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June 1963

PHOTOGRAPHIC INTERPRETATION REPORT

**OAK - PART III
MISSION 9054
13 - 16 JUNE 1963**



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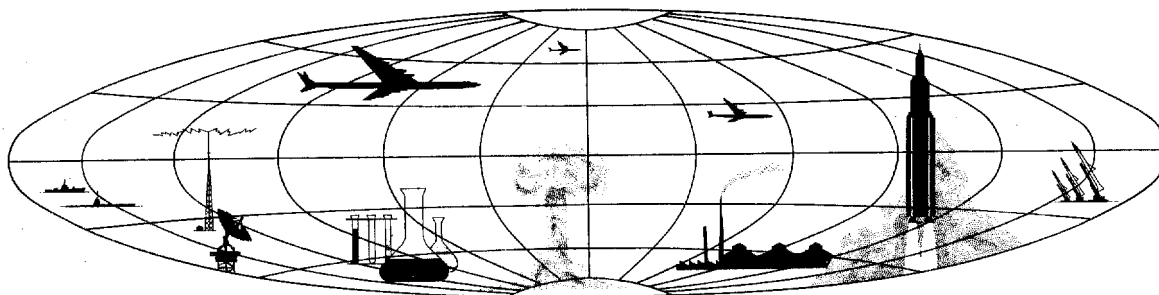
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OAK - PART III

MISSION 9054

PREFACE

THIS IS THE THIRD AND LAST DAILY OAK REPORT BASED ON MISSION 9054 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS, 22 JUNE 1963, TO 1500 HOURS, 23 JUNE 1963, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED OR NOT COVERED BY MISSION 9054 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. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

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). THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS KH-4 (1) APR 62.

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 9054 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

25X6

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SUMMARY

STATUS OF COMOR TARGET READOUT

SEVENTY-SIX COMOR TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT. IN ADDITION, TWO BONUS TARGETS ARE INCLUDED.

THE FOLLOWING IS A COMPILATION OF MISSILE FACILITIES OBSERVED ON MISSION 9054. THIS COMPILATION INCLUDES ONLY THOSE FACILITIES WHICH HAVE BEEN IDENTIFIED FOR THE FIRST TIME FROM PHOTOGRAPHY --

TYPE	PART I	PART II	PART III	TOTAL
ICBM LAUNCH SITES	5	5	3*	13
IRBM			1	1
SA-3			7	7
SA-2			7	7
SA-0 (UNIDENTIFIED TYPE SAM)			2	2
SAM SUPPORT			4	4

* THIS INCLUDES THE NEWLY IDENTIFIED TYPE II SITE, LAUNCH AREA C, YEDROVO ICBM LAUNCH COMPLEX. MISSION 9054 NEGATED A PREVIOUSLY REPORTED TYPE II SITE (LAUNCH AREA C) AT THIS SAME LAUNCH COMPLEX.

HIGHLIGHTS

- 25X1A 1. KOSTROMA ICBM LAUNCH COMPLEX [REDACTED]
A PROBABLE LAUNCH AREA G IN A VERY EARLY STAGE OF CONSTRUCTION IS NEWLY IDENTIFIED. IT IS LOCATED 7 NM NE OF LAUNCH AREA A AND WILL PROBABLY BE A TYPE II SITE.
- 25X1A 2. YEDROVO ICBM LAUNCH COMPLEX [REDACTED]
A TYPE II LAUNCH SITE IS NEWLY IDENTIFIED IN LAUNCH AREA C AND THE PREVIOUSLY IDENTIFIED TYPE III SITE IN AREA C IS NEGATED. THIS NEW TYPE II SITE IS DESIGNATED LAUNCH AREA C.
- 25X1A 3. KOZELSK ICBM LAUNCH COMPLEX [REDACTED]
A NEW HARDENED SITE, 6 NM SE OF THE COMPLEX SUPPORT FACILITY, HAS BEEN NEWLY IDENTIFIED. THE SITE IS IN A MID-STAGE OF CONSTRUCTION.
- 25X1A 4. GRANOV HARDENED IRBM LAUNCH SITE [REDACTED]
A HARDENED IRBM LAUNCH AREA IN A MID-STAGE OF CONSTRUCTION IS NEWLY IDENTIFIED HERE.
- 25X1A 5. KISHENTSY HARD MRBM/IRBM LAUNCH SITE [REDACTED]
THE LAUNCH SITE IS CONFIRMED AS A HARDENED IRBM LAUNCH SITE AND

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IS EITHER IN A LATE STAGE OF CONSTRUCTION OR COMPLETED.

6. SAM FACILITIES, AL ISKANDARIYAH, EGYPT (MISSILE BONUS 1.)
AN SA-2 SAM SITE AND A SAM SUPPORT FACILITY HAVE BEEN NEWLY
IDENTIFIED 10 NM NE OF AL ISKANDARIYAH.

25X1A

MISSILES

[REDACTED] PLESETSK ICBM LAUNCH COMPLEX 6256N 04039E

LAUNCH POINT IV AND AREAS A, D, AND E CAN BE IDENTIFIED. REMAINDER OF COMPLEX CLOUD-COVERED.

25X1D

25X1A

[REDACTED] DROVYANAYA ICBM LAUNCH COMPLEX 5132N 11301E

LAUNCH AREA AND COMPLEX SUPPORT VISIBLE BUT NO DETAILS DISCERNIBLE.

A NEW ROAD BRANCHES FROM THE COMPLEX MAIN ROAD BETWEEN AREAS A AND D AND EXTENDS ABOUT ONE NM. THIS ROAD WAS NOT PRESENT ON [REDACTED]

25X1D

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED] ARE AS FOLLOWS --

25X1D

NEW ROAD -- [REDACTED]

25X1D

COMPLEX SUPPORT [REDACTED]

25X1D

25X1A

[REDACTED] KOSTROMA ICBM LAUNCH COMPLEX 5750N 04115E

25X1D

[REDACTED] REVEALS A PROBABLE NEW LAUNCH AREA, G, AT THE KOSTROMA ICBM COMPLEX. THIS PROBABLE LAUNCH AREA AT 58-06N 041-31E IS IN A VERY EARLY STAGE OF CONSTRUCTION AND WILL PROBABLY BE A TYPE II SITE. IT IS LOCATED 7 NM NE OF LAUNCH AREA A AND ON THE NORTH SIDE OF THE BUY-KOSTROMA HIGHWAY.

25X1D

THE LAUNCH AREA WAS CLOUD-COVERED ON [REDACTED]

25X1D

[REDACTED] BUT THE JUNCTION OF THE ACCESS ROAD WITH THE BUY-KOSTROMA HIGHWAY APPEARED TO BE PRESENT (THROUGH HEAVY HAZE) AT THAT TIME. THERE WERE NO SIGNS OF ACTIVITY AT THE ROAD OR THE LAUNCH

25X1D

AREA ON [REDACTED] BUT HAZE OVER

25X1D

THE AREA PRECLUDED DETAILED INTERPRETATION.

LAUNCH AREA A AND B ARE IDENTIFIED ONLY. THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT AND LAUNCHS AREAS C, D, E AND F ARE CLOUD-COVERED.

25X1D PHOTOGRAPHIC REFERENCE FOR SIGNIFICANT ITEM ON
[REDACTED] IS AS FOLLOWS --

25X1D LAUNCH AREA G -

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] SHADRINSK ICBM LAUNCH COMPLEX 5608N 06341E

THE COMPLEX IS ENTIRELY CLOUD-COVERED EXCEPT FOR LAUNCH AREA B AND ITS SUPPORT FACILITY. THE LAUNCH SITE APPEARS TO BE IN A MIDDLE-TO-LATE STAGE OF CONSTRUCTION. THE EXCAVATION FOR THE SILOS HAS BEEN PARTIALLY BACKFILLED AND THE CONTROL BUNKER APPEARS TO BE COMPLETELY BACKFILLED AND COVERED. TWO OF THE SILOS ARE VISIBLE WITH A THIRD STRUCTURE BARELY VISIBLE TO THE LEFT OF SILOS (AS VIEWED FROM CONTROL BUNKER). TWO STRUCTURES, APPARENTLY CONSTRUCTION RAMPS, ARE ON THE BANK ABOVE THE EXCAVATION AND IN LINE WITH THE TWO SILOS. TWO WHITE CIRCULAR OBJECTS, PROBABLY STORAGE TANKS, ARE TO THE LEFT REAR OF THE LAUNCH SITE. APPROXIMATELY 15 NEW BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITY SINCE [REDACTED] AND 5 MORE ARE APPARENTLY UNDER CONSTRUCTION.

25X1D

25X1D

25X1D

25X1D PHOTOGRAPHIC REFERENCE FOR SIGNIFICANT ITEM ON

25X1D LAUNCH AREA [REDACTED]

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] OMSK ICBM LAUNCH COMPLEX 5503N 07330E

LAUNCH AREA A -- CONSTRUCTION CONTINUES. THE SITE IS IN A MID-STAGE OF CONSTRUCTION AND CONTAINS A CONTROL BUNKER AND THREE SILOS. THE SILOS ARE CONNECTED TO EACH OTHER AND TO THE CONTROL BUNKER BY A SYSTEM OF PASSAGeways. ONE SILO IS PARTLY BACKFILLED. NO EQUIPMENT BUNKERS ARE BETWEEN THE SILOS. AN EXCAVATION PREVIOUSLY REPORTED ON THE SIDE OF THE MAIN EXCAVATION OPPOSITE THE CONTROL BUNKER IS BACKFILLED AND APPARENTLY HARD SURFACED. TWO LARGE LONG STRUCTURES WERE PREVIOUSLY OBSERVED IN THIS EXCAVATION AND MAY BE THE EQUIPMENT BUNKERS. A ROAD IS UNDER

CONSTRUCTION ON THE EAST SIDE OF THE MAIN EXCAVATION AND APPEARS TO BE HALF OF A HEART-SHAPED PATTERN. SOUTH OF THE LAUNCH SITE IS A PLUS CONFIGURATION WITH 3 STRUCTURES, WHICH IS SIMILAR TO THOSE OBSERVED AT DEPLOYED TYPE IV SITES. THIS SITE IS CLEARLY DIFFERENT FROM ALL KNOWN DEPLOYED TYPE III SITES AND APPEARS TO BE A MODEL WHOSE PROTOTYPE IS LAUNCH COMPLEX F AT THE TYURA TAM MISSILE TEST CENTER.

(SEE ATTACHMENT 1)

25X1D LAUNCH AREA B -- NO APPARENT CHANGE SINCE [REDACTED]
25X1D [REDACTED] AT THE RAIL-TO-ROAD TRANSFER
25X1D POINT, CONSTRUCTION CONTINUES. A ROAD AT THE TRANSFER
POINT IS UNDER CONSTRUCTION AND AT LEAST 3 BUILDINGS
HAVE BEEN CONSTRUCTED.

