PRELIMINARY REPORT OF 070503

last update on Thu May 3 21:13:11 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 2007-05-02 00:00:00 to 2007-05-03 21:13:11

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	47	89	12	0	22
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	47	89	12	0	22
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	47	89	12	0	22
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	89	12	0	22

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	45	63	36	4	85
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	45	63	36	4	85
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	63	36	4	85
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	63	36	4	85

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	20070503 100805
H	20070502 071830

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
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P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.107565	0.146548	-0.219799
7	P1a	-17.557878	0.098056	-0.079492
11	P1a	-17.530466	0.359193	-0.656055
15	P1a	-13.024436	0.129101	-0.361809
19	P1a	-15.352405	0.071104	-0.300122
22	P1a	-15.925481	0.408170	-0.321685
26	P1a	-15.012420	0.217460	0.337864
30	P1a	-17.733582	0.351091	-0.601008

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.772343	0.010491	-0.053492
7	P1	-3.148612	0.008873	-0.016053
11	P1	-4.209518	0.012394	-0.011590
15	P1	-6.416385	0.019988	-0.133398
19	P1	-3.782725	0.011108	0.034651
22	P1	-4.749373	0.009504	-0.024658
26	P1	-3.916394	0.019533	0.063410
30	P1	-5.967586	0.009383	0.012149

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.659487	0.090768	-0.000577
7	P2	-21.554649	0.089257	0.104953
11	P2	-15.344327	0.117466	0.188816
15	P2	-7.128687	0.088598	-0.027392
19	P2	-9.118353	0.080354	0.003960
22	P2	-18.086582	0.076955	0.005139
26	P2	-16.623236	0.081796	-0.070181
30	P2	-19.274252	0.082309	0.047067

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245162	0.005252	-0.006635
7	P3	-8.245162	0.005252	-0.006635
11	P3	-8.245162	0.005252	-0.006635
15	P3	-8.245162	0.005252	-0.006635
19	P3	-8.245162	0.005252	-0.006635
22	P3	-8.245162	0.005252	-0.006635
26	P3	-8.245162	0.005252	-0.006635
30	P3	-8.245162	0.005252	-0.006635

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	-11.210397	0.121142	-0.111269
7	P1a	-10.056611	0.183732	0.053149
11	P1a	-10.686353	0.092797	0.035661
15	P1a	-10.829733	0.162291	0.110118
19	P1a	-15.811017	0.088254	-0.105010
22	P1a	-21.396746	1.450353	-0.358000
26	P1a	-15.508467	0.371200	-0.187737
30	P1a	-18.309690	0.458791	0.147187

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.455024	0.048184	-0.014632
7	P1	-2.404997	0.097395	0.061879
11	P1	-2.886259	0.024016	0.056647
15	P1	-3.815840	0.036557	0.049540
19	P1	-3.589827	0.014636	-0.028373
22	P1	-4.968144	0.023382	0.071833
26	P1	-6.040215	0.026009	-0.049879
30	P1	-5.338746	0.032280	-0.020443

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.182720	0.065209	-0.079237
7	P2	-22.042721	0.185435	-0.045338
11	P2	-10.637643	0.044143	-0.033947
15	P2	-4.925395	0.041480	-0.074230
19	P2	-6.869929	0.040039	-0.021568
22	P2	-8.109282	0.085588	0.012382
26	P2	-24.324020	0.139340	-0.029311
30	P2	-21.710827	0.105102	0.037759

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091424	0.004955	-0.003900
7	P3	-8.091412	0.004959	-0.003587
11	P3	-8.091227	0.004955	-0.003821
15	P3	-8.091161	0.004959	-0.003947
19	P3	-8.091321	0.004977	-0.003783
22	P3	-8.091228	0.004946	-0.003629
26	P3	-8.091256	0.004959	-0.003570
30	P3	-8.091187	0.004949	-0.003605

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	0.000546594
	stdev	1.98787e-07
MEAN Q	mean	0.000497098
	stdev	2.41666e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135727
	stdev	0.00122337
STDEV Q	mean	0.136117
	stdev	0.00124097

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007050[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_IMM_1PNPDE20070502_143310_000000372057_00425_27032_5713.N1	1	0
ASA_WVS_1PNPDK20070501_115225_000002392057_00410_27017_9992.N1	0	16
ASA_GM1_1PNPDK20070501_075015_000001442057_00407_27014_9738.N1	0	99
ASA_GM1_1PNPDK20070501_075523_000006462057_00407_27014_9749.N1	0	13
ASA_GM1_1PNPDK20070501_161314_000009242057_00412_27019_0280.N1	0	60
ASA_GM1_1PNPDK20070502_100004_000001082057_00423_27030_1179.N1	0	6
ASA_WSM_1PNPDE20070501_150736_000001402057_00412_27019_4446.N1	0	36
ASA_WSM_1PNPDE20070502_162039_000002072057_00427_27034_5777.N1	0	15
ASA_WSM_1PNPDE20070502_202012_000000672057_00429_27036_5922.N1	0	63

ASA_WSM_1PNPDE20070503_112609_000001152057_00438_27045_6978.N1	0	42

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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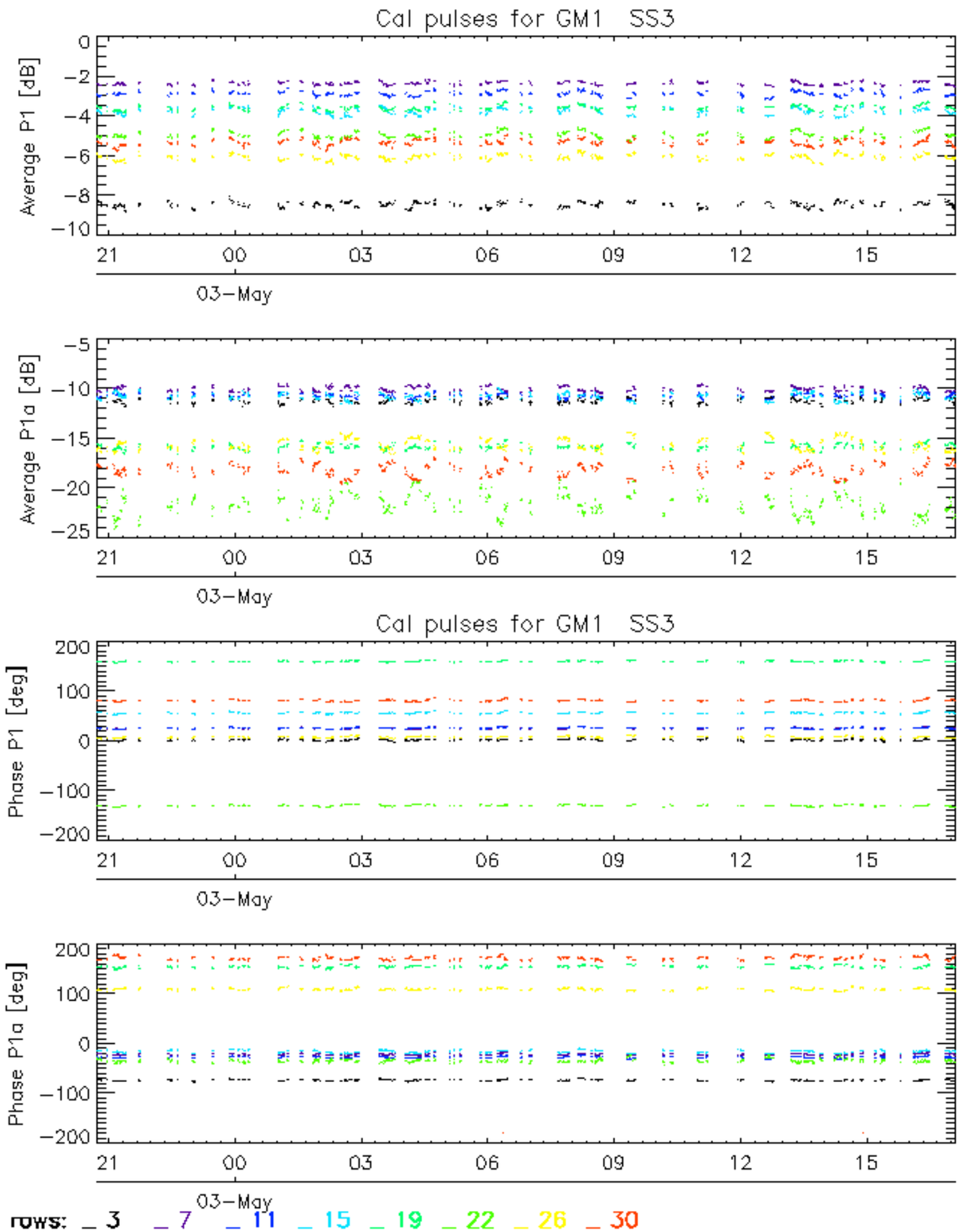
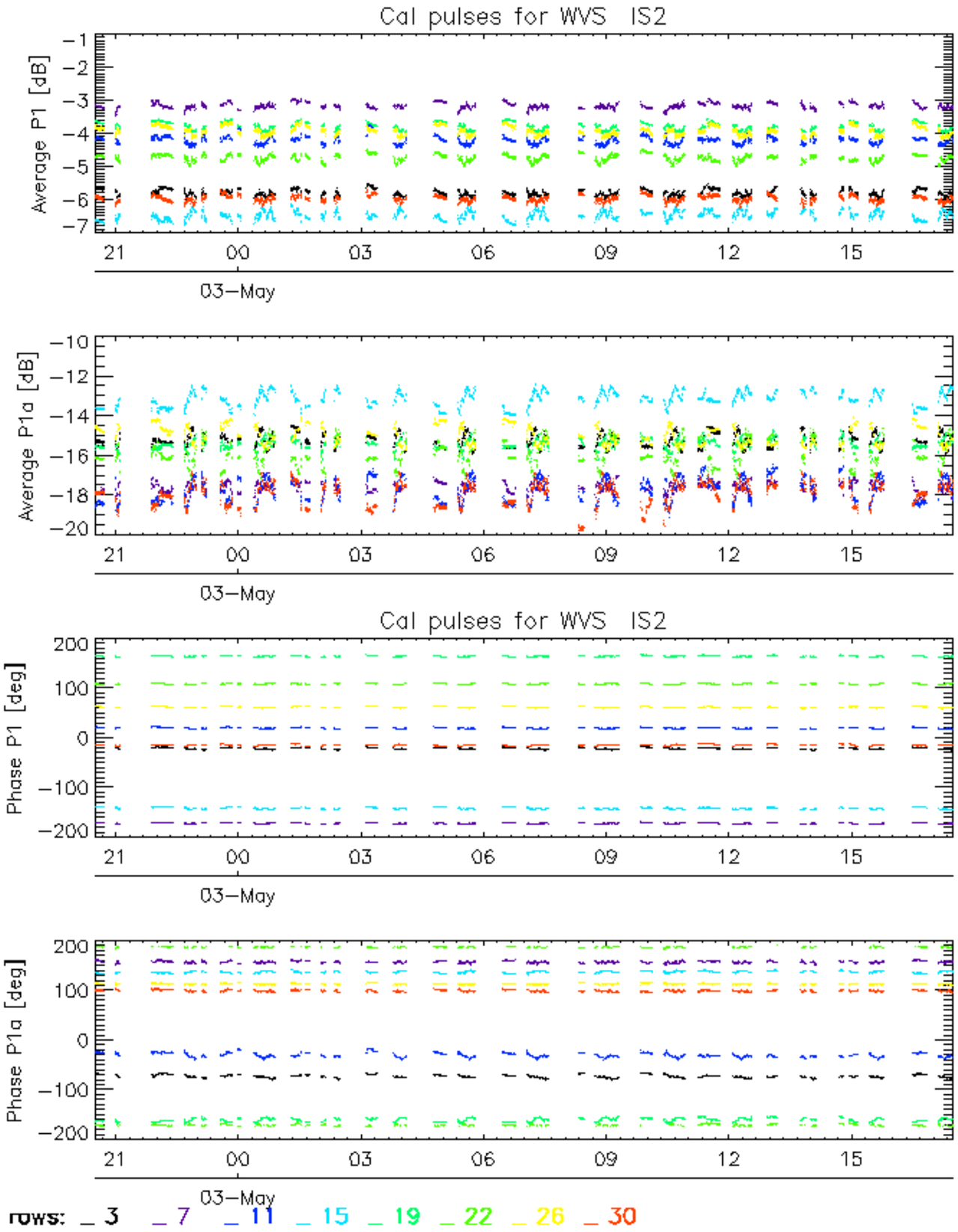
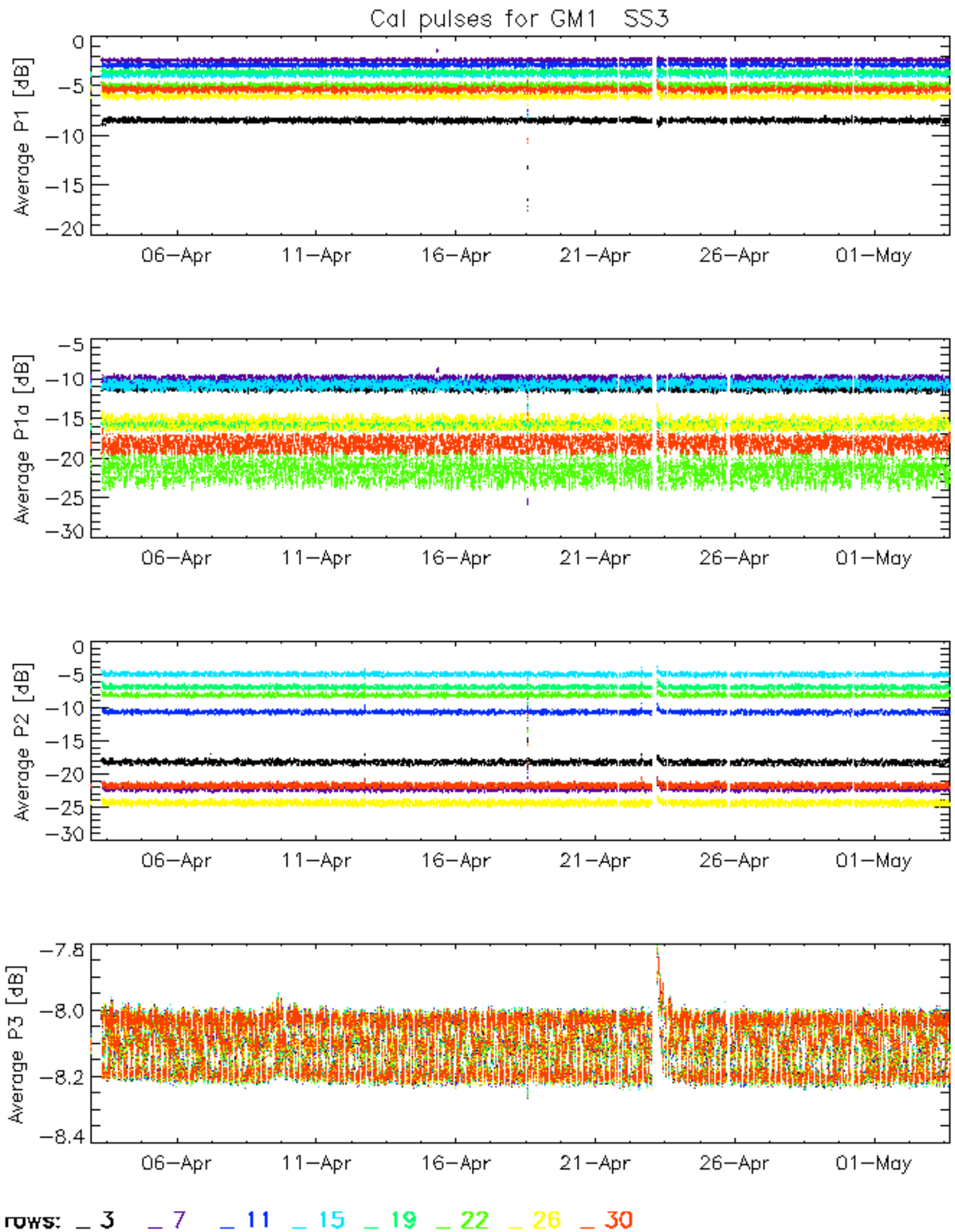
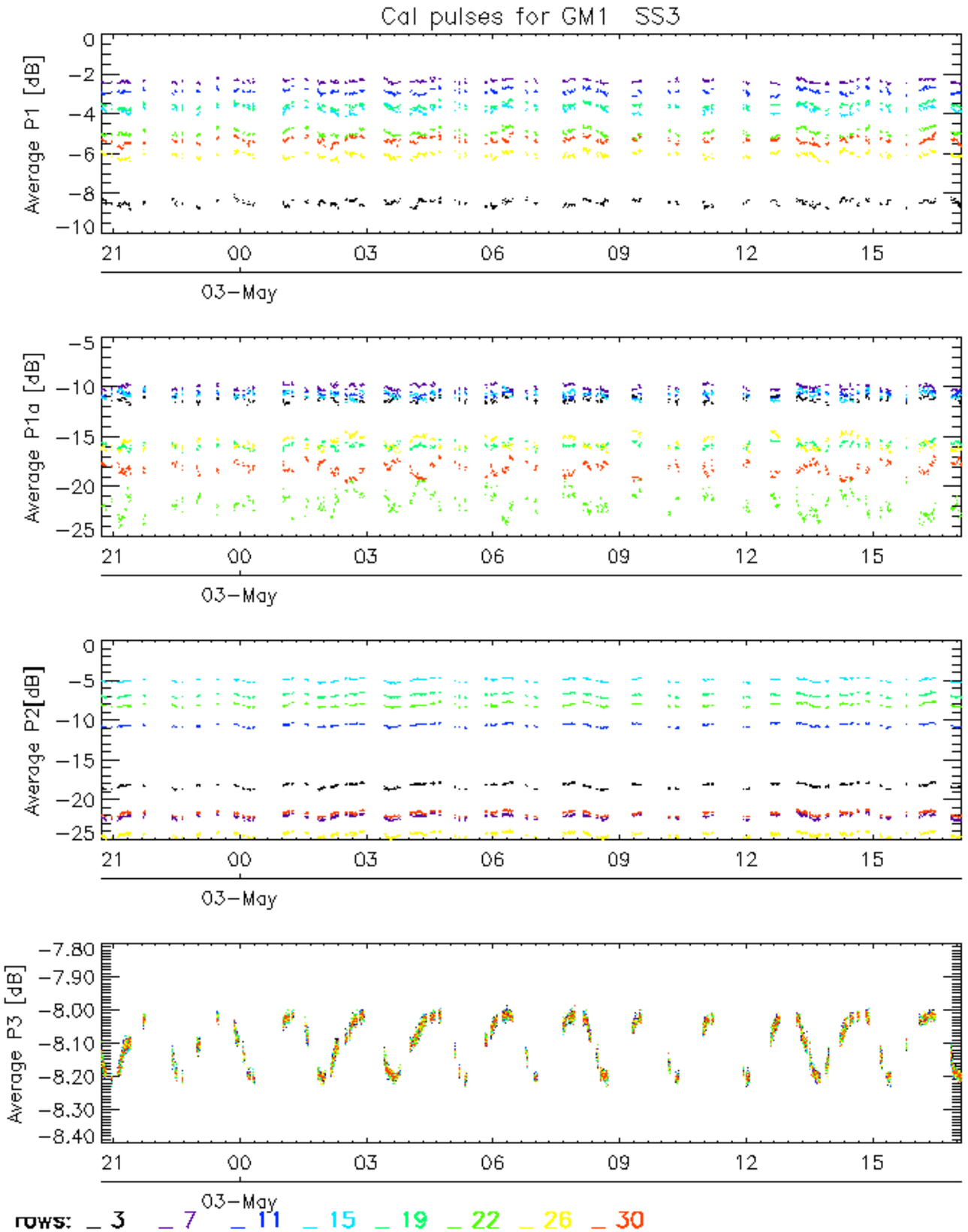
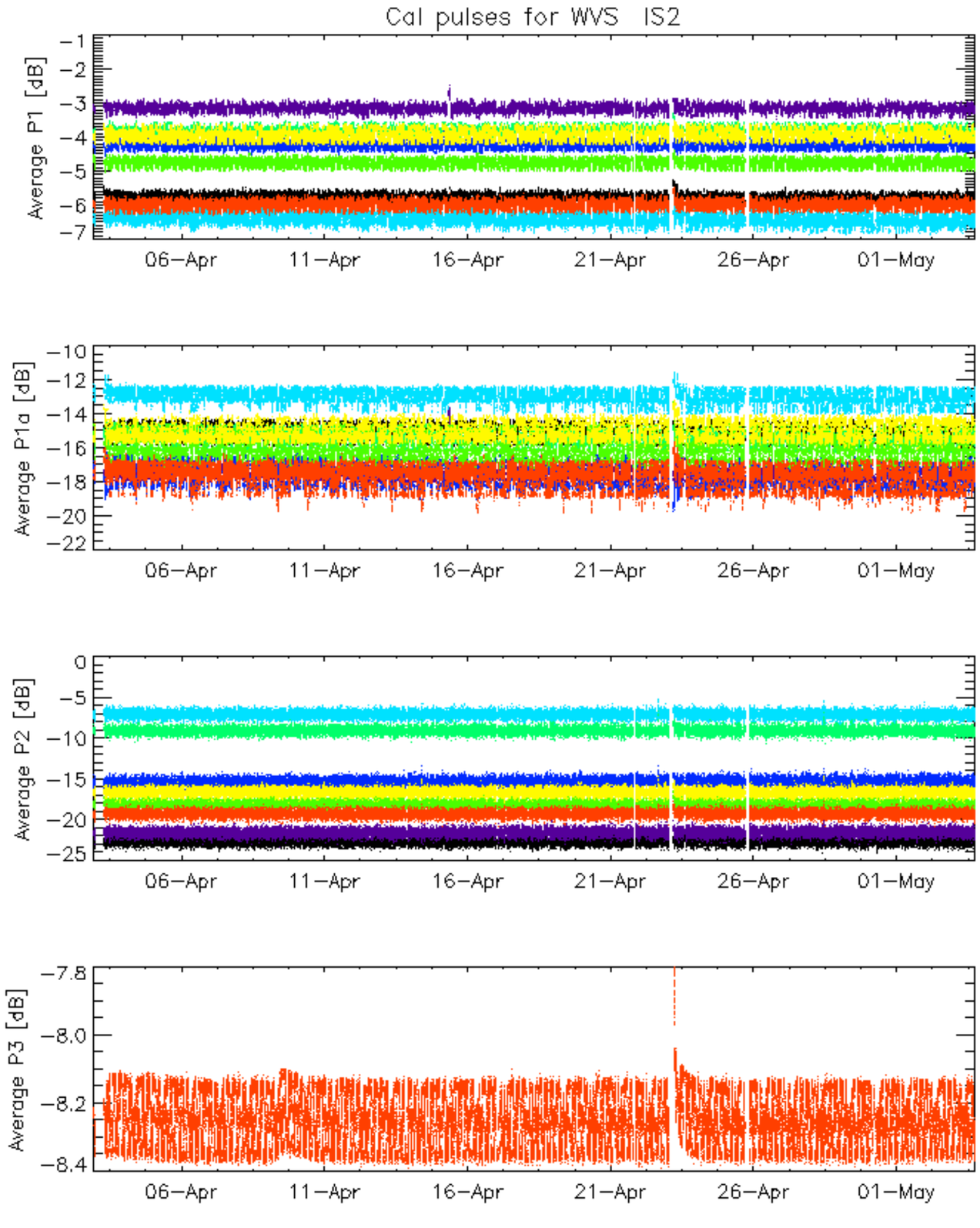
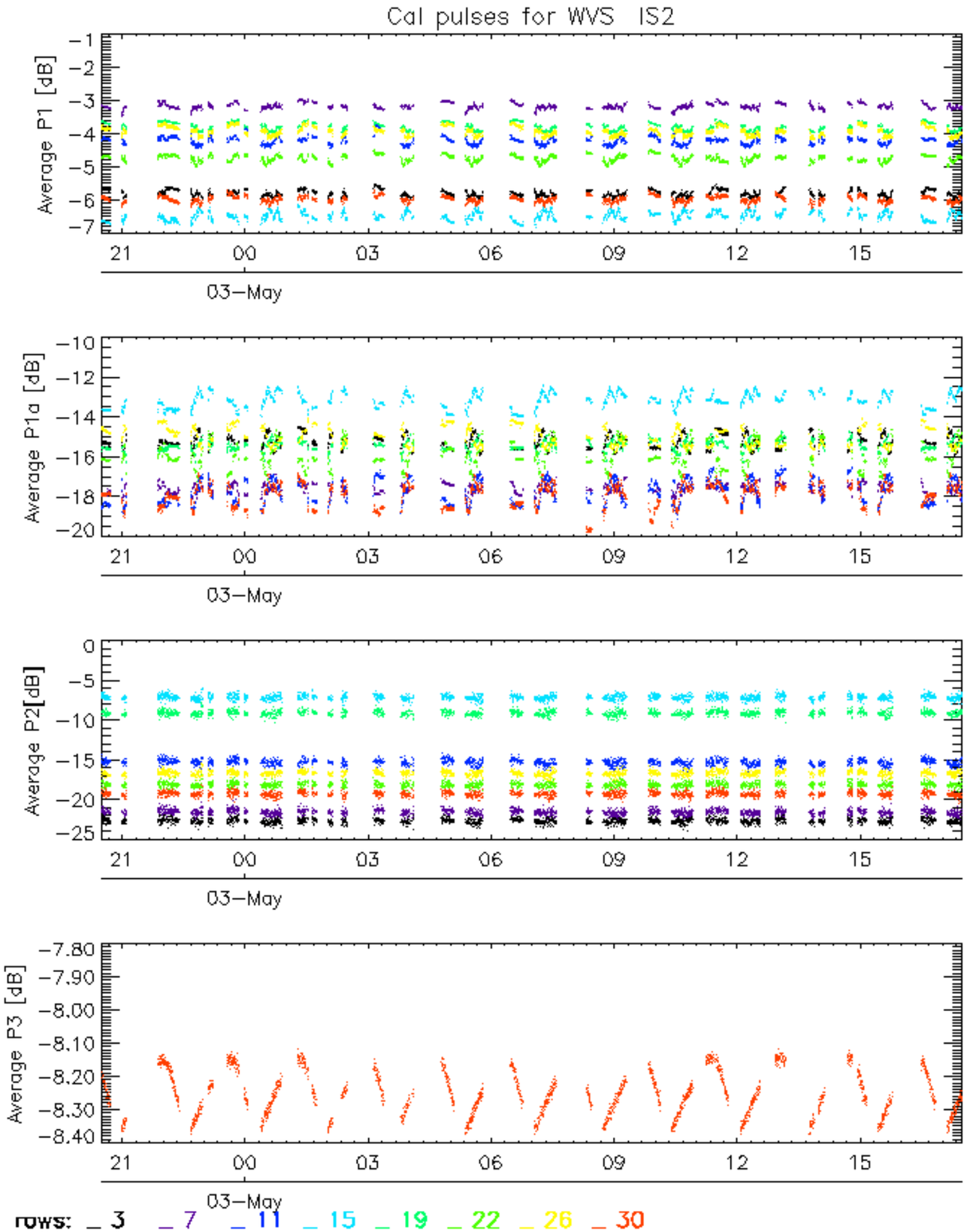

