

Top Secret



PHOTOGRAPHIC
EXPLOITATION
PRODUCTS

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

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**MONTHLY INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
MARCH 1978**

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APRIL 1978
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PHOTOGRAPHIC EXPLOITATION PRODUCTS

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INTRODUCTION

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

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GUIDE TO USERS

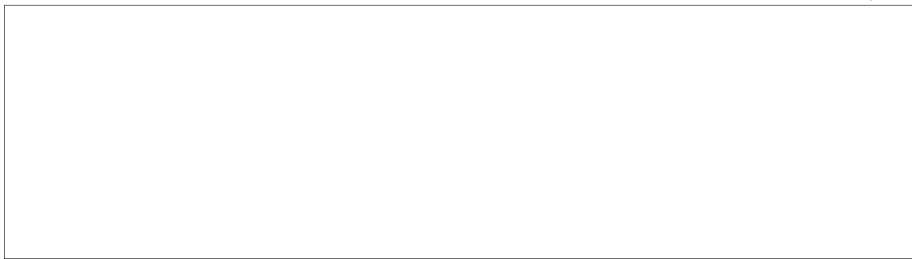
The PEP consists of six indexes:

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

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

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

TYPICAL ACCESSION CITATION



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

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ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

ARA	-All Source Research Aid	IRP	-Imagery Research Paper
BIBLO	-Bibliography	LOT	-Letter of Transmittal
BIIB	-Basic Imagery Interpretation Brief	MCS	-Mission Coverage Statistics
BIIR	-Basic Imagery Interpretation Report	MEMO	-Memorandum
BRAD	-Briefing Aid (Only Microfiche Copies are available)	MIPIR	-Multi-mission Imagery Interpretation Report
BREF	-Photographic Interpretation Brief	MODL	-Model Announcement
[redacted]		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)
DSIIR	-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
IRA	-Imagery Research Aid	REPT	-Photographic Interpretation Report
		SPIR	-Special Photographic Intelligence Report

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ABBREVIATIONS AND NUMERIC CODES (CONTINUED)

REPORT TYPES (Continued)

SR - Summary Report
STDY - Study
SUPR - Supplemental Photographic Intelligence Report
TP - Technical Publication

[redacted]

SECURITY CLASSIFICATION

00 - UNCLASSIFIED
01 - TOP SECRET
02 - TOP SECRET [redacted]
04 - SECRET
05 - SECRET [redacted]
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]
20 - TOP SECRET [redacted]
21 - TOP SECRET [redacted]
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ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

AF - AIR FORCE

NSA - NATIONAL SECURITY AGENCY

ARMY - ARMY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

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SAC - SAC (544th RTS)

CIA - CENTRAL INTELLIGENCE AGENCY

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

DIA - DEFENSE INTELLIGENCE AGENCY

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

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE COMMITTEE

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

[redacted]

STL - SPACE TECHNOLOGY LABORATORY

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JOINT - JOINT (2 or more USIB members participating)

USIB - UNITED STATES INTELLIGENCE BOARD

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

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

10 - GENERAL ACTIVITY

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

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

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

30 - INDUSTRIAL ACTIVITY

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

35 - MILITARY ACTIVITY

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

40 - MISSILE & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

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

60 - OVERLAYS/PLOTS

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

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

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

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART I

Listing of Reports Alphabetically

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SUBJECT	COUN	COORD	ACCN NO.
ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD	UR	534138N 0912342E	S082680
ABREK BUKHTA NAVAL BASE TARGET BARGE ACT	UR	425608N 1322515E	S082794
AD DALI TROOP CONCENTRATION INFANTRY BRIGADE	YS	134600N 0444340E	S082779
ADEN AIRFIELD INTERNATIONAL	YS	124940N 0450150E	S082750
ADEN MILITARY ACTIVITY + TRAINING BR6D	YS	1245 N 04454 E	S082779
ADEN POL PORT LITTLE ADEN	YS	124544N 0445427E	S082750
ADEN PORT FACILITIES + NAVAL BASE	YS	124715N 0450027E	
ADEN PORT FACILITIES + NAVAL BASE	YS	124715N 0450027E	
ADRASMAN RADIO RELAY STATION NE	UR	404307N 0700537E	S082520
AIRCRAFT, AERODYNAMIC VEH U/I ACTIVITY/EQUIP	UR		S082511
AIRCRAFT, AIR ACTIVITY SALT RELATED	UR		S082604
AIRCRAFT, AIR ACTIVITY SALT RELATED	UR		S082921
AIRCRAFT, BADGER C TU-16 WEAPONS RACK MODIF	UR		S082529
AIRCRAFT, BADGER TU-16 O/B + AIR-REFUEL CPBL	UR		S083019
AIRCRAFT, BLINDER TU-22 LRA DEPLOYMENT	UR		S082700
AIRCRAFT, CAMBER A IL-86	UR		S082541
AIRCRAFT, CANDID IL-76 MEASUREMENTS	UR		S082503
AIRCRAFT, CHECH B	UR		S082525
AIRCRAFT, COOT IL-18 MODIFIED	UR		S082805
AIRCRAFT, DEVELOPMENTS	UR		S082370
AIRCRAFT, FLAGON F/G SU-15 DEPLOYMENT	UR		S082628
AIRCRAFT, HELICOPTER TRENDS + DEVELOPMENTS	UR		

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SUBJECT	COUN	COORD	ACCN NO.
AIRCRAFT, MOSS TU-126 MEASUREMENTS	UR		S082503
AIRCRAFT, RAM A	UR		S082528
AIRCRAFT, RAM A ACTIVITY/DEPLOYMENT	UR		S082511

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AL ANAD AIRFIELD	YS	130940N 0444630E	S082750
AL GHAYDAH MILITARY CAMP INFANTRY BRIGADE	YS	161150N 0521120E	S082779
AL KIRSH TROOP CONCENTRATION INFANTRY BRIGADE	YS	132150N 0442925E	
AL QAHIRAH ARMY BKS/HQ BM-21 VAR NORTH KOREAN	EG	300845N 0312715E	S082620
AL QUTAYFAH MILITARY VEH STGE TANK DECREASE	SY	333920N 0363200E	S082793
ALATUPO ARMY BARRACKS AL1	CH	432753N 0835440E	S082582
ALATUPO ARMY BARRACKS 2	CH	431810N 0840150E	S082581
ALMALYK RADIO RELAY FACILITIES SEARCH	UR	4048 N 06957 E	S082520

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ALUSHTA RADIO RELAY STATION	UR	442950N 0342410E	S082594
ALYAT PRISTAN RADIO RELAY STATION	UR	395635N 0492410E	S082624
ANADYR/UGOLNYYE KOPI AIRFIELD BADGER O/B	UR	644406N 1774428E	S083019
ANDREYEVKA RADIO RELAY STATION	UR	530300N 0672835E	S082633
ANISOVO GORODISHCHE AIRFIELD BADGER TU-16 O/B	UR	541327N 0342208E	S083019

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SUBJECT	COUN	COORD	ACCN NO.
ANMIN RADIO RELAY STATION BUNKERED	CH	424927N 1245527E	S082354
ARKHANGELSK/KHOLM AIRFIELD COOT IL-18 MODIF	UR	642252N 0404328E	S082805
ASEB MILITARY EQUIPMENT SOVIET INCREASE	ET	1300 N 04242 E	S082780
ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	130030N 0424530E	S082782
ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	130030N 0424530E	S082782
ASTARA RADIO RELAY STATION	UR	382910N 0485015E	S082624
ATAQ MILITARY CAMP HQ INFANTRY BRIGADE	YS	143237N 0464925E	S082779
BABAYEVO BOMBING RANGE SEARCH	UR	592400N 0364500E	S082689

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BANK RADIO RELAY STATION	UR	392520N 0491300E	S082624
BARANOVICHI AIRFIELD BADGER TU-16 O/B	UR	530542N 0260254E	S083019
BARANOVICHI AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	530542N 0260254E	S082700
BARIM ISLAND MILITARY ACTIVITY	YS	1239 N 04324 E	S082779
BAYHAN AL QISAB MILITARY BARRACKS INF BRIGADE	YS	144712N 0454306E	S082779
BELAYA AIRFIELD BADGER TU-16 O/B	UR	525454N 1033434E	S083019
BELAYA TSEKOV AIRFIELD BADGER TU-16 O/B	UR	494749N 0300135E	S083019

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BISSAU AIRFIELD HIP C MI-8 IDENTIFICATION	PU	115330N 0154030W	S082775
BISSAU MILITARY COMPLEX SOVIET MILITARY EQUIP	PU	1152 N 01538 W	S082775
BISTRITA ARMY BKS MOUNTAIN INF BRGD NEW SRCH	RO	470800N 0243050E	S082502
BOBRUYSK AIRFIELD BADGER TU-16 O/B	UR	530610N 0291230E	S083019
BOLE AIRFIELD COCK/CLASSIC/CUB/CURL/FISHBED	ET	085840N 0384753E	S082463

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SUBJECT	COUN	COORD	ACCN NO.
BOLOGOYE AMMUNITION DPO DAI KUZHENKINO SOUTH	UR	574121N 0335844E	S082626
BOMA MILITARY TRAINING FACILITY INFANTRY TRNG	AO	114820S 0200750E	S082781
BORISOV AVTOKOLONNA 2443	UR	541217N 0283031E	S082673
BORISOV U/I CLEARING/CONSTRUCTION AREA	UR	5415 N 02842 E	S082462
BORISOVSKIY BOMBING RANGE SEARCH	UR	573900N 0340600E	S082694
[REDACTED]			
BRATISLAVA/IVANKA AIRFIELD RUNWAY COMPOSITION	CZ	481013N 0171250E	S083025
[REDACTED]			
CHEKUROVKA BOMBING RANGE SEARCH	UR	7057 N 12725 E	S082695
CHELYABINSK/BAKAL AIRFIELD	UR	551535N 0611758E	S082906
CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV	UR	441213N 1330919E	S082629
CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV	UR	441213N 1330919E	S082629
CHIANGLO RADIO RELAY STATION SE	CH	263700N 1173540E	S082588
CHIAYUKUAN ARMY BARRACKS AL1	CH	395008N 0980541E	S082565
[REDACTED]			
CHIMKURGAN RADIO RELAY FACILITIES SEARCH	UR	4020 N 06742 E	S082520
CHINFOSSU ARMY BARRACKS 1	CH	392802N 0984323E	S082568
CHINGMEN HYPERVELOCITY TEST RANGE PROB NEW	CH	310954N 1121100E	S082619
CHINGYU MTC TRACKING FACILITY WNW	CH	422552N 1263521E	S082523
CHINHUACHEN RADIO RELAY STATION	CH	305950N 1050935E	S082599
CHIRCHIK AIRFIELD TALL KING AW RADAR FACILITY	UR	412820N 0693210E	S082451

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SUBJECT	COUN	COORD	ACCN No.
CHIUCHUAN ARMOR INSTALLATION SW	CH	393853N 0982036E	S082566
CHIUCHUAN ARMY BARRACKS SOUTH 1	CH	394340N 0983040E	S082563
CHIUCHUAN IRON PLANT	CH	394900N 0981440E	S082446
CHIUCHUAN IRON + STEEL PLANT	CH	394855N 0981723E	S082446
CHIUCHUAN MILITARY AREA 1	CH	3944 N 09831 E	S082562
CHIUCHUAN MILITARY INSTALLATION	CH	394550N 0983110E	S082567
CHIUCHUAN MILITARY INSTALLATION	CH	394600N 0983630E	S082564
CHUNGWEI IRON PLANT	CH	373000N 1050545E	S082445

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DLOUHA LHOTA AIRFIELD RUNWAY COMPOSITION	CZ	494316N 0140606E	S083030
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DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	425400N 1322110E	S082794
DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	425400N 1322110E	S082794
DURBAN PORT FACILITIES RESHEF CLASS PGG IDEMT	SF	295230S 0310230E	S082464
DUVANNYY RADIO RELAY STATION SOUTH	UR	400020N 0492320E	S082624
DZHALILABAD TV RELAY STATION	UR	3913 N 04830 E	S082624

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SUBJECT	COUN	COORD	ACCN NO.
DZHETYGARA TV + RADIO RELAY STATION	UR	521035N 061104E	S082622
DZHETYGARA TV + RADIO RELAY STATION	UR	521035N 061104E	
EL BUITRE MILITARY BARRACKS EQUIP BRAZILIAN	CI	183022S 0701722W	S082605
ELECTRONICS, ABM/ASAT LONG RANGE RADARS	UR		S082373
[REDACTED]			
ELECTRONICS, DEVELOPMENTS	UR		S082370
ELECTRONICS, EGG HEAD RADOME	UR		S082790
ELECTRONICS, EW RADAR STORAGE RESERVE	UR		S082451
ELECTRONICS, FLAT FACE EW/ACQUISITION RADAR	UR		S082363
ELECTRONICS, LAND ROLL ANTENNAS SA-8 RELATED	UR		S082534
ELECTRONICS, MOLNIYA-1 ANT 12-ELEMENT HELICAL	UR		S082359
ELECTRONICS, R-102M/R-140 RADIO STATIONS COMP	UR		S082465
ELECTRONICS, R-140/R-102M RADIO STATIONS COMP	UR		
ELECTRONICS, SONAR ARRAY Y CLASS SSBM MOUNTED	UR		S082789
ELECTRONICS, SS-11 CPLXS ANTS HARD POSS U/C	UR		S082916
ELECTRONICS, SUBMARINE DETECTION SYS PETYA CL	UR		S082786
ELECTRONICS, TEAM WORK RADAR SYSTEM	CH		S082459
ELECTRONICS, TYPE 3X LCF SIGNATURES	UR		S082515
ELECTRONICS, 4-DISH CLUSTER ESV/COMSAT ANT	UR		S082703
EMBA MTC	UR	483800N 0580300E	S082449

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SUBJECT	COUN	COORD	ACCN NO.
ENGELS BOMBING RANGE SEARCH	UR	5130 N 04615 E	S082696
EZEIZA ATOMIC RESEARCH CTR FUEL REPROCESSING	AR	345007S 0583526W	S082606
FAID AIRFIELD CONSTRUCTION	EG	302005N 0321624E	S082608
[REDACTED]			
FEODOSIYA NAVAL MISSILE SUPT FAC SA-X-10 PROB	UR	450808N 0353337E	S082552
FEODOSIYA NAVAL MSL SUPT NAV SAM CMPNTS POSS	UR	450808N 0353337E	S082602
FEODOSIYA SHIPYARD YUZNAYA TOCHKA EXPANSION	UR	450712N 0352954E	S082452
[REDACTED]			
FOUKANG INSTRUMENTATION SITE MOBILE IDENT	CH	441000N 0875940E	S082920
GALENKI ESV TRACKING/MOLNIYA FACIL 4-DISH ANT	UR	440130N 1314545E	S082703
[REDACTED]			
GENERAL, CIVIL DEF KIYEVSKAYA OBLAST UPDATE	UR		S082444
GENERAL, SEISMIC SIGNALS EARTHQUAKE POSS	UR		S082787
GEORGIYEVKA ARMY BKS AL1 SIGNAL UNIT IDENT	UR	491925N 0813210E	S082498
GLIWICE PORT COMPLEX	PL	501930N 0183810E	S082826
GNOYNO ASM SUPPORT FACILITY RAM A ACTIVITY	UR	505525N 0242640E	S082511
GOLOVINO LASER TEST RANGE RANGEHEAD BLDG U/C	UR	555404N 0401901E	S082785
GOMEL/PRIBYTKI AIRFIELD BADGER TU-16 O/B	UR	521824N 0310947E	S083019
GOMEL/PRIBYTKI AIRFIELD BLINDER TU-22 DPL	UR	521824N 0310947E	S082700
GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	561824N 0435945E	S082824

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SUBJECT	COUN	COORD	ACCN NO.
GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	561824N 0435945E	
GRESK MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	531425N 0274225E	S082556
[REDACTED]			
HANGAL MILITARY INSTL NORTH PROB NZHM-56 SRCH	MG	492938N 1041624E	S082630
HANGWANGCHANG STEAM TURBINE PLANT	CH	312630N 1040935E	S082792
HOCHIH RADIO RELAY STATION	CH	244359N 1080529E	S082585
[REDACTED]			
HOHSIPU IRON PLANT	CH	382230N 1020505E	S082446
HRADEC KRALOVE AIRFIELD RUNWAY COMPOSITION	CZ	501508N 0155050E	S083023
HSINING IRON PLANT	CH	364415N 1014557E	S082447
HSINING STEEL PLANT	CH	364012N 1014008E	
HSINYUAN ARMY BARRACKS AL1 + HEADQUARTERS DIV	CH	433235N 0831800E	S082577
HSINYUAN ARMY BARRACKS 2	CH	433215N 0831555E	S082578
HSINYUAN MILITARY AREA AL1	CH	4332 N 08318 E	S082576
HSITSANGTZUCHIHCHU BALLISTIC MSL SITE SEARCH	CH	3500 N 08500 E	S082508
HUANGCHUNG IRON PLANT	CH	363305N 1013215E	S082447
HUANGCHUNG RADIO RELAY STATION SE	CH	362500N 1013830E	S082591
HUANGCHUNG STEEL PRODUCTS PLANT	CH	363242N 1013212E	S082447
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	S082368
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	
HUNGKUNTZU IRON PLANT	CH	390958N 1063925E	S082445

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SUBJECT	COUN	COORD	ACCN NO.
HUNGSUPAO RADIO RELAY STATION	CH	371842N 1061651E	5082592
ILI ARMY BARRACKS AL1 DIVERSION BRIGADE PROB	UR	435232N 0770215E	5082846
ILI ARMY BARRACKS AL1 SIGNAL UNIT IDENT	UR	435232N 0770215E	5082498
INDUSTRY, AMMONIA/UREA FTLZR PLT DUPLICATION	CH		5082619
INDUSTRY, ELECTRICAL EQUIP PLTS SSUCHUANSHENG	CH		5082792
INDUSTRY, IRON + STEEL PLANTS NINGHSIAHUITSU	CH		5082445
INDUSTRY, SEMICONDUCTOR PLANTS SIGNATURES	UR		5082619

25X1

JONAVA DIVERSION BRIGADE SEARCH	UR	5504 N 02421 E	5082846
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25X1

KABRIT AIRFIELD CONSTRUCTION	EG	301453N 0322932E	5082608
KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	375721N 1263315E	5082023
KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	375721N 1263315E	
KALININGRAD SHIPYARD STATE PETYA CL FFL MODIF	UR	544131N 0202612E	5082786
KARAGANDA AIRFIELD SW	UR	494021N 0725909E	5082902
KARLOVY VARY AIRFIELD RUNWAY COMPOSITION	CZ	501211N 0125457E	5083029

9
TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	555119N 0490231E	S082505
KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	555119N 0490231E	S082539
KAZAN AIRFRAME PLANT B387 FLOORSPACE	UR	555119N 0490231E	S082688
KERKI AIRFIELD POL STORAGE CAPACITY	UR	374905N 0651235E	S082903
KHABAROVSK AIRFIELD BADGER TU-16 O/B	UR	482745N 1350907E	S083019
KHABAROVSK ARTILLERY ENGINEER DEPOT D02	UR	482131N 1350219E	S082451
KHALMER YU BOMBING RANGE SEARCH	UR	6823 N 06530 E	S082698
KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	495802N 0361706E	S082776
KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	495802N 0361706E	
KHAWR AL Umayrah Troop Concentration ing BRGD	YS	124100N 0440740E	S082779
KHERSON BOMBING RANGE SEARCH	UR	4637 N 03305 E	S082697
KHOLKARAKASHLY RADIO RELAY STATION	UR	391540N 0485540E	S082624

25X1

KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	583834N 0493709E	S082554
KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	583834N 0493709E	
KIYEVSKAYA OBLAST CIVIL DEFENSE MEASURES	UR	5015 N 03030 E	S082444
KLECANY/VODOCHODY AIRFIELD RUNWAY COMPOSITION	CZ	501305N 0142344E	S083021
KLYUCHI COMSAT STATION	UR	561823N 1605200E	S082623
KOHTLA JARVE TV RELAY + FM BROADCASTING STA	UR	5924 N 02716 E	S082625
KOKCHETAV AM BROADCASTING STATION	UR	531720N 0692150E	S082633
KOLPASHEVO ESV TRACKING FACILITY 4-DISH ANT	UR	582011N 0825257E	S082703
KORKINO AIRFIELD	UR	545705N 0613030E	S082901
KOSICE/BARCA AIRFIELD RUNWAY COMPOSITION	CZ	484009N 0211435E	S083018

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25X1

10
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ZSAI

SUBJECT	COUN	COORD	ACCN NO.
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KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	S082554
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	
KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	
KRASNOARMEYSK FRAGMENTATION/MUN STATIC TESTS	UR	561200N 0381700E	S082532
KRASNOARMEYSK FRAGMENTATION/MUN TEST AREA	UR	561200N 0381700E	S082518

25X1

KRASNOYARSK ARMY BARRACKS AL2	UR	560252N 0925551E	S082451
KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	570535N 0450840E	S082824
KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	570535N 0450840E	
KREMENETS ARMY BARRACKS AL1 SS-1 BRIGADE SRCH	UR	500900N 0254536E	S082627
KUANGCHOU ELECTRONICS ASSOC BLDG 3 PROB IDENT	CH	230755N 1131810E	S082596
KUANGCHOU RADIO RELAY STATION NORTH POSS	CH	231030N 1131735E	S082595
KUANGCHOU RADIO RELAY STATION SOUTH	CH	230853N 1131521E	S082357
KUANGCHOU RADIO RELAY TML EAST 2 PROB IDENT	CH	230735N 1131800E	S082596
KUANGCHOU TELEGRAPH BLDG EAST 1 PROB IDENT	CH	230728N 1131708E	
KUANGCHOU/NANNING MICROWAVE RADIO RELAY SYS	CH	2307 N 11315 E	S082500
KUERHTU ARMY BARRACKS AL1	CH	442936N 0834600E	S082572
KUNOVICE AIRFIELD RUNWAY COMPOSITION	CZ	490149N 0172628E	S083028
KUSTANAY RADIO RELAY + TV RELAY STATION	UR	531337N 0634000E	S082622
KUSTANAY RADIO RELAY + TV RELAY STATION	UR	531337N 0634000E	
KUYBYSHEV AEROSPACE PRODUCTION PLANT 1	UR	531315N 0501804E	S082915
KUYBYSHEV AIRCRAFT ENG PLT FRUNZE FLOORSPACE	UR	531203N 0501642E	S082686
KUYBYSHEV AIRFRAME PLANT LENIN 18 CONST NEW	UR	531300N 0501814E	S082637

25X1

11

TOP SECRET CHESS RUFF

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25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
KYZYL ARMY BARRACKS AL2	UR	514125N 0942500E	S082891
KYZYLAGACH RADIO RELAY STATION	UR	390203N 0484740E	S082624
LAIYUAN RADIO RELAY STATION SOUTH BUNKERED	CH	391240N 1144210E	S082597
LANCHOU IRON PLANT	CH	360150N 1035105E	S082446
[REDACTED]			
LENINGRAD AVTOKOLONNA 1104	UR	595919N 0301650E	S082674
LENINGRAD AVTOKOLONNA 1106	UR	595430N 0302151E	S082675
LENINGRAD MACHINE + MISSILE PLT BOLSHIEVIK 232	UR	595129N 0303919E	S082554
LENINGRAD MACHINE + MISSILE PLT BOLSHIEVIK 232	UR	595129N 0303919E	S082554
LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	5954 N 03023 E	S082823
LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	5954 N 03023 E	S082823
LENINGRAD SHIPYARD ZHDANOV 190 4-DISH ANT	UR	595233N 0301406E	S082703
LENKORAN TV RELAY STATION	UR	384525N 0485000E	S082624
LIANGWANGSHAN RADIO RELAY STATION	CH	244530N 1025350E	S082598
LICHIAITUNGCHUANG ARMY BARRACKS AL1	CH	390600N 1002100E	S082616
[REDACTED]			
LIMA EW RADARS SOVIET IDENTIFICATION	PE	1209 S 07701 W	S082605
LINFUTSUI RADIO RELAY STATION	CH	251045N 1081045E	S082355
LINGSHIH RADIO RELAY STATION BUNKERED	CH	364600N 1115255E	S082586
LINTSE ARMY BARRACKS AL2 + HQ INFANTRY DIV	CH	390901N 1001100E	S082615
LINTSE ARMY BARRACKS WEST AL3	CH	391010N 1000210E	S082617

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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25X1

SUBJECT	COUN	COORD	ACCN NO.
LINTSE MILITARY AREA 1	CH	3909 N 10010 E	S082614
[REDACTED]			
LONING ICBM SITE 1 SILO U/C	CH	342136N 1115037E	S082509
LONING ICBM SITE 2 SILO U/C	CH	341713N 1113738E	
[REDACTED]			
LUKHOVITSY AIRFRAME PLANT FLOORSPACE	UR	545455N 0390220E	S082692
LUSO MILITARY INSTALLATION SOV/CUBAN ACT POSS	AO	114510S 0195100E	S082603
[REDACTED]			
MAGDAGACHI AIRFIELD HELICOPTER REGIMENTS	UR	532820N 1254741E	S082631
MARCIENA MISSILE SUPPORT FACILITY RAM A ACT	UR	564650N 0260500E	S082511
[REDACTED]			
MEIYAO ARMY BARRACKS NNW	CH	435950N 0851950E	S082575
MEIYAO ARMY BARRACKS WEST PAYINKOU AL2	CH	440040N 0845705E	S082573
[REDACTED]			
MILITARY, AIR DEFENSE ACTIVITY PAOTOU/KUYANG	CH		S082454
MILITARY, BM-21 DEPLOYMENT SINO-SOVIET BORDER	UR		S082621

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TOP SECRET CHESS RUFF

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25X1

SUBJECT	COUN	COORD	ACCN NO.
MILITARY, BRIDGING EQUIPMENT STORAGE RESERVES	PL		S082619
MILITARY, CONCEALMENT + DECEPTION ANALYSIS	UR		S082377
MILITARY, DEFENSES/LOGISTICS	AO		S082603
MILITARY, DEVELOPMENTS	UR		S082370
MILITARY, EQUIPMENT DELIVERIES MINIMAL	SO		S082918
MILITARY, GROUND FORCES O/B	YS		S082779
MILITARY, MULTIPLE ROCKET LNCHR SOV BM-21 VAR	KN		S082620
MILITARY, SELF-PROPELLED GUN HEAVY NEW	UR		S082458
MILITARY, TANK REPLACEMENTS NEW	SY		S082793
MILITARY, T-64/T-72 TANKS SIGNATURES/PROD	UR		S082776
MILITARY, 39TH ARMY SHENYANG MILITARY REGION	CH		S082610
MILOVICE AIRFIELD RUNWAY COMPOSITION	CZ	501410N 0145520E	S083026
MIMON AIRFIELD RUNWAY COMPOSITION	CZ	503713N 0144359E	S083027
MINSK AVTOKOLONNA 2411	UR	535432N 0273105E	S082678
MINSK AVTOKOLONNA 2413	UR	535315N 0273540E	S082676
MINSK CIVIL DEFENSE	UR	535349N 0273353E	S082366
MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	535020N 0273225E	S082365
MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	535020N 0273225E	
MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	535344N 0273618E	S082367
MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	535344N 0273618E	
MINSK/MACHULISHCHE AIRFIELD BLINDER TU-22 DPL	UR	534626N 0273442E	S082700
MIPIR 118/122			S081953
MIPIR 143/146			S082195

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25X1

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25X1

SUBJECT	COUN	COORD	ACCN NO.
MIPIR 151/155			S082328
MIPIR 156/160			S082392
[Redacted]			
MISSILES, AA-8	UR		S082358
MISSILES, ACTIVITY SUMMARY SALT RELATED	UR		S082593
MISSILES, AS-2	UR		S082535
MISSILES, AS-3 ENGINE MENSURATION	UR		S082524
MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS	UR		S082375
MISSILES, DEVELOPMENTS	UR		S082370
MISSILES, ICBM TEST LOAD SIMULATOR NEW	UR		S082619
MISSILES, ICBM TYPE 3H SILO VULNERABILITY	UR		S082376
MISSILES, NAVAL GUIDED MISSILE TEST RANGES	UR		S082378
MISSILES, R+D/PRODUCTION FACILITIES	UR		S082554

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25X1

MISSILES, SAM MOBILIZATION ANALYSIS	UR		S082371
MISSILES, SA-X-10 NAVAL VERSION PROB	UR		S082552
MISSILES, SLBM NEW DIMENSIONS ESTIMATED	UR		S082460
MISSILES, SS-X-20 SYSTEM	UR		S082361
MISSILES, SS-16 RELATED BUILDINGS	UR		S082544

TOP SECRET CHESS RUFF

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[Redacted]

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TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, SS-16 RELATED CONSTRUCTION	UR		S082545
MISSILES, SS-19 SYSTEM	UR		S082374
MISSILES, 2-BAY GARAGE PEAK-ROOFED NEW U/C	UR		S082556
MOSKVA AIRCRAFT ENGINE PLANT 45 FLOORSPACE	UR	554625N 0374303E	S082684
MOSKVA AIRFRAME PLANT 30 CONSTRUCTION NEW	UR	554703N 0373249E	S082699
MOSKVA GUIDED MISSILE PRODUCTION PLANT 41	UR	554939N 0373023E	S082554
MOSKVA GUIDED MISSILE R+D/PROD PLT KHMKI 293	UR	555444N 0372703E	
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNY	UR	555544N 0373027E	
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNY	UR	555544N 0373027E	
MOSKVA OPTICAL-PHYSICAL MSRMTS RESEARCH INST	UR	5545 N 03737 E	S082601
MOSKVA/SHCHELKOVO ESV TRACKING FAC 4-DISH ANT	UR	555644N 0375803E	S082703
MUCHIAYEN RADIO RELAY STATION EAST BUNKERED	CH	340749N 1093431E	S082583
MUKACHEVO ARMY BARRACKS	UR	482500N 0224132E	S082451
MUKAYRIS MILITARY BARRACKS INFANTRY BRIGADE	YS	135532N 0454000E	S082779
MYS PINAGORIY/MURMANSK NAVAL FACS APPROACHES	UR	6904 N 03303 E	S082612
NADVORNAYA MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	483741N 0244205E	S082556
NAMEST NAD OSLAVOU AIRFIELD RWY COMPOSITION	CZ	490958N 0160728E	S083014
NANNING/KUANGCHOU MICROWAVE RADIO RELAY SYS	CH	2248 N 10818 E	S082500
NAVAL, DEVELOPMENTS	UR		S082370

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16
TOP SECRET CHESS RUFF

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25X1

SUBJECT	COUN	COORD	ACCN NO.
NEZHIN AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	510519N 0315207E	S082700
NIKOLAYEVKA RADIO COMMO RCVR/RADIO RELAY STA	UR	445930N 0333740E	S082594
NILOKO ARMY BARRACKS AL1	CH	434835N 0822845E	S082579
NINGCHIU RADIO RELAY STATION	CH	374010N 1150300E	S082589
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	575548N 0600526E	S082776
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	575548N 0600526E	

25X1

NOVOKRONSHTADSKOYE RADIO RELAY STATION	UR	522718N 0681117E	S082633
NOVOSIBIRSK BIVOUAC AREA POSS SEARCH	UR	550348N 0832130E	S082632
NOVOSIBIRSK MILITARY TRAINING AREA 1 FAC EXT	UR	544620N 0823145E	S082890
NOVOSYSOYEVKA IRBM SITE 2 SP GUN HVY NEW DPL	UR	440725N 1332810E	S082458

25X1

NURATA TROPOSCATTER STATION	UR	402332N 0655912E	S082520
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25X1

ORDZHONIKIDZE RADIO RELAY STATION	UR	522730N 0614501E	S082622
ORSHA AIRFIELD SW BADGER TU-16 O/B	UR	542622N 0301747E	S083019

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
OSTROV SSM TRAINING PSTN 2 SS-11 EQUIP IDENT	UR	572324N 0280958E	S082919
OSTROW MAZOWIECKA MILITARY INSTALLATION	PL	5249 N 02151 E	S082600
PAOTOU AIR DEFENSE ACTIVITY	CH	4035 N 11001 E	S082454
PAOTOU ARMORED VEHICLE PLANT 617	CH	404006N 1095423E	S082783
PARDUBICE AIRFIELD RUNWAY COMPOSITION	CZ	500053N 0154420E	S083015
PECHORY ARMY BARRACKS AL1 DIVERSION BRGD PROB	UR	574932N 0273626E	S082846
[REDACTED]			
PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	3955 N 11624 E	S082619
PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	3955 N 11624 E	
PENGTULINGSUN ARMY BARRACKS AL1 + HQ INF DIV	CH	441004N 0844805E	S082570
PENGTULINGSUN MILITARY AREA	CH	4410 N 08448 E	S082569
PENGTULINGSUN MILITARY BARRACKS AL2	CH	440905N 0844803E	S082571
[REDACTED]			
PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 1	UR	575848N 0561508E	S082526
PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 2	UR	575848N 0561508E	S082527
PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	575848N 0561508E	S082540
PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	575848N 0561508E	S082519
PERM AIRCRAFT ENGINE PLT STALIN 19 FLOORSPACE	UR	575848N 0561508E	S082693
PETROPVLOVSK SUBMARINE BASE C CLASS SSGN	UR	525455N 1582952E	S082368
PETROZAVODSK AMMUNITION DEPOT PADOZERO DA1	UR	615247N 0335756E	S082825
PETROZAVODSK AVTOKOLONNA 1123	UR	614820N 0341710E	S082636
PETROZAVODSK AVTOKOLONNA 1124	UR	616445N 0342500E	S082677

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25X1

18
TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
PETROZAVODSK AVTOKOLONNA 1126	UR	614822N 0341743E	S082770
PETROZAVODSK ORDNANCE STORAGE DEPOT D01	UR	615000N 0341500E	S082771
PETROZAVODSK QUARTERMASTER DEPOT PEREVALKA	UR	614800N 0341817E	S082679
PHOTO, MOBILE PROCESSING UNITS	UR		S082370
PHOTO, RECONNAISSANCE SATELLITE LAUNCH PREP	CH		S082619
PINGENGPU RADIO RELAY STATION	CH	374130N 1060555E	S082590
PINGPA AIRCRAFT MANUFACTURING PLANT SEARCH	CH	262620N 1061715E	S082522
PLESETSK MTC ESV TRACKING FACILITY	UR	625357N 0403329E	S082542
PLESETSK MTC ESV TRACKING FACILITY	UR	625357N 0403329E	S082512
PLESETSK MTC ICBM SITE 6 SS-16 RELATED CONST	UR	630057N 0405231E	S082545
PLESETSK MTC MOBILE ICBM FAC 1 SS-16 RLTD ACT	UR	625858N 0404624E	
PLESETSK MTC MOBILE ICBM FAC 2 SS-16 RLTD ACT	UR	625117N 0403429E	
PLESETSK MTC MOBILE ICBM FICIL 2 ELECTRONICS	UR	625117N 0403429E	S082517
PLESETSK MTC SPACE SITE 27 ELECTRONICS	UR	625423N 0404715E	
PLESETSK MTC SS-16 RELATED CONSTRUCTION	UR	625746N 0402346E	S082544
POGRANICHNYY ESV TRACKING/MOLNIYA 4-DISH ANT	UR	530546N 1582039E	S082703
POHAIWAN OFFSHORE OIL PROD/EXPLORATION EXPSN	CH	3859 N 11606 E	S082619
POLTAVA AIRFIELD BADGER TU-16 O/B	UR	493740N 0342923E	S083019
POPRAD/TATRY AIRFIELD RUNWAY COMPOSITION	CZ	490428N 0201426E	S083022
PRAHA/RUZNYE AIRFIELD RUNWAY COMPOSITION	CZ	500604N 0141600E	S083024

25X1

PRILUKI AIRFIELD BADGER TU-16 O/B	UR	503434N 0321901E	S083019
PRIMORSK DIVEKSION BRIGADE SEARCH	UR	5444 N 02001 E	S082846

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TOP SECRET CHESS RUFF

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SUBJECT	COUN	COORD	ACCN NO.
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PYADZH/AMU DARYA AIRFIELD	UR	371540N 0690520E	S083017
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25X1

ROMANTSEVO RADIO COMMUNICATONS RCVR SITE B	UR	551704N 0373350E	S082521
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ROSS AAM SUPPORT FACILITY	UR	531756N 0242301E	S082448
ROSS AIRFIELD	UR	531810N 0242206E	
ROSS AIRFIELD AW RADAR FACILITY	UR	531919N 0242200E	
ROSS AIRFIELD GCA SITE	UR	531816N 0242206E	

ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	690145N 0330356E	S082613
ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	690145N 0330356E	

ROSTOV AIRFRAME PLANT 168 CONSTRUCTION NEW	UR	471516N 0394318E	S082690
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ROSTOV NA DONU AVTOKOLONNA 1500	UR	471605N 0394112E	S082681
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RUDNYI RADIO RELAY STATION	UR	525830N 0630530E	S082622
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RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	525020N 0665540E	S082633
RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	525020N 0665540E	

RYAZAN/DYAGILEVO AIRFIELD BADGER TU-16 O/B	UR	543830N 0393412E	S083019
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RYBINSK AIRCRAFT ENGINE PLANT 36 FLOORSPACE	UR	580307N 0384833E	S082683
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SALYANY RADIO RELAY + RADIO COMMO STATION	UR	393720N 0490200E	S082624
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25X1

SARATOV AIRFRAME PLANT 292	UR	512948N 0455703E	S082554
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SARY SHAGAN MTC COMPLEX D EGG HEAD RADAR	UR	454840N 0733404E	S082790
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25X1

SARY SHAGAN MTC COMPLEX F ELCT FAC SH-4 LNCHR	UR	462629N 0725108E	S082791
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SARY SHAGAN MTC ESV TRACKING/MOLNIYA 4-DISH	UR	455338N 0733727E	S082703
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25X1

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

SUBJECT

COUN

COORD

ACCN NO.

