

**PRIORITY**

**SECRET**

1968 MAR 2 02 22Z

OUT64505

**1**

P 020138Z MAR 68  
FM NPIC WASHDC  
TO AIG NINE SEVEN FIVE  
BT  
SECRET CITE NPIC 3160  
MISSION GL G-016

*Multe*

1 MAR 68

(TEXT IDENTICAL TO GL G-016 1 MAR 68)

**SECRET**

END OF MESSAGE

(SIG CEN NOTE: ABOVE ALSO PASSED )

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3,4,5	IEG	
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	DIAXX-4	
7	SPAD	
	DIR-AT	

25X1

25X1

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*ALL WITH TEXT*

**SECRET**

Group 1  
Excluded from automatic  
downgrading and  
declassification

00764505

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-016, 28 FEB 68. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.

*delete*

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C @CLEAR#, SC @SCATTERED CLOUD COVER#, HC @HEAVY CLOUD COVER#, H @HAZE#, CS @CLOUD SHADOW#, SD @SEMI-DARKNESS#, GC @GROUND COVER#, CF @CAMOUFLAGE#, O @OBLIQUITY#, AND GR @GROUND RESOLUTION#. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD#, F @FAIR#, OR P @POOR#. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL# OR PT @PARTIAL#. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO#, NS @NONSTEREO#, OR PS @PARTIAL STEREO#.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT @21-75 MM#, MEDIUM @76-100 MM#, HEAVY @OVER 100 MM#, AND AUTOMATIC WEAPONS @ZPU-1, ZPU-2, AND ZPU-4#. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED#.

THOSE TARGETS WHICH REFLECT NO SIGNIFICANT CHANGE IN FACILITIES FROM THE MOST ADEQUATE PREVIOUS MISSION WILL CARRY THE APPROPRIATE MISSION NUMBER AND DATE, PREFIXED BY THE LETTERS NAC, AS THE LAST ENTRY ON THE PHOTO REFERENCE LINE.

HIGHLIGHTS

GLASS LAMP MISSION G-016, 28 FEBRUARY 1968, PROVIDES EXCELLENT PHOTOGRAPHIC COVERAGE OF EASTERN CUBA WITH APPROXIMATELY 20 PERCENT CLOUD COVER, PRIMARILY OVER LAS VILLAS PROVINCE.

OF THE 184 COMIREX TARGETS PRESENTLY LISTED IN CUBA 53 ARE COVERED ON THIS MISSION. FIVE OF THESE ARE IDENTIFIED ONLY AND CANNOT BE INTERPRETED.

THE HIGHLIGHT OF THE MISSION IS THE IDENTIFICATION OF A NEW SA-2 SAM SITE UNDER CONSTRUCTION 15 NM SE OF HOLGUIN. SIX LAUNCH POSITIONS AND A CENTRAL GUIDANCE AREA ARRANGED IN A FAN CONFIGURATION ARE IN AN EARLY STAGE OF CONSTRUCTION.

NO SIGNIFICANT CHANGES ARE NOTED AT ANY OF THE 9 SAM SITES, 2 SAM ASSEMBLY AREAS, AND SAM TRAINING AREA WHICH ARE OBSERVED. NO CRUISE MISSILE SITES ARE COVERED ON THIS MISSION.

MILITARY, AIR, NAVAL, AND GROUND ACTIVITY APPEAR NORMAL THROUGHOUT THE AREA OF COVERAGE. CONSTRUCTION OF THE LARGE MILITARY INSTALLATION NEAR SANTA ANA @20-48N 077-12W# APPEARS TO BE NEARING COMPLETION.

MISSILES

HOLGUIN SAM SITE B27-2 CU 205232N 0762718W  
34-21

25X1

OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES#, 1 ADDITIONAL LAUNCHER, 6 MISSILE TRANSPORTERS @3 WITH EXPOSED MISSILES#, A FAN SONG RADAR WITH 5 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENER

HOLGUIN AIRFIELD SAM SITE CU 204650N 076195W

25X1

34-C1

25X1

OB -- 6 EMPLACED LAUNCHERS 04 WITH MISSILES, 10 MISSILE TRANSPORTERS, A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT, A PROBABLE ACQUISITION RADAR WITH GENERATOR VAN, 5 ZIL-157V, AND 5 CARGO TRUCKS.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN SAM SITE WEST CU 205100N 076274W

0565

34-Z8

OB -- NONE OBSERVED.

