

ACIC REFERENCE PUBLICATION NO. 25

WORLD RELATIVE GRAVITY
REFERENCE NETWORK
WEST INDIES, CENTRAL AMERICA,
SOUTH AMERICA, ANTARCTICA
AND ATLANTIC OCEAN

OCTOBER, 1972



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United States Air Force
Aeronautical Chart and Information Center
St. Louis, Missouri 63118

8. West Indies

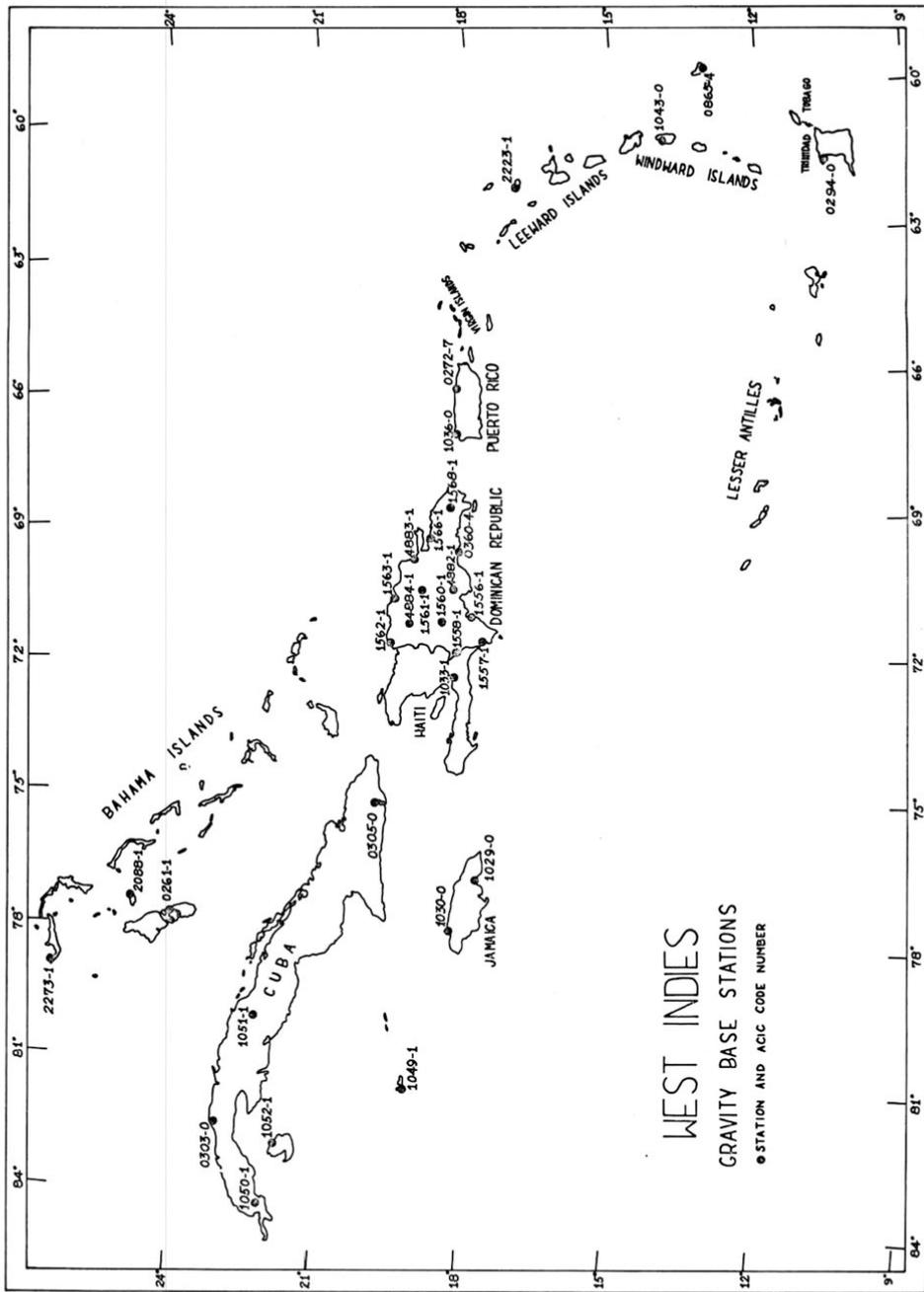
8.1 Introduction

The West Indies area for this publication will consist of: Bahama Islands, Barbados, Cuba, Dominican Republic, Haiti, Jamaica, Leeward Islands, Netherland Antilles, Puerto Rico, Trinidad and Tobago, Turks and Caicos Islands, and the Windward Islands.

The adopted gravity values and estimated accuracies are relative to Potsdam ($g = 981\,274$ mgals) and the scale was set by an interval of 1228.48 mgals on the American Calibration Line between Houston A and Great Falls A.

8.2 Gravity Base Stations

West Indies



CROSS REFERENCE LIST
BAHAMA ISLANDS

STATION DESIGNATION	ACIC REF NO
MANGROVE CAY	0261-1
MASSAU	2088-1
SETTLEMENT POINT	2273-1

CROSS REFERENCE LIST
CUBA

STATION DESIGNATION	ACIC REF NO
QUANTANAMO	0305-0
HAVANA	0303-0
ISLE OF PINES	1052-1
SAN JULIAN	1050-1
SANTA CLARA	1051-1

CROSS REFERENCE LIST
DOMINICAN REPUBLIC

STATION DESIGNATION	ACIC REF NO
BARAHONA	1556-1
CABO ROJO	1557-1
HIGUEY	1568-1
JIMANI	1558-1
LA VEGA	1561-1
MONCION	4884-1
MONTE CRISTI	1562-1
MAGUA	4883-1
PUERTO PLATA	1563-1
SABANA DE LA MAR	1566-1
SAN JOSE DE OCOA	4882-1
SAN JUAN	1560-1
SANTO DOMINGO	0360-4

CROSS REFERENCE LIST
HAITI

STATION DESIGNATION	ACIC REF NO
PORT AU PRINCE	1033-1

CROSS REFERENCE LIST
JAMAICA

STATION DESIGNATION	ACIC REF NO
GRAND CAYMAN IS.	1049-1
KINGSTON	1029-0
MONTEGO BAY	1030-0

CROSS REFERENCE LIST
LEEWARD ISLANDS

STATION DESIGNATION	ACIC REF NO
ANTIGUA	2223-1

CROSS REFERENCE LIST
PUERTO RICO

STATION DESIGNATION	ACIC REF NO
PAMEY	1036-0
SAN JUAN	0272-7

CROSS REFERENCE LIST
TRINIDAD AND TOBAGO

STATION DESIGNATION	ACIC REF NO
PORT OF SPAIN	0294-0

CROSS REFERENCE LIST
WINDWARD ISLANDS

STATION DESIGNATION	ACIC REF NO
BARBADOS	0865-4
ST. LUCIA	1043-0

GRAVITY BASE STATION

LATITUDE	24° 16.0'N	(1)	STATION DESIGNATION	
LONGITUDE	77° 40.5'W	(1)	MANGROVE CAY	
ELEVATION	1.5	METERS (1)	COUNTRY/STATE	
			Bahama Islands	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0261-1			g = 978 946.0 mgals	
			ESTIMATED ACCURACY	DATE
			± 3.0 mgals	MONTH/YEAR
				9/67

DESCRIPTION AND/OR SKETCH

Station is located at a settlement known as Mangrove Cay (Andros Island), 39 meters (128 ft) from shore, on yard of boat building house belonging to Commissioner Forsythe. (1)

REFERENCE SOURCE

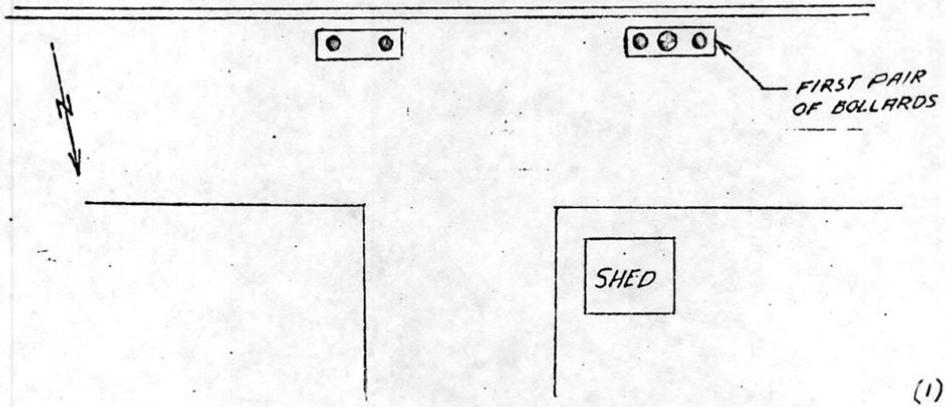
(1) 00909

GRAVITY BASE STATION

LATITUDE <div style="text-align: center;">18° 27.8'N (1)</div>	STATION DESIGNATION <div style="text-align: center;">SAN JUAN</div>
LONGITUDE <div style="text-align: center;">66° 05.5'W (1)</div>	
ELEVATION <div style="text-align: center;">1.2 METERS (1)</div>	COUNTRY/STATE <div style="text-align: center;">Puerto Rico</div>
REFERENCE CODE NUMBERS	ADOPTED GRAVITY VALUE
ACIC 0272-7 NHO 63.09	g = 978 680.69 mgals
	ESTIMATED ACCURACY ± 0.2 mgals
	DATE MONTH/YEAR 7/70

