

Subject: [radiojove-data] 29 Dec 2013 Io-C
From: Dave Typinski <davetyp@typnet.net>
Date: 12/30/2013 02:39
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Tom's nice time-laps report, here's the Io-C from Sunday morning.

Lots of LCP SN events and plain S bursting from about 0900 to 1015 UTC. Mostly LCP L bursting after that.

Several periods with RCP L bursts simultaneous with LCP S bursts and SN events. The modulation lanes in the RCP L bursts do not appear to affect the LCP SN events -- which makes sense if they come from two different hemispheres of Jupiter.

During the observation, there was a line of thunderstorms moving in. Lighting was progressively more visible throughout the observation.

For all of the spectrograms shown below, the TFD array beam was steered to 60° elevation directly west. Jupiter was off axis from 5° to 35°.

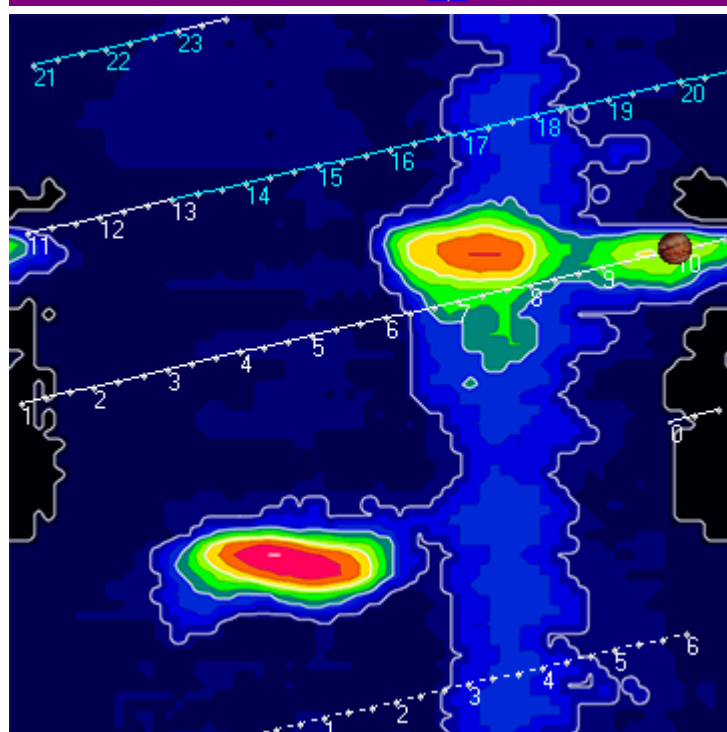
Also, this being Io-C, the DPS was reconfigured with a sweep range of 16 to 23 MHz, 300 channels, and a 30 kHz IF BW.

Jupiter was leading the Sun by 171°.

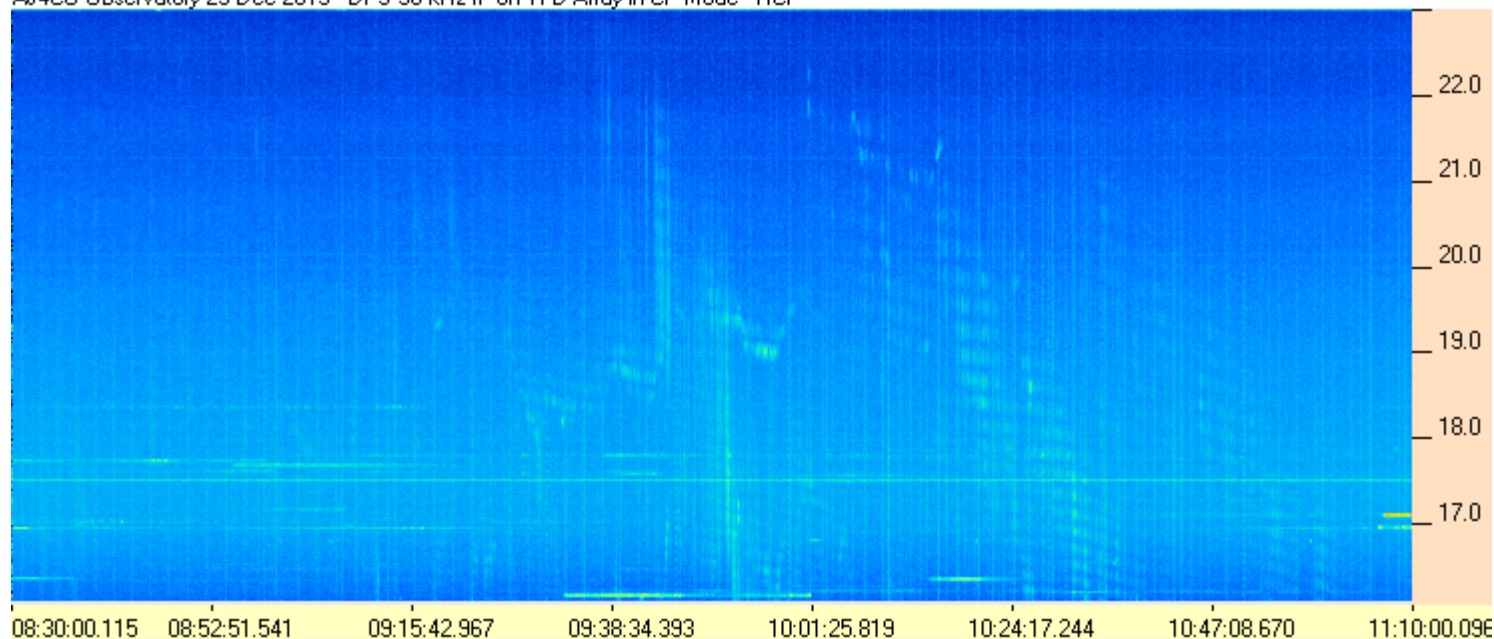
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Dave

