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April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

17053

OAK - PART II
MISSION 1018-2
30, 31 MARCH 1965

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CIA



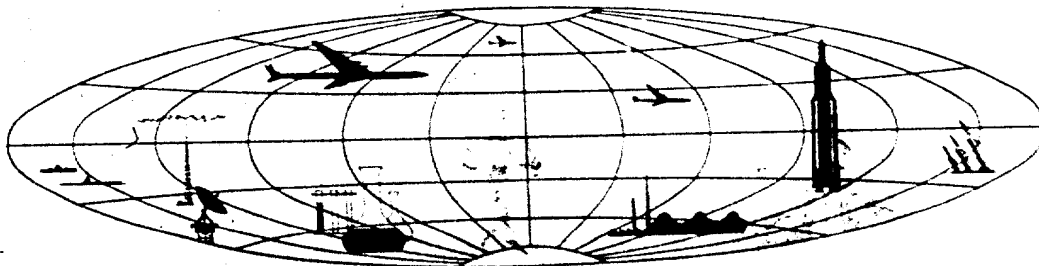
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OAK - PART II
MISSION 1018-2

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1018-2 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) 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 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 CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMI-DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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Highlights

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HIGHLIGHTS 25X1A

1. TYURATAM MISSILE TEST CENTER [REDACTED]
THE CENTER IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY. THE PREVIOUSLY REPORTED POSSIBLE LAUNCH GROUP IN THE VICINITY OF LAUNCH COMPLEXES F, G, AND K IS NOW CONFIRMED AND DESIGNATED LAUNCH GROUP L. THREE NEW SITES (TOTAL OF 10) AND A PROBABLE CONTROL FACILITY ARE IDENTIFIED ON THIS MISSION.

25X1A

2. SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED]
THE ENTIRE CENTER, WITH THE EXCEPTION OF SHUANG-CHENG-TZU AIRFIELD, IS COVERED BY FAIR-QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS AND HAZE. A PROBABLE MISSILE EXERCISE IS UNDERWAY ON LAUNCH SITE A1. CLOUDS AND HAZE PRECLUDE A FURTHER READOUT. * THE GROUND TARGET MARKER IN THE L INSTRUMENTATION PATTERN HAS BEEN EXPANDED AND NOW CLOSELY RESEMBLES THE AIR DROP MARKER AT [REDACTED]

25X9

25X1A

3. EMBA MISSILE-ASSOCIATED INSTALLATION [REDACTED]
THE ENTIRE MISSILE ASSOCIATED INSTALLATION IS COVERED BY FAIR QUALITY, CLEAR PHOTOGRAPHY. AN UNIDENTIFIED VEHICLE OR PIECE OF EQUIPMENT IS OBSERVED ON EACH PAD OF THE LAUNCH AREA. TWELVE POSSIBLE BEAGLE, 6 MEDIUM STRAIGHT-WING AND 8 SMALL PROBABLE SWEEP-WING AIRCRAFT ARE PARKED AT THE AIRFIELD.

STATUS OF COMOR TARGET READOUT

TWENTY-SEVEN COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK. A TOTAL OF SIXTY-THREE COMOR TARGETS WERE REPORTED AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON BOTH MISSION [REDACTED] AND 1018-2 IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

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

Table 1. Soviet ICBM Deployment

Complex	Launch Area																Total Soft Sites	Total Hard Sites	Total Single Sites	Total Launch Positions	Last Effective Coverage
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O						
Alejak	HC	HC	HC	HC	HC	HC										6	6	6			
Dombrovskiy	HC	HC	HC	HC	HC	HC										5	5	5			
Drovyasaya	HC	HC	HC	HC	HC	HC										3	18(14)	15(14)	30(14)		
Glazkaya	HC	HC	HC	HC	HC	HC										2	13(7)	12(7)	19(7)		
Imeni Gagarina	HC	HC	HC	HC	HC	HC										6	6	6			
Iska	HC	HC	HC	HC	HC	HC										3			6		
Karskiy	HC	HC	HC	HC	HC	HC										8	8	8	8		
Kovroma	HC	HC	HC	HC	HC	HC										6	1		15		
Kozelak	HC	HC	HC	HC	HC	HC										3	2		12		
Novosibirsk	HC	HC	HC	HC	HC	HC										3	2		12		
Olovyanaya	HC	HC	HC	HC	HC	HC										23	20		29		
Orsk	HC	HC	HC	HC	HC	HC										1			3		
Perm	HC	HC	HC	HC	HC	HC										5	10(14)	9(14)	22(14)		
Plasetsk*	HC	HC	HC	HC	HC	HC										10*	1		19		
Shadrinsk	HC	HC	HC	HC	HC	HC										3			9		
Svobodnyy	HC	HC	HC	HC	HC	HC										7	1		17		
Taiashchevo	HC	HC	HC	HC	HC	HC										26(14)	26(14)		26(14)		
Teykovo	HC	HC	HC	HC	HC	HC										6			12		
Tyumen	HC	HC	HC	HC	HC	HC										2			4		
Uzbur	HC	HC	HC	HC	HC	HC										11(2)	11(2)		11(2)		
Vorzhneyaya Sida	HC	HC	HC	HC	HC	HC										7	2		20		
Yedrovo	HC	HC	HC	HC	HC	HC										6	2		18		
Yoshkar-Ola	HC	HC	HC	HC	HC	HC										6			12		
Yurya	HC	HC	HC	HC	HC	HC										8	3		25		
Zhangiz-Tobe	HC	HC	HC	HC	HC	HC										6	6		6		
Iyuratam MIC																10	19	19	46		
Deployment Total																	77	150(124)	126(124)	352(124)	
Grand Total																	87	169(124)	145(124)	398(124)	

*Includes Launch Points I-IV, complete, but does not include 2 SSN pads at Launch Area F
 **Carried as Launch Group
 † Possible

○ Construction Status (C-complete, L-late, M-mid, E-early)
 □ 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	18	11	160	627
Caucasus	3		2	3	8	29
Central Asia	2	3	1	3	9	33
Far Eastern	10	1		1	12	47
Totals	135	15	21	18	189	736

Totals do not include 73 fixed field-type sites with total of 267 launch positions and one launch facility at Sovetskaya Gavan.

25X6

25X6

Table 3. SAM and AMM/SAM Deployment

	Country													Totals		
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Romania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba		India	
SA-0	12														12	
SA-1	56														56	
SA-2	993*	1	19	23	48	16	30	18	3	17	2	6	22	21*	1	1220
SA-3	109					1										110
SAM support facilities	198	1	4	5	3	3	6	2	1		1	1	4	6		235
Probable AMM/SAM complexes	1															1
AMM/SAM complexes	4															4

*Does not include 4 alternate sites, USSR.

**Does not include 25 abandoned sites.

25X2

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Table 5. AIRCRAFT ACTIVITY

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Airfield	Last Effective Coverage	Previous Significant Aircraft Count													Observed this Mission					TOTALS					
		ROBY	BEAR	BADGER	BLINDER	BOUNDER	MANOYAK	MULLON	FIDDLER	FITTER	FREBID	FREBID	FREBID	FREBID	BEAR	BADGER	BLINDER	BOUNDER	MULLON		FIDDLER	FITTER	FREBID	FREBID	FREBID
Akhmatinsk/FTC		2	41											33		221									95
Alekseyevka		29	157											44											34
Asimovo Gerdishche		28												28		34									
Arkasgelsk/Kholm*		202												20											
Artem North		12												30											
Barnaovichi*		24	52											29		21	12								33
Belays		621												63		52									53
Belays Tsvetkov		10												46	6 B/B	17									50
Bokovsk*		28												28		55									55
Borzya, NW		9												9		9									9
Bykov*		277												27		50									54
Chapolevka*		50	17											45	60 B/B	42									40
Chernovo-Glinakovo		6								10				42		23									
Dolga*		11								25				43											
Engels*		28												23	242	21									26
Gomel Polyud		9	28											45		15	122								29
Kalinin*		24												34		17									44
Kaliningrad/Provera		6	21											27		22	117								14
Kyrensk		29												29											
Kazan A/C Flt 23		42	202											24											
Khorol East														(NO AIRCRAFT)											0
Mal Yavr		77												7		221									22
Melitopol		8												2	10										
Minsk/Machalishche*		5	2147											13		7	14								21
Mingrod		29												29											
Moscow/Esmenskoye		6	18	5	1					22				26											
Musok*														(NO AIRCRAFT)											0
Nezhin		23												23											23
Nikolayev/Kalbakio		422												43											43
Obitynskoye		21												21											
Olshagorsk		27												5		107									10
Orsha Southwest*		25												25		15									40
Ostrov Gorkhovka		28												28		221									29
Putropavlovsk/Yelizarov		10											12	22											
Poltava*		21												21											
Priluki*		27												27											
Romanovsk West		20												20											
Ryazan/Dyagilevo		212	B/B											27		21									
Saki		22	5											27											
Sarabus		24												24											
Severomorsk		12	52											25		782									79
Siallial*		222	B/B											22											
Soltsy*		27												27		202									30
Spensk Dalny East		11								142				21											
Soyuz*		26								67				20	1077	56									
Tarta		26												26		22									21
Ukraina*		44												45											
Usariyak Vozdvizhenka		26												26											
Zhitomir/Skomozhki*		222	17											20	12	22	17	1548	24						29
TOTALS		63	26	1188	121	1				20	12	22	17	1548	24	633	54								767

† POSSIBLE ‡ PROBABLE **BADGER/CAMEL B/C BEAR/CLBAT

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Missiles

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MISSILES

25X1A

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E

25X9

25X1D

COMPLEX IS PARTIALLY COVERED BY POOR QUALITY, STEREO PHOTOGRAPHY. NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AUXILIARY SUPPORT, [REDACTED] OR LAUNCH AREAS B (SITE 1), C (SITE 3), D (SITE 4), E (SITE 5), F (SITE 7), G (SITE 8), AND I (SITE 10) SINCE [REDACTED] LAUNCH AREAS A (SITE 2) AND H (SITE 9) ARE NOT COVERED BY PHOTOGRAPHY. THE UNIDENTIFIED AREA NORTH OF THE AUXILIARY SUPPORT FACILITY NOW APPEARS TO HAVE 3 SMALL BUILDINGS. FURTHER INTERPRETATION IS PRECLUDED BY POOR QUALITY PHOTOGRAPHY.

