PRELIMINARY REPORT OF 070425

last update on Wed Apr 25 17:56:01 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 2007-04-24 00:00:00 to 2007-04-25 17:56:01

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	31	60	14	1	21
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	31	60	14	1	21
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	31	60	14	1	21
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	31	60	14	1	21

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	45	64	44	11	61
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	45	64	44	11	61
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	64	44	11	61
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	64	44	11	61

2.3 - Browse Visual Inspection

No anomalies observed on available browse products

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	20070425 073837
H	20070424 081014

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	-15.074748	0.147431	-0.121978
7	P1a	-17.547541	0.108142	-0.068680
11	P1a	-17.463177	0.345241	-0.805324
15	P1a	-12.980499	0.115802	-0.349550
19	P1a	-15.321499	0.069196	-0.371297
22	P1a	-15.895058	0.418319	-0.443922
26	P1a	-15.038557	0.211275	0.535454
30	P1a	-17.666788	0.327039	-0.666152

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.763852	0.010794	-0.028529
7	P1	-3.145706	0.009030	-0.001226
11	P1	-4.207974	0.012245	-0.013143
15	P1	-6.399879	0.019169	-0.124034
19	P1	-3.784942	0.010519	0.059947
22	P1	-4.746600	0.009315	-0.032686
26	P1	-3.920614	0.019427	0.111361
30	P1	-5.966886	0.009543	0.039651

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.659563	0.090334	-0.011292
7	P2	-21.566040	0.087262	0.122402
11	P2	-15.363073	0.115426	0.240847
15	P2	-7.123405	0.088343	-0.002641
19	P2	-9.115562	0.079627	0.047889
22	P2	-18.085361	0.076858	0.030585
26	P2	-16.612762	0.080924	-0.041979
30	P2	-19.278830	0.082365	0.061797

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.243566	0.005485	0.003892
7	P3	-8.243566	0.005485	0.003892
11	P3	-8.243566	0.005485	0.003892
15	P3	-8.243566	0.005485	0.003892
19	P3	-8.243566	0.005485	0.003892
22	P3	-8.243566	0.005485	0.003892
26	P3	-8.243566	0.005485	0.003892
30	P3	-8.243566	0.005485	0.003892

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	-11.198267	0.148552	-0.128340
7	P1a	-10.070226	0.232329	-0.047683
11	P1a	-10.689147	0.111142	0.061979
15	P1a	-10.844796	0.176294	0.083902
19	P1a	-15.793885	0.093701	-0.051825
22	P1a	-21.375786	1.455243	-0.657596
26	P1a	-15.494619	0.384831	-0.323292
30	P1a	-18.312698	0.471708	0.348525

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453162	0.059024	-0.011349
7	P1	-2.414370	0.131164	0.032710
11	P1	-2.892408	0.028218	0.067496
15	P1	-3.821496	0.039554	0.052057
19	P1	-3.584710	0.014851	-0.007954
22	P1	-4.974317	0.023521	0.102952

26	P1	-6.032407	0.029625	-0.023983
30	P1	-5.335132	0.034753	-0.007510

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.171724	0.066061	-0.066406
7	P2	-22.033882	0.227877	-0.003561
11	P2	-10.631898	0.046891	-0.014431
15	P2	-4.917194	0.041377	-0.084342
19	P2	-6.867546	0.040265	-0.027815
22	P2	-8.111017	0.104375	0.008144
26	P2	-24.319160	0.167898	-0.018398
30	P2	-21.712793	0.117004	0.071283

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.090694	0.004979	-0.002593
7	P3	-8.090698	0.004989	-0.001998
11	P3	-8.090532	0.004983	-0.002755
15	P3	-8.090437	0.004985	-0.002683
19	P3	-8.090601	0.005007	-0.002279
22	P3	-8.090523	0.004968	-0.001855
26	P3	-8.090573	0.004989	-0.001886
30	P3	-8.090482	0.004985	-0.002110

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	0.000542653
	stdev	2.02251e-07
MEAN Q	mean	0.000491939
	stdev	2.44363e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135430
	stdev	0.00123020
STDEV Q	mean	0.135821
	stdev	0.00124785

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007042[345]
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_WVS_1PNPDK20070424_070914_000005242057_00307_26914_0654.N1	0	16
ASA_GM1_1PNPDK20070423_080100_000001442057_00293_26900_9584.N1	0	13
ASA_GM1_1PNPDK20070424_081833_000004652057_00307_26914_0773.N1	0	7
ASA_GM1_1PNPDK20070424_100424_000000722057_00308_26915_0914.N1	0	31
ASA_GM1_1PNPDK20070424_200057_000005732057_00314_26921_1741.N1	0	73

ASA_WSM_1PNPDE20070424_052315_000002022057_00306_26913_4879.N1	0	72
ASA_APM_1PNPDE20070424_021349_000000402057_00304_26911_4412.N1	13	0
ASA_APM_1PNPDK20070424_084924_000000402057_00308_26915_0777.N1	15	257

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

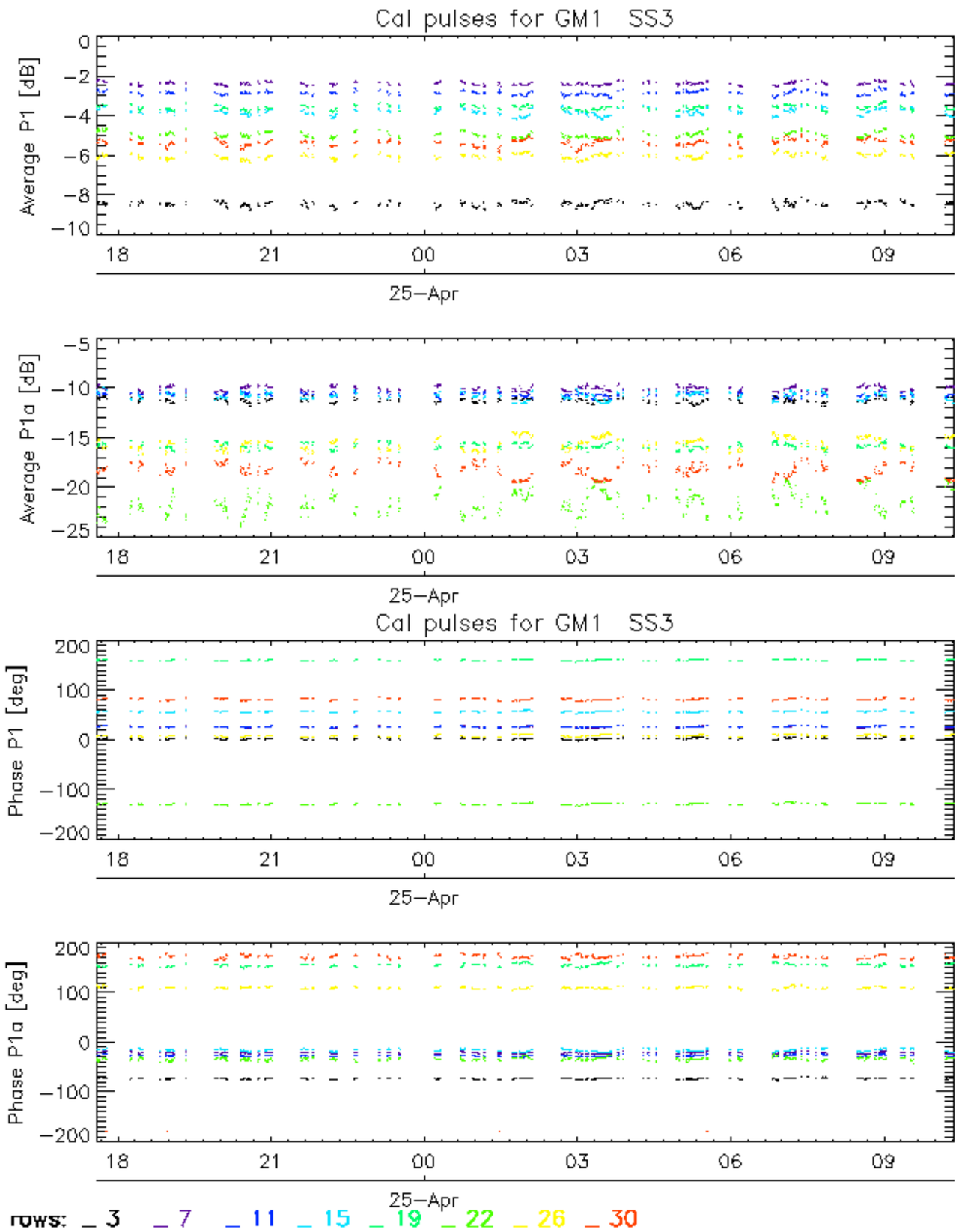
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

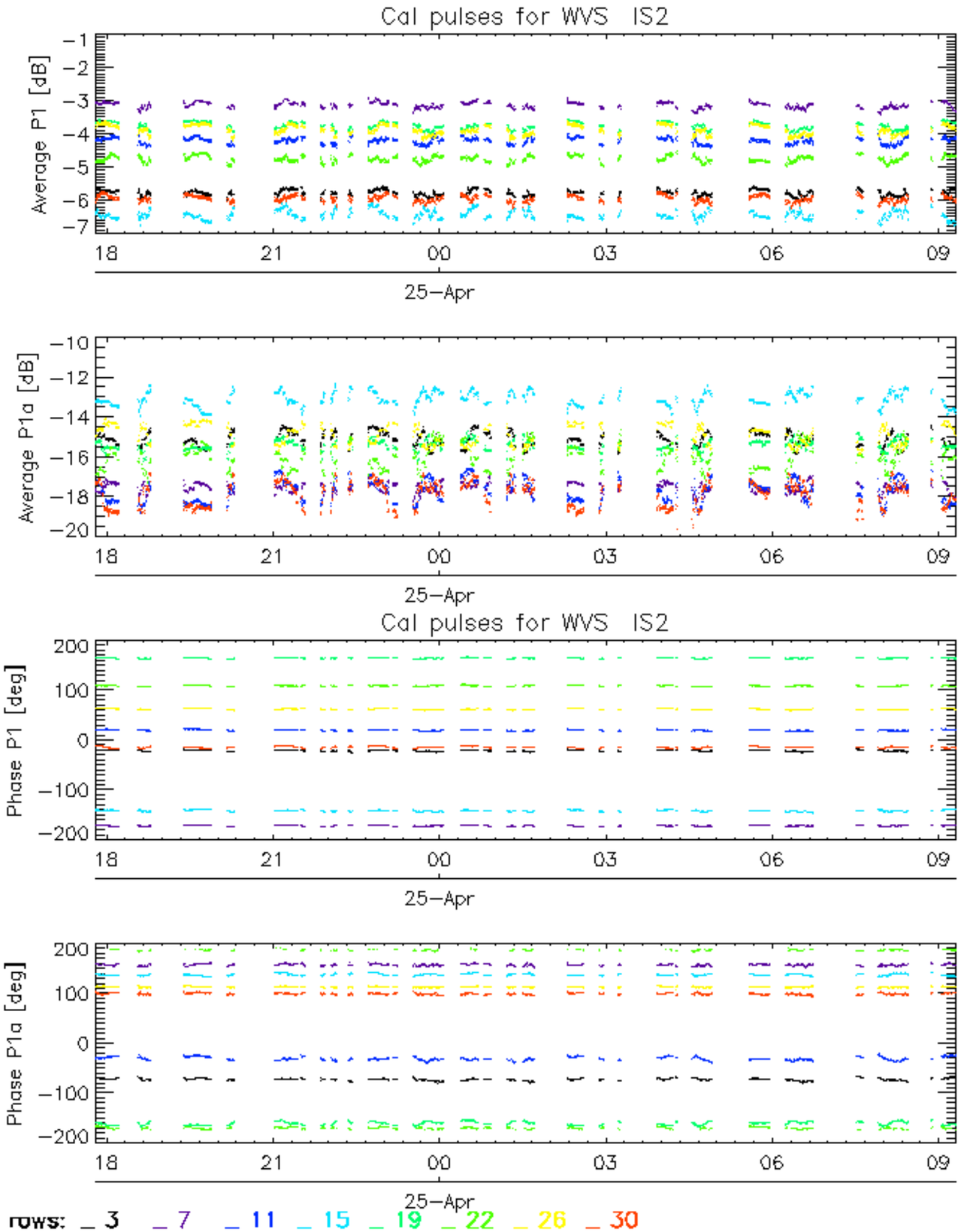
7.5 - Absolute Doppler for GM1

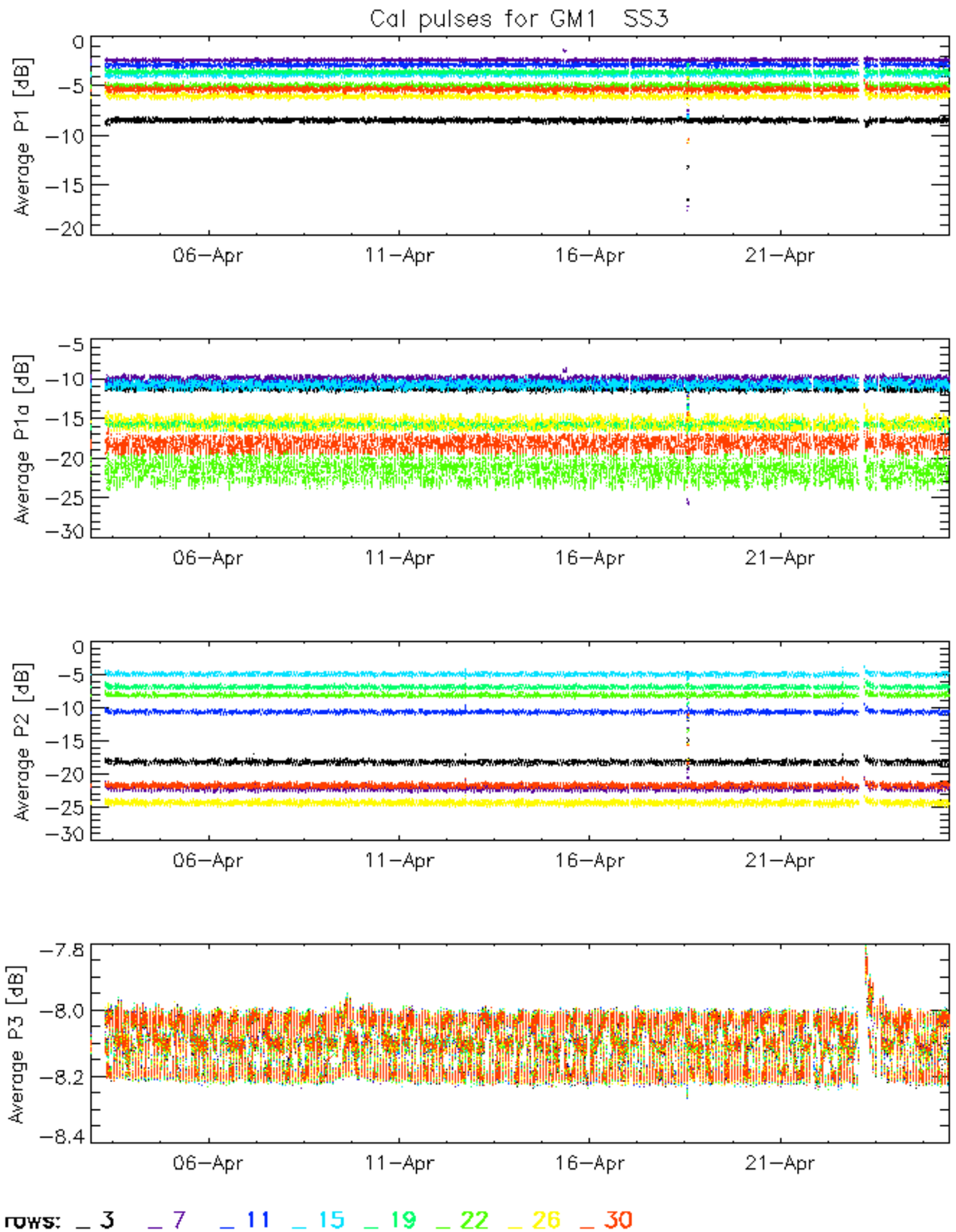
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

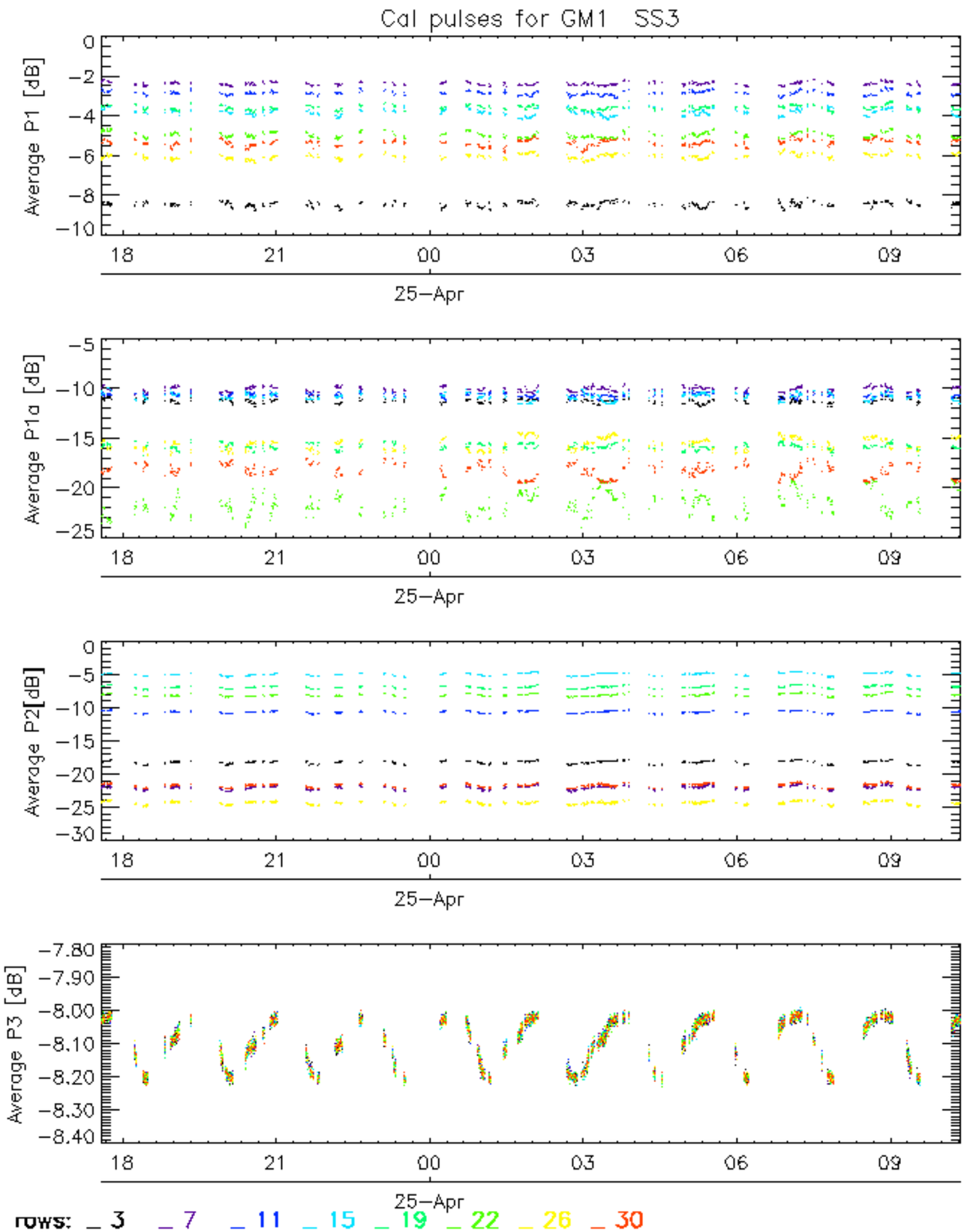
7.6 - Doppler evolution versus ANX for GM1

