



Instituto Nicaragüense de Estudios Territoriales
www.ineter.gob.ni

Nicaragua Seismic Network

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First Nicaragua Seismic Network 1975

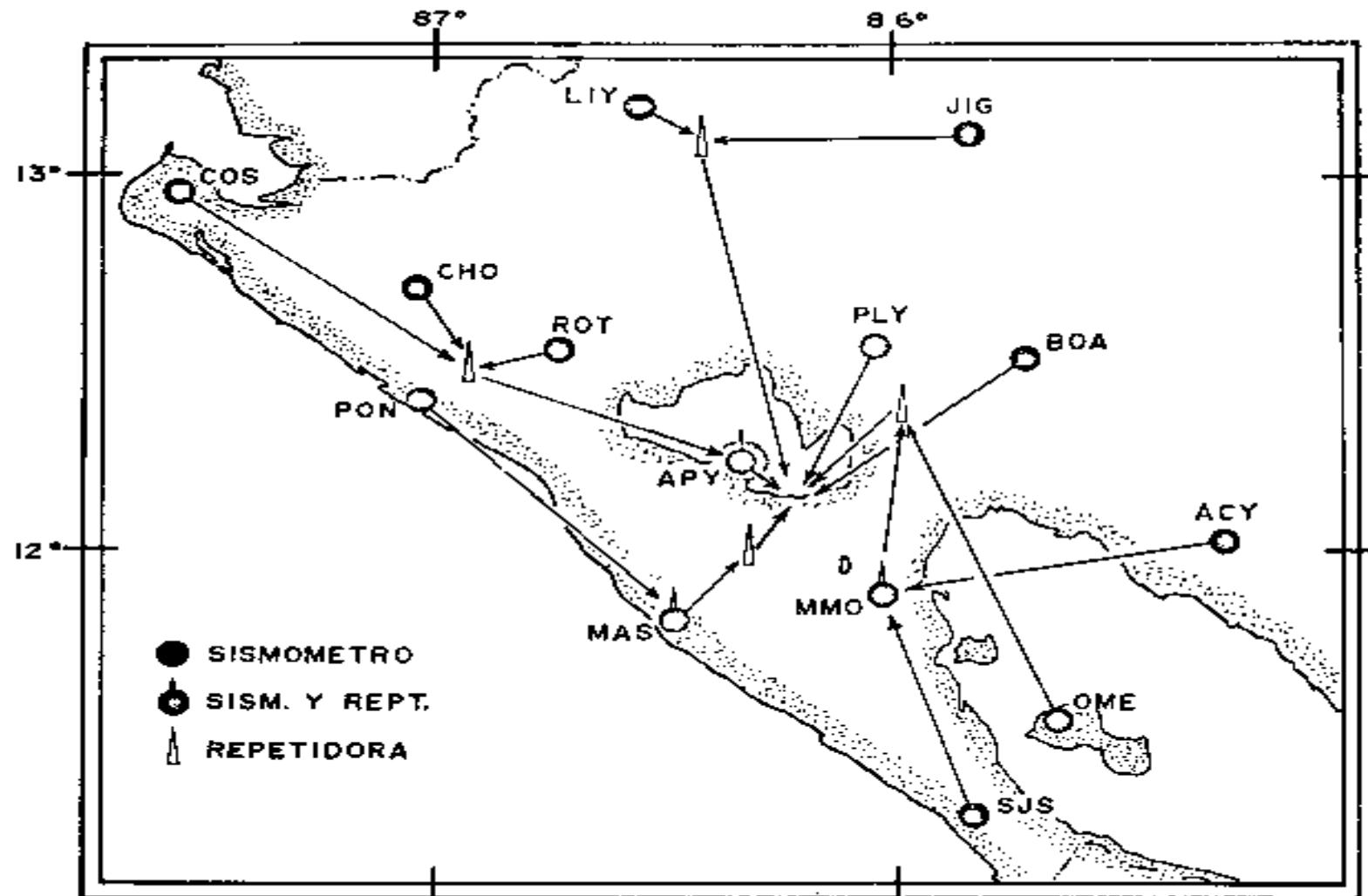
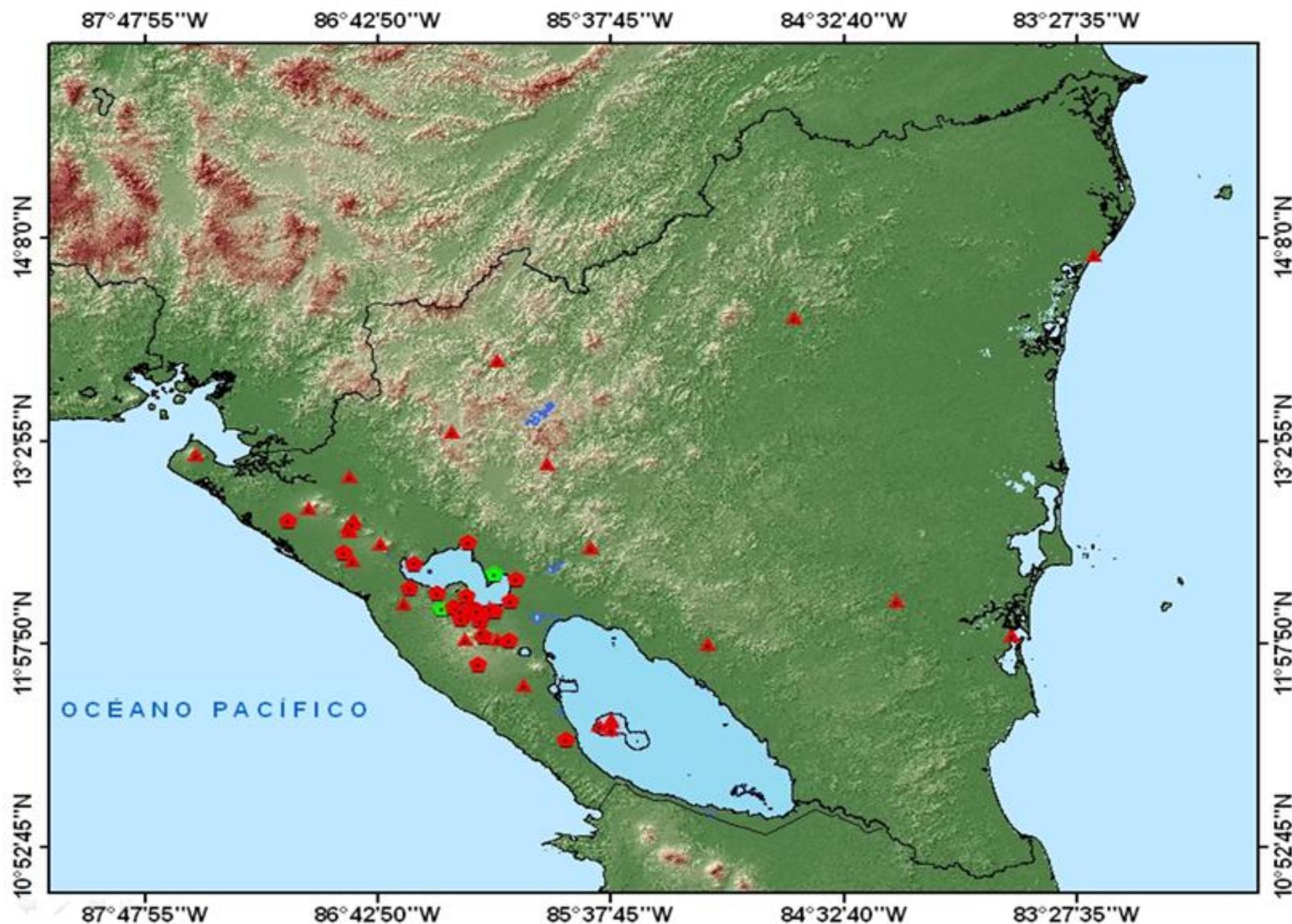


