

OAK - PART II

MISSION 1004-2

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1004-2 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 27 FEBRUARY 1964, TO 1500 HOURS, 28 FEBRUARY 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED ON MISSION 1004-2 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). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1004-2 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.

Declassification Review by NIMA / DoD

25X1D

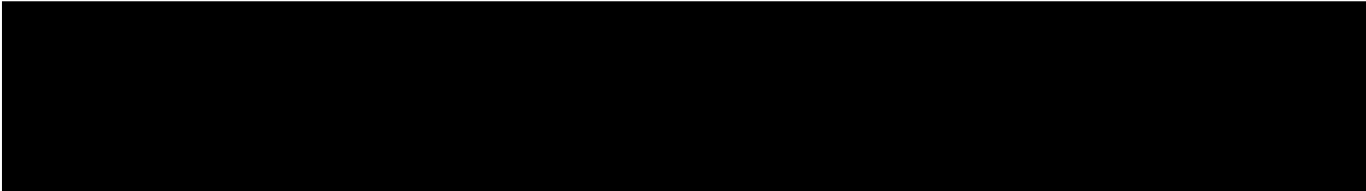
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HIGHLIGHTS

1. TYURATAM MISSILE TEST CENTER (COMOR [REDACTED]) 25X1A
ACTIVITY IS APPARENT AT ALL LAUNCH COMPLEXES AND CONSTRUCTION HAS CONTINUED AT THOSE NOT COMPLETE AND IN SEVERAL AREAS OF UNIDENTIFIED ACTIVITY. SIGNIFICANT CHANGES INCLUDE THE CONSTRUCTION OF AN ELECTRONICS FACILITY AT LAUNCH COMPLEX D (SITE 4), COMPLETION OF LAUNCH AREA G1-G2, PROBABLE COMPLETION OF LAUNCH COMPLEX H, A NEWLY UNIDENTIFIED SECURED AREA OF CONSTRUCTION ACTIVITY BETWEEN COMPLEXES A (SITE 1) AND B (SITE 2), AND TWO VERY LARGE BUILDINGS UNDER CONSTRUCTION IN THE SUPPORT AREA BETWEEN COMPLEXES A AND E (SITE 6).

2. BYKHOV AIRFIELD (COMOR [REDACTED]) 25X1A
SEVENTY-TWO PROBABLE BADGER AND 2 MEDIUM STRAIGHT-WING AIRCRAFT OBSERVED.

3. SUSPECT AMM PHASED-ARRAY RADAR, MOSCOW AREA. (MISSILE BONUS 1)
THIS INSTALLATION, CONTAINING AN INVERTED V-SHAPED STRUCTURE 330 FT HIGH AND 305 FT LONG, HAS BEEN IDENTIFIED 35 NM WSW OF MOSCOW AT 55-29-50N 036-41-10E.

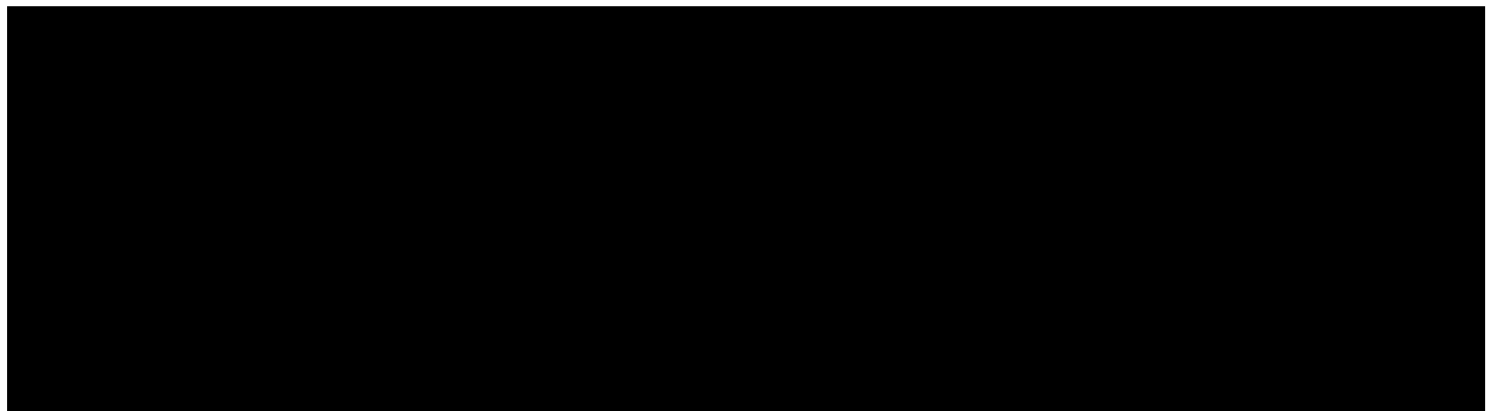


25X1B

STATUS OF COMOR TARGET READOUT

A TOTAL OF 90 COMOR TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT.

25X2



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NPIC/R-156/64

MISSILES

25X1A

VERKHNYAYA SALDA ICBM COMPLEX 5802N 06023E

NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

GOOD QUALITY PHOTOGRAPHY REVEALS NO INDICATION OF NEW CONSTRUCTION BEGINNING IN THE VICINITY OF THE COMPLEX. NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS ON CLOUD-FREE PHOTOGRAPHY WITH SNOW COVER.

25X1D

TYURATAM MISSILE TEST CENTER 4550N 06318E

THE CENTER IS COVERED BY CLEAR, GOOD QUALITY PHOTOGRAPHY. ALTHOUGH THE ENTIRE RANGEHEAD IS SNOW COVERED, SNOW REMOVAL IN MOST OF THE LAUNCH COMPLEXES PERMITS OBSERVATION OF CONSIDERABLE DETAIL. ACTIVITY IS APPARENT AT ALL LAUNCH COMPLEXES AND CONSTRUCTION HAS CONTINUED AT THOSE NOT COMPLETE AND IN SEVERAL AREAS OF UNIDENTIFIED ACTIVITY. SIGNIFICANT CHANGES INCLUDE THE CONSTRUCTION OF AN ELECTRONIC FACILITY AT LAUNCH COMPLEX D (SITE 4), COMPLETION OF LAUNCH AREA G1-G2, PROBABLE COMPLETION OF LAUNCH COMPLEX H, A NEWLY UNIDENTIFIED SECURED AREA OF CONSTRUCTION ACTIVITY BETWEEN COMPLEX A (SITE 1) AND B (SITE 2) AND 2 VERY LARGE BUILDINGS UNDER CONSTRUCTION IN THE SUPPORT AREA BETWEEN COMPLEXES A AND E.

LAUNCH COMPLEX A -- A HIGH TOWER WHICH APPEARS TO BE SIMILAR TO THOSE AT LAUNCH COMPLEX G IS POSITIONED APPROXIMATELY 500 FT TO THE REAR OF LAUNCH PAD A1, ON THE CENTER RAIL. A BUILDING APPROXIMATELY 100 FT LONG HAS BEEN CONSTRUCTED BETWEEN A1 AND A2, AND A SECOND, SLIGHTLY SHORTER BUILDING HAS BEEN CONSTRUCTED IN FRONT OF LAUNCH PAD A2. NO OTHER APPARENT CHANGE IN THE SUPPORT AREA OR IN THE LAUNCH FACILITIES. A NEW RAIL SPUR IS UNDER CONSTRUCTION FROM THE SUPPORT FACILITY TO THE END OF THE ROAD RECENTLY CONSTRUCTED (MISSION [REDACTED] FROM THE INSTRUMENTATION CONTROL CENTER. A NEW EXCAVATION IS LOCATED APPROXIMATELY 1,100 FT SOUTH OF THE END OF THE ROAD.

25X1D

25X1D

NPIC/R-156/64

25X1D LAUNCH COMPLEX B -- A NEWLY IDENTIFIED SECURED AREA IS LOCATED 2,800 FT WEST OF THE LAUNCH AREA. A PROBABLE BURIED BUILDING OR STRUCTURE IS LOCATED WITHIN A HILLOCK IN THIS SECURED AREA. A LINEAR SCAR AND VEHICLE TRACK ACTIVITY LED TO THIS AREA AS EARLY AS [REDACTED] A NEW RAIL SPUR, BRANCHING FROM THE SPUR SERVING THE LAUNCH PAD, HAS BEEN CONSTRUCTED TO THE LARGEST OF THE READY BUILDINGS.

25X1D LAUNCH COMPLEX C (SITE 3) -- NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1D LAUNCH COMPLEX D (SITE 4) -- BOTH LAUNCH AREAS ARE DOUBLE FENCED. AREA D1 SHOWS NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] WHEN THIS SITE WAS REPORTED COMPLETE. NO ACTIVITY OBSERVED. LAUNCH AREA D2 HAS BEEN BACK-FILLED. THE TEXTURE OF THE AREA IS ROUGH AND DOES NOT HAVE THE CLEAN LOOK OF A FINISHED SITE. NEITHER THE SILO COVERS NOR THE CHARACTERISTIC LOOP ROAD PATTERN IS EVIDENT. AN ELECTRONIC DEVICE IS UNDER CONSTRUCTION APPROXIMATELY 3,900 FT SOUTH OF D2. IT CONSISTS OF A TRIANGULAR SECURED AREA CONTAINING AN L-SHAPED GROUND SCAR WHOSE ORIENTATION AND LEG LENGTH ARE THE SAME (APPROXIMATELY 1,250 FT) AS THAT AT THE ELECTRONIC DEVICE ASSOCIATED WITH LAUNCH COMPLEX H. THIS FACILITY IS CONNECTED TO D2 BY A DITCH AND LINEAR GROUND SCARS. APPROXIMATELY 7,500 FT WEST OF D2 THERE IS A NEW AREA OF UNIDENTIFIED CONSTRUCTION. THE AREA IS SECURED AND CONTAINS 2 BUILDINGS, A PROBABLE HARDSTAND, AND AN EXCAVATION WITH SEVERAL UNIDENTIFIED OBJECTS IN IT. THE BUILDINGS ARE APPROXIMATELY 330 X 90 FT AND 135 X 50 FT. A PERPENDICULAR TO THEIR LONG AXIS WOULD BE PARALLEL TO THE DOWNRANGE LEG OF THE ELECTRONIC DEVICE.

25X1D MISSION [REDACTED] COMPLEX IS COMPLETE.

25X1D LAUNCH COMPLEX F (SITE 5) -- NO APPARENT CHANGE SINCE MISSION [REDACTED] THE COMPLEX IS PROBABLY COMPLETE.

LAUNCH COMPLEX G (SITE 7) -- LAUNCH AREA G1-G2 IS PROBABLY COMPLETE. A HIGH MOBILE MISSILE SERVICE TOWER IS POSITIONED BETWEEN EACH LAUNCH PAD AND ITS READY BUILDING. AN OBJECT, AT LEAST 100 FT IN LENGTH, IS PROJECTING FROM THE LEFT MISSILE READY BUILDING AND APPEARS TO BE ON A RAIL LINE TO THE LEFT LAUNCH PAD.

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LAUNCH AREA G3-G4 -- CONSTRUCTION CONTINUES. THE EXCAVATIONS ARE STILL OPEN, BUT DETAILS WITHIN THEM ARE NOT DISCERNIBLE. THE RAIL LINE INTO THE AREA DIVIDES INTO 5 SPURS THAT ARE STILL UNDER CONSTRUCTION. AT LEAST 8 BUILDINGS APPEAR TO BE COMPLETE AND ARE EARTH MOUNDED.

25X1D

COMPLEX SUPPORT FACILITY -- 7 SMALL BUILDINGS AND 4 RAIL SPURS HAVE BEEN CONSTRUCTED. NO OTHER CHANGES OBSERVED SINCE MISSION [REDACTED]

25X1D

AREAS WEST OF G1-G2 -- THE 2 BUILDINGS IN THE WESTERNMOST SECURED AREA APPEAR TO BE COMPLETE. NO APPARENT CHANGE IN THE AREA SOUTH OF THE ACCESS ROAD SINCE MISSION [REDACTED] A NEW UNIDENTIFIED SCAR EXTENDS NORTH APPROXIMATELY ONE NM FROM THE ACCESS ROAD SERVING THOSE 2 INSTALLATIONS.

25X1D

LAUNCH COMPLEX H -- LAUNCH PAD H1 IS LOCATED AT THE INTERSECTION OF THE LONG AXES OF 4 EARTH-MOUNDED BUILDINGS ARRANGED IN A CRUCIFORM. IT IS PROBABLY COMPLETE. LAUNCH PAD H2 APPEARS TO BE A MIRROR IMAGE EXCEPT THAT THE FORWARD BUILDING FORMING THE LONG LEG OF THE CROSS IS SHORTER. H2 IS PROBABLY ALSO COMPLETE EXCEPT THAT THE GROUND TEXTURE IN ITS VICINITY IS ROUGH AND DOES NOT APPEAR AS FINISHED AS H1. THE RAIL SPUR INTO THE COMPLEX DIVIDES AND EXTENDS TO EACH PROBABLE MISSILE-READY BUILDING, WHICH IS FORWARD OF ITS ASSOCIATED LAUNCH PAD. A STRAIGHT TRACK THEN EXTENDS BACK FROM THE PROBABLE MISSILE-READY BUILDING TO THE RELATED LAUNCH PAD. NO DISCERNIBLE CHANGE NOTED IN THE ELECTRONIC FACILITY SINCE MISSION [REDACTED]

25X1D

SUPPORT AREA BETWEEN A AND E -- CONSTRUCTION CONTINUES. ONE H-SHAPED AND 9 OTHER BUILDINGS HAVE BEEN CONSTRUCTED SINCE MISSION [REDACTED] FOUNDATIONS FOR 2 BUILDINGS, EACH APPROXIMATELY 750 X 260 FT, AND FOUNDATIONS FOR 5 SMALLER BUILDINGS ARE UNDER CONSTRUCTION ON THE EAST SIDE OF THE MAIN RAIL AND ROAD ACCESS. THE RAIL AND ROAD FACILITIES HAVE NOT BEEN EXTENDED SINCE MISSION [REDACTED] NO LAUNCH FACILITIES CAN BE IDENTIFIED.

25X1D

25X1D

AREA OF CONSTRUCTION BETWEEN A AND B -- THE RAIL LINE AND ROAD HAVE NOT BEEN EXTENDED SINCE MISSION [REDACTED] A SECURED AREA, WHOSE SHAPE IS SIMILAR TO LAUNCH AREA

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G3-G4, HAS BEEN CONSTRUCTED ON THE SE SIDE OF THE RAIL LINE AND ROAD. IT CONTAINS A BUILDING APPROXIMATELY 85 X 30 FT AND A SHALLOW RECTANGULAR EXCAVATION.

25X1D

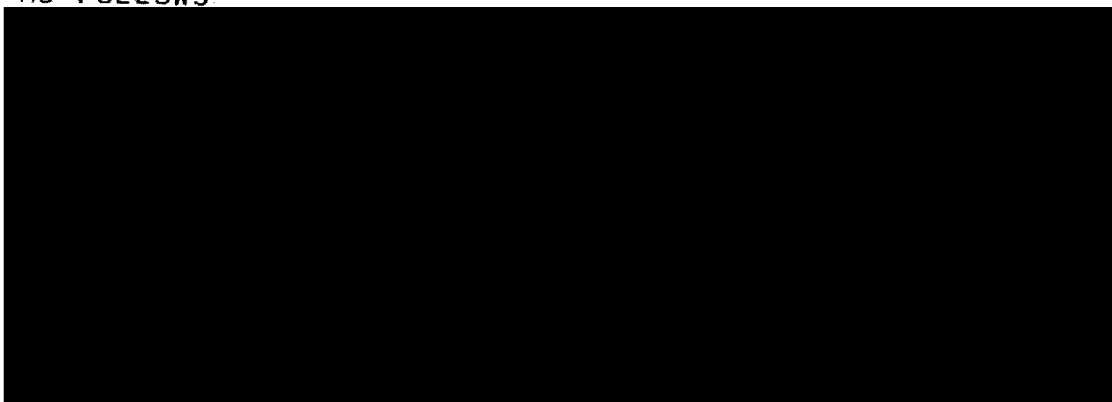
CENTRAL SUPPORT FACILITY -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

MAIN SUPPORT BASE -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE AS FOLLOWS --



25X1D

(ATTACHMENTS 1-7)

25X1A



[REDACTED] DROVYANAYA ICBM COMPLEX 5132N 11301E

NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREAS A (SITE 1), B (SITE 2), AND C (SITE 4). LAUNCH AREA D (SITE 3) IS NOW COMPLETE. LAUNCH AREAS E (SITE 5) AND F (SITE 6) ARE STILL IN A MID-STAGE OF CONSTRUCTION. THE EXCAVATIONS WITH NOTCH AT BOTH SITES CONTAIN 3 SILOS UNDER CONSTRUCTION. GOOD QUALITY PHOTOGRAPHY REVEALS NO IDENTIFIABLE NEW CONSTRUCTION IN THE VICINITY OF THE COMPLEX.

