PRELIMINARY REPORT OF 070304

last update on Sun Mar 4 15:57:18 GMT 2007

Due to an ASAR test acquisition campaign, the daily analysis on WVS products will be based on IS4 instead of IS2 during the following periods:

From orbit 25621 (23-Jan-2007) to 25720 (30-Jan-2007) in HH polarization
From orbit 26122 (27-Feb-2007) to 26221 (06-Mar-2007) in HH polarization
From orbit 25721 (30-Jan-2007) to 25820 (06-Feb-2007) in VV polarization
From orbit 26222 (06-Mar-2007) to 26321 (13-Mar-2007) in VV polarization

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 2007-03-03 00:00:00 to 2007-03-04 15:57:18

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	29	48	9	5	31
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	29	48	9	5	31
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	29	48	9	5	31
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	29	48	9	5	31

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	48	63	27	13	56
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	48	63	27	13	56
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	48	63	27	13	56
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	48	63	27	13	56

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	20070304 095342
H	20070303 145426

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	-11.009822	0.369476	0.237991
7	P1a	-10.108479	0.231925	0.252468
11	P1a	-10.751050	0.131345	0.092713
15	P1a	-11.705752	1.551821	1.406045
19	P1a	-15.070950	1.077821	-1.196865
22	P1a	-19.517242	7.478768	-2.782800
26	P1a	-15.567484	0.490036	0.491911
30	P1a	-20.107191	6.975197	2.837379

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-6.998802	3.155589	-3.470019
7	P1	-2.584037	0.053162	0.135666
11	P1	-3.238239	0.148749	0.373573
15	P1	-4.612424	1.329672	1.289999
19	P1	-3.421841	0.093725	-0.351263
22	P1	-5.348465	0.146202	0.423975
26	P1	-5.399594	0.700265	-0.988068
30	P1	-5.439956	0.067008	0.203170

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.389032	0.834824	-1.567729
7	P2	-21.893831	0.136587	-0.147120
11	P2	-10.806930	0.134899	-0.302579
15	P2	-5.101732	0.085934	-0.042195
19	P2	-7.232727	0.080959	-0.020031
22	P2	-8.361107	0.080087	0.095805

26	P2	-24.163174	0.130479	-0.293953
30	P2	-21.670170	0.069707	0.067587

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.220867	0.007841	-0.016870
7	P3	-8.220867	0.007841	-0.016870
11	P3	-8.220867	0.007841	-0.016870
15	P3	-8.220867	0.007841	-0.016870
19	P3	-8.220867	0.007841	-0.016870
22	P3	-8.220867	0.007841	-0.016870
26	P3	-8.220867	0.007841	-0.016870
30	P3	-8.220867	0.007841	-0.016870

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	-11.148023	0.092728	0.478830
7	P1a	-10.039371	0.132371	-0.021943
11	P1a	-10.620931	0.068039	-0.127124
15	P1a	-10.889276	0.134522	-0.153972
19	P1a	-15.729279	0.066524	0.099673
22	P1a	-20.831312	1.190431	-0.071056
26	P1a	-15.361351	0.263061	0.263475
30	P1a	-18.373283	0.348821	-0.124433

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-7.916376	1.465762	-2.717951
7	P1	-2.428629	0.022264	0.038318

11	P1	-2.900157	0.019937	-0.065837
15	P1	-3.820057	0.040154	-0.068499
19	P1	-3.552588	0.011811	0.003243
22	P1	-5.033238	0.023069	-0.042185
26	P1	-5.979832	0.024846	0.062386
30	P1	-5.280914	0.021817	0.028053

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.868221	0.384342	-1.331774
7	P2	-21.975124	0.053823	0.108459
11	P2	-10.661951	0.030457	0.061434
15	P2	-4.819881	0.026891	0.026763
19	P2	-6.816463	0.028089	0.038925
22	P2	-8.113410	0.033777	0.092498
26	P2	-24.261124	0.034485	-0.047291
30	P2	-21.756399	0.036761	0.083176

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.045773	0.003429	-0.003091
7	P3	-8.045787	0.003442	-0.002866
11	P3	-8.045843	0.003436	-0.003550
15	P3	-8.045789	0.003445	-0.003574
19	P3	-8.045849	0.003434	-0.003578
22	P3	-8.045853	0.003434	-0.003314
26	P3	-8.045756	0.003435	-0.003466
30	P3	-8.045820	0.003443	-0.003434

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	0.000624398
	stdev	2.33676e-07
MEAN Q	mean	0.000393734
	stdev	2.53334e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.109404
	stdev	0.00252470
STDEV Q	mean	0.109449
	stdev	0.00257825

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007030[234]
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_1PNPDK20070303_153003_000002712056_00068_26174_5060.N1	0	51
ASA_WSM_1PNPDE20070302_003405_000002632056_00045_26151_7324.N1	0	32

ASA_WSM_1PNPDE20070302_145414_000000852056_00054_26160_8003.N1	0	31
ASA_WSM_1PNPDE20070302_181712_000000852056_00056_26162_8077.N1	0	27
ASA_WSM_1PNPDE20070303_142340_000000852056_00068_26174_9241.N1	0	16

