Subject: [radiojove-data] 21 Dec 2015 Io-C
From: Dave Typinski <davetyp@typnet.net>
Date: 12/23/2015 23:20
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Tom's nice report, here's some Io-C from Monday morning.

LCP dominant N events and narrow band S burst trains 1126-1315 UTC from 18 to 21 MHz, positive then negative drift emission envelope, no modulation lanes visible.

LCP dominant L bursting 1135-1313 UTC from 16 to 18 MHz, zero drift emission envelope, no modulation lanes visible.

Jupiter was +5° to +32° off axis.

Jupiter was leading the Sun by 97°.

The RCP Jove receiver's gain instability was fixed at 1233 UTC.
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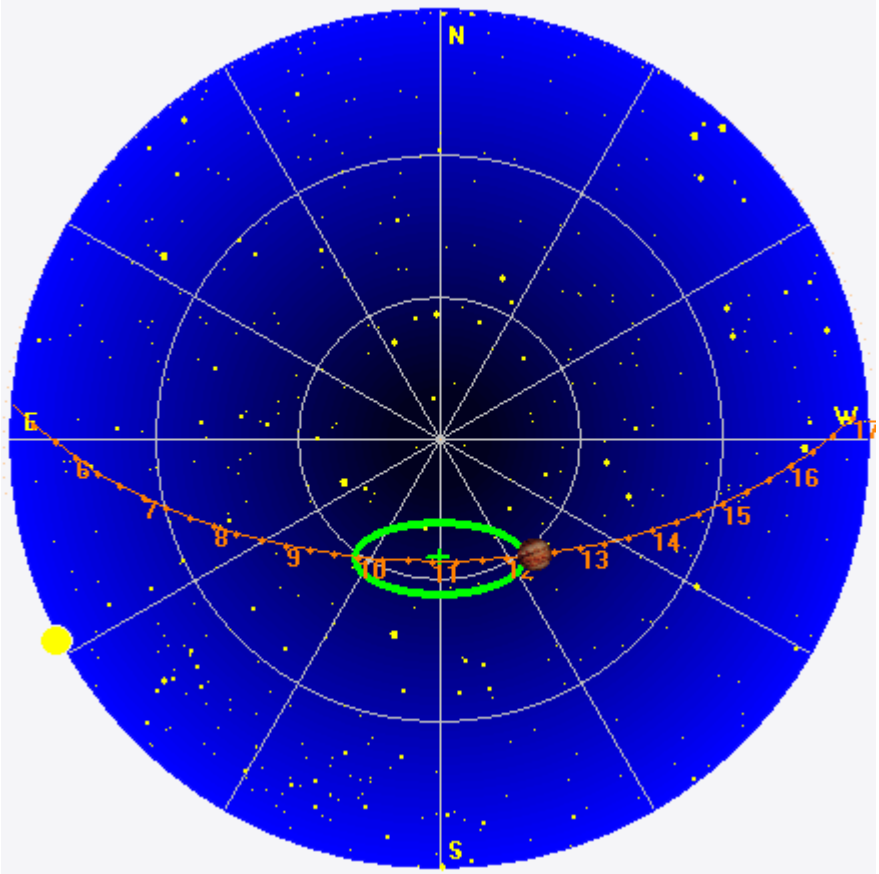
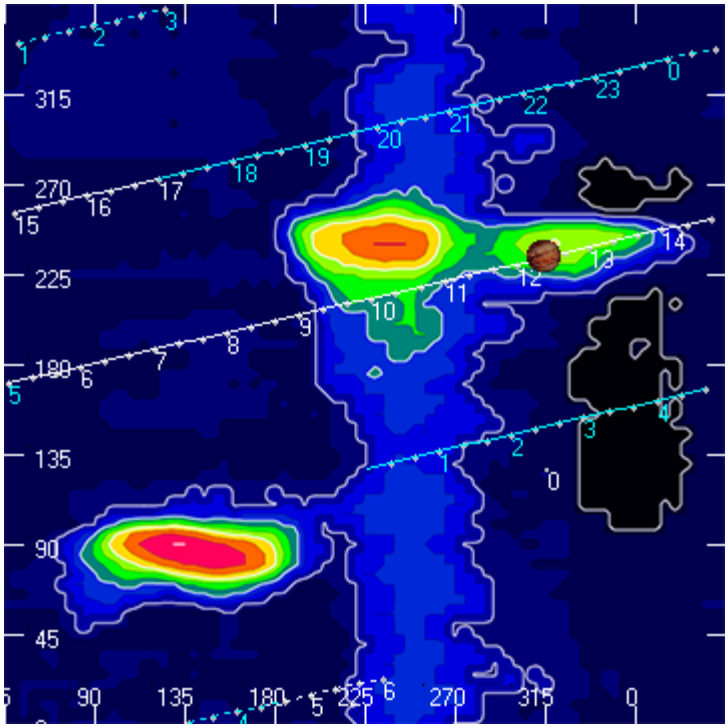
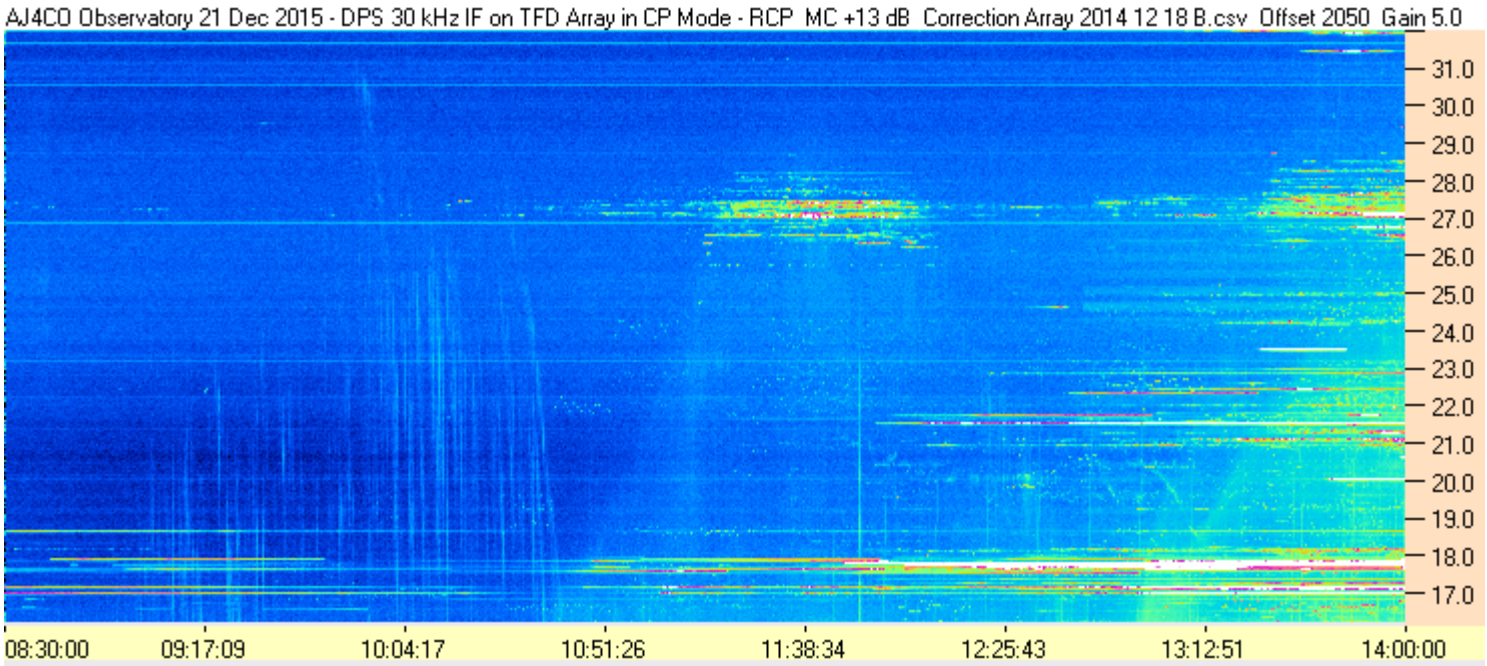
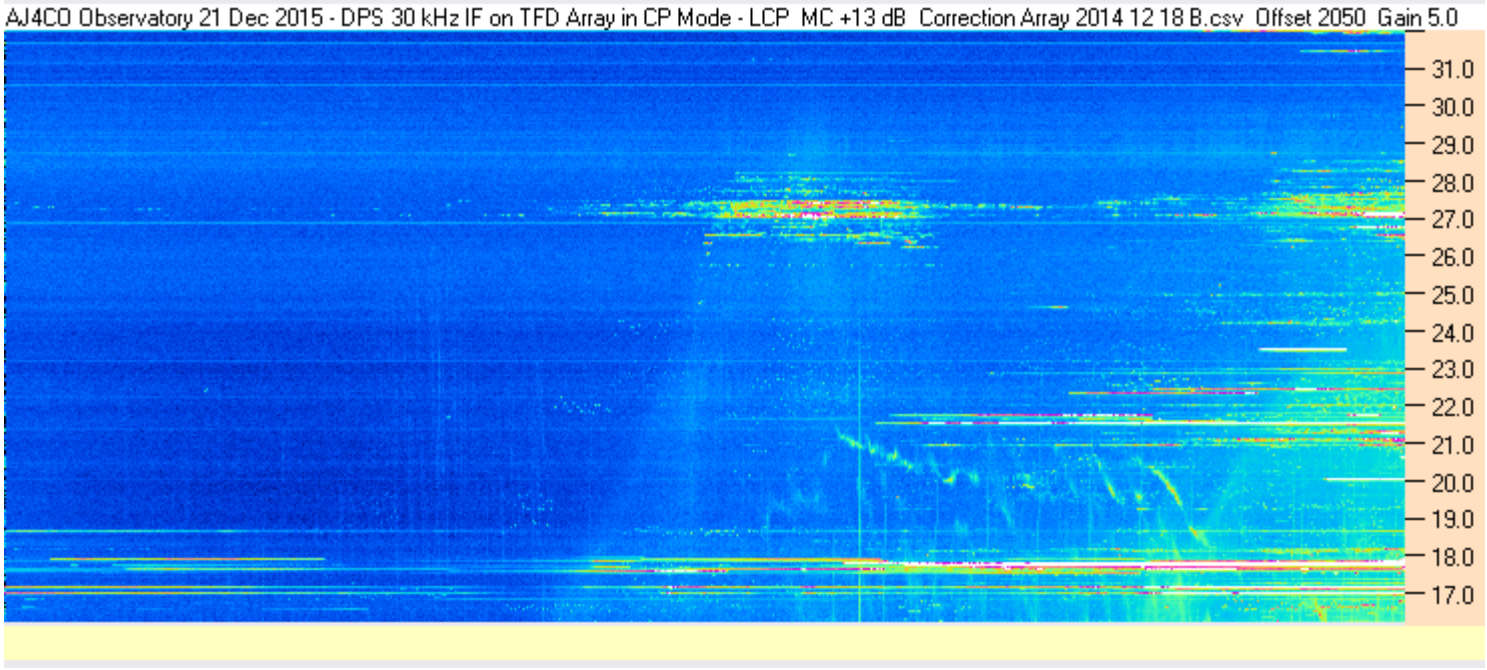
Dave

