

Subject: [radiojove-data] 05 Dec 2014 Io-B/D

From: Dave Typinski <davetyp@typnet.net>

Date: 12/05/2014 22:26

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

Adding to Tom & Wes & Jim's nice reports, here's another Jovian two-fer: Io-B and Io-D from Friday morning.

Rather weak RCP dominant L bursting from Io-B observed from 16 to 26 MHz lasting 2.6 hours. No modulation lanes visible.

Much stronger LCP dominant L bursting from Io-D observed from 16 to 22 MHz lasting 1.2 hours. Weak negative drift modulation lanes visible circa 0905 and 0922 UTC.

The surprise is that the A/B (northern hemisphere) and C/D (southern hemisphere) emission sources were both active at the same time. We don't usually observe that, but it's not unheard of. It is also observed to happen once in a while in the A/C region of the phase plane.

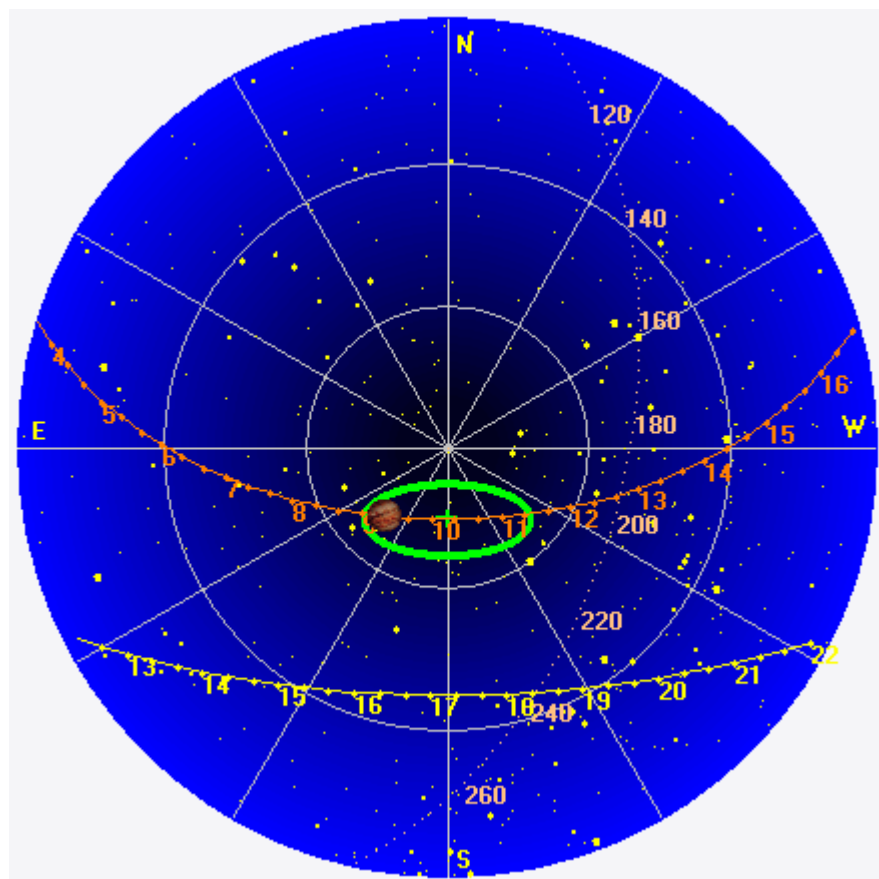
Jupiter was -32° to $+6^\circ$ off axis for Io-B and -26° to -9° off axis for Io-D.

