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April 1963

PHOTOGRAPHIC INTERPRETATION REPORT

OAK-PART III  
MISSION 9053  
2-4 APRIL 1963



ARMY



NAVY



AIR FORCE



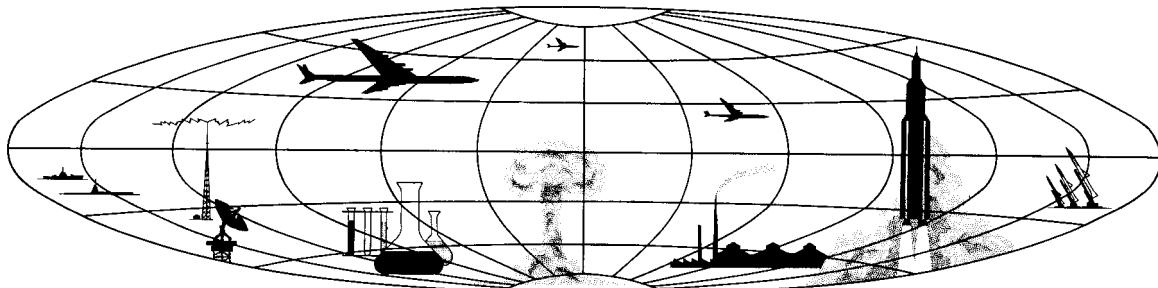
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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## OAK-PART III

# MISSION 9053

### PREFACE

THIS IS THE THIRD AND LAST DAILY OAK REPORT BASED ON MISSION 9053 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS, 10 APRIL 1963, TO 1500 HOURS, 11 APRIL 1963, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED OR NOT COVERED BY MISSION 9053 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 PREFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS KH-4 (1) APR 62.

INTERPRETATION OF CERTAIN FRAMES FROM THE FORWARD CAMERA USED ON MISSION 9053 IS SOMEWHAT LIMITED BY THE PRESENCE OF A PLUS DENSITY STREAK (DARK STREAK) OF UNKNOWN ORIGIN ON THE DUPLICATE POSITIVE FILM USED.

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 9053 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.

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SUMMARY

STATUS OF COMOR TARGET READOUT --  
 A TOTAL OF 22 TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD AND ARE COVERED BY THIS REPORT.

SUMMARY OF MISSILE ACTIVITY

THE FOLLOWING IS A COMPILATION OF MISSILE FACILITIES OBSERVED ON MISSION 9053. THIS COMPILATION INCLUDES ONLY THOSE FACILITIES WHICH HAVE BEEN IDENTIFIED FOR THE FIRST TIME FROM PHOTOGRAPHY --

TYPE	PART I	PART II	PART III	TOTAL
ICBM LAUNCH SITES	1	3	4	8
IRBM/MRBM	1	1	4	6
SA-3			4	4
SA-2	1		6	7
SAM SUPPORT			1	1
SAM SITES, UNDETERMINED TYPE			6	6

HIGHLIGHTS --

25X1A TYURA TAM MISSILE TEST CENTER [REDACTED] -- CONTINUED EXPANSION OF TEST AND LAUNCH FACILITIES WAS REVEALED, INCLUDING A PROBABLE NEW LAUNCH COMPLEX (COMPLEX H), ROAD AND RAIL LINE UNDER CONSTRUCTION NORTH FROM THE CENTRAL SUPPORT FACILITY, AND CONTINUED EXPANSION OF THE CENTER WEST OF COMPLEX G.

25X1A YEDROVO ICBM COMPLEX [REDACTED] -- THREE NEW LAUNCH SITES IDENTIFIED. SITE E AT 57-52N 033-17E PROBABLY COMPLETE, SITE F AT 57-43N 033-06E IN LATE CONSTRUCTION STAGE, AND SITE G AT 57-47N 033-02E IN PROBABLE MID STAGE OF CONSTRUCTION.

25X1A

BUYNAKSK, SUSPECT SSM AREA [REDACTED] -- THREE HARDENED MRBM/IRBM LAUNCH SITES IN VARIOUS STAGES OF CONSTRUCTION HAVE BEEN NEWLY IDENTIFIED. SITE 1 (KAKASHURA) LOCATED AT 42-39N 047-27E, SITE 2 (GELLI) LOCATED AT 42-45N 047-28E, AND SITE 3 (PARAUL) LOCATED AT 42-47N 047-23E.

MISSILE BONUS 2 -- A NEWLY IDENTIFIED SOFT IRBM LAUNCH SITE IS LOCATED ONE NM NORTH OF THE VILLAGE OF RAMOYE AND 13 NM SW OF BELOMORSK AT 64-26N 034-18E.

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25X1A

MISSILES

[REDACTED] TYURA TAM MISSILE TEST CENTER 4550N 06318E

25X1D

MISSION 9053 PROVIDES THE BEST QUALITY PHOTOGRAPHIC COVERAGE OF TYURA TAM SINCE [REDACTED]. THE RANGEHEAD AREA IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY. THE CENTER CONTINUES TO SHOW EXPANSION AT THE TEST AND LAUNCHING FACILITIES. SIGNIFICANT CHANGES INCLUDE A PROBABLE NEW LAUNCH COMPLEX, A ROAD AND A RAIL LINE UNDER CONSTRUCTION BRANCHING NORTH FROM THE CENTRAL SUPPORT FACILITY, AND CONTINUED EXPANSION OF THE CENTER WEST OF COMPLEX G (SEE ATTACHMENT 1).

25X1D

COMPLEX A -- NO SIGNIFICANT CHANGE SINCE [REDACTED] EXCEPT FOR IDENTIFICATION OF 2 BUILDINGS 3,000 FT SE OF THE INTERFEROMETER. THE BUILDINGS ARE 900 FT APART AND CONNECTED BY A SCAR. THEY ARE PROBABLY ASSOCIATED WITH THE INSTRUMENTATION CONTROL CENTER. THESE BUILDINGS

25X1D

WERE DISCERNIBLE BUT NOT IDENTIFIABLE ON [REDACTED] AND WERE NOT PRESENT ON MISSION [REDACTED].

25X1D

25X1D

25X1D

COMPLEX B -- NO SIGNIFICANT CHANGE SINCE [REDACTED] EXCEPT THAT A BUILDING APPROXIMATELY 270 FT LONG IS UNDER CONSTRUCTION AT THE NORTH END OF THE WISHBONE CONFIGURATION IN THE LAUNCH AREA. THE SUPPORT AREA HAS BEEN EXPANDED AND CONTAINS 40 ADDITIONAL BUILDINGS FOR A TOTAL OF 65. A PROBABLE GUIDANCE SITE, DISCERNIBLE BUT NOT IDENTIFIABLE ON MISSION 9013, HAS BEEN IDENTIFIED AT THE NW CORNER OF THE SUPPORT AREA. A WATER SETTLING FACILITY CONSISTING OF 4 CONTIGUOUS BASINS IS SITUATED 2,000 FT EAST OF THE HOUSING AREA.

25X1D

25X1D

COMPLEX C -- NO CHANGE IN LAUNCH FACILITIES SINCE [REDACTED]. TWELVE NEW BARRACKS/ WAREHOUSE-TYPE BUILDINGS HAVE BEEN ADDED IN THE SUPPORT AREA, AND 2 NEW BUILDINGS/STRUCTURES HAVE BEEN ADDED JUST EAST OF LAUNCH SITE C-2 SINCE [REDACTED].

25X1D

25X1D

COMPLEX D -- LAUNCH AREA 1-D IS COMPLETE. THE SILOS AND CONTROL BUNKER ARE ENCLOSED BY A PAVED LOOP ROAD. THREE IDENTICAL, LOW, RECTANGULAR OBJECTS ARE ALIGNED IN FRONT OF THE CONTROL BUNKER. THE LONG AXIS OF THESE 3 OBJECTS IS ASKEW TO THE GENERAL

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ALIGNMENT OF THE LAUNCH AREA. A PARKING/SERVICING APRON, CONTAINING A POSSIBLE CRANE, IS ADJACENT TO THE ROAD NE OF THE 3 RECTANGULAR OBJECTS. A BUILDING, 270 X 70 FT AND SITUATED ON AN APRON, IS LOCATED SE OF THE CONTROL BUNKER.

CONSTRUCTION CONTINUES AT LAUNCH AREA 2-D. FIVE OBJECTS ARE LOCATED IN A LINE ALONG THE LONG AXIS OF THE EXCAVATION. THREE OF THESE OBJECTS ARE POSITIONED ASKEW TO THE CONTROL BUNKER AS WERE THOSE 3 OBJECTS OBSERVED AT AREA 1-D. LOCATED BETWEEN THESE 3 OBJECTS ARE 2 STRUCTURES WHICH ARE IDENTICAL TO THE REPORTED SILOS OBSERVED AT LAUNCH AREA 1-D DURING ITS CONSTRUCTION PHASE.