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
21
00
03
06
09
12
15
03−May
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

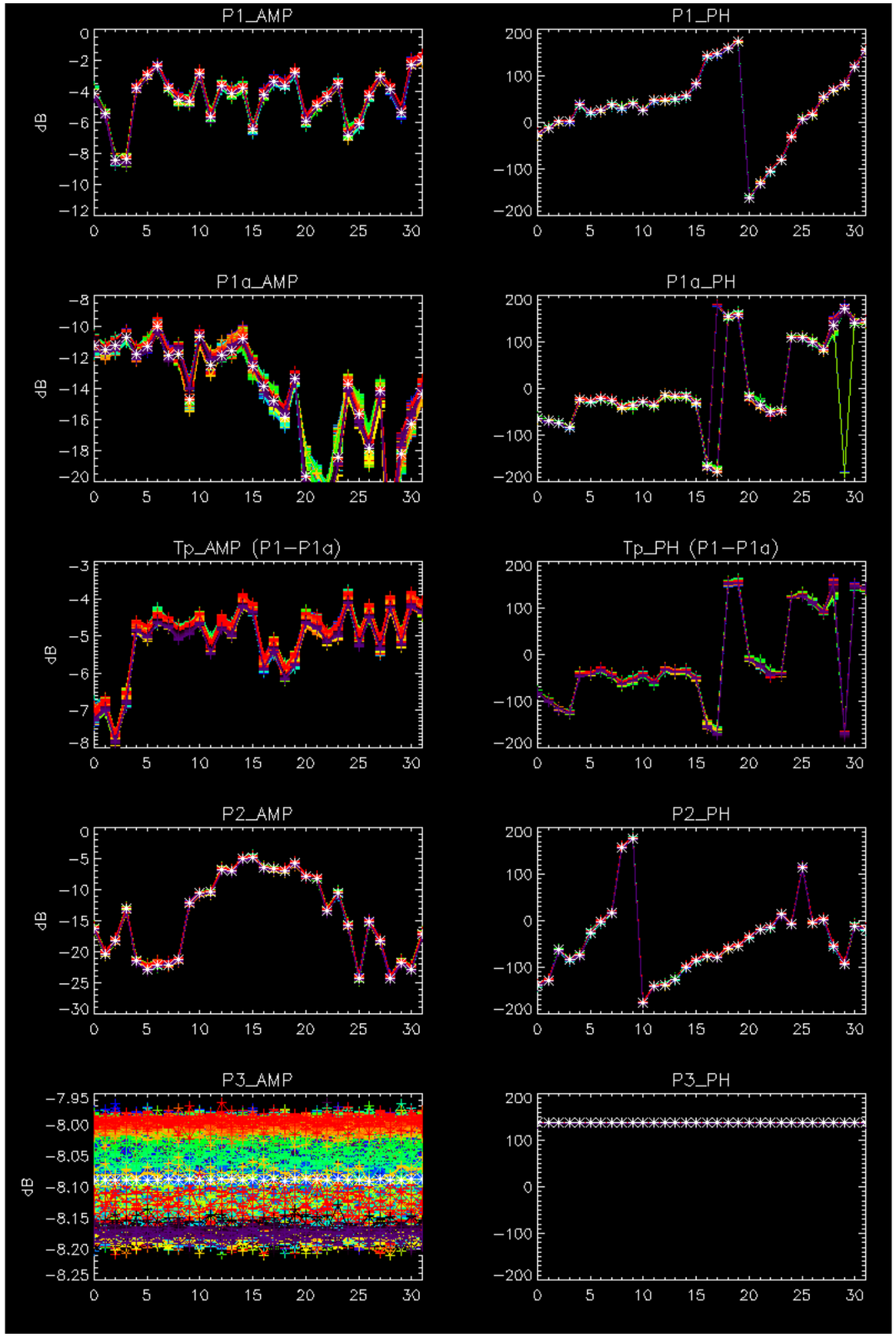

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

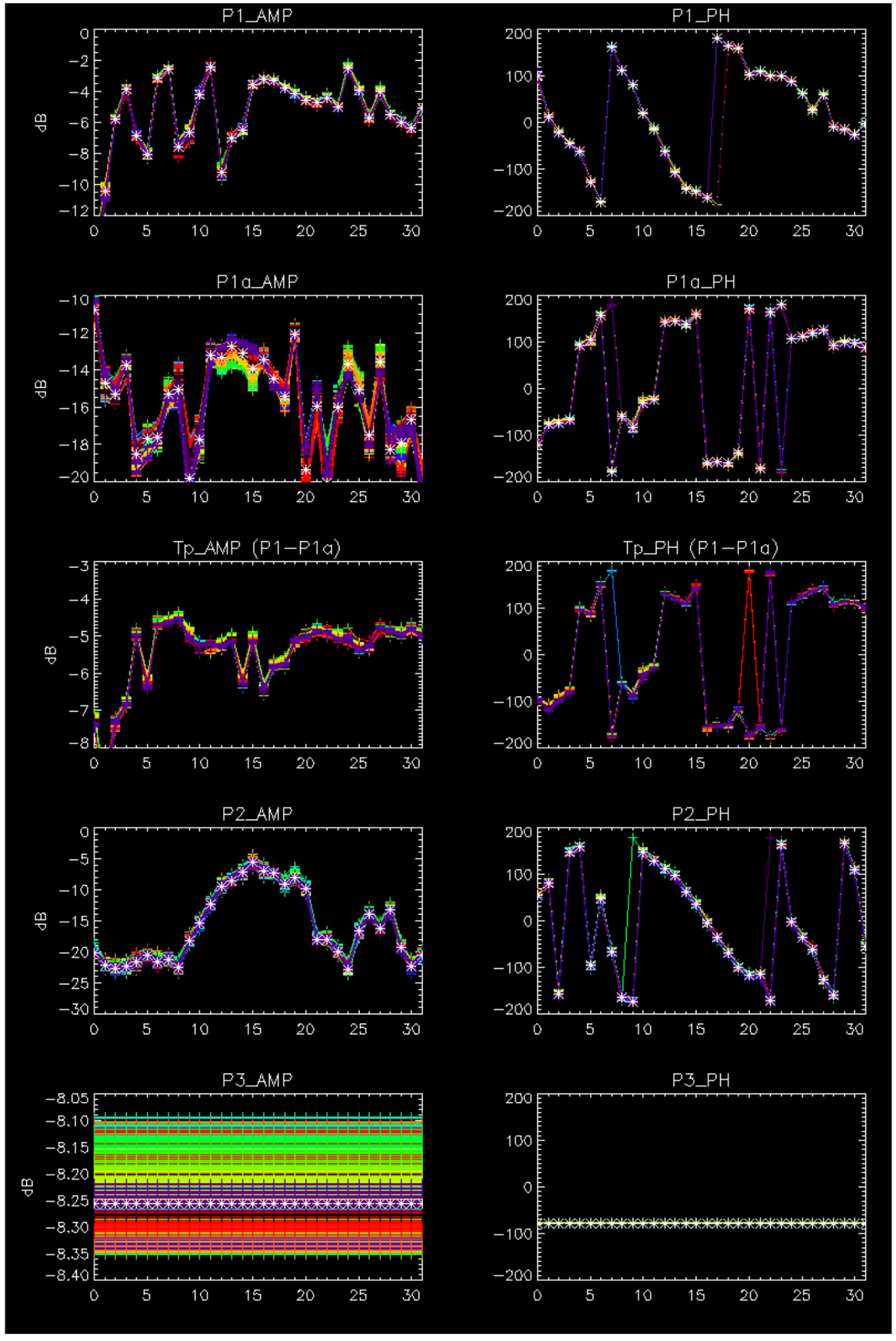

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
21
00
03
06
09
12
15
03−May
Average P1a [dB]
−5
−10
−15
−20
−25
21
00
03
06
09
12
15
03−May
Average P2[dB]
0
−5
−10
−15
−20
−25
21
00
03
06
09
12
15
03−May
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
21
00
03
06
09
12
15
03−May
rows: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


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

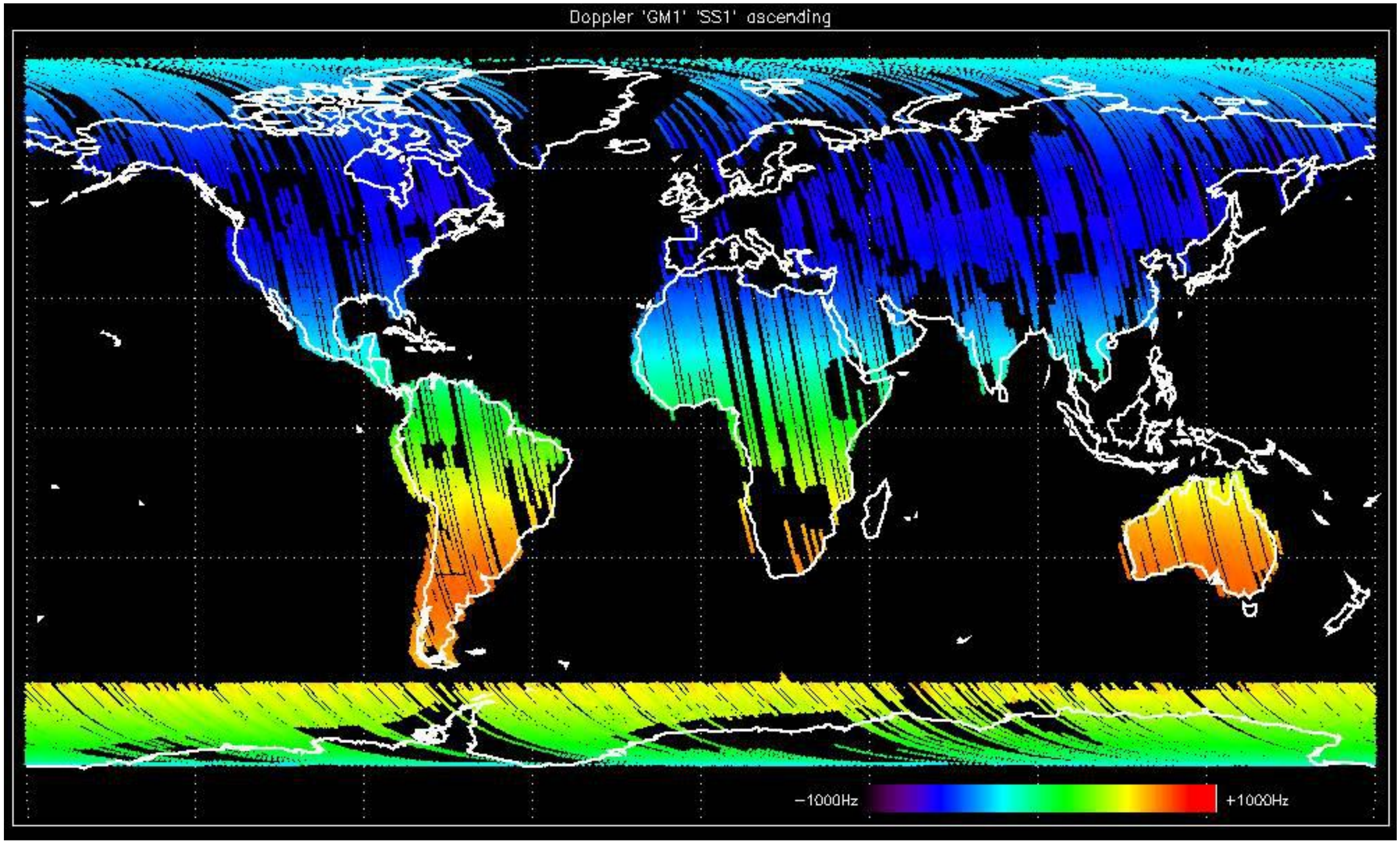
No anomalies observed.

