

January 19, 2009

**KST UHF operation memorandum for the January 19, 2009 experiment**

*6<sup>th</sup> 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 19, 2009**

**End time: 05:00 UT on January 20, 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)

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Clear sky, and -12 deg. Aurora is seen in the north.

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

**16:58 Tx up**

**17:01 rtg**

17:01 enablerec

at EROS5 console (UHF)

17:02 1.0 MW

17:10 1.3 MW (this is the best they can do)

18:26 Tx down

18:28 recovered

1.37 MW

19:03 Tx down

a bit serious?

Serious ?

20:37 recovered

1.3 MW

23:15 network down (for a few minutes?)

23:17 Tx down

23:20 recovered.

2159 Tx down

2202 recovered

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0118 Tx down

0120 recovered

1.3 MW

Aurora activity was higher.

Clear sky and -7 deg.

0235 Tx down

0237 recovered

0500 **stopexp**

## **Summary**

The activity of the ionosphere was high between 1700-0230 UT.

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)