SITE REMAINS UNDER CONSTRUCTION.

25X1

SANTIAGO DE CURA SAM SITE A23-2 CU 195941N 0755057W

24-C

25X1

OB -- 6 EMPLACED LAUNCHERS 01 WITH MISSILES, 10 MISSILE TRANSPORTERS 03 WITH EXPOSED MISSILES, A FAN SONG RADAR WITH SHED-COVERED ASSOCIATED EQUIPMENT, 9 AT-5, 9 ZIL-157V, 8 CARGO TRUCKS, 1 TRUCK-MOUNTED CRANE, 5 VAN TRAILERS, AND 3 VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 200414N 0755336W

76-P

25X1

OB -- 17 MISSILE TRANSPORTERS, 2 MISSILE CANISTER TRANSPORTERS, 3 TRACTOR TRAILER TRUCKS, 3 TRUCK-MOUNTED CRANES, 2 TANK TRUCKS, 2 ZIL-157V, 17 OTHER VEHICLES, AND AT LEAST 50 MISSILE CANISTERS.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE 2 CU 195845N 0754922W

0647

24-H

THE 6 LAUNCH REVETMENTS AND ACQUISITION RADAR REVETMENT ARE IN MID-TO-LATE STAGES OF CONSTRUCTION. THE T-SHAPE CENTRAL GUIDANCE EXCAVATION IS IN MID-STAGES OF CONSTRUCTION.

NO MISSILE-ASSOCIATED VEHICLES/PIECES OF EQUIPMENT OBSERVED.

SUPPORT FACILITIES CONSIST OF 1 T-SHAPE, 1 L-SHAPE, 9 LARGE, AND 2 SMALL ASSOCIATED BUILDINGS.

25X1

PALMA SORIANO SAM SITE A02-2 CU 201524N 0755913W

54-H

25X1

OB -- 6 EMPLACED LAUNCHERS 02 WITH MISSILES, 10 MISSILE TRANSPORTERS 05 WITH EXPOSED MISSILES, A PROBABLE FAN SONG RADAR WITH SHED-COVERED ASSOCIATED EQUIPMENT, AN OCCUPIED ACQUISITION RADAR AREA, 11 VEHICLES/PIECES OF EQUIPMENT, AND 6 SETS OF BOGIE WHEELS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE AND 6 ADDITIONAL AAA PIECES.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

OB -- 4 EMPLACED MISSILES, 1 MISSILE CANISTER TRANSPORTER, NUMEROUS MISSILE CANISTERS, 7 CARGO TRUCKS, AND 1 TRUCK-MOUNTED CRANE. ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE. NO APPARENT CHANGE IN FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE A06-2 CU 204545N 0761540W  
72-C1

25X1

25X1

OB -- 6 EMPLACED LAUNCHERS 03 WITH MISSILES, 7 MISSILE TRANSPORTERS 04 WITH MISSILES, 2 PROBABLE MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 5 VAN TRAILERS, AND 4 OTHER VEHICLES/PIECES OF EQUIPMENT. NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

LA MAYA SAM SITE A35-2 CU 201409N 0754046W  
63-A

25X1

25X1

FACILITIES INCLUDE 6 LAUNCH REVETMENTS, 1 DRIVE-THROUGH MISSILE-HOLD BUNKER, 2 MISSILE-HOLD REVETMENTS, A T-SHAPE CENTRAL GUIDANCE REVETMENT, AN ACQUISITION RADAR REVETMENT, 7 BARRACKS, 1 ADMINISTRATION BUILDING, AND 1 STORAGE BUILDING.

