

Date: 26 February 2017

**Object:** Jupiter – Io-B

Observer: JB/RF

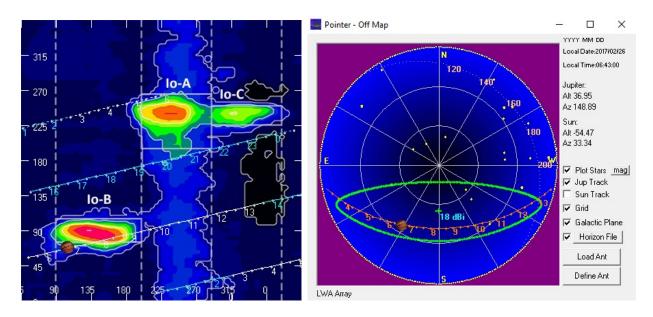
Start of pass:	0643 UT	Planetary K-index:	2 > 1
Jupiter Altitude:	37.0 degrees	Jupiter Azimuth:	148.9 degrees
Jupiter CML:	104.18	Jupiter Io Phase:	067.29
Jupiter RA:	13:25	Jupiter Dec:	-07:18
Hour Angle:	-01:38	Polarization	RCP
Sun Altitude:	-54.5 Degrees	Sun Azimuth:	033.3 degrees
Sun RA:	22:31	Sun Dec:	-09:20

End of pass:	0854 UT		
Jupiter Altitude:	41.4 degrees	<b>Jupiter Azimuth:</b>	190.9 degrees
Jupiter CML:	183.39	Jupiter Io Phase	085.66
Hour Angle:	00:33		
Sun Altitude:	-34.7 degrees	Sun Azimuth:	070.3 degrees

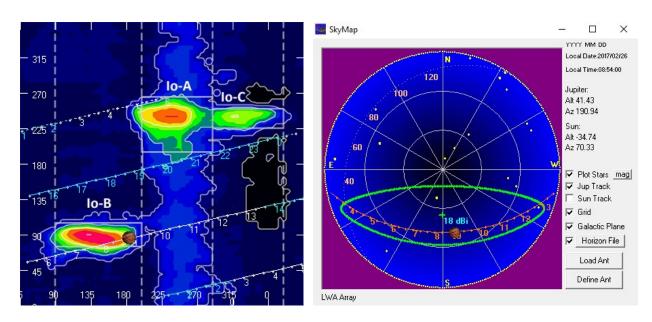
#### Observations made using:

- 1. FSX-8S fed by the TFD array
  - a. 7.7 dB loss between TFD and Multicouplers.
  - b. Connect to array through HNRAO Multicoupler #1 and #2, port 2
    - i. HNRAO Multicoupler #1 TFD/LCP
    - ii. HNRAO Multicoupler #2 TFD/RCP
      - 1. Port 1 having 10 dB of gain, all other ports have 3 dB gain.
- 2. FSX-2 fed by the LWA array directly
  - a. LWA element configuration 90 degrees
- 3. JOVE 2 receiver fed by phased JOVE dipoles @ 10'
  - a. 12' phase cable phased for 2016-17 season
  - b. Calibrated 4 February 2017
  - c. Connected to dipoles through HNRAO Multicoupler #3, port 1.
    - i. 3.165 dB loss between Multicoupler and dipoles.
- 4. Icom R75 receiver fed by experimental DDRR antenna directly.
  - a. Calibrated 4 February 2017
- 5. SDR
  - a. SDRPlay, RSP1 & RSP2





