

January 15, 2009

**KST UHF operation memorandum for the January 15, 2009 experiment**

*2<sup>nd</sup> day 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 15, 2009**

**End time: 21:00 UT on January 15, 2009**

Participants: Satonori Nozawa, Yasunobu Ogawa, and Shi-ichiro 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).

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Note: (time in UT)

January 15, 2009

Snowing, and -5 deg.

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

**16:49** rtg

**16:57 Tx up**

16:59 enablerec

at EROS5 console (UHF)

17:02 tana is down... We cannot start analysis...

cd /home/eiscat/delta2

guisdap -a

[Disp figure 00011]

Tx power is about 1.2-1.3 MW due to a polarizer problem.

1721 Tx down

1723 recovered

1726 reboot tb1000

1723 Tx down

1725 recovered

1830 “tana” is recovered, and then we can do analysis.

2000 Decision (of cancelation of today’s launch) was made.

2100 **stopexp**

partly clear sky -5 deg C.

## Summary

The activity of the ionosphere was relatively high. Aurora showed up!

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)