

Subject: [radiojove-data] 02 Sep 2014 Io-D

From: Dave Typinski <davetyp@typnet.net>

Date: 09/03/2014 19:26

To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Here's some weak Io-D from Tuesday morning.

LCP dominant L bursting from 20 to 30 MHz. Some crosshatched modulation lanes.

Io-B and Io-D overlap on the phase plane. It is the LCP nature that distinguishes this emission as Io-D. See the Io-D zone in the image below.

This was pretty far off axis for the TFD array. This will cause apparent Faraday banding in the spectrograms, as can be seen, very faintly, in some of the spectrograms below. The high off-axis angle, however, does not change the relative sense of RCP and LCP as seen by the array.

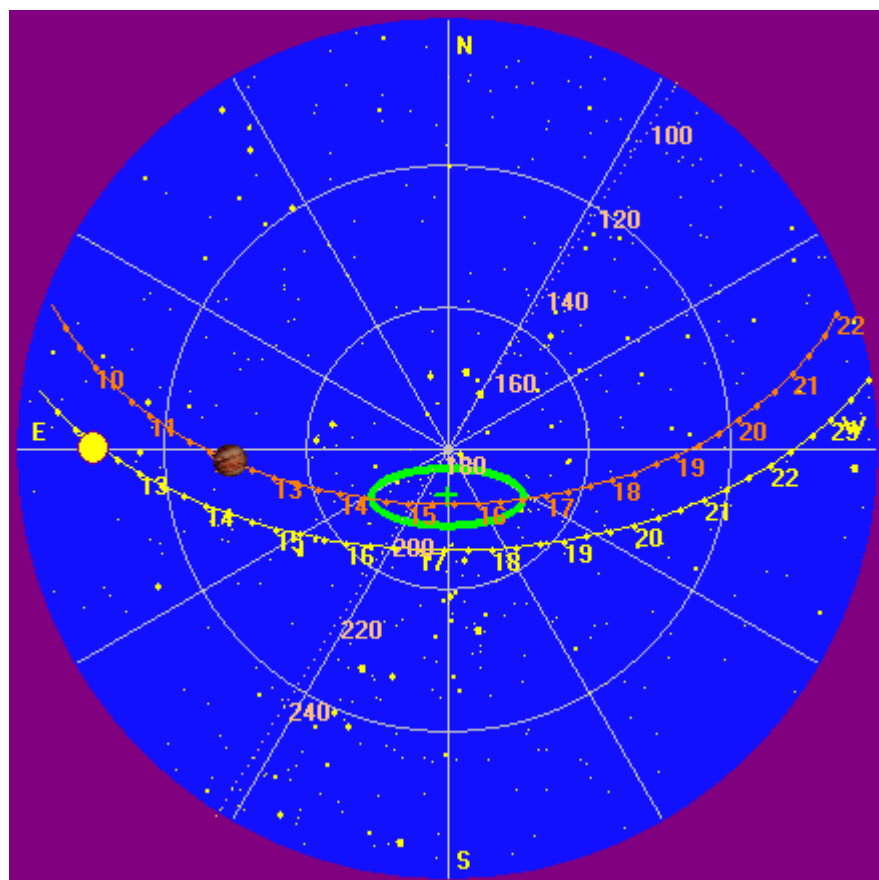
Jupiter was -51° to -41° off axis.

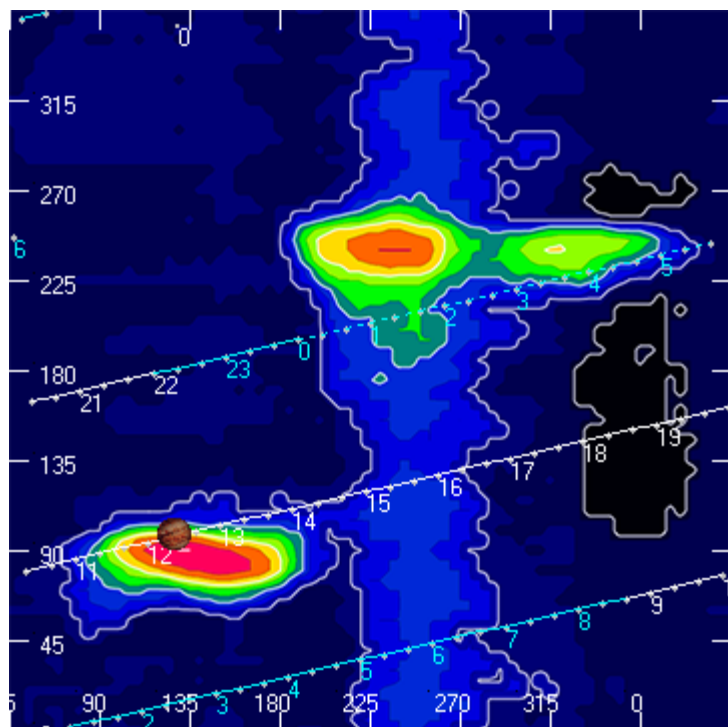
Jupiter was leading the Sun by 29° .