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

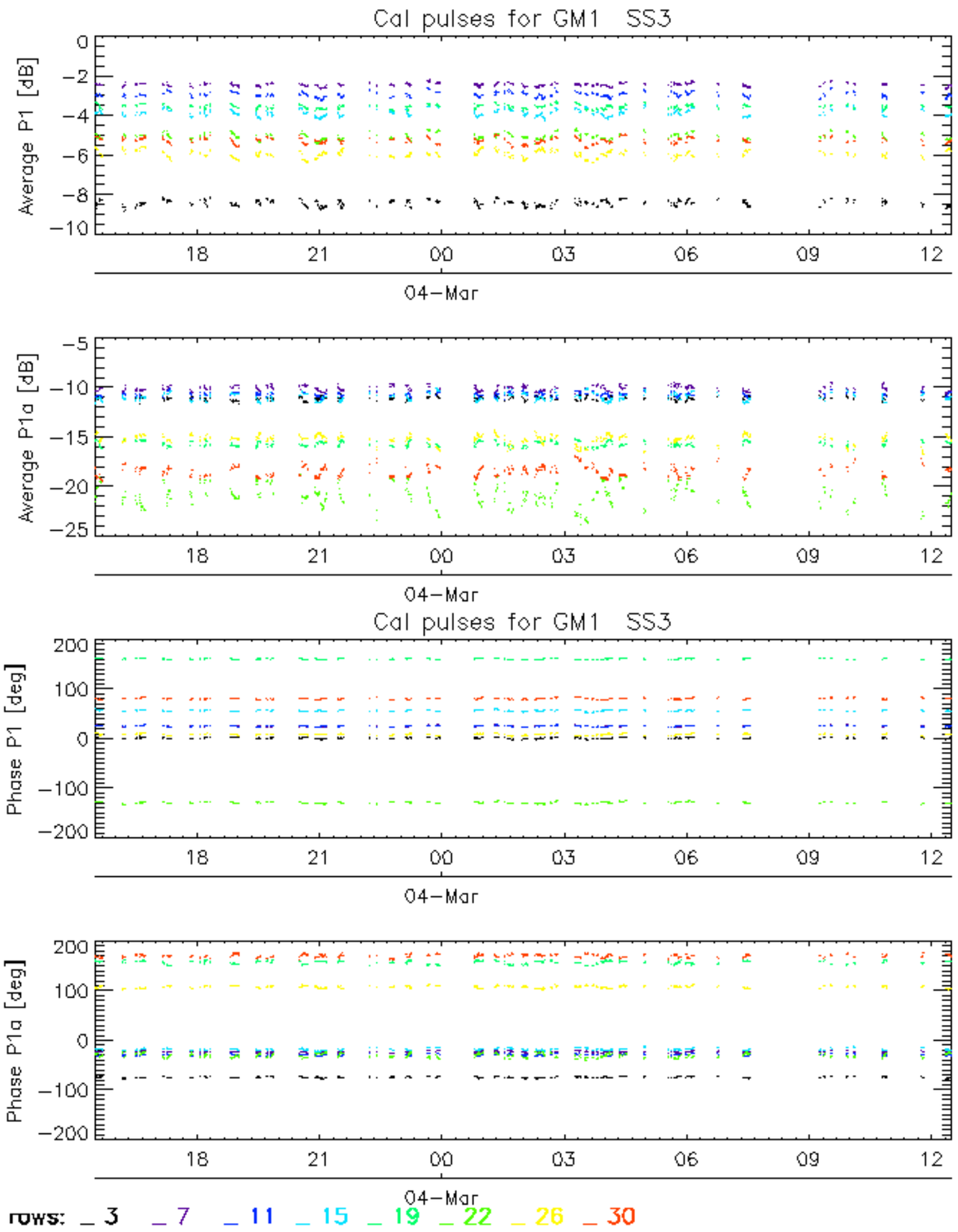
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