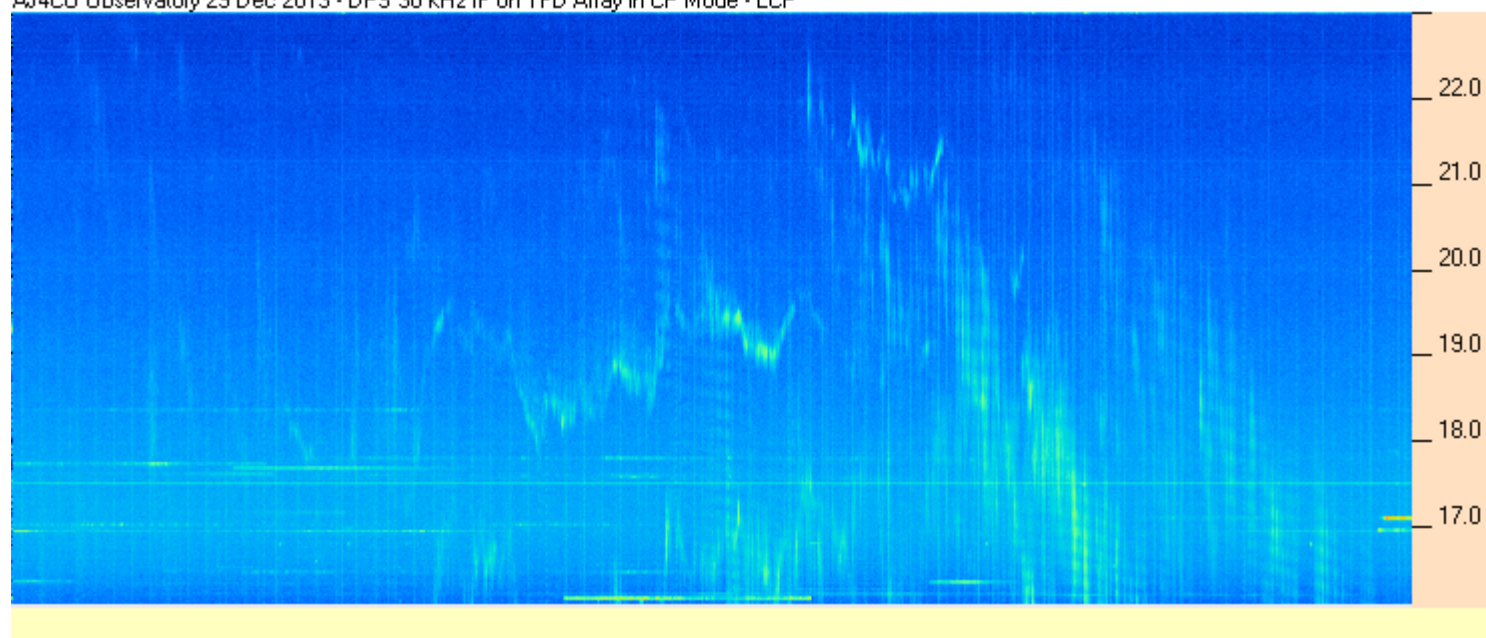
AJ4CO Observatory, 29 Dec 2013



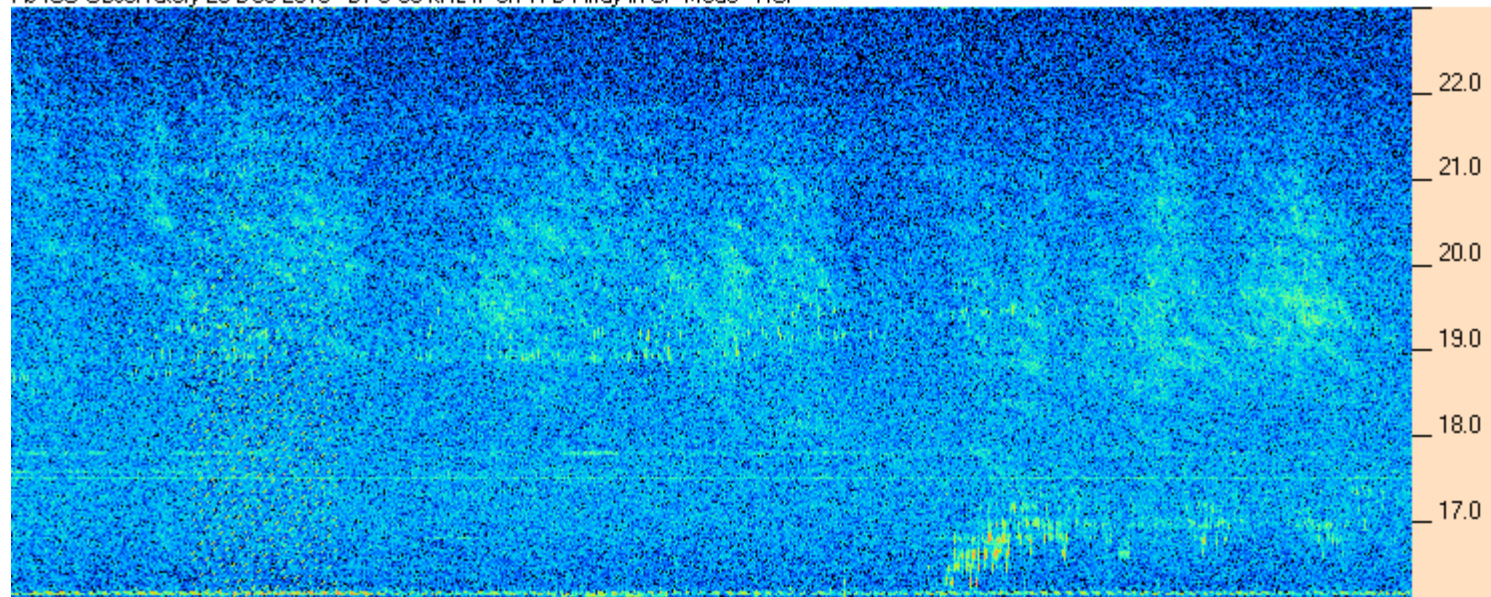
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - RCP



AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - LCP

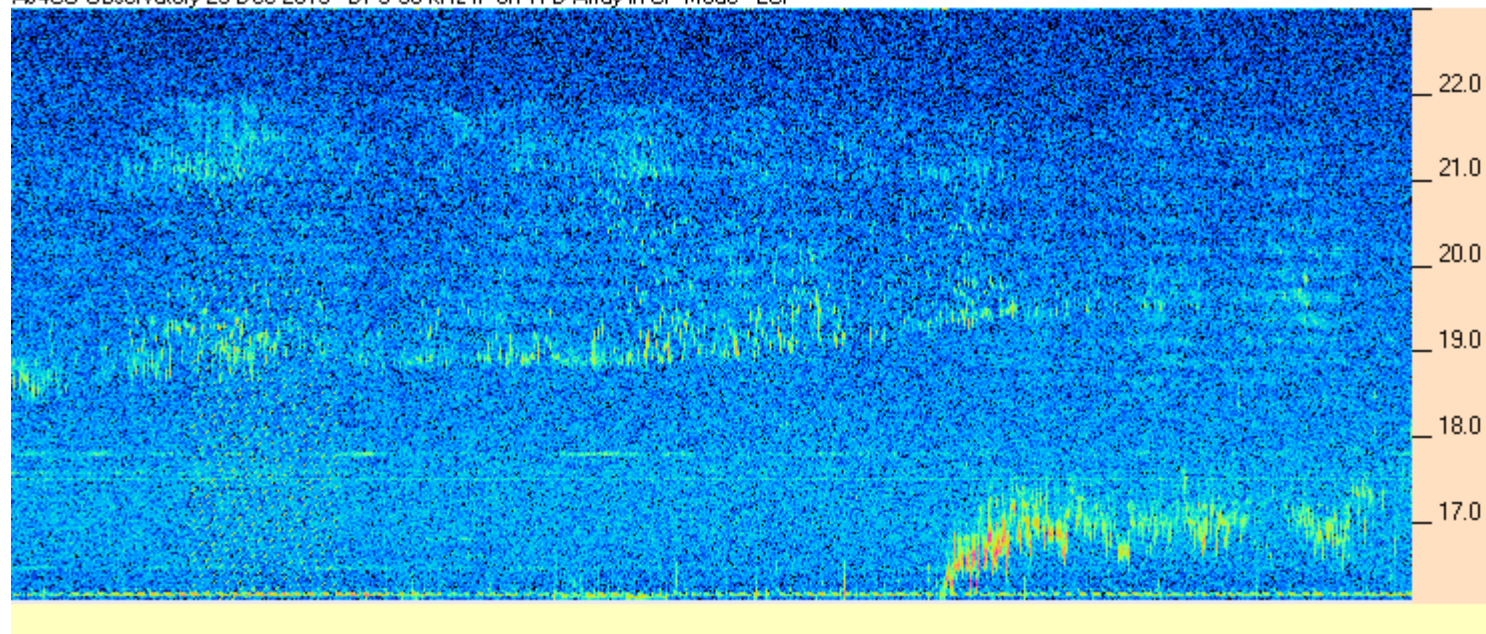


AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - RCP

