

**TOP SECRET**

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NPIC/R-5092/64  
December 1964

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PHOTOGRAPHIC INTERPRETATION REPORT

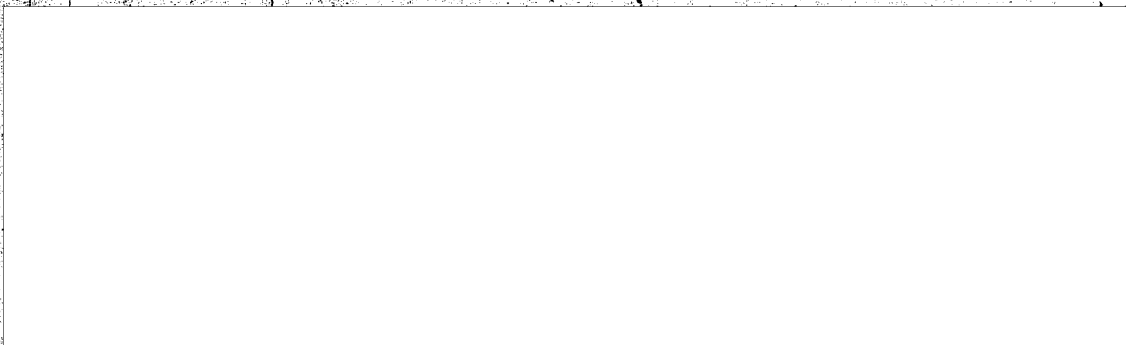
**OAK  
MISSION 4014  
5 DECEMBER 1964**



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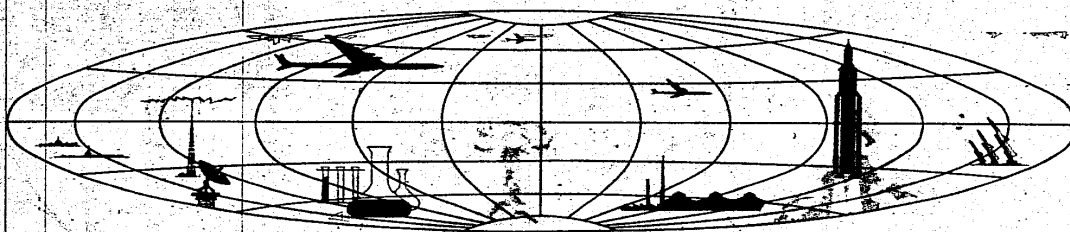


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**TOP SECRET CHESS RUFF**

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**OAK  
MISSION 4014**

PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT ON MISSION 4014 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 4014 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. 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. ABSENCE OF THESE LETTERS INDICATES THAT THESE ARE FRAME AND INDEX NUMBERS. 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 (SEMIDARKNESS), 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

1. ICBM COMPLEXES

IMENI GASTELLO AND DROVYANAYA ARE THE ONLY TWO ICBM COMPLEXES COMPLETELY COVERED. AT IMENI GASTELLO A NEW LAUNCH AREA, AREA F, IS IDENTIFIED. CONSTRUCTION CONTINUES AT THE OTHER LAUNCH AREAS. NO SIGNIFICANT CHANGES SINCE [REDACTED] NOV 64 ARE OBSERVED AT ANY OF THE LAUNCH AREAS AT DROVYANAYA.

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LAUNCH AREA C, TYUMEN ICBM COMPLEX, IS THE ONLY OTHER DEPLOYED LAUNCH AREA COVERED. THERE IS NO APPARENT CHANGE SINCE [REDACTED] OCT 64.

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THE TYURATAM MISSILE TEST CENTER IS CLOUD COVERED.

2. BAYRAM-ALI IRBM LAUNCH SITE [REDACTED]

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THIS LAUNCH AREA IS DROPPED FROM THE ORDER OF BATTLE SINCE MOST OF ITS COMPONENTS HAVE BEEN DESTROYED OR REMOVED.

3. ANTIPINSKOYE SAM ACTIVITY [REDACTED]

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THE LAUNCH SITES REPORTED UNDER CONSTRUCTION IN THE SOUTHERNMOST CLEARED AREA ARE NOW COMPLETE AND THE SOUTHERNMOST OF THESE TWO SITES IS OCCUPIED.

4. POTI CRUISE-MISSILE LAUNCH SITE [REDACTED]

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SITE CONSISTS OF 2 OCCUPIED LAUNCH POSITIONS, ONE OF WHICH HAS A CANVAS-COVERED MISSILE ON THE LAUNCHER.

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**5. BATUMI SAM SITE (MISSILE BONUS)**

A COMPLETED SA-2 SITE IS NEWLY IDENTIFIED SW OF BATUMI AT 41-37-45N 041-36-00E.

**6. POLONIA AIRFIELD (AIRFIELD BONUS)**

THIS AIRFIELD WITH A 7,850-BY 170-FOOT NNE/SSW BLACKTOP RUNWAY IS LOCATED AT THE SOUTH EDGE OF MEDAN, INDONESIA. AIRCRAFT -- 4 BADGER, 1 BEAGLE AND 6 FISHBED. THIS IS THE FIRST IDENTIFICATION OF FISHBED AIRCRAFT AT THIS FIELD.

**STATUS OF COMOR TARGET READOUT**

THIRTY-SEVEN COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN THIS OAK 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

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Table 1. Soviet ICBM Deployment

Complex	Launch Area														Total Soft Sites	Total Hard Sites	Total Launch Positions	Last Effective Coverage
	A	B	C	D	E	F	G	H	I	J	K	L	M	N				
Aleysk	M	M	M	M	M	M									6	6	6	Oct 64
Donbarovskiy	M	M	M	M	E										5	5	5	Oct 64
Drovyanaya	⊙	⊙	⊙	⊙	⊙	⊙									3	3	15	Nov 64
Gladkaya	C	C		C											2	1	7	Oct 64
Imeni Gastello	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ									6	6	6	Nov 64
Itatka	C	C	C												3		6	Oct 64
Kartaly	E	M	E												3 (1†)	3 (1†)	3	Aug 64
Kostroma	C	C	C	C	C	C	C	M							6	2	18	Jul 64
Kozelsk	C	C		C	C	C									3	2	12	Oct 64
Novosibirsk	C	C	L	C	C										3	2	12	Jul 64
Olovyannaya	C	L	L	M**											9	9	15	Oct 64
Omsk	C															1	3	Sep 64
Perm	C	C	C	C	C	L									5	1	13	Sep 64
Plesetsk*	C	C	C	C	C	C	E	E							10***	1	19	Oct 64
Shadrinsk	C	C	L													3	9	Oct 64
Svobodnyy	C	C	C	C	C	C	C	C							7	1	17	Nov 64
Teykovo	C	C	C	C	C	C									6		12	Oct 64
Tyumen	C		⊙												2		4	Oct 64
Uzhor	M	M	M	M	M	M										6	6	Sep 64
Verkhaya Saida	C	C	C	C	C	C	C	C	C						7	2	20	Oct 64
Yedrovo	C	C	C	C	C	C	C		C						6	2	15	Oct 64
Yoshkar-Ola	C	C	C	C	C	C									6		12	Nov 64
Yurya	C	C	C	C	C	C	C	C	C	C	C				8	3	25	Nov 64
Zhangiz Tobo	M	M	M	M	M											5	5	Oct 64
Construction Status (C-complete, L-late, M-mid, E-early)														Deployment Total	77	64	268	
Tyuratam MTC	C	C	C	C	C	C	L	C	M	M	M				10	9	35	Nov 64
Grand Total														87	73	303		

\*Includes Launch Points I-IV, complete \*\*Carried as Launch Group \*\*\*Total does not include two SSM pads at Launch Area F  
 † Possible  
 □ Newly identified  
 ⊙ 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	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	3	1	4	10	36
Far Eastern	11	1		2	14	54
Totals	137	15	21	20	193	752

Totals do not include 70 fixed field-type sites with total of 255 launch positions 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	976	1	19	22	16	30	18	3	12	2	4	14	24**	1	1189
SA-3	197					1									108
SAM support facilities	196	1	4	5	3	6	2	1		1		4	6		232
Probable AMM complexes	3														3
AMM/SAM complexes	2***														2

\*Does not include 8 alternate sites. (4 in USSR; 4 in Egypt)      \*\*\*Includes 1 suspect complex.  
 \*\*Does not include 22 abandoned sites.

