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OAK

PHOTOGRAPHIC INTERPRETATION REPORT



MISSION 1022-2
24-28 JULY 1965

PART II

[Redacted]

AUGUST 1965
COPY 12
44 PAGES

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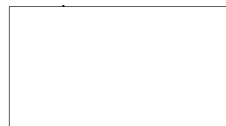
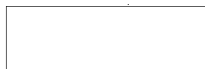
MISSION 1022-2 24-28 JULY 1965

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OAK - PART II
MISSION 1022-2

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1022-2 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD 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.

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), D FOR DESCENDING (NORTH-TO-SOUTH), OR M FOR A MIXED ASCENDING AND DESCENDING PASS. FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A 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), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUDS), SC (SCATTERED CLOUDS), SD (SEMIDARKNESS), O (OBLIQUITY), AND S (SNOW).

THE QUALITY 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), PT (PARTIAL) OR ID (IDENTIFICATION ONLY). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), MN (MONO), OR PST (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.

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Highlights



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MISSION 1022-2 24-28 JULY 1969

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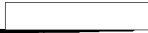
HIGHLIGHTS

- 1. DROVYANAYA ICBM COMPLEX  25X1

A NEW POSSIBLE TYPE IIID LAUNCH SITE HAS BEEN IDENTIFIED APPROXIMATELY 8.3 NM SW OF THE COMPLEX SUPPORT FACILITY AT 51-25N 112-52E.

- 2. DOMBAROVSKIY ICBM COMPLEX  25X1

TWO PROBABLE AND 1 POSSIBLE TYPE IIIC LAUNCH AREAS IN EARLY STAGES OF CONSTRUCTION ARE NEWLY OBSERVED AT THIS COMPLEX.

- 3. IMENI GASTELLO ICBM COMPLEX  25X1

A NEWLY IDENTIFIED TYPE IIIC LAUNCH AREA, IN AN EARLY STAGE OF CONSTRUCTION, IS LOCATED APPROXIMATELY 20 NM SW OF THE COMPLEX SUPPORT FACILITY.

- 25X9 4. ZHURAVKA IRBM LAUNCH SITE  25X1




- 5. KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR  25X1

A NEW POSSIBLE LAUNCH AREA UNDER CONSTRUCTION HAS BEEN IDENTIFIED ON THE SAM FIRING LINE BETWEEN THE PROBABLE SAM LAUNCH AREA AND THE R&D LAUNCH AREA. THE FORMER UNIDENTIFIED CONSTRUCTION ACTIVITY APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH COMPLEX IS NOW IDENTIFIED AS A PLUS CONFIGURED INTERFEROMETER SITE UNDER CONSTRUCTION.

- 6. MAKAT FIELD LAUNCH POINT (MRBM)  25X1

25X2 A PROBABLE MISSILE EXERCISE IS SEEN AT THE LAUNCH POINTS WITH 5 VEHICLES/PIECES OF EQUIPMENT AND A POSSIBLE ERECTOR IN PLACE.



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8. CHIH-CHIN-HSIA NUCLEAR ENERGY COMPLEX 

THE ROOF OF THE REACTOR BUILDING AND 4 OF THE 6 COOLING TOWERS NOW APPEAR COMPLETE.

9. DZARDZHAN TALL KING FACILITY (ELECTRONIC BONUS)

THIS SINGLY SECURED FACILITY LOCATED 1 NM NORTH OF DZARDZHAN IS NEWLY IDENTIFIED.

STATUS OF COMOR TARGET READOUT

FIFTY COMOR TARGETS WERE OBSERVED DURING THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

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/SAM DEPLOYMENT

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- TABLE 5 -- AIRCRAFT ACTIVITY
- TABLE 6 -- SUBMARINE ACTIVITY
- TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet RBM Deployment (Mission 1022-2)

Complex	Launch Area																				Total Soft Sites	Total Hard Sites	Total Single Sites	Total Launch Positions
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S					
Alayk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	6
Dambardovskiy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	9 (1*)	9 (1*)	9 (1*)	9 (1*)
Drovyanaya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	23 (1*)	20 (1*)	20 (1*)	33 (1*)
Gladkaya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	2	15 (0*)	14 (0*)	21 (0*)
Isolni Castello	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	11	11	11	11
Kaska	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	3	3	3
Kastaly	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	13 (3*)	13 (3*)	13 (3*)	13 (3*)
Kozirima	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	1	1	15
Kozulak	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	2	2	12
Nauvalinsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	2	2	12
Obvokomaya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	27	24	24	33
Orsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	1	1	1	3
Perin	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	5	14 (2*)	13 (2*)	26 (2*)
Plesetsk*	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	10*	1	1	19
Shadrinsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	3	3	9
Vozhdnyy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	7	1	1	17
Vozhzhensk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	9 (0*)	9 (0*)	9 (0*)	9 (0*)
Vyskno	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	12
Lysenn	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	2	2	2	4
Pzhor	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	16	16	16	16
Vozhnyaya Volka	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	2	2	2	20
Yelovno	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	2	2	18
Yuzhnyy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	12
Yuzhnyy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	8	3	3	25
Zhongzi Tubo	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	6
Ipuratom Mt.	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	12	21	19	49
Deployment Total																					27	185 (16*)	162 (16*)	390 (16*)
Grand Total																					49	206 (16*)	181 (16*)	439 (16*)

*In Index Launch Points I-IV, complete, but does not include 2 SSBM pads at Launch Area I
 **Carried as Launch Group
 a Possible
 □ Newly identified
 ★ Dropped From Listings
 ○ Covered by current mission

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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	120	11	15	11	160	627
Caucasus	3		2	3	6	29
Central Asia	2	3	1	3	9	33
Far Eastern	10	1		1	12	47
Totals	135	15	21	16	169	736

Totals do not include 82 fixed field-type sites with total of 306 launch positions and one launch facility at Sovetskaya Gavan.

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Table 3. SAM and AMM/SAM Deployment

	Country														Totals		
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Romania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India		North Vietnam	
SA-0	13															13	
SA-1	56															56	
SA-2	1018*	2	19	24	53	16	30	16	4	16	2	5	23	21**	10	7	1265
SA-3	112					1											113
SA-2 SAM Support Facilities	194	1	4	6	5	3	6	3	1		1	1	4	6	3		238
SA-3 SAM Assembly Facilities	11																11
AMM/SAM Complexes	7																7

*Does not include 4 alternate sites, USSR.

**Does not include 25 abandoned sites.

TOTALS AS OF MISSION (1022-2)

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Table 3. Aircraft Activity

AIRFIELD	PREVIOUS MISSION AND AIRCRAFT COUNT					OBSERVED THIS MISSION (022-4)					AIRFIELD	PREVIOUS MISSION AND AIRCRAFT COUNT					OBSERVED THIS MISSION (022-3)						
	BLK	BLN	BLU	BLG	TOTAL	BLK	BLN	BLU	BLG	TOTAL		BLK	BLN	BLU	BLG	TOTAL	BLK	BLN	BLU	BLG	TOTAL		
Abkhazsk-Machibul	9	23	18		44						Zeston												
Abkhazsk-K	41	7			42	1		50		51	Sidlagay, E. G. Lukin			31		11						45	
Abkhaz, L. L. L. L. L.	4				4						Nevskiy, S. S. S. S. S.												
Amursk-L. L. L. L. L.	34				34						Chirchikovo			21		21							
Atkhangsk-K. K. K. K. K.	208				208		23			231	Chirchikovo*			104		104							
Avram, North	55				55		30			85	Chirchikovo*			32		32							
Dudayevskiy*	18	14			24	18	15			34	Chirchikovo*			45		45							
Belak	52	14			66						Chirchikovo, E. G. Lukin			19		19							
Belaya L. L. L. L. L.	15				15						Chirchikovo, E. G. Lukin			10		10							
Belovsk*	15				15						Chirchikovo*			10		10							
Beluga, South	4				4						Chirchikovo*			14		14							
Beluga, North	27				27						Ramenskoye, E. G. Lukin	10	6	5	14	12							
Chirchikovo*						40				40	Ramenskoye, West	7		24		24							
Chirchikovo, E. G. Lukin*						8				8	Ramenskoye, West	28		27		28							
Chirchikovo, E. G. Lukin*						41		14		55	Ramenskoye, West	28		27		28							
Chirchikovo*	18	28			46					46	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
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Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*						16				16	Ramenskoye, West	28		27		28							
Chirchikovo*																							

Table 6. Submarine Activity.

