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"THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, USCA, SECS. 793 & 794, THE TRANSMISSION OR REVELATION OF WHICH IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW"

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NGS Review Complete

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TOP SECRET ZEBUB

[Redacted]
16 November 1960

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MEMORANDUM FOR: TALENT Control Officer, U. S. Air Force
TALENT Control Officer, U. S. Army
TALENT Control Officer, U. S. Navy
TALENT Control Officer, JCS
TALENT Control Officer, ORR
TALENT Control Officer, OSI
TALENT Control Officer, OCI
TALENT Control Officer, DPD-DD/P

SUBJECT: Preliminary Dissemination of Photographic
Intelligence Report on Mission 3002

1. The attached report is the first readout on Mission 3002 over Cuba. It has not been edited or proof-read but it is deemed desirable to place into the hands of all COMOR participating agencies and/or offices an advanced look at the coverage.

2. It is intended that this report be replaced by a final report which will be disseminated on a regular basis as soon as possible. In the interim this report will serve the needs of the recipient to determine requirements for additional collection, if needed.

3. Your attention is directed to the warning statement which is contained in paragraph 1 of the preface.

[Redacted]

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TALENT Control Officer,
PIC/CIA

Attachment:
As stated

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JOINT PHOTOGRAPHIC INTELLIGENCE
OAR REPORT

PREFACE

WARNING: It should be noted that the following photographic intelligence report on Cuba is classified **TOP SECRET ZEBUB** and is to be handled in the TALENT Control System. This report may NOT be released from TALENT Controls under the provisions of COMOR-D-24 (TCS-8202/60); however, the individual items of information on pages 1 through **57** have been prepared in a semi-sanitized fashion so as to facilitate ready transmittal of significant selected items to field commands, should this become necessary.

This report provides a partial listing of items of intelligence interest in Cuba. Since recent observation was limited to approximately 50 percent of the area, additional surveillance will be necessary to obtain a complete target listing.

As of 27 October 1960, none of the following items was observed in those areas subject to surveillance -- antiaircraft batteries, surface-to-surface missile installations, troop concentrations, USSR aircraft, and USSR tanks.

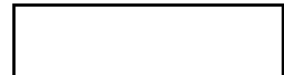
Approximately 190 airfields, varying from sod landing grounds to those with surfaced runways, is contained in the listing. This includes those airfields which have been abandoned or could not be located, but does not contain 24 airfields whose existence could be neither confirmed nor denied. In all, 118 aircraft were observed, of which 95 could be positively identified by type. Aircraft observed included 16 bombers (B-26 and TBM), 6 fighters (Hawker Sea Fury), 26 transports, 11 trainers, and 26 light aircraft (Piper and Cessna 310).

Items are arranged in this listing by WAC, within WAC by subject, and within subject by degree square reading from south to north and from east to west.

An explanation of the column headings used in the listing is contained in the appendix.

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APPENDIX

EXPLANATION OF COLUMN HEADINGS

Column headings used in the listing are as follows (reading from left to right):

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. The city and installation name is followed by a capsule description, where appropriate.

Coordinates -- Coordinates are given to the nearest minute. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Target Numbers -- The Target Numbers column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second column lists the installation number assigned by PIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is a PIC target numbered 0586-1 and a PIC target numbered 0585-1. In each instance, the PIC installation number is 1, but the installations appear on different WACs.

Subject Code (Sbj) -- The last column lists for each installation the subject code to which it has been assigned for recall purposes. The detailed subject code is as follows --

1. MISSILE INSTALLATIONS
 - a. Flight Test and Training
 - b. Downrange Electronics and Impacts
 - c. Airborne Missile Assembly and Loading Facilities
 - d. Operational SAM Sites
 - f. Operational SAM Support Facilities

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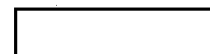


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- g. Operational SSM (under 2,500 nm) Sites
 - h. Operational SSM (under 2,500 nm) Support Facilities
 - j. Operational SSM (over 2,500 nm) Sites
 - k. Operational SSM (over 2,500 nm) Support Facilities
 - l. Operational AMM Sites
 - m. Operational AMM Support Facilities
2. ELECTRONICS
- x. Complex
 - a. Communications (Rhombics, Fishbones, microwave)
 - b. Radio and TV Broadcast (vertical radiators, serpentine)
 - c. Radio Astronomy (observatories)
 - d. EW Radar and GCI (TOKEN, BAR LOCK)
3. AIRFIELDS
4. MILITARY INSTALLATIONS
- x. Post, Camp or Station (base)
 - a. Training Areas
 - b. Fortifications
 - c. Depots, Yards and Docks
5. STORAGE
- x. Complex
 - a. Special Weapons Storage
 - b. BW/CW Storage
 - c. Tanks and Reservoirs
 - d. Warehouses
 - e. Revetted Structures

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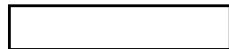


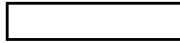
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- f. Earth-covered Structures
- g. Elevators, Bins and Silos
- h. Open Storage
- 6. INDUSTRY
 - a. Extraction
 - b. Extraction, Uranium/Rare Metals
 - j. Processing
 - k. Processing, Uranium/Rare Metals
 - q. Fabrication
- 7. BASIC SERVICES
 - a. Transportation, Road
 - b. Transportation, Railroad
 - c. Transportation, Inland Waterways
 - d. Pipelines
 - e. Electric Power (including transmission lines)
 - f. Dams
- 8. URBAN COMPLEXES
- 9. RESEARCH/DEVELOPMENT
 - a. Missiles (component)
 - b. AE
 - c. BW/CW
 - d. Aircraft
 - e. Electronics
 - f. Astronautics
- 0. MISCELLANEOUS

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City, Installation	Coordinates	Wac	Target Nos.		Sbj
			BE	ORR	



SANTIAGO DE CUBA MICROWAVE SITE SITE NOT LOCATED.	2001N 07550W 0585	76G	2A
PALMA SORIANO MICROWAVE STATION JUST W OF PALMA SORIANO.	2013N 07600W 0585	54D	2A
HOLGUIN MICROWAVE SITE NO MICROWAVE DISHES EVIDENT ON TOWERS IN THIS AREA. HOWEVER, NINE LOCAL STANDARD BROADCASTING TOWERS OBSERVED.	2053N 07617W 0585	34	2A
VICTORIA DE LAS TUNAS, RADIO STATION 1.3 NM SE OF VICTORIA DE LAS TUNAS.	2057N 07656W 0585	81A	2B
VICTORIA DE LAS TUNAS, RADIO STATION 1.8 NM NE OF VICTORIA DE LAS TUNAS.	2059N 07656W 0585	81B	2B
MANATI MICROWAVE STATION	2118N 07656W 0585	45B	2A
IMIAS AFLD 1 NM NNE OF IMIAS. OBSTRUCTION ACROSS RUNWAY. UNSERVICEABLE.	2005N 07437W 0585	35	3
MOA BAY MINING CO AFLD 3,050 X 155 FT NE/SW SOD RUNWAY. ROAD- SERVED FIELD WITH 300-FT OVERRUN ON MARSHY GROUND AT NE END. FACILITIES INCLUDE PROBABLE LANDING LIGHTS AND THREE SMALL BUILDINGS.	2039N 07455W 0585	51A	3
SANTIAGO DE CUBA SEAPLANE STATION	2001N 07550W		76F 3
SANTIAGO DE CUBA AFLD ON NW EDGE OF SANTIAGO DE CUBA. 3,650 X 100 FT ESE/WNW SOD RUNWAY. 2,800 X 100 FT NNW/SSE SOD RUNWAY. AIRFIELD APPEARS TO BE ABANDONED. RUNWAYS ARE OVERGROWN. FIELD IS FLANKED ON TWO SIDES BY RESIDENTIAL DEVELOPMENTS.	2002N 07550W 0585	76E	3

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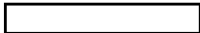
<p>LOS CANOS AFLD 4 NM SE OF GUANTANAMO (CITY). 8,100 X 150 FT SSE/NNW, CONCRETE RUNWAY. 50-FOOT-WIDE TAXIWAYS TO 475 X 75 FT CONCRETE APRON. TWO BLDGS 100 X 25, 25 X 25. FOUR POL TANKS. AIRCRAFT—1 PIPER, 1 STEARMAN T-13.</p>	2004N 07509W		41A 3
<p>GUANTANAMO AREA, TENIENTE MORLOTE AFLD 1 NM NE OF GUANTANAMO CITY. 3,400 X 70 FT NE/SW BLACKTOP RUNWAY. AIRCRAFT—ONE PIPER LIAISON.</p>	2011N 07511W		32A 3
<p>MIRANDA AFLD 1,500 X 100 FT NE/SW SOD RUNWAY. DIMENSIONS ARE FOR MARKED LANDING AREA. SERVICEABLE. RUNWAY MARKED ON SOD LANDING AREA.</p>	2023N 07555W 0585	50A 3	
<p>SAN BENITO LANDING FIELD 3.1 NM NE OF SAN BENITO. E/W GRAVEL RUNWAY. AIRFIELD PROBABLY INACTIVE. RUNWAY ORIGINALLY 3,600 X 125 FT. E END DETERIORATED, LIMITING USABLE LENGTH TO 3,000 FT.</p>	2025N 07531W 0585	91 3	
<p>MAYARI ARRIBA AFLD JUST E OF MAYARI ARRIBA. E/W DIRT RUNWAY.</p>	2025N 07531W 0585	99 3	
<p>LA CAMPANA AIRSTRIP JUST NW OF LA CAMPANA. 1,500 X 45 FT ESE/ WNW SOD RUNWAY.</p>	2026N 07509W 0585	87 3	
<p>CALABAZAS AIRSTRIP 1,000 X 45 FT NNE/SSW SOD RUNWAY. HAS 450- FT OVERRUN AT BOTH ENDS OF RUNWAY. FIELD HAS TWO HANGARS, 45 X 35 FT AND 35 X 30 FT.</p>	2028N 07522W 0585	86 3	
<p>MARCANE AIRSTRIP SE EDGE OF MARCANE. 1,950 X 110 FT NE/SW SOD RUNWAY.</p>	2033N 07556W 0585	48A 3	




MAYARI, NEW AFLD 1 NM W OF MAYARI. 2,800 X 100 FT NE/SW SOD RUNWAY. AIRCRAFT--1 PROBABLE STEARMAN.	2039N 07541W 0585		90A 3
CUETO AFLD EXCAVATIONS AND SCRUB GROWTH ON RUNWAY. AIRFIELD ABANDONED.	2039N 07555W 0585		21 3
CEBOLLA NEW AFLD NE/SW SOD RUNWAY.	2040N 07510W 0585		95 3
CAYO MAMBI AFLD .25 NM N OF CAYO MAMBI. 2,500 X 125 FT E/W SOD RUNWAY. TWO SMALL STRUCTURES AT EAST END OF LANDING STRIP.	2041N 07515W 0585		16A 3
LENGUA DE PAJAROS (NICARO) AIRFIELD ENE/WSW SOD RUNWAY. AIRFIELD EQUIPPED WITH LANDING LIGHTS BUT NO MAINTENANCE OR SERVICING FACILITIES. UNIMPROVED ROAD LEADS FROM FIELD TO TOWN. AIRCRAFT--ONE TWIN- ENGINE BEECHCRAFT-TYPE.	2041N 07532W 0585		40A 3
PRESTON AFLD 1.5 NM S OF PRESTON. 4,000 X 120 FT NE/SW, ASPHALT AND OILED SAND RUNWAY.	2044N 07540W		55A 3
SAETIA AFLD 2,800 X 50 FT NE/SW SOD RUNWAY.	2047N 07534W 0585		93 3
ANTILLA AFLD 1 NM NE OF ANTILLA. AIRFIELD IN POOR STATE OF REPAIR. ENE END OF DIRT RUNWAY APPEARS OVERGROWN WITH SOD.	2050N 07544W 0585		2A 3
ANTILLA SEAPLANE STATION	2050N 07544W		2B 3
BANES AFLD ENE/WSW RUNWAY. PROBABLY ABANDONED.	2057N 07543W 0585		9A 3

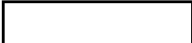
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SANTA ROSA, AFLD WESTERN EDGE OF SANTA ROSA. 1,700 X 50 FT ENE/WSW SOD RUNWAY. AFLD HAS ONE HANGAR.	2010N 07646W 0585	98	3
PALMA SORIANO AREA, CENTRAL PALMA AFLD 1.2 NM NW OF PALMO SORIANO. SOD LANDING AREA, SERVICEABLE, INACTIVE.	2014N 07600W 0585	54C	3
YARA (CENTRAL SOFIA) AIRFIELD 2.1 NM N OF YARA. POSSIBLE SOD LANDING GROUND, DOES NOT APPEAR ACTIVE.	2019N 07657W 0585	97A	3
BAYAMO AREA, NEW AFLD 1.5 NM NE OF BAYAMO. 5,000 X 52 FT E/W CRUSHED-STONE RUNWAY. HAS PROBABLY REPLACED BAYAMO AIRFIELD AS MAIN AIRFIELD SERVING BAYAMO. AIRCRAFT--7 PIPER, 1 STEARMAN PT-13	2023N 07638W 0585	11D	3
BAYAMO AFLD 2 NM NE OF BAYAMO. 3,500 X 50 FT E/W SOD RUNWAY.	2024N 07637W		11 3
BAYAMO AFLD NO 2 4 NM NW OF BAYAMO. 2,200 X 90 FT N/S SOD RUNWAY.	2027N 07642W 0585	11A	3
BAYAMO NORTHEAST AFLD 9 NM NE OF BAYAMO. 2,100 X 80 FT ENE/WSW SOD RUNWAY. INACTIVE, RUNWAY NOT USABLE.	2029N 07631W 0585	11C	3
PASTOR LANDING FIELD 3.5 NM SE OF RIO CAUTO. 2,700 X 100 FT NNE/SSW PROB GRAVEL RUNWAY. SMALL HANGAR AT NORTH END OF AIRFIELD.	2030N 07651W 0585	3	3
PASO LA YAYA AREA, NEW AFLD 3.5 NM ESE OF PASO LA YAYA. 2,500 X 80 FT E/W SOD-DIRT RUNWAY.	2032N 07619W 0585	94B	3