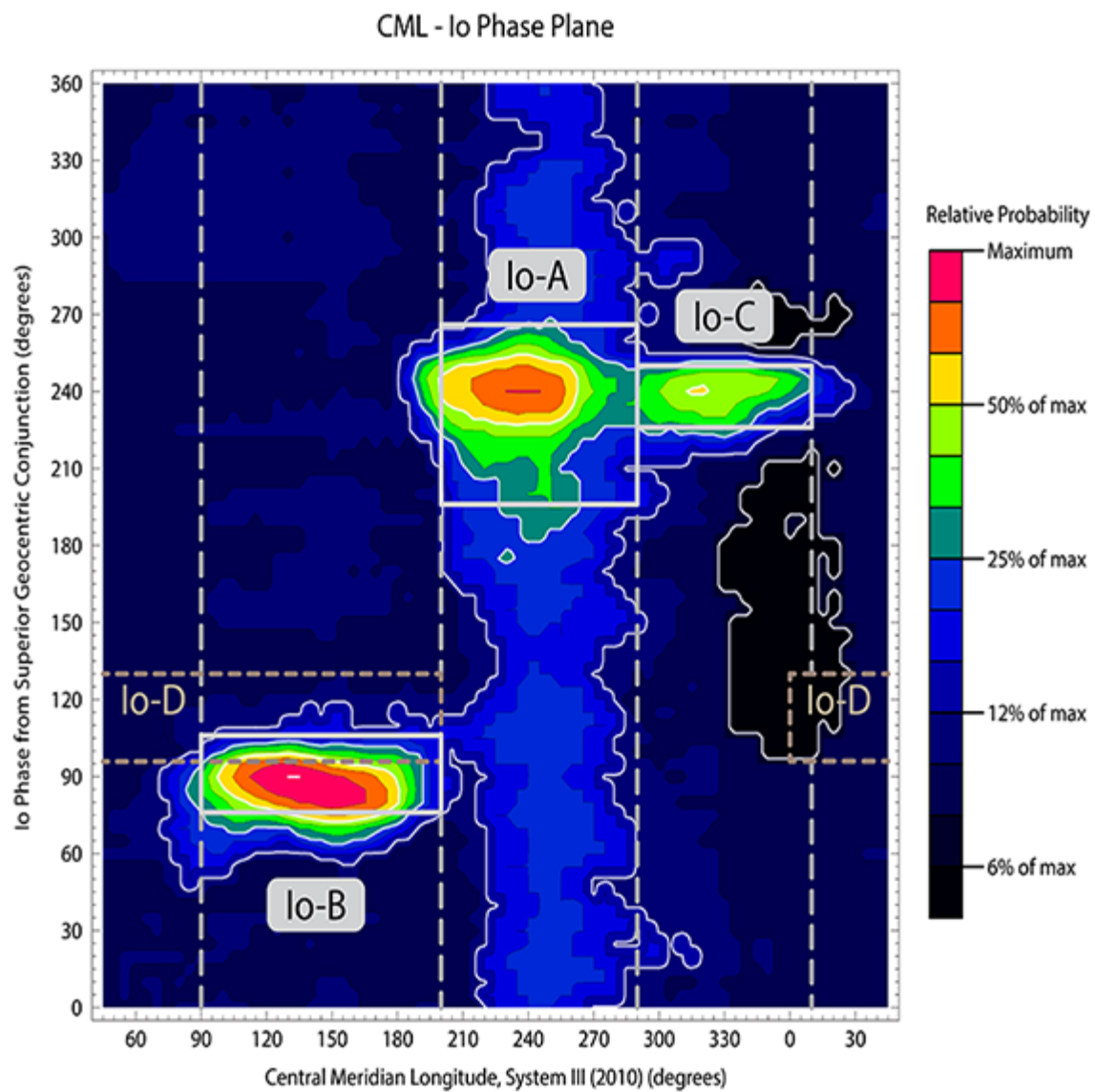
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Dave