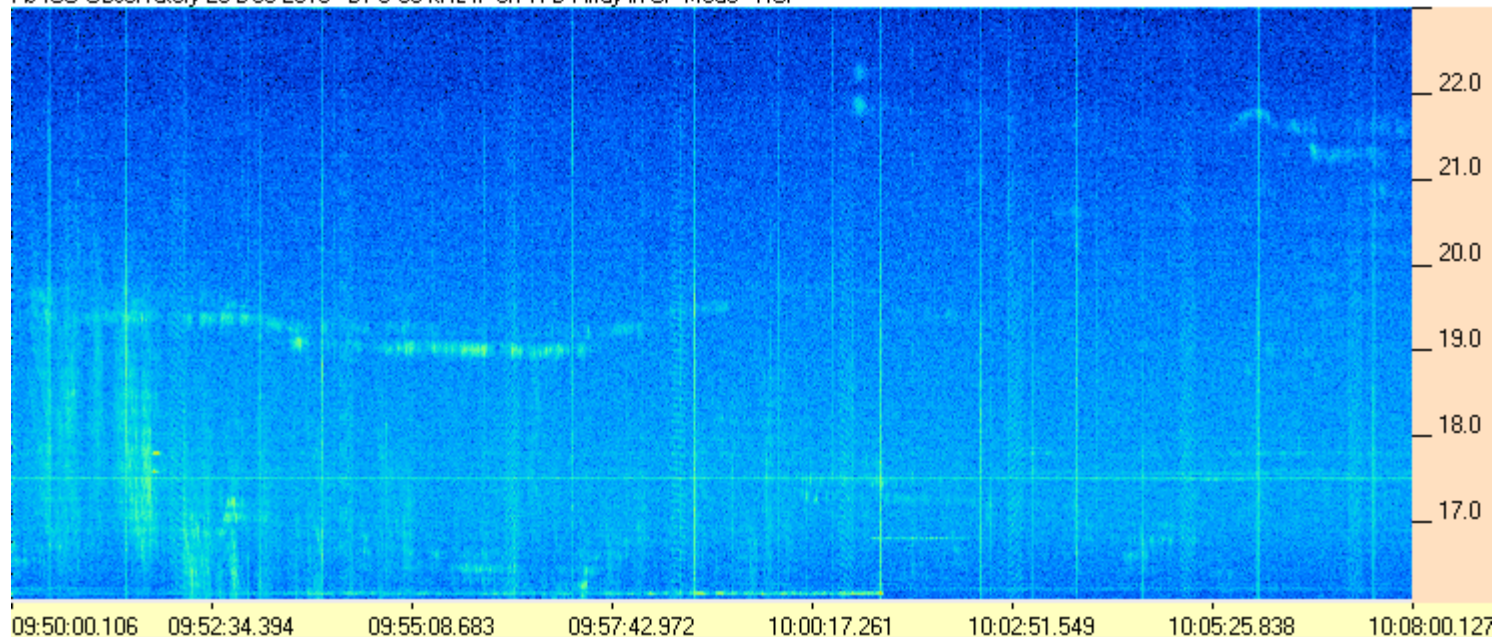


09:43:16.157 09:43:31.850 09:43:47.544 09:44:03.237 09:44:18.931 09:44:34.624 09:44:50.317 09:45:06.011