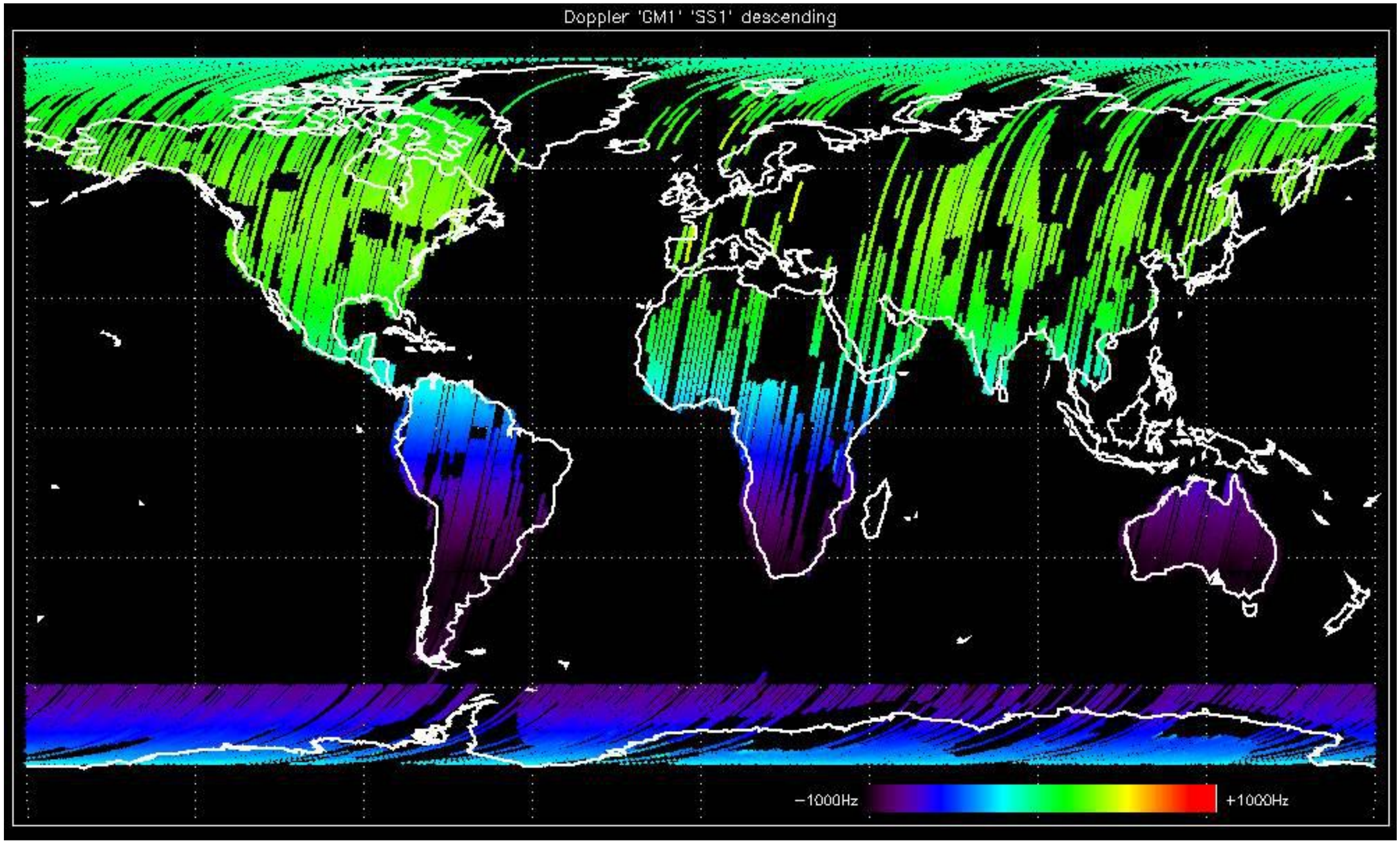

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

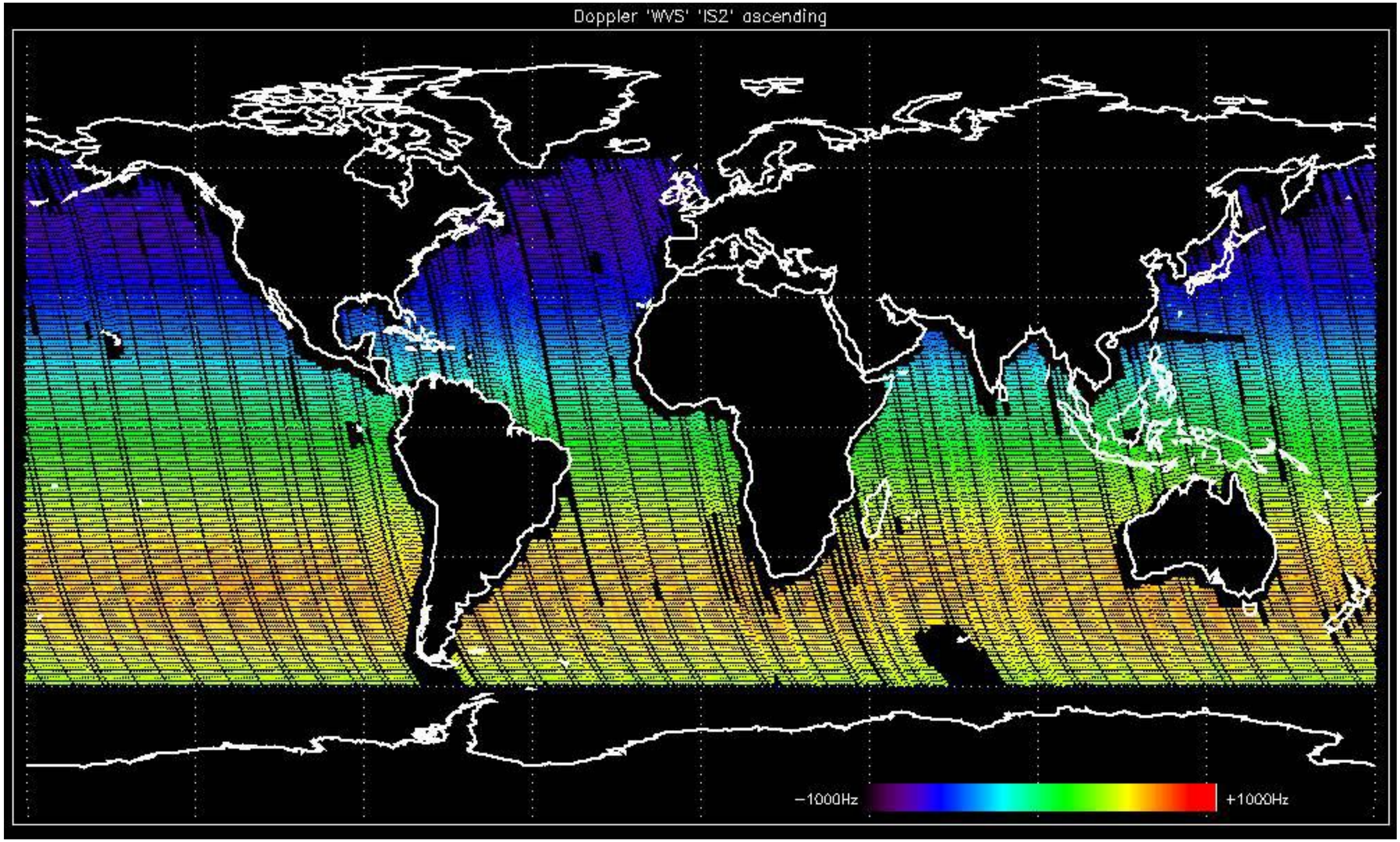

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

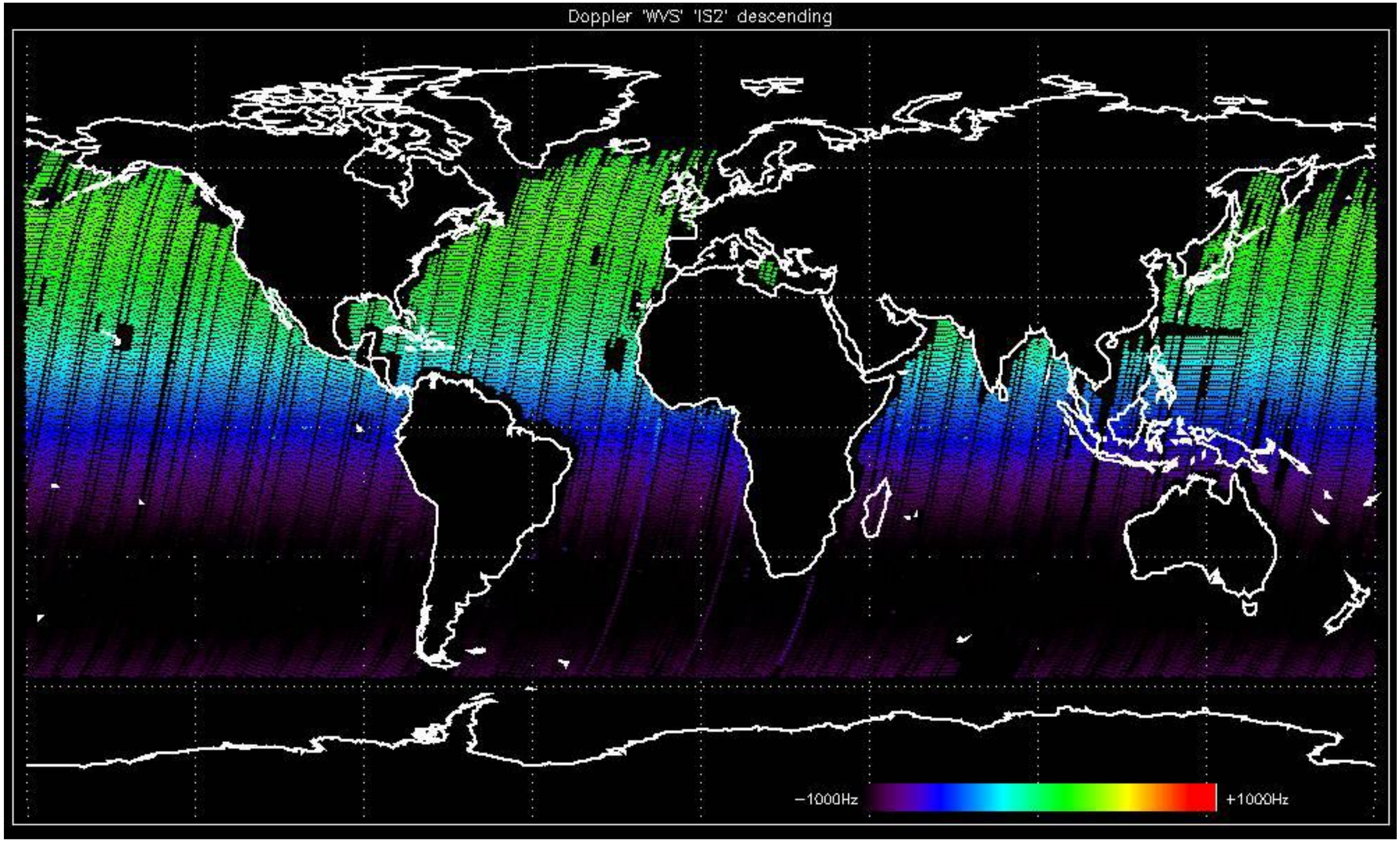
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

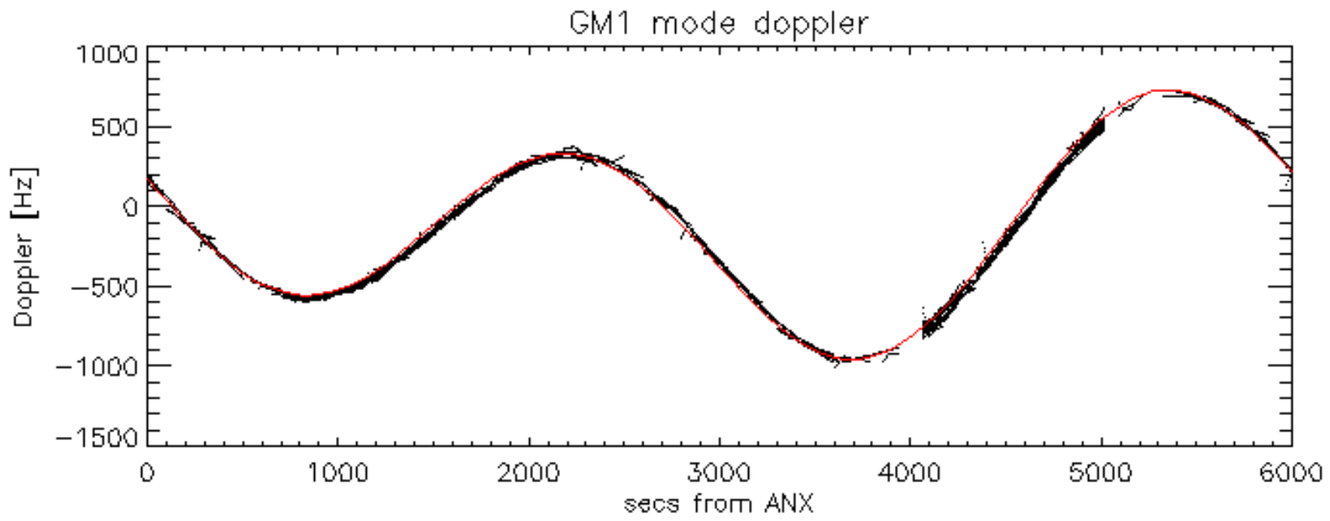
Preliminary report.The data is not yet controled

