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NPIC/R-29/62

March 1962

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PHOTOGRAPHIC INTERPRETATION REPORT

DAK FILES

OAK-PART III MISSION 9031 27 FEBRUARY-3 MARCH 1962









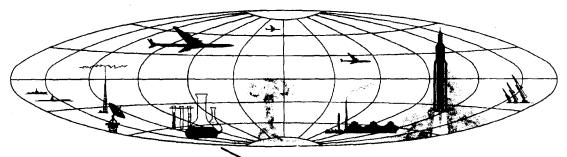
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ERRATUM FOR NPIC/R-29/62

| The airfield reported near Nikolayevskoye (| NPIC/R-29/62, OAK-Part |
|---|------------------------------|
| III, Mission 9031, Aircraft Bonus I, pp 3 and 16) | is not a newly identified |
| airfield. It was previously reported in NPIC/MC | CI-1/62 (Mission Coverage |
| Index, as Nikolaye | vskoye Airfield |
| Although the overall length of the runwa | y could not be determined |
| the MCI reported that approx | ximately 9,000 feet had been |
| cleared of snow. The overall runway length of l | 5,300 feet reported in OAK- |
| Part III, Mission 9031 remains valid. | |
| US Air Target Chart, Series 200, Sheet 0199 | 2-24A, 1st ed, Sep 59, and |
| Airfields and Seaplane Stations of the World (ASS | OTW), Vol 39, Feb 59, |
| report a Nikolayevskoye Airfield | 2.5 nautical miles north- |
| west of Nikolayevskoye, at 52-21N 116-58E, with | an estimated 4,000-foot |
| runway No airfield is discernible at these coor | dinates |

OAK - PART III

MISSION 9031

PREFACE

THIS IS THE THIRD AND LAST DAILY OAK REPORT BASED ON MISSION 9031 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1430 HOURS, 10 MARCH 1962, TO 1430 HOURS, 11 MARCH 1962. THE REPORT IS DIVIDED INTO THREE SECTIONS -- SECTION 1 DEALING WITH TARGETS OBSERVED, SECTION 2 DEALING WITH TARGETS NOT OBSERVED BECAUSE OF CLOUD COVER, AND SECTION 3 DEALING WITH TARGETS NOT COVERED BY THE PHOTOGRAPHY.

SECTION 1 IS ARRANGED BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY (BONUS TARGETS) OBSERVED DURING THE OAK-REPORTING PERIOD ARE LISTED NUMBERICALLY UNDER THE APPROPRIATE SUBJECT FOLLOWING THE LISTING OF COMOR TARGETS.

THE NAMES WHICH APPEAR IN THE HEADERS FOR MRBM SITES ARE THE NAMES WHICH CONFORM WITH TDI CRITERIA (REFERENCE -- NAMING OF SURFACE-TO-SURFACE INSTALLATIONS, J2DM-35-62, 14 FEB 62). NAMES IN PARENTHESES FOLLOWING SUCH HEADERS ARE THE NAMES GIVEN IN THE COMOR REQUIREMENT LIST.

PHOTOGRAPHIC REFERENCES ARE GIVEN FOR EACH TARGET OBSERVED AND REPORTED FOLLOWING THE DESCRIPTION OF THE TARGET. ALL PASSES ARE DESCENDING (NORTH-TO-SOUTH). AS INDICATED BY THE LETTER PREFIX TO THE PASS NUMBER. 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 FOR THE BEST FRAME.

ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

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SUMMARY

FINAL STATUS OF COMOR TARGET READOUT (TOTAL NUMBER OF COMOR TARGETS -- 251)

A TOTAL OF 59 COMOR TARGETS WERE OBSERVED DURING THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT. THIS REPORT ALSO LISTS 59 COMOR TARGETS WHICH WERE CLOUD COVERED AND 58 COMOR TARGETS WHICH WERE NOT COVERED BY THE PHOTOGRAPHY. THE 176 COMOR TARGETS COVERED IN THIS REPORT, TOGETHER WITH THE 27 COMOR TARGETS REPORTED IN OAK 9031 - PART 1 AND THE 48 COMOR TARGETS REPORTED IN QAK 9031 - PART 2, BRINGS THE TOTAL NUMBER OF COMOR TARGETS ACCOUNTED FOR TO 251.

IT SHOULD BE NOTED THAT THE COMPILATION OF TARGETS NOT COVERED BY THE PHOTOGRAPHY IS BASED ON EXAMINATION OF THE APPROXIMATE TRACK OF MISSION 9031. THE SCAN OF PHOTOGRAPHY FOR THE MISSION COVERAGE INDEX (MCI) MAY RESULT IN A REVISION OF THIS COMPILATION.

SUMMARY OF MISSILE ACTIVITY

THE FOLLOWING IS A COMPILATION OF MISSILE LAUNCH FACILITIES (INCLUDING PROBABLES AND POSSIBLES) OBSERVED TO DATE ON MISSION 9031. THIS COMPILATION INCLUDES ONLY THOSE FACILITIES WHICH HAVE BEEN IDENTIFIED FOR THE FIRST TIME FROM PHOTOGRAPHY ---

| TYPE | PART 1 | PART 2 | PART 3 | TOTAL |
|-------------------|--------|--------|--------|-------|
| ICBM LAUNCH AREAS | 3 | Ø | 2 | 5 |
| MRBM LAUNCH SITES | 1 | 10 | 3 | 14 |
| SA-2 SAM SITES | Ø | Ø | 1 | 1 |
| SA-3 SAM SITES | Ø | 1 | Ø | 1 |

IN ADDITION TO THE READOUT OF COMOR TARGETS. AN INITIAL SCAN WAS MADE DURING THE OAK EXERCISE OF ALL PASSES COVERING THE 5-DEGREE BAND FROM 55 DEGREES NORTH LATITUDE TO 60 DEGREES NORTH LATITUDE FOR SSM ACTIVITY.

