

CARIBBEAN

Bocas del Toro
Research Station

Barro Colorado
Nature Monument

Punta Galeta
Marine Laboratory

Gamboa
Laboratories

Agua Salud
Project

Canopy Access
Cranes

Center for Tropical
Paleoecology and
Archaeology

PANAMA

Fortuna
Forest Reserve

Coibita
Island

Earl S. Tupper Research
Library and Conference
Center

Punta Culebra
Nature Center

Naos Marine and
Molecular Laboratories

PACIFIC



Smithsonian
Tropical Research Institute

1400 scientific visitors from
50+ countries each year

400 staff

34 staff scientists

13 field and lab facilities across Panama

Hub of the **largest global forest research network in the world**

Marine stations in key sites in the Caribbean and Pacific give STRI unique access to **2 oceans and 4 distinct ecosystems**

STRI Bocas Del Toro – Tsunami Warning



unesco SEA LEVEL STATION MONITORING FACILITY

Intro Map Station lists **Station details** Services & FAQ GLOSS Catalog

[previous station] Station **Bocas Del Toro** at GMT [next station]

[more details] [GTS message] [show data] [show on map] [monitor]

Station metadata	
Code	bdto
Country	Panamá
Location	Bocas Del Toro
Status	Operational
Local Contact	Smithsonian Tropical Research Institute (USA)
Other Contact	International Tsunami Information Center Caribbean Office (USA)
Long-term MSL data	n/a
Latitude	9.350921
Longitude	-82.257703
Connection	GTS message
GTS message type	SOPM10

Sensor 1	
Type of sensor	prs (pressure)
Sampling rate (min)	1

Sensor 2	
Type of sensor	rad (radar)
Sampling rate (min)	1

Relative sealevel at Bocas Del Toro station - median

• prs (-0m) • rad (-2.61m)

