

Subject: [radiojove-data] 10 Feb 2016 Io-D, non-Io-A/C
From: Dave Typinski <davetyp@typnet.net>
Date: 02/14/2016 13:01
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Wes & Tom & Nathan's nice reports, here's some Io-D and non-Io-A/C from Wednesday morning.

LCP dominant L bursting 0542-0605 UTC from 16 to 21 MHz, positive drift emission envelope (Io-D).

RCP dominant L bursting 0601-0857 UTC from 16 to 27 MHz, negative drift emission envelope (non-Io-A).

LCP dominant L bursting 0905-0919 UTC from 16 to 18 MHz, negative drift emission envelope (non-Io-C).

Moderate line noise present throughout the night, so the overall spectrograms are made using the polarization difference method.

Saw the same lack of continuous (in frequency) emission reported by Wes (spectrograms for this are not using pol differences).

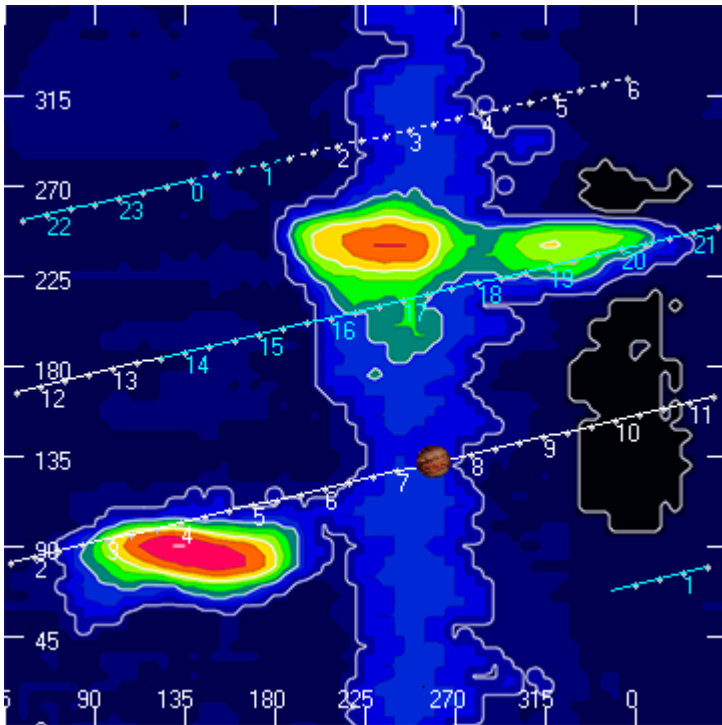
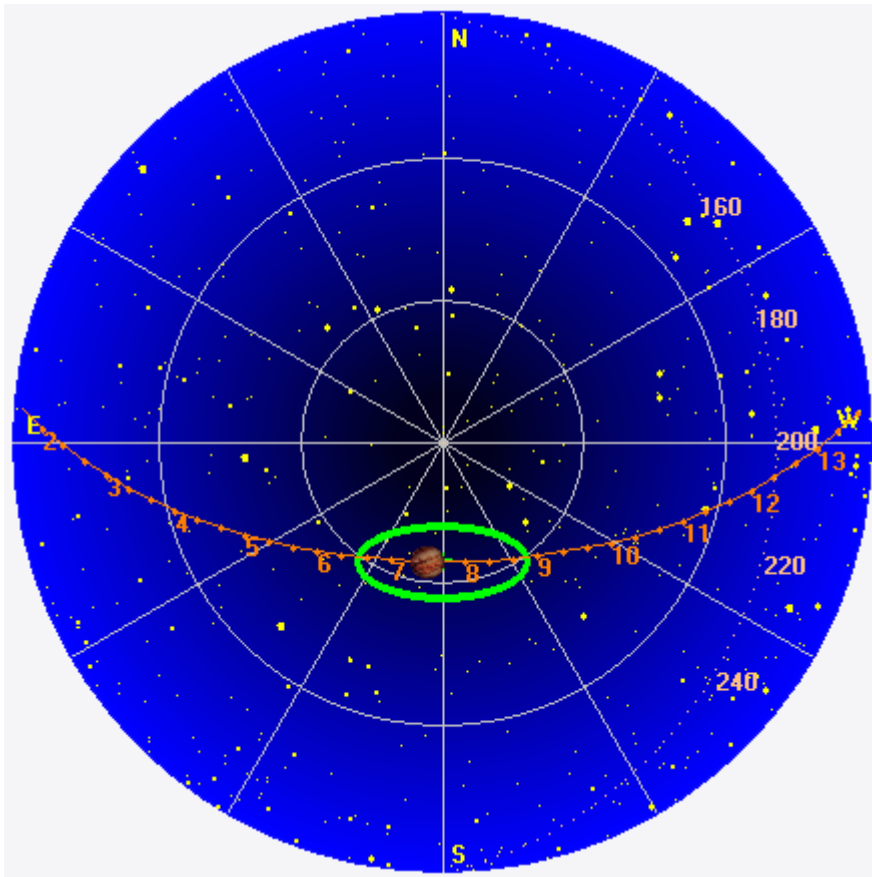
Jupiter was -30° to $+24^\circ$ off axis.

