

Subject: [radiojove-data] 20 Jan 2015 Io-B/D

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Date: 01/23/2015 01:56

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

Adding to Jim & Tom & Wes's great reports, here's some more Io-B/D from Tuesday morning.

Nice RCP Io-B arc with an LCP Io-D arc happening at the same time.

Io-B RCP dominant L bursting from 16 to 32 MHz. Lots of well defined modulation lanes. Positive drift lanes curving from +75 kHz/s at 16 MHz to +200 kHz/s at 32 MHz. Negative drift rates throughout at -40 to -50 to kHz/s.

Lots of Io-B RCP dominant S bursting from 16 to 32 MHz. At some points the S bursting was so dense it almost looked like L bursting.

Io-D LCP narrow band S bursting with a little narrow band L bursting from 16 to 23 MHz. No modulation lanes in LCP. On a short time scale, these looked like N events, but on the longer time scale (hours) they are seen to lack the random frequency changes of a classic N event, the emission frequency instead having slight random movement with the emission frequencies curving nicely to form the Io-D arc structure.

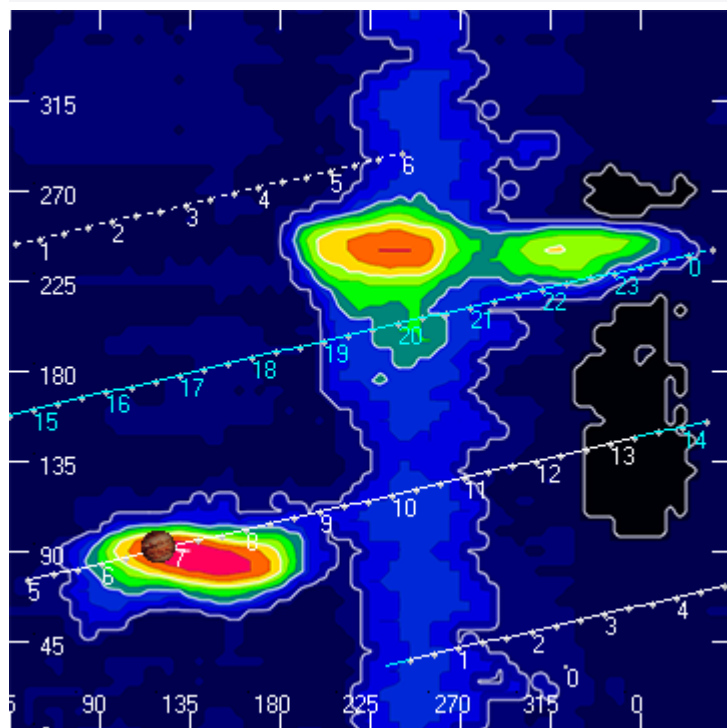
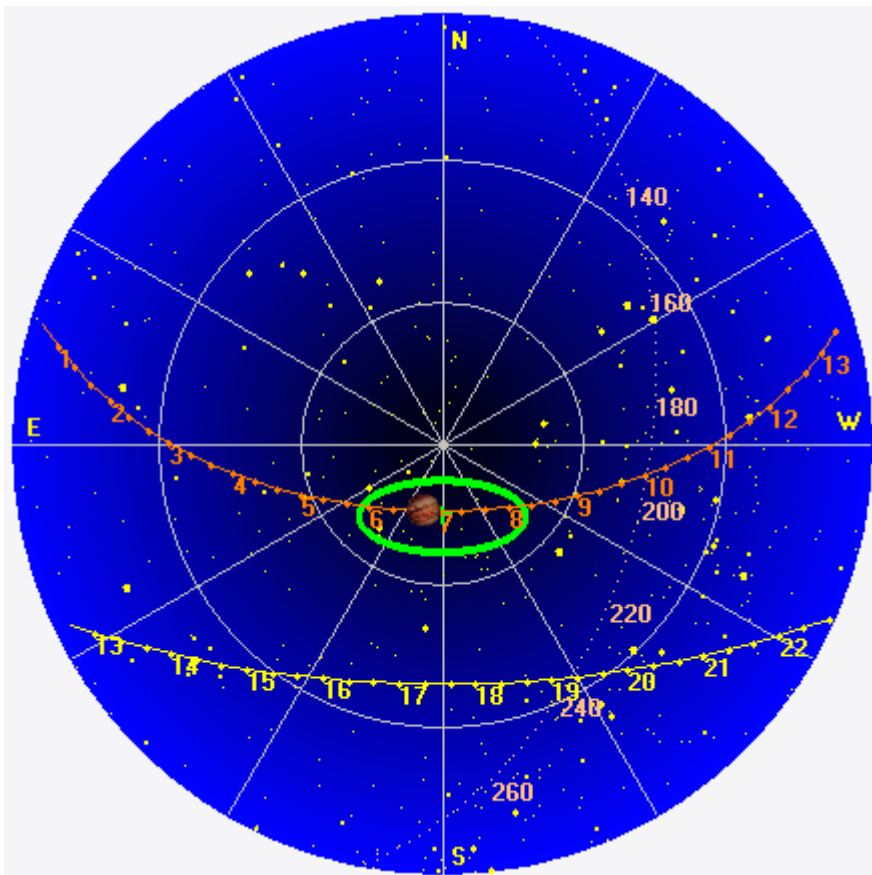
Jupiter was -26° to $+24^{\circ}$ off axis.

Jupiter was leading the Sun by 160° .

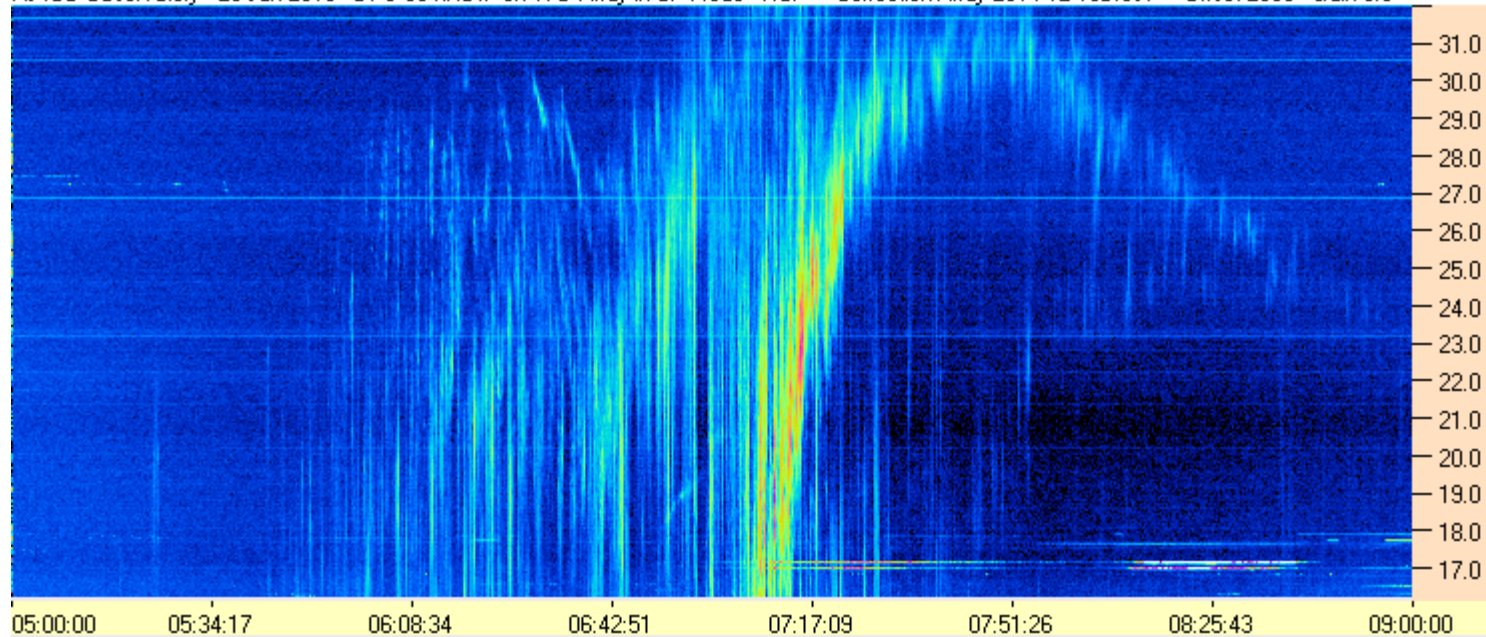
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Dave

