PRELIMINARY REPORT OF 070428

last update on Sat Apr 28 20:08:17 GMT 2007

1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2007-04-27 00:00:00 to 2007-04-28 20:08:17

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	28	54	11	1	37
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	28	54	11	1	37
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	28	54	11	1	37
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	28	54	11	1	37

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	36	43	22	10	37
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	36	43	22	10	37
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	36	43	22	10	37
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	43	22	10	37

2.3 - Browse Visual Inspection

2.4 - Data Analysis

-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20070427 063523
H	20070428 060346

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.083118	0.147173	-0.150592
7	P1a	-17.549809	0.103819	-0.066560
11	P1a	-17.482264	0.347540	-0.718228
15	P1a	-12.992001	0.119825	-0.336888
19	P1a	-15.330709	0.069405	-0.334647
22	P1a	-15.902883	0.416553	-0.376486
26	P1a	-15.031068	0.212865	0.439333
30	P1a	-17.685144	0.333093	-0.614024

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.766961	0.010725	-0.043430
7	P1	-3.146199	0.008867	-0.004604
11	P1	-4.208555	0.012257	-0.013246
15	P1	-6.404510	0.019439	-0.123709
19	P1	-3.784582	0.010735	0.045723
22	P1	-4.748015	0.009435	-0.033667
26	P1	-3.919324	0.019442	0.089637
30	P1	-5.967487	0.009438	0.023929

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.661118	0.090148	-0.019901
7	P2	-21.562473	0.087921	0.114295
11	P2	-15.357841	0.116048	0.211952
15	P2	-7.125330	0.088451	-0.016120
19	P2	-9.116276	0.079911	0.029512
22	P2	-18.085611	0.076806	0.020276
26	P2	-16.616117	0.081341	-0.054797
30	P2	-19.277868	0.082201	0.052065

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.244213	0.005412	-0.001885
7	P3	-8.244213	0.005412	-0.001885
11	P3	-8.244213	0.005412	-0.001885
15	P3	-8.244213	0.005412	-0.001885
19	P3	-8.244213	0.005412	-0.001885
22	P3	-8.244213	0.005412	-0.001885
26	P3	-8.244213	0.005412	-0.001885
30	P3	-8.244213	0.005412	-0.001885

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.200523	0.138368	-0.109922
7	P1a	-10.067894	0.214648	-0.015985
11	P1a	-10.687353	0.104399	0.058347
15	P1a	-10.841063	0.170762	0.089533
19	P1a	-15.799449	0.091433	-0.081024
22	P1a	-21.389568	1.442538	-0.577117
26	P1a	-15.504419	0.380911	-0.307838
30	P1a	-18.306339	0.469530	0.299638

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453743	0.055006	-0.012705
7	P1	-2.412277	0.118631	0.039867
11	P1	-2.890559	0.026785	0.062832
15	P1	-3.819676	0.038587	0.051464
19	P1	-3.586567	0.014764	-0.020256
22	P1	-4.973106	0.023656	0.083371
26	P1	-6.035008	0.028334	-0.037426
30	P1	-5.336866	0.033515	-0.018934

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.177736	0.066125	-0.094488
7	P2	-22.038921	0.212754	-0.041084
11	P2	-10.634849	0.045880	-0.033547
15	P2	-4.921494	0.041537	-0.093783
19	P2	-6.869963	0.040278	-0.038937
22	P2	-8.111298	0.097459	0.003662
26	P2	-24.323467	0.157965	-0.046839
30	P2	-21.714172	0.112837	0.041035

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091780	0.004990	-0.010222
7	P3	-8.091760	0.004993	-0.009670
11	P3	-8.091566	0.004990	-0.009942
15	P3	-8.091474	0.004992	-0.010032
19	P3	-8.091671	0.005012	-0.009926
22	P3	-8.091608	0.004975	-0.009759
26	P3	-8.091625	0.004994	-0.009484
30	P3	-8.091538	0.004988	-0.009611

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

☒

4.3.2 - Evolution for GM1

☒

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000544565
	stdev	2.00069e-07
MEAN Q	mean	0.000495178
	stdev	2.42785e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135493
	stdev	0.00122045
STDEV Q	mean	0.135882
	stdev	0.00123784

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007042[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_WSM_1PNPDE20070426_000621_000002022057_00331_26938_7094.N1	0	31
ASA_WSM_1PNPDE20070426_233444_000002632057_00345_26952_8526.N1	0	31
ASA_WSM_1PNPDK20070427_135549_000000852057_00354_26961_5249.N1	0	52
ASA_WSM_1PNPDK20070427_191220_000000852057_00357_26964_5559.N1	0	1
ASA_APM_1PNPDE20070426_011026_000001332057_00332_26939_7224.N1	6	0

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

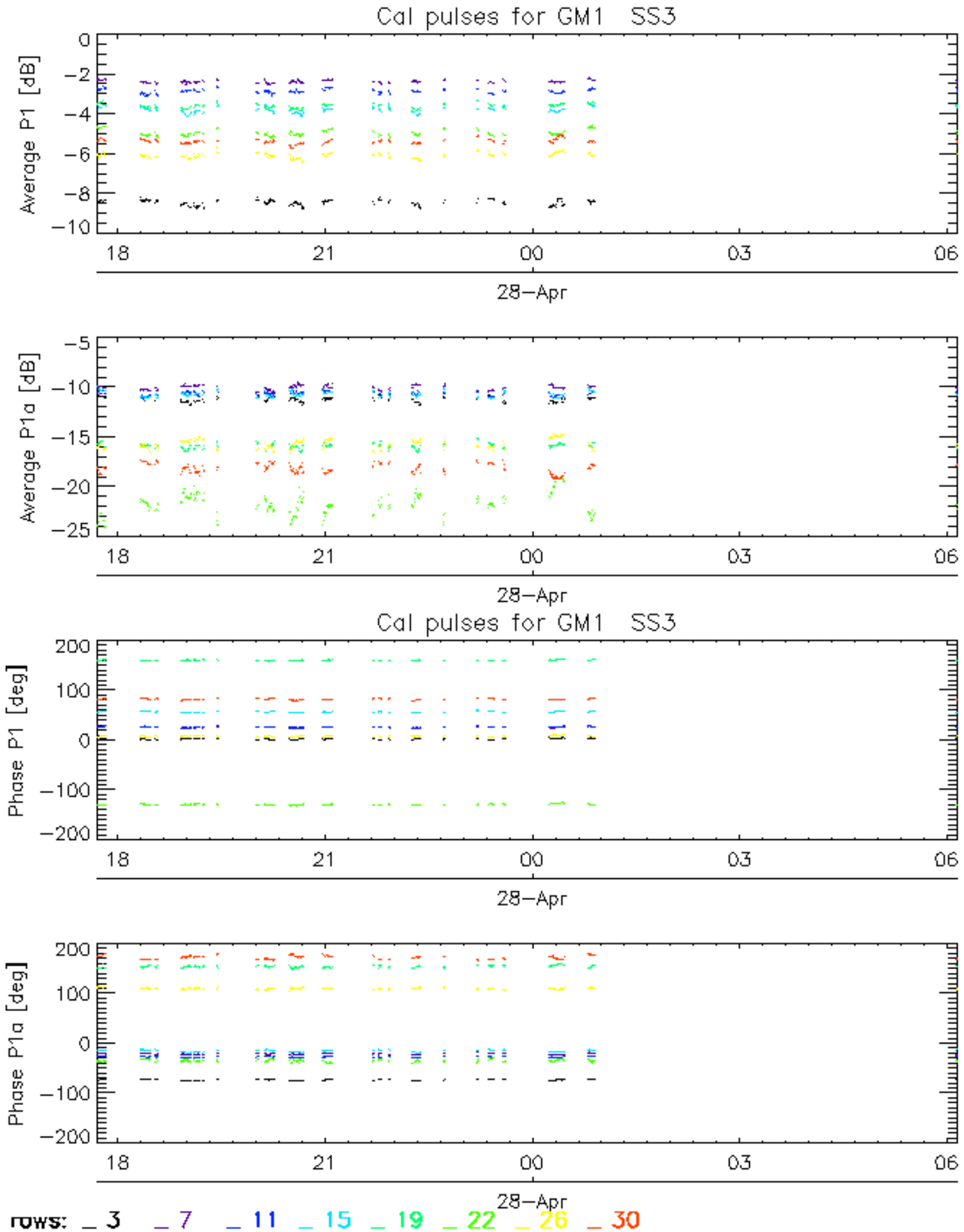

Acsending
☒
Descending

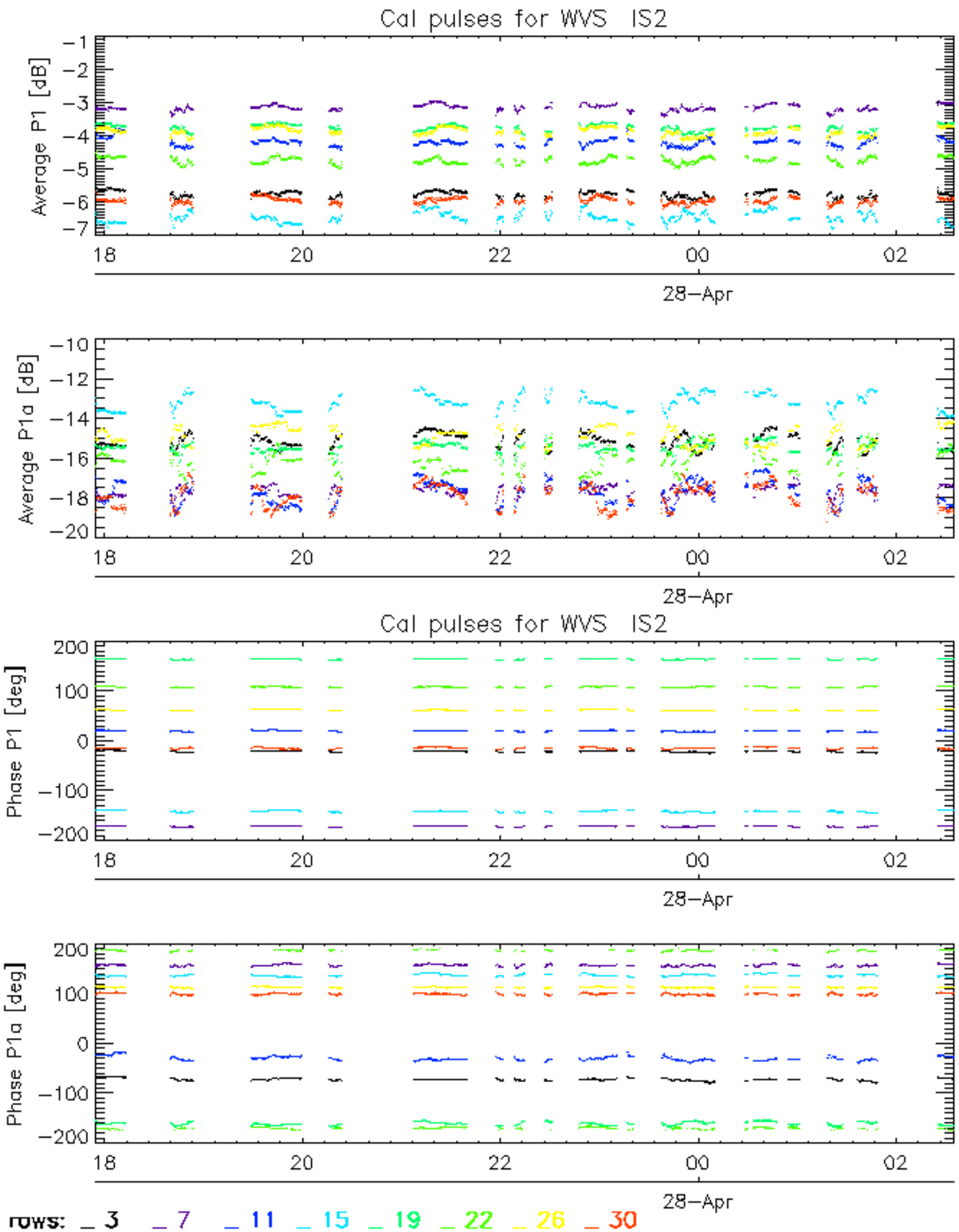
7.5 - Absolute Doppler for GM1

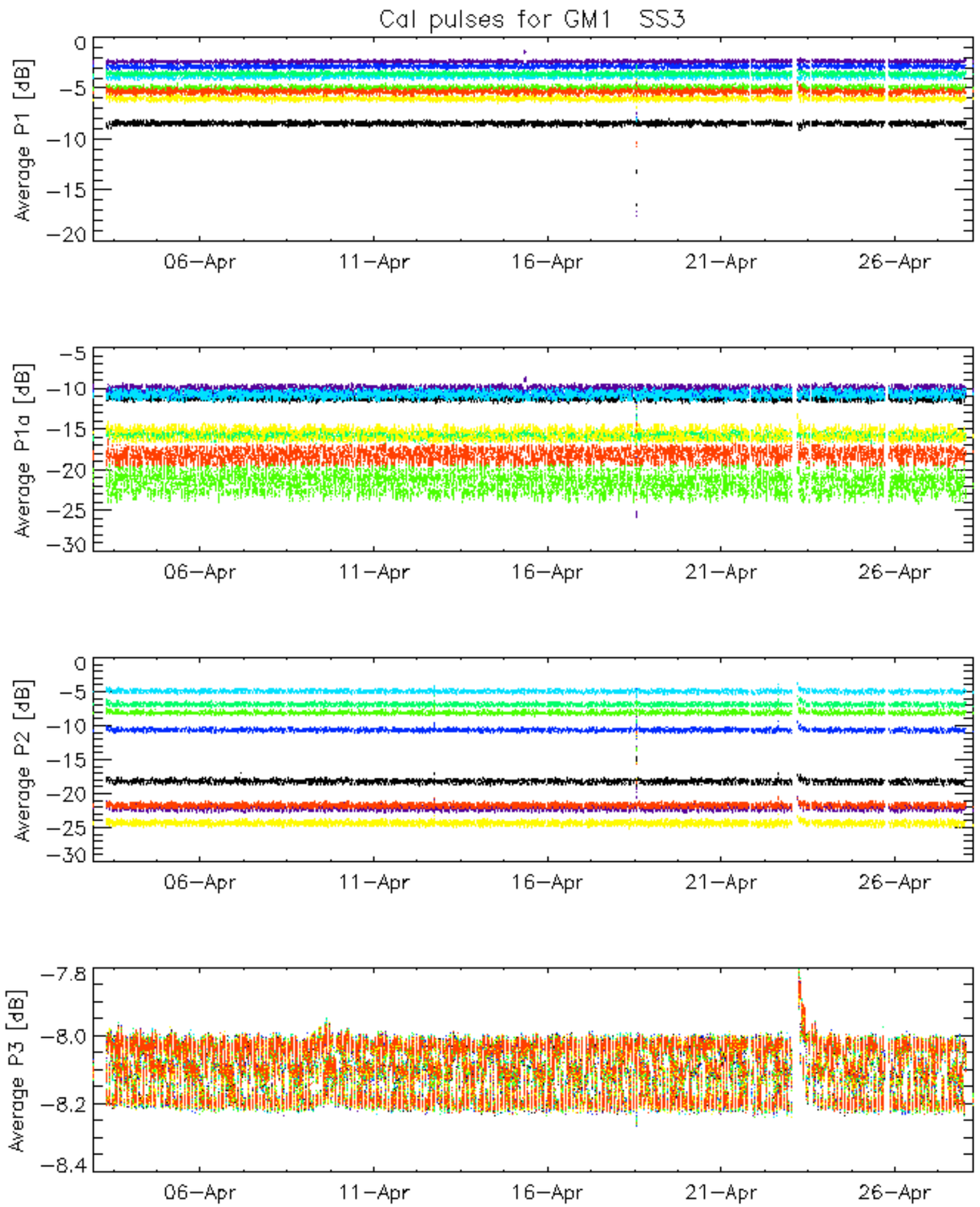
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

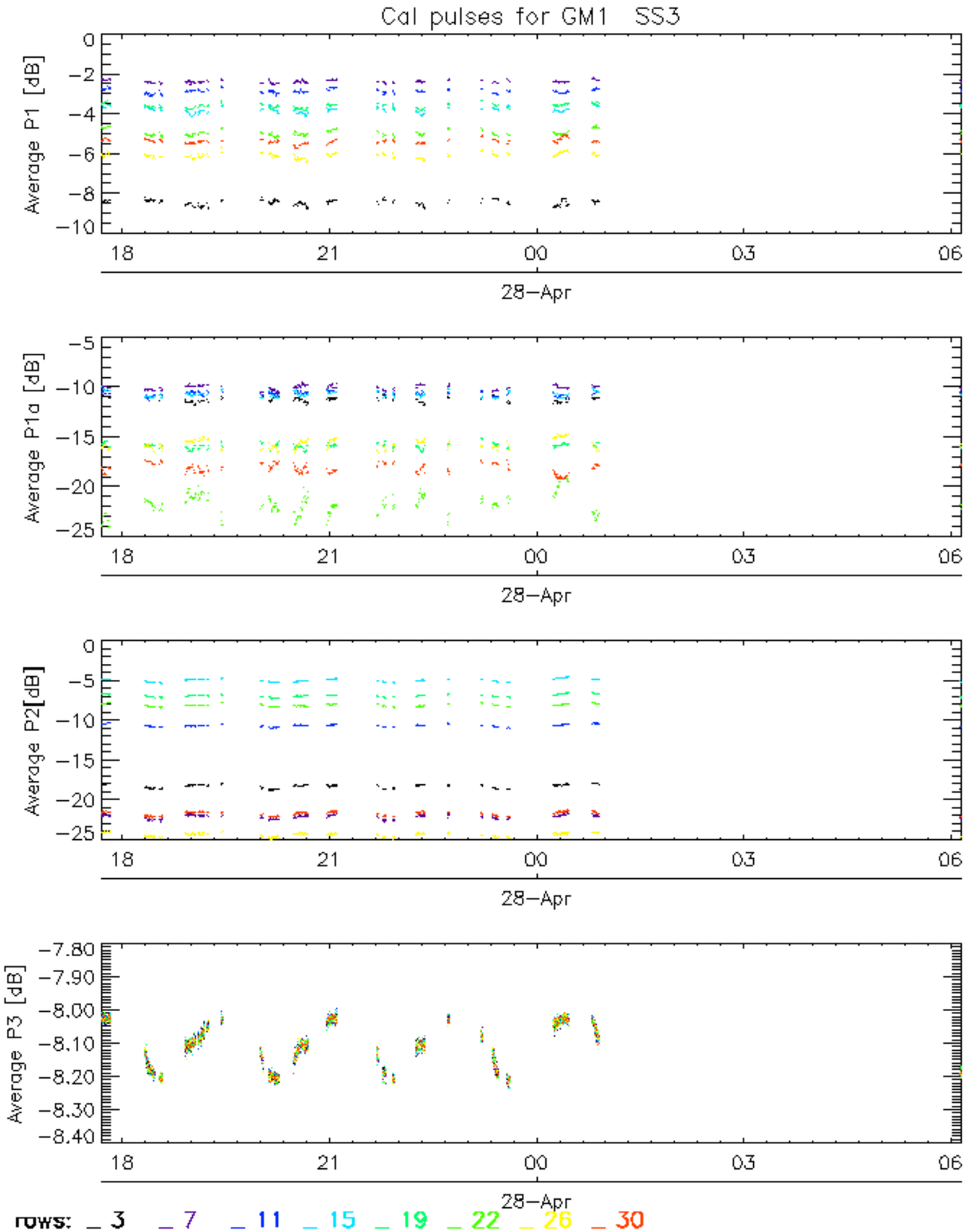
7.6 - Doppler evolution versus ANX for GM1

