

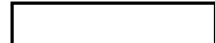
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PHOTOGRAPHIC INTERPRETATION REPORT



KH-4 MISSION I037-2
13-20 NOVEMBER 1966



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NOVEMBER 1966

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PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT ON MISSION 1037-2 AND PROVIDES INFORMATION ON THE HIGHEST PRIORITY COMMITTEE ON OVER-HEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

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 (SEMI-DARKNESS), 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.

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Highlights



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HIGHLIGHTS

1. MISSILE ACTIVITY

SEVEN OF THE 25 KNOWN ICBM COMPLEXES AND THE TYURATAM MISSILE TEST CENTER ARE OBSERVED ON THE PHOTOGRAPHY. SHADRINSK, TYUMEN, AND THE TYURATAM MISSILE TEST CENTER ARE COVERED BY CLEAR PHOTOGRAPHY. DOMBAROVSKIY, KARTALY, KOSTROMA, OLOVYANNAYA, AND ZHANGIZ-TOBE ARE OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS AND HAZE. TWO TYPE IIIC SINGLE SILO SITES ARE NEWLY IDENTIFIED AT KARTALY AND 6 TYPE IIID SITES (2 CONFIRMED, 3 PROBABLE, AND 1 POSSIBLE) AT OLOVYANNAYA. THE CURRENT COUNT OF ICBM LAUNCHERS AT DEPLOYED COMPLEXES (THE FIGURE SHOWN IN PARENTHESIS INDICATES THE NUMBER OF POSSIBLE LAUNCHERS AND IT IS NOT INCLUDED IN TOTALS) IS AS FOLLOWS --

	TYPE IIIC	132 (2)
	TYPE IIID	371 (23)
SUB TOTAL		503 (25)
OTHER LAUNCHERS		228
TOTAL		731 (25)

THE ENTIRE SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA, IS COVERED BY CLEAR PHOTOGRAPHY. AT LAUNCH COMPLEX B, THE 195-FT HIGH GANTRY IS OBSERVED IN A FORWARD POSITION ON ONE PASS. THE GANTRY IS MOVED BACK TO ITS PREVIOUS LOCATION ON THE SECOND PASS. THE TOP OF THE FLAME DEFLECTOR IS NOW UNCOVERED AND ITS SIDEWALLS HAVE BEEN BACKFILLED.

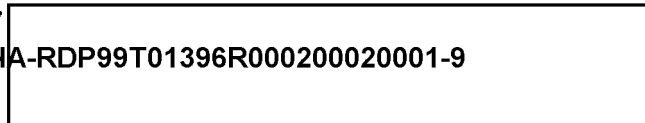
NORTH VIETNAM IS COVERED BY ONE PASS WHICH IS ESTIMATED TO BE 99 PERCENT CLOUD COVERED. NO KNOWN SA-2 SAM OR NEW SAM INSTALLATIONS ARE OBSERVED.

2. AIR ACTIVITY

DOLON AIRFIELD IS THE ONLY LONG RANGE BOMBER AIRFIELD OBSERVED ON THIS MISSION. AIRCRAFT PRESENT ON THIS FIELD INCLUDE 40 BEAR, 3 BISON, 1 BADGER, 1 POSSIBLE BADGER, 3 CAT/CUB, AND 2 LIGHT STRAIGHT-WING.



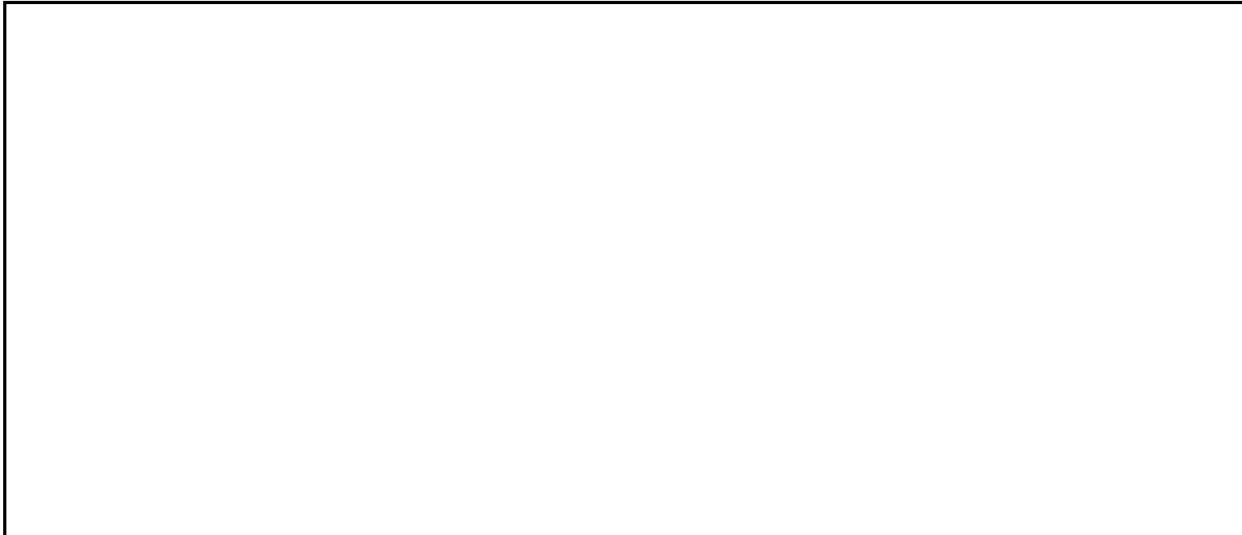
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STATUS OF TARGET READOUT

