

**Subject:** [radiojove-data] 18 Apr 2016 Io-A

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**Date:** 04/23/2016 12:49

**To:** RadioJove-Data <radiojove-data@lists.nasa.gov>

Here's some Io-A from Monday morning.

RCP dominant L bursting 0031-0238 UTC from 16 to 24 MHz, negative drift emission envelopes.

Band noise, line noise, and regional lightning present.

The earliest set of bursts in the AJ4CO data look kind of like the individual arc shapes might be increasing in freq, which would mean non-Io-B. The latter portion of the storm is clearly Io-A, decreasing in frequency with time.

A comparison with the available Nancay data (their run ended at 0108 UTC) shows that the individual arcs were decreasing in frequency as expected for Io-A, even though the upper bound of the entire storm's frequency envelope was increasing in frequency.

Jupiter was  $-34^\circ$  to  $-3^\circ$  off axis.

Jupiter was trailing the Sun by  $135^\circ$ .

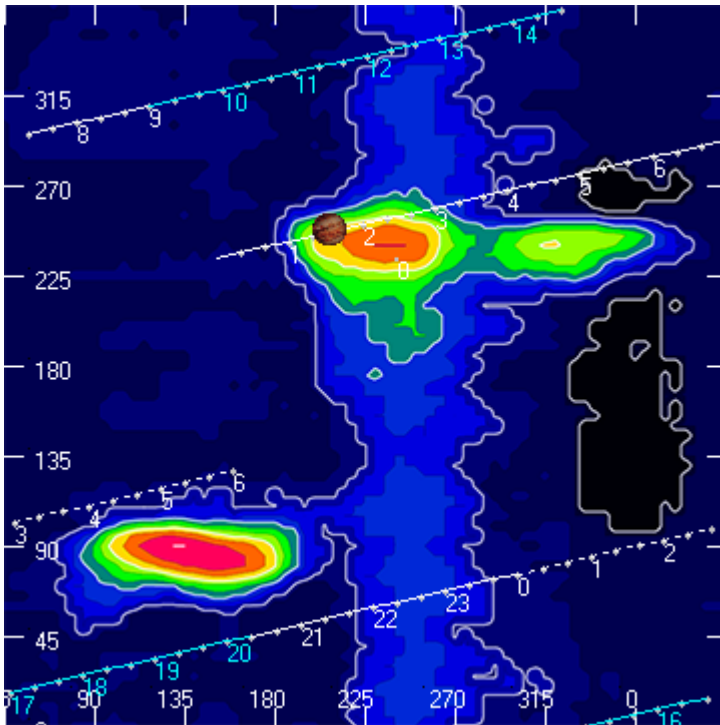
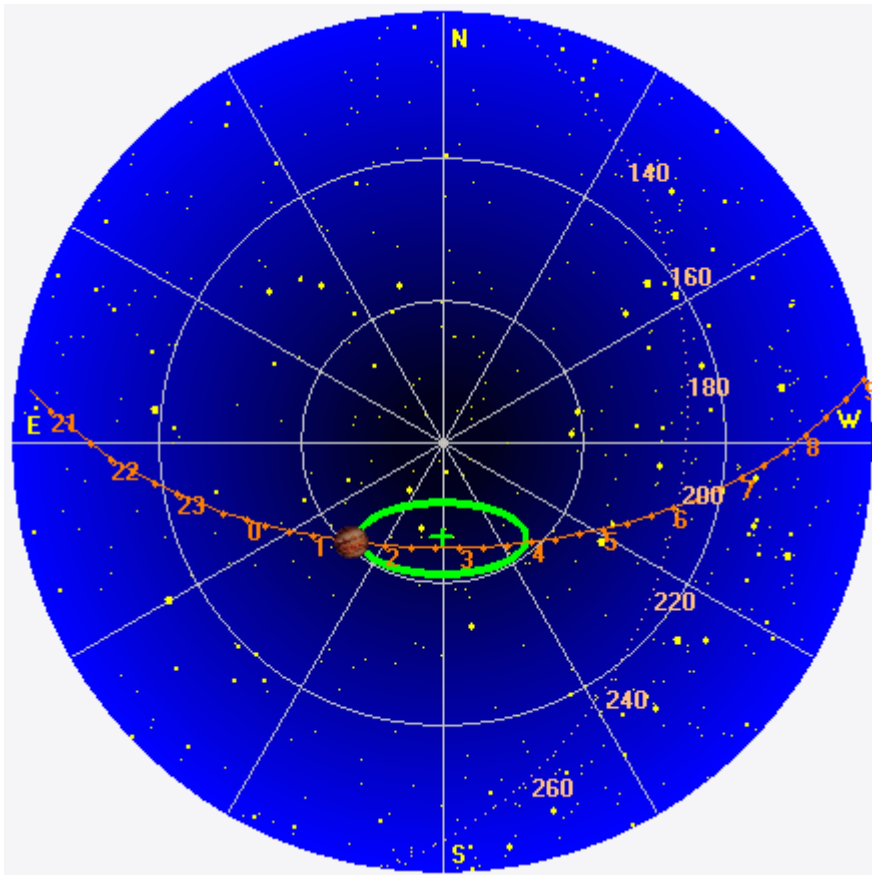
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Dave

