

Subject: [radiojove-data] 20 Mar 2016 Io-D
From: Dave Typinski <davetyp@typnet.net>
Date: 03/22/2016 00:54
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Wes & Jim & John's nice reports, here's some Io-D from Monday morning.

LCP dominant L bursting 0222-0424 UTC from 16 to 21 MHz, positive then negative drift emission envelope.

This could be the top of an Io-D vertex-early arc, or the top of a non-Io-C vertex late arc. No way to tell from just the AJ4CO data. But...

We can, however, look at the Nancay data (see last spectrogram below). Nancay stopped taking data at 0300 UTC as Jupiter fell too low in their sky, but not before recording a very nice Io-B storm and a very nice vertex-early Io-D (LCP) arc starting at around 0000 UTC.

Therefore, the arc shown in the AJ4CO data is almost surely a continuation of the Io-D arc observed earlier by Nancay.

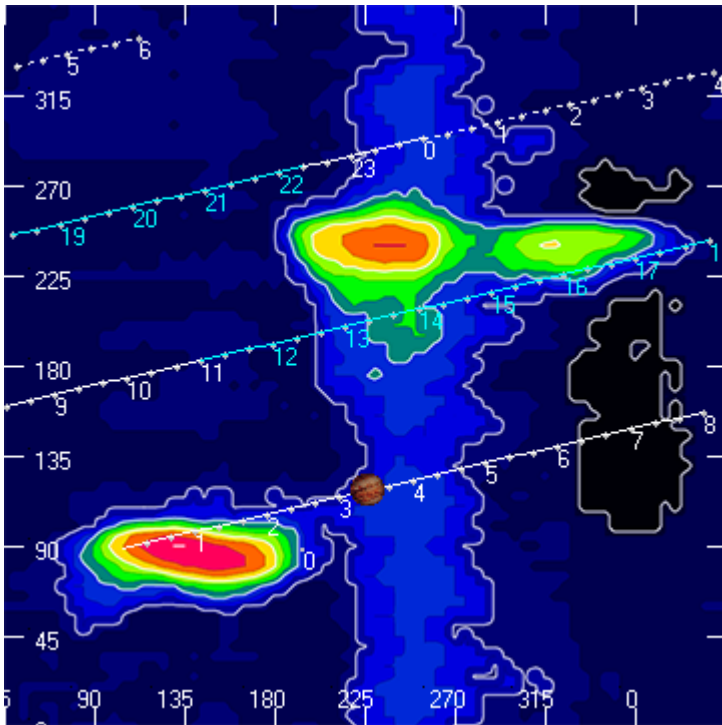
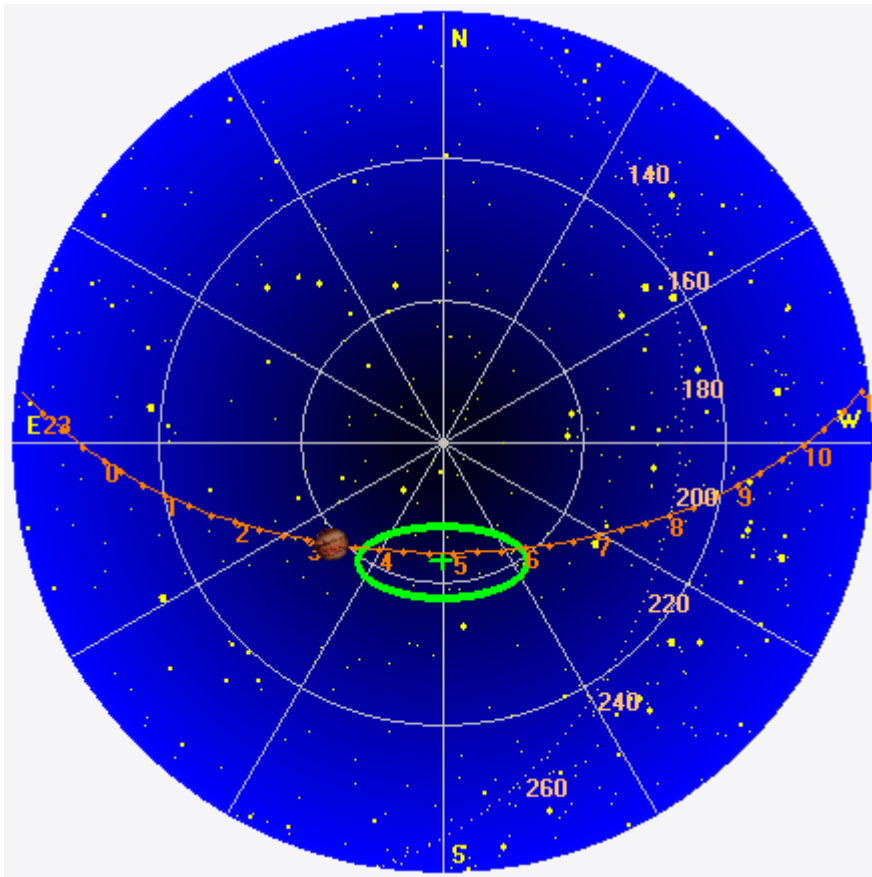
Jupiter was -37° to -7° off axis.