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PASO LA YAYA AREA, U/I AFLD ENE EDGE OF PASO LA YAYA. 2,000 X 60 FT NE/SW SOD-DIRT RUNWAY.	2035N 07622W 0585	94	3
PASO LA YAYA AREA, WEST AFLD JUST W OF PASO LA YAYA. FORMER SOD FIELD NOW UNSERVICEABLE.	2033N 07623W 0585	94A	3
RIO CAUTO, NEW AIRFIELD 2,850 X 100 FT NE/SW SOD RUNWAY.	2033N 07653W 0585	66A	3
SAN GERMAN AFLD 1 NM SSE OF SAN GERMAN. 2,400 X 75 FT NE/SW SOD RUNWAY. 2,400 X 75 FT SE/NW SOD RUNWAY. ONE T-SHAPED HANGAR 45 X 30 FT AT NW END OF SE/NW RUNWAY.	2035N 07608W 0585	70A	3
SAN PEDRO DE CACOCUM AREA, POSSIBLE AFLD U/C APPROX 8 NM S OF SAN PEDRO DE CACOCUM. 2 PROBABLE GRADERS ON 2,000 FT STRIP.	2036N 07618W 0585	72B	3
ROBAINA GONZALEZ AFLD 1.5 NM SSW OF ROBAINA GONZALEZ. 3,000 X 150 FT E/W SOD RUNWAY. DELINEATED AREA FOR LANDING STRIP IS 11,000 X 300 FT. HOWEVER, ONLY 3,000 X 150 FT APPEARS TO BE USED. ONE STRUCTURE AT W END OF STRIP.	2037N 07630W 0585	92	3
GUAMO EMBARCADERO AFLD NO AIRFIELD OBSERVED AT THIS LOCATION.	2037N 07658W 0585	96	3
BAGUANOS AFLD 1,540 X 250 FT WNW/ESE SOD RUNWAY. POSSIBLE LANDING AREA FOR LIGHT AIRCRAFT. THERE IS A BASEBALL FIELD AT ONE END OF THE AREA, BUT LIGHT AIRCRAFT COULD STILL LAND THERE.	2045N 07601W 0585	5	3
PALO DE DIABLO AIRSTRIP 1.5 NM NW OF PALO DE DIABLO. 1,950 X 100 FT E/W GRADED-EARTH RUNWAY.	2045N 07610W 0585	85	3



CUPEY AFLD AIRFIELD RETURNED TO CULTIVATION.	2045N 07634W 0585		22	3
HOLGUIN AFLD 3,300 X 130 FT NE/SW GRAVEL RUNWAY. RUNWAY HAS 1,000 X 70 FT SOD OVERRUN ON NE END. TAXIWAY HAS SOD SURFACE. FIELD HAS ADMINISTRATION BLDG 65 X 30 FT WITH CONTROL STRUCTURE ON ROOF. NAVIGATIONAL AIDS INCLUDE RADIO BEACON AT SW END OF RUNWAY AND AIR-GROUND COMMUNICATIONS NEAR ADMINISTRATION BLDG.	2048N 07616W		34C	3
			25X11A	
HOLGUIN, GRAVE B. PERALTA AFLD NO AIRFIELD OBSERVED AT THIS LOCATION.	2053N 07615W 0585		34D	3
VICTORIA DE LAS TUNAS, LANDING STRIP 1 NM W OF VICTORIA DE LAS TUNAS. 3,000 X 200 FT NE/SW SOD RUNWAY.	2058N 07659W 0585		81C	3
VICTORIA DE LAS TUNAS AFLD 1 NM NE OF VICTORIA DE LAS TUNAS. 3,000 X 190 FT NE/SW SOD RUNWAY.	2059N 07656W 0585		81	3
SANTA LUCIA SOUTH AFLD S SIDE OF SANTA LUCIA. 3,000 X 120 FT ENE/WSW SOD RUNWAY. RUNWAY HAS BEEN LENGTHENED AND ORIENTATION CHANGED SLIGHTLY SINCE AMS SERIES E723, SHEET 5079 III.	2101N 07600W 0585		75	3
SANTA LUCIA CENTRAL AREA, SANTA LUCIA AFLD 1 NM SW OF SANTA LUCIA. AIRFIELD NOT LOCATED.	2101N 07601W 0585		75C	3
SANTA LUCIA NORTH AFLD 2 NM N OF SANTA LUCIA. OVERGROWN WITH VEGETATION.	2105N 07600W 0585		75A	3
DELICIAS AFLD NO AIRFIELD LOCATED AT THESE COORDINATES.	2111N 07630W 0585		23B	3

MANATI CENTRAL AFLD JUST E OF MANATI. 3,500 X 110 FT E/W SOD RUNWAY.	2118N 07655W 0585	45A	3
SAN LUIS MILITARY ACTIVITY NO MILITARY ACTIVITY OBSERVED.	2011N 07551W 0585	71A	4
SIERRA MAESTRA MILITARY ACTIVITY SMALL AND SCATTERED BLDGS THROUGHOUT THE MOUNTAINS. TWO ROADS U/C.	2000N 07645W 0585	77	4
HOLGUIN MILITARY DEFENSES NONE OBSERVED.	2053N 07617W 0585	34B	4B
HOLGUIN RIFLE RANGE	2053N 07617W 0585	34G	4A
MANZANILLO MILITARY DEFENSES NEAR VILLAGE OF SANTA MARIA. NO MILITARY ACTIVITY NOTED.	2104N 07654W 0585	47	4B
SANTIAGO DE CUBA POL STORAGE	2001N 07550W 0585	76I	5C
SANTIAGO DE CUBA POL STORAGE	2002N 07550W 0585	76J	5C
SANTIAGO DE CUBA POL STORAGE	2002N 07550W 0585	76K	5C
GUANTANAMO POL STORAGE	2009N 07512W 0585	32C	5C
SAGUA DE TANAMO, POL STORAGE	2035N 07514W 0585	68	5C
PRESTON POL STORAGE	2045N 07539W 0585	55B	5C
ANTILLA POL STORAGE	2049N 07544W 0585	2C	5C
ANTILLA POL STORAGE (SINCLAIR) 1 NM NE OF ANTILLA.	2049N 07544W 0585	2D	5C
BANES, STORAGE AREA	2058N 07542W 0585	9C	5D

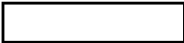
SAN PEDRO DE CACOCUM POL STORAGE 2 POL TANKS.	2044N 07619W 0585	72A 5C
HOLGUIN STORAGE AREA 4 STORAGE BLDGS, FENCED AREA.	2052N 07618W 0585	34H 5D
PUERTO PADRE POL STORAGE 2.5 NM NE OF PUERTO PADRE.	2114N 07633W 0585	61A 5C
PUERTO MANATI POL STORAGE	2121N 07649W 0585	59A 5C
CANETE AREA, POTOSI CHROME MINE MINING AREA, ACTIVE.	2033N 07446W 0585	14A 6A
CAYO-GUAM CHROMITE MINES	2034N 07451W 0585	15 6A
MOA BAY NICKEL MINING	2038N 07456W 0585	51 6A
SANTIAGO DE CUBA OIL REFINERY 3 NM WSW OF SANTIAGO DE CUBA.	2000N 07552W 0585	76H 6J
GUANTANAMO SALINAS (SEA SALT PRODUCER) 7-10 NM SE OF GUANTANAMO	2001N 07511W 0585	32D 6A
QUINTO MANGANESE MINES ORE-PROCESSING FACILITIES HAVE DETERIORATED. RAIL LINE HAS BEEN DISMANTLED AND THE RAILROAD BRIDGES REMOVED.	2007N 07543W 0585	65 6A
SANTA CECILIA SUGAR MILL 3 NM E OF GUANTANAMO CITY. APPEARS TO BE INACTIVE.	2008N 07509W 0585	74 6J
ALGODONAL SUGAR MILL	2008N 07544W 0585	1 6J
ROMELIE SUGAR MILL	2010N 07505W 0585	67 6J
SAN ANTONIO SUGAR MILL	2011N 07503W 0585	69 6J

BAIRE AREA, ERMITA SUGAR MILL 2 NM E OF BELONA.	2011N 07525W 0585	7	6J
LA BELONA AREA, BALTONY SUGAR MILL 2 NM W OF BELONA.	2011N 07530W 0585	39	6J
SAN LUIS AREA, UNION SUGAR MILL 1 NM NE OF SAN LUIS.	2011N 07550W 0585	71	6J
ESPERANZA SUGAR MILL 3 NM NE OF GUANTANAMO.	2012N 07510W 0585	27	6J
DOS CAMINOS AREA, BORJITA SUGAR MILL 1 NM N OF DOS CAMINOS.	2012N 07547W 0585	24	6J
ISABEL SUGAR MILL 1.4 NM NNE OF JAMAICA.	2013N 07508W 0585	36	6J
SOLEDAD SUGAR MILL	2013N 07514W 0585	78	6J
SANTA ANA, AUZA SUGAR MILL	2015N 07553W 0585	4	6J
PALMA SORIANO SUGAR MILL IMMEDIATELY NW OF PALMA SORIANO.	2015N 07553W 0585	54	6J
MIRANDA SUGAR MILL	2022N 07555W 0585	50	6J
MAYRI AREA, WOODFRED MINES STRIP MINING, RAIL SERVED.	2034N 07543W 0585	90	6A
MARCANE, ALTO CEDRO SUGAR MILL	2034N 07557W 0585	48	6J
NICARO NICKEL MINING AREA	2038N 07536W 0585	52A	6A
CAYO MAMBI AREA, TANAMO SUGAR MILL	2040N 07516W 0585	16	6J
MAYARI AREA, CALEDONIA CHROMITE MINE NOT LOCATED.	2041N 07541W 0585	12	6A

NICARO NICKEL PLANT	2042N 07533W 0585	52	6J
FELTON, BETHLEHEM-CUBA IRON MINES	2045N 07535W 0585	29	6A
PRESTON SUGAR MILL APPEARS INACTIVE.	2045N 07539W 0585	55	6J
TACAJO AREA SUGAR MILL .8 NM E OF TACAJO. APPEARS INACTIVE.	2051N 07557W 0585	79	6J
MACABI AREA, BOSTON SUGAR MILL	2054N 07543W 0585	42	6J
YARA AREA, ESTRADA PALMA SUGAR MILL 6.2 NM SSE OF YARA.	2000N 07657W 0585	97B	6J
LOS CANOS SUGAR MILL 6 NM SE OF GUANTANAMO	2003N 07609W 0585	41	6J
ZARZAL AREA, ESTRADA PALMA SUGAR MILL 2 NM SSW OF ZARZAL.	2010N 07657W 0585	83	6J
CHARCO REDONDO MANGANESE MINES	2016N 07625W 0585	18	6A
PUEBLO XAVIER ORIENTE SUGAR MILL APPROX 6 NM NW OF PALMA SORIANO.	2018N 07605W 0585	56	6J
CONTRAMAESTRO AREA, AMERICA SUGAR MILL	2018N 07614W 0585	19	6J
YARA AREA, SOFIA SUGAR MILL 2.5 NM N OF YARA.	2019N 07657W 0585	97	6J
JULIA AREA, MABAY SUGAR MILL	2021N 07647W 0585	38	6J
RIO CAUTO SUGAR MILL	2033N 07655W 0585	66	6J
SAN GERMAN SUGAR MILL	2036N 07608W 0585	70	6J
BAGUANOS SUGAR MILL	2045N 07602W 0585	5A	6J

SAN PEDRO DE CACOCUM SUGAR MILL	2045N 07623W 0585	72	6J
MACEO SUGAR MILL	2045N 07630W 0585	43	6J
SANTA LUCIA SUGAR MILL	2102N 07600W 0585	75B	6J
CHAPARRA SUGAR MILL	2109N 07628W 0585	17	6J
DELICIAS SUGAR MILL	2110N 07634W 0585	23	6J
MANATI SUGAR MILL	2118N 07656W 0585	45	6J
SANTIAGO DE CUBA POWER PLANT	2001N 07550W 0585	76D	7E
CHAPARRA POWER PLANT	2109N 07628W 0585	17A	7
DELICIAS POWER PLANT	2110N 07634W 0585	23A	7E
GIBARA AREA, ROAD CONSTRUCTION 5.5 NM NW OF GIBARA. ROAD RUNNING ALONG COAST BEING EXTENDED NW FROM GIBARA.	2111N 07612W 0585	31A	7A
SAN ANTONIO DEL SUR URBAN COMPLEX THE ONLY MILITARY ACTIVITY OBSERVED IN THE AREA WAS A POSSIBLE FORMATION OF TROOPS ON ROAD LEADING EASTWARD FROM THE VILLAGE.	2003N 07449W 0585	84	8
CANETE BAHIA DE YAMANIGUEY PORT FACILITIES	2035N 07444W 0585	14	8
PUNTA-GORDA PORT FACILITIES	2038N 07451W 0585	88	8
PUERTO CAYO MOA PORT FACILITIES	2040N 07456W 0585	57	8
SANTIAGO DE CUBA PORT FACILITIES NUMEROUS PIERS AND OTHER HANDLING FACILITIES. ONE FREIGHTER, ONE U/I SHIP, AND NUMEROUS SMALL CRAFT.	2001N 07550W 0585	76	8
SANTIAGO DE CUBA URBAN COMPLEX NO MILITARY ACTIVITY APPARENT.	2001N 07553W 0585	76L	8

GUANTANAMO URBAN COMPLEX NO MILITARY UNITS OBSERVED.	2008N 07512W 0585	32B 8
GUANTANAMO URBAN COMPLEX	2009N 07513W 0585	32E 8
CAYO MAMBI PORT FACILITIES ONE WHARF.	2040N 07517W 0585	16B 8
BAHIA CANANOVA PORT FACILITIES	2041N 07506W 0585	6 8
PUNTA GORDA PORT FACILITIES	2041N 07520W 0585	80 8
LENGUA DE PAJAROS PORT FACILITIES	2043N 07533W 0585	40 8
PUNTA CARENERITO PORT FACILITIES	2044N 07528W 0585	64 8
PRESTON PORT FACILITIES	2046N 07539W 0585	55C 8
ANTILLA PORT FACILITIES 1 MERCHANT SHIP TIED UP ALONGSIDE QUAY.	2049N 07544W 0585	2 8
BANES PORT FACILITIES 3 NM S OF BANES.	2055N 07542W 0585	9 8
PALMA SORIANO URBAN COMPLEX LOWBOY-TYPE TRUCK AND OTHER VEHICLES ARE LOCATED IN WHAT APPEARS TO BE A SMALL FABRICATION PLANT.	2013N 07600W 0585	54A 8
BAYAMO URBAN COMPLEX NO MILITARY ACTIVITY NOTED.	2023N 07639W 0585	11B 8
BAYAMO URBAN COMPLEX	2023N 07639W 0585	11E 8
HOLGUIN URBAN COMPLEX POSSIBLE MILITARY ACTIVITY AT CIVIC INSTITUTE AND ADJOINING AREA, W OF HOLGUIN.	2053N 07617W 0585	34F 8
PUERTO VITA PORT FACILITIES 3 1/2 NM NE OF SANTA LUCIA. ONE POSSIBLE FREIGHTER AT PIER.	2105N 07557W 0585	63 8