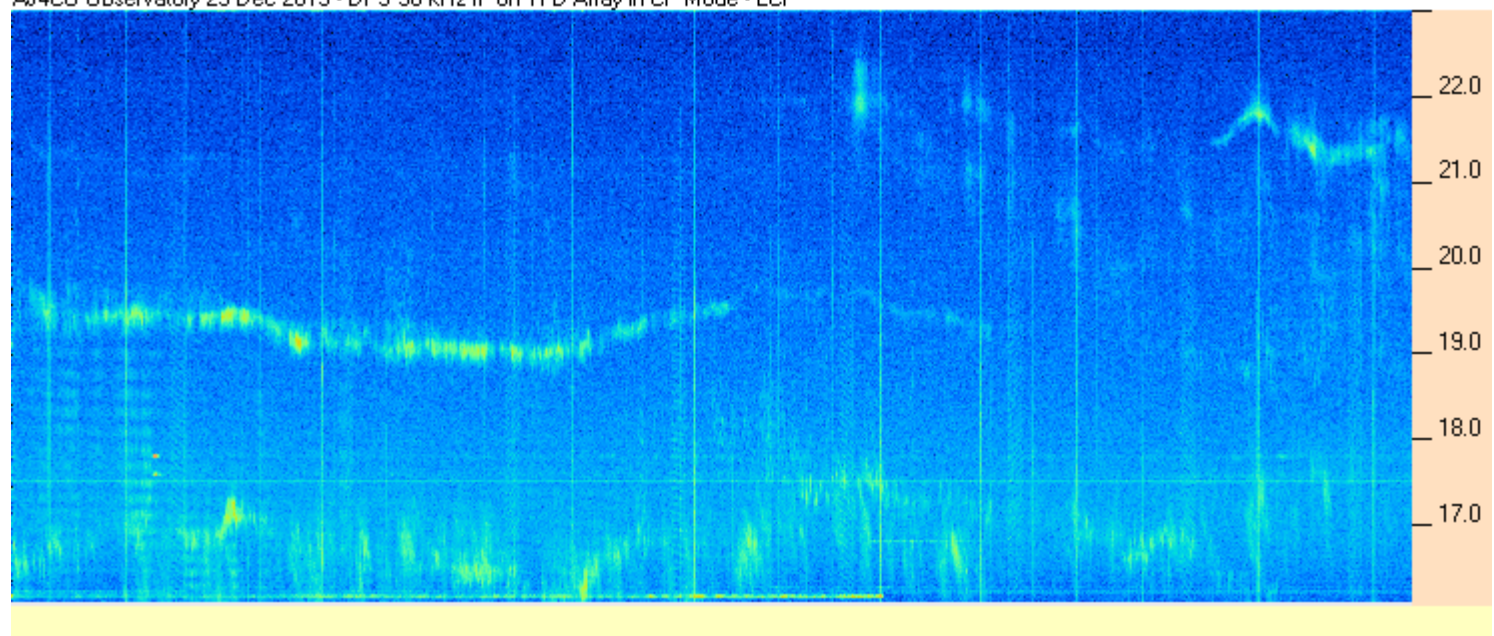
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - LCP



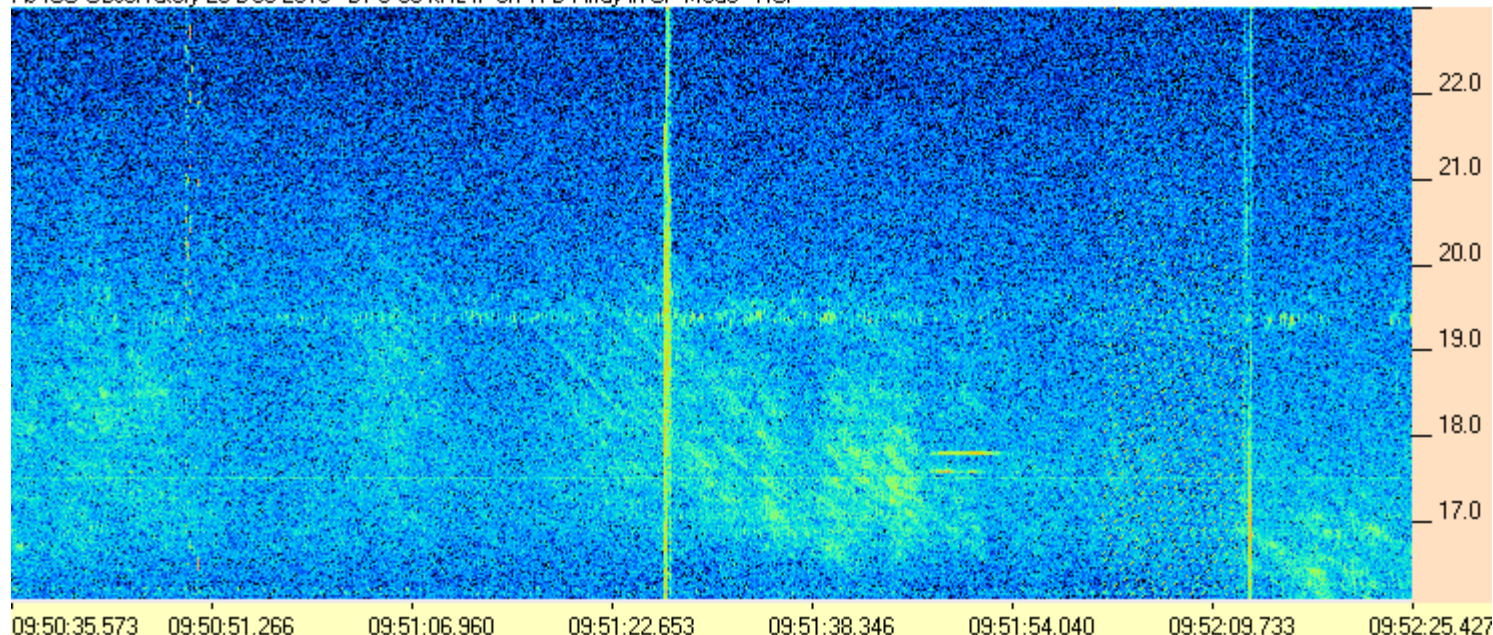
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - RCP