COMPLEX E -- COMPLEX E IS COMPLETE AND HAS REMAINED VIRTUALLY UNCHANGED SINCE [REDACTED]. AN INTERFEROMETER HAS BEEN IDENTIFIED WITHIN THE SECURED AREA. IT WAS DISCERNIBLE BUT NOT IDENTIFIABLE ON [REDACTED]. IT CONSISTS OF A PLUS CONFIGURATION WITH BASE LINES APPROXIMATELY 1,400 FT LONG. WITHIN THE SECURED AREA, AN UNIDENTIFIED ACTIVITY NEAR THE NORTH FENCE LINE CONSISTS OF A LOOP ROAD ENCIRCLING AN EARTH-MOUNDED STRUCTURE.

25X1D

25X1D

COMPLEX F -- COMPLEX F CONSISTS OF A HEART-SHAPED LOOP ROAD SYSTEM AND AT LEAST 10 BUILDINGS. WITHIN THE LOOP ROAD, WHICH MEASURES 1,200 FT ACROSS, ARE 3 OBJECTS, 2 OF WHICH PREVIOUSLY APPEARED AS DOME-LIKE STRUCTURES AND THE THIRD AS A SEMIBURIED STRUCTURE. NOW THE 2 DOME-LIKE STRUCTURES APPEAR AS LOW-LYING STRUCTURES AND THE THIRD APPEARS AS A DOME-LIKE STRUCTURE. THIS CHANGE IN APPEARANCE SINCE EARLY [REDACTED] MAY BE THE RESULT OF PARTIAL BACK-FILLING AND CONTINUED CONSTRUCTION. A PROBABLE BUNKER IS UNDER CONSTRUCTION TO THE REAR OF AND CENTERED ON THE 2 LOW-LYING STRUCTURES.

25X1D

25X1D

COMPLEX G -- THE SECURED LAUNCH AREA CONTAINS 5 OBJECTS APPROXIMATELY 70 FT SQUARE ARRANGED IN A ROW, NEAR AND PARALLELING THE NE FENCE LINE. TWO OF THE OBJECTS HAVE BEEN EARTH MOUNDED AND THE REMAINING 3 HAVE BEEN CONSTRUCTED SINCE [REDACTED]. ALSO, WITHIN THE LAUNCH AREA ARE AT LEAST 10 STRUCTURES, 2 TANKS, EXTENSIVE EXCAVATING ACTIVITY, AND A HIGH STRUCTURE 200 X 100 FT LOCATED APPROXIMATELY 900 FT TO THE REAR OF THE 2 EARTH-MOUNDED OBJECTS. THE RAIL LINE HAS BEEN EXTENDED INSIDE THE LAUNCH AREA AND TERMINATES IN AT LEAST

25X1D

25X1D

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2 SPURS.

CONSTRUCTION CONTINUES IN THE SUPPORT AREA. THE MISSILE CHECK-OUT BUILDING APPEARS COMPLETE. NEW ACTIVITY WEST OF THE SUPPORT AREA INCLUDES EXTENSION OF A ROAD APPROXIMATELY 1.5 NM TO THE WEST. AN UNIDENTIFIED FACILITY CONTAINING 5 SMALL BUILDINGS IS LOCATED SOUTH OF THE NEW ROAD.

COMPLEX H -- THIS INSTALLATION, NEW SINCE MISSION [REDACTED], IS A PROBABLE LAUNCH COMPLEX (SEE ATTACHMENT 2). IT IS LOCATED 1.8 NM EAST OF LAUNCH SITE 3-C. THE COMPLEX CONSISTS OF A PARTIALLY SECURED AREA CONTAINING AT LEAST 12 BUILDINGS/STRUCTURES, A POSSIBLE BUNKER, AND 2 EXCAVATIONS (PROBABLE LAUNCH AREA), THE LARGER APPROXIMATELY 130 X 70 FT. A SECURED AREA HAVING AN L-SHAPED SCAR (1,400 FT ON A SIDE) WITHIN IT IS LOCATED APPROXIMATELY .9 NM SE OF THE PROBABLE LAUNCH AREA. THE COMPLEX IS RAIL AND ROAD SERVED. THE RAIL IS AN EXTENSION OF THE SPUR ADJACENT TO THE MISSILE ASSEMBLY/CHECK-OUT BUILDING AT COMPLEX C.

25X1D

CENTRAL SUPPORT FACILITY -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

25X1D

SUPPORT BASE -- NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]

25X1D

DEFENSIVE SAM SITES -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

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

25X1D

- SUPPORT BASE [REDACTED]
- COMPLEX A -- [REDACTED]
- COMPLEX B -- [REDACTED]
- COMPLEX C -- [REDACTED]
- COMPLEX D -- [REDACTED]
- COMPLEX E -- [REDACTED]
- COMPLEX F -- [REDACTED]
- COMPLEX G -- [REDACTED]
- COMPLEX H -- [REDACTED]
- CENTRAL SUPPORT FACILITY -- [REDACTED]

25X1D

25X1D

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25X1A

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[REDACTED] YEDROVO ICBM LAUNCH COMPLEX 5751N 03341E

THE COMPLEX CONTINUES TO EXPAND (SEE ATTACHMENT 3).

25X9

[REDACTED]

THERE ARE NOW 7 LAUNCH SITES -- 5 TYPE II AND 2 TYPE III --

SITE TYPE STATUS COORDINATES FIRST SEEN

A	II	COMPLETE	5748N 03336E	[REDACTED]
B	II	COMPLETE	5748N 03314E	[REDACTED]
C	III	COMPLETE	5749N 03308E	[REDACTED]
D	II	MIDDLE STAGE	5748N 03329E	[REDACTED]
E*	III	PROB COMPLETE	5752N 03317E	[REDACTED]
F	II	LATE STAGE	5743N 03306E	[REDACTED]
G	II	PROB MIDDLE STAGE	5747N 03302E	[REDACTED]

25X1D

25X1D

\* IDENTIFIED IN [REDACTED] AS AN AREA OF 20 BUILDINGS.

25X9

[REDACTED]

25X1D

IT CONSISTS OF A DOUBLE-FENCED, 1,500 X 1,200-FT AREA CONTAINING SOME EARTH SCARRING AND ONE BUILDING. NO SIGNIFICANT CHANGES HAVE BEEN NOTED AT EITHER THE COMPLEX SUPPORT FACILITY OR THE TRANSFER POINT SINCE MISSION [REDACTED] SNOW HAS BEEN CLEARED FROM THE COMPLEX MAIN SERVICE ROAD.

25X1D

25X1D

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

SITE A  
SITE B  
SITE C  
SITE D  
SITE E  
SITE F  
SITE G

25X1D

25X9

25X1D

[REDACTED]

COMPLEX SUPPORT FACILITY [REDACTED]

25X1D

[REDACTED]

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25X1A



RZHEV, SUSPECT SSM AREA 5615N 03420E

NO MISSILE INSTALLATIONS OR UNIDENTIFIED RAIL-SERVED CONSTRUCTION ACTIVITY OBSERVED IN CLEAR AREAS WITHIN 50 NM RADIUS OF RZHEV. SNOW COVER PRECLUDES NEGATION OF THIS AREA AS LOCATION FOR SSM SITE.



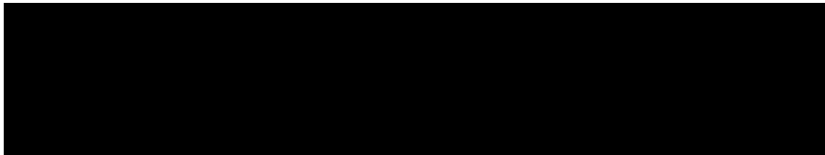
25X1D

25X1A



KANDALAKSHA SUSPECT SSM AREA 6709N 03225E

NO SSM ACTIVITY OBSERVED IN VISIBLE AREAS WITHIN 50 NM RADIUS OF KANDALAKSHA.



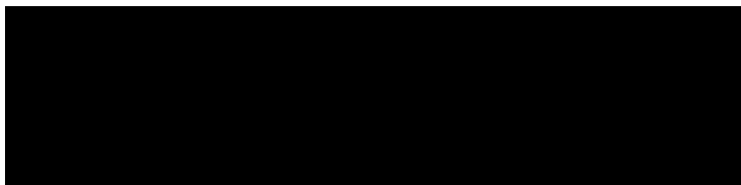
25X1D

25X1A



MURMANSK, SUSPECT SSM AREA 6858N 03305E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN 50 NM RADIUS OF MURMANSK. AREAS UNDER CONSTRUCTION NOT OBSERVED.