DESCRIPTION AND/OR SKETCH

Station located midway between bollards of first bollard-pier to right of "T-Junction" of Army Pier and road leading to it from Fernandez Juncos Road in Old San Juan. (1)



REFERENCE SOURCE

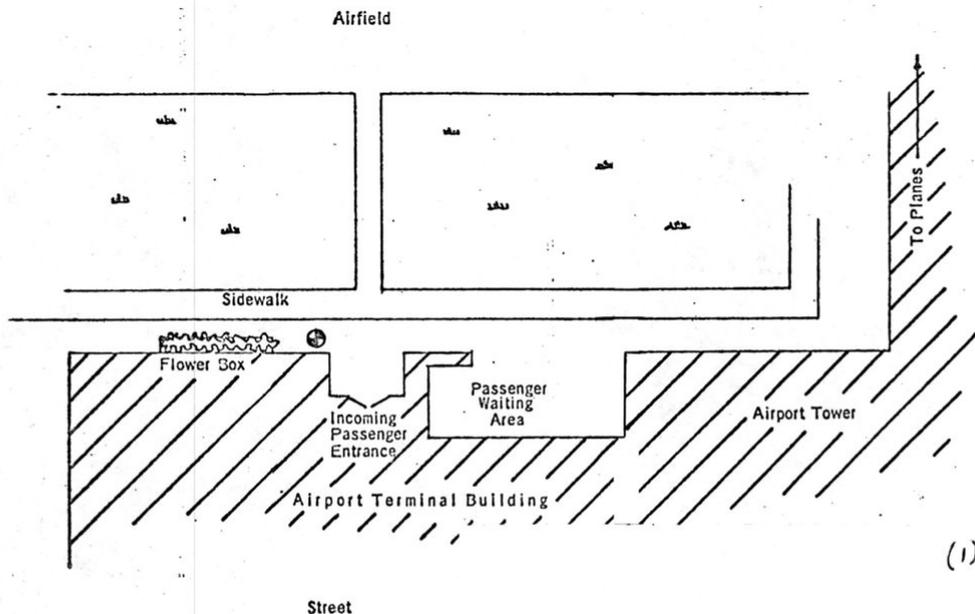
(1) 02632

GRAVITY BASE STATION

LATITUDE	10° 35.8'N	(1)	STATION DESIGNATION PORT OF SPAIN	
LONGITUDE	61° 20.8'W	(1)		
ELEVATION	17	METERS (1)	COUNTRY/STATE Trinidad	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0294-0			g = 978 160.40 mgals	
IGB 04301J				
NHO 45.00				
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR 2/68

DESCRIPTION AND/OR SKETCH

The gravity station is at the new Piarco International Airport, approximately 16 miles east of Port of Spain. Station is at the incoming passenger entrance 22 ft west of the VIP entrance, at the corner of a flower box, on a concrete surface and is monumented with a standard "I.A.G.S." metal disk. (1)



REFERENCE SOURCE

(1) 02752

12

GRAVITY BASE STATION

LATITUDE	23° 06'N	(1)	STATION DESIGNATION	
LONGITUDE	82° 28'W	(1)	HAVANA	
ELEVATION			COUNTRY/STATE	
	METERS		Cuba	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0303-0			$g =$	978 849.57 mgals
			ESTIMATED ACCURACY	DATE
			± 0.5 mgals	MONTH/YEAR
				2/70

DESCRIPTION AND/OR SKETCH

Station is located near metropolitan Havana, at the La Libertad Airport, at the entrance to the commercial passenger terminal from the airplane parking ramp, south of the nearby control tower (not the principal one at the airport), on a small concrete slab between the two sloping ramps which form the entrance. (1)

REFERENCE SOURCE

(1) 02003

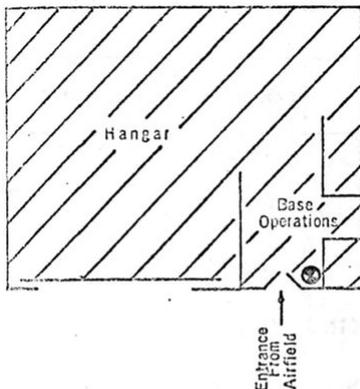
GRAVITY BASE STATION

LATITUDE <div style="text-align: right; padding-right: 20px;">19° 54'N (1)</div>	STATION DESIGNATION <div style="text-align: center; padding-top: 5px;">GUANTANAMO</div>	
LONGITUDE <div style="text-align: right; padding-right: 20px;">75° 12'W (1)</div>		
ELEVATION <div style="text-align: right; padding-right: 20px;">14 METERS (1)</div>	COUNTRY/STATE <div style="text-align: center; padding-top: 5px;">Cuba/Oriente</div>	
REFERENCE CODE NUMBERS	ADOPTED GRAVITY VALUE	
ACIC 0305-0 IGB 04495J	g = 978 745.57 mgals	
	ESTIMATED ACCURACY ± 0.2 mgals	DATE MONTH/YEAR 2/68

DESCRIPTION AND/OR SKETCH

The gravity station is in Cuba, at the Guantanamo Naval Air Station Leeward Point Field Base Operations waiting room. The waiting room is in the southeast corner of the large hangar building. Station is inside the field entrance to operations, in a corner, two meters east of the doors, on a tile floor. Station is monumented with a bronze disk inscribed "GRAVITY CALIBRATION BASE".

(1)



(1)

REFERENCE SOURCE

(1) 02752

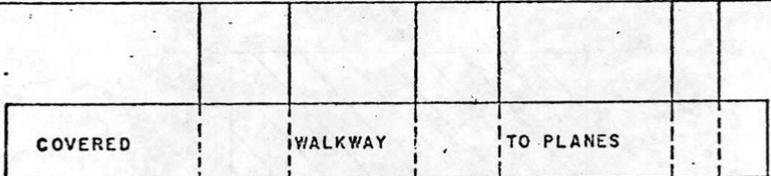
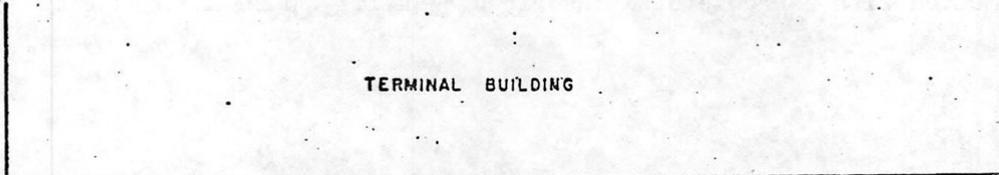
14

GRAVITY BASE STATION

LATITUDE	18° 25.75'N (1)	STATION DESIGNATION	
LONGITUDE	69° 40.6'W (1)	SANTO DOMINGO	
ELEVATION	METERS	COUNTRY/STATE	
		Dominican Republic	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 0360-4		g = 978 640.10 mgals	
		ESTIMATED ACCURACY	DATE
		+ 0.2 mgals	MONTH/YEAR
			April 1972

DESCRIPTION AND/OR SKETCH

Station is located at the new terminal building of the "Aeropuerto de las Americas", on the runway side, grouted into the concrete aircraft parking ramp, south of the entrance to customs. The mark is a standard IAGS 6 cm disk stamped: Gravedad Red Ref. 1969. (1)

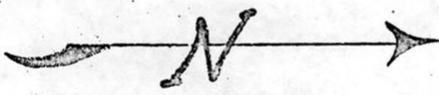


ENTRANCE TO
"IN TRANSIT"
PASSENGER LOUNGE

GRAVITY
STATION

ENTRANCE TO
CUSTOMS

AIRCRAFT PARKING RAMP



REFERENCE SOURCE

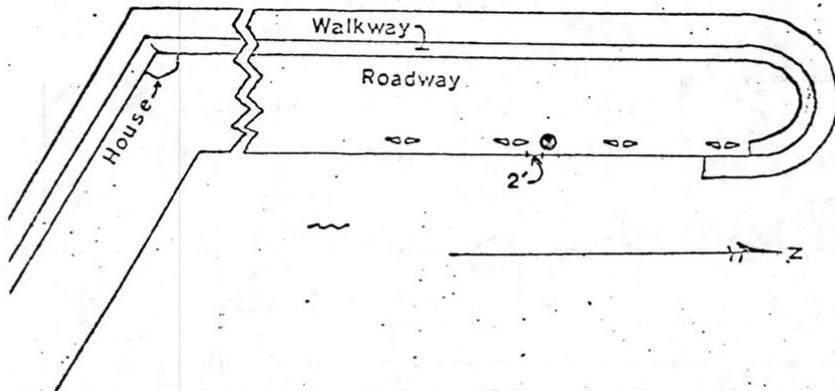
(1) 03758

GRAVITY BASE STATION

LATITUDE 13° 06.4'N (1)	STATION DESIGNATION BARBADOS	
LONGITUDE 59° 37.9'W (1)		
ELEVATION 2.7 METERS (1)	COUNTRY/STATE Barbados	
REFERENCE CODE NUMBERS ACIC 0865-4		ADOPTED GRAVITY VALUE g = 978 294.44 mgals
		ESTIMATED ACCURACY ± 0.5 mgals
		DATE MONTH/YEAR 2/72

