

October 18, 2006

KST UHF operation memorandum for the October 17 (18), 2006 experiment

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

Experiment name: sp_ni_con: tau2pl (CP1)
pointheight 185.1 77.5 299.6

elan files:puny :/kst/exp/tau2pl/tau2pl.elan

Pulse scheme: tau2pl

Start time: 00:00 UT on October 18, 2006

End time: 01:00 UT on October 18, 2006

00:49 UT REIMEI PASSED BY ABOVE TROMSØ

2006-10-18 00:49:23 UT (19.2008°E, 68.9114°N, 660.330 km)

Viewing from Tromsø is Az=180.8°, El=82.8°

Participants: Satonori Nozawa, and Takuo Tsuda

Before our experiment: ASK

After our experiment: Nothing

Other instruments.

Photometer, STEL digital camera (1-min interval), NIPR digital All-sky camera (30-sec interval), STEL proton imager.

Note: (time in UT)

October 17

Clear Sky!. Temperature is 3 deg.

00:00 **runexp** /kst/exp/tau2pl/taup2l **00:00 cp1 NI**

TX ON

00:01 sod runexp /kst/exp/ tau2pl / tau2pl 00:00 cp1 NI

kir runexp /kst/exp/ni/ tau2pl / tau2pl 00:00 cp1 NI

00:01 enablerec

kir enablerec

rtg

webtg

00:06 sod enablerec

00:13 at matilda

guisdap -a

Cloudy

00:15 1.5 MW (according to guisdap, while 2182 kW in rtg: rtg is wrong)

00:35 SNR at remote is good.

5% Kiruna, 2% Sodankylae

01:00 stopexp (all sites)

Summary

Now break. Moderate activity in the E and F region was found. However, it was cloudy during the SP hour (00-01 UT)

Descriptions of SPs

sp_ni_mi

We will make an optical campaign using aurora cameras, proton imagers and 4-wavelength photometer with the EISCAT UHF radar. Clear sky and higher geomagnetic activity are desired. Although we made request for 5 nights, we will run only 3 nights depending on conditions.

ASK

Optical campaign with the ASK (auroral structure and kinetics) instrument deployed at Tromsø.

Experiments to be used are arc, tau2pl and a new experiment to be developed

Hours are from UK(36) SW(20) NO(?)