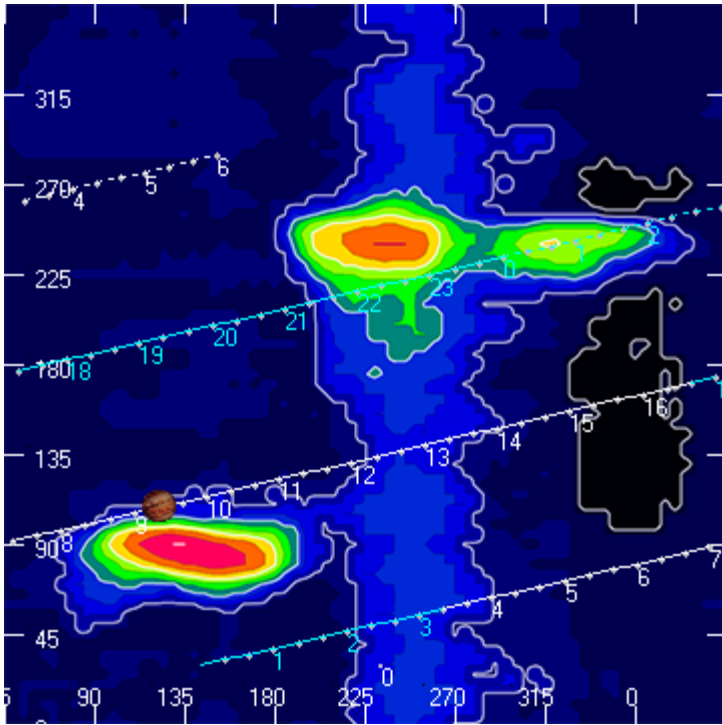
Jupiter was leading the Sun by 111° .

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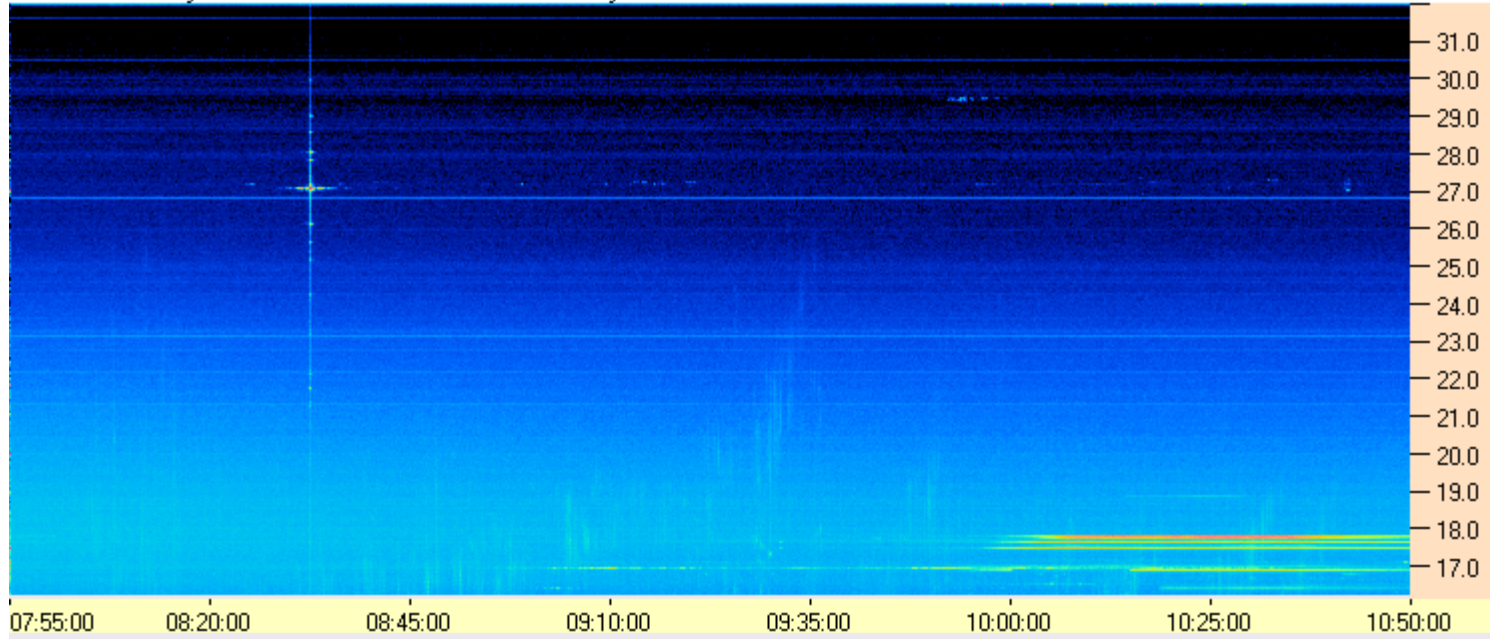
Dave

