PRELIMINARY REPORT OF 070416

last update on Mon Apr 16 19:30:45 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 2007-04-15 00:00:00 to 2007-04-16 19:30:46

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

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	48	81	6	2	36
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	48	81	6	2	36
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	48	81	6	2	36
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	48	81	6	2	36

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	43	58	38	8	66
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	43	58	38	8	66
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	43	58	38	8	66
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	58	38	8	66

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	20070416 054045
H	20070415 092008

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	-15.056990	0.153521	0.004102
7	P1a	-17.535526	0.129518	0.004215
11	P1a	-17.359022	0.321010	-0.643365
15	P1a	-12.940326	0.100237	-0.485023
19	P1a	-15.275185	0.067478	-0.415054
22	P1a	-15.852695	0.410713	-0.872887
26	P1a	-15.106704	0.183172	0.504296
30	P1a	-17.587818	0.274309	-0.820112

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.759878	0.010825	-0.025055
7	P1	-3.145568	0.009038	-0.012995
11	P1	-4.207652	0.012422	-0.045066
15	P1	-6.383892	0.018618	-0.129012
19	P1	-3.792272	0.009340	0.053478
22	P1	-4.743531	0.009065	-0.071554
26	P1	-3.934514	0.017874	0.110900
30	P1	-5.971075	0.009216	0.048584

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.659821	0.090186	-0.091705
7	P2	-21.582012	0.084893	0.101610
11	P2	-15.394430	0.110329	0.179748
15	P2	-7.123401	0.087016	-0.036781
19	P2	-9.121785	0.077638	0.036286
22	P2	-18.090239	0.075853	-0.014347
26	P2	-16.607866	0.078038	-0.048554
30	P2	-19.288073	0.081018	-0.017469

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.244525	0.005332	-0.027824
7	P3	-8.244525	0.005332	-0.027824
11	P3	-8.244525	0.005332	-0.027824
15	P3	-8.244525	0.005332	-0.027824
19	P3	-8.244525	0.005332	-0.027824
22	P3	-8.244525	0.005332	-0.027824
26	P3	-8.244525	0.005332	-0.027824
30	P3	-8.244525	0.005332	-0.027824

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	-11.179006	0.048312	-0.130545
7	P1a	-10.049605	0.069591	0.170062
11	P1a	-10.689932	0.049178	0.191156
15	P1a	-10.848948	0.136890	0.126605
19	P1a	-15.792775	0.068884	-0.159717
22	P1a	-21.290390	1.400461	-0.822410
26	P1a	-15.459083	0.375278	-0.584355
30	P1a	-18.363827	0.446743	0.360590

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.452471	0.019954	-0.034129
7	P1	-2.411126	0.010958	0.105898
11	P1	-2.898433	0.013321	0.106295
15	P1	-3.827399	0.028908	0.065271
19	P1	-3.585505	0.012098	-0.057431
22	P1	-4.989038	0.021448	0.078498

26	P1	-6.029677	0.021717	-0.065538
30	P1	-5.335111	0.025534	-0.062640

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.168114	0.045341	-0.191858
7	P2	-22.045319	0.073467	-0.265493
11	P2	-10.634183	0.033461	-0.139686
15	P2	-4.907108	0.037606	-0.172501
19	P2	-6.866768	0.034959	-0.157579
22	P2	-8.110179	0.031576	-0.078212
26	P2	-24.326626	0.052443	-0.208691
30	P2	-21.726677	0.060180	-0.028576

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091242	0.004493	-0.050407
7	P3	-8.091211	0.004500	-0.048454
11	P3	-8.090950	0.004496	-0.048643
15	P3	-8.090975	0.004490	-0.049927
19	P3	-8.091174	0.004526	-0.049386
22	P3	-8.091114	0.004473	-0.048109
26	P3	-8.091139	0.004486	-0.048683
30	P3	-8.091086	0.004483	-0.049803

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	0.000541235
	stdev	2.06497e-07
MEAN Q	mean	0.000492033
	stdev	2.46465e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135226
	stdev	0.00122563
STDEV Q	mean	0.135621
	stdev	0.00124345

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007041[456]
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_1PNPDK20070415_083228_000005542057_00179_26786_9326.N1	0	16
ASA_WVS_1PNPDK20070415_155855_000009742057_00183_26790_0003.N1	0	24
ASA_GM1_1PNPDK20070414_184051_000002052057_00170_26777_8892.N1	0	17
ASA_GM1_1PNPDK20070415_133943_000008702057_00182_26789_9670.N1	0	9
ASA_GM1_1PNPDK20070415_161605_000004222057_00183_26790_9996.N1	0	8

ASA_GM1_1PNPDK20070415_181115_000000842057_00184_26791_0126.N1	0	13
ASA_GM1_1PNPDK20070416_104529_000007852057_00194_26801_0620.N1	0	9
ASA_GM1_1PNPDK20070416_113741_000003382057_00195_26802_0690.N1	0	7
ASA_GM1_1PNPDK20070416_140352_000009242057_00196_26803_0926.N1	0	14
ASA_WSM_1PNPDE20070414_112338_000001032057_00166_26773_1589.N1	0	74
ASA_WSM_1PNPDE20070414_190229_000000982057_00171_26778_1758.N1	0	40
ASA_WSM_1PNPDE20070415_151023_000002872057_00183_26790_2865.N1	0	51
ASA_WSM_1PNPDK20070414_140424_000000792057_00168_26775_8663.N1	0	53
ASA_APM_1PNPDE20070414_231454_000000422057_00173_26780_2011.N1	10	0

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

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

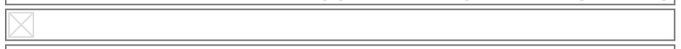
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.5 - Absolute Doppler for GM1

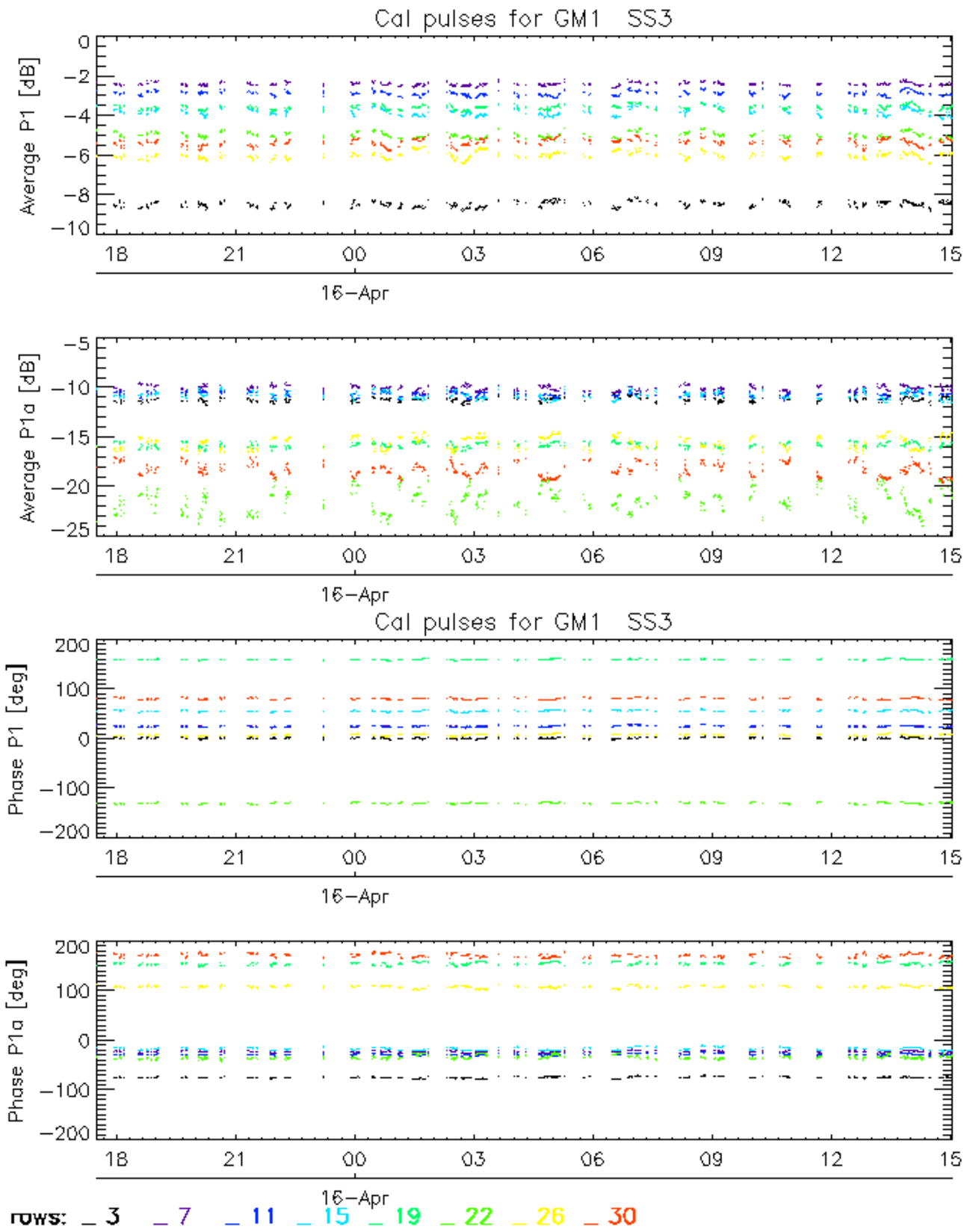
Evolution of Absolute Doppler

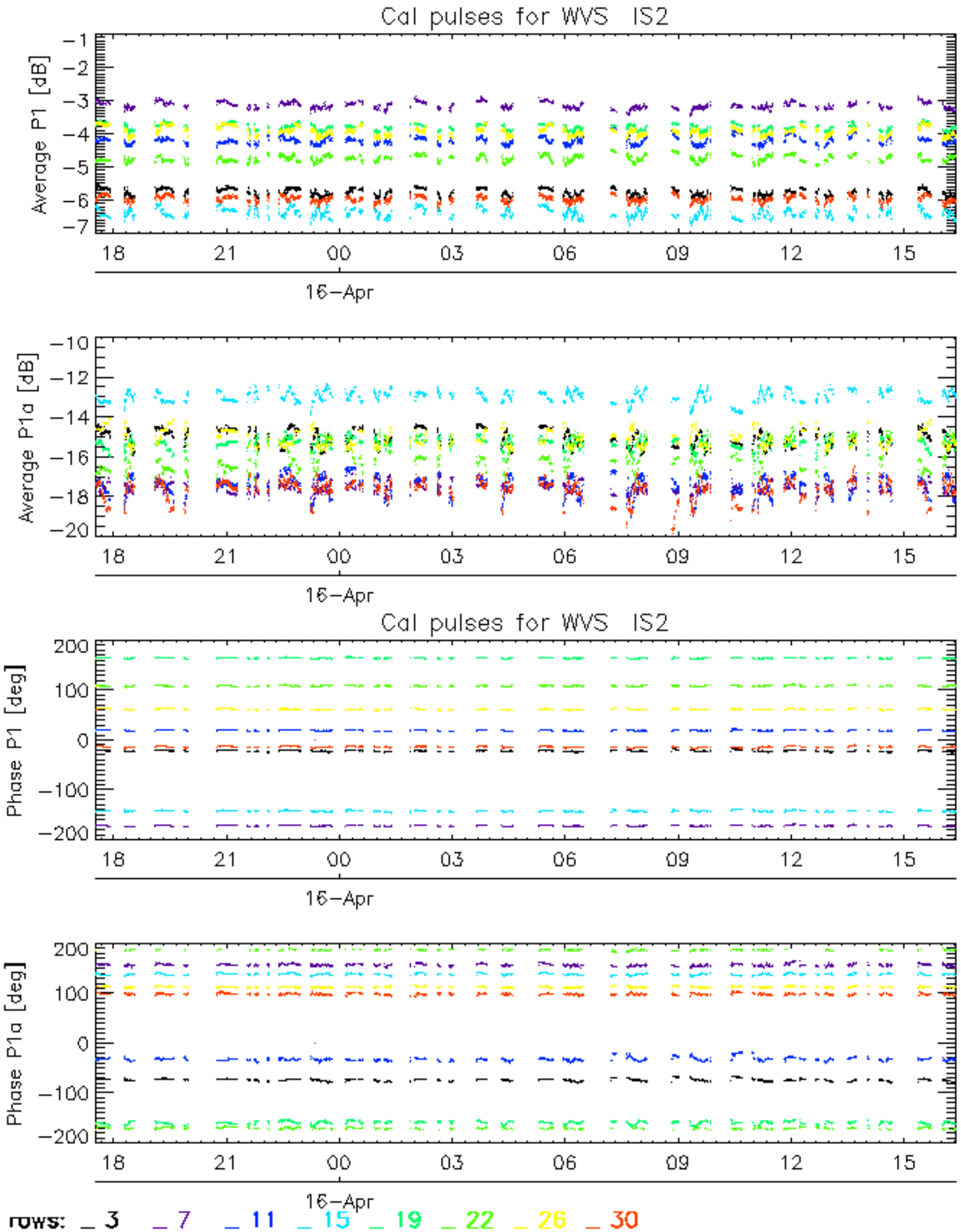
Acsending

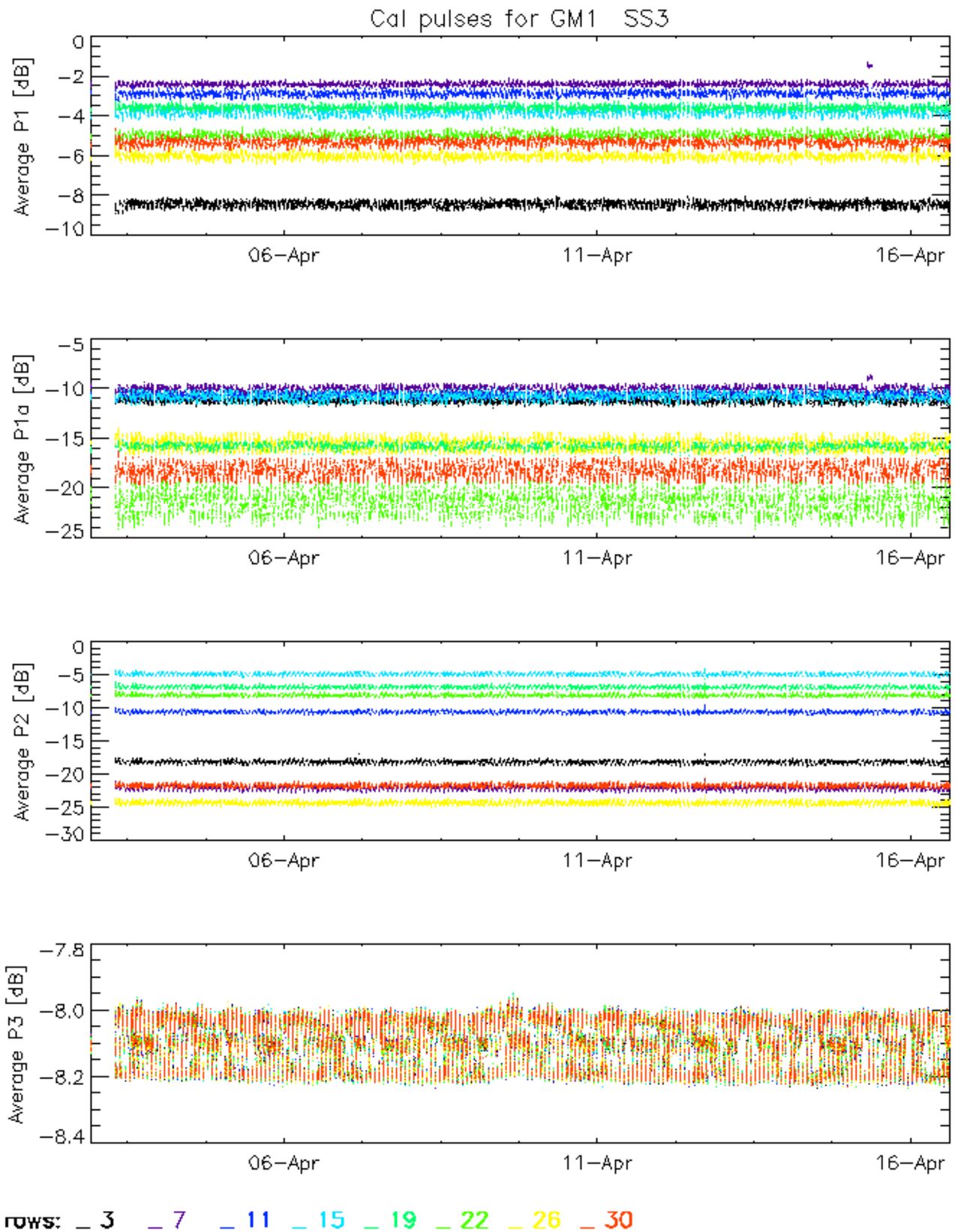
Descending

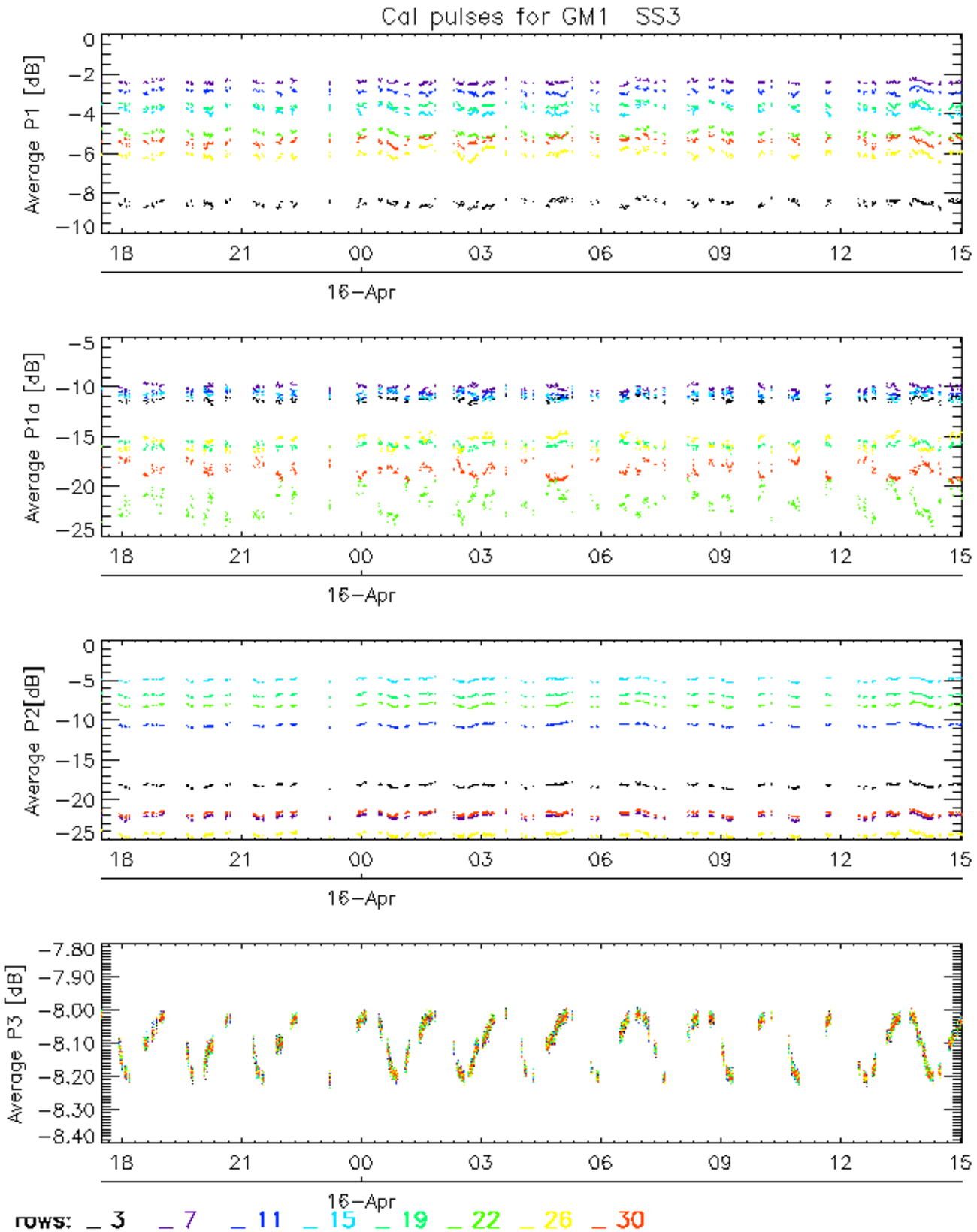
7.6 - Doppler evolution versus ANX for GM1

