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NPIC/R-1556/63

November 1963

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR
BRASS KNOB MISSION 3771
13 NOVEMBER 1963

Declass reveiw-NIMA/DOD

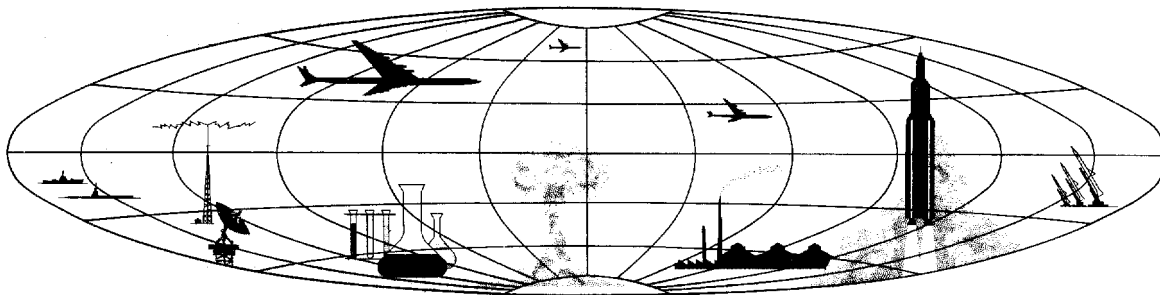


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downgrading and declassification



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PREFACE

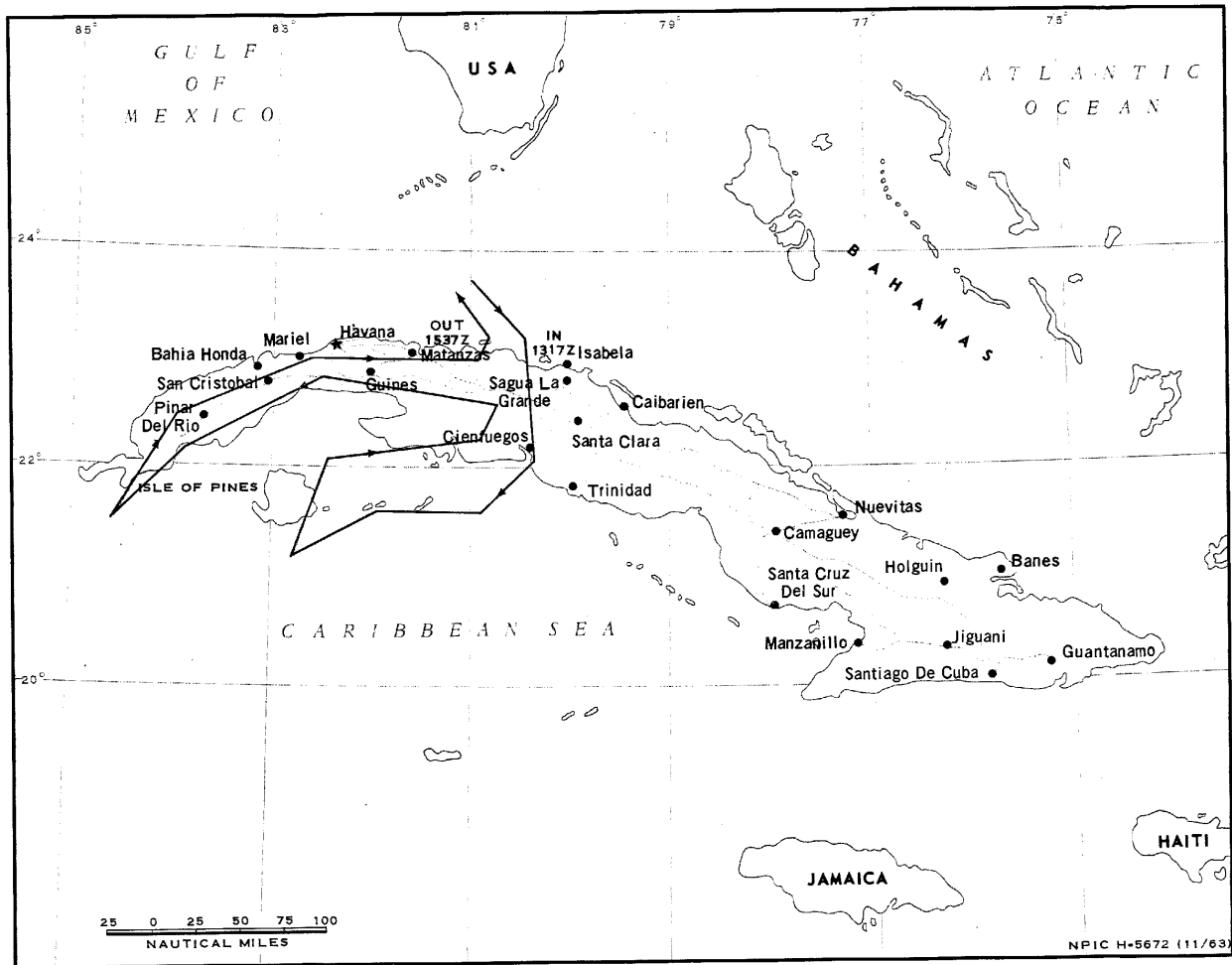
THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM BRASS KNOB MISSION 3771, DATED 13 NOV 1963. THE NUMBER APPEARING AT THE END OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

