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NPIC/R-864/64
September 1964



PHOTOGRAPHIC INTERPRETATION REPORT

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75 Pages

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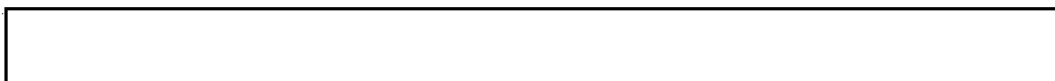
OAK - PART II
MISSION 1010-1
15-18 SEPTEMBER 1964



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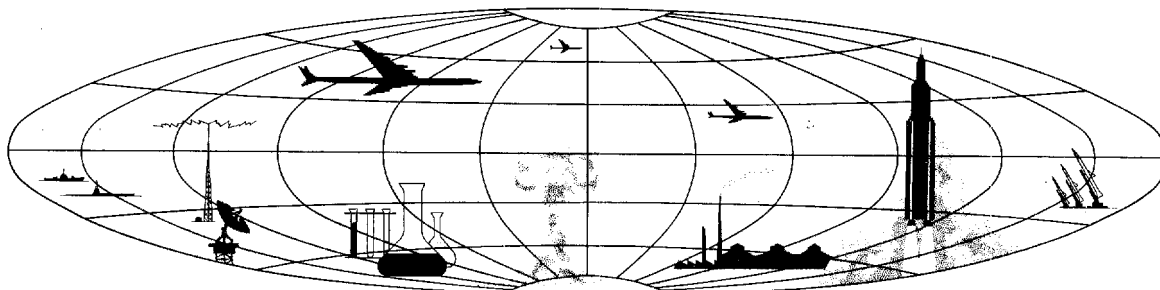


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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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GROUP 1
Excluded from automatic
downgrading and declassification

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OAK-PART II

MISSION 1010-1

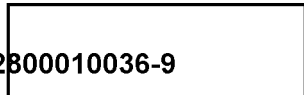
PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1010-1 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 23 SEPTEMBER 1964 TO 1630 HOURS 24 SEPTEMBER 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1010-1 ARE LISTED IN THE INDEX OF THIS REPORT.

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. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1010-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.



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Highlights

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HIGHLIGHTS

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1. TYURATAM MISSILE TEST CENTER [redacted]
AT LAUNCH COMPLEX G, A PROBABLE MISSILE COMPONENT IS ADJACENT TO
PAD G4. THE OVERALL LENGTH IS [redacted] WITH THE FIRST [redacted]
[redacted] WIDE AND THE REMAINING [redacted] WIDE EXCEPT FOR THE
TAPERED END.

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25X1D

2. VORONEZH ROCKET TEST FACILITY [redacted]
AREA OF PREVIOUSLY REPORTED CONSTRUCTION ACTIVITY IS NOW
IDENTIFIED AS A VERTICAL TEST STAND IN EARLY STAGE OF CONSTRUCTION.

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3. KALININGRAD SUSPECT NAVAL MISSILE STORAGE [redacted]
[redacted]

25X1A

4. MRBM LAUNCH SITES (MISSILE BONUS)
A TOTAL OF EIGHT FIXED FIELD MRBM LAUNCH SITES ARE NEWLY IDENTIFIED.
SINGLE SITES ARE LOCATED NEAR IVANOVO, LIPNIKI, LUTSK, MARINA
GORKA, OSTROG, AND ZHMERINKA. TWO SITES ARE NEAR DERAZHNYA.

[Large redacted area]

25X2

25X1

25X1

[redacted]

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7. BALAKLAVA SUBMARINE BASE [redacted] NEWLY IDENTIFIED PROBABLE SUBMARINE PEN LOCATED IN NW SECTOR OF BAY. CONSTRUCTION BEGAN BETWEEN [redacted]

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8. KORFOVSKIY PROBABLE SENSITIVE OPS CMLX (OTHER ACTIVITY BONUS) NEWLY IDENTIFIED PROBABLE SENSITIVE OPERATIONS COMPLEX HAS SIMILARITIES TO OTHERS IN THE USSR. IT WAS NOT EVIDENT IN [redacted]

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9. SUBMARINE COUNT
A TOTAL OF 27 SUBMARINES WERE OBSERVED ON MISSION 1010-1. TOTALS INCLUDE 5 POSSIBLE W/R-CLASS AT BALAKLAVA, ONE F/Z-CLASS, 5 W/R-CLASS, AND 5 SHCH-IV-CLASS AT LIEPAYA, ONE SSB-Z AND 9 UNIDENTIFIED SS AT SEVASTOPOL, AND ONE MEDIUM SS AT NIKOLAYEV SHIPYARD.

STATUS OF COMOR TARGET READOUT

A TOTAL OF 122 COMOR TARGETS WAS OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN OAK PARTS I AND II AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES.

- TABLE 1 -- SOVIET ICBM DEPLOYMENT
- TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
- TABLE 3 -- SAM AND AMM DEPLOYMENT
- TABLE 4 -- NUCLEAR ENERGY ACTIVITY
- TABLE 5 -- AIRCRAFT ACTIVITY
- TABLE 6 -- SUBMARINE ACTIVITY
- TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

[redacted]

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Table 2. 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	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 59 fixed field-type sites with total of 219 clearings and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

	Country													Totals		
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba		India	
SA-0	13														13	
SA-1	56														56	
SA-2	923	1	18	22	47	16	30	15	3	11	2	4	13*	24**	1	1130
SA-3	95					1†										96
SAM support facilities	183	1	3	5	4	3	6	3	1		1		3	6		219
Probable AMM complexes	3															3
AMM/SAM complexes	2***															2

*Does not include 4 alternate sites ***Includes 1 suspect complex.
**Does not include 22 abandoned sites. † Possible

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Table 5. AIRCRAFT ACTIVITY

Airfield	Last Coverage	Previous Significant Aircraft Count											Observed this Mission															
		BISON	BEAR	BADGER	BLUNDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIREBAY	BREWER	TOTALS	BISON	BEAR	BADGER	BLUNDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISHBED	FISHPOT	FIREBAY	BREWER
Akhobinsk/Vladimirovka		2	36											31														
Bofnya			57						24					57														
Anadyr/Loninka																												
Antsovo Gorodishche																												
Arkhangel'sk/Khoim*																												
Artem North				30										30														
Baranovichy*				22	7									30														
Borzya NW				9	14									30			22	8										30
Belaya Tserkov		2	33	69										74														
Bobruysk*				30										50														
Bryani*				11										11														
Bykhov*				14	39									53					56									
Chopolevka*	24	30												86		17												56
Dolon*				4 B/B										86		17												34
Donoslav Lake				38 B/B										39	4 B/B	37	14											42
Engels*									144					14														
Gomel Prihytki	34		2											36														
Kalinin*			13	31										52		16	36											52
Kalininograd/Proveron			8	25										3														
Komsomolsk Ptl 126			8	21										35		9	37											46
Kazan A/C Ptl 22			7	21						20				20														
Mol Yavr			6	1										9														
Melitopol			9	1										9														
Minsk/Machulishche*			8										2	10														
Mirgorod									(NO AIRCRAFT)																			
Moscow/Ramenskoye			33											33			33											33
Mozdok*			9 B/B	26**	7	1								42	7	1	23**	7	1		34							42
Nozhin									(NO AIRCRAFT)																			
Nikolayev/Kulbakina			38											28														28
Oktyabrskoye			40											40														40
Olonegorsk																												
Orsha Southwest*			10											10														
Ostrov Gorokhovka			42											42			35											35
Petropavlovsk/Yelizovo			80											80														80
Poltava*			53											53														
Priluki*			29											29														
Romanovka West			20						4					24			27											27
Ryazan/Dyagilovo			8 B/B	16										40	3 B/B	32												44
Saki																	22	5										27
Sarabuz			18											18														18
Sovoromorsk			2											2														2
Sialtiai*	5	11	16			5			10	15				54	18 B/B													54
Soltsy*			21						2					23														23
Spassk Dalniy East			31											31														31
Stroy*			29											29														29
Tartu			36											36														36
Ukraina*			42											42														42
Ussuriysk Vozdvizhonka*				26										68														68
Zhitonit/Skomorokhi*				22					10					38			18											38
TOTALS	1000-1		84	53	917	100	1	5	14	30	19	2	1290	7	72	347	83	1		3							518	
			54 B/B											29 B/B														

* POSSIBLE † PROBABLE **BADGER/CAMEL

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Table 6. Submarine Activity.

Base	Last Effective Coverage	Previous Submarine Count										Observed This Mission										TOTALS							
		SSBN, H-class	SSBN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, K-class	SS, K-class	SS, F-class	SS, Z-class	SS, R-class	SS, Q-class	SS, H-class	SS, Unidentified (SHCH IV, L, R, M, V, S, T, etc.)	TOTALS	SSBN, H-class	SSBN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-class		SS, K-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Unidentified (SHCH IV, L, R, M, V, S, T, etc.)	TOTALS
Balaklava																													
Dunay		1				Not co						3 W/R	4 2†	9														5† W/R	5
Gorkiy														1															CC
Khronstadt														2															0
Komsomolsk													6 2†	11															CC
Leningrad														1															0
Liepaya													5	5															CC
Litsa Bay													1† 1†	2							1† F/Z					5† W/R	5† SHCH-IV	11	
Magadan													4	4															CC
Olenya Guba													3†	3															NC
Pechenga														3															CC
Petropavlovsk/ Kamchatskiy		1 1†	3			1	11 F/Z					2 W/R	1 4†	7															CC
Petrovka		1											3 W/R	2	22														NC
Polyarnyy													3	4															CC
Riga													10	10															CC
Rosta													1†	1															CC
Sayda Guba													4† 1†	6	20														CC
Sevastopol													6	6															CC
Severodvinsk													7 W/R	3	12						1						9		10
Severomorsk																													ID
Sovetskaya Gavan																													CC
Strelok Strait													2 W/R 1† W/R		1†	4													NC
Urs Guba																													CC
Vladimir																													CC
Vladivostok																													0
Yokanga																													CC
Paldiski																													NC
TOTALS		8	11	2	2	2	18 F/Z	2	24	W/R	30	92	7	207						1						1 F/Z	10 W/R	10 SHCH-IV	27
														90															1

*E-1 Class † POSSIBLE ‡ PROBABLE NC NOT COVERED CC CLOUD COVERED ID IDENTIFICATION ONLY Nikolayev Shipyard - 1† MED SS: 1

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Missiles

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MISSILES

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VERKHNYAYA SALDA ICBM COMPLEX UR 5802N 06023E

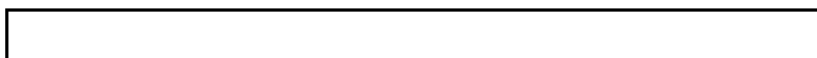
THE COMPLEX IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX SUPPORT FACILITY OR LAUNCH AREAS B (SITE 1), C (SITE 3), D (SITE 4), G (SITE 8), OR I (SITE 10) SINCE MISSION NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH AREAS A (SITE 2), E (SITE 5), F (SITE 7), AND H (SITE 9) SINCE MISSION THE AUXILIARY SUPPORT FACILITY ARE CLOUD COVERED. NO NEW CONSTRUCTION ACTIVITY OBSERVED.

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25X1D
25X9

NO AMM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE 50-NM RADIUS SEARCH AREA.

25X1D



25X1A

TYURATAM MISSILE TEST CENTER UR 4550N 06318E

THE CENTER IS COVERED BY CLOUD-FREE FAIR QUALITY PHOTOGRAPHY EXCEPT FOR LAUNCH COMPLEX D (SITES 4 AND 9) OF THE AREA EAST OF LAUNCH COMPLEX H (SITE 8). INTERPRETATION OF THE EASTERN HALF OF THE RANGE WAS HINDERED BY SMALL SCALE AND OBLIQUITY.

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LAUNCH COMPLEX A (SITES 1 AND 15) -- NO SIGNIFICANT CHANGE IN LAUNCH AREAS A1, A2 (SITE 1) AND SUPPORT FACILITIES SINCE MISSION THE EXCAVATION AT A3 (SITE 15) IS STILL OPEN AND THE SILO HAS NOT YET BEEN BROUGHT UP TO GROUND LEVEL. A3 IS IN A MID STAGE OF CONSTRUCTION.

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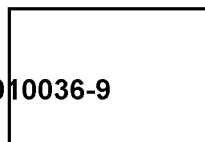
LAUNCH COMPLEX B (SITES 2, 16, AND 17) -- NO SIGNIFICANT CHANGE IN LAUNCH AREAS B1 (SITE 2), B3 (SITE 17) AND SUPPORT FACILITIES SINCE MISSION THE EXCAVATION AT B2 (SITE 16) HAS NOT BEEN BACKFILLED BUT THE SILO APPEARS TO BE NEARLY UP TO GROUND LEVEL. A STRAIGHT-LINE EARTH SCAR EXTENDS SOUTHWESTWARD FROM B2 TO LAUNCH COMPLEX I (SITE 14). THIS SCAR WAS PRESENT BUT NOT REPORTED IN

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LAUNCH AREA B2 IS IN A MID STAGE OF CONSTRUCTION.

