

Subject: [radiojove-data] 08 Dec 2015 Io-B high speed data
From: Dave Typinski <davetyp@typnet.net>
Date: 12/10/2015 01:49
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Here are a couple high speed spectrograms from the Tunable Wide Band (TWB) receiver for Tuesday morning's Io-B, along with some regular-speed Dual Polarization Spectrograph (DPS) spectrograms covering the same period. Each TWB spectrogram represents one pixel of width in the DPS spectrograms.

These show that what looks like L bursting in this case is a bunch of closely spaced narrow band emission. Most often, L-bursting is not like this. I don't know if this can be attributed to ionospheric effects; it seems too finely divided in frequency for that, but perhaps not.

Also shown are some fast drifting shadows within the L bursting -- not exactly S bursting, but sort of S-burstish in the way they drift at -23 MHz/sec.

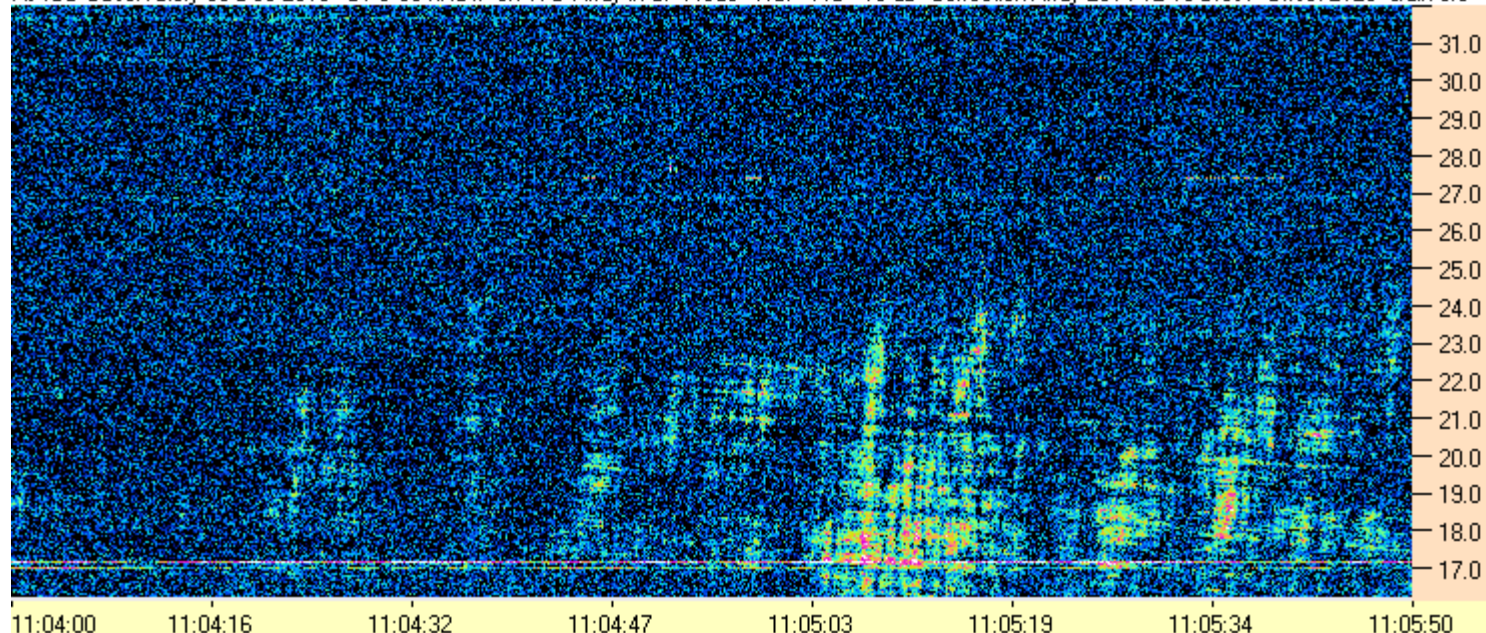
Note - the dates in the TWB spectrograms say Dec 7th, but they're really Dec 8th. Roll with it.

