Subject: [radiojove-data] 16 Feb 2016 Io-C
From: Dave Typinski <davetyp@typnet.net>
Date: 02/18/2016 00:05
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Tom & Nathan & Jim's nice reports, here's some Io-C from Tuesday morning.

LCP dominant narrow band S burst trains 0350-0500 UTC from 16 to 20 MHz, negative drift emission envelopes.

LCP dominant L bursting 0429-0519 UTC from 16 to 23 MHz, negative drift emission envelope.

Regional lightning spikes throughout the observation -- and we thus discover yet another use for the polarization differences spectrograms -- they make lightning disappear.

Jupiter was -52° to -29° off axis.

Jupiter was leading the Sun by 156°.
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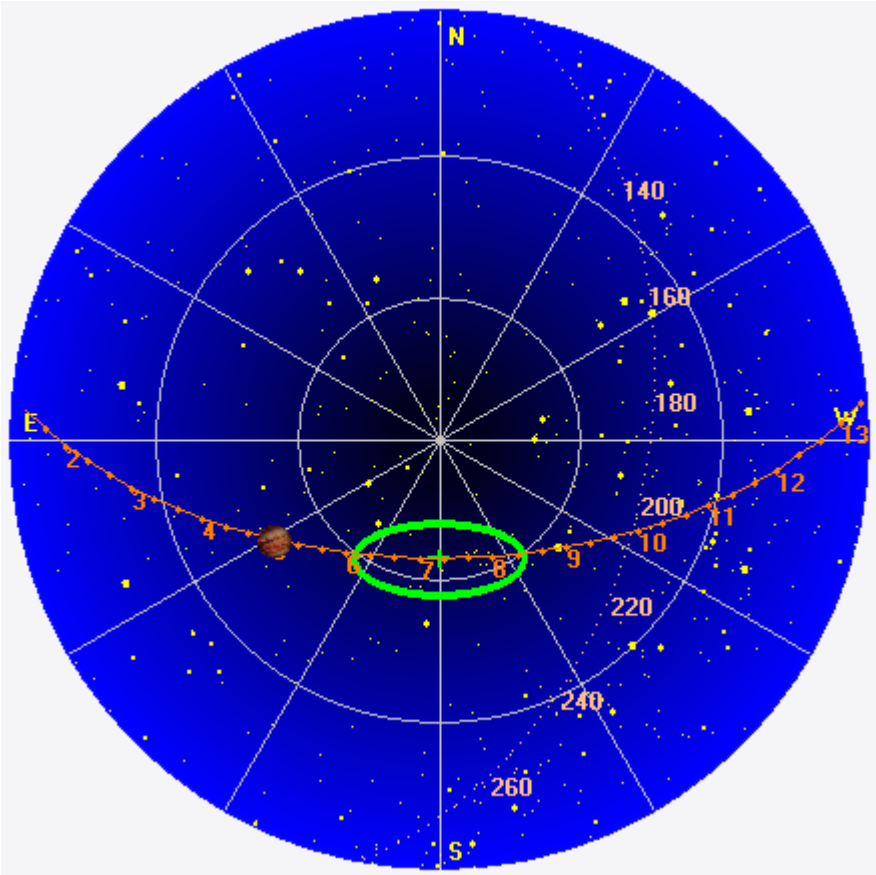
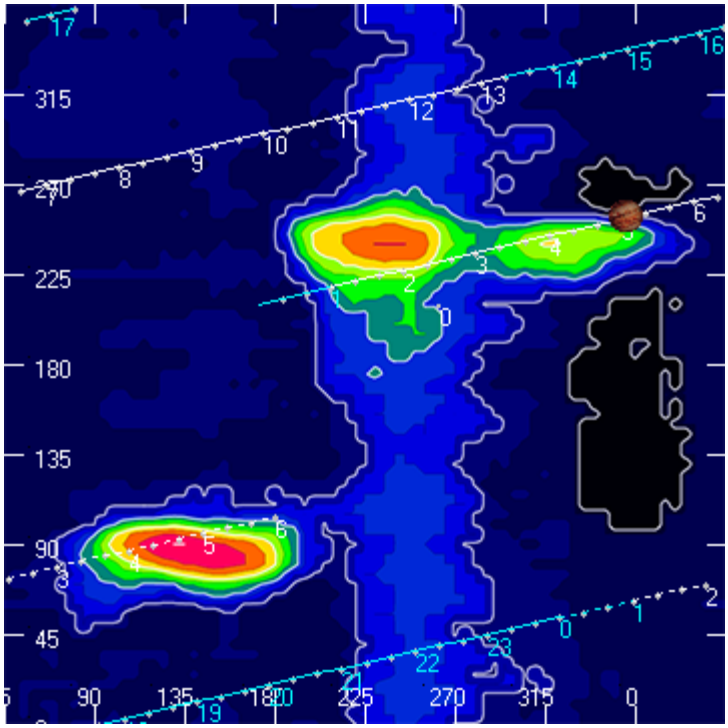
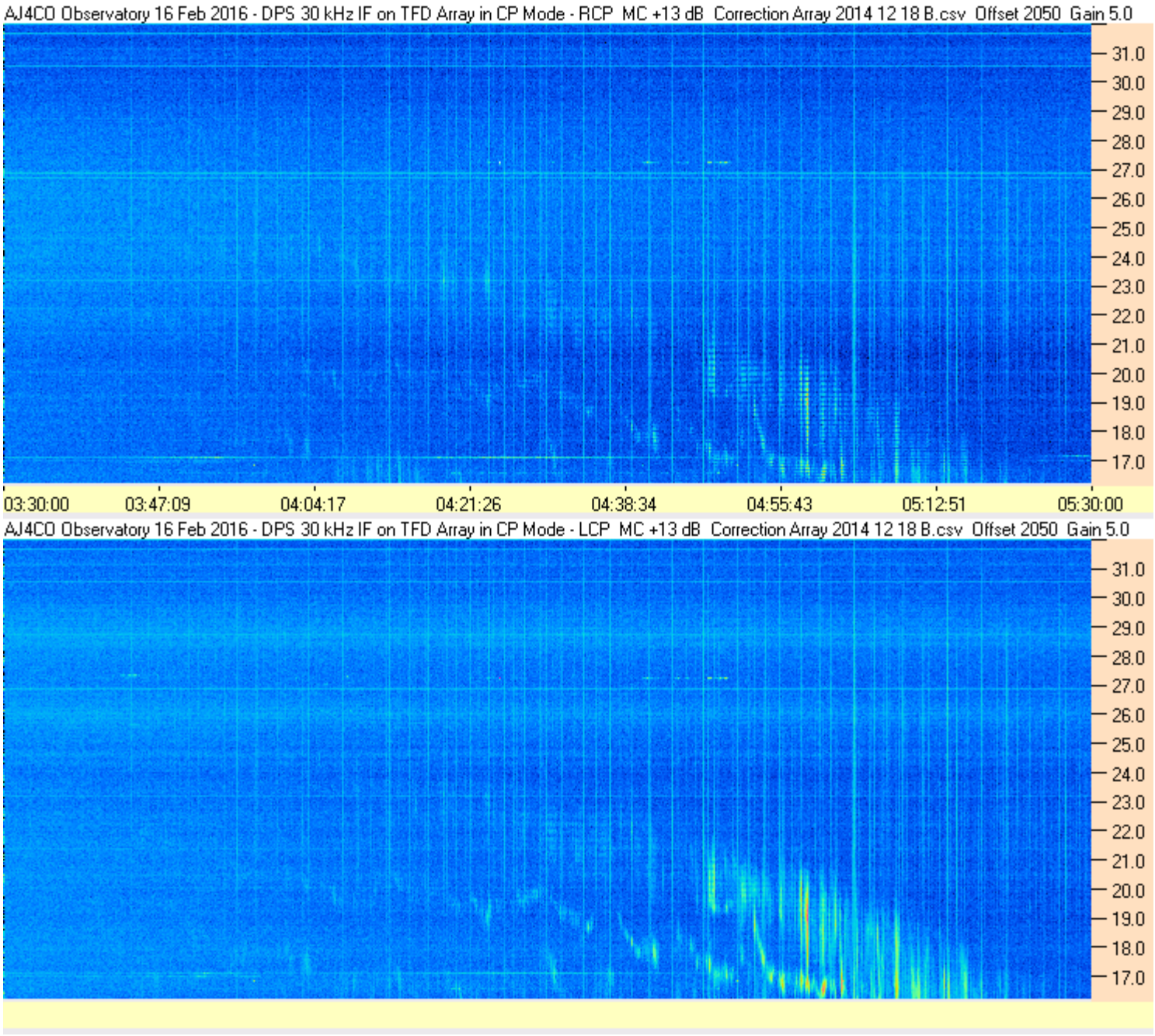
Dave