25X1D COMPLEX SUPPORT FACILITY -- NO APPARENT CHANGE SINCE
[REDACTED]

25X1D PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON
[REDACTED] ARE AS FOLLOWS --

25X1D LAUNCH AREA A - [REDACTED]
25X1D LAUNCH AREA B - [REDACTED]
25X1D COMPLEX SUPPORT - [REDACTED]
25X1D AREA B RAIL-TO-ROAD TRANSFER POINT
25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] TYUMEN ICBM LAUNCH COMPLEX 5652N 06553E

IDENTIFICATION ONLY.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] YEDROVO ICBM LAUNCH COMPLEX 5751N 03341E

LAUNCH AREA A -- THIS IS ALMOST ENTIRELY OBSCURED BY CLOUDS BUT TWO OBJECTS ARE DISCERNIBLE ON THE LAUNCH PADS.

LAUNCH AREA B -- APPEARS COMPLETE WITH TWO OBJECTS ON THE LAUNCH PADS.

LAUNCH AREA C -- ALTHOUGH PREVIOUSLY IDENTIFIED AS A COMPLETED TYPE III SITE, GOOD QUALITY PHOTOGRAPHY NOW

REVEALS THIS TO BE AN UNIDENTIFIED AREA OF SCARRING ADJACENT TO A NEWLY IDENTIFIED TYPE II SITE IN AN EARLY-TO-MID STAGE OF CONSTRUCTION.

THIS NEWLY IDENTIFIED TYPE II SITE IS DESIGNATED LAUNCH AREA C. TWO SCARS, PERPENDICULAR TO THE ACCESS ROAD AND CLEARINGS FOR THE LAUNCH PADS ARE VISIBLE. TWO CLEARINGS CANTED AT AN ANGLE INSIDE ONE PAD, AND ONE CLEARING AT AN ANGLE INSIDE THE OTHER PAD ARE APPARENT. TWO LARGE BUILDINGS PARALLEL TO THE PAD CLEARINGS ARE CENTRALLY LOCATED WITHIN THE SITE. ONE READY BUILDING, WHICH MAY STILL BE UNDER CONSTRUCTION, IS VISIBLE. CONSTRUCTION ACTIVITY FOR THE OTHER READY BUILDING IS EVIDENT. APPROXIMATELY 8 SUPPORT BUILDINGS ARE JUST BEHIND THE SITE AND APPROXIMATELY 15 MORE ARE NEAR THE COMPLEX MAIN ROAD.

LAUNCH AREA D -- THIS AREA HAS TWO ELONGATED LAUNCH PADS WITH OBJECTS ON THEM. ONE BUILDING IS CANTED AT AN ANGLE INSIDE ONE PAD AND THERE IS A CLEARING FOR ANOTHER. AT LEAST ONE CLEARING FOR A CANTED BUILDING IS VISIBLE INSIDE THE OTHER PAD. THREE READY BUILDINGS ARE LOCATED TO THE REAR OF ONE PAD. THERE IS NO LOOP ROAD FORWARD OF THE PADS. ONE BUILDING IS CENTRALLY LOCATED WITHIN THE SITE. THERE ARE 4 STRUCTURES TO THE REAR OF THE SITE AND APPROXIMATELY 10 BUILDINGS IN THE SUPPORT FACILITY.

LAUNCH AREA E -- THIS IS A TYPE III SITE, PROBABLY COMPLETE, WITH TWO OBJECTS APPARENT AND A THIRD INDISTINCT OBJECT IN LINE WITH THE OTHERS.

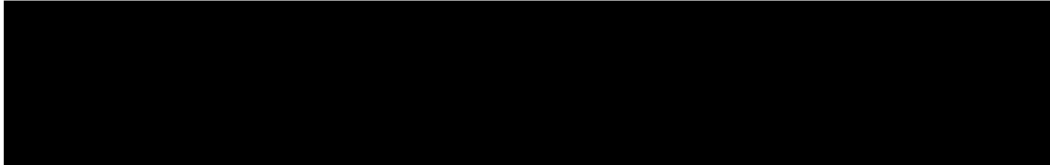
LAUNCH AREA F -- THIS IS A TYPE II SITE, PROBABLY IN THE MID STAGE OF CONSTRUCTION. CLOUDS AND SHADOWS OBSCURE MANY DETAILS. ONE PROBABLE CANTED BUILDING IS INSIDE ONE PAD WITH CLEARINGS FOR CANTED BUILDINGS INSIDE THE OTHER PAD. NO FORWARD LOOP ROAD IS PRESENT AND READY BUILDINGS APPARENTLY HAVE NOT YET BEEN CONSTRUCTED. APPROXIMATELY 12 BUILDINGS ARE IN THE SITE SUPPORT FACILITY.

LAUNCH AREA G -- CLOUDS AND TREE SHADOWS OBSCURE MUCH OF THIS AREA SO DETAILS AND CONSTRUCTION STATUS CANNOT BE DETERMINED BUT IT IS PROBABLY IN AN EARLY STAGE OF CONSTRUCTION. APPROXIMATELY 16 BUILDINGS ARE IN THE SITE SUPPORT FACILITY.

COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT -- THESE ARE MOSTLY OBSCURED BY CLOUDS AND

SHADOWS. NO MAJOR CHANGES APPEAR TO HAVE OCCURRED.

25X1D



25X9

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

25X1D

[REDACTED] ARE AS FOLLOWS --

25X1D

COMPLEX SUPPORT FACILITY

25X1D

RAIL-TO-ROAD TRANSFER POINT

25X9

LAUNCH AREA A

LAUNCH AREA D

25X1D

LAUNCH AREA E

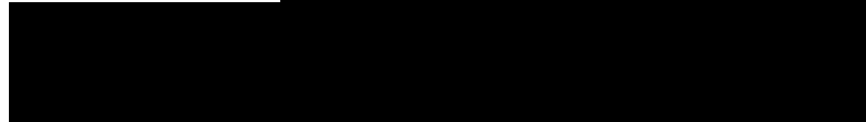
LAUNCH AREA B

LAUNCH AREA C

LAUNCH AREA G

LAUNCH AREA F

25X1D



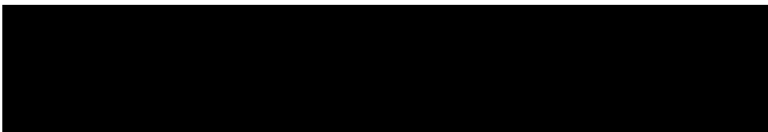
25X1A

BELOGORSK, SUSPECT SSM AREA 5055N 12828E

SEARCH AREA, EXCEPT FOR A SMALL PORTION IN THE NORTH, IS COVERED BY CLEAR, GOOD PHOTOGRAPHY.

NO SSM ACTIVITY OBSERVED IN AREA COVERED.

25X1D



25X1A

GLADKAYA ICBM LAUNCH COMPLEX 5605N 09213E

IDENTIFICATION ONLY.

25X1D



25X1A

BRATSK, SUSPECT SSM AREA 5605N 10148E

NO SSM ACTIVITY IDENTIFIED IN VISIBLE PORTIONS OF SEARCH AREA. HOWEVER, CLOUD COVER, HAZE AND DARKNESS PRECLUDE NEGATION OF THIS AREA.

25X1D

25X1A

[REDACTED] SVERDLOVSK, SUSPECT SSM AREA 5650N 06037E

NO SSM ACTIVITY WAS OBSERVED WITHIN A 50-NM RADIUS OF SVERDLOVSK. APPROXIMATELY 25 PERCENT OF THE SEARCH AREA TO THE EAST AND SE OF SVERDLOVSK WAS NOT OBSERVED BECAUSE OF HEAVY CLOUDS. SCATTERED CLOUDS ARE PRESENT OVER THE REMAINDER OF THE AREA.

25X1D

25X1A

[REDACTED] KANDALAKSHA SUSPECT SSM AREA 6709N 03225E

NW TWO-THIRDS OF 50-NM RADIUS SEARCH AREA IS CLOUD-COVERED.

NO MISSILE ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

[REDACTED] SHAKHUNYA, SUSPECT SSM AREA 5740N 04637E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF SHAKHUNYA ON CLEAR PHOTOGRAPHY. HOWEVER, DARKNESS PRECLUDES NEGATION OF AREA.

25X1D

25X1A

[REDACTED] KOZELSK ICBM LAUNCH COMPLEX 5357N 03548E

25X1A

A NEW LAUNCH AREA HAS BEEN IDENTIFIED AT KOZELSK ICBM COMPLEX. THIS NEW LAUNCH AREA (E) AT 53-51N 035-41E IS A HARDENED SITE SIMILAR TO LAUNCH AREA A AT OMSK (SEE [REDACTED] OMSK ICBM LAUNCH COMPLEX). IT IS IN A MID-STAGE OF CONSTRUCTION AND IS LOCATED 6 NM SE OF THE COMPLEX SUPPORT FACILITY. SITE ORIENTATION IS APPROXIMATELY 5/185 DEGREES.

LAUNCH AREAS B AND D SHOW NO SIGNIFICANT CHANGE.

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREAS A AND C ARE CLOUD-COVERED.

(SEE ATTACHMENT 2)

25X1D PHOTOGRAPHIC REFERENCE FOR SIGNIFICANT ITEM ON [REDACTED]
IS AS FOLLOWS - [REDACTED]
25X1D LAUNCH AREA E - [REDACTED]

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] PETROPAVLOVSK, SUSPECT SSM AREA 5452N 06906E

NO SSM ACTIVITY OBSERVED. HOWEVER, SEARCH AREA IS 80 PERCENT CLOUD-COVERED.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] NERCHINSK, SUSPECT SSM AREA 5158N 11635E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF NERCHINSK. HOWEVER, SEARCH AREA IS 90 PERCENT CLOUD COVERED.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] PIBANSHUR, SUSPECT SSM AREA 5752N 05319E

NO EVIDENCE OF SSM ACTIVITY IN AREA COVERED WITHIN 50-NM RADIUS OF PIBANSHUR. ONLY WESTERN HALF OF SEARCH AREA COVERED BY PHOTOGRAPHY.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] KOLMAKOVO, SUSPECT SSM AREA 5338N 09229E

NO MISSILE DEPLOYMENT OR ACTIVITY OBSERVED WITHIN A 25-NM RADIUS OF KOLMAKOVO. HOWEVER, DARKNESS LIMITS SEARCH.

25X1D

25X1A

PETROPAVLOVKA, SUSPECT SSM AREA 5310N 09335E

NO MISSILE ACTIVITY OBSERVED WITHIN A 25-NM RADIUS OF ABOVE COORDINATES.

25X1D

25X1A

BEREZNIKI, SUSPECT SSM AREA 5925N 05643E

NO SSM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTION OF SEARCH AREA.

25X1D

25X1A

SARANSK, SUSPECT SSM AREA 5411N 04511E

NO SSM ACTIVITY OBSERVED IN PORTIONS VISIBLE WITHIN 30-NM RADIUS OF SARANSK.

AREA WEST OF SARANSK NOT COVERED BY PHOTOGRAPHY.

25X1D

25X1A

VINNITSA HARDENED MRBM/IRBM LAUNCH SITE 4917N 02820E

IDENTIFICATION ONLY.

