

Subject: [radiojove-data] 10 Jul 2015 Io-B
From: Dave Typinski <davetyp@typnet.net>
Date: 07/11/2015 20:13
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Tom & Nathan's nice reports, here's some Io-B from behind the noise from Friday evening.

Very odd polarization flip. Before 2230 UTC and below 25 MHz it was RCP. After 2230 and above 25 MHz it was LCP.

Pulled the wideband hybrid, tests fine on the bench at 18 and 28 MHz. I don't know how to explain the polarization flip seen in the spectrogram.

RCP dominant L bursting 2110-2233 UTC from 16 to 25 MHz, vertex early arc. No modulation lanes visible.

LCP dominant L bursting 2231-2253 UTC from 26 to 32 MHz, vertex early arc. No modulation lanes visible.

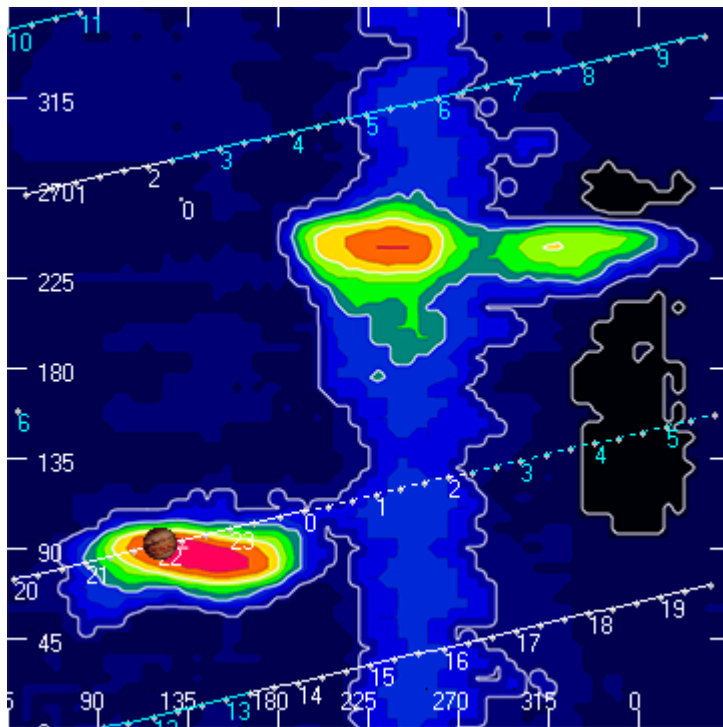
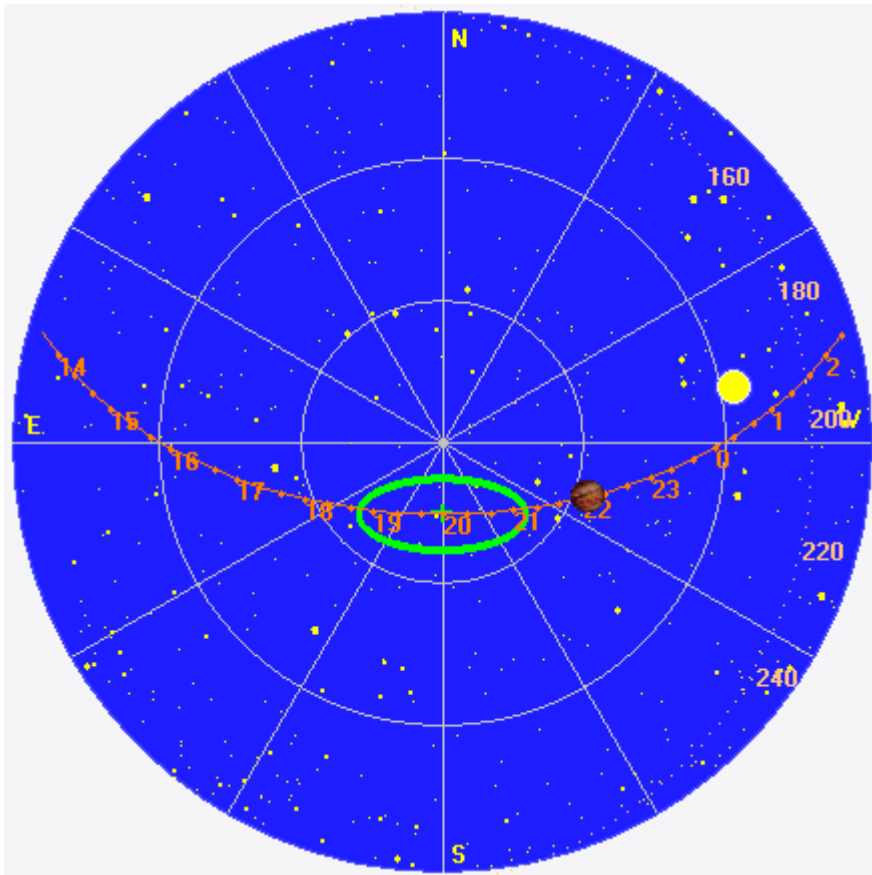
Jupiter was $+17^\circ$ to $+42^\circ$ off axis.