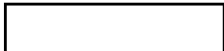
PUERTO SAMA PORT FACILITIES	2107N 07546W	0585	62	8
GIBARA PORT FACILITIES	2106N 07607W	0585	31	8
PUERTO PADRE URBAN COMPLEX NO CHANGE SINCE AMS SERIES E723, SHEET 4879I, DATED 1957.	2112N 07636W	0585	61B	8
PUERTO PADRE PORT FACILITIES THIS COMPLEX HAS NOT CHANGED SINCE 1957, AMS SERIES E723, SHEET 4879 I.	2114N 07633W	0585	61	8
PUERTO MANATI PORT FACILITIES 7 NM NE OF MANATI. ONE CARGO SHIP.	2121N 07649W	0585	59	8
CONTRAMAESTRE, BARRACKS AND STORAGE AREA 17 SINGLE-STORY BLDGS, 1 U/C. NO APPARENT MILITARY SIGNIFICANCE.	2021N 07614W	0585	19A	0
HOLGUIN CIVIC INSTITUTE	2053N 07619W	0585	34E	0

MARCHENA AREA, PROBABLE RADIO STATION ANTENNA WITH SMALL BLDG ATOP HILL.	2117N 07743W 0586	114A	2B
CAMAGUEY RADIO STATION 1.4 NM SE OF CAMAGUEY RR YARDS. STANDARD BROADCAST STATION CONSISTING OF 3 BLDGS AND ONE SELF-SUPPORTING LATTICE TOWER.	2122N 07753W 0586	27H	2B
CAMAGUEY RADIO STATION 4 NM SE OF CAMAGUEY. STANDARD BROADCAST STATION ON TOP OF HILL CONSISTING OF A GUYED LATTICE TOWER AND A CONTROL BLDG.	2123N 07755W 0586	27A	2B
CAMAGUEY, PROBABLE RADIO STATION .8 NM E OF CAMAGUEY POL STORAGE. PROB MEDIUM-FREQUENCY STANDARD BROADCAST LOCAL RADIO STATION.	2123N 07757W 0586	27G	2B
FLORIDA MICROWAVE STATION SW EDGE OF FLORIDA. MICROWAVE TOWER AND BUILDING.	2131N 07814W 0586	74B	2A
CIESO COROJO MICROWAVE STATION SE EDGE OF TOWN. STATION HAS 2 TOWERS AND 3 BLDGS. ONE TOWER IS PROBABLY FOR MEDIUM- FREQUENCY RADIO BROADCASTING. THE OTHER SUPPORTS 4 MICROWAVE DISHES.	2141N 07827W 0586	258A	2A
JATIBONICO RADIO STATION NE EDGE OF TOWN.	2157N 07910W 0586	94C	2B
SANTA CLARA RADIO STATION 4 NM S OF SANTA CLARA. MEDIUM-FREQUENCY BROADCASTING STATION.	2220N 07958W 0586	177G	2
SANTA CLARA MICROWAVE SITE NOT LOCATED. HOWEVER, NINE LOCAL BROADCAST STATIONS AND ONE TELEVISION STATION ARE LOCATED IN AREA.	2222N 07958W 0586	177F	2A



COLON AREA, RADIO STATION 1 NM SE OF COLON. STATION CONSISTS OF A SINGLE GUYED RADIATOR (FOR STANDARD BROADCAST), A SMALL CONTROL BUILDING, AND TWO LARGER BUILDINGS.	2242N 08053W 0586	54A 2
COLISEO, MICROWAVE TOWER ON HILL JUST NW OF COLISEO.	2255N 08119W 0586	223 2A
MADRUGA, MICROWAVE RELAY STATION 1 NM NE OF MADRUGA. INSTALLATION CONSISTS OF A TOWER AND TWO BUILDINGS.	2255N 08150W 0586	109B 2
HAVANA AREA, RADIO TRANSMITTING STATION 5.5 NM WSW OF SANTIAGO DE LAS VEGAS.	2256N 08229W 0586	86F 2B
BAUTA AREA, COMMUNICATION STATION U/C 2 NM S OF BAUTA. STATION CONSISTS OF A COMPLETED CONTROL BUILDING, A POSSIBLE COOLING POND U/C, AND ONE RHOMBIC ANTENNA. NO DISSIPATION LINE WAS OBSERVED IN ASSOCIATION WITH THE RHOMBIC ANTENNA. TWO TOWERS, PROBABLY SELF-SUPPORTING, ARE LOCATED ON THE OPPOSITE SIDE OF THE CONTROL BLDG FROM THE RHOMBIC ANTENNA. THEIR FUNCTION CANNOT BE DETERMINED AT THIS TIME.	2257N 08232W 0586	22B 2A
MATANZAS, PROBABLE MICROWAVE TOWER JUST NW OF MATANZAS.	2301N 08132W 0586	120K 2A
MATANZAS MICROWAVE SITE 1 NM N OF MATANZAS. SITE HAS 2 TOWERS AND 1 BUILDING.	2304N 08134W 0586	120A 2A
HERSHEY CENTRAL, COMMUNICATIONS SITE 1.5 NM S OF HERSHEY SUGAR MILL. HAS TWO TOWERS. IS PROBABLY THE SANTA CRUZ DEL NORTE MICROWAVE STATION.	2306N 08157W 0586	87B 2A

CANASI, MICROWAVE STATION	2307N 08147W 0586	224A 2A
HAVANA AREA, RADIO STATION 2 NM NNW OF WAJAY. STATION HAS A CENTRAL CONTROL BUILDING AND TWO GUYED LATTICE ANTENNAS. IT IS A PROBABLE MEDIUM-FREQUENCY STANDARD BROADCAST STATION.	2302N 08226W 0586	86A4 2B
HAVANA AREA, RADIO STATION 2.5 NM NE OF PUNTA BRAVO IN SW HAVANA. STATION CONSISTS OF A PAIR OF TALL SELF-SUPPORTING LATTICE MASTS WHICH PROBABLY SUPPORT A DIPOLE, 2 SHORTER SELF-SUPPORTING LATTICE TOWERS, AND 3 BUILDINGS.	2303N 08228W 0586	86A6 2B
HAVANA AREA, RADIO STATION 3 NM E OF LIBERTAD. THIS STATION CONSISTS OF A LARGE BUILDING (WHICH MAY HOUSE STUDIOS), A CONTROL BUILDING, AND A SUPPORT BUILDING. THE ANTENNA IS A TALL SELF-SUPPORTING LATTICE TOWER.	2304N 08223W 0586	86A8 2B
HAVANA AREA, RADIO STATION 3 NM NE OF PUNTA BRAVA IN SW HAVANA. STANDARD BROADCAST STATION CONSISTING OF A CONTROL BUILDING AND TWO GUYED LATTICE MASTS.	2304N 08229W 0586	86A7 2B
HAVANA, MICROWAVE STATION NATIONAL OBSERVATORY MICROWAVE STATION.	2308N 08210W 0586	86Y 2A
RADIO STATION, LA CABANA, HAVANA .5 NM E OF LA CABANA. STANDARD BROADCAST RADIO STATION WITH TWO GUYED LATTICE TOWERS, TWO SHORT SELF-SUPPORTING TOWERS, AND A CONTROL BUILDING.	2309N 08220W 0586	86A9 2B
HAVANA, RADIO STATION INSTALLATION HAS TWO VERTICAL RADIATORS AND AN ASSOCIATED BUILDING.	2309N 08220W 0586	86Z 2B

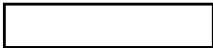


HAVANA, CIUDAD MILITAR MICROWAVE SITE AREA APPEARS TO HAVE A COMPLEX OF BUILDINGS WITH A SELF-SUPPORTING TOWER ATOP THE MAIN BUILDING.	2309N 08222W 0586	86G	2A
HAVANA, ARMED FORCES MICROWAVE SYSTEM INSTALLATION CONSISTS OF A TALL SELF- SUPPORTING LATTICE TOWER SURROUNDED BY SEVERAL LARGE MULTISTORY BUILDINGS.	2309N 08222W 0586	86H	2A
NIQUERO AFLD 1 NM S OF NIQUERO. 3,100 X 150 FT SSE/NNW SOD RUNWAY.	2002N 07735W 0586	132	3
CAMPACHUELA AFLD 1.5 NM SW OF CAMPECHUELA. 3,200 X 250 FT ENE/WSW SOD RUNWAY.	2013N 07718W 0586	29	3
MANZANILLO AFLD JUST SW OF MANZANILLO. 3,000 X 200 FT SSE/NNW SOD RUNWAY. AIRFIELD HAS FOUR BLDGS. AIRCRAFT--FOUR POSSIBLE.	2019N 07708W	113	3
MANZANILLO SEAPLANE STATION JUST W OF MANZANILLO, IN CAIMAUERA BAY.	2021N 07707W	113A	3
SAN FRANCISCO DE LAS CABEZADAS, NEW AFLD 2,750 X 100 FT E/W SOD RUNWAY.	2036N 07704W 0586	256	3
GUANARES LANDING FIELD 4,300 X 50 FT NE/SW SOD RUNWAY. RUNWAY APPEARS TO BE DETERIORATING BUT IS PROBABLY STILL USABLE FOR LIAISON-TYPE AIRCRAFT.	2042N 07710W 0586	252	3
CAYO JICOTEA LANDING FIELD 2,800 X 50 FT NE/SW DIRT RUNWAY. RUNWAY DETERIORATING, APPEARS RUTTED.	2045N 07717W 0586	36	3
MACARENO LANDING FIELD 3,200 X 300 FT NE/SW SOD RUNWAY. 2,800 X 150 FT NNE/SSW SOD RUNWAY.	2046N 07752W 0586	108A	3

25X1A



FRANCISCO AFLD 1.6 NM SSW OF FRANCISCO. 5,800 X 350 FT NE/SW SOD RUNWAY.	2048N 07736W 0586	76A	3
LA MATILDA AFLD 6 NM W OF LA CARRETERA. 3,000 X 120 FT NE/ SW SOD RUNWAY. 2,200 X 120 FT NW/SE SOD RUNWAY. HANGAR AT S END OF NW/SE RUNWAY.	2051N 07741W 0586	100	3
SAO COROJO, NEW AFLD 1.5 NM S OF SAO COROJO. 1,800 X 110 FT NW/SE SOD RUNWAY.	2052N 07715W 0586	257	3
JOBABO LANDING STRIP 1,950 X 100 FT SSE/NNW SOD RUNWAY.	2054N 07717W 0586	95A	3
CENTRAL JOBABO AFLD 1 NM W OF JOBABO. 3,000 X 250 FT N/S SOD RUNWAY.	2054N 07719W 0586	42	3
SANTA LUCIA LANDING FIELD 2,300 X 45 FT NE/SW SOD RUNWAY.	2059N 07726W 0586	181A	3
SANTA MARTA AFLD 1 NM ENE OF SANTA MARTA. 2,400 X 150 FT ENE/WSW SOD RUNWAY. ONE T-SHAPED HANGAR.	2049N 07800W 0586	184A	3
GUAIMARO LANDING FIELD JUST N OF GUIAIMARO. 1,500 X 70 FT NE/SW SOD RUNWAY. FIELD IS SERVICEABLE.	2103N 07721W 0586	81	3
GALBIS LANDING FIELD 2 NM NW OF GALBIS. 2,500 X 50 FT NW/SE SOD RUNWAY.	2108N 07719W 0586	78	3
MARTI AFLD NO AIRFIELD CAN BE LOCATED IN THIS VICINITY.	2108N 07728W 0586	118	3

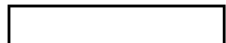


TASAJERAS AREA, LANDING FIELD 9 NM SW OF TASAJERAS. 2,400 X 230 FT E/W SOD RUNWAY. FIELD CRISSCROSSED BY WATER- FILLED DITCHES AND ONE GULLY. HAS ONE SMALL HANGAR.	2113N 07711W 0586		1	3
EL ORIENTE LANDING FIELD 6.5 NM N OF CASCORRO. 2,300 X 120 FT E/W SOD RUNWAY. FIELD STILL SERVICEABLE EXCEPT THAT LOGS HAVE BEEN PLACED ACROSS RUNWAY.	2119N 07728W 0586		67	3
VIGIL LANDING FIELD 2,000 X 225 FT NE/SW SOD RUNWAY.	2122N 07725W 0586		206	3
REDENCION LANDING FIELD AREA IS OVERGROWN WITH BRUSH.	2124N 07733W 0586		155	3
SAN MIGUEL LANDING FIELD SCRUB GROWING ON LANDING STRIP.	2125N 07720W 0586		173	3
CAMAGUEY INTERNATIONAL AFLD 3 NM NE OF CAMAGUEY. 8,000 X 200 FT ENE/WSW ASPHALT RUNWAY. 5,000 X 200 FT WNW/ESE SOD RUNWAY. AIRCRAFT--1 DC-3, 4 PROBABLE PIPER. RADIO STATION AT AIRFIELD.	2125N 07751W		27	3
NUEVITAS, U/I AFLD 14 NM E OF NUEVITAS. 4,000 BY APPROX 150 FT NE/SW CRUSHED-STONE RUNWAY.	2131N 07701W 0586		134E	3
NUEVITAS SEAPLANE STATION SE EDGE OF NUEVITAS.	2132N 07715W		134D	3
NUEVITAS LANDING FIELD 2 NM WSW OF NUEVITAS. 2,000 X 100 FT ENE/ WSW SOD RUNWAY. FIELD NOT ACTIVE. LANDING STRIP PARTLY OVERGROWN WITH BRUSH. FIELD HAS BUILDING 165 X 55 FT.	2132N 07717W 0586		134C	3