25X1D

NO ABM ACTIVITY OBSERVED ON CLOUD-FREE PHOTOGRAPHY IN EASTERN HALF OF 50-NM SEARCH AREA. WESTERN HALF NOT COVERED BY PHOTOGRAPHY.

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

25X1D

THE CENTER IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY. THE PREVIOUSLY REPORTED POSSIBLE LAUNCH GROUP IN THE VICINITY OF LAUNCH COMPLEXES F, G, AND K IS NOW CONFIRMED AND DESIGNATED LAUNCH GROUP L. THREE NEW SITES (TOTAL OF 10) AND A PROBABLE CONTROL FACILITY ARE IDENTIFIED ON THIS MISSION.

25X1D

LAUNCH COMPLEX A (SITES 1 AND 15) -- THE COMPLEX SHOWS NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] THERE ARE 3 RAIL CARS ON THE RAILS SERVING PAD A1. THEY MEASURE 130, 70, AND 65 FEET IN LENGTH.

25X1D

LAUNCH COMPLEX B (SITES 2, 16, AND 17) -- THE COMPLEX SHOWS NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] AN 85-FOOT LONG RAIL CAR IS LOCATED ON THE CENTER RAIL SERVING PAD B1.

25X1D

LAUNCH COMPLEX C (SITE 3) -- THE COMPLEX SHOWS NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] AND NO ACTIVITY IS OBSERVED AT ANY OF THE LAUNCH PADS.

25X1D

LAUNCH COMPLEX D (SITES 4 AND 9) -- THE COMPLEX SHOWS NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

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25X1D [REDACTED] NO ACTIVITY OBSERVED AT EITHER OF THE LAUNCH SITES.

25X1D LAUNCH COMPLEX E (SITE 6) -- THE COMPLEX SHOWS NO SIGNIFICANT CHANGE SINCE [REDACTED] NO ACTIVITY IS OBSERVED AT ANY OF THE 3 LAUNCH PADS.

25X1D LAUNCH COMPLEX F (SITE 5) -- THE COMPLEX SHOWS NO APPARENT CHANGE SINCE [REDACTED] ONE VEHICLE, APPROXIMATELY 50 FEET LONG, IS PARKED NEAR THE RIGHT SILO.

LAUNCH COMPLEX G (SITES 7, 11, 12, 18 AND 19) -- AN UNIDENTIFIED OBJECT OR OBJECTS, MEASURING APPROXIMATELY 115 FT LONG, IS ON THE RAIL AT THE NW END OF THE MISSILE ASSEMBLY/CHECKOUT BUILDING IN THE COMPLEX SUPPORT FACILITY.

25X1D LAUNCH AREA G1-G2 (SITE 7) -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

25X1D LAUNCH AREA G3-G4 (SITE 11) -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]. BOTH GANTRY'S ARE TO THE REAR OF THEIR RESPECTIVE PADS.

25X1D LAUNCH AREA G5-G6 (SITE 12) -- THE GANTRY IS ON THE PAD AT G6. NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D LAUNCH AREA G7 (SITE 18) -- CONSTRUCTION CONTINUES AND THE SITE REMAINS IN THE MID-STAGES OF CONSTRUCTION. NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

25X1D LAUNCH AREA G8-G9 (SITE 19) -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X9

THE COMPLEX SUPPORT FACILITY, THE REVETTED STORAGE AREA, AND THE [REDACTED]

25X1D

FACILITY SHOW NO SIGNIFICANT CHANGE SINCE [REDACTED]

25X1D

25X9

AN H-SHAPED BUILDING CAN NOW BE IDENTIFIED IN THE AREA OF UNIDENTIFIED CONSTRUCTION SOUTH OF THE [REDACTED]

25X9

[REDACTED] IT MEASURES APPROXIMATELY 360 BY 140 FEET OVERALL. THE CENTER BAR OF THE H, WHICH MEASURES APPROXIMATELY 70 BY 80 FEET, IS APPROXIMATELY THREE TIMES AS TALL AS THE OTHER TWO PARTS OF THE BUILDING. THERE ARE AT LEAST 5 SMALLER

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BUILDINGS AND AN EXCAVATION IN THE AREA.

25X1D LAUNCH COMPLEX H (SITE 8) -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED] A POSSIBLE MISSILE DOLLY IS LOCATED ON THE RAIL SERVING THE PAD AT H2.

25X1D LAUNCH COMPLEX I (SITE 14) -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D COMPLEX J -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D LAUNCH COMPLEX K (SITES 13 AND 20) -- LAUNCH AREA K1-K2 (SITE 13) SHOWS NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]

25X1D LAUNCH AREA K3 (SITE 20) SHOWS NO SIGNIFICANT CHANGE SINCE [REDACTED]

LAUNCH GROUP L -- THE PREVIOUSLY REPORTED POSSIBLE LAUNCH GROUP IN THE VICINITY OF LAUNCH COMPLEXES F, G, AND K IS CONFIRMED AS A LAUNCH GROUP. THREE ADDITIONAL SITES HAVE BEEN IDENTIFIED FOR A TOTAL OF 10, AND A CIRCULAR PATTERN IS NOW APPARENT WITH A CONTROL FACILITY AT ITS CENTER AND 3 SITES OUTSIDE THE CIRCLE. THE DIAMETER OF THE CIRCLE OF SITES IS APPROXIMATELY 7.5 NM WHILE THE SPACING BETWEEN ADJOINING SITES IS APPROXIMATELY 3.5 NM. THIS PATTERN IS SIMILAR TO THOSE OBSERVED AT OLOVYANNAYA LAUNCH GROUP D AND E AND TATISHCHEVO LAUNCH GROUP A. THE SITES HAVE BEEN DESIGNATED L1 THROUGH L10 AS FOLLOWS --

25X1D SITE L1 -- THIS SITE IS NEWLY IDENTIFIED AND IS LOCATED 1.3 NM SOUTH OF THE CENTER OF LAUNCH AREA G3-G4. THE SITE IS ENCLOSED BY A GENERALLY TRIANGULAR FENCE WHICH ENCLOSES A SILO CORING WITHIN A SHALLOW EXCAVATION AND ALSO AN L-SHAPED ELECTRONIC FACILITY. THE LEGS OF THE ELECTRONIC FACILITY ARE ORIENTED N/S AND E/W. THERE IS A PROBABLE CONTROL FACILITY UNDER CONSTRUCTION IN A SHALLOW EXCAVATION NEAR THE INTERSECTION OF THE LEGS OF THE ELECTRONIC FACILITY. THERE WAS NO EVIDENCE OF THIS SITE ON [REDACTED] AND FIRST EVIDENCE IS OBSERVED ON [REDACTED]

SITE L2 -- THIS SITE IS LOCATED 3.2 NM NNE OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 7. IT CONTAINS A SILO UNDER CONSTRUCTION IN A SHALLOW EXCAVATION.

SITE L3 -- THIS SITE IS LOCATED 4.5 NM NE OF SITE L1.

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THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 2. IT CONSISTS OF A SHALLOW EXCAVATION CONTAINING A CIRCULAR SILO UNDER CONSTRUCTION.

SITE L4 -- THIS SITE IS LOCATED 3.2 NM SE OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 1. IT CONSISTS OF A SHALLOW EXCAVATION CONTAINING A CIRCULAR SILO UNDER CONSTRUCTION. A RING-LIKE OBJECT, PROBABLY A SILO SEGMENT, IS ON THE SLOPE INTO THE SILO EXCAVATION.

SITE L5 -- THIS SITE IS LOCATED 3.7 NM SSW OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 5. THE SITE CONSISTS OF A PARTIALLY FENCED SHALLOW EXCAVATION CONTAINING A CIRCULAR SILO UNDER CONSTRUCTION.

SITE L6 -- THIS SITE IS LOCATED 4.2 NM WSW OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 6. THE SITE CONSISTS OF A PARTIALLY FENCED SHALLOW EXCAVATION CONTAINING A CIRCULAR SILO UNDER CONSTRUCTION.

SITE L7 -- THIS NEWLY IDENTIFIED SITE IS LOCATED 3.4 NM NW OF SITE L1. THE SITE CONSISTS OF A SHALLOW EXCAVATION CONTAINING A SILO CORING. THERE WAS NO EVIDENCE OF THIS SITE ON MISSION [REDACTED] AND FIRST EVIDENCE IS OBSERVED ON MISSION [REDACTED]

25X1D

SITE L8 -- THIS NEWLY IDENTIFIED SITE IS LOCATED 6.2 NM ESE OF SITE L1. THIS SITE CONSISTS OF A SHALLOW EXCAVATION CONTAINING A SILO CORING. THERE WAS NO EVIDENCE OF THIS SITE ON MISSION [REDACTED] AND FIRST EVIDENCE IS OBSERVED ON MISSION [REDACTED]

25X1D

SITE L9 -- THIS SITE IS LOCATED 6.2 NM SE OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 3. THE SITE IS DOUBLE FENCED AND THE INNER FENCE ENCLOSES AN AREA WHICH MEASURES APPROXIMATELY 700 FEET SQUARE. WITHIN THE FENCE IS A SHALLOW EXCAVATION CONTAINING A CIRCULAR SILO. THE INSIDE AND OUTSIDE DIAMETERS ARE APPROXIMATELY 15 AND [REDACTED] RESPECTIVELY. THERE ARE 2 SMALL BUILDINGS NEARBY.

