

RONMAC Monitoring Station Report

Report Date: July 31, 2001

Station Number: 96350001

Station Name: *Puerto Quetzal, Guatemala*

Station Location: $13^{\circ} 55.0'N - 90^{\circ} 49.8'W$

Time Meridian: 90W

Original Installation Date: 02/19/01

Date of Present Visit: 07/31/01

Purpose of Present Visit: *Inspection*

Description of Location: *Station is located on the seaward most pier on the northwest side of the pier on the top of the "historic" concrete tide house.*

Facility Owner: *Empresa Portuaria Quetzal*

Facility Contact: *Ricardo A. Reyes Recinos, Jefe Departamento Observación e Investigación Maritima (OBIMAR)*

Facility Numbers: *Phone: (502) 334-4859 Fax: (502) 332-3586*

National Agency: *Instituto Nacional de Sismologia Vulcanologia Meteoro 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: *WX 10012268*

GOES Transmitter Mfg. & Type: *Vitel VX1004PA*

Platform ID: *1405E53E*

Channel: *61East*

First Transmission: *11:32:00*

Transmission Interval: *180 minutes*

GOES Antenna Mfg. & Type: *Vitel V2TH*

SN: *2T00112177*

Azimuth: 130°

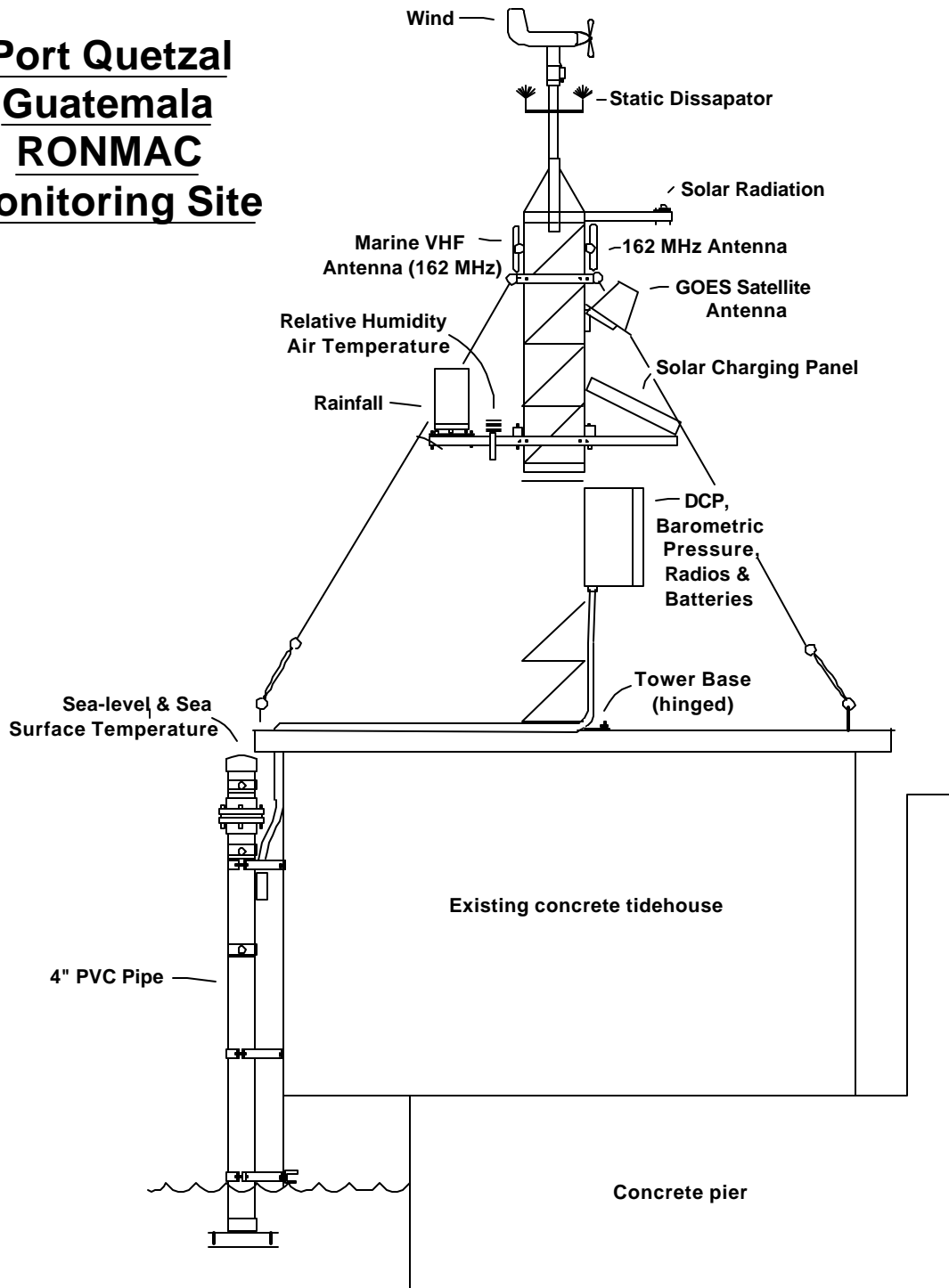
Elevation: 65°

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

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

Description of Monitoring Site Configuration:

**Port Quetzal
Guatemala
RONMAC
Monitoring Site**



Sensor Information

Sealevel

Sensor Mfg. & Type: *Bartex 3100 Acoustic*

SN: *1728-3955*

Calibration Tube: *SN 1173*

Installation Date: *02-20-01*

Sensor Offset: *-107mm*

Datum Offset: *10000mm (assumed)*

Datum Reference: *DOT/NOS-NOAA*