Jupiter was trailing the Sun by 167° .

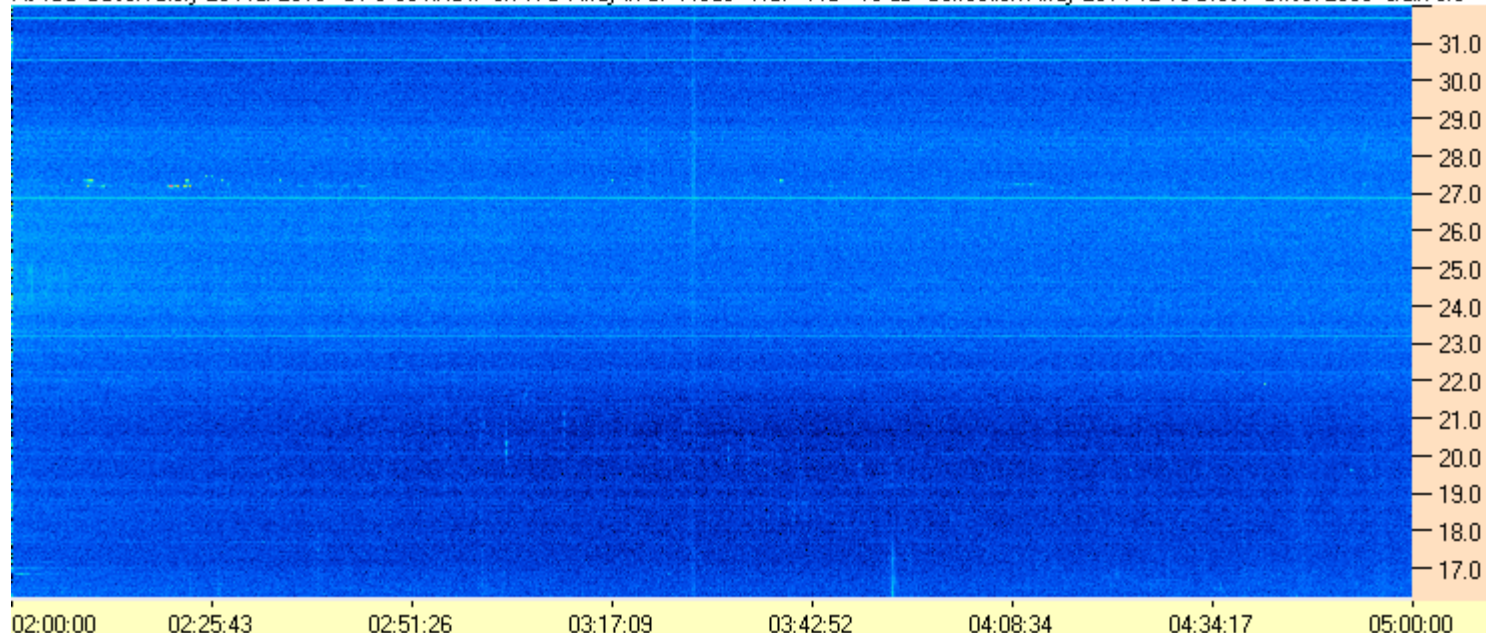
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Dave