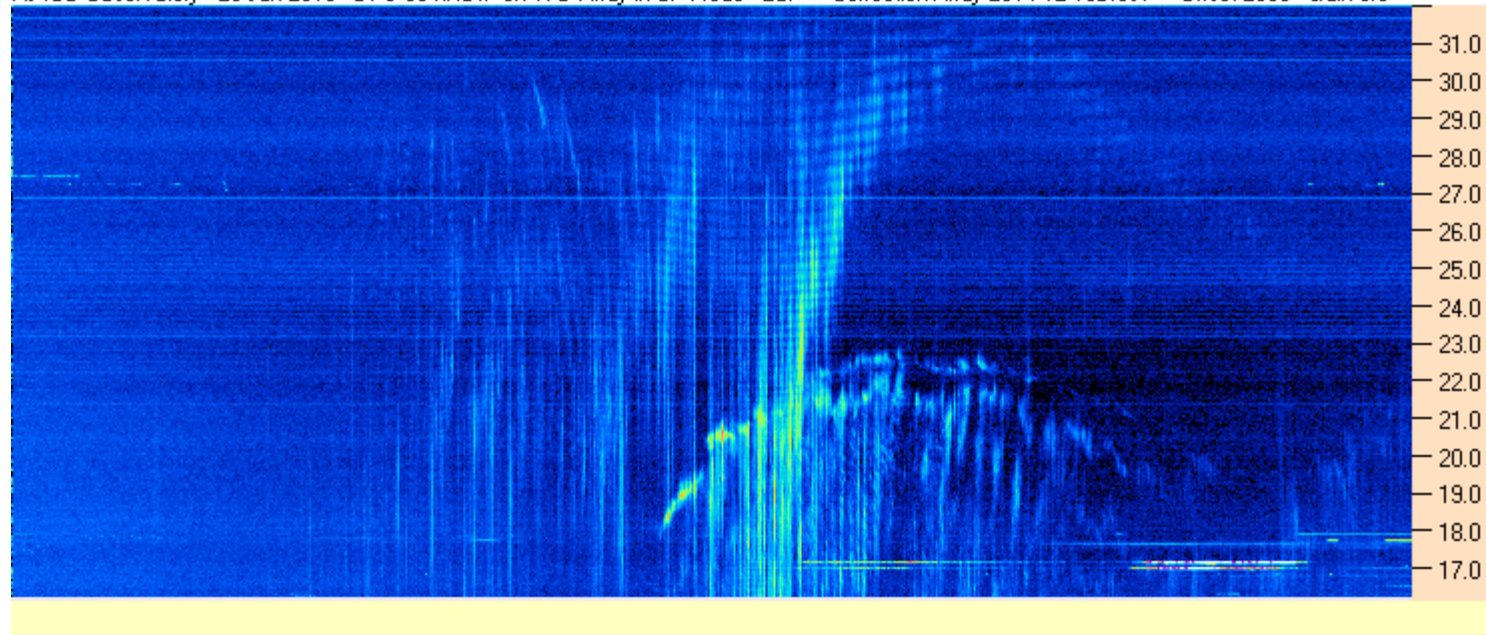
AJ4CO Observatory 20 Jan 2015, log entry 286(RCP L), 287(RCP S), 288(LCP S)

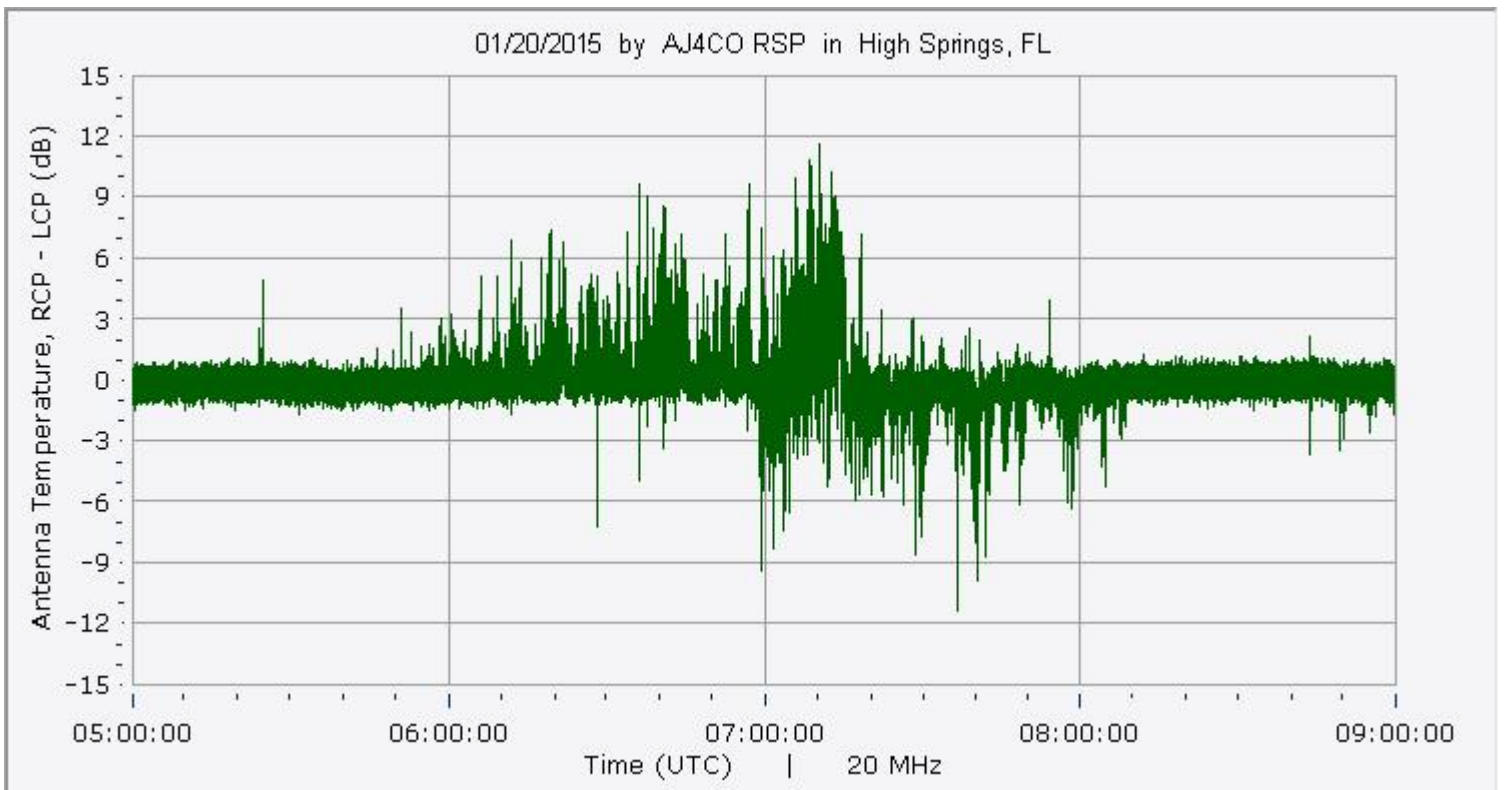
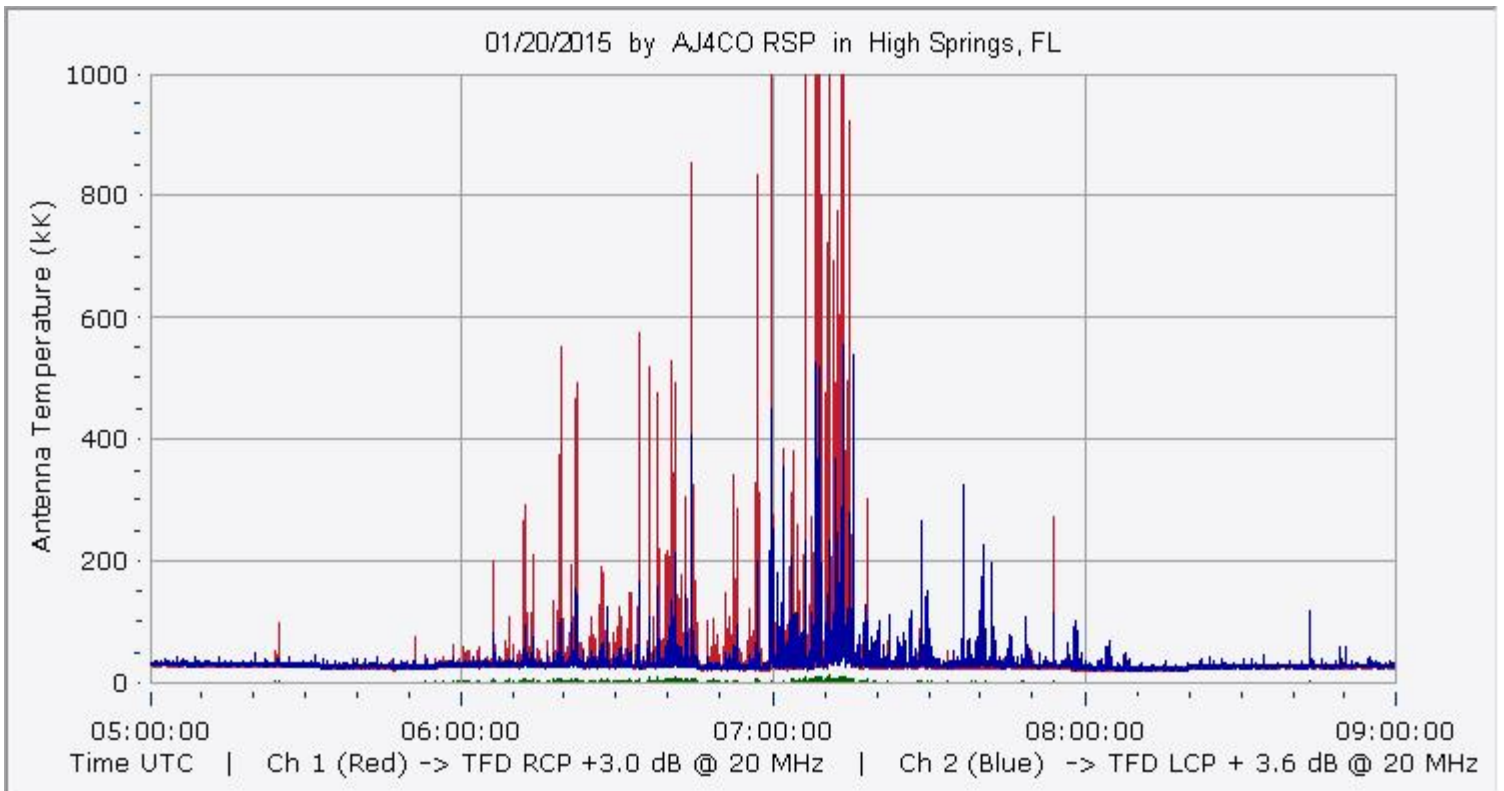