GOES Flag: *49*

Sensor Number: *3*

Wind

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

SN: *43879*

Installation Date: *02-19-01*

Direction

Terminations: *4+*
Mult: *359*
Div: *32767*
Offset: *0*
Dec. Pt.: *0*
GOES Flag: *51 (Wind Data #11)*
Sensor Number: *10*
Log Interval: *60 min.*

Speed

Terminations: *CTR1*
Mult: *980*
Div: *1000*
Offset: *0*
Dec. Pt.: *1*
GOES Flag: *51 (Wind Data #11)*
Sensor Number: *9*
Log Interval: *60 min.*

Relative Humidity & Air Temperature

Sensor Mfg. & Type: *Viasala HMP45A*

SN: *V33100003*

Installation Date: *02-19-01*

RH

Terminations: *5+*
Mult: *100*
Div: *6553*
Offset: *0*
Dec. Pt.: *0*
GOES Flag: *57*
Sensor Number: *12*
Log Interval: *60 min.*

Air Temp

Terminations: *5-*
Mult: *992*
Div: *6553*
Offset: *-392*
Dec. Pt.: *1*
GOES Flag: *52*
Sensor Number: *6*
Log Interval: *60 min.*

Barometric Pressure

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

SN:

Installation Date: *02-19-01*

Terminations: *1-*

Mult: *3000*

Div: *32767*

Offset: *8000*

Dec. Pt.: *1*

GOES Flag: *54*

Sensor Number: *5*

Log Interval: *60 min.*

Sensor Information (continued)

Sea Surface Temperature

Sensor Mfg. & Type: *YSI*
Installation Date: *02-19-01*
Terminations: *3+*
Mult: *-500*
Div: *9313*
Offset: *1417*
Dec. Pt.: *1*
GOES Flag: *53*
Sensor Number: *7*
Log Interval: *60 min.*

Precipitation

Sensor Mfg. & Type: *Vitel VRG-TB3 Tipping Bucket*
SN: *625*
Installation Date: *02-19-01*
Terminations: *CTR3*
Mult: *1*
Div: *1*
Offset: *0*
Dec. Pt.: *2*
GOES Flag: *58*
Sensor Number: *8*
Log Interval: *60 min.*