FOR ITEMS OF SPECIAL INTEREST SEE --
ATTACHMENT 1, LA FLORA MILITARY STORAGE
ATTACHMENT 2, ZARAGOZA AREA MILITARY CAMP

25X1A

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APPROXIMATE TRACK OF BRASS KNOB MISSION 3771, 13 NOVEMBER 1963.

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-MISSILES-

25X1A

SAN CRISTOBAL MRBM SITE 3 2242N 08308W

SITE ABANDONED.
NO ACTIVITY OBSERVED.

25X1D

SAN CRISTOBAL MRBM SITE 2246N 08258W

SITE ABANDONED.
NO ACTIVITY OBSERVED.

25X1D

SAN JULIAN AIRFIELD SAM SITE 2205N 08408W

SITE 1 -- 6 REVETTED CANVAS-COVERED LAUNCHERS, 4 CANVAS-COVERED MISSILE TRANSPORTERS, 15 TRACKED PRIME MOVERS, 6 UNIDENTIFIED VEHICLES, AND AN OCCUPIED GUIDANCE REVETMENT CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT.

SITE 2 -- 6 UNREVETTED LAUNCHERS (3 CANVAS-COVERED AND 3 WITH MISSILES), 4 CANVAS-COVERED MISSILE TRANSPORTERS, 15 TRACKED PRIME MOVERS, 3 VAN TRAILERS, 10 OTHER VEHICLES, AND AN OCCUPIED GUIDANCE AREA CONTAINING RADAR AND 6 VANS.

25X1D

25X1A

MARIEL SAM SITE 2300N 08249W

SIX REVETTED LAUNCHERS, AT LEAST 3 MISSILE TRANSPORTERS, AND AN OCCUPIED GUIDANCE REVETMENT WITH RADAR AND AT LEAST 4 VANS OBSERVED.

25X1D

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25X1A

MATANZAS SAM SITE 2301N 08129W

FOUR UNREVIEWED LAUNCHERS, 2 CANVAS-COVERED MISSILE TRANSPORTERS, 5 POSSIBLE MISSILE TRANSPORTERS (3 WITH PRIME MOVERS), 13 CANVAS-COVERED TRACKED PRIME MOVERS, 3 UNIDENTIFIED VEHICLES, AND AN OCCUPIED GUIDANCE AREA OBSERVED IN CLOUD-FREE AREAS.

25X1D

CIENFUEGOS SAM SITE 2202N 08024W

SIX UNREVIEWED LAUNCHERS (3 POSSIBLY WITH MISSILES), 3 CANVAS-COVERED HOLD AREAS, AND AN OCCUPIED GUIDANCE AREA OBSERVED.

25X1D

SIGUANEA SAM SITE 2137N 08257W

SIX REVIEWED LAUNCHERS (ONE CANVAS-COVERED), 4 CANVAS-COVERED MISSILE TRANSPORTERS, AND AN OCCUPIED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

25X1D

MAJANA SAM SITE 2241N 08249W

SIX UNREVIEWED LAUNCHERS (5 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, 5 TRACKED PRIME MOVERS, 3 CANVAS-COVERED HOLD AREAS, 3 VAN TRAILERS, AND AN OCCUPIED GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

25X1D

LA COLOMA SAM SITE 2 2219N 08334W

SIX UNREVIEWED CANVAS-COVERED LAUNCHERS, 3 HOLD AREAS, AT LEAST 13 UNIDENTIFIED VEHICLES, AND AN OCCUPIED GUIDANCE AREA OBSERVED.

