December 10, 2004

KST UHF operation memorandum for the December 10, 2004 experiment

 (Using Netscape might be in trouble on this page.)

Experiment name: tau2pl (CP2)

This SP (CP2) is made to support a rocket launch from Andoya.   All associations have contributed their SP times.

elan files:tau2pl-elan (just use taul2pl series)

Pulse scheme: tau2pl

Start time: 16:00 UT on December 10, 2004

End time: 04:00 UT on December 11, 2004

Participants: Satonori Nozawa, and Takuo Tsuda

Before our experiment: AAEV

After our experiment: nothing

Note: (time in UT)

December 10

       Raining.   Windy.   Terrible weather.   Temperature is 4 deg.

16:01 START

       at EROS4 console (UHF)

       runexp /kst/exp/tau2pl/tau2pl 16:00 cp2 NI

       (292.9 km is set automatically for tristatic measurements)

16:01 sod runexp /kst/exp/tau2pl/tau2pl 16:00 cp2 NI

       kir runexp /kst/exp/tau2pl/tau2pl 16:00 cp2 NI

16:01 enablerec

16:01 sod enablerec

       kir enablerec

16:08 at matilda

```
cd /home/eiscat/users/yogawa
guisdap_delta –a
    data path = /data/tau2pl_u_cp2_1.10HF_NI@uhf
            (from today, "HF" is added. Mike told me.)
    result path = /analysis/results/AUTO; 0 0 0 1 1

at another window
  cd /home/eiscat/users/yogawa
  update &
http://www.eiscat.uit.no/~eiscat/yogawa/index.html
http://www.eiscat.uit.no/~eiscat/yogawa/index_color.html
```

16:56 HRP
16:58 Tx 1412 kW
       Raining
17:38 X=-1:30
18:10 raining
18:11 still X=-1:30

19:46 Cancellation was decided.   It is windy at Andoya.

20:52 Strong particle precipitation was observed: $Ne = \sim 10^{12}$ m^{-3}

20:55 HRP
20:57 Tx 1582 kW

December 11
01:43 1500 kW
       snowing
03:59 HRP
04:00 1500 kW
04:01 stopexp (all sites)

slightly cloudy.　0 degree.

● AAEV: Aspect angle effects in the velocity of E-region coherent echoes
● A multi-instrument campaign involving EISCAT, CUTLASS (special mode), and STARE. The requested time is overscheduled and cancellation will occur depending on geophysical conditions (moderate to disturbed). The AAEV campaign is coordinated with the CRASE experiment so that if one is cancelled then another one will be run or vice versa. Altogether (AAEV+CRASE) 46 hours are requested while only 34 will be used.