NO ABM ACTIVITY NOTED WITHIN A 50-NM RADIUS OF THE COMPLEX ON CLOUD-FREE PHOTOGRAPHY WITH SNOW COVER.

25X1D



NPIC/R-156/64

25X1A

ITATKA ICBM COMPLEX 5650N 08536E

NO SIGNIFICANT CHANGES IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT AND LAUNCH AREAS A (SITE 1) AND B (SITE 2) SINCE MISSION [REDACTED]. THERE HAS BEEN NO CHANGE IN THE TERMINUS OF THE ROAD EAST OF LAUNCH AREA B NOR ANY INDICATIONS OF ACTIVITY ALONG THE ROAD SINCE MISSION [REDACTED]. A FEW BUILDINGS AND AN AREA OF GROUND SCARRING FROM WHICH SNOW IS CLEARED ARE PRESENT EAST OF THE COMPLEX MAIN ROAD AT THE POINT IT TURNS NORTH TO THE LAUNCH SITES. LAUNCH AREA C, A TYPE IID, IS CONFIRMED AS COMPLETE. A NEW ADDITION TO THE SITE SUPPORT FACILITIES CONSISTING OF A GROUP OF NEW BUILDINGS IS LOCATED ON THE NORTH SIDE OF THE ACCESS ROAD WEST OF THE LAUNCH SITE.

25X1D

25X1D

25X1D

NO EVIDENCE OF ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS --



25X1D

SHADRINSK ICBM COMPLEX 5608N 06341E

LAUNCH AREA A (SITE 1) SHOWS NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]. THE LOOP ROAD PATTERN AND SILO COVERS IN LAUNCH AREA B (SITE 2) ARE NOW COMPLETE WITH THE LOOP ROAD AND 3 SILO COVERS READILY APPARENT. LAUNCH AREA C (SITE 3) IS IN A MID-STAGE OF CONSTRUCTION WITH A CONTROL BUNKER, 3 SILOS, AND 2 EQUIPMENT BUNKERS UNDER CONSTRUCTION WITHIN THE EXCAVATION. EXCELLENT QUALITY PHOTOGRAPHY REVEALS NO EVIDENCE OF NEW CONSTRUCTION IN THE VICINITY OF THE COMPLEX. NO ABM ACTIVITY NOTED ON CLOUD-FREE PHOTOGRAPHY WITH SNOW COVER WITHIN A 50-NM RADIUS OF THE COMPLEX.

25X1D

25X1D



NPIC/R-156/64

25X1A

OMSK ICBM COMPLEX 5503N 07330E

GOOD QUALITY, NON-STEREO PHOTOGRAPHY REVEALS ACTIVITY AT THE OMSK ICBM COMPLEX BUT NO EVIDENCE OF NEW STARTS FOR ADDITIONAL LAUNCH AREAS. THE COMPLEX SUPPORT FACILITY AND ROAD-TO-RAIL TRANSFER POINT SHOW NO SIGNIFICANT CHANGES SINCE MISSION [REDACTED]

25X1D

[REDACTED] HOWEVER, A NEW ROAD-SERVED UNIDENTIFIED ACTIVITY IS PRESENT ABOUT 1,200 FT FROM THE TRANSFER POINT. THIS ACTIVITY WAS NOT PRESENT ON MISSION [REDACTED]

25X1D

25X1D

LACK OF STEREO COVER PRECLUDES EVALUATION OF CONSTRUCTION STATUS AT LAUNCH AREA A (SITE 2), BUT THE AMOUNT OF TRACK ACTIVITY WOULD INDICATE CONSTRUCTION IS STILL IN PROGRESS. A RIM FACILITY IS PRESENT ON THE WEST SIDE OF ACCESS ROAD LEADING TO THE LAUNCH AREA. NEW BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITIES.

THERE ARE NO SIGNIFICANT CHANGES AT LAUNCH AREA B (SITE 2) SINCE MISSION [REDACTED] THE COMPLEX MAIN ROAD HAS NOT BEEN CLEARED OF SNOW BEYOND LAUNCH AREA A. THE EXCAVATION IS APPARENT BUT IT APPEARS SNOW COVERED AND NO SIGNS OF ACTIVITY ARE PRESENT AT THE SITE.

25X1D

NO ABM ACTIVITY WAS DETECTED WITHIN 50-NM RADIUS OF THE COMPLEX. ONLY 80 PERCENT OF THE AREA VISIBLE. AREAS NORTH AND WEST NOT COVERED.

PHOTOGRAPHIC REFERENCE FOR SIGNIFICANT ITEMS --

25X1D

PERM ICBM COMPLEX 5742N 05619E

IDENTIFICATION ONLY.

25X1D

TOP SECRET CHESS RUFF

NPIC/R-156/64

25X1A

TYUMEN ICBM COMPLEX 5652N 06553E

NO APPARENT CHANGE IN LAUNCH AREAS A (SITE 3), B (SITE 1), C (SITE 2) AND D (SITE 4) SINCE MISSION [REDACTED] THE COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT WERE NOT COVERED.

25X1D

QUALITY OF PHOTOGRAPHY PRECLUDED SEARCH FOR ABM ACTIVITY.

PHOTOGRAPHIC REFERENCE FOR [REDACTED]

25X1D

GLADKAYA ICBM COMPLEX 5605N 09213E

NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT OR LAUNCH AREAS A (SITE 3) AND C (SITE 4). NO SIGNIFICANT CHANGE IN LAUNCH AREA E (SITE 6). LAUNCH AREA B (SITE 2), A TYPE IID SITE, IS COMPLETE. ALL BUILDINGS ARE PRESENT. NO CONSTRUCTION ACTIVITY VISIBLE. LAUNCH AREA D (SITE 5) IS IN A MID-STAGE OF CONSTRUCTION. THE EXCAVATION AND NOTCH ARE VISIBLE. TWO SILOS OR SHAFTS FOR THE SILOS ARE DISCERNIBLE. THE SITE SUPPORT FACILITY CONTAINS APPROXIMATELY 45 BUILDINGS -- AN INCREASE OF 24 BUILDINGS. A RAGGED EXCAVATION ON THE EDGE OF A KNOLL IS OBSERVED BETWEEN LAUNCH AREAS D (SITE 5) AND E (SITE 6) AT COORDINATES 56-23N 092-14E, NEAR THE VILLAGE OF PREOBRAZHENKA. IT WAS NOT PRESENT ON MISSION [REDACTED]

25X1D

25X1D

[REDACTED] NO EVIDENCE OF NEW LAUNCH SITES DETECTED ON GOOD QUALITY PHOTOGRAPHY.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS.

PHOTOGRAPHIC REFERENCES FOR FACILITIES COVERED --

25X1D

25X1A

[REDACTED] KOZELSK ICBM COMPLEX 5357N 03548E

THE COMPLEX IS COVERED BY CLOUD-FREE, GOOD QUALITY

TOP SECRET CHESS RUFF

NPIC/R-156/64

PHOTOGRAPHY. LAUNCH AREAS B (SITE 2) AND D (SITE 4) ARE NOW COMPLETE. BOTH AREAS CONTAIN TYPE IIC SITES. NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS A (SITE 3) AND C (SITE 1), AND THE UNIDENTIFIED ACTIVITY LOCATED APPROXIMATELY 3.6 NM SOUTH OF LAUNCH AREA F (SITE 6) AT 53-37N 035-37E SINCE MISSION [REDACTED] LAUNCH AREA F (SITE 6), A TYPE IIIB SITE, REMAINS IN A MID-STAGE OF CONSTRUCTION. THE 3 SILOS, CONTROL BUNKER, AND CONNECTING PASSAGEWAY ARE STILL UNDER CONSTRUCTION. LAUNCH AREA E (SITE 5), A TYPE IIIB SITE, IS STILL IN A MID-STAGE OF CONSTRUCTION. THE EXCAVATION IS ONLY PARTIALLY BACK-FILLED.

25X1D

NO INDICATIONS OF NEW LAUNCH SITES WERE DETECTED. NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS.

PHOTOGRAPHIC REFERENCE FOR COMPLEX SUPPORT FACILITY --

25X1D

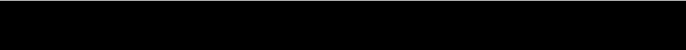


25X1A

[REDACTED] GVARDEYSK MRBM LAUNCH SITE 2 5445N 02109E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS.

CLOUDS AND SNOW PRECLUDE NEGATION.



25X1D

[REDACTED] SLEDYUKI MRBM LAUNCH SITE 5341N 03020E

THIS CONFIRMED, OFFSET MRBM SITE CONSISTS OF 4 PADS ORIENTED TO THE NORTH AND 4 MOUNDED READY-BUILDINGS. A FIFTH UNMOUNDED BUILDING, SMALLER THAN THE READY-BUILDINGS, IS LOCATED DIRECTLY BEHIND THE SECOND PAD FROM THE EAST. SEVERAL STRUCTURES OF AN UNDETERMINED FUNCTION ARE ASSOCIATED WITH EACH PAD. NO NUCLEAR WARHEAD FACILITY OR SITE SUPPORT FACILITY OBSERVED IN THE VICINITY OF THE LAUNCH SITE. THE OVERALL LAYOUT OF THE LAUNCH SITE IS GENERALLY SIMILAR TO THAT OF SEVEN OTHER SINGLY DEPLOYED LAUNCH SITES, ALL OF WHICH LACK A SITE SUPPORT FACILITY.

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NO ADDITIONAL SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA.

25X1D

[REDACTED]

25X1A

ZNAMENSK MRBM LAUNCH SITE 1 5433N 02111E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS.

SCATTERED CLOUDS AND SNOW PRECLUDE NEGATION.

[REDACTED]

25X1D

BALTA MRBM LAUNCH SITE 1 4801N 02933E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS.

HAZE AND SCATTERED CLOUDS PRECLUDE NEGATION.

[REDACTED]

25X1D

GRESK MRBM LAUNCH SITE 1 5314N 02742E

NO ADDITIONAL SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA.

AREA CAN NOT BE NEGATED.

[REDACTED]

25X1D

TAPA SUSPECT MISSILE AREA 5916N 02558E

NO NEW SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS.

[REDACTED]

25X1D

LIDA MRBM LAUNCH SITE 1 5347N 02521E

NO HARDENED SSM INSTALLATIONS OF KNOWN CONFIGURATION PRESENT IN SEARCH AREA.

~~TOP SECRET CHESS RUFF~~

NPIC/R-156/64

AREA CAN BE NEGATED.

25X1D

[REDACTED]

25X1A

VSELYUB MRBM LAUNCH SITE 1 5346N 02543E

NO HARDENED SSM INSTALLATIONS OF KNOWN CONFIGURATION
WITHIN SEARCH AREA.

AREA CAN BE NEGATED.

25X1D

[REDACTED]

KUSHKA, SUSPECT SSM AREA 3516N 06224E

NORTHEAST QUADRANT OF SEARCH AREA 85 PERCENT
CLOUD-COVERED. NO SSM ACTIVITY OBSERVED
IN CLOUD-FREE PORTIONS.

25X1D

[REDACTED]

BAYRAM ALI IRBM LAUNCH SITE 3746N 06212E

NO APPARENT CHANGE SINCE MISSION [REDACTED]
NO ADDITIONAL SITES OBSERVED WITHIN 25-NM RADIUS.

25X1D

25X1D

[REDACTED]

ROZHDESTVENKA MRBM LAUNCH SITE 4547N 13343E

NO NEW MRBM ACTIVITY OBSERVED WITHIN 25-NM RADIUS.

SNOW PRECLUDES NEGATION OF AREA.

25X1D

[REDACTED]

URECHYE MRBM LAUNCH SITE 5311N 02758E

NO ADDITIONAL SSM ACTIVITY OBSERVED IN CLOUD-FREE
PORTIONS OF SEARCH AREA.

AREA CAN NOT BE NEGATED.

~~TOP SECRET CHESS RUFF~~

NPIC/R-156/64

25X1D

[REDACTED]

25X1A

SKRUNDA IRBM LAUNCH SITE 5635N 02149E
SITE APPEARS COMPLETE.

[REDACTED]

25X1D

GRANOV IRBM LAUNCH SITE 2 4849N 02929E
SITE APPEARS TO BE IN A LATE STAGE OF CONSTRUCTION.

[REDACTED]

25X1D

SMORGON IRBM LAUNCH SITE 2 5426N 02618E
EXCELLENT STEREO COVERAGE REVEALS THAT THIS SITE IS
IN A MID-STAGE OF CONSTRUCTION AND NOT COMPLETE AS
PREVIOUSLY REPORTED. THE CENTRAL BUNKER IS VISIBLE.
IT HAS NOT BEEN BACK-FILLED. ALL 3 SILOS ARE VISIBLE.
ONLY ONE SILO COVER IS DISCERNIBLE AND IT IS IN THE
OPEN POSITION IN FRONT OF THE RIGHT FORWARD SILO.

[REDACTED]

25X1D

LIELELEJA MRBM LAUNCH SITE 5624N 02336E
NO APPARENT CHANGE SINCE MISSION [REDACTED]
NO ADDITIONAL HARDENED SSM INSTALLATIONS OF KNOWN
CONFIGURATION WITHIN SEARCH AREA.
AREA CAN BE NEGATED.

25X1D

[REDACTED]

25X1D

IECAVA MRBM LAUNCH SITE 5633N 02420E
NO APPARENT CHANGE SINCE MISSION [REDACTED]
NO HARDENED SSM SITE OF ANY KNOWN CONFIGURATION
OBSERVED IN AREA.
AREA CAN BE NEGATED.

25X1D

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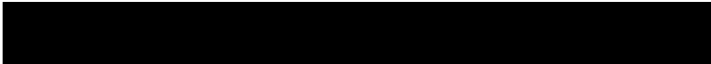
25X1D



25X1A



JABAL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT) 3007N 03037E
IDENTIFICATION ONLY.

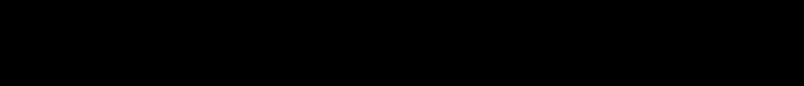


25X1D

REDKINO MRBM LAUNCH SITE 5724N 02826E

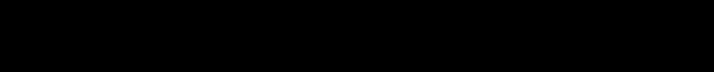
HARDENED MRBM SITE IS IN A MID-STAGE OF
CONSTRUCTION. SITE HAS NOT BEEN BACK-FILLED.
ONLY ONE SILO COVER VISIBLE. NO ADDITIONAL SSM
ACTIVITY OBSERVED WITHIN 25-NM RADIUS.

SEARCH AREA CAN BE NEGATED.



25X1D

SEMENOVKA IRBM LAUNCH SITE 2 4753N 03057E
IDENTIFICATION ONLY.



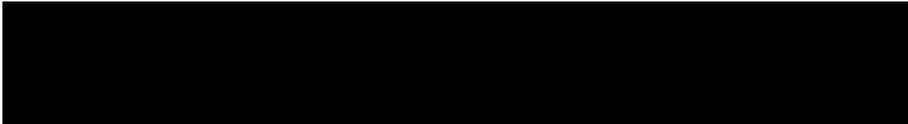
25X1D

VAINODE IRBM LAUNCH SITE 5628N 02150E
SNOW AND LACK OF STEREO COVERAGE PRECLUDE
DETERMINATION OF STATUS OF CONSTRUCTION.



25X1D

GELLI IRBM LAUNCH SITE 4245N 04728E



25X1D

NPIC/R-156/64

25X1A

PARAUL IRBM LAUNCH SITE 4247N 04723E
IDENTIFICATION ONLY.

25X1D

KAKASHURA IRBM LAUNCH SITE 4239N 04727E
NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

KISHENTSY MRBM LAUNCH SITE 4900N 03013E
SITE IS CLOUD COVERED. NO ADDITIONAL SSM ACTIVITY
OBSERVED WITHIN CLOUD-FREE PORTIONS OF
SEARCH AREA.

25X1D

KALNIK IRBM LAUNCH SITE 4859N 02922E
NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

BIKIN, SUSPECT MRBM/IRBM AREA 4649N 13416E
ONLY WESTERN 30 PERCENT OF SEARCH AREA COVERED.
NO MRBM ACTIVITY OBSERVED.

25X1D

NOVOSYSOYEVKA IRBM LAUNCH SITE 4407N 13325E
THIS SITE IS NOW A CONFIRMED HARDENED IRBM
LAUNCH SITE IN THE EARLY STAGES OF CONSTRUCTION.
AREA CONSISTS OF A SITE SUPPORT FACILITY WITH 4
BUILDINGS AND A LAUNCH SITE WITH EXCAVATION
UNDER WAY.