25X1D

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25X1A

GUARA SAM SITE 2248N 08213W

SIX UNRETTED LAUNCHERS (3 CANVAS-COVERED), 4 CANVAS-COVERED MISSILE TRANSPORTERS, 12 TRACKED PRIME MOVERS, 4 UNIDENTIFIED VEHICLES OR PIECES OF EQUIPMENT, AN UNRETTED GUIDANCE AREA CONTAINING RADAR AND 4 CANVAS- OR NET-COVERED VANS, AND 2 CANVAS-COVERED AREAS OBSERVED. FACILITIES INCLUDE 5 LARGE, 7 MEDIUM, AND ONE SMALL TENT.

25X1D

25X1A

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE 2309N 08156W

TWO RETTTED LAUNCHERS, AT LEAST 12 CRUISE-MISSILE CRATES, AND AT LEAST 25 VEHICLES OBSERVED IN CLOUD-FREE AREAS.

25X1D

-AIRFIELDS-

SIGUANEA AIRFIELD 2138N 08257W

NO AIRCRAFT OBSERVED IN CLOUD-FREE AREAS.

25X1D

CORONEL PASCUAL AIRFIELD 2307N 08117W

AIRCRAFT -- 3 LIAISON, 2 HOUND, AND ONE PROBABLE HARE (WITHOUT ROTOR BLADES).

25X1D

SAN ANTONIO DE LOS BANOS AIRFIELD 2252N 08231W

AIRCRAFT -- 35 FISHBED, 3 FARMER, 16 FAGOT/FRESCO, ONE HOUND, 2 LIAISON, AND ONE DERELICT FARMER.

25X1D

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25X1A

SAN JULIAN AIRFIELD 2205N 08409W

AIRCRAFT -- 7 FAGOT/FRESCO, ONE CRATE, ONE COLT,
AND ONE HARE.

25X1D

JOSE MARTI INTERNATIONAL AIRFIELD 2259N 08224W

OPERATIONS AREA -- ONE CLEAT, 3 BRITANNIA, ONE COOT,
2 C-54, 4 CRATE, AND ONE C-46.
MAINTENANCE AREA -- 3 CONSTELLATION, 2 C-54, 5 C-46,
ONE B-26, ONE LODESTAR, AND ONE LIAISON.

25X1D

CAMPO LIBERTAD AIRFIELD 2306N 08226W

AIRCRAFT -- ONE C-46, ONE C-47, ONE PROBABLE CRATE,
AND NUMEROUS LIAISON.
OBLIQUITY AND CLOUD SHADOW LIMIT INTERPRETATION.

25X1D

PLAYA BARACOA AIRFIELD 2302N 08235W

AIRCRAFT -- ONE CRATE, ONE PROBABLE C-46, ONE
UNIDENTIFIED TRANSPORT, 22 HOUND, ONE HARE, AND 2
BELL HELICOPTERS.
OBLIQUITY LIMITS INTERPRETATION.

25X1D

COLONEL MARTIN MARRERRO AIRFIELD 2150N 08247W

NO AIRCRAFT OBSERVED.
FIVE POSITIONS OF THE 6-GUN AAA SITE ARE OCCUPIED.

25X1D

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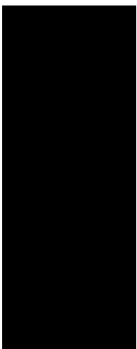
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25X1A

JAIME GONZALES AIRFIELD 2209N 08025W

AIRCRAFT -- ONE PROBABLE C-47.