SENADO AFLD 3,500 X 90 FT NE/SW SOD RUNWAY. 2,100 X 90 FT E/W SOD RUNWAY.	2133N 07735W 0586	189	3
LUGARENO LANDING FIELD 1 NM N OF LUGARENO. NOT LOCATED.	2134N 07728W 0586	107A	3
CAYO GUAJABA LANDING FIELD ON NE COAST OF CAYO GUAJABA. 2,200 X 200 FT E/W SOD RUNWAY.	2155N 07733W 0586	35	3
SAN JERONIMO LANDING FIELD 7 NM W OF SAN JERONIMO. N/E SOD RUNWAY.	2128N 07826W 0586	171	3
CENTRAL AGRAMONTE AFLD 2 NM S OF FLORIDA. 3,300 X 100 FT ENE/WSW SOD RUNWAY. AIRCRAFT--1 PIPER.	2130N 07812W 0586	39	3
SAN AGUSTIN AREA, LANDING FIELD 4 NM SSW OF SAN AGUSTIN. 3,000 X 300 FT E/W SOD RUNWAY. INACTIVE BUT SERVICEABLE.	2136N 07835W 0586	249A	3
SAN AGUSTIN AREA, LANDING FIELD 3 NM SW OF SAN AGUSTIN. 3,200 X 200 FT NW/SE SOD RUNWAY. INACTIVE BUT SERVICEABLE.	2137N 07836W 0586	249	3
BARAGUA AFLD 6 NM WSW OF GASPAR. 3,300 X 180 FT N/S SOD RUNWAY. 3,000 X 60 FT E/W SOD RUNWAY. HANGAR WITH APRON. THE E/W RUNWAY IS APPARENTLY THE ONLY ONE IN USE.	2141N 07838W 0586	19	3
SAN JUAN NEPOMUCENO LANDING FIELD NO LANDING FIELD AT THIS LOCATION.	2142N 07817W 0586	229	3
SILVEIRA AREA, STEWART LANDING FIELD 1 NM SE OF SILVEIRA. ENE/WSW SOD RUNWAY.	2144N 07847W 0586	193A	3
CIEGO COROJO, POSS NEW AFLD 4,250 X 100 FT WNW/ESE CLEARED AREA, SOD SURFACE.	2145N 07825W 0586	258	3

FRAXEDAS AFLD 4 NM SSE OF VICENTE. 1,700 X 70 FT NW/SE SOD RUNWAY. 1,700 X 70 FT E/W SOD RUNWAY. INACTIVE BUT PROBABLY SERVICEABLE.	2145N 07840W 0586	77	3
PALMARITO, NEW AFLD 2,100 X 60 FT NW/SE SOD RUNWAY. AIRCRAFT--1 PIPER LIAISON.	2146N 07826W 0586	259	3
CIEGO DE AVILA AFLD NO 2 1 NM E OF CIEGO DE AVILA. 3,000 X APPROX 170 FT ENE/WSW SOD RUNWAY. AIRFIELD PROBABLY UNDERGOING EXPANSION. LARGE EARTH- MOVING OPERATION IN PROGRESS ALONG S SIDE OF FIELD. PRESENT FACILITIES INCLUDE 2 RECTANGULAR HANGARS AND 8 SMALL T-SHAPED HANGARS. AIRCRAFT--10 PIPER CUBS, 1 POSSIBLE PIPER FUSELAGE.	2150N 07844W 0586	50A	3
CIEGO DE AVILA AFLD 1 NM NNW OF CIEGO DE AVILA. 3,100 X 350 FT NE/SW SOD RUNWAY.	2152N 07846W 0586	50	3
GUAYACANES AFLD 3 NM WSW OF GUAYACANES. 2,500 X 200 FT ENE/WSW SOD RUNWAY. ONE SMALL HANGAR.	2152N 07859W 0586	85A	3
VIOLETA, BOYDEN AFLD NE/SW DIRT RUNWAY.	2157N 07825W 0586	207	3
PASO VIEVO LANDING FIELD 2 NM SE OF PASO VIEVO. 2,500 X 150 FT SSE/NNW SOD RUNWAY.	2138N 07908W 0586	137	3
CENTRAL TRINIDAD LANDING FIELD 8 NM ENE OF TRINIDAD. 2,900 X 125 FT NE/SW SOD RUNWAY.	2150N 07950W 0586	196	3
JATIBONICO, SOD LANDING STRIP 4 NM E OF JATIBONICO. 2,000 X 150 FT N/S SOD RUNWAY.	2156N 07905W 0586	94D	3



JATIBONICO AFLD SOD LANDING STRIP.	2156N 07910W 0586	94B	3
SANCTI SPIRITUS AFLD 2 NM N OF SANCTI SPIRITUS. 3,650 X 200 FT NNE/SSW SOD RUNWAY. TAXIWAY TO SMALL SUPPORT AREA ON NW SIDE OF RUNWAY.	2158N 07927W 0586	175A	3
ZASA DEL MEDIO AFLD 1,200 X 70 FT NNE/SSW SOD RUNWAY.	2159N 07922W 0586	245	3
SANTA FE AFLD ISLE OF PINES. ABANDONED SOD LANDING AREA.	2138N 08250W 0586	179 25X1	3
LOS INDIOS AREA, SIGUANEA AFLD ISLE OF PINES. 6 NM SE OF LOS INDIOS. 6,400 X 90 FT NE/SW CRUSHED ROCK RUNWAY. 1,100 FT EXTENSION ON NE END OF RUNWAY APPEARS TO BE DETERIORATING	2138N 08257W	190D	3
SANTE FE, LOMA DAGUILLA AIRFIELD ISLE OF PINES. SOD RUNWAY CUT BY DITCHES.	2141N 08242W 0586	102	3
SANTA FE AIRFIELD ISLE OF PINES. SOD LANDING AREA 2,300 X 1,250 FT. RUNWAY NOT DELINEATED AS SHOWN ON AMS SERIES E723, SHEET 3681 III.	2144N 08245W 0586	180	3
SANTA FE PUNTA DE PIEDRAS SEGUNDO AFLD ISLE OF PINES. RUNWAY IS OVERGROWN, AFLD ABANDONED.	2145N 08238W 0586	143 25X1	3
NUEVA GERONA COLONEL MARTIN MARRERRO AFLD ISLE OF PINES. 6,000 X 150 FT NE/SW SOD RUNWAY. 3,000 X 150 FT N/S SOD RUNWAY.	2150N 08247W	133	3
NUEVA GERONA PRESIDIO MODELO LANDING FIELD ISLE OF PINES. SOD LANDING GROUND IMMEDIATELY E OF PRISON.	2153N 08246W 0586	133A	3



PINA AREA, LANDING FIELD IMMEDIATELY NE OF PINA. 2,900 X 150 FT NE/ SW SOD RUNWAY.	2201N 07841W 0586	145	3
CUNAGUA AFLD JUST NW OF CUNAGUA.	2205N 07821W 0586	60	3
MORON LANDING FIELD 1.6 NM S OF MORON. 1,900 X 150 FT NE/SW SOD RUNWAY. FORMER EXTENSION OF NE END OF LANDING STRIP NOW OVERGROWN BY VEGETATION.	2205N 07838W 0586	129	3
FALLA (CENTRAL ADELAIDA) AFLD 1.4 NM WNW OF FALLA. 3,200 X 100 FT ENE/WSW SOD RUNWAY. DITCH CROSSES RUNWAY 600 FT FROM SW END. RUNWAY APPEARS TO BE DETERIORATING.	2211N 07848W	72A	3
LAGUNA DE LECHE AIRFIELD 4 NM NE OF LAGUNA DE LECHE. 2,600 X 100 FT NE/SW SOD RUNWAY. SW END OF RUNWAY IN POOR STATE OF REPAIR.	2217N 07833W 0586	254	3
PUNTA ALEGRE AFLD 1 NM SE OF PUNTA ALEGRE. 2,790 X 200 FT NW/SE SOD RUNWAY. 3,000 X 100 FT NE/SW SOD RUNWAY.	2222N 07846W 0586	151A	3
FOMENTO AFLD 2,400 X 100 FT E/W SOD RUNWAY.	2206N 07943W 0586	75C	3
PLACETAS AREA, FINCA PLACETAS AFLD JUST SW OF PLACETAS. NOT LOCATED.	2218N 07940W 0586	228B	3
NELA AFLD 3,300 X 300 FT N/S SOD RUNWAY. ONE SHED- ROOF HANGAR 65 X 35 FT.	2219N 07904W 0586	131A	3
SANTA CLARA AFLD 3,600 X 150 FT ESE/WWN BLACKTOP RUNWAY. ONE NEW HANGAR AT WEST END OF RUNWAY. AIR- CRAFT--5 LIAISON.	2225N 07959W	177E	3

25X1

25X1



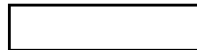
SANTA CLARA, NEW AFLD 9,600 X 270 E/W RUNWAY. RUNWAY MEASUREMENT IS FOR CLEARED AREA AND PROBABLY INCLUDES OVERRUNS, HANGAR AND NEW RUNWAY UNDER CONSTRUCTION. AIRCRAFT—ONE HAWKER SEA FURY.	2229N 07955W 0586		1770	3
			25X1	
CAIBAREN AFLD 1 NM S OF CAIBAREN. 2,950 X 100 FT NE/SW HARD-SURFACE RUNWAY.	2230N 07920W		26	3
MATA AIRSTRIP SOD SURFACE. OVERGROWN WITH BRUSH.	2236N 07957W 0586		1198	3
			25X1	
CAIBARIEN CAYO FRANCES SEAPLANE STATION	2238N 07913W		26B	3
CIENFUEGOS SEAPLANE STATION	2208N 08027W		51B	3
CIENFUEGOS JAIME GONZALES AFLD 4,800 X 250 FT N/S RUNWAY. 3,300 X 250 FT NW/SE RUNWAY. RUNWAYS APPEAR TO BE UNDERGOING RENOVATION, WITH SOME EXTENDING AND WIDENING PROBABLE. SURFACE TYPE NOT DETERMINABLE.	2209N 08025W		51C	3
CONSTANCIA AFLD 3.5 NM E OF CONSTANCIA. 2,900 X 250 FT NE/SW SOD RUNWAY.	2214N 08031W 0586		56	3
ANDREITA AFLD 1 NM S OF CRUCES. 2,260 X 90 FT E/W DIRT RUNWAY.	2220N 08016W 0586		9	3
CENTRAL SAN AGUSTIN AFLD 2 NM NW OF CRUCES. SOD STRIP, PROBABLY ABANDONED.	2221N 08018W 0586		46	3
			25X1	
AGUADA DE PASAJEROS AFLD 3,300 X 3,300 FT SOD LANDING AREA.	2223N 08051W		4	3

AMORILLAS AFLD 3.5 NM W OF AGUADA DE PASAJEROS. 2,000 X 100 FT NNE/SSW SOD RUNWAY.	2223N 08055W 0586	6	3
AGUADA DE PASAJEROS NORTHEAST AFLD 5.5 NM NE OF AGUADA DE PASAJEROS. 1,275 X 45 FT NE/SW DIRT RUNWAY.	2227N 08047W 0586	4A	3
MANACAS AFLD JUST S OF MANACAS. 2,400 X 50 FT N/S SOD RUNWAY. FIELD HAS BEEN CLEARED TO WIDTH OF APPROX 150 FT, BUT ONLY CENTRAL 50 FT WIDTH IS BEING USED.	2235N 08020W 0586	110	3
MANGUITO AREA, U/I LANDING STRIP 5 NM E OF MANGUITO. AIRSTRIP OVERGROWN.	2235N 08049W 0586	230	3
CENTRAL ARAUJO AFLD NOT LOCATED AT REPORTED COORDINATES.	2236N 08055W 0586	40	3
MANACAS AREA, SOD LANDING STRIP 2 NM NW OF MANACAS. DITCH ACROSS RUNWAY. RUNWAY PROBABLY NOT COMPLETED.	2238N 08021W 0586	110A	3
CENTRAL MERCEDES AFLD 1 NM NW OF MERCEDES. NOT LOCATED AT REPORTED COORDINATES.	2238N 08055W 0586	44	3
CENTRAL ULACIA AFLD 2,100 X 165 FT NE/SW SOD RUNWAY. RUNWAY ORIENTATION IS DIFFERENT FROM THAT ON AMS SERIES E723, SHEET 4184 II.	2240N 08012W 0586	200A	3
COLON AFLD 3,800 X 250 FT NE/SW SOD RUNWAY. RUNWAY DIVIDED ABOUT MIDWAY INTO TWO SEPARATE PARALLEL RUNWAYS. AIRCRAFT—ONE PIPER PA-18.	2242N 08055W	54	3

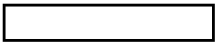
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FELIPE AREA, POSS NEW LANDING GROUND 1 NM E OF FELIPE. 1,800 X 1,150 FT SOD RUNWAY.	2245N 08031W 0586	226	3
SAGUA LA GRANDE AFLD JUST E OF SAGUA LA GRANDE.	2248N 08003W 0586	159	3
ANDRES AIRSTRIP 3.7 NM NW OF FELIPE. 2,600 X 90 FT NE/SW SOD RUNWAY.	2249N 08034W 0586	239	3
SAN JOSE DE LOS RAMOS LANDING FIELD 3 NM NE OF SAN JOSE DE LOS RAMOS. 1,600 X 70 FT WNW/ESE SOD RUNWAY.	2250N 08045W 0586	238A	3
MARTI CENTRAL GUIPUZCOA AFLD W OUTSKIRTS OF MARTI. 3,280 X 150 FT E/W SOD RUNWAY. 3,280 X 100 FT ENE/WWN SOD RUNWAY.	2257N 08056W	221	3
JAGUEY GRANDE SW AFLD IMMEDIATELY W OF TANGUE. 3,800 X 100 FT ENE/WSW PROBABLE GRAVEL RUNWAY.	2230N 08109W 0586	90B	3
JAGUEY GRANDE AFLD AIRFIELD IS OVERGROWN WITH BUSHES.	2231N 08107W 0586	90A	3
SANTA RITA LANDING FIELD 5 NM ESE OF SANTA RITA DE BARO. 2,000 X 150 FT E/W SOD RUNWAY.	2240N 08101W 0586	185	3
PEDRO BETANCOURT, PROBABLE LANDING STRIP 3 NM SSE OF PEDRO BETANCOURT. 1,900 X 45 FT E/W PROBABLE GRAVEL RUNWAY.	2241N 08116W 0586	132B	3
PEDRO BETANCOURT, LANDING FIELD THIS LANDING FIELD NO LONGER EXISTS. THE AREA HAS BEEN BUILT UP.	2244N 08118W 0586	139	3