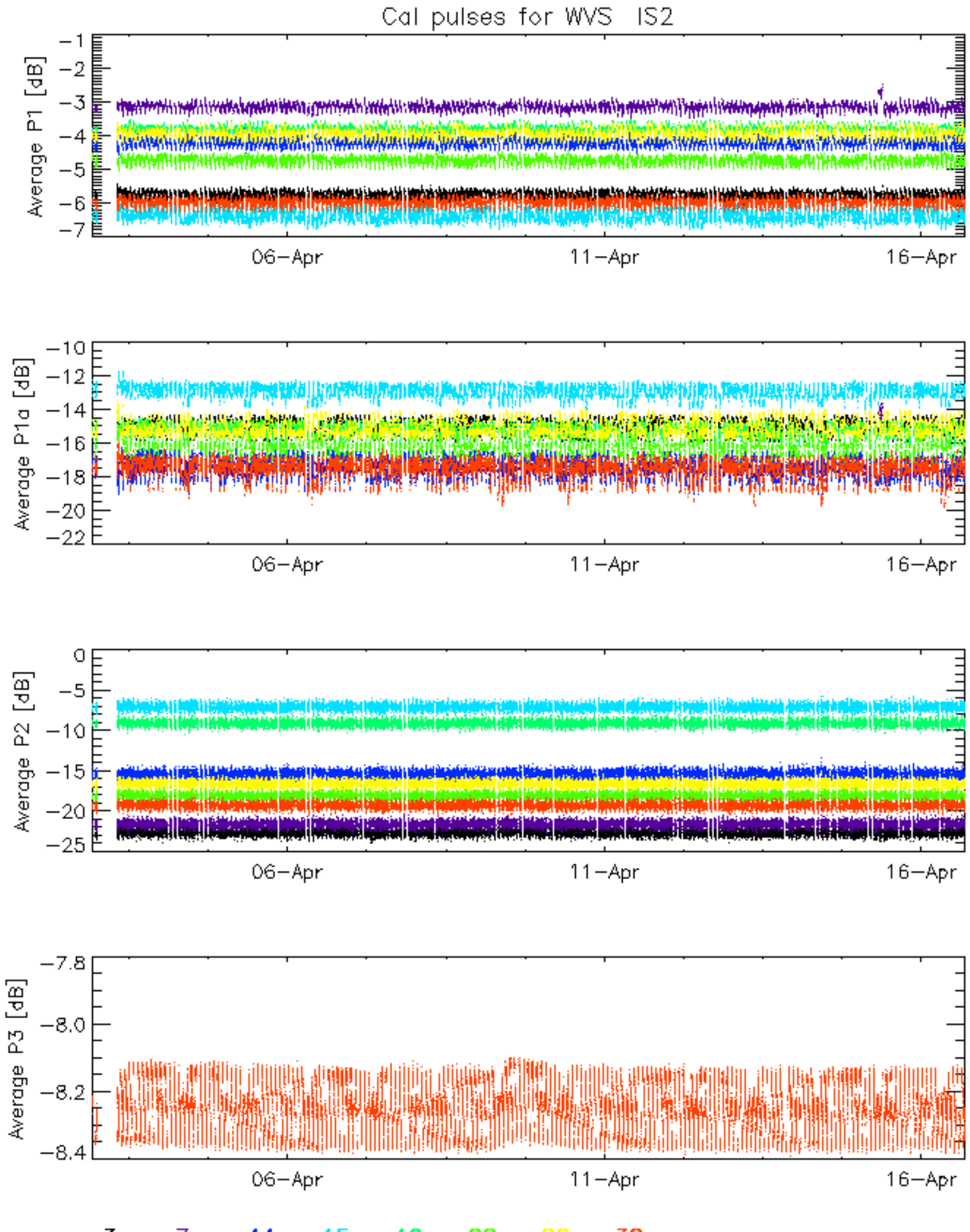
Evolution Doppler error versus ANX

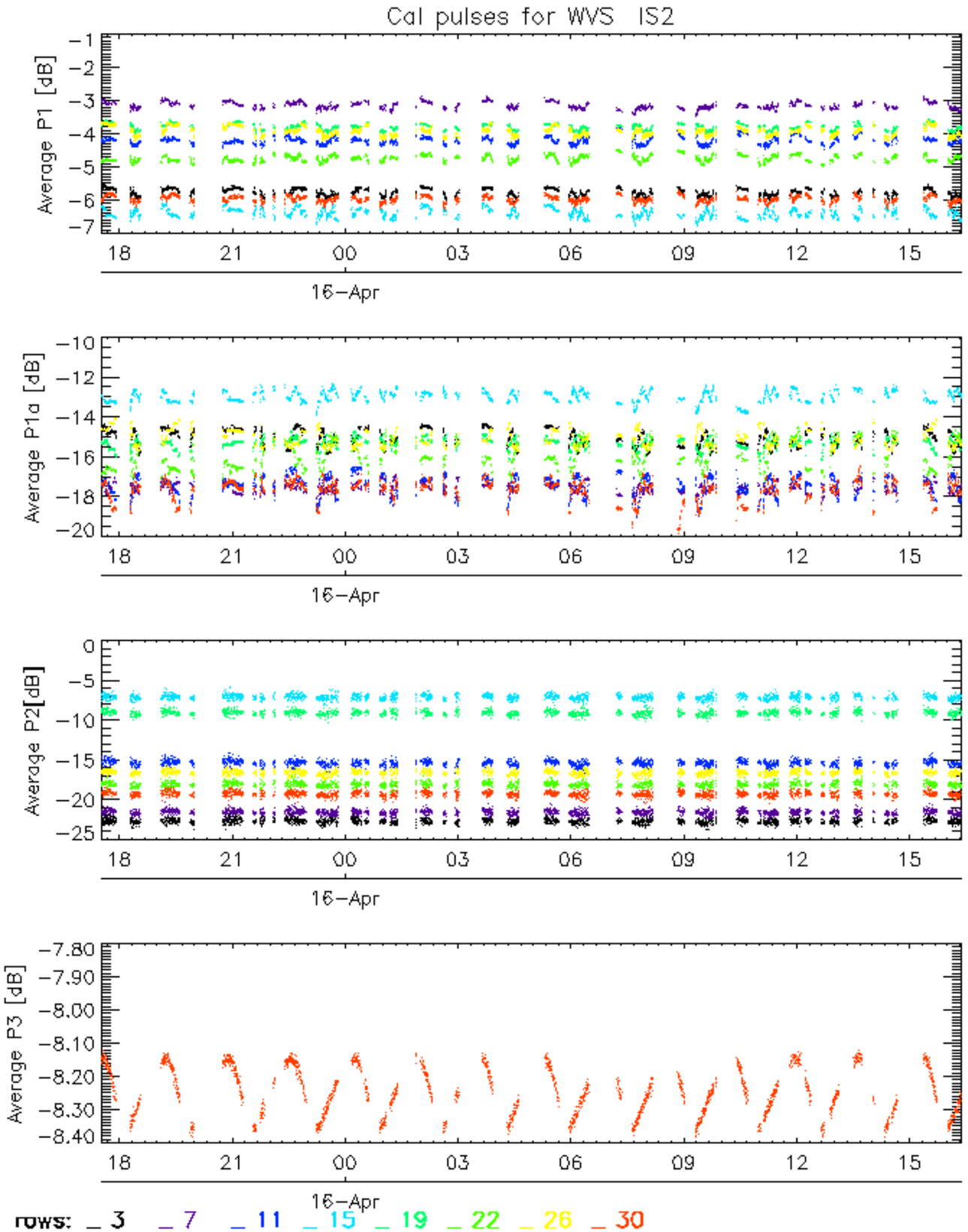


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
15
16−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
06−Apr
11−Apr
16−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
06−Apr
11−Apr
16−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

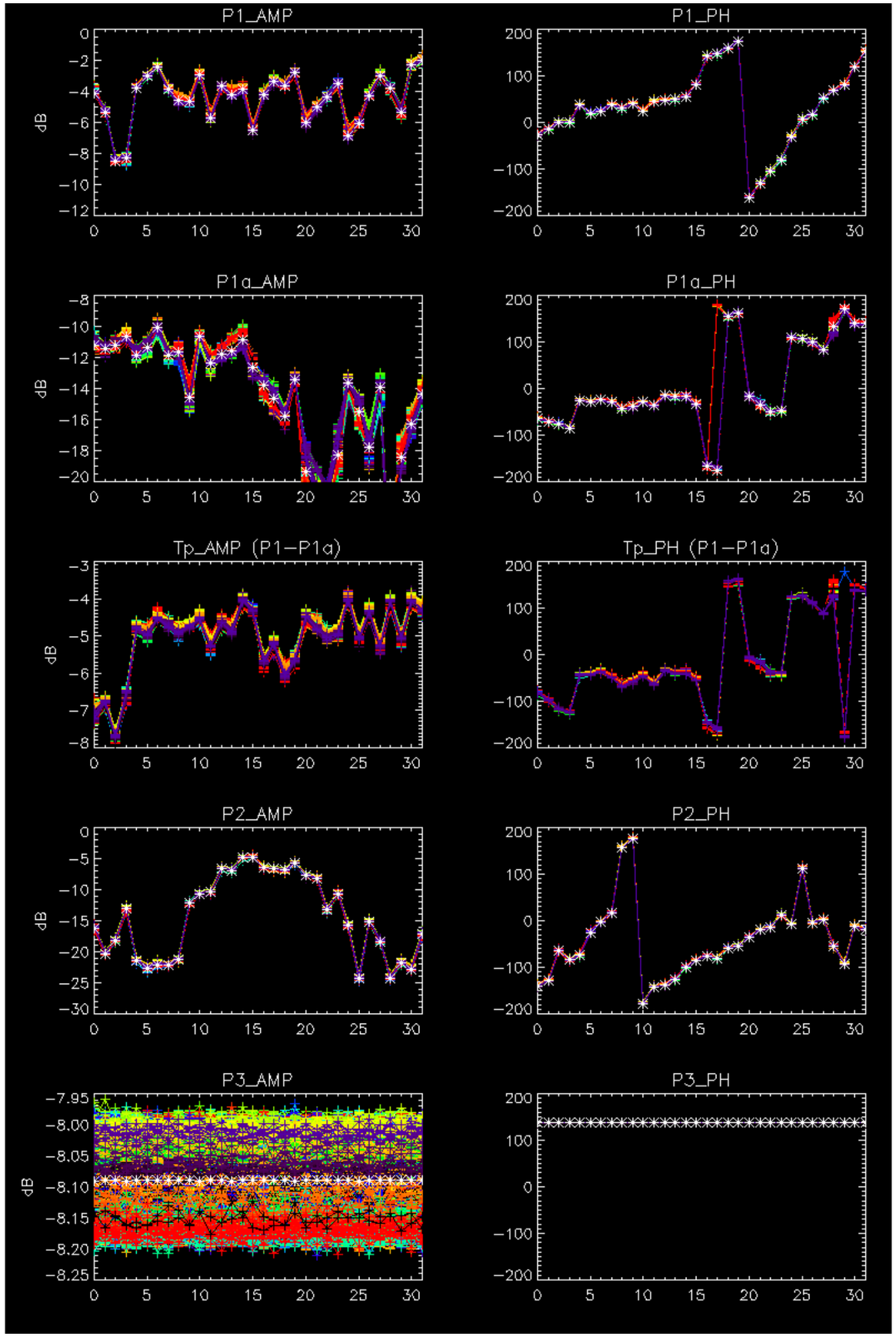

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
15
16−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

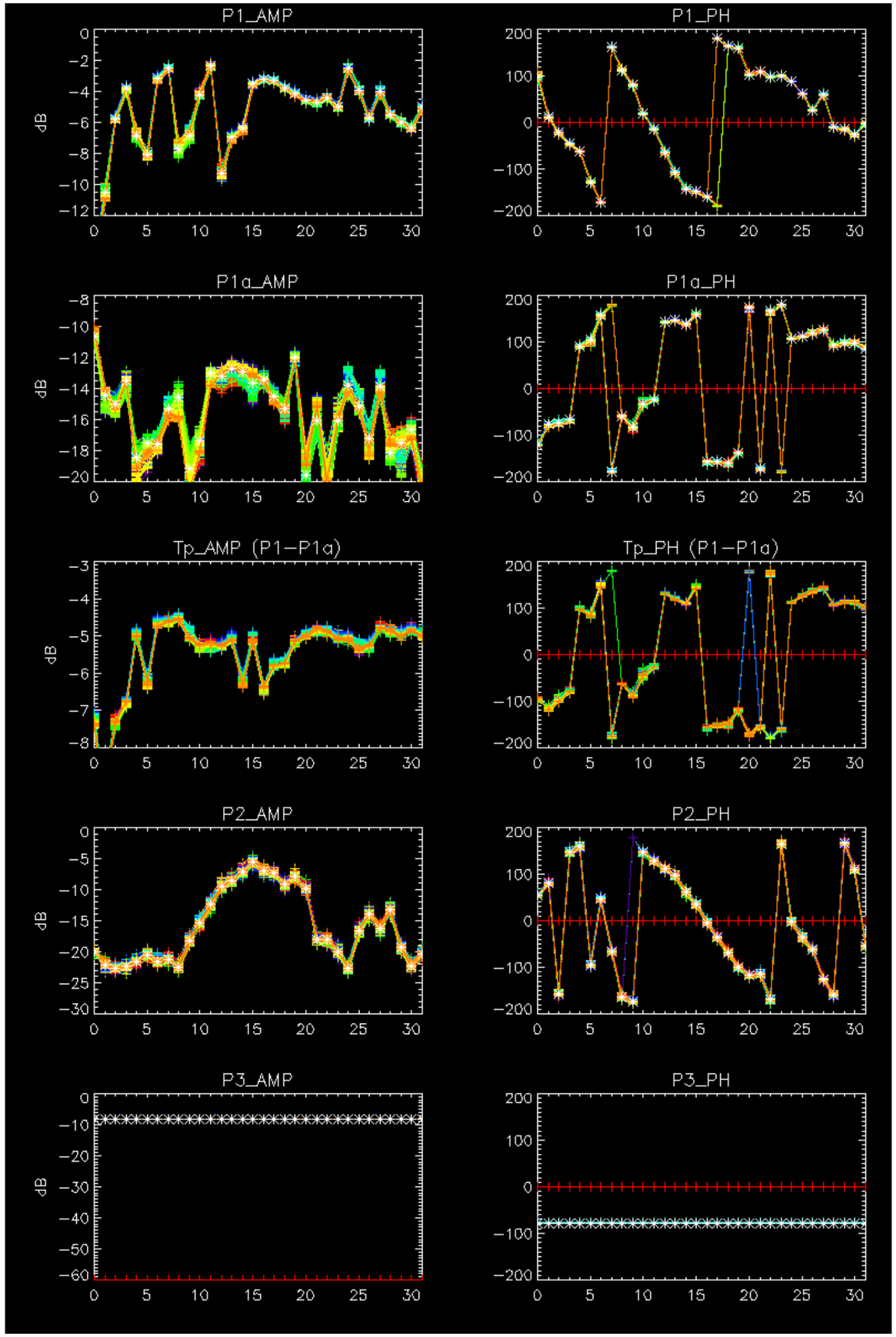

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
06−Apr
11−Apr
16−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26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


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

No anomalies observed on available browse products

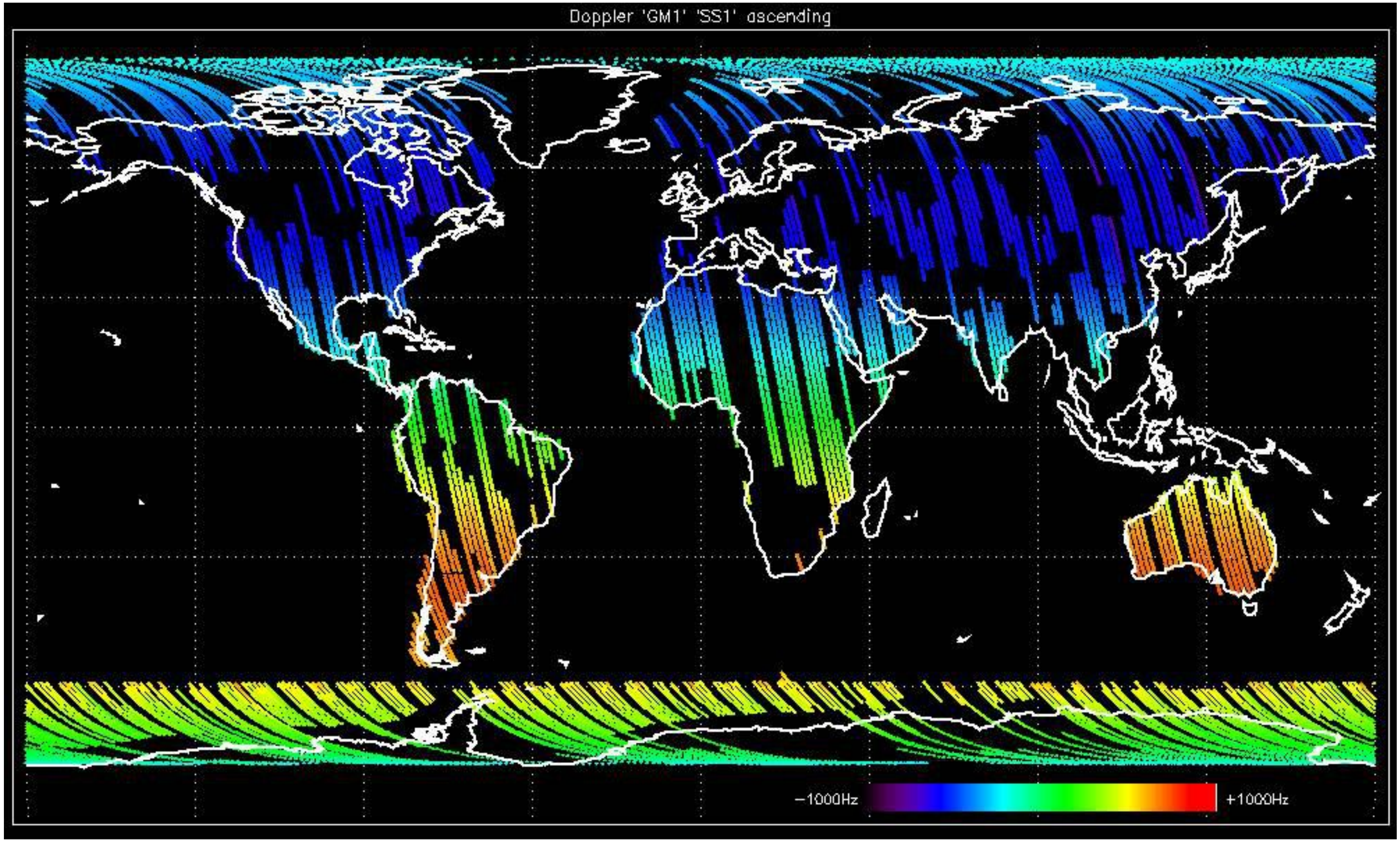
No anomalies observed.