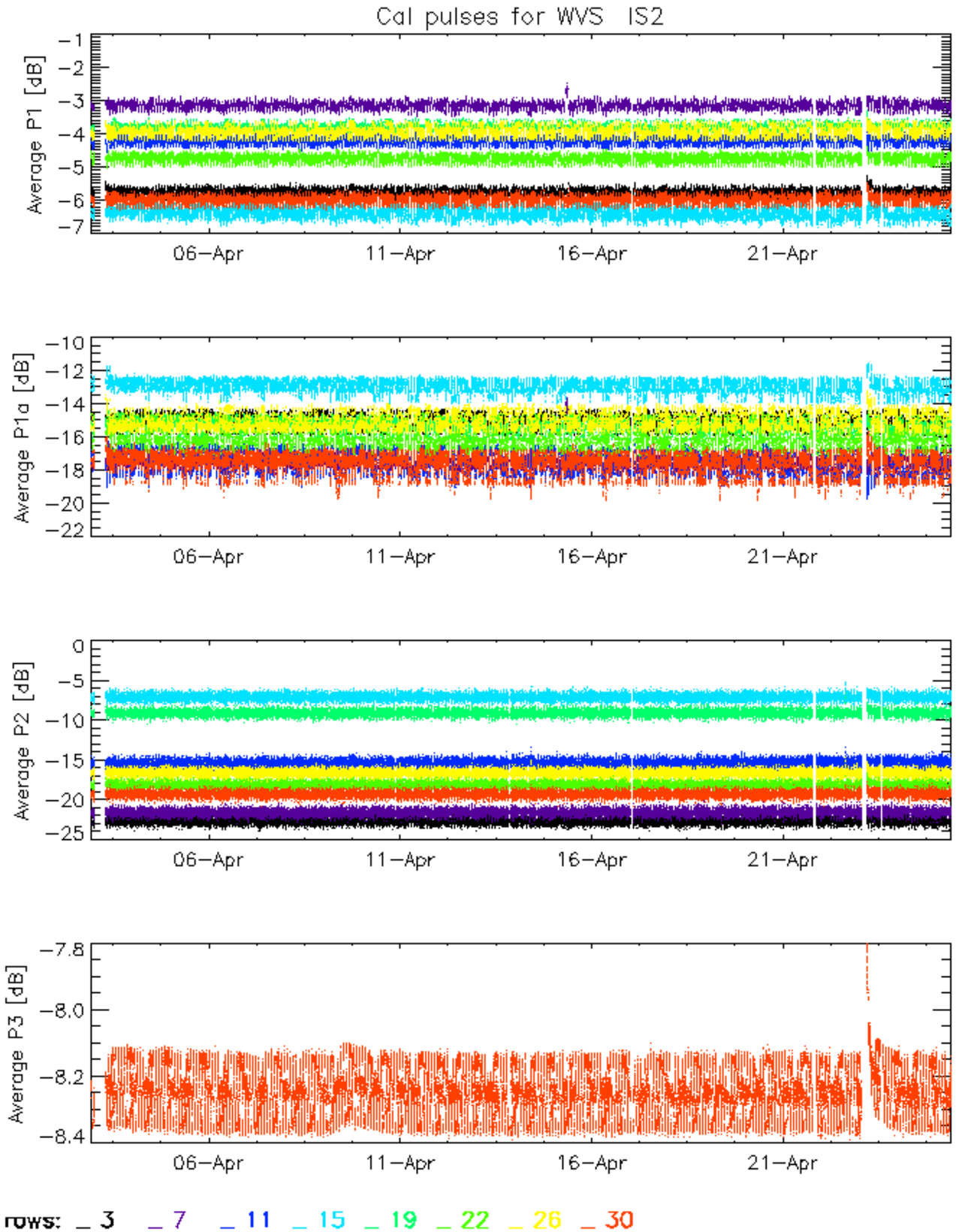
Evolution Doppler error versus ANX
☒

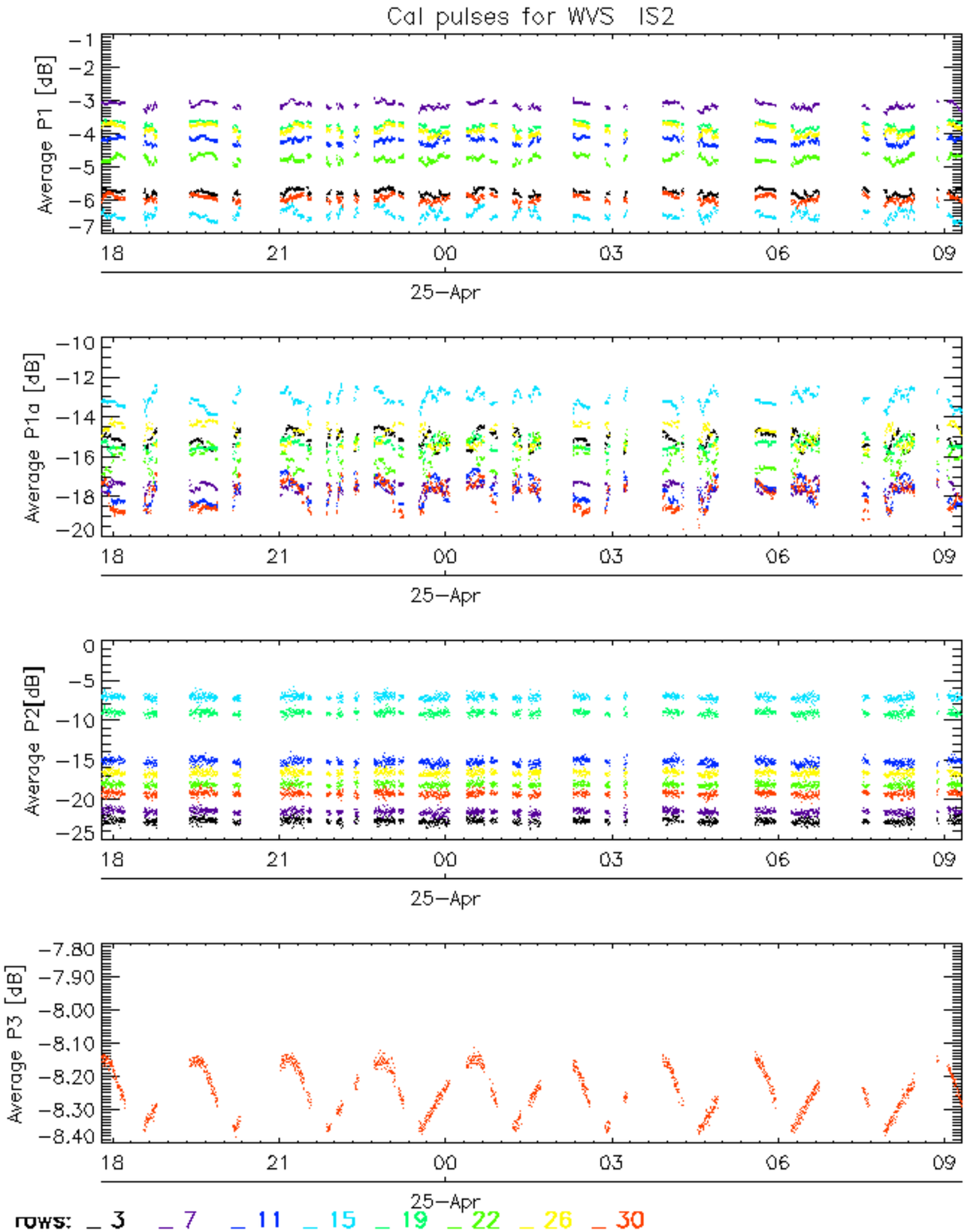

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
25−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
25−Apr
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
25−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
25−Apr
rows: _ 3 _ 7 _ 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
25−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
25−Apr
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
25−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
25−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
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

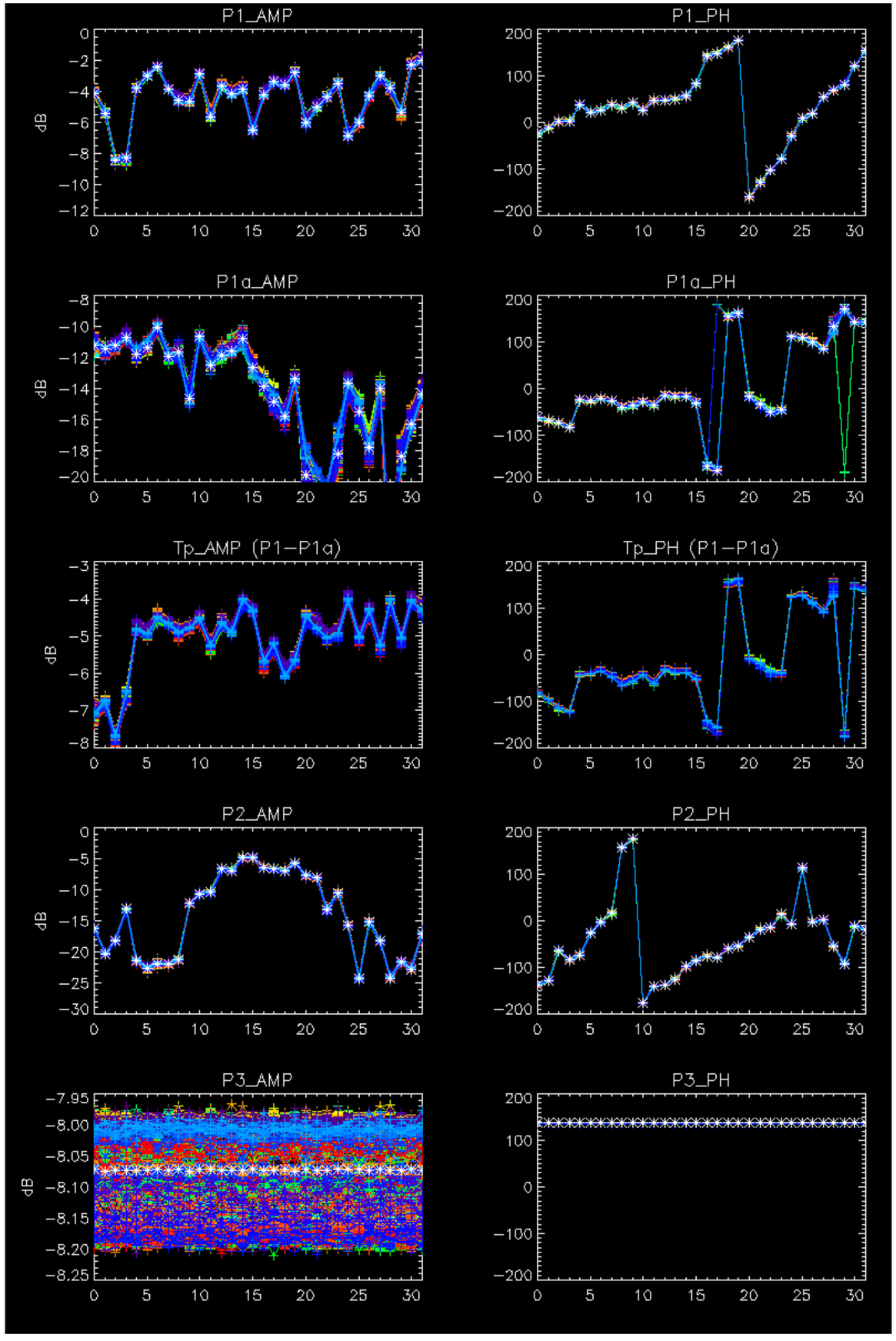

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
25−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
25−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
25−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
25−Apr
rows: 3 7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

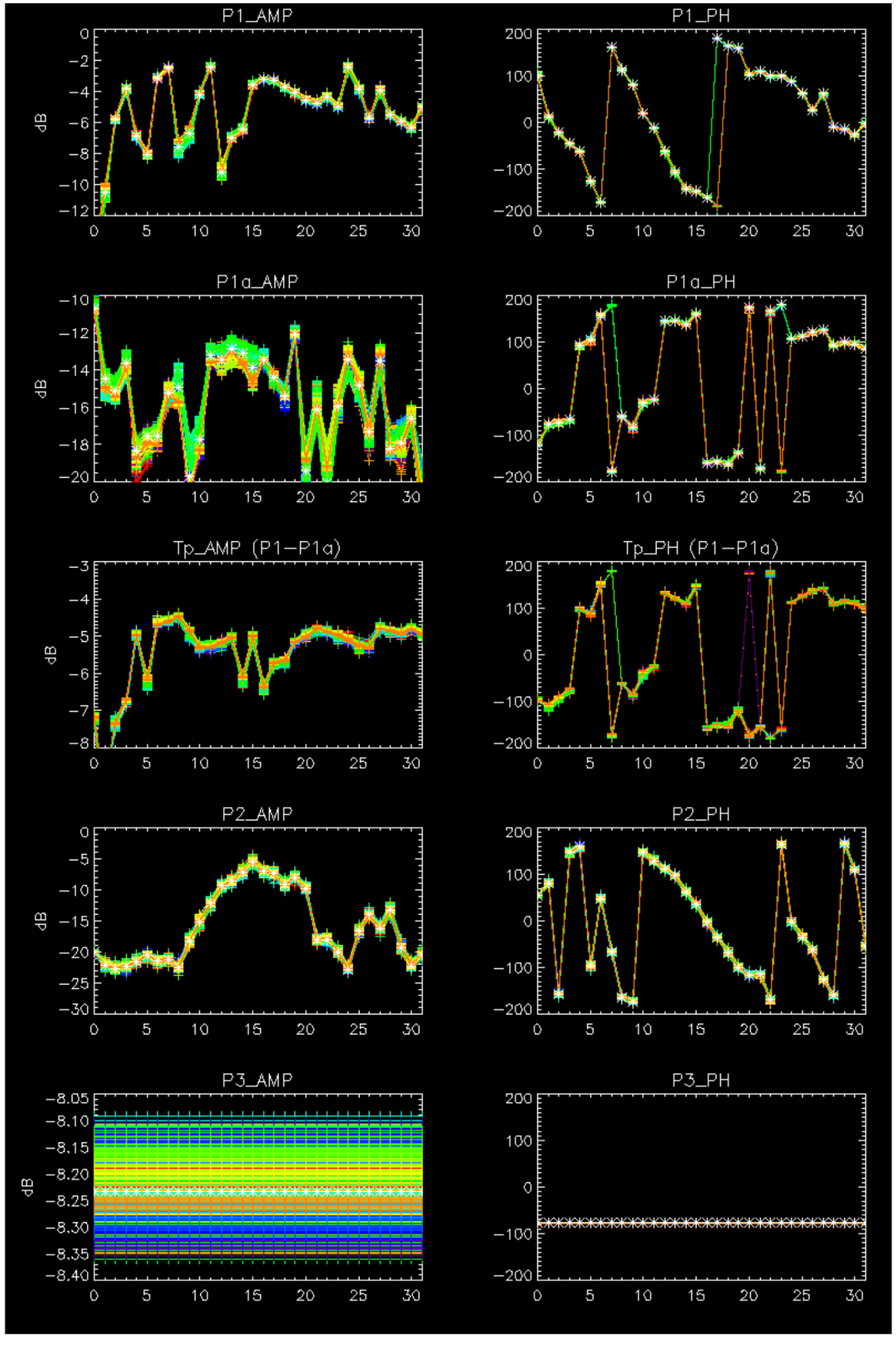

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
21−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
06−Apr
11−Apr
16−Apr
21−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
21−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
21−Apr
rows: _ 3 _ 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
25−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
25−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
25−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
25−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

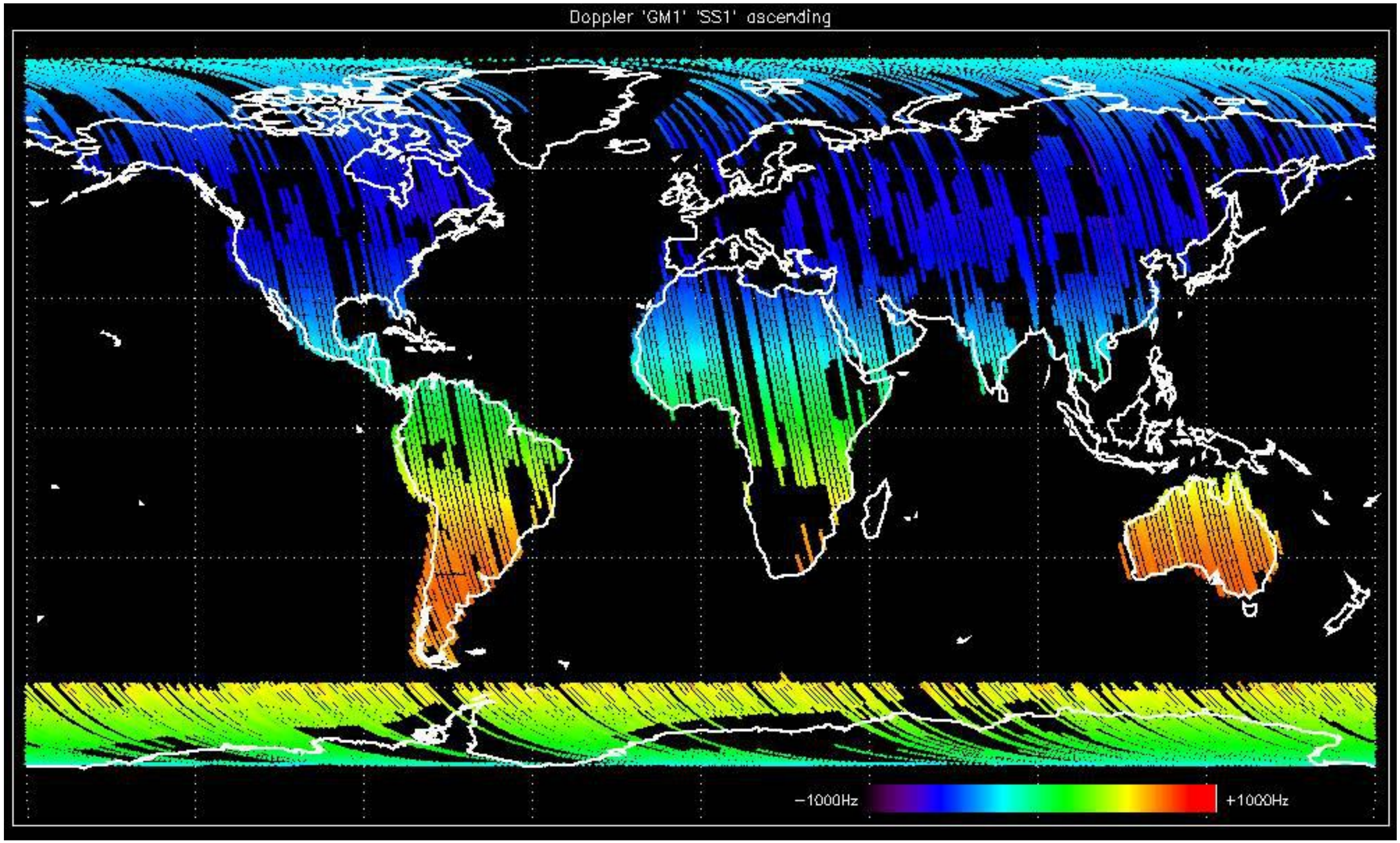
No anomalies observed.