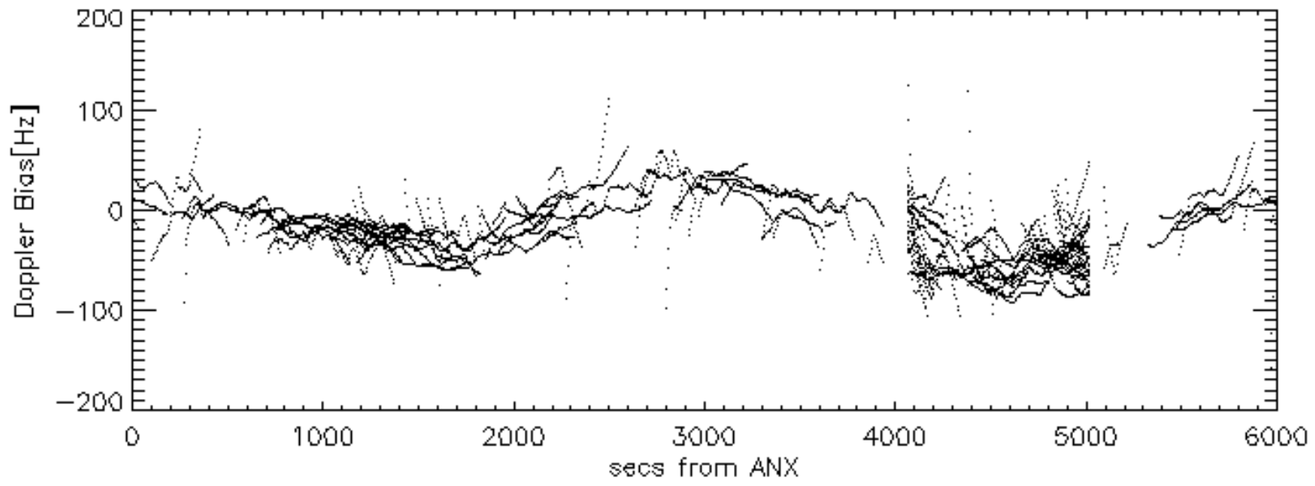

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

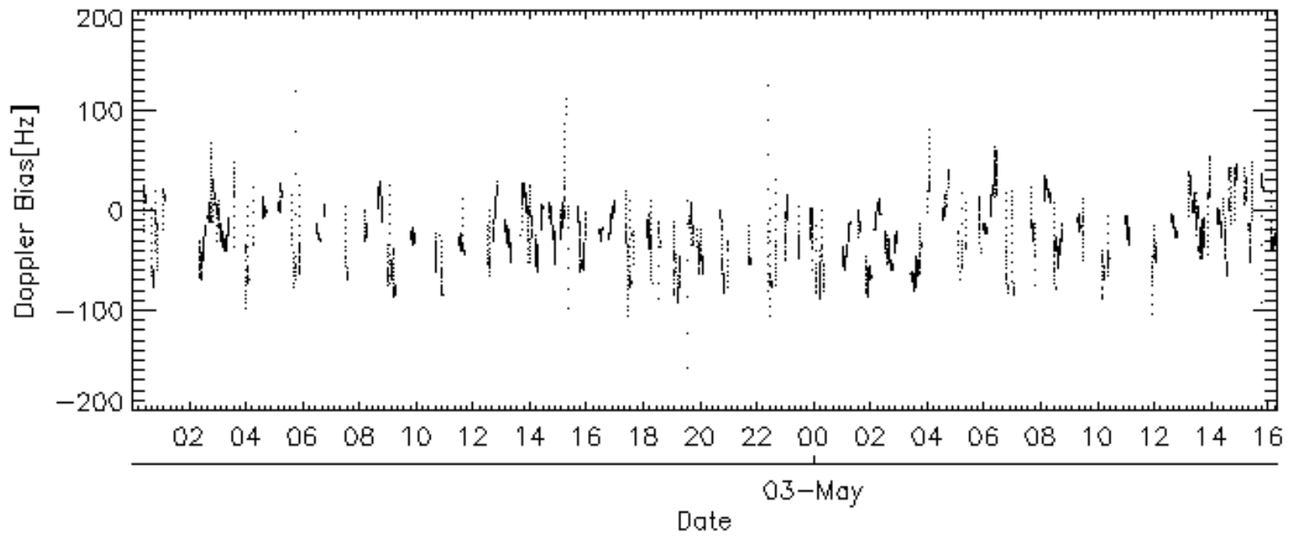

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

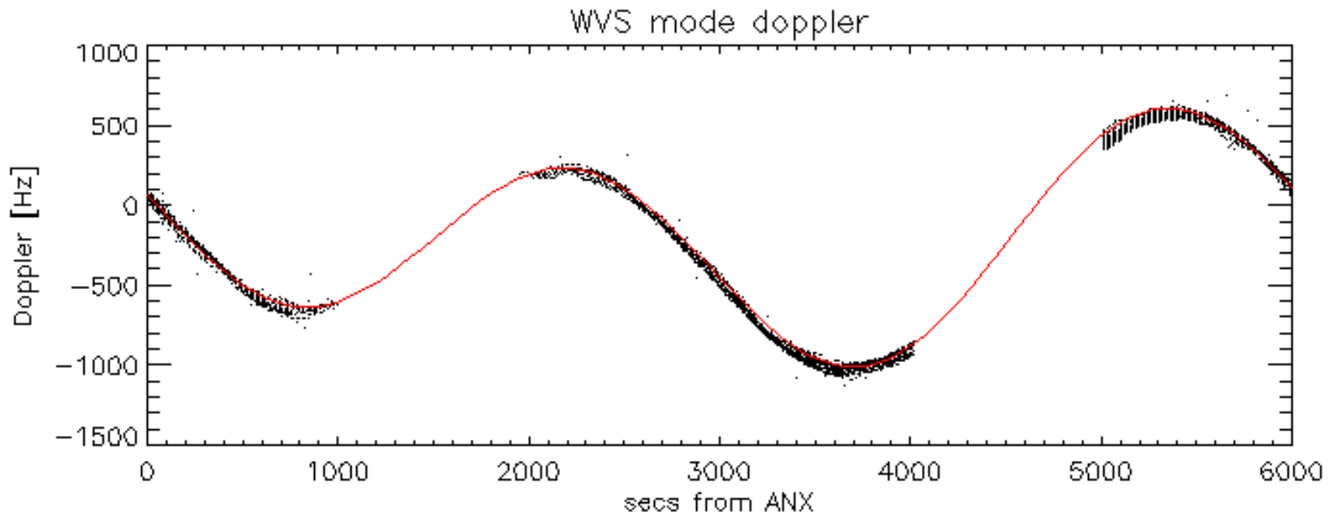

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

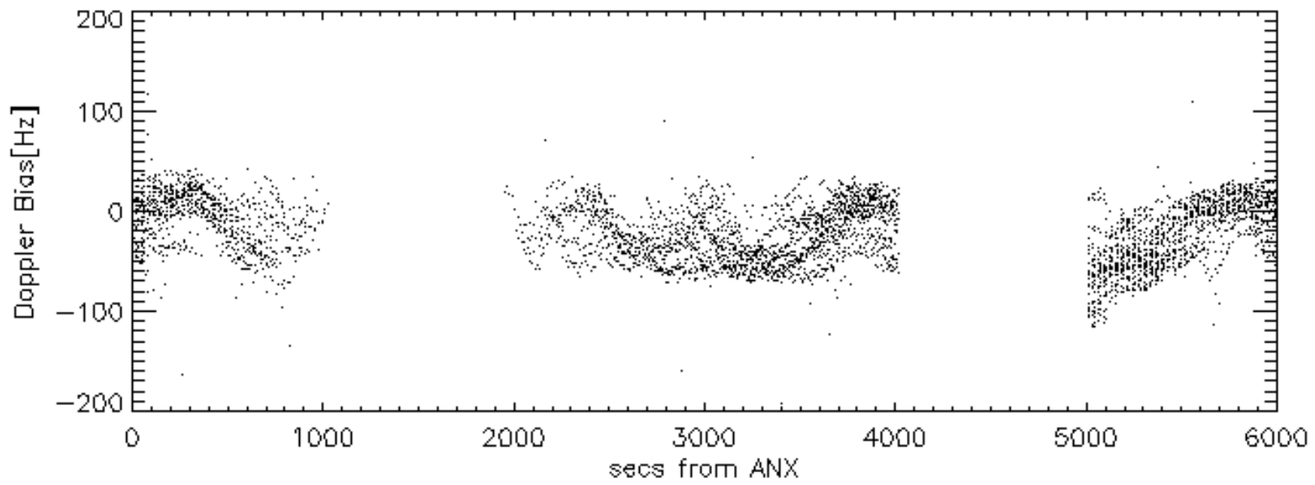

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

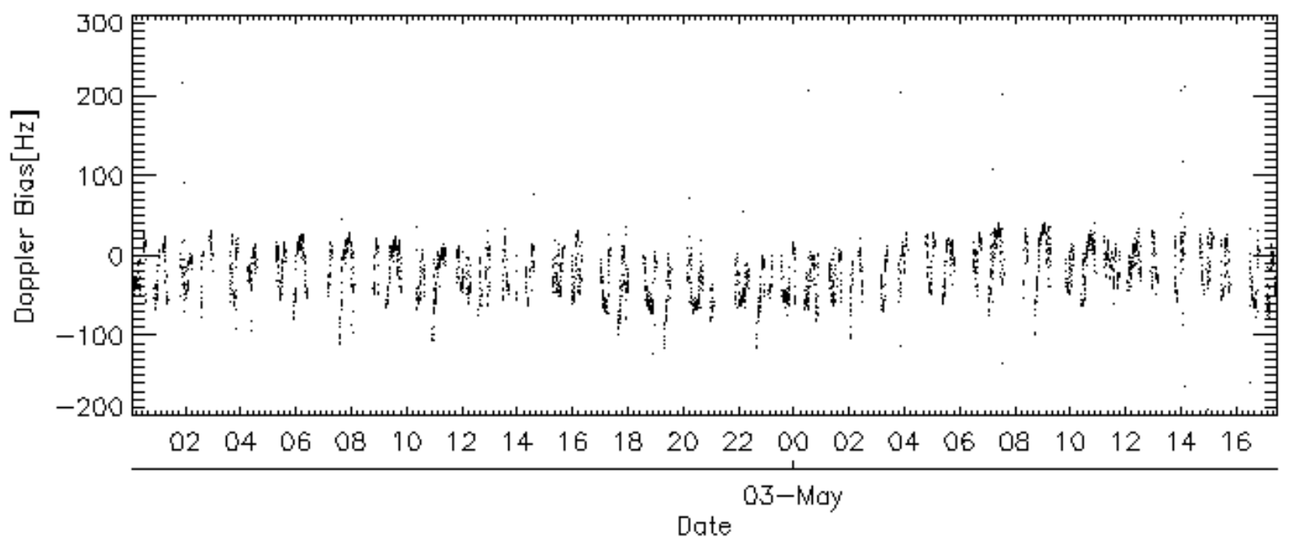

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

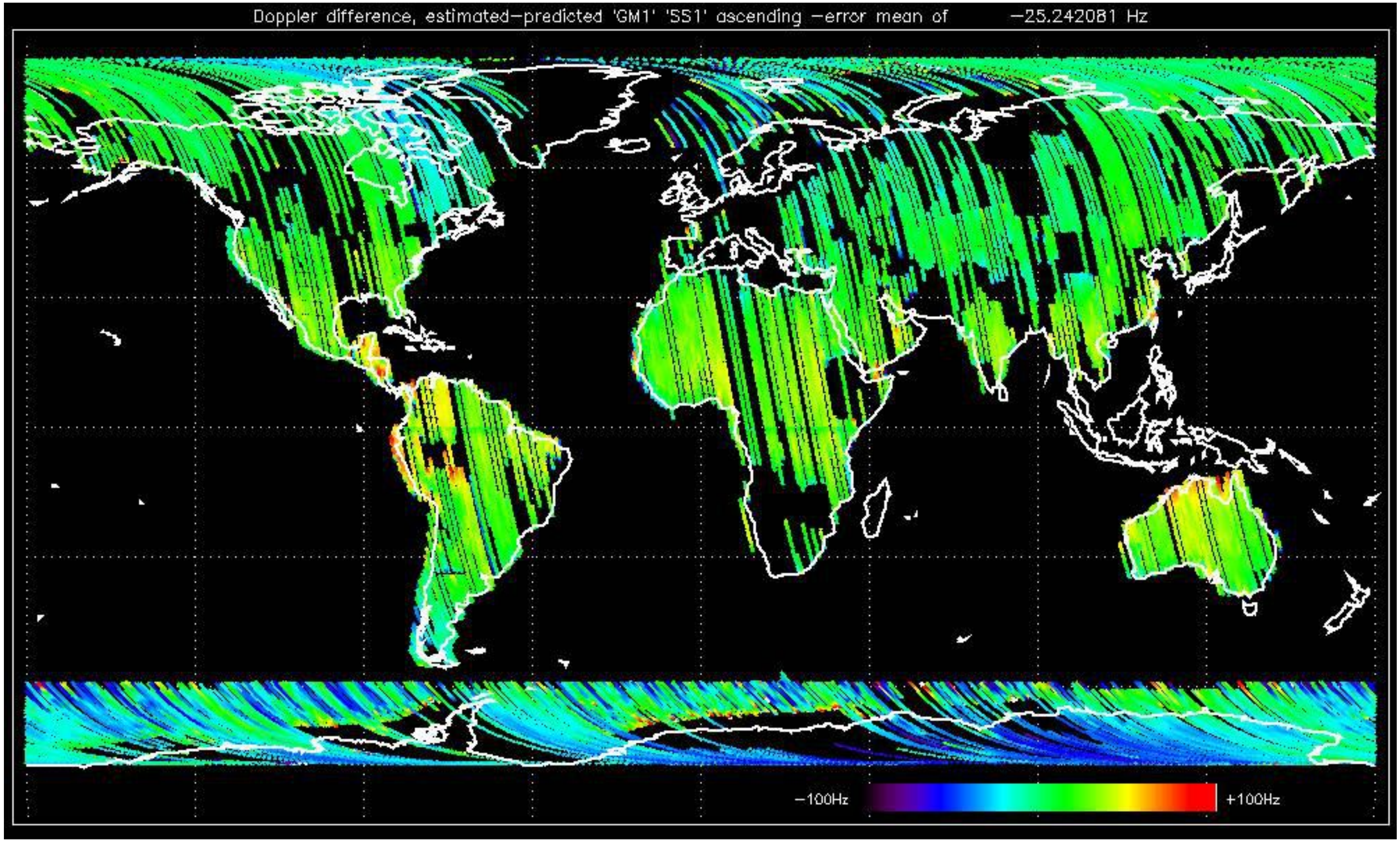

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

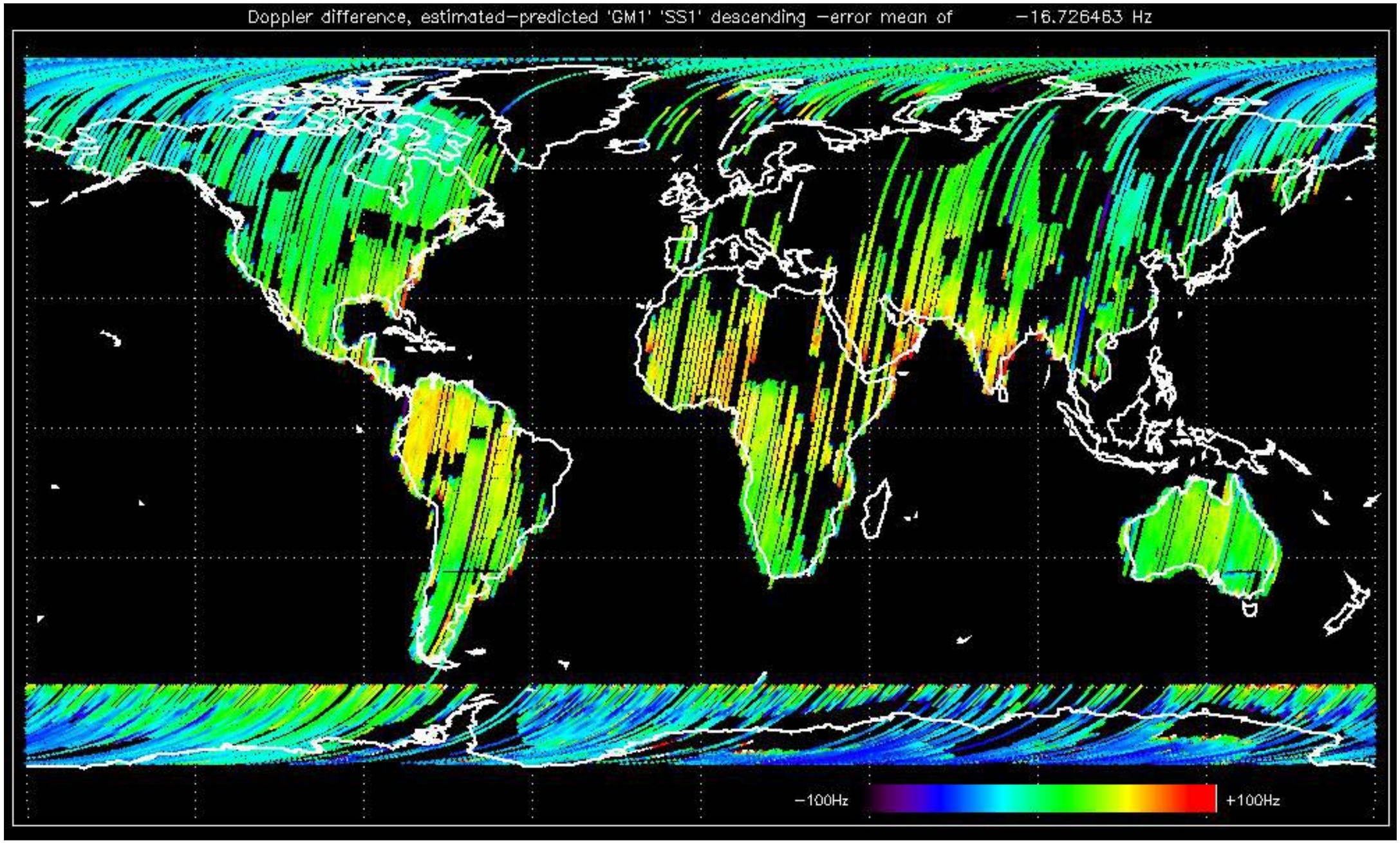

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
16
03−May
Date

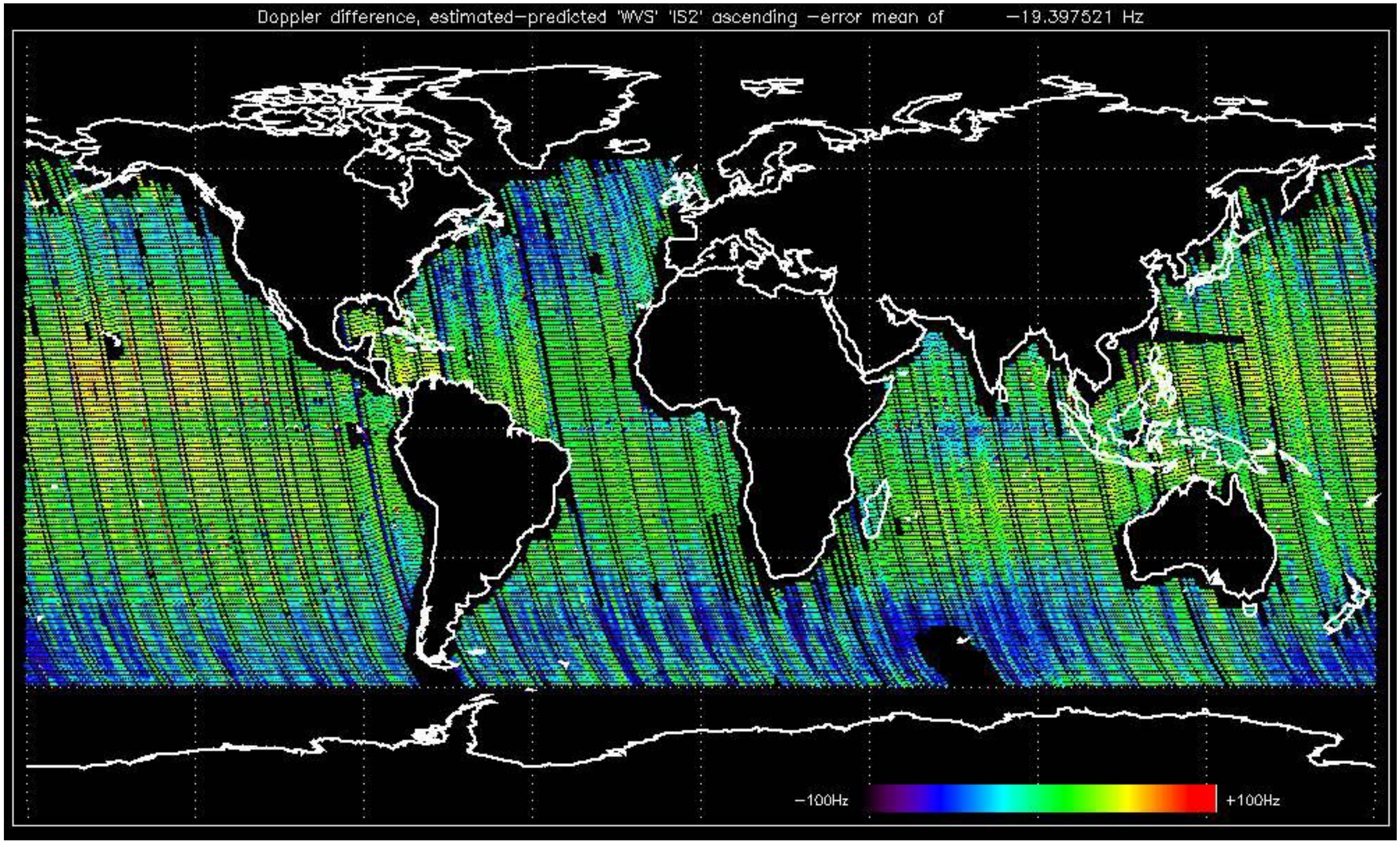

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

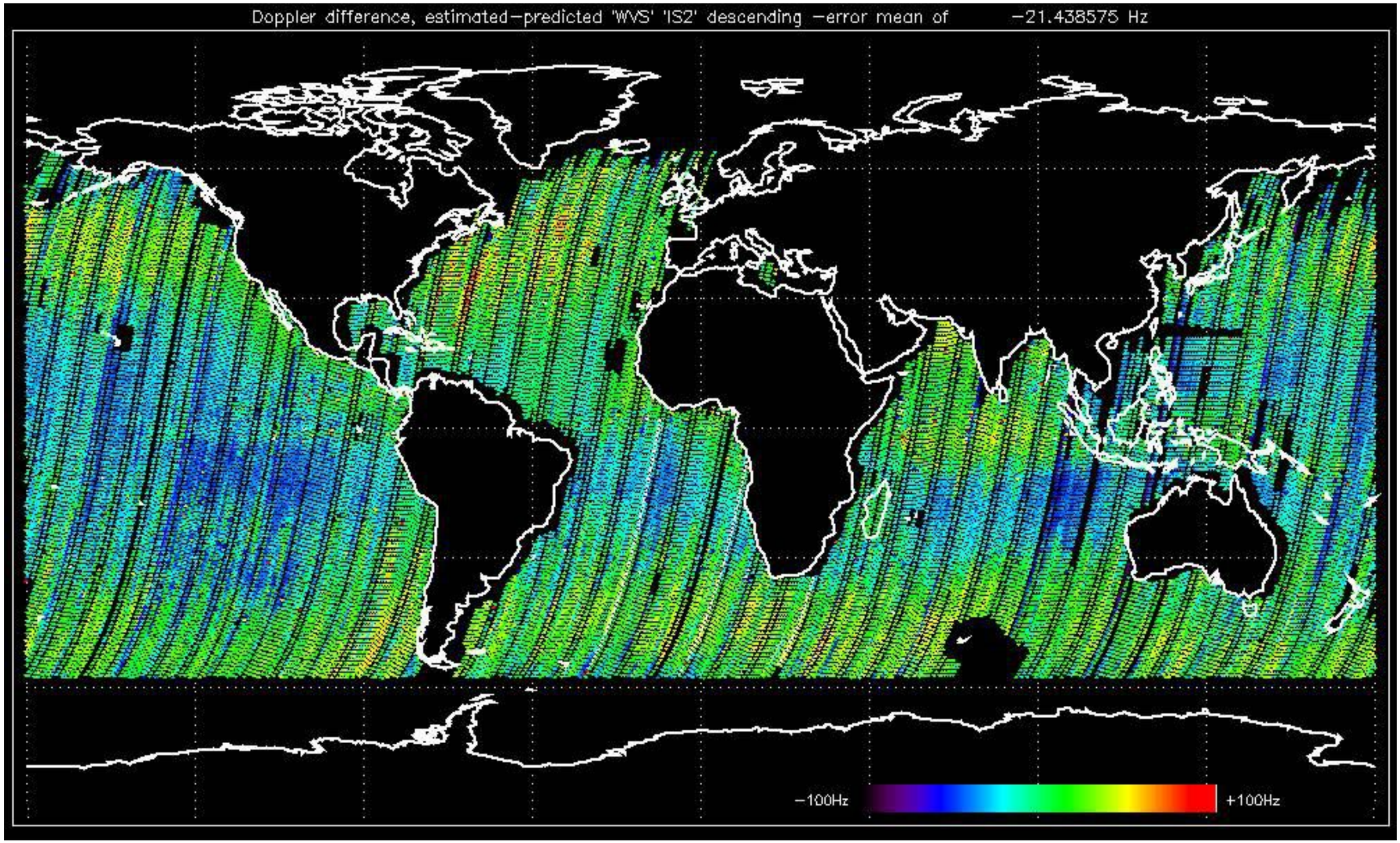

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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 16
03−May
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −25.242081 Hz
−100Hz
+100Hz

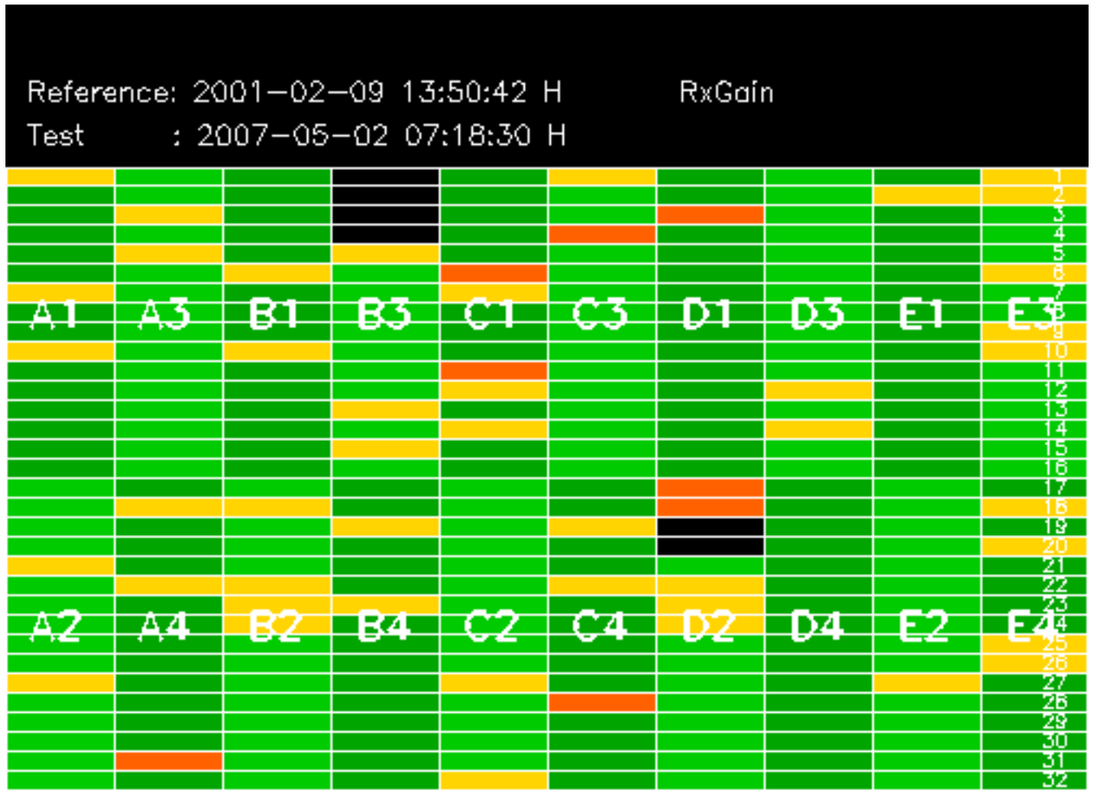

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.726463 Hz
−100Hz
+100Hz

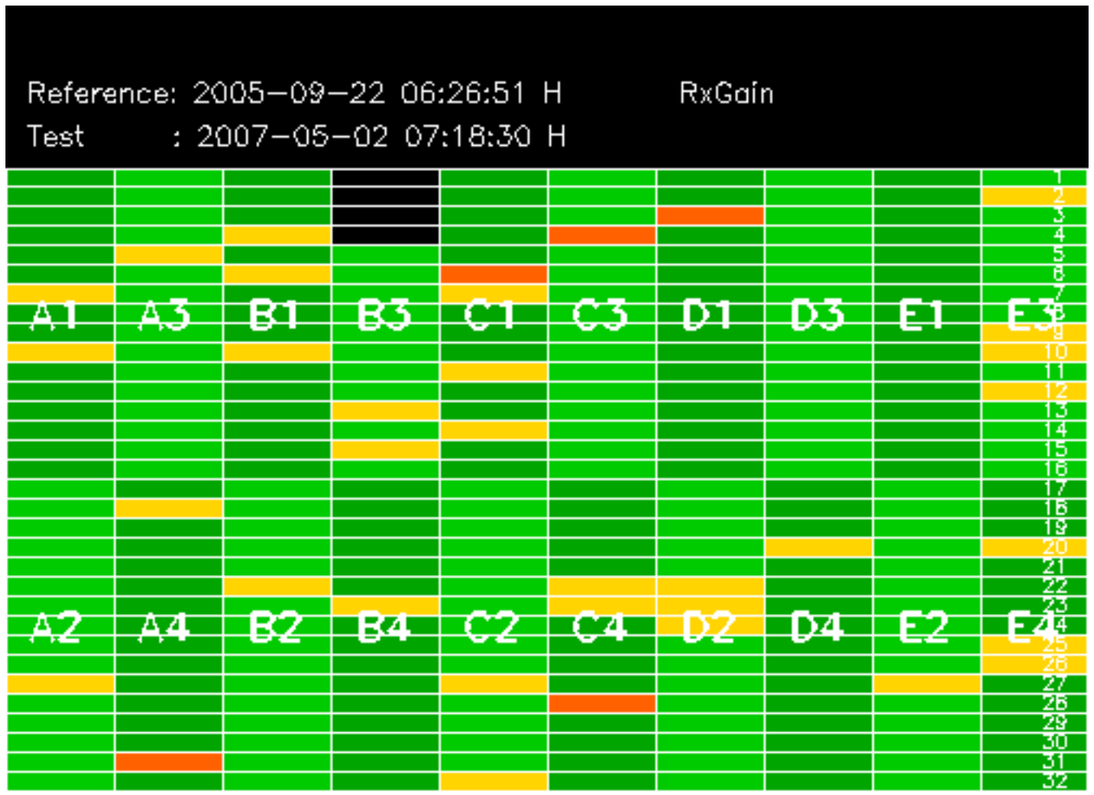

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −19.397521 Hz
−100Hz
+100Hz

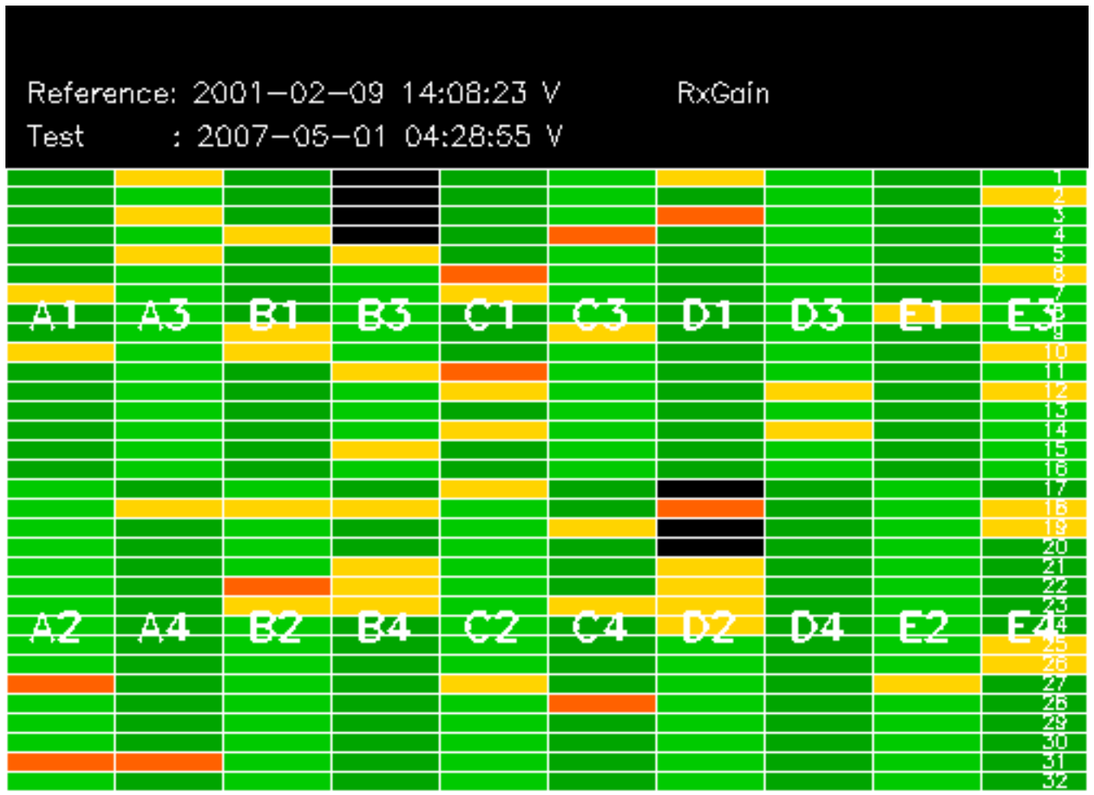

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.438575 Hz
−100Hz
+100Hz

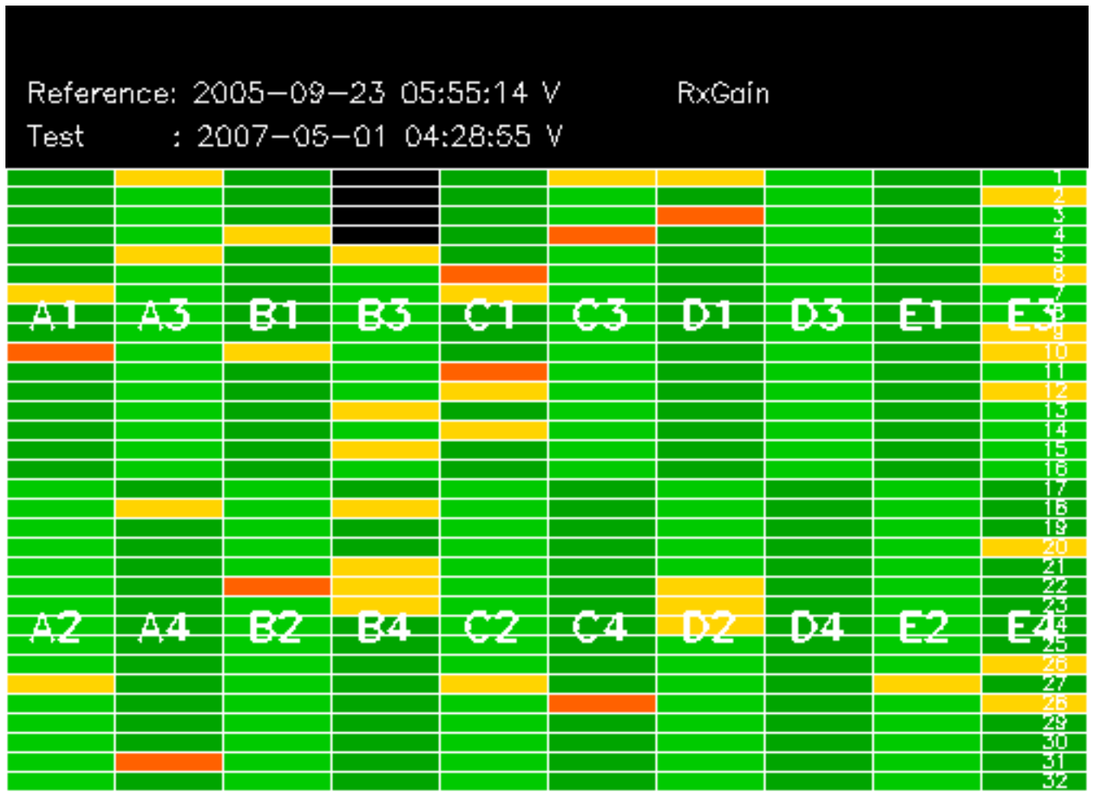
No anomalies observed on available MS products:

