## KST UHF operation memorandum for the December 12 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 12, 2004**

**End time: 04:00 UT on December 13, 2004**

Participants: Satonori Nozawa, and Takuo Tsuda

Before our experiment: AAEV

After our experiment: nothing

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Note: (time in UT)

December 12

       Snowing. Temperature is -2 deg.

       This is the 8th day for the Delta Campaign.

       At last, the sounding rocket was launched.

16:00  START

       at EROS4 console (UHF)

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

       (292.9 km is set automatically for tristatic measurements)

       Tx is on (1402 kW)

16:00  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**

16:04   at matilda

cd /home/eiscat/users/yogawa

guisdap_delta –a

data path = [/data/tau2pl_u_cp2_1.10HF_NI@uhf](/data/tau2pl_u_cp2_1.10HF_NI@uhf)

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

16:06   Tx 1419 kW

17:35      snowing

It is also clody/snowing at Skibotn.   It is NOT windy at Andoya

20:19   still X=-1:30

23:27   1574 kW

December 13

00:21   Decided to launch.

00:22   "count-down" got started

00:32:57  **LAUNCH!!!!!!**

02:15   clear sky, - 6 degrees

03:34   clear sky, - 8 degrees

04:00   stopexp (all sites)

clear sky, - 10 degrees

- 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.