HIGHLIGHTS

THE FOLLOWING ITEMS OF SPECIAL INTEREST ARE CONTAINED IN THIS REPORT --

NEWLY IDENTIFIED ICBM LAUNCH COMPLEX AT TEYKOVO (MISSILE BONUS 1).

SUSPECT ICBM LAUNCH COMPLEX UNDER CONSTRUCTION NE OF OMSK

TOP SECRET CHESS RUFF

| ASANOVSHCHINA (OSTROV) MRBM LAUNCH SITE NO 1 CONFIRMED |
|--|
| FORMER YELSK MRBM LAUNCH SITE NO 2 NOW CONSIDERED YELSK COMPLEX SUPPORT AREA. NEWLY CONFIRMED YELSK MRBM LAUNCH SITE NO 2 5.8 NM ESE OF YELSK |
| |
| |
| |
| BORZYA AIRFIELD, 5 NM WNW OF BORZYA, HAS AN 11,000-FOOT E/W RUNWAY AND A PROBABLE 9,000-FOOT ENE/WSW RUNWAY |
| KHADA BULAK AIRFIELD, 7 NM NW OF KHADA BULAK, HAS AN 8,900-FOOT NW/SE RUNWAY AND A 6,400-FOOT E/W RUNWAY (AIRCRAFT BONUS 2). |
| SECTION 1. TARGETS OBSERVED |
| MISSILES |
| 6703N 06524E POLYARNYY URAL SUSPECT ICBM AREA |
| ONLY EASTERN HALF OF AREA COVERED. HEAVY CLOUDS AND HAZE OVER 80 PERCENT OF AREA COVERED PRECLUDE CONFIRMATION OR DENIAL OF MISSILE ACTIVITY. |
| |
| 5920N 03828E CHEREPOVETS SUSPECT IGBM AREA |
| FUNCTION OF UNIDENTIFIED INSTALLATION CANNOT BE DETERMINED. THIS INSTALLATION HAS NO SIMILARITY TO KNOWN ICBM COMPLEXES LOCATED IN USSR. NO ICBM-RELATED ACTIVITY WAS IDENTIFIED IN THE VICINITY OF CHEREPOVETS. |
| |



| 5914N Ø4929E YURYA ICBM LAUNCH COMPLEX |
|---|
| LAUNCH AREAS B, C AND D ARE VISIBLE. LAUNCH AREA A IS NOT IDENTIFIABLE DUE TO HAZE AND SNOW. COMPLEX SUPPORT FACILITY IDENTIFIABLE. |
| PREVIOUSLY UNIDENTIFIED AREA WEST OF COMPLEX SUPPORT FACILITY IS VISIBLE AND IS NOT A LAUNCH AREA. HOWEVER, FUNCTION CANNOT BE DETERMINED AT THIS TIME. |
| THE MAIN ROAD SERVING LAUNCH AREAS C AND D EXTENDS NORTH PAST LAUNCH AREA D TO AN AREA OF UNIDENTIFIED ACTIVITY. NO MAJOR CHANGES ARE APPARENT IN THIS AREA SINCE DEC 61. AND NO LAUNCH AREA PATTERN IS IDENTIFIABLE AT THIS DATE. HAZE PREGLUDES FURTHER INTERPRETATION. |
| LAUNCH AREA B LAUNCH AREA C LAUNCH AREA D COMPLEX SUPPORT FACILITY |
| HAZE, SCATTERED CLOUDS, POOR QUALITY |
| 6432N Ø4Ø32E ARKHANGELSK SUSPECT ICBM AREA |
| NO EVIDENCE OF ICBM DEPLOYMENT WAS FOUND WITHIN A 25 NM RADIUS OF ARKHANGELSK. CLOUDS AND HAZE LIMIT INTERPRETATION. |
| |
| 5434N Ø5556E UFA SUSPECT ICBM AREA |
| ONLY A SMALL PORTION OF AREA COVERED. NO MISSILE ACTIVITY OBSERVED. |
| 5203N 11330E CHITA SUSPECT ICBM AREA |
| NO MISSILE OR UNUSUAL ACTIVITY OBSERVED WITHIN 25 NM RADIUS OF CHITA. HOWEVER, POSSIBLE MISSILE RELATED FACILITIES, POSSIBLY ASSOCIATED WITH THE KAPUSTIN YAR 2,500 NM IMPACT AREA, WERE OBSERVED 52 NM NORTH OF CHITA |