25X1D

SITE L10 -- THIS SITE IS LOCATED 6.2 NM SSE OF SITE L1. THIS SITE WAS FORMERLY REFERRED TO AS AREA OF CONSTRUCTION NO. 4. THE SITE CONSISTS OF A SHALLOW

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25X9

EXCAVATION CONTAINING A SILO CORING. THIS SITE IS PARTIALLY ENCLOSED BY A SECURITY FENCE.

25X1D

[REDACTED] THE PROPELLANT PRODUCTION PLANT, AND THE MAIN SUPPORT BASE SHOW NO SIGNIFICANT CHANGE SINCE [REDACTED] THE UNIDENTIFIED FACILITY UNDER CONSTRUCTION 1.5 NM SW OF THE PROPELLANT PRODUCTION PLANT SHOWS NO SIGNIFICANT CHANGE SINCE [REDACTED]

25X1D

PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --

LAUNCH COMPLEX A --

LAUNCH COMPLEX B --

LAUNCH COMPLEX C --

LAUNCH COMPLEX D --

LAUNCH COMPLEX E --

LAUNCH COMPLEX F --

LAUNCH COMPLEX G --

LAUNCH COMPLEX H --

LAUNCH COMPLEX I --

COMPLEX J --

LAUNCH COMPLEX K --

LAUNCH GROUP L --

(SEE ATTACHMENT)



25X1D

25X1D

25X1D

25X1D



25X1A

SVOBODNY ICBM COMPLEX

UR 5146N 12806E



25X1D

ENTIRE COMPLEX COVERED BY HEAVY HAZE. LAUNCH AREA G (SITE 7) SHOWS NO APPARENT CHANGE SINCE [REDACTED]

25X1D

25X9

[REDACTED] THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, [REDACTED] COMMUNICATIONS FACILITY, AND LAUNCH AREAS A (SITE 3), B (SITE 1), D (SITE 4), E (SITE 6), F (SITE 5), H (SITE

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8) AND ACTIVITY BETWEEN LAUNCH AREAS E AND G CAN BE IDENTIFIED ONLY. LAUNCH AREA C (SITE 2) IS CLOUD COVERED.

NO ABM ACTIVITY OBSERVED WITHIN THE CLOUD-FREE PORTION OF THE 50-NM-RADIUS SEARCH AREA.

25X1D

[REDACTED]

25X1A

ITATKA ICBM COMPLEX

UR 5650N 08535E [REDACTED]

ENTIRE COMPLEX COVERED BY GOOD-QUALITY, STEREO PHOTOGRAPHY. COMPLEX SUPPORT FACILITY CONSISTS OF A RAILHEAD AND STORAGE AREA, ADMINISTRATION AND HOUSING AREA, AND A RAIL- AND ROAD-SERVED UNIDENTIFIED AREA EAST OF THE ADMINISTRATION AND HOUSING AREA. THE RAILHEAD AND STORAGE AREA CONTAINS 2 DEADEND RAIL SPURS, A POSSIBLE BATCH PLANT, APPROXIMATELY 40 BUILDINGS AND OPEN STORAGE. THE ADMINISTRATION AND HOUSING AREA LOCATED ENE OF THE RAILHEAD AND STORAGE AREA CONTAINS APPROXIMATELY 70 BUILDINGS. A RAIL-SERVED LOGISTICAL SUPPORT AREA 1 NM EAST OF THE ADMINISTRATION AND HOUSING AREA CONTAINS APPROXIMATELY 40 BUILDINGS AND A HEAT/POWERPLANT.

THE RAIL-TO-ROAD TRANSFER POINT IS LOCATED 0.8 NM NNE OF THE RAILHEAD AND STORAGE AREA AND CONTAINS A LOOP-ROAD TRANSFER POINT WITH WIDE-RADIUS TURNS AND APPROXIMATELY 10 BUILDINGS.

LAUNCH AREA A (SITE 1) CONSISTS OF A COMPLETED TYPE IIB LAUNCH SITE AND A SITE SUPPORT FACILITY. THE LAUNCH SITE IS TRIPLE-FENCED AND HAS 1 MISSILE READY BUILDING BEHIND EACH LAUNCH PAD. THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 35 BUILDINGS.

25X9

LAUNCH AREA B (SITE 2) CONSISTS OF A COMPLETED TYPE IIB LAUNCH SITE AND A SITE SUPPORT FACILITY. ONE MISSILE READY BUILDING IS LOCATED BEHIND EACH PAD AND A [REDACTED] HANDLING FACILITY IS LOCATED TO THE REAR OF THE SITE. THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 30 BUILDINGS.

25X9

LAUNCH AREA C (SITE 3) CONSISTS OF A COMPLETED TYPE IID LAUNCH SITE AND A SITE SUPPORT FACILITY. TWO MISSILE READY BUILDINGS ARE LOCATED BEHIND THE LEFT LAUNCH PAD AND 1 TO THE REAR OF THE RIGHT PAD. [REDACTED]

25X9

25X9

[REDACTED] HANDLING FACILITY IS LOCATED BEHIND

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AND TO THE LEFT OF THE LEFT LAUNCH PAD. THE SITE SUPPORT FACILITY, LOCATED WEST OF THE LAUNCH SITE, CONTAINS APPROXIMATELY 35 BUILDINGS.

HEAVY GROUND SNOW COVER PRECLUDES DETAILED INTERPRETATION OF THE AREA OF UNIDENTIFIED ACTIVITY EAST OF THE COMPLEX SUPPORT FACILITY.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM-RADIUS SEARCH AREA.

25X1D



25X1A

SHADRINSK ICBM COMPLEX

UR 5608N 06340E

COMPLEX COVERED BY FAIR-QUALITY, STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT OR LAUNCH AREAS A (SITE 1), B (SITE 2), AND C (SITE 3) SINCE MISSION

25X1D



NO ABM ACTIVITY OBSERVED IN WESTERN HALF OF 50-NM-RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

25X1D



TYUMEN ICBM COMPLEX

UR 5652N 06551E

COMPLEX COVERED BY STEREO PHOTOGRAPHY WITH HEAVY CLOUDS. COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA A (SITE 3) ARE CLOUD COVERED. LAUNCH AREA C (SITE 2) IS IDENTIFICATION ONLY.

25X1D

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTION OF EASTERN 75 PERCENT OF 50-NM-RADIUS SEARCH AREA. WESTERN 25 PERCENT NOT COVERED. EASTERN 75 PERCENT IS 85 PERCENT CLOUD-COVERED.



UZHUR ICBM COMPLEX

UR 5517N 08949E

ICBM COMPLEX CLOUD COVERED. NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTION OF WESTERN 50 PERCENT OF 50-NM-RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

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25X1D

WESTERN HALF 75 PERCENT CLOUD COVERED.

[REDACTED]

25X1A

6

ZHANGIZ-TOBE ICBM COMPLEX

UR 4912N 08110E

THE COMPLEX SUPPORT FACILITY CAN BE IDENTIFIED, BUT THE REMAINDER OF THE COMPLEX IS CLOUD-COVERED.

NO ABM ACTIVITY OBSERVED IN THE EASTERN HALF OF THE 50-NM-RADIUS SEARCH AREA. THE WESTERN HALF OF THE SEARCH AREA IS CLOUD-COVERED.

25X1D

[REDACTED]

DOMBAROVSKIY ICBM COMPLEX

UR 5102N 05949E

25X1D

COMPLEX IS COVERED BY POOR-QUALITY, STEREO PHOTOGRAPHY. THERE HAS BEEN NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY SINCE [REDACTED] THE RAIL-TO-ROAD TRANSFER POINT AND LAUNCH AREA B (SITE 3) ARE CLOUD COVERED. LAUNCH AREAS A (SITE 4), C (SITE 2), D (SITE 1), AND E (SITE 6) CAN BE IDENTIFIED ONLY.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF 50-NM SEARCH AREA WHICH IS 75 PERCENT CLOUD COVERED.

25X1D

[REDACTED]

ALEYSK ICBM COMPLEX

UR 5228N 08242E

THE ENTIRE COMPLEX IS COVERED BY POOR-QUALITY, STEREO PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY, THE PROBABLE RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREAS B (SITE 2), C (SITE 3), D (SITE 4) AND F (SITE 6) ARE IDENTIFICATION ONLY.

LAUNCH AREAS A (SITE 1) AND E (SITE 5) ARE CLOUD COVERED.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE 50-NM-RADIUS SEARCH AREA. THE ENTIRE AREA IS 75 PERCENT CLOUD COVERED.

25X1D

[REDACTED]

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25X1A

KARTALY ICBM COMPLEX

UR 5302N 06035E

COMPLEX IS COVERED BY HEAVY CLOUDS AND HAZE. THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS A (SITE 1), D (SITE 4), E (SITE 5), F (SITE 6), G (SITE 7), AND H (SITE 8) ARE CLOUD COVERED. LAUNCH AREAS B (SITE 2), C (SITE 3) AND D (SITE 4) CAN BE IDENTIFIED ONLY.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF 50-NM SEARCH AREA, WHICH IS 70-80 PERCENT CLOUD COVERED.

