PRELIMINARY REPORT OF 070423

last update on Mon Apr 23 12:01:36 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 2007-04-22 00:00:00 to 2007-04-23 12:01:36

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	29	56	14	1	20
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	29	56	14	1	20
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	29	56	14	1	20
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	29	56	14	1	20

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	40	47	45	4	33
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	40	47	45	4	33
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	40	47	45	4	33
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	47	45	4	33

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	20070423 084150
H	20070423 044826

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	-15.069985	0.148565	-0.108711
7	P1a	-17.546484	0.111968	-0.079656
11	P1a	-17.440872	0.338117	-0.819552
15	P1a	-12.970801	0.113475	-0.354500
19	P1a	-15.312704	0.068548	-0.395905
22	P1a	-15.882854	0.422946	-0.452898
26	P1a	-15.050006	0.207124	0.585392
30	P1a	-17.648624	0.314695	-0.679890

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.762611	0.010974	-0.023219
7	P1	-3.146546	0.009015	-0.010315
11	P1	-4.207752	0.012445	-0.014012
15	P1	-6.397527	0.019120	-0.137836
19	P1	-3.787247	0.010360	0.053932
22	P1	-4.746023	0.009333	-0.036557
26	P1	-3.923906	0.019290	0.111856
30	P1	-5.967869	0.009569	0.042477

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.660778	0.090641	-0.027155
7	P2	-21.570503	0.086983	0.114751
11	P2	-15.372066	0.114908	0.220503
15	P2	-7.123818	0.088220	-0.006709
19	P2	-9.116414	0.079516	0.055668
22	P2	-18.085455	0.077273	0.041177
26	P2	-16.610502	0.080655	-0.028988
30	P2	-19.282290	0.082358	0.044050

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.244430	0.005519	-0.003513
7	P3	-8.244430	0.005519	-0.003513
11	P3	-8.244430	0.005519	-0.003513
15	P3	-8.244430	0.005519	-0.003513
19	P3	-8.244430	0.005519	-0.003513
22	P3	-8.244430	0.005519	-0.003513
26	P3	-8.244430	0.005519	-0.003513
30	P3	-8.244430	0.005519	-0.003513

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	-11.195042	0.158463	-0.132849
7	P1a	-10.073129	0.249626	-0.095115
11	P1a	-10.691391	0.118056	0.056712
15	P1a	-10.852299	0.178678	0.027998
19	P1a	-15.789895	0.095624	-0.022423
22	P1a	-21.373245	1.443852	-0.845866
26	P1a	-15.493096	0.388852	-0.411696
30	P1a	-18.307098	0.473403	0.526824

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453426	0.063053	-0.018311
7	P1	-2.417612	0.143068	0.006428
11	P1	-2.894647	0.029770	0.063998
15	P1	-3.823491	0.040353	0.047035
19	P1	-3.584012	0.015019	-0.002191
22	P1	-4.976162	0.023746	0.116243
26	P1	-6.032061	0.030907	-0.028258
30	P1	-5.334808	0.035611	-0.006169

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.170137	0.067336	-0.067455
7	P2	-22.036005	0.242224	-0.027579
11	P2	-10.631621	0.048459	-0.014120
15	P2	-4.917630	0.041280	-0.115924
19	P2	-6.868356	0.040585	-0.044113
22	P2	-8.113812	0.111095	-0.020816
26	P2	-24.319126	0.178558	-0.020735
30	P2	-21.714733	0.121278	0.073886

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091619	0.005003	-0.013255
7	P3	-8.091661	0.005017	-0.012897
11	P3	-8.091476	0.005009	-0.013782
15	P3	-8.091377	0.005014	-0.013683
19	P3	-8.091537	0.005036	-0.012987
22	P3	-8.091473	0.004995	-0.012578
26	P3	-8.091532	0.005013	-0.012758
30	P3	-8.091447	0.005007	-0.013140

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	0.000541194
	stdev	2.03800e-07
MEAN Q	mean	0.000489734
	stdev	2.45047e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135370
	stdev	0.00123951
STDEV Q	mean	0.135763
	stdev	0.00125720

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007042[123]
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_GM1_1PNPDK20070422_132003_000001872057_00282_26889_8760.N1	0	30
ASA_GM1_1PNPDK20070422_145255_000003082057_00283_26890_8885.N1	0	7
ASA_GM1_1PNPDK20070423_080100_000001442057_00293_26900_9584.N1	0	13
ASA_WSM_1PNPDE20070421_010149_000001412057_00260_26867_0194.N1	0	31
ASA_WSM_1PNPDE20070421_051735_000002012057_00263_26870_0558.N1	0	45
ASA_WSM_1PNPDE20070421_170154_000001522057_00270_26877_0873.N1	0	5
ASA_WSM_1PNPDE20070421_184505_000000852057_00271_26878_0922.N1	0	56
ASA_WSM_1PNPDE20070422_145121_000000852057_00283_26890_2353.N1	0	32
ASA_WSM_1PNPDE20070422_171455_000001832057_00284_26891_2412.N1	0	44

ASA_WSM_1PNPDE20070422_181428_000001772057_00285_26892_2406.N1	0	57

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
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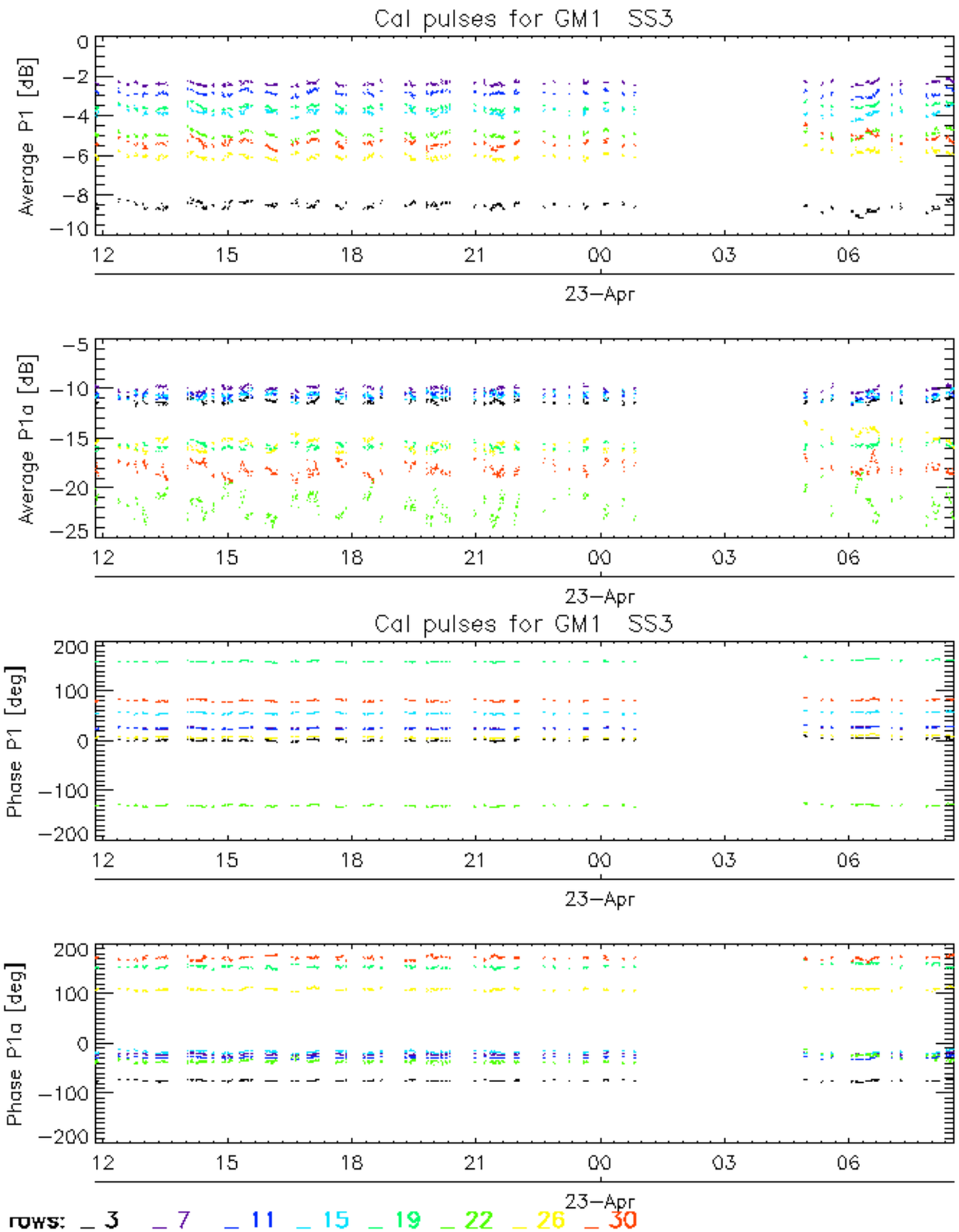
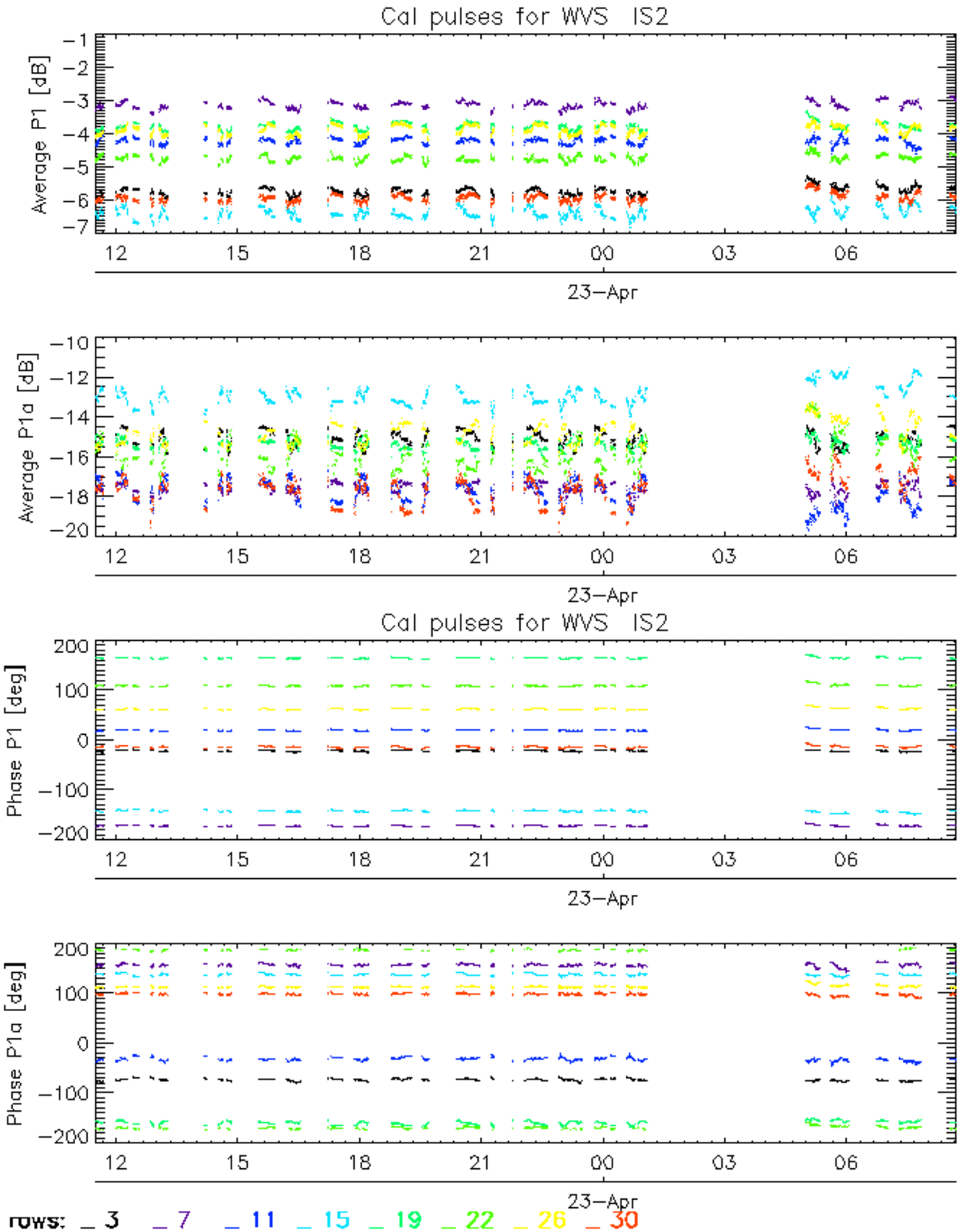
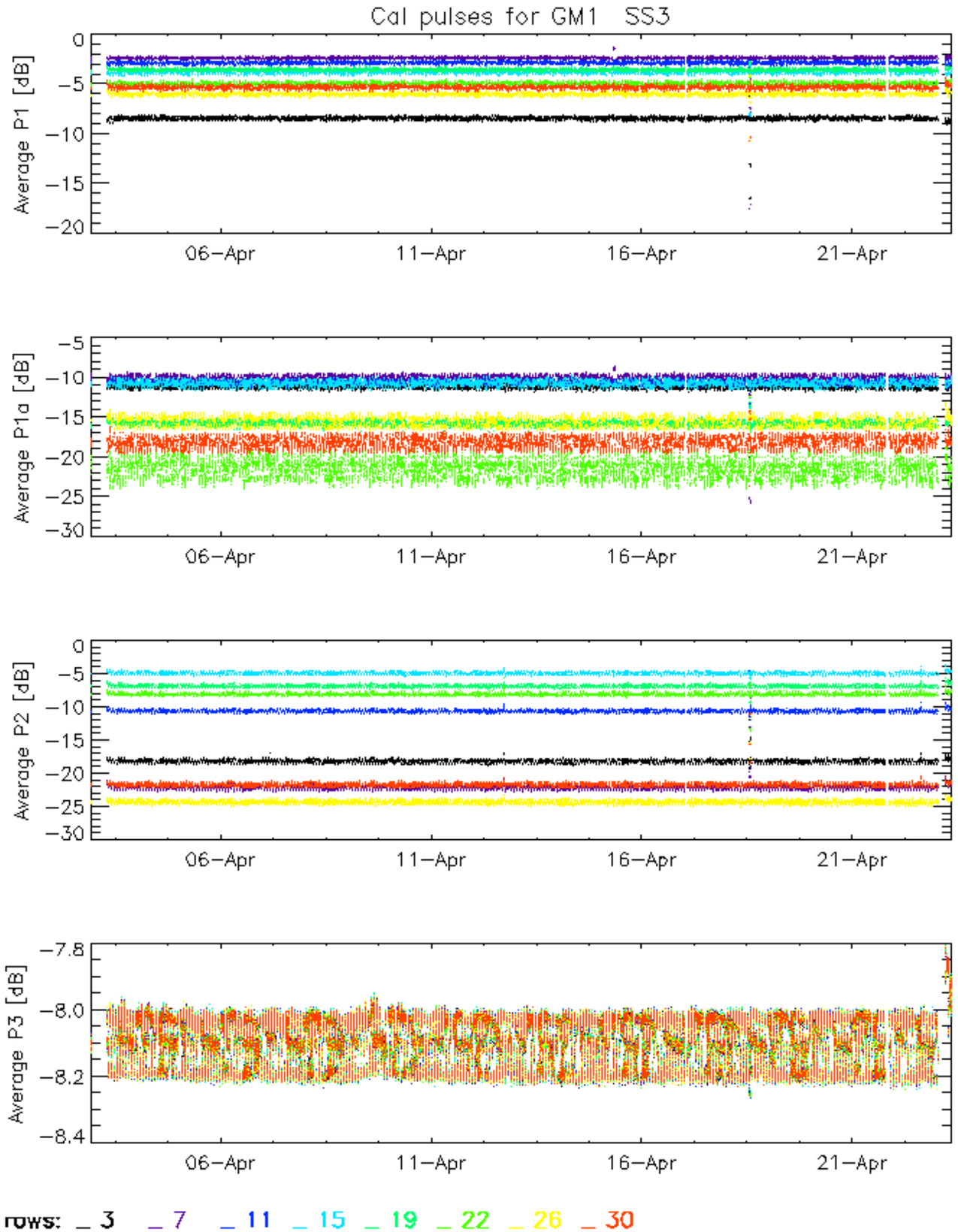
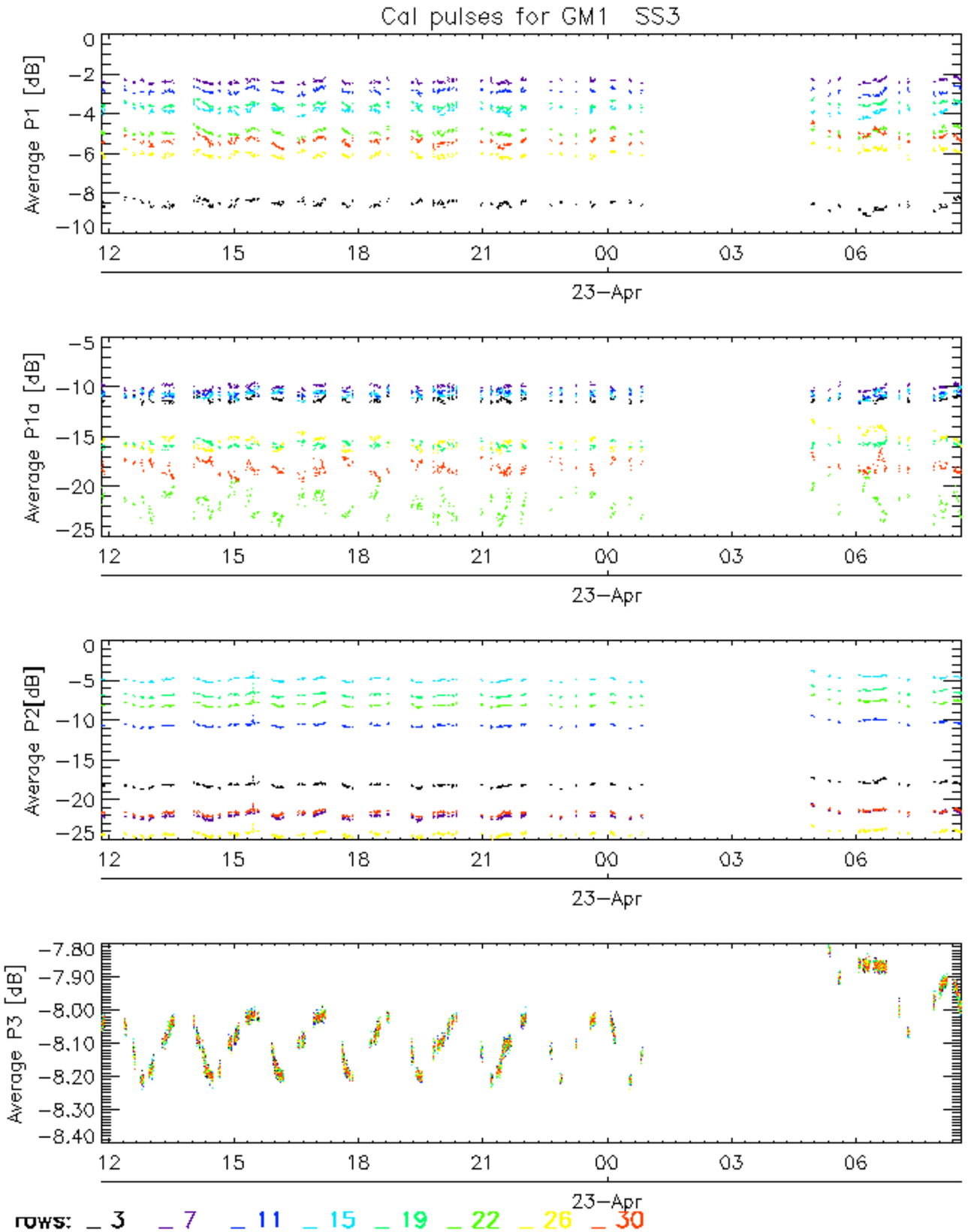
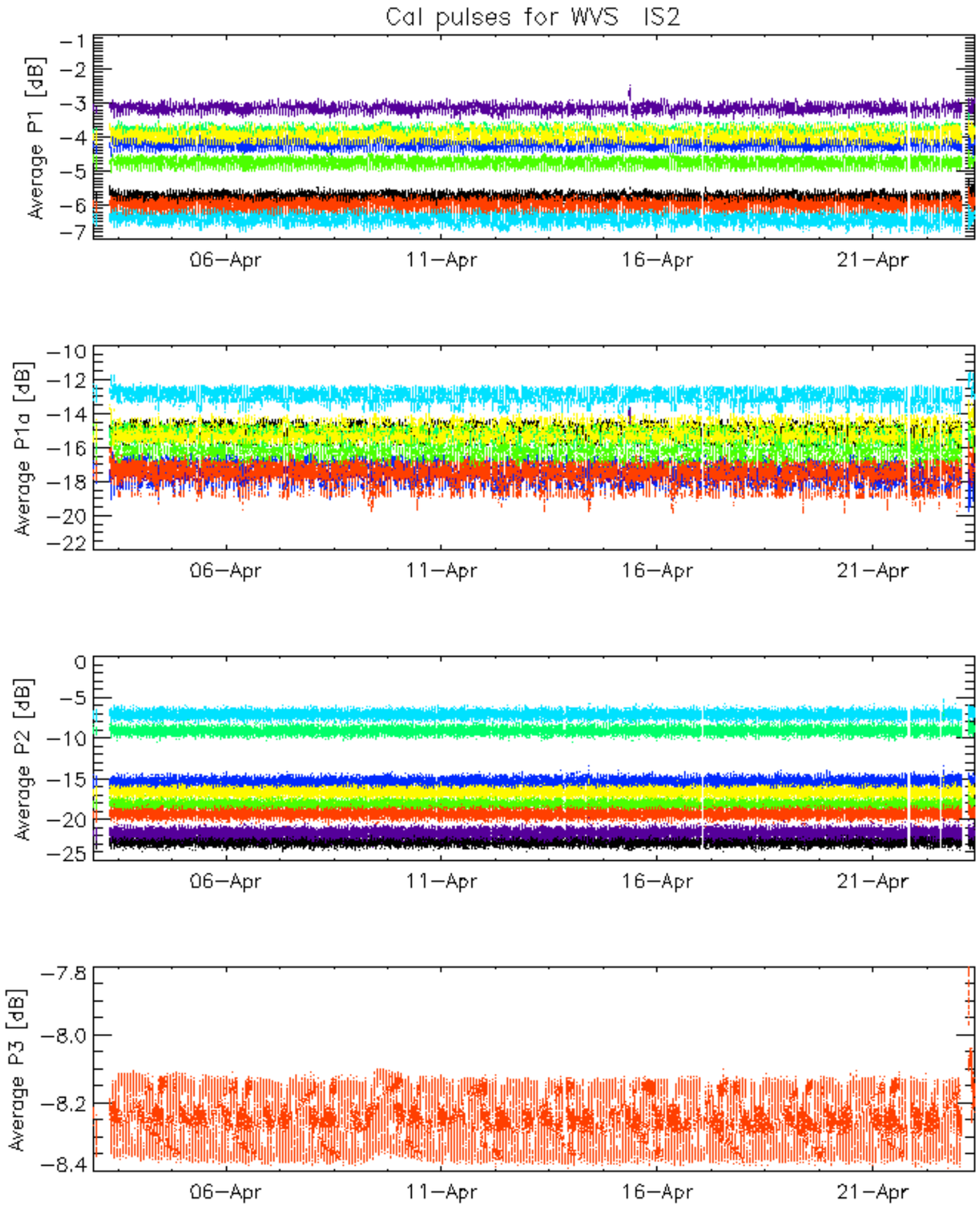
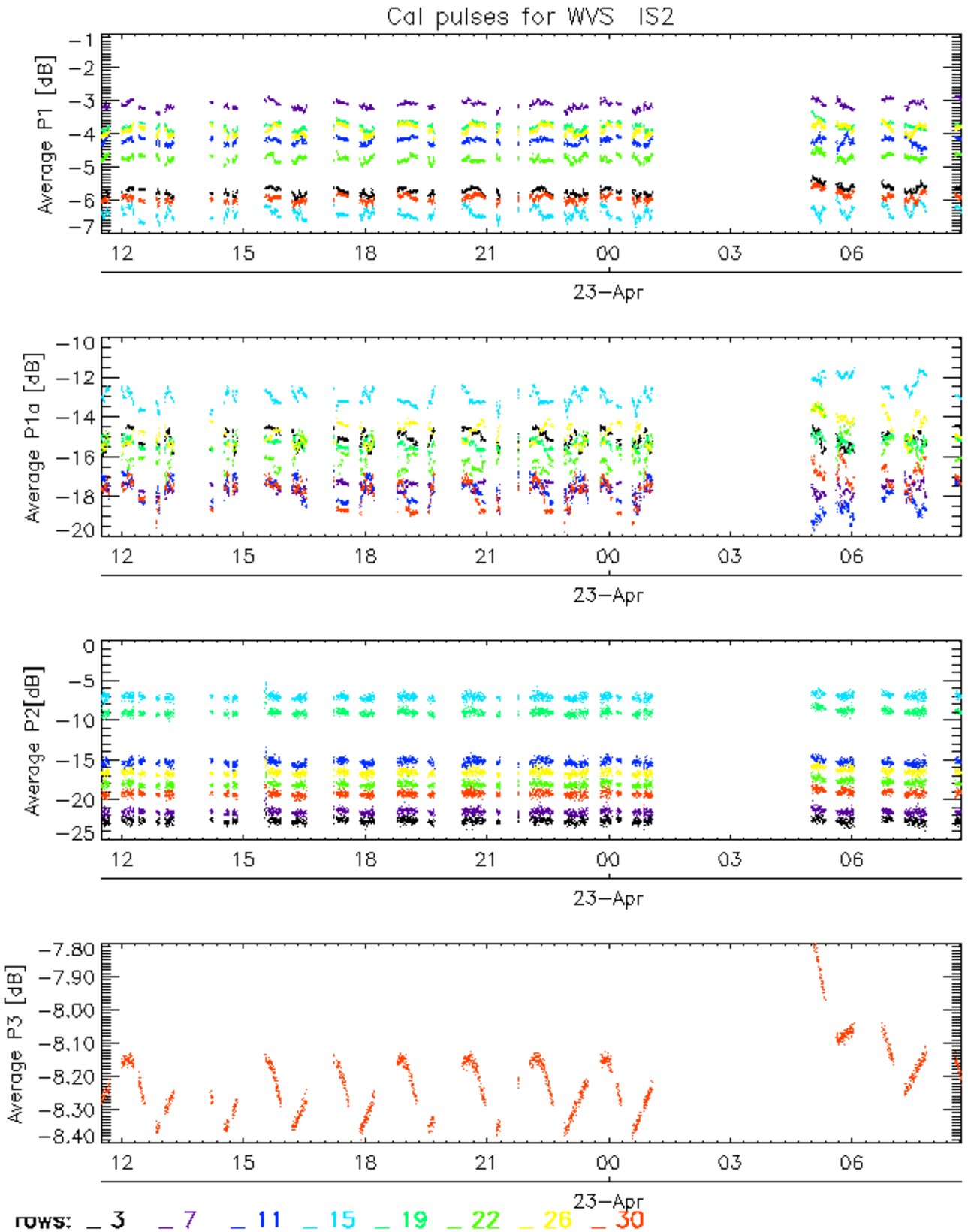