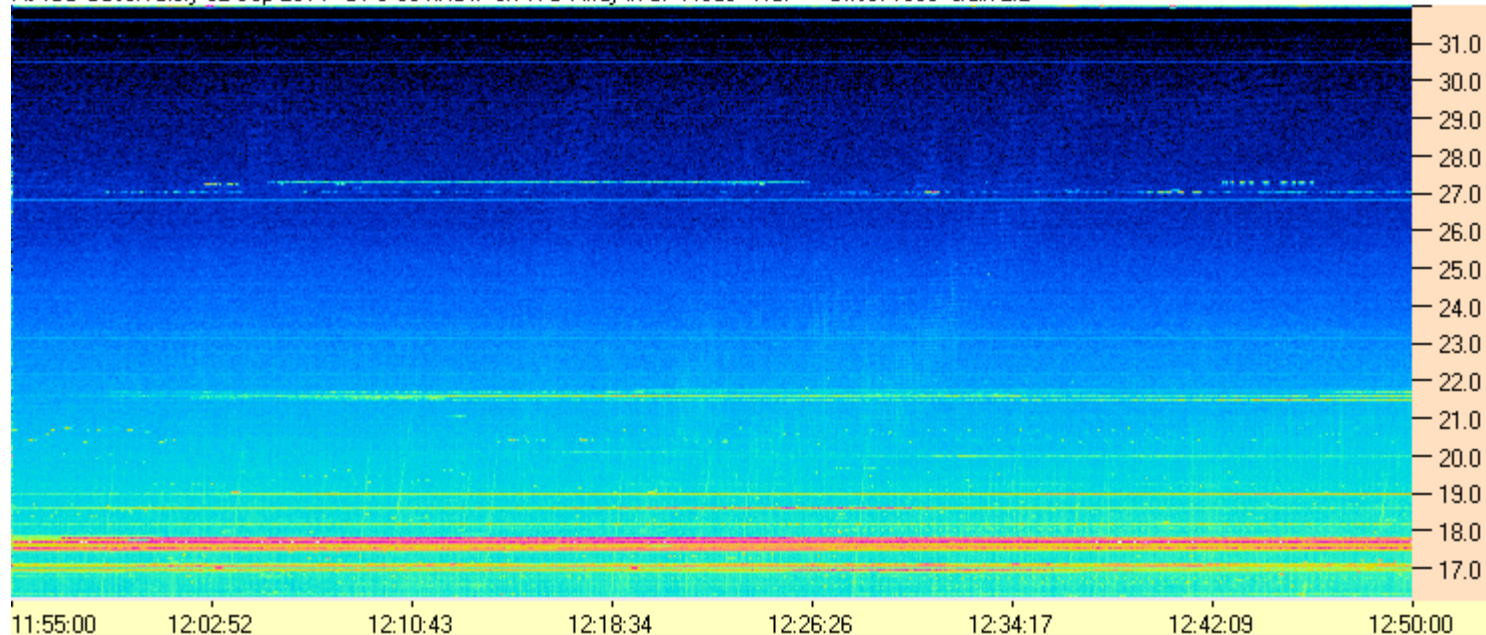
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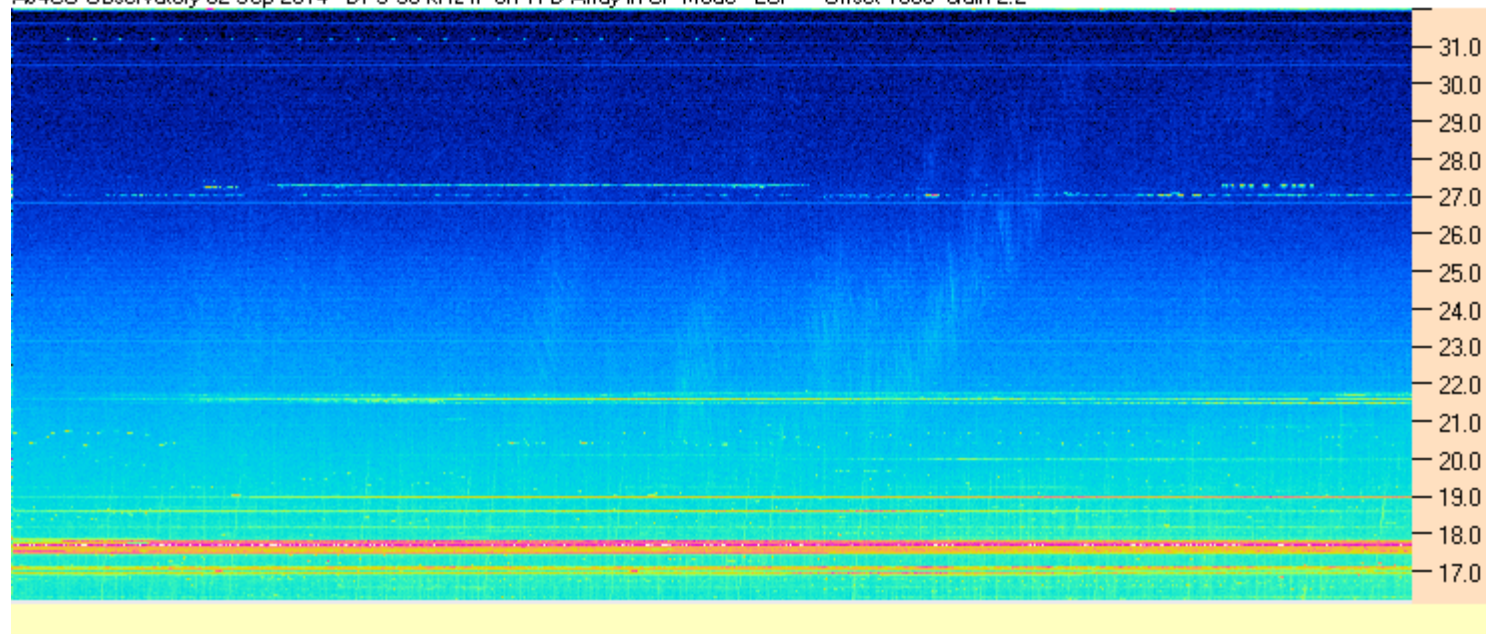


