

Subject: [radiojove-data] 14 Feb 2016 non-Io-B, non-Io-D, Io-A
From: Dave Typinski <davetyp@typnet.net>
Date: 02/14/2016 22:50
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Tom's nice report, here's some non-Io-B, non-Io-D, and Io-A from Sunday morning.

RCP dominant L bursting 0752-0837 UTC from 16 to 32 MHz, positive drift emission envelopes (non-Io-B).

LCP dominant L bursting 0826-0926 UTC from 16 to 23 MHz, positive drift emission envelopes (non-Io-D).

RCP dominant L bursting 0846-1009 UTC from 16 to 25 MHz, negative drift emission envelopes / vertex late arcs (Io-A).

Some weak line noise throughout the night, but not enough to hamper observation.

The polarization differences spectrograms turn out to be a very useful tool for separating and visualizing simultaneous RCP and LCP emission. Much easier to see the third non-Io-D upward LCP arc embedded in the batch of skinny downward RCP Io-A arcs.

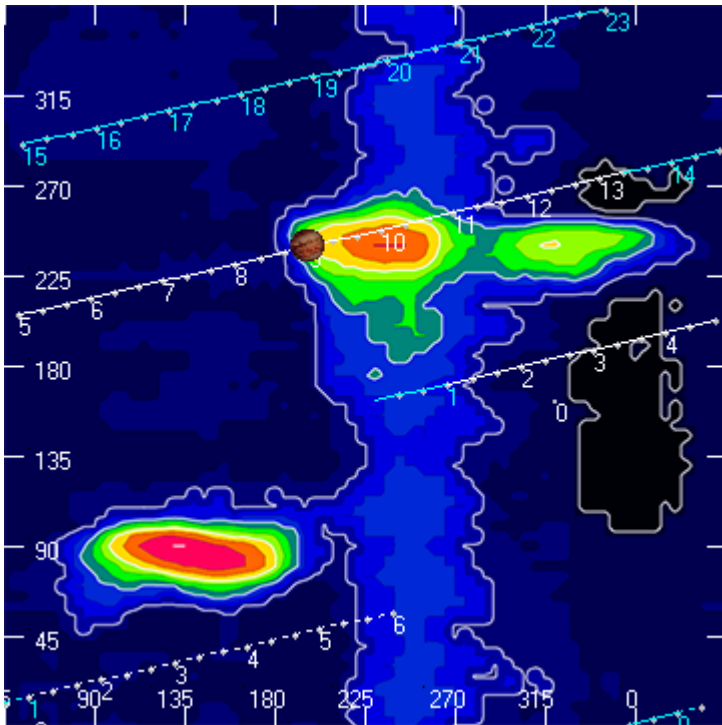
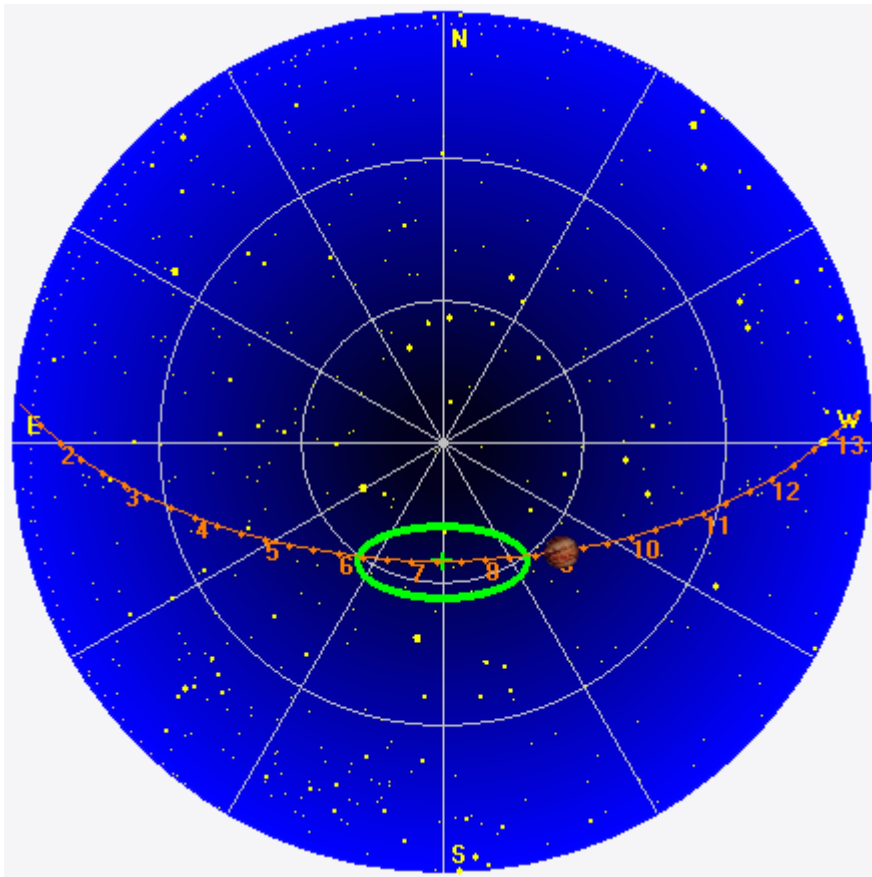
Jupiter was $+7^\circ$ to $+41^\circ$ off axis.