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
12
15
18
21
00
03
06
23−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

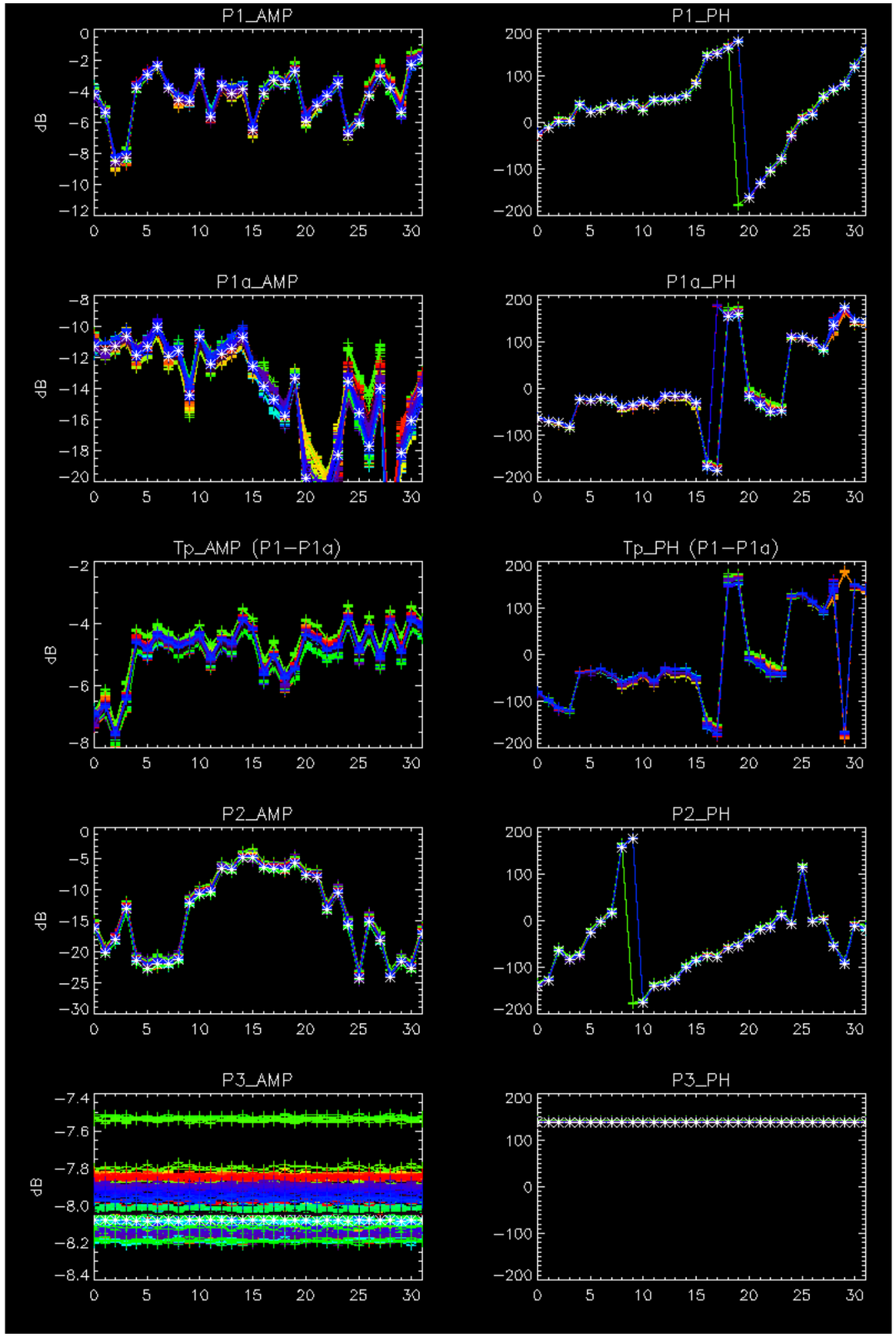

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
21−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

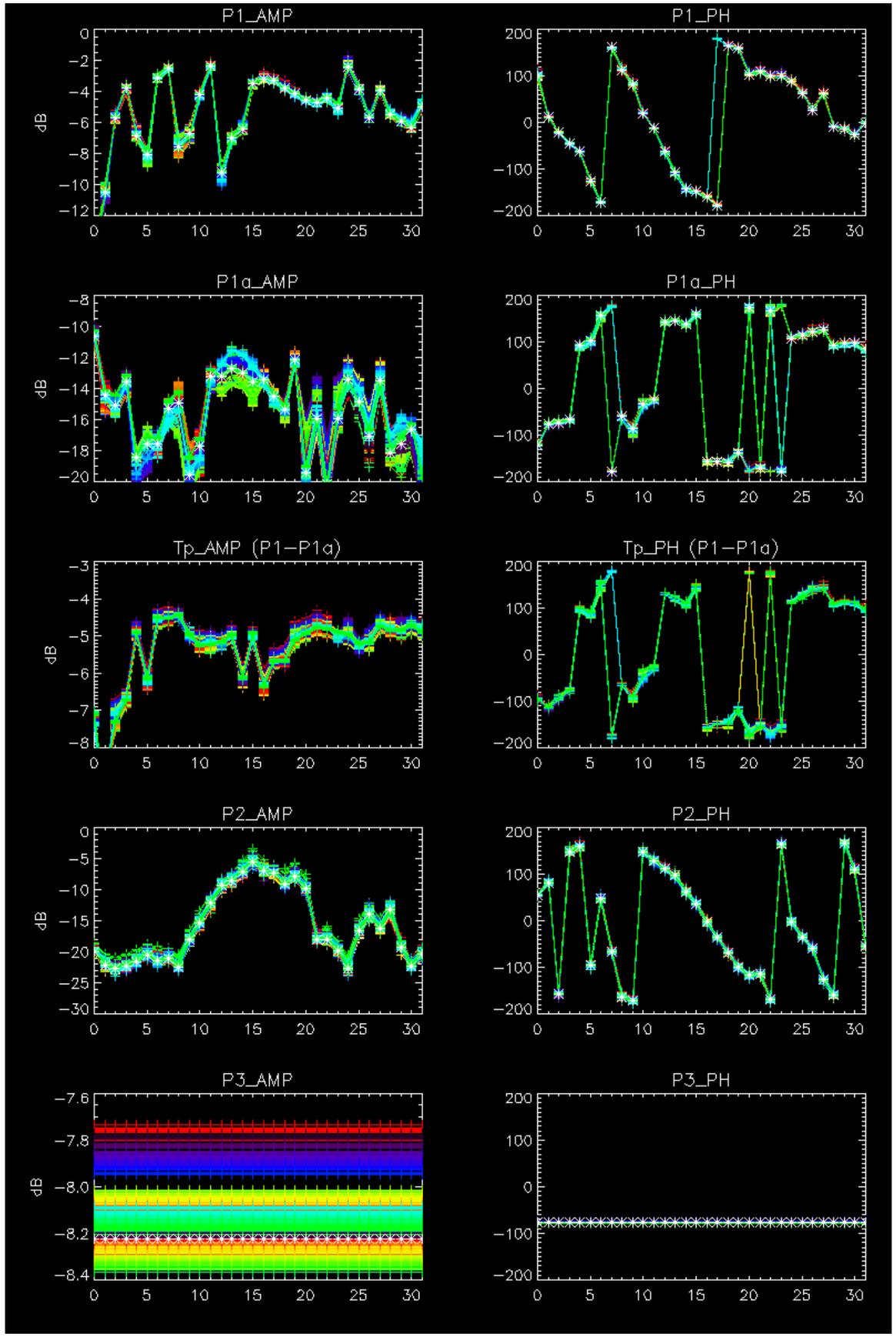

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
12
15
18
21
00
03
06
23−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30


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
12
15
18
21
00
03
06
23−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
12
15
18
21
00
03
06
23−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
12
15
18
21
00
03
06
23−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
12
15
18
21
00
03
06
23−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

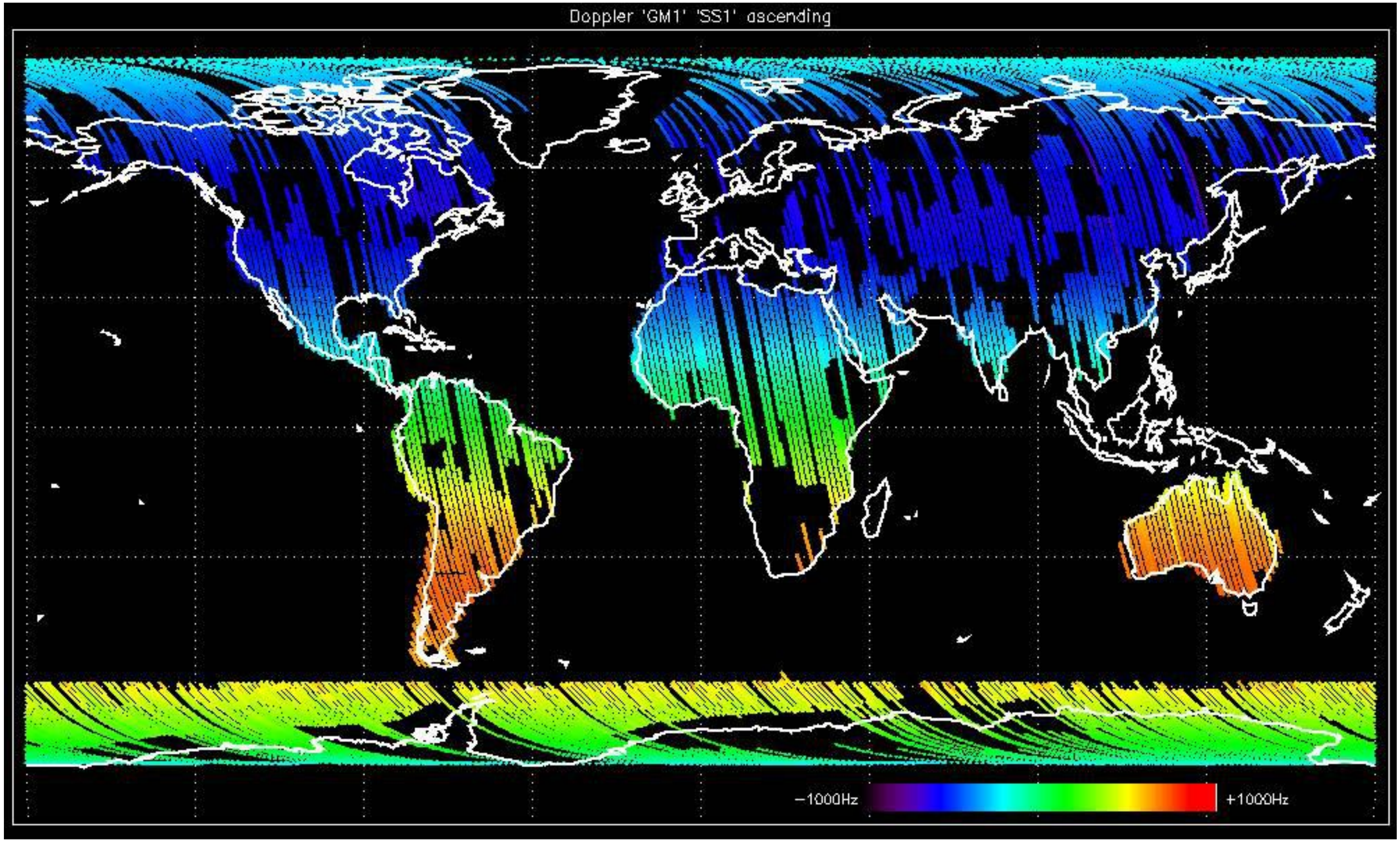
No anomalies observed.

