

January 18, 2009

**KST UHF operation memorandum for the January 18, 2009 experiment**

*5<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 18, 2009**

**End time: 05:00 UT on January 19, 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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Partly clear sky, and -12 deg.

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

16:49 rtg

re-start the experiment

## **17:01 Tx up**

17:01 enablerec  
at EROS5 console (UHF)

1745 Tx down  
1747 recovered

1814 Tx down  
1815 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**  
partly clear sky -11 deg C.

## **Summary**

The activity of the ionosphere was high between 0130-0300 UT.

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)