OB -- 6 EMPLACED LAUNCHERS, 8 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 1 TRUCK-MOUNTED CRANE, 2 OTHER VAN TRAILERS, AND 1 VEHICLE/PIECE OF EQUIPMENT. ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

SANTIAGO SAM TRAINING AREA CU 195849N 0755100W  
24-D

25X1

25X1

OB -- 1 MISSILE TRANSPORTER, 11 CARGO TRUCKS, 3 CARGO TRAILERS, 5 VAN TRAILERS, AND 10 OTHER VEHICLES/PIECES OF EQUIPMENT. NO APPARENT CHANGE IN FACILITIES.

MANGUITO SAM SITE CU 204510N 0760340W  
0585 46-B

25X1

0.7 NM ESE OF MANGUITO. SITE LOCATED 0.7 NM ESE OF MANGUITO AND 15 NM SE OF HOLGUIN 6UTM 18 QVT095950# CONSISTS OF 6 LAUNCH POSITIONS AND A CENTRAL GUIDANCE AREA IN EARLY STAGES OF CONSTRUCTION AND ARRANGED IN A FAN CONFIGURATION. PROBABLE CABLE SCARS OBSERVED FROM THE CENTRAL GUIDANCE AREA TO THE LAUNCH POSITIONS. PROBABLE MISSILE HOLD AREAS ARE LOCATED IN A WOODED AREA EAST AND SE OF THE SITE.

OB -- NONE OBSERVED. QMAP REFERENCES -- AMS SERIES E723, SHEET 4978 11, 1ST ED.#

25X1

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD CU 212511N 0775054W  
27

25X1

OB -- 15 COLT, 13 HOUND, AND 3 POL TRUCKS. ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

[redacted] 34-C  
OB -- 8 FISHBED, 18 FAGOT/FRESCO, 1 MORAVA L-200, AND 1 HOUND. 25X1

[redacted] 25X1

LOS CANOS AIRFIELD CU 200505N 0750931W  
[redacted] 41-A 25X1

OB -- 1 COLT. 25X1

ANTONIO MACEO AIRFIELD CU 195809N 0755009W  
[redacted] 9 25X1

OB -- 1 CRATE, 1 C-46, AND 1 MORAVA L-200. 25X1

BAYAMO AIRFIELD EAST CU 202255N 0763701W  
[redacted] 11-D 25X1

OB -- 20 COLT 01 WITH OUTER PORTION OF WINGS REMOVED AND 1 HOUND. 25X1

[redacted] 25X1

BAYAMO AIRFIELD CU 202348N 0763717W  
[redacted] 11 25X1

AIRFIELD APPEARS TO BE ABANDONED. RUNWAY IS UNSERVICABLE.  
PARKING APRON, RUNWAY, AND ADJACENT AREAS ARE CLUTTERED WITH WHAT  
APPEARS TO BE SALVAGE. 25X1

[redacted] 25X1

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 200120N 0754910W  
[redacted] 76 25X1

OB -- 2 YP.  
OTHER VESSELS -- 13 FREIGHTERS. 25X1

[redacted] 25X1

NUEVITAS PORT CU 213237N 0771237W  
[redacted] 134 25X1

VESSELS -- 3 LARGE FREIGHTERS 01 OFF-SHORE, 1 COASTAL FREIGHTER,  
AND 1 TANKER. 25X1

[redacted] 25X1

CAIBARIEN PORT CU 223139N 0792818W  
[redacted] 26-A 25X1

VESSELS -- NONE OBSERVED. 25X1

ELECTRONICS/COMMUNICATIONS

HOLGUIN AW RADAR FACILITY CU 204822N 0761756W  
[redacted] 25X1

[redacted] 25X1

SANTIAGO DE CUBA AW RADAR FAC CU 195920N 0755100W  
[redacted] 24-E 25X1

OB -- NONE OBSERVED. 25X1

X WITH ASSC Approved For Release 2007/06/18 : CIA-RDP78B04549A000600030085-0  
NO APPARENT CHANGE IN FACILITIES.

[REDACTED] 25X1  
SANTIAGO DE CUBA AW RADAR FACILITY 2 CU 200530N 0755130W  
0585 76-X3

OB -- 1 TOKEN-CONFIGURED RADAR, 1 VAN TRUCK, AND 2 VAN TRAILERS.