THIS OAK REPORTS ON 38 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 -- DATE/TIME OF PHOTOGRAPHIC PASSES

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TABLE 1. SOVIET ICBM DEPLOYMENT

COMPLEX	TYPE I		TYPE II		TYPE III		TYPE IIIC		TYPE IIID		New Positions this Mission		Total Launch Positions	Launch Groups Identified To Date	
	A&B	A-D	A&B			Complete	Sites	Complete			IIC	IID		IIC	IID
	Sites Launchers	Sites Launchers	Sites Launchers	Sites Launchers	Sites Launchers	Complete	Sites Launchers	Complete							
ALEYSK						17	5						17	3	
*DOMBAROVSKIY						24(1#)	6						24(1#)	4	
DROVYANAYA		3 6	3 9						47(1#)	20			62(1#)		5
GLADKAYA		2 4	1 3						43(1#)	6			50(1#)		5
IMENI GASTELLO						23	7						23	4	
ITATKA		3 6											6		
*KARTALY						25	6				2		25	4	
*KOSTROMA		6 12	1 3						5(2#)				20(2#)		2
KOZELSK		3 6	2 6						19(4#)				31(4#)		2
NOVOSIBIRSK		3 6	2 6										12		
*OLOVYANNAYA			3 9						80(1#)	18		5(1#)	89(1#)		8
OMSK			1 3										3		
PERM		5 10	1 3						36(9#)	4			49(9#)		4
PLESETSK*	5 8	4 8	1 3										19		
*SHADRINSK			3 9										9		
SVOBODNYI		7 14	1 3						30(1#)				47(1#)		4
TATISHCHEVO									102(3#)	32			102(3#)		11
TEYKOVO		6 12											12		
*TYUMEN		2 4											4		
UZHUR						22(1#)	7						22(1#)	4	
VERKHNYAYA SALDA		7 14	2 6										20		
YEDROVO		6 12	2 6						9(1#)				27(1#)		2
YOSHKAR-OLA		6 12											12		
YURYA		8 16	3 9										25		
*ZHANGIZ-TOBE						21	6						21	4	
TOTALS	5 8	71 142	26 78			132(2#)	37		371(23#)	80	2	5(1#)	731(25#)	23	43

* DOES NOT INCLUDE 2 SSM POSITIONS AT SITE 13 nor 10 POSSIBLE SILOS OF UNIDENTIFIED TYPE.

* COVERED THIS MISSION (#) POSSIBLE. THE POSSIBLE SITES ARE NOT INCLUDED IN THE TOTAL COUNT.

TABLE 2. TYURATAM MISSILE TEST CENTER, USSR

Launcher Designation																		Totals											
		Soft		Hard																									
Launcher Designation		A1	A2	A3	B1	B2	C1	C2	C3	D1	D2	E1	E2	E3	F	G1	G2	G3	G4	G5	G6	U/C	Comp	U/C	Comp				
Soft	U/C																												
	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		H1	H2	I1	I2	I3	I4	I5	I6	I7	J1	J2	K1	K2	K3	L1	L2	L3	L4	L5	L6								
Soft	U/C										(1M)	(1M)												2					
	Comp	(1)	(1)																						2				
Hard	U/C			(1E)	(1E)				(1E)	(3E)																6			
	Comp			(1)			(1)	(1)					(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)					12		
Launcher Designation		L7	L8	L9	L10	M1	M2	M3	N1	N2	N3																		
Soft	U/C																												
	Comp																												
Hard	U/C				(1E)	(1E)	(1E)																			3			
	Comp	(1)	(1)	(1)	(1)				(1)	(1)	(1)																7		
Launcher Designation																													
New Sites	Soft																												
	Hard																												
		E - Early stage																				Total				2	19	9	28
		M - Mid-stage																											
		L - Late stage																											
		○ Covered on this mission by Interpretable Photography																				Grand Total . . .				58 Launchers			

