

Subject: [radiojove-data] 07 Jan 2013 Solar Type II + SID

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Date: 01/08/2014 22:47

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

Here's my contribution to yesterday's solar festival.

NOAA SWPC # 8760, a Type II/2 (slow drift, significant intensity) radio burst plus a long SID attendant to a class X1.2 (very intense) X-ray burst.

No observed difference between RCP and LCP; randomly polarized emission.

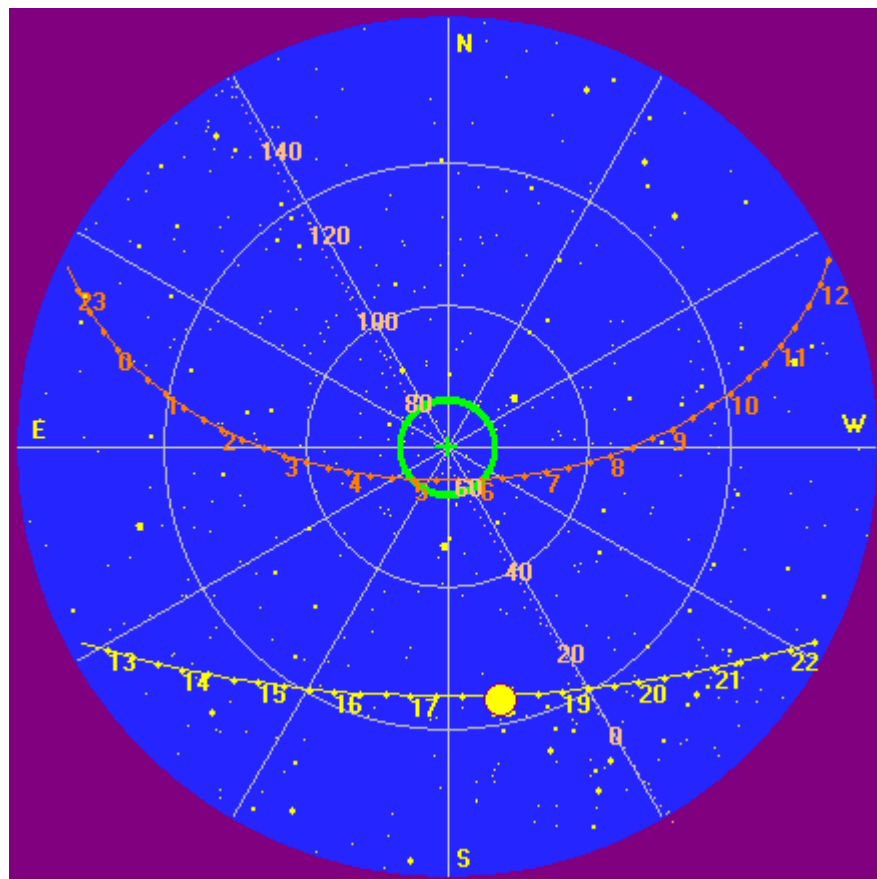
The Sun was off axis 55° to the south.

The observed "pinch" in the emission centered on 28.5 MHz is the second off-axis null for a point source at that frequency for an element baseline of 64 feet. In other words, this effect probably isn't in the emission, but an artifact of the source being way off axis on the TFD array.

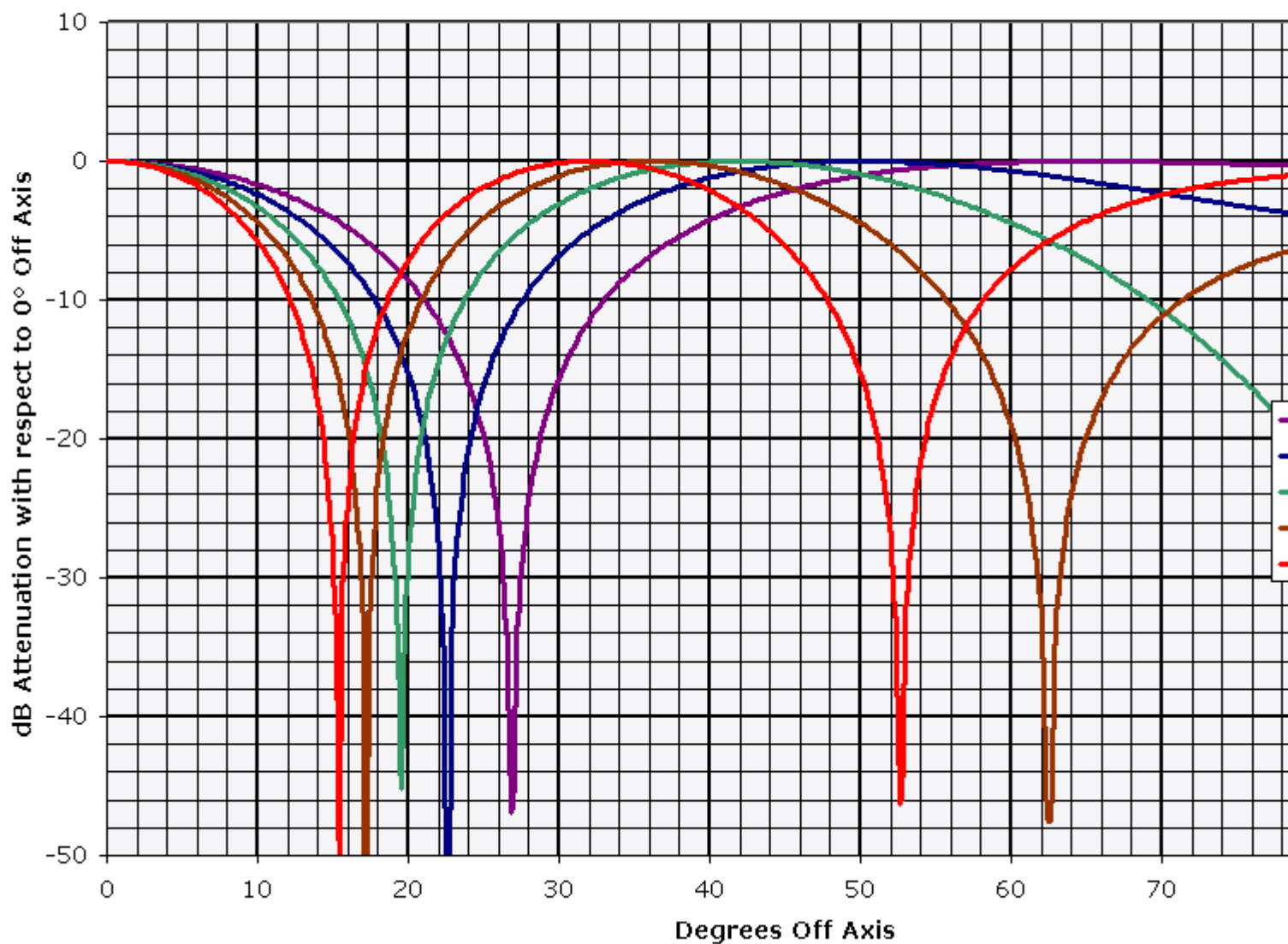
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Dave