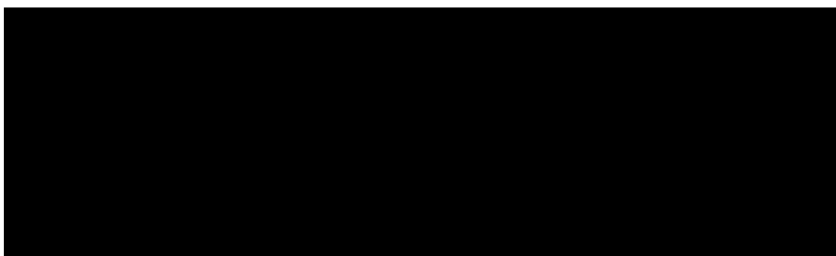
25X1D

25X1A



KOLOZERO, SUSPECT ICBM AREA 6810N 03320E

NO SSM ACTIVITY OBSERVED IN CLEAR AREAS WITHIN A 50 NM RADIUS OF KOLOZERO. HAZE AND HEAVY CLOUDS PRECLUDE DETAILED SEARCH.



25X1D

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25X1A

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

NO SSM ACTIVITY IDENTIFIED WITHIN A 50 NM RADIUS OF PETROPAVLOVSK.

[REDACTED]

25X1D

25X1A

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

NO SSM DEPLOYMENT OBSERVED IN CLOUD-FREE AREAS WITHIN 50 NM RADIUS OF NERCHINSK.

[REDACTED]

25X1D

25X1A

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

NO MISSILE DEPLOYMENT EVIDENT IN AREAS VISIBLE WITHIN 25 NM RADIUS OF KOLMAKOVO.

[REDACTED]

25X1D

25X1A

[REDACTED] PETROPAVLOVKA, SUSPECT SSM AREA 5310N 09335E

NO MISSILE DEPLOYMENT EVIDENT IN VISIBLE AREAS WITHIN 25 NM RADIUS OF PETROPAVLOVKA.

[REDACTED]

25X1D

25X1A

[REDACTED] GURELOVO HARDENED MRBM/IRBM LAUNCH SITE 5925N 02852E

POOR QUALITY OF PHOTOGRAPHY PRECLUDES DETERMINATION OF CONSTRUCTION STATUS OF SITE. NO NEW HARDENED SITES IDENTIFIED WITHIN A 25-NM RADIUS OF GURELOVO MRBM/IRBM LAUNCH SITE. POOR QUALITY PHOTOGRAPHY PRECLUDES NEGATION OF AREA AS LOCATION FOR ADDITIONAL HARDENED SITE.

[REDACTED]

25X1D

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25X1A

[REDACTED] ZEMAIGIU KALVARIJA HARD MRBM/IRBM LAUNCH SITE 5601N 02153E

SITE IS COMPLETE.  
NO ADDITIONAL HARDENED SITE OBSERVED WITHIN 25 NM  
RADIUS OF ZEMAIGIU KALVARIJA HARD MRBM/IRBM LAUNCH  
SITE. SNOW COVER PRECLUDES NEGATION OF AREA AS  
LOCATION FOR ADDITIONAL HARDENED SITE.

25X1D

25X1A

[REDACTED] LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE 5624N 02336E

SITE IS PROBABLY IN LATE STAGE OF CONSTRUCTION,  
HOWEVER, SNOW COVER PRECLUDES POSITIVE DETERMINATION  
OF CONSTRUCTION STATUS. LAUNCH AREA IS FENCED.  
NO NEW HARDENED SITE OBSERVED WITHIN 25 NM RADIUS OF  
LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE. SNOW  
COVER PRECLUDES NEGATION OF AREA AS LOCATION FOR  
ADDITIONAL HARDENED SITE.

25X1D

25X1A

[REDACTED] IECAVA HARDENED MRBM/IRBM LAUNCH SITE 5633N 02420E

SITE APPEARS COMPLETE. LAUNCH AREA IS SECURED BY  
DOUBLE FENCE.  
NO ADDITIONAL HARDENED SITE OBSERVED WITHIN  
25 NM RADIUS OF IECAVA HARDENED MRBM/IRBM LAUNCH  
SITE. SNOW COVER PRECLUDES NEGATION OF AREA AS  
LOCATION FOR ADDITIONAL HARDENED SITE.

25X1D

25X1A

[REDACTED] BUYNASK, SUSPECT SSM AREA 4250N 04705E

THREE HARDENED MRBM/IRBM LAUNCH SITES IN VARIOUS  
STAGES OF CONSTRUCTION HAVE BEEN IDENTIFIED ON THE  
NORTH SIDE OF THE CAUCASUS MOUNTAINS MIDWAY BETWEEN  
BUYNASK AND THE CASPIAN SEA. A GOOD ROAD CONNECTS  
ALL 3 SITES TO A RAIL-TO-ROAD TRANSFER POINT  
AT THE TOWN OF MANAS WHICH IS ON THE

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MAKHACHKALA-BAKU RAILROAD, 17 NM SE OF MAKHACHKALA. THIS TRANSFER POINT WAS PRESENT IN [REDACTED] (MISSION [REDACTED] HOWEVER, THE LAUNCH SITES WERE NOT COVERED BY PHOTOGRAPHY ON THAT MISSION. THE TRANSFER POINT IS CLOUD COVERED ON [REDACTED]

25X1D

25X1D

25X1D

SITE 1 (KAKASHURA HARDENED IRBM/MRBM LAUNCH SITE) IS LOCATED IN A FOREST (AT 42-39-15N 047-27-00E) 3 NM EAST OF THE VILLAGE OF KAKASHURA AND APPROXIMATELY 16 NM BY ROAD FROM THE RAIL-TO-ROAD TRANSFER POINT. BUYNASK IS LOCATED 18 NM TO THE NW. SITE 1 APPEARS TO BE COMPLETE AND IS ORIENTED GENERALLY ESE. A SUPPORT AREA IS LOCATED NW OF THE LAUNCH SITE AND CONTAINS AT LEAST 6 BUILDINGS. A CHECK OF PREVIOUS PHOTOGRAPHY REVEALED THAT THIS SITE WAS PRESENT IN [REDACTED]

25X1D

AND AGAIN APPEARED ON [REDACTED]

25X1D

PHOTOGRAPHY OF [REDACTED] AND [REDACTED] HEAVY HAZE PRECLUDES DETAILED INTERPRETATION OF THIS SITE ON MISSION [REDACTED]

25X1D  
25X1D

SITE 2 (GELLI HARDENED IRBM/MRBM LAUNCH SITE) IS LOCATED (AT 42-45-45N 047-28-15E) 4 NM NE OF THE VILLAGE OF GELLI AND APPROXIMATELY 21 NM BY ROAD FROM THE RAIL-TO-ROAD TRANSFER POINT. BUYNASK IS 16 NM WNW OF SITE 2 AND SITE 1 IS LOCATED 8 NM SOUTH OF SITE 2. SITE 2, SECURED BY FENCING, IS ORIENTED GENERALLY ESE AND APPEARS TO BE IN A LATE STAGE OF CONSTRUCTION. PARTIAL CLOUD COVER PRECLUDES A DETAILED ANALYSIS. A SUPPORT AREA NW OF THE LAUNCH SITE CONTAINS AT LEAST 6 BUILDINGS. THIS SITE APPEARED ON PHOTOGRAPHY OF [REDACTED] (MISSIONS [REDACTED]

25X1D

25X1D

SITE 3 (PARAUL IRBM/MRBM LAUNCH SITE) IS LOCATED (AT 42-47-45N 047-23-00E) 15 NM BY ROAD FROM THE RAIL-TO-ROAD TRANSFER POINT AND 4 NM NORTH OF THE VILLAGE OF PARAUL. SITE 2 IS LOCATED 4 NM ESE OF SITE 3 AND BUYNASK IS LOCATED 12 NM TO THE WEST. THE SITE IS IN A MIDDLE STAGE OF CONSTRUCTION AND IS ORIENTED TO THE SOUTH. A SUPPORT AREA 3,000 FT EAST OF THE SITE CONTAINS AT LEAST 7 BUILDINGS. CONSTRUCTION ON THIS SITE HAD NOT STARTED IN [REDACTED]

25X1D

25X1D

[REDACTED] BUT HAD BEGUN BY [REDACTED] (MISSION [REDACTED]

25X1D

25X1D

THERE IS NO APPARENT CONNECTION OTHER THAN BY SECONDARY ROAD BETWEEN ANY OF THESE SITES AND THE TOWNS OF BUYNASK, KAKASHURA, GELLI, OR PARAUL. THE ONLY GOOD ROAD TO THE SITES IS THE ROAD FROM THE RAIL-TO-ROAD TRANSFER POINT AT MANAS. (MAP REFERENCE -- AMS SERIES N501, SHEET NK 38-6, AND USATC SERIES 200, SHEET 325-8A).

