

RONMAC Monitoring Station Report

Report Date: August 6th, 2001

Station Number: 96350021

Station Name: *Puerto Santo Tomás de Castillal, Guatemala*

Station Location: $15^{\circ} 41.68'N - 88^{\circ} 37.18'W$

Time Meridian: 90W

Original Installation Date: 08/01/01

Date of Present Visit: 08/04/01

Purpose of Present Visit: *Installation*

Description of Location: *Station is located at the western most part of the pier at Santo Tomás de Castilla Port. It is located where the previous "historic" tide house was.*

Facility Owner: *Empresa Portuaria Nacional*

Facility Contact: *Edgar Urzúa, General Manager of the Port*

Facility Numbers: *Phone: (502) 948-4990 ext. 1659 Fax: (502) 948-3060*

National Agency: *Instituto Nacional de Sismologia Vulcanologia Meteorologia e Hidrologia (INSIVUMEH)*

National Contact: *Eddy Hardie Sánchez Benett, Director General*

Contact Numbers: *Phone: (502) 2-331-5944, Fax: (502) 2-331-5005*

E-Mail: Insivume@ops.org.gt

DCP Information

DCP Mfg. & Type: *Vitel VX 1100*

SN: *VN10103261*

GOES Transmitter Mfg. & Type: *Vitel VX2609*

Platform ID: *1406F146*

Channel: *61East*

First Transmission: *01:58:00*

Transmission Interval: *180 minutes*

GOES Antenna Mfg. & Type: *Vitel V2TH*

SN: *2T01062247*

Azimuth: 138°

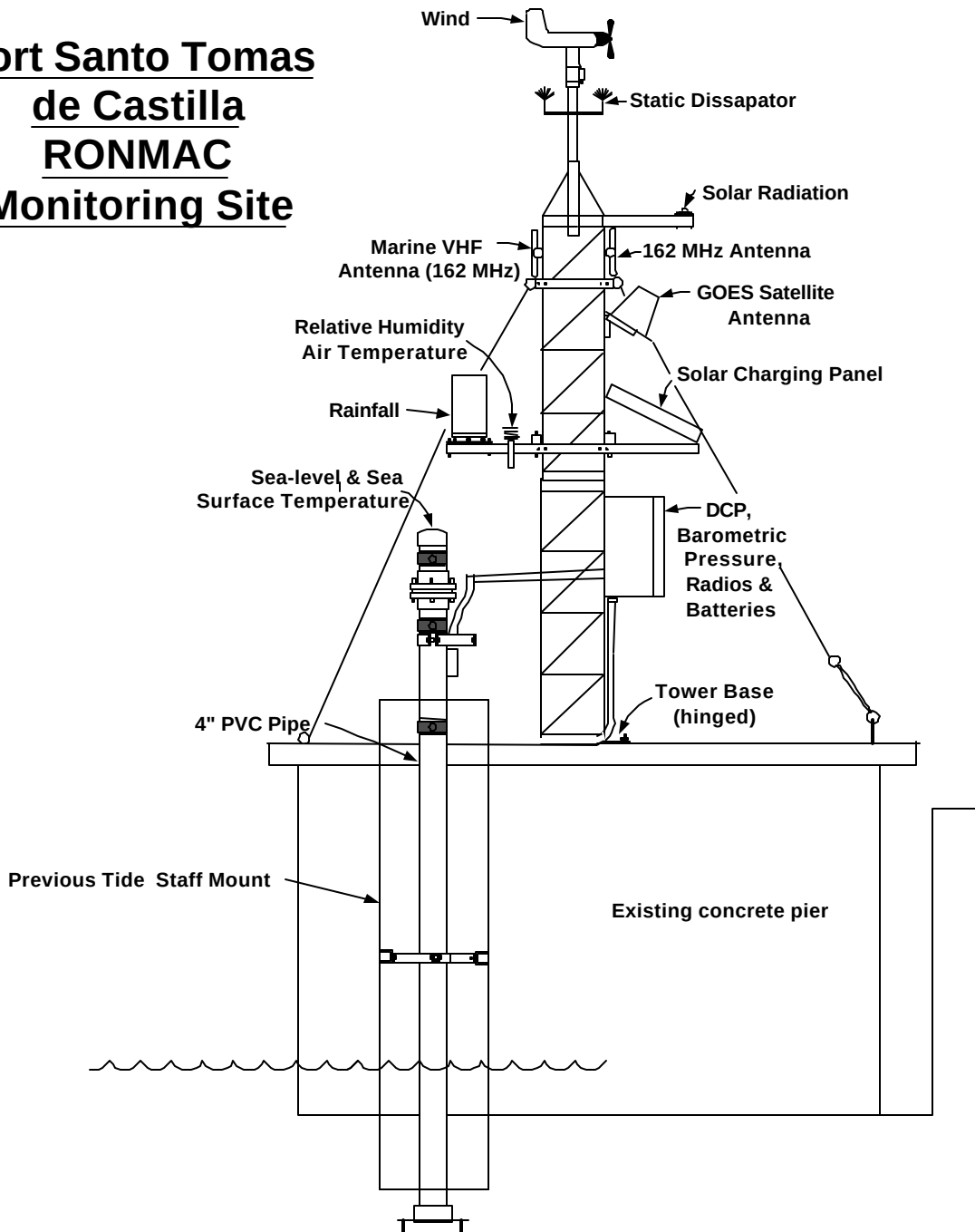
Elevation: 65°

Battery Mfg. & Type: *12VDC – 40AH Gel Cell*

Solar Charger Panel Mfg. & Model: *Solarex 30 watt*

Description of Monitoring Site Configuration:

Port Santo Tomas de Castilla RONMAC Monitoring Site



Sensor Information

Sealevel

Sensor Mfg. & Type: *Bartex 3000 Acoustic*

SN: *1743-3970*

Calibration Tube: *SN 1188*

Installation Date: *08-03-01*

Sensor Offset: *-107mm*

Datum Offset: *10000mm (assumed)*

Wind

Sensor Mfg. & Type: *R.M. Young - 05103 - Wind Monitor*

SN: *43876*

Installation Date: *08-02-01*

Relative Humidity & Air Temperature

Sensor Mfg. & Type: *Viasala HMP45*

SN: *V4310002*

Installation Date: *08-03-01*

Barometric Pressure

Sensor Mfg. & Type: *R.M. Young*

SN:

Installation Date: *08-01-01*

Sea Surface Temperature

Sensor Mfg. & Type: *YSI*

Installation Date: *08-04-01*

Precipitation

Sensor Mfg. & Type: *Vitel VRG-TB3 Tipping Bucket*

SN: *631*

Installation Date: *08-01-01.*

Solar Radiation

Sensor Mfg. & Type: *LiCor Pyranometer*

SN: *PY39453*

Converter: *PY39453*

Installation Date: *08-02-01*

Back Up Water Level Pressure

Sensor Mfg. & Type: *Druck 0-15 psi*

SN: *7347*

Installation Date: *08-03-01*

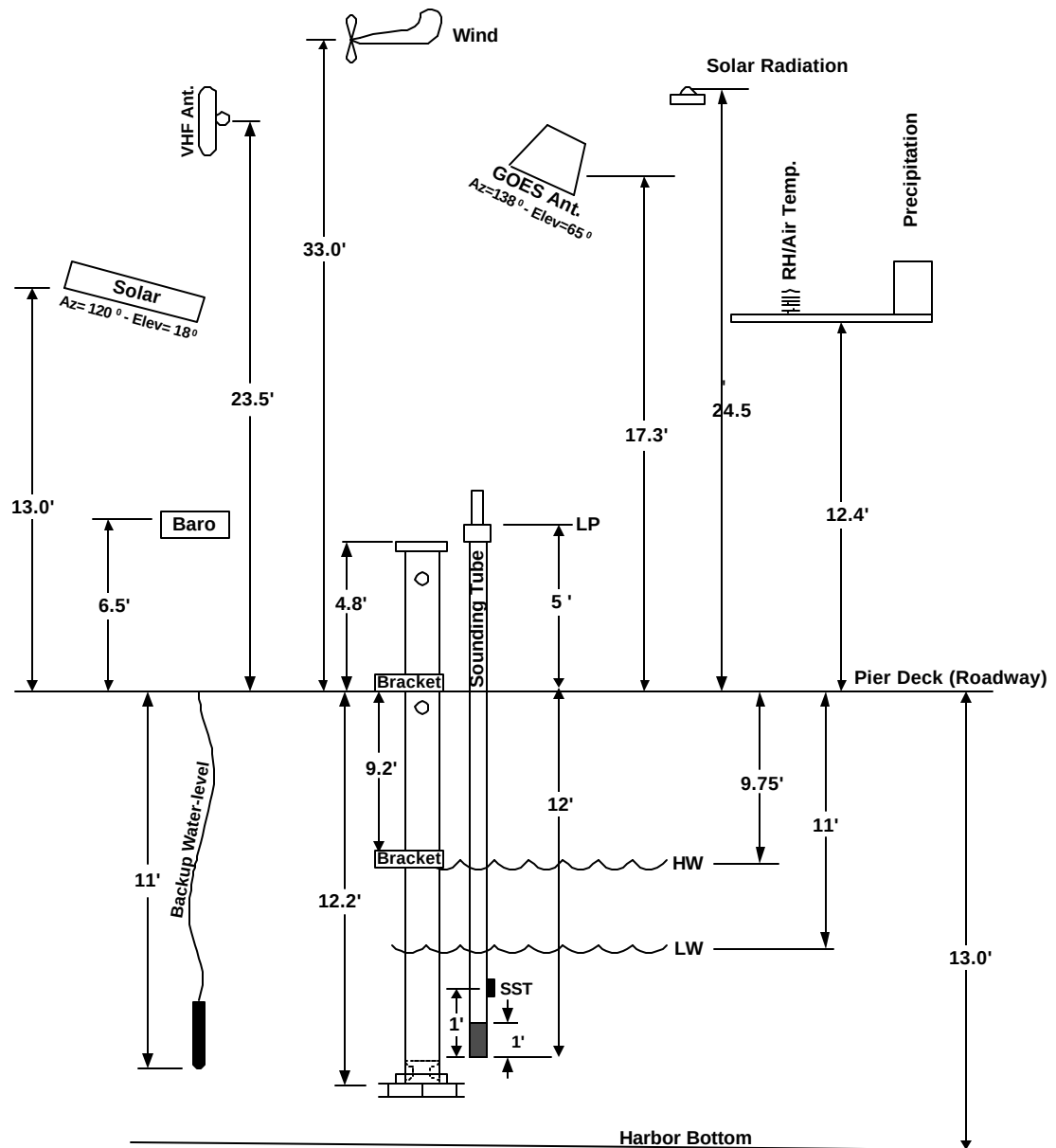
Puerto Santo Tomas de Castilla, Guatemala Setup Sheet
02/08/02

Location ID	<i>Pto Santo Tomas de Castilla</i>	Site ID	<i>96350021</i>
GOES ID	<i>1406F146</i>		
TX Channel	<i>61E</i>	Time Meridian	<i>90W</i>
1st TX Time	<i>01:58:00</i>	GMT Offset	<i>6 hr</i>
Interval:	<i>180 minutes</i>	Original Installation Date	<i>August 4, 2001</i>

Sensor Setups

[illegible]