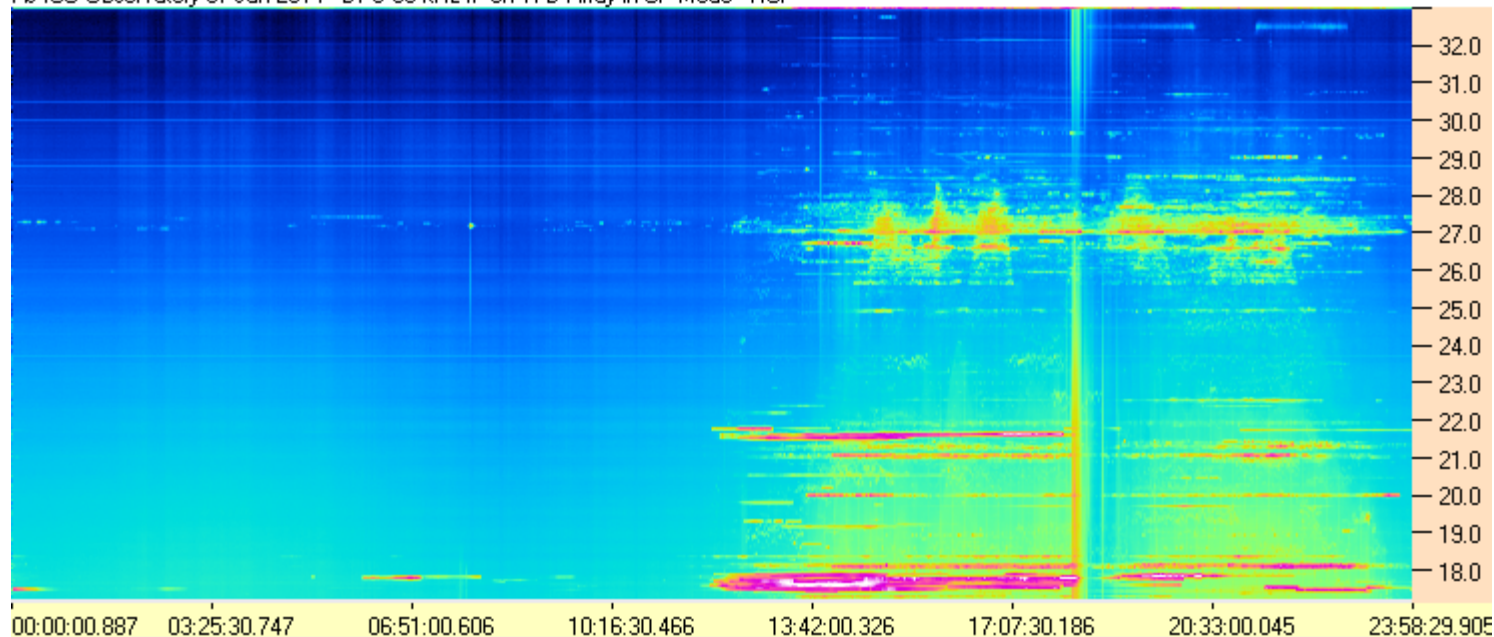
AJ4CO Observatory, 07 Jan 2014



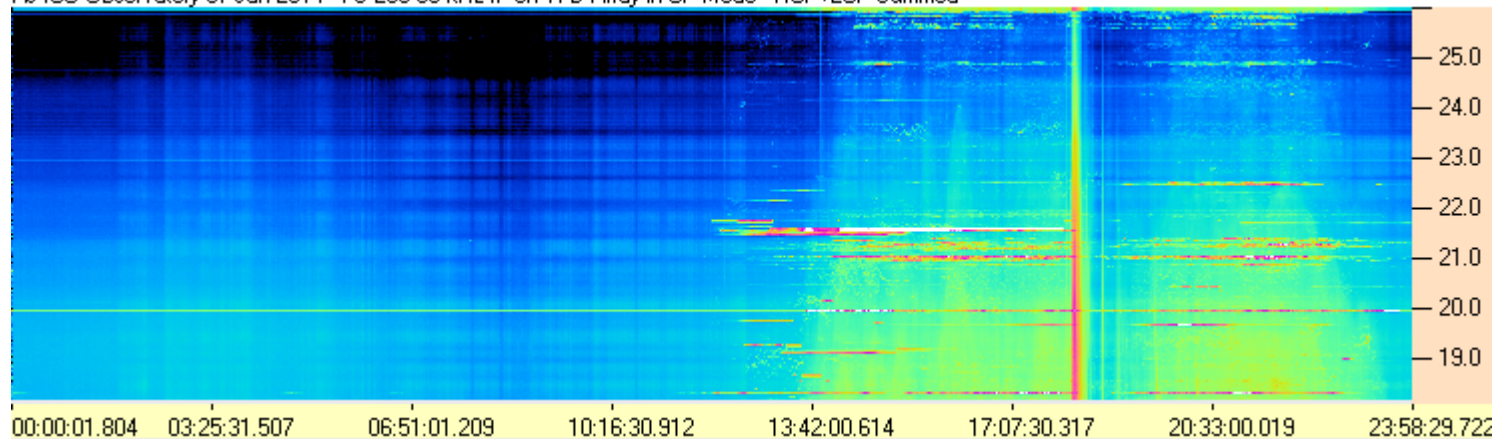
Off Axis Attenuation, 2 Elements Separated by 64 Feet



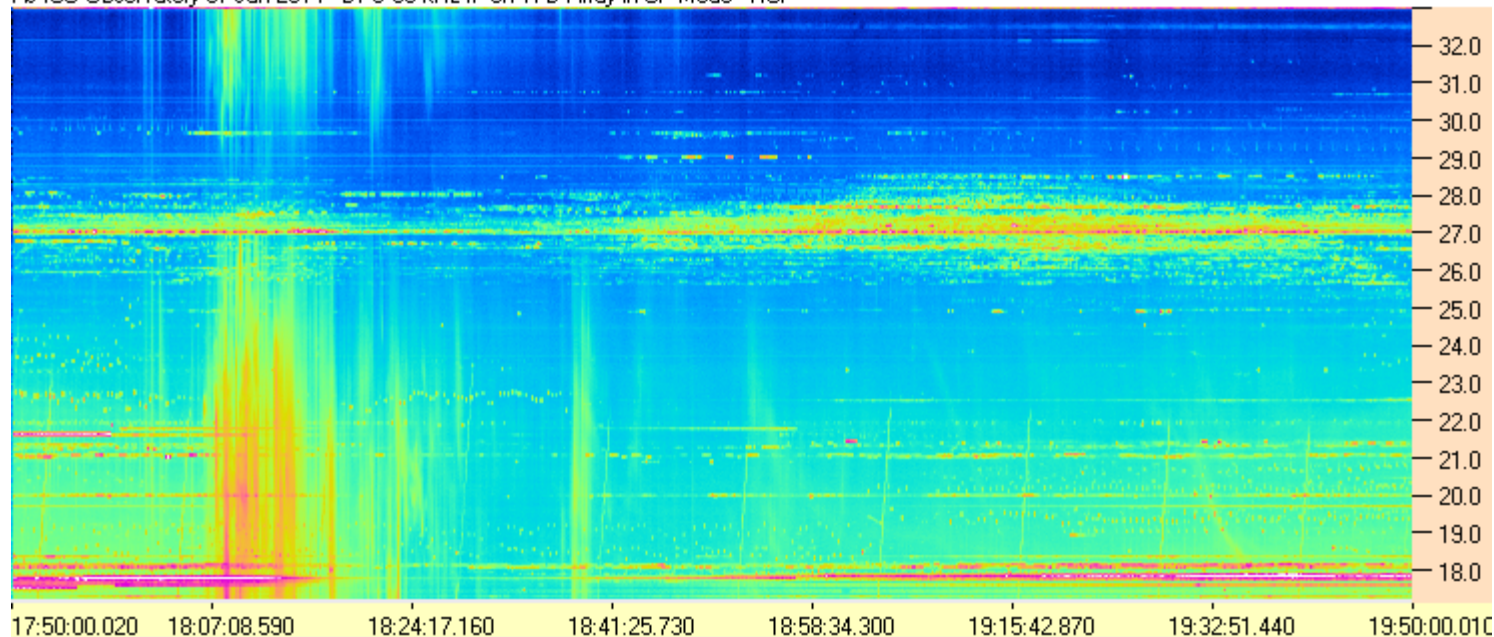
AJ4CO Observatory 07 Jan 2014 - DPS 60 kHz IF on TFD Array in CP Mode - RCP



