

Date: February 9, 1988
To : EISCAT data representatives
From : Peter Collis
Subject : CP result tapes

Analysis of the following common program experiments is now completed, and result tapes will shortly be sent to you. Plots of transmitter power and system temperature are enclosed.

1987 17/19 November CP1H
1987 24/26 November CP3E

1987 8/9 December CP3E
1987 15/16 December CP3E

1988 12/16 January CP4A

Notes

1) CP3E 24/26 November

Data were not collected between 0720 and 1610 UT on 25 November due to a transmitter fault.

2) CP3E 8/9 December

Densities were very low to the south of Tromso on both nights of this experiment, and there are significant gaps in the results from both Tromso and Sodankyla. However, signals were stronger at Kiruna, with fewer gaps.

3) CP4A 12/16 January

CP4A is a new common program, based on the UK-polar experiment. This first run contained periods with some very large velocities and ion temperatures. This experiment was interrupted twice for German special experiments; first at 1630 UT on the 14th for 1 hour, and then at 17 UT on the 15th for 4 hours.

The CP4A results on the tapes consist of 8 sets of parameter values from the ACF measurements. The first of these sets is from the analysis of the average of the measurements from the 7 independent frequency channels used in the experiment, and the remaining 7 sets are from the analysis of the individual channels themselves. Thus the first set of values should be statistically more accurate than the remainder, but the other 7 sets can be used to check for eg. Instrumental effects in the results.

4) A list of common programs from 1987 is enclosed.