GOMEZ MENA AFLD 2 NM S OF SAN NICHOLAS DE BARI. 2,600 X 100 FT NE/SW DIRT & SOD RUNWAY. HAS 900 FT OVERRUN. AIRCRAFT—ONE PIPER.	2245N 08155W 0586		80	3
			25X1	
PERICO (CENTRAL ESPANA) AFLD AIRFIELD OVERGROWN WITH GRASS.	2248N 08101W		141	3
VEGAS AFLD NO AIRFIELD IN AREA.	2248N 08148W 0586		202	3
			25X1	
SAN ANTONIO DE LOS BANOS AFLD 7,270 X 150 FT NE/SW CONCRETE RUNWAY, 6,950 X 150 FT N/S CONCRETE RUNWAY, 6,950 X 150 FT NW/SE CONCRETE RUNWAY. AIRCRAFT—12 DOUGLAS B-26, 4 GRUMMAN TBM-3S, 5 PROB HAWKER SEA FURY, 1 BEECH C-45, 1 LOCKHEED LODESTAR, 1 PIPER, 3 LOCKHEED T-33, 6 NORTH AMERICAN T-6, 2 PROB T-33, 9 U/I SINGLE ENGINE.	2252N 08231W		164	3
SAN ANTONIO DE LOS BANOS AFLD NORTH 3.5 NM NW OF SAN ANTONIO DE LOS BANOS. 3,900 X 100 FT NE/SW SOD RUNWAY.	2256N 08233W 0586		164A	3
MANAGUA AFLD 3,100 X 150 FT E/W GRAVEL RUNWAY. 1,700 FT SOD OVERRUN TO E.	2258N 08217W 0586		111B	3
MENENDEZ AFLD AIRFIELD NOT OBSERVED, PROBABLY RETURNED TO AGRICULTURE.	2304N 08048W 0586		124	3
MATANZAS (PEPE BARRIENTOS) AFLD 2.5 NM ESE OF MATANZAS. NE/SW SOD RUNWAY. NW/SE DIRT RUNWAY. BOTH RUNWAYS IN POOR STATE OF REPAIR.	2301N 08132W 0586		120B	3
			25X1	
VARADERO, CORONEL PASCUAL AFLD 1.7 NM SW OF VARADERO. 7,000 X 150 FT ENE/ WSW BLACKTOP RUNWAY. VEGETATION ON PARKING APRON.	2307N 08117W		201	3

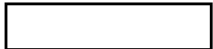


CARDENAS BAY AREA, AFLD .5 NM S OF PUNTA DE MOLAS. 1,300 X 70 FT ENE/WSW PROBABLY CORAL RUNWAY.	2311N 08107W 0586		310	3
			25X1	
CARDENAS BAY SEAPLANE STATION 7 NM NE OF VARADERO.	2311N 08108W		31	3
HAVANA, JOSE MARTI INTERNATIONAL AFLD 4 NM S OF HAVANA. 7,060 X 150 FT NE/SW CONCRETE & BLACKTOP RUNWAY. AIRCRAFT—2 BRISTOL BRITANNIA, 3 LOCKHEED 1049 SUPER CONSTELLATION, 3 VICKERS VISCOUNT, 8 CURTISS C-46, 5 DOUGLAS C-47, 1 DOUGLAS C-54, 1 POSSIBLE C-46 FUSELAGE, 1 PROBABLE CESSNA 310, 1 PIPER, 2 POSSIBLE PIPER.	2300N 08224W		86I	3
			25X1	
MARIEL NAVAL AIR STATION 6,000 X 150 FT NE/SW CONCRETE RUNWAY.	2300N 08246W		117E	3
MARIEL, PARLA CUBAN NAVAL AIR BASE	2300N 08246W		117F	3
DOMINGO ROSILLO SEAPLANE STATION AT MARIEL. CANNOT BE POSITIVELY IDENTIFIED.	2301N 08245W 0586		117A	3
BARACOA AFLD 3.5 NM SW OF SANTA FE. 5,400 X 150 FT NNE/ SSW PROB BLACKTOP RUNWAY. OBSERVATION OF PART OF THE AIRFIELD REVEALS A PARKING APRON AND TWO HANGARS ON THE NW SIDE OF THE RUNWAY. AT LEAST 10 U/I OBJECTS, POSSIBLY CRATES, ARE STORED ON THE PARKING APRON FRONTING THE SOUTHERNMOST HANGAR. AIRCRAFT—ONE PROBABLE TRANSPORT.	2302N 08235W		18	3
			25X1	
			25X1	
HAVANA, CAMPO LIBERTAD AFLD LIMITED OBSERVATION OF PORTION OF ONE RUNWAY REVEALED NO AIRCRAFT OR UNUSUAL ACTIVITY.	2305N 08227W		86B	3

<p>BACURANAO AFLD 2,400 X 125 FT E/W SOD RUNWAY, THREE HANGARS—60 X 30 FT, 55 X 30 FT, AND 55 X 35 FT. ONE ADMIN-TYPE BLDG 175 X 30 FT. AIRCRAFT—3 UTILITY.</p>	2308N 08214W 0586	15 3
<p>CAMAGUEY, PROBABLE MILITARY GARRISON 3 NM SE OF CAMAGUEY RAILROAD MARSHALING YARDS, 19 BARRACKS/STORAGE BUILDINGS, 1 PROBABLE VEHICLE SHED, 1 RIFLE RANGE, 9 ASSOCIATED SUPPORT BUILDINGS.</p>	2123N 07752W 0586	27C 4X
<p>ISLE OF PINES MILITARY ACTIVITY NO UNUSUAL MILITARY ACTIVITY WAS OBSERVED. REPORTED MILITARY UNITS NOT LOCATED.</p>	2140N 08250W 0586	89 4X
<p>CIENFUEGAS NAVAL STATION NO LARGE SHIPPING ACTIVITY NOTED. SOME SMALL VESSELS DOCKED.</p>	2209N 08027W 0586	511 4X
<p>GUANAJAY AREA, INSTITUTO CIVICO MILITAR 5 NM SE OF GUANAJAY, 11 LARGE MULTISTORY BUILDINGS, ATHLETIC FIELD.</p>	2251N 08238W 0586	215 4X
<p>MANAGUA MILITARY RESERVATION ONLY SMALL PORTION OF RESERVATION OBSERVED. RESERVATION INCLUDES A BARRACKS AREA, A PROBABLE SCHOOL AREA, AN AIRSTRIP, AND A LOCAL TRAINING AREA WITH A RIFLE RANGE. THE BARRACKS AREA CONTAINS APPROX 70 BUILDINGS, 12 OF WHICH ARE BARRACKS 230 X 35 FT. THE PROBABLE SCHOOL AREA CONTAINS 18 BUILDINGS, MOSTLY ADMINISTRATIVE TYPE. VEHICLES INCLUDE 6 PROBABLE MEDIUM TANKS, 1 POSSIBLE TANK, 8 PROBABLE ARMORED CARS, 15-20 CARGO TRUCKS, 11 SEMIS 35 FT LONG WITH TRACTOR, 7 SEMIS 25 FT LONG WITH TRACTOR, AND 50-60 MISCELLANEOUS VEHICLES. SOUTH OF THE BARRACKS AREA EARTH-COVERED STORAGE BUNKERS ARE UNDER CONSTRUCTION.</p>	2258N 08218W 0586	111 4X



MARIEL NAVAL AMMO STORAGE NOT LOCATED.	2300N 08244W 0586	117B	4C
MARIEL, NAVAL ACADEMY	2300N 08244W 0586	117G	4X
BAHIA DE CABANAS AREA NO MILITARY ACTIVITY OBSERVED.	2300N 08258W 0586	2	4X
HAVANA, SAN ANTONIO NAVAL ARSENAL	2307N 08221W 0586	162	4X
HAVANA, CASTILLO DE PRINCIPE	2308N 08223W 0586	860	4X
HAVANA NAVAL ARSENAL (CASA BLANCA) INSTALLATION HAS DOCK FACILITIES, MARINE RAILWAY, POSSIBLE DRY DOCK, POSSIBLE FLOATING DRY DOCK, WAREHOUSES, AND ADMINISTRATIVE BUILDINGS, 12 NAVAL VESSELS AND 2 CARGO SHIPS, 4 POSSIBLE TRACKED VEHICLES.	2309N 08220W 0586	33	4C
HAVANA NAVAL ENLISTED TRAINING CENTER	2309N 08220W 0586	86M	4A
HAVANA AREA, CASTILLO DE MORRO OFFICERS SCHOOL	2309N 08221W 0586	86N	4B
HAVANA, LA CABANA POSSIBLE MICROWAVE STATION ON PORT SIDE OF FORT.	2309N 08221W 0586	86P	4X
HAVANA AREA, MILITARY DEFENSES NO MILITARY DEFENSES OBSERVED EXCEPT ONE COASTAL DEFENSE POSITION WHICH APPEARS INACTIVE.	2309N 08222W 0586	86L	4X
CAMAGUEY POL STORAGE JUST S OF RR MARSHALING YARDS.	2122N 07754W 0586	27D	5C
CAMAGUEY POL STORAGE ON N SIDE OF RAILROAD 2 NM W OF CAMAGUEY.	2123N 07757W 0586	27E	5C



NUEVITAS POL STORAGE (ESSO STANDARD) 3 NM E OF NUEVITAS	2132N 07713W	0586	134A	5C
NUEVITAS POL STORAGE (SINCLAIR) 3 NM E OF NUEVITAS.	2132N 07713W	0586	138	5C
NUEVITSA AREA, POL STORAGE FERROCARRILES 1.5 NM NE OF NEUVITAS. TWO STORAGE TANKS IN PLACE, ONE TANK REMOVED.	2133N 07715W	0586	134B	5C
PUERTO TARAFA, POL STORAGE	2134N 07715W	0586	150	5C
PINA, POL STORAGE	2201N 07842W	0586	145B	5C
CIENFUEGOS POL STORAGE (ESSO STANDARD OIL) TWO BULK STORAGE TANKS.	2208N 08028W	0586	51D	5C
CIENFUEGOS POL STORAGE (SINCLAIR) THREE STORAGE TANKS.	2209N 08028W	0586	51E	5C
CIENFUEGOS POL STORAGE (TEXACO) ONE LARGE TANK.	2209N 08028W	0586	51F	5C
LA ISABELA (ISABELA DE SAGUA) POL STORAGE	2257N 08001W	0586	99	5C
MANAGUA EXPLOSIVES-STORAGE AREA 3 NM SW OF MANAGUA. AREA CONTAINS 9 REVETTED STRUCTURES AND 10 SUPPORT BLDGS.	2256N 08220W	0586	111C	5E
CARDENAS POL STORAGE NOT LOCATED.	2302N 08113W	0586	31B	5C
MATANZAS POL STORAGE (RAYONERA CUBANA) NW OF MATANZAS. TANK STORAGE ASSOCIATED WITH TEXTILE MILL. 2 LARGE TANKS.	2304N 08133W	0586	120C	5C
MATANZAS POL STORAGE (TEXACO) NW EDGE OF MATANZAS.	2304N 08133W	0586	120E	5C

HAVANA POL STORAGE (SINCLAIR)	2307N 08220W	0586	86U	5C
HAVANA POL STORAGE NO POL STORAGE AREA AT COORDINATES.	2308N 08222W	0586	86T	5C
CAMPACHUELA AREA, DOS AMIGOS SUGAR MILL	2014N 07717W	0586	29A	6J
SALVADOR SUGAR MILL	2016N 07713W	0586	160A	6J
MACARENO SUGAR MILL	2046N 07752W	0586	108	6J
FRANCISCO SUGAR MILL	2049N 07735W	0586	76	6J
JOBABO SUGAR MILL	2054N 07717W	0586	95	6J
SANTA LUCIA ELIA SUGAR MILL	2059N 07726W	0586	181	6J
SANTA MARTA SUGAR MILL	2049N 07801W	0586	184	6J
PALO SECO, MINING AREA 2 NM W OF PALO SECO.	2107N 07721W	0586	255	6A
HATUEY AREA, NAJASA SUGAR MILL 1.5 NM S OF HATUEY.	2110N 07733W	0586	250	6J
CAMAGUEY POWER PLANT IN EAST CAMAGUEY.	2123N 07755W	0586	27B	6
MINAS CHROME MINES SCATTERED STRIP MINES THROUGHOUT AREA.	2129N 07737W	0586	127	6A
MINAS COPPER MINES	2129N 07737W	0586	127A	6A
SENADO SUGAR MILL	2132N 07735W	0586	189A	6J
LUGARENO SUGAR MILL	2133N 07728W	0586	107	6J
PLAYA SANTA LUCIA SALT REFINERY	2134N 07703W	0586	241	6J

JARONU SUGAR MILL	2149N 07758W	0586	92B	6J
VERTIENTES SUGAR MILL	2115N 07809W	0586	204	6J
FLORIDA AREA, AGRAMONTE SUGAR MILL JUST S OF FLORIDA.	2130N 07813W	0586	74	6J
FLORIDA SUGAR MILL	2132N 07814W	0586	74A	6J
CESPEDES SUGAR MILL	2134N 07816W	0586	48A	6J
CESPEDES AREA, MINING ACTIVITY 5 NM WSW OF CESPEDES.	2134N 07821W	0586	48B	6A
CESPEDES AREA ESTRELLA SUGAR MILL 1 NM NW OF CESPEDES	2135N 07818W	0586	48	6J
BARAGUA SUGAR MILL 6 NM WSW OF GASPAR.	2141N 07838W	0586	19A	6J
SILVERIA AREA, STEWART SUGAR MILL 1 NM SE OF SILVEIRA.	2144N 07847W	0586	193	6J
VIOLETA SUGAR MILL	2156N 07825W	0586	207A	6J
NATIVIDAD SUGAR MILL	2140N 07928W	0586	248	6J
AMAZONAS SUGAR MILL	2141N 07926W	0586	7	6J
TRINIDAD SUGAR MILL 0 NM ENE OF TRINIDAD.	2150N 07950W	0586	196A	6J
TRINIDAD AREA, NEW PROBABLE CIGAR FACTORY 7 NM NE OF TRINIDAD.	2151N 07951W	0586	196C	6
SANCTI SPIRITUS AREA, PROB MILK-PROCESSING PLT	2152N 07923W	0586	175B	6J
JATIBONICO OIL FIELD 3 NM NE OF JATIBONICO.	2158N 07907W	0586	94	6A