Jupiter was leading the Sun by 154° .

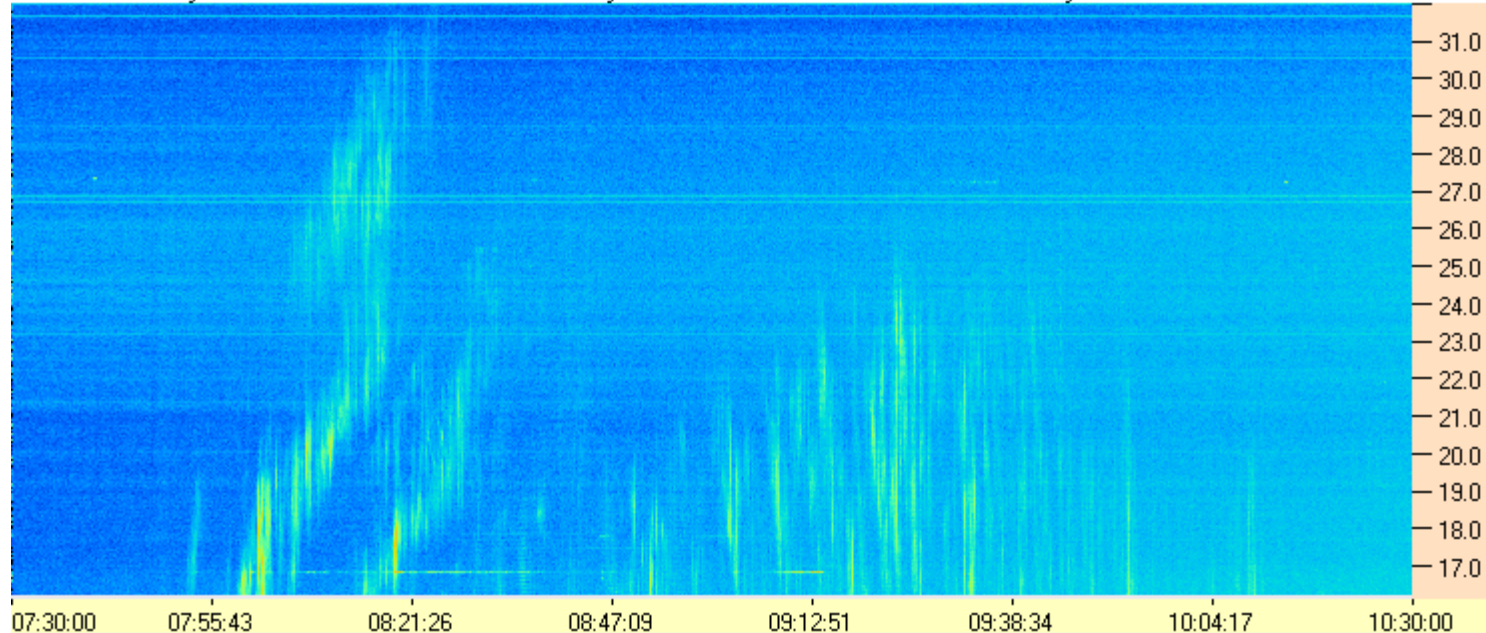
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Dave