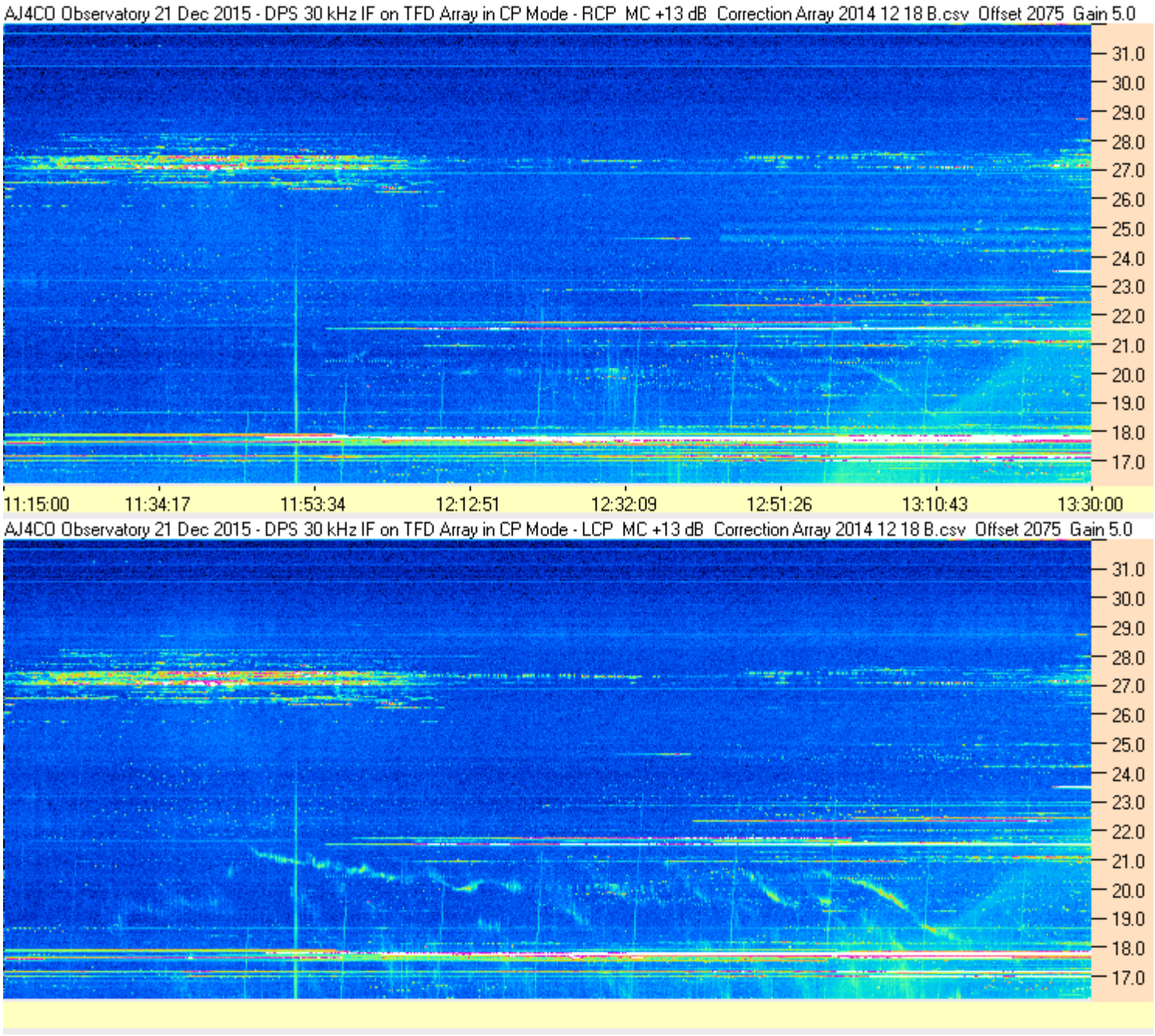
AJ4CO Observatory 21 Dec 2015, log entry 515 - 516

