PRELIMINARY REPORT OF 070429

last update on Sun Apr 29 18:10:05 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 2007-04-28 00:00:00 to 2007-04-29 18:10:05

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

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	45	89	18	2	28
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	45	89	18	2	28
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	89	18	2	28
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	89	18	2	28

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	44	53	68	12	36
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	44	53	68	12	36
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	44	53	68	12	36
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	53	68	12	36

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	20070429 053209
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
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☒

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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☒

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	-15.090833	0.147502	-0.184391
7	P1a	-17.553289	0.102384	-0.082036
11	P1a	-17.495705	0.351894	-0.702900
15	P1a	-13.002167	0.122788	-0.358570
19	P1a	-15.337043	0.069956	-0.328100
22	P1a	-15.910599	0.413635	-0.373693
26	P1a	-15.025467	0.214843	0.409665
30	P1a	-17.700073	0.340299	-0.626521

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.768620	0.010665	-0.048953
7	P1	-3.147289	0.008912	-0.012158
11	P1	-4.209221	0.012250	-0.016097
15	P1	-6.408278	0.019661	-0.132029
19	P1	-3.784140	0.010833	0.041552
22	P1	-4.748715	0.009413	-0.033458
26	P1	-3.918327	0.019447	0.082481
30	P1	-5.967621	0.009381	0.018987

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.660955	0.090436	-0.015917
7	P2	-21.560024	0.088336	0.114466
11	P2	-15.354277	0.116397	0.204318
15	P2	-7.126411	0.088674	-0.021832
19	P2	-9.117095	0.080364	0.018343
22	P2	-18.086420	0.076898	0.011432
26	P2	-16.618429	0.081705	-0.063731
30	P2	-19.277020	0.082307	0.049868

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.244597	0.005363	-0.004563
7	P3	-8.244597	0.005363	-0.004563
11	P3	-8.244597	0.005363	-0.004563
15	P3	-8.244597	0.005363	-0.004563
19	P3	-8.244597	0.005363	-0.004563
22	P3	-8.244597	0.005363	-0.004563
26	P3	-8.244597	0.005363	-0.004563
30	P3	-8.244597	0.005363	-0.004563

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	-11.204772	0.132326	-0.122424
7	P1a	-10.064185	0.203780	0.014478
11	P1a	-10.686732	0.100275	0.052526
15	P1a	-10.836508	0.168318	0.108520
19	P1a	-15.804335	0.090294	-0.102883
22	P1a	-21.388903	1.457708	-0.470160
26	P1a	-15.507499	0.378643	-0.276560
30	P1a	-18.308340	0.466206	0.233139

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453896	0.052671	-0.012052
7	P1	-2.409875	0.111476	0.050781
11	P1	-2.888767	0.025792	0.065081
15	P1	-3.818227	0.037881	0.053411
19	P1	-3.587713	0.014772	-0.024972
22	P1	-4.970918	0.023533	0.085148
26	P1	-6.035667	0.027537	-0.035780
30	P1	-5.337329	0.033290	-0.019300

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.178905	0.065599	-0.086138
7	P2	-22.039661	0.203789	-0.039645
11	P2	-10.635445	0.045125	-0.032074
15	P2	-4.921449	0.041807	-0.076808
19	P2	-6.869446	0.040129	-0.027998
22	P2	-8.109973	0.093706	0.012940
26	P2	-24.323132	0.151494	-0.035646
30	P2	-21.712029	0.110299	0.049612

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091408	0.004984	-0.005605
7	P3	-8.091401	0.004984	-0.005240
11	P3	-8.091224	0.004981	-0.005462
15	P3	-8.091109	0.004985	-0.005415
19	P3	-8.091306	0.005002	-0.005384
22	P3	-8.091225	0.004969	-0.005109
26	P3	-8.091233	0.004986	-0.004889
30	P3	-8.091187	0.004978	-0.005210

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000545498
	stdev	1.99595e-07
MEAN Q	mean	0.000495345
	stdev	2.42397e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135675
	stdev	0.00122530
STDEV Q	mean	0.136067
	stdev	0.00124288

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007042[789]
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_IMM_1PNPDE20070428_182646_000000352057_00371_26978_0556.N1	0	15
ASA_GM1_1PNPDK20070428_150338_000003682057_00369_26976_6468.N1	0	15
ASA_GM1_1PNPDK20070428_164337_000002952057_00370_26977_6598.N1	0	7
ASA_GM1_1PNPDK20070428_171029_000007972057_00370_26977_6713.N1	0	6
ASA_WSM_1PNPDE20070429_014749_000000852057_00375_26982_1133.N1	0	73
ASA_WSM_1PNPDK20070427_135549_000000852057_00354_26961_5249.N1	0	52
ASA_WSM_1PNPDK20070427_191220_000000852057_00357_26964_5559.N1	0	1
ASA_APM_1PNPDE20070429_011649_000000832057_00375_26982_1129.N1	15	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

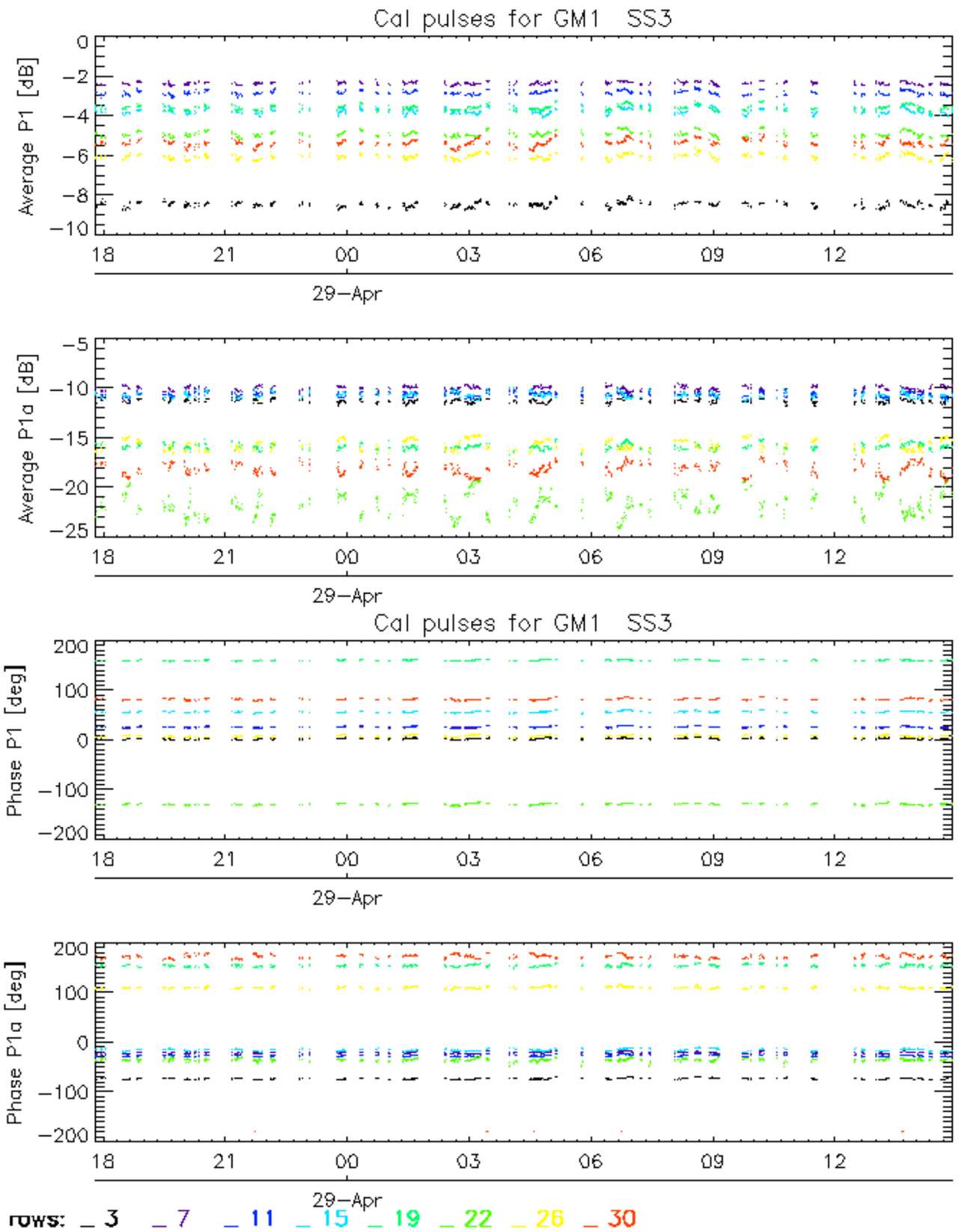
Evolution of Absolute Doppler

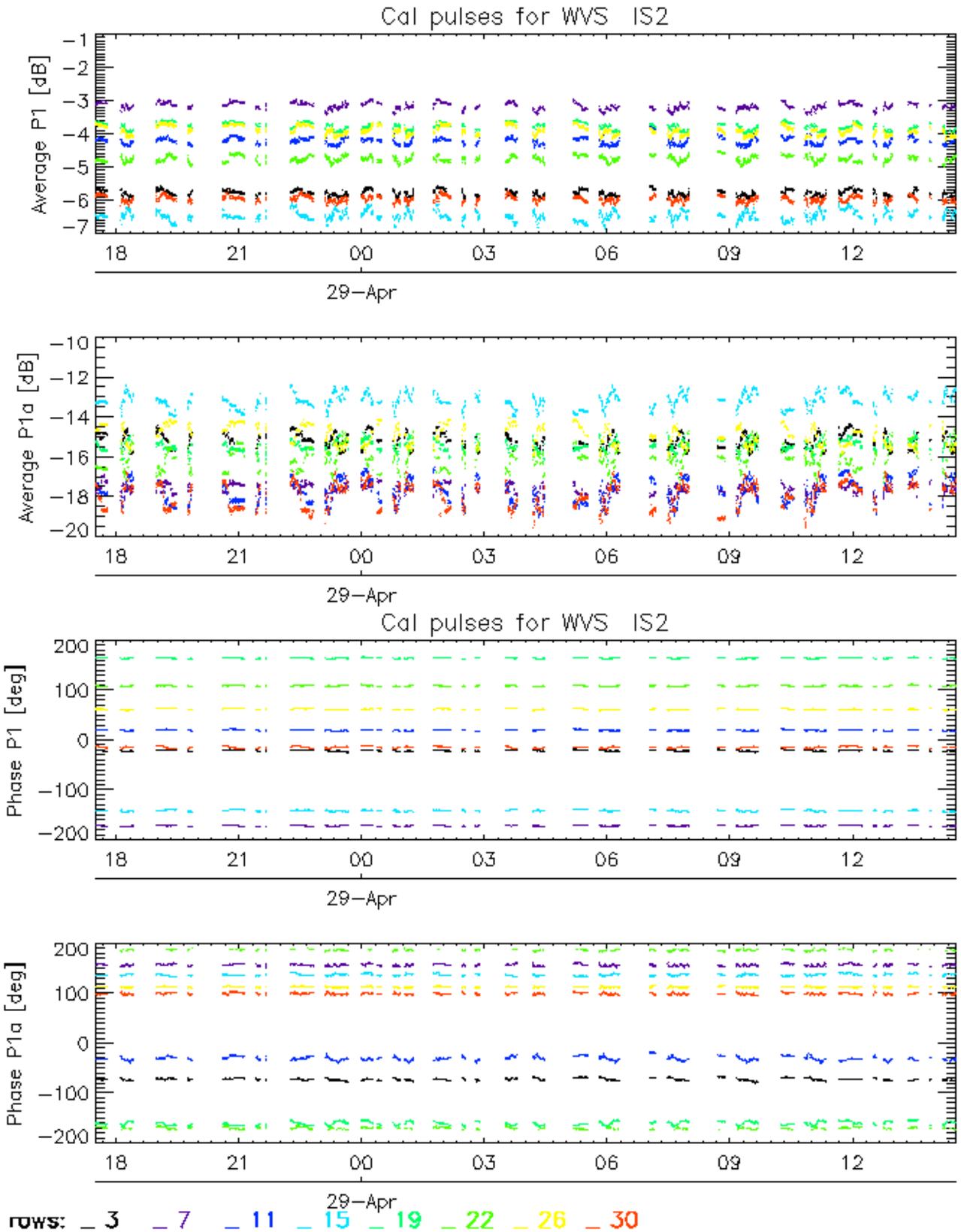
Acsending

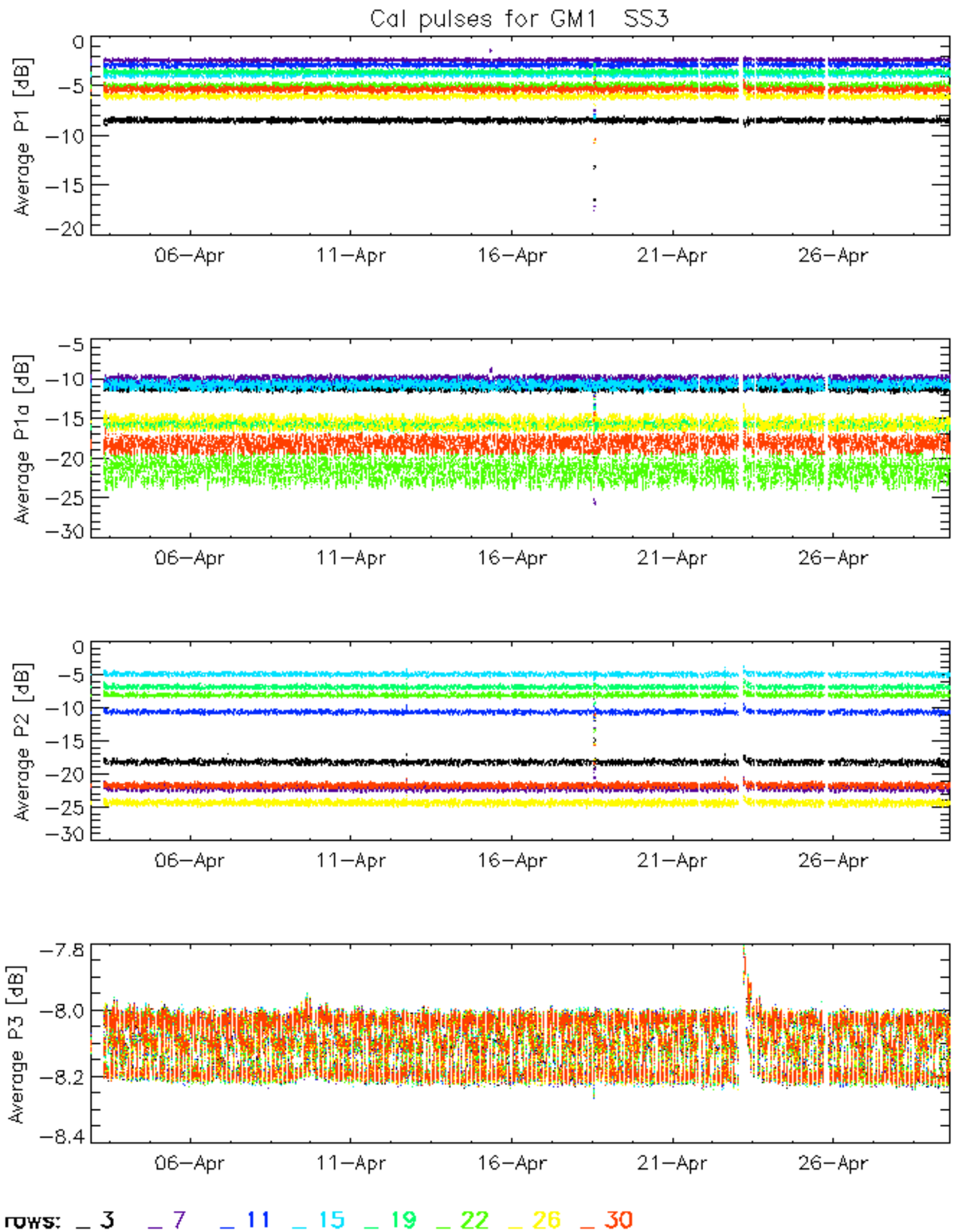
Descending

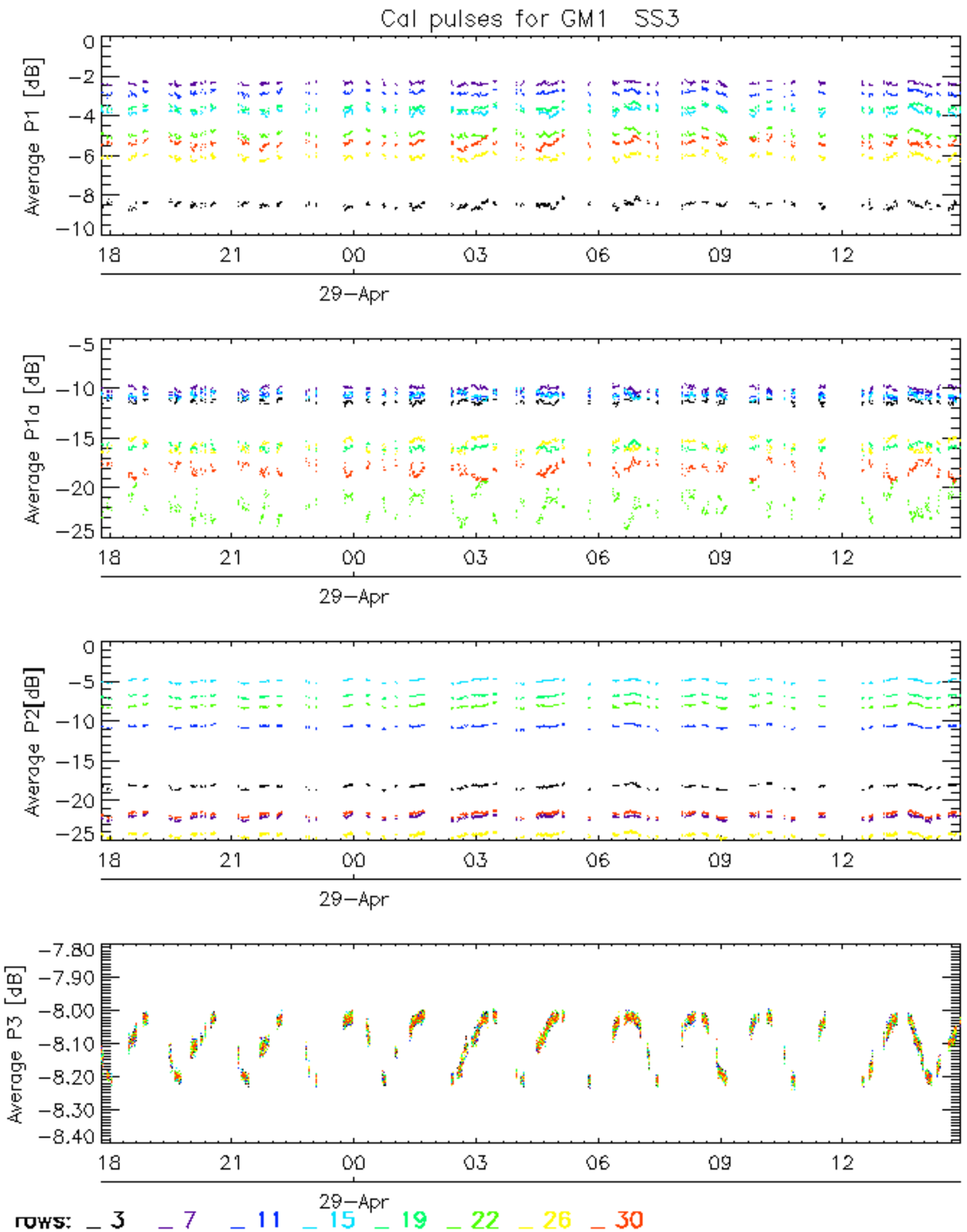
7.6 - Doppler evolution versus ANX for GM1

