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NPIC/R-161/62
December 1962

PHOTOGRAPHIC INTERPRETATION REPORT

~~TOP SECRET~~
OAKRIDGE
MISSION 902

24-29 NOVEMBER 1962



ARMY



NAVY



AIR FORCE



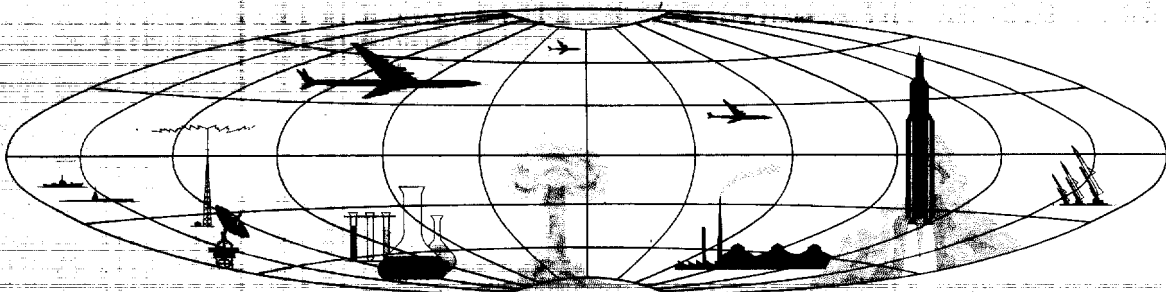
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



TOP SECRET

GROUP 1
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OAK-PART II MISSION 9048

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT BASED ON MISSION 9048 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1500 HOURS, 4 DECEMBER 1962, TO 1600 HOURS, 5 DECEMBER 1962.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY (BONUS TARGETS) OBSERVED FOLLOW APPROPRIATE COMOR TARGETS. IN ADDITION, THIS REPORT CONTAINS AN INDEX OF ALL THE COMOR TARGETS ASSIGNED FOR THE OAK SCAN OF MISSION 9048. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED FOLLOW THE DESCRIPTION OF THE TARGET. PHOTOGRAPHIC PASS NUMBERS ARE PREFIXED WITH THE LETTER 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 FOLLOWING 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 PHOTOGRAPHY FROM MISSION 9048 WAS 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.

25X1C

Approved For Release 2000/05/09 : CIA-RDP78B04560A000300010052-8

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SUMMARY

STATUS OF COMOR TARGET READOUT --

A TOTAL OF 97 TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT.

HIGHLIGHTS IN OAK II

25X1A

██████████ NOVOSIBIRSK ICBM LAUNCH COMPLEX
THE ROAD SOUTH OF LAUNCH AREA A HAS BEEN EXTENDED AND NOW TERMINATES ABOUT 4.5 NM NE OF LAUNCH AREA A AT A GROUP OF 7 OR 8 BARRACKS-TYPE BUILDINGS THAT LOOK LIKE LAUNCH SUPPORT BUILDINGS.

25X1A

██████████ DROVYANAYA ICBM LAUNCH COMPLEX
REANALYSIS OF AN AREA PREVIOUSLY REFERRED TO AS GROUND SCARRING 10 NM SSE OF THE COMPLEX SUPPORT FACILITY REVEALS IT TO BE A PROBABLE TYPE-III LAUNCH AREA.

FIVE NEW SA-2 SAM SITES HAVE BEEN IDENTIFIED IN THE USSR, TWO NEAR VLADIVOSTOK, ONE AT BIRA, ONE AT BIROBIDZHAN, AND ONE NEAR SEMENOVKA.

TOP SECRET CHESS RUFF

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NPIC/R-161/62

-MISSILES-

25X1A

[REDACTED] SVOBODNY ICBM LAUNCH COMPLEX 5146N 12807E

25X1D

NO SIGNIFICANT CHANGES IN LAUNCH AREAS A, B, OR C SINCE MISSION [REDACTED] LAUNCH AREA D IS STILL IN AN EARLY STAGE OF CONSTRUCTION. THE FULL ROAD PATTERN IS STILL NOT EVIDENT, AND THE RIGHT MISSILE-READY BUILDING MAY BE UNDER CONSTRUCTION. ONE ROUND BLACK OBJECT IS OBSERVED IN EACH PAD AREA. AN OPEN TRENCH APPARENTLY RUNS BETWEEN THE TWO PAD AREAS.

25X2

25X1D

[REDACTED] AREA OR ROAD EAST FROM THE COMPLEX MAIN ROAD BETWEEN AREAS A AND B SINCE [REDACTED] HOWEVER, THERE IS A NEW ROAD RUNNING ABOUT 1,000 FEET SOUTH FROM THE EASTERN TERMINUS OF THE ROAD AND ENDING AT A LONG BUILDING NOT PRESENT ON [REDACTED]. THE AREA HAS NO CHARACTERISTICS OF A LAUNCH AREA.

25X1D

A ROAD OR SURVEY LINE (EXISTING ON MISSION [REDACTED] 25X1D [REDACTED] EXTENDS ABOUT ONE NM SSE FROM THE SHARP EASTWARD BEND IN THE COMPLEX MAIN ROAD SOUTH OF AREA B AND TERMINATES IN A WOODED AREA. NO ACTIVITY IS EVIDENT AT THE TERMINUS. NO CHANGE HAS OCCURRED IN THIS ROAD SINCE MISSION [REDACTED] IT WAS NOT PRESENT ON MISSION [REDACTED]

25X1D

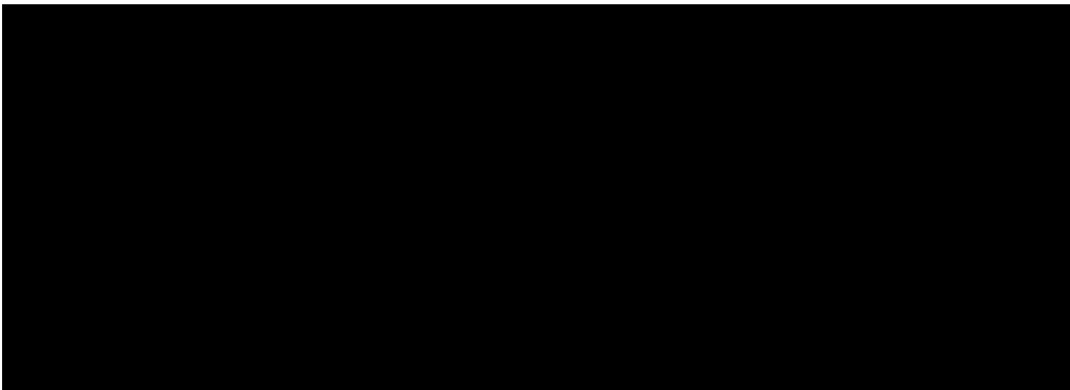
25X1D

25X1D

THE COMPLEX SUPPORT FACILITY AND TRANSFER POINT WERE NOT COVERED.

PHOTOGRAPHY COVERED ONLY THE NE PORTION OF THE 35 NM-RADIUS SEARCH AREA. NO NEW MISSILE ACTIVITY WAS SEEN.

25X1D



TOP SECRET CHESS RUFF

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NPIC/R-161/62

25X1D



25X1A

DROVYANAYA ICBM LAUNCH COMPLEX 5132N 11301E

REANALYSIS OF AN AREA PREVIOUSLY REFERRED TO AS AN AREA OF GROUND SCARRING, AT 51-23N 113-07E, 10 NM SSE OF THE COMPLEX SUPPORT FACILITY, HAS REVEALED IT TO BE A PROBABLE TYPE III LAUNCH AREA. THE ROAD TO THE AREA WAS SEEN ON MISSION [REDACTED] AT THE TIME OF INITIAL COMPLEX IDENTIFICATION. THE SCARRED AREA WAS SEEN ON MISSION [REDACTED] AND SUBSEQUENTLY ON MISSION [REDACTED]

25X1D

25X1D 25X1D

[REDACTED] THE EXTENT OF THE AREA HAS NOT INCREASED SINCE FIRST SEEN ON MISSION [REDACTED] BUT AN INCREASE IN SCARRING ON SUBSEQUENT MISSIONS AND A FAINT INDICATION OF A RECTANGULAR EXCAVATION ARE NOTED. AN IMPROVED SHORT SEGMENT OF THE SERVICE ROAD TO THE AREA HAS BEEN CONSTRUCTED SINCE [REDACTED] AT LEAST 4 BUILDINGS, 2,000 FEET NORTH OF THE AREA, ARE PROBABLY ASSOCIATED WITH CONSTRUCTION OR LAUNCH SUPPORT.

25X1D

25X1D

25X1D

LAUNCH AREA A, WITH A TYPE II MOD B CONFIGURATION, APPEARS TO BE IN LATE STAGE OF CONSTRUCTION. A DARK OBJECT IS IN THE CENTER OF EACH PAD, AND THE MISSILE-READY BUILDINGS, BOTH CANTED, ARE APPARENTLY PRESENT. SINCE MISSION [REDACTED] SERVICE-ROAD AND MINOR BUILDING CONSTRUCTION HAS INCREASED WITHIN THE LAUNCH AREA TO THE REAR OF THE READY BUILDINGS. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION.

