

Subject: [radiojove-data] 04 May 2016 non-Io-B
From: Dave Typinski <davetyp@typnet.net>
Date: 05/05/2016 21:26
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Here's some rather interesting non-Io-B from Wednesday morning.

RCP dominant L bursting 0119-0330 UTC from 16 to 25 MHz, positive drift emission envelopes, vertex early arc.

The early emission was covered with band noise, but the polarization differences analysis pulled it out.

This is an unusual non-Io-B event in that it looks an awful lot like a classic Io-B arc complete with the brief arcs for an hour or so leading up to the main arc, which peaks in frequency and then slowly descends in frequency.

Maybe the larger observatories see this sort of non-Io-B emission all the time, but this is the first time AJ4CO has seen such a relatively well-defined non-Io-B arc.

A shorter time span spectrogram shows the odd emission at 0244 that Tom noted earlier. Sort of a tiny cluster of N events -- or something that looks like that.

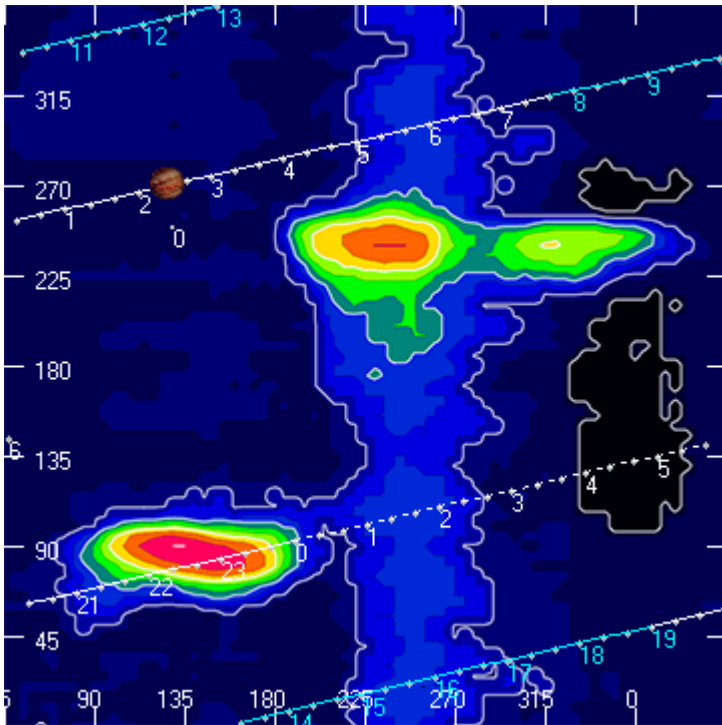
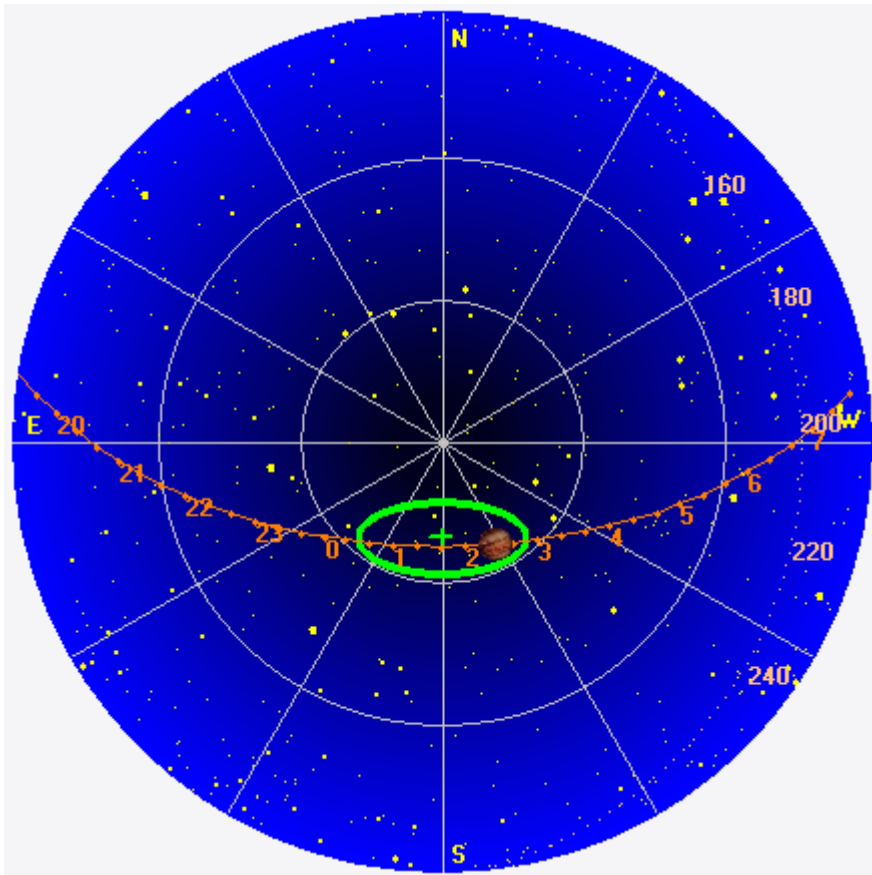
Jupiter was -6° to $+27^\circ$ off axis.