25X1D

NPIC/R-156/64

25X1A

LEJASCIEMS MRBM LAUNCH SITE 2 5713N 02633E

IDENTIFICATION ONLY.

25X1D

POSTAVY MRBM LAUNCH SITE 5506N 02700E

EXCELLENT STEREO COVERAGE REVEALS THAT THIS SITE IS STILL IN A MID-STAGE OF CONSTRUCTION. THE BUNKER IS NOT YET EARTH COVERED.

25X1D

SARY-SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

INSTRUMENTATION SITES 4, 5, 6, 7, 8, 9, AND POSSIBLE INSTRUMENTATION SITE 14 ARE THE ONLY FACILITIES COVERED. HEAVY SNOW COVER PERMITS IDENTIFICATION ONLY OF ALL OF THESE SITES EXCEPT SITE 14. NO APPARENT CHANGE IN THE SUPPORT AREA AT POSSIBLE INSTRUMENTATION SITE 14 SINCE MISSION [REDACTED]

25X1D

THE INTERFEROMETER AND THE ENE/WSW PREPARED 7,000 FT EARTH LANDING STRIP ARE BARELY DISCERNIBLE THROUGH THE SNOW. A NEW LANDING STRIP, NOT EVIDENT ON MISSION [REDACTED] IS APPROXIMATELY 4,000 FT LONG, ORIENTED NW/SE. IT IS PARTIALLY CLEARED OF SNOW.

25X1D

PHOTOGRAPHIC REFERENCES FOR FACILITIES COVERED --

25X1D

25X1A

SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA) : 4107N 10020E

ONLY SSM LAUNCH COMPLEXES A (SITE 1), B (SITE 2),
C (SITE 3), SAM R & D LAUNCH COMPLEX, AND TERMINUS OF
RAIL LINE INTO DESERT COVERED.

NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

PHOTOGRAPHIC REFERENCE FOR SAM LAUNCH R & D COMPLEX --

25X1D

SHUANG-CHENG-TZU 150 NM IMPACT AREA (CHINA) : 4026N 09635E

APPROXIMATELY 70 PERCENT OF SEARCH AREA OBSERVED.
NO IMPACT AREAS, INSTRUMENTATION, COMMUNICATIONS,
SUPPORT AREAS, AIRFIELDS, OR NEW ROADS LEADING INTO
NEW AREA OBSERVED.

25X1D

DNEPROPETROVSK MISSILE DEVELOP PROD CENTER 4826N 03459E

25X1D

ONLY MINOR CHANGES HAVE BEEN OBSERVED SINCE MISSION
[REDACTED] DEEP AND MASSIVE FOUNDATIONS, FIRST
OBSERVED ON MISSION [REDACTED] IN AN EXCAVATION
IN THE CENTER OF THE SOUTH PORTION OF THE PLANT HAVE
BEEN ENLARGED. IN THE TEST AREA, ONLY ONE TEST STAND
SHOWS A CURRENT BLAST SCAR. VISIBLE BUT NOT REPORTED
ON MISSION [REDACTED] IS A 2,800 BY 900 FT
ENLARGEMENT OF THE FENCED AREA ON THE NORTHWEST SIDE
OF THE TEST AREA. ONE NEW BUILDING IS VISIBLE WITHIN
THIS AREA. NO MISSILE HANDLING EQUIPMENT OBSERVED
WITHIN THE CENTER.

25X1D

25X1D

(ATTACHMENT 8)

25X1D

25X1A

KURUMOCH ROCKET ENGINE TEST FACILITY 5331N 04949E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]
[REDACTED] A LARGE BLAST MARK IS VISIBLE AT TEST
STAND 1 AND ANOTHER AT ONE OF THE SMALLER STANDS.

25X1D

25X1D

THESE BLAST MARKS INDICATE THAT TESTING HAS CONTINUED SINCE MISSION [REDACTED]

(ATTACHMENT 9)

25X1D

25X1A

[REDACTED]

PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172 5802N 05617E
IDENTIFICATION ONLY.

25X1D

[REDACTED]

KRASNOYARSK STATIC TEST STAND 5605N 09327E

THE TEST STAND IS CLEARLY VISIBLE ON THE BEST QUALITY PHOTOGRAPHY TO DATE. RECENT TEST ACTIVITY IS SUGGESTED BY THE DARK TONE OF THE FLAME DEFLECTOR AT THE BASE OF THE TEST STAND. AN EXCAVATION IS VISIBLE AT THE HEAD OF THE RAVINE NORTH OF THE TEST STAND AND INDICATES CONSTRUCTION ACTIVITY. CONSTRUCTION ACTIVITY WAS ALSO OBSERVED AT THE BASE OF THE RAVINE. FIVE PREVIOUSLY UNDETECTED OBJECTS WHICH APPEAR TO BE TANKS OBSERVED IN THE TANK FARM AREA SE OF THE TEST STAND.

(ATTACHMENT 10)

25X1D

[REDACTED]

OMSK STATIC TEST FACILITY 5527N 07322E

BLAST MARK VISIBLE AT COMPLETED TEST STAND. CONSTRUCTION CONTINUES AT A SECOND TEST STAND WITH PILES OF BUILDING MATERIALS VISIBLE AROUND IT. NO OTHER CHANGE SINCE MISSION [REDACTED]

25X1D

(ATTACHMENT 11)

25X1D

TOP SECRET CHESS RUFF

NPIC/R-156/64

25X1A

KUTAISI MOTOR VEHICLE PLANT 4216N 04237E

3.5 NM WEST OF THE CENTER OF KUTAISI.

PLANT CONSISTS OF 4 ASSEMBLY BUILDINGS WITH THE FOLLOWING APPROXIMATE DIMENSIONS -- 1,100 X 400 FT, 500 X 300 FT, 500 X 350 FT, AND 500 X 400 FT, AND 6 MAJOR SHOP/SUPPORT BUILDINGS, A LARGE STEAM PLANT AND SEVERAL SMALLER BUILDINGS.

NO MISSILE ENGINE TEST STANDS IDENTIFIED IN PLANT AREA.

25X1D

UFA PROBABLE STATIC TEST STAND 5459N 05604E

NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

BIYSK PROB STATIC TEST FACILITY 5229N 08507E

NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

STRZEBIELINO SUSPECT SAM AREA (POLAND) 5435N 01800E

THREE COMPLETED SA-2 SAM SITES HAVE BEEN NEWLY IDENTIFIED IN THE AREA -- ONE NEAR GDANSK AT 54-41-45N 018-25-00E, ONE NEAR GDYNIA AT 54-37-00N 018-48-40E, AND ONE NEAR GDANSK AT 54-21-20N 018-49-00E. NO OTHER SAM ACTIVITY OBSERVED IN CLOUD-FREE AREAS. SEARCH AREA IS APPROXIMATELY 70 PERCENT CLOUD COVERED.

25X1D

KOMSOMOLSK SHIPYARD AMUR 199 5033N 13702E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION
AN EMPTY SUBMARINE TRANSPORTER IS LOCATED AT FITTING-OUT PIER. NO NEW SUBMARINE BASES ALONG 50-NM STRETCH OF COAST.

25X1D

25X1D

TOP SECRET CHESS RUFF

HARBOR FROZEN.

VESSELS -- ONE BEACHED MERCHANT VESSEL LOCATED NW OF FITTING-OUT BASIN AND 4 MISCELLANEOUS VESSELS IN HARBOR.

25X1D

25X1A

PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE 5255N 15830E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] AT SUBMARINE BASE AND NAVAL WEAPONS AREA.

TARYA BAY IS FROZEN, BUT ICE-BREAKER CHANNELS SERVE ALL AREAS.

VESSELS -- FIVE SUBMARINES WITH APPROXIMATE OVERALL LENGTHS AS FOLLOWS -- TWO 370 FT, ONE 320 FT, ONE 250 FT, AND ONE 295 FT. TWO POSSIBLE 285-FT SUBMARINES, 1 PROBABLE DON ASL, 3 AUXILIARIES AND NUMEROUS SMALLER CRAFT ALSO OBSERVED. TWO SUBMARINES APPROXIMATELY 300 FT LONG ARE AT PETROPAVLOVSK KAMCHATSKIY SHIPYARD 412.

(ATTACHMENT 12 & 13)

25X1D
25X1D

KALININGRAD SUSPECT NAVAL MISSILE STORAGE 5450N 02028E

NO APPARENT CHANGE SINCE MISSION [REDACTED]

STATUS OF CONSTRUCTION CANNOT BE DETERMINED DUE TO TREE COVER AND SNOW.

25X1D

MOSCOW SUSPECT ABM AREA 5545N 03737E

APPROXIMATELY 45 PERCENT OF SEARCH AREA IS COVERED ON CLEAR, SNOW-COVERED PHOTOGRAPHY. NO CHANGES OBSERVED SINCE MISSION [REDACTED]

25X1D

A STUDY OF SA-1 SAM SITES C-24, E-01, 02, 03, AND 27 REVEALED NO SIMILARITY TO SITES E-05, 15, 24, AND 33.

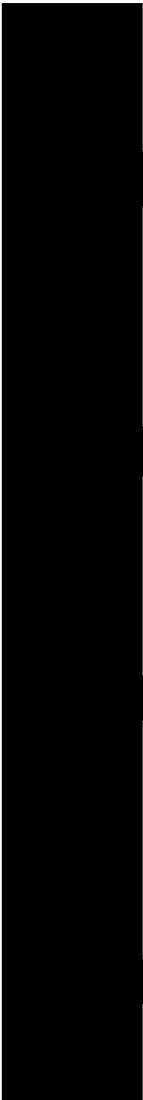
~~TOP SECRET CHESS RUFF~~

NPIC/R-156/64

25X1D



25X1A



KOMSOMOLSK, SUSPECT ABM AREA 5200N 13700E

NO ABM FACILITIES OBSERVED. THE SEARCH AREA IS COVERED BY GENERALLY GOOD PHOTOGRAPHY.

25X1D



MYS SHMIDTA, SUSPECT ABM AREA 6853N 17924W

NO HEN HOUSE, HEN EGG, OR OTHER SARY-SHAGAN-TYPE RADARS OBSERVED IN SEARCH AREA ON GENERALLY GOOD-QUALITY CLEAR PHOTOGRAPHY.

25X1D



KHATANGA, SUSPECT ABM AREA 7159N 10230E

NO AMM-ASSOCIATED ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF KHATANGA.

25X1D



ASTRAKHAN POSSIBLE ABM RADAR 4620N 04801E

SEARCH AREA APPROXIMATELY 80 PERCENT CLOUD COVERED. NO ABM-ASSOCIATED FACILITIES OBSERVED IN CLOUD-FREE AREAS.

25X1D



MOSCOW SAM SITE E24-1 5521N 03629E

ADDITIONAL DETAILS OBSERVED SINCE MISSION [REDACTED] [REDACTED] INCLUDE A PROBABLE SECURITY FENCE EXTENDING NW/SE ACROSS THE HERRINGBONE, SEPARATING THE POSSIBLE AMM FACILITIES FROM THE REMAINDER OF THE SITE. A TOWER-LIKE OBJECT IS OBSERVED ON THE SE EDGE OF THE RECTANGULAR BUILDING. A POSSIBLE CONDUIT OR PASSAGEWAY EXTENDS FROM THE RECTANGULAR BUILDING TO THE

25X1D

25X1D

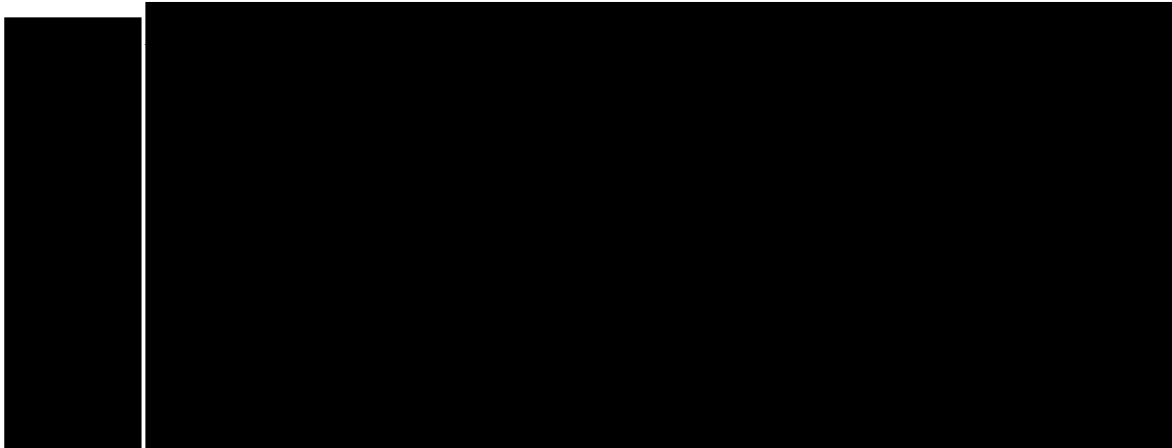
~~TOP SECRET CHESS RUFF~~

UNIDENTIFIED STRUCTURE OPPOSITE THE TWO 100 X 100 FT BUILDINGS.

25X1D



25X1A



25X1D

POTI PROBABLE CRUISE MISSILE LAUNCH SITE 4210N 04139E
IDENTIFICATION ONLY.

25X1D



MISSILE BONUS 1. MOSCOW, SUSP AMM PHASED-ARRAY RADAR 5529N 03641E

A SUSPECT AMM PHASED-ARRAY RADAR UNDER CONSTRUCTION HAS BEEN IDENTIFIED AT 55-29-50N 036-41-10E 35 NM WSW OF MOSCOW AND APPROXIMATELY 7 NM NNW OF NARO-FOMINSK.

25X1D

THE INSTALLATION, WHICH IS FENCED AND ROAD-SERVED, CONSISTS OF AN INVERTED V-SHAPED STRUCTURE ORIENTED [REDACTED] AND MEASURING APPROXIMATELY 330 FT HIGH, 305 FT LONG, 390 FT WIDE AT THE BASE TAPERING TO 95 FT AT THE TOP. THE NNW FACE OF THE STRUCTURE APPEARS TO BE DIVIDED INTO A STACK OF 6 HORIZONTAL, LIGHT-COLORED SECTIONS APPROXIMATELY 300 X 50 FT. THIS FACE IS LIGHT-COLORED EVEN IN SHADOW. THE SSE FACE APPEARS TO BE DIVIDED INTO 3 MAJOR HORIZONTAL SECTIONS. IN SUNLIGHT IT APPEARS DARK. IF BOTH FACES ARE INTENDED TO SUPPORT ANTENNA ELEMENTS SUCH AS THAT SEEN AT THE HEN HOUSE, SARY-SHAGAN ANTIMISSILE TEST CENTER, IT MUST BE ASSUMED THAT THE NNW FACE IS COMPLETE OR SNOW COVERED AND THAT THE SSW FACE HAS NO ANTENNA ELEMENTS

NPIC/R-156/64

AT PRESENT. POSSIBLE SCAFFOLDING IS PRESENT AT BOTH ENDS OF THE STRUCTURE. END WALLS ARE NOT PRESENT.

ADJACENT TO THE V-SHAPED STRUCTURE IS A RECTANGULAR FLAT-ROOFED BUILDING APPROXIMATELY 515 X 180 X 50 FT HIGH WITH AN ANNEX 95 X 65 FT ON THE NW EDGE OF THE BUILDING. LOCATED APPROXIMATELY 6,700 FT SW IS A SECOND BUILDING OF SIMILAR DIMENSIONS AND CONFIGURATION UNDER CONSTRUCTION. A SUPPORT AREA ON THE NORTH SIDE OF THE ROAD CONNECTING THE 2 BUILDINGS CONTAINS APPROXIMATELY 26 BUILDINGS.

25X1D

A REVIEW OF PREVIOUS PHOTOGRAPHY INDICATES THAT THE INSTALLATION WAS NOT PRESENT IN [REDACTED] SITE PREPARATION IS FIRST EVIDENT IN [REDACTED] THE RECTANGULAR BUILDING WAS UNDER CONSTRUCTION IN [REDACTED] THE V-SHAPED STRUCTURE WAS NOT EVIDENT ON [REDACTED] PHOTOGRAPHY.

25X1D

25X1D

(ATTACHMENT 15)

25X1D

25X1A

25X1D

MISSILE BONUS 2. THE FOLLOWING SAM SITES IN ADDITION TO THOSE UNDER COMOR [REDACTED] HAVE BEEN IDENTIFIED THUS FAR ON MISSION [REDACTED]

KUTAISI SAM SITE

13.2 NM ESE OF KUTAISI AT 42-12-30N 042-59-10E.
NEWLY IDENTIFIED COMPLETED LINK-TYPE SA-2 SAM SITE.

USATC SERIES 200, SHEET 0324-15 HL, 3D ED, MAY 63.