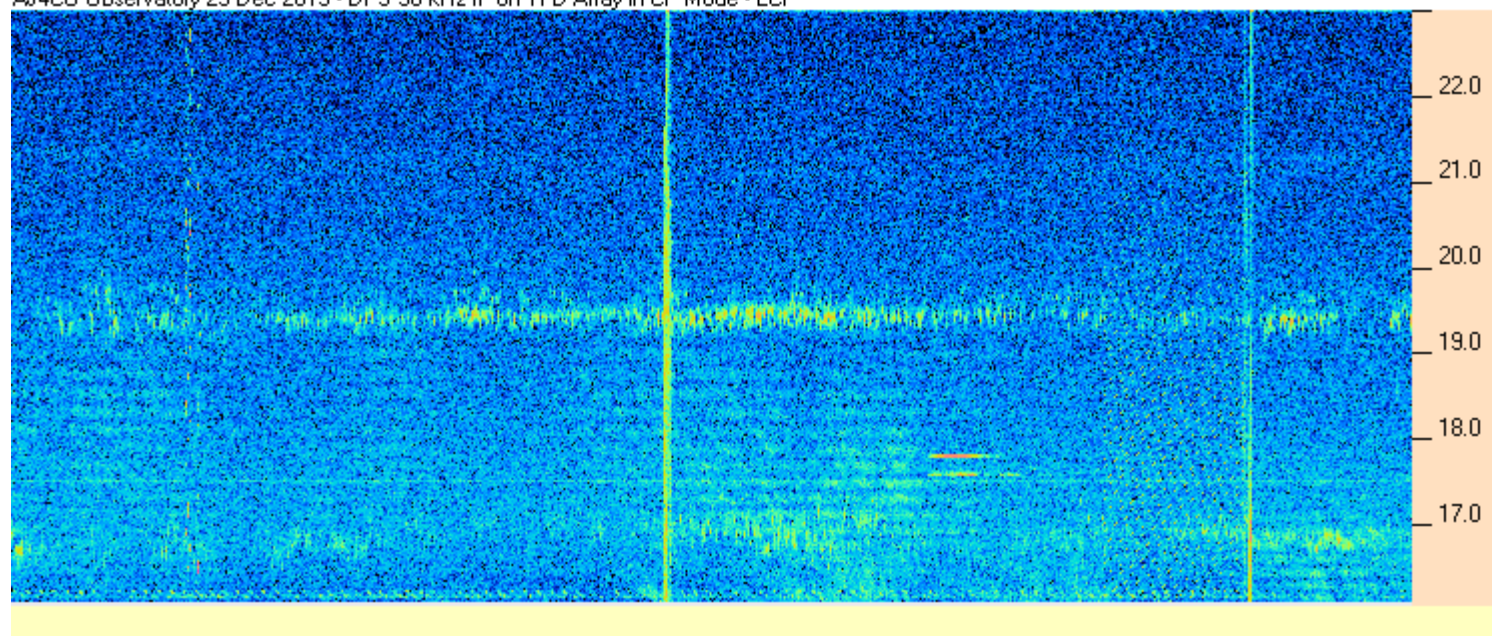
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - LCP