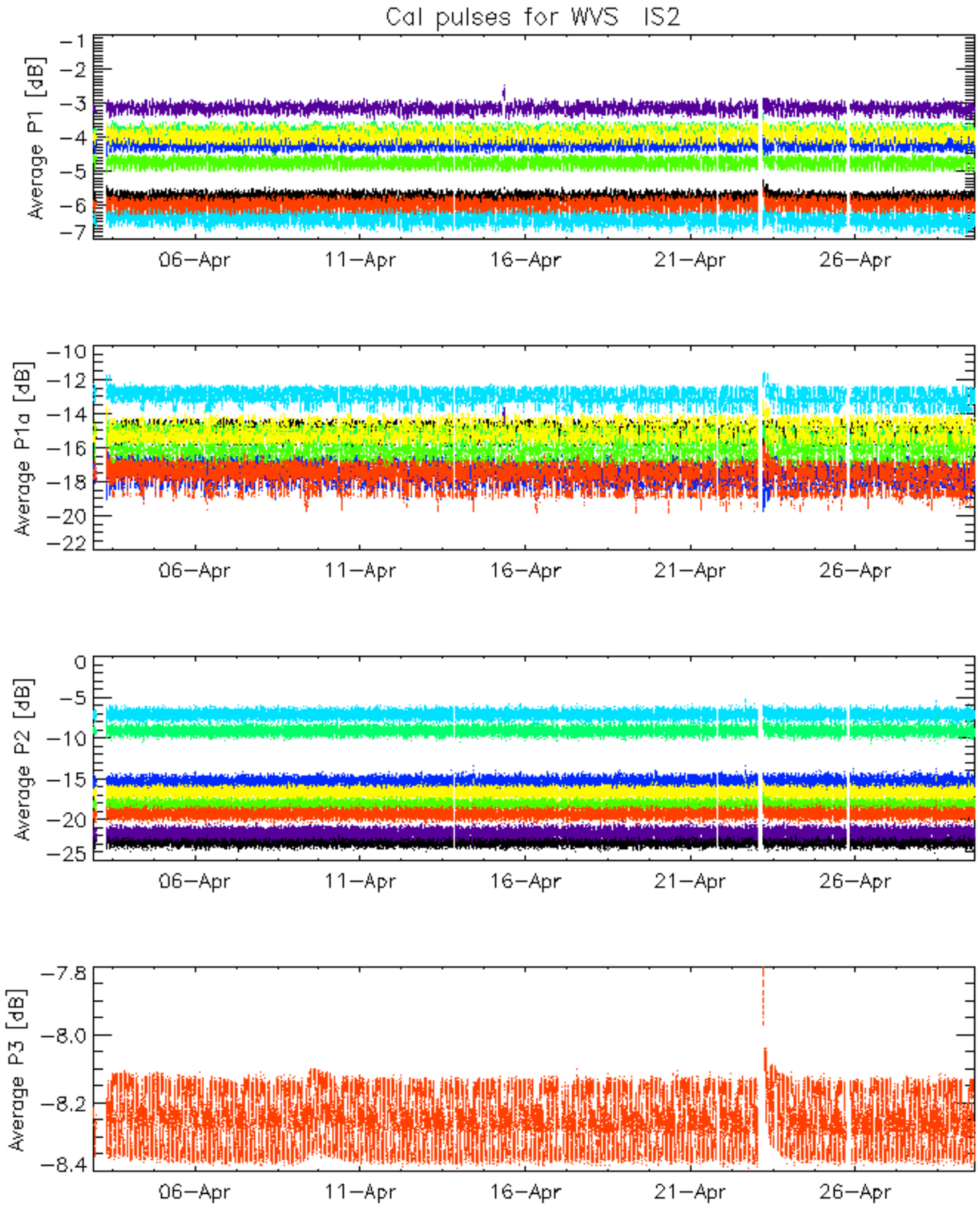
Evolution Doppler error versus ANX

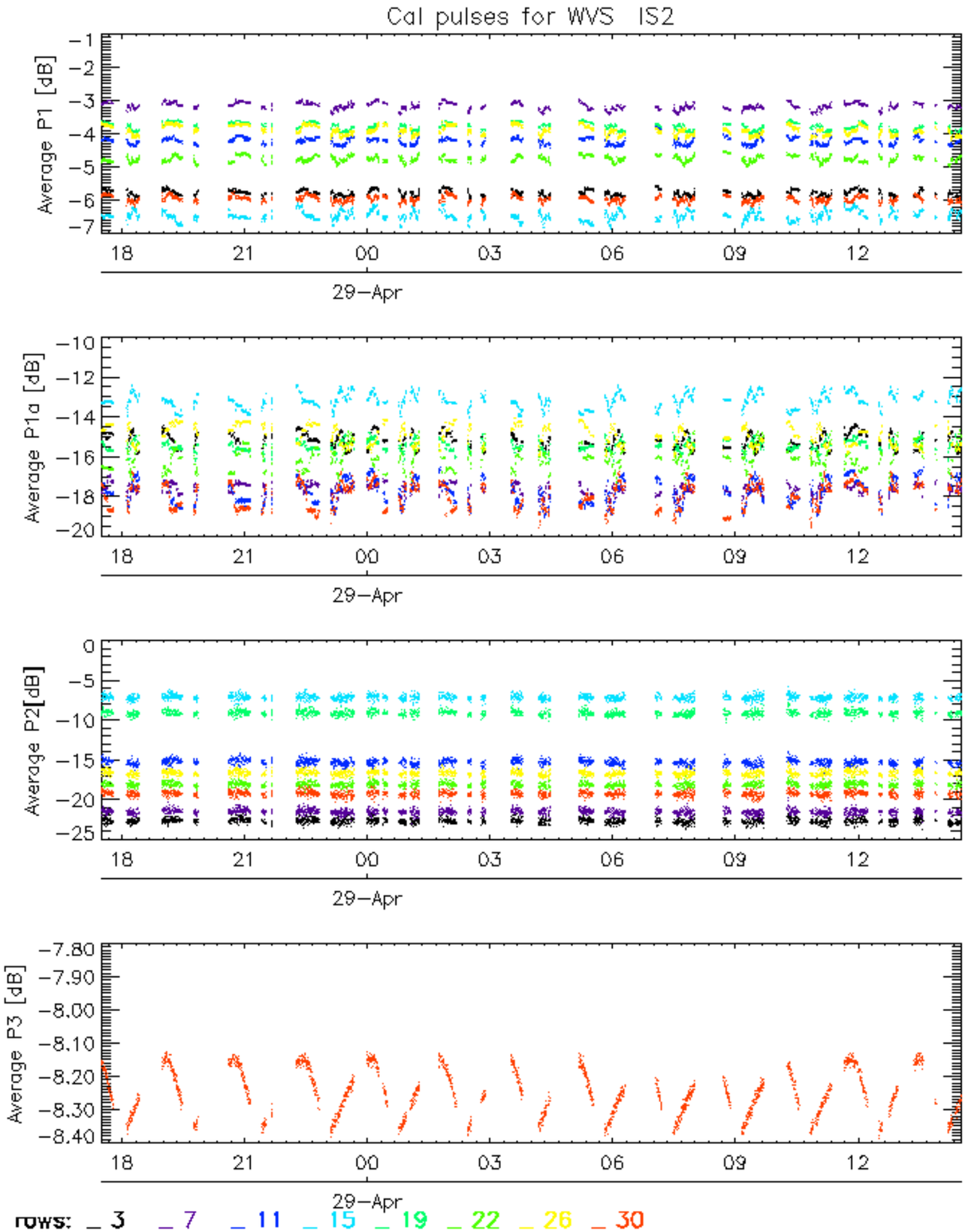


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
29−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Apr
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Apr
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
12
29−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
12
29−Apr
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Apr
rows: 3 7 11 15 19 22 26 30

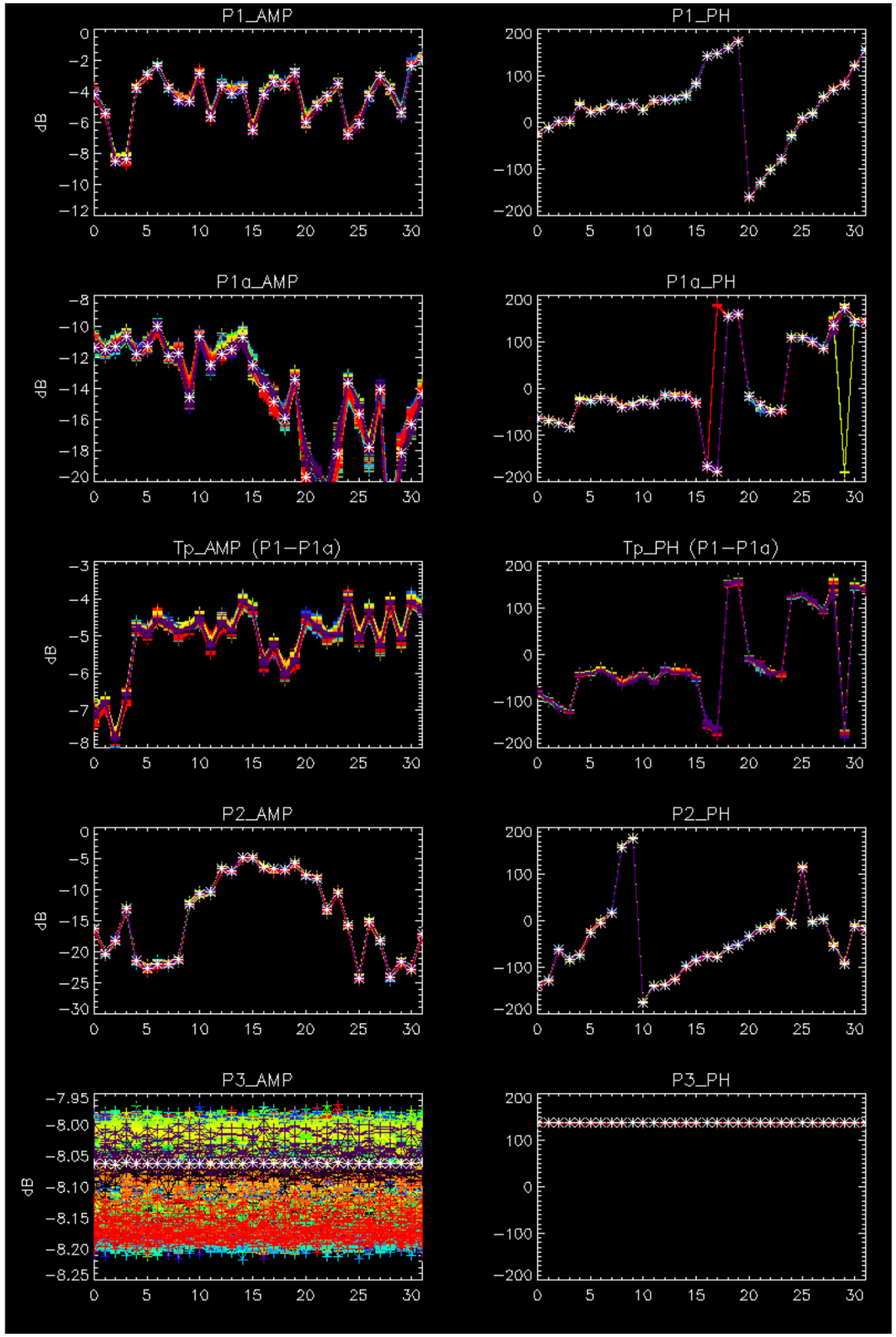

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

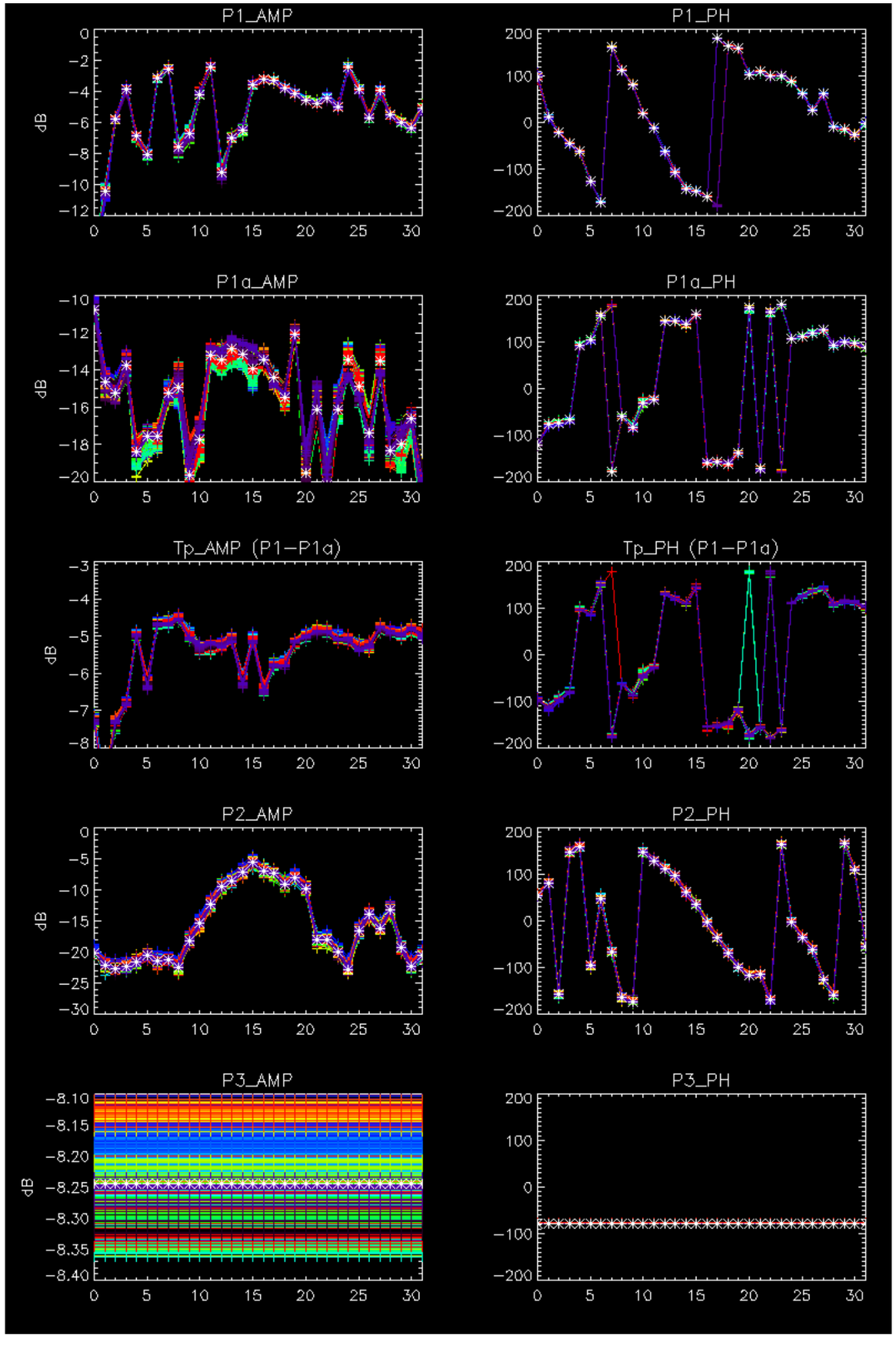

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
29−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
29−Apr
rows: _ 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
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
21−Apr
26−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
21
00
03
06
09
12
29−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
12
29−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
29−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

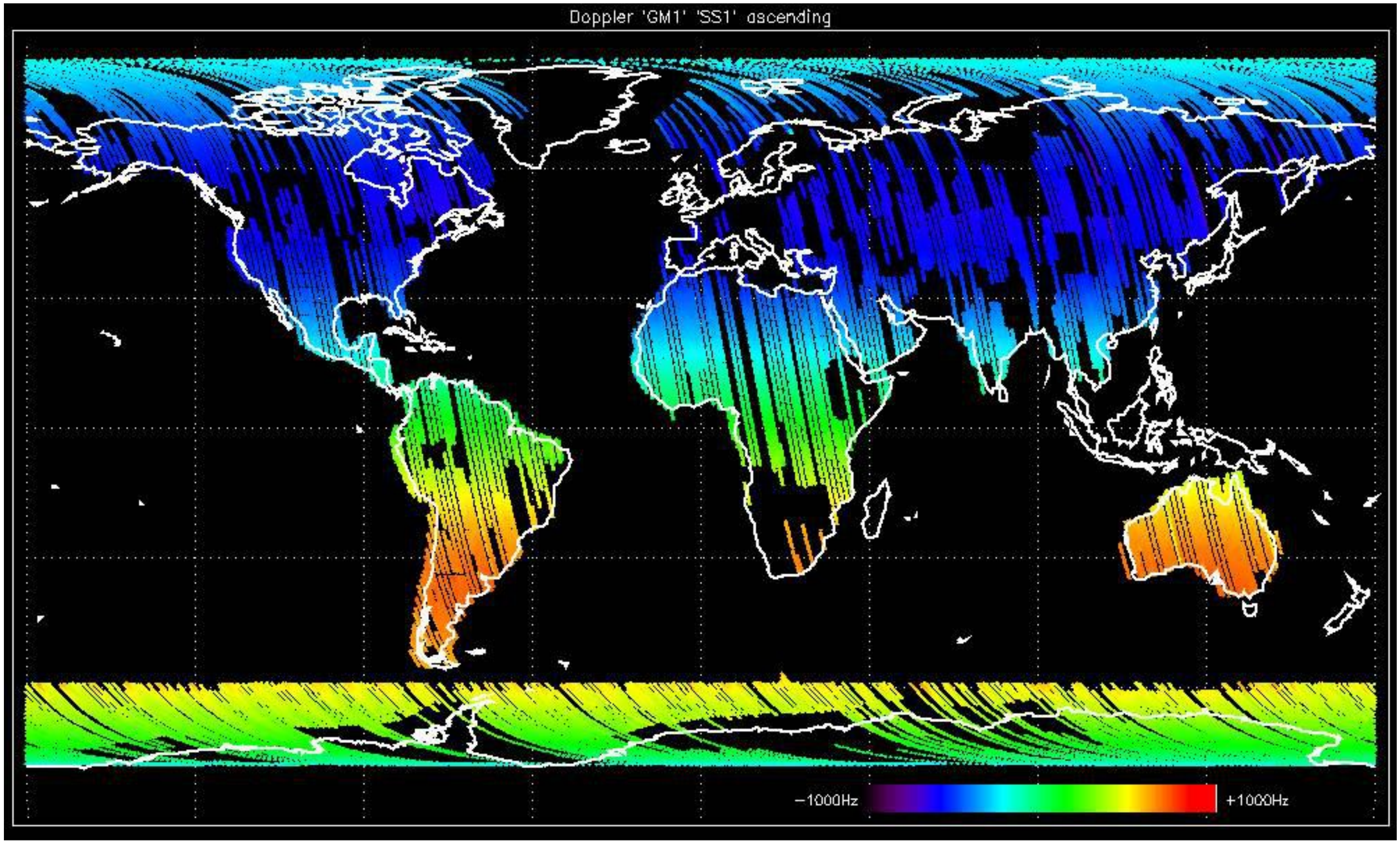
No anomalies observed.