25X1D

NOVO-KUZNETSK SAM SITE

15 NM NNW OF NOVO-KUZNETSK AT 53-58-40N 086-57-40E.
NEWLY IDENTIFIED PROBABLE SA-2 SAM SITE UNDER CONSTRUCTION APPROXIMATELY 2,000 FT SW OF NOVO-KUZNETSK SA-2 SAM SITE B-34.

USATC SERIES 200, SHEET 0161-12A, 1ST ED, JUL 59.

25X1D

NPIC/R-156/64

PETROPAVLOVSK-KAMCHATSKIY SAM SITE

7 NM SE OF PETROPAVLOVSK-KAMCHATSKIY AT 52-55-10N
158-45-20E. COMPLETED SA-3 SAM SITE. CONFIGURATION
CAN NOT BE DETERMINED DUE TO SNOW.

USATC SERIES 200, SHEET 0194-17A, 2D ED, JUN 58.

25X1D

PETROPAVLOVSK-KAMCHATSKIY SAM SITE

8.5 NM SSW OF PETROPAVLOVSK-KAMCHATSKIY AT 52-55-15N
158-30-10E. NEWLY IDENTIFIED PROBABLE COMPLETED SA-3
SAM SITE. CONFIGURATION CAN NOT BE DETERMINED DUE TO
SNOW.

USATC SERIES 200, SHEET 0194-17A, 2D ED, JUN 58.

25X1D

KOMSOMOLSK SAM SITE

20 NM SSE OF KOMSOMOLSK AT 50-24-00N 137-26-50E.
NEWLY IDENTIFIED CONFIRMED SA-2 SAM SITE IN LATE
STAGES OF CONSTRUCTION.

USATC SERIES 200, SHEET 0204-8HL, 2D ED, FEB 62.

25X1D

PYONGYANG SAM SITE (NORTH KOREA)

18.7 NM SW OF PYONGYANG AT 38-48-00N 125-27-50E.
NEWLY IDENTIFIED COMPLETED LINK-TYPE SA-2 SAM SITE.

USATC SERIES 200, SHEET 0380-7AL, 2D ED, OCT 62

25X1D

25X1A

AIR FACILITIES

██████████ UKRAINA AIRFIELD 5110N 12826E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION ██████████

25X1D

25X1D

NPIC/R-156/64

AIRCRAFT -- 47 BISON (6 ON LOADING STANDS, 11 ON HARDSTANDS AT NE END OF AIRFIELD, 15 ON APRON AT SE END OF AIRFIELD AND 15 ON HARDSTANDS ALONG WEST SIDE OF RUNWAY), ONE BEAR ON CROSSOVER TAXI LINK, 8 PROBABLE BADGER ON HARDSTANDS ON WEST SIDE OF RUNWAY AND 4 MEDIUM STRAIGHT-WING ON HARDSTANDS ON WEST SIDE OF AIRFIELD.

25X1D

[REDACTED]

25X1A

BARANOVICHI AIRFIELD 5306N 02603E

AIRCRAFT -- 7 POSSIBLE BLINDER, 14 BADGER, 9 UNIDENTIFIED MEDIUM SWEEP-WING AND APPROXIMATELY 38 POSSIBLE SWEEP-WING FIGHTERS.

[REDACTED]

25X1D

SPASSK-DALNIY AIRFIELD EAST 4437N 13253E

AIRCRAFT -- 31 PROBABLE BADGERS, ONE POSSIBLE UNIDENTIFIED STRAIGHT-WING, AND 9 POSSIBLE UNIDENTIFIED FIGHTER-TYPE.

[REDACTED]

25X1D

BYKHOV AIRFIELD 5331N 03012E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] RUNWAY CLEAR OF SNOW.

25X1D

AIRCRAFT -- 72 PROBABLE BADGER AND 2 MEDIUM STRAIGHT-WING.

(ATTACHMENT 16)

[REDACTED]

25X1D

KALININGRAD/PROVEREN AIRFIELD 5446N 02025E

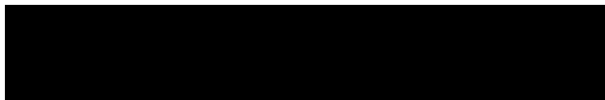
AIRCRAFT -- 20 POSSIBLE UNIDENTIFIED AIRCRAFT ON PARKING APRONS.

POOR QUALITY OF PHOTOGRAPHY PRECLUDES INTERPRETATION

NPIC/R-156/64

OF FACILITIES.

25X1D



25X1A

MELITOPOL AIRFIELD 4653N 03518E

AIRCRAFT -- AT LEAST 4 UNIDENTIFIED AIRCRAFT ON LOOP TAXIWAY.



25X1D

USSURIYSK/VOZDVIZHENKA AIRFIELD 4355N 13156E

NO APPARENT CHANGE SINCE MISSION [REDACTED]
AIRCRAFT -- AT LEAST 10 UNIDENTIFIED AIRCRAFT.

25X1D



25X1D

KHOROL AIRFIELD EAST 4427N 13208E

AIRCRAFT -- 38 UNIDENTIFIED MEDIUM SWEEP-WING ON PARKING APRONS.



25X9



25X1D

OSTROV/GOROKHOVKA AIRFIELD 5718N 02826E

SNOW COVER PRECLUDES IDENTIFICATION OF CONSTRUCTION ACTIVITY. NO APPARENT CHANGE SINCE MISSION [REDACTED]
[REDACTED] IN WEAPONS STORAGE FACILITIES.

25X1D

25X1D

AIRCRAFT -- 27 MEDIUM SWEEP-WING.

25X1D



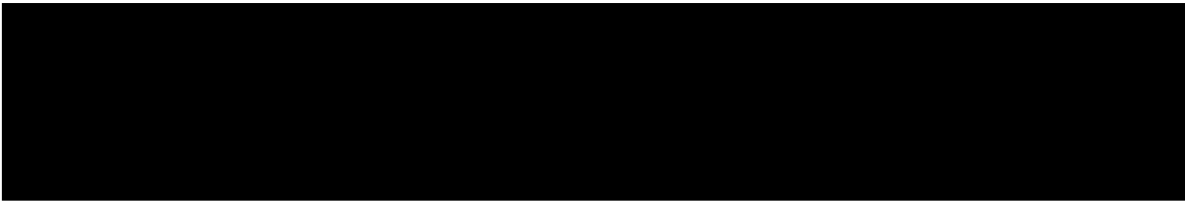
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25X2

Approved For Release 2001/08/21 : CIA-RDP78B04560A002000010001-2

NPIC/R-156/64

25X2



25X1A

NAVAL ACTIVITY/PORTS

MAGADAN PORT FACILITIES NAGAYEVO 5934N 15043E

NO NAVAL ACTIVITY OBSERVED WITHIN 25-NM RADIUS.
PORT FACILITIES ARE OPEN, SHEET ICE ISOLATES
REMAINDER OF HARBOR FROM OPEN WATER. COMMUNICATIONS,
REPAIR AND PORT FACILITIES APPEAR AS ON USATC
SERIES 50, SHEET 0131-4/11A.

VESSELS -- NONE.



25X1D

TALLINN NAVAL BASE & SHIPYARD MORSKOY ZAVOD 5927N 02444E

FACILITIES INCLUDE 6 LARGE BUILDINGS IMMEDIATELY
BEHIND A LONG QUAY AND MANY SMALLER BUILDINGS.
HARBOR FROZEN BUT ICEBREAKER ACTIVITY EVIDENT.
NO EVIDENCE OF MISSILE STORAGE OBSERVED.

VESSELS -- AT LEAST 19 PC/PT AND ONE ESCORT VESSEL IN
MAIN BASIN AND MANY UNIDENTIFIED SMALL CRAFT IN
SMALLER BASIN TO NW.



25X1D

GDYNIA NAVAL BASE OKSYWIE (POLAND) 5432N 01833E

NO SUBMARINE BUILDING OR LOGISTIC FACILITIES
OBSERVED.

VESSELS -- ONE POSSIBLE 250-FOOT SUBMARINE, ONE
POSSIBLE 300-FOOT DESTROYER, AND ONE UNIDENTIFIED
VESSEL IN WESTERN BASIN.





25X1D

~~TOP SECRET CHESS RUFF~~

NPIC/R-156/64

25X1A

 BATUMI NAVAL BASE & SHIPYARD DZERZHINSKIY 4139N 04138E
IDENTIFICATION ONLY.


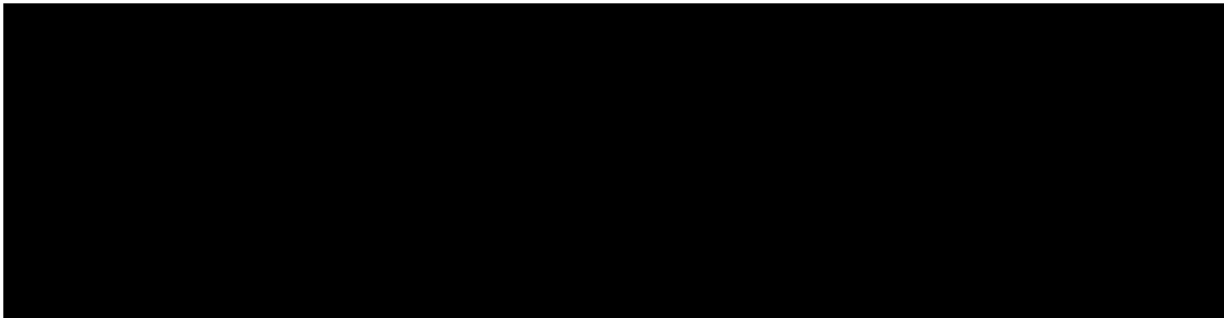
25X1D

25X2

~~TOP SECRET CHESS RUFF~~

NPIC/R-156/64

25X2



25X1A

ELECTRONICS/COMMUNICATIONS

BARANOVKA, SUSPECT ELECTRONICS FACILITY 4648N 13721E
NO ELECTRONICS FACILITIES OBSERVED WITHIN 50-NM
RADIUS OF BARANOVKA.

SAMODED, SUSPECT COMMUNICATIONS FACILITY 6336N 04028E
SEARCH AREA 50 PERCENT CLOUD COVERED.

RHOMBIC COMMUNICATIONS ANTENNA FARM 14 NM SSE OF
ARCHANGELSK AT 64-18-30N 040-38-00E IS COMPOSED OF
A SECURED AREA CONTAINING APPROXIMATELY 10 RHOMBIC
ANTENNAS, 10 BUILDINGS WITHIN THE FENCED AREA AND
APPROXIMATELY 3 OUTSIDE. FACILITY APPEARS OPERATIONAL
AND ACTIVE.

AN OPERATIONAL AND ACTIVE FISHBONE HF COMMUNICATIONS
RECEIVING SITE COMPOSED OF 10 FISHBONE ANTENNAS,
LARGE CONTROL BUILDING, AND APPROXIMATELY 12 SUPPORT
BUILDINGS OBSERVED IN A FENCED AREA 10 NM SW OF THE
CENTER OF ARCHANGELSK AT 64-20N 040-19E.

PHOTOGRAPHIC REFERENCES FOR FACILITIES COVERED --

YU-MEN, SUSPECT INSTRUMENTATION SITE (CHINA) 4017N 09712E
NO INSTRUMENTATION FACILITIES OBSERVED WITHIN 25-NM

25X1D

25X1D

TOP SECRET CHESS RUFF

NPIC/R-156/64

RADIUS.

25X1D

[REDACTED]

25X1A

LAPICHI COMMUNICATIONS SITE UNDER CONSTRUCTION 5325N 02831E

HIGH FREQUENCY RADIO RELAY AND BROADCASTING FACILITY NEAR LAPICHI APPEARS TO BE OPERATIONAL OR NEARLY OPERATIONAL WITH CONSTRUCTION COMPLETE OR NEARLY COMPLETE.

NO NEW CONSTRUCTION OR ANTENNAS OBSERVED SINCE

25X1D

[REDACTED]

TUN-HUANG AREA, SUSPECT RADAR SITE (CHINA) 4015N 09430E

NO RADAR SITE OBSERVED WITHIN SEARCH AREA.

25X1D

[REDACTED]

SHUANG-CHENG-TZU COMMUNICATIONS SITE (CHINA) 4207N 10103E

SITE IS PRIMARILY AN AGRICULTURAL SETTLEMENT. NO APPARENT CHANGE IN NUMBER OF BUILDINGS SINCE MISSION [REDACTED] COMMUNICATIONS FACILITIES NOT OBSERVED.

25X1D

25X1D

[REDACTED]

OTHER ACTIVITY

BULYZHINO, STORAGE AREA 5615N 02819E

THE SECURED STORAGE AREA WILL EVIDENTLY CONTAIN 6 EARTH-COVERED BUNKERS WHEN COMPLETED. BUNKERS 1 AND 2 HAVE BEEN COMPLETED AND EARTH COVERED. MASSIVE CONCRETE BUILDINGS (BUNKERS 3, 4, AND 5) ARE IN VARIOUS STAGES OF CONSTRUCTION. THE EXCAVATION FOR THE SIXTH BUILDING SHOWS NO CHANGE SINCE MISSION [REDACTED] BUNKER 3, 220 X 90 FT, WITH AN ENTRANCE APPROXIMATELY 30 FT WIDE IS APPARENTLY COMPLETE. IT IS NOT YET EARTH COVERED. BUNKER 4 IS

25X1D

TOP SECRET CHESS RUFF

NPIC/R-156/64

IN A MID-STAGE OF CONSTRUCTION AND NOT YET ROOFED. IT IS L-SHAPED, 225 X 195 FT. ONE BAY, 135 X 120 FT, IS DIVIDED INTO 4 SEGMENTS OF EQUAL WIDTH. BUNKER 5 IS IN A VERY EARLY STAGE OF CONSTRUCTION WITH EXTERIOR WALLS ERECTED. PRESENT SIZE IS [REDACTED] FT.

25X1D

25X1D

THREE PROBABLE [REDACTED]-FT RAIL CARS ARE LOCATED IN THE RAIL FACILITY ON ONE OF THE OPERATIONAL SPURS. A POSSIBLE COVERED 600-FT LONG LOADING DOCK IS PARALLEL TO THE SPUR. THERE ARE NOW 7 COMPLETED BARRACKS IN THE BARRACKS AREA, AND AN EIGHTH BARRACKS IS NEARLY COMPLETED.

THE SITE APPEARS FUNCTIONALLY IDENTICAL TO SITES AT CHAADAYEVKA (53-07N 046-02E), BORISOGLEBSK (51-24N 041-57E), NYANDOMA (61-36N 040-20E), MIKHAYLOVKA (48-50N 032-17E), ZHUKOVKA (53-33N 033-56E), AND RECHITRA (52-27N 030-04E). MANY

25X9

[REDACTED]

(ATTACHMENT 17)

[REDACTED]

25X1D

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AND CONTAINS APPROXIMATELY 60 BUILDINGS.

(ATTACHMENT 18)



25X1D

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1004-2. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1004-2 IN WHICH THE TARGET WAS REPORTED. THE LETTERS NO IN THE OAK COLUMN INDICATE THAT THE TARGET WAS NOT OBSERVED DUE TO THE ADVERSE WEATHER OR OTHER CONDITIONS, AND THE LETTERS NC INDICATE THAT THE TARGET WAS NOT COVERED BY THE PHOTOGRAPHY.