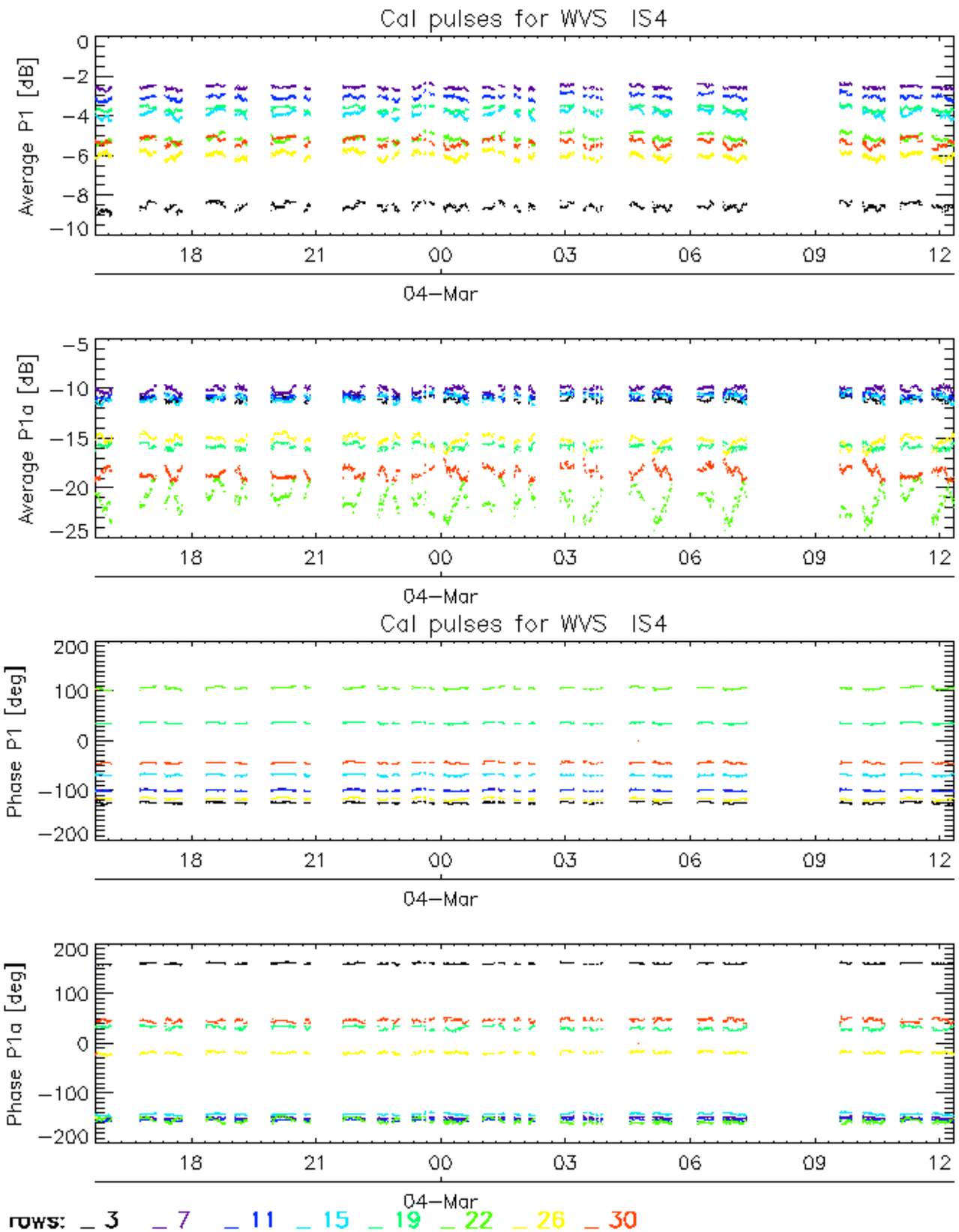
7.5 - Absolute Doppler for GM1

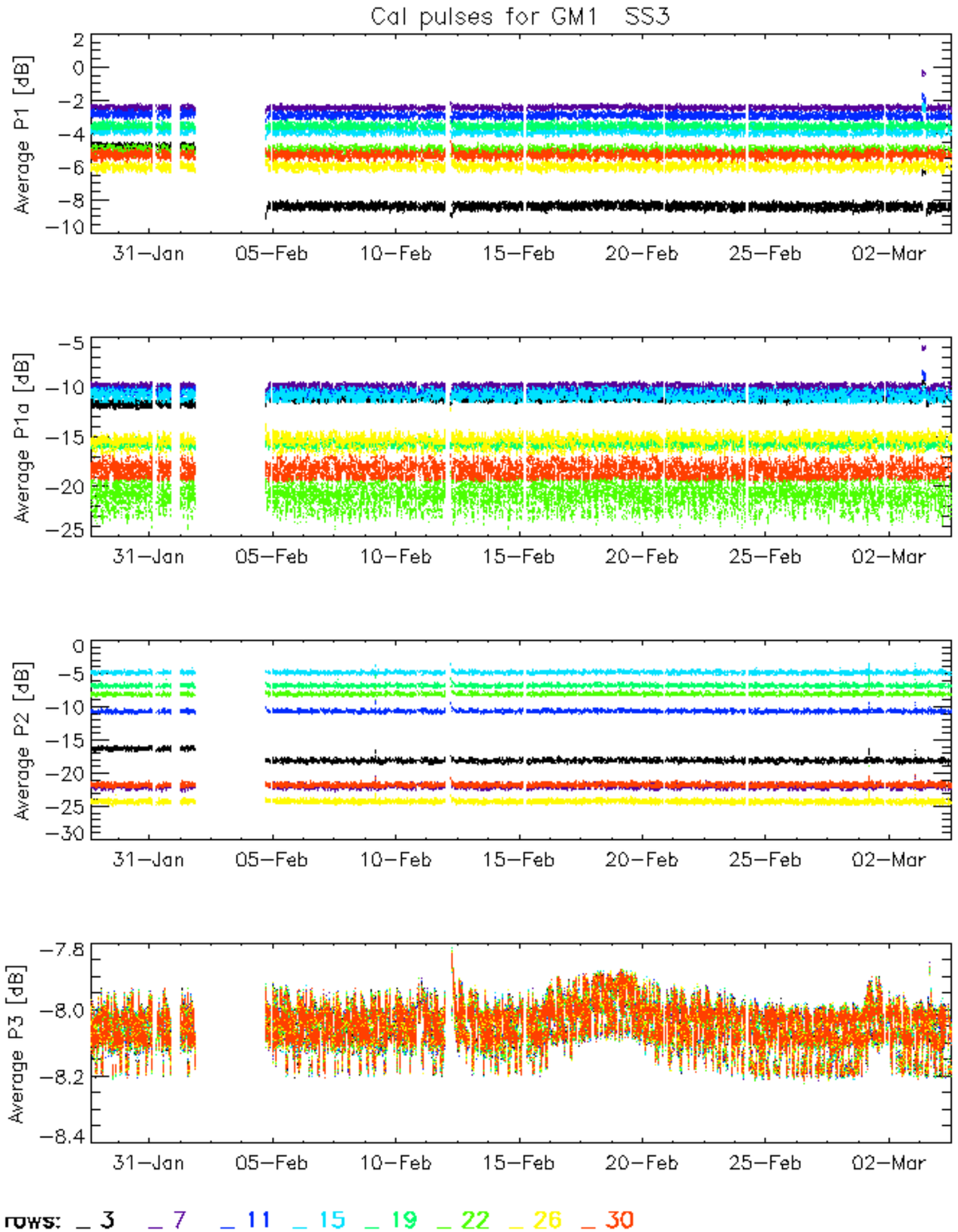
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