Jupiter was leading the Sun by 149° .

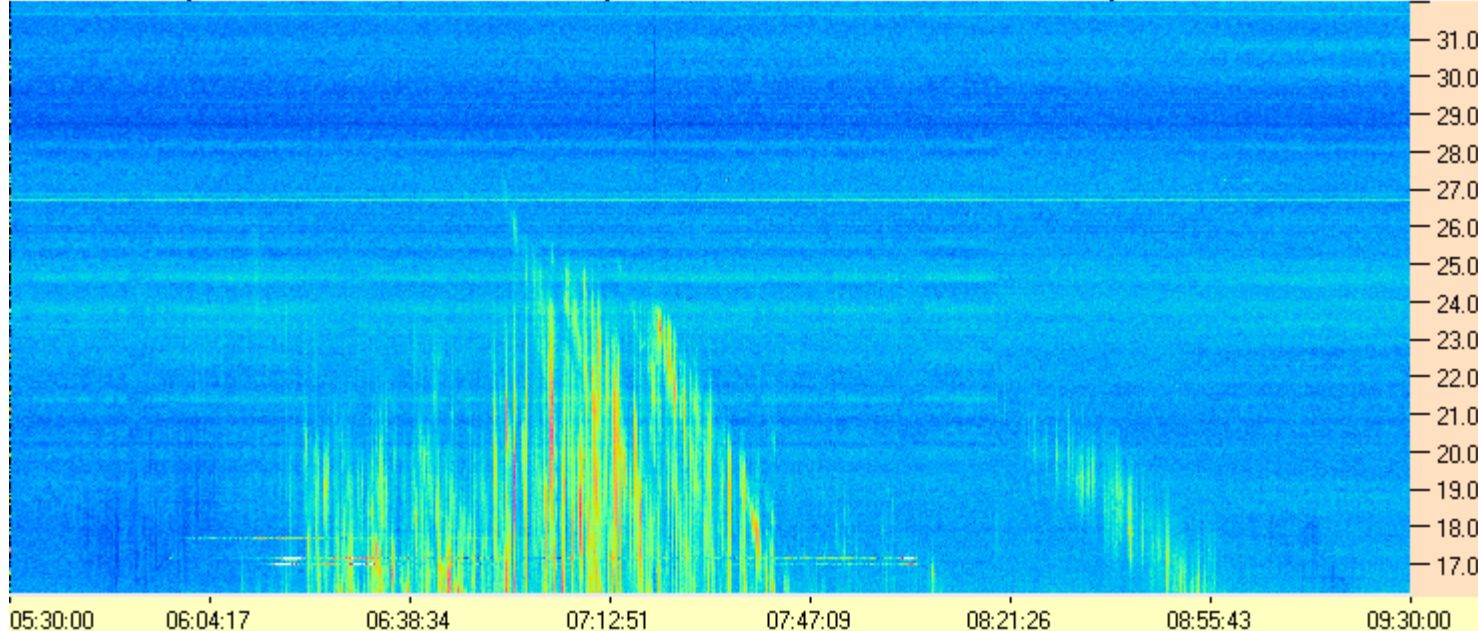
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Dave