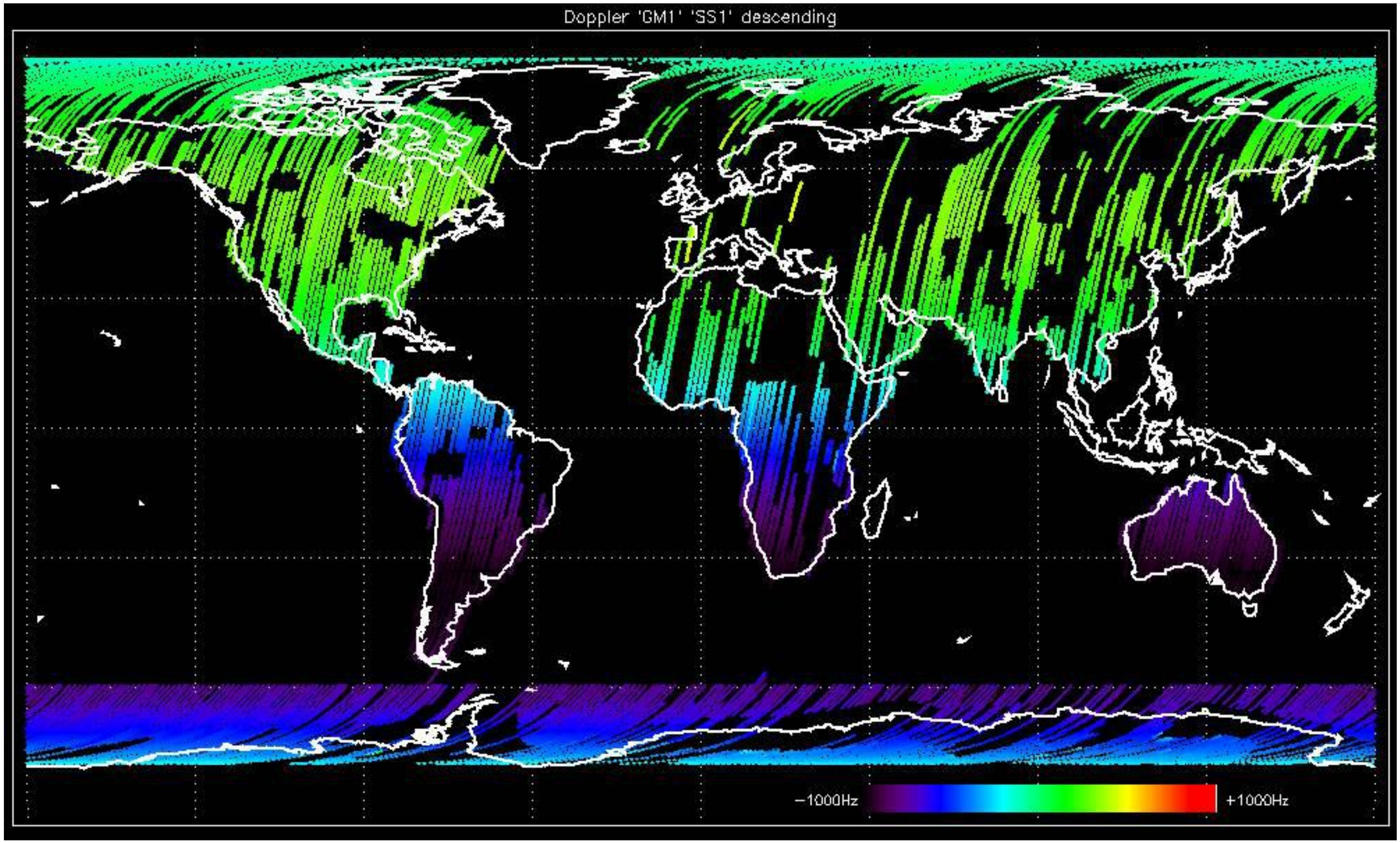

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

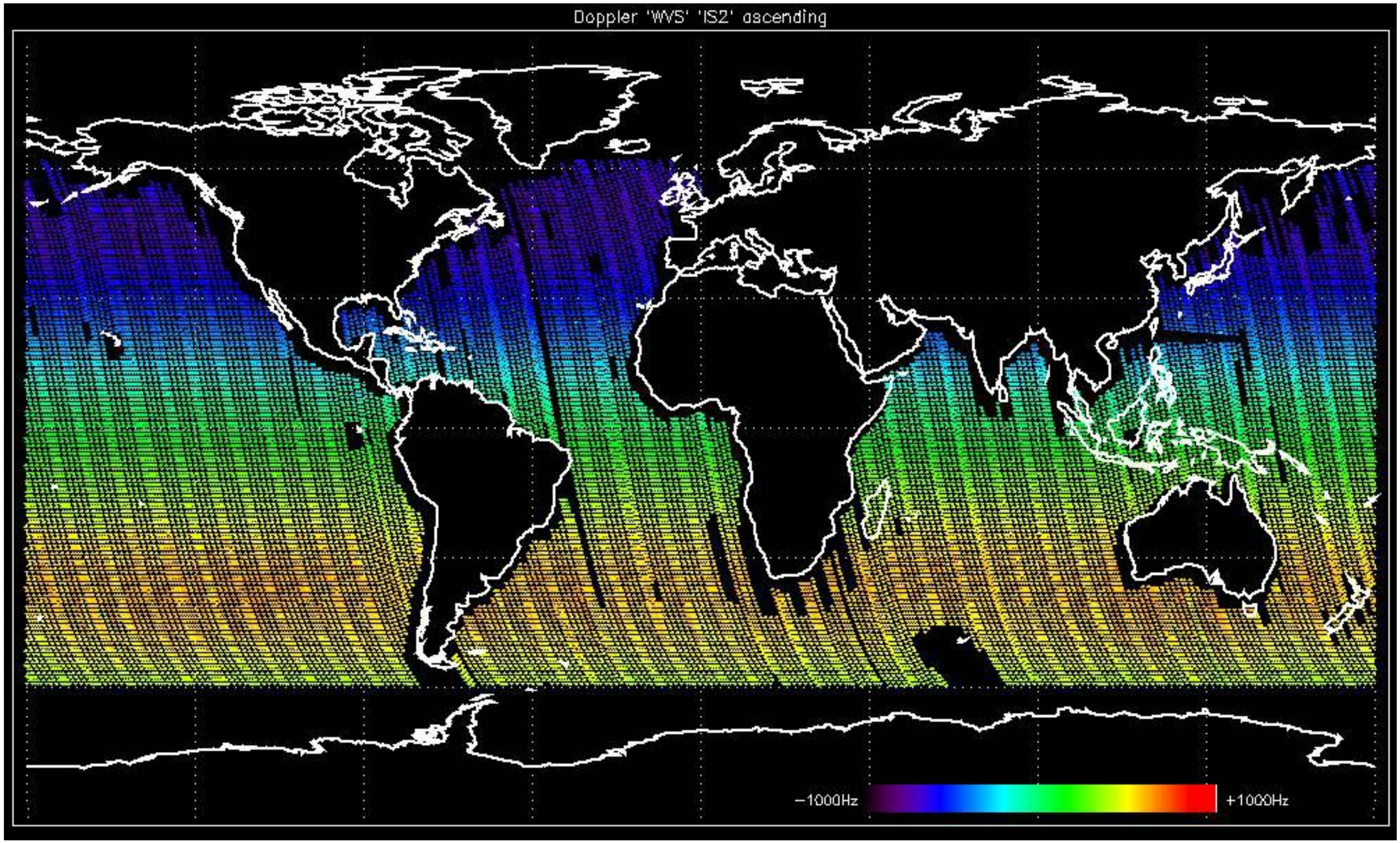

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

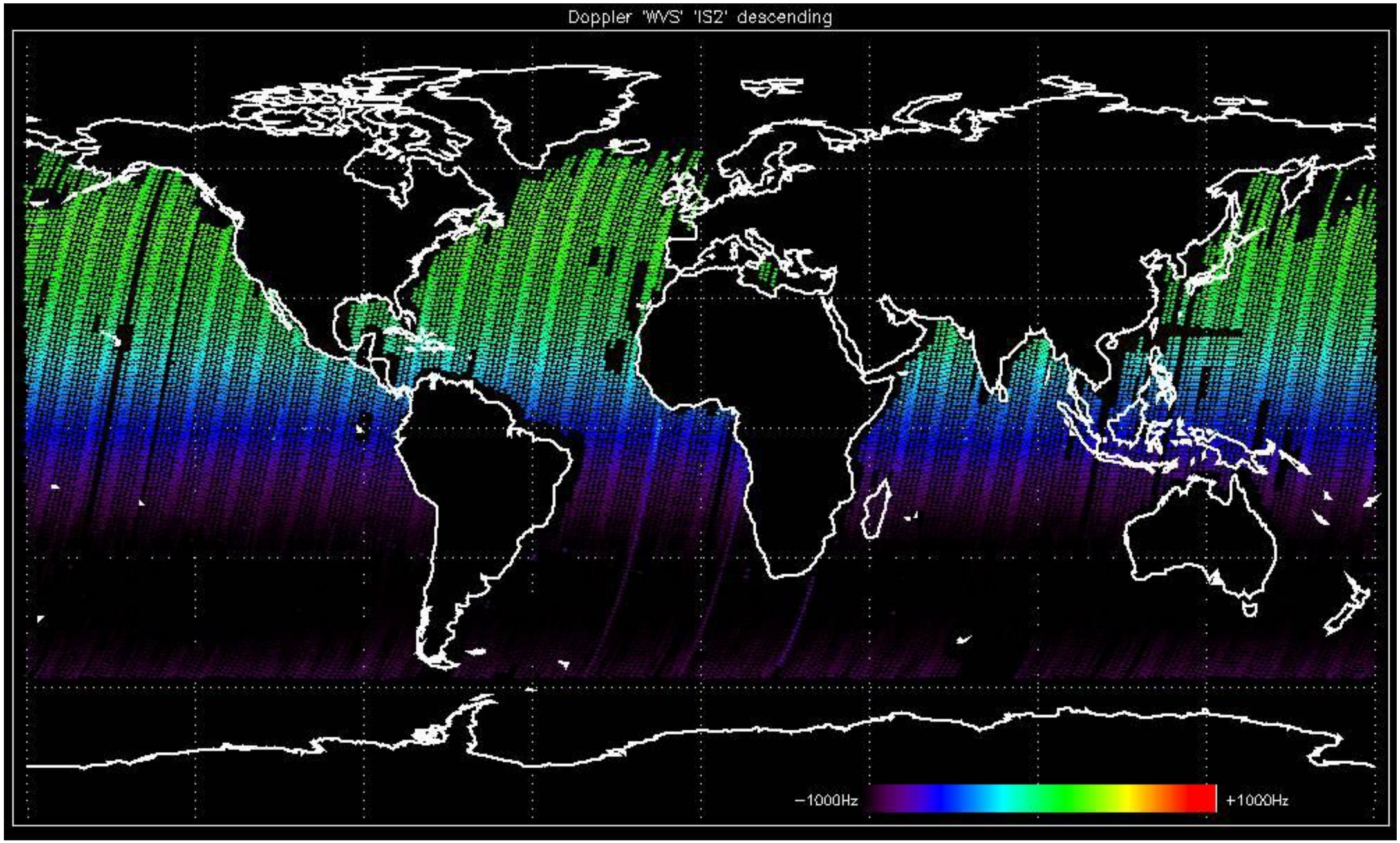
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

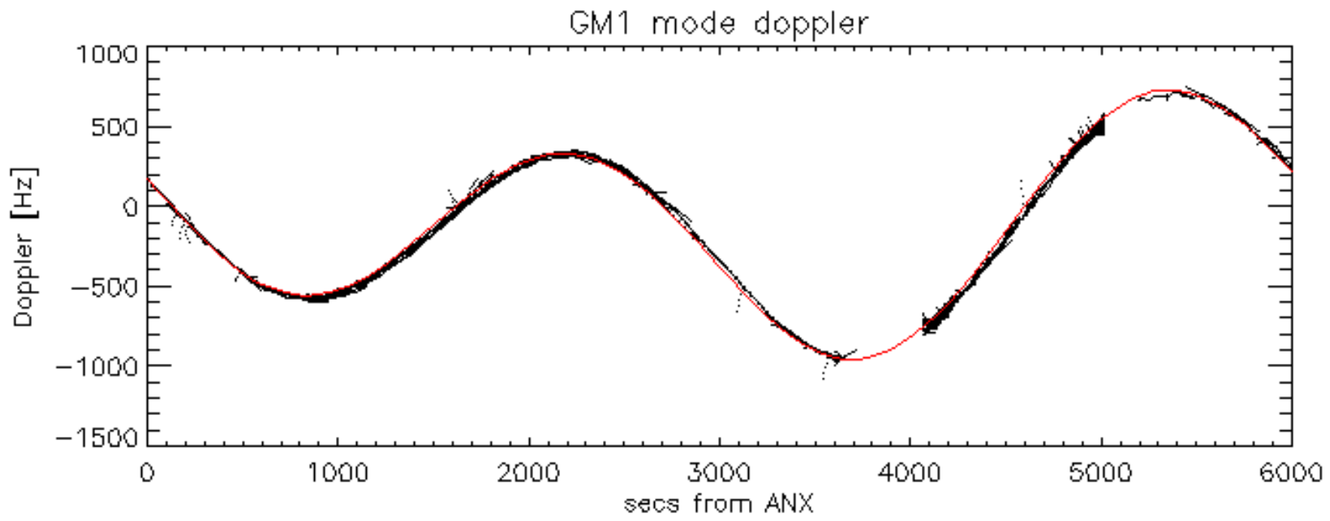
Preliminary report.The data is not yet controled

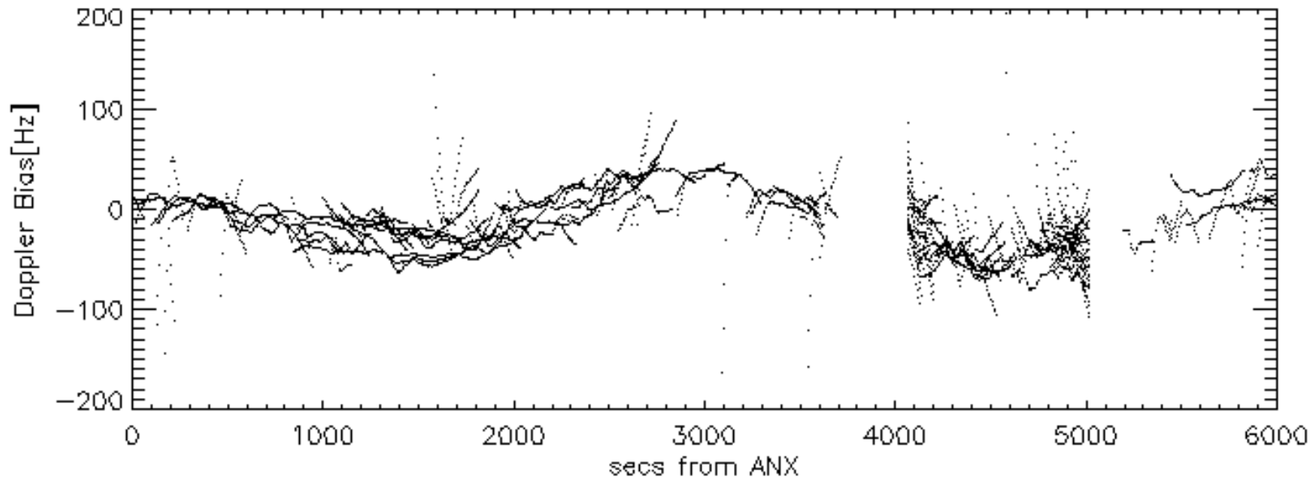

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

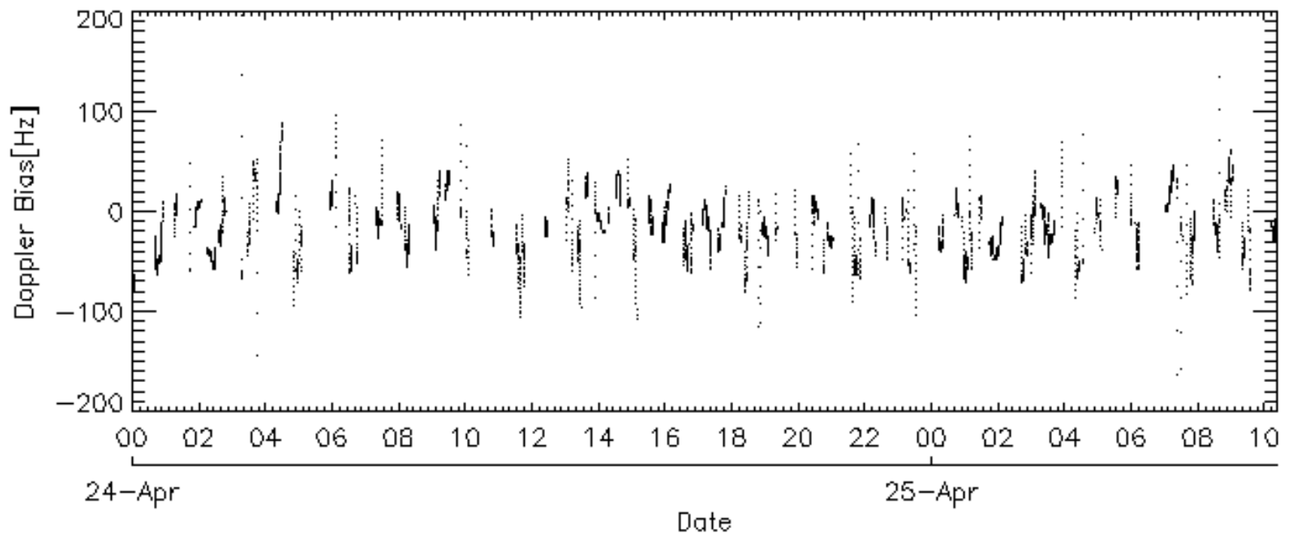

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

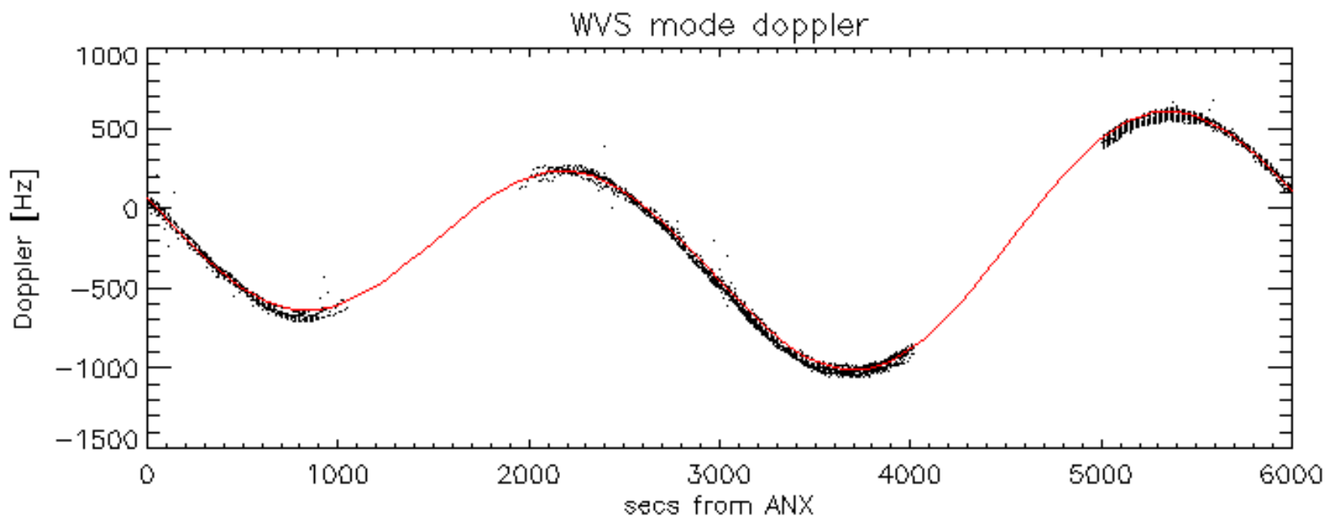

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

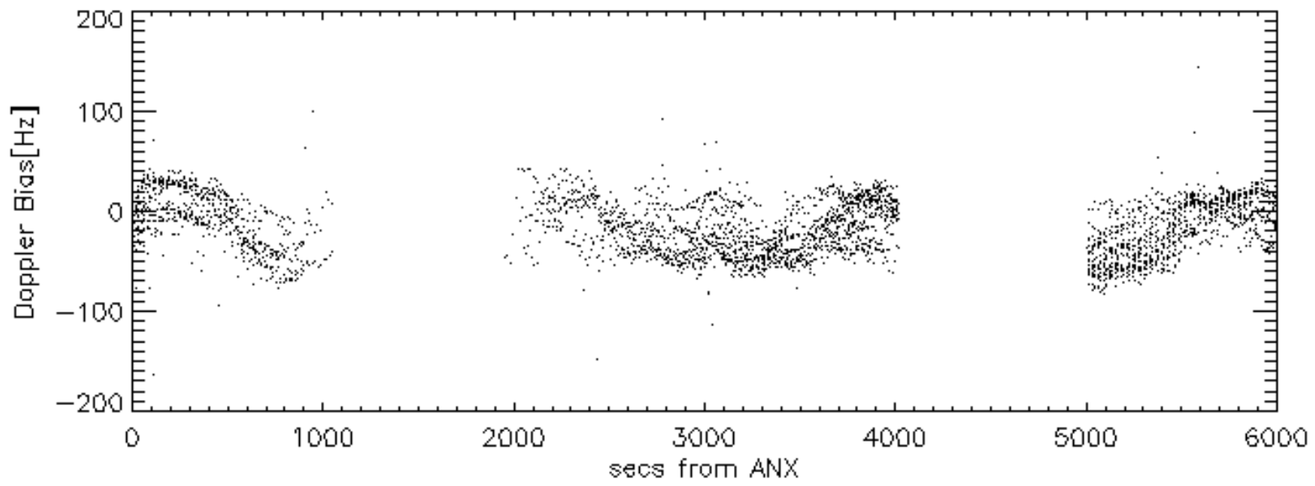

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

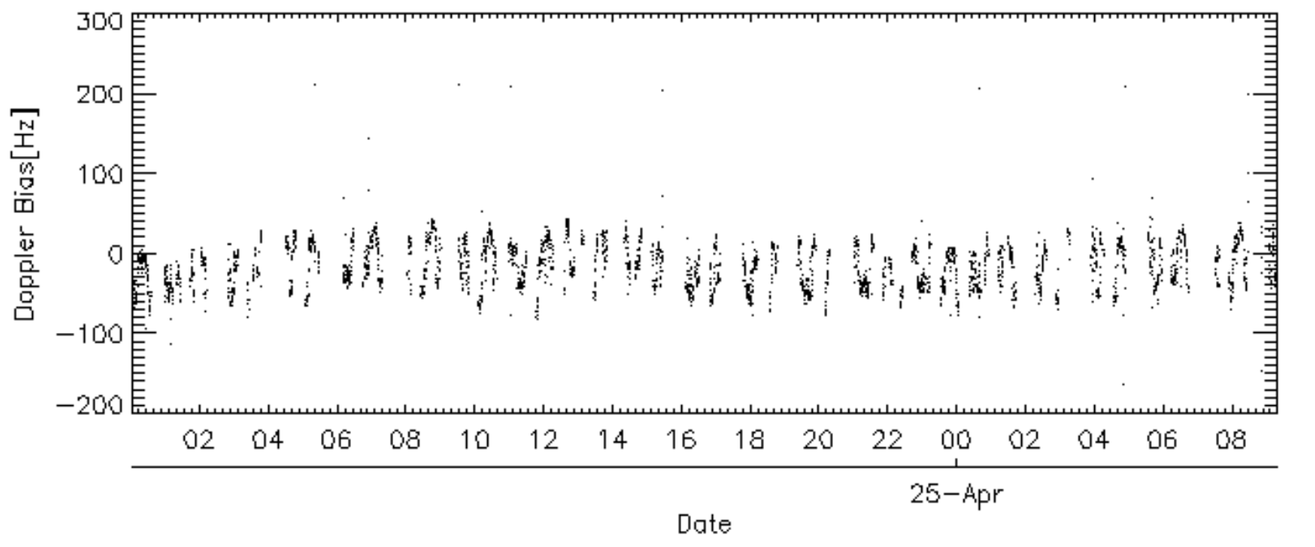

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

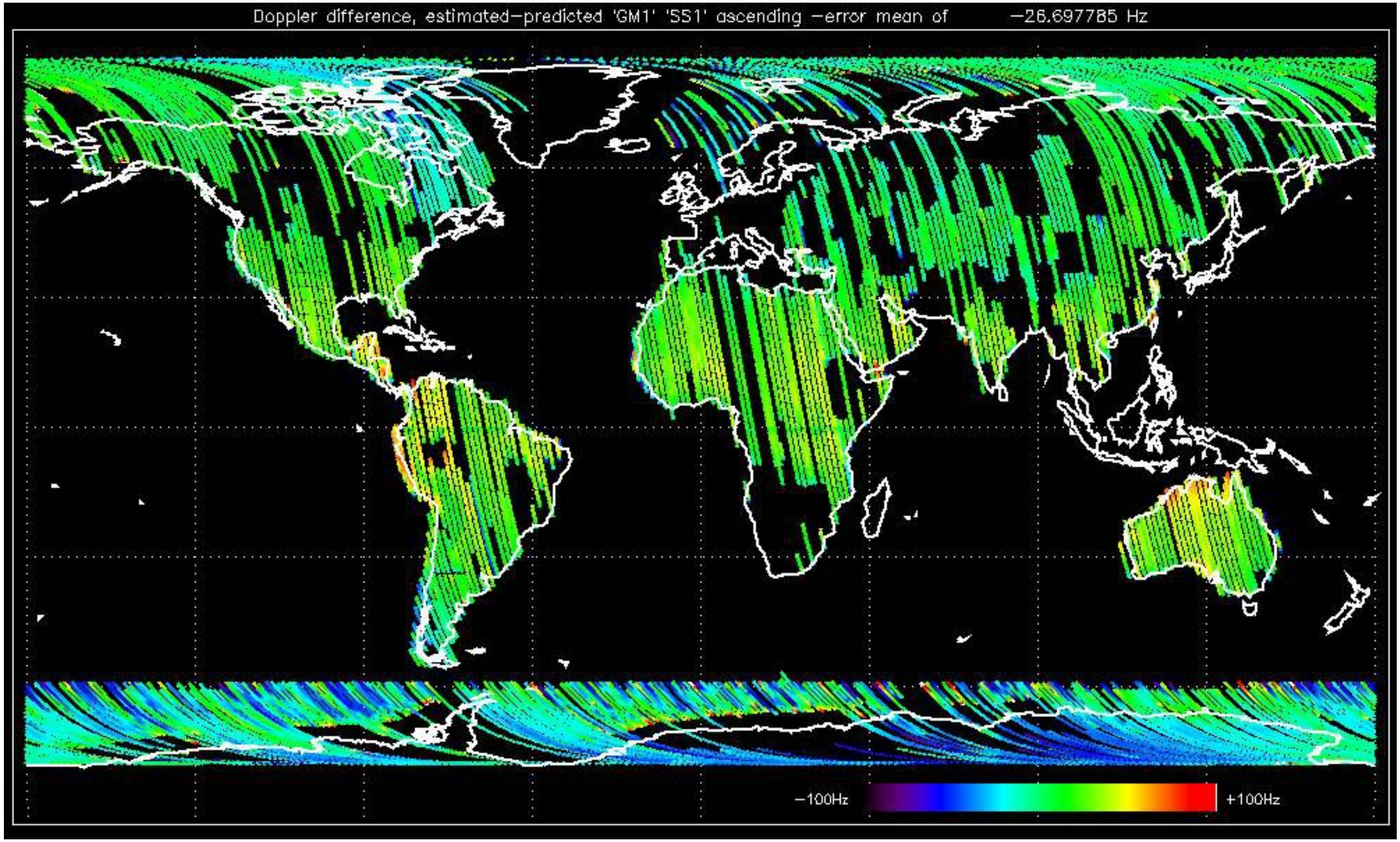

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

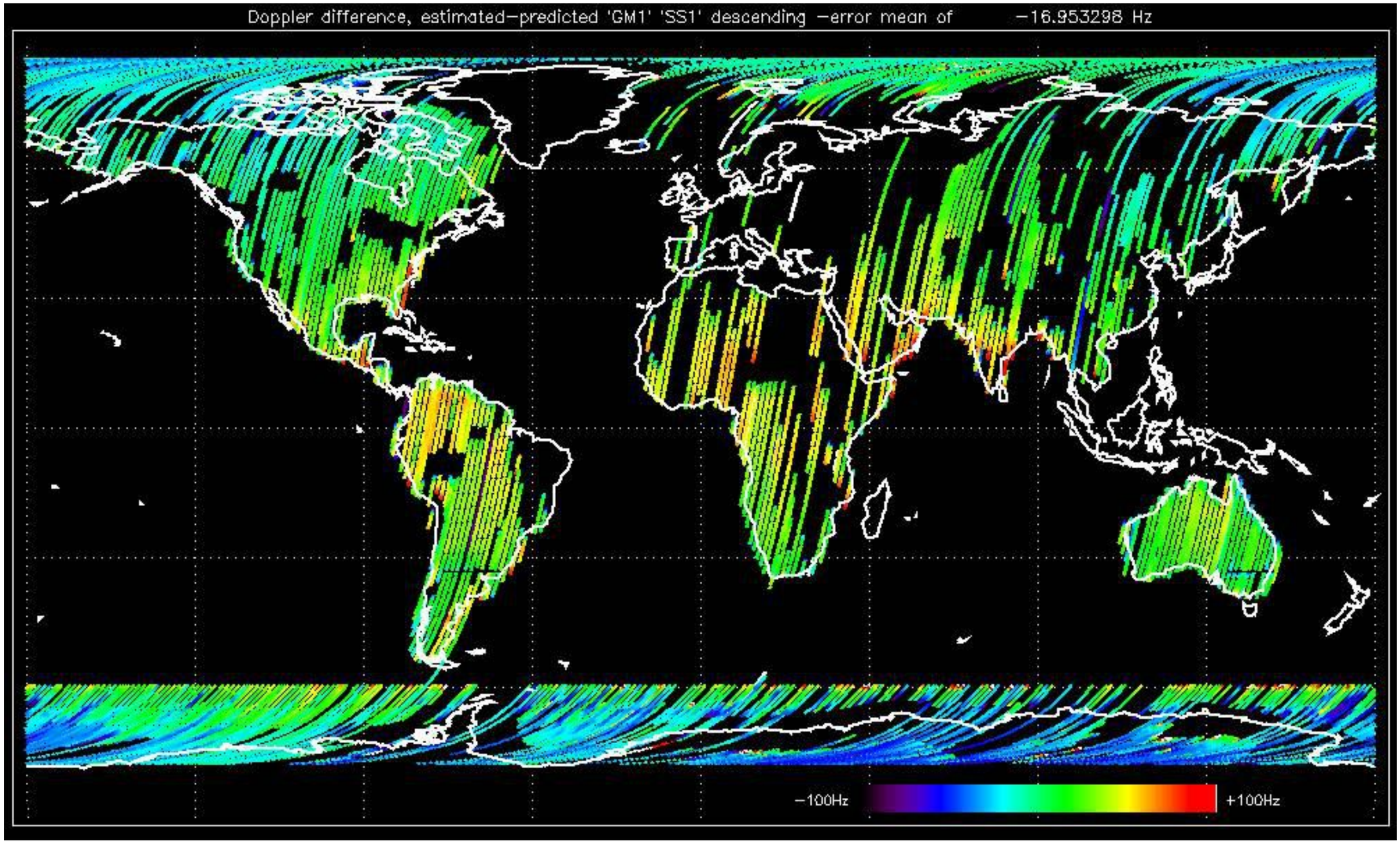

Doppler Bias[Hz]
200
100
0
−100
−200
00
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
24−Apr
25−Apr
Date