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LAUNCH COMPLEX C (SITE 3) -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

LAUNCH COMPLEX D (SITES 4 AND 9) -- NOT COVERED.

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LAUNCH COMPLEX E (SITE 6) -- AN UNIDENTIFIED LINEAR OBJECT APPROXIMATELY 85 FT IN LENGTH IS APPARENTLY ON THE RAIL IN FRONT OF THE READY BUILDING ASSOCIATED WITH LAUNCH PAD E1. A U-SHAPED LOOP ROAD HAS BEEN CONSTRUCTED ON THE NORTH SIDE OF THE MAIN ROAD SERVING THE WEST SIDE OF THE RANGE AND JUST WEST OF THE ACCESS ROAD TO COMPLEX E. A SMALL UNIDENTIFIED STRUCTURE AND A SHALLOW EXCAVATION WERE AT THE CLOSED END OF THE U IN [REDACTED]. THESE CANNOT BE IDENTIFIED IN THIS MISSION. NO OTHER CHANGE IN FACILITIES IN COMPLEX E SINCE [REDACTED]

25X1D

25X1D

LAUNCH COMPLEX F (SITE 5) -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

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LAUNCH COMPLEX G (SITES 7, 11, 12, 18, AND 19). LAUNCH AREA G1-G2 (SITE 7) -- THE PREVIOUSLY REPORTED DITCHING TO THE REAR OF THE PADS HAS BEEN BACKFILLED. NO OTHER APPARENT CHANGE SINCE MISSION [REDACTED]

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LAUNCH AREA G3-G4 (SITE 11) -- A HORIZONTAL, LINEAR OBJECT IS ADJACENT TO PAD G4. IT APPEARS TO BE ON THE RAIL SERVING THE PAD. THE OBJECT APPEARS TO BE WIDER ON THE END CLOSEST TO THE PAD, AND THE OPPOSITE END APPEARS TO BE TAPERED AND SLIGHTLY ELEVATED. THE OVERALL LENGTH OF THE OBJECT IS [REDACTED]. THE WIDER PORTION OF THE OBJECT IS [REDACTED] FT IN LENGTH AND [REDACTED] FT WIDE. THE REMAINING [REDACTED] FT IS [REDACTED] FT WIDE EXCEPT FOR THE TAPERED END. ALTHOUGH THE PHOTOGRAPHIC LIMITATIONS PRECLUDE DETAILS, THE OBJECT IS EVALUATED AS A PROBABLE MISSILE COMPONENT. THE GANTRY TO THE REAR OF PAD G3 APPEARS TO BE COMPLETE. THE LAUNCH AREA IS IN A LATE STAGE OF CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D
25X1D
25X1D

25X1D
25X1D

25X1D

LAUNCH AREA G5-G6 (SITE 12) -- A MISSILE GANTRY IS UNDER CONSTRUCTION AT A POINT TO THE

25X1D

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[Redacted]

REAR OF AND CENTERED BETWEEN THE PADS. THE PREVIOUSLY REPORTED PROBABLE GANTRY TRACKS CONVERGE AT THIS POINT ALSO, INDICATING THAT BOTH PADS WILL BE SERVED BY THE SAME GANTRY. THE LAUNCH AREA IN THE VICINITY OF THE PADS HAS A CLEAN COMPLETED APPEARANCE. THE LAUNCH AREA IS IN A LATE STAGE OF CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE IN FACILITIES SINCE [Redacted]

25X1D

25X1D

LAUNCH AREA G7 (SITE 18) -- CONSTRUCTION CONTINUES ON THE SILO. A SMALL BUILDING IN AN EXCAVATION HAS BEEN CONSTRUCTED JUST TO THE SOUTH OF THE SILO. AN L-SHAPED ELECTRONIC DEVICE WHOSE LEGS ARE APPROXIMATELY 1,250 FT IN LENGTH IS UNDER CONSTRUCTION, AND THE INTERSECTION OF THE LEGS IS WEST OF, AND ADJACENT TO, THE SMALL BUILDING IN THE EXCAVATION. THE LAUNCH AREA IS IN A MID-STAGE OF CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE SINCE [Redacted]

25X1D

LAUNCH AREA G8-G9 (SITE 19) -- THE PREVIOUSLY REPORTED POSSIBLE SILOS ARE CONFIRMED AS SILOS. THE SILOS AND THEIR ASSOCIATED BUILDINGS HAVE BEEN BACKFILLED. A SMALL EARTH MOUND IS LOCATED ON THE OPPOSITE SIDE OF THE LOOP ROAD AT EACH SILO. THE AREA IS DOUBLE SECURITY FENCED. THE LAUNCH AREA IS IN A LATE STAGE OF CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE SINCE [Redacted]

25X1D

25X1D

COMPLEX SUPPORT FACILITY -- THE SECOND MISSILE ASSEMBLY/CHECKOUT BUILDING HAS BEEN COMPLETED. NO OTHER SIGNIFICANT CHANGE SINCE [Redacted]

25X1D

25X1D

25X9

[Redacted]

25X1D

[Redacted]

25X1D

REVETTED STORAGE AREA -- NO APPARENT CHANGE SINCE [Redacted]

LAUNCH COMPLEX H (SITE 8) -- NO APPARENT CHANGE

25X1

[Redacted]

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IN FACILITIES SINCE [Redacted]

LAUNCH COMPLEX I (SITE 14) -- CONSTRUCTION CONTINUES ON THE SILO, BUT IT DOES NOT APPEAR TO BE UP TO GROUND LEVEL. A BUILDING, HAS BEEN CONSTRUCTED IN AN EXCAVATION ADJACENT TO THE INTERSECTION OF THE LEGS OF THE ELECTRONIC DEVICE. THIS APPEARS TO BE SIMILAR IF NOT IDENTICAL TO THE ONE AT LAUNCH AREA G7, TTMC. NO OTHER CHANGE SINCE [Redacted]

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LAUNCH COMPLEX J -- NEITHER THE RAIL NOR THE MAIN ROAD HAS BEEN EXTENDED SINCE [Redacted] HOWEVER, SOME GROUND SCARRING AND A SMALL, POSSIBLY SECURED, RECTANGULAR CONFIGURATION IS NOW LOCATED APPROXIMATELY 3,000 FT NORTHEAST OF THE END OF THE ROAD. CONSTRUCTION CONTINUES ON THE BUILDINGS EAST OF THE MAIN RAIL SPUR. THE PREVIOUSLY REPORTED VERY LARGE BUILDING OR BUILDINGS ARE BEING ROOFED. NO OTHER SIGNIFICANT CHANGE SINCE [Redacted]

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25X1D

25X1D

LAUNCH COMPLEX K (SITE 13) -- NO SIGNIFICANT CHANGE SINCE [Redacted] COMPLEX IN MID STAGE OF CONSTRUCTION.

25X9

[Redacted]

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [Redacted]

25X1D

- LAUNCH COMPLEX A
- LAUNCH COMPLEX B
- LAUNCH AREA B3 --
- LAUNCH COMPLEX C
- LAUNCH COMPLEX D
- LAUNCH COMPLEX E
- LAUNCH COMPLEX F
- LAUNCH COMPLEX G
- LAUNCH AREA G1-G2
- LAUNCH AREA G3-G4
- LAUNCH AREA G5-G6
- LAUNCH AREA G7 --
- LAUNCH AREA G8-G9

[Redacted]

[Redacted]

[Redacted]

25X1

25X1

25X1

[Redacted]

[Redacted]

25X9



25X1A

[Redacted]

OMSK ICBM COMPLEX UR 5503N 07330E

COMPLEX PARTIALLY COVERED BY POOR QUALITY STEREO PHOTOGRAPHY.

NO SIGNIFICANT CHANGE OBSERVED IN THE COMPLEX SUPPORT FACILITY SINCE MISSION [Redacted] THE OTHER COMPONENTS OF THE COMPLEX ARE NOT COVERED. NO NEW CONSTRUCTION OBSERVED.

25X1D

NO AMM ACTIVITY IN THE CLOUD-FREE PORTIONS OF THE WESTERN HALF OF THE 50 NM-RADIUS SEARCH AREA WHICH WAS 90 PERCENT CLOUD COVERED. THE EASTERN HALF WAS NOT COVERED.

25X1D

[Redacted]

25X1A

[Redacted]

VELSK AREA RAIL LINE UR 6105N 04206E

NO SSM ACTIVITY IDENTIFIED WITHIN A 50-NM RADIUS OF VELSK.

25X1D

[Redacted]

25X1A

[Redacted]

KOZELSK ICBM COMPLEX UR 5357N 03548E

KOZELSK COMPLEX NOT COVERED. NO NEW SSM ACTIVITY IDENTIFIED IN EASTERN 40 PERCENT OF 50-NM SEARCH AREA. WESTERN 60 PERCENT NOT COVERED.

[Redacted]

[Redacted]

25X1
25X1

25X1

[REDACTED]

25X1D

[REDACTED]

25X1A

[REDACTED]

DOMBAROVSKIY ICBM COMPLEX UR 5102N 05949E

COMPLEX COVERED BY FAIR QUALITY STEREO PHOTOGRAPHY. LAUNCH AREAS A (SITE 4), B (SITE 3), C (SITE 2) AND D (SITE 1) ARE IDENTIFICATION ONLY.

ONE LARGE BUILDING AND A PROBABLE VEHICLE/EQUIPMENT POOL HAVE BEEN ADDED TO THE COMPLEX SUPPORT FACILITY AND 4 LARGE BARRACKS-TYPE AND 2 SMALLER BUILDINGS HAVE BEEN ADDED TO THE WESTERN EDGE OF THE UNIDENTIFIED AREA EAST OF THE COMPLEX SUPPORT FACILITY. THIS AREA IS CONNECTED TO THE COMPLEX SUPPORT FACILITY BY EXTENSIVE TRACK ACTIVITY. NO OTHER NEW CONSTRUCTION OBSERVED.

NO AMM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE EASTERN HALF OF THE 50-NM RADIUS SEARCH AREA. WESTERN-HALF NOT COVERED.

25X1D

[REDACTED]

25X1A

[REDACTED]

MAZANKA MRBM LAUNCH SITE UR 4454N 03420E

25X9

[REDACTED]

NO NEW IRBM/MRBM ACTIVITY NOTED IN SEARCH AREA. HAZE PREVENTS NEGATION OF SEARCH AREA.

25X1D

[REDACTED]

25X1A

[REDACTED]

VORU MRBM LAUNCH SITE 2 UR 5749N 02650E

NO NEW SSM ACTIVITY OBSERVED IN 25-NM SEARCH AREA. AREA CANNOT BE NEGATED DUE TO SCATTERED AND HEAVY CLOUDS.

25X1D

[REDACTED]

25X1

25X1

25X1

TOP SECRET

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25X1

25X1A

GRESK MRBM LAUNCH SITE 1 UR 5314N 02742E

NO NEW SSM ACTIVITY OBSERVED IN 25-NM SEARCH AREA. AREA IS NEGATED.

25X1D

KARA-BABAU IRBM LAUNCH SITE 2 UR 4431N 07758E

ALL SILO COVERS APPEAR CLOSED. NO OTHER CHANGES APPARENT SINCE

25X1D

25X1D

ZHITOMIR MRBM LAUNCH SITE 1 UR 5004N 02816E

A 25-NM SEARCH REVEALS NO NEW SSM ACTIVITY. SIMILAR TO THAT AT AREA 4C AT KYMTC. EIGHTY PERCENT OF THE SEARCH AREA WAS COVERED ON GOOD QUALITY, CLOUD-FREE PHOTOGRAPHY.

AREA CANNOT BE NEGATED.

25X1D

BERDICHEV MRBM LAUNCH SITE UR 5005N 02822E

A 25-NM SEARCH REVEALS NO NEW SSM ACTIVITY. SIMILAR TO AREA 4C AT KYMTC. EIGHTY PERCENT OF THE SEARCH AREA WAS COVERED ON GOOD QUALITY, CLOUD-FREE PHOTOGRAPHY. AREA CANNOT BE NEGATED.

25X1D

URECHYE MRBM LAUNCH SITE UR 5311N 02758E

NO NEW SSM ACTIVITY IN 25-NM RADIUS SEARCH AREA. AREA IS NEGATED.