25X1D



-PORTS-

MARIEL NAVAL BASE AND NAVAL AIR STATION 2301N 08245W

25X1D

VESSELS -- 6 KOMAR-CLASS PGMG, ONE PF [REDACTED] AND ONE PC. TWO LARGE FREIGHTERS, AT LEAST 20 CARGO TRUCKS, AND APPROXIMATELY 20 ADDITIONAL VEHICLES OR PIECES OF EQUIPMENT AT THE MARIEL CITY PIER. APPROXIMATELY 15 UNIDENTIFIED CRATES, APPROXIMATELY 35 VEHICLES, AND 2 CARGO TRAILERS OBSERVED AT THE NAVAL AIR STATION.

25X1D

25X1D



25X1D

25X1A

CABANAS NAVAL FACILITY 2258N 08258W

VESSELS -- 3 KOMAR-CLASS PGMG AND 3 POSSIBLE P-4 MTB. SEVEN UNIDENTIFIED CRATES AND APPROXIMATELY 40 VEHICLES OBSERVED IN CLOUD- AND SHADOW-FREE AREAS.

25X1D



25X1A

CIENFUEGOS PORT 2209N 08027W

VESSELS -- ONE PF, 2 KRONSHADT-CLASS PC, 3 PROBABLE PC, 3 PT, AND 3 LARGE FREIGHTERS OBSERVED IN CLOUD-FREE AREAS.

25X1D



25X1A

NUEVA GERONA PORT 2153N 08248W

NO LARGE VESSELS OBSERVED.



25X1D



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25X1A

CARDENAS PORT 2302N 08112W

VESSELS -- ONE FREIGHTER.

25X1D



SANTA LUCIA PORT 2240N 08358W

NO LARGE VESSELS OBSERVED IN CLOUD-FREE AREAS.

25X1D



MATANZAS PORT 2303N 08134W

VESSELS -- ONE LARGE FREIGHTER OBSERVED IN CLOUD-FREE AREAS.

25X1D



SURGIDERO DE BATABANO PORT 2241N 08218W

NO LARGE VESSELS OBSERVED.

25X1D



HAVANA PORT 2308N 08221W

VESSELS -- 16 LARGE FREIGHTERS AND ONE COASTAL FREIGHTER OBSERVED IN CLOUD-FREE AREAS.

25X1D



LA COLOMA PORT 2214N 08334W

NO LARGE VESSELS OBSERVED.

25X1D



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25X1A

CABANAS PORT 2259N 08256W

NO LARGE VESSELS OBSERVED IN CLOUD-FREE AREAS.
(SEE CABANAS NAVAL FACILITY)

25X1D

BAHIA HONDA PORT 2255N 08311W

NO LARGE VESSELS OR MILITARY EQUIPMENT OBSERVED.

25X1D

KAWAMA MARINA 2307N 08117W

VESSELS -- 2 P-4 MTB.

25X1D

-MILITARY ACTIVITY-

25X1A

LA FLORA MILITARY STORAGE 2252N 08233W

TEN TANKS/SP GUNS AND APPROXIMATELY 30 CARGO TRUCKS
OBSERVED.

(SEE ATTACHMENT 1)

25X1D

SANTIAGO DE LAS VEGAS AREA, MILITARY CAMP 2258N 08220W

APPROXIMATELY 29 TANKS/SP GUNS AND APPROXIMATELY 90
OTHER VEHICLES OBSERVED.

THE 6-GUN AAA SITE IS OCCUPIED. OCCUPANCY OF THE
9-GUN AAA SITE IS UNDETERMINED.
HAZE LIMITS INTERPRETATION.

25X1D

SAN JOSE DE LAS LAJAS CAMP AND DEPOT 2255N 08210W

NO APPARENT CHANGE IN FACILITIES.
NO VEHICLES OR EQUIPMENT OBSERVED.

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25X1D



25X1A

MADRUGA MILITARY AREA 2256N 08149W

NO APPARENT CHANGE IN FACILITIES.
NO VEHICLES OBSERVED.
OBLIQUITY LIMITS FURTHER INTERPRETATION.

25X1D



GUANE AREA, PROBABLE TANK TRAINING COURSE 2215N 08409W

NO ACTIVITY OBSERVED.

25X1D



SANTA FE MILITARY CAMP LUMUMBA 2142N 08249W

NO APPARENT CHANGE IN FACILITIES.
THREE UNIDENTIFIED VEHICLES OBSERVED.

25X1D



NAZARENO, MILITARY AREA 2258N 08214W

FOURTEEN PROBABLE TANKS/SP GUNS AND APPROXIMATELY 8
OTHER VEHICLES OBSERVED.