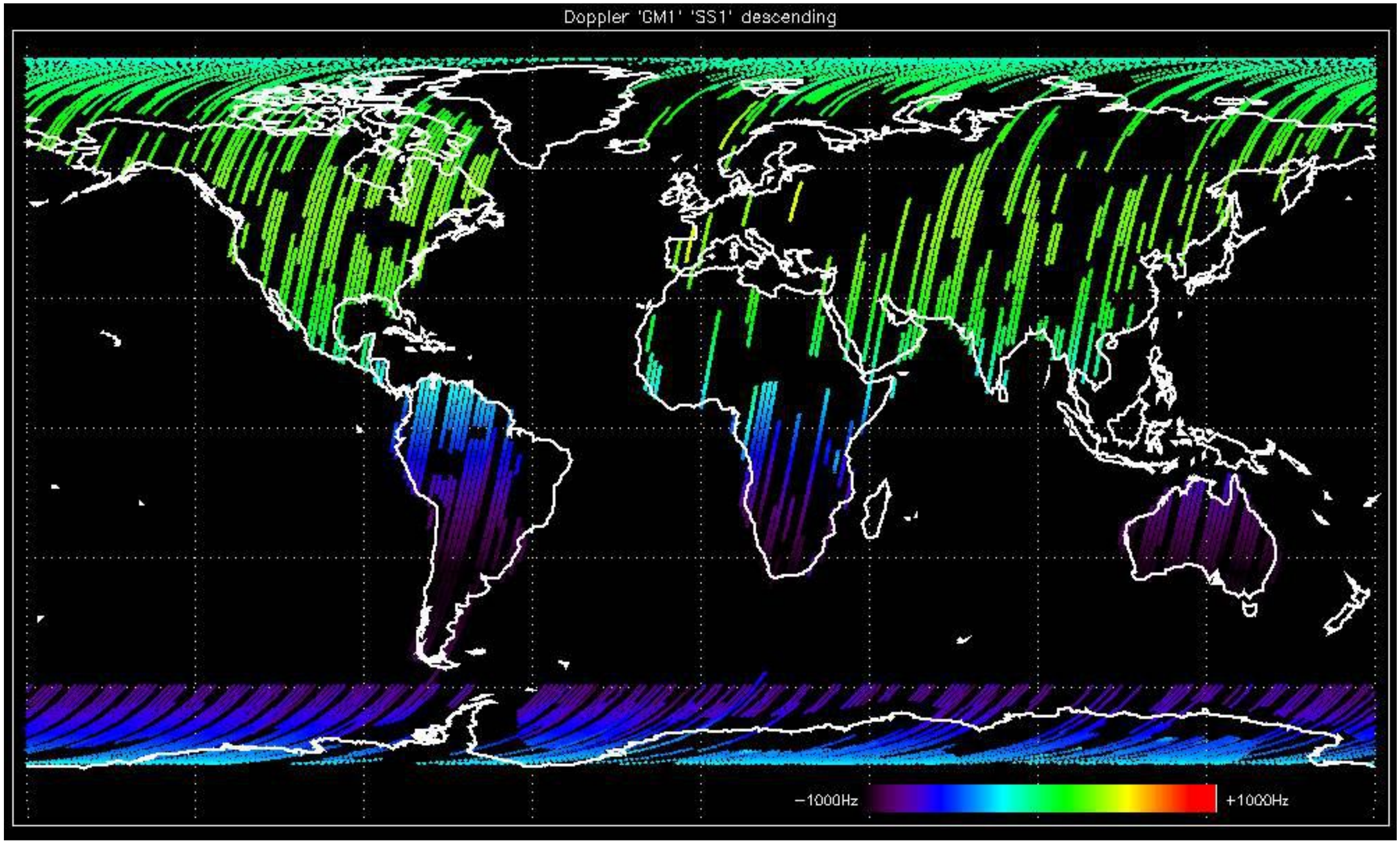

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

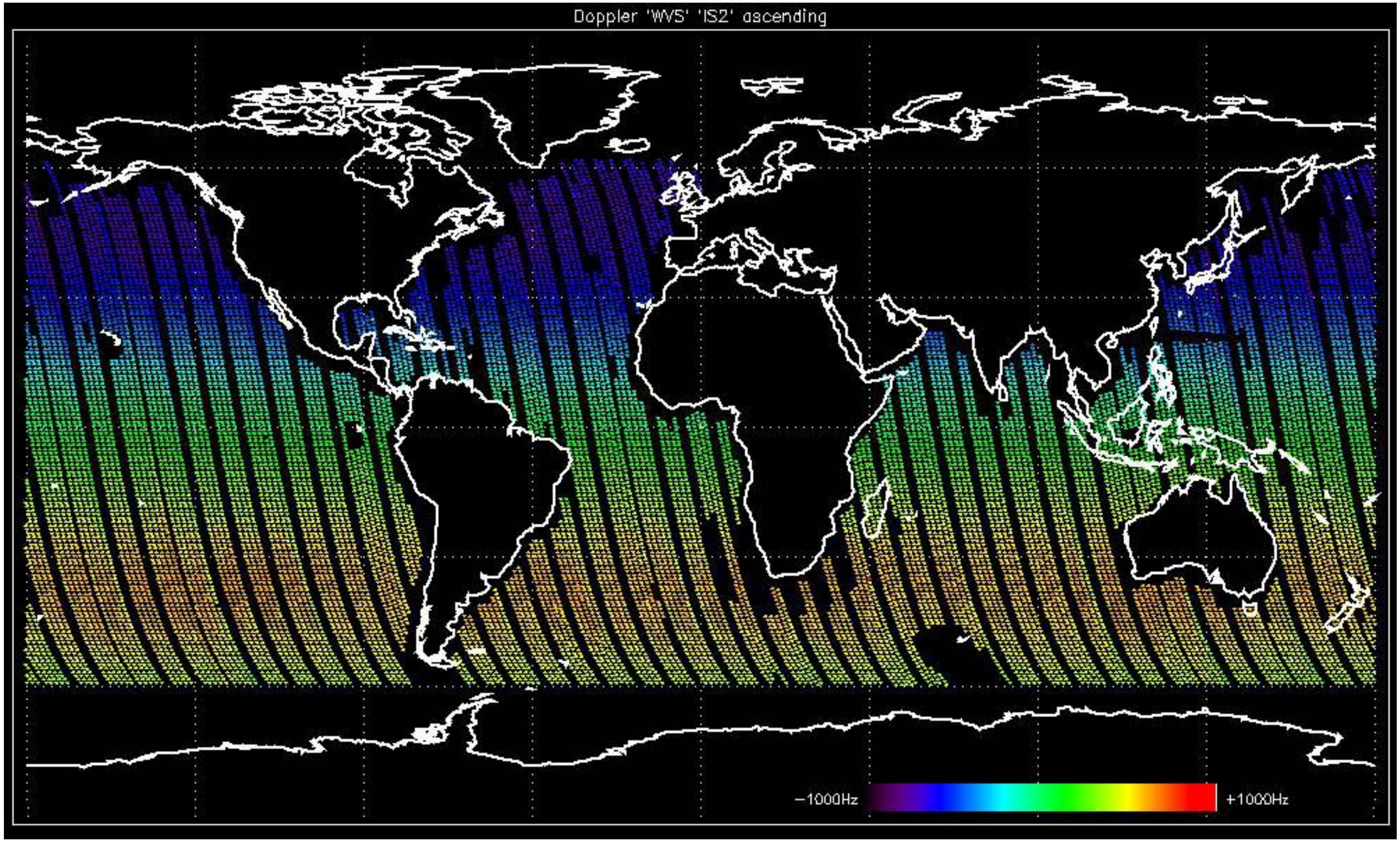

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

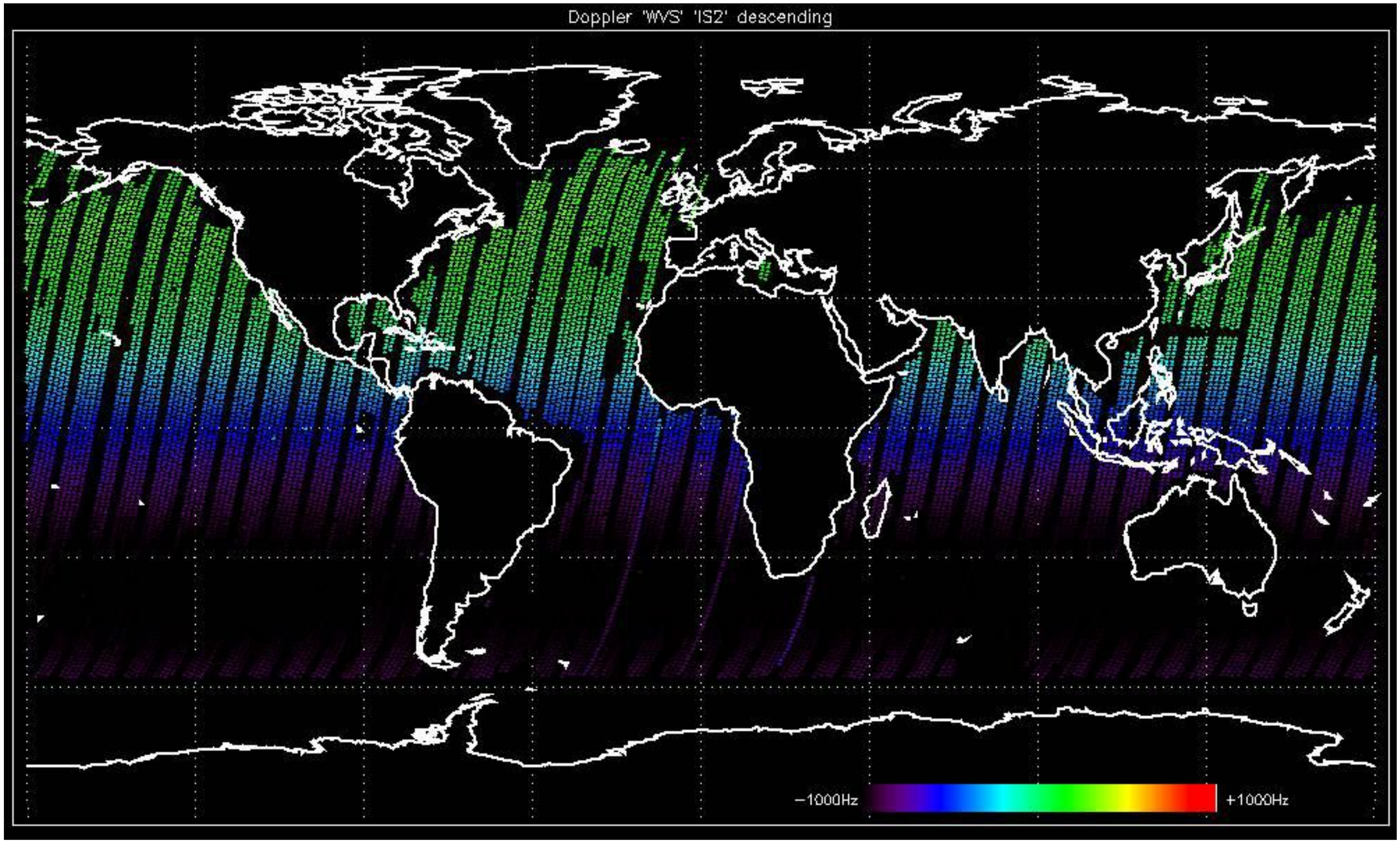
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

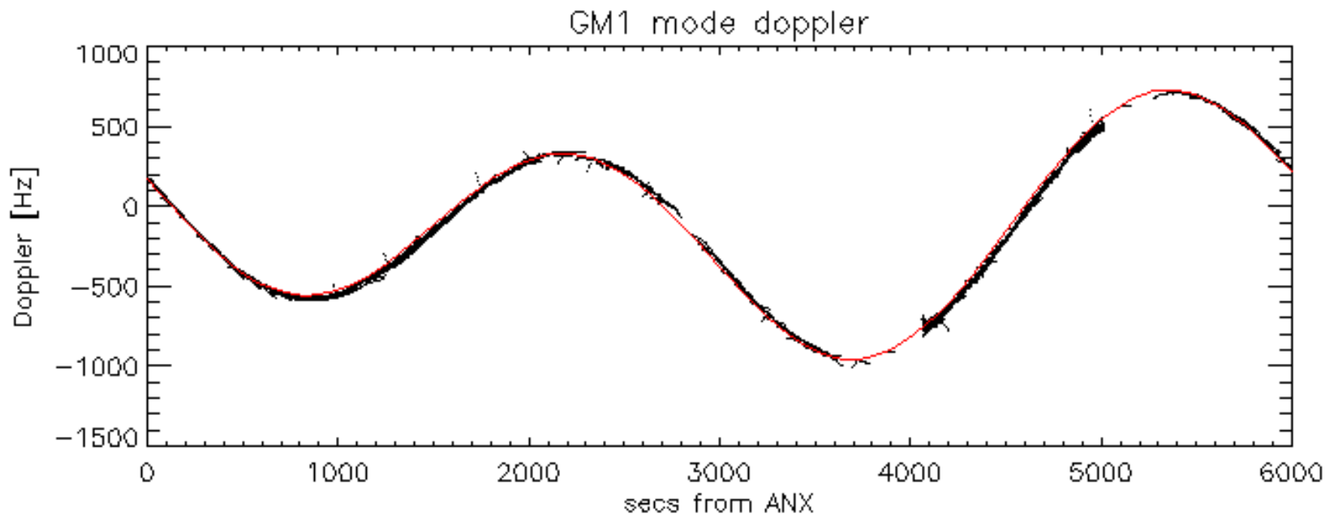
Preliminary report.The data is not yet controled