25X1D

IMENI GASTELLO ICBM COMPLEX

UR 5107N 06619E

COMPLEX COVERED BY POOR-QUALITY PHOTOGRAPHY. NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT FACILITY SINCE [REDACTED] OR AT THE POSSIBLE TRANSFER POINT SINCE [REDACTED]

25X1D

25X1D

NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH AREAS A (SITE 1) AND E (SITE 5) SINCE [REDACTED]. NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH AREAS B (SITE 2), C (SITE 3), AND F (SITE 6) SINCE [REDACTED] OR AT LAUNCH AREA D (SITE 4) SINCE [REDACTED]

25X1D

25X1D

25X1D

NO ABM ACTIVITY OBSERVED IN WESTERN HALF OF 50-NM-RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

25X1D

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

THE ENTIRE CENTER, WITH THE EXCEPTION OF SHUANG-CHENG-TZU AIRFIELD, IS COVERED BY FAIR-QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS AND HAZE.

ACTIVITY IS NOTED IN SSM LAUNCH COMPLEX A (SITE 1) WHERE A PROBABLE MISSILE EXERCISE IS UNDERWAY ON LAUNCH SITE A1. CLOUDS AND HAZE PRECLUDE A FURTHER READOUT.

25X1D

THE GROUND TARGET MARKER IN THE AIRFIELD-ASSOCIATED L INSTRUMENTATION PATTERN HAS BEEN EXPANDED SINCE MISSION [REDACTED] AND NOW CLOSELY RESEMBLES THE AIR DROP MARKER AT GZ-2 [REDACTED] THE NEW

25X9

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CORNER TICKS MEASURE APPROXIMATELY 1,315 FT (400 METERS) ON A SIDE AS OPPOSED TO THE OLD DIMENSIONS OF 1,310 X 800 FT. A CIRCLE WITH AN OUTER DIAMETER OF 695 FT (210 METERS) HAS BEEN ADDED AROUND THE PLUS OR CROSS PATTERN WHICH MEASURES APPROXIMATELY 335 FT X 335 FT (100 METERS). NO APPARENT CHANGE SINCE [REDACTED] IN THE 3 INSTRUMENTATION SITES IN THE L PATTERN.

25X1D

25X1D

AT LEAST 10 NEW BUILDINGS HAVE BEEN ADDED IN THE MAIN SUPPORT BASE SINCE [REDACTED] AND NUMEROUS VEHICLES ARE OBSERVED IN SEVERAL MOTOR POOLS.

25X1D

NO APPARENT CHANGE SINCE [REDACTED] IN SSM LAUNCH COMPLEXES B (SITE 2) AND C (SITE 3), THE SSM HOUSING AND SUPPORT AREA, THE RANGEHEAD TRANSMITTING COMMUNICATIONS SITE, THE REVETTED STORAGE AREA, AND THE UNIDENTIFIED FACILITY WNW OF THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA. AT LEAST 4 VEHICLES ARE VISIBLE IN THE MOTOR POOL IN THE SSM HOUSING AND SUPPORT AREA. NO APPARENT CHANGE SINCE [REDACTED]

25X1D

[REDACTED] IN THE REVETTED STORAGE AND HANDLING AREA, THE SSM-SAM ASSEMBLY AND CHECKOUT COMPLEX, THE PROBABLE PROPELLANT HANDLING AND STORAGE AREA, THE THERMAL ELECTRIC POWERPLANT, AND THE SAM LAUNCH COMPLEX. UNIDENTIFIED EQUIPMENT IS LOCATED IN THE HOLD AREA AND THE CENTRAL GUIDANCE POSITION IN LAUNCH AREA A. NO EQUIPMENT IS VISIBLE IN SAM LAUNCH AREA B. POOR IMAGE QUALITY PRECLUDES FURTHER READOUT.

25X1D

25X1D

THE PROBABLE SAM INSTRUMENTATION SITE SHOWS NO APPARENT CHANGE SINCE [REDACTED] CLOUDS PREVENT DETERMINATION OF WHETHER A NEW SAM INSTRUMENTATION SITE IS UNDER CONSTRUCTION SE OF THE SAM INSTRUMENTATION PATTERN TO BALANCE THE PROBABLE INSTRUMENTATION SITE TO THE NE.

25X1D

NO APPARENT CHANGE SINCE [REDACTED] IN THE RAIL LINE TERMINATING IN THE DESERT TO THE SE.

NO NEW SAM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA. APPROXIMATELY HALF OF THE SEARCH AREA TO THE WEST AND NORTH ARE NOT COVERED.

SIGNIFICANT PHOTO REFERENCES FOR [REDACTED] FOLLOW --
GROUND TARGET MARKER [REDACTED]
SSM LAUNCH COMPLEX A [REDACTED]
MAIN SUPPORT BASE -- [REDACTED]
SAM LAUNCH COMPLEX -- [REDACTED]

25X1D

25X1D

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25X1D

(SEE ATTACHMENT)

[REDACTED]

25X1A

EMBA MISSILE-ASSOCIATED INSTALLATION, UR 4835N 05804E [REDACTED]

ENTIRE INSTALLATION IS COVERED ON FAIR-QUALITY, CLEAR PHOTOGRAPHY.

25X1D

NO APPARENT CHANGE SINCE [REDACTED], IN SUPPORT AREA A, EMBA AIRFIELD, ELECTRONICS SITE, OPERATIONAL SUPPORT AREA, LAUNCH AREA, THE 2 UNIDENTIFIED SUPPORT AREAS NEAR THE LAUNCH AREA, SUPPORT AREA B, AND INSTRUMENTATION SITES 1, 2, 3, 4, AND 11. AN UNIDENTIFIED VEHICLE/PIECE OF EQUIPMENT IS ON EACH PAD IN THE LAUNCH AREA, VEHICLES/EQUIPMENT ARE PARKED IN SUPPORT AREA A AND OPERATIONAL SUPPORT AREA, AND 12 POSSIBLE BEAGLE, 6 MEDIUM STRAIGHT-WING, AND 8 SMALL PROBABLE SWEEP-WING AIRCRAFT ARE OBSERVED AT THE AIRFIELD. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION. NO DETERMINATION OF STATUS OF CONSTRUCTION IN THE AREA ADJACENT TO OPERATIONAL SUPPORT AREA CAN BE MADE.

25X1D

NO APPARENT CHANGE SINCE [REDACTED] OBSERVED AT THE LANDING STRIP SE OF EMBA AIRFIELD AND INSTRUMENTATION SITES 5, 6, 7, 8, 9, AND 10.

25X1D

SIGNIFICANT PHOTO REFERENCES FOLLOW --

SUPPORT AREA A -- [REDACTED]

25X1D

25X1D

OPERATIONAL SUPPORT AREA -- [REDACTED]

25X1D

ELECTRONICS SITE -- [REDACTED]

25X1D

LAUNCH AREA -- [REDACTED]

[REDACTED]

25X1A

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

NO MISSILE-ASSOCIATED ACTIVITY OBSERVED IN SOUTHWESTERN ONE-EIGHTH OF 50-NM SEARCH AREA. REMAINDER COVERED BY HEAVY CLOUDS.

25X1D

[REDACTED]

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25X1A

RUBTSOVSK SUSPECT SSM AREA

UR 5130N 08115E

ONLY 20 PERCENT OF NW PORTION OF 50-NM SEARCH AREA IS CLOUD-FREE. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA. AREA CANNOT BE NEGATED DUE TO HEAVY CLOUDS.

25X1D

JINDRICHUV HRADECK SUSPECT MISSILE AREA

CZ 4909N 01500E

ENTIRE SEARCH AREA COVERED BY PHOTOGRAPHY. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS OF SEARCH AREA WHICH IS APPROXIMATELY 30 PERCENT CLOUD COVERED.

25X1D

OPAVA POSSIBLE MRBM SITE

CZ 4957N 01755E

OPAVA MRBM SITE NOT COVERED. ONLY EASTERN 20 PERCENT OF SEARCH AREA COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

SLANY SUSPECT MISSILE AREA

CZ 5014N 01406E

ENTIRE SEARCH AREA COVERED BY PHOTOGRAPHY. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA WHICH IS APPROXIMATELY 75 PERCENT CLOUD COVERED.

25X1D

ZATEC SUSPECT MISSILE AREA

CZ 5020N 01333E

ONLY EASTERN HALF OF AREA COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF AREA WHICH IS APPROXIMATELY 75 PERCENT CLOUD COVERED.

AREA CANNOT BE NEGATED.

25X1D

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25X1A

ANGARSK HEN HOUSE-TYPE ACTIVITY

UR 5253N 10315E



THE ANGARSK DUAL HEN HOUSE-TYPE ACTIVITY IS COVERED BY FAIR QUALITY STEREO PHOTOGRAPHY WITH INTERPRETATION LIMITED BY DARKNESS.

25X1D

THE CENTRAL CONTROL BUILDING AND 2 ANTENNA STRUCTURES IN OPERATIONS AREA A APPEAR TO BE EXTERNALLY COMPLETE IN VISIBLE PORTIONS WITH NO APPARENT CHANGE SINCE



25X1D

THERE HAS BEEN NO SIGNIFICANT CHANGE IN OPERATIONS AREA B SINCE THE CENTRAL CONTROL BUILDING APPEARS TO BE EXTERNALLY COMPLETE AND BACKFILL IS IN PLACE FOR THE NORTHERN ANTENNA STRUCTURE. MINOR CONSTRUCTION ACTIVITY OVER THE BACKFILL IS EVIDENT ON THE SOUTHERN ANTENNA STRUCTURE. TERMINAL BUILDINGS FOR BOTH LINEAR STRUCTURES ARE IN PLACE.