25X1D

25X1

25X1

25X1

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25X1
25X1

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25X1A

[REDACTED] SMORGON IRBM LAUNCH SITE 2 UR 5426N 02618E

25X1D

NO CHANGE IN LAUNCH SITE OR SUPPORT FACILITIES SINCE MISSION [REDACTED] LAUNCH SITE AND ALL FACILITIES APPEAR COMPLETE.

[REDACTED]

25X1D

25X1A

[REDACTED] RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE UR 5104N 02807E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

[REDACTED]

25X1D

25X1A

[REDACTED] LIELELEJA MRBM LAUNCH SITE UR 5624N 02336E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

[REDACTED]

25X1D

HAZE PRECLUDES DETAILED INTERPRETATION.

[REDACTED]

25X1D

25X1A

[REDACTED] IECAVA MRBM LAUNCH SITE 3 UR 5633N 02420E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] CLOUDS AND HAZE PRECLUDE A DETAILED INTERPRETATION OF THE LAUNCH AREA. NO EVIDENCE OF ELECTRONIC FACILITIES IN CLOUD-FREE AREAS.

25X1D

[REDACTED]

25X1D

25X1A

[REDACTED] SHIRVANSKAYA MRBM LAUNCH SITE UR 4425N 03954E

NO EVIDENCE OF AN ELECTRONIC SITE OR NUCLEAR WARHEAD FACILITY.

[REDACTED]

25X1D

25X1

25X1

[REDACTED]

25X1A

SEMENOVKA IRBM LAUNCH SITE 2 UR 4753N 03057E

[REDACTED]

25X9

[REDACTED] WITHIN THE LAUNCH SITE PROPER HAS A TYPICAL CLASS B PATTERN AND IS COMPLETE. NO OTHER APPARENT CHANGES IN THE LAUNCH AREA SINCE MISSION [REDACTED]

25X9

25X1D

25X1D

[REDACTED]

25X1A

[REDACTED] KISHENTSY MRBM LAUNCH SITE UR 4900N 03013E

KISHENTSY MRBM LAUNCH AREA NOT COVERED. ONLY EASTERN HALF OF SEARCH AREA COVERED. NO NEW SSM ACTIVITY NOTED. AREA CANNOT BE NEGATED.

25X1D

[REDACTED]

25X9

25X1A

[REDACTED] KARA-BABAU IRBM LAUNCH SITE 3 UR 4431N 07743E

[REDACTED]

25X9

[REDACTED] TWO BARRACKS-TYPE BUILDINGS APPEAR TO HAVE BEEN REMOVED FROM THE SITE SUPPORT FACILITY SINCE MISSION [REDACTED] TARGET AREA IS COMPLETELY COVERED ON EXCELLENT QUALITY MONO COVERAGE. NO OTHER CHANGES TO THE AREA ARE EVIDENT SINCE MISSION [REDACTED]

25X1D

25X1D

25X1D

[REDACTED]

25X1A

[REDACTED] ACHKHOY-MARTAN MRBM LAUNCH SITE UR 4310N 04511E

25X9

[REDACTED] NO ADDITIONAL CHANGES TO SITE OR SITE FACILITIES SINCE MISSION [REDACTED] NO COMMUNICATIONS FACILITIES OBSERVED.

25X1D

25X1D

[REDACTED]

25X9

25X1

25X1

25X1

TOP SECRET

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25X1
25X1

25X1A

POSTAVY MRBM LAUNCH SITE 2 UR 5506N 02700E

LAUNCH SITE IS COMPLETE AND CONSISTS OF A MOUNDED CONTROL BUNKER SURROUNDED BY A LOOP ROAD WHICH SERVES LAUNCH SILOS. A HEAVILY SCARRED CONSTRUCTION AREA CONTAINING SEVERAL BUILDINGS IS 180 DEGREES OPPOSITE THE AZIMUTH OF THE LAUNCH SITE. A RIM BUILDING IS LOCATED ADJACENT TO THE SITE SUPPORT FACILITY. THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 15 BUILDINGS AND IS PROBABLY STILL BEING EXPANDED.

25X9

25X9

25X1D

25X1A

BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

NO APPARENT CHANGE SINCE MISSION NO ACTIVITY OBSERVED WITHIN LAUNCH AREA.

25X1D

25X1D

25X1A

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

WESTERN PORTION COVERED ON CLOUD-FREE PHOTOGRAPHY. NO APPARENT CHANGE SINCE MISSION IN THE FOLLOWING SAM ASSOCIATED FACILITIES -- R&D LAUNCH AREA, SA-1 LAUNCH AREA, SA-2 LAUNCH AREA, SA-3 LAUNCH AREA, HOUSING AND SUPPORT AREA, AND MISSILE CHECKOUT AND STORAGE AREA.

25X1D

25X9

25X9

ACTIVITY IS EVIDENT IN THE R&D, SA-2, AND SA-3 LAUNCH AREAS AND NUMEROUS VEHICLES ARE OBSERVED IN THE HOUSING AND SUPPORT AREA AND BOTH THE R&D AND SA-2 LAUNCH AREAS.

25X1D

25X1

25X1

25X1
25X1

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25X1

25X9

AT THE ELECTRONICS AREA APPROXIMATELY 7 NM SOUTH OF THE SAM LAUNCH FACILITIES ADDITIONAL EQUIPMENT ADJACENT TO THE LATTICE TOWER HAS BEEN ADDED APPROXIMATELY 1,000 FT WEST OF THE ELEVATED CIRCULAR STRUCTURE IN THE EASTERN PORTION OF THE FACILITY SINCE MISSION [REDACTED] THE ELEVATED STRUCTURE IN THE WESTERN PORTION CAN NOW BE IDENTIFIED AS A LARGE DISH ANTENNA ON A TOWER WHICH IN TURN IS MOUNTED ON A BUILDING.

25X1D

KAPUSTIN YAR AIRFIELD SHOWS NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] AT LEAST 12 STRAIGHT-WING AIRCRAFT ARE PARKED ON HARDSTANDS. NO APPARENT CHANGE SINCE MISSION [REDACTED] WAS OBSERVED IN THE TEST AND SUPPORT COMPLEX, THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA AND THE RANGEHEAD RECEIVING COMMUNICATIONS SITE. THE REMAINDER OF THE CENTER IS NOT COVERED.

25X1D

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ---

25X1D

[REDACTED]

25X1A

[REDACTED] SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

ALL FACILITIES AT THE TEST CENTER EXCEPT INSTRUMENTATION SITES 6, 7, AND 8 AND POSSIBLE INSTRUMENTATION SITES 14 AND 15 ARE COVERED ON GENERALLY GOOD TO VERY GOOD QUALITY PHOTOGRAPHY.

25X1D

ALL LAUNCH SITES AT LAUNCH COMPLEX A (SITE 2B30) ARE ACTIVE EXCEPT SITE 6. FACILITIES REMAIN ESSENTIALLY UNCHANGED SINCE MISSION [REDACTED] AT LAUNCH SITES 1, 2, 4, 5, AND 6 AND AT ELECTRONIC SITES A, B, C, AND D. THE REVETMENT WALL AT RECONSTRUCTED POSITION 5 AT LAUNCH SITE 3 APPEARS TO EXTEND ACROSS THE ACCESS ROAD. THE PREPARED AREA OF THE

25X1

25X1

25X1D

PAD APPEARS TO BE AT A LOWER LEVEL THAN THE REMAINDER OF THE POSITION AND THE ADJACENT LOOP ROAD. THE TOWERLIKE AND UNIDENTIFIED STRUCTURES REMAIN JUST EAST OF POSITION 5. CONSTRUCTION CONTINUES ON THE PAD NEAR POSITION 6 AT SITE 3 (REPORTED ON MISSION [REDACTED] SO THAT IT NOW APPEARS AS A PREPARED PAD APPROXIMATELY 160 FT LONG WITH ONE SMALL DARK OBJECT AT ONE END AND 2 AT THE OTHER END. ORIENTATION IS GENERALLY THE SAME AS THE RECONSTRUCTED PAD AT POSITION 5. HOWEVER, NO REVETMENT HAS BEEN CONSTRUCTED AT POSITION 6. CONSIDERABLE ACTIVITY IS OBSERVED ON ALL POSITIONS AT SITES 3 AND 4, ESPECIALLY ON AND NEAR POSITION 3 OF SITE 3. THE FOUR 50 X 20 FT OBJECTS REMAIN ON POSITIONS 3 AND 4, SITE 3.

25X1D

AT LAUNCH COMPLEX B (SITE 1B14) NO CHANGE IS APPARENT SINCE MISSION [REDACTED] AT FACILITY A AND AT THE SUPPORT AREA. AT FACILITY B, 2 VEHICLES ARE ADJACENT TO PAD B-2 AND OTHERS ARE IN THE VICINITY OF THE 2 LARGE LOOP ROADS. THE NORTHERN SMALL TRIAD BUILDING HAS A ROOF-MOUNTED OBJECT WITH A SURROUNDING RING-LIKE STRUCTURE. A DOME-SHAPED PROBABLE ENVIRONMENTAL SHELTER IS ON THE GROUND ADJACENT TO THE BUILDING.

25X1D

THE SMALL TRIAD BUILDING TO THE SOUTH HAS AN OBJECT ON THE ROOF AND A FLAT RING TRACE AROUND IT. A DOME-SHAPED PROBABLE ENVIRONMENTAL SHELTER IS ON THE GROUND ADJACENT. IN ADDITION TO THE TOWER-MOUNTED CIRCULAR DISH ANTENNA AND RINGLIKE STRUCTURE ON THE ROOF OF THE LARGE TRIAD BUILDING, THERE IS A STRUCTURE ADJACENT ON THE GROUND (NEW SINCE MISSION [REDACTED] [REDACTED] COMPOSED OF 2 CONCENTRIC RINGS (110 AND 65 FT IN DIAMETER) WHICH APPEAR TO BE INTERCONNECTED AND ARE PROBABLY DESIGNED TO BE PLACED ON THE ROOF OF THE BUILDING AS PART OF AN ENVIRONMENTAL SHELTER.

25X1D

25X1D

SITE 13 IS COVERED BY NON-STEREO, POOR-IMAGE-QUALITY PHOTOGRAPHY. CONSTRUCTION HAS PROGRESSED ON THE LATEST DUAL HEN HOUSE-TYPE STRUCTURE SINCE MISSION [REDACTED] THE DEGREE OF PROGRESS AT THE OTHER 2 DUAL HEN HOUSE-TYPE STRUCTURES CANNOT BE DETERMINED. THERE IS NO EVIDENCE OF A FOURTH SUCH STRUCTURE. THE BUILDING TRIAD AND THE TRIAD AREA AT INSTRUMENTATION SITE 10 ARE IDENTIFICATION

25X1

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25X1
25X1

25X1D

ONLY. THE AIRSTRIP IS THE ONLY OTHER FACILITY COVERED AT THIS SITE. NO CHANGE IS APPARENT IN THE BUILDING TRIAD AT INSTRUMENTATION SITE 2 SINCE MISSION [REDACTED] AT SITE 2 THE DOME-SHAPED ENVIRONMENTAL SHELTER ON TOP OF THE 135 X 125 FT BUILDING NOW APPEARS ENTIRELY LIGHT IN TONE. THE PREVIOUSLY REPORTED WHITE CIRCULAR OBJECT ON THE GROUND, POSSIBLY THE MISSING TOP CENTER PANEL, IS NO LONGER VISIBLE. WORK CONTINUES ON 2 NEW ROADS LEADING WEST FROM THE COASTAL ROAD AT SITES 1 AND 2. AT SITE 3, THE 110 FT DOME IS STILL REMOVED WITH EQUIPMENT AND RING PRESENT. THREE SMALL AIRCRAFT ARE OBSERVED AT THE AIRSTRIP.

25X1D

THE ANTENNA FACE AT THE HEN HOUSE ANTENNA REMAINS DARK IN TONE. CONSTRUCTION CONTINUES AT THE INTERFEROMETER AT SITE 12, WHERE THE CROSSARMS ARE BEING LENGTHENED FROM 400 TO 1,000 FT. TWO SWEEP-WING AIRCRAFT SILHOUETTES ARE OBSERVED ON THE TERRAIN JUST EAST OF THE SOUTHWEST END OF THE 16,500 FT DIRT STRIP. ONE OF THESE SILHOUETTES HAS BEEN PRESENT SINCE AT LEAST [REDACTED] TWENTY NM SOUTH SW OF THIS STRIP IS AN AREA UNDER CONSTRUCTION SINCE MISSION [REDACTED] IT CONSISTS OF A STRIP APPROXIMATELY 3,300 X 400 FT AND ORIENTED GENERALLY EAST-WEST WHICH IS BEING GRADED. NO SIGNIFICANT CHANGE IS NOTED IN THE MAIN HOUSING COMPLEX EXCEPT FOR THE CONTINUING DISMANTLEMENT OF A WAREHOUSE AREA ALONG THE RAILROAD. ONLY 4 WAREHOUSES OF AN ORIGINAL 18 REMAIN.