Figura 1. Mapa de las estaciones sismográficas.

Nicaragua Seismic Network 2014



Tsunami Nicaragua 1992



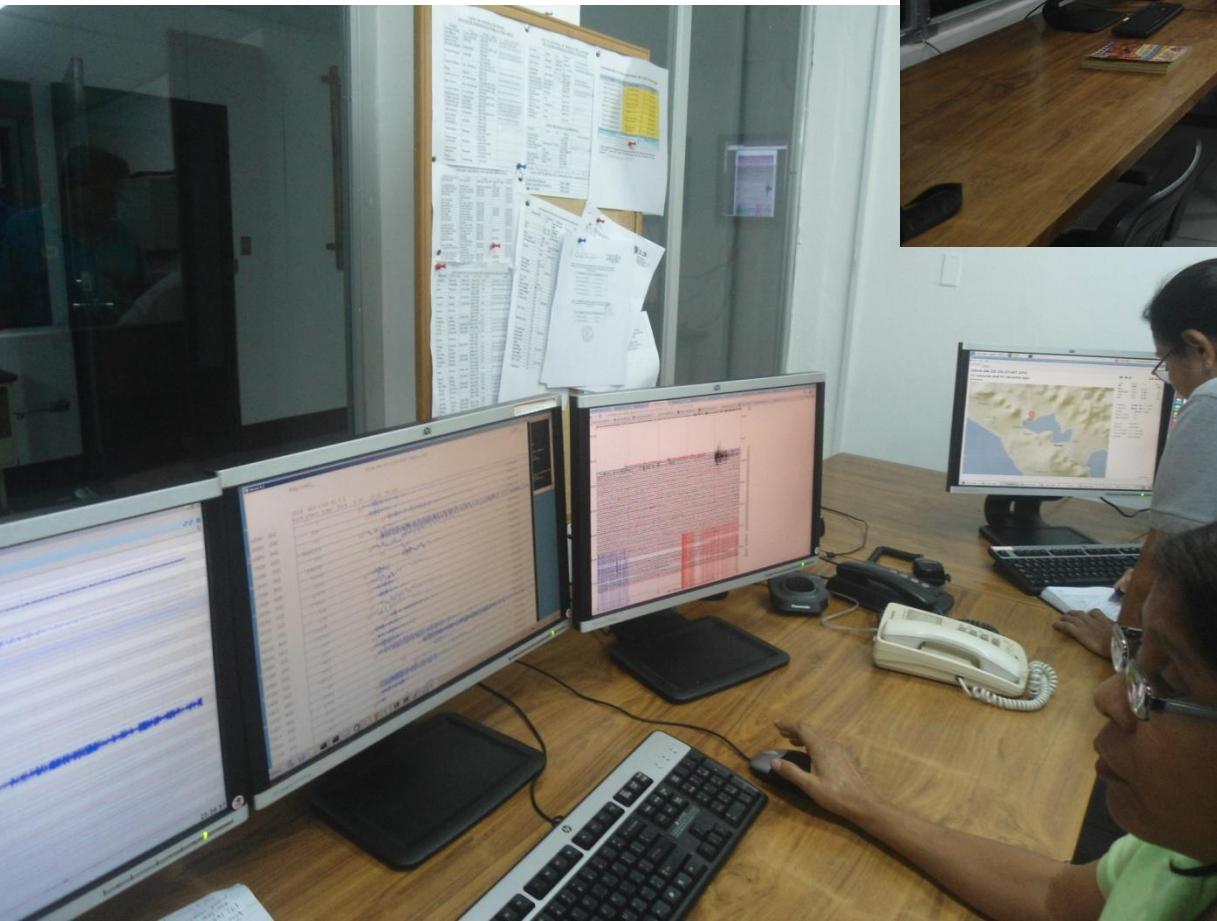
Destruction of restaurants and fishery facilities



