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EUROCAP PROGRAM-EBRE STATION

1st Interim Report

(September 1993 - November 1993)

by

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SOUNDING ACTIVITY

Hourly vertical incidence ionograms have been obtained with the digisonde and copy of the ARTIST output in 5 1/4 inch floppy disks sent to Forth Monmouth regularly.

The digisonde has been working with a good performance for this period. The refrigerating system of the shielding room of the digisonde has been improved to keep the temperature at the convenient level. A new set of receiving antennas is under construction. They will provide a better receiving signal and a better discrimination between ordinary and extraordinary rays.

We participated in a 15 minutes rate vertical sounding campaign from 15th to 30th October. The manual reduction of data has not yet begun. Before the end of the year we plan a new campaign of oblique sounding with

Dourbes station. Both these campaign are done as a part of our collaboration in the European PRIME project.

PRIME PROGRESS

The last PRIME Management Committee Meeting was held at Trieste (Italy) last October 15-18, attended by 24 people. The actual member Countries of the Management Committee are: Belgium, Czech Republic, France, Germany, Greece, Italy, Netherlands, Poland, Spain, Turkey, United Kingdom and the Bulgarian Academy of Sciences.

The places for the next two meetings were fixed. On 6-20 May 1994 a workshop followed by a MC meeting, will be held at Eindhoven (The Netherlands) and on 5-9 September at El Arenosillo, Huelva (Spain).

The work on the quasi-two-day oscillations in the ionosphere, as seen in the foF2 parameter, in collaboration with the Bulgarian colleagues, is going on, and several new results have been obtained.