25X1D

25X1D

NO APPARENT CHANGE IS NOTED SINCE MISSION [REDACTED] [REDACTED] IN THE PRIMARY AIRFIELD, HEN ROOST ANTENNAS, AND INSTRUMENTATION SITES 1 AND 4, SINCE MISSION [REDACTED]

25X1D

25X1D

[REDACTED] AT INSTRUMENTATION SITE 11, SINCE MISSION [REDACTED]

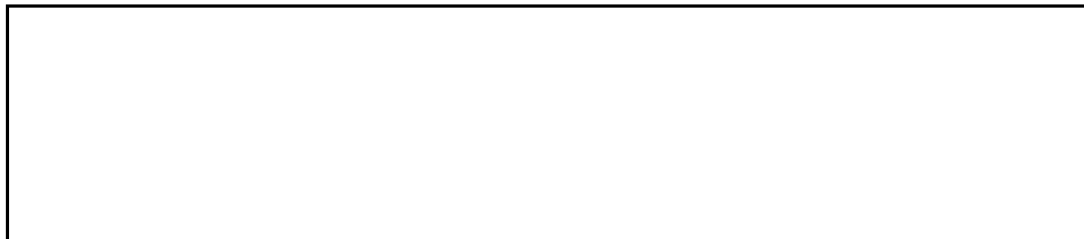
25X1D

25X1D

[REDACTED] AT INSTRUMENTATION SITE 5. INSTRUMENTATION SITE 9 IS IDENTIFICATION ONLY.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

25X1D



25X1

25X1

[REDACTED]

25X1D

[REDACTED]

25X1A

[REDACTED]

SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

CENTER PARTIALLY COVERED BY CLEAR PHOTOGRAPHY.

SSM LAUNCH AREAS SHOW NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] SOME ACTIVITY IS VISIBLE ON THE NE CORNER OF THE PAD AT LAUNCH AREA C. HOWEVER, IMAGE QUALITY PRECLUDES IDENTIFICATION.

25X1D

25X1D

NO APPARENT CHANGE IN FACILITIES OR ACTIVITY SINCE MISSION [REDACTED] IN THE SSM HOUSING AND SUPPORT AREA, THE 4 OPERATIONAL SUPPORT AREAS, THE SAM HOUSING AND SUPPORT AREA, OR THE SA-2 SITE AND ADJACENT HOUSING AREA. BOTH SAM R&D LAUNCH SITES ARE ACTIVE. LAUNCH SITE B HAS A PIECE OF EQUIPMENT IN EACH OF THE TWO HIGH, SEMICIRCULAR REVETMENTS AND A PROBABLE GUIDANCE RADAR IN FRONT OF THE BUILDING IN THE CENTRAL GUIDANCE AREA. THE DARK SCAR BETWEEN THE 2 LARGE REVETMENTS CAN NOW BE IDENTIFIED AS A ROAD WHICH CONNECTS WITH THE OLDER LOOP ROAD. SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT ARE IN LAUNCH SITE B HOLD AREA.

SAM LAUNCH SITE A HAS A PROBABLE GUIDANCE RADAR AND SEVERAL OTHER PIECES OF EQUIPMENT IN THE CENTRAL GUIDANCE AREA. THE LAUNCH POSITIONS ALL APPEAR UNOCCUPIED. SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT/VEHICLES ARE ALSO LOCATED IN THE HOLD AREA TO THE REAR.

A RADAR IS POSITIONED ON THE MOUND AT EARLY WARNING RADAR SITE NO 1, APPROXIMATELY 4 NM SE OF THE MAIN SUPPORT BASE. THE MAIN SUPPORT BASE IS IDENTIFICATION ONLY.

25X1

25X1

25X1

25X1

25X1D THE L-SHAPED INSTRUMENTATION PATTERN AT THE TERMINUS OF THE RAIL LINE INTO THE DESERT SHOWS NO APPARENT CHANGE SINCE MISSION [REDACTED]

(ATTACHMENT 6)

25X1D [REDACTED]

25X1A [REDACTED] ZAGORSK ROCKET TEST FACILITY UR 5627N 03812E

CONSTRUCTION ACTIVITY CONTINUES IN AN AREA JUST EAST OF THE SECURED PORTION OF THE FACILITY. THIS CONSTRUCTION IS NOW OBSERVED TO CONSIST OF A NETWORK OF ROADS AND TRENCHES, THREE LARGE EXCAVATIONS, TWO UNIDENTIFIED STRUCTURES, AND A TRACE WHICH RESEMBLES THE PRELIMINARY CLEARING FOR A NEW SECURITY FENCE. NO [REDACTED] UNUSUAL EQUIPMENT, OR TESTING ACTIVITY OBSERVED.

25X1D

25X1D [REDACTED]

25X1A [REDACTED] VORONEZH ROCKET TEST FACILITY UR 5134N 03908E

25X1D A NEW VERTICAL TEST STAND IN THE EARLY STAGES OF CONSTRUCTION IS VISIBLE WHERE CONSTRUCTION ACTIVITY WAS OBSERVED ON MISSION [REDACTED] THIS IS THE SECOND TEST STAND LOCATED ON THE NEWER (SE) PART OF THE FACILITY AND WILL PROBABLY UTILIZE THE CONTROL BUILDING ASSOCIATED WITH THE FIRST TEST STAND. THE FIRST TEST STAND APPEARS TO BE NEARING COMPLETION, WITH WORK REMAINING TO BE DONE IN THE BLAST DEFLECTOR. CONSTRUCTION ACTIVITY IS EVIDENT IN THE NE PART OF THE FACILITY. A SMALL CEMENT PLANT IS IDENTIFIED APPROXIMATELY 1.5 NM WEST OF THE FACILITY NEAR A HOUSING/SUPPORT AREA AND A SAM SUPPORT FACILITY.

(ATTACHMENT 7)

25X1D [REDACTED]

25X1

25X1

25X1

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25X1

[REDACTED]
25X1A

[REDACTED] VORONEZH SUSPECT SSM AREA UR 5139N 03911E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS SEARCH AREA ON CLEAR PHOTOGRAPHY. AREA CAN BE NEGATED.

25X1D [REDACTED]

25X1A

[REDACTED] KRASNAYA GORBATKA SUSPECT SSM AREA UR 5553N 04146E

NO MISSILE-RELATED ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF KRASNAYA GORBATKA. APPROXIMATELY 80 PERCENT OF SEARCH AREA COVERED BY PHOTOGRAPHY. AREA CANNOT BE NEGATED.

25X1D [REDACTED]

25X1A

[REDACTED] ENGELS SUSPECT SSM AREA UR 5129N 04607E

BOLSHAYA KAMENKA IRBM LAUNCH SITE IS LOCATED IN THE SEARCH AREA. NO ADDITIONAL SSM ACTIVITY WITHIN 50-NM OF ENGELS AIRFIELD. ONLY WESTERN 40 PERCENT OF SEARCH AREA WAS COVERED. SEARCH AREA CANNOT BE NEGATED.

25X1D [REDACTED]

25X1A

[REDACTED] NOVOSTROYKA SUSPECT SSM AREA UR 5619N 03803E

NO NEW SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS SEARCH AREA. APPROXIMATELY 60 PERCENT OF SEARCH AREA IS CLOUD COVERED. AREA CANNOT BE NEGATED.

25X1D [REDACTED]

25X1A

[REDACTED] ROMNY SUSPECT SSM AREA UR 5044N 03328E

NO SSM-RELATED ACTIVITY WITHIN A 50-NM RADIUS WEST OF ROMNY. MAJOR PORTION OF EASTERN HALF OF SEARCH AREA NOT COVERED. AREA CANNOT BE NEGATED.

25X1D [REDACTED]

25X1

25X1

[REDACTED]

25X1A

[REDACTED]

ALEYSK SUSPECT SSM AREA UR 5229N 08247E

THE 50-NM RADIUS SEARCH AREA IS 90 PERCENT CLOUD-COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS.

NO AMM ACTIVITY OBSERVED IN 50-NM RADIUS SEARCH AREA, WHICH IS 90 PERCENT CLOUD-COVERED.

25X1D

[REDACTED]

25X1A

[REDACTED]

[REDACTED]

25X1D

25X1A

[REDACTED]

ZHDANOV SUSPECT ANTI-SATELLITE LNCH FAC UR 4705N 03730E

NO ANTI-SATELLITE LAUNCH FACILITY IDENTIFIED IN THE EASTERN HALF OF THE 50-NM RADIUS SEARCH AREA. WESTERN PORTION NOT COVERED BY PHOTOGRAPHY.

25X1D

[REDACTED]

25X1A

[REDACTED]

KALININGRAD SUSP NAVAL MISSILE STORAGE UR 5450N 02028E

NO APPARENT CHANGE TO FACILITIES SINCE CONSTRUCTION APPEARS
25X1D MISSION [REDACTED]

25X1

25X1

25X1

[Redacted]

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TOP SECRET

[Redacted]

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25X1
25X1

COMPLETE.

25X1D

[Redacted]

(ATTACHMENT 8)

25X1D

[Redacted]

25X1A

[Redacted]

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

APPROXIMATELY 60 PERCENT OF THE 75-NM RADIUS SEARCH OBSERVED ON CLEAR PHOTOGRAPHY, WITH THE REMAINDER OF THE AREA CLOUD COVERED. NO NEW LENINGRAD OR SARY SHAGAN-TYPE INSTALLATIONS OBSERVED IN THE CLOUD-FREE AREAS. ACTIVITY CONTINUES IN THE AREAS OF UNIDENTIFIED CONSTRUCTION AT SA-1 SAM SITES C02-1, C09-1, C16-1, C19-1, EA10-1, E10-1, E12-1, E13-1, E15-1, E16-1, E17-1, AND E21-1. THE REMAINDER OF THE SA-1 SAM SITES ARE CLOUD COVERED OR SHOW NO APPARENT CHANGE SINCE MISSION [Redacted] CONSTRUCTION CONTINUES IN THE TRIAD AREAS AT E05-1 AND E15-1.

25X1D

25X1D

[Redacted]

BONUS 1 GOROKHOV FIXED FIELD MRBM LAUNCH SITE UR 5035N 02448E

SITE LOCATED 5.5 NM NNE OF GOROKHOV AND 4.5 NM SW OF LUTSK MRBM LAUNCH SITE 1 CONSISTS OF A ROAD NETWORK SERVING 4 PAD-LIKE CLEARINGS, 3 OF WHICH ARE IN A STRAIGHT LINE, WITH THE FOURTH OFFSET. THREE OTHER SQUARE-SHAPED CLEARINGS ARE ALSO PRESENT. AN ERECTOR IS PRESENT ON ONE CLEARING AND POSSIBLY ON 2 OTHERS. NO OTHER STRUCTURES OR EQUIPMENT ARE DISCERNIBLE. A SHORT DISTANCE NNW OF THE SITE IS ANOTHER ROAD PATTERN WHICH CONTAINS 2 POSSIBLE PAD-LIKE CLEARINGS, BUT APPEARS TO HAVE BEEN INACTIVE FOR SOME TIME.

25X1D

[Redacted]

[Redacted]

[Redacted]

25X1
25X1

25X1

[Redacted]

25X1
25X1

BONUS 2 SHEPETOVKA FIXED FIELD MRBM LAUNCH SITE UR 5012N 02659E

SITE LOCATED 3.5 NM NW OF SHEPETOVKA AND 10 NM ESE OF OSTROG MRBM LAUNCH SITE 1 CONSISTS OF 4 PAD-LIKE CLEARINGS SITUATED ALONG A ROAD IN NEARLY A STRAIGHT LINE. A SMALL AREA CONTAINING APPROXIMATELY 10 TENTS OR TENT BASES IS LOCATED EAST OF THE CLEARINGS. NO EQUIPMENT OR STRUCTURES ARE DISCERNIBLE IN THE AREA OR ON THE CLEARINGS.

25X1D [Redacted]

BONUS 3 PLOESTI PROB SAM SITE RU 4510N 02544E

NEWLY IDENTIFIED, COMPLETED, FAN-CONFIGURATION, PROBABLE SA-2 SAM SITE LOCATED 18.7 NM NW OF PLOESTI, RUMANIA, AT 45-10-25N 025-44-15E.

25X1D [Redacted]

BONUS 4 BURGAS SAM SUPPORT FACILITY BU 4226N 02709E

NEWLY IDENTIFIED, IRREGULAR TYPE, SAM SUPPORT FACILITY LOCATED 14.7 NM WSW OF BURGAS, BULGARIA, AT 42-26-55N 027-09-00E.