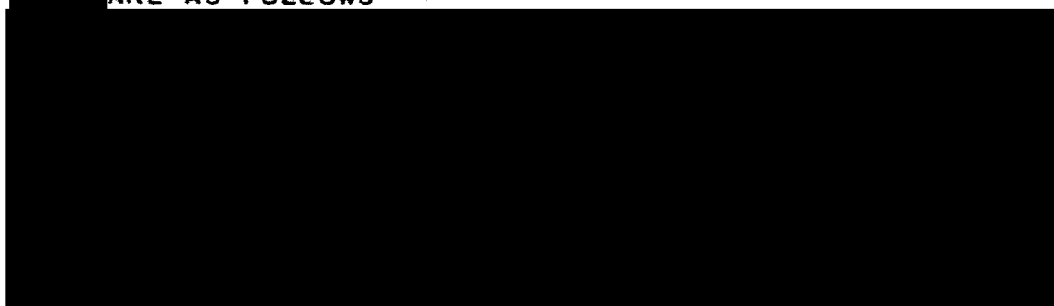
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25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS  
ARE AS FOLLOWS --



25X1D

25X1A



KIROVOBAD, SUSPECT SSM AREA 4040N 04620E

25X1D

NO SSM ACTIVITY IDENTIFIED IN THE AREAS COVERED  
WITHIN 25 NM RADIUS OF KIROVOBAD. WESTERN HALF  
OF SEARCH AREA NOT COVERED BY PHOTOGRAPHY.

25X1A



SMORGON IRBM LAUNCH SITE 3 5436N 02623E

25X1D

SMORGON IRBM LAUNCH SITE 3 IS CONFIRMED AS AN INLINE  
LAUNCH SITE, APPARENTLY COMPLETE. IT CONSISTS OF 4  
LAUNCH PADS, 4 MISSILE-READY BUILDINGS AND A FIFTH  
CENTRALLY LOCATED BUILDING. A SUPPORT AREA  
IMMEDIATELY SE OF LAUNCH SITE INCLUDES AT LEAST 6  
BUILDINGS.

25X1A



LENINGRAD PROBABLE AMM COMPLEXES 5955N 03020E

THE 3 PROBABLE AMM COMPLEXES AT LENINGRAD ARE COVERED  
ON GOOD-QUALITY MONO-MODE PHOTOGRAPHY. THE AREA WAS  
SNOW COVERED.

SOUTHWEST PROBABLE AMM LAUNCH COMPLEX -- NO  
SIGNIFICANT CHANGE IS OBSERVED AT THE LAUNCH SITES OR  
SUPPORT AREA SINCE MISSION [REDACTED] AT THE  
PROBABLE ELECTRONICS FACILITY AN OBJECT CASTING A  
CRESCENT-SHAPED SHADOW IS LOCATED CLOSE TO THE SE  
CORNER OF THE PROBABLE CENTRAL CONTROL BUILDING. IT  
APPEARS TO BE ORIENTED TOWARD THE NW EXTREMITY OF THE  
PROBABLE ELECTRONICS FACILITY. THE PREVIOUSLY  
REPORTED APPROXIMATELY 130-FT DOME AT THE SE EXTREMITY

25X1D

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~~TOP SECRET GHESS BLUE~~

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OF THE SITE NOW APPEARS TO BE AN UPRIGHT CYLINDER WITH A DARK OBJECT AT THE CENTER OF THE TOP. THIS INTERPRETATION IS BASED UPON SHADOW ANALYSIS. A SIMILAR STRUCTURE IS NOW OBSERVED AT THE NW EXTREMITY OF THE PROBABLE ELECTRONICS FACILITY WHERE AN APPROXIMATELY 50-FT DOME WAS REPORTED ON TOP OF A TOWER-LIKE STRUCTURE ON [REDACTED].

25X1D

NORTHWEST PROBABLE AMM LAUNCH COMPLEX -- NO SIGNIFICANT CHANGE IS OBSERVED AT THE LAUNCH SITES OR SUPPORT AREA. AT THE PROBABLE ELECTRONICS FACILITY THE CONSTRUCTION STATUS OF THE PROBABLE CENTRAL CONTROL BUILDING CANNOT BE DETERMINED FROM SNOW-COVERED PHOTOGRAPHY. AT EACH OF THE 2 EXTREMITIES OF THE FACILITY IS A STRUCTURE GENERALLY SIMILAR TO THE 2 APPARENTLY CYLINDRICAL STRUCTURES NOTED AT THE SW PROBABLE AMM LAUNCH COMPLEX. A NARROW CLEARING EXTENDING SE FROM A POINT JUST EAST OF THE PROBABLE CENTRAL CONTROL BUILDING HAS BEEN FURTHER EXTENDED, CUTTING THROUGH A WOODED AREA TO A POINT MIDWAY BETWEEN THE PROBABLE CENTRAL CONTROL BUILDING AND LAUNCH SITE 5. THE NARROW CLEARING FORMS A LOOP NEAR ITS TERMINAL POINT. TRACK ACTIVITY IS VISIBLE AT THE TERMINAL POINT. HOWEVER, NO FACILITIES ARE DISCERNIBLE.

NORTHEAST PROBABLE AMM LAUNCH COMPLEX -- NO SIGNIFICANT CHANGE IS OBSERVED AT THE LAUNCH SITES OR SUPPORT AREA. CONSTRUCTION CONTINUES ON THE PROBABLE CENTRAL CONTROL BUILDING IN THE PROBABLE ELECTRONICS FACILITY. INITIAL CONSTRUCTION WORK IS OBSERVED AT THE 2 EXTREMITIES OF THE PROBABLE ELECTRONICS FACILITY.

SOUTHWEST PROBABLE ELECTRONICS SITE -- THE 6 TOWER-LIKE STRUCTURES PREVIOUSLY REPORTED ARE VISIBLE. MONO-MODE PHOTOGRAPHY AND SNOW COVER PRECLUDE DETAILED ANALYSIS OF OTHER FACILITIES AT THE SITE.

SOUTH-SOUTHEAST PROBABLE ELECTRONICS SITE -- SIX TOWERS CAN BE IDENTIFIED AT THE SITE. A DETAILED INTERPRETATION OF THE SNOW-COVERED CENTRAL STRUCTURE CANNOT BE MADE.

POSSIBLE ELECTRONICS SITE -- A POSSIBLE ELECTRONICS SITE LOCATED APPROXIMATELY 8 NM EAST OF THE NE PROBABLE AMM LAUNCH COMPLEX APPEARS SIMILAR IN CERTAIN RESPECTS TO THE SW AND SOUTH-SOUTHEAST PROBABLE ELECTRONIC SITES. THE SITE IS LOCATED IN OPEN TERRAIN AND CONSISTS OF A U-SHAPED BUILDING AND SEVERAL SMALL BUILDINGS, 6 POORLY DEFINED, ROAD-SERVED POSITIONS, AND A BOW ROAD PATTERN. NO TOWERS ARE VISIBLE AT THE 6 POSITIONS.

