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Attachment(s):

(1) "Congo Magnetic Observatories", 736 KB pdf, 3 pages.

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:           Re:
:           Magnetic Observatories
:           in the Dem. Rep. of Congo (DRC)
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Dear ISWI Participant:

One of the main goals of UNBSSI during IHY and ISWI is to bring together instrument providers (often in developed nations) and instrument hosts (often in developing nations). For example, MAGDAS magnetometers are from Japan but about half of them are operating in developing nations (in Asia and Africa) --- because scientists need the data from these areas.

Today, I have a request from the Democratic Republic of Congo (DRC) for magnetometers. Specifically, the request is from :

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: Prof. Ndontoni Zana
: Dept of Physics/ Fac. Science/ Kinshasa University
: Director of Geophysic Research Center-C.R/G
: D R C
: Email: azanan2002@yahoo.fr
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I attach the overview that I received from him recently. He has four sites. They were fully functional in better days in his country. If you need to place an instrument in the DRC, please contact Prof. Zana directly at the email address mentioned above.

It is the strong desire of the United Nations to get countries such as DRC involved in some mainstream science activities, such as space weather research.

Kind regards,

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:           George Maeda
:           The Editor
:           ISWI Newsletter
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Brief Summary on Congo Magnetic stations

The DR Congo has installed geomagnetic stations on the following sites:

1. Binza:

4°22'S; 15°16' E

This station has an underground vault 8m deep that has kept in good condition as shown in the figure attached below. Indeed, the set of variometers are no more operated due to the photo recording system that is obsolete.

Data from 1956 through 1980 are partially available.



Fig1.: Outside view of Binza magnetic vault entrance.

Below: The waydown to vault



Fig2: Inside view of Binza magnetic vault: stairing down to the vault (up); inside the variometers room(down).

2. Ruampara

$1^{\circ}32'N$; $30^{\circ}11'E$

The Ruampara/Bunia magnetic station has operated from 1956 though 1985. The magnetic vault is similar to that of Binza station. The data of collected are partially available in Binza while the magnetometers are still kept in Bunia.

3. Karavia(Lubumbashi)

11°39'S;24°1'E

The Karavia magnetic station has been operated from 1932 through 1975.

Data for this period are partially available.

The magnetic vault is well kept.

4. Lwiro (Bukavu)

2°12'; 28°48'E

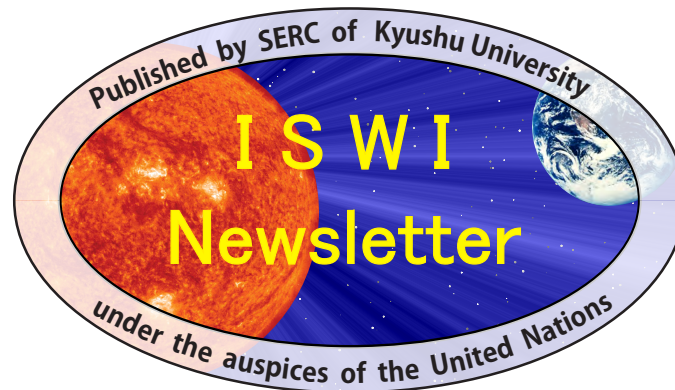
The Lwiro station operated from 1956 through 1980. The magnetic vault is 3m deep, but has better temperature conditions than other Congo observatories due to gentle climatic conditions with mean annual temperature about 20°C.

The data of operating period are available.

The four observatories can be operated by our institute if magnetometers are provided.

Kinshasa, June 17 2012
N. Zana

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