<u>COMOR</u>	<u>INSTALLATION NAME</u>	<u>COORDINATES</u>	<u>OAK</u>
25X1A [REDACTED]	PLESETSK ICBM COMPLEX	6256N 04039E	NO
	YURYA ICBM COMPLEX	5903N 04919E	NC
	VERKHNYAYA SALDA ICBM COMPLEX	5802N 06023E	II
	TYURATAM MISSILE TEST CENTER	4550N 06318E	II
	YOSHKAR-OLA ICBM COMPLEX	5634N 04801E	NO
	SVOBODNYI ICBM COMPLEX	5146N 12807E	I
	DROVYANAYA ICBM COMPLEX	5132N 11301E	II
	KOSTROMA ICBM COMPLEX	5746N 04101E	NO
	ITATKA ICBM COMPLEX	5650N 08536E	II
	SHADRINSK ICBM COMPLEX	5608N 06341E	II
	OMSK ICBM COMPLEX	5503N 07330E	II
	PERM ICBM COMPLEX	5742N 05619E	II
	TEYKOVO ICBM COMPLEX	5652N 04035E	NO
	TYUMEN ICBM COMPLEX	5652N 06553E	II
	YEDROVO ICBM COMPLEX	5751N 03341E	NO
	GLADKAYA ICBM COMPLEX	5605N 09213E	II
	BRATSK, SUSPECT SSM AREA	5605N 10148E	NC
	NOVOSIBIRSK ICBM COMPLEX	5516N 08257E	I
	KOZELSK ICBM COMPLEX	5357N 03548E	II
	OLOVYANNAYA ICBM COMPLEX	5048N 11550E	NC
	KOVLKINO SUSPECT ICBM AREA	5402N 04356E	NO
	MAZANKA MRBM LAUNCH SITE	4454N 03420E	NO
	TALLINN SUSPECT SSM AREA	5924N 02444E	I
	GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E	II
	SLEDYUKI MRBM LAUNCH SITE	5341N 03020E	II
	UZHGOROD MRBM LAUNCH SITE	4833N 02213E	NC
	LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E	I
	SLAVSK MRBM LAUNCH SITE 2	5500N 02129E	NC
	ZNAMENSK MRBM LAUNCH SITE 1	5433N 02111E	II
	GUSEV MRBM LAUNCH SITE 1	5441N 02205E	NC
OVRUCH MRBM LAUNCH SITE 1	5117N 02816E	NO	
KOROSTEN MRBM LAUNCH SITE 1	5051N 02818E	NO	
YELSK MRBM LAUNCH SITE 1	5142N 02912E	NO	

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BALTA MRBM LAUNCH SITE 1	4801N 02933E	II
BORKHOV MRBM LAUNCH SITE 1	5218N 03043E	NO
JONAVA MRBM LAUNCH SITE	5501N 02414E	I
VORU MRBM LAUNCH SITE 2	5749N 02650E	I
VEPRIAI MRBM LAUNCH SITE	5508N 02438E	I
SIMUNA MRBM LAUNCH SITE	5908N 02626E	I
GRESK MRBM LAUNCH SITE 1	5314N 02742E	II
YEREVAN SUSPECT MRBM AREA	4011N 04430E	I
TAPA SUSPECT MISSILE AREA	5916N 02558E	II
RAGNIT MRBM LAUNCH SITE	5501N 02211E	NC
LIDA MRBM LAUNCH SITE 1	5347N 02521E	II
VSELYUB MRBM LAUNCH SITE 1	5346N 02543E	II
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
KARA-BABAU IRBM LAUNCH SITE 2	4431N 07758E	NC
AKHTYRKA MRBM LAUNCH SITE 1	5015N 03450E	NC
ZHITOMIR MRBM LAUNCH SITE 1	5004N 02816E	NO
LIPNIKI MRBM LAUNCH SITE	5112N 02826E	NO
PETRIKOV MRBM LAUNCH SITE	5210N 02834E	NO
PETROVSKIY IRBM LAUNCH SITE	5000N 05658E	NO
KUSHKA, SUSPECT SSM AREA	3516N 06224E	II
BAYRAM ALI IRBM LAUNCH SITE	3746N 06212E	II
KOZHANOVICHI MRBM LAUNCH SITE 1	5210N 02751E	NO
BERDICHEV MRBM LAUNCH SITE	5005N 02822E	NO
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13343E	II
UGOLNYY MRBM LAUNCH SITE	6446N 17758E	NC
URECHYE MRBM LAUNCH SITE	5311N 02758E	II
KURDZHIPSKAYA MRBM LAUNCH SITE	4431N 04000E	NO
SAKI, SUSPECT SSM AREA	4507N 03336E	NO
TAYBOLA IRBM LAUNCH SITE 1	6828N 03315E	NO
SKRUNDA IRBM LAUNCH SITE	5635N 02149E	II
KARAKHOBDA IRBM LAUNCH SITE	4957N 05651E	NO
GRANOV IRBM LAUNCH SITE 2	4849N 02929E	II
SMORGON IRBM LAUNCH SITE 2	5426N 02618E	II
TAYBOLA IRBM LAUNCH SITE 2	6830N 03323E	NO
GURLEVD MRBM LAUNCH SITE	5925N 02852E	NO
OTYNYA MRBM LAUNCH SITE	4847N 02450E	NC
RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	5104N 02807E	NO
SOKAL MRBM LAUNCH SITE 3	5020N 02426E	NC
LIELELEJA MRBM LAUNCH SITE	5624N 02336E	II
IECAVA MRBM LAUNCH SITE	5633N 02420E	II
JABAL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT)	3007N 03037E	II
REDKIND MRBM LAUNCH SITE	5724N 02826E	II
TYM MRBM LAUNCH SITE	3939N 06542E	NC
TAYBOLA IRBM LAUNCH SITE 3	6825N 03329E	NO

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NOVOSYSOYEVKA IRBM LAUNCH SITE 2	4407N 13327E	I
SHIRVANSKAYA MRBM LAUNCH SITE	4425N 03954E	NO
TSIRGULIINA MRBM LAUNCH SITE	5749N 02612E	I
SEMOVKA IRBM LAUNCH SITE 2	4753N 03057E	II
VAINODE IRBM LAUNCH SITE	5628N 02150E	II
GELLI IRBM LAUNCH SITE	4245N 04728E	II
PARAUL IRBM LAUNCH SITE	4247N 04723E	II
KAKASHURA IRBM LAUNCH SITE	4239N 04727E	II
KISHENTSY MRBM LAUNCH SITE	4900N 03013E	II
KALNIK IRBM LAUNCH SITE	4859N 02922E	II
BIKIN, SUSPECT MRBM/IRBM AREA	4649N 13416E	II
NOVOSYSOYEVKA IRBM LAUNCH SITE	4407N 13325E	II
KARA-BABAU IRBM LAUNCH SITE 3	4431N 07743E	NC
LEJASCIEMS MRBM LAUNCH SITE 2	5713N 02633E	II
ACHKHODY-MARTAN MRBM LAUNCH SITE	4310N 04511E	NC
ANASTASYEVKA PROB ALTERNATE MRBM LAUNCH SITE	4832N 13531E	NC
KHMELNITSKIY FIXED FIELD TYPE LAUNCH SITE	4925N 02706E	NO
YARMOLINTSY FIXED FIELD TYPE LAUNCH SITE	4912N 02646E	NO
POSTAVY MRBM LAUNCH SITE	5506N 02700E	II
SOVETSKAYA GAVAN POSSIBLE MRBM LAUNCH SITE	4904N 14007E	NC
KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N 04545E	NO
UKA/PESCHANYY MISSILE TRACKING STATION	5756N 16201E	I
SARY-SHAGAN ANTIMISSILE TEST CENTER	4602N 07334E	II
MAKAT PROBABLE FIELD LAUNCH POINT (MRBM)	4758N 05342E	NO
SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)	4107N 10020E	II
WU-WEI SUSPECT GM ACTIVITY (CHINA)	3758N 10253E	NC
EMBA MISSILE-ASSOCIATED INSTALLATION	4835N 05804E	NO
COLOMB-BECHAR MISSILE TEST RANGE (ALGERIA)	3139N 00216W	NC
HAMMAGUIR MISSILE TEST AREA (ALGERIA)	3050N 00305W	NC
MENOUARAR MISSILE TEST RANGE (ALGERIA)	3110N 00216W	NC
SHUANG-CHENG-TZU 150 NM IMPACT AREA (CHINA)	4026N 09635E	II
SHUANG-CHENG-TZU 350 NM IMPACT AREA (CHINA)	4024N 09225E	NC
SHUANG-CHENG-TZU 650 NM IMPACT AREA (CHINA)	4041N 08600E	NC
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N 03459E	II
ZAGORSK ROCKET ENG TEST FACILITY KRASNOZAVODSK	5627N 03812E	I
KURUMOCH ROCKET ENGINE TEST FACILITY	5331N 04949E	II
PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172	5802N 05617E	II
KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	5602N 09303E	I
KRASNOYARSK STATIC TEST STAND	5605N 09327E	II
KUYBYSHEV AIRFRAME PLANT STALIN 1	5313N 05018E	I
OMSK STATIC TEST FACILITY	5527N 07322E	II
KHARKOV AREA MISSILE PROD SEARCH	4959N 03614E	NC
VORONEZH STATIC TEST FACILITY	5134N 03908E	NC
RYBINSK AIRCRAFT ENGINE PLANT 36	5803N 03849E	I
KUTAIISI MOTOR VEHICLE PLANT	4216N 04237E	II
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN (CH)	3950N 11608E	NC
SARATOV AIRFRAME PLANT 292	5130N 04557E	NO
TBILISI AIRFRAME PLANT 31	4140N 04452E	NC

TOP SECRET CHESS RUFF

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VOLGOGRAD SUSPECT ROCKET ENGINE PLANT	4845N 04430E	NO
HSI-AN AIRFRAME PLANT YEN-LIANG AF (CHINA)	3439N 10915E	NC
ORENBURG AIRFRAME PLANT 47	5147N 05507E	NO
KUBYSHEV AIRFRAME PLANT LENIN 18	5313N 05019E	I
STERLITAMAK AREA, PROB STAT TEST FACILITY	5344N 05558E	NC
UFA PROBABLE STATIC TEST STAND	5459N 05604E	II
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N 05615E	NO
BIYSK PROB STATIC TEST FACILITY	5229N 08507E	II
PERM PROBABLE STATIC TEST FACILITY	5758N 05549E	NO
KAMENSK-SHAKHTINSKIY PROB STATIC TEST FACILITY	4819N 04016E	NC

NOVE MESTO POD SMRKEM MSL AREA (CZECH)	5056N 01515E	NC
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OZERNYY, SSM SEARCH	6624N 17906W	NC
NONGKODJADJAR AREA, SUSPECT MISSILE SITE (ID)	0754S 11237E	NC
USTKA SUSPECT SAM AREA (POLAND)	5430N 01655E	NC
KOSZALIM SUSPECT SAM AREA (POLAND)	5410N 01618E	NC
STRZEBIELINO SUSPECT SAM AREA (POLAND)	5435N 01800E	II
OLSZTYN SUSPECT SAM AREA (POLAND)	5347N 02029E	I
PISZ SUSPECT SAM AREA (POLAND)	5337N 02140E	I
DOPIEWO SUSPECT SAM AREA (POLAND)	5220N 01640E	NC
BIEDRUSKO SUSPECT SAM AREA (POLAND)	5233N 01657E	NC
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	6434N 03949E	I
SEVEROMORSK SUSPECT NAVAL MISSILE STORAGE	6906N 03328E	NC
KOMSOMOLSK SHIPYARD AMUR 199	5033N 13702E	II
SAYDA GUBA SUBMARINE BASE	6915N 03321E	NC
BALTIYSK NAVAL BASE	5439N 01955E	NO
OLENYA GUBA SUBMARINE BASE	6913N 03323E	NC
POLYARNYY NAVAL BASE	6912N 03328E	NC
LITSA BAY SUBMARINE BASE	6926N 03224E	NC
YOKANGA NAVAL BASE AND SHIP REPAIR YARD	6804N 03932E	NC
PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE	5255N 15830E	II
VLADIMIR SUBMARINE BASE	4355N 13528E	I
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	4306N 13156E	NC
KALININGRAD SUSPECT NAVAL MISSILE STORAGE	5450N 02028E	II
URA GUBA NAVAL BASE	6920N 03249E	NC
PALA GUBA NAVAL BASE AND SHIP REPAIR YARD	6912N 03326E	NC
PETROVKA SHIPYARD	4307N 13220E	I
STRELOK STRAIT NAVAL BASE ANNA	4252N 13232E	I
ABREK BAY NAVAL MISSILE SUPPORT FACILITY	4255N 13225E	I
DUNAY PROBABLE NAVAL MISSILE STORAGE	4256N 13220E	I
SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263	4858N 14017E	NC
SVYAT0Y NOS MYS POSS NAVAL MSL SUPPORT BASE	6810N 03945E	NC
MOSCOW SUSPECT ABM AREA	5545N 03737E	II
LENINGRAD PROBABLE AMM AREA	5955N 03020E	NO
ANTIPINSKOYE SAM ACTIVITY	5254N 11332E	I
KOMSOMOLSK, SUSPECT ABM AREA	5200N 13700E	II
BRATSK, SUSPECT ABM AREA	5654N 10030E	NC

~~TOP SECRET CHESS RUFF~~

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CHOKURDAKH, SUSPECT ABM AREA	7037N	14753E	NC
MYS SHMIDTA, SUSPECT ABM AREA	6853N	17924W	II
KHATANGA, SUSPECT ABM AREA	7159N	10230E	II
KIGILYAKH, SUSPECT ABM AREA	7325N	13959E	NC
TAPA EARLY WARNING RADAR SITE	5919N	02600E	I
AMDERMA SUSPECT ABM RADAR	6943N	06145E	NC
KOSISTY SUSPECT ABM RADAR	7337N	10945E	NO
ASTRAKHAN POSSIBLE ABM RADAR	4620N	04801E	II
DIKSON, POSSIBLE ABM RADAR	7331N	08022E	NO
SORTAVALA AREA, EARLY-WARNING RADAR SITE	6153N	03027E	NC
MOSCOW SAM SITE E05-1	5614N	03835E	NO
MOSCOW SAM SITE E33-1	5620N	03648E	NC
MOSCOW SAM SITE E24-1	5521N	03629E	II
MOSCOW SAM SITE E15-1	5509N	03822E	NC
KALIDJATI SAM TRAINING CENTER (INDONESIA)	0632S	10739E	NC
KALIDJATI AIRFIELD (INDONESIA)	0633S	10740E	NC
DAHSHUR SAM TRAINING AREA (EGYPT)	2948N	03111E	I
JOHVI, SUSP SAM SITE (UNIDENTIFIED NEW TYPE)	5922N	02721E	NO
VESKITAGUSE, UNIDENTIFIED SITE	5850N	02647E	II
AS SUWAYS SAM SITE B15-2 (EGYPT)	2948N	03241E	NC
BUR SAID SUSPECT SAM AREA (EGYPT)	3116N	03218E	NC
DUMYAT (DAMIETTA) SUSPECT SAM AREA (EGYPT)	3125N	03148E	I
NARVA, SUSP SAM SITE (UNIDENTIFIED NEW TYPE)	5930N	02824E	NO
AS SUWAYS SAM SITE (EGYPT)	2943N	03220E	NC
POTI PROBABLE CRUISE MISSILE LAUNCH SITE 1	4210N	04139E	II
ARKHANGELSK POSSIBLE ASM SUPPORT FACILITY	6421N	04043E	I

CHEPELEVKA AIRFIELD	4947N	03026E	NO
DOLON AIRFIELD	5032N	07912E	I
ENGELS AIRFIELD	5129N	04611E	NC
SIAULIAI AIRFIELD	5553N	02323E	I
UKRAINA AIRFIELD	5110N	12826E	II
BORZYA AIRFIELD NORTHWEST	5024N	11623E	NC
BARANOVICHI AIRFIELD	5306N	02603E	II
MINSK/MACHULISHCHE AIRFIELD	5347N	02734E	I
OLENEGORSK AIRFIELD	6809N	03327E	NO
SPASSK-DALNIY AIRFIELD EAST	4437N	13253E	II
STRYY AIRFIELD	4914N	02348E	NC
SREDNIY AIRFIELD	7930N	09110E	NC
NORILSK AIRFIELD	6919N	08756E	NO
GOFMANA AIRFIELD	8116N	06015E	NC
NAGURSKAYA AIRFIELD	8047N	04733E	NC
BELAYA AIRFIELD	5254N	10335E	NC
BYKHOV AIRFIELD	5331N	03012E	II
MOZDOK AIRFIELD	4347N	04436E	NO
PITU AIRFIELD (INDONESIA)	0203N	12818E	NC
KALININGRAD/PROVEREN AIRFIELD	5446N	02025E	II
PRILUKI AIRFIELD	5034N	03219E	NO