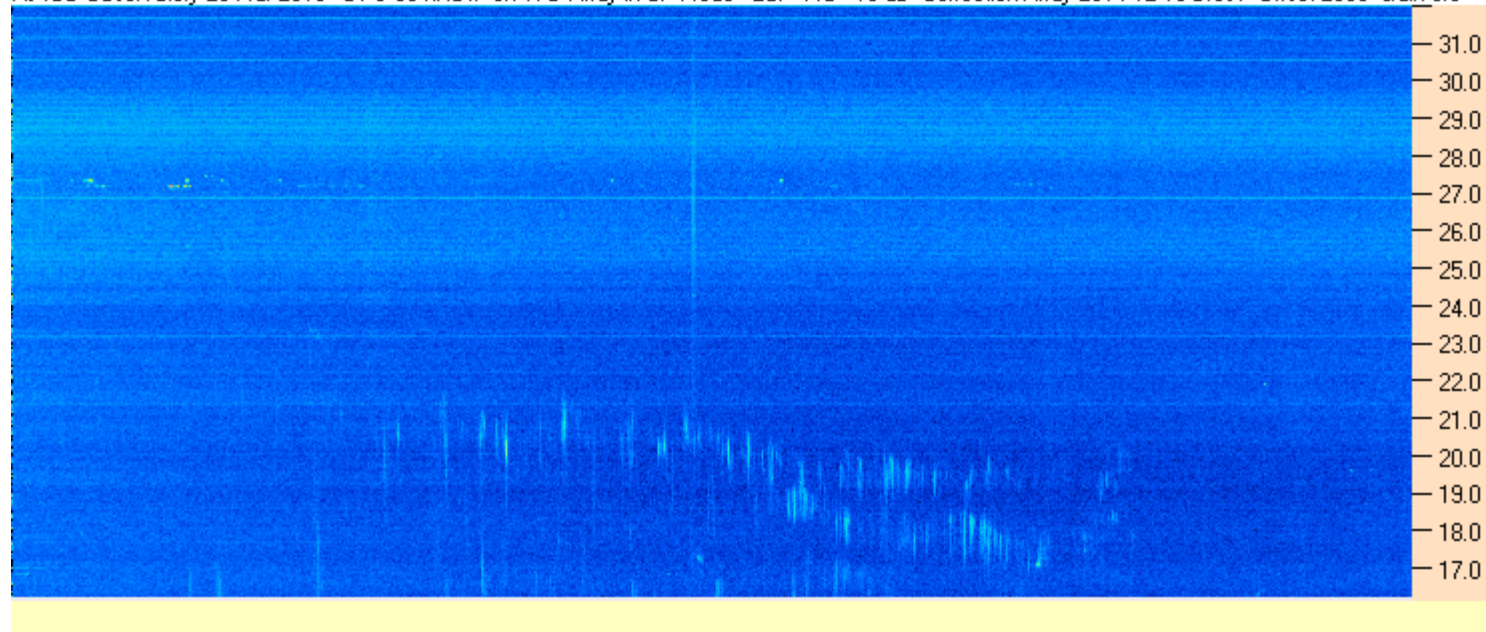
AJ4CO Observatory 20 Mar 2016, log entry 659

