

January 14, 2009

KST UHF operation memorandum for the January 14, 2009 experiment

1st day of DELTA-2 campaign

Experiment name: DELTA2: beata (CP2)

point rheight 185.8 77.4 299.6

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

Pulse scheme: beata

Start time: 17:00 UT on January 14, 2009

End time: 21:00 UT on January 14, 2009

Participants: Satonori Nozawa, Yasunobu Ogawa and Shin Oyama.

Before our experiment: Nothing

After our experiment: Nothing

Other instruments.

STEL photometer, STEL digital camera (1-min interval), STEL proton imager (1-min interval), STE FPI, STEL imager (5577, 6300, etc.) NIPR all-sky camera, NIPR ATV (all-sky TV imager), NIPR WTV (wide-view TV imager).

Note: (time in UT)

January 14, 2009

Snowing, and -5 deg.

16:43 **runexp** /kst/exp/ beata/beata **16:48 cp2 NI**

16:49 rtg

16:54 Tx up

16:59 enablerec

at EROS5 console (UHF)

17:02 Analysis start

```
cd /home/eiscat/delta2
```

```
guisdap -a
```

```
[Disp figure 00011]
```

1717 Tx down

1719 recovered

1723 Tx down

1725 recovered

1748 Decision (of cancelation of today's launch) was made.

21:00 **stopexp**

snowing, -5 deg C.

Summary

The activity of the ionosphere was relatively low. However, after the experiment (22UT), the aurora showed up on the patchy cloudy sky...

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)