25X1D

THE CENTRAL CONTROL BUILDING AT OPERATIONS AREA C APPEARS TO HAVE BEEN COMPLETED EXTERNALLY SINCE MISSION THE TERMINAL BUILDINGS HAVE BEEN COMPLETED AND POSSIBLE BACKFILLING FOR BOTH LINEAR STRUCTURES HAS TAKEN PLACE SINCE

25X1D

25X1D

THREE WINGS FOR THE CENTRAL CONTROL BUILDING AT OPERATIONS AREA D APPEAR TO HAVE BEEN 75 PERCENT COMPLETED SINCE THERE HAS BEEN NO APPARENT PROGRESS ON THE LARGE CENTRAL PORTION OF THE CENTRAL CONTROL BUILDING. EXCAVATION FOR THE ANTENNA STRUCTURES HAS CONTINUED SINCE THERE IS NO EVIDENCE OF TERMINAL BUILDINGS AND FOOTINGS FOR THE ANTENNA STRUCTURE.

25X1D

25X1D

ADDITIONAL ACTIVITY WITHIN THE SECURED OPERATIONS AREA CONSISTS OF CONSTRUCTION ON AN UNIDENTIFIED BUILDING OVER A PREVIOUSLY REPORTED 245-BY 185-FOOT FOUNDATION LOCATED CENTRALLY TO THE 4 CONTROL BUILDINGS.

25X1D

THERE IS NO SIGNIFICANT CHANGE SINCE IN THE UNIDENTIFIED ACTIVITY OUTSIDE THE SOUTH EDGE OF THE SECURED OPERATIONS AREA OR THE MAIN SUPPORT AREA.

25X1D

25X1D



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**Nuclear
Energy**

25X2

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Complexes

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COMPLEXES

25X1A

MEDAN COMPLEX

ID 0335N 09840E

25X1D

COMPLEX -- NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE
[REDACTED] COMPLEX IS APPROXIMATELY 50
PERCENT CLOUD COVERED.

AIRFIELD -- 4 BADGER/CAMEL AND 1 CAB OBSERVED.
APPROXIMATELY 30 PERCENT OF AIRFIELD IS CLOUD COVERED.

NO SAM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF
30-NM-RADIUS SEARCH AREA WHICH IS APPROXIMATELY 50
PERCENT CLOUD COVERED.

25X1D

[REDACTED]

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25X1A

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COMOR

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IRKUTSK AIRFIELD NORTHWEST	UR 5222N 10411E	1
BRZEG AIRFIELD	PO 5050N 01724E	1
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25X2

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25X2

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25X1A

25X2

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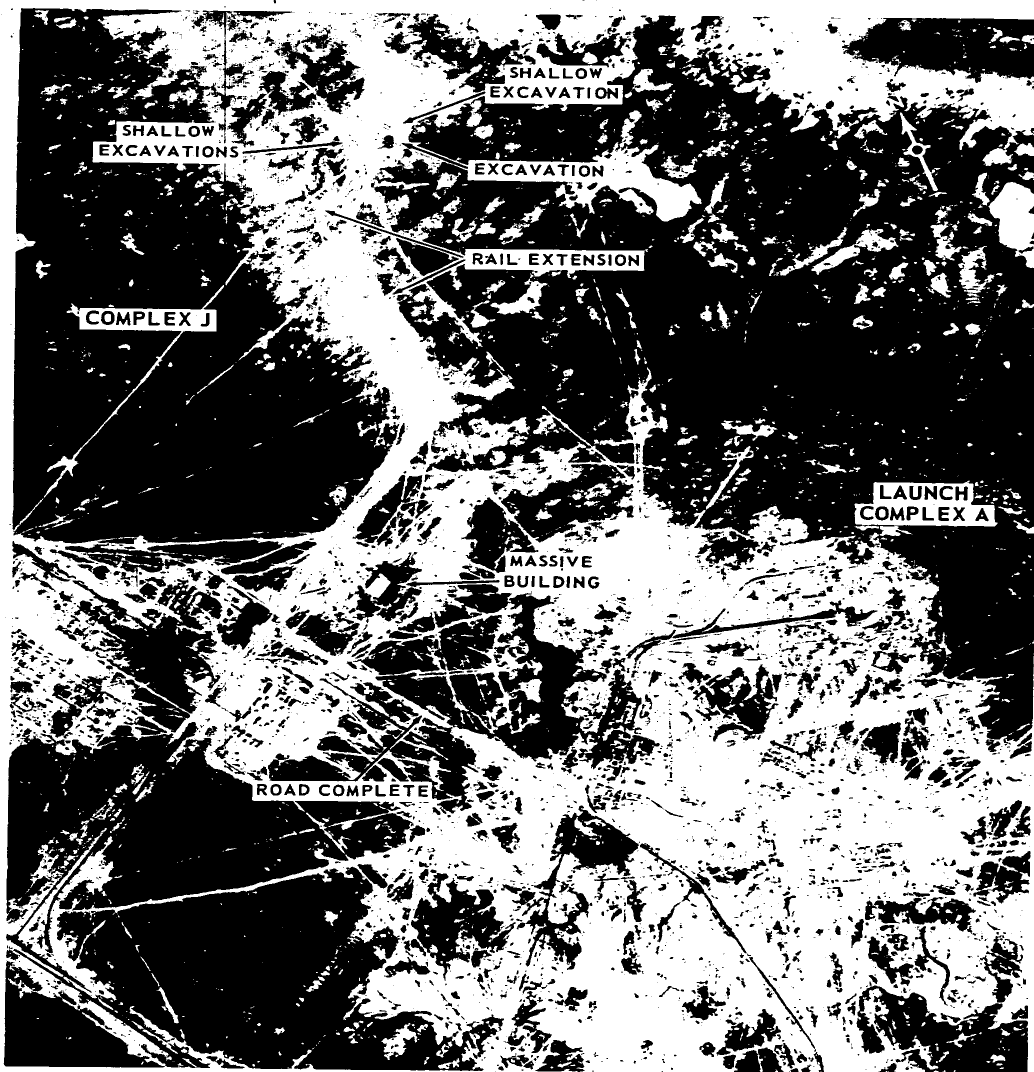
Attachments