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Table 5. AIRCRAFT ACTIVITY

Airfield	Last Effective Coverage	Previous Significant Aircraft Count												Observed this Mission													
		BUNNY	BEAR	BLOOPER	BLOOPER	BUNNY	BUNNY	MANDRILL	MULLOW	FUDGER	FITTER	PSYCHO	PSYCHO	TOTALS	BUNNY	BEAR	BLOOPER	BLOOPER	BUNNY	BUNNY	MANDRILL	MULLOW	FUDGER	FITTER	PSYCHO	PSYCHO	TOTALS
Akhobinsk/Vladimirovka	Nov 64	19/B		22	5																						32
Alekseyevka	Oct 64			17		11																					44
Anisovo Gorodishche	Oct 64			18																							36
Arkhangel'sk/Kholm*	Feb 64																										0
Artem North	Sep 64			30																							30
Baranovich*	Oct 64			24	51																						29
Belaya	Oct 64			57																							57
Belaya Tserkov	Oct 64		6	63																							69
Bobruysk*	Oct 64			38																							38
Bortya NW	Nov 64			72																							72
Bykhov*	Oct 64			87†																							87
Chepelevka*	Oct 64			39																							39
Chernovo-Glinskoye	Oct 64			10																							10
Dolon*	Oct 64		22 B/B	262																							28
Engels*	Oct 64		25	12																							36
Gomel Prbytki	Oct 64			9	26																						45
Kalinin*	Nov 64			52																							52
Kalininograd/Proveron	Oct 64			10	37																						47
Karankut	Jul 64			27†																							27
Kazan A/C Pli 22	Nov 64			3	11																						26
Khorol East	Nov 64																										0
Mal Yavr	Nov 64			77																							77
Melitopol	Mar 64			8									2														10
Minsk/Machulishche*	Aug 64			(NO AIRCRAFT)																							
Mirgorod	Oct 64			34																							34
Moscow/Ramenskoye	Oct 64		6 B/C	15**	5	1			32																		36
Mozdok*	Aug 64			(NO AIRCRAFT)																							
Nezhisa	Oct 64			23																							23
Nikolayev Kulbakino	Dec 63			51																							51
Oktyabrskoye	Dec 63																										0
Olesegorsk	Jun 64			10																							10
Ovcha Southwest*	Oct 64			35																							35
Ostrov Gorokhovka	Oct 64			26																							26
Petropavlovsk/Yelizovo	Mar 64																										0
Poltava*	Oct 64			61																							61
Priluki*	Oct 64			27																							27
Romanovka West	Apr 64			20						4																	24
Ryazan/Dyagilevo	Nov 64		5†	17																							22
Saki	Sep 64		B/B	22	5																						27
Sarabuz	Mar 64			18																							18
Severomorsk	Mar 64			2																							2
Siadliu*	Oct 64		221 B/B																								22
Soltay*	Oct 64			27																							27
Spasak Dalniy East	Nov 64			21																							24
Stroy*	Oct 64			30																							30
Tartu	Jul 64			25†																							25
Ukraina*	Nov 64		42 B/B																								42
Usaruyak Vozdvizhenka*	Sep 64			56																							56
Zhitomir/Stomorkh*	Oct 64			2																							2
TOTALS			41	86	1024	113	1			3	4		2	1348													
			72 B/B																								

NONE OBSERVED

\*NUCLEAR WEAPONS STORAGE † POSSIBLE ‡ PROBABLE \*\*BADGER/CAMEL \*\*\*PLUS † BADGER/CAMEL/COONPOT B/C BEAR/CLEAT

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Table 6. Submarine Activity.

Base	Last Effective Coverage	Previous Submarine Count										Observed this Mission										TOTALS						
		SSBY, H-class	SSBY, E-class	SSB, G-class	SSB, Z	SSG, J-class	SSG, W-Longfin	SSY, X-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, G-class	SS, Unidentified (Type 105, 105B)	SSBY, H-class	SSBY, E-class	SSB, G-class	SSB, Z	SSG, J-class	SSG, W-Longfin	SSY, X-class		SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, G-class	SS, Unidentified (Type 105, 105B)
		W/R													W/R													
Balaklava	Sep 64												51	W/R												5		
Dunay	Sep 64															1										1		
Gorkiy	Jun 64																	2								2		
Kronshtadt	Oct 64																		9							9		
Komsomolsk	Nov 64																									0		
Leningrad	Jul 64																								51		5	
Liepaya	Nov 64												12	W/R		41										10		
Litsa Bay	Aug 64																									4		
Magadan	Jun 64															31										3		
Olenya Guba	Jul 64																									3		
Pechenga	Jun 64																				3	W/R				41	7	
Petrovskiy/ Kamchatskiy	Sep 64												11	F/Z	31	W/R									21	17		
Petrovka	Sep 64																									31	6	
Polarnyy	Aug 64																									10	10	
Riga	Aug 64																									11	1	
Rosta	Jun 64																								41	20		
Sayda Guba	Sep 64																									6	6	
Sevastopol	Sep 64																									9	10	
Severodvinsk	Aug 64																									31	3	
Severomorsk	Jan 64																									11	1	
Sovetskaya Gavan	Oct 64																									3	7	
Strelak Strait	Sep 64																									21	4	
Tallinn	Aug 64																										0	
Ura Guba	Jul 64																									51	15	
Vladimir	Jun 64																									31	3	
Vladivostok	Sep 64																										0	
Yokanga	Jul 64																									41	4	
TOTALS													5	8	1	1	9	F/Z							12	87	102	
																											38	W/R

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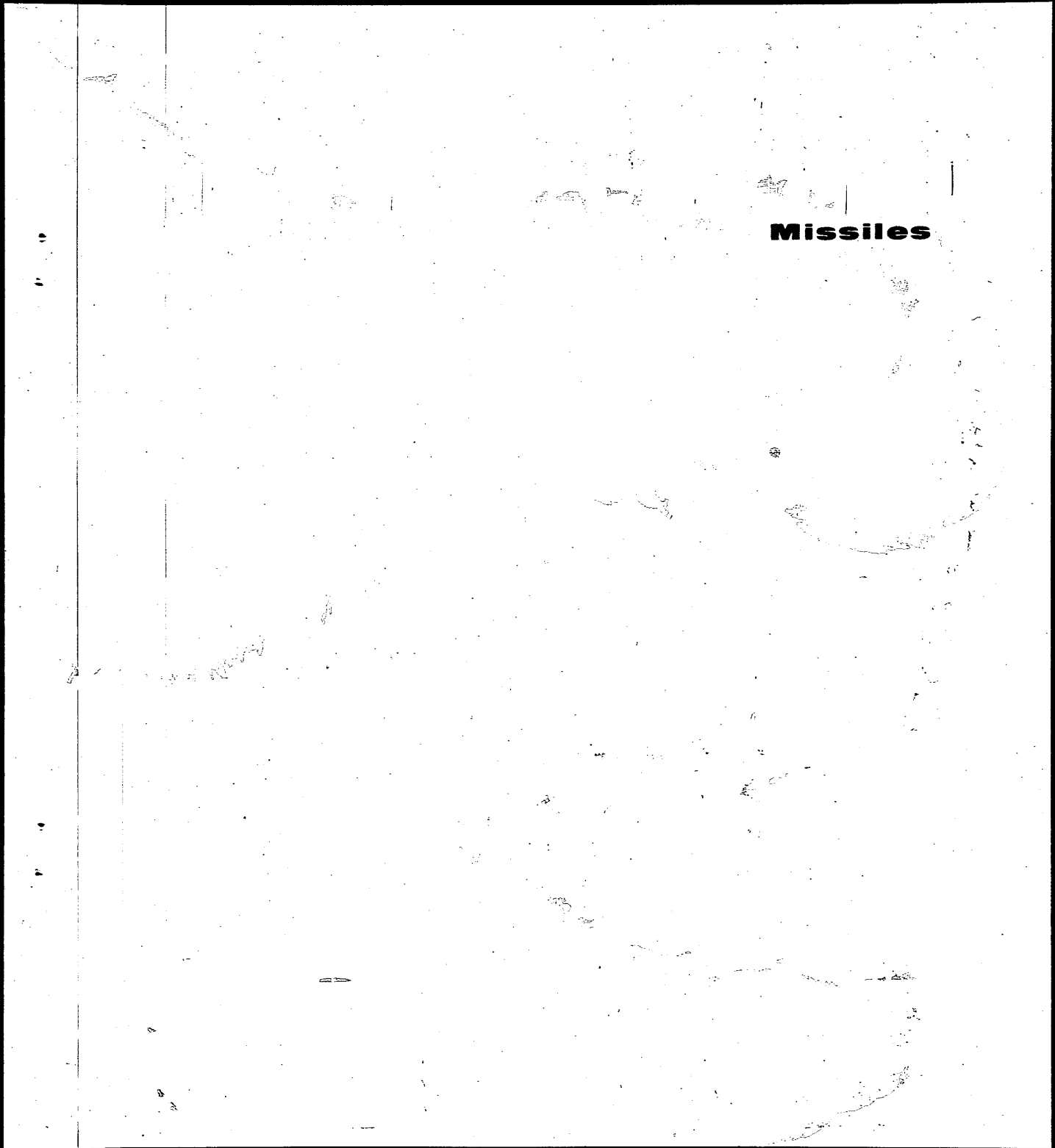
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MISSILES

[REDACTED] DROVYANAYA ICBM LAUNCH AREA A (SITE 1) UR 5125N 11300E

LAUNCH AREA A IS COVERED BY CLEAR NON-STEREO PHOTOGRAPHY. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE APPARENT SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IIB LAUNCH SITE.

[REDACTED] DROVYANAYA ICBM LAUNCH AREA B (SITE 2) UR 5125N 11304E

LAUNCH AREA B IS COVERED BY CLEAR, NON-STEREO PHOTOGRAPHY. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE APPARENT SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IIIA LAUNCH SITE AND ASSOCIATED RIM FACILITY.

[REDACTED] DROVYANAYA ICBM LAUNCH AREA C (SITE 4) UR 5127N 11303E

LAUNCH AREA C IS COVERED BY CLEAR, NON-STEREO PHOTOGRAPHY. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE APPARENT SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IID LAUNCH SITE.

[REDACTED] DROVYANAYA ICBM LAUNCH AREA D (SITE 3) UR 5120N 11301E

LAUNCH AREA D IS COVERED BY CLEAR NON-STEREO PHOTOGRAPHY. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE APPARENT SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IID LAUNCH SITE.

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**DROVYANAYA ICBM LAUNCH AREA E (SITE 5) UR 5122N 11250E**

LAUNCH AREA E IS COVERED BY CLEAR, NON-STEREO PHOTOGRAPHY. THE MISSILE-READY BUILDINGS [REDACTED] LOCATED AT OPPOSITE ENDS OF THE LOOP ROAD. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE APPARENT SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IIIA LAUNCH SITE.

**DROVYANAYA ICBM LAUNCH AREA F (SITE 6) UR 5120N 11254E**

LAUNCH AREA F IS COVERED BY CLEAR, NON-STEREO PHOTOGRAPHY. THE MISSILE-READY BUILDINGS AND [REDACTED] LOCATED AT OPPOSITE ENDS OF THE LOOP ROAD. SNOW COVER PRECLUDES A DETAILED INTERPRETATION, HOWEVER, THERE IS NO SIGNIFICANT CHANGE SINCE [REDACTED] NOV 64 IN THE COMPLETED TYPE IIIA LAUNCH SITE.