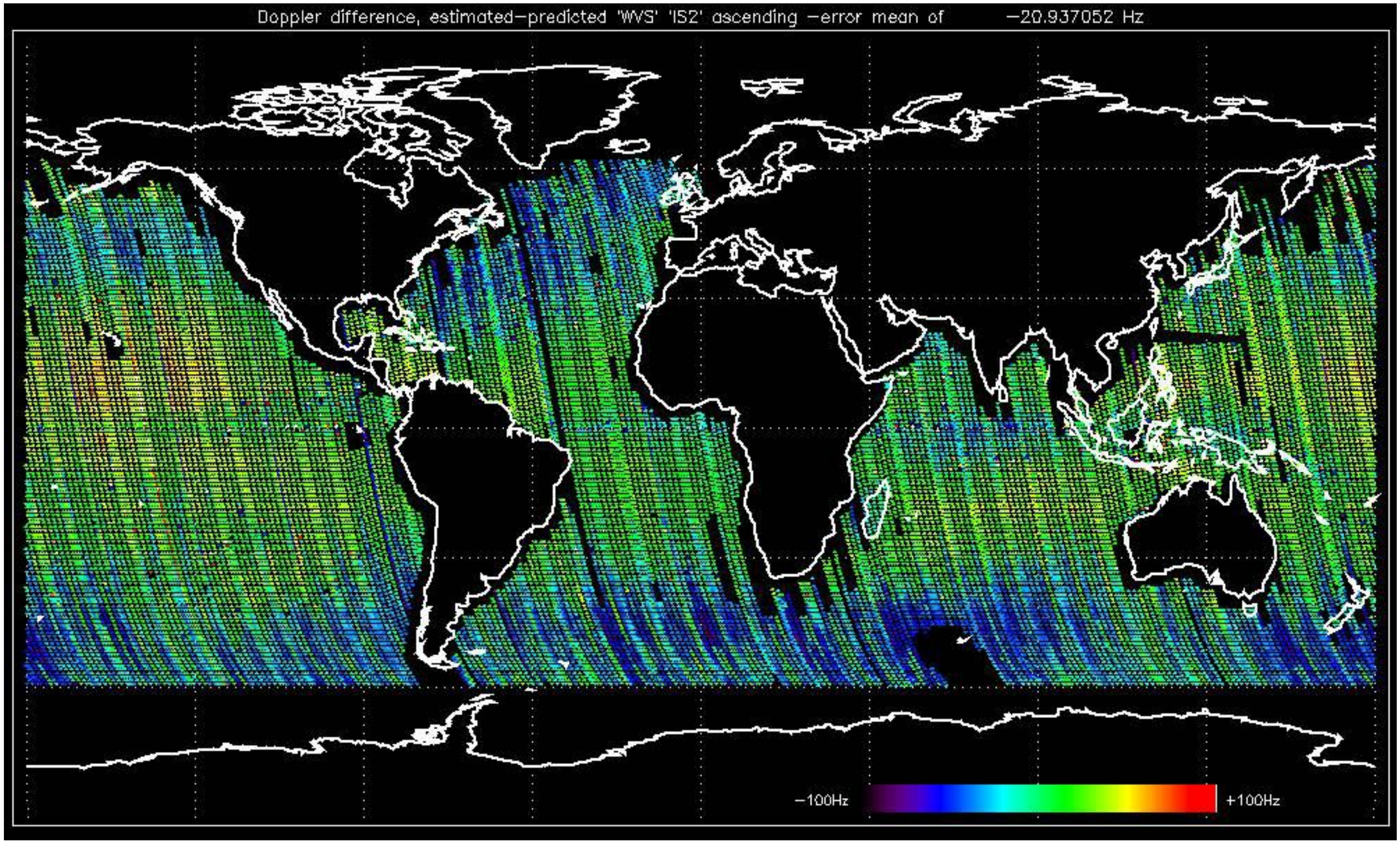

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

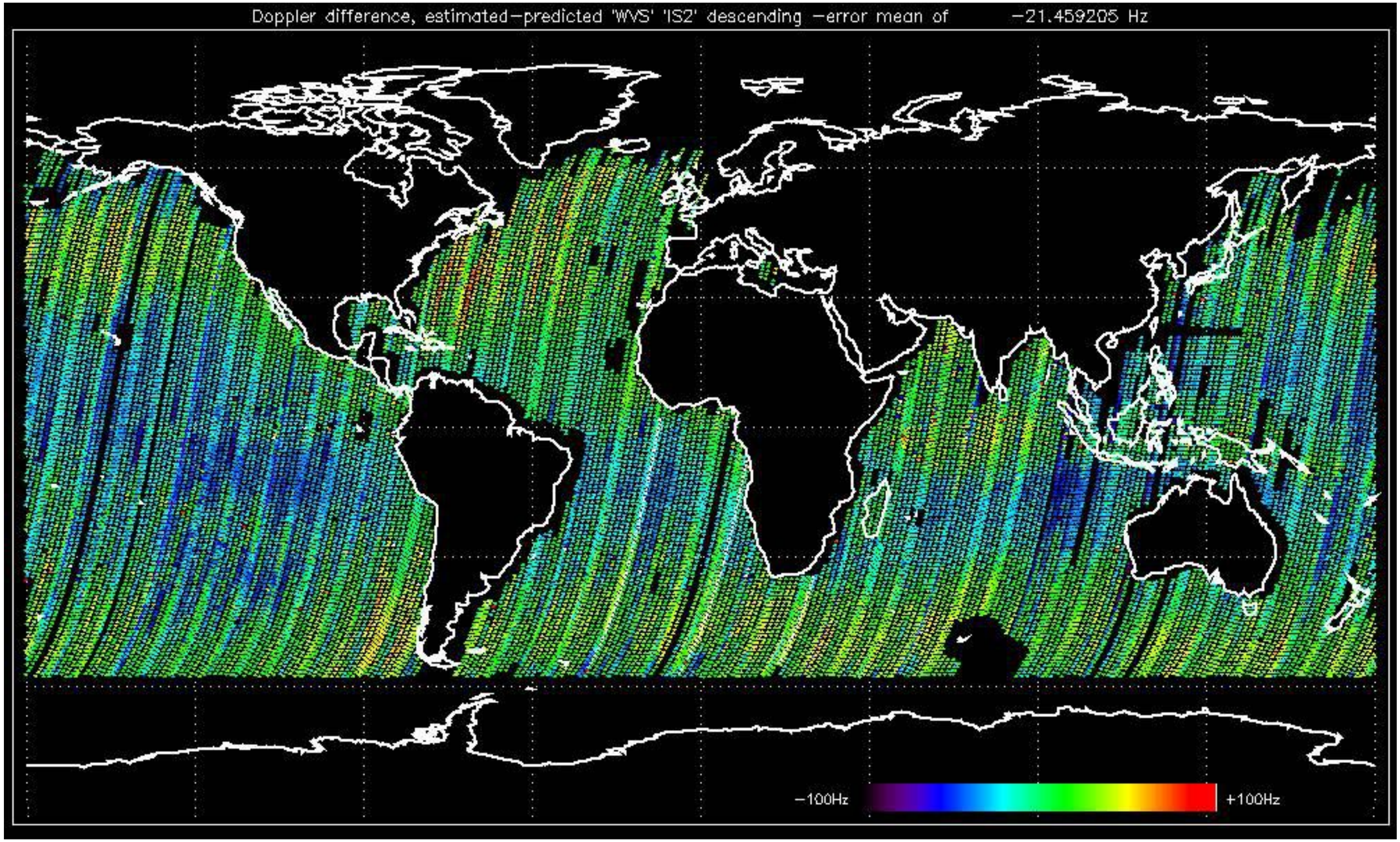

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
25−Apr
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −26.697785 Hz
−100Hz
+100Hz

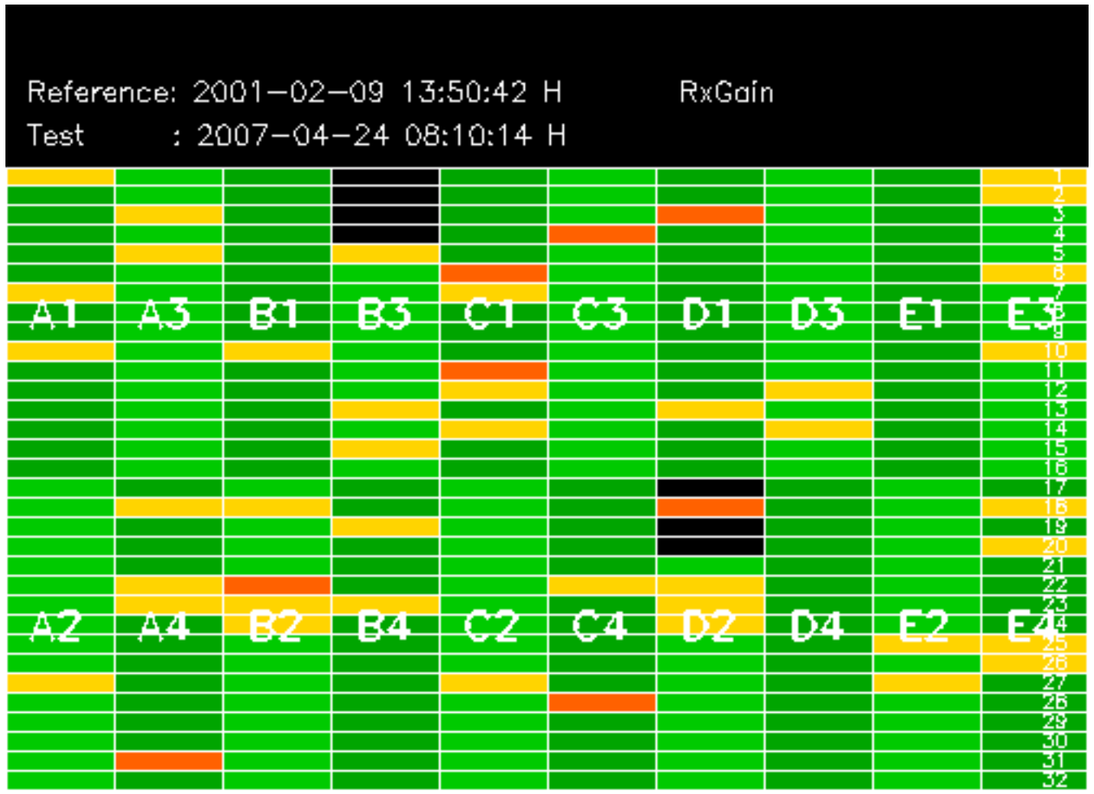

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.953298 Hz
-100Hz
+100Hz

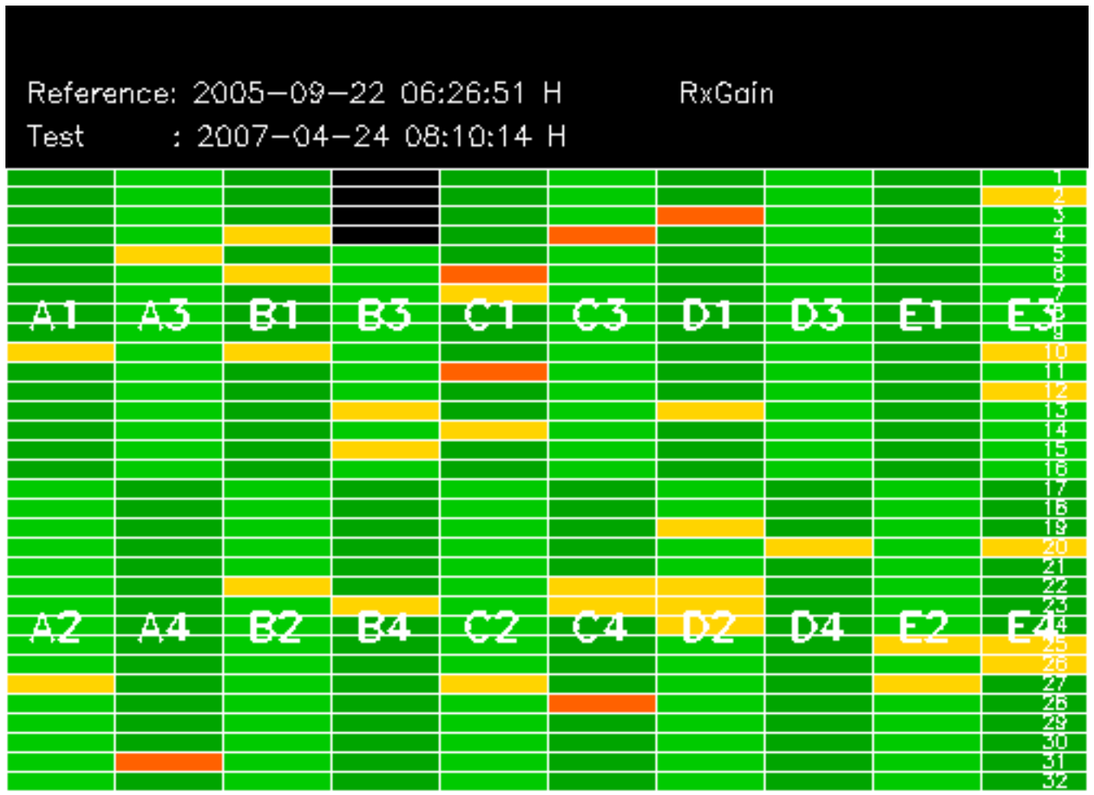

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −20.937052 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.459205 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-24 08:10:14 H
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 : 2007-04-24 08:10:14 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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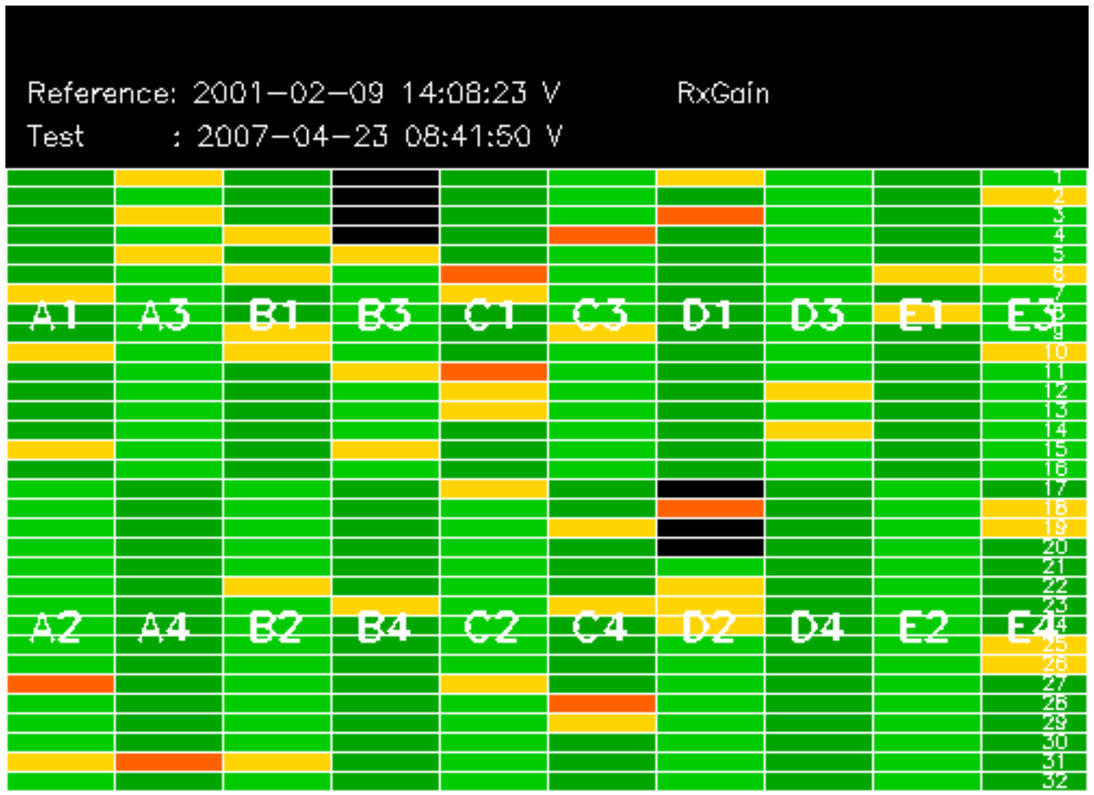
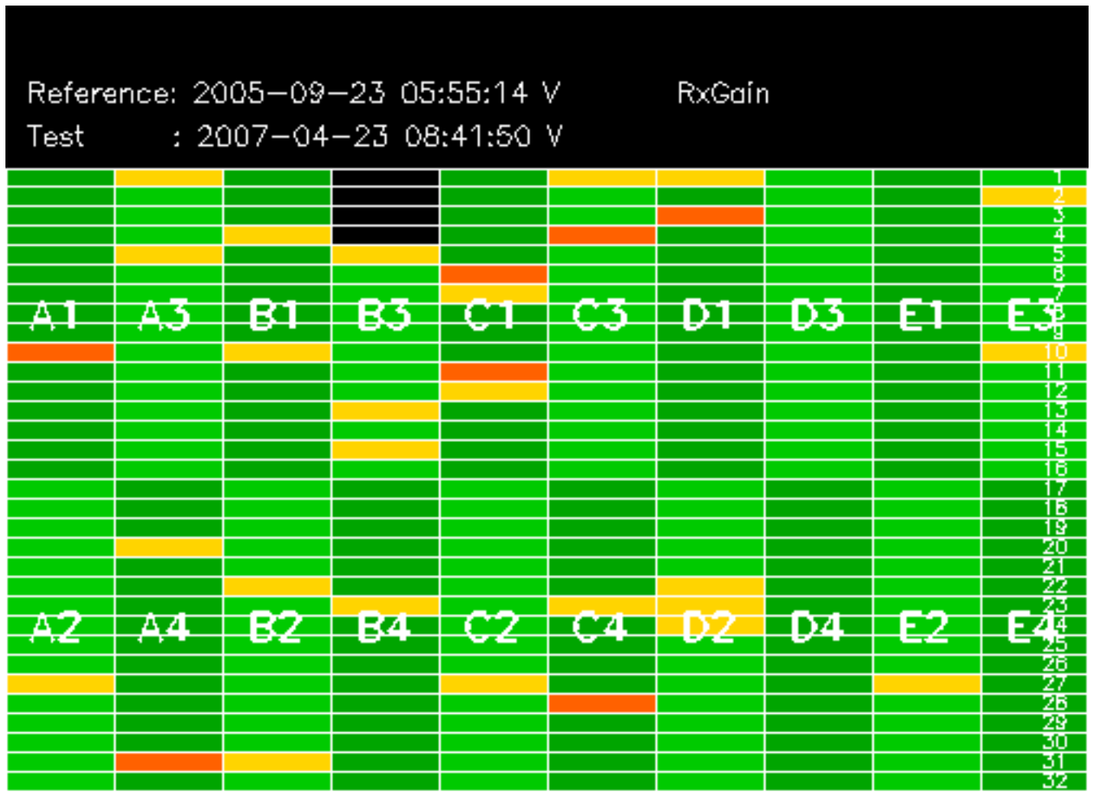