DESCRIPTION AND/OR SKETCH

Station is located on Deep Water Pier, two feet north of third cleat from the northern end of the pier. (1)



REFERENCE SOURCE

(1) 02632

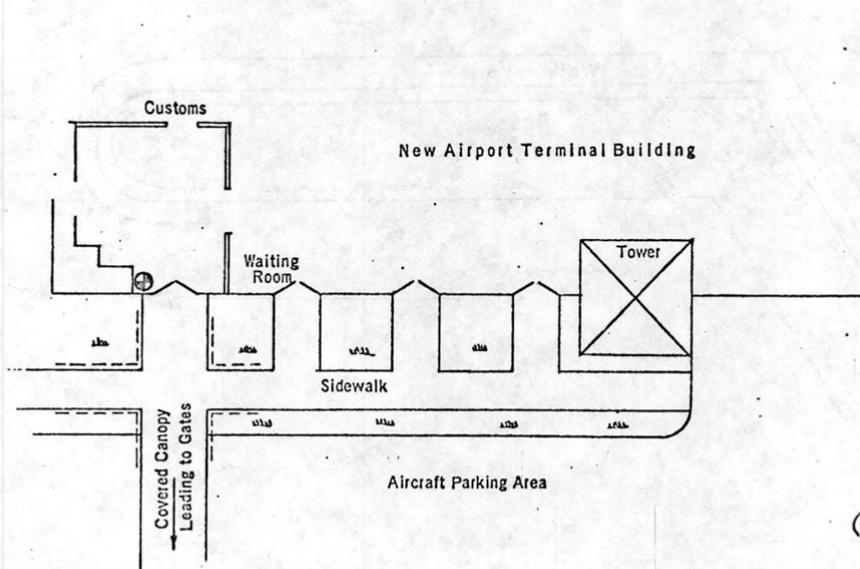
GRAVITY BASE STATION

LATITUDE	17° 56'N	(1)	STATION DESIGNATION	
LONGITUDE	76° 45'W	(1)	KINGSTON	
ELEVATION	3	METERS (1)	COUNTRY/STATE	
			Jamaica	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1029-0			g = 978 597.42 mgals	
IGB 04476J				
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				9/70

DESCRIPTION AND/OR SKETCH

The gravity station is in Kingston at the Palisadaes International Airport, inside the terminal building. Station is three meters northwest of the main incoming passenger entrance, in the southwest corner of the room, on a terrazzo floor. The entrance is on the field side of the terminal and has a canopy leading south to passenger gates. Station is monumented with a bronze disk inscribed "GRAVITY CALIBRATION BASE".

(1)



(1)

REFERENCE SOURCE

(1) 02752

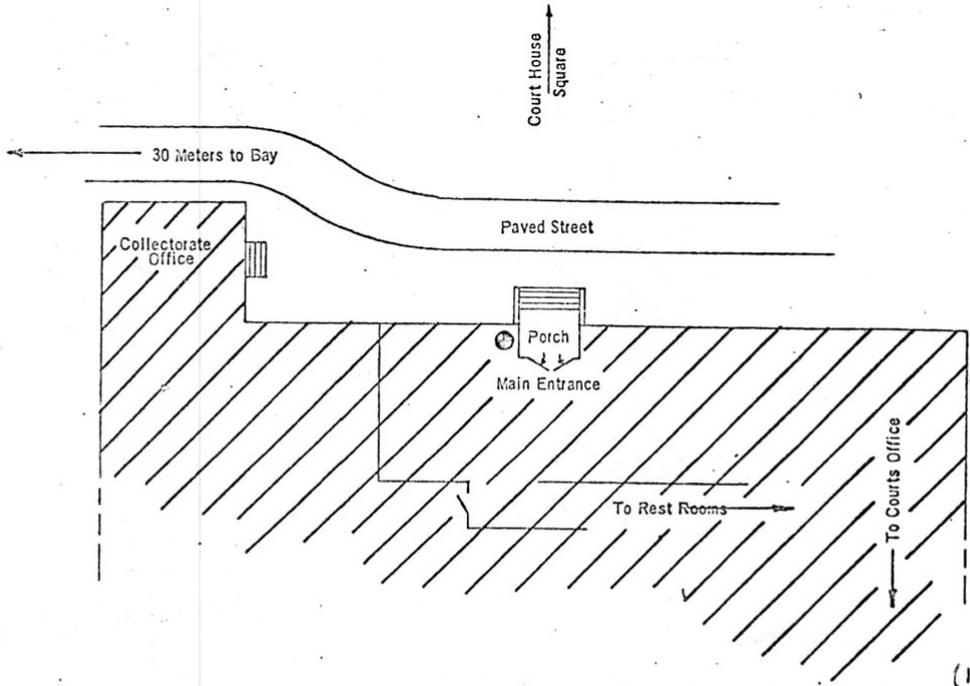
GRAVITY BASE STATION

LATITUDE		18° 30'N	(1)	STATION DESIGNATION		MONTEGO BAY	
LONGITUDE		77° 53'W	(1)				
ELEVATION		3	METERS (1)	COUNTRY/STATE			
				Jamaica			
REFERENCE CODE NUMBERS				ADOPTED GRAVITY VALUE			
ACIC 1030-0				g =		978 673.86	
IGB 04487A				mgals			
				ESTIMATED ACCURACY		DATE	
				± 0.2 mgals		MONTH/YEAR	
				7/70			

DESCRIPTION AND/OR SKETCH

The gravity station is in Montego Bay, at the Court House building, in downtown Montego Bay. Court House is located south of the court house square. Station is inside the building, one meter west of the main north entrance, in a corner, on a stone block surface.

(1)



(1)

REFERENCE SOURCE

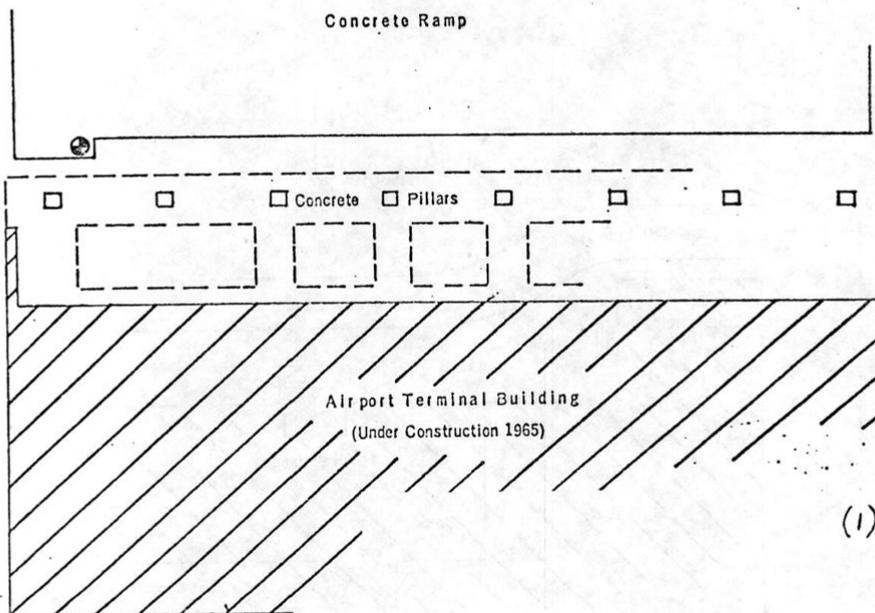
(1) 02752

GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
18° 34'N	(1)	PORT AU PRINCE	
LONGITUDE			
72° 20'W	(1)		
ELEVATION		COUNTRY/STATE	
32	METERS (1)	Haiti/Ouest	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 1033-1		g = 978 594.52 mgals	
IGB 04482K			
		ESTIMATED ACCURACY	DATE
		± 0.2 mgals	MONTH/YEAR
			7/70

DESCRIPTION AND/OR SKETCH

The gravity station is in Port au Prince, at the Mais Gate Jet Terminal (new airport "1965"). Station is near the northwest corner of the building, on the concrete aircraft ramp, two meters north and one meter east of the westernmost of eight large 2 foot by 2 foot concrete pillars. Station is not monumented. (1)



REFERENCE SOURCE

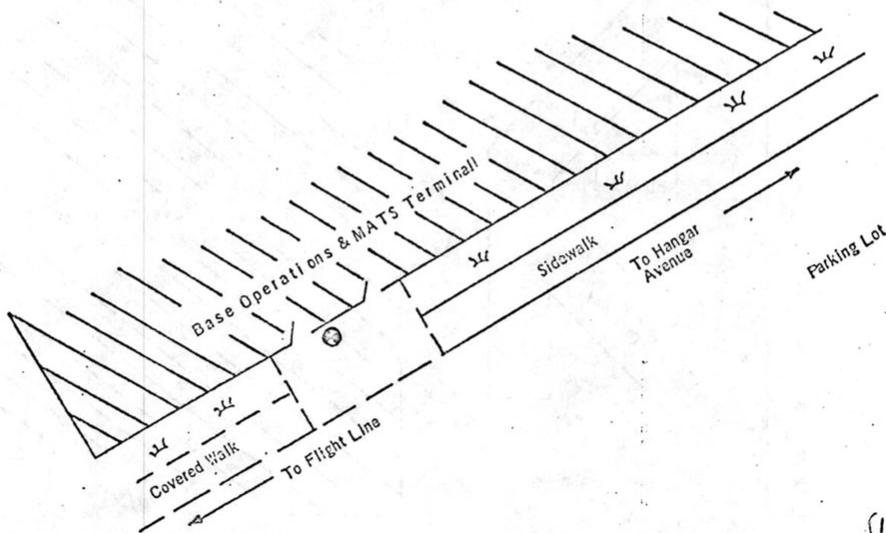
(1) 02752

GRAVITY BASE STATION

LATITUDE	18° 30'N	(1)	STATION DESIGNATION	
LONGITUDE	67° 08'W	(1)	RAMEY AFB	
ELEVATION	72	METERS (1)	COUNTRY/STATE	
			Puerto Rico	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1036-0			g = 978 ⁶ 658.80 mgals	
IGB 04387J				
WA 4015				
			ESTIMATED ACCURACY	DATE
			+ 0.2 mgals	MONTH/YEAR
				7/70