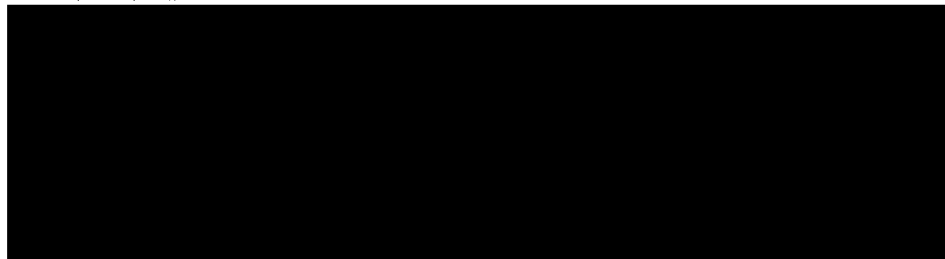
25X1D

A PROBABLE POWER TRACE, NOT PRESENT ON [REDACTED] EXTENDS ABOUT ONE NM IN A SOUTHWESTERLY DIRECTION FROM LAUNCH AREA A.

25X1D

NO APPARENT CHANGE IS NOTED IN THE TRANSFER POINT, COMPLEX SUPPORT FACILITY, OR ADJACENT HOUSING AREA. A SEARCH OF THE AREA REVEALED NO ADDITIONAL SIGNIFICANT FEATURES.

25X1D



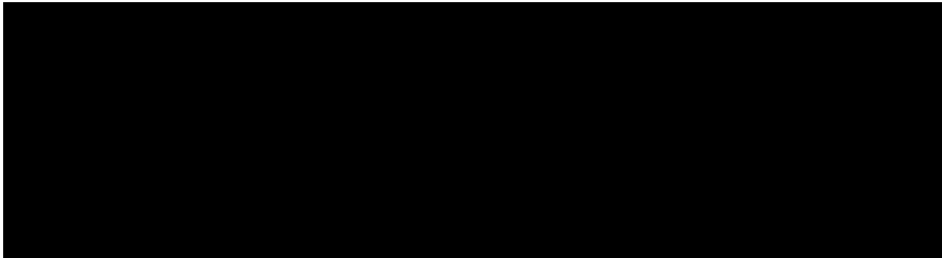
NPIC/R-161/62

25X1A

██████████ NOVOSIBIRSK ICBM LAUNCH COMPLEX 5516N 08257E

25X1D THE NEW ROAD SOUTH OF LAUNCH AREA A FIRST OBSERVED ON
MISSION ██████████ HAS BEEN EXTENDED AND NOW
TERMINATES ABOUT 4.5 NM NE OF LAUNCH AREA A AT A GROUP
25X1D OF 7 OR 8 BARRACKS-TYPE BUILDINGS THAT LOOK LIKE
LAUNCH-SUPPORT BUILDINGS. THE BUILDINGS WERE NOT
PRESENT ON ██████████. A CONTINUATION OF THE
COMPLEX MAIN ROAD EXTENDS ABOUT 3 NM NW OF LAUNCH
AREA B AND TERMINATES IN A WOODED AREA. NO SCARRING
IS EVIDENT AT THE TERMINUS. THIS ROAD HAS BEEN
25X1D PRESENT AND UNCHANGED SINCE ██████████
NO SIGNIFICANT CHANGES ARE APPARENT IN THE COMPLEX
SUPPORT FACILITY OR LAUNCH AREAS A, B, AND C ALTHOUGH
HAZE AND SNOW COVER PRECLUDE A DETAILED
INTERPRETATION.

25X1D

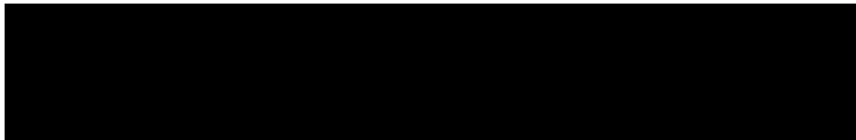


25X1A

██████████ ABAZA SUSPECT SSM AREA 5239N 09006E

A SEARCH WITHIN A 50-NM RADIUS OF THE TOWN OF ABAZA
FAILED TO REVEAL ANY SSM ACTIVITY. SOUTHERN HALF OF
SEARCH AREA WAS CLOUD COVERED. NO MISSILE ACTIVITY
IDENTIFIED IN CLOUD-FREE AREAS.

25X1D



25X1A

██████████ NERCHINSK SUSPECT SSM AREA 5158N 11635E

NO SSM ACTIVITY OBSERVED WITHIN VISIBLE PORTIONS OF
THE SEARCH AREA. THERE WAS NO PHOTOGRAPHIC COVERAGE
OF WESTERN QUARTER OF THE SEARCH AREA.

25X1D



25X1A

██████████ PIBANSHUR SUSPECT SSM AREA 5752N 05319E

NO MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
OF 50-NM RADIUS SEARCH AREA.
NORTHEASTERN QUADRANT CLOUD COVERED.

25X1D

25X1A

██████████ CHERNOGORSK SUSPECT SSM AREA 5352N 09120E

NO MISSILE ACTIVITY IDENTIFIED IN CLOUD-FREE PORTIONS
OF AREA WITHIN A 25-NM RADIUS OF CHERNOGORSK.
EAST HALF OF SEARCH AREA CLOUD COVERED.

25X1D

25X1A

██████████ BOLSHAYA YERBA SUSPECT SSM AREA 5402N 09033E

NO MISSILE ACTIVITY IDENTIFIED IN CLOUD-FREE PORTIONS
OF AREA WITHIN A 25-NM RADIUS OF BOLSHAYA YERBA.
EAST HALF OF SEARCH AREA CLOUD COVERED.

25X1D

25X1A

██████████ SOFIYE ALEKSEYEVSKOYE MRBM LAUNCH SITE 4415N 13123E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED WITHIN 25-NM
RADIUS. POOR IMAGE QUALITY LIMITS INTERPRETATION.

25X1D

25X1A

██████████ KARA-BABAU POSS MRBM LAUNCH SITE 2 4431N 07759E

THE KARA-BABAU POSSIBLE MRBM LAUNCH SITE UNDER
CONSTRUCTION, FIRST OBSERVED ON MISSION ██████████
IS NEGATED AS BEING A SOFT MRBM LAUNCH SITE, AND IS
NOW CONSIDERED BY A MAJORITY TO BE A SUSPECT HARDENED
IRBM LAUNCH SITE. CIA BELIEVES THIS TO BE A PROBABLE
HARDENED IRBM LAUNCH SITE.

25X1D

NPIC/R-161/62

A SEARCH WITHIN 25-NM RADIUS DID NOT REVEAL ANY
ADDITIONAL SSM ACTIVITY. HOWEVER, SNOW COVER
PRECLUDES A THOROUGH SEARCH.

25X1D

[REDACTED]

25X1D

[REDACTED]

25X1A

SAN CRISTOBAL MRBM SITE 1 (CUBA) 2240N 08317W
IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
DETAILED INTERPRETATION.

25X1D

[REDACTED]

SAN CRISTOBAL MRBM SITE 2 (CUBA) 2241N 08315W
IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
DETAILED INTERPRETATION.

25X1D

[REDACTED]

SAN CRISTOBAL MRBM SITE 3 (CUBA) 2242N 08308W
IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
DETAILED INTERPRETATION.

25X1D

[REDACTED]

GUANAJAY IRBM SITE 1 (CUBA) 2257N 08239W
IDENTIFICATION ONLY. SMALL SCALE PRECLUDES DETAILED
INTERPRETATION.

25X1D

[REDACTED]

SAN CRISTOBAL MRBM SITE 4 (CUBA) 2446N 08258W
IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
DETAILED INTERPRETATION.

25X1D

[REDACTED]

25X1A

GUANAJAY IRBM SITE 2 (CUBA) 2257N 08236W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES DETAILED INTERPRETATION.

25X1D

SARY SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

NO APPARENT SIGNIFICANT CHANGE IN VISIBLE PORTIONS, INCLUDING LAUNCH COMPLEX A (ONLY PARTLY COVERED), THE PRIMARY AIRFIELD AND DIRT STRIP, THE SUPPORT BASE, OR INSTRUMENTATION SITES 1-8 SINCE MISSION

25X1D

25X1D

THE AIRSTRIP, THE OPERATIONAL SAM LAUNCH SITE, AND PART OF THE SUPPORT AREA ARE BARELY DISCERNIBLE THROUGH THE CLOUDS AT LAUNCH COMPLEX A.

25X1D

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

ONLY SSM LAUNCH COMPLEX C AND A PORTION OF THE SAM INSTRUMENTATION NET WERE COVERED. NO APPARENT CHANGE SINCE

25X1D

25X1D

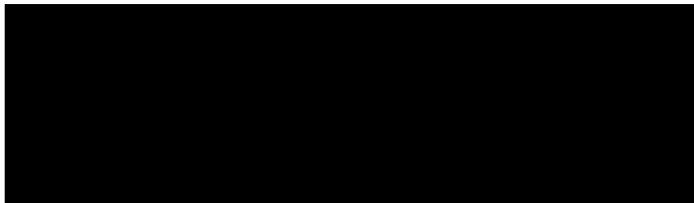
25X1D

KAMCHATKA PENINSULA SUSPECT ABM AREA 5600N 16000E

NO LARGE RADARS, ABM LAUNCH SITES, OR ABM INSTRUMENTATION OBSERVED. NO NEW COMMUNICATIONS FACILITIES OBSERVED. HEAVY SNOW IN AREA.