**Beginning of Pass** 

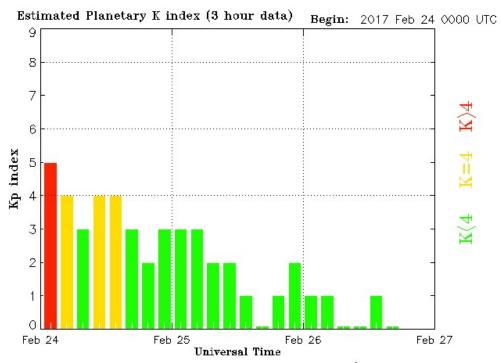


**End of Pass** 



X-ray Solar Flares

6-hr max: A8 1324 UT Feb26 24-hr: B1 0636 UT Feb26

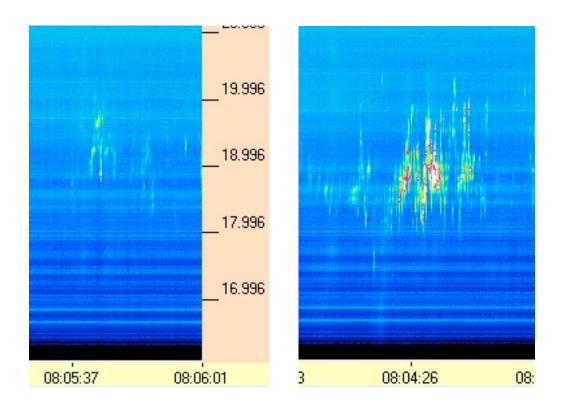


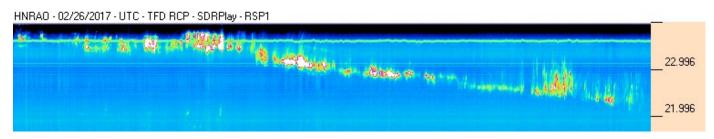
**Updated** 2017 Feb 26 18:30:03 UTC

NOAA/SWPC Boulder, CO USA



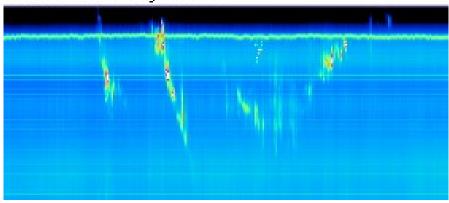
A low Io-B pass lasting 3.5 hours. S-bursts, L-bursts and N-events throughout the entire pass. There were both negative drift and positive drift N-events. There were both positive and negative drift modulation lanes.