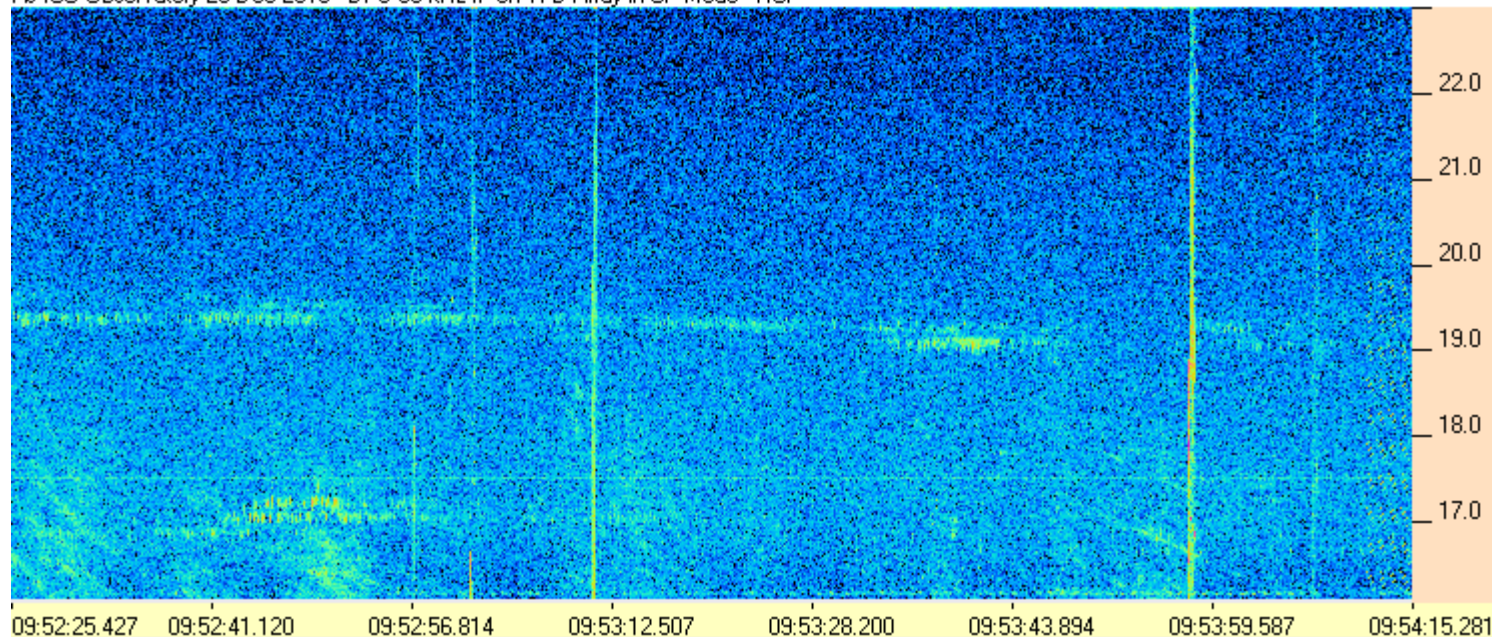
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - RCP