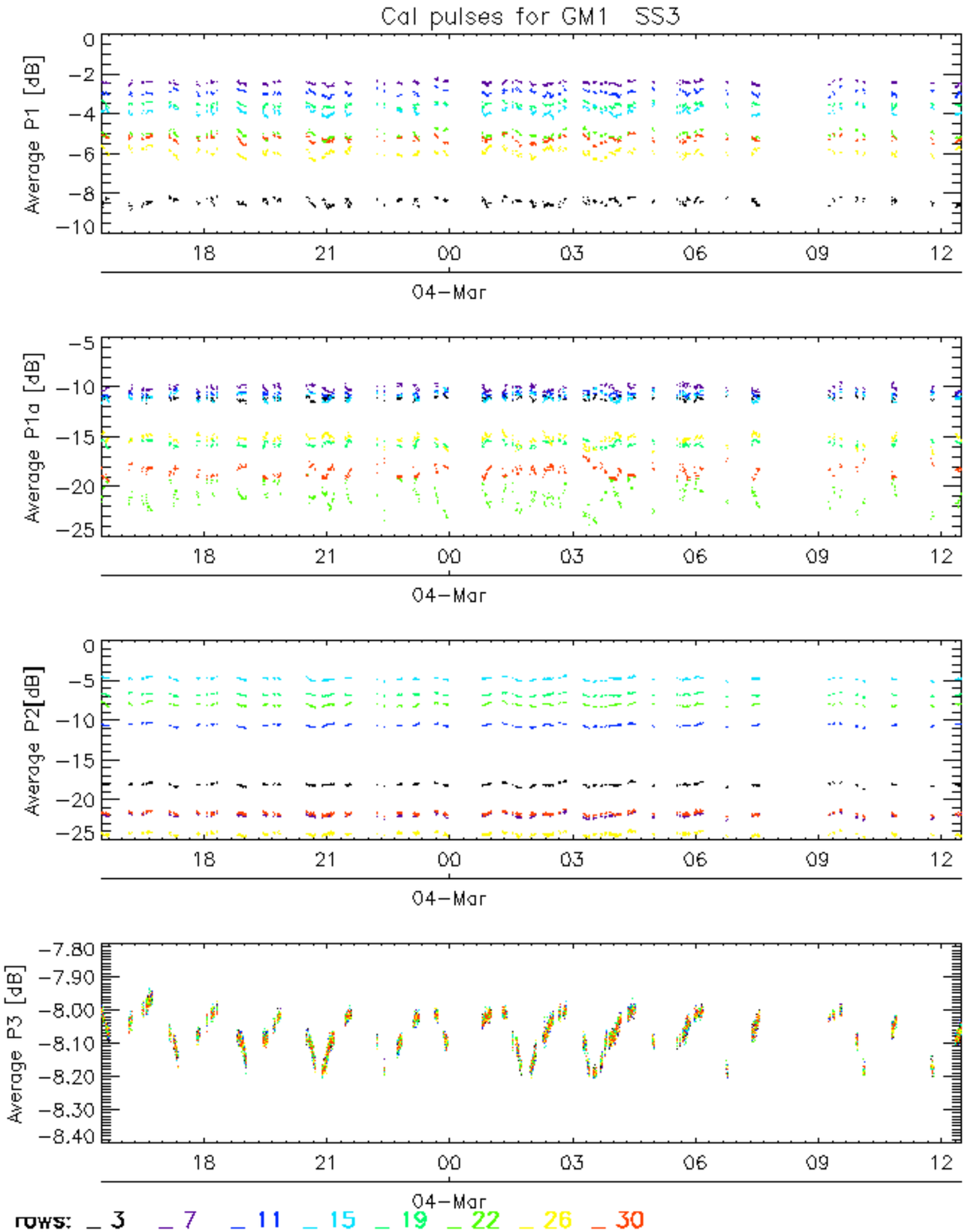
7.6 - Doppler evolution versus ANX for GM1