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-04-23 08:41:50 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-23 08:41:50 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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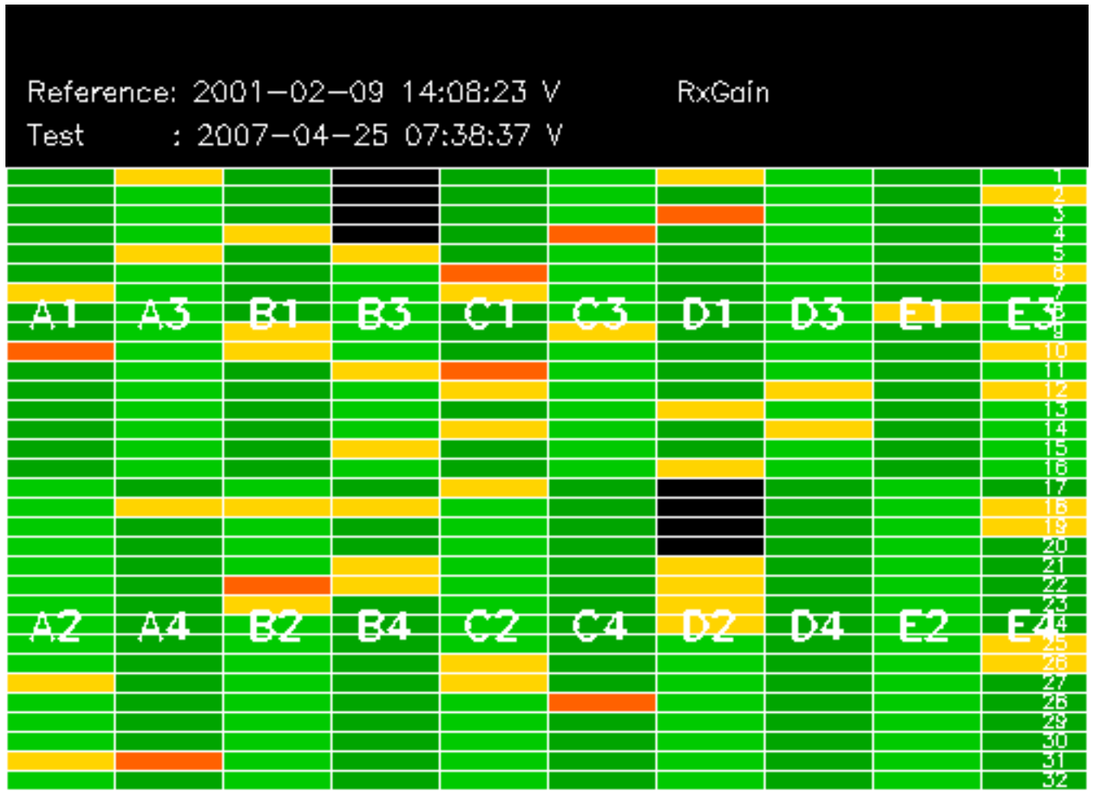
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-25 07:38:37 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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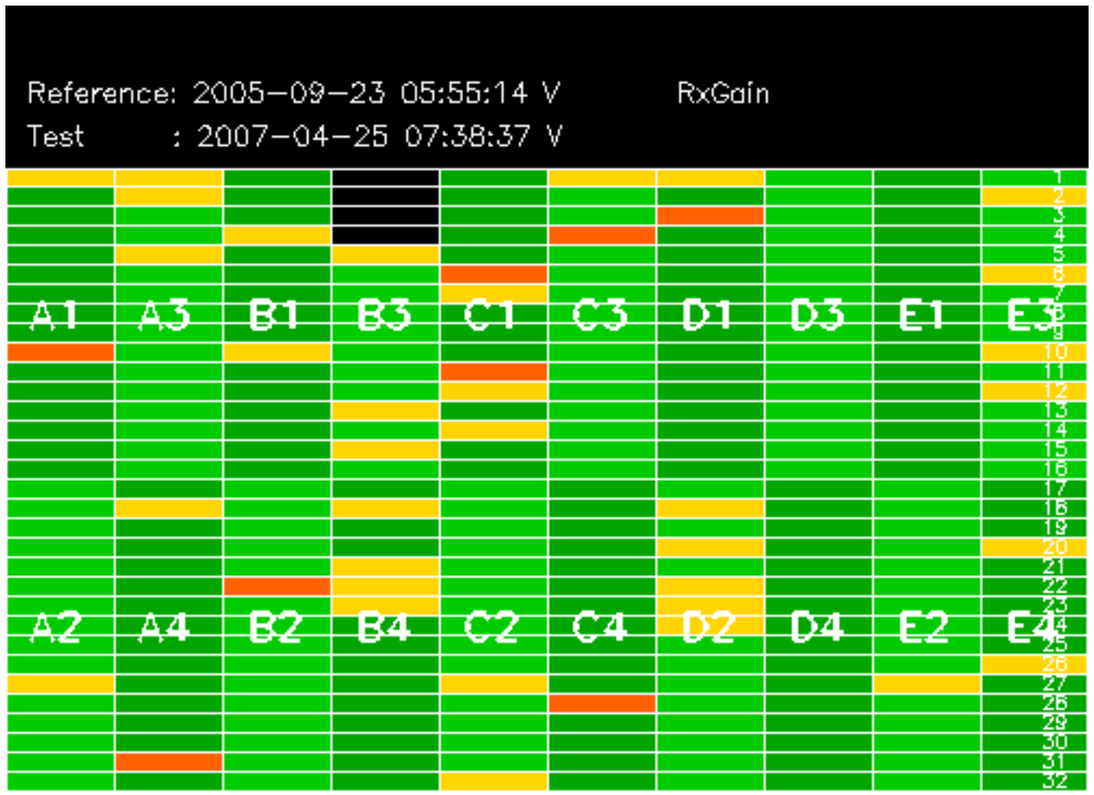
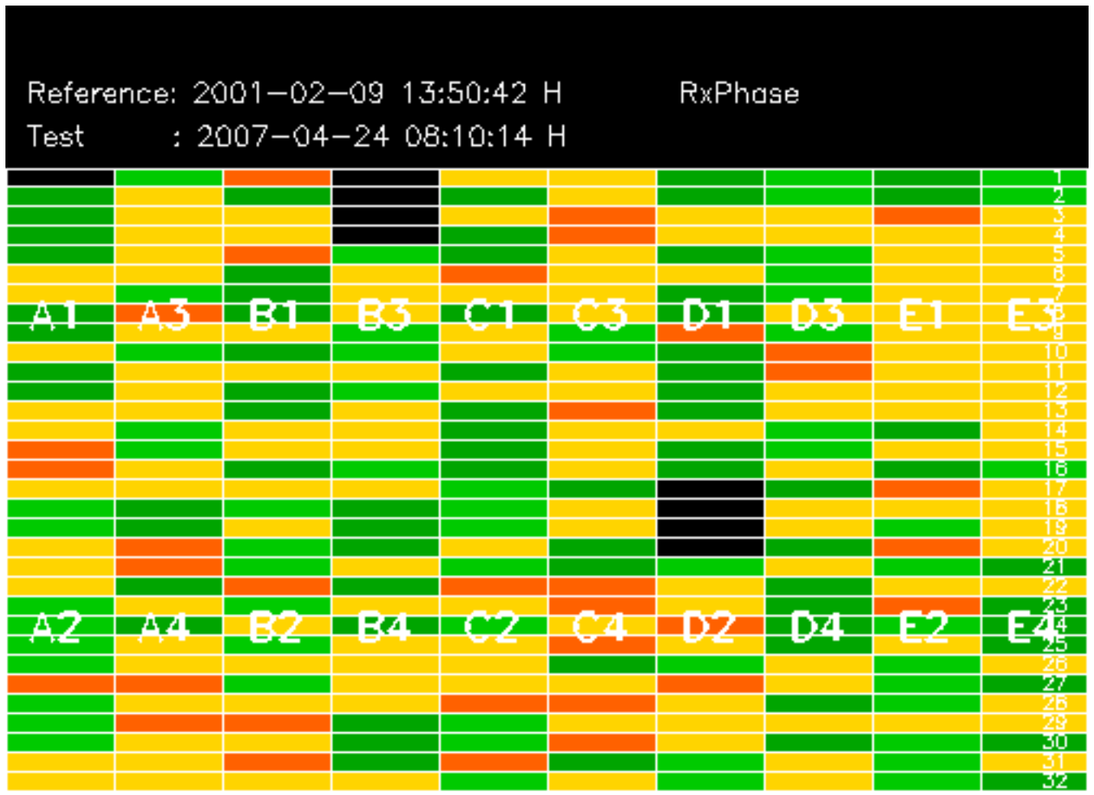

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-25 07:38:37 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-24 08:10:14 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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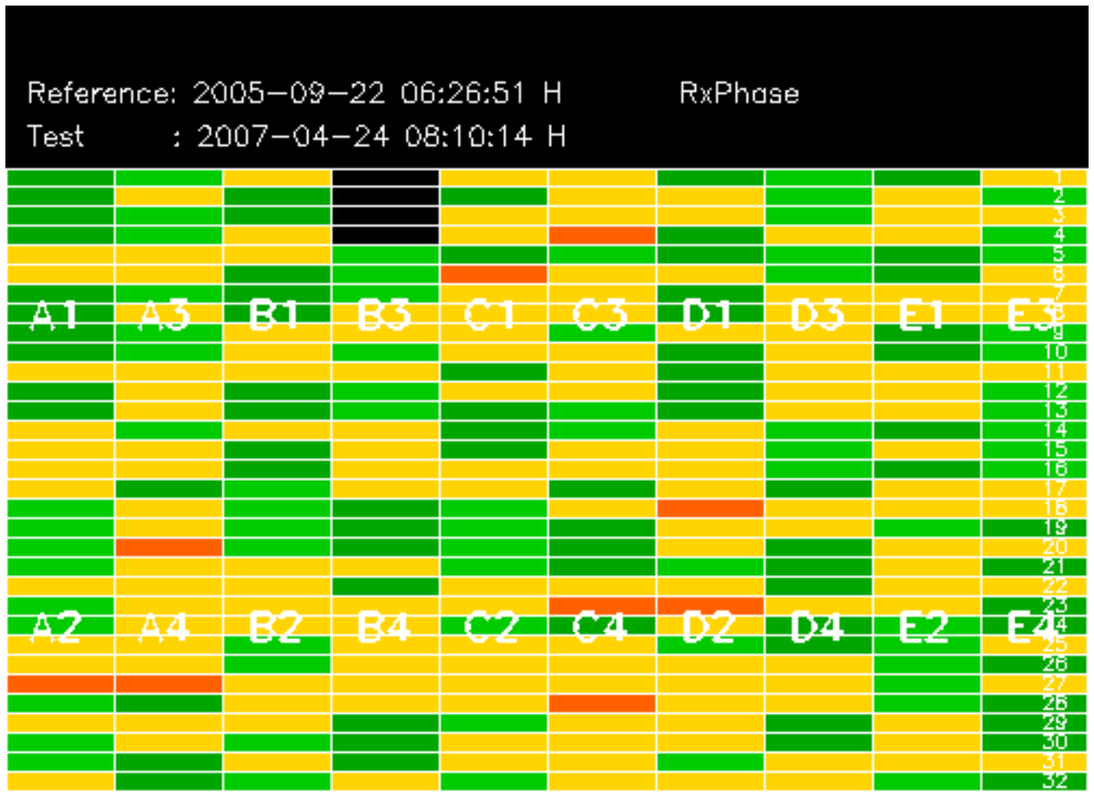
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-04-24 08:10:14 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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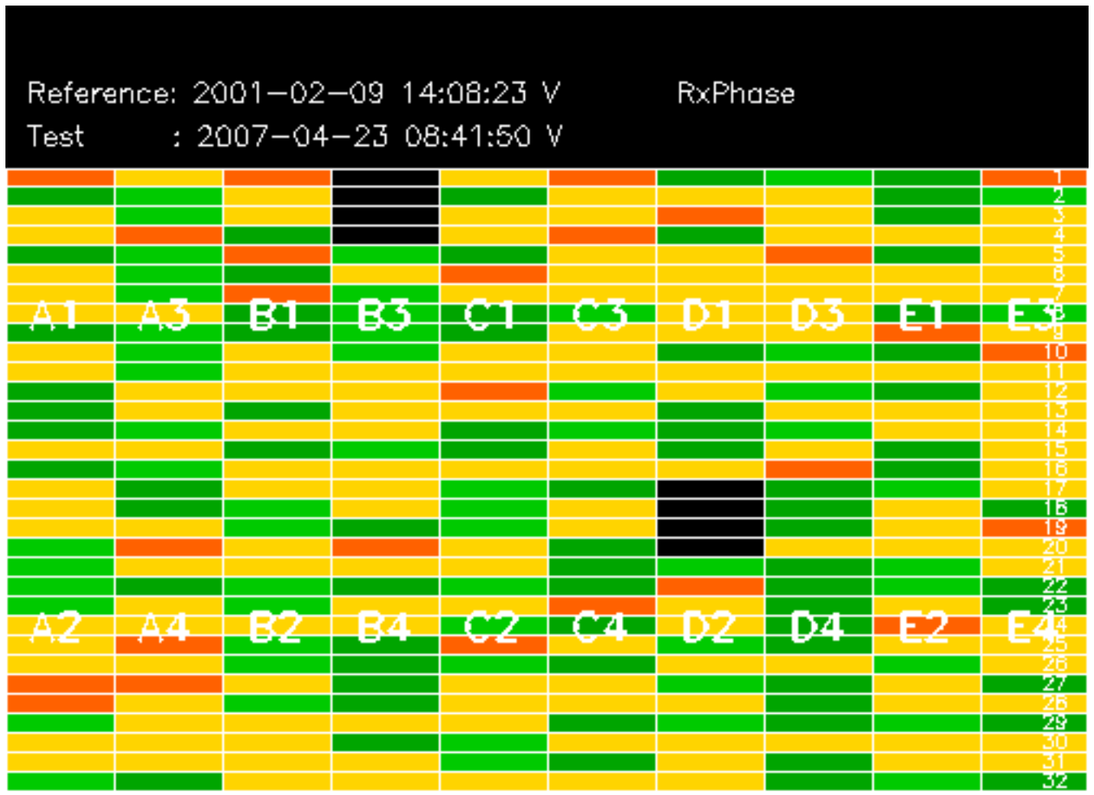
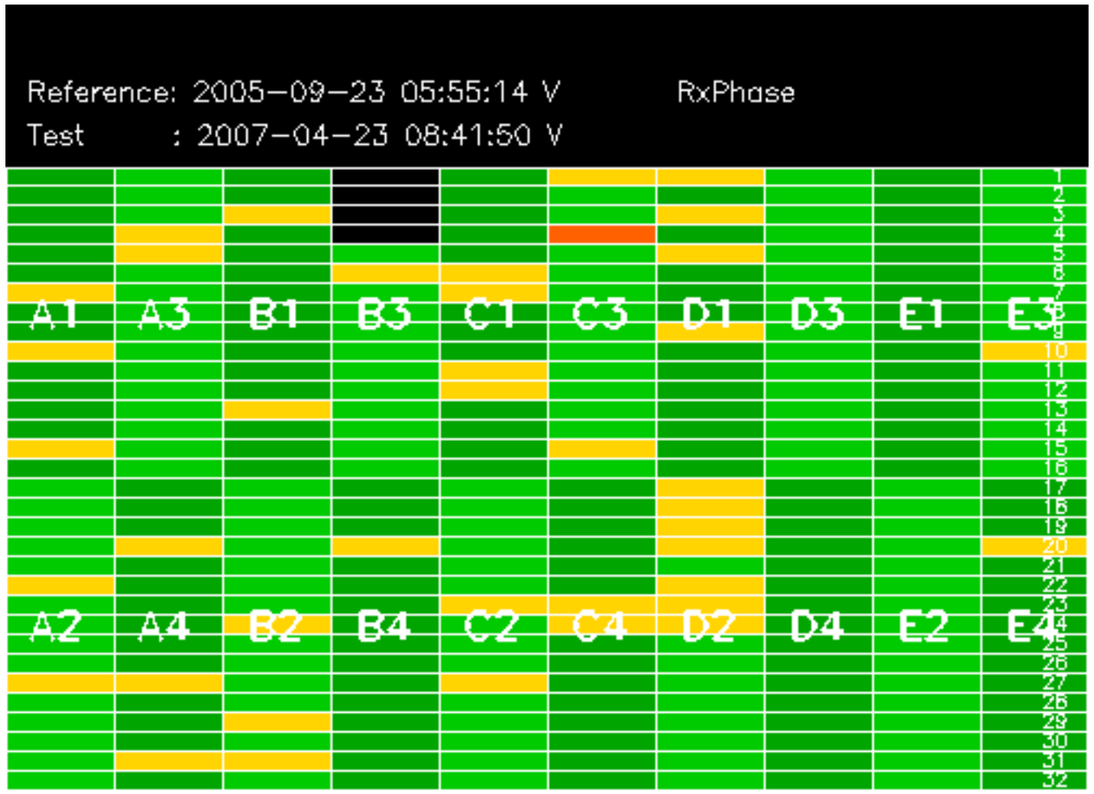

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-23 08:41:50 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-23 08:41:50 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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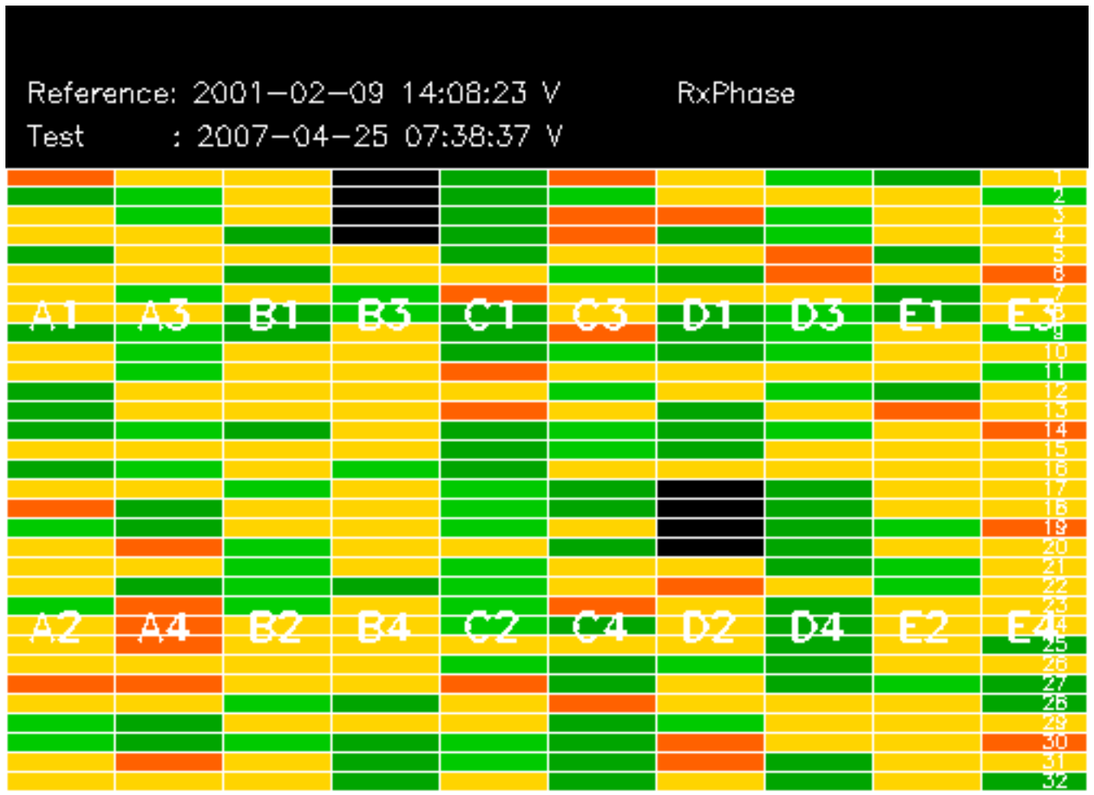
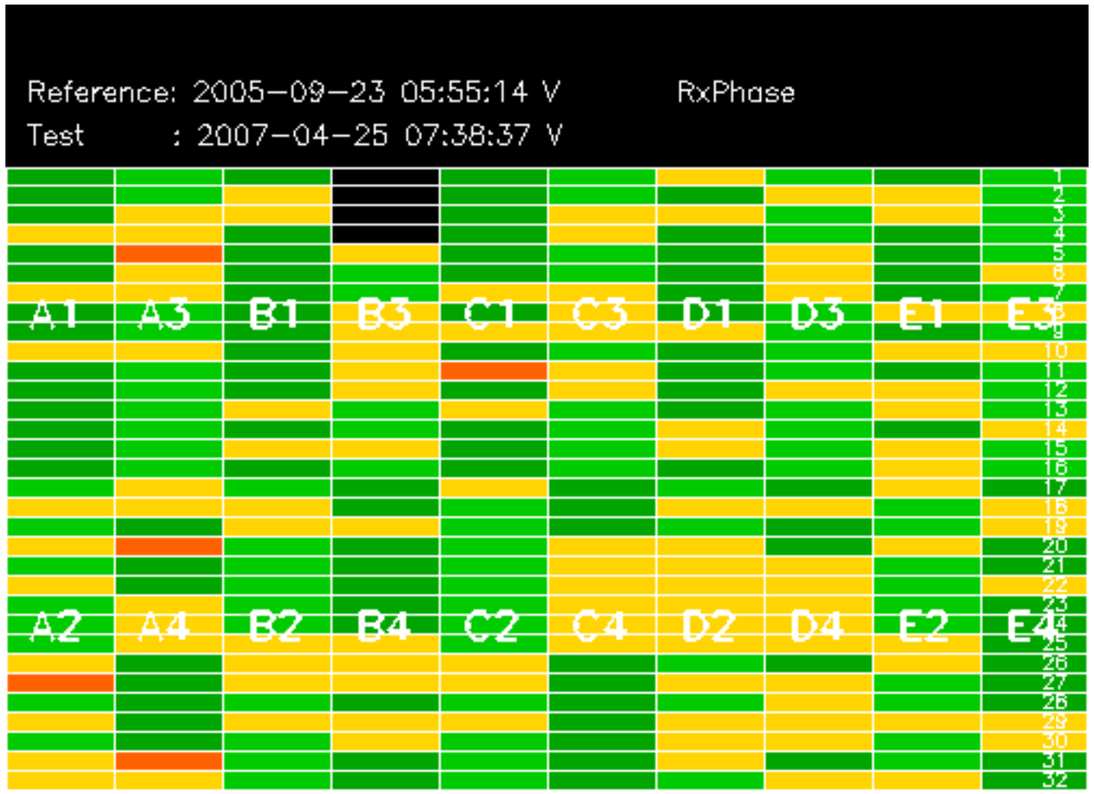
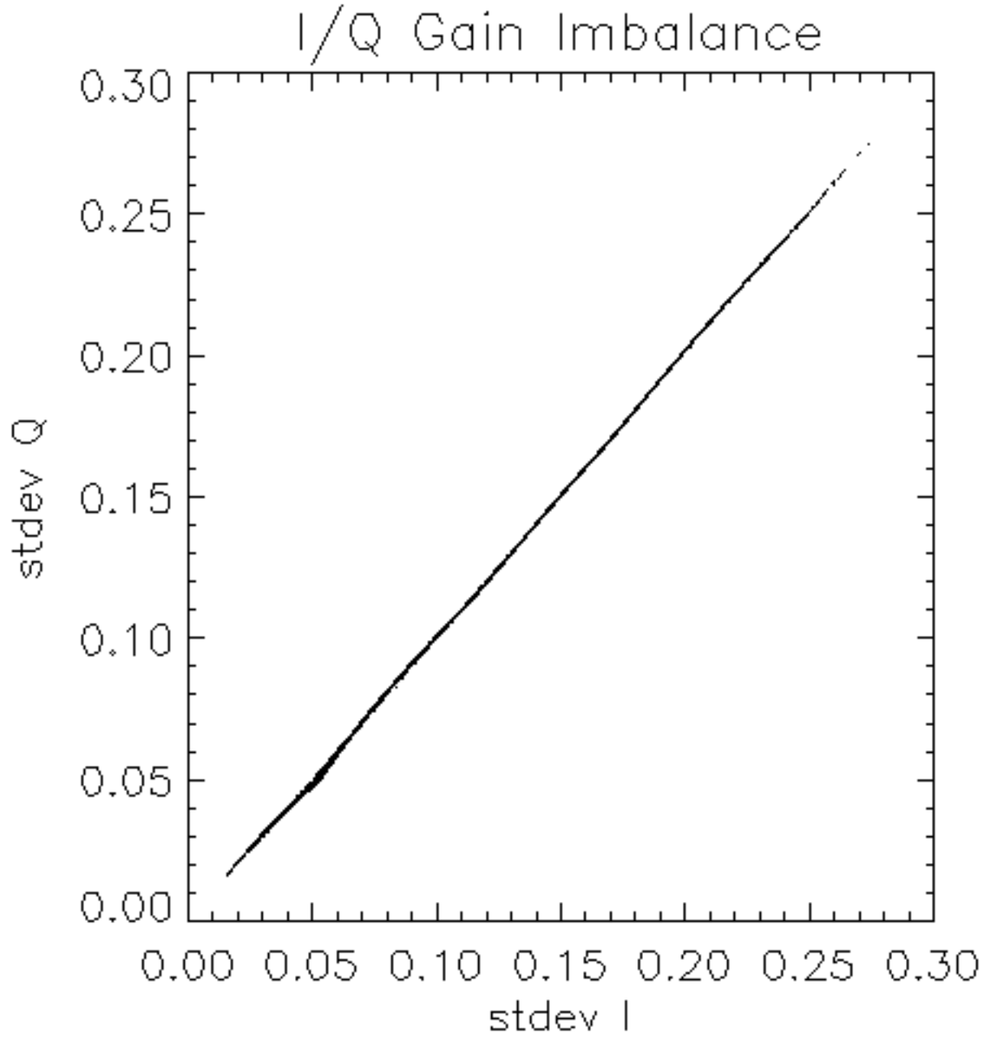
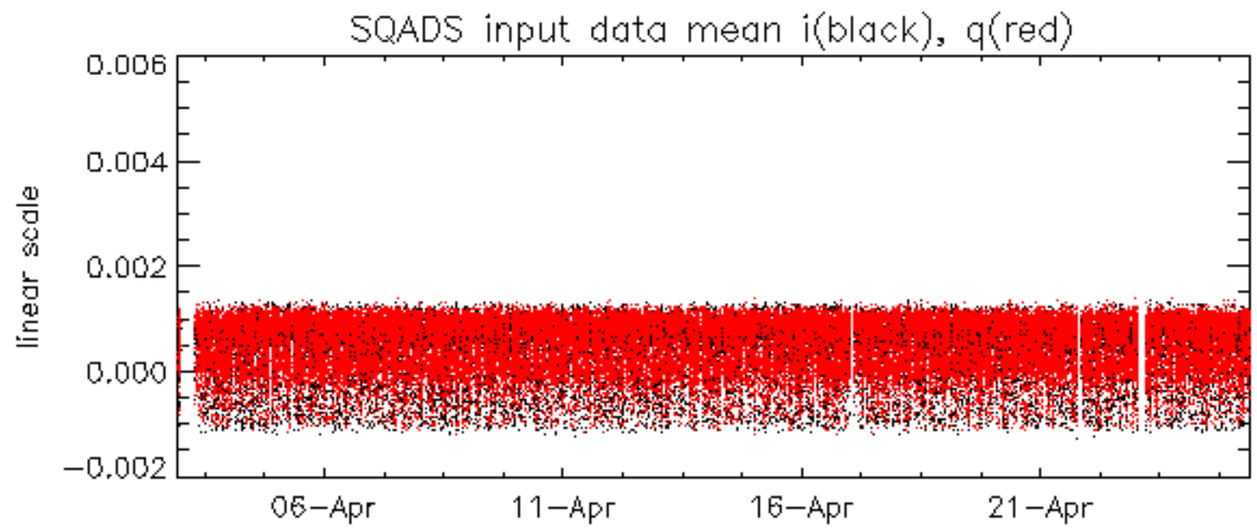
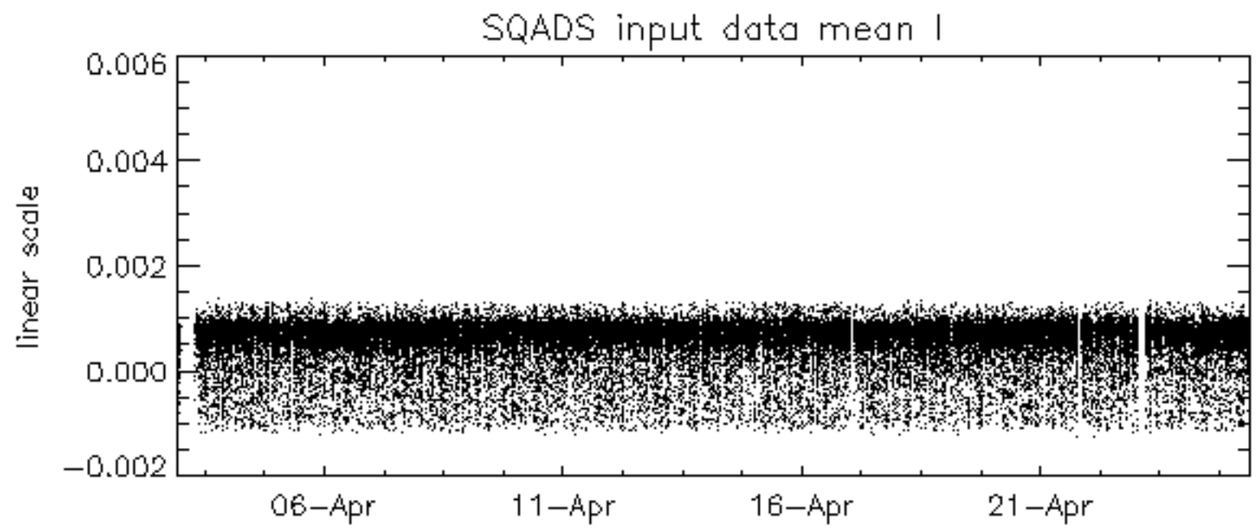
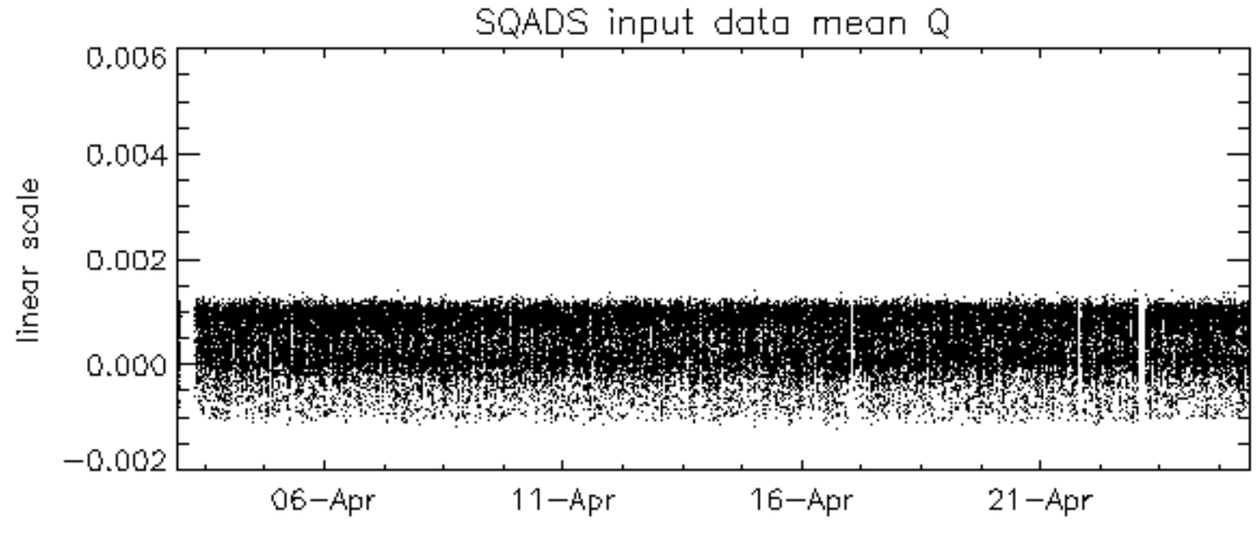