25X1D

25X1A

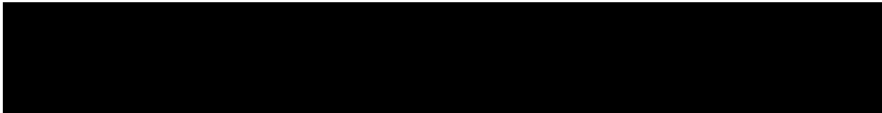
TALLINN SUSPECT MRBM AREA 5924N 02444E

EASTERN HALF OF AREA NOT COVERED BY PHOTOGRAPHY.

NO MRBM ACTIVITY NOTED WITHIN A 25-NM RADIUS OF

TALLINN.

25X1D



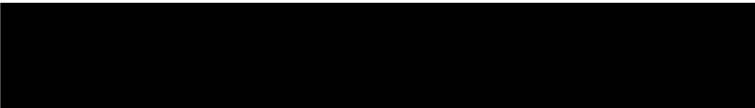
25X1A

KAMENETS-PODOLSKIY MRBM LAUNCH SITE 4851N 02642E

NO HARDENED IRBM LAUNCH AREA OBSERVED IN CLOUD-FREE PORTIONS WITHIN 25-NM RADIUS OF KAMENETS-PODOLSKIY MRBM LAUNCH SITE.

SCATTERED CLOUDS PRECLUDE NEGATION OF SEARCH AREA.

25X1D



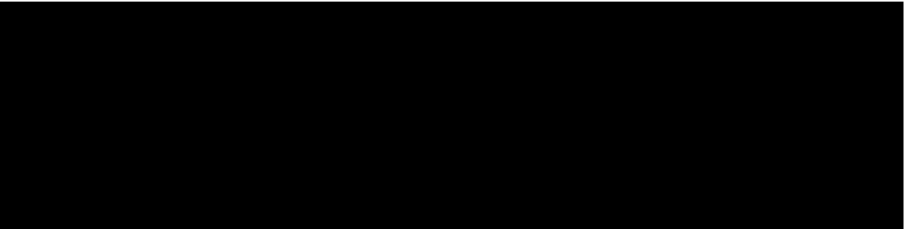
25X1A

KIVERTSY MRBM LAUNCH SITE 1 5052N 02530E

NO HARDENED LAUNCH AREA OBSERVED IN CLOUD-FREE AREAS OF 25-NM SEARCH AREA.

SCATTERED CLOUDS PRECLUDE NEGATION OF AREA.

25X1D

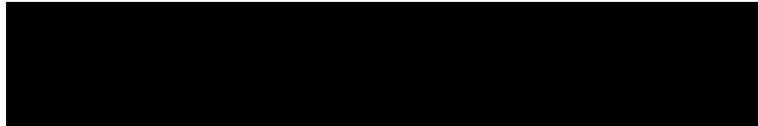


25X1A

SLAVSK MRBM LAUNCH SITE 2 5500N 02129E

NO ADDITIONAL SSM ACTIVITY NOTED IN VISIBLE PORTIONS WITHIN 25-NM RADIUS OF SLAVSK MRBM LAUNCH SITE 2. SCATTERED CLOUDS AND SEMIDARKNESS PRECLUDE NEGATION.

25X1D



25X1A

OVRUCH MRBM LAUNCH SITE 1 5117N 02816E

NO NEW HARDENED IRBM SITES OBSERVED IN CLOUD-FREE PORTIONS WITHIN 25-NM RADIUS OF OVRUCH MRBM LAUNCH SITE 1. SCATTERED CLOUDS AND ONLY PARTIAL PHOTOGRAPHIC COVERAGE PRECLUDE NEGATION OF SEARCH AREA.

25X1D

25X1A

[REDACTED] YELSK MRBM LAUNCH SITE 1 5142N 02912E

NO HARDENED IRBM SITES OBSERVED IN CLOUD-FREE PORTIONS
WITHIN 25-NM RADIUS OF YELSK MRBM LAUNCH SITE 1.

AREA IS 60 PERCENT CLOUD-COVERED.

25X1D

25X1A

[REDACTED] BORKHOV MRBM LAUNCH SITE 1 5218N 03043E

NO HARDENED IRBM SITES OBSERVED IN CLOUD-FREE PORTIONS
WITHIN 25-NM RADIUS OF BORKHOV MRBM LAUNCH SITE 1.

AREA IS 75 PERCENT HAZE OR CLOUD-COVERED.

25X1D

25X1A

[REDACTED] MOLODETSKOYE MRBM LAUNCH SITE 4853N 03027E

25X1A

SEE KISHENTSY HARD MRBM/IRBM LAUNCH SITE
[REDACTED]

NO OTHER HARDENED LAUNCH SITE IS IN SEARCH AREA.

25X1D

25X1A

[REDACTED] KURENETS SUSPECT MRBM AREA 5433N 02657E

NO NEW SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF
SOUTHERN HALF OF SEARCH AREA. NORTHERN HALF
CLOUD-COVERED.

25X1D

25X1D

25X1A

JONAVA MRBM LAUNCH SITE 5501N 02414E

NO HARDENED IRBM SITE OBSERVED WITHIN A 25-NM RADIUS OF JONAVA MRBM LAUNCH SITE. AREA 60 PERCENT CLOUD-COVERED.

25X1D

25X1A

POLOTSK MRBM LAUNCH SITE 1 5522N 02844E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED WITHIN A 25-NM RADIUS OF POLOTSK MRBM LAUNCH SITE 1.

SMALL SCALE PRECLUDES NEGATION OF AREA.

25X1D

25X1A

IVANOVO MRBM LAUNCH SITE 5210N 02541E

NO HARDENED IRBM SITE OBSERVED ON CLEAR PHOTOGRAPHY WITHIN A 25-NM RADIUS OF IVANOVO MRBM LAUNCH SITE.

AREA CAN BE NEGATED.

25X1D

25X1A

DISNA MRBM LAUNCH SITE 5535N 02815E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED WITHIN 25-NM RADIUS OF DISNA MRBM LAUNCH SITE.

SMALL SCALE PRECLUDES NEGATION OF AREA.

25X1D

25X1A

[REDACTED] VEPRIAI MRBM LAUNCH SITE 5508N 02438E

NO HARDENED IRBM SITE OBSERVED IN CLOUD-FREE AREAS
WITHIN 25-NM RADIUS OF VEPRIAI MRBM LAUNCH SITE.

25X1D

25X1A

[REDACTED] PRUZHANY MRBM LAUNCH SITE 1 5230N 02408E

NO HARDENED IRBM SITE OBSERVED ON CLEAR, GOOD
QUALITY PHOTOGRAPHY WITHIN A 25-NM RADIUS OF PRUZHANY
MRBM LAUNCH SITE 1.

AREA CAN BE NEGATED.

25X1D

25X1A

[REDACTED] GRESK MRBM LAUNCH SITE 1 5314N 02742E

NO MISSILE ACTIVITY COULD BE IDENTIFIED IN VISIBLE
PORTIONS WITHIN 25-NM RADIUS OF GRESK MRBM LAUNCH
SITE 1.

DARKNESS AND POOR IMAGE QUALITY PRECLUDES NEGATION.

25X1D

25X1A

[REDACTED] LIDA MRBM LAUNCH SITE 1 5347N 02521E

NO HARDENED IRBM LAUNCH AREA OBSERVED WITHIN 25-NM
RADIUS OF LIDA MRBM SITE 1.

SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

25X1A

[REDACTED] VSELYUB MRBM LAUNCH SITE 1 5346N 02543E

NO HARDENED IRBM LAUNCH AREA OBSERVED IN CLEAR AREAS WITHIN 25-NM RADIUS OF VSELYUB MRBM LAUNCH SITE 1. AREA CANNOT BE NEGATED BECAUSE OF SCATTERED CLOUDS AND DARKNESS.

25X1D

[REDACTED]

25X1A

[REDACTED] DYATLOVO MRBM LAUNCH SITE 5333N 02516E

NO HARDENED IRBM LAUNCH AREA OBSERVED WITHIN 25-NM RADIUS OF DYATLOVO MRBM LAUNCH SITE. AREA CANNOT BE NEGATED BECAUSE OF SCATTERED CLOUDS.

25X1D

[REDACTED]

25X1A

[REDACTED] BYTEN MRBM LAUNCH SITE 1 5252N 02521E

NO HARDENED IRBM SITE OBSERVED ON CLEAR, GOOD QUALITY PHOTOGRAPHY WITHIN 25-NM RADIUS OF BYTEN MRBM LAUNCH SITE 1.

AREA CAN BE NEGATED.

25X1D

[REDACTED]

25X1A

[REDACTED] KRUPA MRBM LAUNCH SITE 1 5248N 02442E

NO HARDENED IRBM SITES OBSERVED ON CLEAR PHOTOGRAPHY WITHIN A 25-NM RADIUS OF KRUPA MRBM LAUNCH SITE 1.

THIS AREA CAN BE NEGATED.

25X1D

[REDACTED]

25X1D



25X1A

BORKOVICHI MRBM LAUNCH SITE 5542N 02827E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED WITHIN 25-NM RADIUS OF BORKOVICHI MRBM LAUNCH SITE.

SMALL SCALE PRECLUDES NEGATION OF AREA.

25X1D

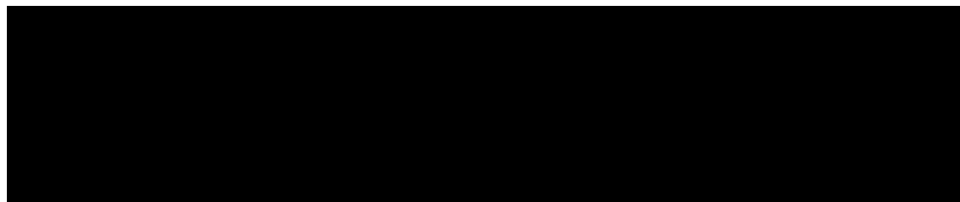


25X1A

BREST MRBM LAUNCH SITE 1 5149N 02401E

NO HARDENED IRBM LAUNCH AREAS OBSERVED IN CLEAR PORTIONS WITHIN A 25-NM RADIUS OF BREST MRBM LAUNCH SITE 1. AREA CANNOT BE NEGATED BECAUSE OF SCATTERED CLOUDS.

25X1D

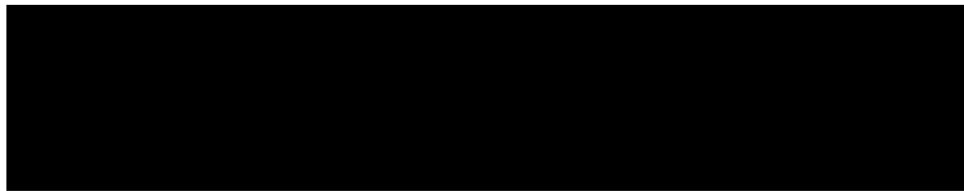


25X1A

LIPNIKI MRBM LAUNCH SITE 5112N 02826E

NO MATCHING SITE OR HARDENED IRBM SITE OBSERVED IN VISIBLE AREAS WITHIN 25-NM RADIUS OF LIPNIKI MRBM LAUNCH SITE. AREA 60 PERCENT CLOUD-COVERED.