Base	Previous Submarine Count										Observed this Mission (1022-9)															
	SSBY P-class	SSBY E-class	SSB O-class	SSB Z-class	SSB J-class	SSB W-LOG/R	SS K-class	SS F-class	SS G-class	SS R-class	SS Q-class	SS Undersized (SSC, R, L, etc.)	TOTALS	SSBY P-class	SSBY E-class	SSB O-class	SSB Z-class	SSB J-class	SSB W-LOG/R	SS K-class	SS F-class	SS G-class	SS R-class	SS Q-class	SS Undersized (SSC, R, L, etc.)	TOTALS
Balakhva									2W/R			2														
Bukhta Konyakhkova			11		11					61		11	9													
Dunay							1P/Z					1														
Gorkiy												11	1													
Guba Litsa	11											91	10													
Guba Olensy							41 F/Z		61 W/R			21	12													
Guba Seyda	14	21										5	8													
Guba Ura									211 W/R			1	22													
Inkanga						11						8	9													
Komsomolsk												2	0													
Kronshtadt							4F/Z		6W/R			21	17													
Leningrad				11								2	3													
Lipaja							31 F/Z		101 W/R			21	18													
Magadan										31		3	3													
Pechenga												51	8													
Petropavlovsk		11										31	15													
Petrovka		21										11	6													
Polyarnyy		11					6 P/Z		5 W/R			8	32													
Riga							41 F/Z		91 W/R			41	13													
Rosta			51				31 F/Z		41 W/R			6	20													
Sevastopol							11 F/Z		41 W/R			4	9											3	3	
Severodvinsk	1	5	1			2						12	11		11		11							4	16	
Severomorsk													0													
Sovetskaya Gavan									9 W/R			2	11										51 W/R		3	
Tallinn											3	3														
Vladimir												41	5													
Vladivostok					11		2 F/Z				8	11	22													
Zaliv Stelok		1										1	3													
TOTALS	3	10	12	1	4	2	3		21 F/Z		22	3	101	10	276		1	1							13	24

1 POSSIBLE 1 PROBABLE

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Missiles

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MISSION 1022-2 24-28 JULY 1965

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MISSILES

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PLESETSK ICBM COMPLEX

UR 6254N 04038E

PROBABLE LAUNCH AREAS G (SITE 9) AND H (SITE 10) REMAIN IN A MID-STAGE OF CONSTRUCTION. BACKFILLING OF DITCHES AT BOTH LAUNCH AREAS IS NEARLY FINISHED. LAUNCH AREA C (SITE 6) AND THE TWO AREAS OF UNIDENTIFIED ACTIVITY 20 NM AND 23 NM EAST OF THE COMPLEX SUPPORT FACILITY CAN BE IDENTIFIED ONLY. THE REMAINDER OF THE COMPLEX SHOWS NO SIGNIFICANT CHANGE.

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YURYA ICBM COMPLEX

UR 5904N 04918E

VEHICULAR ACTIVITY AND A PROBABLE MISSILE TRAILER ARE APPARENT AT LAUNCH AREA I (SITE 11) AND A MISSILE READY BUILDING HAS BEEN CONSTRUCTED BEHIND THE RIGHT PAD. AT LAUNCH AREA E (SITE 5), A NEW LINEAR GROUND SCAR IS OBSERVED BEGINNING AT THE WEST END OF THE LOOP ROAD, EXTENDING TO THE NORTHWEST, AND TERMINATING JUST BEYOND THE SECURITY FENCE. LAUNCH AREA E IS NON-STEREO AND LAUNCH AREA K (SITE 10) IS CLOUD COVERED. NO OTHER SIGNIFICANT CHANGES OBSERVED.

25X1

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E

NO SIGNIFICANT CHANGE OBSERVED IN VISIBLE PORTIONS OF THE COMPLEX. SITE SUPPORT FACILITY IS THE ONLY PORTION VISIBLE AT LAUNCH AREA A (SITE 2). THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA E (SITE 5) ARE CLOUD COVERED.

25X9

25X1

25X9

25X1

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

LAUNCH COMPLEX H (SITE 8) IS COVERED BY NON-STEREO PHOTOGRAPHY. LAUNCH COMPLEX D (SITES 4 & 9) AND AREAS EAST OF COMPLEX H ARE NOT COVERED. ALL ELEMENTS OF THE TEST CENTER WEST OF COMPLEX H ARE COVERED BY STEREO

25X1

13

TOP SECRET

25X1
25X1

TOP SECRET

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25X1

PHOTOGRAPHY. PHOTO QUALITY RANGES FROM FAIR TO POOR AND PRECLUDES INTERPRETATION OF DETAILS, PARTICULARLY IN THOSE AREAS UNDER CONSTRUCTION.

NO SIGNIFICANT CHANGE, UNUSUAL ACTIVITY, OR NEW CONSTRUCTION IS IDENTIFIED. THE MISSILE GANTRY AT LAUNCH AREA G5-G6 (SITE 12) IS POSITIONED ON PAD G6. ALL OTHER GANTRIES ARE SITUATED TO THE REAR OF THEIR RESPECTIVE PADS. THE MOUNDED EARTH LEVEL ACCESSES TO THE SILOS IN LAUNCH GROUP L (SITES 21-30) ARE NOT ALL PARALLEL AND ORIENTED N/S AS PREVIOUSLY REPORTED. LAUNCH SITE L2 (SITE 27) IS ORIENTED ON AN APPROXIMATE AZIMUTH OF 330 DEGREES, AND LAUNCH SITE L3 (SITE 22) IS ORIENTED ON AN APPROXIMATE AZIMUTH OF 280 DEGREES. THE OTHER 8 LAUNCH SITES OF LAUNCH GROUP L ARE PARALLEL AND ORIENTED ON AN APPROXIMATE AZIMUTH OF 0 DEGREES. AT THE MAIN SUPPORT BASE, A SMALL DAM OR BRIDGE IS BEING CONSTRUCTED ACROSS THE SYR-DARYA (RIVER) IN THE VICINITY OF THE WATER TREATMENT PLANT.

25X1

YOSHKAR-OLA ICBM COMPLEX

UR 5633N 04801E

NO SIGNIFICANT CHANGES IN AREAS OBSERVED. LAUNCH AREAS B (SITE 2) AND C (SITE 3) ARE CLOUD COVERED. LAUNCH AREAS D (SITE 4) AND F (SITE 6) ARE NON-STEREO. LAUNCH AREA A (SITE 1) IS ONLY PARTIALLY STEREO AND ACTIVITY IS APPARENT ON THE RIGHT PAD.

25X1

25X1

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR THE UNIDENTIFIED AREA TO THE NORTH OF THE COMPLEX SUPPORT FACILITY. NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 4), D (SITE 3), E (SITE 5), OR F (SITE 6). THE MOTTLED EFFECT ON THE ROADS AND PADS IS STILL APPARENT AT LAUNCH AREAS A, C, AND D. A MISSILE/TRANSPORTER IS POSITIONED NEXT TO THE EASTERN AND CENTER SILOS AT LAUNCH AREA B.

25X1

CONSTRUCTION CONTINUES AT LAUNCH GROUP G (SITES 7-14,

14

TOP SECRET

25X1
25X1



TOP SECRET



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25X1
25X1

16, 18) AND ALL OF THE SITES EXCEPT G9 (SITE 16), G4 (SITE 10) AND G7 (SITE 13) ARE IN THE LATE STAGE OF CONSTRUCTION.

A NEW POSSIBLE LAUNCH SITE (H10) HAS BEEN IDENTIFIED APPROXIMATELY 8.3 NM SW OF THE COMPLEX SUPPORT FACILITY AT 51-25N 112-52E. THIS TYPE IIID SITE WAS FIRST OBSERVED ON MISSION [REDACTED] IT WAS NOT VISIBLE ON MISSION [REDACTED] PHOTOGRAPHIC QUALITY PRECLUDES DETERMINATION OF CONSTRUCTION STAGE. CONSTRUCTION CONTINUES AT LAUNCH GROUP H (SITES 15, 19-26) AND ALL THE SITES REMAIN IN A MID-STAGE OF CONSTRUCTION.

25X1
25X1

25X1



PERM ICBM COMPLEX

UR 5742N 05619E

LAUNCH AREA E (SITE 5) CAN BE IDENTIFIED ONLY. REMAINDER OF COMPLEX IS CLOUD COVERED OR NOT COVERED.

25X1

25X1



GLADKAYA ICBM COMPLEX

UR 5606N 09214E

LAUNCH AREAS A (SITE 3) AND D (SITE 5) CAN BE IDENTIFIED ONLY. REMAINDER OF COMPLEX IS CLOUD COVERED.

25X1



UZHUR ICBM COMPLEX

UR 5517N 08949E

TEN OF THE 16 LAUNCH AREAS ARE VISIBLE BUT LAUNCH AREA O CAN BE IDENTIFIED ONLY. A DOUBLE FENCE IS BEING CONSTRUCTED AROUND LAUNCH AREA F (SITE 6) AND ANOTHER IS COMPLETE AROUND A (SITE 1). LAUNCH AREA I (SITE 9) IS NOW IN A MID-STAGE OF CONSTRUCTION. LAUNCH AREA M (SITE 13) IS NOW CONFIRMED. LAUNCH AREAS B (SITE 2), C (SITE 3), D (SITE 4), J (SITE 10), L (SITE 12), AND N (SITE 14) ARE CLOUD COVERED. NO OTHER SIGNIFICANT CHANGES OBSERVED.

25X1



25X1

TOP SECRET



25X1
25X1



TOP SECRET



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25X1

25X1

DOMBAROVSKIY ICBM COMPLEX

UR 5100N 05954E



TWO PROBABLE AND 1 POSSIBLE TYPE IIIC LAUNCH AREAS (G, H, AND I) IN EARLY STAGES OF CONSTRUCTION ARE NEWLY OBSERVED ON THIS MISSION. THESE LAUNCH AREAS WERE NOT EVIDENT ON MISSION

25X1

PROBABLE LAUNCH AREA G IS LOCATED APPROXIMATELY 12.2 NM NORTH OF THE COMPLEX SUPPORT FACILITY AT 51-12N 059-50E. IT CONSISTS OF A SHALLOW SQUARE EXCAVATION AND 4 OR 5 BUILDINGS EAST OF THE EXCAVATION.