Jupiter was trailing the Sun by 119° .

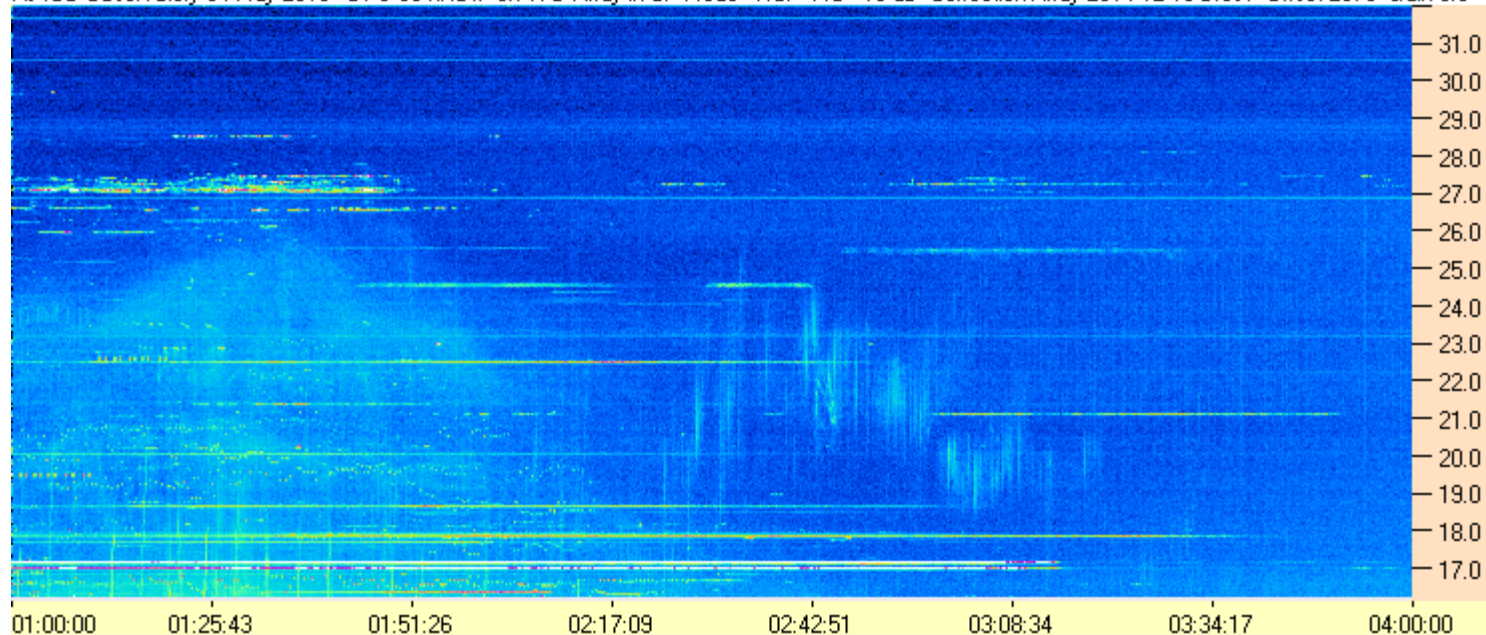
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Dave