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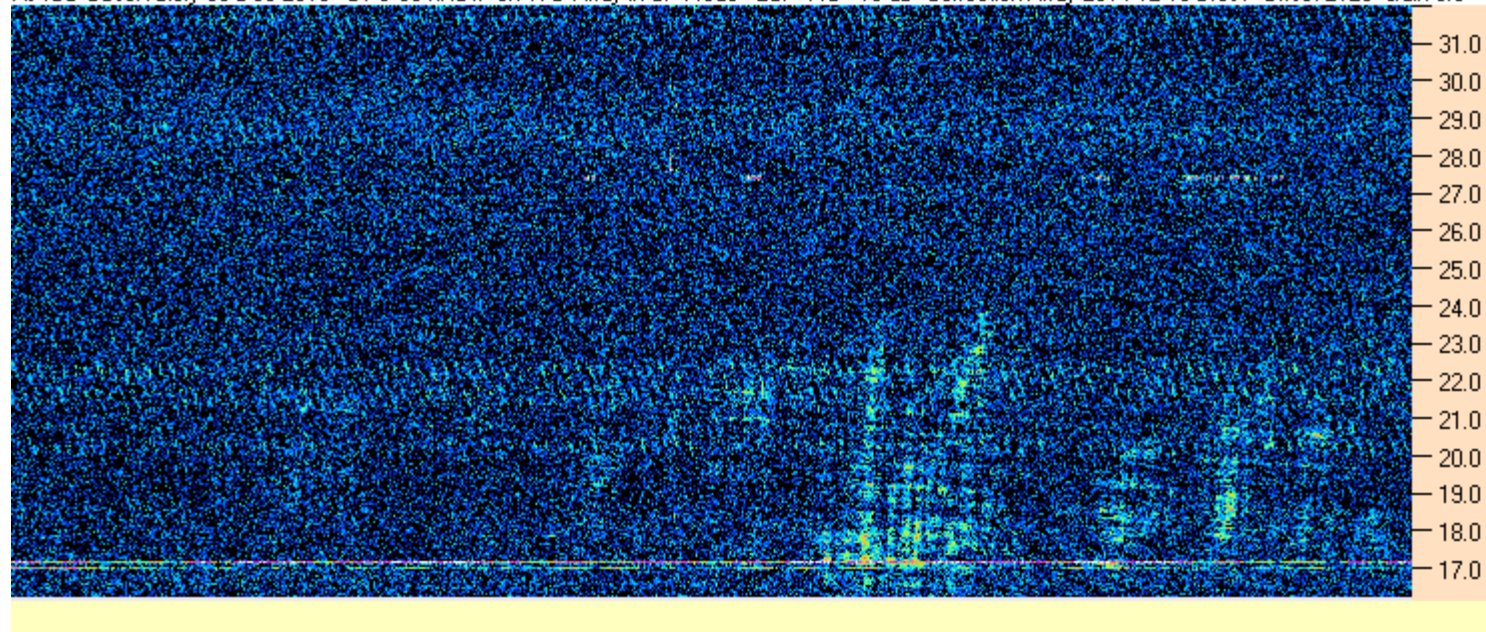
Dave

