

TOP SECRET

16838

Copy 243  
58 Pages

[Redacted Box]

25X1

March 1965

PHOTOGRAPHIC INTERPRETATION REPORT

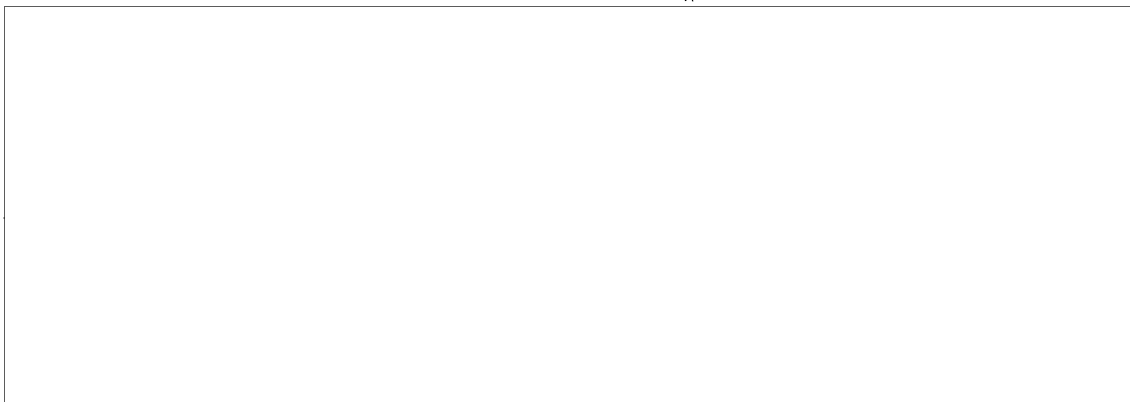
OAK - PART III  
MISSION 4016  
13-16 MARCH 1965



CIA

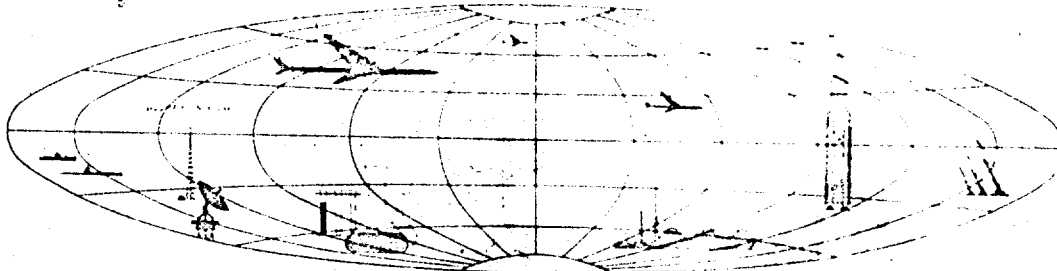


DIA



25X1

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



TOP SECRET

Excluded from automatic  
downgrading and declassification

TOP SECRET CHESS RUFF  
MISSION 4016 13-16 MARCH 1965

25X1  
25X1

TABLE OF CONTENTS

PREFACE	2
TRACK OF MISSION	3
HIGHLIGHTS	7
MISSILES	9
AIR FACILITIES	16
NUCLEAR ENERGY	22
NAVAL ACTIVITY/PORTS	26
BIOLOGICAL/CHEMICAL WARFARE	29
ELECTRONICS/COMMUNICATIONS	30
MILITARY ACTIVITY	35
COMPLEXES	41
OTHER ACTIVITY	45
ATTACHMENTS	APPENDIX

25X1

**TOP SECRET CHESS RUFF**

MISSION 4016, 13-16 MARCH 1965

25X1

25X1

**OAK - PART III**

**MISSION 4016**

PREFACE

THIS IS THE THIRD OF SEVERAL OAK REPORTS ON MISSION 4016 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

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. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. ABSENCE OF THESE LETTERS INDICATES THAT THESE ARE FRAME AND INDEX NUMBERS. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

**TOP SECRET CHESS RUFF**

25X1

**Page Denied**

Next 3 Page(s) In Document Denied

● **Highlights**

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

25X1

HIGHLIGHTS

1. LIELELEJA MRBM LAUNCH SITE

25X1

COMPLETED TYPE IV (HARD MRBM) LAUNCH SITE WITH A NUCLEAR WARHEAD FACILITY UNDER CONSTRUCTION. ALL 4 SILOS AT THE LAUNCH SITE ARE COVERED BY A BUILDING-LIKE STRUCTURE.

2. TALLINN AMM/SAM LAUNCH COMPLEX

25X1

LAUNCH SITES A AND B APPEAR IN A LATE STAGE OF CONSTRUCTION WHILE SITES C, D, AND E ARE IN A LESS ADVANCED STAGE. A FORK-LIKE PATTERN IS NEWLY OBSERVED WITHIN 5 OF THE LAUNCH POSITIONS AT LAUNCH SITE A AND THE 6 LAUNCH POSITIONS AT LAUNCH SITE B. THIS FORK-LIKE PATTERN STRONGLY RESEMBLES THOSE OBSERVED AT LAUNCH SITE 3, LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER. THE PREVIOUSLY REPORTED UNIDENTIFIED FACILITY EAST OF THE LAUNCH AREA IS IDENTIFIED AS AN ELECTRONIC SITE BECAUSE OF ITS SIMILARITY TO THE FACILITY AT THE LENINGRAD NORTHWEST PROBABLE AMM LAUNCH COMPLEX.

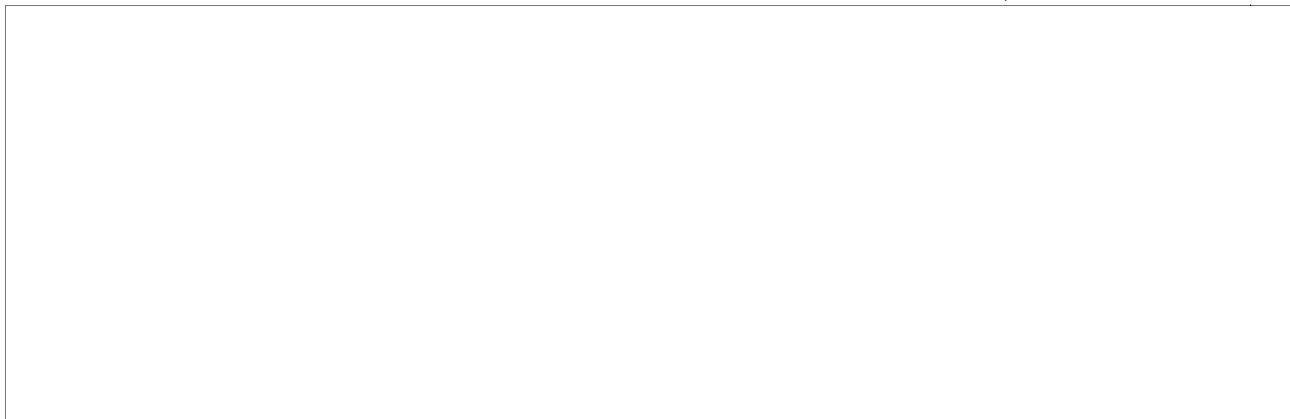
25X1

25X1

TOP SECRET CHESS RUFF  
MISSION 4016 13-16 MARCH 1965



25X1  
25X1



25X1

7. NIZHNE YANSK TALL KING AW RADAR FACILITY 

25X1

A TALL KING AW RADAR FACILITY IS NEWLY IDENTIFIED AT 71-27N 136-10E, IMMEDIATELY NORTH OF NIZHNE YANSK AND APPROXIMATELY 26 NM NNW OF UST-YANSK.

8. NYANDOMA SENSITIVE OPERATIONS COMPLEX 

25X1

SECOND BUNKER IN THE OPERATIONS AREA IS BEING EARTH-COVERED, AND CONSTRUCTION ON THE THIRD BUNKER CONTINUES.

STATUS OF COMOR TARGET READOUT

ONE HUNDRED THIRTEEN COMOR TARGETS WERE OBSERVED DURING THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

NOTE -- COMOR TARGETS OUTSIDE THE KH-7 SYSTEM ARE INDICATED BY THE ABSENCE OF THE M PREFIX.



25X1

**Missiles**



TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1

MISSILES

TYUMEN ICBM LAUNCH AREA A (SITE 3)

UR 5651N 06533E

IDENTIFICATION ONLY.



25X1

25X1

TYUMEN ICBM LAUNCH AREA C (SITE 2)

UR 5650N 06526E

IDENTIFICATION ONLY.



25X1

LEBEDIN IRBM LAUNCH SITE 2

UR 5035N 03424E

COMPLETED TYPE III IRBM LAUNCH SITE WITH A CLASS C NUCLEAR WARHEAD FACILITY. EACH LAUNCH PAD IS OCCUPIED BY AN ERECTOR AND LAUNCH STAND. TWO LARGE RECTANGULAR UNIDENTIFIED OBJECTS ARE ON THE ROAD BETWEEN THE EASTERMOST LAUNCH PAD AND READY BUILDING. SEVEN PROBABLE TRANSPORTERS, 3 LARGE RECTANGULAR UNIDENTIFIED OBJECTS, AND APPROXIMATELY 15 SMALL VEHICLES ARE PARKED IN THE VEHICLE MAINTENANCE AND STORAGE SECTION OF THE SITE SUPPORT FACILITY. ONE LARGE BUILDING IS UNDER CONSTRUCTION IN THIS SECTION. NO MISSILES ARE IDENTIFIABLE IN THE LAUNCH AREA. NO CHANGE IN ESTABLISHED MENSURATION.



25X1

KIVERTSY MRBM LAUNCH SITE 2

UR 5057N 02536E

A SMALL BUILDING IS NOW VISIBLE AT THE END OF A SHORT ROAD LOCATED TO THE REAR OF, AND PERPENDICULAR TO, EACH PAD. ERECTORS ARE VISIBLE ON 3 OF THE 4 LAUNCH PADS AND AN UNDETERMINED NUMBER OF VEHICLES/PIECES OF EQUIPMENT ARE PRESENT ON 2 PADS. AT LEAST 17 VEHICLES ARE VISIBLE PARKED IN THE TECHNICAL SECTION. A NEW FENCE IS UNDER CONSTRUCTION SURROUNDING THE ENTIRE INSTALLATION. NO CHANGE IN ESTABLISHED MENSURATION.



25X1



25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

STRYY MRBM LAUNCH SITE

UR 4916N 02343E

NO APPARENT CHANGE SINCE [REDACTED] MAR 65. NUMEROUS VEHICLE AND PEDESTRIAN TRACKS OBSERVED IN LAUNCH SITE AND SITE SUPPORT FACILITY. NO CHANGES IN ESTABLISHED MENSURATION.

LIELELEJA MRBM LAUNCH SITE

UR 5624N 02336E

[REDACTED] ALL 4 SILOS AT THE LAUNCH SITE ARE COVERED BY A BUILDING-LIKE STRUCTURE. ONE SMALL BUILDING IS LOCATED BETWEEN AND APPROXIMATELY 50 FT SOUTH OF THE SOUTHERN 2 LAUNCH SILOS. THREE OTHER SMALL BUILDINGS ARE WITHIN THE DOUBLE-FENCED LAUNCH SITE, ALL LOCATED NORTH OF THE LAUNCH SILOS AND WEST OF THE SITE SERVICE ROAD. FIVE SMALL BUILDINGS ARE LOCATED IMMEDIATELY OUTSIDE THE NW CORNER OF THE DOUBLE-FENCED LAUNCH SITE. THE SITE SUPPORT FACILITY CONTAINS 13 LARGE AND APPROXIMATELY 10 SMALL BUILDINGS. TEN OTHER SMALL BUILDINGS ARE LOCATED IN 3 AREAS WEST OF THE MAIN SITE SUPPORT FACILITY. NO COMMUNICATIONS/ELECTRONIC FACILITIES IDENTIFIABLE. NO CHANGE IN ESTABLISHED MENSURATION.