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-04-25 07:38:37 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

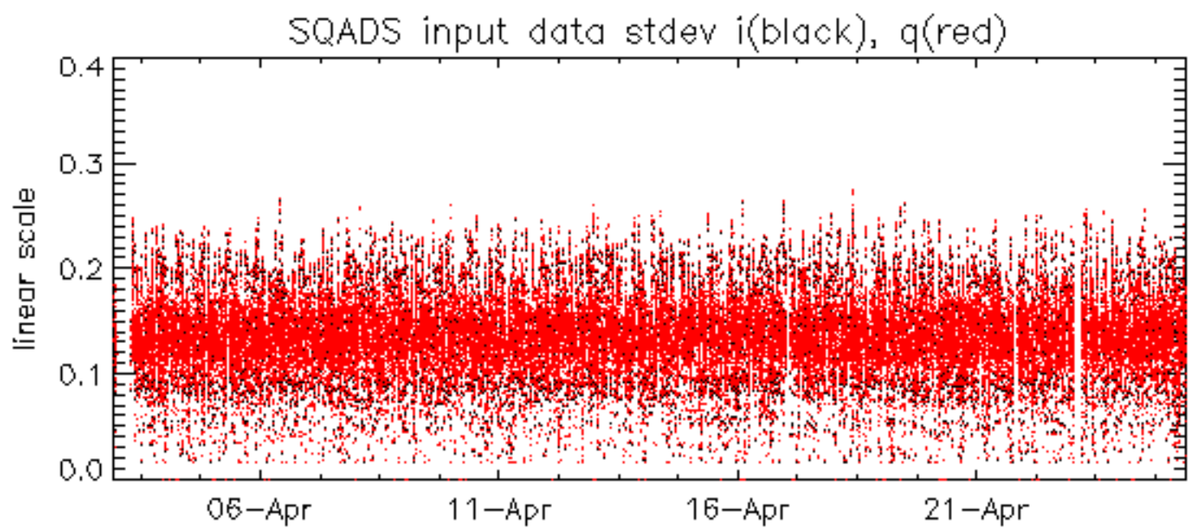

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-25 07:38:37 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