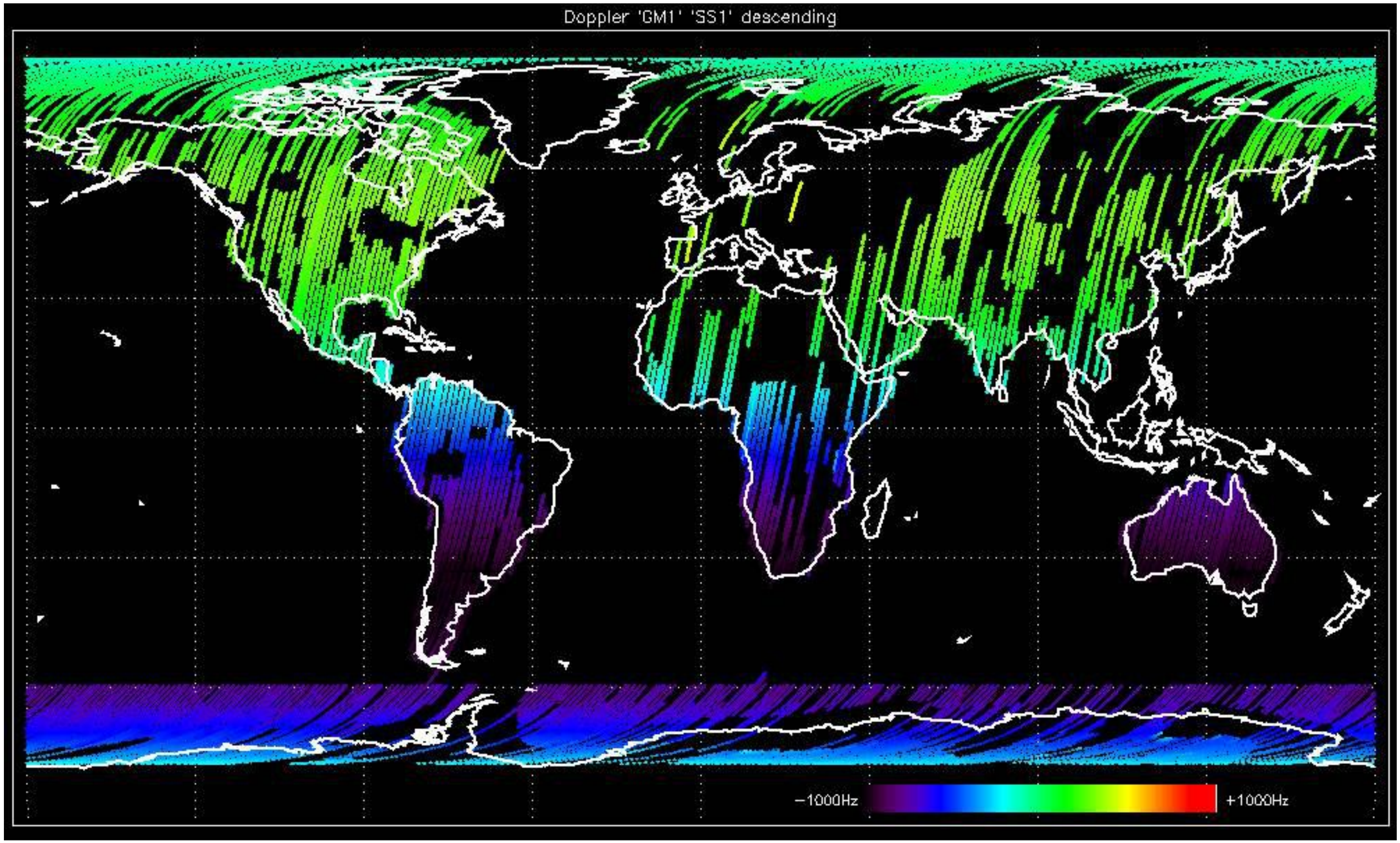

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

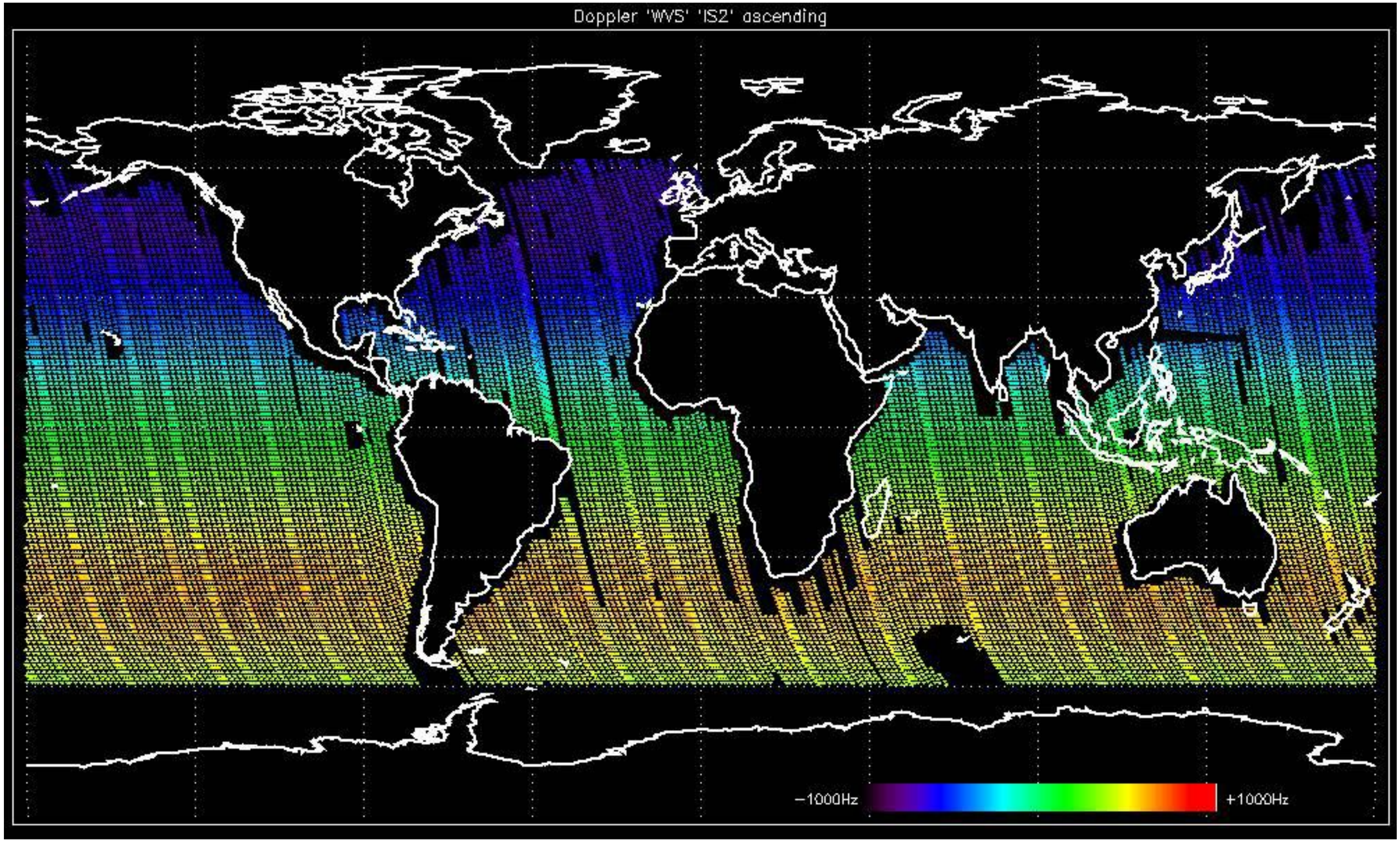

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

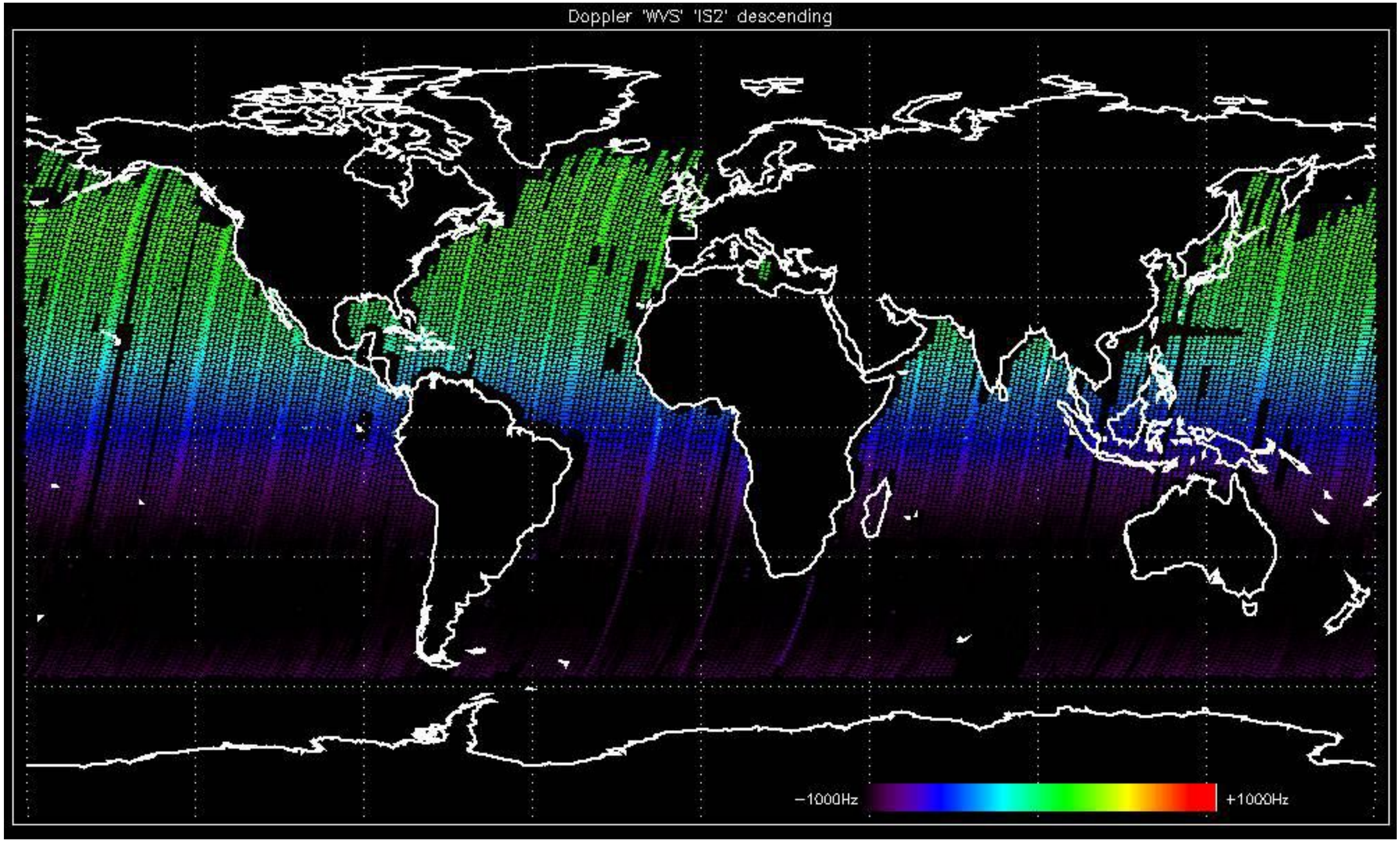
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

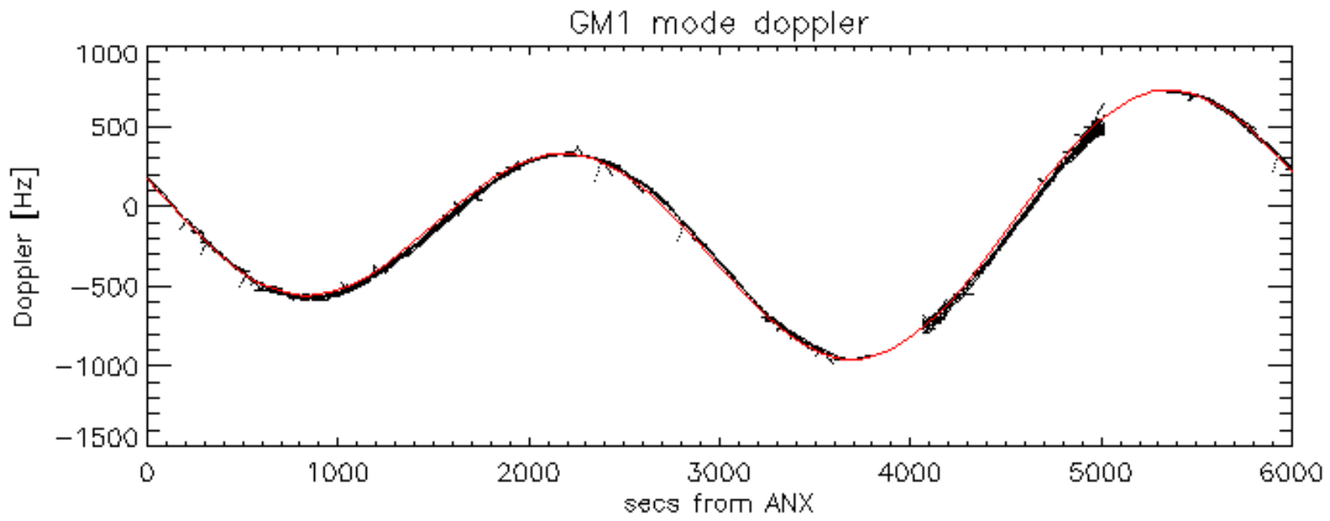
Preliminary report.The data is not yet controled