| 4830N 13506E KHABAROVSK SUSPECT ICBM AREA |
|---|
| AN UNIDENTIFIED ROAD-SERVED INSTALLATION; POSSIBLY MISSILE RELATED; IS LOCATED 23 NM ENE OF KHARBAROVSK AND 13.5 NM NE OF KHARBAROVSK BLAGODATNOYE AIRFIELD AT 48-35N 135-37E. |
| |
| DEFINITE MISSILE FACILITIES CAN BE IDENTIFIED. HOWEVER, THE GENERAL PATTERN AND LAYOUT OF THIS INSTALLATION IS SUGGESTIVE OF POSSIBLE MRBM ACTIVITY. NO ICBM ACTIVITY OBSERVED WITHIN A 25 NM RADIUS OF KHABAROVSK. |
| 575ØN Ø4122E KOSTROMA ICBM LAUNCH COMPLEX |
| THE STATUS OF THE COMPLEX AS SEEN ON MISSION 9031 IS AS FOLLOWS |
| LAUNCH AREA A APPROXIMATELY 6 BUILDINGS IN THE PAD AREA. ONE OF THESE IS THE MISSILE READY BUILDING FOR THE EAST PAD. THE OTHER 5 ARE SMALL BUILDINGS. 3 ALONG THE CENTER ROAD AND 2 ALONG THE EAST SIDE. LAUNCH SUPPORT APPEARS UNCHANGED. |
| LAUNCH AREA B THERE ARE APPROXIMATELY 6 BUILDINGS IN THE PAD AREA WHICH WERE NOT SEEN DEC 61. ONE IS THE MISSILE READY BUILDING FOR THE WEST PAD. THE OTHER 5 ARE SMALL BUILDINGS. 3 ALONG THE CENTER ROAD. AND 2 ALONG THE WEST SIDE. THE LAUNCH SUPPORT AREA APPEARS UNCHANGED. |
| PROBABLE LAUNCH AREA C GROUND SCARRING HAS INCREASED APPROXIMATELY 100 PERCENT. THERE ARE ABOUT 12 BUILDINGS IN THE AREA; 3 OF WHICH WERE SEEN |
| A NEW GROUND SCAR NOT PRESENT CONSTRUCTION; IS APPARENT LEADING WEST FROM THE ACCESS ROAD TO LAUNCH AREA B. THIS SCAR IS ABOUT ONE NM NORTH OF THE JUNCTION OF THE ACCESS ROAD WITH THE MAIN ROAD. THE SCAR INTERSECTS THE ACCESS ROAD AT APPROXIMATELY A 90-DEGREE ANGLE AND RUNS WEST INTO THE WOODS FOR APPROXIMATELY .5 NM. NO ACTIVITY IS APPARENT AT THE END OF THE SCAR. COORDINATES AT END OF THE SCAR ARE 57-58N Ø41-14E. |
| COMPLEX SUPPORT FACILITY NO APPARENT CHANGE IN THIS FACILITY. LOCATED ON THE OUTSKIRTS OF KOSTROMA AT 57-46-35N Ø41-00-50E. |

| PROBABLE TRANSFER POINT NEW EARTH SCARS NORTH OF THE BUILDING AREA (57-51-10N 044-15-15E). NO NEW BUILDINGS ARE APPARENT |
|---|
| |
| |
| |
| |
| 6052N 06005E POLUNOCHNOYE SUSPECT ICHM AREA |
| NO MISSILE ACTIVITY OBSERVED WITHIN A 35 NM RADIUS OF POLUNOCHNOYE. |
| |
| 7158N 10230E KHATANGA SUSPECT ICBM AREA |
| NO ICBM OR OTHER MISSILE RELATED ACTIVITY OBSERVED WITHIN A 100 NM |
| RADIUS OF KHATANGA. |
| |
| 5649N Ø623ØE YELANSKIY SUSPECT ICBM AREA |
| AN AREA WITHIN A RADIUS OF 50 NM CENTERED ON THE ABOVE COORDINATES WAS SEARCHED FOR ICBM SITES. NO ACTIVITY WAS OBSERVED WHICH COULD BE ASSOCIATED WITH ICBM. |
| |
| 5337N Ø5557E STERLITAMAK SUSPECT ICBM AREA |
| ONLY WESTERN HALF OF 25 NM RADIUS COVERED. CLOUDS AND SNOW LIMIT INTERPRETATION. NO MISSILE ACTIVITY OBSERVED IN VISIBLE PORTIONS. |
| |
| 5605N 06338E SHADRINSK ICBM LAUNCH COMPLEX |
| NO SIGNIFICANT CHANGES APPARENT SINCE DEC 61. THE ROAD FROM THE SUPPORT FACILITY TO THE TRANSFER POINT IS CLEARED OF SNOW. THE PATTERN OF THE LAUNCH AREAS STILL CANNOT BE FIRMLY DETERMINED. THERE APPEARS TO BE ADDITIONAL GROUND SCARRING IN THE VICINITY OF LAUNCH AREA A AND 2 POSSIBLE BUILDINGS NEAR THESE SCARS |

| LAUNCH AREA B | |
|--|----|
| COMPLEX SUPPORT FACILITY - | |
| TRANSFER POINT CLEAR, SNOW COVER | |
| | |
| 5504N 07334E OMSK SUSPECT ICBM LAUNCH GOMPLEX UNDER | |
| CONSTRUCTION | |
| THE PREVIOUSLY REPORTED UNIDENTIFIED CONSTRUCTION PROJECT NE OF OM IS A SUSPECT ICBM COMPLEX IN AN EARLY STAGE OF CONSTRUCTION. LAUN AREAS CANNOT BE LOCATED AT THIS TIME. HOWEVER, THE RAIL AND ROAD NETWORKS RESEMBLE THOSE AT KNOWN ICBM COMPLEX SUPPORT FACILITIES A TRANSFER POINTS. | CH |
| DEC 61, REVEALED A NEW RAIL LINE AND ROAD (NEW SINCE 1957 TALENT COVERAGE AND NOT SHOWN ON USATO 163-10A+ MAY 59) FROM OMSK TO THIS COMPLEX. A BRANCH OF THE RAIL LINE SERVES THE SUPPOR FACILITY LOCATED APPROXIMATELY 3 NM NE OF OMSK AT | |
| 55-03N 073-30E. A SPUR ENTERS THE SUPPORT FACILITY AND TERMINATES IN 3 SPURS, ONE WITH A DOUBLE END SIDING. SEVERAL UNIDENTIFIED STRUCTURES HAVE BEEN CONSTRUCTED WITHIN THIS FACILITY BOTH THE RAIL-SERVED SUPPORT FACILITY AND AN ADJACENT | |
| HOUSING/SUPPORT AREA WHICH CONTAINS APPROXIMATELY 30 BUILDINGS (20 PRESENT APPEAR TO BE SECURED AND ARE SERVED BY THE ROAD FROM OMSK. | E |
| THE RAIL LINE PARALLELS THE ROAD FOR APPROXIMATELY 5.5 NM TO A POI WHERE THE RAIL LINE BRANCHES SLIGHTLY AWAY FROM THE ROAD AND THEN AGAIN PARALLELS IT FOR APPROXIMATELY 4.000 FT WHERE THE RAIL TERMINATES THERE ARE NO STRUCTURES AT THE TERMINUS. THE ROAD CONTINUES NORTHWARD THROUGH SCATTERED WOODS FOR | |
| APPROXIMATELY 5.5 NM WHERE IT FORKS TO THE NE AND WEST. THE NE FO TERMINATES AS A HEART-SHAPED LOOP ROAD CONTAINING A PROBABLE BUILDING THIS SECTION OF THE ROAD AND THE PROBABLE BUILDING ARE NEW THE ROAD IS A WELL-ENGINEERE RIGHT-OF-WAY AND APPEARS TO BE STILL UNDER CONSTRUCTION. NUMEROUS | D |
| CONSTRUCTION SCARS ARE APPARENT ON BOTH SIDES OF THE ROAD. THE WE FORK CONTINUES FOR ABOUT ONE NM WHERE IT TERMINATES IN A WOODED AREA | ST |
| | |
| | |
| | |
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| | |
| 7 | |