AJ4CO Observatory 05 Dec 2014, log entry 220 & 221

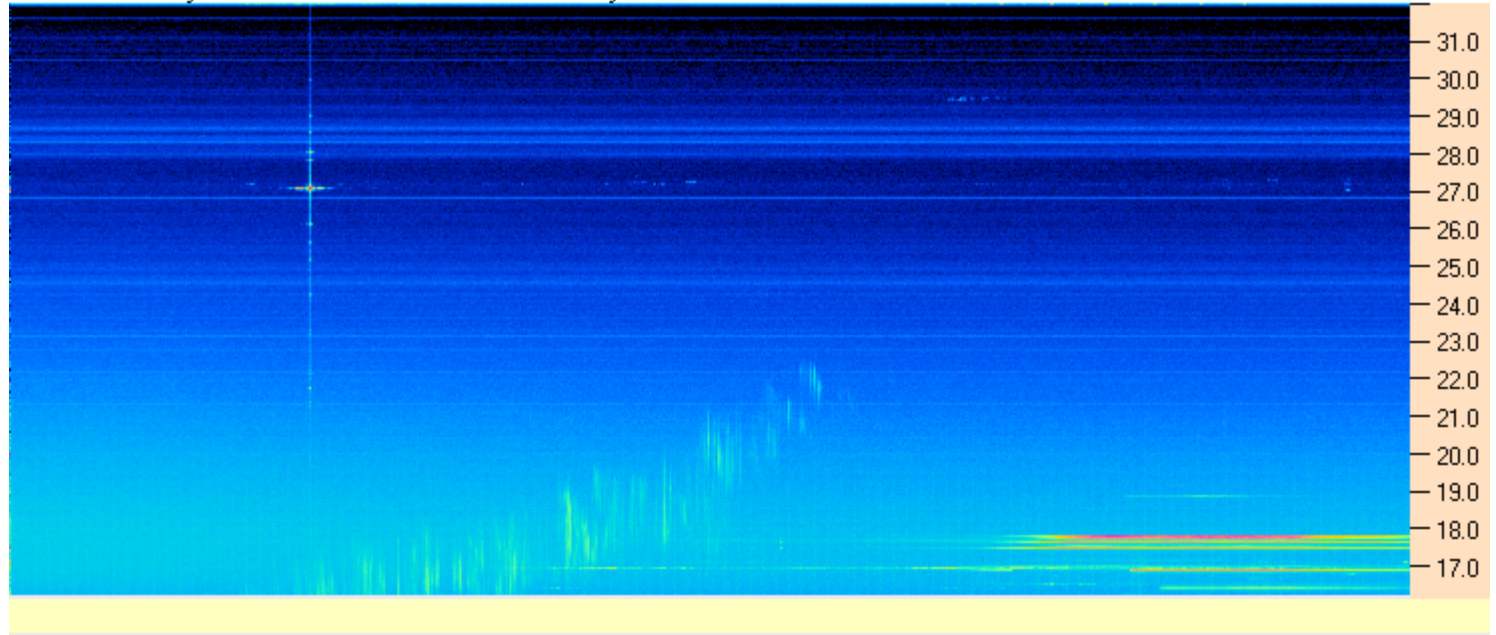


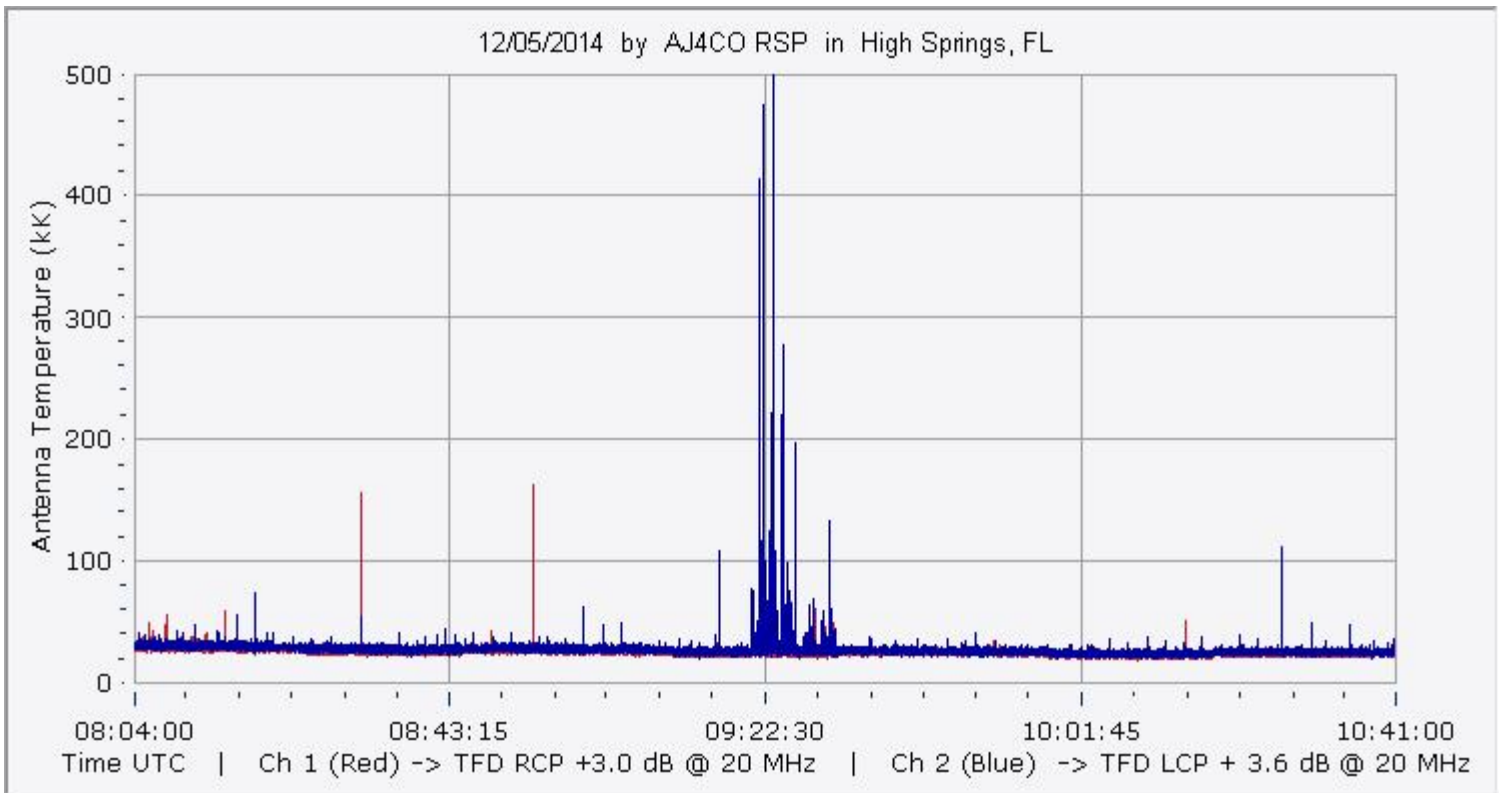


AJ4CO Observatory 05 Dec 2014 - DPS 30 kHz IF on TFD Array in CP Mode - RCP Offset 1825 Gain 2.2