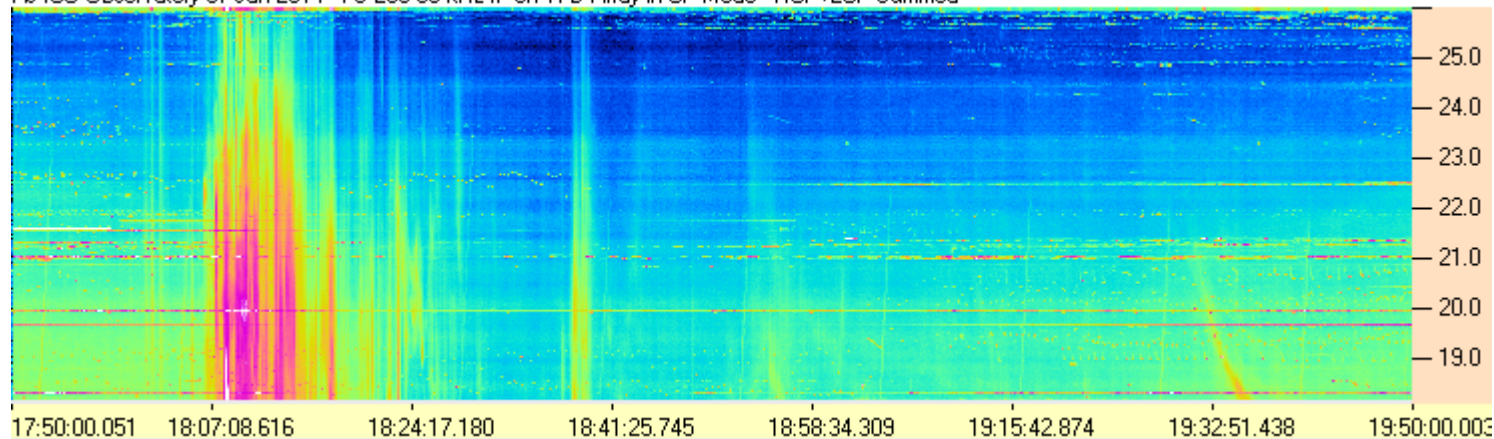
AJ4CO Observatory 07 Jan 2014 - FS-200 30 kHz IF on TFD Array in CP Mode - RCP+LCP Summed