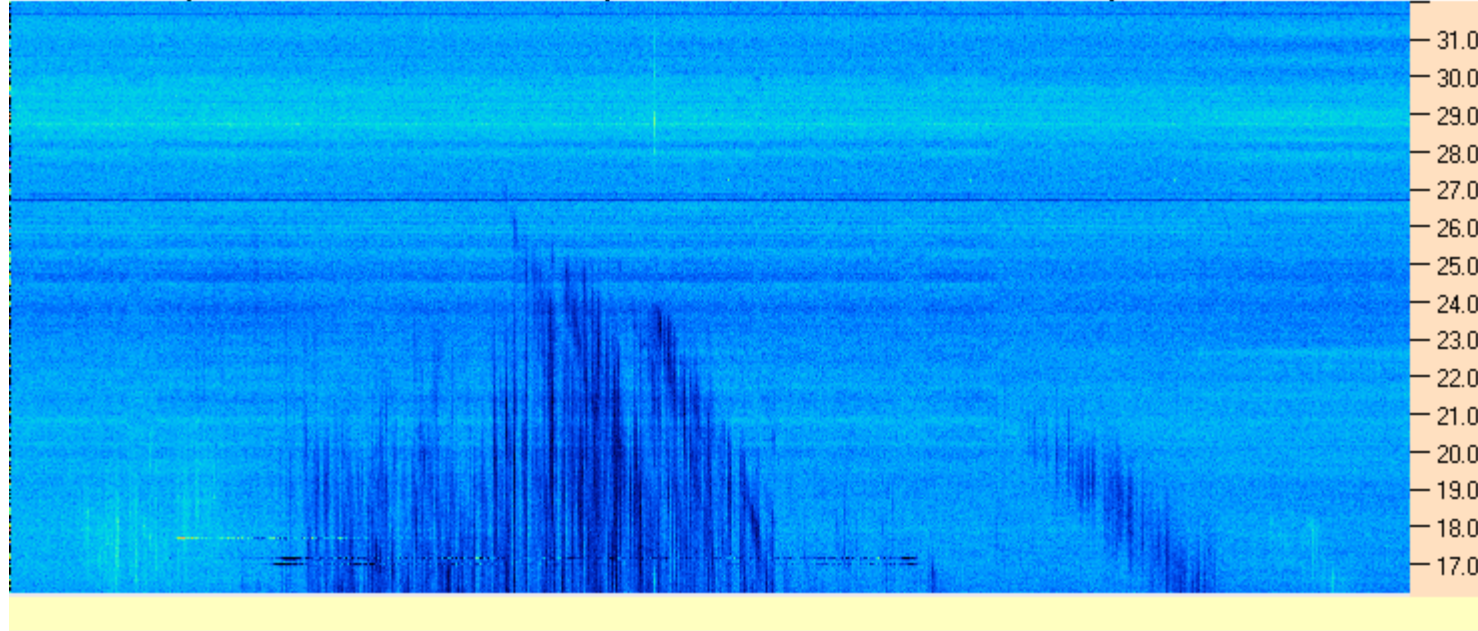
AJ4CO Observatory 10 Feb 2016, log entry 593 - 595