25X1D

25X1D



25X1A



KUYBYSHEV AIRFRAME PLANT STALIN 1 5313N 05018E

NO UNUSUALLY LONG RAIL CARS OR CONSTRUCTION ACTIVITY OBSERVED. AIRCRAFT COUNT IS INCORPORATED IN ITEM ON KUYBYSHEV AIRFRAME PLANT LENIN OR VOROSHILOV 18

25X1A



NO MISSILE-RELATED ACTIVITY NOTED.

25X1D



25X1A



KUYBYSHEV AIRFRAME PLANT LENIN 18 5313N 05019E

AIRCRAFT -- 9 MEDIUM AND ONE LARGE SWEEP-WING AIRCRAFT ON PARKING APRON ADJACENT TO PLANT. NO MISSILE-RELATED ACTIVITY OBSERVED. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION OF AIRCRAFT.

25X1D



25X1A



MEDVED SUSPECT MRBM AREA 5818N 03031E

NO MISSILE ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A 25-NM RADIUS OF MEDVED.

25X1D



STARAYA RUSSA SUSPECT MISSILE AREA 5800N 03123E

INCOMPLETE PHOTOGRAPHY AND CLOUD COVER PRECLUDE DETERMINATION OF MISSILE-RELATED ACTIVITY IN THE AREA.

25X1D



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25X1A

[REDACTED] LYALICHI SUSPECT SSM AREA 4401N 13226E

INSTALLATION CANNOT BE ASSOCIATED WITH ANY KNOWN MISSILE ACTIVITY. POOR IMAGE QUALITY LIMITS INTERPRETATION.

25X1D

[REDACTED]
KOMSOMOLSK SHIPYARD AMUR 199 5033N 13702E

NO VESSELS VISIBLE. LAUNCHING BASIN AND AMUR RIVER

[REDACTED] 25X2

[REDACTED] 25X2

25X1D

[REDACTED]
PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE 5255N 15830E

NO SUBMARINES OBSERVED AT SUBMARINE BASE OR ELSEWHERE IN PETROPAVLOVSK HARBOR. HARBOR FROZEN BUT ICE-FREE PATCHES BY PIERS. ONE UNIDENTIFIED VESSEL, AN ESTIMATED 400 FT LONG, AND AT LEAST 3 UNIDENTIFIED NAVAL VESSELS AT DESTROYER BASE. NO NAVAL MISSILE STORAGE IDENTIFIED.

25X1D

[REDACTED]
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 4306N 13156E

[REDACTED] 25X2

25X1D

NO MAJOR CHANGES TO BASE FACILITIES SINCE [REDACTED]

[REDACTED] 25X1D

APPROXIMATELY 100 VESSELS.

25X1D

[REDACTED]

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25X1A

[REDACTED] PROMYSLOVKA NAVAL COMPLEX 4300N 13220E

25X1D

PETROVKA SHIPYARD -- NO APPARENT CHANGE SINCE MISSION
VESSELS -- ONE POSSIBLE DESTROYER.

25X1D

25X1D

STRELOK STRAIT NAVAL BASE ANNA ZEMBRENY -- NO APPARENT
CHANGE SINCE [REDACTED] VESSELS -- AT
LEAST 2 UNIDENTIFIED VESSELS.

25X1D

25X1D

VOSTOK BAY NAVAL BASE LIVADIYA -- NO APPARENT CHANGE
SINCE MISSION [REDACTED] VESSELS -- NONE
OBSERVED.

25X1D

DUNAY NAVAL STORAGE PUTYATINA ISLAND -- EXTENSIVE NEW
BUILDING AREA UNDER CONSTRUCTION. VESSELS -- NONE
OBSERVED.

25X1D

25X1D

ABREK BAY NAVAL BASE PROMYSLOVKA -- NO APPARENT CHANGE
SINCE MISSION [REDACTED] VESSELS -- 2 PROBABLE
CRUISERS, 4 PROBABLE DESTROYERS, AND AT LEAST ONE
UNIDENTIFIED VESSEL.

25X1D

DUNAY NAVAL SUPPLY DEPOT NORTH -- NEW L-HEAD PIER.
VESSELS -- 2 UNIDENTIFIED VESSELS APPROXIMATELY
300 FT LONG, NESTED, 2 UNIDENTIFIED VESSELS
APPROXIMATELY 200 FT LONG, NESTED, AND AT LEAST
2 UNIDENTIFIED VESSELS 150-250 FT LONG.

25X1D

25X1D

DUNAY NAVAL MISSILE STORAGE -- NO APPARENT CHANGE
SINCE MISSION [REDACTED] NORTH GROUP
SECURED WITH 7 DISPERSED STORAGE-TYPE BUILDINGS.

25X1D

25X1A

[REDACTED] KOMSOMOLSK SUSPECT ABM AREA 5200N 13700E

NO ABM FACILITIES OBSERVED IN SEARCH AREA. HAZE
PRECLUDES DETAILED SEARCH.

25X1D

25X1A

FERGANA SUSPECT ABM AREA 4022N 07144E

A SEARCH OF CLEAR AREAS WITHIN A 25-NM RADIUS OF FERGANA REVEALED NO MISSILE-RELATED FACILITIES OR COMMUNICATIONS FACILITIES.

25X1D

SANTA LUCIA SAM SITE (CUBA) 2241N 08355W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES INTERPRETATION.

25X1D

LA COLOMA SAM SITE (CUBA) 2218N 08332W

IDENTIFICATION ONLY. SMALL SCALE OF PHOTOGRAPHY PRECLUDES INTERPRETATION.

25X1D

MARIEL SAM SITE (CUBA) 2300N 08249W

IDENTIFICATION ONLY. SMALL SCALE PHOTOGRAPHY PRECLUDES INTERPRETATION.

25X1D

MATANZAS SAM SITE (CUBA) 2301N 08129W

IDENTIFICATION ONLY. SMALL SCALE OF PHOTOGRAPHY PRECLUDES INTERPRETATION.

25X1D

25X1A

BAHIA HONDA SAM SITE (CUBA) 2257N 08317W

IDENTIFICATION ONLY. SMALL SCALE PHOTOGRAPHY
PRECLUDES INTERPRETATION.

25X1D

HAVANA EAST SAM SITE (CUBA) 2309N 08213W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
FURTHER INTERPRETATION.

25X1D

JIGUANI SAM SITE (CUBA) 2021N 07620W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
INTERPRETATION.

25X1D

SIGUANEA SAM SITE (CUBA) 2137N 08257W

IDENTIFICATION ONLY. SMALL SCALE OF PHOTOGRAPHY
PRECLUDES INTERPRETATION.

25X1D

MANZANILLO SAM SITE (CUBA) 2018N 07706W

THREE LAUNCH REVETMENTS, AND CENTRAL GUIDANCE
REVETMENT VISIBLE. NO OTHER FACILITIES DISCERNIBLE.

25X1D

SENADO SAM SITE (CUBA) 2136N 07733W

IDENTIFICATION ONLY. SMALL SCALE AND SCATTERED
CLOUDS PRECLUDE INTERPRETATION.

25X1D



25X1A



CHAMBAS SAM SITE (CUBA) : 2213N 07853W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
FURTHER INTERPRETATION.



25X1D

ESMERALDA SAM SITE (CUBA) : 2155N 07813W

AREA IDENTIFICATION ONLY. SMALL SCALE AND CLOUD
SHADOW PRECLUDE INTERPRETATION.



25X1D

SANTIAGO DE CUBA SAM SITE (CUBA) : 1959N 07550W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
INTERPRETATION.



25X1D

SANTIAGO DE CUBA SAM ASSEMBLY AREA (CUBA) : 2003N 07553W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES
INTERPRETATION.



25X1D

SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA (CU) : 2257N 08221W

IDENTIFICATION ONLY. SMALL SCALE PHOTOGRAPHY
PRECLUDES INTERPRETATION.



25X1D

25X1A

CIEGO DE AVILA SAM SITE (CUBA) : 2142N 07850W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES INTERPRETATION.

25X1A

25X1D

CIEGO DE AVILA SAM ASSEMBLY AREA (CUBA) : 2152N 07844W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES INTERPRETATION.

25X1D

VICTORIA DE LAS TUNAS SAM ASSEMBLY AREA (CU) : 2104N 07700W

IDENTIFICATION ONLY. CLOUD SHADOW AND SMALL SCALE PRECLUDE INTERPRETATION.

25X1D

SANTA LUCIA ALTERNATE SAM SITE (CUBA) : 2243N 08349W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES INTERPRETATION.

25X1D

MANZANILLO SAM ASSEMBLY AREA (CUBA) : 2018N 07706W

IDENTIFICATION ONLY. SMALL SCALE PRECLUDES INTERPRETATION.