LEBEDIN IRBM LAUNCH SITE 3

UR 5038N 03427E

[REDACTED] THE READY BUILDING WHICH WOULD NORMALLY OCCUPY THE POSITION TO THE REAR OF THE WESTERNMOST LAUNCH PAD IS NOT PRESENT. THIS LEAVES 4 READY BUILDINGS AT THE SITE INSTEAD OF THE NORMAL 5. AN ERECTOR IS PRESENT ON 3 OF THE LAUNCH PADS. LAUNCH STANDS ARE PRESENT ON ALL 4 PADS. A LARGE, RECTANGULAR UNIDENTIFIED OBJECT IS IN FRONT OF THE WESTERNMOST READY BUILDING. TWO SMALL VEHICLES AND A SMALL BUILDING ARE LOCATED IN A CLEARING NEAR THE EASTERN LAUNCH PAD. FOUR AND A POSSIBLE FIFTH TRANSPORTER WITH PRIME MOVERS, PLUS APPROXIMATELY 20 SMALLER VEHICLES, ARE PARKED IN A CLEARING ADJACENT TO THE EASTERNMOST READY BUILDING. TWO SMALL BUILDINGS ARE ALSO LOCATED

25X1  
25X1

25X1  
25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1

IN THE CLEARING.

THE SITE SUPPORT FACILITY CONTAINS 13 LARGE AND APPROXIMATELY 10 SMALL BUILDINGS. ADJACENT TO THE ROAD BETWEEN THE SITE SUPPORT FACILITY AND THE LAUNCH SITE ARE 3 CLEARINGS, 1 CONTAINING 2 SMALL BUILDINGS, AND EACH OF THE OTHER 2 CONTAINING 1 SMALL RECTANGULAR BUILDING. NO MISSILES ARE IDENTIFIABLE IN THE LAUNCH AREA. NO CHANGE IN ESTABLISHED MENSURATION.



25X1

GUBA SAYDA PROB NAVAL MISSILE STORAGE UR 6915N 03320E

NO APPARENT CHANGE IN FACILITIES SINCE JUN 64.



25X1

25X1

25X1



GUBA SAYDA SUBMARINE BASE

UR 6915N 03321E

VESSELS -- AT LEAST 3 UNIDENTIFIED SS, 5 PROBABLE SS (1 UNDERWAY), AND 3 UNIDENTIFIED VESSELS OBSERVED THROUGH HAZE WHICH PRECLUDES A DETAILED INTERPRETATION OF VESSELS. -- 2 PROBABLE G-CLASS SSB, 5 UNIDENTIFIED SS, 1 PROBABLE DON-CLASS AS, 2 UNIDENTIFIED AUXILIARIES, 1 PROBABLE FLOATING CRANE, AND 4 UNIDENTIFIED VESSELS. ONE PROBABLE H-CLASS SSBN IS UNDERWAY OUTBOUND 1,000 YARDS SE OF TOROS ISLAND. POOR VESSEL/WATER CONTRAST PREVENTS FURTHER INTERPRETATION.

(SEE ATTACHMENT)



25X1

25X1

25X1

SEVASTOPOL PROB NAVAL MISSILE STORAGE FAC UR 4436N 03340E

AREA A -- NO SIGNIFICANT CHANGE SINCE APR 64. SIXTEEN TRUCKS AND 6 LONG UNIDENTIFIED VEHICLES ARE PARKED IN NE SECTOR.



25X1

AREA B -- 2 BUNKERED DRIVE-IN BUILDINGS HAVE BEEN ADDED



25X1

25X1



TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

[Redacted]

[Redacted]

25X1

AREA C -- NO CHANGE SINCE [Redacted]

25X1

AREA D -- NOW CONTAINS A SINGLE LONG DRIVE-IN OR DRIVE-THROUGH BUILDING WITH A FIRE WALL NEAR ITS MID-POINT. APPROXIMATELY 50 VEHICLES ARE PARKED IN THIS AREA.

AREA E -- NO SIGNIFICANT CHANGE SINCE MISSION 4007. APPROXIMATELY 65 TRUCKS/TRAILERS ARE PARKED IN THIS AREA.

NO INDICATIONS OF NUCLEAR WEAPONS STORAGE OBSERVED.

[Redacted]

25X1

STRELOK STRAIT SUBMARINE BASE PAVLOVSKOGO UR 4252N 13232E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE [Redacted] SEP 63.

25X1

VESSELS -- 1 H-CLASS SSBN, 1 POSSIBLE C-III-CLASS OSS, 1 POSSIBLE ADG, AND 1 PROBABLE AD.

(SEE ATTACHMENT)

[Redacted]

25X1

STRELOK STRAIT NAVAL MSL STOR PAVLOVSKOGO UR 4254N 13234E

DOUBLE-SECURED AREA IS DIVIDED INTO 2 SECTIONS BY AN INNER FENCE. THE WEST SECTION CONTAINS 2 EARTH-COVERED DRIVE-IN BUILDINGS, 1 DRIVE-IN SHOP-TYPE BUILDING WITH A HIGH BAY, AND A WALLED VEHICLE PARK.

25X1

25X1

[Redacted] 1 DRIVE-IN SHOP-TYPE BUILDING, 1 SMALLER BUILDING WITH A HIGH BAY, AND 2 OTHER BUILDINGS.

25X1

NO APPARENT CHANGE SINCE [Redacted] SEP 63 AT THE SUPPORT AREA. LOCATED IN THE SUPPORT AREA VEHICLE PARK ARE 4 POSSIBLE MISSILE TRANSPORTERS (WHEEL-BASE [Redacted] 2 OF THEM WITH A POSSIBLE MISSILE 30-35 FT LOA.

25X1

25X1

(SEE ATTACHMENT)

[Redacted]

25X1

25X1

[Redacted]

TOP SECRET CHESS RUFF

25X1

MISSION 4016 13-16 MARCH 1965

TALLINN AMM/SAM LAUNCH COMPLEX

UR 5924N 02419E

25X1

THE COMPLEX IS COVERED ON CLEAR, FAIR QUALITY,  
NON-STEREO PHOTOGRAPHY WITH GROUND SNOW.

LAUNCH SITES A AND B APPEAR IN A LATE STAGE OF  
CONSTRUCTION WHILE SITES C, D, AND E ARE IN A LESS  
ADVANCED STAGE. CONSTRUCTION OF ALL LAUNCH POSITION  
WALLS IS NOW COMPLETE AND ALL APPEAR TO BE EARTH  
COVERED. THE COVERING OF THE MAJORITY OF THESE WALLS  
WAS IN AN EARLY OR MID STAGE ON [REDACTED] AUG 64.  
A CURVED REVETMENT IS NOW SITUATED OPPOSITE THE OPEN  
SIDE OR OPEN END OF ALL REVETTED LAUNCH POSITIONS.  
MOST OF THESE WERE CONSTRUCTED SUBSEQUENT TO AUG 64. A  
FORK-LIKE PATTERN IS NEWLY OBSERVED WITHIN 5 OF THE  
LAUNCH POSITIONS AT LAUNCH SITE A (THE SIXTH IS SNOW  
COVERED) AND AT THE 6 LAUNCH POSITIONS AT LAUNCH SITE  
B. NONE ARE OBSERVED AT SITES C, D, AND E. THE LEGS  
OF THE FORK PATTERN ARE APPROXIMATELY 145 FT LONG.  
THEY CONVERGE WHERE EXCAVATIONS WERE OBSERVED IN AUG  
64, AND ARE SEPARATED BY A DISTANCE OF [REDACTED]

25X1

[REDACTED] AT THE OPPOSITE END OF THE REVETMENT. AT LAUNCH  
POSITIONS A-2 AND A-3, A SMALL UNIDENTIFIED DARK OBJECT  
ON A LIGHT-TONED BASE IS VISIBLE WHERE EXCAVATIONS WERE  
OBSERVED IN AUG 64. THIS FORK-LIKE PATTERN STRONGLY  
RESEMBLES AND CLOSELY EQUATES DIMENSIONALLY TO THAT  
OBSERVED AT REVETTED LAUNCH POSITION 5 AND UNRETTED  
LAUNCH POSITION 6 AT LAUNCH SITE 3, LAUNCH COMPLEX A,  
AT SARY-SHAGAN ANTIMISSILE TEST CENTER. SQUARE  
PATTERNS ARE VISIBLE WITHIN A FEW LAUNCH POSITIONS  
WHERE EXCAVATIONS WERE OBSERVED IN AUG 64. THESE  
CANNOT BE CONFIRMED AS EXCAVATIONS ON CURRENT  
PHOTOGRAPHY. SNOW REMAINS WITHIN SEVERAL OF THE LAUNCH  
POSITIONS ALTHOUGH MOST ROADS SERVING THEM ARE CLEAR.

25X1  
25X1

A POSSIBLE STRUCTURE IS LOCATED AT THE SAME POSITION  
WITHIN THE PROBABLE CENTRAL GUIDANCE AREAS OF LAUNCH  
SITES A AND B. THE CENTRAL AREA OF LAUNCH SITE D  
REMAINS UNDEVELOPED. NO SIGNIFICANT CHANGE IS OBSERVED  
IN THE CENTRAL AREAS OF LAUNCH SITES C AND E.

NEW CONSTRUCTION HAS OCCURRED SINCE [REDACTED] AUG  
64 IN THE AREA WEST OF THE LAUNCH AREA MAIN ROAD. A  
500-FT REVETMENT WALL HAS BEEN CONSTRUCTED ALONG 1 SIDE  
OF AN EXISTING HARDSTAND. TWO REVETTED U-SHAPED AREAS,  
EACH WITH 3 WALLS, HAVE BEEN PREPARED IMMEDIATELY NORTH  
AND EAST OF THIS HARDSTAND, 1 WITH A 400-FT WALL WITH  
END WALLS MEASURING 185 FT, AND THE OTHER WITH WALLS  
MEASURING 210 AND 195 FT.

25X1

13

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF



25X1

MISSION 4016 13-16 MARCH 1965

THERE HAS BEEN CONSIDERABLE EXPANSION OF THE ROAD SYSTEM IN THIS GENERAL AREA. A NORTH-SOUTH GROUND SCAR EXTENDS THROUGH THIS AREA TOWARD THE BUILDING AREA AT THE SW CORNER OF THE COMPLEX. ONE BUILDING AND A PROBABLE BUILDING ARE UNDER CONSTRUCTION WITHIN THE BUILDING AREA. A NEW PROBABLE REVETMENT WITH LOW WALLS (LONGEST APPROXIMATELY 200 FT) IS LOCATED IMMEDIATELY SE OF THE INTERSECTION OF THE LAUNCH AREA MAIN ROAD AND THE ACCESS ROAD LEADING TO LAUNCH SITE C. A NEW LOOP ROAD WITH APRONS IS SITUATED ON THE NORTHERN SIDE OF THE ACCESS ROAD TO LAUNCH SITE E. ITS CONFIGURATION RESEMBLES AN AREA JUST WEST OF LAUNCH SITE 4 AT SSATC EXCEPT FOR THE ABSENCE OF A REVETMENT WALL.