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ATTACHMENT 1



COMPLEXES A AND J, TYURATAM MISSILE TEST CENTER, USSR

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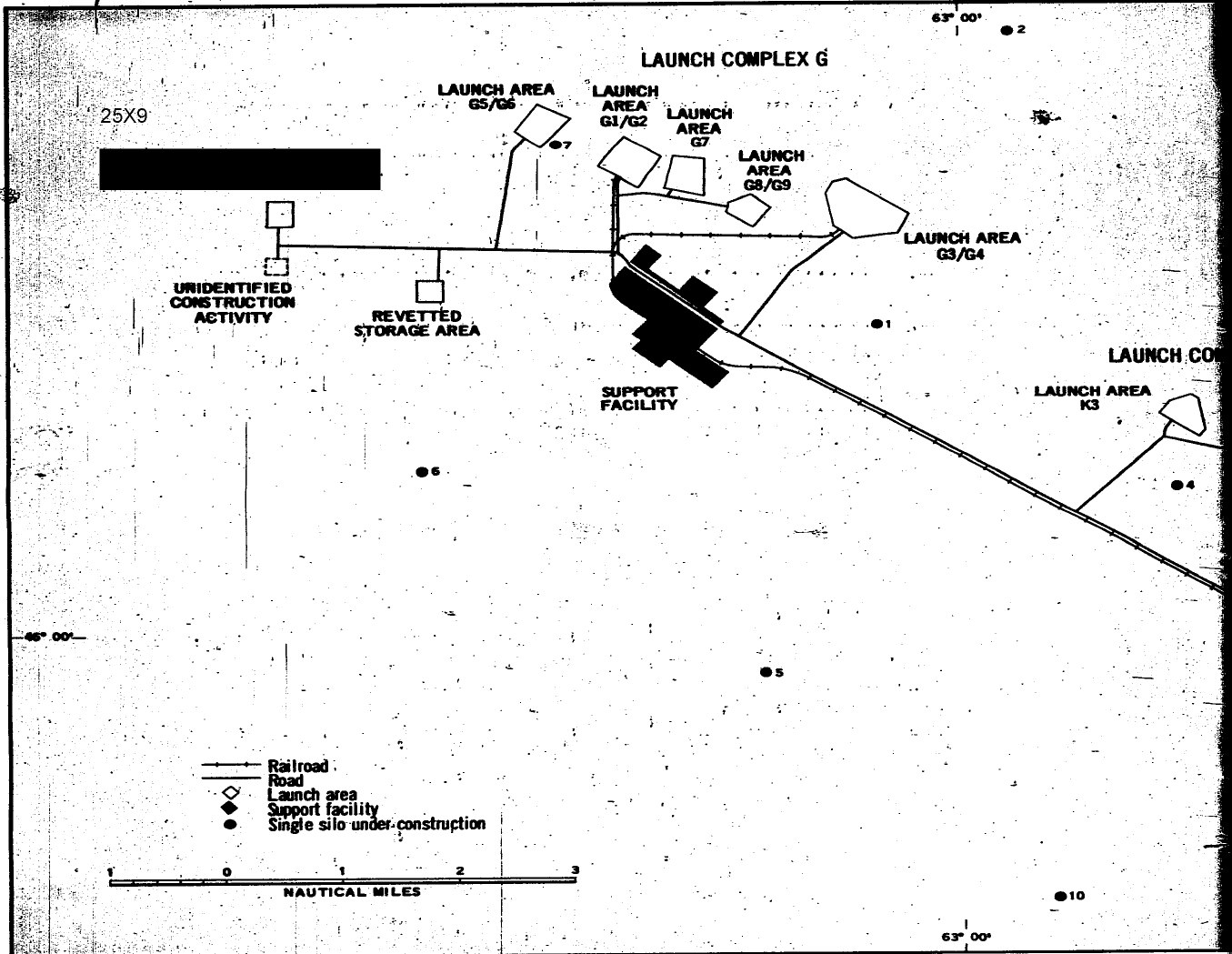
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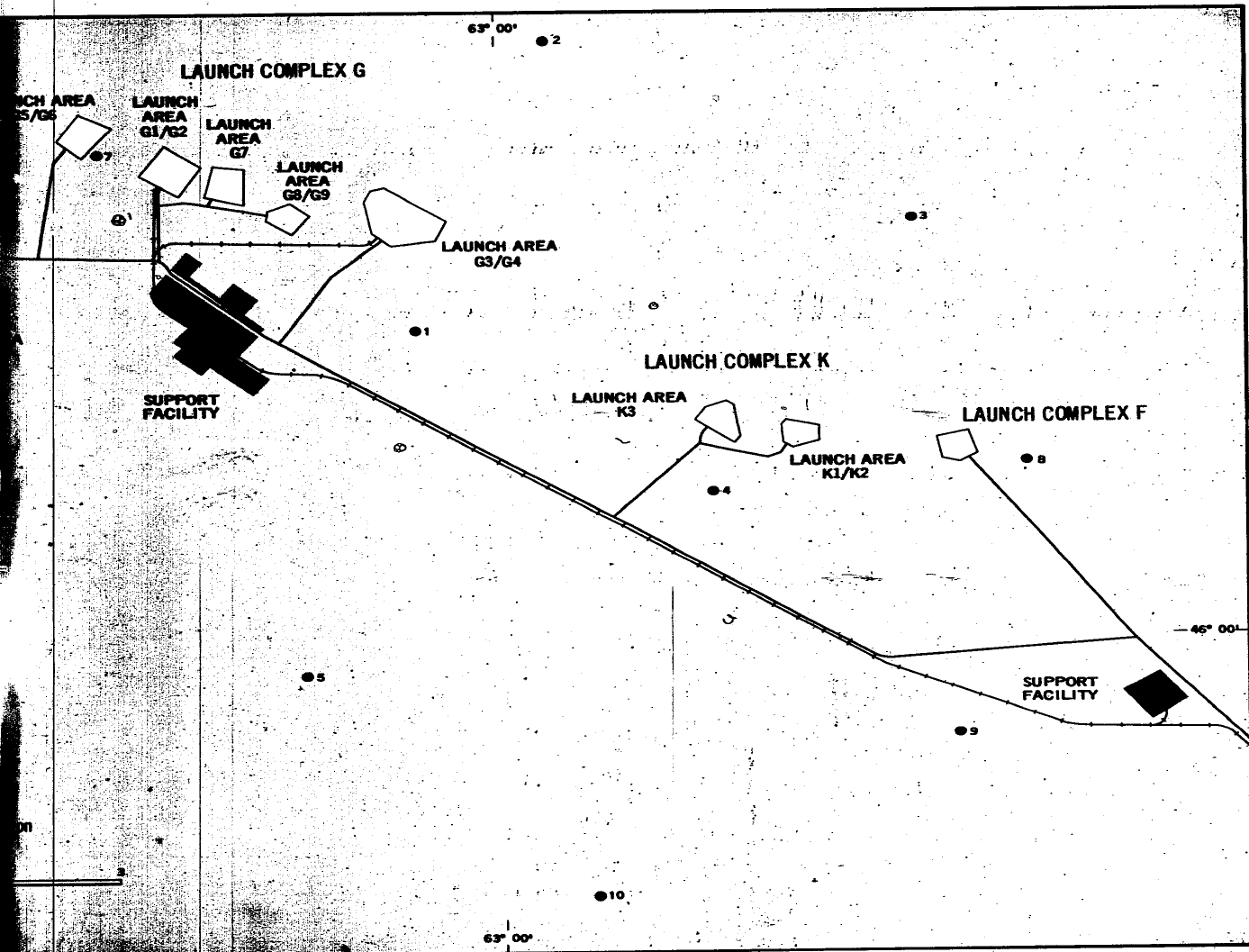
LAUNCH GROUP L, TYURATAM MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 2



NPIC J-6945 (4/65)

LAUNCH GROUP L, TYURATAM MISSILE TEST CENTER, USSR

Handle Via
TALENT-KEYHOLE
Control System Only

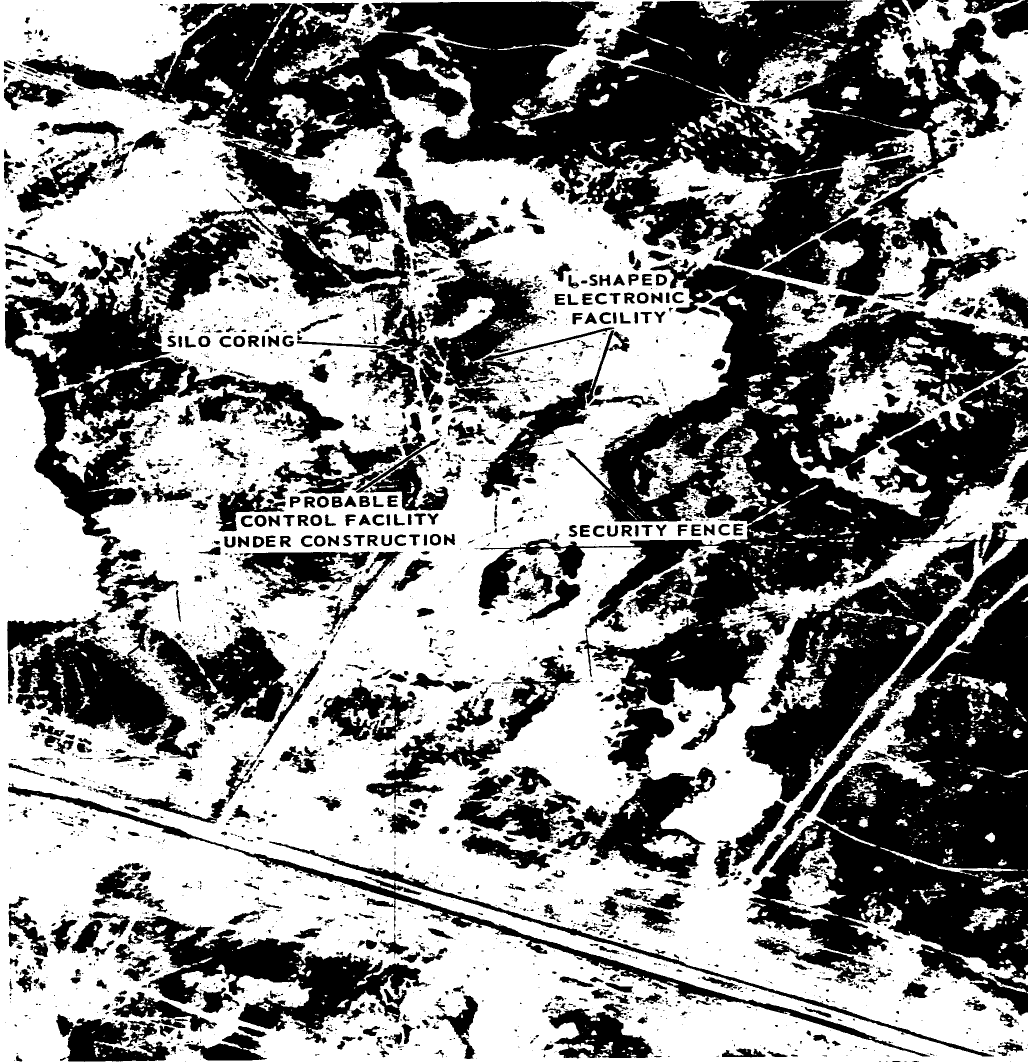
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 3



LAUNCH SITE L1, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6946 (4/65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 4



LAUNCH SITE L2, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6947 (4/65)

TOP SECRET CHESS RUFF

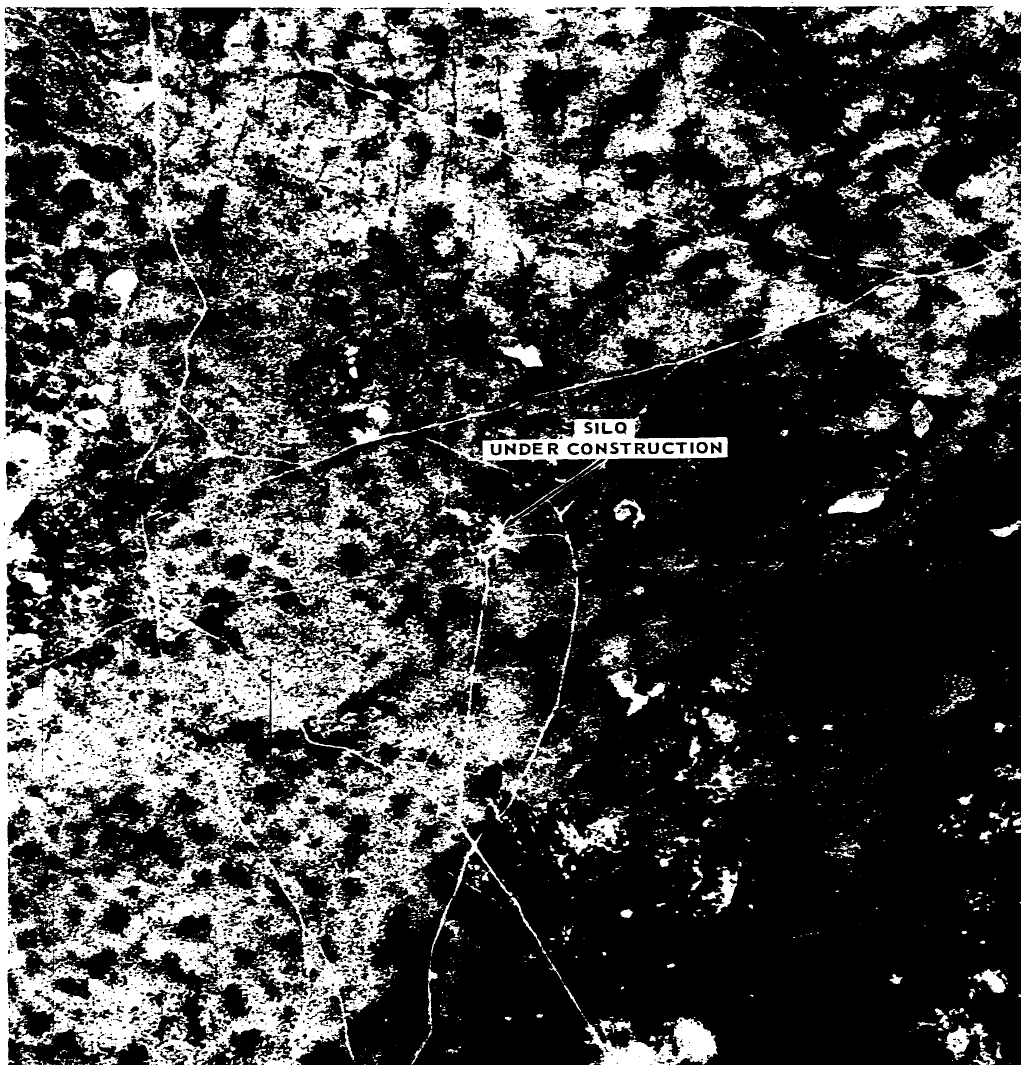
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 5