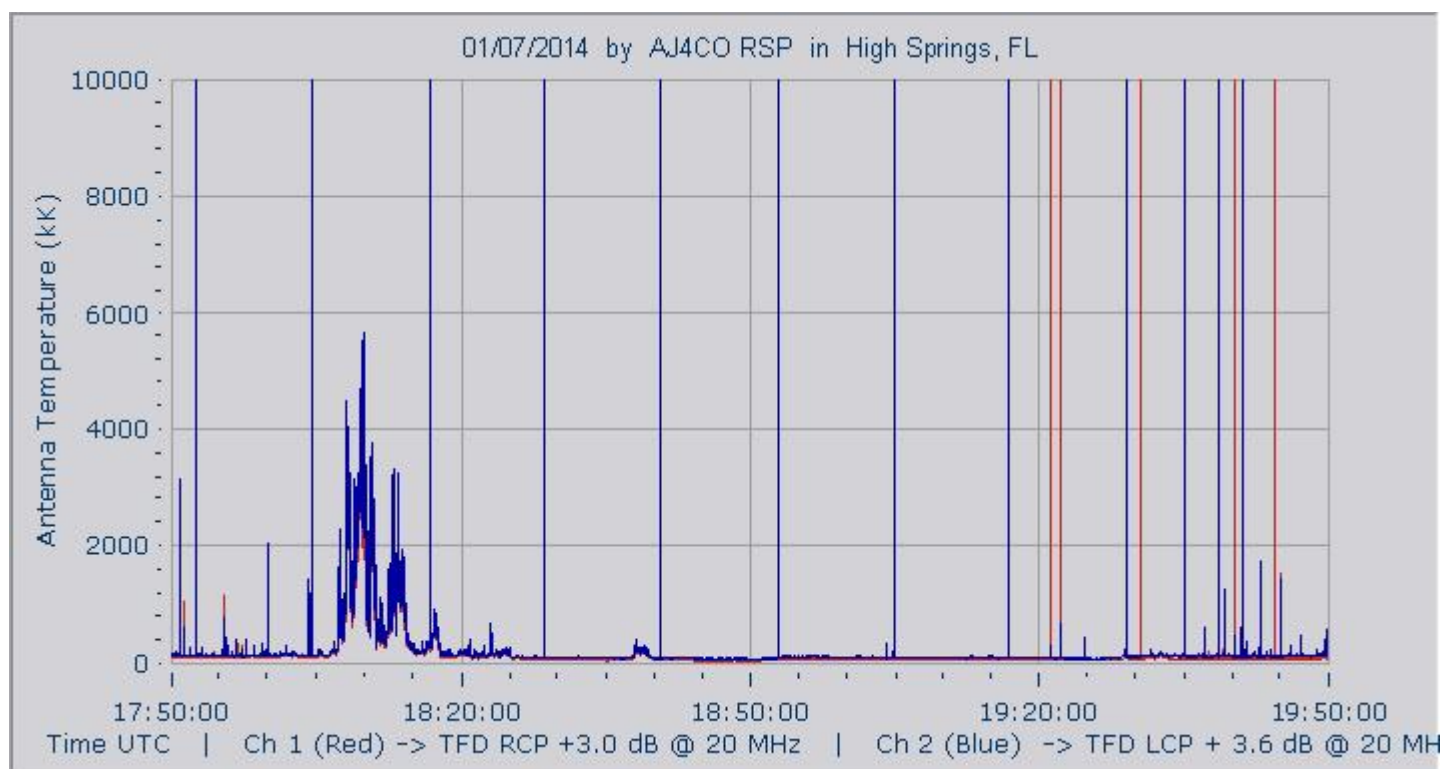


AJ4CO Observatory 07 Jan 2014 - DPS 60 kHz IF on TFD Array in CP Mode - RCP

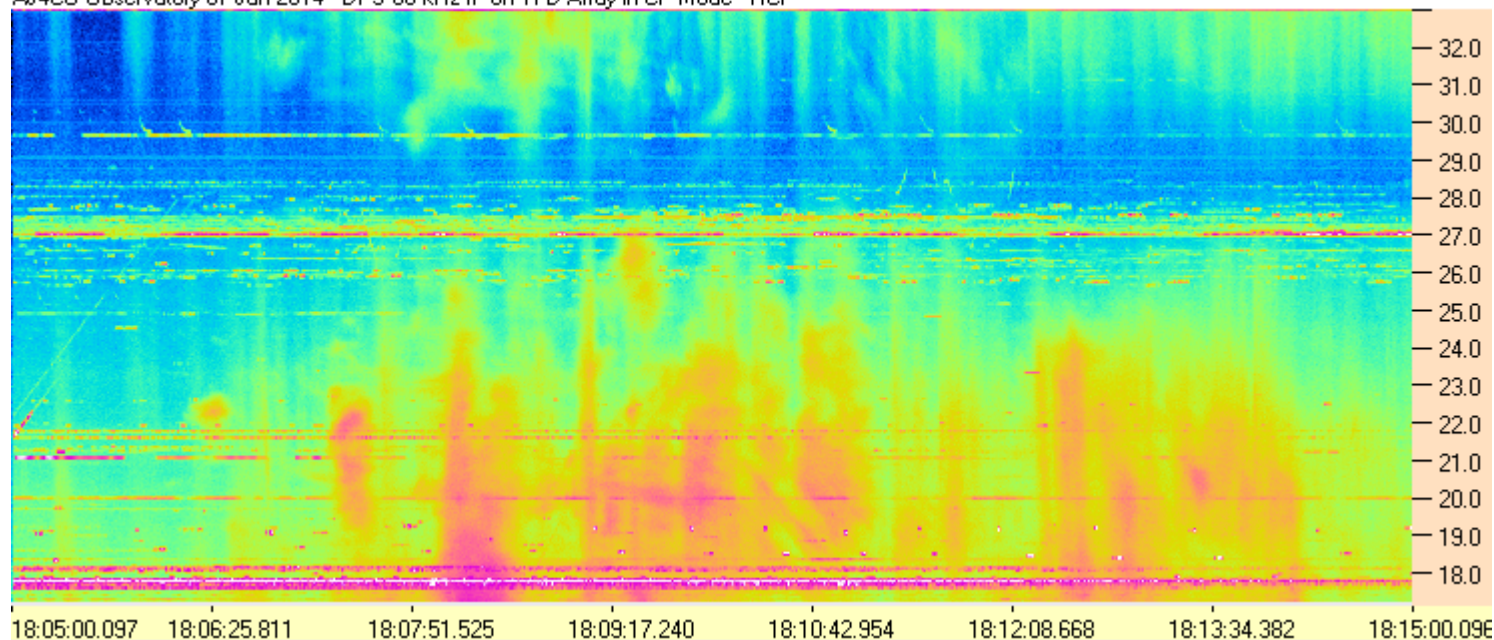


AJ4CO Observatory 07 Jan 2014 - FS-200 30 kHz IF on TFD Array in CP Mode - RCP+LCP Summed