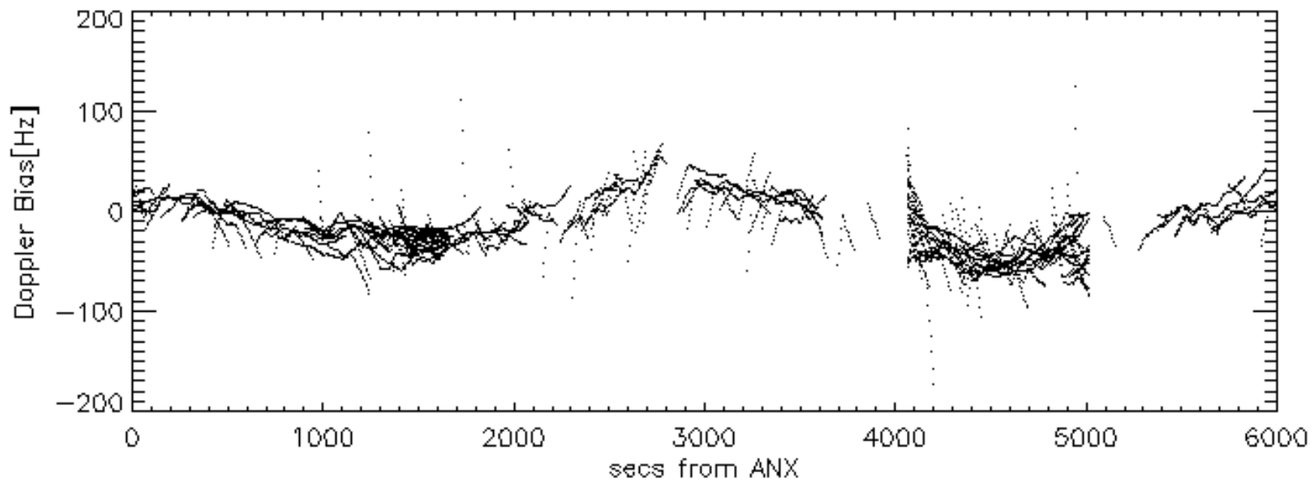

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

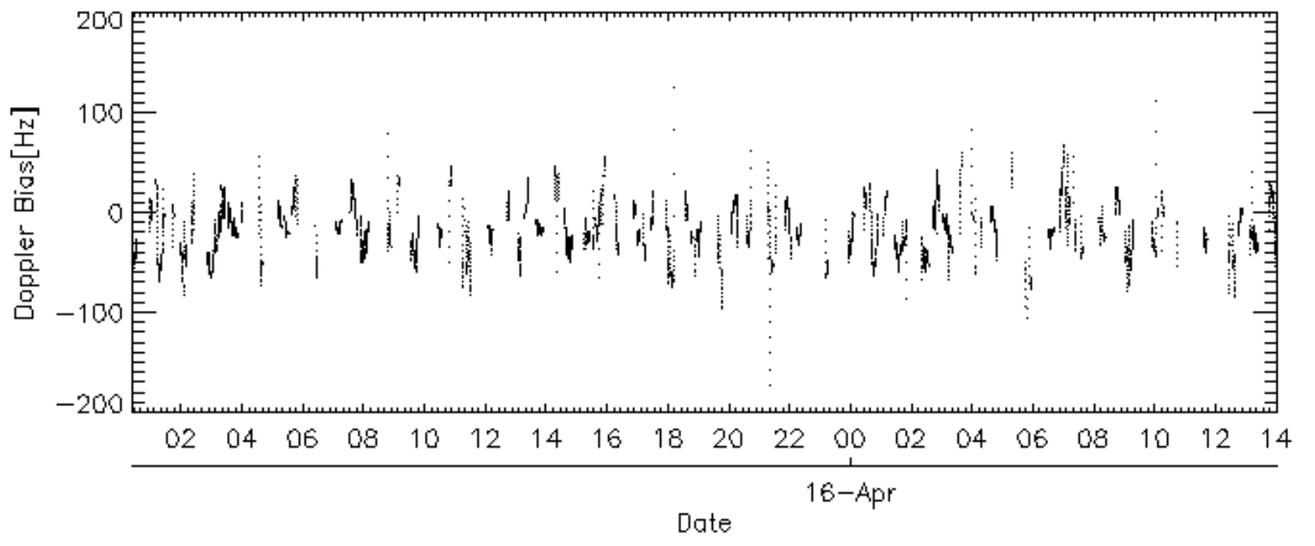

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

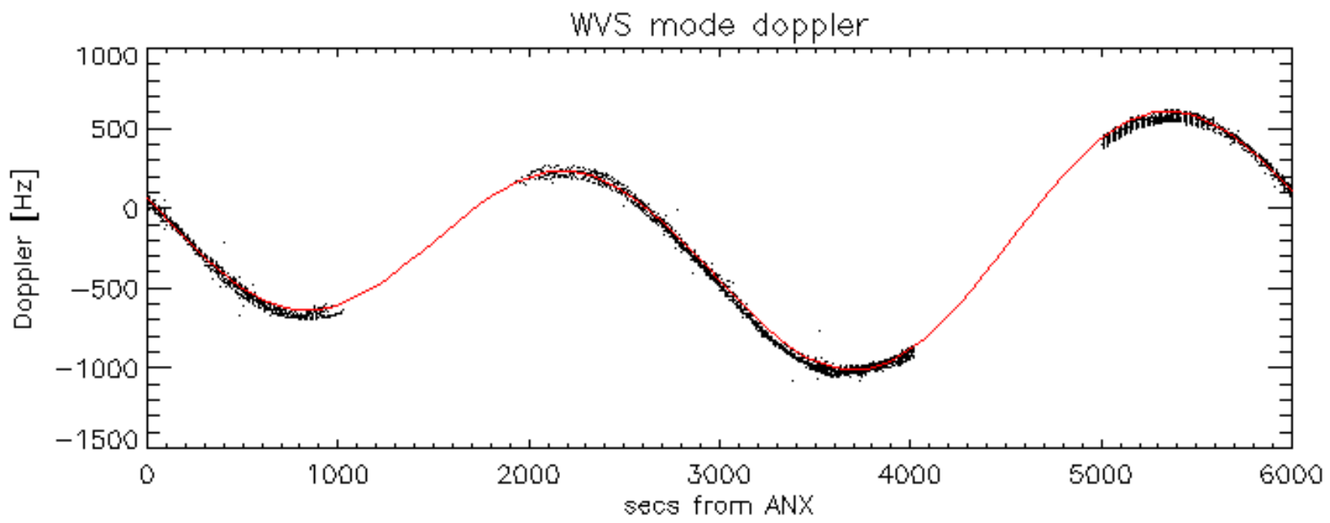

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

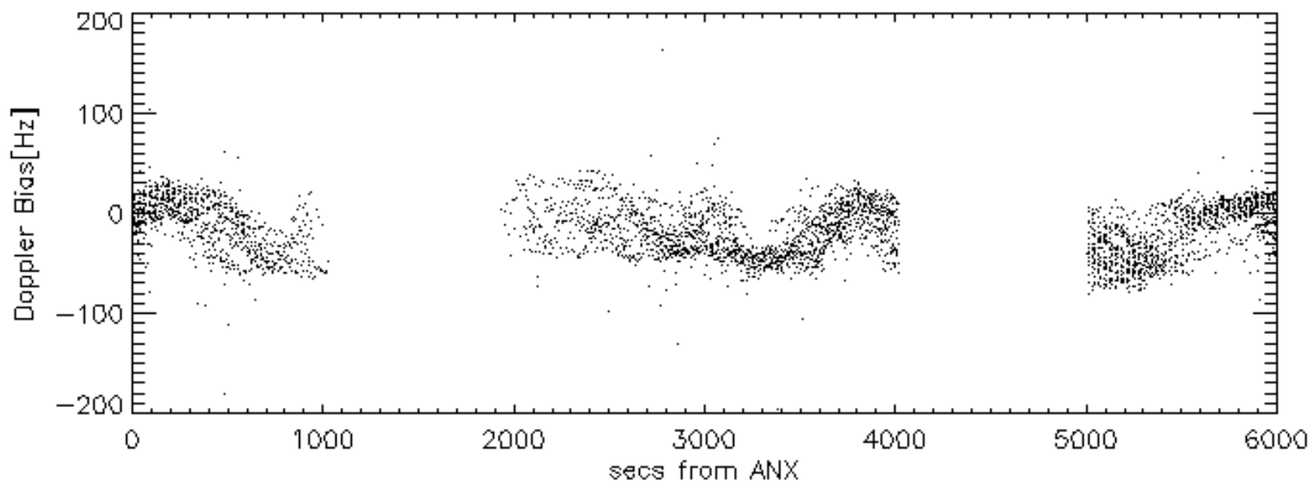

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

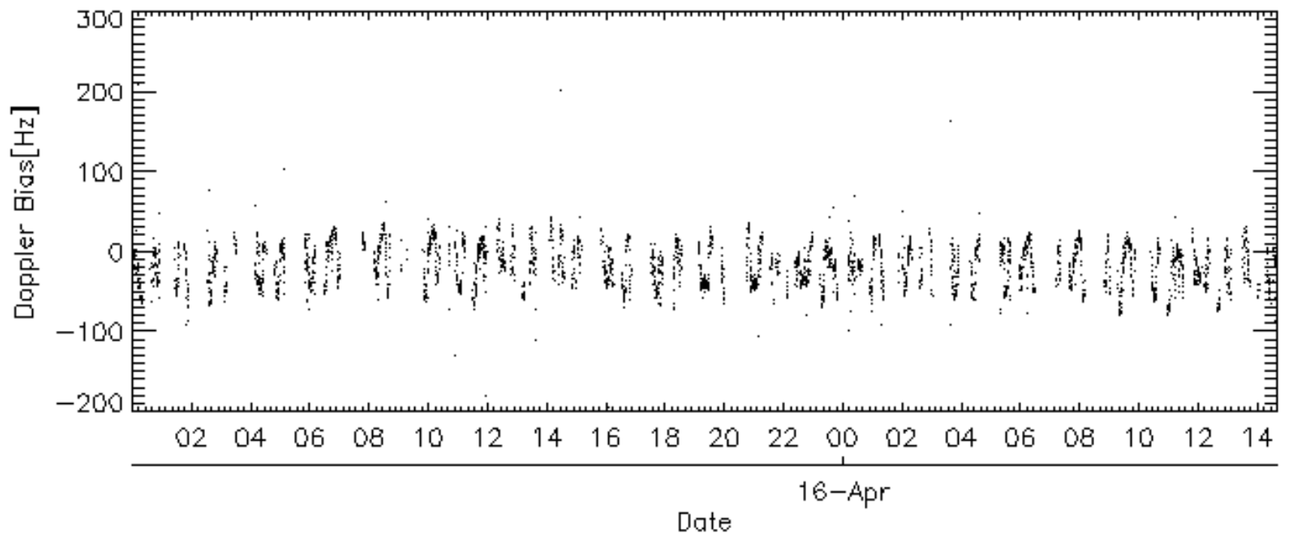

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

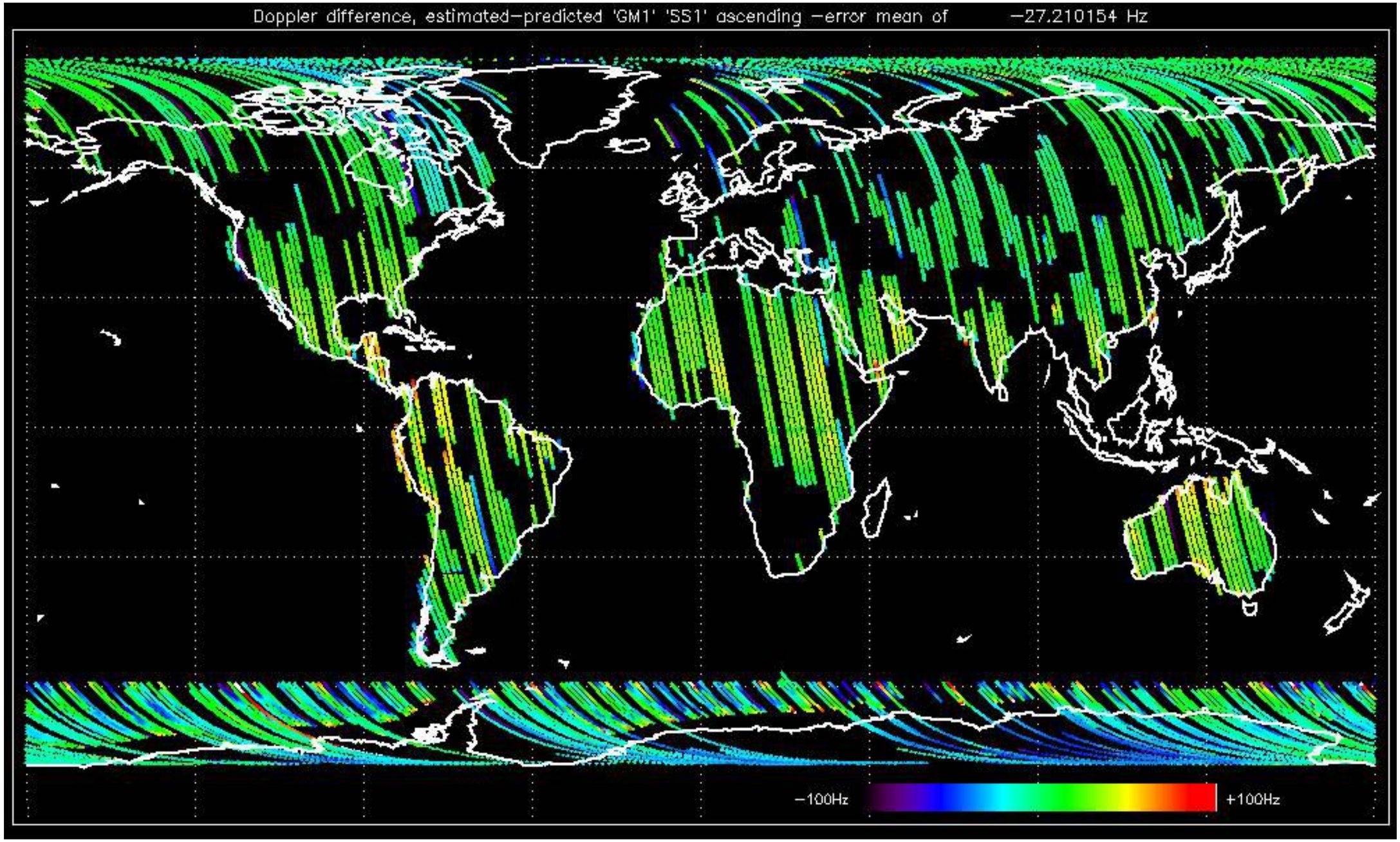

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

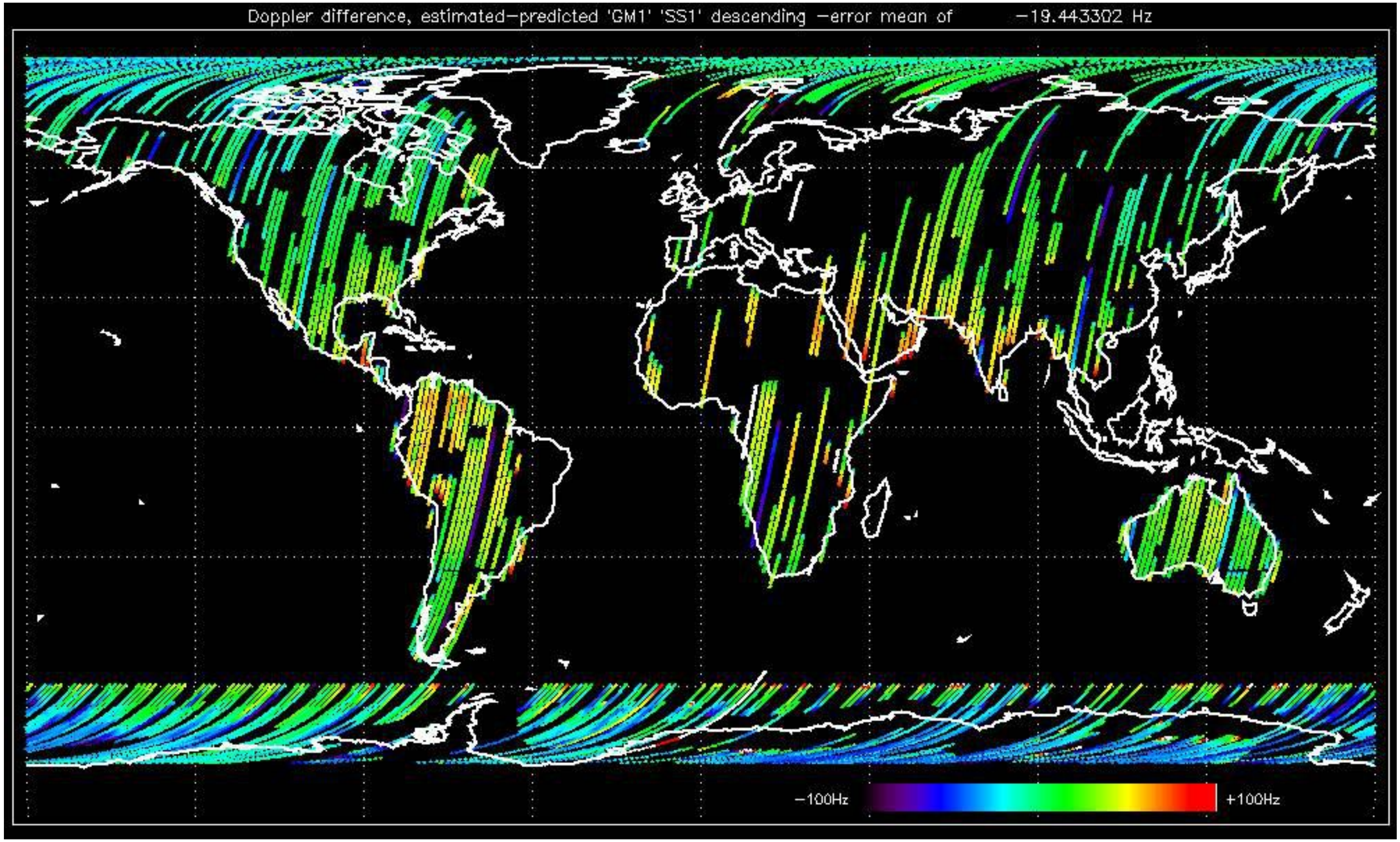

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
16−Apr
Date

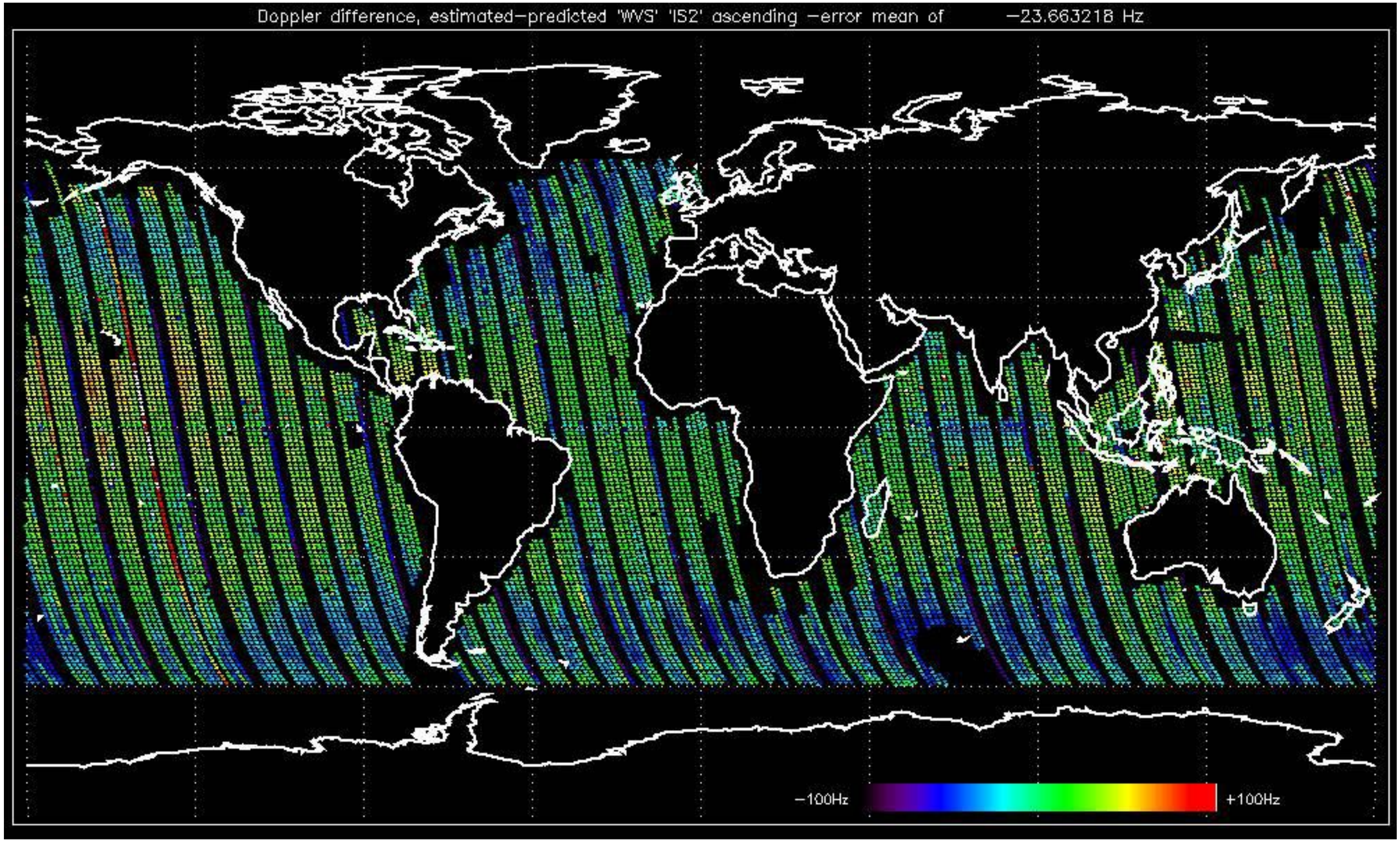

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

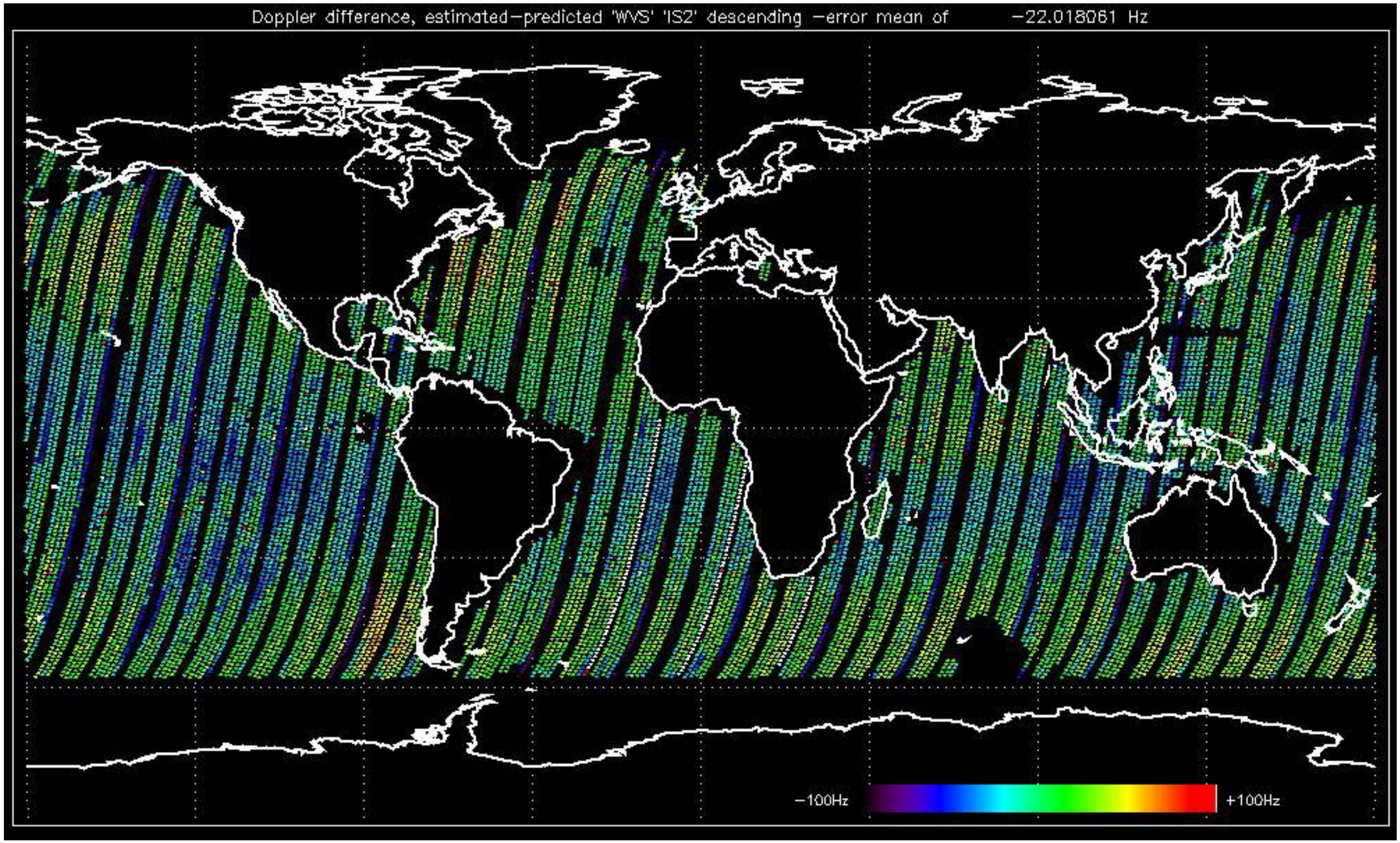

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −27.210154 Hz
−100Hz
+100Hz

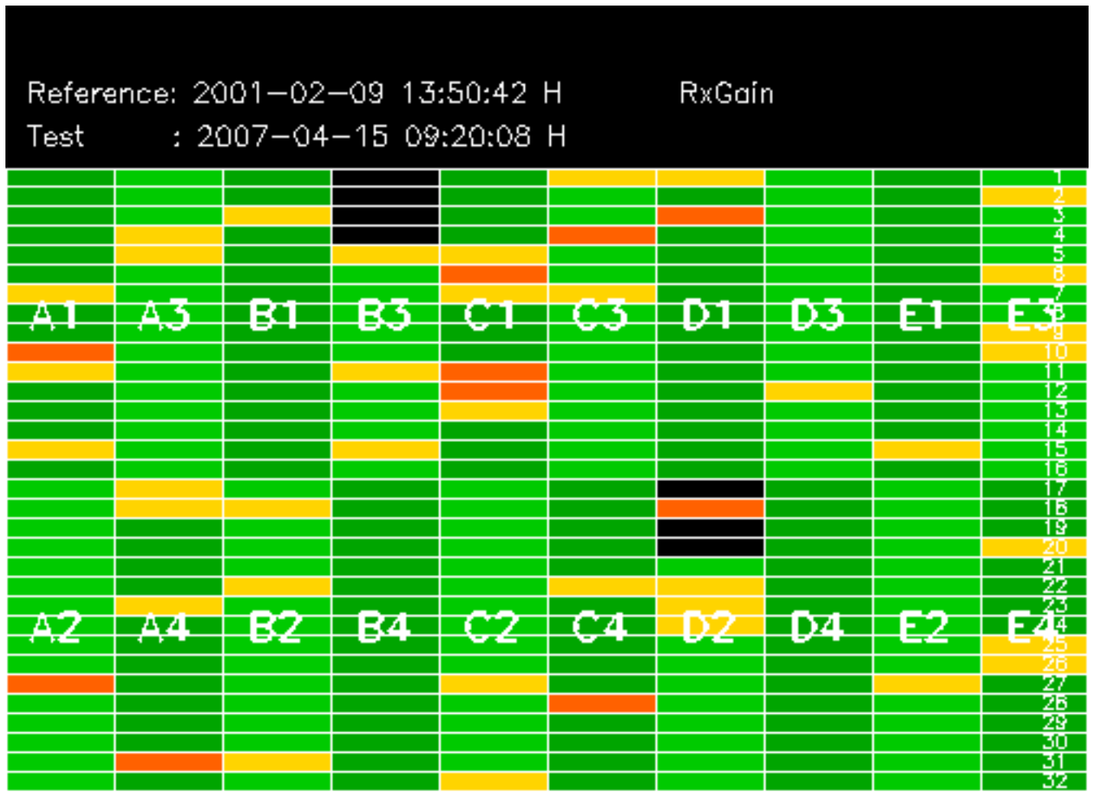

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -19.443302 Hz
-100Hz
+100Hz

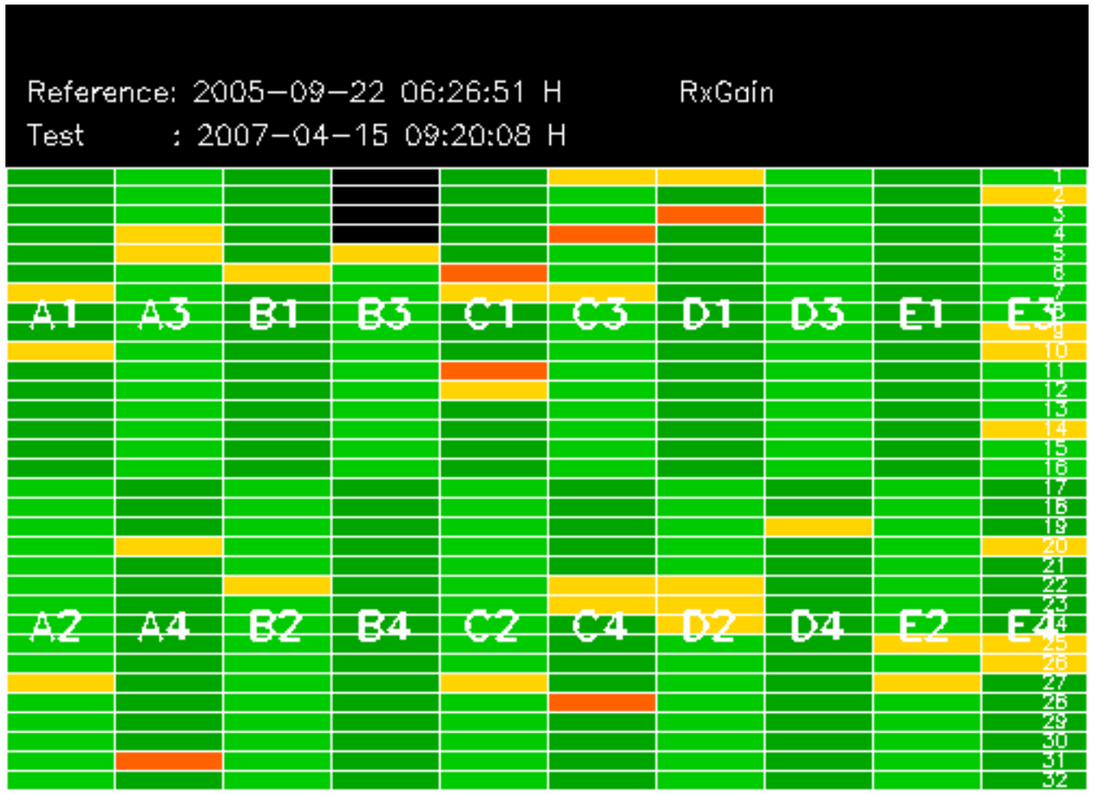

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −23.663218 Hz
−100Hz
+100Hz

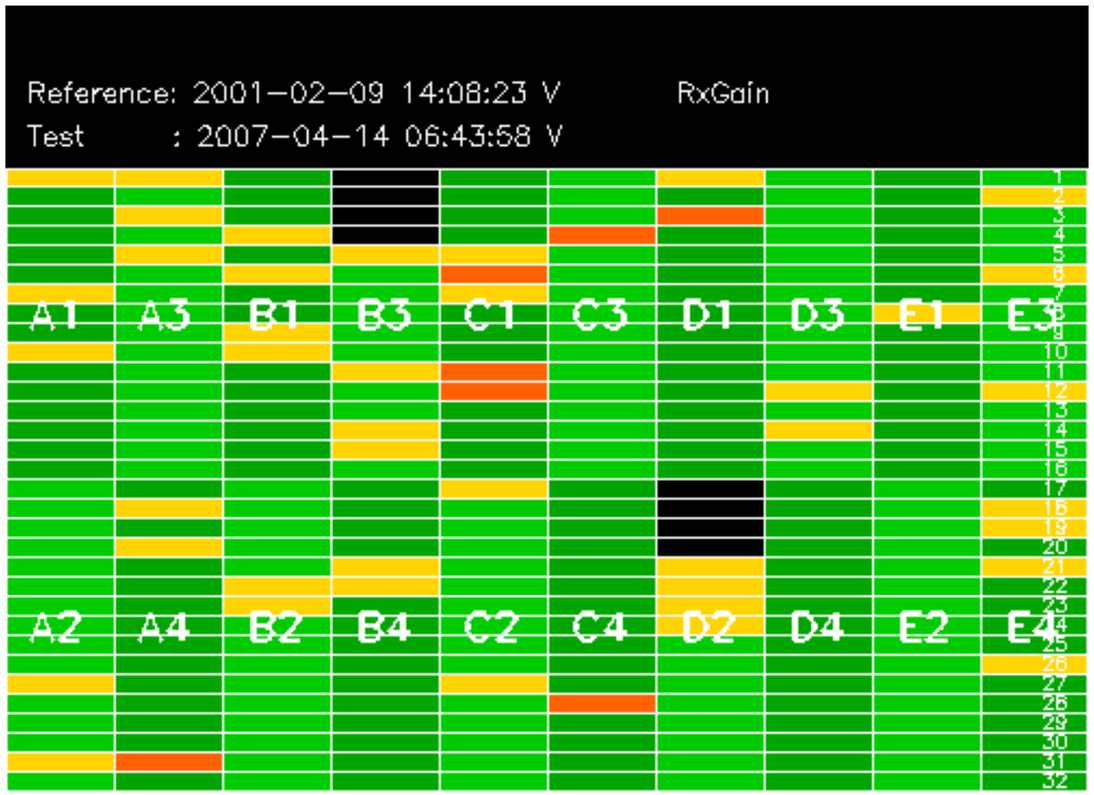

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −22.018061 Hz
−100Hz
+100Hz

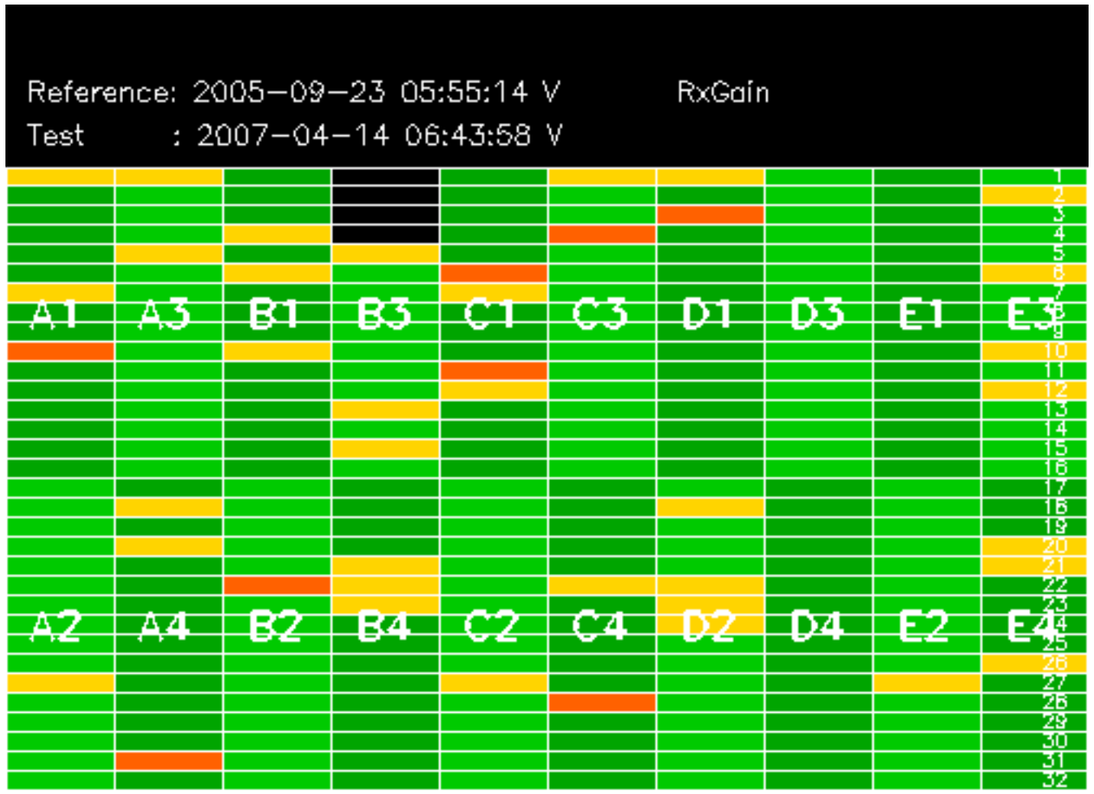
No anomalies observed on available MS products:

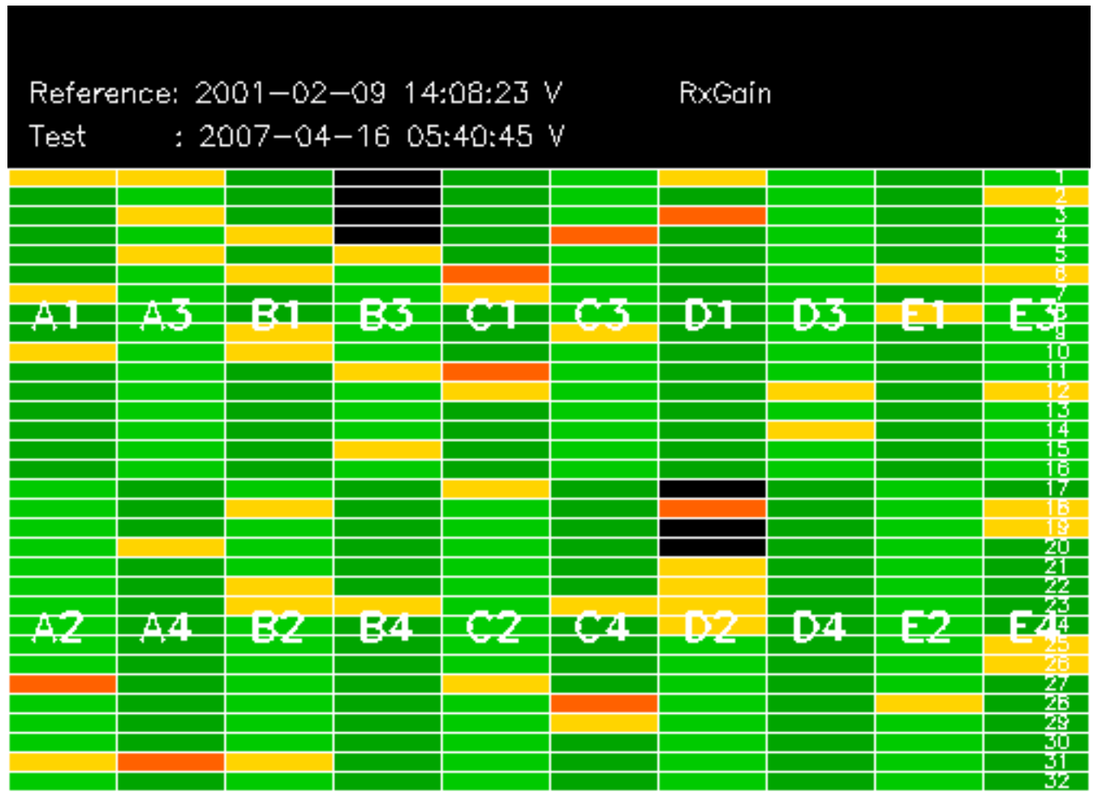
No anomalies observed.