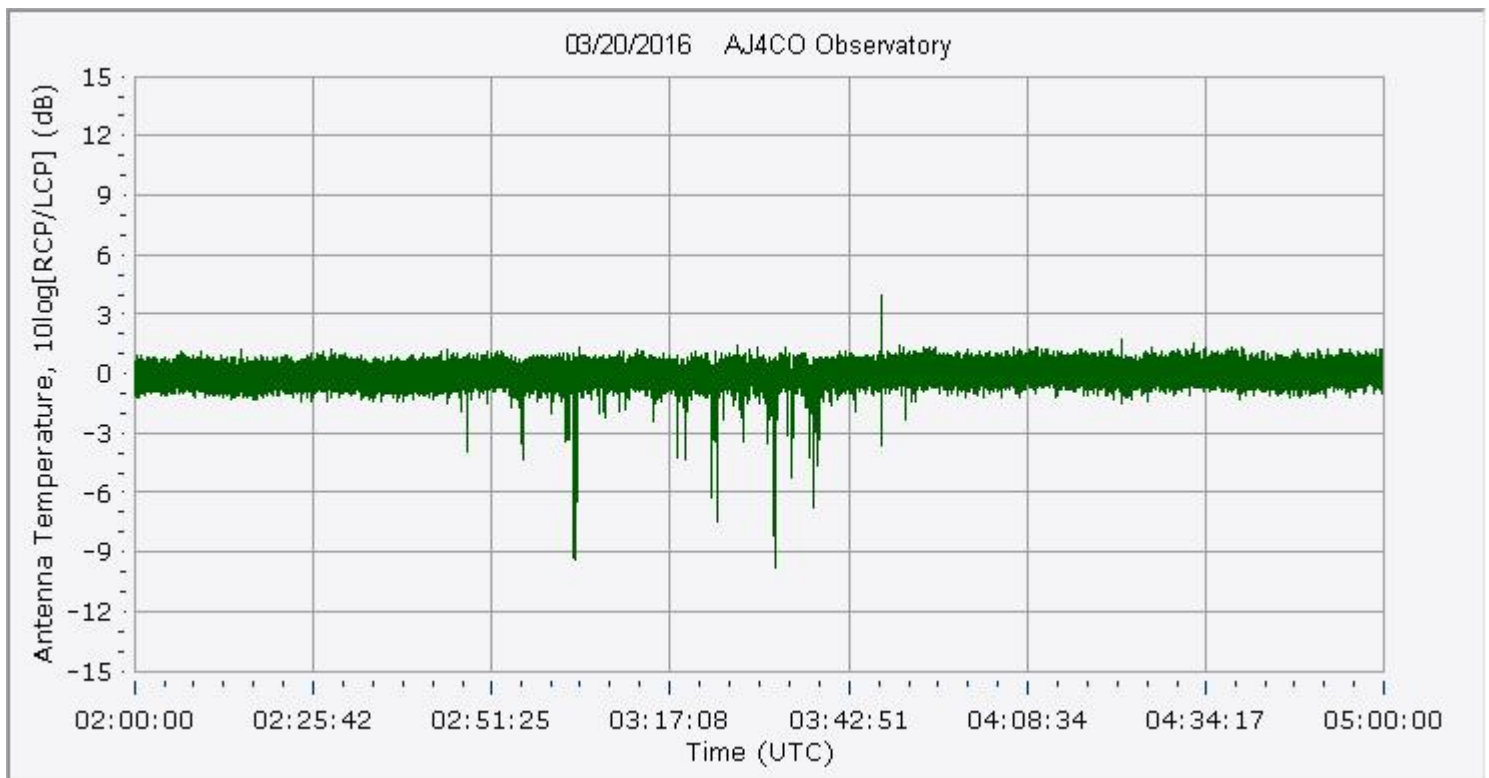
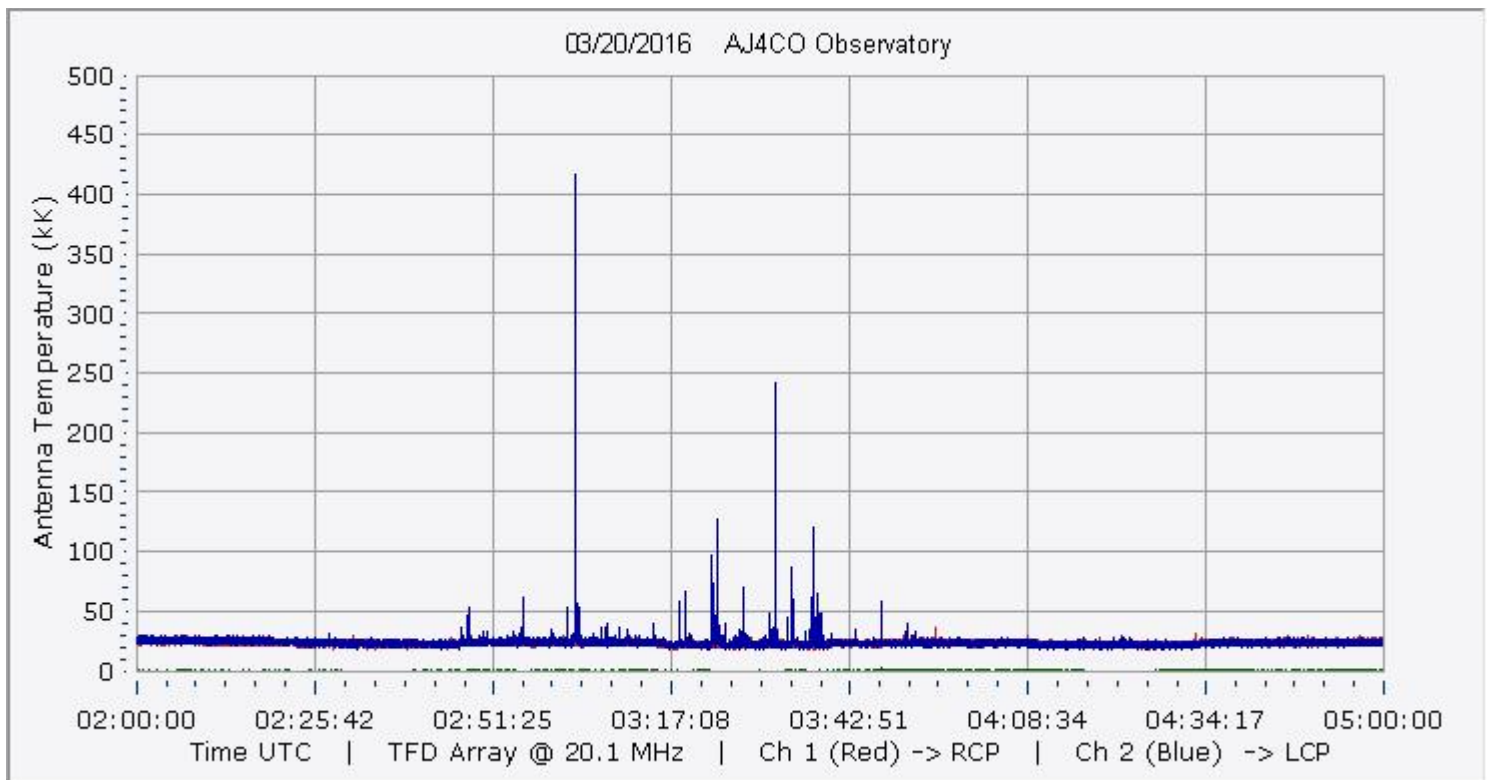