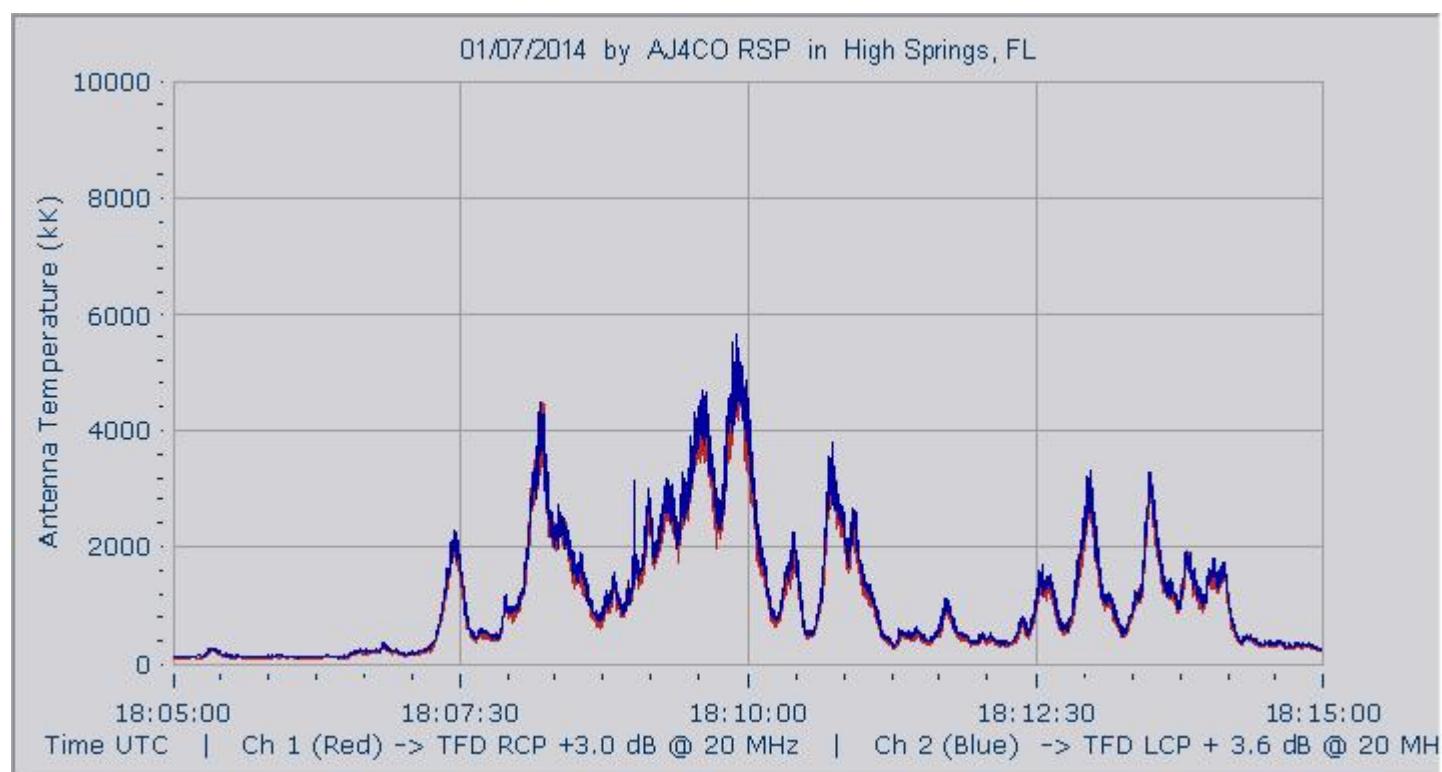
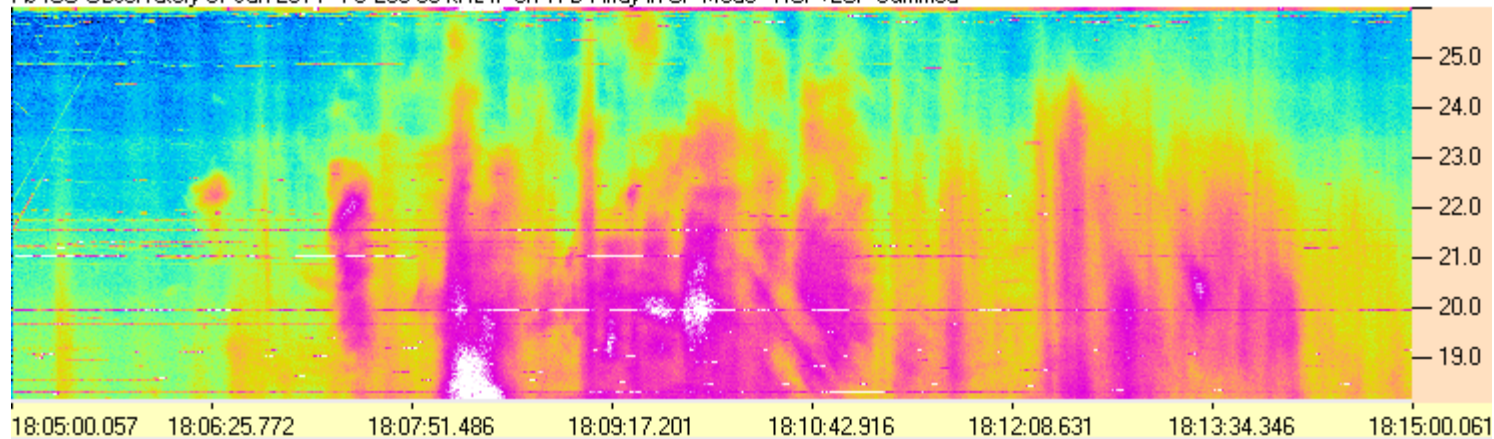