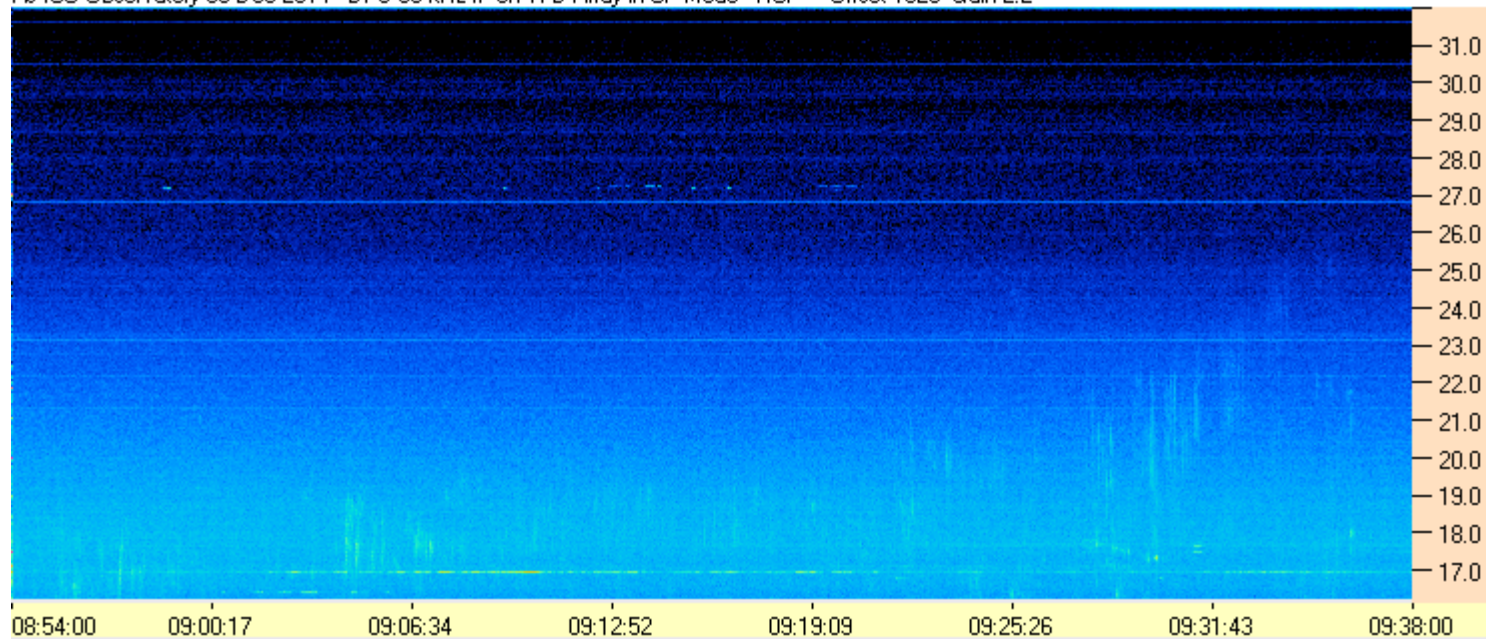


AJ4CO Observatory 05 Dec 2014 - DPS 30 kHz IF on TFD Array in CP Mode - LCP Offset 1825 Gain 2.2

