

PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY
KH-4 MISSION 1040-2
4-8 APRIL 1967

PART II

TCS-80221/67

APRIL 1967

COPY 195

20 PAGES

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TARGET CATEGORIES

1. GUIDED MISSILES *
 - A. ICBM Deployment
 - B. IRBM and MRBM (including search areas)
 - C. Research and Development (including space)
 - D. Production Facilities (including test)
 - E. Suspect Missile (Search area or undetermined activity)
 - F.
 - G. Naval Launched Missiles
 - H. Anti-Missile Missile
 - I. SAM Sites
 - J. Short Range Surface-to-surface Missiles
 - K. Missile support/storage areas
 - L. SAM Training Complexes
2. AIRCRAFT
 - A. Long Range Bases
 - B. Production Facilities (including R and D)
 - C. Airfields
3. NUCLEAR ENERGY
 - A. Test Area
 - B. Production
 - C. Stockpiles
 - D. Research Institutes
 - E. Suspect Activity
4. NAVAL ACTIVITY
 - A. Operating Bases
 - B. Production Yards
 - C. Commercial Ports
 - D. Locks and Canals
5. BIOLOGICAL/CHEMICAL WARFARE
 - A. BW/CW Test Areas (including test)
 - B. Production
 - C. Storage
 - D. Research Institutes
 - E. Suspect Activity
6. ELECTRONICS
 - A. Missile Tracking Facilities
 - B. Electronics (general)
7. MILITARY
 - A. Military Installations
 - B. Special Area
 - C.
 - D. Landing Beaches
8. URBAN/INDUSTRIAL
 - A. Complexes
 - B. Industrial Plants
 - C. Geodetic Control Points
9. OTHER
 - A. Unidentified Installations

* Digits in these numbers indicate specific target complexes. A suffix identifies individual components within the complex.

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PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1040-2 AND PROVIDES INFORMATION ON THE HIGHEST PRIORITY COMMITTEE ON OVER-HEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. A LISTING OF COMOR TARGET CATEGORIES APPEARS ON THE INSIDE OF THE FRONT COVER.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES. AN ALPHABETIC LISTING OF COUNTRY CODES APPEARS ON THE INSIDE OF THE BACK COVER.

SELECTED PHOTOGRAPHIC REFERENCES FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH) OR M FOR A MIXED ASCENDING AND DESCENDING PASS. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME NUMBER TO WHICH THEY APPLY. THIS GRID IS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), NS (NON-STEREO), OR PS (PARTIAL STEREO).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

Highlights

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HIGHLIGHTS

1. A TOTAL OF 7 SINGLE SILO SITES WERE NEWLY IDENTIFIED ON MISSION 1040-2. THIS INCLUDES 4 CONFIRMED TYPE IIID SITES AT SVOBODNY, 2 PROBABLE IIID SITES AT KOSTROMA, AND 1 POSSIBLE TYPE IIIC SITE AT ZHANGHIZ-TOBE. THE CURRENT COUNT OF ICBM LAUNCHERS AT DEPLOYED COMPLEXES (THE FIGURE SHOWN IN PARENTHESIS INDICATES THE NUMBER OF POSSIBLE LAUNCHERS AND IS NOT INCLUDED IN TOTALS) IS AS FOLLOWS --

TYPE IIIC	176 (2)
TYPE IIID	462 (7)
SUBTOTAL	638 (9)
OTHER LAUNCHERS	228
TOTAL	866 (9)

2. AT THE TYURATAM MISSILE TEST CENTER, THE CONSTRUCTION OF SILO HEADWORKS HAS BEGUN AT THE SITES IN LAUNCH GROUP M AND AT SITE I7. A NEARLY SQUARE SILO STRUCTURE IS IDENTIFIED IN THE EXCAVATION AT SITE M1 AND SIMILAR STRUCTURES ARE POSSIBLY UNDER CONSTRUCTION AT SITES M2 AND M3. AT SITE I7, A NEARLY SQUARE SILO STRUCTURE IS UNDER CONSTRUCTION IN THE SOUTHERNMOST SILO EXCAVATION AND POSSIBLE SILO LINERS ARE LOCATED JUST NORTH OF THE SOUTHERN AND CENTRAL SILO EXCAVATIONS. ADDITIONAL DETAILS WILL BE REPORTED IN A FORTHCOMING OAK SUPPLEMENT.

STATUS OF TARGET READOUT

THIS OAK REPORTS ON 34 COMOR TARGETS.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON THIS MISSION AND NPIC CURRENT MISSILE LISTINGS IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- TYURATAM MISSILE TEST CENTER
TABLE 3 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 4 -- SAM AND ABM DEPLOYMENT
TABLE 5 -- DEPLOYED PROBABLE LONG RANGE SAM COMPLEXES
TABLE 6 -- DATE/TIME OF PHOTOGRAPHIC PASSES

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TABLE 1. SOVIET ICBM DEPLOYMENT