THE PREVIOUSLY REPORTED UNIDENTIFIED FACILITY EAST OF THE LAUNCH AREA IS IDENTIFIED AS AN ELECTRONIC SITE BECAUSE OF ITS SIMILARITY TO THE FACILITY AT THE LENINGRAD NORTHWEST PROBABLE AMM LAUNCH COMPLEX. THE MOUNDS AT THE ELECTRONIC SITE ARE UNOCCUPIED AND UNCHANGED. NO APPARENT CHANGE IS DISCERNIBLE AT THE REVETTED CENTRALLY LOCATED POSITION. A SECTION OF BOARD FENCING HAS BEEN ERECTED SINCE [REDACTED] AUG 64 ALONG THE NW SIDE OF THE COMPLEX.

25X1

NO MISSILES, MISSILE-RELATED OR ELECTRONIC EQUIPMENT IDENTIFIED.

(SEE ATTACHMENT)



25X1

CHUNG-WEI SAM SITE C02-2

CH 3754N 10517E

25X1

ALL OF THE 6 LAUNCH POSITIONS AND THE CENTRAL GUIDANCE AREA APPEAR UNOCCUPIED. THREE PROBABLE HOLD POSITIONS OBSERVED. THIS PRECLUDES FURTHER INTERPRETATION.



25X1

MURMANSK SAM SITE C02-3

UR 6923N 03327E

MURMANSK SAM SITE C02-3 HAS AN IRREGULAR CONFIGURATION WITH ALL 4 OF ITS UNREVETTED LAUNCH POSITIONS OCCUPIED BY LAUNCHERS. A PROBABLE LOW BLOW GUIDANCE RADAR AND A PROBABLE FLAT FACE ACQUISITION RADAR CAN BE IDENTIFIED. A TOTAL OF 3 BUILDINGS SUPPORT THE SITE. AT LEAST 3 PIECES OF MISSILE-ASSOCIATED EQUIPMENT CAN BE

25X1



TOP SECRET CHESS RUFF



MISSION 4016 13-16 MARCH 1965



25X1

IDENTIFIED AT THE SITE.



25X1

TOP SECRET CHESS RUFF



25X1

**Air  
Facilities**



TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1

AIR FACILITIES

MINSK/MACHULISHCHE AIRFIELD

UR 5347N 02735E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] OCT 64. SCATTERED CLOUDS COVER SSE END OF RUNWAY. RUNWAY IS CLEARED OF SNOW. NO VEHICLES OR MISSILES OBSERVED [REDACTED]

AIRCRAFT -- 3 BLINDER, 8 PROBABLE BLINDER, 4 POSSIBLE BLINDER, AND 1 PROBABLE BEAGLE ON MAIN PARKING APRON. ONE MEDIUM STRAIGHT-WING AND 5 SMALL SWEEP-WING FIGHTER ARE LOCATED [REDACTED]



25X1

25X1

25X1

25X1

25X1

KAZAN AIRFRAME PLANT GORBUNOV 22

UR 5552N 04907E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] JUN 64.

AIRCRAFT -- APPROXIMATELY 20 PROBABLE BLINDER AND 4 PROBABLE BADGER ALONG MAIN PARKING APRON AND LINK TAXIWAYS, 5 LIGHT STRAIGHT-WING AND 1 SMALL STRAIGHT-WING ON SECONDARY LINK TAXIWAY, AND 1 MEDIUM STRAIGHT-WING ON OLD RUNWAY. HAZE AND POOR QUALITY PRECLUDE FURTHER INTERPRETATION.



25X1

25X1

TAGANROG AIRFRAME PLANT DIMITROV 86

UR 4711N 03852E

CONSTRUCTION SINCE [REDACTED] SEP 64 INCLUDES A SMALL ADDITION TO THE MAIN ASSEMBLY BUILDING, CONTINUED CONSTRUCTION ON THE LARGE FINAL ASSEMBLY BUILDING, AND A NEW SHOP BUILDING UNDER CONSTRUCTION.

AIRCRAFT -- 1 MALLOW ON SOUTH SIDE OF RUNWAY AND 1 MALLOW ON RAMP ALONG SHORE.



25X1

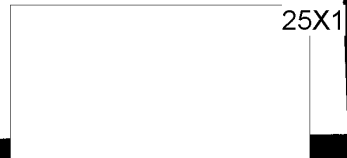
25X1

KERCH/BAGEROVO AIRFIELD

UR 4524N 03614E

8 NM WNW OF KERCH.  
11,000 X 260 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.

25X1



TOP SECRET CHESS RUFF

25X1  
25X1

MISSION 4016 13-16 MARCH 1965

FORMER 6,000 X 170 FT RUNWAY APPEARS UNSERVICEABLE AND ABANDONED.

FACILITIES INCLUDE 2 LINK AND END CROSSOVERS TO PARALLEL TAXIWAY. N/S AND WNW/ESE TAXIWAYS CONNECT FROM RUNWAY ENDS TO SUPPORT AREA 1 NM SOUTH OF RUNWAY CENTER. OTHER FACILITIES INCLUDE 1 LARGE HARDSTAND AND 1 PARKING APRON NEAR WEST END OF WNW/ESE TAXIWAY, AND A LARGE HARDSTAND WITH 3 WEAPONS LOADING PITS AND CENTRAL AND NE APRONS ALONG N/S TAXIWAY.

SUPPORT AREA CONTAINS 2 HANGARS, A RAIL-SERVED POL STORAGE AREA, A TECHNICAL AND MAINTENANCE AREA, A RAIL TRANSFER POINT, AND A SMALL SINGLE-SECURED UNIDENTIFIED FACILITY WITH 1 SMALL EARTH-COVERED BUILDING AND 2 SMALL SHED-TYPE BUILDINGS. DOUBLE-SECURED EXPLOSIVES STORAGE AREA IMMEDIATELY EAST OF N/S TAXIWAY CONTAINS 3 LARGE AND 2 SMALL REVETTED BUILDINGS. A HOUSING AREA IS 2 NM SE OF THE RUNWAY CENTER. THE BOMBING RANGE 3 NM NW OF THE RUNWAY CENTER IS ONLY PARTIALLY COVERED, BUT APPEARS TO HAVE SUSTAINED RECENT LIGHT ACTIVITY. NO SIGNIFICANT CONSTRUCTION ACTIVITY OBSERVED.

AIRCRAFT -- 1 BEAR, 1 BLINDER, 6 BADGER, AND 3 CRATE ON WEST PARKING APRON, 4 BEAGLE, 2 FIREBAR-TYPE, 1 FLASHLIGHT, AND 2 MANDRAKE ON CENTRAL PARKING APRON, 2 BEAGLE, 4 FIREBAR-TYPE, 2 FITTER, 1 FLASHLIGHT, 1 FAGOT/FRESCO, AND 4 MANDRAKE ON NE PARKING APRON, AND 1 FLASHLIGHT/FIREBAR AND 1 LIGHT STRAIGHT-WING NEAR HANGAR IN SUPPORT AREA.

(SEE ATTACHMENT)

[Redacted]

25X1  
25X1

SHA-HO-YEN AIRFIELD

CH 4325N 12823E

IDENTIFICATION ONLY.

[Redacted]

25X1

TAI SHAN AIRFIELD

CH 3017N 12209E

RUNWAY AND FACILITIES ARE SERVICEABLE AND IN GOOD CONDITION. NO SIGNS OF MILITARY ACTIVITY AT THE FIELD.

AIRCRAFT -- NONE OBSERVED.

25X1

[Redacted]

**TOP SECRET CHESS RUFF**

**MISSION 4016 13-16 MARCH 1965**



25X1

**WEN-CHUN AIRFIELD NORTHEAST**

**CH 4427N 12932E**

**SNOW COVER AND SCATTERED CLOUDS PRECLUDE DETAILED INTERPRETATION OF RUNWAYS AND FACILITIES.**

**AIRCRAFT -- NONE OBSERVED.**



25X1

25X1

**WU-KUNG AIRFIELD**

**CH 3417N 10815E**

**NO RADAR OBSERVED.**

**AIRCRAFT -- 13 BULL, 1 BEAGLE, 2 COLT, AND 2 PROBABLE MAX/MOOSE.**



25X1

25X1

**HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG**

**CH 3417N 10815E**

**PREVIOUS CONSTRUCTION ACTIVITY APPEARS COMPLETE. NO NEW CONSTRUCTION ACTIVITY OBSERVED. NO EVIDENCE OF PRODUCTION OBSERVED, HOWEVER, MATERIALS/OBJECTS ARE STACKED THROUGHOUT THE AREA.**



25X1

**PYONGYANG AIRFIELD EAST**

**KN 3901N 12550E**

**NO APPARENT CHANGE IN FACILITIES SINCE JUL 64. EAST END OF FIELD IS CLOUD COVERED. NO NEW CONSTRUCTION OBSERVED.**

**AIRCRAFT -- 2 FAGOT/FRESCO AND 1 CRATE.**



25X1

25X1

**KACHA AIRFIELD**

**UR 4447N 03333E**

**NO APPARENT CHANGE IN FACILITIES SINCE JAN 65.**



25X1



25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965.

AIRCRAFT -- 1 CAB NEAR HANGAR, 8 LIGHT STRAIGHT-WING ON PARKING APRON, AND 15 PROBABLE HOUND AND 8 POSSIBLE HOUND ON NW SECTION OF FIELD.

KHABAROVSK/BLAGODATNOYE AIRFIELD

UR 4824N 13525E

NO APPARENT CHANGE IN FACILITIES SINCE DEC 64.

AIRCRAFT -- 24 LARGE SWEEP/DELTA-WING FIGHTER AND 12 PROBABLE SMALL SWEEP-WING FIGHTER.

VERINO AIRFIELD

UR 4801N 13506E

IDENTIFICATION ONLY.

HAI-LANG AIRFIELD

CH 4432N 12935E

NO APPARENT CHANGE IN FACILITIES SINCE OCT 64. NO RADAR OBSERVED.

AIRCRAFT -- 40 FAGOT/FRESCO AND 1 SMALL STRAIGHT-WING.

BULUTUMBANG AIRFIELD

ID 0245S 10746E

IDENTIFICATION ONLY.

KUBINKA AIRFIELD

UR 5537N 03639E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED. RUNWAY AND TAXIWAY ARE CLEARED OF SNOW.

AIRCRAFT -- AT LEAST 100 SMALL SWEEP-WING, 4 MEDIUM STRAIGHT-WING, AND 2 LIGHT STRAIGHT-WING.

25X1

25X1  
25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

25X1

PREZE AIRFIELD

AL 4125N 01944E

NO ELECTRONIC OR COMMUNICATIONS FACILITIES OBSERVED.  
AIRCRAFT -- AT LEAST 26 SMALL SWEEP-WING FIGHTER.

25X1

25X1

MORSHANSK AIRFIELD

UR 5326N 04143E

NO APPARENT CHANGE IN FACILITIES OBSERVED ON CLEAR,  
FAIR QUALITY PHOTOGRAPHY SINCE [REDACTED] DEC 65.  
RUNWAYS ARE CLEARED OF SNOW AND TAXIWAYS ARE PARTIALLY  
CLEARED OF SNOW.

AIRCRAFT -- 24 PROBABLE FAGOT/FRESCO, 6 POSSIBLE FAGOT/  
FRESCO, 4 SMALL SWEEP-WING FIGHTER, 2 CREEK/COLT, AND 1  
CAB.

25X1

25X1

BORISOVSKIY AIRFIELD

UR 5739N 03406E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]  
AUG 63. TWO ILS SITES ARE LOCATED IN LINE WITH THE  
RUNWAY ON THE NNE END. EACH SITE HAS 3 BUILDINGS IN A  
TRIANGULAR PATTERN. A GCA SITE CONSISTING OF 5  
BUILDINGS IS LOCATED BETWEEN THE RUNWAY AND TAXIWAY.  
RUNWAY IS CLEARED OF SNOW.