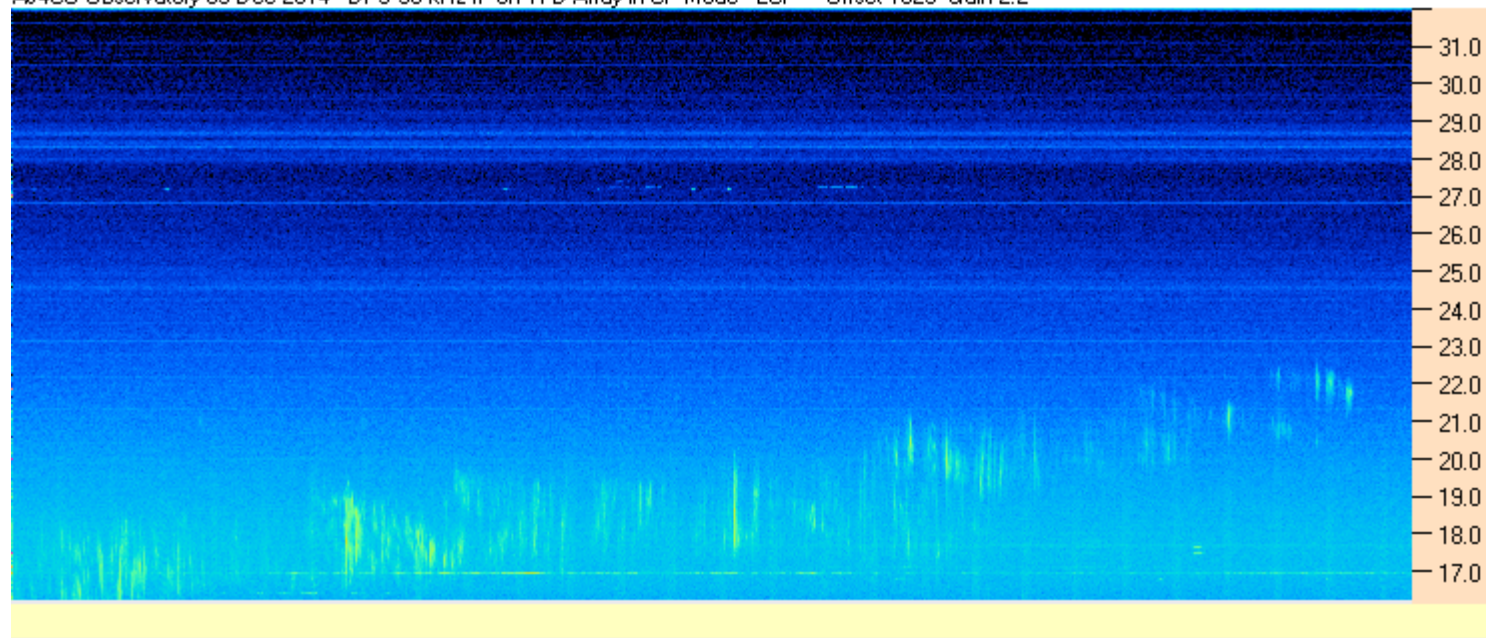


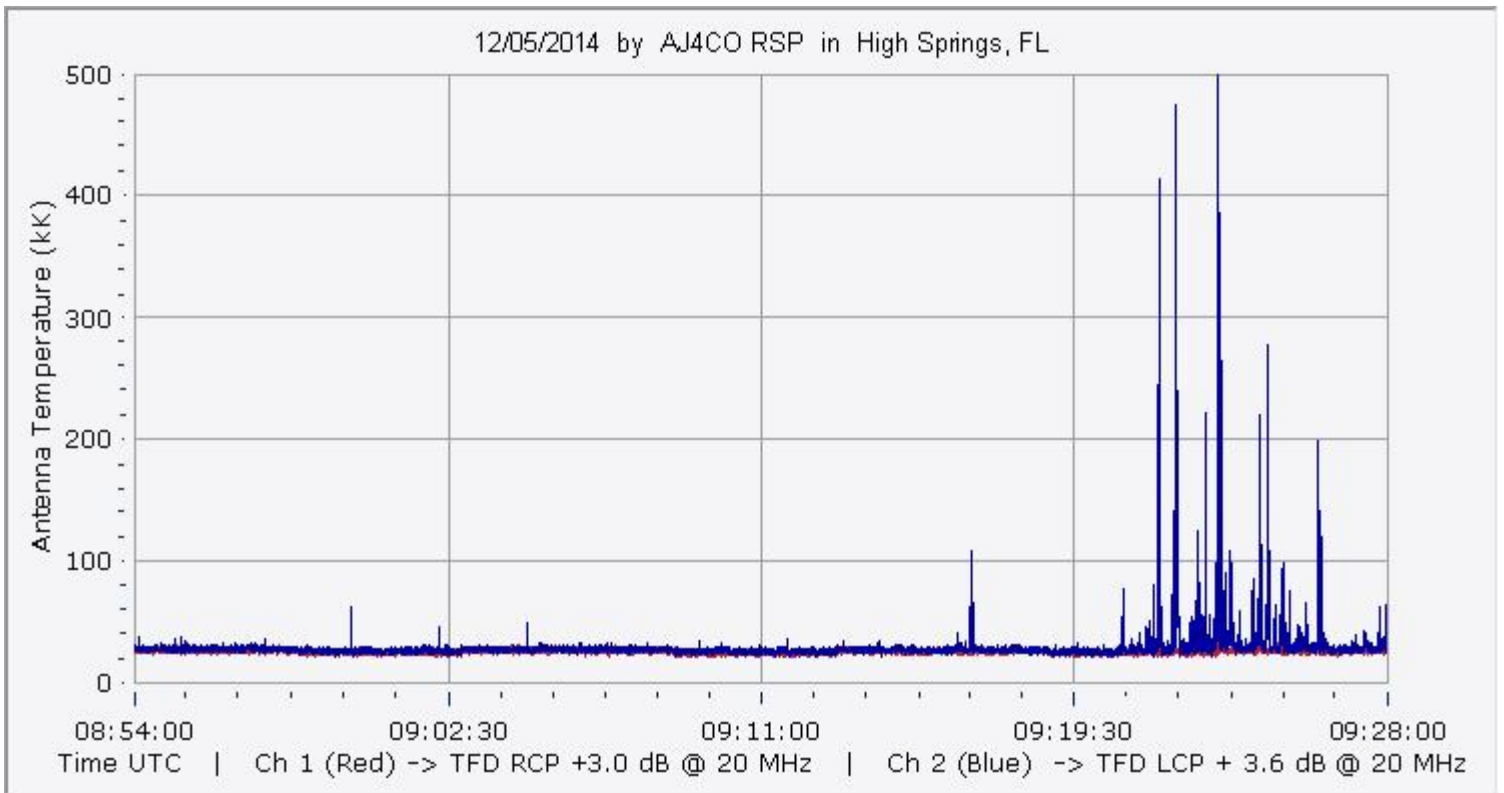


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