SEMENOV RADIO RELAY STATION

UR

564815N 0443130E

S082824

SEMIPALATINSK NWP6 HE EFFECTS TEST PREP
SEMIPALATINSK NWP6 MAIN SUPT CPLX HE TEST

UR

501500N 0781500E

S082555

SEVASTOPOL RADIO RELAY + TV CENTER
SEVASTOPOL RADIO RELAY + TV CENTER
SEVASTOPOL RADIO RELAY + TV STATION SE
SEVASTOPOL RADIO RELAY + TV STATION SE

UR

443545N 0333130E

S082594

UR

443545N 0333130E

UR

443437N 0333407E

UR

443437N 0333407E

SEVERODVINSK COMSAT STA 4-DISH ANT CLUSTER

UR

643320N 0394600E

S082703

SEVERODVINSK NAVAL BASE WEST SMOKE SCREEN

UR

643420N 0394551E

S082377

SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN

UR

643514N 0394907E

S082789

SHACHINGTZU ARMY BARRACKS AL1

CH

390600N 1001610E

S082618

SHAKHUNYA RADIO RELAY + TV BROADCASTING STA
SHAKHUNYA RADIO RELAY + TV BROADCASTING STA

UR

573940N 0463920E

S082824

UR

573940N 0463920E

SHALKAR RADIO RELAY STATION

UR

531315N 0684610E

S082633

SHANTAN IRON PLANT

CH

384600N 1010645E

S082446

SHIHTSUISHAN IRON + STEEL PLANT

CH

391845N 1064715E

S082445

SHIHWULIPU RADIO RELAY STATION NW BUNKERED

CH

351457N 1090634E

S082356

SHIPS, INSTRUMENTATION SHIPS POSS U/C
SHIPS, NANUCHKA CLASS PGG PACIFIC FLEET DPL

CH

S082368

UR

SHIPS, NAVAL ACTIVITY SALT RELATED

UR

S082788

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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SUBJECT	COUN	COORD	ACCN NO.
SHIPS, NAVAL ACTIVITY SUMMARY SALT RELATED	UR		S082607
SHIPS, PETYA-1/2/3 CL FFL SUB DETECTION SYS	UR		S082786
SHIPS, TARGET BARGE ACTIVITY VLADIVOSTOK	UR		S082794
SHIPS, Y CLASS SSBN SONAR ARRAY UNIQUE	UR		S082789
SHUANGCHENGZU MTC PAD B2 RECON SAT LNCH PREP	CH	411828N 1001854E	S082619
SIBAY AIRFIELD	UR	524115N 0584230E	S082905
SIMFEROPOL TV CENTER	UR	445636N 0340638E	S082594
SLOVECHNO RAILWAY CONSTRUCTION	UR	5138 N 02904 E	S082466
SOKAL MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	502249N 0241817E	S082556
SOLTSY AIRFIELD BADGER TU-16 O/B	UR	580822N 0301914E	S083019
SOMERSET WEST EXPLOSIVES + AMMUNITION LDG PLT	SF	340500S 0184820E	S082499
SPACE, ANTI-SATELLITE OPERATION	UR		S082368
SPASSK DALNIY AIRFIELD EAST BADGER TU-16 O/B	UR	443647N 1325302E	S083019
STEPNOY TV + RADIO RELAY STATION	UR	523220N 0622930E	S082622
STEPNOY TV + RADIO RELAY STATION	UR	523220N 0622930E	
STRYY AIRFIELD BADGER TU-16 O/B	UR	491443N 0234726E	S083019
SUEZ CANAL MILITARY TRAINING EXER INCREASE	EG	3032 N 03221 E	S082609
SUEZ CANAL MILITARY TRAINING EXERCISES	EG	3032 N 03221 E	S082608
SUNGLIN MTC NEW U/C	CH	281420N 1020149E	S082914
SUQUTRA ISLAND MILITARY ACTIVITY	YS	1238 N 05354 E	S082779
SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8	UR	565213N 0603707E	S082554
TAGANROG AIRFRAME PLT 86 CANDID/MOSS MSRMTS	UR	471150N 0385220E	S082503

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TOP SECRET CHESS RUFF

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SUBJECT	COUN	COORD	ACCN NO.
TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	375920N 1123211E	S082368
TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	375920N 1123211E	
TARTU AIRFIELD BADGER TU-16 O/B	UR	582417N 0264624E	S083019
TASHKENT AIRFRAME PLT B CHKALOV 84 CONST NEW	UR	411802N 0691904E	S082691
TAYBOLA AIRFIELD NW	UR	683030N 0331720E	S082908
TEMTA RADIO RELAY STATION	UR	572910N 0455405E	S082824
TEYANG ELECTRICAL EQUIPMENT PLANT	CH	310705N 1042239E	S082792
TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	310830N 1042315E	
TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	310830N 1042315E	
TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	211804N 1102429E	S082457
TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	211804N 1102429E	
TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	211804N 1102429E	S082778
TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	211804N 1102429E	
TIENTSUNGTAWAN SSM TRACKING FACILITY	CH	404604N 0995421E	S082920
TIKSI BOMBING RANGE SEARCH	UR	7157 N 12705 E	S082701
TIMIRYAZEVO TV BROADCASTING STATION PROB	UR	534440N 0662927E	S082633
TOBOL RADIO RELAY STATION	UR	524105N 0623535E	S082622

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TORVA MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	575600N 0260427E	S082556
TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO		S082603
TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO		

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TZUKUNG LIGHT FABRICATION PLANT	CH	292150N 1044520E	S082792
UFA AIRCRAFT ENGINE PLANT A26 FLOORSPACE	UR	544735N 0560740E	S082685

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TOP SECRET CHESS RUFF

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SUBJECT	COUN	COORD	ACCN NO.
ULAN UDE AIRFIELD EAST	UR	515054N 1074336E	S082553
ULAN UDE AIRFRAME PLANT 99	UR	515123N 1074344E	
ULAN UDE ESV TRACKING FAC 4-DISH ANT CLUSTER	UR	515223N 1075650E	S082703
URALSK AIRFIELD NON-OPERATIONAL	UR	511503N 0512547E	S082774
USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	434932N 1315650E	S082455
USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	434932N 1315650E	
USSURIYSK/VOZDVIZHENKA AIRFIELD BADGER O/B	UR	435425N 1315547E	S083019
VOLDARSKOYE RADIO RELAY STATION	UR	531625N 0680723E	S082633
VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	484222N 0352259E	S082829
VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	484222N 0352259E	
VOLNOYE ARMY BARRACKS SAMARA RIVER T-64 TANKS	UR	484419N 0351919E	S082828
VORONEZH AIRFRAME PLANT 64 CONSTRUCTION NEW	UR	513819N 0391517E	S082638
WEICHENG CSS-1 IMPACT AREA SEARCH	CH	2732 N 10141 E	S082516

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WUCHAI MTC SLBM ACTIVITY	CH	384950N 1113620E	S082368
YALTA RADIO RELAY STATION NE	UR	443112N 0341455E	S082594
YALTA RADIO RELAY STATION WEST	UR	442920N 0340140E	
YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	442700N 0340300E	
YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	442700N 0340300E	
YALUNG NAVAL BASE	CH	181311N 1094146E	S082429
YALUNG NAVAL FACILITY NORTH PUG	CH	181530N 1094320E	S082430
YELABUGA AIRFIELD NORTH	UR	554749N 0520755E	S083016
YENAN RADIO RELAY STATION	CH	363520N 1092730E	S082587

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SUBJECT	COUN	COORD	ACCN NO.
YENAN TV TRANSMITTER STATION	CH	363600N 1092950E	S082584
YENISEYSK ESV TRACKING/MOLNIYA FAC 4-DISH ANT	UR	582643N 0921604E	S082703
YEVPA TORIYA DEEP SPACE TRKG FAC 4-DISH ANT	UR	451325N 0330955E	
YUEHYATAI ARMY BARRACKS SW AL1	CH	435745N 0853255E	S082574
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	474928N 0351147E	S082514
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	474928N 0351147E	S082538
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELLS	UR	474928N 0351147E	S082533
ZATEC AIRFIELD RUNWAY COMPOSITION	CZ	502219N 0133523E	S083020
ZAVITINSK AIRFIELD NE BADGER TU-16 O/B	UR	501132N 1293006E	S083019

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ZEKTA ARMY BARRACKS	CH	433315N 0830625E	S082580
ZHITOMIR/SKOMOROKHI AIRFIELD BLINDER TU-22	UR	500933N 0284419E	S082700

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TOP SECRET CHESS RUFF

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PART II
Listing of Reports by Originator

TOP SECRET CHESS RUFF

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	BIIR	RFB22-5001-78	SEP 77		07	S082358
AF	BIIR	RFB22-5002-78	OCT 77		07	S082359
AF	ENDR	B4519-77	31 OCT 77		13	S082528
AF	ENDR	C3013-77	07 NOV 77		05	S082529
AF	ENDR	C4516-77	09 OCT 77		13	S082530
AF	ENDR	C4518-77	NOV 77		13	S082531
AF	ENDR	C4520-77	08 NOV 77		13	S082532
AF	ENDR	D1015-77	11 NOV 77		07	S082534
AF	ENDR	D1018-77	02 DEC 77		05	S082535
AF	ENDR	D4515-77	11 OCT 77		13	S082536
AF	ENDR	D6529-77	03 OCT 77		13	S082537
AF	ENDR	D6532-77	21 OCT 77		13	S082539
AF	ENDR	E1017-77	15 NOV 77		00	S082541
AF	ENDR	E6518-77	24 MAY 77		13	S082544
AF	ENDR	A1524-1-76	04 NOV 77		13	S082525
AF	ENDR	B4507-2-70	11 NOV 77		13	S082526
AF	ENDR	B4508-2-70	18 JUN 76		13	S082527
AF	ENDR	C4532-2-69	31 OCT 77		13	S082533
AF	ENDR	D6530-6-71	31 OCT 77		13	S082538
AF	ENDR	D6545-5-71	11 NOV 77		13	S082540
AF	ENDR	E6542-5-68	27 OCT 77		13	S082542
AF	ENDR	E6561-3-71	NOV 77		13	S082543

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TOP SECRET CHESS RUFF

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	PAR	610-77	22 JUL 77		13	S082545
AF	PAR	683-77	22 NOV 77		13	S082504
AF	PAR	686-77	28 NOV 77		13	S082505
AF	PAR	691-77	18 NOV 77		13	S082506
AF	PAR	693-77	02 NOV 77		13	S082507
AF	PAR	698-77	20 OCT 77		13	S082508
AF	PAR	699-77	04 NOV 77		13	S082509
AF	PAR	700-77	18 NOV 77		13	S082510
AF	PAR	706-77	31 OCT 77		13	S082511
AF	PAR	707-77	04 NOV 77		13	S082512
AF	PAR	708-77	04 NOV 77		13	S082513
AF	PAR	709-77	29 NOV 77		13	S082514
AF	PAR	710-77	11 NOV 77		13	S082515
AF	PAR	711-77	04 NOV 77		13	S082516
AF	PAR	713-77	23 NOV 77		13	S082517
AF	PAR	714-77	22 NOV 77		13	S082518
AF	PAR	715-77	23 NOV 77		13	S082519
AF	PAR	716-77	22 NOV 77		13	S082520
AF	PAR	717-77	02 DEC 77		13	S082521
AF	PAR	723-77	28 NOV 77		13	S082522
AF	PAR	724-77	02 DEC 77		13	S082523

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	PAR	727-77	05 DEC 77		13	S082524
ARMY	BIIR	RAC24-5001-78	DEC 77		05	S082459
ARMY	PIM	PIM003-78	21 NOV 77		14	S082356
ARMY	PIM	PIM006-78	29 NOV 77		14	S082355
ARMY	PIM	PIM007-78	JAN 78		14	S082354
ARMY	PIM	PIM008-78	JAN 78		14	S082595
ARMY	PIM	PIM009-78	29 NOV 77		14	S082357
ARMY	PIM	PIM010-78	17 NOV 77		14	S082023
ARMY	PIM	PIM011-78	JAN 78		14	S082596
ARMY	PIM	PIM012-78	JAN 78		14	S082597
ARMY	PIM	PIM016-78	JAN 78		14	S082598
ARMY	PIM	PIM017-78	JAN 78		14	S082583
ARMY	PIM	PIM018-78	JAN 78		14	S082584
ARMY	PIM	PIM019-78	JAN 78		14	S082585
ARMY	PIM	PIM020-78	JAN 78		14	S082586
ARMY	PIM	PIM021-78	JAN 78		14	S082587
ARMY	PIM	PIM022-78	JAN 78		14	S082588
ARMY	PIM	PIM023-78	JAN 78		14	S082589
ARMY	PIM	PIM024-78	JAN 78		13	S082590
ARMY	PIM	PIM025-78	JAN 78		14	S082591
ARMY	PIM	PIM026-78	JAN 78		14	S082599
ARMY	PIM	PIM027-78	JAN 78		14	S082592

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	BIIR	RCS13-0001-78	DEC 77		13	S082447
CIA	BIIR	RCS13-0003-78	DEC 77		13	S082446
CIA	BIIR	RCS13-0004-78	DEC 77		13	S082445
CIA	INFR	LFD019-78	25 JAN 78		13	S082600
CIA	INFR	LFD029-78	03 FEB 78		13	S082777
CIA	INFR	TSD004-78	23 JAN 78		14	S082601
CIA	INFR	IS10017-78	14 FEB 78		05	S082750
CIA	INFR	IS10025-78	09 FEB 78		05	S082465
CIA	INFR	IS10028-77	12 JUL 77		05	S082608
CIA	INFR	IS10040-77	23 JUL 77		05	S082609
CIA	INFR	IS10003J-78	13 JAN 78		24	S082602
CIA	INFR	IS10004K-78	15 FEB 78		14	S082786
CIA	INFR	IS10006K-78	09 JAN 78		13	S082603
CIA	INFR	IS10007K-78	10 JAN 78		13	S082604
CIA	INFR	IS10008K-78	11 JAN 78		13	S082605
CIA	INFR	IS10009K-78	11 JAN 78		14	S082606
CIA	INFR	IS10010K-78	10 FEB 78		13	S082776
CIA	INFR	IS10011J-78	13 JAN 78		24	S082607
CIA	INFR	IS10013K-78	30 JAN 78		14	S082784
CIA	INFR	IS10014K-78	03 FEB 78		13	S082785

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SFC CI ASS	ACCN NO.
CIA	INFR	TS10015K-7A	31 JAN 78		13	S0A2594
CIA	INFR	TS10021K-7A	06 FEB 78		13	S0A2778
CIA	INFR	TS10024K-7A	10 FEB 78		13	S0A2775
CIA	INFR	TS10026K-7A	22 FEB 78		13	S0A2792
CIA	INFR	TS10027K-7A	10 FEB 78		14	S0A2787
CIA	INFR	TS10028K-7A	21 FEB 78		13	S0A2791
CIA	INFR	TS10029K-7A	22 FEB 78		13	S0A2790
CIA	INFR	TS10030K-7A	14 FEB 78		13	S0A2779
CIA	INFR	TS10031K-77	18 JUL 77		13	S0A2793
CIA	INFR	TS10031K-7A	14 FEB 78		13	S0A2780
CIA	INFR	TS10032K-7A	14 FEB 78		14	S0A2781
CIA	INFR	TS10033K-7A	15 FEB 78		13	S0A2788
CIA	INFR	TS10034K-7A	22 FEB 78		13	S0A2789
CIA	INFR	TS10035K-7A	23 FEB 78		13	S0A2919
CIA	INFR	TS10036K-7A	23 FEB 78		13	S0A2915
CIA	INFR	TS10038K-7A	22 FEB 78		13	S0A2782
CIA	INFR	TS10039K-7A	23 FEB 78		13	S0A2916
CIA	INFR	TS10040K-7A	22 FEB 78		13	S0A2783
CIA	INFR	TS10042K-7A	27 FEB 78		13	S0A2917
CIA	INFR	TS10043J-7A	27 FEB 78		24	S0A2920
CIA	INFR	TS10044K-7A	28 FEB 78		13	S0A2921
CIA	INFR	TS10046K-7A	23 FEB 78		13	S0A2914

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	INFR	IS10050K-78	01 MAR 78		13	S082918
CIA	INFR	IS10061K-78	30 JAN 78		13	S082593
CIA	INFR	IS10092K-77	08 FEB 78		13	S082794
CIA	INFR	IS10139J-77	17 JAN 78		24	S082610
CIA	INFR	IS10179K-77	29 DEC 77		13	S082611
CIA	IRP	IS10161K-77	DEC 77		14	S082444
CIA	NOTE	ISSN0001J-78	20 JAN 78		25	S082619
CIA	STDY	SI10098KX-77	NOV 77		14	S082372
DIA	BIIR	BDA05-0003-77	JAN 78		14	S082448
DIA	BIIR	RDA11-0012-77	JAN 78		14	S082499
DIA	IIM	5B1-52141-78	26 JAN 78		14	S082626
DIA	IIM	5B1-52142-78	27 JAN 78		14	S082627
DIA	IIM	5B1-52149-78	FEB 78		14	S082652
DIA	IIM	5B1-52150-78	FEB 78		14	S082653
DIA	IIM	5B1-52160-78	06 FEB 78		14	S082629
DIA	IIM	5B1-52168-78	06 FEB 78		14	S082630
DIA	IIM	5B1-52174-78	03 FEB 78		14	S082636
DIA	IIM	5B1-52177-78	06 FEB 78		14	S082632
DIA	IIM	5B1-52179-78	14 FEB 78		14	S082654
DIA	IIM	5B1-52180-78	FEB 78		14	S082655
DIA	IIM	5B1-52181-78	FEB 78		14	S082656

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B1-52182-78	FEB 78		14	S082657
DIA	IIM	5B1-52183-78	FEB 78		14	S082658
DIA	IIM	5B1-52184-78	FEB 78		14	S082659
DIA	IIM	5B1-52185-78	FEB 78		14	S082660
DIA	IIM	5B1-52186-78	FEB 78		14	S082661
DIA	IIM	5B1-52187-78	FEB 78		14	S082662
DIA	IIM	5B1-52188-78	FEB 78		14	S082663
DIA	IIM	5B1-52190-78	FEB 78		14	S082664
DIA	IIM	5B1-52191-78	FEB 78		14	S082665
DIA	IIM	5B1-52192-78	FEB 78		14	S082666
DIA	IIM	5B1-52193-78	FEB 78		14	S082667
DIA	IIM	5B1-52194-78	FEB 78		14	S082668
DIA	IIM	5B1-52195-78	14 FEB 78		14	S082669
DIA	IIM	5B1-52196-78	FEB 78		14	S082670
DIA	IIM	5B1-52197-78	FEB 78		14	S082671
DIA	IIM	5B1-52198-78	FEB 78		14	S082672
DIA	IIM	5B1-52213-78	08 FEB 78		14	S082673
DIA	IIM	5B1-52215-78	08 FEB 78		14	S082674
DIA	IIM	5B1-52216-78	08 FEB 78		14	S082675
DIA	IIM	5B1-52217-78	09 FEB 78		14	S082676
DIA	IIM	5B1-52222-78	06 FEB 78		14	S082677
DIA	IIM	5B1-52224-78	08 FEB 78		14	S082678

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B1-52226-78	03 FEB 78		14	S082770
DIA	IIM	5B1-52227-78	07 FEB 78		14	S082679
DIA	IIM	5B1-52229-78	10 FEB 78		13	S082639
DIA	IIM	5B1-52235-78	FEB 78		14	S082826
DIA	IIM	5B1-52241-78	FEB 78		14	S082680
DIA	IIM	5B1-52244-78	10 FEB 78		14	S082771
DIA	IIM	5B1-52245-78	09 FEB 78		14	S082681
DIA	IIM	5B1-52247-78	14 FEB 78		14	S082682
DIA	IIM	5B1-52253-78	14 FEB 78		14	S082825
DIA	IIM	5B1-52268-78	03 FEB 78		14	S082890
DIA	IIM	5B1-52287-78	FEB 78		14	S082891
DIA	IIM	5B1-52306-78	16 FEB 78		14	S082828
DIA	IIM	5B1-52307-78	16 FEB 78		14	S082829
DIA	IIM	5B1-52334-78	28 FEB 78		13	S082889
DIA	IIM	5B3-52017-78	02 FEB 78		13	S082503
DIA	IIM	5B3-52146-78	06 FEB 78		13	S082628
DIA	IIM	5B3-52172-78	06 FEB 78		13	S082631
DIA	IIM	5B3-52223-78	14 FEB 78		13	S082637
DIA	IIM	5B3-52225-78	14 FEB 78		13	S082638
DIA	IIM	5B3-52232-78	15 FEB 78		13	S082683
DIA	IIM	5B3-52233-78	15 FEB 78		13	S082684

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B3-52238-78	14 FEB 78		13	S082685
DIA	IIM	5B3-52240-78	15 FEB 78		13	S082686
DIA	IIM	5B3-52249-78	17 FEB 78		13	S082687
DIA	IIM	5B3-52250-78	15 FEB 78		13	S082688
DIA	IIM	5B3-52251-78	15 FEB 78		13	S082689
DIA	IIM	5B3-52252-78	15 FEB 78		13	S082690
DIA	IIM	5B3-52254-78	15 FEB 78		13	S082691
DIA	IIM	5B3-52256-78	15 FEB 78		13	S082692
DIA	IIM	5B3-52257-78	15 FEB 78		13	S082693
DIA	IIM	5B3-52258-78	15 FEB 78		13	S082694
DIA	IIM	5B3-52259-78	15 FEB 78		13	S082695
DIA	IIM	5B3-52260-78	15 FEB 78		13	S082696
DIA	IIM	5B3-52261-78	15 FEB 78		13	S082697
DIA	IIM	5B3-52263-78	15 FEB 78		13	S082698
DIA	IIM	5B3-52266-78	16 FEB 78		13	S082699
DIA	IIM	5B3-52269-78	17 FEB 78		13	S082700
DIA	IIM	5B3-52271-78	17 FEB 78		13	S082701
DIA	IIM	5B3-52283-78	7 FEB 78		13	S082702
DIA	IIM	5B3-52301-78	22 FEB 78		13	S082773
DIA	IIM	5B3-52302-78	22 FEB 78		13	S082774
DIA	IIM	5B3-52303-78	23 FEB 78		13	S082827
DIA	IIM	5B3-52310-78	23 FEB 78		13	S082830

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B3-52311-78	13 FEB 78		13	S082831
DIA	IIM	5B3-52312-78	23 FEB 78		13	S082832
DIA	IIM	5B3-52314-78	23 FEB 78		13	S082833
DIA	IIM	5B3-52316-78	23 FEB 78		13	S082834
DIA	IIM	5B3-52318-78	23 FEB 78		13	S082835
DIA	IIM	5B3-52325-78	27 FEB 78		13	S082892
DIA	IIM	5B3-52326-78	28 FEB 78		13	S082893
DIA	IIM	5B3-52327-78	FEB 78		13	S082894
DIA	IIM	5B3-52328-78	28 FEB 78		13	S082895
DIA	IIM	5B3-52329-78	28 FEB 78		13	S082896
DIA	IIM	5B3-52330-78	28 FEB 78		13	S082897
DIA	IIM	5B3-52331-78	10 MAR 78		24	S083019
DIA	IIM	5B3-52333-78	28 FEB 78		13	S082898
DIA	IIM	5B3-52336-78	28 FEB 78		13	S082899
DIA	IIM	5B3-52341-78	28 FEB 78		13	S082900
DIA	IIM	5B3-52344-78	28 FEB 78		13	S082901
DIA	IIM	5B3-52345-78	28 FEB 78		13	S082902
DIA	IIM	5B3-52346-78	28 FEB 78		13	S082903
DIA	IIM	5B3-52349-78	01 MAR 78		13	S082904
DIA	IIM	5B3-52351-78	28 FEB 78		13	S082905
DIA	IIM	5B3-52352-78	01 MAR 78		13	S082906

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC. CLASS	ACCN NO.
DIA	IIM	5B3-52353-78	28 FEB 78		13	S082907
DIA	IIM	5B3-52358-78	28 FEB 78		13	S082908
DIA	IIM	5B3-52360-78	01 MAR 78		13	S082909
DIA	IIM	5B3-52421-78	10 MAR 78		13	S083014
DIA	IIM	5B3-52422-78	10 MAR 78		13	S083015
DIA	IIM	5B3-52424-78	10 MAR 78		13	S083016
DIA	IIM	5B3-52425-78	10 MAR 78		13	S083017
DIA	IIM	5B3-52431-78	10 MAR 78		13	S083018
DIA	IIM	5B3-52432-78	10 MAR 78		13	S083020
DIA	IIM	5B3-52433-78	10 MAR 78		13	S083021
DIA	IIM	5B3-52439-78	10 MAR 78		13	S083022
DIA	IIM	5B3-52440-78	10 MAR 78		13	S083023
DIA	IIM	5B3-52441-78	10 MAR 78		13	S083024
DIA	IIM	5B3-52442-78	10 MAR 78		13	S083025
DIA	IIM	5B3-52443-78	10 MAR 78		13	S083026
DIA	IIM	5B3-52447-78	10 MAR 78		13	S083027
DIA	IIM	5B3-52448-78	10 MAR 78		13	S083028
DIA	IIM	5B3-52458-78	10 MAR 78		13	S083029
DIA	IIM	5B3-52474-78	10 MAR 78		13	S083030
DIA	NBRG	NDA06-5099-77	30 JAN 78		05	S082612
DIA	NBRG	NDA06-5100-77	30 JAN 78		05	S082613
DIA	NBRG	NDA06-5106-77	17 JAN 78		05	S082429

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5107-77	17 JAN 78		05	S082430
DIA	NBRG	NDA07-5303-77	27 JAN 78		05	S082576
DIA	NBRG	NDA07-5304-77	27 JAN 78		05	S082577
DIA	NBRG	NDA07-5305-77	27 JAN 78		05	S082578
DIA	NBRG	NDA07-5306-77	27 JAN 78		05	S082579
DIA	NBRG	NDA07-5307-77	27 JAN 78		05	S082580
DIA	NBRG	NDA07-5308-77	27 JAN 78		05	S082581
DIA	NBRG	NDA07-5309-77	27 JAN 78		05	S082582
DIA	NBRG	NDA07-5310-77	27 JAN 78		05	S082562
DIA	NBRG	NDA07-5311-77	27 JAN 78		05	S082563
DIA	NBRG	NDA07-5312-77	27 JAN 78		05	S082564
DIA	NBRG	NDA07-5313-77	27 JAN 78		05	S082565
DIA	NBRG	NDA07-5314-77	27 JAN 78		05	S082566
DIA	NBRG	NDA07-5315-77	27 JAN 78		05	S082567
DIA	NBRG	NDA07-5316-77	27 JAN 78		05	S082568
DIA	NBRG	NDA07-5317-77	27 JAN 78		05	S082569
DIA	NBRG	NDA07-5318-77	27 JAN 78		05	S082570
DIA	NBRG	NDA07-5319-77	27 JAN 78		05	S082571
DIA	NBRG	NDA07-5320-77	27 JAN 78		05	S082572
DIA	NBRG	NDA07-5321-77	27 JAN 78		05	S082573
DIA	NBRG	NDA07-5322-77	27 JAN 78		05	S082574

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5323-77	27 JAN 78		05	S082575
DIA	NBRG	NDA07-5324-77	27 JAN 78		05	S082614
DIA	NBRG	NDA07-5325-77	27 JAN 78		05	S082615
DIA	NBRG	NDA07-5326-77	27 JAN 78		05	S082616
DIA	NBRG	NDA07-5327-77	27 JAN 78		05	S082617
DIA	NBRG	NDA07-5328-77	27 JAN 78		05	S082618
DIA	STDY	CADA002-77	19 NOV 77		13	S082377
DIA	STDY	DDI1010-032-77	NOV 77		14	S082376
DIA	STDY	DDI1300-111-77	DEC 77		25	S082369
DIA	STDY	DDI2680-023C-77	NOV 77		25	S082370
DIA	STDY	DST1000S-267-77	SEP 77		24	S082375
DIA	STDY	DST1010S-366-77	25 OCT 77		25	S082374
DIA	STDY	DST1030S-478-77	25 NOV 77		25	S082361
DIA	STDY	DST1050S-188-77	11 NOV 77		14	S082373
DIA	STDY	DST1340S-075-77	DEC 77		24	S082360
DIA	STDY	DST1350S-198-77	01 AUG 77		25	S082378
DIA	STDY	DST2610R-244-77	NOV 77		24	S082371

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NPIC	BIIR	RCA09-0001-78	JAN 78		25	S082553
NPIC	BIIR	RCA09-0017-77	JAN 78		25	S082450

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	BIIR	RCA09-0018-77	JAN 78	[Redacted]	25	S082554
NPIC	BIIR	RCA19-0001-78	DEC 77		14	S082449
NPIC	IIR	IIR003-78	12 JAN 78		05	S082463
NPIC	IIR	IIR004-78	20 JAN 78		14	S082461
NPIC	IIR	IIR005-78	23 JAN 78		05	S082464
NPIC	IIR	IIR007-78	02 FEB 78		14	S082620
NPIC	IPIR	001/007-IPIR-78	07 JAN 78		14	S082327
NPIC	IPIR	338/344-IPIR-77	10 DEC 77		14	S082136
NPIC	IPIR	345/351-IPIR-77	17 DEC 77		14	S082192
NPIC	IPIR	352/358-IPIR-77	24 DEC 77		14	S082194
NPIC	IPIR	359/365-IPIR-77	31 DEC 77		14	S082324
NPIC	IPIR	4349-IPIR006-77	05 DEC 77		14	S082326
NPIC	MCS	MCS001-78	JAN 78		14	S082501
NPIC	MCS	MCS011-77	DEC 77		14	S082467
NPIC	MEMO	[Redacted]	06 FEB 77		14	S082623
NPIC	MEMO		06 FEB 78		14	S082624
NPIC	MEMO		06 FEB 77		14	S082625
NPIC	MEMO		08 FEB 78		14	S082622
NPIC	MEMO		08 FEB 78		14	S082633
NPIC	MEMO		16 FEB 78		14	S082703
NPIC	MEMO		17 FEB 78	14	S082823	

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	MEMO		17 FEB 78		14	S082824
NPIC	MEMO		09 JAN 78		13	S082502
NPIC	MEMO		10 JAN 78		13	S082466
NPIC	MEMO		13 JAN 78		13	S082462
NPIC	MEMO		14 FEB 78		13	S082649
NPIC	MEMO		01 MAR 78		14	S082846
NPIC	MEMO		24 FEB 78		14	S082805
NPIC	MIPIR	CA0122-77	18 NOV 77		14	S081953
NPIC	MIPIR	CA0146-77	23 DEC 78		14	S082195
NPIC	MIPIR	CA0155-78	07 JAN 78		14	S082328
NPIC	MIPIR	CA0160-78	13 JAN 78		14	S082392
NPIC	PIR	PIR001-78	JAN 78		14	S082453
NPIC	PIR	PIR002-78	JAN 78		25	S082498
NPIC	PIR	PIR042-77	JAN 78		14	S082451
NPIC	SR	SR001-78	JAN 78		14	S082456
NPIC	SR	SR002-78	JAN 78		14	S082458
NPIC	SR	SR003-78	JAN 78		14	S082455
NPIC	SR	SR004-78	JAN 78		14	S082454
NPIC	SR	SR005-78	JAN 78		14	S082457
NPIC	SR	SR006-78	JAN 78		14	S082452
NPIC	SR	SR007-78	JAN 78		14	S082460
NPIC	SR	SR008-78	JAN 78		14	S082555

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	SR	SR009-78	JAN 78	[Redacted]	14	S082500
NPIC	SR	SR010-78	JAN 78	[Redacted]	25	S082552
NPIC	SR	SR011-78	FEB 78	[Redacted]	14	S082556
NPIC	SR	SR012-78	FEB 78	[Redacted]	14	S082621

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PART III

Listing of Reports by General Subject

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	ADEN AIRFIELD INTERNATIONAL	YS	124940N 0450150E	S082750
05	AIRCRAFT, AERODYNAMIC VEH U/I ACTIVITY/EQUIP	UR		S082511
05	AIRCRAFT, AIR ACTIVITY SALT RELATED	UR		S082604
05	AIRCRAFT, AIR ACTIVITY SALT RELATED	UR		S082921
05	AIRCRAFT, BADGER C TU-16 WEAPONS RACK MODIF	UR		S082529
05	AIRCRAFT, BADGER TU-16 O/B + AIR-REFUEL CPBL	UR		S083019
05	AIRCRAFT, BLINDER TU-22 LRA DEPLOYMENT	UR		S082700
05	AIRCRAFT, CAMBER A IL-86	UR		S082541
05	AIRCRAFT, CANDID IL-76 MEASUREMENTS	UR		S082503
05	AIRCRAFT, CHECH B	UR		S082525
05	AIRCRAFT, COOT IL-18 MODIFIED	UR		S082805
05	AIRCRAFT, DEVELOPMENTS	UR		S082370
05	AIRCRAFT, FLAGON F/G SU-15 DEPLOYMENT	UR		S082628

05	AIRCRAFT, HELICOPTER TRENDS + DEVELOPMENTS	UR		S082503
05	AIRCRAFT, MOSS TU-126 MEASUREMENTS	UR		S082528
05	AIRCRAFT, RAM A	UR		S082511
05	AIRCRAFT, RAM A ACTIVITY/DEPLOYMENT	UR		

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05	AL ANAD AIRFIELD	YS	130940N 0444630E	S082750
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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05	ANADYR/UGOLNYYE KOPI AIRFIELD BADGER O/B	UR	644406N 1774428E	S083019
05	ANISOVO GORODISHCHE AIRFIELD BADGER TU-16 O/B	UR	541327N 0342208E	
05	ARKHANGELSK/KHOLM AIRFIELD COOT IL-18 MODIF	UR	642252N 0404328E	S082805
05	BABAYEVO BOMBING RANGE SEARCH	UR	592400N 0364500E	S082689
05	BARANOVICHI AIRFIELD BADGER TU-16 O/B	UR	530542N 0260254E	S083019
05	BARANOVICHI AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	530542N 0260254E	S082700
05	BELAYA AIRFIELD BADGER TU-16 O/B	UR	525454N 1033434E	S083019
05	BELAYA TSEKOV AIRFIELD BADGER TU-16 O/B	UR	494749N 0300135E	
05	BISSAU AIRFIELD HIP C MI-8 IDENTIFICATION	PU	115330N 0154030W	S082775
05	BOBRUYSK AIRFIELD BADGER TU-16 O/B	UR	530610N 0291230E	S083019
05	BOLE AIRFIELD COCK/CLASSIC/CUB/CURL/FISHBED	ET	085840N 0384753E	S082463
05	BORISOVSKIY BOMBING RANGE SEARCH	UR	573900N 0340600E	S082694

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05	BRATISLAVA/IVANKA AIRFIELD RUNWAY COMPOSITION	CZ	481013N 0171250E	S083025
05	CHEKUROVKA BOMBING RANGE SEARCH	UR	7057 N 12725 E	S082695
05	CHELYABINSK/BAKAL AIRFIELD	UR	551535N 0611758E	S082906

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05	DLOUHA LHOTA AIRFIELD RUNWAY COMPOSITION	CZ	494316N 0140606E	S083030
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	ENGELS BOMBING RANGE SEARCH	UR	5130 N 04615 E	S082696
05	FAID AIRFIELD CONSTRUCTION	EG	302005N 0321624E	S082608
05	GOMEL/PRIBYTKI AIRFIELD BADGER TU-16 O/B	UR	521824N 0310947E	S083019
05	GOMEL/PRIBYTKI AIRFIELD BLINDER TU-22 DPL	UR	521824N 0310947E	S082700
05	HRADEC KRALOVE AIRFIELD RUNWAY COMPOSITION	CZ	501508N 0155050E	S083023
05	KABRIT AIRFIELD CONSTRUCTION	EG	301453N 0322932E	S082608
05	KARAGANDA AIRFIELD SW	UR	494021N 0725909E	S082902
05	KARLOVY VARY AIRFIELD RUNWAY COMPOSITION	CZ	501211N 0125457E	S083029
05	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	555119N 0490231E	S082505
05	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	555119N 0490231E	S082539
05	KAZAN AIRFRAME PLANT B387 FLOORSPACE	UR	555119N 0490231E	S082688
05	KERKI AIRFIELD POL STORAGE CAPACITY	UR	374905N 0651235E	S082903
05	KHABAROVSK AIRFIELD BADGER TU-16 O/B	UR	482745N 1350907E	S083019
05	KHALMER YU BOMBING RANGE SEARCH	UR	6823 N 06530 E	S082698

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	KHERSON BOMBING RANGE SEARCH	UR	4637 N 03305 E	S082697
05	KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	583834N 0493709E	S082554
05	KLECANY/VODOCHODY AIRFIELD RUNWAY COMPOSITION	CZ	501305N 0142344E	S083021
05	KORKINO AIRFIELD	UR	545705N 0613030E	S082901
05	KOSICE/BARCA AIRFIELD RUNWAY COMPOSITION	CZ	484009N 0211435E	S083018
[Redacted]				
05	KUNOVICE AIRFIELD RUNWAY COMPOSITION	CZ	490149N 0172628E	S083028
05	KUYBYSHEV AIRCRAFT ENG PLT FRUNZE FLOORSPACE	UR	531203N 0501642E	S082686
05	KUYBYSHEV AIRFRAME PLANT LENIN 18 CONST NEW	UR	531300N 0501814E	S082637
[Redacted]				
05	LUKHUVITSY AIRFRAME PLANT FLOORSPACE	UR	545455N 0390220E	S082692
[Redacted]				
05	MAGDAGACHI AIRFIELD HELICOPTER REGIMENTS	UR	532820N 1254741E	S082631
[Redacted]				
05	MILOVICE AIRFIELD RUNWAY COMPOSITION	CZ	501410N 0145520E	S083026
05	MIMON AIRFIELD RUNWAY COMPOSITION	CZ	503713N 0144359E	S083027
05	MINSK/MACHULISHCHE AIRFIELD BLINDER TU-22 DPL	UR	534626N 0273442E	S082700
[Redacted]				
05	MOSKVA AIRCRAFT ENGINE PLANT 45 FLOORSPACE	UR	554625N 0374303E	S082684
05	MOSKVA AIRFRAME PLANT 30 CONSTRUCTION NEW	UR	554703N 0373249E	S082699

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EPR/CAT	SUBJECT	COUN	COORD	ACCN NO.
U5	MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNY	UR	555544N 0373027E	S082554
U5	NAMEST NAD OSLAVOU AIRFIELD RWY COMPOSITION	CZ	490958N 0160728E	S083014
U5	NEZHIN AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	510519N 0315207E	S082700
U5	ORSHA AIRFIELD SW BADGER TU-16 O/B	UR	542622N 0301747E	S083019
U5	PARDUBICE AIRFIELD RUNWAY COMPOSITION	CZ	500053N 0154420E	S083015
U5	PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 1	UR	575848N 0561508E	S082526
U5	PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 2	UR	575848N 0561508E	S082527
U5	PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	575848N 0561508E	S082519
U5	PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	575848N 0561508E	S082540
U5	PERM AIRCRAFT ENGINE PLT STALIN 19 FLOORSPACE	UR	575848N 0561508E	S082693
U5	PINGPA AIRCRAFT MANUFACTURING PLANT SEARCH	CH	262620N 1061715E	S082522
U5	POLTAVA AIRFIELD BADGER TU-16 O/B	UR	493740N 0342923E	S083019
U5	POPRAD/TATRY AIRFIELD RUNWAY COMPOSITION	CZ	490428N 0201426E	S083022
U5	PRAHA/RUZNYE AIRFIELD RUNWAY COMPOSITION	CZ	500604N 0141600E	S083024
U5	PRILUKI AIRFIELD BADGER TU-16 O/B	UR	503434N 0321901E	S083019
U5	PYADZH/AMU DARYA AIRFIELD	UR	371540N 0690520E	S083017
U5	ROSS AIRFIELD	UR	531810N 0242206E	S082448
U5	ROSTOV AIRFRAME PLANT 168 CONSTRUCTION NEW	UR	471516N 0394318E	S082690

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	RYAZAN/DYAGILEVO AIRFIELD BADGER TU-16 O/B	UR	543830N 0393412E	S083019
05	RYBINSK AIRCRAFT ENGINE PLANT 36 FLOORSPACE	UR	580307N 0384833E	S082683
05	SARATOV AIRFRAME PLANT 292	UR	512948N 0455703E	S082554
05	SIBAY AIRFIELD	UR	524115N 0584230E	S082905
05	SOLTSY AIRFIELD BADGER TU-16 O/B	UR	580822N 0301914E	S083019
05	SPASSK DALNIY AIRFIELD EAST BADGER TU-16 O/B	UR	443647N 1325302E	
05	STRYY AIRFIELD BADGER TU-16 O/B	UR	491443N 0234726E	
05	TAGANROG AIRFRAME PLT 86 CANDID/MOSS MSRMTS	UR	471150N 0385220E	S082503
05	TARTU AIRFIELD BADGER TU-16 O/B	UR	582417N 0264624E	S083019
05	TASHKENT AIRFRAME PLT B CHKALOV 84 CONST NEW	UR	411802N 0691904E	S082691
05	TAYBOLA AIRFIELD NW	UR	683030N 0331720E	S082908
05	TIKSI BOMBING RANGE SEARCH	UR	7157 N 12705 E	S082701
05	UFA AIRCRAFT ENGINE PLANT A26 FLOORSPACE	UR	544735N 0560740E	S082685
05	ULAN UDE AIRFIELD EAST	UR	515054N 1074336E	S082553
05	ULAN UDE AIRFRAME PLANT 99	UR	515123N 1074344E	
05	URALSK AIRFIELD NON-OPERATIONAL	UR	511503N 0512547E	S082774
05	USSURIYSK/VOZDVIZHENKA AIRFIELD BADGER O/B	UR	435425N 1315547E	S083019
05	VORONEZH AIRFRAME PLANT 64 CONSTRUCTION NEW	UR	513819N 0391517E	S082638
05	YELABUGA AIRFIELD NORTH	UR	554749N 0520755E	S083016
05	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	474928N 0351147E	S082514
05	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	474928N 0351147E	S082538

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELLS	UR	474928N 0351147E	S082533
05	ZATEC AIRFIELD RUNWAY COMPOSITION	CZ	502219N 0133523E	S083020
05	ZAVITINSK AIRFIELD NE BADGER TU-16 O/B	UR	501132N 1293006E	S083019
05	ZHITOMIR/SKOMOROKHI AIRFIELD BLINDER TU-22	UR	500933N 0284419E	S082700
10	BORISOV U/I CLEARING/CONSTRUCTION AREA	UR	5415 N 02842 E	S082462
10	GENERAL, CIVIL DEF KIYEVSKAYA OBLAST UPDATE	UR		S082444
10	GENERAL, SEISMIC SIGNALS EARTHQUAKE POSS	UR		S082787
10	KIYEVSKAYA OBLAST CIVIL DEFENSE MEASURES	UR	5015 N 03030 E	S082444
[REDACTED]				
10	MINSK CIVIL DEFENSE	UR	535349N 0273353E	S082366
10	MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	535020N 0273225E	S082365
10	MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	535344N 0273618E	S082367
[REDACTED]				
13	PENZA MEDICINAL PREP PLANT BW STGE AREA POSS	UR	531305N 0450400E	S082917
[REDACTED]				
[REDACTED]				
[REDACTED]				
[REDACTED]				
[REDACTED]				
[REDACTED]				
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15	MIPIR 118/122			S081953

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
15	MIPIR 143/146			S082195
15	MIPIR 151/155			S082328
15	MIPIR 156/160			S082392
25	ADRASMAN RADIO RELAY STATION NE	UR	404307N 0700537E	S082520
25	ALMALYK RADIO RELAY FACILITIES SEARCH	UR	4048 N 06957 E	
25	ALUSHTA RADIO RELAY STATION	UR	442950N 0342410E	S082594
25	ALYAT PRISTAN RADIO RELAY STATION	UR	395635N 0492410E	S082624
25	ANDREYEVKA RADIO RELAY STATION	UR	530300N 0672835E	S082633
25	ANMIN RADIO RELAY STATION BUNKERED	CH	424927N 1245527E	S082354
25	ASTARA RADIO RELAY STATION	UR	382910N 0485015E	S082624
25	BANK RADIO RELAY STATION	UR	392520N 0491300E	
25	CHIANGLO RADIO RELAY STATION SE	CH	263700N 1173540E	S082588
25	CHIMKURGAN RADIO RELAY FACILITIES SEARCH	UR	4020 N 06742 E	S082520
25	CHINGYU MTC TRACKING FACILITY WNW	CH	422552N 1263521E	S082523
25	CHINHUACHEN RADIO RELAY STATION	CH	305950N 1050935E	S082599
25	CHIRCHIK AIRFIELD TALL KING AW RADAR FACILITY	UR	412820N 0693210E	S082451
25	DUVANNYY RADIO RELAY STATION SOUTH	UR	400020N 0492320E	S082624
25	DZHALILABAD TV RELAY STATION	UR	3913 N 04830 E	
25	DZHETYGARA TV + RADIO RELAY STATION	UR	521035N 0611045E	S082622
25	DZHETYGARA TV + RADIO RELAY STATION	UR	521035N 0611045E	
25	ELECTRONICS, ABM/ASAT LONG RANGE RADARS	UR		S082373