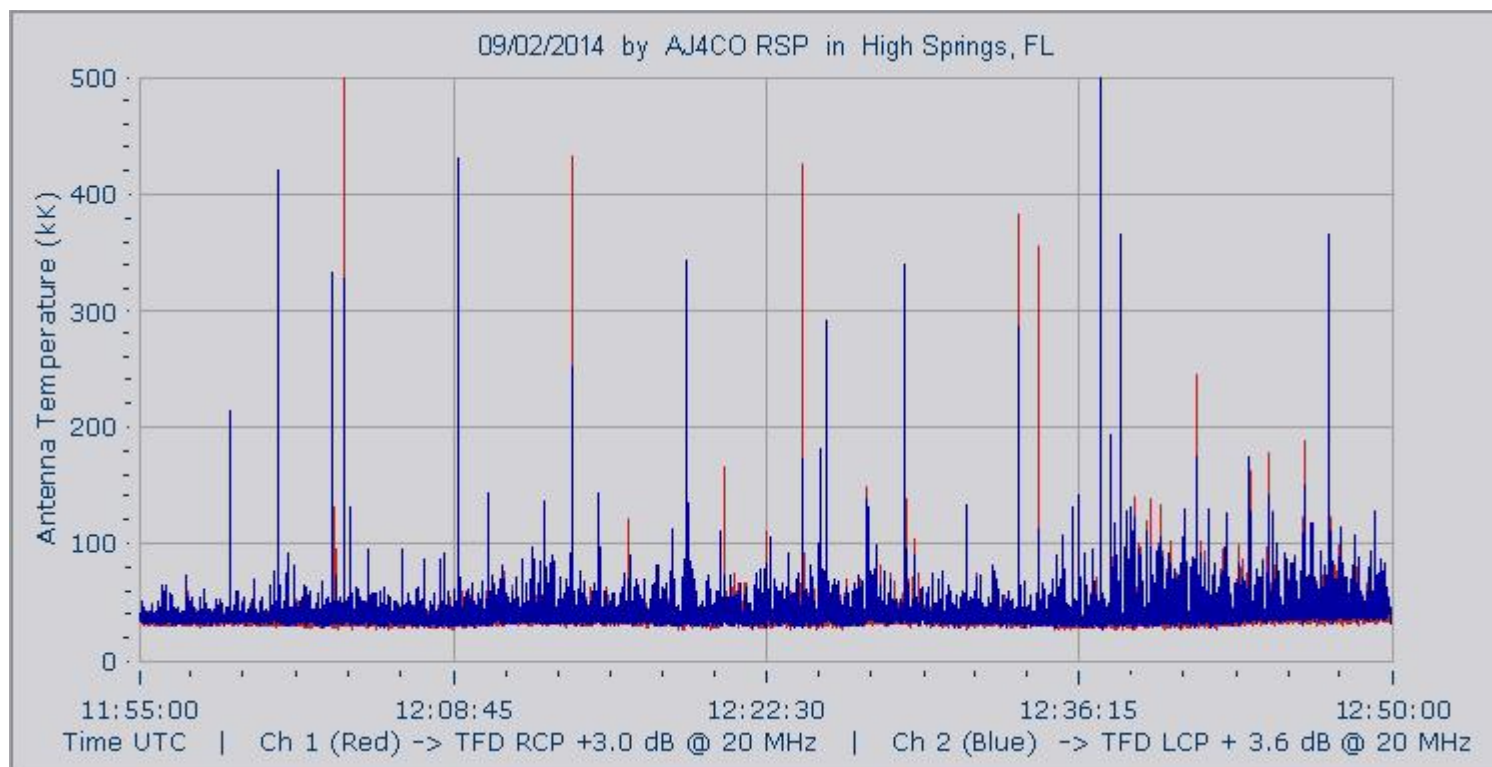


AJ4CO Observatory 02 Sep 2014 - DPS 30 kHz IF on TFD Array in CP Mode - RCP Offset 1800 Gain 2.2

