

October 15, 2004

**KST UHF operation memorandam for October 15 BY S. Nozawa**

*(Using Netscape might be in trouble on this page.)*

Experiment name: arc1 (normal arc1 with the field-aligned-position:(184.0,77.1, 292.9)

We will make an optical campaign using NIPR cameras and 4-wavelength photometer with EISCAT UHF radar. NI(16)

elan files: arc1.elan

directory: /kst/exp/arc1/arc1

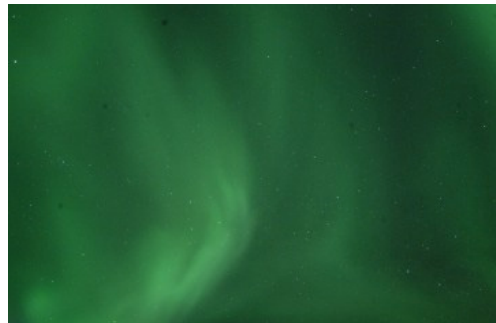
Pulse scheme: arc1

Start time: 19:00 UT on October 15, 2004

End time: 23:00 UT on October 15, 2004

Participants: Satonori Nozawa, Takuo Tsuda and Keigo Okada

(Dr Hiroshi Miyaoka is operating his instruments at PRE)



Before our experiment: Nothing

After our experiment: Nothing

VHF is running (tau8) until 23:00

Heating is off

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Note: (time in UT)

October 15

It was a very nice day. A lot of sunshine at daytime. It was rather warm, 5 deg!

At 18:30, it was clear sky and the ionosphere was relatively active. We can see the aurora in the north. Great!

**19:00 START**

**runexp /kst/exp/arc1/arc1 19:00 cp1 NI**

**enablerec**

**kir runexp /kst/exp/arc1/arc1 19:00 cp1 NI**

**sod runexp /kst/exp/arc1/arc1 19:00 cp1 NI**

19:00-19:13 **Tx got a problem.**  
19:12 enablerec  
19:14 1820 kW  
19:18 guisdap -a (start analysis)  
19:34 2023 kW  
19:44 Tx power down  
19:47 1820  
20:03 Tx power down  
20:05 1742 kW  
20:16 Tx power down  
Beautiful aurora showed up  
20:41 Tx power down  
20:45 1600 kW (Tx power lowern)  
21:00 Tsys=133 K

**23:01 stopexperiment**

**kir stopexp**

**sod stopexp**

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**Summary:**

**Moderate Tx power (about 1300-1500 kW ??).**

**Tx was unstable. Good weather.**

**Geomagnetical activity was relatively high.**  
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