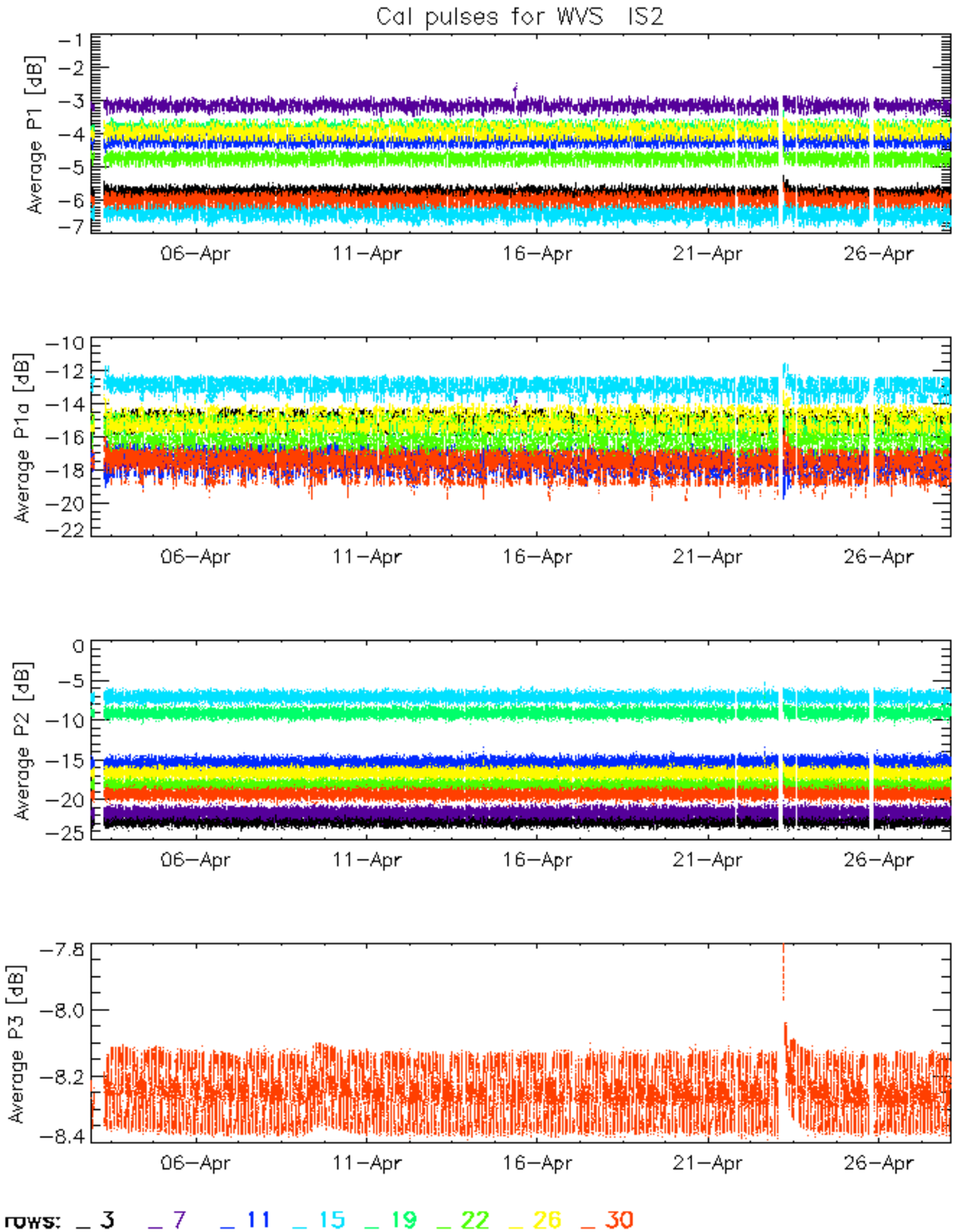
Evolution Doppler error versus ANX
☒

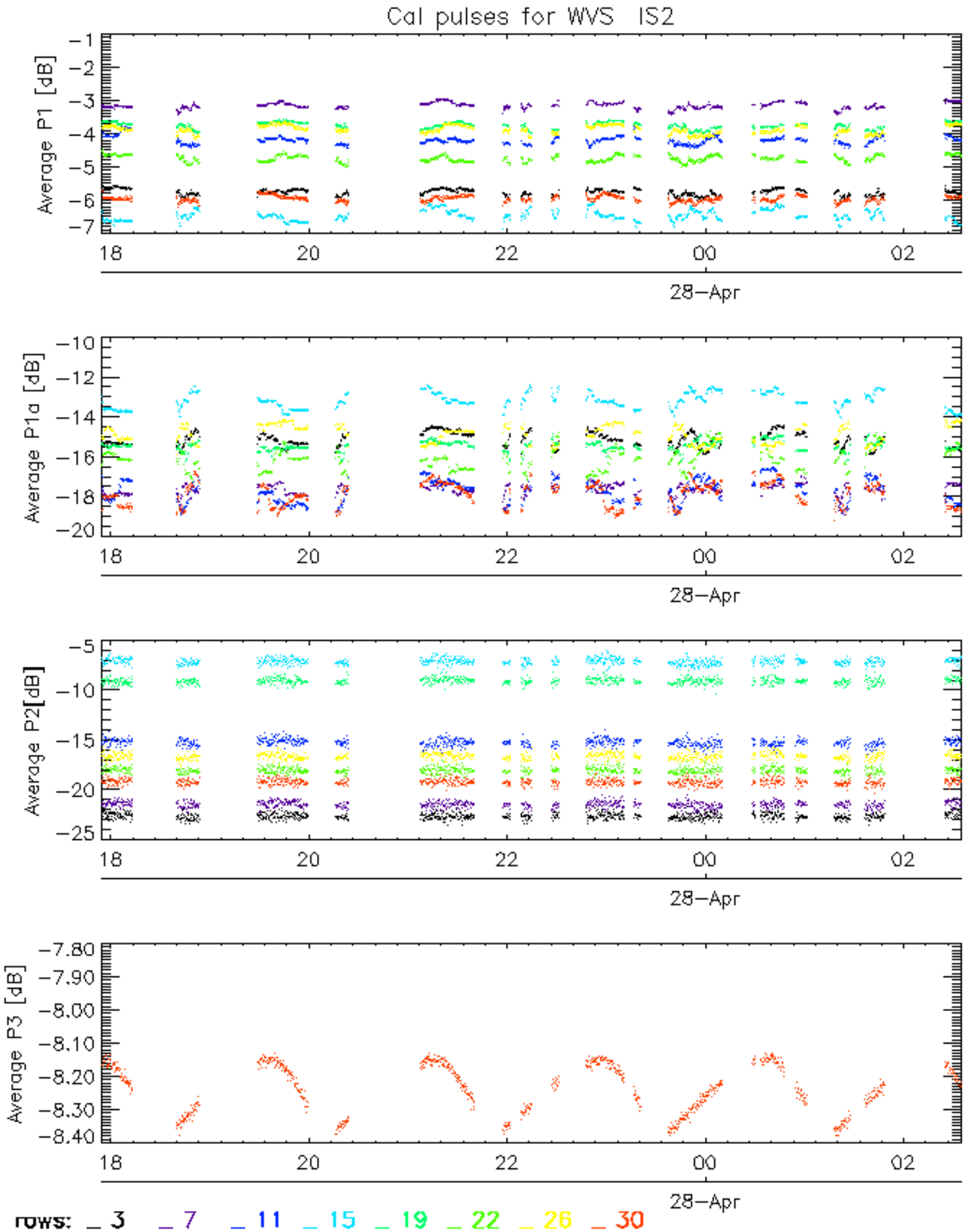

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
28−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
28−Apr
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Apr
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
20
22
00
02
28−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
20
22
00
02
28−Apr
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
20
22
00
02
28−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
20
22
00
02
28−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

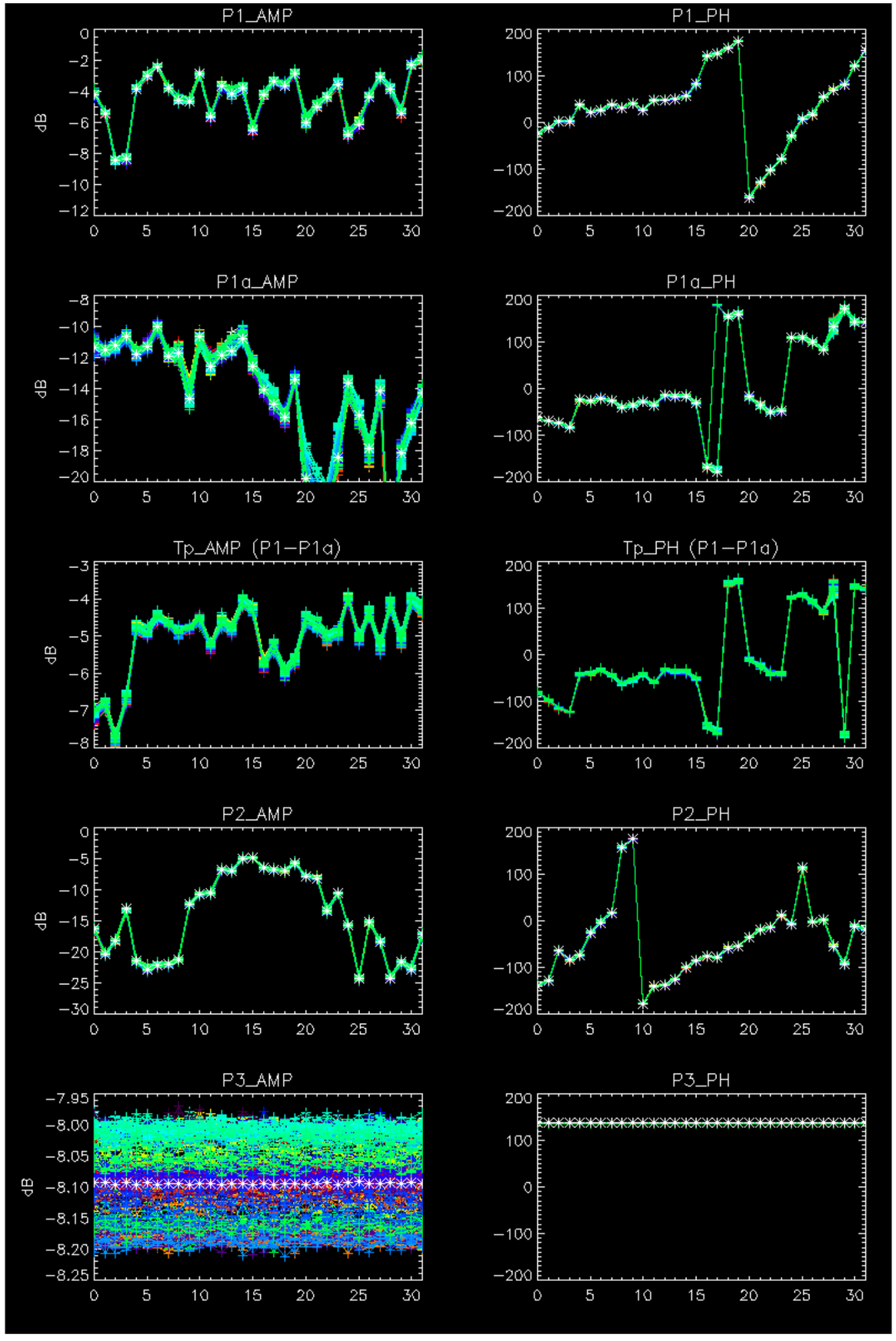

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

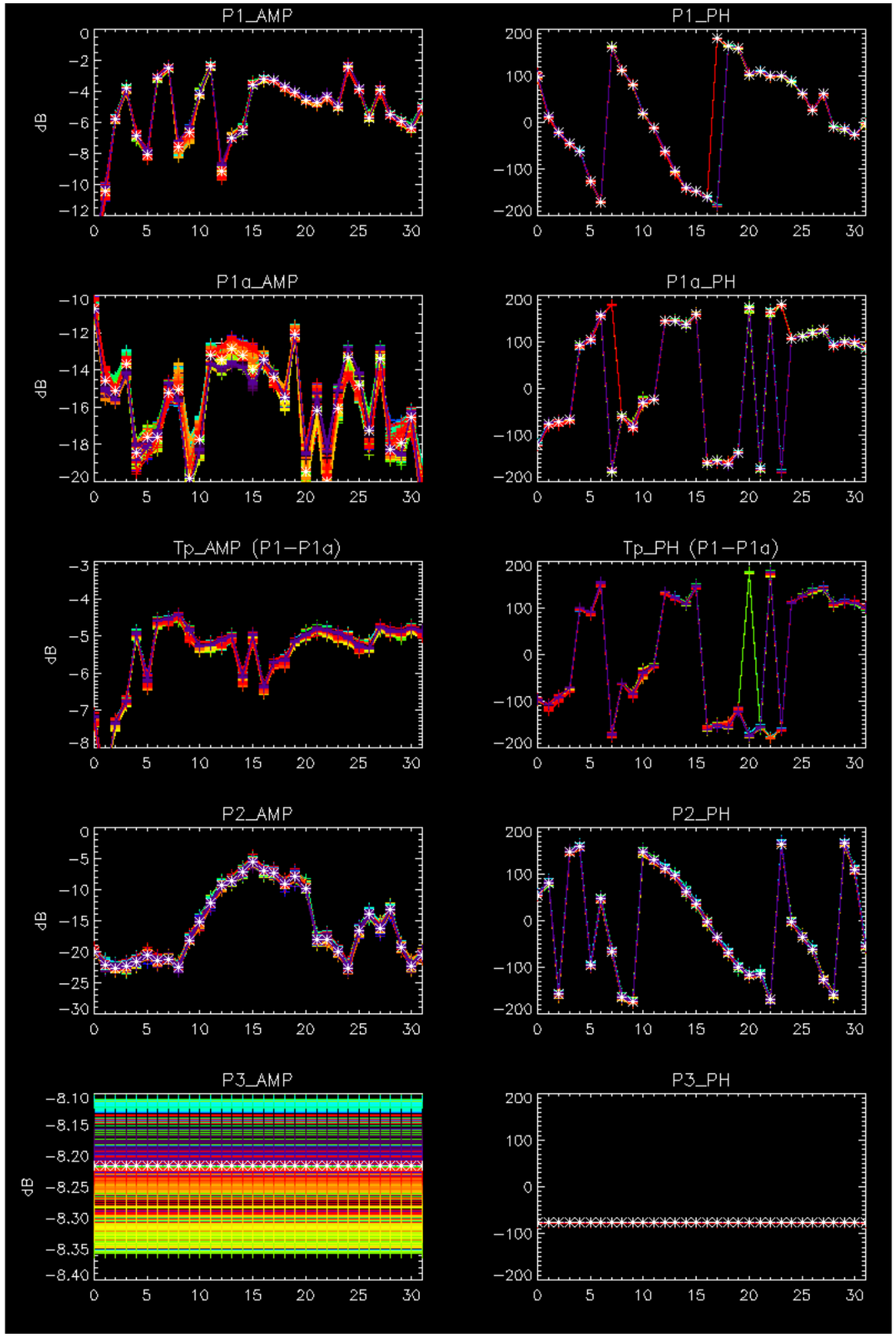

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
28−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
28−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
28−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
28−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
20
22
00
02
28−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
20
22
00
02
28−Apr
Average P2[dB]
−5
−10
−15
−20
−25
18
20
22
00
02
28−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
20
22
00
02
28−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

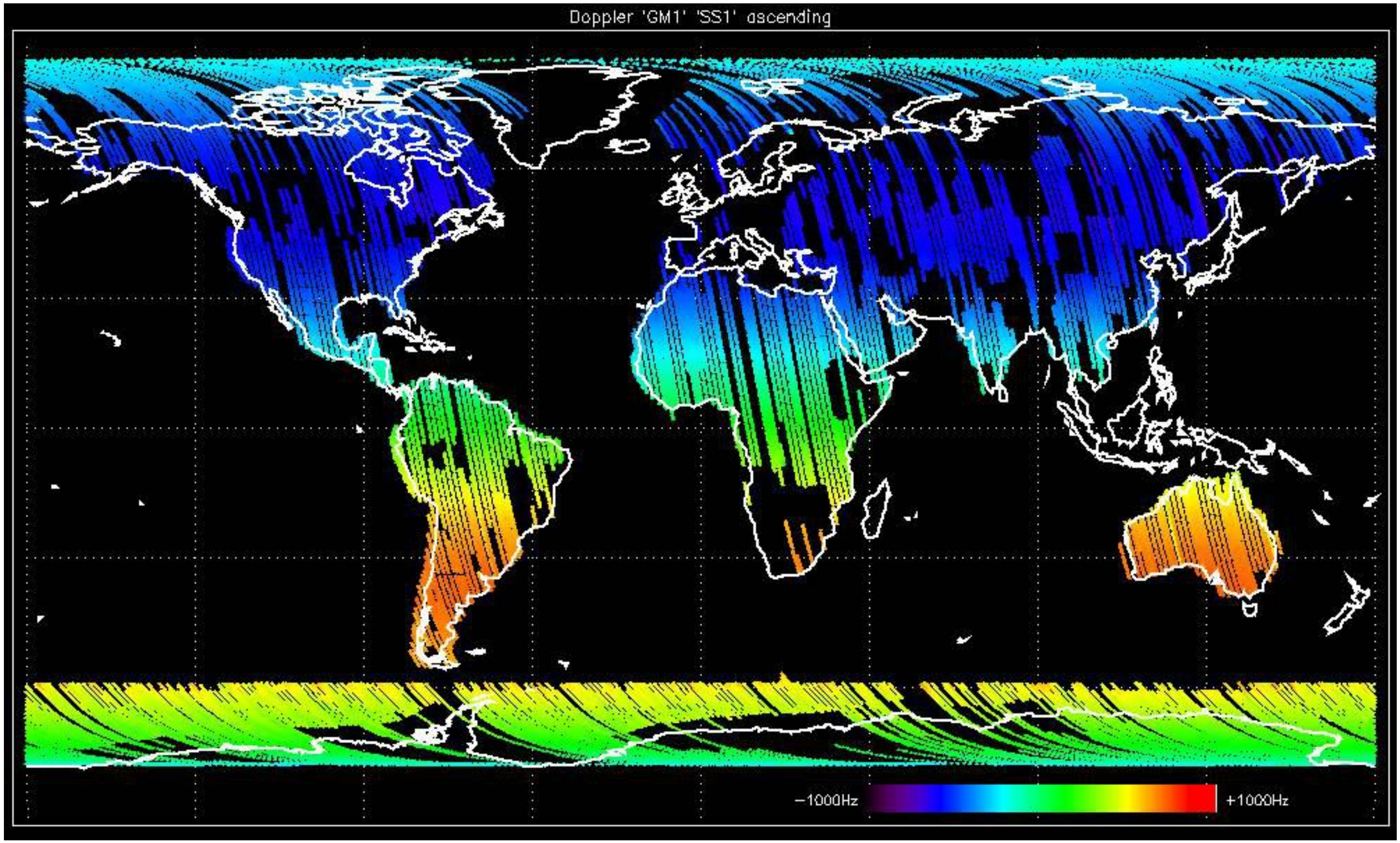
No anomalies observed.