Tsunami memorial

Effects in Masachapa, Municipality of San Rafael del Sur - 18 people killed

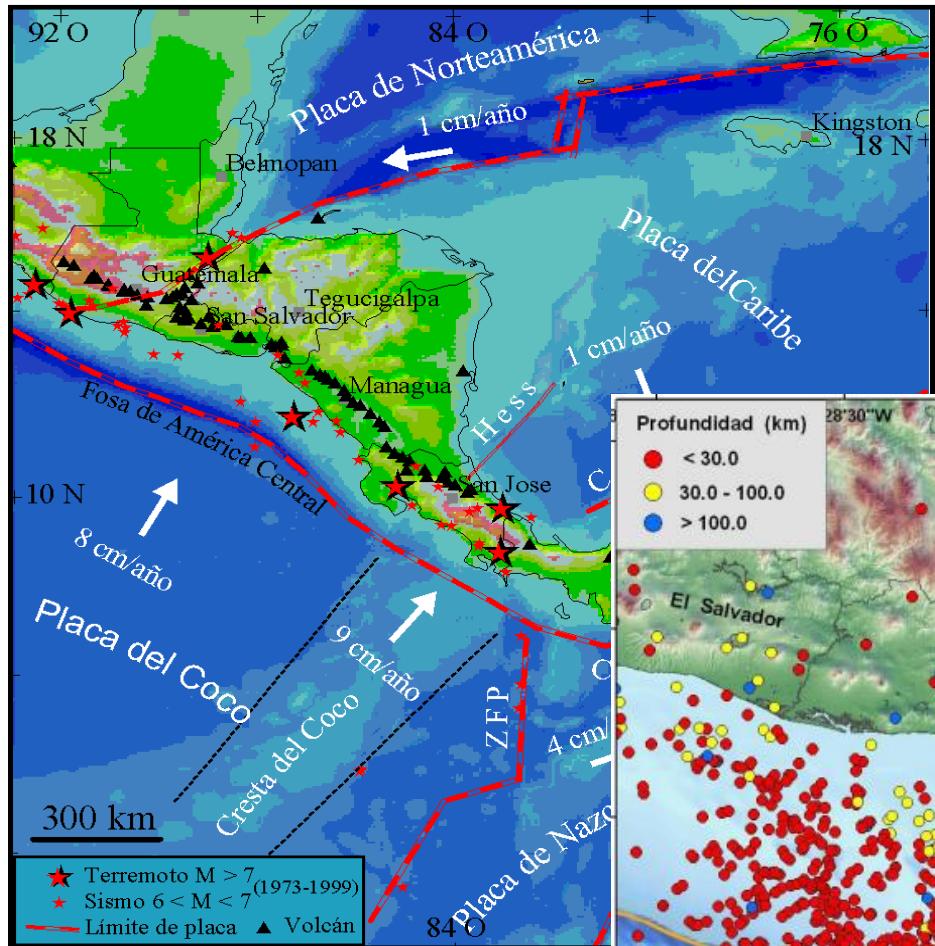
Seismic Surveillance 24/7 1992



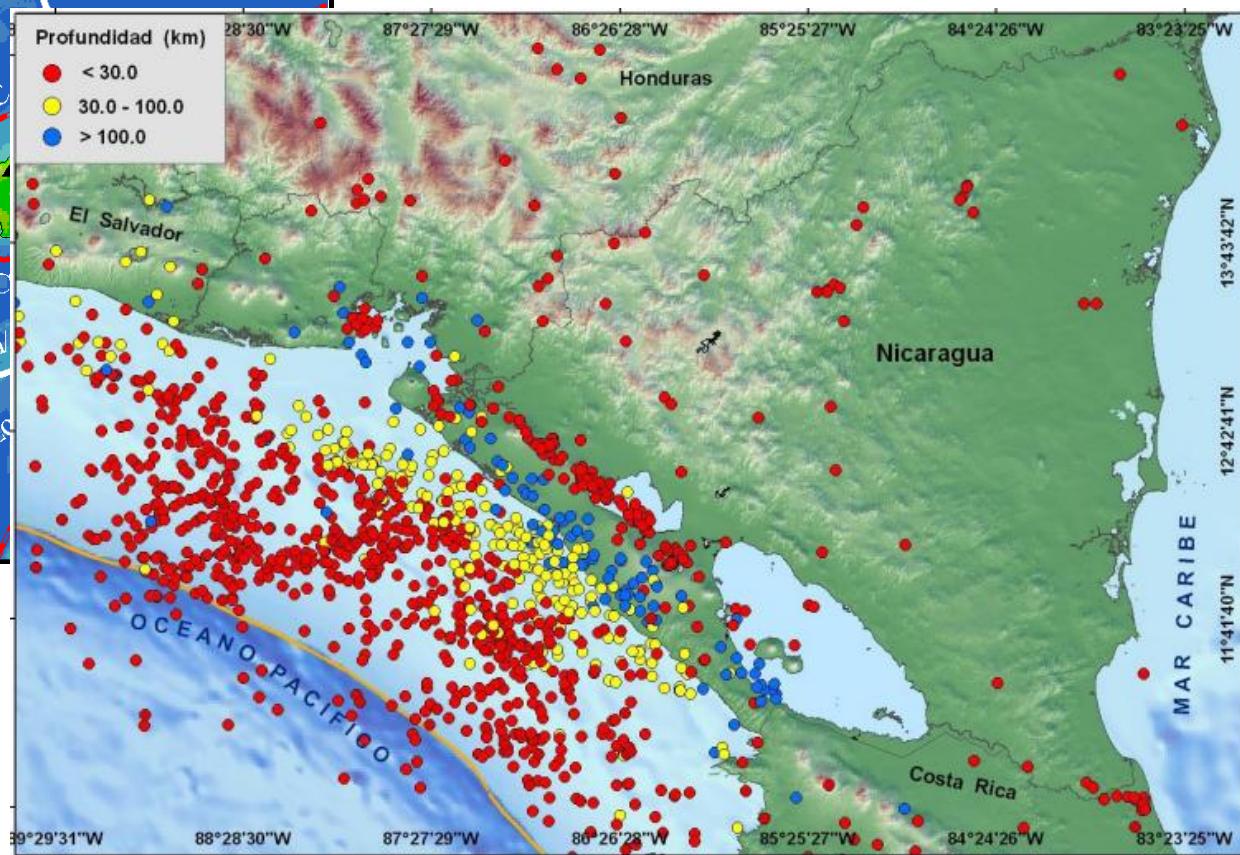
Instrumentation



Tectonic map



Seismic activity



Seismic network analysis system

EARTHWORM SYSTEM STATUS

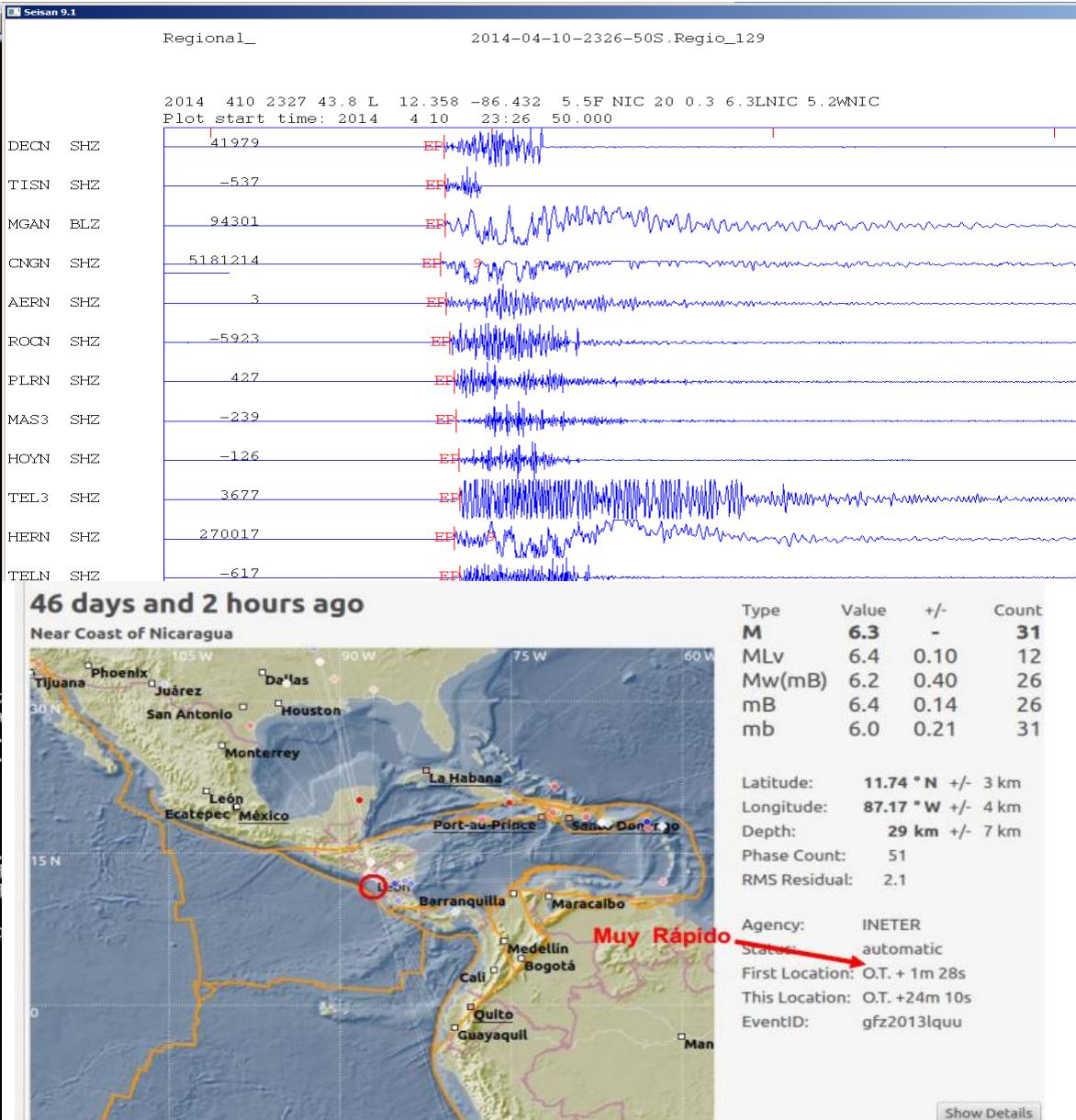
```

Start time (UTC): Fri May 23 14:12:20 2014
Current time (UTC): Thu Jun 05 07:19:40 2014
Ring 1 name/key/size: WAVE_RING / 1000 / 10240 kb
Ring 2 name/key/size: PICK_RING / 1005 / 10240 kb
Ring 3 name/key/size: HYPO_RING / 1010 / 10240 kb
Ring 4 name/key/size: STATUS_RING / 1015 / 10240 kb
Ring 5 name/key/size: TRIG_RING / 1020 / 10240 kb
Ring 6 name/key/size: WAVE_RING_RSAM / 1025 / 10240 kb
Ring 7 name/key/size: DDR_RING / 1030 / 10240 kb
Ring 8 name/key/size: WAVE_RING_SNET / 1035 / 10240 kb
Ring 9 name/key/size: WAVE_RING_SCN / 1040 / 10240 kb
Ring 10 name/key/size: WAVE_RING_BIG / 1045 / 10240 kb
Ring 11 name/key/size: ALARM_RING / 1050 / 10240 kb