25X1D

MALDONADO SAM SITE (CUBA) : 2012N 07528W

GUIDANCE AREA AND ONE LAUNCH POSITION PROBABLY

REVETTED. SMALL SCALE OF PHOTOGRAPHY PRECLUDES FURTHER INTERPRETATION.



NEWLY IDENTIFIED SAM SITES
THE FOLLOWING SA-2 SAM SITES IN THE USSR HAVE BEEN
NEWLY IDENTIFIED --

25X1D

BIRA SAM SITE 4859N 13227E
SW EDGE OF BIRA AT 48-59-██N 132-27-██E.
NEWLY IDENTIFIED, COMPLETED SA-2 SAM SITE.
PLOTTED ON USATC SERIES 200, SHEET 0203-20AL, 2D ED,
JAN 60.

25X1D



BIROBIDZHAN SAM SITE 4844N 13258E
3.75 NM SSE OF BIROBIDZHAN AT 48-44-00N 132-58-00E.
NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED.
PLOTTED ON USATC SERIES 200, SHEET 0203-25AL, 2D ED,
DEC 59.



SEMENOVKA SAM SITE 4350N 13316E
19 NM SOUTH OF SEMENOVKA AT 43-50-██N 133-16-00E.
NEWLY IDENTIFIED, COMPLETED SA-2 SAM SITE.
PLOTTED ON USATC SERIES 200, SHEET 0291-2AL, 2D ED,
JUL 61.

25X1D



VLADIVOSTOK SAM SITE 4245N 13221E
29.5 NM SE OF VLADIVOSTOK AT 42-45-██N 132-21-██E.
NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. LINK
CONFIGURATION. PLOTTED ON USATC SERIES 200,
SHEET 0291-6AL, 2D ED, AUG 61.

25X1D

25X1D



VLADIVOSTOK SAM SITE 4249N 13117E
32.5 NM SW OF VLADIVOSTOK AT 42-49-██N 131-17-00E.
NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. LINK
CONFIGURATION. PLOTTED ON USATC SERIES 200,
SHEET 0291-6AL, 2D ED, AUG 61.

25X1D

25X1D



-AIRFIELDS-

25X1A

ALEKSEYEVSKOYE AIRFIELD 4915N 14014E

AIRCRAFT -- NONE OBSERVED. AIRFIELD MOSTLY CLOUD COVERED. RUNWAY CLEARED OF SNOW. NO APPARENT CHANGE IN FACILITIES IN VISIBLE PORTIONS SINCE MISSION

25X1D



25X1D

25X1D



25X1A

HOLGUIN AIRFIELD (CUBA) 2048N 07618W

AIRCRAFT -- NONE OBSERVED. AIRFIELD PARTLY CLOUD-COVERED. RUNWAY APPEARS SERVICEABLE. NO DEFENSES OBSERVED.

25X1D



25X1A

SIGUANEA AIRFIELD (CUBA) 2138N 08257W

AIRCRAFT -- NONE OBSERVED. RUNWAY SERVICEABLE. NO DEFENSES NOTED. POOR IMAGE QUALITY PRECLUDES DETAILED INTERPRETATION.

25X1D



25X1A

ANTONIO MACEO AIRFIELD (CUBA) 1958N 07550W

AIRCRAFT -- NONE. NO APPARENT CHANGE IN FACILITIES SINCE MISSION RUNWAY SERVICEABLE. DEFENSES -- SEE SANTIAGO DE CUBA SAM SITE.

25X1D



25X1D

25X1D



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25X1A

[REDACTED] CORONEL PASCUAL AIRFIELD (CUBA) 2307N 08117W

AIRCRAFT -- NONE OBSERVED. RUNWAY APPEARS SERVICEABLE. NO DEFENSES NOTED.

25X1D

25X1A

[REDACTED] SAN ANTONIO DE LOS BANOS AIRFIELD (CUBA) 2252N 08231W

AIRCRAFT -- 7 POSSIBLE AIRCRAFT. RUNWAY SERVICEABLE. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1D

25X1A

[REDACTED] JOSE MARTI INTERNATIONAL AIRFIELD (CUBA) 2300N 08224W

AIRCRAFT -- TOTAL OF 17 STRAIGHT-WING UNIDENTIFIED AIRCRAFT, OF WHICH 3 APPEAR LARGE. RUNWAY SERVICEABLE. POOR IMAGE QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1D

25X1A

[REDACTED] CAMPO LIBERTAD AIRFIELD (CUBA) 2306N 08226W

AIRCRAFT -- NONE OBSERVED. NO INDICATIONS OF MISSILE ACTIVITY OBSERVED WITHIN A 10-NM RADIUS OF CAMPO LIBERTAD AIRFIELD.

25X1D

25X1A

[REDACTED] MARIEL NAVAL AIR STATION (CUBA) 2300N 08246W

NO AIRCRAFT OR DEFENSES NOTED. RUNWAY SERVICEABLE. POOR IMAGE QUALITY PRECLUDES DETAILED INTERPRETATION.

25X1D

[REDACTED]

RADIUS OF AIRFIELD.

25X1D



25X1A



PUKCHANG-NI AIRFIELD (NORTH KOREA) 3929N 12558E

AIRCRAFT -- NONE OBSERVED.
ONE 8,200 X 230 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.
ONE 7,400 X 150 FT E/W SNOW-COVERED RUNWAY, PROBABLY
SERVICEABLE, LOCATED 4,000 FT SOUTH OF FIRST RUNWAY.
NO DEFENSES OR SAM SITES OBSERVED.



25X1D

SAAMCHAN AIRFIELD (NORTH KOREA) 3945N 12554E

AIRCRAFT -- NONE OBSERVED.
8,200 X 250 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE
(PARTIALLY SNOW COVERED). NO SAM SITES OR DEFENSES
OBSERVED.



25X1D

HAMHUNG WEST AIRFIELD (NORTH KOREA) 3957N 12728E

NO AIRFIELD DISCERNIBLE THROUGH LIGHT SNOW COVER.



25X1D

PYONGYANG MAIN AIRFIELD (NORTH KOREA) 3901N 12546E

AIRFIELD APPEARS ABANDONED. NO SAM SITES OR OTHER
DEFENSES OBSERVED WITHIN A 5-NM RADIUS OF AIRFIELD.



25X1D

WONSAN AIRFIELD (NORTH KOREA) 3909N 12729E

AIRCRAFT -- NONE OBSERVED.
6,600 X 160 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
NO SAM SITES OR OTHER DEFENSES OBSERVED WITHIN A 5-NM

RADIUS OF AIRFIELD.

25X1D

25X1A

[REDACTED]

HWANGJU 2 AIRFIELD (NORTH KOREA) 3838N 12547E

AIRCRAFT -- NONE OBSERVED.
7,000 X 140 FT WNW/ESE CONCRETE RUNWAY, SERVICEABLE.
NO SAM SITES OR OTHER DEFENSES OBSERVED WITHIN
5-NM RADIUS OF AIRFIELD.

25X1D

[REDACTED]

NAMSI AIRFIELD (NORTH KOREA) 3955N 12512E

AIRCRAFT -- NONE OBSERVED.
AIRFIELD APPEARS TO BE IN CARETAKER STATUS. RUNWAY
SERVICEABLE. NO DEFENSES OR SAM SITES OBSERVED.

25X1D

[REDACTED]

PYONG-NI AIRFIELD (NORTH KOREA) 3924N 12553E

AIRCRAFT -- NONE OBSERVED.
6,550 X 200 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.
NO SAM SITES OR OTHER DEFENSES OBSERVED WITHIN A 5-NM
RADIUS OF AIRFIELD.

25X1D

[REDACTED]

ONJONG-NI AIRFIELD (NORTH KOREA) 3854N 12514E

AIRCRAFT -- NONE OBSERVED.
6,600 X 200 FT N/S CONCRETE RUNWAY, SERVICEABLE.
NO SAM SITE OR OTHER DEFENSES OBSERVED WITHIN A 5-NM
RADIUS OF AIRFIELD.

25X1D

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25X1A

SINANJU AIRFIELD (NORTH KOREA) 3931N 12532E

AIRCRAFT -- NONE OBSERVED.
RUNWAY CRATERED, UNSERVICEABLE. REMAINDER OF
AIRFIELD UNDER CULTIVATION. NO SAM SITES OR
DEFENSES OBSERVED.

