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PHOTOGRAPHIC INTERPRETATION REPORT



GLASS LAMP MISSION G-935
14 DECEMBER 1966

Declass Review By NIMA/DOD

NPIC/R-393/66
DECEMBER 1966

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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GL MISSION G-935, 14 DECEMBER 1966

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PREFACE

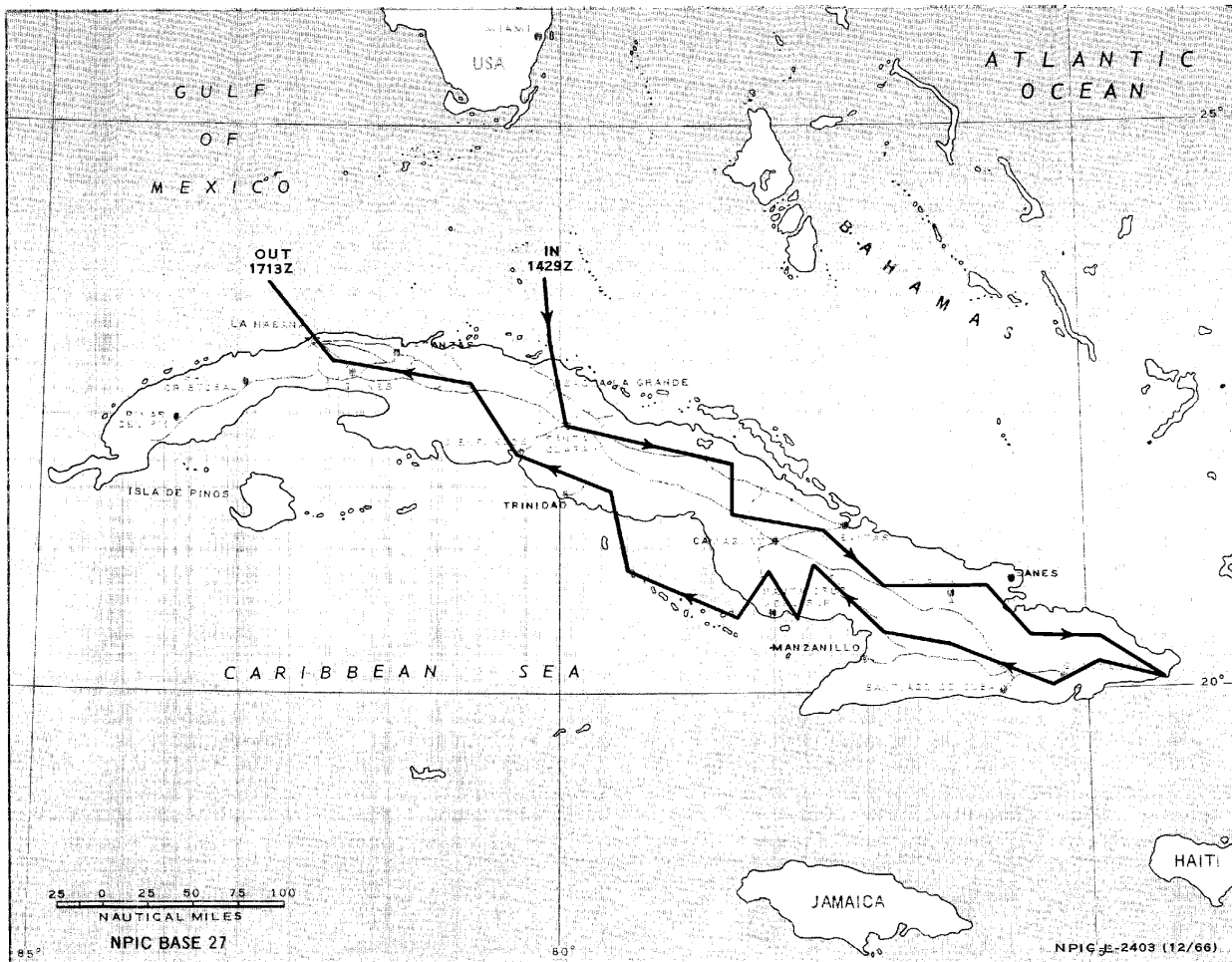
THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-935, 14 DEC 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

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 (SEMIDARKNESS), 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 THREE BASIC CATEGORIES -- LIGHT (2PU-2, ZPU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A 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).