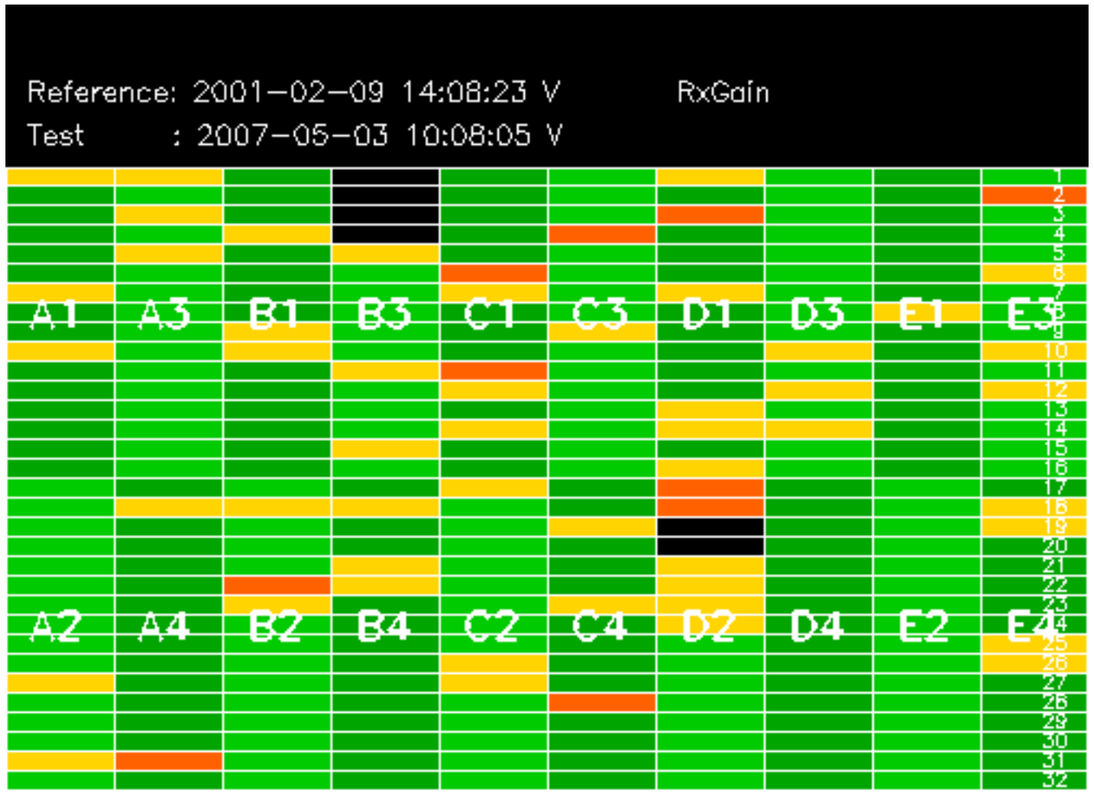
No anomalies observed.

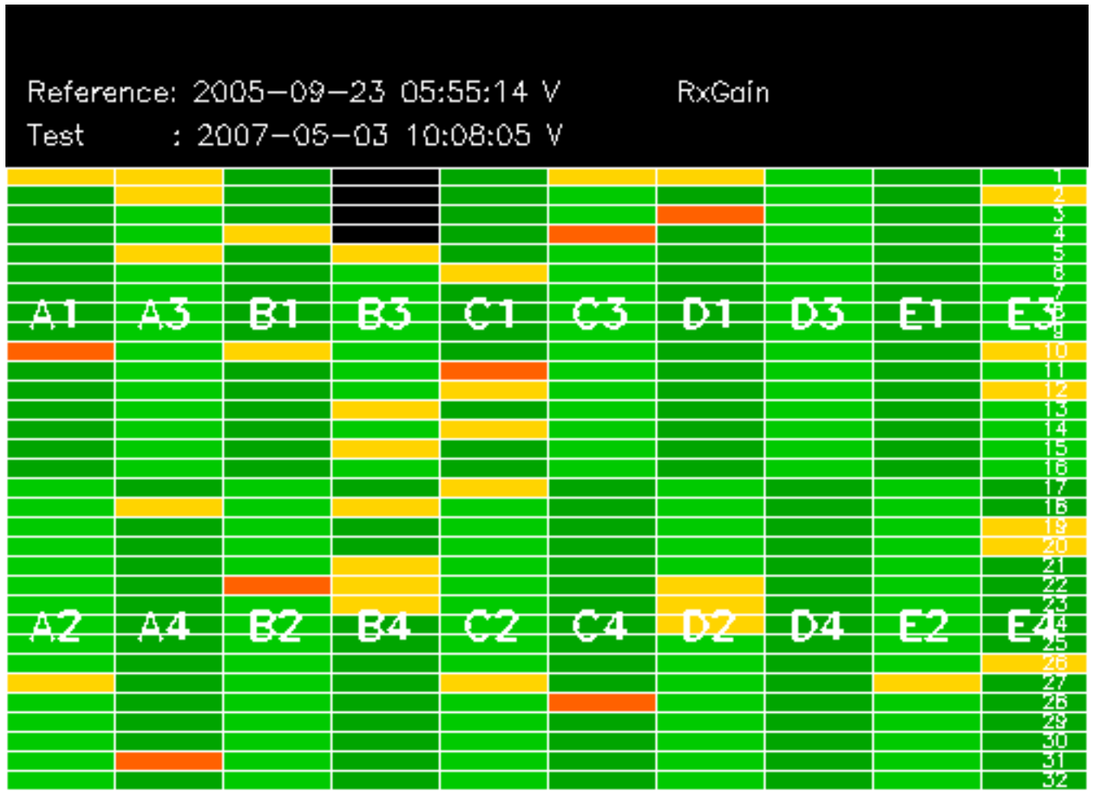

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-05-02 07:18:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-05-02 07:18:30 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 : 2007-05-01 04:28:55 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 : 2007-05-01 04:28:55 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 : 2007-05-03 10:08:05 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 : 2007-05-03 10:08:05 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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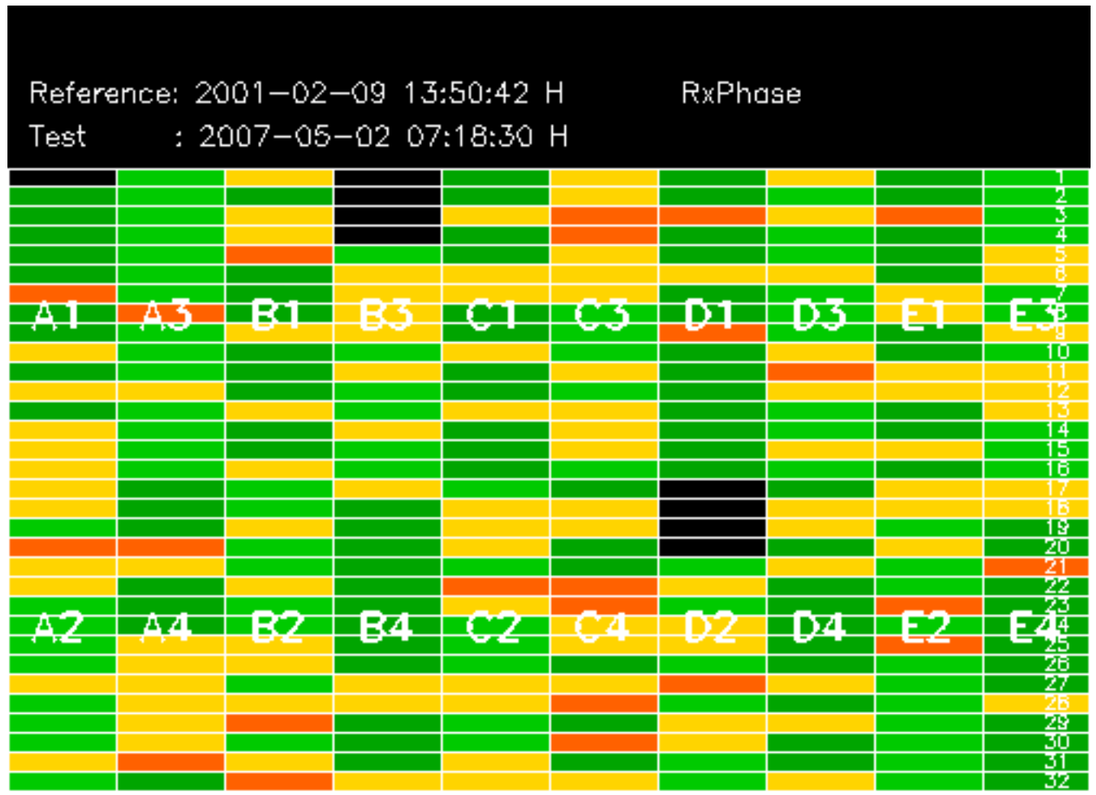
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-05-02 07:18:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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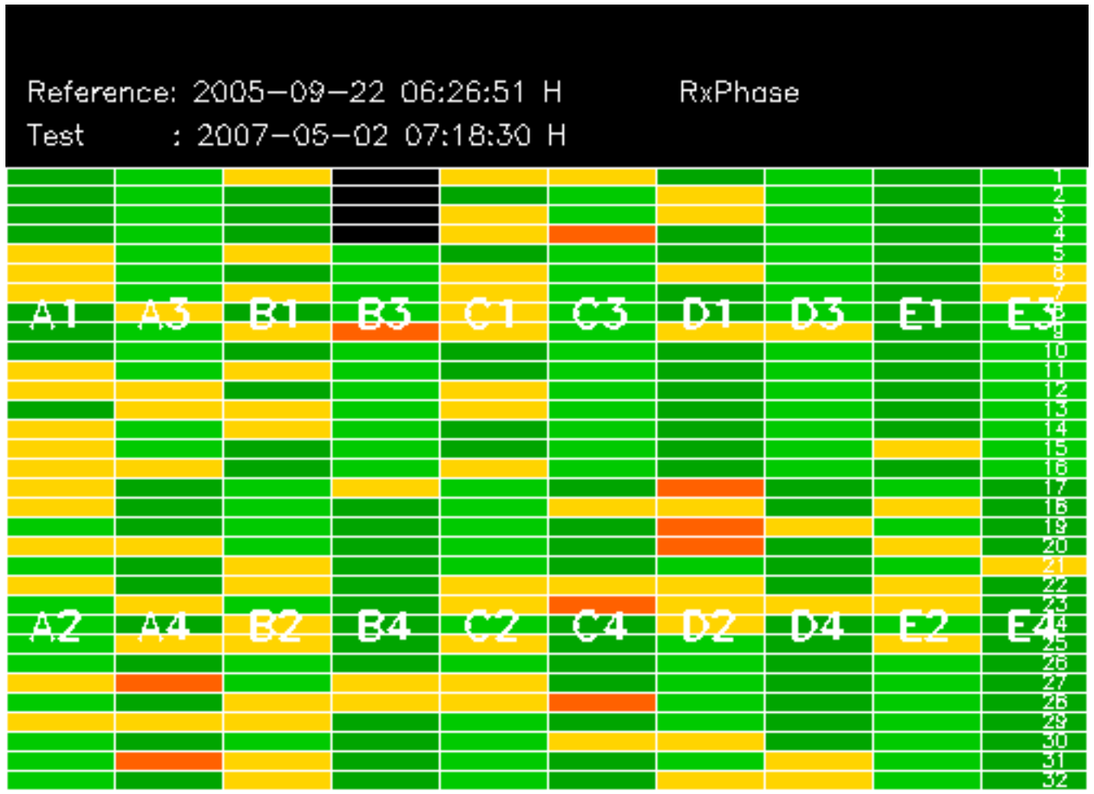
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-05-02 07:18:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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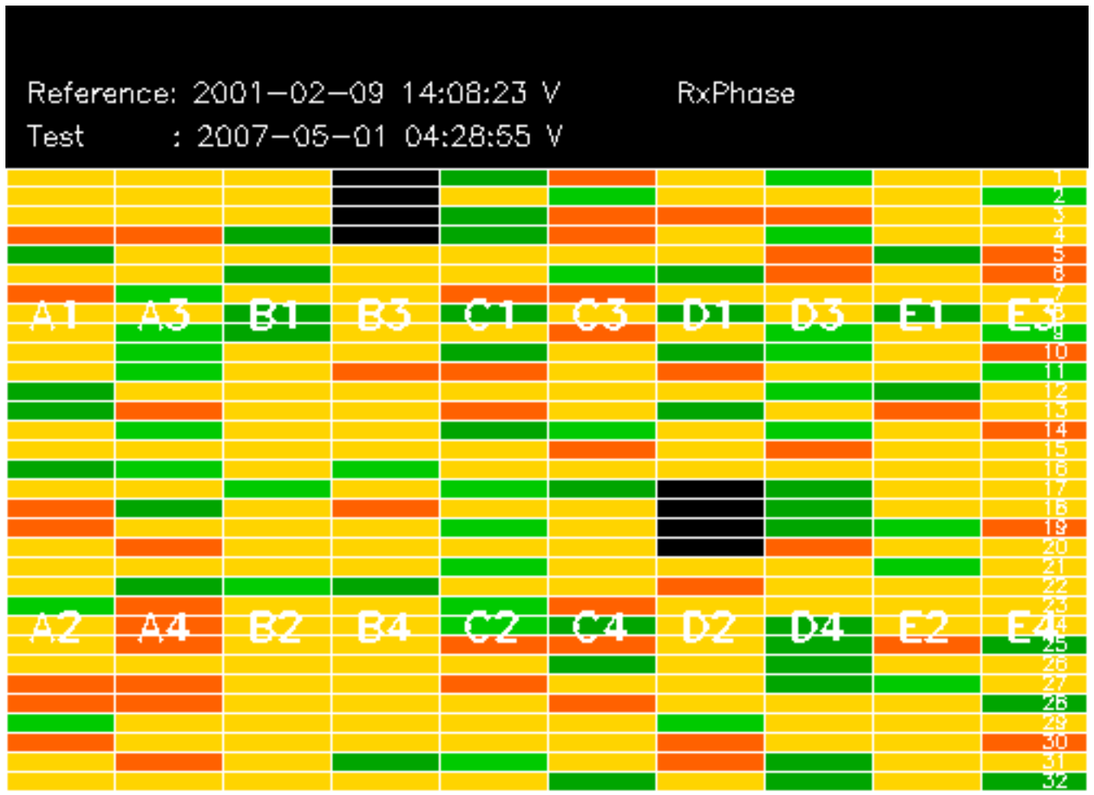
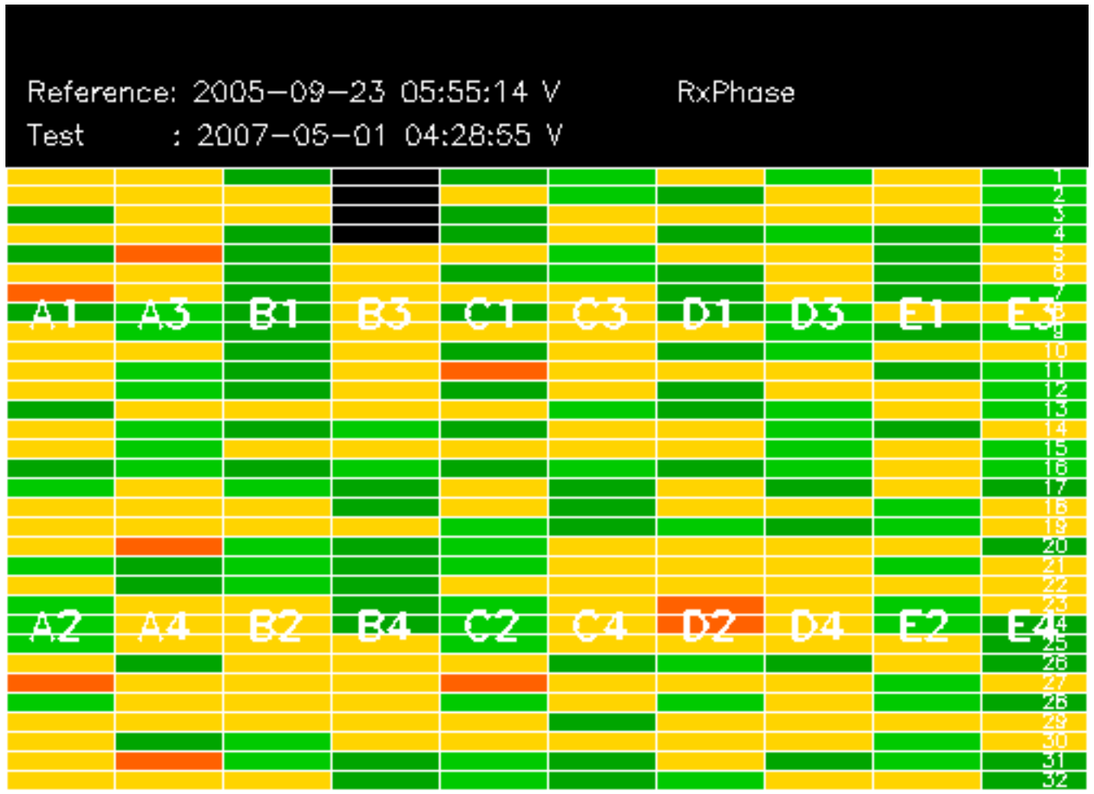

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-01 04:28:55 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-01 04:28:55 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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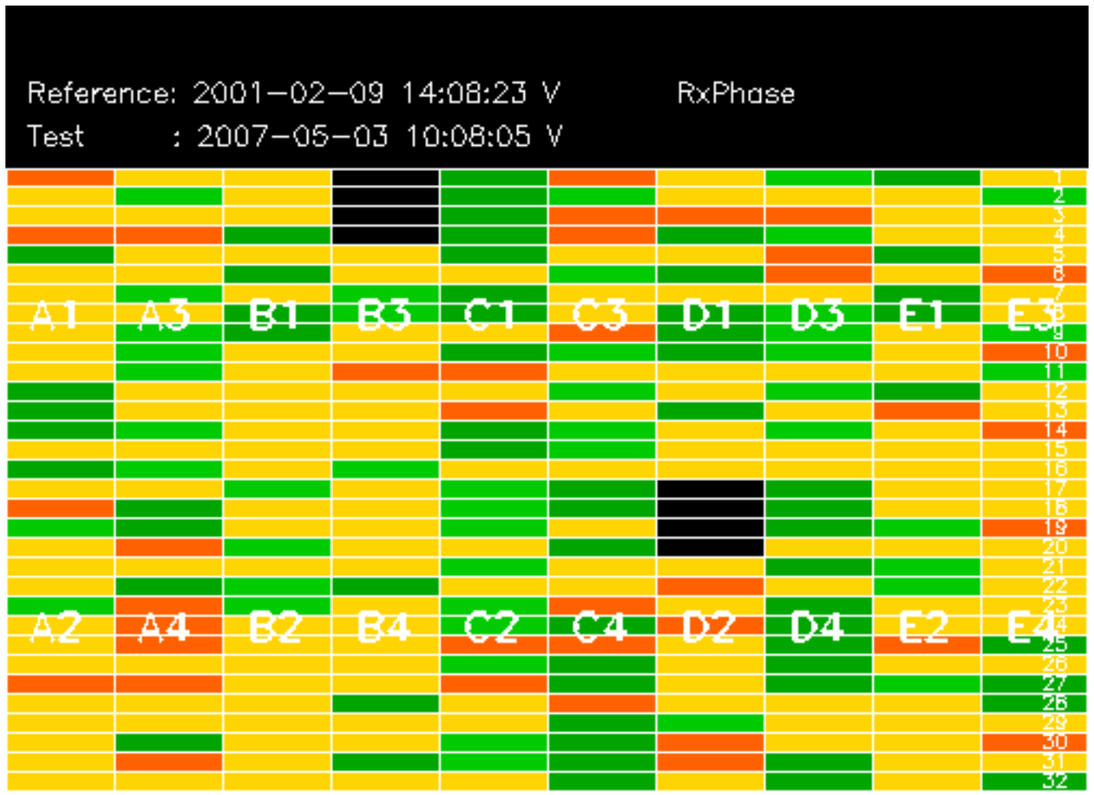
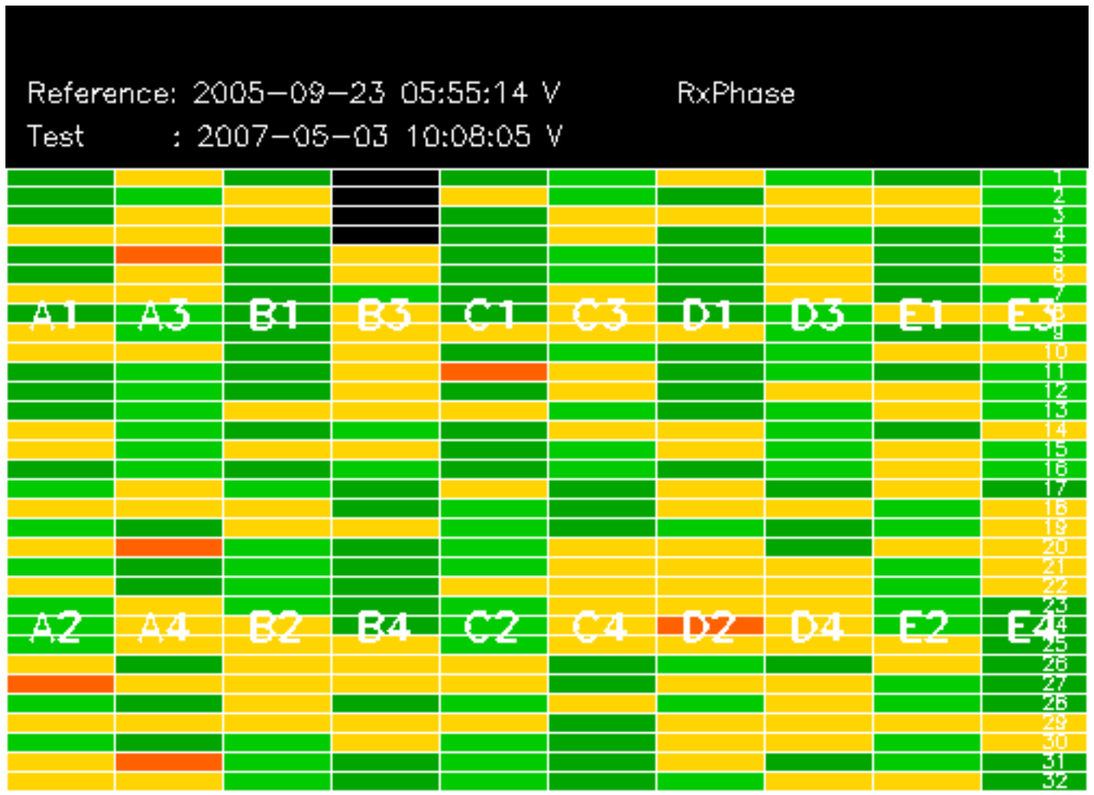