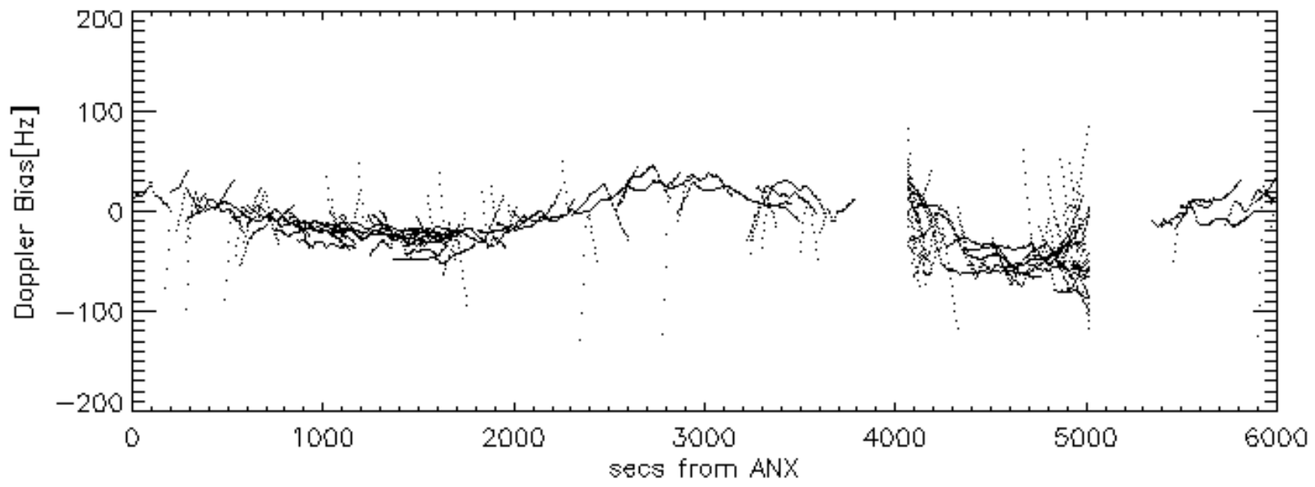

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

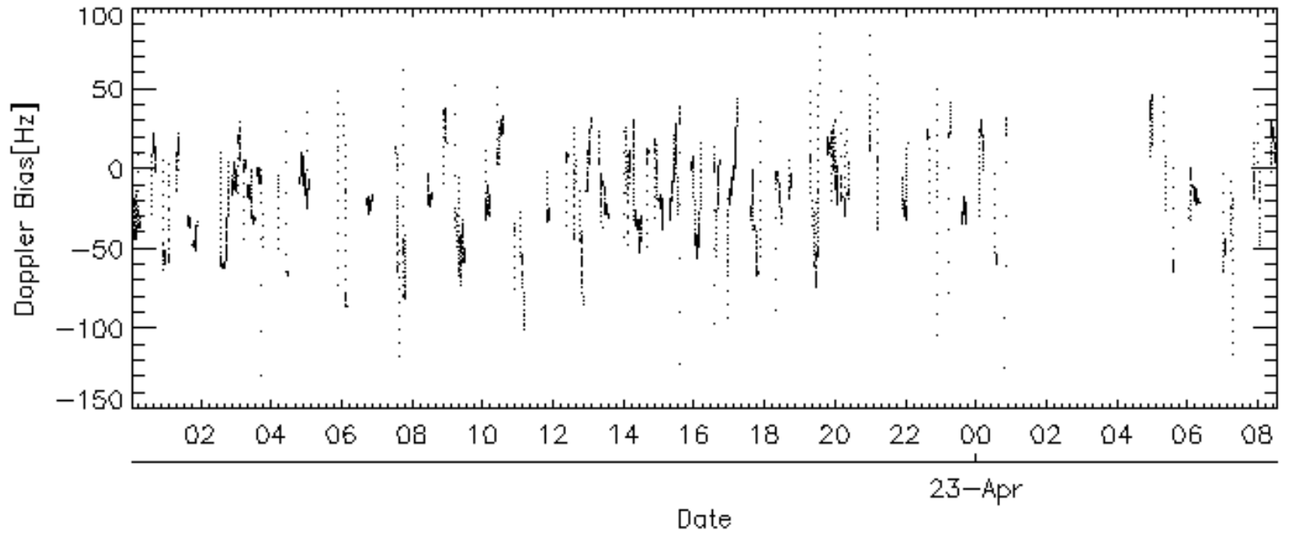

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

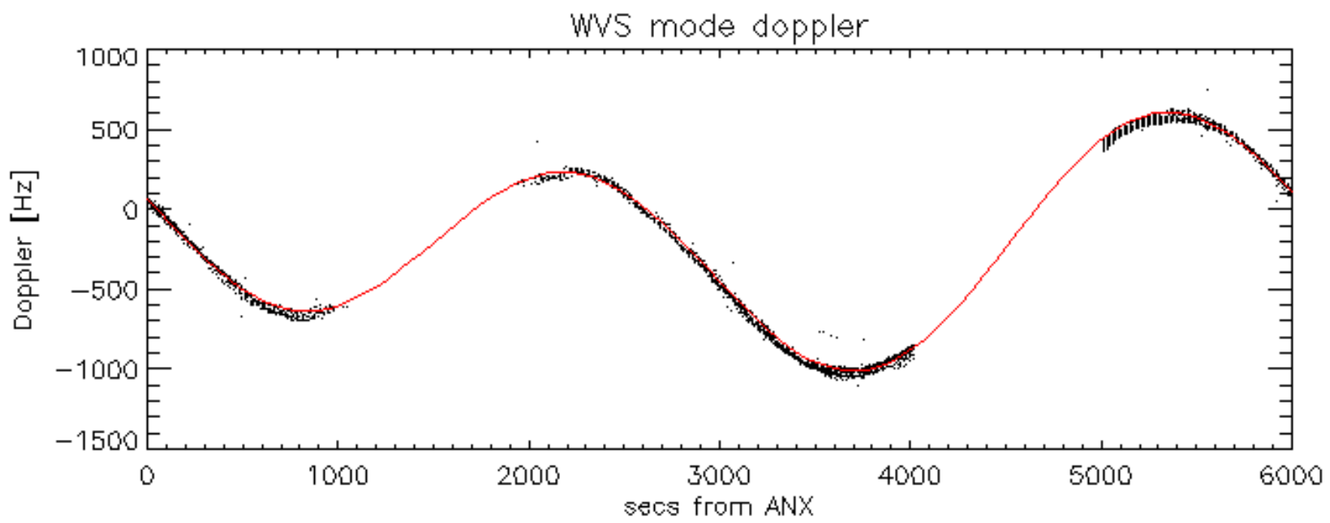

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

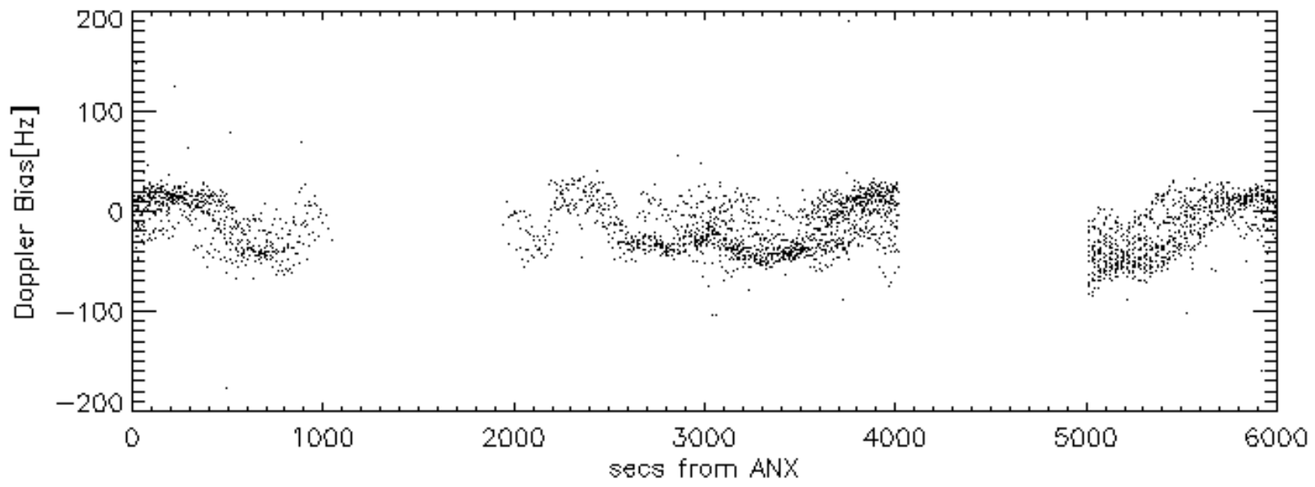

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

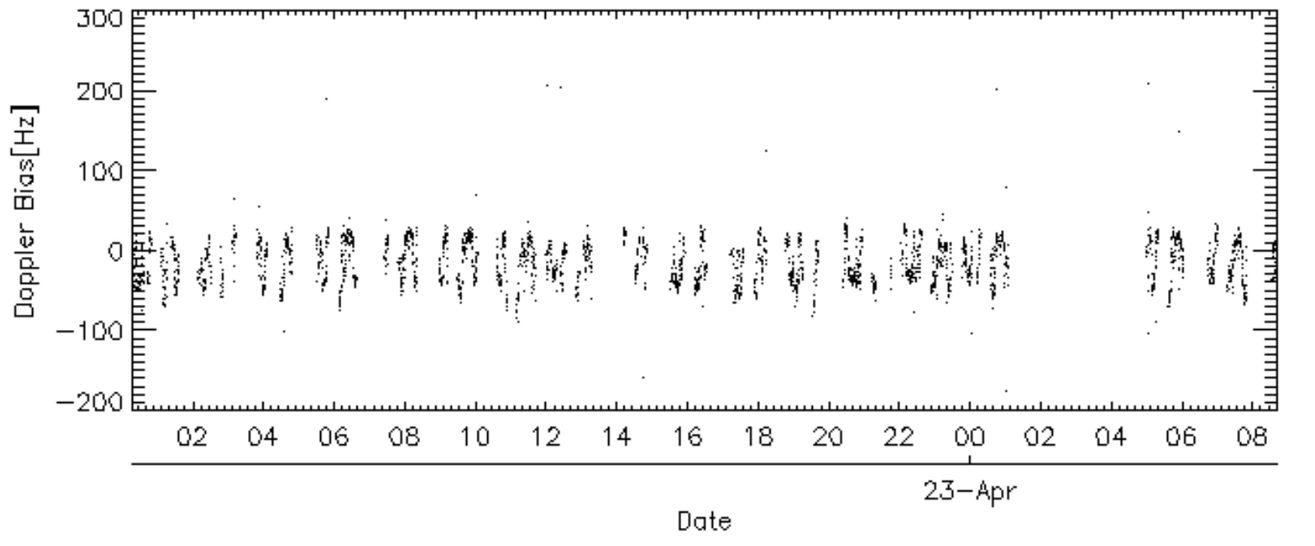

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

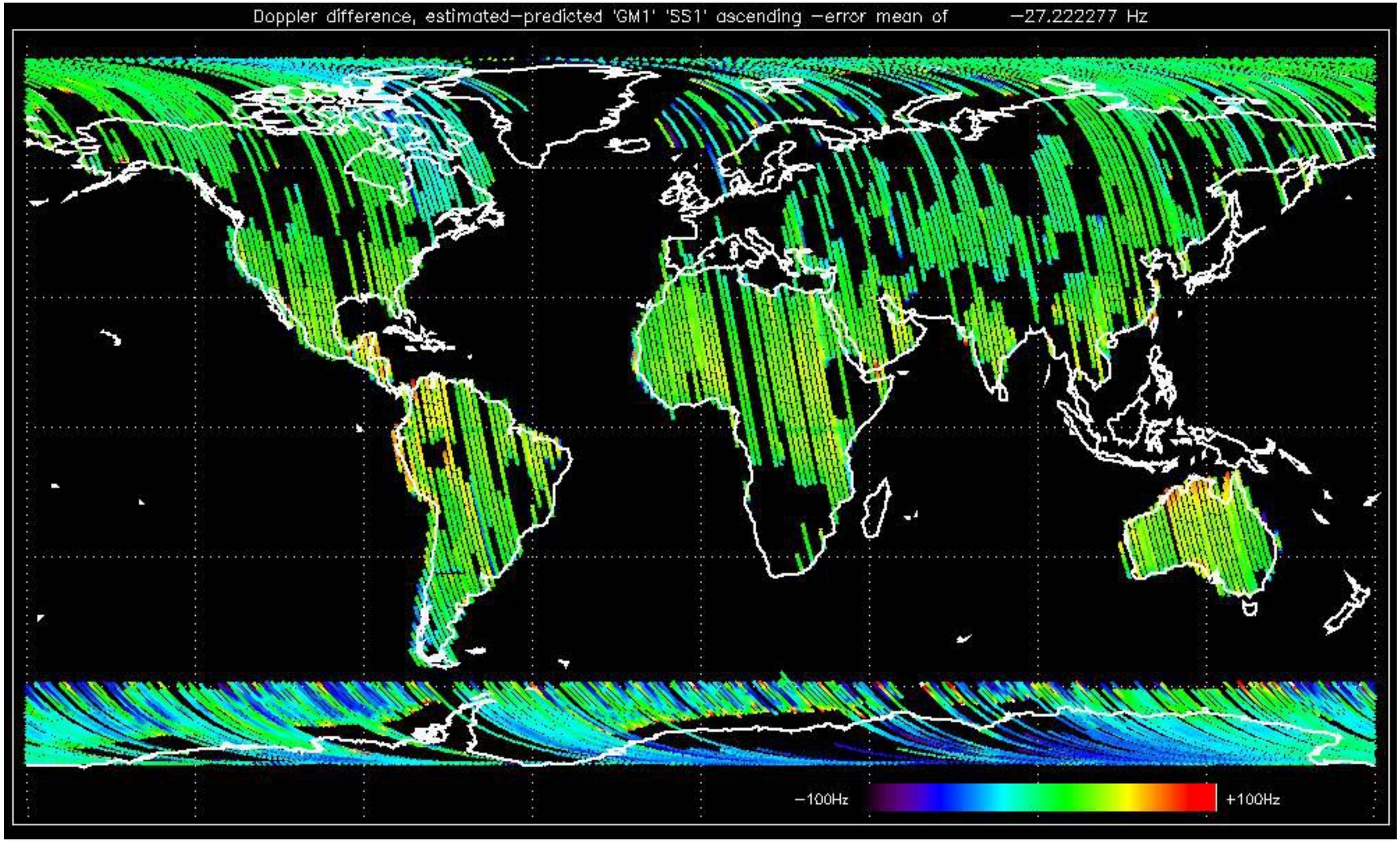

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

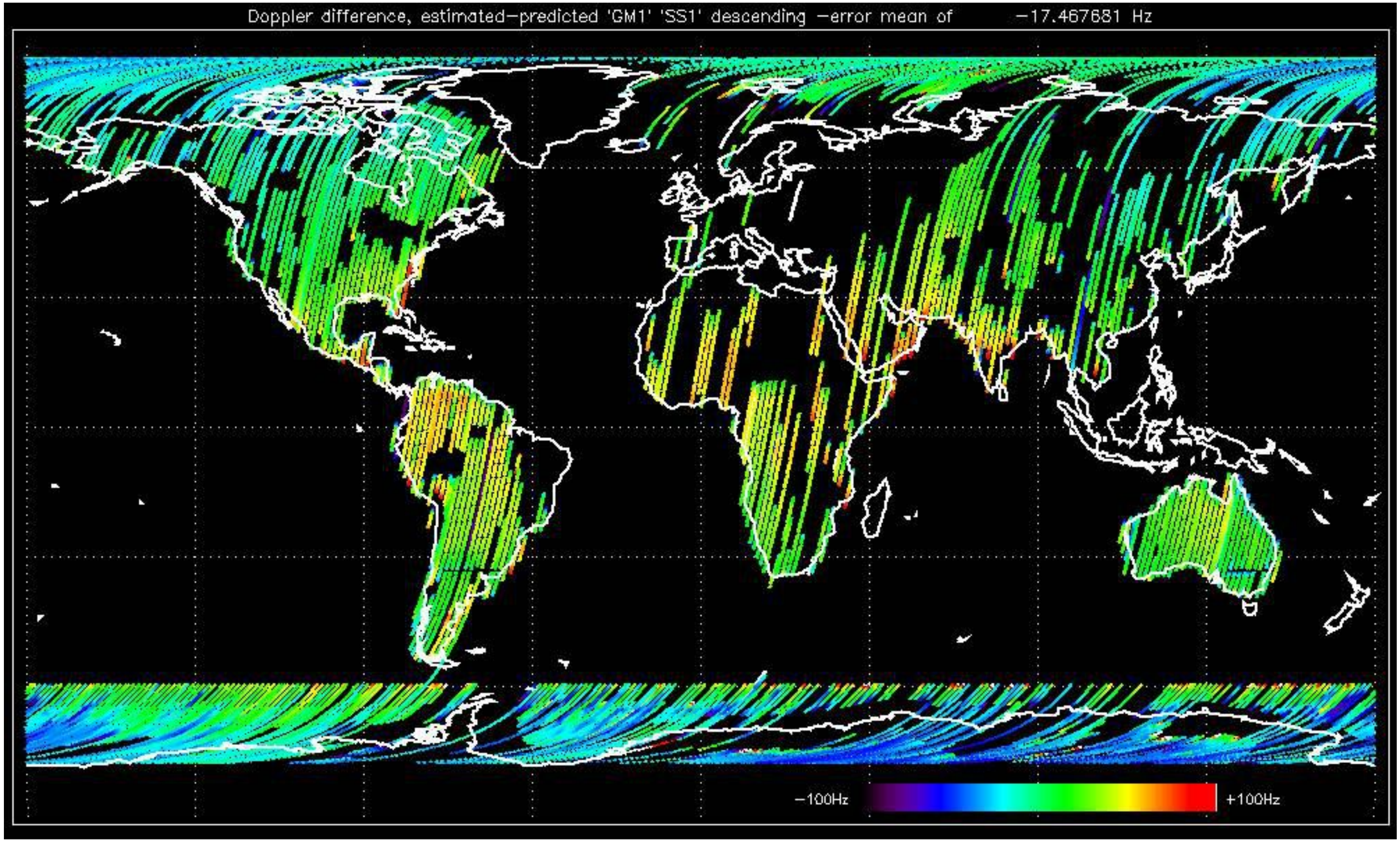

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
23−Apr
Date

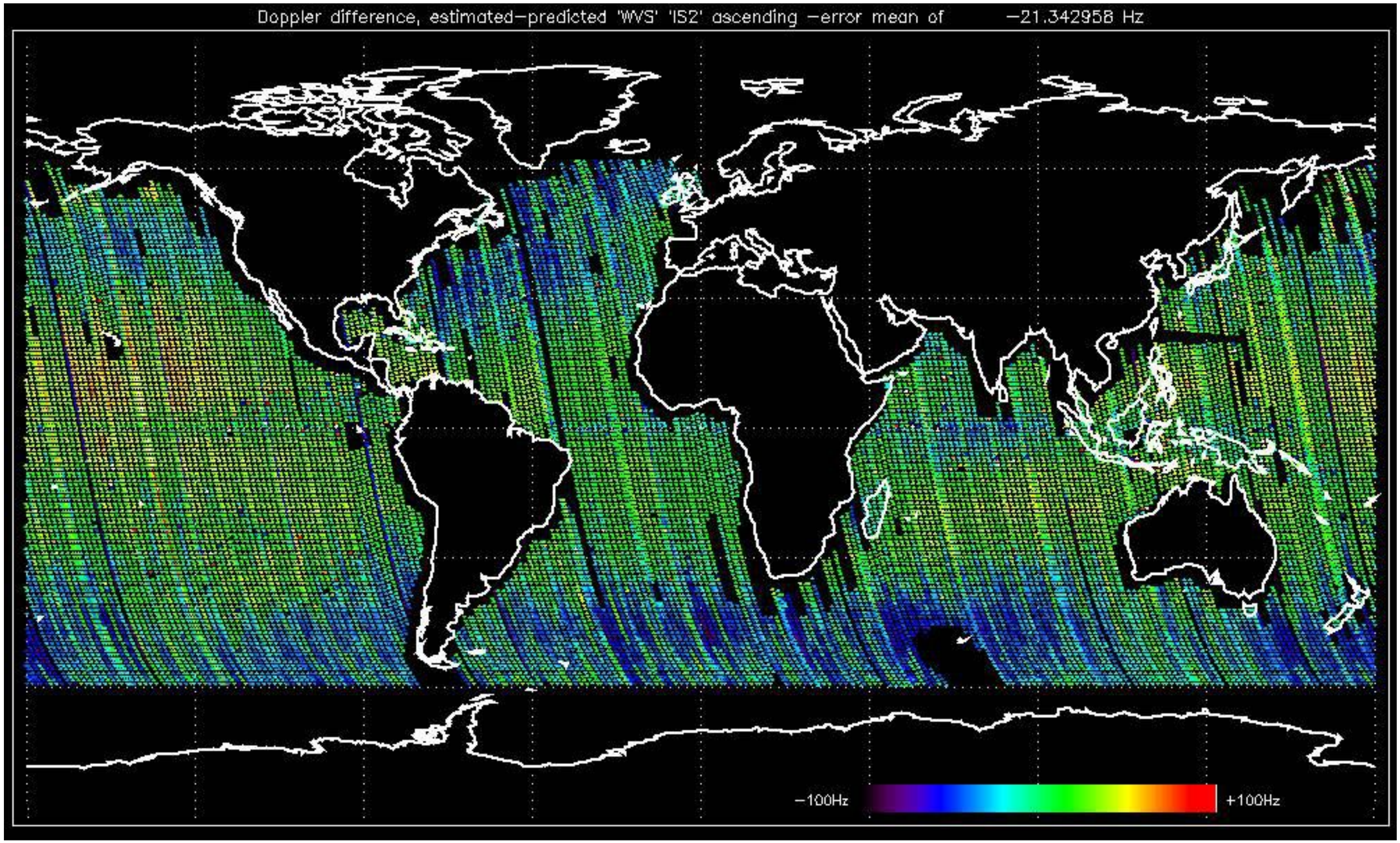

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

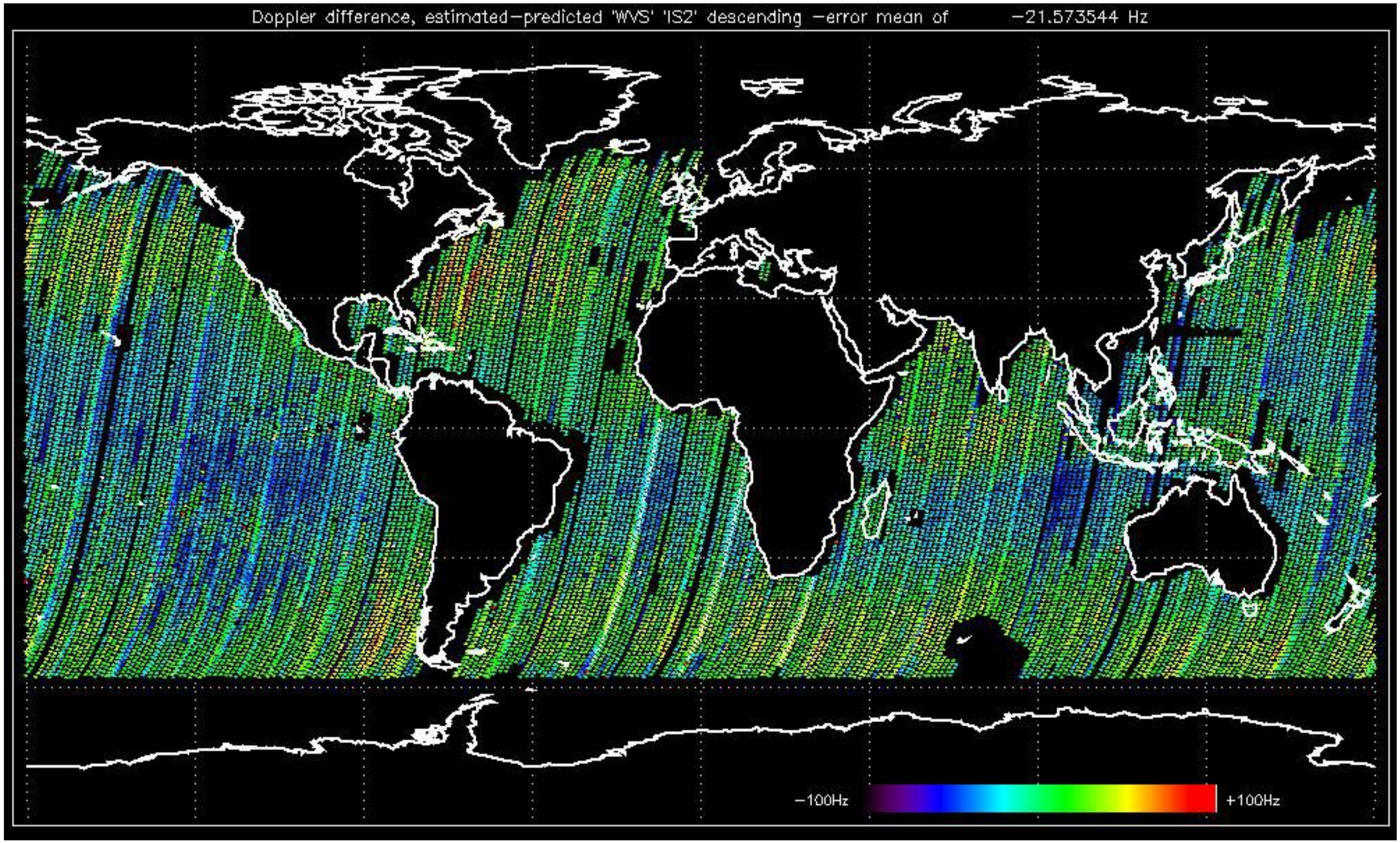

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
23−Apr
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −27.222277 Hz
−100Hz
+100Hz

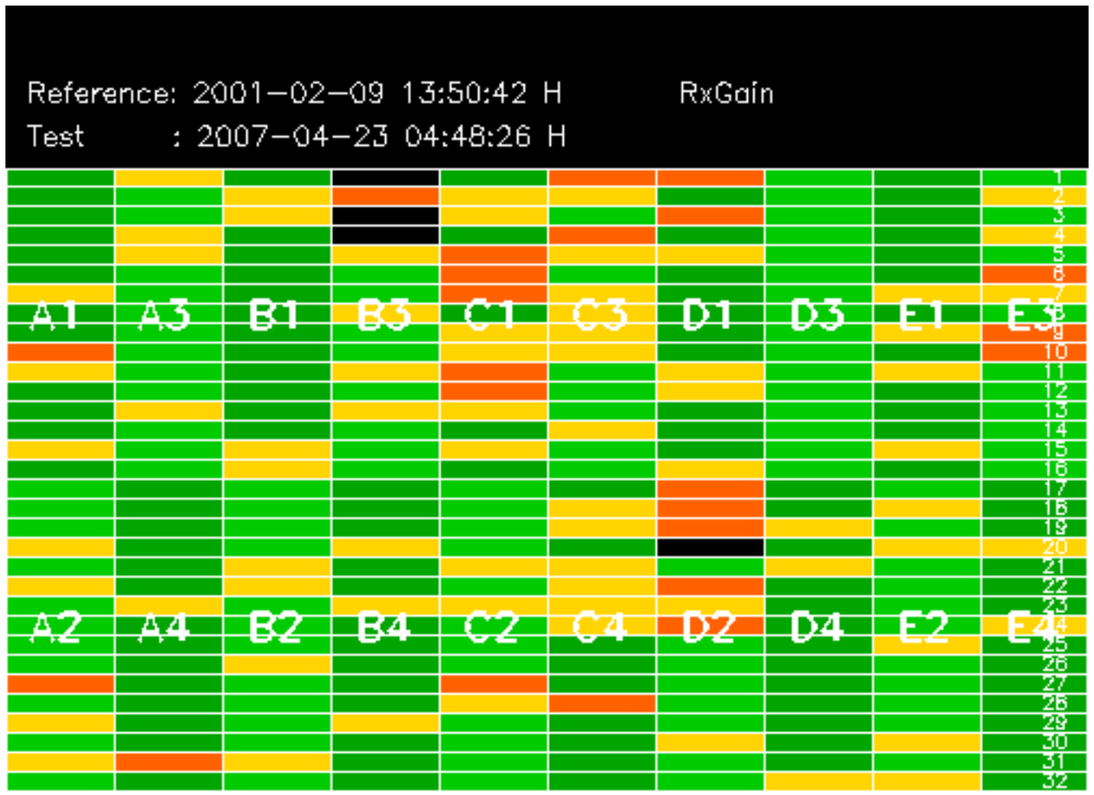

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.467681 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −21.342958 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.573544 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-23 04:48:26 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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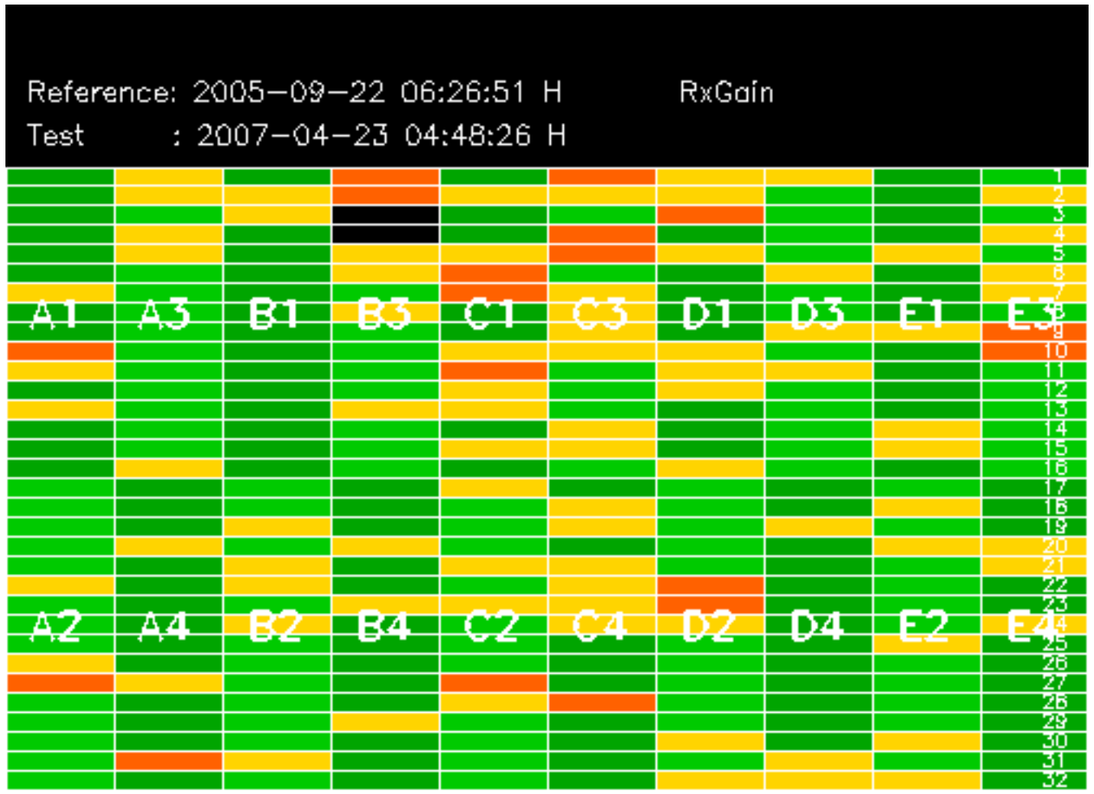
Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-04-23 04:48:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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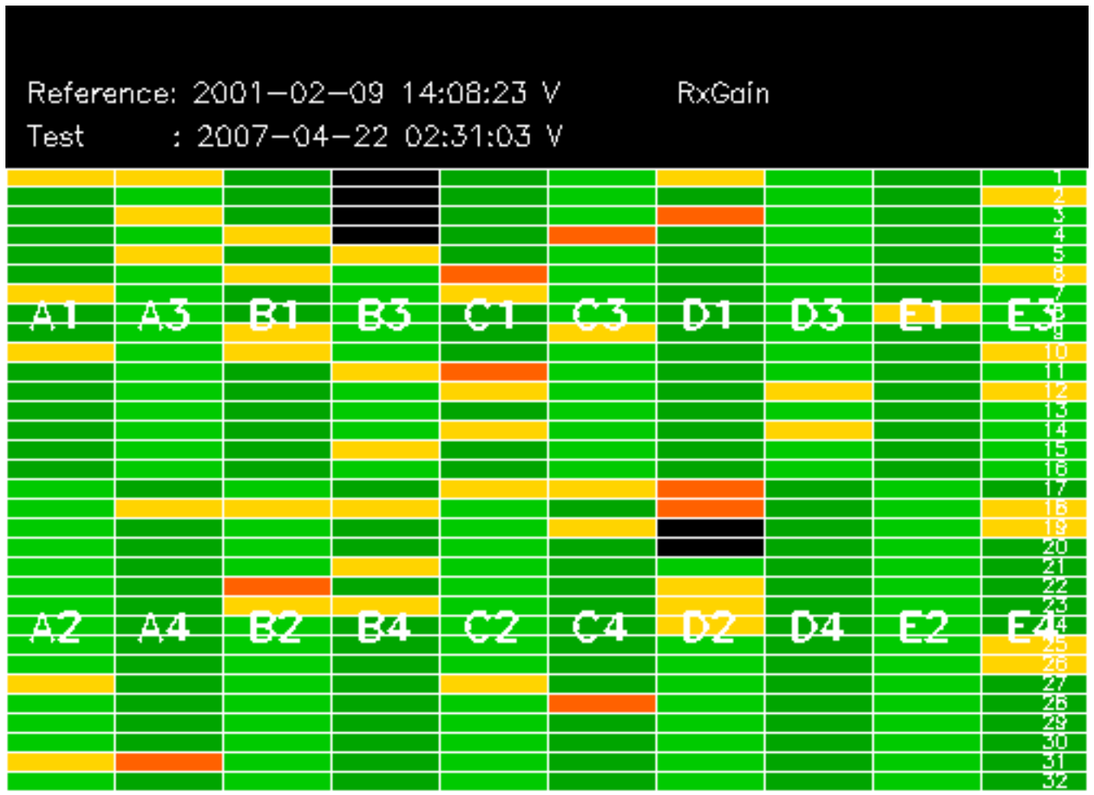
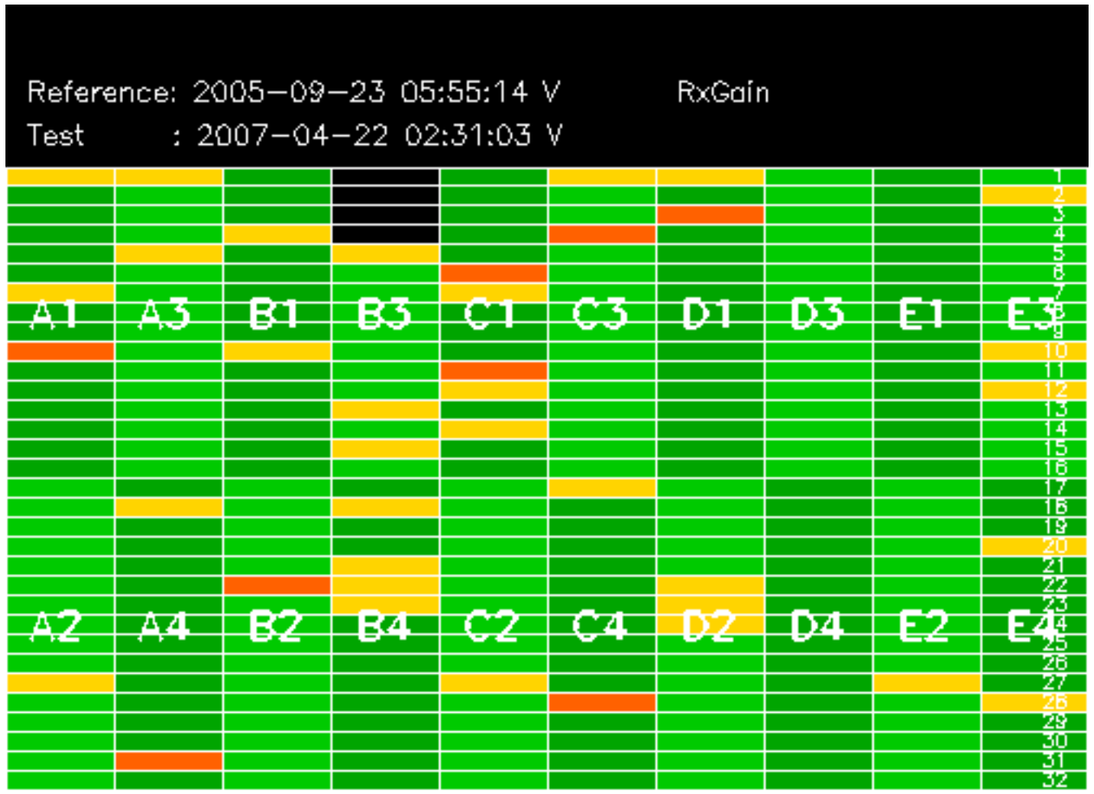

