

RONMAC Monitoring Station Report

Report Date: October 5, 2001

Station Number: 96654011

Station Name: *Puerto Cabezas, Nicaragua*

Station Location: $14^{\circ} 02.53'N - 83^{\circ} 22.92'W$

Time Meridian: 90W

Original Installation Date: 04/05/01

Date of Present Visit: 04/09/01

Purpose of Present Visit: *Installation*

Description of Location: *Station is located to the north side of the seaward end of the wooden pier, at Puerto Cabezas, Nicaragua.*

Facility Owner: *Empresa Portuaria Nacional, Nicaragua.*

Facility Contact: *Sr. Gilberto Ruiz.*

Facility Numbers: *Phone: (505)028-22331 Fax: (505) 028-22411*

Local Contact: *Sergio Cordonero, Chief of the Hydrography Department, INETER, Nicaragua.*

Contact Numbers: *Phone: (505) 249-2756, Fax: (505) 240-0042, Home:(505) 270-1382*

E-Mail: *rhidrico@ibw.com.ni*

DCP Information

DCP Mfg. & Type: *Vitel VX 1100*

SN: *WX 10102272*

GOES Transmitter Mfg. & Type: *Vitel VX1004PA*

Platform ID: *140601C2*

Channel: *61 East*

First Transmission: *01:34:00*

Transmission Interval: *180 minutes*

GOES Antenna Mfg. & Type: *Vitel V2TH*

SN: *22701022226*

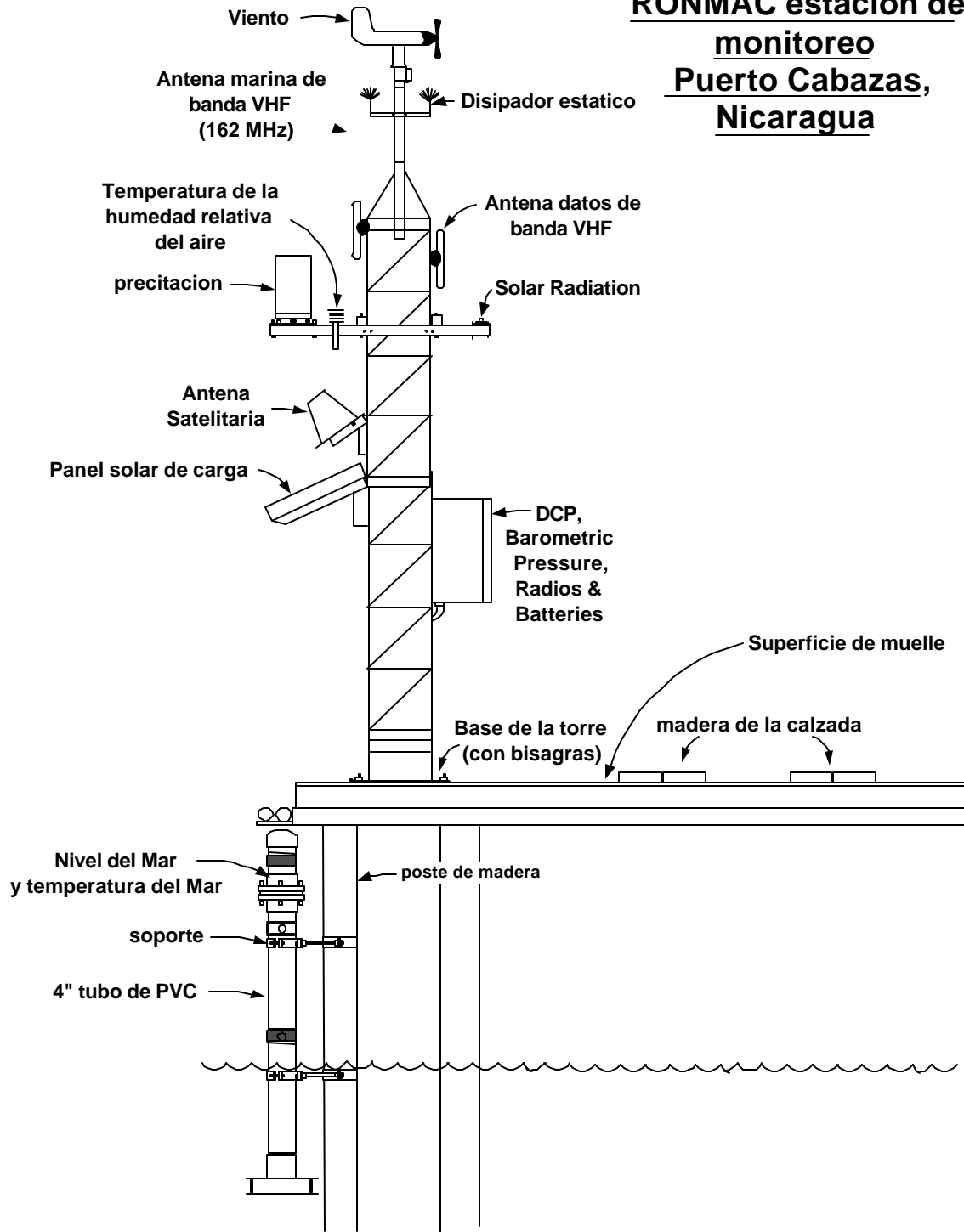
Azimuth: 150°

Elevation: 71°

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

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

**RONMAC estación de
monitoreo