DESCRIPTION AND/OR SKETCH

Observations were made at Ramey AFB, Puerto Rico, at the main entrance of base operations, under the covered walkway, between the main doors, on concrete surface, next to the wall. Station is monumented with a bronze disk inscribed "USAF Gravity Station - Ramey OPS". (1)



REFERENCE SOURCE

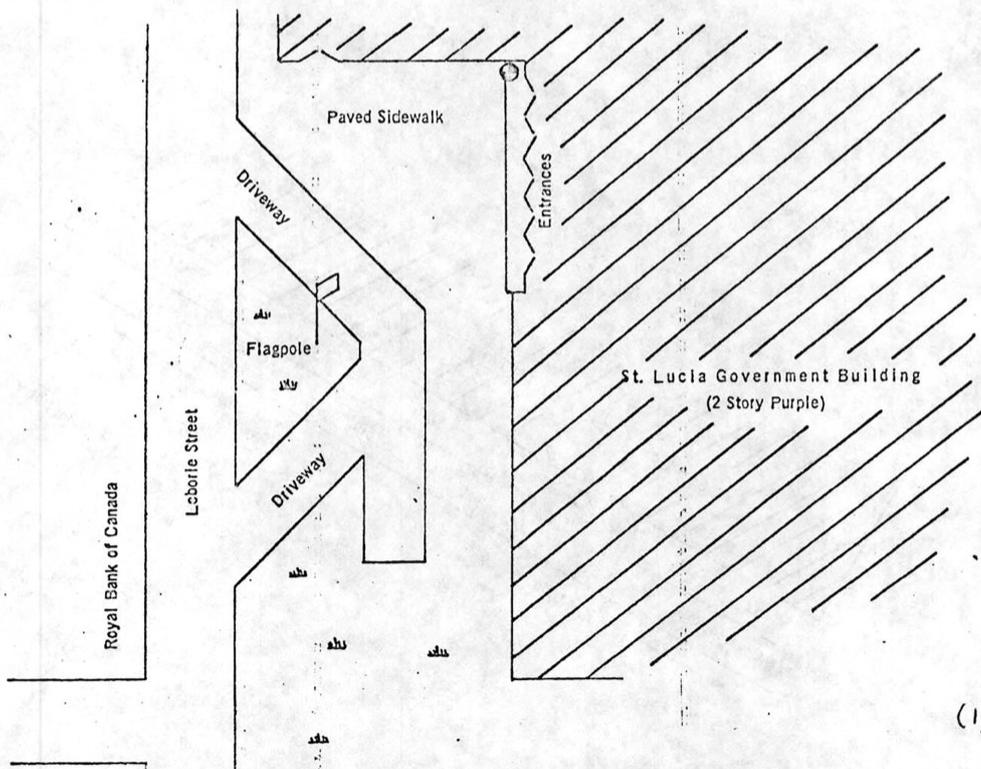
(1) 02752

GRAVITY BASE STATION

LATITUDE	14° 01'N	(1)	STATION DESIGNATION	
LONGITUDE	61° 02'W	(1)	ST LUCIA	
ELEVATION	8	METERS (1)	COUNTRY/STATE	
			St Lucia	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1043-0			g = 978 527.73 mgals	
IGB 04341B				
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				9/70

DESCRIPTION AND/OR SKETCH

The gravity station is on the island of St Lucia, at the Government Building in the city of Castries (Capital City). Building is on Leborie Street. Station is one meter north of the doors to the main entrance, in a corner, on a concrete step, outside the building. Station is approximately 13 meters north and 8 meters east of a flag pole. (1)



REFERENCE SOURCE

(1) 02752

GRAVITY BASE STATION

LATITUDE	19° 18'N	(1)	STATION DESIGNATION	
LONGITUDE	81° 23'W	(1)	GRAND CAYMAN IS	
ELEVATION	METERS		COUNTRY/STATE	
			British West Indies	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1049-1			g = 978 755.47 mgals	
IGB 04591J				
NHO 70.04				
			ESTIMATED ACCURACY	DATE
			± 0.4 mgals	MONTH/YEAR
				3/70

DESCRIPTION AND/OR SKETCH

Station is located near the town of Georgetown, on Grand Cayman Island, in the Owen Roberts Field Airport, in front of the terminal building, below the control tower, on a small concrete slab in front of the door leading from the airplane parking ramp to the office of the airport attendant. (1)

REFERENCE SOURCE

(1) 02003

GRAVITY BASE STATION

LATITUDE	22° 05'N	(1)	STATION DESIGNATION	
LONGITUDE	84° 10'W	(1)	SAN JULIAN	
ELEVATION			COUNTRY/STATE	
	METERS		Cuba/Pinar del Rio	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1050-1			g = 978 823.23	mgals
NHO 70.00				
			ESTIMATED ACCURACY	DATE
			± 0.4 mgals	MONTH/YEAR
				12/70

DESCRIPTION AND/OR SKETCH

Station is located at the San Julian Military Airport, approximately 15 meters west of the control tower, in the southeast wall of a concrete box culvert leading from the passenger parking lot to the airplane parking area. Station is marked with an Instituto Cubano de Cartografia y Catastro bronze disc, stamped "Gravidad-1959", and grouted into the concrete. (1)

REFERENCE SOURCE

(1) 02003

GRAVITY BASE STATION

LATITUDE <div style="text-align: right; padding-right: 20px;">22° 26'N (1)</div>	STATION DESIGNATION <div style="text-align: center;">SANTA CLARA</div>	
LONGITUDE <div style="text-align: right; padding-right: 20px;">79° 58'W (1)</div>		
ELEVATION <div style="text-align: right; padding-right: 20px;">METERS</div>	COUNTRY/STATE <div style="text-align: center;">Cuba/Santa Clara</div>	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE
ACIC 1051-1		$g =$ 978 769.55 mgals
NHO 70.01		
		ESTIMATED ACCURACY
		± 0.4 mgals
		DATE
		MONTH/YEAR
		12/70

DESCRIPTION AND/OR SKETCH

Station is located at the Santa Clara Airport, in front of and outside the small airport terminal and office building, on the concrete floor, approximately one meter west of the terminal door from the airstrip. (1)

REFERENCE SOURCE

(1) 02003

GRAVITY BASE STATION

LATITUDE		21° 32'N	(1)	STATION DESIGNATION	
LONGITUDE		82° 52'W	(1)	ISLE OF PINES	
ELEVATION		METERS		COUNTRY/STATE	
				Cuba	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE		
ACIC 1052-1				$g =$	978 789.70
NHO 70.02					
				ESTIMATED ACCURACY	DATE
				± 0.4 mgals	MONTH/YEAR
					12/70

DESCRIPTION AND/OR SKETCH

Station is located at the Siguanea Airport, on a tile floor, at the foot of a short step leading to the main floor of the terminal building, north of the entrance to the terminal building from the airplane parking ramp, approximately one meter from a corner formed by the most western wall of the terminal building and the north (E-W) wall of the entrance alcove. (1)

REFERENCE SOURCE

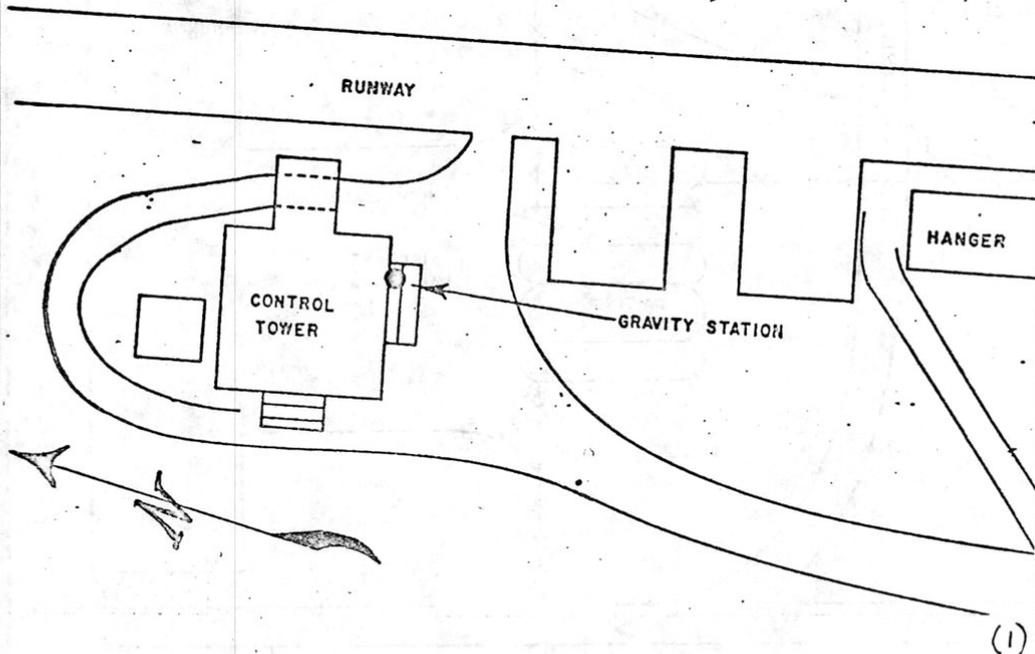
(1) 02003

GRAVITY BASE STATION

LATITUDE		18° 12.75'N (1)		STATION DESIGNATION		BARAHONA	
LONGITUDE		71° 05.9'W (1)					
ELEVATION		METERS		COUNTRY/STATE			
				Dominican Republic			
REFERENCE CODE NUMBERS				ADOPTED GRAVITY VALUE			
ACIC 1556-1				g =		978 593.83 mgals	
				ESTIMATED ACCURACY		DATE	
				± 0.2 mgals		MONTH/YEAR	
						April 1972	