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-22 02:31:03 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-22 02:31:03 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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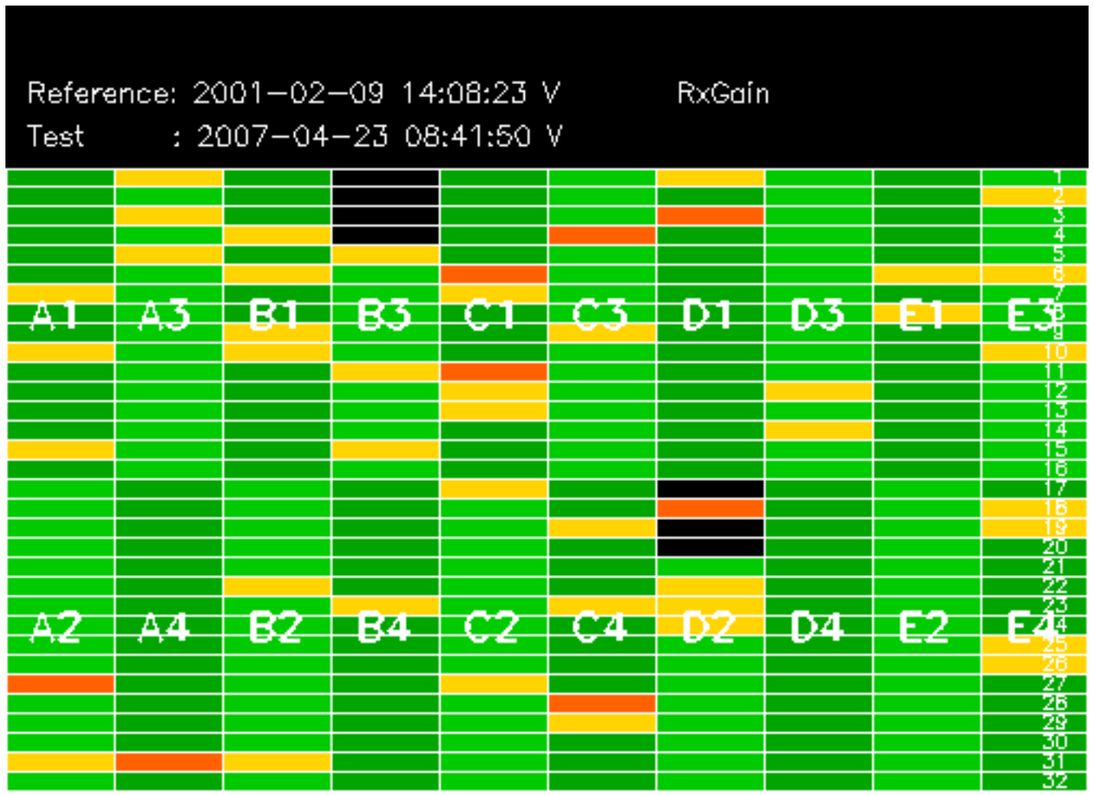
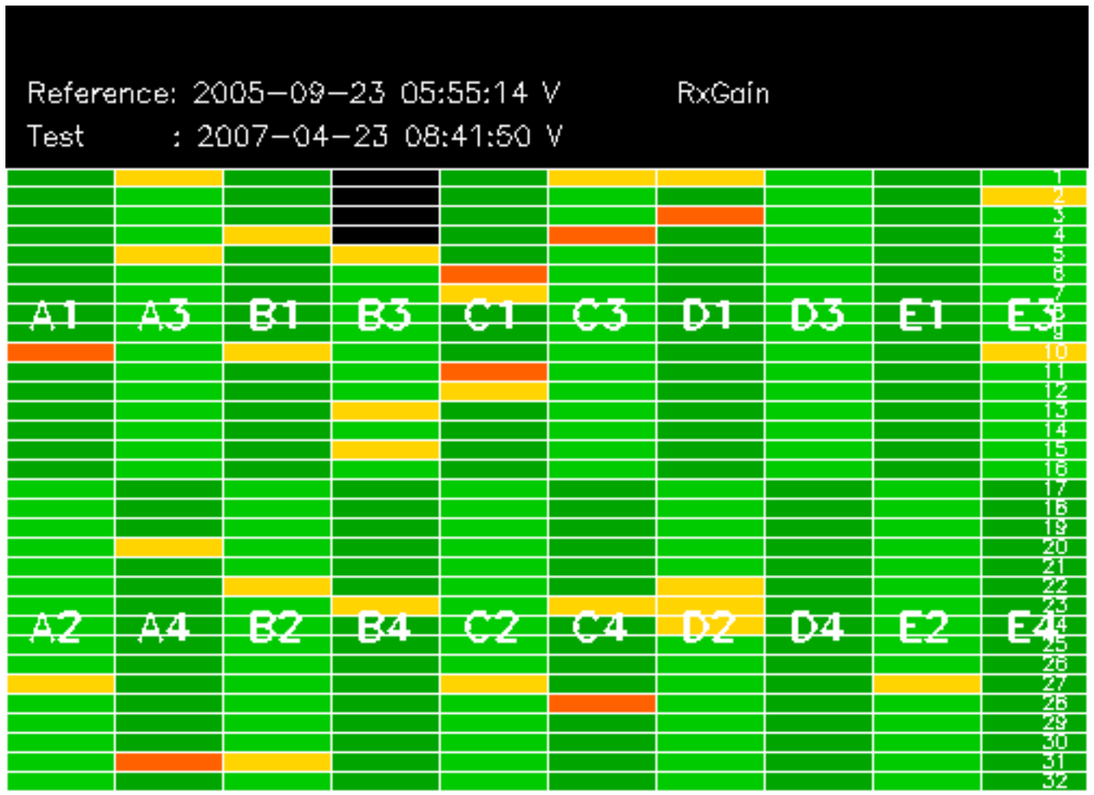

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-04-23 08:41:50 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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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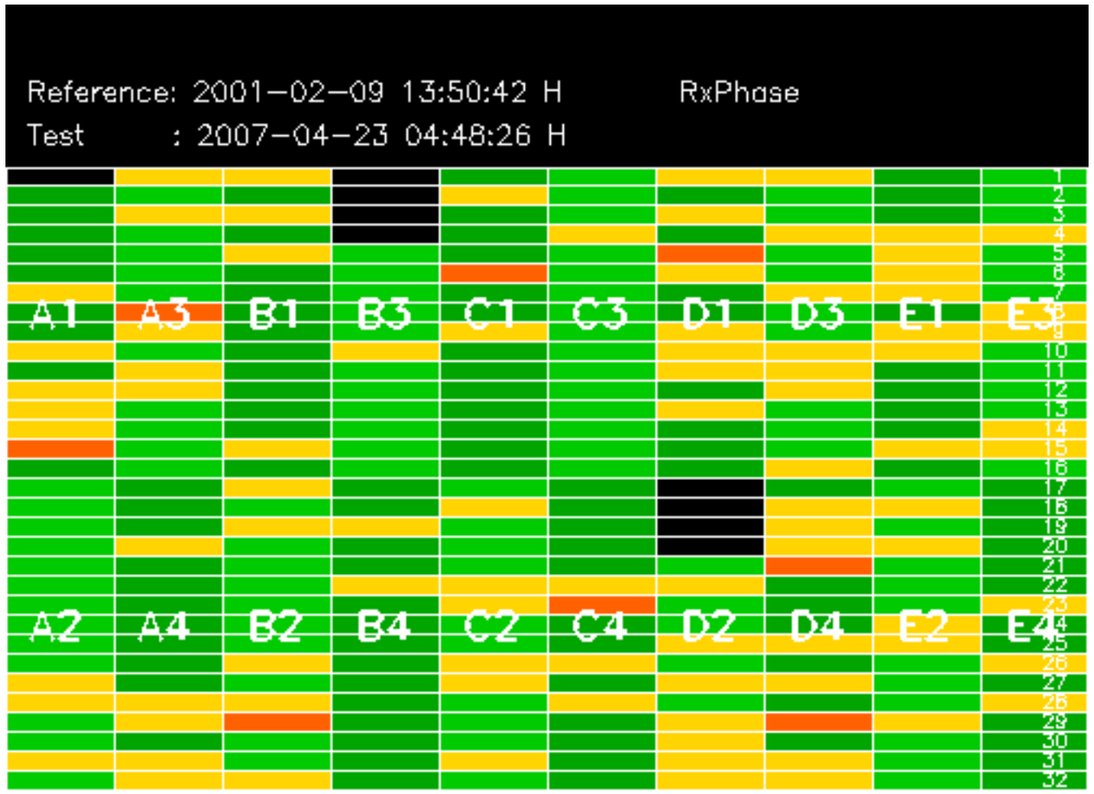
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-23 04:48:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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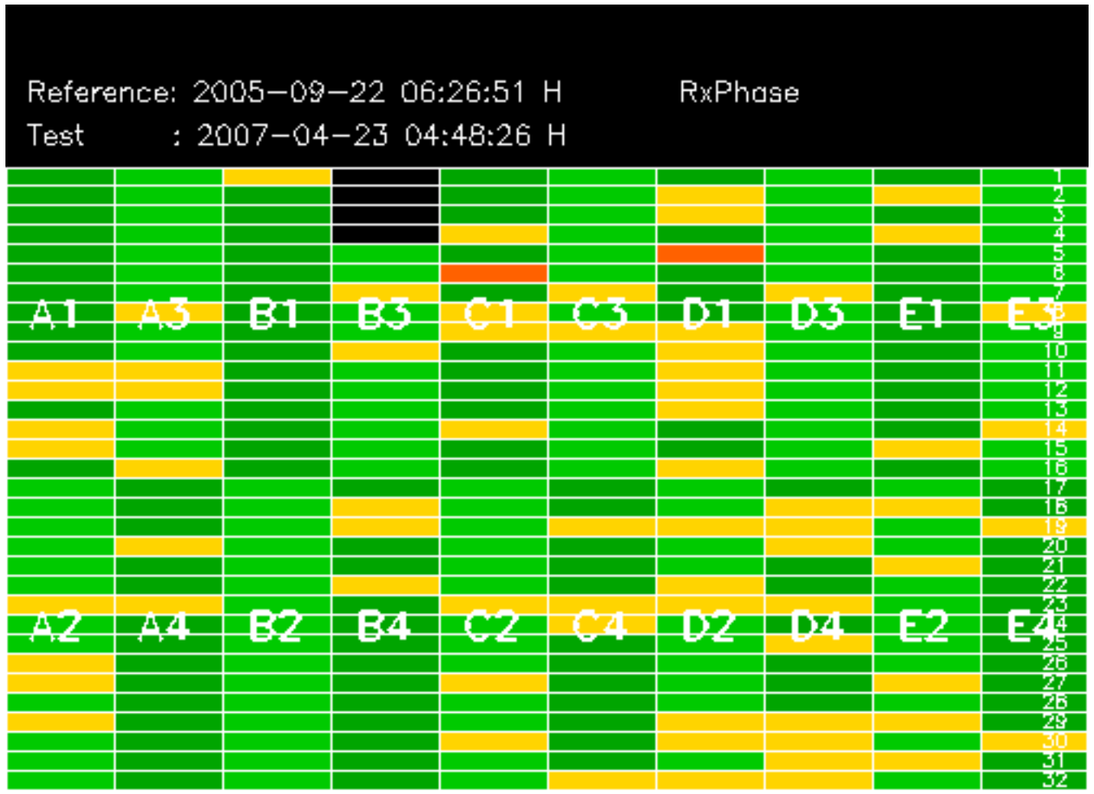
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-04-23 04:48:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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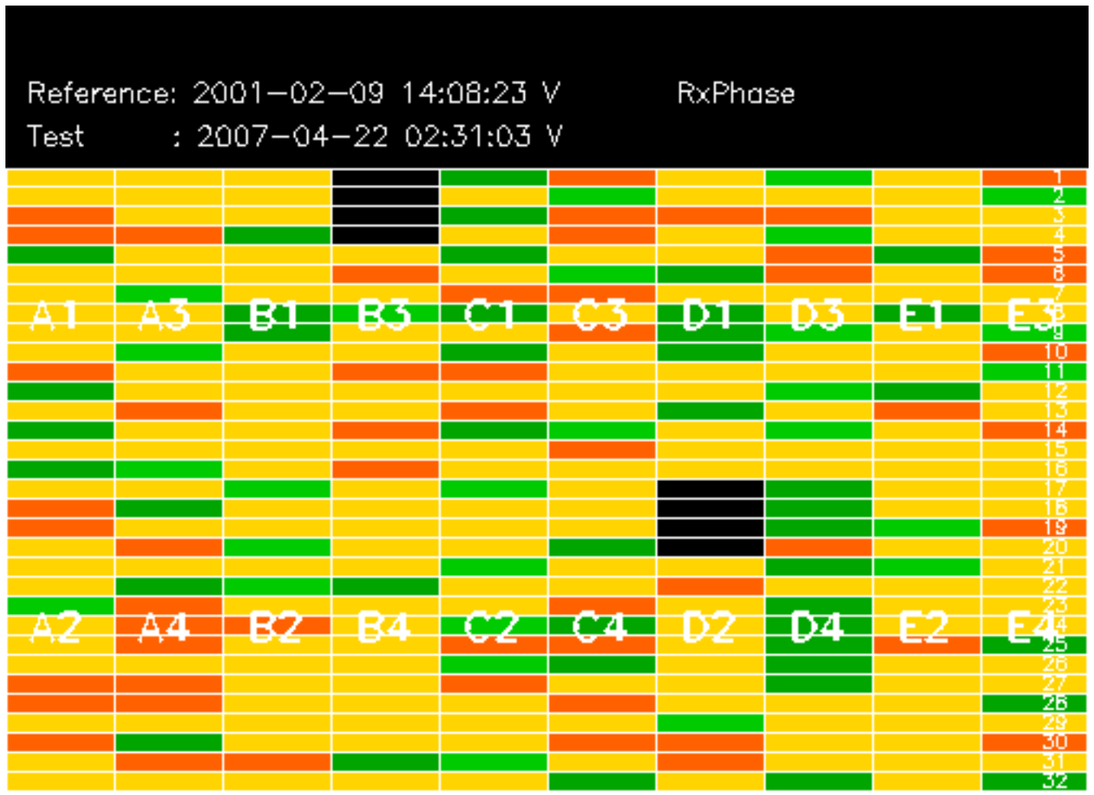
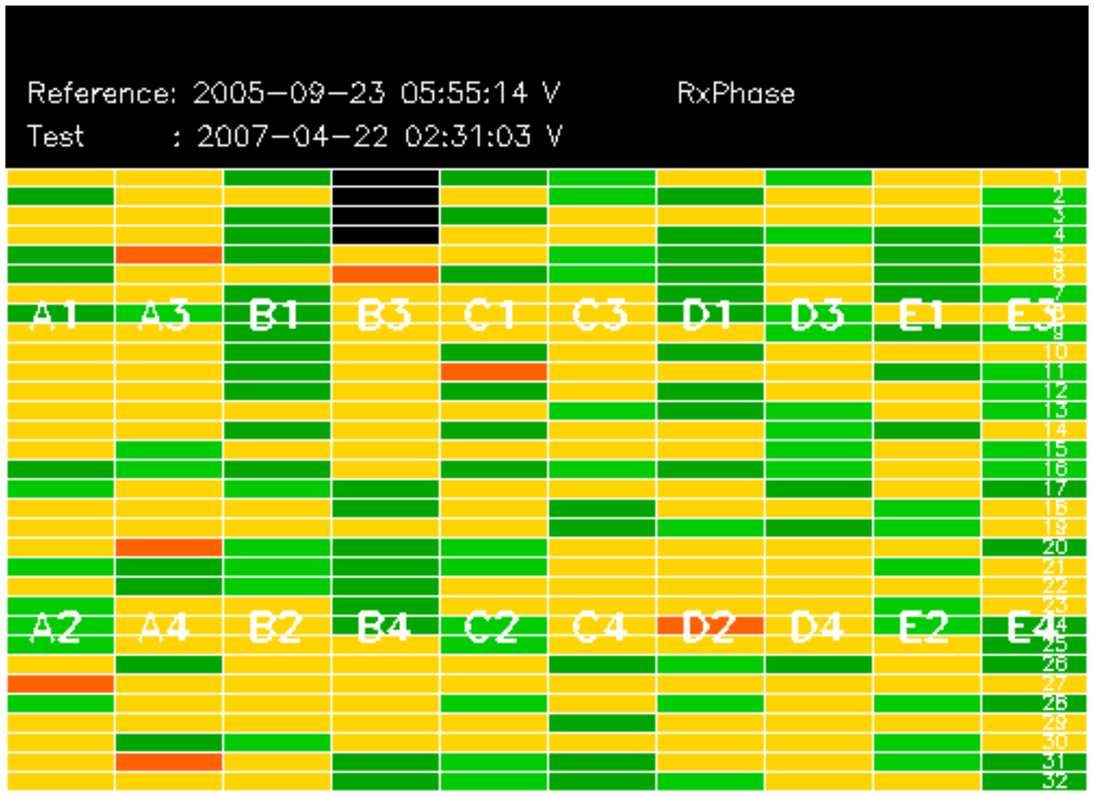

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-04-22 02:31:03 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-22 02:31:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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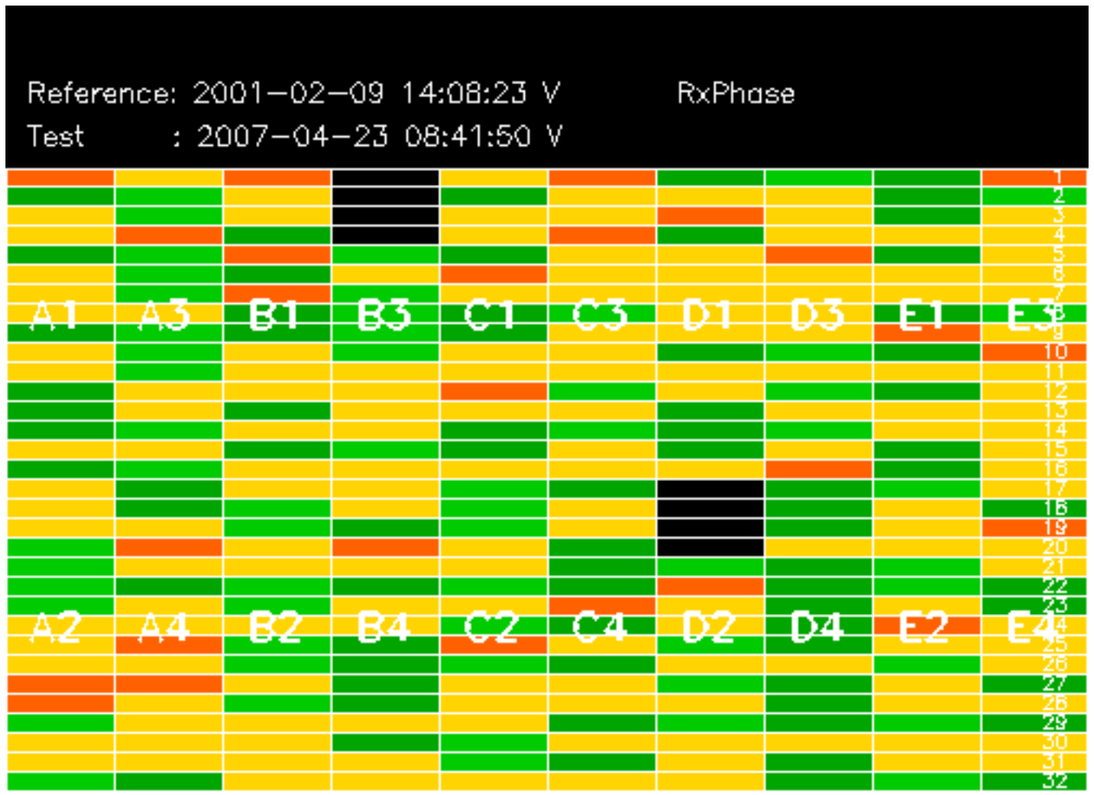
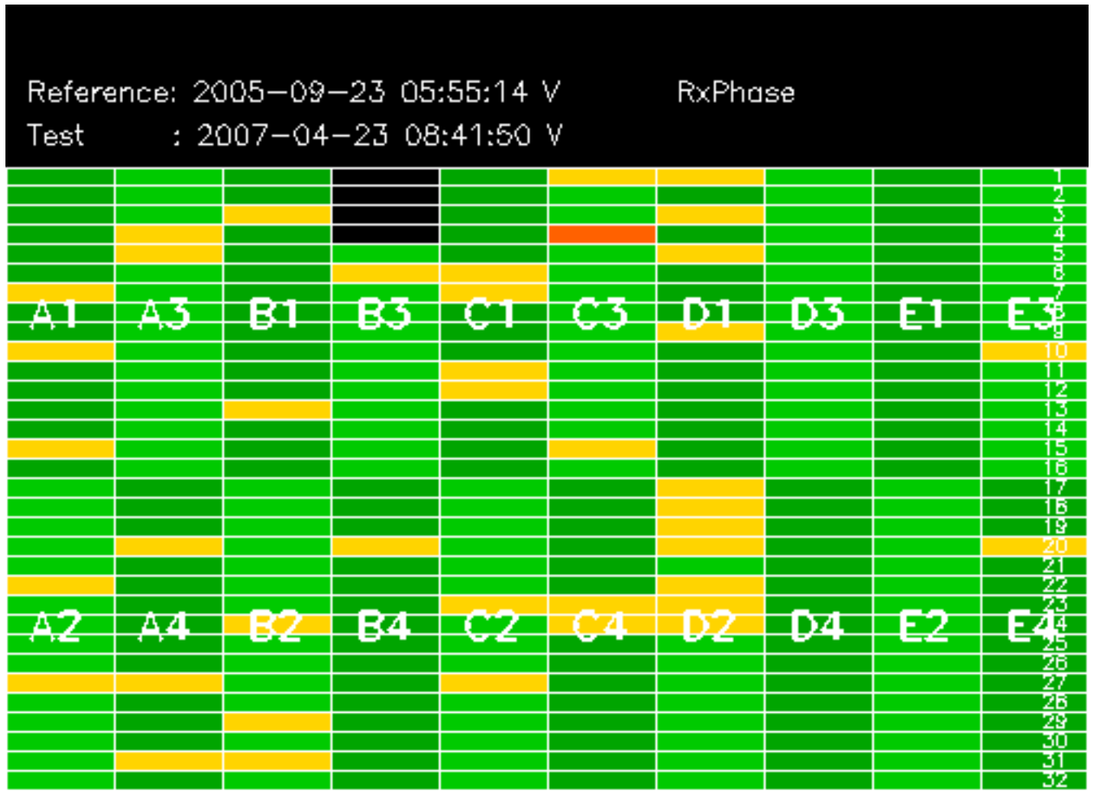