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-03 10:08:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-03 10:08:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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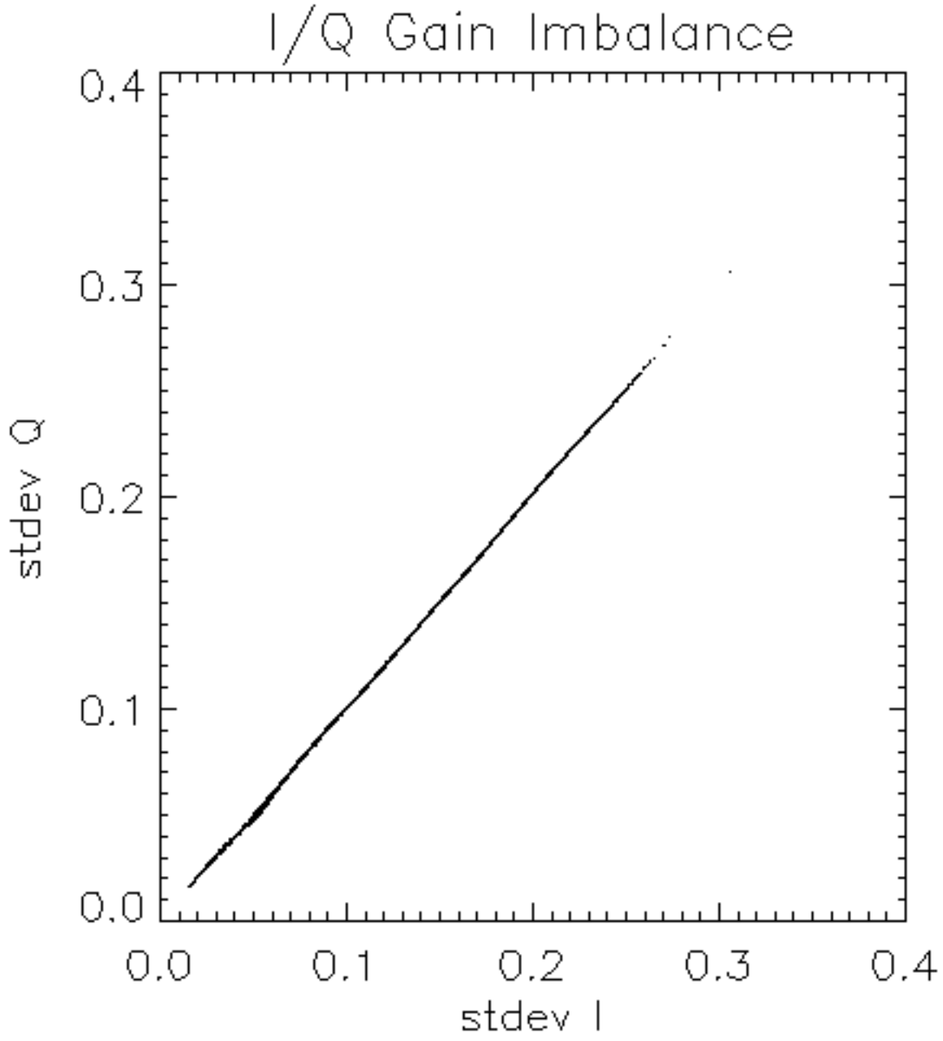
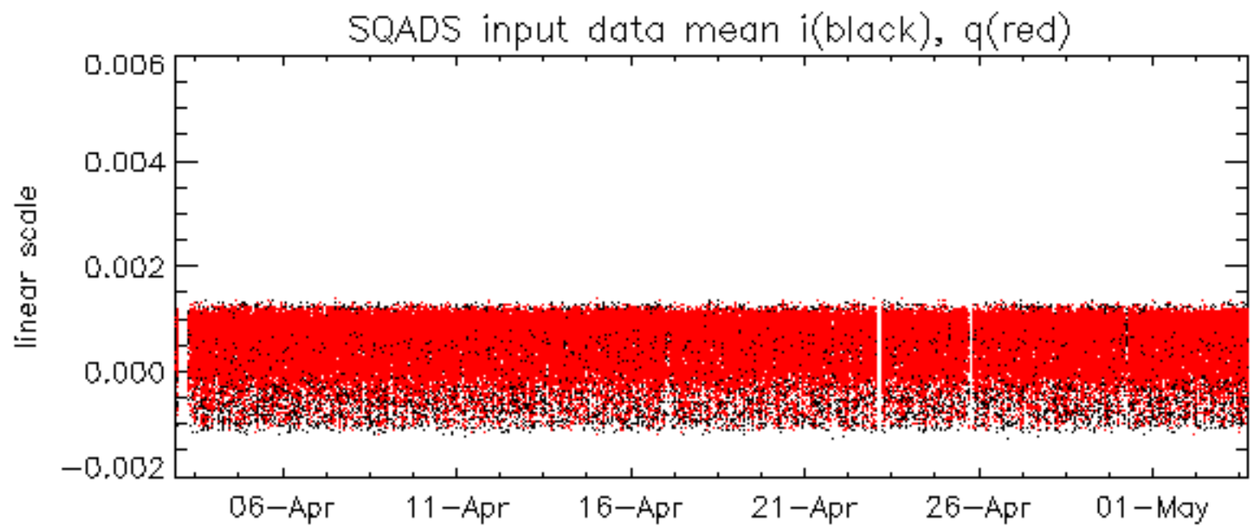
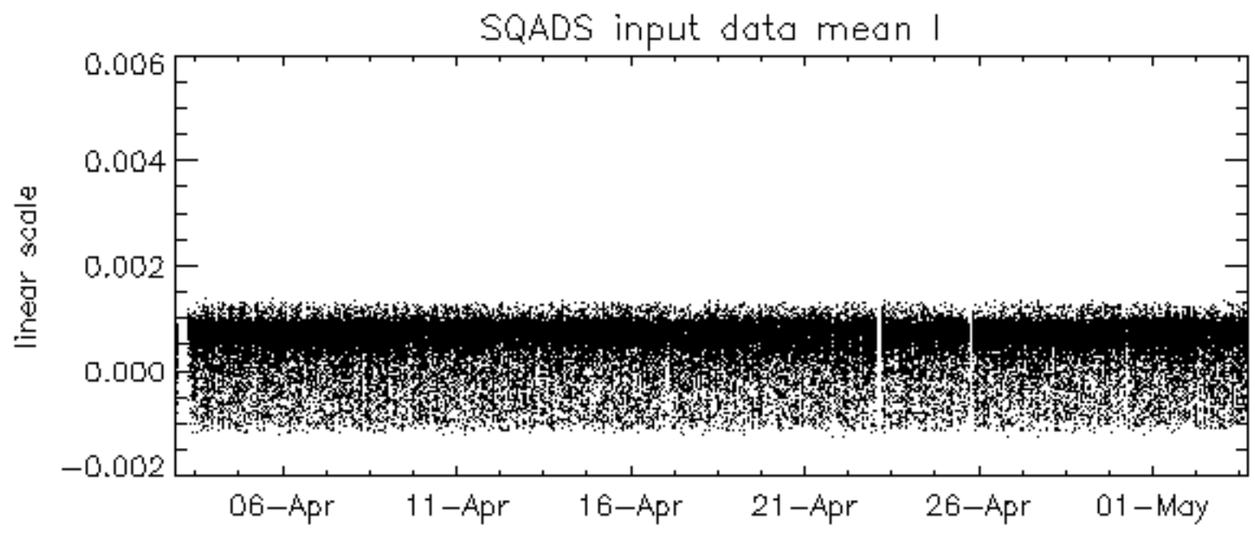
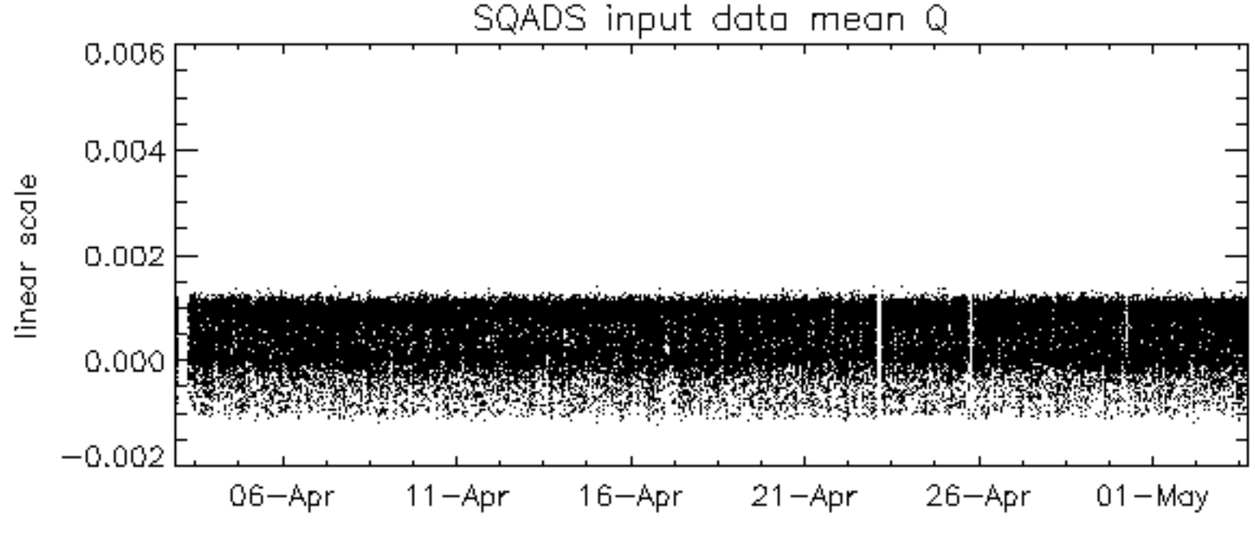
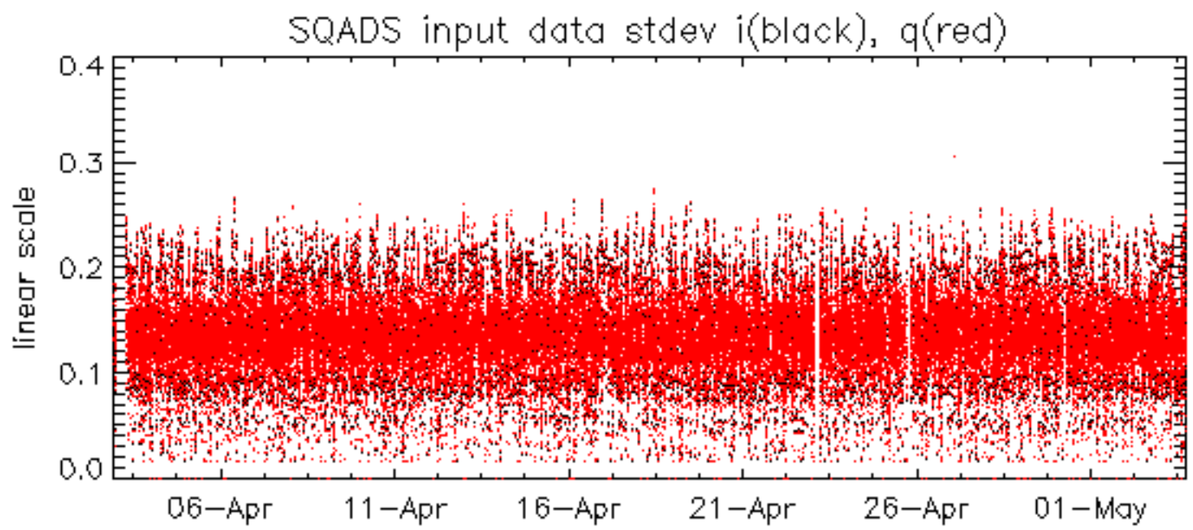
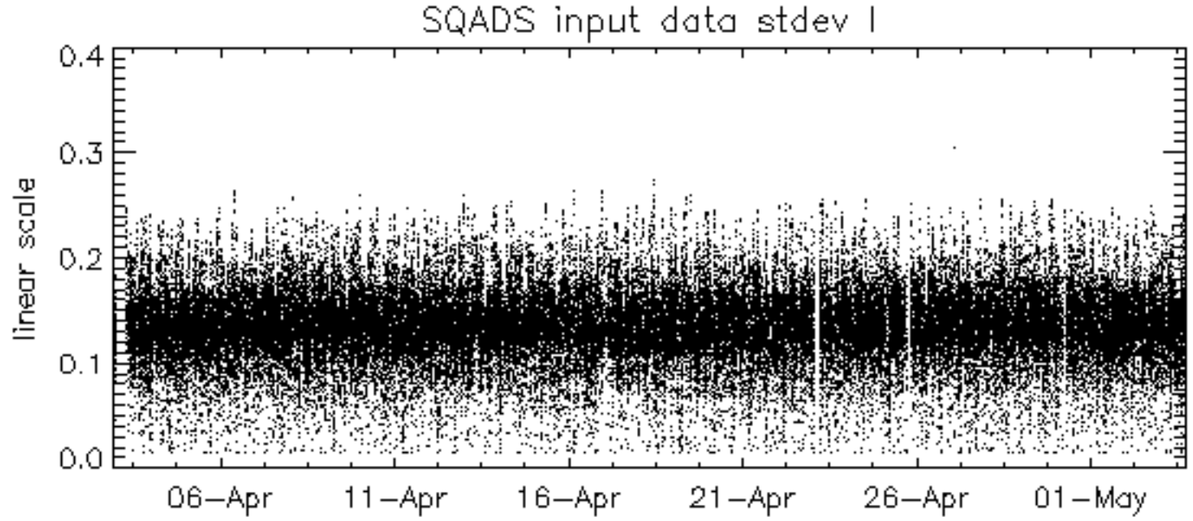