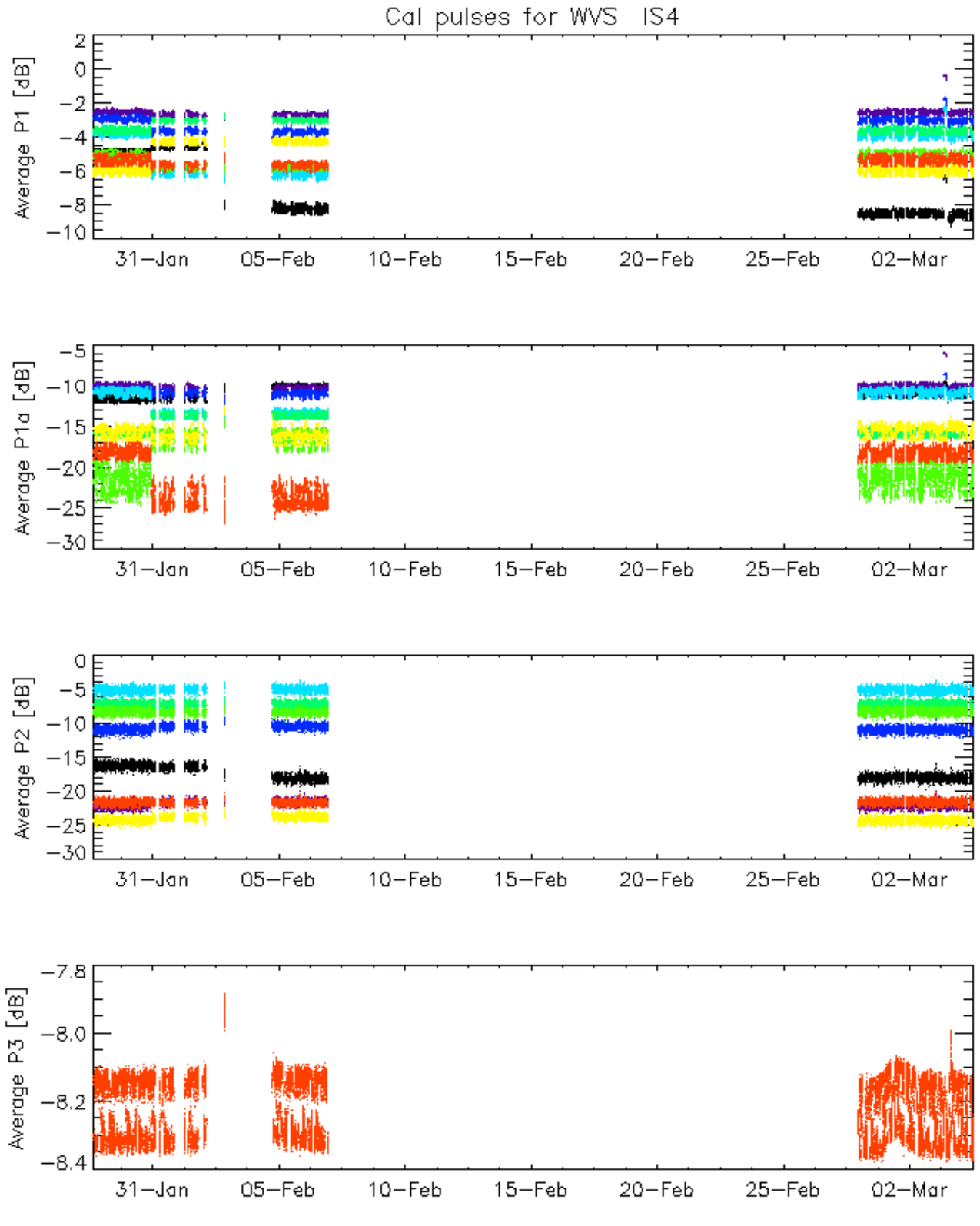
Evolution Doppler error versus ANX
☒

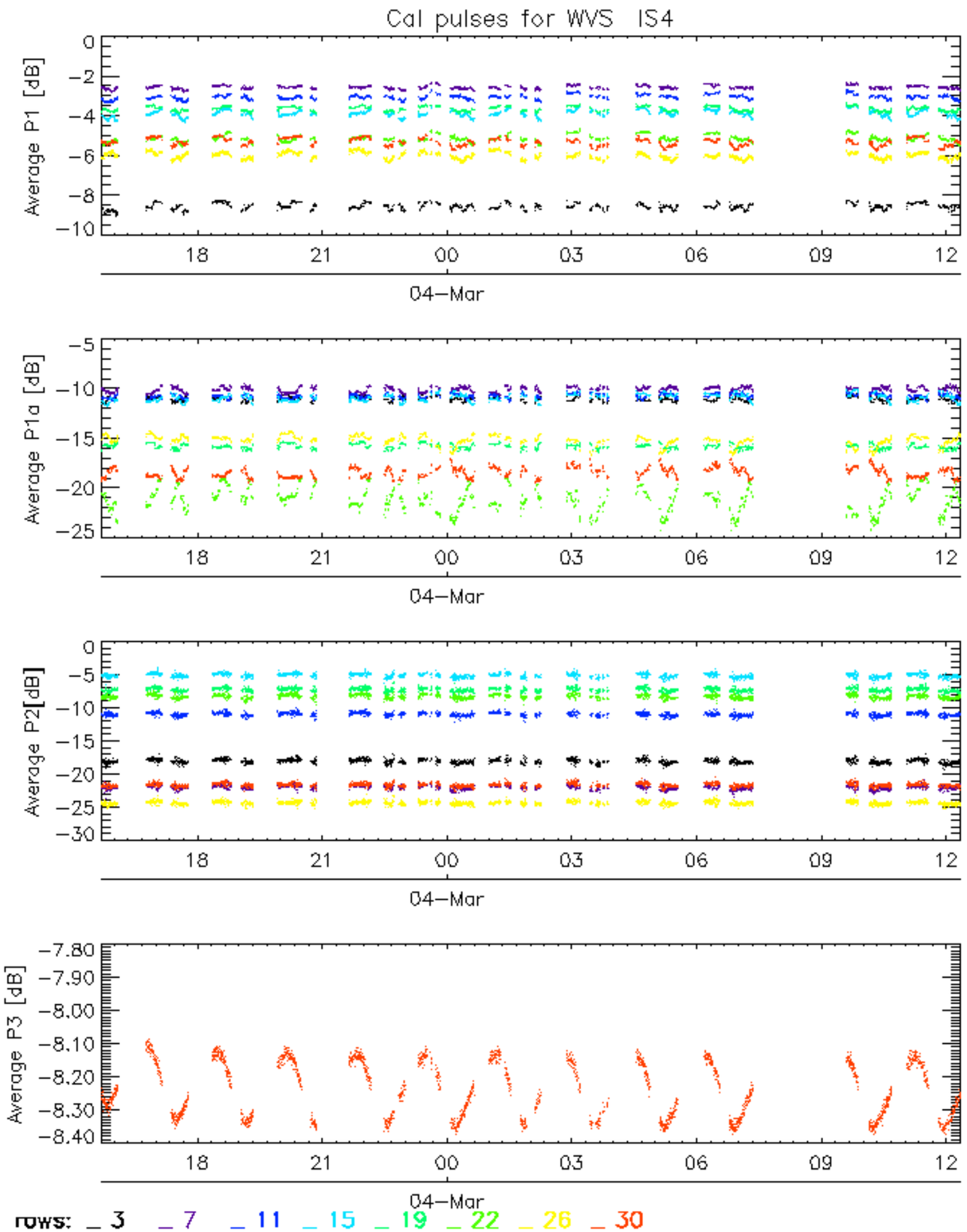

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
04−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
04−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
04−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
04−Mar
rows: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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
04−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30

