

January 17, 2009

**KST UHF operation memorandum for the January 17, 2009 experiment**

*4<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 17, 2009**

**End time: 23:00 UT on January 17, 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 17, 2009

Clear sky, and 0 deg.

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

**16:49** rtg

**16:58 Tx up**

17:00 enablerec

at EROS5 console (UHF)

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

1716 Tx down  
1717 recovered  
1720 Tx down  
1721 recovered  
1724 Tx down  
1725 recovered  
1734 Tx down  
1735 recovered

Tx power is set to be about 1.1 MW.

2300 **stopexp**

partly clear sky -5 deg C.

### **Summary**

The activity of the ionosphere was a bit high. We saw aurora, but the stronger one was in the north of Tromsø and did not come over us.

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)