AJ4CO Observatory 20 Mar 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0

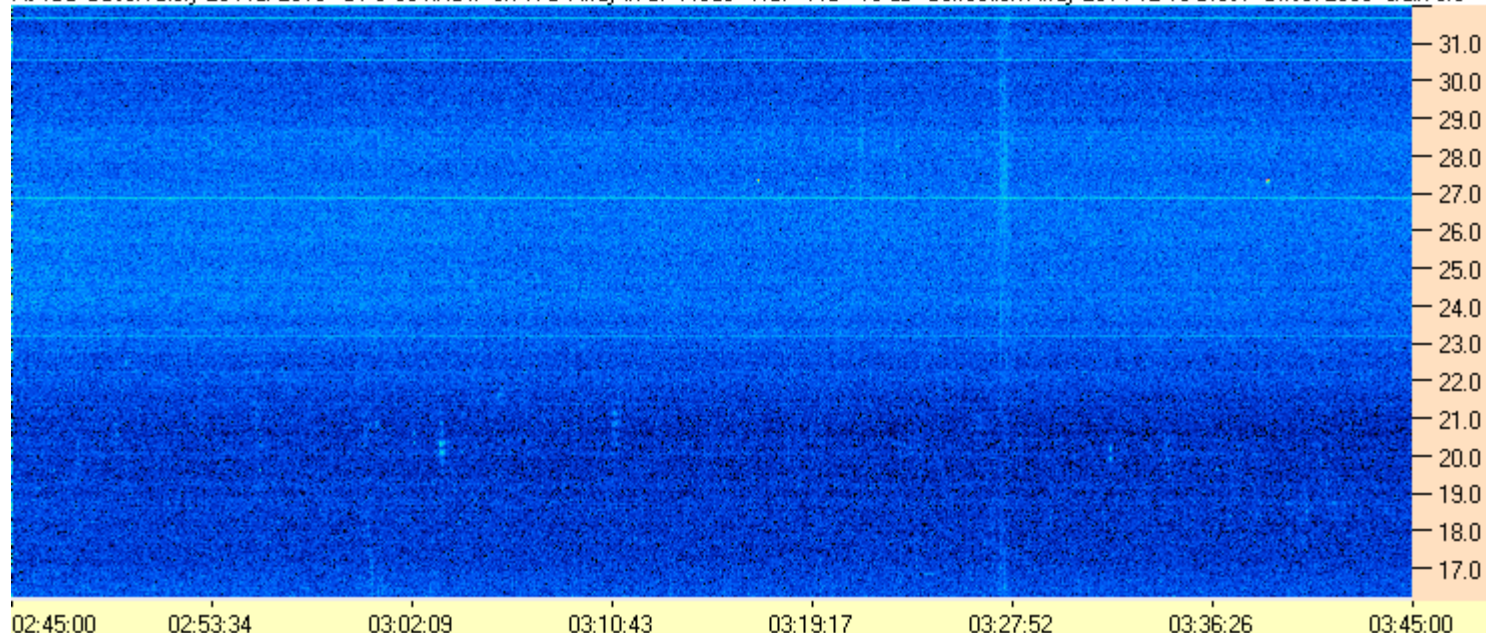


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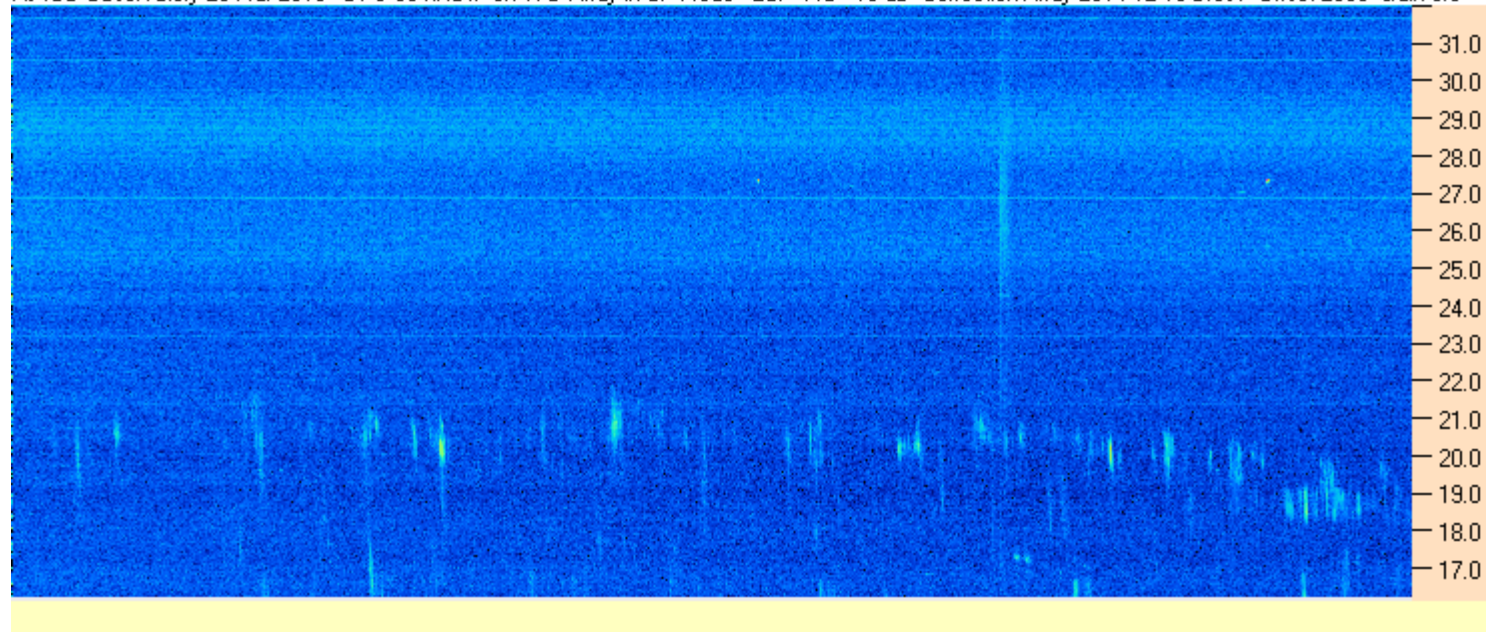