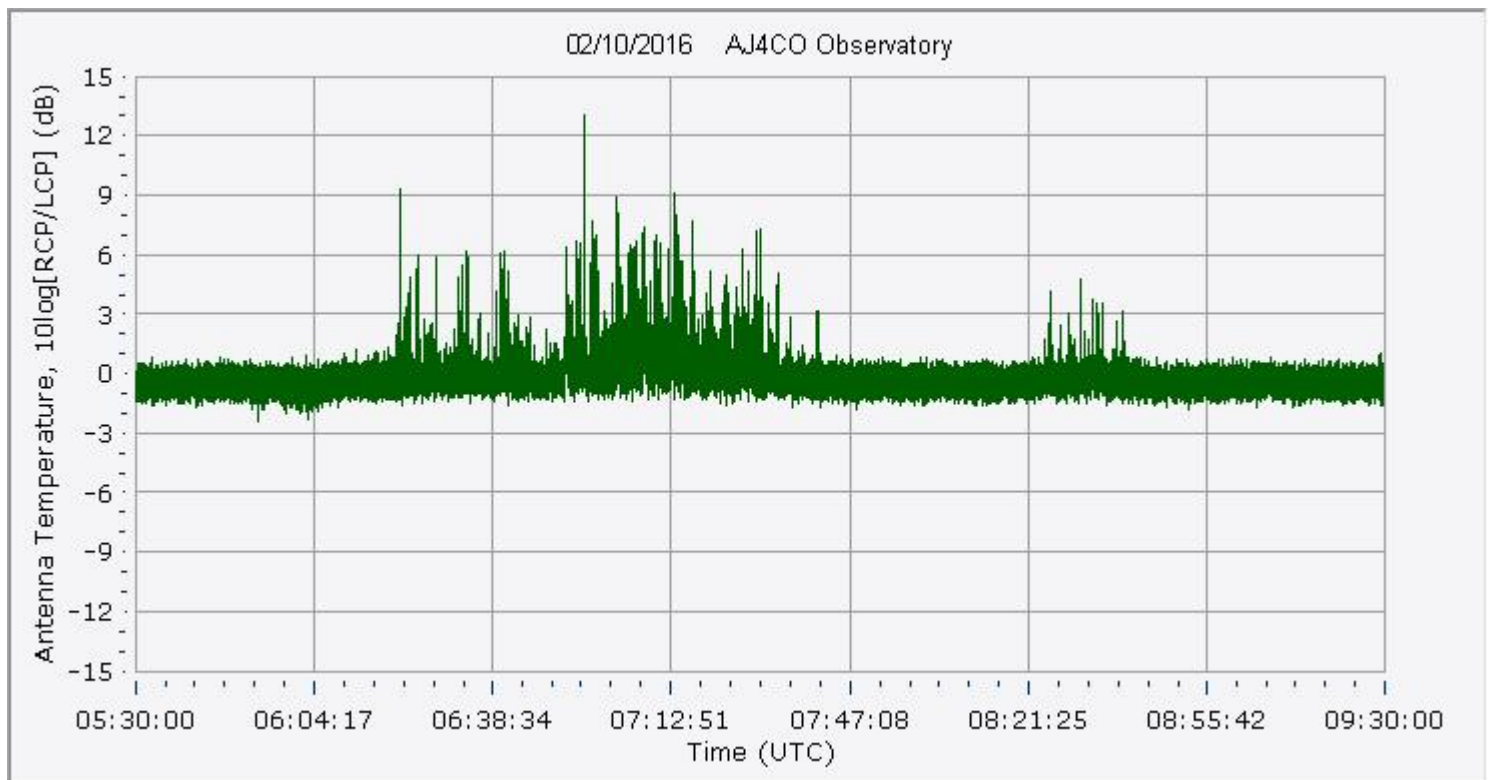
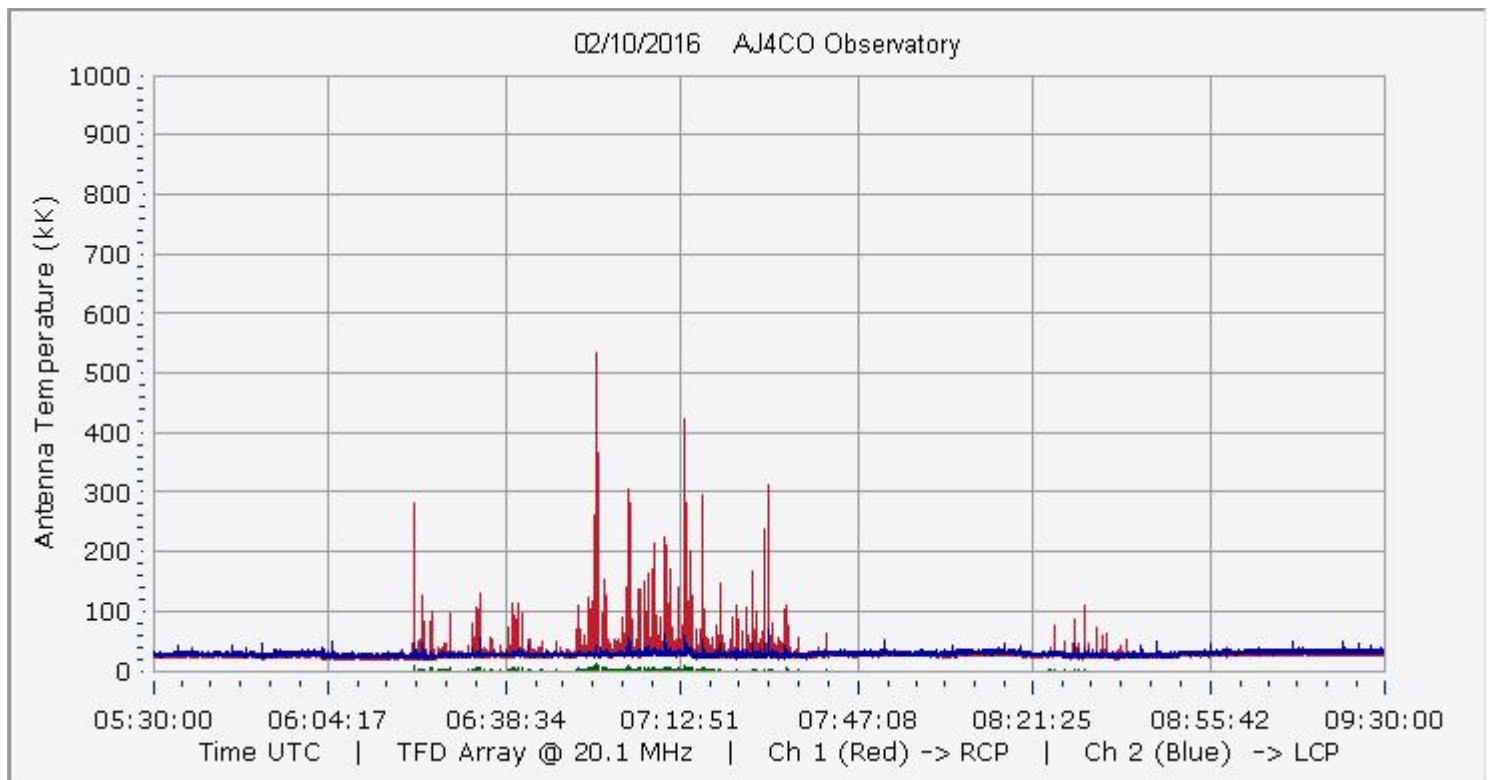