25X1D [Redacted]

BONUS 5 EMONA POSSIBLE CRUISE MISSILE LAUNCH SITE BU 4243N 02752E

NEWLY IDENTIFIED POSSIBLE CRUISE-MISSILE LAUNCH SITE APPROXIMATELY 0.8 NM NW OF EMONA, BULGARIA, AND APPROXIMATELY 22 NM NE OF BURGAS, BULGARIA, AT 42-43-30N 027-52-20E.

SITE CONSISTS OF 2 CIRCULAR POSSIBLE LAUNCH REVETMENTS ON THE SOUTH SLOPE OF A HILL OVERLOOKING THE BLACK SEA AND 2 POSSIBLE MISSILE HOLD REVETMENTS LOCATED ON THE OPPOSITE SIDE OF THE HILL. NO EQUIPMENT OR PERMANENT SUPPORT FACILITIES DISCERNIBLE. SITE WAS NOT PRESENT ON MISSION [Redacted]

25X1D

[Redacted]

[Redacted]

25X1

25X1

25X1

TOP SECRET

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25X1

[REDACTED]

25X1D

[REDACTED]

BUT WAS OBSERVED UNDER CONSTRUCTION ON

[REDACTED]

25X1D

BONUS 6 BRASOV SAM SITE RU 4551N 02540E

NEWLY IDENTIFIED, COMPLETED, FAN-CONFIGURATION,
SA-2 SAM SITE LOCATED 12.5 NM NNE OF BRASOV,
RUMANIA, AT 45-51-20N 025-40-00E.

25X1D

[REDACTED]

BONUS 7 BELGRADE SAM SITE YU 4442N 02055E

NEWLY IDENTIFIED COMPLETED, LINK-CONFIGURATION,
SA-2 SAM SITE LOCATED 22.2 NM ESE OF BELGRADE AT
44-42-40N 020-55-20E.

25X1D

[REDACTED]

BONUS 8 MOSCOW SAM SITE UR 5509N 03648E

A NEWLY IDENTIFIED G-CONFIGURATION SA-3 SAM SITE
UNDER CONSTRUCTION IS LOCATED 45 NM SSW OF MOSCOW
AT 55-09-00N 36-48-00E.

25X1D

[REDACTED]

BONUS 9 MOSCOW SAM SITE UR 5514N 03638E

A NEWLY IDENTIFIED G-CONFIGURATION SA-3 SAM SITE
UNDER CONSTRUCTION IS LOCATED 46 NM SSW OF MOSCOW
AT 55-14-20N 36-38-00E.

25X1D

[REDACTED]

BONUS 10 RYAZAN SAM SITE UR 5448N 03953E

A NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE IS
LOCATED 12.1 NM NNE OF RYAZAN AT 54-48-10N 39-53-20E.

25X1

25X1

[REDACTED]

25X1

[Redacted]

25X1
25X1

25X1D

[Redacted]

BONUS 11 LYCHKOVTSY FIXED FIELD MRBM LAUNCH SITE UR 5215N 02521E

SITE, LOCATED 1.95 NM NORTH OF LYCHKOVTSY AND 12.5 NM WNW OF IVANOVO MRBM LAUNCH SITE, CONSISTS OF AN IRREGULAR ROAD NETWORK WITH 4 PAD-LIKE CLEARINGS. THREE OF THE CLEARINGS ARE ARRANGED IN A ROW AND THE FOURTH IS OFFSET. A SMALL AREA CONTAINING TENT BASES IS JUST EAST OF THE CLEARINGS. NO ERECTORS OR EQUIPMENT ARE LOCATED IN THE CLEARINGS OR ON THE ASSOCIATED ROAD NETWORK.

25X1D

[Redacted]

BONUS 12 LUGINY FIXED FIELD MRBM LAUNCH SITE UR 5108N 02823E

SITE, LOCATED 3 NM NNW OF LUGINY AND 5 NM SSW OF LIPNIKI MRBM LAUNCH SITE, CONSISTS OF AN IRREGULAR ROAD NETWORK WITH 4 PAD-LIKE CLEARINGS. THREE OF THE CLEARINGS ARE GROUPED CLOSELY TOGETHER WITH THE FOURTH A SHORT DISTANCE AWAY. NO STRUCTURES OR EQUIPMENT ARE VISIBLE IN THE AREA.

25X1D

[Redacted]

BONUS 13 SHOTSK FIXED FIELD MRBM LAUNCH SITE UR 5327N 02748E

SITE, LOCATED 4 NM NE OF SHOTSK AND 2 NM NE OF MARINA GORKA MRBM LAUNCH SITE, CONSISTS OF 2 PAIRS OF OFFSET, IN-LINE, PAD-LIKE CLEARINGS. SEVERAL SMALL STRUCTURES AND OBJECTS ARE VISIBLE IN THE SITE AREA, BUT NO EQUIPMENT IS DISCERNIBLE IN THE CLEARINGS. THE SITE WAS NOT EVIDENT ON MISSION

25X1D

[Redacted]

BONUS 14 KARA-BABAU, IRBM SUPPORT FACILITY UR 4430N 07755E

A NEWLY IDENTIFIED IRBM SUPPORT FACILITY (REPORTED ON MISSION [Redacted] AS KARA-BABAU

25X1D

[Redacted]

25X1

25X1

25X1



UNIDENTIFIED INSTALLATION U/C) IS OBSERVED APPROXIMATELY 2.5 NM WSW OF KARA-BABAU IRBM LAUNCH SITE 2. THE INSTALLATION MEASURES APPROXIMATELY 3,000 X 1,200 FT AND CONTAINS 16 BUILDINGS OF VARIOUS SIZES. THE SITE IS SERVED BY 3 WIDE-TURN SERVICE ROADS. EARTH SCARRING NORTH OF SITE INDICATES POSSIBLE CONTINUING CONSTRUCTION.

25X1D



BONUS 15 LETICHEV FIXED FIELD MRBM LAUNCH SITE 2 UR 4925N 02745E

SITE LOCATED 5.2 NM NE OF LETICHEV AND 10.5 NM ESE OF DERAZHNYA MRBM LAUNCH SITE 2 CONTAINS 2 PAD-LIKE CLEARINGS ARRANGED ON A LOOP ROAD PATTERN. NO ERECTORS OR EQUIPMENT DISCERNIBLE IN THE SITE AREA. SITE DOES NOT APPEAR COMPLETE.

25X1D



BONUS 16 BAR FIXED FIELD MRBM LAUNCH SITE UR 4905N 02743E

SITE LOCATED 1.7 NM NE OF BAR AND 15.5 NM WSW OF ZHMERINKA MRBM LAUNCH SITE CONTAINS 4 ELONGATED PAD-LIKE CLEARINGS, ALL OF WHICH ARE ORIENTED ON AN AZIMUTH SIMILAR TO THE ZHMERINKA SOFT SITES. THREE OF THE PAD-LIKE CLEARINGS ARE ARRANGED IN A LINE, THE FOURTH IS LOCATED FORWARD OF THE SOUTHERNMOST ONE. NO ERECTORS ARE DISCERNIBLE ON THE CLEARINGS, HOWEVER, A PROBABLE BUILDING OR TENT IS OBSERVED IN THE SITE AREA.

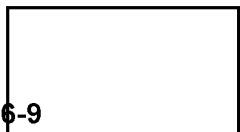
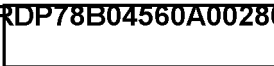
25X1D



BONUS 17 LETICHEV FIXED FIELD MRBM LAUNCH SITE 1 UR 4922N 02743E

SITE LOCATED 4 NM EAST OF LETICHEV AND 10.5 NM ESE OF DERAZHNYA MRBM LAUNCH SITE 2 CONTAINS 4 PAD-LIKE CLEARINGS ARRANGED ON A DOUBLE LOOP ROAD PATTERN. A FIFTH CLEARING CONTAINS POSSIBLY 2 READY TENTS OR BUILDINGS. NO ERECTORS DISCERNIBLE ON PAD-LIKE CLEARINGS.

25X1D



**Air
Facilities**

25X1

[Redacted]

AIR FACILITIES

25X1A

[Redacted]

MOZDOK AIRFIELD UR 4347N 04436E

CONSTRUCTION OF RUNWAY, TAXIWAYS, AND PARKING APRON CONTINUES. ALL ARE UNSERVICEABLE.

25X9

[Redacted]

AIRCRAFT -- NONE OBSERVED.

25X1D

[Redacted]

25X1A

[Redacted]

RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT UR 5535N 03807E

AIRCRAFT -- 7 BISON, ONE BOUNDER, 2 LARGE HELICOPTERS, 11 LARGE PROBABLE HELICOPTERS IN PARKING AREA WEST OF MAIN RUNWAY. ONE BADGER/CAMEL, ONE COOKPOT, 9 LIGHT STRAIGHT-WING TRANSPORTS, 3 SMALL STRAIGHT-WING, 3 SMALL SWEEP-WING ON PARKING APRON WEST OF MAIN RUNWAY. ONE CLASSIC, ONE BADGER/CAMEL, 2 PROBABLE CAMEL, 11 CAT/CUB, 4 LIGHT STRAIGHT-WING ON WEST SECTION OF NORTH PARKING APRON. TWO PROBABLE CAT/CUB, 6 LIGHT STRAIGHT-WING, 2 SMALL STRAIGHT-WING, AND 15 SMALL PROBABLE SWEEP-WING FIGHTERS ON CENTRAL SECTION OF NORTH PARKING APRON. ONE BEAR, ONE CLEAT, 4 BLINDER, 10 BADGER/CAMEL, ONE COOKPOT, 3 PROBABLE FIDDLER, ONE UNIDENTIFIED FIGHTER, ONE SMALL UNIDENTIFIED AIRCRAFT, AND ONE DERELICT PROBABLE BULL ON EAST SECTION OF NORTH PARKING APRON. ELEVEN BADGER/CAMEL, 3 BLINDER, AND AT LEAST 36 SMALL SWEEP-WING ON CENTRAL PARKING APRON.

25X1D

[Redacted]

25X1A

[Redacted]

TAGANROG AIRFRAME PLANT DIMITROV 86 UR 4711N 03852E

A LARGE PRODUCTION BUILDING IS UNDER CONSTRUCTION ON SOUTH SIDE OF PLANT. THIS BUILDING, WHEN COMPLETE, WILL INCREASE PRODUCTION SPACE BY APPROXIMATELY ONE-THIRD.

[Redacted]

25X1

[Redacted]

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TOP SECRET

[Redacted]

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25X1
25X1

TWO PROBABLE MALLOWS AND 2 STRAIGHT-WING FLYING
BOATS ARE PARKED ON THE RAMP OF ADJACENT TAGANROG
SEAPLANE BASE.

25X1D

[Redacted]

[Redacted]

[Redacted]

25X1
25X1

**Nuclear
Energy**

25X2

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**Naval
Activity /
Ports**

25X1

25X1
25X1

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NAVAL ACTIVITY/PORTS

25X1A [] HAI-TAN TAO NAVAL BASE CH 2530N 11943E

ONLY ONE WHARF VISIBLE IN CLOUD-FREE PORTIONS OF PHOTOGRAPHY.

VESSELS -- 6 POSSIBLE PC.

25X1D []

25X1A [] BALAKLAVA SUBMARINE BASE UR 4430N 03336E

25X1D A PROBABLE SUBMARINE PEN (STARTED BETWEEN MISSION [] IS LOCATED IN THE NW SECTOR OF THE BAY. ENTRANCE IS APPROXIMATELY 65-70 FT WIDE WITH CONCRETE LINTEL AND SIDE SUPPORTS. WATER APPEARS AS DEEP AT PEN ENTRANCE AS IN MIDDLE OF BAY. NO NUCLEAR WEAPONS OR GUIDED MISSILE FACILITIES IDENTIFIED.

25X1D NO APPARENT CHANGE IN OTHER FACILITIES SINCE MISSION []

VESSELS -- 5 POSSIBLE W/R-CLASS SS, ONE PROBABLE ATRK CLASS ASL, AND SEVERAL SMALL UNIDENTIFIED VESSELS.

(ATTACHMENT 17)

25X1D []

25X1A [] LIEPAJA NAVAL BASE AND SHIPYARD UR 5633N 02102E

NO NAVAL CONSTRUCTION OR SUBMARINE PENS OBSERVED.

VESSELS -- ONE POSSIBLE F/Z-CLASS SS, 5 POSSIBLE W/R-CLASS SS, 5 POSSIBLE SHCH-IV-CLASS SS, ONE SVERDLOV CL, 2 DD, AND NUMEROUS MINOR CRAFT.

25X1D []

25X1

25X1

25X1
25X1

25X1

25X1A

[REDACTED] KLAIPEDA NAVAL BASE AND SHIPYARD UR 5542N 02108E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1D

25X1D

[REDACTED]
NO SUBMARINES OR OTHER MAJOR COMBATANT VESSELS
PRESENT.