Ring 12 name/key/size: RAW_RING / 1055 / 10240 kb
Ring 13 name/key/size: WAVE_RING_COPECO / 1060 / 10240 kb
Ring 14 name/key/size: WAVE_RING_SSAM / 1065 / 10240 kb
Ring 15 name/key/size: SSAM_RING / 1070 / 10240 kb
Startstop's Config File: Start_ineter.d
Startstop's Log Dir: e:\new-logs\
Startstop's Params Dir: e:\earthworm\run_ineter\params
Startstop's Bin Dir: e:\earthworm\v7.4\bin
Startstop's Priority Class: Normal
Startstop Version: v7.4 2010-03-04

Process Process Class/
Name Id Status Priority Console Argument
----- -----
statmgr 7572 Alive Normal/Normal Minin statmgr.d
psnadsend 4588 Alive Normal/Normal Minin psnadsend_1.d
carlstatrig 1940 Alive Normal/Normal Minin carlstatrig.d
carlsubtrig 5660 Alive Normal/Normal Minin carlsubtrig_event
carlsubtrig 8100 Alive Normal/Normal Minin carlsubtrig_volca
trig2disk 7100 Alive Normal/Normal Minin trig2disk_events.
trig2disk 3960 Alive Normal/Normal Minin trig2disk_volcan.
scn2scnl 4004 Alive Normal/Normal Minin scn2scnl.d
scnl2scn 6540 Alive Normal/Normal Minin scnl2scn_rsam.d
ew2rsam 716 Alive Normal/Normal Minin ew2rsam.d
rsam 6306 Alive Normal/Normal Minin rsam.ini
rsam2disk_ineter 6584 Alive Normal/Normal Minin rsam2disk_ineter.
export_scnl 7772 Alive Normal/Normal Minin export_scnl_ack.d
export_scnl 2460 Alive Normal/Normal Minin export_scnl_acp.d
import_generic 7088 Alive Normal/Normal Minin import_gen_acp.d
slink2ew 4548 Alive Normal/Normal Minin slink2ew_seiscomp
sendfileII 6776 Alive Normal/Normal Minin sendfileII.d
wftimefilter 5460 Alive Normal/Normal Minin wftimefilter.d
export_scn 7984 Alive Normal/Normal Minin export_scn_SC3.d
export_generic 7964 Alive Normal/Normal Minin export_generic.d

Press return to print Earthworm status, or
type 'restart nnn<cr>' where nnn is either a module name or Process ID, or
type 'quit<cr>' to stop Earthworm.

```



Network map for NU
Nicaraguan Seismic Network

13 static



Future plans for the seismic network in the next years.

- **Install 8 BB stations VSAT**
- **Install 25 SP stations**
- **Strengthen the seismic lab**
- **Establish a Tsunami Warning Center for Central America in INETER.**