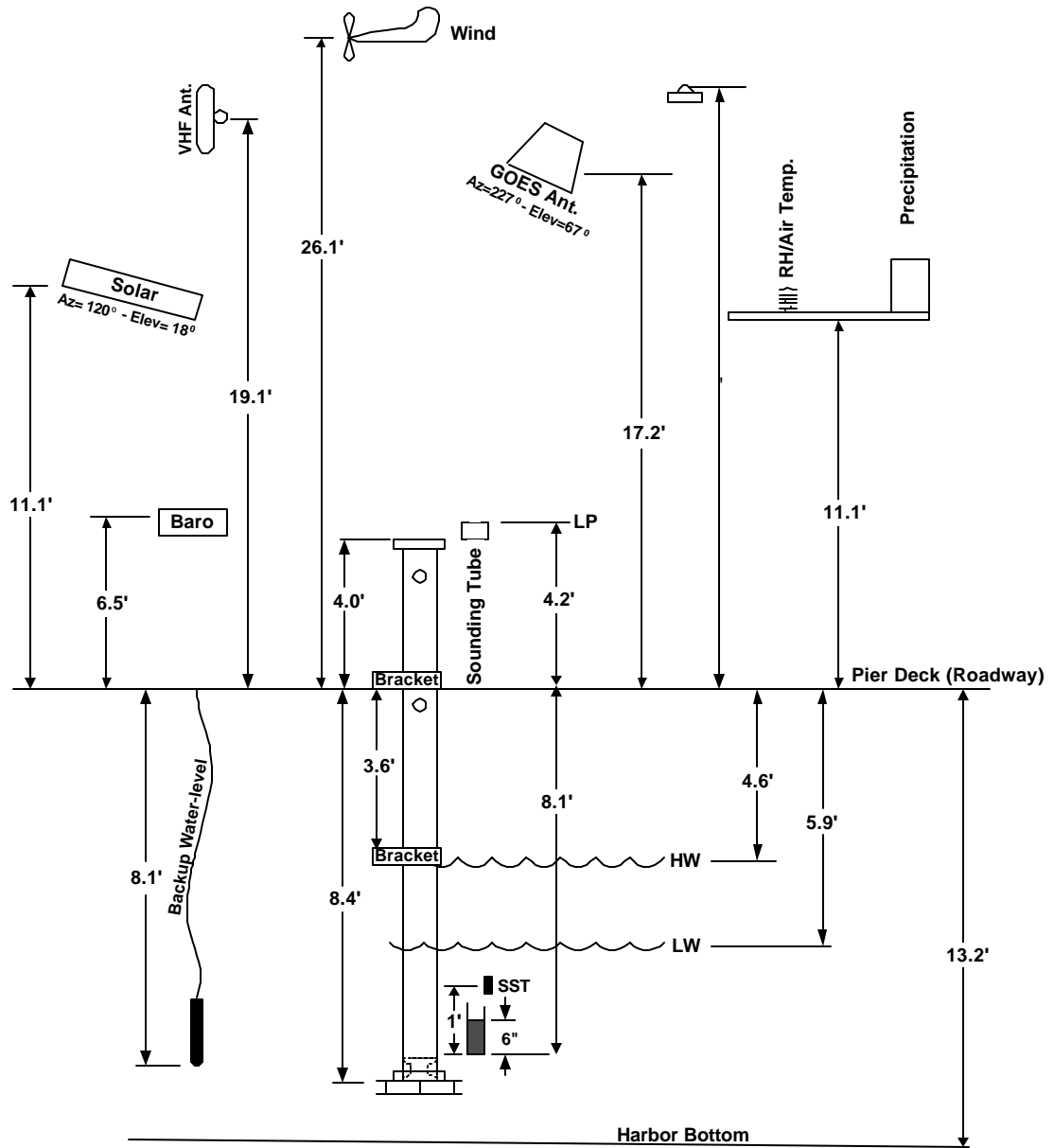
Solar Radiation

Sensor Mfg. & Type: *LiCor Pyranometer*
SN: *PY39450*
Converter: *PY39450*
Installation Date: *02-19-01*
Terminations: *6+*
Mult: *25000*
Div: *32767*
Offset: *0*
Dec. Pt.: *0*
GOES Flag: *59*
Sensor Number: *16*
Log Interval: *60 min.*

Back Up Water Level Pressure

Sensor Mfg. & Type: *Druck 0-15 psi*
SN: *7351*
Installation Date: *02-19-01*
Terminations: *7-*
Mult: *10547*
Div: *32767*
Offset: *0*
Dec. Pt.: *0*
GOES Flag: *34*
Sensor Number: *13*
Log Interval: *30 min.*