DESCRIPTION AND/OR SKETCH

The station is in the city of Barahona, at the Military Airfield, grouted into the top step of the south entrance to the control tower. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

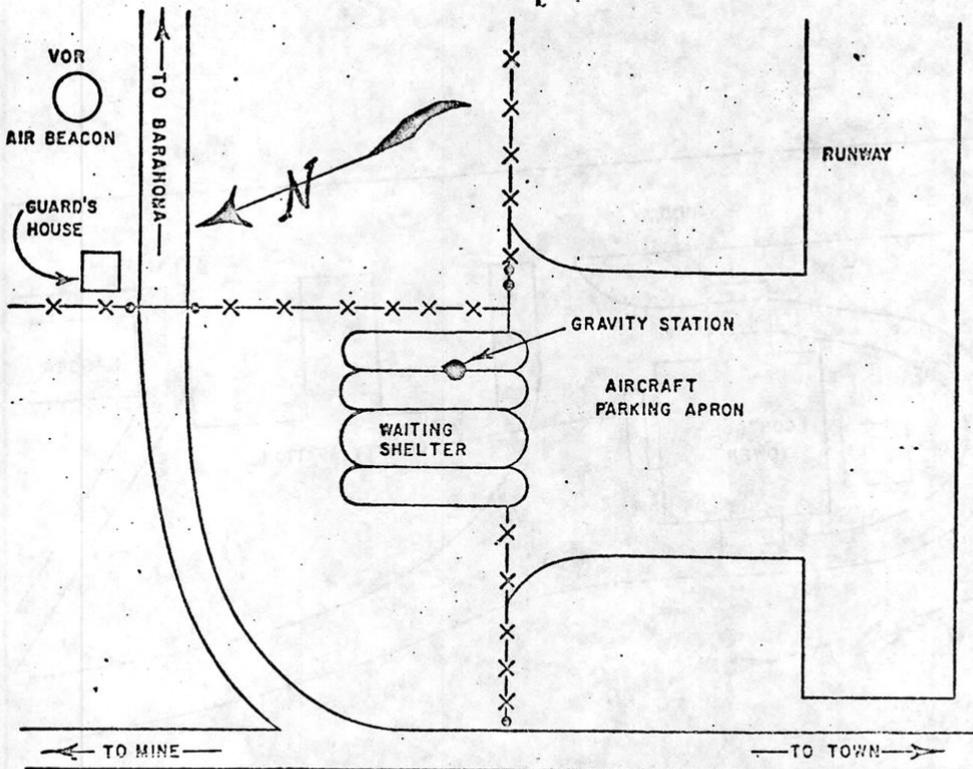
(1) 03758

GRAVITY BASE STATION

LATITUDE 17° 55.8'N (1)		STATION DESIGNATION CABO ROJO	
LONGITUDE 71° 39.1'W (1)		COUNTRY/STATE Dominican Republic	
ELEVATION METERS		ADOPTED GRAVITY VALUE	
REFERENCE CODE NUMBERS ACIC 1557-1		$g =$ 978 622.68 mgals	
		ESTIMATED ACCURACY ± 0.2 mgals	DATE MONTH/YEAR April 1972

DESCRIPTION AND/OR SKETCH

The station is in the town of Cabo Rojo, at the airport, grouted into the concrete floor of the waiting shelter, east of the second pillar that supports the roof. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

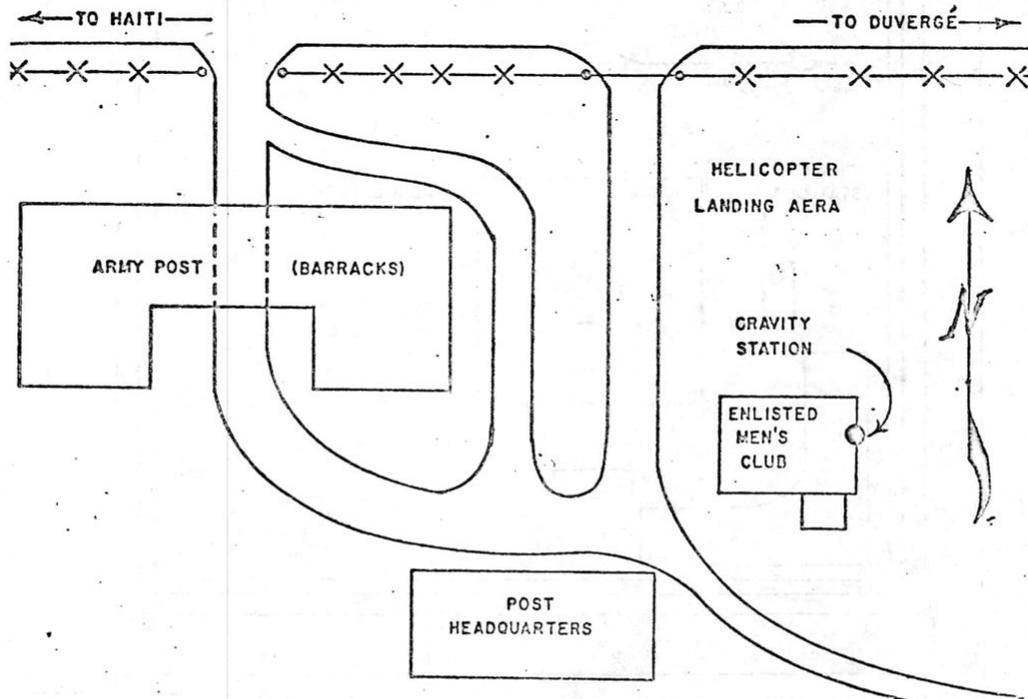
(1) 03758

GRAVITY BASE STATION

LATITUDE	18° 29.55'N	(1)	STATION DESIGNATION	
LONGITUDE	71° 51.25'W	(1)	JIMANI	
ELEVATION			COUNTRY/STATE	
	METERS		Dominican Republic	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1558-1			g = 978 550.55 mgals	
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				April 1972

DESCRIPTION AND/OR SKETCH

The station is in the town of Jimani, at the Army Post, grouted into the floor of the enlisted men's club, at the east entrance. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

(1) 03758

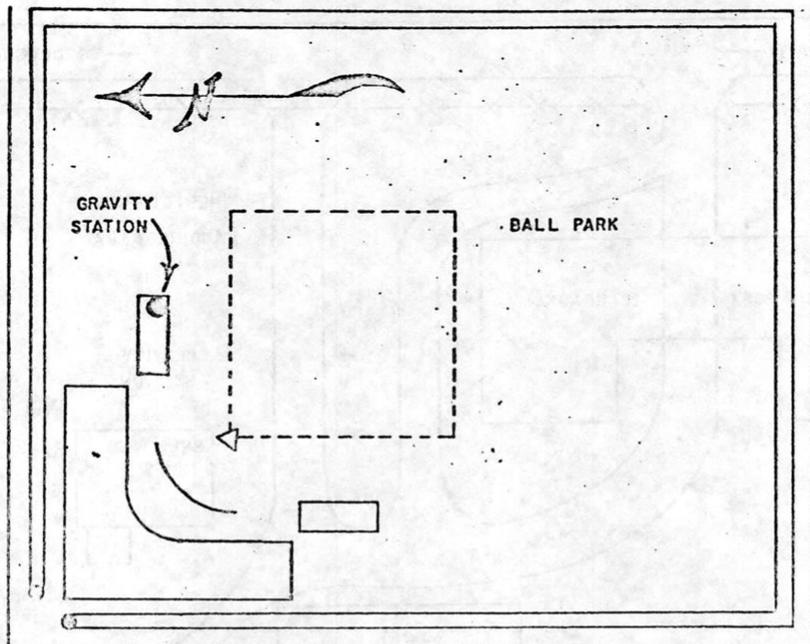
28

GRAVITY BASE STATION

LATITUDE	18° 48.2'N	(1)	STATION DESIGNATION	
LONGITUDE	71° 13.4'W	(1)	SAN JUAN	
ELEVATION			COUNTRY/STATE	
	METERS		Dominican Republic	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1560-1			g = 978 683.58 mgals	
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				April 1972

DESCRIPTION AND/OR SKETCH

The station is in the city of San Juan at the baseball park. The station is on the floor of the easternmost dugout near the entrance steps. Station not marked. (1)