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-23 08:41:50 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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
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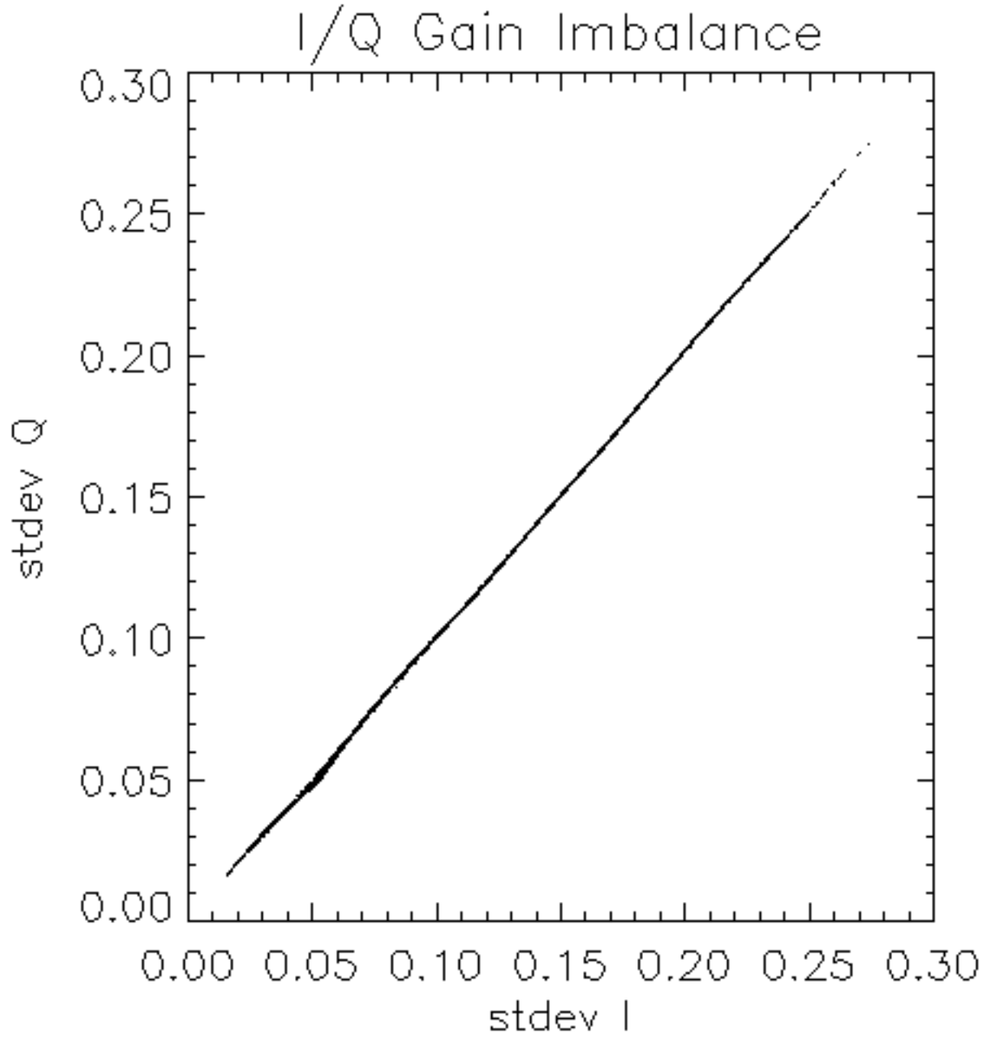
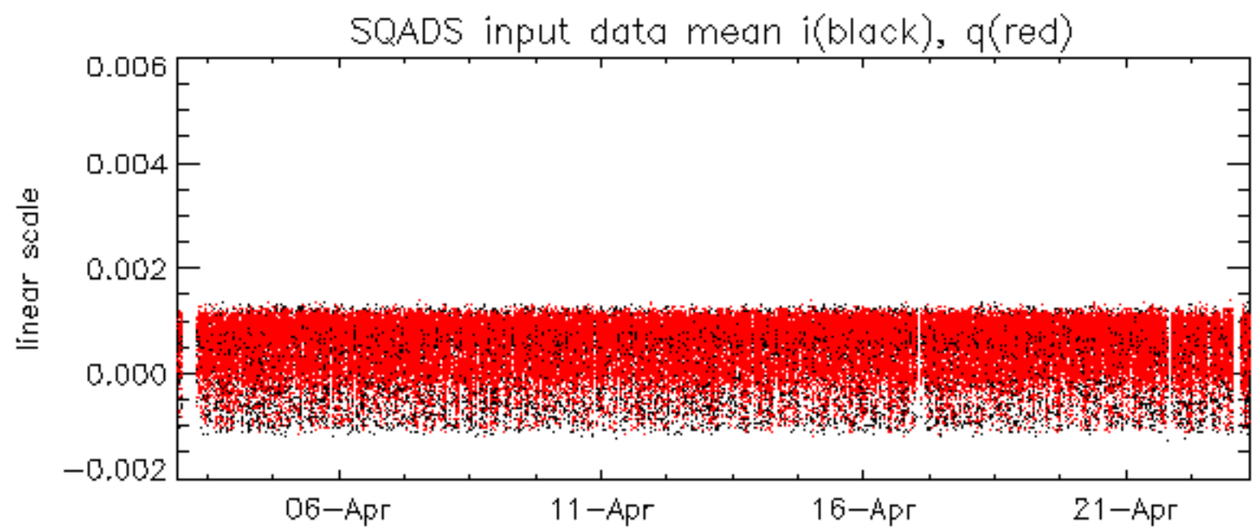
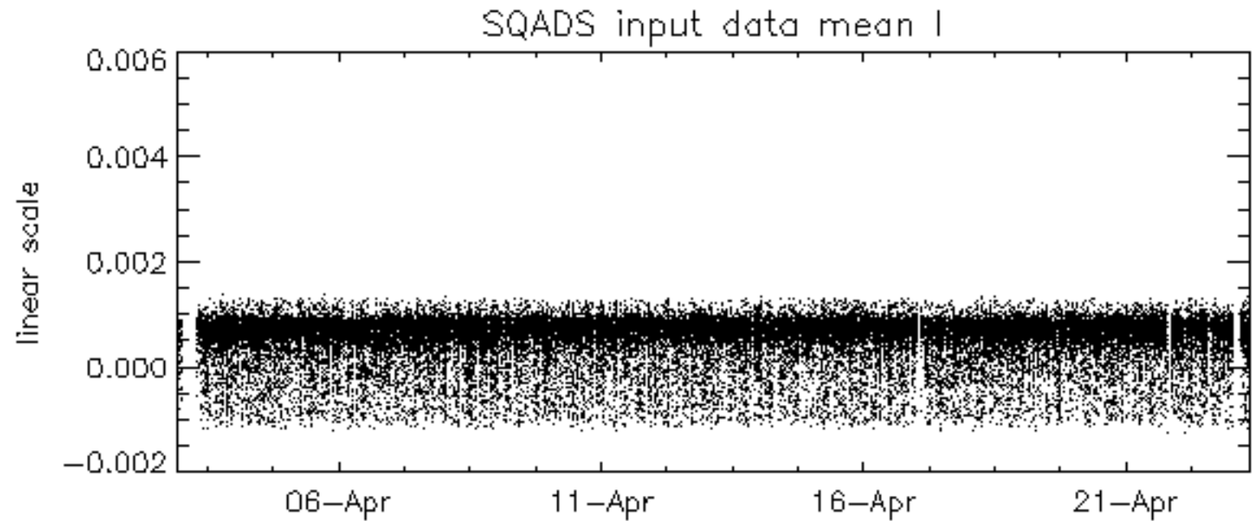
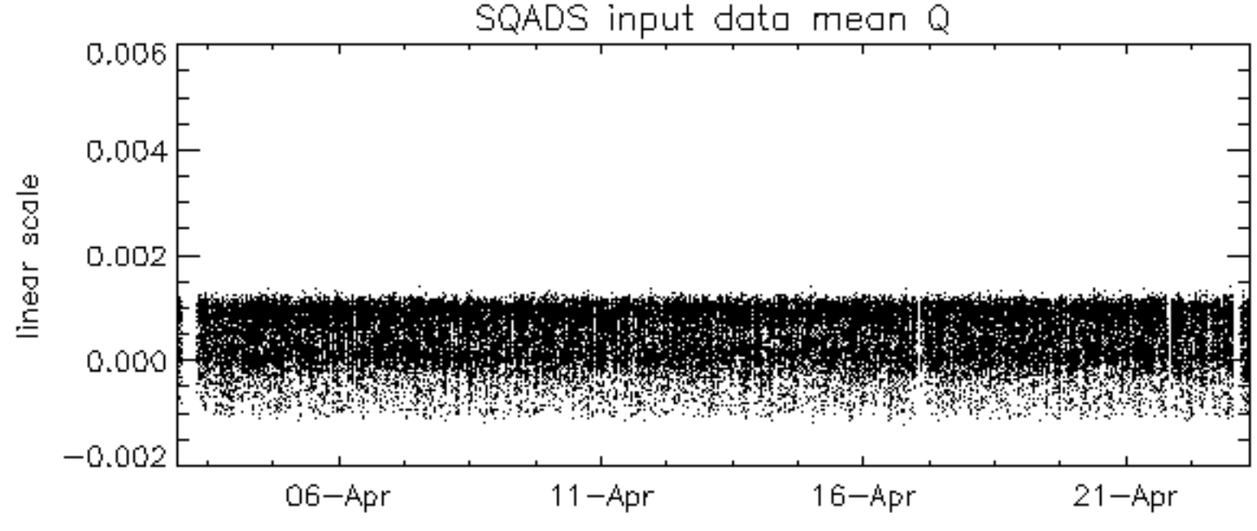
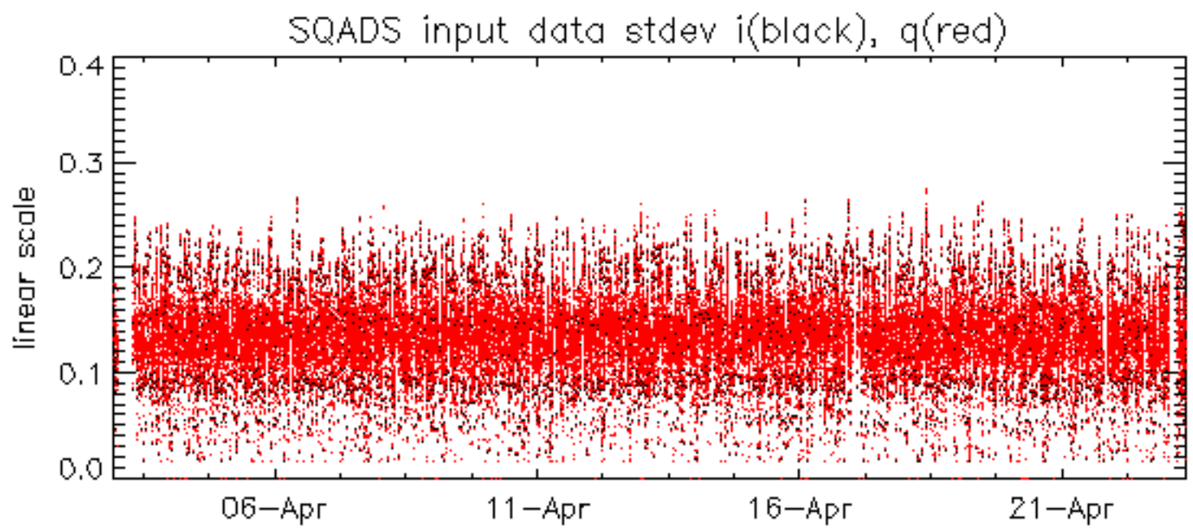
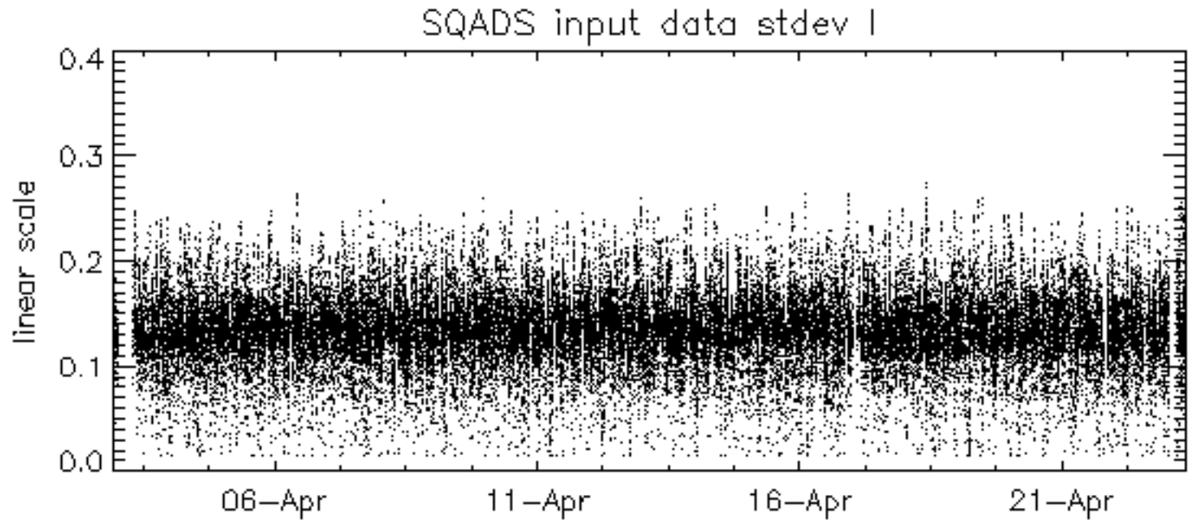