25X1D

TAECHON AIRFIELD (NORTH KOREA) 3954N 12529E

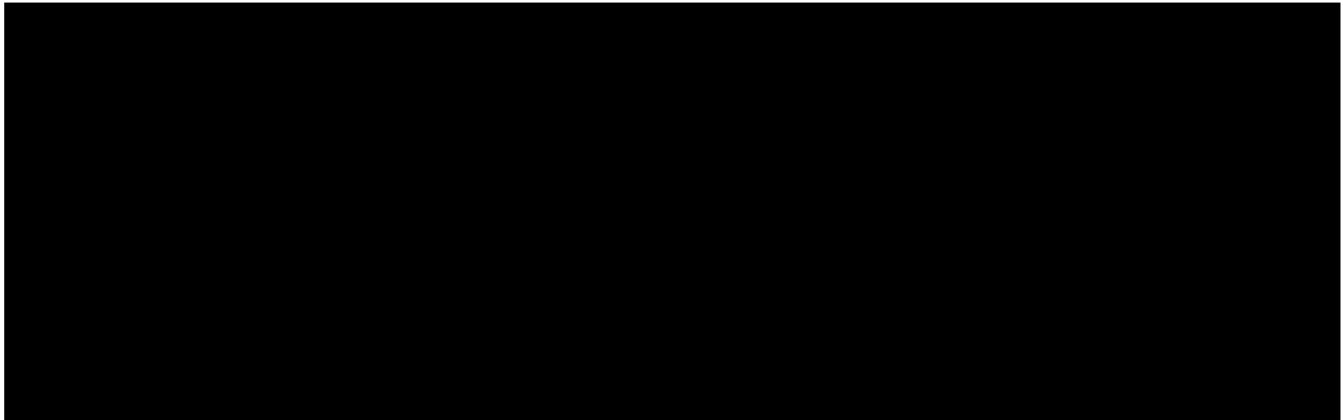
AIRCRAFT -- NONE OBSERVED.
RUNWAY CONDITION UNDETERMINED (POSSIBLY SNOW-COVERED).
NO DEFENSES OR SAM SITES OBSERVED.

25X1D

25X2

25X2

NPIC/R-161/62



25X1A

-PORTS-



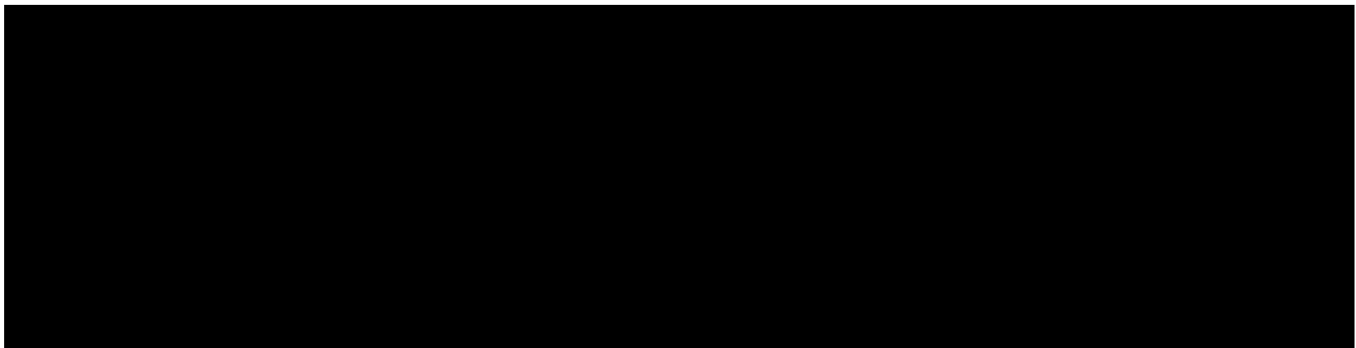
WONSAN PORT (NORTH KOREA) 3910N 12726E

NO VESSELS IN PORT. SMALL SCALE AND HAZE PRECLUDE
FURTHER INTERPRETATION.

25X1D



25X2



25X1A

-ELECTRONICS-



MARKOVO SUSPECT ELECTRONICS FACILITY 6440N 17025E

NO ELECTRONICS FACILITIES OBSERVED WITHIN A 50-NM
RADIUS OF MARKOVO.

25X1D



25X1A

[REDACTED] GOLENKI INTERFEROMETER SITE 4403N 13145E

NO FACILITIES WHICH MIGHT BE CONSTRUED TO BE COMPONENTS OF A SATELLITE-TRACKING STATION WERE OBSERVED ON CLOUD-FREE PHOTOGRAPHY WITHIN A 50-NM RADIUS OF GOLENKI.

25X1D

25X1A

-COMPLEXES-

[REDACTED] NAMCHONJOM COMPLEX (NORTH KOREA) 3820N 12624E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS OF THE COMPLEX.

25X1D

[REDACTED] CHINNAMPO COMPLEX (NORTH KOREA) 3844N 12524E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS OF CHINNAMPO.

25X1D

[REDACTED] WONSAN COMPLEX (NORTH KOREA) 3909N 12727E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS OF THE COMPLEX.

25X1D

[REDACTED] SUNCHON COMPLEX (NORTH KOREA) 3925N 12556E

NO SAM-RELATED ACTIVITY NOTED WITHIN A 10-NM RADIUS OF SUNCHON.

25X1D

25X1A

KOWON COMPLEX (NORTH KOREA) 3926N 12715E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS
OF KOWON.

25X1D

CHONGJU COMPLEX (NORTH KOREA) 3941N 12513E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS
OF THE COMPLEX.

25X1D

KAECHON COMPLEX (NORTH KOREA) 3942N 12554E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS
OF THE COMPLEX.

25X1D

SINUIJU COMPLEX (NORTH KOREA) 4006N 12424E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS
OF THE COMPLEX.

25X1D

MANPOJIN COMPLEX (NORTH KOREA) 4109N 12618E

NO SAM-RELATED ACTIVITY OBSERVED WITHIN A 10-NM RADIUS
OF MANPOJIN.

25X1D

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 9048. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 9048 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.

25X1A

COMOR	INSTALLATION NAME	COORDINATES	OAK
	POLYARNYY URAL SUSPECT ICBM AREA	6703N 06524E	NC
	PLESETSK ICBM LAUNCH COMPLEX	6252N 04040E	NO
	YURYA ICBM LAUNCH COMPLEX	5903N 04919E	I
	VERKHNYAYA SALDA ICBM LAUNCH COMPLEX	5802N 06023E	I
	TYURA TAM MISSILE TEST CENTER	4550N 06318E	I
	YOSHKAR-OLA ICBM LAUNCH COMPLEX	5634N 04803E	NO
	SVOBODNYY ICBM LAUNCH COMPLEX	5146N 12807E	II
	DROVYANAYA ICBM LAUNCH COMPLEX	5132N 11301E	II
	KOSTROMA ICBM LAUNCH COMPLEX	5750N 04115E	NO
	ITATKA ICBM LAUNCH COMPLEX	5650N 08536E	NO
	SHADRINSK ICBM LAUNCH COMPLEX	5605N 06338E	NO
	OMSK ICBM LAUNCH COMPLEX	5503N 07330E	I
	PERM ICBM LAUNCH COMPLEX	5742N 05619E	NO
	TEYKOVO ICBM LAUNCH COMPLEX	5652N 04035E	NO
	NYANDOMA POSSIBLE ICBM LAUNCH COMPLEX	6139N 04010E	NO
	TYUMEN ICBM LAUNCH COMPLEX	5652N 06552E	NO
	YEDROVO ICBM LAUNCH COMPLEX	5751N 03341E	NO
	BELOGORSK SUSPECT SSM AREA	5055N 12828E	NC
	GLADKAYA ICBM LAUNCH COMPLEX	5605N 09212E	NO
	BRATSK SUSPECT SSM AREA	5605N 10148E	NC
	RZHEV SUSPECT SSM AREA	5615N 03420E	NO
	SVERDLOVSK SUSPECT SSM AREA	5650N 06037E	NO
	NOVOSIBIRSK ICBM LAUNCH COMPLEX	5516N 08257E	II
	VELSK SUSPECT ICBM AREA	6105N 04207E	NO
	KANDALAKSHA SUSPECT SSM AREA	6709N 03225E	NC
	MURMANSK SUSPECT SSM AREA	6858N 03305E	NC
	VOLOGDA SUSPECT SSM AREA	5913N 03954E	NO
	SHAKHUNYA SUSPECT SSM AREA	5740N 04637E	NO
	BEZHETSK SUSPECT SSM AREA	5747N 03641E	NO
	KIMRY SUSPECT SSM AREA	5652N 03721E	NO
	KOLOZERO SUSPECT ICBM AREA	6810N 03320E	NC
	KOZELSK ICBM LAUNCH COMPLEX	5357N 03548E	NC
	PETROPAVLOVSK SUSPECT SSM AREA	5452N 06906E	I
	KHANTY MANSIYSK SUSPECT SSM AREA	6101N 06902E	NC
	ABAZA SUSPECT SSM AREA	5239N 09006E	II