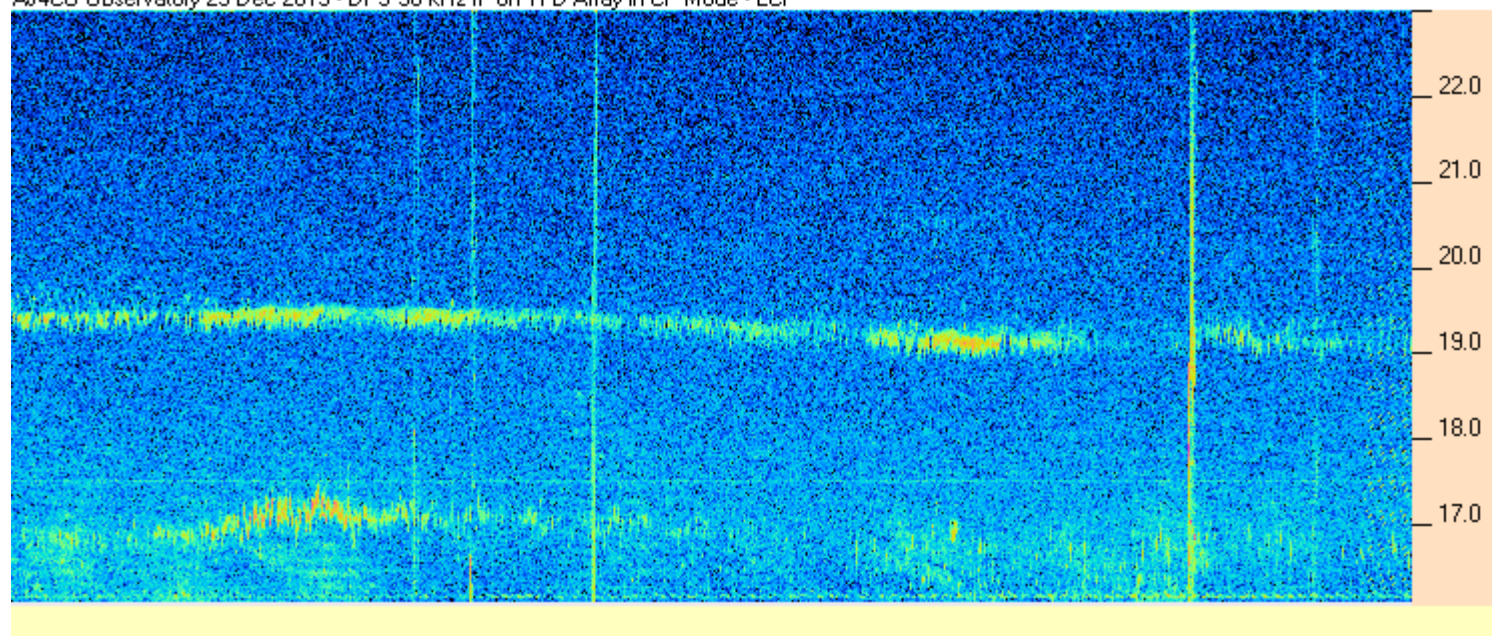
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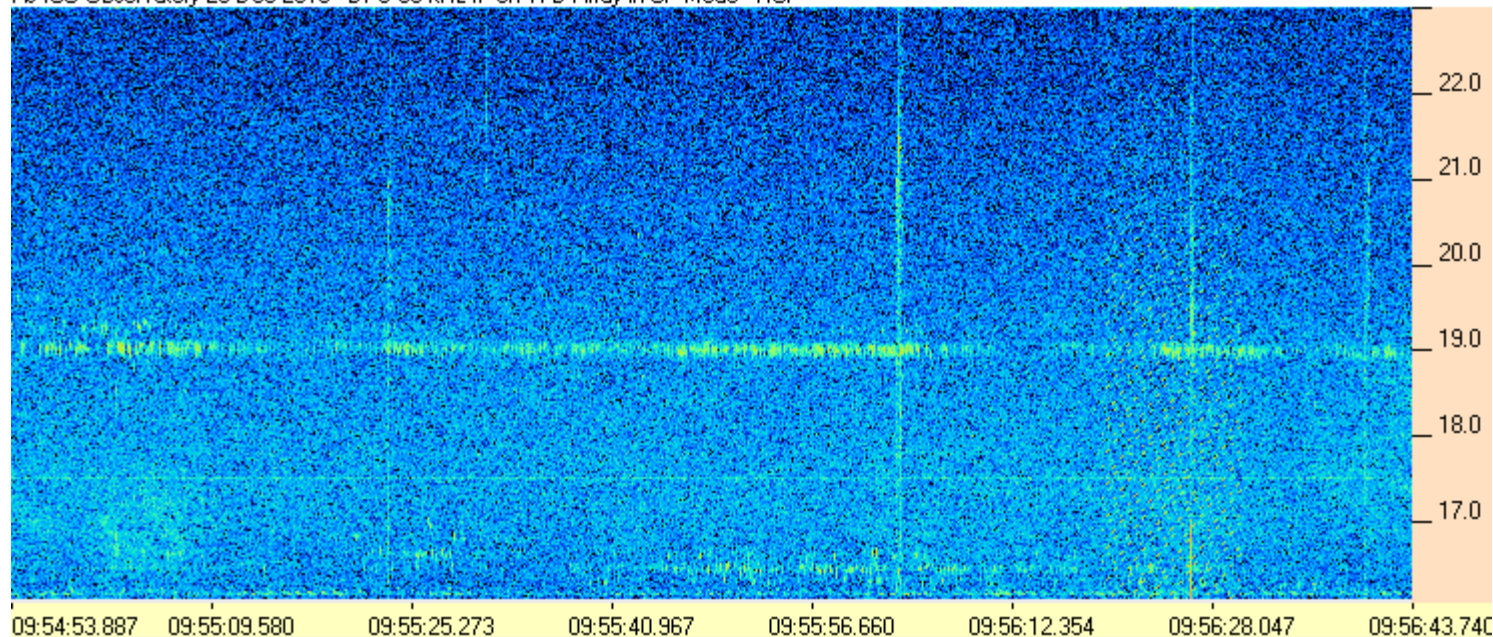
AJ4CO Observatory 29 Dec 2013 - DPS 30 kHz IF on TFD Array in CP Mode - RCP



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