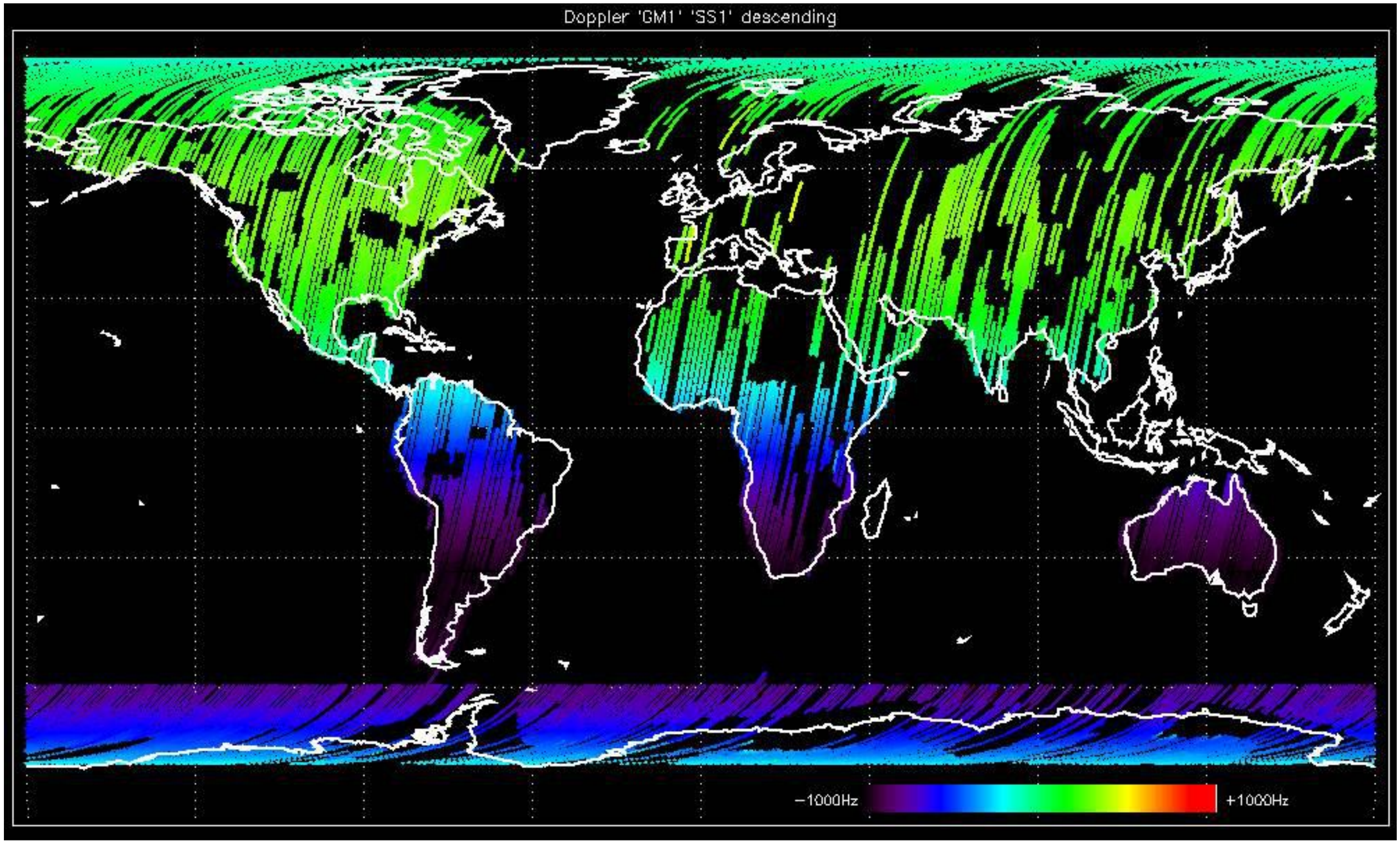

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

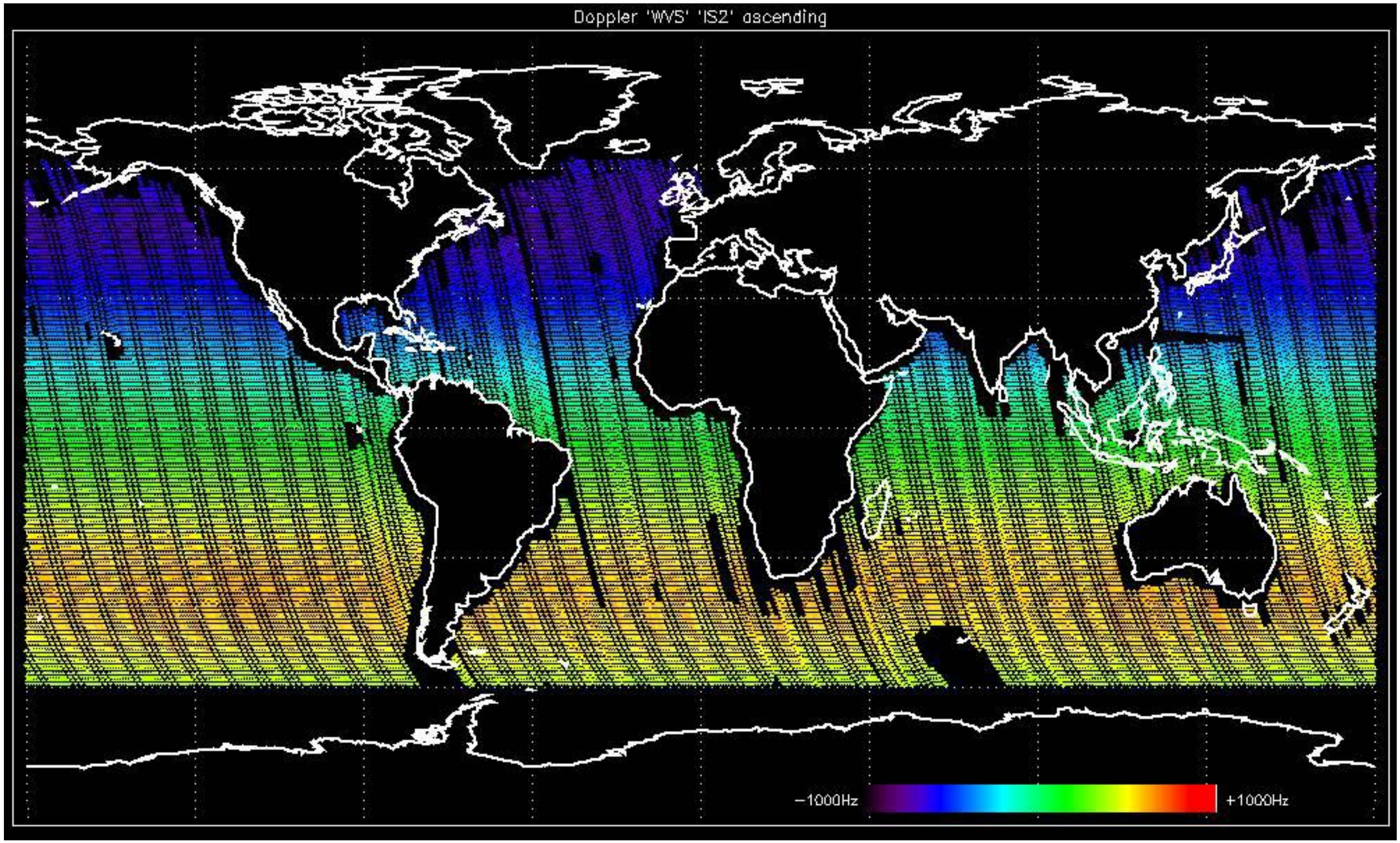

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

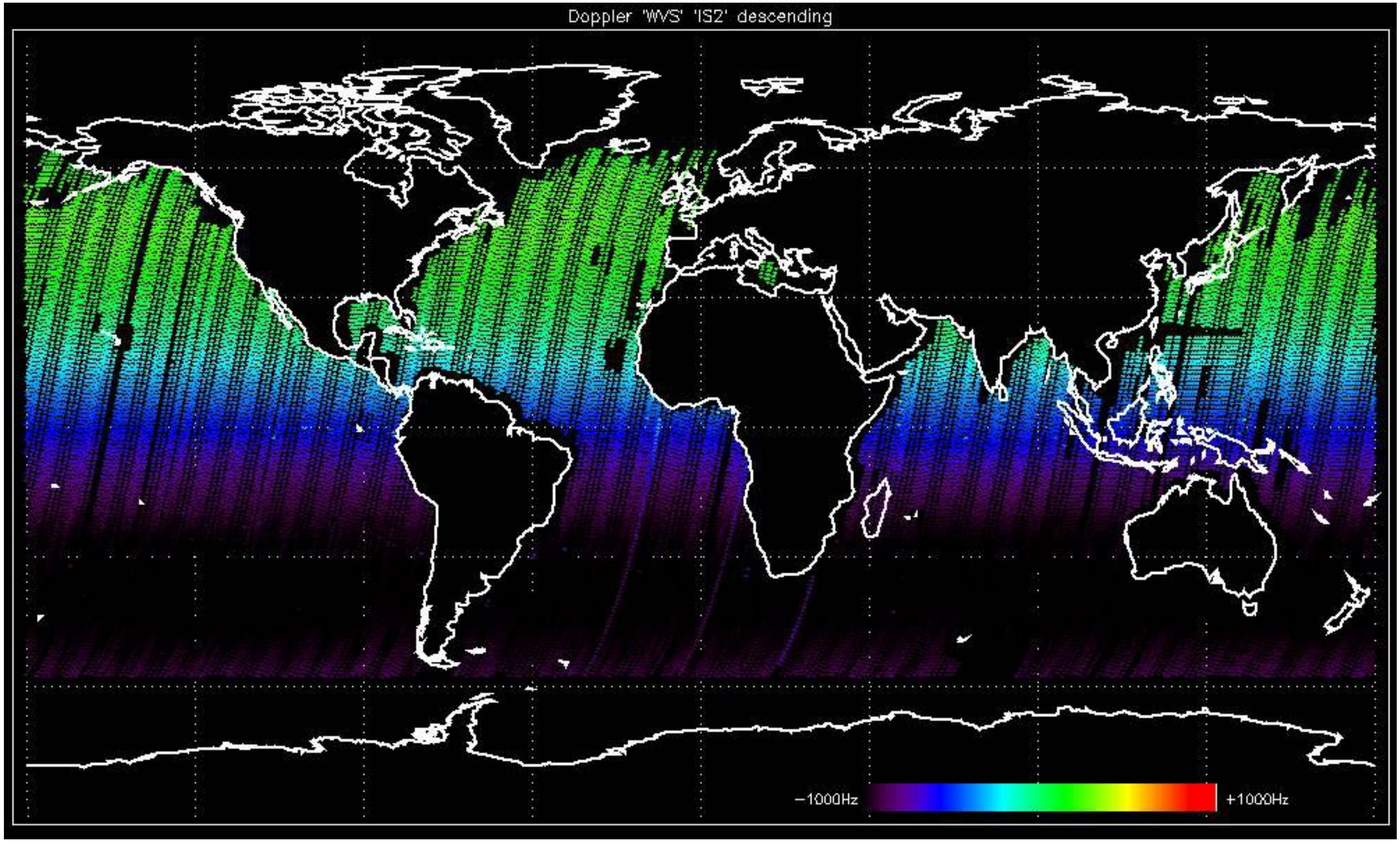
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

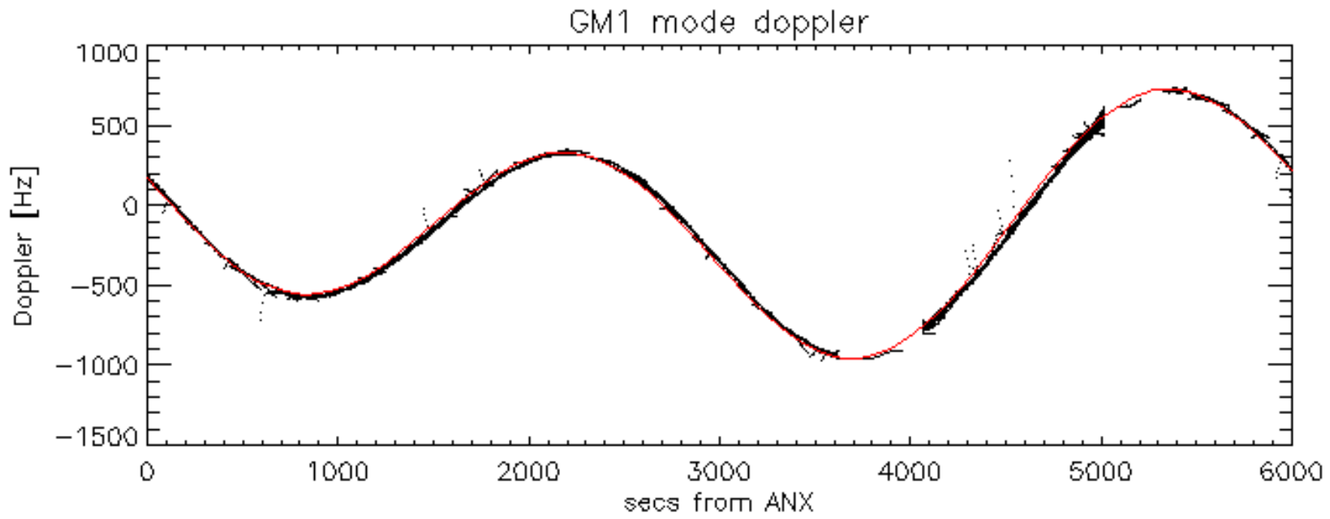
Preliminary report.The data is not yet controled

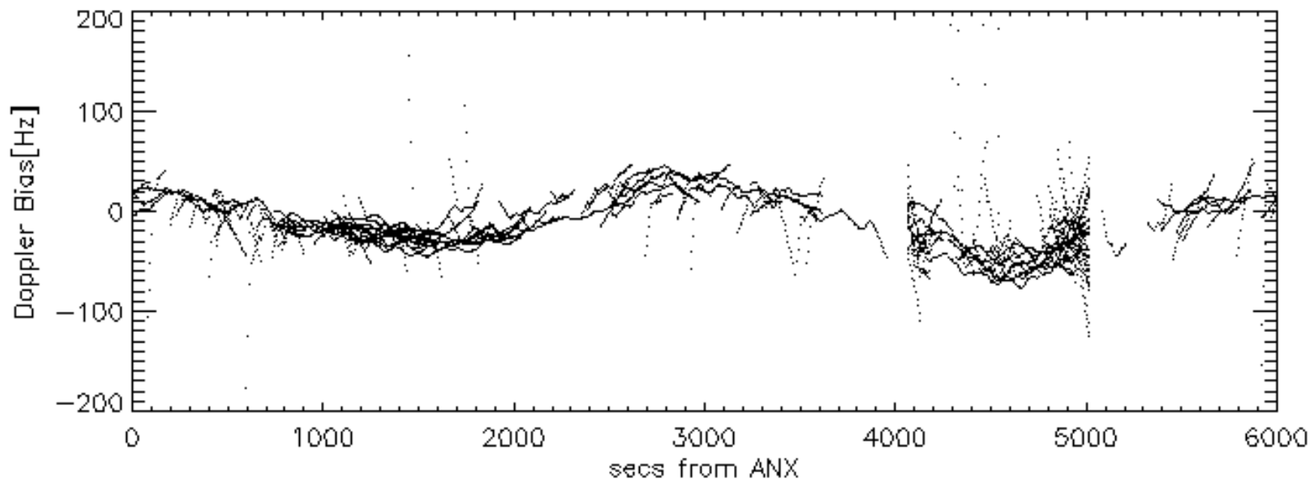

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

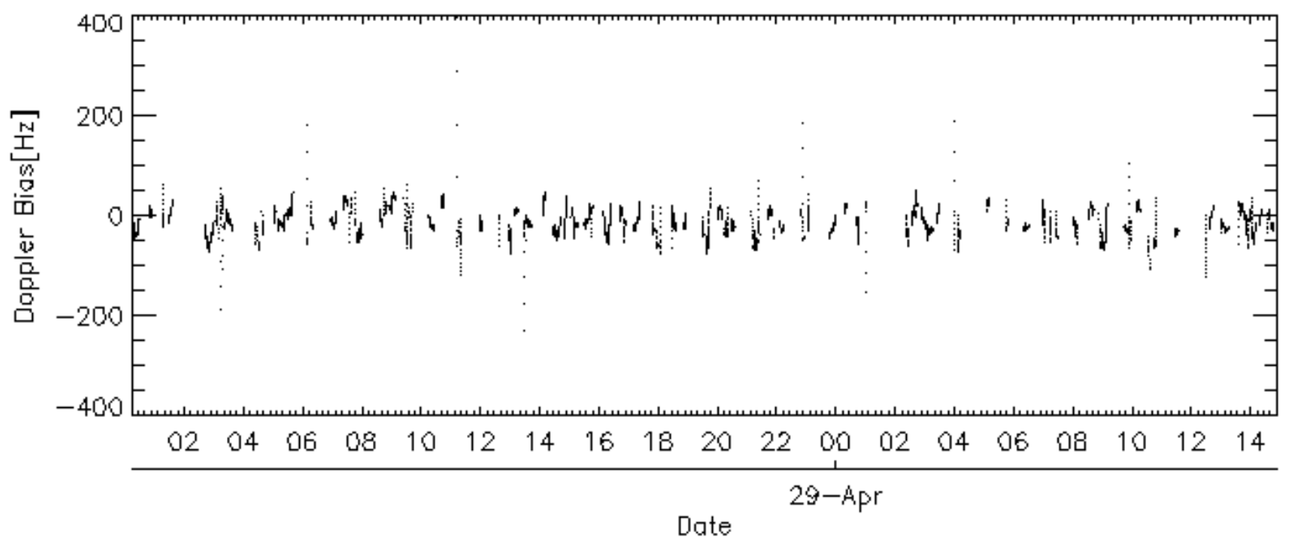

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

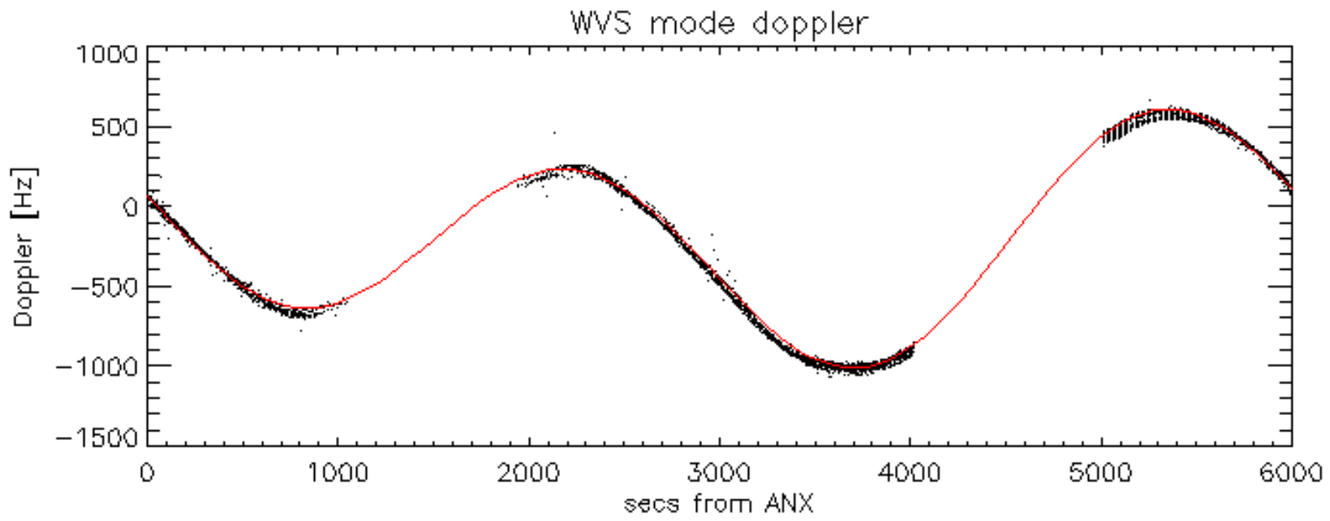

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

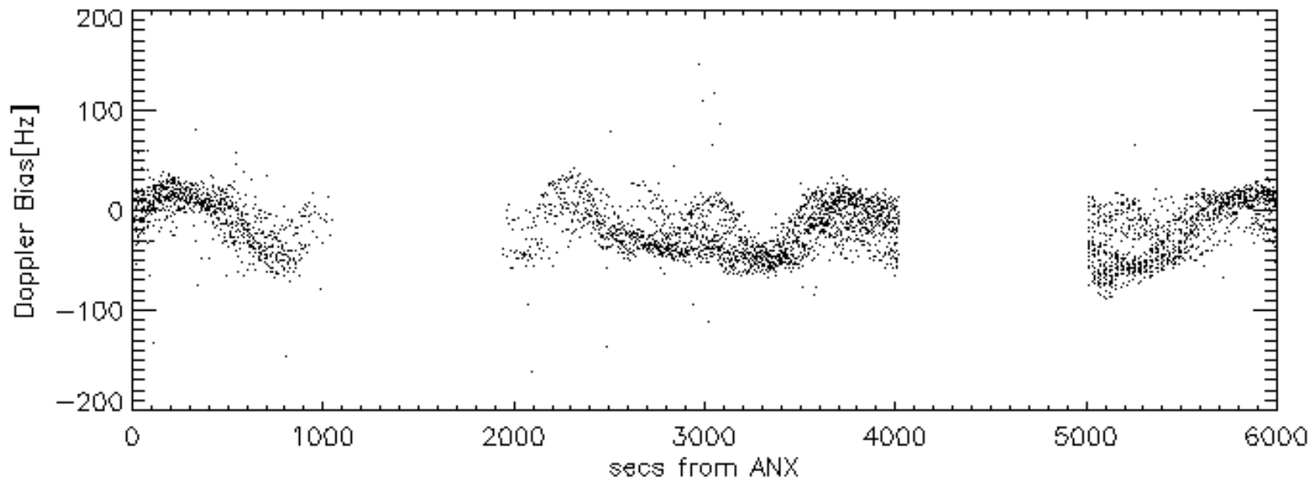

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

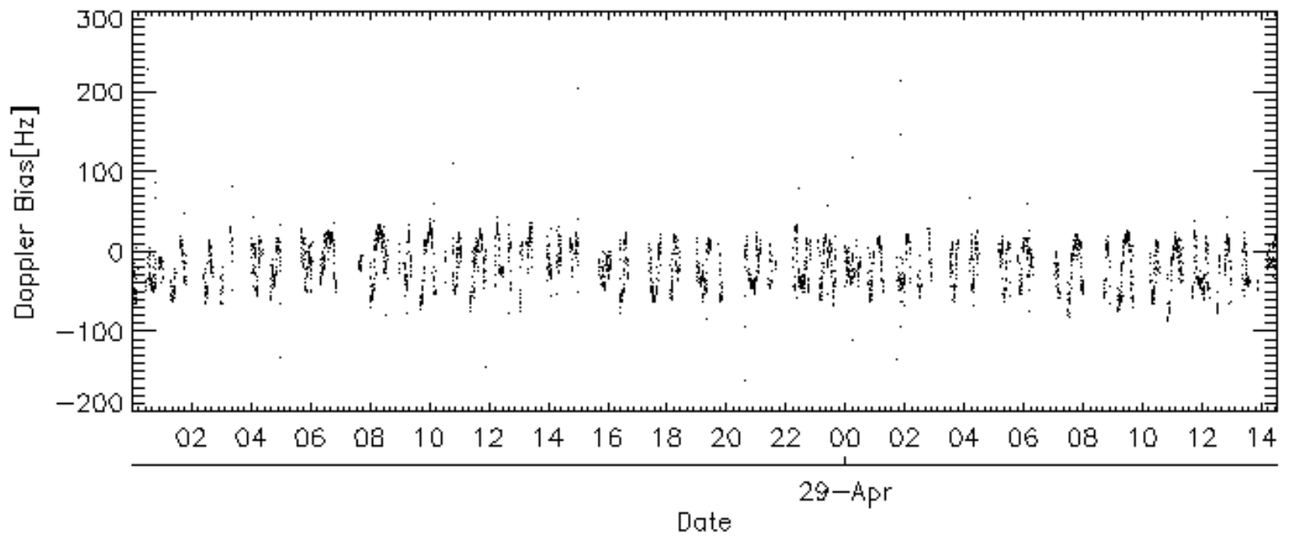

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

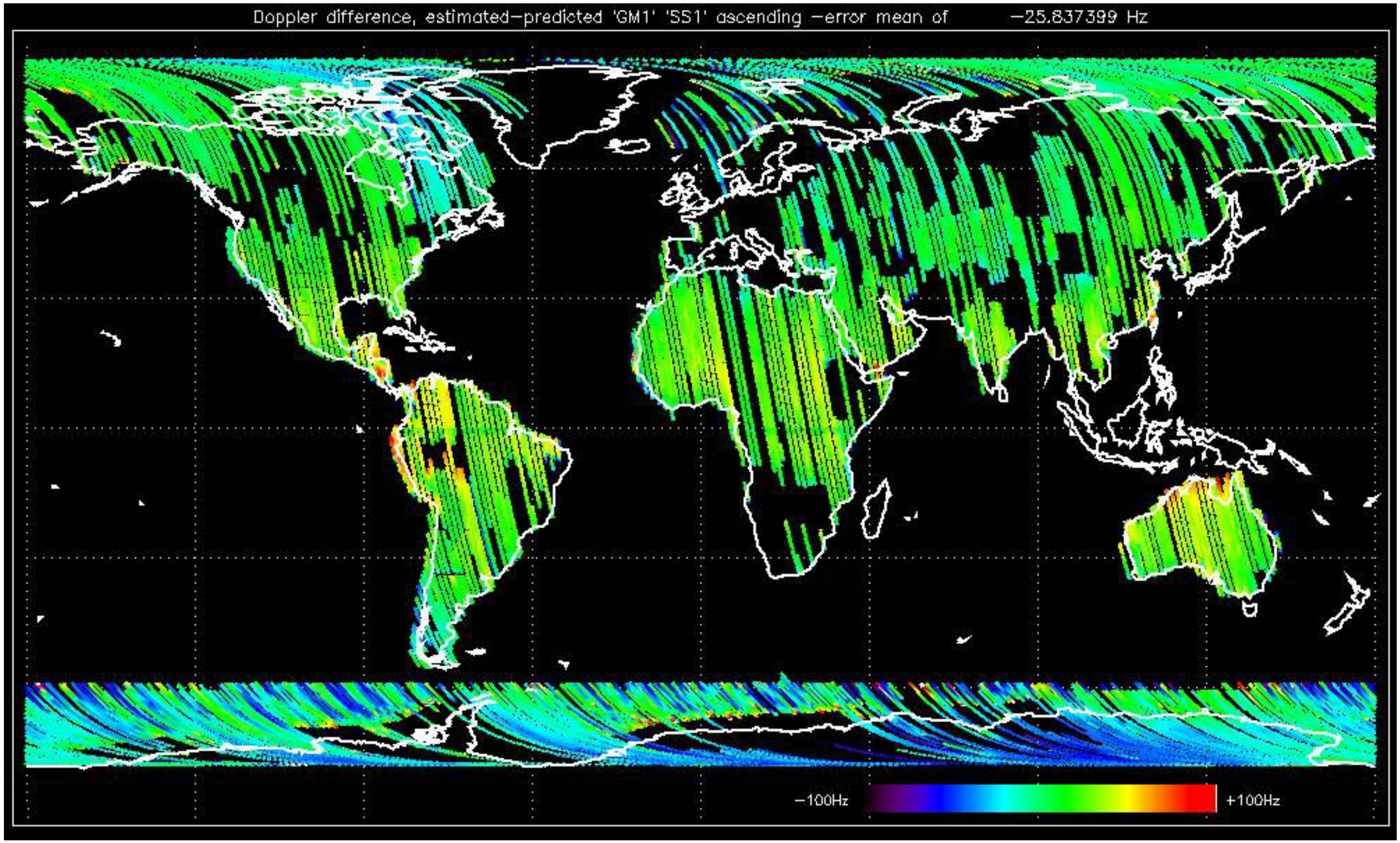

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

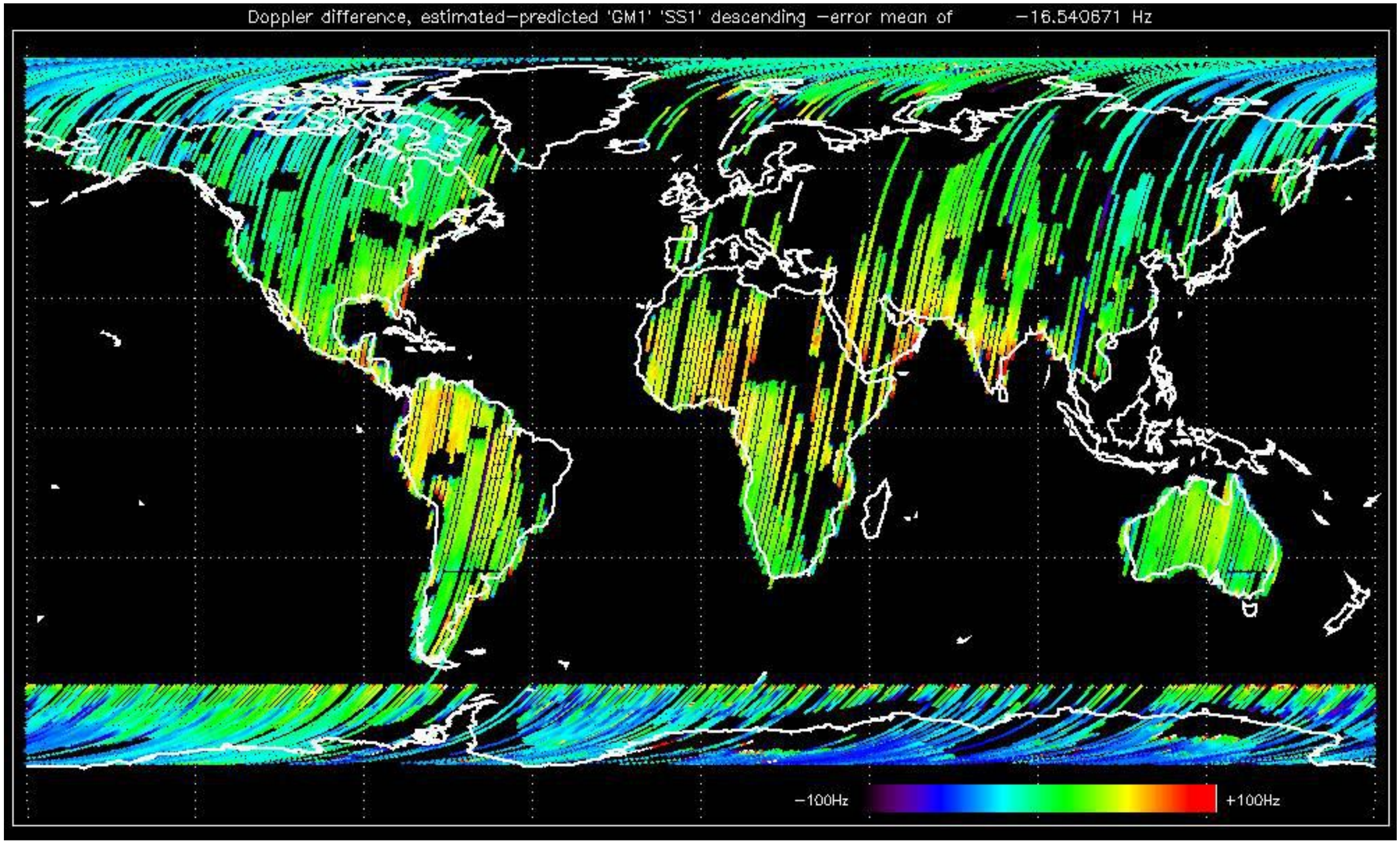

Doppler Bias[Hz]
400
200
0
−200
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
29−Apr
Date