25X1D



25X1A

PETRIKOV MRBM LAUNCH SITE 5210N 02834E

NO HARDENED IRBM SITES OBSERVED IN CLOUD-FREE PORTIONS WITHIN 25-NM RADIUS OF PETRIKOV MRBM LAUNCH SITE. ONLY SOUTHERN HALF OF SEARCH AREA COVERED BY PHOTOGRAPHY. THIS AREA 50 PERCENT CLOUD-COVERED.

25X1D



25X1D

25X1A

[REDACTED]
GRODNO SUSPECT MRBM AREA 5339N 02350E

NO MRBM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
WITHIN 25-NM RADIUS OF GRODNO.

25X1D

25X1A

[REDACTED]
KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1 5210N 02751E

NO HARDENED LAUNCH SITES OBSERVED IN CLOUD-FREE AREAS
WITHIN 25-NM RADIUS OF KOZHANOVICHI POSSIBLE MRBM
LAUNCH SITE. ONLY SE QUARTER OF SEARCH AREA COVERED
BY PHOTOGRAPHY. THIS AREA 60 PERCENT CLOUD-COVERED.

25X1D

25X1A

[REDACTED]
BERDICHEV MRBM LAUNCH SITE 5005N 02822E

AREA IDENTIFICATION ONLY. DARKNESS PRECLUDES
INTERPRETATION.

25X1D

25X1A

[REDACTED]
SHCHUCHIN, SUSPECT MRBM AREA 5336N 02445E

NO NEW SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A
25-NM RADIUS OF SHCHUCHIN.

25X1D

25X1A

[REDACTED] MARIJAMPOLE, SUSPECT MRBM AREA 5433N 02321E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS WITHIN 10-NM RADIUS OF MARIJAMPOLE.

25X1D

25X1A

[REDACTED] SVISLOCH, SUSPECT SSM AREA 5326N 02859E

NO SSM ACTIVITY IDENTIFIED WITHIN 10-NM RADIUS OF SVISLOCH.

SMALL SCALE PRECLUDES NEGATION OF SEARCH AREA.

25X1D

25X1A

[REDACTED] URECHYE MRBM LAUNCH SITE 5311N 02758E

NO MATCHING MRBM LAUNCH SITE OR HARDENED IRBM LAUNCH AREA OBSERVED IN CLOUD-FREE AREAS WITHIN 25-NM RADIUS OF URECHYE MRBM LAUNCH SITE.

CLOUDS AND DARKNESS PRECLUDE NEGATION OF SEARCH AREA.

25X1D

25X1A

[REDACTED] BULZHINO, SUSPECT LAUNCH SITE 5615N 02819E

THIS INSTALLATION IS NOT SIMILAR TO ANY KNOWN MISSILE-RELATED INSTALLATION IN THE USSR. HOWEVER, IT IS SIMILAR TO THE UNIDENTIFIED INSTALLATION AT DUBROVO NEAR GOMEL [REDACTED]

25X1A

25X1D

25X1A

[REDACTED] DUBROVO, POSS MISSILE-ASSOCIATED ACTIVITY 5228N 03004E

AREA DOES NOT CONTAIN ANY INSTALLATION HAVING A KNOWN MRBM/IRBM CONFIGURATION.

25X1D

25X1A

GRANOV HARDENED IRBM LAUNCH SITE 4849N 02930E

GRANOV AREA 2 IS IN A MIDDLE STAGE OF CONSTRUCTION.

A NEWLY IDENTIFIED HARDENED IRBM LAUNCH AREA IN MID-STAGE OF CONSTRUCTION IS LOCATED AT 48-59-30N 029-22-15E IN A FOREST 3 NM SW OF THE VILLAGE OF KALNIK. IT CONSISTS OF AN EXCAVATION IN WHICH THE CONTROL BUNKER IS READILY APPARENT. A SITE SUPPORT FACILITY CONSISTING OF 8 BUILDINGS IS LOCATED TO THE EAST OF THE LAUNCH SITE. THE AZIMUTH OF THE ROAD CONNECTING THE LAUNCH AND SUPPORT IS 90/270 DEGREES. THIS SITE WAS NOT PRESENT IN

25X1D

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON ARE AS FOLLOWS --

25X1D

25X1D

25X1D

GRANOV AREA 2 --
NEWLY IDENTIFIED LAUNCH AREA --

25X1D

25X1A

SMORGON HARDENED IRBM LAUNCH SITE 2 5426N 02618E

DARKNESS PRECLUDES DETERMINATION OF CONSTRUCTION STATUS.

NO NEW SSM SITES OBSERVED IN VISIBLE PORTIONS WITHIN 25-NM RADIUS OF SMORGON HARDENED IRBM LAUNCH SITE 2. ONLY WESTERN AND SOUTHEASTERN PORTIONS OF SEARCH AREA COVERED BY PHOTOGRAPHY. DARKNESS AND SCATTERED CLOUDS PRECLUDE NEGATION.

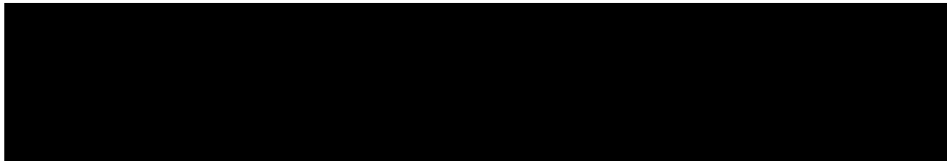
25X1D

25X1A

KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE 4924N 02708E

NO HARDENED IRBM LAUNCH AREA OBSERVED IN CLOUD-FREE PORTION WITHIN A 25-NM RADIUS OF KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE.

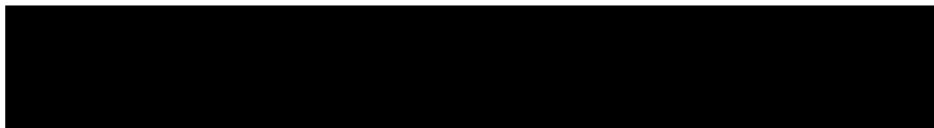
25X1D



LENINGRAD SA-3 SAM SITE

27.5 NM SSW OF LENINGRAD AT 59-30-30N 029-56-00E.
NEWLY IDENTIFIED SA-3 SAM SITE, CONSTRUCTION STATUS
UNDETERMINED.
PLOTTED ON USATC SERIES 0153-4, 1ST ED, JAN 59.

25X1D



MARY SAM SUPPORT FACILITY

11.2 NM SE OF MARY AT 37-28-40N 062-01-10E.
NEWLY IDENTIFIED COMPLETED SQUARE TYPE SAM SUPPORT
FACILITY.
PLOTTED ON USATC SERIES 200, SHEET 0337-17AL, 2D ED,
JUN 60.

25X1D



YOSHKAR-OLA ICBM LNCH CMLX SA-0 SAM SITE B-35

12 NM NNE OF YOSHKAR-OLA ICBM COMPLEX SUPPORT FACILITY
AT 56-44-20N 048-06-00E.
COMPLETED SA-0 UNIDENTIFIED TYPE SAM SITE.
(PREVIOUSLY REPORTED AS SA-2 SAM SITE [REDACTED])
PLOTTED ON USATC SERIES 200, SHEET 0155-22HL, 3D ED,
FEB 63.

25X1D

25X1D



AL ISKANDARIYAH SAM SUPPORT FACILITY (EGYPT)

10 NM NE OF AL ISKANDARIYAH AT 31-18-40N 030-03-25E.
NEWLY IDENTIFIED COMPLETED SAM SUPPORT FACILITY.
PLOTTED ON USATC SERIES 200, SHEET 0447-1HL, 1ST ED,
JUL 62.

(SEE ATTACHMENT 3)

25X1D



AL ISKANDARIYAH SAM SITE

10 NM NE OF ALISKANDARIYAH AT 31-18-40N 030-03-20E.
NEWLY IDENTIFIED SA-2 SAM SITE UNDER CONSTRUCTION.
PLOTTED ON USATC SERIES 200, SHEET 0447-1HL, 1ST ED,
JUL 62.

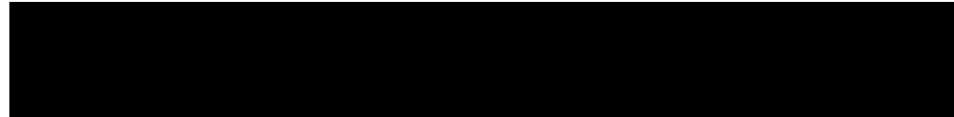
25X1D



LENINGRAD SA-3 SAM SITE 5940N 03104E

23 NM ENE OF LENINGRAD AT 59-40-00N 031-04-30E.
NEWLY IDENTIFIED COMPLETED SA-3 SAM SITE.
PLOTTED ON USATC SERIES 200, SHEET 0153-5AL, 2D ED,
OCT 59.

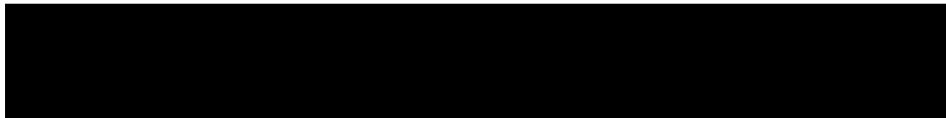
25X1D



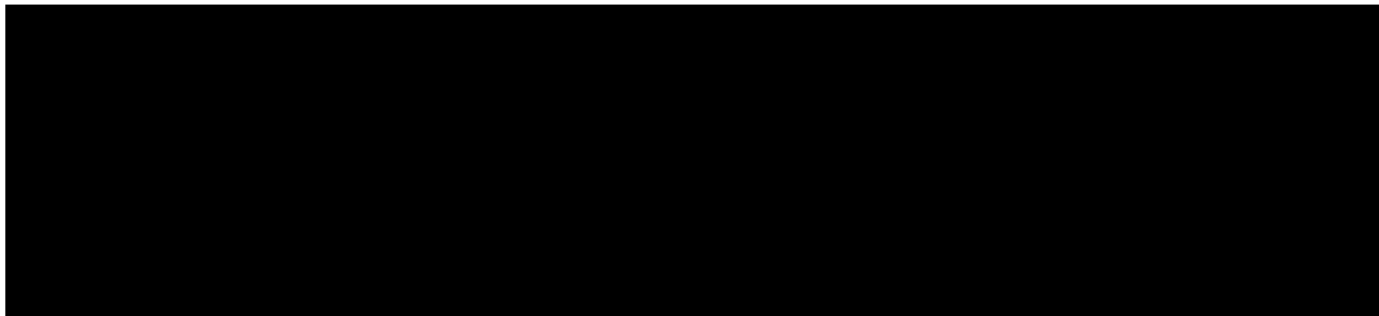
LENINGRAD POSSIBLE SA-3 SAM SITE)