| SIMILAR IN SIZE AND CONFIGURATION TO THE REGIONAL MILITARY STORAGE AREA AT SUROVATIKA. |
|--|
| 5613N Ø8755E MARIINSK U/I CONSTRUCTION PROJECT |
| HAZE AND SNOW COVER OVER CONSTRUCTION ACTIVITY PRECLUDE A DETAILED ANALYSIS. HOWEVER, A REANALYSIS OF THIS AREA ON MISSION INDICATES THAT THIS IS PROBABLE MINING ACTIVITY. A RAIL SIDING SERVES THE INSTALLATION. |
| 6401N 03406E VERKHNIY IDEL U/I COMPLEX |
| |
| / NO APPARENT MISSILE-ASSOCIATED ACTIVITY. |
| 5224N 11700E NIKOLAYEVSKOYE SUSPECT MISSILE AREA |
| NO MISSILE ACTIVITY OBSERVED WITHIN A 25 NM RADIUS OF NIKOLAYEVSKOYE. |
| 5309N 02914E BOBRUYSK SUSPECT MRBM AREA |
| NO MISSILE OR UNUSUAL ACTIVITY OBSERVED WITHIN 25 NM RADIUS OF BOBRUYSK. HOWEVER, HAZE SEVERLY LIMITS INTERPRETATION. |
| 671ØN Ø3225E KANDALAKSHA SUSPECT MRBM AREA |
| NO MISSILE ACTIVITY OBSERVED WITHIN A 25 NM RADIUS OF KANDALAKSHA |
| 5924N Ø2444E TALLINN SUSPECT MRBM AREA |
| NO MRBM SITES OBSERVED WITHIN A 25-NM RADIUS OF TALLINN. |

| 5310N 02428E VOLKOVYSK SUSPECT MRBM AREA |
|--|
| NO MISSILE OR UNUSUAL ACTIVITY OBSERVED WITHIN 25 NM RADIUS OF VOLKOVYSK. |
| 4457N Ø34Ø6E SIMFEROPOL SUSPECT MRBM AREA |
| CITY VISIBLE THROUGH HOLE IN OVERCAST. REMAINDER OF 25 NM AREA CLOUD-COVERED. |
| 18062 5444N 02205E GUSEV MRBM LAUNCH SITE NO 2 (GUSEV MRBM LAUNCH AREA 2) |
| READY BUILDINGS LOCATED TO THE EAST OF EACH PREVIOUSLY IDENTIFIED LAUNCH PAD. |
| 5441N 02206E GUSEV MRBM LAUNCH SITE NO 1 (GUSEV MRBM LAUNCH AREA 1) |
| READY BUILDINGS LOCATED TO THE EAST OF EACH PREVIOUSLY IDENTIFIED |
| 5142N 02912E YELSK MRBM LAUNCH SITE NO 1 (YELSK MRBM LAUNCH AREA 1) |
| NO APPARENT CHANGE SINCE JUN 61. |
| 5146N 02917E YELSK MRBM LAUNCH SITE NO 2 (YELSK MRBM LAUNCH AREA 2) |
| AREA FORMERLY REFERRED TO AS SITE NO 2 IS NOW CONSIDERED THE YELSK COMPLEX SUPPORT AREA. IT RESEMBLES SUPPORT AREAS IDENTIFIED ELSEWHERE. A NEW 4 PAD RECTANGULAR SITE, NOW CONFIRMED AS YELSK NO 2; LIES 5.8 NM ESE OF YELSK AND 5.8 NM ENE OF LAUNCH SITE NO 1; AT 51-46-50N 029-17-50E. |
| 51 m46 m 50N 029 m 17 m 50 F a |