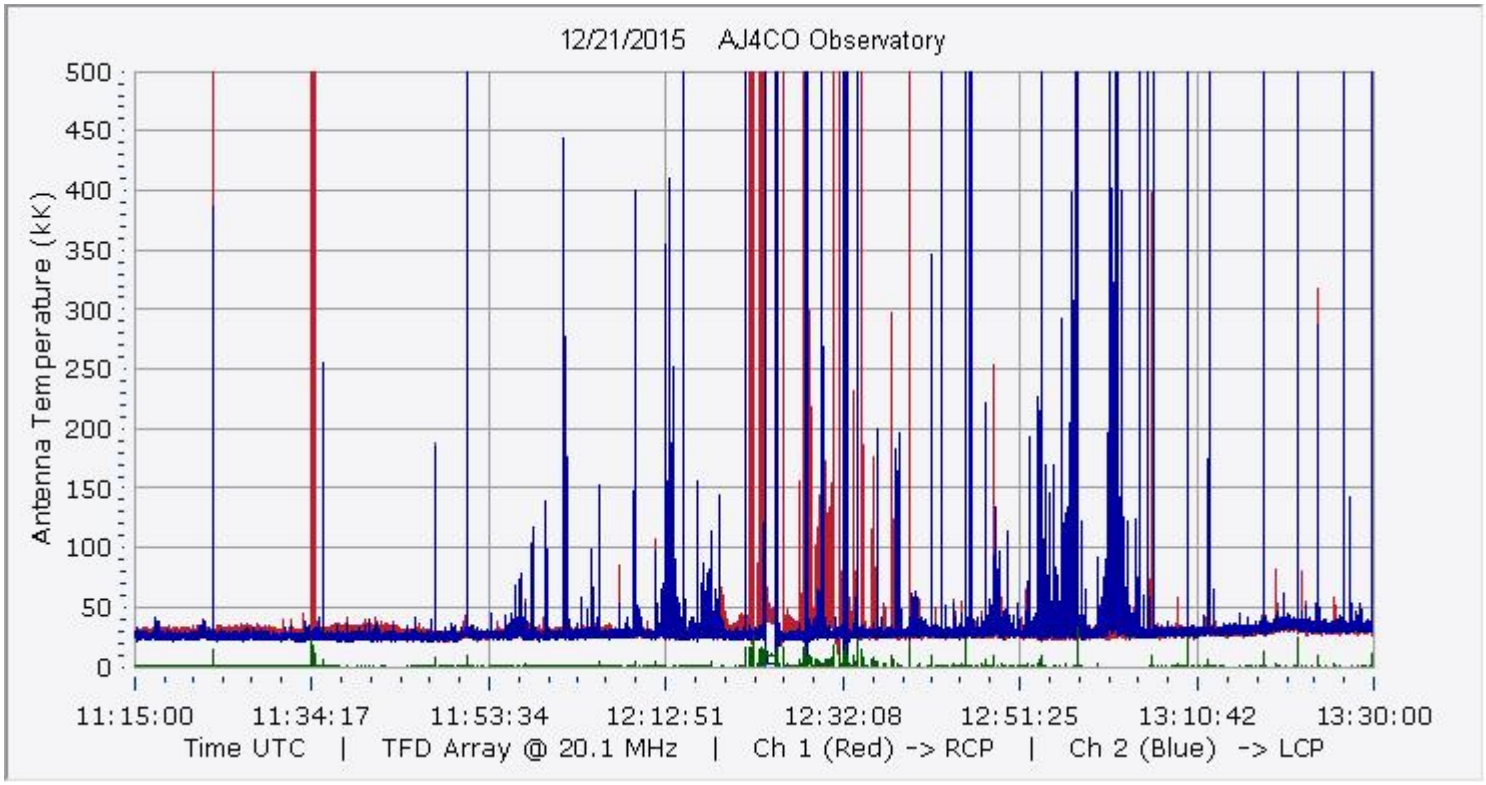


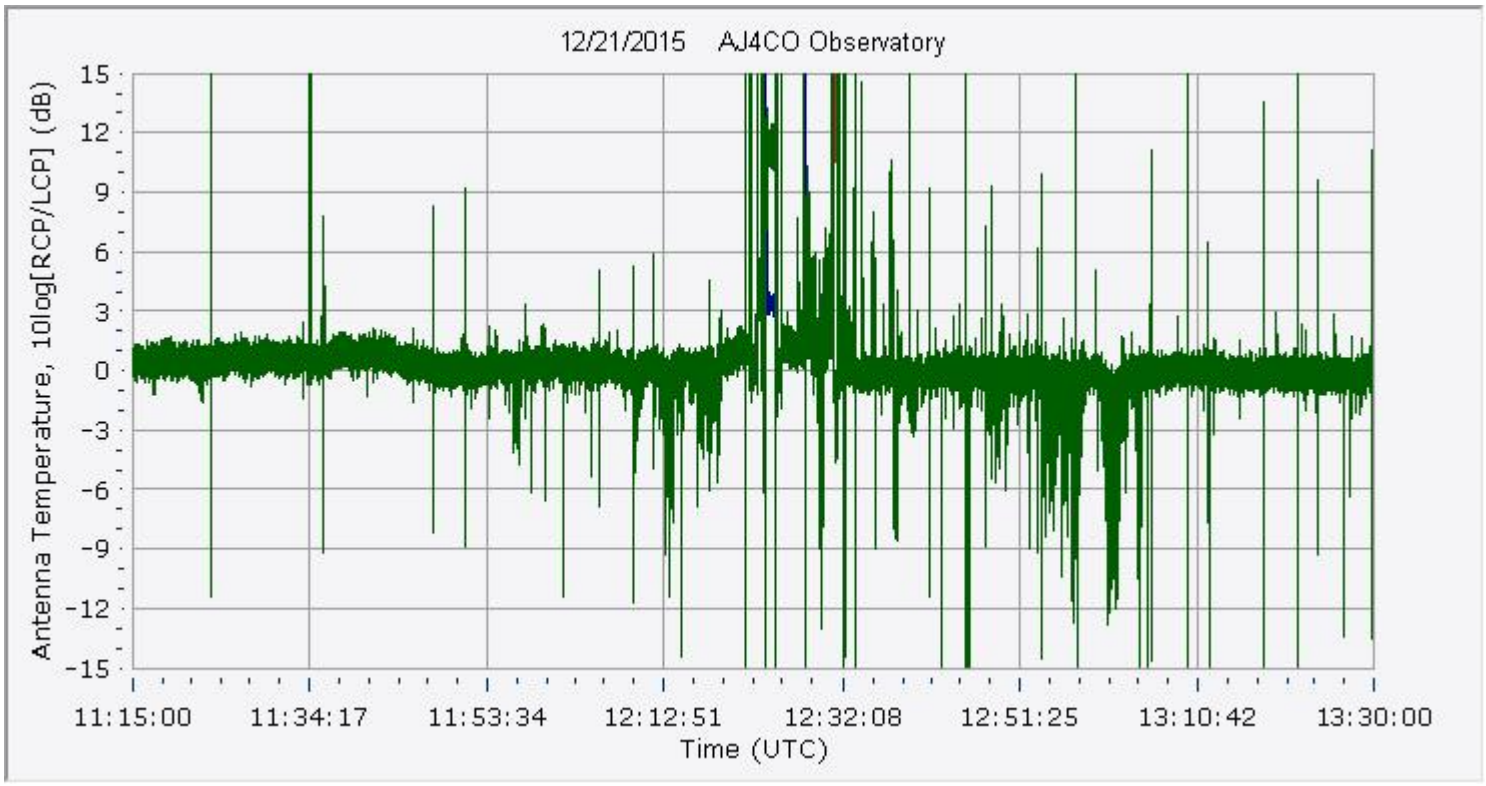

315
270
225
180
135
90