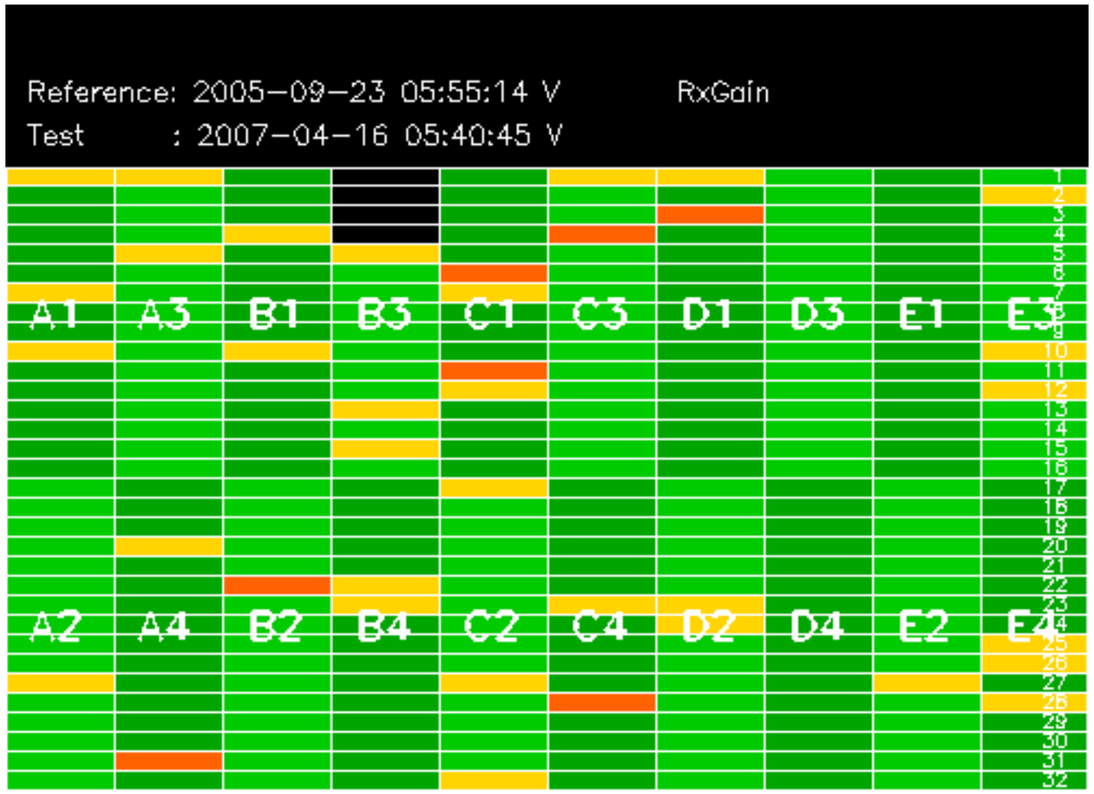

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-15 09:20:08 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-04-15 09:20:08 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-14 06:43:58 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 : 2007-04-14 06:43:58 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
RxGain
Test : 2007-04-16 05:40:45 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 : 2007-04-16 05:40:45 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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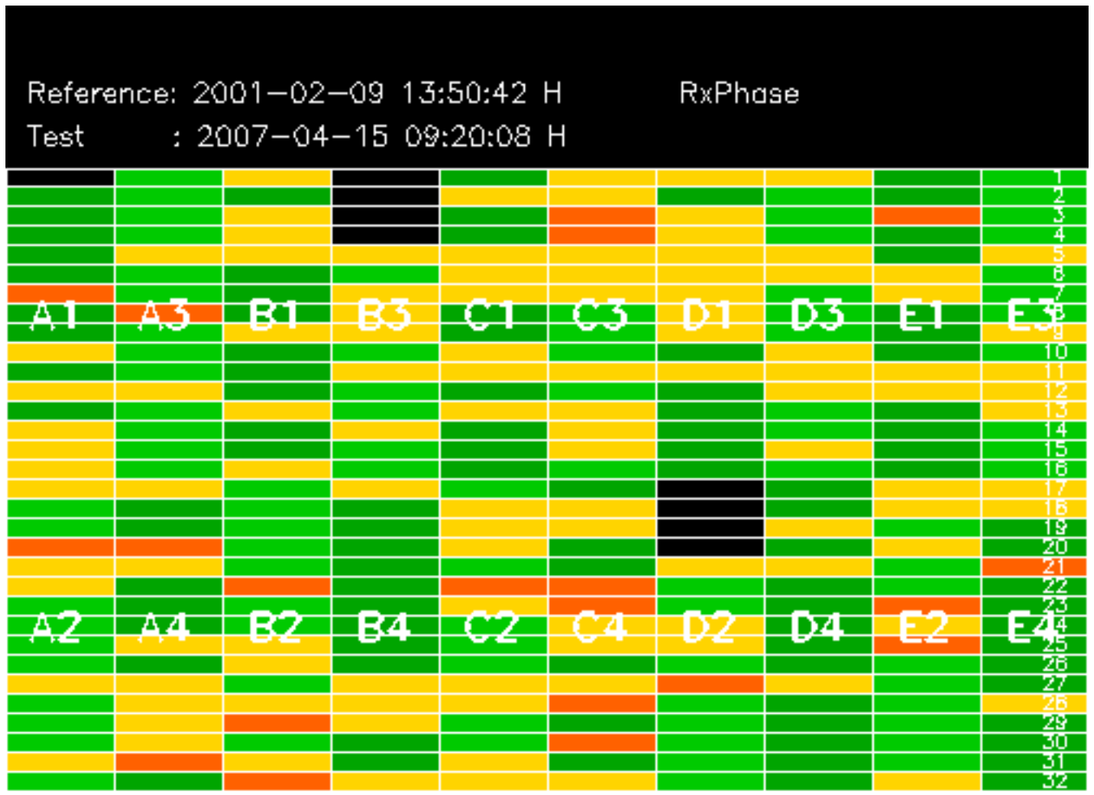
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-15 09:20:08 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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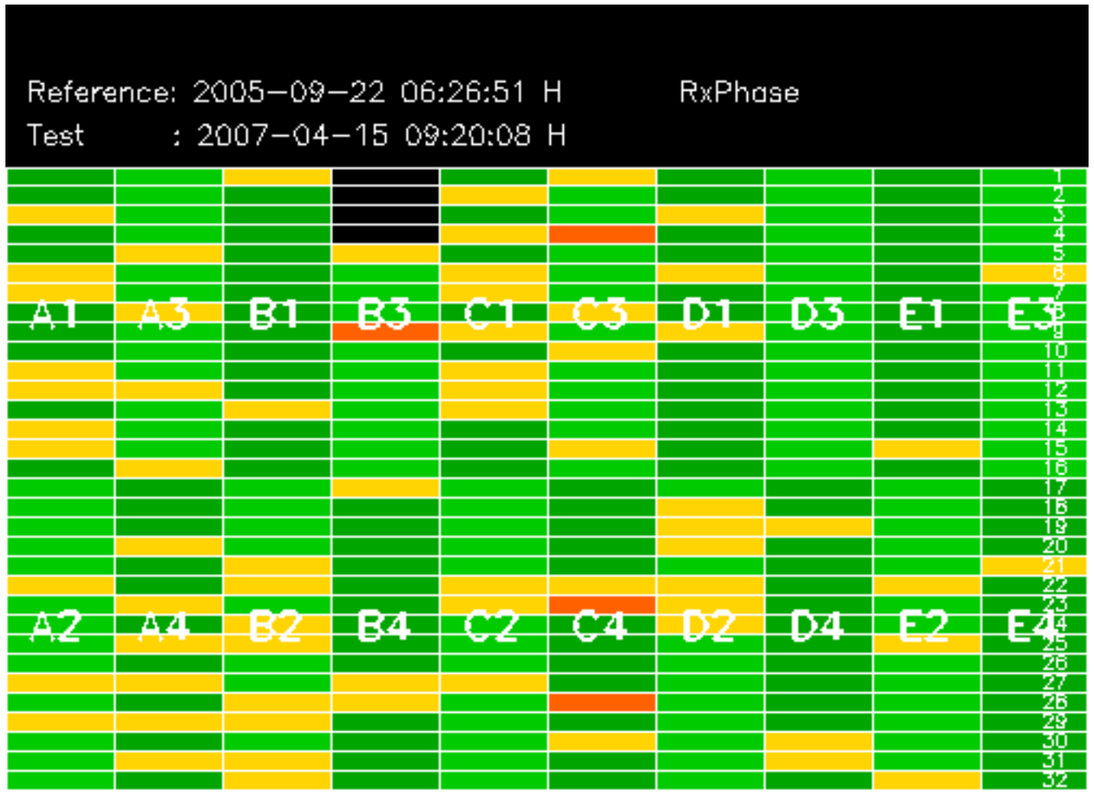
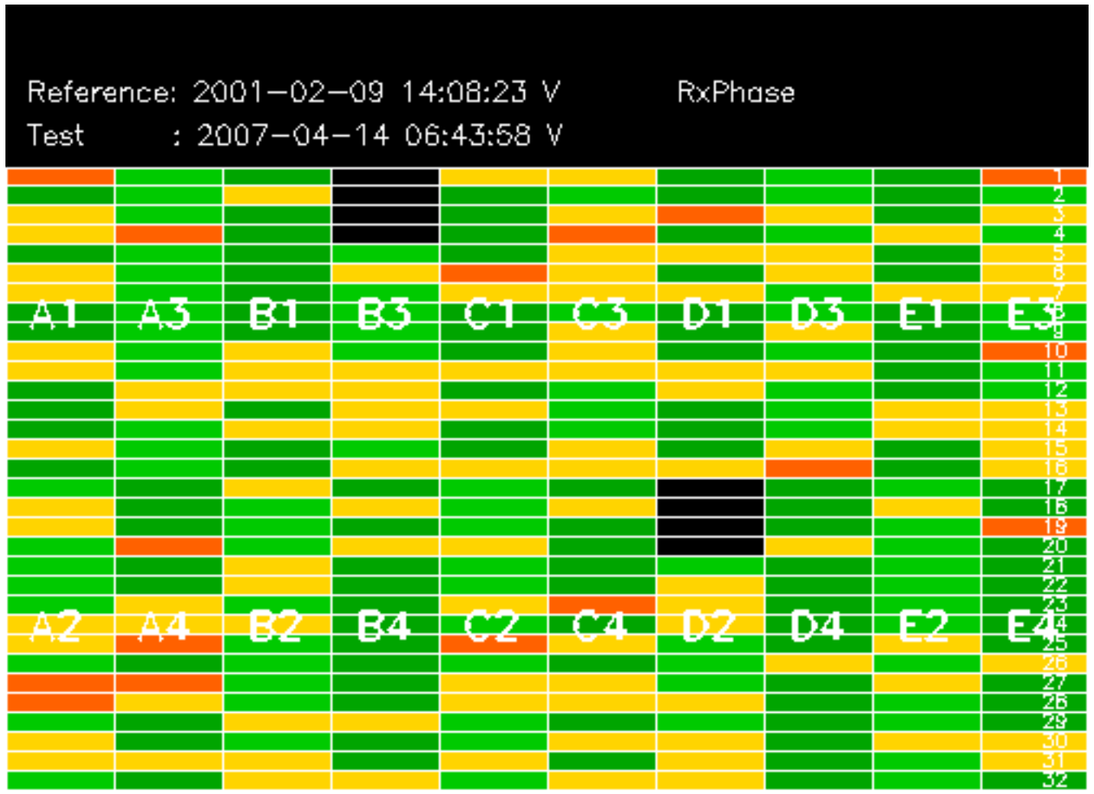

Reference: 2005-09-22 06:26:51 H
Test : 2007-04-15 09:20:08 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-04-14 06:43:58 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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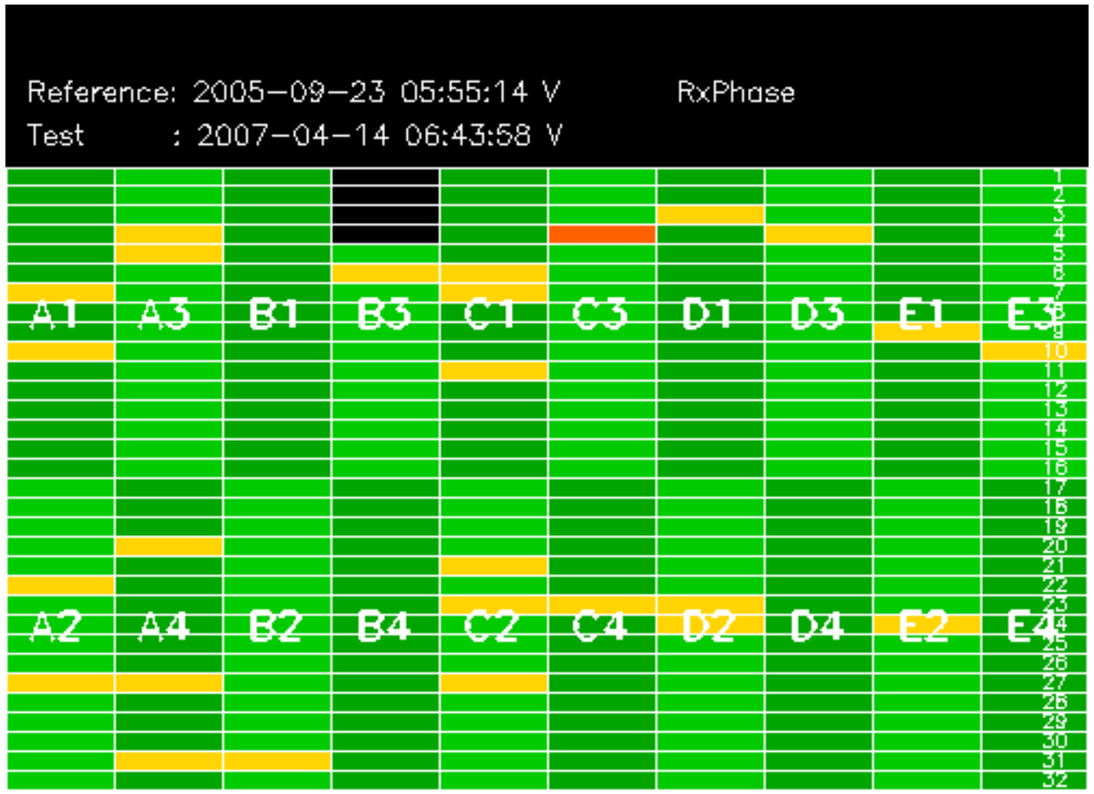
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-14 06:43:58 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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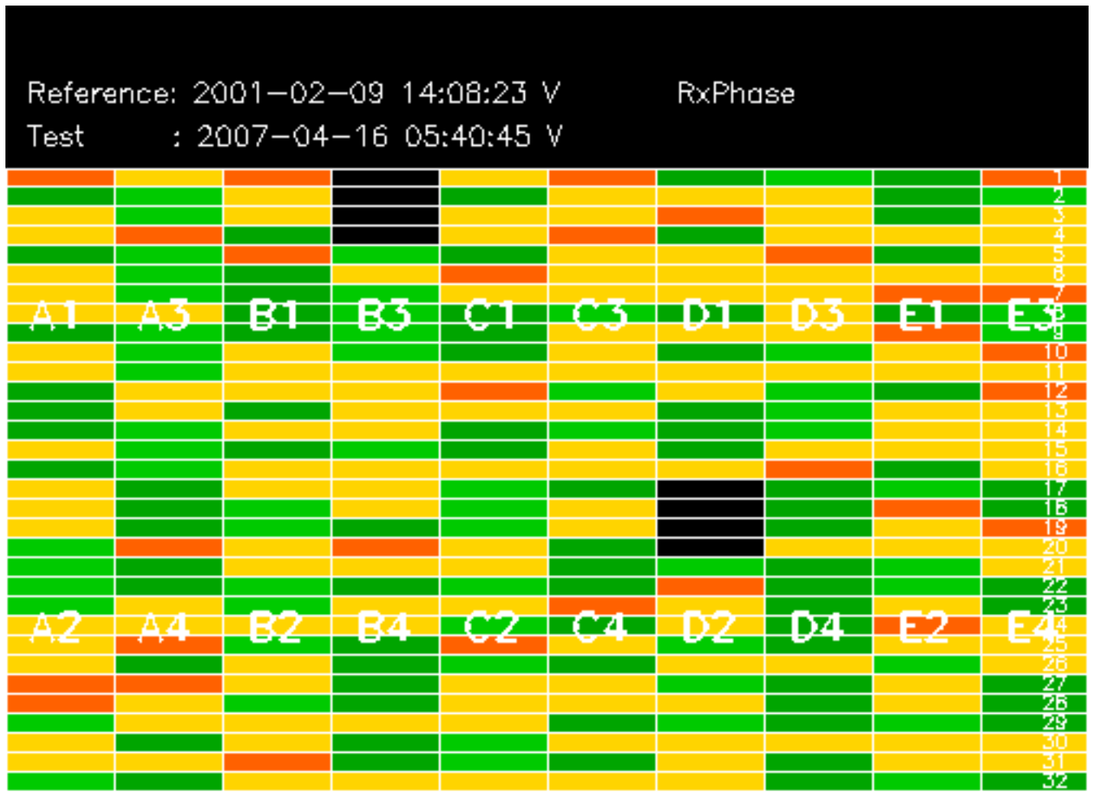
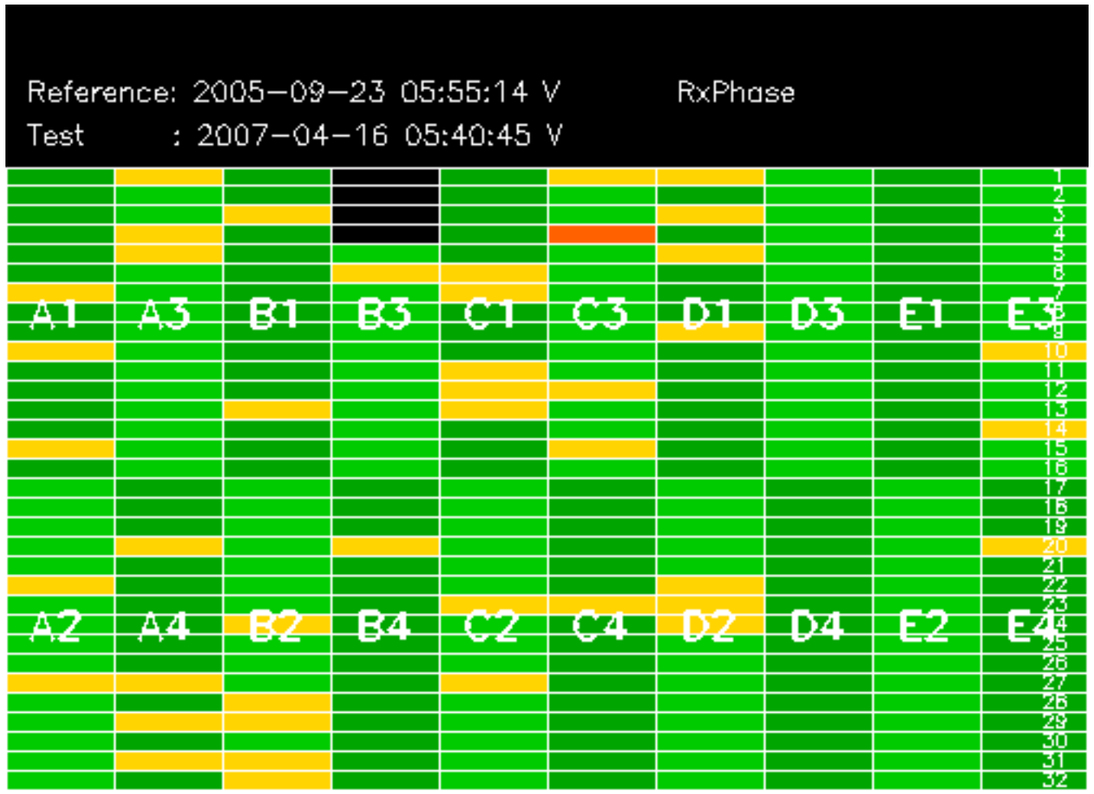