SANCTI SPIRITUS AREA, TUINICU SUGAR MILL 5 NM NNE OF SANCTI SPIRITUS.	2159N 07925W	0586	198	6J
SIGUANEA TUNGSTEN MINES ISLE OF PINES. 1 NM SSW OF SIGUANEA AFLD.	2137N 08258W	0586	190A	6A
PINA AREA, MORON SUGAR MILL	2201N 07842W	0586	145A	6J
CUNAGUA SUGAR MILL	2205N 07820W	0586	60A	6J
MORON AREA, PATRIA SUGAR MILL 2 NM SSE OF MORON.	2205N 07836W	0586	129A	6J
FALLA AREA, ADELAIDA SUGAR MILL JUST W OF FALLA.	2210N 07848W	0586	72	6J
PUNTA ALEGRE SUGAR MILL	2223N 07847W	0586	151B	6J
PUNTA ALEGRE GYPSUM QUARRY 1 NM SW OF PUNTA ALEGRE.	2223N 07848W	0586	151	6A
GUAYOS AREA, LA VEGA SUGAR MILL SW OF GUAYOS.	2203N 07928W	0586	242	6J
FOMENTO AREA, LEAD-ZINC MINE 3.5 NM S OF FOMENTO.	2203N 07943W	0586	75	6A
CABAIGUAN OIL REFINERY	2204N 07930W	0586	24	6J
FOMENTO AREA, SANTA ISABEL SUGAR MILL JUST SE OF FOMENTO.	2206N 07943W	0586	75A	6J
ANTONIO PYRITES MINE JUST S OF AGABAMA.	2208N 07945W	0586	11	6A
FOMENTO AREA, ESCAMBRAY SUGAR MILL 3 NM NW OF FOMENTO.	2208N 07945W	0586	75B	6J
JARAHUECA OIL FIELD & POL STORAGE 4 SMALL TANKS, AT LEAST 6 OTHER SCATTERED TANKS, 1 OR MORE COLLECTING TANKS OR PONDS, AND 3 POSSIBLE RIGS.	2211N 07922W	0586	91B	6A

JARAHUECA OIL FIELD NO DERRICKS OR DRILLING IN AREA.	2214N 07917W 0586	91	6A
JARAHUECA OIL REFINERY NO REFINERY LOCATED IN AREA.	2214N 07920W 0586	91A	6J
PLACETAS AREA, ZAZA SUGAR MILL	2217N 07938W 0586	228A	6J
NELA SUGAR MILL	2219N 07904W 0586	131	6J
PLACETAS AREA, SAN JOSE SUGAR MILL	2219N 07935W 0586	228	6J
VITORIA SUGAR MILL	2220N 07913W 0586	208A	6J
NARCISA SUGAR MILL	2220N 07915W 0586	130	6J
ZULUETA, SAN PABLO SUGAR MILL	2221N 07936W 0586	210A	6J
SAN ANDRES AREA, FIDENCIA SUGAR MILL	2221N 07939W 0586	161	6J
BUENA VISTA AREA, ADELA SUGAR MILL	2223N 07930W 0586	247	6J
ZULUETA AREA, SAN AGUSTIN SUGAR MILL	2223N 07933W 0586	210	6J
CAMAJUANI SUGAR MILL	2226N 07941W 0586	28	6J
REMEDIOS MINE	2229N 07937W 0586	157	6J
CAIBARIEN AREA, REFORMA SUGAR MILL 1.7 NM SW OF CAIBARIEN.	2230N 07930W 0586	26C	6J
SANTA CLARA AREA, CARMITA SUGAR MILL IN AGUA.	2230N 07949W 0586	177	6J
VEGA ALTA AREA, CARMITA SUGAR MILL	2230N 07949W 0586	246	6J
ENCRUCIJADA AREA, CONSTANCIA SUGAR MILL 1.5 NM SSE OF ENCRUCIJADA.	2236N 07951W 0586	69	6J

MATA AREA, MACAGUA SUGAR MILL	2236N 07957W	0586	119A	6J
MATA AREA, SANTA LUTGARDA SUGAR MILL	2238N 07957W	0586	119	6J
CALABAZAR DE SAGUA AREA, PURIO SUGAR MILL 1.6 NM NNE OF CALABAZAR DE SAGUA.	2240N 07952W	0586	240	6J
ESTRELLA AREA, NAZABAL SUGAR MILL 2 NM NW OF ESTRELLA.	2245N 07946W	0586	222	6J
LOS GUAOS, IRON-ORE MINE	2208N 08019W	0586	104	6A
SAN FERNANDO COPPER MINE AND MILL 5 NM SW OF MATAGUA.	2211N 08004W	0586	167	6A
LOS MANGOS PYRITES MINE 5 NM SW OF MATAGUA.	2212N 08006W	0586	106	6A
CONSTANCIA SUGAR MILL	2214N 08035W	0586	56A	6J
CONSTANCIA AREA, MANUELITA SUGAR MILL 3 NM W OF CONSTANCIA.	2215N 08032W	0586	56B	6J
COVADONGA SUGAR MILL	2216N 08052W	0586	41A	6J
ROSARIO AREA, COVADONGA SUGAR MILL 1.4 NM SE OF ROSARIO.	2216N 08052W	0586	158	6J
PALMIRA AREA, HORMIGUERO SUGAR MILL 3 NM NE OF PALMIRA.	2217N 08021W	0586	232	6J
PALMIRA AREA, PORTUGALETE SUGAR MILL 2.5 NM NW OF PALMIRA.	2217N 08025W	0586	231	6J
SAN JUAN DE LOS YERAS, PASTORA SUGAR MILL 3 NM ESE OF SAN JUAN DE LOS YERAS.	2219N 08003W	0586	234	6J
CRUCES AREA, ANDREITA SUGAR MILL	2219N 08016W	0586	59	6J

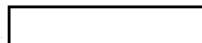


CRUCES AREA, MADERA TEXTILE PLANT JUST SW OF CRUCES.	2220N 08017W 0586	59C	6Q
CRUCES SUGAR MILL	2221N 08018W 0586	59B	6J
PERSEVERANCIA SUGAR MILL	2221N 08046W 0586	142	6J
RANCHUELO AREA, SANTA ROSA SUGAR MILL 1.5 NM E OF RANCHUELO.	2222N 08007W 0586	154	6J
RANCHUELA AREA, SANTA MARIA SUGAR MILL 2.5 NM W OF RANCHUELO.	2222N 08012W 0586	154A	6J
CRUCES AREA, SAN FRANCISCO SUGAR MILL 2 NM NE OF CRUCES.	2222N 08015W 0586	59D	6J
CRUCES AREA, CARACAS SUGAR MILL 2 NM N OF CRUCES.	2222N 08017W 0586	59A	6J
CONGOJAS AREA, PARQUE ALTO SUGAR MILL	2222N 08031W 0586	260	6J
CRUCES AREA, SANTA CATALINA SUGAR MILL 3 NM NE OF CRUCES.	2223N 08014W 0586	59E	6J
CESPEDES SUGAR MILL (PORFUERZA)	2232N 08052W 0586	49	6J
SANTO DOMINGO AREA, SUGAR MILL MARIA ANTONIA 2 NM SE OF SANTO DOMINGO.	2234N 08013W 0586	236	6J
ARAUJO SUGAR MILL 1.5 NM SW OF MANGUITO.	2234N 08057W 0586	14	6J
WASHINGTON SUGAR MILL	2235N 08019W 0586	209	6J
MERCEDES SUGAR MILL	2237N 08053W 0586	125	6J
ULACIA SUGAR MILL	2240N 08012W 0586	200	6J
CIFUENTES AREA, UNIDAD SUGAR MILL 2.9 NM NE OF CIFUENTES.	2241N 08001W 0586	52A	6J



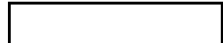
CORAZON DE JESUS SUGAR MILL	2243N 08003W 0586	57	6J
SITIECITO, SANTA TERESA SUGAR MILL	2245N 08005W 0586	244	6J
LOS ARABOS AREA, ZORILLA SUGAR MILL	2245N 08040W 0586	103	6J
BANAGUISES AREA, ALAVA SUGAR MILL	2246N 08050W 0586	17	6J
TINGUARO SUGAR MILL	2246N 08058W 0586	195	6J
SAN ISIDRO SUGAR MILL 1.5 NM W OF QUEMADO DE GUINES.	2247N 08017W 0586	170	6J
SAGUA LA GRANDE AREA, U/I MINING 3.2 NM W OF SAGUA LA GRANDE.	2248N 08008W 0586	159B	6A
RANCHO VELOZ AREA, RESOLUCION SUGAR MILL 4.3 NM SE OF RANCHO VELOZ.	2250N 08020W 0586	237	6J
RANCHO VELOZ AREA, RAMONA SUGAR MILL 2.5 NM SE OF RANCHO VELOZ.	2251N 08021W 0586	237A	6J
MINAS DE MOTEMBO NAPHTHA FIELD	2254N 08041W 0586	128	6A
MARTI AREA, GUIPUZCOA SUGAR MILL 1 NM W OF MARTI.	2257N 08056W 0586	221A	6J
TANGUE, JAGUEY GRANDE SUGAR MILL	2230N 08108W 0586	90	6J
PEDROSO AREA, SOCORRO SUGAR MILL 2 NM WNW OF PEDROSO.	2239N 08120W 0586	220	6J
SANTA RITA DE BARO SUGAR MILL 5 NM ESE OF AGRAMONTE.	2240N 08102W 0586	185A	6J
AGRAMONTE, UNION SUGAR MILL 1.5 NM NW OF AGRAMONTE. MAIN BUILDINGS HAVE BEEN TORN DOWN. PLANT NO LONGER IN EXISTENCE.	2242N 08108W 0586	10	6J

PEDRO BETANCOURT AREA, SUGAR MILL .5 NM NW OF PEDRO BETANCOURT.	2244N 08118W 0586	139A 6J
CONCHITA, ATLANTICA DEL GOLFO SUGAR MILL	2244N 08132W 0586	55 6J
SAN NICOLAS DE BARI, GOMEZ MENA SUGAR MILL 2 NM SE OF SAN NICOLAS DE BARI.	2245N 08153W 0586	211 6J
QUIVICAN AREA, OCCIDENTE SUGAR MILL 3 NM SW OF QUIVICAN.	2247N 08123W 0586	243 6J
PERICO AREA, ESPANA SUGAR MILL 2 NM N OF PERICO.	2248N 08101W 0586	141A 6J
PEDRO BETANCOURT AREA, DOLORES SUGAR MILL 5 NM N OF PEDRO BETANCOURT.	2248N 08118W 0586	61 6J
SOLEDAD SUGAR MILL 3 NM ENE OF JOVELLANOS.	2249N 08108W 0586	191 6J
SOLEDAD SUGAR MILL	2249N 08108W 0586	192 6J
PALOS AREA, JOSEFITA SUGAR MILL 1 NM NE OF PALOS.	2249N 08144W 0586	97 6J
SANTO DOMINGO SUGAR MILL 3 NM SE OF JUAN GUALBERTO GOMES.	2250N 08130W 0586	188 6J
LIMONES SUGAR MILL	2253N 08125W 0586	101 6J
COLISEO AREA, CAROLINA SUGAR MILL 1.5 NM ENE OF COLISEO.	2255N 08117W 0586	32 6J
COLISEO AREA, SANTA AMALIA SUGAR MILL 1 NM NE OF COLISEO.	2255N 08118W 0586	176 6J
MADRUGA AREA, SAN ANTONIO SUGAR MILL 1 NM W OF MADRUGA.	2255N 08152W 0586	109 6J

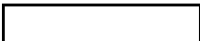


MADRUGA, OIL FIELD ON S SIDE OF HIGHWAY 1.5 NM WSW OF MADRUGA.	2255N 08153W 0586	109A	6A
LAGUNILLAS AREA, PROGRESO SUGAR MILL 2.8 NM NE OF LAGUNILLAS.	2258N 08110W 0586	148	6J
LAGUNILLAS AREA, POSS ORE-PROCESSING INDUSTRY 2.9 NM NE OF LAGUNILLAS.	2258N 08110W 0586	148A	6J
SAN IGNACIO SUGAR MILL	2259N 08108W 0586	169	6J
LIMONAR AREA, TRIUNFO SUGAR MILL 3 NM NE OF LIMONAR.	2259N 08122W 0586	197	6J
AGUACATE, ROSARIO SUGAR MILL	2259N 08150W 0586	3	6J
GUINES AREA, PROVIDENCIA SUGAR MILL 3.5 NM S OF GUINES.	2247N 08202W 0586	149	6J
ARTEMISA CEMENT PLANT	2248N 08241W 0586	13	6J
ARTEMISA AREA, SANTA THERESA LIME PLANT 1.5 NM ESE OF CANAS.	2248N 08241W 0586	13D	6J
ARTEMISA AREA, ANDORRA SUGAR MILL	2248N 08248W 0586	13A	6J
MELENA DEL SUR AREA, MERCEDITA SUGAR MILL	2249N 08209W 0586	123	6J
AMISTAD SUGAR MILL	2250N 08200W 0586	8	6J
EL GABRIEL AREA, FAJARDO SUGAR MILL 1 NM NE OF EL GABRIEL.	2250N 08227W 0586	66	6J
ARTEMISA AREA, PILAR SUGAR MILL 2 NM N OF ARTEMISA.	2250N 08245W 0586	13C	6J
SAN JOSE DE LAS LAJAS, 2 NEW INDUSTRIAL PLTS 3.5 NM SE OF SAN JOSE DE LAS LAJAS. ONE A PROBABLE CROP-PROCESSING PLANT, THE OTHER A LIGHT INDUSTRY.	2256N 08205W 0586	172B	6Q

BAUTA AREA, ARIGUANABO TEXTILE PLANT 3 NM S OF BAUTA.	2256N 08233W 0586	22A 6Q
SAN JOSE DE LAS LAJAS COPPER FABRICATION PLANT 2 NM SE OF SAN JOSE DE LAS LAJAS.	2257N 08208W 0586	172 6Q
SAN JOSE DE LAS LAJAS, INDUSTRIAL AREA 2 NM SE OF SAN JOSE DE LAS LAJAS. TWO U/I PLANTS PARTIALLY OBSERVED.	2257N 08208W 0586	172C 6
MARIEL AREA, SAN RAMON SUGAR MILL 1 NM S OF MARIEL.	2257N 08246W 0586	117H 6J
SAN JOSE DE LAS LAJAS IRON & STEEL PLANT 1 NM NW OF SAN JOSE DE LAS LAJAS.	2258N 08210W 0586	172A 6Q
MERCEDITAS SUGAR MILL	2259N 08254W 0586	126 6J
VARADERO AREA, U/I MINING 8 NM SSW OF VARADERO. U/I OPEN-PIT MINING IN A MOUNTAINOUS AREA.	2301N 08119W 0586	201A 6A
CARDENAS DISTILLERY PLANT PLANT HAS 3 LARGE BUILDINGS, 5 TANKS OF VARIOUS SIZES, AND 5 STORAGE BUILDINGS.	2302N 08112W 0586	31A 6J
CORRAL NUEVO AREA, ELENA SUGAR MILL 3 NM SW OF CORRAL NUEVO.	2302N 08143W 0586	58A 6J
CORRAL NUEVO GYPSUM QUARRY QUARRY NOT LOCATED.	2303N 08140W 0586	58 6J
MATANZAS, NEW CHEMICAL PLANT 2 NM NE OF MATANZAS. NEW CHEMICAL PLANT, PARTIALLY COMPLETED, PARTIALLY IN PRELIMINARY STAGES OF CONSTRUCTION. AT LEAST 18 BUILDINGS WITH TANKS, FRACTIONATING TOWERS, AND OTHER CHEMICAL PROCESSING EQUIPMENT. ROAD SERVED.	2304N 08132W 0586	120L 6J