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	ELECTRONICS, DEVELOPMENTS	UR		S082370
25	ELECTRONICS, EGG HEAD RADOME	UR		S082790
25	ELECTRONICS, EW RADAR STORAGE RESERVE	UR		S082451
25	ELECTRONICS, FLAT FACE EW/ACQUISITION RADAR	UR		S082363
25	ELECTRONICS, LAND ROLL ANTENNAS SA-8 RELATED	UR		S082534
25	ELECTRONICS, MOLNIYA-1 ANT 12-ELEMENT HELICAL	UR		S082359
25	ELECTRONICS, R-102M/R-140 RADIO STATIONS COMP	UR		S082465
25	ELECTRONICS, R-140/R-102M RADIO STATIONS COMP	UR		
25	ELECTRONICS, SONAR ARRAY Y CLASS SSBN MOUNTED	UR		S082789
25	ELECTRONICS, SS-11 CPLXS ANTS HARD POSS U/C	UR		S082916
25	ELECTRONICS, SUBMARINE DETECTION SYS PETYA CL	UR		S082786
25	ELECTRONICS, TEAM WORK RADAR SYSTEM	CH		S082459
25	ELECTRONICS, TYPE 3X LCF SIGNATURES	UR		S082515
25	ELECTRONICS, 4-DISH CLUSTER ESV/COMSAT ANT	UR		S082703
25	FOUKANG INSTRUMENTATION SITE MOBILE IDENT	CH	441000N 0875940E	S082920
25	GALENKI ESV TRACKING/MOLNIYA FACIL 4-DISH ANT	UR	440130N 1314545E	S082703
25	GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	561824N 0435945E	S082824
25	GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	561824N 0435945E	
25	HOCHIH RADIO RELAY STATION	CH	244359N 1080529E	S082585
25	HUANGCHUNG RADIO RELAY STATION SE	CH	362500N 1013830E	S082591
25	HUNGSUPAO RADIO RELAY STATION	CH	371842N 1061651E	S082592
25	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	375721N 1263315E	S082023
25	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	375721N 1263315E	

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EPE/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	KHOLKARAKASHLY RADIO RELAY STATION	UR	391540N 0485540E	S082624
25	KLYUCHI COMSAT STATION	UR	561823N 1605200E	S082623
25	KOHTLA JARVE TV RELAY + FM BROADCASTING STA	UR	5924 N 02716 E	S082625
25	KOKCHETAV AM BROADCASTING STATION	UR	531720N 0692150E	S082633
25	KOLPASHEVO ESV TRACKING FACILITY 4-DISH ANT	UR	582011N 0825257E	S082703
25	KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	570535N 0450840E	S082824
25	KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	570535N 0450840E	S082824
25	KUANGCHOU ELECTRONICS ASSOC BLDG 3 PROB IDENT	CH	230755N 1131810E	S082596
25	KUANGCHOU RADIO RELAY STATION NORTH POSS	CH	231030N 1131735E	S082595
25	KUANGCHOU RADIO RELAY STATION SOUTH	CH	230853N 1131521E	S082357
25	KUANGCHOU RADIO RELAY TML EAST 2 PROB IDENT	CH	230735N 1131800E	S082596
25	KUANGCHOU TELEGRAPH BLDG EAST 1 PROB IDENT	CH	230728N 1131708E	S082596
25	KUANGCHOU/NANNING MICROWAVE RADIO RELAY SYS	CH	2307 N 11315 E	S082500
25	KUSTANAY RADIO RELAY + TV RELAY STATION	UR	531337N 0634000E	S082622
25	KUSTANAY RADIO RELAY + TV RELAY STATION	UR	531337N 0634000E	S082622
25	KYZYLAGACH RADIO RELAY STATION	UR	390203N 0484740E	S082624
25	LAIYUAN RADIO RELAY STATION SOUTH BUNKERED	CH	391240N 1144210E	S082597
25	LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	5954 N 03023 E	S082823
25	LENINGRAD SHIPYARD ZHDANOV 190 4-DISH ANT	UR	595233N 0301406E	S082703
25	LENKORAN TV RELAY STATION	UR	384525N 0485000E	S082624
25	LIANGWANGSHAN RADIO RELAY STATION	CH	244530N 1025350E	S082598
25	LIMA EW RADARS SOVIET IDENTIFICATION	PE	1209 S 07701 W	S082605
25	LINFUTSUI RADIO RELAY STATION	CH	251045N 1081045E	S082355

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	LINGSHIH RADIO RELAY STATION BUNKERED	CH	364600N 1115255E	S082586
25	MOSKVA/SHCHELKOVO ESV TRACKING FAC 4-DISH ANT	UR	555644N 0375803E	S082703
25	MUCHIAYEN RADIO RELAY STATION EAST BUNKERED	CH	340749N 1093431E	S082583
25	NANNING/KUANGCHOU MICROWAVE RADIO RELAY SYS	CH	2248 N 10818 E	S082500
25	NIKOLAYEVKA RADIO COMMO RCVR/RADIO RELAY STA	UR	445930N 0333740E	S082594
25	NINGCHIU RADIO RELAY STATION	CH	374010N 1150300E	S082589
25	NOVOKRONSHADSKOYE RADIO RELAY STATION	UR	522718N 0681117E	S082633
25	NURATA TROPOSCATTER STATION	UR	402332N 0655912E	S082520
25	ORDZHONIKIDZE RADIO RELAY STATION	UR	522730N 0614501E	S082622
25	PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	3955 N 11624 E	S082619
25	PINGENGPU RADIO RELAY STATION	CH	374130N 1060555E	S082590
25	PLESETSK MTC ESV TRACKING FACILITY	UR	625357N 0403329E	S082512
25	PLESETSK MTC ESV TRACKING FACILITY	UR	625357N 0403329E	S082542
25	PLESETSK MTC MOBILE ICBM FICIL 2 ELECTRONICS	UR	625117N 0403429E	S082517
25	PLESETSK MTC SPACE SITE 27 ELECTRONICS	UR	625423N 0404715E	
25	POGRANICHNIY ESV TRACKING/MOLNIYA 4-DISH ANT	UR	530546N 1582039E	S082703
25	ROMANTSEVO RADIO COMMUNICATONS RCVR SITE B	UR	551704N 0373350E	S082521
25	ROSS AIRFIELD AW RADAR FACILITY	UR	531919N 0242200E	S082448
25	ROSS AIRFIELD GCA SITE	UR	531816N 0242206E	
25	RUDNYI RADIO RELAY STATION	UR	525830N 0630530E	S082622
25	RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	525020N 0665540E	S082633
25	RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	525020N 0665540E	
25	SALYANY RADIO RELAY + RADIO COMMO STATION	UR	393720N 0490200E	S082624

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	SARY SHAGAN MTC COMPLEX D EGG HEAD RADAR	UR	454840N 0733404E	S082790
25	SARY SHAGAN MTC COMPLEX F ELCT FAC SH-4 LNCHR	UR	462629N 0725108E	S082791
25	SARY SHAGAN MTC ESV TRACKING/MOLNIYA 4-DISH	UR	455338N 0733727E	S082703
25	SEME NOV RADIO RELAY STATION	UR	564815N 0443130E	S082824
25	SEVASTOPOL RADIO RELAY + TV CENTER	UR	443545N 0333130E	S082594
25	SEVASTOPOL RADIO RELAY + TV CENTER	UR	443545N 0333130E	
25	SEVASTOPOL RADIO RELAY + TV STATION SE	UR	443437N 0333407E	
25	SEVASTOPOL RADIO RELAY + TV STATION SE	UR	443437N 0333407E	
25	SEVERODVINSK COMSAT STA 4-DISH ANT CLUSTER	UR	643320N 0394600E	S082703
25	SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	UR	573940N 0463920E	S082824
25	SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	UR	573940N 0463920E	
25	SHALKAR RADIO RELAY STATION	UR	531315N 0684610E	S082633
25	SHIHWULIPU RADIO RELAY STATION NW BUNKERED	CH	351457N 1090634E	S082356
25	SIMFEROPOL TV CENTER	UR	445636N 0340638E	S082594
25	STEPNOY TV + RADIO RELAY STATION	UR	523220N 0622930E	S082622
25	STEPNOY TV + RADIO RELAY STATION	UR	523220N 0622930E	
25	TEM TA RADIO RELAY STATION	UR	572910N 0455405E	S082824
25	TIENTSUNGTAWAN SSM TRACKING FACILITY	CH	404604N 0995421E	S082920
25	TIMIKYAZEVO TV BROADCASTING STATION PROB	UR	534440N 0662927E	S082633
25	TOBOL RADIO RELAY STATION	UR	524105N 0623535E	S082622
25	ULAN UDE ESV TRACKING FAC 4-DISH ANT CLUSTER	UR	515223N 1075650E	S082703
25	USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	434932N 1315650E	S082455
25	VOLDARSKOYE RADIO RELAY STATION	UR	531625N 0680723E	S082633

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	YALTA RADIO RELAY STATION NE	UR	443112N 0341455E	S082594
25	YALTA RADIO RELAY STATION WEST	UR	442920N 0340140E	
25	YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	442700N 0340300E	
25	YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	442700N 0340300E	
25	YENAN RADIO RELAY STATION	CH	363520N 1092730E	S082587
25	YENAN TV TRANSMITTER STATION	CH	363600N 1092950E	S082584
25	YENISEYSK ESV TRACKING/MOLNIYA FAC 4-DISH ANT	UR	582643N 0921604E	S082703
25	YEVPARATORIYA DEEP SPACE TRKG FAC 4-DISH ANT	UR	451325N 0330955E	
30	CHIUCHUAN IRON PLANT	CH	394900N 0981440E	S082446
30	CHIUCHUAN IRON + STEEL PLANT	CH	394855N 0981723E	
30	CHUNGWEI IRON PLANT	CH	373000N 1050545E	S082445
30	HANGWANGCHANG STEAM TURBINE PLANT	CH	312630N 1040935E	S082792
30	HOHSIPU IRON PLANT	CH	382230N 1020505E	S082446
30	HSINING IRON PLANT	CH	364415N 1014557E	S082447
30	HSINING STEEL PLANT	CH	364012N 1014008E	
30	HUANGCHUNG IRON PLANT	CH	363305N 1013215E	
30	HUANGCHUNG STEEL PRODUCTS PLANT	CH	363242N 1013212E	
30	HUNGKUNTZU IRON PLANT	CH	390958N 1063925E	S082445
30	INDUSTRY, AMMONIA/UREA FTLZR PLT DUPLICATION	CH		S082619
30	INDUSTRY, ELECTRICAL EQUIP PLTS SSUCHUANSHENG	CH		S082792
30	INDUSTRY, IRON + STEEL PLANTS NINGHSIAHUITSU	CH		S082445
30	INDUSTRY, SEMICONDUCTOR PLANTS SIGNATURES	UR		S082619
30	KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	S082554
30	LANCHOU IRON PLANT	CH	360150N 1035105E	S082446
30	LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	UR	595129N 0303919E	S082554

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
30	MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	535020N 0273225E	S082365
30	MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	535344N 0273618E	S082367
30	PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	3955 N 11624 E	S082619
[REDACTED]				
30	POHAIWAN OFFSHORE OIL PROD/EXPLORATION EXPSN	CH	3859 N 11606 E	S082619
30	SHANTAN IRON PLANT	CH	384600N 1010645E	S082446
30	SHIHTSUISHAN IRON + STEEL PLANT	CH	391845N 1064715E	S082445
30	TEYANG ELECTRICAL EQUIPMENT PLANT	CH	310705N 1042239E	S082792
30	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	310830N 1042315E	
30	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	310830N 1042315E	
30	TZUKUNG LIGHT FABRICATION PLANT	CH	292150N 1044520E	
35	ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD	UR	534138N 0912342E	S082680
35	AD DALI TROOP CONCENTRATION INFANTRY BRIGADE	YS	134600N 0444340E	S082779
35	ADEN MILITARY ACTIVITY + TRAINING BRGD	YS	1245 N 04454 E	
35	AL GHAYDAH MILITARY CAMP INFANTRY BRIGADE	YS	161150N 0521120E	
35	AL KIRSH TROOP CONCENTRATION INFANTRY BRIGADE	YS	132150N 0442925E	
35	AL QAHIRAH ARMY BKS/HQ BM-21 VAR NORTH KOREAN	EG	300845N 0312715E	S082620
35	AL QUTAYFAH MILITARY VEH STGE TANK DECREASE	SY	333920N 0363200E	S082793
35	ALATUPO ARMY BARRACKS AL1	CH	432753N 0835440E	S082582
35	ALATUPO ARMY BARRACKS 2	CH	431810N 0840150E	S082581
[REDACTED]				
35	ASEB MILITARY EQUIPMENT SOVIET INCREASE	ET	1300 N 04242 E	S082780
35	ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	130030N 0424530E	S082782
35	ATAQ MILITARY CAMP HQ INFANTRY BRIGADE	YS	143237N 0464925E	S082779

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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35	BARIM ISLAND MILITARY ACTIVITY	YS	1239 N 04324 E	S082779
35	BAYHAN AL QISAB MILITARY BARRACKS INF BRIGADE	YS	144712N 0454306E	

[REDACTED]				
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35	BISSAU MILITARY COMPLEX SOVIET MILITARY EQUIP	PU	1152 N 01538 W	S082775
35	BISTRITA ARMY BKS MOUNTAIN INF BRGD NEW SRCH	RO	470800N 0243050E	S082502
35	BOLOGOYE AMMUNITION DPO DA1 KUZHENKINO SOUTH	UR	574121N 0335844E	S082626
35	BOMA MILITARY TRAINING FACILITY INFANTRY TRNG	AO	114820S 0200750E	S082781
35	CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV	UR	441213N 1330919E	S082629
35	CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV	UR	441213N 1330919E	
35	CHIAYUKUAN ARMY BARRACKS AL1	CH	395008N 0980541E	S082565
35	CHINFOSSU ARMY BARRACKS 1	CH	392802N 0984323E	S082568
35	CHIUCHUAN ARMOR INSTALLATION SW	CH	393853N 0982036E	S082566
35	CHIUCHUAN ARMY BARRACKS SOUTH 1	CH	394340N 0983040E	S082563
35	CHIUCHUAN MILITARY AREA 1	CH	3944 N 09831 E	S082562
35	CHIUCHUAN MILITARY INSTALLATION	CH	394550N 0983110E	S082567
35	CHIUCHUAN MILITARY INSTALLATION	CH	394600N 0983630E	S082564

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[REDACTED]				
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35	EL BUITRE MILITARY BARRACKS EQUIP BRAZILIAN	CI	183022S 0701722W	S082605
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	GEORGIYEVKA ARMY BKS AL1 SIGNAL UNIT IDENT	UR	491925N 0813210E	S082498
35	HANGAL MILITARY INSTL NORTH PROB NZHM-56 SRCH	MG	492938N 1041624E	S082630
35	HSINYUAN ARMY BARRACKS AL1 + HEADQUARTERS DIV	CH	433235N 0831800E	S082577
35	HSINYUAN ARMY BARRACKS 2	CH	433215N 0831555E	S082578
35	HSINYUAN MILITARY AREA AL1	CH	4332 N 08318 E	S082576
35	ILI ARMY BARRACKS AL1 DIVERSION BRIGADE PROB	UR	435232N 0770215E	S082846
35	ILI ARMY BARRACKS AL1 SIGNAL UNIT IDENT	UR	435232N 0770215E	S082498
35	JONAVA DIVERSION BRIGADE SEARCH	UR	5504 N 02421 E	S082846
35	KHABAROVSK ARTILLERY ENGINEER DEPOT D02	UR	482131N 1350219E	S082451
35	KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	495802N 0361706E	S082776
35	KHAWR AL UMAYRAH TROOP CONCENTRATION ING BRGD	YS	124100N 0440740E	S082779
35	KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	S082554
35	KRASNOARMEYSK FRAGMENTATION/MUN STATIC TESTS	UR	561200N 0381700E	S082532
35	KRASNOARMEYSK FRAGMENTATION/MUN TEST AREA	UR	561200N 0381700E	S082518
35	KRASNOYARSK ARMY BARRACKS AL2	UR	560252N 0925551E	S082451
35	KREMENETS ARMY BARRACKS AL1 SS-1 BRIGADE SRCH	UR	500900N 0254536E	S082627
35	KUERHTU ARMY BARRACKS AL1	CH	442936N 0834600E	S082572
35	KYZYL ARMY BARRACKS AL2	UR	514125N 0942500E	S082891

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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35	LICHIAITUNGCHUANG ARMY BARRACKS AL1	CH	390600N 1002100E	S082616
35	LINTSE ARMY BARRACKS AL2 + HQ INFANTRY DIV	CH	390901N 1001100E	S082615
35	LINTSE ARMY BARRACKS WEST AL3	CH	391010N 1000210E	S082617
35	LINTSE MILITARY AREA 1	CH	3909 N 10010 E	S082614

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35	LUSO MILITARY INSTALLATION SOV/CUBAN ACT POSS	AO	114510S 0195100E	S082603
35	MEIYAO ARMY BARRACKS NNW	CH	435950N 0851950E	S082575
35	MEIYAO ARMY BARRACKS WEST PAYINKOU AL2	CH	440040N 0845705E	S082573
35	MILITARY, AIR DEFENSE ACTIVITY PAOTOU/KUYANG	CH		S082454
35	MILITARY, BM-21 DEPLOYMENT SINO-SOVIET BORDER	UR		S082621
35	MILITARY, BRIDGING EQUIPMENT STORAGE RESERVES	PL		S082619
35	MILITARY, CONCEALMENT + DECEPTION ANALYSIS	UR		S082377
35	MILITARY, DEFENSES/LOGISTICS	AO		S082603
35	MILITARY, DEVELOPMENTS	UR		S082370
35	MILITARY, EQUIPMENT DELIVERIES MINIMAL	SO		S082918
35	MILITARY, GROUND FORCES O/B	YS		S082779
35	MILITARY, MULTIPLE ROCKET LNCHR SOV BM-21 VAR	KN		S082620
35	MILITARY, SELF-PROPELLED GUN HEAVY NEW	UR		S082458

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF [Redacted]

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	MILITARY, TANK REPLACEMENTS NEW	SY		S082793
35	MILITARY, T-64/T-72 TANKS SIGNATURES/PROD	UR		S082776
35	MILITARY, 39TH ARMY SHENYANG MILITARY REGION	CH		S082610
[Redacted]				
35	MUKACHEVO ARMY BARRACKS	UR	482500N 0224132E	S082451
35	MUKAYRIS MILITARY BARRACKS INFANTRY BRIGADE	YS	135532N 0454000E	S082779
[Redacted]				
35	NILOKO ARMY BARRACKS AL1	CH	434835N 0822845E	S082579
35	NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	575548N 0600526E	S082776
35	NOVOSIBIRSK BIVOUAC AREA POSS SEARCH	UR	550348N 0832130E	S082632
35	NOVOSIBIRSK MILITARY TRAINING AREA 1 FAC EXT	UR	544620N 0823145E	S082890
[Redacted]				
35	OSTROW MAZOWIECKA MILITARY INSTALLATION	PL	5249 N 02151 E	S082600
35	PAOTOU AIR DEFENSE ACTIVITY	CH	4035 N 11001 E	S082454
35	PAOTOU ARMORED VEHICLE PLANT 617	CH	404006N 1095423E	S082783
35	PECHORY ARMY BARRACKS AL1 DIVERSION BRGD PROB	UR	574932N 0273626E	S082846
35	PENGTULINGTSUN ARMY BARRACKS AL1 + HQ INF DIV	CH	441004N 0844805E	S082570
35	PENGTULINGTSUN MILITARY AREA	CH	4410 N 08448 E	S082569
35	PENGTULINGTSUN MILITARY BARRACKS AL2	CH	440905N 0844803E	S082571
35	PETROZAVODSK AMMUNITION DEPOT PADOZERO DA1	UR	615247N 0335756E	S082825

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	PETROZAVODSK ORDNANCE STORAGE DEPOT D01	UR	615000N 0341500E	S082771
35	PETROZAVODSK QUARTERMASTER DEPOT PEREVALKA	UR	614800N 0341817E	S082679
35	PRIMORSK DIVERSION BRIGADE SEARCH	UR	5444 N 02001 E	S082846
[REDACTED]				
35	SHACHINGTZO ARMY BARRACKS AL1	CH	390600N 1001610E	S082618
35	SOMERSET WEST EXPLOSIVES + AMMUNITION LDG PLT	SF	340500S 0184820E	S082499
35	SUEZ CANAL MILITARY TRAINING EXER. INCREASE	EG	3032 N 03221 E	S082609
35	SUEZ CANAL MILITARY TRAINING EXERCISES	EG	3032 N 03221 E	S082608
35	SUGUTRA ISLAND MILITARY ACTIVITY	YS	1238 N 05354 E	S082779
35	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	375920N 1123211E	S082368
35	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	211804N 1102429E	S082457
35	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	211804N 1102429E	S082778
[REDACTED]				
35	USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	434932N 1315650E	S082455
35	VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	484222N 0352259E	S082829
35	VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	484222N 0352259E	S082828
35	VOLNOYE ARMY BARRACKS SAMARA RIVER T-64 TANKS	UR	484419N 0351919E	S082828
[REDACTED]				
35	YUEHYATAI ARMY BARRACKS Sw AL1	CH	435745N 0853255E	S082574
[REDACTED]				
35	ZEKTA ARMY BARRACKS	CH	433315N 0830625E	S082580

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	CHINGMEN HYPERVELOCITY TEST RANGE PROB NEW	CH	310954N 1121100E	S082619
40	EMBA MTC	UR	483800N 0580300E	S082449
40	FEODOSIYA NAVAL MISSILE SUPT FAC SA-X-10 PROB	UR	450808N 0353337E	S082552
40	FEODOSIYA NAVAL MSL SUPT NAV SAM CMPNTS POSS	UR	450808N 0353337E	S082602
40	GNOYNO ASM SUPPORT FACILITY RAM A ACTIVITY	UR	505525N 0242640E	S082511
40	GRESK MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	531425N 0274225E	S082556
40	HSITSANGTZUCHIHCHU BALLISTIC MSL SITE SEARCH	CH	3500 N 08500 E	S082508
40	KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	583834N 0493709E	S082554
40	KOVR0V GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	562208N 0411934E	S082554
40	KUYBYSHEV AEROSPACE PRODUCTION PLANT 1	UR	531315N 0501804E	S082915
40	LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	UR	595129N 0303919E	S082554
40	LONING ICBM SITE 1 SILO U/C	CH	342136N 1115037E	S082509
40	LONING ICBM SITE 2 SILO U/C	CH	341713N 1113738E	S082509
40	MARCIENA MISSILE SUPPORT FACILITY RAM A ACT	UR	564650N 0260500E	S082511
40	MISSILES, AA-8	UR		S082358
40	MISSILES, ACTIVITY SUMMARY SALT RELATED	UR		S082593
40	MISSILES, AS-2	UR		S082535
40	MISSILES, AS-3 ENGINE MENSURATION	UR		S082524
40	MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS	UR		S082375

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EPP/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, DEVELOPMENTS	UR		S082370
40	MISSILES, ICBM TEST LOAD SIMULATOR NEW	UR		S082619
40	MISSILES, ICBM TYPE 3H SILO VULNERABILITY	UR		S082376
40	MISSILES, NAVAL GUIDED MISSILE TEST RANGES	UR		S082378
40	MISSILES, R+D/PRODUCTION FACILITIES	UR		S082554

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40	MISSILES, SAM MOBILIZATION ANALYSIS	UR		S082371
40	MISSILES, SA-X-10 NAVAL VERSION PROB	UR		S082552
40	MISSILES, SLBM NEW DIMENSIONS ESTIMATED	UR		S082460
40	MISSILES, SS-X-20 SYSTEM	UR		S082361
40	MISSILES, SS-16 RELATED BUILDINGS	UR		S082544
40	MISSILES, SS-16 RELATED CONSTRUCTION	UR		S082545
40	MISSILES, SS-19 SYSTEM	UR		S082374
40	MISSILES, 2-BAY GARAGE PEAK-ROOFED NEW U/C	UR		S082556
40	MOSKVA GUIDED MISSILE PRODUCTION PLANT 41	UR	554939N 0373023E	S082554
40	MOSKVA GUIDED MISSILE R+D/PROD PLT KHMKI 293	UR	555444N 0372703E	
40	MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNY	UR	555544N 0373027E	
40	NAUVORNAYA MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	483741N 0244205E	S082556
40	NOVOSYSOYEVKA IRBM SITE 2 SP GUN HVY NEW DPL	UR	440725N 1332810E	S082458
40	OSTROV SSM TRAINING PSTN 2 SS-11 EQUIP IDENT	UR	572324N 0280958E	S082919
40	PLESETSK MTC ICBM SITE 6 SS-16 RELATED CONST	UR	630057N 0405231E	S082545

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EPI/CAT.	SUBJECT	COUN	COORD	ACCN NO.
40	PLESETSK MTC MOBILE ICBM FAC 1 SS-16 RLTD ACT	UR	625858N 0404624E	
40	PLESETSK MTC MOBILE ICBM FAC 2 SS-16 RLTD ACT	UR	625117N 0403429E	
40	PLESETSK MTC SS-16 RELATED CONSTRUCTION	UR	625746N 0402346E	S082544
40	ROSS AAM SUPPORT FACILITY	UR	531756N 0242301E	S082448

40	SHUANGCHENGZU MTC PAD B2 RECON SAT LNCH PREP	CH	411828N 1001854E	S082619
40	SOKAL MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	502249N 0241817E	S082556
40	SPACE, ANTI-SATELLITE OPERATION	UR		S082368
40	SUNGLIN MTC NEW U/C	CH	281420N 1020149E	S082914
40	SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8	UR	565213N 0603707E	S082554
40	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	375920N 1123211E	S082368
40	TORVA MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	575600N 0260427E	S082556
40	WEICHENG CSS-1 IMPACT AREA SEARCH	CH	2732 N 10141 E	S082516
40	WUZHAI MTC SLBM ACTIVITY	CH	384950N 1113620E	S082368

55	NUCLEAR, SEISMIC SIGNALS HE SHOT POSS	UR		S082787
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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65	LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	5954 N 03023 E	S082823
65	MOSKVA OPTICAL-PHYSICAL MSRMTS RESEARCH INST	UR	5545 N 03737 E	S082601

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65	PHOTO, MOBILE PROCESSING UNITS	UR		S082370
65	PHOTO, RECONNAISSANCE SATELLITE LAUNCH PREP	CH		S082619
75	ABREK BUKHTA NAVAL BASE TARGET BARGE ACT	UR	425608N 1322515E	S082794
75	ADEN POL PORT LITTLE ADEN	YS	124544N 0445427E	S082750
75	ADEN PORT FACILITIES + NAVAL BASE	YS	124715N 0450027E	
75	ADEN PORT FACILITIES + NAVAL BASE	YS	124715N 0450027E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
75	ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	130030N 0424530E	S082782
75	DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	425400N 1322110E	S082794
75	DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	425400N 1322110E	
75	DURBAN PORT FACILITIES RESHEF CLASS PGG IDEMT	SF	295230S 0310230E	S082464
75	FEODOSIYA SHIPYARD YUZNAYA TOCHKA EXPANSION	UR	450712N 0352954E	S082452
75	GLIWICE PORT COMPLEX	PL	501930N 0183810E	S082826
75	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	S082368
75	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	
75	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	404309N 1205939E	
75	KALININGRAD SHIPYARD STATE PETYA CL FFL MODIF	UR	544131N 0202612E	S082786
75	MYS PINAGORIY/MURMANSK NAVAL FACS APPROACHES	UR	6904 N 03303 E	S082612
75	NAVAL DEVELOPMENTS	UR		S082370
75	PETROPAVLOVSK SUBMARINE BASE C CLASS SSGN	UR	525455N 1582952E	S082368
75	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	690145N 0330356E	S082613
75	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	690145N 0330356E	
75	SEVERODVINSK NAVAL BASE WEST SMOKE SCREEN	UR	643420N 0394551E	S082377
75	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	UR	643514N 0394907E	S082789
75	SHIPS, INSTRUMENTATION SHIPS POSS U/C	CH		S082368
75	SHIPS, NANUCHKA CLASS PGG PACIFIC FLEET DPL	UR		
75	SHIPS, NAVAL ACTIVITY SALT RELATED	UR		S082788
75	SHIPS, NAVAL ACTIVITY SUMMARY SALT RELATED	UR		S082607
75	SHIPS, PETYA-1/2/3 CL FFL SUB DETECTION SYS	UR		S082786
75	SHIPS, TARGET BARGE ACTIVITY VLADIVOSTOK	UR		S082794
75	SHIPS, Y CLASS SSBN SONAR ARRAY UNIQUE	UR		S082789

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
75	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	211804N 1102429E	S082457
75	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	211804N 1102429E	S082778
75	YALUNG NAVAL BASE	CH	181311N 1094146E	S082429
75	YALUNG NAVAL FACILITY NORTH PUG	CH	181530N 1094320E	S082430
85	BORISOV AVTOKOLONNA 2443	UR	541217N 0283031E	S082673
85	KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	495802N 0361706E	S082776
85	LENINGRAD AVTOKOLONNA 1104	UR	595919N 0301650E	S082674
85	LENINGRAD AVTOKOLONNA 1106	UR	595430N 0302151E	S082675
85	MINSK AVTOKOLONNA 2411	UR	535432N 0273105E	S082678
85	MINSK AVTOKOLONNA 2413	UR	535315N 0273540E	S082676
85	NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	575548N 0600526E	S082776
85	PETRUZAVODSK AVTOKOLONNA 1123	UR	614820N 0341710E	S082636
85	PETRUZAVODSK AVTOKOLONNA 1124	UR	616445N 0342500E	S082677
85	PETRUZAVODSK AVTOKOLONNA 1126	UR	614822N 0341743E	S082770
85	ROSTOV NA DONU AVTOKOLONNA 1500	UR	471605N 0394112E	S082681
85	SLOVECHNO RAILWAY CONSTRUCTION	UR	5138 N 02904 E	S082466
85	TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO		S082603
85	TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO		

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PART IV

Listing of Reports by Coordinates

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COORD	SUBJECT	COUN	ACCN NO.
085840N 0384753E	BOLE AIRFIELD COCK/CLASSIC/CUB/CURL/FISHBED	ET	S082463
1239 N 04324 E	BARIM ISLAND MILITARY ACTIVITY	YS	S082779
124100N 0440740E	KHAWR AL UMAYRAH TROOP CONCENTRATION ING BRGD	YS	
1245 N 04454 E	ADEN MILITARY ACTIVITY + TRAINING BRGD	YS	
124544N 0445427E	ADEN POL PORT LITTLE ADEN	YS	S082750
124715N 0450027E	ADEN PORT FACILITIES + NAVAL BASE	YS	
124715N 0450027E	ADEN PORT FACILITIES + NAVAL BASE	YS	
124940N 0450150E	ADEN AIRFIELD INTERNATIONAL	YS	
1238 N 05354 E	SUGUTRA ISLAND MILITARY ACTIVITY	YS	S082779
1300 N 04242 E	ASEB MILITARY EQUIPMENT SOVIET INCREASE	ET	S082780
130030N 0424530E	ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	S082782
130030N 0424530E	ASEB PORT FACILITIES MIL DELIVERIES SOVIET	ET	
130940N 0444630E	AL ANAD AIRFIELD	YS	S082750
132150N 0442925E	AL KIRSH TROOP CONCENTRATION INFANTRY BRIGADE	YS	S082779
134600N 0444340E	AD DALI TROOP CONCENTRATION INFANTRY BRIGADE	YS	
135532N 0454000E	MUKAYRIS MILITARY BARRACKS INFANTRY BRIGADE	YS	
144712N 0454306E	BAYHAN AL QISAB MILITARY BARRACKS INF BRIGADE	YS	
143237N 0464925E	ATAQ MILITARY CAMP HQ INFANTRY BRIGADE	YS	
161150N 0521120E	AL GHAYDAH MILITARY CAMP INFANTRY BRIGADE	YS	
181311N 1094146E	YALUNG NAVAL BASE	CH	S082429
181530N 1094320E	YALUNG NAVAL FACILITY NORTH PUG	CH	S082430
211804N 1102429E	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	S082457
211804N 1102429E	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT	CH	
211804N 1102429E	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	S082778
211804N 1102429E	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT	CH	
2248 N 10818 E	NANNING/KUANGCHOU MICROWAVE RADIO RELAY SYS	CH	S082500

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COORD	SUBJECT	COUN	ACCN NO.
2307 N 11315 E	KUANGCHOU/NANNING MICROWAVE RADIO RELAY SYS	CH	S082500
230728N 1131708E	KUANGCHOU TELEGRAPH BLDG EAST 1 PROB IDENT	CH	S082596
230755N 1131810E	KUANGCHOU ELECTRONICS ASSOC BLDG 3 PROB IDENT	CH	
230735N 1131800E	KUANGCHOU RADIO RELAY TML EAST 2 PROB IDENT	CH	
230853N 1131521E	KUANGCHOU RADIO RELAY STATION SOUTH	CH	S082357
231030N 1131735E	KUANGCHOU RADIO RELAY STATION NORTH POSS	CH	S082595
244530N 1025350E	LIANGWANGSHAN RADIO RELAY STATION	CH	S082598
244359N 1080529E	HOCHIH RADIO RELAY STATION	CH	S082585
251045N 1081045E	LINFUTSUI RADIO RELAY STATION	CH	S082355
262620N 1061715E	PINGPA AIRCRAFT MANUFACTURING PLANT SEARCH	CH	S082522
263700N 1173540E	CHIANGLO RADIO RELAY STATION SE	CH	S082588
2732 N 10141 E	WEICHENG CSS-1 IMPACT AREA SEARCH	CH	S082516
281420N 1020149E	SUNGLIN MTC NEW U/C	CH	S082914
292150N 1044520E	TZUKUNG LIGHT FABRICATION PLANT	CH	S082792
300845N 0312715E	AL GAHIRAH ARMY BKS/HQ BM-21 VAR NORTH KOREAN	EG	S082620
301453N 0322932E	KABRIT AIRFIELD CONSTRUCTION	EG	S082608
302005N 0321624E	FAID AIRFIELD CONSTRUCTION	EG	
3032 N 03221 E	SUEZ CANAL MILITARY TRAINING EXER INCREASE	EG	S082609
3032 N 03221 E	SUEZ CANAL MILITARY TRAINING EXERCISES	EG	S082608
305950N 1050935E	CHINHUACHEN RADIO RELAY STATION	CH	S082599

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COORD	SUBJECT	COUN	ACCN NO.
310705N 1042239E	TEYANG ELECTRICAL EQUIPMENT PLANT	CH	S082792
310830N 1042315E	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	
310830N 1042315E	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH	
312630N 1040935E	HANGWANGCHANG STEAM TURBINE PLANT	CH	
310954N 1121100E	CHINGMEN HYPERVELOCITY TEST RANGE PROB NEW	CH	S082619
333920N 0363200E	AL QUTAYFAH MILITARY VEH STGE TANK DECREASE	SY	S082793
340749N 1093431E	MUCHIAYEN RADIO RELAY STATION EAST BUNKERED	CH	S082583
341713N 1113738E	LONING ICBM SITE 2 SILO U/C	CH	S082509
342136N 1115037E	LONING ICBM SITE 1 SILO U/C	CH	
3500 N 08500 E	HSITSANGTZUCHIHCHU BALLISTIC MSL SITE SEARCH	CH	S082508
351457N 1090634E	SHIHWULIPU RADIO RELAY STATION NW BUNKERED	CH	S082356
362500N 1013830E	HUANGCHUNG RADIO RELAY STATION SE	CH	S082591
363242N 1013212E	HUANGCHUNG STEEL PRODUCTS PLANT	CH	S082447
363305N 1013215E	HUANGCHUNG IRON PLANT	CH	
364012N 1014008E	HSINING STEEL PLANT	CH	
364415N 1014557E	HSINING IRON PLANT	CH	
360150N 1035105E	LANCHOU IRON PLANT	CH	S082446
363520N 1092730E	YENAN RADIO RELAY STATION	CH	S082587
363600N 1092950E	YENAN TV TRANSMITTER STATION	CH	S082584
364600N 1115255E	LINGSHIH RADIO RELAY STATION BUNKERED	CH	S082586
374905N 0651235E	KERKI AIRFIELD POL STORAGE CAPACITY	UR	S082903
371540N 0690520E	PYADZH/AMU DARYA AIRFIELD	UR	S083017
373000N 1050545E	CHUNGWEI IRON PLANT	CH	S082445
371842N 1061651E	HUNGSUPAO RADIO RELAY STATION	CH	S082592

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
374130N 106055E	PINGENGPU RADIO RELAY STATION	CH	S082590
375920N 112321E	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	S082368
375920N 112321E	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION	CH	
374010N 1150300E	NINGCHIU RADIO RELAY STATION	CH	S082589
375721N 1263315E	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	S082023
375721N 1263315E	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL	KN	
382910N 0485015E	ASTARA RADIO RELAY STATION	UR	S082624
384525N 0485000E	LENKORAN TV RELAY STATION	UR	
384600N 1010645E	SHANTAN IRON PLANT	CH	S082446
382230N 1020505E	HOHSIPU IRON PLANT	CH	
384950N 1113620E	WUCHAI MTC SLBM ACTIVITY	CH	S082368
3859 N 11606 E	POHAIWAN OFFSHORE OIL PROD/EXPLORATION EXPSN	CH	S082619
390203N 0484740E	KYZYLAGACH RADIO RELAY STATION	UR	S082624
3913 N 04830 E	DZHALILABAD TV RELAY STATION	UR	
391540N 0485540E	KHOLKARAKASHLY RADIO RELAY STATION	UR	S082568
392520N 0491300E	BANK RADIO RELAY STATION	UR	
393720N 0490200E	SALYANY RADIO RELAY + RADIO COMMO STATION	UR	S082566
395635N 0492410E	ALYAT PRISTAN RADIO RELAY STATION	UR	
392802N 0984323E	CHINFOSSU ARMY BARRACKS 1	CH	S082568
393853N 0982036E	CHIUCHUAN ARMOR INSTALLATION SW	CH	S082566
394340N 0983040E	CHIUCHUAN ARMY BARRACKS SOUTH 1	CH	S082563
3944 N 09831 E	CHIUCHUAN MILITARY AREA 1	CH	S082562
394550N 0983110E	CHIUCHUAN MILITARY INSTALLATION	CH	S082567
394600N 0983630E	CHIUCHUAN MILITARY INSTALLATION	CH	S082564
394855N 0981723E	CHIUCHUAN IRON + STEEL PLANT	CH	S082446
394900N 0981440E	CHIUCHUAN IRON PLANT	CH	
395008N 0980541E	CHIAYUKUAN ARMY BARRACKS AL1	CH	S082565

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
390600N 1001610E	SHACHINGTZU ARMY BARRACKS AL1	CH	S082618
390600N 1002100E	LICHIAITUNGCHUANG ARMY BARRACKS AL1	CH	S082616
3909 N 10010 E	LINTSE MILITARY AREA 1	CH	S082614
390901N 1001100E	LINTSE ARMY BARRACKS AL2 + HQ INFANTRY DIV	CH	S082615
391010N 1000210E	LINTSE ARMY BARRACKS WEST AL3	CH	S082617
390958N 1063925E	HUNGKUNTZU IRON PLANT	CH	S082445
391845N 1064715E	SHIHTSUIZHAN IRON + STEEL PLANT	CH	
391240N 1144210E	LAIYUAN RADIO RELAY STATION SOUTH BUNKERED	CH	S082597
3955 N 11624 E	PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	S082619
3955 N 11624 E	PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	CH	
400020N 0492320E	DUVANNYY RADIO RELAY STATION SOUTH	UR	S082624
402332N 0655912E	NURATA TROPOSCATTER STATION	UR	S082520
4020 N 06742 E	CHIMKURGAN RADIO RELAY FACILITIES SEARCH	UR	
4048 N 06957 E	ALMALKYK RADIO RELAY FACILITIES SEARCH	UR	
404307N 0700537E	ADRASMAN RADIO RELAY STATION NE	UR	
404604N 0995421E	TIENTSUNGTAWAN SSM TRACKING FACILITY	CH	S082920
404006N 1095423E	PAOTOU ARMORED VEHICLE PLANT 617	CH	S082783
4035 N 11001 E	PAOTOU AIR DEFENSE ACTIVITY	CH	S082454
404309N 1205939E	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	S082368
404309N 1205939E	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	
404309N 1205939E	HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C	CH	
411802N 0691904E	TASHKENT AIRFRAME PLT B CHKALOV 84 CONST NEW	UR	S082691
412820N 0693210E	CHIRCHIK AIRFIELD TALL KING AW RADAR FACILITY	UR	S082451
411828N 1001854E	SHUANGCHENGZU MTC PAD B2 RECON SAT LNCH PREP	CH	S082619
424927N 1245527E	ANMIN RADIO RELAY STATION BUNKERED	CH	S082354

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
422552N 1263521E	CHINGYU MTC TRACKING FACILITY WNW	CH	S082523
425400N 1322110E	DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	S082794
425400N 1322110E	DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT	UR	
425608N 1322515E	ABREK BUKHTA NAVAL BASE TARGET BARGE ACT	UR	
435232N 0770215E	ILI ARMY BARRACKS AL1 SIGNAL UNIT IDENT	UR	S082498
435232N 0770215E	ILI ARMY BARRACKS AL1 DIVERSION BRIGADE PROB	UR	S082846
434835N 0822845E	NILOKO ARMY BARRACKS AL1	CH	S082579
432753N 0835440E	ALATUPO ARMY BARRACKS AL1	CH	S082582
433215N 0831555E	HSINYUAN ARMY BARRACKS 2	CH	S082578
433235N 0831800E	HSINYUAN ARMY BARRACKS AL1 + HEADQUARTERS DIV	CH	S082577
4332 N 08318 E	HSINYUAN MILITARY AREA AL1	CH	S082576
433315N 0830625E	ZEKTA ARMY BARRACKS	CH	S082580
431810N 0840150E	ALATUPO ARMY BARRACKS 2	CH	S082581
435745N 0853255E	YUEHYATAI ARMY BARRACKS SW AL1	CH	S082574
435950N 0851950E	MEIYAO ARMY BARRACKS NNW	CH	S082575
434932N 1315650E	USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	S082455
434932N 1315650E	USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR	
435425N 1315547E	USSURIYSK/VOZDVIZHENKA AIRFIELD BADGER O/B	UR	S083019
443437N 0333407E	SEVASTOPOL RADIO RELAY + TV STATION SE	UR	S082594
443437N 0333407E	SEVASTOPOL RADIO RELAY + TV STATION SE	UR	
443545N 0333130E	SEVASTOPOL RADIO RELAY + TV CENTER	UR	
443545N 0333130E	SEVASTOPOL RADIO RELAY + TV CENTER	UR	
445930N 0333740E	NIKOLAYEVKA RADIO COMMO RCVR/RADIO RELAY STA	UR	
442700N 0340300E	YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	
442700N 0340300E	YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA	UR	
442920N 0340140E	YALTA RADIO RELAY STATION WEST	UR	
442950N 0342410E	ALUSHTA RADIO RELAY STATION	UR	