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-16 05:40:45 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-16 05:40:45 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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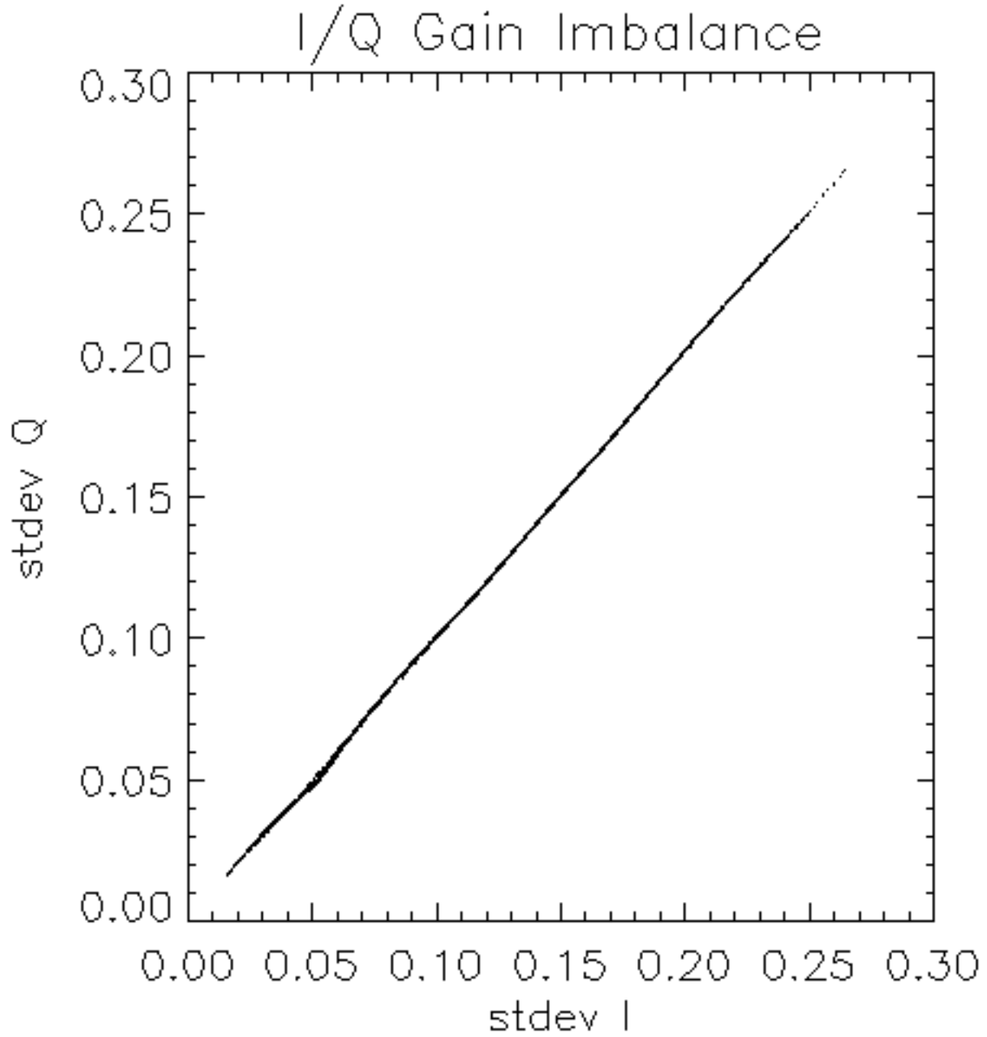
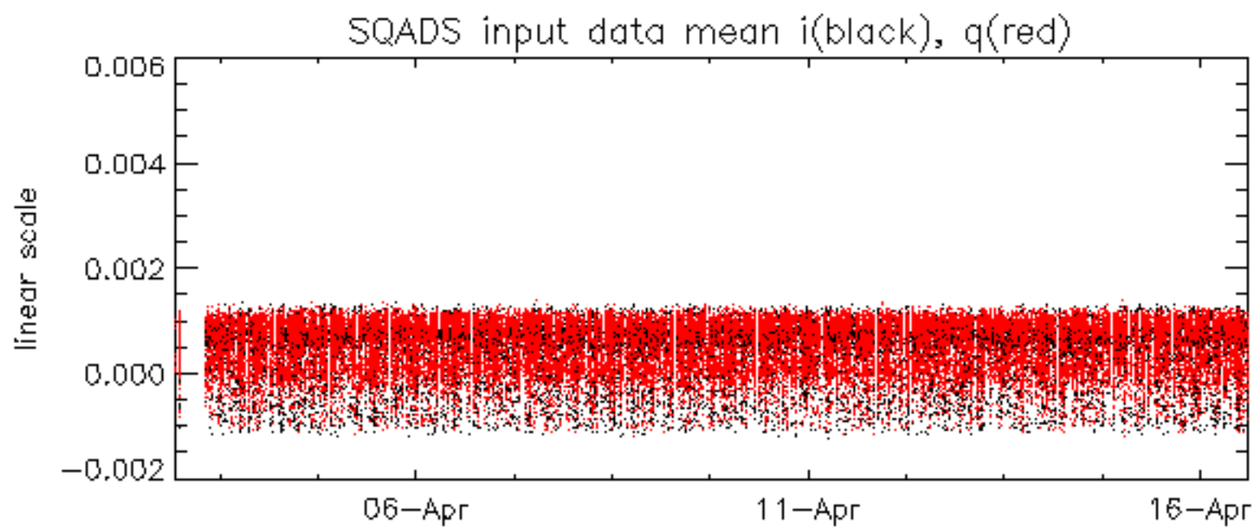
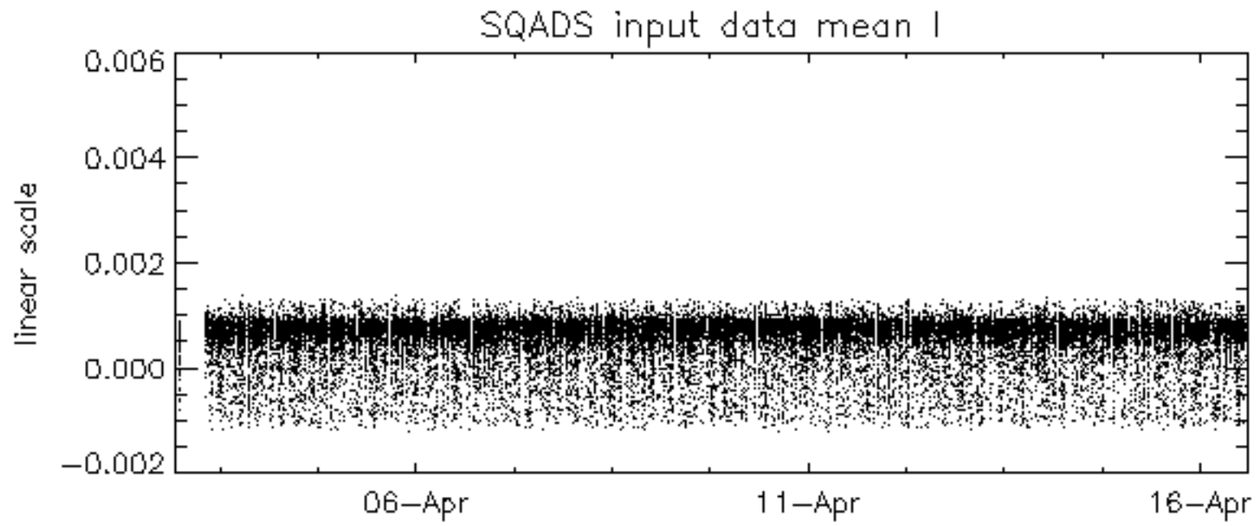
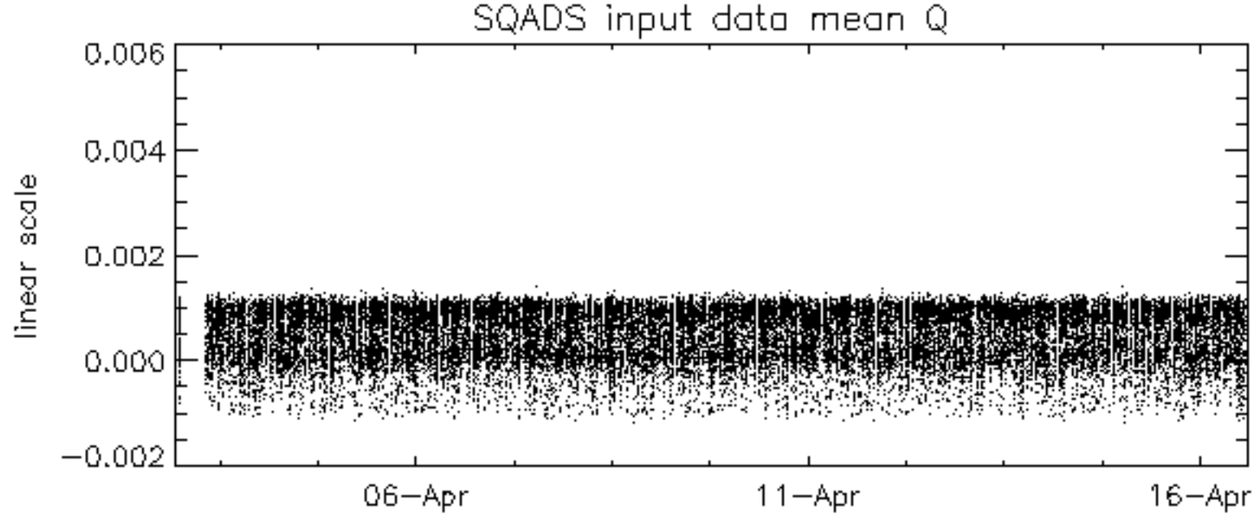
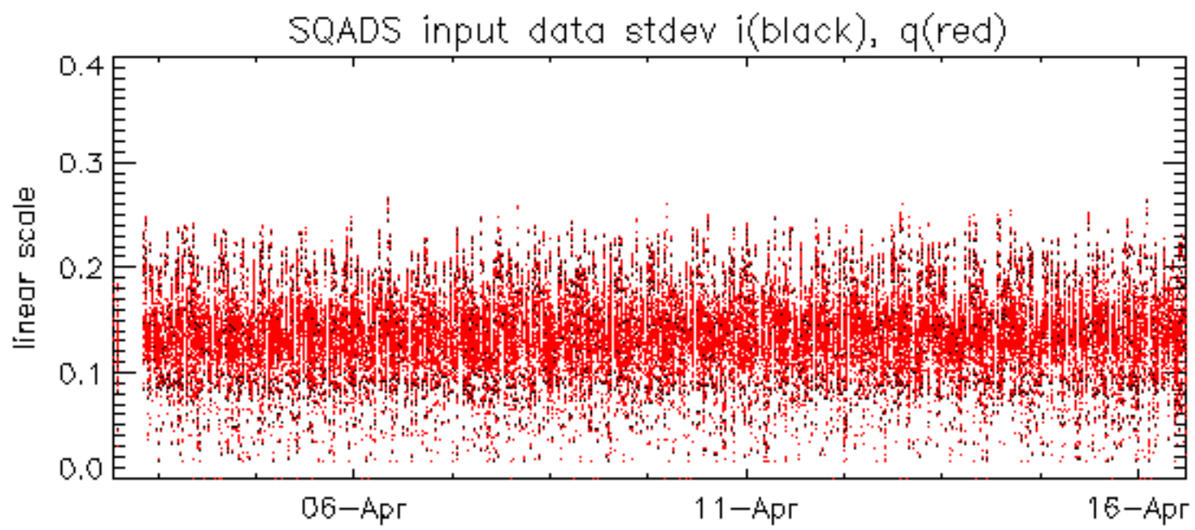
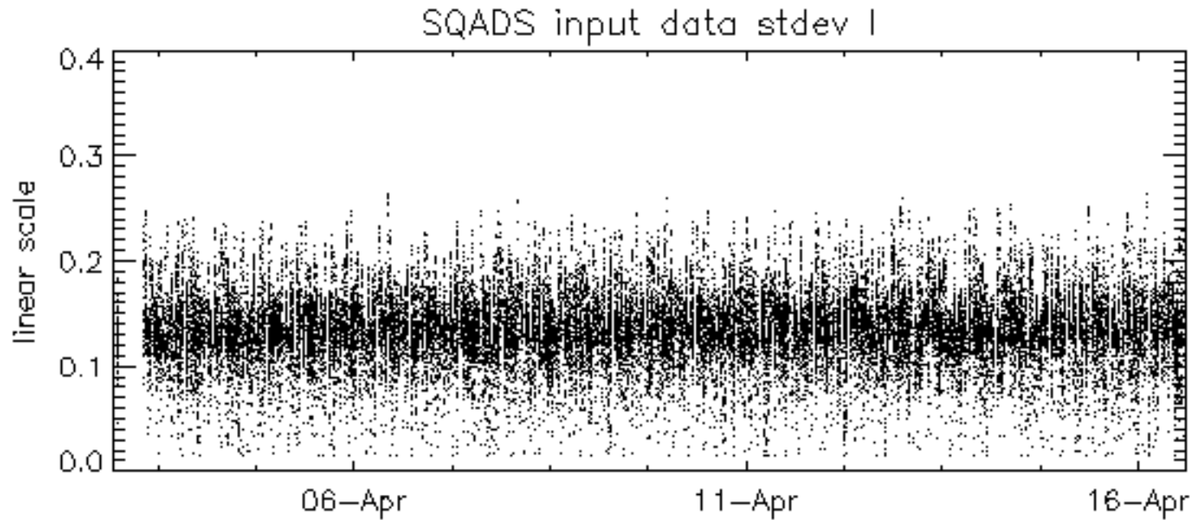