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APPROXIMATE TRACK OF GLASS LAMP MISSION G-935, 14 DECEMBER 1966.

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MISSILES

MALDONADO SAM SITE A18-2 CU 2012N 07528W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 7 MISSILE TRANSPORTERS, AND A PROBABLE FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS AND 15 TRACKED PRIME MOVERS.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

OBLIQUITY LIMITS INTERPRETATION.



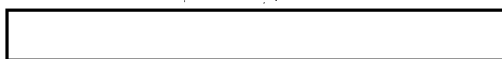
25X1D

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W

PERMANENT SITE REMAINS UNDER CONSTRUCTION.

OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 10 MISSILE TRANSPORTERS (3 WITH EXPOSED MISSILES, 7 CANVAS COVERED), A GUIDANCE AREA WITH FAN SONG RADAR AND 7 ASSOCIATED VAN TRAILERS, 2 OTHER VAN TRAILERS, 13 CARGO TRUCKS, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.



25X1D

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W

OB -- 6 EMPLACED LAUNCHERS (AT LEAST 2 WITH MISSILES), 7 MISSILE TRANSPORTERS, AND AN OCCUPIED CENTRAL GUIDANCE AREA.

OBLIQUITY LIMITS INTERPRETATION.



25X1D

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W

OB -- 6 MISSILE TRANSPORTERS (2 WITH EXPOSED MISSILES), NUMEROUS MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, AND 7 OTHER VEHICLES.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

25X1A

SANTIAGO SAM TRAINING AREA

CU 1958N 07551W

OB -- AT LEAST 27 VEHICLES OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

PALMA SORIANO SAM SITE A02-2

CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS (2 WITH MISSILES), 8 MISSILE TRANSPORTERS (3 WITH EXPOSED MISSILES), 1 FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 9 OTHER VEHICLES.

NO APPARENT CHANGE IN LAUNCH OR SUPPORT FACILITIES.

25X1D

[REDACTED]

CONSTANCIA SAM SITE A10-2

CU 2214N 08030W

OB -- 6 EMPLACED LAUNCHERS (1 WITH MISSILE), 10 MISSILE TRANSPORTERS (3 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 VAN TRAILERS, 9 AT-S TRACKED PRIME MOVERS, 10 ZIL-157V TRUCK TRACTORS, 18 CARGO TRUCKS, AND 1 TRUCK-MOUNTED CRANE.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

[REDACTED]

LA MAYA SAM SITE

CU 2014N 07540W

25X1D

[REDACTED]

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25X1A

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W

OB -- 12 FRESCO, 5 FAGOT, 1 CRATE, AND 1 LIAISON.

ACTIVITY -- 10 PROBABLE MIG-17 SHIPPING CRATES REMAIN TO THE REAR OF THE MAIN PARKING AREA.

25X1D

[REDACTED]

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W

OB -- 2 COKE, 1 CRATE, 1 C-46, 1 C-47, 2 LIAISON, AND 18 HOUND.

25X1D

[REDACTED]

LOS CANOS AIRFIELD CU 2005N 07509W

OB -- NONE OBSERVED.

25X1D

[REDACTED]

ANTONIO MACEO AIRFIELD CU 1958N 07550W

OB -- 1 CRATE AND 2 HOUND.

25X1D

[REDACTED]

JOSE MARTI INTERNATIONAL AIRFIELD CU 2259N 08224W

OB (OPERATIONS AREA) -- 1 CLEAT, 2 BRITANNIA, 2 COOT, 1 PROBABLE CUB, 4 COKE, 7 CRATE, 3 C-46, 1 C-47, 3 LIAISON, AND 1 LIGHT STRAIGHT-WING.