**TYUMEN ICBM LAUNCH AREA C (SITE 2) UR 5650N 06526E**

LAUNCH AREA C IS COVERED BY POOR QUALITY OBLIQUE STEREO PHOTOGRAPHY. NO APPARENT CHANGE SINCE [REDACTED] OCT 64 IN THE COMPLETED TYPE IIC LAUNCH SITE.

**IMENI GASTELLO ICBM COMPLEX UR 5107N 06619E**

LAUNCH AREA F (51-14N 066-06E), A NEWLY IDENTIFIED LAUNCH AREA IN THE MID-STAGE OF CONSTRUCTION, IS LOCATED APPROXIMATELY 3.5 NM AND 4.2 NM RESPECTIVELY FROM LAUNCH AREAS C AND E. THE AREA IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. THIS LAUNCH AREA WAS NOT PRESENT ON [REDACTED] JUL 64, BUT CONSTRUCTION COULD BE IDENTIFIED ON

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[REDACTED] NOV 64. THE SITE CONSISTS OF A TYPICAL U-SHAPED EXCAVATION CONTAINING A CORING APPROXIMATELY [REDACTED] THERE IS A CHARACTERISTIC PREPARED EARTHEN AREA ON TWO SIDES OF THE EXCAVATION. SECURITY FENCING, NOT CLEARLY VISIBLE ON THIS MISSION, CAN BE IDENTIFIED ON [REDACTED] NOV 64.

(ATTACHMENT 1)

[REDACTED]  
[REDACTED] IMENI GASTELLO ICBM LNCH AREA A (SITE 1) UR 5103N 06606E

LAUNCH AREA A IS COVERED BY GOOD QUALITY STEREO COVERAGE. LOW SUN ANGLE LIMITS INTERPRETATION. THE SITE IS IN A MID-STAGE OF CONSTRUCTION AND A POSSIBLE SILO STRUCTURE IS PRESENT IN THE EXCAVATION. GRADING FOR A LOOP ROAD HAS BEEN STARTED AND THERE ARE AT LEAST 6 SHED-TYPE BUILDINGS IN THE VICINITY OF THE EXCAVATION. NO SECURITY FENCE IS OBSERVED. THERE ARE 8 RECTANGULAR BUILDINGS, ONE T-SHAPED BUILDING, AND 3 SMALLER BUILDINGS LOCATED APPROXIMATELY 2,400 FEET NW OF THE EXCAVATION. THERE IS A ROW OF 6 OTHER SMALLER BUILDINGS APPROXIMATELY 4,700 FEET NNW OF THE SILO.

(ATTACHMENT 2)

[REDACTED]  
[REDACTED] IMENI GASTELLO ICBM LNCH AREA B (SITE 2) UR 5106N 06602E

LAUNCH AREA B IS COVERED BY GOOD QUALITY NON-STEREO PHOTOGRAPHY. LOW SUN ANGLE AND LIGHT SNOW COVER LIMIT INTERPRETATION. THE SITE IS IN A MID-STAGE OF CONSTRUCTION WITH A SILO CORING AND SEVERAL SHEDS NEAR THE EXCAVATION. THE ENTIRE LAUNCH SITE IS ENCLOSED BY A FENCE AND AN INNER FENCE ENCLOSES THE IMMEDIATE AREA OF THE SILO EXCAVATION. THERE ARE 8 RECTANGULAR BUILDINGS, ONE T-SHAPED BUILDING, AND 4 SMALLER BUILDINGS LOCATED 3,550 FEET ENE OF THE SILO EXCAVATION.

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**(ATTACHMENT 3)**

[REDACTED] IMENI GASTELLO ICBM LNCH AREA C (SITE 3) UR 5110N 06606E

LAUNCH AREA C IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. LOW SUN ANGLE, LIGHT HAZE, AND LIGHT SNOW COVER LIMIT INTERPRETATION. THE SITE IS IN A MID-STAGE OF CONSTRUCTION AND IS ENCLOSED BY A VERY LARGE FENCE WHICH PREDATES THE SITE. A PROBABLE SILO IS PRESENT IN THE EXCAVATION. EIGHT RECTANGULAR, ONE T-SHAPED AND 3 SMALLER BUILDINGS ARE LOCATED 2,250 FEET NORTH OF THE EXCAVATION.

**(ATTACHMENT 4)**

[REDACTED] IMENI GASTELLO ICBM LNCH AREA D (SITE 4) UR 5107N 06613E

LAUNCH AREA D IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. LOW SUN ANGLE AND LIGHT SNOW COVER LIMIT INTERPRETATION. THE SITE IS IN A MID-STAGE OF CONSTRUCTION. A SOLID FENCE ENCLOSES THE IMMEDIATE AREA OF THE SILO EXCAVATION AND A SILO OR SILO CORING IS PRESENT WITHIN THE EXCAVATION. THE INITIAL GRADING FOR A LOOP ROAD IS PRESENT. THERE IS A GENERALLY RECTANGULAR EXCAVATION LOCATED JUST OUTSIDE THE SOUTHEAST CORNER OF THE SOLID FENCE AND 2 RECTANGULAR BUILDINGS ARE LOCATED APPROXIMATELY 1,300 FEET SOUTHWEST OF THE EXCAVATION. THERE IS AN UNUSUALLY LARGE FENCE UNDER CONSTRUCTION AROUND MOST OF THE ABOVE FEATURES. THERE ARE 7 RECTANGULAR BUILDINGS, ONE T-SHAPED BUILDING, AND 4 SMALLER BUILDINGS LOCATED APPROXIMATELY 3,200 FEET SOUTH OF THE SILO EXCAVATION.

**(ATTACHMENT 5)**

25X1

25X1

25X1

25X1

25X1

25X1

25X1

**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

25X1

IMENI GASTELLO ICBM LNCH AREA E (SITE 5) UR 5113N 06613E

25X1

LAUNCH AREA E IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. LOW SUN ANGLE, HAZE, AND LIGHT SNOW COVER LIMIT INTERPRETATION. THE SITE IS IN A MID-STAGE OF CONSTRUCTION. A PROBABLE SILO OR SILO CORING CAN BE IDENTIFIED. THERE ARE AT LEAST 3 SHED-TYPE BUILDINGS NEAR THE EXCAVATION AND INITIAL GRADING FOR A LOOP ROAD IS NOW PRESENT. NO SECURITY FENCING IS IDENTIFIED. EIGHT RECTANGULAR BUILDINGS, A T-SHAPED BUILDING, AND 2 SMALLER BUILDINGS ARE LOCATED APPROXIMATELY 2,550 FEET SOUTH OF THE SILO EXCAVATION.

(ATTACHMENT 6)

25X1

BAYRAM-ALI IRBM LAUNCH SITE UR 3746N 06212E

25X1

THE BAYRAM-ALI IRBM LAUNCH AREA, ONE OF THE 9 SINGULARLY-DEPLOYED MRBM-IRBM LAUNCH AREAS IN THE USSR THAT DO NOT HAVE SITE SUPPORT FACILITIES, IS COMPLETELY COVERED BY CLEAR, GOOD QUALITY PHOTOGRAPHY.

THE LAUNCH AREA, REPORTED AS HAVING THE RIM BUILDING AND 2 BARRACKS-TYPE BUILDINGS REMOVED ON SEP 64, HAS APPARENTLY BEEN RENDERED FURTHER INOPERATIVE BY THE DESTRUCTION OF THE 4 READY-BUILDINGS, THE 4 SMALLER CONTROL BUNKERS, THE EASTERN CENTRAL CONTROL BUNKER, AND THE SMALL BUILDING ADJACENT TO EACH LAUNCH POSITION. THE ONLY BUILDINGS UNCHANGED ARE 3 CONTROL BUILDINGS AND THE WESTERN CENTRAL CONTROL BUNKER. THREE OF THE CONCRETE LAUNCH PADS ALSO APPEAR TO BE UNCHANGED ALTHOUGH PORTIONS OF THE ACCESS ROADS HAVE BEEN SCRAPED OR PLOWED. SCARRING ALSO INDICATES THAT THE SECURITY FENCES HAVE BEEN BROKEN IN SEVERAL PLACES. BASED ON THIS ANALYSIS THE LAUNCH AREA IS DROPPED FROM THE ORDER OF BATTLE.

25X1

25X1

(ATTACHMENT 7)

25X1

TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

25X1  
25X1

PAO-CHI AREA INDUSTRIAL COMPLEX CH 3421N 10707E

NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] JUN 63. PRODUCTS AND DEGREE OF ACTIVITY AT THIS FABRICATION INDUSTRY CANNOT BE DETERMINED FROM THIS OBLIQUE PHOTOGRAPHY. NO STATIC TEST FACILITIES OBSERVED WITHIN 12-NM RADIUS OF PAO-CHI. HOWEVER, ALL OF THE TERRAIN WAS NOT VISIBLE DUE TO OBLIQUITY.

25X1  
25X1  
25X1

ANTIPINSKOYE SAM ACTIVITY UR 5254N 11332E

THE MIRROR-IMAGE LAUNCH SITES PREVIOUSLY REPORTED UNDER CONSTRUCTION IN THE SOUTHERNMOST CLEARED AREA ARE NOW COMPLETE. THE SOUTHERNMOST OF THESE TWO SITES IS OCCUPIED, WITH EQUIPMENT IN THE CENTRAL GUIDANCE AREA AND 5 OF THE 6 LAUNCH POSITIONS. THE EQUIPMENT IN THE CENTRAL GUIDANCE AREA CONSISTS OF AN UNDETERMINED NUMBER OF POSSIBLE VANS OR VEHICLES, AND A TOWER-LIKE OBJECT WITH A SHADOW INDICATING THAT IT IS APPROXIMATELY 28 FEET HIGH. FIVE OF 6 LAUNCH POSITIONS ARE OCCUPIED WITH A PIECE OF EQUIPMENT APPROXIMATELY [REDACTED] THE REMAINING SITE IN THIS SOUTHERNMOST AREA IS UNOCCUPIED BUT IS COMPLETE WITH 6 LAUNCH POSITIONS AND A CENTRAL GUIDANCE AREA.