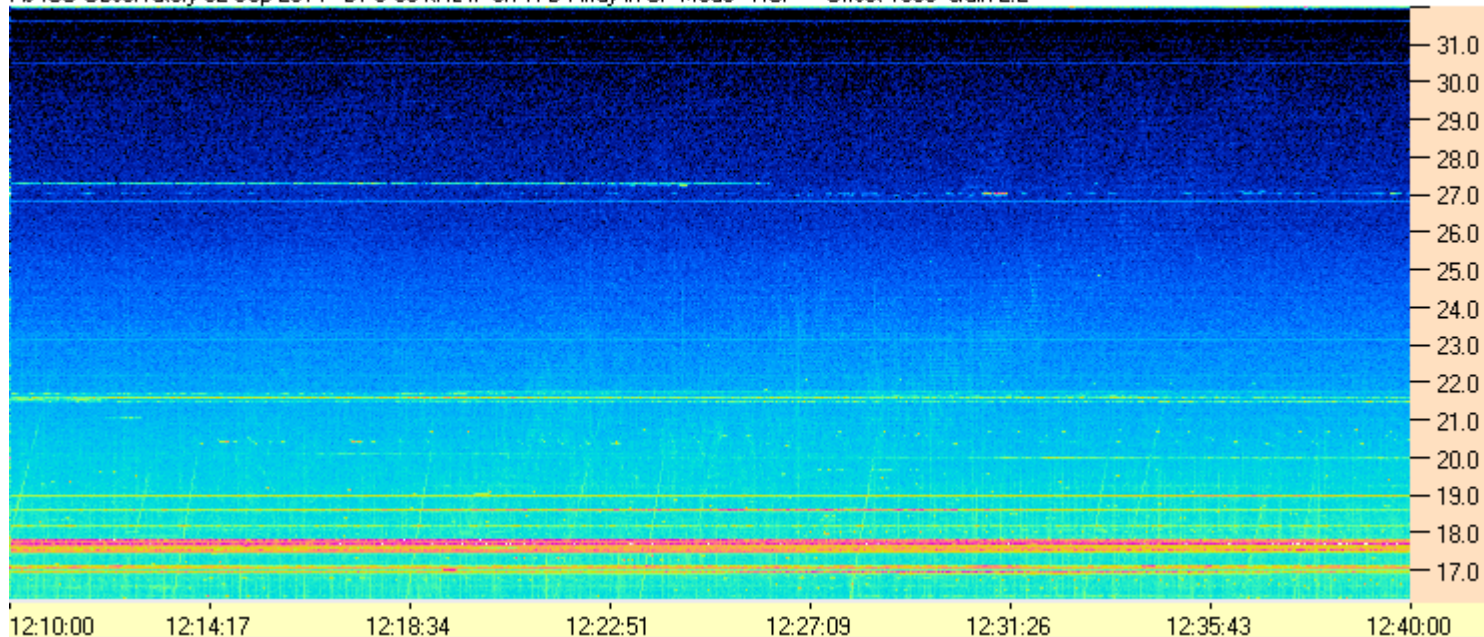


AJ4CO Observatory 02 Sep 2014 - DPS 30 kHz IF on TFD Array in CP Mode - LCP Offset 1800 Gain 2.2