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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

TABLE 4. SAM AND ABM DEPLOYMENT

	Country															Totals***				
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	Mongolia	North Korea	Indonesia	Egypt	Cuba	India			North Vietnam	Afghanistan	
SAM sites	SA-1	56																56	Confirmed	
		1																1	Probable	
		1025	2	19	25	16	32	18	5	19	1	5	5	32	25**	14	135	1	1433	Possible
	SA-2	2																	8	Probable
	1			1					1									3	Possible	
	32								3				1	3	2	1		43	Training***	
	110																	110	Confirmed	
	13																	13	Probable	
	1																	1	Possible	
	13																	13	Training***	
SA-2 SAM Support Facilities	201	1	4	6	4	6	2	1										247	Confirmed	
	2																	5	Probable	
	1																	1	Possible	
SA-3 SAM Assembly Facilities	13																	13	Confirmed	
	2																	2	Probable	
																			Possible	
±Long Range SAM	22																	22	Confirmed	
	1																	1	Probable	
																			Possible	
	1																	1	Training	
±± ABM Complexes	2																	2	Confirmed	
	5																	5	Probable	
																			Possible	

*Does not include alternate sites, USSR ± Complexes are probably long range SAM associated
 **Does not include 30 abandoned sites ±± Complexes are probably ABM associated
 ***Total reflects individual sites

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Missiles

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MISSILES

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TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

THE TYURATAM MISSILE TEST CENTER IS COVERED ON 2 PASSES OF CLOUD-FREE PHOTOGRAPHY OF FAIR INTERPRETABILITY. ALL PORTIONS OF THE RANGEHEAD ARE COVERED BY PHOTOGRAPHY. NO NEW MISSILE FACILITIES OBSERVED WITHIN THE 50-NM SEARCH AREA.

[REDACTED]

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

ONLY THE SE 5 PERCENT OF THE SEARCH AREA IS COVERED BY PHOTOGRAPHY. NO NEW MISSILE FACILITIES OBSERVED.

[REDACTED]

KOSTROMA ICBM COMPLEX

UR 5746N 04101E

THE WESTERN 60 PERCENT OF THE SEARCH AREA IS COVERED BY PHOTOGRAPHY, BUT HEAVY CLOUDS, HAZE, AND SEMIDARKNESS PREVENT IDENTIFICATION OF NEW MISSILE ACTIVITY. LAUNCH SITES 1, 2, 3, 4, 5, 6, 7, 12, AND 15 AND THE COMPLEX SUPPORT FACILITY CAN BE IDENTIFIED ONLY. LAUNCH SITES 9, 10, 11, 14, AND 16 AND THE TRANSFER POINT ARE CLOUD COVERED.

[REDACTED]

SHADRINSK ICBM COMPLEX

UR 5608N 06340E

NO NEW MISSILE FACILITIES ARE OBSERVED ON CLEAR PHOTOGRAPHY OF FAIR INTERPRETABILITY WHICH COMPLETELY COVERS THE 50-NM SEARCH AREA AND ALL COMPONENTS OF THE COMPLEX.

[REDACTED]

TEYKOVO ICBM COMPLEX

UR 5652N 04034E

HEAVY CLOUDS COVER THE LAUNCH COMPLEX AND MOST OF THE 50-NM SEARCH AREA. INTERPRETABILITY IN CLOUD-FREE

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[Redacted]

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PORTIONS IS TOO POOR FOR IDENTIFICATION OF MISSILE ACTIVITY.

[Redacted]

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TYUMEN ICBM COMPLEX

UR 5652N 06551E

THE LAUNCH COMPLEX IS COVERED BY ONE PASS OF CLEAR PHOTOGRAPHY WITH FAIR INTERPRETABILITY. GROUND SNOW COVER FURTHER HINDERS ANALYSIS. BOTH LAUNCH SITES, THE TRANSFER POINT, AND THE COMPLEX SUPPORT FACILITY ARE OBSERVED. NO NEW MISSILE FACILITIES ARE OBSERVED WITHIN THE 50-NM SEARCH AREA.