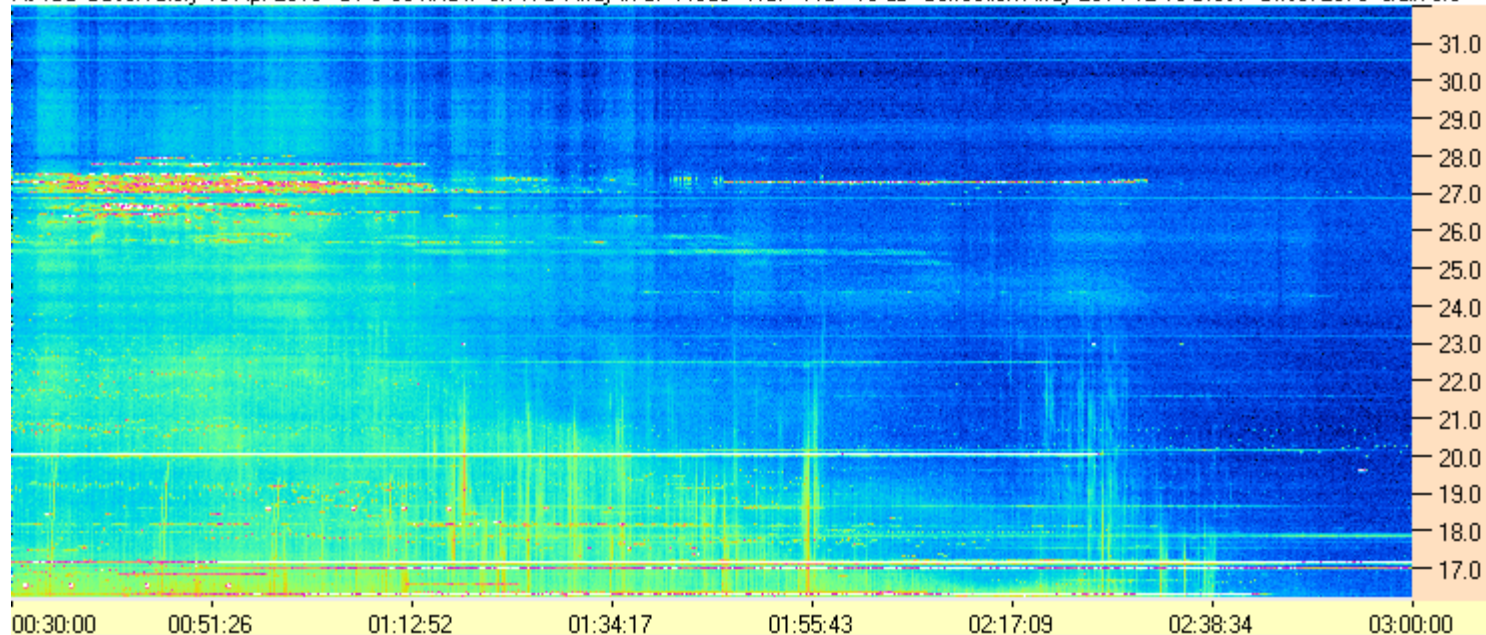
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**AJ4CO Observatory 18 Apr 2016, log entry 695**