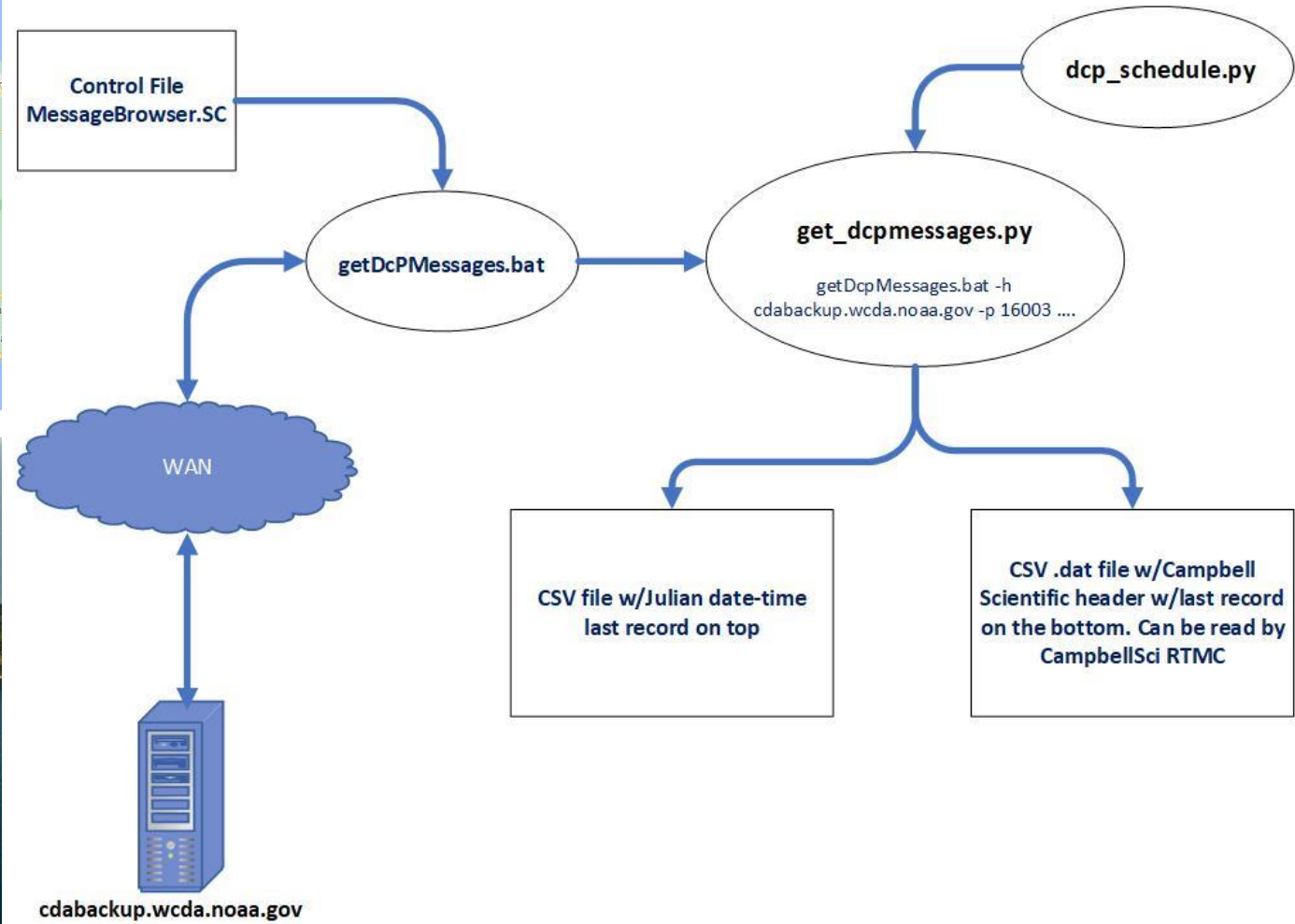
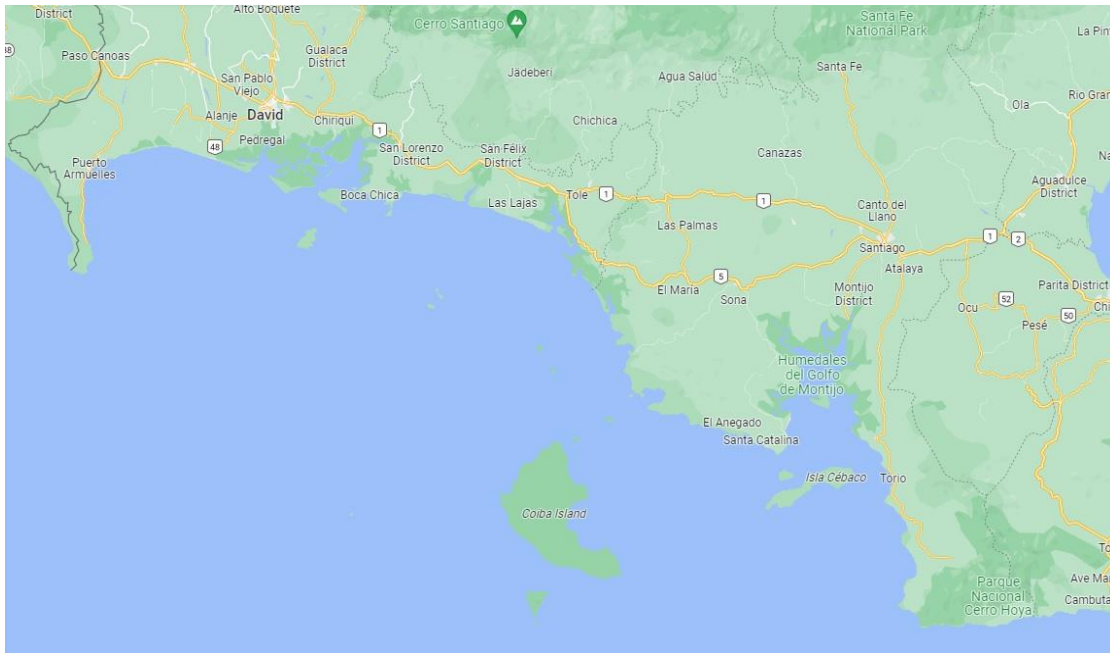
08:00 10:00 12:00 14:00 16:00 18:00
Apr 10
From 2023-04-10 07:05+00:00 to 2023-04-10 19:05+00:00 1 IOC-VLIZ

