

Subject: [radiojove-data] 23 Jan 2016 Io-B

From: Dave Typinski <davetyp@typnet.net>

Date: 01/23/2016 22:45

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

Adding to Jim & Wes's nice reports, here's some Io-B from Saturday morning.

A very strange Io-B storm, overall. For one thing, it was relatively weak in L bursting yet passably strong in S bursting.

More interesting is that S bursts normally ride the leading edge of the main Io-B L-bursting vertex-early arc, but in this case, the S burst arc occurred an hour later, long after the L bursting. Strange. Maybe it was Io-D producing RCP emission for some unknown reason. That would be even stranger.

RCP dominant L bursting 0734-0906 UTC from 16 to 31 MHz, vertex early arc, negative drift modulation lanes visible.

RCP dominant S bursting 0921-1100 UTC from 16 to 24 MHz, vertex early arc.

Weak line noise throughout the night.

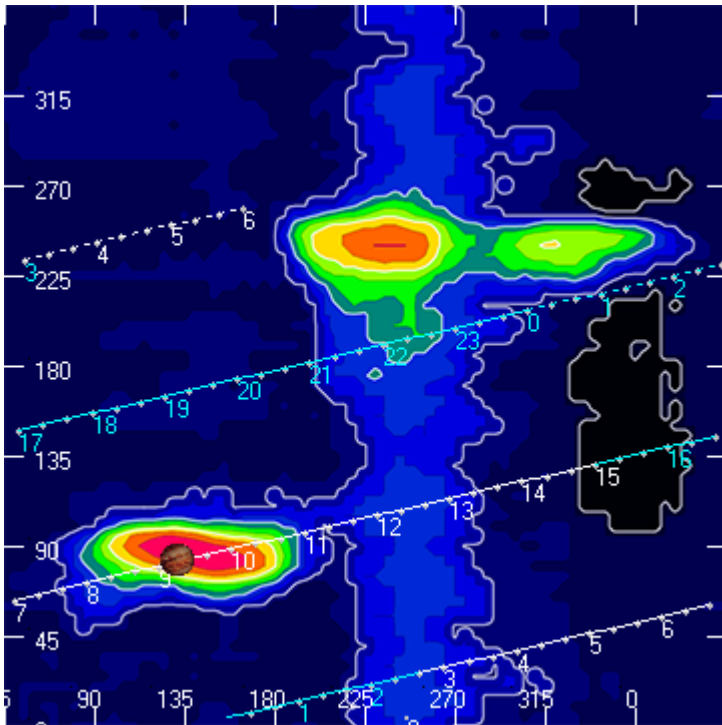
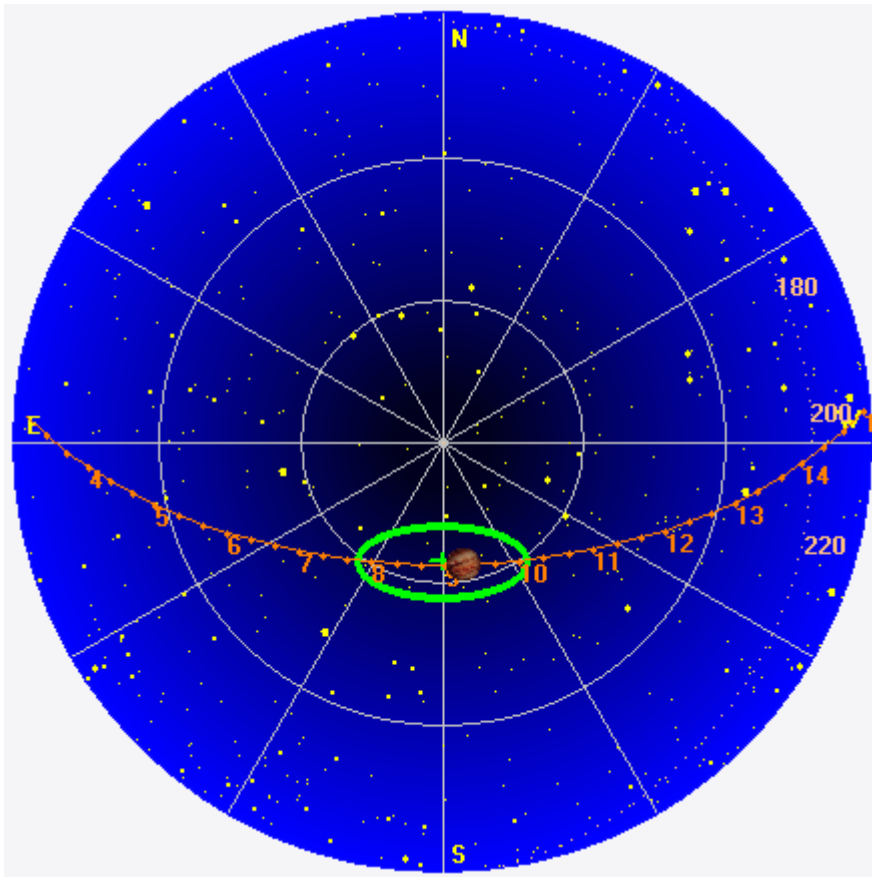
Jupiter was -21° to $+31^{\circ}$ off axis.

Jupiter was leading the Sun by 130° .

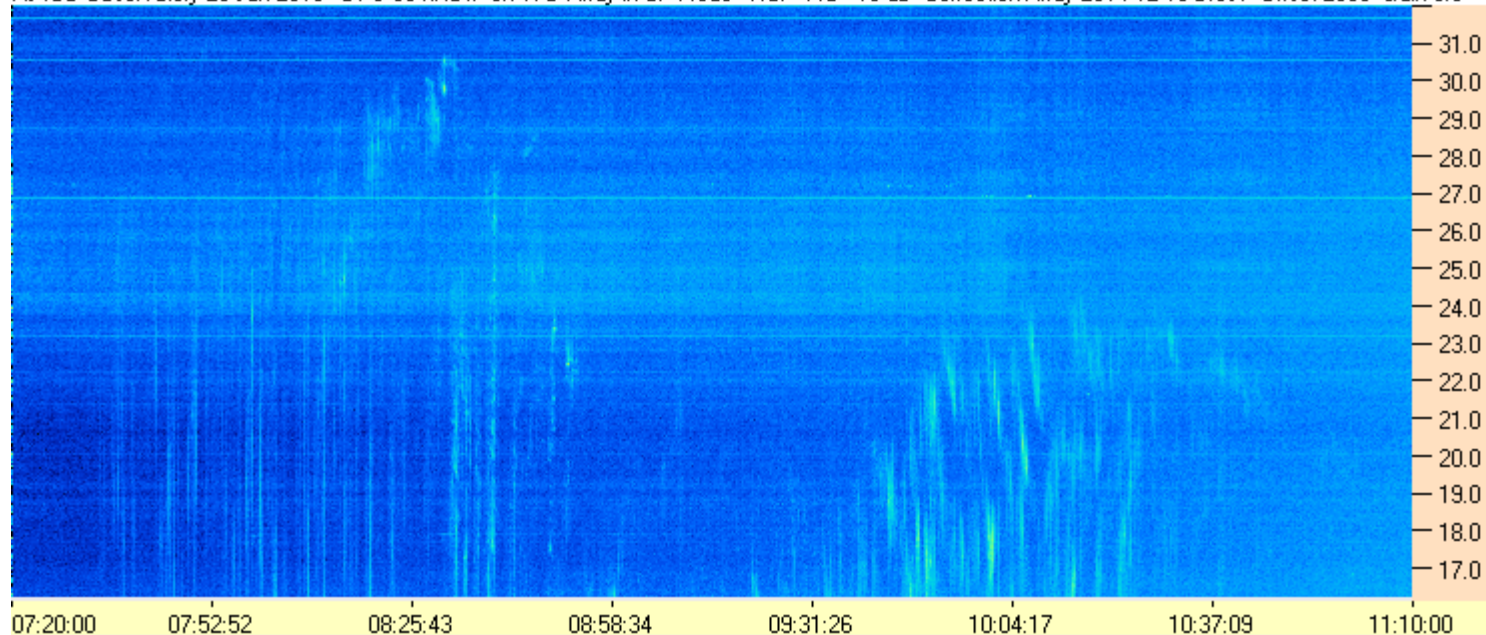
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Dave