[Redacted]

[Redacted]

OLOVYANNAYA ICBM COMPLEX

UR 5049N 11550E

THE COMPLEX AND SEARCH AREA ARE COVERED BY ONE PASS OF STEREO PHOTOGRAPHY OF POOR INTERPRETABILITY. SIX TYPE IIIID MISSILE SITES IN AN UNDETERMINED STAGE OF CONSTRUCTION ARE NEWLY IDENTIFIED. POSSIBLE SITE 81I IS LOCATED AT 50-58N 116-20E, POSSIBLE SITE 82I IS AT 50-56N 116-17E, PROBABLE SITE 83I IS AT 50-55N 116-21E, PROBABLE SITE 84I IS AT 51-01N 116-16E, CONFIRMED SITE 85I IS AT 51-03N 116-22E, AND CONFIRMED SITE 86I IS AT 50-58N 116-26E. ALL SITES CAN BE NEGATED ON MISSION

[Redacted] AND WERE FIRST SEEN ON [Redacted]
[Redacted] NO OTHER NEW MISSILE FACILITIES OBSERVED.

25X1

[Redacted]

25X1

ZHANGIZ-TOBE ICBM COMPLEX

UR 4912N 08109E

[Redacted]

THE WESTERN HALF OF THE SEARCH AREA IS COVERED BY 60 PERCENT CLOUD-FREE PHOTOGRAPHY. NO NEW MISSILE FACILITIES OBSERVED. OF THE 21 SITES AT THIS COMPLEX,

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ONLY LAUNCH SITES 2,3,7,8,9, AND 10 ARE COVERED BY PHOTOGRAPHY.

[REDACTED]

DOMBAROVSKIY ICBM COMPLEX

UR 5101N 05950E

THE COMPLEX AND THE ENTIRE 50-NM SEARCH AREA ARE COVERED BY 2 PASSES. A SEARCH FOR NEW MISSILE FACILITIES IS HAMPERED BY HEAVY CLOUDS. OF THE KNOWN 24 LAUNCH SITES, 14 ARE OBSERVED AT LEAST ONCE AND 13 OF THESE CAN BE IDENTIFIED ONLY. THE COMPLEX SUPPORT FACILITY AND THE TRANSFER POINT ARE BOTH IDENTIFIED ONLY. CONSTRUCTION CONTINUES ON A NEW ROAD BETWEEN DOMBAROVSKIY AND THE COMPLEX SUPPORT FACILITY. NO NEW MISSILE ACTIVITY IS OBSERVED IN THE CLOUD-FREE PORTIONS OF THE SEARCH AREA.

[REDACTED]

KARTALY ICBM COMPLEX

UR 5302N 06034E

THE EASTERN 60 PERCENT OF THE SEARCH AREA IS COVERED. THE COVERAGE INCLUDES ALL KNOWN SITES.

TWO TYPE IIIC SITES ARE NEWLY IDENTIFIED. SITE 29D IS AT 52-36N 060-36E, 25 NM SOUTH OF THE TRANSFER POINT. IT CAN BE NEGATED ON [REDACTED] THE SITE IS IN THE MID-STAGE OF CONSTRUCTION. SITE 30D IS AT 52-33N 060-41E, 29 NM SSE OF THE TRANSFER POINT. IT CAN BE NEGATED ON [REDACTED] THE SITE IS IN AN EARLY STAGE OF CONSTRUCTION.

NO OTHER NEW MISSILE FACILITIES OBSERVED.

[REDACTED]

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SARY-SHAGAN ANTIMISSILE TEST CENTER

UR 4602N 07334E [Redacted]

THE ENTIRE TEST CENTER IS COVERED BY GENERALLY CLEAR PHOTOGRAPHY WITH LIGHT SNOW CONDITIONS, ALTHOUGH PORTIONS ALONG LAKE BALKHASH ARE CLOUD COVERED. NO NEW MISSILE FACILITIES OBSERVED.

[Redacted]

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E [Redacted]

THE SHUANG-CHENG-TZU MISSILE TEST CENTER IS COVERED ON CLEAR, OBLIQUE PHOTOGRAPHY. NO NEW MISSILE FACILITIES ARE OBSERVED IN THE APPROXIMATELY 60 PERCENT OF THE 50-NM SEARCH AREA COVERED BY PHOTOGRAPHY.