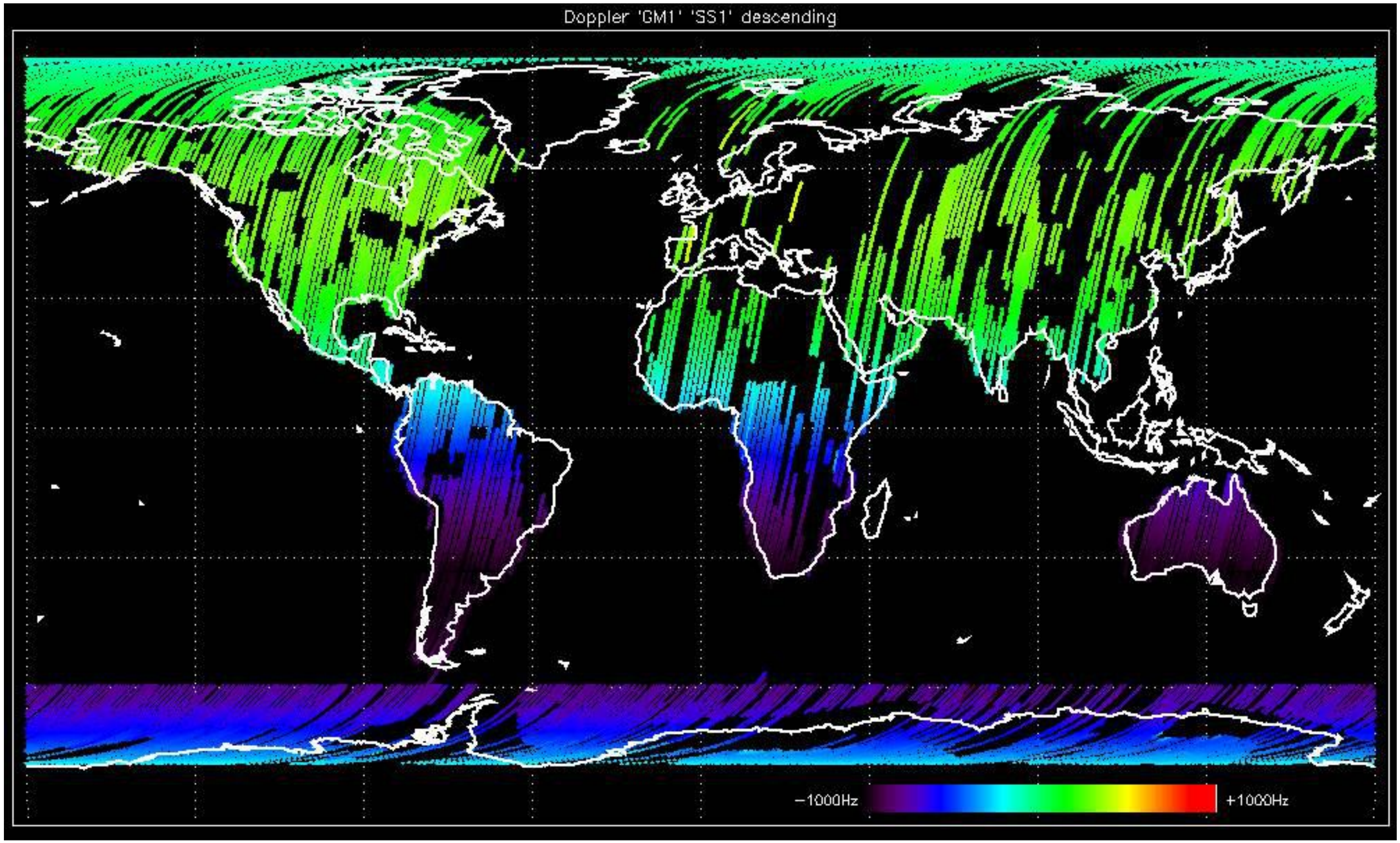

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

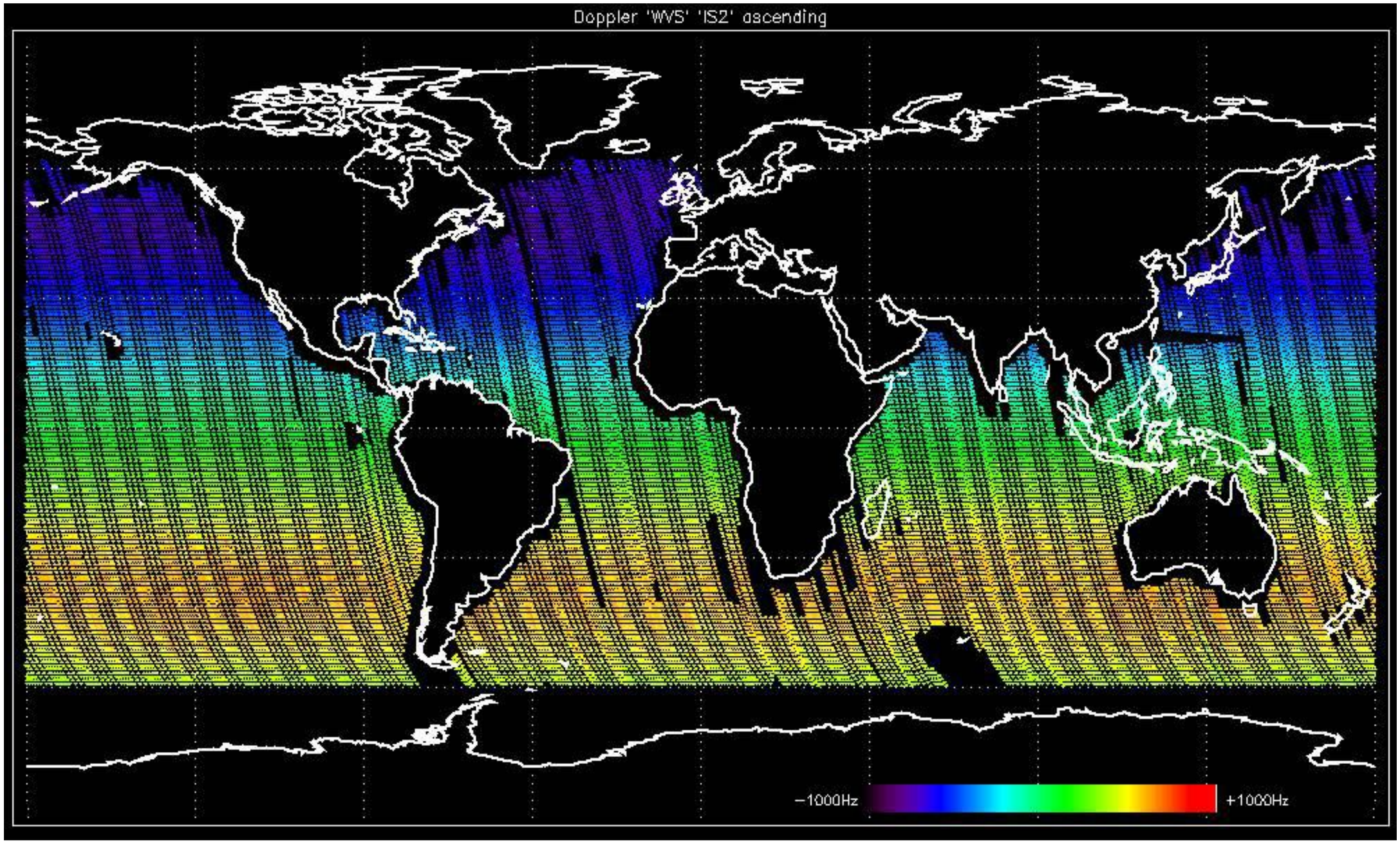

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

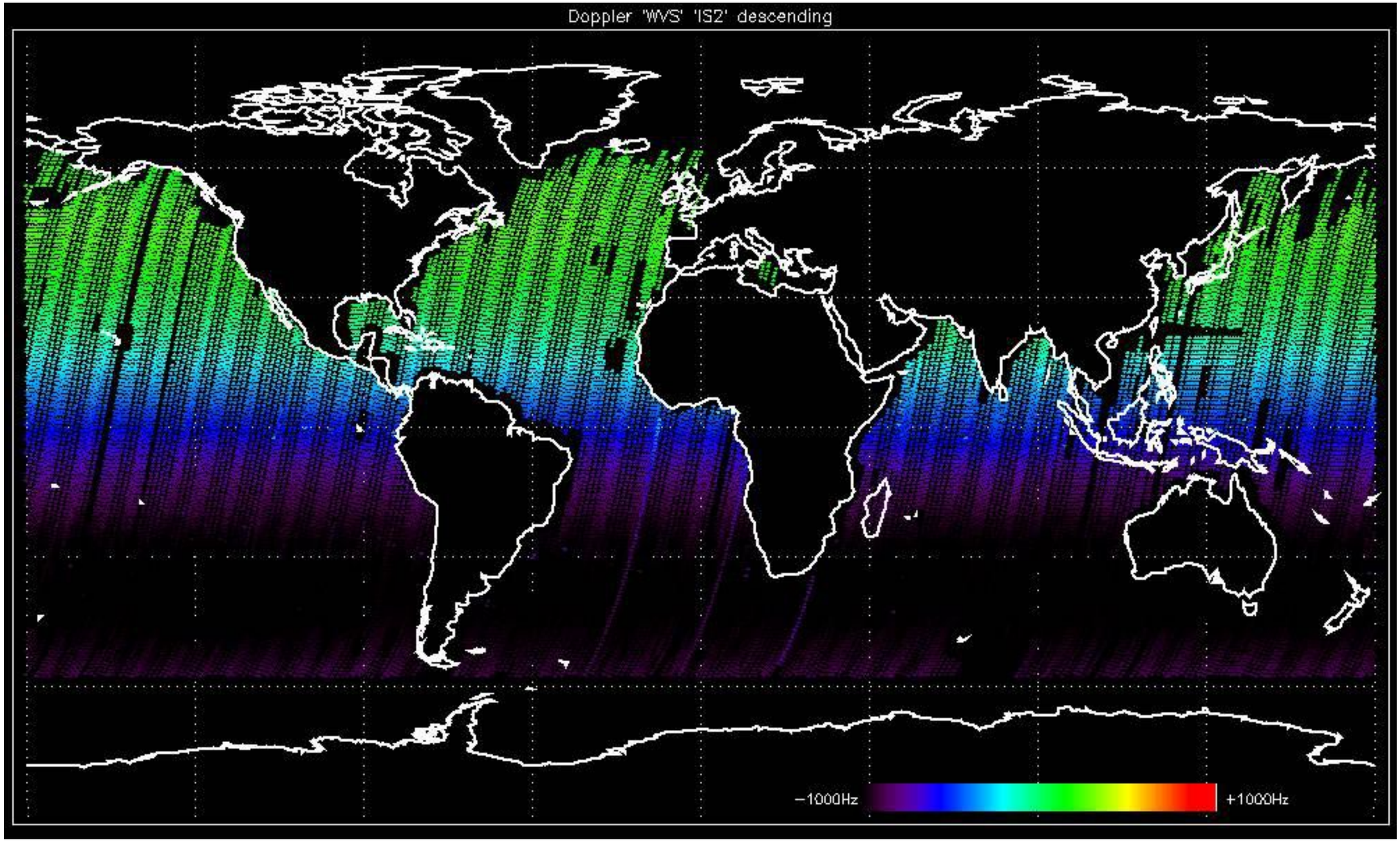
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

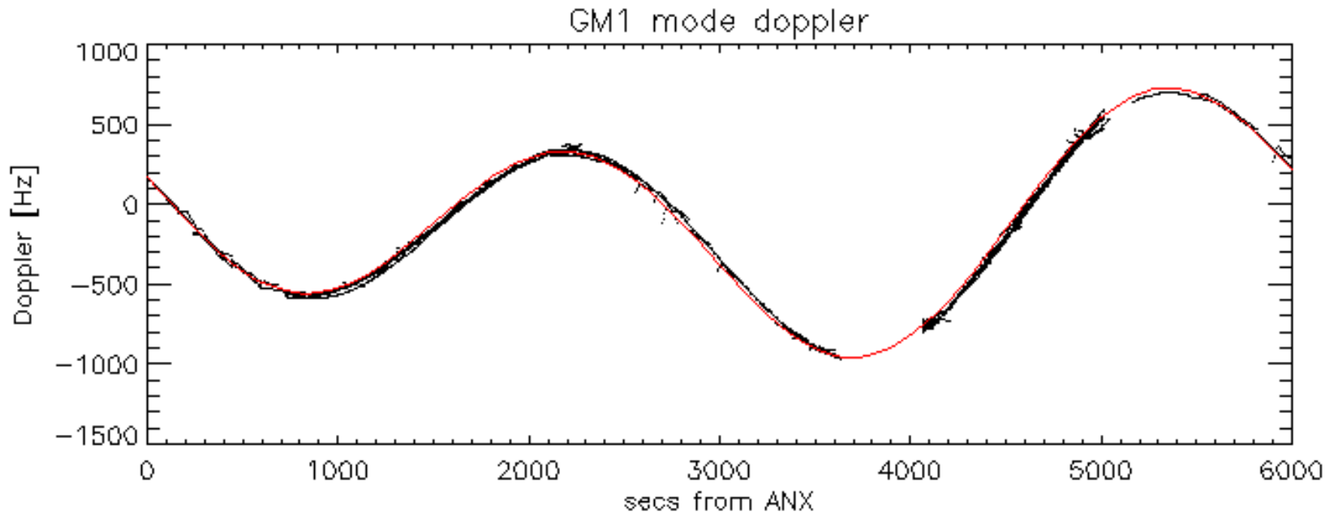
Preliminary report.The data is not yet controled