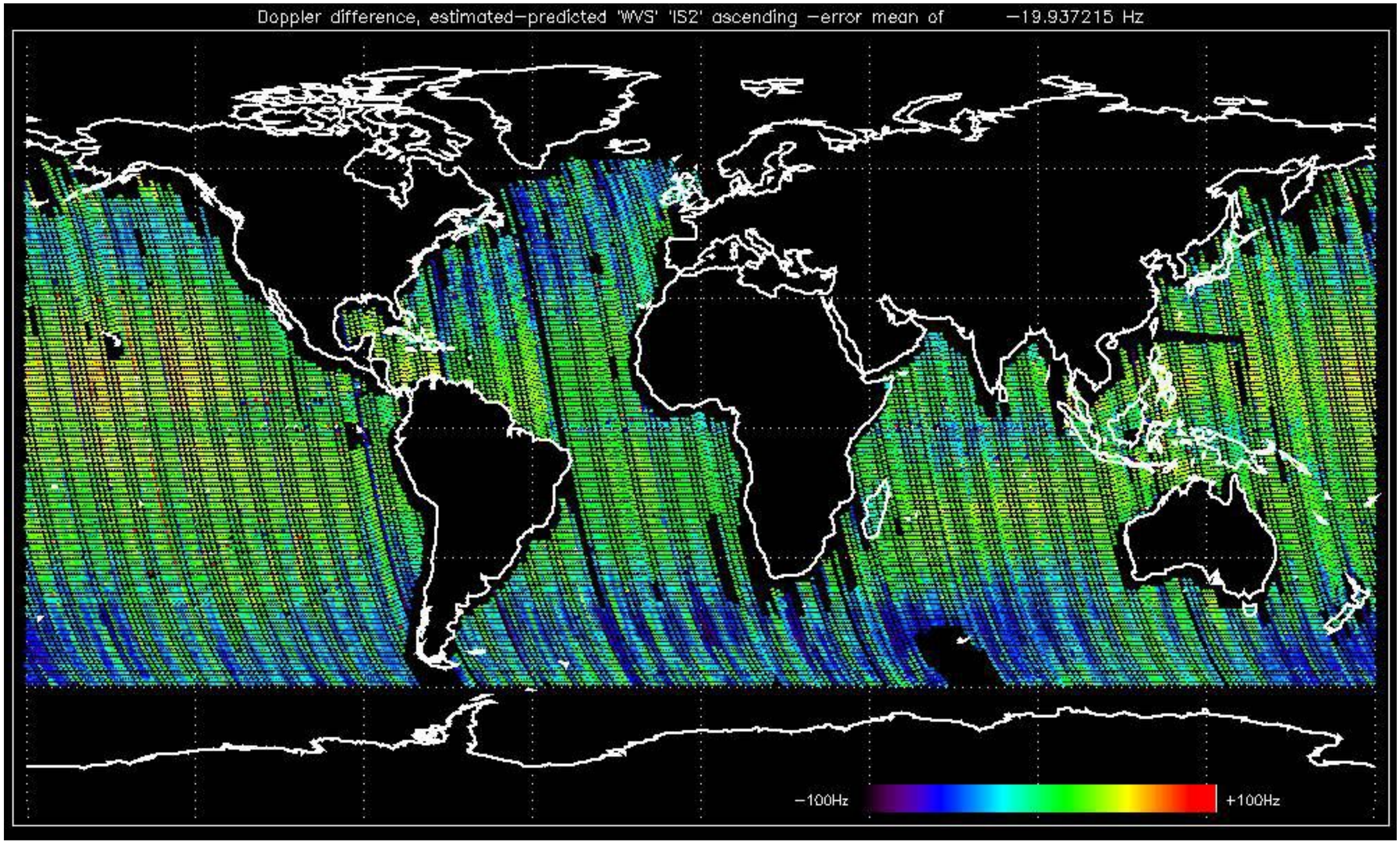

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

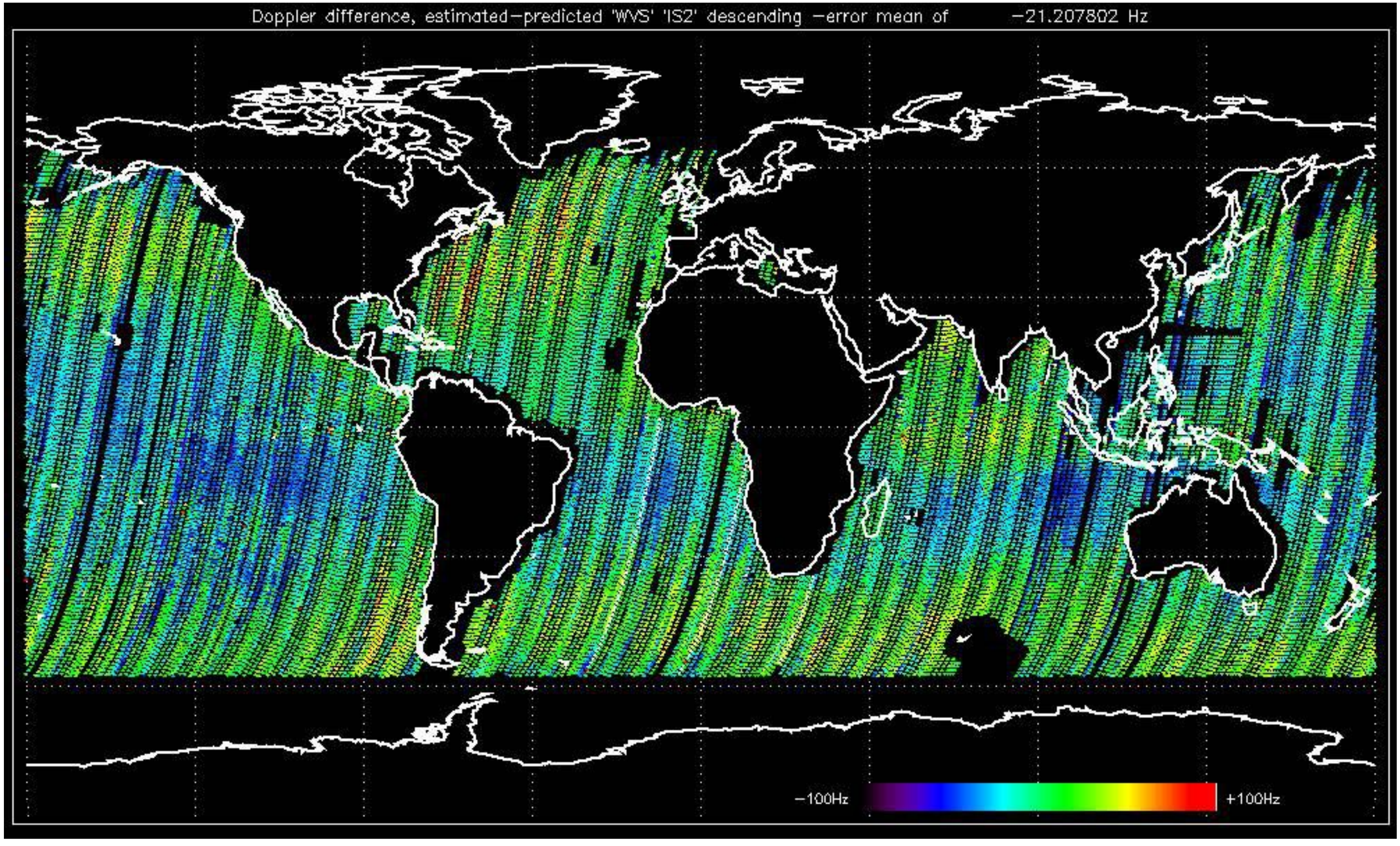

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −25.837399 Hz
−100Hz
+100Hz

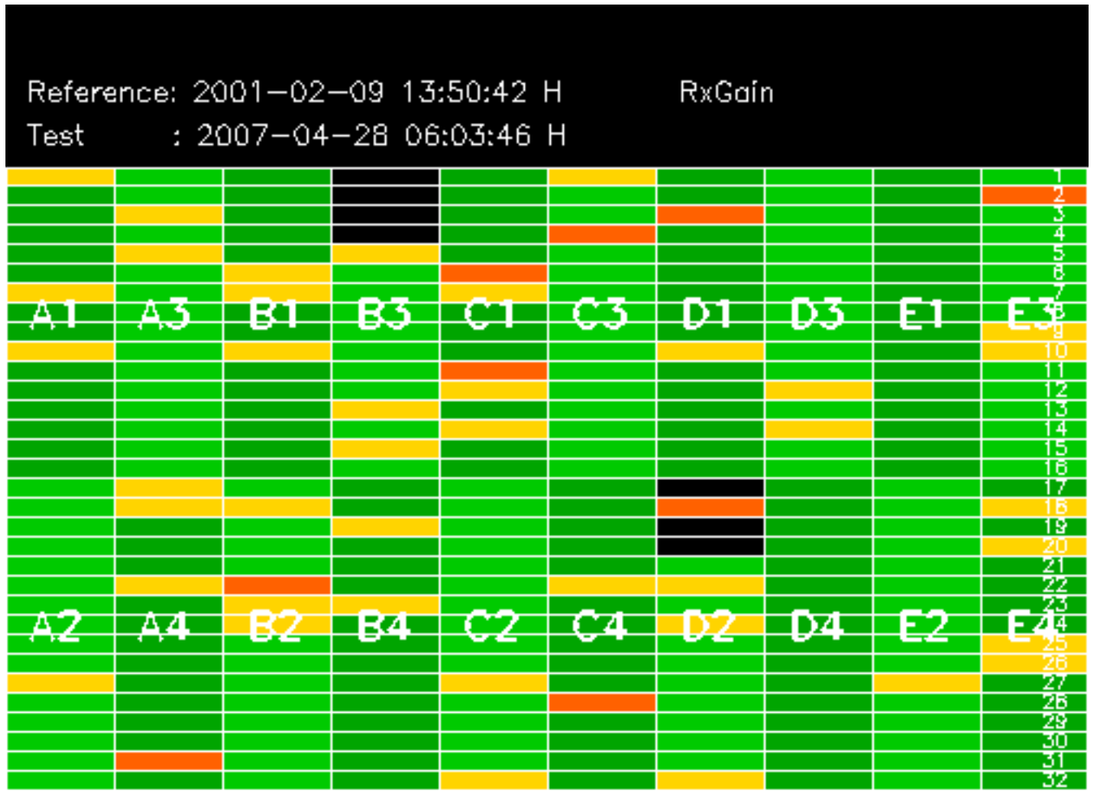

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.540671 Hz
-100Hz
+100Hz

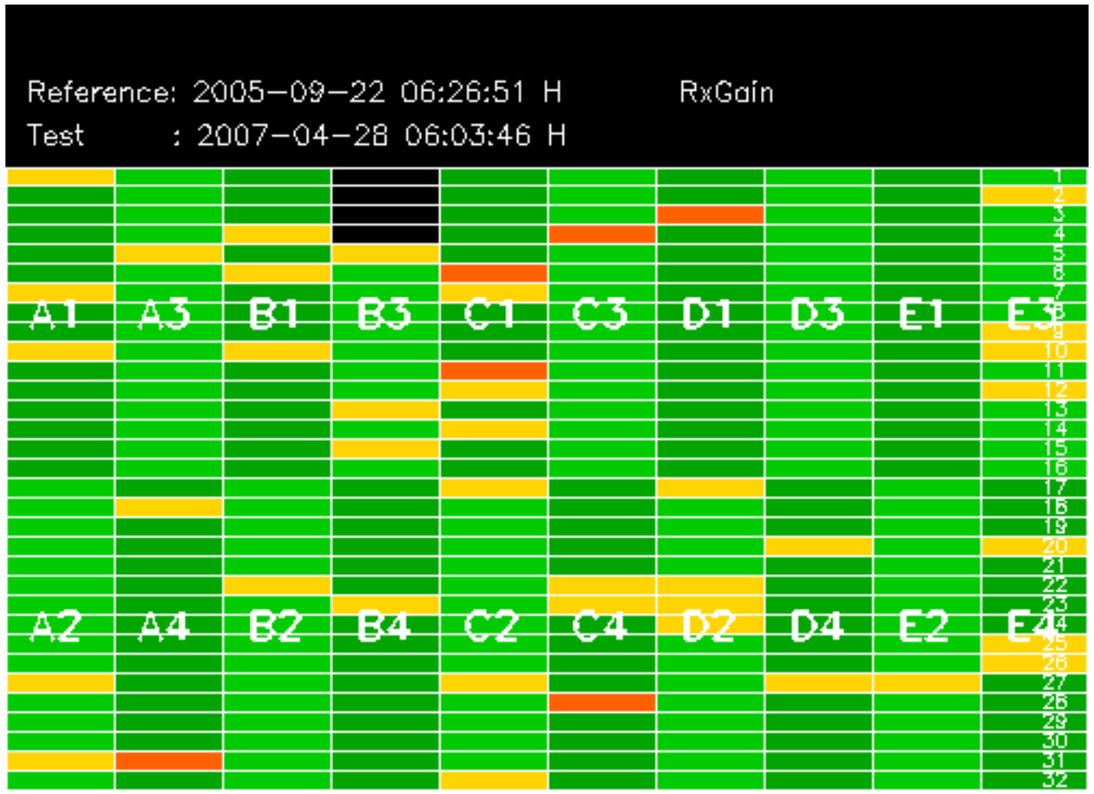

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −19.937215 Hz
−100Hz
+100Hz

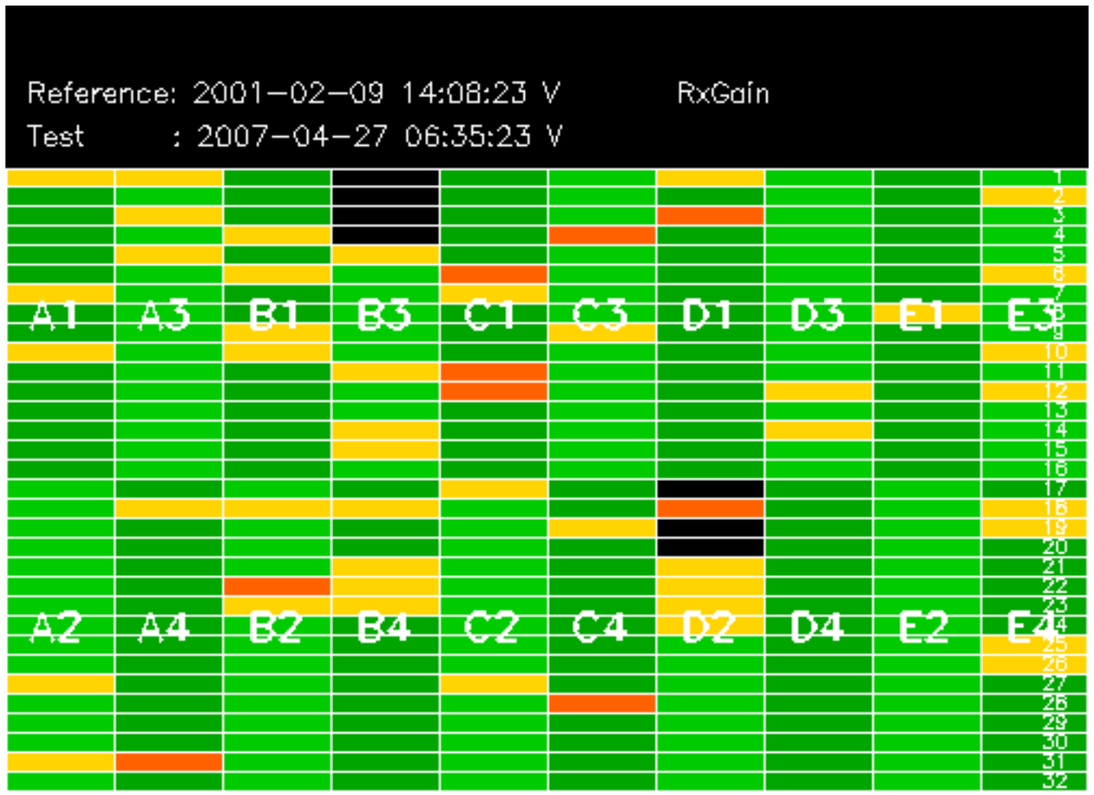

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.207802 Hz
−100Hz
+100Hz

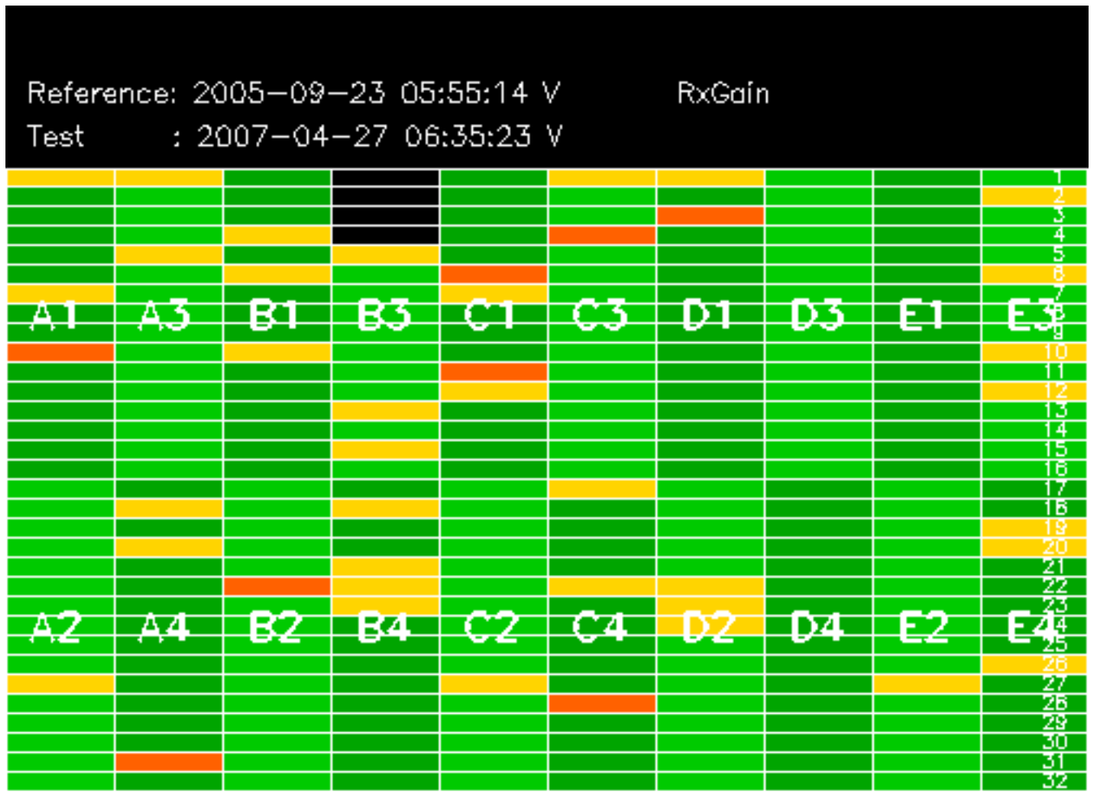
No anomalies observed on available MS products:

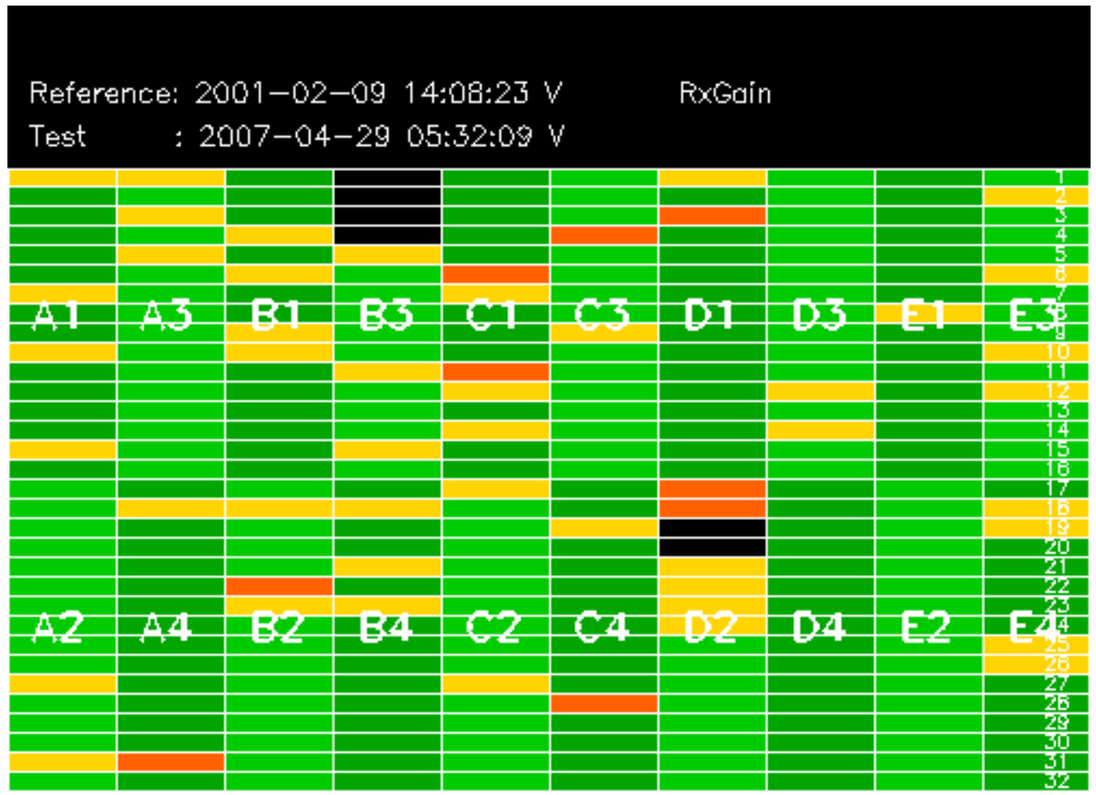
No anomalies observed.