[REDACTED] 25X1  
SANTIAGO LOW SIEVE RADAR FAC LA SOCAPA CU 195800N 0755209W  
[REDACTED] 25X1

PAINSERA RDR FACILITY PUNTA DE MULAS CU 2101//N 07535//W  
[REDACTED] 25X1

HOLGUIN AIRFIELD RADAR FACILITY SW CU 204502N 0762120W  
0585 34-D2  
[REDACTED] 25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 202950N 0760021W  
70-E 25X1

AREA 1 -- 6 FA PIECES, 8 AAA PIECES, 6 MORTAR, 19 BTR-60P, AND 26 CARGO TRUCKS.

AREA 2 -- 16 FA PIECES, 2 MORTAR, AND 22 CARGO TRUCKS.

AREA 3 -- 16 AAA PIECES, 18 CARGO TRUCKS, AND 3 UTILITY TRUCKS.

AREA 4 -- 26 TANKS/SP GUNS, 12 AAA PIECES, AND 31 CARGO TRUCKS.

AREA 5 -- 3 AAA PIECES, 19 BTR-152, 7 BRDM, 25 CARGO TRUCKS, 3 PROBABLE POL TRUCKS, AND 1 TRUCK-MOUNTED CRANE.

AREA 6 -- 4 PROBABLE MORTAR AND 20 PROBABLE CARGO TRUCKS.

AREA 7 -- 18 BTR-60P, 12 CARGO TRUCKS, AND 6 UNIDENTIFIED PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.  
[REDACTED] 25X1

DOS CAMINOS MILITARY CAMP CU 201428N 0754714W  
317-A 25X1

OB -- 37 FA PIECES, 12 PROBABLE AAA PIECES, 4 PROBABLE MORTAR, AND APPROXIMATELY 100 VEHICLES.

NO APPARENT CHANGE IN FACILITIES.  
[REDACTED] 25X1

GUANTANAMO AREA CU 2018//N 07525//W  
0585 32-L

NO NEW MILITARY ACTIVITY OBSERVED.

AREAS 1, 7, AND 8 -- 80 PERCENT USEABLE COVERAGE.

AREA 2 -- 70 PERCENT USEABLE COVERAGE.

AREA 3 -- 60 PERCENT USEABLE COVERAGE.

AREA 4 -- 85 PERCENT USEABLE COVERAGE.

AREA 5 -- 90 PERCENT USEABLE COVERAGE.

AREAS 6 AND 9 -- 100 PERCENT USEABLE COVERAGE.  
[REDACTED] 25X1

OB -- MAIN CAMP -- 6 FA PIECES, 6 AAA PIECES, 10 BTR-152 AND 28  
CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.  
CAMP 2.2 NM SE -- 6 FA PIECES, 10 BRDM, AND 18 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

HOLGUIN MILITARY CAMP NORTH CU 205713N 0761633W  
34-S

25X1

OB -- 6 AAA PIECES AND 21 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO MILITARY CAMP CUABITAS CU 200342N 0754837W  
76-V

25X1

OB -- 17 TANKS/SP GUNS, 2 LOWBOY TRACTOR TRAILER TRUCKS, 14 CARGO  
TRUCKS, AND 1 LOWBOY TRAILER.  
NO APPARENT CHANGE IN FACILITIES.

25X1

EL CRISTO MILITARY INSTALLATION CU 2010//N 07547//W  
65-A

25X1

OB -- 3 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO MILITARY CAMP LA QUINTA CU 200242N 0755136W  
76-N1

25X1

OB -- 19 PROBABLE BTR-152 AND 12 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

MINAS MILITARY CAMP FUNDICION CU 212710N 0773415W  
127-B

25X1

OB -- 18 TANKS/SP GUNS, 9 LOWBOYS, AND 26 CARGO TRUCKS.  
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

OFELIA MILITARY CAMP CU 200620N 0753040W  
347

25X1

OB -- 17 PROBABLE TANKS/SP GUNS AND 27 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

