

Seismic Observations of Côte d'Ivoire

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Geophysical Station of LAMTO, Côte d'Ivoire

1. Geophysical Station of Lamto

CÔTE D'IVOIRE shelters four (4) seismic stations and one (1) infrasound station. The infrasound station and one of the seismic stations, DBIC (PS 15), are certified IMS (International Monitoring System) primary stations. Thus they take part in the monitoring of the international treaty of complete prohibition of nuclear test and provide their data to the international data center (IDC).

All these stations are managed by the Geophysical Station of Lamto, which is the National Data Center (NDC) of Côte d'Ivoire.

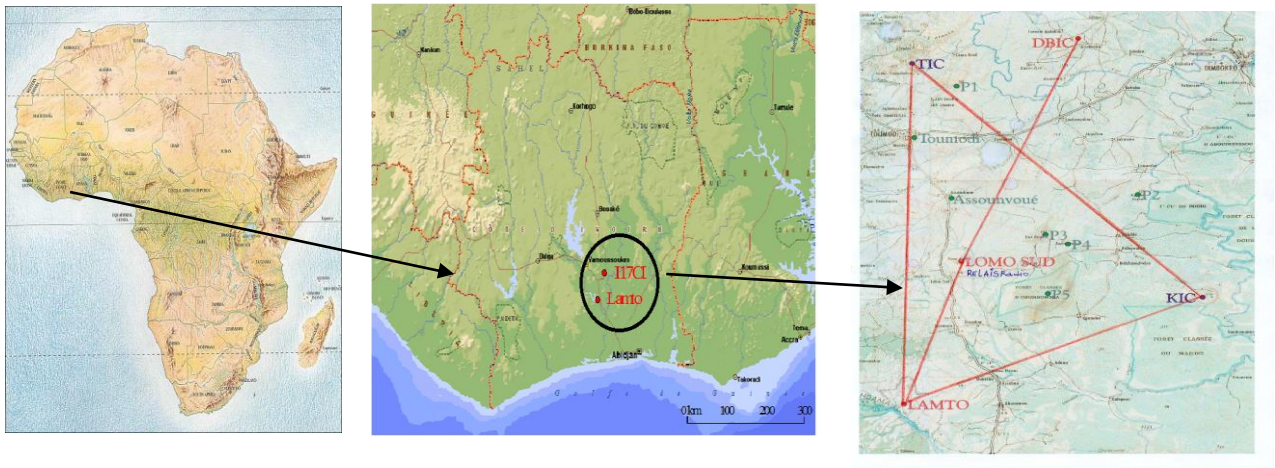


Figure 1. Location of the Geophysical Station of Lamto.

The station's network consists of (figures 1, 2 and 3):

- Two stations of short period vertical component: KIC and TIC stations;
- A station of long period with three components (one vertical and two horizontal): LIC station.

These stations (LIC, KIC and TIC) were installed by the Environment Analysis and Monitoring Department (DASE / CEA, France).

- A broadband station called PS15 or DBIC. This station is certified PS (primary seismic station) by IMS under the CTBTO (Comprehensive nuclear Test Ban Treaty Organization) network.

This station (DBIC-PS15) was installed in collaboration with AFTAC (Air Force Technical Application Center / USA) in 1994 and certified IMS primary station the 26/07/2004 by CTBTO.

Data are centralized to LAMTO by radio link before transmitting to AFTAC and CTBTO via VSAT.

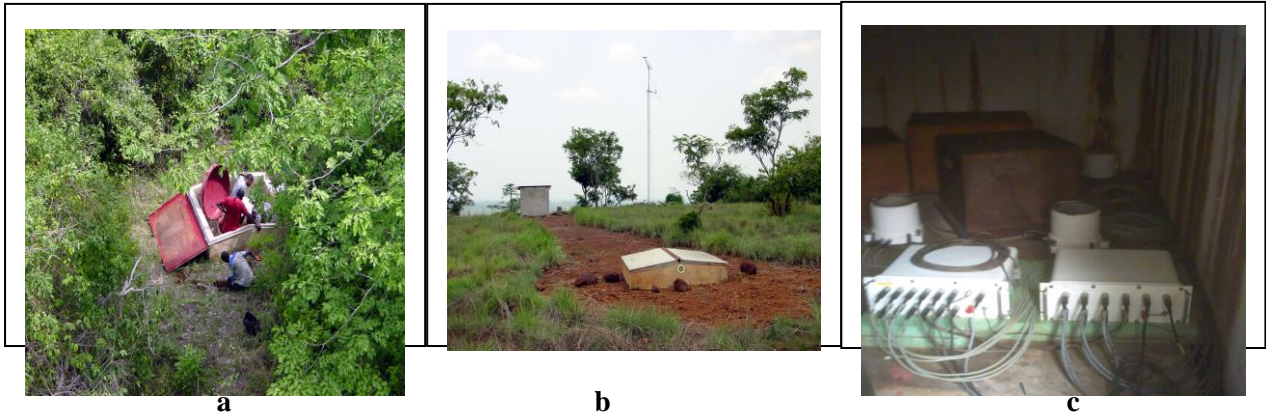


Figure 2. Stations installed by DASE/ CEA, France

a- **KIC** (Kossanboka Ivory Coast)

b- **TIC** (Toumodi Ivory Coast)

c- **LIC** (Lamto Ivory Coast).



Figure 3. DBIC (PS15) Station