AJ4CO Observatory 08 Dec 2015, log entry 492

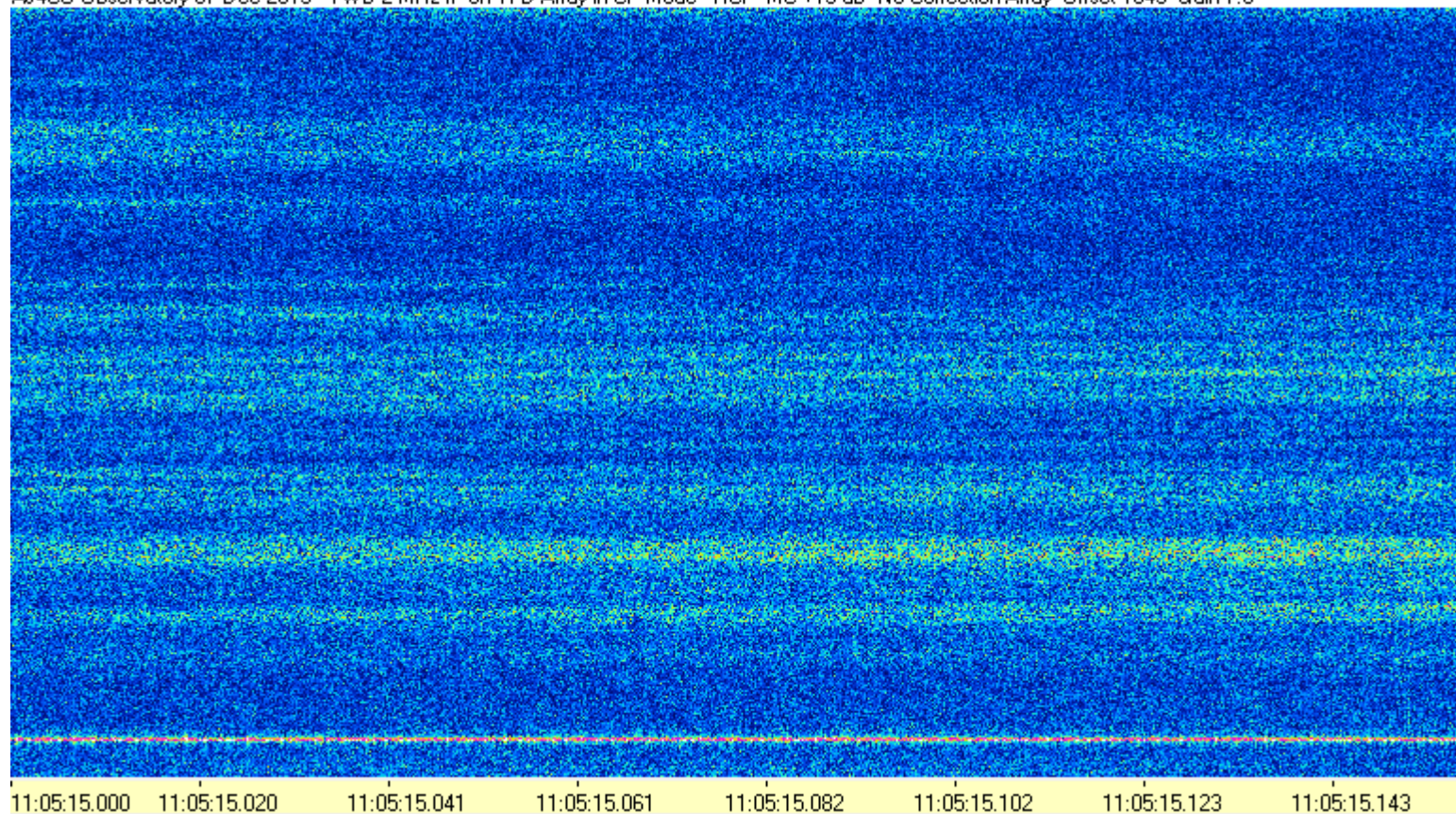
AJ4CO Observatory 08 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2125 Gain 5.0