25X1D



25X1A

CAMPO FLORIDO MILITARY CAMP 2307N 08206W

APPROXIMATELY 15 TANKS/SP GUNS OBSERVED.
CLOUD SHADOW LIMITS FURTHER INTERPRETATION.

25X1D



GUANABACOA MILITARY AREA 2307N 08215W

EAST AREA -- 35 VEHICLES AND 12 FA PIECES.
WEST AREA -- APPROXIMATELY 65 VEHICLES AND 8 POSSIBLE
FA PIECES.

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25X1D

[REDACTED]
LOMA DE TIERRA, MILITARY CAMP 2301N 08213W
NO EQUIPMENT OR ACTIVITY OBSERVED.

25X1A

25X1D

[REDACTED]
LA JUTIA AREA, MILITARY INSTALLATION 2155N 08016W
NO APPARENT CHANGE IN FACILITIES.
NO EQUIPMENT OR ACTIVITY OBSERVED.

25X1D

[REDACTED]
CANTEL MILITARY CAMP 2302N 08119W
NO APPARENT CHANGE IN FACILITIES.
NINETEEN TANKS/SP GUNS, 4 CARGO TRUCKS, AND 3
UNIDENTIFIED VEHICLES OBSERVED.
THE 3-GUN AAA SITE APPEARS OCCUPIED.

25X1D

[REDACTED]
HAVANA VEHICLE PARK 2309N 08215W
APPROXIMATELY 20 VEHICLES OBSERVED.

25X1D

[REDACTED]
LOMAS TETAS DE MANAGUA, TANK PARK 2258N 08219W
TWENTY-SEVEN TANKS/SP GUNS, 40 PROBABLE TANKS/SP GUNS,
AND APPROXIMATELY 10 PROBABLE CARGO TRUCKS OBSERVED.

25X1D

[REDACTED]
GUANABANA, MILITARY AREA 2258N 08132W
NORTH AREA -- 15 PROBABLE CARGO TRUCKS, 10
UNIDENTIFIED VEHICLES OR PIECES OF EQUIPMENT AND 8
PROBABLE FA PIECES OBSERVED IN CLOUD-FREE AREAS.
SOUTH AREA -- CLOUD COVERED.

25X1A

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SECRET

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25X1D



25X1A

SAN DIEGO DE NUNEZ, MILITARY CAMP 2255N 08305W

FOURTEEN TANKS/SP GUNS AND APPROXIMATELY 20 OTHER VEHICLES OBSERVED.
CLOUD SHADOW LIMITS INTERPRETATION.

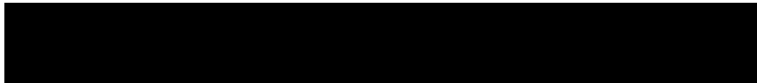
25X1D



MARTI AREA, ARMOR TRAINING AREA 2258N 08059W

THREE POSSIBLE TANKS/SP GUNS OBSERVED IN CLOUD-FREE AREAS.

25X1D



GUAYABAL MILITARY CAMP 2254N 08237W

MAIN CAMP -- 12 TRACKED PRIME MOVERS, 12 CARGO TRUCKS, 19 FA PIECES, AND 3 AAA PIECES.
AREA 1 -- 12 CARGO TRUCKS AND APPROXIMATELY 18 FA PIECES.
AREA 2 -- APPROXIMATELY 18 VEHICLES AND 10 PROBABLE FA PIECES.
AREA 3 -- IDENTIFICATION ONLY.

25X1D



25X1A

JAGUA, MILITARY AREA 2205N 08029W

NO APPARENT CHANGE IN FACILITIES.
SIXTEEN CARGO TRUCKS AND 18 FA PIECES OBSERVED.

25X1D



BELLAVISTA MILITARY INSTALLATION 2300N 08136W

NO MILITARY EQUIPMENT OR ACTIVITY OBSERVED.