25X1A

NERCHINSK SUSPECT SSM AREA	5158N 11635E	II
PIBANSHUR SUSPECT SSM AREA	5752N 05319E	II
CHERNOGORSK SUSPECT SSM AREA	5352N 09120E	II
BOLSHAYA YERBA SUSPECT SSM AREA	5402N 09033E	II
KOLMAKOVO SUSPECT SSM AREA	5338N 09229E	NO
MALINOVKA SUSPECT SSM AREA	5310N 09335E	NO
KHILOK SUSPECT INSTALLATION	5122N 11040E	NO
SOVETSKAYA GAVAN SUSPECT MRBM AREA	4859N 14020E	I
SOFIYE ALEKSEYEVSKOYE MRBM LAUNCH SITE	4415N 13123E	II
LYALICHI SUSPECT SSM AREA	4401N 13226E	I
NOVOSYSOYEVKA MRBM LAUNCH SITE	4411N 13333E	I
NOVITSKOYE MRBM LAUNCH SITE	4301N 13317E	I
KARANGIT POSSIBLE CRUISE-MISSILE LAUNCH SITE	4502N 03557E	NC
TALLINN SUSPECT MRBM AREA	5924N 02444E	NC
GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E	NO
MUKACHEVO MRBM LAUNCH SITE 1	4819N 02231E	NC
KAMENETS-PODOLSKIY MRBM LAUNCH SITE	4851N 02642E	NO
GRANOV MRBM LAUNCH SITE	4856N 02930E	NO
LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E	NC
KIVERTSY MRBM LAUNCH SITE 1	5052N 02531E	NO
SLAVSK MRBM LAUNCH SITE 2	5459N 02129E	NO
ZNAMENSK MRBM LAUNCH SITE 1	5433N 02112E	NO
GUSEV MRBM LAUNCH SITE 1	5441N 02206E	NO
OVRUCH MRBM LAUNCH SITE 1	5116N 02815E	NO
KOROSTEN MRBM LAUNCH SITE 1	5051N 02819E	NO
YELSK MRBM LAUNCH SITE 1	5142N 02913E	NC
BALTA MRBM LAUNCH SITE 1	4802N 02933E	NO
BORKHOV MRBM LAUNCH SITE 1	5219N 03041E	NO
PAPLAKA MRBM LAUNCH SITE 1	5622N 02117E	NO
MOLODETSKOYE MRBM LAUNCH SITE	4853N 03027E	NO
TORVA MRBM LAUNCH SITE 2	5759N 02606E	NC
KURENETS SUSPECT MRBM AREA	5433N 02657E	NC
ASANOVSHCHINA MRBM LAUNCH SITE	5731N 02813E	NC
JONAVA MRBM LAUNCH SITE 1	5501N 02414E	NC
RUSKI MRBM LAUNCH SITE 1	5725N 02650E	NC
POLOTSK MRBM LAUNCH SITE 1	5523N 02843E	NC
VORU MRBM LAUNCH SITE 2	5749N 02651E	NC
IVANOV MRBM LAUNCH SITE	5210N 02541E	NO
DISNA MRBM LAUNCH SITE	5535N 02816E	NC
VEPRIAI MRBM LAUNCH SITE	5508N 02438E	NC
KURGANCHA MRBM LAUNCH SITE 1	3937N 06557E	NC
SIMUNA MRBM LAUNCH SITE	5908N 02626E	NC
KROLEVETS MRBM LAUNCH SITE 1	5136N 03328E	NC
PRUZHANY MRBM LAUNCH SITE 1	5230N 02408E	NO
GRESK MRBM LAUNCH SITE 1	5314N 02742E	NC
KOZYANY MRBM LAUNCH SITE	5521N 02652E	NC
YEREVAN SUSPECT MRBM AREA	4011N 04430E	NC
LEBEDIN MRBM LAUNCH SITE 1	5033N 03426E	NC
TAPA SUSPECT MISSILE AREA	5916N 02558E	NO

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25X1A

RAGNIT MRBM LAUNCH SITE	5502N 02211E	NO
LIDA MRBM LAUNCH SITE 1	5347N 02521E	NC
VSELYUB MRBM LAUNCH SITE 1	5346N 02542E	NC
DYATLOVO MRBM LAUNCH SITE	5333N 02516E	NO
BYTEN MRBM LAUNCH SITE 1	5252N 02521E	NO
ANASTASYEVKA MRBM LAUNCH SITE 1	4834N 13538E	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
KRUPA MRBM LAUNCH SITE 1	5248N 02442E	NO
BORKOVICHI MRBM LAUNCH SITE	5541N 02827E	NC
KARA-BABAU POSS MRBM LAUNCH SITE 2	4431N 07759E	II
AKHTYR MRBM LAUNCH SITE 1	5015N 03450E	NC
BREST MRBM LAUNCH SITE 1	5149N 02401E	NO
ZHMERINKA MRBM LAUNCH SITE	4910N 02804E	NO
ZHITOMIR MRBM LAUNCH SITE 1	5004N 02816E	NO
LIPNIKI POSSIBLE MRBM LAUNCH SITE	5112N 02826E	NO
PETRIKOV MRBM LAUNCH SITE	5210N 02834E	NC
KIVERTSY MRBM LAUNCH SITE 3	5058N 02539E	NO
GRODNO SUSPECT MRBM AREA	5339N 02350E	NO
VE CZVARDE SUSPECT SSM AREA	5634N 02240E	NC
NIGRANDE MRBM LAUNCH SITE	5631N 02202E	NO
KUSHKA SUSPECT SSM AREA	3516N 06224E	NC
RISTI MRBM LAUNCH SITE 2	5906N 02406E	NC
KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1	5210N 02751E	NC
BERDICHEV MRBM LAUNCH SITE	5006N 02822E	NO
SHCHUCHIN SUSPECT MRBM AREA	5336N 02445E	NO
NAVOY SUSPECT MRBM AREA	4009N 06522E	NC
LEJASCIEMS MRBM LAUNCH SITE	5721N 02644E	NC
TAURAGE MRBM LAUNCH SITE 3	5505N 02219E	NC
MARIJAMPOLE SUSPECT MRBM AREA	5433N 02321E	NO
SVISLOCH SUSPECT MRBM AREA	5326N 02859E	NC
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13344E	NC
UGOLNYY MRBM LAUNCH SITE	6446N 17758E	NC
URECHYE MRBM LAUNCH SITE	5311N 02758E	NO
TIKSI SUSPECT SSM SITE	7138N 12852E	NC
KURDZHIPS KAYA MRBM LAUNCH SITE	4431N 04000E	NC
VENTSPILS SUSPECT MRBM SITE	5730N 02135E	NC
ROGAS SUSPECT MRBM SITE	5654N 02440E	NC
KRASKINO MRBM LAUNCH SITE	4244N 13040E	I
KAMENNY MOST HARDENED MRBM/IRBM LAUNCH SITE	4758N 03053E	NO
SAKI SUSPECT SSM AREA	4707N 03336E	NC
TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 1	6828N 03316E	NC
SKRUNDA HARDENED MRBM/IRBM LAUNCH SITE	5635N 02149E	NC
BULZHINO SUSPECT LAUNCH SITE	5615N 02819E	NC
DUBROVO HARDENED MRBM/IRBM LAUNCH SITE 1	5228N 03003E	NC
DUBROVO HARDENED MRBM/IRBM LAUNCH SITE 2	5228N 03004E	NC

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25X1A

GRANOV HARDENED MRBM/IRBM LAUNCH SITE	4849N 02930E	NO
SMORGON HARDENED MRBM/IRBM LAUNCH SITE	5426N 02618E	NC
SEMOVKA HARDENED MRBM/IRBM LAUNCH SITE	4758N 03059E	NO
TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 2	6830N 03323E	NC
BOLEKHOV HARDENED MRBM/IRBM LAUNCH SITE	4906N 02351E	NO
KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE	4924N 02708E	NO
STRYY HARDENED MRBM/IRBM LAUNCH SITE	4916N 02343E	NO
VLADIMIR VOLYNSKIY HARDENED MRBM/IRBM SITE	5048N 02442E	NO
GURELOVO HARDENED MRBM/IRBM LAUNCH SITE	5925N 02852E	NO
OTYNYA HARDENED MRBM/IRBM LAUNCH SITE	4848N 02450E	NO
ZEMAICIU KALVARIJA HARD MRBM/IRBM LAUNCH SITE	5601N 02153E	NO
BRODY HARDENED MRBM/IRBM LAUNCH SITE	5006N 02512E	NO
RUDNYA ZLOTINSKAYA HARD MRBM/IRBM LAUNCH SITE	5104N 02807E	NO
CHAADAYEVKA SUSP MISSILE-ASSOCIATED ACTIVITY	5307N 04602E	NO
LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE	5624N 02336E	NC
IECAVA HARDENED MRBM/IRBM LAUNCH SITE	5633N 02420E	NC
SHESTOVO HARDENED MRBM/IRBM LAUNCH SITE 1	6257N 04012E	NO
SHESTOVO HARDENED MRBM/IRBM LAUNCH SITE 2	6258N 04011E	NO
LITOVKO SUSPECT SSM AREA	4925N 13515E	I
KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N 04545E	NC
SARY SHAGAN ANTIMISSILE TEST CENTER	4602N 07334E	II
SHUANG-CHENG-TZU MISSILE CENTER (CHINA)	4107N 10015E	II
TU-KO-MA-CHING POSS MISS PROP TEST FAC (CH)	4051N 10941E	NC
KAMCHATKA PENINSULA SUSPECT ABM AREA	5600N 16000E	II
SEMIPALATINSK NWPG POSSIBLE ABM LAUNCH AREA	5043N 07837E	NO
EMBA AREA, POSS MISSILE-ASSOCIATED FACILITY	4836N 05758E	NO
DNEPROPETROVSK MOTOR VEHICLE PLANT 3 (DAZ)	4826N 03459E	NC
MOSCOW/KHIMKI GUIDED MISSILE PLANT 456	5554N 03727E	NO
MOSCOW/KALININGRAD GUIDED MISSILE PLANT 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	NO
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N 05615E	NO
KRASNOYARSK ARMS PLANT VOROSHILOV 4	5600N 09269E	NO
KRASNOYARSK STATIC TEST STAND	5605N 09327E	NO
KUYBYSHEV AIRCRAFT ENGINE PLANT FRUNZE 24	5312N 05017E	I
KUYBYSHEV AIRFRAME PLANT STALIN 1	5313N 05018E	II
KUYBYSHEV AIRFRAME PLT LENIN OR VOROSHILOV 18	5313N 05019E	II
OMSK AIRCRAFT ENGINE PLANT BARANOVA 29	5457N 07326E	NO
OMSK AIRCRAFT PLANT STALIN 166	5458N 07326E	NO
OMSK AREA, POSSIBLE STATIC TEST AREA	5527N 07322E	I
SVERDLOVSK SUSPECT STATIC TEST STAND	5652N 06037E	NO
UFA AIRCRAFT ENGINE PLANT A-26	5447N 05607E	NO
UFA AIRCRAFT ENGINE PLANT B-26	5447N 05604E	NO
LENINGRAD AIRCRAFT ENGINE PLANT 117	5959N 03020E	I
KAZAN AIRCRAFT ENGINE PLANT 16	5551N 04907E	NO
SHCHERBAKOV AIRCRAFT ENGINE PLANT 36	5803N 03849E	NO
UST-UKHTA, SUSP MISSILE PRODUCTION FACILITY	6334N 05342E	NC
TAI-YUAN EXPLOSIVES & AMMO PROD COMPLEX (CH)	3759N 11233E	NC