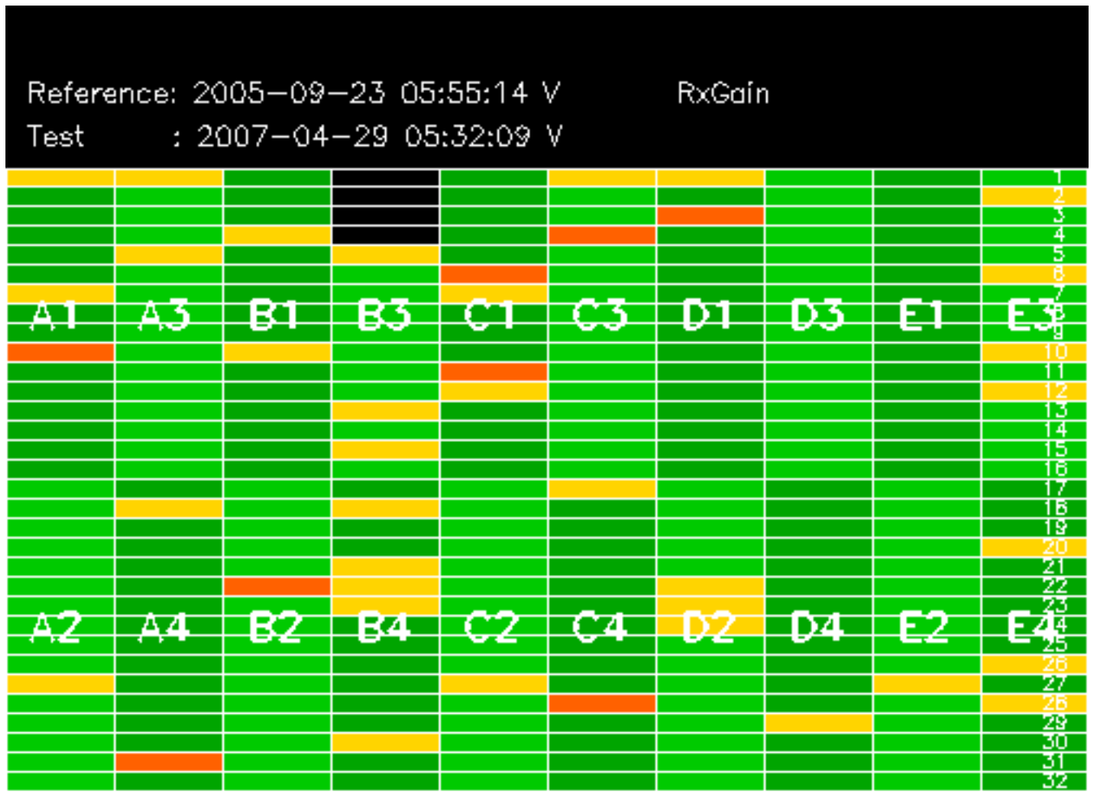

Reference: 2001-02-09 13:50:42 H
Test : 2007-04-28 06:03:46 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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 14:08:23 V
Test : 2007-04-29 05:32:09 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 : 2007-04-29 05:32:09 V
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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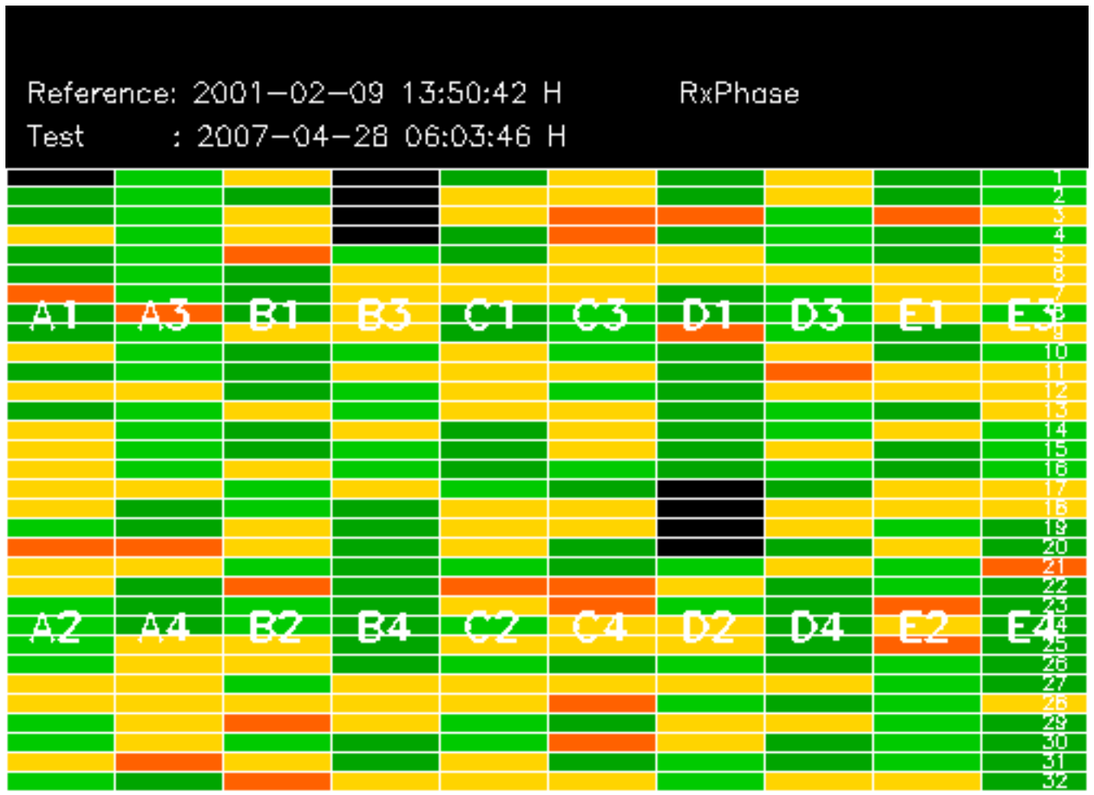
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-28 06:03:46 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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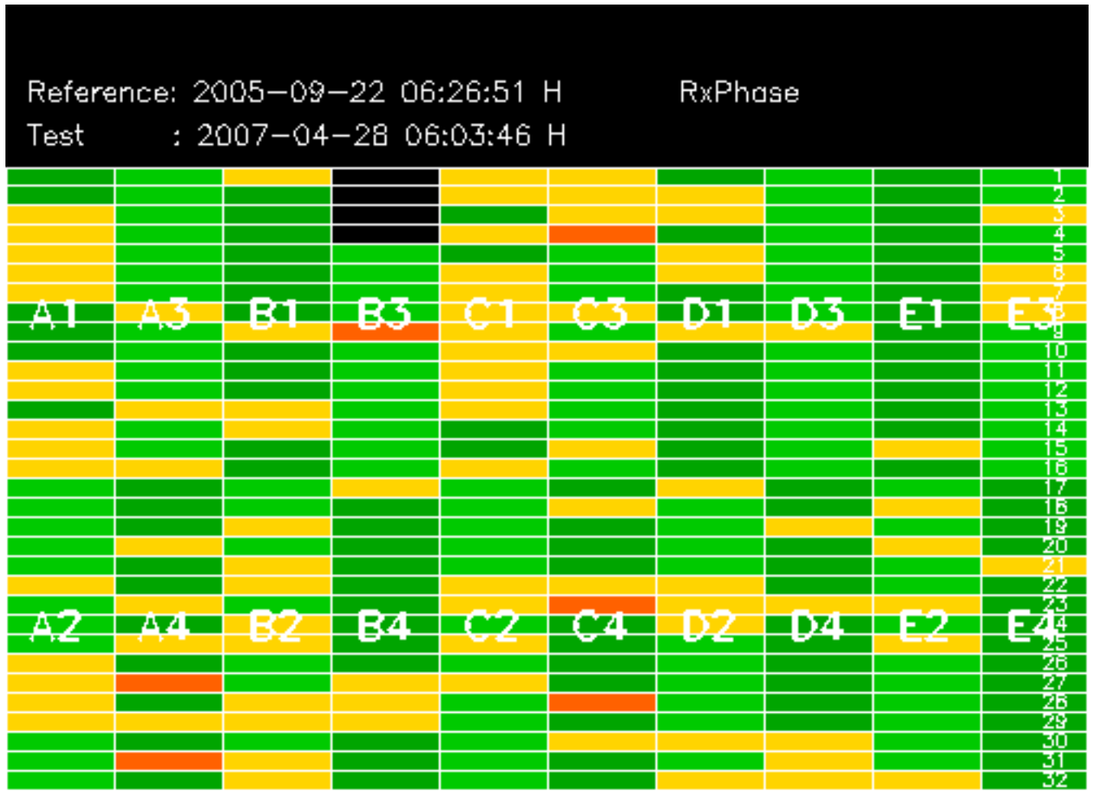
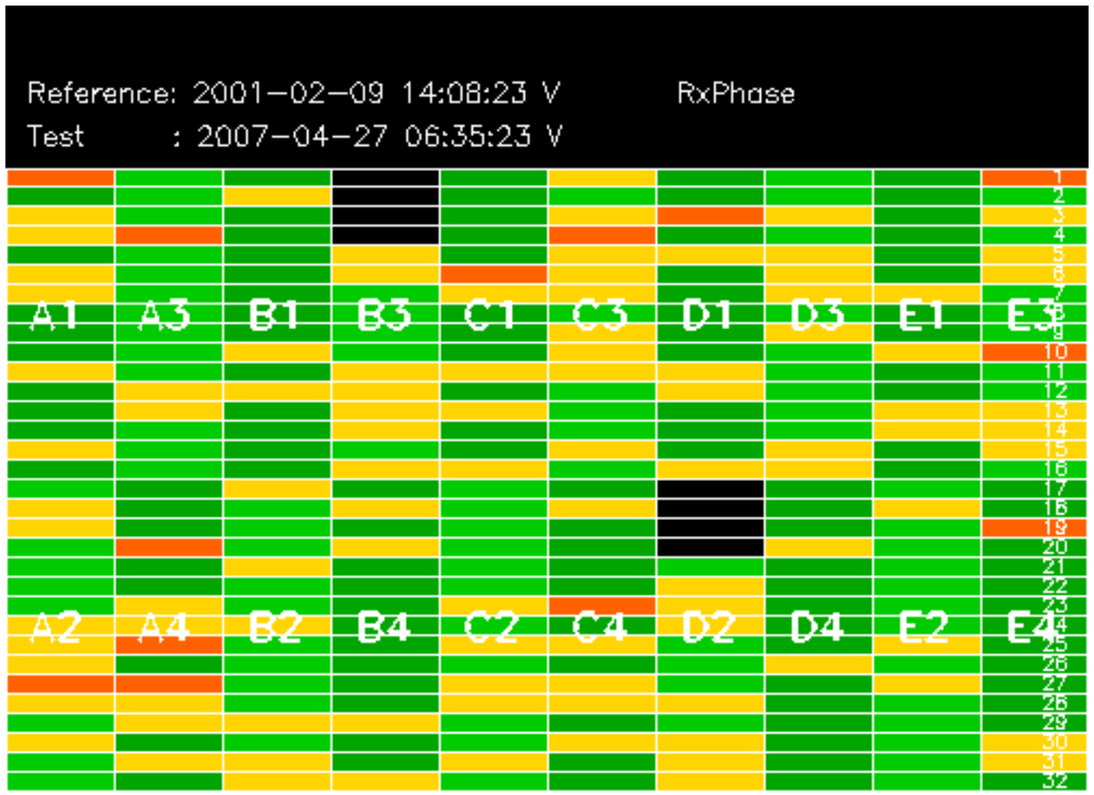
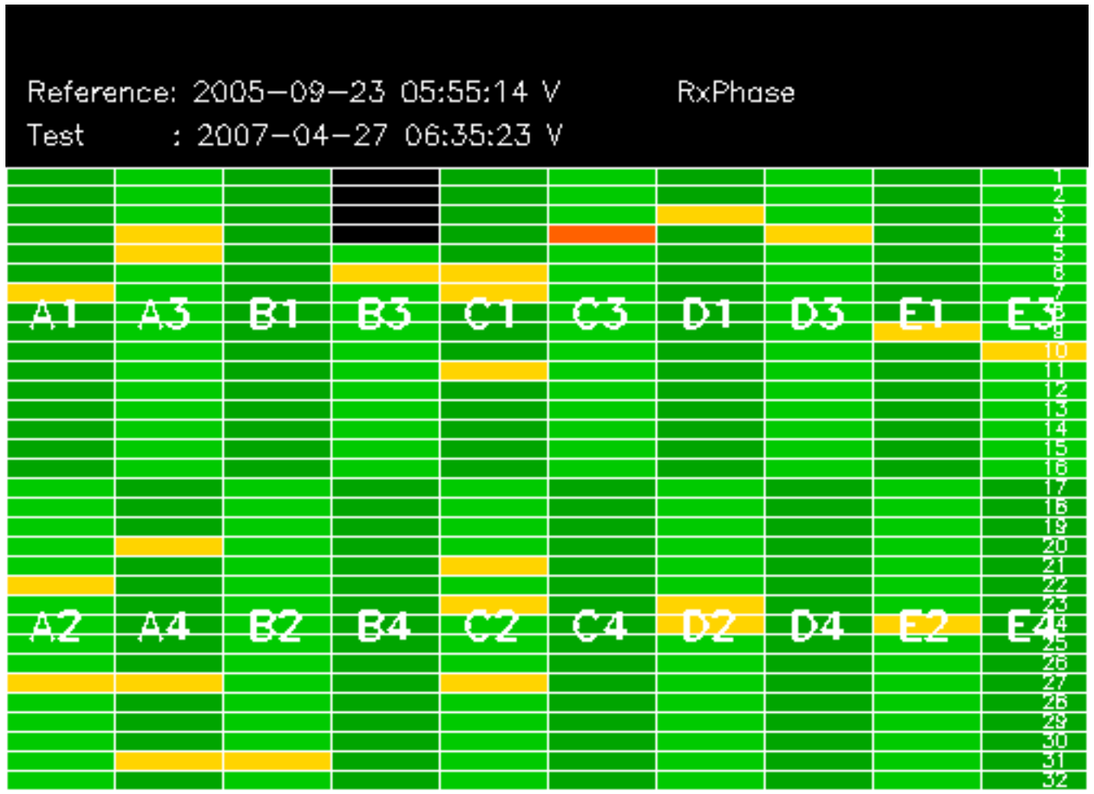

Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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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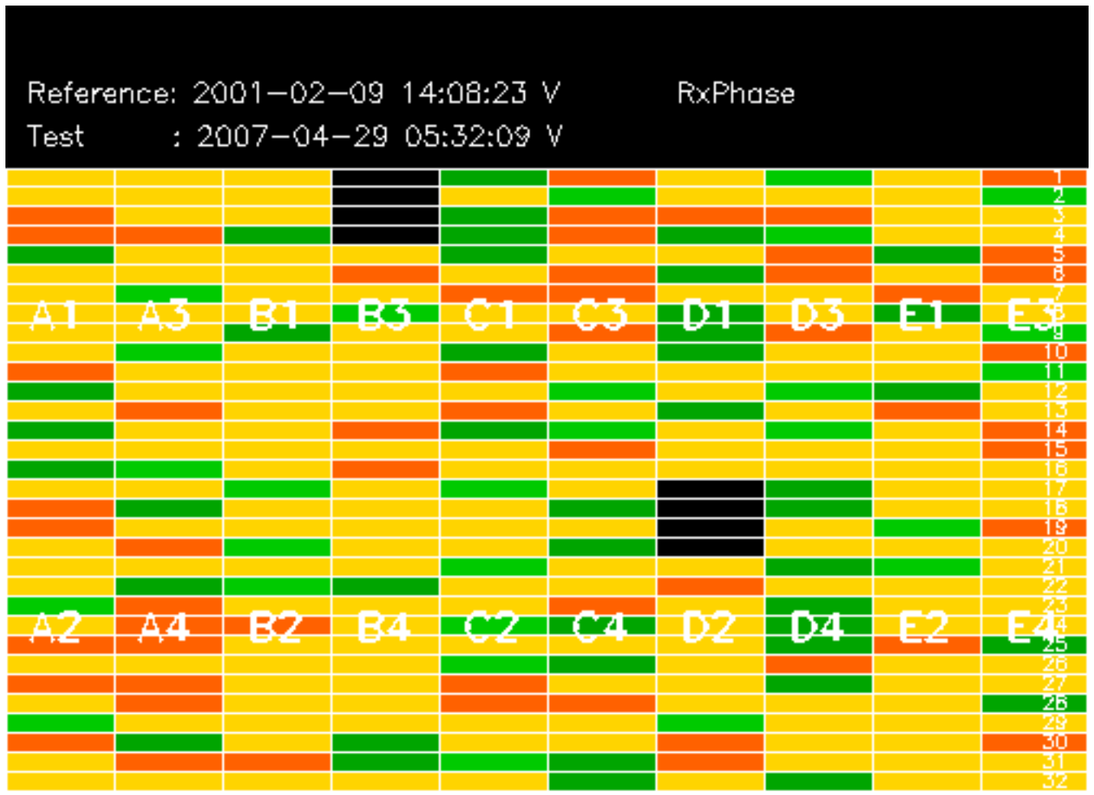
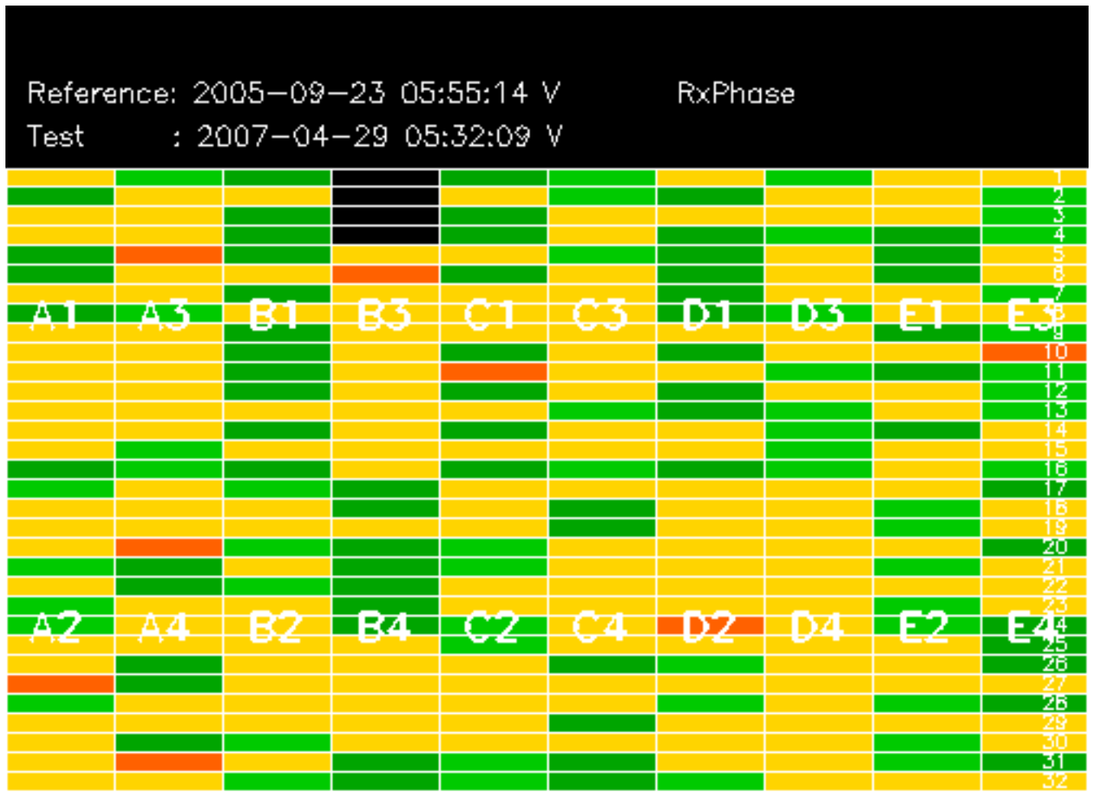
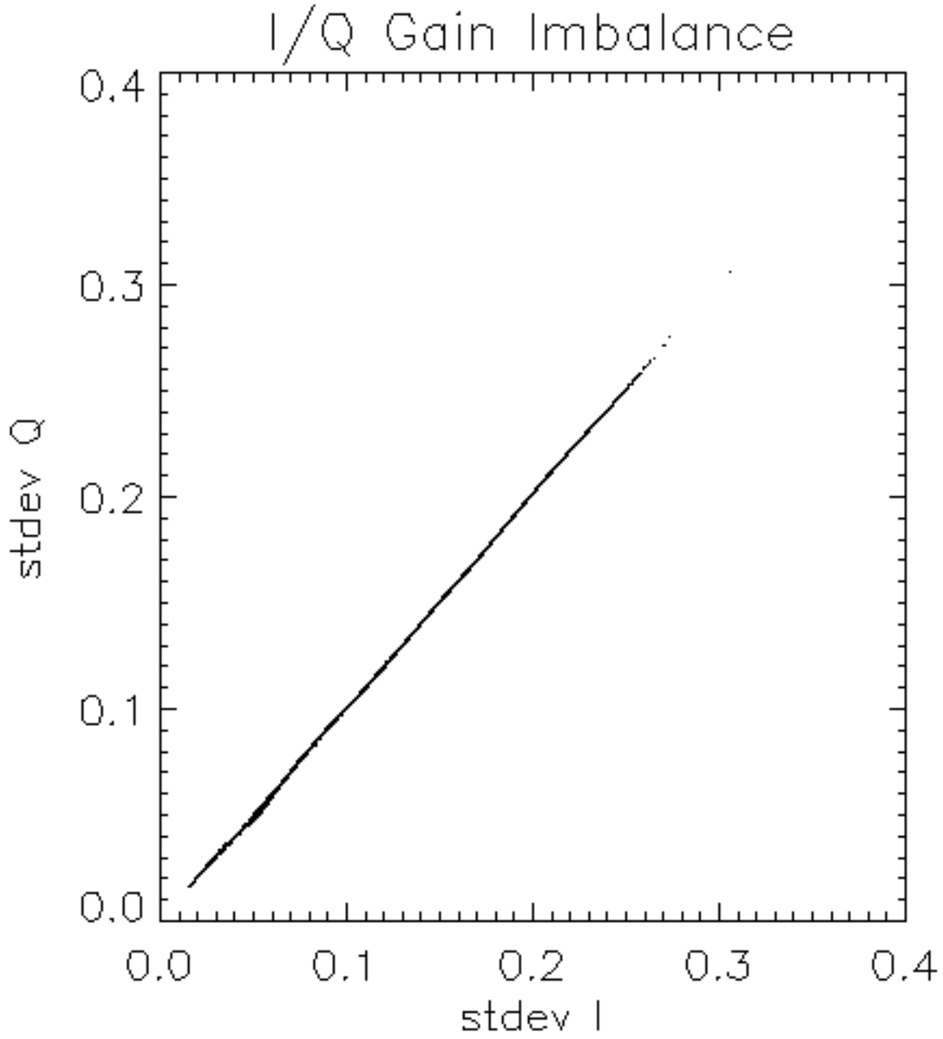
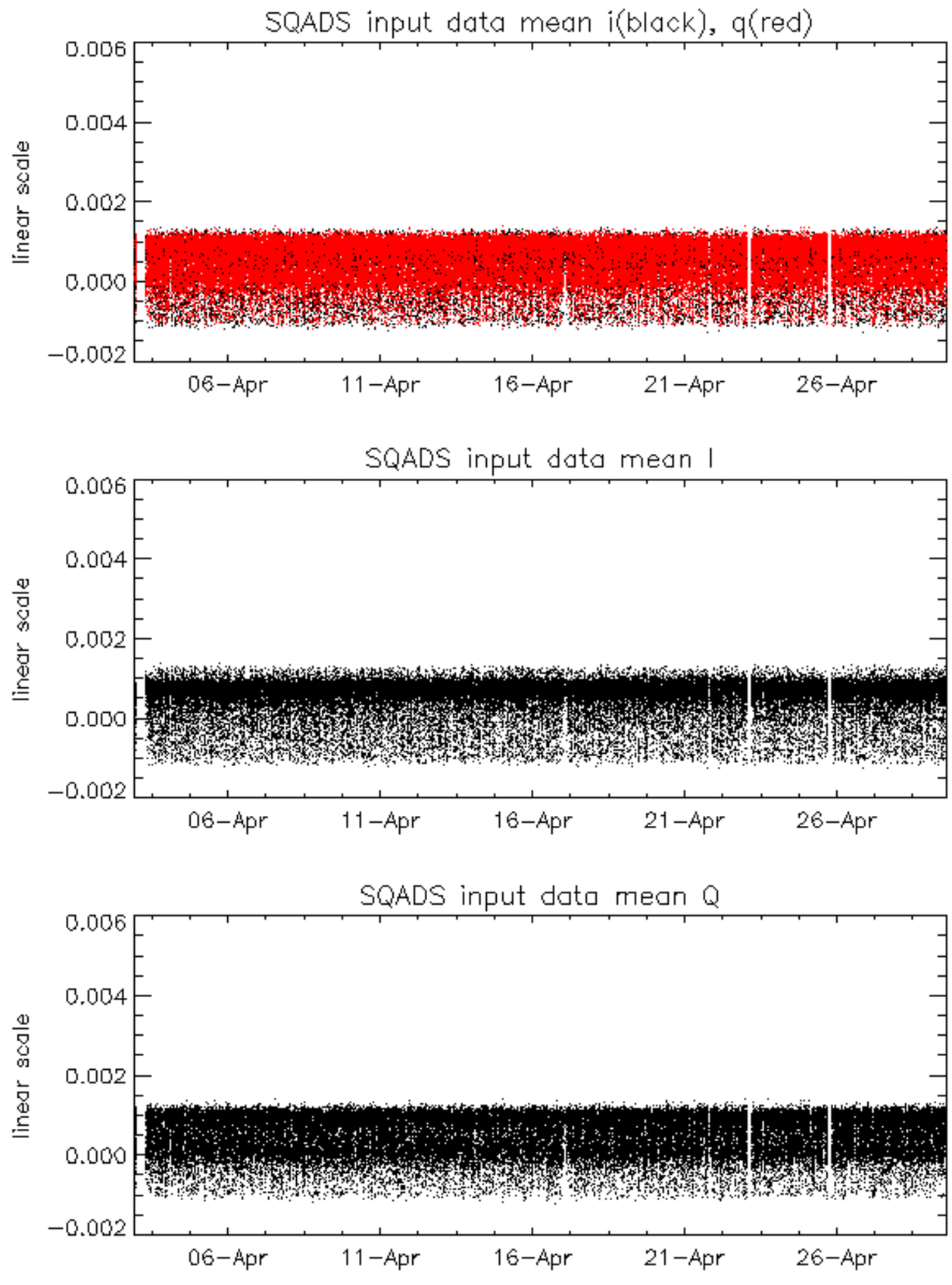
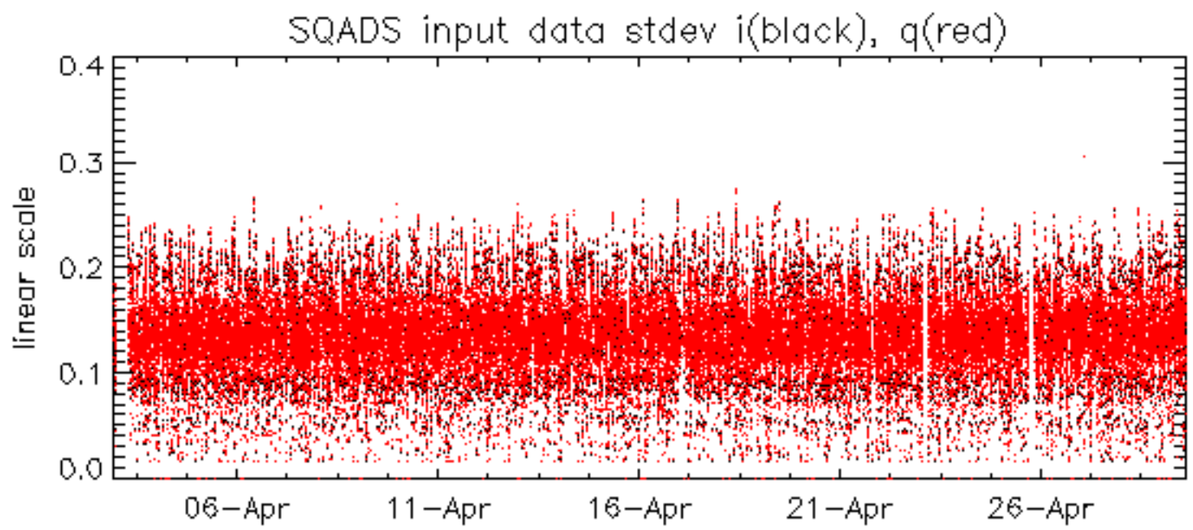
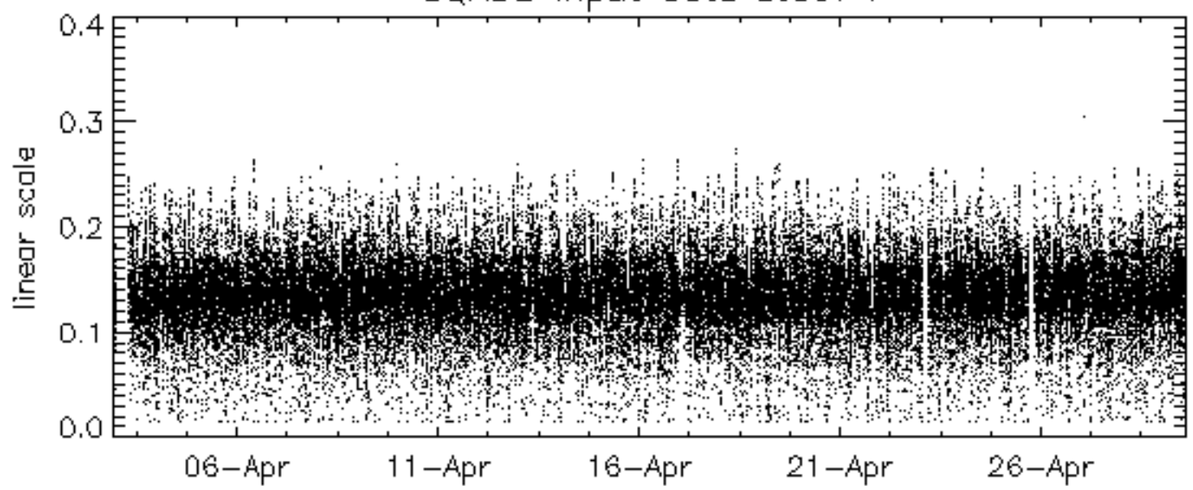

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-29 05:32:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

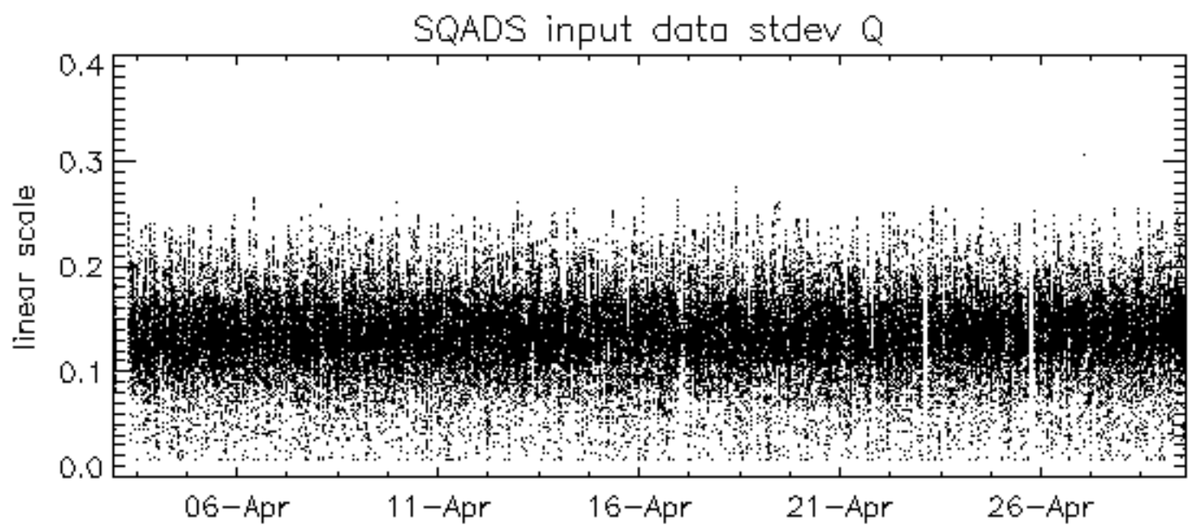

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-29 05:32:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