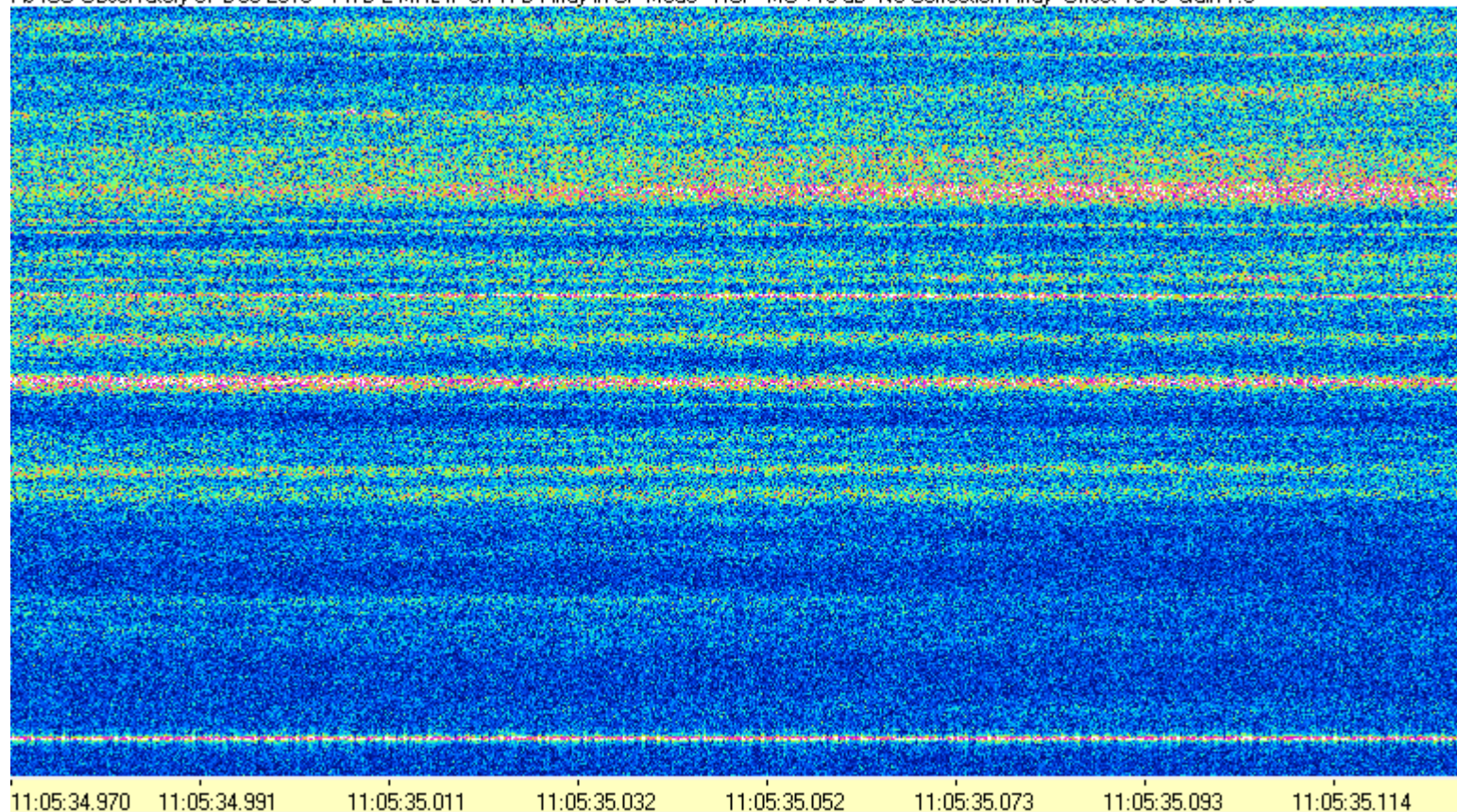
AJ4CO Observatory 08 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2125 Gain 5.0



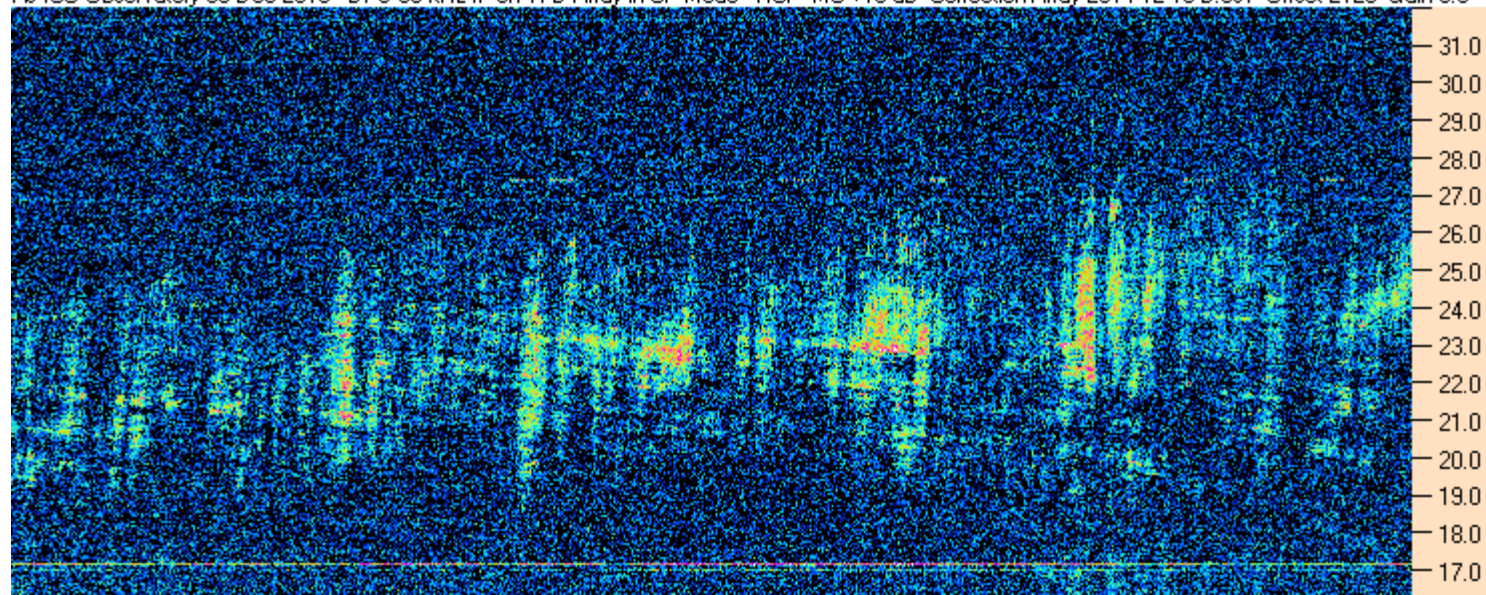
AJ4CO Observatory 07 Dec 2015 - TWB 2 MHz IF on TFD Array in CP Mode - RCP MC +13 dB No Correction Array Offset 1045 Gain 7.0