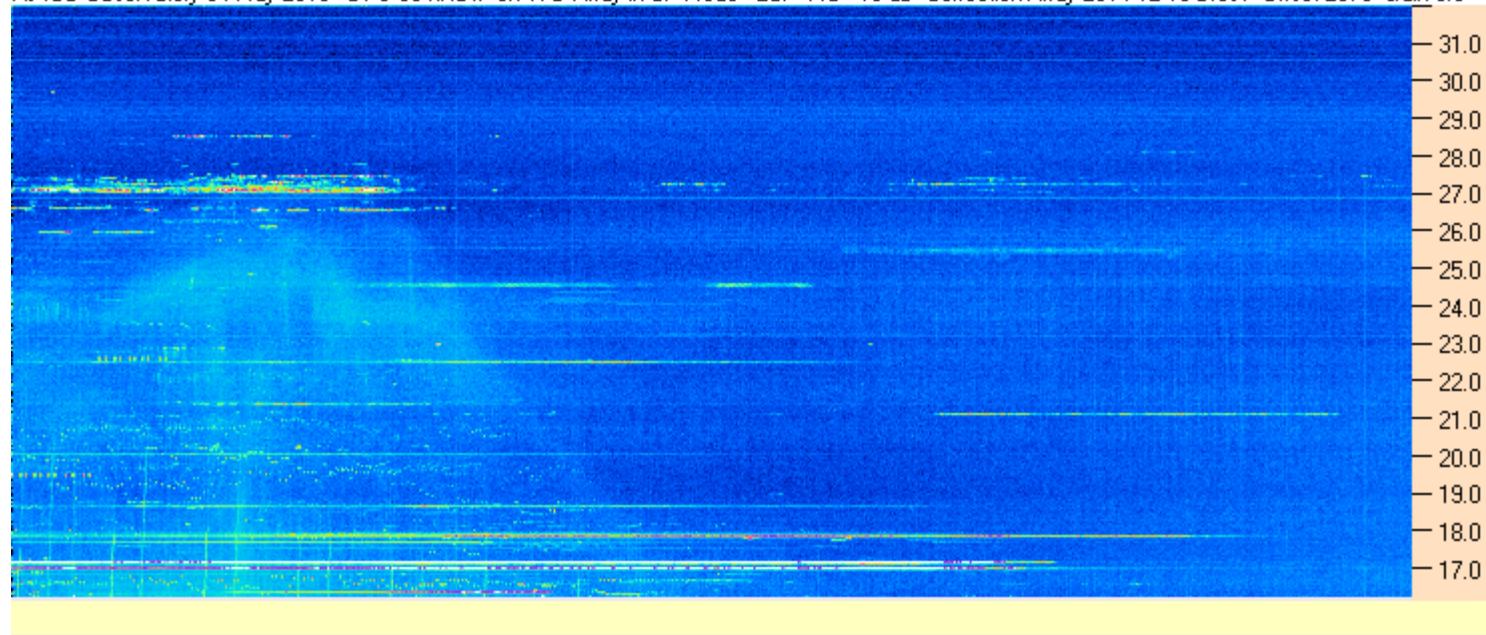
AJ4CO Observatory 04 May 2016, log entry 708