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
443112N 0341455E 445636N 0340638E	YALTA RADIO RELAY STATION NE SIMFEROPOL TV CENTER	UR UR	
442936N 0834600E	KUERHTU ARMY BARRACKS AL1	CH	S082572
440040N 0845705E	MEIYAO ARMY BARRACKS WEST PAYINKOU AL2	CH	S082573
440905N 0844803E	PENGTULINGTSUN MILITARY BARRACKS AL2	CH	S082571
441004N 0844805E	PENGTULINGTSUN ARMY BARRACKS AL1 + HQ INF DIV	CH	S082570
4410 N 08448 E	PENGTULINGTSUN MILITARY AREA	CH	S082569
441000N 0875940E	FOUKANG INSTRUMENTATION SITE MOBILE IDENT	CH	S082920
440130N 1314545E	GALENKI ESV TRACKING/MOLNIYA FACIL 4-DISH ANT	UR	S082703
443647N 1325302E	SPASSK DALNIY AIRFIELD EAST BADGER TU-16 O/B	UR	S083019
440725N 1332810E	NOVOSYSOYEVKA IRBM SITE 2 SP GUN HVY NEW DPL	UR	S082458
441213N 1330919E 441213N 1330919E	CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV	UR UR	S082629
451325N 0330955E	YEVATORIYA DEEP SPACE TRKG FAC 4-DISH ANT	UR	S082703
450712N 0352954E	FEODOSIYA SHIPYARD YUZNAYA TOCHKA EXPANSION	UR	S082452
450808N 0353337E	FEODOSIYA NAVAL MISSILE SUPT FAC SA-X-10 PROB	UR	S082552
450808N 0353337E	FEODOSIYA NAVAL MSL SUPT NAV SAM CMPNTS POSS	UR	S082602

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454840N 0733404E	SARY SHAGAN MTC COMPLEX D EGG HEAD RADAR	UR	S082790
455338N 0733727E	SARY SHAGAN MTC ESV TRACKING/MOLNIYA 4-DISH	UR	S082703
4637 N 03305 E	KHERSON BOMBING RANGE SEARCH	UR	S082697
462629N 0725108E	SARY SHAGAN MTC COMPLEX F ELCT FAC SH-4 LNCHR	UR	S082791

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
470800N 0243050E	BISTRITA ARMY BKS MOUNTAIN INF BRGD NEW SRCH	RO	S082502
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELLS	UR	S082533
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	S082514
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR	UR	S082538
471150N 0385220E	TAGANROG AIRFRAME PLT 86 CANDID/MOSS MSRMTS	UR	S082503
471516N 0394318E	ROSTOV AIRFRAME PLANT 168 CONSTRUCTION NEW	UR	S082690
471605N 0394112E	ROSTOV NA DONU AVTOKOLONNA 1500	UR	S082681
481013N 0171250E	BRATISLAVA/IVANKA AIRFIELD RUNWAY COMPOSITION	CZ	S083025
484009N 0211435E	KOSICE/BARCA AIRFIELD RUNWAY COMPOSITION	CZ	S083018
482500N 0224132E	MUKACHEVO ARMY BARRACKS	UR	S082451
483741N 0244205E	NADVORNAYA MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	S082556
484222N 0352259E	VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	S082829
484222N 0352259E	VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	UR	
484419N 0351919E	VOLNOYE ARMY BARRACKS SAMARA RIVER T-64 TANKS	UR	S082828
483600N 0580300E	EMBA MTC	UR	S082449
482131N 1350219E	KHABAROVSK ARTILLERY ENGINEER DEPOT D02	UR	S082451
482745N 1350907E	KHABAROVSK AIRFIELD BADGER TU-16 O/B	UR	S083019
494316N 0140606E	DLOUHA LHOTA AIRFIELD RUNWAY COMPOSITION	CZ	S083030
490958N 0160728E	NAMEST NAD OSLAVOU AIRFIELD RWY COMPOSITION	CZ	S083014
490149N 0172628E	KUNOVICE AIRFIELD RUNWAY COMPOSITION	CZ	S083028
490428N 0201426E	POPRAD/TATRY AIRFIELD RUNWAY COMPOSITION	CZ	S083022
491443N 0234726E	STRYY AIRFIELD BADGER TU-16 O/B	UR	S083019

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
494749N 0300135E	BELAYA TSEKOV AIRFIELD BADGER TU-16 O/B	UR	
493740N 0342923E	POLTAVA AIRFIELD BADGER TU-16 O/B	UR	
495802N 0361706E	KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	S082776
495802N 0361706E	KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	UR	
494021N 0725909E	KARAGANDA AIRFIELD SW	UR	S082902
[REDACTED]			
491925N 0813210E	GEORGIYEVKA ARMY BKS AL1 SIGNAL UNIT IDENT	UR	S082498
492938N 1041624E	HANGAL MILITARY INSTL NORTH PROB NZHM-56 SRCH	MG	S082630
[REDACTED]			
501211N 0125457E	KARLOVY VARY AIRFIELD RUNWAY COMPOSITION	CZ	S083029
[REDACTED]			
502219N 0133523E	ZATEC AIRFIELD RUNWAY COMPOSITION	CZ	S083020
500604N 0141600E	PRAHA/RUZNYE AIRFIELD RUNWAY COMPOSITION	CZ	S083024
501305N 0142344E	KLECANY/VODOCHODY AIRFIELD RUNWAY COMPOSITION	CZ	S083021
501410N 0145520E	MILOVICE AIRFIELD RUNWAY COMPOSITION	CZ	S083026
503713N 0144359E	MIMON AIRFIELD RUNWAY COMPOSITION	CZ	S083027
500053N 0154420E	PARDUBICE AIRFIELD RUNWAY COMPOSITION	CZ	S083015
501508N 0155050E	HRADEC KRALOVE AIRFIELD RUNWAY COMPOSITION	CZ	S083023
501930N 0183810E	GLIWICE PORT COMPLEX	PL	S082826
502249N 0241817E	SOKAL MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	S082556
505525N 0242640E	GNOYNO ASM SUPPORT FACILITY RAM A ACTIVITY	UR	S082511

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
500900N 0254536E	KREMENETS ARMY BARRACKS AL1 SS-1 BRIGADE SRCH	UR	S082627
500933N 0284419E	ZHITOMIR/SKOMOROKHI AIRFIELD BLINDER TU-22	UR	S082700
5015 N 03030 E	KIYEVSKAYA OBLAST CIVIL DEFENSE MEASURES	UR	S082444
503434N 0321901E	PRILUKI AIRFIELD BADGER TU-16 O/B	UR	S083019
501500N 0781500E	SEMIPALATINSK NWPG HE EFFECTS TEST PREP	UR	S082555
504500N 0783100E	SEMIPALATINSK NWPG MAIN SUPT CPLX HE TEST	UR	
501132N 1293006E	ZAVITINSK AIRFIELD NE BADGER TU-16 O/B	UR	S083019

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
[Redacted]			
5138 N 02904 E	SLOVECHNO RAILWAY CONSTRUCTION	UR	S082466
510519N 031520E	NEZHIN AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	S082700
513819N 039151E	VORONEZH AIRFRAME PLANT 64 CONSTRUCTION NEW	UR	S082638
512948N 045570E	SARATOV AIRFRAME PLANT 292	UR	S082554
5130 N 04615 E	ENGELS BOMBING RANGE SEARCH	UR	S082696
511503N 051254E	URALSK AIRFIELD NON-OPERATIONAL	UR	S082774
514125N 094250E	KYZYL ARMY BARRACKS AL2	UR	S082891
515054N 107433E	ULAN UDE AIRFIELD EAST	UR	S082553
515123N 107434E	ULAN UDE AIRFRAME PLANT 99	UR	
515223N 107565E	ULAN UDE ESV TRACKING FAC 4-DISH ANT CLUSTER	UR	S082703

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TOP SECRET CHESS RUFF

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COORD

SUBJECT

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5249 N 02151 E	OSTROW MAZOWIECKA MILITARY INSTALLATION	PL	S082600
521824N 0310947E	GOMEL/PRIBYTKI AIRFIELD BLINDER TU-22 DPL	UR	S082700
521824N 0310947E	GOMEL/PRIBYTKI AIRFIELD BADGER TU-16 O/B	UR	S083019
524115N 0584230E	SIBAY AIRFIELD	UR	S082905
521035N 0611045E	DZHETYGARA TV + RADIO RELAY STATION	UR	S082622
521035N 0611045E	DZHETYGARA TV + RADIO RELAY STATION	UR	
522730N 0614501E	ORDZHONIKIDZE RADIO RELAY STATION	UR	
523220N 0622930E	STEPNOY TV + RADIO RELAY STATION	UR	
523220N 0622930E	STEPNOY TV + RADIO RELAY STATION	UR	
524105N 0625535E	TOBOL RADIO RELAY STATION	UR	
525830N 0630530E	RUDNYY RADIO RELAY STATION	UR	
525020N 0665540E	RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	S082633
525020N 0665540E	RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	UR	

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
522718N 0681117E	NOVOKRONSHADSKOYE RADIO RELAY STATION	UR	
525454N 1033434E	BELAYA AIRFIELD BADGER TU-16 O/B	UR	S083019
525455N 1582952E	PETROPAVLOVSK SUBMARINE BASE C CLASS SSGN	UR	S082368

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531756N 0242301E	ROSS AAM SUPPORT FACILITY	UR	S082448
531810N 0242206E	ROSS AIRFIELD	UR	
531816N 0242206E	ROSS AIRFIELD GCA SITE	UR	
531919N 0242200E	ROSS AIRFIELD AW RADAR FACILITY	UR	
530542N 0260254E	BARANOVICHI AIRFIELD BLINDER TU-22 DEPLOYMENT	UR	S082700
530542N 0260254E	BARANOVICHI AIRFIELD BADGER TU-16 O/B	UR	S083019
531425N 0274225E	GRESK MRBM SITE 1 2-BAY GARAGE NEW IDENT	UR	S082556
534626N 0273442E	MINSK/MACHULISHCHE AIRFIELD BLINDER TU-22 DPL	UR	S082700
535020N 0273225E	MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	S082365
535020N 0273225E	MINSK LIGHT ENGINEERING IND CIVIL DEF SHLTR	UR	
535349N 0273353E	MINSK CIVIL DEFENSE	UR	S082366
535315N 0273540E	MINSK AVTOKOLONNA 2413	UR	S082676
535344N 0273618E	MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	S082367
535344N 0273618E	MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR	UR	
535432N 0273105E	MINSK AVTOKOLONNA 2411	UR	S082678

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
530610N 0291230E	BOBRUYSK AIRFIELD BADGER TU-16 O/B	UR	S083019
[REDACTED]			
531203N 0501642E	KUYBYSHEV AIRCRAFT ENG PLT FRUNZE FLOORSPACE	UR	S082686
531300N 0501814E	KUYBYSHEV AIRFRAME PLANT LENIN 18 CONST NEW	UR	S082637
531315N 0501804E	KUYBYSHEV AEROSPACE PRODUCTION PLANT 1	UR	S082915
531337N 0634000E	KUSTANAY RADIO RELAY + TV RELAY STATION	UR	S082622
531337N 0634000E	KUSTANAY RADIO RELAY + TV RELAY STATION	UR	S082622
534440N 0662927E	TIMIRYAZEVO TV BROADCASTING STATION PROB	UR	S082633
530300N 0672835E	ANDREYEVKA RADIO RELAY STATION	UR	
531315N 0684610E	SHALKAR RADIO RELAY STATION	UR	
531625N 0680723E	VOLDARSKOYE RADIO RELAY STATION	UR	
531720N 0692150E	KOKCHETAV AM BROADCASTING STATION	UR	
534138N 0912342E	ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD	UR	S082680
532820N 1254741E	MAGDAGACHI AIRFIELD HELICOPTER REGIMENTS	UR	S082631
530546N 1582039E	POGRANICHNYY ESV TRACKING/MOLNIYA 4-DISH ANT	UR	S082703
[REDACTED]			
544131N 0202612E	KALININGRAD SHIPYARD STATE PETYA CL FFL MODIF	UR	S082786
5444 N 02001 E	PRIMORSK DIVERSION BRIGADE SEARCH	UR	S082846
541217N 0283031E	BORISOV AVTOKOLONNA 2443	UR	S082673
5415 N 02842 E	BORISOV U/I CLEARING/CONSTRUCTION AREA	UR	S082462
542622N 0301747E	ORSHA AIRFIELD SW BADGER TU-16 O/B	UR	S083019
541327N 0342208E	ANISOVO GORODISHCHE AIRFIELD BADGER TU-16 O/B	UR	
543830N 0393412E	RYAZAN/DYAGILEVO AIRFIELD BADGER TU-16 O/B	UR	
545455N 0390220E	LUKHOVITSY AIRFRAME PLANT FLOORSPACE	UR	S082692

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
544735N 0560740E	UFA AIRCRAFT ENGINE PLANT A26 FLOORSPACE	UR	S082685
545705N 0613030E	KORKINO AIRFIELD	UR	S082901
544620N 0823145E	NOVOSIBIRSK MILITARY TRAINING AREA 1 FAC EXT	UR	S082890
5504 N 02421 E	JONAVA DIVERSION BRIGADE SEARCH	UR	S082846
551704N 0373350E	ROMANTSEVO RADIO COMMUNICATONS RCVR SITE B	UR	S082521
5545 N 03737 E	MOSKVA OPTICAL-PHYSICAL MSRMTS RESEARCH INST	UR	S082601
554625N 0374303E	MOSKVA AIRCRAFT ENGINE PLANT 45 FLOORSPACE	UR	S082684
554703N 0373249E	MOSKVA AIRFRAME PLANT 30 CONSTRUCTION NEW	UR	S082699
554939N 0373023E	MOSKVA GUIDED MISSILE PRODUCTION PLANT 41	UR	S082554
555444N 0372703E	MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	UR	
555544N 0373027E	MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNYY	UR	
555544N 0373027E	MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNYY	UR	
555644N 0375803E	MOSKVA/SHCHELKOVO ESV TRACKING FAC 4-DISH ANT	UR	S082703
555119N 0490231E	KAZAN AIRFRAME PLANT B387 FLOORSPACE	UR	S082688
555119N 0490231E	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	S082539
555119N 0490231E	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU	UR	S082505
554749N 0520755E	YELABUGA AIRFIELD NORTH	UR	S083016
551535N 0611758E	CHELYABINSK/BAKAL AIRFIELD	UR	S082906
550348N 0832130E	NOVOSIBIRSK BIVOUAC AREA POSS SEARCH	UR	S082632
564650N 0260500E	MARCIENA MISSILE SUPPORT FACILITY RAM A ACT	UR	S082511

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COORD	SUBJECT	COUN	ACCN NO.
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561200N 0381700E	KRASNOARMEYSK FRAGMENTATION/MUN TEST AREA	UR	S082518
561200N 0381700E	KRASNOARMEYSK FRAGMENTATION/MUN STATIC TESTS	UR	S082532

25X1

562208N 0411934E	KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	S082554
562208N 0411934E	KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	
562208N 0411934E	KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2	UR	
561824N 0435945E	GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	S082824
561824N 0435945E	GORKIY RADIO RELAY/TV/FM BROADCASTING CTR	UR	
564815N 0443130E	SEME NOV RADIO RELAY STATION	UR	
565213N 0603707E	SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8	UR	S082554
560252N 0925551E	KRASNOYARSK ARMY BARRACKS AL2	UR	S082451
561823N 1605200E	KLYUCHI COMSAT STATION	UR	S082623
575600N 0260427E	TORVA MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	UR	S082556
574932N 0273626E	PECHORY ARMY BARRACKS AL1 DIVERSION BRGD PROB	UR	S082846
572324N 0280958E	OSTROV SSM TRAINING PSTN 2 SS-11 EQUIP IDENT	UR	S082919
574121N 0335844E	BOLOGOYE AMMUNITION DPO DA1 KUZHENKINO SOUTH	UR	S082626
573900N 0340600E	BORISOVSKIY BOMBING RANGE SEARCH	UR	S082694
570535N 0450840E	KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	S082824
570535N 0450840E	KRASNYE BAKI RADIO RELAY + TV BDCST STATION	UR	
572910N 0455405E	TEM TA RADIO RELAY STATION	UR	
573940N 0463920E	SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	UR	
573940N 0463920E	SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	UR	
575848N 0561508E	PERM AIRCRAFT ENGINE PLT STALIN 19 FLOORSPACE	UR	S082693
575848N 0561508E	PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	S082519

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COORD	SUBJECT	COUN	ACCN NO.
575848N 0561508E	PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	UR	S082540
575848N 0561508E	PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 1	UR	S082526
575848N 0561508E	PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 2	UR	S082527
575548N 0600526E	NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	S082776
575548N 0600526E	NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	UR	
582417N 0264624E	TARTU AIRFIELD BADGER TU-16 O/B	UR	S083019
580822N 0301914E	SOLTSY AIRFIELD BADGER TU-16 O/B	UR	
580307N 0384833E	RYBINSK AIRCRAFT ENGINE PLANT 36 FLOORSPACE	UR	S082683
583834N 0493709E	KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	S082554
583834N 0493709E	KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32	UR	
582011N 0825257E	KOLPASHEVO ESV TRACKING FACILITY 4-DISH ANT	UR	S082703
582643N 0921604E	YENISEYSK ESV TRACKING/MOLNIYA FAC 4-DISH ANT	UR	
5924 N 02716 E	KOHTLA JARVE TV RELAY + FM BROADCASTING STA	UR	S082625

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595129N 0303919E	LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	UR	S082554
595129N 0303919E	LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232	UR	
595233N 0301406E	LENINGRAD SHIPYARD ZHDANOV 190 4-DISH ANT	UR	S082703
595430N 0302151E	LENINGRAD AVTOKOLONNA 1106	UR	S082675
5954 N 03023 E	LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	S082823
5954 N 03023 E	LENINGRAD R+D FACILITIES COMMO FACILS SEARCH	UR	
595919N 0301650E	LENINGRAD AVTOKOLONNA 1104	UR	S082674
592400N 0364500E	BABAYEVO BOMBING RANGE SEARCH	UR	S082689

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COORD	SUBJECT	COUN	ACCN NO.
615247N 0335756E	PETROZAVODSK AMMUNITION DEPOT PADOZERO DA1	UR	S082825
614822N 0341743E	PETROZAVODSK AVTOKOLONNA 1126	UR	S082770
614820N 0341710E	PETROZAVODSK AVTOKOLONNA 1123	UR	S082636
614800N 0341817E	PETROZAVODSK QUARTERMASTER DEPOT PEREVALKA	UR	S082679
615000N 0341500E	PETROZAVODSK ORDNANCE STORAGE DEPOT D01	UR	S082771
616445N 0342500E	PETROZAVODSK AVTOKOLONNA 1124	UR	S082677
625117N 0403429E	PLESETSK MTC MOBILE ICBM FAC 2 SS-16 RLTD ACT	UR	S082545
625117N 0403429E	PLESETSK MTC MOBILE ICBM FICIL 2 ELECTRONICS	UR	S082517
625357N 0403329E	PLESETSK MTC ESV TRACKING FACILITY	UR	S082512
625357N 0403329E	PLESETSK MTC ESV TRACKING FACILITY	UR	S082542
625423N 0404715E	PLESETSK MTC SPACE SITE 27 ELECTRONICS	UR	S082517
625746N 0402346E	PLESETSK MTC SS-16 RELATED CONSTRUCTION	UR	S082544
625858N 0404624E	PLESETSK MTC MOBILE ICBM FAC 1 SS-16 RLTD ACT	UR	S082545
630057N 0405231E	PLESETSK MTC ICBM SITE 6 SS-16 RELATED CONST	UR	
643320N 0394600E	SEVERODVINSK COMSAT STA 4-DISH ANT CLUSTER	UR	S082703
643420N 0394551E	SEVERODVINSK NAVAL BASE WEST SMOKE SCREEN	UR	S082377
643514N 0394907E	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	UR	S082789
642252N 0404328E	ARKHANGELSK/KHOLM AIRFIELD COOT IL-18 MODIF	UR	S082805
644406N 1774428E	ANADYR/UGOLNYYE KOPI AIRFIELD BADGER O/B	UR	S083019
683030N 0331720E	TAYBOLA AIRFIELD NW	UR	S082908
6823 N 06530 E	KHALMER YU BOMBING RANGE SEARCH	UR	S082698
690145N 0330356E	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	S082613

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COORD	SUBJECT	COUN	ACCN NO.
690145N 0330356E	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT	UR	
6904 N 03303 E	MYS PINAGORIY/MURMANSK NAVAL FACCS APPROACHES	UR	S082612
7057 N 12725 E	CHEKUROVKA BOMBING RANGE SEARCH	UR	S082695
7157 N 12705 E	TIKSI BOMBING RANGE SEARCH	UR	S082701
1152 N 01538 W 115330N 0154030W	BISSAU MILITARY COMPLEX SOVIET MILITARY EQUIP BISSAU AIRFIELD HIP C MI-8 IDENTIFICATION	PU PU	S082775
114510S 0195100E	LUSO MILITARY INSTALLATION SOV/CUBAN ACT POSS	AO	S082603
114820S 0200750E	BOMA MILITARY TRAINING FACILITY INFANTRY TRNG	AO	S082781
295230S 0310230E	DURBAN PORT FACILITIES RESHEF CLASS PGG IDEMT	SF	S082464
340500S 0184820E	SOMERSET WEST EXPLOSIVES + AMMUNITION LDG PLT	SF	S082499
1209 S 07701 W 183022S 0701722W	LIMA EW RADARS SOVIET IDENTIFICATION EL BUITRE MILITARY BARRACKS EQUIP BRAZILIAN	PE CI	S082605

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PART V
Listing of Reports by WAC/BE Number

TOP SECRET CHESS RUFF

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
400004	AIRCRAFT, CHECH B			UR	S082525
520005	ELECTRONICS, FLAT FACE EW/ACQUISITION RADAR			UR	S082363
520623	ELECTRONICS, TEAM WORK RADAR SYSTEM			CH	S082459
530228	ELECTRONICS, MOLNIYA-1 ANT 12-ELEMENT HELICAL			UR	S082359
610052	AIRCRAFT, BADGER C TU-16 WEAPONS RACK MODIF			UR	S082529
610106	AIRCRAFT, COOT IL-18 MODIFIED			UR	S082805
610126	AIRCRAFT, MOSS TU-126 MEASUREMENTS			UR	S082503
610321	AIRCRAFT, CANDID IL-76 MEASUREMENTS			UR	
610654	AIRCRAFT, RAM A			UR	S082528
670731	SHIPS, Y CLASS SSBN SONAR ARRAY UNIQUE			UR	S082789
680034	MISSILES, AS-2			UR	S082535
680035	MISSILES, AS-3 ENGINE MENSURATION			UR	S082524
680482	MISSILES, SS-X-20 SYSTEM			UR	S082361
680484	MISSILES, SS-19 SYSTEM			UR	S082374
680505	MISSILES, AA-8			UR	S082358
	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT		690145N 0330356E	UR	S082613
	ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT		690145N 0330356E	UR	
	MYS PINAGORIY/MURMANSK NAVAL FACS APPROACHES		6904 N 03303 E	UR	S082612
	TAYBOLA AIRFIELD NW		683030N 0331720E	UR	S082908
	ANADYR/UGOLNYYE KOPI AIRFIELD BADGER O/B		644406N 1774428E	UR	S083019
	SEVERODVINSK NAVAL BASE WEST SMOKE SCREEN		643420N 0394551E	UR	S082377
	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN		643514N 0394907E	UR	S082789
	SEVERODVINSK COMSAT STA 4-DISH ANT CLUSTER		643320N 0394600E	UR	S082703

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	ARKHANGELSK/KHOLM AIRFIELD COOT IL-18 MODIF		642252N 0404328E	UR	S082805
	PETROZAVODSK QUARTERMASTER DEPOT PEREVALKA		614800N 0341817E	UR	S082679
	PLESETSK MTC ICBM SITE 6 SS-16 RELATED CONST		630057N 0405231E	UR	S082545
	PETROZAVODSK AMMUNITION DEPOT PADOZERO DA1		615247N 0335756E	UR	S082825
	PETROZAVODSK ORDNANCE STORAGE DEPOT D01		615000N 0341500E	UR	S082771
	PLESETSK MTC ESV TRACKING FACILITY		625357N 0403329E	UR	S082512
	PLESETSK MTC ESV TRACKING FACILITY		625357N 0403329E	UR	S082542
	PLESETSK MTC SPACE SITE 27 ELECTRONICS		625423N 0404715E	UR	S082517
	PETROZAVODSK AVTOKOLONNA 1123		614820N 0341710E	UR	S082636
	PETROZAVODSK AVTOKOLONNA 1124		616445N 0342500E	UR	S082677
	PETROZAVODSK AVTOKOLONNA 1126		614822N 0341743E	UR	S082770
	PLESETSK MTC MOBILE ICBM FAC 1 SS-16 RLTD ACT		625858N 0404624E	UR	S082545
	PLESETSK MTC MOBILE ICBM FACIL 2 ELECTRONICS		625117N 0403429E	UR	S082517
	PLESETSK MTC MOBILE ICBM FAC 2 SS-16 RLTD ACT		625117N 0403429E	UR	S082545
	PLESETSK MTC SS-16 RELATED CONSTRUCTION		625746N 0402346E	UR	S082544
	KLYUCHI COMSAT STATION		561823N 1605200E	UR	S082623
	LENINGRAD SHIPYARD ZHDANOV 190 4-DISH ANT		595233N 0301406E	UR	S082703
	PECHORY ARMY BARRACKS AL1 DIVERSION BRGD PROB		574932N 0273626E	UR	S082846
	TORVA MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT		575600N 0260427E	UR	S082556

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LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232
 LENINGRAD MACHINE + MISSILE PLT BOLSHEVIK 232
 KOHTLA JARVE TV RELAY + FM BROADCASTING STA
 OSTROV SSM TRAINING PSTN 2 SS-11 EQUIP IDENT

595129N 0303919E UR S082554
 595129N 0303919E UR
 5924 N 02716 E UR S082625
 572324N 0280958E UR S082919

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MARCIENA MISSILE SUPPORT FACILITY RAM A ACT
 LENINGRAD AVTOKOLONNA 1104
 LENINGRAD AVTOKOLONNA 1106
 SOLTSY AIRFIELD BADGER TU-16 O/B
 TARTU AIRFIELD BADGER TU-16 O/B

564650N 0260500E UR S082511
 595919N 0301650E UR S082674
 595430N 0302151E UR S082675
 580822N 0301914E UR S083019
 582417N 0264624E UR

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KRASNOARMEYSK FRAGMENTATION/MUN TEST AREA
 KRASNOARMEYSK FRAGMENTATION/MUN STATIC TESTS
 RYBINSK AIRCRAFT ENGINE PLANT 36 FLOORSPACE
 BOLOGOYE AMMUNITION DPO DAI KUZHENKINO SOUTH
 GORKIY RADIO RELAY/TV/FM BROADCASTING CTR
 GORKIY RADIO RELAY/TV/FM BROADCASTING CTR
 KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2
 KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2
 KOVROV GUIDED MISSILE/MACHINE TOOL/ARMS PLT 2
 KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32
 KIROV MISSILE + AIRCRAFT COMPONENTS PLANT 32

561200N 0381700E UR S082518
 561200N 0381700E UR S082532
 580307N 0384833E UR S082683
 574121N 0335844E UR S082626
 561824N 0435945E UR S082824
 561824N 0435945E UR
 562208N 0411934E UR S082554
 562208N 0411934E UR
 562208N 0411934E UR
 583834N 0493709E UR
 583834N 0493709E UR

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TEMTA RADIO RELAY STATION	572910N 0455405E	UR	S082824
SEменов RADIO RELAY STATION	564815N 0443130E	UR	
KRASNYYE BAKI RADIO RELAY + TV BDCST STATION	570535N 0450840E	UR	
KRASNYYE BAKI RADIO RELAY + TV BDCST STATION	570535N 0450840E	UR	
SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	573940N 0463920E	UR	
SHAKHUNYA RADIO RELAY + TV BROADCASTING STA	573940N 0463920E	UR	
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	575548N 0600526E	UR	S082776
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD	575548N 0600526E	UR	
PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	575848N 0561508E	UR	S082519
PERM AIRCRAFT ENGINE PLT STALIN 19 DESIGN BUR	575848N 0561508E	UR	S082540
PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 2	575848N 0561508E	UR	S082527
PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 1	575848N 0561508E	UR	S082526
PERM AIRCRAFT ENGINE PLT STALIN 19 FLOORSPACE	575848N 0561508E	UR	S082693
SVERDLOVSK GUIDED MISSILE PRODUCTION PLANT 8	565213N 0603707E	UR	S082554
KOLPASHEVO ESV TRACKING FACILITY 4-DISH ANT	582011N 0825257E	UR	S082703
KRASNOYARSK ARMY BARRACKS AL2	560252N 0925551E	UR	S082451
YENISEYSK ESV TRACKING/MOLNIYA FAC 4-DISH ANT	582643N 0921604E	UR	S082703
ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD	534138N 0912342E	UR	S082680
NOVOSIBIRSK MILITARY TRAINING AREA 1 FAC EXT	544620N 0823145E	UR	S082890
NOVOKRONSHADSKOYE RADIO RELAY STATION	522718N 0681117E	UR	S082633
VOLDARSKOYE RADIO RELAY STATION	531625N 0680723E	UR	
SHALKAR RADIO RELAY STATION	531315N 0684610E	UR	
ANDREYEVKA RADIO RELAY STATION	530300N 0672835E	UR	
RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	525020N 0665540E	UR	
RUZAYEVKA RADIO RELAY + TV BROADCAST STATION	525020N 0665540E	UR	
TIMIRYAZEVO TV BROADCASTING STATION PROB	534440N 0662927E	UR	
KOKCHETAV AM BROADCASTING STATION	531720N 0692150E	UR	
STEPNOY TV + RADIO RELAY STATION	523220N 0622930E	UR	S082622
STEPNOY TV + RADIO RELAY STATION	523220N 0622930E	UR	

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	RUDNY RADIO RELAY STATION		525830N 0630530E	UR	
	DZHETYGARA TV + RADIO RELAY STATION		521035N 0611045E	UR	
	DZHETYGARA TV + RADIO RELAY STATION		521035N 0611045E	UR	
	KUSTANAY RADIO RELAY + TV RELAY STATION		531337N 0634000E	UR	
	KUSTANAY RADIO RELAY + TV RELAY STATION		531337N 0634000E	UR	
	ORDZHONIKIDZE RADIO RELAY STATION		522730N 0614501E	UR	
	TOBOL RADIO RELAY STATION		524105N 0623535E	UR	
	CHELYABINSK/BAKAL AIRFIELD		551535N 0611758E	UR	S082906
	SIBAY AIRFIELD		524115N 0584230E	UR	S082905
	KORKINO AIRFIELD		545705N 0613030E	UR	S082901
	KUYBYSHEV AIRFRAME PLANT LENIN 18 CONST NEW		531300N 0501814E	UR	S082637
	KUYBYSHEV AEROSPACE PRODUCTION PLANT 1		531315N 0501804E	UR	S082915
	UFA AIRCRAFT ENGINE PLANT A26 FLOORSPACE		544735N 0560740E	UR	S082685
	KUYBYSHEV AIRCRAFT ENG PLT FRUNZE FLOORSPACE		531203N 0501642E	UR	S082686
	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU		555119N 0490231E	UR	S082505
	KAZAN AIRFRAME PLANT B387 DESIGN BUREAU		555119N 0490231E	UR	S082539
	KAZAN AIRFRAME PLANT B387 FLOORSPACE		555119N 0490231E	UR	S082688
	YELABUGA AIRFIELD NORTH		554749N 0520755E	UR	S083016
	LUKHOVITSY AIRFRAME PLANT FLOORSPACE		545455N 0390220E	UR	S082692
	RYAZAN/DYAGILEVO AIRFIELD BADGER TU-16 O/B		543830N 0393412E	UR	S083019
	MOSKVA AIRFRAME PLANT 30 CONSTRUCTION NEW		554703N 0373249E	UR	S082699
	MOSKVA GUIDED MISSILE PRODUCTION PLANT 41		554939N 0373023E	UR	S082554

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
MOSKVA AIRCRAFT ENGINE PLANT 45 FLOORSPACE		554625N 0374303E	UR	S082684
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNYY		555544N 0373027E	UR	S082554
MOSKVA GUIDED MISSILE + A/C PLT DOLGOPRUDNYY		555544N 0373027E	UR	
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293		555444N 0372703E	UR	
MOSKVA/SHCHELKOVO ESV TRACKING FAC 4-DISH ANT		555644N 0375803E	UR	S082703
ROMANTSEVO RADIO COMMUNICATONS RCVR SITE B		551704N 0373350E	UR	S082521
GOMEL/PRIBYTKI AIRFIELD BADGER TU-16 O/B		521824N 0310947E	UR	S083019
GOMEL/PRIBYTKI AIRFIELD BLINDER TU-22 DPL		521824N 0310947E	UR	S082700
ORSHA AIRFIELD SW BADGER TU-16 O/B		542622N 0301747E	UR	S083019
ANISOVO GORODISHCHE AIRFIELD BADGER TU-16 O/B		541327N 0342208E	UR	
ROSS AIRFIELD AW RADAR FACILITY		531919N 0242200E	UR	S082448
ROSS AIRFIELD GCA SITE		531816N 0242206E	UR	
MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR		535344N 0273618E	UR	S082367
MINSK MACHINE TOOL PLANT CIVIL DEFENSE SHLTR		535344N 0273618E	UR	
GRESK MRBM SITE 1 2-BAY GARAGE NEW IDENT		531425N 0274225E	UR	S082556
ROSS AAM SUPPORT FACILITY		531756N 0242301E	UR	S082448
MINSK AVTOKOLONNA 2411		535432N 0273105E	UR	S082678
MINSK AVTOKOLONNA 2413		535315N 0273540E	UR	S082676
BORISOV AVTOKOLONNA 2443		541217N 0283031E	UR	S082673
BARANOVICHI AIRFIELD BADGER TU-16 O/B		530542N 0260254E	UR	S083019
BARANOVICHI AIRFIELD BLINDER TU-22 DEPLOYMENT		530542N 0260254E	UR	S082700
BOBRUYSK AIRFIELD BADGER TU-16 O/B		530610N 0291230E	UR	S083019
MINSK/MACHULISHCHE AIRFIELD BLINDER TU-22 DPL		534626N 0273442E	UR	S082700
ROSS AIRFIELD		531810N 0242206E	UR	S082448

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
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25X1

	POGRANICHNYY ESV TRACKING/MOLNIYA 4-DISH ANT		530546N 1582039E	UR	S082703
	PETROPAVLOVSK SUBMARINE BASE C CLASS SSGN		525455N 1582952E	UR	S082368
	MAGDAGACHI AIRFIELD HELICOPTER REGIMENTS		532820N 1254741E	UR	S082631
	BELAYA AIRFIELD BADGER TU-16 O/B		525454N 1033434E	UR	S083019
	ULAN UDE AIRFRAME PLANT 99		515123N 1074344E	UR	S082553
	ULAN UDE ESV TRACKING FAC 4-DISH ANT CLUSTER		515223N 1075650E	UR	S082703
	ULAN UDE AIRFIELD EAST		515054N 1074336E	UR	S082553
	ZAVITINSK AIRFIELD NE BADGER TU-16 O/B		501132N 1293006E	UR	S083019
	KHABAROVSK ARTILLERY ENGINEER DEPOT D02		482131N 1350219E	UR	S082451
	KHABAROVSK AIRFIELD BADGER TU-16 O/B		482745N 1350907E	UR	S083019

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TOP SECRET CHESS RUFF

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HRADEC KRALOVE AIRFIELD RUNWAY COMPOSITION

50150AN 0155050E CZ S083023

KARLOVY VARY AIRFIELD RUNWAY COMPOSITION

501211N 0125457F CZ S083029

MILOVICE AIRFIELD RUNWAY COMPOSITION

501410N 0145520F CZ S083026

PARDUBICE AIRFIELD RUNWAY COMPOSITION

500053N 0154420E CZ S083015

PRAHA/RUZNYE AIRFIELD RUNWAY COMPOSITION

500604N 0141600F CZ S083024

MIMON AIRFIELD RUNWAY COMPOSITION

503713N 0144359F CZ S083027

ZATEC AIRFIELD RUNWAY COMPOSITION

502219N 0133523F CZ S083020

KLECANY/VODOCHODY AIRFIELD RUNWAY COMPOSITION

501305N 0142344F CZ S083021

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DLOUHA LHOTA AIRFIELD RUNWAY COMPOSITION

494316N 0140606E CZ S083030

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MUKACHEVO ARMY BARRACKS	482500N 0224132E	UR	S082451
GLIWICE PORT COMPLEX	501930N 0183810E	PL	S082826
NADVORNAYA MRBM SITE 1 2-BAY GARAGE NEW IDENT	483741N 0244205E	UR	S082556
SOKAL MRBM SITE 1 2-BAY GARAGE NEW U/C IDENT	502249N 0241817E	UR	
GNOYNO ASM SUPPORT FACILITY RAM A ACTIVITY	505525N 0242640E	UR	S082511
BRATISLAVA/IVANKA AIRFIELD RUNWAY COMPOSITION	481013N 0171250E	CZ	S083025
KOSICE/BARCA AIRFIELD RUNWAY COMPOSITION	484009N 0211435E	CZ	S083018
KUNOVICE AIRFIELD RUNWAY COMPOSITION	490149N 0172628E	CZ	S083028
POPRAD/TATRY AIRFIELD RUNWAY COMPOSITION	490428N 0201426E	CZ	S083022
STRYY AIRFIELD BADGER TU-16 O/B	491443N 0234726E	UR	S083019
NAMEST NAD OSLAVOU AIRFIELD RWY COMPOSITION	490958N 0160728E	CZ	S083014
KREMENETS ARMY BARRACKS AL1 SS-1 BRIGADE SRCH	500900N 0254536E	UR	S082627
BELAYA TSEKOV AIRFIELD BADGER TU-16 O/B	494749N 0300135E	UR	S083019
NEZHIN AIRFIELD BLINDER TU-22 DEPLOYMENT	510519N 0315207E	UR	S082700
PRILUKI AIRFIELD BADGER TU-16 O/B	503434N 0321901E	UR	S083019
ZHITOMIR/SKOMOROKHI AIRFIELD BLINDER TU-22	500933N 0284419E	UR	S082700
VORONEZH AIRFRAME PLANT 64 CONSTRUCTION NEW	513819N 0391517E	UR	S082638
VOLNOYE ARMY BARRACKS SAMARA RIVER T-64 TANKS	484419N 0351919E	UR	S082828
VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	484222N 0352259E	UR	S082829
VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS	484222N 0352259E	UR	

TOP SECRET CHESS RUFF

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD	495802N	0361706E	UR	S082776
		495802N	0361706E	UR	
	POLTAVA AIRFIELD BADGER TU-16 O/B	493740N	0342923E	UR	S083019
	SARATOV AIRFRAME PLANT 292	512948N	0455703E	UR	S082554
	URALSK AIRFIELD NON-OPERATIONAL	511503N	0512547E	UR	S082774
	EMBA MTC	483800N	0580300E	UR	S082449
	KARAGANDA AIRFIELD SW	494021N	0725909E	UR	S082902
	GEORGIYEVKA ARMY BKS AL1 SIGNAL UNIT IDENT	491925N	0813210E	UR	S082498
	KYZYL ARMY BARRACKS AL2	514125N	0942500E	UR	S082891
	HANGAL MILITARY INSTL NORTH PROB NZHM-56 SRCH	492938N	1041624E	MG	S082630
	KUERHTU ARMY BARRACKS AL1	442936N	0834600E	CH	S082572
	MEIYAO ARMY BARRACKS WEST PAYINKOU AL2	440040N	0845705E	CH	S082573
	FOUKANG INSTRUMENTATION SITE MOBILE IDENT	441000N	0875940E	CH	S082920
	PENGTULINGSUN MILITARY BARRACKS AL2	440905N	0844803E	CH	S082571
	PENGTULINGSUN ARMY BARRACKS AL1 + HQ INF DIV	441004N	0844805E	CH	S082570
	PENGTULINGSUN MILITARY AREA	4410 N	08448 E	CH	S082569
	SARY SHAGAN MTC ESV TRACKING/MOLNIYA 4-DISH	455338N	0733727E	UR	S082703
	SARY SHAGAN MTC COMPLEX D EGG HEAD RADAR	454840N	0733404E	UR	S082790