| | (NADVORNAYA MRBM LAUNCH AREA 2) IFICATION ONLY. SCATTERED CLOUDS AND SNOW COVER PRECLUDE PRETATION. |
|----------------|--|
| | 5225N Ø3Ø4ØE BORKHOV MRBM LAUNCH SITE NO 2 (GOMEL MRBM LAUNCH AREA 2) |
| <u>N</u> O AP | PARENT CHANGE |
| | 5219N Ø3Ø41E BORKHOV MRBM LAUNCH SITE NO 1 (GOMEL MRBM LAUNCH AREA 1) |
| NO AP | PARENT CHANGE SINCE MISSION 9017, JUN 61. |
| | 4854N Ø3Ø28E MOLODETSKOYE MRBM LAUNCH SITE NO 1 (DOBROVODY LAUNCH AREA 1) |
| NÓ AP FACIL | PARENT CHANGE SINCE AUG-SEP 61. SITE SUPPORT ITIES IMMEDIATELY TO THE SE. ROAD NET IS CLEARLY VISIBLE. |
| | 5759N Ø26Ø6E TORVA MRBM LAUNCH SITE NO 2 (TORVA MRBM LAUNCH AREA 2) |
| * | PARTIALLY CLOUD COVERED. NO APPARENT CHANGE IN VISIBLE |
| SITE PORTI | ONS. |
| | ONS. |
| PORTI | 5823N Ø2643E TARTU SUSPECT MRBM AREA \$SILE OR UNUSUAL ACTIVITY OBSERVED WITHIN 25 NM RADIUS OF SNOW COVER AND HAZE LIMIT INTERPRETATION. |

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(OSTROV MRBM LAUNCH AREA)

| THIS CONFIRMED IRREGULAR MRBM LAUNCH SITE IS LOGATED 12 NM NNW OF OSTROV AND 5 NM WNW OF ASANOVSHCHINA. HOWEVER, NO DIRECT ROAD CONNECTION IS EVIDENT. FOR MATCHING LAUNCH AREA SEE SHEVELO MRBM LAUNCH SITE NO 1 (BONUS 2 UNDER MISSILES). |
|--|
| 5725N Ø265ØE RUSKI NO 1 MRBM LAUNCH SITE NO 1 (ALUKSNE MRBM LAUNCH AREA) |
| SITE ONLY PARTIALLY VISIBLE. NO MATCHING MRBM SITE IDENTIFIED. |
| 5316N Ø2745E GRESK MRBM LAUNCH SITE NO 2 (GRESK MRBM LAUNCH AREA 2) |
| NO APPARENT CHANGE SINCE DEC 61. |
| 5523N Ø2843E POLOTSK MRBM LAUNCH SITE NO 1 (POLOTSK MRBM LAUNCH AREA 1) |
| INLINE MRBM LAUNCH SITE LOCATED IN A WOODED AREA 7 NM SSE OF POLOTSK AT 55-23-00N 028-43-00E CONSISTS OF FOUR PADS. EACH WITH A READY BUILDING, WITH HOUSING AND SUPPORT LOCATED IMMEDIATELY TO THE NE OF THE PADS. CONSTRUCTION APPEARS COMPLETE. |
| 5525N Ø2834E POLOTSK MRBM LAUNCH SITE NO 2 (POLOTSK MRBM LAUNCH AREA 2) |
| INLINE-TYPE LAUNCH SITE, WHICH APPEARS COMPLETE, IS LOCATED IN A WOODED AREA 8 NM SW OF POLOTSK AT 55-25-10N 028-34-30E. SITE CONSISTS OF FOUR LAUNCH PADS WITH ASSOCIATED READY BUILDINGS AND SUPPORT FACILITIES. |
| 5749N Ø2651E VORU MRBM LAUNCH SITE NO 2 (VORU MRBM LAUNCH AREA 2) |
| SITE IS PARTIALLY CLOUD COVERED. NO CHANGES IN VISIBLE PORTIONS. |

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| 5746N Ø2647E VORU MRBM LAUNCH SITE NO 1 (VORU MRBM LAUNCH AREA 1) |
|--|
| SITE IS PARTIALLY CLOUD COVERED. NO CHANGES IN VISIBLE PORTIONS. |
| |
| 5209N 02607E PINSK SUSPECT MRBM AREA |
| NO MISSILE OR UNUSUAL ACTIVITY OBSERVED IN VISIBLE PORTIONS. |
| 5341N 02350E GRODNO SUSPECT MRBM AREA |
| SEARCH FOR SUSPECT MRBM SITES WAS MADE WITH NEGATIVE RESULTS. NO MISSILE OR UNUSUAL ACTIVITY OBSERVED. |
| 5535N Ø2816E DISNA MRBM LAUNCH SITE NO 1 (DISNA MRBM LAUNCH AREA 1) |
| LAUNCH SITE APPEARS COMPLETE. NO APPARENT CHANGES SINCE DEC 61. |
| 5908N 02627E SIMUNA MRBM LAUNCH SITE NO 1 (RAKVERE MRBM LAUNCH AREA 1) |
| NO APPARENT CHANGE SINCE SEP 61. |
| 5912N 02620E VAIKE MAARJA MRBM LAUNCH SITE NO 1 (RAKVERE MRBM LAUNCH AREA 1) |
| IDENTIFICATION ONLY. CLOUDS PRECLUDE INTERPRETATION. |
| 5315N Ø2743E GRESK MRBM LAUNCH SITE NO 1 |