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

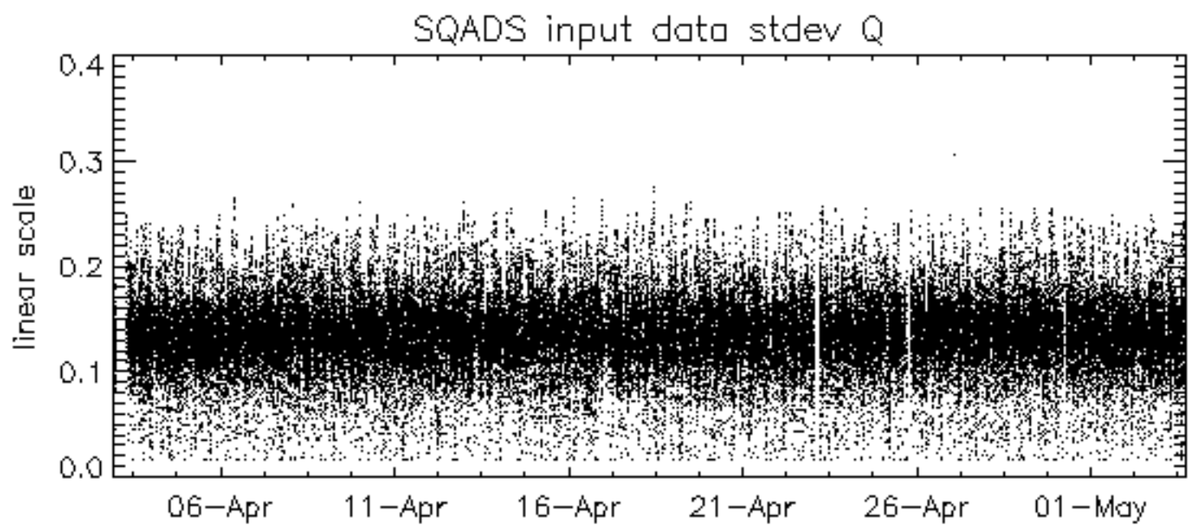

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May

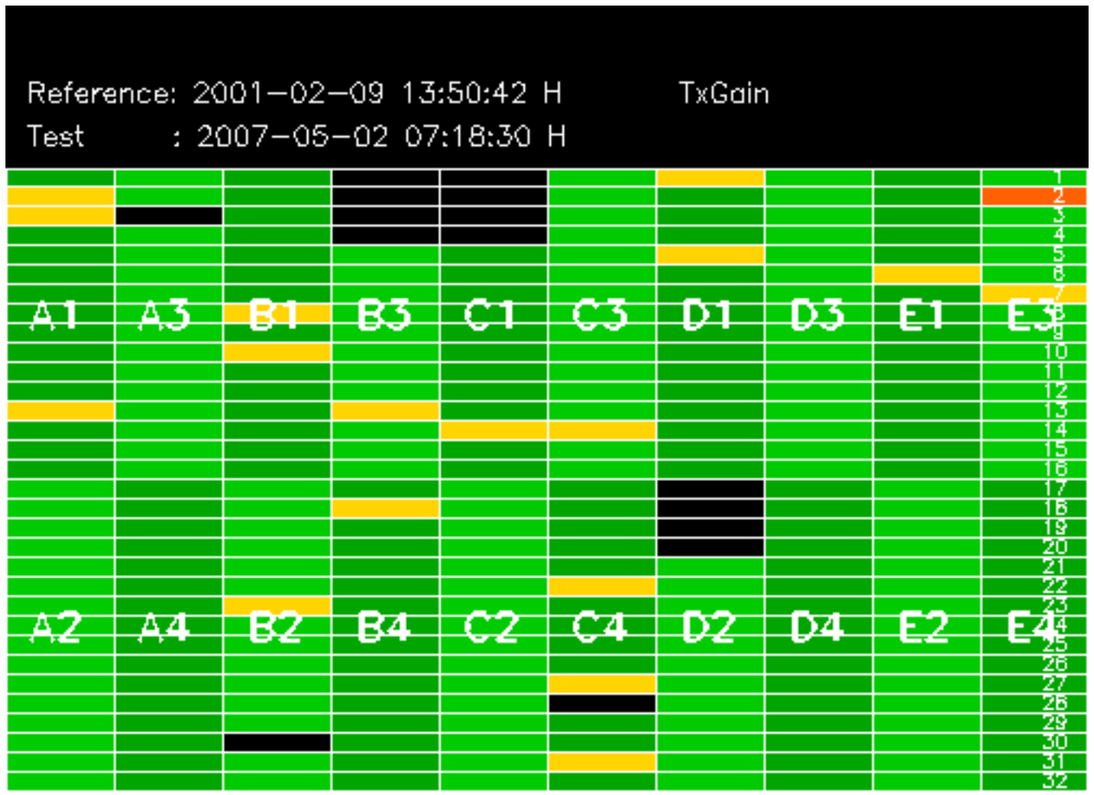

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May

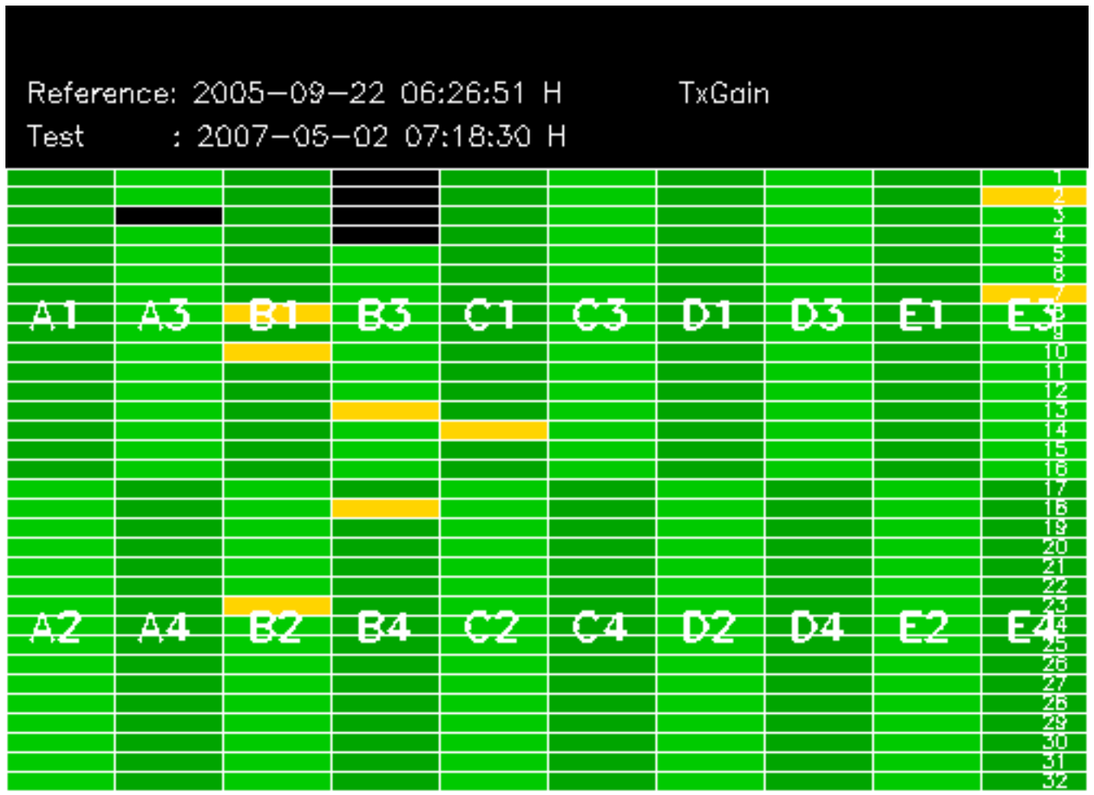

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May


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
01−May


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
01−May


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
01−May


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-02 07:18:30 H
TxGain
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 : 2007-05-02 07:18:30 H
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: 2001-02-09 14:08:23 V
Test : 2007-05-01 04:28:55 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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Reference: 2005-09-23 05:55:14 V
Test : 2007-05-01 04:28:55 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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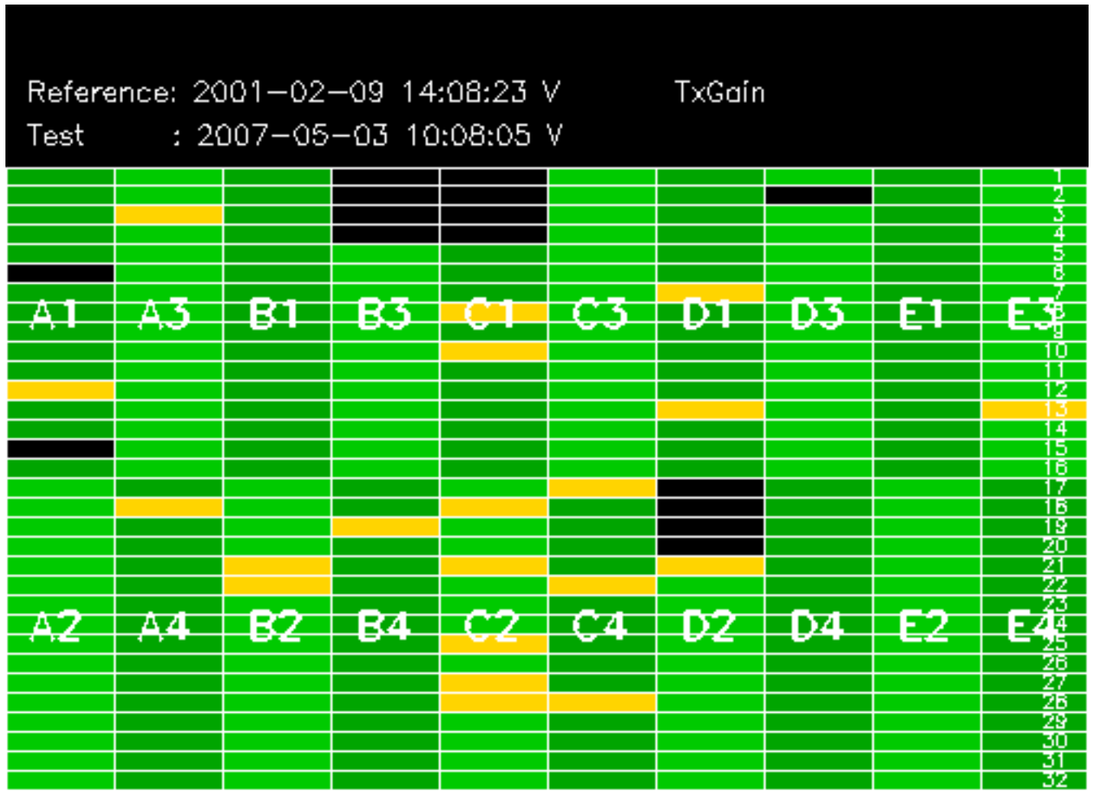
Reference: 2001-02-09 14:08:23 V
Test : 2007-05-03 10:08:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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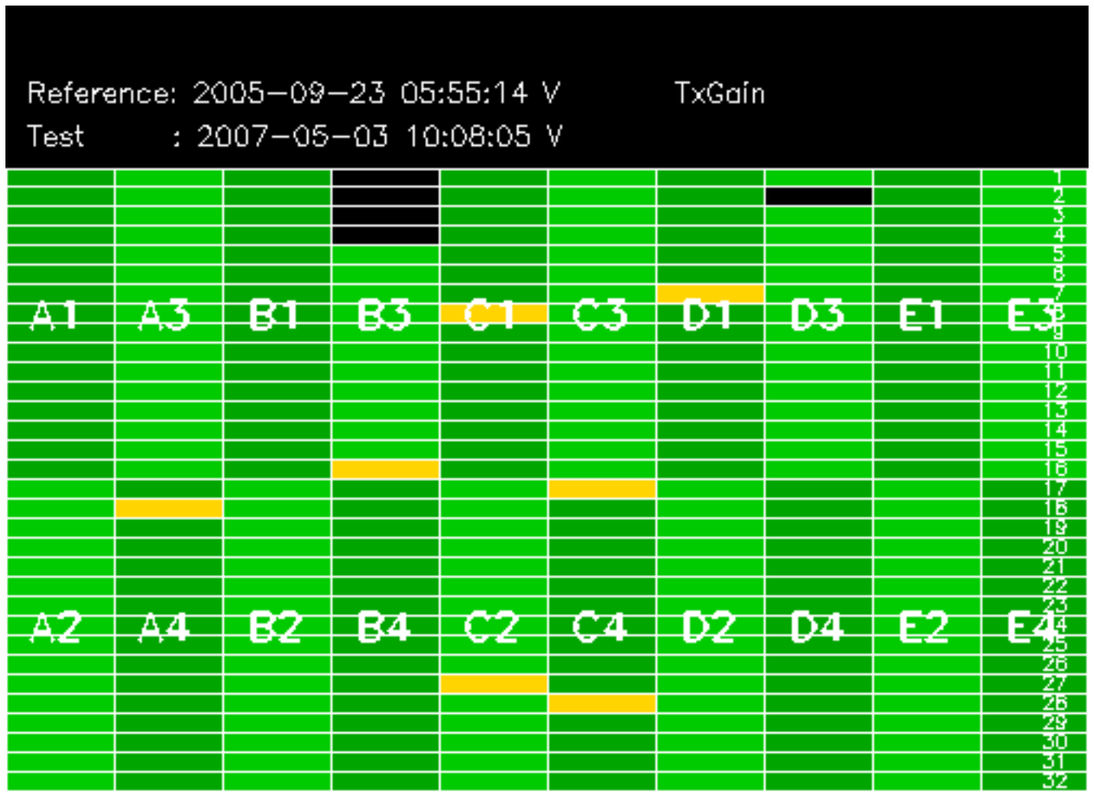
Reference: 2005-09-23 05:55:14 V
Test : 2007-05-03 10:08:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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C4
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Summary of analysis for the last 3 days 2007050[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_IMM_1PNPDE20070502_143310_000000372057_00425_27032_5713.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070501_115225_000002392057_00410_27017_9992.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070501_075015_000001442057_00407_27014_9738.N1 </td> <td>0 </td> <td>99 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070501_075523_000006462057_00407_27014_9749.N1 </td> <td>0 </td> <td>13 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070501_161314_000009242057_00412_27019_0280.N1 </td> <td>0 </td> <td>60 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070502_100004_000001082057_00423_27030_1179.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070501_150736_000001402057_00412_27019_4446.N1 </td> <td>0 </td> <td>36 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070502_162039_000002072057_00427_27034_5777.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070502_202012_000000672057_00429_27036_5922.N1 </td> <td>0 </td> <td>63 </td></tr>
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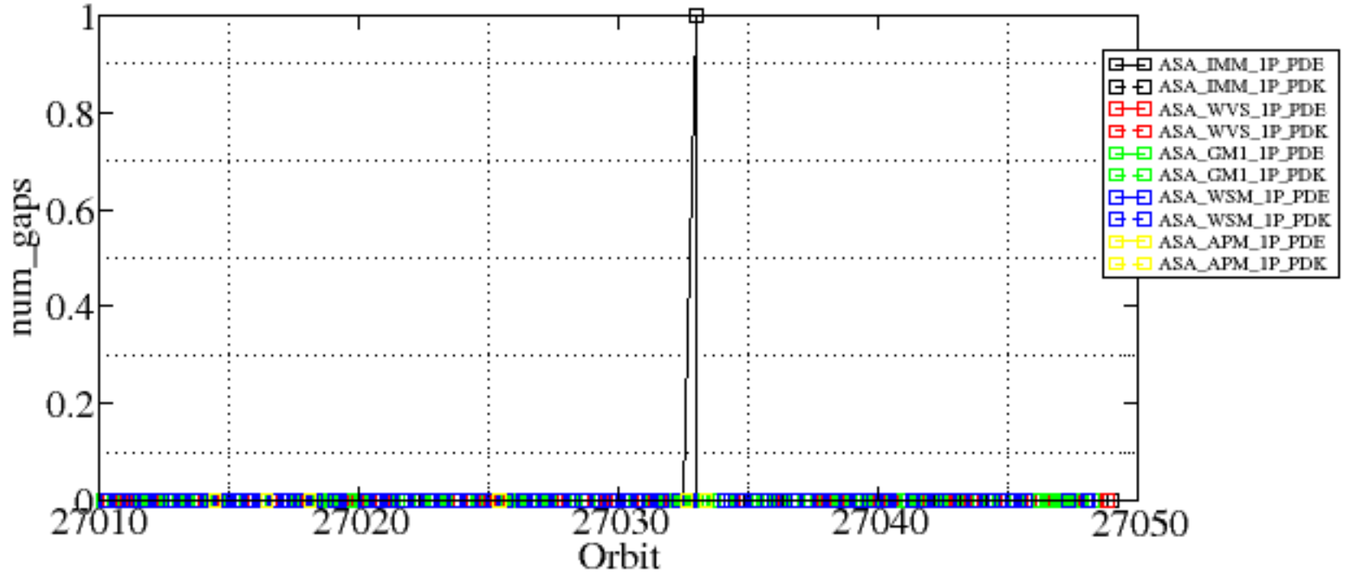
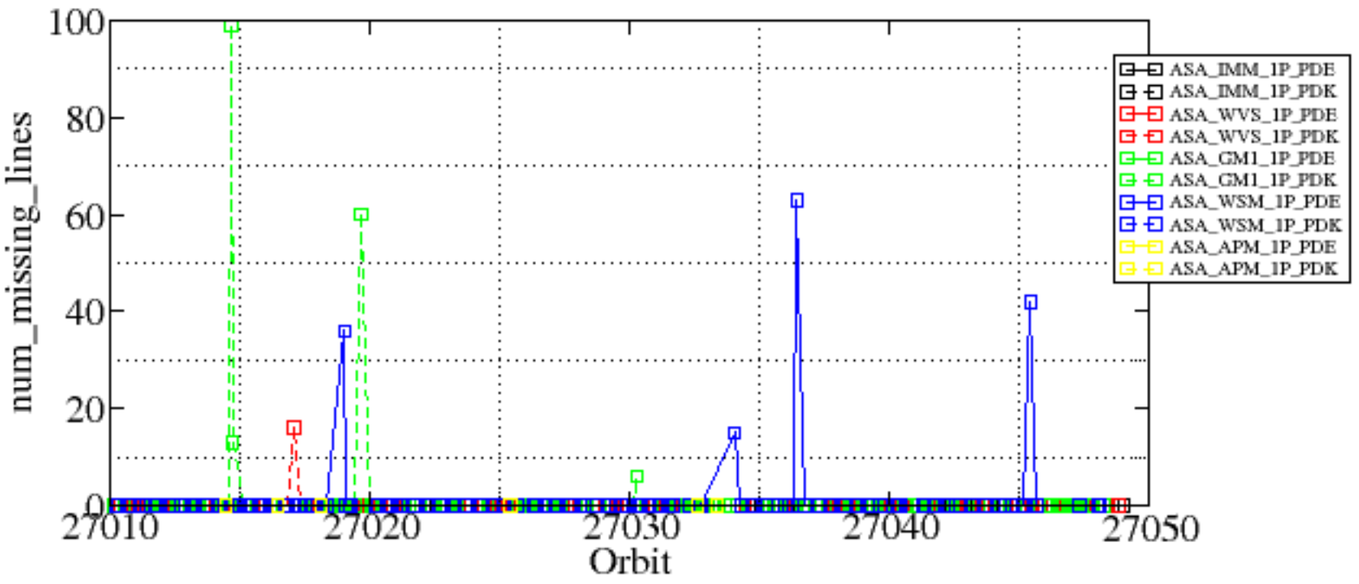
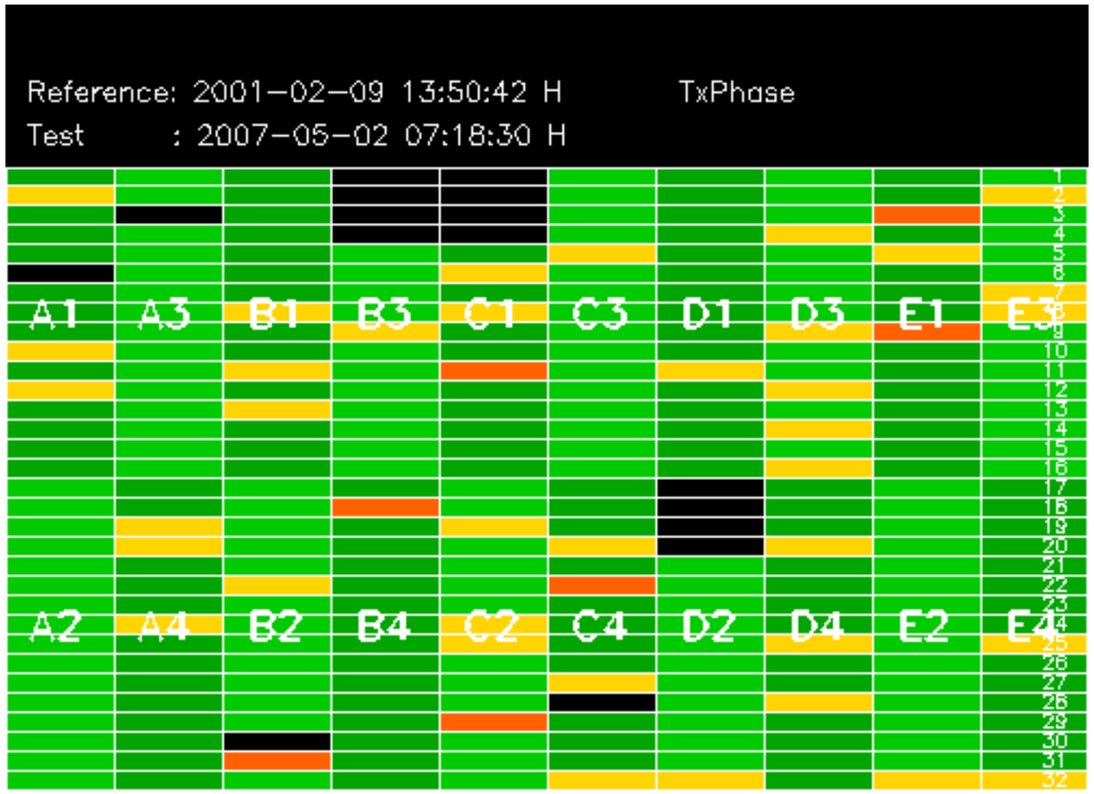
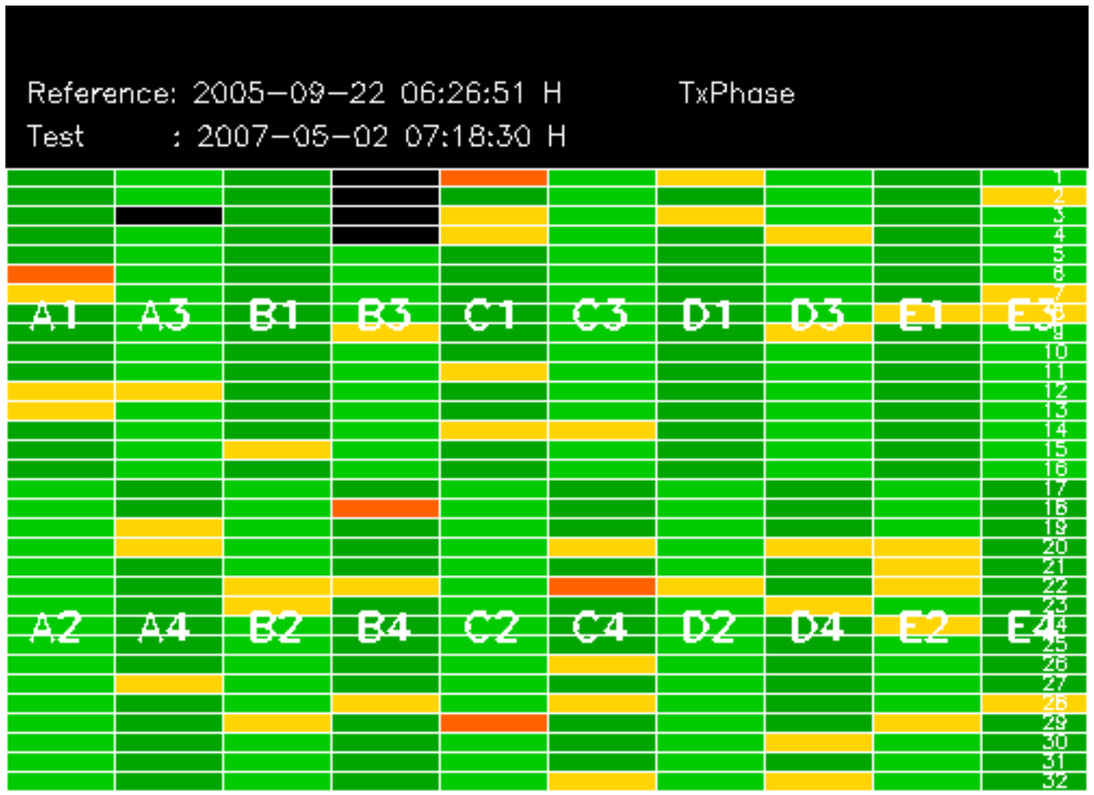
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
27010
27020
27030
27040
27050
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
100
80
60
40
20
0
27010
27020
27030
27040
27050
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 : 2007-05-02 07:18:30 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 : 2007-05-02 07:18:30 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
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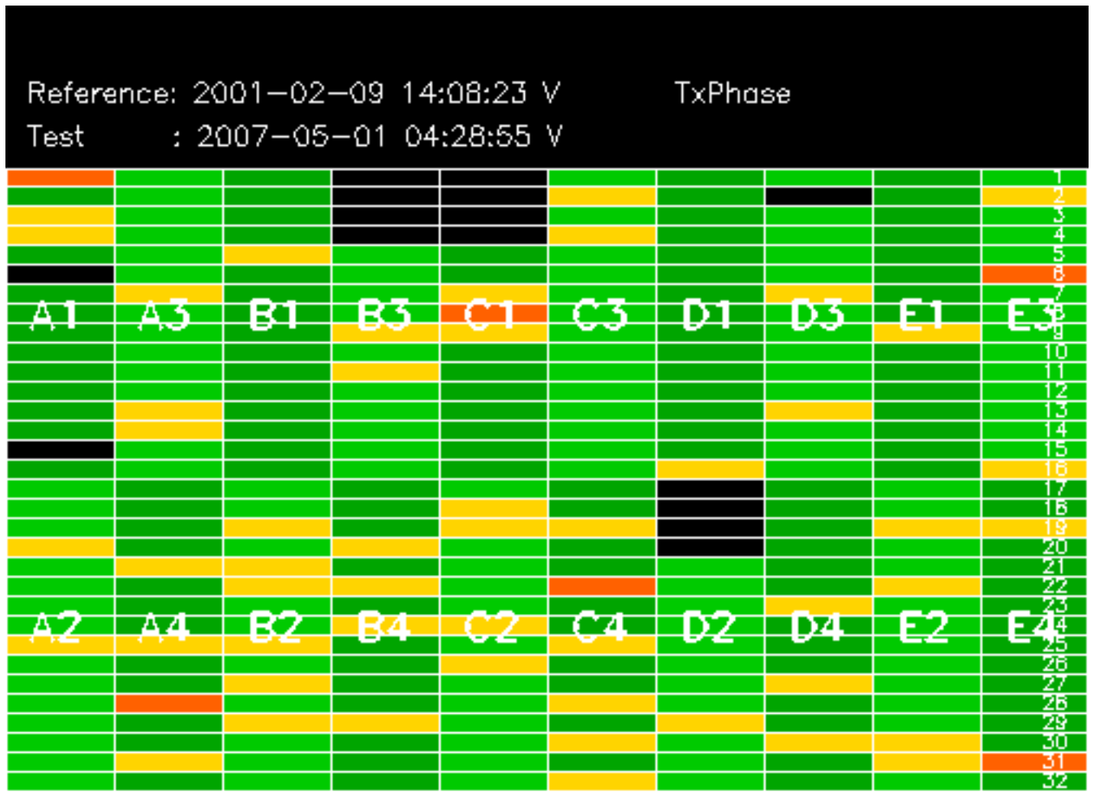
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-05-01 04:28:55 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
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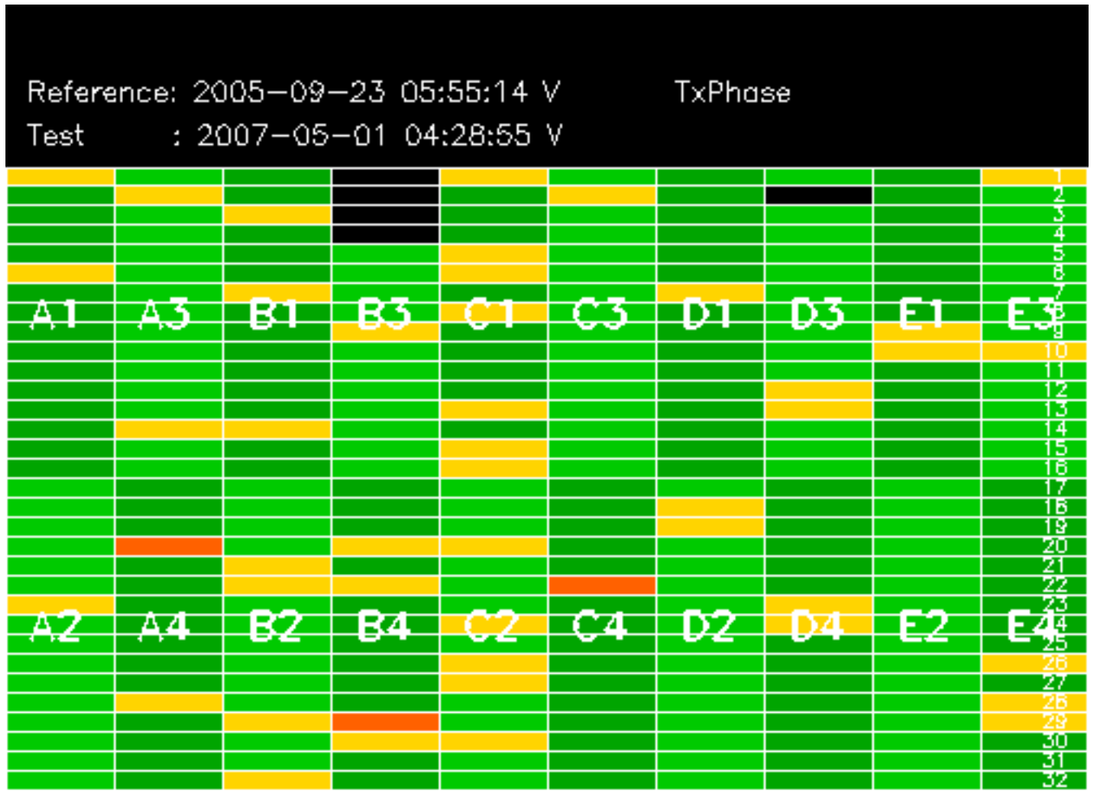
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-01 04:28:55 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
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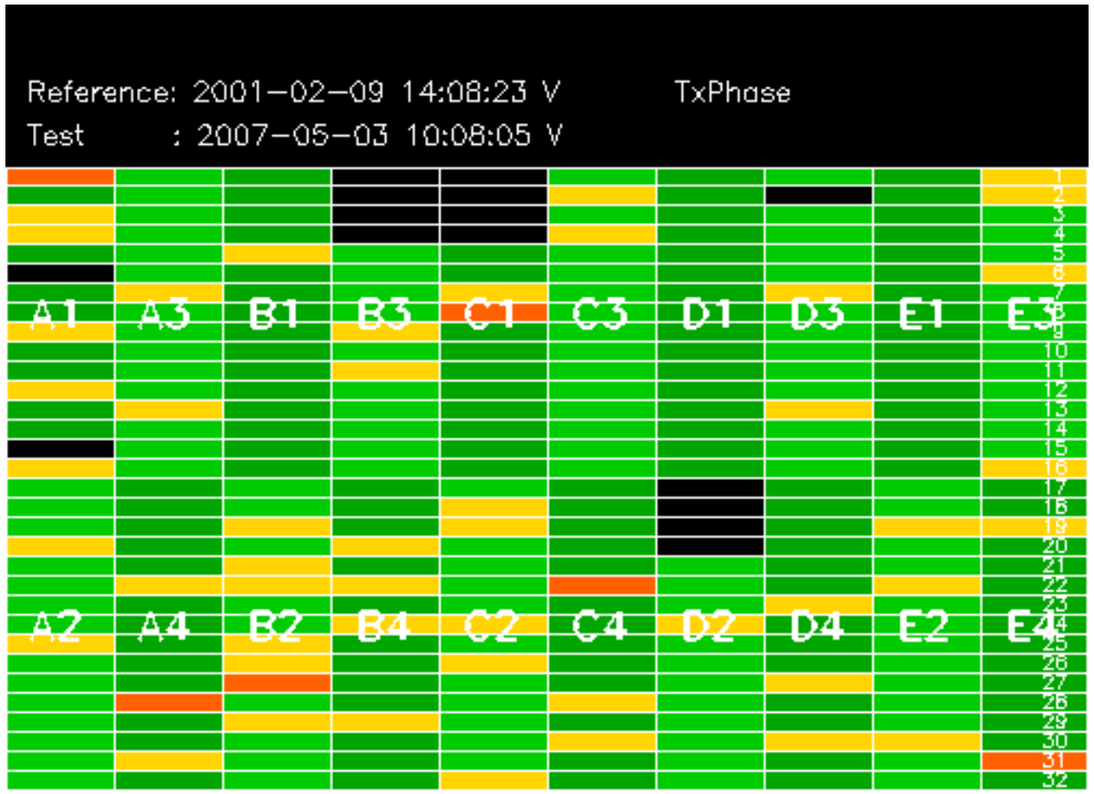
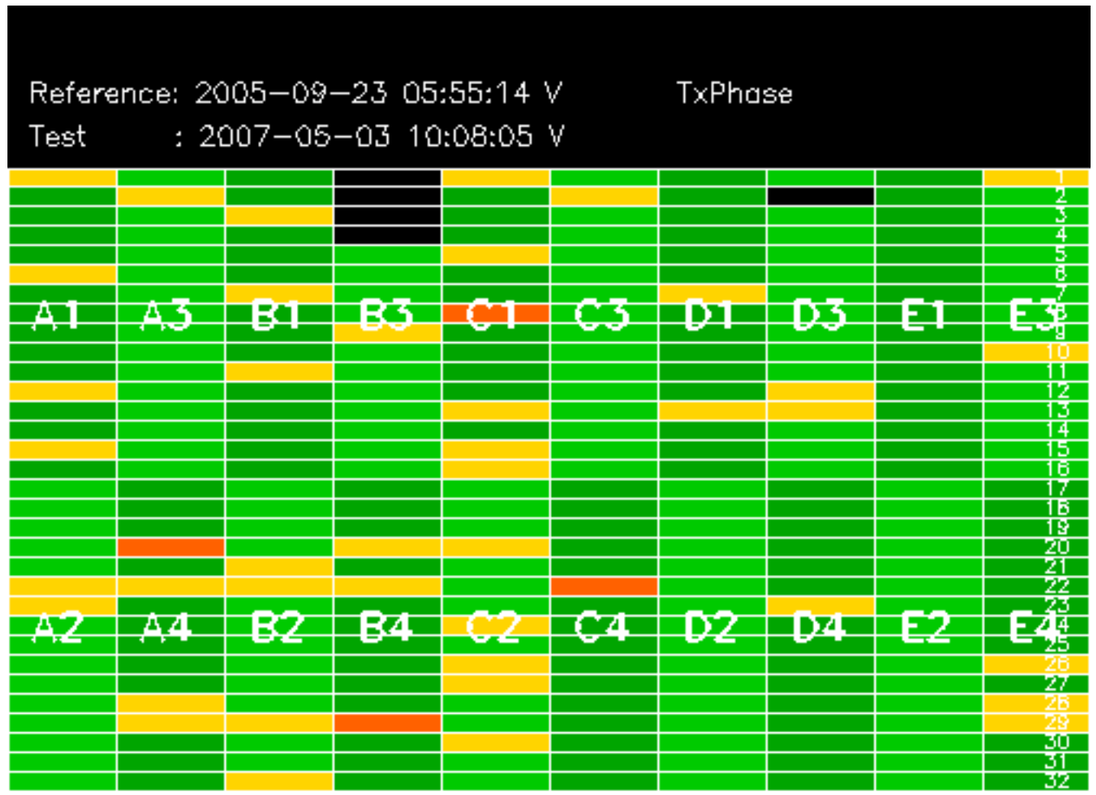