25X1  
25X1

THERE HAS BEEN NO SIGNIFICANT CHANGE IN THE PERMANENT FACILITIES IN THE REMAINING AREAS, HOWEVER, THERE IS AN INCREASE IN THE VEHICLES AND EQUIPMENT LOCATED IN THESE AREAS. BOTH OF THE MIRROR IMAGE SITES LOCATED IN THE CENTRAL CLEARING ARE OCCUPIED. FIVE OF THE 6 LAUNCH POSITIONS IN EACH OF THE TWO SITES ARE OCCUPIED WITH PIECES OF EQUIPMENT APPROXIMATELY 33 FEET LONG. BOTH GUIDANCE AREAS ARE OCCUPIED WITH AN UNDETERMINED NUMBER OF VEHICLES OR VANS AND A TOWER LIKE OBJECT WITH A SHADOW INDICATING THAT IT IS APPROXIMATELY [REDACTED] THE SINGLE SITE LOCATED IN THE NORTHERN CLEARING

25X1  
25X1  
25X1

25X1

**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

25X1  
ZJA1

IS UNOCCUPIED, HOWEVER, THERE ARE APPROXIMATELY 15 VEHICLES AND/OR PIECES OF EQUIPMENT PARKED ADJACENT TO THE NORTHWEST SIDE OF THE SITE.

THERE IS NO EVIDENCE OF CABLES BETWEEN ANY OF THE LAUNCH SITES. THE MOTOR POOL AREA LOCATED ESE OF THE MAIN SUPPORT AREA CONTAINS APPROXIMATELY 40 VEHICLES RANGING IN SIZE FROM 15 FEET TO 25 FEET. THE TWO AREAS OF ACTIVITY LOCATED SOUTH OF THE MAIN ACCESS ROAD ARE ACTIVE, AND EACH CONTAINS AN UNDETERMINED NUMBER OF PROBABLE VEHICLES.

(ATTACHMENT 8)

POTI CRUISE-MISSILE LAUNCH SITE UR 4210N 04139E

LAUNCH SITE COVERED BY GOOD QUALITY MONOSCOPIC PHOTOGRAPHY. SITE CONSISTS OF 2 OCCUPIED LAUNCH POSITIONS, ONE OF WHICH HAS A PROBABLE CANVAS-COVERED MISSILE ON THE LAUNCHER. A GUIDANCE AREA LOCATED TO THE REAR OF THE NORTHERN LAUNCH POSITION CONTAINS A POSSIBLE SHEET BEND RADAR AND A POSSIBLE TOWER-MOUNTED RADAR. FIVE PROBABLE CONTROL VANS ARE POSITIONED AT THE REAR OF THE LAUNCH POSITIONS BETWEEN THE LAUNCHERS AND THE GUIDANCE AREA. SUPPORT FACILITIES INCLUDE A LARGE SUPPORT BUILDING WITH AN ASSOCIATED CONCRETE APRON. SIX UNIDENTIFIED PIECES OF EQUIPMENT AND 7 PROBABLE AT-S TRACKED ARTILLERY TRACTORS ARE POSITIONED ON THE WEST EDGE OF THE APRON. APPROXIMATELY 1.0 NM NORTH OF THE LAUNCH SITE IS A PROBABLE CRUISE-MISSILE ASSOCIATED SUPPORT FACILITY CONTAINING ONE LARGE AND ONE SMALL DRIVE-THROUGH BUNKER, ONE LARGE AND 2 SMALL SUPPORT-TYPE BUILDINGS AND 2 CIRCULAR REVETMENTS WITH AN UNIDENTIFIED OBJECTS POSITIONED IN THE NORTHERN REVETMENT. WITHIN THE SUPPORT FACILITY ARE 5 PROBABLE CRUISE-MISSILE CRATES, 4 LOCATED OPPOSITE THE LARGE SUPPORT BUILDING AND THE FIFTH LOCATED SOUTH OF THE LARGE DRIVE-THROUGH BUNKER.

25X1

25X1

25X1

**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964



NPIC/R-5092/64

25X1

(ATTACHMENT 9)



25X1

BONUS BATUMI SAM SITE UR 4137N 04136E

A COMPLETED SA-2 SITE IS NEWLY IDENTIFIED 2.5 NM SW OF BATUMI AT 41-37-45N 041-36-00E.



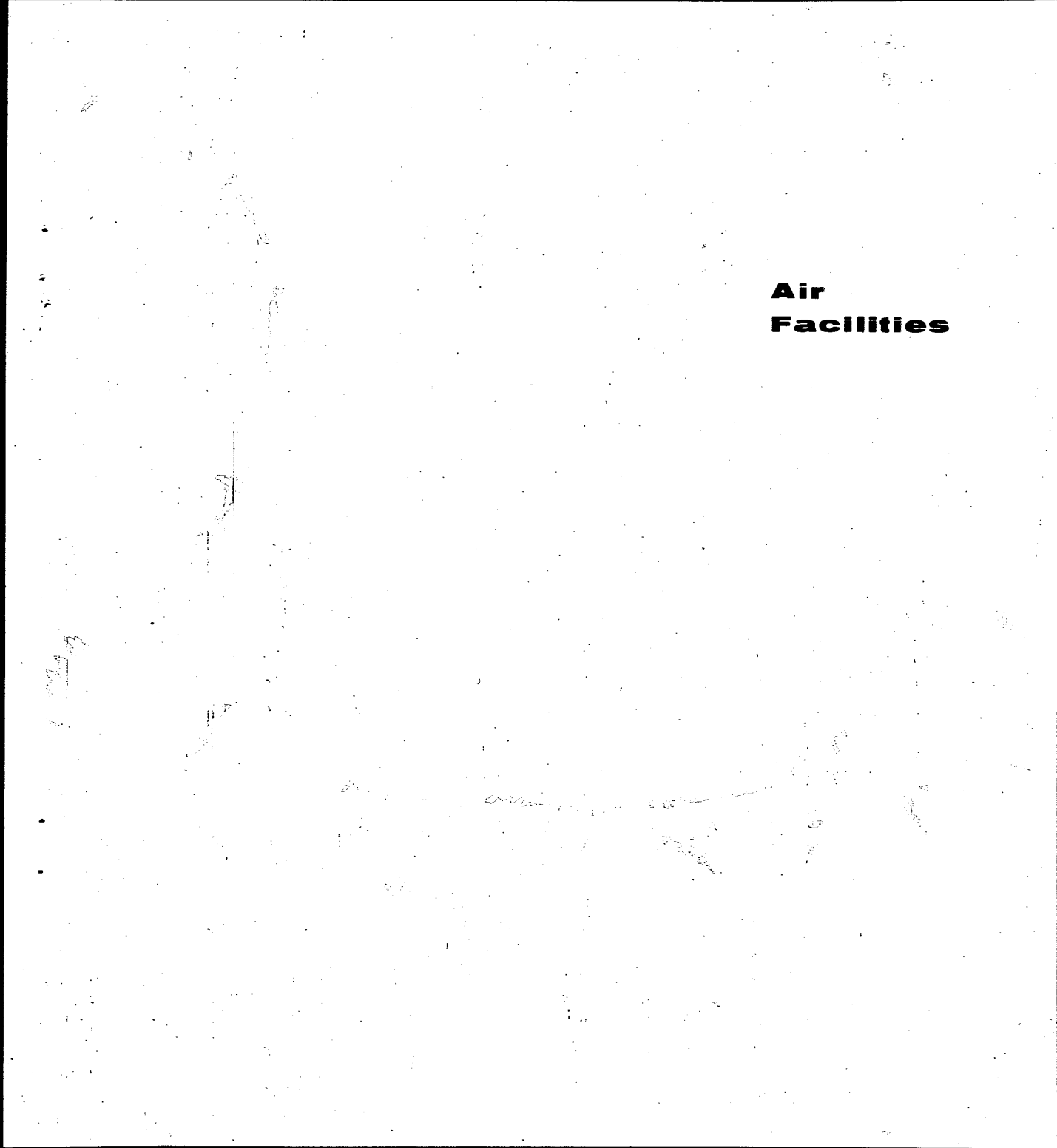
25X1

**TOP SECRET CHESS RUFF**



25X1

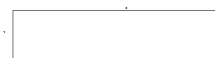
**Air  
Facilities**





**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964



NPIC/R-5092/64

25X1

**AIR FACILITIES**



**SONDONG-NI AIRFIELD KN 3944N 12728E**

**NO APPARENT CHANGE SINCE [REDACTED] NOV 64.**

**AIRCRAFT -- 32 FAGOT/FRESCO, 1 SMALL STRAIGHT-WING.**

**NO RADAR AND COMMUNICATION FACILITIES OBSERVED.**



25X1

25X1

25X1



**HOEMUN-DONG AIRFIELD KN 4125N 12939E**

**AIRCRAFT -- 47 FAGOT/FRESCO.**

**NO APPARENT CHANGE SINCE [REDACTED] JUN 64.**

**NO RADAR OR COMMUNICATION FACILITIES OBSERVED.**

**PUKCHANG-NI AIRFIELD [REDACTED] NOT COVERED.**

25X1

25X1

25X1



25X1



**KUN-MING AIRFIELD CH 2459N 10244E**

**APPROXIMATELY 80 PERCENT OF AIRFIELD IS CLOUD COVERED. NO APPARENT CHANGE SINCE [REDACTED] AUG 63. NO RADAR OBSERVED.**

**AIRCRAFT -- 9 FAGOT/FRESCO AND 6 PROBABLE FAGOT/FRESCO.**

25X1

25X1



25X1



**GUDAUTA AIRFIELD UR 4306N 04035E**

**PROBABLE GCI/GCA SITE LOCATED WEST OF SOUTH END OF RUNWAY.**

**AIRCRAFT -- 23 FAGOT/FRESCO, 4 FIREBAR/FLASHLIGHT, 4 POSSIBLE FIREBAR/FLASHLIGHT.**

25X1

25X1





**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

A PROBABLE AIR WARNING RADAR FACILITY, LOCATED 1 NM WNW OF AIRFIELD, CONTAINS 4 PARALLEL RADAR MOUNDS, A PROBABLE MOUND, A SUPPORT/CONTROL AREA WITH 2 LARGE BUILDINGS, 2-3 SMALL BUILDINGS, A PROBABLE COOLING POND, 5-6 SMALL UNIDENTIFIED POSITIONS OR HOLES IMMEDIATELY NORTH OF THE CONTROL/SUPPORT AREA, AND A PARKING APRON. TWO OR THREE PROBABLE BUILDINGS ARE LOCATED JUST SOUTH OF THE FACILITY.