AJ4CO Observatory - 20 Jan 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP Correction Array 2014 12 18B.csv Offset 2050 Gain 5.0

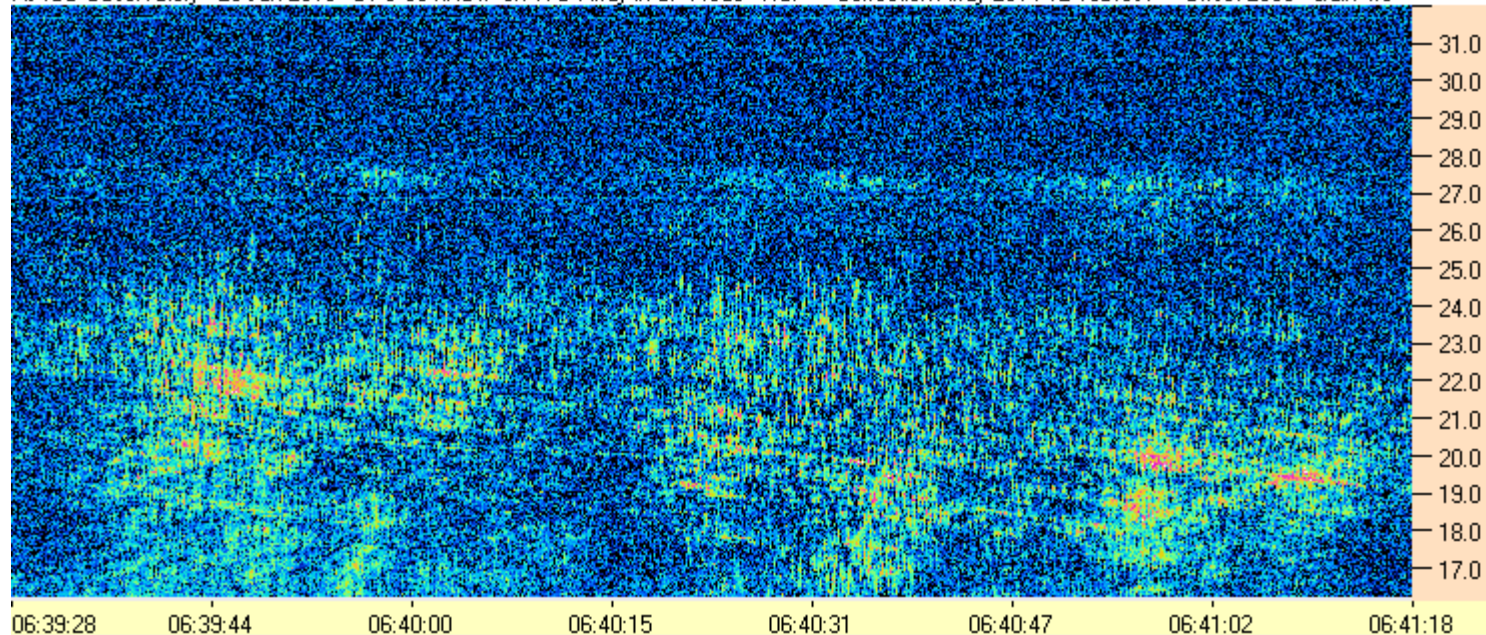


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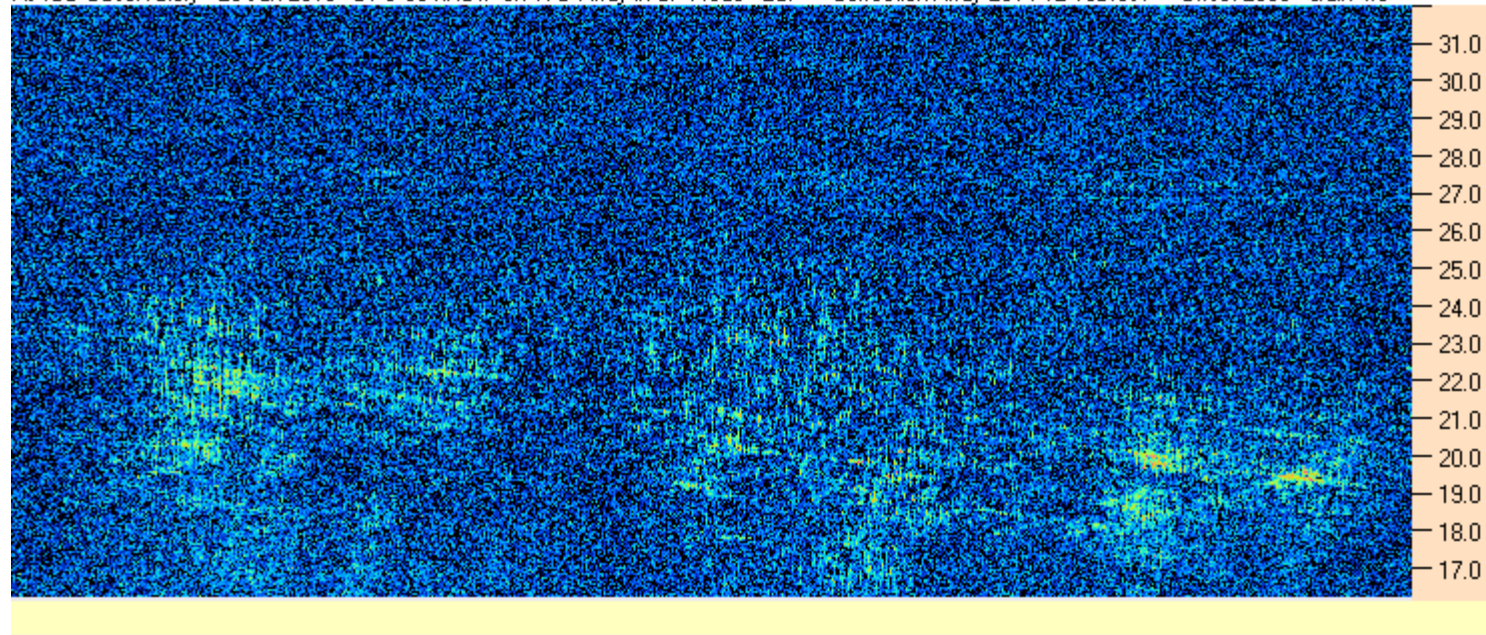