AJ4CO Observatory 07 Dec 2015 - TWB 2 MHz IF on TFD Array in CP Mode - RCP MC +13 dB No Correction Array Offset 1045 Gain 7.0

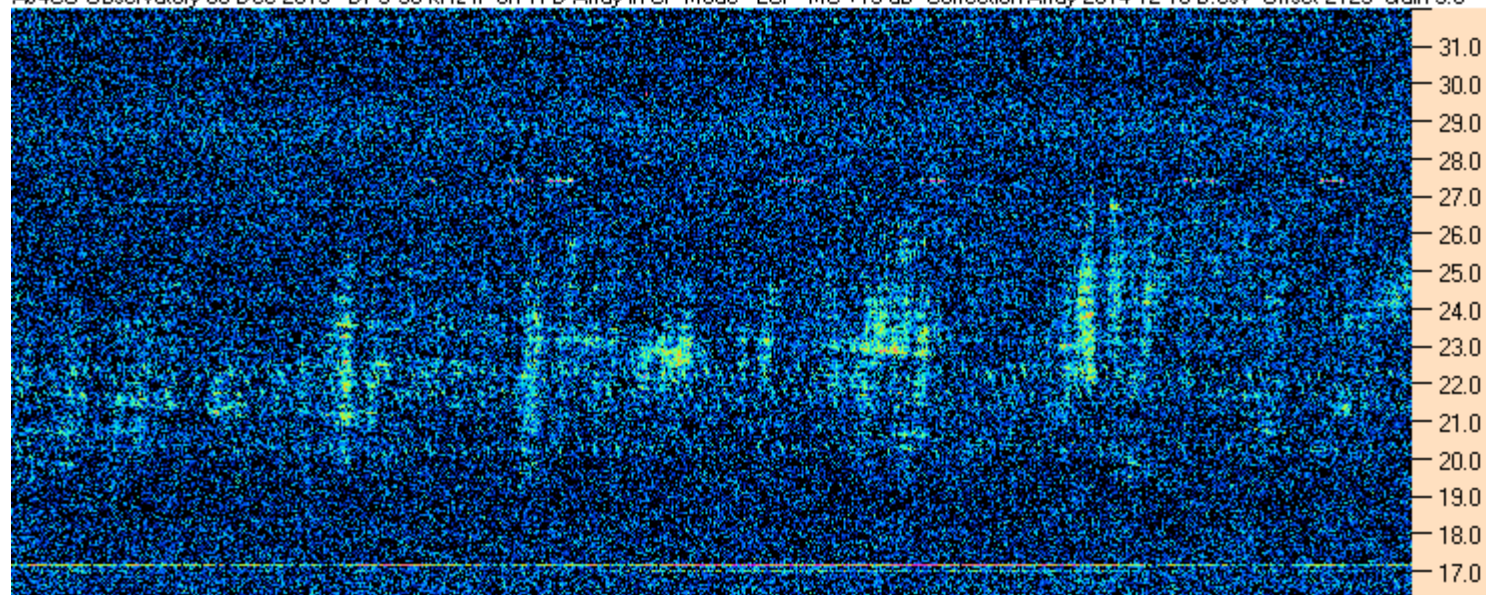


AJ4CO Observatory 08 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2125 Gain 5.0