AJ4CO Observatory 10 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP-LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 0 Gain 2.0



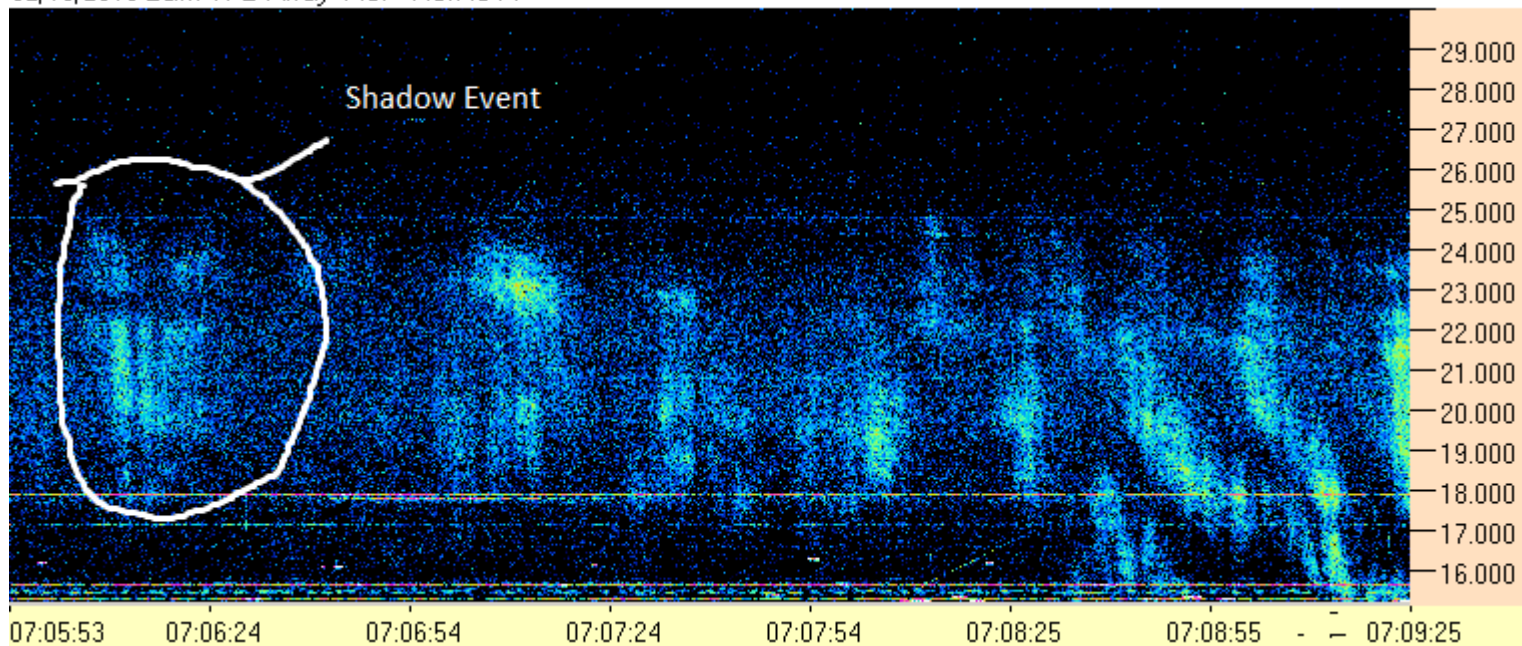
AJ4CO Observatory 10 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP-RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 0 Gain 2.0