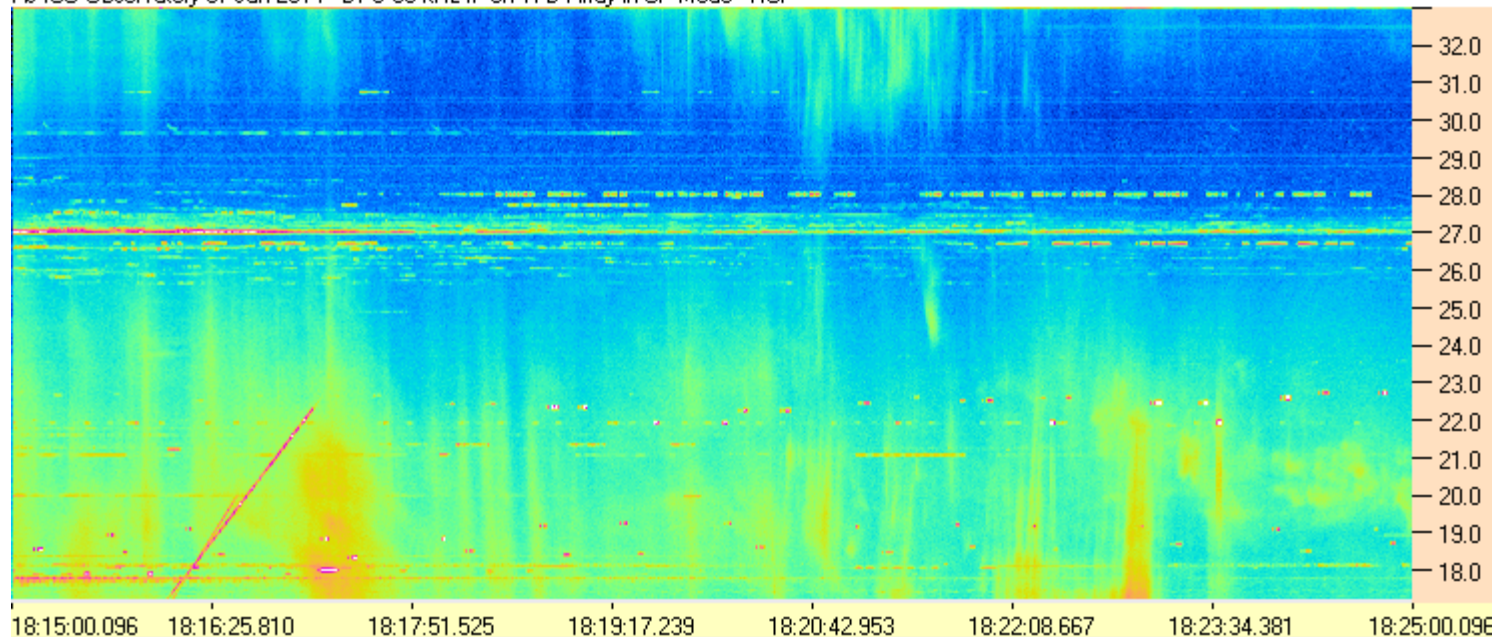
AJ4CO Observatory 07 Jan 2014 - DPS 60 kHz IF on TFD Array in CP Mode - RCP