TOP SECRET CHESS RUFF

| NO APPARENT CHANGE SINCE DEC 61. |
|--|
| 5537N Ø2826E ZELKI MRBM LAUNCH SITE NO 2 (DISNA MRBM LAUNCH AREA 2) |
| LAUNCH SITE APPEARS COMPLETE. NO APPARENT CHANGES SINCE DEC 61. |
| 5440N 02108E GVARDEYSK MRBM LAUNCH SITE NO 1 (NEGATED) (GVARDEYSK MRBM LAUNCH AREA 1) |
| STEREO-STUDY OF THIS SITE ON MISSION 9031 FAILS TO CONFIRM THIS AS AN MRBM LAUNCH SITE. NO PADS ARE PRESENT, AND THE TERRAIN IS NOT SUITABLE FOR CONSTRUCTION OF A FOUR-PAD SITE. THIS IS CONSIDERED NOT TO BE AN MRBM LAUNCH SITE. NOTHING HAS BEEN ADDED TO THE AREA SINCE AUG-SEP 61. |
| 5521N Ø2652E KOZYANY MRBM LAUNCH SITE (KOZYANY MRBM LAUNCH AREA) |
| CONSTRUCTION APPEARS COMPLETE. ROAD CONNECTS SITE TO POSTAVY MRBM SUPPORT AREA. NO MATCHING SITE IN IMMEDIATE VICINITY. |
| 5510N 02655E POSTAVY MRBM LAUNCH SITE (POSTAVY MRBM LAUNCH AREA) |
| NO APPARENT CHANGE SINCE DEC 61. NO MATCHING SITE IDENTIFIED. HOWEVER, KOZYANY MRBM LAUNCH SITE IS 11.1 NM NNW OF THE POSTAVY LAUNCH SITE. |
| 5215N Ø2838E KONKOVICHI MRBM LAUNCH SITE NO 1 (KURITICHI PROB MRBM LAUNCH AREA) |
| IDENTIFICATION ONLY. HAZE PRECLUDES INTERPRETATION. |
| 5650N 05311E IZHEVSK ARMS & MCH EQUIP PLT 71 & 74 |

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| | 4947N Ø3ØØ1E BELAYA TSERKOV SUSPECT MRBM AREA |
|--------|---|
| | SSILE OR UNUSUAL ACTIVITY OBSERVED WITHIN 25 NM RADIUS OF A TSERKOV. |
| | 5009N 02907E ZHITOMIR PROBABLE MRBM SUPPORT AREA |
| VM EA | MIR COMPLEX NOT COVERED, BUT AREA UP TO WITHIN APPROXIMATEL ST OF ZHITOMIR SEARCHED. MRBM SUPPORT INSTALLATION NOT VED. |
| | |
| | 5818N Ø3Ø31E MEDVED SUSPECT MRBM AREA |
| IDENT | IFICATION ONLY. CLOUDS PRECLUDE DETAILED INTERPRETATION. |
| | 4721N Ø652ØE LAKE CHUBAR TENGIZ AREA FIELD LAUNCH POINT |
| | LAUNCH POINT BARELY DISCERNIBLE THROUGH HEAVY HAZE. NO OF LE ACTIVITY OBSERVED. HAZE PREGLUDES DETAILED INTERPRETATION |
| | 6829N Ø3321E MURMANSK SUSPECT ICBM AREA |
| אט פפו | M ACTIVITY OBSERVED IN CLOUD-FREE AREAS. |
| | |

TYPE OF AIRCRAFT OBSERVED WERE AS FOLLOWS -- AN-TUNG AIRFIELD - ONE

POSSIBLE TRANSPORT-TYPE AIRCRAFT AT 40-01N 124-17E, AND UIJU

| AIRFIELD. 40-09N 124-30E, 2 POSSIBLE FIGHTER-TYPE AIRCRAFT. |
|---|
| BONUS 1. 5654N Ø4Ø35E TEYKOVO ICBM LAUNCH COMPLEX NEWLY IDENTIFIED |
| A NEW ICBM LAUNCH COMPLEX HAS BEEN IDENTIFIED NEAR TEYKOVO. THE COMPLEX CONSISTS OF A SUPPORT FACILITY (56-52N Ø4Ø-35E), A TRANSFER POINT (56-54N Ø4Ø-35E), AND TWO LAUNCH AREAS. THE COMPLEX SUPPORT FACILITY APPEARS COMPLETE. THE TRANSFER POINT AND LAUNCH AREA A (56-55N Ø4Ø-3ØE) ARE IN LATE STAGE OF CONSTRUCTION. LAUNCH AREA B (56-56N Ø4Ø-34E) APPEARS TO BE IN AN EARLY STAGE OF CONSTRUCTION. |
| REEXAMINATION OF PREVIOUS COVERAGE INDICATES THAT THE COMPLEX SUPPORT FACILITY APPEARED ON (AUG-SEP 61). ADJOINING AREAS WERE CLOUD COVERED. ON (DEC 61). THE SUPPORT FACILITY, TRANSFER POINT, LAUNCH AREA A AND THE ROAD TO LAUNCH AREA B WERE VISIBLE. CONSTRUCTION PROGRESS IS NOTICEABLE FROM THE PATTERN FOR LAUNCH AREA B BECAME APPARENT IN THIS 3-MONTH INTERVAL. |
| TEYKOVO IS APPROXIMATELY 60 NM SSW OF KOSTROMA AND APPROXIMATELY 17 NM WSW OF IVANOVO- LAUNCH AREA A - LAUNCH AREA B - SUPPORT AREA - TRANSFER POINT - |
| BONUS 2. SHEVELO MRBM LAUNCH SITE NO 1 NEWLY IDENTIFIED |
| RECTANGULAR LAUNCH SITE 5.5 NM NORTH OF ASANOVSHCHINA LAUNCH SITE NO 1. IT APPEARS COMPLETE AND IS SERVED BY GOOD ROADS LEADING SOUTH 18 NM TO OSTROV. THE SMALL VILLAGE OF SHEVELO GAN BE REACHED INDIRECTLY BY ROAD VIA A FERRY OR BRIDGE AGROSS THE VELIKAYA RIVER. |
| BONUS 3. 5904N 02403E RISTA MRBM SITE NEWLY IDENTIFIED |
| RECTANGULAR MRBM SITE 4.2 NM NORTH OF RISTA, AT 59-04-00N 024-03-00E. |
| BONUS 4. 5455N Ø73Ø1E OMSK SAM SITE NEWLY IDENTIFIED |