COMPLEX	TYPE I A&B		TYPE II A-D		TYPE III A&B		TYPE IIIC		TYPE IIID		New Positions This Mission		Total Launch Positions	Launch Groups Identified	
	Sites	Launchers	Sites	Launchers	Sites	Launchers	Silos (Launchers)	Complete	Silos (Launchers)	Complete	IIIC	IIID		IIIC	IIID
★ ALEYSK							19	6					19	3	2
DOMBAROVSKIY							37	12					37	6	4
DROVYANAYA			3	6	3	9			50	20			65		5
GLADKAYA			2	4	1	3			57(3#)	45			64(3#)		6
★ IMENI GASTELLO							25	12					25	4	3
★ ITATKA			3	6									6		
KARTALY							29	12					29	5	3
★ KOSTROMA			6	12	1	3			19(1#)		2		34(1#)		2
KOZELSK			3	6	2	6			30				42		3
★ NOVOSIBIRSK			3	6	2	6							12		
OLOYANNAYA					3	9			81	36			90		8
OMSK					1	3							3		
★ PERM			5	10	1	3			41	32			54		4
PLESETSK*	5	8	4	8	1	3			3(1#)				22(1#)		1
★ SHADRINSK					3	9							9		
★ SVOBODNY			7	14	1	3			49(1#)		4		66(1#)		5
TATISHCHEVO									112(1#)	46			112(1#)		11(1#)
★ TEYKOVO			6	12									12		
TYUMEN			2	4									4		
UZHUR							42(1#)	18					42(1#)	7	5
★ VERKHNYAYA SALDA			7	14	2	6							20		
★ YEDROVO			6	12	2	6			20				38		2
YOSHKAR-OLA			6	12									12		
YURYA			8	16	3	9							25		
★ ZHANGIZ-TOBE							24(1#)	12			(1#)		24(1#)	4	3
TOTALS	5	8	71	142	26	78	176(2#)	72	462(7#)	179	(1#)	6	866(9#)	29	20

★ Covered This Mission

*Does not include launch positions at sites 11 through 16

(#) Possible — The Possible Sites Are Not Included in the Total Count

TABLE 2. TYURATAM MISSILE TEST CENTER, USSR

Launcher Designation																									Totals							
																									Soft		Hard					
	A1	A2	A3	B1	B2	C1	C2	C3	D1	D2	E1	E2	E3	F	G1	G1-A	G2	G2-A	G3	G4	G5	G6					U/C	Comp	U/C	Comp		
Soft																1		1										2				
Comp	1	1	1	1	1	1	1				1	1	1		1	1	1		1	1	1	1							17			
Hard																																
U/C																																
Comp										3	3					3															9	
Launcher Designation																																
Soft	H1	H2	I1	I2	I3	I4	I5	I6	I7	J1	J2	K1	K2	K3	L1	L2	L3	L4	L5	L6												
U/C										1M	1M																				2	
Comp	1	1																													2	
Hard																																
U/C					1E	1E				1E	3E																				6	
Comp			1																													12
Launcher Designation																																
Soft	L7	L8	L9	L10	M1	M2	M3	N1	N2	N3																						
U/C																																
Comp																																
Hard																																
U/C					1E	1E	1E																								3	
Comp	1	1	1	1																											7	
Launcher Designation																																
New Sites																																
Soft																																
Hard																																
E - Early stage ⊕ Undergoing Modification ○ Covered on this mission by interpretable Photography M - Mid-stage ▲ Soft Designation Tentative																								Total	4	19	9	28				
Grand Total . . .																										60 Launchers						

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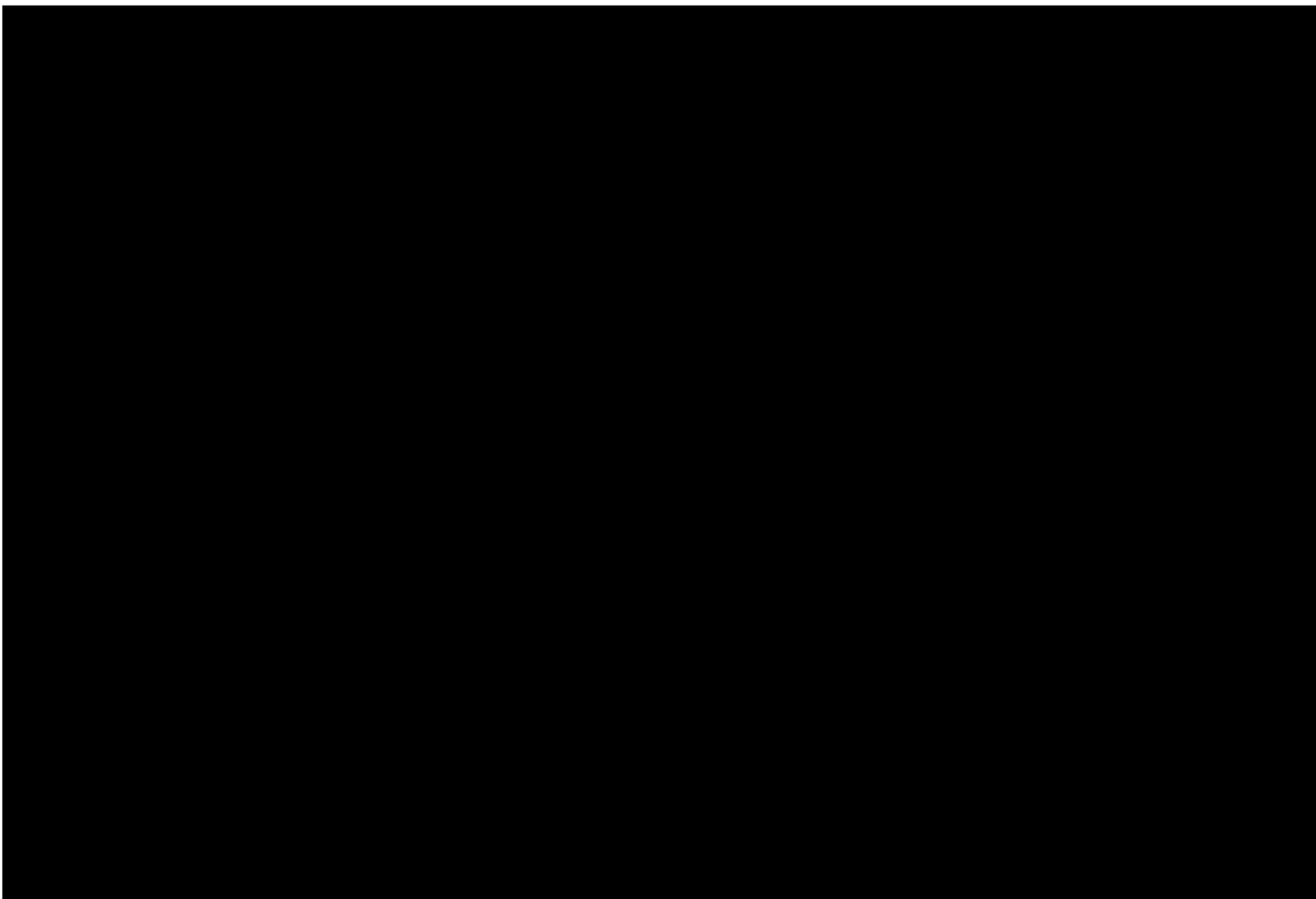
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TABLE 3. SOVIET MRBM AND IRBM DEPLOYMENT

