Subject: [radiojove-data] 18 Jun 2015 Solar Type IV
From: Dave Typinski <davetyp@typnet.net>
Date: 06/20/2015 22:06
To: RadioJove-Data <radiojove-data@lists.nasa.gov>

Adding to Wes's nice solar report, here's some really long duration Type IV (smooth continuum bursting) according to NOAA. The definition of "smooth" apparently depends on the time scale, because this sure doesn't look smooth on a scale of hours.

Interesting polarization oscillation and RCP dominance after 1800 UTC, especially above 22 MHz. Have no idea what that indicates. But there it is.
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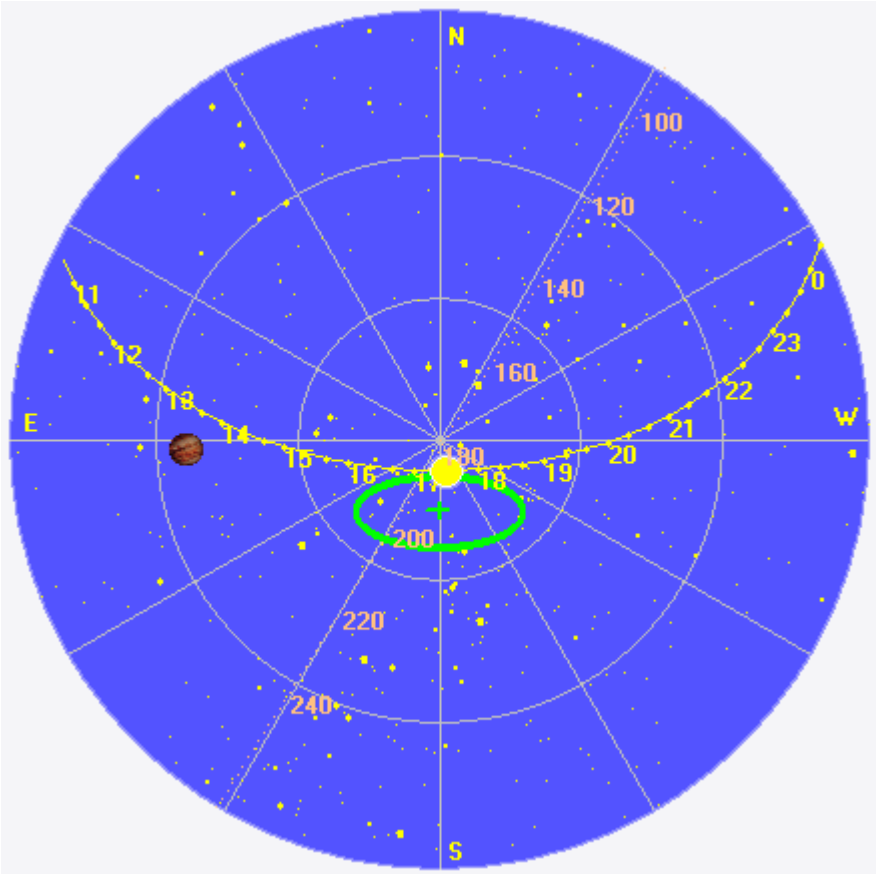
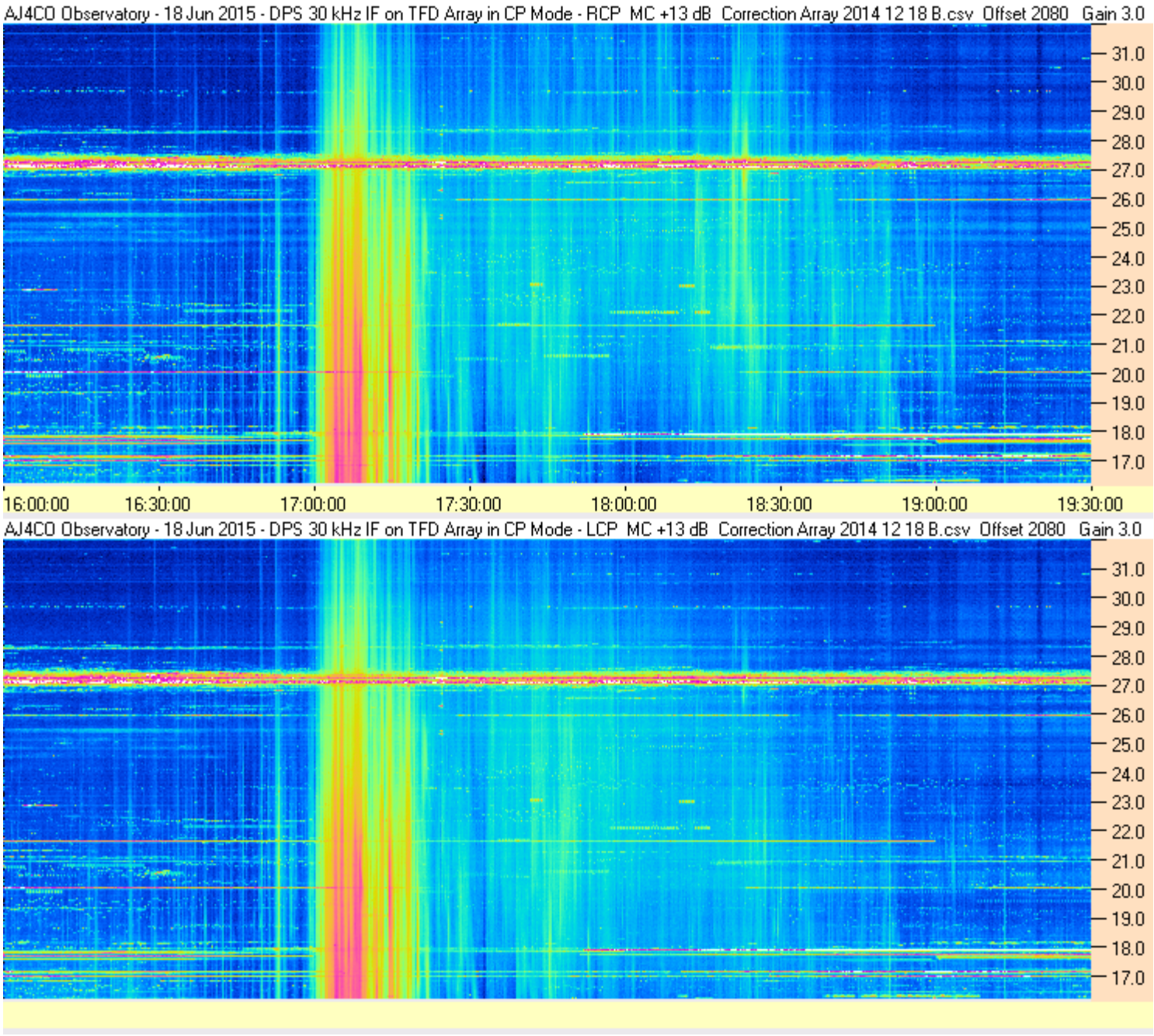
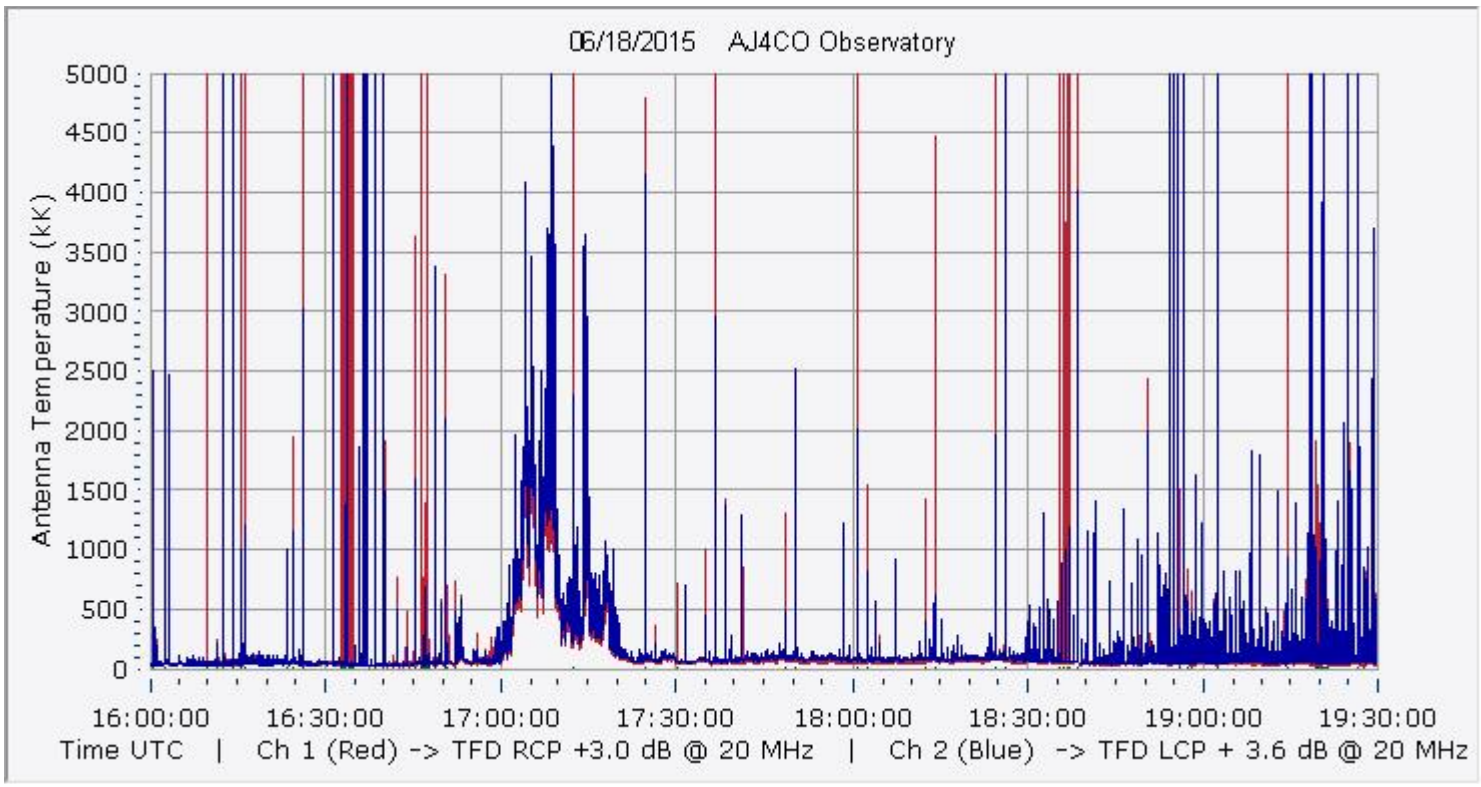
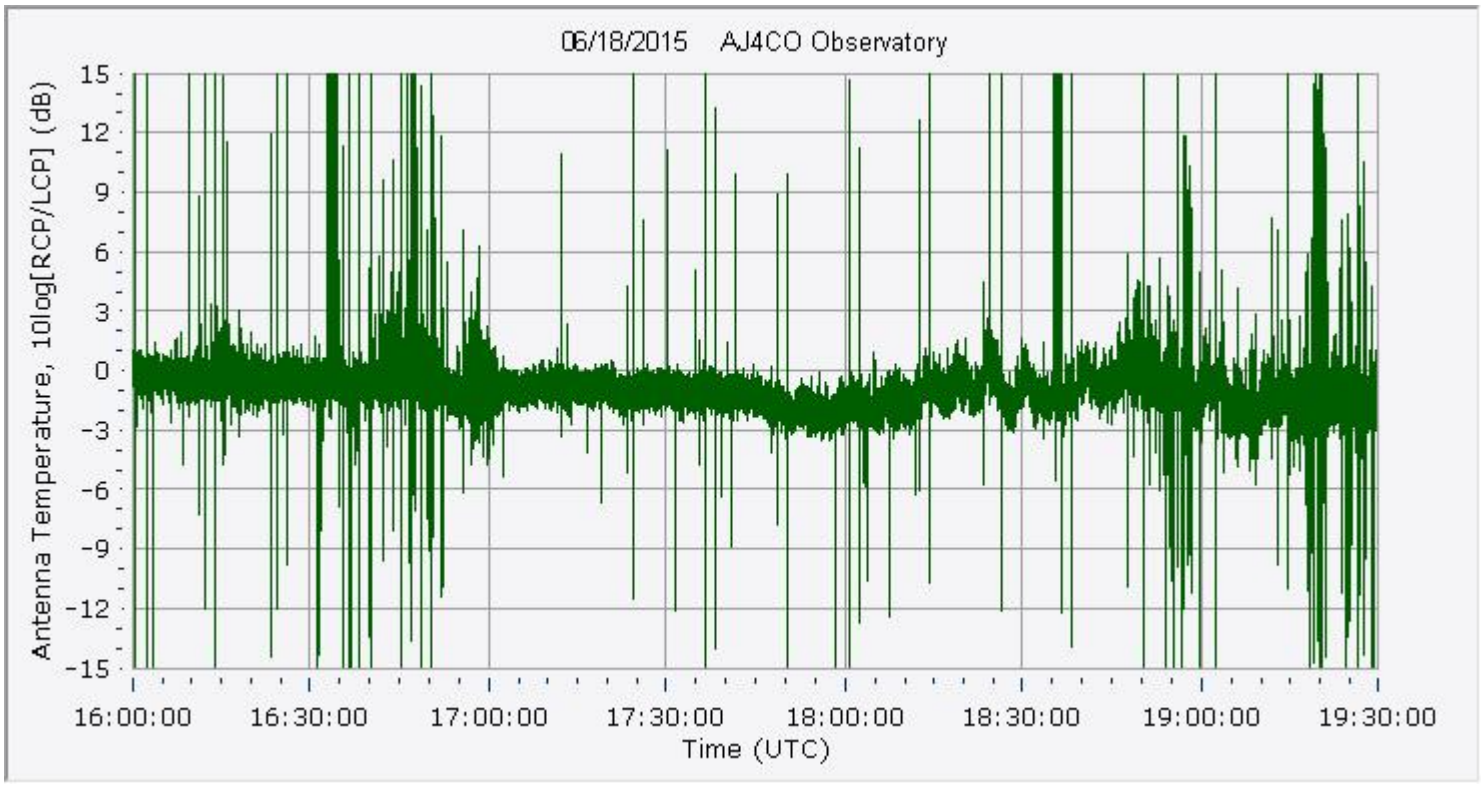
Dave