25X6

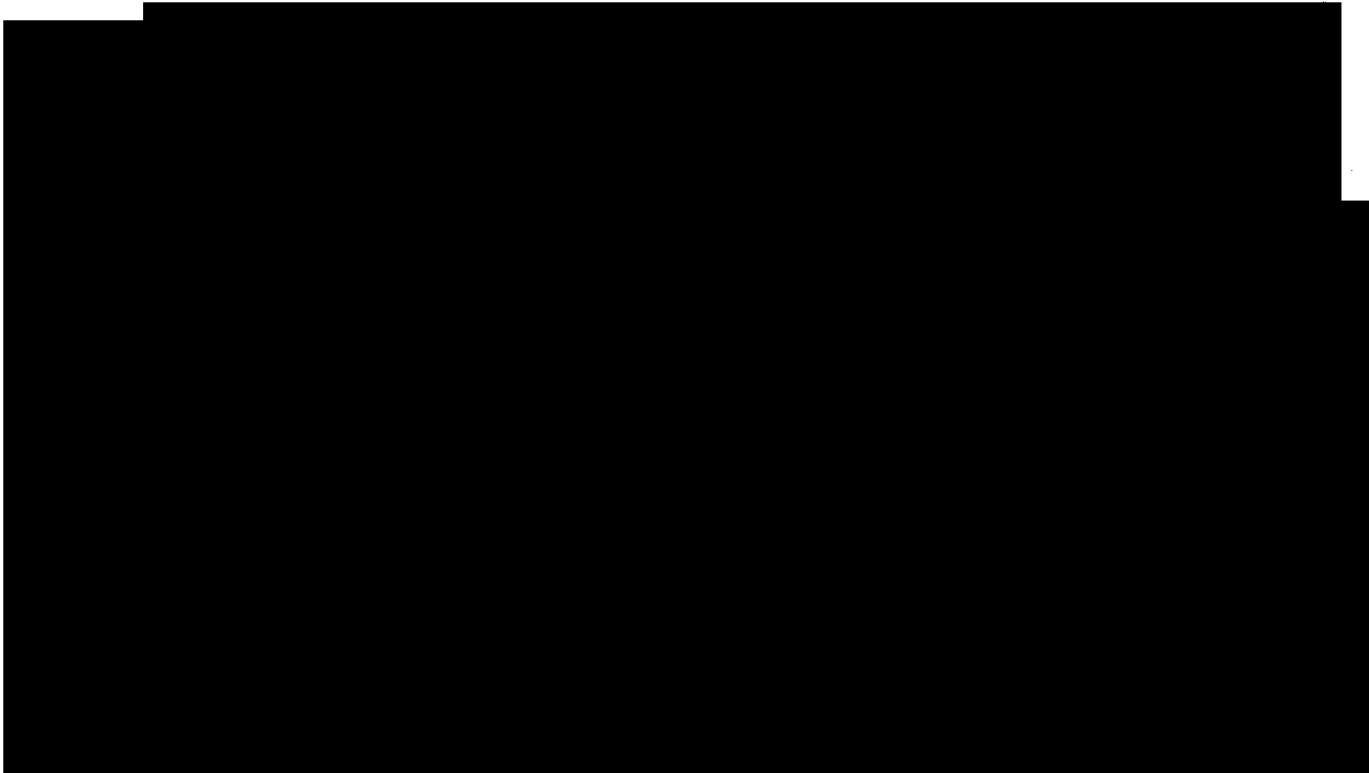
~~TOP SECRET CHESS RUFF~~

25X1A

POLTAVA AIRFIELD	4937N 03430E	NO
ORSHA AIRFIELD SOUTHWEST	5426N 03018E	I
BELAYA TSERKOV AIRFIELD	4947N 03001E	NO
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E	NO
ZHITOMIR/SKOMOROKHI AIRFIELD	5010N 02844E	NC
NEZHIN AIRFIELD	5105N 03152E	NO
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E	I
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E	NO
BOBRUYSK AIRFIELD	5306N 02912E	NO
ANADYR/LENINKA AIRFIELD	6442N 17742E	NC
ALEKSEYEVKA AIRFIELD	4915N 14014E	NC
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	7057N 17936W	NO
MELITOPOL AIRFIELD	4653N 03518E	II
MIRGOROD AIRFIELD	4956N 03339E	NO
USSURIYSK/VOZDVIZHENKA AIRFIELD	4355N 13156E	II
KHOROL AIRFIELD EAST	4427N 13208E	II
ARTEM AIRFIELD NORTH	4323N 13209E	I
OSTROV/GOROKHOVKA AIRFIELD	5718N 02826E	II
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	5535N 03807E	NC
KERCH/BAGEROVO AIRFIELD	4524N 03616E	NO
KU-CHENG AIRFIELD (CHINA)	3730N 11606E	NC
WU-KUNG AIRFIELD (CHINA)	3417N 10815E	NC
NAGCHHU DZONG AIRFIELD (TIBET)	3133N 09143E	NC
LHASA AIRFIELD (TIBET)	3030N 09107E	NC
SEMLAK AIRFIELD (INDONESIA)	0632S 10645E	NC
MIRAN AIRFIELD (CHINA)	3917N 08845E	NO
ASTRAKHAN AIRFIELD NORTHWEST	4625N 04755E	NO

25X2

25X1A



25X2

25X6

25X2

PECHENGA NAVAL BASE LINAKHAMARI	6939N 03122E	I
ODESSA SHIPYARD MARTI NAVAL BASE	4629N 03044E	NC
MAGADAN PORT FACILITIES NAGAYEVO	5934N 15043E	II
TALLINN NAVAL BASE & SHIPYARD MORSKOY ZAVOD	5927N 02444E	II
FEODOSIYA NAVAL BASE AND SHIP REPAIR YARD	4501N 03524E	NO
KLAIPEDA NAVAL BASE & SHIPYARD	5542N 02108E	NC
GDYNIA NAVAL BASE OKSYWIE (POLAND)	5432N 01833E	II
NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445	4659N 03201E	NC
NIKOLAYEV SHIPYARD NOSENKO 444	4657N 03159E	NC
BATUMI NAVAL BASE & SHIPYARD DZERZHINSKIY	4139N 04138E	II
NOVOROSIYSK NAVAL BASE	4443N 03746E	NC

25X2

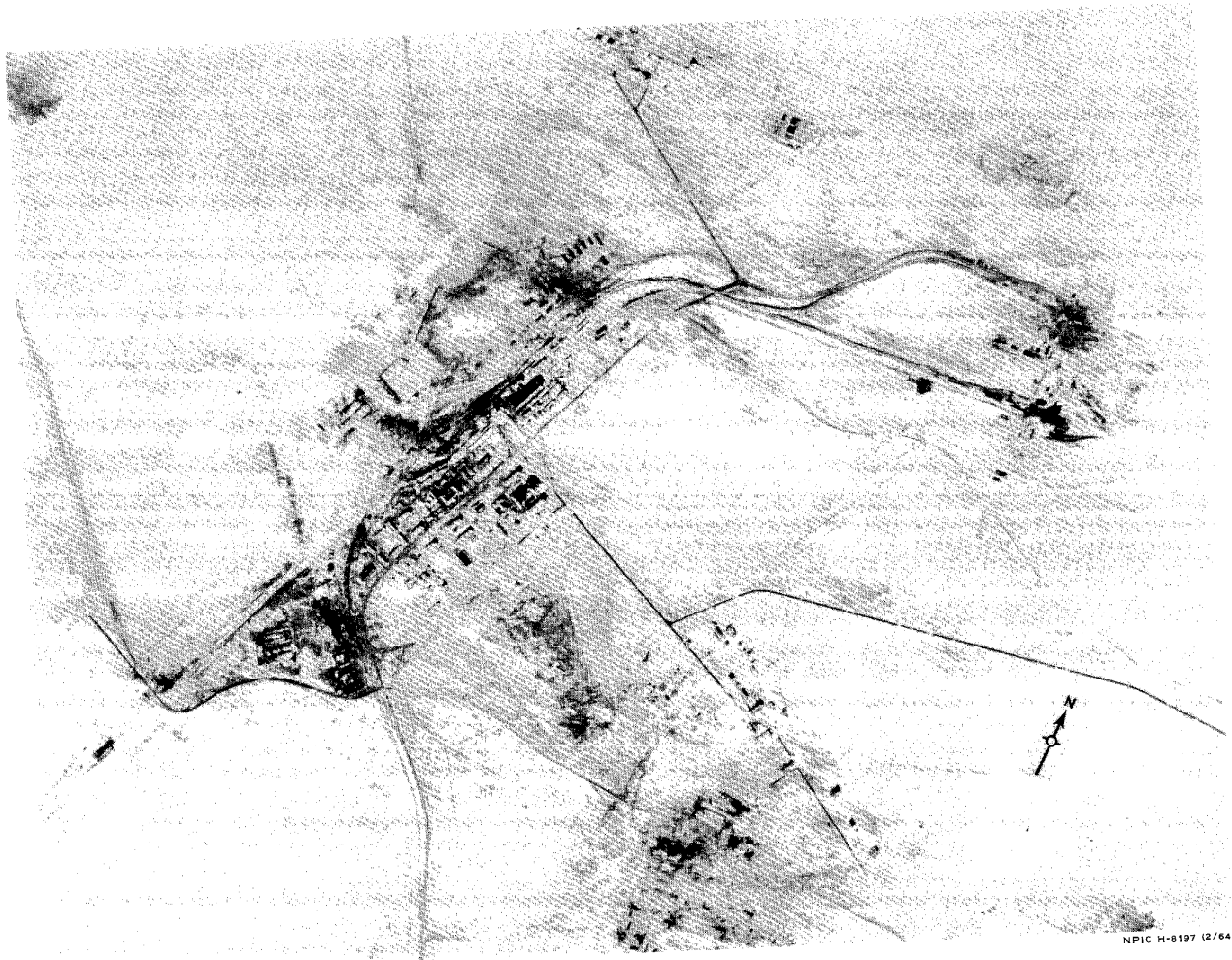
25X1A

25X2

BARANOVKA, SUSPECT ELECTRONICS FACILITY	4648N	13721E	II
ANADYR, AMM ELECTRONICS SEARCH	6444N	17728E	NC
SAMODED, SUSPECT COMMUNICATIONS FACILITY	6336N	04028E	II
YU-MEN, SUSPECT INSTRUMENTATION SITE (CHINA)	4017N	09712E	II
LAPICHI COMMUNICATIONS SITE UNDER CONSTRUCTION	5325N	02831E	II
TUN-HUANG AREA, SUSPECT RADAR SITE (CHINA)	4015N	09430E	II
SHUANG-CHENG-TZU COMMUNICATIONS SITE (CHINA)	4207N	10103E	II
EMBA MISSILE TRACKING FACILITY	4836N	05809E	NO
TUNG-AN, MILITARY AREA (CHINA)	4532N	13152E	NO
LU-PIN, MILITARY ACTIVITY (CHINA)	4935N	11726E	NC
TU-KO-MA-CHING TEST RANGE (CHINA)	4051N	10941E	NC
PEIPING COMPLEX (CHINA)	3955N	11623E	NC
HSI-AN COMPLEX (CHINA)	3417N	10857E	NC
PAO-TOU COMPLEX (CHINA)	4036N	11001E	NC
NORILSK COMPLEX	6920N	08812E	NO
KRASNOVODSK COMPLEX	4000N	05300E	NC
YAKUTSK COMPLEX	6203N	12943E	NC
LOP NOR CIRCULAR GROUND SCAR (CHINA)	4045N	08940E	I
JAO-HO NATL DEF LINE CONSTR (CHINA)	4713N	13343E	I

25X1D

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LAUNCH COMPLEX A, TYURATAM MISSILE TEST CENTER.

NPIC H-8197 (2/64)

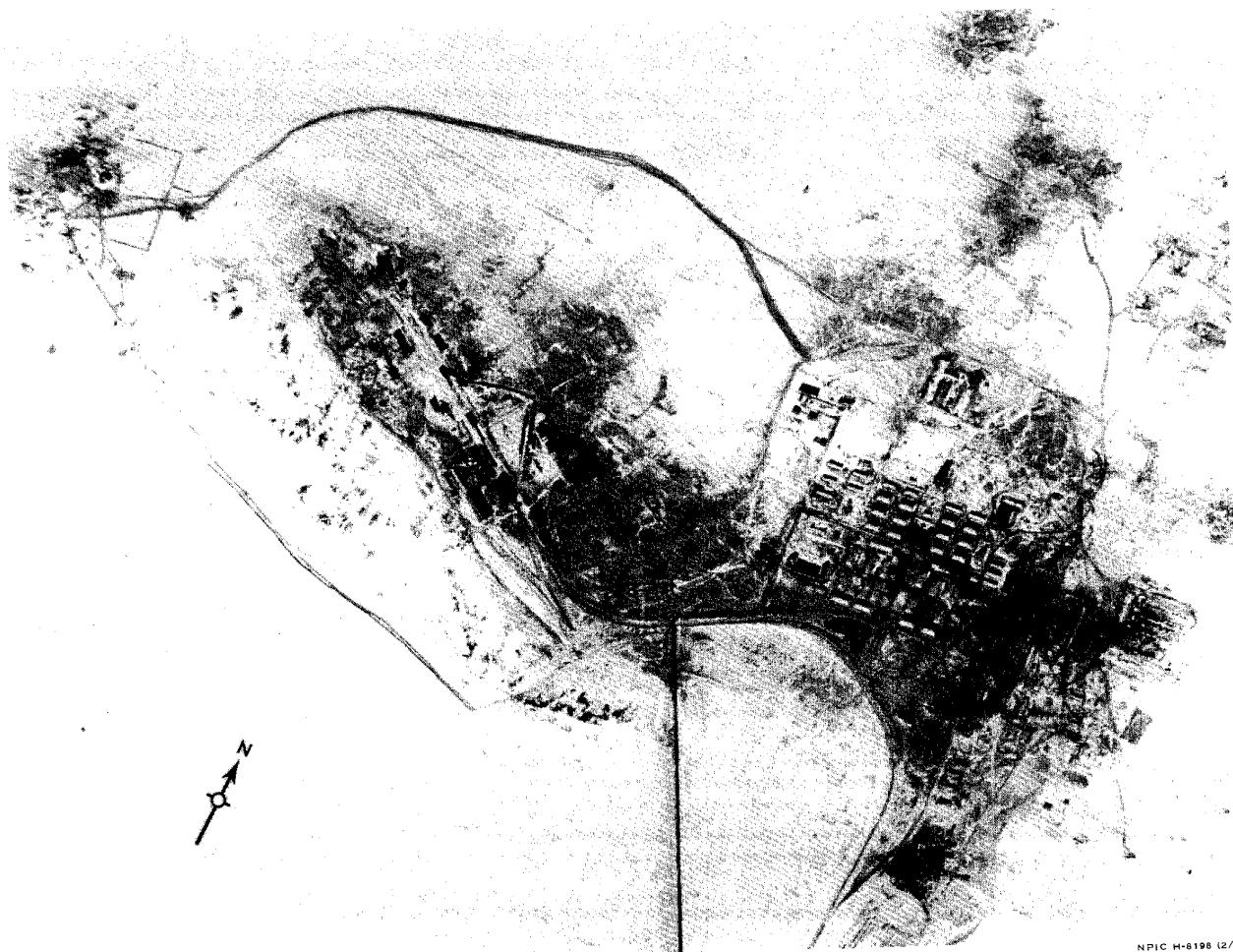
NPIC/R-156/64
ATTACHMENT 1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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LAUNCH COMPLEX B, TYURATAM MISSILE TEST CENTER.

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ATTACHMENT 2

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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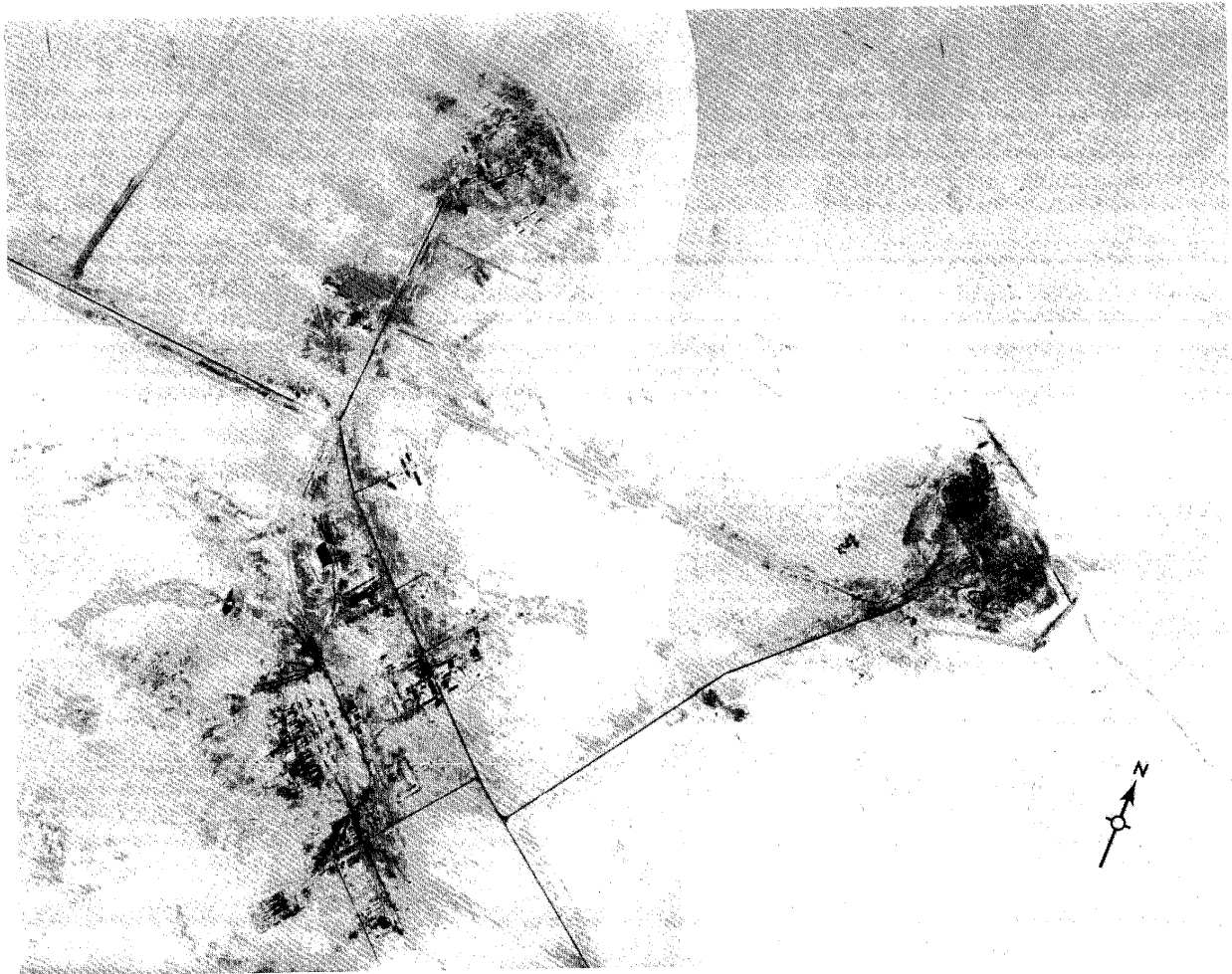
NPIC/R-156/64
ATTACHMENT 3



NPIC H-8199 (2/64)

LAUNCH COMPLEX D, TYURATAM MISSILE TEST CENTER.