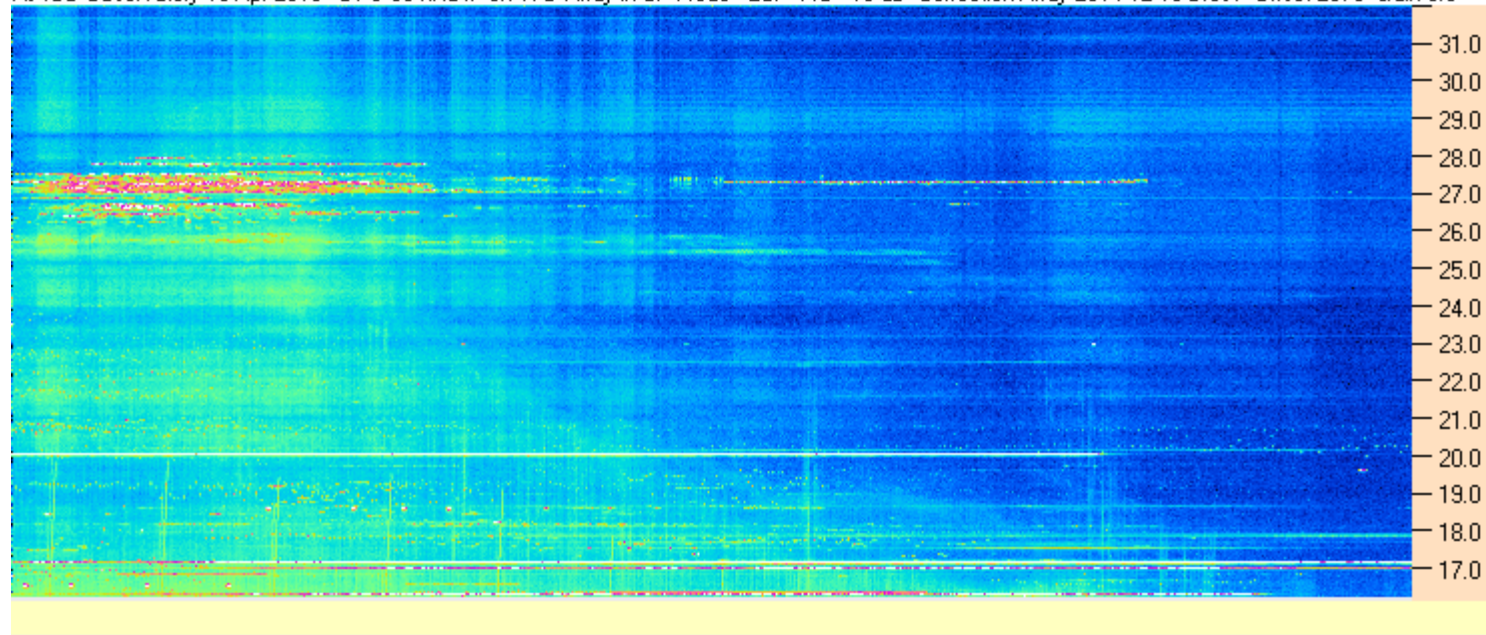
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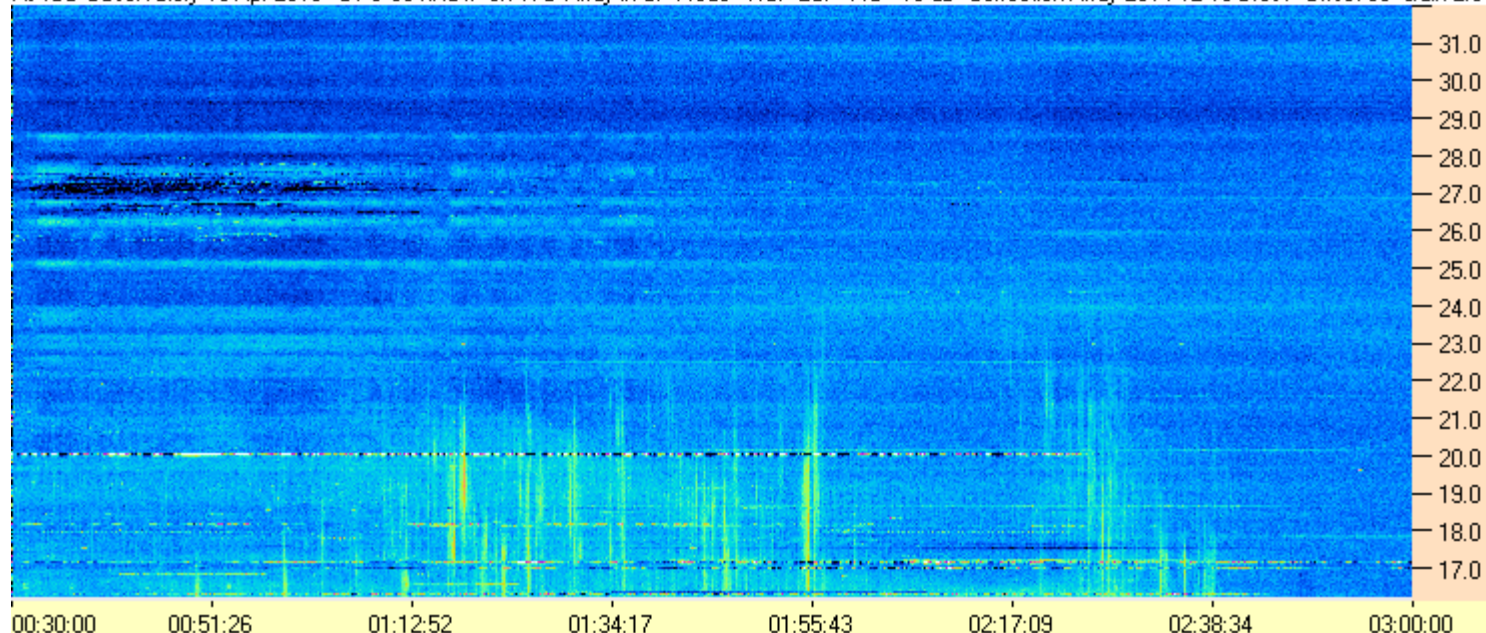
AJ4CO Observatory 18 Apr 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0