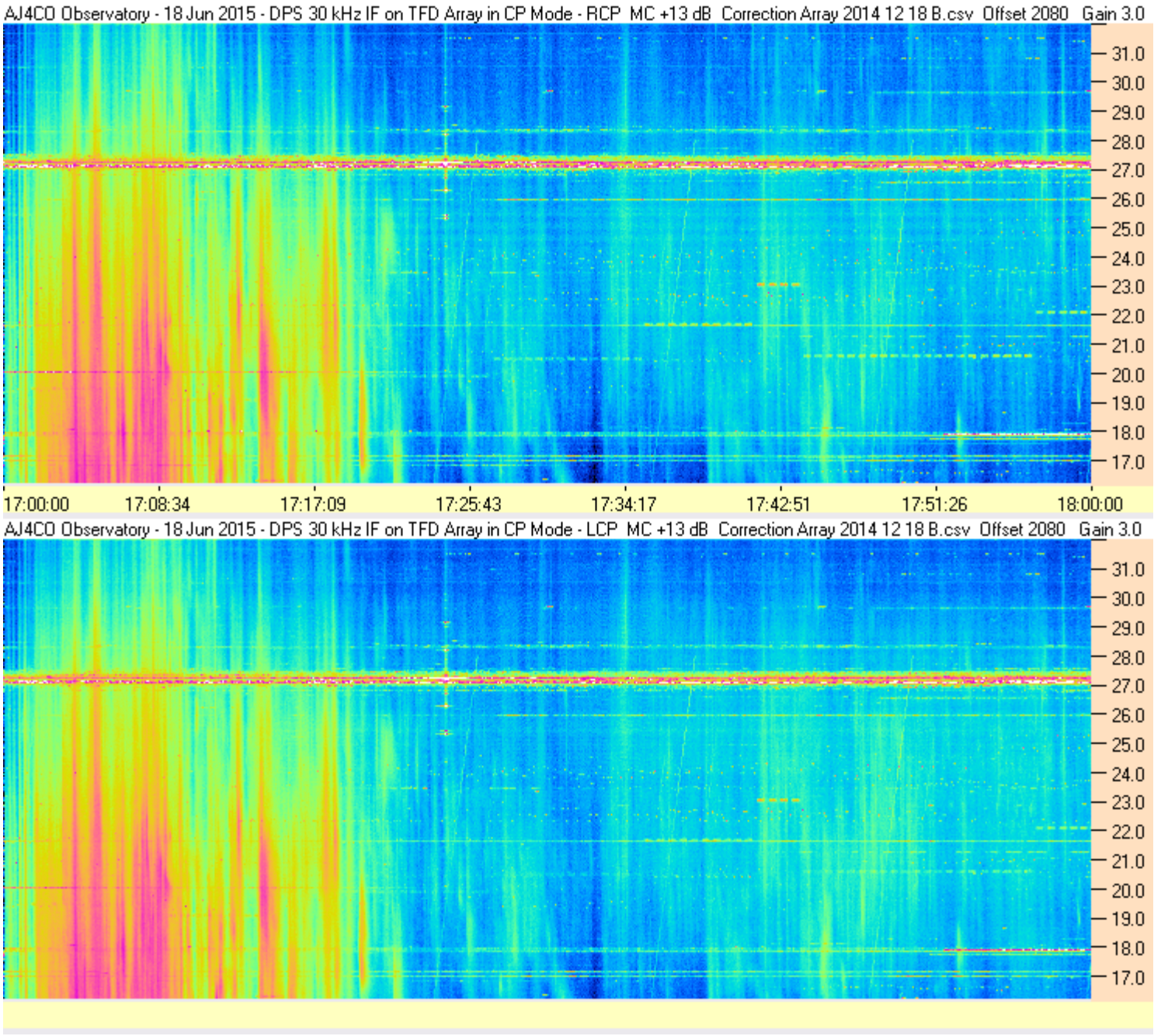
AJ4CO Observatory 18 Jun 2015

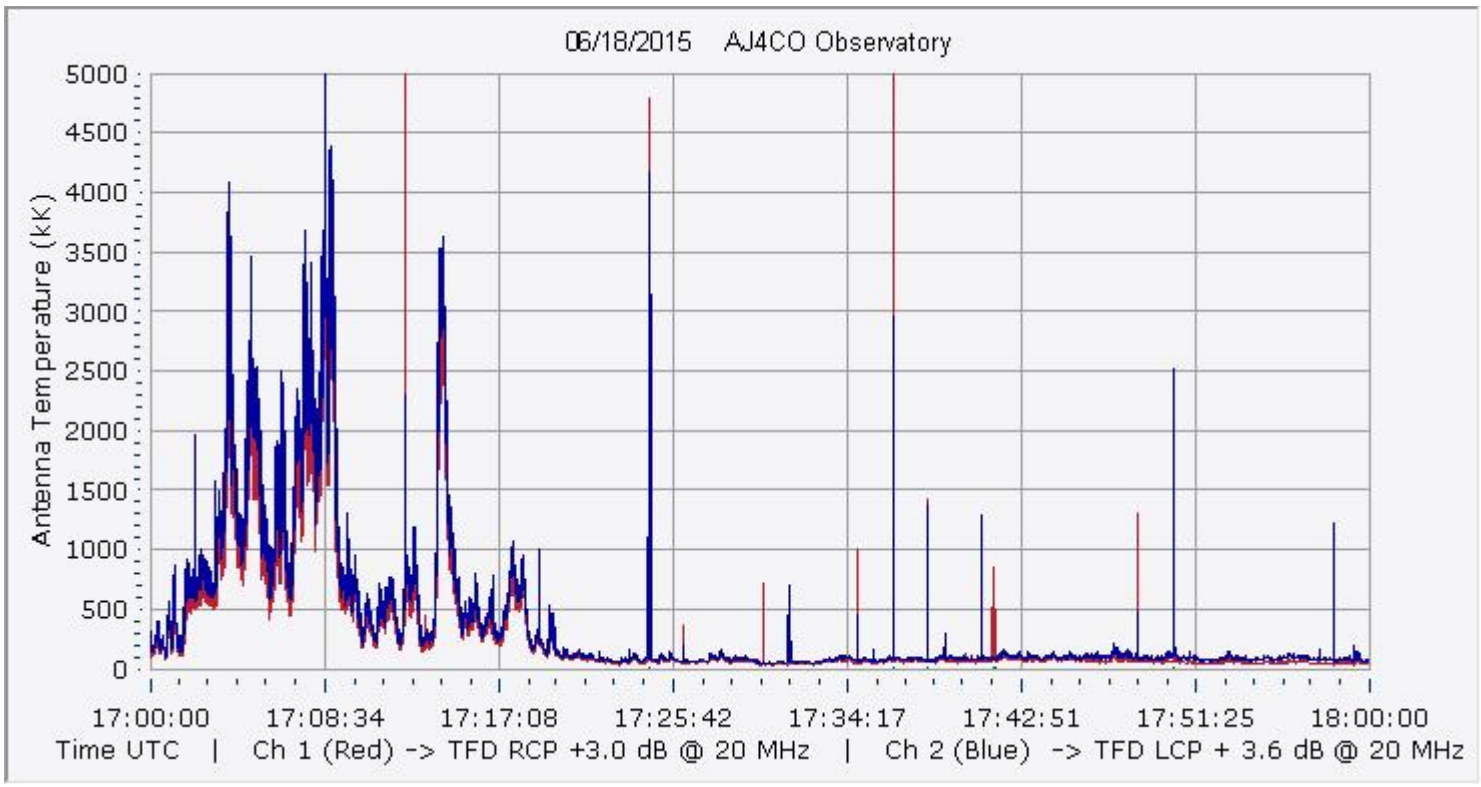


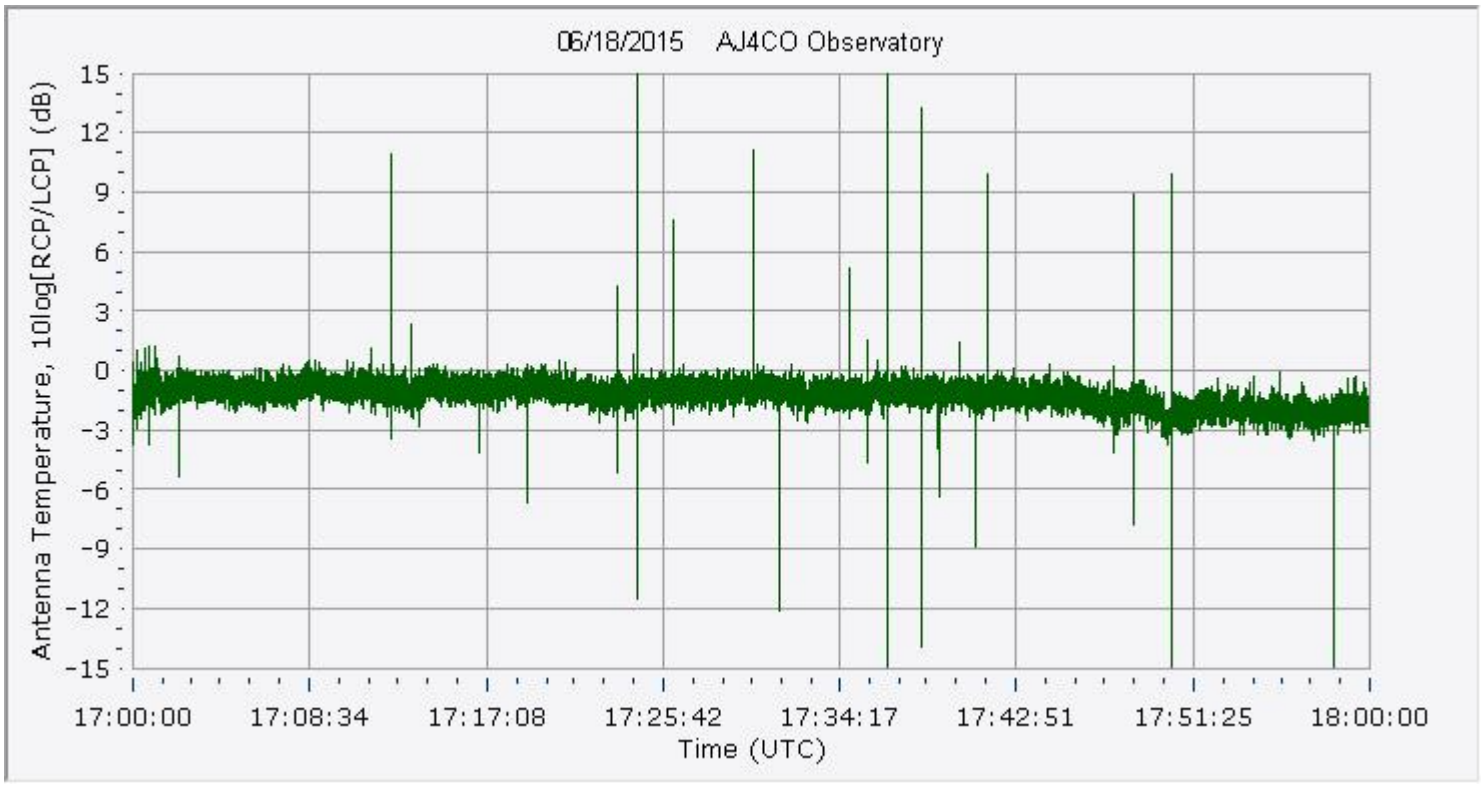

AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
16:00:00
16:30:00
17:00:00