25X1D

[REDACTED]

25X1A

[REDACTED] SAN-TU-AD NAVAL BASE CH 2638N 11939E

ENTIRE ISLAND COVERED BY GOOD QUALITY STEREO
PHOTOGRAPHY.

FACILITIES ON SOUTHERN SIDE OF ISLAND INCLUDE ONE
OFF-SHORE WHARF, ONE ADMINISTRATION-TYPE BUILDING,
2 BARRACKS-TYPE BUILDINGS, AND 3 ASSOCIATED
BUILDINGS. A SMALL REPAIR YARD WITH MARINE
RAILROAD IS 0.5 NM EAST.

VESSELS -- 6 PATROL CRAFT (POSSIBLY YP) NESTED
AGAINST WHARF AND 3 UNIDENTIFIED VESSELS IN REPAIR
YARD.

NO NUCLEAR OR MISSILE STORAGE OR SUPPORT OBSERVED
WITHIN 5-NM RADIUS.

25X1D

[REDACTED]

25X1A

[REDACTED] SEVASTOPOL NVL BASE & SHPYD SEVMORZAVOD UR 4436N 03332E

EXCELLENT COVERAGE OVER ALL BUT THE EASTERN SECTOR
OF THE BAY, WHERE THERE ARE SCATTERED-TO-HEAVY CLOUDS.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

[REDACTED]

VESSELS -- ONE J-CLASS SSG, 9 MEDIUM/SMALL SS, 2 CL,
ONE CA, 4 POSSIBLE DLG, APPROXIMATELY 12 DD/DE
TYPES, NUMEROUS SMALLER COMBATANTS, AND SEVERAL
LARGE MERCHANT SHIPS.

25X1D

[REDACTED]

25X1

25X1

25X1

[Redacted]

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TOP SECRET

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[Redacted]

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25X1
25X1

25X1A

[Redacted]

KHERSON SHIPYARD UR 4636N 03235E

ONE PROBABLE POLTAVA-CLASS MERCHANT SHIP (APPROXIMATELY 510 X 70 FT) AND ONE PROBABLE LENINSKIY KOMSOMOL-CLASS MERCHANT SHIP (APPROXIMATELY 560 X 70 FT) IN LARGE OUTER BASIN. ONE PROBABLE LENINSKIY KOMSOMOL-CLASS MERCHANT SHIP AND ONE POSSIBLE POLTAVA-CLASS MERCHANT SHIP UNDER CONSTRUCTION ON MAIN BUILDING WAYS IMMEDIATELY NE OF FITTING OUT BASIN. TWO UNIDENTIFIED VESSELS APPROXIMATELY 330 FT AND 260 FT LONG ON SIDE LAUNCHING WAYS.

THE FOLLOWING SIGNIFICANT CHANGES HAVE OCCURRED IN THE SHIPYARD FACILITIES SINCE MISSION [Redacted] ONE VERY LARGE TRIPLE-MONITORED HEAVY FABRICATION BUILDING (APPROXIMATELY 840 X 330 FT) HAS BEEN NEWLY CONSTRUCTED IMMEDIATELY NNW OF MAJOR SUB ASSEMBLY BUILDING. A NEW SMALLER MONITORED FABRICATION BUILDING (APPROXIMATELY 520 X 300 FT) HAS BEEN NEWLY CONSTRUCTED IMMEDIATELY NNW OF AND ACROSS THE MAIN ROAD AND RAIL LINE FORMING THE NW BOUNDARY OF THE SHIPYARD PROPER. THIS BUILDING IS SEPARATELY SECURED. A LARGE TALL SEGMENTED BUILDING (APPROXIMATELY 830 X 270 FT) IS UNDER CONSTRUCTION AT WESTERN QUAYED AREA IMMEDIATELY ADJACENT TO AND NORTH OF THE SIDE LAUNCHING WAYS.

25X1D

25X1D

[Redacted]

[Redacted]

[Redacted]

25X1
25X1

**Biological/
Chemical
Warfare**

25X2

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**Electronics/
Communications**

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25X1

[Redacted]

TOP SECRET

[Redacted]

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[Redacted]

NPIC/R-864/64

25X1

25X1

25X1A

ELECTRONICS/COMMUNICATIONS

[Redacted]

MOSCOW, SUSPECT AMM PHASED-ARRAY RADAR - UR - 5529N 03641E

SUSPECT RADAR OBSCURED BY HEAVY CLOUD SHADOW. NO
SIGNIFICANT CHANGE APPARENT SINCE MISSION [Redacted]

25X1D

[Redacted]

25X1D

OPERATIONAL AREA B AND SUPPORT AREAS A AND B CLOUD
COVERED.

25X1D

[Redacted]

TOP SECRET

[Redacted]

[Redacted]

25X1

25X1

**Military
Activity**

25X1

25X1
25X1

TOP SECRET

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25X1A

MILITARY ACTIVITY

MI-SHAN, MILITARY AREA CH 4532N 13152E

ONLY A MILITARY INSTALLATION ON NW EDGE OF MI-SHAN
VISIBLE. CLOUD SHADOW AND SCATTERED CLOUDS COVER
WESTERN 50 PERCENT OF INSTALLATION. AT LEAST 25
STORAGE BUILDINGS, 2 PROBABLE ADMINISTRATION
BUILDINGS, 5 BARRACKS-TYPE BUILDINGS, AND NUMEROUS
UNIDENTIFIED BUILDINGS ARE VISIBLE.

25X1D

TOP SECRET

25X1
25X1

**Other
Activity**

25X1D

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1010-1. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1010-1 IN WHICH THE TARGET WAS REPORTED.

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
[REDACTED]	PLESETSK ICBM COMPLEX	UR	6256N 04039E	I
[REDACTED]	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06023E	II
[REDACTED]	TYURATAM MISSILE TEST CENTER	UR	4550N 06318E	II
[REDACTED]	DMSK ICBM COMPLEX	UR	5503N 07330E	II
[REDACTED]	TEYKOVO ICBM COMPLEX	UR	5652N 04035E	I
[REDACTED]	GLADKAYA ICBM COMPLEX	UR	5605N 09213E	I
[REDACTED]	VELSK AREA RAIL LINE	UR	6105N 04206E	II
[REDACTED]	KOZELSK ICBM COMPLEX	UR	5357N 03548E	II
[REDACTED]	DOMBAROVSKIY ICBM COMPLEX	UR	5102N 05949E	II
[REDACTED]	MAZANKA MRBM LAUNCH SITE	UR	4454N 03420E	II
[REDACTED]	GVARDEYSK MRBM LAUNCH SITE 2	UR	5445N 02109E	I
[REDACTED]	SLAVSK MRBM LAUNCH SITE 2	UR	5500N 02129E	I
[REDACTED]	ZNAMENSK MRBM LAUNCH SITE 1	UR	5433N 02111E	I
[REDACTED]	GUSEV MRBM LAUNCH SITE 1	UR	5441N 02205E	I
[REDACTED]	VORU MRBM LAUNCH SITE 2	UR	5749N 02650E	II
[REDACTED]	GRESK MRBM LAUNCH SITE 1	UR	5314N 02742E	II
[REDACTED]	NEMAN MRBM LAUNCH SITE	UR	5501N 02211E	I
[REDACTED]	KARA-BABAU IRBM LAUNCH SITE 2	UR	4431N 07758E	II
[REDACTED]	ZHITOMIR MRBM LAUNCH SITE 1	UR	5004N 02816E	II
[REDACTED]	BAYRAM-ALI IRBM LAUNCH SITE	UR	3746N 06212E	I
[REDACTED]	BERDICHEV MRBM LAUNCH SITE	UR	5005N 02822E	II
[REDACTED]	URECHYE MRBM LAUNCH SITE	UR	5311N 02758E	II
[REDACTED]	SMORGON IRBM LAUNCH SITE 2	UR	5426N 02618E	II
[REDACTED]	RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	UR	5104N 02807E	II
[REDACTED]	LIELELEJA MRBM LAUNCH SITE	UR	5624N 02336E	II
[REDACTED]	IECAVA MRBM LAUNCH SITE 3	UR	5633N 02420E	II
[REDACTED]	SHIRVANSKAYA MRBM LAUNCH SITE	UR	4425N 03954E	II
[REDACTED]	SEMENOVKA IRBM LAUNCH SITE 2	UR	4753N 03057E	II
[REDACTED]	VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	I
[REDACTED]	KISHENTSY MRBM LAUNCH SITE	UR	4900N 03013E	II
[REDACTED]	KARA-BABAU IRBM LAUNCH SITE 3	UR	4431N 07743E	II
[REDACTED]	ACHKOY-MARTAN MRBM LAUNCH SITE	UR	4310N 04511E	II
[REDACTED]	POSTAVY MRBM LAUNCH SITE 2	UR	5506N 02700E	II
[REDACTED]	BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR	5145N 04541E	II
[REDACTED]	TRAKTOVYY IRBM LAUNCH SITE	UR	5325N 06223E	I
[REDACTED]	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	II
[REDACTED]	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	II
[REDACTED]	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	II

25X1A

25X1

25X1

NPIC/R-864/64

25X1A

ZAGORSK ROCKET TEST FACILITY	UR 5627N 03812E II
KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	UR 5602N 09303E I
KRASNOYARSK ROCKET ENGINE TEST FACILITY	UR 5605N 09327E I
VORONEZH ROCKET TEST FACILITY	UR 5134N 03908E II
VORONEZH SUSPECT SSM AREA	UR 5139N 03911E II
KRASNAYA GORBATKA SUSPECT SSM AREA	UR 5553N 04146E II
ENGELS SUSPECT SSM AREA	UR 5129N 04607E II
NOVOSTROYKA SUSPECT SSM AREA	UR 5619N 03803E II
ROMNY SUSPECT SSM AREA	UR 5044N 03328E II
ALEYSK SUSPECT SSM AREA	UR 5229N 08247E II
MIKHAYLOVKA SENSITIVE OPERATIONS COMPLEX	UR 4849N 03217E II
ZHDANOV SUSPECT ANTI-SATELLITE LNCH FAC	UR 4705N 03730E II
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E I
KOMSOMLSK SHIPYARD AMUR 199	UR 5033N 13702E I
TERIBERKA NAVAL BASE	UR 6910N 03508E I
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UKRAINA AIRFIELD	UR 5110N 12826E I
BARANOVICHI AIRFIELD	UR 5306N 02603E I
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BYKHOV AIRFIELD	UR 5331N 03012E I
MOZDOK AIRFIELD	UR 4347N 04436E II
KALININGRAD/PROVEREN AIRFIELD	UR 5446N 02025E I
PRILUKI AIRFIELD	UR 5034N 03219E I
ORSHA AIRFIELD SOUTHWEST	UR 5426N 03018E I
RYAZAN/DYAGILEVO AIRFIELD	UR 5439N 03935E I
NEZHIN AIRFIELD	UR 5105N 03152E I
GOMEL/PRIBYTKI AIRFIELD	UR 5218N 03110E I
MIRGOROD AIRFIELD	UR 4956N 03339E I
USSURIYSK/VOZDVIZHENKA AIRFIELD	UR 4355N 13156E I
KHOROL AIRFIELD EAST	UR 4427N 13208E I
SAKI AIRFIELD	UR 4506N 03336E I
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	UR 5535N 03807E II
TAGANROG AIRFRAME PLANT DIMITROV 86	UR 4711N 03852E II
WU-KUNG AIRFIELD	CH 3417N 10815E I
WU-KUNG AIRCRAFT ENGINE PLANT U/C	CH 3417N 10815E I

25X2

25X1

25X1

25X1

25X1
25X1

NPIC/R-864/64

25X2

25X2

25X1A

25X2

25X1D

CHAN-CHIANG NAVAL BASE	CH 2112N 11025E	I
HAI-KOU AREA SUSPECT NAVAL BASE	CH 1935N 10928E	I
HAI-TAN TAO NAVAL BASE	CH 2530N 11943E	II
SHA-CHENG CHIANG NAVAL ACTIVITY	CH 2715N 12025E	I
HAI-KOU PORT AND NAVAL BASE	CH 2001N 11016E	I
BALAKLAVA SUBMARINE BASE	UR 4430N 03336E	II
LIEPAJA NAVAL BASE AND SHIPYARD	UR 5633N 02102E	II
NAO-CHOU TAO SUSPECT SUBMARINE BASE	CH 2055N 11035E	I
KLAIPEDA NAVAL BASE AND SHIPYARD	UR 5542N 02108E	II
SAN-TU-AO NAVAL BASE	CH 2638N 11939E	II
ZALIV OLGI SUBMARINE BASE	UR 4344N 13516E	I
NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445	UR 4659N 03201E	I
NIKOLAYEV SHIPYARD NOSENKO 444	UR 4657N 03159E	I
GORKIY SHIP REPAIR YARD 25 OKT	UR 5617N 04357E	I
GORKIY SHIPYARD HEAVY EQUIPMENT PLANT	UR 5622N 04352E	I
SEVASTOPOL NVL BASE & SHPYD SEVMORZAVOD	UR 4436N 03332E	II
KHERSON SHIPYARD	UR 4636N 03235E	II
ZALIV VLADIMIRA PORT FACILITIES	UR 4352N 13527E	I