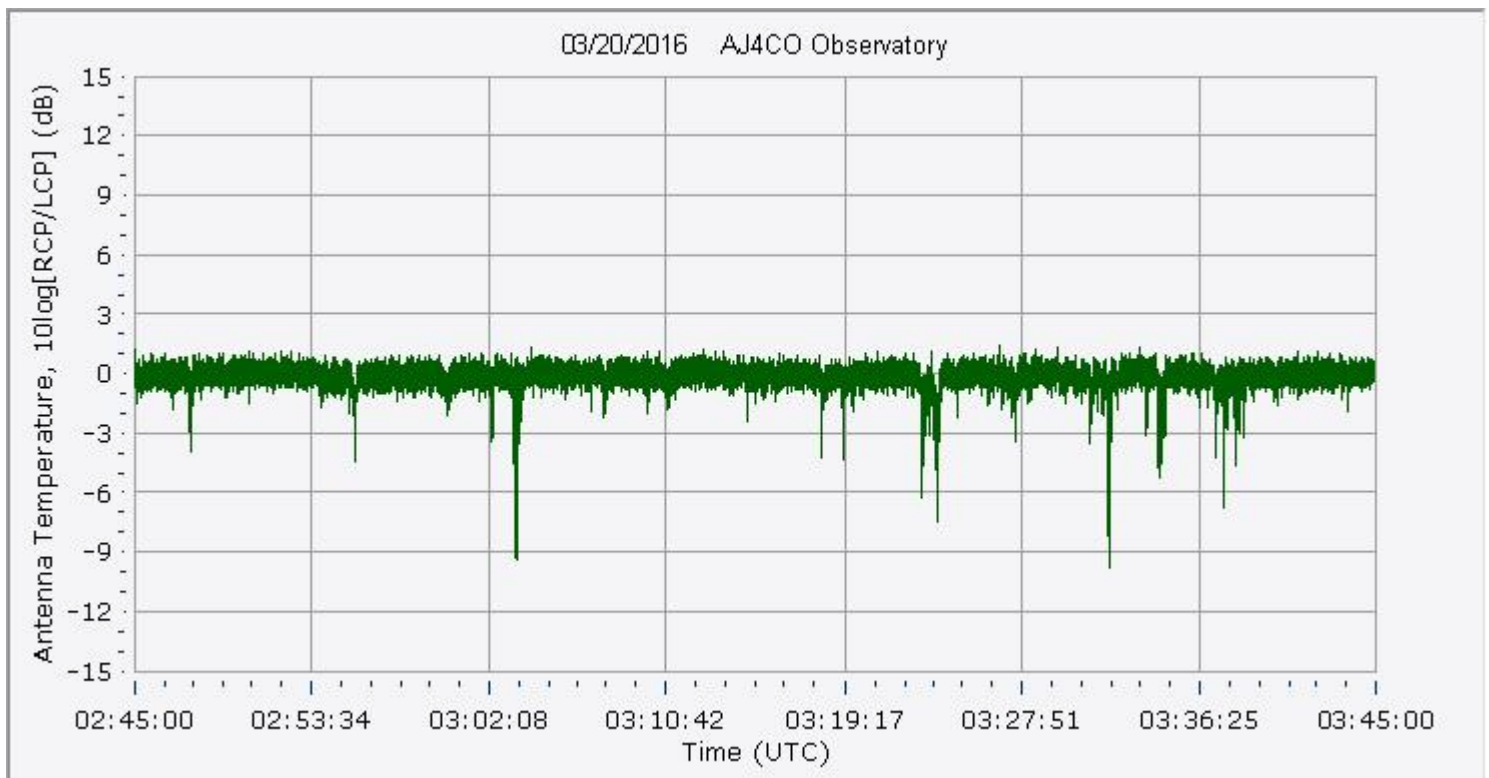