AIRCRAFT -- 2 FISHPOT, 2 PROBABLE FISHPOT, 6 FISHBED, 1  
POSSIBLE FISHBED, 1 FISHPOT/FISHBED, 9 PROBABLE  
FLASHLIGHT/FIREBAR, 5 PROBABLE FARMER, 34 FAGOT/FRESCO,  
4 PROBABLE SMALL SWEEP-WING FIGHTER, AND 2 SMALL  
STRAIGHT-WING.

25X1

25X1

ARAD/CEALA AIRFIELD

RU 4611N 02116E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]  
JUN 63. SCATTERED CLOUDS OBSCURE WEST END OF FIELD.

25X1

25X1

25X1

**TOP SECRET CHESS RUFF**



25X1

**MISSION 4016 13-16 MARCH 1965**

**AIRCRAFT -- NONE OBSERVED.**



25X1

**TOP SECRET CHESS RUFF**



25X1

**Nuclear  
Energy**

**Page Denied**

Next 3 Page(s) In Document Denied



**Naval  
Activity/  
Ports**

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

25X1

NAVAL ACTIVITY/PORTS

HAI-KOU PORT AND NAVAL BASE

CH 2001N 11016E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE JUN 64. NO NEW CONSTRUCTION OBSERVED.

25X1

VESSELS -- 3 POSSIBLE SHANGHAI-CLASS PTF AND 5 UNIDENTIFIED SMALLER CRAFT AT THE PIER AND NUMEROUS SMALL CRAFT IN THE HARBOR.

25X1

BALAKLAVA SUBMARINE BASE

UR 4430N 03336E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE SEP 64 IN VISIBLE PORTIONS. AREA IS 80 PERCENT CLOUD COVERED. NO NUCLEAR OR MISSILE-RELATED ACTIVITY OR SUBMARINE PENS IDENTIFIED.

VESSELS -- 2 PROBABLE SS AT SW QUAY.

25X1

BANES NAVAL BASE

CU 2055N 07542W

NO NEW MILITARY ACTIVITY IN PORT AREA. NO NEW EVIDENCE OF MINES, UNDERWATER OBSTACLES, RADAR, HARBOR NETS, AAA DEFENSES, COASTAL ARTILLERY, NEW PIER CONSTRUCTION OR DREDGING, HIGH SECURITY AREAS, OR NEW EQUIPMENT ON PIERS. NO ACTIVITY ON EXIT ROADS. ACCESS ROADS ARE USEABLE.

VESSELS -- 1 UNIDENTIFIED SMALL CRAFT.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT

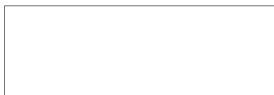
CU 2001N 07550W

NO NEW MILITARY EQUIPMENT VISIBLE AT PORT. NO NEW EVIDENCE OF MINES, UNDERWATER OBSTACLES, RADAR, HARBOR NETS, AAA DEFENSES, COASTAL ARTILLERY, NEW PIER CONSTRUCTION OR DREDGING, HIGH SECURITY AREAS, OR NEW EQUIPMENT ON PIERS. NO ACTIVITY ON EXIT ROADS. ACCESS ROADS ARE USEABLE.

25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1

VESSELS -- 3 OCEAN FREIGHTERS AND NUMEROUS SMALL CRAFT.



25X1

MA-WEI NAVAL BASE AND SHIPYARD

CH 2559N 11926E

SMALL POAT YARD, 0.5 NM SE OF MA-WEI, CONTAINS 15 SMALL BUILDING WAYS, A TRANSVERSER, 3 BOAT BASINS, A GRAVING DOCK, A MARINE RAILWAY, AND NUMEROUS SUPPORT BUILDINGS. AREA COVERED BY GOOD QUALITY, CLOUD-FREE PHOTOGRAPHY.

NO NUCLEAR OR MISSILE-ASSOCIATED FACILITIES OBSERVED IN PORTIONS COVERED ON PHOTOGRAPHY WITHIN 5 NM. AREA COVERED CAN BE NEGATED.

VESSELS -- 1 PROBABLE SMALL COMMERCIAL VESSEL ON BUILDING WAYS AND NUMEROUS SMALL CRAFT IN WATER.



25X1

PRIOZERSK MTB BASE

UR 6050N 03028E

NO APPARENT CHANGE IN FACILITIES SINCE JUL 64. THE HARBOR IS FROZEN. NO SS OBSERVED.

VESSELS -- APPROXIMATELY 14 MINOR PATROL CRAFT, 6 SMALL COMMERCIAL VESSELS, AND SEVERAL BARGES.



WU-CHANG SHIPYARD

CH 3032N 11417E

NO APPARENT CHANGE IN FACILITIES SINCE JAN 65. AREA IS COMPLETELY COVERED BY FAIR QUALITY PHOTOGRAPHY.

VESSELS -- 1 UNIDENTIFIED SS ALONGSIDE FITTING-OUT BARGE AND 2 SMALL SURFACE VESSELS ON BUILDING WAYS 1 AND 3. TWO 260-FT WEATHER SHEDS SIMILAR TO THOSE PREVIOUSLY USED TO COVER W-CLASS SUBMARINE CONSTRUCTION ARE ON BUILDING WAYS 3 AND 4. FIVE SMALL VESSELS ARE ON THE MINOR BUILDING WAYS.

AN OBLIQUE VIEW OF 1 END OF THE COVERED BUILDING WAY SUGGESTS THAT IT CONTAINS 2 BUILDING WAYS.



25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

[Redacted]

[Redacted]

25X1

[Redacted]

25X1

25X1

AL HUDAYDAH PORT FACILITIES

YE 1450N 04257E

NO APPARENT CHANGE IN FACILITIES SINCE  
JAN 65.

[Redacted]

25X1

VESSELS -- 1 PROBABLE PF, 2 OCEAN FREIGHTERS, 1 BARGE,  
AND 3 SMALL VESSELS.

[Redacted]

25X1

GOMA PORT FACILITIES

CX 0142S 02915E

NO APPARENT CHANGE IN FACILITIES SINCE  
JAN 65. FACILITY COMPLETELY COVERED ON FAIR QUALITY,  
HAZY PHOTOGRAPHY EXCEPT FOR LIGHT CLOUD COVER OVER  
300-FT SECTION OF SHORE LINE BETWEEN MARGINAL WHARF AND  
EASTERNMOST SHORE AREA.

[Redacted]

25X1

VESSELS -- 3 SMALL CRAFT AT MARGINAL WHARF AND ALONG  
SHORE LINE.

[Redacted]

25X1

[Redacted]

25X1

**Biological/  
Chemical  
Warfare**

**Page Denied**

**Electronics/  
Communications**

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

25X1

ELECTRONICS/COMMUNICATIONS

OZERKO VOSTOCHNOYE PROB CRUISE MSL SITE UR 6953N 03209E

25X1

9 NM NORTH OF OZERKO VOSTOCHNOYE.  
SITE CONSISTS OF 2 PROBABLE UNREVIEWED LAUNCH POSITIONS  
BOTH CONTAINING A PROBABLE LAUNCHER. A PROBABLE  
CONTROL AREA IS LOCATED DIRECTLY BEHIND EACH PROBABLE  
LAUNCH POSITION AND CONTAINS 1 BUILDING AND NUMEROUS  
PIECES OF UNIDENTIFIED EQUIPMENT. A PROBABLE GUIDANCE  
AREA IS DIRECTLY BEHIND THE PROBABLE CONTROL BUILDINGS  
AND CONSISTS OF 6 BUILDINGS, 3 SUPPORTING UNIDENTIFIED  
ANTENNAS. A LARGE SUPPORT AREA WITH APPROXIMATELY 30  
BUILDINGS IS 0.5 NM SW OF THE PROBABLE GUIDANCE AREA.

NO FACILITIES LOCATED AT MYS NAVOLOK, 69-54N 032-20E.

25X1

KERCH GUIDED MISSILE RADAR SITE UR 4520N 03630E

NO GUIDED MISSILE RADAR SITE OR ASSOCIATED EQUIPMENT  
OBSERVED IN AREA.

25X1

KAPUSTIN YAR INSTRUMENTATION SITE UR 4849N 04916E

AREA IS 70 PERCENT CLOUD COVERED. NO  
INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE  
AREAS.

25X1

KAPUSTIN YAR POSS INSTRUMENTATION SITE UR 4856N 04936E

AREA IS 70 PERCENT CLOUD COVERED. NO  
INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE  
AREAS.

25X1

25X1

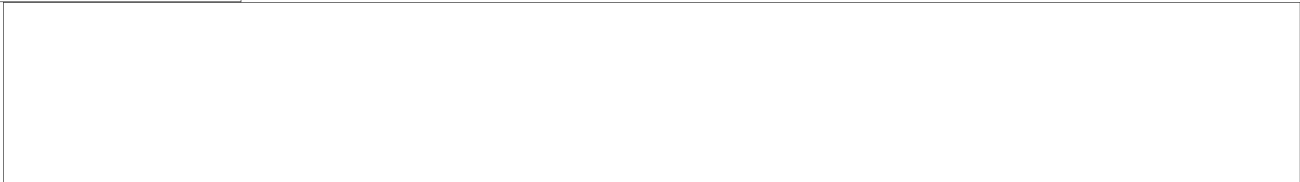


TOP SECRET CHESS RUFF



25X1

MISSION 4016 13-16 MARCH 1965



25X1

KAPUSTIN YAR POSS INSTRUMENTATION SITE UR 4857N 04930E

AREA IS 70 PERCENT CLOUD COVERED. NO INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE AREAS.



25X1

25X1

KAPUSTIN YAR POSS INSTRUMENTATION SITE UR 4835N 04912E

AREA IS 70 PERCENT CLOUD COVERED. NO INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE AREAS.



25X1

KAPUSTIN YAR INSTRUMENTATION SITE UR 4836N 04926E

AREA IS 70 PERCENT CLOUD COVERED. NO INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE AREAS.



25X1

KAPUSTIN YAR POSS INSTRUMENTATION SITE UR 4839N 04921E

AREA IS 70 PERCENT CLOUD COVERED. NO INSTRUMENTATION/ELECTRONICS OBSERVED IN CLOUD-FREE AREAS.



25X1

TYURATAM INSTRUMENTATION SITE UR 4839N 06114E

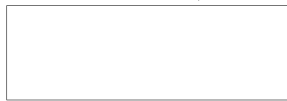
AN UNIDENTIFIED FACILITY, 1.5 NM NW OF IRGIZ, CONTAINS 4 BUILDINGS. NO ANTENNAS, MOBILE EQUIPMENT, OR CONSTRUCTION ACTIVITY VISIBLE. SCATTERED CLOUDS



25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1  
25X1

PARTIALLY OBSCURE THE SEARCH AREA.



25X1  
25X1

TYURATAM INSTRUMENTATION SITE

UR 4722N 06023E

INSTALLATION, 15 NM SW OF TOGYZ, CONTAINS 2 SMALL BUILDINGS. NO ANTENNAS OBSERVED. MAIN SUPPORT, 2.5 NM NNE OF THE INSTALLATION, CONTAINS 16 BUILDINGS OF VARIOUS SIZES AND IS SECURED.



25X1

VANKAREM TALL KING AW RADAR FACILITY

UR 6750N 17553W

NO APPARENT CHANGE SINCE

APR 64.



25X1

25X1

GIRVAS TALL KING RADAR

UR 6754N 03034E

NO TALL KING RADAR OR ASSOCIATED EQUIPMENT OBSERVED IN AREA.