LIAO-YANG SUB ARSENAL SHEN-YANG 90TH	CH 4117N 12315E	I
SHCHELKOVO CHEMICAL COMBINE VOROSHILOV	UR 5554N 03801E	II
SAMODED SUSPECT COMMUNICATIONS FACILITY	UR 6336N 04028E	I
SIMFEROPOL TRACKING & COMMUNICATIONS CTR	UR 4503N 03353E	I
MOSCOW SUSPECT AMM PHASED-ARRAY RADAR	UR 5529N 03641E	II
MI-SHAN MILITARY AREA	CH 4532N 13152E	II
PAO-TOU COMPLEX	CH 4036N 11001E	I

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25X1

Attachments

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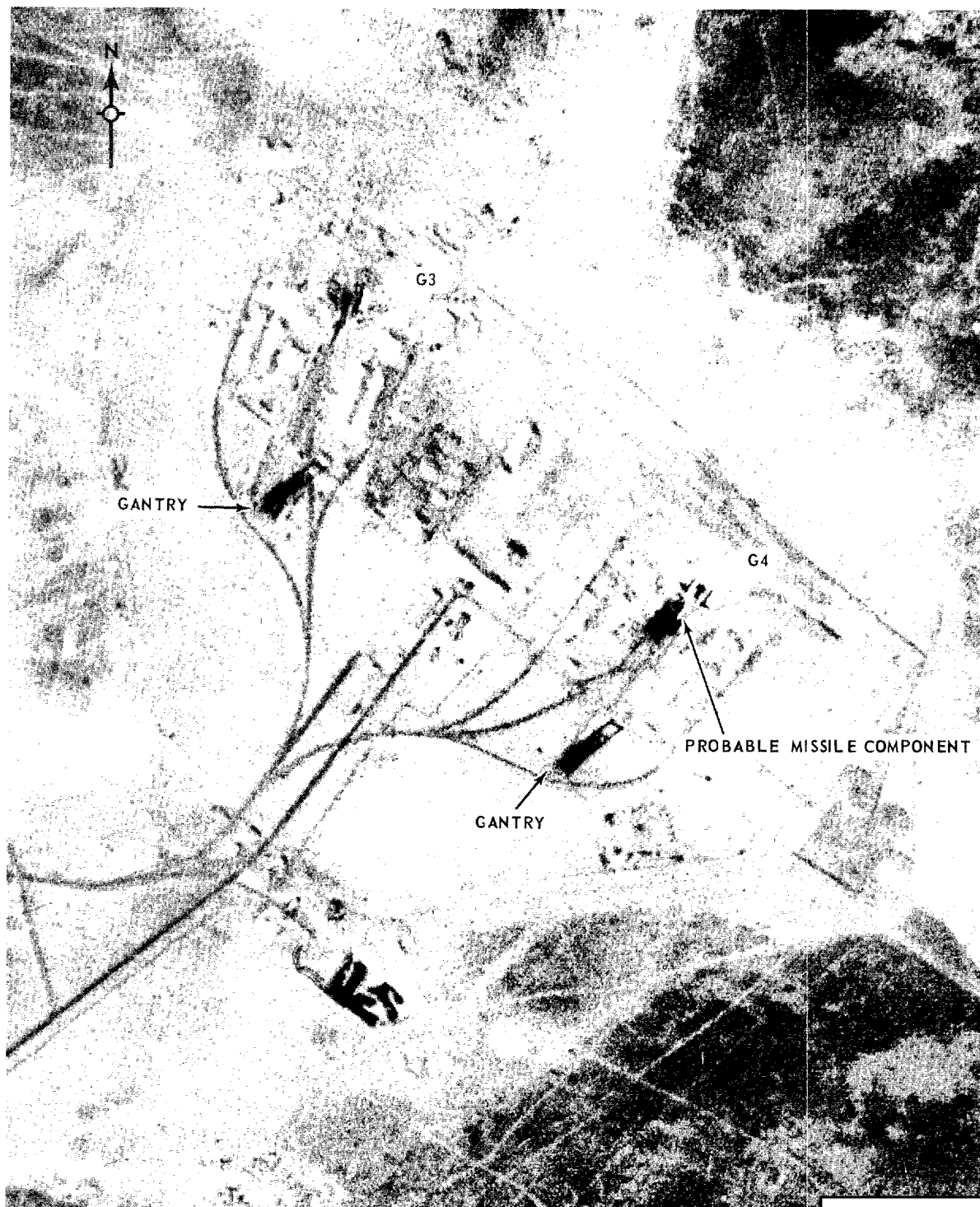
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NPIC/R-864/64

ATTACHMENT 1

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LAUNCH AREA G3-G4, LAUNCH COMPLEX G, TYURATAM MTC, USSR

25X1

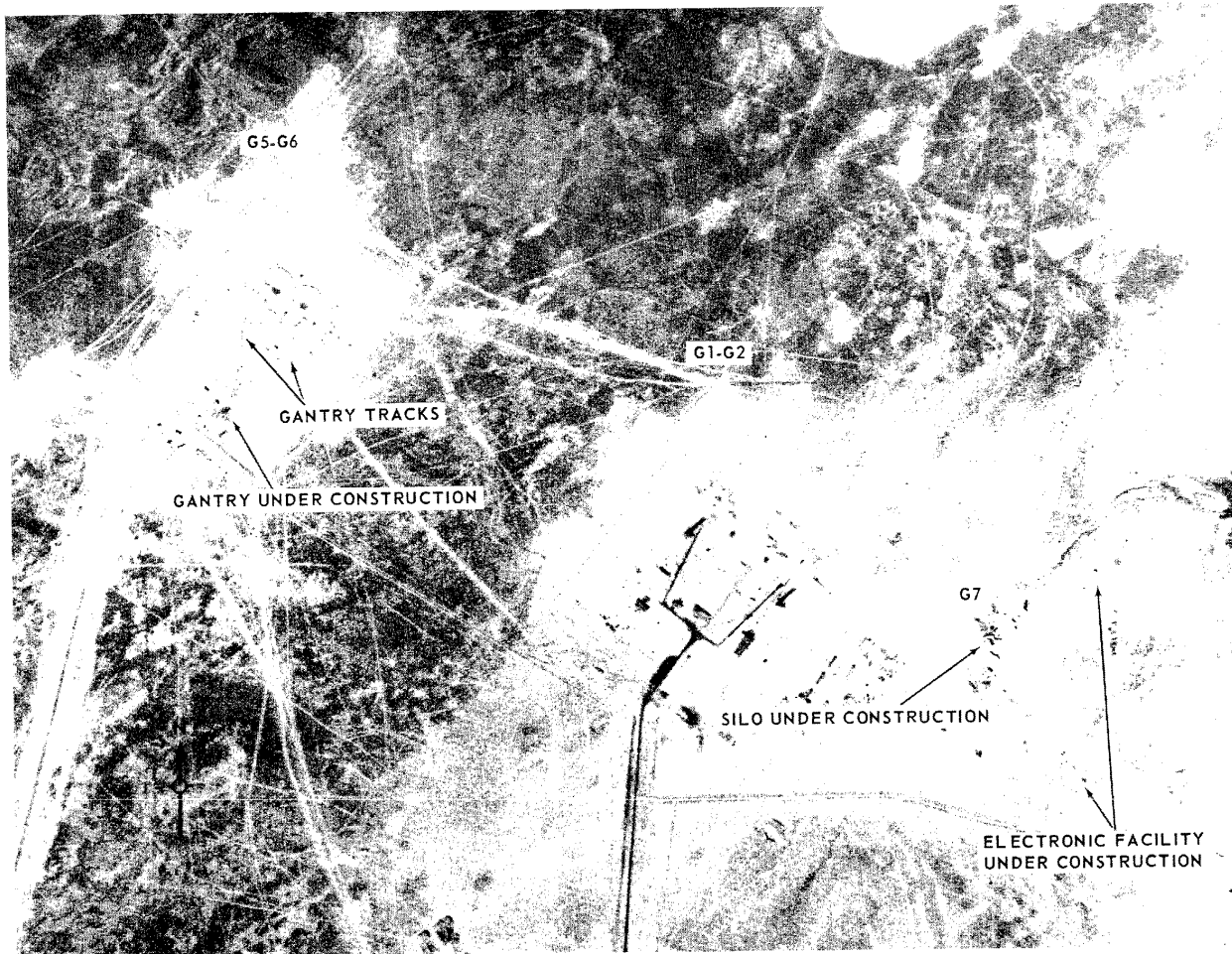
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LAUNCH AREAS G1-G2, G5-G6 AND G7, LAUNCH COMPLEX G, TYURATAM MTC, USSR



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25X1

NPIC/R-864/64
ATTACHMENT 2



25X1



LAUNCH AREAS G8-G9 AND G3-G4, LAUNCH COMPLEX G, TYURATAM MTC, USSR

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ATTACHMENT 3

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25X1

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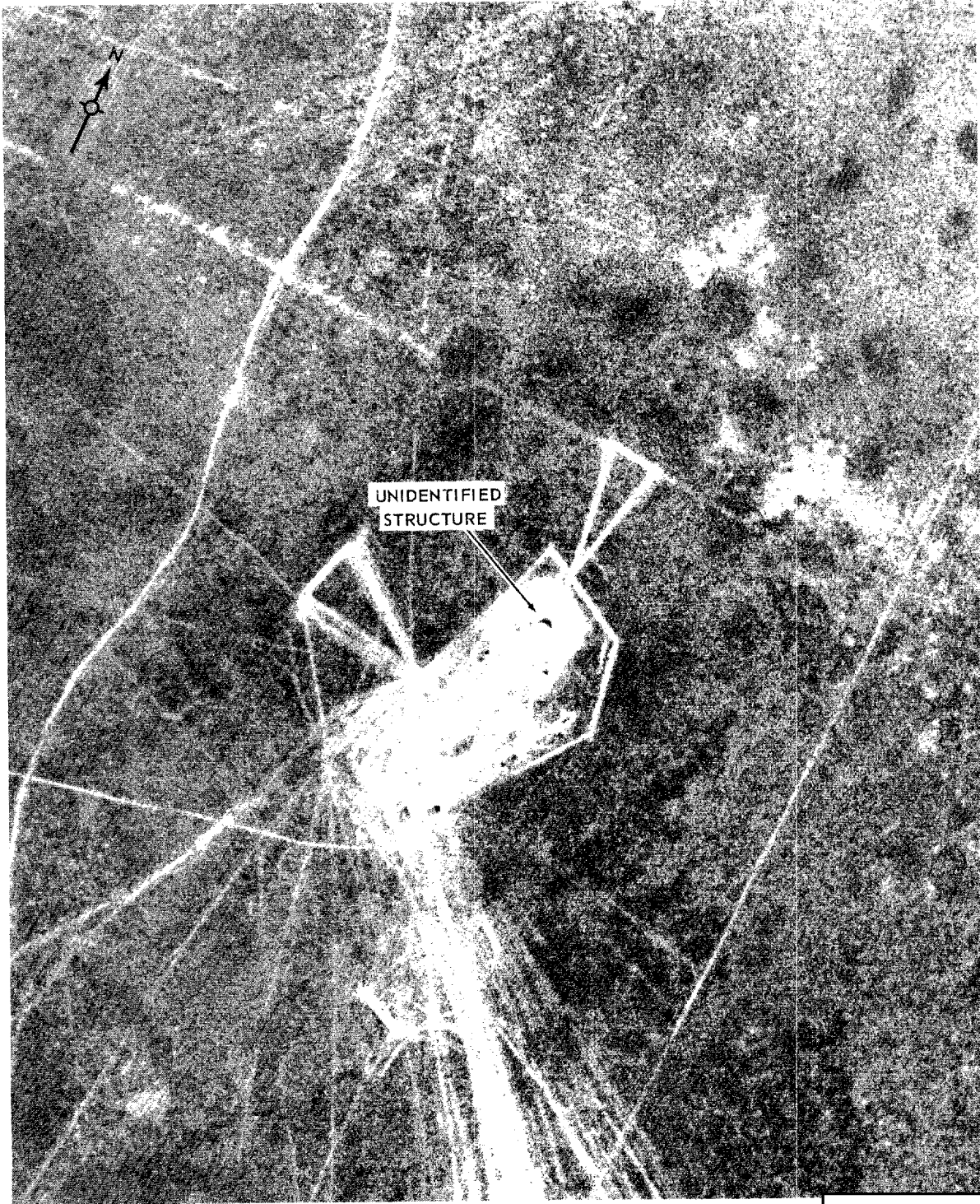
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25X1
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ATTACHMENT 5