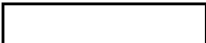


MATANZAS TEXTILE MILL 2 NM NW OF MATANZOS.	2304N 08133W 0586	120H 6Q
MATANZAS FERTILIZER PLANT	2304N 08133W 0586	120J 6J
MARGET PYRITES MINE	2304N 08138W 0586	115 6A
GUASIMAS AREA, DOS ROSAS SUGAR MILL 2.2 NM S OF KAWAMA.	2305N 08118W 0586	63 6J
CANASI, SUGAR MILL .8 NM N OF CANASI.	2308N 08147W 0586	224 6J
HERSHEY SUGAR MILL	2308N 08157W 0586	87A 6J
HABANA SUGAR MILL	2301N 08237W 0586	86A 6J
MARIEL CEMENT PLANT	2301N 08245W 0586	117C 6J
JARUCO CEMENT PLANT NOT LOCATED.	2303N 08200W 0586	93 6J
EL COTORRO, ANTILLANA DE ACERO IRON & STEEL PT 5 NM SE OF HAVANA.	2303N 08216W 0586	65A 6J
EL COTORRO OIL REFINERY 5 NM SE OF HAVANA.	2303N 08216W 0586	65B 6J
HAVANA AREA, TOLEDO SUGAR MILL	2303N 08225W 0586	86V 6J
HAVANA OIL REFINERY (SHELL)	2307N 08220W 0586	86R 6J
HAVANA OIL REFINERY (ESSO) APPROXIMATELY 50 PERCENT OF AREA OBSERVED.	2308N 08219W 0586	86S 6J
GUANABO AREA, OIL FIELD 3 NM S OF GUANABO.	2309N 08211W 0586	83 6A
SANTA MARIA DEL MAR, OIL FIELD 1 NM S OF SANTA MARIA DEL MAR. THREE CIRCULAR STORAGE TANKS, MISCELLANEOUS SHEDS, ONE PUMP STATION. A SECOND AREA WITHIN THE CITY PROPER AT 2310N 08211W	2309N 08211W 0586	183 6A



CONTAINS SEVERAL POSSIBLE PUMP STATIONS AND THREE TANKS.

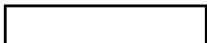
MANZANILLO PROB POWER PLANT ON NE SIDE OF TOWN.	2020N 07708W 0586	113C 7E
SIBANICU, PROBABLE GRAVEL PIT 4 NM WSW OF SIBANICU. PROBABLE GRAVEL PIT WITH A NUMBER OF TRUCKS FOR ROAD CONSTRUCTION.	2113N 07736W 0586	251 7
GASPAR TRANSFORMER STATION	2144N 07833W 0586	79 7E
CIEGO DE AVILA AREA, VICENTE POWER PLANT 4 NM SE OF CIEGO DE AVILA.	2148N 07842W 0586	205 7E
CIEGO DE AVILA POWER PLANT POWER PLANT NOT LOCATED.	2150N 07845W 0586	50B 7E
MORON RR YARD AND REPAIR FACILITIES SW EDGE OF MORON. INCLUDES RR YARD, ROUND- HOUSE, AND SHOPS.	2206N 07837W 0586	129B 7B
BARAJAGUE AREA, HANABANILLA POWER PLANT 8 NM SE OF CUMANAYAGUA. EARTH-FILL DAM AND HYDROELECTRIC POWER PLANT. DAM IS COMPLETED, POWER PLANT REPORTED TO BE UNDERGROUND.	2206N 08004W 0586	20 7E
CIENFUEGOS, THERMAL POWER PLANT	2208N 08027W 0586	51G 7E
CIENFUEGOS, THERMAL POWER PLANT	2210N 08027W 0586	51H 7E
SAN NICOLAS DE BARI, ELECTRIC PLANT	2245N 08155W 0586	211A 7E
MATANZAS POWER PLANT 1 NM NE OF MATANZAS.	2304N 08132W 0586	120I 7E
HERSHEY POWER PLANT	2308N 08157W 0586	87 7



HAVANA, PROBABLE THERMAL ELECTRIC POWER PLANT	2308N 08219W 0586	86A1 7E
HAVANA, REGLA POWER PLANT	2 2308N 08220W 0586	156 7E
HAVANA HARBOR TUNNEL ROAD TUNNEL UNDER ENTRANCE TO HAVANA HARBOR	2308N 08221W 0586	86A3 7A
HAVANA, TALLAPIEDRA POWER PLANT	2308N 08221W 0586	194 7E
NIQUERO PORT FACILITIES	2003N 07735W 0586	132A 8
CAMPACHUELA PORT FACILITIES	2014N 07717W 0586	29B 8
SALVADOR PORT FACILITIES .8 NM NE OF SALVADOR.	2017N 07712W 0586	160 8
MANZANILLO URBAN COMPLEX NO MILITARY UNITS OBSERVED.	2020N 07708W 0586	113D 8
MANZANILLO PORT FACILITIES	2021N 07707W 0586	113B 8
GUAYABAL PORT FACILITIES	2041N 07737W 0586	84 8
SANTA CRUZ DEL SUR PORT FACILITIES	2042N 07759W 0586	178A 8
MANOPLA PORT FACILITIES	2043N 07751W 0586	112 8
CAMAGUEY URBAN COMPLEX	2123N 07755W 0586	27F 8
NUEVITAS PORT FACILITIES ONE CARGO VESSEL AT PIER NEAR PUNTA LA GUIRA, NUMEROUS SMALL CRAFT.	2132N 07716W 0586	134 8
PLAYA PILOTO PORT 6.5 NM N OF SOLA, AT LEAST 16 SMALL PIERS.	2147N 07741W 0586	253 8
SANTA MARIA, PORT FACILITIES ALONGSIDE QUAY, RAIL SERVED. SMALL CRAFT ALONGSIDE QUAY.	2117N 07829W 0586	182 8

BOCA GRANDE PORT FACILITIES	2134N 07839W	0586	70	8
PALO ALTO PORT FACILITIES PIER, TWO STORAGE TANKS, RR TURNING WYE OBSERVED.	2136N 07858W	0586	136	8
TUNAS DE ZAZA PORT FACILITIES	2138N 07933W	0586	199	8
SANCTI SPIRITUS URBAN COMPLEX NO MILITARY ACTIVITY APPARENT.	2156N 07926W	0586	175	8
NUEVO GERONA PORT FACILITIES ISLE OF PINES. THIS COMPLEX HAS NOT CHANGED SINCE 1957, AMS SERIES E723, SHEET 3681 IV. PORT HAS NUMEROUS ALONG-SHORE WHARVES, 1 STEAMER, 1 U/I SHIP, NUMEROUS SMALL BOATS.	2153N 08248W	0586	133B	8
PUNTA ALEGRE PORT FACILITIES 12.8 NM NE OF CHAMBAS.	2223N 07849W	0586	151C	8
CENTRAL NELA PIER FACILITIES 1.5 NM ESE OF CAYO PALMA.	2223N 07904W	0586	45	8
VITORIA PORT FACILITY 2.7 NM NNE OF VITORIA. PIER WITH RR. NUMEROUS SMALL BOATS.	2223N 07912W	0586	208	8
SANTA CLARA URBAN COMPLEX NO APPARENT MILITARY ACTIVITY.	2225N 07957W	0586	177C	8
CAIBARIEN PORT FACILITIES	2232N 07928W	0586	26A	8
CIENFUEGOS PORT FACILITIES ONE PROBABLE MERCHANT VESSEL (POSSIBLE FREIGHTER-TRANSPORT) AT ANCHOR IN BAY.	2209N 08027W	0586	51A	8
CIENFUEGOS URBAN COMPLEX	2209N 08027W	0586	51J	8
HOYO DE MANICARAGUA URBAN COMPLEX NO EVIDENCE OF MILITARY ACTIVITY.	2210N 08003W	0586	88	8

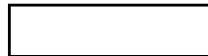
SAGUA LA GRANDE URBAN COMPLEX	2248N 08004W 0586	159A	8
CARAHATAS PORT FACILITY 5.6 NM ENE OF RANCHO VELOZ.	2255N 08018W 0586	235	8
LA ISABELA PORT FACILITIES	2256N 08001W 0586	99A	8
PANCHITA PORT FACILITY 4 NM NNW OF RANCHO VELOZ.	2257N 08025W 0586	233	8
PLAYA CAIMITO PORT 6.6 NM SSE OF SAN NICOLAS DE BARI.	2241N 08152W 0586	225	8
BATABANO PORT FACILITIES	2241N 08218W 0586	21	8
PLAYA DEL CAJIO PORT 9.7 NM W OF SURGIDERO DE BATABANO. PORT HAS AT LEAST TWO PIERS, ONE LARGE BOAT, AND NUMEROUS SMALL CRAFT.	2241N 08228W 0586	227	8
ARTEMISA URBAN COMPLEX	2249N 08246W 0586	13B	8
GUINES URBAN COMPLEX	2250N 08202W 0586	219	8
SAN ANTONIO DE LOS BANOS URBAN COMPLEX	2253N 08230W 0586	164B	8
GUANAJAY URBAN COMPLEX	2256N 08241W 0586	215A	8
CABANAS PORT FACILITIES	2259N 08256W 0586	25	8
CARDENAS PORT FACILITIES SEVEN PIERS OF VARIOUS SIZES, AT LEAST 2 MARINE RR, MOLASSES STORAGE TANKS, COVERED STORAGE, AND HANDLING FACILITIES. PORT HAS LARGE RR YARD. ONE FREIGHTER AND NUMEROUS SMALL BOATS IN PORT.	2302N 08112W 0586	31C	8
MATANZAS PORT FACILITIES A NEW PIER AND TWO WAREHOUSES HAVE BEEN CONSTRUCTED. ONE CARGO SHIP IS BERTHED AT THE ARMOUR PIER.	2303N 08133W 0586	120F	8




MATANZAS PORT ONLY NW PORTION OBSERVED. 1 NEW PIER WEST OF ARMOUR PIER. 1 CARGO SHIP BERTHED AT ARMOUR PIER.	2303N 08134W 0586	120G 8
KAWAMA, MARINA FOR SMALL CRAFT	2307N 08118W 0586	217 8
SANTA CRUZ DEL NORTE URBAN COMPLEX	2309N 08155W 0586	214 8
SANTA CRUZ DEL NORTE PORT	2309N 08155W 0586	214A 8
MARIEL PORT FACILITIES TWO WHARVES ADDED. ONE IS NW OF MARANTE NO 1 AT LA BOCA AND ONE IS AT MARANTE. BOTH ARE USED FOR DRY CARGO. THERE IS EXTENSIVE OPEN STORAGE OF DRY CARGO AT NEW WHARF AT MARIEL. NAVAL VESSELS--1 PROB TRAINING SHIP. MERCHANT VESSELS--2 STACK-AFT FREIGHTERS (1 DRY CARGO), 2 FREIGHTERS (DRY CARGO), AND 1 COASTAL PASSENGER VESSEL.	2301N 08245W 0586	117 8
BOCA RIO BANES PORT FACILITIES JUST W OF HAVANA.	2302N 08238W 0586	23 8
HAVANA PORT FACILITIES 1 PASSENGER SHIP AND 16 MERCHANT VESSELS, INCLUDING 9 FREIGHTER-TRANSPORT SHIPS (1 UNDER WAY), 3 FREIGHTERS, 3 STACK-AFT CARGO SHIPS, AND 1 STACK-AFT TANKER. ALSO, NUMEROUS LIGHTERS, HARBOR CRAFT, AND SMALL CRAFT. (NOTE--NAVAL VESSELS REPORTED UNDER HAVANA NAVAL ARSENAL, CASA BLANCA).	2308N 08221W 0586	86 8
HAVANA URBAN COMPLEX	2309N 08222W 0586	86A2 8
GUANABO URBAN COMPLEX	2310N 08208W 0586	83A 8
COJIMAR URBAN COMPLEX NO MILITARY ACTIVITY OBSERVED AT THIS LOCATION.	2310N 08217W 0586	53 8

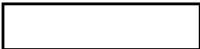
<p>PROB NEW HOUSING AREA, NEAR SIGUANEA AFLD ISLE OF PINES. THIS INSTALLATION CONSISTS OF TWO PROBABLE HOUSING SITES. ONE SITE IS IN A VERY EARLY STAGE OF CONSTRUCTION. THE APPARENT BUILDING FOUNDATION PATTERN AND ISOLATED LOCATION SUGGEST ITS ULTIMATE USE MAY BE FOR DETENTION OF POLITICAL PRISONERS. THE OTHER SITE, PREVIOUSLY REPORTED BY NAVY, PARTIALLY OVERGROWN, AND APPEARS ABANDONED.</p>	<p>2139N 08256W 0586</p>	<p>190C 0</p>
<p>SANTA CLARA AREA, U/I FACILITY 3 NM S OF SANTA CLARA. FACILITY CONSISTS OF 2 GABLE-ROOFED BLDGS AND 2 POSSIBLE SILOS. LOCATED AT THE END OF A DIRT ROAD BRANCHING OFF THE SANTA CLARA - MATAGUA ROAD 3 NM S OF SANTA CLARA.</p>	<p>2220N 07958W 0586</p>	<p>177H 0</p>
<p>PRESIDENTIAL PALACE & CAPITOL BUILDING</p>	<p>2308N 08221W 0586</p>	<p>86X 0</p>