PROBABLE LAUNCH AREA H IS LOCATED 10.7 NM NW OF THE COMPLEX SUPPORT FACILITY AT 51-09N 059-44E. IT CONSISTS OF A SHALLOW SQUARE EXCAVATION AND SEVERAL SMALL BUILDINGS.

POSSIBLE LAUNCH AREA I IS LOCATED APPROXIMATELY 2.5 NM ENE OF THE COMPLEX SUPPORT FACILITY AT 51-00N 059-55E. IT CONSISTS OF A POSSIBLE EXCAVATION WITHIN A SECURITY FENCE, 2 OR 3 BUILDINGS, AND A LONG, LINEAR GROUND SCAR. LAUNCH AREA I IS COVERED IN NON-STEREO.

NO SIGNIFICANT CHANGES ARE EVIDENT AT THE COMPLEX SUPPORT FACILITY AND LAUNCH AREA E (SITE 6). A LINEAR OBJECT IS APPARENT ON THE RECTANGULAR MOUND AT LAUNCH AREAS A (SITE 4), B (SITE 3), AND C (SITE 2). THE SITES REMAIN IN A MID-STAGE OF CONSTRUCTION. LAUNCH AREA F (SITE 7) CAN BE IDENTIFIED ONLY AND LAUNCH AREA D (SITE 1) IS CLOUD COVERED.

AN AREA OF UNIDENTIFIED CONSTRUCTION ACTIVITY IS LOCATED APPROXIMATELY 3 NM NORTH OF THE COMPLEX SUPPORT FACILITY. IT CONSISTS OF 3 OR 4 LARGE BUILDINGS, SEVERAL SMALLER ONES, AND SOME GROUND SCARRING. IMPROVED ROADS ARE UNDER CONSTRUCTION THROUGHOUT THE COMPLEX.

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS



25X1

PROBABLE LAUNCH AREA G --
PROBABLE LAUNCH AREA H --
POSSIBLE LAUNCH AREA I --



25X1

TOP SECRET



25X1

25X1

TOP SECRET

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25X1
ZDAI

KARTALY ICBM COMPLEX

UR 5302N 06035E

NO SIGNIFICANT CHANGES OBSERVED AT LAUNCH AREAS A (SITE 1), E (SITE 5) OR H (SITE 8) EXCEPT THAT LAUNCH AREA H APPEARS TO BE TRIPLE SECURED.

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT AND LAUNCH AREAS B (SITE 2), C (SITE 3), D (SITE 4), F (SITE 6), G (SITE 7), I (SITE 10), POSSIBLE J, K (SITE 11) AND POSSIBLE L AND M ARE CLOUD COVERED.

25X1

IMENI GASTELLO ICBM COMPLEX

UR 5107N 06618E

LAUNCH AREA K AT 50-52N 065-59E, A NEWLY IDENTIFIED TYPE IIIC LAUNCH AREA, IS IN AN EARLY STAGE OF CONSTRUCTION. IT IS LOCATED APPROXIMATELY 20 NM SW OF THE COMPLEX SUPPORT FACILITY AND CONSISTS OF AN EXCAVATION AND 2 ADJACENT SPOIL PILES. THE EXCAVATION AND SPOIL PILES ARE ENCLOSED BY A HEXAGONAL PROBABLE FENCE. AN AREA OF GROUND SCARRING AND 2 SMALL OBJECTS ARE LOCATED APPROXIMATELY 2,500 FT TO THE WEST, AND ARE CONNECTED TO THE LAUNCH AREA BY TRACK ACTIVITY. THE SITE WAS FIRST SEEN ON THIS MISSION AND WAS NOT VISIBLE ON MISSION

NO SIGNIFICANT CHANGES OBSERVED AT LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 3), AND G (SITE 7). THE COMPLEX SUPPORT FACILITY AND LAUNCH AREAS D (SITE 4), E (SITE 5), F (SITE 6), H (SITE 8), I (SITE 9) AND J (SITE 10) ARE CLOUD COVERED.

25X1

AKHTYRKA MRBM LAUNCH SITE 1

UR 5015N 03450E

A 25-NM SEARCH REVEALS NO HARDENED IRBM SITE SIMILAR TO AREA 4C AT KYMTC IN CLOUD-FREE AREAS. AREA APPROXIMATELY 85 PERCENT CLOUD COVERED.

25X1

TOP SECRET

25X1

25X1

25X1

25X1

25X1
25X1

TOP SECRET

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25X1
25X1

25X1

25X9

ZHURAVKA IRBM LAUNCH SITE

25X1

UR 54325X97640E

25X1

NO NEW CONSTRUCTION OBSERVED SINCE MISSION [REDACTED]
[REDACTED] ONE BUILDING AT THE [REDACTED]
[REDACTED] APPEARS TO HAVE BEEN AT LEAST
PARTIALLY REMOVED SINCE MISSION [REDACTED]

25X1

25X1

TRAKTOVYY IRBM LAUNCH SITE

UR 5325N 06223E

25X1

NO CHANGES IN FACILITIES OR DISMANTLING VISIBLE.

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

UR 4835N 04545E

THE SAM LAUNCH AND SUPPORT FACILITIES, KY AIRFIELD, AND
THE TEST AND SUPPORT COMPLEX ARE COVERED BY
POOR-TO-FAIR QUALITY PHOTOGRAPHY.

25X1

A NEW POSSIBLE LAUNCH AREA UNDER CONSTRUCTION HAS BEEN
IDENTIFIED ON THE SAM FIRING LINE BETWEEN THE PROBABLE
SAM LAUNCH AREA AND THE R&D LAUNCH AREA. THIS NEW
AREA, PREVIOUSLY CALLED AN UNIDENTIFIED SECURED AREA,
HAS HAD AN APPROXIMATELY 100 PERCENT INCREASE IN AREA
SINCE MISSION [REDACTED] THE AREA IS AT LEAST
DOUBLY FENCED AND PRESENTLY CONSISTS OF CONSTRUCTION
ACTIVITY AND SCARRING. NO FURTHER DETERMINATION CAN BE
MADE ON THE FUNCTION OF THE PROBABLE SAM LAUNCH AREA.

25X1

NO APPARENT CHANGE SINCE MISSION [REDACTED] OBSERVED IN THE
REMAINDER OF THE SAM LAUNCH AND SUPPORT FACILITIES.

25X1

AT LEAST 5 STRAIGHT-WING AIRCRAFT ARE PARKED AT KY
AIRFIELD. NO APPARENT CHANGE SINCE MISSION [REDACTED] IS
OBSERVED AT KY AIRFIELD, THE SAM BASE SUPPORT COMPLEX,
AND THE ELECTRONIC SITE NORTH OF THE AIRFIELD.

THE FORMER UNIDENTIFIED CONSTRUCTION ACTIVITY
APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH
COMPLEX IS NOW IDENTIFIED AS A PLUS CONFIGURED
INTERFEROMETER SITE UNDER CONSTRUCTION WITH COARSE AND
FINE MEASURING ANTENNA POSITIONS ON BASE LEGS ORIENTED
APPROXIMATELY N-S AND E-W. A CENTRALLY LOCATED CONTROL
AREA IS CONNECTED BY PROBABLE CABLES/WAVE GUIDES TO THE
ANTENNA POSITIONS. THIS INTERFEROMETER APPEARS

TOP SECRET

25X1
25X1

TOP SECRET

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25X1

IDENTICAL TO THE ONE AT THE TYURATAM MISSILE TEST CENTER BUT IS POSSIBLY MORE ADVANCED IN CONSTRUCTION.

(SEE ATTACHMENT)

25X1

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

ALL FACILITIES ARE COVERED ON FAIR-TO-GOOD QUALITY PHOTOGRAPHY EXCEPT FOR INSTRUMENTATION SITES 6, 7, 8, AND 14, AND THE POSSIBLE FIELD LAUNCH POINT.

25X1

AT AMM/SAM LAUNCH AREA 1, THE DESIGNATION ASSIGNED THE MODIFIED TALLINN-TYPE LAUNCH AREA LOCATED 2.5 NM NORTH OF THE MAIN SUPPORT BASE AT 46-05-20N 073-27-00E. NO SIGNIFICANT CHANGE HAS TAKEN PLACE IN THE 4 DAY PERIOD SINCE MISSION [REDACTED]. A PROBABLE BACKNET RADAR IS ON EACH OF THE 3 POSITIONS IN THE ELECTRONIC SITE. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTRAL GUIDANCE/CONTROL POSITIONS OF LAUNCH SITES A AND C IS [REDACTED] DEGREES

25X1

25X1

25X1

PROBABLE LAUNCH AREA A, THE DESIGNATION ASSIGNED THE PROBABLE LAUNCH AREA UNDER CONSTRUCTION APPROXIMATELY 2.5 NM TO THE NW OF AMM/SAM LAUNCH AREA 1, IS SITUATED AT 46-06-40N 073-23-00E. ADDITIONAL SCRAPING AND GRADING HAS TAKEN PLACE SINCE MISSION [REDACTED] AT BOTH PROBABLE LAUNCH SITES. TWO PROBABLE BACKNETS AND 2 PROBABLE SIDENETS ARE POSITIONED IN THE ELECTRONIC SITE. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTER OF THESE 2 PROBABLE LAUNCH SITES IS [REDACTED] DEGREES.