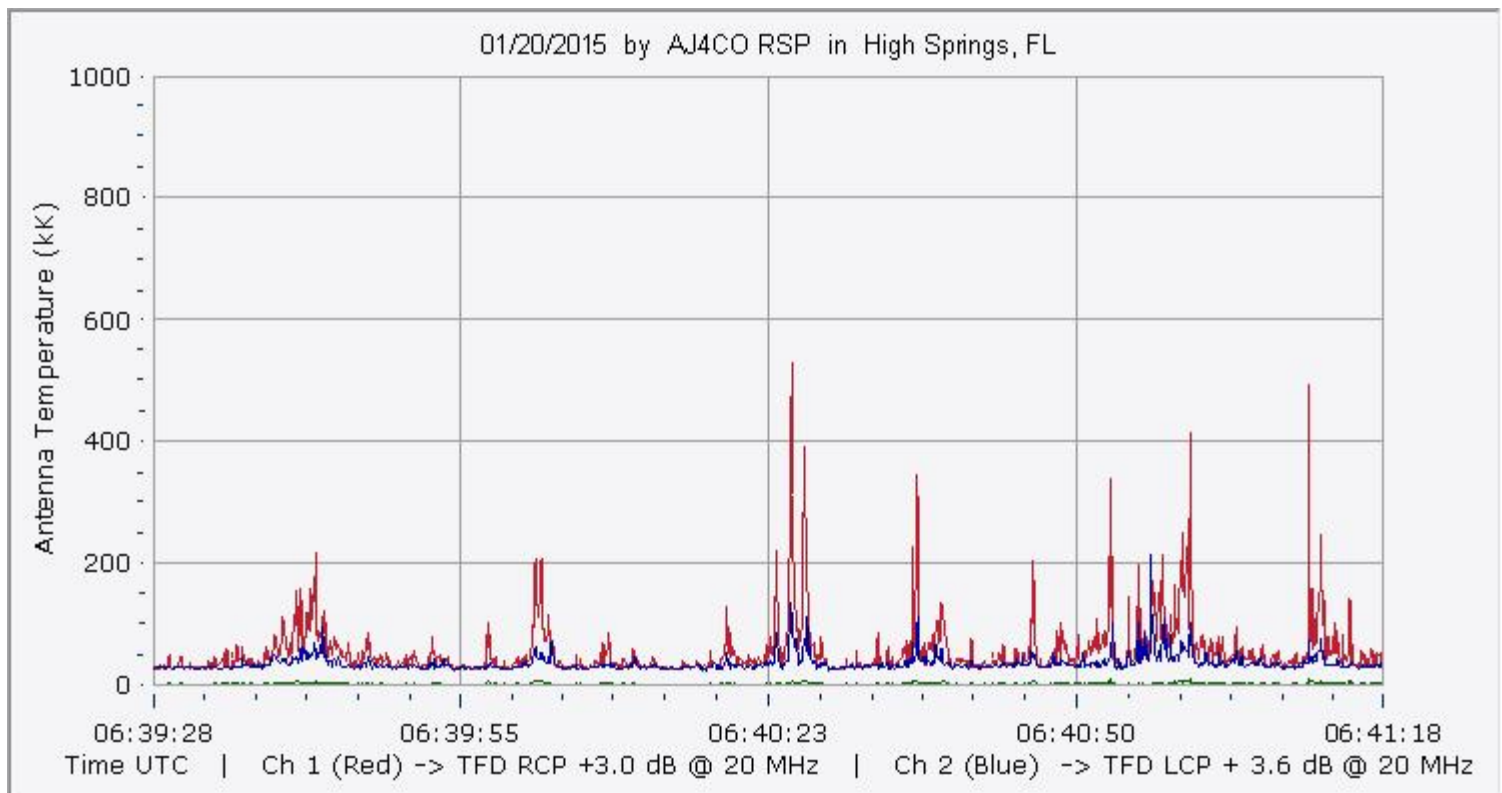


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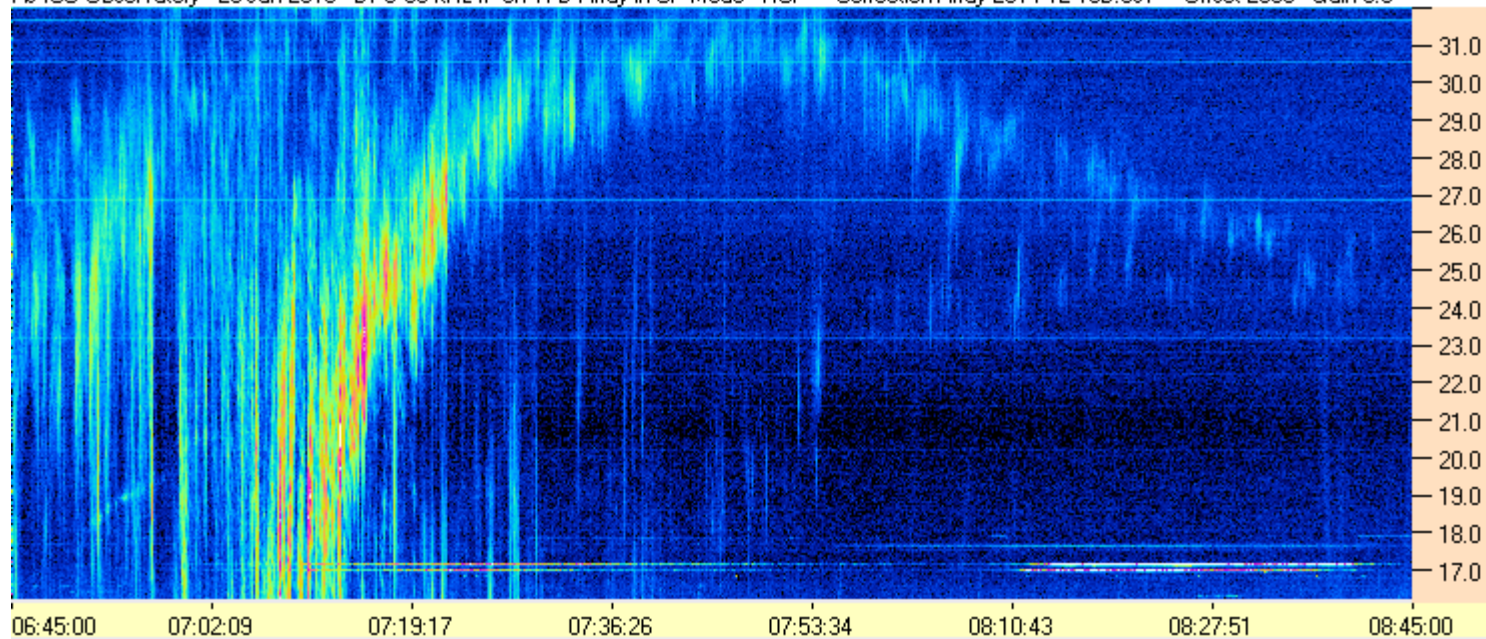