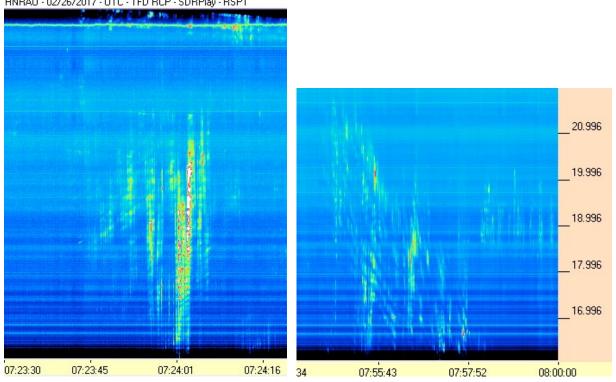




TFD RCP - SDRPlay - RSP1

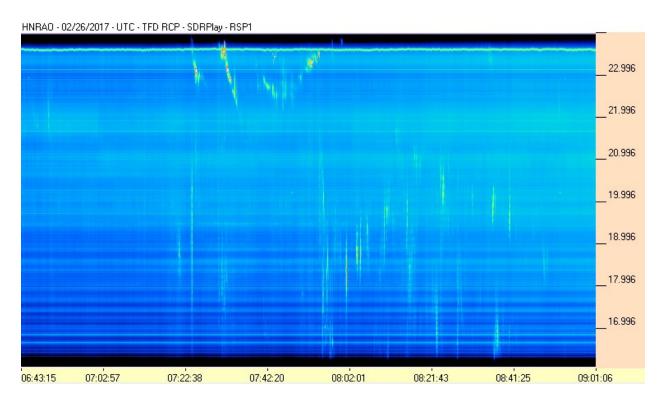




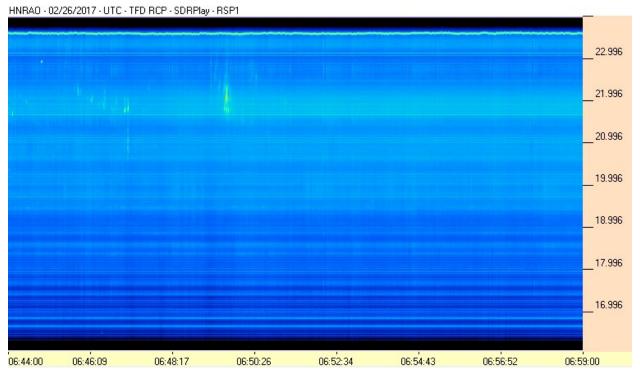


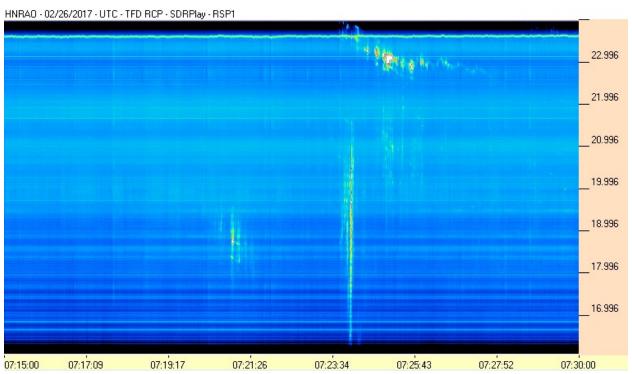


#### SDR RSP1/TFD RCP Pair

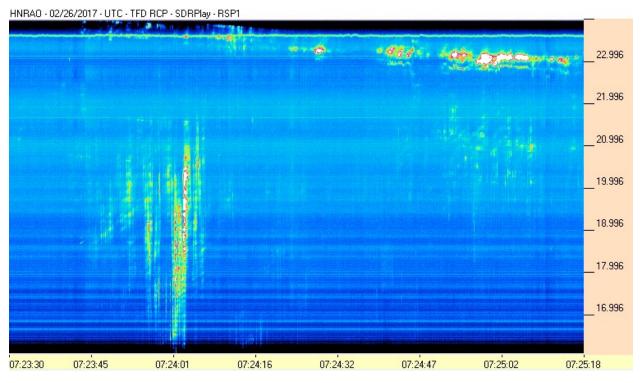