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	118	9	18	10	155	608
Caucasus	3		2	3	8	29
Central Asia	2	2	1	3	8	29
Far Eastern	9	1		1	11	43
Totals	132	12	21	17	182	709

Totals do not include 100 fixed field-type sites with total of 374 launch positions and one launch facility at Sovetskaya Gavan



25X6

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25X1D

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Missiles

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25X1A

MISSILES

SVOBODNY ICBM COMPLEX

UR 5146N 12806E

FOUR TYPE IIID SITES ARE NEWLY IDENTIFIED. SITE 63M IS AT 51-39N 128-22E, SITE 64M IS AT 51-41N 128-19E, SITE 65M IS AT 51-44N 128-14E, AND SITE 66M IS AT 51-37N 128-22E. ALL ARE IN AN EARLY STAGE OF CONSTRUCTION. THEY ARE FIRST SEEN ON THIS MISSION AND CAN BE NEGATED

[REDACTED]

NO OTHER NEW MISSILE FACILITIES OBSERVED IN THE 50-NM SEARCH AREA.

[REDACTED]

KOSTROMA ICBM COMPLEX

UR 5746N 04101E

TWO TYPE IIID PROBABLE LAUNCH SITES, DESIGNATED SITES 30 AND 31, ARE NEWLY IDENTIFIED AT THIS COMPLEX. SITE 30 IS AT 57-49N 041-23E AND SITE 31 IS AT 57-51N 041-30E. BOTH SITES ARE IN AN UNDETERMINED STAGE OF CONSTRUCTION. BOTH SITES CAN BE NEGATED

[REDACTED]

NO OTHER MISSILE ACTIVITY OBSERVED IN THE 50-NM SEARCH AREA.

[REDACTED]

TEYKOVO ICBM COMPLEX

UR 5652N 04034E

NO NEW MISSILE-RELATED FACILITIES OBSERVED IN HAZE-FREE PORTIONS OF THE 50-NM SEARCH AREA.

[REDACTED]

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25X1D



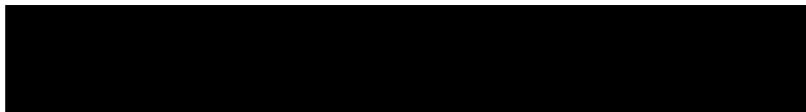
25X1A

YEDROVO ICBM COMPLEX

UR 5751N 03340E

THE EASTERN 80 PERCENT OF THE 50-NM SEARCH AREA IS COVERED. NO NEW MISSILE FACILITIES OBSERVED.

25X1D



IMENI GASTELLO ICBM COMPLEX

UR 5106N 06618E

ALL BUT THE EASTERN 10 PERCENT OF THE 50-NM SEARCH AREA IS COVERED ON PHOTOGRAPHY. THE WESTERN 25 PERCENT IS CLOUD COVERED. NO NEW MISSILE ACTIVITY OBSERVED IN CLEAR PORTIONS OF THE SEARCH AREA.

25X1D



HA NOI SAM SEARCH

VN 2102N 10551E

EIGHTY PERCENT OF THE 60-NM SEARCH AREA IS COVERED ON APPROXIMATELY 70 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO NEW SAM INSTALLATIONS ARE IDENTIFIED.

25X1D



VINH SAM SEARCH

VN 1840N 10540E

SIXTY PERCENT OF THE 60-NM SEARCH AREA IS COVERED ON APPROXIMATELY 70 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO NEW SAM INSTALLATIONS ARE IDENTIFIED.

25X1D



CAO BANG SAM SEARCH AREA

VN 2240N 10615E

THE ENTIRE 50-NM SEARCH AREA IS COVERED ON 90 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO SAM INSTALLATIONS ARE IDENTIFIED.