AJ4CO Observatory 16 Feb 2016, log entry 604 - 605




17
315
16
15
14
13
12
11
10
9
8
270
6
225
4
3
2
0
180
135
90
5
6
3
2
1
0
45
22
23
90
135
180
225
270
315
0


AJ4CO Observatory 16 Feb 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
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
03:30:00
03:47:09
04:04:17
04:21:26
04:38:34
04:55:43
05:12:51
05:30:00
AJ4CO Observatory 16 Feb 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
31.0
30.0
29.0
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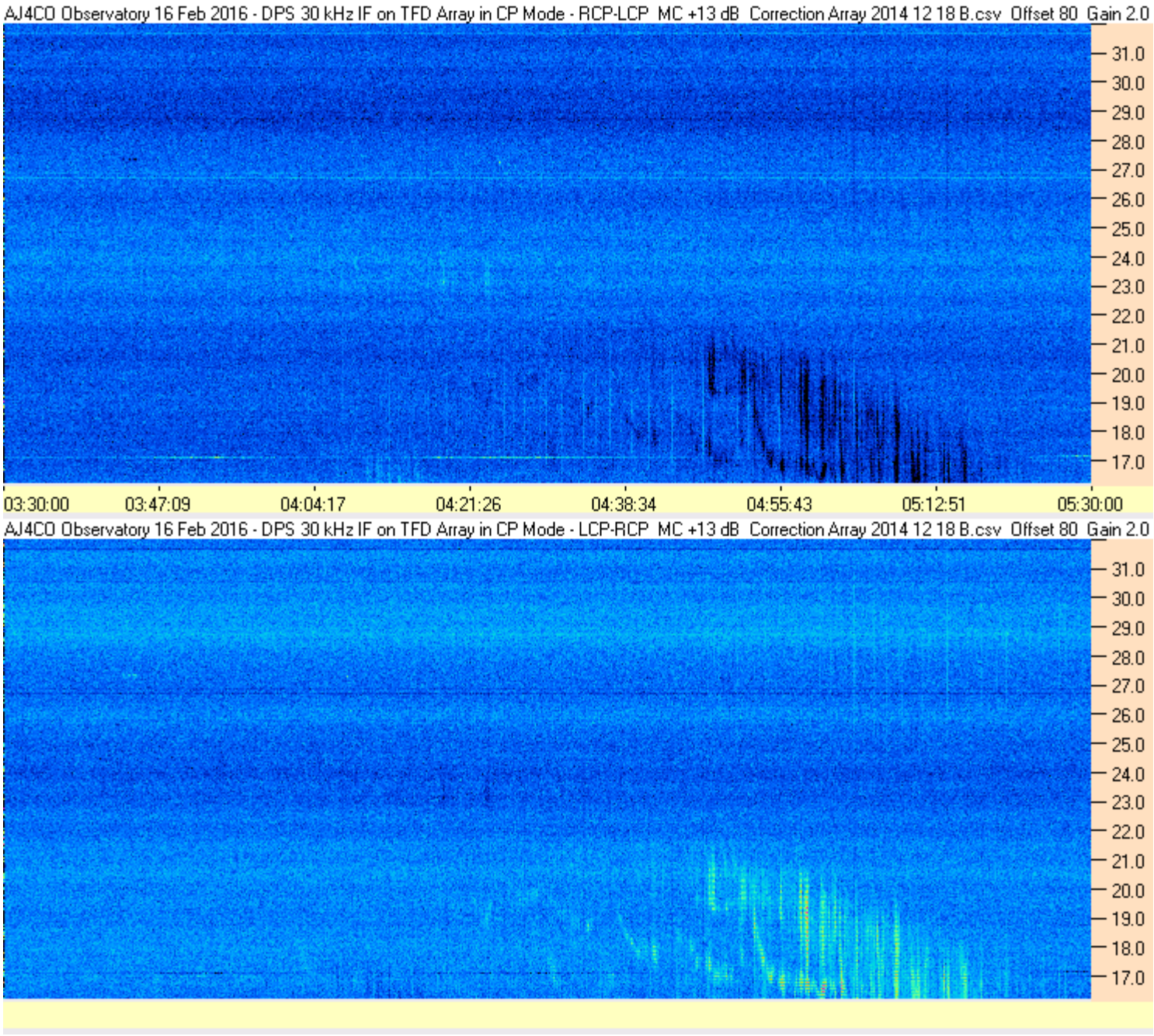
AJ4CO Observatory 16 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - RCP-LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 80 Gain 2.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
03:30:00
03:47:09
04:04:17
04:21:26
04:38:34
04:55:43
05:12:51
05:30:00
AJ4CO Observatory 16 Feb 2016 - DPS 30 kHz IF on TFD Array in CP Mode - LCP-RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 80 Gain 2.0
31.0
30.0