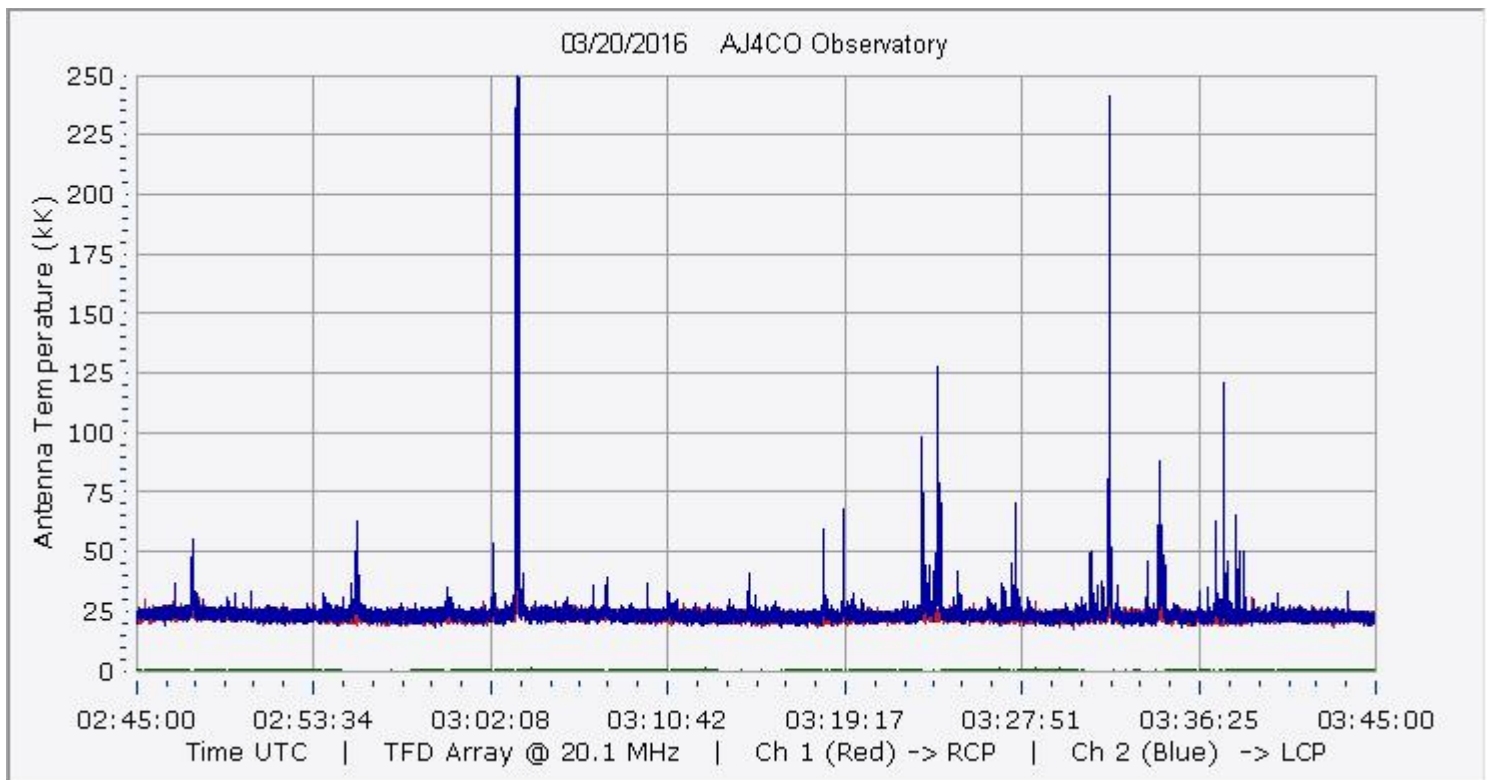