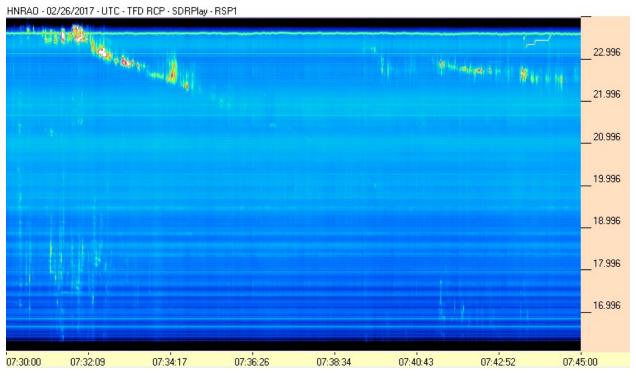




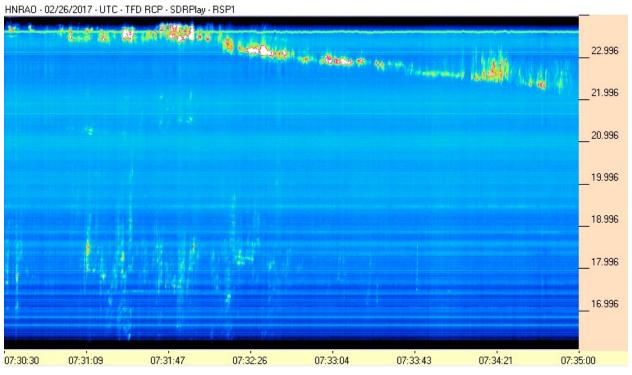


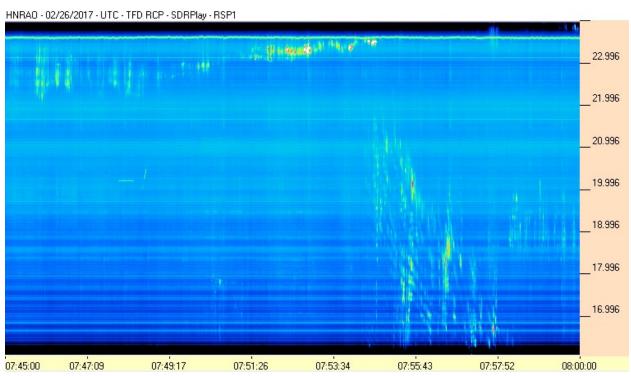




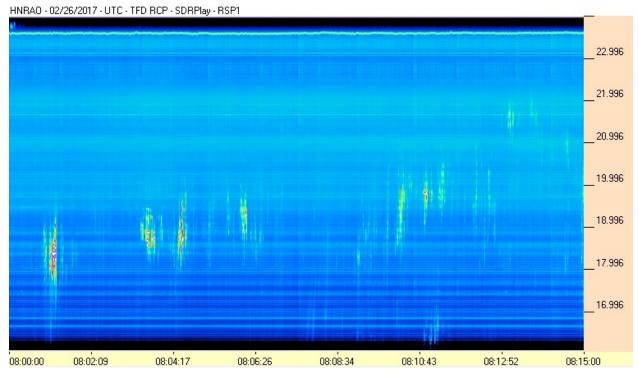


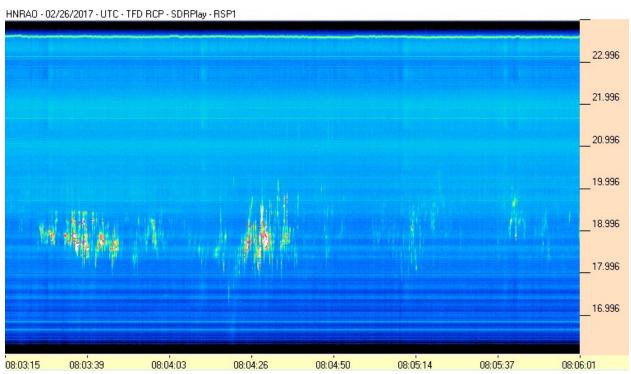




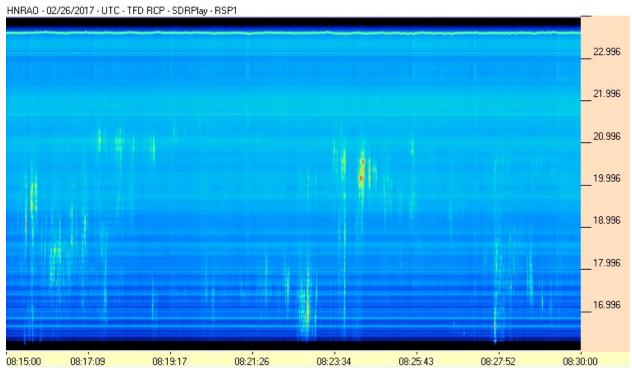


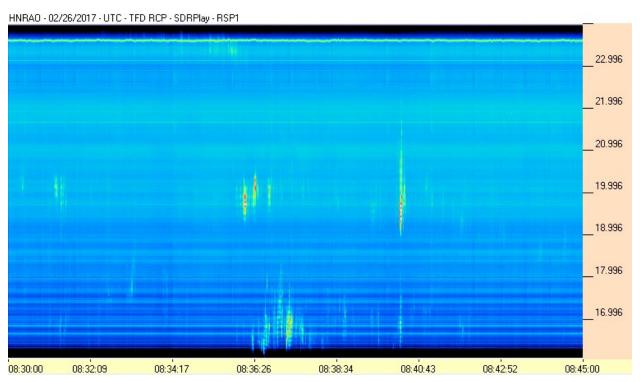