SIX VEHICLES/VANS ARE LOCATED BETWEEN THE RADAR MOUNDS AND THE SUPPORT/CONTROL AREA, AND 2 VEHICLES/VANS ARE PARKED IMMEDIATELY EAST OF HARDSTAND.

[REDACTED]  
TIKHORETSK AIRFIELD UR 4553N 04006E

NO ELECTRONIC OR COMMUNICATION FACILITIES OBSERVED.

AIRCRAFT -- AT LEAST 80 SMALL SWEEP-WING OBSERVED.

[REDACTED]  
POTI AIRFIELD EAST UR 4210N 04142E

NO APPARENT CHANGE SINCE [REDACTED] DEC 60.

AIRCRAFT -- NONE OBSERVED.

[REDACTED]  
RAS BANAS AIRFIELD EG 2358N 03528E

NO APPARENT CHANGE SINCE [REDACTED] SEP 64.

AIRCRAFT -- NONE OBSERVED.

BONUS POLONIA AIRFIELD ID 0334N 09841E

SOUTH EDGE OF MEDAN.

25X1  
25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

**TOP SECRET CHESS RUFF**

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NPIC/R-5092/64

25X1  
25X1

**7,850 BY 170 FT NNE/SSW BLACKTOP RUNWAY, SERVICEABLE.  
AIRCRAFT -- 4 BADGER, 1 BEAGLE AND 6 FISHBED.  
(ATTACHMENT 10)**

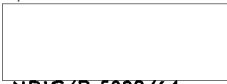
25X1

25X1

**Naval  
Activity /  
Ports**



**TOP SECRET CHESS RUFF**



25X1

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

**NAVAL ACTIVITY/PORTS**

25X1



**BELAWAN PORT FACILITIES ID 0347N 09842E**

FACILITIES INCLUDE ONE 6,000-FT RAIL-SERVED QUAY WITH APPROXIMATELY 16 LARGE SUPPORT BUILDINGS ALONG FACE, ONE LARGE OFF-SHORE WHARF 800-FT LONG, 4 T-HEAD PIERS, ONE MARINE RAILWAY, AND A CARGO RAIL TRANSFER FACILITY. A POL STORAGE AREA WITH 51 TANKS IS LOCATED IN THE MIDDLE OF THE QUAY. A SECOND POL STORAGE AREA WITH 9 LARGE AND 3 SMALL TANKS IS LOCATED TO THE SOUTH.

VESSELS -- 3 LARGE CARGO VESSELS, 6 COASTAL FREIGHTER, 2 COASTAL TANKER AND APPROXIMATELY 20 SMALL VESSELS MOORED TO QUAY OR AT ANCHOR IN HARBOR APPROACHES.



25X1



**POTI NAVAL BASE & SHIPYARD YELYAVA 201 UR 4209N 04139E**

25X1

THE ONLY MISSILE STORAGE AND HANDLING EQUIPMENT IN THE AREA IS PROBABLY SAM AND CRUISE-MISSILE-ASSOCIATED.

VESSELS AT NAVAL BASE -- 3 PROBABLE RIGA DE WITH POSSIBLY MODIFIED PRIMARY ARMAMENT, 34 SMALL PC TUGS AND TRAWLERS.

VESSELS IN PORT FACILITIES -- 4 DRY CARGO VESSELS ALONGSIDE, ONE FLOATING DRYDOCK, OCCUPIED, 2 FLOATING CRANES, SEVERAL MINOR CRAFT.



25X1



25X1

**Electronics/  
Communications**

**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

**ELECTRONICS/COMMUNICATIONS**

**TYURATAM INSTRUMENTATION SITE UR 5014N 06510E**

6 NM NW OF AMANGELDY. THERE IS NO SIGNIFICANT CHANGE AT THE SITE SINCE [REDACTED] SEP 64, ALTHOUGH MORE DETAIL CAN BE OBSERVED THAN ON PREVIOUS PHOTOGRAPHY. THE INTERFEROMETER IS CLEARLY EVIDENT AND TRACK ACTIVITY TO AND FROM THE CENTRAL CONTROL BUNKER INDICATE THAT IT IS ACTIVE. THERE IS NO APPARENT CONSTRUCTION ACTIVITY AT THE SITE NOR CAN ANY ANTENNA, OTHER THAN THE INTERFEROMETER, BE IDENTIFIED. AT LEAST 5 VEHICLES AND 7 PROBABLE VEHICLES ARE PARKED IN THE NORTH SECTION OF THE SITE CONTROL/SUPPORT AREA AND THERE IS A ROW OF UNIDENTIFIED EQUIPMENT NEAR THE CENTER OF THIS AREA. HAZE, SNOW, AND NON-STEREO PHOTOGRAPHY PRECLUDE FURTHER INTERPRETATION.

25X1

25X1

25X1

25X1

25X1

**Military  
Activity**



**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964



NPIC/R-5092/64

25X1  
25X1

MILITARY ACTIVITY



HUNGDOI-DONG/HAMHUNG AAA DEFENSES KN 3948N 12740E

25X1

THE FOLLOWING MILITARY ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE HAMHUNG-HUNGNAM AREA -- SMALL PROBABLE BARRACKS AREA (39-59N 127-38E) 6 NM NE OF HAMHUNG WITH ONE ADMINISTRATION, 11 BARRACKS, APPROXIMATELY 8 SUPPORT BUILDINGS AND A POSSIBLE VEHICLE PARK. SIX-GUN AAA SITE (39-52N 127-53E) 4 NM SE OF HAMHUNG. SIX-GUN AAA SITE (39-49N 127-34E) 6 NM SOUTH OF HAMHUNG.

APPROXIMATELY 100 REVETTED EXPLOSIVES STORAGE BUILDINGS ASSOCIATED WITH A PROBABLE EXPLOSIVE PLANT, ARE LOCATED IN SW SECTION OF HUNGNAM.

QUALITY OF COVERAGE PRECLUDES IDENTIFICATION OF NEW CONSTRUCTION. AREA COVERED BY GOOD QUALITY OBLIQUE PHOTOGRAPHY BUT PARTLY OBLSCURED BY SCATTERED CLOUDS AND HAZE.



25X1



ARMAVIR ARMY BARRACKS SOUTHEAST UR 4459N 04109E

25X1

IDENTIFICATION ONLY.



25X1



BATUMI ARMY BARRACKS EAST UR 4139N 04139E

25X1

AREA APPEARS OCCUPIED AND IN USE. NO TANKS OBSERVED.



25X1



BATUMI ARMY BARRACKS GOGOL UL UR 4138N 04140E

25X1

AREA APPEARS OCCUPIED AND IN USE. NO TANKS OBSERVED.



25X1



25X1



**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64



25X1



**BATUMI ARMY BARRACKS WEST UR 4138N 04137E**

**AREA OCCUPIED AND IN USE. NO TANKS OBSERVED.**



25X1

25X1



**BAYRAM-ALI ARMY BARRACKS SOUTHEAST UR 3737N 06210E**

**NO APPARENT CHANGE SINCE [REDACTED] AUG 64.**

**AREA OCCUPIED AND IN USE.**

**APPROXIMATELY 120 VEHICLES IN MOTOR POOL AREA.**



25X1

25X1



**MENG-MANG MILITARY AREAS CH 2117N 10118E**

**ONLY 4 SMALL MILITARY AREAS ARE VISIBLE THROUGH CLOUDS. ONE AREA CONTAINS 5 STORAGE BUILDINGS, ONE PROBABLE BARRACKS AND 3 SUPPORT BUILDINGS. A SECOND AREA CONTAINS 7 BARRACKS, ONE ADMINISTRATION, AND 3 SUPPORT BUILDINGS. A THIRD AREA CONTAINS 6 STORAGE AND 7 SUPPORT BUILDINGS. THE FOURTH AND NORTHERNMOST AREA CONTAINS ONE PROBABLE BARRACKS, 8 STORAGE, AND 7 SUPPORT BUILDINGS. ALL AREAS APPEAR TO BE OCCUPIED. NO OPEN STORAGE AREAS OBSERVED.**