25X1D



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ZARAGOZA AREA MILITARY CAMP 2256N 08204W

2.5 NM WNW OF ZARAGOZA AND 4.5 NM ESE OF
SAN JOSE DE LAS LAJAS.
SEVEN BUILDINGS, 9 LARGE TENTS (NONE OF A KNOWN SOVIET
TYPE), AND 22 AAA PIECES OBSERVED.
(SEE ATTACHMENT 2)

25X1D



25X1A



SPECIAL AREA TANGO 2258N 08244W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS

25X1D



25X1A



TARARA LANDING BEACH 2310N 08212W

NO APPARENT CHANGE IN CLOUD-FREE AREAS.

25X1D



MATANZAS LANDING BEACH 2301N 08126W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D



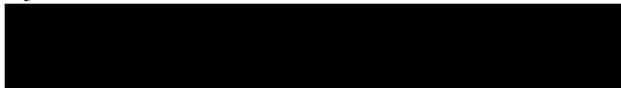
25X1A



VARADERO LANDING BEACH 2308N 08118W

NO NEW MILITARY ACTIVITY OR EQUIPMENT OBSERVED IN
CLOUD-FREE AREAS.

25X1D



CIENFUEGOS LANDING BEACH 2202N 08036W

NO NEW MILITARY ACTIVITY OR EQUIPMENT OBSERVED IN
CLOUD-FREE AREAS.

25X1D



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25X1A

ENSENADA COLORADO LANDING BEACH 2202N 08025W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

PLAYA COLOMBO LANDING BEACH 2154N 08246W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

PLAYA DE FLAMENCOS LANDING BEACH 2153N 08243W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

25X1D

-STATUS OF OTHER TARGETS-

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

25X1A

GUANAJAY IRBM SITE 1	2257N 08239W
GUANAJAY IRBM SITE 2	2257N 08236W
SANTA LUCIA SAM SITE	2241N 08355W
HAVANA, AMMUNITION STORAGE AREA	2301N 08226W
EL CRIOLLO, MILITARY CAMP	2259N 08225W
MINAS AREA, MILITARY CAMP	2306N 08211W
SPECIAL AREA BRAVO BLUE	2250N 08233W
SPECIAL AREA BRAVO RED	2254N 08231W
SPECIAL AREA VICTOR	2300N 08234W
BEJUCAL MUNITIONS STORAGE SITES NE AND NW	2256N 08223W

SECRET

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED --

25X1A

TAPASTE AREA, STORAGE SITES	2303N 08207W
HAVANA SAM SITE	2309N 08213W
SAGUA LA GRANDE SAM SITE	2251N 08005W
SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA	2257N 08221W
PINAR DEL RIO SAM ASSEMBLY AREA	2221N 08339W
MANAGUA SAM SITE	2259N 08215W
LA SALUD SAM SITE	2253N 08224W
PUNTA BRAVA SAM SITE	2301N 08231W
TORRENS SAM ASSEMBLY AREA	2257N 08227W
SIGUANEA CRUISE-MISSILE SITE	2137N 08258W
CAMPO FLORIDO CRUISE-MISSILE SITE	2306N 08211W
GUERRA CRUISE-MISSILE STORAGE	2300N 08250W
CAMILO CIENFUEGOS AIRFIELD	2229N 07955W
PINAR DEL RIO AIRFIELD	2225N 08341W
TRINIDAD AIRFIELD	2147N 07959W
CAIBARIEN PORT	2232N 07928W
CASILDA PORT	2145N 07959W
PINAR DEL RIO, MILITARY CAMP	2223N 08342W
ARTEMISA, MILITARY CAMP	2251N 08248W
LA BOCA, MILITARY CAMP	2301N 08242W
CABANAS AREA, MILITARY CAMP	2256N 08251W
TORRENS, MILITARY COMPLEX	2259N 08228W
LIMONAR MILITARY CAMP SE	2256N 08124W
MANAGUA, MILITARY CAMP	2258N 08217W
MESTANZA, EXPLOSIVES STORAGE SITE	2228N 08347W
HAVANA AREA, MILITARY CAMP	2301N 08217W
GUANE, MILITARY CAMP	2212N 08408W
SAN JOSE DE LAS LAJAS STORAGE	2257N 08211W
GUANAJAY MILITARY CAMP MARTIN MESA	2257N 08243W
CABANA FORTRESS	2308N 08220W
SPECIAL AREA ALPHA	2258N 08227W
SPECIAL AREA JULIET	2301N 03240W
SAN FRANCISCO DE PAULA, MUNITIONS STORAGE SITE	2303N 08218W
MANAGUA, MUNITIONS STORAGE SITE	2258N 08218W