PUERTO PADRE MILITARY AREA CU 211140N 0763900W  
61-C

25X1

OB -- 17 TANKS/SP GUNS, 2 CARGO TRUCKS, AND 1 VEHICLE/PIECE OF  
EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY BKS NW CU 200325N 0755400W  
76-X1

25X1

OB -- 17 BTR-152 AND 6 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

25X1

25X1

OB -- 70 FA PIECES, 9 AAA PIECES, 3 MORTAR, 17 KUBABLE BIK-152,  
131 CARGO TRUCKS, 13 VAN TRUCKS, AND 3 UTILITY TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL CU 200130N 0754743W  
0585 76-X4

OB -- 30 FA PIECES, 9 AAA PIECES, 30 MORTAR, 16 CARGO TRUCKS, 2 VAN  
TRUCKS, 1 UTILITY TRUCK, AND 2 SMALL CARGO TRAILERS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

MAR VERDE LANDING BEACH CU 1957//N 07556//W  
78

25X1

MILITARY ASSOCIATED ACTIVITY CONSISTS OF A MOVING TARGET  
TANK-FIRING RANGE @SUBCALIBER# AT UTM 18QVT06806R AND 4 SUPPORT  
BUILDINGS.

MAP REFERENCE -- AMS SERIES E723, SHEET 5075 IV, 3D ED.#

25X1

NICARO LANDING BEACH CU 2042//N 07533//W  
0585 274

25X1

MOA @CANANOVAN# LANDING BEACH CU 2039//N 07502//W  
0585 370

25X1

CAYO DE SABINAL LANDING BEACH CU 2144//N 07728//W  
0586 504

25X1

HOLGUIN MILITARY INSTITUTE CU 2052//N 07620//W  
0585 34-X

OB -- 10 TANKS/SP GUNS, 32 FA PIECES, 12 AAA PIECES, 30 MORTAR, 60  
CARGO TRUCKS, AND 6 UTILITY TRUCKS OBSERVED IN FIELD ADJACENT TO  
THE MILITARY INSTITUTE.

25X1

SANTA ANA MILITARY CAMP CU 204810N 0761250W  
0585 372

CONSTRUCTION OF MAJOR FACILITIES APPEARS COMPLETE. CAMP IS  
COMPRISED OF 2 MAJOR AREAS.  
AREA 1 @UTM 18QUT730990# CONSISTS OF A BILLETING AND TRAINING AREA.  
FACILITIES -- 6 BARRACKS @4 L-SHAPE# 1 MESS HALL, 2 ADMINISTRATION  
AND 1 SUPPORT BUILDING, 5 VEHICLE MAINTENANCE SHEDS, 1 REVETTED  
BUILDING, A TRACKED VEHICLE DRIVING RANGE, AN OBSTACLE COURSE, AND  
AN ATHLETIC FIELD WITH 8 ASSOCIATED STRUCTURES.  
AREA 2 @UTM 18QUU741020# CONSISTS OF 4 BILLETING AREAS AND A  
DISPERSED STORAGE AREA ON WOODED HILLSIDE JUST NW OF BILLETING  
AREAS.

FACILITIES -- 26 BARRACKS, 2 MESS HALLS, 3 ADMINISTRATION AND 6  
SUPPORT #



DRIVING RANGE AND ALL OTHERS FIELD  
Approved For Release 2007/06/18 : CIA-RDP78B04549A000600030085-0  
OB -- 3 TANKS, 8 TANKS OF GUNS, 3 MILES OF PROBABLE AREA TO AAA  
PIECES, 23 CARGO TRUCKS, 1 VAN TRUCK, 23 OTHER VEHICLES/PIECES OF  
EQUIPMENT, AND 3 CARGO TRAILERS.  
QMAP REFERENCE -- AMS SERIES E723, SHEET 4978 II, 1ST ED. #

[REDACTED]

25X1

OTHER ACTIVITY

SANTIAGO MIL CAMP SW EARTH-COVERED BUNKER CU 195955N 8755840W

[REDACTED]

24-1

25X1

NO ACTIVITY OBSERVED.

[REDACTED]

25X1