17:30:00
18:00:00
18:30:00
19:00:00
19:30:00
AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
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

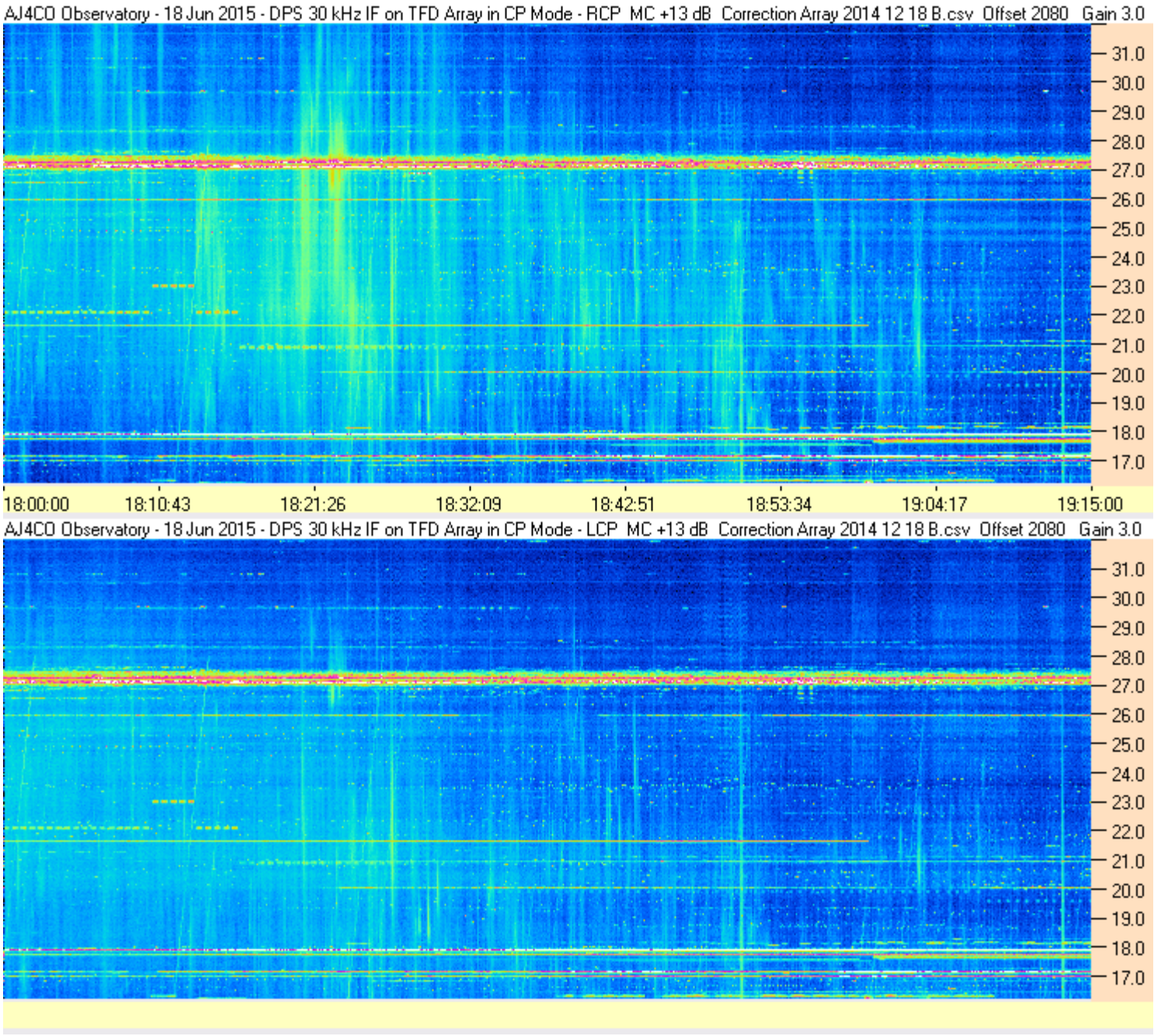

06/18/2015 AJ4CO Observatory
Antenna Temperature (kK)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
16:00:00
16:30:00
17:00:00
17:30:00
18:00:00
18:30:00
19:00:00
19:30:00
Time UTC | Ch 1 (Red) -> TFD RCP +3.0 dB @ 20 MHz | Ch 2 (Blue) -> TFD LCP + 3.6 dB @ 20 MHz