CONSTRUCTION CONTINUES AT LAUNCH COMPLEX B. ON PASS [Redacted] THE 195-FT HIGH GANTRY HAS BEEN MOVED FORWARD FROM ITS PREVIOUS LOCATION SINCE THE LAST COVERAGE OF [Redacted] THE TOP OF THE FLAME DEFLECTOR IS NOW UNCOVERED AND EARTH HAS APPARENTLY BEEN BACKFILLED AGAINST THE SIDEWALLS OF THE DEFLECTOR. ADDITIONAL CONCRETE HAS BEEN POURED ON THE PAD APRON AND MORE CONSTRUCTION SCARRING IS VISIBLE IN THE AREA BETWEEN THE LAUNCH PAD AND THE SECOND RAIL SPUR. ON [Redacted] THE GANTRY HAS BEEN MOVED BACK TO ITS FORMER LOCATION AND ADDITIONAL ACTIVITY/EQUIPMENT IS OBSERVED ON THE FORWARD PORTION OF THE CONCRETE PAD.

CONSTRUCTION ALSO CONTINUES ON THE RAIL LINE HEADING NORTH FROM THE TEST CENTER. THE ROADBED NOW EXTENDS APPROXIMATELY 25 NM NORTH OF LAUNCH COMPLEX C.

AT THE SAM LAUNCH COMPLEX, A NEW SAM LAUNCH SITE, DESIGNATED D, IS UNDER CONSTRUCTION BETWEEN LAUNCH SITES A AND B. THE SITE IS ORIENTED ON THE SAME AZIMUTH AS SITES A AND B. ALTHOUGH THE SITE DOES NOT APPEAR TO BE IDENTICAL TO THE OTHER 2 SITES, IT DOES HAVE A SIMILAR CONFIGURATION. THE OUTER RING ROAD IS NEARLY COMPLETE AS WELL AS ONE INNER RING ROAD. NO LAUNCH POSITIONS OR SECURITY FENCE ARE DISCERNIBLE. AT LEAST ONE UNIDENTIFIED PIECE OF EQUIPMENT IS OBSERVED IN THE CENTRAL GUIDANCE AREA. A CABLE LINE EXTENDS FROM THE CENTRAL GUIDANCE AREA OF THE NEW SITE TO THE FIRE CONTROL BUILDINGS AT LAUNCH SITE A AND LAUNCH SITE B. THE NEW SITE CAN BE NEGATED ON [Redacted]

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[REDACTED] FIRST EVIDENCE OF CONSTRUCTION WAS OBSERVED ON THE INDEX CAMERA OF [REDACTED] IN THE HOUSING AND SUPPORT AREA, A TOTAL OF 25 BUILDINGS HAS BEEN CONSTRUCTED SINCE [REDACTED]

25X1
25X1

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25X1

[REDACTED] NO CHANGE IS OBSERVED BETWEEN PASS [REDACTED] [REDACTED] AT THE NEW LAUNCH SITE, IN THE HOUSING AND SUPPORT AREA, OR AT LAUNCH SITE B. AT LAUNCH SITE A, NO CHANGE IS OBSERVED EXCEPT THAT 4 VEHICLES/PIECES OF EQUIPMENT ARE PRESENT IN THE HOLD REVETMENT. NO VEHICLES ARE OBSERVED ON THE CONCRETE APRON.

ADDITIONAL CONSTRUCTION ACTIVITY IS OBSERVED IN THE UNIDENTIFIED AREA APPROXIMATELY 3 NM NORTH OF THE MAIN SUPPORT BASE. AT LEAST 20 STRUCTURES HAVE BEEN COMPLETED AND AN OPEN DITCH FOR A PROBABLE WATER LINE EXTENDS FROM A PROBABLE PUMPING STATION TO THE RAIL TERMINUS.

A NEW FACILITY IS ALSO UNDER CONSTRUCTION AT THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA. IT PRESENTLY CONSISTS OF A HEATING PLANT AND 3 SMALL STRUCTURES.

CONSTRUCTION SUPPORT CAMPS ARE OBSERVED IN SEVERAL LOCATIONS BETWEEN THE MAIN SUPPORT BASE AND THE SAM LAUNCH COMPLEX.

(SEE ATTACHMENT)

25X1

[REDACTED]

25X1

HA NOI SAM SEARCH

VN 2102N 10551E

THE SEARCH AREA IS 99 PERCENT CLOUD COVERED. NO NEW SAM INSTALLATIONS IDENTIFIED.