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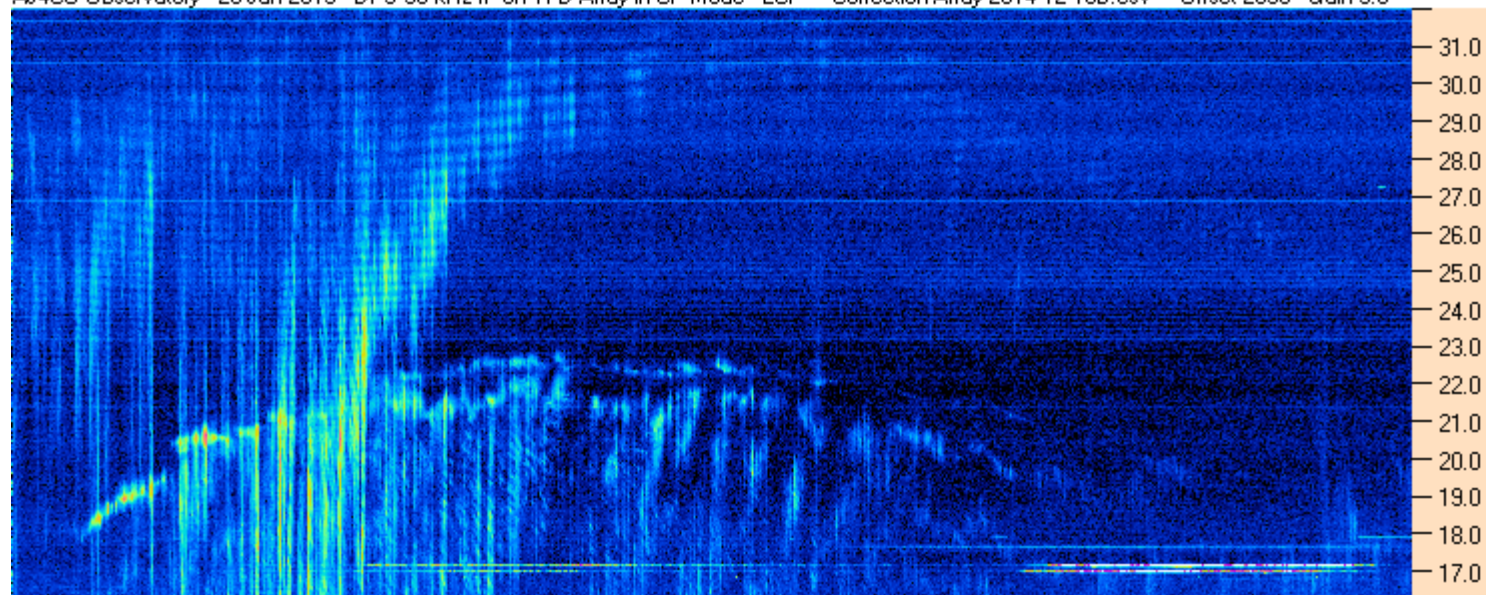


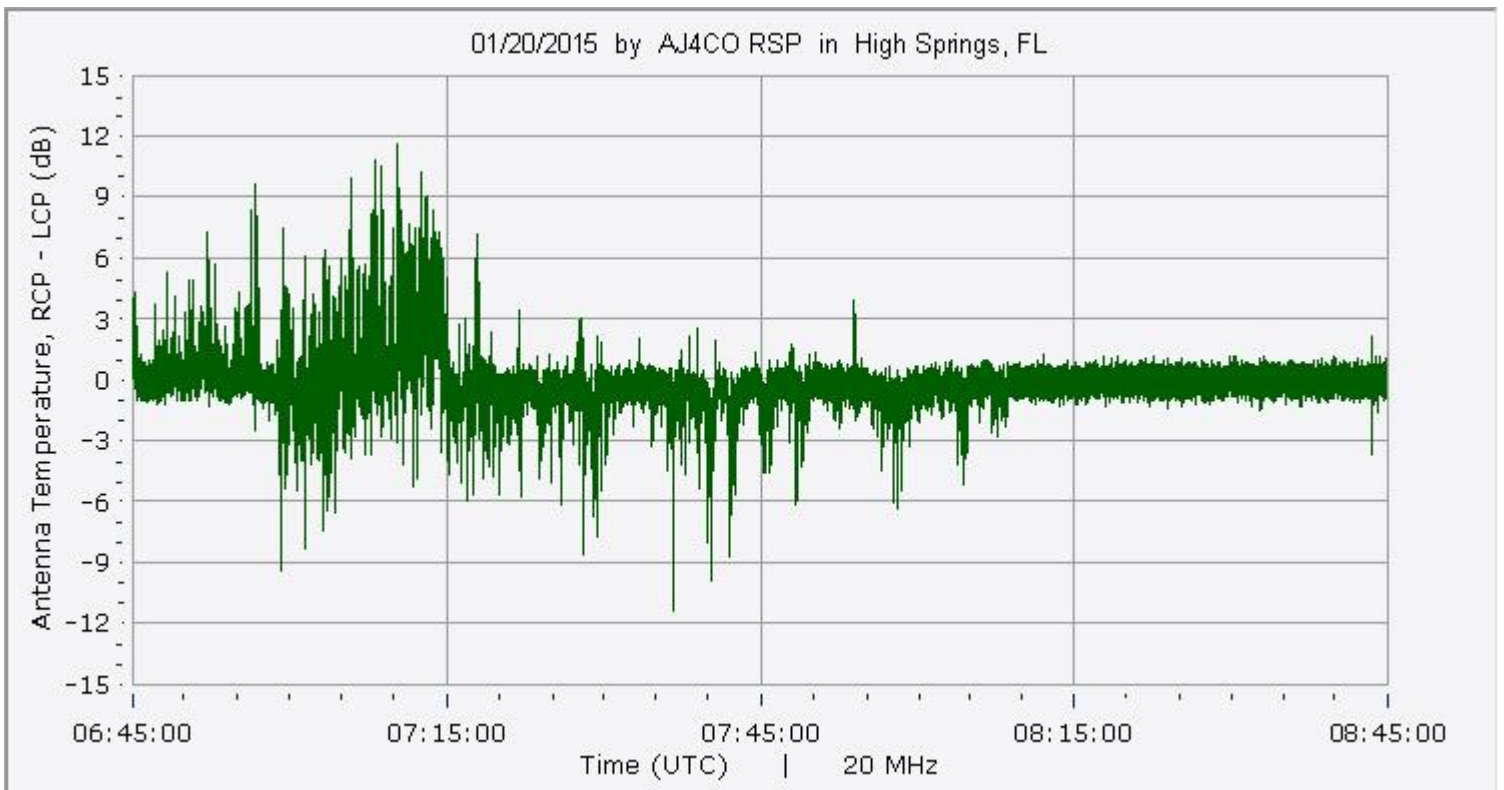
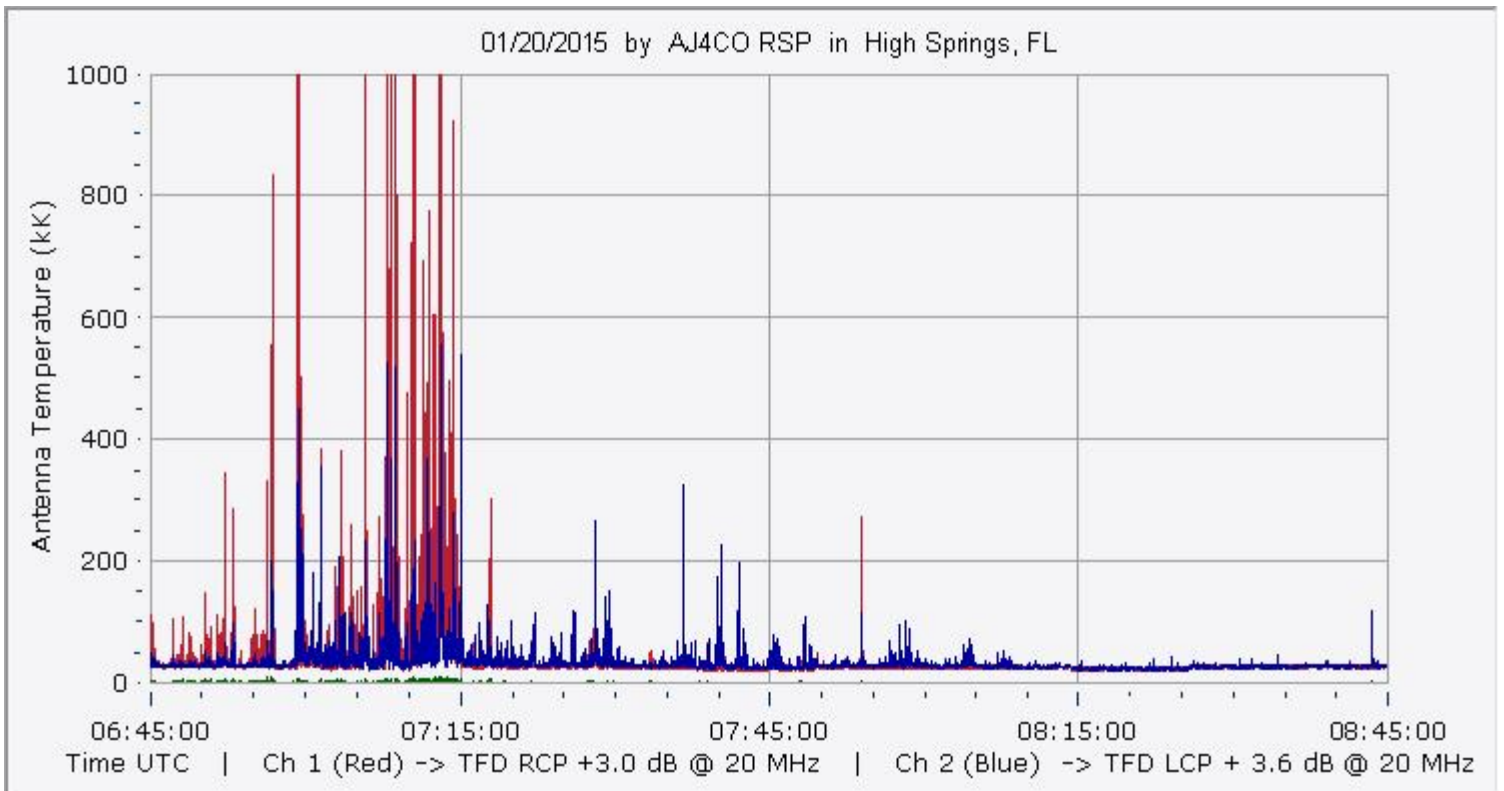