REFERENCE SOURCE

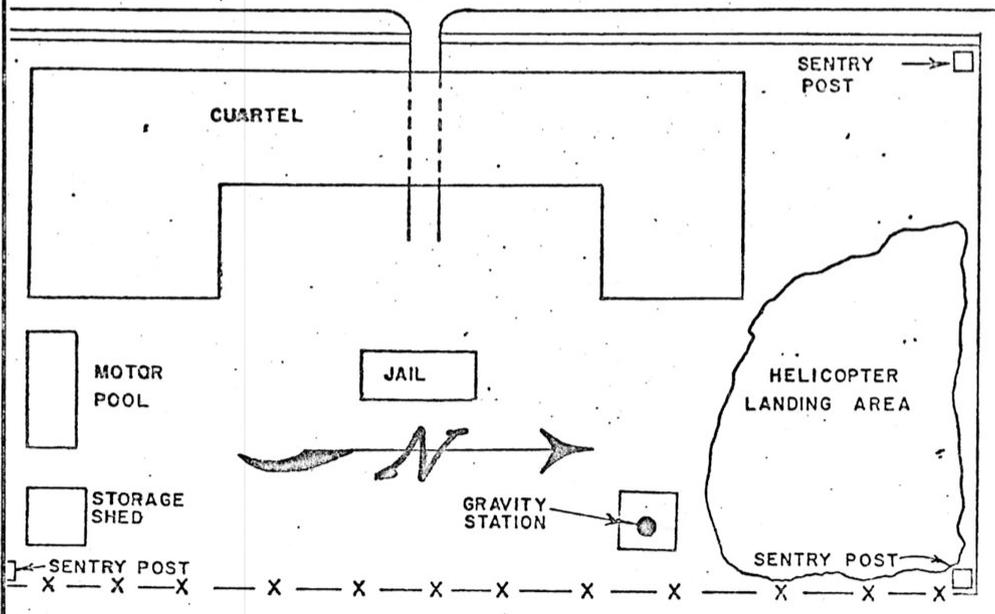
(1) 03758

GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
19° 13.25'N (1)		LA VEGA	
LONGITUDE			
70° 31.25'W (1)		COUNTRY/STATE	
ELEVATION		Dominican Republic	
METERS		ADOPTED GRAVITY VALUE	
REFERENCE CODE NUMBERS		g = 978 613.39 mgals	
ACIC 1561-1			
		ESTIMATED ACCURACY	
		± 0.2 mgals	
		DATE	
		April 1972	

DESCRIPTION AND/OR SKETCH

The station is located in the city of La Vega, inside the Army Post, grouted into the center of a concrete platform south of the helicopter landing area. The station is marked with a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

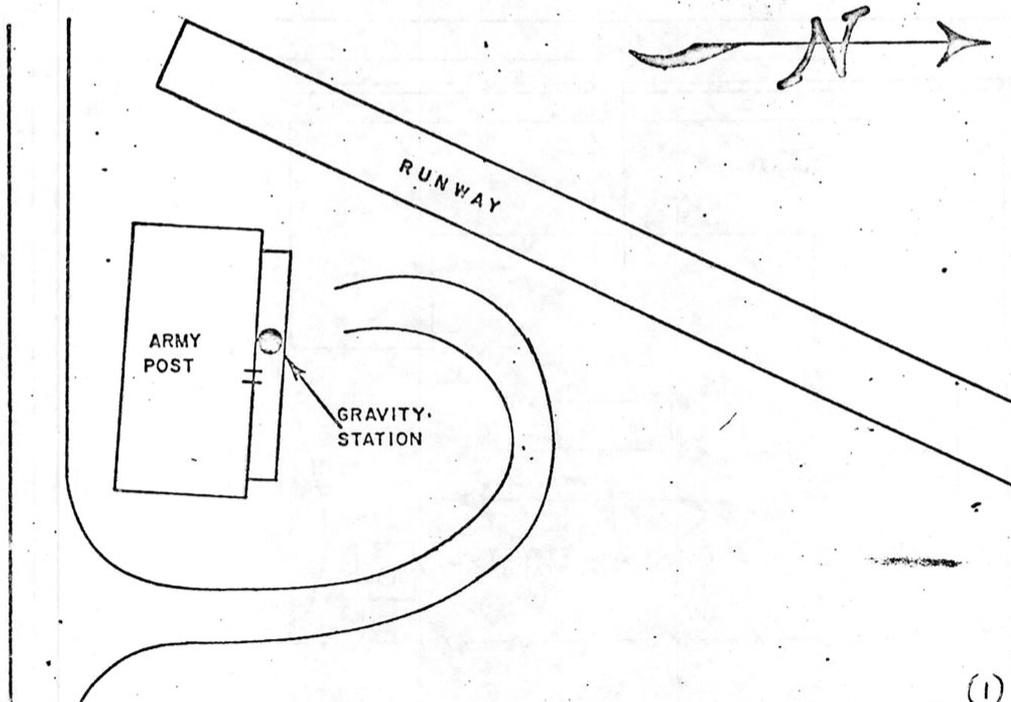
(1) 03758

GRAVITY BASE STATION

LATITUDE	19° 51.75'N	(1)	STATION DESIGNATION	
LONGITUDE	71° 38.81'W	(1)	MONTE CRISTI	
ELEVATION			COUNTRY/STATE	
	METERS		Dominican Republic	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1562-1			g = 978 656.73 mgals	
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				April 1972

DESCRIPTION AND/OR SKETCH

The station is in the city of Monte Cristi, at the airport, grouted into the sidewalk in front of the Army post. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

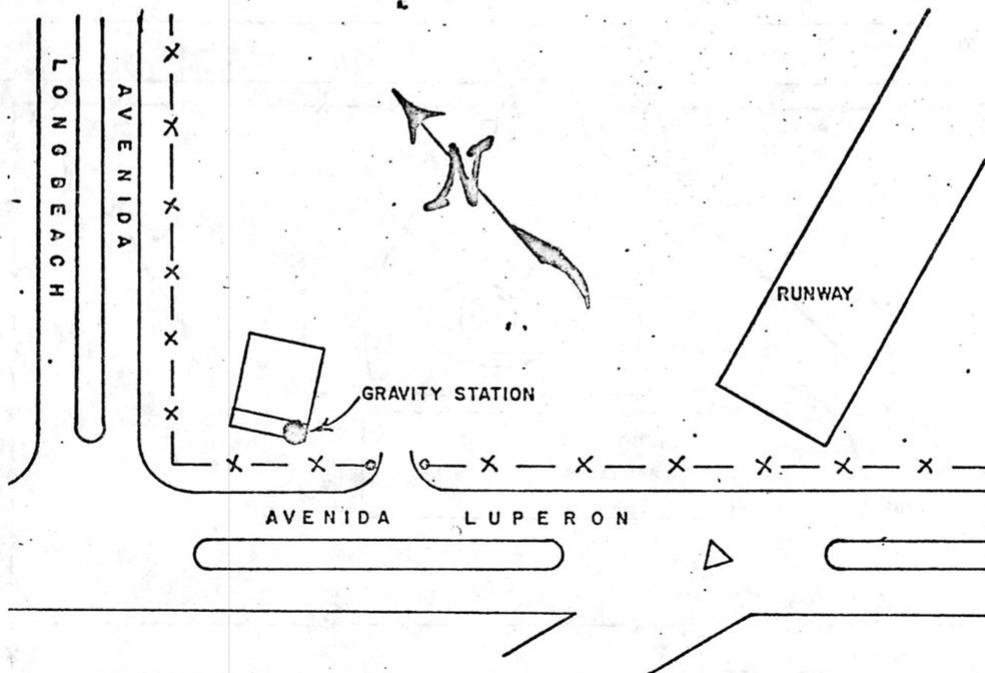
(1) 03758

GRAVITY BASE STATION

LATITUDE	19° 46.3'N	(1)	STATION DESIGNATION	
LONGITUDE	70° 40.24'W	(1)	PUERTO PLATA	
ELEVATION			COUNTRY/STATE	
	METERS		Dominican Republic	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1563-1			g = 978 624.86 mgals	
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				April 1972

DESCRIPTION AND/OR SKETCH

The station is in the city of Puerto Plata, at the airport, grouted into the southwest corner of porch of the Army post. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



(1)