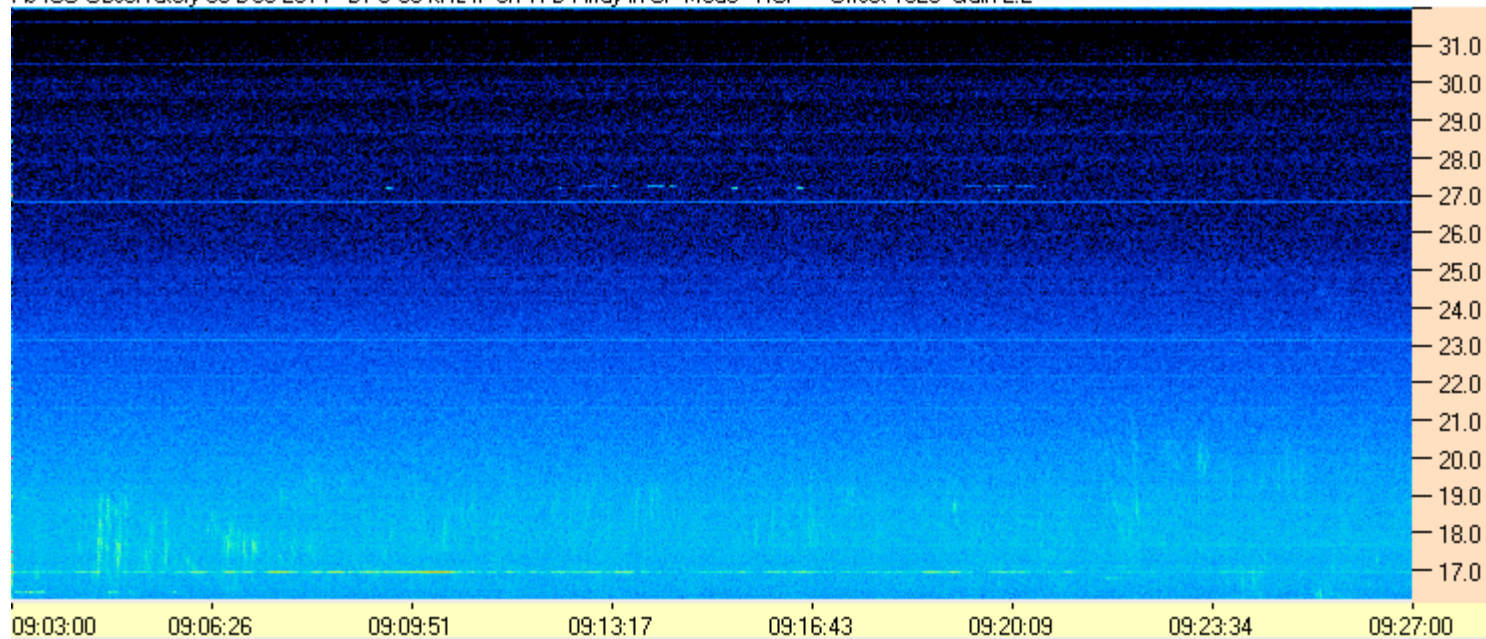


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