25X1

[REDACTED]

NAN-YANG SUSPECT MISSILE ACTIVITY

CH 3248N 11214E

THE SEARCH AREA IS 80 PERCENT CLOUD COVERED. NO MISSILE-ASSOCIATED ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

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CHIH-CHIN-HSIA SAM SEARCH AREA CH 4010N 09726E

THE 50-NM SEARCH AREA IS CLOUD COVERED EXCEPT FOR APPROXIMATELY 5 PERCENT OF THE NORTHERN PART. NO SAM ACTIVITY OBSERVED.

[Redacted]

HSING-LUNG-CHUANG SAM SEARCH AREA CH 3655N 10051E

THE WESTERN 75 PERCENT OF THE 50-NM SEARCH AREA IS COVERED BY CLOUD-FREE PHOTOGRAPHY. NO SAM INSTALLATIONS ARE OBSERVED.

[Redacted]

LAN-CHOU SAM SEARCH AREA CH 3609N 10330E

NINETY PERCENT OF THE 50-NM SEARCH AREA IS COVERED. APPROXIMATELY 35 TO 40 PERCENT IS CLOUD COVERED. NO NEW SAM SITES/ACTIVITY OBSERVED. SAM SITE B29-2 CAN BE IDENTIFIED ONLY. SAM SITE B03-2 APPEARS PROBABLY OCCUPIED.

[Redacted]

TAI-YUAN SAM SEARCH AREA CH 3759N 11232E

THE EASTERN 50 PERCENT OF THE 50-NM SEARCH AREA IS COVERED BY CLOUD-FREE PHOTOGRAPHY OF FAIR INTERPRETABILITY. NO SAM OR OTHER MISSILE ACTIVITY OBSERVED.

[Redacted]

SHEN-YANG SAM SITE B05-2 CH 4159N 12344E

THE SITE IS OF IRREGULAR CONFIGURATION AND CONSISTS OF 6 OCCUPIED, PROBABLY REVETTED LAUNCH POSITIONS, 5 OF WHICH ARE ALSO OCCUPIED BY PROBABLE CANVAS-COVERED MISSILE TRANSPORTERS, AND A PROBABLY REVETTED, OCCUPIED CENTRAL GUIDANCE AREA. AN ON-SITE SUPPORT AREA 500 FT NNW OF THE LAUNCH AREA CONTAINS 30 TENTS/BUILDINGS AND NUMEROUS PIECES OF UNIDENTIFIED EQUIPMENT.

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TOP SECRET

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**Air
Facilities**

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AIR FACILITIES

DOLON AIRFIELD

UR 5032N 07912E

OB -- 40 BEAR, 3 BISON, 1 BADGER, 1 POSSIBLE BADGER, 3 CAT/CUB, AND 2 LIGHT STRAIGHT-WING.

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

[REDACTED]

TAN-TUNG AIRFIELD

CH 4001N 12417E

OB -- AT LEAST 31 SMALL PROBABLE SWEEP-WING AND AT LEAST 5 SMALL POSSIBLE STRAIGHT-WING.

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

[REDACTED]

HSI-NING AIRFIELD

CH 3634N 10151E

OB -- NONE OBSERVED.

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

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.

[REDACTED]

LIU-HO AIRFIELD

CH 4216N 12542E

OB -- [REDACTED] - 1 PROBABLE LIGHT STRAIGHT-WING.

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

[REDACTED]

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SHEN-YANG/PEI-LING AIRFIELD

CH 4152N 12326E

OB -- 2 POSSIBLE DELTA-WING AND AT LEAST 50 SMALL SWEPT-WING.

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

[REDACTED]

SHUANG-CHENG-TZU AIRFIELD

CH 4021N 09947E

OB -- [REDACTED] - 2 LIGHT STRAIGHT-WING, 10 SMALL SWEPT/DELTA-WING, AND 5 SMALL PROBABLE AIRCRAFT.

[REDACTED] -- 4 LIGHT STRAIGHT-WING AND 19 SMALL SWEPT/DELTA-WING.

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

[REDACTED]

TAN-TUNG/TA-TUNG-KOU AIRFIELD

CH 3956N 12408E

OB -- 1 MEDIUM STRAIGHT-WING AND 10 SMALL PROBABLE SWEPT-WING.

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

[REDACTED]

AN-SHAN AIRFIELD

CH 4106N 12251E

OB -- AT LEAST 51 SMALL PROBABLE SWEPT-WING.