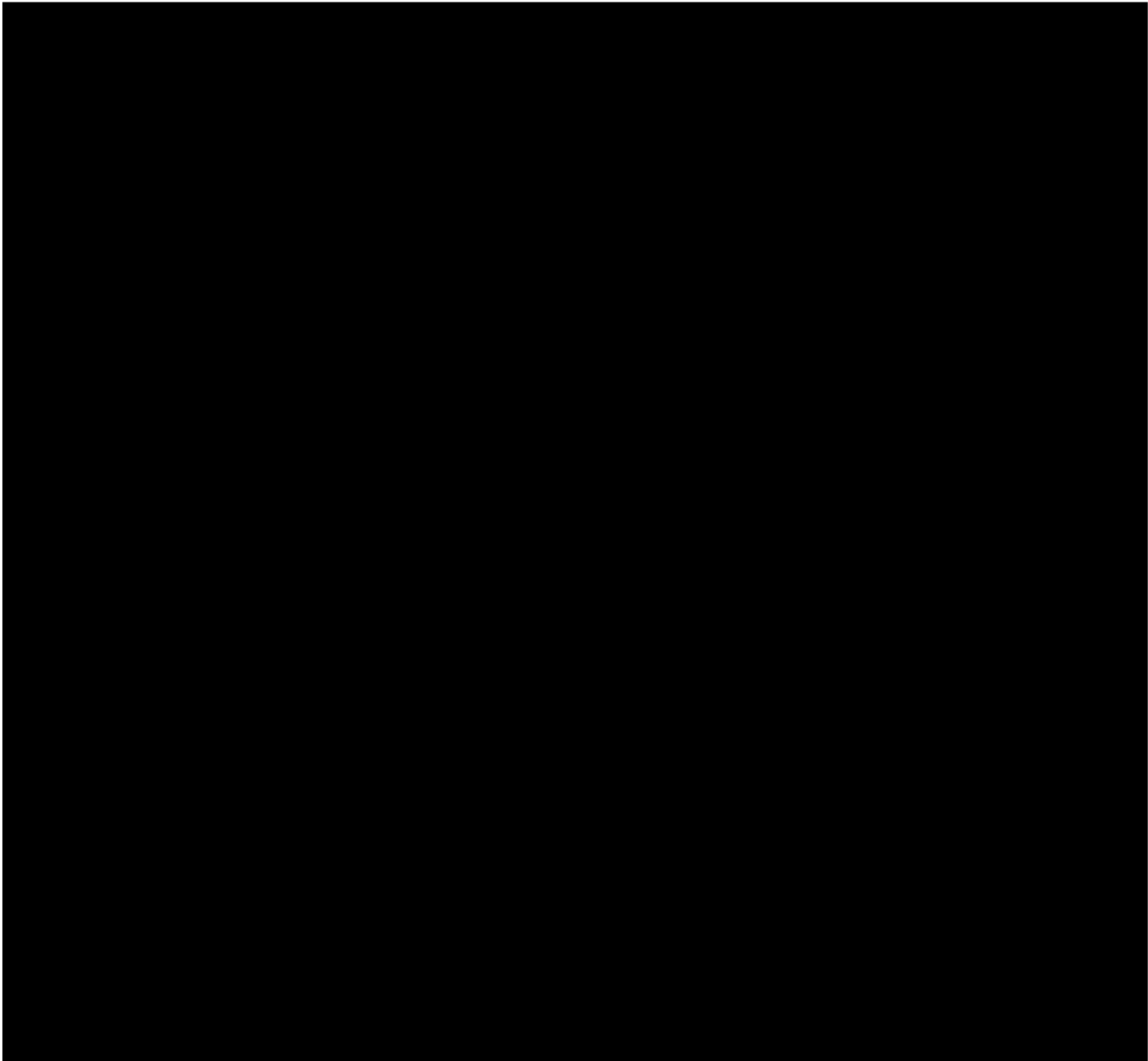
34 NM SW OF LENINGRAD AT 59-42-20N 029-17-10E.
NEWLY IDENTIFIED POSSIBLE SA-3 SAM SITE UNDER
CONSTRUCTION.
PLOTTED ON USATC SERIES 200, SHEET 0153-4A, 1ST ED,
JAN 59.

25X1D



25X2





25X2

ELECTRONICS

BONUS 1. KIIYEV AREA, RADIO TRANSMITTING SITE 5029N 03041E

A NEWLY IDENTIFIED RADIO TRANSMITTING SITE ADJACENT
TO THE PREVIOUSLY REPORTED KIIYEV BROADCAST/RELAY

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STATION 7 NM ENE OF KIYEV CONTAINS THE FOLLOWING FACILITIES -- CONTROL BUILDING, 6 DOUBLE DAY RHOMBIC ANTENNAS, 2 SINGLE DAY RHOMBIC ANTENNAS, 3 DOUBLE NIGHT RHOMBIC ANTENNAS, 3 SINGLE NIGHT RHOMBIC ANTENNAS (1 OF WHICH IS SUPERIMPOSED ON ONE OF THE SINGLE DAY RHOMBICS), 4 VEE ANTENNAS, 5 HORIZONTAL DIPOLE ANTENNAS AND 6 CONE ANTENNAS.

DISSIPATION LINE FOOTINGS ARE VISIBLE ON SEVERAL OF THE RHOMBICS. THE STATION IS SEPARATELY SECURED BUT USES ONE COMMON FENCE WITH THE BROADCAST/RELAY STATION. NO APPARENT CHANGE IN THE ADJACENT BROADCAST/RELAY STATION.

(SEE ATTACHMENT 4)

25X1D

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBERS, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 9054. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 9054 IN WHICH THE TARGET WAS REPORTED. THE LETTERS NO IN THE OAK COLUMN INDICATE THAT THE TARGET WAS NOT OBSERVED DUE TO ADVERSE WEATHER OR OTHER CONDITIONS, AND THE LETTERS NC INDICATE THAT THE TARGET WAS NOT COVERED BY THE PHOTOGRAPHY.

POLYARNYY URAL SUSPECT ICBM AREA	6703N 06524E NO
PLESETSK ICBM LAUNCH COMPLEX	6256N 04039E III
YURYA ICBM LAUNCH COMPLEX	5903N 04919E I
VERKHNYAYA SALDA ICBM LAUNCH COMPLEX	5802N 06023E II
TYURA TAM MISSILE TEST CENTER	4550N 06318E II
YOSHKAR-OLA ICBM LAUNCH COMPLEX	5634N 04803E I
SVOBODNYI ICBM LAUNCH COMPLEX	5146N 12807E II
DROVYANAYA ICBM LAUNCH COMPLEX	5132N 11301E III
KOSTROMA ICBM LAUNCH COMPLEX	5750N 04115E III
ITATKA ICBM LAUNCH COMPLEX	5650N 08536E NC
SHADRINSK ICBM LAUNCH COMPLEX	5608N 06341E III
OMSK ICBM LAUNCH COMPLEX	5503N 07330E III
PERM ICBM LAUNCH COMPLEX	5742N 05619E II
TEYKOVO ICBM LAUNCH COMPLEX	5652N 04035E NO
TYUMEN ICBM LAUNCH COMPLEX	5652N 06553E III
YEDROVO ICBM LAUNCH COMPLEX	5751N 03341E III
BELOGORSK, SUSPECT SSM AREA	5055N 12828E III

25X1A

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GLADKAYA ICBM LAUNCH COMPLEX	5605N 09213E III
BRATSK, SUSPECT SSM AREA	5605N 10148E III
RZHEV, SUSPECT SSM AREA	5615N 03420E NO
SVERDLOVSK, SUSPECT SSM AREA	5650N 06037E III
NOVOSIBIRSK ICBM LAUNCH COMPLEX	5516N 08257E NC
KANDALAKSHA SUSPECT SSM AREA	6709N 03225E III
MURMANSK, SUSPECT SSM AREA	6858N 03305E NO
SHAKHUNYA, SUSPECT SSM AREA	5740N 04637E III
BEZHETSK, SUSPECT SSM AREA	5747N 03641E NO
KIMRY, SUSPECT SSM AREA	5652N 03721E NO
KOLOZERO, SUSPECT ICBM AREA	6810N 03320E NO
KOZELSK ICBM LAUNCH COMPLEX	5357N 03548E III
PETROPAVLOVSK, SUSPECT SSM AREA	5452N 06906E III
NERCHINSK, SUSPECT SSM AREA	5158N 11635E III
CHAADAYEVKA, SUSP MISSILE-ASSOCIATED ACTIVITY	5307N 04602E NO
PIBANSHUR, SUSPECT SSM AREA	5752N 05319E III
KOLMAKOVO, SUSPECT SSM AREA	5338N 09229E III
PETROPAVLOVKA, SUSPECT SSM AREA	5310N 09335E III
BEREZNIKI, SUSPECT SSM AREA	5925N 05643E III
SARANSK, SUSPECT SSM AREA	5411N 04511E III
OLOVYANNAYA ICBM LAUNCH COMPLEX	5048N 11550E II
KARANGIT POSS CRUISE-MISSILE LAUNCH SITE	4502N 03557E NC
VINNITSA HARDENED MRBM/IRBM LAUNCH SITE	4917N 02820E III
TALLINN SUSPECT MRBM AREA	5924N 02444E III
GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E II
MUKACHEVO MRBM LAUNCH SITE 1	4819N 02231E NO
KAMENETS-PODOLSKIY MRBM LAUNCH SITE	4851N 02642E III
LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E NC
KIVERTSY MRBM LAUNCH SITE 1	5052N 02530E III
SLAVSK MRBM LAUNCH SITE 2	5500N 02129E III
ZNAMENSK MRBM LAUNCH SITE 1	5433N 02111E NO
GUSEV MRBM LAUNCH SITE 1	5441N 02205E II
OVRUCH MRBM LAUNCH SITE 1	5117N 02816E III
KORDSTEN MRBM LAUNCH SITE 1	5051N 02818E II
YELSK MRBM LAUNCH SITE 1	5142N 02912E III
BALTA MRBM LAUNCH SITE 1	4801N 02933E II
BORKHOV MRBM LAUNCH SITE 1	5218N 03043E III
MOLODETSKOYE MRBM LAUNCH SITE	4853N 03027E III
KURENETS SUSPECT MRBM AREA	5433N 02657E III
JONAVA MRBM LAUNCH SITE	5501N 02414E III
RUSKI MRBM LAUNCH SITE 1	5725N 02650E NO
POLOTSK MRBM LAUNCH SITE 1	5522N 02844E III
VORU MRBM LAUNCH SITE 2	5749N 02650E NO
IVANOVO MRBM LAUNCH SITE	5210N 02541E III
DISNA MRBM LAUNCH SITE	5535N 02815E III
VEPRIAI MRBM LAUNCH SITE	5508N 02438E III
SIMUNA MRBM LAUNCH SITE	5908N 02626E NO
KROLEVETS IRBM LAUNCH SITE 1	5136N 03328E NC
PRUZHANY MRBM LAUNCH SITE 1	5230N 02408E III