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SARY SHAGAN MTC COMPLEX F ELCT FAC SH-4 LNCHR		462629N 0725108E	UR	S082791
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR		474928N 0351147E	UR	S082514
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR		474928N 0351147E	UR	S082538
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELLS		474928N 0351147E	UR	S082533
ROSTOV AIRFRAME PLANT 168 CONSTRUCTION NEW		471516N 0394318E	UR	S082690
TAGANROG AIRFRAME PLT 86 CANDID/MOSS MSRMTS		471150N 0385220E	UR	S082503
FEODOSIYA NAVAL MISSILE SUPT FAC SA-X-10 PROB		450808N 0353337E	UR	S082552
FEODOSIYA NAVAL MSL SUPT NAV SAM CMPNTS POSS		450808N 0353337E	UR	S082602
FEODOSIYA SHIPYARD YUZNAYA TOCHKA EXPANSION		450712N 0352954E	UR	S082452
ROSTOV NA DONU AVTOKOLONNA 1500		471605N 0394112E	UR	S082681
YALTA RADIO RELAY STATION WEST		442920N 0340140E	UR	S082594
YALTA RADIO RELAY STATION NE		443112N 0341455E	UR	
ALUSHTA RADIO RELAY STATION		442950N 0342410E	UR	
YEVPA TORIYA DEEP SPACE TRKG FAC 4-DISH ANT		451325N 0330955E	UR	S082703
SIMFEROPOL TV CENTER		445636N 0340638E	UR	S082594
YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA		442700N 0340300E	UR	
YALTA RADIO RELAY/TV RELAY/FM BROADCAST STA		442700N 0340300E	UR	
SEVASTOPOL RADIO RELAY + TV CENTER		443545N 0333130E	UR	
SEVASTOPOL RADIO RELAY + TV CENTER		443545N 0333130E	UR	
NIKOLAYEVKA RADIO COMMO RCVR/RADIO RELAY STA		445930N 0333740E	UR	
BISTRITA ARMY BKS MOUNTAIN INF BRGD NEW SRCH		470800N 0243050E	RO	S082502
NOVOSY SOYEVKA IRBM SITE 2 SP GUN HVY NEW DPL		440725N 1332810E	UR	S082458
GALENKI ESV TRACKING/MOLNIYA FACIL 4-DISH ANT		440130N 1314545E	UR	S082703
CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV		441213N 1330919E	UR	S082629
CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV		441213N 1330919E	UR	

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TOP SECRET CHESS RUFF

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SPASSK DALNIY AIRFIELD EAST BADGER TU-16 O/B		443647N 1325302E	UR	S083019
TIENTSUNGTAWAN SSM TRACKING FACILITY		404604N 0995421E	CH	S082920
SHUANGCHENGZU MTC PAD B2 RECON SAT LNCH PREP		411828N 1001854E	CH	S082619
PAOTOU ARMORED VEHICLE PLANT 617		404006N 1095423E	CH	S082783
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C		404309N 1205939E	CH	S082368
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C		404309N 1205939E	CH	
HULUTAO NAVAL BASE/SHPYD/PORT SSBN POSS U/C		404309N 1205939E	CH	
ANMIN RADIO RELAY STATION BUNKERED		424927N 1245527E	CH	S082354
CHINGYU MTC TRACKING FACILITY WNW		422552N 1263521E	CH	S082523
USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL		434932N 1315650E	UR	S082455
USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL		434932N 1315650E	UR	
ABREK BUKHTA NAVAL BASE TARGET BARGE ACT		425608N 1322515E	UR	S082794
DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT		425400N 1322110E	UR	
DUNAY SUBMARINE BASE + SHPYD TARGET BARGE ACT		425400N 1322110E	UR	
USSURIYSK/VOZDVIZHENKA AIRFIELD BADGER O/B		435425N 1315547E	UR	S083019
DUVANNYY RADIO RELAY STATION SOUTH		400020N 0492320E	UR	S082624
NURATA TROPOSCATTER STATION		402332N 0655912E	UR	S082520
ADRASMAN RADIO RELAY STATION NE		404307N 0700537E	UR	
CHIRCHIK AIRFIELD TALL KING AW RADAR FACILITY		412820N 0693210E	UR	S082451
TASHKENT AIRFRAME PLT B CHKALOV 84 CONST NEW		411802N 0691904E	UR	S082691
ILI ARMY BARRACKS AL1 DIVERSION BRIGADE PROB		435232N 0770215E	UR	S082846
ILI ARMY BARRACKS AL1 SIGNAL UNIT IDENT		435232N 0770215E	UR	S082498
NILOKO ARMY BARRACKS AL1		434835N 0822845E	CH	S082579
ZEKTA ARMY BARRACKS		433315N 0830625E	CH	S082580
MEIYAO ARMY BARRACKS NNW		435950N 0851950E	CH	S082575

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	YUEHYATAI ARMY BARRACKS SW AL1		435745N 0853255E	CH	S082574
	ALATUPO ARMY BARRACKS AL1		432753N 0835440E	CH	S082582
	HSINYUAN ARMY BARRACKS AL1 + HEADQUARTERS DIV		433235N 0831800E	CH	S082577
	HSINYUAN ARMY BARRACKS 2		433215N 0831555E	CH	S082578
	ALATUPO ARMY BARRACKS 2		431810N 0840150E	CH	S082581
	HSINYUAN MILITARY AREA AL1		4332 N 08318 E	CH	S082576
	CHIUCHUAN MILITARY INSTALLATION		394600N 0983630E	CH	S082564
	CHIUCHUAN MILITARY INSTALLATION		394550N 0983110E	CH	S082567
	HUANGCHUNG RADIO RELAY STATION SE		362500N 1013830E	CH	S082591
	HUANGCHUNG STEEL PRODUCTS PLANT		363242N 1013212E	CH	S082447
	LINTSE ARMY BARRACKS WEST AL3		391010N 1000210E	CH	S082617
	HUANGCHUNG IRON PLANT		363305N 1013215E	CH	S082447
	HSINING IRON PLANT		364415N 1014557E	CH	
	CHIUCHUAN IRON PLANT		394900N 0981440E	CH	S082446
	SHANTAN IRON PLANT		384600N 1010645E	CH	
	CHIUCHUAN IRON + STEEL PLANT		394855N 0981723E	CH	
	CHIUCHUAN ARMY BARRACKS SOUTH 1		394340N 0983040E	CH	S082563
	HSINING STEEL PLANT		364012N 1014008E	CH	S082447
	CHINFOSSU ARMY BARRACKS 1		392802N 0984323E	CH	S082568
	CHIAYUKUAN ARMY BARRACKS AL1		395008N 0980541E	CH	S082565
	CHIUCHUAN ARMOR INSTALLATION SW		393853N 0982036E	CH	S082566
	SHACHINGTZU ARMY BARRACKS AL1		390600N 1001610E	CH	S082618
	LICHIAITUNGCHUANG ARMY BARRACKS AL1		390600N 1002100E	CH	S082616

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	LINTSE ARMY BARRACKS AL2 + HQ INFANTRY DIV		390901N 1001100E	CH	S082615
	LINTSE MILITARY AREA 1		3909 N 10010 E	CH	S082614
	CHIUCHUAN MILITARY AREA 1		3944 N 09831 E	CH	S082562
	PYADZH/AMU DARYA AIRFIELD		371540N 0690520E	UR	S083017
	KERKI AIRFIELD POL STORAGE CAPACITY		374905N 0651235E	UR	S082903
	ASTARA RADIO RELAY STATION		382910N 0485015E	UR	S082624
	LENKORAN TV RELAY STATION		384525N 0485000E	UR	
	SALYANY RADIO RELAY + RADIO COMMO STATION		393720N 0490200E	UR	
	BANK RADIO RELAY STATION		392520N 0491300E	UR	
	DZHALILABAD TV RELAY STATION		3913 N 04830 E	UR	
	KYZYLAGACH RADIO RELAY STATION		390203N 0484740E	UR	
	KHOLKARAKASHLY RADIO RELAY STATION		391540N 0485540E	UR	
	ALYAT PRISTAN RADIO RELAY STATION		395635N 0492410E	UR	
	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL		375721N 1263315E	KN	S082023
	KAESONG TV TRANSMITTER + RADIO RELAY TERMINAL		375721N 1263315E	KN	
	LAIYUAN RADIO RELAY STATION SOUTH BUNKERED		391240N 1144210E	CH	S082597
	YENAN RADIO RELAY STATION		363520N 1092730E	CH	S082587
	NINGCHIU RADIO RELAY STATION		374010N 1150300E	CH	S082589
	YENAN TV TRANSMITTER STATION		363600N 1092950E	CH	S082584
	LINGSHIH RADIO RELAY STATION BUNKERED		364600N 1115255E	CH	S082586
	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION		375920N 1123211E	CH	S082368
	TAIYUAN EXPLOSIVES + SOLID MTR PROD EXPLOSION		375920N 1123211E	CH	
	WUCHAI MTC SLBM ACTIVITY		384950N 1113620E	CH	
	PINGENGPU RADIO RELAY STATION		374130N 1060555E	CH	S082590
	HUNGSUPAO RADIO RELAY STATION		371842N 1061651E	CH	S082592
	CHUNGWEI IRON PLANT		373000N 1050545E	CH	S082445
	HOHSIPU IRON PLANT		382230N 1020505E	CH	S082446

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TOP SECRET CHESS RUFF

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.	
[Redacted]	HUNGKUNTZU IRON PLANT		390958N 1063925E	CH	S082445	
	SHIHTSUIISHAN IRON + STEEL PLANT		391845N 1064715E	CH		
	LANCHOU IRON PLANT		360150N 1035105E	CH	S082446	
	SHIHWULIPU RADIO RELAY STATION NW BUNKERED		351457N 1090634E	CH	S082356	
	MUCHIAYEN RADIO RELAY STATION EAST BUNKERED		340749N 1093431E	CH	S082583	
	LONING ICBM SITE 1 SILO U/C		342136N 1115037E	CH	S082509	
	LONING ICBM SITE 2 SILO U/C		341713N 1113738E	CH		
	[Redacted]					
		AL QUTAYFAH MILITARY VEH STGE TANK DECREASE		333920N 0363200E	SY	S082793
		AL QAHIRAH ARMY BKS/HQ BM-21 VAR NORTH KOREAN		300845N 0312715E	EG	S082620
	[Redacted]		[Redacted]			
	FAID AIRFIELD CONSTRUCTION		302005N 0321624E	EG	S082608	
	KABRIT AIRFIELD CONSTRUCTION		301453N 0322932E	EG		
[Redacted]						
	CHINGMEN HYPERVELOCITY TEST RANGE PROB NEW		310954N 1121100E	CH	S082619	
	TZUKUNG LIGHT FABRICATION PLANT		292150N 1044520E	CH	S082792	
	CHINHUACHEN RADIO RELAY STATION		305950N 1050935E	CH	S082599	
	SUNGLIN MTC NEW U/C		281420N 1020149E	CH	S082914	
	HANGWANGCHANG STEAM TURBINE PLANT		312630N 1040935E	CH	S082792	
	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT		310830N 1042315E	CH		
	TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT		310830N 1042315E	CH		
	TEYANG ELECTRICAL EQUIPMENT PLANT		310705N 1042239E	CH		
	LIANGWANGSHAN RADIO RELAY STATION		244530N 1025350E	CH	S082598	
	LINFUTSUI RADIO RELAY STATION		251045N 1081045E	CH	S082355	

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TOP SECRET CHESS RUFF [Redacted]

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	HOCHIH RADIO RELAY STATION		244359N 1080529E	CH	5082585
	CHIANGLO RADIO RELAY STATION SE		263700N 1173540E	CH	5082588
	KUANGCHOU TELEGRAPH BLDG EAST 1 PROB IDENT		230728N 1131708E	CH	5082596
	KUANGCHOU RADIO RELAY TML EAST 2 PROB IDENT		230735N 1131800E	CH	
	KUANGCHOU ELECTRONICS ASSOC BLDG 3 PROB IDENT		230755N 1131810E	CH	
	KUANGCHOU RADIO RELAY STATION NORTH POSS		231030N 1131735E	CH	5082595
	KUANGCHOU RADIO RELAY STATION SOUTH		230853N 1131521E	CH	5082357
	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT		211804N 1102429E	CH	5082778
	TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT		211804N 1102429E	CH	
	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT		211804N 1102429E	CH	5082457
	TIAOSHUNTSUN PORT FACILITIES AAA EQUIP EXPORT		211804N 1102429E	CH	
	YALUNG NAVAL BASE		181311N 1094146E	CH	5082429
	YALUNG NAVAL FACILITY NORTH PUG		181530N 1094320E	CH	5082430
	AL GHAYDAH MILITARY CAMP INFANTRY BRIGADE		161150N 0521120E	YS	5082779
	KHAWR AL UMAYRAH TROOP CONCENTRATION ING BRGD		124100N 0440740E	YS	
	AL KIRSH TROOP CONCENTRATION INFANTRY BRIGADE		132150N 0442925E	YS	
	AD DALI TROOP CONCENTRATION INFANTRY BRIGADE		134600N 0444340E	YS	
	ASEB PORT FACILITIES MIL DELIVERIES SOVIET		130030N 0424530E	ET	5082782
	ASEB PORT FACILITIES MIL DELIVERIES SOVIET		130030N 0424530E	ET	
	ADEN PORT FACILITIES + NAVAL BASE		124715N 0450027E	YS	5082750
	ADEN PORT FACILITIES + NAVAL BASE		124715N 0450027E	YS	
	ADEN POL PORT LITTLE ADEN		124544N 0445427E	YS	
	ATAQ MILITARY CAMP HQ INFANTRY BRIGADE		143237N 0464925E	YS	5082779
	BAYHAN AL QISAB MILITARY BARRACKS INF BRIGADE		144712N 0454306E	YS	
	MUKAYRIS MILITARY BARRACKS INFANTRY BRIGADE		135532N 0454000E	YS	
	ADEN AIRFIELD INTERNATIONAL		124940N 0450150E	YS	5082750

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WAC/BE

SUBJECT

IDHS CODE

COORD

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ACCN NO.

AL ANAD AIRFIELD

130940N 0444630E

YS

BISSAU AIRFIELD HIP C MI-8 IDENTIFICATION

115330N 0154030W

PU

S082775

BOLE AIRFIELD COCK/CLASSIC/CUB/CURL/FISHBED

085840N 0384753E

ET

S082463

LUSO MILITARY INSTALLATION SOV/CUBAN ACT POSS

114510S 0195100E

AO

S082603

BOMA MILITARY TRAINING FACILITY INFANTRY TRNG

114820S 0200750E

AO

S082781

EL BUITRE MILITARY BARRACKS EQUIP BRAZILIAN

183022S 0701722W

CI

S082605

DURBAN PORT FACILITIES RESHEF CLASS PGG IDEMT

295230S 0310230E

SF

S082464

SOMERSET WEST EXPLOSIVES + AMMUNITION LDG PLT

340500S 0184820E

SF

S082499

EZEIZA ATOMIC RESEARCH CTR FUEL REPROCESSING

345007S 0583526W

AR

S082606

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TOP SECRET CHESS RUFF

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PART VI

Listing of Reports by Accession Number

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TOP SECRET CHESS RUFF

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[Redacted]

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NPIC MIPIR CA0124-77 18 NOV 77 [Redacted] SEC CLASS: 14 MSN: 205P

ACCN: S081955

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MIPIR 118/122
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO :
COMIREX NO:

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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NPIC MIPIR CA0146-77 23 DEC 78 [Redacted] SEC CLASS: 14 MSN: 96P

ACCN: S082195

25X1

MIPIR 143/146
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 15A

NPIC NO :
COMIREX NO:

107
TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

25X1

NPIC IPIR [Redacted] IPIR006-77 05 DEC 77 [Redacted] SEC CLASS: 14 MSN: [Redacted] 49P ACCN: S082326

25X1

IPIR [Redacted]

25X1

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

[Redacted]

25X1

25X1

NPIC MIPIR CA0155-78 07 JAN 78 [Redacted] SEC CLASS: 14 MSN: 170P ACCN: S082328

25X1

MIPIR 151/155

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

[Redacted]

25X1

25X1

25X1

[Redacted]

25X1

25X1

25X1

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

ARMY PIM PIM003-78 21 NOV 77 [] SEC CLASS: 14A MSN: [] 4P ACCN: S08235 [] 25X1

SHIHWULIPU RADIO RELAY STATION NW BUNKERED CH 351457N 1090634E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 92-B
IDHS CODE: [] EPF CAT : 25D COMIREX NO: []

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE SHIH-WU-LI-PU RADREL STA NW/BNK IN THE PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PRINT OF THE RADREL SITE. THE PHOTO DISPLAYS THE ANTENNA OPENING ORIENTATIONS AND THE CONTROL BUILDING.

ARMY PIM PIM009-78 29 NOV 77 [] SEC CLASS: 14A MSN: [] 4P ACCN: S08235 [] 25X1

KUANGCHOU RADIO RELAY STATION SOUTH CH 230853N 1131521E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-A9
IDHS CODE: [] EPF CAT : 25D COMIREX NO:

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE KUANG-CHOU RADREL STA SOUTH, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADREL STATION. THE PHOTO DISPLAYS THE STATION ANTENNA, ALONG WITH DETAILED MENSURATION OF THE ANTENNA AND ITS ORIENTATION.

AF BIIR RFB22-5001-78 SEP 77 SEC CLASS: 07 MSN: [] 8P ACCN: S082358

MISSILES, AA-8 UR
WAC NO : [] BE/OBJ NO: 680505 NPIC NO :
IDHS CODE: [] EPF CAT : 40J COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE APHID (AA-8) AIR-TO-AIR MISSILE (AAM). THE REPORT CONTAINS A BASIC DESCRIPTION, ORTHOGRAPHIC ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE MISSILE. THE APHID HAS A LENGTH OF [] AND AN OVERALL WINGSPAN OF []

25X1

AF BIIR RFB22-5002-78 OCT 77 SEC CLASS: 07 MSN: [] 7P ACCN: S082359

ELECTRONICS, MOLNIYA-1 ANT 12-ELEMENT HELICAL UR
WAC NO : [] BE/OBJ NO: 530228 NPIC NO :
IDHS CODE: [] EPF CAT : 25C COMIREX NO:

THIS REPORT PRESENTS A PHOTOGRAPHIC ANALYSIS OF THE 12-ELEMENT HELICAL ANTENNA, A COMPONENT OF THE MOLNIYA-1 COMMUNICATIONS SATELLITE (COMSAT) SYSTEM. THE REPORT INCLUDES A BASIC DESCRIPTION, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY. THE BASIC ANTENNA ASSEMBLY CONSISTS OF 12 HELICAL ELEMENTS MOUNTED ON INDIVIDUAL GROUND PLANES. THE

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109
TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1
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ELEMENTS ARE ARRANGED IN GROUPS OF THREE, EACH GROUP ATTACHED TO A CORNER OF A SQUARE FRAMEWORK. THE ANTENNA ASSEMBLY IS, IN TURN, ATTACHED TO AN ELEVATION OVER AZIMUTH MOUNT.

TWO TRANSPORTABLE 12-ELEMENT HELICAL ANTENNAS ACCOMPANY SOVIET POLITICAL LEADERS WHEN THEY TRAVEL OUTSIDE THE SOVIET UNION. THESE ANTENNAS WERE OBSERVED IN BOTH THE UNITED STATES AND INDIA DURING PRESIDENT LEONID BREZHNEV'S VISITS IN 1973. APPARENTLY THESE ANTENNAS ARE USED BY THE TRAVELER TO MAINTAIN TWO-WAY COMMUNICATIONS VIA MOLNIYA-1 COMMUNICATION SATELLITES (COMSATS) WITH HIGH LEVEL GOVERNMENTAL AGENCIES IN THE SOVIET UNION.

DIA STDY DST1340S-075-77 DEC 77 [] SEC CLASS: 24 MSN: 70P ACCN: S082325X1

AIRCRAFT, HELICOPTER TRENDS + DEVELOPMENTS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 05 COMIREX NO:

25X1

SINCE 1970, THE SOVIETS HAVE UNDERTAKEN A MAJOR REORIENTATION OF THEIR HELIBORNE FORCES AND ROTARY-WING TECHNOLOGIES FROM A LOGISTICAL SUPPORT ROLE TO A COMBAT ARMS ROLE IN THEIR FRONTAL AVIATION ARMY. THERE IS NOW IRREFUTABLE EVIDENCE THAT THE SOVIET HELIBORNE RESOURCES AND FACILITIES HAVE BEEN REORGANIZED AND UPGRADED TO OPTIMIZE THEIR APPLICATIONS IN THE ASSAULT AND CLOSE-AIR-SUPPORT ROLES.

THIS PUBLICATION SUPPLEMENTS DST-1340S-075-77, ROTARY WING AIRCRAFT (TRENDS)--EURASIAN COMMUNIST COUNTRIES AND IS NOT INTENDED TO STAND ALONE.*

DIA STDY DST1030S-478-77 25 NOV 77 [] SEC CLASS: 25 X MSN: 43P ACCN: S08225X1

MISSILES, SS-X-20 SYSTEM UR
WAC NO : BE/OBJ NO: 680482 NPIC NO :
IDHS CODE: EPF CAT : 40B COMIREX NO:

THE SS-X-20, A NEW TWO-STAGE SOLID PROPELLANT IRBM, ENTERED FLIGHT TEST FROM THE KAPUSTIN YAR MISSILE TEST CENTER (KYMTC) ON 21 SEPTEMBER 1974. AS OF 1 JULY 1977, 24 LAUNCHES HAD OCCURRED FROM KAPUSTIN YAR, AND ON FOUR OCCASIONS THE SS-X-20 WAS LAUNCHED FROM THE GLADKAYA COMPLEX TO THE KAMCHATKA IMPACT AREA.

THE SS-X-20 IS EXPECTED TO BE DEPLOYED IN A MOBILE MODE IN 1977. PROBABLE DEPLOYMENT AREAS HAVE BEEN IDENTIFIED AT DROVYANAYA, KONKOVICHI, KOZHANOVICHI, AND NOVOSIBIRSK.

THIS STUDY SUPPLEMENTS DIA STUDY DST-1030S-478-77 'SS-X-20 IRBM SYSTEM.'

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF [Redacted]

[Redacted]

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[Large Redacted Area]

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DIA STDY DD12680-023C-77 NOV 77 [Redacted] SEC CLASS: 25 MSN: 38P ACCN: S0823 [Redacted] 25X1

MISSILES, DEVELOPMENTS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IUHS CODE:	EPF CAT : 40	COMIREX NO:
NAVAL, DEVELOPMENTS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :

113
TOP SECRET CHESS RUFF [Redacted]

[Redacted] 25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 75	COMIREX NO:
AIRCRAFT, DEVELOPMENTS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 05	COMIREX NO:
ELECTRONICS, DEVELOPMENTS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 25	COMIREX NO:
MILITARY, DEVELOPMENTS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
PHOTO, MOBILE PROCESSING UNITS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 65	COMIREX NO:

THIS QUARTERLY PUBLICATION PRESENTS A SNAPSHOT OVERVIEW OF TRENDS IN SOVIET FORCES. IT SUMMARIZES THE MOST SIGNIFICANT DEVELOPMENTS OVER THE LAST FEW MONTHS AND PLACES THEM IN PERSPECTIVE AGAINST OVERALL PROJECTIONS AND TRENDS FOR EACH FORCE ELEMENT OR ACTIVITY.

DIA STDY DST2610R-244-77 NOV 77 SEC CLASS: 24 MSN: 29P ACCN: S082371 25X1

MISSILES, SAM MOBILIZATION ANALYSIS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40C	COMIREX NO:

ALL THREE PRIMARY SOVIET SURFACE-TO-AIR MISSILE SYSTEMS (SA-2, SA-3, AND SA-5) ARE KNOWN TO BE TRANSPORTABLE. THIS STUDY CONSIDERS WHETHER SOVIET PLANNERS AND TACTICIANS MIGHT CHOOSE TO MOVE SOME PORTION OF THESE STRATEGIC AIR DEFENSE RESOURCES (PARTICULARLY SA-2 AND SA-3 SYSTEMS) TO ALTERNATE LOCATIONS. SUCH MOVES, IF ACCOMPLISHED RAPIDLY, COULD INVOLVE A FACTOR OF SURPRISE OR CONFUSION TO OUR PENETRATING BOMBER FORCE AND IN SOME CASES PROTECT THE AIR DEFENSE SITE FROM DIRECT ATTACK. THE NET RESULT OF SUCH A TACTIC COULD BE A SIGNIFICANT IMPROVEMENT IN THE POTENTIAL EFFECTIVENESS OF SOVIET INTEGRATED AIR DEFENSE.

25X1

114
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

DIA STDY DST1050S-188-77 11 NOV 77 [] SEC CLASS: 14 MSN: 191P ACCN: S082375^{25X1}

ELECTRONICS, ABM/ASAT LONG RANGE RADARS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25C COMIREX NO:

THIS ALL-SOURCE STUDY WAS ACCOMPLISHED IN RESPONSE TO DIA TASK PT-1050-01-75. ITS PRIMARY PURPOSE IS TO PROVIDE ALL-SOURCE DATA ON SOVIET ANTIBALLISTIC (ABM) AND ANTISATELLITE (ASAT) ASSOCIATED LONG-RANGE RADARS TO SUPPORT ALL DOD ORGANIZATIONS IN THEIR PRESENT AND FUTURE PLANNING.

THIS STUDY CONSISTS OF FIVE SECTIONS. THE FIRST OF THESE PRESENTS AN OVERALL DISCUSSION OF THE COMPLETE SOVIET ABM DEFENSIVE RADAR SYSTEM AND IS INTENDED TO SERVE AS A CONCISE SUMMARY. THE REMAINING FOUR SECTIONS COVER ABM SYSTEM EARLY WARNING (EW) RADARS, ABM SYSTEM BATTLE MANAGEMENT RADARS, NEW DEVELOPMENTS AND DEVELOPMENTAL RADARS NOT DEPLOYED.

THIS REPORT SUPERSEDES DST-1050S-188-75-SAO-VOL. 1.*

DIA STDY DST1010S-366-77 25 OCT 77 [] SEC CLASS: 25 MSN: 79P ACCN: S082374^{25X1}

MISSILES, SS-19 SYSTEM UR
WAC NO : BE/OBJ NO: [] NPIC NO :
IDHS CODE: EPF CAT : 40A COMIREX NO:

THE SS-19 ICBM IS REPLACING PART OF THE OPERATIONALLY DEPLOYED SS-11 ICBMS. IOC IS ASSESSED AS 1975. LAUNCH PROCEDURES ARE DESCRIBED. DEPLOYMENT OF THE SS-19 IS IN TYPE III-G SILOS AT DERAZHNYA, PERVOMAYSK, TATISHCHEVO, AND KOZELSK. SITE SIGNATURES FOR TYPE III-D TO TYPE III-G CONVERSION ARE GIVEN. THE TOTAL SS-19 FORCE COULD REACH 410 WHEN THE CONVERSION PROGRAM IS COMPLETED.

THIS STUDY SUPERSEDES DST-1010S-366-76-SAO-SUP 1. THIS STUDY SUPPLEMENTS DIA STUDY DST-1010S-366-77.*

DIA STDY DST1000S-267-77 SEP 77 [] SEC CLASS: 24 MSN: 101P ACCN: S082375^{25X1}

MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 40 COMIREX NO:

THIS STUDY ASSESSES SOVIET BALLISTIC MISSILE SYSTEM DEVELOPMENT TRENDS AND POTENTIAL SYSTEMS THAT MAY BE DEVELOPED WITHIN THE NEXT 10-YEAR PERIOD. THE SCOPE OF THIS STUDY IS INTENDED TO FULFILL THE REQUIREMENTS OF ESTIMATORS, PLANNERS, AND SYSTEM DESIGNERS WITHIN JCS, OSD, U+S COMMANDS, AND MILITARY DEPARTMENTS.

THIS STUDY SUPERSEDES DST-1000S-267-76-SAO; LAND LAUNCHED BALLISTIC MISSILE SYSTEMS (TRENDS)-USSR, DATED 1 JULY 1976; DST-1040S-005-76-SAO; SHORT RANGE BALLISTIC MISSILE SYSTEMS (CURRENT AND PROJECTED)-USSR, DATED JUNE 1976; AND DST-1020S-418-76-SAO; SUBMARINE LAUNCHED BALLISTIC MISSILE SYSTEMS (TRENDS)-USSR, DATED 1 OCTOBER 1976.

115
TOP SECRET CHESS RUFF

25X1

25X1



TOP SECRET CHESS RUFF



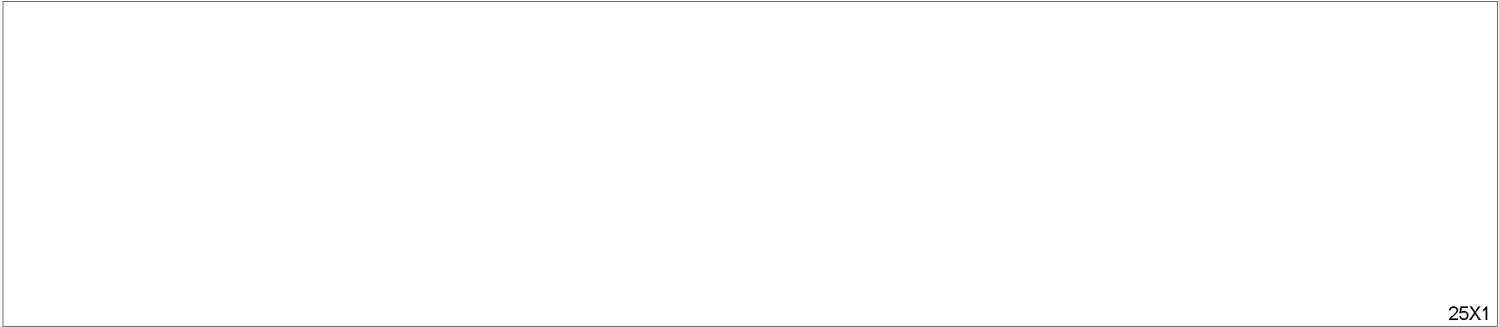
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DIA . STDY DOI1010-032-77 NOV 77 SEC CLASS: 14 MSN: 69P ACCN: S0823725X1

MISSILES, ICBM TYPE 3H SILO VULNERABILITY UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 40A COMIREX NO:

THE PURPOSE OF THIS STUDY IS TO PROVIDE A VULNERABILITY ASSESSMENT OF THE SOVIET IIIH SILO ASSOCIATED WITH THE NEW SS-17 ICBM. THE IIIH SILO IS AN UPGRADED CONVERSION OF THE OLDER IIID SILO WHICH IS ASSOCIATED WITH THE SOVIET SS-11 ICBM.

THIS STUDY CONTAINS INFORMATION WHICH IS SUPPLEMENTARY TO THE DEFENSE INTELLIGENCE AGENCY STUDY, PHYSICAL VULNERABILITY OF NEW GENERATION OF SOVIET ICBM SILOS, SEPTEMBER 1976.



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25X1



116
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MIPIR CA0160-78 13 JAN 78 [] SEC CLASS: 14 MSN: 117P ACCN: S08239^{25X1}
 MIPIR 156/160
 WAC NO : BE/OBJ NO: NPIC NO :
 IDHS CODE: EPF CAT : 15A COMIREX NO:

DIA NBRG NDA06-5106-77 17 JAN 78 SEC CLASS: 05G MSN: 1P ACCN: S082429
 YALUNG NAVAL BASE CH 181311N 1094146E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 54-A 25X1
 IDHS CODE: [] EPF CAT : 75B COMIREX NO: [] 25X1

DIA NBRG NDA06-5107-77 17 JAN 78 SEC CLASS: 05G MSN: 1P ACCN: S082430
 YALUNG NAVAL FACILITY NORTH PUG CH 181530N 1094320E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 34-A 25X1
 IDHS CODE: [] EPF CAT : 75B COMIREX NO: [] 25X1

CIA IRP IS10161K-77 DEC 77 [] SEC CLASS: 14 MSN: 29P ACCN: S08244^{25X1}
 GENERAL: CIVIL DEF KIEVSKAYA OBLAST UPDATE UR
 WAC NO : BE/OBJ NO: NPIC NO :
 IDHS CODE: EPF CAT : 10A COMIREX NO:
 KIEVSKAYA OBLAST CIVIL DEFENSE MEASURES UR 5015 N 03030 E
 WAC NO : 0233 BE/OBJ NO: NPIC NO : 25X1
 IDHS CODE: [] EPF CAT : 10A COMIREX NO:

THIS PHOTOGRAPHIC ANALYSIS OF CIVIL DEFENSE ACTIVITIES IN KIEV OBLAST UPDATES A PREVIOUS REPORT ON THIS TOPIC PUBLISHED IN MARCH 1977. THE PURPOSE OF THIS UPDATE IS TO CALL ATTENTION TO A SIGNIFICANT CHANGE IN THE UNDERSTANDING OF THE EXTENT OF THE CIVIL DEFENSE SHELTER PROGRAM IN KIEV OBLAST. THE TOTAL NUMBER OF ALL IDENTIFIED SHELTERS HAS INCREASED SIGNIFICANTLY -- FROM 174 TO 986. AS A RESULT, THE ESTIMATE OF THE MAXIMUM NUMBER OF PEOPLE CAPABLE OF BEING ACCOMMODATED IN SHELTERS HAS ALSO INCREASED SIGNIFICANTLY -- FROM 7 PERCENT TO 54 PERCENT OF THE 2,000,000 POPULATION OF THE KIEV URBAN AREA AND FROM 6 PERCENT TO 32 PERCENT OF THE 3,900,000 OBLAST POPULATION. THIS MAJOR CHANGE IN FINDINGS WAS MADE POSSIBLE BY THE DEVELOPMENT -- BASED ON A COMBINED ANALYSIS OF IMAGERY AND NEW HUMAN-SOURCE REPORTING -- OF PHOTOGRAPHIC SIGNATURES WHICH GREATLY SIMPLIFIED THE CRITERIA FOR IDENTIFICATION OF BASEMENT SHELTERS.

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THE CONCLUSIONS PRESENTED IN THE MARCH REPORT ON OTHER MAJOR ASPECTS OF THE CIVIL DEFENSE PROGRAM SUCH AS INDUSTRIAL PROTECTION AND CIVIL DEFENSE TRAINING HAVE NOT BEEN AFFECTED SIGNIFICANTLY BY THE REVIEW OF PHOTOGRAPHY WHICH WAS MADE FOR THIS REPORT.

CIA BIIR RCS13-0004-78 DEC 77 SEC CLASS: 13 MSN: 7P ACCN: 50824425X1

CHUNGWEI IRON PLANT	CH 373000N 1050545E	
WAC NO : []	NPIC NO :	25X1
IDHS CODE: []	COMIREX NO:	
BE/ORJ NO: []	EPF CAT : 30C	
HUNGKUNTZU IRON PLANT	CH 390958N 1063925E	
WAC NO : []	NPIC NO :	25X1
IDHS CODE: []	COMIREX NO:	
BE/ORJ NO: []	EPF CAT : 30C	
SHIHTSUIZHAN IRON + STEEL PLANT	CH 391845N 1064715E	
WAC NO : []	NPIC NO : - 41-B	25X1
IDHS CODE: []	COMIRFX NO: []	25X1
BE/ORJ NO: []	EPF CAT : 30C	
INDUSTRY: IRON + STEEL PLANTS NINGHSIAHUITSU	CH	
WAC NO : []	NPIC NO :	25X1
IDHS CODE: []	COMIREX NO:	
BE/ORJ NO: []	EPF CAT : 30C	

THERE ARE THREE PLANTS IN NINGSIA HUI AUTONOMOUS REGION ENGAGED IN THE PRODUCTION OF IRON, STEEL, AND ROLLED STEEL PRODUCTS. TWO ARE PIG IRON PLANTS AND ONE IS AN IRON AND STEEL PLANT.

THERE ARE THREE SMALL BLAST FURNACES AT THE PLANTS THAT ARE CAPABLE OF PRODUCING AN ESTIMATED 230 METRIC TONS OF PIG IRON PER DAY. A POSSIBLE ELECTRIC FURNACE BUILDING AND A POSSIBLE SIDE-BLOWN CONVERTER BUILDING ARE IN USE IN THE REGION. THERE IS ONE ROLLING MILL WITH A TOTAL ROOF COVER OF APPROXIMATELY 2,955 SQUARE METERS.

NO CONSTRUCTION ACTIVITY WAS EVIDENT AT ANY OF THE PLANTS. SHIHTSUIZHAN IRON AND STEEL PLANT WAS OPERATING WHEN SEEN ON THE LATEST AVAILABLE PHOTOGRAPHY; THE CHUNG-WEI AND HUNG-KUN-TZU IRON PLANTS DID NOT APPEAR TO BE OPERATING WHEN LAST OBSERVED.

THIS REPORT SUMMARIZES THE PRODUCTION FACILITIES AT EACH PLANT AND PROVIDES ANNOTATED PHOTOGRAPHS OF TWO PLANTS. A MAP SHOWING PLANT LOCATIONS IS ALSO INCLUDED. THE CUTOFF DATE FOR INFORMATION IN THIS REPORT IS AUGUST 1977.

CIA BIIR RCS13-0003-78 DEC 77 SEC CLASS: 13 MSN: 9P ACCN: 50824425X1

CHIUCHUAN IRON PLANT	CH 394900N 0981440E	
WAC NO : []	NPIC NO :	25X1
IDHS CODE: []	COMIRFX NO:	
BE/ORJ NO: []	EPF CAT : 30C	
HOHSIPU IRON PLANT	CH 382230N 1020505E	
WAC NO : []	NPIC NO :	25X1
IDHS CODE: []	COMIREX NO:	
BE/ORJ NO: []	EPF CAT : 30C	
LANCHOU IRON PLANT	CH 360150N 1035105E	
WAC NO : []	NPIC NO : - 3-56	25X1
IDHS CODE: []	COMIREX NO:	
BE/ORJ NO: []	EPF CAT : 30C	

118
TOP SECRET CHESH RUFF

25X1
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TOP SECRET CHESS RUFF

25X1
25X1

SHANTAN IRON PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 384600N 1010645E
NPIC NO :
COMIREX NO:
CH 394855N 0981723E
NPIC NO : - 2-C
COMIREX NO:

25X1

CHIUCHUAN IRON + STEEL PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 394855N 0981723E
NPIC NO : - 2-C
COMIREX NO:

25X1

THERE ARE FIVE PLANTS IN KANSU PROVINCE ENGAGED IN THE PRODUCTION OF IRON AND STEEL. FOUR ARE PIG IRON PLANTS AND ONE IS AN IRON AND STEEL PLANT.

THERE ARE SEVEN SMALL BLAST FURNACES AND ONE EXTRA-LARGE BLAST FURNACE AT THE PLANTS THAT ARE CAPABLE OF PRODUCING AN ESTIMATED 2,970 METRIC TONS OF PIG IRON PER DAY. A POSSIBLE ELECTRIC FURNACE BUILDING IS IN USE IN THE PROVINCE.

NO NEW CONSTRUCTION ACTIVITY WAS EVIDENT AT THE PLANTS. A COKE OVEN BATTERY WAS BEING REBUILT AT LAN-CHOU IRON PLANT. THE LAN-CHOU AND SHAN-TAN IRON PLANTS AND CHIU-CHUAN IRON AND STEEL PLANT WERE OPERATING WHEN SEEN ON JULY 1977 PHOTOGRAPHY. THE CHIU-CHUAN 2 AND HO-HSI-PU IRON PLANTS DID NOT APPEAR TO BE OPERATING WHEN LAST SEEN.

THIS REPORT SUMMARIZES THE PRODUCTION FACILITIES AND PROVIDES AN ANNOTATED PHOTOGRAPH OF ONE PLANT. A MAP SHOWING PLANT LOCATIONS IS ALSO INCLUDED. THE CUTOFF DATE FOR INFORMATION IN THIS REPORT IS JULY 1977.

CIA BIIR RCS13-0001-78

DEC 77

SEC CLASS: 13

MSN:

7P

ACCN: S08244

25X1

HSINING IRON PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 364415N 1014557E
NPIC NO :
COMIREX NO:
CH 363305N 1013215E
NPIC NO :
COMIREX NO:

25X1

HUANGCHUNG IRON PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 364012N 1014008E
NPIC NO : - 5-K1
COMIREX NO:
CH 363242N 1013212E
NPIC NO : - 54-A1
COMIREX NO:

25X1

HSINING STEEL PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 364012N 1014008E
NPIC NO : - 5-K1
COMIREX NO:
CH 363242N 1013212E
NPIC NO : - 54-A1
COMIREX NO:

25X1

HUANGCHUNG STEEL PRODUCTS PLANT

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 30C

CH 363242N 1013212E
NPIC NO : - 54-A1
COMIREX NO:

25X1

THERE ARE FOUR PLANTS IN TSINGHAI PROVINCE THAT ARE ENGAGED IN THE PRODUCTION OF IRON, STEEL, AND ROLLED STEEL PRODUCTS. TWO ARE PIG IRON PLANTS, ONE IS A STEEL PLANT, AND ONE IS A STEEL PRODUCTS PLANT.

THERE ARE THREE SMALL BLAST FURNACES AT TWO PLANTS WHICH ARE CAPABLE OF PRODUCING AN ESTIMATED 210 METRIC TONS OF PIG IRON PER DAY. AN ELECTRIC FURNACE BUILDING IS IN USE IN THE PROVINCE. IN ADDITION, THERE ARE FOUR ROLLING MILLS WITH A TOTAL ROOF COVER OF APPROXIMATELY 51,750 SQUARE METERS.

NO CONSTRUCTION ACTIVITY WAS EVIDENT AT ANY OF THE PLANTS. ONLY THE HSI-NING STEEL PLANT WAS OPERATING WHEN SEEN ON THE LATEST AVAILABLE PHOTOGRAPHY. THE OTHER THREE PLANTS DID NOT APPEAR TO BE OPERATING WHEN LAST OBSERVED.

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

THIS REPORT SUMMARIZES THE PRODUCTION FACILITIES AT EACH PLANT AND PROVIDES AN ANNOTATED PHOTOGRAPH OF A SELECTED PLANT. A MAP SHOWING PLANT LOCATIONS IS ALSO INCLUDED. THE CUTOFF DATE FOR INFORMATION IN THIS REPORT IS JULY 1977.