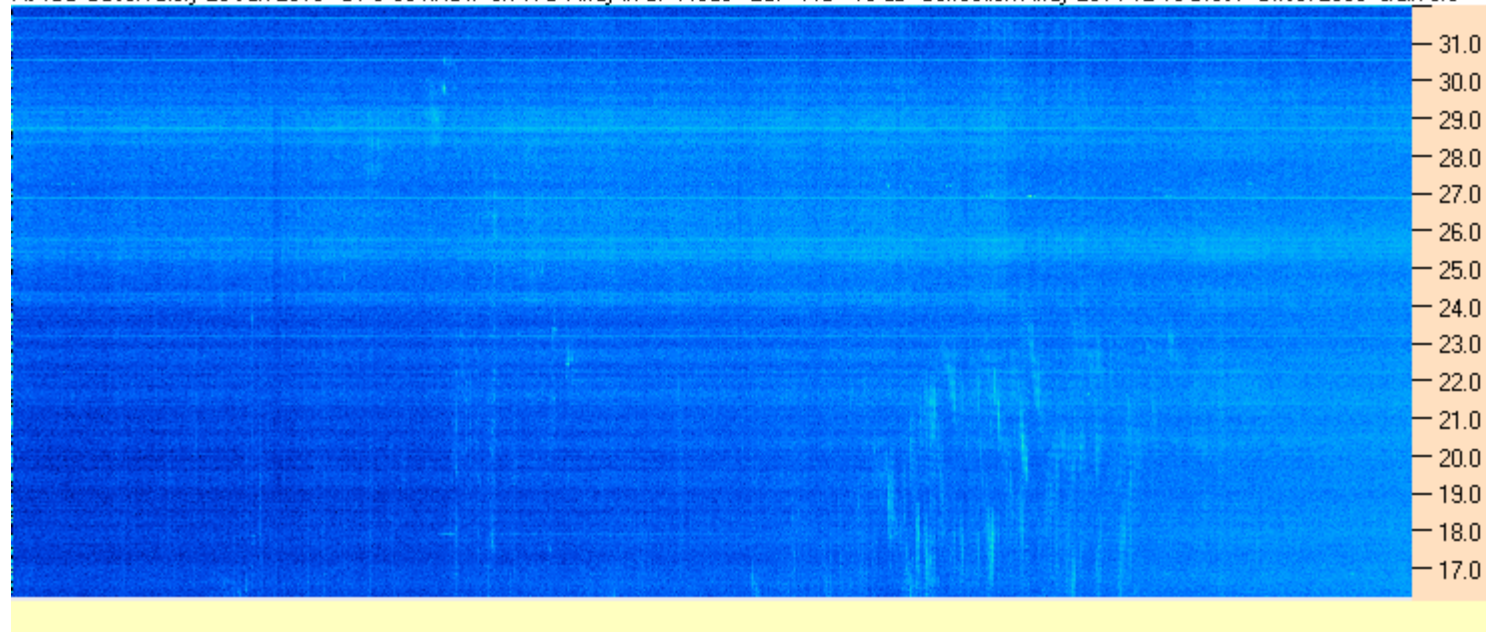
AJ4CO Observatory 23 Jan 2016, log entry 563 - 564

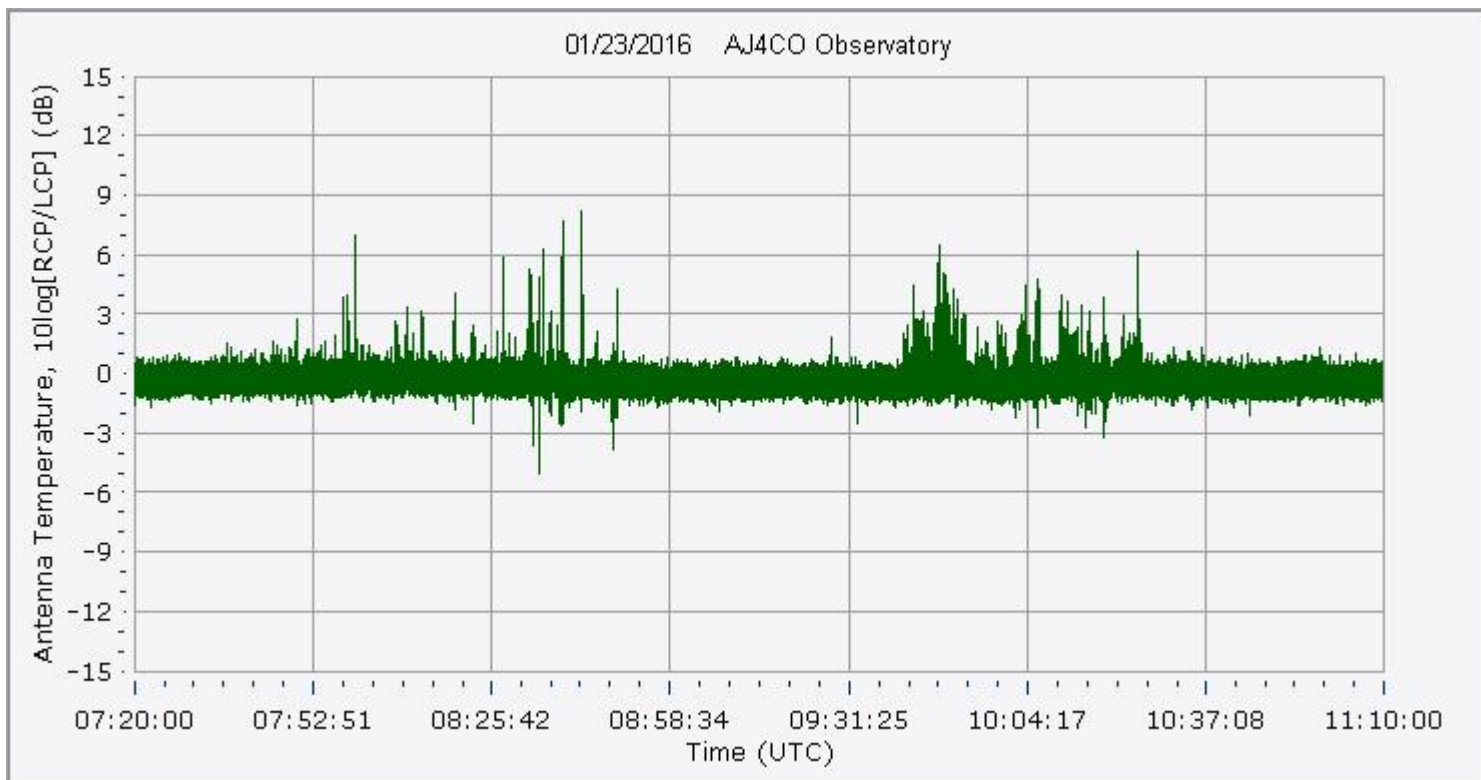
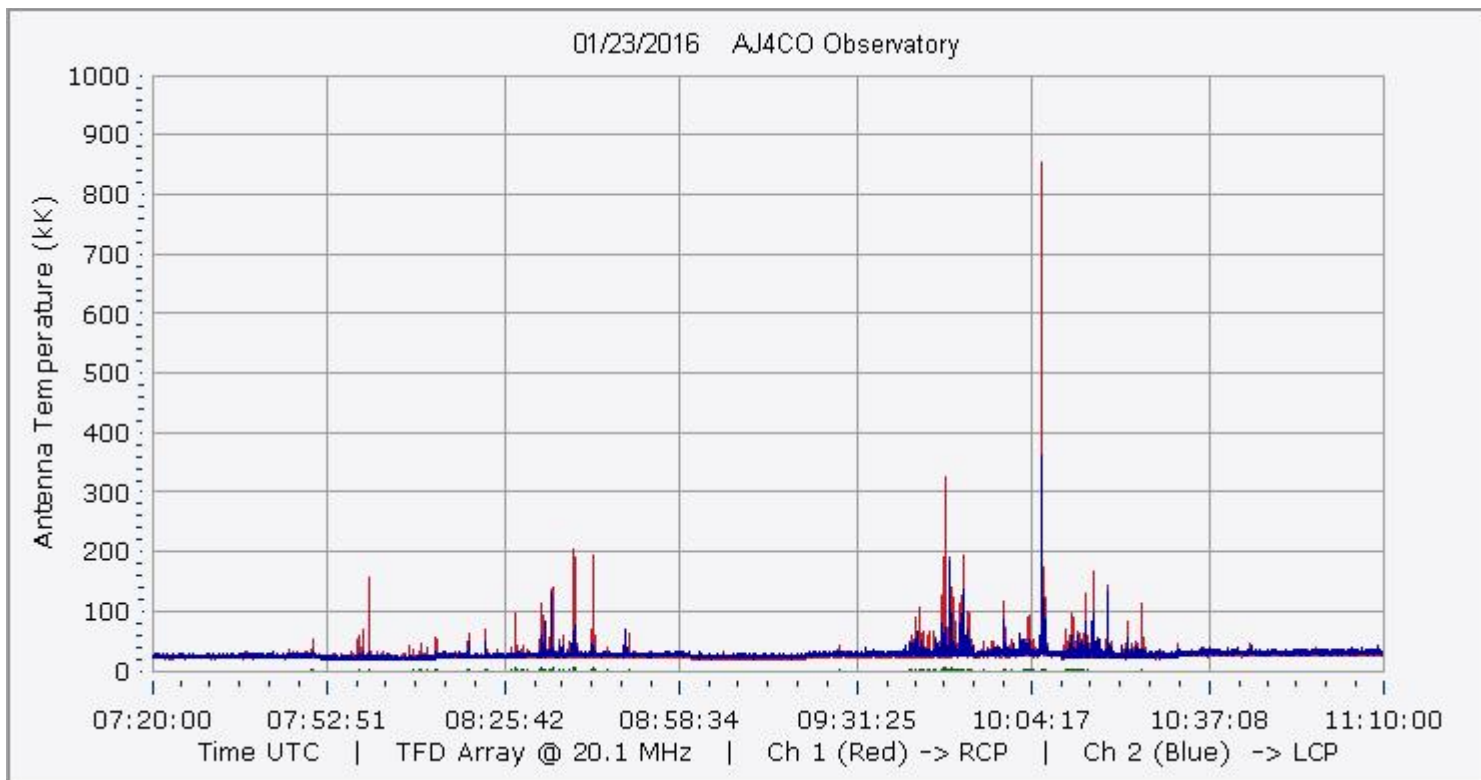


AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2060 Gain 5.0

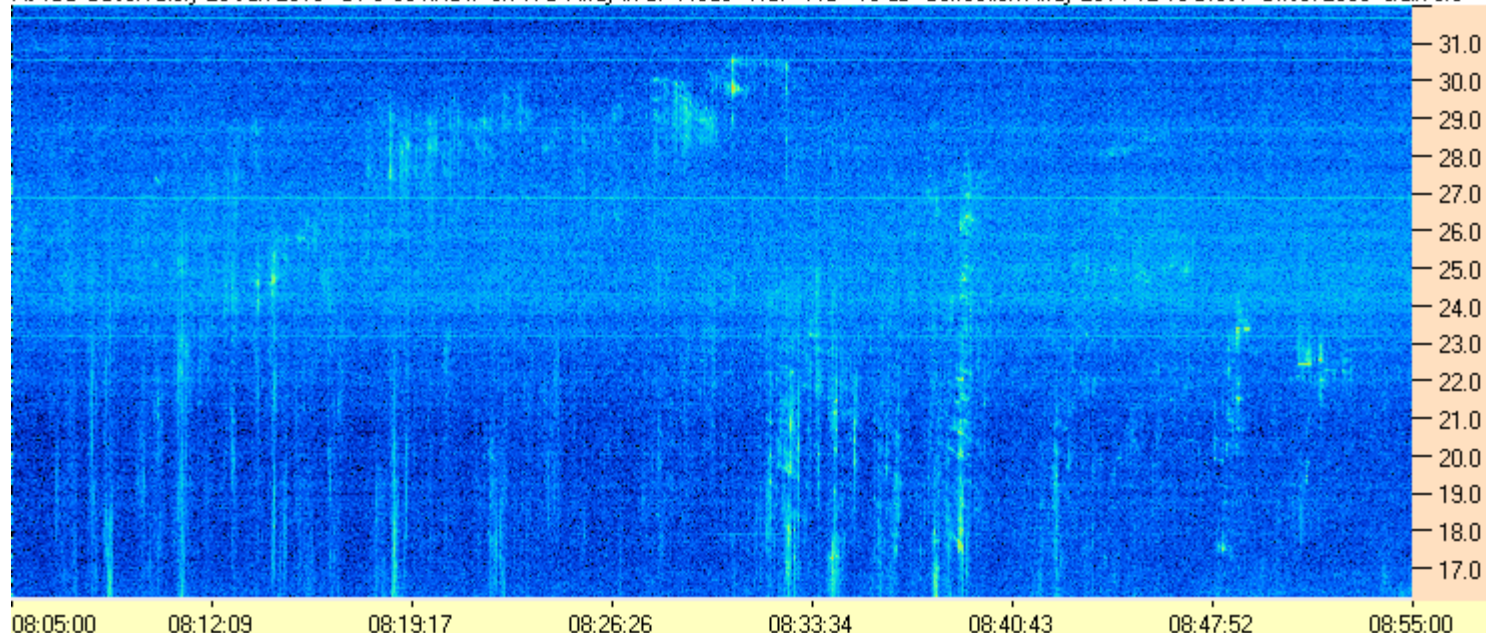


AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2060 