25X1D



DONG HOI SAM SEARCH AREA VN 1728N 10637E

THE ENTIRE 60-NM SEARCH AREA IS COVERED ON 50 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO NEW SAM INSTALLATIONS ARE IDENTIFIED.

25X1D

PAO-TOU SAM SEARCH AREA CH 4039N 10958E

THE ENTIRE 50-NM SEARCH AREA IS COVERED ON 5 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO NEW SAM ACTIVITY OBSERVED IN CLOUD-FREE AREAS. THE KNOWN SAM SITE, A05-2, IS OCCUPIED.

25X1D

CHELYABINSK ABM/PROB LR SAM SEARCH AREA UR 5510N 06125E

THE ENTIRE SEARCH AREA IS COVERED ON TWO PASSES OF PHOTOGRAPHY WITH SOME SCATTERED CLOUD COVER. NO ABM OR PROBABLE LONG RANGE SAM COMPLEXES OBSERVED.

25X1D

ZALARI SUSPECT ICBM COMPLEX UR 5326N 10237E

THE FACILITY IS EXPANDING AT THE RAILHEAD AND TO THE SOUTH ALONG THE SPUR TO THE HOUSING AREA. THREE LARGE LIQUID STORAGE TANKS HAVE BEEN CONSTRUCTED ALONG WITH A NUMBER OF BUILDINGS. TWO MORE RAIL SIDINGS HAVE BEEN ADDED TO THE RAILHEAD FACILITY. SEVERAL CONNECTING ROADS IN THE AREA HAVE BEEN CONSTRUCTED LINKING THE BUILT-UP SECTIONS TOGETHER. THE FUNCTION OF THIS FACILITY IS YET TO BE DETERMINED.

25X1D

KHARKOV ABM SEARCH UR 4959N 03614E

THE EASTERN ONE-THIRD OF THE 50-NM SEARCH AREA IS COVERED ON PHOTOGRAPHY WITH HAZE AND HEAVY CLOUDS. NO MOSCOW-TYPE ABM FACILITIES ARE IDENTIFIED IN CLOUD-FREE AREAS.

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25X1D



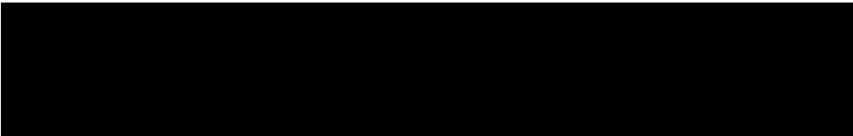
25X1A

DONETSK ABM SEARCH

UR 4800N 03747E

THE SEARCH AREA IS COVERED ON TWO PASSES OF PHOTOGRAPHY WITH APPROXIMATELY 90 PERCENT CLOUD COVER. NO MOSCOW-TYPE ABM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

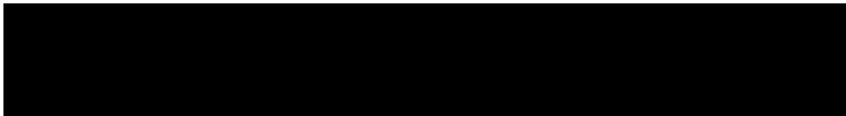


SVERDLOVSK ABM SEARCH

UR 5650N 06030E

THE ENTIRE SEARCH AREA IS COVERED ON CLOUD-FREE PHOTOGRAPHY. NO MOSCOW-TYPE ABM ACTIVITY OBSERVED.

25X1D

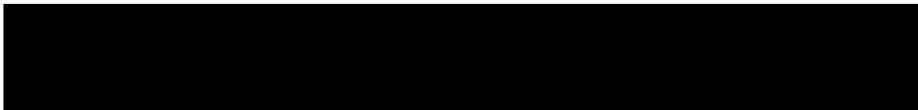


ROSTOV ABM/PROB LONG RANGE SAM SEARCH

UR 4714N 03942E

APPROXIMATELY 60 PERCENT OF THE 50-NM SEARCH AREA IS COVERED ON TWO PASSES OF PHOTOGRAPHY WITH SCATTERED CLOUD COVER. NO ABM OR PROBABLE LONG RANGE SAM COMPLEXES OBSERVED IN CLOUD-FREE AREAS.

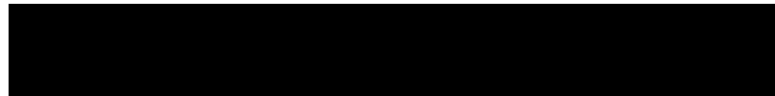
25X1D



KALININGRAD ABM/PROB LONG RANGE SAM SEARCH UR 5445N 02030E

THE SEARCH AREA IS COVERED BY HEAVY CLOUDS. NO ABM OR PROBABLE LONG RANGE SAM COMPLEXES IDENTIFIED IN CLOUD-FREE AREAS.

25X1D



MURMANSK ABM/PROB LONG RANGE SAM SEARCH

UR 6858N 03305E

THE SEARCH AREA IS COVERED ON THREE PASSES OF PHOTOGRAPHY WITH APPROXIMATELY 80 PERCENT CLOUD COVER. NO ABM OR PROBABLE LONG RANGE SAM LAUNCH COMPLEXES IDENTIFIED IN CLOUD-FREE PORTIONS.