DIA BIIR BDA05-0003-77 JAN 78 SEC CLASS: 14B MSN: 3P ACCN: S082425X1

ROSS AIRFIELD GCA SITE	UR	531816N 0242206E	
WAC NO :	BE/OBJ NO :	NPIC NO :	25X1
IDHS CODE :	EPF CAT : 25H	COMIREX NO :	
ROSS AIRFIELD AW RADAR FACILITY	UR	531919N 0242200E	
WAC NO :	BE/OBJ NO :	NPIC NO : - 63-A	25X1
IDHS CODE :	EPF CAT : 25H	COMIREX NO :	
ROSS AAM SUPPORT FACILITY	UR	531756N 0242301E	
WAC NO :	BE/OBJ NO :	NPIC NO :	25X1
IDHS CODE :	EPF CAT : 40J	COMIREX NO :	
ROSS AIRFIELD	UR	531810N 0242206E	
WAC NO :	BE/OBJ NO :	NPIC NO : - 63	25X1
IDHS CODE :	EPF CAT : 05A	COMIREX NO :	25X1

THIS REPORT HAS BEEN PREPARED IN ACCORDANCE WITH DIA RESPONSIBILITIES FOR THIRD PHASE IMAGERY EXPLOITATION UNDER THE NATIONAL TASKING PLAN TO UPDATE EXISTING BASIC REPORTS. DIA, RDA-05/0086/74, ROSS AIRFIELD U.S.S.R., JUL 74, (TOP SECRET RUFF) IS DESIGNATED THE BASIC REPORT FOR THIS TARGET. ALL PERTINENT IMAGERY AVAILABLE TO THIS AGENCY ON THE REPORTING CUTOFF DATE OF 20 OCTOBER 1976 HAS BEEN UTILIZED.

IT INCLUDES SIGNIFICANT CHANGES WHICH OCCURED AT THE AIRFIELD DURING THE PERIOD AUGUST 1971 TO OCTOBER 1976. A REVISED CHRONOLOGY WITH AIR ORDER-OF-BATTLE INFORMATION HAS BEEN INCLUDED.

NPIC BIIR RCA19-0001-78 DEC 77 SEC CLASS: 14B MSN: 16P ACCN: S082425X1

EMBA MTC	UR	483800N 0580300E	
WAC NO :	BE/OBJ NO :	NPIC NO : - 22	25X1
IDHS CODE :	EPF CAT : 40E	COMIREX NO :	25X1

CONSTRUCTION OF NEW FACILITIES AND THE EXPANSION OF PREVIOUSLY EXISTING FACILITIES CONTINUED SLOWLY AT THE EMBA MISSILE TEST CENTER DURING THE REPORTING PERIOD OF 19 NOVEMBER 1975 THROUGH 19 SEPTEMBER 1977.

SIGNIFICANT IDENTIFICATIONS OF NEW EQUIPMENT INCLUDED A FOUR-MISSILE VERSION OF THE AREA A TRANSPORTER-ERECTOR-LAUNCHER (TEL) AND THE EM-1 MISSILE AT LAUNCH AREA A, A RADAR/RADAR CALIBRATION VAN AT ELECTRONICS FACILITY B, A MOBILE PLANAR RADAR AT LAUNCH AREA C, AND A NEW TYPE OF PROBABLE RADAR VAN AND A PROBABLE ELECTRONICS-RELATED VEHICLE AT THE EMBA UNIDENTIFIED MISSILE-ASSOCIATED INSTALLATION.

OTHER SIGNIFICANT DEVELOPMENTS INCLUDED AN INTERFEROMETER UNDER CONSTRUCTION AT TRACKING FACILITY 7 AND ADDITIONAL CINETHEODOLITES UNDER CONSTRUCTION AT TRACKING FACILITIES 4, 5, AND 7. ADDITIONAL IMAGERY-DERIVED INFORMATION WAS OBTAINED ON THE AREA A TEL, THE PAD C-1 CANISTER TEL, AND THE EM-EL-03 RADAR. A DETAILED DISCUSSION OF THE TELEMETRY ANTENNAS AND RADARS AT ELECTRONICS FACILITY A IS INCLUDED IN

120
TOP SECRET CHESS RUFF

25X1

25X1



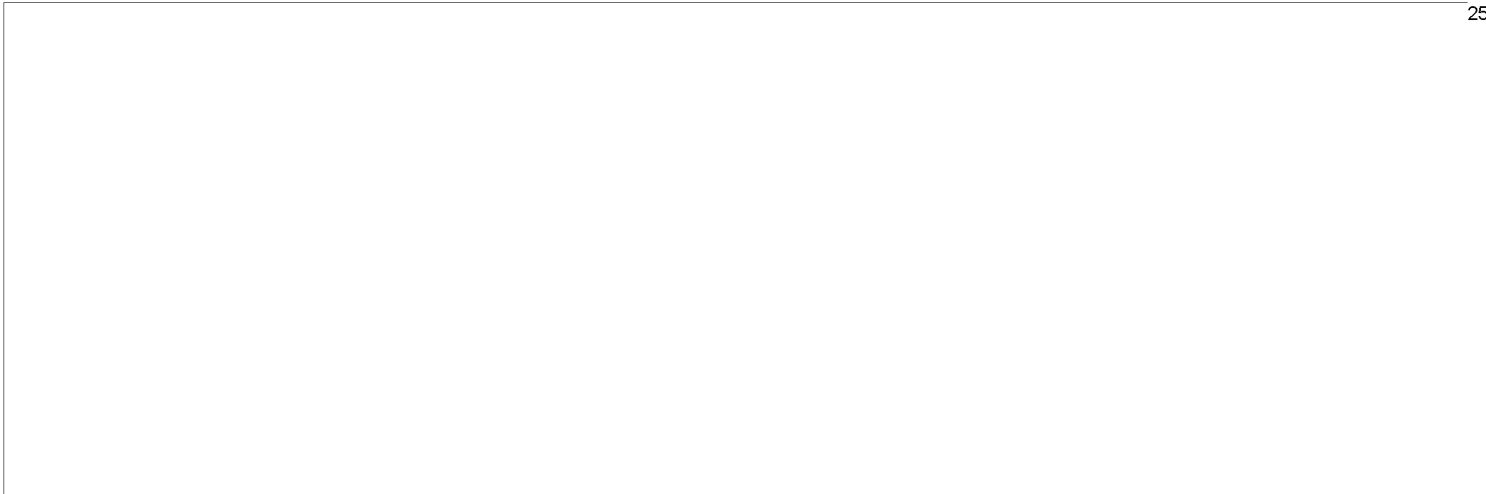
TOP SECRET CHESS RUFF



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25X1

THIS REPORT.
THIS REPORT CONTAINS 13 PHOTOGRAPHS, FIVE CONCEPTUAL DRAWINGS, AND A LOCATION MAP. IT UPDATES NPIC REPORT ON THE EMBA MISSILE TEST CENTER.

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25X1



NPIC PIR PIR042-77 JAN 78 SFC CLASS: 14B MSN: 7P ACCN: S082451 ^{25X1}

ELECTRONICS, EW RADAR STORAGE RESERVE	UR	
WAC NO :	BE/ORJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 25A	COMTRFX NO:
CHIRCHIK AIRFIELD TALL KING AW RADAR FACILITY	UR	412820N 0693210E
WAC NO :	BE/ORJ NO:	NPIC NO : - 10-84
IDHS CODE:	EPF CAT :	COMTRFX NO:
KRASNOYARSK ARMY BARRACKS AL2	UR	560252N 0925551E
WAC NO :	BE/ORJ NO:	NPIC NO : - 7-A1
IDHS CODE:	EPF CAT :	COMTRFX NO:
MUKACHEVO ARMY BARRACKS	UR	482500N 0224132E
WAC NO :	BE/ORJ NO:	NPIC NO : - 107-A2

25X1
25X1
25X1
25X1

121
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: [] EPF CAT : 35A COMIREX NO: []
 KHABAROVSK ARTILLERY ENGINEER DEPOT D02 UR 482131N 1350219E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 14-B
 IDHS CODE: [] EPF CAT : 35F COMIREX NO: []

25X1

25X1

25X1

THIS REPORT IS A SUPPLEMENT TO NPIC REPORT [] SOVIET REGIMENT-SIZED EARLY WARNING FACILITIES, USSR. IT CONTAINS AN INTRODUCTION, A LOCATION MAP, TWO TABLES, A BASIC DESCRIPTION, AND ANNOTATED PHOTOGRAPHS.

25X1

THE RESERVE EARLY WARNING (EW) STORAGE FACILITIES DISCUSSED IN THIS REPORT CONTAIN REGIMENT-SIZED CONCENTRATIONS OF EW RADARS, ALL PARKED IN THE TRANSIT MODE, IN SETS, AND IN OPEN STORAGE. THESE RADARS COULD BE USED TO SUPPLEMENT OR REPLACE DAMAGED RADARS AT PVO STRANY AIR WARNING (AW) RADAR SITES AND/OR RADARS ORGANIC TO THE ARMY/FRONT UNITS.

RESERVE EW STORAGE FACILITIES WERE RECENTLY IDENTIFIED AT THE FOLLOWING THREE INSTALLATIONS IN THE SOVIET UNION: CHIRCHIK AIRFIELD AW RADAR FACILITY TALL KING ON IMAGERY OF [] KRASNOYARSK ARMY BARRACKS AL-2/TA-1 ON IMAGERY OF [] AND MUKACHEVO ARMY BARRACKS ON IMAGERY OF []

25X1

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25X1

[] SEVEN REGIMENT-SIZED RESERVE EW FACILITIES HAVE NOW BEEN IDENTIFIED IN THE USSR. A NEW TYPE OF EW-ASSOCIATED FACILITY WHICH CONTAINS A HIGH CONCENTRATION OF EW RADARS WAS IDENTIFIED ON IMAGERY OF [] IN THE ORDNANCE STORAGE AREA AT KHABAROVSK ARTILLERY ENGINEERING DEPOT D0-2. THIS FACILITY DIFFERS FROM THE PREVIOUSLY IDENTIFIED REGIMENT-SIZED ACTIVE EW UNITS, RESERVE EW STORAGE UNITS, AND EW MAINTENANCE/REPAIR FACILITIES, DESCRIBED IN THE PRECEDING REPORT.

25X1

A LISTING OF THE NUMBERS AND TYPES OF RADARS OBSERVED AT EACH OF THE NEWLY IDENTIFIED INSTALLATIONS IS INCLUDED.

NPIC SR SR006-78 JAN 78 [] SEC CLASS: 14B MSN: [] 3P

ACCN: 5082425X1

FEODOSIYA SHIPYARD YUZNAYA TOCHKA EXPANSION UR 450712N 0352954E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 7-B
 IDHS CODE: [] EPF CAT : 75E COMIREX NO: []

25X1

25X1

A MAJOR EXPANSION PROJECT THAT INCLUDES A NEW TRANSVERSER AND A PROBABLE CONSTRUCTION OR REPAIR HALL IS UNDERWAY ON THE EAST SIDE OF THE BASIN AT FEODOSIYA SHIPYARD YUZNAYA TOCHKA, USSR. BETWEEN 25 DECEMBER 1975 AND 29 JULY 1976, CONSTRUCTION BEGAN ON A 76-METER-WIDE TRANSVERSER. ON 27 NOVEMBER 1977 THE TRANSVERSER WAS 256 METERS LONG. HOW LONG THE TRANSVERSER WILL BE WHEN COMPLETE CANNOT BE DETERMINED AT THIS TIME. FOOTINGS FOR A STRUCTURE PERPENDICULAR TO THE TRANSVERSER WERE ALSO CONSTRUCTED. THESE FOOTINGS EXTEND 194 METERS ON A NORTH/SOUTH AXIS AND ARE 27 METERS WIDE. ADDITIONALLY, EXCAVATION, FILLING, AND GRADING ACTIVITY WAS IN PROGRESS IN A LARGE AREA IMMEDIATELY EAST OF THESE FOOTINGS AND THE TRANSVERSER.

25X1

122
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

NPIC SR SR004-78 JAN 78 [] SEC CLASS: 14E MSN: [] 3P ACCN: 508245 25X1

MILITARY, AIR DEFENSE ACTIVITY PAOTOU/KUYANG	CH
WAC NO : [] BE/OBJ NO: []	NPIC NO : []
IDHS CODE: [] EPF CAT : 35	COMIREX NO: []
PAOTOU AIR DEFENSE ACTIVITY	CH 4035 N 11001 E
WAC NO : 0288 BE/OBJ NO: []	NPIC NO : []
IDHS CODE: [] EPF CAT : 35	COMIREX NO: []

AIR DEFENSES IN THE PAO-TOU/KU-YANG AREA HAVE BEEN REALIGNED AND IMPROVED, ACCORDING TO IMAGERY ACQUIRED BETWEEN [] THE TOTAL NUMBER OF ANTI-AIRCRAFT ARTILLERY (AAA) PIECES IN THE AREA IS APPROXIMATELY THE SAME, BUT THE AAA SITES BETWEEN KU-YANG AND PAO-TOU AND SOUTHWEST OF PAO-TOU HAVE BEEN ABANDONED IN FAVOR OF A NEW LINE OF DEFENSE TO THE NORTHWEST OF PAO-TOU. A NEW PERMANENT CSA-1 SURFACE-TO-AIR MISSILE (SAM) SITE WAS OBSERVED UNDER CONSTRUCTION NORTHWEST OF PAO-TOU DURING THE SAME PERIOD AND AN OCCUPIED, TEMPORARY FIELD-DEPLOYED CSA-1 SITE WAS IN THE SAME AREA.

25X1

NPIC SR SR003-78 JAN 78 [] SEC CLASS: 14D MSN: [] 2P ACCN: 508245 25X1

USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR 434932N 1315650E
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 49-A
IDHS CODE: [] EPF CAT : 35A	COMIREX NO: []
USSURIYSK ARMY BKS AL2/HQ ARTY BR M-1975 DPL	UR 434932N 1315650E
WAC NO : [] BE/OBJ NO: []	NPIC NO : - 49-A
IDHS CODE: [] EPF CAT : 25A	COMIREX NO: []

25X1

25X1

25X1

25X1

25X1

ON [] FOUR BATTLEFIELD RADARS M-1975 (BIG FRED) WERE OBSERVED AT USSURIYSK ARTILLERY DIVISION HEADQUARTERS/BARRACKS NORTH AL 2, USSR. THIS WAS THE FIRST IDENTIFICATION OF THE SOVIETS' LATEST ARTILLERY-ASSOCIATED TARGET ACQUISITION RADAR DEPLOYED WITH ARTILLERY IN THE SOVIET UNION. A BIG FRED RADAR WAS COLLOCATED WITH A BMP (ARMORED AMPHIBIOUS TRACKED VEHICLE) VARIANT M-1975 (SMALL FRED) IN EACH OF THE FOUR ARTILLERY REGIMENTS IN THE ARTILLERY DIVISION. THE ARTILLERY REGIMENTS WERE COMPOSED OF EITHER 130MM M-46 OR 152MM D-20 FIELD ARTILLERY PIECES.

25X1

123
TOP SECRET CHESS RUFF

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

[Redacted]

25X1

25X1

25X1

25X1

25X1

25X1

25X1

NPIC SR SR002-78 JAN 78 [Redacted] SEC CLASS: 14D MSN: [Redacted] 3P ACCN: S082458 25X1

NOVOSYSOYEVKA IRBM SITE 2 SP GUN HVY NEW DPL UR 440725N 1332810E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 57-C
IDHS CODE: [Redacted] EPF CAT : 40B COMIREX NO: [Redacted]
MILITARY, SELF-PROPELLED GUN HEAVY NEW UR
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO :
IDHS CODE: [Redacted] EPF CAT : 35E COMIREX NO:

25X1

25X1

ON IMAGERY OF [Redacted] A NEW, HEAVY SELF-PROPELLED (SP) GUN WAS OBSERVED WITH THE HEAVY ARTILLERY BRIGADE AT NOVOSYSOYEVKA IRBM LAUNCH SITE 2, USSR. THIS IS THE FIRST CONFIRMED DEPLOYMENT OF THIS GUN ALONG THE SINO-SOVIET BORDER. THREE PROBABLE NEW HEAVY SP GUNS, UNDER CAMOUFLAGE NETTING, WERE OBSERVED AT NOVOSYSOYEVKA ON IMAGERY OF [Redacted] THIS TYPE OF GUN WAS FIRST IDENTIFIED IN APRIL 1976 AT THE LENINGRAD TANK TESTING AREA.

25X1

25X1

THIS IS ALSO THE FIRST CONFIRMED DEPLOYMENT OF THIS TYPE OF SP GUN AT A FACILITY CONTAINING THE 240MM SP HEAVY MORTAR. THIS MORTAR WAS FIRST SEEN AT NOVOSYSOYEVKA ON [Redacted]

25X1

ARMY BIIR RAC24-5001-78 DEC 77 SEC CLASS: 05 MSN: [Redacted] 15P ACCN: S082459

ELECTRONICS, TEAM WORK RADAR SYSTEM CH
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO :
IDHS CODE: [Redacted] EPF CAT : 25A COMIREX NO:

25X1

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1

THIS BASIC IMAGERY INTERPRETATION REPORT PROVIDES INFORMATION WHICH RECENTLY BECAME AVAILABLE ON THE TEAM WORK RADAR SYSTEM.

THE TEAM WORK RADAR IS A MOBILE FIRE-CONTROL RADAR SYSTEM PRODUCED IN THE PEOPLE'S REPUBLIC OF CHINA (PRC). ITS ROLE AND DEPLOYMENT ARE PATTERNED AFTER THE FIRE CAN RADAR OF SOVIET DESIGN. DEPLOYMENT OF THE TEAM WORK SYSTEM ENHANCES THE PRC'S AIR DEFENSE CAPABILITY AND IS CONSISTENT WITH THE PRC'S PHILOSOPHY OF SELF-IMPROVEMENT THROUGH INDIGENOUS DESIGN AND PRODUCTION OF ELECTRONIC HARDWARE.

THIS REPORT INCLUDES A BASIC AND PHYSICAL DESCRIPTION, DETAILED PERSPECTIVE DRAWINGS, ORTHOGRAPHIC DRAWINGS, AND DEPLOYMENT TRENDS OF THE TEAM WORK. THE INFORMATION PROVIDED IS CURRENT AS OF OCTOBER 1977.

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25X1

25X1

NPIC MEMO

13 JAN 78

SEC CLASS: 13

MSN:

2P

ACCN: S08246 25X1

BORISOV U/I CLEARING/CONSTRUCTION AREA

UR 5415 N 02842 E

WAC NO : 0168

BE/OBJ NO:

NPIC NO :

IDHS CODE:

EPF CAT : 10B

COMIREX NO:

125

TOP SECRET CHESS RUFF

25X1

25X1



TOP SECRET CHESS RUFF



25X1
25X1

NPIC IIR IIR003-78 12 JAN 78 SEC CLASS: 05A MSN: 2P ACCN: S082463

BOLE AIRFIELD COCK/CLASSIC/CUB/CURL/FISHBED ET 085840N 0384753E
WAC NO : BE/OBJ NO: NPIC NO : - 1-A
IDHS CODE: EPF CAT : 05A COMIREX NO:

25X1
25X1

FOUR SOVIET TRANSPORT AIRCRAFT WERE OBSERVED AT BOLE INTERNATIONAL AIRFIELD ON IMAGERY OF
A COCK AND A CLASSIC (BOTH WITH POSSIBLE SOVIET MARKINGS), ONE CUB, AND ONE CURL WERE PRESENT IN THE
MILITARY SECTION OF THE AIRFIELD. THE AIRCRAFT WERE PROBABLY PART OF THE REPORTED SOVIET AIRLIFT TO
ETHIOPIA. A FISHBED AIRCRAFT WAS ALSO OBSERVED IN THE SAME AREA; THIS WAS THE FIRST IDENTIFICATION OF
FISHBED AT BOLE INTERNATIONAL AIRFIELD. FISHBED AIRCRAFT WERE FIRST SEEN IN ETHIOPIA AT HARAR MEDA
AIRFIELD ON

25X1
25X1

25X1

NPIC IIR IIR005-78 23 JAN 78 SEC CLASS: 05 MSN: 2P ACCN: S082464

DURBAN PORT FACILITIES RESHEF CLASS P66 IDEMT SF 295230S 0310230E
WAC NO : BE/OBJ NO: NPIC NO : - 1
IDHS CODE: EPF CAT : 751 COMIREX NO:

25X1
25X1



25X1
25X1

CIA INFR IS10025-78 09 FEB 78 SEC CLASS: 05B MSN: 8P ACCN: S082465

ELECTRONICS, R-102M/R-140 RADIO STATIONS COMP UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25D COMIREX NO:
ELECTRONICS, R-140/R-102M RADIO STATIONS COMP UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25D COMIREX NO:

THE R-102M AND R-140 RADIO STATIONS ARE USED BY FRONT, ARMY, AND DIVISION COMMANDERS. ALTHOUGH THESE
RADIO STATIONS HAVE SIGNIFICANTLY DIFFERENT CAPABILITIES, THE INTELLIGENCE COMMUNITY HAD NOT BEEN ABLE TO
DIFFERENTIATE THEM. THE EXTERNAL FEATURES OF THESE TWO RADIO STATIONS HAVE NOW BEEN ESTABLISHED AND THEY
CAN BE CORRECTLY IDENTIFIED ON PHOTOGRAPHY.

THE R-102M RADIO STATION CONSISTS OF TWO, ROUND-TOP VAN BODIES MOUNTED ON ZIL-151/157 TRUCK CHASSIS.
THE R-140 RADIO STATION IS IN ONE VAN BODY MOUNTED ON A ZIL-157 OR A ZIL-131 TRUCK CHASSIS. THIS VAN BODY
IS CHAMFERED AND HAS SEVERAL ANTENNAS MOUNTED EXTERNALLY.

126
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1

NPIC MEMO 10 JAN 78 SEC CLASS: 13 MSN: 2P

ACCN: S0824

SLOVECHNO RAILWAY CONSTRUCTION

UR 5138 N 02904 E

WAC NO : 0233

BE/OBJ NO:

NPIC NO :

IDHS CODE:

EPF CAT : 85B

COMIREX NO:

25X1

NPIC MCS MCS011-77 DEC 77 SEC CLASS: 14 MSN: 125P

ACCN: S0824

MCS

WAC NO :

BE/OBJ NO:

NPIC NO :

IDHS CODE:

EPF CAT : 60A

COMIREX NO:

25X1

25X1

25X1

25X1

25X1

25X1

DIA BIIR RDA11-0012-77 JAN 78 SEC CLASS: 14 MSN: 8P

ACCN: S0824

SOMERSET WEST EXPLOSIVES + AMMUNITION LDG PLT

SF 340500S 0184820E

WAC NO :

BE/OBJ NO:

NPIC NO : - 10

IDHS CODE:

EPF CAT : 35G

COMIREX NO:

25X1

25X1

THIS DETAILED REPORT OF THE SOMERSET WEST EXPLOSIVES PLANT IS BASICALLY DERIVED FROM 1975 AND 1977 AERIAL IMAGERY. THE PLANT PRODUCES EXPLOSIVES AND PROPELLANTS USED IN THE MANUFACTURE OF SMALL ARMS AMMUNITION. IT OCCUPIES APPROXIMATELY 437 HECTARES ON THE WEST COAST OF SOUTH AFRICA. THE THREE FUNCTIONAL AREAS OF THE PLANT PROVIDE EXPLOSIVES MANUFACTURING, EXPLOSIVES/PROPELLANT PROCESSING, AND EXPLOSIVES STORAGE. THESE AREAS CONTAIN 409 BUILDINGS/STRUCTURES WITH A TOTAL ROOF COVER/RETTED STORAGE OF 87,203 SQUARE METERS AND ONE MAJOR OPEN STORAGE AREA OF 5,556 SQUARE METERS. THE PLANT WAS ORIGINALLY CONSTRUCTED IN 1905 BY THE DE BEERS COMPANY AND INCORPORATED INTO THE CURRENT AFRICAN EXPLOSIVES AND CHEMICAL INDUSTRIES IN 1945. SOMERSET WEST WAS NOTED IN 1973 TO BE THE SECOND LARGEST EXPLOSIVES PLANT IN THE WORLD; NEARLY 2.5 MILLION CASES OF BLASTING EXPLOSIVES WERE PRODUCED IN 1967.

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
23A1

NPIC SR SR009-78 JAN 78 [] SEC CLASS: 14D MSN: [] 4P ACCN: S0825025X1

NANNING/KUANGCHOU MICROWAVE RADIO RELAY SYS CH 2248 N 10818 E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : [] 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
 KUANGCHOU/NANNING MICROWAVE RADIO RELAY SYS CH 2307 N 11315 E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : [] 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: []

THIS REPORT SUMMARIZES THE CONSTRUCTION OF A SYSTEM OF MICROWAVE RADIO RELAY (RADREL) STATIONS BETWEEN NAN-NING AND CANTON IN CANTON MILITARY REGION, CHINA. THIS SYSTEM, WHICH CONSISTS OF TEN CONFIRMED AND THREE PROBABLE RADREL STATIONS IN AN APPROXIMATE EAST/WEST ALIGNMENT COVERING ABOUT 470 KILOMETERS, WAS OBSERVED UNDER DEVELOPMENT BETWEEN DECEMBER 1976 AND DECEMBER 1977.

NPIC MCS MCS001-78 JAN 78 [] SEC CLASS: 14 MSN: [] 47P ACCN: S0825025X1

MCS []
 WAC NO : [] BE/OBJ NO: [] NPIC NO : []
 IDHS CODE: [] EPF CAT : 60A COMIREX NO: []

NPIC MEMO [] 09 JAN 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S0825025X1

BISTRITA ARMY BKS MOUNTAIN INF BRGD NEW SRCH RO 470800N 0243050E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 240-A4 25X1
 IDHS CODE: [] EPF CAT : 35A COMIREX NO: [] 25X1

DIA IIM 5B3-52017-78 02 FEB 78 [] SEC CLASS: 13 MSN: [] 6P ACCN: S0825025X1

TAGANROG AIRFRAME PLT 86 CANDID/MOSS MSRMTS UR 471150N 0385220E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 38-D 25X1
 IDHS CODE: [] EPF CAT : 05G COMIREX NO: [] 25X1
 AIRCRAFT, CANDID IL-76 MEASUREMENTS UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : [] 25X1
 IDHS CODE: [] EPF CAT : 05D COMIREX NO: []
 AIRCRAFT, MOSS TU-126 MEASUREMENTS UR
 WAC NO : [] BE/OBJ NO: [] NPIC NO : [] 25X1
 IDHS CODE: [] EPF CAT : 05D COMIREX NO: []

128
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Redacted]

25X1

[Redacted]

25X1

25X1
25X1

[Redacted]

25X1

AF PAR 690-77 20 OCT 77 [Redacted] SEC CLASS: 13 MSN: [Redacted] 2P ACCN: S0825(25X1)

129
TOP SECRET CHESS RUFF [Redacted]

[Redacted]
25X1
25X1

TOP SECRET CHESS RUFF [redacted]

25X1

HSITSANGTZUCHIHCHU BALLISTIC MSL SITE SEARCH CH 3500 N 08500 E
WAC NO : [redacted] BE/OBJ NO: NPIC NO :
IDHS CODE: [redacted] EPF CAT : 40 COMIREX NO:

25X1

[redacted] 25X1
[redacted] 25X1
[redacted] 25X1
[redacted] 25X1

[redacted] 25X1

AF PAR 706-77 31 OCT 77 [redacted] SEC CLASS: 13 MSN: 5P ACCN: S0825 25X1

AIRCRAFT, RAM A ACTIVITY/DEPLOYMENT UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 05 COMIREX NO:
AIRCRAFT, AERODYNAMIC VEH U/I ACTIVITY/EQUIP UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 05 COMIREX NO:
GNOYNO ASM SUPPORT FACILITY RAM A ACTIVITY UR 505525N 0242640E
WAC NO : BE/OBJ NO: NPIC NO : - 44-A1 25X1
IDHS CODE: EPF CAT : 40J COMIREX NO: 25X1
MARCIENA MISSILE SUPPORT FACILITY RAM A ACT UR 564650N 0260500E
WAC NO : BE/OBJ NO: NPIC NO : - 108 25X1
IDHS CODE: EPF CAT : 40 COMIREX NO: 25X1

130
TOP SECRET CHESS RUFF [redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1

RAM-A ACTIVITY IS EVIDENT AT ONLY TWO LOCATIONS FROM JAN 77 TO OCT 77 -- GNOYNO ASM SUPPORT FACILITY AND MARCIENA MISSILE SUPPORT FACILITY. FTD DRAWING 77B4519, WHICH SUPPLEMENTS THIS REPORT, DEPICTS FTD'S LATEST ASSESSMENT OF THE RAM-A PLANFORM.

NEW CANISTER-TRANSPORTERS AND RELATED ACTIVITY ARE EVIDENT AT MARCIENA MISSILE SUPPORT FACILITY AND PRUZHANY ARMY BARRACKS. THESE VEHICLES ARE SIMILAR TO THE CANISTER-TRANSPORTERS ASSOCIATED WITH AN UNIDENTIFIED AERODYNAMIC VEHICLE OBSERVED AT KAPUSTIN YAR CRUISE TEST COMPLEX D, SITE D-3.

AF PAR 707-77 04 NOV 77 [] SEC CLASS: 13 MSN: [] 3P ACCN: S08225X1:1

PLESETSK MTC ESV TRACKING FACILITY

UR 625357N 0403329E

WAC NO : []

BE/OBJ NO: []

NPIC NO : - 27-N

IDHS CODE: []

EPF CAT : 25C

COMIREX NO: []

25X1
25X1

DRAWING 68E6542/5 AND PARS 74-693 AND 76-657 SUPPLEMENT THIS REPORT.*

25X1

25X1
25X1

25X1
25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

THE FIELD DEPLOYED IIX LCF SITES HAVE CHARACTERISTIC SIGNATURES WHICH APPEAR TO CORRELATE WELL WITH THE LAUNCH SILO TYPE AND PROBABLY WITH THE MISSILE SYSTEM CONTROLLED BY THE LCF IN EACH GROUP. THE PROMINENT SITE SIGNATURES ARE DISCUSSED IN DETAIL.
PAR 77-573 AND DRAWINGS 75E1504/73 AND 77E1509 SUPPLEMENT THIS REPORT.*

25X1
25X1
25X1

AF PAR 713-77 23 NOV 77 [REDACTED] SEC CLASS: 13 MSN: [REDACTED] 5P ACCN: S082517 25X1

PLESETSK MTC MOBILE ICBM FICIL 2 ELECTRONICS	UR 625117N 0403429E	
WAC NO : [REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO : - 27-J2
IDHS CODE: [REDACTED]	EPF CAT : 25C	COMIREX NO: [REDACTED]
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]

25X1
25X1
25X1
25X1

PARS 76-627, 76-665, 77-661, 76-680, 74-676, 74-665 AND 77-618 AND DRAWINGS 77E6518, 76E1517/1 AND 75E6524/2 SUPPLEMENT THIS REPORT.*

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25X1
25X1
25X1
25X1

25X1
25X1
25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS REPORT IS AN UPDATED PHOTO ANALYSIS OF THE PERM AIRCRAFT ENGINE PLANT STALIN 19 AND THE SOLOVYEV DESIGN BUREAU. IT COMMENTS ON CONSTRUCTION AND MODIFICATIONS WHICH HAVE TAKEN PLACE IN THE DESIGN BUREAU DURING THE PERIOD MARCH 1976 TO NOVEMBER 1977. ANNOTATIONS ARE KEYED TO DRAWINGS 71D6545/5, 70B4507/2, AND 70B4508/2.*

AF PAR 716-77 22 NOV 77 [] SEC CLASS: 13 MSN: [] 2P ACCN: 508252 25X1

NURATA TROPOSCATTER STATION UR 402332N 0655912E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 24 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1
 CHIMKURGAN RADIO RELAY FACILITIES SEARCH UR 4020 N 06742 E 25X1
 WAC NO : [] BE/OBJ NO: [] NPIC NO : []
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
 ALMALYK RADIO RELAY FACILITIES SEARCH UR 4048 N 06957 E 25X1
 WAC NO : [] BE/OBJ NO: [] NPIC NO : []
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: []
 ADRASMAN RADIO RELAY STATION NE UR 404307N 0700537E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50-A 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

AF PAR 717-77 02 DEC 77 [] SEC CLASS: 13 MSN: [] 5P ACCN: 508252 25X1

ROMANTSEVO RADIO COMMUNICATONS RCVR SITE B UR 551704N 0373350E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 70-C4 25X1
 IDHS CODE: [] EPF CAT : 25D COMIREX NO: [] 25X1

THE ROMANTSEVO RADCOM RCVR SITE B IS LOCATED IN A HEAVILY WOODED AREA APPROXIMATELY 50 KM SOUTH OF MOSCOW. THE SECURED SITE (DOUBLE-FENCED ALONG ITS NORTH, EAST, AND WEST SIDES) COVERS AN AREA OF ABOUT 2 SQUARE KM. THE SITE PRESENTLY CONSISTS OF A MAIN OPERATIONS AREA, A SECONDARY OPERATIONS AREA, MISCELLANEOUS SUPPORT BUILDINGS, AND AN HF ANTENNA FIELD. THIS REPORT CONTAINS A DETAILED DESCRIPTION OF THE SITE; A TABLE OF ANTENNA TYPES, SIZES, AND ORIENTATIONS; AND A CHRONOLOGY OF CONSTRUCTION.*

AF PAR 723-77 28 NOV 77 [] SEC CLASS: 13 MSN: [] 2P ACCN: 508252 25X1

PINGPA AIRCRAFT MANUFACTURING PLANT SEARCH CH 262620N 1061715E
 WAC NO : 0496 BE/OBJ NO: [] NPIC NO : []
 IDHS CODE: [] EPF CAT : 05G COMIREX NO: [] 25X1

AF PAR 724-77 02 DEC 77 [] SEC CLASS: 13 MSN: [] 2P ACCN: 508252 25X1

CHINGYU MTC TRACKING FACILITY WNW CH 422552N 1263521E
 WAC NO : [] BE/OBJ NO: [] NPIC NO : - 32-A1 25X1
 IDHS CODE: [] EPF CAT : 25C COMIREX NO: [] 25X1

133
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

THIS REPORT PROVIDES A DETAILED PHOTO ANALYSIS OF THE CHING-YU MTC TRACKING FACILITY WNW.*

25X1

25X1

AF ENDR A1524-1-76 04 NOV 77 [] SEC CLASS: 13 MSN: [] 1P ACCN: S08252[] 25X1

AIRCRAFT, CHECH B
WAC NO :
IDHS CODE: BE/OBJ NO: [] NPIC NO :
EPF CAT : 05B COMIREX NO:

25X1

AF ENDR B4507-2-70 11 NOV 77 [] SEC CLASS: 13 MSN: [] 1P ACCN: S08252[] 25X1

PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 1 UR 575848N 0561508E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 16-D
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

THIS ENGINEERING DRAWING SUPPLEMENTS, PAR 77-706.*

AF ENDR B4508-2-70 18 JUN 76 [] SEC CLASS: 13 MSN: [] 1P ACCN: S08252[] 25X1

PERM AIRCRAFT ENG PLANT STALIN 19 TEST BLDG 2 UR 575848N 0561508E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 16-D
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR'S 70-561, 76-597, 77-715.*

AF ENDR B4519-77 31 OCT 77 [] SEC CLASS: 13 MSN: [] 1P ACCN: S08252[] 25X1

AIRCRAFT, RAM A
WAC NO :
IDHS CODE: BE/OBJ NO: [] NPIC NO :
EPF CAT : 05B COMIREX NO:

25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PARS 70-561, 76-597 AND 77-715.*

AF ENDR C3013-77 07 NOV 77 [] SEC CLASS: 05 MSN: [] 1P ACCN: S082529 []

AIRCRAFT, BADGER C TU-16 WEAPONS RACK MODIF UR
WAC NO : [] BE/OBJ NO: [] NPIC NO :
IDHS CODE: [] EPF CAT : 05D COMIREX NO:

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR C4520-77 08 NOV 77 [] SEC CLASS: 13 MSN: 1P ACCN: S082532 25X1

KRASNOARMEYSK FRAGMENTATION/MUN STATIC TESTS UR 561200N 0381700E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 55-B 25X1
IDHS CODE: [] EPF CAT : 35G COMIREX NO: [] 25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR 77-714.*

AF ENDR C4532-2-69 31 OCT 77 [] SEC CLASS: 13 MSN: 1P ACCN: S082532 25X1

ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELLS UR 474928N 0351147E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 47-E 25X1
IDHS CODE: [] EPF CAT : 05G COMIREX NO: [] 25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR'S 69-672, 76-580 AND 77-709.*

AF ENDR D1015-77 11 NOV 77 SEC CLASS: 07 MSN: 1P ACCN: S082534

ELECTRONICS, LAND ROLL ANTENNAS SA-8 RELATED UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 25C COMIREX NO: []

AF ENDR D1018-77 02 DEC 77 SEC CLASS: 05 MSN: 1P ACCN: S082535

MISSILES, AS-2 UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : [] 25X1

135
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE: EPF CAT : 40J COMIREX NO:

25X1

25X1

25X1

AF ENDR D6530-6-71 31 OCT 77 SEC CLASS: 13 MSN: 1P ACCN: S082

ZAPOROZHYE AIRCRAFT ENGINE PLT 478 DESIGN BUR UR 474928N 0351147E
WAC NO : BE/OBJ NO: NPIC NO : - 47-E
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1

25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR'S 76-580, 77-709, 70-700, 71-598 AND 69-672.*

AF ENDR D6532-77 21 OCT 77 SEC CLASS: 13 MSN: 1P ACCN: S082

KAZAN AIRFRAME PLANT B387 DESIGN BUREAU UR 555119N 0490231E
WAC NO : BE/OBJ NO: NPIC NO : - 14-L1
IDHS CODE: EPF CAT : 05G COMIREX NO:

25X1

25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR 77-686.*

AF ENDR D6545-5-71 11 NOV 77 SEC CLASS: 13 MSN: 1P ACCN: S082

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

25X1

25X1

THIS ENGINEERING DRAWING SUPPLEMENTS PAR'S 71-653, 76-597, 77-715 AND 70-561.*

AF ENDR E1017-77 15 NOV 77 SEC CLASS: 00B MSN: 1P ACCN: S082541

TOP SECRET CHESS RUFF

25X1

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Next 5 Page(s) In Document Denied

25X1
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25X1

25X1

25X1



TOP SECRET CHESS RUFF



25X1
25X1

LINGSHIH RADIO RELAY STATION BUNKERED CH 364600N 1115255E
WAC NO : BE/OBJ NO: NPIC NO : - 68-C4
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE LING-SHIH RADREL STA/BNK, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTO ANNOTATIONS SHOW THE ORIENTATION OF THE ENVIRONMENTAL SHELTER OPENINGS IN DEGREES, THE SIZE OF THE DISH ANTENNAS, THE CONTROL BUILDING, AND THE SUPPORT AREA.

ARMY PIM PIM021-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S08256 ^{25X1}

YENAN RADIO RELAY STATION CH 363520N 1092730E
WAC NO : BE/OBJ NO: NPIC NO : - 5-B3
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE YEN-AN RADREL STA, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTO ANNOTATIONS SHOW THE ORIENTATION OF THE ENVIRONMENTAL SHELTER OPENING IN DEGREES, THE SIZE OF THE ANTENNA DISH, CONTROL BUILDING AND SUPPORT AREA.

ARMY PIM PIM022-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S08256 ^{25X1}

CHIANGLO RADIO RELAY STATION SE CH 263700N 1173540E
WAC NO : BE/OBJ NO: NPIC NO : - 158-A2
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE CHIANG-LO RADREL STA SE IN THE PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADREL STATION. THE PHOTO DISPLAYS ANTENNA OPENING ORIENTATIONS, CONTROL BUNKER, SUPPORT AREA AND BUILDINGS.

ARMY PIM PIM023-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S08256 ^{25X1}

NINGCHIU RADIO RELAY STATION CH 374010N 1150300E
WAC NO : BE/OBJ NO: NPIC NO : - 150
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE NING-CHIU RADREL STA, IN THE PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADREL STATION. THE PHOTO DISPLAYS ANTENNA SIZE AND ORIENTATION IN DEGREES.

ARMY PIM PIM024-78 JAN 78 SEC CLASS: 13 MSN: 4P ACCN: S08256 ^{25X1}

145
TOP SECRET CHESS RUFF



25X1
25X1



TOP SECRET CHESS RUFF



25X1

PINGENGPU RADIO RELAY STATION

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25D

CH 374130N 1060555E
NPIC NO : - 47-6
COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE PING-ENG-PU RADREL STA, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTO ANNOTATIONS SHOW THE ORIENTATION AND SIZE OF THE PARABOLIC DISH ANTENNAS AND THE CONTROL BUILDING.

ARMY PIM PIM025-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S082591 25X1

HUANGCHUNG RADIO RELAY STATION SE

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25D

CH 362500N 1013830E
NPIC NO : - 5-P1
COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE HUANG-CHUNG RADREL STA SE, IN THE PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADREL FACILITY. THE PHOTO ANNOTATIONS SHOW THE SIZE AND ORIENTATION OF THE PARABOLIC DISH ANTENNA, THE CONTROL BUILDING AND SUPPORT BUILDINGS.

