Date: April 12, 1991
To: EISCAT data representatives
From: Peter Collis
Subject: Common programme result tapes

Data from the following experiments have now been analysed and tapes 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.

(1991)

CP-2-D 11-13 January (1500 - 0800 UT)
CP-1-I 20-21 February (1000 - 1132 UT)
CP-3-F 17-20 March (1600 - 1500 UT)

Notes

1. CP-1-I, 12-14 February, 1991.

The results from this run have already been distributed. The following information is contained in the header records on the tape but was not explicity mentioned in my note of 26 February. A short period of heater operation occurred on 14 February in conjunction with an overpass of the Japanese AKEBONO satellite. The satellite experiment involved reception of ELF and VLF waves. The heater was on between 0553 and 0623 UT, transmitting at 4.04 MHz, x-mode, and amplitude-modulated at 2.5 and 4.0 kHz.

2. CP-2-D, 11/13 January, 1991.

This experiment ran well for the first 20 hours but problems starred in Tromsö following a crowbar at 0630 UT on 12 January. The crowbar was followed by a 2-hour gap caused by difficulties with the transmitter. A large number of DMA errors then occurred from the restart until the end of the experiment, leading to many short gaps in the results.

In Kiruna, a fault with the antenna azimuth drive occurred at 03 UT on 13 January, resulting in loss of data for the last 13 hours of the experiment.

3. CP-1-I, 20-21 February.

No reported problems.

4.CP-3-F, 17-20 March.

Tromsö data from 2154 UT on 19th March (when a crowbar occurred) to 0012 UT on 20th March were corrupted by a correlator fault. The raw data are not entirely useless, however, so a modified analysis was applied for this interval. In particular, the background subtraction is relatively poor (both power profile and ACF) and circumspection should be applied if these results are used. The main reason for including these on this result tape is for the velocity estimates, which should be least affected.