

MRAO - SUG OBSERVATION REPORT

Observatory: MRAO
Location: Mountain Rest, South Carolina
Observer: Andrew S. Mount

Instrumentation: FSX-3,10bit
 RJ-1@20.1MHz

Event

Start Date of Event:	13 Sep 2013
End Date of Event:	13 Sep 2013
Storm Type:	Io B Event
Observer On Duty (UTC)	Unattended
Observer Off Duty (UTC)	Unattended

Spectrograph Settings

Channels	Range MHz	Color Offset	Color Gain	Comments
400	18-27	285	2.25	Ver 2.2.19

Jovian Storm Ephemerides

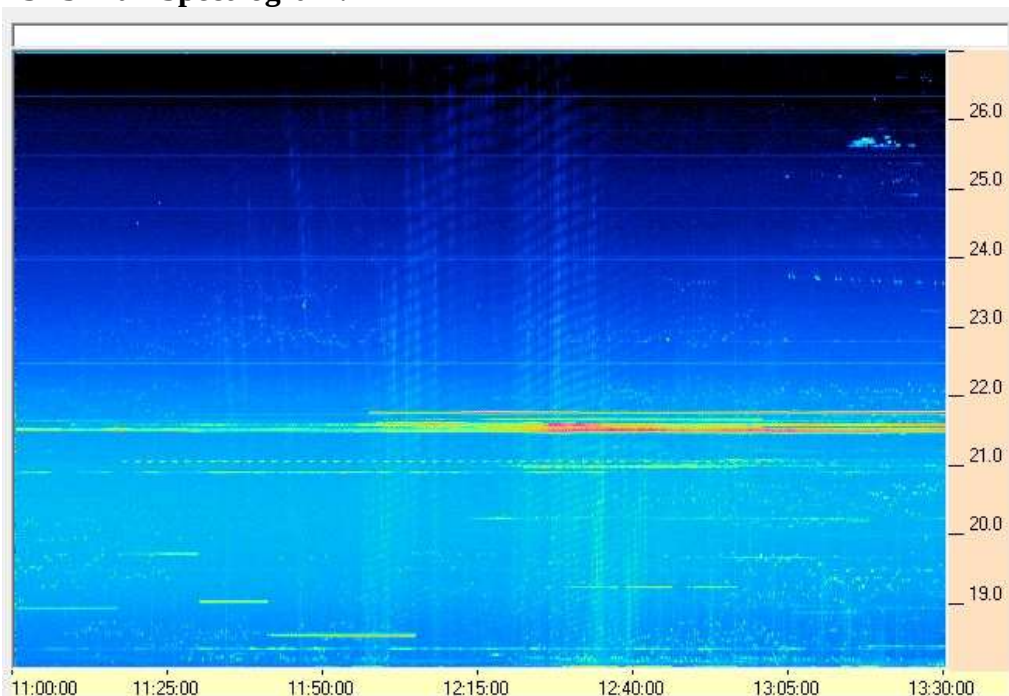
Interval	UTC	CML-III	Io SGC	Off Axis	D _E	J→S ∠	Δ J→E
Begin	11:00:00	+96.300	+75.655	+30.187	+1.85174231	+64.80433	+5.49908795
Center	12:05:00	+135.591	+84.796	+15.425	+1.85151067	+64.84147	+5.49846134
End	13:10:00	+174.883	+93.949	+2.500	+1.85127908	+64.87862	+5.49783454

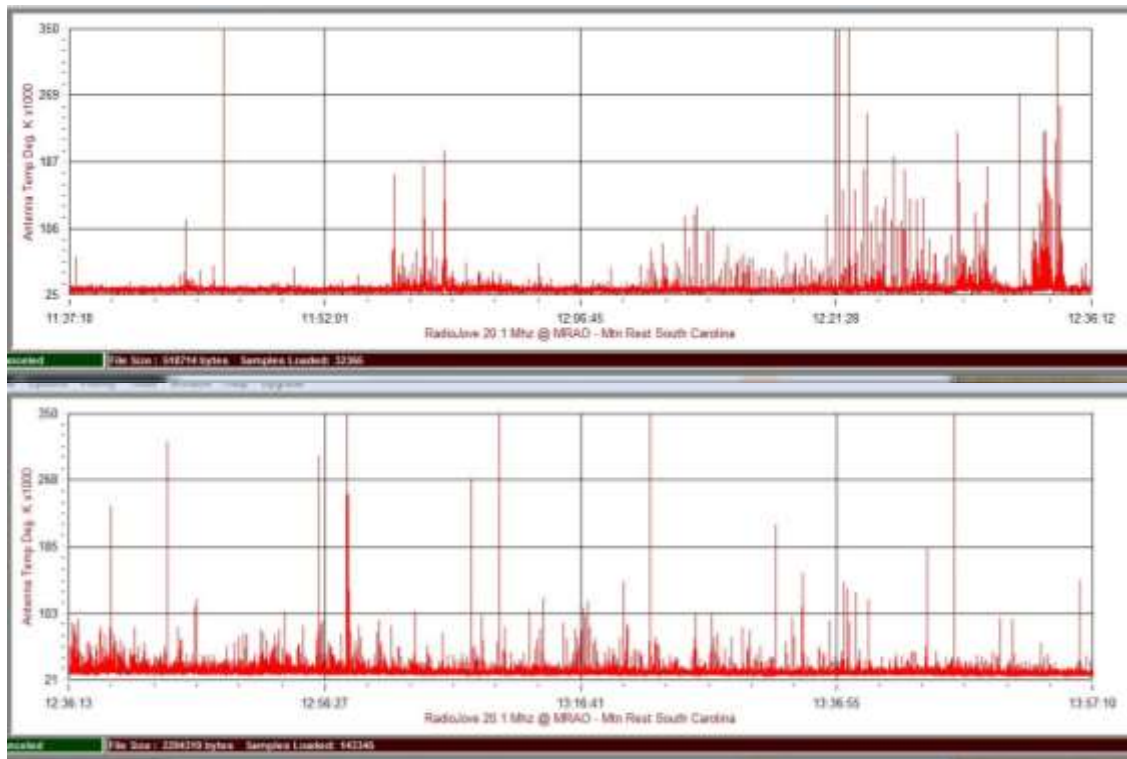
Data Files

Instrumentation	(MRAO-DMY- STORM)	Size (MB)
FSX-3	13 sep 13 IOB storm 11-13h UTC.sps	34.853
RJ-1	UT130913003613.spd	6.184

Notes: Io-B Event bulls eye!

FSX3- Full Spectrogram:



RJ-1 Tracing:**CML-Io Phase Plane & Sky-Antenna Map:**