Gain 5.0

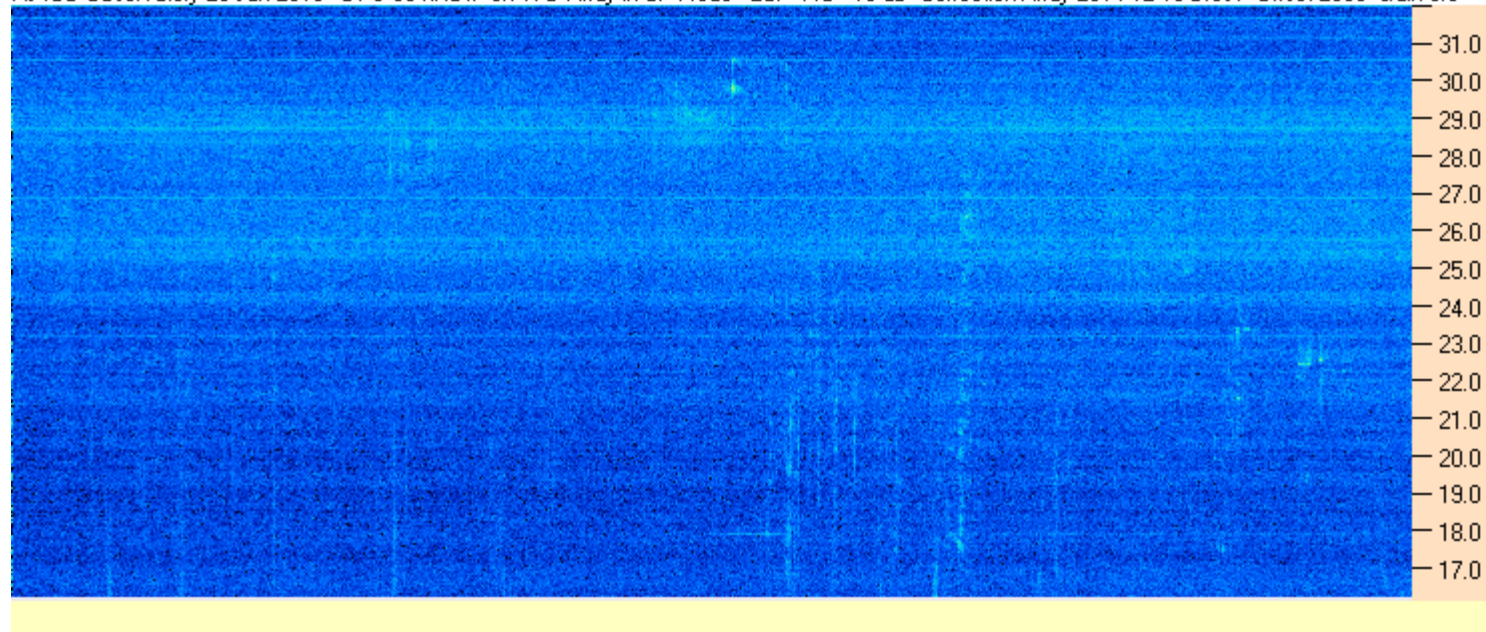


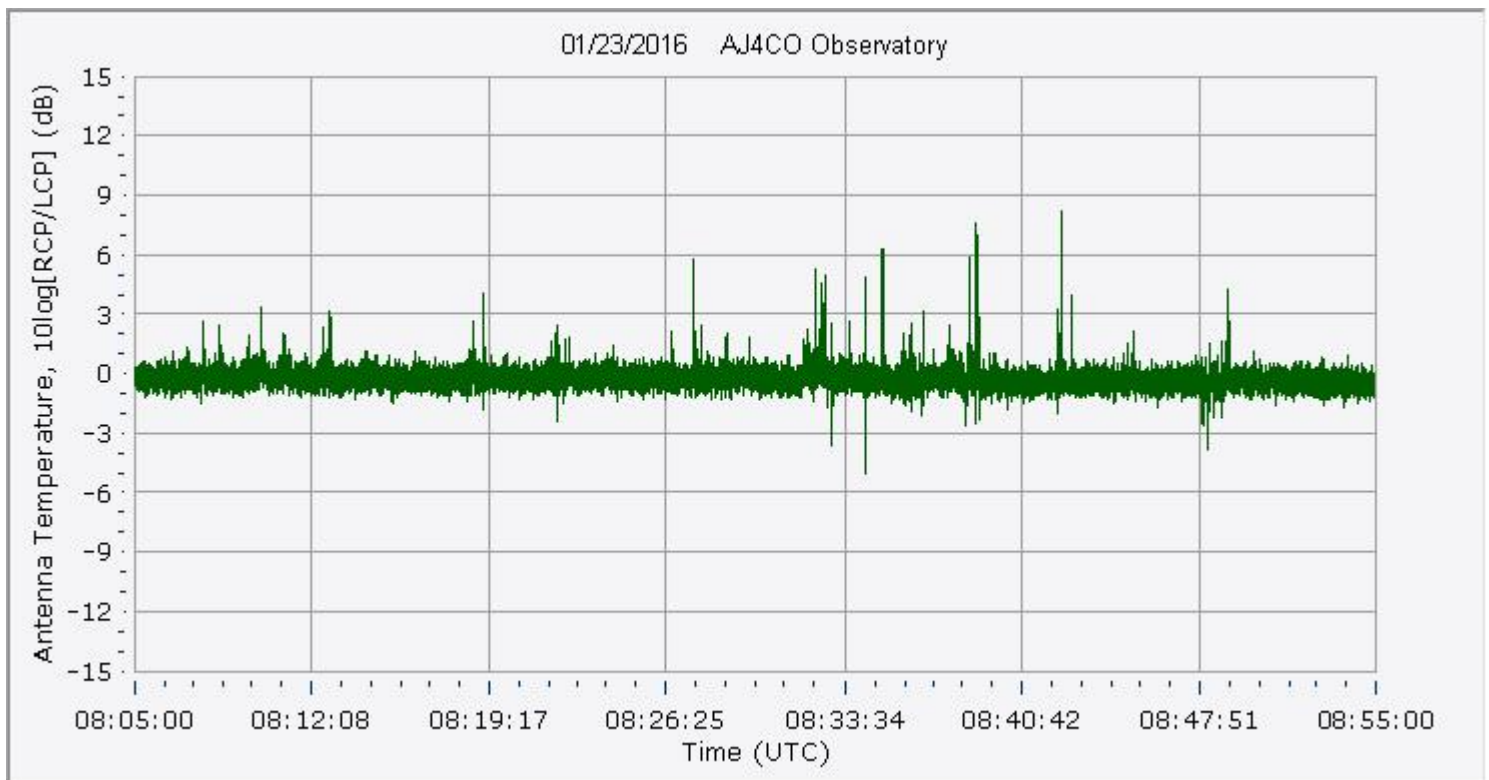
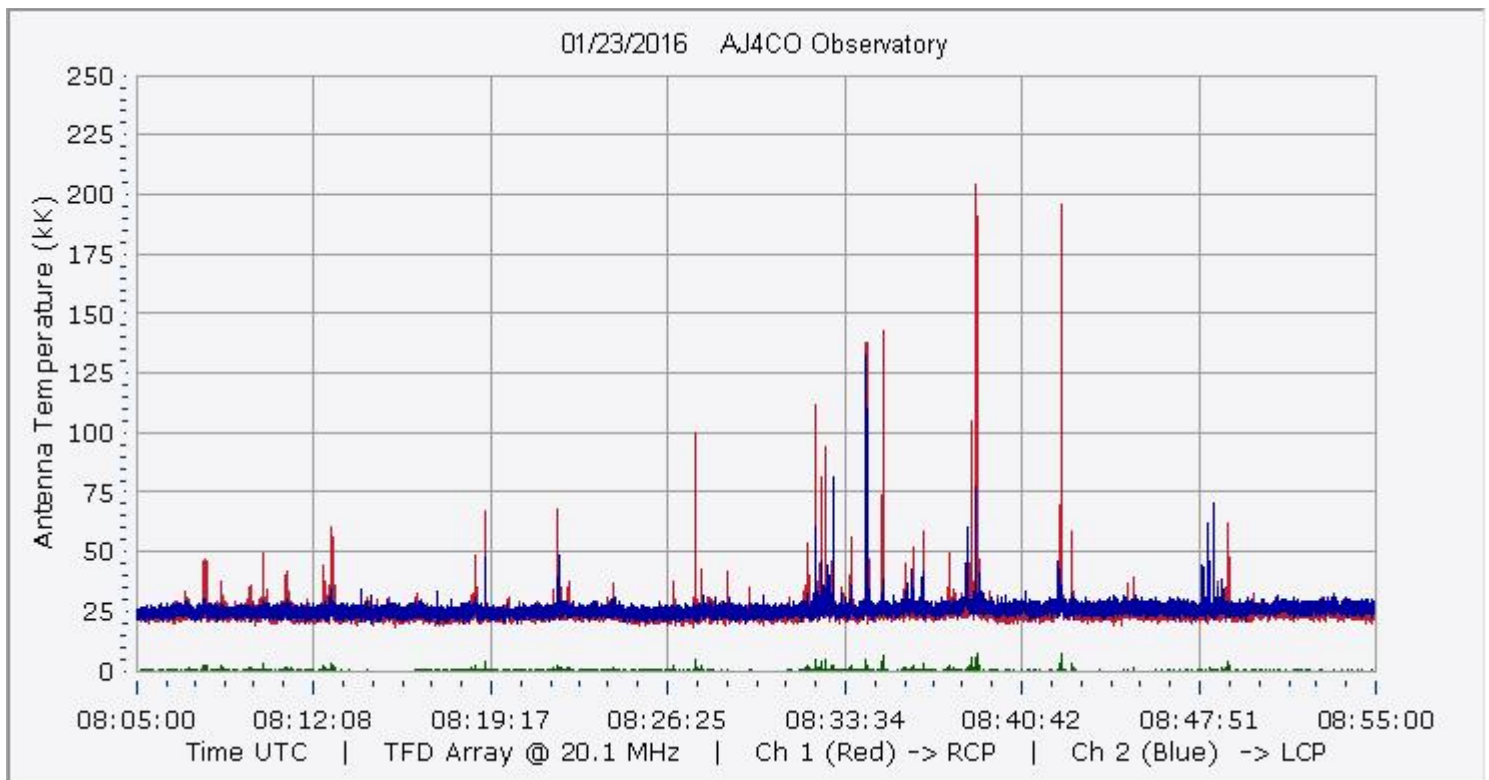