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

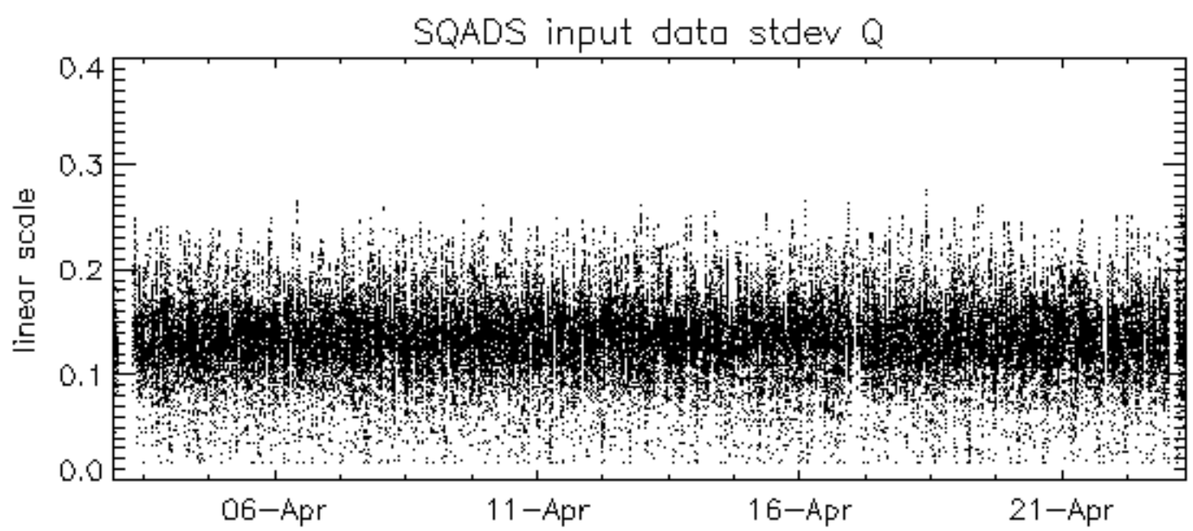

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr

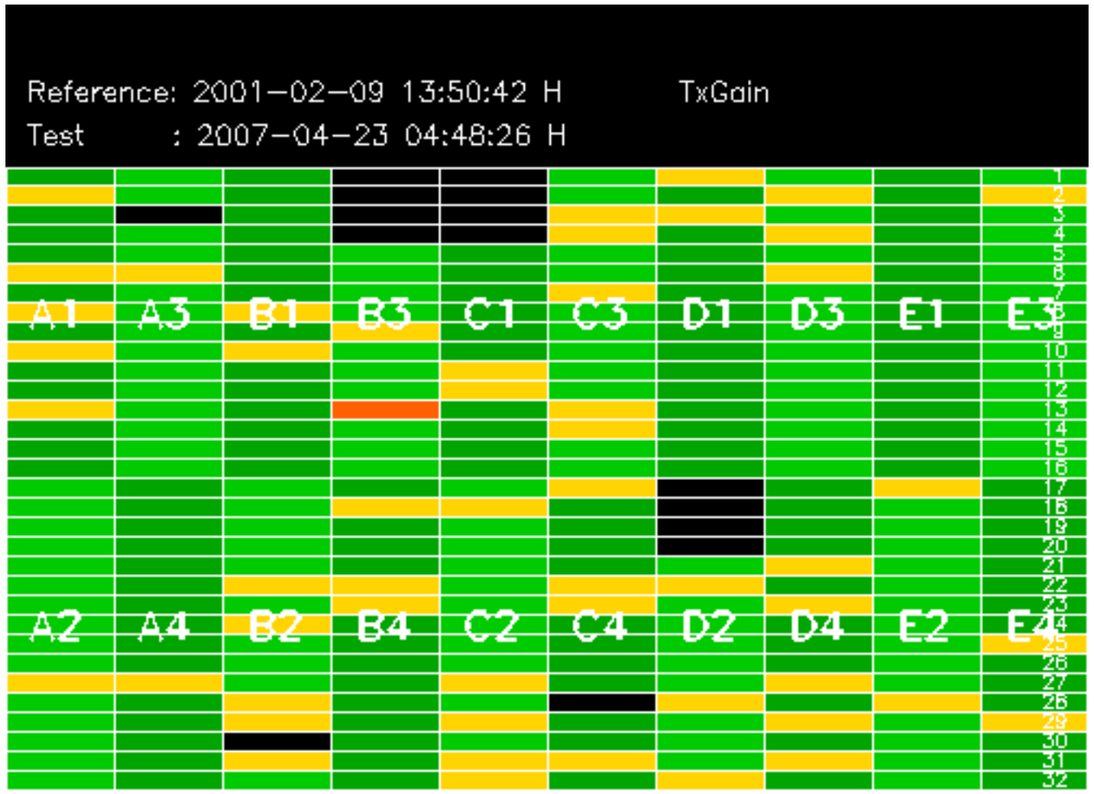

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr


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 : 2007-04-23 04:48:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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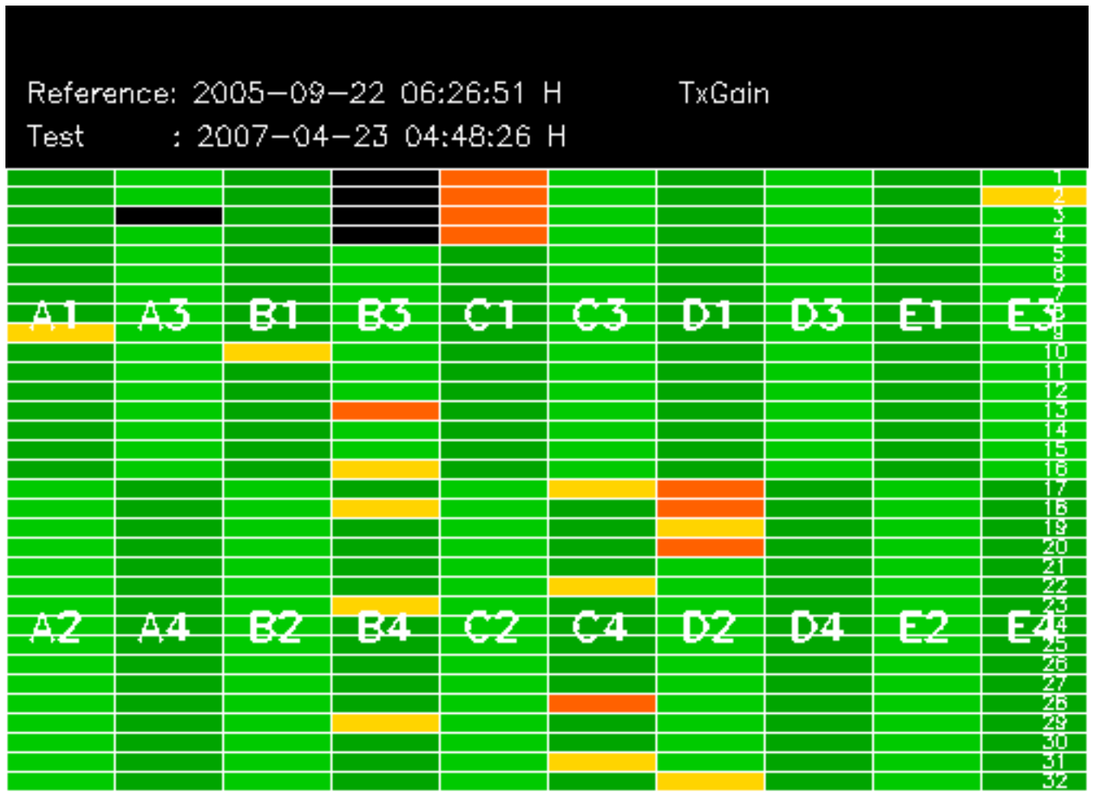
Reference: 2005-09-22 06:26:51 H
TxGain
Test : 2007-04-23 04:48:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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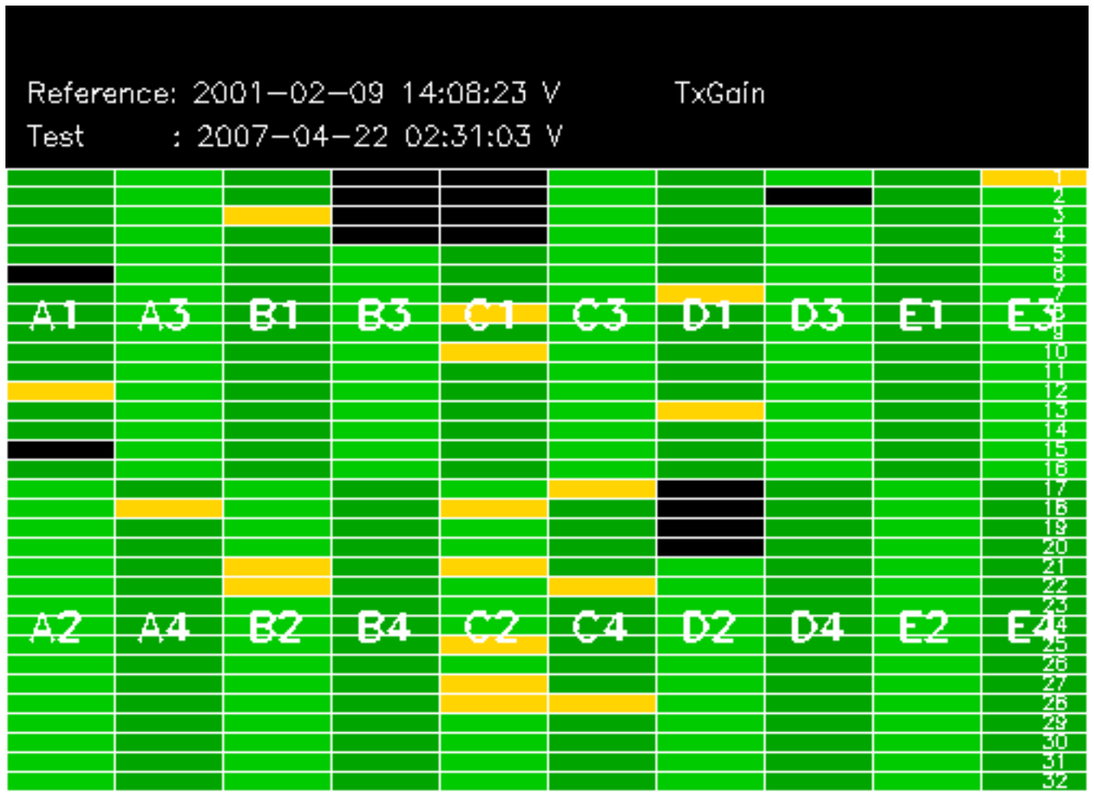
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-22 02:31:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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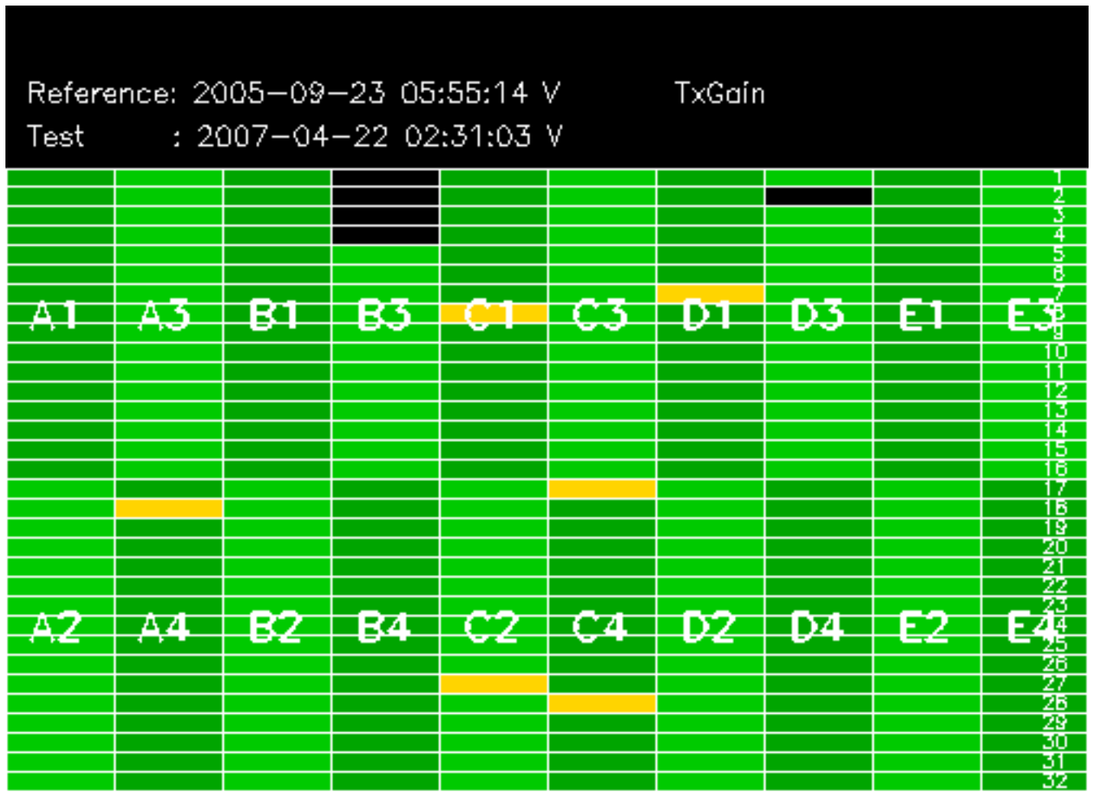
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-22 02:31:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
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E1
E3
A2
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B2
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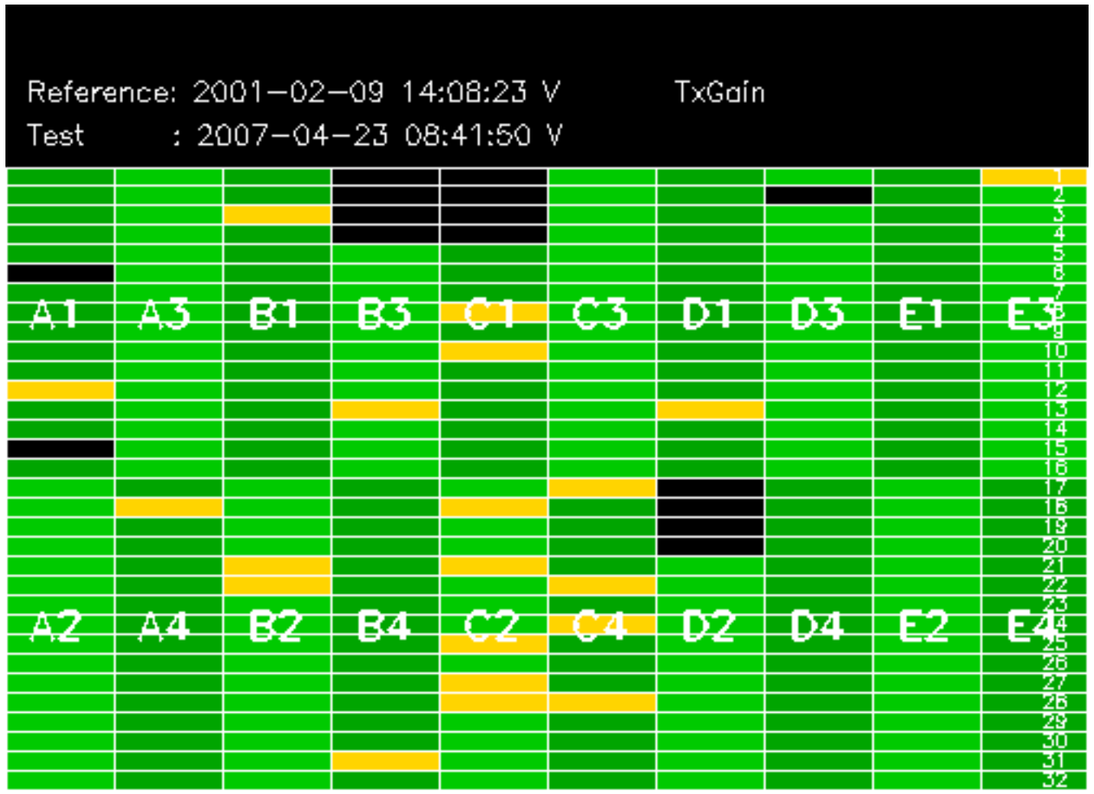
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-23 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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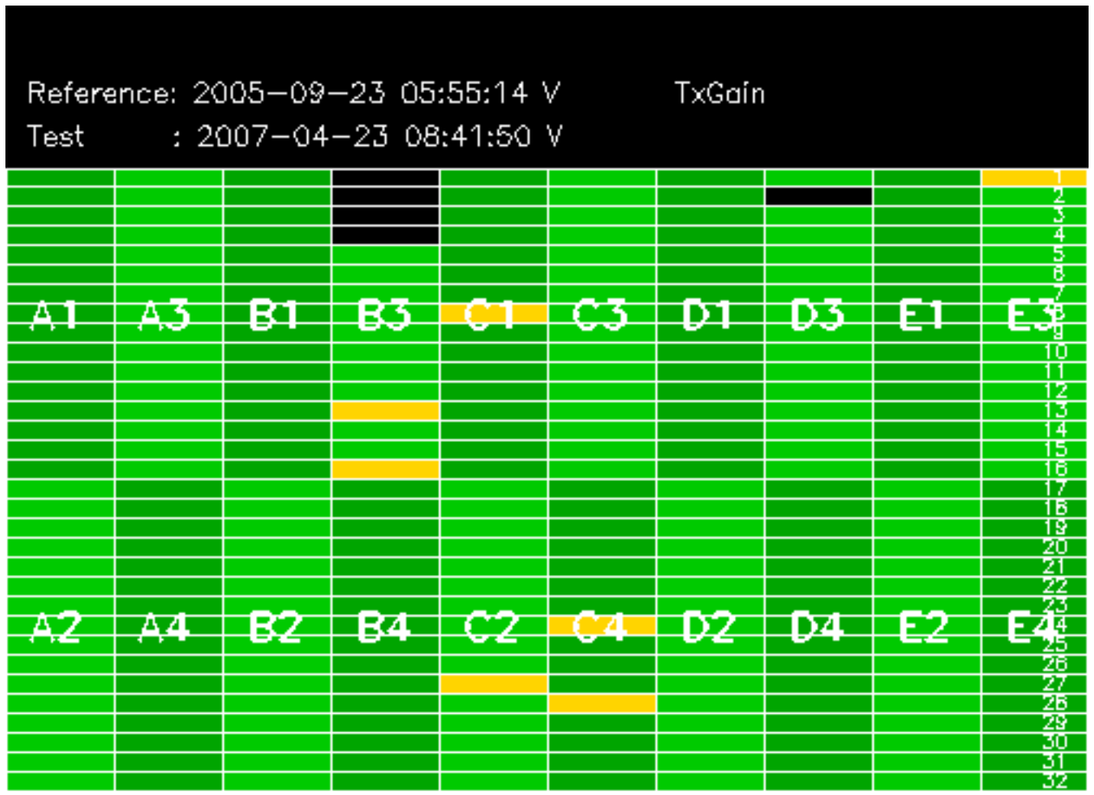
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-23 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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Summary of analysis for the last 3 days 2007042[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20070422_132003_000001872057_00282_26889_8760.N1 </td> <td>0 </td> <td>30 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070422_145255_000003082057_00283_26890_8885.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070423_080100_000001442057_00293_26900_9584.N1 </td> <td>0 </td> <td>13 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070421_010149_000001412057_00260_26867_0194.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070421_051735_000002012057_00263_26870_0558.N1 </td> <td>0 </td> <td>45 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20070421_184505_000000852057_00271_26878_0922.N1 </td> <td>0 </td> <td>56 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070422_145121_000000852057_00283_26890_2353.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070422_171455_000001832057_00284_26891_2412.N1 </td> <td>0 </td> <td>44 </td></tr>
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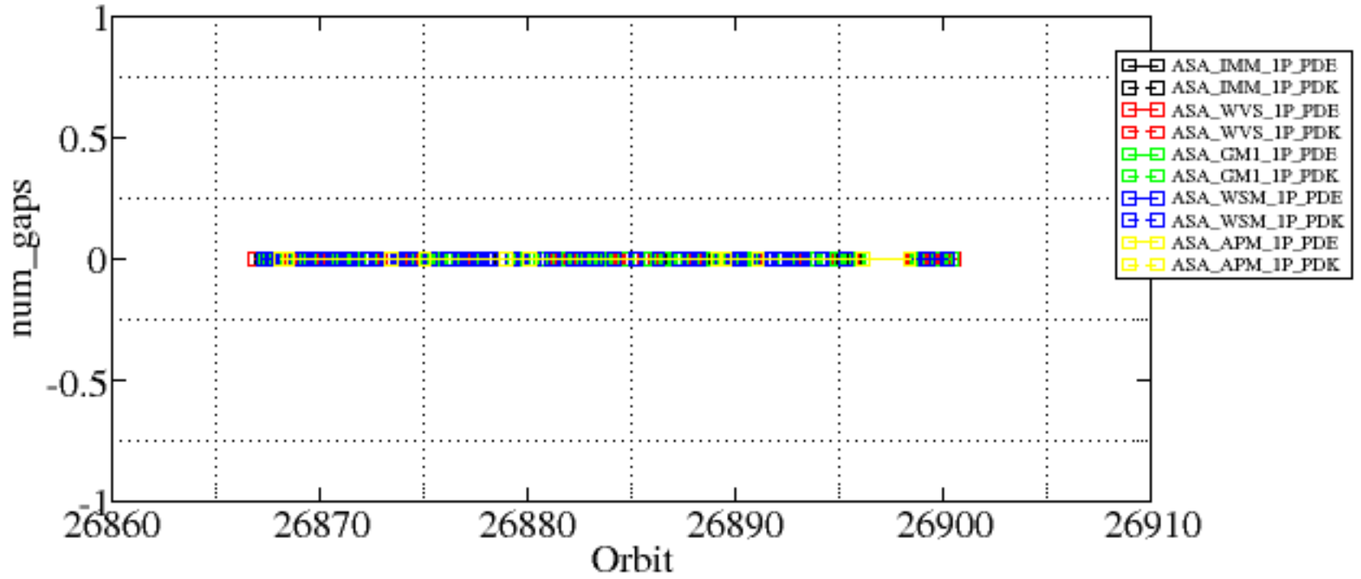
</table>


num_gaps
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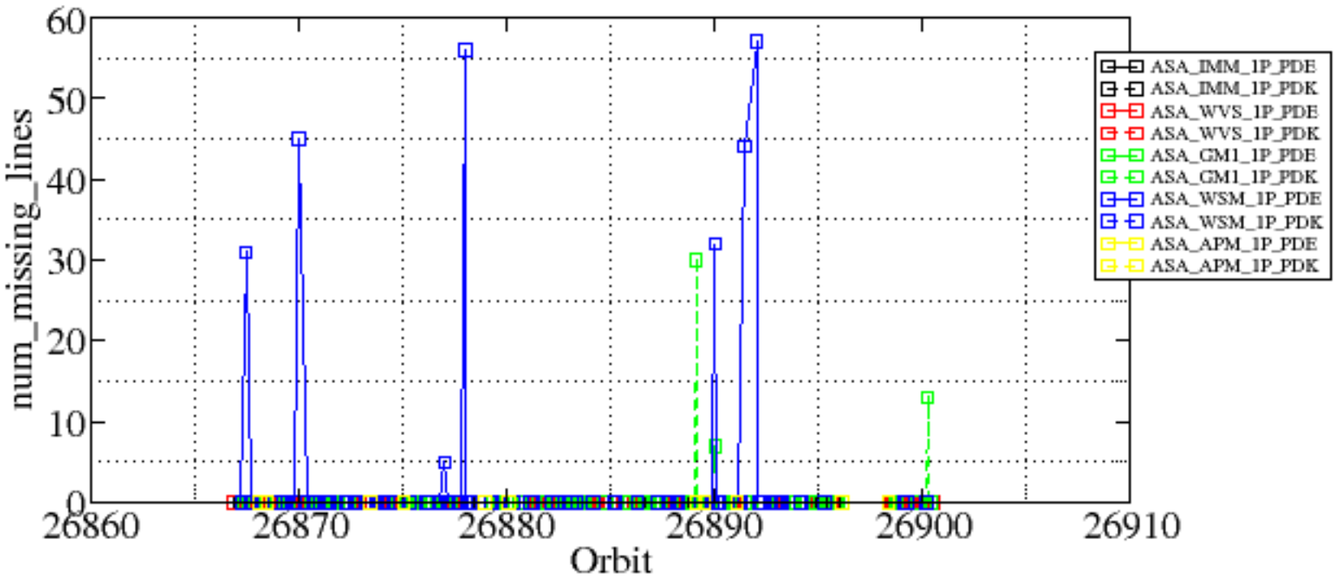
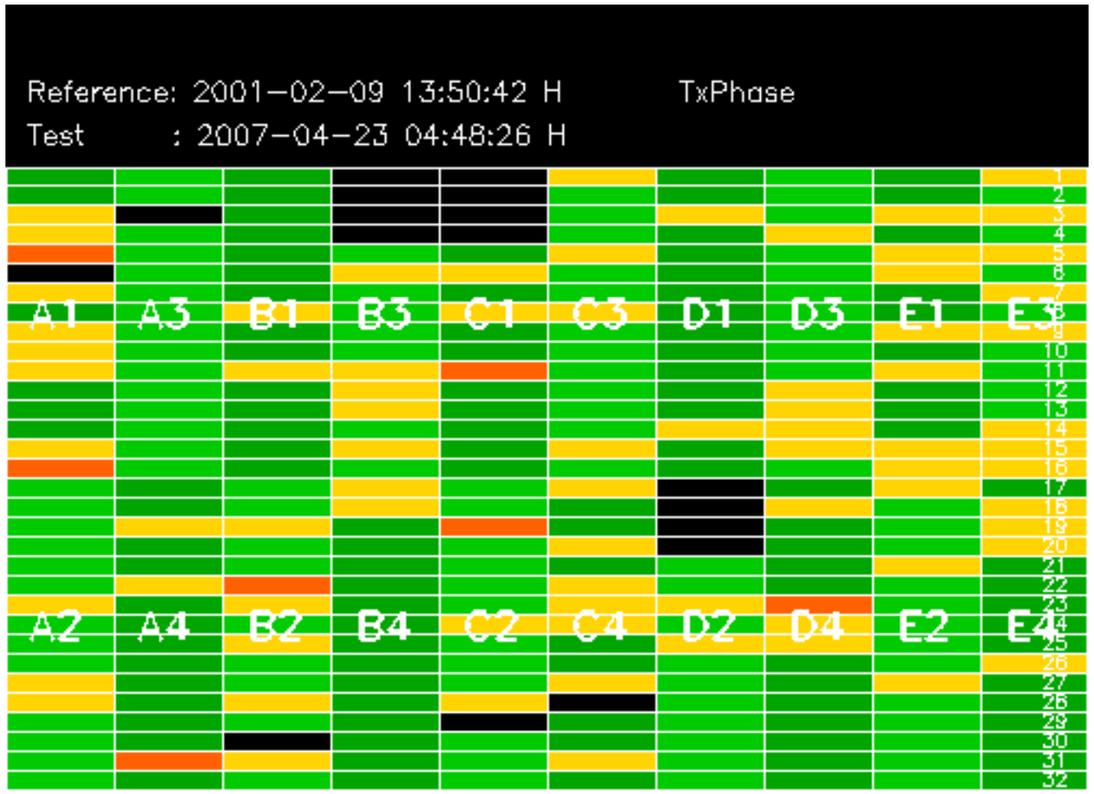
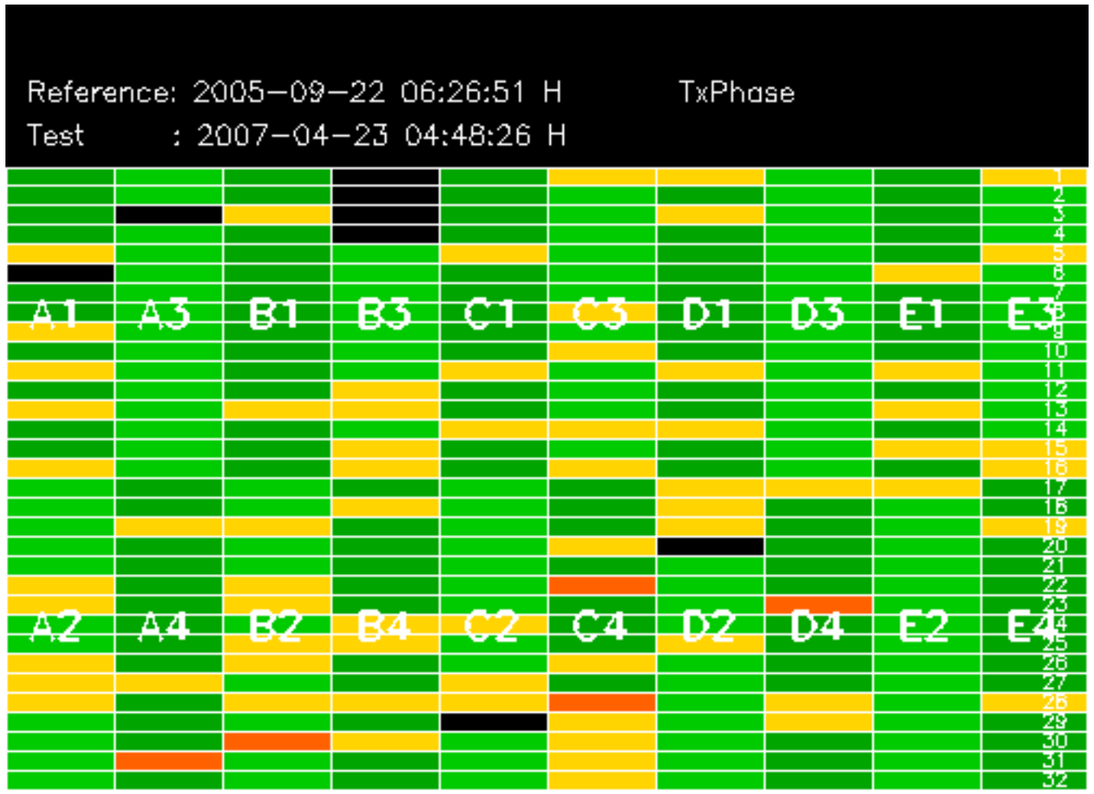
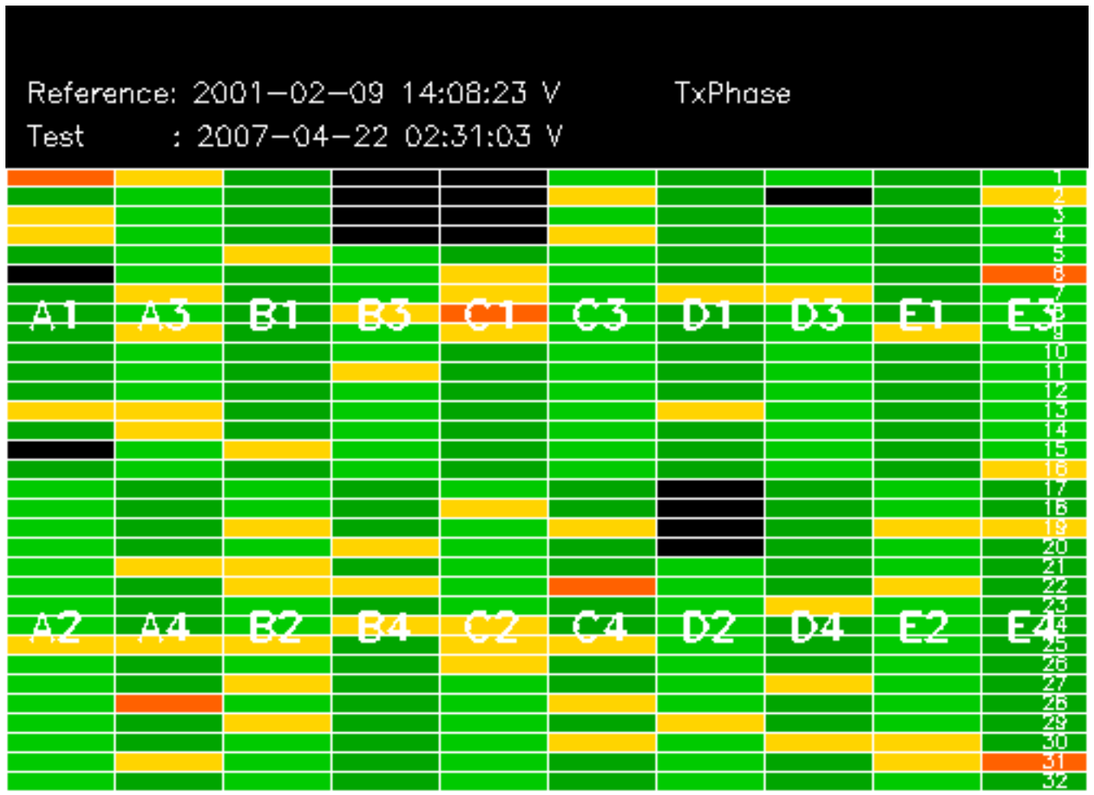
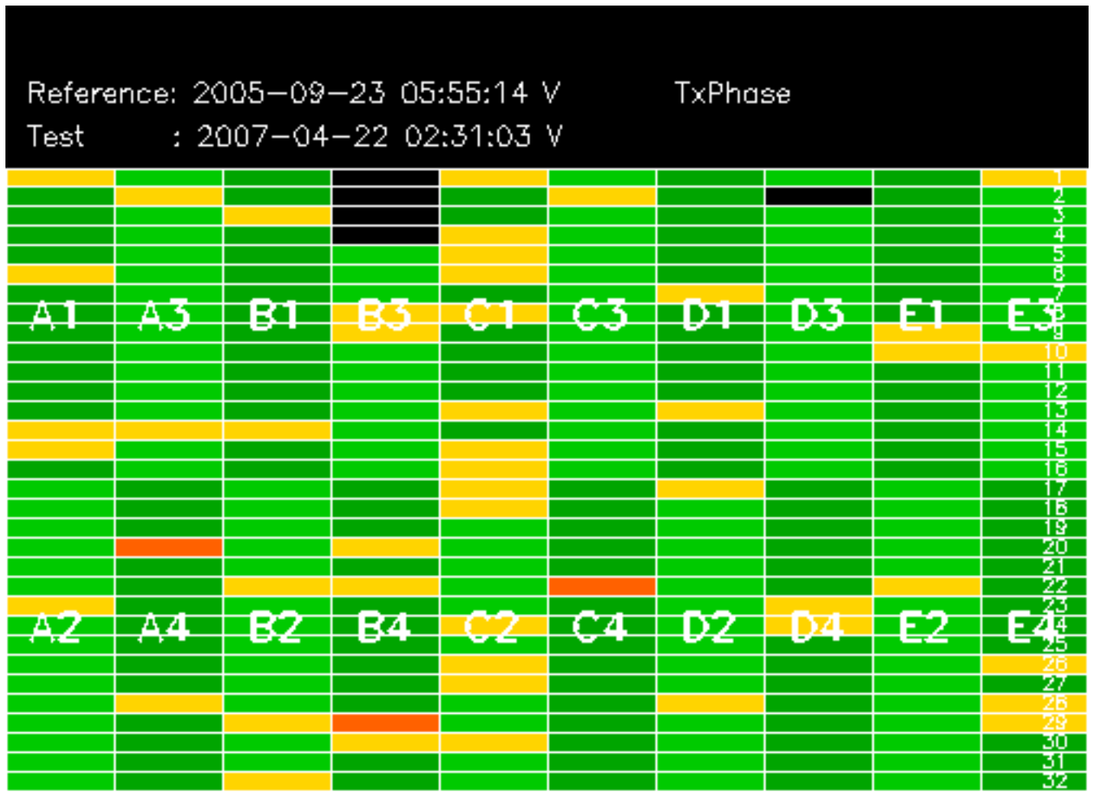
0.5
0
-0.5
-1
26860
26870
26880
26890
26900
26910
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