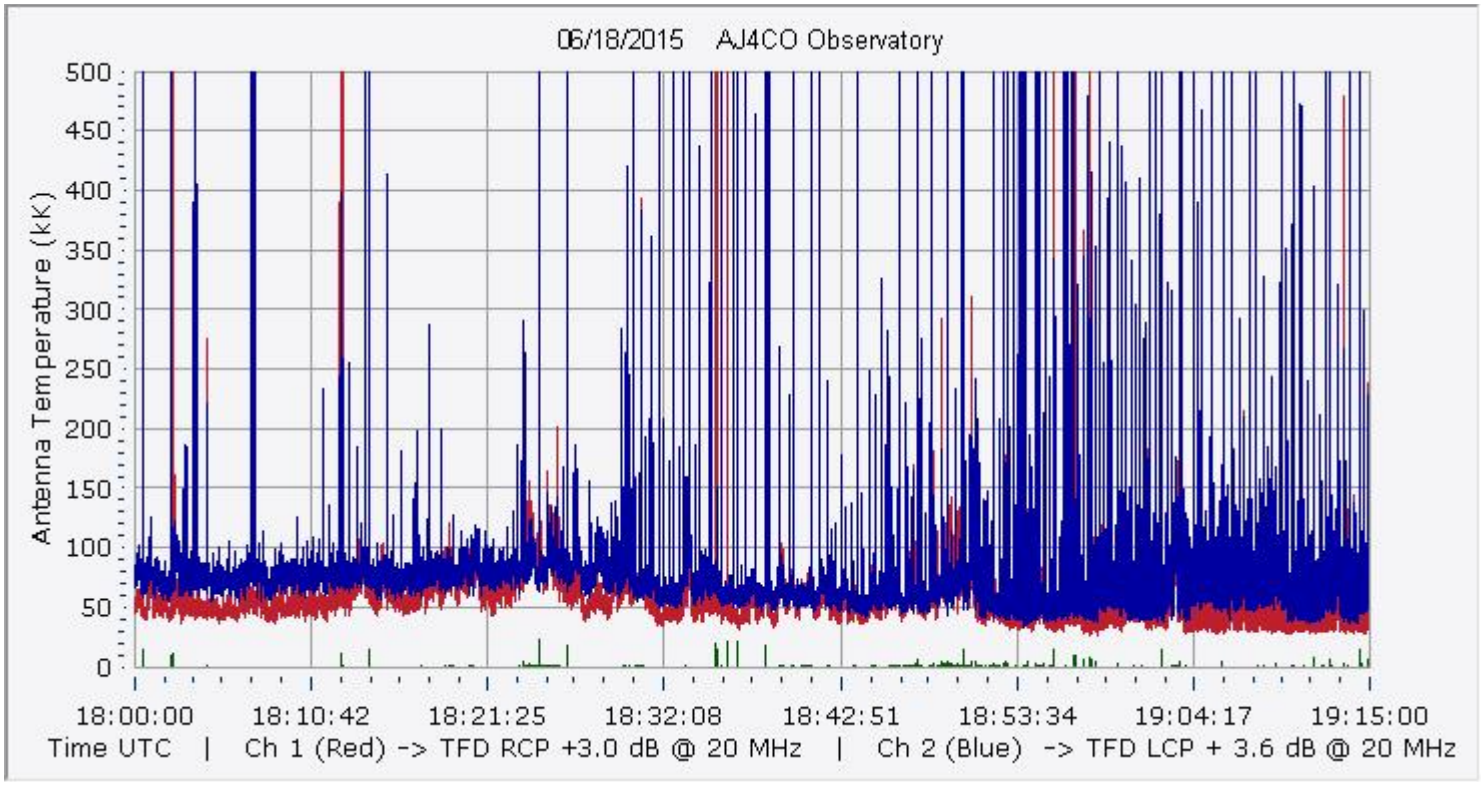

06/18/2015 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
16:00:00
16:30:00
17:00:00
17:30:00
18:00:00
18:30:00
19:00:00
19:30:00
Time (UTC)