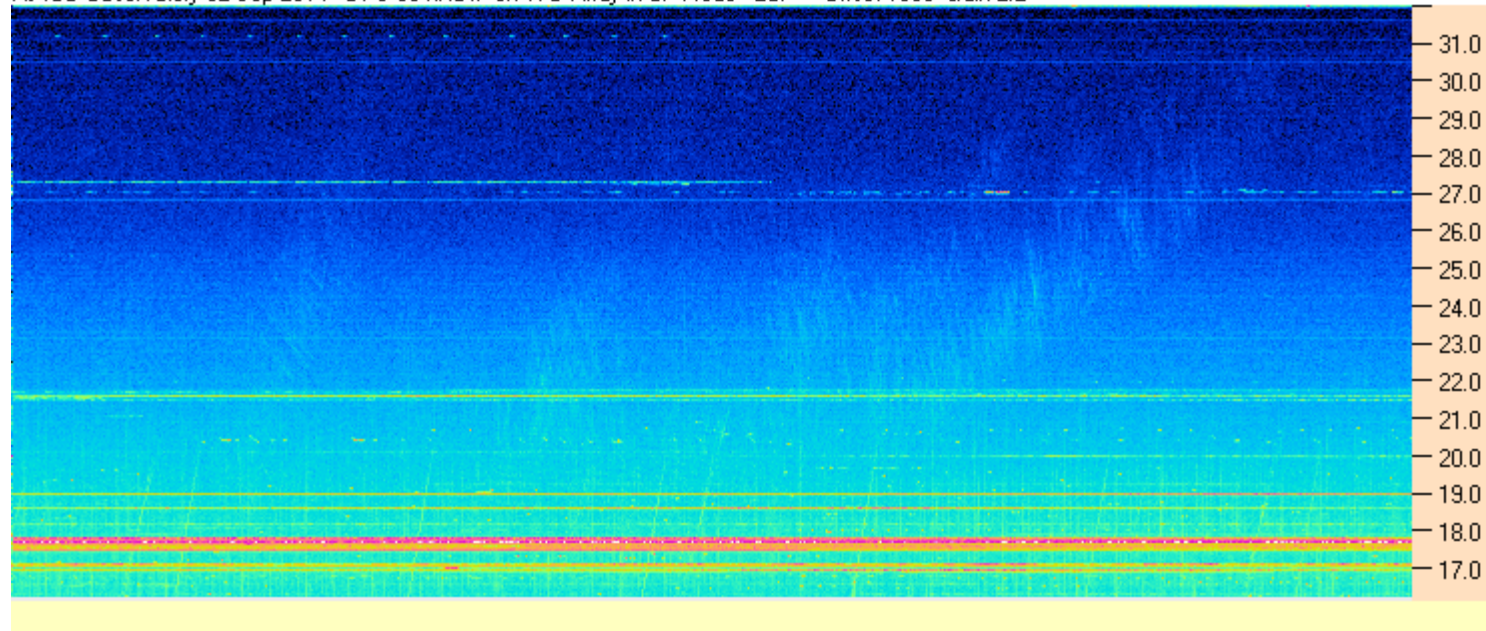




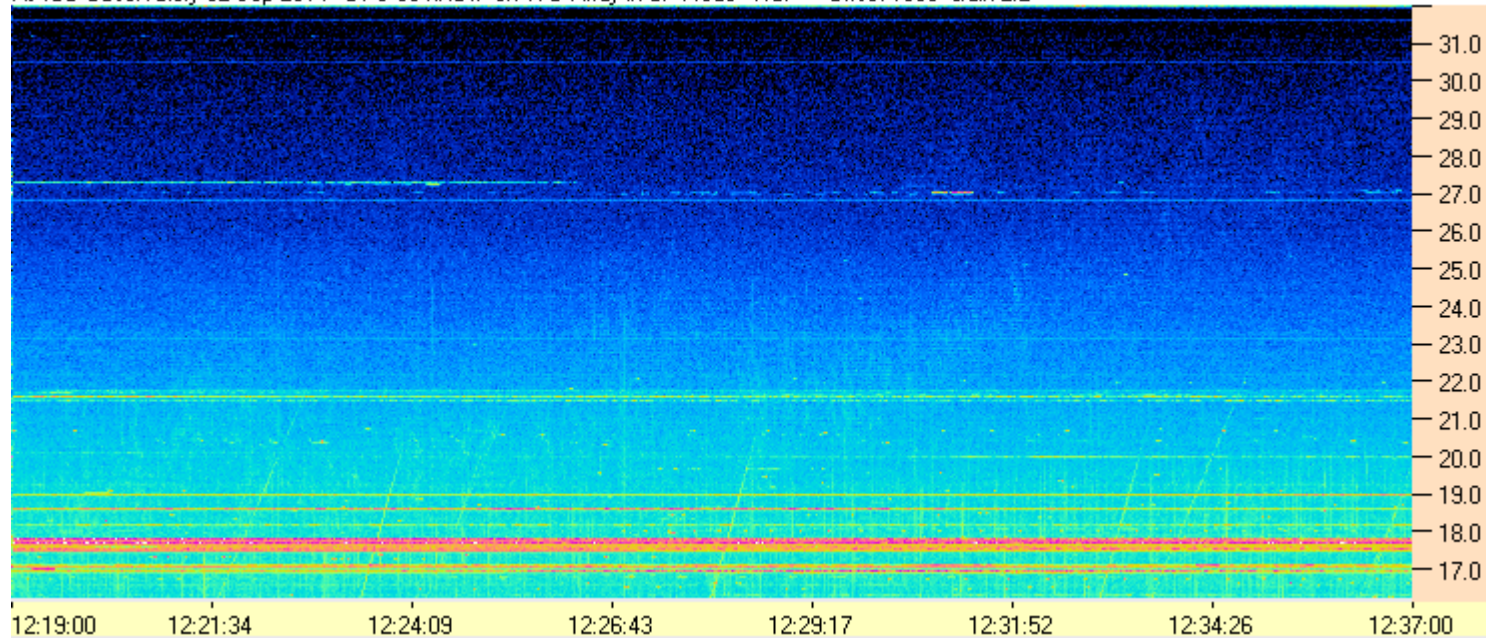
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