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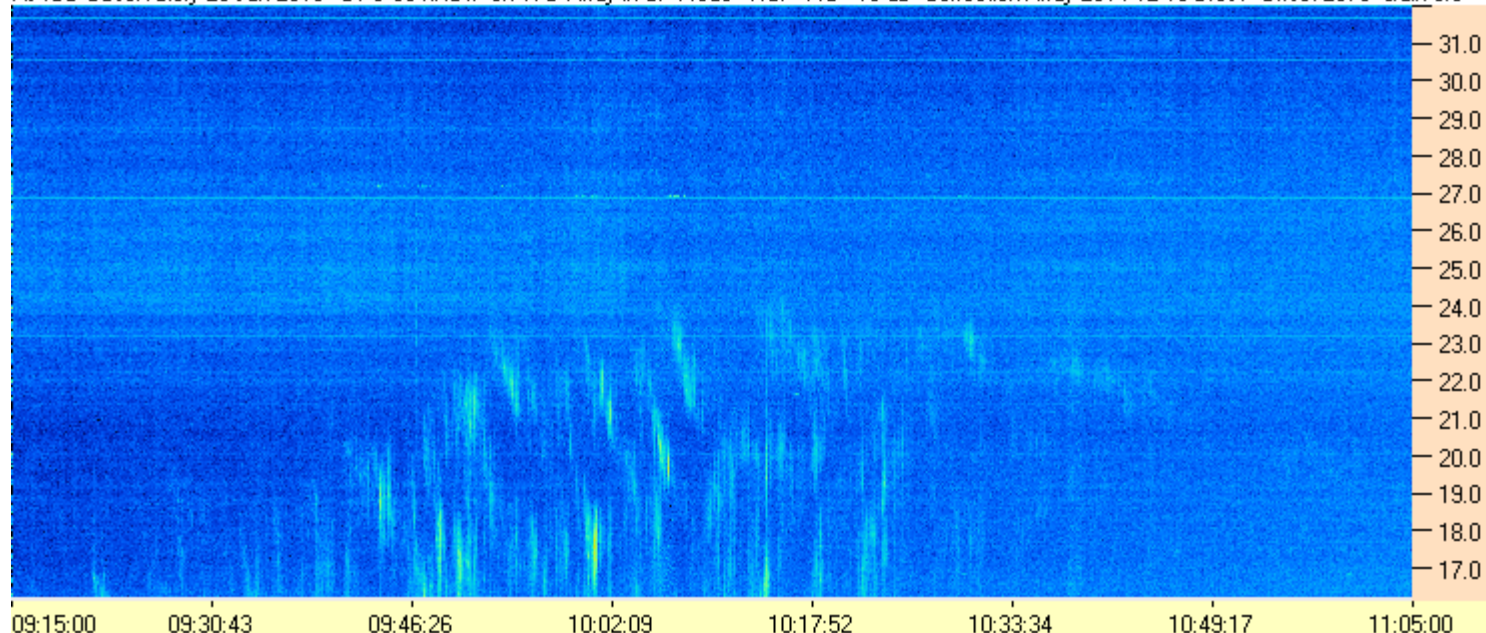


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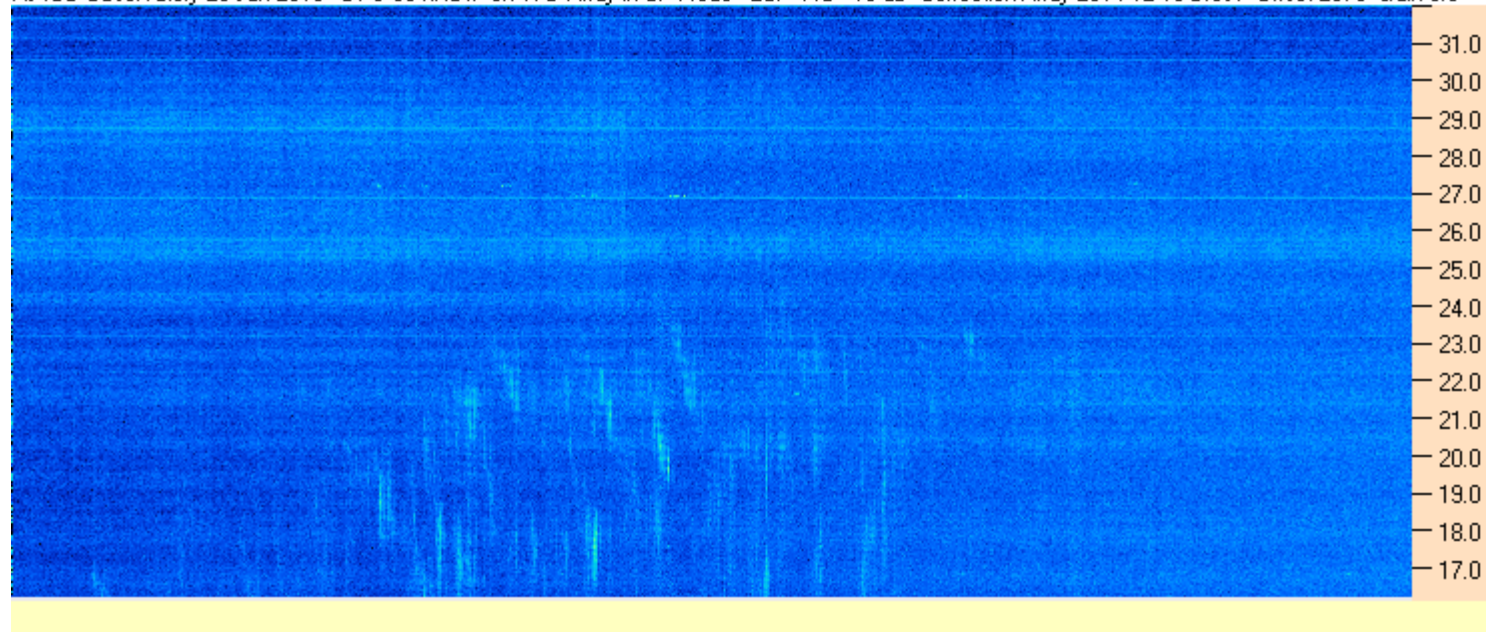