25X1

25X1

25X1

NO SIGNIFICANT CHANGE IS OBSERVED SINCE MISSION [REDACTED] IN AMM/SAM LAUNCH AREA 2, A DESIGNATION ASSIGNED THE MODIFIED TALLINN-TYPE LAUNCH AREA JUST SW OF LAUNCH COMPLEX A (SITE 2B30) AND SITUATED AT 46-22-40N 072-52-00E. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE DRAWN BETWEEN THE CENTRAL GUIDANCE/CONTROL POSITIONS OF THE 2 LAUNCH SITES IS [REDACTED]

25X1

TWO BACKNETS AND 2 SIDENETS ARE IDENTIFIED IN THE ELECTRONIC SITE AT PROBABLE LAUNCH AREA B, THE DESIGNATION ASSIGNED TO THE PROBABLE LAUNCH AREA UNDER

TOP SECRET

25X1

25X1

[Redacted]

TOP SECRET

[Redacted]

25X1

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CONSTRUCTION APPROXIMATELY 4,000 FT EAST OF THE MISSILE STORAGE AREA AT LAUNCH COMPLEX A AND SITUATED AT 46-25-50N 072-56-10E. THE AZIMUTH OF A PERPENDICULAR BISECTOR OF A LINE BETWEEN THE CENTER OF THE 2 PROBABLE LAUNCH SITES IS [Redacted]

25X1

25X1

AT LAUNCH COMPLEX A, NO SIGNIFICANT CHANGE IS OBSERVED SINCE MISSION [Redacted] AT LAUNCH SITES 1 THROUGH 6 OR ELECTRONIC SITES A, B, D, AND E. THE 50-FT DOME IS NO LONGER PRESENT IN THE AREA 800 FT NW OF THE CONTROL CENTER AT ELECTRONIC SITE C. THREE NEW VANS, POSSIBLY RADAR, ARE OBSERVED AT ELECTRONIC SITE F. THE AIRSTRIP AT LAUNCH COMPLEX A IS BEING EXTENDED AT THE SW END TO APPROXIMATELY 13,740 FT.

FACILITIES REMAIN UNCHANGED AT LAUNCH COMPLEX B (SITE 1B14) SINCE MISSION [Redacted]

25X1

POOR IMAGE QUALITY, OBLIQUITY, AND NON-STEREO COVERAGE PRECLUDE A DETAILED INTERPRETATION OF THE CURRENT STATUS OF THE TRIAD AND THE DUAL HEN HOUSE-TYPE STRUCTURES AT SITE 13. FIVE SMALL AIRCRAFT-TYPE OBJECTS (4 POSSIBLY SWEEP-WING, 1 POSSIBLY STRAIGHT-WING) ARE PARKED NEAR THE SUPPORT AREA OF THE LONG DIRT STRIP. UNIDENTIFIED CONSTRUCTION ACTIVITY IS NOTED IN THE SE SECTOR OF THE NEW HOUSING AREA IN THE MAIN SUPPORT BASE. POOR IMAGE QUALITY PRECLUDES DETAILS ON THE 2 E-SHAPED BUILDINGS AT INSTRUMENTATION SITE 15 AND ON THE SINGLE E-SHAPED BUILDING AT THE UNIDENTIFIED FACILITY AT 47-12-40N 068-22-40E.

25X1

NO SIGNIFICANT CHANGES ARE OBSERVED SINCE MISSION [Redacted] AT THE HEN HOUSE ANTENNA, HEN ROOST ANTENNAS, PRIMARY AIRFIELD, NEW ROAD, NEW AIRSTRIP, SAM TRAINING SITE, AND INSTRUMENTATION SITES 1, 2, 3, 4, 5, 9, 10, 11, AND 12.

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS [Redacted]

- AMM/SAM LAUNCH AREA [Redacted]
- AMM/SAM LAUNCH AREA [Redacted]
- PROBABLE LAUNCH AREA [Redacted]
- PROBABLE LAUNCH AREA [Redacted]
- LAUNCH COMPLEX A -- [Redacted]
- LAUNCH COMPLEX B -- [Redacted]
- SITE 13 -- [Redacted]
- LONG DIRT [Redacted]

25X1

25X1

20

TOP SECRET

[Redacted]

[Redacted]

25X1

25X1

[Redacted]

TOP SECRET

[Redacted]

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25X1

25X1

[Redacted]

25X1

MAKAT FIELD LAUNCH POINT (MRBM)

UR 4758N 05342E

[Redacted]

25X1

NO APPARENT CHANGE IN THE LAUNCH POINT, INSTRUMENTATION SITES, SUPPORT BASE, AND AIRFIELD SINCE MISSION [Redacted] [Redacted] VEHICLES ARE DISCERNIBLE IN THE SUPPORT BASE AND NEARBY ELECTRONICS AREA. NO AIRCRAFT OBSERVED ON AIRFIELD.

25X1

ACTIVITY OBSERVED IN THE MISSILE CHECKOUT AREA CONSISTS OF A PROBABLE READY TENT AND AT LEAST 5 VEHICLES/PIECES OF EQUIPMENT. A PROBABLE MISSILE EXERCISE IS SEEN AT THE LAUNCH POINTS, WITH 5 VEHICLES/PIECES OF EQUIPMENT AND A POSSIBLE ERECTOR IN PLACE.

25X1

[Redacted]

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

[Redacted]

THE TEST CENTER, WITH THE EXCEPTION OF THE POSSIBLE SA-2 SAM SITE AND SHUANG-CHENG-TZU AIRFIELD, IS COVERED BY CLEAR, POOR-TO-FAIR QUALITY PHOTOGRAPHY.

FOUR SMALL STRUCTURES HAVE BEEN ADDED ADJACENT TO NEW DITCHES/TRENCHES EXTENDING FURTHER INTO THE HILLS FROM THE UNIDENTIFIED INSTALLATION WNW OF THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA. NO APPARENT CHANGE SINCE MISSION [Redacted] IN THE REMAINDER OF THE MISSILE TEST CENTER.

25X1

THE EASTERN 65 PERCENT OF THE 50-NM SEARCH AREA IS COVERED BY FAIR-TO-GOOD QUALITY PHOTOGRAPHY WITH LESS THAN 1 PERCENT CLOUD COVER. NO NEW SAM ACTIVITY OBSERVED.

25X1

[Redacted]

25X1

SHUMYACHI SUSPECT MISSILE AREA

UR 5348N 03228E

[Redacted]

AREA OF UNIDENTIFIED ACTIVITY IS CLOUD-COVERED. HEAVY CLOUDS COVER APPROXIMATELY 90 PERCENT OF 25-NM SEARCH

21

TOP SECRET

[Redacted]

[Redacted]

25X1

25X1

TOP SECRET

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25X1

AREA. NO NEW MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS.

25X1

BALABANOVO SUSPECT MISSILE ACTIVITY UR 5511N 03640E

HEAVY CLOUDS AND HAZE COVER APPROXIMATELY 90 PERCENT OF THE 25-NM SEARCH AREA. CLOUD-FREE PORTIONS ARE POOR QUALITY. NO SSM ACTIVITY OBSERVED.

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

TWO NEW POSSIBLE PONTOON PIERS HAVE BEEN CONSTRUCTED AT THE WESTERN END OF THE BASIN AREA ON SOUTH SIDE OF ESTUARY. THE JETTY AT THE MOUTH OF NIKOLSKOYE ESTUARY APPEARS COMPLETED. THE DISTANCE ACROSS THE CHANNEL BETWEEN THE END OF THE JETTY AND THE TIP OF YAGRY ISLAND IS APPROXIMATELY 730 FT. NO DREDGING ACTIVITY OBSERVED. CONSTRUCTION ACTIVITY CONTINUES ON THE VERTICAL TANKS AT THE PROBABLE SUBMARINE SUPPORT FACILITY, YAGRY ISLAND. NO OTHER CHANGES IN FACILITIES SINCE MISSION

25X1

VESSLS IN MAIN LAUNCH BASIN IN FRONT OF THE LARGEST (OLD) CONSTRUCTION HALL -- 1 FLOATING DOCK OCCUPIED BY A PARTIALLY CANVAS- OR SHED-COVERED PROBABLE H-CLASS SSBN AND 1 UNIDENTIFIED VESSEL (LOA APPROXIMATELY 355 FT). BOTH OF THESE VESSELS ARE LOCATED ON THE UNFLOODED LAUNCHWAY AREA (THE SHALLOW BASIN) DIRECTLY IN FRONT OF THE CONSTRUCTION HALL DOORS. THE PROBABLE H-CLASS SSBN IN THE FLOATING DOCK APPEARS TO BE THE SAME SUBMARINE AS THE H-CLASS SSBN PREVIOUSLY OBSERVED IN A FLOATING DOCK BY THE NEW WET DOCK FACILITY UNDER CONSTRUCTION AT YAGRY ISLAND ON MISSION. IF SO, A PORTION OF THE AFTER SHEDS OR CANVAS COVERING HAS BEEN REMOVED SINCE MISSION. A POSSIBLE BARGE IS LOCATED DIRECTLY ALONGSIDE, AND AMIDSHIPS OF, THE UNIDENTIFIED 355-FT VESSEL. TWO POSSIBLE BARGES AND SEVERAL UNIDENTIFIED SMALL OBJECTS ARE FLOATING IN THE DEEP BASIN. ONE OVERHEAD POSSIBLE STEAM LINE AND 1 POSSIBLE OVERHEAD LINE CONNECT THE FLOATING DOCK AND 1 OF THE FLOATING BARGES -- THESE LINES SPAN A DISTANCE OF APPROXIMATELY 300 FT.