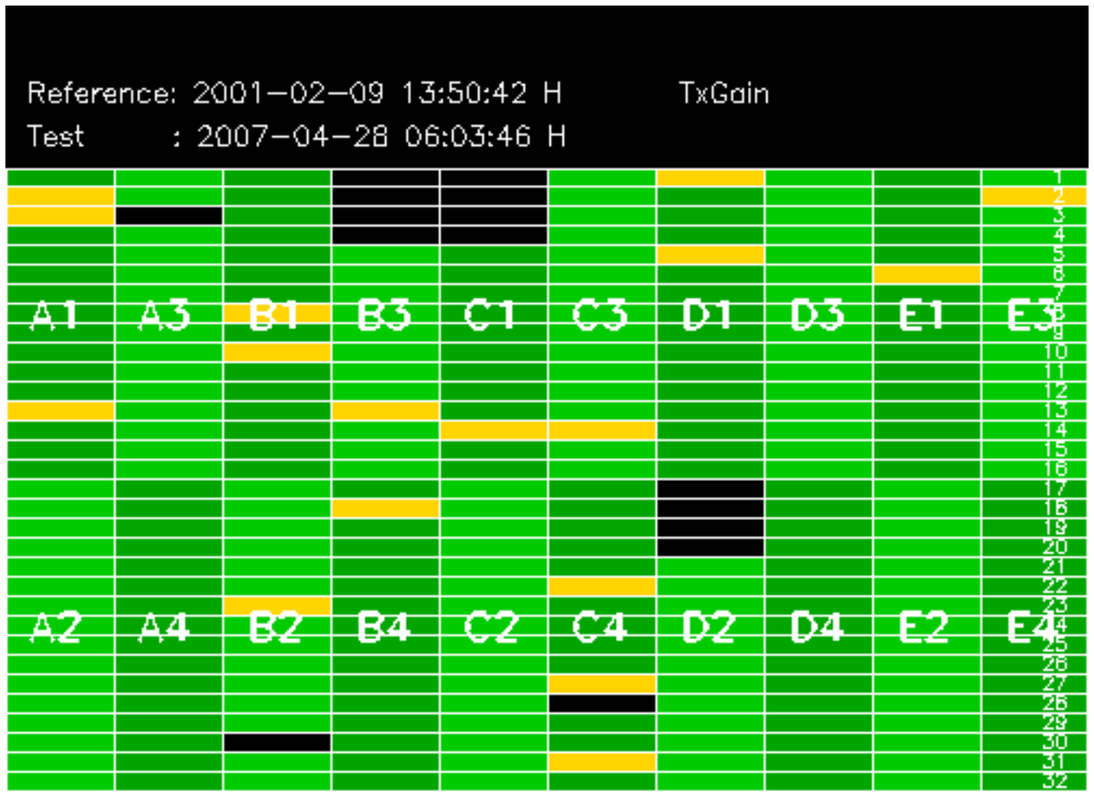

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I


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 : 2007-04-28 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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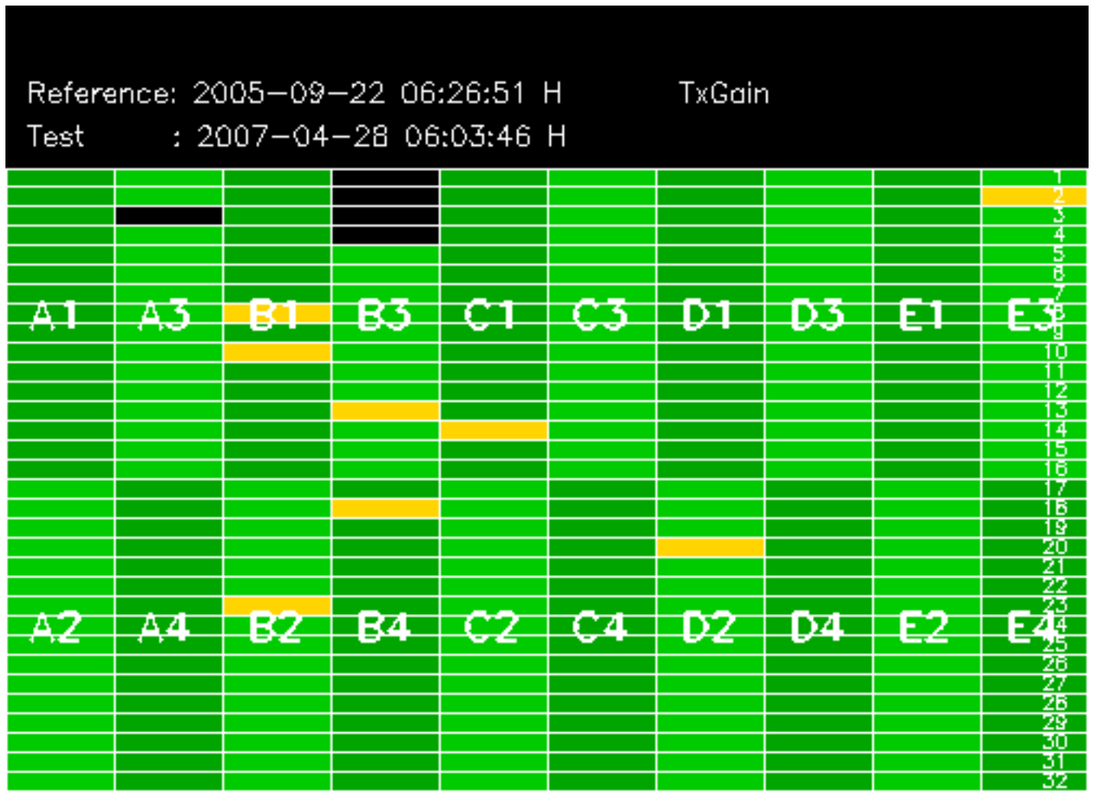
Reference: 2005-09-22 06:26:51 H
Test : 2007-04-28 06:03:46 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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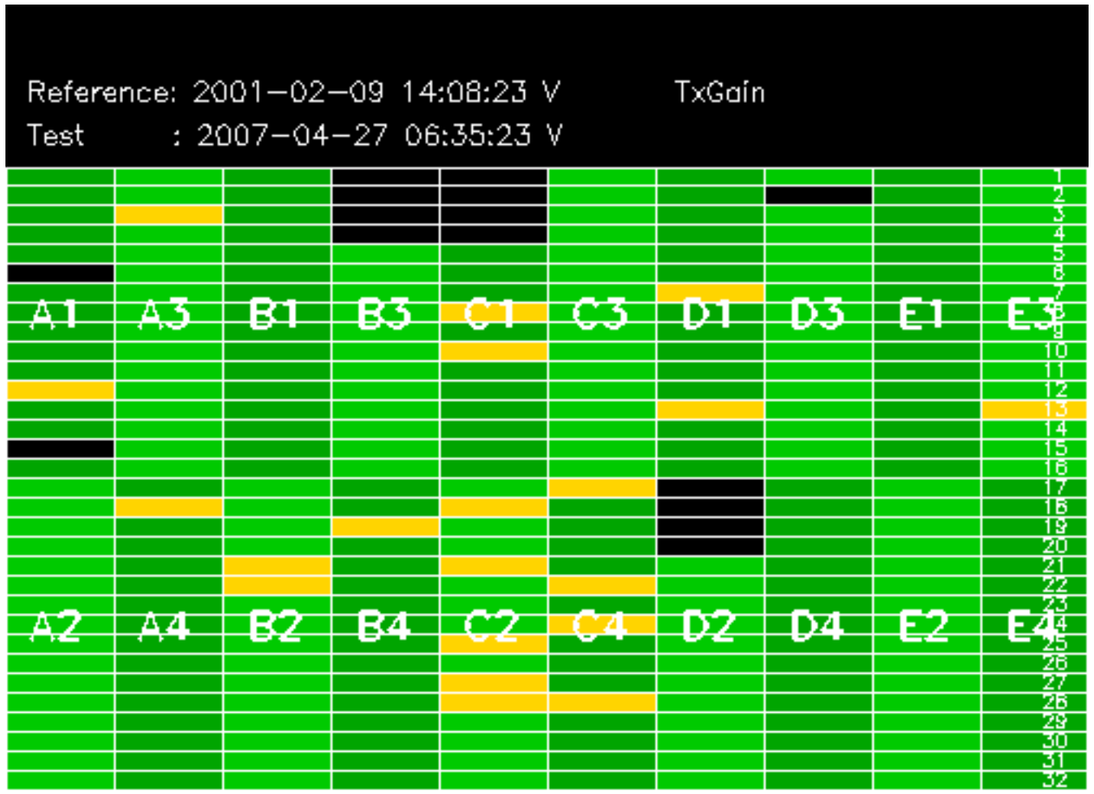
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-27 06:35:23 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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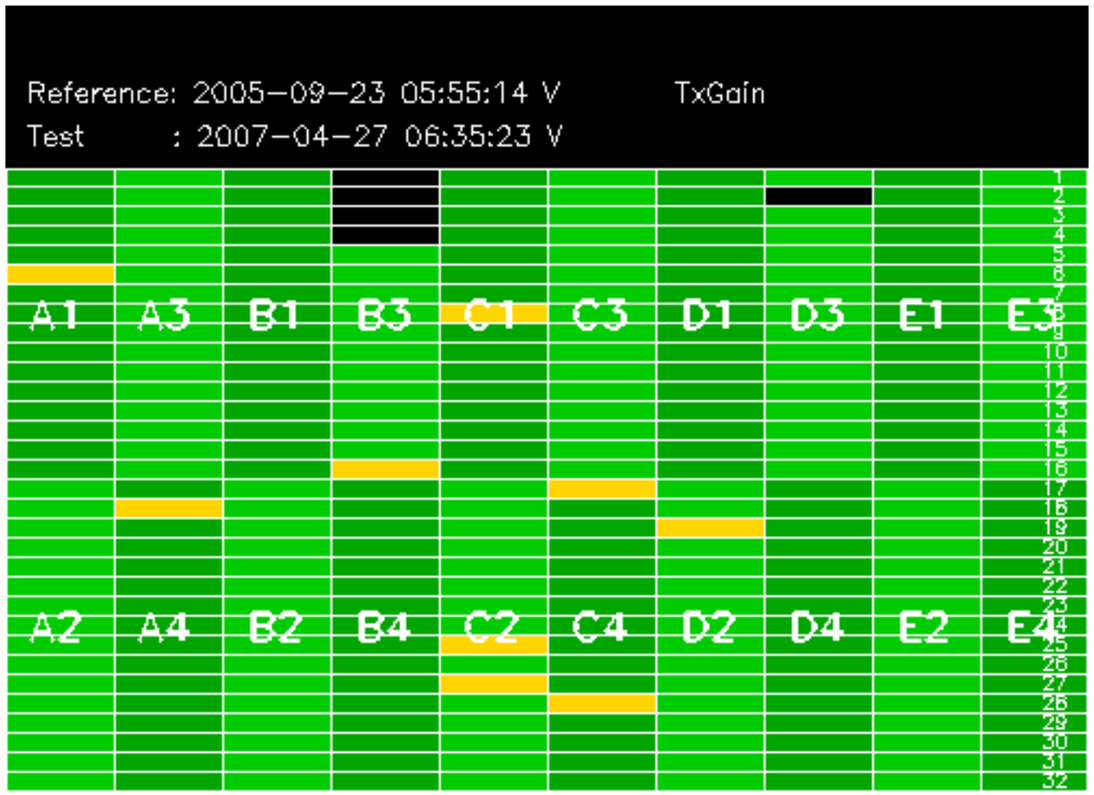
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-27 06:35:23 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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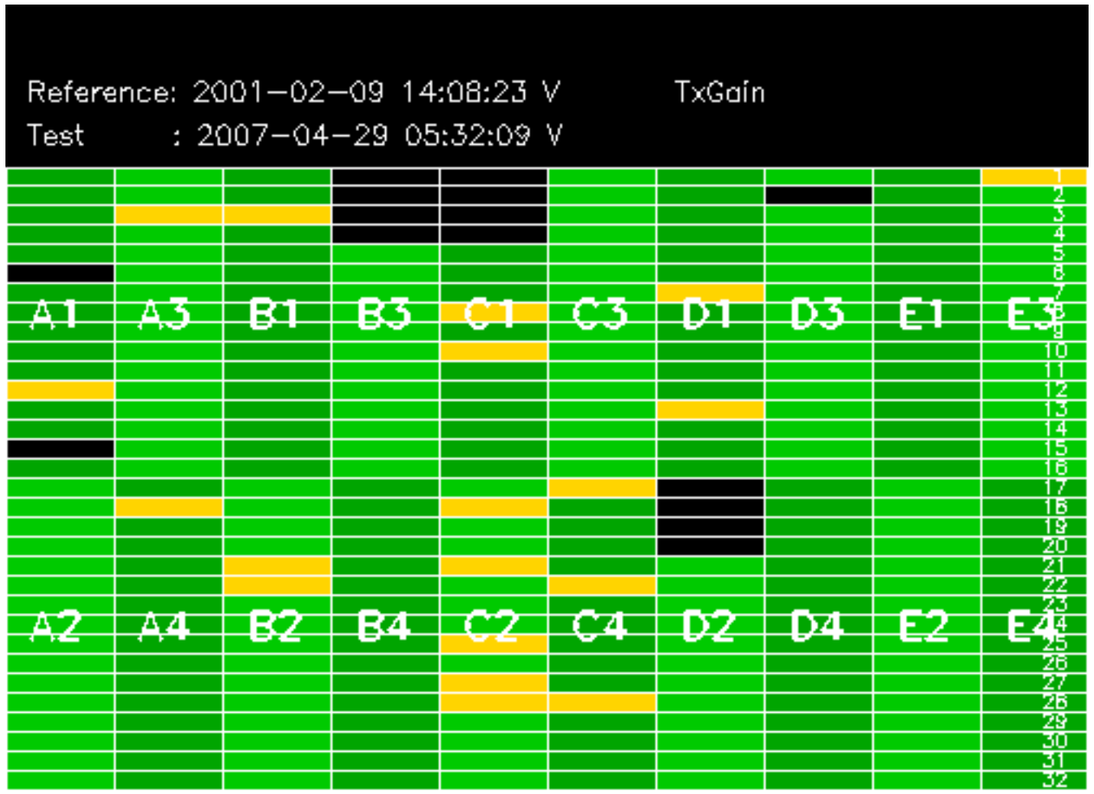
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-29 05:32:09 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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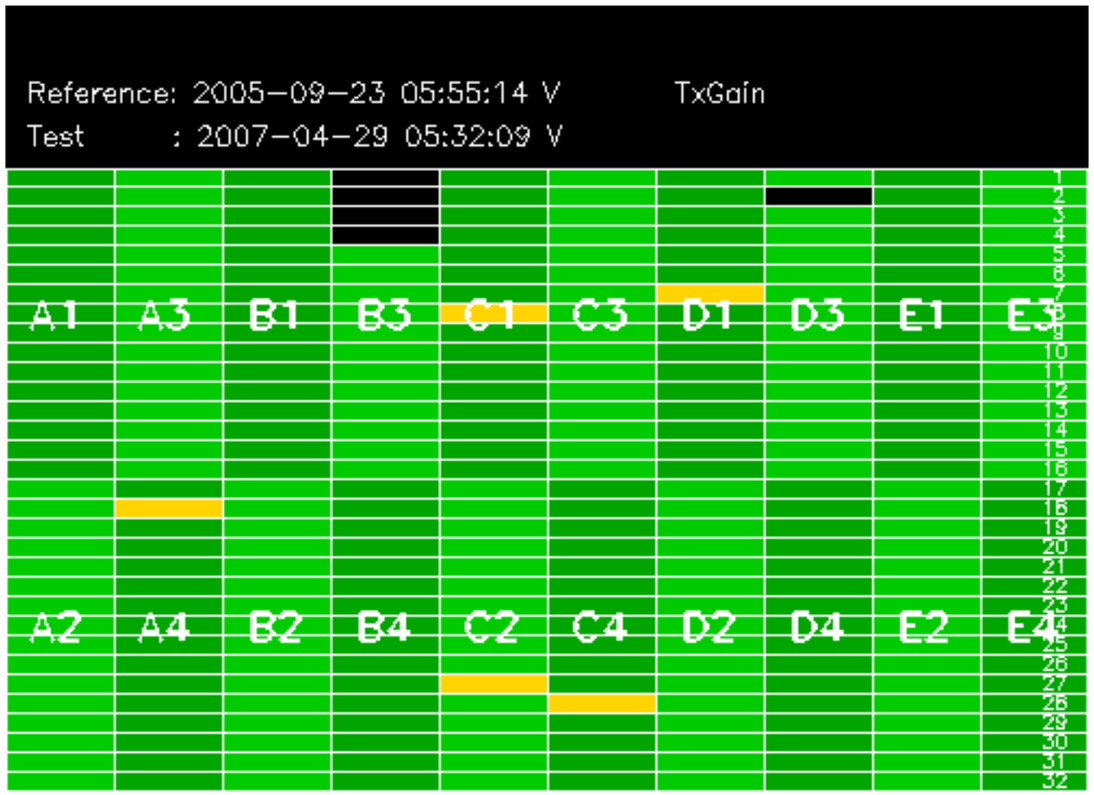
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-29 05:32:09 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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Summary of analysis for the last 3 days 2007042[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields 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_IMM_1PNPDE20070428_182646_000000352057_00371_26978_0556.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070428_150338_000003682057_00369_26976_6468.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070428_164337_000002952057_00370_26977_6598.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070428_171029_000007972057_00370_26977_6713.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070429_014749_000000852057_00375_26982_1133.N1 </td> <td>0 </td> <td>73 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070427_135549_000000852057_00354_26961_5249.N1 </td> <td>0 </td> <td>52 </td></tr>
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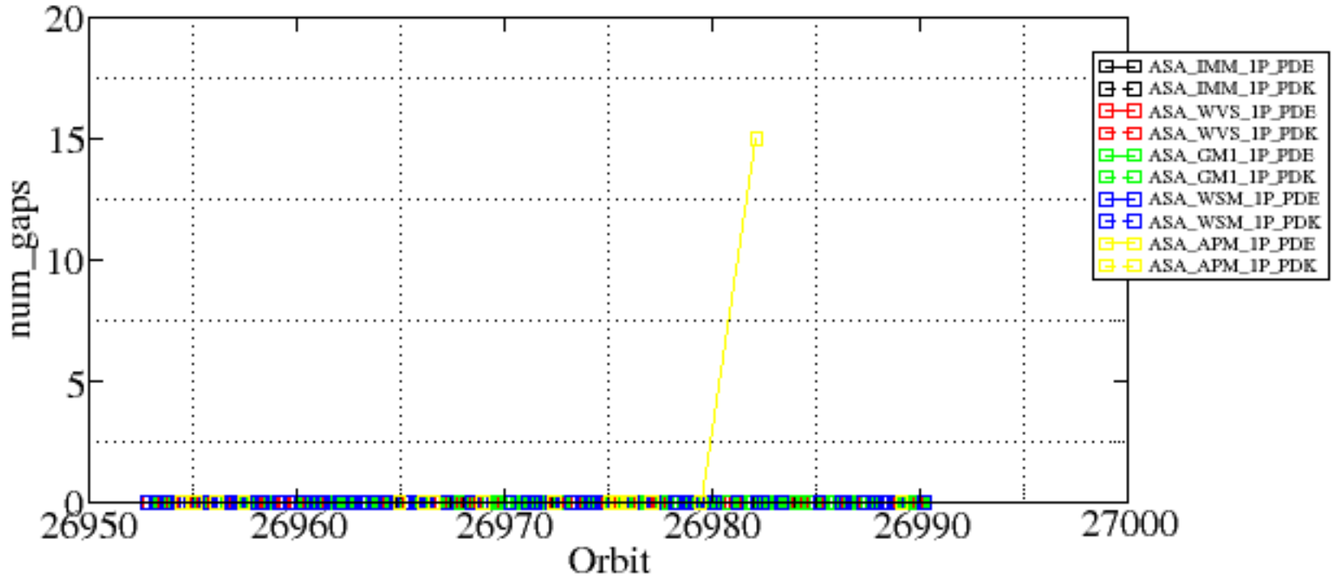
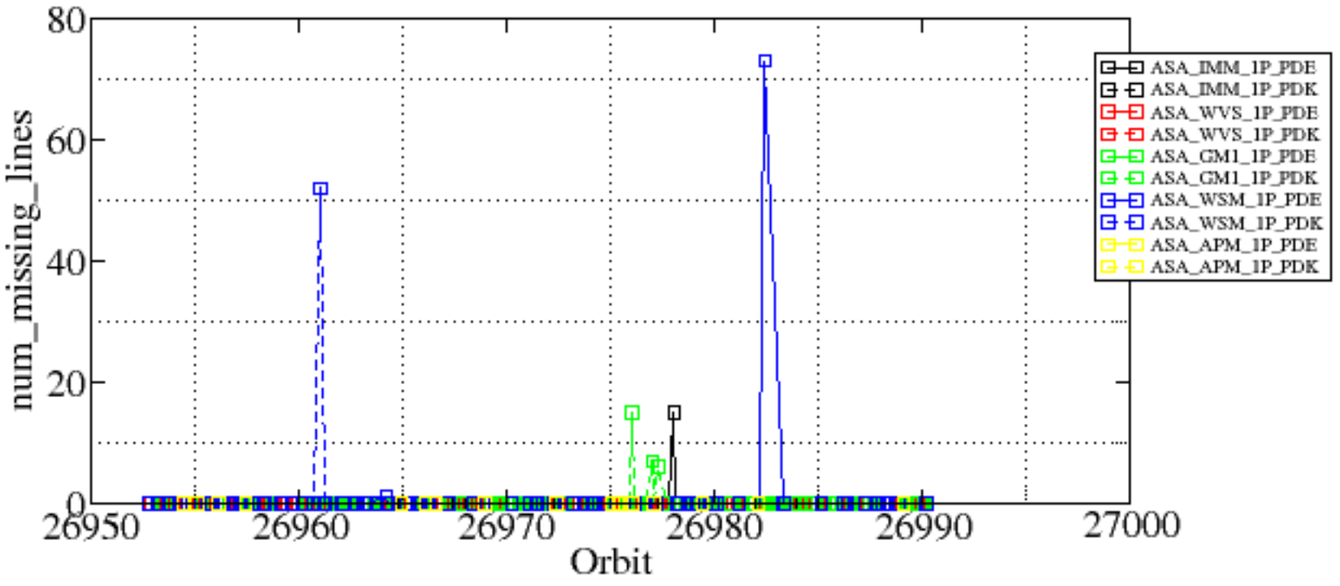
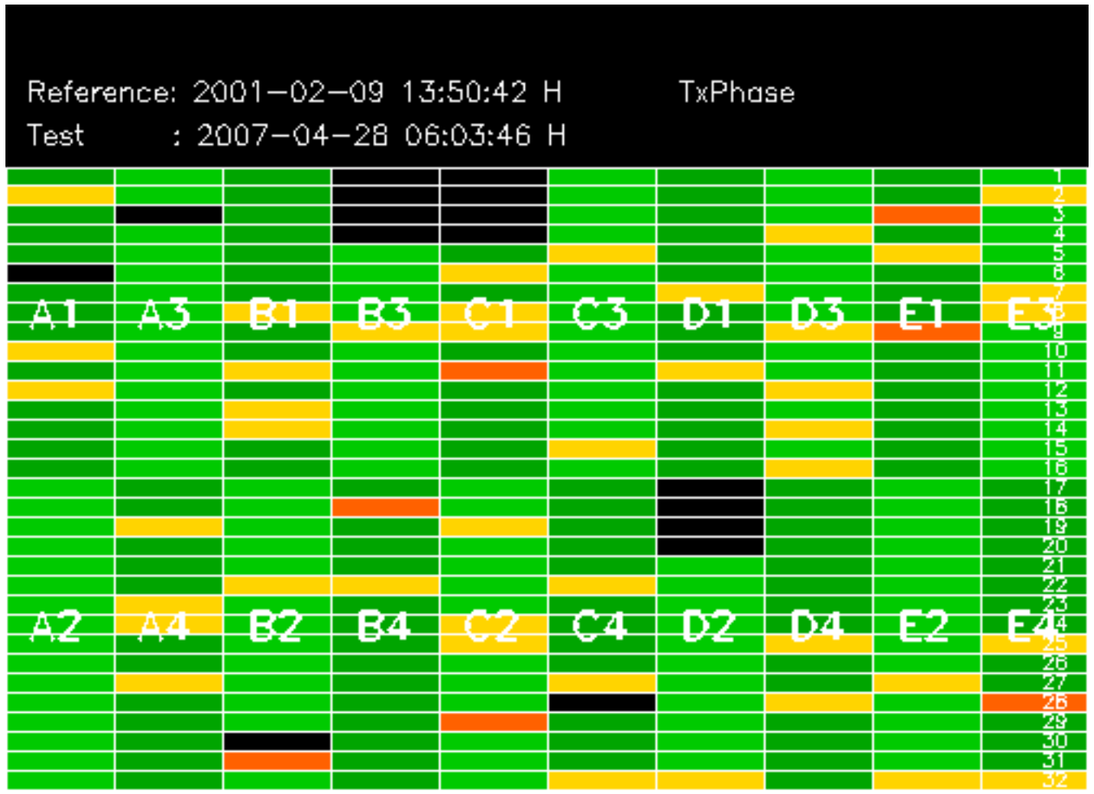
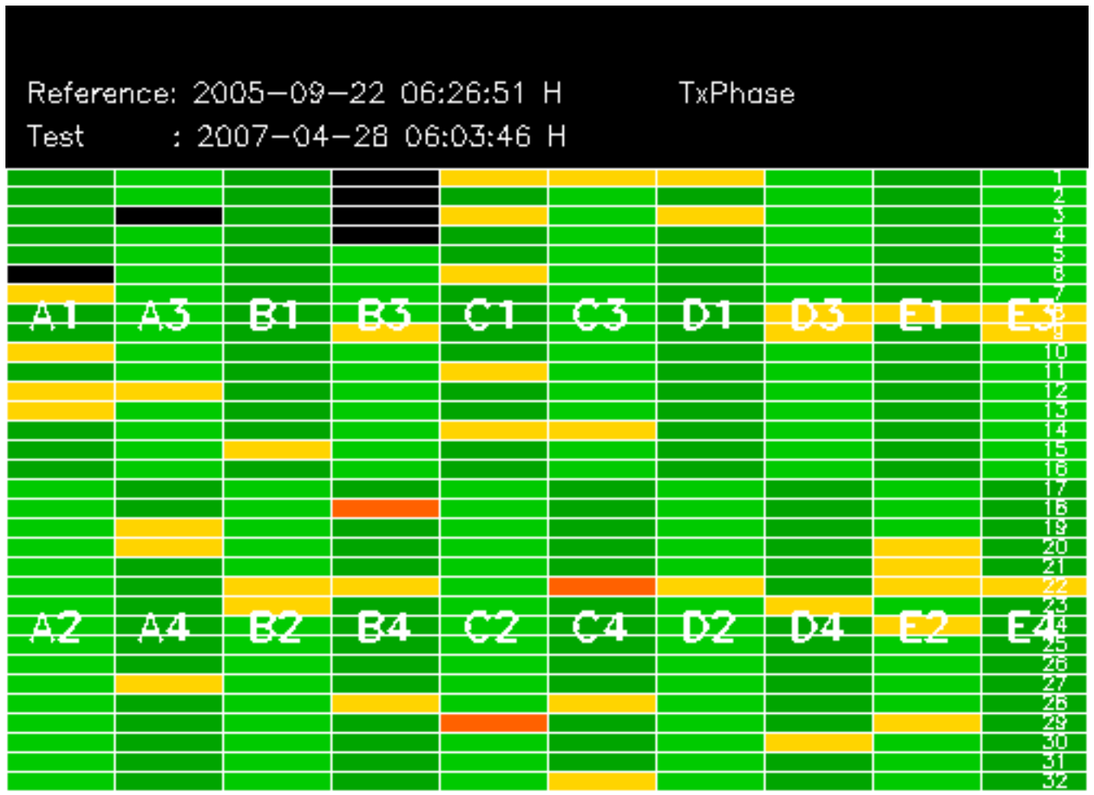
<tr> <td>ASA_APM_1PNPDE20070429_011649_000000832057_00375_26982_1129.N1 </td> <td>15 </td> <td>0 </td></tr>
</table>


num_gaps
Orbit
20
15
10
5
0
26950
26960
26970
26980
26990
27000
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
80
60
40
20
0
26950
26960
26970
26980
26990
27000
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 : 2007-04-28 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
TxPhase
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
1
2
3
4
5
6
7
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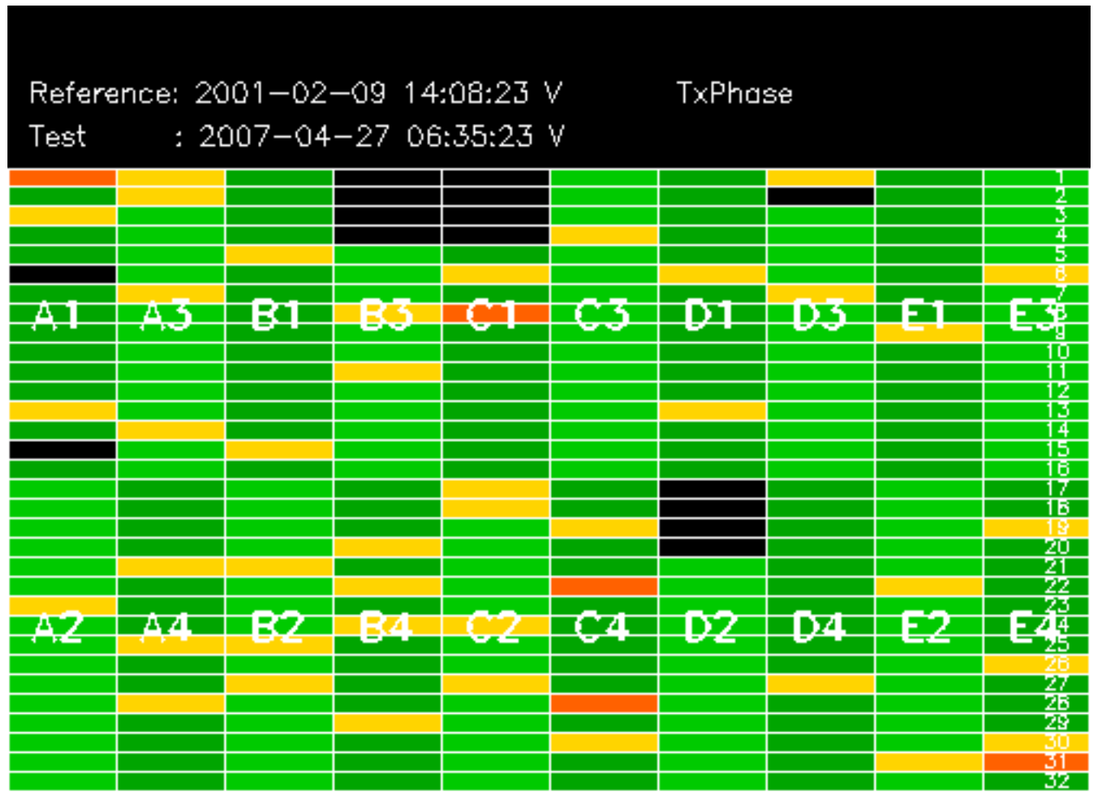
31
32