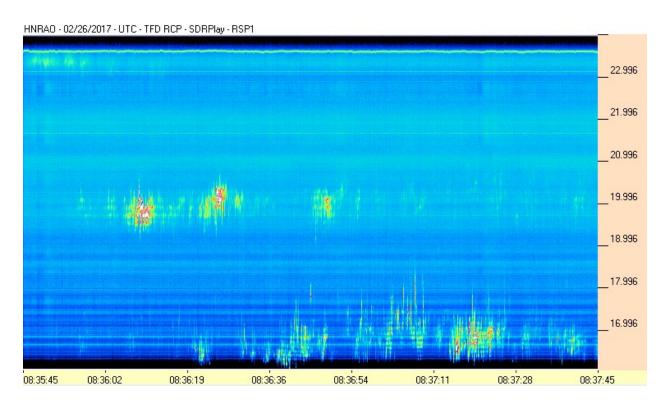




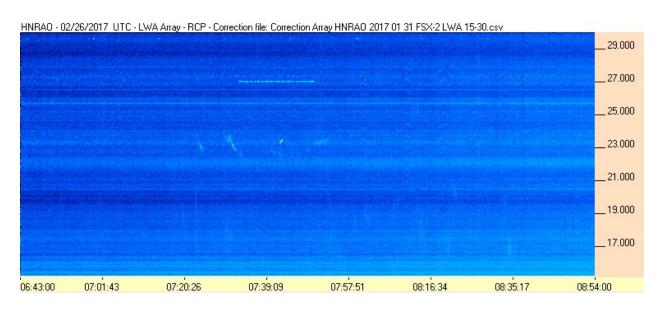




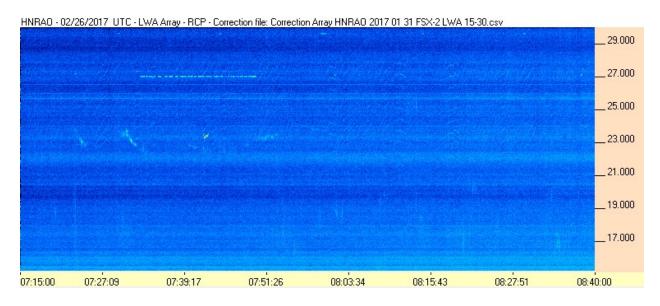


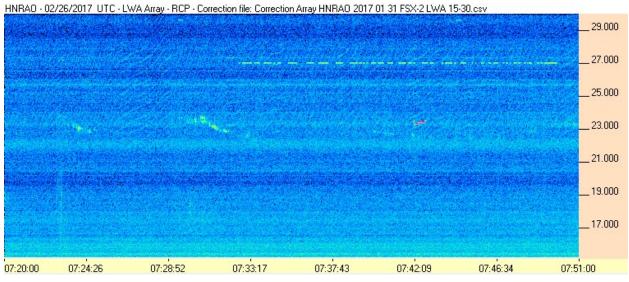


#### FSX-2/LWA Pair

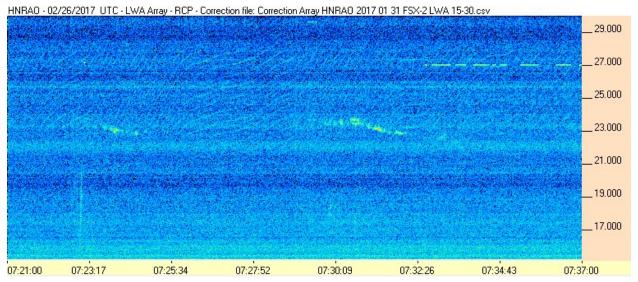














#### FSX-8S/TFD