SAM R&D LAUNCH AREA, KAPUSTIN YAR/VLADIMIROVKA MTC ,USSR

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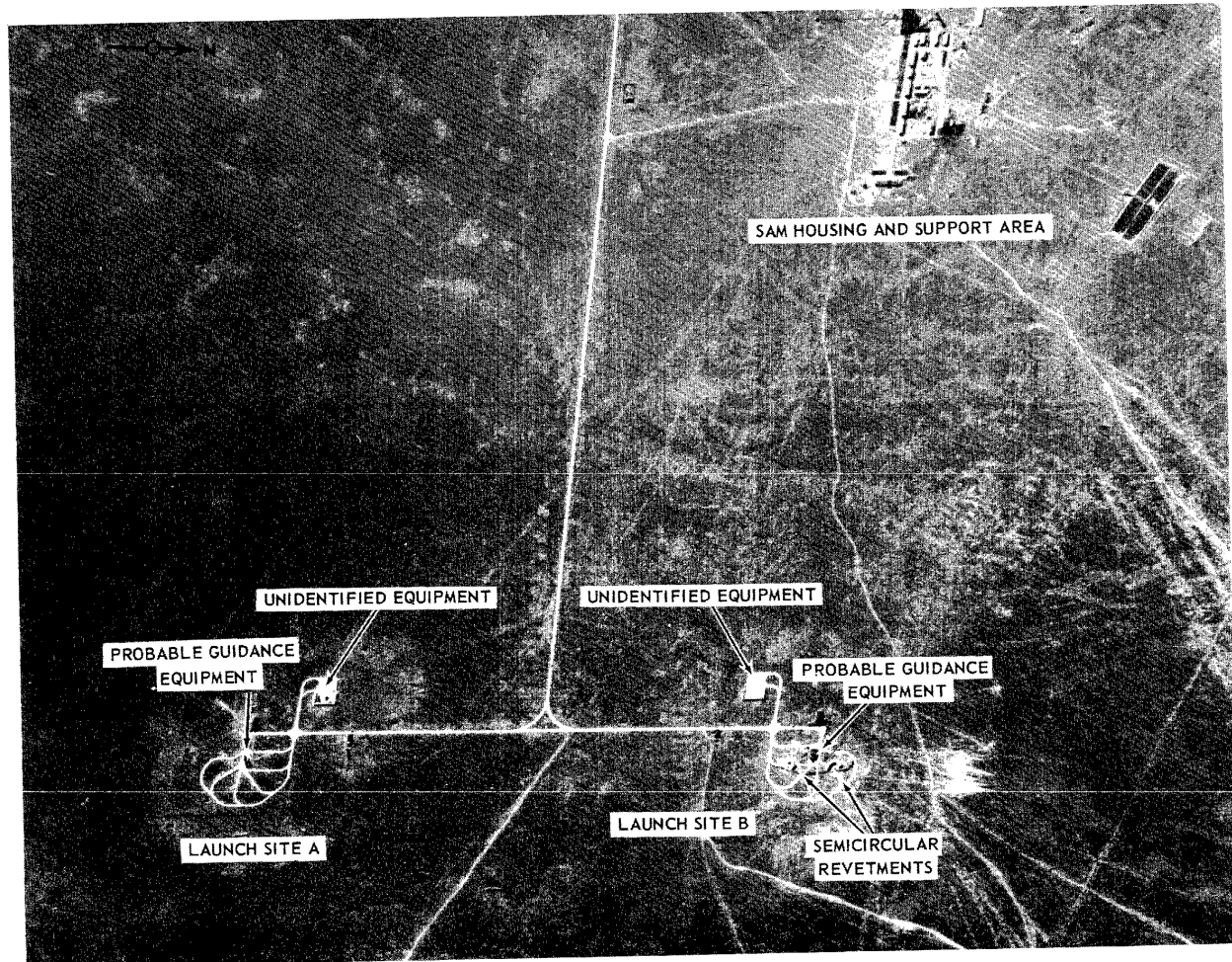
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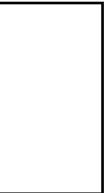
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SAM LAUNCH AREA, SHUANG-CHENG-TZU MTC, CHINA



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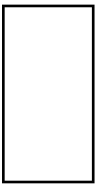
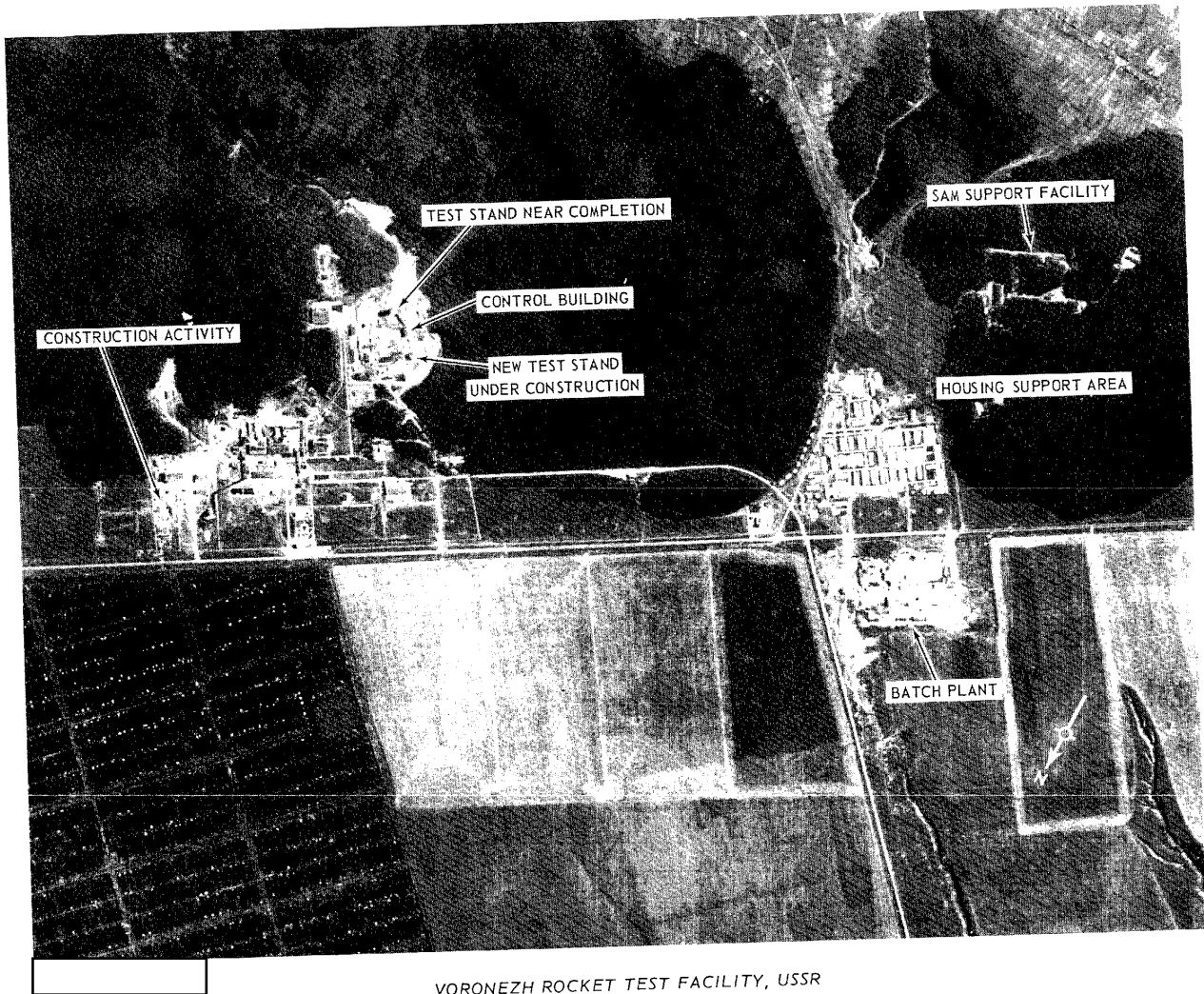
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ATTACHMENT 6

NPIC/R-864/64

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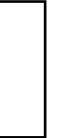
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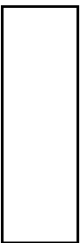


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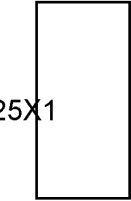
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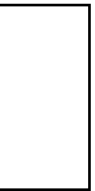
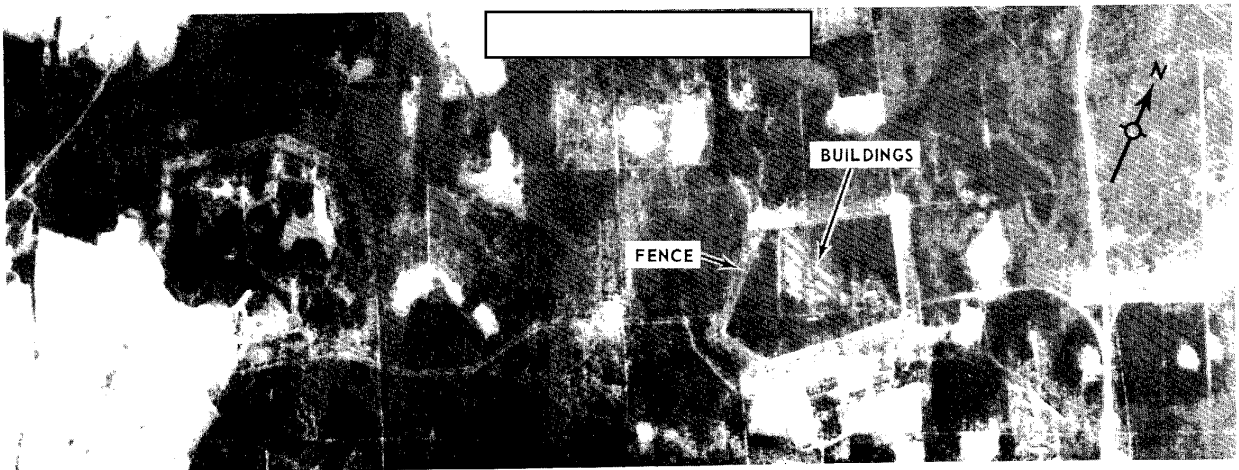
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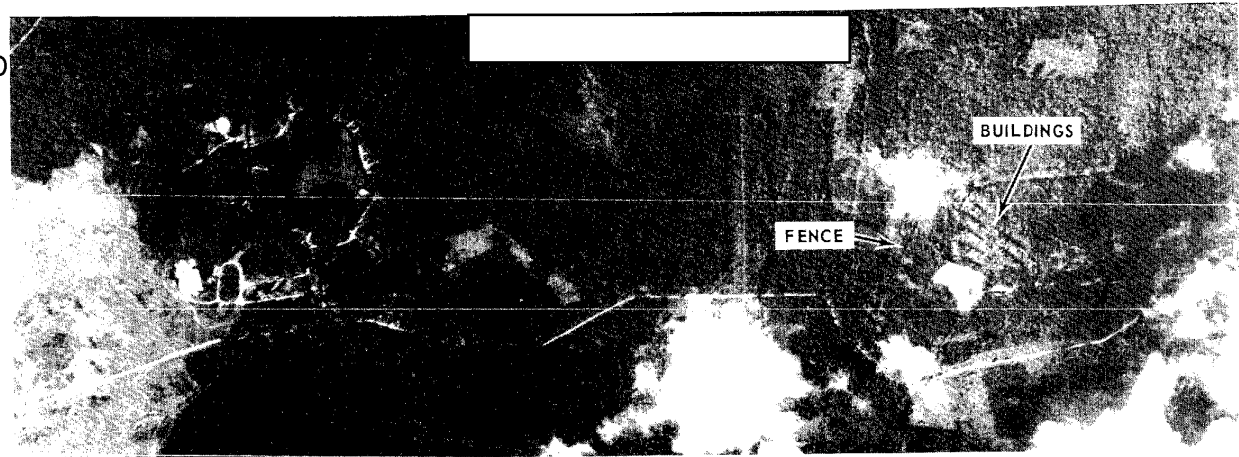
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25X1D



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25X1

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 ATTACHMENT 8

KALININGRAD SUSPECT NAVAL MISSILE STORAGE, USSR

25X2

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ATTACHMENT 13

25X1
25X1



SHANG-HSUAN HYDRO POWER PLANT, YEN-KUO HSIA, CHINA

25X1

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25X1

25X2

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ATTACHMENT 17



BALAKLAVA SUBMARINE BASE, USSR

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