Puerto Cabzas,
Nicaragua**



Sensor Information

Sealevel

Sensor Mfg. & Type: *Bartex 3100 Acoustic*

SN: *1736-3963*

Calibration Tube: *SN 1181*

Installation Date: *4/08/01*

Sensor Offset: *-107mm*

Datum Offset: *10000mm*

Wind

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

SN: *43892*

Installation Date: *4/08/01*

Relative Humidity & Air Temperature

Sensor Mfg. & Type: *Viasala HMP45*

SN: *V4130015*

Installation Date: *4/07/01*

Barometric Pressure

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

SN: *BP01602*

Installation Date: *4/07/01*

Sea Surface Temperature

Sensor Mfg. & Type: *YSI*

Installation Date: *4/07/01*

Precipitation

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

SN: *629*

Installation Date: *4/07/01*

Solar Radiation

Sensor Mfg. & Type: *LiCor Pyranometer*

SN: *PY39448*

Converter: *PY39448*

Installation Date: *4/07/01*

Back Up Water Level Pressure

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

SN: *7351*

Installation Date: *4/08/01*

Benchmark Information

Number of Tidal Benchmarks: 3

Primary BM Designation: *TBM-1R 1989*

SRM Designation: *TBM-1R 1989*

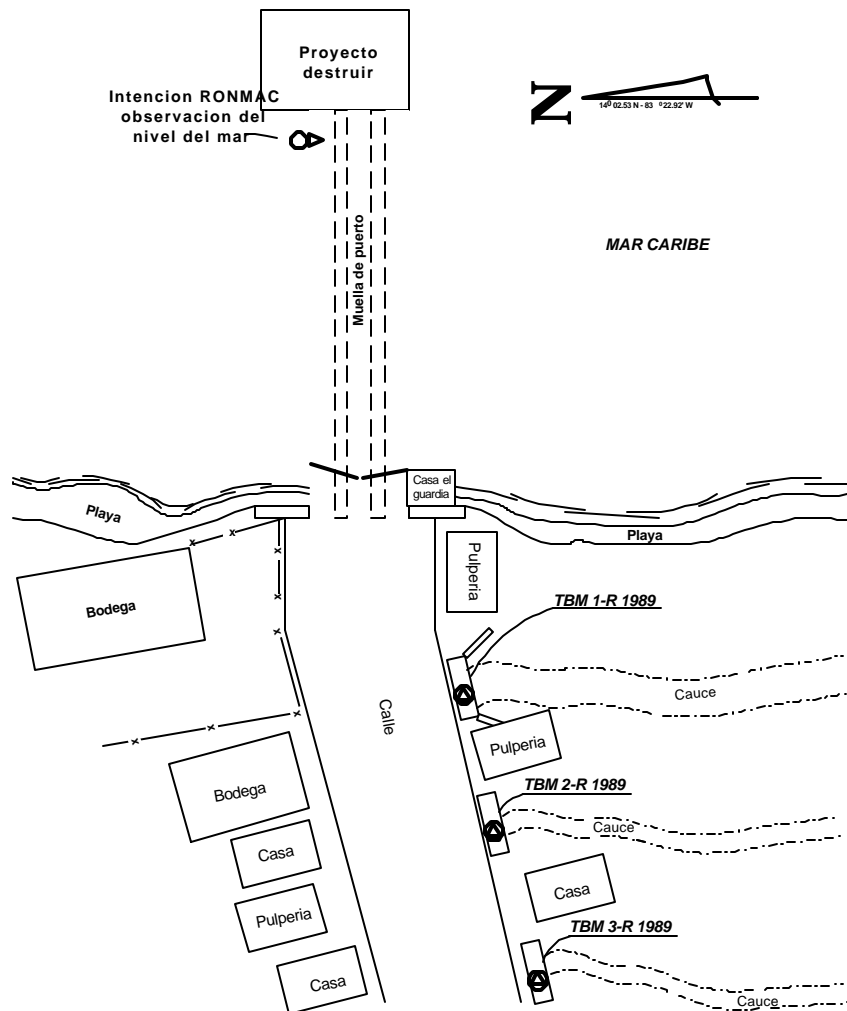
Designation of other BM's: *TBM-2R 1989; TBM-3R 1989*

BM Descriptions Published In: *OAS & INETER*

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