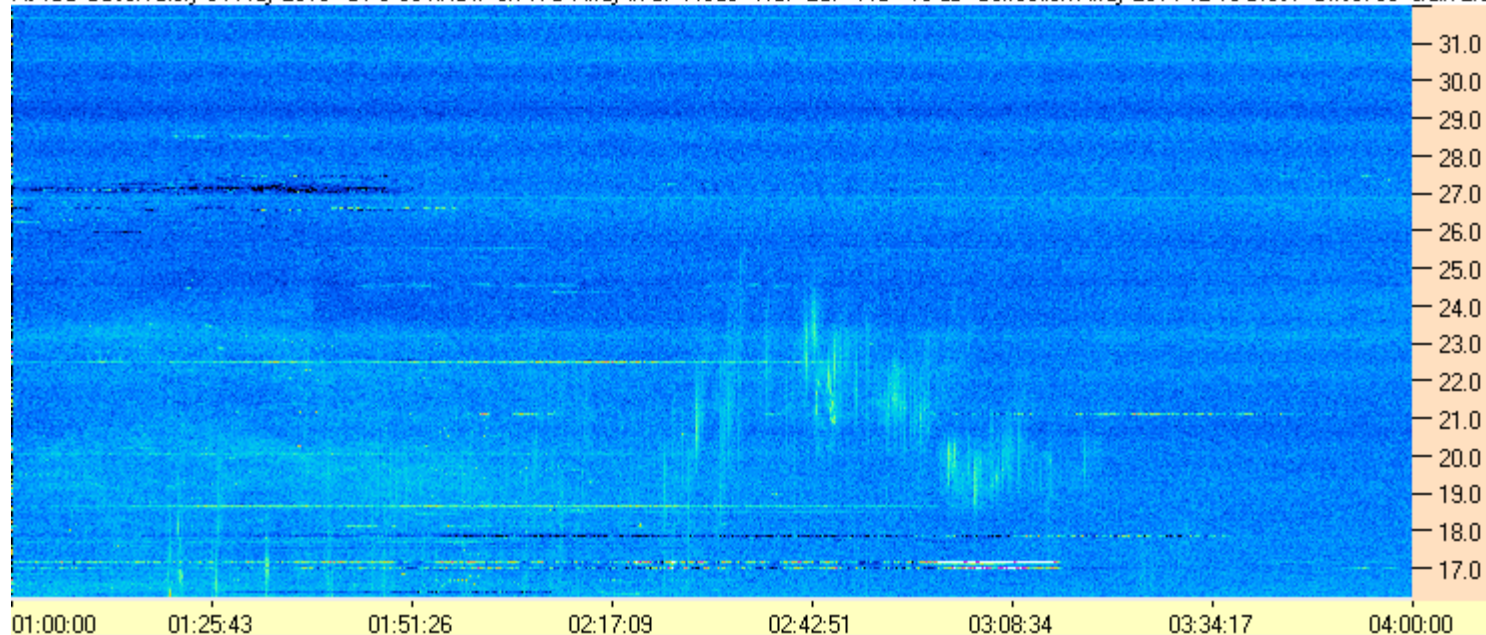
AJ4CO Observatory 04 May 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0



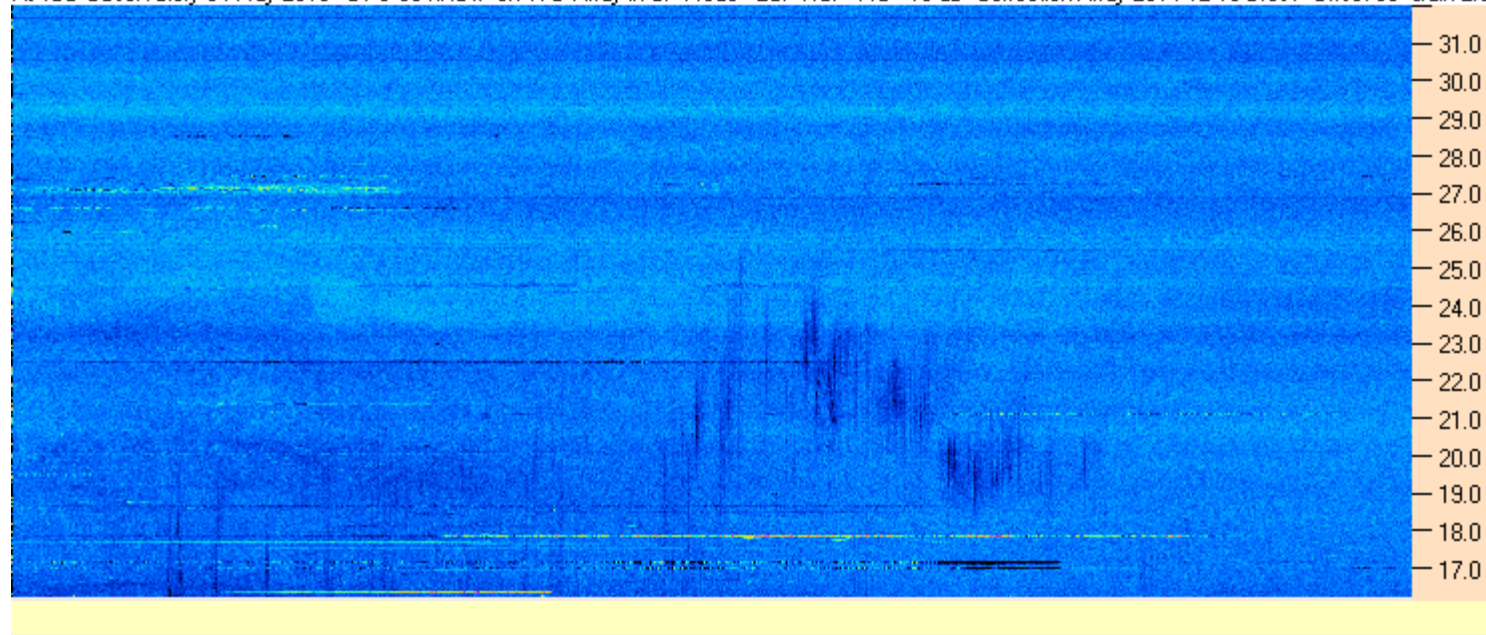
AJ4CO Observatory 04 May 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0