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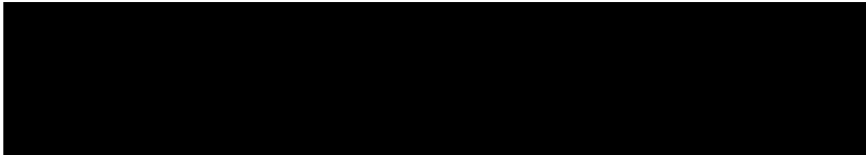
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25X1D



25X1A

MOSKVA ABM SEARCH AREA UR 5545N 03737E

THE SEARCH AREA IS COVERED ON THREE PASSES OF PHOTOGRAPHY WITH CLOUD COVER RANGING FROM SCATTERED TO HEAVY. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE INSTALLATIONS, ELECTRONIC FACILITIES POSSIBLY RELATED TO ADDITIONAL ABM DEPLOYMENT OBSERVED IN CLOUD-FREE AREAS.

25X9
25X9



25X1D

MOSKVA ABM LAUNCH COMPLEX E05 UR 5614N 03835E

NO CHANGE IS OBSERVED ON THE PRINCIPAL BUILDINGS IN TRIAD 1. ACTIVITY IS APPARENT AT SEVERAL OF THE LAUNCH POSITIONS, BUT THE PRESENCE OF LAUNCHER/ERECTOR MECHANISMS IS NOT DISCERNIBLE. IN TRIAD 2, BOTH THE 60-FT SOLID PARABOLIC DISH AND THE CAPPING SECTION FOR THE RADOME STILL APPEAR TO BE ON THE GROUND ADJACENT TO BUILDING A. NO CHANGE IS OBSERVED ON THE PREVIOUSLY COMPLETED RADOMES OF BUILDINGS B AND C. ACTIVITY IS APPARENT AT SEVERAL LAUNCH POSITIONS, BUT THE PRESENCE OF LAUNCHER/ERECTOR MECHANISMS IS NOT DISCERNIBLE.

IN THE SUPPORT AREA, 8 MULTISTORY APARTMENT-TYPE BUILDINGS HAVE BEEN COMPLETED, 2 APPEAR NEARLY COMPLETE, AND 2 MORE ARE UNDER CONSTRUCTION, MAKING A TOTAL OF 12 BUILDINGS OF THIS TYPE. NO MISSILES CAN BE IDENTIFIED IN THE COMPLEX.

25X1D



MOSKVA ABM LAUNCH COMPLEX E33 UR 5620N 03648E

NO SIGNIFICANT CHANGE OR CONSTRUCTION PROGRESS IS DISCERNIBLE AT THE COMPLEX. NO MISSILES CAN BE IDENTIFIED IN THE COMPLEX.

25X1D

25X1D



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25X1A

MOSKVA ABM LAUNCH COMPLEX E03

UR 5622N 03811E

AT TRIAD 1, THE SUPERSTRUCTURES FOR BUILDINGS A AND C APPEAR TO BE IN A MID-STAGE OF CONSTRUCTION. HOWEVER, BUILDING B DOES NOT APPEAR TO HAVE PROGRESSED ABOVE THE FOUNDATION STAGE. AT TRIAD 2, CONSTRUCTION HAS NOT BEEN STARTED ON ANY OF THE PRINCIPAL BUILDINGS, ALTHOUGH THERE IS SOME ACTIVITY AT THE LOCATION WHERE BUILDING A WILL BE CONSTRUCTED.

NO MISSILES OR MISSILE-RELATED EQUIPMENT CAN BE IDENTIFIED WITHIN THE COMPLEX.



25X1D

BRATSK SUSPECT ABM AREA

UR 5654N 10030E

THE WESTERN 40 PERCENT OF THE SEARCH AREA IS COVERED ON PHOTOGRAPHY. NO ABM FACILITIES OR PROBABLE LONG RANGE SAM COMPLEXES OBSERVED.

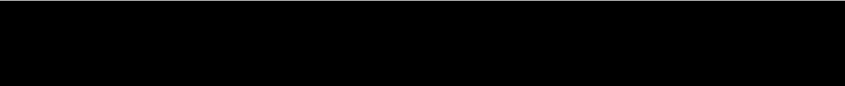


25X1D

NIZHNIY TAGIL PROB LONG RANGE SAM LCH CPLX UR 5805N 06053E

NO SIGNIFICANT CHANGE IS DISCERNIBLE IN THE CONSTRUCTION STATUS OF FACILITIES AT THE COMPLEX. LAUNCH SITE CONSTRUCTION IS IN A MID-TO-LATE STAGE. REVETMENT WALLS FOR THE LAUNCH SITE CONTROL CENTERS ARE INCOMPLETE. A POSSIBLE NEW BUILDING IN AN EARLY STAGE OF CONSTRUCTION IS ALONG THE ROAD AT THE CENTER OF THE MISSILE HANDLING AREA.

NO MISSILES OR MISSILE-RELATED EQUIPMENT DISCERNIBLE AT THE COMPLEX.