25X1

25X1

22

TOP SECRET

25X1

25X1

TOP SECRET

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25X1
25X1

25X1

25X1

25X1

VESSELS ALONGSIDE SOUTH (MAIN) QUAY -- 1 POSSIBLE E-CLASS SSGN IN BERTHING SPACE CLOSEST TO THE CAISSON OF THE MAIN LAUNCH BASIN. (THIS BERTHING SPACE WAS UNOCCUPIED ON MISSION [REDACTED]) TWO UNIDENTIFIED LARGE SS AND 1 POSSIBLE UNIDENTIFIED LARGE SS ARE IN THE SAME BERTHING SPACES PREVIOUSLY OCCUPIED BY 3 E-II-CLASS SSGN ON MISSION [REDACTED]. ONE UNIDENTIFIED SS (LOA APPROXIMATELY 355 FT) IS IN FLOATING DOCK AT RIGHT ANGLE TO QUAY. BERTHED OUTBOARD OF, AND PARALLEL TO, THE FLOATING DOCK ARE 1 POSSIBLE MEDIUM UNIDENTIFIED SS AND A SURFACE AUXILIARY. ONE POSSIBLE NOVEMBER-CLASS SSN AND 1 UNIDENTIFIED SS ARE NESTED ALONG SOUTH QUAY AT SPACE PREVIOUSLY OCCUPIED BY A NOVEMBER-CLASS SSN ON MISSION [REDACTED]. AN UNIDENTIFIED LARGE POSSIBLE SS IS BERTHED AT THE WESTERN END OF THE SOUTH QUAY. A BARGE OCCUPIED THIS SPACE ON MISSION [REDACTED]. A PROBABLE E-CLASS SSGN IS DEAD IN THE WATER IN THE MIDDLE OF THE ESTUARY.

25X1

25X1

VESSELS AT THE NEW (WESTERN) CONSTRUCTION HALL ON THE SOUTH SIDE OF THE ESTUARY -- THE 305-FT UNIDENTIFIED OBJECT SEEN ON THE CRADLE IN THE LAUNCHWAY ON MISSION [REDACTED] IS IN THE SAME POSITION. PLACED PARALLEL TO AND APPROXIMATELY 55 FT FROM THIS OBJECT IS AN IDENTICAL 305-FT OBJECT POSSIBLY POSITIONED OVER THE EDGE OF THE WATER IN THE LAUNCHING BASIN. BOTH OF THE 305-FT OBJECTS ARE PLACED DIRECTLY IN LINE AND ARE APPARENTLY CONNECTED TO ONE ANOTHER BY MEANS OF 2 LARGE ARCHED STRUCTURES WHICH WERE PREVIOUSLY OBSERVED TO HAVE BEEN STOWED AT THE CORNER OF THE CONSTRUCTION HALL QUAY ON MISSION [REDACTED].

25X1

25X1

VESSELS AT THE WESTERNMOST BASIN AREA ON THE SOUTH SIDE OF THE ESTUARY -- 8 UNIDENTIFIED POSSIBLE SC ON THE QUAY IN THE SAME POSITION AS SIGHTED ON MISSION [REDACTED]. 1 PROBABLE DDG BERTHED IN THE SAME POSITION; ALTHOUGH TURNED AROUND, AS THE KYNDA-CLASS DDGS OBSERVED ON MISSION [REDACTED]. 1 POSSIBLE DE, AND SEVERAL SMALL SERVICE CRAFT.

25X1

VESSELS AT THE EASTERN QUAY OF THE SHIPYARD (OPPOSITE SIDE OF ESTUARY FROM NEW WET DOCK FACILITY AT YAGRY ISLAND) -- 1 PROBABLE J-CLASS SSG AND 1 UNIDENTIFIED SS BERTHED IN THE IDENTICAL POSITIONS AS 2 J-CLASS SSG OBSERVED ON MISSION [REDACTED] AND 4 UNIDENTIFIED SURFACE VESSELS.

25X1

VESSELS AT NEW WET DOCK FACILITY UNDER CONSTRUCTION, YAGRY ISLAND -- 1 PROBABLE G-CLASS SSB NEAR SAME

23

TOP SECRET

25X1

25X1

[Redacted]

TOP SECRET

[Redacted]

25X1

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25X1

POSITION AS G-CLASS SSB SIGHTED ON MISSION [Redacted] AND 1 POSSIBLE DE MEDITERRANEAN-MOORED TO QUAY.

AT NAVAL BASE, YAGRY ISLAND -- 1 POSSIBLE MEDIUM UNIDENTIFIED SS, 2 DE, 1 APL, 1 PROBABLE SC, AND 2 TARGET BARGES OFF SHORE.

AT PROBABLE SUBMARINE SUPPORT FACILITY, WESTERN TIP OF YAGRY ISLAND -- 1 LARGE UNIDENTIFIED SS BERTHED IN IDENTICAL POSITION AS E-CLASS SSGN ON MISSION [Redacted] 1 UNIDENTIFIED SURFACE AUXILIARY BERTHED IN SAME POSITION AS NOVEMBER-CLASS SSN PREVIOUSLY OBSERVED ON MISSION [Redacted] 1 BARGE, AND 2 POSSIBLE SERVICE CRAFT.

25X1

25X1

(SEE ATTACHMENT)

[Redacted]

25X1

MOSCOW SUSPECT ABM AREA

UR 5545N 03737E [Redacted]

25X1

APPROXIMATELY 35 PERCENT OF 75-NM-RADIUS SEARCH AREA OBSERVED ON SCATTERED-TO-HEAVY CLOUD-COVERED PHOTOGRAPHY. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE INSTALLATIONS, ELECTRONIC FACILITIES, [Redacted]

[Redacted]

25X9

25X9

AT SA-1 SAM SITE E05-1, THE ENVIRONMENTAL SHELTER ON THE ROOF OF THE EASTERN SMALL TRIAD BUILDING HAS BEEN COMPLETED SINCE MISSION [Redacted] A RING FRAME IS OBSERVED FOR THE FIRST TIME ADJACENT TO THE SOUTH WALL OF THE OTHER SMALL TRIAD BUILDING. NO SIGNIFICANT CHANGES NOTED SINCE MISSION [Redacted] AT THE SECOND TRIAD FACILITY WHERE CONSTRUCTION IS CONTINUING AT ALL 3 BUILDINGS SITES. AT SA-1 SAM SITE E24-1, THE ENVIRONMENTAL SHELTER ON THE EASTERN SMALL TRIAD HAS BEEN COMPLETED SINCE MISSION [Redacted] NO OTHER CHANGES OBSERVED THROUGH THE SCATTERED CLOUDS THAT COVER THE SITE. AT SA-1 SAM SITE E33-1, THE SPHEROIDAL-SHAPED ENVIRONMENTAL SHELTER ON THE ORIGINAL LARGE TRIAD BUILDING HAS NOT YET BEEN COMPLETED. CONSTRUCTION CONTINUES ON THE SECOND TRIAD FACILITY WITH ROOFS PARTIALLY COMPLETED ON ALL 3 BUILDINGS. NO SIGNIFICANT CHANGES DISCERNIBLE THROUGH THE CLOUDS AT THE PROBABLE TRIAD UNDER CONSTRUCTION NORTH OF SA-1 SAM SITE E31-1.

25X1

25X1

25X1

NO APPARENT CHANGE OBSERVED THROUGH THE CLOUDS SINCE MISSION [Redacted] AT THE FOLLOWING SA-1 SAM SITES --C02-1,

25X1

24

[Redacted]

25X1

25X1

TOP SECRET

[Redacted]



TOP SECRET



25X1

MISSION 1022-2 24-28 JULY 1965

C04-1, C05-1, C07-1, C08-1, C09-1, C10-1, C12-1, C14-1, C16-1, C17-1, C19-1, C20-1, C22-1, C24-1, C27-1, C28-1, C30-1, C33-1, C35-1, C36-1, E01-1, E02-1, E03-1, E04-1, E06-1, E07-1, E08-1, E10-1, E18-1, E19-1, E20-1, E21-1, E22-1, E23-1, E25-1, E27-1, E28-1, E30-1, E32-1, E34-1, E35-1, AND E36-1. THE REMAINDER OF THE SA-1 SAM SITES ARE CLOUD COVERED.

25X1

(SEE ATTACHMENT)



25X1

BRATSK SUSPECT ABM AREA

UR 5654N 10030E



SEARCH AREA IS COMPLETELY COVERED ON PASS NO ABM ASSOCIATED FACILITIES OBSERVED IN CLOUD-FREE AREAS.



25X1

25X1

25

TOP SECRET



25X1

25X1

**Air
Facilities**

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

AIR FACILITIES

25X1

POLTAVA AIRFIELD

UR 4937N 03429E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- 40 PROBABLE BADGER, 2 POSSIBLE BADGER, 1 POSSIBLE BULL, AND 1 POSSIBLE BEAGLE.

25X1

ARKHANGELSK/KHOLM AIRFIELD

UR 6423N 04043E

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.