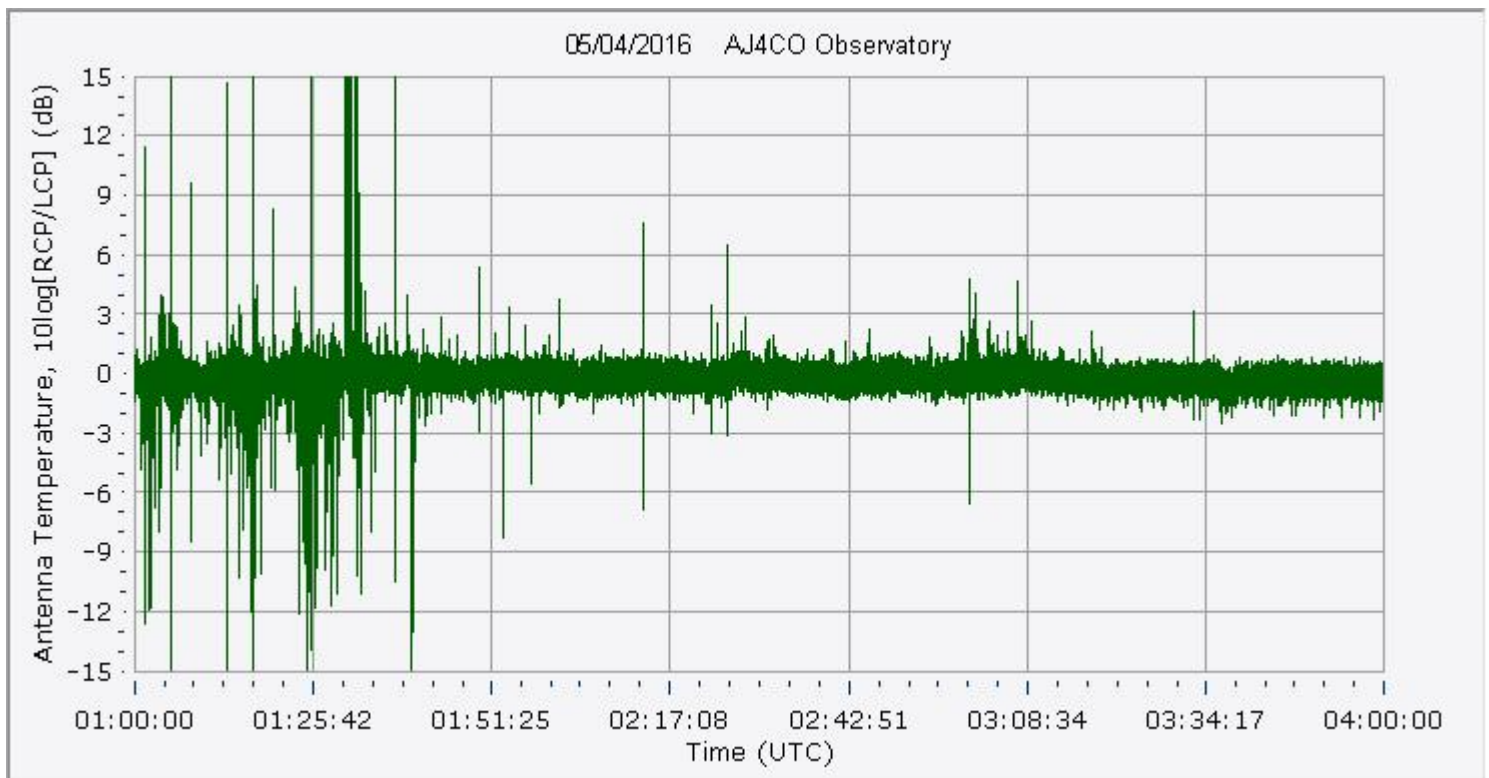