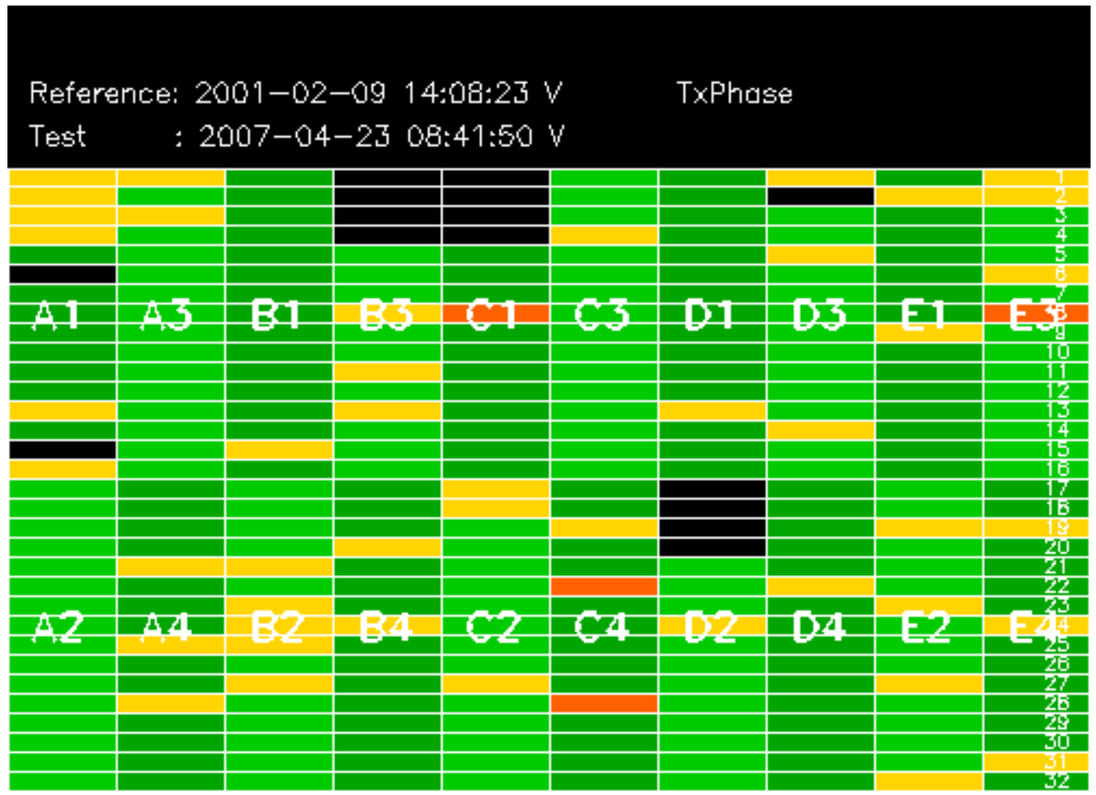

num_missing_lines
60
50
40
30
20
10
0
26860
26870
26880
26890
26900
26910
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-04-23 04:48:26 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: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-04-23 04:48:26 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
TxPhase
Test : 2007-04-22 02:31:03 V
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 : 2007-04-22 02:31:03 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: 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
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14
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21
22
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26
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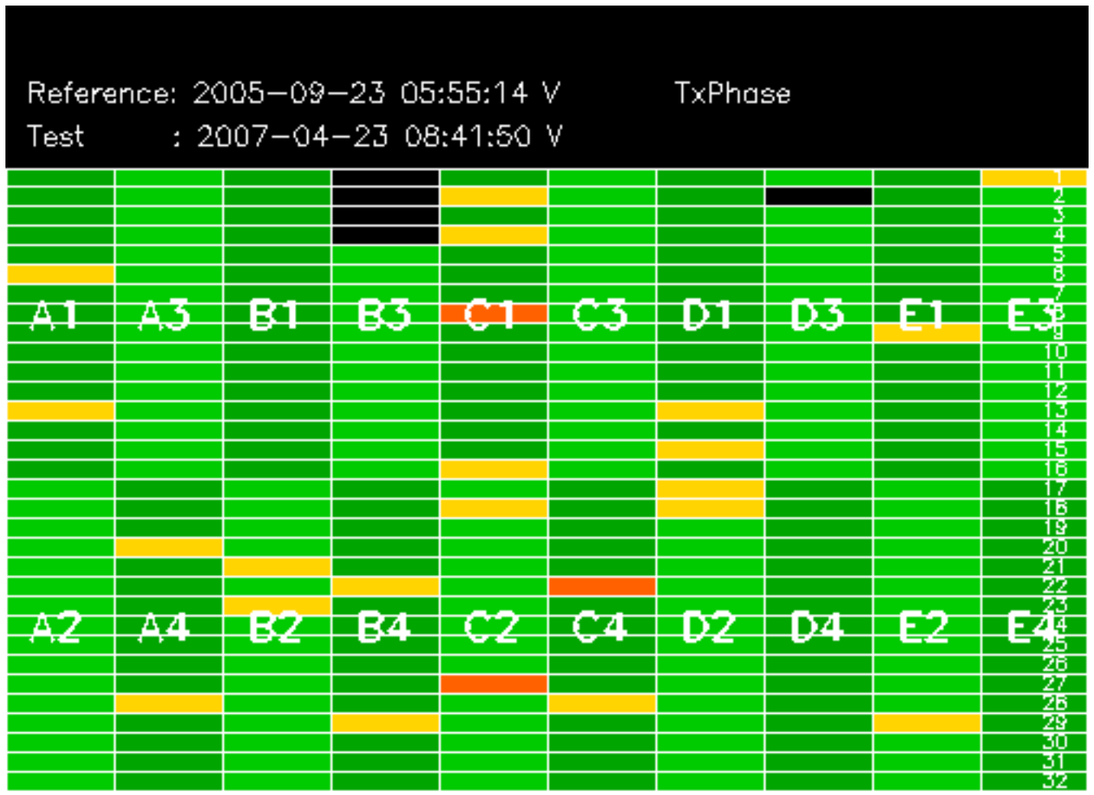
29
30
31
32


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
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4
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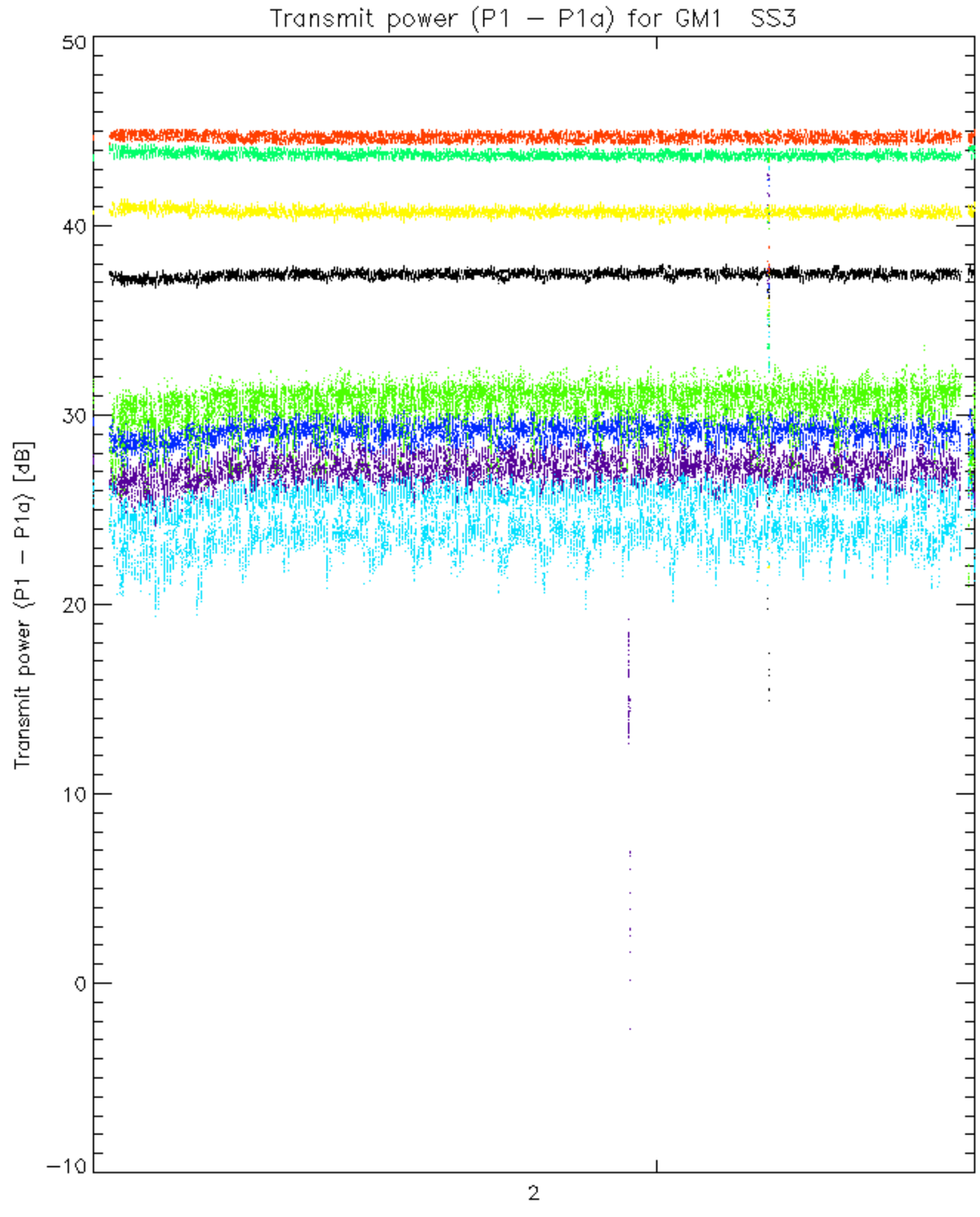
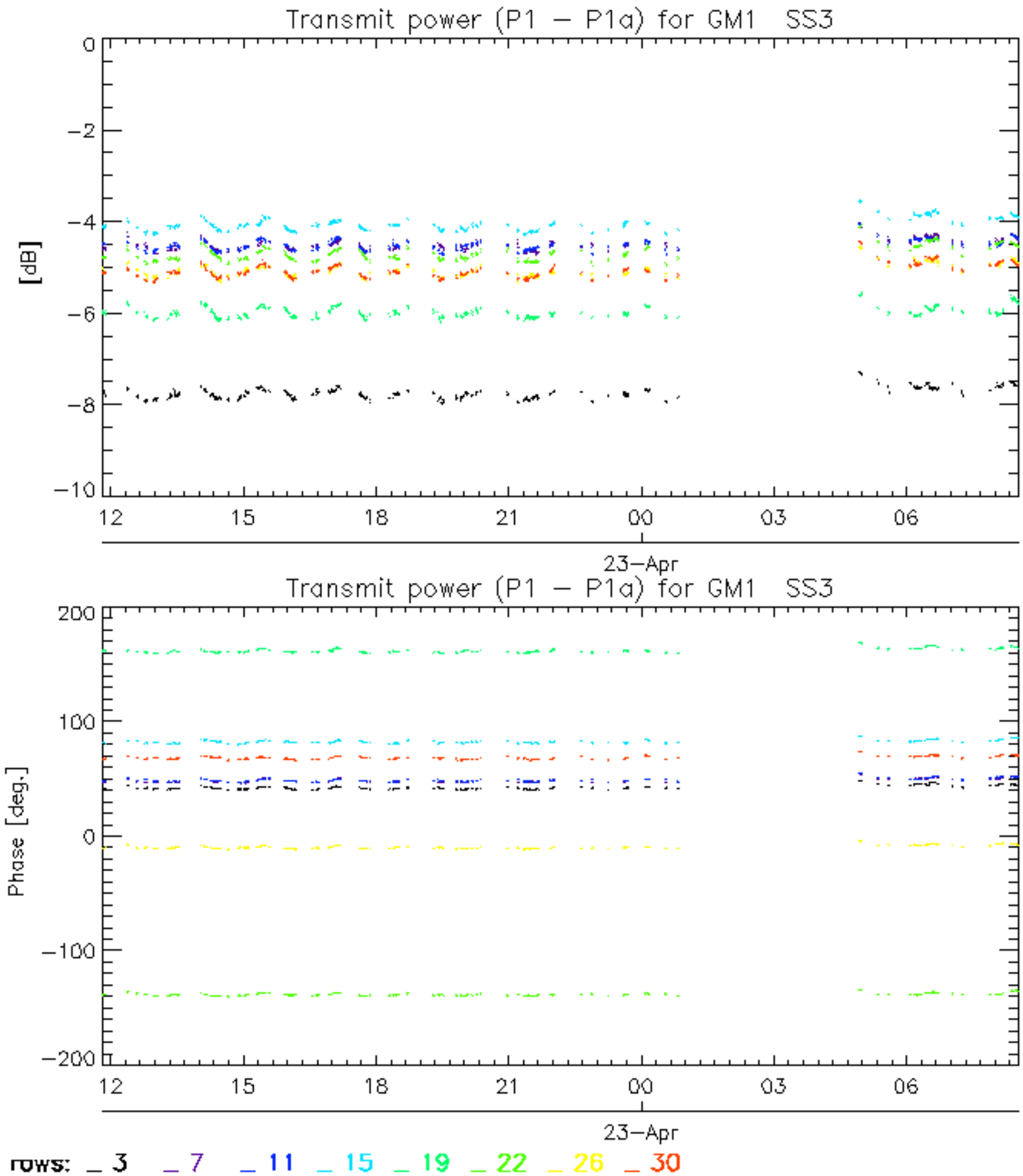
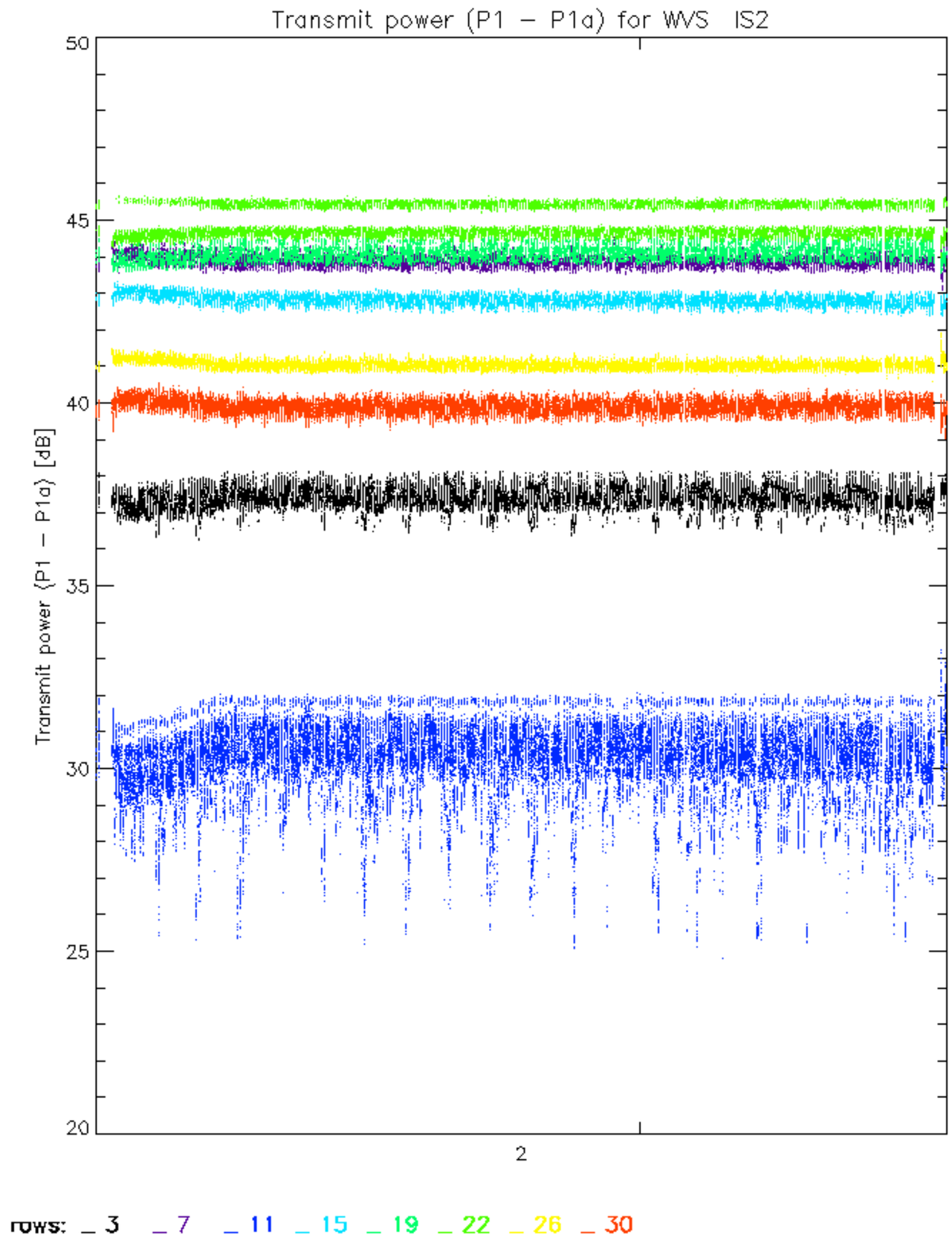
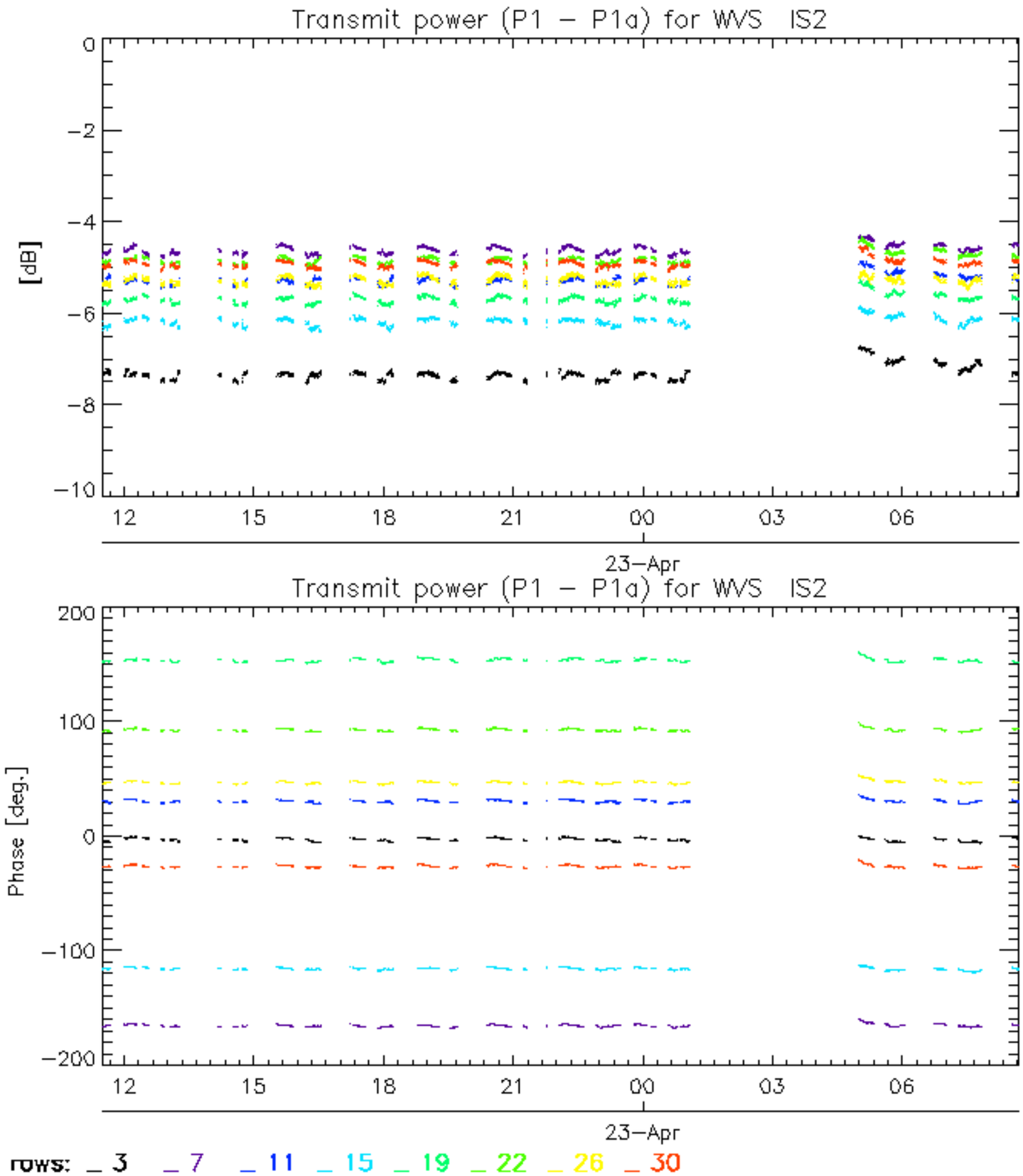

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
12
15
18
21
00
03
06
23–Apr
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
12
15
18
21
00
03
06
23–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
12
15
18
21
00
03
06
23–Apr
Transmit power (P1 – P1a) for WVS IS2
Phase [deg.]
200
100
0
−100
−200
12
15
18
21
00
03
06
23–Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.