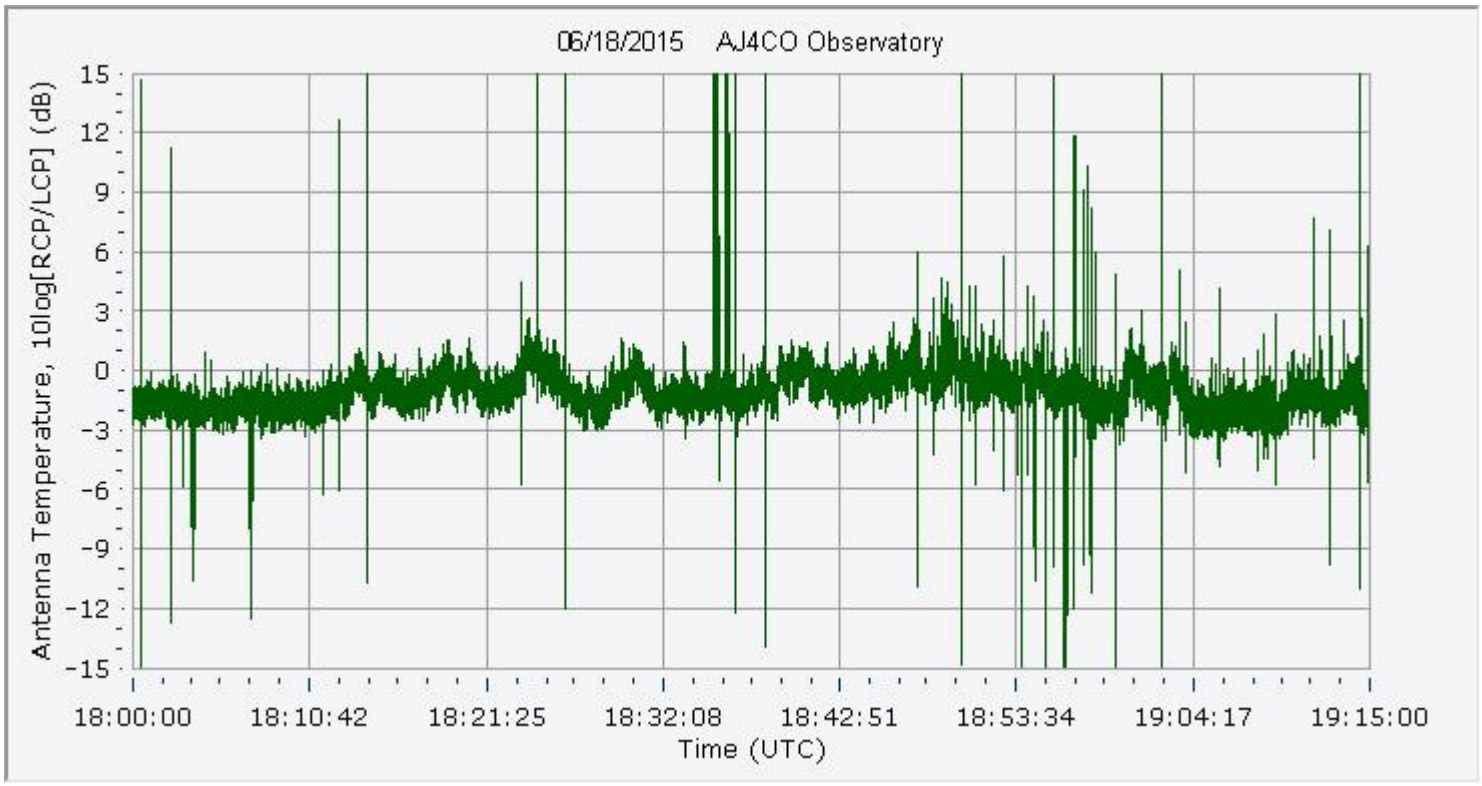

AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
31.0
30.0
29.0
28.0
27.0
26.0
25.0
24.0
23.0
22.0
21.0
20.0
19.0
18.0
17.0
17:00:00
17:08:34
17:17:09
17:25:43
17:34:17
17:42:51
17:51:26
18:00:00
AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
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


06/18/2015 AJ4CO Observatory
Antenna Temperature (kK)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
17:00:00
17:08:34
17:17:08
17:25:42
17:34:17
17:42:51
17:51:25
18:00:00
Time UTC | Ch 1 (Red) -> TFD RCP +3.0 dB @ 20 MHz | Ch 2 (Blue) -> TFD LCP + 3.6 dB @ 20 MHz


06/18/2015 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
17:00:00
17:08:34
17:17:08
17:25:42
17:34:17
17:42:51
17:51:25
18:00:00
Time (UTC)


AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - RCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
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
18:00:00
18:10:43
18:21:26
18:32:09
18:42:51
18:53:34
19:04:17
19:15:00
AJ4CO Observatory - 18 Jun 2015 - DPS 30 kHz IF on TFD Array in CP Mode - LCP MC +13 dB Correction Array 2014 12 18 B.csv Offset 2080 Gain 3.0
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


06/18/2015 AJ4CO Observatory
Antenna Temperature (kK)
500
450
400
350
300
250
200
150
100
50
0
18:00:00
18:10:42
18:21:25
18:32:08
18:42:51
18:53:34
19:04:17
19:15:00
Time UTC | Ch 1 (Red) -> TFD RCP +3.0 dB @ 20 MHz | Ch 2 (Blue) -> TFD LCP + 3.6 dB @ 20 MHz


06/18/2015 AJ4CO Observatory
Antenna Temperature, 10log[RCP/LCP] (dB)
15
12
9
6
3
0
-3
-6
-9
-12
-15
18:00:00
18:10:42
18:21:25
18:32:08
18:42:51
18:53:34
19:04:17
19:15:00
Time (UTC)