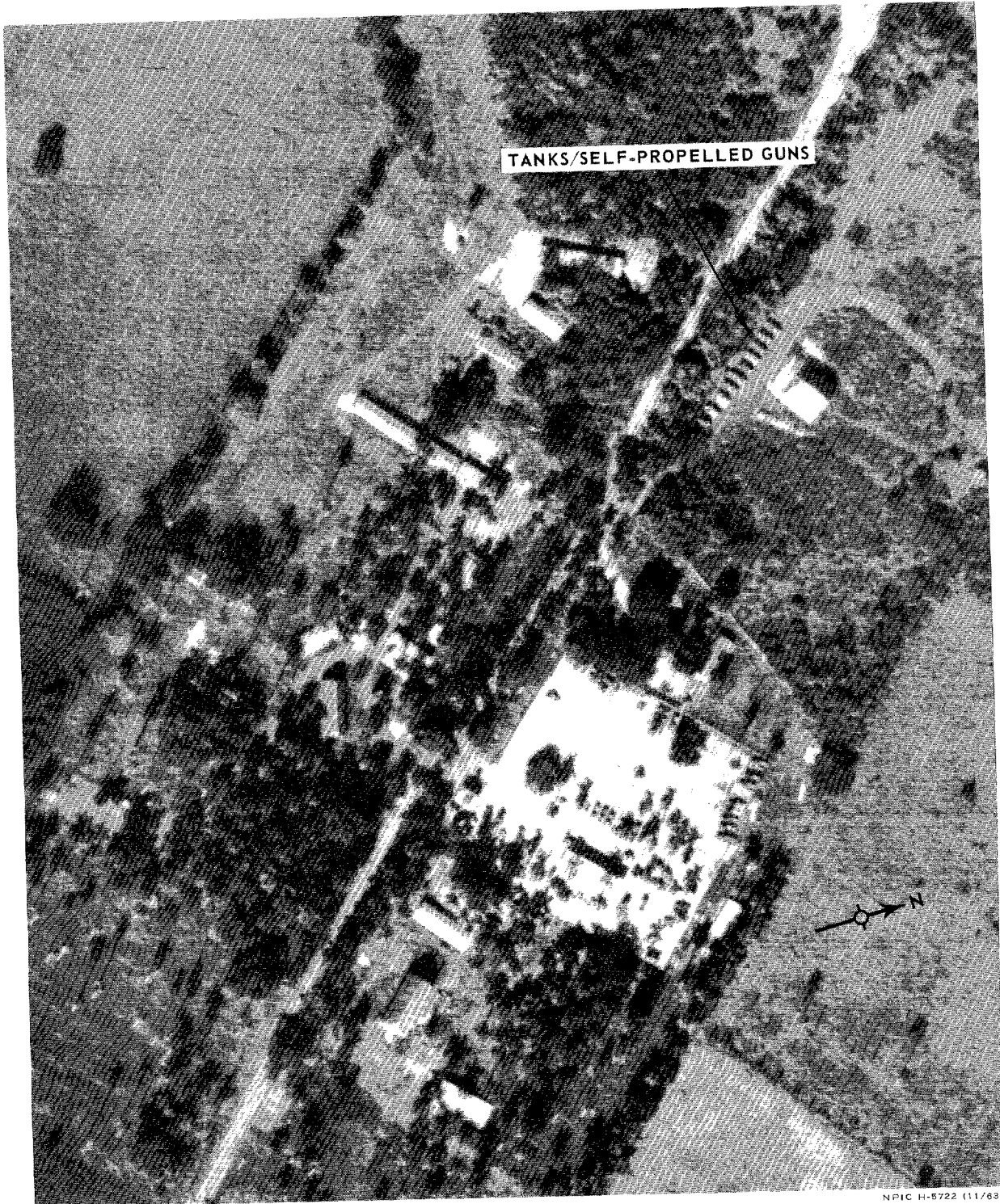
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ATTACHMENT 1



NPIC H-5722 (11/63)

LA FLORA MILITARY STORAGE

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ATTACHMENT 2



ZARAGOZA AREA, MILITARY CAMP

NPIC H-5723 (11/63)

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