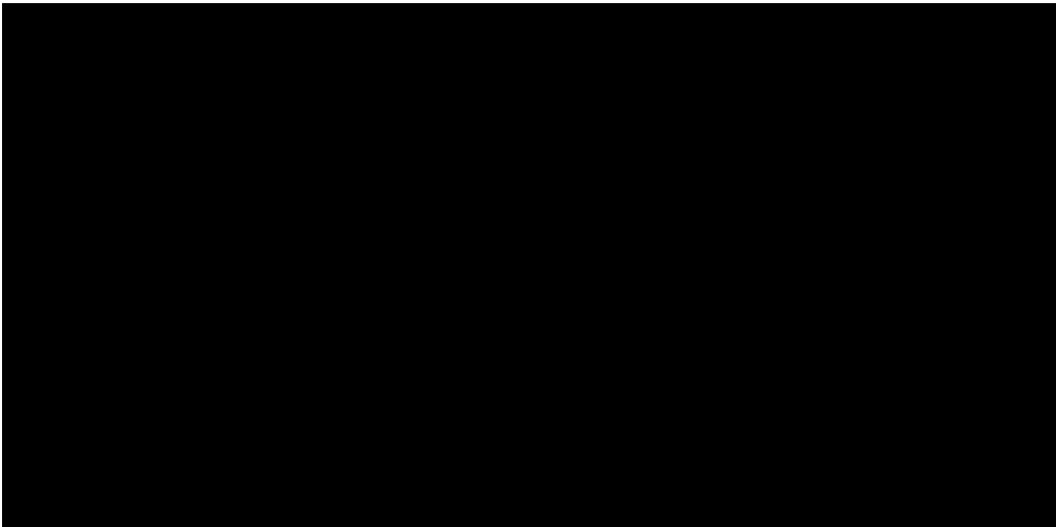
NO HEN EGGS, HEN NESTS, HEN HOUSES, OR ANY OTHER

~~TOP SECRET GHESS BLUE~~

~~TOP SECRET GHESS RUFF~~

NPIC/R-56/63

RELATIVELY NEW ELECTRONIC SITES WERE IDENTIFIED WITHIN  
A 40-NM RADIUS OF LENINGRAD.



25X1D

25X1A



VYBORG, EARLY WARNING RADAR SITE 6043N 02834E

HEAVY SNOW COVER PRECLUDES DETAILED INTERPRETATION  
OF FACILITIES.



25X1D

25X1A



KOSISTY SUSPECT ABM RADAR 7337N 10945E

NO ABM ELECTRONICS FACILITIES OBSERVED IN SEARCH  
AREA, HEAVY HAZE AND SCATTERED CLOUDS LIMIT  
INTERPRETATION.



25X1D

25X1A



ASTRAKHAN POSS ABM RADAR 4620N 04801E

NO EVIDENCE OF ABM-ASSOCIATED FACILITIES OBSERVED  
IN AREAS VISIBLE WITHIN A 25 NM RADIUS OF ASTRAKHAN.  
SEARCH AREA IS MOSTLY CLOUD COVERED.



25X1D

~~TOP SECRET GHESS RUFF~~

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On page 15, map references for the first three SAM Sites listed should read:

Plotted on USATC Series 200, Sheet 325-23A, 1st ed, Jun 58.

25X1D

(ATTACHMENT NO 4) HAVE BEEN NEWLY IDENTIFIED IN THE Leningrad AREA DURING THE OAK READOUT OF [REDACTED] SAM SITES AND A SAM SUPPORT FACILITY NEWLY IDENTIFIED ON [REDACTED] ARE AS FOLLOWS --

25X1D

15 NM WEST OF MINGECHAUR AT 40-45-00N 046-42-55E. NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. SAM SITE IS IN DEFENSE OF MINGECHAUR DAM. PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED, JUN 58.

[REDACTED] 25X1D

11.5 NM SSW OF MINGECHAUR AT 40-35-20N 046-57-40E. NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. SAM SITE IS IN DEFENSE OF MINGECHAUR DAM. PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED, JUN 58.

[REDACTED] 25X1D

10.5 NM SE OF MINGECHAUR AT 40-42-10N 047-15-00E. NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED, JUN 58.

[REDACTED] 25X1D

11 NM NORTH OF MINGECHAUR AT 40-57-10N 047-01-20E. NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED. SAM SITE IS IN DEFENSE OF MINGECHAUR DAM. PLOTTED ON USATC SERIES 200, SHEET 325-18, 1ST ED, MAR 58.

[REDACTED] 25X1D



~~TOP SECRET CHESS RUFF~~

NPIC/R-56/63

On page 16, map references for the Leningrad sites listed should read as follows:

Plotted on USATC Series 200, Sheet 103-25HL, 3d ed, Jun 62.

NEWLY IDENTIFIED SA-3 SAM SITE, COMPLETED.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.

[REDACTED]

25X1D

28 NM NORTH OF LENINGRAD AT 60-24-20N 030-24-00E.  
NEWLY IDENTIFIED SA-3 SAM SITE, COMPLETED.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.

[REDACTED]

25X1D

9 NM SSE OF BAKU AT 40-17-55N 049-54-45E.  
NEWLY IDENTIFIED SA-3 SAM SITE, COMPLETED.  
PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED,  
JUN 58.

[REDACTED]

25X1D

9 NM SW OF BAKU AT 40-16-12N 049-43-30E.  
NEWLY IDENTIFIED SA-3 SAM SITE, COMPLETED.  
PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED,  
JUN 58.

[REDACTED]

25X1D

13.5 NM SW OF BAKU AT 40-17-00N 049-35-10E.  
NEWLY IDENTIFIED SA-2 SAM SITE, COMPLETED.  
PLOTTED ON USATC SERIES 200, SHEET 325-25A, 1ST ED,  
JUN 58.

[REDACTED]

25X1D

~~TOP SECRET CHESS RUFF~~

~~TOP SECRET GHESS RUFF~~

NPIC/R-56/63

27.5 NM WSW OF LENINGRAD AT 59-44-55N 029-28-30E.  
NEWLY IDENTIFIED SA-2 SAM SITE. COMPLETED.

On page 17, map references for the last four Leningrad sites listed on the page should read:

Plotted on USATC Series 200, Sheet 103-25HL, 3d ed, Jun 62.

23.5 NM NORTH OF LENINGRAD AT 60-19-20N 030-14-55E.  
NEWLY IDENTIFIED PROBABLE SAM SITE, TYPE UNKNOWN.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.



25X1D

23.5 NM NORTH OF LENINGRAD AT 60-19-40N 030-17-00E.  
NEWLY IDENTIFIED PROBABLE SAM SITE, TYPE UNKNOWN.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.



25X1D

32.0 NM NORTH OF LENINGRAD AT 60-27-20N 030-12-10E.  
NEWLY IDENTIFIED PROBABLE SAM SITE, TYPE UNKNOWN.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.



25X1D

30.0 NM NNW OF LENINGRAD AT 60-23-50N 029-57-00E.  
NEWLY IDENTIFIED PROBABLE SAM SITE, TYPE UNKNOWN.  
PLOTTED ON USATC SERIES 200, SHEET 153-25HL, 3D ED,  
JUN 62.



25X1D

~~TOP SECRET GHESS RUFF~~

~~TOP SECRET GHESS RUFF~~

NPIC/R-56/63

26.5 NM WEST OF LENINGRAD AT 59-57-00N 029-24-45E.

On page 18, map reference for the final Leningrad site listed should read:

Plotted on USATC Series 200, Sheet 103-25HL, 3d ed, Jun 62.

Also on page 18, map reference for the Mingechaur SAM Support Facility should read:

Plotted on USATC Series 200, Sheet 325-23A, 1st ed, Jun 58.

25X1D

25X1D

2.5 NM SW OF MINGECHAUR AT 40-45-10N 047-00-00E.  
NEWLY IDENTIFIED, COMPLETED SAM SUPPORT FACILITY.  
PLOTTED ON USATC SERIES 200, SHEET 325-25A 1ST ED,  
JUN 58.

25X1D

BONUS 2. IRBM LAUNCH SITE NEAR RAMOYE 6426N 03418E

A NEWLY IDENTIFIED SOFT IRBM LAUNCH SITE IN LATE STAGE OF CONSTRUCTION IS LOCATED 13 NM SW OF BELOMORSK AND ONE NM NORTH OF THE VILLAGE OF RAMOYE AT 64-26-15N 034-18-15E.

THE SITE CONSISTS OF 4 ELONGATED LAUNCH PADS PLACED APPROXIMATELY 730 FT APART. EACH OF THE LAUNCH PADS HAS AN ASSOCIATED READY BUILDING, APPROXIMATELY 220 X 50 FT, LOCATED TO THE SE. THREE OF THE READY BUILDINGS APPEAR COMPLETE WITH THE REMAINING ONE UNDER CONSTRUCTION. A BUNKER IS CENTRALLY LOCATED BETWEEN THE WESTERN PAIR OF PADS, AND THE TYPICAL CENTRALLY LOCATED FIFTH BUILDING SIMILAR IN SIZE TO THE READY BUILDINGS IS PRESENT. THE SITE IS ORIENTED IN A NW DIRECTION. A SUPPORT FACILITY CONTAINING AT LEAST 5 BUILDINGS IS LOCATED IMMEDIATELY SOUTH OF THE SITE. THE SITE IS SERVED BY A GOOD ROAD FROM THE RAIL-SERVED

~~TOP SECRET GHESS RUFF~~

~~TOP SECRET CHIESS RUFF~~

NPIC/R-56/63

TOWN OF SOSNOVETS 5 NM TO THE EAST.  
NO ADDITIONAL SSM ACTIVITY WAS OBSERVED WITHIN A 25 NM  
RADIUS OF THIS NEW SITE. HOWEVER, HEAVY SNOW  
PRECLUDES NEGATION OF THE AREA AS LOCATION FOR AN  
ADDITIONAL SITE. (MAP REFERENCES -- USATC SERIES  
200, SHEET 0091-25AL, AMS SERIES N501, SHEET NQ  
35-36-16).

