

January 16, 2009

**KST UHF operation memorandum for the January 16, 2009 experiment**

*3<sup>rd</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 16, 2009**

**End time: 23:00 UT on January 16, 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 16, 2009

cloudy, and -1 deg.

16:48 **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 very very low.

cp2 antenna pattern

FA (185.8, 77.4)

E (166.5, 59.4)

EM (133.3, 56.8)

V (180.0, 90.0)