| @72 <u>~</u> @1 | |
|--|---|
| | AIRCRAFT |
| | 5023N 11627E BORZYA AIRFIELD |
| CONSIS ORIENT LENGTH | IMATELY 5 NM WNW OF BORZYA AT 50-24N 116-22E. RUNWAY PATTER TS OF ONE RUNWAY APPROXIMATELY 11:000 FT LONG AND 235 FT WID ED E/W; AND ONE PROBABLE RUNWAY APPROXIMATELY 9:000 FT IN ORIENTED ENE/WSW. SNOW COVER AND SMALL SCALE PRECLUDE POSITIVE FICATION OF AIRCRAFT. |
| | 1. 5220N 11650E NIKOLAYEVSKOYE AREA, NEW AIRFIELD |
| EAST O | FT NW/SE RUNWAY. EXTENSIVE RAIL—SERVED SUPPORT FACILITIES F THE RUNWAY. PROBABL FT PARKED BETWEEN RUNWAY AND SUPPORT FACILITIES CANNOT BE FIED AS TO NUMBER AND TYPE. |
| | |
| BONUS | 2. 5045N 11615E KHADA BULAK STATION NORTH |
| 58 AS RUNWAY 190 FT RUNWAY THE TW AREA L FACILI PROBAB 1,760 | IMATELY 7 NM NW OF KHADA BULAK. LISTED IN ASSOTW; VOL 39; C SOD LANDING AREA. PRESENT STATUS IS AS FOLLOWS — MAIN NW/SE APPROXIMATELY 8;900 X 240 FT. SECONDARY RUNWAY 6:400 E/W BEGINNING JUST EAST OF SE END OF MAIN RUNWAY. THE TWO S ARE CONNECTED BY A TAXIWAY. PARKING APRON LOCATED WEST OF O RUNWAYS AND CONNECTED BY TAXIWAYS ON EITHER END. SUPPORT OCATED APPROXIMATELY 6;000 FT WEST OF PARKING APRON. LARGE TY LOCATED ACROSS THE RAILROAD AND HIGHWAY TO THE SW IS LY ASSOCIATED WITH THE AIRFIELD. TWO PROBABLE BUILDINGS X 80 FT; APPROXIMATELY 4 NM SOUTH OF AND CONNECTED BY ROAD T RGE FACILITY. |
| | |
| SECTIO | N 2. TARGETS NOT OBSERVED BECAUSE OF CLOUD COVER |

| 675ØN | 17848W | TULTIN SUSPECT MRBM AREA |
|-----------|---------|--|
| 4837N | Ø2218E | UZHGOROD/PERECHIN SUSPECT MRBM AREA |
| | Ø2231E | BEREGOVO MRBM LAUNCH SITE NO 2 |
| | | (MUKACHEVO MRBM LAUNCH AREA 1) |
| 4932N | Ø225ØE | KHYROV/SAMBOR SUSPECT MRBM AREA |
| 405 QN | 02230E | KRAKOVETS/YAVOROV SUSPECT MRBM AREA |
| | Ø2643E | |
| TODIN | 020436 | (DUNAYEVTSY MRBM LAUNCH AREA) |
| | Ø293ØE | GRANOV MRBM LAUNCH SITE |
| 4020N | 02930C | (GRANOV MRBM LAUNCH AREA) |
| 400 m N | 43434E | NADVORNAYA SUSPECT MRBM AREA |
| | Ø2436E | |
| | Ø3322E | YEVPATORIYA SUSPECT MRBM AREA |
| | Ø2631E | OSTROG/PLUZHNOYE AREA SUSPECT MRBM AREA |
| 5Ø45N | Ø2559E | KLEVEN SUSPECT MRBM AREA |
| 5120N | Ø2636E | SARNY/KLESOV SUSPECT MRBM AREA |
| | | SHEPETOVKA SUSPECT MRBM AREA |
| 5052N | Ø2819E | KOROSTEN MRBM LAUNCH SITE |
| | | (KOROSTEN MRBM LAUNCH AREA) |
| 4839N | Ø2442E | PARYSHCHE MRBM LAUNCH SITE NO 1 |
| | | (NADVORNAYA MRBM LAUNCH AREA 1) |
| 482ØN | Ø2238E | BEREGOVO MRBM LAUNCH SITE NO 3 |
| | | (MUKACHEVO MRBM LAUNCH AREA 2) |
| 5433N | Ø2657E | KURENETS SUSPECT MRBM AREA |
| | | KULDIGA SUSPECT MRBM AREA |
| | Ø3911E | VORONEZH SUSPECT MRBM AREA |
| | Ø2816E | ZHITOMIR MRBM LAUNCH SITE |
| J 2 | | (GODYKHA MRBM LAUNCH AREA) |
| 5119N | Ø2811E | OLEVSK MRBM LAUNCH SITE NO 2 |
| | | (USOVO MRBM LAUNCH AREA 2) |
| 5 0 2 7 N | 02415E | ROVNO SUSPECT MRBM AREA |
| | | KORETS SUSPECT MRBM AREA |
| | Ø2617E | SMORGON MRBM LAUNCH SITE NO 1 |
| 2432N | D2011L | (SOLY MRBM LAUNCH AREA) |
| C0011 | #24.40E | |
| 2231N | Ø24Ø9E | PRUZHANY MRBM LAUNCH SITE NO 1 (PRUZHANY MRBM LAUNCH AREA 1) |
| | | • |
| 5916N | Ø2558E | TAPA SUSPECT MISSILE AREA |
| 4835N | Ø4545E | KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER |
| 5749N | 162Ø4E | UKA/PESCHANYY SUSPECT MISSILE AREA |
| | | DNEPROPETROVSK MOTOR VEHICLE PLANT 3 (DAZ) |
| | Ø3515E | NOVOMOSKOVSK POSSIBLE MISSILE TEST AREA |
| | Ø5938E | ZLATOUST ARMAMENTS PLANT 66 |
| 4251N | 13121E | SLAVYANKA SUSPECT MRBM AREA |
| | 12139E | DAIREN SUSPECT MISSILE AREA (CHINA) |
| | Ø3418E | NOVO DUGINO SUSPECT MISSILE AREA |
| | 12024E | SHA-CHENG-CHIANG SUSPECT MISSILE AREA (CHINA) |
| | 11941E | SAN-TU-TAO SUSPECT MISSILE AREA (CHINA) |
| | Ø2443E | KOVEL SUSPECT MISSILE AREA |
| 1 | Ø2233E | MUKACHEVO MISSILE SUPPORT AREA |
| | 12114E | LU-SHUN SUBMARINE BASE (CHINA) |
| 204111 | | काल क्रांतकार कार्यकारामाधास्त्रात्वास <u>्त्र</u> कारायाल है जात्वासामा |