25X1

YOKANGA TALL KING RADAR

UR 6801N 03952E

NO TALL KING RADAR OR ASSOCIATED EQUIPMENT OBSERVED IN AREA.



25X1

OZERO NELK TALL KING RADAR

UR 6807N 03350E

NO TALL KING RADAR OR ASSOCIATED EQUIPMENT OBSERVED IN AREA.



25X1



25X1

**TOP SECRET CHESS RUFF**

**MISSION 4016 13-16 MARCH 1965**



25X1

**SALNITSA TALL KING RADAR**

**UR 6622N 03540E**

**NO TALL KING RADAR OR ASSOCIATED EQUIPMENT OBSERVED IN AREA.**



25X1

25X1

**NARVA RADAR TRACKING FACILITY**

**UR 5943N 02829E**

**FACILITY CONSISTS OF AN OPERATIONAL AND A SUPPORT AREA. THE OPERATIONAL AREA CONTAINS 2 TALL LATTICE TOWERS (EACH SUPPORTING A RADAR PLATFORM), A CENTRAL CONTROL REVETMENT, AND 3 BUILDINGS. THE RADAR PLATFORMS APPEAR TO BE OCCUPIED BY UNIDENTIFIED RADARS AND THE CONTROL REVETMENT CONTAINS 4 ROWS OF VEHICLES/EQUIPMENT.**

**THE SUPPORT AREA, 2,000 FT WNW, CONTAINS APPROXIMATELY 5 BUILDINGS. NO NEW CONSTRUCTION OR CHANGES IN FACILITY OBSERVED. ENTIRE FACILITY IS COVERED ON FAIR QUALITY, NON-STEREO PHOTOGRAPHY.**



25X1

**ALEKSANDROV-GAY ELECTRONICS SITE**

**UR 5010N 04834E**

**IDENTIFICATION ONLY.**



25X1

**CHALOBAY TALL KING RADAR SITE**

**UR 4919N 08244E**

**NO TALL KING RADAR OR ASSOCIATED EQUIPMENT OBSERVED IN CLOUD-FREE PORTION OF AREA.**



25X1

**CHIKISHLYAR TALL KING RADAR SITE**

**UR 3732N 05408E**

**NO TALL KING RADARS OR ASSOCIATED EQUIPMENT OBSERVED IN AREA.**



25X1

**TOP SECRET CHESS RUFF**



25X1

TOP SECRET CHESS RUFF



25X1  
25X1

MISSION 4016 13-16 MARCH 1965

NIZHNE YANSK TALL KING AW RADAR FACILITY UR 7130N 13545E



25X1

NIZHNE YANSK TALL KING AW RADAR FACILITY IS NEWLY IDENTIFIED AT 71-27N 136-10E, IMMEDIATELY NORTH OF NIZHNE YANSK AND APPROXIMATELY 26 NM NNW OF UST-YANSK.

FACILITY CONTAINS 1 TALL KING ANTENNA MOUNTED ON AN EQUIPMENT BUILDING, 1 CONTROL BUILDING, 1 GENERATOR BUILDING, AND 6 REVETTED HORIZONTAL FUEL TANKS.

ASSOCIATED EQUIPMENT IMMEDIATELY SOUTH OF THE TALL KING FACILITY INCLUDES 2 KNIFE REST, 1 BAR LOCK, 1 PROBABLE STONE CAKE, AND ASSOCIATED SUPPORT BUILDINGS.



25X1

TOP SECRET CHESS RUFF



25X1

**Military  
Activity**

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1

MILITARY ACTIVITY

PU-LAN ARMY BARRACKS

TI 3015N 08110E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] JAN 65. NO VEHICLES OR MILITARY EQUIPMENT OBSERVED ON GOOD QUALITY, SNOW-COVERED, STEREO PHOTOGRAPHY.



25X1

25X1

25X1

AL MUSAYYIB MILITARY INSTALLATIONS

IQ 3249N 04415E

THIS INSTALLATION DOES NOT APPEAR TO HAVE ANY MILITARY SIGNIFICANCE AND IS OBSERVED ON LARGE SCALE, CLEAR PHOTOGRAPHY. NO VEHICLES OR STOCKPILING OBSERVED. INSTALLATION IS EXPANDING TO THE NORTH WITH WHAT APPEAR TO BE FOUNDATIONS FOR 7 BUILDINGS IN VARIOUS STAGES OF CONSTRUCTION.



25X1

LIANG-CHIA-TIEN AREA DRIVER TRAINING AREA

CH 3912N 12155E

IDENTIFICATION ONLY.



25X1

BUREVESTNIK ARMY BARRACKS KUYBYSHEVO

UR 4505N 14742E

IDENTIFICATION ONLY.



25X1

CHERNOVTSY ARMY BARRACKS ROSHTSHINSKAYA

UR 4817N 02555E

WEST EDGE OF CHERNOVTSY. INSTALLATION IS FENCED, APPEARS ACTIVE, AND CONTAINS 2 ADMINISTRATION BUILDINGS, 1 MULTISTORY AND 2 OTHER BARRACKS, 2 LARGE STORAGE BUILDINGS, 5 LARGE SUPPORT BUILDINGS, AN UNDETERMINED NUMBER OF SMALL BUILDINGS, AND A PROBABLE MOTOR POOL WITH 2 PROBABLE VEHICLE MAINTENANCE BUILDINGS. NO MILITARY VEHICLES OR EQUIPMENT OBSERVED.



25X1

25X1



TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

NIZHNEUDINSK ARMY BARRACKS

UR 5454N 09903E

NO APPARENT CHANGE IN FACILITIES SINCE  
JAN 65.

AIRCRAFT -- 3 BEAGLE, 1 FISHPOT, 2 FITTER, 4 PROBABLE  
FARMER, AND 6 FAGOT/FRESCO IN SECURED AREA ADJACENT TO  
THE POSSIBLE CLASSROOM BUILDING.

JELGAVA ARMY BARRACKS SVETE RIVER EA

UR 5635N 02340E

4 NM SSW OF JELGAVA.  
FACILITIES INCLUDE 9 BARRACKS AND 5 SUPPORT BUILDINGS.  
THE AREA MAY BE ASSOCIATED WITH JELGAVA SAM SITE A22-2  
WHICH IS IMMEDIATELY SOUTH. AREA IS OCCUPIED. NO  
TANKS OBSERVED.

KALININGRAD ARMY BARRACKS BALLIT

UR 5445N 02030E

ON NORTH EDGE OF KALININGRAD.  
FACILITIES INCLUDE 2 PROBABLE ADMINISTRATION BUILDINGS,  
18 BARRACKS, 5 POSSIBLE BARRACKS, 3 STORAGE BUILDINGS,  
A VEHICLE SHED, AND 9 SUPPORT BUILDINGS. A SMALL  
TRAINING AREA IMMEDIATELY NORTH CONTAINS 4 INACTIVE  
SMALL-ARMS FIRING RANGES AND 2 TANK/ASSAULT-GUN FIRING  
RANGES (ONE IS ACTIVE). THE BARRACKS AREA IS OCCUPIED.  
APPROXIMATELY 15 POSSIBLE VEHICLES OBSERVED.

KALININGRAD ARMY BARRACKS NORTHWEST

UR 5444N 02027E

NO APPARENT CHANGE IN FACILITIES SINCE  
JUL 64. AREA IS OCCUPIED. NO TANKS OBSERVED, HOWEVER,  
APPROXIMATELY 20 UNIDENTIFIED VEHICLES ARE VISIBLE.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

TAMBOV ARMY BARRACKS SOUTH

UR 5240N 04128E

ONLY 20 PERCENT OF AREA COVERED ON PHOTOGRAPHY. AREA OBSERVED APPEARS OCCUPIED. NO ARMOR OBSERVED.

TARTU ARMY BARRACKS

UR 5823N 02645E

IN THE NORTHEAST PART OF TARTU. FACILITIES INCLUDE 1 ADMINISTRATION BUILDING, 7 BARRACKS, 5 STORAGE BUILDINGS, 5 VEHICLE SHEDS, AN ATHLETIC FIELD, AND APPROXIMATELY 20 SUPPORT BUILDINGS. THIS BARRACKS IS LOCATED ADJACENT TO THE AIRFIELD AND APPEARS TO BE ASSOCIATED WITH AIR FORCE RATHER THAN GROUND FORCE. THE AREA IS OCCUPIED. NO TANKS OBSERVED, HOWEVER, 9 PROBABLE POL TANK TRUCKS ARE VISIBLE.

TARTU ARMY BARRACKS SOUTH

UR 5821N 02644E

NO MILITARY INSTALLATION OBSERVED AT ABOVE COORDINATES.

ULAN-UDE ARMY BARRACKS UDA RIVER SOUTH

UR 5149N 10744E

TWO SECURED AREAS ON EAST EDGE OF ULAN-UDE. MAIN AREA CONTAINS 1 ADMINISTRATION BUILDING, 1 BARRACKS, 5 STORAGE BUILDINGS, 1 MAINTENANCE BUILDING, AND 6 OTHER SMALL BUILDINGS. SECOND SECURED AREA ON SE EDGE OF MAIN INSTALLATION CONTAINS 1 BUILDING. AREA APPEARS OCCUPIED. NO ARMOR OBSERVED.

KAMENETS-PODOLSKIY ARMY BARRACKS SE

UR 4840N 02635E

SOUTHEAST EDGE OF KAMENETS-PODOLSKIY. AREA CANNOT BE ESTABLISHED AS MILITARY IN NATURE. NO MILITARY VEHICLES OR PIECES OF EQUIPMENT OBSERVED ON GOOD QUALITY, SNOW-COVERED, NON-STEREO PHOTOGRAPHY.

25X1

25X1

25X1

25X1

25X1

25X1

25X1



TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1



YUZHNO KURILSK ARMY BARRACKS NORTHWEST

UR 4402N 14549E

IDENTIFICATION ONLY.



25X1

25X1

25X1

YUZHNO KURILSK MIL BKS AND SUPPLY DEPOT

UR 4401N 14551E

IDENTIFICATION ONLY.



25X1

PETROZAVODSK ARMY BARRACKS SOUTH

UR 6146N 03421E

IN SOUTHEASTERN PART OF PETROZAVODSK. FACILITIES INCLUDE 2 ADMINISTRATION BUILDINGS, 6 BARRACKS, 6 BARRACKS/QUARTERS, 6 STORAGE-TYPE BUILDINGS, 2 VEHICLE SHEDS, AN ATHLETIC FIELD, AND APPROXIMATELY 25 SUPPORT BUILDINGS. NO TANKS OR OTHER VEHICLES OBSERVED. THE INSTALLATION APPEARS OCCUPIED.



25X1

RIGA ARMY BARRACKS EAST

UR 5657N 02409E

IN THE EAST PART OF RIGA. FACILITIES INCLUDE 2 BARRACKS, 3 STORAGE BUILDINGS, 4 VEHICLE SHEDS, 7 PROBABLE QUARTERS, AND 4 SUPPORT BUILDINGS. SIX PROBABLE TANKS AND 30 OTHER VEHICLES OBSERVED. THE AREA IS OCCUPIED.



25X1

RIGA ARMY BARRACKS NORTHEAST

UR 5659N 02411E

IN THE NE PART OF RIGA. FACILITIES INCLUDE 2 ADMINISTRATION BUILDINGS, 13 BARRACKS, 13 STORAGE BUILDINGS, 1 VEHICLE SHED, AND 16 SUPPORT BUILDINGS. FIVE UNIDENTIFIED VEHICLES OBSERVED. NO TANKS VISIBLE. AREA IS OCCUPIED.