25X1A

KUTAI SI MOTOR VEHICLE PLANT	4216N	04237E	NC
LU-SHUN CRUISE-MISSILE LAUNCH SITE (CHINA)	3849N	12127E	NC
OSCHATZ SUSPECT MISSILE AREA (EAST GERMANY)	5117N	01307E	NC
NOVE MESTO POD SUSPECT MISSILE AREA (CZECH)	5056N	01515E	NC
MEDVED SUSPECT MRBM AREA	5818N	03031E	II
JENA SUSPECT MISSILE AREA (EAST GERMANY)	5055N	01135E	NC
MARTSIENA POSS MISSILE SUPPORT INSTALLATION	5647N	02607E	NC
CHENG HSIEN SUSPECT MISSILE AREA (CHINA)	N	E	NC
OZERNYY SSM SEARCH	6624N	17906W	NC
STARAYA RUSSA SUSPECT MISSILE AREA	5800N	03123E	II
ZAPOLYARNYY SUSPECT MISSILE AREA	6926N	03051E	NC
LIEN-SHAN CRUISE-MISSILE LAUNCH SITE (CHINA)	4042N	12052E	NC
PANG-CHIANG SUSPECT MISSILE AREA (CHINA)	4250N	11301E	NC
HO-FEI AIRFIELD (CHINA)	3151N	11719E	NO
NONGKODJADJAR, RPTD MISSILE SITE (INDONESIA)	0754S	11237E	NO
LYALICHI SUSPECT SSM AREA	4401N	13226E	II
ZAKOPYTYE SUSPECT SSM AREA	5225N	03130E	NC
FU-CHOU TO TANG-KU MISSILE SEARCH (CHINA)	2605N	11918E	NO
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	6434N	03949E	NC
SEVEROMORSK SUSPECT MISSILE STORAGE	6906N	03328E	NC
KOMSOMOLSK SHIPYARD AMUR 199	5033N	13702E	II
SAYDA GUBA SUBMARINE BASE	6915N	03321E	NC
BALTIYSK NAVAL BASE	5439N	01955E	NC
OLENYA GUBA SUBMARINE BASE	6913N	03323E	NC
POLYARNYY NAVAL BASE	6912N	03328E	NC
LITSA BAY SUBMARINE BASE	6926N	03215E	NC
PETROPVLOVSK/KAMCHATSKIY SUBMARINE BASE	5255N	15830E	II
VLADIMIR SUBMARINE BASE	4355N	13528E	NC
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	4306N	13156E	II
PROMYSLOVKA NAVAL COMPLEX	4300N	13220E	II
KALININGRAD NAVAL MISSILE FACILITIES	5450N	02028E	NC
SEVASTOPOL POSSIBLE NAVAL MISSILE STORAGE	4436N	03340E	NO
SVERDLOVSK SUSPECT ABM AREA	5650N	06037E	NO
MOSCOW SUSPECT ABM AREA	5545N	03737E	NO
LENINGRAD SUSPECT ABM AREA	5955N	03020E	I
CHITA SUSPECT ABM AREA	5254N	11332E	I
KOMSOMOLSK SUSPECT ABM AREA	5200N	13700E	II
BRATSK SUSPECT ABM AREA	5654N	10030E	NC
FERGANA SUSPECT ABM AREA	4022N	07144E	II
CHOKURDAKH SUSPECT ABM AREA	7037N	14753E	NC
MYS SHMIDTA SUSPECT ABM AREA	6853N	17924W	NC
TIKSI SUSPECT ABM AREA	7202N	12829E	NC
KHATANGA SUSPECT ABM AREA	7159N	10230E	NC
KIGILYAKH SUSPECT ABM AREA	7325N	13959E	NC
SANTA LUCIA SAM SITE (CUBA)	2241N	08355W	II
SAN JULIAN AIRFIELD SAM SITE (CUBA)	2205N	08409W	NO
LA COLOMA SAM SITE (CUBA)	2218N	08332W	II
MARIEL SAM SITE (CUBA)	2300N	08249W	II
MATANZAS SAM SITE (CUBA)	2301N	08129W	II

TOP SECRET CHESS RUFF

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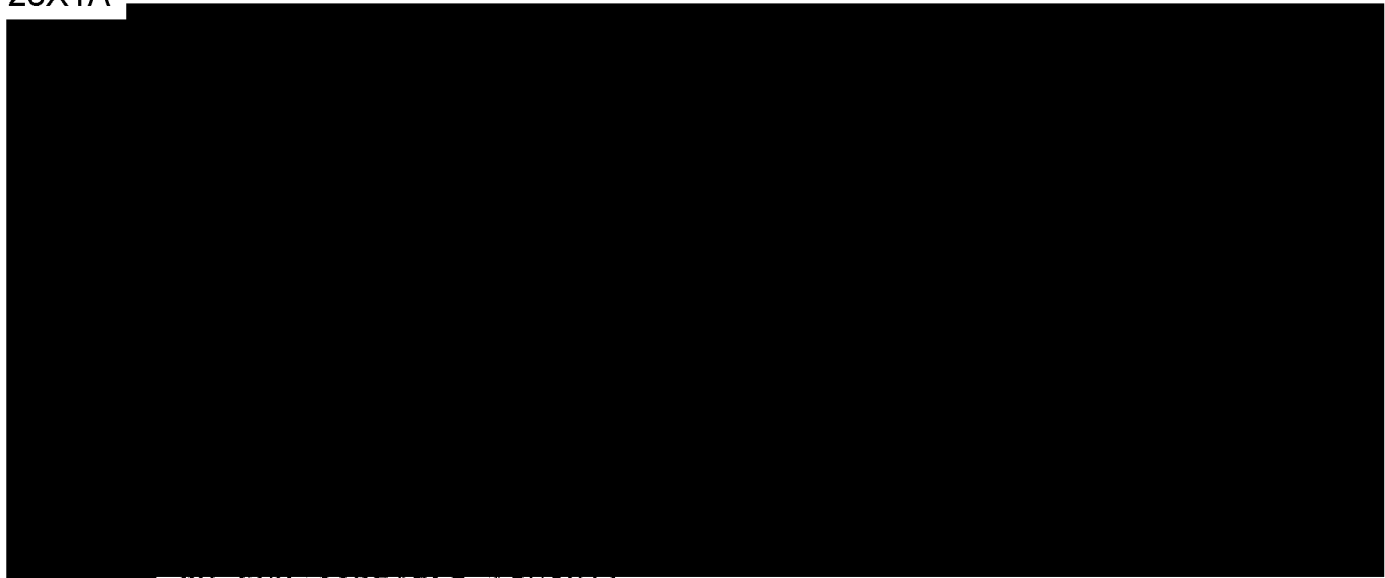
BAHIA HONDA SAM SITE (CUBA)	2257N 08317W	II
HAVANA SAM SITE (CUBA)	2309N 08213W	II
CIENFUEGOS SAM SITE (CUBA)	2202N 08024W	NC
SAGUA LA GRANDE SAM SITE (CUBA)	2251N 08005W	NC
CAIBARIEN SAM SITE (CUBA)	2228N 07929W	NO
SANCTI SPIRITUS SAM SITE (CUBA)	2147N 07929W	NC
KALIDJATI AIRFIELD (INDONESIA)	0633S 10740E	NC
CHAPARRA SAM SITE (CUBA)	2107N 07626W	NO
LOS ANGELES SAM SITE (CUBA)	2100N 07541W	NO
JIGUANI SAM SITE (CUBA)	2021N 07620W	II
SIGUANEA SAM SITE (CUBA)	2137N 08257W	II
MANZANILLO SAM SITE (CUBA)	2018N 07706W	II
MANATI SAM SITE (CUBA)	2113N 07702W	NO
SENADO SAM SITE (CUBA)	2136N 07733W	II
CHAMBAS SAM SITE (CUBA)	2213N 07853W	II
ESMERALDA SAM SITE (CUBA)	2155N 07813W	II
SANTIAGO DE CUBA SAM SITE (CUBA)	1959N 07550W	II
SANTIAGO DE CUBA SAM ASSEMBLY AREA (CUBA)	2003N 07553W	II
DELEITE SAM SITE (CUBA)	2259N 08045W	NC
SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA (CU)	2257N 08221W	II
CIEGO DE AVILA SAM SITE (CUBA)	2142N 07850W	II
DELEITE ALTERNATE SAM SITE (CUBA)	2301N 08044W	NC
PINAR DEL RIO SAM ASSEMBLY AREA (CUBA)	2221N 08339W	NO
CIEGO DE AVILA SAM ASSEMBLY AREA (CUBA)	2151N 07844W	II
CIFUENTES SAM ASSEMBLY AREA (CUBA)	2236N 08005W	NC
VICTORIA DE LAS TUNAS SAM ASSEMBLY AREA (CUBA)	2104N 07700W	II
SANTA LUCIA ALTERNATE SAM SITE (CUBA)	2243N 08349W	II
MANZANILLO SAM ASSEMBLY AREA (CUBA)	2018N 07706W	II
LOMA DE TIERRA SAM ASSEMBLY AREA (CUBA)	2301N 08213W	NO
MALDONADO SAM SITE (CUBA)	2012N 07528W	II
CHEPELEVKA AIRFIELD	4947N 03026E	NC
DOLON AIRFIELD	5032N 07912E	NO
ENGELS AIRFIELD	5129N 04611E	NO
SIAULIAI AIRFIELD	5553N 02323E	NC
UKRAINA AIRFIELD	5110N 12826E	NC
BARANOVICHI AIRFIELD	5306N 02603E	NC
MINSK/MACHULISHCHE AIRFIELD	5347N 02734E	NC
OLENYA AIRFIELD	6809N 03327E	NC
STRYY AIRFIELD	4914N 02348E	NC
SREDNIY AIRFIELD	7930N 09110E	NC
GOFMANA AIRFIELD	8116N 06015E	NC
BELAYA AIRFIELD	5254N 10335E	I
BYKHOV AIRFIELD	5331N 03012E	NC
MOZDOK AIRFIELD	4347N 04436E	NC
PITU AIRFIELD (INDONESIA)	0203N 12818E	NC
KALININGRAD/PROVEREN AIRFIELD	5446N 02025E	NO
PRILUKI AIRFIELD	5034N 03219E	NC
POLTAVA AIRFIELD	4937N 03430E	NC
ORSHA SOUTHWEST AIRFIELD	5426N 03018E	NC