4354N 1353ØE VLADIMIR SUBMARINE BASE 5502N 08256E NOVOSIBIRSK SUSPECT ABM AREA 5311N Ø5ØØ7E KUYBYSHEV SUSPECT ABM AREA KAZAN SUSPECT ABM AREA 5548N Ø49Ø5E 5032N 07912E DOLON AIRFIELD 511ØN 12826E UKRAINA AIRFIELD LEI YANG AIRFIELD (CHINA) 2628N 11252E 3417N 10815E WU-KUNG AIRFIELD (CHINA) 5552N Ø49Ø8E KAZAN AIRFRAME PLANT GORBUNOV 22

2112N 11024E CHAN CHIANG/TSAMKONG NAVAL BASE (CHINA)
HAINAN NORTH COAST AREA (CHINA)

3032N 11417E WU-CHANG SHIPYARD (CHINA)

SECTION 3. TARGETS NOT COVERED BY THE PHOTOGRAPHY

CHULYM SUSPECT ICBM AREA 551ØN Ø8Ø15E MEGET/TELMA SUSPECT ICBM AREA 5224N 10403E 5007N 12927E ZAVITAYA SUSPECT ICBM AREA BLAGOVESHCHENSK SUSPECT ICBM AREA 5016N 12732E BELAYA SUSPECT ICBM AREA 5252N 10328E 5044N 12843E VOZZHAYEVKA SUSPECT MISSILE AREA SOFIYE ALEKSEYEVSKOYE MRBM LAUNCH SITE NO 1 4416N 13123E (BARANO ORENBURGSKOYE MRBM LAUNCH AREA 1) SOFIYE ALEKSEYEVSKOYE MRBM LAUNCH SITE NO 2 4420N 13130E (BARANO ORENBURGSKOYE MRBM LAUNCH AREA 2) LYALICHI (KREMOVO) POSS MRBM LAUNCH SITE NO 1 44ØIN 13226E NOVAYA SYSOYEVKA PROB MRBM LAUNCH SITE 4411N 13333E 4307N 13308E SUCHAN SUSPECT MRBM AREA YEKATERINOVKA SUSPECT MRBM AREA 4255N 133Ø2E NOVOLITOVSK SUSPECT MRBM AREA 4255N 13248E KARANGIT SUSPECT MISSILE TEST AREA 4502N Ø3552E 4048N 04350E LENINAKAN/YEREVAN SUSPECT MRBM AREA 5137N Ø3328E KROLEVETS MRBM LAUNCH SITE (KROLEVETS MRBM LAUNCH AREA) 4011N 04430E YEREVAN SUSPECT MRBM AREA 5034N 03428E LEBEDIN SUSPECT MISSILE AREA TEIN TSUNG TA WAN MISSILE TEST CENTER (CHINA) 4107N 10020E TU-KO-MA-CHIANG POSS MSLE PROP TEST FAC (CHINA) 4051N 10941E 5801N 05614E PERM MISSILE PRODUCTION SEARCH 4545N 12639E HARBIN SUSPECT MISSILE AREA (CHINA) BRZEG (BRIEG) SUSPECT MISSILE AREA (POLAND) 5051N 01728E 5056N 01515E NOVE MESTO POD SUSPECT MISSILE AREA (CZECH)



| 3451N 11421E | KAI-FENG MISSILE-RELATED ACTIVITY (CHINA) |
|--------------|---|
| 3225N 1114ØE | LAO-HO-KOU MISSILE-RELATED ACTIVITY (CHINA) |
| 3301N 11231E | NAN-YANG MISSILE-RELATED ACTIVITY (CHINA) |
| 2249N 1Ø819E | NAN-NING TO DONG DANG RAIL SEARCH (CHINA) |
| 2502N 10242E | KUN-MING TO LAO-KAY RAIL SEARCH (CHINA) |
| 5255N 1583ØE | PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE |
| 4306N 13155E | VLADIVOSTOK SUSPECT ABM AREA |
| 4714N Ø3942E | ROSTOV SUSPECT ABM AREA |
| 3824N 11655E | TSANG HSIEN AIRFIELD (CHINA) |
| | |

KHUTOR INTERFEROMETER STATION 53Ø9N 15823E PARATUNKA INTERFEROMETER STATION 5257N 15814E TANG-CHIA MILITARY ACTIVITY (CHINA) 2222N 11335E NING-MING, TRANSSHIPMENT POINT (CHINA) 2212N 10705E NAN-NING COMPLEX (CHINA) 2249N 10819E KUN-MING COMPLEX (CHINA) 2504N 10241E 2307N 11315E CANTON COMPLEX (CHINA) PEIPING COMPLEX (CHINA) 3945N 11624E