AIRCRAFT -- 23 BADGER, 4 BEAGLE, 1 COOT, AND 3 CAB AT AIRFIELD AND 1 BEAGLE, 6 MEDIUM STRAIGHT-WING, AND 4 LIGHT STRAIGHT-WING AT SEAPLANE BASE.

25X1

NIKOLAYEV/KULBAKINO AIRFIELD

UR 4656N 03205E

NO NEW CONSTRUCTION ACTIVITY OBSERVED.

AIRCRAFT -- 45 PROBABLE BADGER AND 3 POSSIBLE UNIDENTIFIED AIRCRAFT.

25X1

SARY-SHAGAN AIRFIELD

UR 4601N 07330E

AT SARY-SHAGAN BASE SUPPORT AREA. 10,000 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. NO NEW CONSTRUCTION OBSERVED.

AIRCRAFT -- 15 BADGER, 4 MEDIUM STRAIGHT-WING, 9 LIGHT STRAIGHT-WING, 17 SMALL STRAIGHT-WING, AND AT LEAST 52 SMALL SWEEP-WING ON PARKING APRON AND GRASS NORTH OF RUNWAY AND 2 BADGER IN MAINTENANCE AREA.

25X1

26

TOP SECRET

25X1

25X1



TOP SECRET



MISSION 1022-2 24-28 JULY 1965

25X1

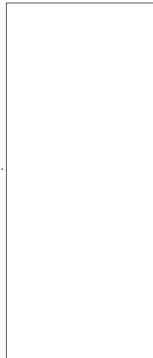
KAZAN AIRFRAME PLANT GORBUNOV 22

UR 5552N 04907E

A NEW PROBABLE 4-STORY ADMINISTRATION/ENGINEERING BUILDING IS UNDER CONSTRUCTION ADJACENT TO THE NE TAXIWAY.

AIRCRAFT -- 11 PROBABLE BLINDER, 12 PROBABLE BADGER, 5 CAB, AND 3 SMALL STRAIGHT-WING.

25X1



25X1

HAI-KOU AIRFIELD

CH 2001N 11021E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] NO RADAR OBSERVED.

25X1



25X1

AIRCRAFT -- AT LEAST 25 SMALL PROBABLE FIGHTERS.

25X1



25X1

LING-SHUI AIRFIELD

CH 1830N 10959E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1



AIRCRAFT -- AT LEAST 16 SMALL POSSIBLE SWEEP-WING.

25X1

25X1

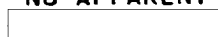


LIU-CHOU AIRFIELD

CH 2417N 10923E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1



AIRCRAFT -- NONE OBSERVED.

25X1



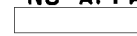
25X1

MENG-TZU AIRFIELD WEST

CH 2324N 10319E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1



AIRCRAFT -- AT LEAST 25 UNIDENTIFIED SMALL AIRCRAFT.

25X1

25X1

TOP SECRET



25X1

25X1

[Redacted]

TOP SECRET
MISSION 1022-2 24-28 JULY 1965

[Redacted]

25X1

25X1

[Redacted]

LEI-PEI AIRFIELD

CH 2124N 11012E

[Redacted]

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1

25X1

SMALL SCALE AND POOR QUALITY PRECLUDE DETERMINATION OF OCCUPANCY AND/OR OPERATIONAL STATUS OF LEI-PEI POSSIBLE SAM SITE. NO APPARENT CHANGE SINCE MISSION

25X1

AIRCRAFT -- NONE OBSERVED.

25X1

[Redacted]

25X1

WU-KUNG AIRFIELD

CH 3417N 10815E

[Redacted]

AIRCRAFT -- 1 BADGER, 13 BULL, 1 PROBABLE BEAGLE, AND 1 SMALL STRAIGHT-WING.

25X1

[Redacted]

HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG

CH 3417N 10815E

25X1

NO APPARENT CHANGES OR NEW CONSTRUCTION SINCE MISSION

[Redacted]

25X1

AIRCRAFT ARE REPORTED UNDER COMOR NO

25X1

[Redacted]

25X1

LHASA AIRFIELD

TI 3030N 09107E

[Redacted]

55 NM NORTH OF LHASA ON NORTH SIDE OF THE TA-MU HO (RIVER)
TWO RUNWAYS IN A V-PLAN -- 10,250 BY 200 FT NE/SW GRADED EARTH, SERVICEABLE WITH A 1,645-FT OVERRUN, AND A 11,585 BY 135 FT ENE/WSW ASPHALT WITH 6,575-FT GRADED EARTH OVERRUN, SERVICEABLE.

FACILITIES INCLUDE A GRADED EARTH TAXIWAY FROM THE NE END OF THE NE/SW RUNWAY TO A PARKING APRON AND A NEW ASPHALT TAXIWAY EXTENDING FROM THE ENE END OF THE ENE/WSW RUNWAY TO THE NE/SW RUNWAY. A SUPPORT AREA IMMEDIATELY SOUTH CONTAINS AT LEAST 15 BUILDINGS

TOP SECRET

[Redacted]

[Redacted]

25X1
25X1

TOP SECRET

MISSION 1022-2 24-28 JULY 1965

25X1

(INCLUDING AN OPERATIONS BUILDING WITH CONTROL TOWER AND A SMALL COMMUNICATIONS FACILITY (RHOMBIC ANTENNA-TYPE). A SECURED BARRACKS AND SUPPORT/STORAGE AREA CONTAINING AT LEAST 65 BUILDINGS IS LOCATED SE OF THE SUPPORT AREA. ACROSS THE TA-MU HO IS AN ADDITIONAL SUPPORT/STORAGE AREA CONTAINING AT LEAST 40 BUILDINGS.

AIRCRAFT -- NONE OBSERVED.

(SEE ATTACHMENT)

25X1

25X1

NAN-NING AIRFIELD SOUTH

CH 2236N 10810E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1

AIRCRAFT -- AT LEAST 25 SMALL PROBABLE SWEPT-WING AND 1 LIGHT STRAIGHT-WING.

CHIA-LAI-SHIH AIRFIELD UNDER CONSTRUCTION CH 1942N 10944E

2.5 NM SE OF CHIA-LIA-SHIH.
6,655 X 100 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.

FACILITIES INCLUDE A PARALLEL TAXIWAY WITH 2 END-CONNECTING LINKS, 2 CROSSOVER LINKS, 2 ALERT APRONS, 2 PARKING APRONS, 12 REVETTED HARDSTANDS, AND ADDITIONAL HARDSTANDS UNDER CONSTRUCTION. TWO SUPPORT AREAS CONTAIN AT LEAST 49 BUILDINGS. AIRFIELD CONSTRUCTION APPEARS TO BE NEARING COMPLETION. NO RADAR OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- NONE OBSERVED.

25X1

TOP SECRET

25X1

25X1

25X2

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**Electronics/
Communications**



TOP SECRET
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25X1
25X1

ELECTRONICS/COMMUNICATIONS

SHUANG-CHENG-TZU MTR POSS DN RGE INSTR PT CH 4159N 09608E



NO INSTRUMENTATION SITE, EQUIPMENT, OR
MISSILE-ASSOCIATED ACTIVITY OBSERVED IN THE SEARCH AREA
WHICH IS APPROXIMATELY 65 PERCENT OBSCURED BY SCATTERED
CLOUDS AND CLOUD SHADOW.

25X1



DZARDZHAN TALL KING FACILITY

UR 6844N 12401E BONUS 1

1 NM NORTH OF DZARDZHAN.

SINGLY SECURED FACILITY CONTAINS 1 TALL KING ANTENNA, 1
ANTENNA BUILDING, 1 SUPPORT BUILDING, 1 GENERATOR
BUILDING, AND APPROXIMATELY 5 HORIZONTAL FUEL STORAGE
TANKS.

A SUPPORT AREA WITH APPROXIMATELY 6 BUILDINGS IS
LOCATED 1 NM SSE OF THE TALL KING.



25X1

TOP SECRET



25X1
25X1

**Other
Activity**

Page Denied

Index

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MISSION 1022-2 24-28 JULY 1965