PINAR DEL RIO MICROWAVE SITE NO MICROWAVE WAS NOTED IN THIS VICINITY. THERE IS A PROBABLE MICROWAVE TOWER AT 22-25-32N 83-41-10W AND POSSIBLE MICROWAVE AT 22-25-28N 83-41-05W.	2225N 08343W 0587	32A 2A
MINAS DE MATAHAMBRE MICROWAVE STATION .5 NM E OF MINAS DE MATAHAMBRE.	2235N 08356W 0587	26A 2A
CONSOLACION DEL NORTE, MICROWAVE STATION MICROWAVE TOWER, ONE U-SHAPED PROBABLE ADMINISTRATION BUILDING, AND ONE BUILDING WHICH PROBABLY CONTAINS ELECTRONIC EQUIP.	2244N 08333W 0587	46 2A
LOS ARROYOS, MICROWAVE STATION MICROWAVE TOWER AND ASSOCIATED BUILDING.	2220N 08422W 0587	22B 2A
DIMAS AREA, MICROWAVE STATION .2 NM SSE OF DIMAS. MICROWAVE TOWER AND ASSOCIATED BUILDING.	2227N 08414W 0587	42A 2A
SAN ANTONIO DE LOS INDIOS AFLD ISLE OF PINES. 3,300 X 250 FT N/S SOD LANDING STRIP. ABANDONED.	2144N 08302W 0587	52 3
CAYUCO AFLD NO AIRFIELD LOCATED AT THESE COORDINATES.	2158N 08412W 0587	8 3
LA COLOMA LANDING FIELD 3 NM NW OF LA COLOMA. 2,400 FT NE/SW SOD RUNWAY. STRIP APPEARS ABANDONED AND MAY HAVE SMALL BUSHES GROWING ON ONE END.	2215N 08337W 0587	16 3
LA COLOMA LANDING STRIP 2 4 NM NW OF LA COLOMA. 2,200 X 50 APPROX FT SOD RUNWAY. RUNWAY BEING OVERGROWN BY VEGETATION. COULD BE USED BY LIGHT LIAISON- TYPE AIRCRAFT.	2217N 08338W 0587	16A 3



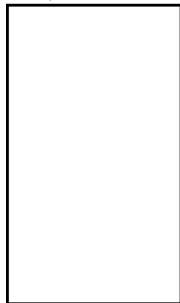
BATEY AFLD 3,275 X 140 FT SOD RUNWAY. 2,000 X 120 FT SOD RUNWAY.	2221N 08324W 0587		4	3
BATEY NORTHEAST AFLD 4.5 NM NE OF BATEY. 2,300 X 250 FT SOD LANDING AREA.	2224N 08320W 0587		4A	3
BATEY NORTHWEST AIRFIELD 4.5 NM NNW OF BATEY. AIRFIELD APPARENTLY ABANDONED.	2225N 08326W 0587		4B	3
PINAR DEL RIO AFLD 1 NM ENE OF PINAR DEL RIO. 3,500 X 100 FT ENE/WSW BLACKTOP RUNWAY. FACILITIES INCLUDE ONE HANGAR WITH ASSOCIATED APRON, TWO PARKING APRONS, ONE WARMUP APRON, AND AN ADMIN BLDG. ONE POSSIBLE LIAISON-TYPE ACFT IN HANGAR AREA.	2225N 08341W		32	3
PUERTO DEL GUARDIERO AFLD 3,500 X 125-170 FT E/W SOD RUNWAY.	2228N 08318W 0587		33	3
CONSOLACION DEL SUR AFLD 2 NM SE OF CONSOLACION DEL SUR. SMALL UTILITY FIELD, ABANDONED.	2228N 08329W 0587		10	3
LA FRANCIA AFLD 2,300 X 90 FT E/W SOD RUNWAY. SHED-ROOF AIRCRAFT SHELTER 50 X 30 FT NEAR NE END OF RUNWAY.	2232N 08313W 0587		19	3
SANTA LUCIA AFLD JUST E OF SANTA LUCIA. 2,900 X 150 FT NE/SW SOD RUNWAY. 1,900 X 80 FT NW/SE SOD RUNWAY. AIRFIELD IS SERVICEABLE. NO AIRCRAFT OBSERVED.	2240N 08358W 0587		37	3
VERRACOS LANDING FIELD 1,500 X 90 FT E/W SOD RUNWAY. FIELD NOT POSITIVELY IDENTIFIED. AREA MEASURED IS PROBABLY AIRSTRIP REPORTED TO EXIST. COULD BE USED FOR LIGHT LIAISON-TYPE AIRCRAFT.	2247N 08338W 0587		40	3

20X1A



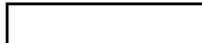
LA MULATA AFLD 2.5 NM W OF LA MULATA. 3,300 X 120 FT N/S SOD RUNWAY. ONE T-SHAPED HANGAR 30 X 30 FT AT SE END OF RUNWAY. N END OF RUNWAY PARTIALLY OVERGROWN.	2252N 08325W 0587		20	3
BAHIA HONDA AFLD SOD RUNWAY. FIELD DOES NOT APPEAR SERVICEABLE. VEGETATION IS GROWING ON THE LANDING STRIP.	2256N 08311W 0587		3A	3
BAHIA HONDA SEAPLANE STATION RAMP APPEARS SERVICEABLE.	2256N 08311W		3D	3
ALTURAS AFLD 3 NM NNE OF ALTURAS. FIELD ABANDONED. NE END OF RUNWAY OVERGROWN WITH VEGETATION.	2256N 08316W		1	3
LA FE SEAPLANE STATION 1 NM N OF LA FE PORT AREA.	2202N 08416W		18B	3
LA FE AREA, SAN JULIAN AFLD 5.5 NM ENE OF LA FE. 7,000 X 150 FT N/S BLACKTOP RUNWAY. 7,000 X 150 FT NE/SW BLACKTOP RUNWAY. AIRCRAFT--1 PROBABLE SEA FURY, 1 DERELICT.	2206N 08409W		18	3
LAGUNA DEL ALGODONAL, LANDING STRIP 2 NM NNE OF LAGUNA DEL ALGODONAL. 1,500 X 80 FT E/W SOD-DIRT RUNWAY.	2209N 08417W 0587		54	3
CLAVELLINAS AFLD NO 1 NO AIRFIELD LOCATED AT THESE COORDINATES.	2214N 08422W 0587		9	3
CAPE SAN ANTONIO - CAPE CORRIENTES AREA NAVAL TARGET AREA. NO UNUSUAL ACTIVITY, NO SHIPPING, NO CONSTRUCTION OBSERVED.	2150N 08440W 0587		6	4X
LA ZONA, FORT SAN FERNANDO .5 NM NW OF LA ZONA.	2258N 08309W 0587		51A	4

25X11A





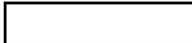
SAN ANTONIO DE LOS INDIOS, POL	2144N 08302W 0587	52A	5C
PINAR DEL RIO POWER PLANT JUST S OF PINAR DEL RIO.	2224N 08342W 0587	32B	6
PINA DEL RIO, U/I LIGHT INDUSTRY 1 NM NNE OF PINAR DEL RIO. PLANT HAS FOUR SAW-TOOTH-ROOFED BLDGS, ONE WAREHOUSE, AND OPEN STORAGE.	2226N 08341W 0587	32C	6Q
MESTANZA AREA, MINING ACTIVITY 12 NM NW PINAR DEL RIO. MINING ACTIVITY LOCATED AT THE FOLLOWING COORDINATES - 2228N 08351W, AND 2226N 08351W.	2227N 08347W 0587	27	6A
LA FRANCIA SUGAR MILL	2231N 08313W 0587	19A	6J
MINAS DE MATAHAMBRE, COPPER MINES AND MILL	2235N 08356W 0587	26	6J
MINAS DE MATAHAMBRE, U/I ORE PROCESSING 3 ORE-PROCESSING BUILDINGS.	2235N 08357W 0587	26B	6J
MINAS DE MATAHAMBRE, MONO PYRITES MINE 2 NM NE OF MINAS DE MATAHAMBRE.	2236N 08355W 0587	28	6A
MORA BARITE MINE CANNOT BE LOCATED.	2237N 08353W 0587	29	6A
MINAS DE MATAHAMBRE AREA, MINING ACTIVITY 9 NM NE OF MINAS DE MATAHAMBRE.	2238N 08347W 0587	26C	6
SANTA LUCIA, U/I INDUSTRY AT NW EDGE OF TOWN. INDUSTRY PROBABLY ASSOCIATED WITH COPPER MINES AND MILL LOCATED 7 NM S OF SANTA LUCIA PORT. INSTALLATION HAS 5 LARGE BLDGS, STACK, AND NUMEROUS ASSOCIATED SMALL BLDGS.	2240N 08358W 0587	37B	6
SAN CRISTOBAL SUGAR MILL 2.5 NM SE OF SAN CRISTOBAL.	2241N 08301W 0587	41	6J



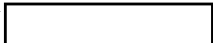
NIAGARA SUGAR MILL	2249N 08331W 0587	30	6J
BUENAVISTA, CARBONERA COPPER MINE & MILL NOT LOCATED IN THIS AREA.	2254N 08310W 0587	5	6J
BAHIA HONDA SUGAR MILL	2255N 08312W 0587	3C	6J
OROZCO SUGAR MILL	2258N 08302W 0587	31	6J
LA ARGENTIFERA LEAD-ZINC MINE AND SMELTER	2209N 08401W 0587	15	6A
LOS CIEGOS COPPER MINE (ABANDONED)	2218N 08422W 0587	24	6A
LOS ARROYOS IRON ORE MINE MINE NOT LOCATED.	2221N 08422W 0587	22	6A
DORA COPPER MINE AND MILL	2223N 08406W 0587	12	6J
SAN FRANCISCO COPPER MINE AND MILL	2227N 08402W 0587	35	6J
SANTA LUCIA, POWER PLANT	2240N 08358W 0587	37C	7
EL CAYUCO URBAN COMPLEX	2159N 08413W 0587	8A	8
PUNTA DE CARTAS PORT FACILITIES	2210N 08350W 0587	43	8
LA COLOMA PORT FACILITIES	2214N 08334W 0587	16B	8
PINAR DEL RIO URBAN COMPLEX	2225N 08343W 0587	32D	8
SANTA LUCIA PORT FACILITIES	2240N 08358W 0587	37A	8
SEBORUCO URBAN COMPLEX NO MILITARY ACTIVITY OBSERVED IN THIS AREA.	2242N 08322W 0587	38	8
LA ESPERANZA PORT FACILITIES	2246N 08344W 0587	17	8
VERRACOS PORT ONE LONG OFFSHORE PIER AND 4 BOATS.	2247N 08338W 0587	40A	8



PAJARITO PORT .5 NM N OF PAJARITO. FOUR PIERS AND 25 BLDGS. ONE BOAT IN THE PORT.	2249N 08335W 0587	47	8
BAHIA HONDA PORT FACILITIES	2255N 08311W 0587	38	8
BAHIA HONDA URBAN COMPLEX	2255N 08312W 0587	3	8
MORRILLO PORT FACILITIES PORT HAS 10 PIERS. 22 BOATS OBSERVED. LA ALTURA, .8 NM NE, HAS ONE PIER.	2256N 08318W 0587	48	8
LA ZONA PORT WHARF AND PORTAL CRANE. ORE SHIP OBSERVED LOADING/UNLOADING.	2258N 08308W 0587	51	8
LA CAOBA PORT 2 NM NE OF LA CAOBA. WHARVES, PORTAL CRANE, CONVEYER LOADER, TWO BOATS, ONE IN THE WATER AND ONE OUT OF THE WATER.	2258N 08310W 0587	50	8
LA FE PORT FACILITIES	2202N 08416W 0587	18A	8
CORTES PORT FACILITIES	2203N 08400W 0587	7	8
MANTUA URBAN COMPLEX NO ESTABLISHED MILITARY CAMP NOTED IN AREA.	2217N 08417W 0587	25	8
LOS ARROYOS PORT FACILITIES 17 SMALL SHIPS ARE IN THE HARBOR AND 9 OTHER VESSELS ARE IN AN INLET .4 NM NE OF THE PIERS.	2222N 08422W 0587	22A	8
DIMAS PORT FACILITY ONE LONG PIER AND ONE SHORT PIER. SEVEN SMALL BOATS. ROAD SERVED.	2229N 08414W 0587	42	8
RIO DE MEDIO, PORT FACILITIES	2237N 08405W 0587	53	8



VINALES AREA, POSSIBLE MINING	2237N 08342W 0587	55	0
GOBERNADORA POINT LIGHTHOUSE	2259N 08313W 0587	49	0
SAN FRANCISCO AREA, U/I CONSTRUCTION 2.4 NM NNW OF SAN FRANCISCO COPPER MINE.	2229N 08403W 0587	35A	0



25X1A

LEeward POINT AFLD 2 NM W OF GUANTANAMO NAVAL BASE. 8,000 X 200 FT E/W CONCRETE RUNWAY. AIRCRAFT—1 POSSIBLE P2V, 14 PROBABLE F8U, 2 POSSIBLE FJ, 3 U/I SINGLE ENGINE.	1954N 07512W		5	3
GUANTANAMO BAY NAVAL AIR STATION	1955N 07510W		4	3
GUANTANAMO, MC CALLA FIELD 4,850 X 300 FT N/S ASPHALT RUNWAY. 1,900 X 200 FT E/W ASPHALT RUNWAY. AIRCRAFT—ONE DOUGLAS AD, 4 CONVAIR R4Y, ONE POSS AIRCRAFT.	1955N 07510W		4A	3
SANTIAGO DE CUBA AREA, ANTONIO MACEO AFLD 3.4 NM SSW OF SANTIAGO DE CUBA. 7,000 X 200 FT E/W BLACKTOP RUNWAY. 4,900 X 150 FT N/S BLACKTOP RUNWAY. THE N/S RUNWAY HAS BEEN COMPLETED, NEW HANGAR PRESENT. AIRCRAFT—1 POSSIBLE DC-3, 1 POSSIBLE C-45, 2 POSSIBLE L-20, 1 POSSIBLE PIPER CUB.	1958N 07550W		9	3
DAIQUIRI BEACH DEFENSES NONE OBSERVED.	1956N 07538W	0647	3B	4B
SIBONEY BEACH DEFENSES NONE OBSERVED.	1958N 07543W	0647	11	4B
BOQUERON POL STORAGE 1 NM SE OF CAIMANERA. ONE LARGE POL TANK.	1958N 07509W	0647	2	5C
BOQUERON POL STORAGE 1.5 NM ESE OF CAIMANERA. 2 TANKS REMOVED, BUT 2 NEW TANKS ADDED, ADDITIONAL BLDGS.	1959N 07507W	0647	2A	5C
CAIMANERA AREA, POL STORAGE 1 NM SSE OF CAIMANERA.	1959N 07509W	0647	15	5C
PILON AREA, CABO CRUZ SUGAR MILL	1954N 07720W	0647	6A	6J



SANTIAGO DE CUBA CEMENT PLANT 1.9 NM SW OF SANTIAGO DE CUBA. INSTALLATION INCLUDES LIMESTONE QUARRIES, NUMEROUS BLDGS, AND ALONGSHORE WHARF FOR SHIPS.	2000N 07551W 0647	10	6J
DAIQUIRI PORT FACILITIES ONE PIER AND SHORT LANDING BEACH.	1955N 07539W 0647	3A	8
PILON PORT FACILITIES	1954N 07719W 0647	6B	8