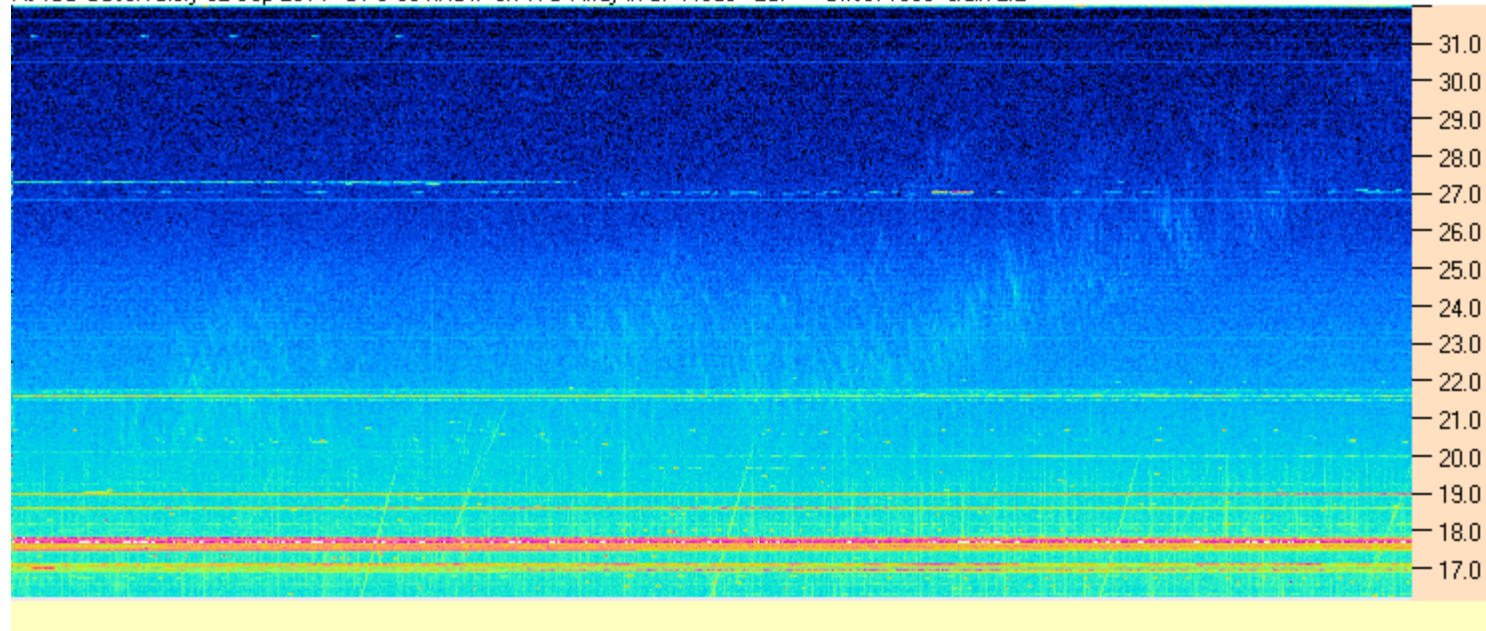
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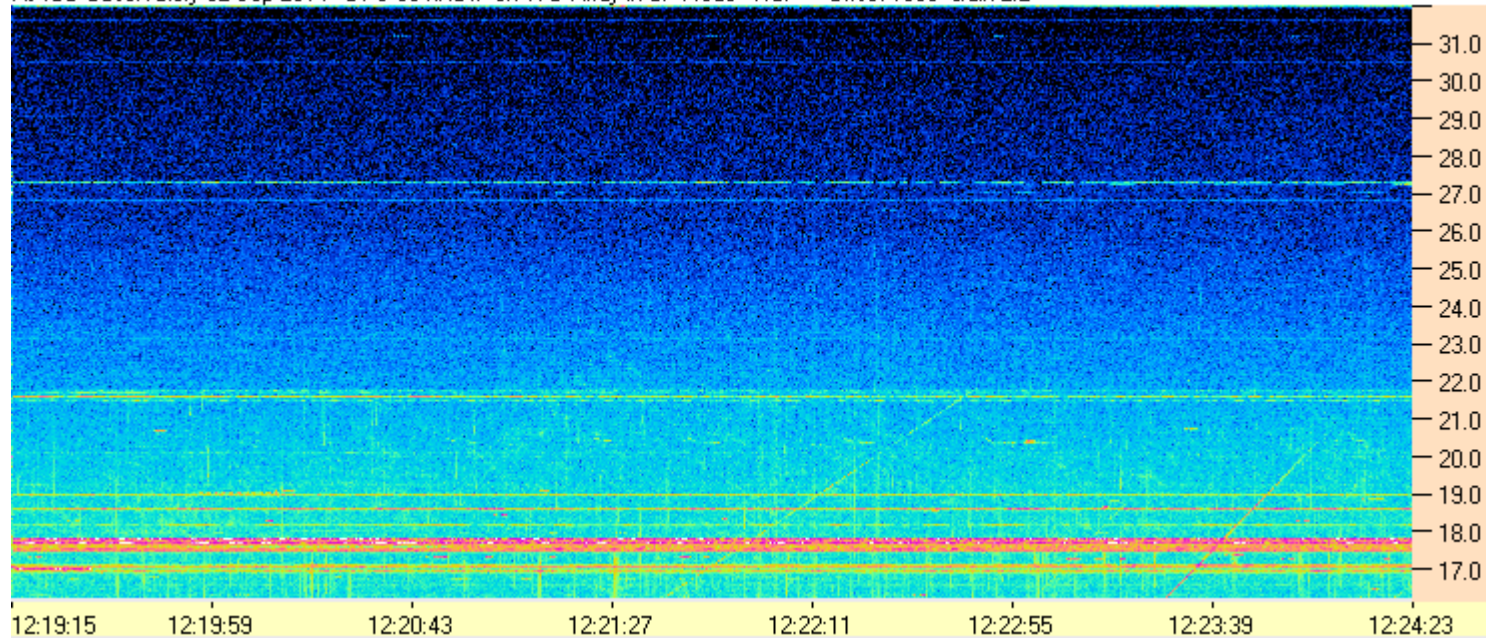
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