OB (MAINTENANCE AREA) -- 5 CRATE.

25X1D

[REDACTED]

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25X1A

JAIME GONZALES AIRFIELD CU 2209N 08024W

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

ACTIVITY -- CONSTRUCTION CONTINUES ON RUNWAY EXTENSION.

[REDACTED]

25X1D

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W

OB -- 2 P-6-CLASS PT ON MARINE RAILWAY.

OTHER VESSELS -- 3 LARGE FREIGHTERS AND 1 LARGE TANKER.

SCATTERED CLOUDS LIMIT INTERPRETATION.

[REDACTED]

25X1D

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W

OB -- NONE OBSERVED.

OTHER VESSELS -- 7 LARGE FREIGHTERS.

[REDACTED]

25X1D

NUEVITAS PORT CU 2132N 07715W

VESSELS -- NONE OBSERVED IN CLOUD-FREE AREAS.

[REDACTED]

25X1D

CASILDA PORT CU 2145N 07959W

VESSELS -- NONE OBSERVED.

[REDACTED]

25X1D

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25X1A

ELECTRONICS/COMMUNICATIONS

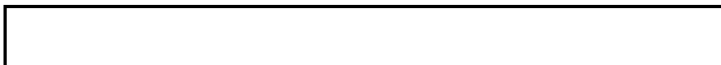
SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W

OB -- NONE OBSERVED.

ACTIVITY -- AT LEAST 40 VEHICLES/PIECES OF EQUIPMENT.

OBLIQUITY LIMITS INTERPRETATION.

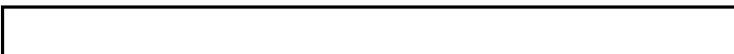
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SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W

OB -- 1 TOKEN-TYPE RADAR.

25X1D



MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W

OB -- 23 TANKS/SP GUNS, 40 FA PIECES, 9 MORTARS, 119 CARGO TRUCKS, AND 7 UTILITY TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

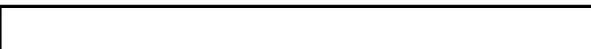


DOS CAMINOS MILITARY CAMP CU 2014N 07547W

OB -- 45 FA PIECES, 12 AAA PIECES, 43 TRACKED PRIME MOVERS, AND AT LEAST 12 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

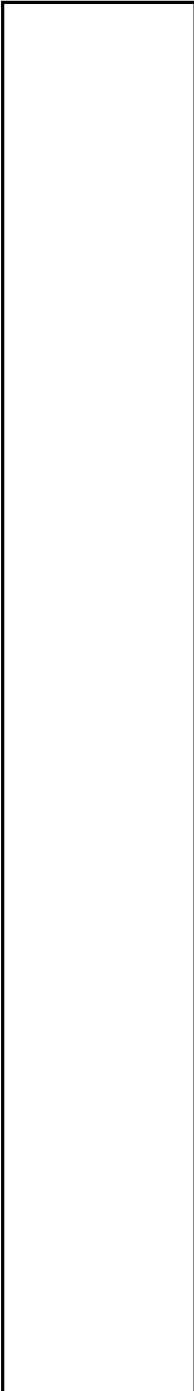


GUANTANAMO AREA CU 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

AREAS 1, 2, 8 -- 70 PERCENT USEABLE COVERAGE.

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AREA 3 -- 75 PERCENT USEABLE COVERAGE.

AREAS 4, 7 -- 85 PERCENT USEABLE COVERAGE.

AREAS 5, 6, 9 -- 90 PERCENT USEABLE COVERAGE.

25X1D

[REDACTED]

25X1A

SANTIAGO DE LAS VEGAS MILITARY CAMP CU 2258N 08220W

AT LEAST 120 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

SANTIAGO DE LAS VEGAS MIL CAMP SOUTH CU 2257N 08223W

OB -- NONE OBSERVED.