25X1



25X1

TOP SECRET CHESS RUFF



25X1

MISSION 4016 13-16 MARCH 1965

RIGA ARMY BARRACKS BUKULTI

UR 5700N 02415E

4.5 NM NE OF RIGA.  
FACILITIES INCLUDE 1 ADMINISTRATION/BARRACKS BUILDING, 5 BARRACKS, 2 STORAGE BUILDINGS, 1 VEHICLE MAINTENANCE BUILDING, 1 VEHICLE SHED, AND 11 SUPPORT BUILDINGS. IMMEDIATELY WEST IS A SMALL-ARMS RANGE AND A DOUBLE-SECURED STORAGE AREA WITH 4 BUILDINGS. ONE POSSIBLE TANK AND 6 OTHER VEHICLES OBSERVED. THE AREA IS OCCUPIED.



25X1

25X1

RIGA ARMY BARRACKS NORDEKI

UR 5657N 02403E

IN WEST PART OF RIGA.  
FACILITIES INCLUDE 1 ADMINISTRATION BUILDING, 7 BARRACKS, 2 PROBABLE STORAGE BUILDINGS, 2 PROBABLE VEHICLE SHEDS, AN ATHLETIC FIELD, AND 14 SUPPORT BUILDINGS. NO TANKS OR OTHER EQUIPMENT ARE VISIBLE. THE AREA APPEARS OCCUPIED.



25X1

RIGA ARMY BARRACKS YULGA

UR 5659N 02414E

IN ENE PART OF RIGA.  
FACILITIES INCLUDE 1 ADMINISTRATION BUILDING, 1 BARRACKS, 11 BARRACKS/QUARTERS, 3 STORAGE BUILDINGS, 1 PROBABLE VEHICLE MAINTENANCE BUILDING, 10 PROBABLE VEHICLE/EQUIPMENT STORAGE SHEDS, AND 22 SUPPORT BUILDINGS. NO TANKS OBSERVED, HOWEVER, 16 OTHER VEHICLES ARE VISIBLE. THE AREA IS OCCUPIED.



25X1

RIGA BARRACKS AND MANEUVER AREA ROPAZI

UR 5706N 02422E

10 NM NE OF RIGA.  
APPROXIMATELY 28 SUPPORT BUILDINGS OBSERVED IN THE BIVOUAC AREA. SNOW PRECLUDES FURTHER INTERPRETATION. NO ACTIVITY OR TANKS OBSERVED.



25X1



25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

RIGA BARRACKS BOLDERAVA SOUTH SOUTHEAST UR 5700N 02404E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

SEVERO-KURILSK ARMY BARRACKS WEST UR 5041N 1507E

HEAVY SNOW PRECLUDES DETERMINATION OF OCCUPANCY. NO TANKS OBSERVED.

SEVERO-KURILSK ARMY BARRACKS SOUTH UR 5040N 1508E

HEAVY SNOW PRECLUDES DETERMINATION OF OCCUPANCY. NO ARMOR OBSERVED.

JELGAVA ORDNANCE DEPOT UR 5639N 02343E

IN THE SOUTH PART OF JELGAVA. RAIL-SERVED FACILITY CONTAINS A T-SHAPED ADMINISTRATION BUILDING, 8 PROBABLE STORAGE BUILDINGS, 1 PROBABLE VEHICLE SHED, 8 SUPPORT BUILDINGS, AND 11 ROWS OF UNIDENTIFIED MATERIAL IN OPEN STORAGE. EIGHT PROBABLE VEHICLES OBSERVED. THE AREA IS OCCUPIED.

ULAN-UDE ARMY SUPPLY DEPOT UDA RIVER SOUTH UR 5149N 10741E

3 NM EAST OF ULAN-UDE. RAIL-SERVED STORAGE AREA CONTAINS 57 STORAGE BUILDINGS AND 3 SUPPORT BUILDINGS. A SUPPORT AREA IMMEDIATELY SOUTH OF THE STORAGE AREA CONTAINS 1 ADMINISTRATION/ BARRACKS, 3 BARRACKS, AND 2 SUPPORT BUILDINGS. NO MILITARY VEHICLES OBSERVED ON FAIR QUALITY PHOTOGRAPHY.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

**Complexes**

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965

COMPLEXES

KUN-MING COMPLEX

CH 2504N 10241E

MAJOR INDUSTRIAL FACILITIES INCLUDE A CEMENT PLANT, A COPPER REFINERY, A COPPER SMELTER AND SEVERAL UNIDENTIFIED FABRICATION PLANTS, ALL ON THE NORTH AND WEST SIDES OF KUN-MING. THE LEVEL OF INDUSTRIAL ACTIVITY IS NOT APPARENT. TWO LARGE MILITARY DEPOTS ARE NEAR THE AIRFIELD ON THE EAST SIDE OF KUN-MING, AND SEVERAL MILITARY AREAS ARE EVIDENT IN THE CITY COMPLEX. A RAIL LINE PASSES THROUGH THE CITY AND A BRANCH BY-PASSES THE CITY ON THE SOUTH SIDE. ENTIRE COMPLEX COVERED ON GOOD QUALITY, STEREO PHOTOGRAPHY.

CHING-TAO COMPLEX

CH 3604N 12019E

EASTERN PART OF CITY COVERED ON GOOD QUALITY, NON-STEREO PHOTOGRAPHY. NUMEROUS ACTIVE LIGHT INDUSTRIES OBSERVED. ONE TO TWO HUNDRED UNIDENTIFIED RAIL CARS ARE IN CLASSIFICATION YARDS.

WU-HAN COMPLEX

CH 3035N 11417E

ENTIRE AREA COVERED ON GOOD QUALITY, NON-STEREO PHOTOGRAPHY. INDUSTRIAL FACILITIES INCLUDE A LARGE IRON AND STEEL PLANT, A RAIL CAR PLANT, MACHINE SHOPS, AND LIGHT INDUSTRY. MILITARY FACILITIES INCLUDE 2 AIRFIELDS, BARRACKS AREAS, AND SCHOOLS. TRANSPORTATION FACILITIES CONSIST OF RAILYARDS AND RIVER PORT FACILITIES. LEVEL OF ACTIVITY CANNOT BE DETERMINED.

MANADO COMPLEX

ID 0130N 12450E

NO MAJOR INDUSTRIES OR ANY UNUSUAL INDUSTRIAL ACTIVITY NOTED WITHIN THE COMPLEX.

ONE FREIGHTER IS APPROXIMATELY 0.5 NM OFFSHORE AND 2 SMALL COASTAL VESSELS ARE ANCHORED IMMEDIATELY OUTSIDE THE JETTIES. NUMEROUS SMALL FISHING BOATS AND SMALL

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

MISSION 4016 13-16 MARCH 1965



25X1  
25A1

CARGO BOATS AND BARGES ARE IN THE HARBOR.

A SEARCH OF APPROXIMATELY 7-NM RADIUS OF THE HARBOR REVEALS NO LARGE MILITARY CAMPS OR TRUCK/EQUIPMENT STORAGE POOLS. HOWEVER, THIS AREA HAS MANY BUILDING COMPLEXES THAT COULD HOUSE TROOPS AND EQUIPMENT.

ONE 2-ENGINE STRAIGHT-WING, PROPELLER-DRIVEN TRANSPORT AIRCRAFT IS AT MAPANGET AIRFIELD, 6 NM NE OF MANADO.



25X1

SABANG COMPLEX

ID 0553N 09519E



25X1

PORT AREA, ON SOUTH SIDE OF SABANG, CONTAINS 25 SINGLE-STORY WAREHOUSES ADJACENT TO DOCK AREA, A SMALL SHIP REPAIR YARD WITH ASSOCIATED SHOP BUILDINGS AT WEST END OF PORT, AND A FLOATING DRYDOCK IN THE EAST END OF PORT.

A POSSIBLE MILITARY STORAGE AREA CONTAINING 22 SMALL BUILDINGS DISPERSED IN THE WOODS IS LOCATED 0.5 NM SE OF THE PORT. A GRADED EARTH LANDING STRIP IS IMMEDIATELY EAST OF THE STORAGE AREA.

VESSELS -- 1 SMALL FREIGHTER AT THE EAST END OF DRYDOCK, ANOTHER SMALL FREIGHTER ALONGSIDE THE WHARF, AND 2 SMALL COASTAL FREIGHTERS, 1 SMALL POSSIBLE TANKER, AND A POSSIBLE PATROL CRAFT OFFSHORE TO THE NORTH OF THE ISLAND.



25X1

I-CHANG COMPLEX

CH 3042N 11117E



25X1

COMPLEX CONTAINS PORT FACILITIES, WAREHOUSES, LIGHT INDUSTRIES, SEVERAL STORAGE/BARRACKS AREAS, A POL STORAGE AREA WITH 5 MEDIUM SIZE STORAGE TANKS 2 NM SE OF I-CHANG, A POL STORAGE AREA WITH 1 LARGE TANK ON THE SE SIDE OF TOWN, AND A PROBABLE HYDROELECTRIC POWERPLANT 9.5 NM NE OF TOWN.

THREE SELF-PROPELLED BARGES ARE LOCATED ON THE MARINE RAILWAY AND AT LEAST 15 OTHER SELF-PROPELLED BARGES ARE ON THE RIVER.



25X1



25X1

TOP SECRET CHESS RUFF

25X1  
25X1

MISSION 4016 13-16 MARCH 1965

PEI-AN COMPLEX

CH 4813N 12630E

25X1

AREA COVERED ON GOOD QUALITY, NON-STERED PHOTOGRAPHY. ONLY MINOR LIGHT INDUSTRY OBSERVED. A LARGE BUILDING IS IN THE EARLY STAGES OF CONSTRUCTION 0.5 NM EAST OF PEI-AN. TRANSPORTATION FACILITIES INCLUDE A RAIL YARD, A ROUNDHOUSE, AND MAINTENANCE SHOPS. MILITARY INSTALLATIONS IN THE AREA INCLUDE A BARRACKS AREA, MILITARY SCHOOL, SMALL-ARMS RANGE, A SECURED EXPLOSIVES STORAGE AREA, AND A DOUBLE-FENCED STORAGE AREA WITH 3 LARGE POSSIBLY VENTILATED AND 4 SMALLER VENTILATED STORAGE BUILDINGS. TWO OF THE SMALLER STORAGE BUILDINGS HAVE STEPPED-ROOFS.

25X1

HO-FEI COMPLEX

CH 3151N 11717E

COMPLEX, 12 SQ MI IN AREA, IS COVERED ON GOOD QUALITY, NON-STERED PHOTOGRAPHY. TRANSPORTATION FACILITIES INCLUDE A SMALL RIVER PORT AND A RAILROAD MARSHALLING YARD. INDUSTRIES APPEAR ACTIVE AND CONSIST OF A TEXTILE MILL, ALUMINUM PLANT, FOUNDRIES, MACHINE SHOPS, AND MISCELLANEOUS LIGHT INDUSTRIES. NUMEROUS MILITARY BARRACKS AREAS AND SCHOOLS ARE LOCATED AROUND THE TOWN. SIX COLT AIRCRAFT ARE AT A 3200 X 100 FT AIRFIELD EAST OF THE COMPLEX.

25X1

HSI-CHANG IRON AND STEEL MILL

CH 2754N 10216E

NO IRON AND STEEL PLANT OBSERVED IN VICINITY OF HSI-CHANG.

25X1

YAKUTSKAYA STOYBA POSS GEO CONTROL POINT UR 5243N 13159E

NO CONTROL POINT OBSERVED IN AREA ON CLEAR SNOW-COVERED PHOTOGRAPHY.