REFERENCE SOURCE

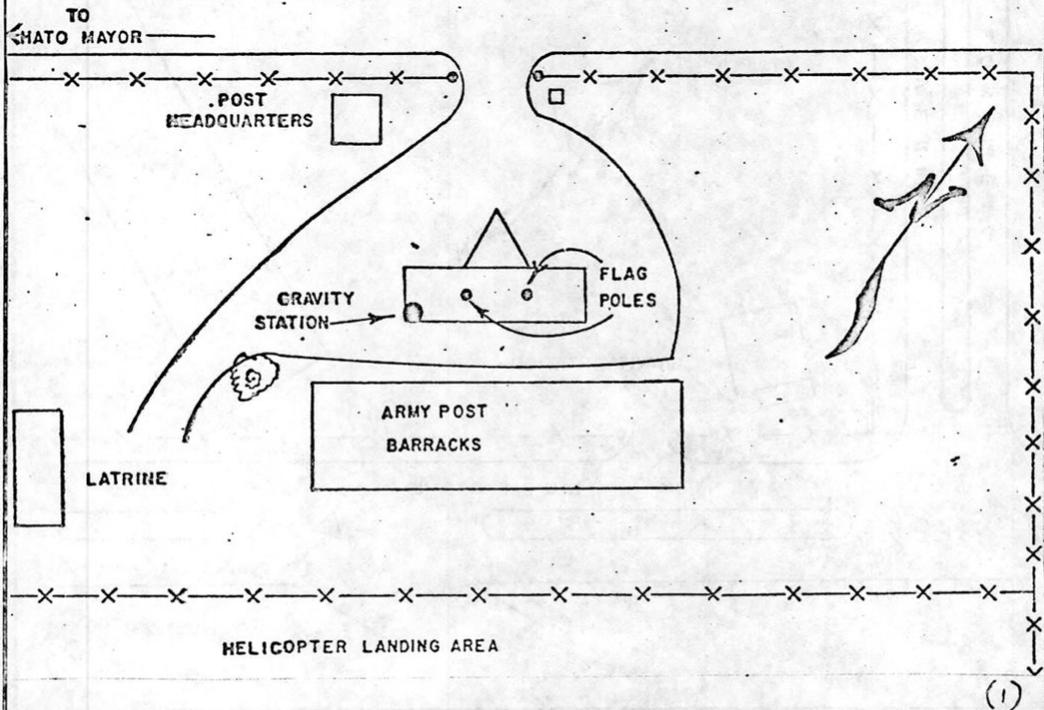
(1) 03758

GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
19° 03.45'N (1)		SABANA DE LA MAR	
LONGITUDE			
69° 23.45'W (1)		COUNTRY/STATE	
ELEVATION METERS		Dominican Republic	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 1566-1		$g = 978\ 661.55$ mgals	
		ESTIMATED ACCURACY	DATE
		± 0.2 mgals	MONTH/YEAR April 1972

DESCRIPTION AND/OR SKETCH

The station is in the town of Sabana de la Mar, at the Army post, grouted into the southwest corner of the base of the flagpoles. The station is marked with a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

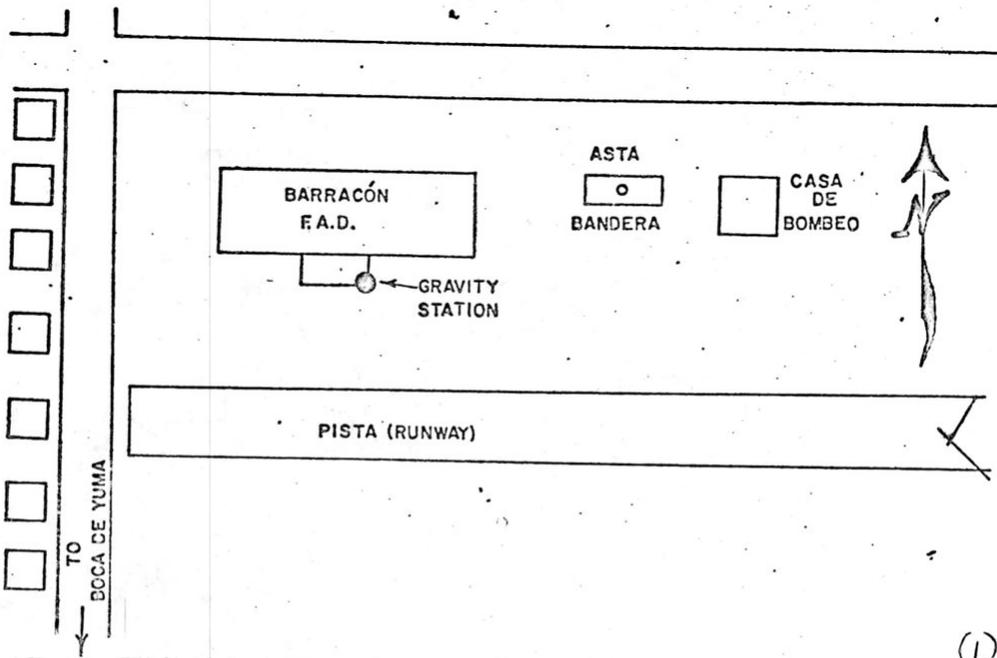
(1) 03758

GRAVITY BASE STATION

LATITUDE	18° 36.5'N	(1)	STATION DESIGNATION HIGUEY	
LONGITUDE	68° 42.8'W	(1)		
ELEVATION				
METERS			COUNTRY/STATE	
			Dominican Republic	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1568-1			g = 978 632.90 mgals	
			ESTIMATED ACCURACY	DATE
			± 0.2 mgals	MONTH/YEAR
				April 1972

DESCRIPTION AND/OR SKETCH

The station is located in the town of Higuey, at the airport, grouted into the southeast corner of entrance to the Fuerza Aerea Dominicana Barracks. The station is marked by a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

(1) 03758

GRAVITY BASE STATION

LATITUDE	25° 04.75'N (1)	STATION DESIGNATION	
LONGITUDE	77° 20.44'W (1)	NASSAU	
ELEVATION	0.0 METERS (1)	COUNTRY/STATE	
		Bahamas	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 2088-1		g = 979 027.1 mgals	
NHO 83.02			
		ESTIMATED ACCURACY	DATE
		± 1.0 mgals	MONTH/YEAR
			10/70

DESCRIPTION AND/OR SKETCH

Station is located on north side of Prince George Wharf, about 2 meters west of the fourth bollard from the northeast corner and 1 foot from the edge. (1)

(1)

REFERENCE SOURCE

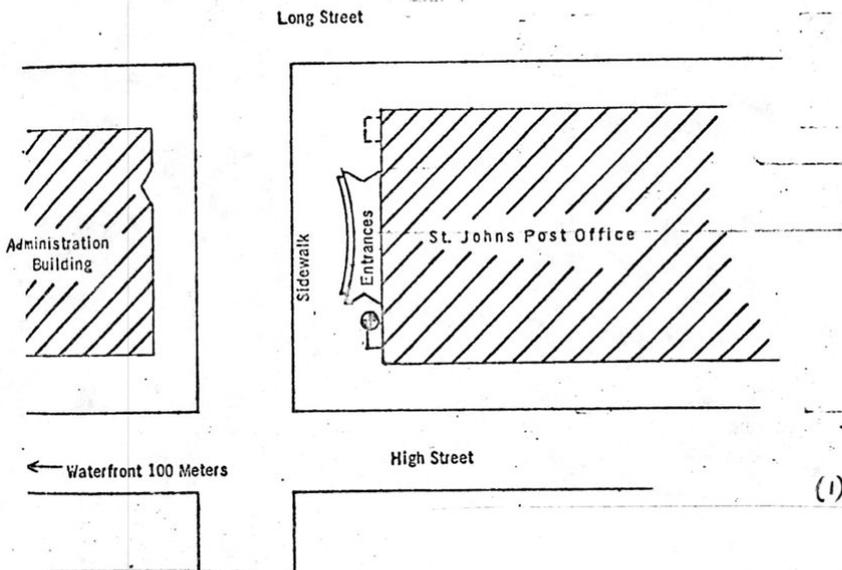
(1) 02632

GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
17° 05'N	(1)	ANTIGUA	
LONGITUDE			
61° 50'W	(1)	COUNTRY/STATE	
ELEVATION		Antigua	
2	METERS (1)		
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 2223-1		$g =$ 978 652.72 mgals	
IGB 04371B			
		ESTIMATED ACCURACY	DATE
		± 0.2 mgals	MONTH/YEAR
			8/70

DESCRIPTION AND/OR SKETCH

The gravity station is in St Johns, Antigua (approximately 5 miles west of Coolidge Airport). Station is at the city Post Office between High Street and Long Street near the water front. Station is in a corner, one meter east of the southwest entrance to the building, on a concrete surface. Station is approximately 6 meters north of the southwest corner of the building. (1)



REFERENCE SOURCE

(1) 02752

GRAVITY BASE STATION

LATITUDE		26° 41.8'N (1)	STATION DESIGNATION	
LONGITUDE		78° 59.1'W (1)	SETTLEMENT POINT	
ELEVATION		2 METERS (1)	COUNTRY/STATE	
			Bahama Island	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 2273-1			g = 979 137.0 mgals	
			ESTIMATED ACCURACY	
			DATE	
			± 3.0 mgals	MONTH/YEAR
			8/69	

DESCRIPTION AND/OR SKETCH

Bahama Islands No 7, Settlement Point (Bahama Islands, J. P. Lushene, 1932). Station is located at Settlement Point at west end of Bahama Island, near graveyard at village church, on base bed rock 70 meters south of high water mark, 40 meters east of church, and 75 meters west of commissioner's property. (1)