45
90
135
180
225
270
315
0

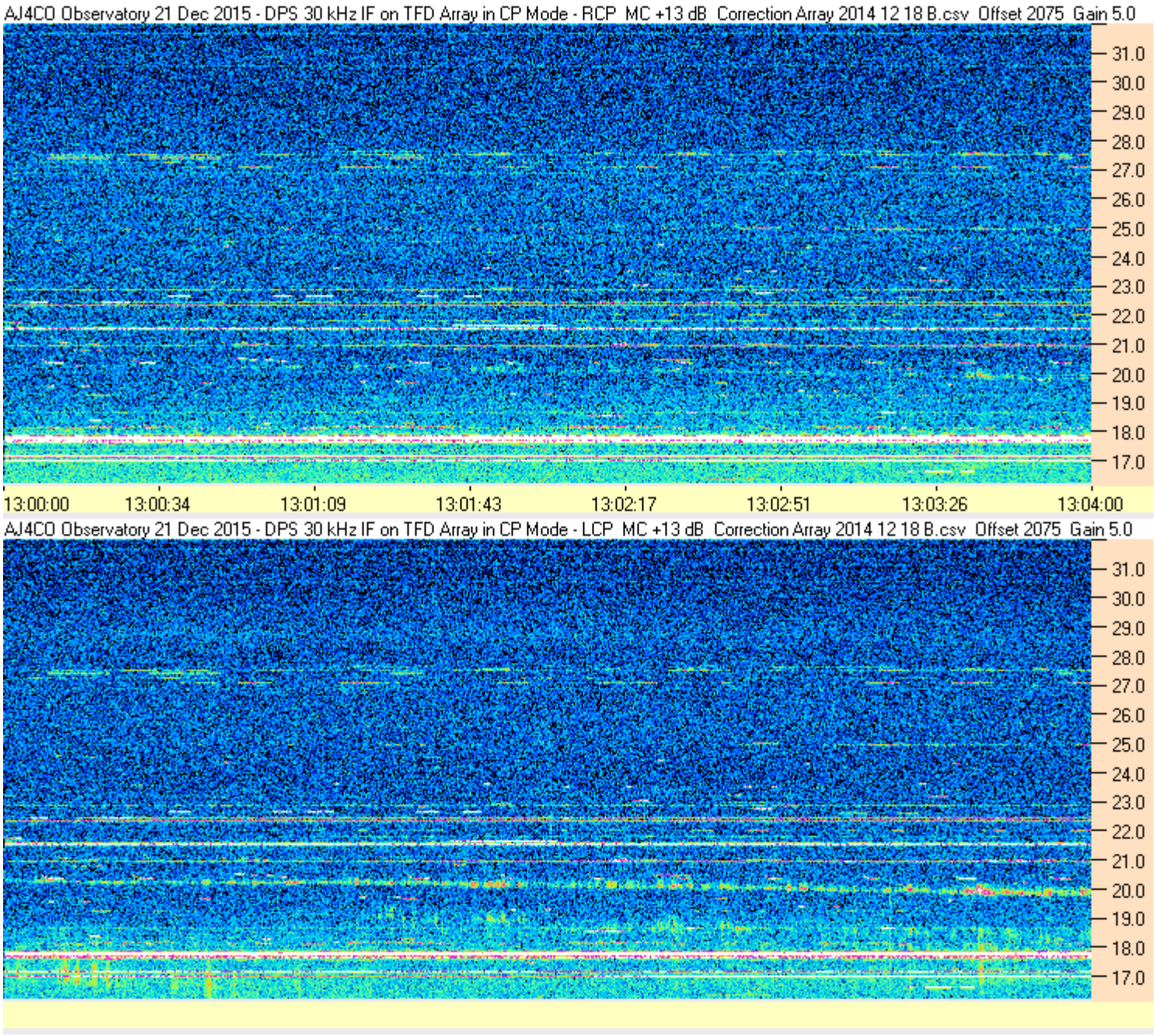

AJ4CO Observatory 21 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
08:30:00
09:17:09
10:04:17
10:51:26
11:38:34
12:25:43
13:12:51
14:00:00

