

KST UHF/VHF radars operation memorandum for an experiment on 25-26 November 2011

[General information]

Experiment name & PI : UV_FPIL; Oyama, Shiokawa, Tsuda, La Hoz
Scheduled start/end time : 2011-11-25 20:00 – 2011-11-26 04:00 UT
Pulse scheme (so-called type if any such as “CP1”) : vertical for UHF/VHF
elan file : beata for UHF (F14) and mandas for VHF (F10)

operator(s) : S. Oyama, T. Tsuda
experiment before us : China
experiment after us : N/A

Recording start at : 20:00 on 25 November 2011 for UHF; 20:18 on 25 November 2011 for VHF
Recording stop at : 03:59:59 on 25 November 2011 for the both radars

[Weather information]

first cloudy

[Heating operation]

no

[Co-operated instruments]

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

[Description of the experiment]

Simultaneous observations with UHF (CP2), VHF (vertical), and STEL FPI and Na Lidar in the pulsating aurora.

[Memorandum]

time	comment
19:12	@UHF: runexp beata/beata 19:30 zenith SP
19:12	@VHF: runexp /kst/exp/manda/manda 19:35 zenith SP
20:00	@UHF: enablerec
20:00	negative power for manda, so we decided to use mandas after checking spectrum with beata
20:18	@VHF: runexp /kst/exp/ei/mandas/manda lm zenith SP
20:18	@VHF: enablerec
20:30	@VHF/UHF guisdap analysis started
03:40	@VHF/UHF: stopexperiment 03:59:59