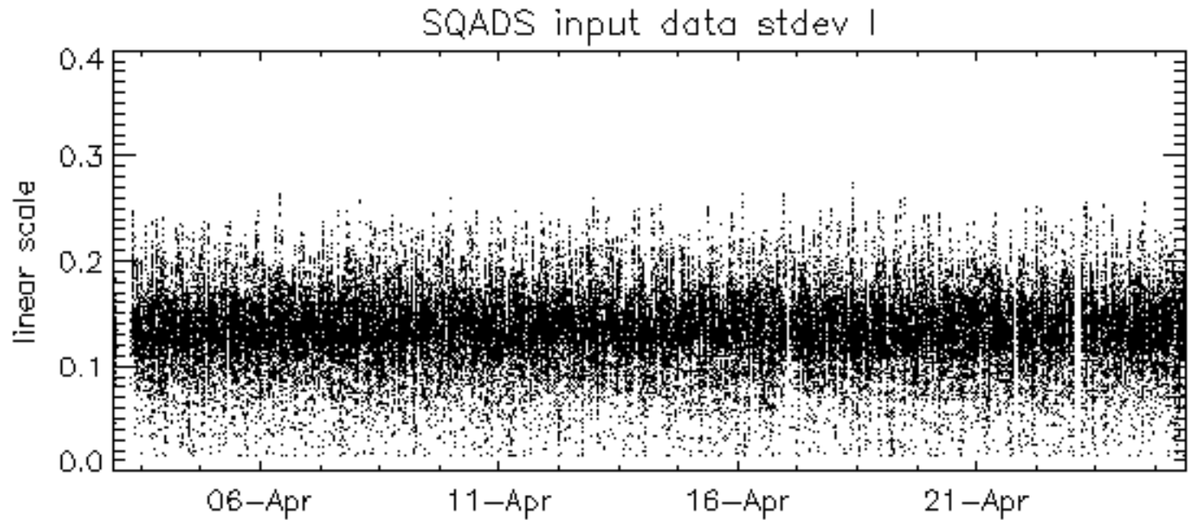

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

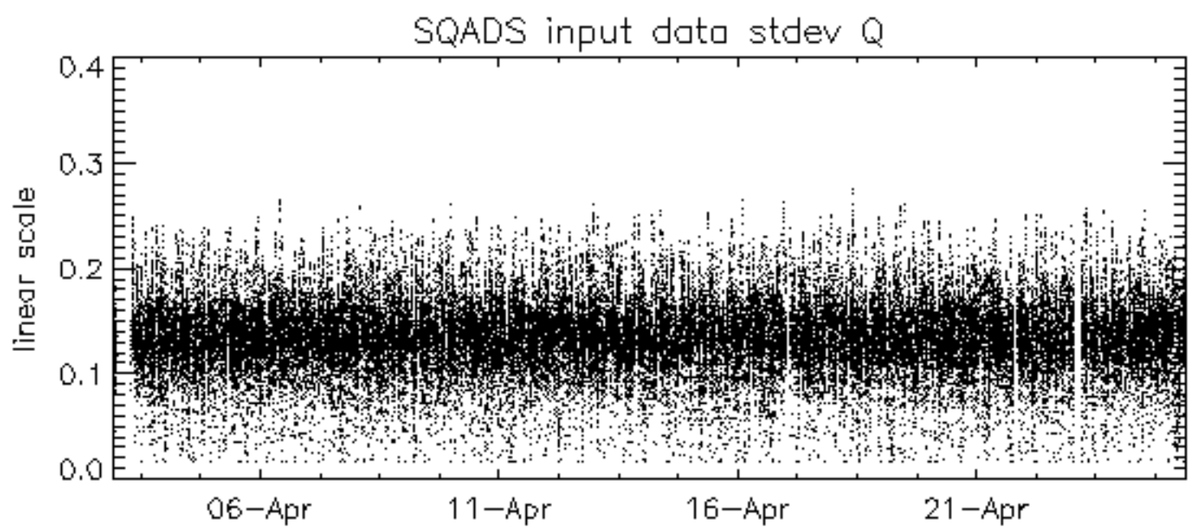

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr

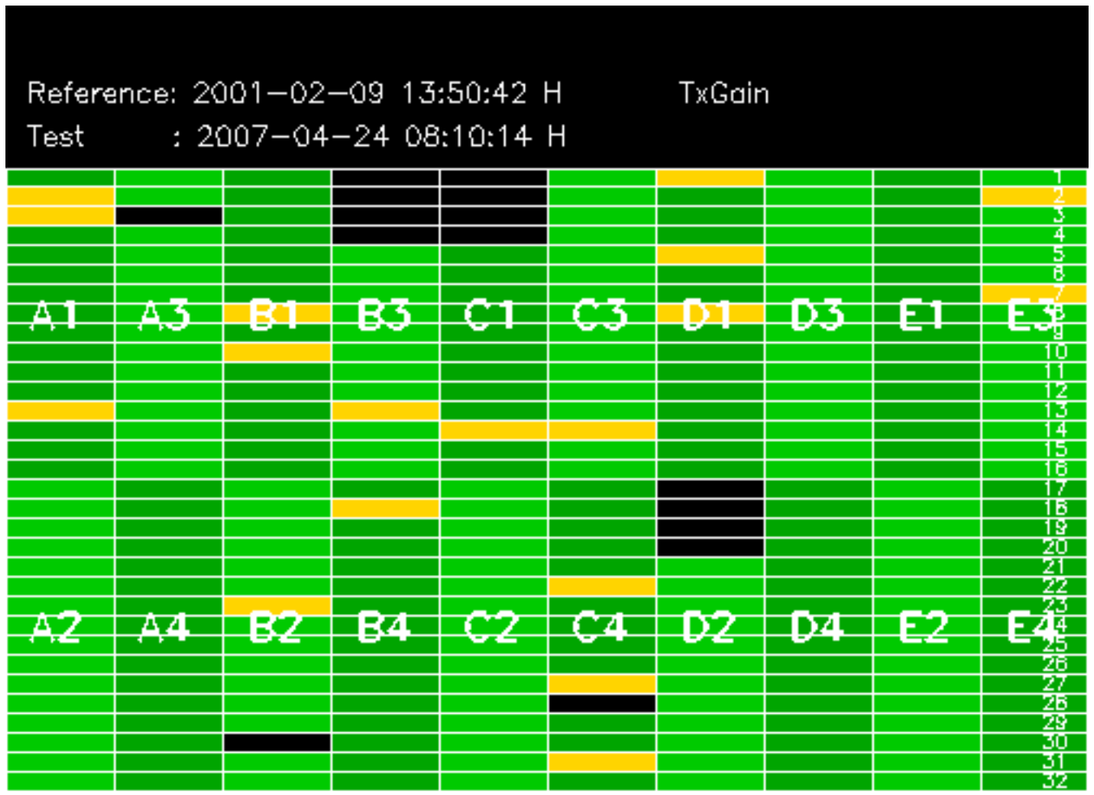

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-24 08:10:14 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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C4
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D4
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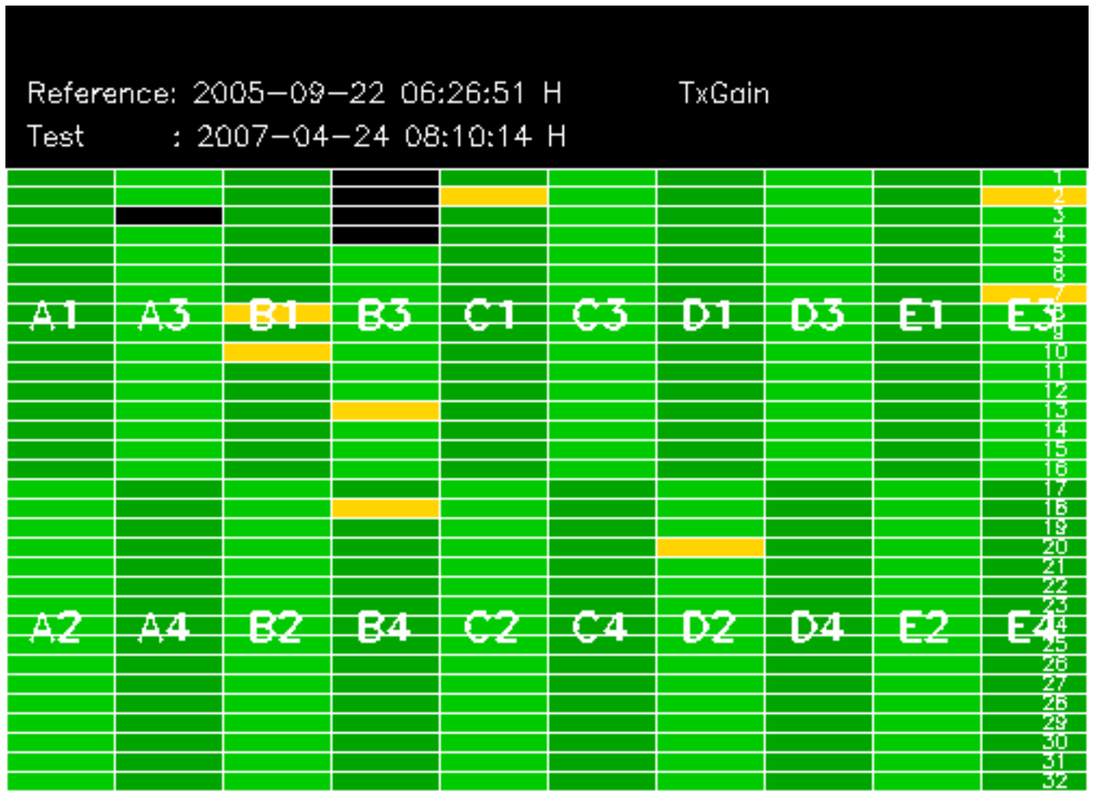
Reference: 2005-09-22 06:26:51 H
Test : 2007-04-24 08:10:14 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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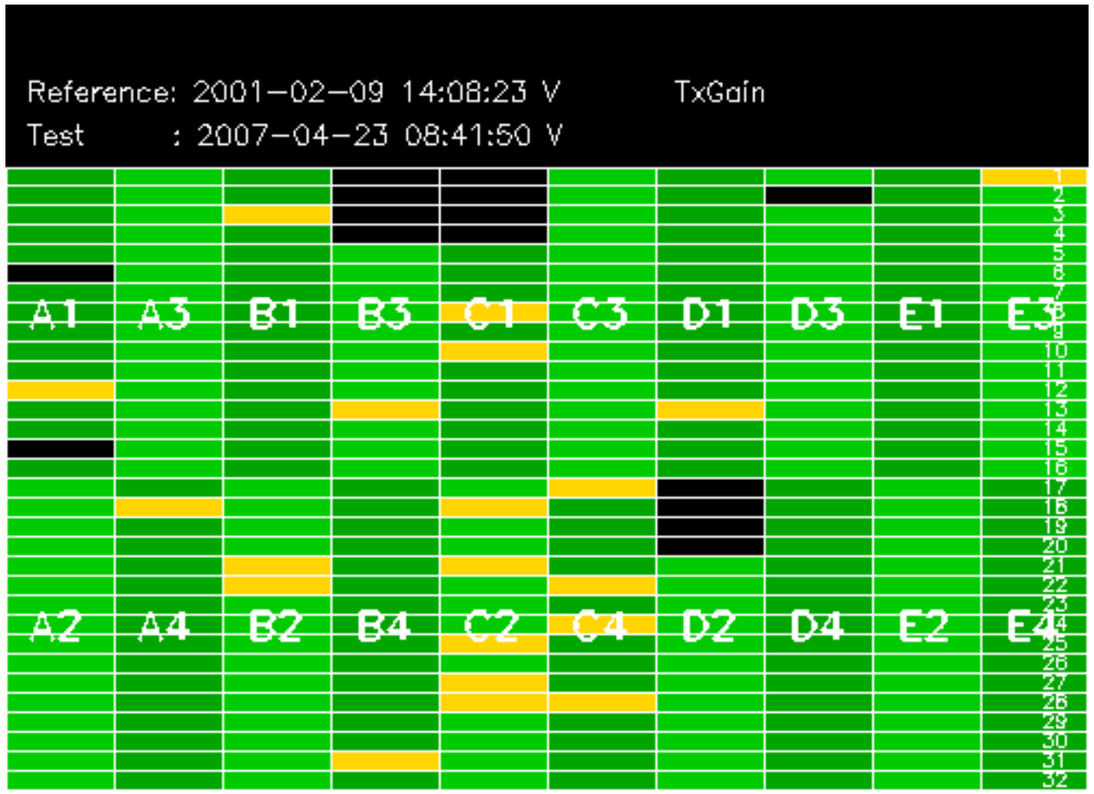
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-23 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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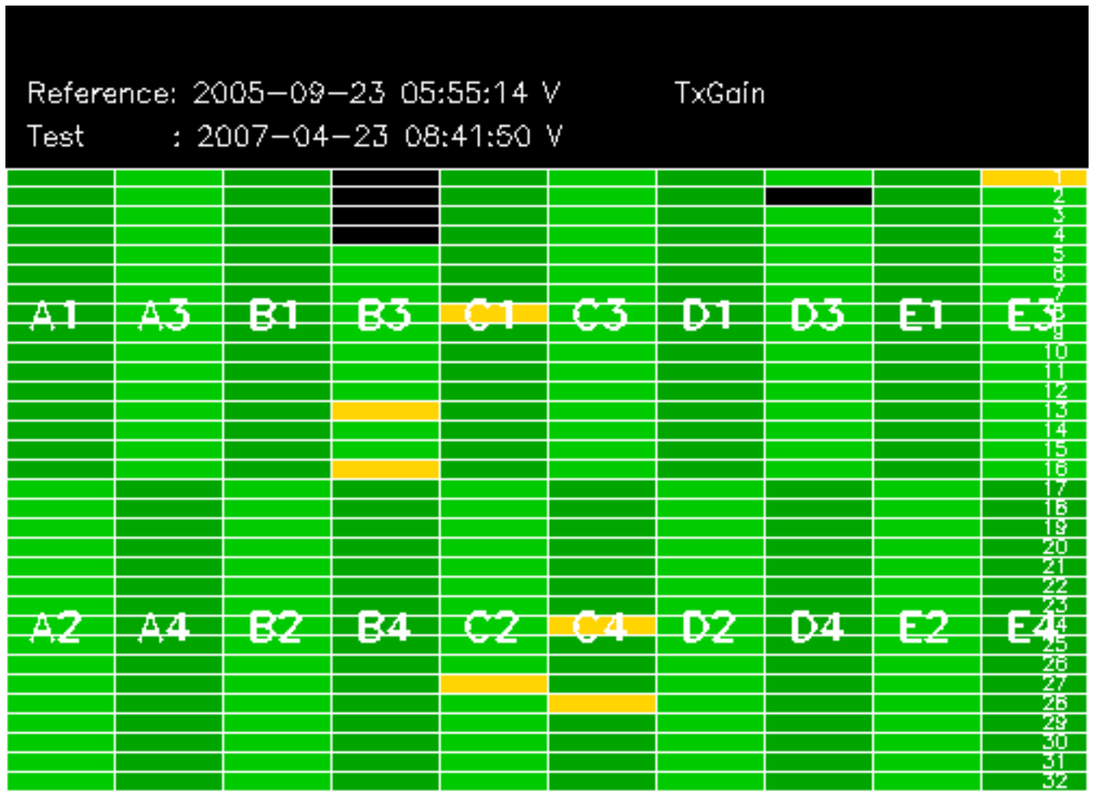
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-23 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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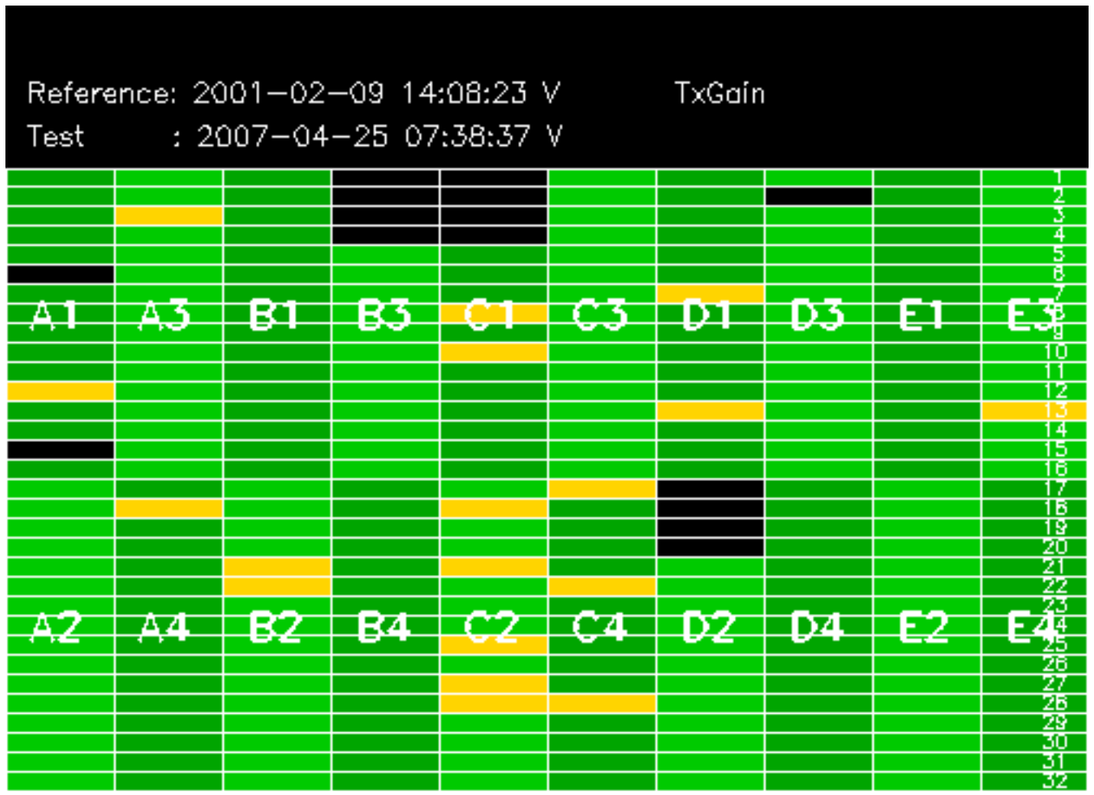
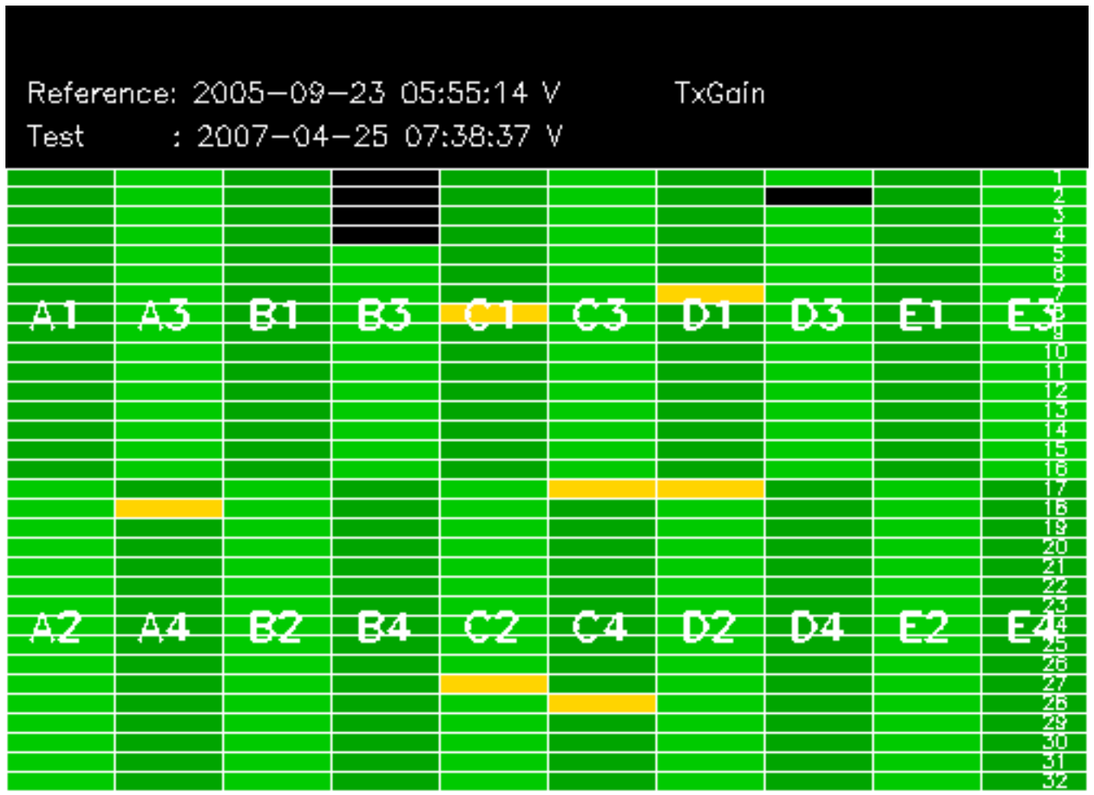

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-25 07:38:37 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-25 07:38:37 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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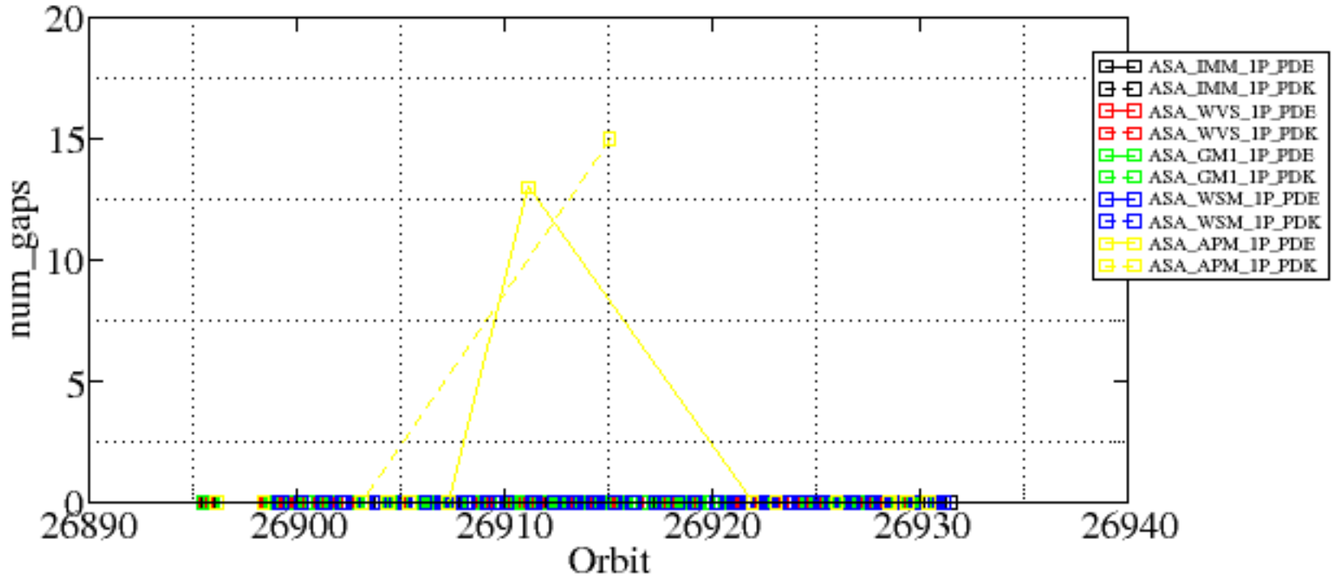
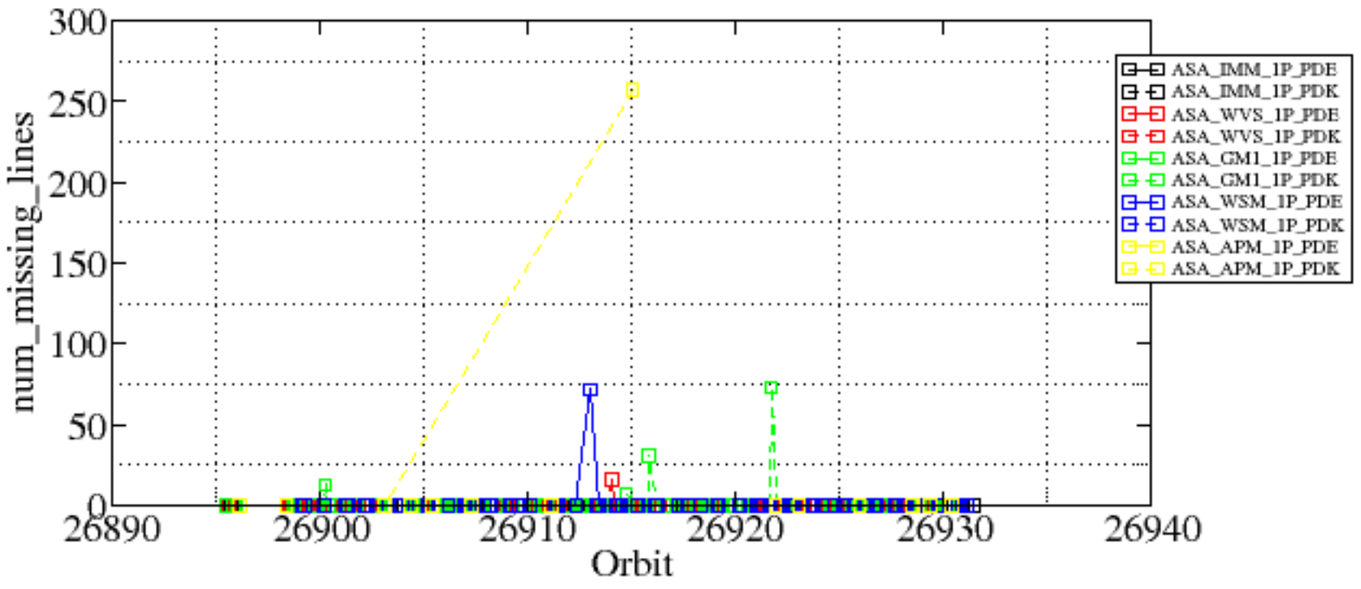
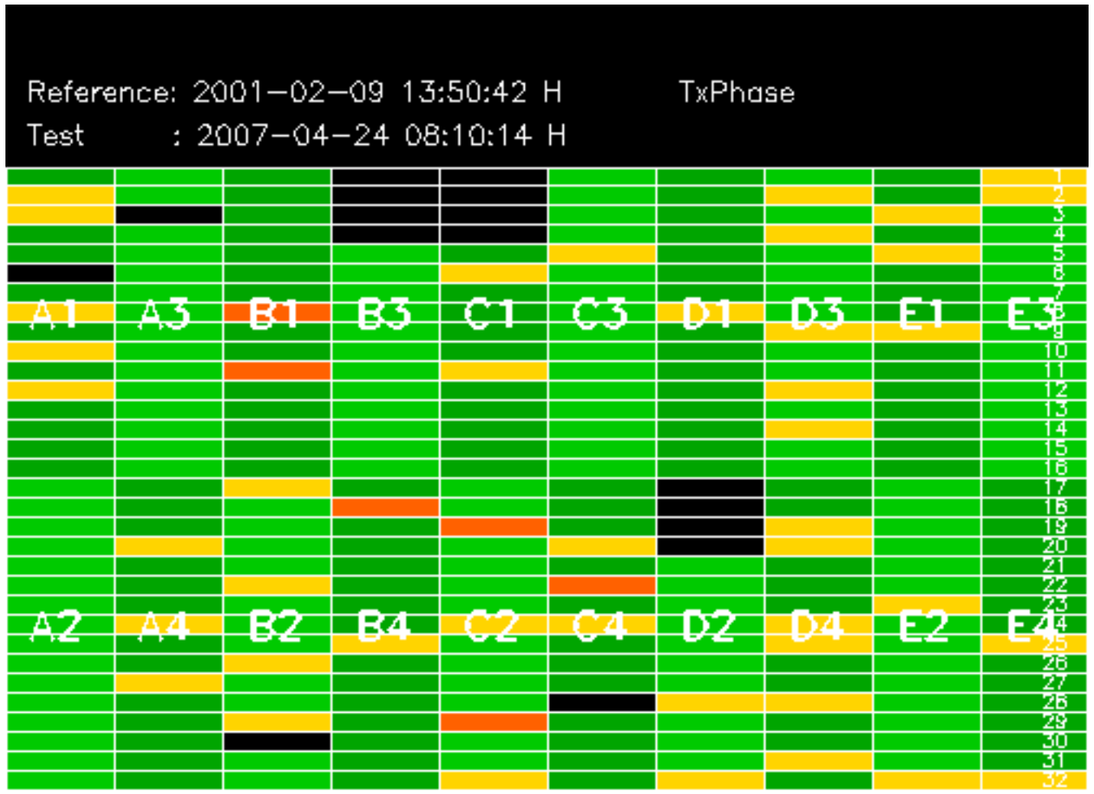
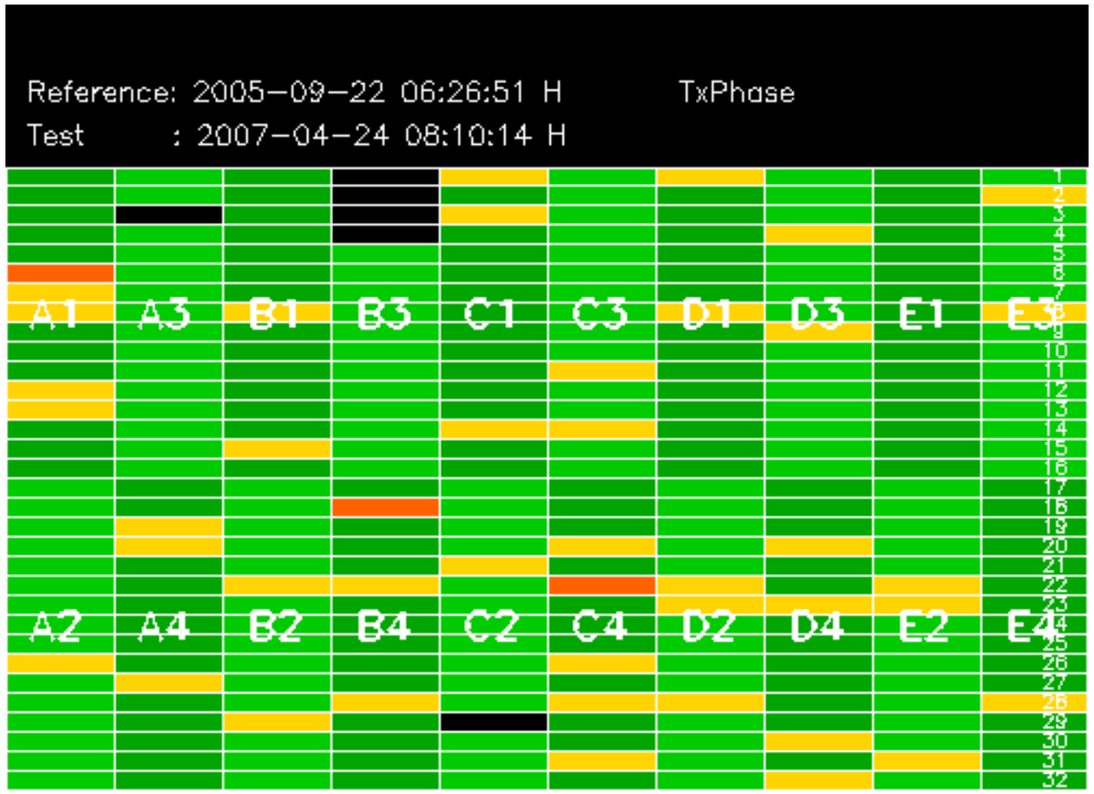
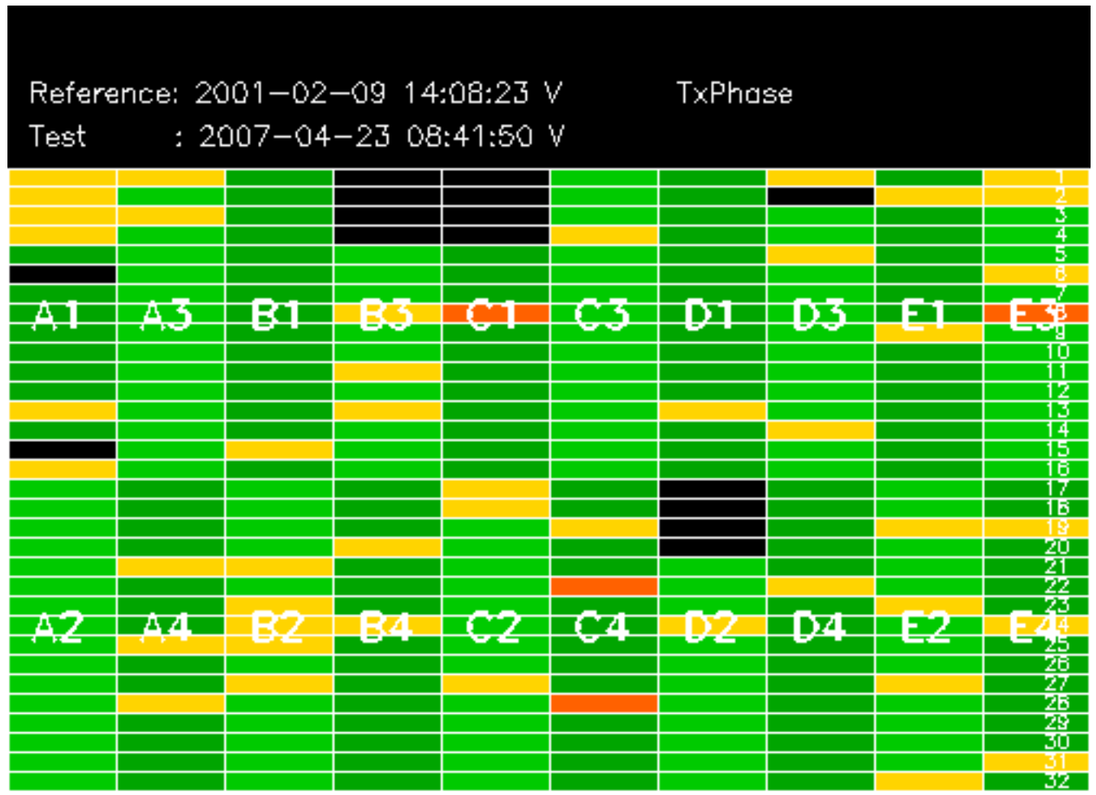
Summary of analysis for the last 3 days 2007042[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WVS_1PNPDK20070424_070914_000005242057_00307_26914_0654.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070423_080100_000001442057_00293_26900_9584.N1 </td> <td>0 </td> <td>13 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070424_081833_000004652057_00307_26914_0773.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070424_100424_000000722057_00308_26915_0914.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070424_200057_000005732057_00314_26921_1741.N1 </td> <td>0 </td> <td>73 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070424_052315_000002022057_00306_26913_4879.N1 </td> <td>0 </td> <td>72 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070424_021349_000000402057_00304_26911_4412.N1 </td> <td>13 </td> <td>0 </td></tr>
<tr> <td>ASA_APM_1PNPDK20070424_084924_000000402057_00308_26915_0777.N1 </td> <td>15 </td> <td>257 </td></tr>
</table>

