

INTERNATIONAL EQUATORIAL ELECTROJET YEAR NEWS

AIM OF THE LETTER

The aim of this letter is to report on the progress and the operations during the equatorial electrojet year in the African-European sector.

KORHOGO SITE

M. Dominique Unguran is accommodated at Korhogo site since January. He will take charge of the University College London Interferometer. He will supervise the construction of the appropriate shelter, set up and operate the instrument.

DATA BASE

We will update the catalogue of data. Please send the list of data up to March 15, 1994 to the African sector coordinator : Christine Amory-Mazaudier.

COORDINATION WITH THE EITS MEASUREMENT CAMPAIGNS

Two campaigns of 30 days are programmed during 1994 in March-April and September-October. The second period will include the NASA : "Dip Equator Rocket Campaign".

1994 NETWORK MAINTENANCE

The ionosonde and magnetometer networks will be maintained during the whole year 1994 by CNET and ORSTOM.

RESEARCH TRAINING

During the second quarter 1994, MM. A. Kobéa Toka, V. Doumouya, and K. Boka will

respectively visit the CETP and PARIS-SUD University for their research.

FIRST NETWORK RESULTS

P. Vila

A first look analysis of the hourly foF2 March-June 1993 equinox series shows latitude and local time fluctuations more rapid than expected. The latitude coverage of the 3 ionosondes, *Ouagadougou (Burkina Faso), Cambérène (Senegal) and Korhogo (Ivory Coast)*, generally describes the full foF2 equatorial daytime "trough". But the earlier simplified morphology (5 types identified in 1969-1971 at SARH, Chad, validated for Ouagadougou in E. Sambou's PHD) no longer applies during abrupt transitions of the "trough" into (Lat,L.T.) "Dôme" structures. These transitions occur mostly from 10.00 to 13.00 and from 18.00 to 20.00 L.T.

Comparison of these series with simultaneous magnetic variations, activity indices (ap, Dst) and with the velocities measured by the CEA HF radar from April to June 1993 at Korhogo are being prepared in view of further simulation work.