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
1
2
3
4
5
6
7
8
9
10
11
12
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14
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16
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29
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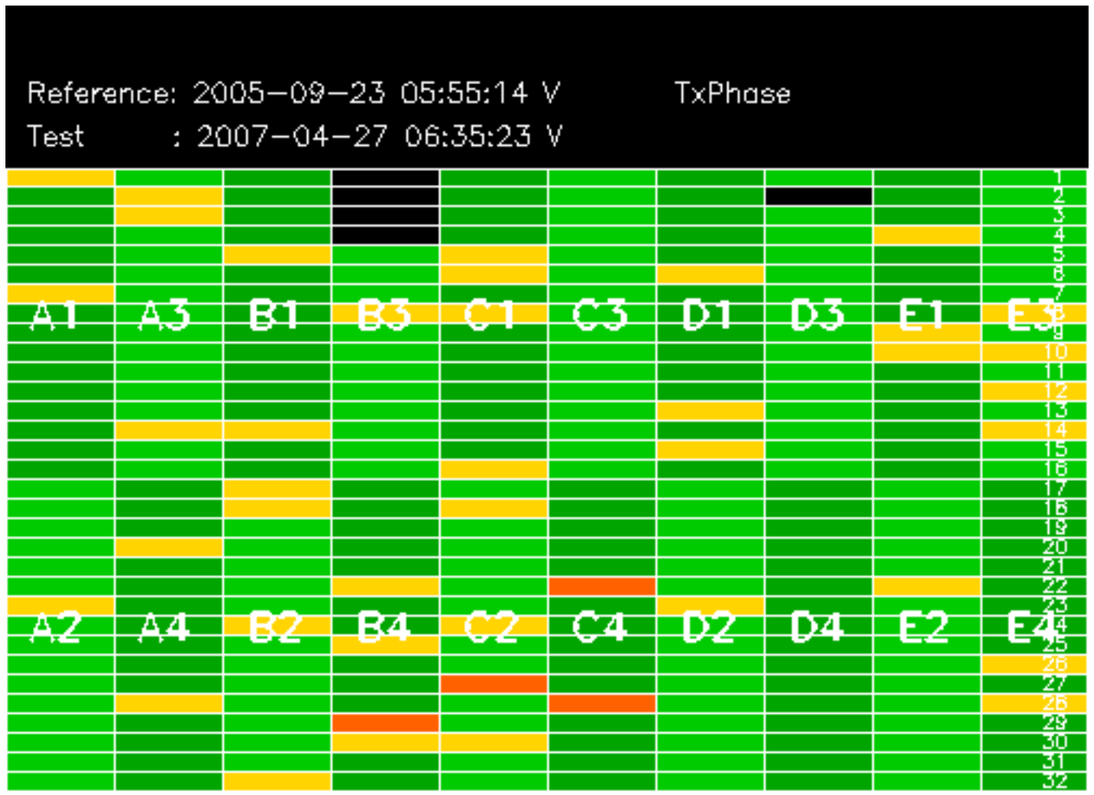
31
32


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
2
3
4
5
6
7
8
9
10
11
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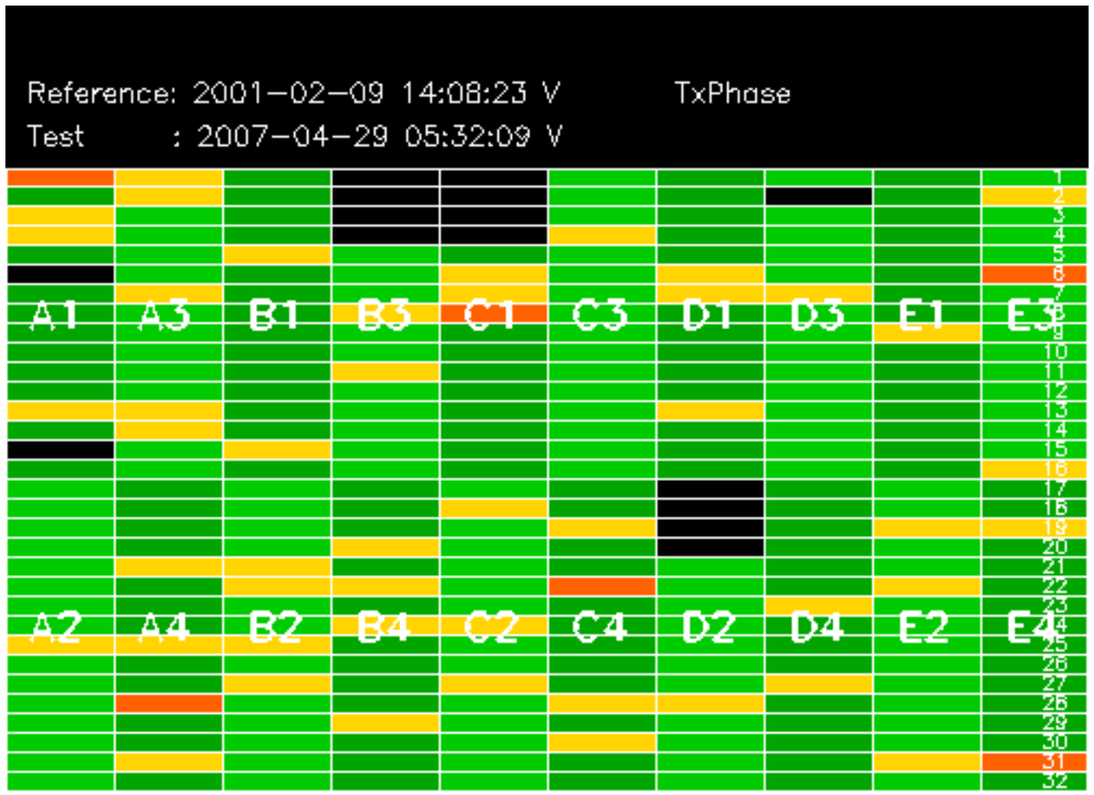
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-29 05:32:09 V
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
5
6
7
8
9
10
11
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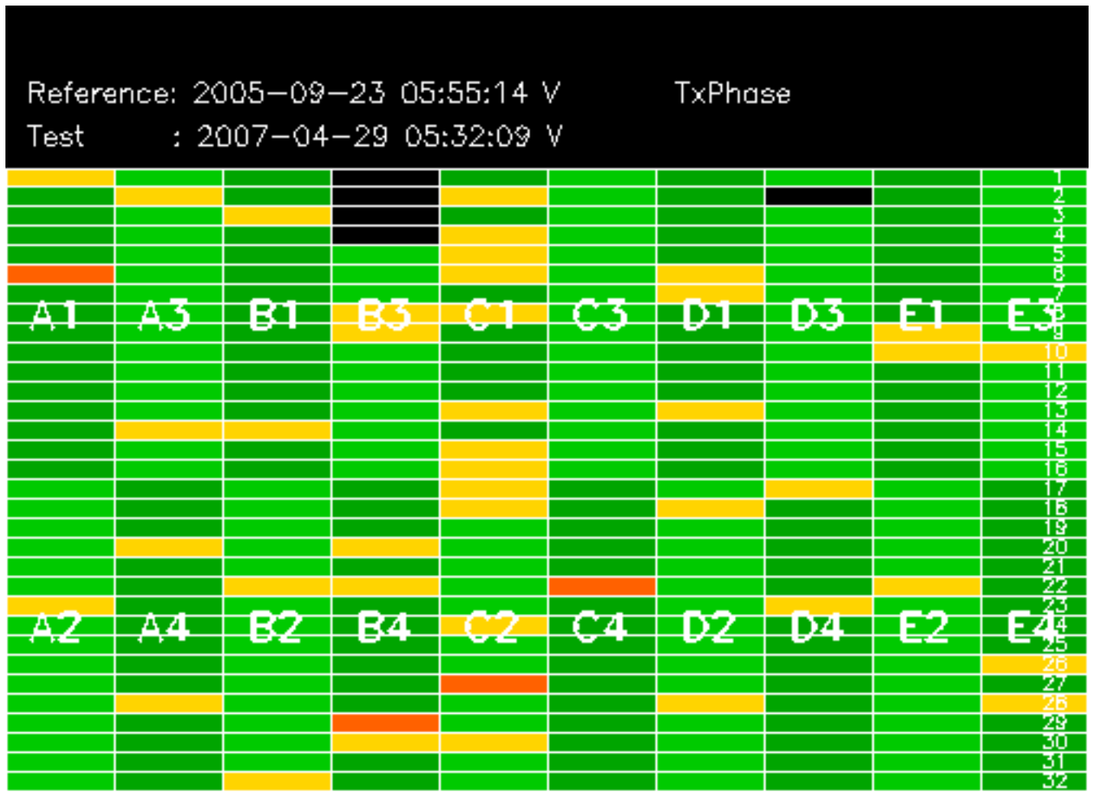
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-29 05:32:09 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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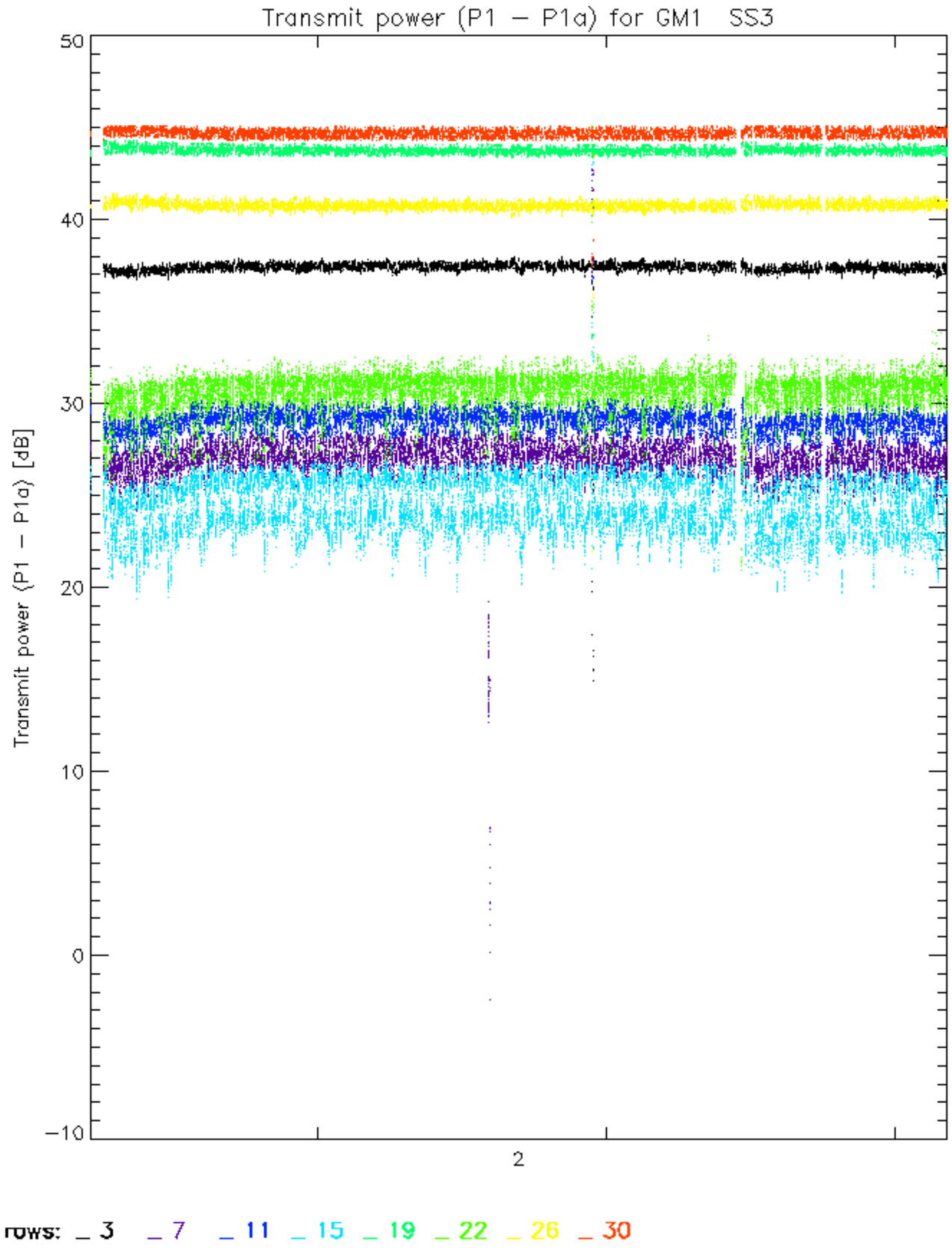
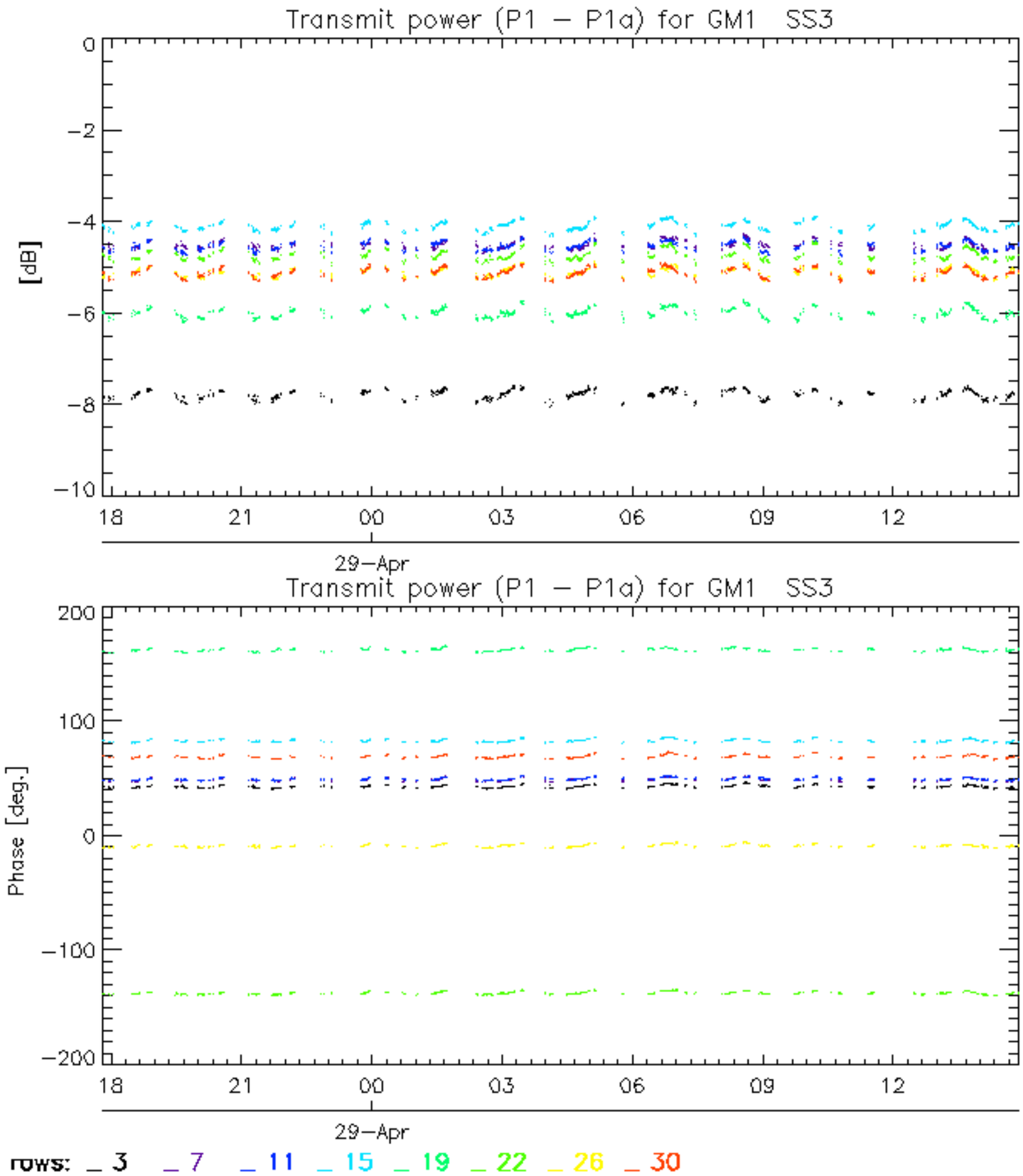
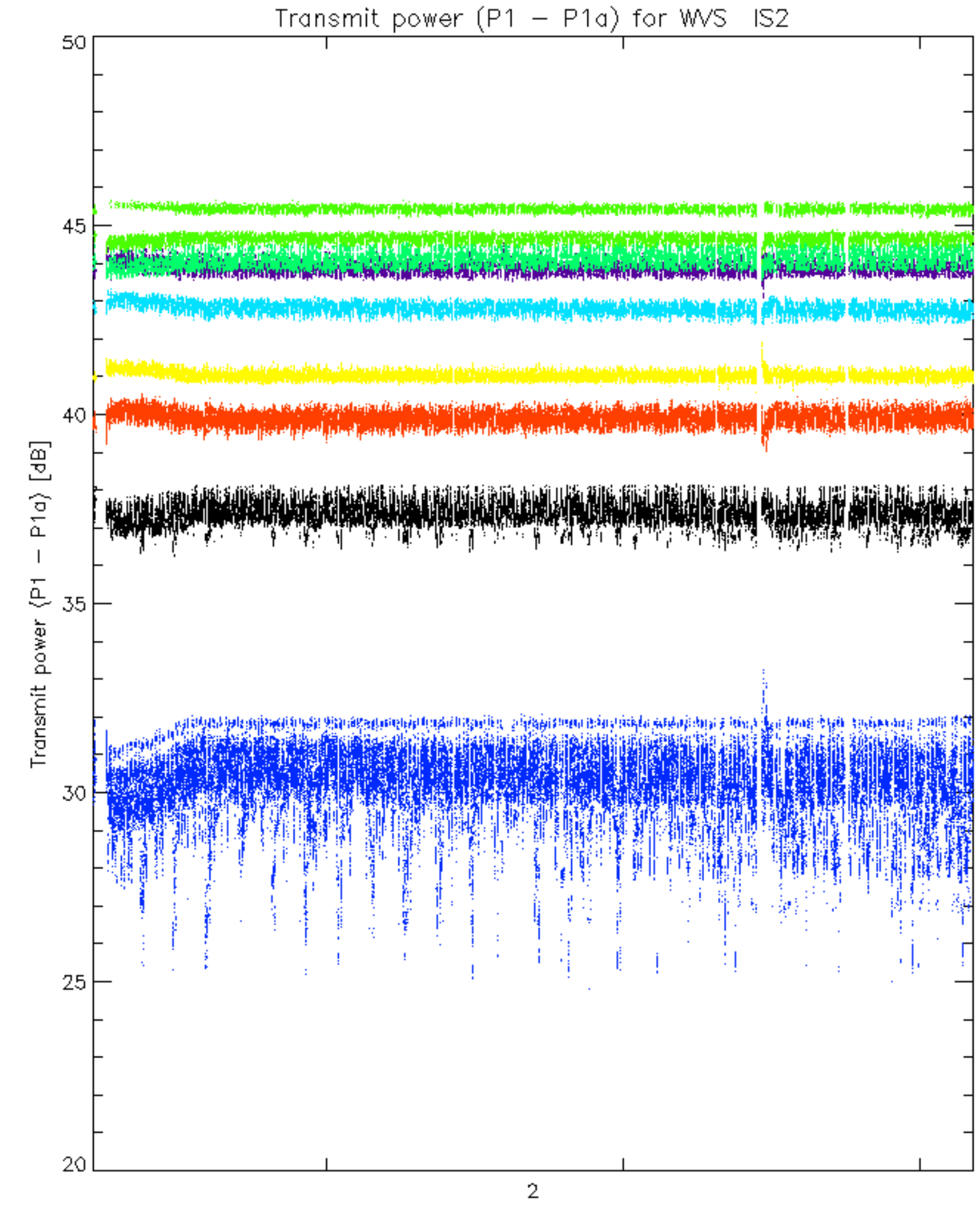
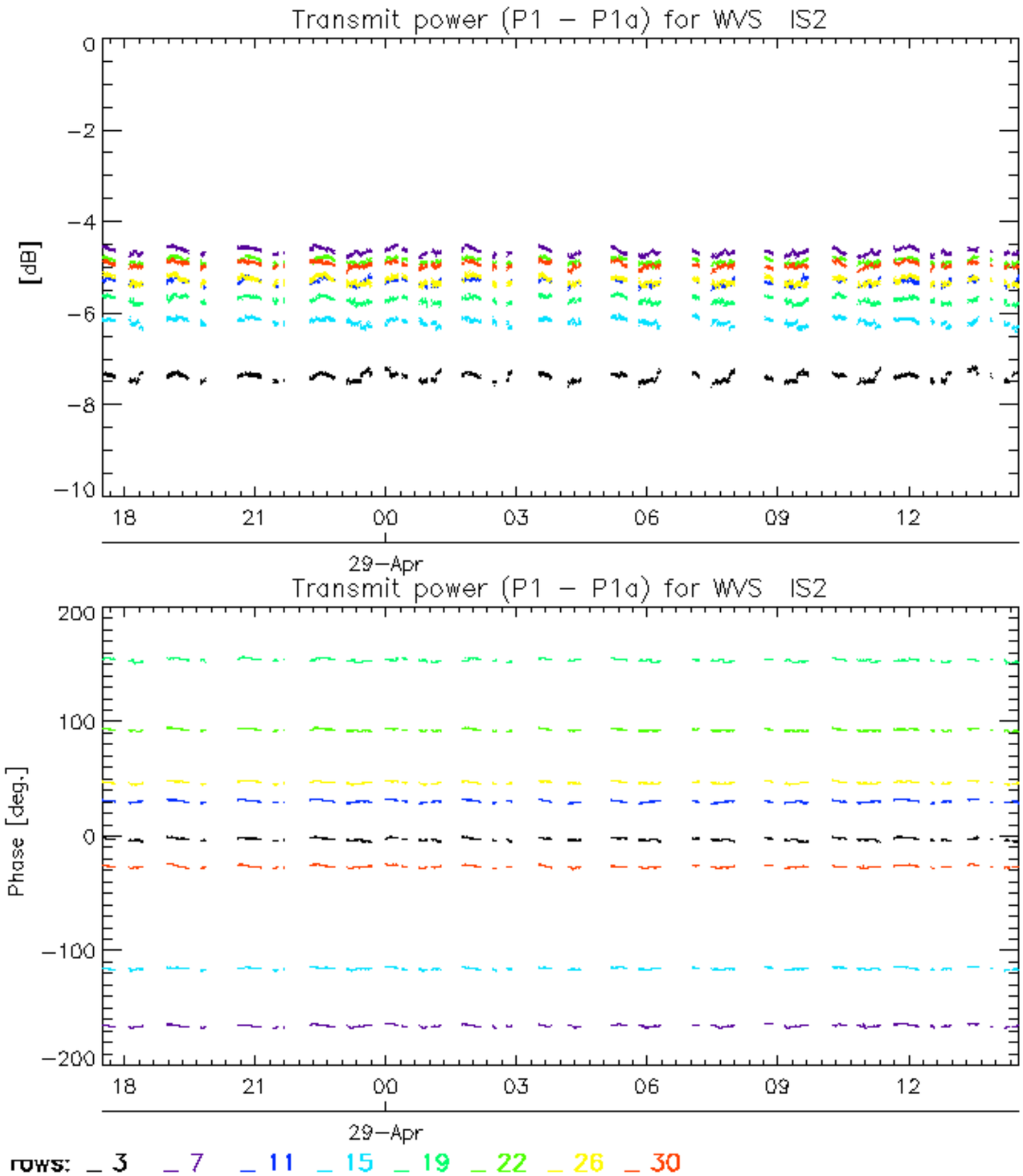

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
12
29–Apr
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
29–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
[dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
29–Apr
Transmit power (P1 – P1a) for WVS IS2
Phase [deg.]
200
100
0
−100
−200
18
21
00
03
06
09
12
29–Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.