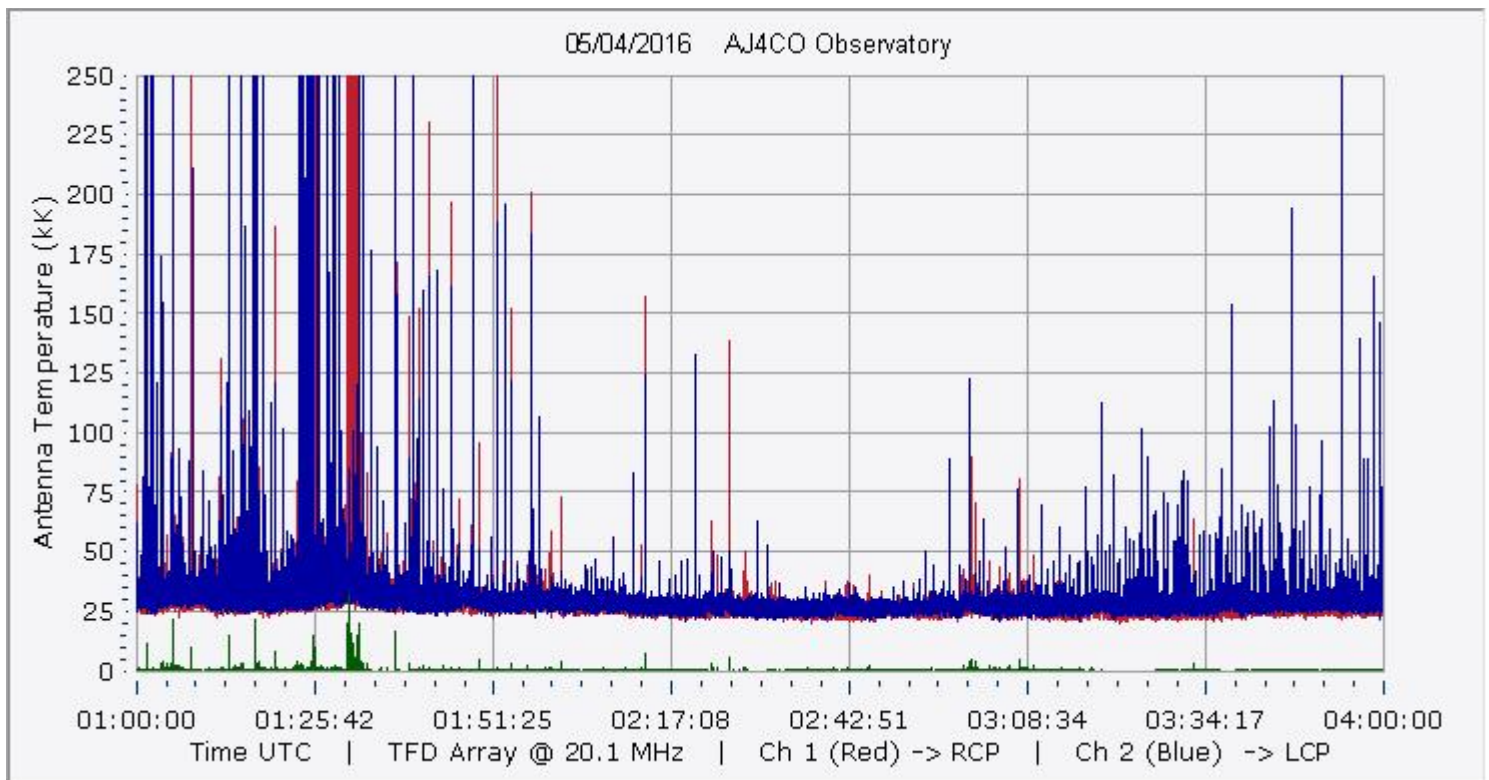


