

# Station of NIGER PS26

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# My country hosts two stations of CTBTO

- Radionucleide station RN48
- Seismic station PS26

The station PS 26 is located in South West of Niamey far from 65 Km.

The site survey have done in December 2002

The installation of equipment in April 2005

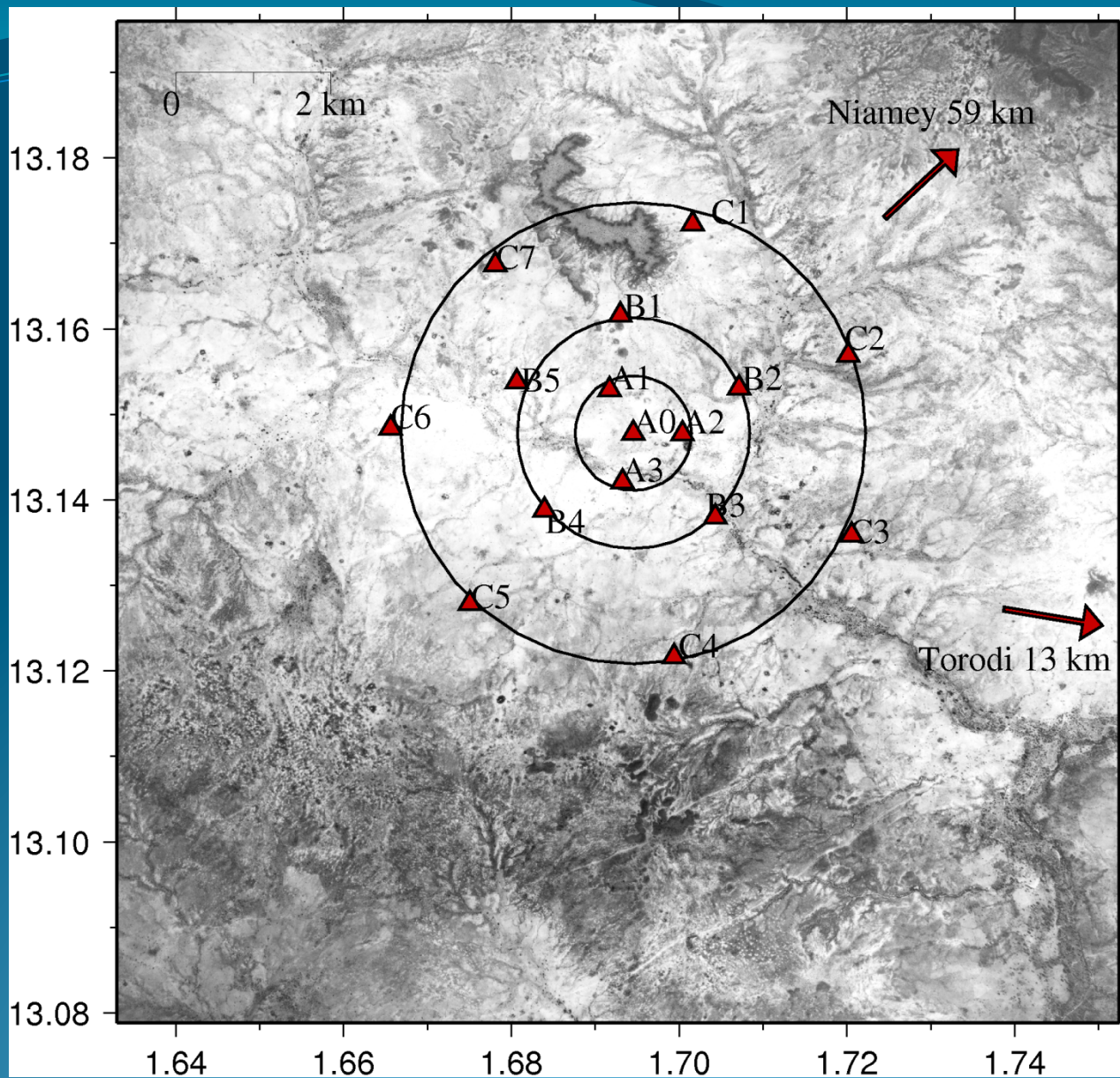
The Torodi station is comprised of 16 array elements disposed on three concentric rings of respectively 0.75 km (ring A )

1.50km (ring B)

3 km radius (ring C)

with a central 3C element (A0).





The sensor is a Güralp three components seismometer (CMG-3TB) for the central element A0 and three of the outer ring elements (C2, C4, C6) and a Güralp vertical seismometer (CMG-3V) for other elements

-The elements of each site are powered by solar panels. To regulate and buffer the solar, batteries and solar charge controllers are installed at each element site.

-The Digitizers are from nanometrics









The data are directly sent to Vienna through the VSAT and we receive the data at our office.

We control the data , voltage, mass positions, GPS, Clock state and temperature using Naqsview





**A monthly report is sent  
to CBTBO.**

**According to the analyst  
the flow of data is**

**-June 97,2%**

**-July 98,7%**

**-August 99,2%**



The problems that we facing concerning the maintenance are:

- the solar panels stolen

- The mouse that chews the cables

- The humidity that destroy the breakbox

# PLANNING

- WE project to set up a national data centre
- An agreement is signed with the FDSN
- Training some researchers in analysis of data

Thanks

you