25X1D



CORRECTION TO OAK - PART II, [REDACTED] (NPIC/R-55/63)

25X1D

25X1A

THE FACILITY REFERRED TO AS LAUNCH SUPPORT AREA  
IN THE PHOTOGRAPHIC REFERENCES FOR DROVYANAYA ICBM  
LAUNCH COMPLEX [REDACTED] ON PAGE 5 SHOULD BE IDENTIFIED  
AS COMPLEX SUPPORT FACILITY.

25X1A

ELECTRONICS

[REDACTED] SAMODED, SUSPECT COMMUNICATIONS FACILITY 6336N 04028E

NO COMMUNICATIONS OR COMMUNICATIONS-ASSOCIATED  
FACILITIES OBSERVED IN CLOUD-FREE AREAS WITHIN A 50  
NM RADIUS OF SAMODED.  
NE QUADRANT OF SEARCH AREA WAS NOT COVERED BY  
PHOTOGRAPHY.

25X1D



INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET  
NUMBERS, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN  
OF MISSION 9053. THE ROMAN NUMERAL UNDER THE OAK  
COLUMN INDICATES THE PART OF OAK 9053 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.

~~TOP SECRET CHIESS RUFF~~

~~TOP SECRET CHESS RUFF~~

NPIC/R-56/63

25X1A

POLYARNYY URAL SUSPECT ICBM AREA	6703N 06524E	II
PLESETSK ICBM LAUNCH COMPLEX	6252N 04040E	I
YURYA ICBM LAUNCH COMPLEX	5903N 04919E	NC
VERKHNYAYA SALDA ICBM LAUNCH COMPLEX	5802N 06023E	I & II
TYURA TAM MISSILE TEST CENTER	4550N 06318E	III
YOSHKAR-OLA ICBM LAUNCH COMPLEX	5634N 04803E	NC
SVOBODNYI ICBM LAUNCH COMPLEX	5146N 12807E	NC
DROVYANAYA ICBM LAUNCH COMPLEX	5132N 11301E	II
KOSTROMA ICBM LAUNCH COMPLEX	5750N 04115E	NO
ITATKA ICBM LAUNCH COMPLEX	5650N 08536E	II
SHADRINSK ICBM LAUNCH COMPLEX	5608N 06340E	NO
OMSK ICBM LAUNCH COMPLEX	5503N 07330E	NC
PERM ICBM LAUNCH COMPLEX	5742N 05619E	NO
TEYKOVO ICBM LAUNCH COMPLEX	5652N 04035E	NO
NYANDOMA POSSIBLE ICBM LAUNCH COMPLEX	6139N 04010E	II
TYUMEN ICBM LAUNCH COMPLEX	5652N 06552E	II
YEDROVO ICBM LAUNCH COMPLEX	5751N 03341E	III
BELOGORSK, SUSPECT SSM AREA	5055N 12828E	NC
GLADKAYA ICBM LAUNCH COMPLEX	5605N 09212E	II
BRATSK, SUSPECT SSM AREA	5605N 10148E	NC
RZHEV, SUSPECT SSM AREA	5615N 03420E	III
SVERDLOVSK, SUSPECT SSM AREA	5650N 06037E	II
NOVOSIBIRSK ICBM LAUNCH COMPLEX	5516N 08257E	II
VELSK, SUSPECT ICBM AREA	6105N 04207E	I
KANDALAKSHA SUSPECT SSM AREA	6709N 03225E	III
MURMANSK, SUSPECT SSM AREA	6858N 03305E	III
SHAKHUNYA, SUSPECT SSM AREA	5740N 04637E	I
BEZHETSK, SUSPECT SSM AREA	5747N 03641E	NO
KIMRY, SUSPECT SSM AREA	5652N 03721E	NO
KOLOZERO, SUSPECT ICBM AREA	6810N 03320E	III
KOZELSK ICBM LAUNCH COMPLEX	5357N 03548E	NO
PETROPAVLOVSK, SUSPECT SSM AREA	5452N 06906E	III
NERCHINSK, SUSPECT SSM AREA	5158N 11635E	III
CHAADAYEVKA, SUSP MISSILE-ASSOCIATED ACTIVITY	5307N 04602E	NO
PIBANSHUR, SUSPECT SSM AREA	5752N 05319E	NO
KOLMAKOVO, SUSPECT SSM AREA	5338N 09229E	III
PETROPAVLOVKA, SUSPECT SSM AREA	5310N 09335E	III
KHILOK SUSPECT INSTALLATION	5122N 11040E	II
BEREZNIKI, SUSPECT SSM AREA	5925N 05643E	II
SARANSK, SUSPECT SSM AREA	5411N 04511E	NO
SOVETSKAYA GAVAN SUSPECT MRBM AREA	4859N 14020E	II
KARANGIT POSS CRUISE-MISSILE LAUNCH SITE	4502N 03557E	NC
VINNITSA HARDENED MRBM/IRBM LAUNCH SITE	4917N 02820E	NC
TALLINN SUSPECT MRBM AREA	5924N 02444E	NC
GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E	II
MUKACHEVO MRBM LAUNCH SITE 1	4819N 02231E	NC
KAMENETS-PODOLSKIY MRBM LAUNCH SITE	4851N 02642E	NO

~~TOP SECRET CHESS RUFF~~

25X1A

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LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E	NC
KIVERTSY MRBM LAUNCH SITE 1	5052N 02530E	NO
SLAVSK MRBM LAUNCH SITE 2	5500N 02129E	II
ZNAMENSK MRBM LAUNCH SITE 1	5433N 02111E	II
GUSEV MRBM LAUNCH SITE 1	5441N 02205E	II
OVRUCH MRBM LAUNCH SITE 1	5117N 02816E	NO
KOROSTEN MRBM LAUNCH SITE 1	5051N 02818E	NO
YELSK MRBM LAUNCH SITE 1	5142N 02912E	NC
BALTA MRBM LAUNCH SITE 1	4801N 02933E	NC
BORKHOV MRBM LAUNCH SITE 1	5218N 03043E	NC
MOLODETSKOYE MRBM LAUNCH SITE	4853N 03027E	NC
KURENETS SUSPECT MRBM AREA	5433N 02657E	II
JONAVA MRBM LAUNCH SITE	5501N 02414E	II
RUSKI MRBM LAUNCH SITE 1	5725N 02650E	NC
POLOTSK MRBM LAUNCH SITE 1	5522N 02844E	NC
VORU MRBM LAUNCH SITE 2	5749N 02650E	NC
IVANOVO MRBM LAUNCH SITE	5210N 02541E	NO
DISNA MRBM LAUNCH SITE	5535N 02815E	NC
VEPRIAI MRBM LAUNCH SITE	5508N 02438E	II
SIMUNA MRBM LAUNCH SITE	5908N 02626E	NC
KROLEVETS IRBM LAUNCH SITE 1	5136N 03328E	NC
PRUZHANY MRBM LAUNCH SITE 1	5230N 02408E	I
GRESK MRBM LAUNCH SITE 1	5314N 02742E	NC
KOZYANY MRBM LAUNCH SITE	5520N 02651E	NC
YEREVAN SUSPECT MRBM AREA	4011N 04430E	NC
TAPA SUSPECT MISSILE AREA	5916N 02558E	NC
RAGNIT PROBABLE MRBM LAUNCH SITE	5501N 02211E	II
LIDA MRBM LAUNCH SITE 1	5347N 02521E	I
VSELYUB MRBM LAUNCH SITE 1	5346N 02543E	I
DYATLOVO MRBM LAUNCH SITE	5333N 02516E	I
BYTEN MRBM LAUNCH SITE 1	5252N 02521E	I
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	II
BORKOVICHI MRBM LAUNCH SITE	5542N 02827E	NC
KARA-BABAU POSS HARDENED IRBM LAUNCH SITE	4431N 07758E	NO
AKHTYRKA MRBM LAUNCH SITE 1	5015N 03450E	NC
BREST MRBM LAUNCH SITE 1	5149N 02401E	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
GRODNO SUSPECT MRBM AREA	5339N 02350E	II
KUSHKA, SUSPECT SSM AREA	3516N 06224E	NC
RISTI MRBM LAUNCH SITE 2	5906N 02406E	NC
KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1	5210N 02751E	NO