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

[REDACTED]

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HO-TIEN AIRFIELD

CH 3703N 07951E

OB -- 1 LIGHT STRAIGHT-WING.

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

[REDACTED]

KA-ERH-MU AIRFIELD

CH 3648N 09520E

OB -- 3 POSSIBLE SMALL AIRCRAFT.

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

[REDACTED]

WU-WEI AIRFIELD

CH 3759N 10234E

OB -- 35 SMALL SWEEP/DELTA-WING AND 1 LIGHT
STRAIGHT-WING.

A PROBABLE SECURED UNDERGROUND PDL FACILITY IS UNDER
CONSTRUCTION JUST EAST OF THE PARKING APRON.

[REDACTED]

HA-MI AIRFIELD

CH 4251N 09338E

OB -- NONE DISCERNIBLE.

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

[REDACTED]

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[REDACTED]

**Nuclear
Energy**

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KOSTROMA ICBM COMPLEX	UR 5746N 04101E	1
SHADRINSK ICBM COMPLEX	UR 5608N 06340E	1
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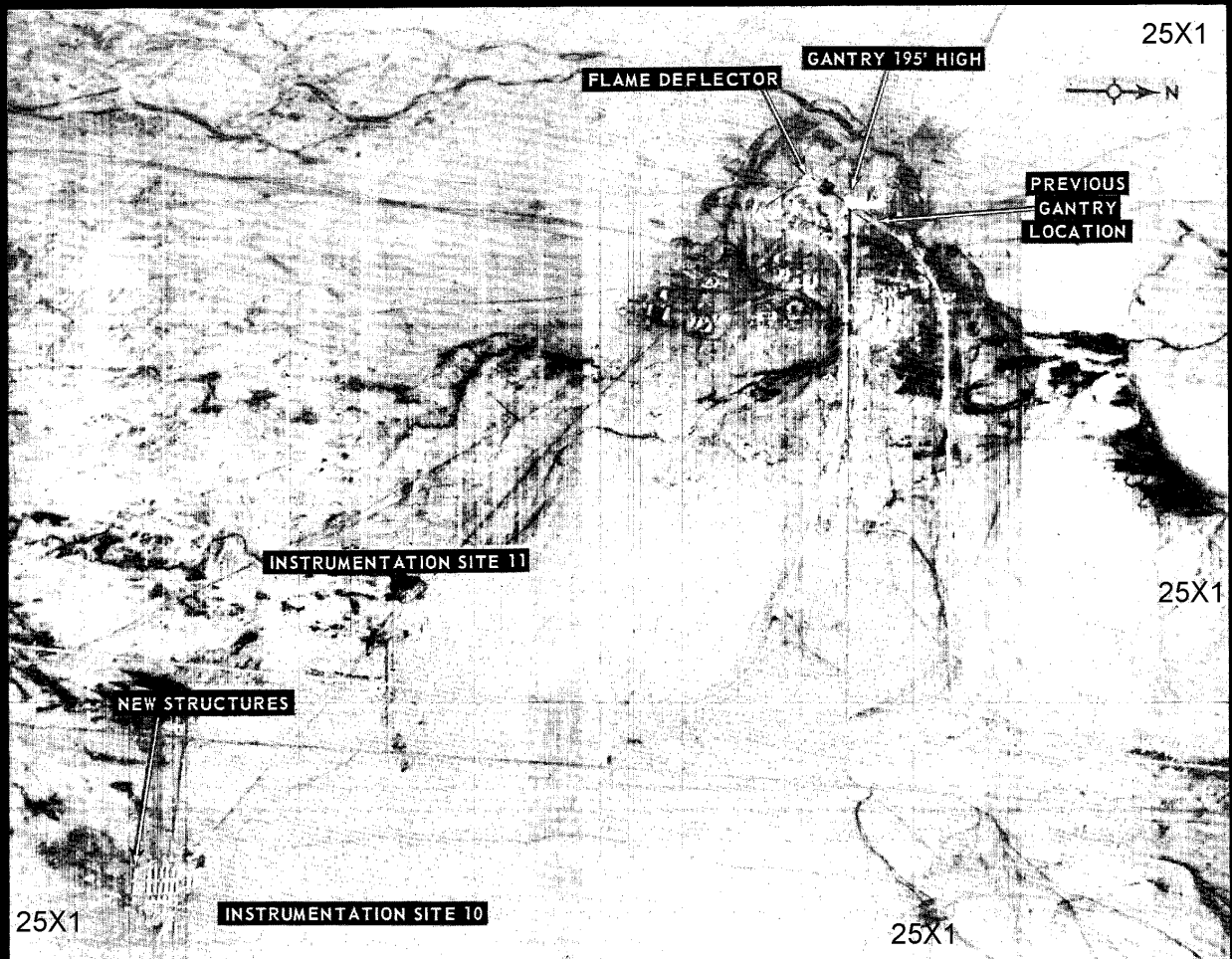
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Attachments