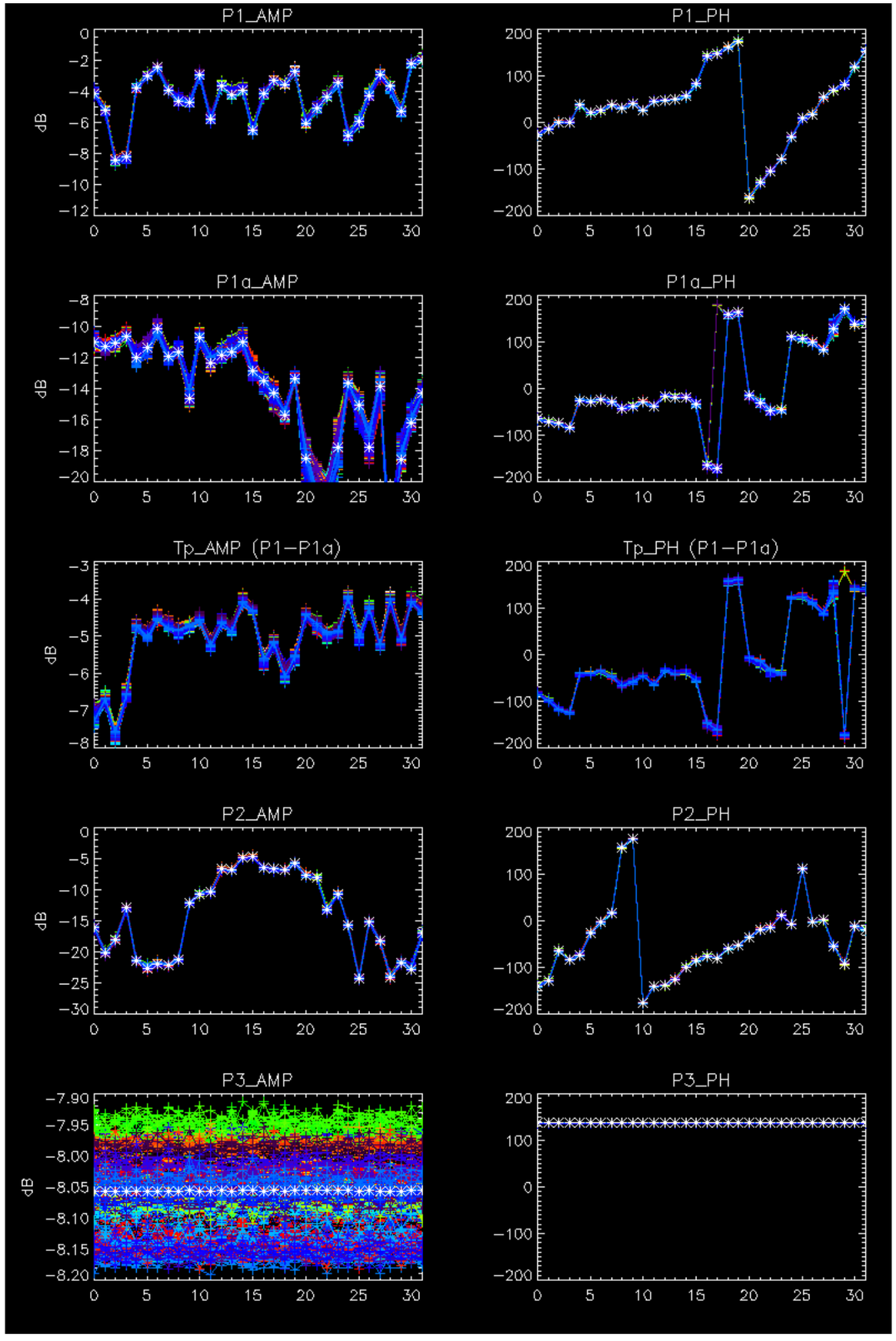

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

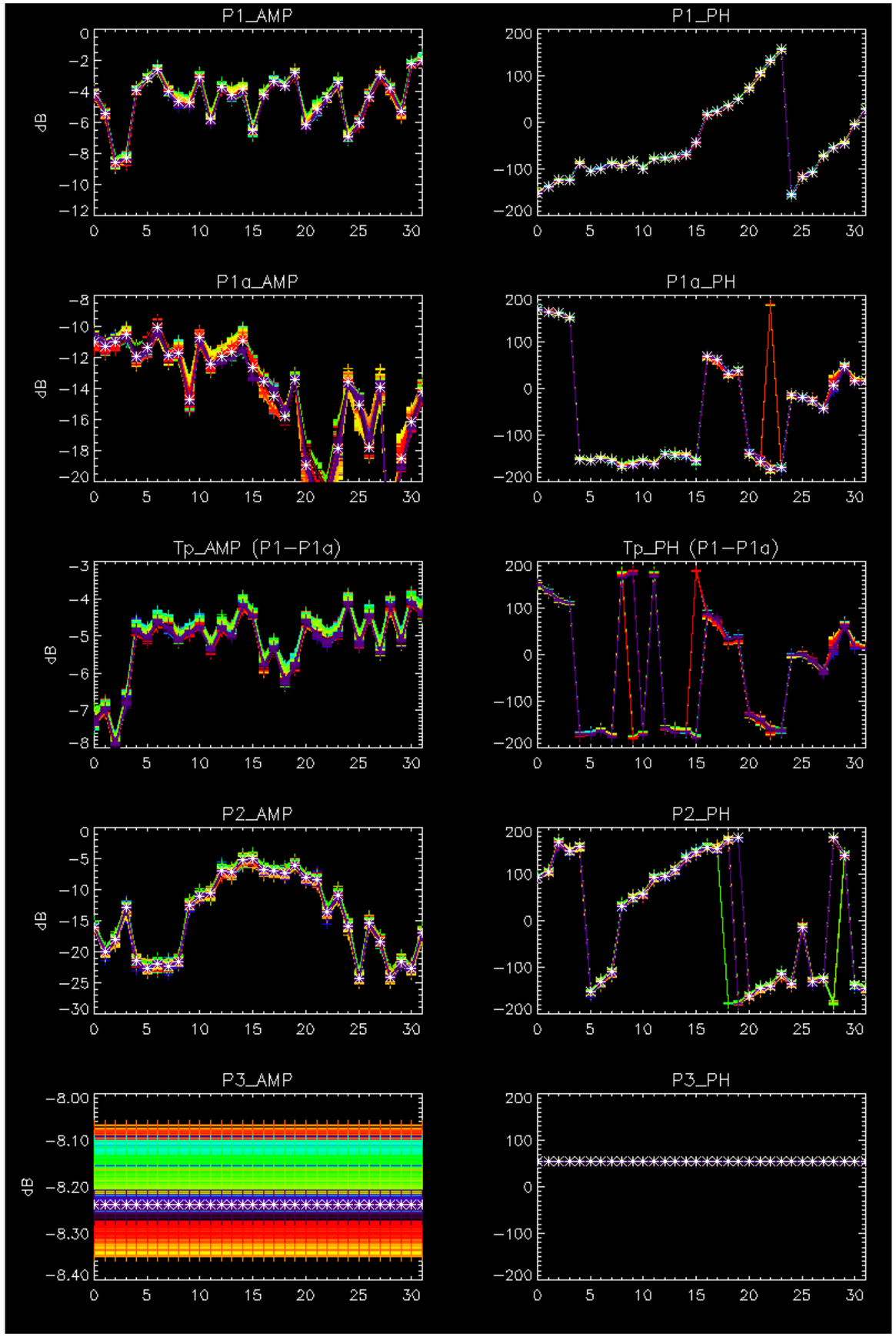

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
04−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
04−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