**NO VEHICLES OR EQUIPMENT OBSERVED.**



25X1

25X1



**ARMAVIR MILITARY SUPPLY DEPOT UR 4500N 04106E**

**IDENTIFICATION ONLY.**



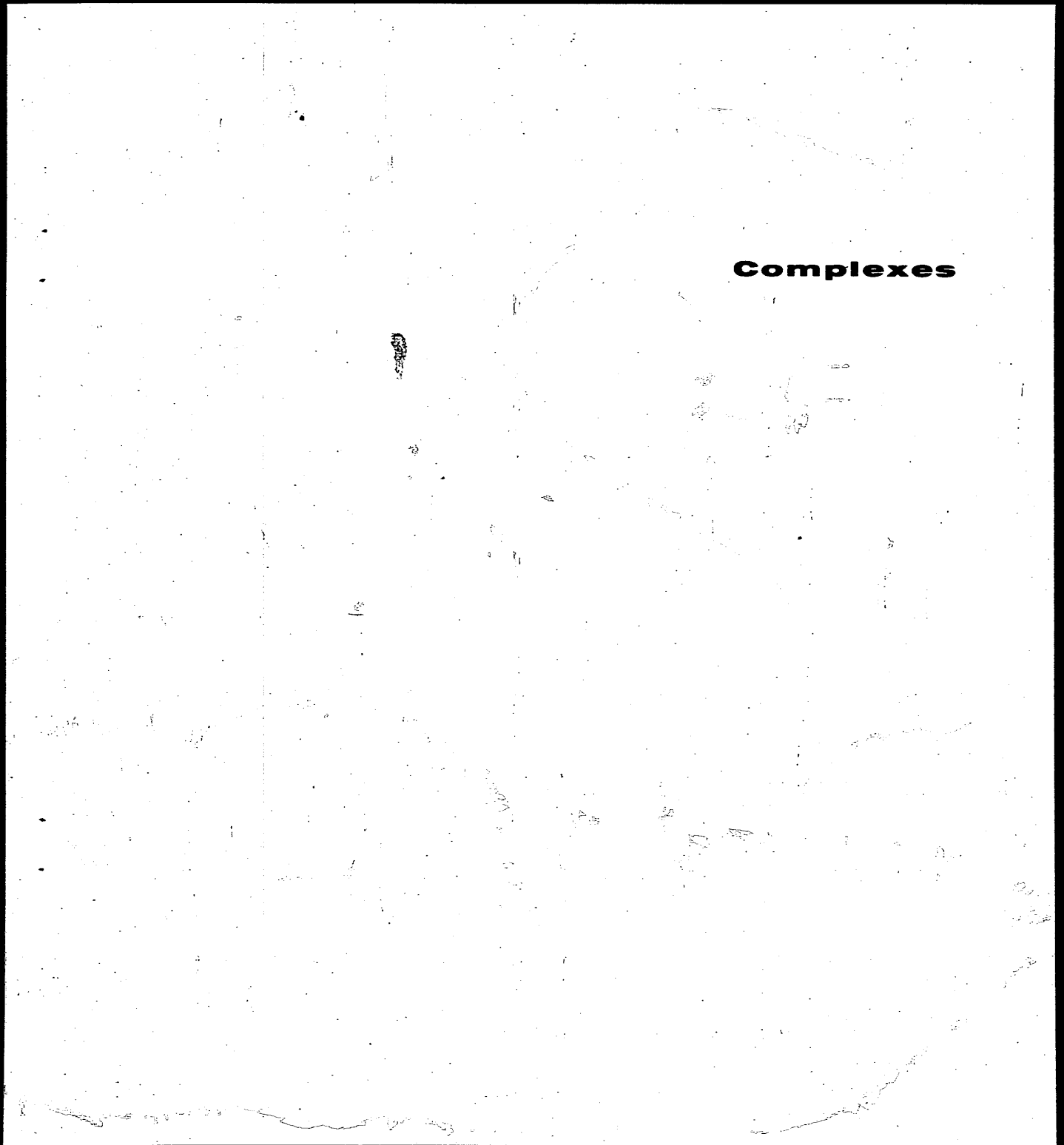
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25X1



**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64

25X1

COMPLEXES

[ ] KUN-MING COMPLEX CH 2504N 10241E

25X1

IDENTIFICATION ONLY.

25X1

[ ] MEDAN COMPLEX ID 0335N 09840E

25X1

MAJOR INDUSTRIAL ACTIVITY OBSERVED ON NEARLY  
CLOUD-FREE PHOTOGRAPHY INCLUDES AN UNIDENTIFIED  
LIGHT INDUSTRY NEAR THE CENTER OF TOWN AND A  
SMALL TEXTILE PLANT LOCATED AT PINDJAI 10 NM WEST  
OF MEDAN.

25X1

25X1

**Index**

## TOP SECRET CHESS RUFF

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NPIC/R-5092/64

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REPORTED DURING THE SCAN OF MISSION 4014.

COMOR	INSTALLATION NAME	CTY	COORDINATES
	DROVYANAYA ICBM LAUNCH AREA A (SITE 1)	UR	5125N 11300E
	DROVYANAYA ICBM LAUNCH AREA B (SITE 2)	UR	5125N 11304E
	DROVYANAYA ICBM LAUNCH AREA C (SITE 4)	UR	5127N 11303E
	DROVYANAYA ICBM LAUNCH AREA D (SITE 3)	UR	5120N 11301E
	DROVYANAYA ICBM LAUNCH AREA E (SITE 5)	UR	5122N 11250E
	DROVYANAYA ICBM LAUNCH AREA F (SITE 6)	UR	5120N 11254E
	TYUMEN ICBM LAUNCH AREA C (SITE 2)	UR	5650N 06526E
	IMENI GASTELLO ICBM COMPLEX	UR	5107N 06619E
	IMENI GASTELLO ICBM LNCH AREA A (SITE 1)	UR	5103N 06606E
	IMENI GASTELLO ICBM LNCH AREA B (SITE 2)	UR	5106N 06602E
	IMENI GASTELLO ICBM LNCH AREA C (SITE 3)	UR	5110N 06606E
	IMENI GASTELLO ICBM LNCH AREA D (SITE 4)	UR	5107N 06613E
	IMENI GASTELLO ICBM LNCH AREA E (SITE 5)	UR	5113N 06613E
	BAYRAM-ALI ICBM LAUNCH SITE	UR	3746N 06212E
	PAO-CHI AREA INDUSTRIAL COMPLEX	CH	3421N 10707E
	ANTIPINSKOYE SAM ACTIVITY	UR	5254N 11332E
	POTI CRUISE-MISSILE LAUNCH SITE	UR	4210N 04139E
	SONDONG-NI AIRFIELD	KN	3944N 12728E
	HOEMUN-DONG AIRFIELD	KN	4125N 12939E
	KUN-MING AIRFIELD	CH	2459N 10244E
	GUDAUTA AIRFIELD	UR	4306N 04035E
	TIKHORETSK AIRFIELD	UR	4553N 04006E
	POTI AIRFIELD EAST	UR	4210N 04142E
	RAS BANAS AIRFIELD	EG	2358N 03528E
	BELAWAN PORT FACILITIES	ID	0347N 09842E
	POTI NAVAL BASE & SHIPYARD YELYAVA 201	UR	4209N 04139E
	TYURATAM INSTRUMENTATION SITE	UR	5014N 06510E
	HUNGDOKI-DONG/HAMHUNG AAA DEFENSES	KN	3948N 12740E
	ARMAVIR ARMY BARRACKS SOUTHEAST	UR	4459N 04109E
	BATUMI ARMY BARRACKS EAST	UR	4139N 04139E
	BATUMI ARMY BARRACKS GOGOL UL	UR	4138N 04140E
	BATUMI ARMY BARRACKS WEST	UR	4138N 04137E
	BAYRAM-ALI ARMY BARRACKS SOUTHEAST	UR	3737N 06210E
	MENG-MANG MILITARY AREAS	CH	2117N 10118E
	ARMAVIR MILITARY SUPPLY DEPOT	UR	4500N 04106E
	KUN-MING COMPLEX	CH	2504N 10241E
	MEDAN COMPLEX	ID	0335N 09840E

**Attachments**

**TOP SECRET CHESS RUFF**

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 1

25X1  
25X1



LAUNCH AREA F, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6145 (12/64)