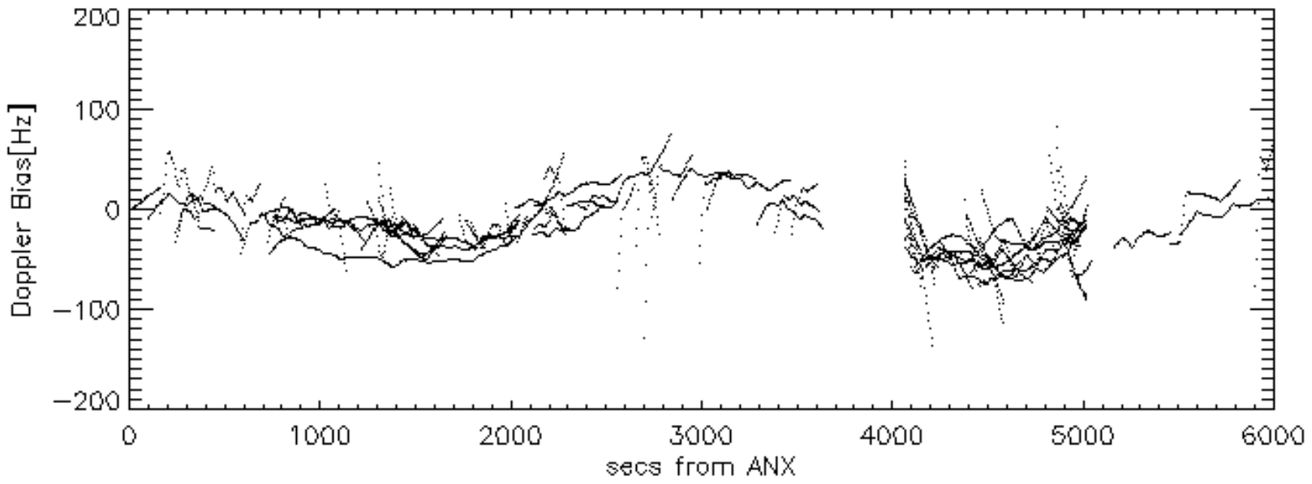

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

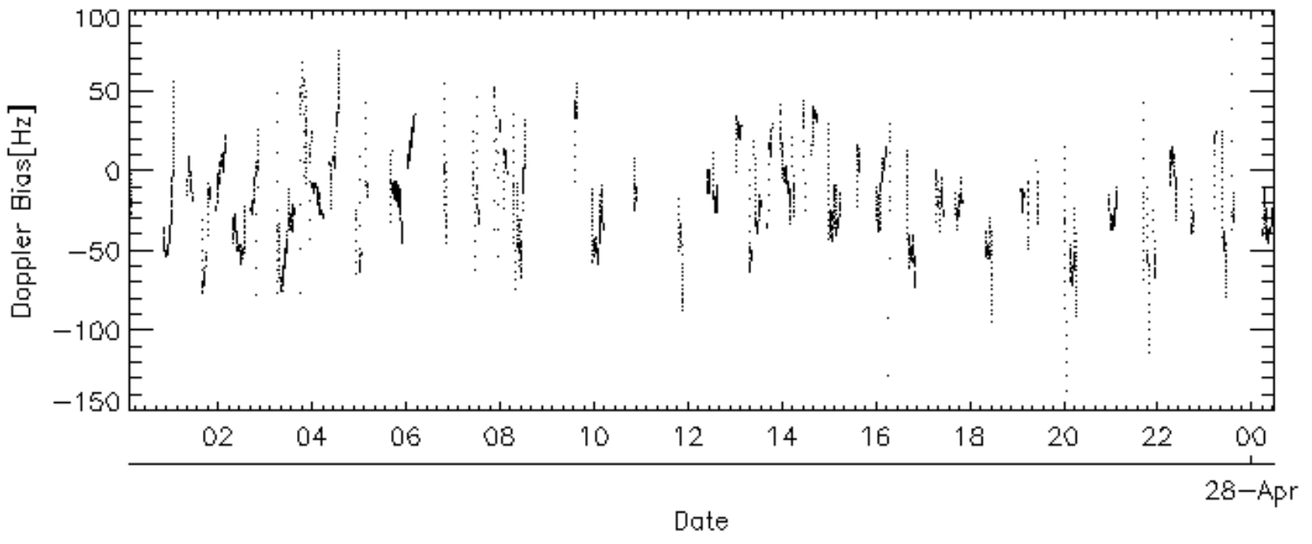

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

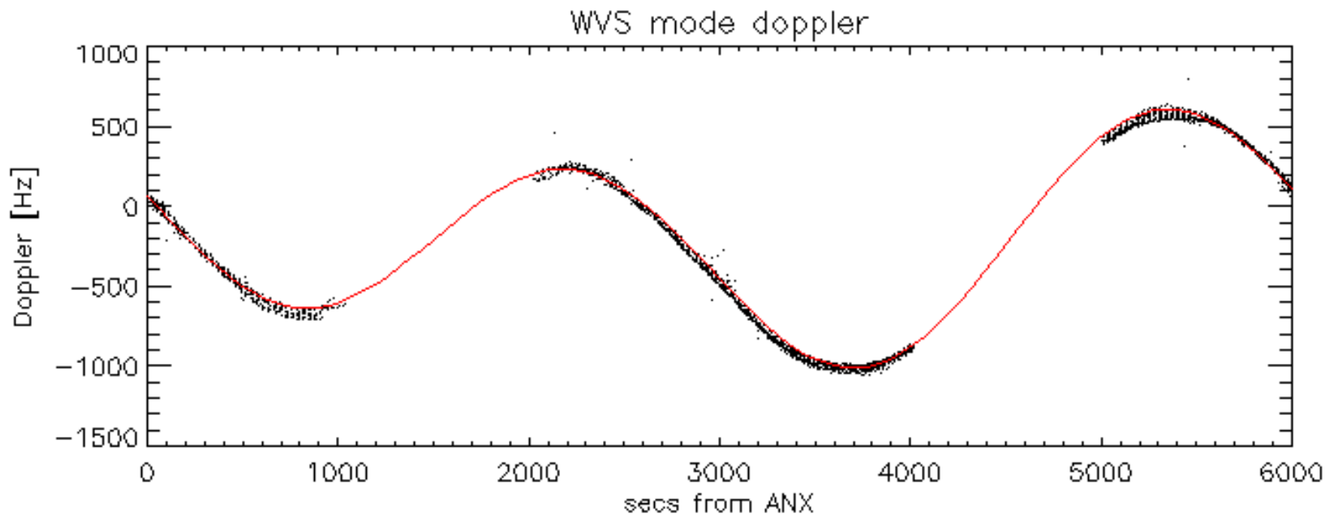

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

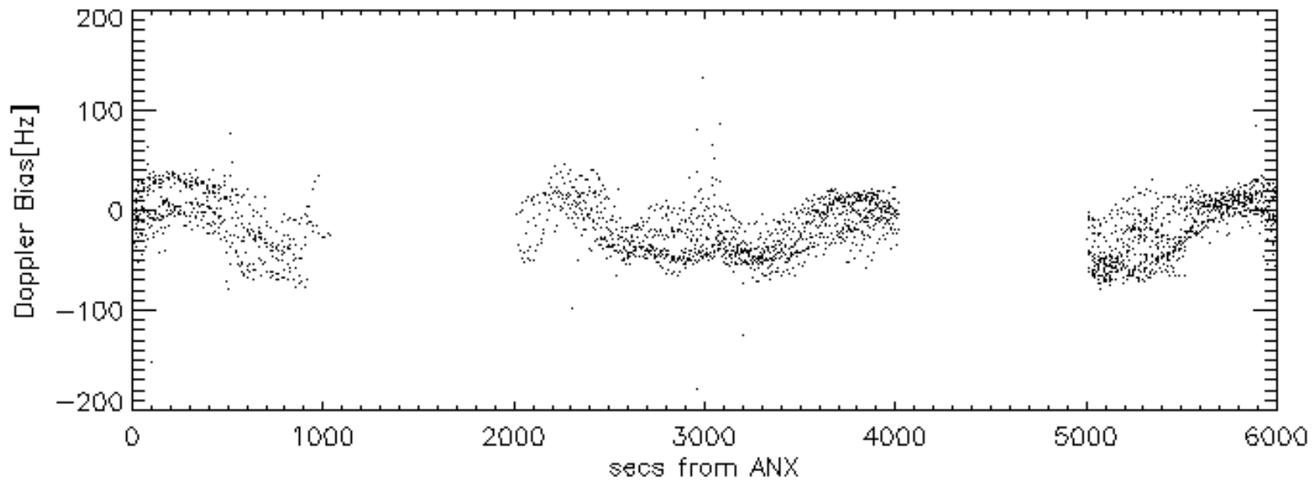

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

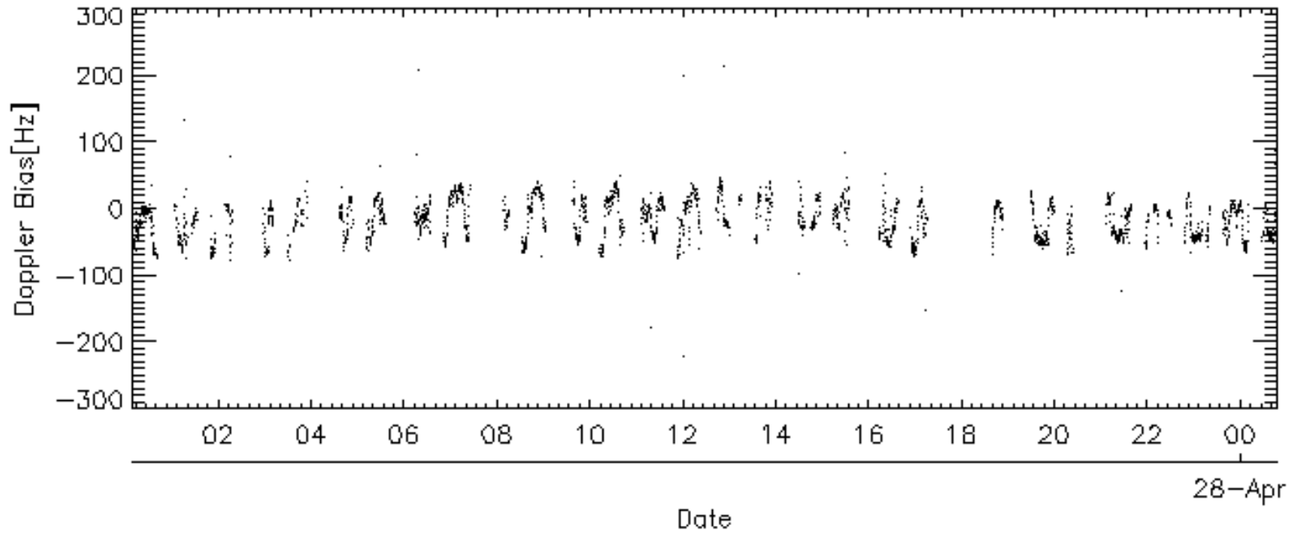

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

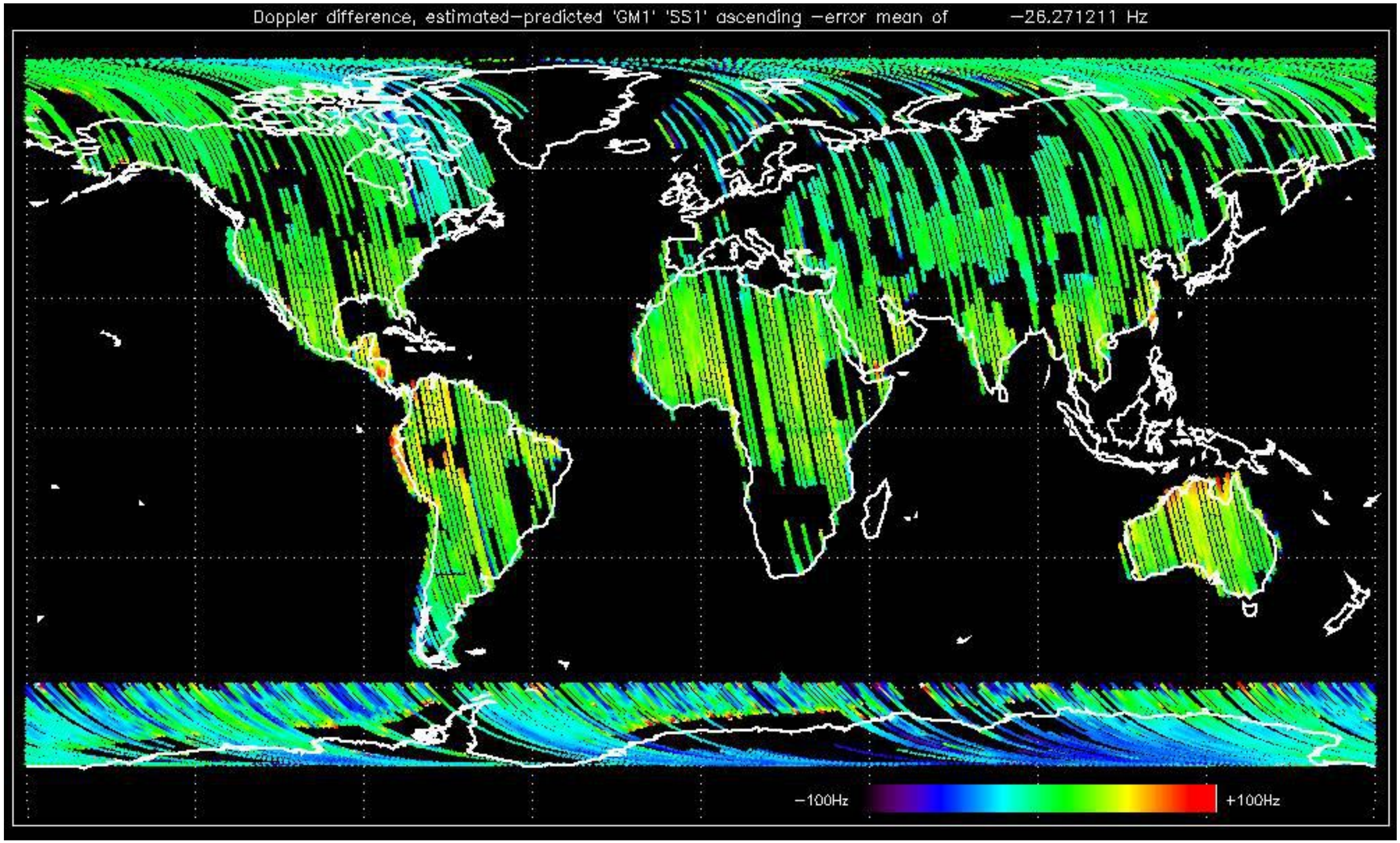

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

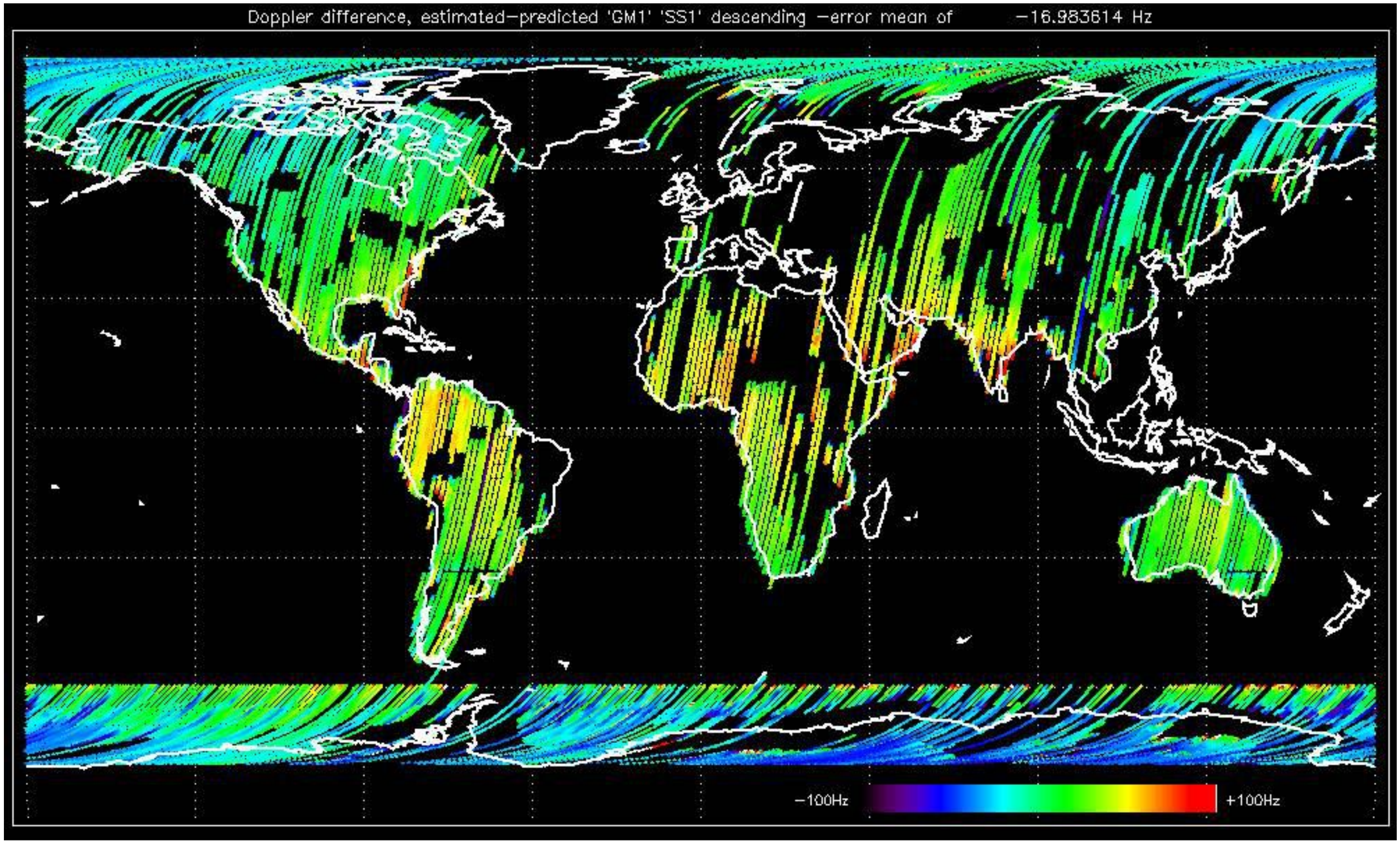

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
28−Apr
Date

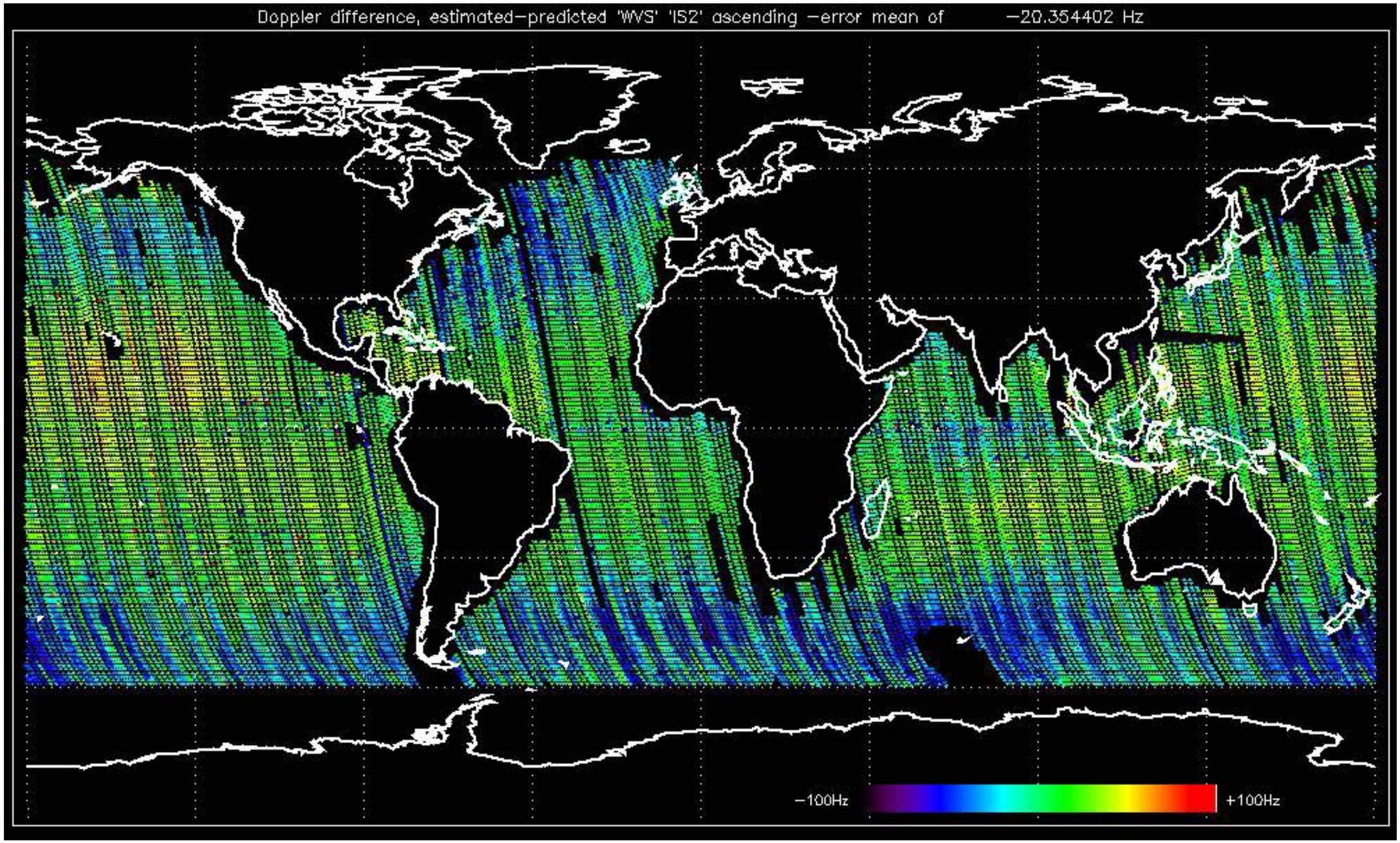

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

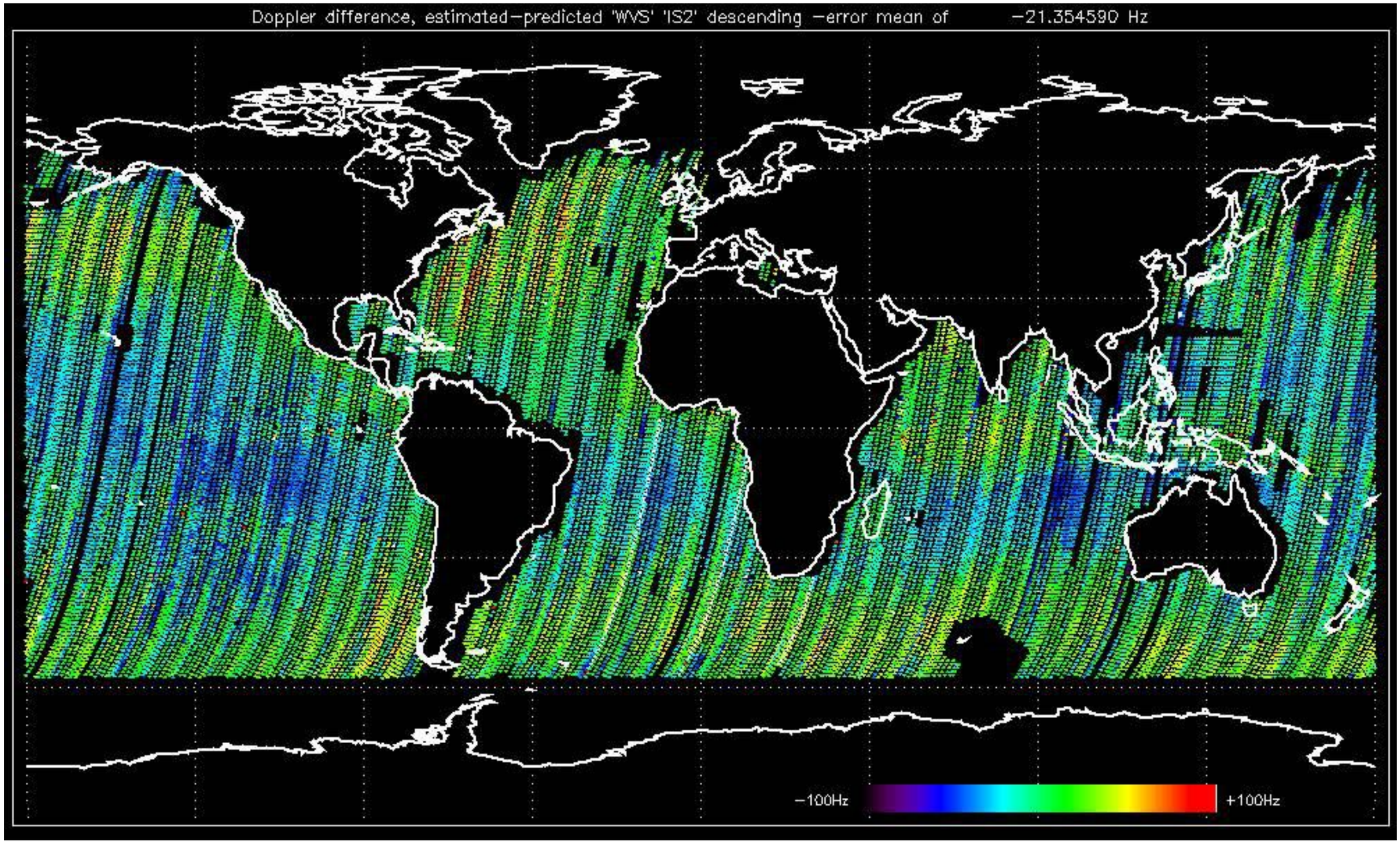

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
28−Apr
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −26.271211 Hz
−100Hz
+100Hz