25X1

25X1

**TOP SECRET CHESS RUFF**

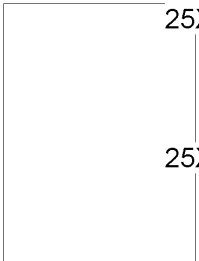
MISSION 4016 13-16 MARCH 1965



25X1

**YAKUTSKAYA STOYBA POSS GEO CONTROL POINT UR 5240N 13159E**

**NO CONTROL POINT OBSERVED IN AREA ON CLEAR,  
SNOW-COVERED PHOTOGRAPHY.**



25X1

25X1

**VERKHNIIY MYN POSS GEODETIC CONTROL POINT UR 5252N 13159E**

**NO CONTROL POINT OBSERVED IN AREA ON CLEAR,  
SNOW-COVERED PHOTOGRAPHY.**



25X1



25X1

**TOP SECRET CHESS RUFF**



**Other  
Activity**

TOP SECRET CHESS RUFF



25X1

MISSION 4016 13-16 MARCH 1965

OTHER ACTIVITY

NYANDOMA SENSITIVE OPERATIONS COMPLEX UR 6139N 04015E

25X1

SECOND BUNKER IN THE OPERATIONS AREA IS BEING EARTH COVERED, AND CONSTRUCTION ON THE THIRD BUNKER CONTINUES. NO EVIDENCE AS YET OF CONSTRUCTION IN EXCAVATION FOR A POSSIBLE FOURTH BUNKER. APPROXIMATELY 25-27 LONG RAIL CARS AND 4 SHORTER CARS ARE PRESENT IN THE OPERATIONS SUPPORT RAIL FACILITY. TRANSLOADING BRIDGE CRANE, BARRACKS AREA, AND THE AREA WHERE FAGOT AIRCRAFT WERE OBSERVED ON [REDACTED] APR 64 ARE CLOUD COVERED. MANY UNIDENTIFIED VEHICLES ARE PARKED IN ROWS IN THE MOTOR POOL AREA. ONE OF THE ROWS IS COMPRISED OF AN ESTIMATED 25-30 LARGE VANS.

25X1



25X1

TOP SECRET CHESS RUFF

25X1

**Attachments**

# TOP SECRET CHESS RUFF

MISSION 4016, 13-16 MARCH 1965

25X1  
25X1

ATTACHMENT 1



SUBMARINE BASE. GUBA SAYDA, USSR

NDIC 000000000000

25X1

# TOP SECRET CHESS RUFF

25X1



TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF  
MISSION 4016, 13:16 MARCH 1965

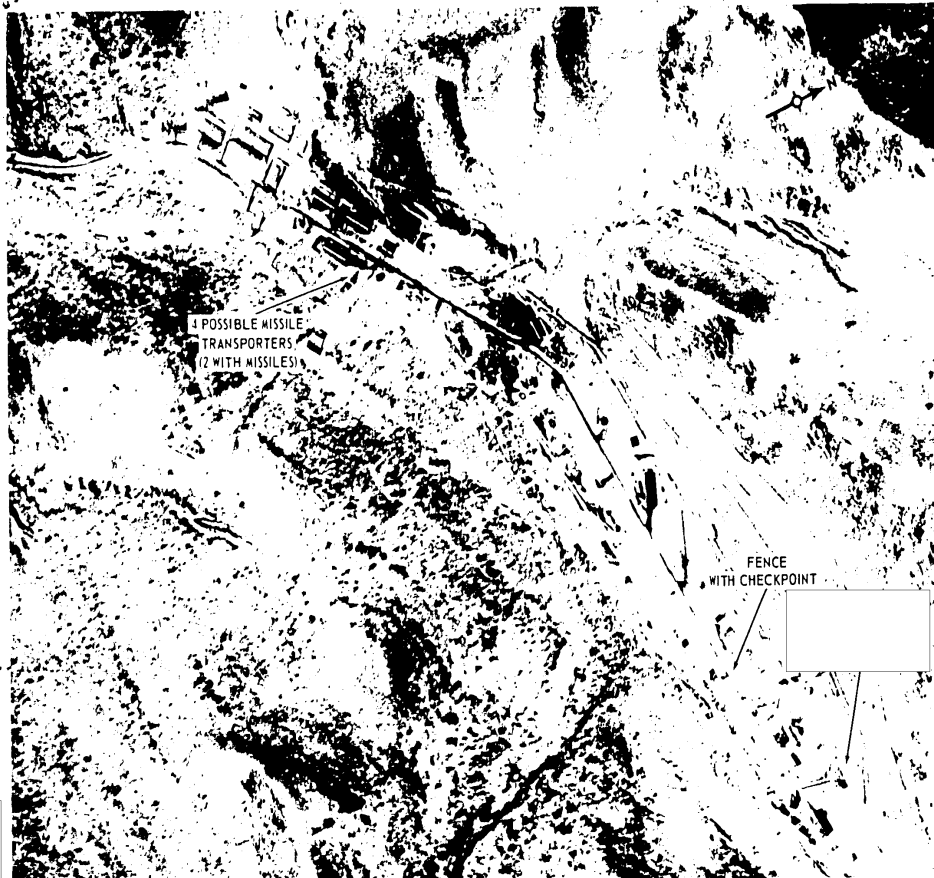
ATTACHMENT 2

25X1  
25X1

NPIC 2-9859 (3/76)

SUBMARINE BASE BUKHTA PAVLOVSKOGO, STRELOK STRAIT, USSR

TOP SECRET CHESS RUFF



TOP SECRET CHESS RUFF

MISSION 4016, 13:16 MARCH 1965

ATTACHMENT 3

25X1

25X1

25X1

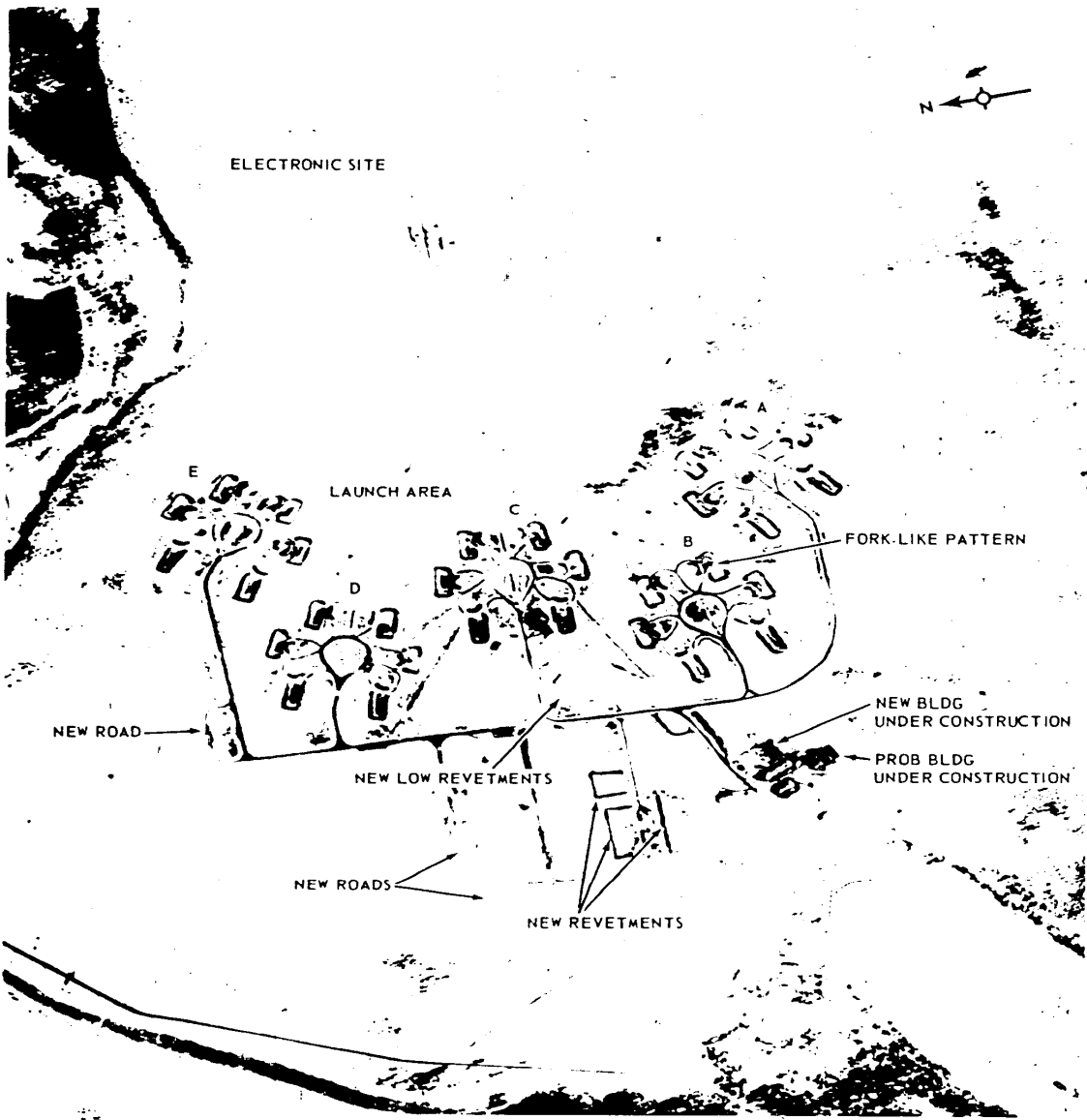
# TOP SECRET CHESS RUFF

MISSION 4016, 13-16 MARCH 1965

25X1

25X1

ATTACHMENT 4



AMM SAM LAUNCH COMPLEX, TALLINN, USSR

NPIC J-9861 (3/65)