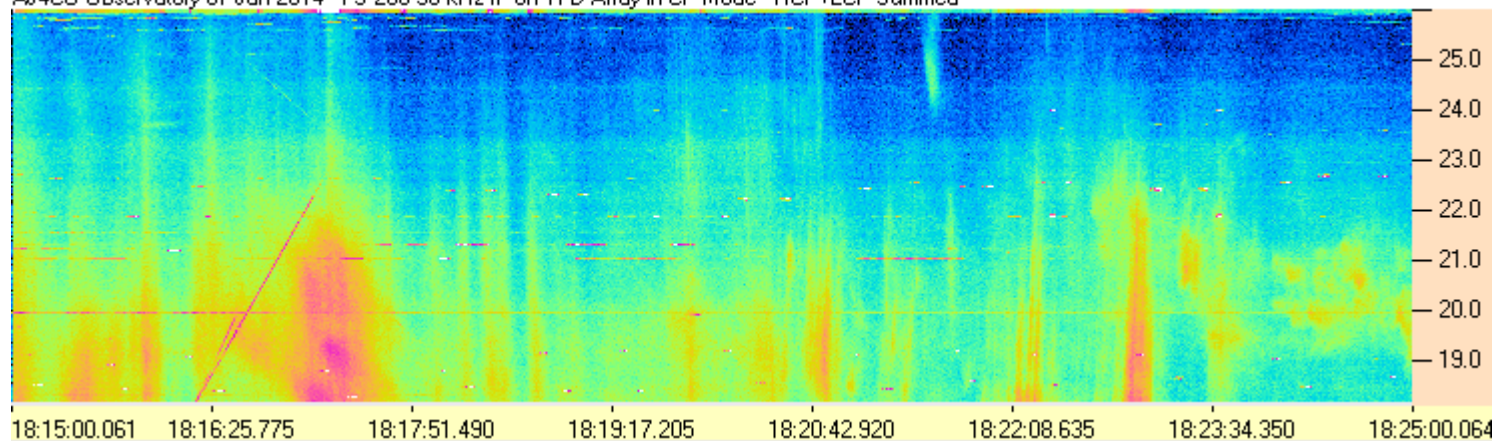
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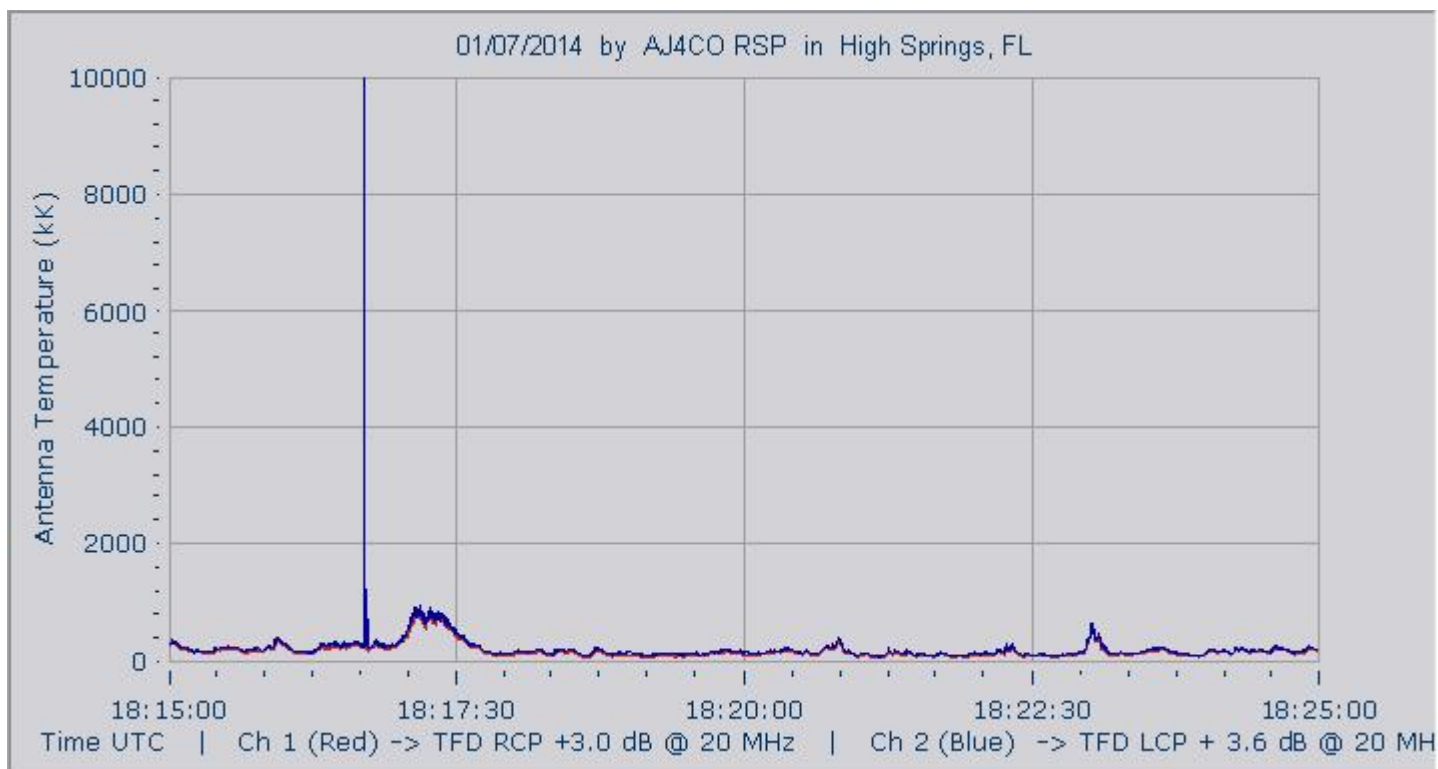