25X1

INDEX OF COMOR TARGETS

COMOR	INSTALLATION NAME	CTY	COORDINATES	DAK
	PLESETSK ICBM COMPLEX	UR	6254N 04038E	2
	YURYA ICBM COMPLEX	UR	5904N 04918E	2
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06024E	2
	TYURATAM MISSILE TEST CENTER	UR	4538N 06317E	2
	YOSHKAR-OLA ICBM COMPLEX	UR	5633N 04801E	2
	DROVYANAYA ICBM COMPLEX	UR	5131N 11300E	2
	PERM ICBM COMPLEX	UR	5742N 05619E	2
	GLADKAYA ICBM COMPLEX	UR	5606N 09214E	2
	UZHUR ICBM COMPLEX	UR	5517N 08949E	2
	DOMBAROVSKIY ICBM COMPLEX	UR	5100N 05954E	2
	KARTALY ICBM COMPLEX	UR	5302N 06035E	2
	IMENI GASTELLO ICBM COMPLEX	UR	5107N 06618E	2
	KARA-BABAU IRBM LAUNCH SITE 2	UR	4431N 07758E	1
	AKHTYRKA MRBM LAUNCH SITE 1	UR	5015N 03450E	2
	ZHURAVKA IRBM LAUNCH SITE	UR	5436N 07640E	2
	TRAKTOVYY IRBM LAUNCH SITE	UR	5325N 06223E	2
	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	2
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	2
	MAKAT FIELD LAUNCH POINT (MRBM)	UR	4758N 05342E	2
	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	2
	ZAGORSK ROCKET ENGINE TEST FACILITY	UR	5625N 03810E	1
	VORONEZH ROCKET ENGINE TEST FACILITY	UR	5134N 03908E	1
	KAZAN AIRCRAFT ENGINE PLANT 16	UR	5551N 04907E	1
	PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH	3950N 11608E	1
	STERLITAMAK ROCKET MOTOR TEST FACILITY	UR	5341N 05558E	1
	UFA STATIC TEST FACILITY	UR	5459N 05604E	1
	KAMENSK-SHAKHTINSKIY RKT MOTOR TEST FAC	UR	4819N 04016E	1
	ZHDANOV SUSPECT ANTI-SATELLITE LNCH FAC	UR	4705N 03730E	1
	OSTROG PROB INDUSTRIAL INSTALLATION	UR	5025N 02631E	1
	SHUMYACHI SUSPECT MISSILE AREA	UR	5348N 03228E	2
	BALABANOVO SUSPECT MISSILE ACTIVITY	UR	5511N 03640E	2
	SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR	6434N 03949E	2
	KOMSOMOLSK SHIPYARD AMUR 199	UR	5033N 13702E	1
	VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	UR	4306N 13156E	1
	PETROVKA SHIPYARD	UR	4307N 13220E	1
	SOVETSKAYA GAVAN SUBMARINE BASE	UR	4902N 14016E	1
	SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR	4858N 14017E	1
	MOSCOW SUSPECT ABM AREA	UR	5545N 03737E	2
	BRATSK SUSPECT ABM AREA	UR	5654N 10030E	2
	ANGARSK DUAL HEN HOUSE-TYPE ACTIVITY	UR	5253N 10315E	1
	CHEREPOVETS AMM/SAM LAUNCH COMPLEX	UR	5906N 03810E	1
	DOLON AIRFIELD	UR	5032N 07912E	1
	BARANOVICHI AIRFIELD	UR	5306N 02603E	1
	MOZDOK AIRFIELD	UR	4347N 04436E	1
	POLTAVA AIRFIELD	UR	4937N 03429E	2

25X1

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25X1

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25X1

TIKSI AIRFIELD	UR 7141N 12853E 1
ALEKSEYEVKA AIRFIELD	UR 4915N 14014E 1
USSURIYSK/VOZDVIZHENKA AIRFIELD	UR 4355N 13156E 1
KALININ AIRFIELD	UR 5649N 03545E 1
ARKHANGELSK/KHOLM AIRFIELD	UR 6423N 04043E 2
ARTEM AIRFIELD NORTH	UR 4323N 13209E 1
NIKOLAYEV/KULBAKINO AIRFIELD	UR 4656N 03205E 2
SARY-SHAGAN AIRFIELD	UR 4601N 07330E 2
KIPELOVO AIRFIELD	UR 5911N 03907E 1
KAZAN AIRFRAME PLANT GORBUNOV 22	UR 5552N 04907E 2
RAMENSKOYE FLIGHT TEST CENTER	UR 5533N 03808E 1
HAI-KOU AIRFIELD	CH 2001N 11021E 2
LING-SHUI AIRFIELD	CH 1830N 10959E 2
LIU-CHOU AIRFIELD	CH 2417N 10923E 2
MENG-TZU AIRFIELD WEST	CH 2324N 10319E 2
LEI-PEI AIRFIELD	CH 2124N 11012E 2
WU-KUNG AIRFIELD	CH 3417N 10815E 2
HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG	CH 3417N 10815E 2
LHASA AIRFIELD	TI 3030N 09107E 2
NAN-NING AIRFIELD SOUTH	CH 2236N 10810E 2
PING-YUAN-CHIEH AIRFIELD U/C	CH 2342N 10350E 1
CHIA-LAI-SHIH AIRFIELD UNDER CONSTRUCTION	CH 1942N 10944E 2

25X2

CHAN-CHIANG NAVAL BASE	CH 2112N 11025E 1
YU-LIN NAVAL BASE AND PORT	CH 1813N 10931E 1
HAI-KOU PORT AND NAVAL BASE	CH 2001N 11016E 1
BALAKLAVA SUBMARINE BASE	UR 4430N 03336E 1
NIKOLAYEV SHIPYARD NOSENKO 444	UR 4657N 03159E 1
NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445	UR 4659N 03201E 1
SEVASTOPOL NVL B & SHPYD SEVMORZAVOD 497	UR 4436N 03332E 1
KRASNOARMEYSK AREA CANAL LOCKS	UR 4825N 04429E 1

25X2

ARKHANGELSK HF COMMUNICATIONS FACILITY	UR 6418N 04038E 1
NARO-FOMINSK SUSP AMM PHASED-ARRAY RADAR	UR 5529N 03641E 1
GALENKI ELECTRONIC FACILITY	UR 4403N 13145E 1
SHUANG-CHENG-TZU MTR POSS DN RGE INSTR PT	CH 4159N 09608E 2
MENG-TZU INF DIV HQS & ARMY BARRACKS WEST	CH 2322N 10323E 1
KUEI-LING ARMY BARRACKS	CH 2511N 11020E 1
KAI-YUAN ARMY BARRACKS NORTHEAST	CH 2343N 10315E 1

25X1

37

TOP SECRET

25X1
25X1

[Redacted]

TOP SECRET

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[Redacted]

25X1
25X1

MISSION 1022-2 24-28 JULY 1965

25X1

[Redacted]

**KUN-MING COMPLEX
WEN-SHAN COMPLEX**

**CH 2504N 10241E 1
CH 2322N 10415E 1**

[Redacted]

25X2

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TOP SECRET

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[Redacted]

25X1

25X1

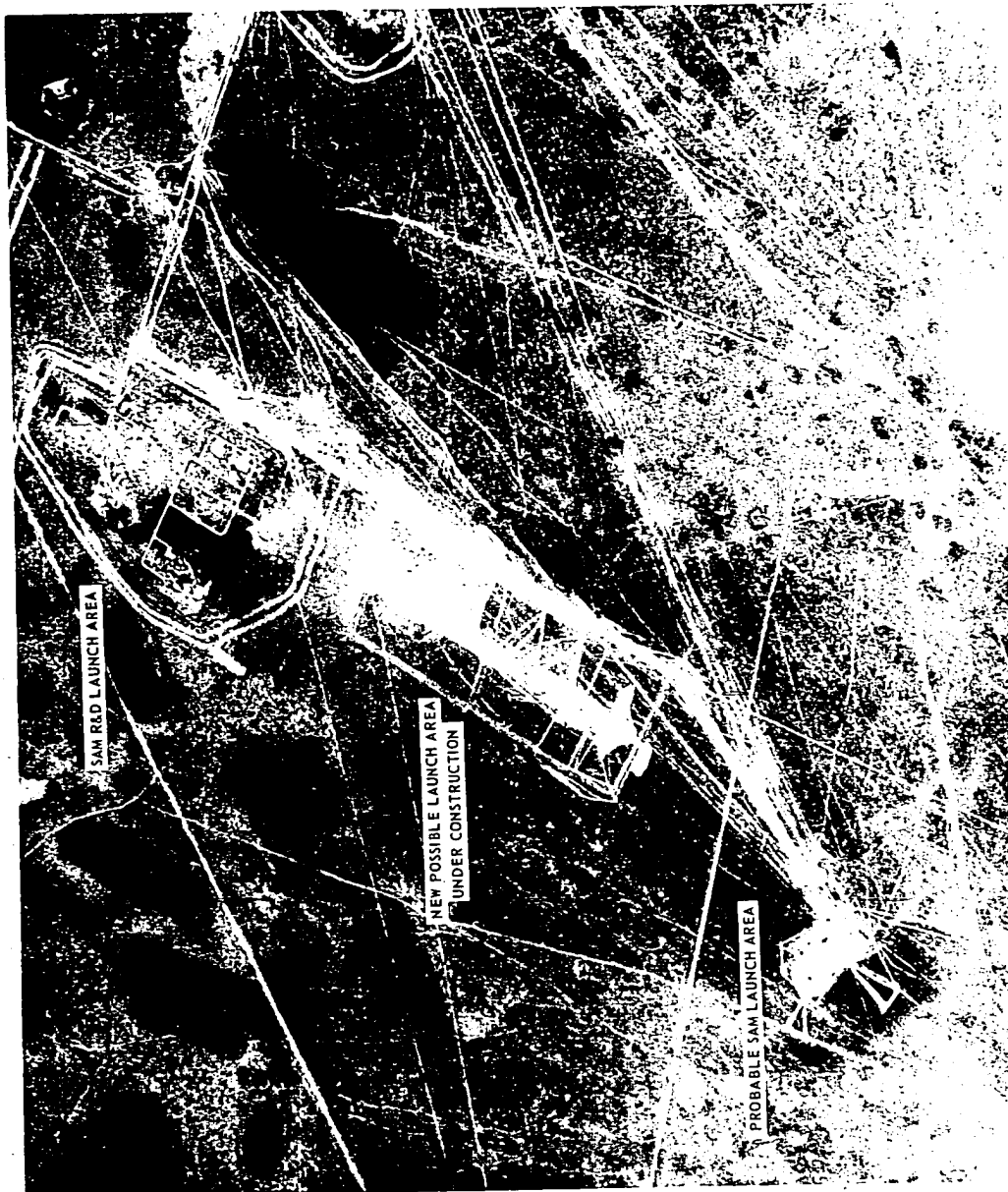
Attachments

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MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 1

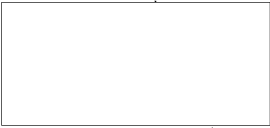
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POSSIBLE LAUNCH AREA, KAPUSTIN YAR VLADIMIROVKA MISSILE TEST CENTER, USSR.