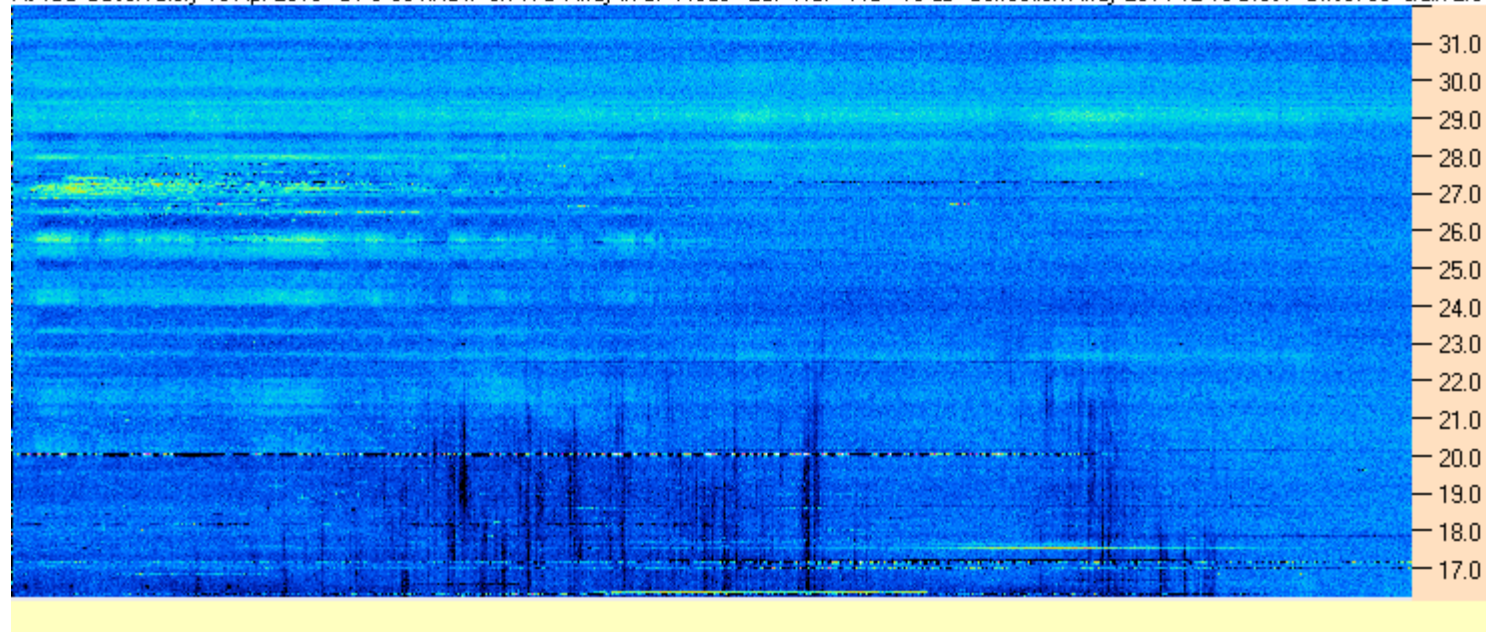
AJ4CO Observatory 18 Apr 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0