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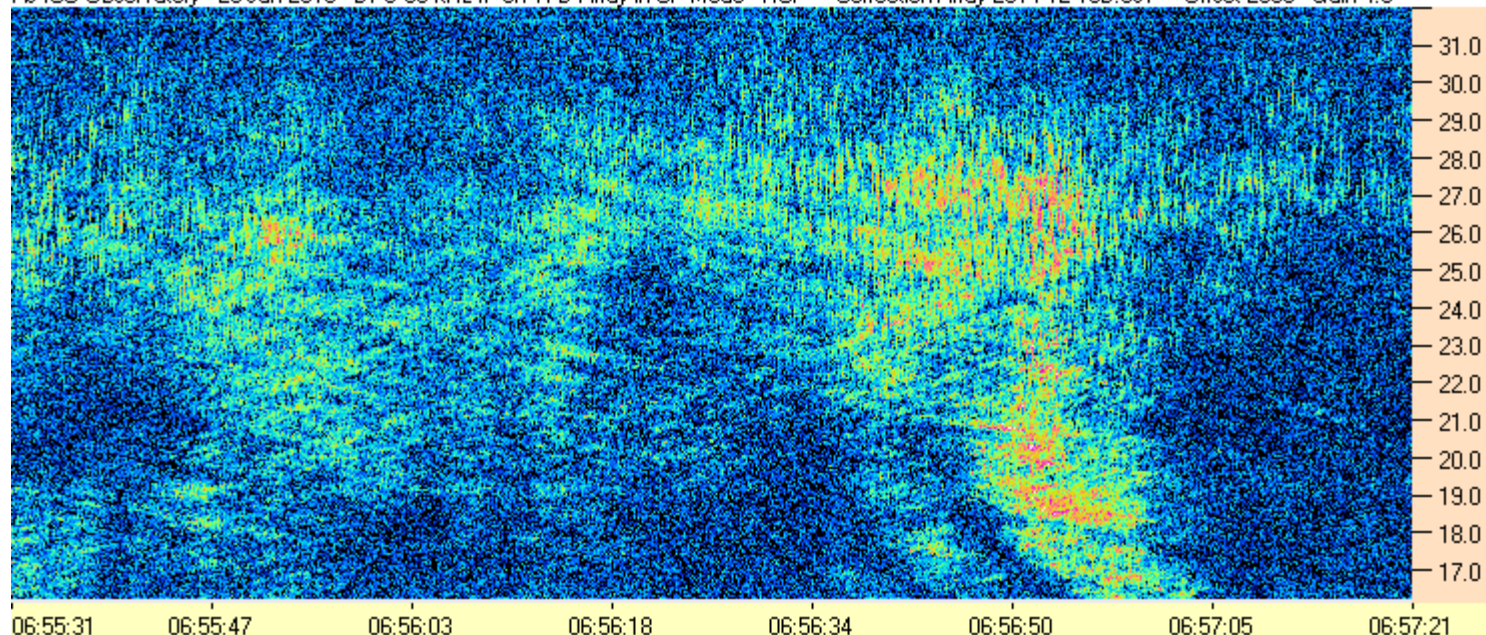


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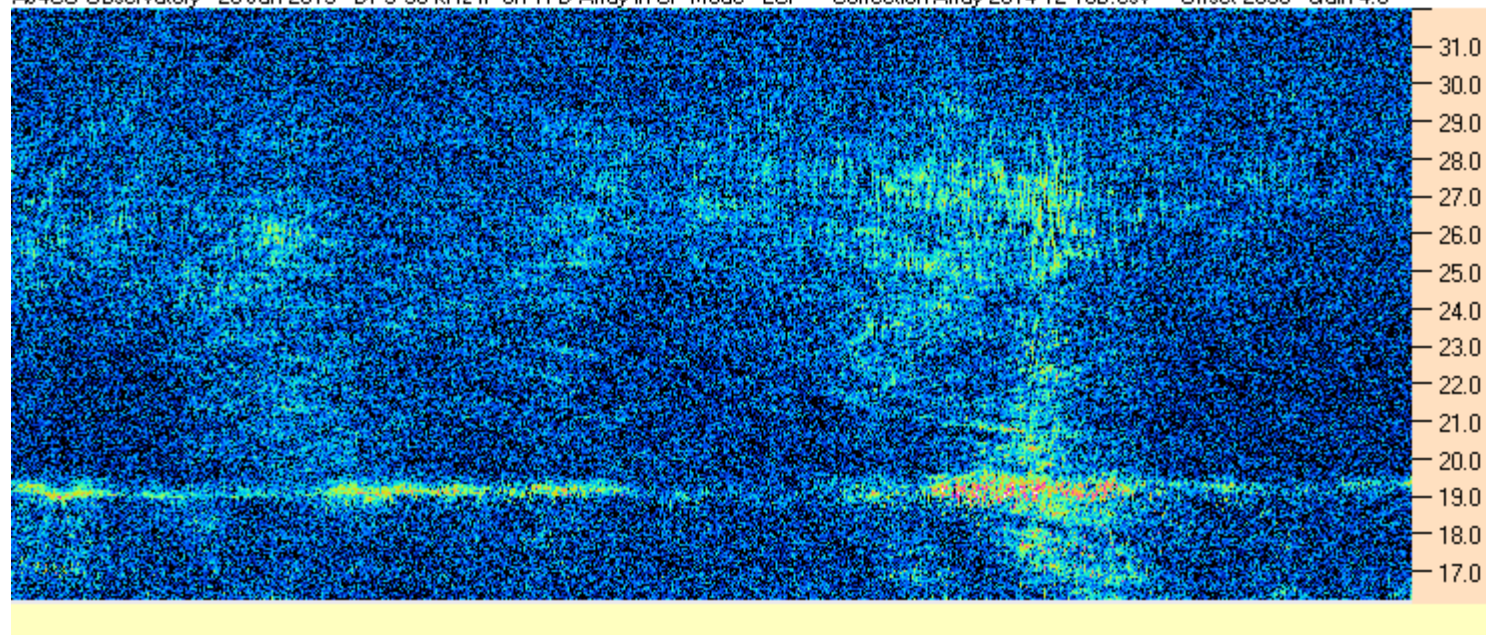