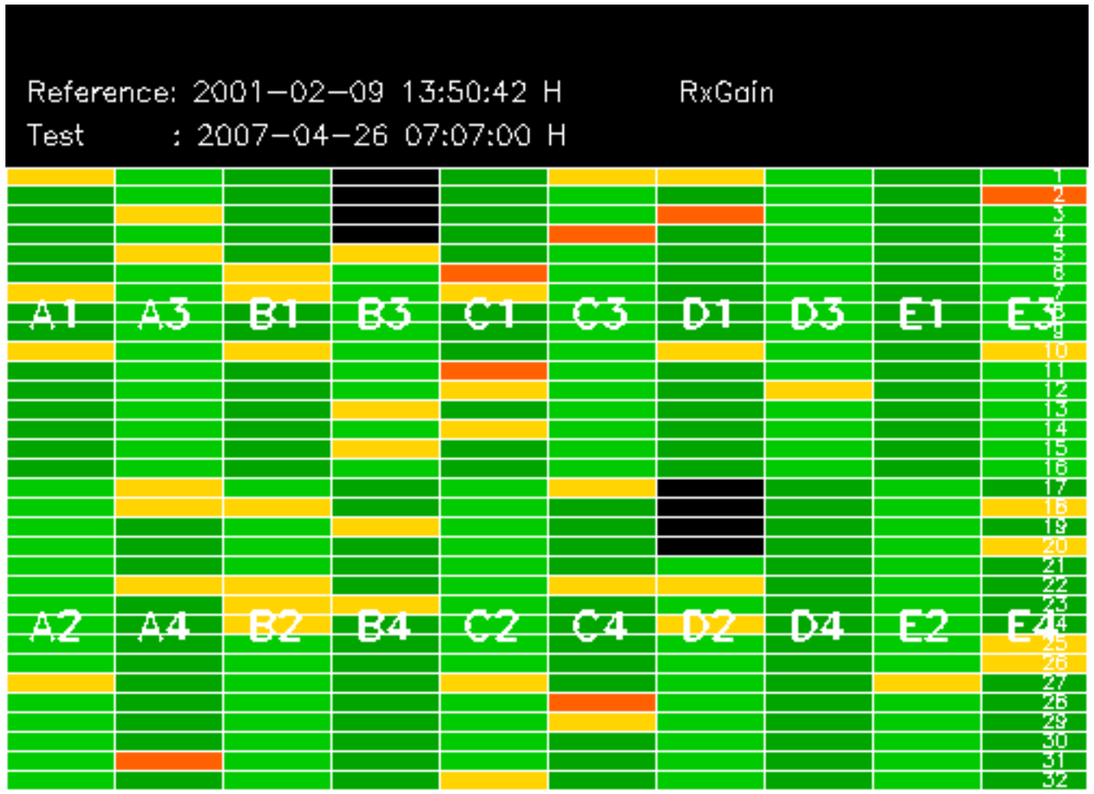

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.983614 Hz
-100Hz
+100Hz

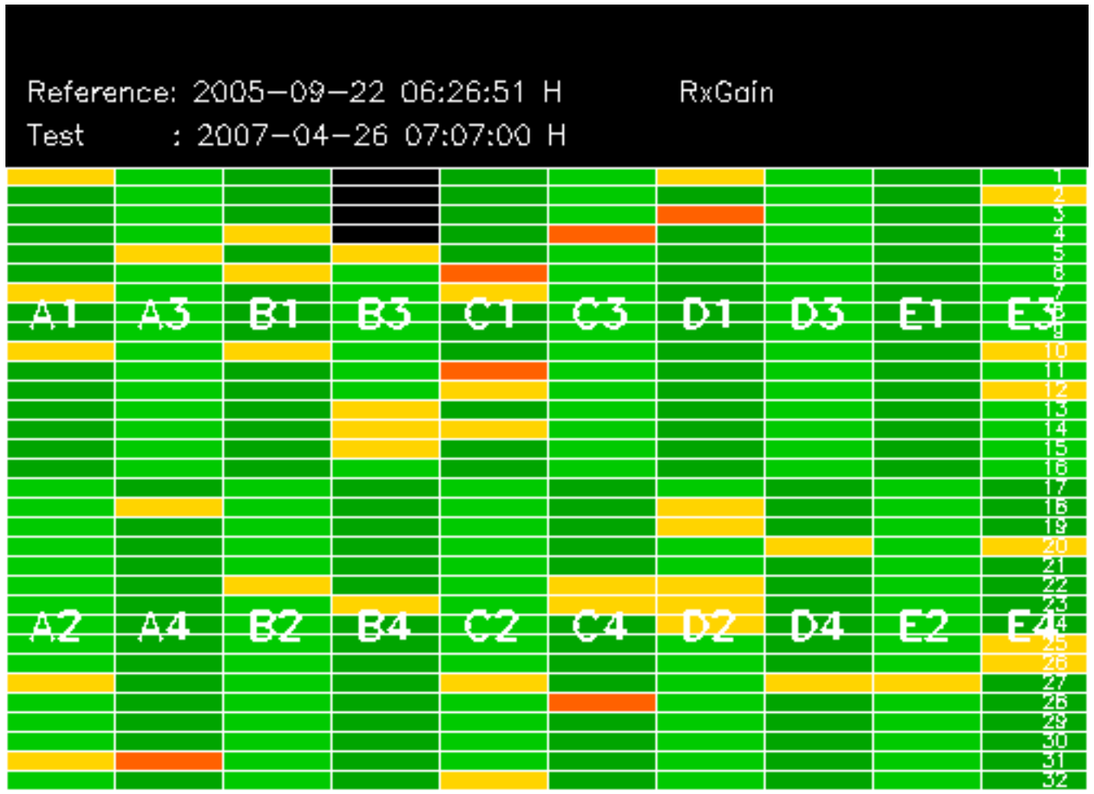

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −20.354402 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.354590 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-26 07:07:00 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-04-26 07:07:00 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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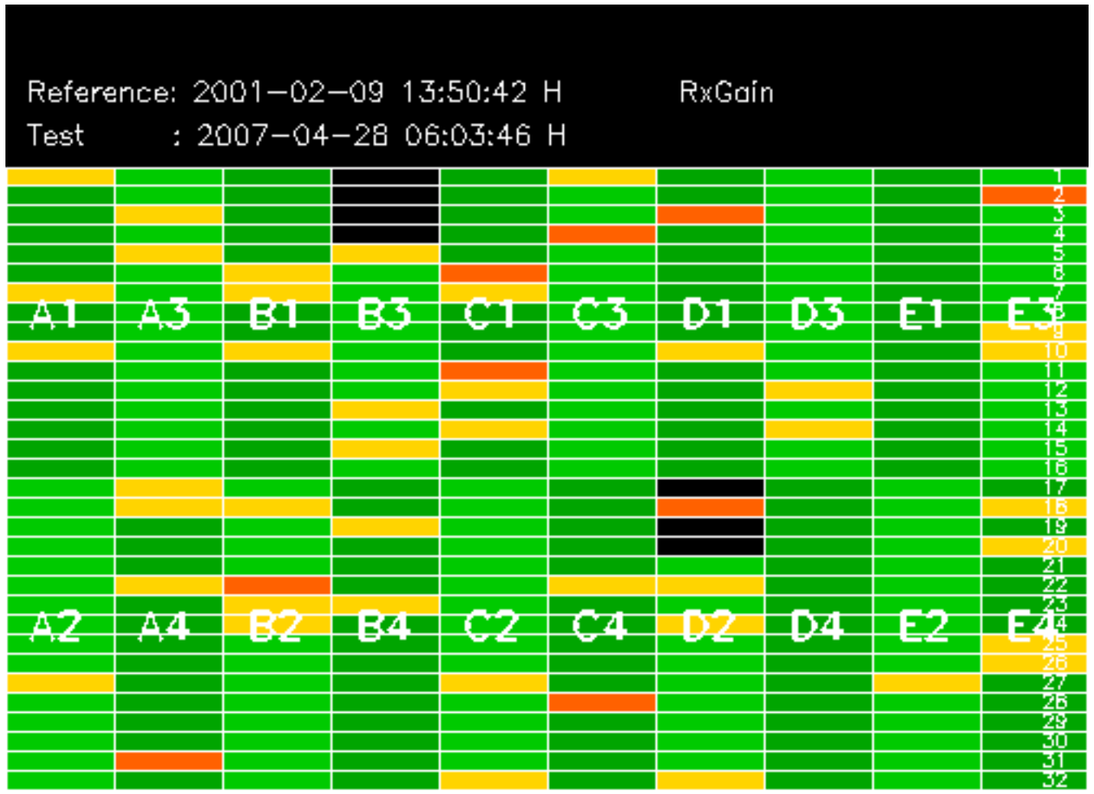
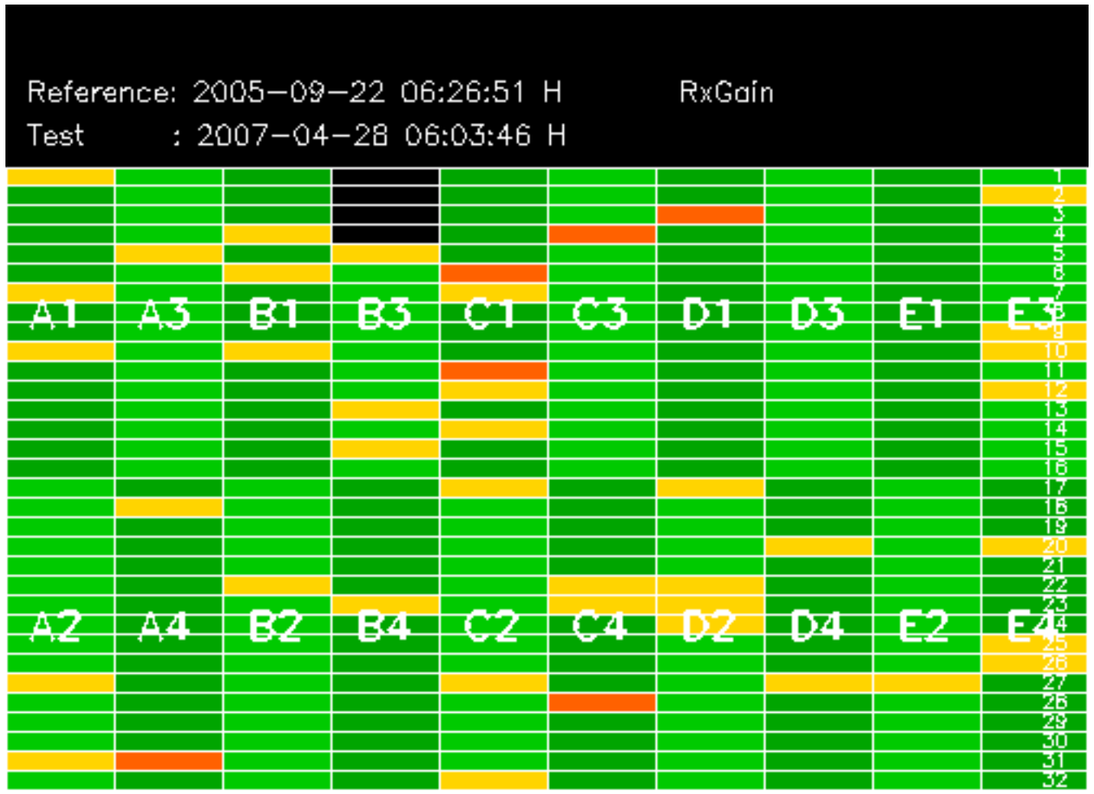
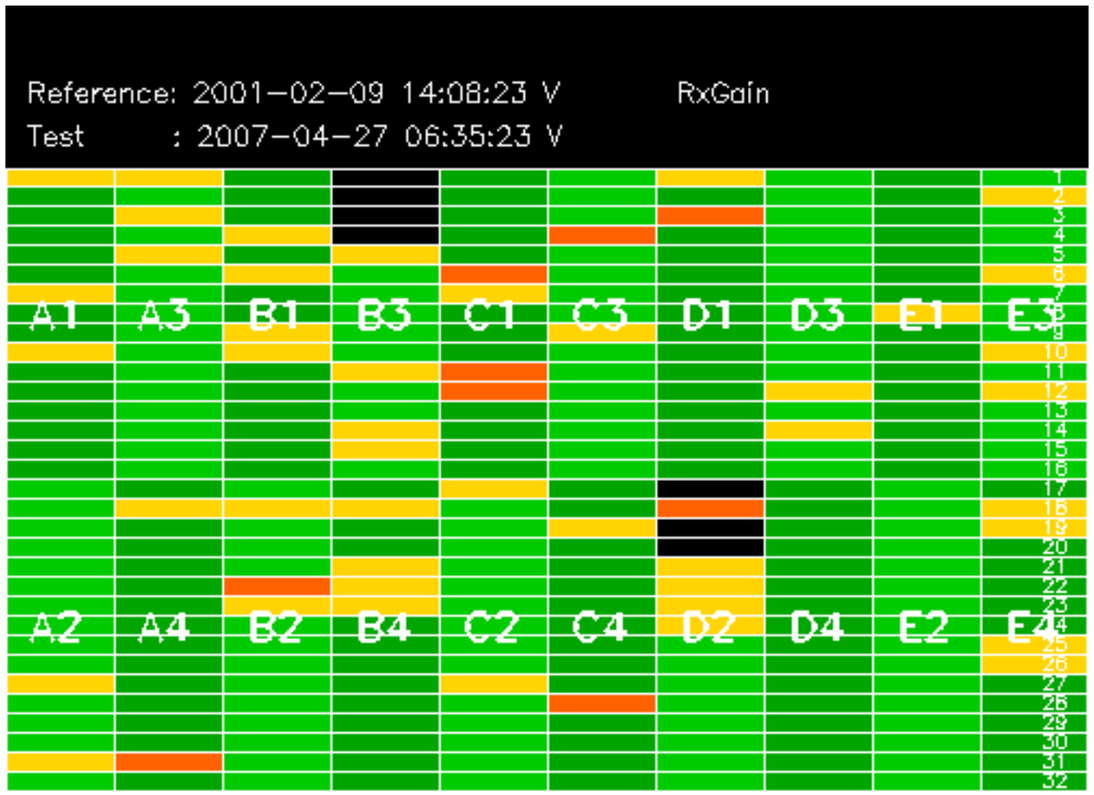
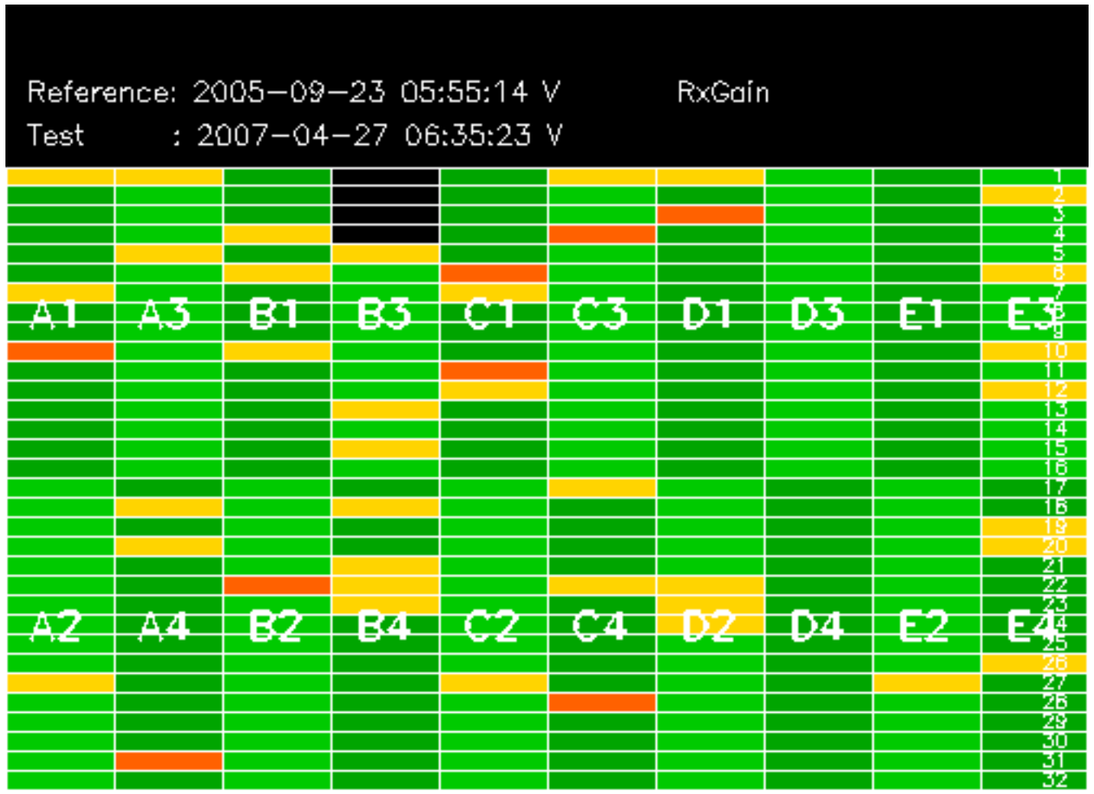
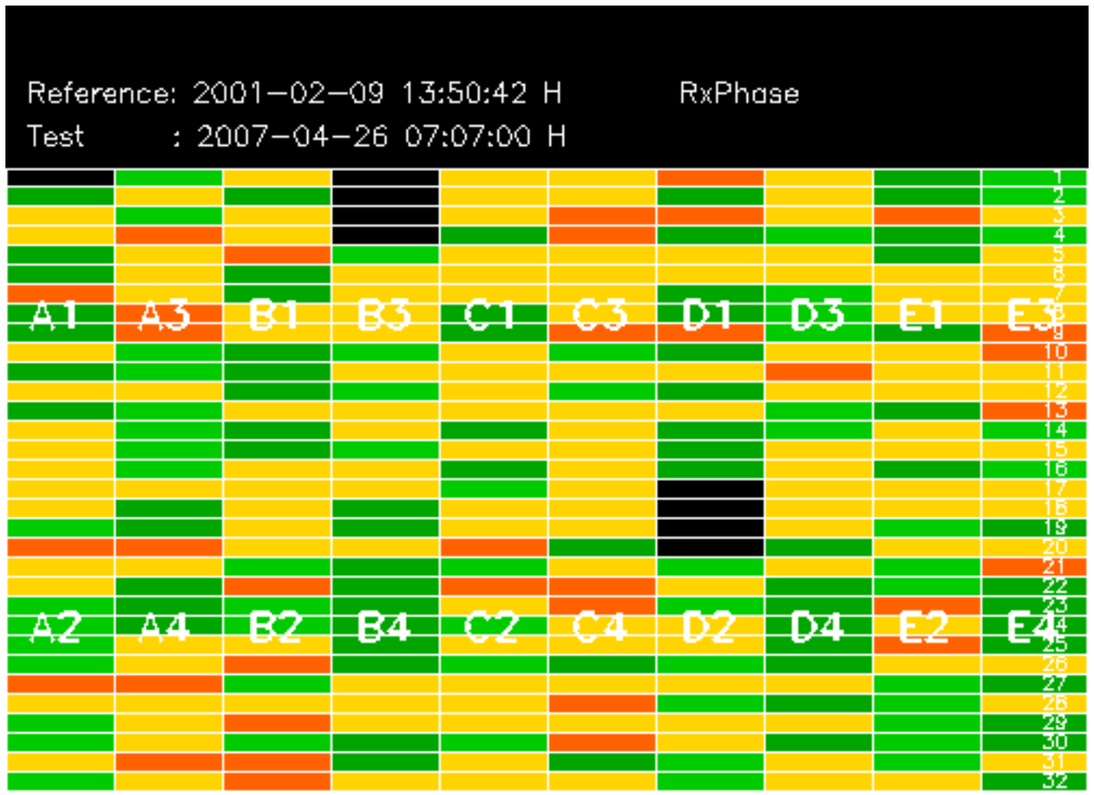

Reference: 2001-02-09 13:50:42 H
Test : 2007-04-28 06:03:46 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-27 06:35:23 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-27 06:35:23 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-26 07:07:00 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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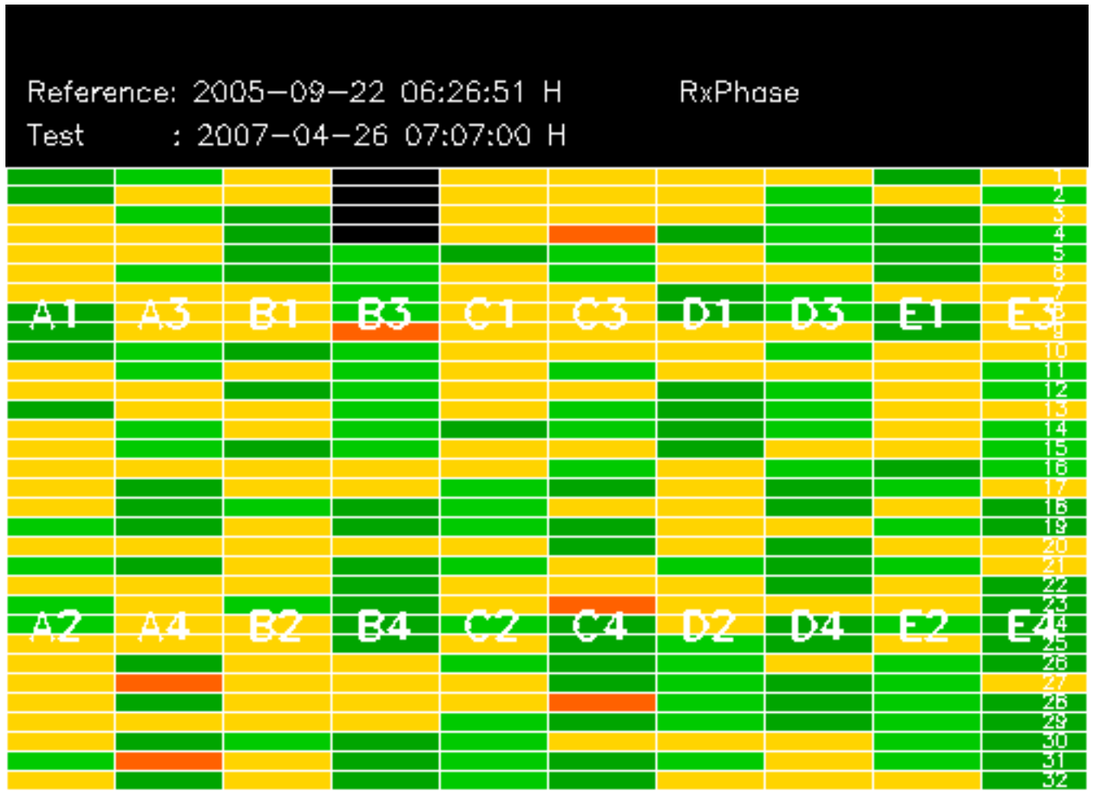
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-04-26 07:07:00 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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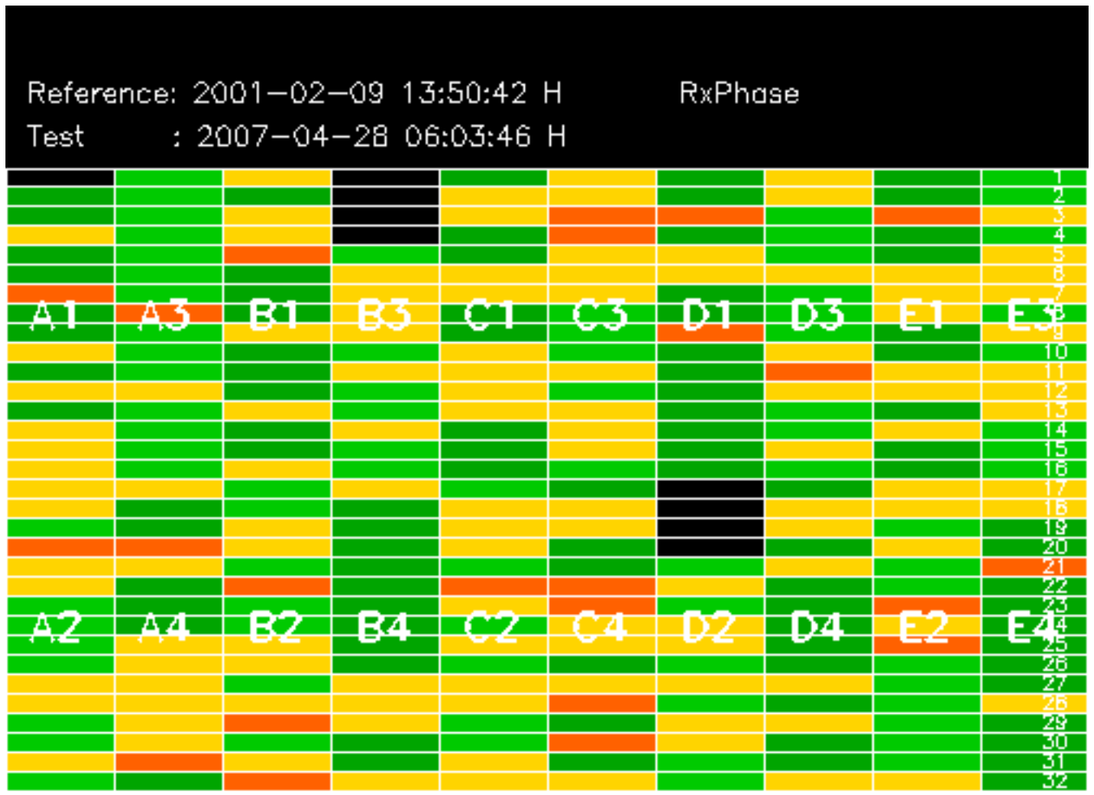
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-28 06:03:46 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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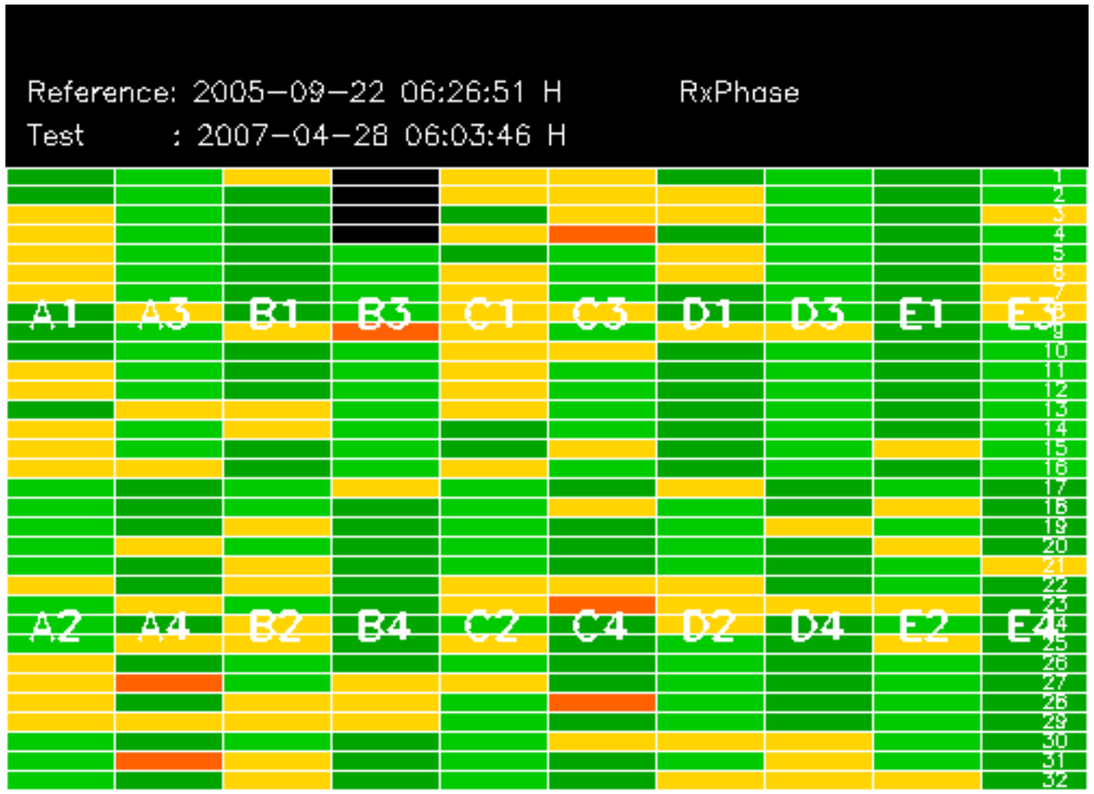
Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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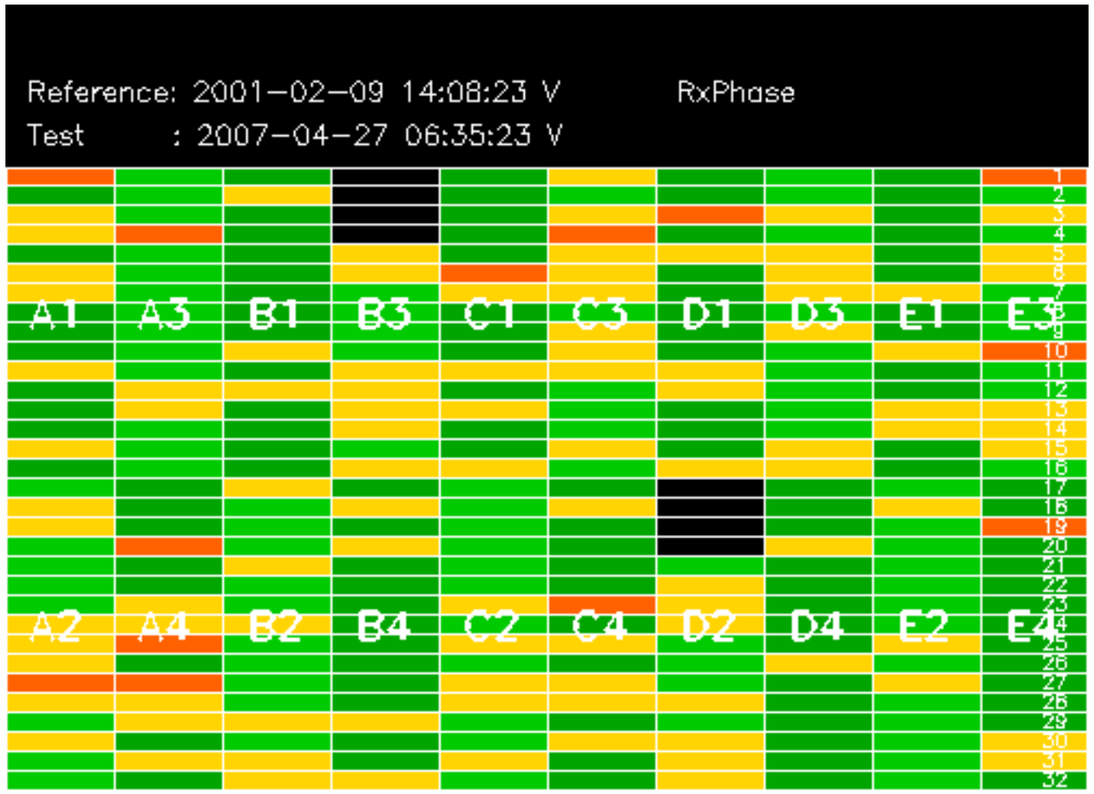
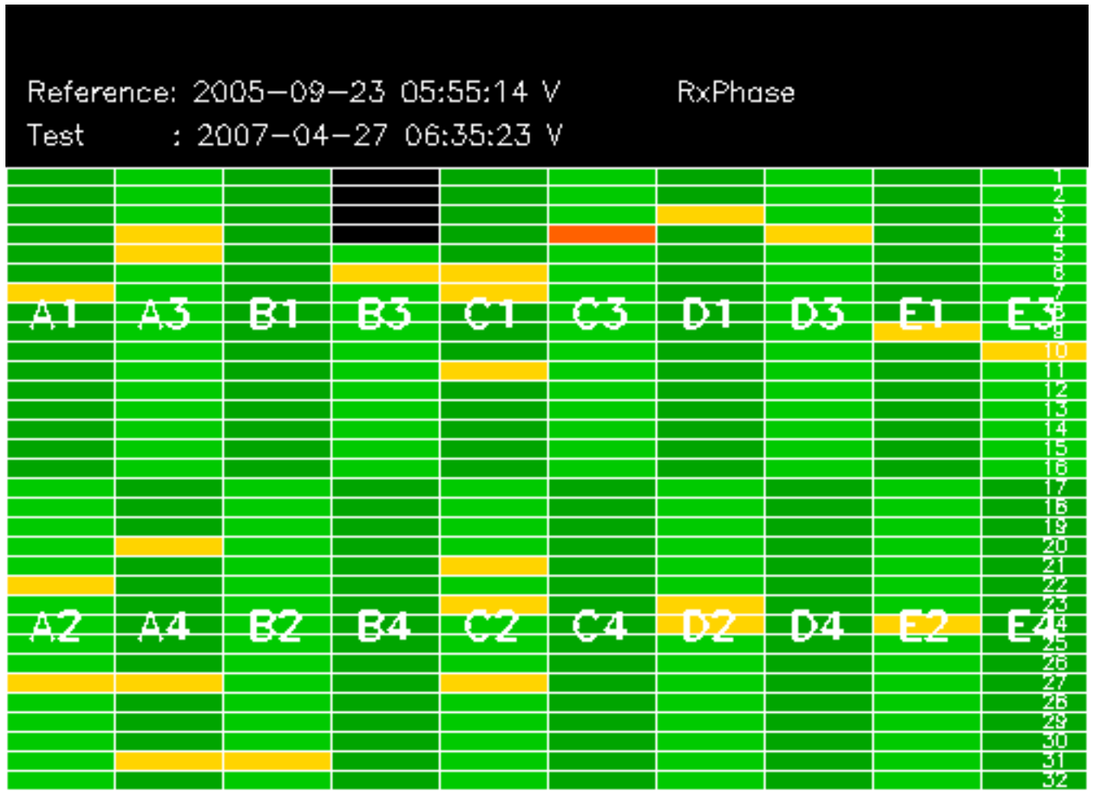