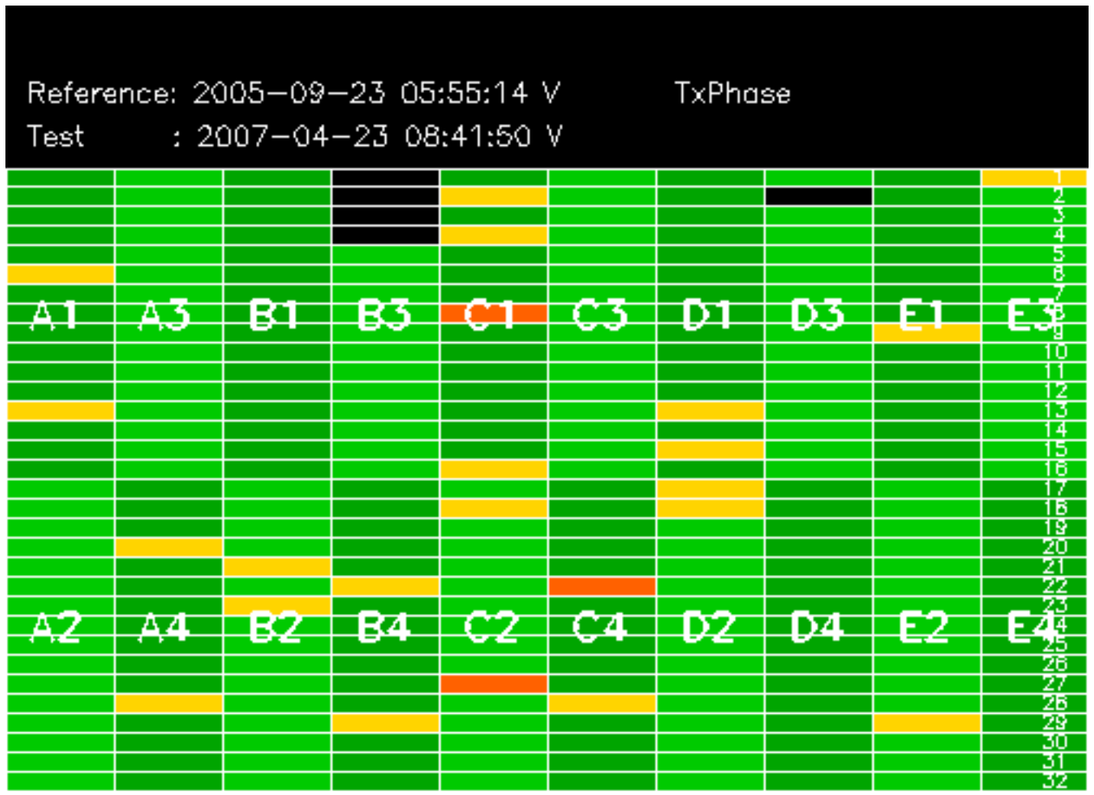

num_gaps
Orbit
20
15
10
5
0
26890
26900
26910
26920
26930
26940
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
300
250
200
150
100
50
0
26890
26900
26910
26920
26930
26940
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
TxPhase
Test : 2007-04-24 08:10:14 H
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 : 2007-04-24 08:10:14 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
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-23 08:41:50 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
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-23 08:41:50 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
13
14
15
16
17
18
19
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21
22
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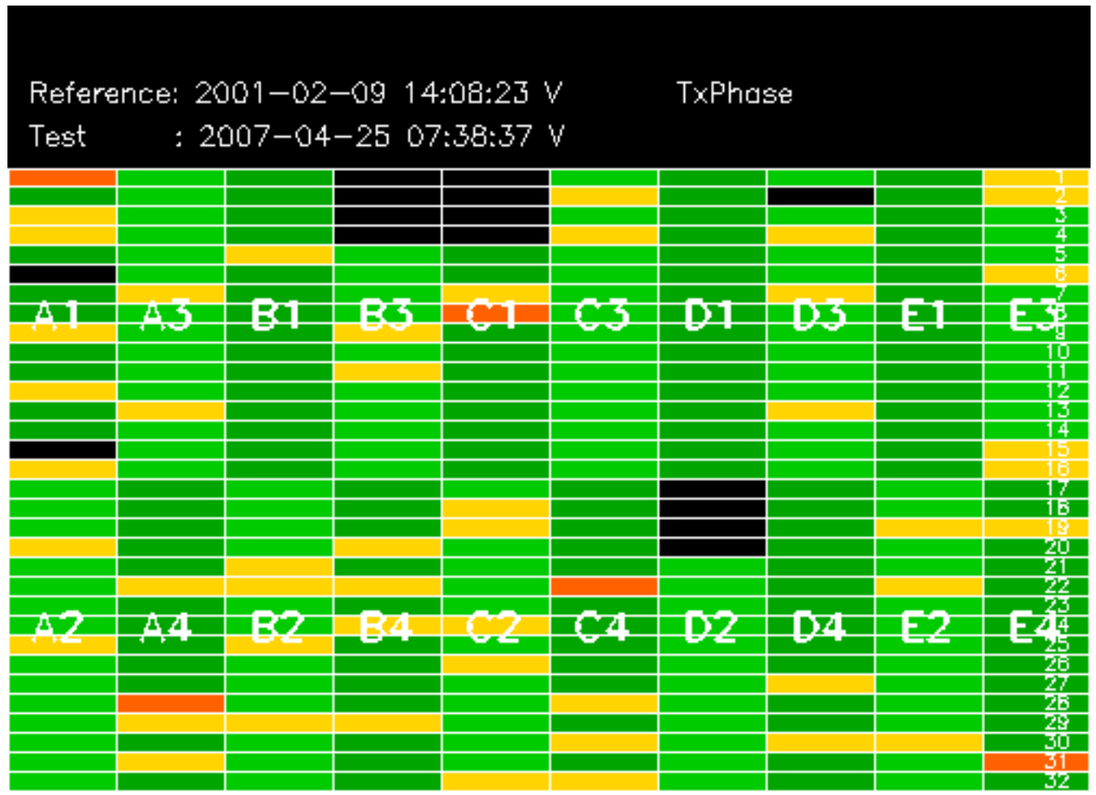
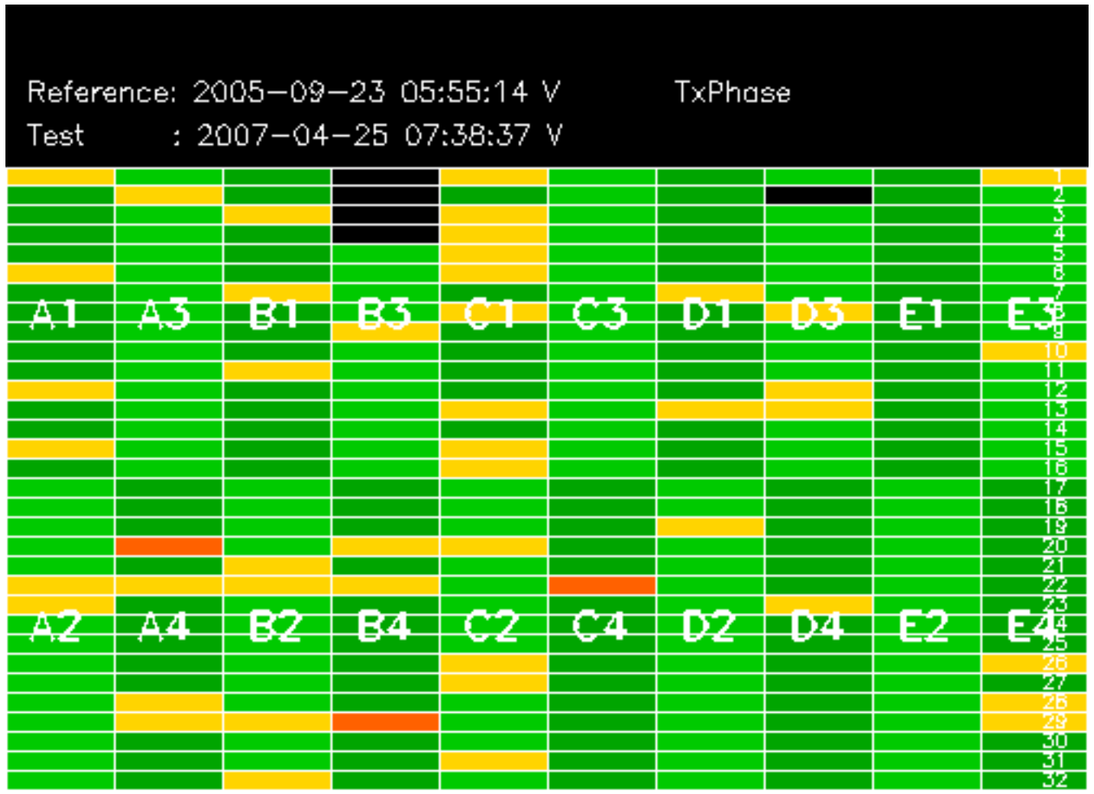
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-25 07:38:37 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
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-25 07:38:37 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
13
14
15
16
17
18
19
20
21
22
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24
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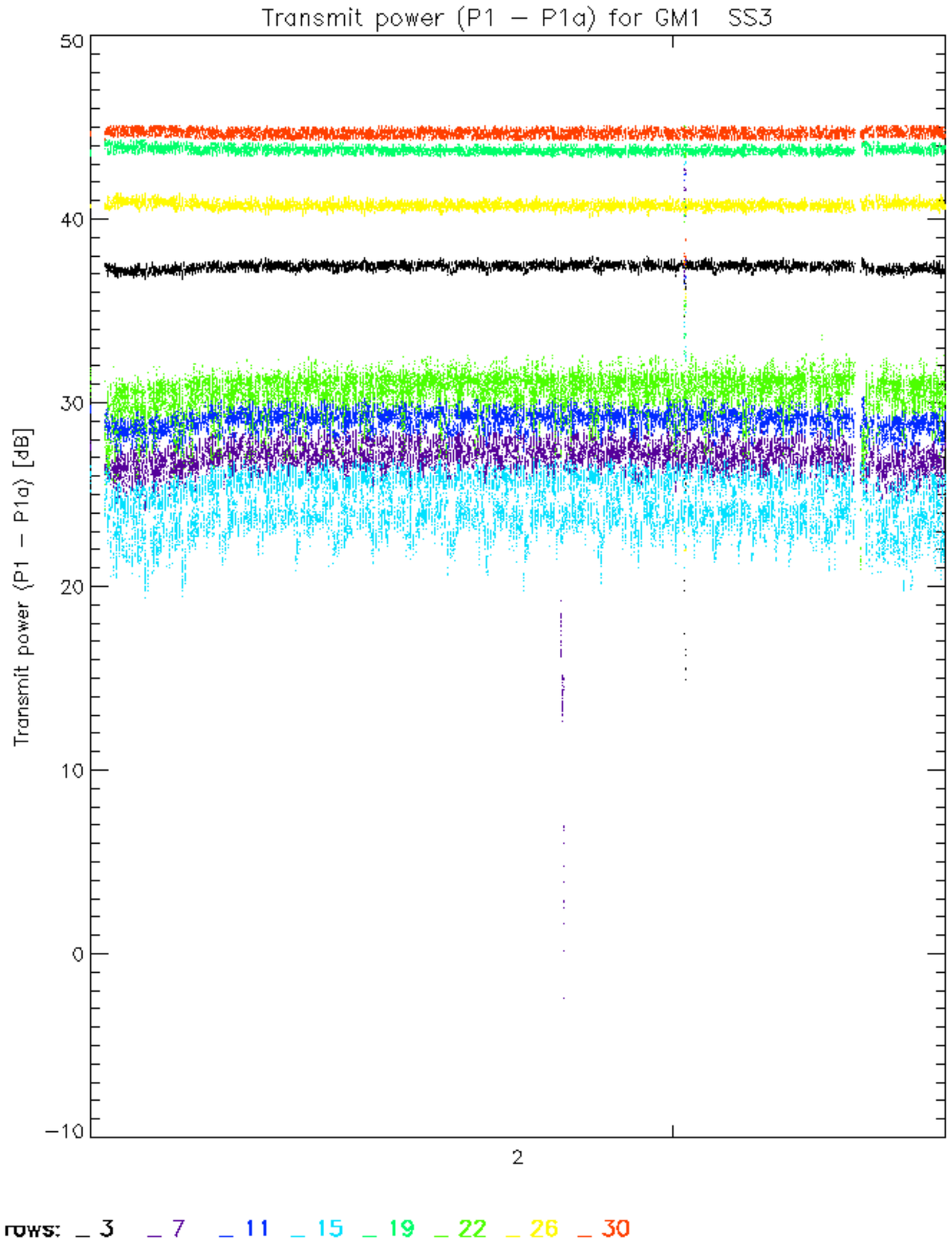
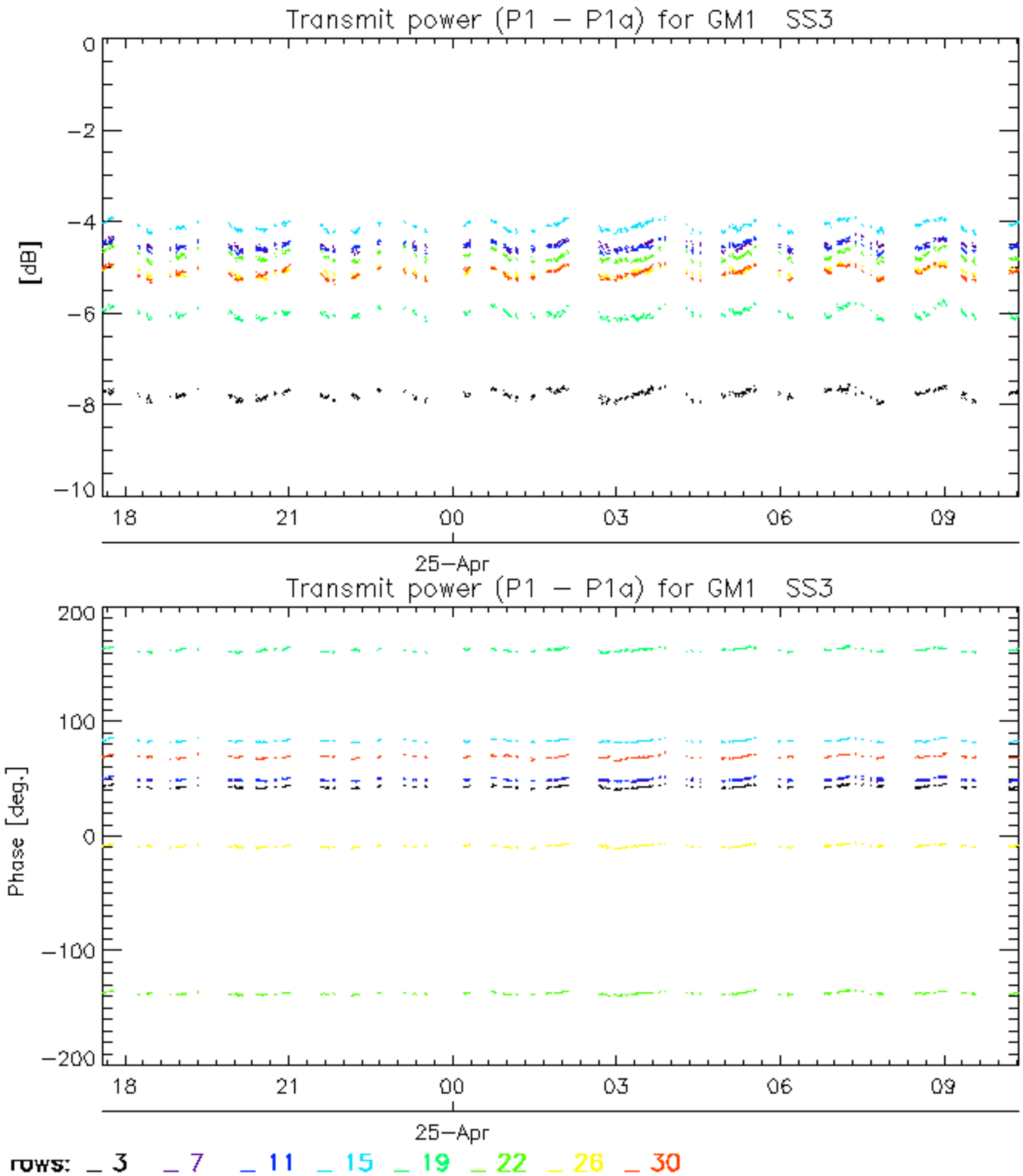
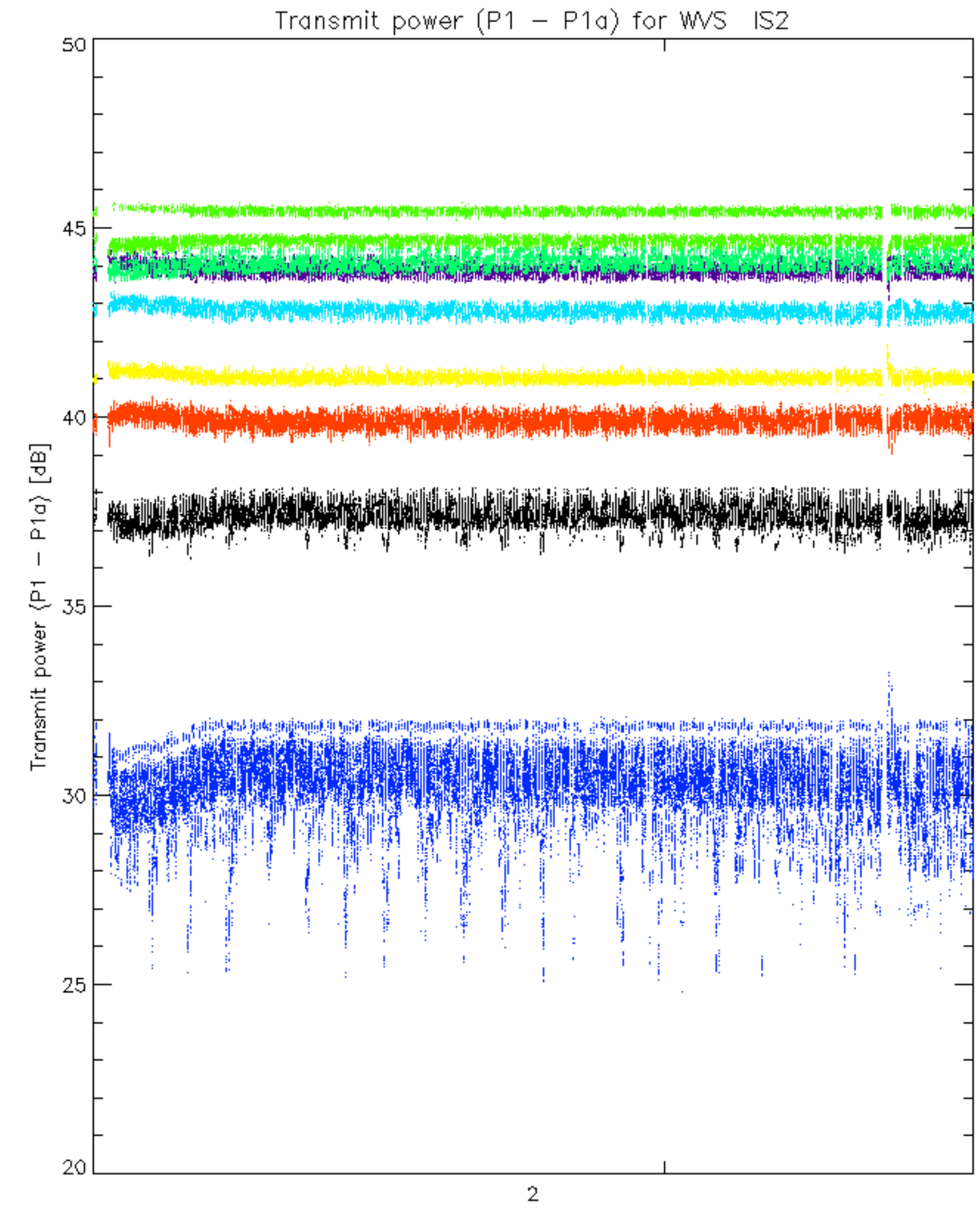
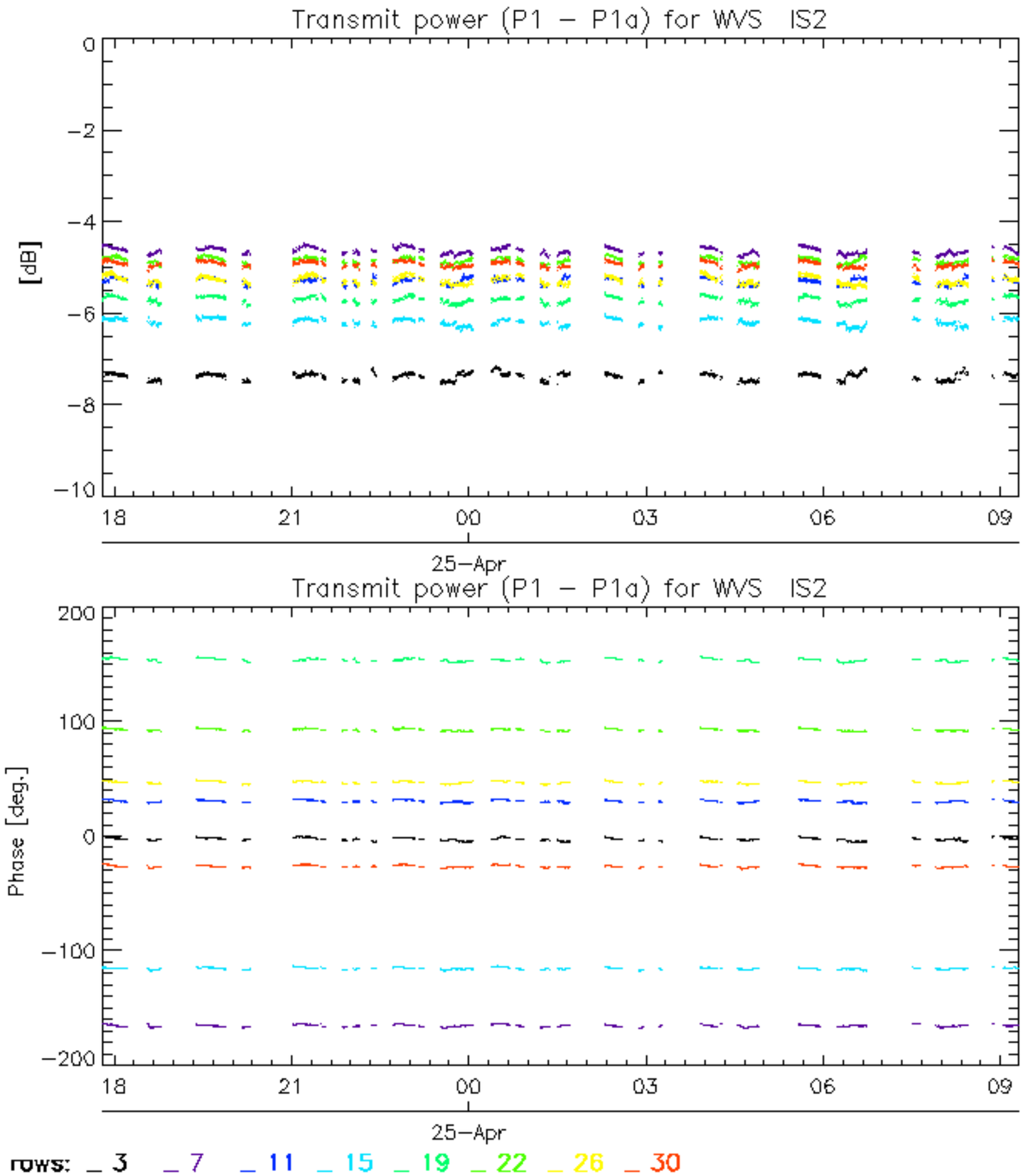
31
32


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
25–Apr
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
25–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
21
00
03
06
09
25–Apr
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
25–Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.