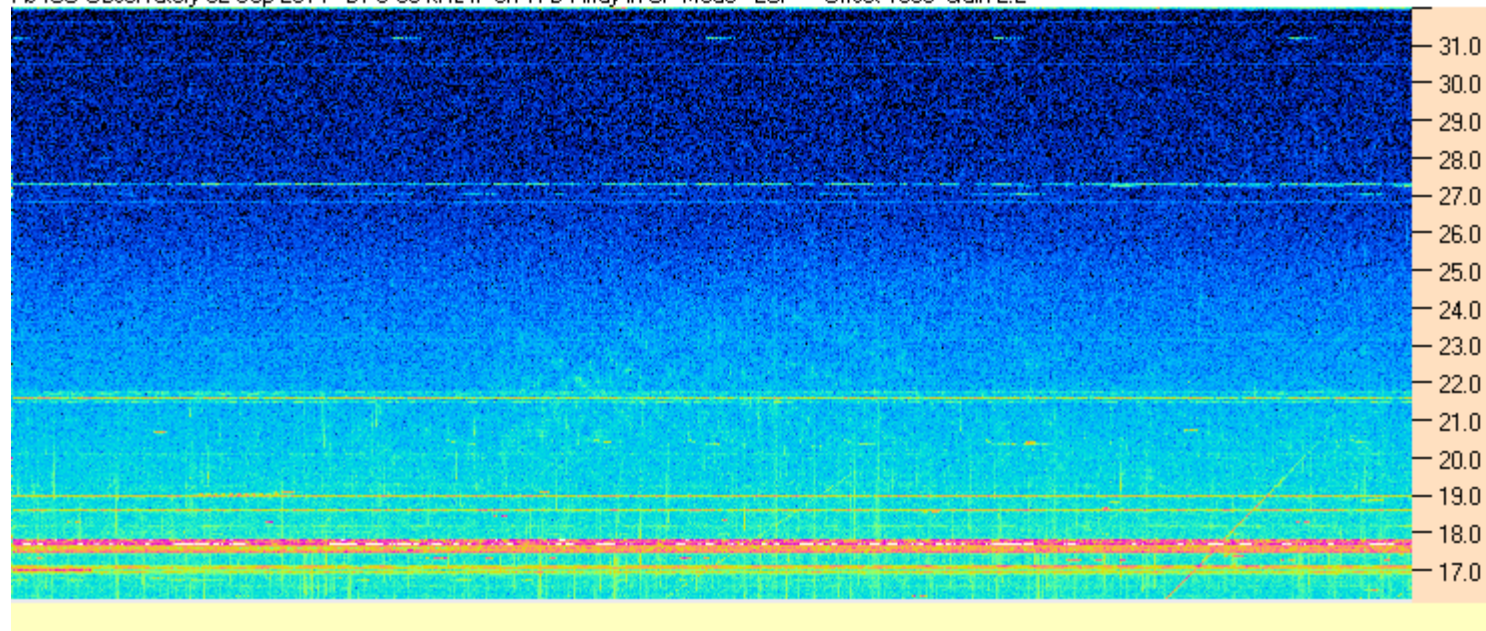
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09/02/2014 by AJ4CO RSP in High Springs, FL