ARMY PIM PIM027-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S082592 25X1

HUNGSUPAO RADIO RELAY STATION

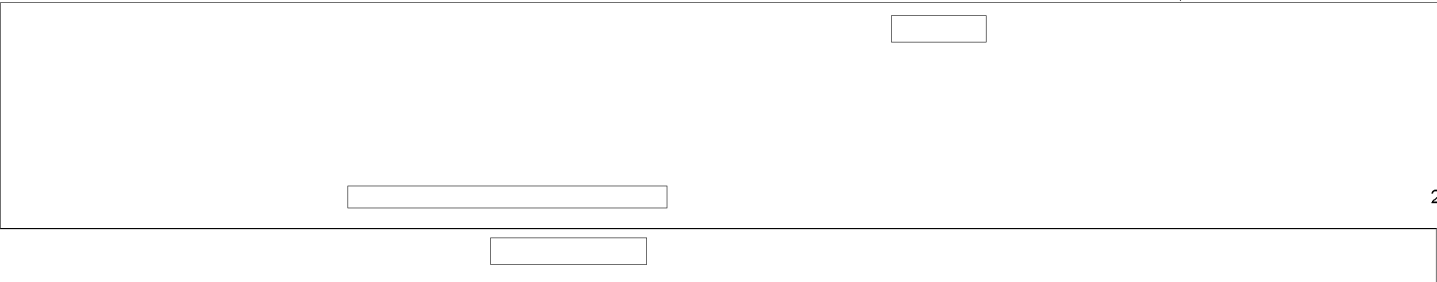
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 25D

CH 371842N 1061651E
NPIC NO : - 88
COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE HUNG-SU-PAO RADREL STA, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH DISPLAYING THE CONTROL BUNKER, THE SIZE AND ORIENTATION OF THE ANTENNA, AND SUPPORT AREA.



25X1
25X1

25X1
25X1
225X1

25X1 25X1

146
TOP SECRET CHESS RUFF



25X1
25X1



TOP SECRET CHESS RUFF



25X1
25X1

KUANGCHOU RADIO RELAY STATION NORTH POSS CH 231030N 1131735E
WAC NO : BE/OBJ NO: NPIC NO : - 2-X9
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE KUANG-CHOU RADREL STA NORTH, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT ARE TWO ANNOTATED PHOTOGRAPHS OF THE RADREL STATION. THE PHOTOGRAPHS DISPLAY THE STATION ANTENNAS, ALONG WITH DETAILED MENSURATION OF THE ANTENNAS AND THEIR ORIENTATIONS.

ARMY PIM PIM011-78 JAN 78 SEC CLASS: 14A MSN: 6P ACCN: S082596 25X11

KUANGCHOU TELEGRAPH BLDG EAST 1 PROB IDENT CH 230728N 1131708E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25B COMIREX NO:
KUANGCHOU RADIO RELAY TML EAST 2 PROB IDENT CH 230735N 1131800E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25D COMIREX NO:
KUANGCHOU ELECTRONICS ASSOC BLDG 3 PROB IDENT CH 230755N 1131810E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25 COMIREX NO:

25X1
25X1
25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE KUANG-CHOU PROB STADIUM TELEGRAPH BLDG, EAST NO. 1, KUANG-CHOU PROB RADREL TML BLDG, EAST NO. 2, AND KUANG-CHOU PROB ELEC ASSOC BLDG, EAST NO. 3. INCLUDED IN THIS REPORT ARE THREE ANNOTATED PHOTOGRAPHS DISPLAYING THE ANTENNAS ALONG WITH MENSURATED DATA AND ORIENTATIONS.

ARMY PIM PIM012-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S082597 25X1

LAIYUAN RADIO RELAY STATION SOUTH BUNKERED CH 391240N 1144210E
WAC NO : BE/OBJ NO: NPIC NO : - 53-A
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE LAI-YUAN RADREL STA S/BNK, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH DISPLAYING THE ORIENTATION OF THE ENVIRONMENTAL SHELTER OPENINGS, THE CONTROL BUNKER AND SUPPORT AREA ASSOCIATED WITH THE RADREL STATION.

ARMY PIM PIM016-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S082598 25X1

LIANGWANGSHAN RADIO RELAY STATION CH 244530N 1025350E
WAC NO : BE/OBJ NO: NPIC NO : - 4-C1
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

148
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE LIANG-WANG-SHAN RADREL STA, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY. THE PHOTO ANNOTATIONS SHOW THE ORIENTATION OF THE ENVIRONMENTAL SHELTER OPENINGS IN DEGREES, THE CONTROL BUNKER AND SUPPORT AREA.

ARMY PIM PIM026-78 JAN 78 SEC CLASS: 14A MSN: 4P ACCN: S0826025X1

CHINHUACHEN RADIO RELAY STATION CH 305950N 1050935E
WAC NO : BE/OBJ NO: NPIC NO : - 128
IDHS CODE: EPF CAT : 25D COMIREX NO:

25X1
25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF CHIN-HUA-CHEN RADREL STA, PEOPLES REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE FACILITY WITH ANNOTATIONS OF THE ANTENNA ENVIRONMENTAL SHELTERS, OPENING ORIENTATIONS, AND SIZE OF THE ANTENNA DISH.

CIA INFR LFD019-78 25 JAN 78 SEC CLASS: 13 MSN: 3P ACCN: S0826025X1

OSTROW MAZOWIECKA MILITARY INSTALLATION PL 5249 N 02151 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1

CIA INFR TSD004-78 23 JAN 78 SEC CLASS: 14 Y MSN: 6P ACCN: S0826025X1

MOSKVA OPTICAL-PHYSICAL MSRMTS RESEARCH INST UR 5545 N 03737 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 65A COMIREX NO:

25X1

THE ALL-UNION SCIENTIFIC RESEARCH INSTITUTE FOR OPTICAL-PHYSICAL MEASUREMENTS (VNIIOFI) IS REPORTEDLY DISPERSED IN SEVERAL AREAS OF MOSCOW. INFORMATION AND GROUND PHOTOGRAPHS PROVIDED IN REFERENCED REPORTS WAS USED TO LOCATE SEVERAL LABORATORY FACILITIES BELONGING TO THIS INSTITUTE.*

CIA INFR IS10003J-78 13 JAN 78 SEC CLASS: 24 MSN: 7P ACCN: S0826025X1

FEODOSIYA NAVAL MSL SUPT NAV SAM CMPNTS POSS UR 450808N 0353337E
WAC NO : BE/OBJ NO: NPIC NO : - 7-6
IDHS CODE: EPF CAT : 40G COMIREX NO:

25X1
25X1

A REVIEW OF PHOTOGRAPHY OF THE FEODOSIYA NAVAL TEST RANGE HAS REVEALED NO EVIDENCE OF FACILITY PREPARATIONS FOR A LAND BASED FLIGHT TEST PROGRAM OF A NEW NAVAL SURFACE-TO-AIR (SAM) SYSTEM. HOWEVER, MISSILE SYSTEM COMPONENTS WHICH COULD BE SAM RELATED HAVE BEEN IDENTIFIED RECENTLY AT THE FEODOSIYA NAVAL MISSILE SUPPORT FACILITY. SOME OF THESE COMPONENTS ARE SIMILAR TO THOSE ASSOCIATED WITH THE SA-X-10, A HIGH PERFORMANCE SAM UNDER DEVELOPMENT AT SARY SHAGAN. SINCE FEODOSIYA HAS NOT DONE LAND BASED SAM TESTING IN THE PAST--NAVAL SAM TESTING HAS BEEN CONDUCTED ONLY FROM AT SEA PLATFORMS--IT IS UNCERTAIN AS TO THE

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

SIGNIFICANCE OF THESE NEW COMPONENTS.

CIA INFR IS10006K-78 09 JAN 78 SEC CLASS: 13 MSN: 4P ACCN: S0826025X1

TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 85A
TRANSPORTATION, ROAD/RAIL NETWORK WAR DAMAGE	AO
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 85B
LUSO MILITARY INSTALLATION SOV/CUBAN ACT POSS	AO 114510S 0195100E
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 35A
MILITARY, DEFENSES/LOGISTICS	AO
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 35

25X1

ANALYSIS OF SATELLITE PHOTOGRAPHY REVEALS THAT THE ROAD AND RAIL NETWORK IN CENTRAL AND SOUTHERN ANGOLA IS SEVERELY DAMAGED. STRONG-POINTS AND OTHER MILITARY ACTIVITY ARE OBSERVED AT MANY OF THE ISOLATED TOWNS AND VILLAGES IN THE REGION AND THERE IS EVIDENCE OF A POSSIBLE SOVIET OR CUBAN PRESENCE AT LUSO IN CENTRAL ANGOLA.

25X1

25X1
25X1

CIA INFR IS10008K-78 11 JAN 78 SEC CLASS: 13 MSN: 2P ACCN: S0826025X1

LIMA EW RADARS SOVIET IDENTIFICATION	PE 1209 S 07701 W
WAC NO : 1135	BE/OBJ NO:
IDHS CODE:	EPF CAT : 25A
EL BUITRE MILITARY BARRACKS EQUIP BRAZILIAN	CI 183022S 0701722W
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 35A

25X1
25X1

25X1

25X1

150
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

NEW EQUIPMENT WAS IDENTIFIED IN BOTH PERU AND CHILE ON NOVEMBER 1977 PHOTOGRAPHY. SOVIET MANUFACTURED EARLY-WARNING RADARS WERE IDENTIFIED FOR THE FIRST TIME IN LIMA, PERU. IN CHILE CANVAS-COVERED TANKS (TYPE UNKNOWN) AND BRAZILIAN MANUFACTURED ARMORED VEHICLES WERE IDENTIFIED AT THE EL BUITRE BARRACKS AREA.*

25X1

25X1
25X1

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25X1

CIA INFR IS10028-77 12 JUL 77

SEC CLASS: 05 MSN: 2P

ACCN: S082608

SUEZ CANAL MILITARY TRAINING EXERCISES

WAC NO :

IDHS CODE:

FAID AIRFIELD CONSTRUCTION

WAC NO :

IDHS CODE:

BE/OBJ NO:

EPF CAT : 35B

BE/OBJ NO:

EPF CAT : 05A

EG 3032 N 03221 E

NPIC NO :

COMIREX NO:

EG 302005N 0321624E

NPIC NO : - 11-A

COMIREX NO:

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

KABRIT AIRFIELD CONSTRUCTION

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 05A

EG 301453N 0322932E
NPIC NO : - 47
COMIREX NO:

25X1
25X1

PHOTOGRAPHIC ANALYSIS OF EGYPTIAN FORCES ALONG THE SUEZ CANAL, INCLUSIVE OF PHOTOGRAPHY, REVEALED NO INDICATIONS OF ANY SIGNIFICANT INCREASE IN OVERALL EGYPTIAN MILITARY ACTIVITY. THERE WAS AN INCREASE IN THE NUMBER OF MILITARY TRAINING EXERCISES CONDUCTED IN THE CANAL AREA THIS SPRING AS COMPARED TO THE SAME TIME FRAME IN 1976. BUT, WE DETECTED NO OTHER SIGNIFICANT INCREASES IN MILITARY ACTIVITY SUCH AS TROOP MOVEMENTS, CONSTRUCTION OF COASTAL DEFENSES, OR AN INCREASE IN THE SPEED OF AIRFIELD CONSTRUCTION IN NORTHEAST EGYPT WERE DETECTED.

25X1

CIA INFR IS10040-77 23 JUL 77

SEC CLASS: 05 MSN: 6P

ACCN: 5082609

25X1

SUEZ CANAL MILITARY TRAINING EXER INCREASE
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 35B

EG 3032 N 03221 E
NPIC NO :
COMIREX NO:

25X1

A COMPARATIVE ANALYSIS OF SPRING 1976 AND SPRING 1977 PHOTOGRAPHY OF THE SUEZ CANAL AREA INDICATES THAT THE EGYPTIANS HAVE SIGNIFICANTLY INCREASED THE AMOUNT OF FIELD TRAINING FOR THEIR GROUND FORCE UNITS DEPLOYED ALONG THE SUEZ CANAL FRONT. AT LEAST EIGHT BRIGADES AND SIX ADDITIONAL BATTALIONS WERE IDENTIFIED AS PARTICIPATING IN FIELD TRAINING EXERCISES BETWEEN 28 MARCH AND 23 JUNE 1977. ONLY THREE BRIGADES AND ONE ADDITIONAL BATTALION PARTICIPATED IN SIMILAR TRAINING EXERCISES BETWEEN 28 MARCH AND 28 JUNE 1976. THIS INCREASED TRAINING ACTIVITY HAS ADDED SIGNIFICANCE IN LIGHT OF THE REPORTS FROM BOTH CLASSIFIED AND UNCLASSIFIED SOURCES THAT THE EGYPTIAN MILITARY IS SUFFERING FROM A SPARE PARTS SHORTAGE. EITHER THE SHORTAGE IS NOT AS CRITICAL AS BELIEVED, OR POLITICAL CONSIDERATIONS HAVE OVERRULED WHAT IS BELIEVED WOULD BE THE NATURAL TENDENCY OF THE MILITARY TO REDUCE TRAINING IN AN EFFORT TO PROLONG THE LIFE OF THEIR EQUIPMENT.

CIA INFR IS10139J-77 17 JAN 78

SEC CLASS: 24 MSN: 45P

ACCN: 5082610

25X1

MILITARY, 39TH ARMY SHENYANG MILITARY REGION
WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 35

CH
NPIC NO :
COMIREX NO:

THIS MEMORANDUM DISCUSSES THE 39TH ARMY IN THE SHEN-YANG MILITARY REGION. THE ARMY IS LOCATED IN LIAONING PROVINCE, SOUTHERN SHEN-YANG MILITARY REGION. A TABLE LISTS ALL OF THE UNITS WHICH ARE SUBORDINATES TO THIS ARMY AND ITS DIVISIONS. ATTACHED TO THIS MEMORANDUM ARE UNIT PHOTOGRAPHS AND OIA INSTALLATION BRIEFS.

25X1

152
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

25X1

DIA NBRG NDA06-5094-77 30 JAN 78 SEC CLASS: 05B MSN: 1P ACCN: S082612

MYS PINAGORIY/MURMANSK NAVAL FACs APPROACHES UR 6904 N 03303 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 75 COMIREX NO:

25X1

DIA NBRG NDA06-5100-77 30 JAN 78 SEC CLASS: 05B MSN: 1P ACCN: S082613

ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT UR 690145N 0330356E
WAC NO : BE/OBJ NO: NPIC NO : - 12-F
IDHS CODE: EPF CAT : 75B COMIREX NO:
ROSTA NAVAL BASE + SHIP REPAIR YARD SEVMORPUT UR 690145N 0330356E
WAC NO : BE/OBJ NO: NPIC NO : - 12-F
IDHS CODE: EPF CAT : 75E COMIREX NO:

25X1

25X1

25X1

25X1

DIA NBRG NDA07-5324-77 27 JAN 78 SEC CLASS: 05G MSN: 1P ACCN: S082614

LINTSE MILITARY AREA 1 CH 3909 N 10010 E

TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 35 COMIREX NO: []

25X1

DIA NBRG NDA07-5325-77 27 JAN 78 SEC CLASS: 056 MSN: 1P ACCN: S082615

LINTSE ARMY BARRACKS AL2 + HQ INFANTRY DIV CH 390901N 1001100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 4-A
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5326-77 27 JAN 78 SEC CLASS: 056 MSN: 1P ACCN: S082616

LICHIATUNGCHUANG ARMY BARRACKS AL1 CH 390600N 1002100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 4-B
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []

25X1
25X1

DIA NBRG NDA07-5327-77 27 JAN 78 SEC CLASS: 056 MSN: 1P ACCN: S082617

LINTSE ARMY BARRACKS WEST AL3 CH 391010N 1000210E
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []

25X1

DIA NBRG NDA07-5328-77 27 JAN 78 SEC CLASS: 056 MSN: 1P ACCN: S082618

SHACHINGTzu ARMY BARRACKS AL1 CH 390600N 1001610E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 4-A1
IDHS CODE: [] EPF CAT : 35A COMIREX NO: []

25X1
25X1

CIA NOTE ISSN0001J-78 20 JAN 78 [] SEC CLASS: 25 MSN: 16P ACCN: S082619

INDUSTRY, AMMONIA/UREA FTLZR PLT DUPLICATION CH
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 30F COMIREX NO: []
POHAIWAN OFFSHORE OIL PROD/EXPLORATION EXPSN CH 3859 N 11606 E
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 30A COMIREX NO: []
INDUSTRY, SEMICONDUCTOR PLANTS SIGNATURES UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 30D COMIREX NO: []
MISSILES, ICBM TEST LOAD SIMULATOR NEW UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 40A COMIREX NO: []
CHINGMEN HYPERVELOCITY TEST RANGE PROB NEW CH 310954N 1121100E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 35-B5

25X1

25X1

25X125X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

IDHS CODE: []	EPF CAT : 40E	COMIREX NO:
PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	WAC NO : 0381	BE/OBJ NO:
WAC NO : 0381	EPF CAT : 30C	COMIREX NO:
PEICHING MINING/AGRI/ELCT EQUIPMENT EXHIBITS	WAC NO : 0381	BE/OBJ NO:
WAC NO : 0381	EPF CAT : 25	COMIREX NO:
PHOTO, RECONNAISSANCE SATELLITE LAUNCH PREP	WAC NO :	BE/OBJ NO:
WAC NO :	EPF CAT : 65	COMIREX NO:
SHUANGCHENGZU MTC PAD B2 RECON SAT LNCH PREP	WAC NO :	BE/OBJ NO:
WAC NO :	EPF CAT : 40H	COMIREX NO:
MILITARY, BRIDGING EQUIPMENT STORAGE RESERVES	WAC NO :	BE/OBJ NO:
WAC NO :	EPF CAT : 35F	COMIREX NO:
IDHS CODE:		

25X1

25X1
25X1

25X1 25X1

25X1
25X1

25X1
25X1

NPIC MEMO [] 08 FEB 78 [] SEC CLASS: 14B MSN: [] 3P ACCN: S082622 25X1

KUSTANAY RADIO RELAY + TV RELAY STATION UR 531337N 0634000E 25X1
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 11-B2

155
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF [redacted]



25X1
25X1

IDHS CODE: [redacted] EPF CAT : 35F COMIREX NO:

25X1

BOLOGOYE AMMUNITION DEPOT DA 1 KUZHENKINO SOUTH IS REPORTED BY NPIC AS KUZHENKINO AIR DEPOT (BE



25X1

DIA IIM 5B1-52142-78 27 JAN 78 [redacted] SEC CLASS: 14B MSN: [redacted] 7P ACCN: S08262 [redacted] 25X1

KREMENETS ARMY BARRACKS AL1 SS-1 BRIGADE SRCH UR 500900N 0254536E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 134
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO: [redacted]

25X1
25X1
25X1
25X1



DIA IIM 5B1-52160-78 06 FEB 78 [redacted] SEC CLASS: 14D MSN: [redacted] 3P ACCN: S08262 [redacted] 25X1

CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV UR 441213N 1330919E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 8-C
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO: [redacted]
CHERNYSHEVKA ARMY BARRACKS AL1 EQUIP STGE RSV UR 441213N 1330919E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 8-C
IDHS CODE: [redacted] EPF CAT : 35F COMIREX NO: [redacted]

25X1
25X1
25X1
25X1

DIA IIM 5B1-52168-78 06 FEB 78 [redacted] SEC CLASS: 14D MSN: [redacted] 3P ACCN: S08263 [redacted] 25X1

HANGAL MILITARY INSTL NORTH PROB NZHM-56 SRCH MG 492938N 1041624E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 8
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO:

25X1

DIA IIM 5B3-52172-78 06 FEB 78 [redacted] SEC CLASS: 13 MSN: [redacted] 1P ACCN: S08263 [redacted] 25X1

MAGDAGACHI AIRFIELD HELICOPTER REGIMENTS UR 532820N 1254741E
WAC NO : [redacted] BE/OBJ NO: [redacted] NPIC NO : - 3
IDHS CODE: [redacted] EPF CAT : 05A COMIREX NO: [redacted]

25X1
25X1

ALTHOUGH GENERAL PARKING PATTERNS EXIST AT MAGDAGACHI AIRFIELD, REGIMENTAL PARKING PATTERNS COULD NOT BE DETERMINED.*

DIA IIM 5B1-52177-78 06 FEB 78 [redacted] SEC CLASS: 14B MSN: [redacted] 1P ACCN: S08263 [redacted] 25X1

158
TOP SECRET CHESS RUFF [redacted]



25X1
25X1

TOP SECRET CHESS RUFF

25X1

NOVOSIBIRSK BIVOUAC AREA POSS SEARCH

UR 550348N 0832130E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 35A

NPIC NO : []
COMIREX NO: []

25X1

NPIC MEMO [] 08 FEB 78 []

SEC CLASS: 14B MSN: []

3P

ACCN: S082636

25X1

KOKCHETAV AM BROADCASTING STATION

UR 531720N 0692150E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25B

NPIC NO : - 20-B1
COMIREX NO: []

25X1

SHALKAR RADIO RELAY STATION

UR 531315N 0684610E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25D

NPIC NO : - 57
COMIREX NO: []

25X1

25X1

VOLDARSKOYE RADIO RELAY STATION

UR 531625N 0680723E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25D

NPIC NO : - 55
COMIREX NO: []

25X1

ANDREYEVKA RADIO RELAY STATION

UR 530300N 0672835E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25D

NPIC NO : - 74
COMIREX NO: []

25X1

RUZAYEVKA RADIO RELAY + TV BROADCAST STATION

UR 525020N 0665540E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25D

NPIC NO : - 75
COMIREX NO: []

25X1

RUZAYEVKA RADIO RELAY + TV BROADCAST STATION

UR 525020N 0665540E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25B

NPIC NO : - 75
COMIREX NO: []

25X1

NOVOKRONSHADSKOYE RADIO RELAY STATION

UR 522718N 0681117E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25D

NPIC NO : - 18
COMIREX NO: []

25X1

TIMIRYAZEVO TV BROADCASTING STATION PROB

UR 534440N 0662927E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 25B

NPIC NO : - 56-A
COMIREX NO: []

25X1

THIS MEMO DESCRIBES SIX RADIO-RELAY STATIONS BETWEEN KUSTANAY AND DZHETYGARA, USSR. SINCE 1974 THE SIX RADIO-RELAY STATIONS HAVE ONLY BEEN IMAGED ON [] PHOTOGRAPHY OF FAIR INTERPRETABILITY. NO SIGNIFICANT CHANGES TO THE STATIONS WERE IDENTIFIED, AND ONLY ONE STATION HAS A CABLE BUNKER IDENTIFIED AT IT.*

25X1

DIA IIM 5B1-52174-78 03 FEB 78 []

SEC CLASS: 14B MSN: []

3P

ACCN: S082636

25X1

PETROZAVODSK AVTOKOLONNA 1123

UR 614820N 0341710E

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 85A

NPIC NO : []
COMIREX NO: []

25X1





25X1



TOP SECRET CHESS RUFF 




25X1
25X1





KUYBYSHEV AIRFRAME PLANT LENIN 18 CONST NEW UR 531300N 0501814E
WAC NO :  BE/OBJ NO:  NPIC NO : - 19-A
IUHS CODE:  EPF CAT : 05G COMIREX NO: 

25X1

25X1

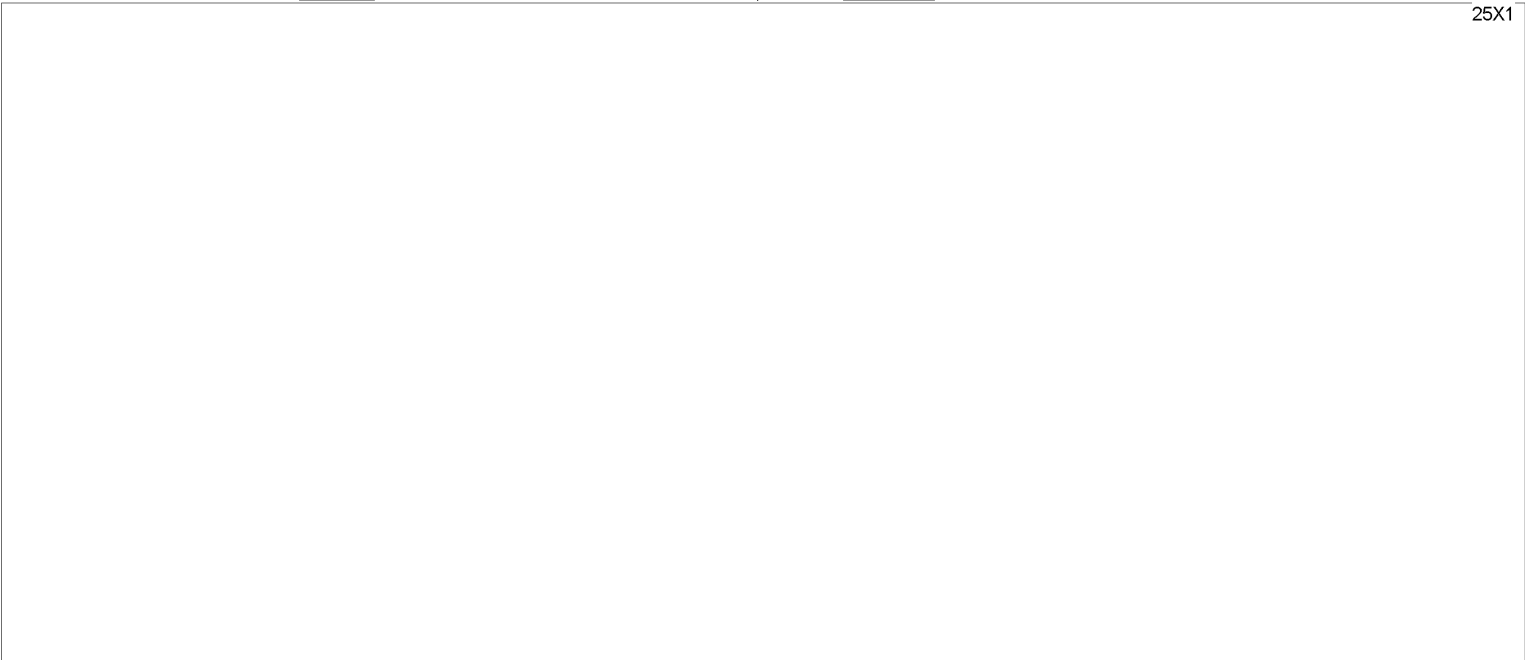
DIA IIM 5B3-52225-78 14 FEB 78  SEC CLASS: 13 MSN:  3P

ACCN: S082638 

VORONEZH AIRFRAME PLANT 64 CONSTRUCTION NEW UR 513819N 0391517E
WAC NO :  BE/OBJ NO:  NPIC NO : - 46-F
IUHS CODE:  EPF CAT : 05G COMIREX NO: 

25X1

25X1



TOP SECRET CHESS RUFF 



25X1
25X1

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[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

[Large Redacted Area]

25X1

DIA	IIM	5B1-52213-78	08 FEB 78	[Redacted]	SEC CLASS: 14B	MSN: [Redacted]	3P	ACCN: S082673	25X1
		BORISOV AVTOKOLONNA 2443				UR 541217N 0283031E			
		WAC NO :	[Redacted]	BE/OBJ NO: [Redacted]		NPIC NO :			25X1
		IDHS CODE:	[Redacted]	EPF CAT : 85A		COMIREX NO:			
DIA	IIM	5B1-52215-78	08 FEB 78	[Redacted]	SEC CLASS: 14B	MSN: [Redacted]	3P	ACCN: S082674	25X1
		LENINGRAD AVTOKOLONNA 1104				UR 595919N 0301650E			
		WAC NO :	[Redacted]	BE/OBJ NO: [Redacted]		NPIC NO :			25X1
		IDHS CODE:	[Redacted]	EPF CAT : 85A		COMIREX NO:			
DIA	IIM	5B1-52216-78	08 FEB 78	[Redacted]	SEC CLASS: 14B	MSN: [Redacted]	3P	ACCN: S082675	25X1
		LENINGRAD AVTOKOLONNA 1106				UR 595430N 0302151E			
		WAC NO :	[Redacted]	BE/OBJ NO: [Redacted]		NPIC NO :			25X1
		IDHS CODE:	[Redacted]	EPF CAT : 85A		COMIREX NO:			
DIA	IIM	5B1-52217-78	09 FEB 78	[Redacted]	SEC CLASS: 14B	MSN: [Redacted]	3P	ACCN: S082676	25X1

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

MINSK AVTOKOLONNA 2413

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 535315N 0273540E
NPIC NO :
COMIREX NO:

25X1

DIA IIM 5B1-52222-78 06 FEB 78 SEC CLASS: 14B MSN: 3P

ACCN: S082677 25X1

PETROZAVODSK AVTOKOLONNA 1124

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 616445N 0342500E
NPIC NO :
COMIREX NO:

25X1

DIA IIM 5B1-52224-78 08 FEB 78 SEC CLASS: 14B MSN: 3P

ACCN: S082678 25X1

MINSK AVTOKOLONNA 2411

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 535432N 0273105E
NPIC NO :
COMIREX NO:

25X1

DIA IIM 5B1-52227-78 07 FEB 78 SEC CLASS: 14B MSN: 6P

ACCN: S082679 25X1

PETROZAVODSK QUARTERMASTER DEPOT PEREVALKA

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 35F

UR 614800N 0341817E
NPIC NO : - 15-D
COMIREX NO:

25X1

25X1

DIA IIM 5B1-52241-78 FEB 78 SEC CLASS: 14B MSN: 11P

ACCN: S082680 25X1

ABAKAN ARMY BARRACKS AL1 + HEADQUARTERS MRD

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 35A

UR 534138N 0912342E
NPIC NO : - 1-A2
COMIREX NO:

25X1

25X1

DIA IIM 5B1-52245-78 09 FEB 78 SEC CLASS: 14B MSN: 3P

ACCN: S082681 25X1

ROSTOV NA DONU AVTOKOLONNA 1500

WAC NO :
IDHS CODE:

BE/OBJ NO:
EPF CAT : 85A

UR 471605N 0394112E
NPIC NO :
COMIREX NO:

25X1

DIA IIM 5B3-52232-78 15 FEB 78 SEC CLASS: 13 MSN: 1P

ACCN: S082683 25X1

RYBINSK AIRCRAFT ENGINE PLANT 36 FLOORSPACE UR 580307N 0384833E

164
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 52-I
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

DIA IIM 583-52233-78 15 FEB 78 [] SEC CLASS: 13 MSN: [] 1P

ACCN: S08268425X1

MOSKVA AIRCRAFT ENGINE PLANT 45 FLOORSPACE UR 554625N 0374303E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 45-B3
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

DIA IIM 583-52238-78 14 FEB 78 [] SEC CLASS: 13 MSN: [] 1P

ACCN: S08268525X1

UFA AIRCRAFT ENGINE PLANT A26 FLOORSPACE UR 544735N 0560740E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 30-F
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

DIA IIM 583-52240-78 15 FEB 78 [] SEC CLASS: 13 MSN: [] 1P

ACCN: S08268625X1

KUYBYSHEV AIRCRAFT ENG PLT FRUNZE FLOORSPACE UR 531203N 0501642E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 18-A
IDHS CODE: [] EPF CAT : 05G COMIREX NO: []

25X1
25X1

DIA IIM 583-52251-78 15 FEB 78 [] SEC CLASS: 13 MSN: [] 1P

ACCN: S08268525X1

BABAYEVO BOMBING RANGE SEARCH UR 592400N 0364500E
WAC NO : [] BE/OBJ NO: [] NPIC NO :
IDHS CODE: [] EPF CAT : 05 COMIREX NO:

25X1

DIA IIM 583-52252-78 15 FEB 78 [] SEC CLASS: 13 MSN: [] 3P

ACCN: S08269025X1

ROSTOV AIRFRAME PLANT 168 CONSTRUCTION NEW UR 471516N 0394310E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 33-A

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

DIA IIM 5B3-52263-78 15 FEB 78 [] SEC CLASS: 13 MSN: [] 1P ACCN: S082698 25X1

KHALMER YU BOMBING RANGE SEARCH

WAC NO : [] BE/OBJ NO: [] UR 6823 N 06530 E
IDHS CODE: [] EPF CAT : 05 NPIC NO : []
COMIREX NO: []

25X1

25X1

25X1
25X1

DIA IIM 5B3-52269-78 17 FEB 78 [] SEC CLASS: 13 MSN: [] 11P ACCN: S082700 25X1

BARANOVICHI AIRFIELD BLINDER TU-22 DEPLOYMENT

WAC NO : [] BE/OBJ NO: [] UR 530542N 0260254E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 3
COMIREX NO: []

25X1

25X1

GOMEL/PRIBYTKI AIRFIELD BLINDER TU-22 DPL

WAC NO : [] BE/OBJ NO: [] UR 521824N 0310947E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 17
COMIREX NO: []

25X1

25X1

MINSK/MACHULISHCHE AIRFIELD BLINDER TU-22 DPL

WAC NO : [] BE/OBJ NO: [] UR 534626N 0273442E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 47
COMIREX NO: []

25X1

25X1

NEZHIN AIRFIELD BLINDER TU-22 DEPLOYMENT

WAC NO : [] BE/OBJ NO: [] UR 510519N 0315207E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 40
COMIREX NO: []

25X1

25X1

ZHITOMIR/SKOMOROKHI AIRFIELD BLINDER TU-22

WAC NO : [] BE/OBJ NO: [] UR 500933N 0284419E
IDHS CODE: [] EPF CAT : 05A NPIC NO : - 67
COMIREX NO: []

25X1

25X1

AIRCRAFT, BLINDER TU-22 LRA DEPLOYMENT

WAC NO : [] BE/OBJ NO: [] UR
IDHS CODE: [] EPF CAT : 05 NPIC NO : []
COMIREX NO: []

DIA IIM 5B3-52271-78 17 FEB 78 [] SEC CLASS: 13 MSN: [] 1P ACCN: S082701 25X1

TIKSI BOMBING RANGE SEARCH

WAC NO : [] BE/OBJ NO: [] UR 7157 N 12705 E
IDHS CODE: [] EPF CAT : 05 NPIC NO : []
COMIREX NO: []

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

ADEN PORT FACILITIES + NAVAL BASE	YS	124715N	0450027E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	15	25X1
IDHS CODE: []	EPF CAT : 75B	COMIREX NO: []		25X1
ADEN PORT FACILITIES + NAVAL BASE	YS	124715N	0450027E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	15	25X1
IDHS CODE: []	EPF CAT : 75I	COMIREX NO: []		25X1
ADEN POL PORT LITTLE ADEN	YS	124544N	0445427E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	23-C	25X1
IDHS CODE: []	EPF CAT : 75I	COMIREX NO: []		25X1
ADEN AIRFIELD INTERNATIONAL	YS	124940N	0450150E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	15-B	25X1
IDHS CODE: []	EPF CAT : 05A	COMIREX NO: []		25X1
AL ANAD AIRFIELD	YS	130940N	0444630E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	48	25X1
IDHS CODE: []	EPF CAT : 05A	COMIREX NO: []		25X1

THIS REPORT PRESENTS THE RESULTS OF A STUDY OF SELECTED TRANSPORTATION FACILITIES AT ADEN, INCLUDING A NAVAL BASE, COMMERCIAL PORT FACILITIES, AND AIRFIELDS. THE REPORT WAS PREPARED IN SUPPORT OF THE UPCOMING INDIAN OCEAN DISARMAMENT TALKS.

THE MAIN SOURCE OF INFORMATION FOR THE STUDY WAS PHOTOGRAPHY OBTAINED IN JANUARY 1976 AND SEPTEMBER 1977. SUPPORTING INFORMATION WAS OBTAINED FROM DDO REPORTING, [] A DIA STUDY, AND OPEN SOURCE LITERATURE ON COMMERCIAL PORTS. DRAFT LIMITS AT BERTHING POSITIONS IN THIS REPORT WERE DERIVED PRINCIPALLY FROM A DEFENSE MAPPING AGENCY HYDROGRAPHIC CHART.

25X1

DIA IIM 5B1-52226-78 03 FEB 78 [] SEC CLASS: 14B MSN: [] 3P ACCN: 5082770 25X1

PETROZAVODSK AVTOKOLONNA 1126	UR	614822N	0341743E	
WAC NO : []	BE/OBJ NO: []	NPIC NO :		25X1
IDHS CODE: []	EPF CAT : 85A	COMIREX NO:		

DIA IIM 5B1-52244-78 10 FEB 78 [] SEC CLASS: 14B MSN: [] 5P ACCN: 5082771 25X1

PETROZAVODSK ORDNANCE STORAGE DEPOT D01	UR	615000N	0341500E	
WAC NO : []	BE/OBJ NO: []	NPIC NO : -	15-H	25X1
IDHS CODE: []	EPF CAT : 35F	COMIREX NO: []		25X1

25X1

169
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

DIA IIM 5B3-52302-78 22 FEB 78 [] SEC CLASS: 13 MSN: [] 1P ACCN: S082774 25X1

URALSK AIRFIELD NON-OPERATIONAL UR 511503N 0512547E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17
IDHS CODE: [] EPF CAT : 05A COMIREX NO:

25X1

CIA INFR IS10024K-78 10 FEB 78 [] SEC CLASS: 13 MSN: [] 3P ACCN: S082775 25X1

BISSAU AIRFIELD HIP C MI-8 IDENTIFICATION PU 115330N 0154030W
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 3
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
BISSAU MILITARY COMPLEX SOVIET MILITARY EQUIP PU 1152 N 01538 W
WAC NO : [] BE/OBJ NO: [] NPIC NO :
IDHS CODE: [] EPF CAT : 35A COMIREX NO:

25X1

25X1

25X1

THE LIMITED SATELLITE PHOTOGRAPHY OF THE BISSAU AREA OF GUINEA-BISSAU WAS REVIEWED FOR EVIDENCE OF MILITARY ACTIVITY OR A SOVIET OR CUBAN PRESENCE. NO SIGNIFICANT CONSTRUCTION ACTIVITY WAS OBSERVED. ALTHOUGH SOVIET-MADE EQUIPMENT IS PRESENT, A SOVIET OR CUBAN PRESENCE COULD NOT BE IDENTIFIED.*

CIA INFR IS10010K-78 10 FEB 78 [] SEC CLASS: 13 MSN: [] 6P ACCN: S082776 25X1

MILITARY, T-64/T-72 TANKS SIGNATURES/PROD UR
WAC NO : [] BE/OBJ NO: [] NPIC NO :
IDHS CODE: [] EPF CAT : 35E COMIREX NO:
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD UR 575548N 0600526E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17-A
IDHS CODE: [] EPF CAT : 35G COMIREX NO: []
NIZHNIY TAGIL RAILROAD CAR MFG PLT T-72 PROD UR 575548N 0600526E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17-A
IDHS CODE: [] EPF CAT : 85B COMIREX NO: []
KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD UR 495802N 0361706E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 15-H3
IDHS CODE: [] EPF CAT : 35G COMIREX NO: []
KHARKOV TANK + LOCOMOTIVE PLANT T-64 PROD UR 495802N 0361706E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 15-H3
IDHS CODE: [] EPF CAT : 85B COMIREX NO: []

25X1

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25X1

25X1

25X1

DURING THE 7 NOVEMBER 1977 MOSCOW PARADE, THE SOVIETS DISPLAYED A NEW MEDIUM TANK. THIS NEW TANK HAS CAUSED SOME CONFUSION AND CONTROVERSY IN THE INTELLIGENCE COMMUNITY. ALTHOUGH THE PARADE TANK IS VERY SIMILAR TO ANOTHER NEW MEDIUM TANK WHICH HAS BEEN DEPLOYED RECENTLY WITH THE GROUP OF SOVIET FORCES, [] IT IS NOW CLEAR THAT THE TWO NEW TANKS ARE NOT IDENTICAL AND THEY CAN BE DISTINGUISHED ON GOOD-QUALITY SATELLITE PHOTOGRAPHY. IT IS NOW GENERALLY AGREED IN THE COMMUNITY THAT THE PARADE TANK IS THE ONE REFERRED TO BY THE SOVIETS AS THE T-72. THE G5FG TANK, PREVIOUSLY THOUGHT TO BE THE T-72, HAS NOW

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TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1

BEEN DESIGNATED THE T-64.

ANALYSIS OF TANK PRODUCTION FACILITIES INDICATES THAT THE T-72 TANK IS BEING PRODUCED AT NIZHNIY TAGIL RAILROAD CAR MANUFACTURING PLANT KAGANOVICH 183 AND THAT THE T-64 WAS IN PRODUCTION AT KHARKOV TANK AND LOCOMOTIVE PLANT MALYSHEV 75 AT LEAST UNTIL APRIL 1975 AND PROBABLY AS RECENTLY AS OCTOBER 1977.