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NPIC H-8200 (2/64)

LAUNCH COMPLEX G, TYURATAM MISSILE TEST CENTER.

NPIC/R-156/64
ATTACHMENT 4

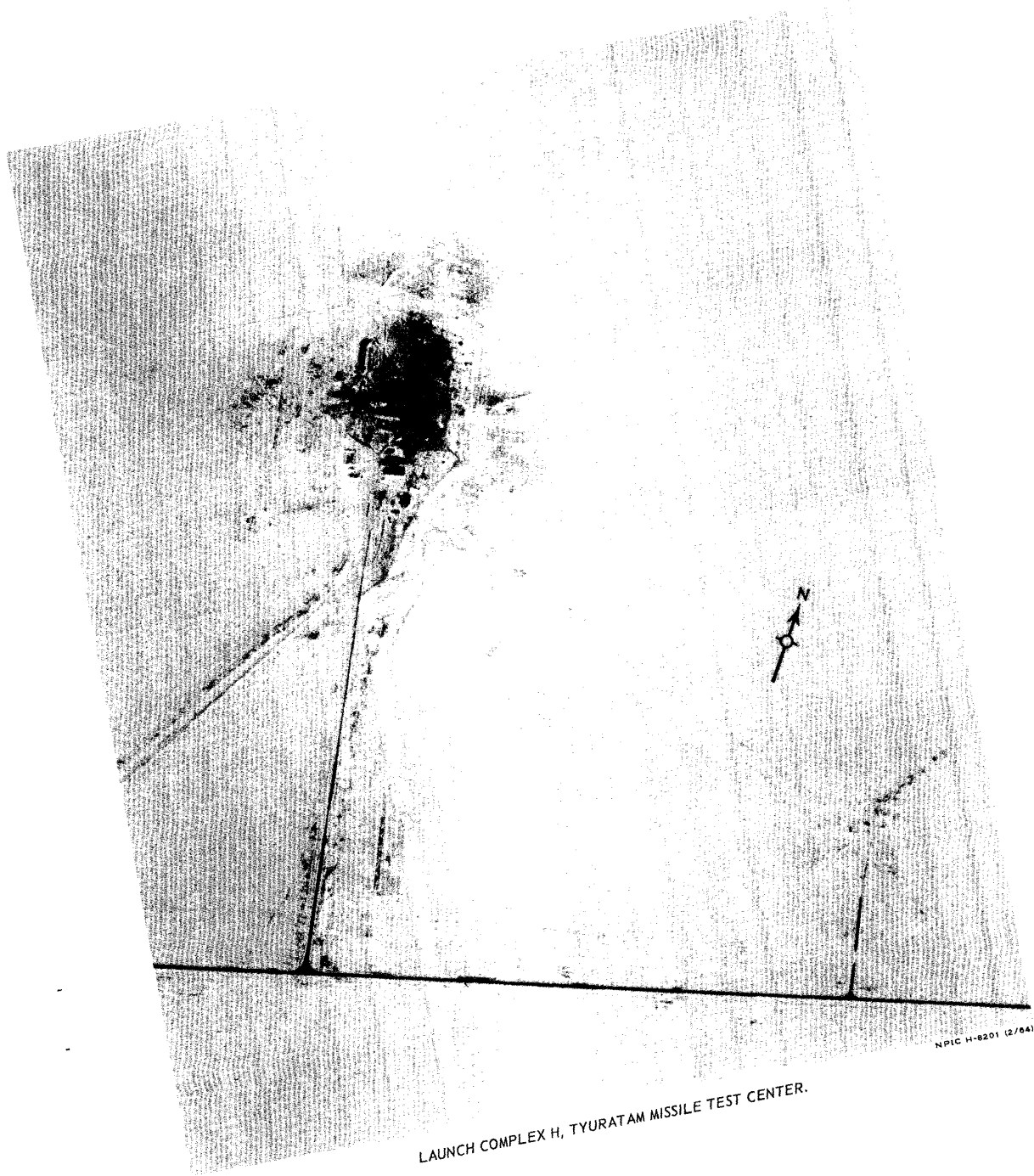
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NPIC/R-156/64
ATTACHMENT 5

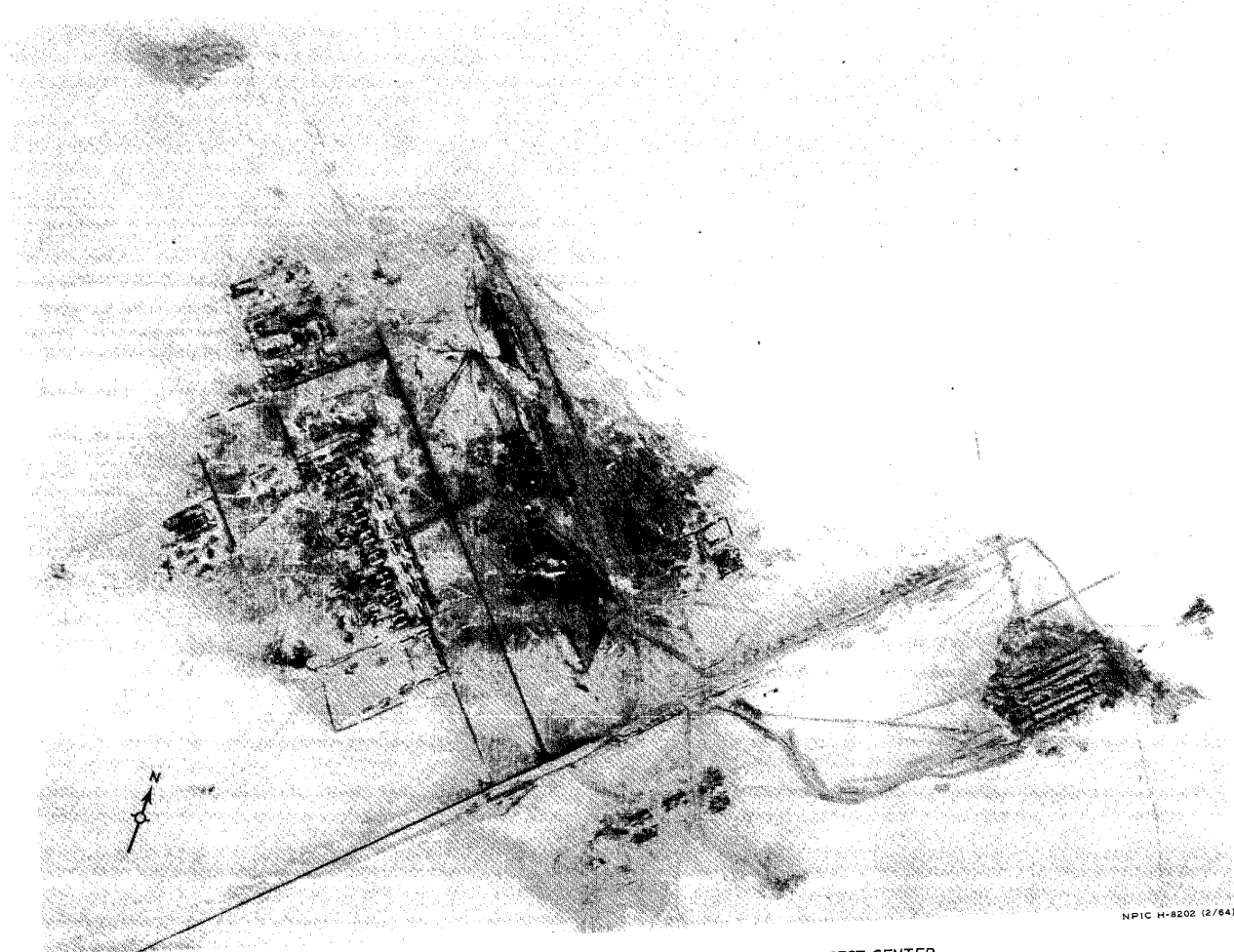


NPIC H-8201 (2/64)

LAUNCH COMPLEX H, TYURATAM MISSILE TEST CENTER.

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SUPPORT FACILITY UNDER CONSTRUCTION, TYURATAM MISSILE TEST CENTER.

NPIC H-8202 (2/64)

NPIC/R-156/64
ATTACHMENT 6

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MISSILE DEVELOPMENT AND PRODUCTION CENTER, DNEPROPETROVSK, USSR.

NPIC H-8213 (2/64)



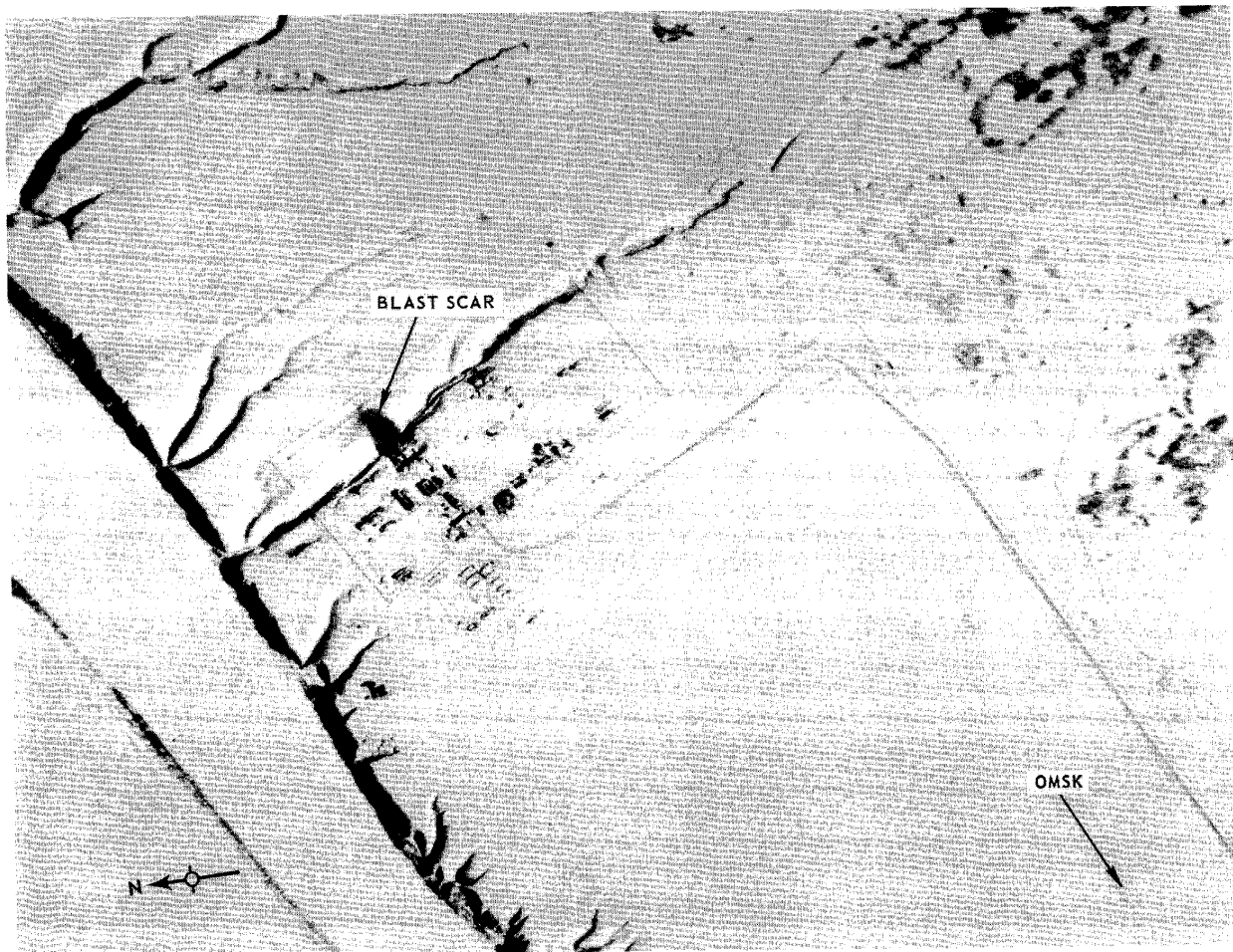
NPIC H-8204 (2/64)

ROCKET ENGINE TEST FACILITY, KURUMOCH, USSR.



NPIC H-8205 (2/64)

STATIC TEST STAND, KRASNOYARSK, USSR.



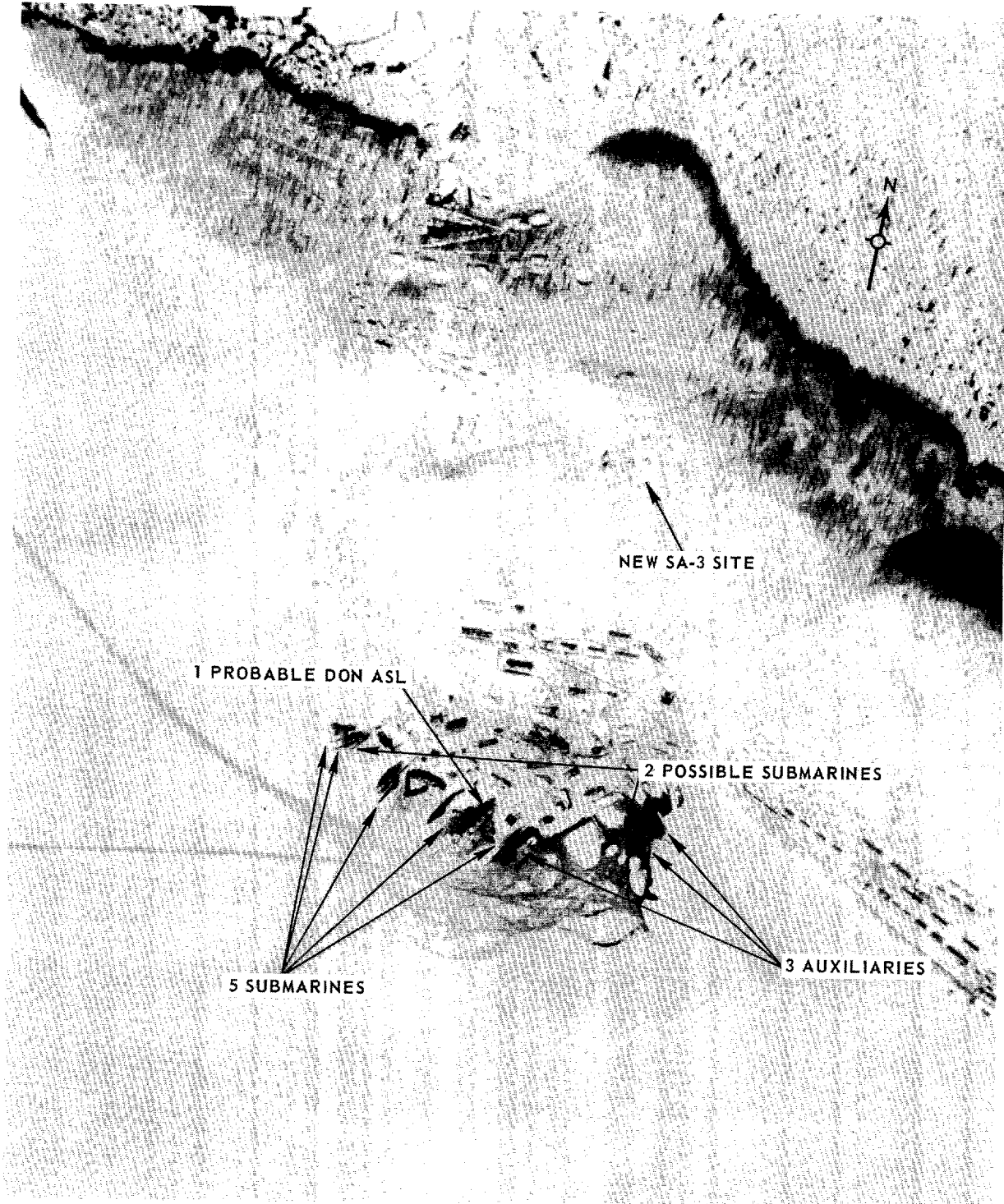
NPIC H-8206 (2/64)