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NPIC L-2931 (11/66)

LAUNCH COMPLEX B, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

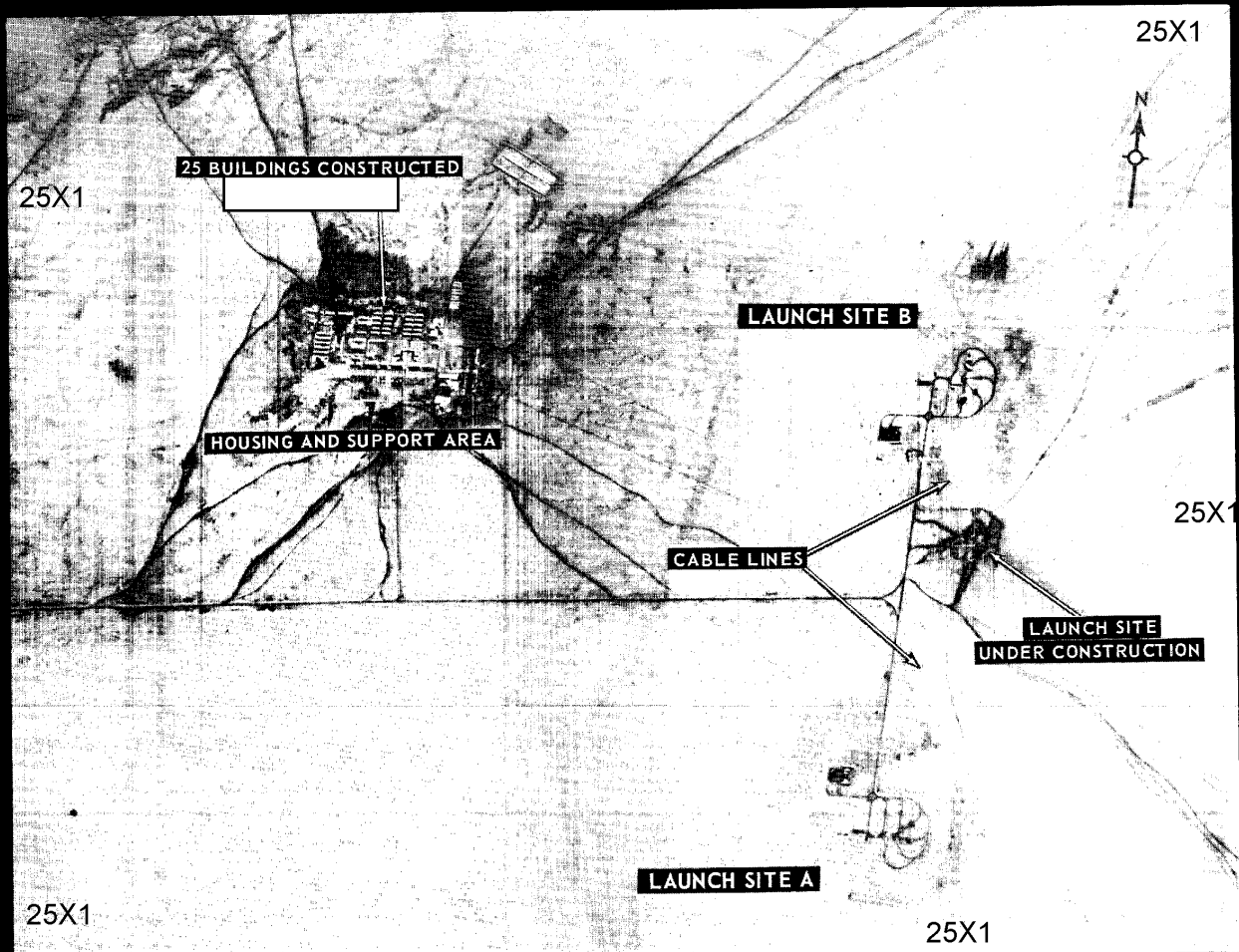
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NPIC L-2332 (11/66)

SAM LAUNCH COMPLEX, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

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ATTACHMENT 2

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