

Date: March 11, 1993
To: EISCAT Data Representatives
From: Peter Collis
Subject: Common programme results tapes

Data from the following experiments have now been analysed and a tape containing results in the standard format will be mailed to you when copies have been made. Plots of system temperature and transmitter peak power during these experiments are enclosed.

(1993)

CP - 2 - E	20 - 25 Jan	(1600 - 0936 UT)
CP - 1 - J	25 Jan	(1617 - 2200 UT)
CP - 6 - B	20 - 25 Jan	(1600 - 2200 UT)

Notes

1. CP-2-E, 20-25 January, 1993.

Transmission was halted between 1331 and 1336 UT on 21 January to allow checks on the Tromsø antenna. A crowbar at 1905 UT on 22 January was followed by computer problems and a data gap until 1930 UT. A further gap of 40 minutes, due to computer problems, occurred after 20 UT on 24 January.

A serious fault in the Tromsø antenna elevation drive motor developed at 0925 UT on 25 January and the experiment was stopped at 0937 UT. Attempts were made to repair the motor but it became apparent that this would not be possible on site. A spare motor was requested from Kiruna, but in the meantime the scheduled experiment time was completed with field-aligned pointing only (CP-1 mode, see (2) below).

2. CP-1-J, 25 January, 1993.

This experiment was started when it became clear that the Tromsø antenna would not be able to resume scanning within the scheduled CP-2-E operation period. Although still called CP-1-J, the scheme used was essentially CP-1-K, which is identical with CP-1-J except that the remote antennas do not scan but take measurements continuously from the F-region common volume (279 km height). No problems were reported.

3. CP-6-B, 20-25 January, 1993.

Apart from a few very brief breaks in transmission, due to high reflected power and beam-blocks, there were no complications with this operation other than the two gaps due to computer problems mentioned in (1) above.