TOP SECRET CHESS RUFF

25X1A

BELAYA TSERKOV AIRFIELD	4947N 03001E	NC
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E	NO
ZHITOMIR/SKOMOROKHI AIRFIELD	5010N 02844E	NC
NEZHIN AIRFIELD	5105N 03152E	NC
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E	NC
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E	NC
BOBRUYSK AIRFIELD	5306N 02912E	NC
ANADYR/LENINKA AIRFIELD	6442N 17742E	NC
TIKSI AIRFIELD	7141N 12853E	NC
ALEKSEYEVSKOYE AIRFIELD	4915N 14014E	II
ASPIDNOYE AIRFIELD	6921N 16134E	NC
VORKUTA EAST AIRFIELD	6727N 06415E	NC
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	7057N 17936W	NC
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	5535N 03807E	NO
CAMILO CIENFUEGOS INTERNATIONAL AIRFIELD (CU)	2229N 07955W	NO
CAMAGUEY INTERNATIONAL AIRFIELD (CUBA)	2125N 07751W	NO
HOLGUIN AIRFIELD (CUBA)	2048N 07618W	II
LOS CANOS AIRFIELD (CUBA)	2004N 07509W	NC
PRESTON AIRFIELD (CUBA)	2044N 07540W	NO
SIGUANEA AIRFIELD (CUBA)	2138N 08257W	II
ANTONIO MACEO AIRFIELD (CUBA)	1958N 07550W	II
CORONEL PASCUAL AIRFIELD (CUBA)	2307N 08117W	II
MARIEL NAVAL AIR STATION (CUBA)	2300N 08246W	II
PLAYA BARACOA AIRFIELD (CUBA)	2302N 08235W	II
MANAGUA AIRFIELD (CUBA)	2258N 08217W	II
COLONEL MARTIN MARRERRO AIRFIELD (CUBA)	2150N 08247W	II
MANZANILLO AIRFIELD (CUBA)	2019N 07708W	II
JAIME GONZALES AIRFIELD (CUBA)	2209N 08025W	NO
BAYAMO EAST AIRFIELD (CUBA)	2023N 07638W	NO
PINAR DEL RIO AIRFIELD (CUBA)	2225N 08341W	II
TRINIDAD AIRFIELD (CUBA)	2147N 07959W	NO
CAYO LARGO AIRFIELD (CUBA)	2137N 08133W	II
PYONGYANG EAST AIRFIELD (NORTH KOREA)	3901N 12551E	II
UIJU AIRFIELD (NORTH KOREA)	4009N 12430E	II
SONDOK AIRFIELD (NORTH KOREA)	3944N 12728E	II
SUNAN AIRFIELD (NORTH KOREA)	3912N 12540E	II
PUKCHANG-NI AIRFIELD (NORTH KOREA)	3929N 12558E	II
SAAMCHAN AIRFIELD (NORTH KOREA)	3945N 12554E	II
HAMHUNG WEST AIRFIELD (NORTH KOREA)	3957N 12728E	II
PYONGYANG MAIN AIRFIELD (NORTH KOREA)	3901N 12546E	II
WONSAN AIRFIELD (NORTH KOREA)	3909N 12729E	II
HWANGJU 2 AIRFIELD (NORTH KOREA)	3838N 12547E	II
NAMSI AIRFIELD (NORTH KOREA)	3955N 12512E	II
HOEMUN-DONG AIRFIELD (NORTH KOREA)	4125N 12939E	NO
PYONG-NI AIRFIELD (NORTH KOREA)	3924N 12553E	II
ONJONG-NI AIRFIELD (NORTH KOREA)	3854N 12514E	II
SINANJU AIRFIELD (NORTH KOREA)	3931N 12532E	II
TAECHON AIRFIELD (NORTH KOREA)	3954N 12529E	II

25X1A 25X2



YU-SHU AIRFIELD (CHINA) 3255N 09647E NC
HSIA-HO, PROBABLE RESEARCH INSTITUTE (CHINA) 3515N 10228E NC
BAYKALSK, PULP & PAPER MILL U/C 5131N 10608E NC

25X2

CHUNG-CHING/I-PIN/CHENG-TU NE SEARCH (CH) 2934N 10635E NO
CHAN-CHIANG NAVAL BASE (CHINA) 2112N 11025E NO
TANDJUNGPRIOK PORT FACILITIES (INDONESIA) 0606S 10652E NC
SURABAJA NAVAL BASE & SHIPYARD (INDONESIA) 0712S 11244E NO
AMBOINA PORT FACILITIES (INDONESIA) 0342S 12812E NC
WONSAN PORT (NORTH KOREA) 3910N 12726E II

25X2

LU-HSIEN EXPLOSIVES PLANT, 23D ARSENAL (CHINA) 2853N 10523E NO

25X2

KILDIN ISLAND INSTRUMENTATION SITE 6922N 03412E NC
SAKHALIN ISLAND ELECTRONICS SEARCH 5100N 14300E NC
MARKOVO SUSPECT ELECTRONICS FACILITY 6440N 17025E II
BARANOVKA SUSPECT ELECTRONICS FACILITY 4648N 13721E NO
ANADYR SUSPECT ELECTRONICS FACILITY 6444N 17728E NC
SAMODED SUSPECT COMMUNICATIONS FACILITY 6336N 04028E NO
GOLENKI INTERFEROMETER SITE 4403N 13145E II
NING-MING, TRANSSHIPMENT POINT (CHINA) 2212N 10705E NO
NAMCHONJOM COMPLEX (NORTH KOREA) 3820N 12624E II
CHINNAMPO COMPLEX (NORTH KOREA) 3844N 12524E II
WONSAN COMPLEX (NORTH KOREA) 3909N 12727E II
SUNCHON COMPLEX (NORTH KOREA) 3925N 12556E II
KOWON COMPLEX (NORTH KOREA) 3926N 12715E II
CHONGJU COMPLEX (NORTH KOREA) 3941N 12513E II

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KAECHON COMPLEX (NORTH KOREA)	3942N 12554E	II
SINUIJU COMPLEX (NORTH KOREA)	4006N 12424E	II
MANPOJIN COMPLEX (NORTH KOREA)	4109N 12618E	II
LOP NOR AREA, CIRCULAR GROUND SCAR (CH)	4045N 08940E	NC

TU-NA AREA, GRID PATTERN (CHINA)	4240N 09105E	NC
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25X1D

TOP SECRET

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