

December 10, 2006

VHF operation memorandum for the December 10, 2006 experiment

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

Experiment name: sp_ni_pmaf: tau8 (CP4: one beam)

One klystron is used, so the TX power is about 1.1 MW.

Pulse scheme: tau8

Start time: 06:00 UT on December 10, 2006

End time: 12:00 UT on December 10, 2006

The engineer in charge is RALF.

Participants: Satonori Nozawa, and Taiki Watanabe
(Yasunobu Ogawa at ESR)

Before our experiment: Nothing

After our experiment: Nothing

Note: (time in UT)

December 10, 2006

Raining/Cloudy. Temperature is 1 deg.

Moved antenna to 30 deg

05:55 START at EROS4 console (VHF)

05:55 **runexp /kst/exp/tau8/tau8 5:56 lowel NI**

05:56 power up

05:59:30 enablerec

06:04 at matilda

```
guisdap -a  
/data/tau8v_lowel_1.11_NI@vhf
```

The analysis is interrupted due to a bug. Ingemar fixed it later on.

ESR observations did not go well, and were stopped due to a TX problem.

07:38 ESR recovered.

09:32 3 deg. Raining.

09:41 > anacont (To continue guisdap analysis when it stops due to error)

09:42 guisdap (by hand: not update the web)

vizu

click "update" to update

10:00 1248 kW -> 1110 kW (value on rtg is not correct)

12:00 stopexp

Summary

Very stable operation. But the ionosphere is not high and the weather is bad...

sp_ni_pmaf

We run the VHF radar and ESR with CP4 mode together with optical instruments. The target is to investigate PMAF(poleward Moving Aurora Form)-like phenomena.

Also, we will have conjunction observations with REIMEI satellite at four times during the period. Satonori Nozawa will take care of the VHF radar observations, while Yasunobu Ogawa will take care of ESR observations