25X1D

[REDACTED]

CAMAGUEY MILITARY CAMP CU 2126N 07753W

OB -- 1 VEHICLE/PIECE OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

CUABITAS MILITARY CAMP CU 2003N 07548W

OB -- 13 TANKS/SP GUNS, 2 CARGO TRUCKS, AND 2 UTILITY TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

EL CRISTO MILITARY INSTALLATION CU 2010N 07547W

OB -- 2 PROBABLE SALISH TRANSPORTERS/LAUNCHERS AND 2 PROBABLE SALISH RESUPPLY VEHICLES.

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NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

25X1A

JURAGUA MILITARY ACTIVITY

CU 2209N 08035W

OB -- NONE OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

LA QUINTA MILITARY CAMP

CU 2002N 07551W

OB -- 5 FA PIECES, 5 MORTARS, AND 2 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

MANAGUA MILITARY CAMP

CU 2258N 08217W

AT LEAST 27 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

OFELIA MILITARY CAMP

CU 2006N 07530W

OB -- 12 TANKS/SP GUNS, 30 FA PIECES, 19 AAA PIECES, 13 MORTARS, 5 TRACKED PRIME MOVERS, 38 CARGO TRUCKS, 3 VAN TRUCKS, AND 1 GRADER.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1D

[REDACTED]

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25X1A

SANTA CLARA ARTILLERY TRAINING AREA CU 2222N 08000W

OB -- 18 MEDIUM AAA PIECES, 11 CARGO TRUCKS, 1 VAN TRUCK, AND 3 CARGO TRAILERS.

NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

25X1D

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W

OB -- AT LEAST 10 PROBABLE MORTARS, 3 PROBABLE AAA PIECES, AND 12 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

25X1D

SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W

OB -- 30 PROBABLE FA PIECES, 21 PROBABLE MORTARS, 14 PROBABLE AAA PIECES, AT LEAST 28 CARGO TRUCKS, 1 VAN TRUCK, AND 9 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

25X1D

CHORRERA DE MANAGUA MILITARY CAMP W CU 2302N 08219W

OB -- 32 PROBABLE BTR 60-P AND 17 CARGO TRUCKS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN FACILITIES.

[REDACTED]

25X1D

LAS MERCEDES VEHICLE PARK CU 2224N 08001W

OB -- 1 TRACTOR TRAILER TRUCK, 14 CARGO TRUCKS, 36 PROBABLE VAN TRUCKS, 3 UTILITY TRUCKS, AND APPROXIMATELY 40 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

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25X1D

[Redacted]

25X1A

SIBONEY LANDING BEACH

CU 1957N 07542W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

PLAYA YATERITAS LANDING BEACH

CU 1958N 07457W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

MAR VERDE LANDING BEACH

CU 1957N 07556W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

IMIAS LANDING BEACH

CU 2005N 07440W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

MOA (PUNTA GORDA) LANDING BEACH

CU 2039N 07453W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

MOA (CANANOVA) LANDING BEACH

CU 2039N 07502W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

[Redacted]

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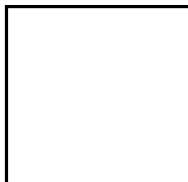
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-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--



SANTA CLARA EW/GCI RADAR SITE	2229N 07956W
RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
SAN MIGUEL EW/GCI RADAR SITE	2229N 07953W
CIENFUEGOS LANDING BEACH	2202N 08036W
ENSENADA COLORADO LANDING BEACH	2202N 08025W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--



CIFUENTES SAM ASSEMBLY AREA	2236N 08005W
LA SALUD SAM SITE A04-2	2253N 08224W
SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA	2257N 08221W
MANZANILLO PORT	2021N 07707W
PUNTA MAISI LOW SIEVE RADAR SITE	2014N 07409W
LA SOCAPA LOW SIEVE RADAR SITE	1958N 07552W

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