25X1D
25X1D

25X1D

SEVERDLOVSK PROB LONG RANGE SAM LCH CPLX UR 5704N 06101E

THE COMPLEX IS IN A MID-TO-LATE STAGE OF CONSTRUCTION. AT LAUNCH POSITION A6, A PROBABLE CANVAS-COVERED ENVIRONMENTAL SHELTER COVERS THE LAUNCH POINT AND SMALLER SHELTERS COVER EACH END OF THE TRACKS WHERE MISSILE DOLLIES ARE NORMALLY POSITIONED. TWO UNIDENTIFIED PROBABLY CANVAS-COVERED OBJECTS ARE

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LOCATED ON POSITION A4 SERVICE ROAD. A POSSIBLE EARTHEN WALL IS BETWEEN THE LAUNCH POSITIONS AND THE SITE SERVICE ROAD AT POSITIONS A1 AND A5. TRACK BEDS ARE DISCERNIBLE AT B3. NO CHANGE IS OBSERVED AT THE TRACKING/GUIDANCE FACILITY OR THE SUPPORT AREA. THE MISSILE HANDLING AREA IS NOT DISCERNIBLE.

AN AIR WARNING FACILITY IS UNDER CONSTRUCTION 3.5 NM SSE OF THE LAUNCH COMPLEX AT 57-02N 061-02E. THE FACILITY CONSISTS OF 4 RADAR POSITIONS, 2 OF WHICH APPEAR MOUNDED. THE FACILITY WAS NOT PRESENT ON [REDACTED] ALTHOUGH GROUND LEVELING MAY HAVE BEEN IN PROGRESS. INITIAL STAGES OF CONSTRUCTION WERE DISCERNIBLE [REDACTED]

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

[REDACTED]

KIMRY PROB LONG RANGE SAM LCH CPLX UR 5646N 03720E

THE AIR WARNING SITE 5 NM NNE OF THE COMPLEX IS UNOCCUPIED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

[REDACTED]

KALININ PROB LONG RANGE SAM LCH CPLX UR 5637N 03552E

[REDACTED] A DOUBLE SECURITY FENCE HAS BEEN CONSTRUCTED AROUND THE LAUNCH COMPLEX AND EXTENSIVE TREE CLEARING HAS BEEN ACCOMPLISHED NORTH OF THE LAUNCH AREA. THE MISSILE HANDLING AREA ALSO HAS BEEN CLEARED BETWEEN THE NEW BUILDINGS AND THE LAUNCH SITE SERVICE ROAD. A PATH HAS BEEN CLEARED IN THE TREES BETWEEN LAUNCH POSITION A-4 AND THE TRACKING/GUIDANCE FACILITY. AT LEAST 2 ADDITIONAL BUILDINGS HAVE BEEN CONSTRUCTED IN THE SUPPORT AREA. CONSTRUCTION CONTINUES AT THE TRACKING/GUIDANCE FACILITY. ALL 3 LAUNCH SITES ARE IN MID-TO-LATE STAGES OF CONSTRUCTION. PREPARATIONS FOR MISSILE DOLLY TRACKS ARE OBSERVED AT LAUNCH POSITION B-6. AT LAUNCH SITE C, 5 VEHICLES/PIECES OF EQUIPMENT ARE PARKED ALONG THE

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SITE SERVICE ROAD AT LAUNCH POSITION 6. NO MISSILES
ARE IDENTIFIED.

25X1D



25X1A

PERESLAVL-ZALESSKIY PROB LR SAM LCH CPLX UR 5645N 03838E

25X1D

NO SIGNIFICANT CHANGES OR ADDITIONS

25X1D

ARE OBSERVED AT THE COMPLEX. THE LAUNCH
POSITIONS OF SITES A AND C ARE PROBABLY OCCUPIED.
CONSTRUCTION STATUS OF LAUNCH SITE B IS UNDETERMINED.
TWO OF THE RADAR POSITIONS AT THE TRACKING/GUIDANCE
FACILITY ARE OCCUPIED, THE THIRD CANNOT BE DETERMINED.

25X1D

VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN AN AREA WEST
OF LAUNCH SITE A AS REPORTED

NO MISSILES ARE IDENTIFIABLE AT THE COMPLEX.

THE 4 RADAR MOUNDS AND THE REVETTED CENTRAL POSITION
ARE OCCUPIED AT THE AIR WARNING RADAR FACILITY LOCATED
APPROXIMATELY 3 NM SE OF THE LAUNCH COMPLEX.

25X1D



MOZHAYSK PROB LONG RANGE SAM LAUNCH CPLX UR 5538N 03548E

A SEGMENT OF LAUNCH SITE A IS THE ONLY AREA OF THE
COMPLEX OBSERVED THROUGH HEAVY CLOUDS. NO MISSILES OR
MISSILE-RELATED EQUIPMENT CAN BE IDENTIFIED.

25X1D



TOMSK PROB LONG RANGE SAM LAUNCH COMPLEX UR 5636N 08433E

25X1D

NO ADDITIONAL ACTIVITY HAS OCCURED AT LAUNCH SITE A
 LAUNCH POSITIONS 1, 2, AND
3 AT SITE B ARE NOW SERVICED BY A LOOP ROAD AND
PREPARATIONS FOR MISSILE DOLLY TRACKS ARE OBSERVED AT
THESE POSITIONS. UNIDENTIFIED CONSTRUCTION ACTIVITY IS
NOTED SOUTH OF THIS SITE AND A ROAD HAS BEEN
CONSTRUCTED TO IT. INITIAL PREPARATIONS ARE UNDERWAY
AT SITE C FOR CONSTRUCTION OF POSITIONS 1, 2, AND 3 AND
THE CENTRAL CONTROL REVETMENT. THE TRACKING/GUIDANCE
FACILITY NOW CONSISTS OF AN EXCAVATION IN THE CENTRAL
CONTROL AREA AND 3 RADAR MOUNDS. TWO LARGE BUILDINGS,