**TOP SECRET CHESS RUFF**

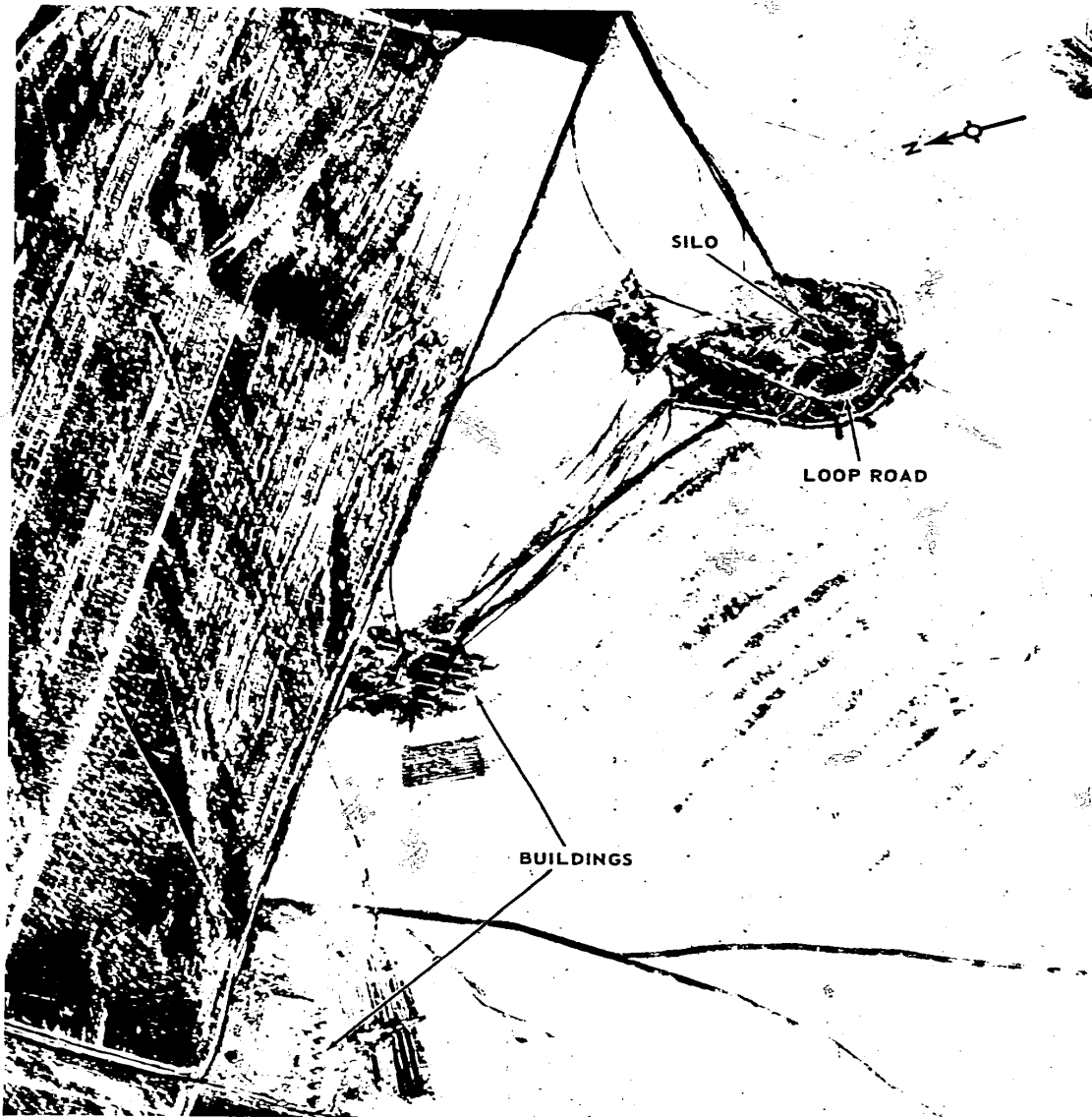
25X1

TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 2

25X1  
25X1



LAUNCH AREA A, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6146 (12/64)

TOP SECRET CHESS RUFF

25X1



TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 3

25X1  
ZJA I



LAUNCH AREA B, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6147 (12/64)

25X1

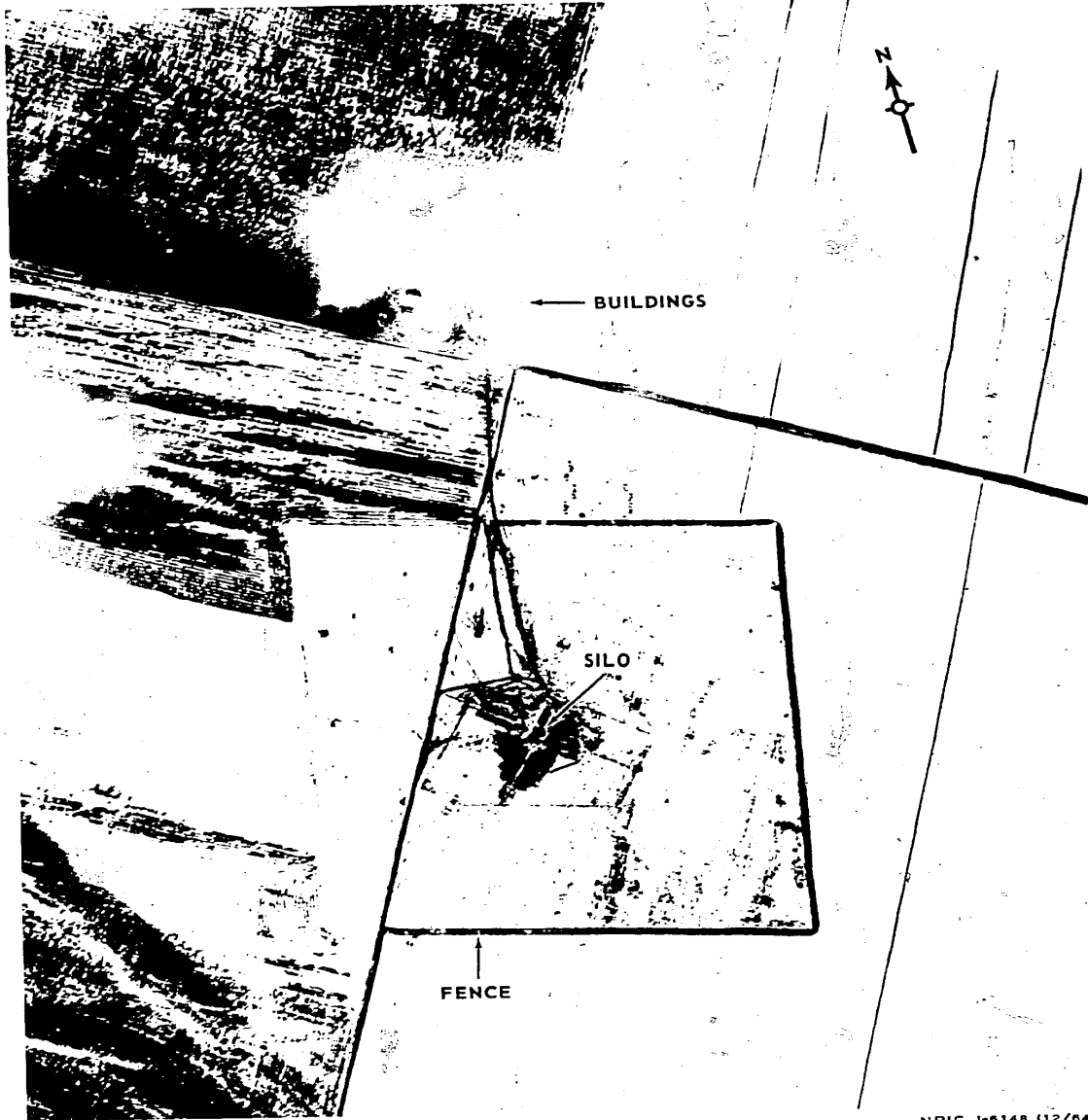
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 4

25X1



LAUNCH AREA C, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6148 (12/64)

25X1

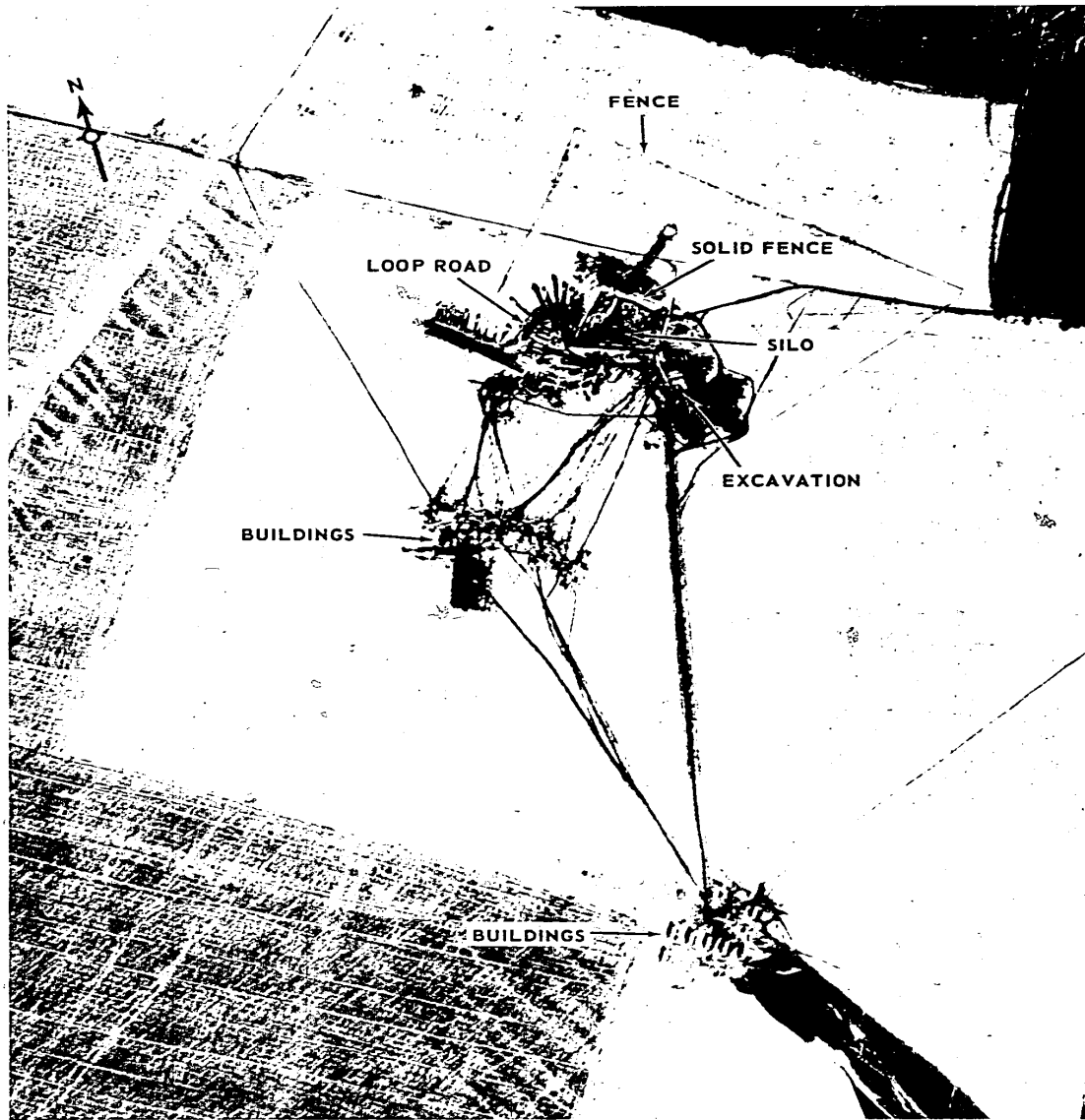
TOP SECRET CHESS RUFF

# TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 5

25X1  
25X1



LAUNCH AREA D, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6149 (12/64)