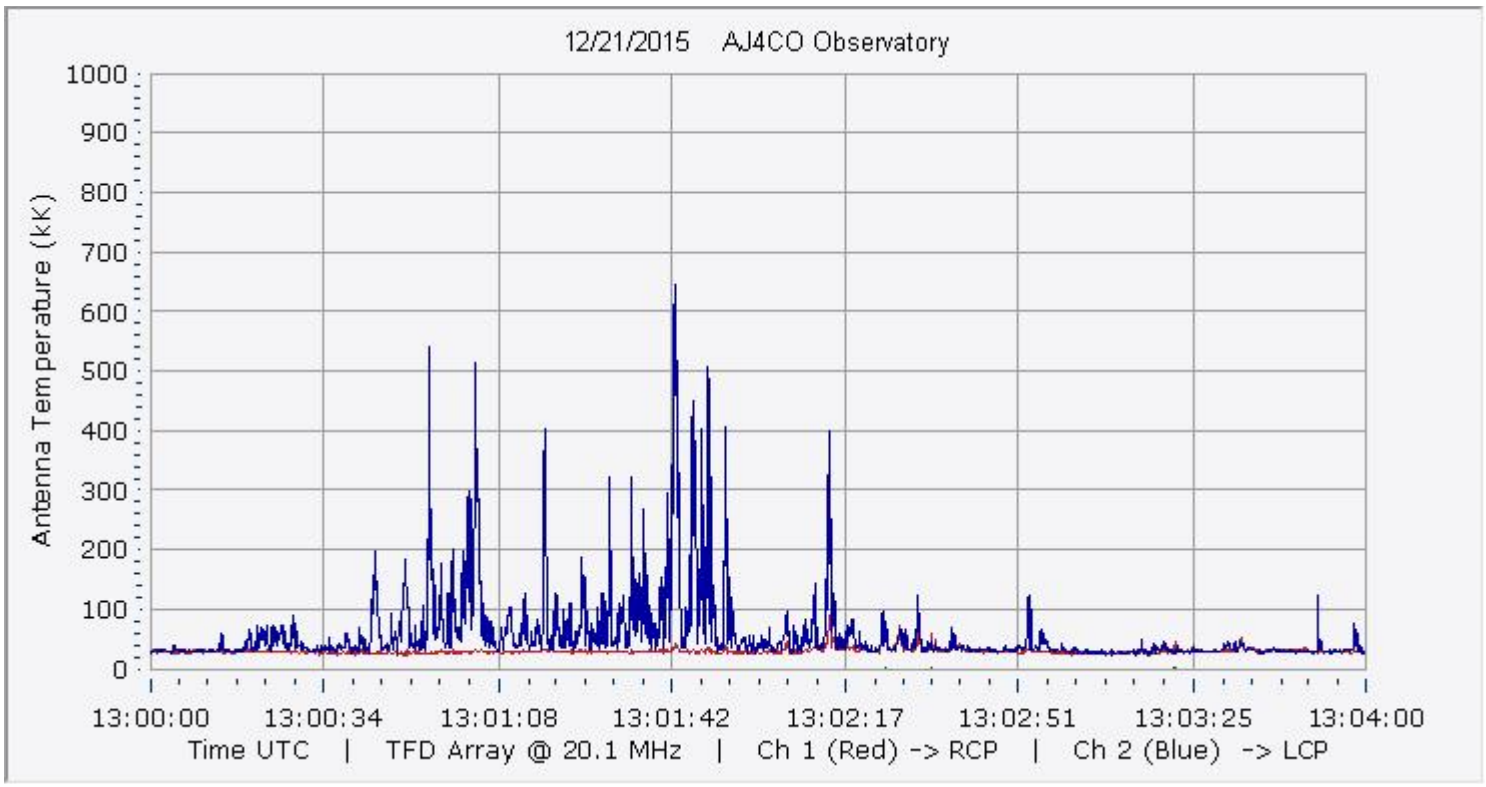

AJ4CO Observatory 21 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2050 Gain 5.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0