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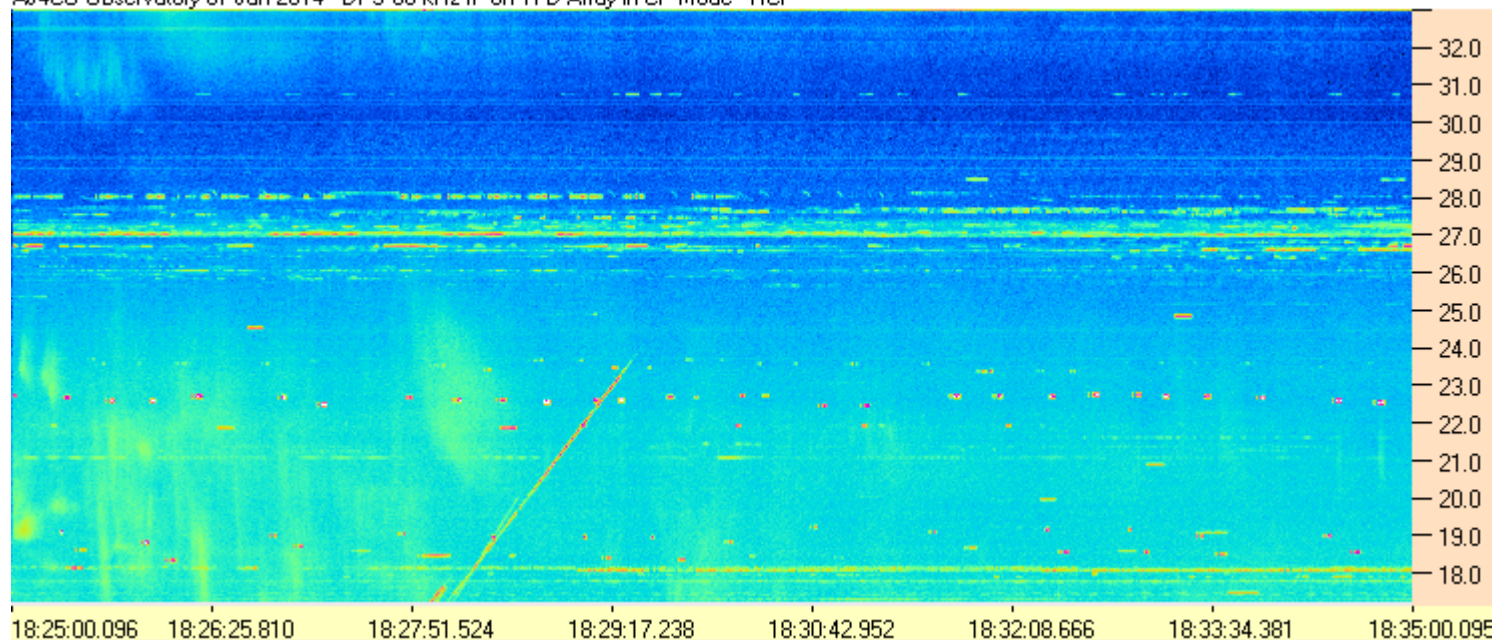


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