25X1

# TOP SECRET CHESS RUFF

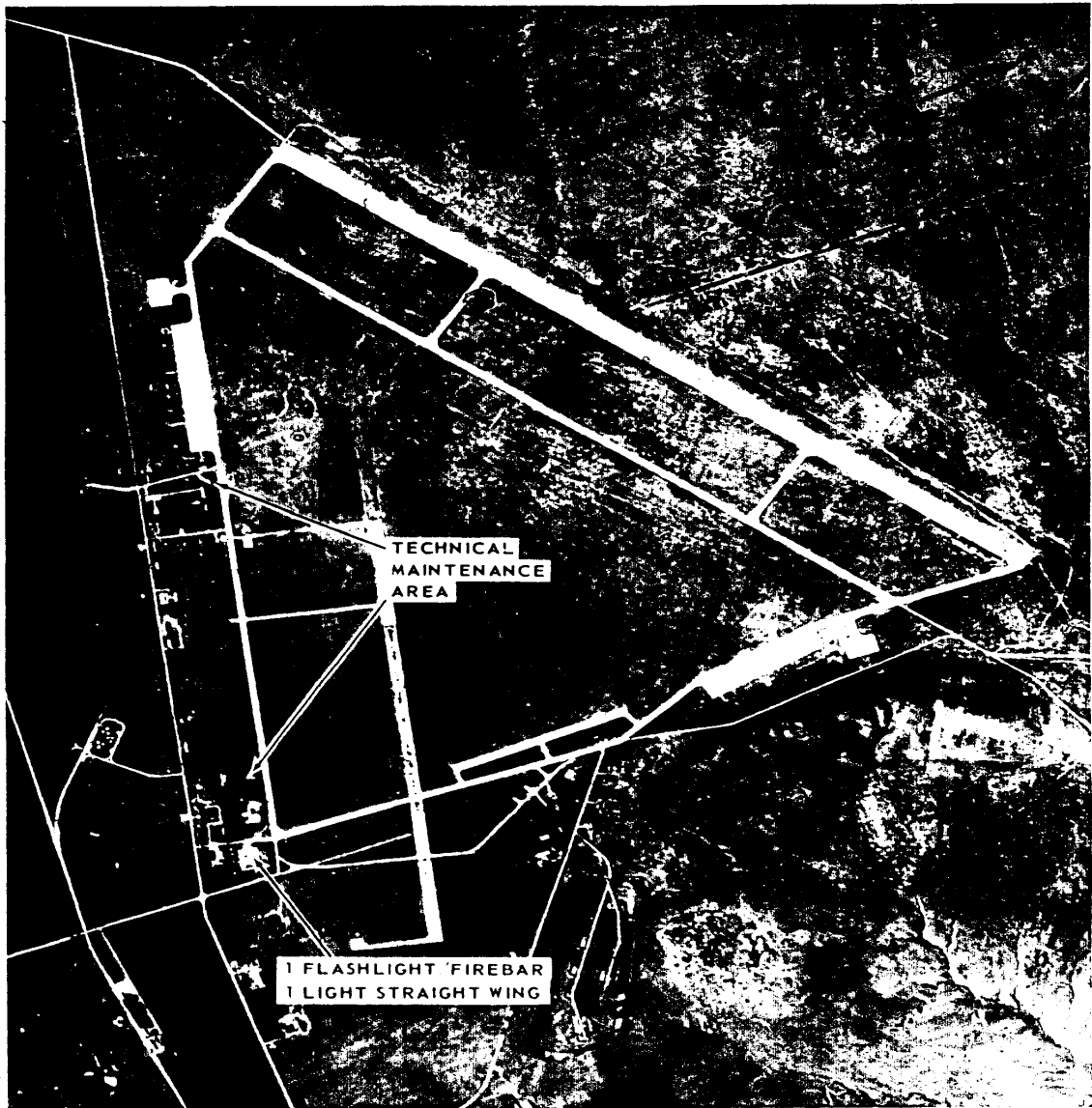
**TOP SECRET CHESS RUFF**

MISSION 4016, 13-16 MARCH 1965

25X1

25X1

ATTACHMENT 5



KERCH BAGEROVO AIRFIELD, USSR

REF ID: A662 (2/65)

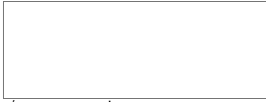
25X1

**TOP SECRET CHESS RUFF**



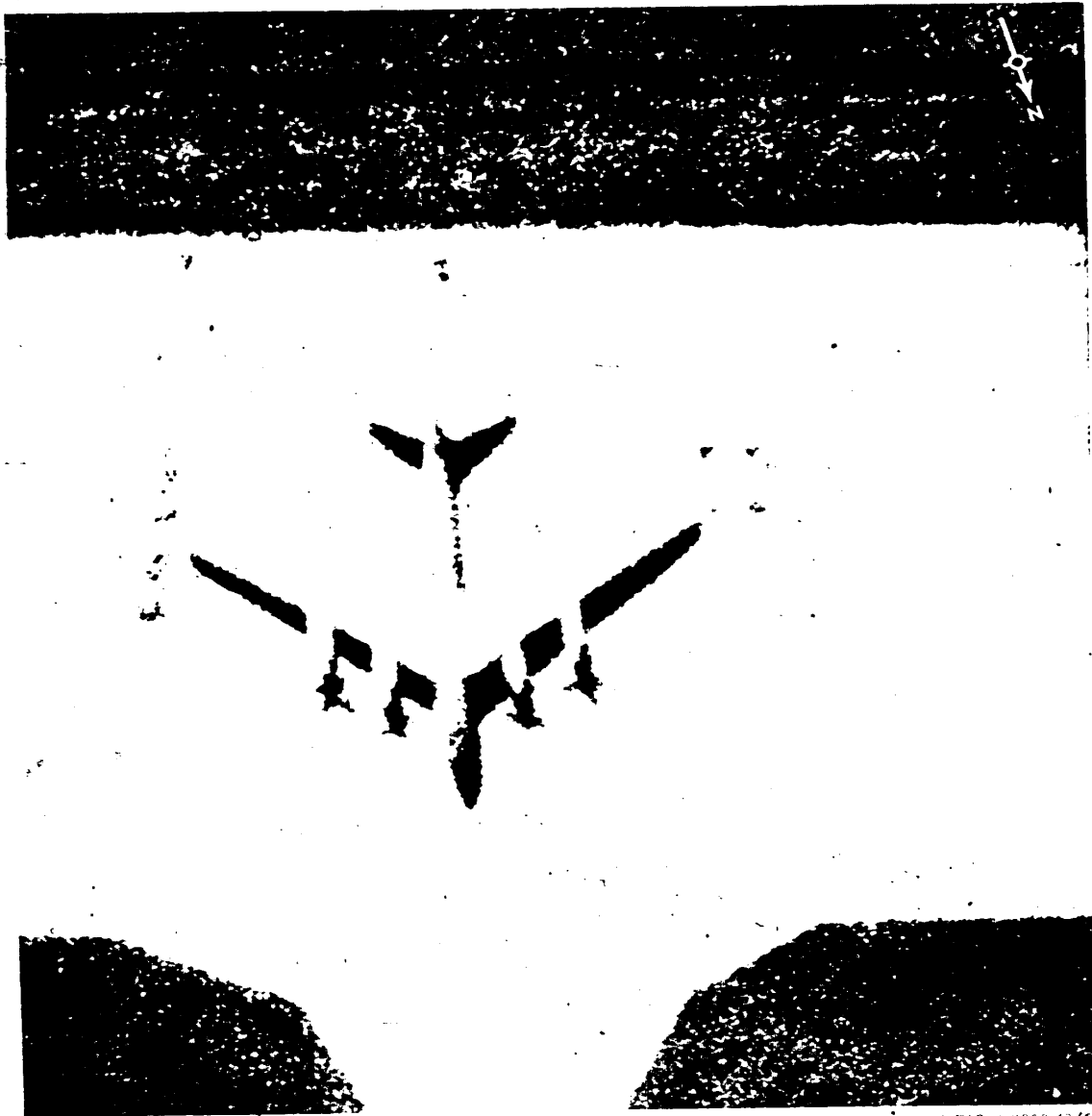
TOP SECRET CHESS RUFF

MISSION 4016, 13-16 MARCH 1965



ATTACHMENT 6

25X1  
25X1



BEAR AIRCRAFT, KERCH BAGEROVO AIRFIELD, USSR

REF ID: A66247651

TOP SECRET CHESS RUFF



25X1

TOP SECRET CHESS RUFF

MISSION 4016, 13-16 MARCH 1965



25X1

25X1

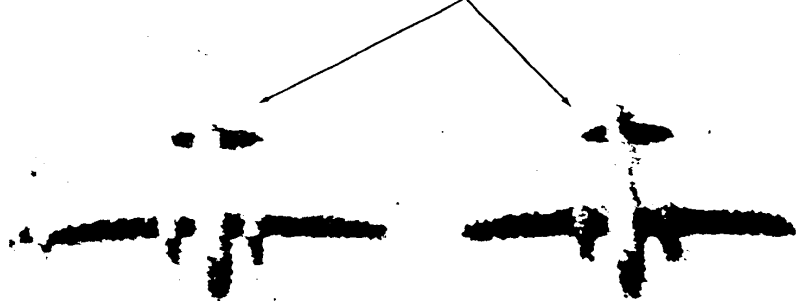
ATTACHMENT 7



BLINDER



CRATE



BLINDER AND CRATE AIRCRAFT, KERCH 'BAGEROVO AIRFIELD, USSR

NPIC J-9964 (3/65)

25X1

TOP SECRET CHESS RUFF



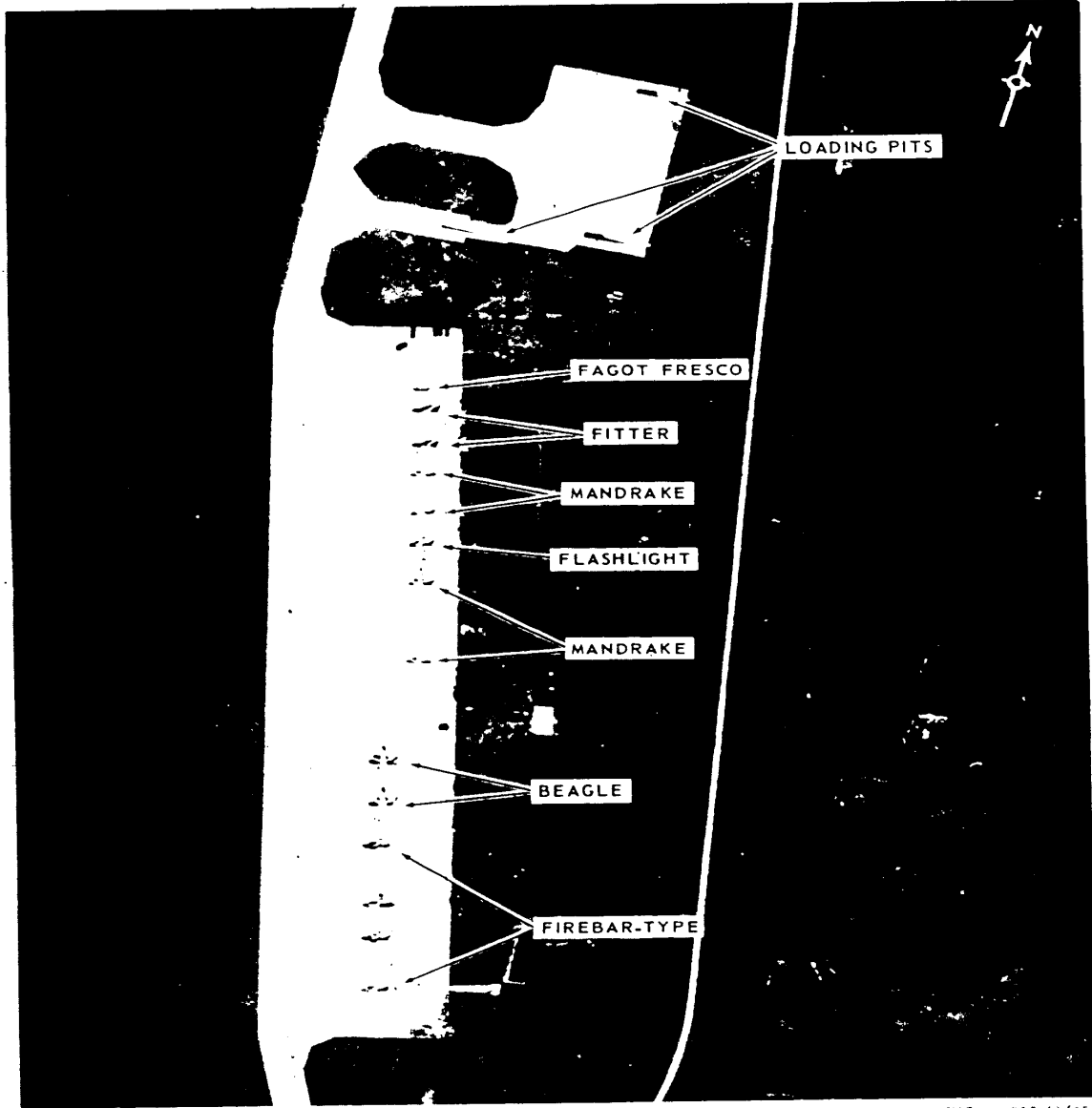
**TOP SECRET CHESS RUFF**

MISSION 4016, 13-16 MARCH 1965

25X1

25X1

ATTACHMENT 8



NORTHEAST PARKING APRON, KERCH 'BAGEROVO AIRFIELD, USSR

25X1

**TOP SECRET CHESS RUFF**

**Page Denied**

Next 4 Page(s) In Document Denied