LAUNCH SITE L3, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6948 (4/65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 6



LAUNCH SITE L4, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6949 (4/65)

TOP SECRET CHESS RUFF

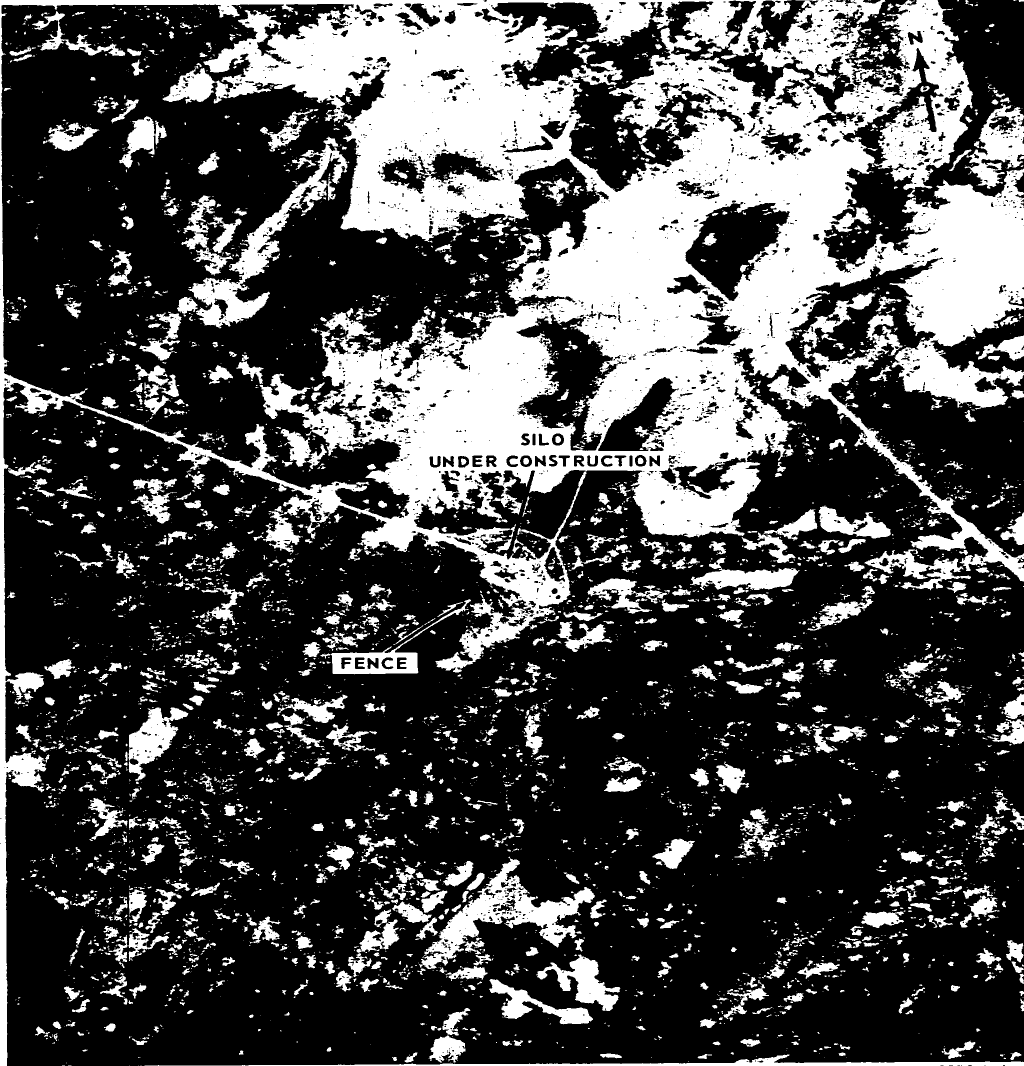
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 7



LAUNCH SITE L5, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6950 (4/65)

TOP SECRET CHESS RUFF

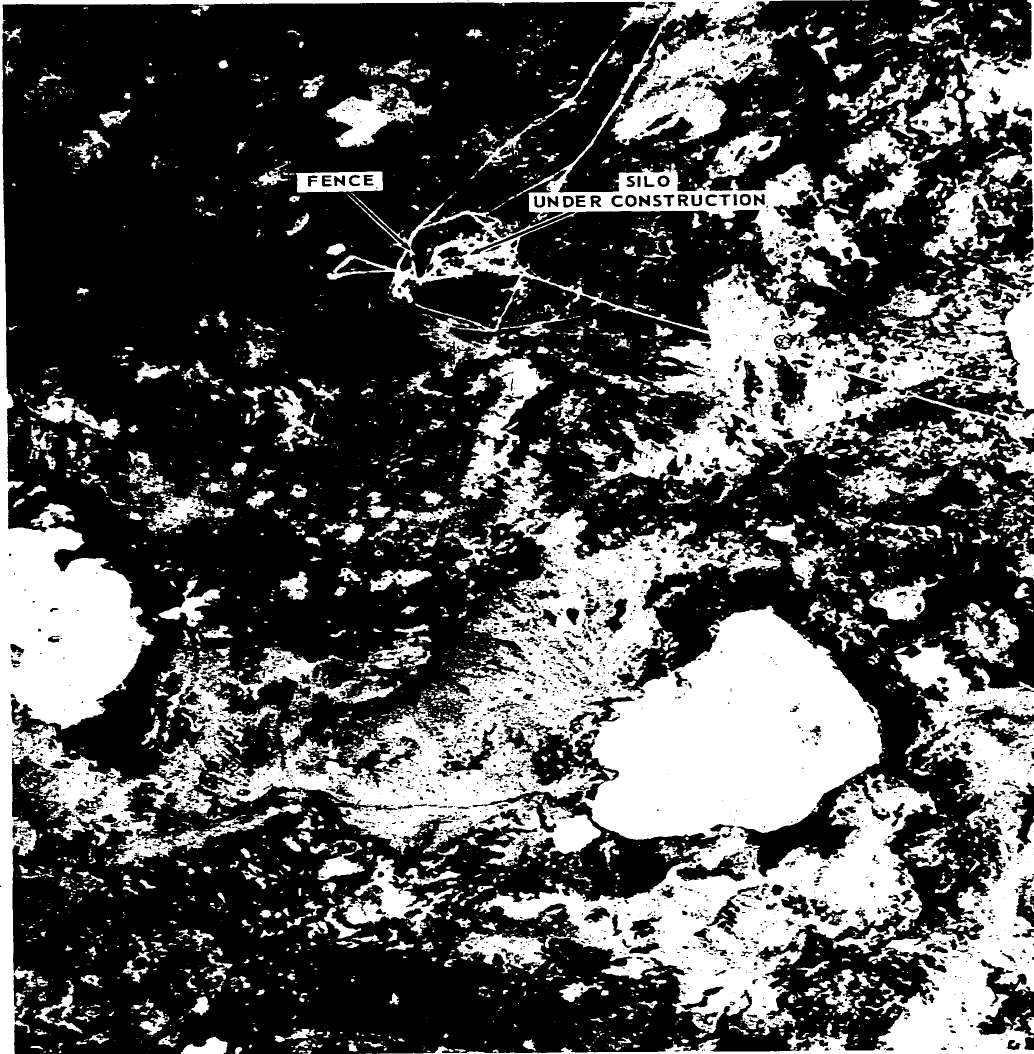
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 8



LAUNCH SITE L6, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6951 (4/65)