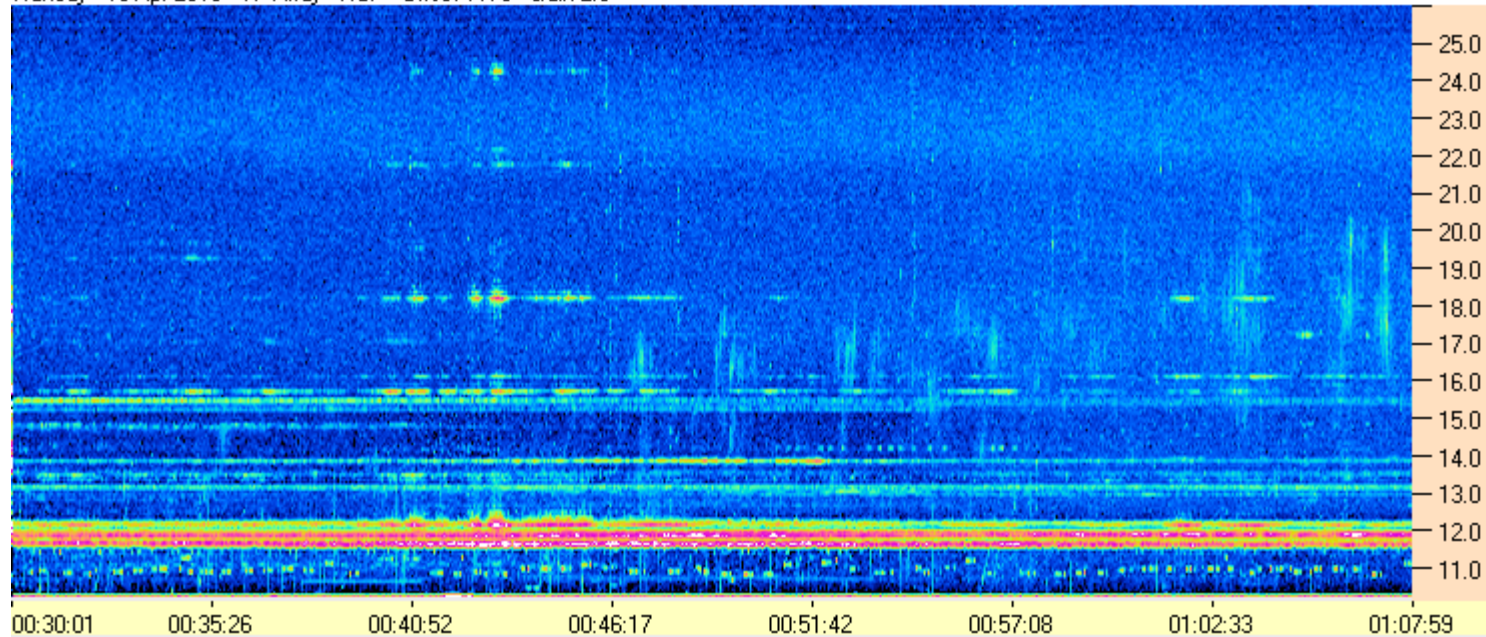
AJ4CO Observatory 18 Apr 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP-LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 50 Gain 2.0



AJ4CO Observatory 18 Apr 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP-RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 50 Gain 2.0



Nancay - 18 Apr 2016 - TP Array - RCP Offset 1175 Gain 2.5



Nancay - 18 Apr 2016 - TP Array - LCP Offset 1175 Gain 2.5