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-03 10:08:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-03 10:08:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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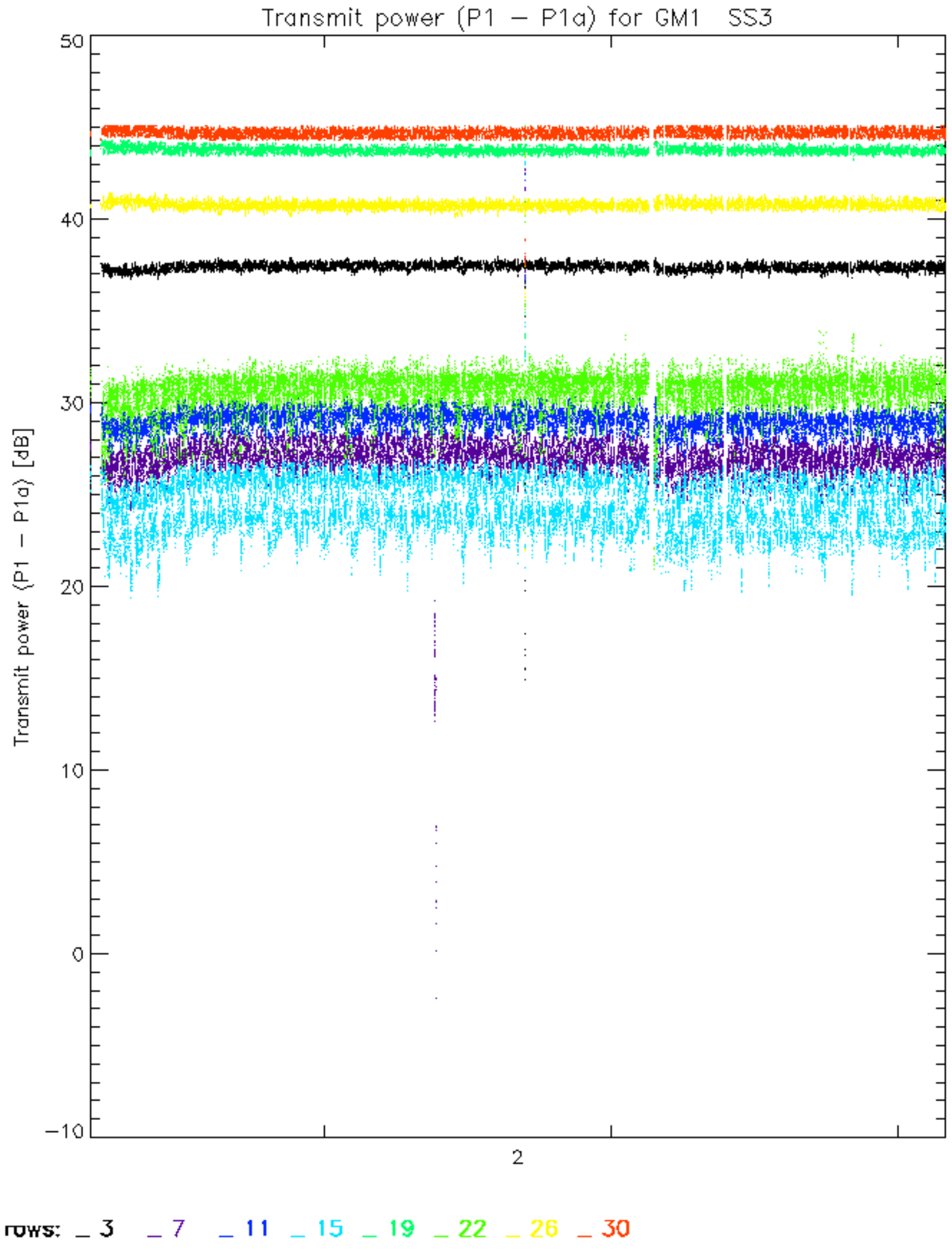
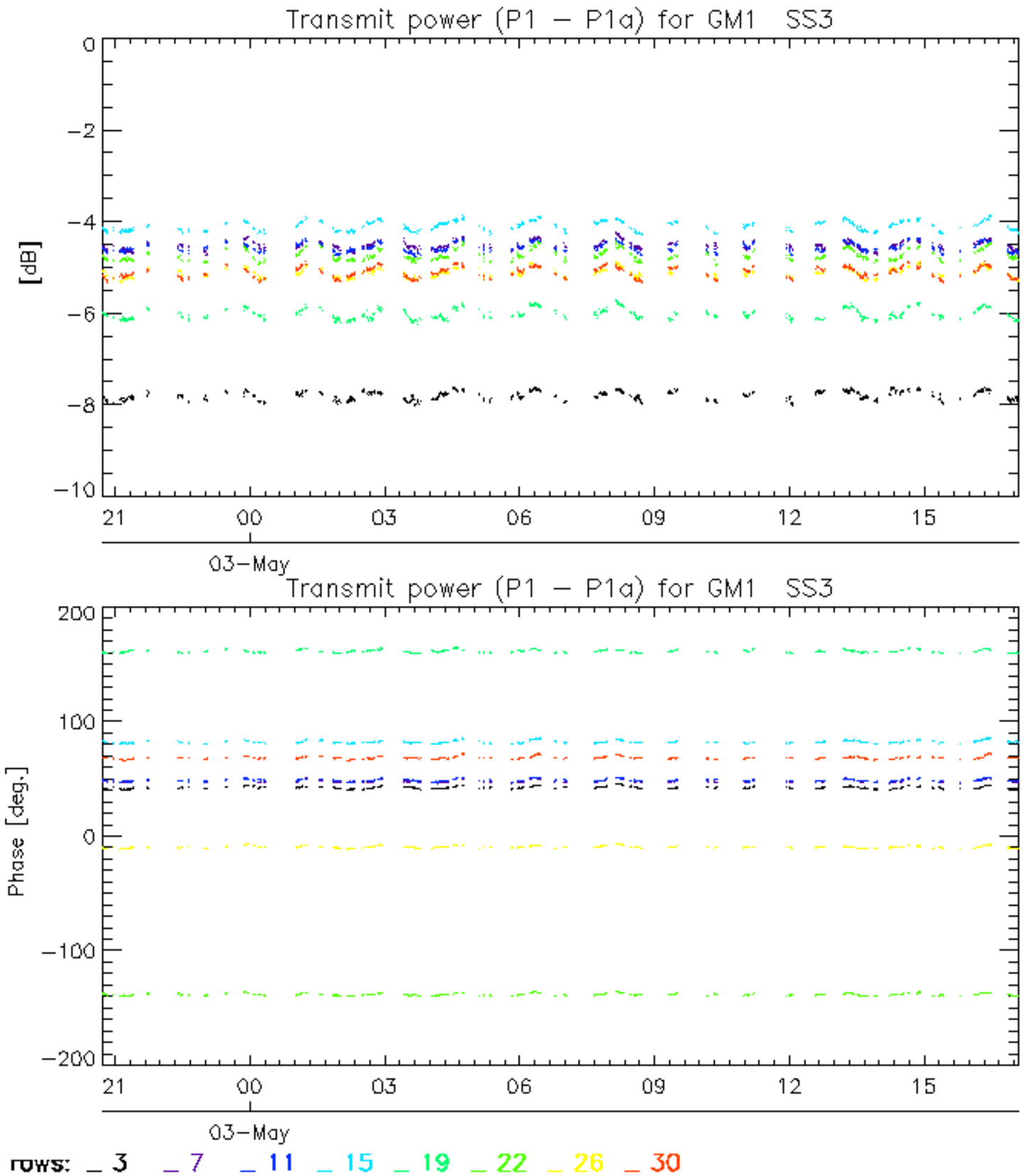
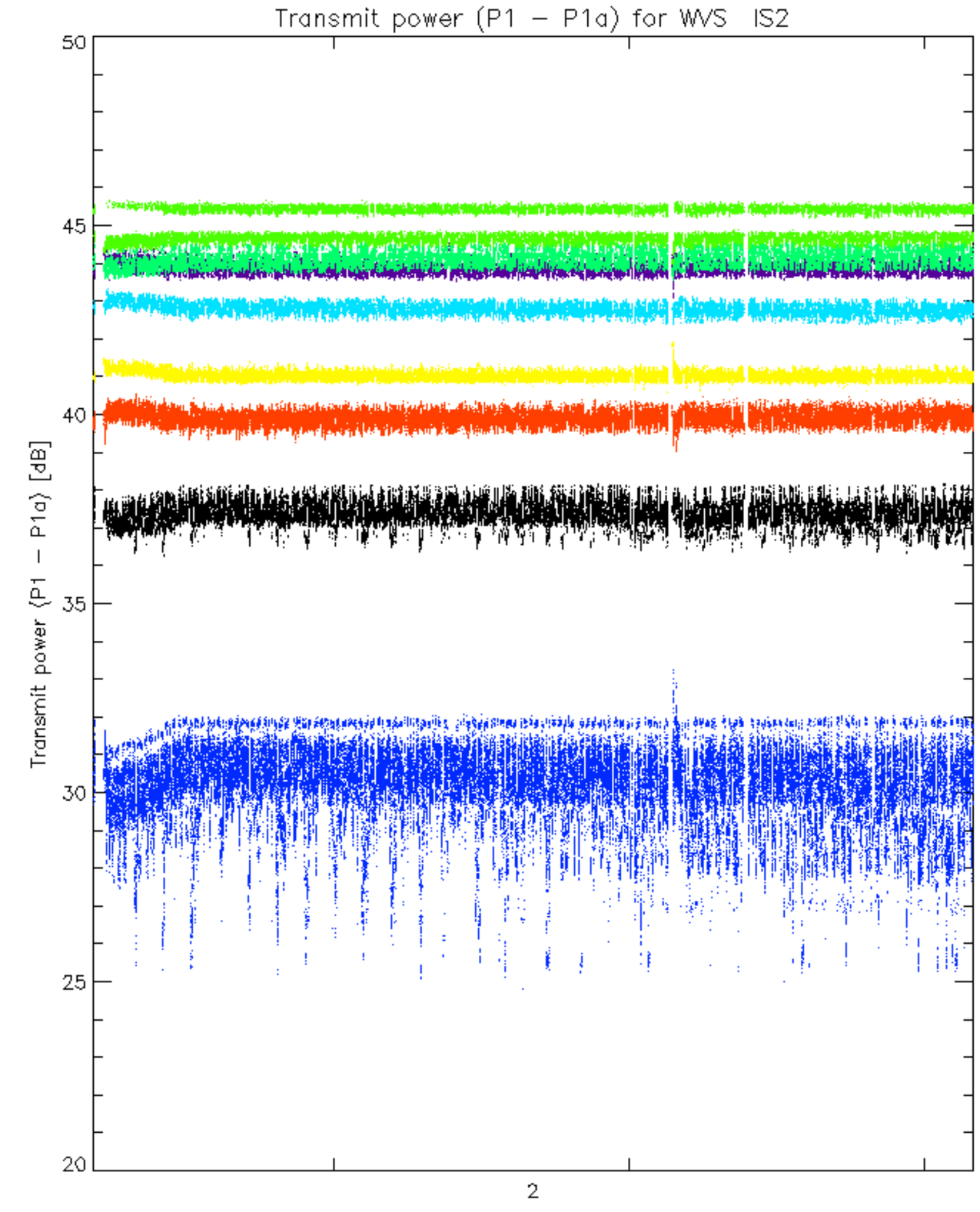
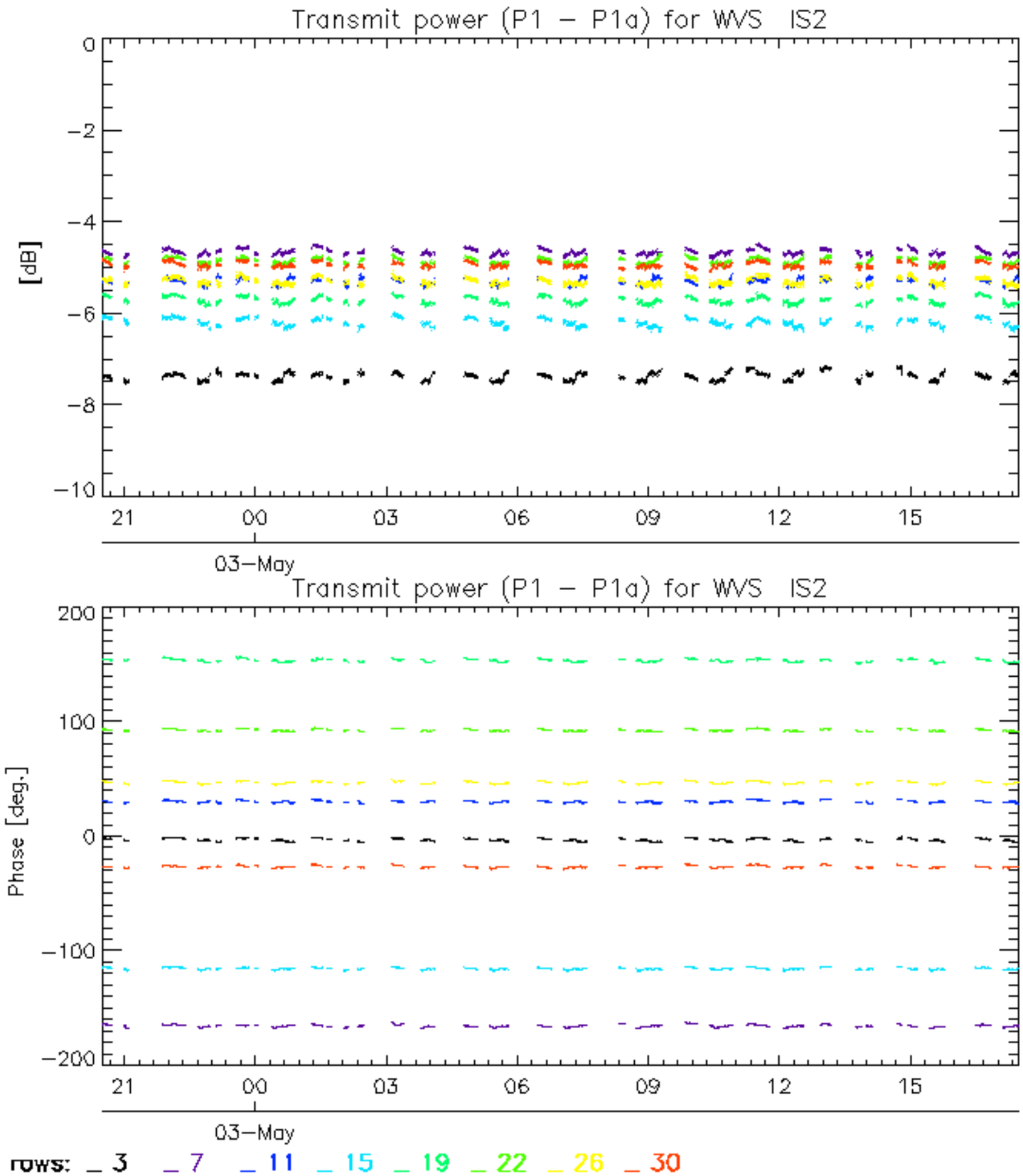

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.