

KST UHF/VHF radars operation memorandum for an experiment on 01 November 2010

[General information]

Experiment name & PI : Reimei_UHF/Reimei_VHF; Prof. M. Hirahara
Scheduled start/end time : 2010-11-01 22:00 – 2010-11-02 02:00 UT
Pulse scheme (so-called type if any such as “CP1”) : CP1 tristatick for UHF; vertical for VHF
elan file : beata for both (but employed F14 for the UHF instead of F12)

operator(s) : S. Oyama
experiment before us : N/A
experiment after us : N/A

Recording start at : 22:00 on 01 November 2010 for UHF; 22:03 on 01 November 2010 for VHF
Recording stop at : 01:59:50 on 02 November 2010 for the both radars

[Weather information]

very bad weather, rainy and strong wind

[Heating operation]

no

[Co-operated instruments]

- Optical instruments at Tromsø
 - STEL: FPI, ASCs (ASC12, Proton), photometer, DC
 - NIPR: DC

[Description of the experiment]

We conduct coordinated EISCAT-Reimei observations of nightside auroral phenomena. We will also run several optical instruments (e.g., All sky and wide view TV imagers) in the EISCAT Tromsø site. CP-1/CP-3 mode (with beata code) will be used for the UHF radar.

[Memorandum]

time	comment
21:48	@UHF: runexp /kst/exp/beata/beata fm cp1 NI 250
21:49	@UHF: rem kir runexp /kst/exp/beata/beata fm cp1 NI 250
21:49	@UHF: rem sod runexp /kst/exp/beata/beata fm cp1 NI 250
21:50	@UHF: rem ksu printexp temporal data recording was confirmed.
21:51	@UHF: rem ksu printant confirmed the tristatic height of 250 km
21:52	@VHF: runexp /kst/exp/beata/beata fm zenith NI
21:53	@VHF: printexp confirmed a temporal data recorded
21:54	@VHF: printant all four panels direct 90 degrees.
22:00	@UHF: rem ksu enablerec
22:01	@VHF: stopexp 'cause some troubles on the transmitter
22:03	@VHF: runexp /kst/exp/beata/beata fm zenith NI
22:03	@VHF: enablerec
22:13	@UHF: guisdap analysis starts
22:15	@VHF: guisdap analysis starts
22:25	@UHF: kir webtg
22:25	@UHF: sod webtg
01:01	@UHF: crawbar

01:05 @UHF: Tx power ~ 1670 kW
01:53 @UHF: **rem ksu stopexp 01:59:50**
01:53 @VHF: **stopexp 01:59:50**

[Brief summary of the experiment]

The magnetometer at Tromsø and the radar data showed some activity from 21 to 00 UT on 01 November. The weather was bad, like storm.