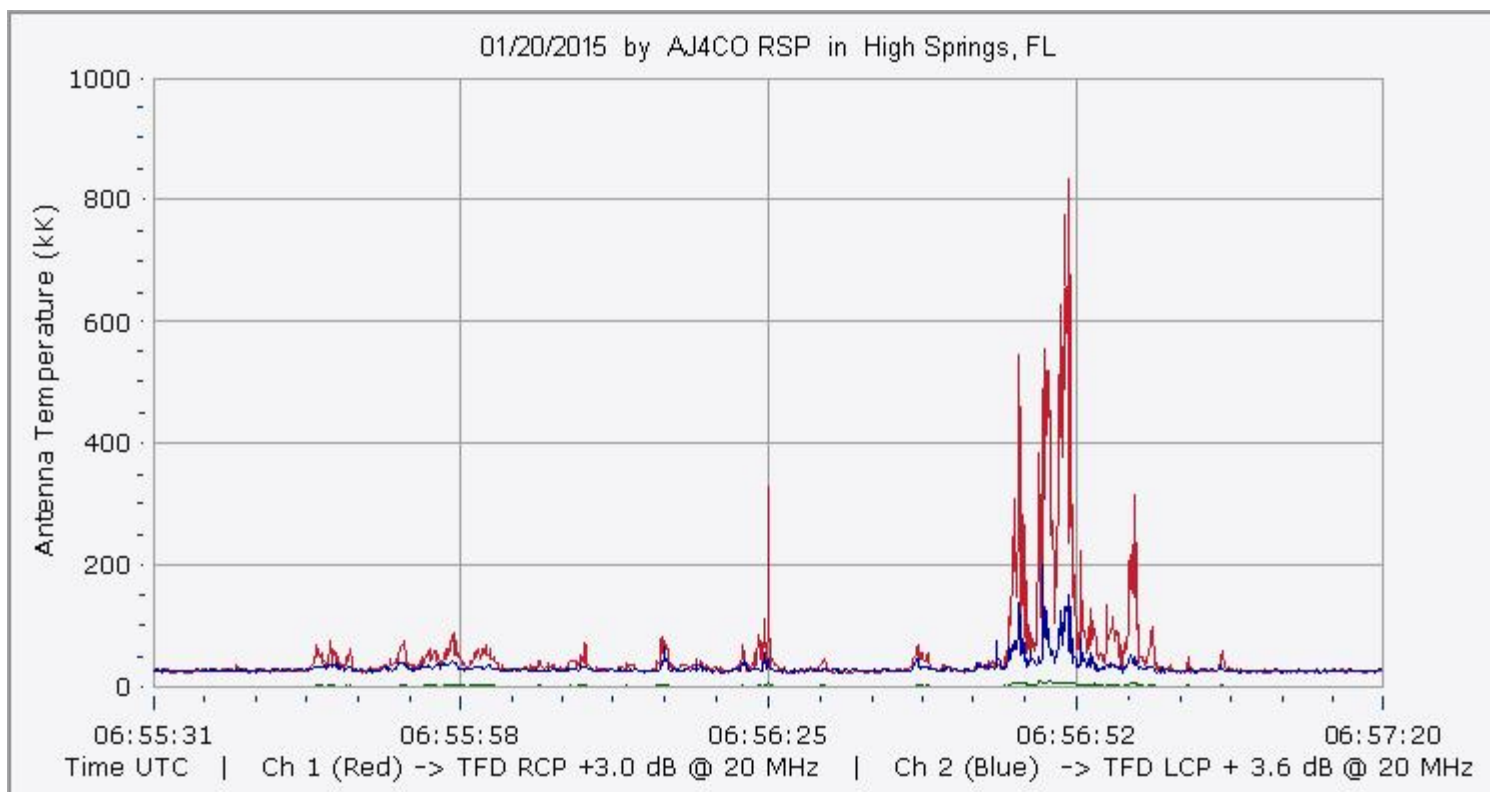


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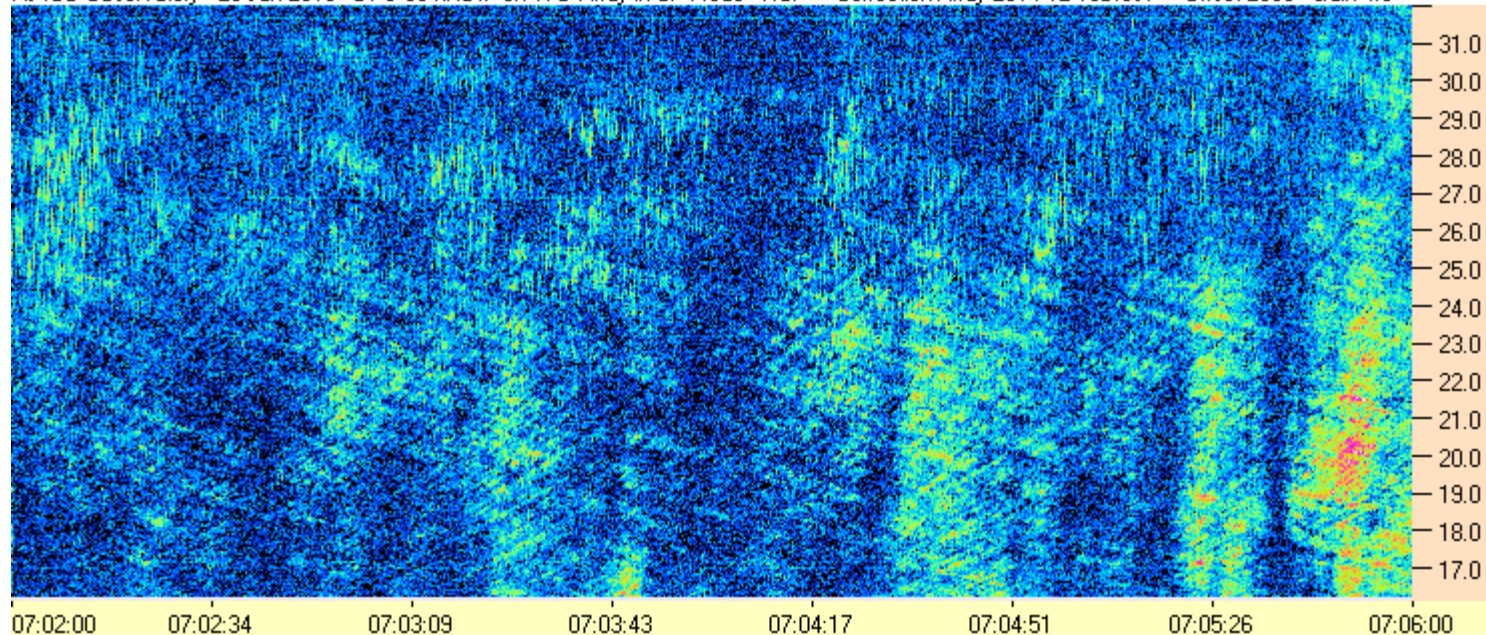


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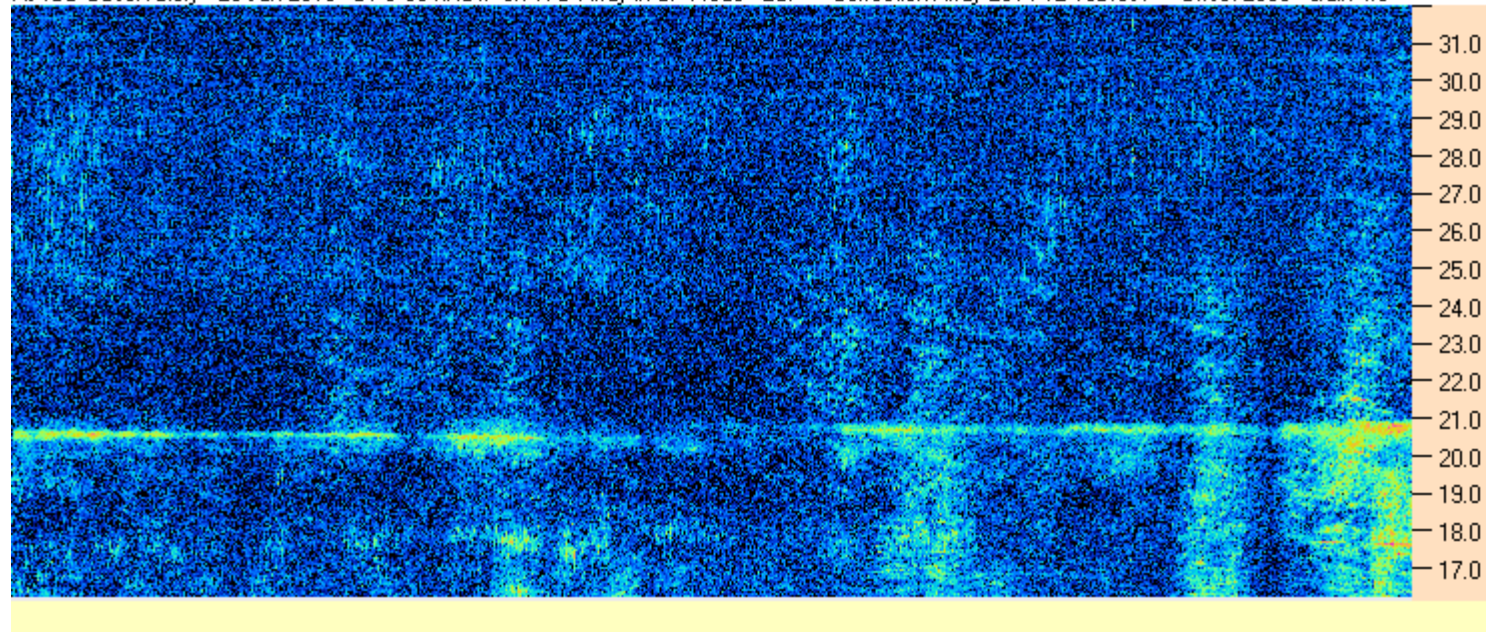