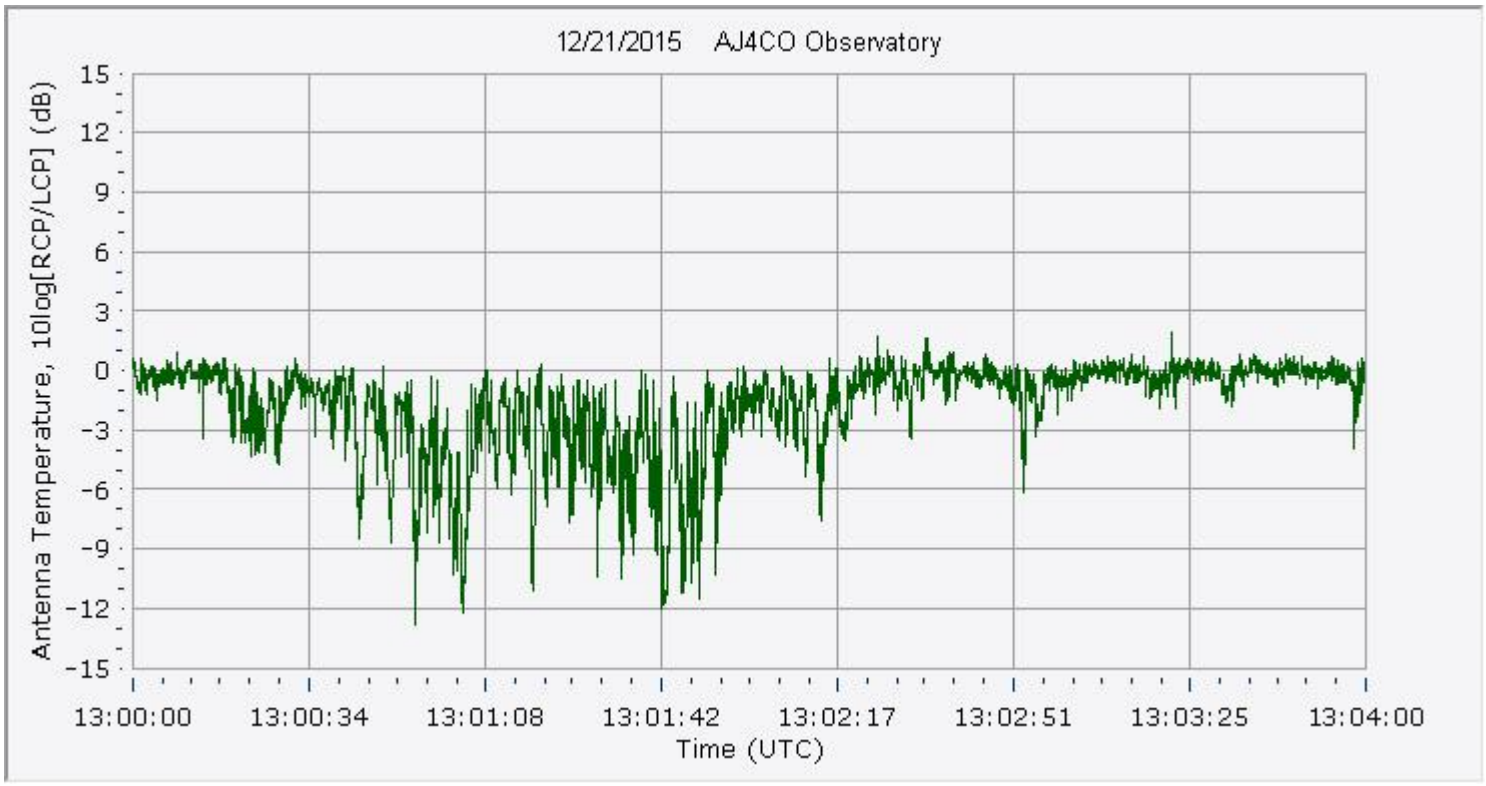

AJ4CO Observatory 21 Dec 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2075 Gain 5.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
11:15:00
11:34:17
11:53:34
12:12:51
12:32:09
12:51:26
13:10:43
13:30:00
AJ4CO Observatory 21 Dec 2015 - 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
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0


12/21/2015 AJ4CO Observatory
Antenna Temperature (kK)
500
450
400
350
300
250
200
150
100
50
0
11:15:00
11:34:17
11:53:34
12:12:51
12:32:08
12:51:25
13:10:42
13:30:00
Time UTC | TFD Array @ 20.1 MHz | Ch 1 (Red) -> RCP | Ch 2 (Blue) -> LCP


12/21/2015 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
11:15:00
11:34:17
11:53:34
12:12:51
12:32:08
12:51:25
13:10:42
13:30:00
Time (UTC)


AJ4CO Observatory 21 Dec 2015 - 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
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
13:00:00
13:00:34
13:01:09
13:01:43
13:02:17
13:02:51
13:03:26
13:04:00
AJ4CO Observatory 21 Dec 2015 - 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
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0


12/21/2015 AJ4CO Observatory
Antenna Temperature (kK)
1000
900
800
700
600
500
400
300
200
100
0
13:00:00
13:00:34
13:01:08
13:01:42
13:02:17
13:02:51
13:03:25
13:04:00
Time UTC | TFD Array @ 20.1 MHz | Ch 1 (Red) -> RCP | Ch 2 (Blue) -> LCP


12/21/2015 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
13:00:00
13:00:34
13:01:08
13:01:42
13:02:17
13:02:51
13:03:25
13:04:00
Time (UTC)