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PREVIOUSLY REPORTED UNDER CONSTRUCTION IN THE MISSILE HANDLING AREA, NOW APPEAR TO BE EXTERNALLY COMPLETE. AT LEAST 2 BUILDINGS ARE LOCATED IN A POSSIBLE SUPPORT AREA NORTH OF LAUNCH SITE A. THE COMPLEX IS PARTIALLY SECURED BY A DOUBLE FENCE. NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1D



25X1A

KOSTROMA PROB LONG RANGE SAM LCH CPLX UR 5813N 04138E



ACTIVITY AT THE LAUNCH SITES APPEARS TO BE CONCENTRATED AT SITES A AND C WHERE SNOW HAS BEEN REMOVED FROM ALL LAUNCH POSITIONS. A PROBABLE TANK HAS BEEN OR IS BEING BURIED ADJACENT TO THE SITE B CONTROL CENTER ACCESS ROAD. A LARGE SWATH HAS BEEN CUT IN THE TREES BETWEEN LAUNCH SITES A AND C AND THE TRACKING/GUIDANCE FACILITY. ALL TREES HAVE BEEN CLEARED AT THE TRACKING/GUIDANCE FACILITY. THE RADAR MOUNDS APPEAR COMPLETE AND THE CENTRAL CONTROL REVETMENT IS PARTIALLY COMPLETE.

THE AREA BEHIND THE LAUNCH SITES WHICH CONTAINS THE MISSILE-HANDLING AND SUPPORT AREAS IS DOUBLY SECURED WHILE THE LAUNCH SITES AND THE TRACKING/GUIDANCE FACILITY ARE SINGLY FENCED. TWO PROBABLE DRIVE-THROUGH BUILDINGS IN THE MISSILE-HANDLING AREA ARE PARTIALLY COMPLETE. ONE BUILDING FOUNDATION IS DISCERNIBLE IN A NEW AREA OF CONSTRUCTION ADJACENT TO THE MISSILE HANDLING AREA.

WEATHER CONDITIONS PRECLUDE IDENTIFICATION OF MISSILE-RELATED EQUIPMENT.

25X1D



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25X1A

AIR FACILITIES

SIAULIAI AIRFIELD

UR 5553N 02323E

OB -- 13 BISON/BEAR, 2 BADGER, AT LEAST 45 SMALL
SWEEP/DELTA-WING, AND 7 LIGHT STRAIGHT-WING.

NO CHANGE OBSERVED IN MISSILE STORAGE FACILITIES.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

HSI-AN AIRFRAME PLANT YEN-LIANG AIRFIELD CH 3438N 10913E

OB -- 4 SMALL PROBABLE AIRCRAFT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

AN-SHUN AIRFIELD

CH 2615N 10552E

THE RUNWAY AND TAXIWAY ARE IN EARLY STAGES OF
CONSTRUCTION. GRADING NOW APPEARS TO BE APPROXIMATELY
10,000 FT LONG. AT LEAST 100 SUPPORT BUILDINGS AND AT
LEAST 10 VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED.

25X1D

Index

25X1A

INDEX OF TARGETS

AN ASTERISK (*) IN THE FINAL COLUMN DESIGNATES A TARGET THAT IS IDENTIFICATION ONLY.

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
	PLESETSK MISSILE AND SPACE CENTER	UR	6254N 04038E	1
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06024E	1
	TYURATAM MISSILE TEST CENTER	UR	4538N 06317E	1
	SVOBODNYY ICBM COMPLEX	UR	5146N 12806E	2
	KOSTROMA ICBM COMPLEX	UR	5746N 04101E	2
	ITATKA ICBM COMPLEX	UR	5650N 08535E	1
	SHADRINSK ICBM COMPLEX	UR	5607N 06339E	1
	PERM ICBM COMPLEX	UR	5742N 05619E	1
	TEYKOVO ICBM COMPLEX	UR	5652N 04034E	2
	YEDROVO ICBM COMPLEX	UR	5751N 03340E	2
	NOVOSIBIRSK ICBM COMPLEX	UR	5515N 08259E	1
	ZHANGIZ-TOBE ICBM COMPLEX	UR	4912N 08109E	1
	ALEYSK ICBM COMPLEX	UR	5229N 08243E	1
	IMENI GASTELLO ICBM COMPLEX	UR	5106N 06618E	2
	HA NOI SAM SEARCH	VN	2102N 10551E	2
	VINH SAM SEARCH	VN	1840N 10540E	2
	CAO BANG SAM SEARCH AREA	VN	2240N 10615E	2
	DONG HOI SAM SEARCH AREA	VN	1728N 10637E	2
	PAO-TOU SAM SEARCH AREA	CH	4039N 10958E	2
	CHELYABINSK ABM/PROB LR SAM SEARCH AREA	UR	5510N 06125E	2
	ZALARI SUSPECT ICBM COMPLEX	UR	5326N 10237E	2
	KHARKOV ABM SEARCH	UR	4959N 03614E	2
	DONETSK ABM SEARCH	UR	4800N 03747E	2
	SVERDLOVSK ABM SEARCH	UR	5650N 06030E	2
	ROSTOV ABM/PROB LONG RANGE SAM SEARCH	UR	4714N 03942E	2
	GORKIY ABM SEARCH	UR	5615N 04355E	1
	AMDERMA HEN HOUSE SEARCH	UR	6945N 06139E	1
	VORKUTA HEN HOUSE SEARCH	UR	6730N 06400E	1
	KHATANGA HEN HOUSE SEARCH	UR	7158N 10228E	1
	SOCHI ABM/PROB LONG RANGE SAM SEARCH	UR	4335N 03945E	1
	KALININGRAD ABM/PROB LONG RANGE SAM SEARCH	HUR	5445N 02030E	2
	OLENEGORSK ABM/PROB LONG RANGE SAM SEARCH	UR	6808N 03318E	1
	MURMANSK ABM/PROB LONG RANGE SAM SEARCH	UR	6858N 03305E	2
	GUBA SAYDA SUBMARINE BASE	UR	6915N 03320E	1
	POLYARNYY SUBMARINE BASE AND NAVAL BASE	UR	6912N 03328E	1
	GUBA LITSA SUBMARINE BASES NORTH & SOUTH	UR	6926N 03224E	1
	IOKANGA NAVAL BASE AND SHIP REPAIR YARD	UR	6804N 03932E	1
	VLADIVOSTOK SUBMARINE BASE BUKHTA ULISA	UR	4304N 13155E	*
	PETROVKA SHIPYARD	UR	4307N 13220E	1
	ZALIV STRELOK SUBMARINE BASE PAVLOVSKOGO	UR	4252N 13232E	1
	DUNAY SUBMARINE BASE BUKHTA KONYUSHKOVA	UR	4252N 13222E	1
	PECHENGA NAVAL BASE LINAKHAMARI	UR	6938N 03122E	1