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-27 06:35:23 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-27 06:35:23 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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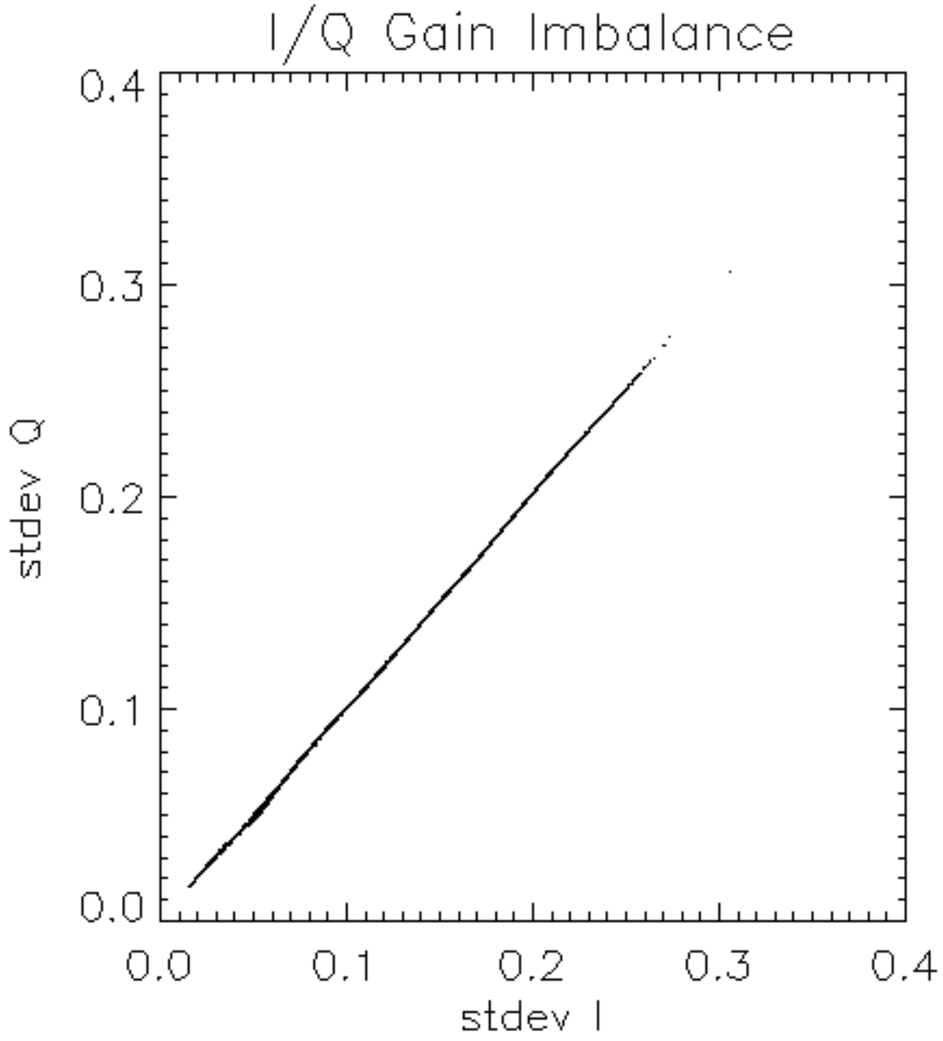
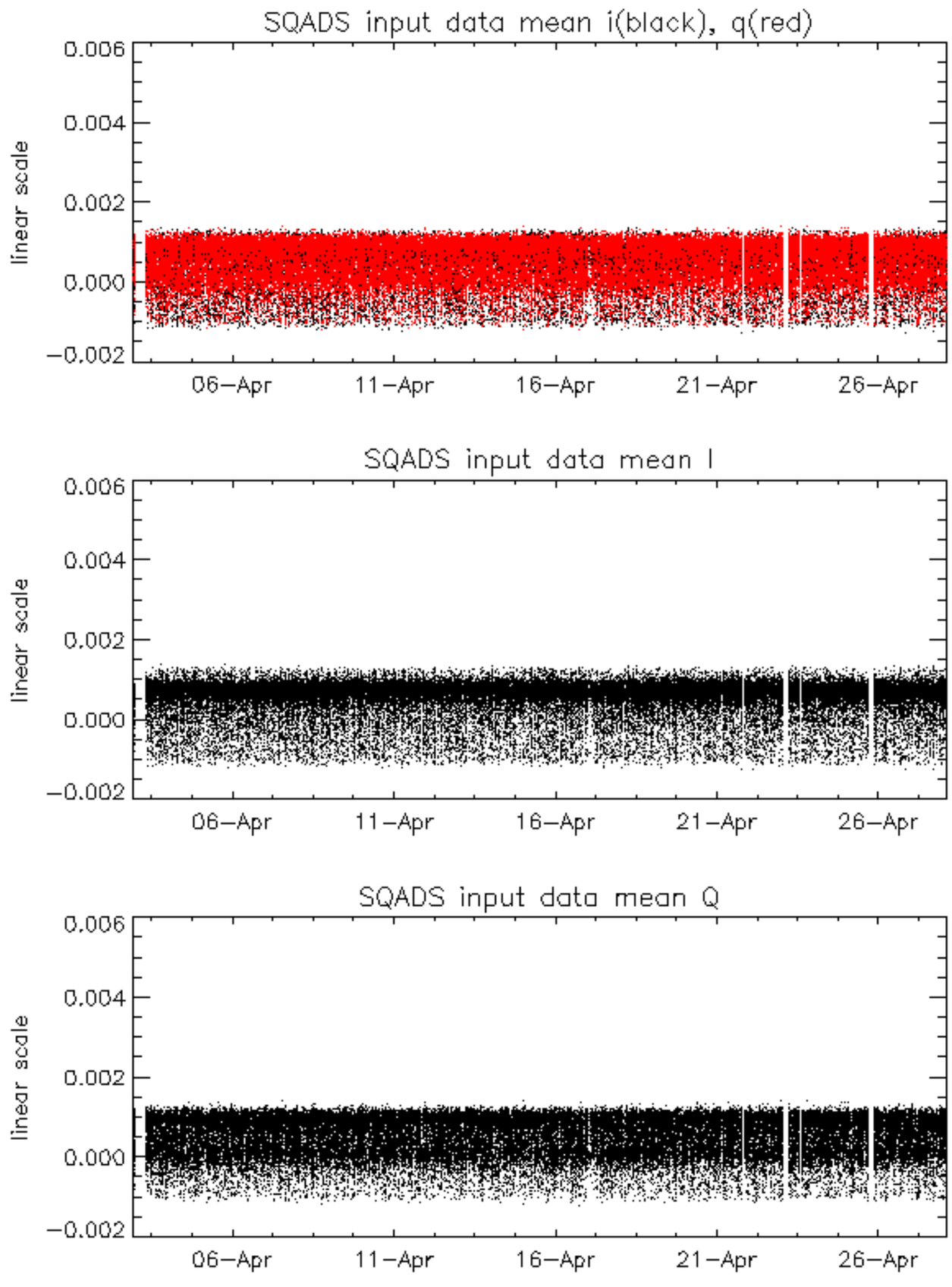
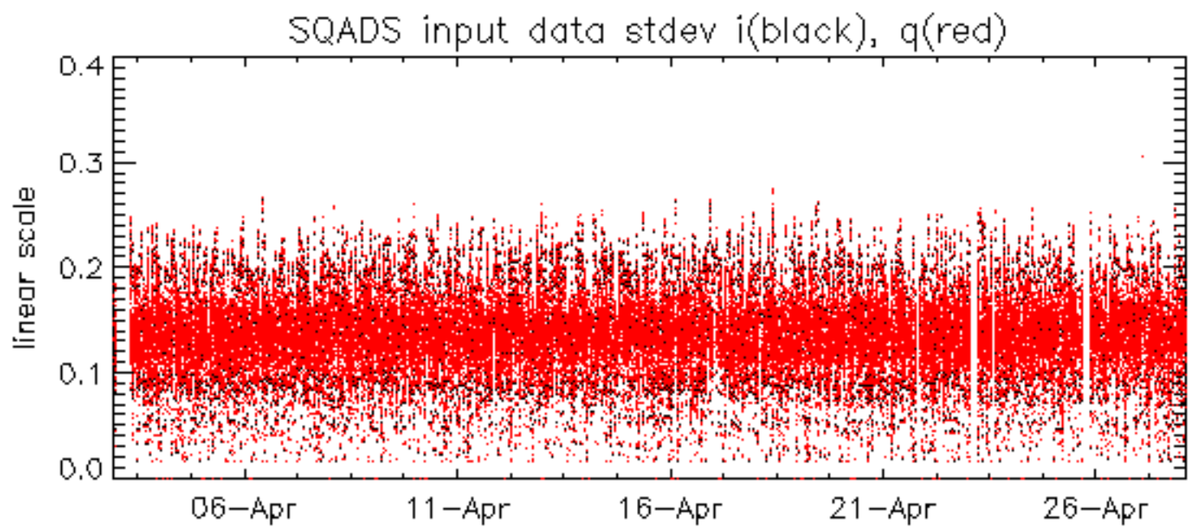
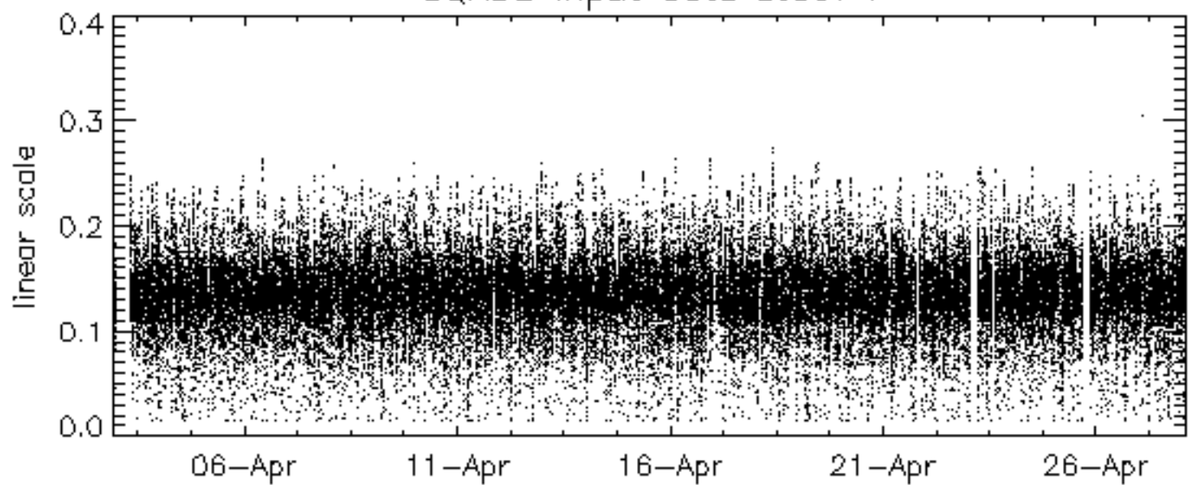
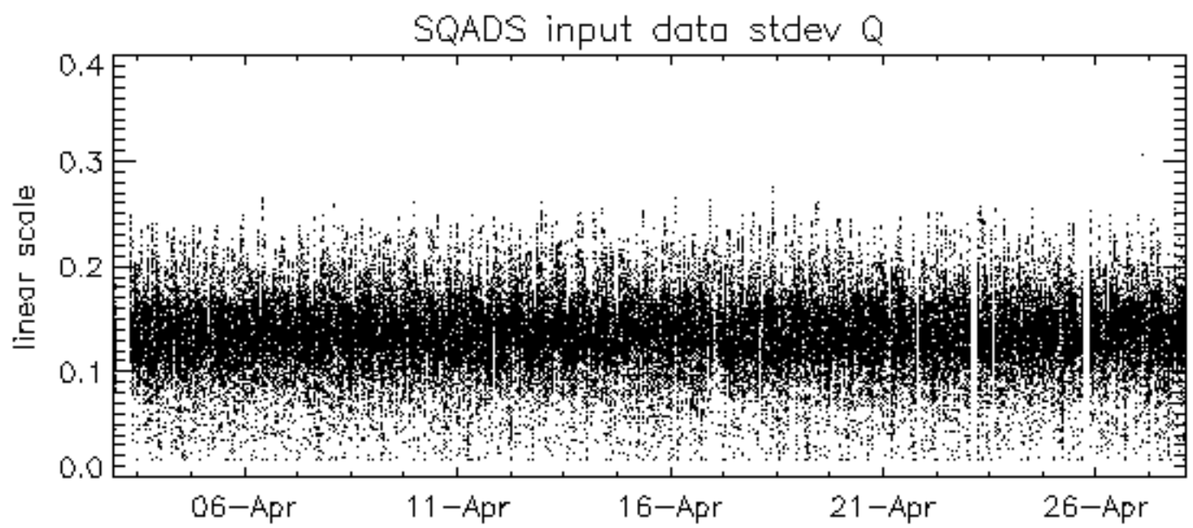
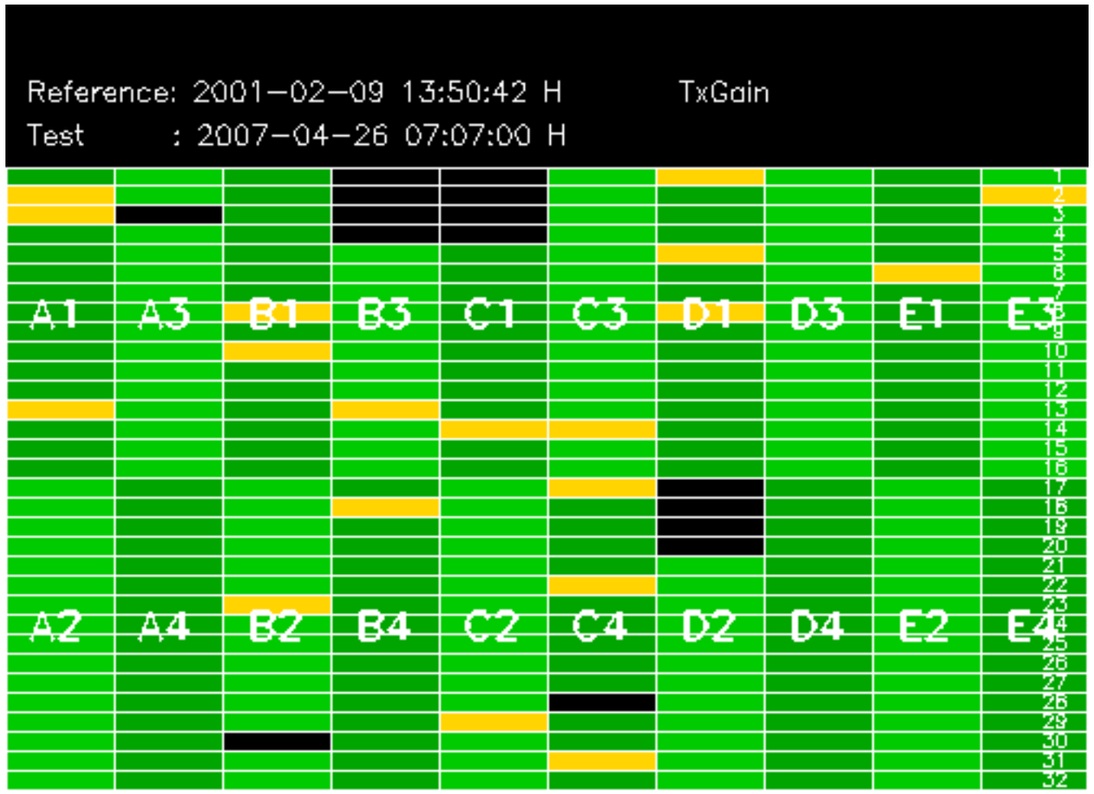