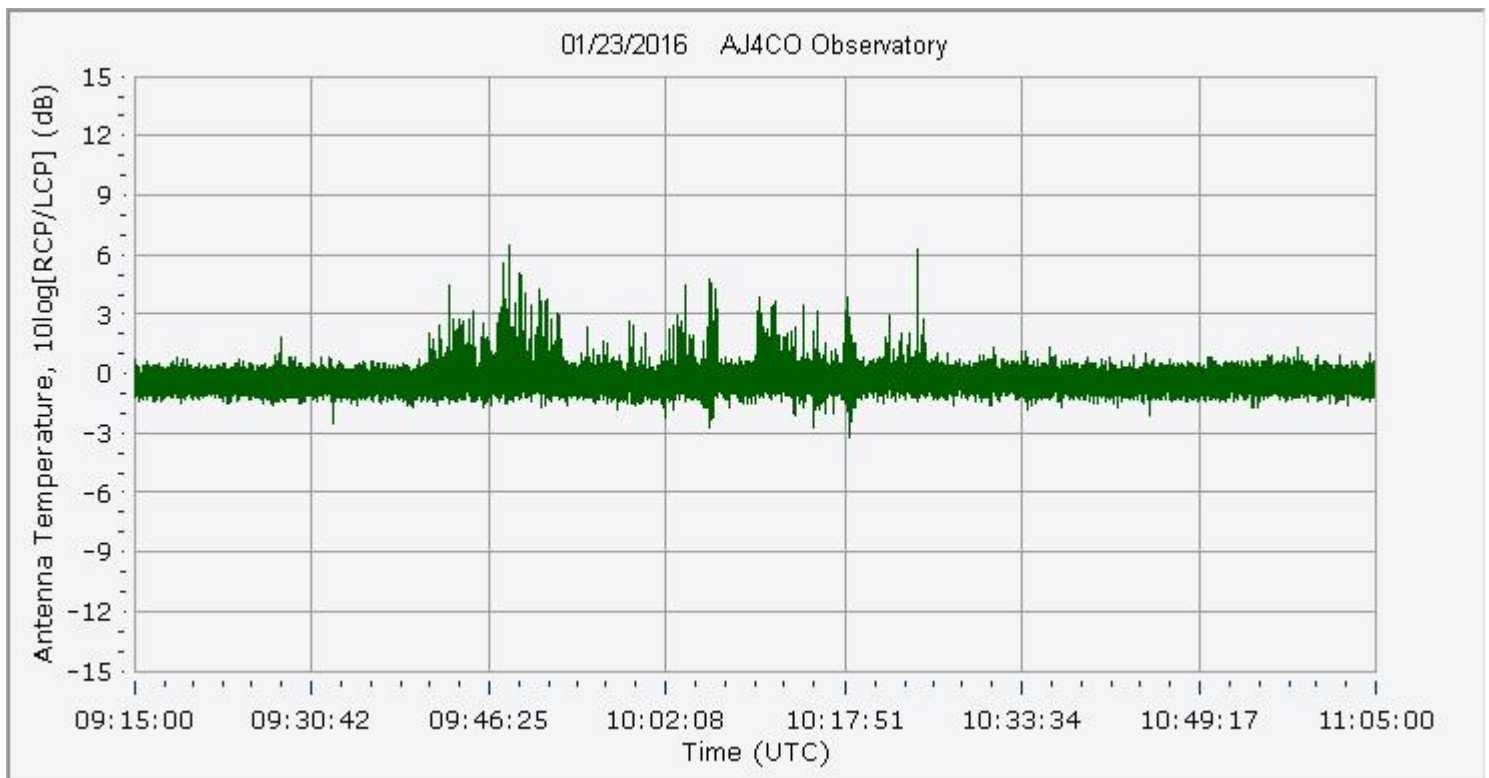
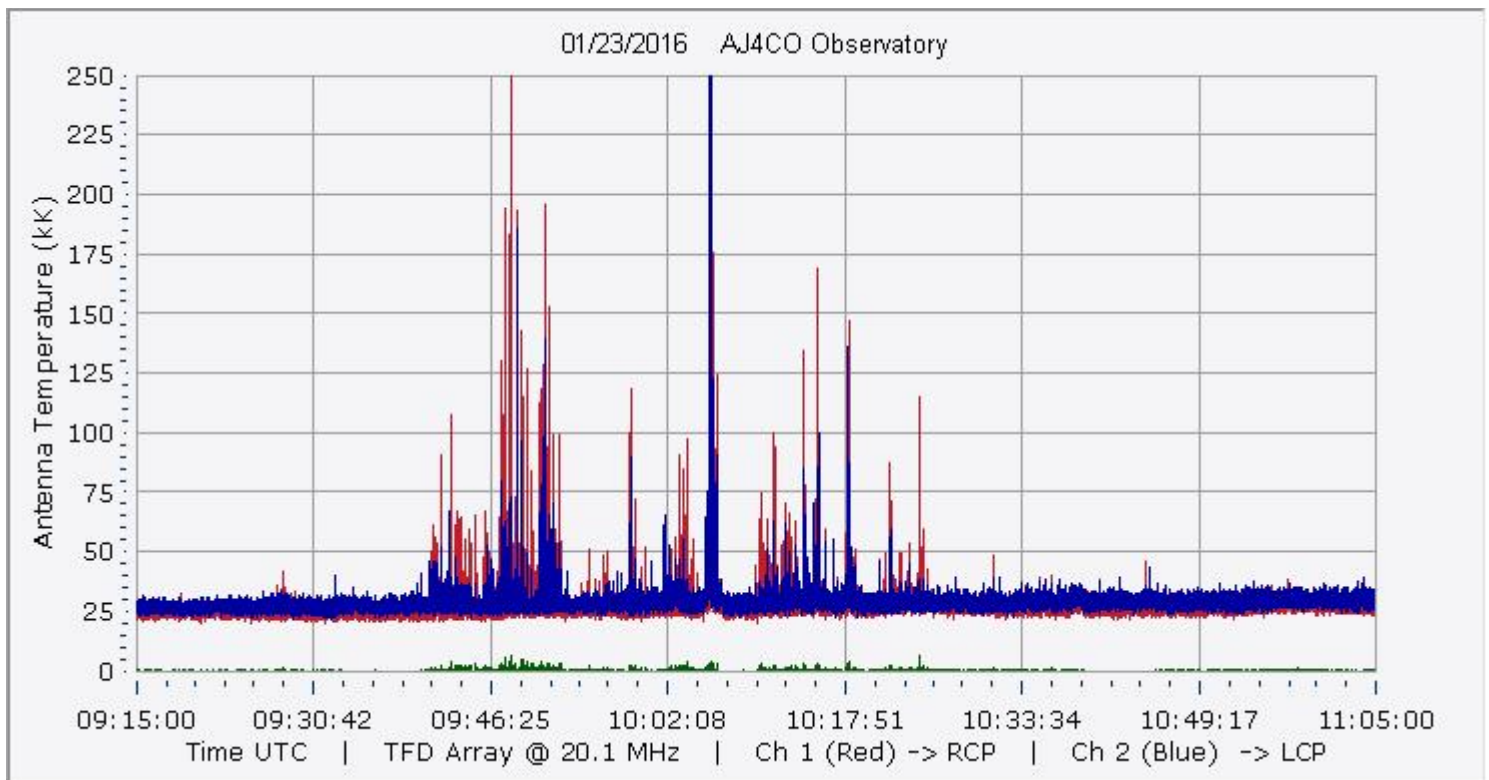


AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0

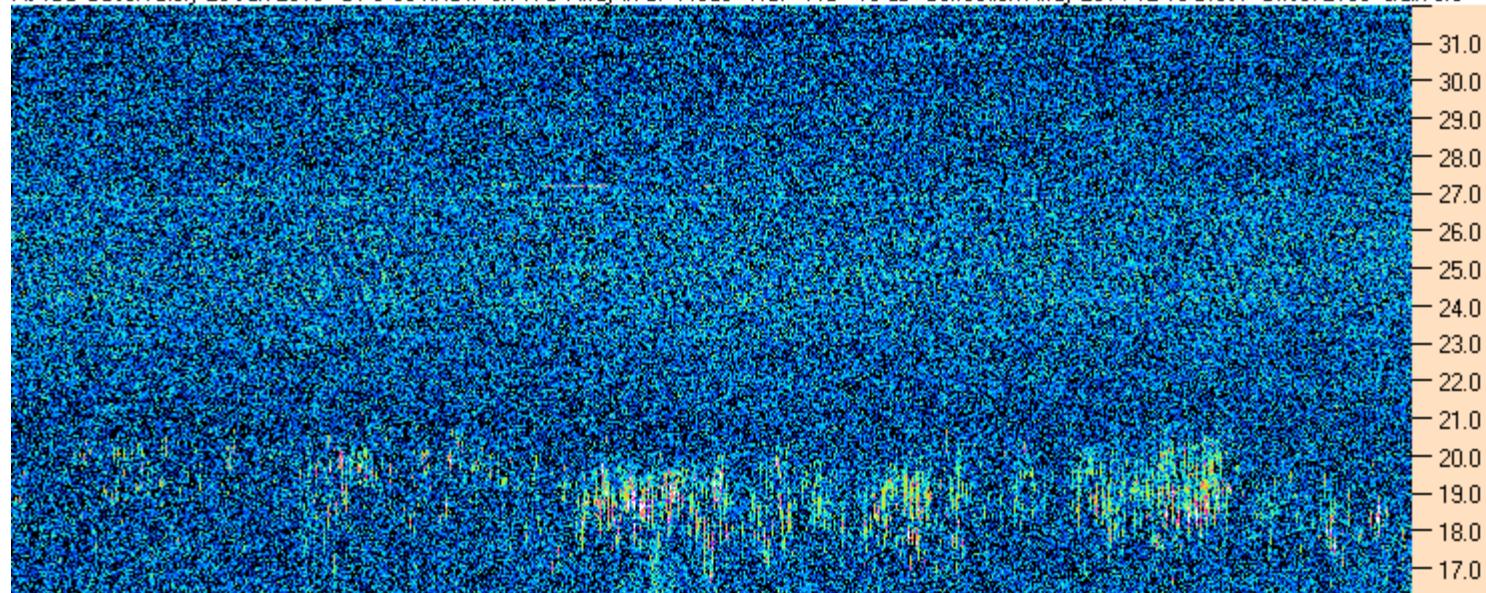


AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0



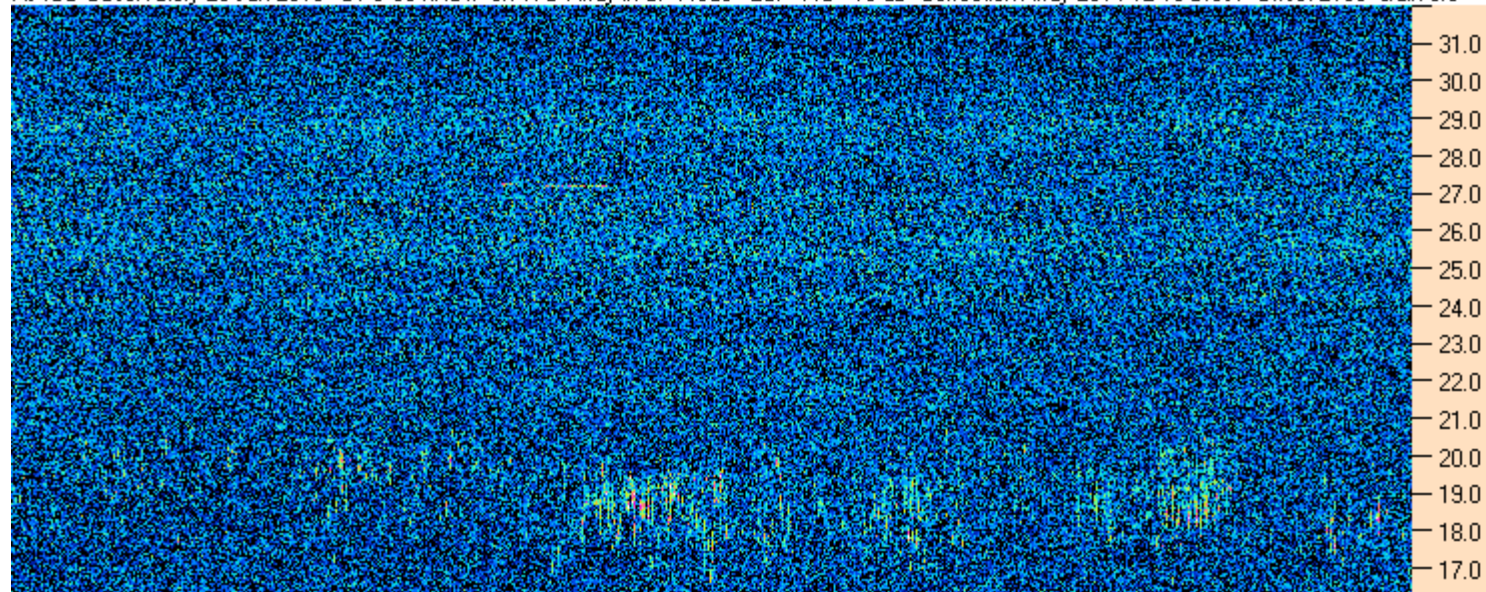


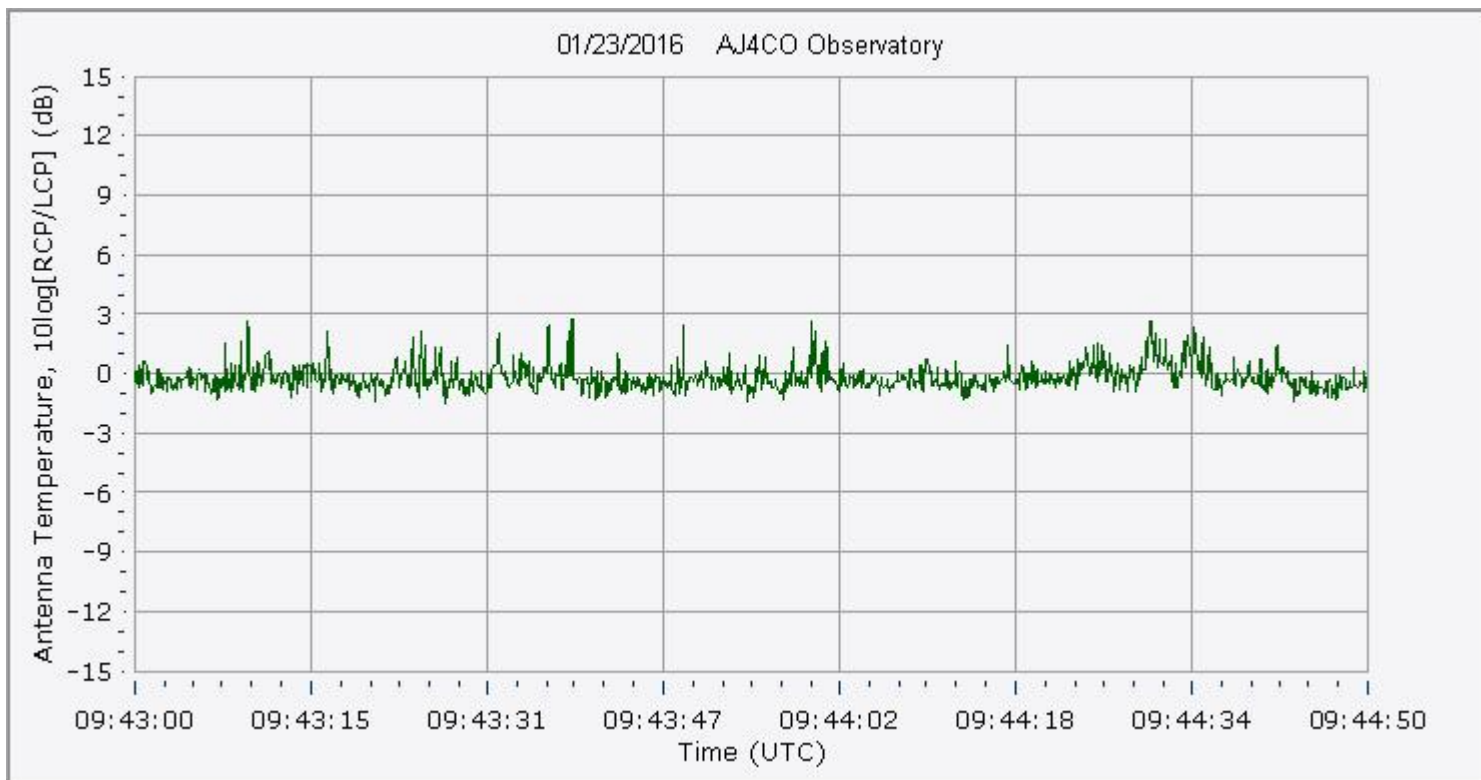
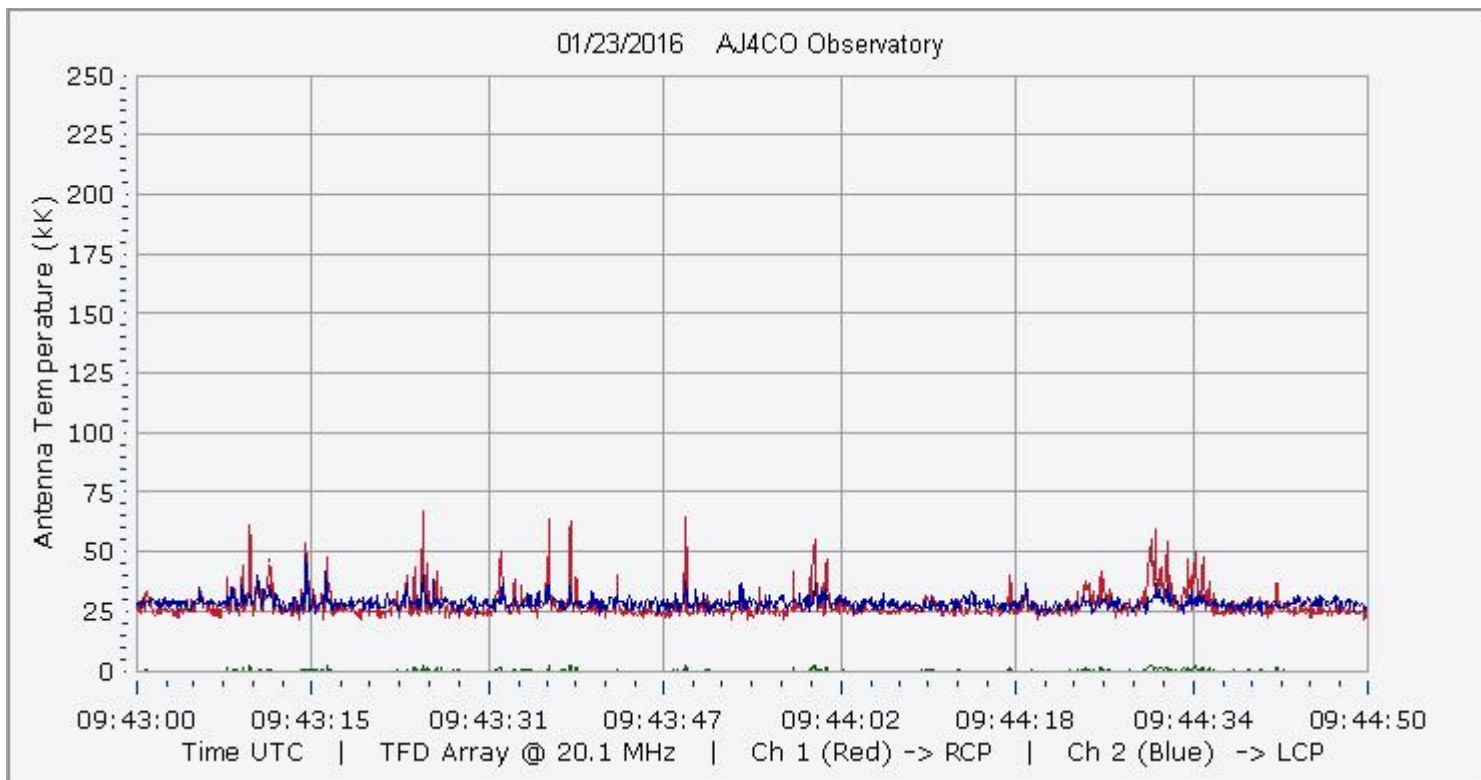
AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2100 Gain 5.0