25X1A

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GRESK MRBM LAUNCH SITE 1	5314N 02742E III
KOZYANY MRBM LAUNCH SITE	5520N 02651E NO
YEREVAN SUSPECT MRBM AREA	4011N 04430E NC
TAPA SUSPECT MISSILE AREA	5916N 02558E NO
RAGNIT PROBABLE MRBM LAUNCH SITE	5501N 02211E II
LIDA MRBM LAUNCH SITE 1	5347N 02521E III
VSELYUB MRBM LAUNCH SITE 1	5346N 02543E III
DYATLOVO MRBM LAUNCH SITE	5333N 02516E III
BYTEN MRBM LAUNCH SITE 1	5252N 02521E III
GROSS STEFFELSDORF, SUSPECT MRBM AREA (CZECH)	4823N 02002E NC
ZIPSER NEUDORF, SUSPECT MRBM AREA (CZECH)	4857N 02034E NC
ZELENA-FRYDEK, SUSPECT MRBM AREA (CZECH)	4941N 01821E NC
RUZOMBEROK, SUSPECT MRBM AREA (CZECH)	4905N 01919E NC
BOZNSKA BYSTRICA, SUSPECT MRBM AREA (CZECH)	4844N 01909E NC
KRUPA MRBM LAUNCH SITE 1	5248N 02442E III
BORKOVICHI MRBM LAUNCH SITE	5542N 02827E III
KARA-BABAU POSS HARDENED IRBM LAUNCH SITE	4431N 07758E NO
AKHTYRKA MRBM LAUNCH SITE 1	5015N 03450E NC
BREST MRBM LAUNCH SITE 1	5149N 02401E III
ZHMERINKA MRBM LAUNCH SITE	4910N 02804E NC
ZHITMIR MRBM LAUNCH SITE 1	5004N 02816E NO
LIPNIKI MRBM LAUNCH SITE	5112N 02826E III
PETRIKOV MRBM LAUNCH SITE	5210N 02834E III
GRODNO SUSPECT MRBM AREA	5339N 02350E III
KUSHKA, SUSPECT SSM AREA	3516N 06224E I
RISTI MRBM LAUNCH SITE 2	5906N 02406E II
KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1	5210N 02751E III
BERDICHEV MRBM LAUNCH SITE	5005N 02822E III
SHCHUCHIN, SUSPECT MRBM AREA	5336N 02445E III
NAVOY, SUSPECT MRBM AREA	4009N 06522E NC
LEJASCIEMS MRBM LAUNCH SITE	5721N 02644E NO
TAURAGE MRBM LAUNCH SITE 3	5505N 02219E II
MARIJAMPOLE, SUSPECT MRBM AREA	5433N 02321E III
SVISLOCH, SUSPECT SSM AREA	5326N 02859E III
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13343E I
UGOLNYY MRBM LAUNCH SITE	6446N 17758E NO
URECHYE MRBM LAUNCH SITE	5311N 02758E III
KURDZHIPSAYA MRBM LAUNCH SITE	4431N 04000E I
ROGAS, SUSPECT MRBM SITE	5654N 02440E NO
KRASKIND MRBM LAUNCH SITE	4244N 13040E I
KAMENNY MOST HARDENED MRBM/IRBM LAUNCH SITE	4758N 03053E NC
SAKI, SUSPECT SSM AREA	4707N 03336E NC
TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 1	6828N 03315E NO
SKRUNDA HARDENED IRBM LAUNCH SITE	5635N 02149E II
BULZHINO, SUSPECT LAUNCH SITE	5615N 02819E III
DUBROVO, POSS MISSILE--ASSOCIATED ACTIVITY	5228N 03004E III
GRANOV HARDENED IRBM LAUNCH SITE	4849N 02930E III
SMORGON HARDENED IRBM LAUNCH SITE 2	5426N 02618E III
SEMOVKA HARDENED MRBM/IRBM LAUNCH SITE	4758N 03059E NO

25X1A

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25X1A

TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 2	6830N	03323E	NO
BOLEKHOV HARDENED MRBM/IRBM LAUNCH SITE	4906N	02351E	NO
KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE	4924N	02708E	III
STRYY HARDENED MRBM/IRBM LAUNCH SITE	4916N	02343E	NO
VLADIMIR VOLYNSKIY HARDENED MRBM/IRBM SITE	5048N	02442E	III
GURELOVO HARDENED MRBM/IRBM LAUNCH SITE	5925N	02852E	III
OTYNYA HARDENED MRBM/IRBM LAUNCH SITE	4847N	02450E	III
ZEMAICIU KALVARIJA HARD MRBM/IRBM LAUNCH SITE	5601N	02153E	II
BRODY HARDENED MRBM/IRBM LAUNCH SITE	5006N	02512E	III
RUDNYA ZLOTINSKAYA HARD MRBM/IRBM LAUNCH SITE	5104N	02807E	II
LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE	5624N	02336E	III
IECAVA HARDENED MRBM/IRBM LAUNCH SITE	5633N	02420E	III
TALSI, SUSPECT SSM AREA	5731N	02221E	II
KIROVOBAD, SUSPECT SSM AREA	4040N	04620E	NC
SMORGON IRBM LAUNCH SITE 3	5436N	02623E	III
GEBEL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT)	3007N	03037E	III
REDKINO HARDENED MRBM/IRBM LAUNCH SITE	5724N	02826E	NO
TYM PROBABLE HARDENED MRBM/IRBM LAUNCH SITE	3935N	06542E	NC
TAYBOLA PROB HARDENED MRBM/IRBM LAUNCH SITE	6825N	03329E	NO
NOVOSYSOYEVKA PROB HARD MRBM/IRBM LAUNCH SITE	4407N	13327E	NC
SHIRVANSKAYA HARDENED MRBM/IRBM LAUNCH SITE	4425N	03954E	NO
TSIRGULIINA HARDENED MRBM/IRBM LAUNCH SITE	5749N	02612E	NO
SEMENOVKA HARDENED MRBM/IRBM LAUNCH SITE 2	4753N	03057E	NO
LEBEDIN IRBM LAUNCH SITE 3 UNDER CONSTRUCTION	5038N	03427E	NC
VAINODE HARDENED IRBM LAUNCH SITE	5628N	02150E	II
GELLI HARDENED IRBM/MRBM LAUNCH SITE	4245N	04728E	NC
PARAUL HARDENED IRBM/MRBM LAUNCH SITE	4247N	04723E	NC
RAMOYE IRBM LAUNCH SITE	6426N	03418E	II
KAKASHURA HARDENED IRBM/MRBM LAUNCH SITE	4239N	04727E	NC
KISHENTSY HARD MRBM/IRBM LAUNCH SITE	4900N	03013E	III
LAKHDENPOKHYA MRBM LAUNCH SITE POSSIBLE	6131N	03002E	III
KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N	04545E	NC
SARY SHAGAN AMM TEST COMPLEX	4602N	07334E	II
SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)	4105N	10015E	I
TU-KO-MA-CHING, MISSILE TEST RANGE (CHINA)	4051N	10941E	NC
KAMCHATKA PENINSULA, SUSPECT ABM AREA	5600N	16000E	I

EMBA MISSILE TEST CENTER	4836N	05758E	NC
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N	03459E	NC
MOSCOW GUIDED MISSILE PLANT KHIMKI 456	5554N	03727E	NO
MOSCOW GM PLT & EXPMT STA KALININGRAD 88	5555N	03748E	NO
ZAGORSK SUSPECT STATIC TEST FAC KRASNOZAVODSK	5627N	03812E	NO
KURUMOCH ROCKET ENGINE TEST FACILITY	5331N	04949E	NO
PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172	5802N	05617E	II
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N	05615E	II
KRASNOYARSK ARMS PLANT VOROSHILOV 4	5600N	09269E	NO
KRASNOYARSK STATIC TEST STAND	5605N	09327E	II
KUYBYSHEV AIRCRAFT ENGINE PLANT FRUNZE 24	5312N	05017E	II
KUYBYSHEV AIRFRAME PLANT STALIN 1	5313N	05018E	II

25X1A

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KUYBYSHEV AIRFRAME PLANT LENIN 18 5313N 05019E II
OMSK AIRCRAFT PLANT 166 5458N 07326E II
OMSK AIRCRAFT ENGINE PLANT BARANOVA 29 5457N 07326E II
OMSK AREA, POSSIBLE STATIC TEST AREA 5527N 07322E II

25X2

UFA AIRCRAFT ENGINE PLANT A-26 5447N 05607E II
UFA AIRCRAFT ENGINE PLANT B-26 5447N 05604E II
VORONEZH, STATIC TEST FACILITY 5134N 03908E NO
KAZAN AIRCRAFT ENGINE PLANT 16 5551N 04907E II
SHCHERBAKOV AIRCRAFT ENGINE PLANT 36 5803N 03849E NO
TAI-YUAN EXPLOSIVES & AMMO PROD COMPLEX (CH) 3759N 11233E NC
KUTAI SI MOTOR VEHICLE PLANT 4216N 04237E NC
HELWAN MUNITIONS PLANT 63 (EGYPT) 2952N 03122E NC
CAIRO AIRCRAFT PLANT HELWAN (EGYPT) 2949N 03119E NC
PEIPING, STATIC TEST FACILITY (CHINA) 3950N 11608E NC

25X6

NOVE MESTO POD SUSPECT MISSILE AREA (CZECH) 5056N 01515E NC
MEDVED SUSPECT SSM AREA 5818N 03031E II

25X6

MARCIENA (MARTSIENA) POSS MISSILE SUPP INSTL 5647N 02607E NO
CHENG-HSIEN, SUSPECT MISSILE AREA (CHINA) N E NC
OZERNEY, SSM SEARCH 6624N 17906W I
STARAYA RUSSA, SUSPECT MISSILE AREA 5800N 03123E III
ZAPOLYARNYY, SUSPECT MISSILE AREA 6926N 03051E NO
HO-FEI AIRFIELD (CHINA) 3151N 11719E NC
NONGKODJADJAR, RPTD MISSILE SITE (INDONESIA) 0754S 11237E NC
ZAKOPYTYE, SUSPECT SSM AREA 5225N 03130E II
KHARGA OASIS, SSM SEARCH (EGYPT) 2535N 03038E I
BAHARIYA OASIS, SSM SEARCH (EGYPT) 2815N 02857E I
AL ISKANDARIYAH-AS SUWAYS, SSM SEARCH (EGYPT) 3035N 03010E NC
CAIRO, SAM SEARCH AREA (EGYPT) 3004N 03115E NC
DAMASCUS, SUSPECT SAM AREA (SYRIA) 3330N 03615E NC
AL QUNAYTIRAH, SUSPECT SAM AREA (SYRIA) 3307N 03549E NC
SEVERODVINSK NAVAL BASE AND SHIPYARD 402 6434N 03949E II
SEVEROMORSK SUSPECT MISSILE STORAGE 6906N 03328E NO
KOMSOMOLSK SHIPYARD AMUR 199 5033N 13702E NC
SAYDA GUBA SUBMARINE BASE 6915N 03321E NO
BALTIYSK NAVAL BASE 5439N 01955E NO
OLENYA GUBA SUBMARINE BASE 6913N 03323E NO
POLYARNYY NAVAL BASE 6912N 03328E NO
LITSA BAY, SUBMARINE BASE 6926N 03224E NO
PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE 5255N 15830E NC
VLADIMIR SUBMARINE BASE 4355N 13528E II
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 4306N 13156E I
KALININGRAD NAVAL MISSILE FACILITIES 5450N 02028E NO
SEVASTOPOL POSSIBLE NAVAL MISSILE STORAGE 4436N 03340E NO
URA GUBA, PROBABLE NEW NAVAL BASE 6920N 03249E NO
KISLAYA GUBA, SUSPECT SS BASE 6632N 03306E NO
DOLGAYA NAVAL BASE 6915N 03350E NO