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MOSKVA ABM SEARCH AREA	UR	5545N	03737E	2
MOSKVA ABM LAUNCH COMPLEX E05	UR	5614N	03835E	2
MOSKVA ABM LAUNCH COMPLEX E33	UR	5620N	03648E	2
MOSKVA SAM SITE C30-1	UR	5556N	03655E	*
MOSKVA ABM LAUNCH COMPLEX E31	UR	5607N	03629E	*
MOSKVA ABM LAUNCH COMPLEX E03	UR	5622N	03811E	2
BRATSK SUSPECT ABM AREA	UR	5654N	10030E	2
CHEREPOVETS PROB LONG RANGE SAM LCH CPLX	UR	5906N	03810E	*
NIZHNIY TAGIL PROB LONG RANGE SAM LCH CPLX	XUR	5805N	06053E	2
NIZHNYAYA TURA PROB LR SAM LAUNCH CPLX	UR	5847N	05953E	*
SEVERDLOVSK PROB LONG RANGE SAM LCH CPLX	UR	5704N	06101E	2
KIMRY PROB LONG RANGE SAM LCH CPLX	UR	5646N	03720E	2
KALININ PROB LONG RANGE SAM LCH CPLX	UR	5637N	03552E	2
BABAYEVO PROB LONG RANGE SAM LCH CPLX	UR	5933N	03520E	1
PERESLAVL-ZALESSKIY PROB LR SAM LCH CPLX	UR	5645N	03838E	2
MOZHAYSK PROB LONG RANGE SAM LAUNCH CPLX	UR	5538N	03548E	2
ANGARSK PROB LONG RANGE SAM LAUNCH CPLX	UR	5242N	10402E	1
TOMSK PROB LONG RANGE SAM LAUNCH COMPLEX	UR	5636N	08433E	2
KOSTROMA PROB LONG RANGE SAM LCH CPLX	UR	5813N	04138E	2
YU-LIN COASTAL DEFENSE AND RADAR SITE	CH	1811N	10929E	1
SIAULIAI AIRFIELD	UR	5553N	02323E	2
UKRAINA AIRFIELD	UR	5110N	12826E	1
OLENEGORSK AIRFIELD	UR	6809N	03328E	1
SPASSK-DALNIY AIRFIELD EAST	UR	4436N	13253E	*
BELAYA AIRFIELD	UR	5254N	10335E	1
KHOROL AIRFIELD EAST	UR	4426N	13207E	*
ROMANOVKA AIRFIELD WEST	UR	4314N	13219E	1
SEVEROMORSK AIRFIELD	UR	6901N	03325E	1
KIPELOVO AIRFIELD	UR	5911N	03907E	1
HSI-AN AIRFRAME PLANT YEN-LIANG AIRFIELD	CH	3438N	10913E	2
AN-SHUN AIRFIELD	CH	2615N	10552E	2
KUEI-YANG/LEI-CHUANG AIRFIELD	CH	2625N	10632E	1
LING-SHUI AIRFIELD	CH	1830N	10959E	1
HAIPHONG/CAT BI AIRFIELD	VN	2049N	10643E	1
IRKUTSK AIRFIELD SOUTHEAST	UR	5216N	10422E	1
CHIA-LAI-SHIH AIRFIELD	CH	1942N	10944E	1

25X2

LOP NOR PROB SUPPORT BASE CHIU-HO-SHIH	CH	4211N	08719E	1
YU-LIN NAVAL BASE AND PORT	CH	1813N	10931E	1
PEI-HAI NAVAL FACILITY	CH	2129N	10904E	1
HON GAI PORT FACILITIES	VN	2057N	10705E	1
AN-SHUN MILITARY AREA	CH	2615N	10556E	1
KUEI-YANG ARMY BARRACKS SOUTH	CH	2633N	10643E	1
KUEI-YANG STORAGE DEPOT	CH	2628N	10644E	1

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