Jupiter was trailing the Sun by 35° .

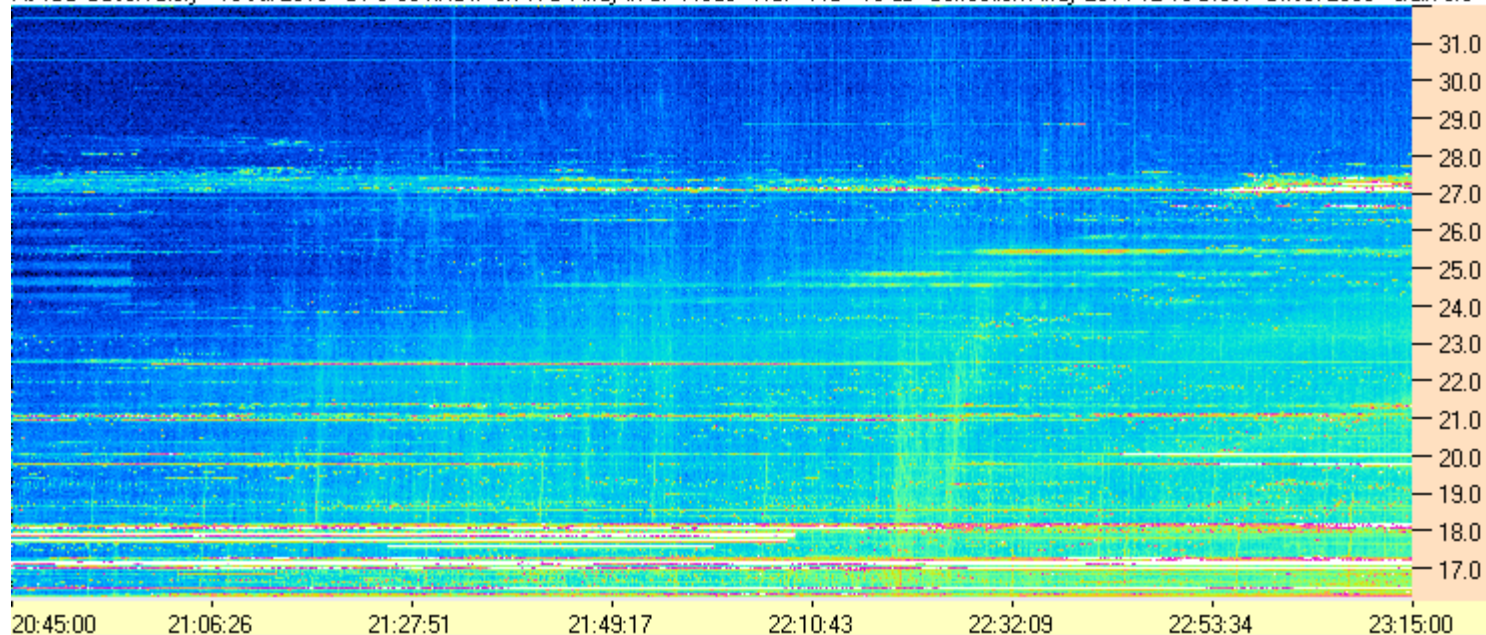
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Dave

AJ4CO Observatory 10 Jul 2015, log entry 432



AJ4CO Observatory - 10 Jul 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 5.0



AJ4CO Observatory - 10 Jul 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2800 Gain 5.0