25X1A

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PALA GUBA NAVAL BASE	6912N 03326E	NO
PETROVKA SHIPYARD	4307N 13220E	I
STRELOK STRAIT NAVAL BASE ANNA	4252N 13232E	I
VOSTOK BAY NAVAL BASE LIVADIYA	4252N 13241E	NC
BUKHTA ABREK AREA, NAVAL OPERATING BASE	4255N 13225E	I
DUNAY NAVAL MISSILE STORAGE	4256N 13220E	I
SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263	4858N 14017E	NC
SVERDLOVSK SUSPECT ABM AREA	5650N 06037E	II
MOSCOW SUSPECT ABM AREA	5545N 03737E	II
LENINGRAD PROBABLE AMM COMPLEXES	5955N 03020E	III
CHITA, SUSPECT ABM AREA	5254N 11332E	I
KOMSOMOLSK, SUSPECT ABM AREA	5200N 13700E	NC
BRATSK, SUSPECT ABM AREA	5654N 10030E	II
FERGANA, SUSPECT ABM AREA	4022N 07144E	NC
CHOKURDAKH, SUSPECT ABM AREA	7037N 14753E	NC
MYS SHMIDTA, SUSPECT ABM AREA	6853N 17924W	NC
KHATANGA, SUSPECT ABM AREA	7159N 10230E	NO
KIGILYAKH, SUSPECT ABM AREA	7325N 13959E	NO
PORKHOV EARLY-WARNING RADAR SITE	5744N 02940E	II
TAPA EARLY WARNING RADAR SITE	5919N 02600E	I
VYBORG, EARLY WARNING RADAR SITE	6043N 02834E	NO
AMDERMA SUSPECT ABM RADAR	6943N 06145E	I
KOSISTY SUSPECT ABM RADAR	7337N 10945E	I
ARKHANGELSK POSSIBLE ABM RADAR	6433N 04032E	II
GOMEL POSSIBLE ABM RADAR	5225N 03100E	II
ASTRAKHAN POSSIBLE ABM RADAR	4620N 04801E	NC
DIKSON, POSSIBLE ABM RADAR	7331N 08022E	NC
NOVAYA ZEMLYA, POSSIBLE ABM RADAR	7300N 05500E	NC
PODPOROZHYE, ABM RADAR SITE	6050N 03412E	II
BOROVICHI EW RADAR SITE	5826N 03355E	II
SORTAVALA, EARLY WARNING RADAR SITE	6153N 03029E	NO
KALIDJATI AIRFIELD (INDONESIA)	0633S 10740E	NC
YUN-CHENG, SUSPECT SAM AREA (CHINA)	3502N 11058E	NC
FU-SHIH, SUSPECT SAM AREA (CHINA)	3633N 10926E	NC
LIN-FEN, SUSPECT SAM AREA (CHINA)	3602N 11130E	NC
HABBANIYAH, SUSPECT SAM AREA (IRAQ)	3225N 04326E	NC
DAHSHUR SAM TRAINING AREA (EGYPT)	2948N 03111E	NC
ASTRA KSETRA, POSSIBLE SAM AREA (INDONESIA)	0430S 10515E	II
AL MANZILAH, SUSPECT SAM AREA (EGYPT)	3108N 03156E	NC
AL ISMAILIYAH, SUSPECT SAM AREA (EGYPT)	3035N 03216E	NC
CAIRO-AS SUWAYS ROAD, SUSP SAM AREA (EGYPT)	3003N 03136E	NC
ARKHANGELSK/KOLM AFLD POSSIBLE ASM SUPT	6421N 04043E	III
CHEPELEVKA AIRFIELD	4947N 03026E	I
DOLON AIRFIELD	5032N 07912E	NC
ENGELS AIRFIELD	5129N 04611E	NC
SIAULIAI AIRFIELD	5553N 02323E	II
UKRAINA AIRFIELD	5110N 12826E	I
BORZYA NORTHWEST AIRFIELD	5024N 11623E	II
BARANOVICHI AIRFIELD	5306N 02603E	II

25X1A

25X1A

MINSK/MACHULISHCHE AIRFIELD	5347N 02734E	I
OLENYA AIRFIELD	6809N 03327E	NO
STRYY AIRFIELD	4914N 02348E	NO
SREDNIY AIRFIELD	7930N 09110E	II
NORILSK AIRFIELD	6919N 08756E	NC
MYS SHMIDTA AIRFIELD	6853N 17924W	NO
GOFMANA AIRFIELD	8116N 06015E	NO
NAGURSKAYA AIRFIELD	8047N 04733E	NO
BELAYA AIRFIELD	5254N 10335E	NO
BYKHOV AIRFIELD	5331N 03012E	I
MOZDOK AIRFIELD	4347N 04436E	NC
PITU AIRFIELD (INDONESIA)	0203N 12818E	NC
KALININGRAD/PROVEREN AIRFIELD	5446N 02025E	I
PRILUKI AIRFIELD	5034N 03219E	I
POLTAVA AIRFIELD	4937N 03430E	NC
ORSHA SOUTHWEST AIRFIELD	5426N 03018E	I
BELAYA TSERKOV AIRFIELD	4947N 03001E	I
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E	NO
ZHITOMIR/SKOMOROKHI AIRFIELD	5010N 02844E	I
NEZHIN AIRFIELD	5105N 03152E	I
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E	NO
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E	I
BOBRUYSK AIRFIELD	5306N 02912E	I
ANADYR/LENINKA AIRFIELD	6442N 17742E	NO
TIKSI AIRFIELD	7141N 12853E	NO
ASPIDNOYE AIRFIELD	6921N 16134E	II
VORKUTA EAST AIRFIELD	6727N 06415E	NO
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	7057N 17936W	NO
MELITOPOL AIRFIELD	4653N 03518E	NC
MIRGOROD AIRFIELD	4956N 03339E	NC
USSURIYSK/VOZDVIZHENKA AIRFIELD	4355N 13156E	I
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	5535N 03807E	II
SEMLAK AIRFIELD (INDONESIA)	0632S 10645E	II
ASTRAKHAN NORTHWEST AIRFIELD	4625N 04755E	NC
KU-ERH-LO AREA, AIRFIELD (CHINA)	4146N 08555E	NC
TU-LU-FAN AIRFIELD (CHINA)	4257N 08910E	NC
YING-PAN AREA, AIRFIELD (CHINA)	4038N 08749E	NC

25X2

25X1A

25X6

25X2

HSING-LUNG-CHUANG, POSS MINERAL PROCESS (CH) 3658N 10051E NO

25X2

CHAN-CHIANG NAVAL BASE (CHINA)	2112N	11025E	NC
AMBOINA PORT FACILITIES (INDONESIA)	0342S	12812E	NC
VARNA NAVAL BASE & SHIP REPAIR YARD (BULGARIA)	4311N	02754E	II
OCHAMCHIRE NAVAL BASE	4244N	04125E	II
VLONE NAVAL BASE (ALBANIA)	4027N	01929E	NC
BATUMI NAVAL BASE & SHIPYARD DZERZHINSKIY	4139N	04138E	II
NOVOROSSIIYSK NAVAL BASE	4443N	03746E	II
CONSTANTA NAVAL BASE	4409N	02839E	II
MANGALIA NAVAL BASE (RUMANIA)	4348N	02832E	II
SOZOPOL NAVAL BASE (BULGARIA)	4225N	02741E	NO
POTI NAVAL BASE & SHIPYARD YELYAVA 201	4209N	04139E	II
BALAKLAVA SUBMARINE BASE	4430N	03336E	NO
SEVASTOPOL NAV BASE & SHIPYARD SEVMORZAVOD	4974436N	03332E	I