REFERENCE SOURCE

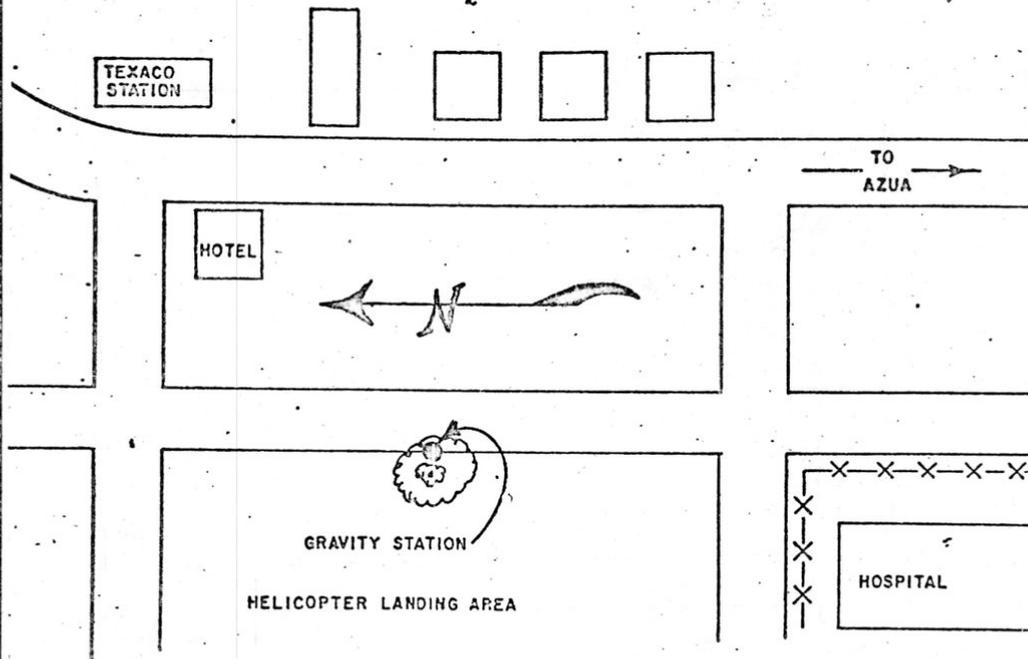
(1) 00909

GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
18° 32.6'N (1)		SAN JOSE DE OCOA	
LONGITUDE			
70° 30.55'W (1)		COUNTRY/STATE	
ELEVATION		Dominican Republic	
METERS		ADOPTED GRAVITY VALUE	
REFERENCE CODE NUMBERS		g = 978 456.34 mgals	
ACIC 4882-1			
		ESTIMATED ACCURACY	DATE
		± 0.2 mgals	MONTH/YEAR
			April 1972

DESCRIPTION AND/OR SKETCH

The station is in the city of San Jose de Ocoa, grouted into the curb of the street that passes in front of the hospital, and is directly in front of a large mahogany tree that is in an open field used as a helicopter landing area. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

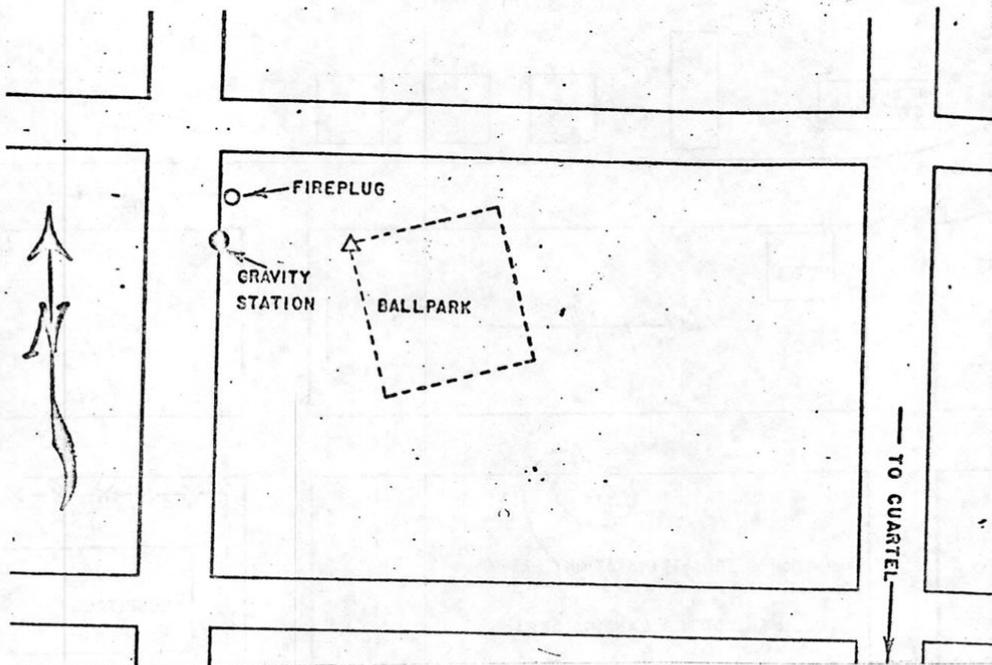
(1) 03758

GRAVITY BASE STATION

LATITUDE 19° 22.45'N (1)		STATION DESIGNATION	
LONGITUDE 69° 51.0'W (1)		NAGUA	
ELEVATION METERS		COUNTRY/STATE Dominican Republic	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 4883-1		g = 978 616.91 mgals	
		ESTIMATED ACCURACY	DATE
		+ 0.2 mgals	MONTH/YEAR April 1972

DESCRIPTION AND/OR SKETCH

The station is in the center of the town of Nagua at the ballpark grouted into the top of the curb in the northwest corner 2 meters south of fireplug. The mark is a 6 cm IAGS disk stamped: Gravedad Red Ref. 1969. (1)



REFERENCE SOURCE

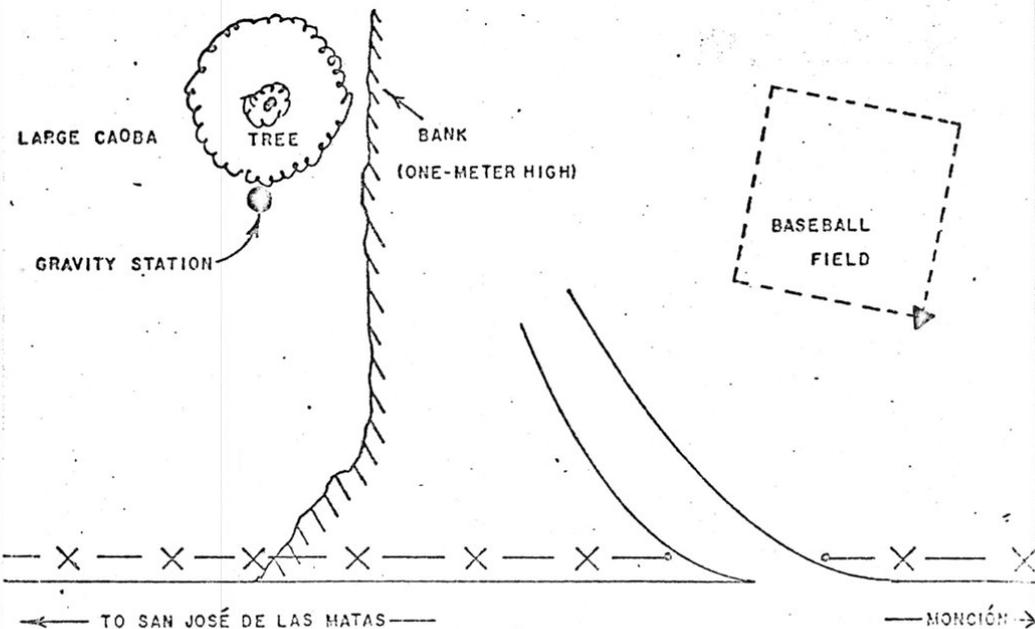
(1) 03758

GRAVITY BASE STATION

LATITUDE 19° 24.75'N (1)		STATION DESIGNATION MONCION	
LONGITUDE 71° 09.06'W (1)		COUNTRY/STATE Dominican Republic	
ELEVATION METERS		ADOPTED GRAVITY VALUE g = 978 613.00 mgals	
REFERENCE CODE NUMBERS ACIC 4884-1		ESTIMATED ACCURACY ± 0.2 mgals	
		DATE MONTH/YEAR April 1972	

DESCRIPTION AND/OR SKETCH

The station is located in the town of Moncion at the ballpark, near a large Caoba tree (one-meter south) on a one-meter high bank. The station is not marked. (1)



(1)

REFERENCE SOURCE

(1) 03758

APPENDIX A.7

REFERENCES
(WEST INDIES)

- 00909 DICKERSON, R.
BASIC GRAVITY SURVEY IN CUBA.
PART II, AGU TRANSACTIONS OF 1940, TWENTY-FIRST ANNUAL
MEETING APRIL 24 TO 27, 1940, WASHINGTON, D.C.,
NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMY OF
SCIENCES, JULY 1940.
- 02003 1381ST GEODETIC SURVEY SQUADRON.
CENTRAL AMERICA AND ANTILLES GRAVITY TIES.
1381ST GEODETIC SURVEY SQUADRON, ORLANDO, FLA.
- 02632 U.S. NAVAL OCEANOGRAPHIC OFFICE (NAVOCEANO).
GRAVITY BASE STATION DESCRIPTIONS THROUGHOUT THE
WORLD.
A COLLECTION OF NAVOCEANO BASE STATION DESCRIPTIONS
AND TIES RECEIVED FROM NAVOCEANO, WASHINGTON, N.D.
- 02752 WHALEN, C.T.
THE AMERICAN SECONDARY CALIBRATION LINE.
1381ST GEODETIC SURVEY SQUADRON, FRANCIS E. WARREN
AFB, 1967.
- 03758 USATOPOCOM.
DOMINICAN REPUBLIC GRAVITY BASE NETWORK.
U.S. ARMY TOPOGRAPHIC COMMAND, WASHINGTON, D.C.,
MAY 1970.
(UNPUBLISHED TABULATION OF DATA AND BASE STATION
DESCRIPTIONS).