

November 23, 2003

KST UHF operation memorandum for November 23 BY K. Adachi

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

Experiment name: tau2pl with the field-aligned-position :(184.0, 77.1, 292.9)
pointgeogr (69.014, 19.116, 292.9)

We will make an optical campaign using high resolution aurora cameras and 4-wavelength photometer with EISCAT UHF radar. Norway will contribute 6 hrs. NI(6), NO(6)

elan files: tau2pl.élan

Directory: /kst/exp/tau2pl/tau2pl

Pulse scheme: tau2pl with HFLT5423

Start time: 19:00 UT on November 23, 2003

End time: 23:00 UT on November 23, 2003

Participants: Kazuhiro Adachi, Satonori Nozawa, Yuichiro Tanaka, and Maarten Blixt.
(Prof Miyaoka is at PRE making optical measurements.)

Before our experiment: nothing

After our experiment: arc1 (CP) unti 01 UT on November 24.

VHF is not running.

Heating is not running.

Note: (time in UT)

November 23

It was cloudy.

18:59 START

runexp /kst/exp/tau2pl/tau2pl 19:00 cp1 NI 292.9

19:01 kir runexp /kst/exp/tau2pl/tau2pl 19:00 cp1 NI 292.9

sod runexp /kst/exp/tau2pl/tau2pl 19:00 cp1 NI 292.9

set local oscillators as follows: LO2-1 = 128.0, LO2-II = 122.0

19:01 enablerec; kir enablerec; sod eneablerec
19:05 1180 kW
19:20 k ir webtg
19:33 HRP
19:36 1222 kW
19:40 it is cloudy. There is particle precipitation.
19:48 HRP
19:51 1193 kW
21:13 HRP
21:14 1202 kW
21:18 Bright aurora appeared in real time sky images.
21:47 Begin a solar eclipse in Antarctica.
23:00 stopped experiment and started arc1 cp1 CP

Summary:

Moderate Tx power (about 1200 kW).

Tx is stable.

Weather was partially cloud.

Geomagnetical activity was high.