AJ4CO Observatory 04 May 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP-LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 50 Gain 2.0

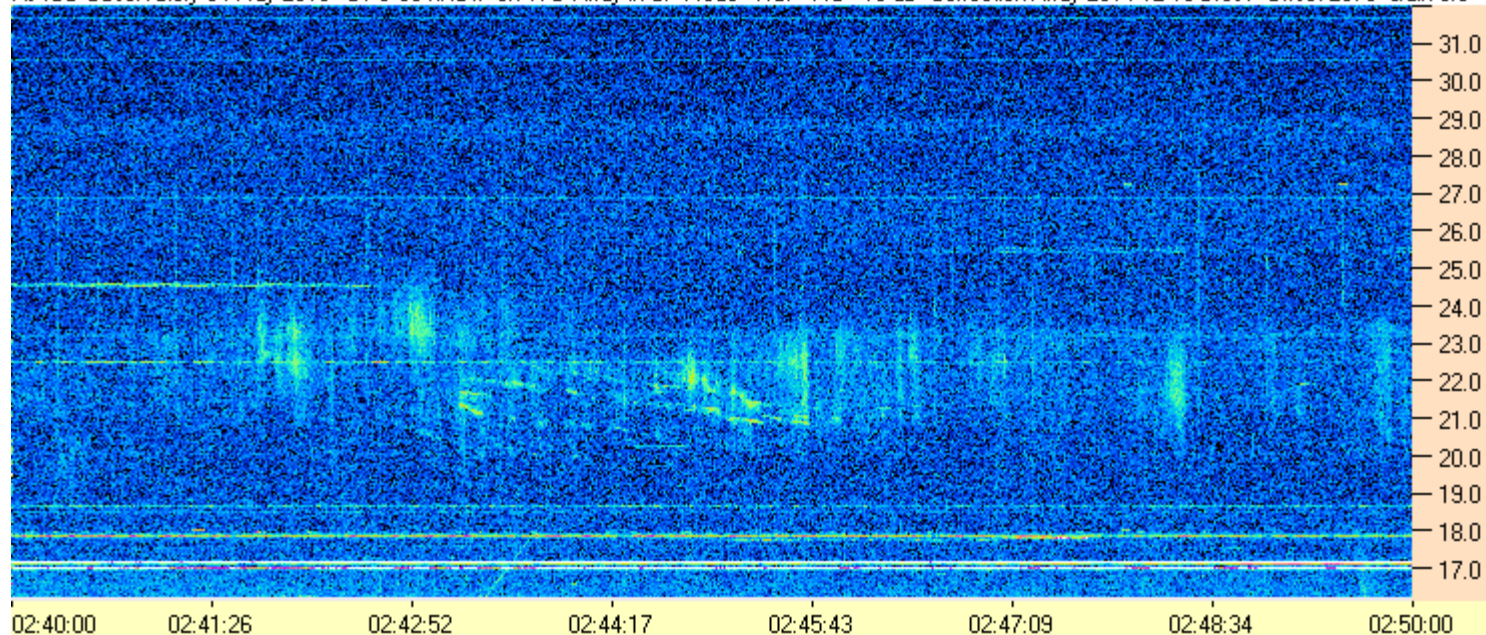


AJ4CO Observatory 04 May 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP-RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 50 Gain 2.0





AJ4CO Observatory 04 May 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



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