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I


SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr
21–Apr
26–Apr


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr
21–Apr
26–Apr


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr
21–Apr
26–Apr


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-26 07:07:00 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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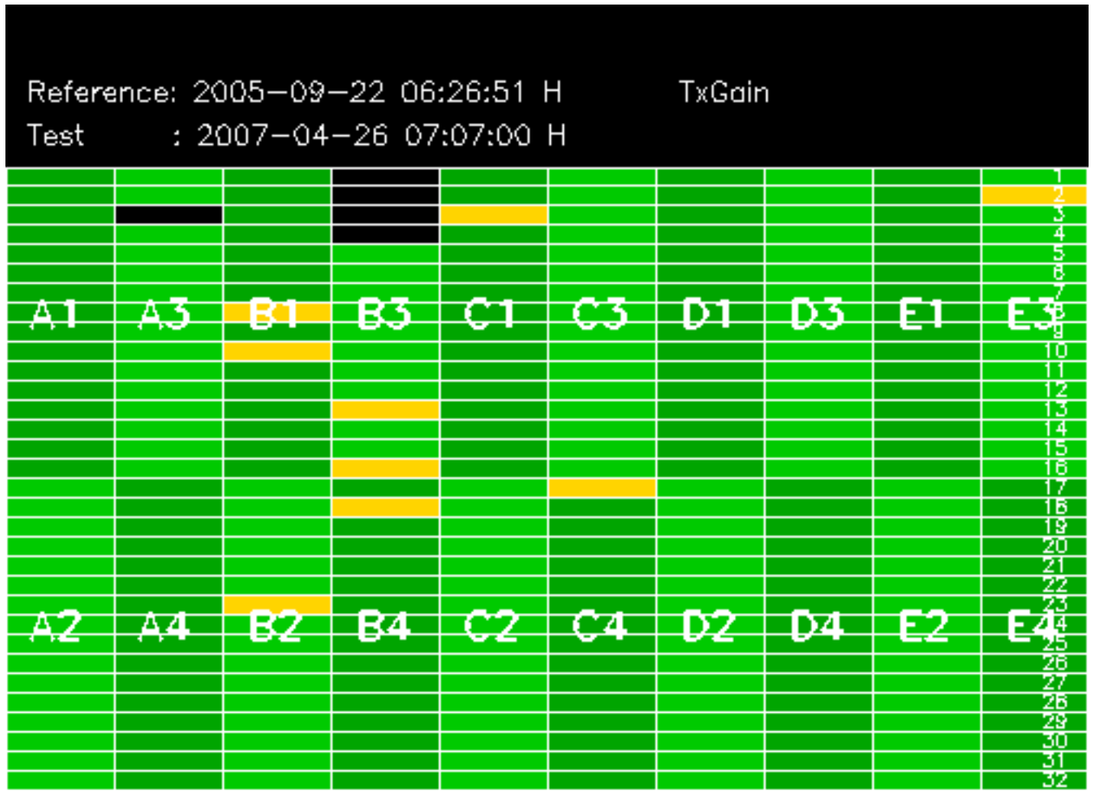
Reference: 2005-09-22 06:26:51 H
TxGain
Test : 2007-04-26 07:07:00 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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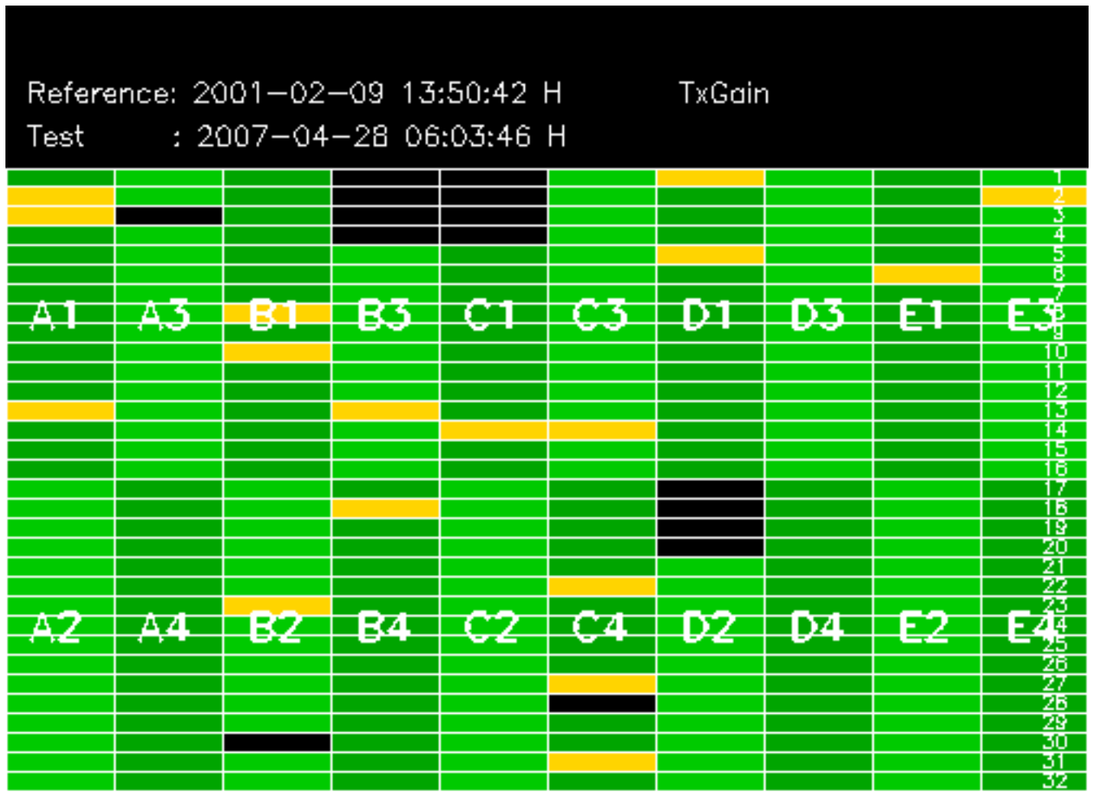
Reference: 2001-02-09 13:50:42 H
Test : 2007-04-28 06:03:46 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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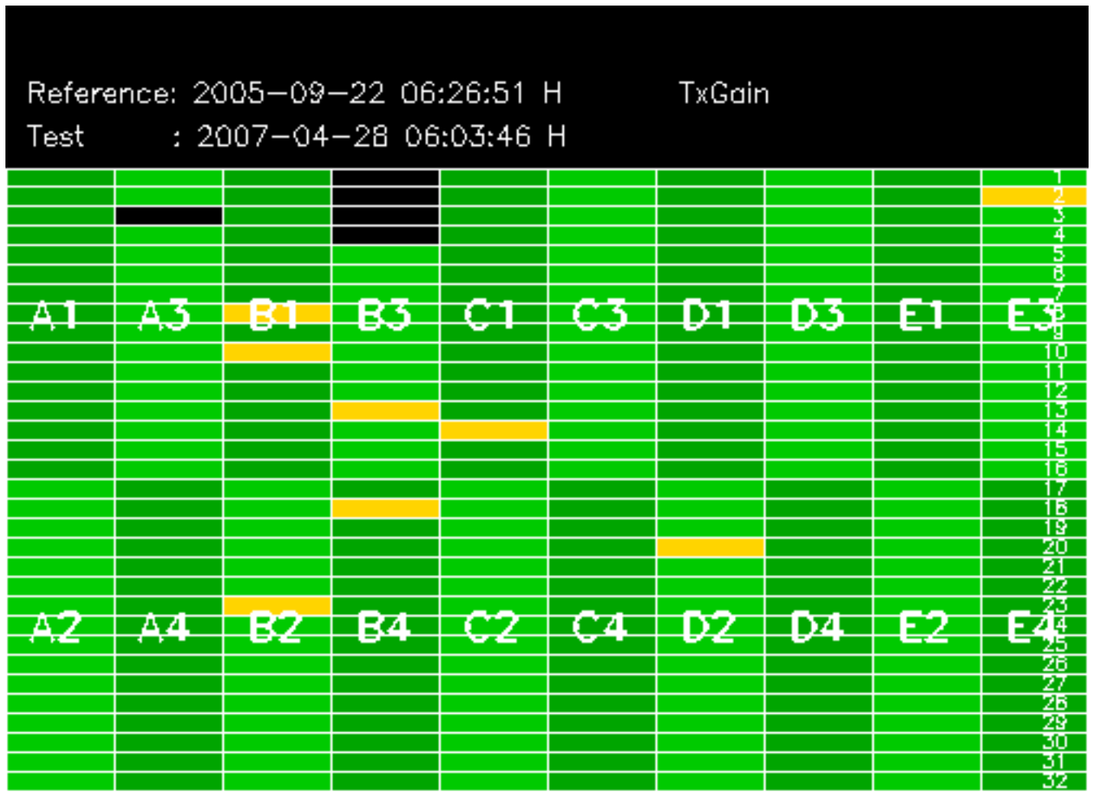
Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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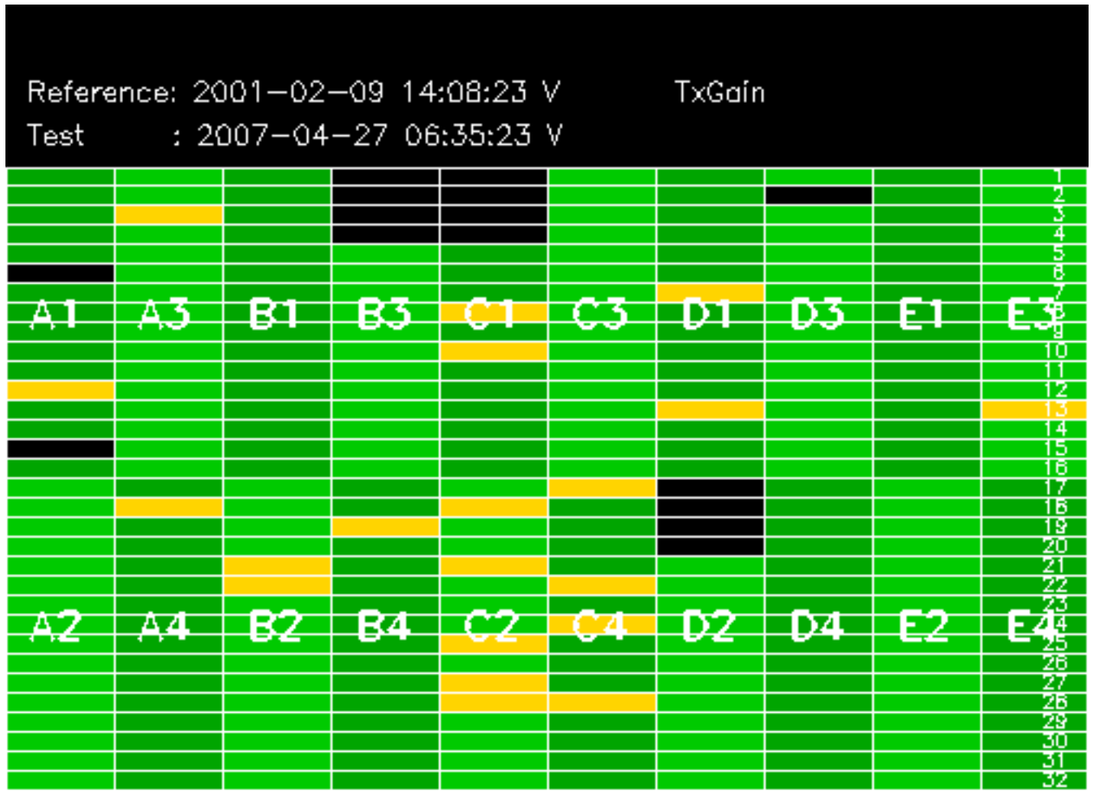
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-27 06:35:23 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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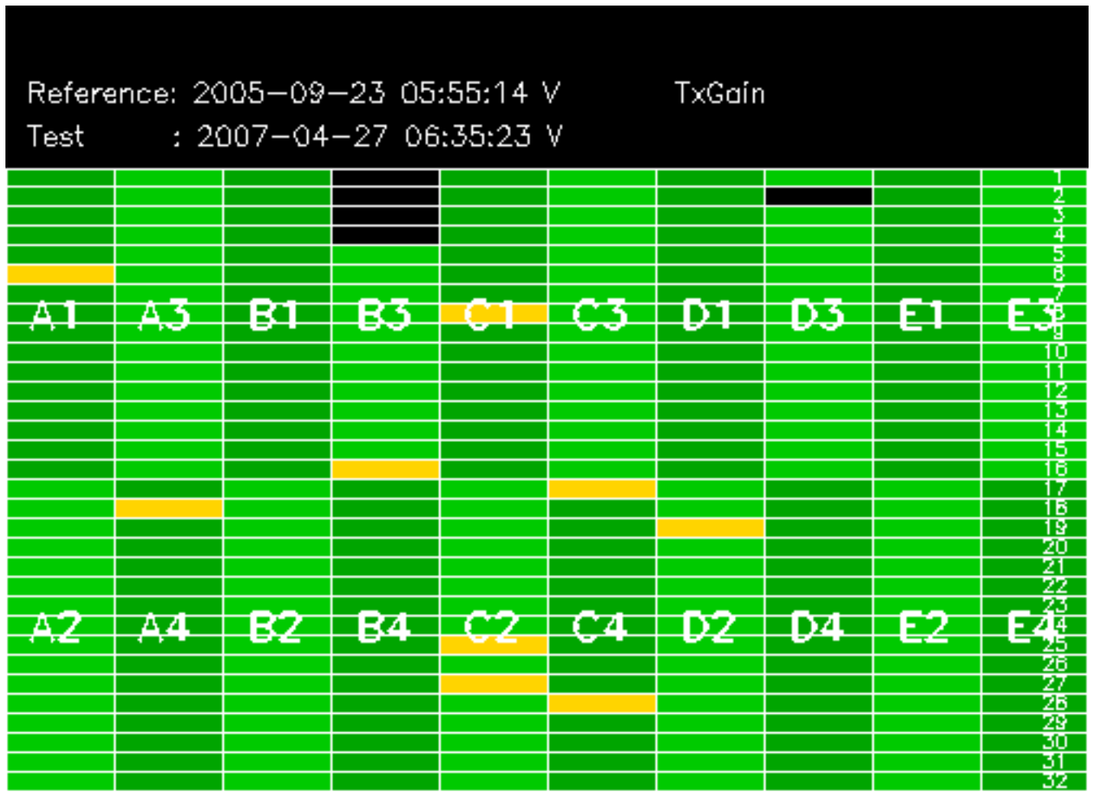
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-27 06:35:23 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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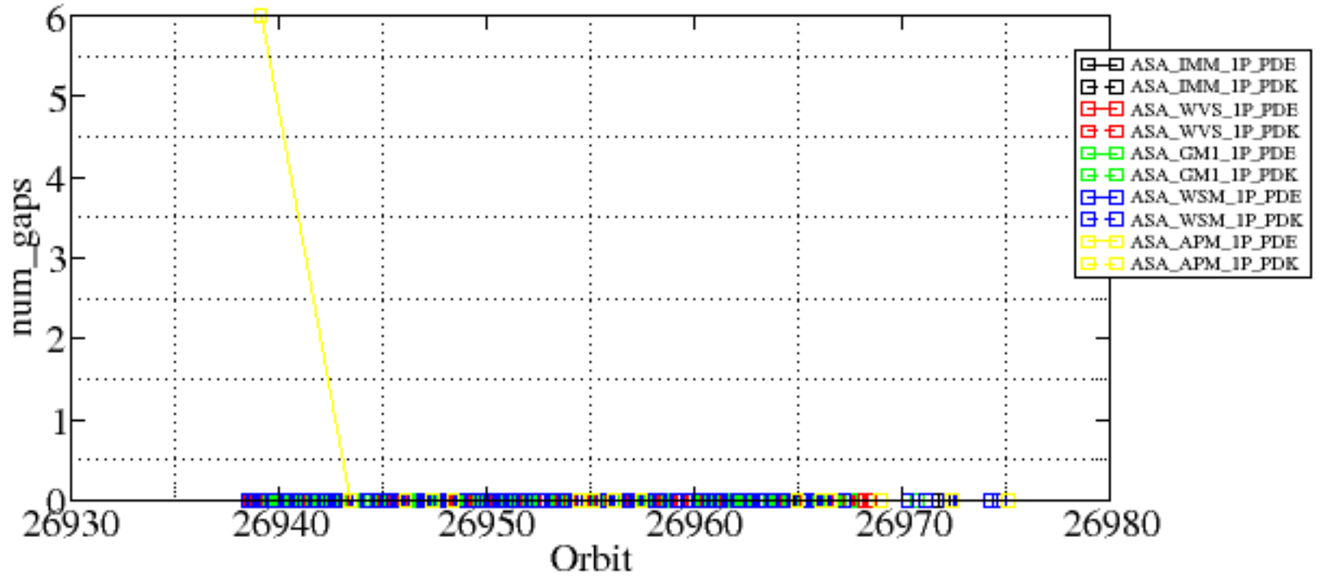
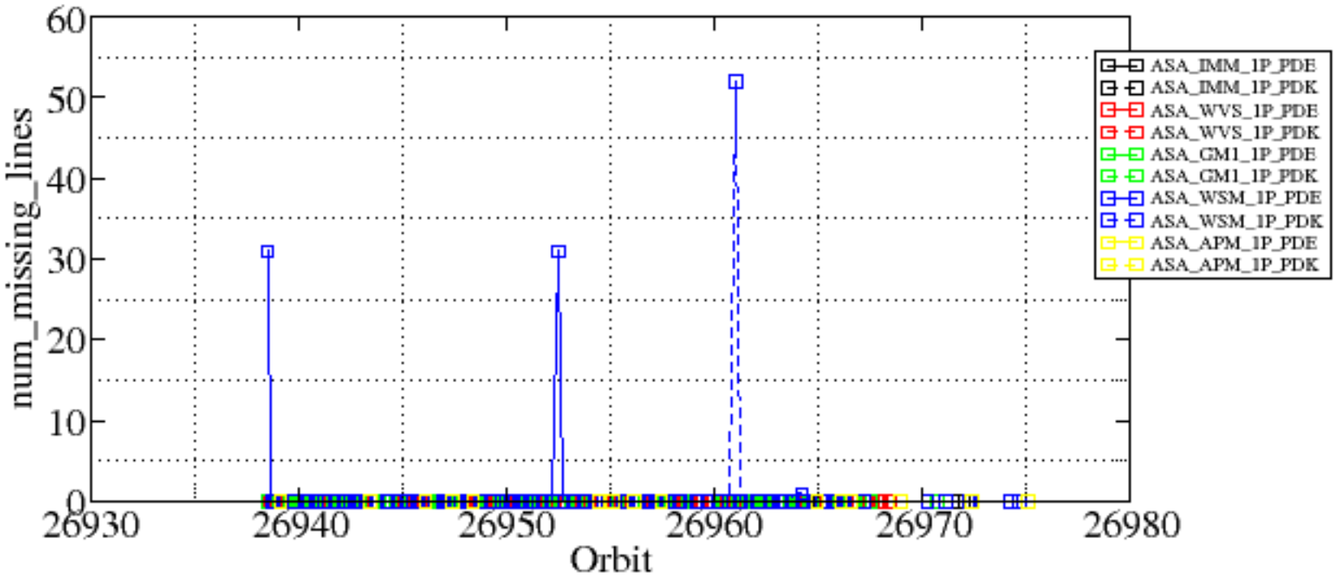
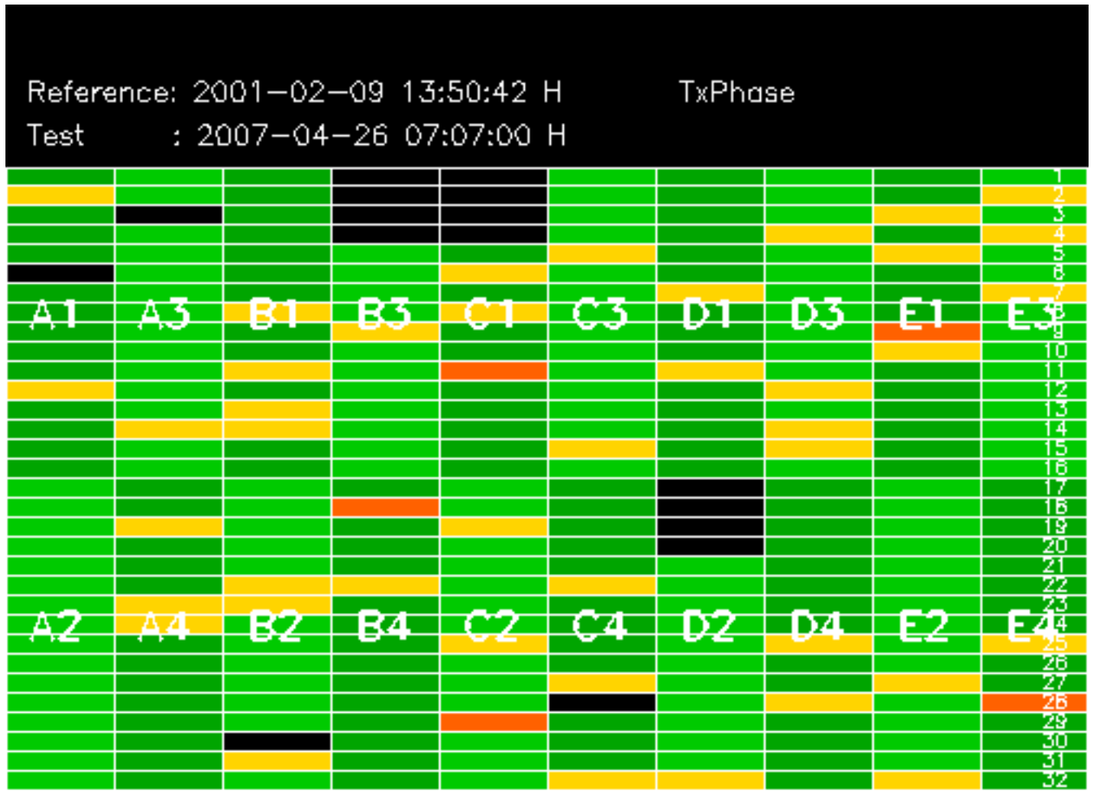
Summary of analysis for the last 3 days 2007042[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20070426_000621_000002022057_00331_26938_7094.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070426_233444_000002632057_00345_26952_8526.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070427_135549_000000852057_00354_26961_5249.N1 </td> <td>0 </td> <td>52 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070427_191220_000000852057_00357_26964_5559.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070426_011026_000001332057_00332_26939_7224.N1 </td> <td>6 </td> <td>0 </td></tr>
</table>


num_gaps
Orbit
0
1
2
3
4
5
6
26930
26940
26950
26960
26970
26980
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
60
50
40
30
20
10
0
26930
26940
26950
26960
26970
26980
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-26 07:07:00 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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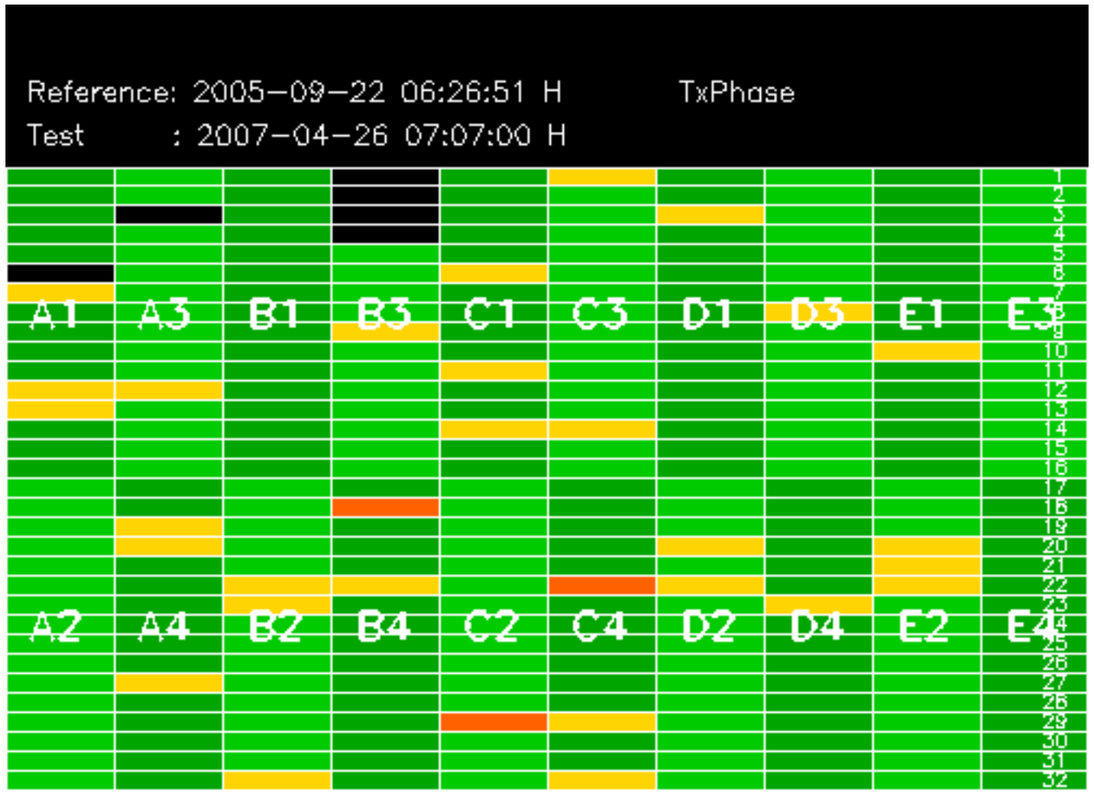
Reference: 2005-09-22 06:26:51 H
Test : 2007-04-26 07:07:00 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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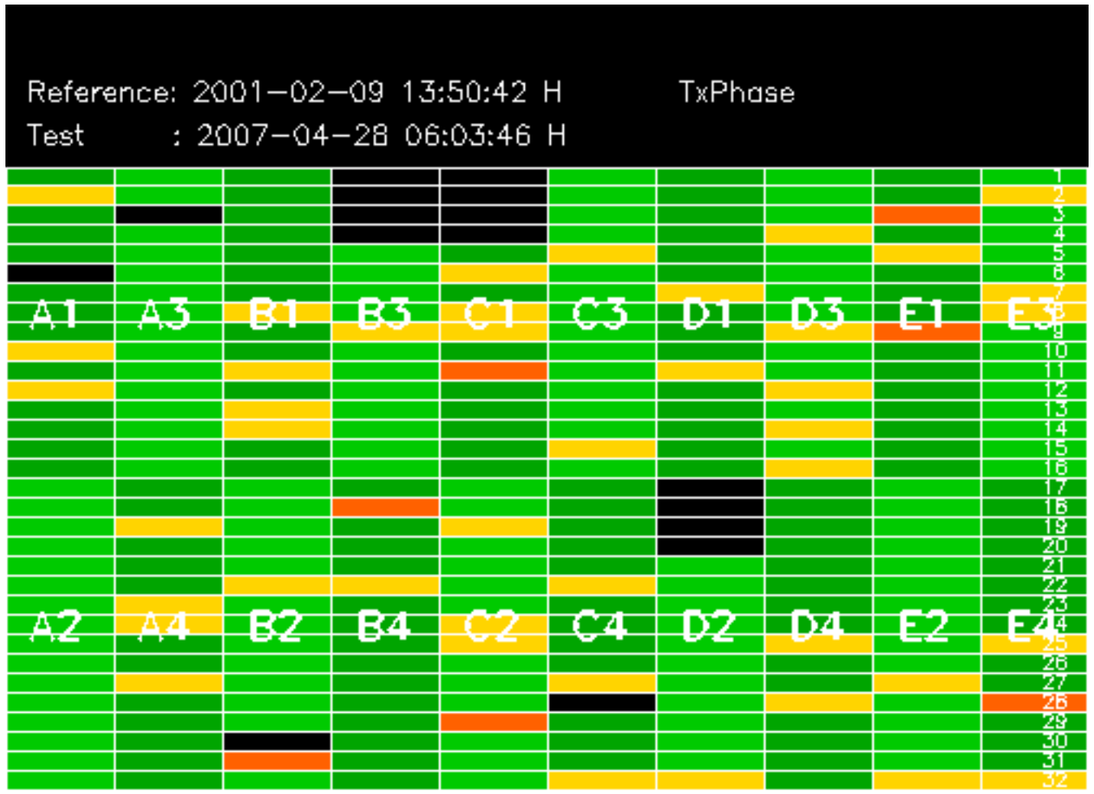
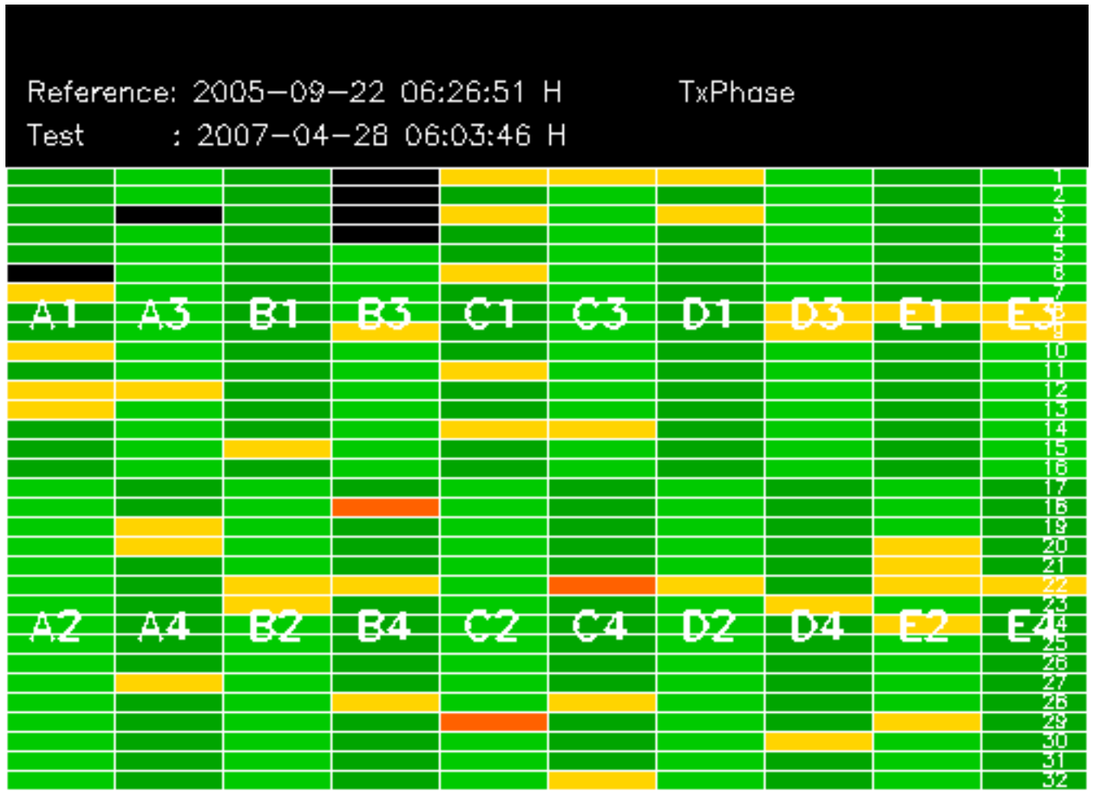