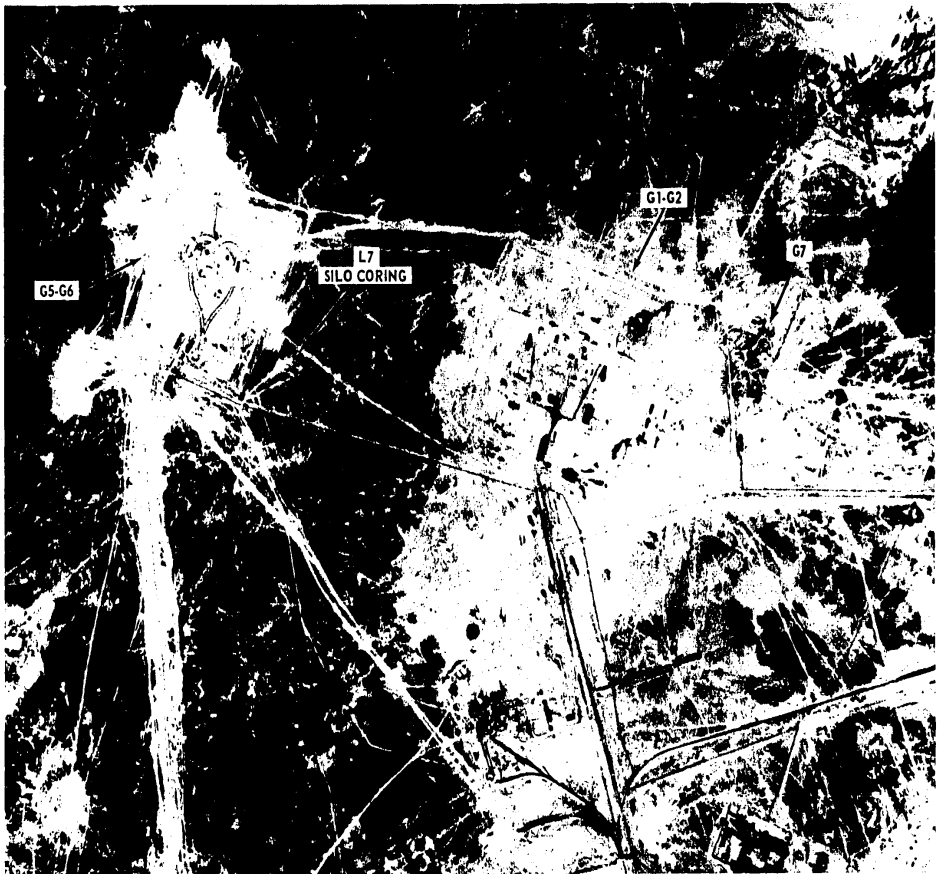
TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 9



NPIC J-6982 (47/65)

LAUNCH SITE L7, TYURATAM MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 10



LAUNCH SITE L8, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6953 (4/65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 11



LAUNCH SITE L9, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6954 (4/65)

TOP SECRET CHESS RUFF

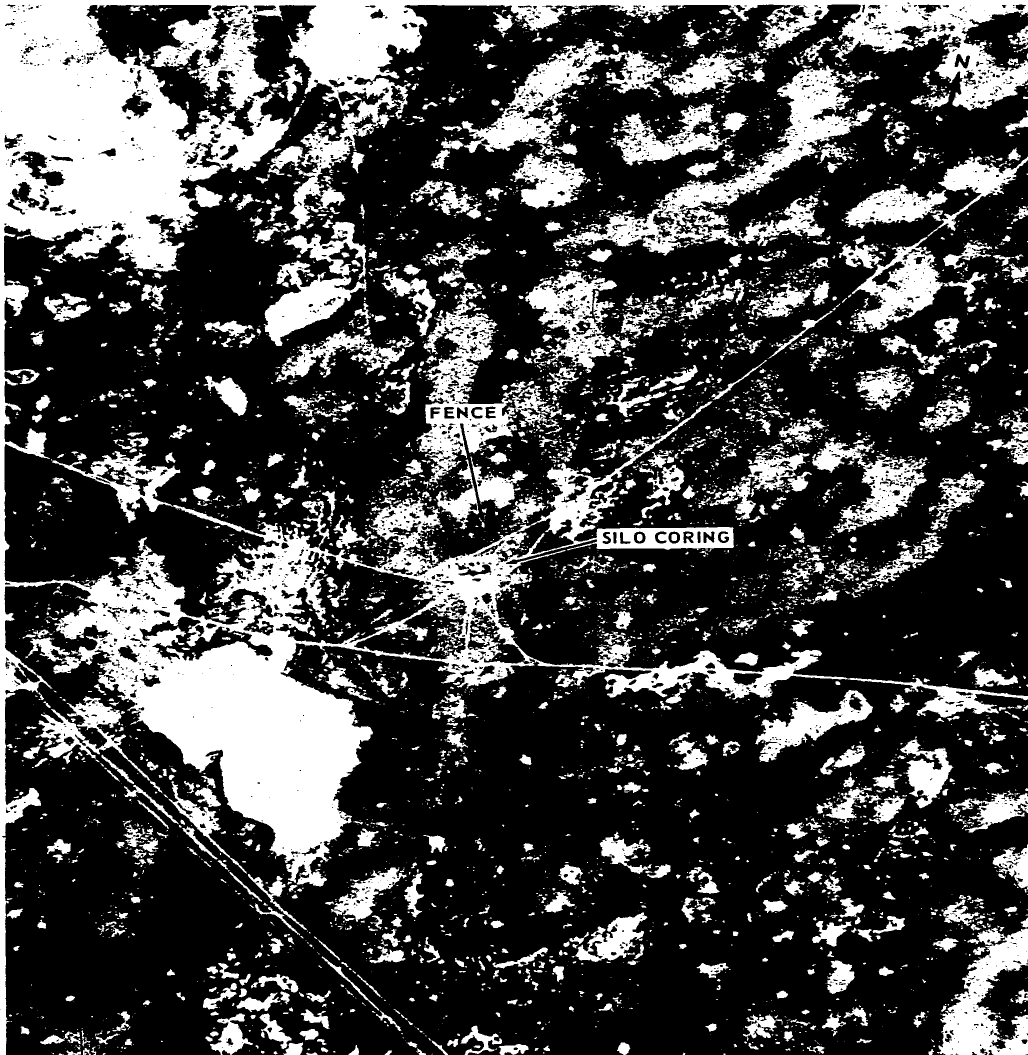
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 12



LAUNCH SITE L10, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-6955 (4/65)

TOP SECRET CHESS RUFF

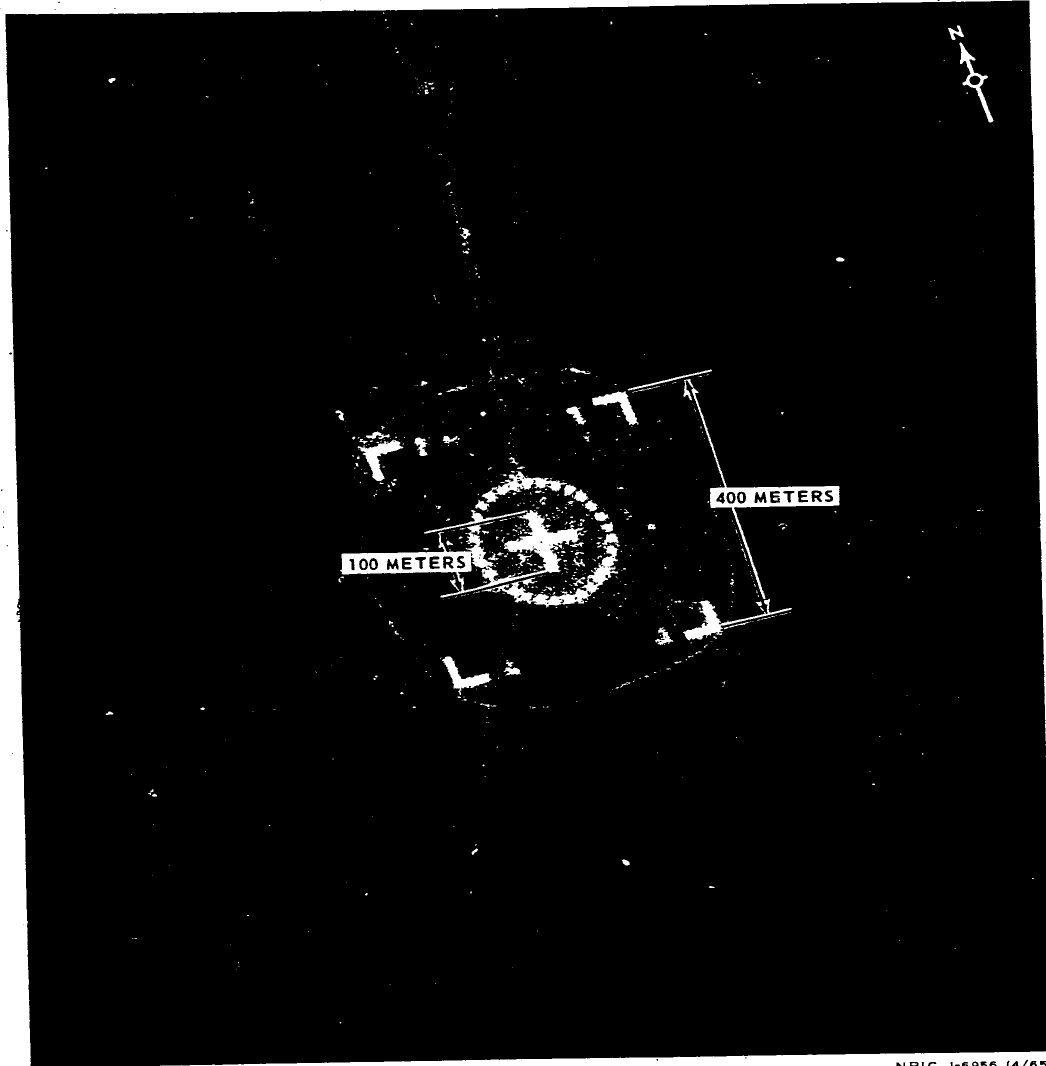
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1018-2, 30, 31 MARCH 1965

TCS-80488/65
ATTACHMENT 13



AIRDROP MARKER, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC J-6956 (4/65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only