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

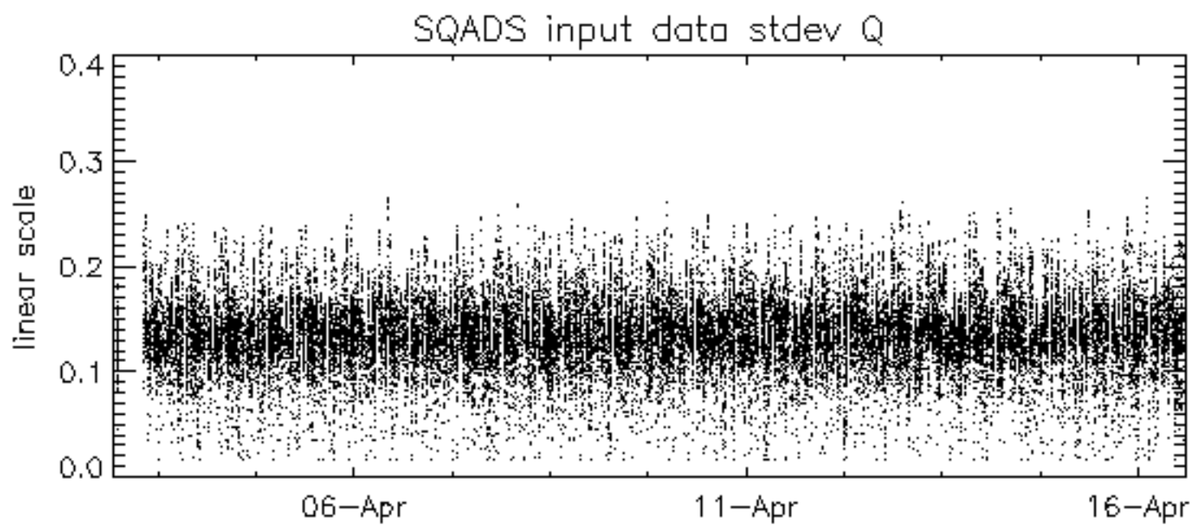

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr

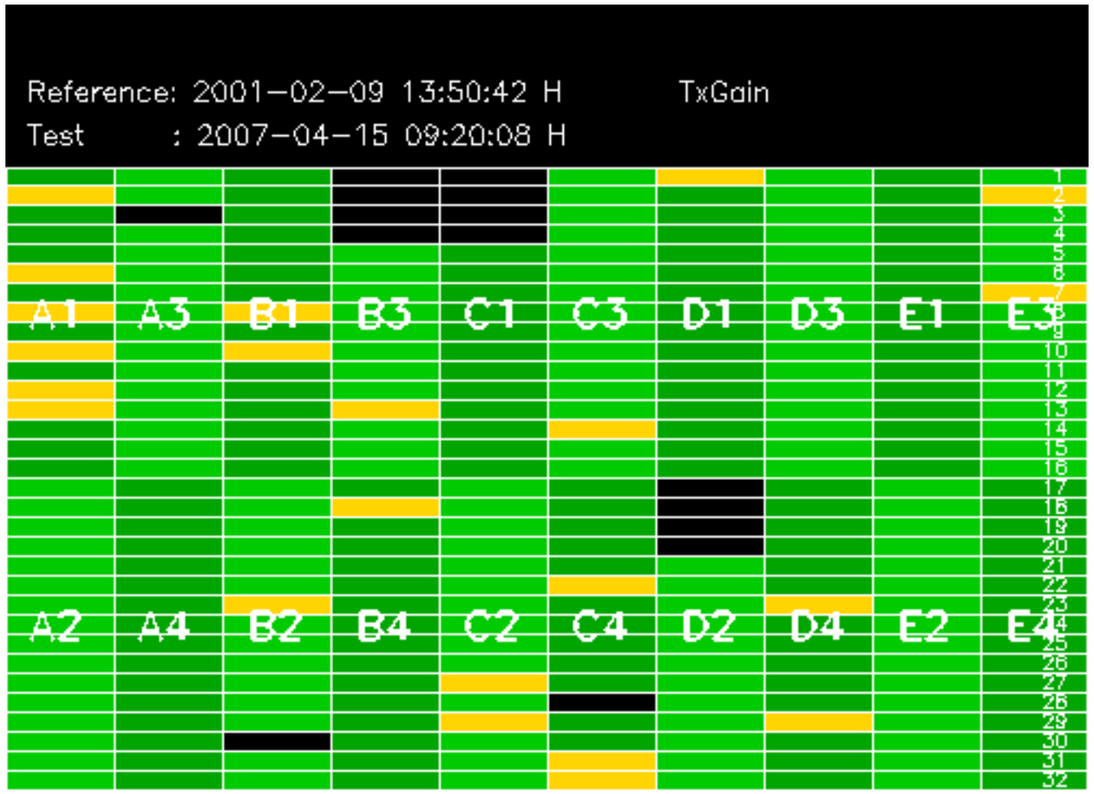

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr

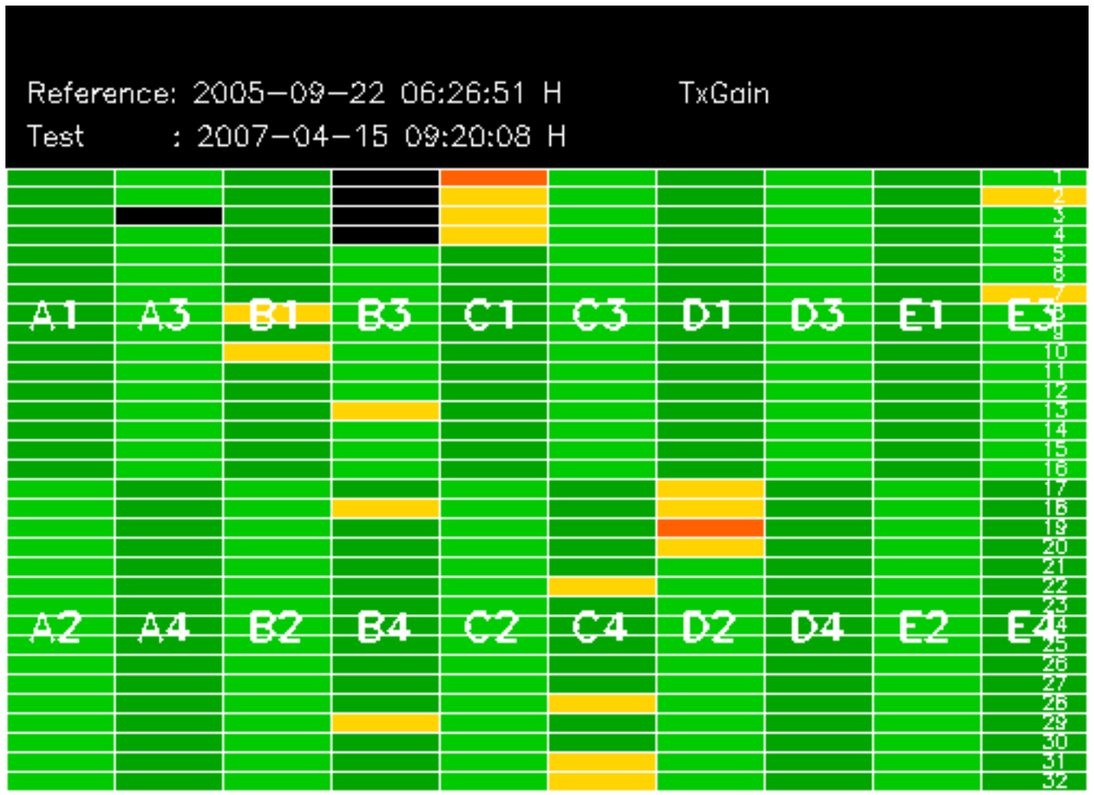

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-15 09:20:08 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 : 2007-04-15 09:20:08 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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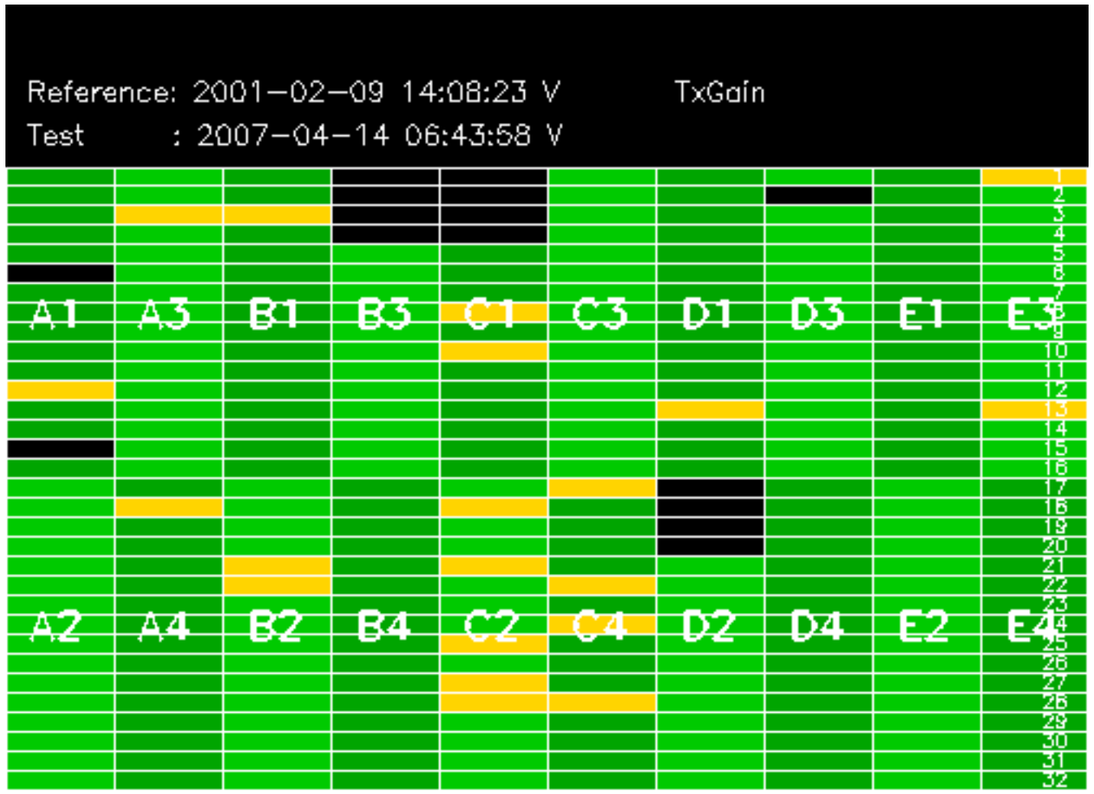
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-14 06:43:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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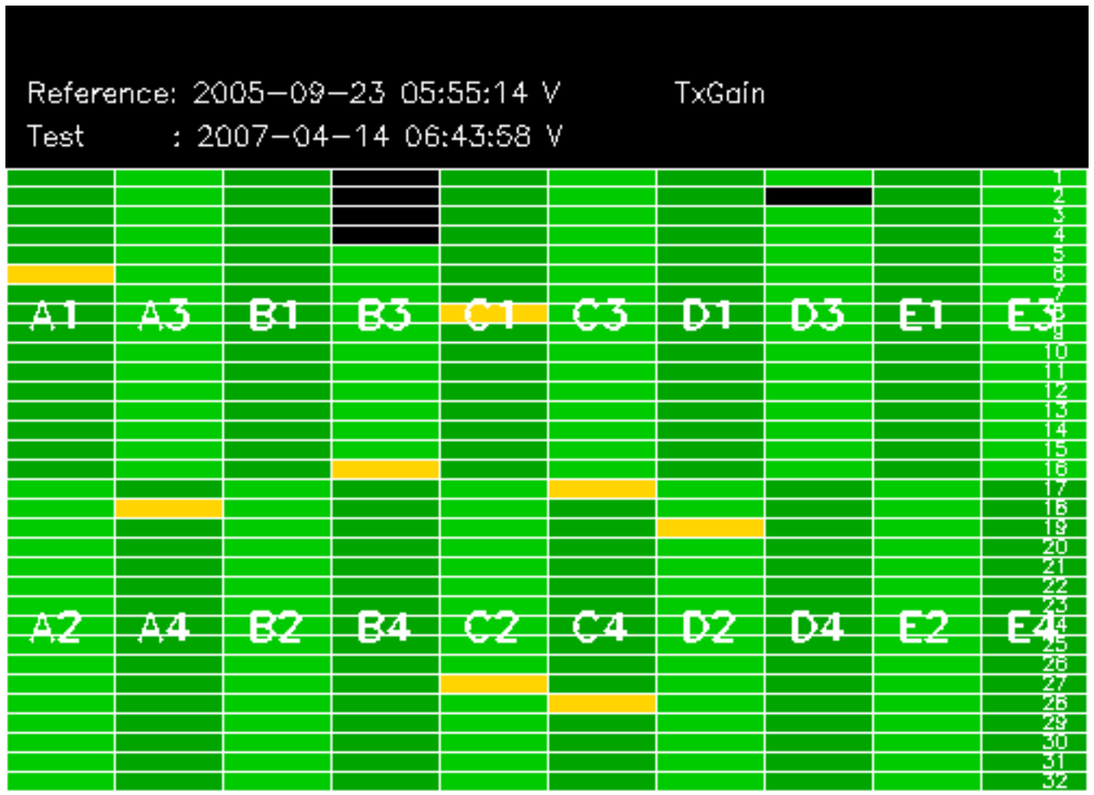
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-14 06:43:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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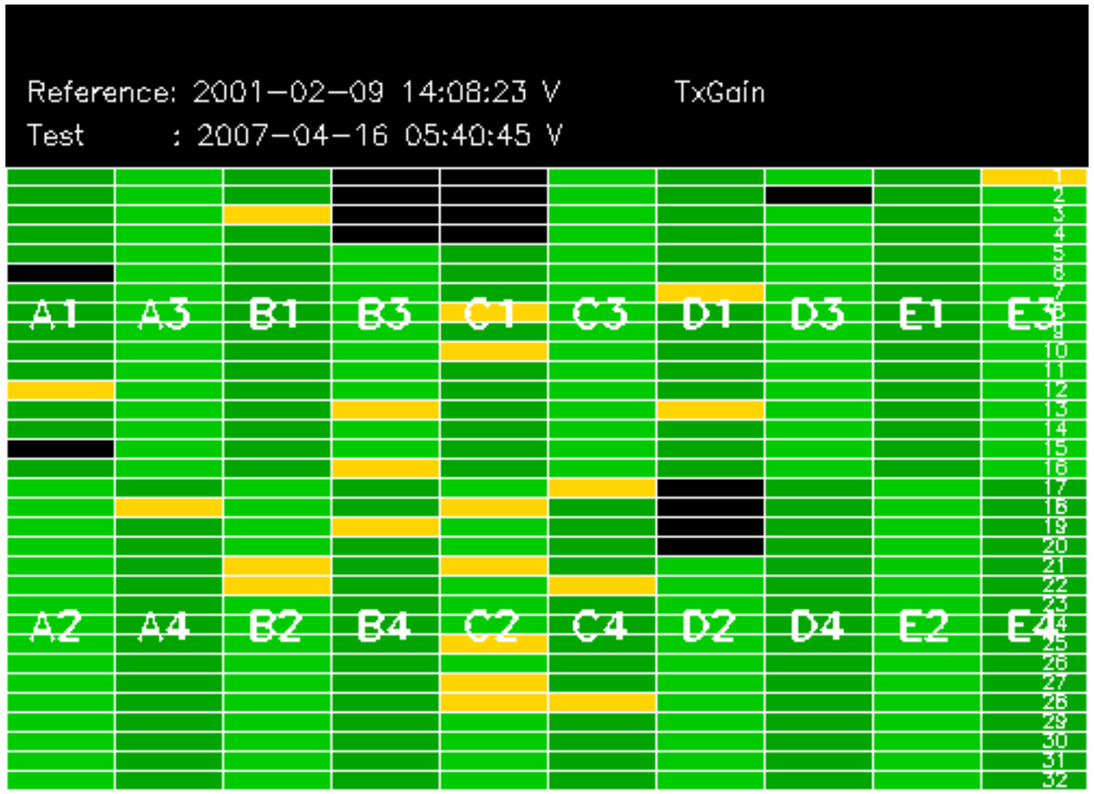
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-16 05:40:45 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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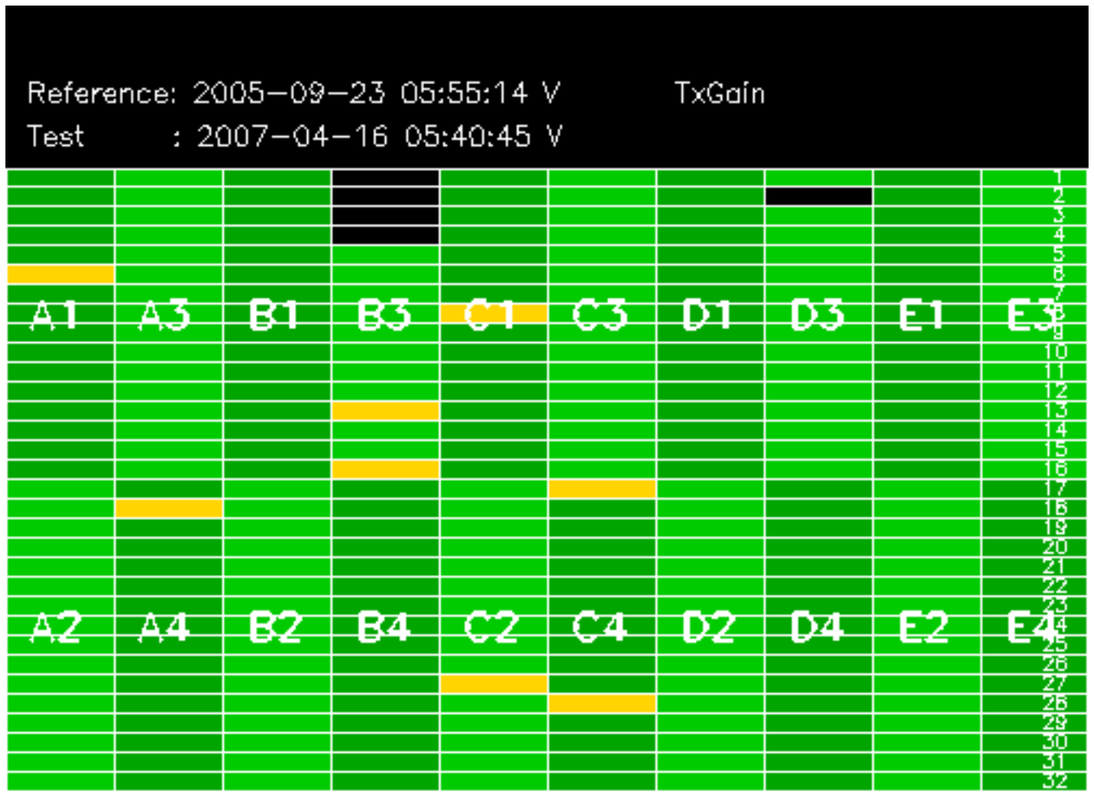
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-16 05:40:45 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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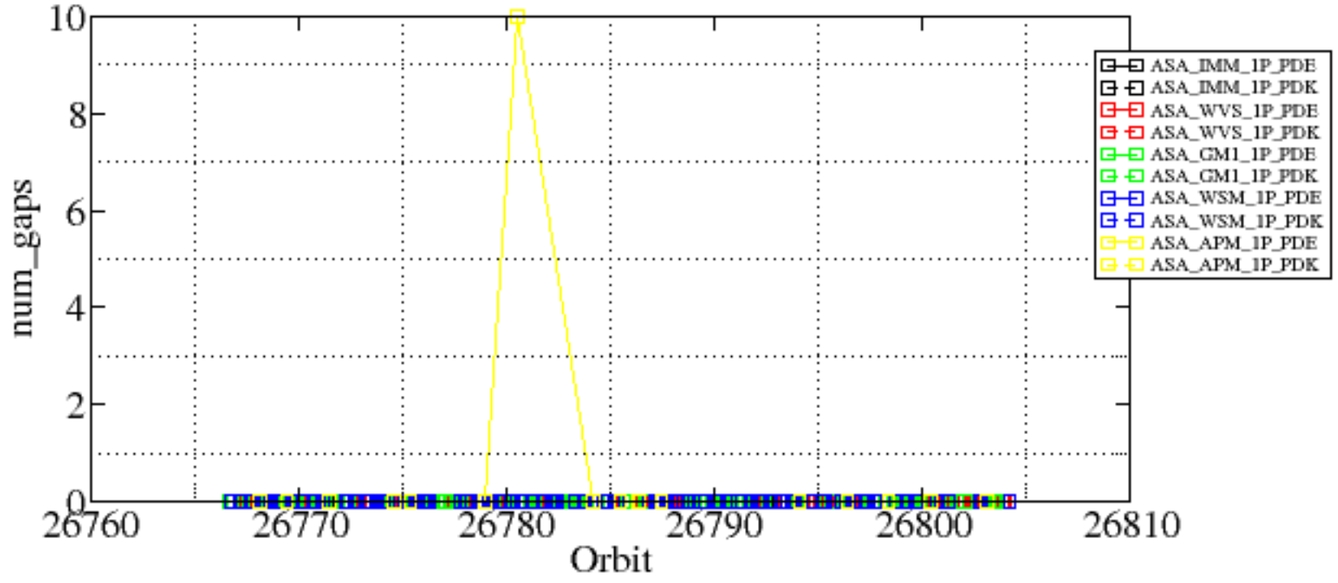
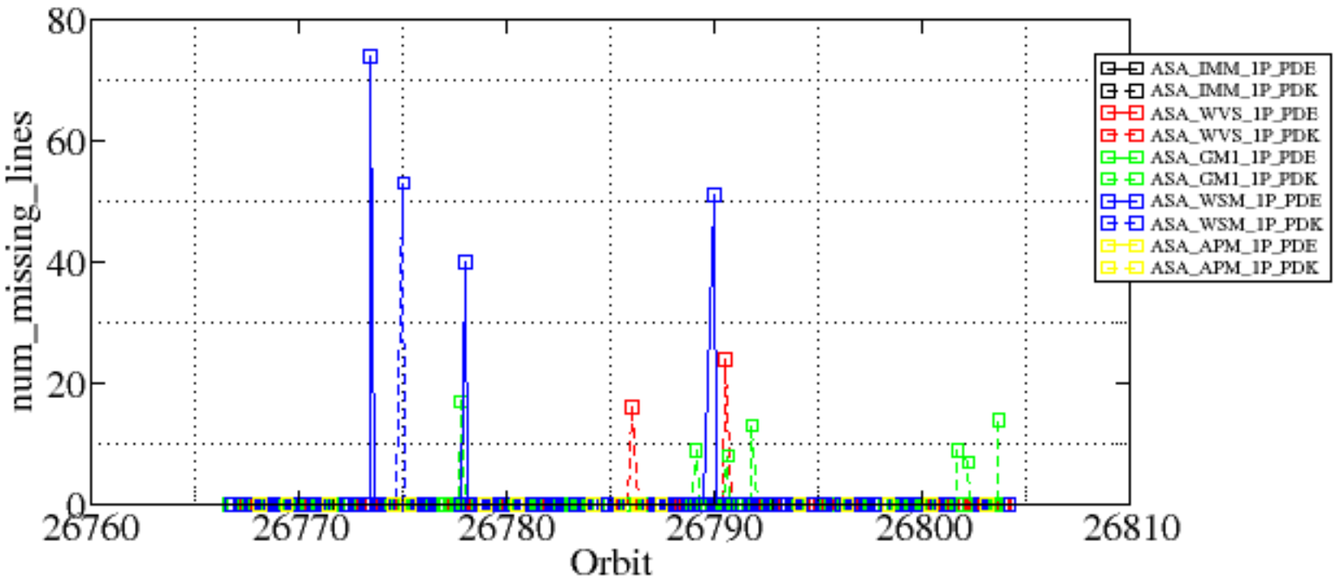
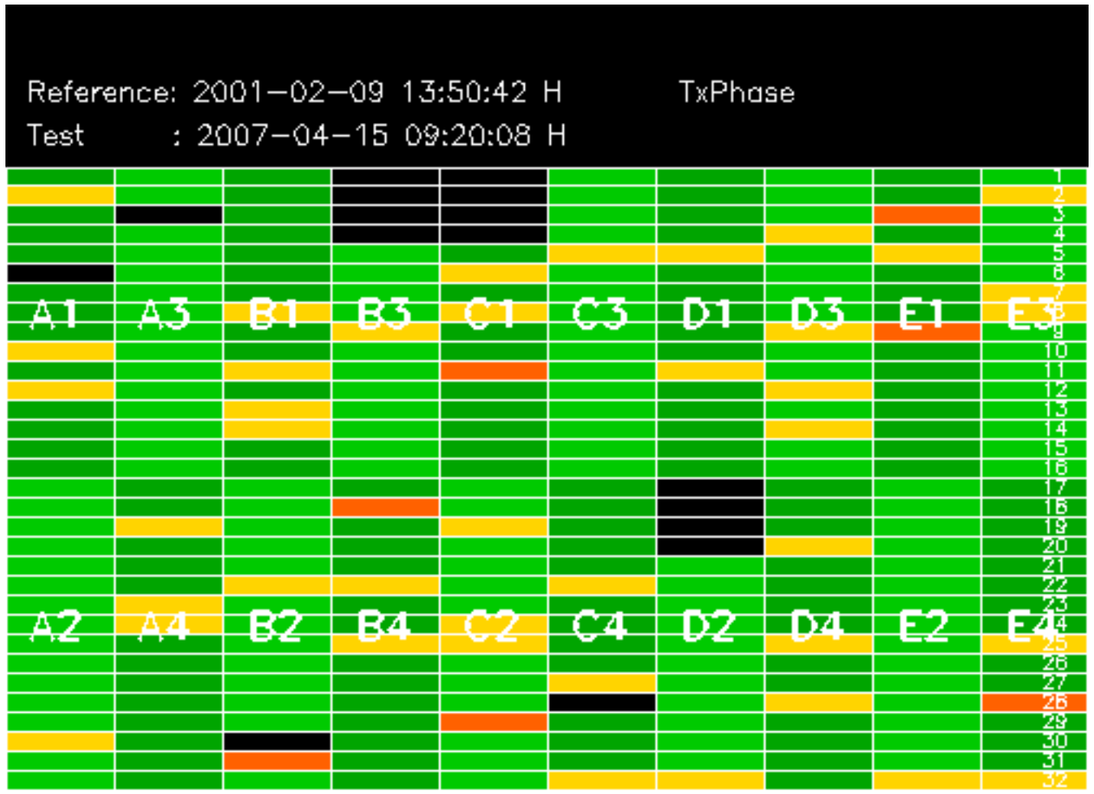
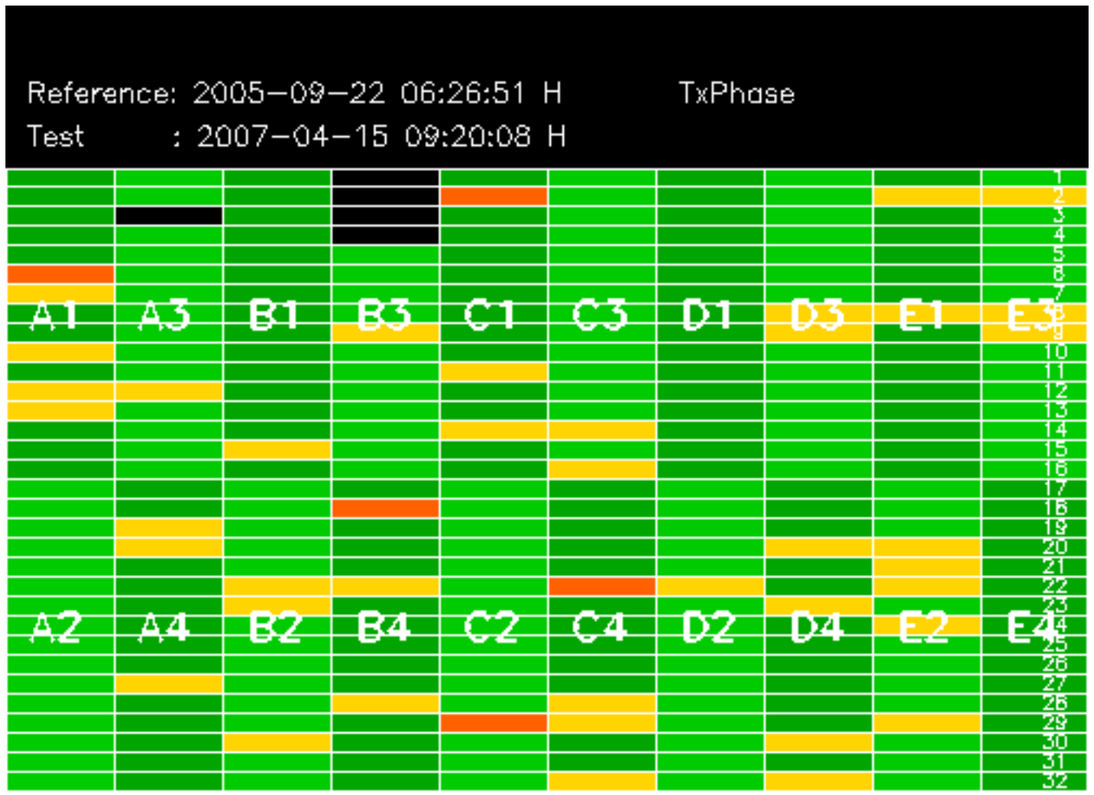
Summary of analysis for the last 3 days 2007041[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_WVS_1PNPDK20070415_083228_000005542057_00179_26786_9326.N1	0	16
ASA_WVS_1PNPDK20070415_155855_000009742057_00183_26790_0003.N1	0	24
ASA_GM1_1PNPDK20070414_184051_000002052057_00170_26777_8892.N1	0	17
ASA_GM1_1PNPDK20070415_133943_000008702057_00182_26789_9670.N1	0	9
ASA_GM1_1PNPDK20070415_161605_000004222057_00183_26790_9996.N1	0	8
ASA_GM1_1PNPDK20070415_181115_000000842057_00184_26791_0126.N1	0	13
ASA_GM1_1PNPDK20070416_104529_000007852057_00194_26801_0620.N1	0	9
ASA_GM1_1PNPDK20070416_113741_000003382057_00195_26802_0690.N1	0	7
ASA_GM1_1PNPDK20070416_140352_000009242057_00196_26803_0926.N1	0	14
ASA_WSM_1PNPDE20070414_112338_000001032057_00166_26773_1589.N1	0	74
ASA_WSM_1PNPDE20070414_190229_000000982057_00171_26778_1758.N1	0	40
ASA_WSM_1PNPDE20070415_151023_000002872057_00183_26790_2865.N1	0	51
ASA_WSM_1PNPDK20070414_140424_000000792057_00168_26775_8663.N1	0	53
ASA_APM_1PNPDE20070414_231454_000000422057_00173_26780_2011.N1	10	0