25X1A

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BERDICHEV MRBM LAUNCH SITE	5005N 02822E	NO
SHCHUCHIN, SUSPECT MRBM AREA	5336N 02445E	I
NAVVOY, SUSPECT MRBM AREA	4009N 06522E	II
LEJASCIEMS MRBM LAUNCH SITE	5721N 02644E	NC
TAURAGE MRBM LAUNCH SITE 3	5505N 02219E	II
MARIJAMPOLE, SUSPECT MRBM AREA	5433N 02321E	II
SVISLOCH, SUSPECT SSM AREA	5326N 02859E	NC
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13343E	NC
UGOLNYY MRBM LAUNCH SITE	6446N 17758E	NC
URECHYE MRBM LAUNCH SITE	5311N 02758E	NC
TIKSI, SUSPECT SSM SITE	7138N 12852E	II
KURDZHIPS KAYA MRBM LAUNCH SITE	4431N 04000E	NC
ROGAS, SUSPECT MRBM SITE	5654N 02440E	II
KAMENNY MOST HARDENED MRBM/IRBM LAUNCH SITE	4758N 03053E	NC
SAKI, SUSPECT SSM AREA	4707N 03336E	NC
TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 1	6828N 03315E	NO
SKRUNDA HARDENED IRBM LAUNCH SITE	5635N 02149E	I
BULZHINO, SUSPECT LAUNCH SITE	5615N 02819E	NC
DUBROVO, POSS MISSILE-ASSOCIATED ACTIVITY	5228N 03003E	NC
GRANOV HARDENED IRBM LAUNCH SITE	4849N 02930E	NO
SMORGON HARDENED IRBM LAUNCH SITE 2	5426N 02618E	II
SEMOVKA HARDENED MRBM/IRBM LAUNCH SITE	4758N 03059E	NC
TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 2	6830N 03323E	I
BOLEKHOV HARDENED MRBM/IRBM LAUNCH SITE	4906N 02351E	NC
KHMELNITSKIY HARDENED MRBM/IRBM LAUNCH SITE	4924N 02708E	NO
STRYY HARDENED MRBM/IRBM LAUNCH SITE	4916N 02343E	NC
VLADIMIR VOLYNSKIY HARDENED MRBM/IRBM SITE	5048N 02442E	NO
GURELOVO HARDENED MRBM/IRBM LAUNCH SITE	5925N 02852E	III
OTYNYA HARDENED MRBM/IRBM LAUNCH SITE	4847N 02450E	NC
ZEMAICIU KALVARIJA HARD MRBM/IRBM LAUNCH SITE	5601N 02153E	III
BRODY HARDENED MRBM/IRBM LAUNCH SITE	5006N 02512E	NO
RUDNYA ZLOTINSKAYA HARD MRBM/IRBM LAUNCH SITE	5104N 02807E	NO
LIELELEJA HARDENED MRBM/IRBM LAUNCH SITE	5624N 02336E	III
IECAVA HARDENED MRBM/IRBM LAUNCH SITE	5633N 02420E	III
SHESTOVO POSSIBLE HARDENED IRBM LAUNCH SITE 1	6257N 04013E	II
SHESTOVO POSSIBLE HARDENED IRBM LAUNCH SITE 2	6258N 04011E	II
BUYNAKSK, SUSPECT SSM AREA	4250N 04705E	III
TALSI, SUSPECT SSM AREA	5731N 02221E	II
KIROVOBAD, SUSPECT SSM AREA	4040N 04620E	III
SMORGON IRBM LAUNCH SITE 3	5436N 02623E	III
GEBEL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT)	3007N 03037E	NC
REDKINO HARDENED MRBM/IRBM LAUNCH SITE	5724N 02826E	NC
TYM PROBABLE HARDENED MRBM/IRBM LAUNCH SITE	3935N 06542E	NC
TAYBOLA PROB HARDENED MRBM/IRBM LAUNCH SITE	6825N 03329E	NO
NOVOSYSOYEVKA PROB HARD MRBM/IRBM LAUNCH SITE	4407N 13327E	NC
SHIRVANSKAYA HARDENED MRBM/IRBM LAUNCH SITE	4425N 03954E	NC
TSIRGULIINA HARDENED MRBM/IRBM LAUNCH SITE	5749N 02612E	NC
SEMOVKA HARDENED MRBM/IRBM LAUNCH SITE 2	4753N 03057E	NC
LEBEDIN IRBM LAUNCH SITE 3 UNDER CONSTRUCTION	5038N 03427E	NC

~~TOP SECRET CHASS BUEE~~

25X1A

NPIC/R-56/63

KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N	04545E	II
SARY SHAGAN ANTIMISSILE TEST CENTER	4602N	07334E	II
SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)	4105N	10015E	I
TU-KO-MA-CHING, MISSILE TEST RANGE (CHINA)	4051N	10941E	NC
KAMCHATKA PENINSULA, SUSPECT ABM AREA	5600N	16000E	NO
SEMIPALATINSK NW PG, POSSIBLE ABM LAUNCH AREA	5043N	07837E	NC
EMBA MISSILE TEST CENTER	4836N	05758E	NC
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N	03459E	NC
MOSCOW GUIDED MISSILE PLANT KHMINKI 456	5554N	03727E	NO
MOSCOW GM PLT & EXPMT STA KALININGRAD 88	5555N	03748E	NO
ZAGORSK SUSPECT STATIC TEST FAC KRASNOZAVODSK	5627N	03812E	NO
KURUMOCH ROCKET ENGINE TEST FACILITY	5331N	04949E	NO
PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172	5802N	05617E	NO
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N	05615E	NO
KRASNOYARSK ARMS PLANT VOROSHILOV 4	5600N	09269E	I
KRASNOYARSK STATIC TEST STAND	5605N	09327E	I
KUYBYSHEV AIRCRAFT ENGINE PLANT FRUNZE 24	5312N	05017E	NO
KUYBYSHEV AIRFRAME PLANT STALIN 1	5313N	05018E	NO
KUYBYSHEV AIRFRAME PLANT LENIN 18	5313N	05019E	NO
OMSK AIRCRAFT PLANT 166	5458N	07326E	NC
OMSK AIRCRAFT ENGINE PLANT BARANOVA 29	5457N	07326E	NC
OMSK AREA, POSSIBLE STATIC TEST AREA	5527N	07322E	NC

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SVERDLOVSK, SUSPECT STATIC TEST STAND	5652N	06037E	I
UFA AIRCRAFT ENGINE PLANT A-26	5447N	05607E	I
UFA AIRCRAFT ENGINE PLANT B-26	5447N	05604E	I
VORONEZH, STATIC TEST FACILITY	5134N	03908E	I
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	I
TAI-YUAN EXPLOSIVES & AMMO PROD COMPLEX (CH)	3759N	11233E	NC
KUTAIISI MOTOR VEHICLE PLANT	4216N	04237E	NC
HELWAN MUNITIONS PLANT 63 (EGYPT)	2952N	03122E	NC
CAIRO AIRCRAFT PLANT HELWAN (EGYPT)	2949N	03119E	NC
PEIPING, STATIC TEST FACILITY (CHINA)	3950N	11608E	NO
LU-SHUN CRUISE-MISSILE LAUNCH SITE (CHINA)	3849N	12127E	I

25X6

MEDVED SUSPECT MRBM AREA	5818N	03031E	II
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MARCIENA (MARTSIENA) POSS MISSILE SUPP INSTL	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	I
LIEN-SHAN CRUISE-MISSILE LAUNCH SITE (CH)	4042N	12052E	I
HO-FEI AIRFIELD (CHINA)	3151N	11719E	NC
NONGKODJADJAR, RPTD MISSILE SITE (INDONESIA)	0754S	11237E	NO