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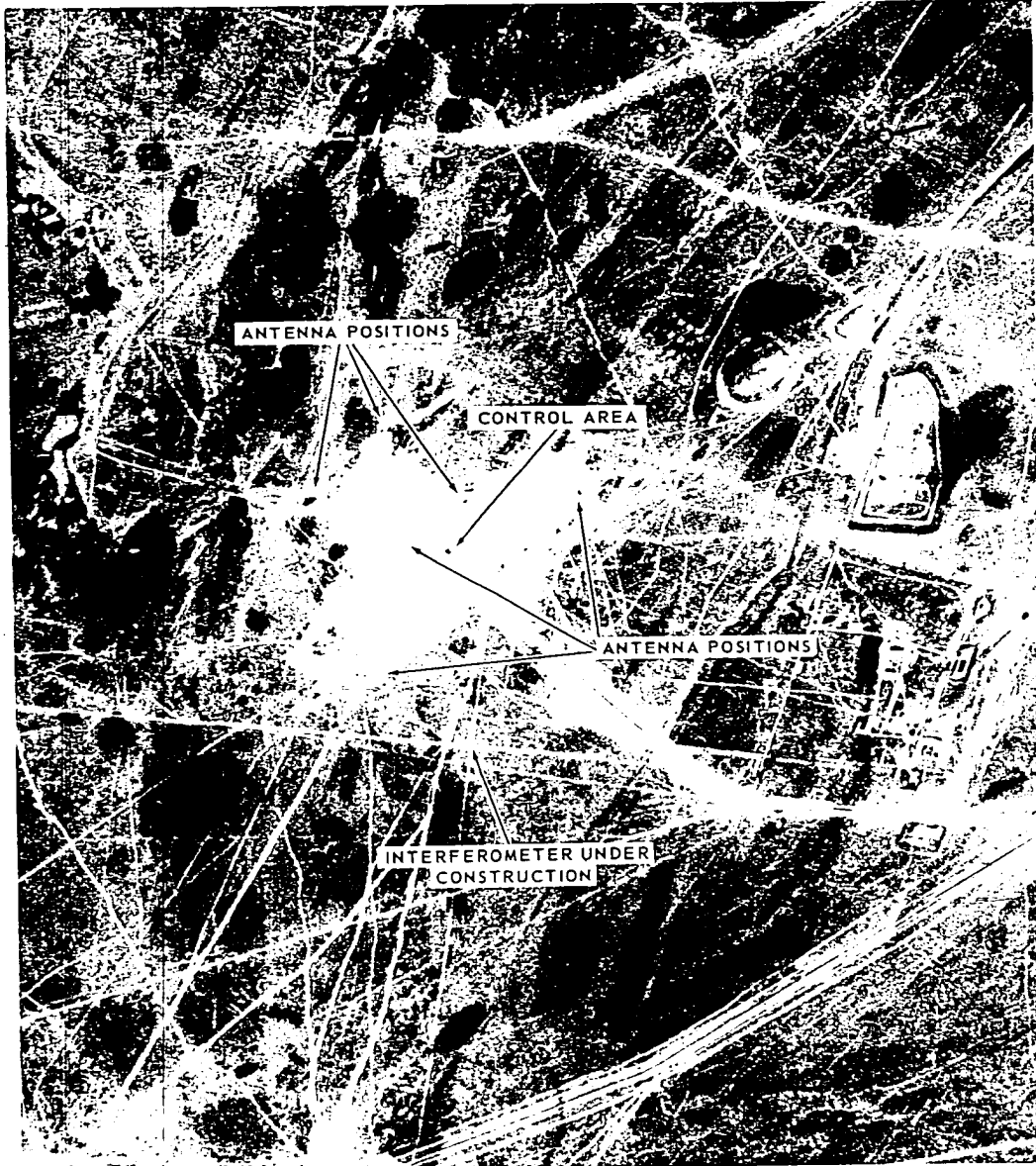
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MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 2



INTERFEROMETER SITE UNDER CONSTRUCTION, KAPUSTIN YAR VLADIMIROVKA MISSILE TEST CENTER, USSR.

TOP SECRET



25X1

TOP SECRET

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 3

25X1
ZS/A



- KEY**
- 1 PROB H-CLASS SSBN
 - 2 PROB E-CLASS SSGN
 - 3 POSS E-CLASS SSGN
 - 4 PROB G-CLASS SSB
 - 5 PROB I-CLASS SSG
 - 6 POSS N-CLASS SSN
 - 7 POSS MEDIUM U/I SS
 - 8 LARGE U/I SS (APPROX LOA 355')
 - 9 LARGE U/I SS
 - 10 POSS LARGE U/I SS
 - 11 U/I SS

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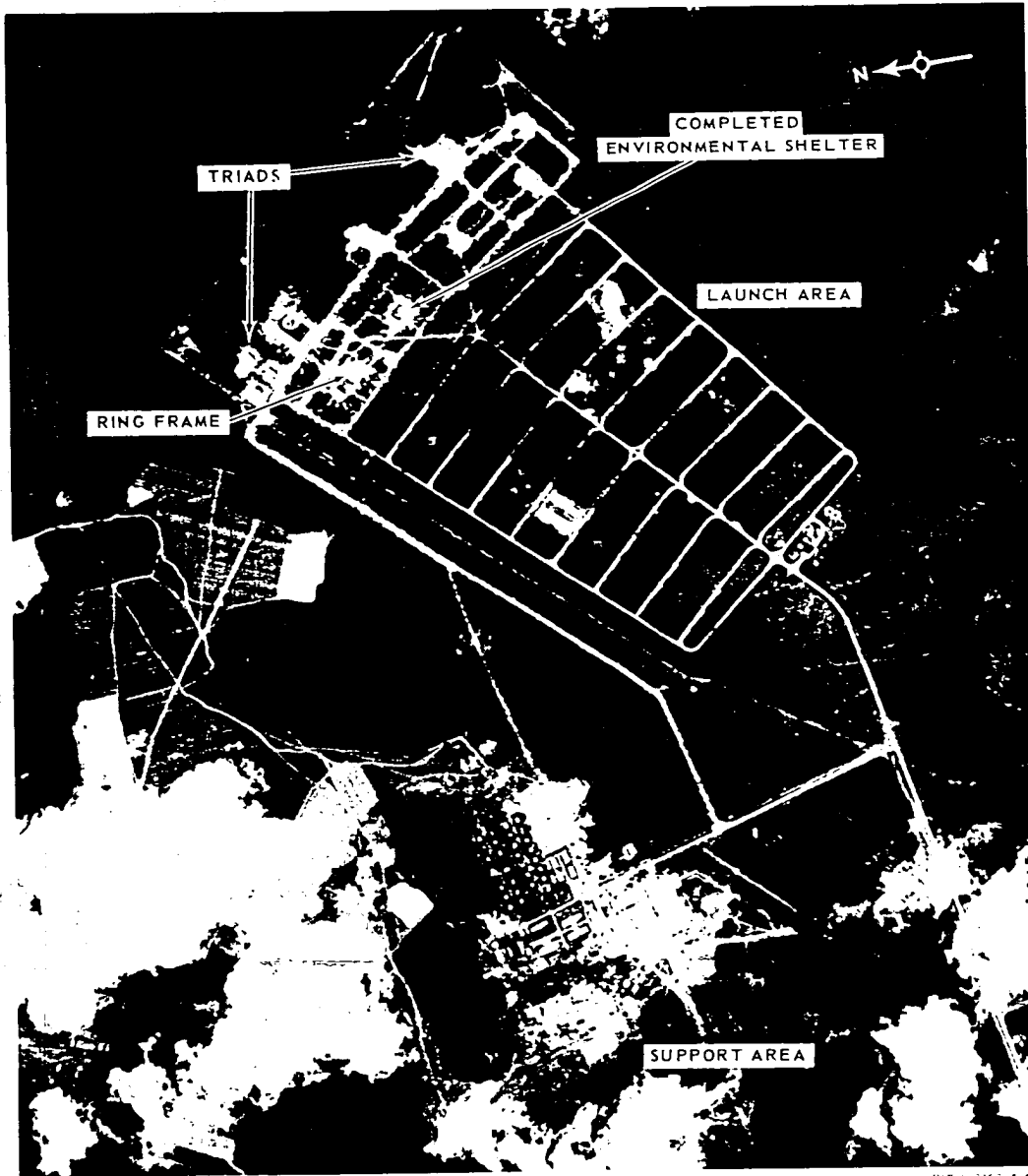
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MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 4

25X1
ZSAI



SA-1 SAM SITE E05-1, MOSCOW, USSR

TOP SECRET

25X1



TOP SECRET



25X1

MISSION 1022-2, 24-28 JULY 1965

ATTACHMENT 5



TOP SECRET



25X1

25X2

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TOP SECRET

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