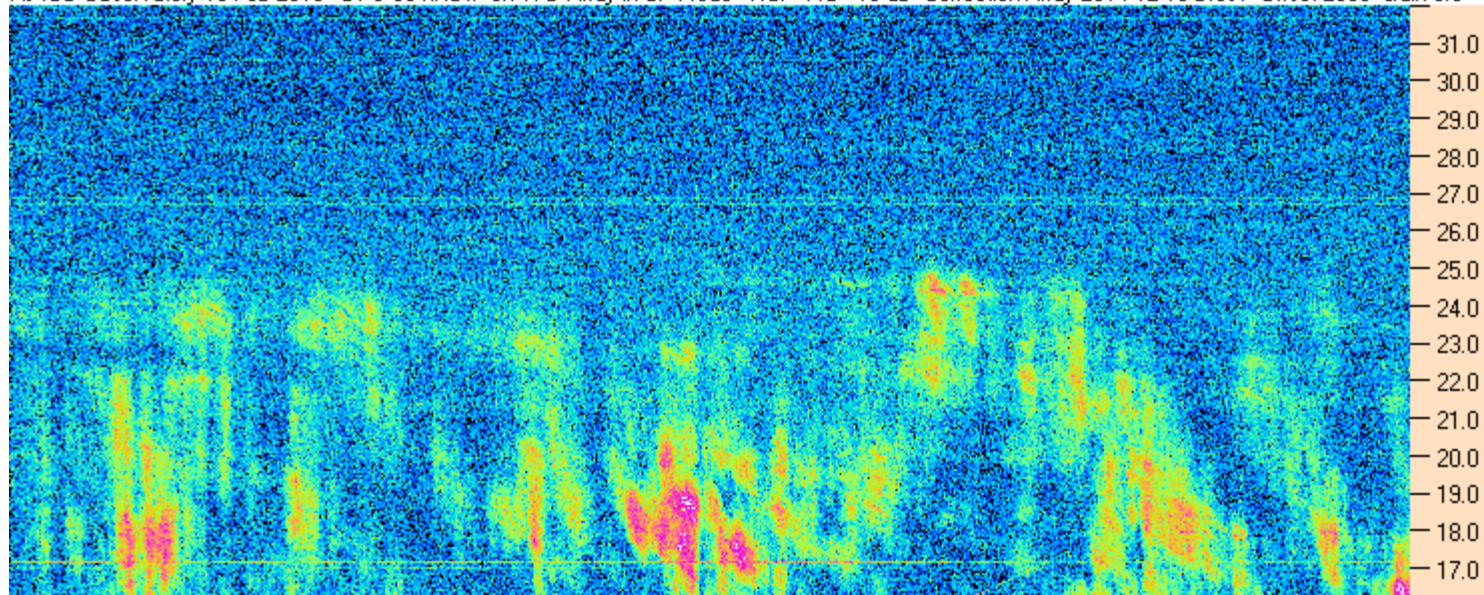


Comparison LGM to AJ4CO, 10-mile baseline. Many differences due to ionospheric effects.

02/10/2016 LGM TFD Array RCP Non-Io-A



AJ4CO Observatory 10 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



07:05:53 07:06:23 07:06:54 07:07:24 07:07:54 07:08:25 07:08:55 07:09:25

AJ4CO Observatory 10 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