AJ4CO Observatory 20 Mar 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0

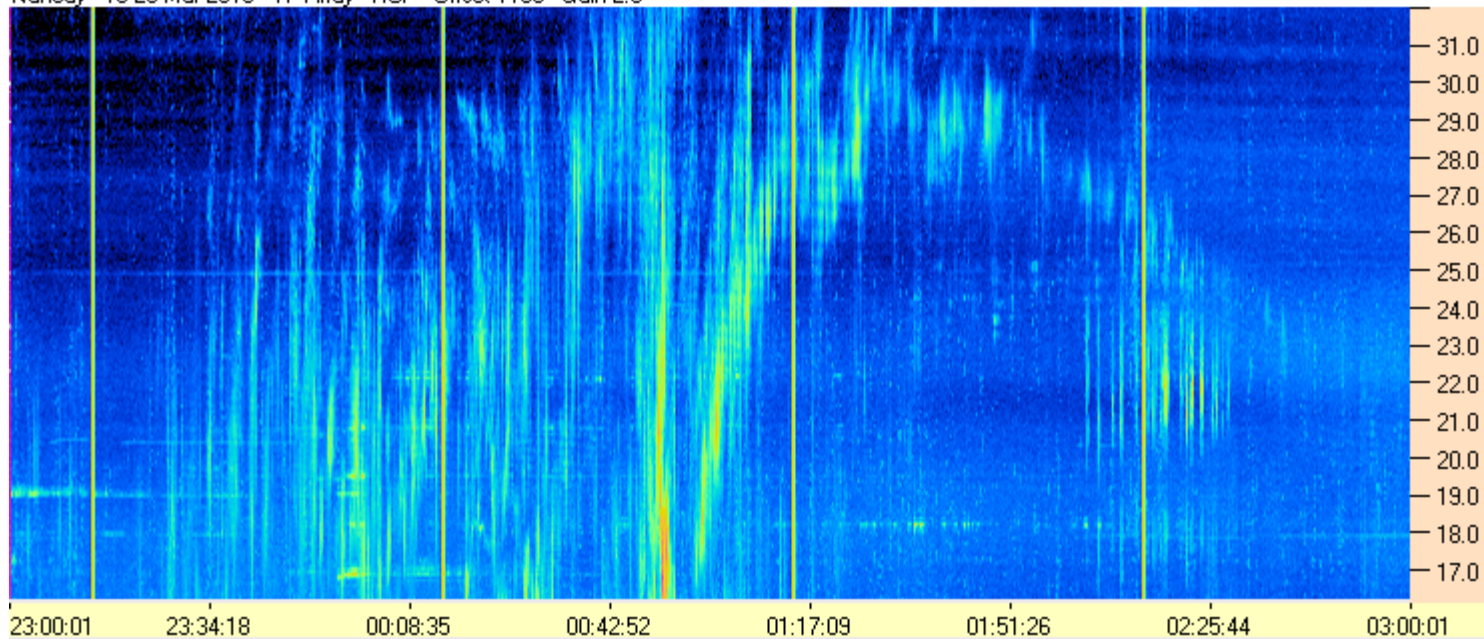


AJ4CO Observatory 20 Mar 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0





Nancay - 19-20 Mar 2016 - TP Array - RCP Offset 1150 Gain 2.5



Nancay - 19-20 Mar 2016 - TP Array - LCP Offset 1150 Gain 2.5