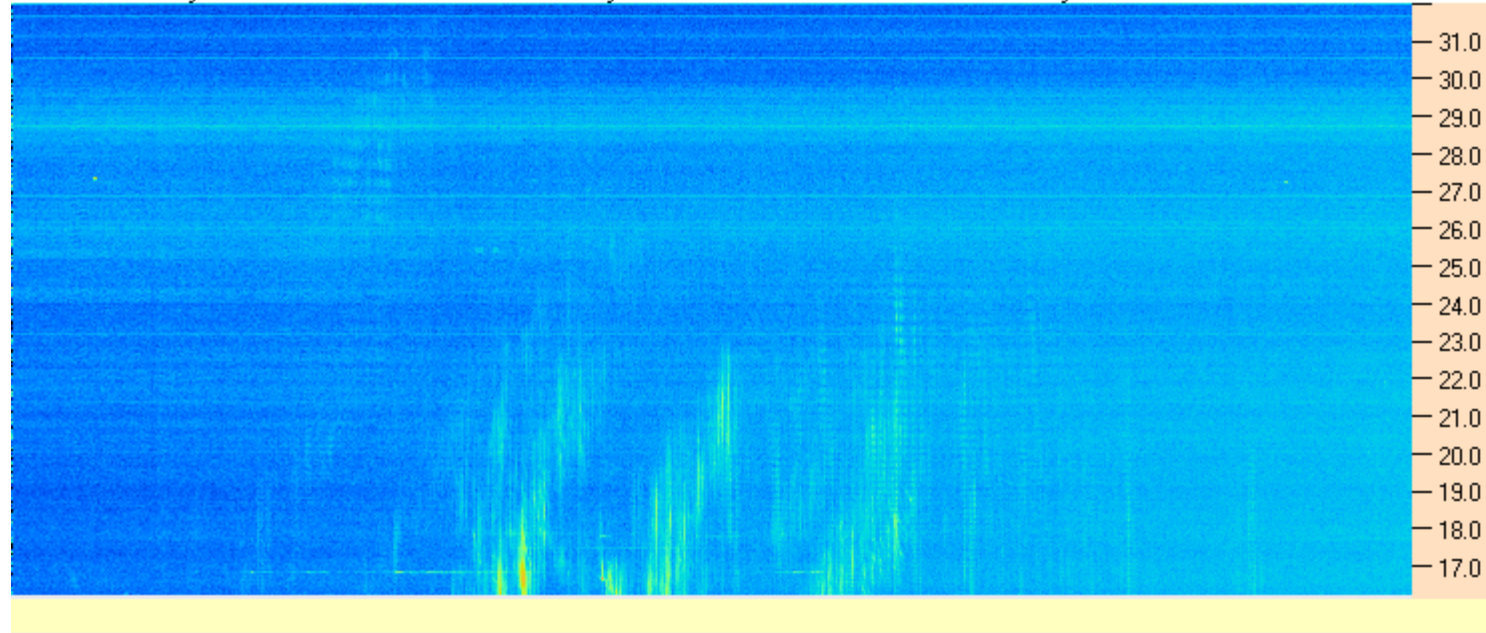
AJ4CO Observatory 14 Feb 2016, log entry 600 - 602



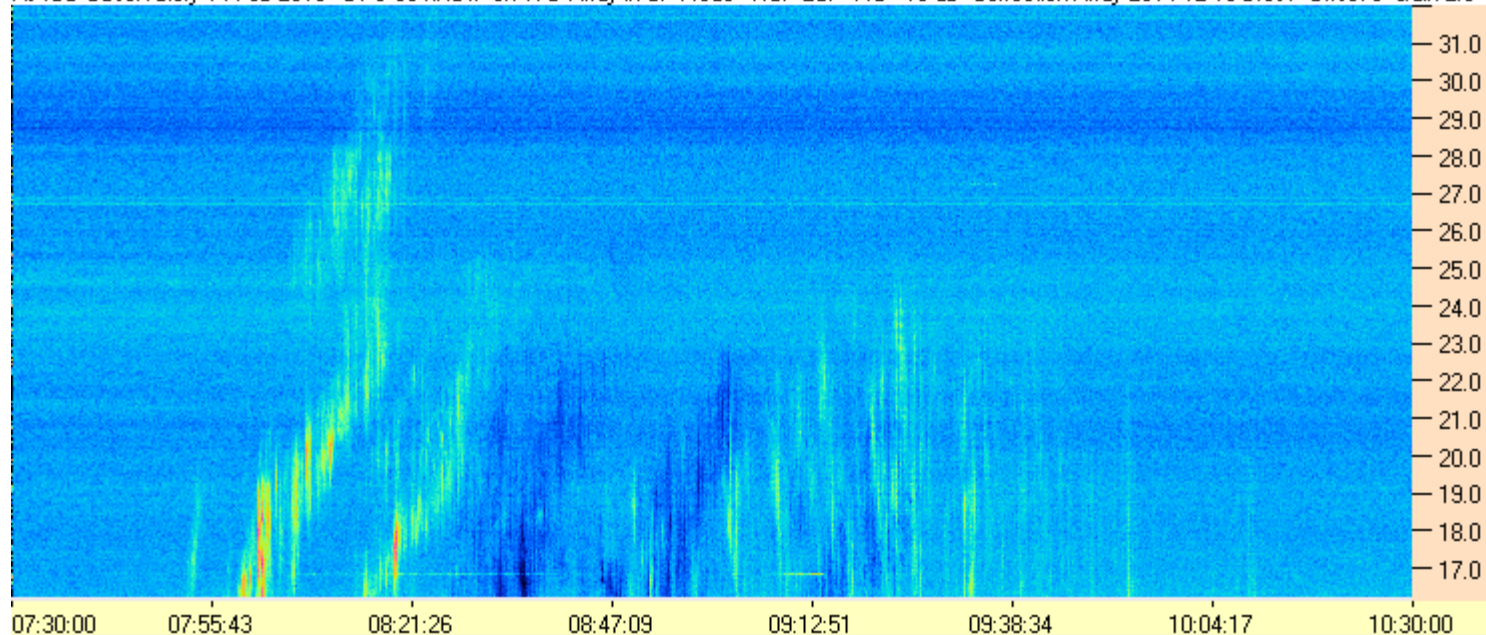
AJ4CO Observatory 14 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0



AJ4CO Observatory 14 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0



AJ4CO Observatory 14 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP-LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 0 Gain 2.0



AJ4CO Observatory 14 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP-RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 0 Gain 2.0