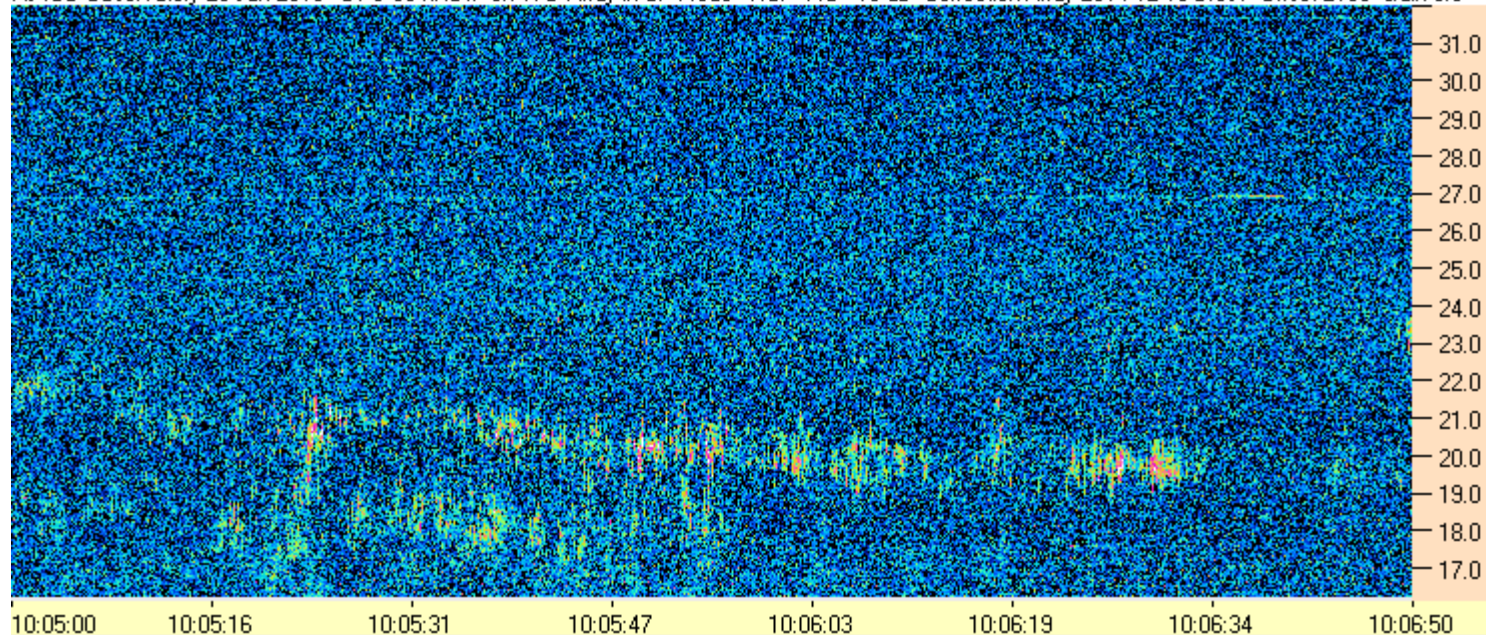
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AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2100 Gain 5.0





AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2100 Gain 5.0



AJ4CO Observatory 23 Jan 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2100 Gain 5.0