# TOP SECRET CHESS RUFF

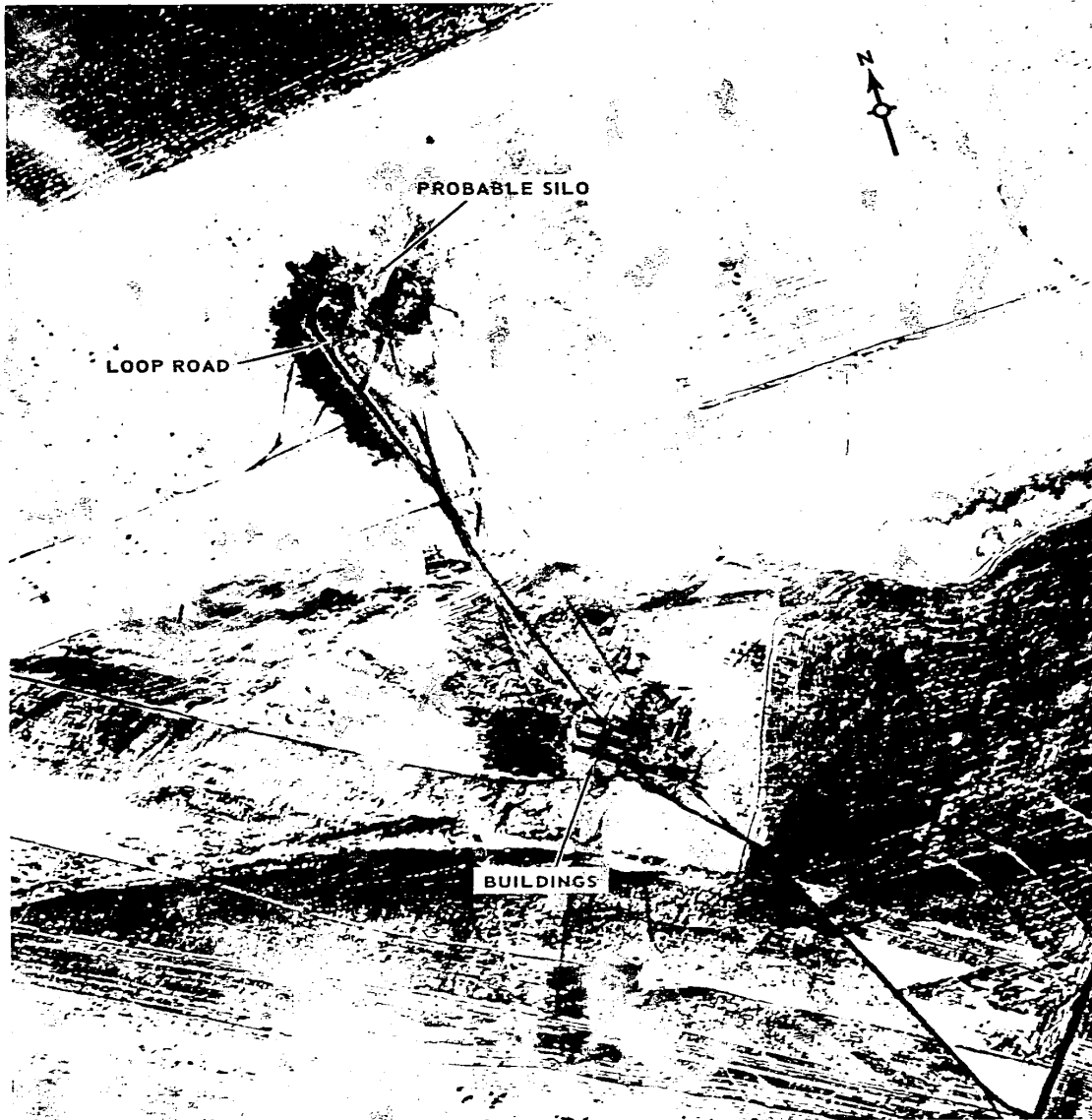
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TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 6

25X1



LAUNCH AREA E, IMENI GASTELLO ICBM COMPLEX, USSR

NPIC J-6150 (12/64)

25X1

TOP SECRET CHESS RUFF

# TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 7



BAYRAM-ALI IRBM LAUNCH SITE, USSR

NPIC J-6151 (12/64)

# TOP SECRET CHESS RUFF

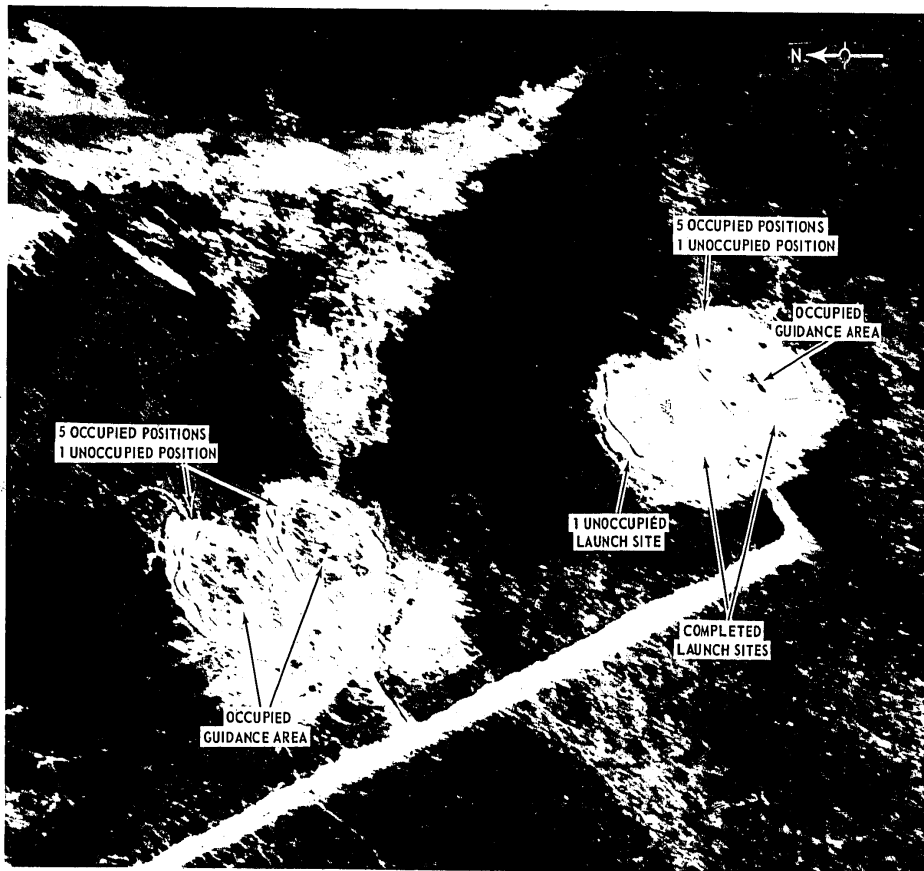
25X1

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TOP SECRET CHESS RUFF



SAM LAUNCH AREAS, ANTIPINSKOYE, USSR

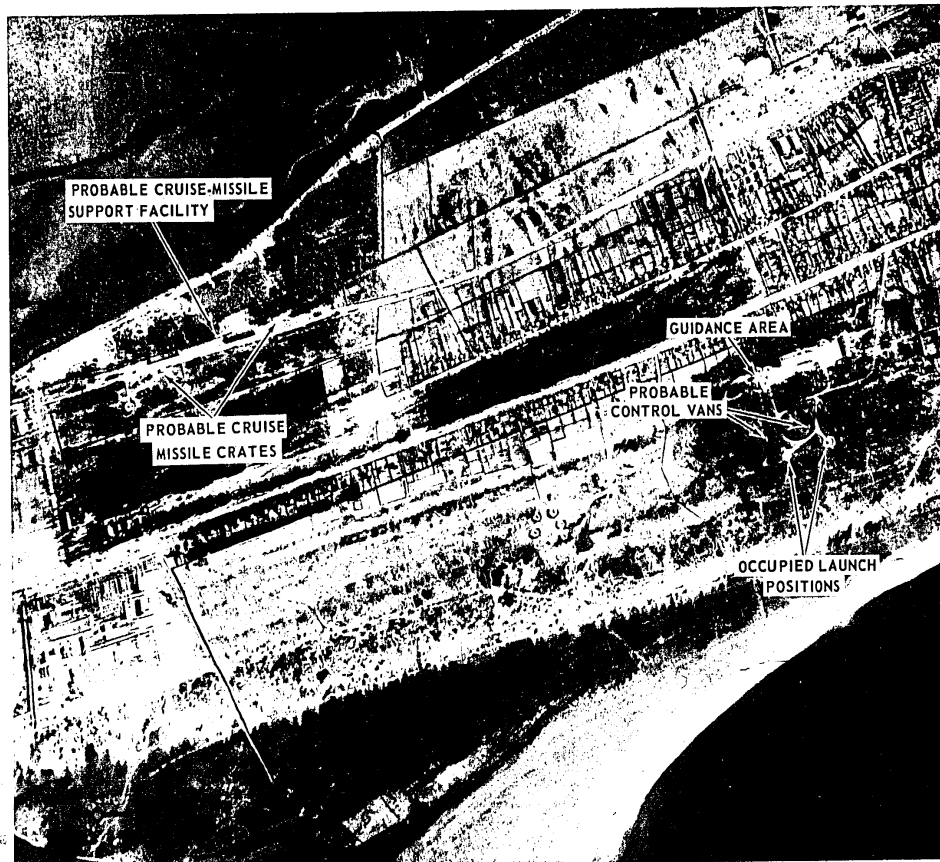
TOP SECRET CHESS RUFF  
MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 8

25X1

25X1

25X1



TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

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POTI CRUISE-MISSILE LAUNCH SITE, USSR

NPIC/R-5092/64  
ATTACHMENT 9

25X1  
25X1

TOP SECRET CHESS RUFF

MISSION 4014, 5 DECEMBER 1964

NPIC/R-5092/64  
ATTACHMENT 10

25X1



POLONIA AIRFIELD, MEDAN, INDONESIA

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25X1

TOP SECRET CHESS RUFF