Reference: 2001-02-09 13:50:42 H
Test : 2007-04-28 06:03:46 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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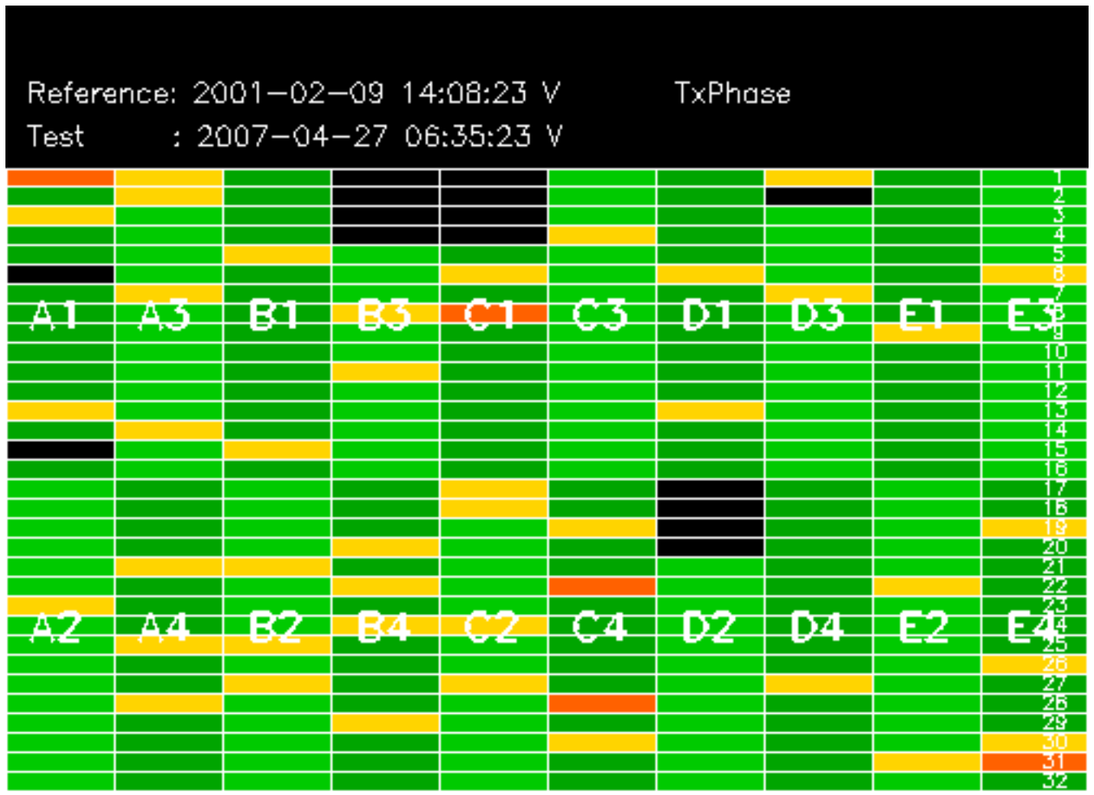
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-27 06:35:23 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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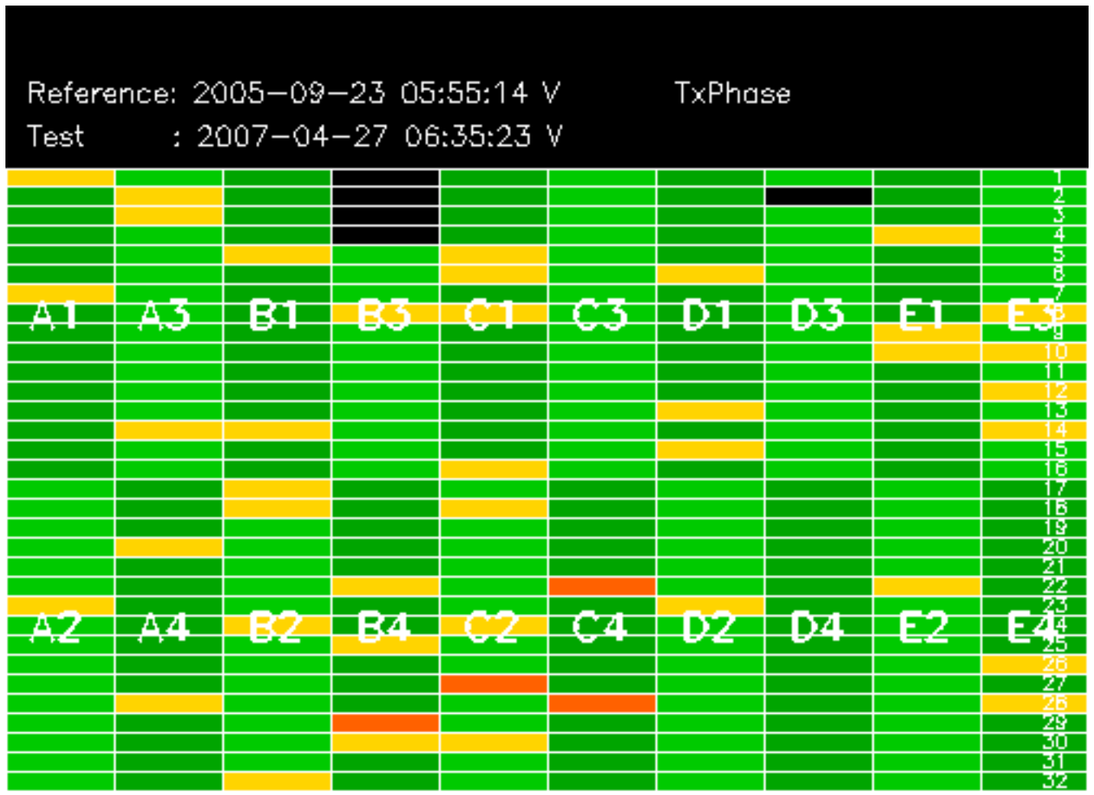
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-27 06:35:23 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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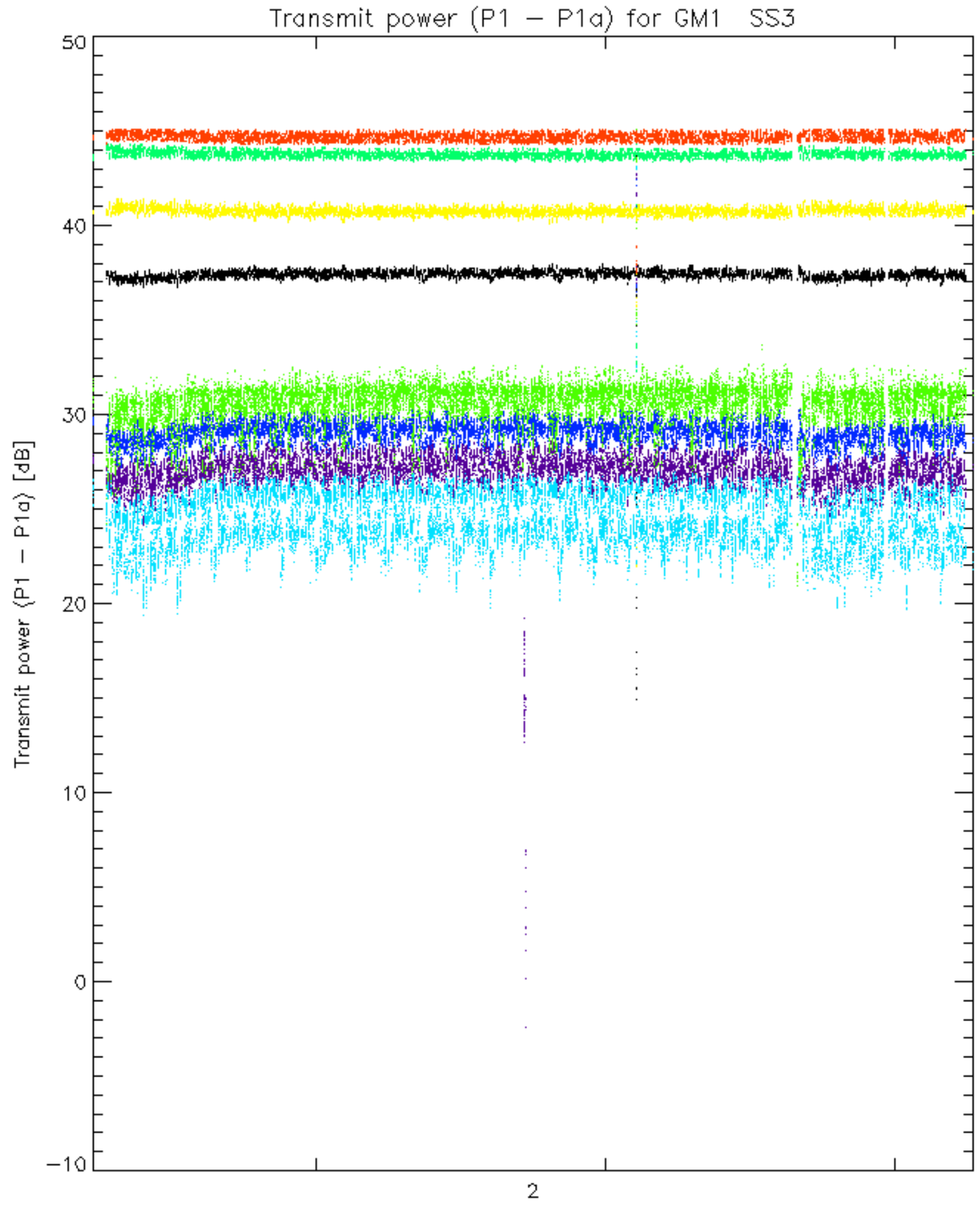
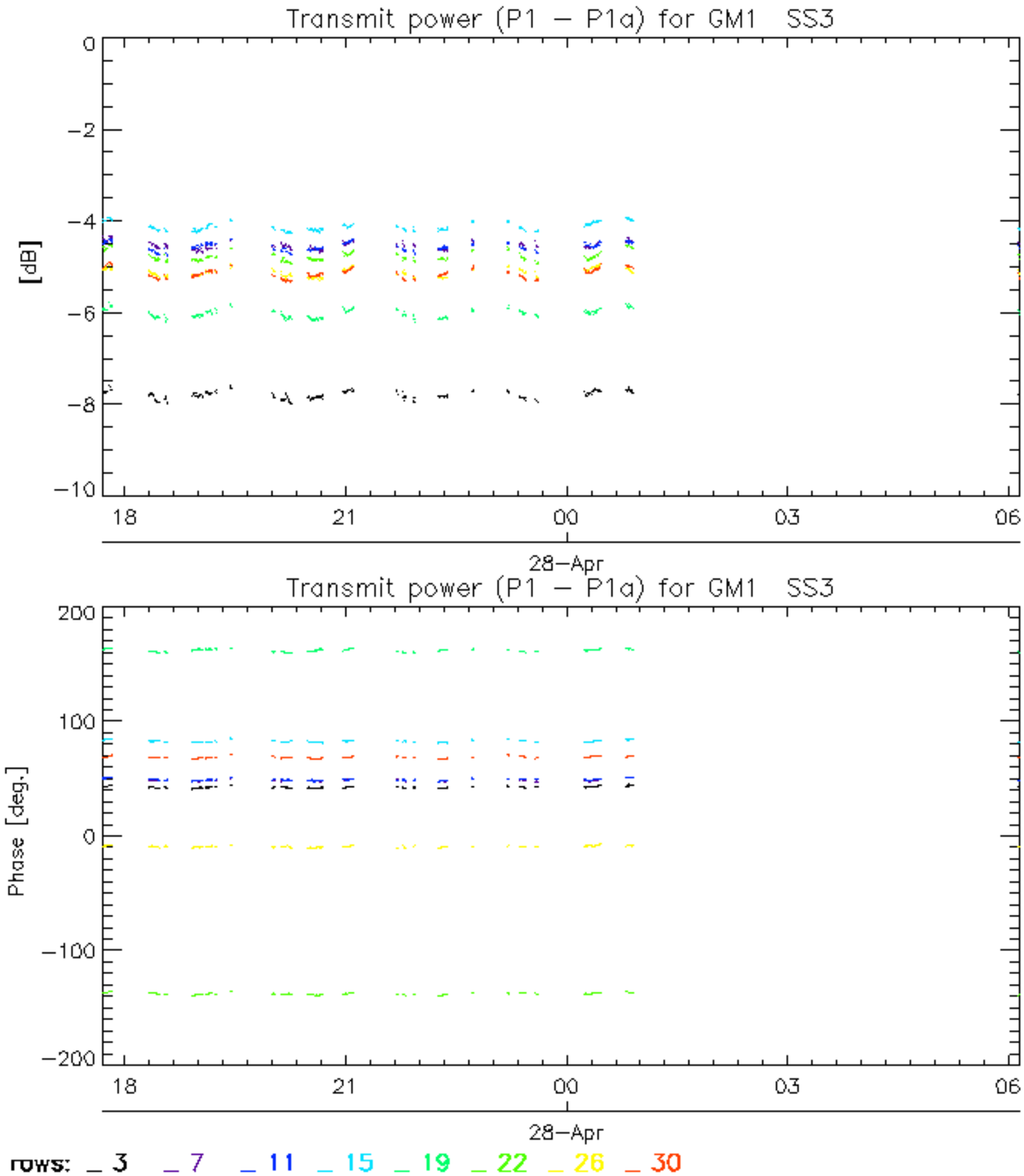
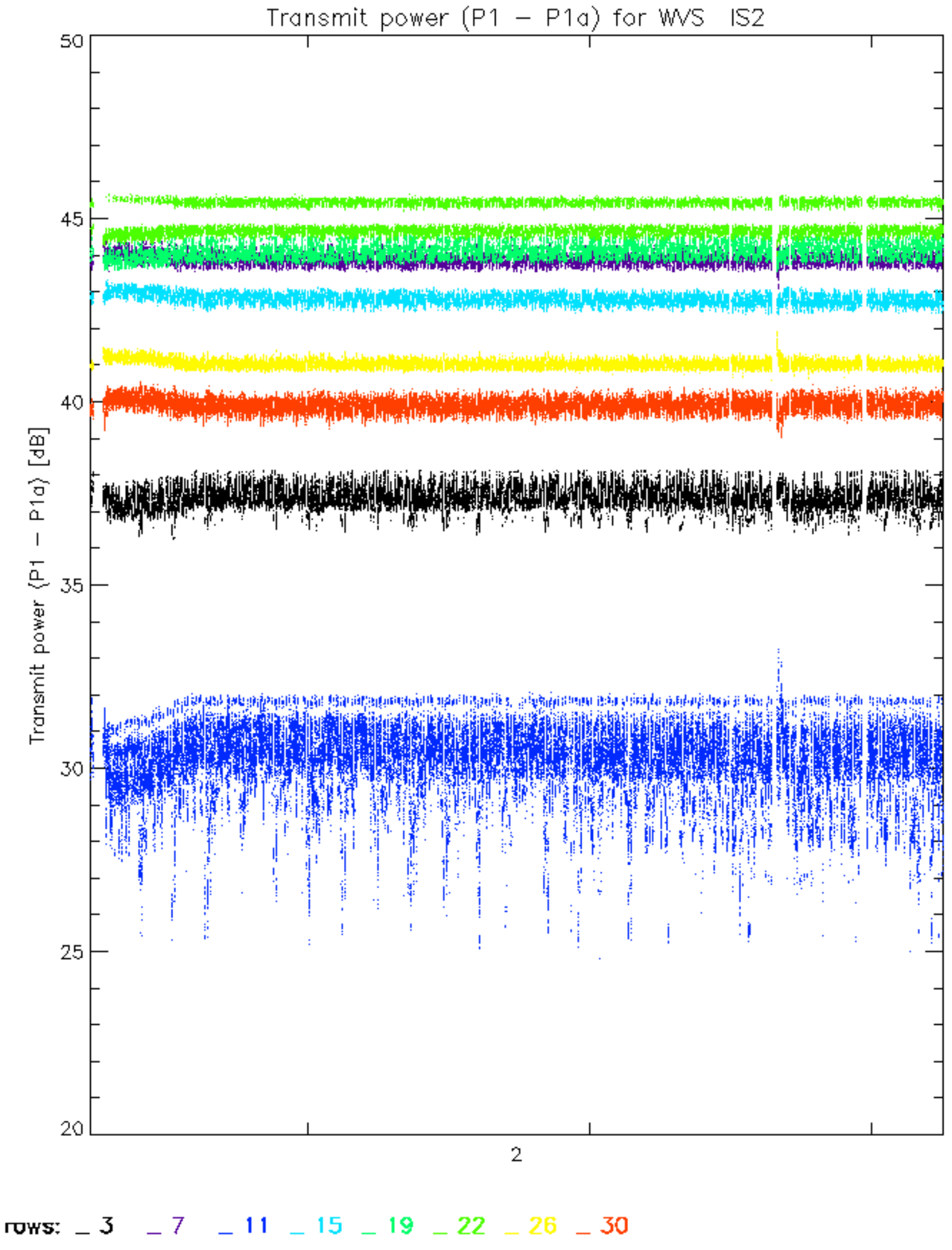
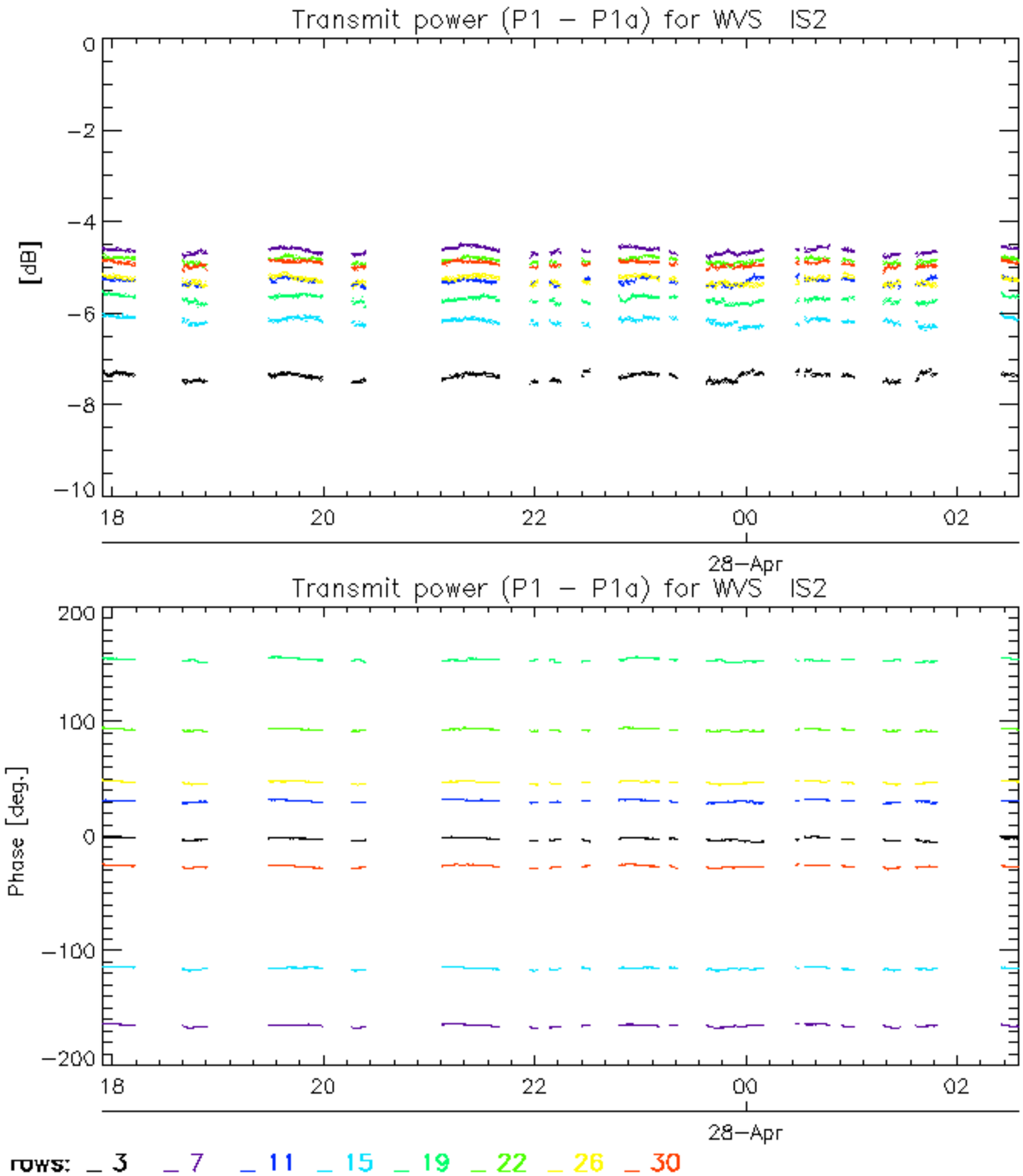

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
28–Apr
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
28–Apr
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 − P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
18
20
22
00
02
28−Apr
Transmit power (P1 − P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
20
22
00
02
28−Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.