num_gaps
Orbit
0
2
4
6
8
10
26760
26770
26780
26790
26800
26810
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
Orbit
0
20
40
60
80
26760
26770
26780
26790
26800
26810
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-04-15 09:20:08 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-04-15 09:20:08 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
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14
15
16
17
18
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20
21
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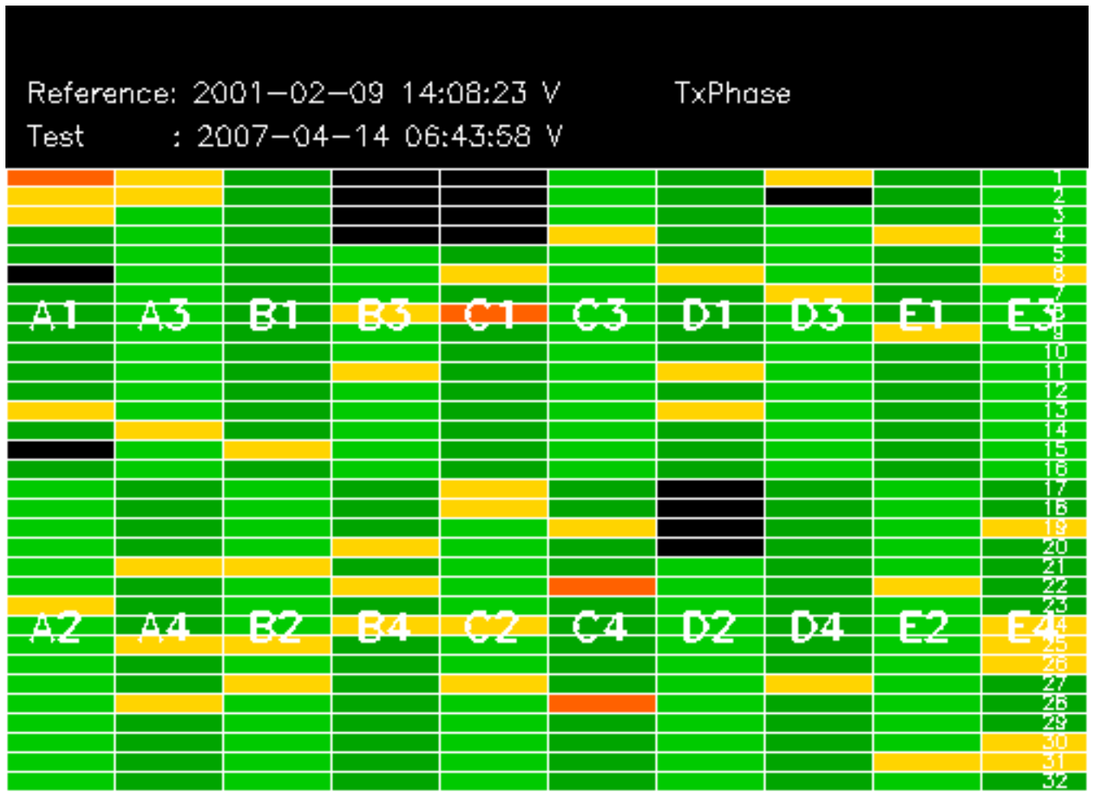
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-04-14 06:43:58 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
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19
20
21
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23
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25
26
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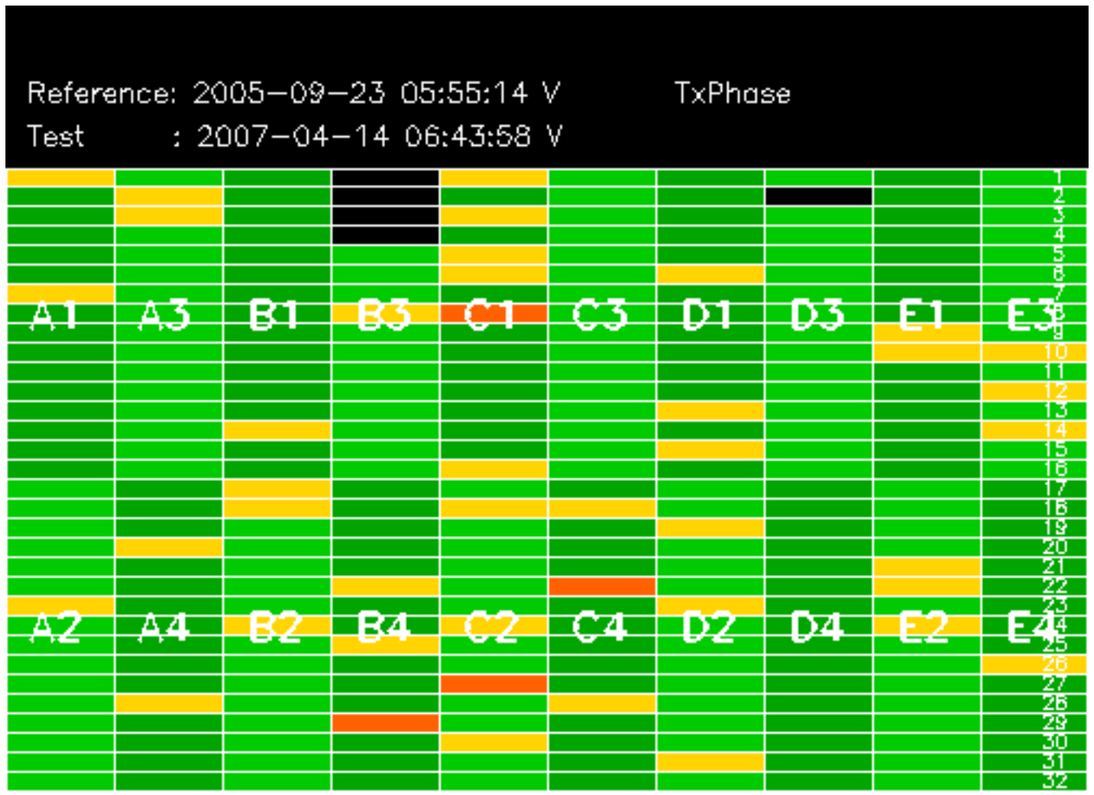
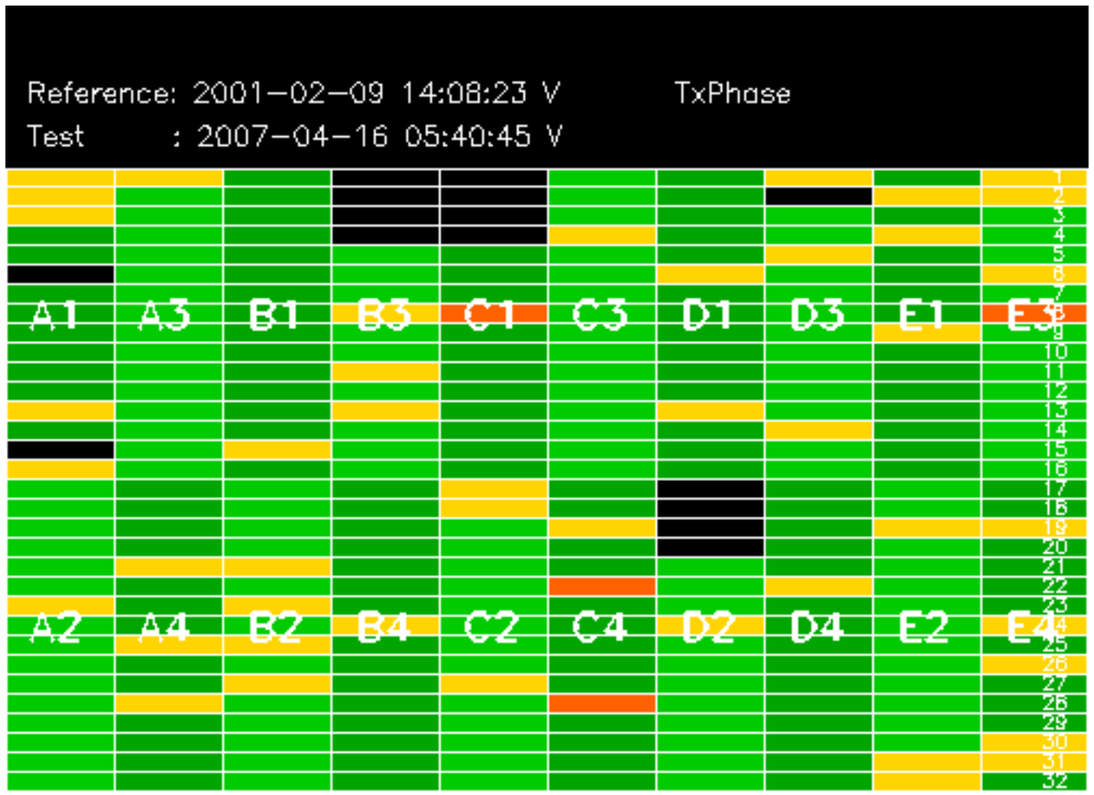
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-14 06:43:58 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-04-16 05:40:45 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
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14
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17
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21
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24
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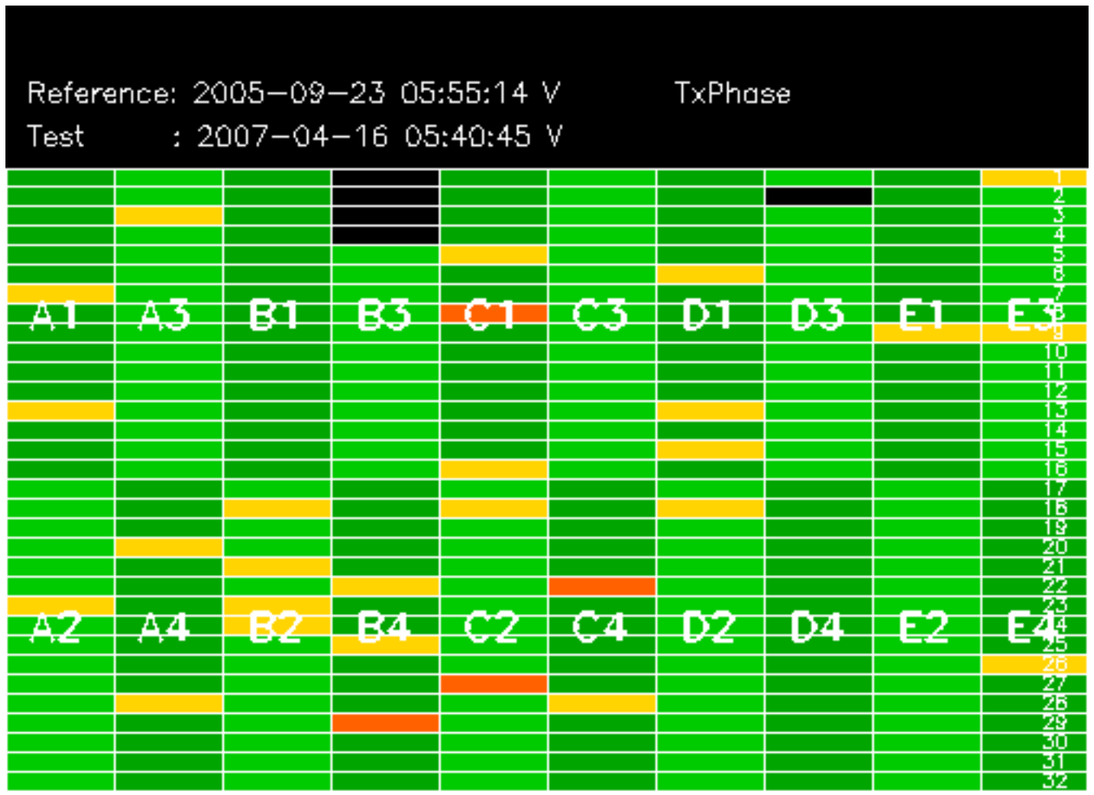
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-16 05:40:45 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
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9
10
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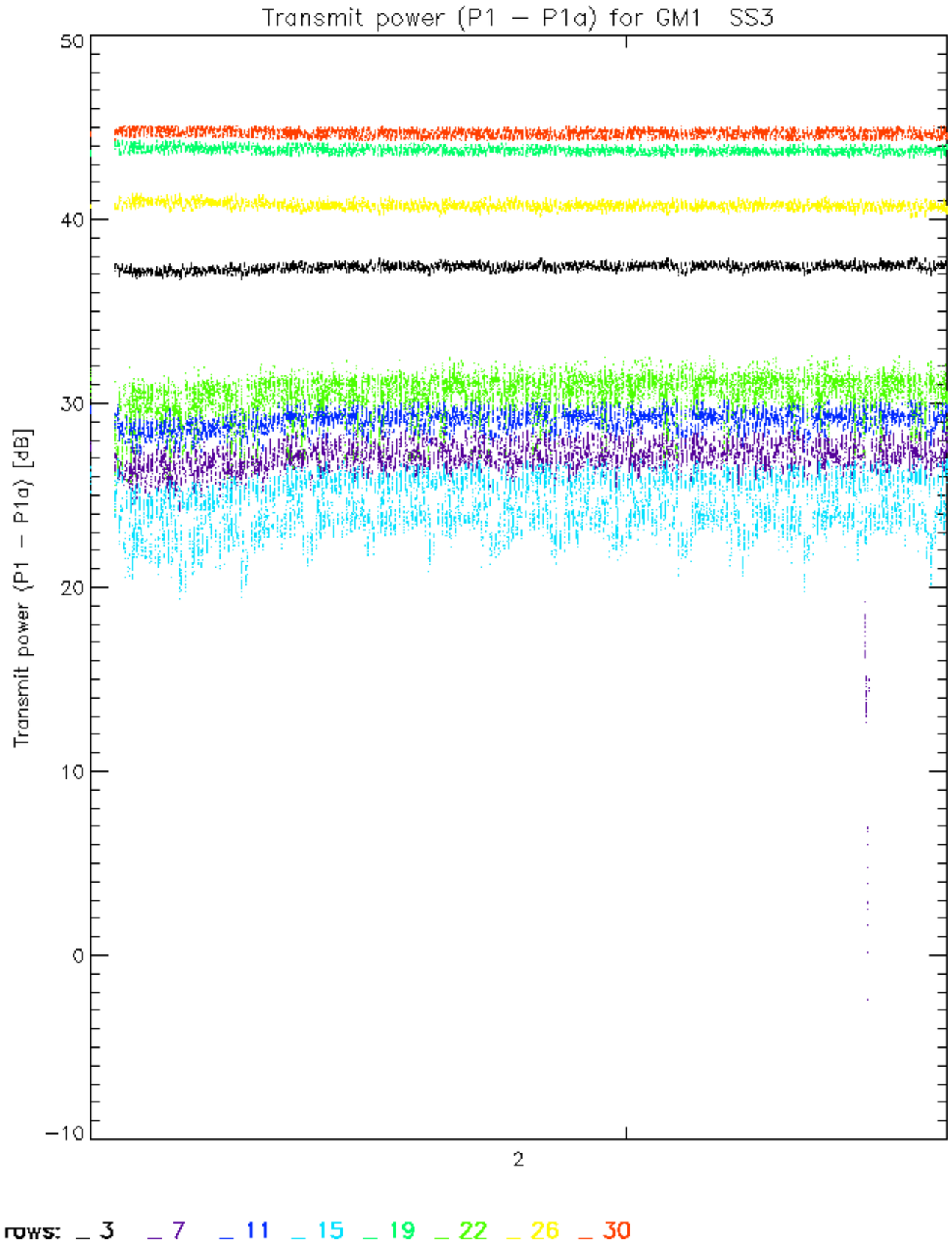
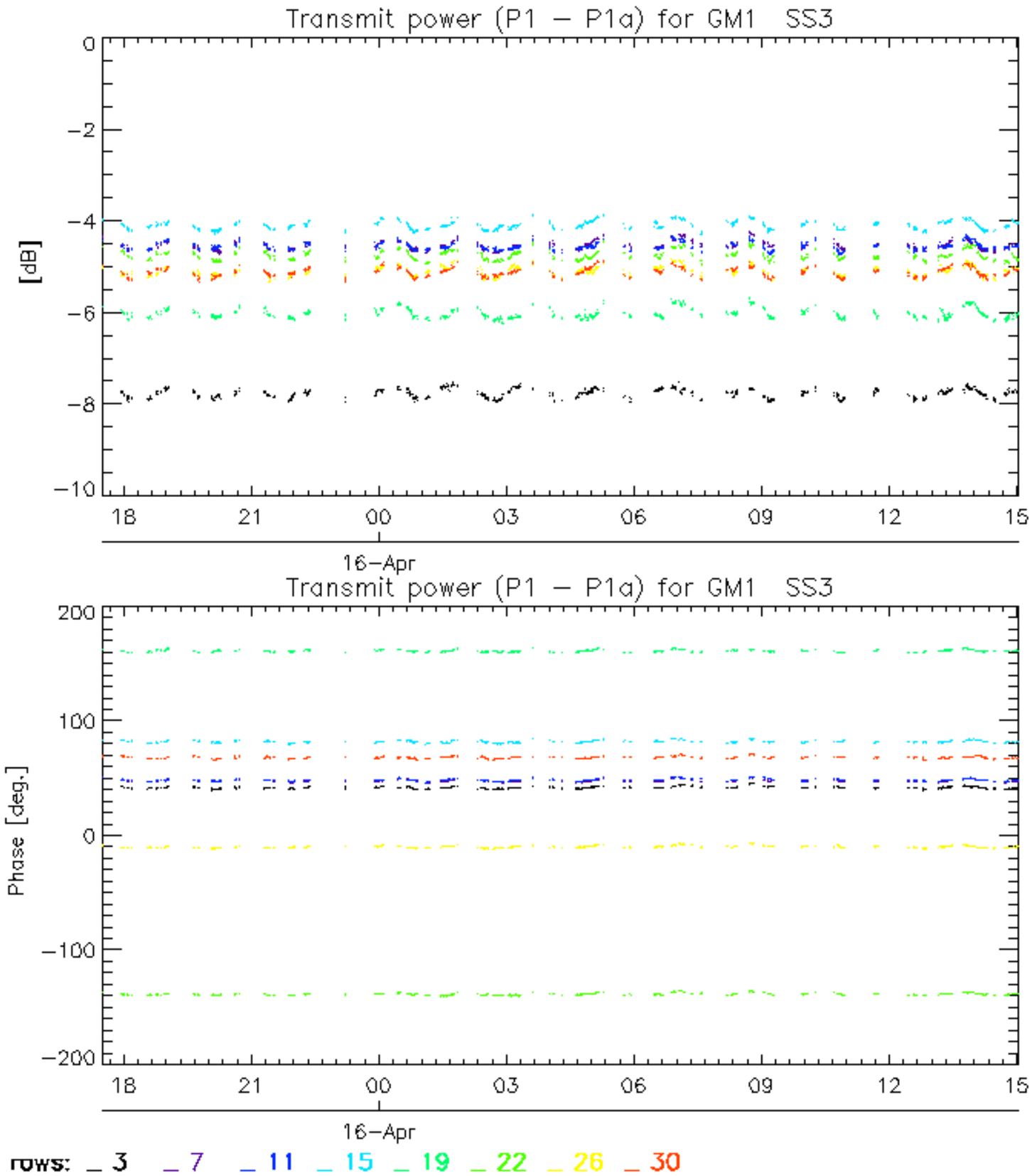
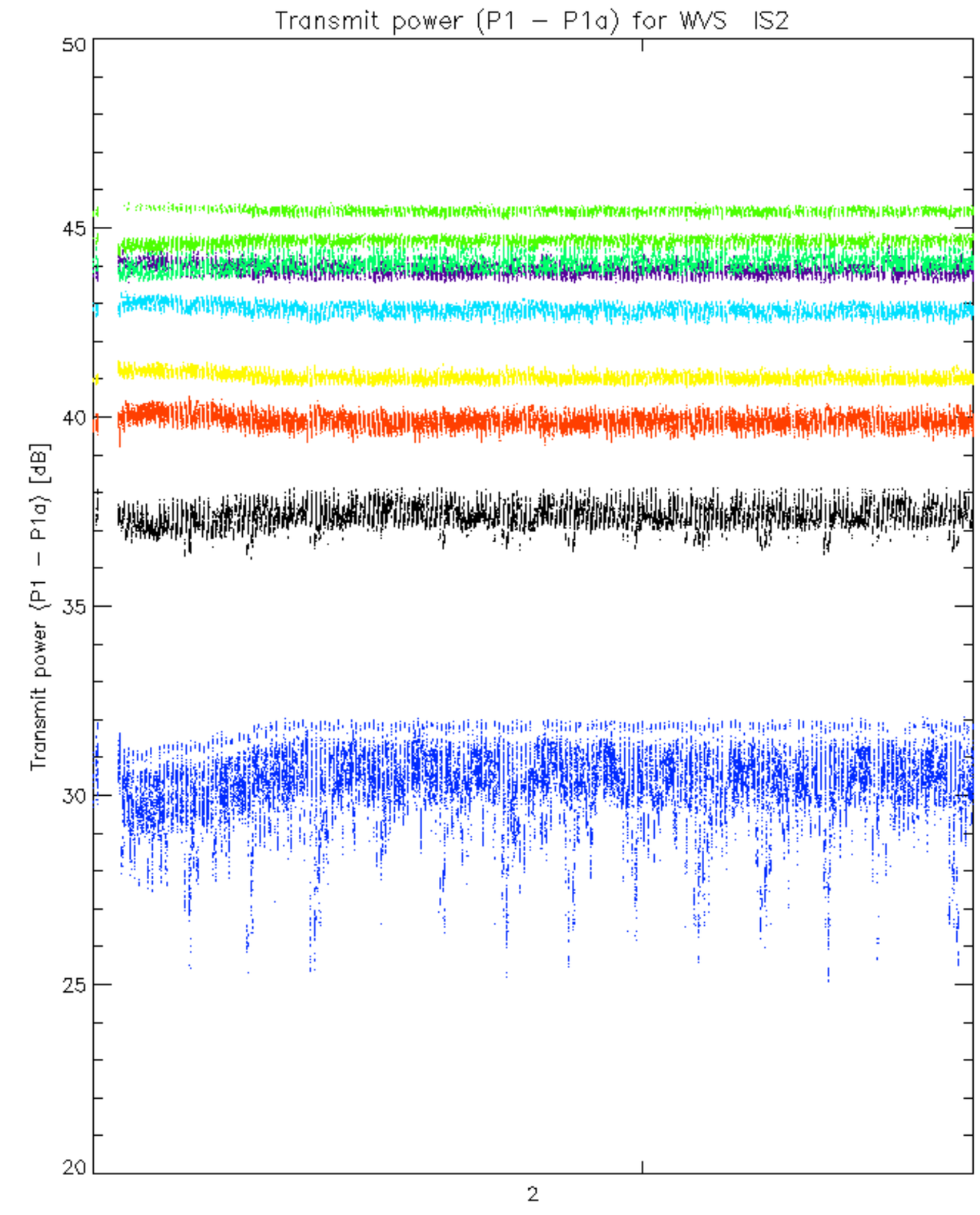
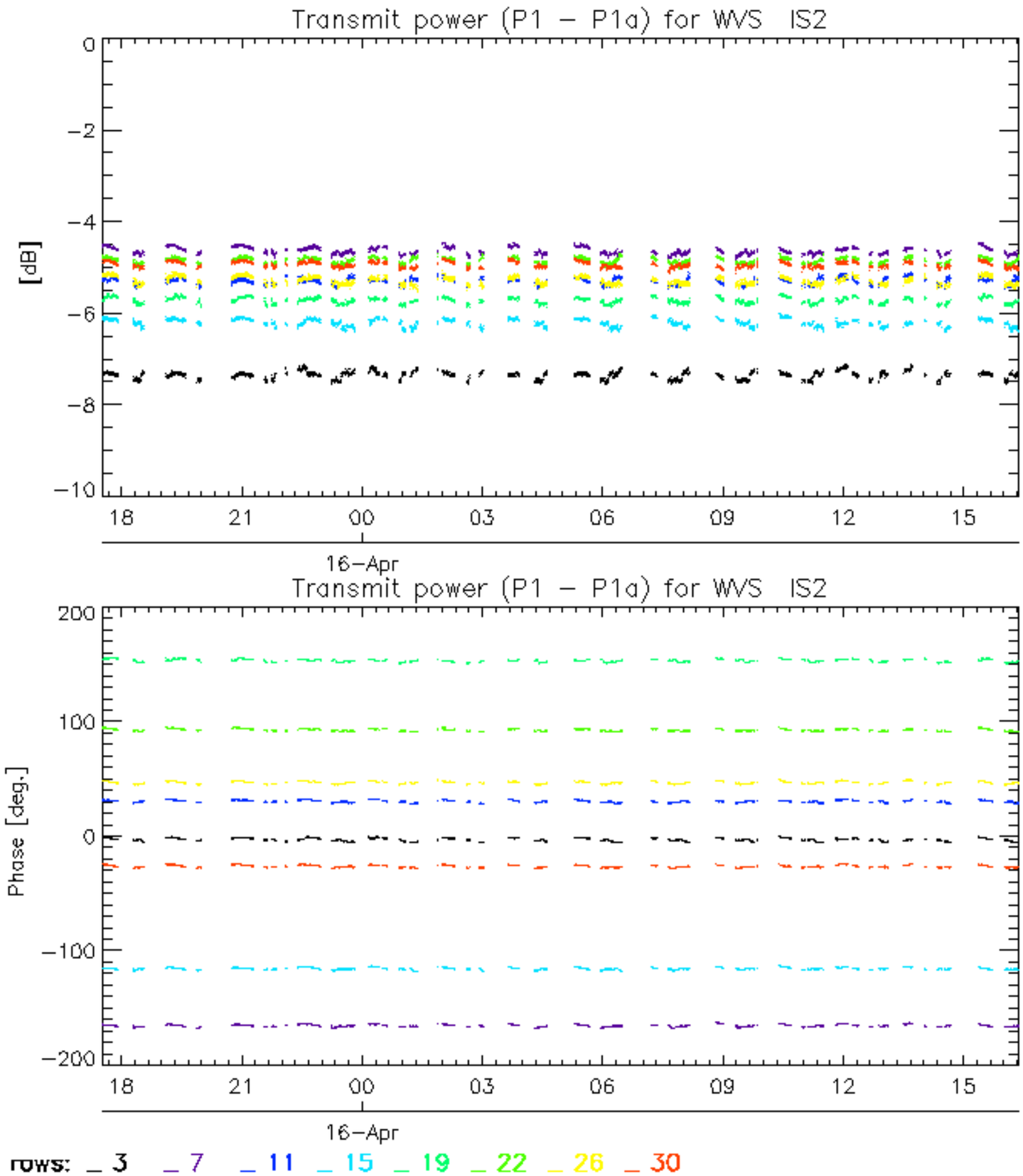
32


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
12
15
16–Apr
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
15
16–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
12
15
16–Apr
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
15
16–Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.