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ZAKOPYTYE, SUSPECT SSM AREA	5225N 03130E	NC
KHARGA OASIS, SSM SEARCH (EGYPT)	2535N 03038E	NC
BAHARIYA OASIS, SSM SEARCH (EGYPT)	2826N 02849E	NC
AL ISKANDARIYAH-AS SUWAYS SSM SEARCH (EGYPT)	3035N 03010E	NC
CAIRO, SAM SEARCH AREA (EGYPT)	3004N 03115E	NC
DAMASCUS, SUSPECT SAM AREA (SYRIA)	3330N 03615E	NC
QUNAYTIRAH, SUSPECT SAM AREA (SYRIA)	3307N 03549E	NC
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	6434N 03949E	NO
SEVEROMORSK SUSPECT MISSILE STORAGE	6906N 03328E	NO
KOMSOMOLSK SHIPYARD AMUR 199	5033N 13702E	NC
SAYDA GUBA SUBMARINE BASE	6915N 03321E	NO
BALTIYSK NAVAL BASE	5439N 01955E	NC
OLENYA GUBA SUBMARINE BASE	6913N 03323E	NO
POLYARNYY NAVAL BASE	6912N 03328E	I
LITSA BAY, SUBMARINE BASE	6926N 03224E	NO
PETROPAVLOVSK-KAMCHATSKIY SUBMARINE BASE	5255N 15830E	NO
VLADIMIR SUBMARINE BASE	4355N 13528E	NC
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	4306N 13156E	NC
KALININGRAD NAVAL MISSILE FACILITIES	5450N 02028E	NC
SEVASTOPOL POSSIBLE NAVAL MISSILE STORAGE	4436N 03340E	NC
URA GUBA, PROBABLE NEW NAVAL BASE	6920N 03249E	NO
KISLAYA GUBA, SUSPECT SS BASE	6632N 03306E	I
DOLGAYA NAVAL BASE	6915N 03350E	NO
PALA GUBA NAVAL BASE	6912N 03326E	NO
PETROVKA SHIPYARD	4307N 13220E	NC
STRELOK STRAIT NAVAL BASE ANNA	4252N 13232E	NC
VOSTOK BAY NAVAL BASE LIVADIYA	4252N 13241E	NC
BUKHTA ABREK AREA, NAVAL OPERATING BASE	4255N 13225E	NC
DUNAY NAVAL MISSILE STORAGE	4256N 13220E	NC
SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263	4858N 14017E	II
SVERDLOVSK SUSPECT ABM AREA	5650N 06037E	II
MOSCOW SUSPECT ABM AREA	5545N 03737E	NO
LENINGRAD PROBABLE AMM COMPLEXES	5955N 03020E	III
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	NO
TIKSI, SUSPECT ABM AREA	7202N 12829E	II
KHATANGA, SUSPECT ABM AREA	7159N 10230E	II
KIGILYAKH, SUSPECT ABM AREA	7325N 13959E	NO
PORKHOV EARLY-WARNING RADAR SITE	5744N 02940E	NC
TAPA EARLY WARNING RADAR SITE	5919N 02600E	NC
VYBORG, EARLY WARNING RADAR SITE	6043N 02834E	III
AMDERMA SUSPECT ABM RADAR	6943N 06145E	NC
KOSISTY SUSPECT ABM RADAR	7337N 10945E	III
ARKHANGELSK POSS ABM RADAR	6433N 04032E	NO
GOMEL POSS ABM RADAR	5225N 03100E	NC

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ASTRAKHAN POSS ABM RADAR	4620N 04801E III
SHUANG-CHENG-TZU, POSS ABM RADAR (CHINA)	4108N 10015E I
DIKSON, POSSIBLE ABM RADAR	7331N 08022E NC
NOVAYA ZEMLYA, POSSIBLE ABM RADAR	7300N 05500E NC
KALIDJATI AIRFIELD (INDONESIA)	0633S 10740E NC
YUN-CHENG, SUSPECT SAM AREA (CHINA)	3502N 11058E NC
FU-SHIH, SUSPECT SAM AREA (CHINA)	3633N 10926E NC
LIN-FEN, SUSPECT SAM AREA (CHINA)	3602N 11130E NC
SALMAN PAK, SUSPECT SAM AREA (IRAQ)	3306N 04435E I
CAMP TAJI, SUSPECT SAM AREA (IRAQ)	3330N 04414E I
ABU GHURAYB, SUSPECT SAM AREA (IRAQ)	3317N 04359E I
HABBANIYAH, SUSPECT SAM AREA (IRAQ)	3225N 04326E NC
BAGHDAD NORTH, SUSPECT SAM AREA (IRAQ)	3319N 04424E I
SULAICH, SUSPECT SAM SITE (IRAQ)	3323N 04421E I
CAMP WASHASH, SUSPECT SAM SITE (IRAQ)	3318N 04422E I
DASHUR SAM TRAINING AREA (EGYPT)	2948N 03100E NC
ASTRA KSETRA, POSSIBLE SAM AREA (INDONESIA)	0430S 10515E I
TAJI STATION, SUSPECT SAM AREA (IRAQ)	3327N 04435E I
ARKHANGELSK/KOLM AFLD ASM SUPT	6421N 04043E NC
CHEPELEVKA AIRFIELD	4947N 03026E NC
DOLON AIRFIELD	5032N 07912E NC
ENGELS AIRFIELD	5129N 04611E NO
SIAULIAI AIRFIELD	5553N 02323E I
UKRAINA AIRFIELD	5110N 12826E NC
BORZYA NORTHWEST AIRFIELD	5024N 11623E I
BARANOVICHI AIRFIELD	5306N 02603E I
MINSK/MACHULISHCHE AIRFIELD	5347N 02734E NC
OLENYA AIRFIELD	6809N 03327E II
STRYY AIRFIELD	4914N 02348E NC
SREDNIY AIRFIELD	7930N 09110E NC
NORILSK AIRFIELD	6919N 08756E NC
MYS SHMIDTA AIRFIELD	6853N 17924W NO
GOFMANA AIRFIELD	8116N 06015E NC
NAGURSKAYA AIRFIELD	8047N 04733E NC
BELAYA AIRFIELD	5254N 10335E NC
BYKHOV AIRFIELD	5331N 03012E NC
MOZDOK AIRFIELD	4347N 04436E NC
PITU AIRFIELD (INDONESIA)	0203N 12818E NC
KALININGRAD/PROVEREN AIRFIELD	5446N 02025E NC
PRILUKI AIRFIELD	5034N 03219E NC
POLTAVA AIRFIELD	4937N 03430E NC
ORSHA SOUTHWEST AIRFIELD	5426N 03018E NC
BELAYA TSERKOV AIRFIELD	4947N 03001E NC
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E NO
ZHITOMIR/SKOMOROKHI AIRFIELD	5010N 02844E NO
NEZHIN AIRFIELD	5105N 03152E NC
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E NO
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E NC
BOBRUYSK AIRFIELD	5306N 02912E NC

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NOVOROSIYSK NAVAL BASE	4443N 03746E	NC
CONSTANTA NAVAL BASE	4409N 02839E	NC
MANGALIA NAVAL BASE (RUMANIA)	4348N 02832E	NC
SOZOPOL NAVAL BASE (BULGARIA)	4225N 02741E	NC
POTI NAVAL BASE & SHIPYARD YELYAVA 201	4209N 04139E	NC
BALAKLAVA SUBMARINE BASE	4430N 03336E	NC
SEVASTOPOL NAV BASE & SHIPYARD SEVMORZAVOD	4974436N 03332E	NC

25X9

LU-HSIEN EXPLOSIVES PLANT, 23D ARSENAL (CHINA) 2853N 10523E NC

25X9

KILDIN ISLAND, INSTRUMENTATION SITE	6922N 03412E	II
MARKOVO, SUSPECT ELECTRONICS FACILITY	6440N 17025E	II
BARANOVKA, SUSPECT ELECTRONICS FACILITY	4648N 13721E	NC
ANADYR, SUSPECT ELECTRONICS FACILITY	6444N 17728E	NC
SAMODED, SUSPECT COMMUNICATIONS FACILITY	6336N 04028E	III
WADI AN NATRUN RADAR STATION (EGYPT)	3025N 03025E	NC
NING-MING, TRANSSHIPMENT POINT (CHINA)	2212N 10705E	NC
HSI-NING TO LHASA ROAD (CHINA)	3637N 10155E	II
TI-HUA TO RUDOG ROAD (CHINA)	4348N 08735E	I
CHENG-TU TO LHASA ROAD (CHINA)	3040N 10404E	II
HUNG-LIU-YUAN TO LHASA ROAD (CHINA)	4102N 09532E	II
HSI-AN COMPLEX (CHINA)	3417N 10857E	NC
PAO-TOU COMPLEX (CHINA)	4040N 10948E	NC
DJAKARTA COMPLEX (INDONESIA)	0610S 10650E	I
SURABAJA COMPLEX (INDONESIA)	0715S 11245E	I
ANGARSK PETROLEUM REFINERY	5234N 10354E	NC
POLOTSK PETROLEUM REFINERY	5537N 02833E	NC
LOP NOR AREA, CIRCULAR GROUND SCAR (CHINA)	4045N 08940E	NC

25X9

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