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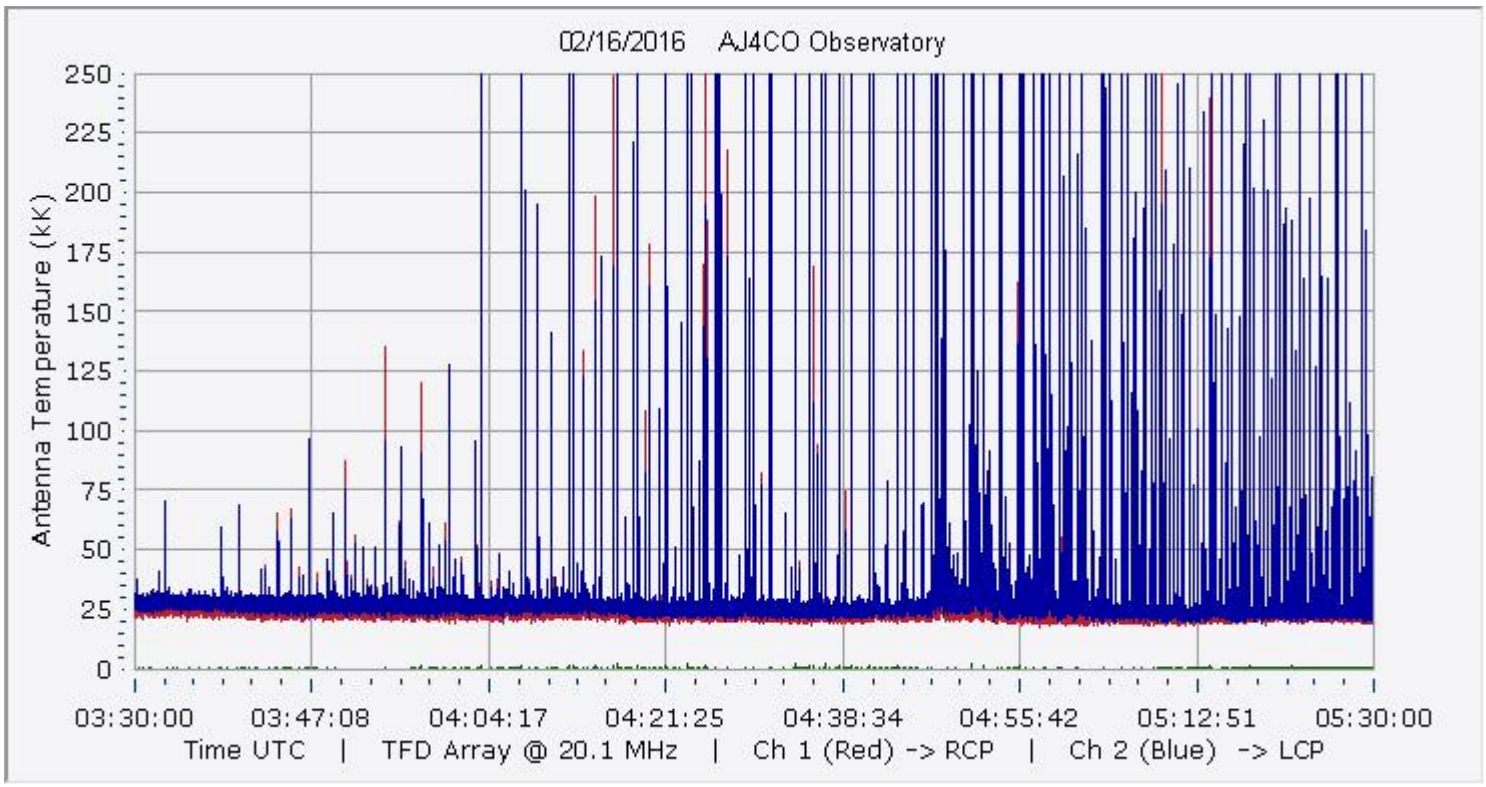
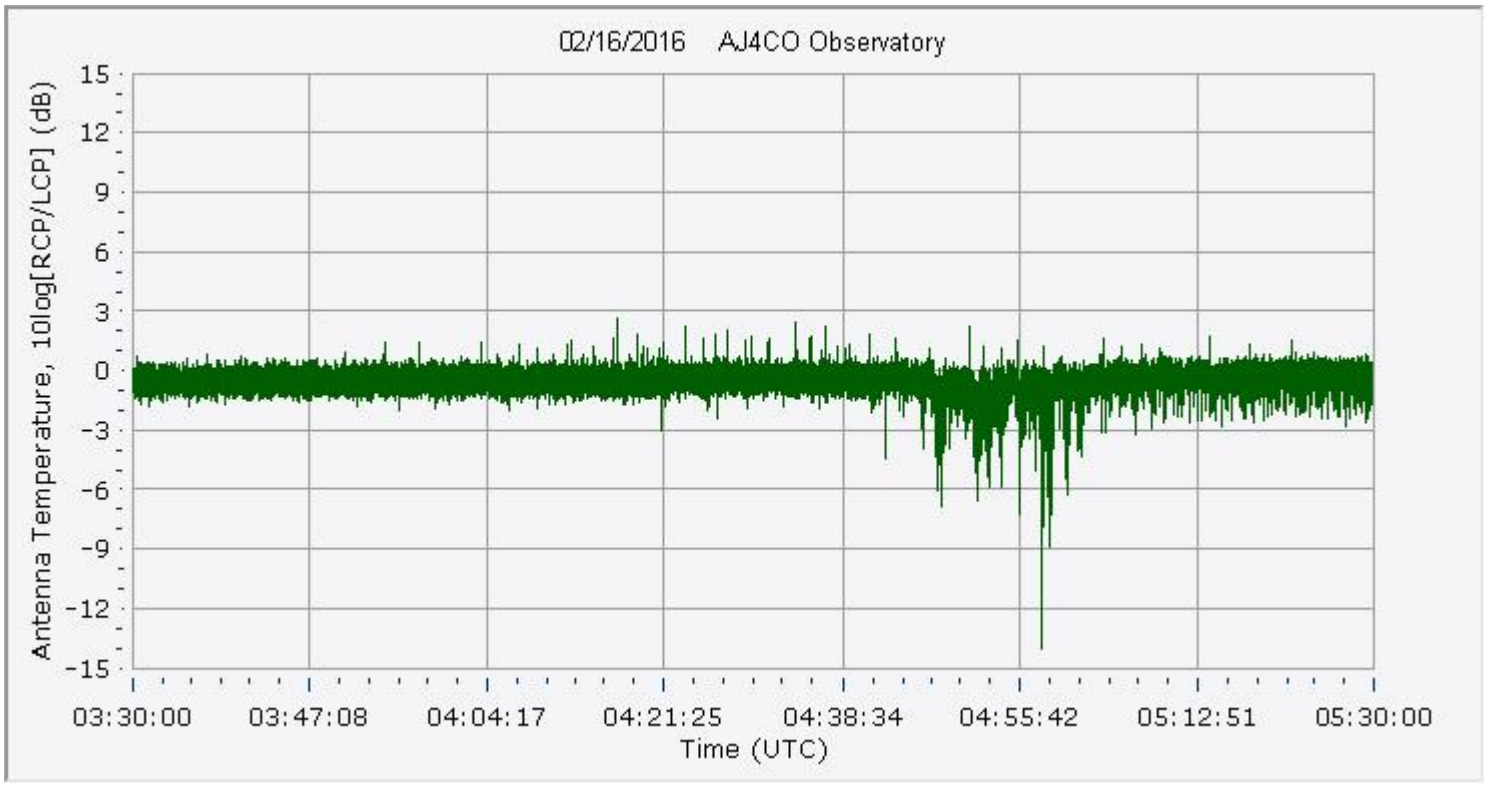

02/16/2016 AJ4CO Observatory
Antenna Temperature (kK)
250
225
200
175
150
125
100
75
50
25
0
03:30:00
03:47:08
04:04:17
04:21:25
04:38:34
04:55:42
05:12:51
05:30:00
Time UTC | TFD Array @ 20.1 MHz | Ch 1 (Red) -> RCP | Ch 2 (Blue) -> LCP


02/16/2016 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
03:30:00
03:47:08
04:04:17
04:21:25
04:38:34
04:55:42
05:12:51
05:30:00
Time (UTC)