Puerto Santo Tomas de Castila, Guatemala Monitoring Site Measurements



Benchmark Information

Number of Tidal Benchmarks: 4

Primary BM Designation: *GEODÉSICO INTERAMERICANO 1958*

SRM Designation: *RONMAC 2A 2001*

Designation of other BM's: *RONMAC 2B 2001, BANATLAN IGN GPS 2000*

BM Descriptions Published In: *OAS/IGN*

Were all BM's recovered during this visit? *yes*

Were any BM's destroyed since last recovery? *No*

Leveling Information

ABSTRACT OF PRECISE LEVELS

Date: *August 4, 2001*

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Tide Station Name:	Puerto Santo Tomas de Castilla
Tide Station No.:	<i>96350021</i>
Country:	<i>Guatemala</i>
Chief of party:	<i>L. Chapin</i>
Observer:	<i>L. Chapin</i>
Recorder:	<i>J. Navarro</i>
Rodman:	<i>L. Santos</i>
Level:	<i>Zeiss Ni-2</i>
Rod:	<i>K & E cm</i>

<u>F / B</u>	<u>Difference</u>	<u>Mean</u>	<u>Divergence</u>	<u>Distance</u>	<u>Designation</u>	<u>Elev</u>	<u>Elev + 0</u>
F	-1.632				LP		10.000m
B	+1.632	-1.632	0 / 0	.02 / .02	RONMAC 2A 2001	8.368	(SRM)
F	+0.020				ROMMAC 2A 2001		
B	-0.019	+0.020	+1 / +1	.10 / .12	GIA 203C 1958	8.388	
F	+0.115				GIA 203C		
B	-0.117	+0.116	-2 / -1	.12 / .24	BANATLAN GPS IGN 2000	8.504	
F	+0.162				RONMAC 2A 2001	8.368	
B	-0.160	+0.161	+2 / +2	.07 / .09	RONMAC 2B 2001	8.529	<u>SPUR</u>

OAS - RONMAC

Tidal Bench Marks

Puerto Santo Tomas de Castilla, Guatemala

Lat. 15⁰ 41.68' N - Long. 88⁰ 37.18' W

963-50021

TO REACH the monitoring site proceed from the main entrance of the Port facility at Santo Tomas de Castilla, Guatemala, go north to the east-west seawall, proceed west to the end of the seawall. The monitoring site is located on an elevated concrete platform at the northwest corner of the port facility.

"RONMAC 2A 2001" is a brass disk set in the concrete deck 2.0 ft (0.61m) east of the east end of the east-west seawall on the seaward side of the Guatemala Coast Guard facility at Pto. Santo Tomas de Castilla, it is on a prolongation of the centerline of the CG seawall, 39.2 ft (11.9m) south of the northwest corner of Port seawall, 214 ft (65m) northwest of the northwest corner of the warehouse #7 (on the corner of 1a Avenida and 0 Calle).

"RONMAC 2B 2001" is a brass disk set in the concrete deck at the northwest corner of warehouse #7, 0.3 ft (0.1 m) northwest of the northwest corner of an elevated concrete foundation/column support, 115 ft (30m) south of the seawall that runs east-west along the Port, 176 ft (54m) southeast of the northwest end of the seawall.

"GEODESICO INTER AMERICANO 203C 1958 " is a brass disk set flush in the surface on the centerline of the seawall cap at the northwest corner of the "Base Naval Atlantico" facility, 2.0 ft. (0.6 m) east of the west end of the seawall cap, 14.5 ft (4.4m) west of the centerline of Calzada Muelle Naval, 57 ft (17m) north of a monument (old bomb mounted nose down at a fork in the road.

"BANATLAN GPS IGN 2000" is a brass disk set flush in the surface of the concrete parade ground, 30 ft (9m) southeast of a memorial plate to lost soldiers, 116 ft (30m) west of a concrete north-south wall separating the Naval facility and the Port, 182 ft (55m) north of a flag mast on the seaward side of the Naval Administration building.

Puerto Santo Tomas de Castilla, Guatemala

RONMAC Monitoring Site

