

May 21/22, 2005

Io-A storm

Data acquisition using the GAGE CompuScope 1220 fast A/D converter. The A/D converter was connected to the output of the 1.5 MHz bandwidth receiver. The receiver was connected to the UFRO RHP TP antenna.

Folder	Autosave folders (50 files/folder)	Approx. UT of acq.	Comments
1	2005-05-21_21-07-03_CH01	Test file	
2	2005-05-21_21-46-24_CH01	01h 47m 20s	Some L bursts
3	2005-05-21_21-47-56_CH01	01h 48m 35s	Strong L bursts
4	2005-05-21_21-49-31_CH01	?	Good L bursts at end
5	2005-05-21_21-52-25_CH01	01h 53m 50s	Some L bursts
6	2005-05-21_21-55-05_CH01	01h 55m 20s	Some L bursts
7	2005-05-21_21-55-50_CH01	01h 57m 00s	Some L bursts

The best data are in folders 3 and 4

The following parameters were set for the A/D converter in Auto Save mode:

Sampling rate= 5 Ms/sec
Pre-trigger samples=500,032 samples
Post-trigger samples=500,032 samples
Number of acquisitions=50

Central frequency of the wide band receiver = 23.0 MHz
Receiver bandwidth = 1.5 MHz