OMSK STATIC TEST FACILITY

NPIC/R-156/64
ATTACHMENT 11

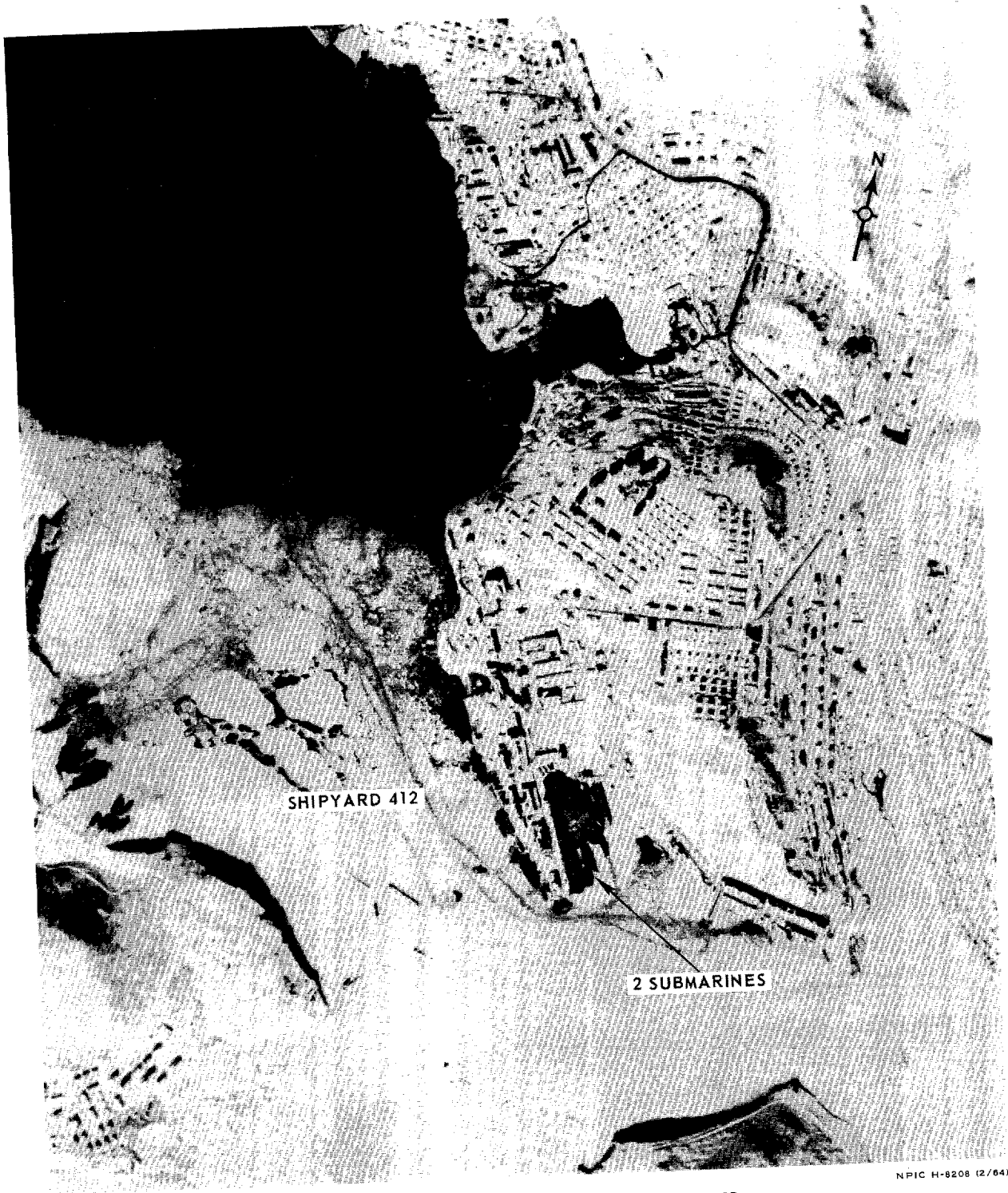
TOP SECRET CHESS RUFF

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SUBMARINE BASE, PETROPAVLOVSK-KAMCHATSKIY, USSR.

NPIC H-8207 (2/64)

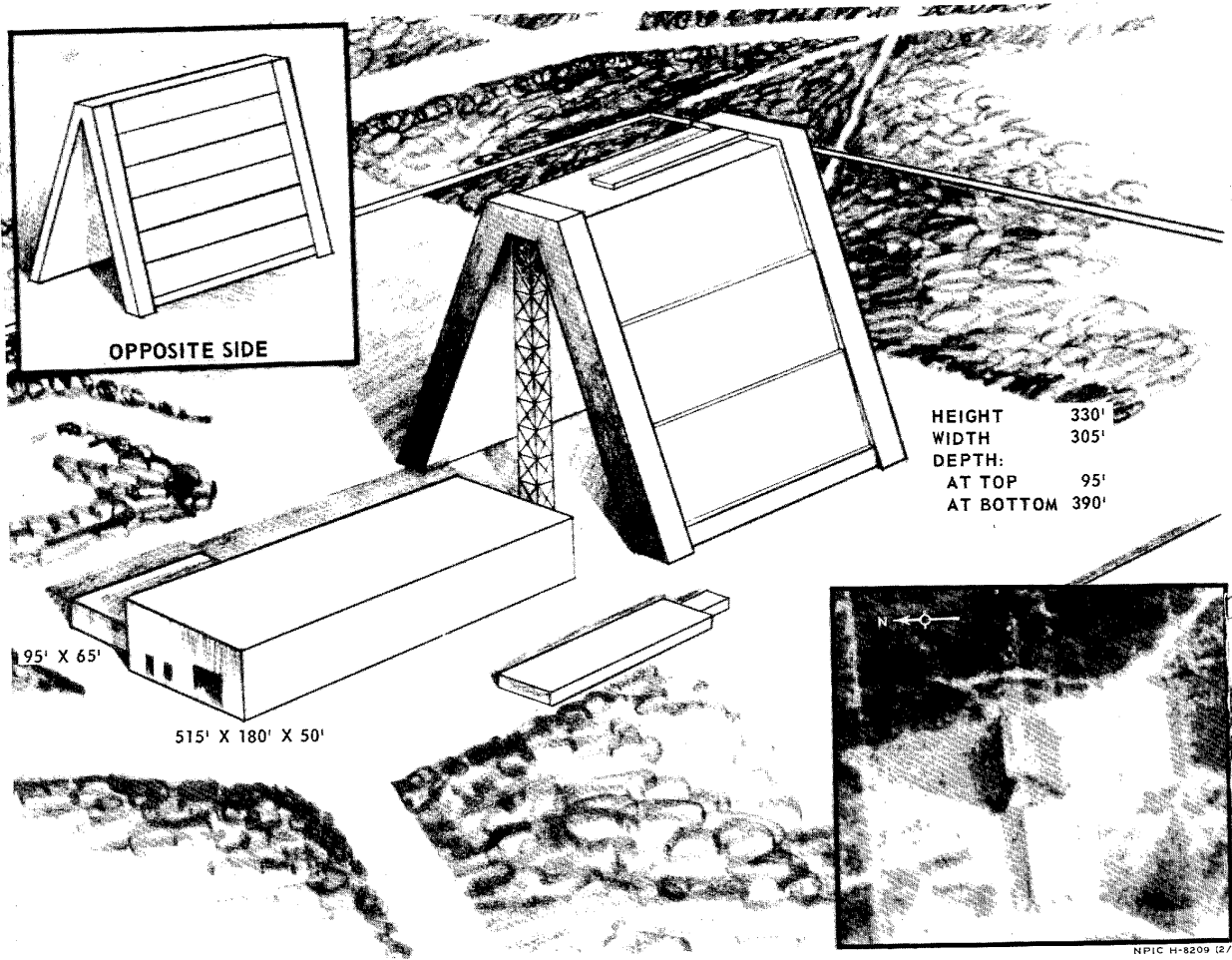


SHIPYARD 412, PETROPAVLOVSK-KAMCHATSKIY, USSR.

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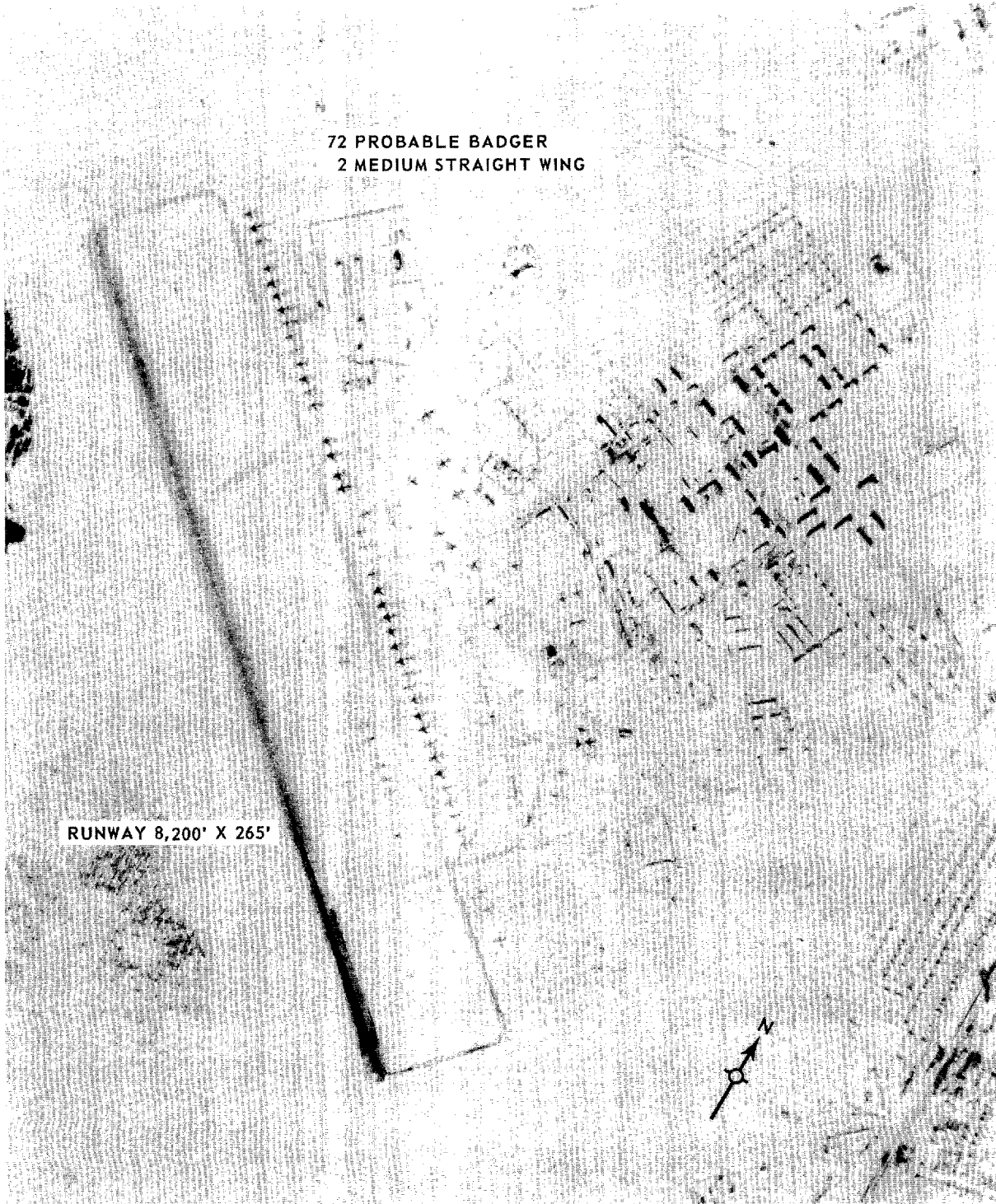


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SUSPECT AMM PHASED-ARRAY RADAR, MOSCOW AREA, USSR.

NPIC/R-156/64
ATTACHMENT 15

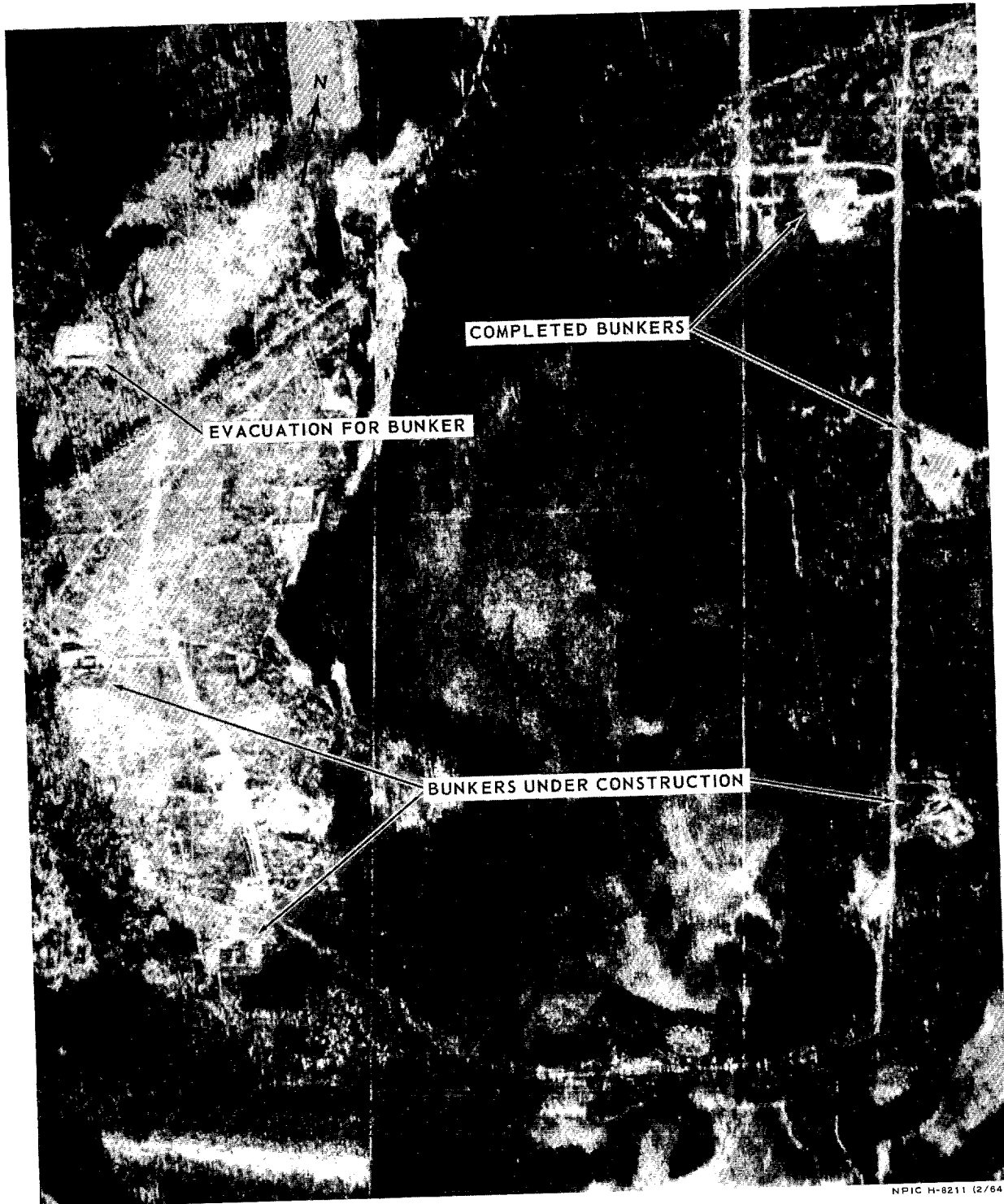


72 PROBABLE BADGER
2 MEDIUM STRAIGHT WING

RUNWAY 8,200' X 265'

BYKHOV AIRFIELD.

NPIC H-8210 (2/64)



STORAGE AREA, BULYZHINO.

NPIC H-8211 (2/64)

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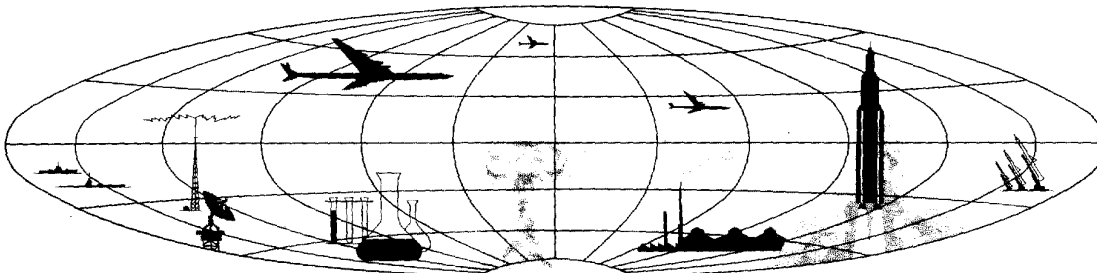
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