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

Puerto Cabezas Benchmark Sketch



Leveling Information

ABSTRACT OF PRECISE LEVELS

Date: April 8, 2001

Page 1 of 1

Tide Station Name:	Puerto Cabezas
Tide Station No.:	96405071
Country:	Nicaragua
Chief of party:	J. Navarro
Observer:	T. Tomas
Recorder:	J. Navarro
Rodman:	S. Victor
Level:	Wild N2
Rod:	K & E cm

<u>F</u> <u>/B</u>	<u>Difference</u>	<u>Mean</u>	<u>Divergence</u>	<u>Distance</u>	<u>Designation</u>	<u>Elev</u>	<u>Elev +</u> <u>0</u>
F	+1.771				LP		10.000m
B	Not run	+1.771	NA		BM1R 1989	8.229	(SRM)
F	-0.036				BM1R 1989		
B	+0.036	-0.036	0 / 0		BM2R 1989	8.193	
F	+0.610				BM2R 1989		
B	-0.609	+0.610	+1 / +1		BM3R 1989	8.803	

Leveling Information

ABSTRACT OF PRECISE LEVELS

Date: October 5, 2001

Page 1 of 1

Tide Station Name:	Puerto Cabezas
Tide Station No.:	96405071
Country:	Nicaragua
Chief of party:	L. Chapin
Observer:	L. Chapin
Recorder:	J. Navarro
Rodman:	J. Gonzalez
Level:	Wild NA3
Rod:	K & E cm

<u>F</u> <u>/B</u>	<u>Difference</u>	<u>Mean</u>	<u>Divergence</u>	<u>Distance</u>	<u>Designation</u>	<u>Elev</u>	<u>Elev +</u> <u>0</u>
F	+1.753				LP		10.000m
B	-1.756	+1.754	-3 / -3		BM1R 1989	8.246	(SRM)
F	-0.033				BM1R 1989		
B	+0.032	-0.032	-1 / -4		BM2R 1989	8.214	
F	+0.606				BM2R 1989		
B	-0.606	+0.606	0 / -4		BM3R 1989	8.820	