25X2

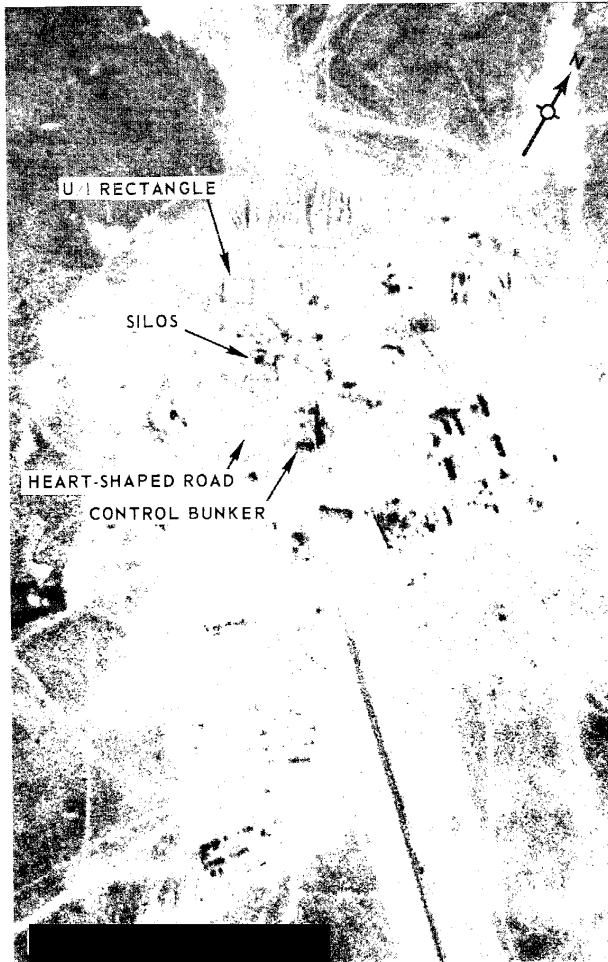
25X1A

25X2

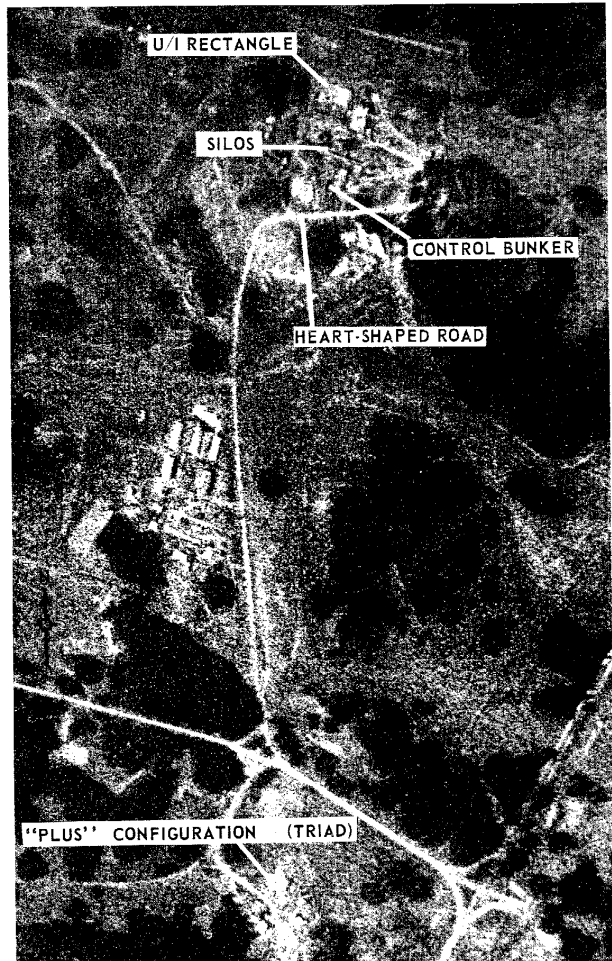
KILDIN ISLAND, INSTRUMENTATION SITE	6922N 03412E	NO
MARKOVO, SUSPECT ELECTRONICS FACILITY	6440N 17025E	I
BARANOVKA, SUSPECT ELECTRONICS FACILITY	4648N 13721E	NC
ANADYR, SUSPECT ELECTRONICS FACILITY	6444N 17728E	NO
SAMODED, SUSPECT COMMUNICATIONS FACILITY	6336N 04028E	NO
WADI AN NATRUN RADAR STATION (EGYPT)	3025N 03025E	I
HSI-NING TO LHASA ROAD (CHINA)	3637N 10155E	NO
TI-HUA TO RUDDG ROAD (CHINA)	4348N 08735E	NC
CHENG-TU TO LHASA ROAD (CHINA)	3040N 10404E	NC
HUNG-LIU-YUAN TO LHASA ROAD (CHINA)	4102N 09532E	NC
HSI-AN COMPLEX (CHINA)	3417N 10857E	NC
PAO-TOU COMPLEX (CHINA)	4040N 10948E	NC
DJAKARTA COMPLEX (INDONESIA)	0610S 10650E	I
ANGARSK PETROLEUM REFINERY	5234N 10354E	NC
POLOTSK PETROLEUM REFINERY	5537N 02833E	NO
LOP NOR AREA, CIRCULAR GROUND SCAR (CHINA)	4045N 08940E	NC

25X1B

SHESTOVO, POSSIBLE MISSILE ASSOCIATED INSTAL	6257N 04013E	NO
SHESTOVO, POSSIBLE MISSILE ASSOCIATED INSTAL	6258N 04011E	NO



NPIC H-3125 16 681
LAUNCH COMPLEX F, TYURA TAM MISSILE TEST CENTER



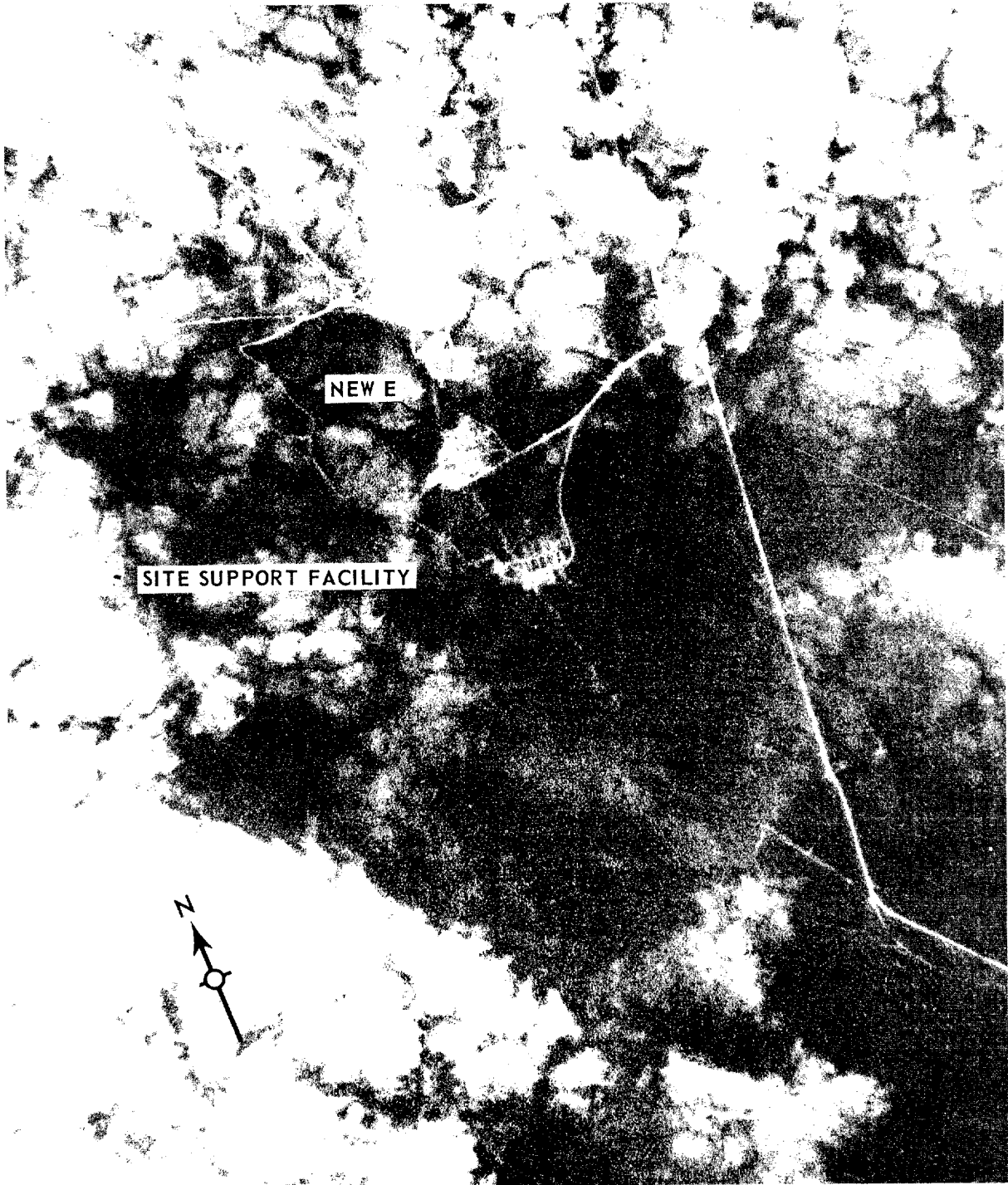
LAUNCH AREA A, OMSK ICBM COMPLEX

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1D

NPIC R-106 63
ATTACHMENT 1



LAUNCH AREA E, KOZELSK ICBM LAUNCH COMPLEX

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NPIC H-3130 (6/63)

SURFACE-TO-AIR MISSILE ACTIVITY, AL ISKANDARIYAH, EGYPT

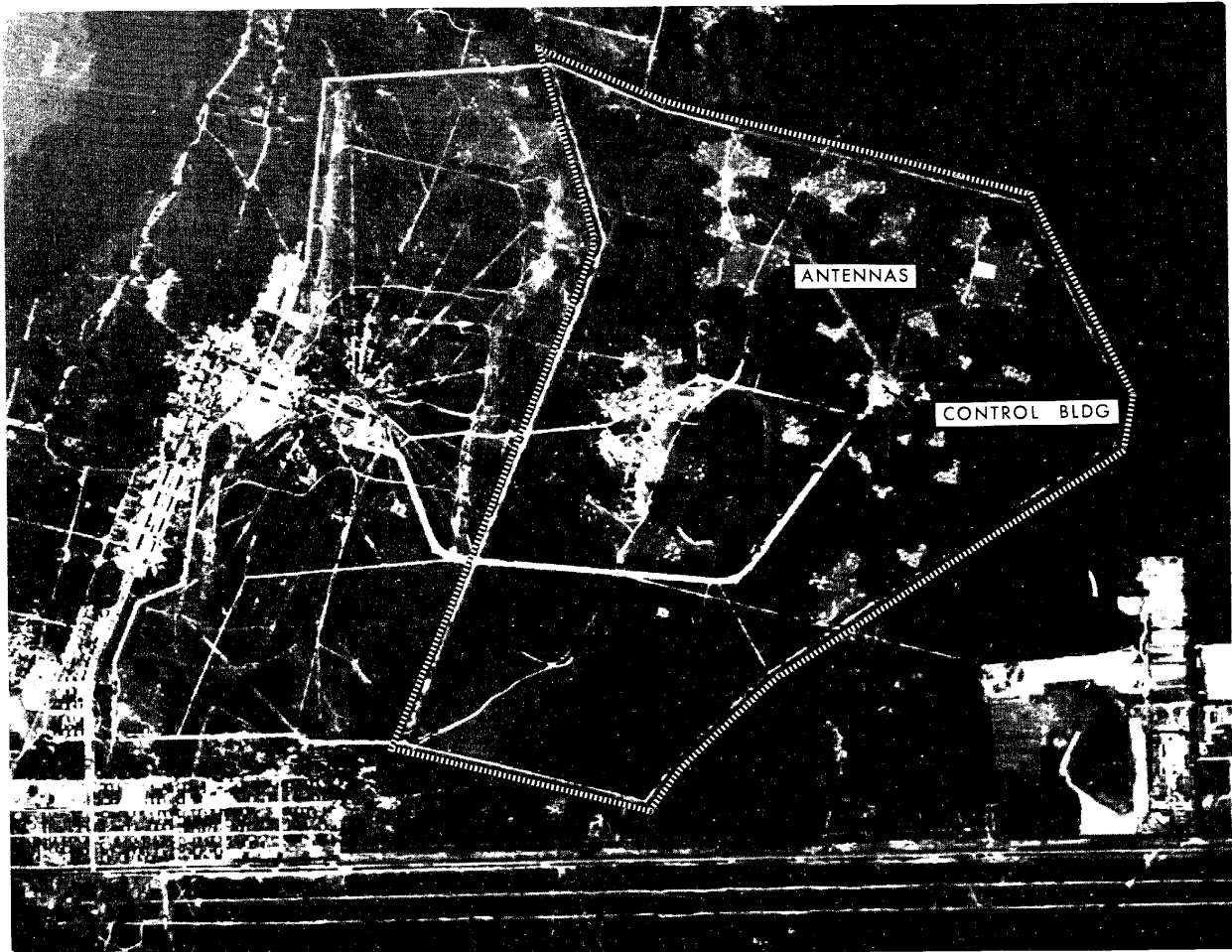
NPIC R-106/63
ATTACHMENT 3

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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NPIC R-106 63

NEWLY IDENTIFIED RADIO TRANSMITTING SITE, KIEV AREA

NPIC R-106 63
ATTACHMENT 4

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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TOP SECRET
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Approved For Release 2001/11/05 : CIA-RDP78B04560A000600010023-7
TOP SECRET