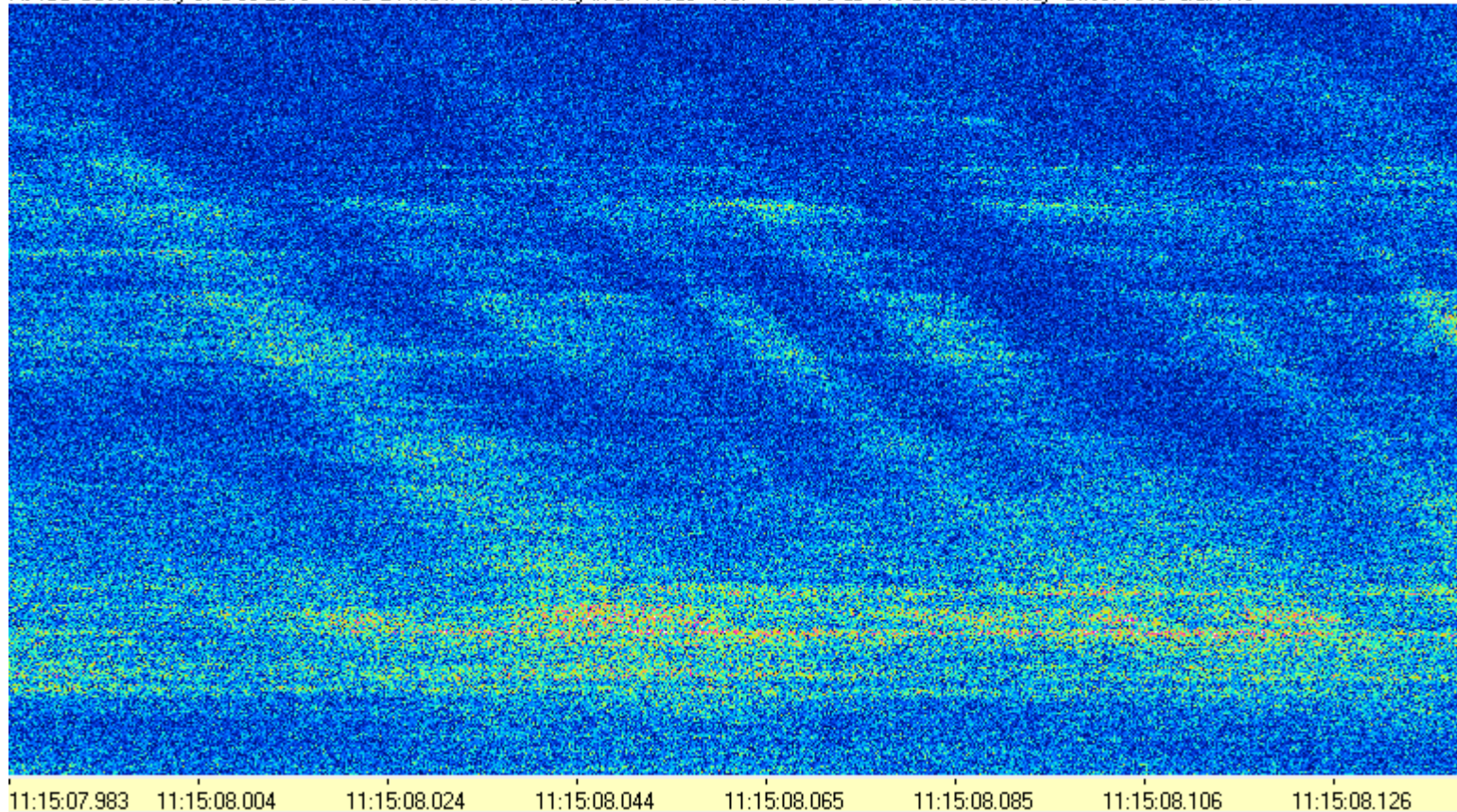


11:14:00 11:14:16 11:14:32 11:14:47 11:15:03 11:15:19 11:15:34 11:15:50

AJ4CO Observatory 08 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2125 Gain 5.0



AJ4CO Observatory 07 Dec 2015 - TWB 2 MHz IF on TFD Array in CP Mode - RCP MC +13 dB No Correction Array Offset 1045 Gain 7.0



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