Puerto Quetzal, Guatemala Monitoring Site Measurements



Benchmark Information

Number of Tidal Benchmarks: 4

Primary BM Designation: *BM3 1949*

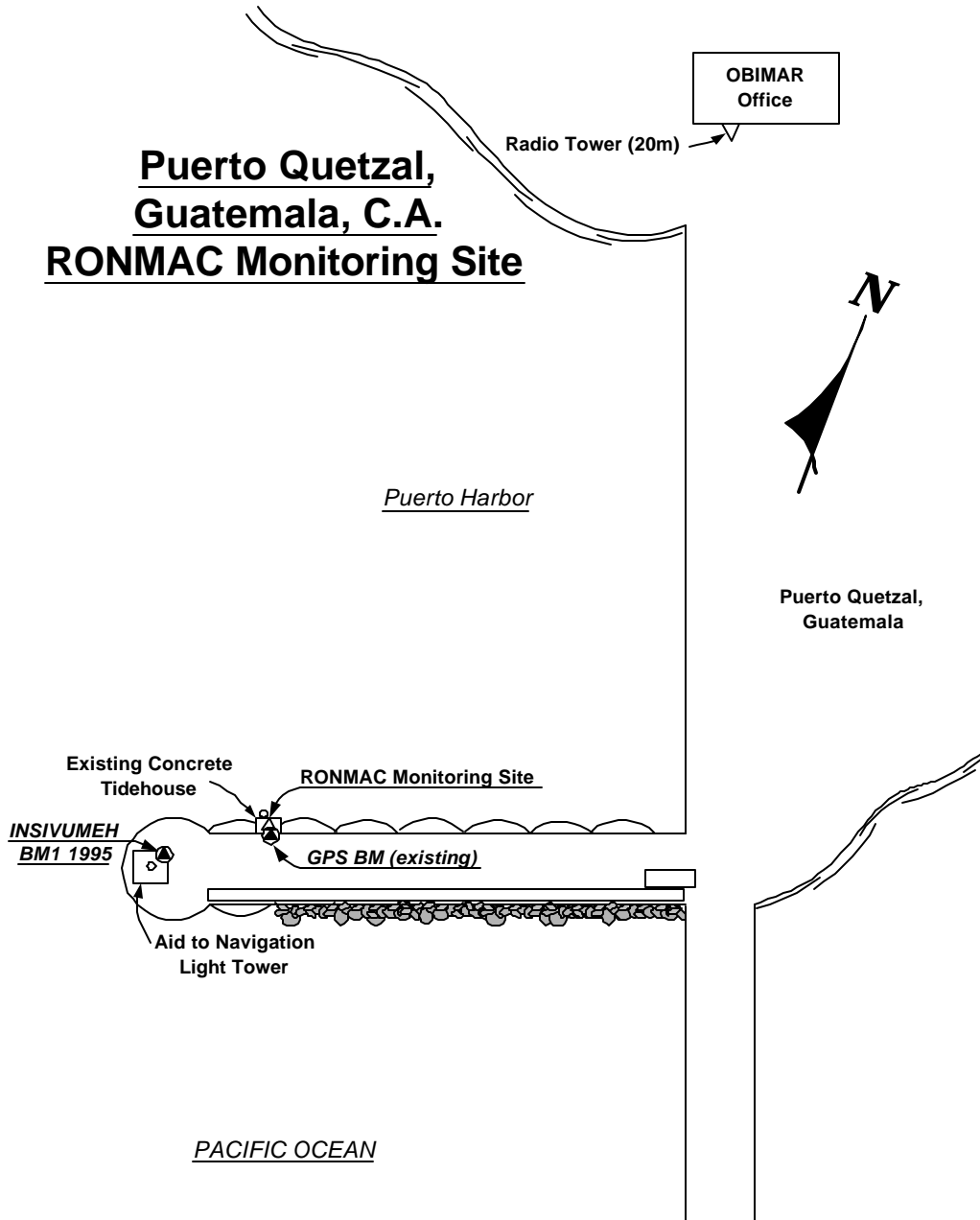
SRM Designation: *INSIVUMEH BM1 1995*

Designation of other BM's: *RONMAC 1 2001, RONMAC 2 2001*

BM Descriptions Published In: *NOS/NOAA & INSIVUMEH*

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

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



Leveling Information

Date of Installation Levels: *19&20-Feb-01*

Levels Performed by: *OBIMAR*

Chief of Party:

Level Mfg. & Type: *Wild N2*

Rod Mfg. & Type: *K&E 1/2 cm*

Abstract of Levels - Puerto Cortes, Honduras

16-Jan-01

BM 3A		2.954	
BM 2A	(-) 0.644		
BM 2A		2.310m	DOT from NOS/NOAA
Rod Stop	(+) 0.751	3.061	
Rod Stop			
Melasa BM	(+) 0.269	3.33	
Melasa BM			
LP	(+) 1.388	4.718m	

Most Recent Leveling

ABSTRACT OF PRECISE LEVELS

Date: July 31, 2001

Page 1 of 1

Tide Station Name:	Puerto Quetzal
Tide Station No.:	<i>96350011</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</u>	<u>Difference</u>	<u>Mean</u>	<u>Divergence</u>	<u>Distance</u>	<u>Designation</u>	<u>Elev</u>	<u>Elev +</u>
<u>/B</u>							<u>0</u>
F	-0.544				LP		10.000m
B	+0.544	-0.544	0 / 0	.02 / .02	INSIVUMEH BM1 12/8/92	9.456	(SRM)