Period	Signals	Data
<input checked="" type="radio"/> 12h <input type="radio"/> day <input type="radio"/> 7 days <input type="radio"/> 30 days	<input checked="" type="checkbox"/> prs (pressure) <input checked="" type="checkbox"/> rad (radar) <input type="checkbox"/> Remove outliers <input type="checkbox"/> Remove spikes	<input checked="" type="radio"/> Relative levels = signal - median over selected period <input type="radio"/> Absolute levels = as received <input type="radio"/> Offset signals = relative levels + offset

Tip: use left icons to zoom & scroll

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Coiba/Coibita



To do: script to edit MessageBrowser.Sc

Data Files

goescoibita_tower_julian.csv - Notepad

File Edit Format View Help

```
"GOES_ID", "Header", "TIMESTAMP", "PBID", "BattV_Avg", "AirTC_Avg", "RH_Avg", "BP_mmHG_Avg", "RainN_mm_Tot", "RainS_mm_Tot", "SlrW_N_Avg"  
"F230B43823100192525G44+0NN397EUP00319", "cbita_twr-cbitatest_230104.CR1X-61349", "2023-100-1415", 80, 13.1, 0.0, 0.0, 757.5, 0.0, 0.0, 0  
"F230B43823100192525G44+0NN397EUP00319", "cbita_twr-cbitatest_230104.CR1X-61349", "2023-100-1400", 80, 13.1, 0.0, 0.0, 757.6, 0.0, 0.0, 0  
"F230B43823100191025G44+0NN397EUP00319", "cbita_twr-cbitatest_230104.CR1X-61349", "2023-100-1345", 80, 13.1, 0.0, 0.0, 757.8, 0.0, 0.0, 0  
"F230B43823100185525G44+0NN397EUB00319", "cbita_twr-cbitatest_230104.CR1X-61349", "2023-100-1330", 80, 13.1, 0.0, 0.0, 758.0, 0.0, 0.0, 0
```

coibita_tower.dat - Notepad

File Edit Format View Help

```
"TOA5", "coibita_tower", "CR1000X", "00000", "CR1000X.Std", "cbitatest_230104.CR1X" "61349" "Table1"  
"TIMESTAMP", "GOES_ID", "Header", "RECORD", "PBID", "BattV_Avg", "AirTC_Avg", "RH_Avg", "BP_mmHG_Avg", "RainN mm_Tot", "RainS_mm_Tot", "SlrW_N_Avg"  
"2023-02-14 18:45:00", "F230B43823046001025G43+0NN397EUB00317", "cbita_twr-cbitatest_230104.CR1X-29101", 143, 80.0, 12.8, 0.0, 0.0, 757.7, 0.0, 0.  
"2023-02-14 19:00:00", "F230B43823046002525G43+0NN397EUB00317", "cbita_twr-cbitatest_230104.CR1X-29101", 142, 80.0, 12.8, 0.0, 0.0, 757.9, 0.0, 0.  
"2023-02-14 19:15:00", "F230B43823046004025G43+0NN397EUB00317", "cbita_twr-cbitatest_230104.CR1X-29101", 141, 80.0, 12.8, 0.0, 0.0, 757.9, 0.0, 0.  
"2023-02-14 19:30:00", "F230B43823046005525G43+0NN397EUB00317", "cbita_twr-cbitatest_230104.CR1X-29101", 140, 80.0, 12.8, 0.0, 0.0, 758.1, 0.0, 0.  
"2023-02-14 19:45:00", "F230B43823046011025G43+0NN397EUP00317", "cbita_twr-cbitatest_230104.CR1X-29101", 139, 80.0, 12.8, 0.0, 0.0, 758.2, 0.0, 0.  
, 138, 80.0, 12.8, 0.0, 0.0, 758.3, 0.0, 0.  
, 137, 80.0, 12.8, 0.0, 0.0, 758.4, 0.0, 0.  
, 136, 80.0, 12.8, 0.0, 0.0, 758.6, 0.0, 0.  
, 135, 80.0, 12.8, 0.0, 0.0, 758.7, 0.0, 0.  
, 134, 80.0, 12.8, 0.0, 0.0, 758.8, 0.0, 0.
```

WS_kph_S_WVT 19.5
BP_mmHG_Avg 759.2

Edit ... Delete

Graph Width

Time
15 d 06 h 45 m 00 s 000 n

Records
1000 Apply

Options ... Clear