25X1

CIA INFR IS10021K-78 06 FEB 78 [] SEC CLASS: 13 MSN: 4P ACCN: S082778

TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT CH 211804N 1102429E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 1-K1 25X1
IDHS CODE: [] EPF CAT : 75I COMIREX NO: [] 25X1
TIAOSHUNTSUN PORT FACILITY MIL EQUIP EXPORT CH 211804N 1102429E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 1-K1 25X1
IDHS CODE: [] EPF CAT : 35 COMIREX NO: [] 25X1

THE ONLY PORT FACILITY IN CHINA WHICH HAS BEEN OBSERVED ON IMAGERY TO EXPORT MILITARY WEAPONS AND EQUIPMENT TO THIRD WORLD COUNTRIES IS AT TIAO-SHUN-TSUN. ANALYSIS OF 1976 AND 1977 PHOTOGRAPHY SHOWED THAT AIRCRAFT, TANKS, FIELD AND ANTI-AIRCRAFT ARTILLERY, ARTILLERY TRACTORS, AND TRUCKS WERE THE KINDS OF EQUIPMENT AND WEAPONS BEING EXPORTED. A TABLE SHOWS DATES OF 16 PHOTOGRAPHIC COVERAGES OF THE PORT IN 76-77 AND THE EQUIPMENT IDENTIFIED ON EACH COVERAGE.*

CIA INFR IS10030K-78 14 FEB 78 [] SEC CLASS: 13 MSN: 8P ACCN: S082779

MILITARY, GROUND FORCES O/B YS
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 35 COMIREX NO: [] 25X1
KHAWR AL UMAYRAH TROOP CONCENTRATION ING BRGD YS 124100N 0440740E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 41 25X1
IDHS CODE: [] EPF CAT : 35 COMIREX NO: [] 25X1
AL KIRSH TROOP CONCENTRATION INFANTRY BRIGADE YS 132150N 0442925E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 42 25X1
IDHS CODE: [] EPF CAT : 35 COMIREX NO: [] 25X1
AD DALI TROOP CONCENTRATION INFANTRY BRIGADE YS 134600N 0444340E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 30-B 25X1
IDHS CODE: [] EPF CAT : 35 COMIREX NO: []

171
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1

MUKAYRIS MILITARY BARRACKS INFANTRY BRIGADE YS 135532N 0454000E
WAC NO : BE/OBJ NO: NPIC NO : - 27-B
IDHS CODE: EPF CAT : 35A COMIREX NO:
ADEN MILITARY ACTIVITY + TRAINING BRGD YS 1245 N 04454 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35B COMIREX NO:
BARIM ISLAND MILITARY ACTIVITY YS 1239 N 04324 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:
SUQUTRA ISLAND MILITARY ACTIVITY YS 1238 N 05354 E
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:
BATHAN AL QISAB MILITARY BARRACKS INF BRIGADE YS 144712N 0454306E
WAC NO : BE/OBJ NO: NPIC NO : - 33-A
IDHS CODE: EPF CAT : 35A COMIREX NO:
ATAQ MILITARY CAMP HQ INFANTRY BRIGADE YS 143237N 0464925E
WAC NO : BE/OBJ NO: NPIC NO : - 19-A
IDHS CODE: EPF CAT : 35A COMIREX NO:
AL GHAYDAH MILITARY CAMP INFANTRY BRIGADE YS 161150N 0521120E
WAC NO : BE/OBJ NO: NPIC NO : - 4-A
IDHS CODE: EPF CAT : 35A COMIREX NO:

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25X1
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25X1
25X1

ALTHOUGH PHOTOGRAPHIC COVERAGE OF THE COUNTRY IS INCOMPLETE, MAJOR ELEMENTS OF SEVEN INFANTRY BRIGADES HAVE BEEN IDENTIFIED IN SOUTH YEMEN. A SOUTH YEMENI INFANTRY BRIGADE IS PROBABLY COMPOSED OF TWO TO FOUR INFANTRY BATTALIONS, A TANK COMPANY, AND AN ARTILLERY BATTALION, WHICH COMPRISES ONE OR TWO FIELD ARTILLERY BATTERIES, ONE OR TWO MORTAR BATTERIES, AND AN ANTI-AIRCRAFT BATTERY. ALSO IDENTIFIED WERE A REINFORCED INFANTRY BATTALION ON PERIM ISLAND, A REINFORCED INFANTRY BATTALION ON SOCOTRA ISLAND, AND A TRAINING BRIGADE AT LITTLE ADEN.*

CIA INFR IS10031K-78 14 FEB 78 SEC CLASS: 13 MSN: 3P ACCN: S082780 25X1

ASEB MILITARY EQUIPMENT SOVIET INCREASE ET 1300 N 04242 E
WAC NO : 0687 BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:

ANALYSIS OF SATELLITE PHOTOGRAPHY ACQUIRED SINCE IN CONJUNCTION WITH INFORMATION FROM OTHER SOURCES, HAS PROVIDED INCREASING EVIDENCE OF A LARGE SCALE MILITARY BUILDUP IN THE ASEB AREA. THE CONCENTRATION OF MAJOR SOVIET MILITARY EQUIPMENT AT ASEB AND THE ESTABLISHMENT OF A LARGE TEMPORARY MILITARY CAMP SOUTH OF ASEB INDICATES THAT A COMBAT FORCE OF AT LEAST BRIGADE STRENGTH MAY BE FORMING. THE INCREASED NUMBER OF SOVIET LANDING SHIPS AT ASEB ARE PROBABLY INVOLVED IN THE TRANSPORT OF TROOPS AND EQUIPMENT.

25X1
25X1

CIA INFR IS10032K-78 14 FEB 78 SEC CLASS: 14 Y MSN: 3P ACCN: S082781 25X1

172
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

BOMA MILITARY TRAINING FACILITY INFANTRY TRNG AO 114820S 0200750E
WAC NO : BE/OBJ NO: NPIC NO : - 30
IDHS CODE: EPF CAT : 35B COMIREX NO:

25X1

ANALYSIS OF RECENT SATELLITE PHOTOGRAPHY INDICATES THAT AN EXTENSIVE INFANTRY TRAINING FACILITY HAS BEEN ESTABLISHED AT BOMA, ANGOLA. CUBAN ADVISORS ARE TRAINING BOTH ZIMBABWE NATIONALISTS AND KATANGAN INSURGENTS AT BOMA, BUT THE NUMBER OR NATIONALITY OF TROOPS AT THE FACILITY CANNOT BE DETERMINED FROM PHOTOGRAPHY.

25X1

CIA INFR IS10038K-78 22 FEB 78 SEC CLASS: 13 MSN: 6P ACCN: 5082782 25X1

ASEB PORT FACILITIES MIL DELIVERIES SOVIET ET 130030N 0424530E
WAC NO : BE/OBJ NO: NPIC NO : - 16-A
IDHS CODE: EPF CAT : 751 COMIREX NO:
ASEB PORT FACILITIES MIL DELIVERIES SOVIET ET 130030N 0424530E
WAC NO : BE/OBJ NO: NPIC NO : - 16-A
IDHS CODE: EPF CAT : 35 COMIREX NO:

25X1

25X1

25X1

25X1

MILITARY ASSISTANCE TO ETHIOPIA BEGAN IN LATE MAY 1977 AND CONTINUED AT A HIGH LEVEL THROUGH EARLY OCTOBER 1977. SOVIET MILITARY DELIVERIES TO ASEB INTENSIFIED IN LATE JULY AND AUGUST, BUT DECLINED SOMEWHAT AFTER EARLY OCTOBER. THE LARGE INFLUX OF MILITARY SHIPMENTS AT ASEB BURDENED THE LIMITED CARGO HANDLING FACILITIES. CONSEQUENTLY, SOVIET MERCHANT SHIPS, AS WELL AS SHIPS OF OTHER NATIONS HAVE ENCOUNTERED LONG DELAYS IN OFFLOADING CARGO AT ASEB. SOME OF THE MILITARY EQUIPMENT AND SUPPLIES WERE TRANSPORTED BY ETHIOPIAN LANDING CRAFT FROM ASEB TO MASSAWA. THE MAJORITY OF MILITARY EQUIPMENT DELIVERED TO ASEB MOVED TO STORAGE DEPOTS FOR DISPERSAL TO THE FRONTS. REGULAR SEABORNE DELIVERIES OF PETROLEUM TO ASEB INDICATE THAT ETHIOPIA'S PETROLEUM SUPPLIES PASS THROUGH THE REFINERY AND STORAGE TANKS AT ASEB. THE REFINERY IS OPERATIONAL, ALTHOUGH DELIVERY OF SOME FINISHED PETROLEUM PRODUCTS PROBABLY ALSO OCCURS.

CIA INFR IS10040K-78 22 FEB 78 SEC CLASS: 13 MSN: 3P ACCN: 5082783 25X1

PAOTOU ARMORED VEHICLE PLANT 617 CH 404006N 1095423E
WAC NO : BE/OBJ NO: NPIC NO : - 13-6
IDHS CODE: EPF CAT : 356 COMIREX NO:

25X1

25X1

PAO-TOU ARMORED VEHICLE PLANT 617 HAS NOT SHIPPED ANY OF THE ARMORED VEHICLES THAT IT HAS PRODUCED SINCE AT LEAST [REDACTED] YET, PLANT 617 CONTINUES TO PRODUCE THESE VEHICLES. ON [REDACTED] PHOTOGRAPHY, 366 COMPLETED ARMORED VEHICLES WERE IN THE STORAGE YARDS. IT IS NOT KNOWN WHY ALL OF THESE COMPLETED ARMORED VEHICLES ARE BEING KEPT AT THE PLANT. THE PLANT ALSO HAS 121 TANK CHASSIS WITHOUT TURRETS STORED OUTSIDE THE FINAL ASSEMBLY BUILDING. THIS IS ALSO AN UNUSUALLY HIGH NUMBER OF UNFINISHED VEHICLES.

25X1

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25X1

173
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF [redacted]

25X1

25X1

CIA INFR IS10004K-78 15 FEB 78 [redacted] SEC CLASS: 14 MSN: 9P ACCN: S082786 25X1

ELECTRONICS, SUBMARINE DETECTION SYS	PETYA CL	UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 25I	COMIREX NO:
SHIPS, PETYA-1/2/3 CL FFL SUB DETECTION SYS		UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 75D	COMIREX NO:
KALININGRAD SHIPYARD STATE PETYA CL FFL MODIF		UR 544131N 0202612E
WAC NO :	BE/OBJ NO: [redacted]	NPIC NO : - 57-D
IDHS CODE: [redacted]	EPF CAT : 75E	COMIREX NO: [redacted]

25X1

25X1

174
TOP SECRET CHESS RUFF [redacted]

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

THE SOVIET NAVY BEGAN A PROGRAM AT KALININGRAD SHIPYARD STATE 820 IN 1974 TO EQUIP AT LEAST FOUR PETYA CLASS SMALL FRIGATES (FFL) WITH NEW TOWED SUBMARINE DETECTION SYSTEMS. THE FIRST OF THESE SHIPS HAD BEEN EQUIPPED WITH A UNIQUE EXPOSED SUBMARINE DETECTION SYSTEM--PROBABLY A NEW VARIABLE DEPTH SONAR (VDS) SYSTEM--BY MID-TO-LATE 1976, AND SUBSEQUENTLY TRANSITTED TO THE NORTHERN FLEET. THE SECOND AND THIRD OF THESE SHIPS WERE FITTED WITH EXTERNALLY UNIQUE DECKHOUSES THAT PROBABLY HOUSE NEW SUBMARINE DETECTION SYSTEMS. IT CANNOT BE DETERMINED AT THIS TIME IF THE NEW SYSTEMS WILL BE VARIABLE DEPTH SONARS OR TOWED ACOUSTIC ARRAYS. THE SECOND SHIP COMPLETED ITS CONVERSION PRIOR TO OCTOBER 1977 AND ALSO TRANSITTED TO THE NORTHERN FLEET. THE THIRD SHIP WAS NEARING COMPLETION WHEN LAST SEEN IN DECEMBER 1977 AND THE FOURTH ENTERED THE YARD IN OCTOBER 1977 AND IS CURRENTLY UNDERGOING CONVERSION.

CIA INFR IS10027K-78 10 FEB 78 SEC CLASS: 14 MSN: 3P ACCN: 5082787 25X1

NUCLEAR, SEISMIC SIGNALS HE SHOT POSS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 55 COMIREX NO:
GENERAL, SEISMIC SIGNALS EARTHQUAKE POSS UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 10D COMIREX NO:

BETWEEN OCTOBER 1976 AND SEPTEMBER 1977, LOW AMPLITUDE SEISMIC SIGNALS OF UNKNOWN ORIGIN WERE DETECTED FROM FOUR LOCATIONS WITHIN THE SOVIET UNION BY THE US ATOMIC ENERGY DETECTION SYSTEM. IN AN EFFORT TO IDENTIFY THE SOURCES OF THESE SIGNALS ALL THE AVAILABLE POST-EVENT PHOTOGRAPHY COVERING EACH OF THE LOCATIONS IN QUESTION WAS EXAMINED.

ANALYSTS ARE CONFIDENT THAT THE SEISMIC SIGNALS WERE THE RESULT OF HIGH-EXPLOSIVE CRATERING SHOTS AT TWO OF THE LOCATIONS. AT THE THIRD LOCATION NO EVIDENCE OF EXPLOSIONS WAS FOUND, INDICATING THE SEISMIC SIGNALS MAY HAVE BEEN CAUSED BY A SMALL EARTHQUAKE. TO DATE THERE HAS BEEN NO POST-EVENT PHOTOGRAPHY OF THE FOURTH LOCATION.

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TOP SECRET CHESS RUFF

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25X1

TOP SECRET CHESS RUFF

25X1

CIA INFR IS10026K-78 22 FEB 78 SEC CLASS: 13 MSN: 11P ACCN: 5082792 25X1

HANGWANGCHANG STEAM TURBINE PLANT	CH 312630N 1040935E
WAC NO :	BE/OBJ NO: [] NPIC NO :
IDHS CODE: []	EPF CAT : 30C COMIREX NO:
TEYANG ELECTRICAL EQUIPMENT PLANT	CH 310705N 1042239E
WAC NO :	BE/OBJ NO: [] NPIC NO : - 64-A1
IDHS CODE: []	EPF CAT : 30C COMIREX NO: []
TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH 310830N 1042315E
WAC NO :	BE/OBJ NO: [] NPIC NO : - 64-A2
IDHS CODE: []	EPF CAT : 30C COMIREX NO:
TEYANG HEAVY MACHINERY + ELECTRICAL EQUIP PLT	CH 310830N 1042315E
WAC NO :	BE/OBJ NO: [] NPIC NO : - 64-A2
IDHS CODE: []	EPF CAT : 30D COMIREX NO:
TZUKUNG LIGHT FABRICATION PLANT	CH 292150N 1044520E
WAC NO :	BE/OBJ NO: [] NPIC NO : - 66-A2
IDHS CODE: []	EPF CAT : 30D COMIREX NO:
INDUSTRY: ELECTRICAL EQUIP PLTS SSUCHUANSHENG	CH
WAC NO :	BE/OBJ NO: [] NPIC NO :
IDHS CODE: []	EPF CAT : 30D COMIREX NO:

25X1

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25X1

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25X1

SINCE THE EARLY 1960S, THE CHINESE HAVE INTENSIFIED THEIR EFFORT TO MODERNIZE AND TO INCREASE THE PRODUCTION CAPACITY OF THEIR ELECTRIC POWER EQUIPMENT INDUSTRY. THEIR PROGRAM HAS INCLUDED CONSTRUCTING NEW PLANTS AS WELL AS EXPANDING EXISTING PLANTS. AVAILABLE INFORMATION INDICATES THAT TECHNOLOGY FOR THE NEW PLANTS WAS DERIVED FROM THE EXPERIENCE GAINED AT OTHER CHINESE PLANTS WHICH PRODUCE ELECTRIC EQUIPMENT.

THIS STUDY DESCRIBES FOUR LARGE FABRICATION PLANTS IN SZECHWAN PROVINCE WHICH ARE BELIEVED TO PRODUCE BOILERS AND ELECTRICAL EQUIPMENT. THE PLANTS ARE LOCATED AT HANG-WANG-CHANG, TE-YANG, AND TZU-KUNG. THE IDENTIFICATION OF THESE PLANTS AS ELECTRICAL EQUIPMENT PLANTS IS BASED ON THE ANALYSIS OF RECENT SATELLITE IMAGERY SUPPORTED BY NUMEROUS INTELLIGENCE REPORTS DESCRIBING SUCH PLANTS IN SZECHWAN PROVINCE. ALTHOUGH FINISHED BOILERS AND ELECTRICAL EQUIPMENT OR COMPONENTS COULD NOT BE IDENTIFIED AT ANY OF THE FOUR PLANTS, ALL CONTAIN THE FACILITIES NEEDED TO CAST, FORGE, FABRICATE, ASSEMBLE, AND SHIP SUCH EQUIPMENT. ALL FOUR PLANTS WERE COMPLETED BETWEEN 1965 AND 1970.

NONE OF THE FOUR PLANTS IN SZECHWAN ARE LOCATED IN CITIES CONSIDERED TO BE LARGE OR INDUSTRIALIZED. THE SELECTION OF THESE CITIES AS LOCATIONS FOR THE PLANTS MAY BE RELATED NOT ONLY TO CHINESE PLANNING GOALS TO EXPAND THE ELECTRICAL EQUIPMENT INDUSTRY, BUT ALSO TO THEIR GOAL TO DISPERSE INDUSTRY AND DIVERSIFY THE ECONOMIES OF CHINA'S INTERIOR PROVINCES.

A DESCRIPTION, A LISTING OF FACILITIES AND THEIR DIMENSIONS, AND A PHOTOGRAPH OF EACH PLANT ARE

TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1
25X1

INCLUDED IN THIS REPORT.

CIA INFR IS10031K-77 18 JUL 77 [] SEC CLASS: 13 MSN: 3P ACCN: S082793 25X1a

MILITARY, TANK REPLACEMENTS NEW	SY	
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
AL QUTAYFAH MILITARY VEH STGE	TANK DECREASE	SY 333920N 0363200E
WAC NO :	BE/OBJ NO:	NPIC NO : - 127-C1
IDHS CODE:	EPF CAT : 35F	COMIREX NO: []

25X1
25X1

THE SYRIANS ARE REPLACING MEDIUM TANKS IN AT LEAST TWO AND PROBABLY THREE BRIGADES WITH NEW MEDIUM TANKS THAT HAVE RECENTLY BEEN DELIVERED TO SYRIA. AT THE SAME TIME, THERE HAS BEEN A DECREASE IN THE NUMBER OF TANKS AT THE AL QUTAYFAH VEHICLE STORAGE AREA, NORTHEAST OF DAMASCUS. OIA BELIEVES THAT THE TANKS MISSING FROM THE STORAGE AREA ARE THE NEW REPLACEMENT TANKS OBSERVED IN THE THREE BRIGADES. THIS IS THE FIRST FIRM PHOTOGRAPHIC EVIDENCE THAT THE AL QUTAYFAH VEHICLE STORAGE AREA SERVES AS A DEPOT FOR NEW SYRIAN TANK DELIVERIES, AS WELL AS A STORAGE AREA FOR OLD TANKS.

CIA INFR IS10092K-77 08 FEB 78 [] SEC CLASS: 13 MSN: 24P ACCN: S082794 25X1

SHIPS, TARGET BARGE ACTIVITY VLADIVOSTOK	UR	
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 75	COMIREX NO:
DUNAY SUBMARINE BASE + SHPYD	TARGET BARGE ACT	UR 425400N 1322110E
WAC NO :	BE/OBJ NO:	NPIC NO : - 4-C
IDHS CODE:	EPF CAT : 75A	COMIREX NO: []
DUNAY SUBMARINE BASE + SHPYD	TARGET BARGE ACT	UR 425400N 1322110E
WAC NO :	BE/OBJ NO:	NPIC NO : - 4-C
IDHS CODE:	EPF CAT : 75E	COMIREX NO: []
ABREK BUKHTA NAVAL BASE	TARGET BARGE ACT	UR 425608N 1322515E
WAC NO :	BE/OBJ NO:	NPIC NO : - 64
IDHS CODE:	EPF CAT : 75B	COMIREX NO: []

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25X1

TARGET BARGE ACTIVITY IN THE VLADIVOSTOK AREA IS CONCENTRATED AT THE DUNAY SUBMARINE BASE AND SHIPYARD RAZBOYNIK BAY AND AT THE ABREK BAY NAVAL BASE PROMYSLOVKA. BARGES AT THESE TWO BASES INCLUDE BOTH CATAMARAN AND SINGLE-HULLED BARGES. THE CATAMARAN BARGES ARE EQUIPPED WITH REFLECTIVE SCREENS SUPPORTED BY CENTERLINE MASTS ALONG THE LENGTH OF THE HULL AND WITH RADAR REFLECTORS. THE SINGLE-HULLED BARGES ARE ALSO EQUIPPED WITH SCREENS AND RADAR REFLECTORS AND IN ADDITION ARE USUALLY EQUIPPED WITH STANDARD CONICAL-SHAPED HEAT GENERATORS.

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178
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

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25X1

[Redacted]

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25X1
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25X1

NPIC MEMO [Redacted] 17 FEB 78 [Redacted] SEC CLASS: 14B MSN: [Redacted] 2P ACCN: 5082823 25X1

LENINGRAD R+D FACILITIES COMMO FACILS SEARCH UR 5954 N 03023 E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : [Redacted]
IDHS CODE: [Redacted] EPF CAT : 65A COMIREX NO: [Redacted]
LENINGRAD R+D FACILITIES COMMO FACILS SEARCH UR 5954 N 03023 E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : [Redacted]
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]

NPIC MEMO [Redacted] 17 FEB 78 [Redacted] SEC CLASS: 14B MSN: [Redacted] 2P ACCN: 5082824 25X1

GORKIY RADIO RELAY/TV/FM BROADCASTING CTR UR 561824N 0435945E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 13-21 25X1
IDHS CODE: [Redacted] EPF CAT : 25B COMIREX NO: [Redacted]
GORKIY RADIO RELAY/TV/FM BROADCASTING CTR UR 561824N 0435945E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 13-21 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]
SEMENOV RADIO RELAY STATION UR 564815N 0443130E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 29 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]
KRASNYYE BAKI RADIO RELAY + TV BDCST STATION UR 570535N 0450840E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 33 25X1
IDHS CODE: [Redacted] EPF CAT : 25B COMIREX NO: [Redacted]
KRASNYYE BAKI RADIO RELAY + TV BDCST STATION UR 570535N 0450840E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 33 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]
TEMTA RADIO RELAY STATION UR 572910N 0455405E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 81 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]
SHAKHUNYA RADIO RELAY + TV BROADCASTING STA UR 573940N 0463920E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 42-B 25X1
IDHS CODE: [Redacted] EPF CAT : 25B COMIREX NO: [Redacted]
SHAKHUNYA RADIO RELAY + TV BROADCASTING STA UR 573940N 0463920E 25X1
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 42-B 25X1
IDHS CODE: [Redacted] EPF CAT : 25D COMIREX NO: [Redacted]

THIS MEMO PROVIDES AN UPDATED DESCRIPTION OF THE RADIO-RELAY STATIONS BETWEEN GORKIY AND SHAKHUNYA. IT

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TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

INCLUDES ANTENNA TYPES AND ORIENTATIONS. PHOTOGRAPHY FROM (AUG-NOV 1977) WAS USED.*

25X1

DIA IIM 581-52253-78 14 FEB 78 SEC CLASS: 14B MSN: 5P ACCN: S082825 25X1

PETROZAVODSK AMMUNITION DEPOT PADOZERO DA1 UR 615247N 0335756E
WAC NO : BE/OBJ NO: NPIC NO : - 15-6
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1
25X1

DIA IIM 581-52235-78 FEB 78 SEC CLASS: 14 MSN: 8P ACCN: S082826 25X1

GLIWICE PORT COMPLEX PL 501930N 0183810E
WAC NO : BE/OBJ NO: NPIC NO : - 42-A3
IDHS CODE: EPF CAT : 75I COMIREX NO:

25X1
25X1

DIA IIM 581-52306-78 16 FEB 78 SEC CLASS: 14B MSN: 1P ACCN: S082828 25X1

VOLNOYE ARMY BARRACKS SAMARA RIVER T-64 TANKS UR 484419N 0351919E
WAC NO : BE/OBJ NO: NPIC NO : - 29-B
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1
25X1

DIA IIM 581-52307-78 16 FEB 78 SEC CLASS: 14B MSN: 1P ACCN: S082829 25X1

VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS UR 484222N 0352259E
WAC NO : BE/OBJ NO: NPIC NO : - 29-B1
IDHS CODE: EPF CAT : 35A COMIREX NO:
VOLNOYE ARMY BARRACKS AL1/STGE RSV T-64 TANKS UR 484222N 0352259E
WAC NO : BE/OBJ NO: NPIC NO : - 29-B1
IDHS CODE: EPF CAT : 35F COMIREX NO:

25X1
25X1
25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

NPIC MEMO

01 MAR 78

SEC CLASS: 14 MSN:

4P

ACCN: 5082846

25X1

ILI ARMY BARRACKS AL1 DIVERSION BRIGADE PROB	UR	435232N 0770215E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 12-C
IDHS CODE: []	EPF CAT : 35A	COMIREX NO: []
PECHORY ARMY BARRACKS AL1 DIVERSION BRGD PROB	UR	574932N 0273626E
WAC NO : []	BE/OBJ NO: []	NPIC NO : - 52-A
IDHS CODE: []	EPF CAT : 35A	COMIREX NO: []
JONAVA DIVERSION BRIGADE SEARCH	UR	5504 N 02421 E
WAC NO : 0168	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
PRIMORSK DIVERSION BRIGADE SEARCH	UR	5444 N 02001 E
WAC NO : 0169	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

25X1
25X1

25X1

25X1

25X1
25X1

25X1

25X1
25X1
25X1

Page Denied

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

DIA	IIM	5B3-52344-78	28 FEB 78	[]	SEC CLASS: 13	MSN: []	3P	ACCN: S082901	25X1
		KORKINO AIRFIELD				UR 545705N 0613030E			25X1
		WAC NO : []		BE/OBJ NO: []		NPIC NO : - 38-A			25X1
		IDHS CODE: []		EPF CAT : 05A		COMIREX NO:			25X1
DIA	IIM	5B3-52345-78	28 FEB 78	[]	SEC CLASS: 13	MSN: []	3P	ACCN: S082902	25X1
		KARAGANDA AIRFIELD SW				UR 494021N 0725909E			25X1
		WAC NO : []		BE/OBJ NO: []		NPIC NO : - 5-L			25X1
		IDHS CODE: []		EPF CAT : 05A		COMIREX NO: []			25X1
DIA	IIM	5B3-52346-78	28 FEB 78	[]	SEC CLASS: 13	MSN: []	3P	ACCN: S082903	25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

KERKI AIRFIELD POL STORAGE CAPACITY

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

BE/OBJ NO: [Redacted]
EPF CAT : 05I

UR 374905N 0651235E
NPIC NO : - 12-A
COMIREX NO:

25X1

[Redacted]

25X1

DIA IIM 5B3-52351-78 28 FEB 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 3P ACCN: S08290 [Redacted] 25X1

SIBAY AIRFIELD

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

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

UR 524115N 0584230E
NPIC NO : - 75
COMIREX NO:

25X1

DIA IIM 5B3-52352-78 01 MAR 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 2P ACCN: S08290 [Redacted] 25X1

CHELYABINSK/BAKAL AIRFIELD

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

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

UR 551535N 0611758E
NPIC NO : - 3-H
COMIREX NO: [Redacted]

25X1

25X1

25X1

[Redacted]

DIA IIM 5B3-52358-78 28 FEB 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 1P ACCN: S08290 [Redacted] 25X1

TAYBOLA AIRFIELD NW

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

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

UR 683030N 0331720E
NPIC NO : - 34-A
COMIREX NO:

25X1

[Redacted]

25X1

[Redacted]

25X1

25X1

25X1

[Redacted]

184
TOP SECRET CHESS RUFF [Redacted]

[Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

25X1
25X1
25X1

CIA INFR IS10036K-78 23 FEB 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 8P ACCN: S082915 25X1

KUYBYSHEV AEROSPACE PRODUCTION PLANT 1 UR 531315N 0501804E
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : - 19 25X1
IDHS CODE: [Redacted] EPF CAT : 40H COMIREX NO: [Redacted] 25X1

ANALYSIS OF KUYBYSHEV AEROSPACE PRODUCTION PLANT 1 SINCE 1974 REVEALS THAT A MODIFIED VERSION OF THE TT-05 SPACE LAUNCH VEHICLE (SLV); A NAVAL CRUISE MISSILE; LARGE, CRYOGENIC STORAGE TANKS; AND PROBABLY AN UNIDENTIFIED, POSSIBLY SPACE-RELATED PAYLOAD ARE PRODUCED THERE.

CIA INFR IS10039K-78 23 FEB 78 [Redacted] SEC CLASS: 13 MSN: [Redacted] 4P ACCN: S082916 25X1

ELECTRONICS, SS-11 CPLXS ANTS HARD POSS U/C UR
WAC NO : [Redacted] BE/OBJ NO: [Redacted] NPIC NO : [Redacted]
IDHS CODE: [Redacted] EPF CAT : 25C COMIREX NO: [Redacted]

SINCE LATE AUGUST 1977 A TRIAD OF DISTINCT STRUCTURES HAVE BEEN OBSERVED UNDER CONSTRUCTION AT 16 OF THE 20 SS-11 LAUNCH CONTROL FACILITIES (LCFS) AT THE DROVYANAYA, OLOVYANNAYA AND SVOBODNYI ICBM COMPLEXES. NONE OF THESE STRUCTURES HAVE YET BEEN COMPLETED AND THEIR ULTIMATE FUNCTION HAS NOT BEEN DEFINITELY DETERMINED. HOWEVER, THEIR PHYSICAL CHARACTERISTICS AND THEIR LOCATION WITHIN THE LCF INDICATES THAT THEY ARE SOME TYPE OF HARDENED ANTENNA -- POSSIBLY WASHER ANTENNAS WHICH ARE OFTEN FOUND WITH TYPE IIIX CONTROL SILOS. WASHER ANTENNAS HAVE BEEN IDENTIFIED AT LCFS FOR THE SS-17, 18 AND 19 MISSILE SYSTEMS. THIS MEMORANDUM DEALS WITH ONLY THE POSSIBLE HARDENED ANTENNAS THAT ARE UNDER CONSTRUCTION AT THE THREE SS-11 COMPLEXES IN THE SOVIET FAR EAST.

25X1

185
TOP SECRET CHESS RUFF

25X1
25X1



TOP SECRET CHESS RUFF



25X1
25X1

IDHS CODE: EPF CAT : 13A COMIREX NO:

25X1

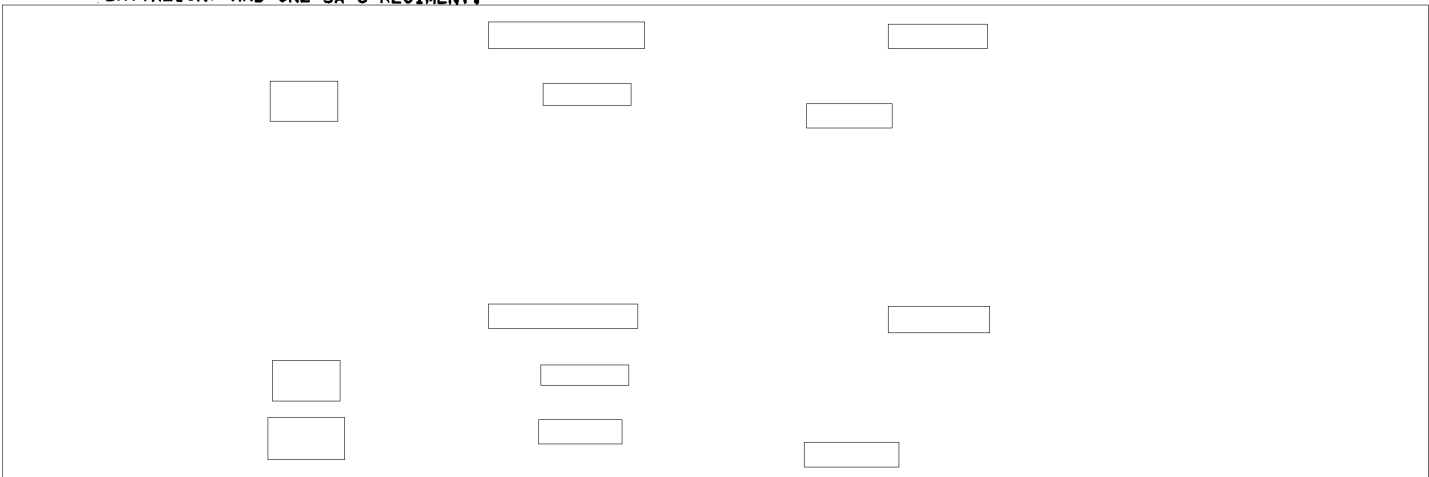
A FACILITY, WHICH COLLATERAL REPORTS AS THE PENZA MEDICINAL PREPARATIONS PLANT, HAS BEEN LOCATED ON THE EASTERN OUTSKIRTS OF PENZA. THE INTERESTING ASPECT OF THIS PLANT IS THAT IT CONTAINS A SPECIAL STORAGE AREA SIMILAR TO THAT AT A PLANT AT BERDSK AND FIVE OTHER PLANTS THAT ARE OR HAVE BEEN CONSIDERED AS SUSPECT BW FACILITIES. THE COLLATERAL INFORMATION STATES THAT THE PLANT'S FIRST FACILITIES BEGAN OPERATION IN 1962 AND THAT IT PRODUCED VITAMINS, ANTIBIOTICS, AND FUNGICIDES.

CIA INFR IS10050K-78 01 MAR 78 SEC CLASS: 13 MSN: 3P ACCN: S082918

25X1

MILITARY, EQUIPMENT DELIVERIES MINIMAL SO
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:

ANALYSIS OF APRIL 1977 TO FEBRUARY 1978 PHOTOGRAPHY OF THE BERBERA, MOGADISCIO, AND CHISIMAIO PORT FACILITIES HAS SHOWN THAT ALMOST NO MAJOR MILITARY EQUIPMENT HAS BEEN RECEIVED BY THE SOMALIS. IT WOULD APPEAR THAT THEY HAVE RECEIVED ONLY ENOUGH EQUIPMENT FOR ONE T-54/55 TANK BATTALION, ONE ARTILLERY BATTALION, AND ONE SA-3 REGIMENT.



25X1
25X1

25X1
25X1

25X1

25X1

25X1
25X1

186
TOP SECRET CHESS RUFF



25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

25X1
25X1

25X1
25X1

25X1
25X1

DIA IIM 5B3-52421-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083014 25X1

NAMEST NAD OSLAVOU AIRFIELD RWY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 490958N 0160728E
NPIC NO : - 289
COMIREX NO: []

25X1
25X1

DIA IIM 5B3-52422-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083015 25X1

PARDUBICE AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 500053N 0154420E
NPIC NO : - 130-B
COMIREX NO: []

25X1
25X1

DIA IIM 5B3-52424-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 1P ACCN: S083016 25X1

YELABUGA AIRFIELD NORTH

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

UR 554749N 0520755E
NPIC NO :
COMIREX NO:

25X1

DIA IIM 5B3-52425-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 1P ACCN: S083017 25X1

PYADZH/AMU DARYA AIRFIELD

UR 371540N 0690520E

TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1

WAC NO : [] BE/OBJ NO: [] NPIC NO : - 22
IDHS CODE: [] EPF CAT : 05A COMIREX NO:

25X1

DIA IIM SB3-52431-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P

ACCN: S083018 25X1

KOSICE/BARCA AIRFIELD RUNWAY COMPOSITION CZ 484009N 0211435E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 74-A
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []

25X1

25X1

DIA IIM SB3-52331-78 10 MAR 78 [] SEC CLASS: 24 MSN: [] 25P

ACCN: S083019 25X1

AIRCRAFT, BADGER TU-16 O/B + AIR-REFUEL CPBL UR
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 05 COMIREX NO: []
ANADYR/UGOLNYYE KOPI AIRFIELD BADGER O/B UR 644406N 1774428E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-B
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
ANISOVO GORODISHCHE AIRFIELD BADGER TU-16 O/B UR 541327N 0342208E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 3
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
BELAYA AIRFIELD BADGER TU-16 O/B UR 525454N 1033434E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
BELAYA TSEKOV AIRFIELD BADGER TU-16 O/B UR 494749N 0300135E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 2-A
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
RYAZAN/DYAGILEVO AIRFIELD BADGER TU-16 O/B UR 543830N 0393412E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 20-B
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
BOBRUYSK AIRFIELD BADGER TU-16 O/B UR 530610N 0291230E
WAC NO : [] BE/OBJ NO: [] NPIC NO : []
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
GOMEL/PRIBYTKI AIRFIELD BADGER TU-16 O/B UR 521824N 0310947E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 17
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
ORSHA AIRFIELD SW BADGER TU-16 O/B UR 542622N 0301747E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 66
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
POLTAVA AIRFIELD BADGER TU-16 O/B UR 493740N 0342923E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 31
IDHS CODE: [] EPF CAT : 05A COMIREX NO: []
USSURIYSK/VOZDVIZHENKA AIRFIELD BADGER O/B UR 435425N 1315547E
WAC NO : [] BE/OBJ NO: [] NPIC NO : - 50

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

TOP SECRET CHESS RUFF

25X1
25X1

IOHS CODE: []	EPF CAT : 05A	COMIREX NO: []
STRYY AIRFIELD BADGER TU-16 O/B	WAC NO : []	UR 491443N 0234726E
BE/OBJ NO: []	IDHS CODE: []	NPIC NO : - 186
EPF CAT : 05A	TARTU AIRFIELD BADGER TU-16 O/B	COMIREX NO: []
WAC NO : []	BE/OBJ NO: []	UR 582417N 0264624E
IDHS CODE: []	EPF CAT : 05A	NPIC NO : - 79
SOLTSY AIRFIELD BADGER TU-16 O/B	COMIREX NO: []	25X1
WAC NO : []	UR 580822N 0301914E	25X1
BE/OBJ NO: []	NPIC NO : - 72	25X1
EPF CAT : 05A	COMIREX NO: []	25X1
SPASSK DALNIY AIRFIELD EAST BADGER TU-16 O/B	UR 443647N 1325302E	25X1
WAC NO : []	NPIC NO : - 47	25X1
IDHS CODE: []	COMIREX NO: []	25X1
EPF CAT : 05A	UR 482745N 1350907E	25X1
KHABAROVSK AIRFIELD BADGER TU-16 O/B	NPIC NO : - 7-Q	25X1
WAC NO : []	COMIREX NO: []	25X1
BE/OBJ NO: []	UR 501132N 1293006E	25X1
EPF CAT : 05A	NPIC NO : - 31-B	25X1
ZAVITINSK AIRFIELD NE BADGER TU-16 O/B	COMIREX NO: []	25X1
WAC NO : []	UR 530542N 0260254E	25X1
IDHS CODE: []	NPIC NO : - 3	25X1
EPF CAT : 05A	COMIREX NO: []	25X1
BARANOVICHI AIRFIELD BADGER TU-16 O/B	UR 503434N 0321901E	25X1
WAC NO : []	NPIC NO : - 46	25X1
IDHS CODE: []	COMIREX NO: []	25X1
EPF CAT : 05A		

PHOTO COVERAGE FROM JANUARY 1975 TO JANUARY 1978 WAS USED TO DETERMINE THE NUMBER, MODEL, AND AIR-REFUELING CAPABILITY OF TU-16/BADGER IN SOVIET LONG RANGE AVIATION (LRA). A TOTAL OF 16 OPERATIONAL BADGER BASES AND FIVE REPAIR FACILITIES WERE STUDIED.*

DIA IIM	5B3-52432-78	10 MAR 78	[]	SEC CLASS: 13	MSN: []	2P	ACCN: 5083020	25X1
	ZATEC AIRFIELD RUNWAY COMPOSITION			CZ	502219N 0133523E			
	WAC NO : []		BE/OBJ NO: []		NPIC NO : - 196-A			25X1
	IDHS CODE: []		EPF CAT : 05A		COMIREX NO: []			25X1
DIA IIM	5B3-52433-78	10 MAR 78	[]	SEC CLASS: 13	MSN: []	2P	ACCN: 5083021	25X1
	KLECANY/VODOCHODY AIRFIELD RUNWAY COMPOSITION			CZ	501305N 0142344E			
	WAC NO : []		BE/OBJ NO: []		NPIC NO : - 90			25X1
	IDHS CODE: []		EPF CAT : 05A		COMIREX NO: []			25X1
DIA IIM	5B3-52439-78	10 MAR 78	[]	SEC CLASS: 13	MSN: []	2P	ACCN: 5083022	25X1

189
TOP SECRET CHESS RUFF

25X1
25X1

TOP SECRET CHESS RUFF

25X1
25X1

POPRAD/TATRY AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 490428N 0201426E
NPIC NO : - 135
COMIREX NO: []

DIA IIM 5B3-52440-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083023 25X1

HRADEC KRALOVE AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 501508N 0155050E
NPIC NO : - 71
COMIREX NO: []

DIA IIM 5B3-52441-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083024 25X1

PRAHA/RUZNYE AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 500604N 0141600E
NPIC NO : - 140
COMIREX NO: []

DIA IIM 5B3-52442-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083025 25X1

BRATISLAVA/IVANKA AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 481013N 0171250E
NPIC NO : - 12-D
COMIREX NO: []

DIA IIM 5B3-52447-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083027 25X1

MIMON AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 503713N 0144359E
NPIC NO : - 111
COMIREX NO: []

DIA IIM 5B3-52448-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083028 25X1

KUNOVICE AIRFIELD RUNWAY COMPOSITION

WAC NO : [] BE/OBJ NO: []
IDHS CODE: [] EPF CAT : 05A

CZ 490149N 0172628E
NPIC NO : - 84
COMIREX NO: []

DIA IIM 5B3-52458-78 10 MAR 78 [] SEC CLASS: 13 MSN: [] 2P ACCN: S083029 25X1

190
TOP SECRET CHESS RUFF

25X1
25X1

[Redacted]

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1

KARLOVY VARY AIRFIELD RUNWAY COMPOSITION

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

BE/ORJ NO: [Redacted]
EPF CAT : 05A

C7 501211N 0125457E

NPIC NO : - 234
COMIRFX NO: [Redacted]

25X1
25X1

DIA IIM 583-52474-78 10 MAR 78

[Redacted]

SEC CLASS: 13 MSN: [Redacted]

2P

ACCN: 5083030 25X1

DLOUHA LHOVA AIRFIELD RUNWAY COMPOSITION

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

BE/ORJ NO: [Redacted]
EPF CAT : 05A

C7 494316N 0140606E

NPIC NO : - 44
COMIRFX NO: [Redacted]

25X1
25X1

TOP SECRET CHESS RUFF

[Redacted]

[Redacted]

25X1
25X1

List of Conversion Factors by Classification

UNITS OF LENGTH

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

UNITS OF AREA

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4048.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOGRAMS	2.2046	POUNDS(AVOIR)
POUNDS(AVOIR)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

UNITS OF VOLUME

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
LITERS	0.2842	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	284.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

Top Secret

Top Secret