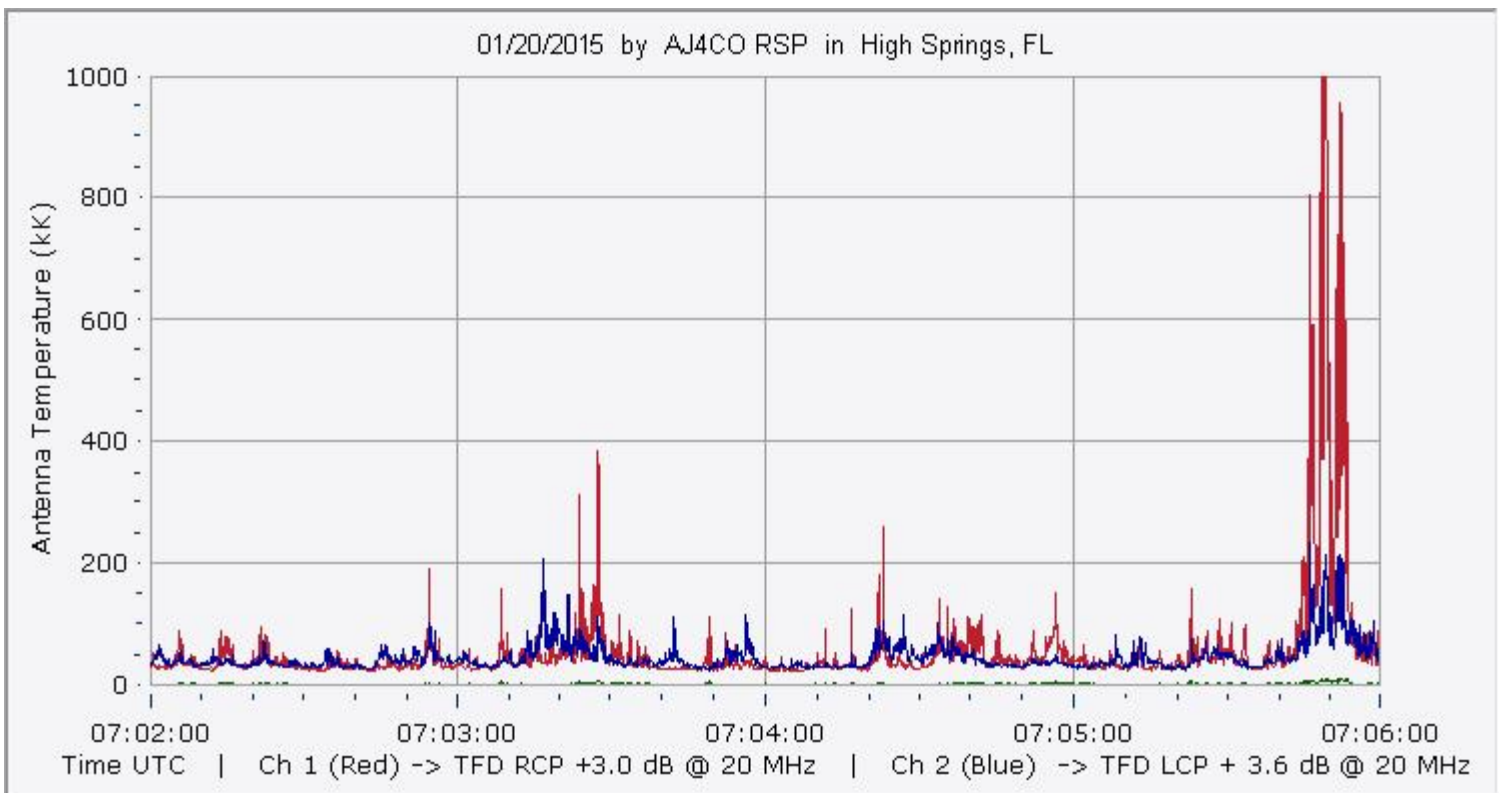


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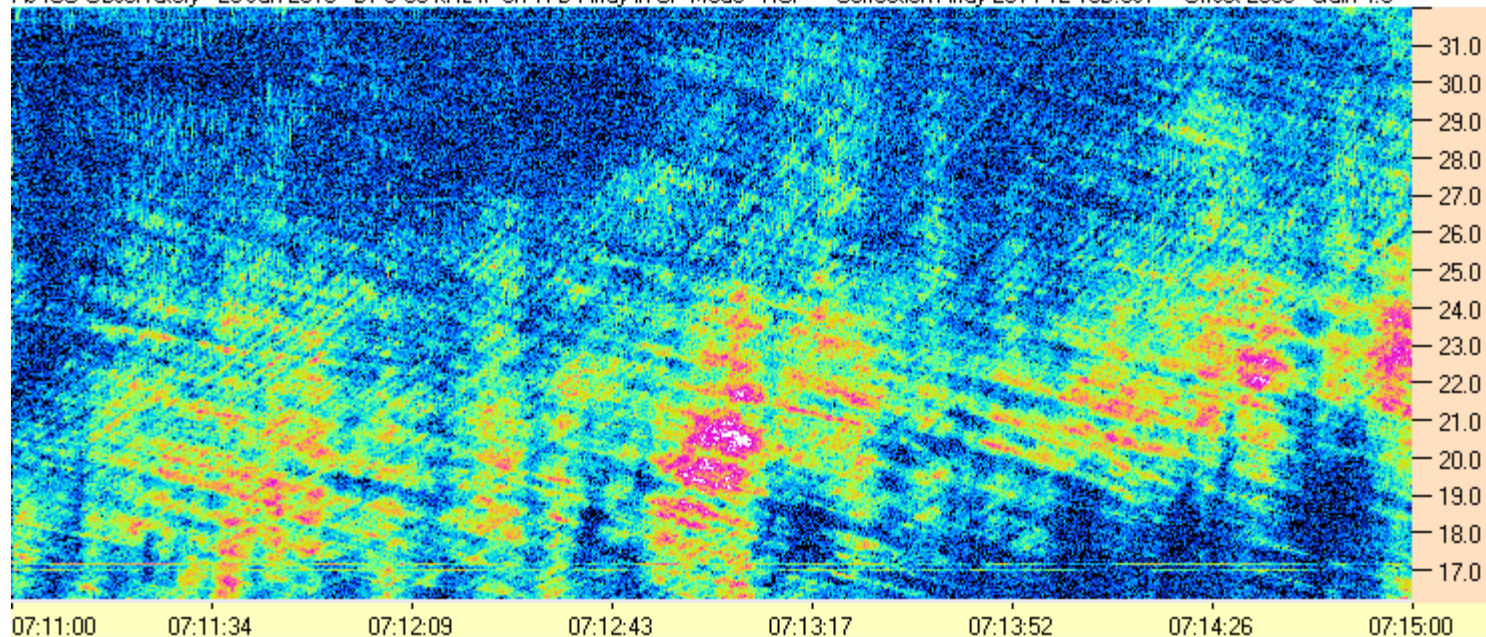


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