04−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
04−Mar
rows: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


Cal pulses for WVS IS4
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
04−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
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

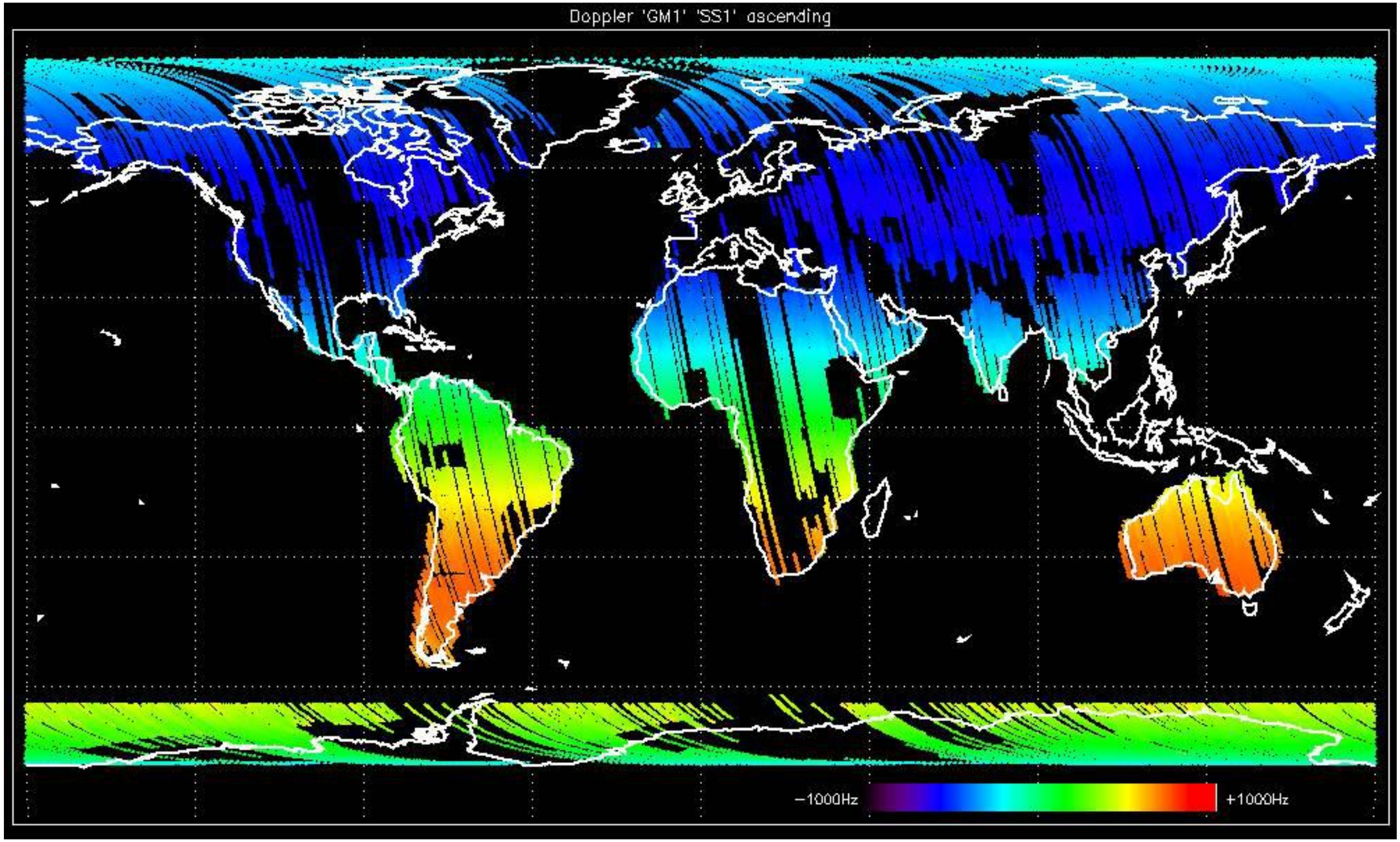
No anomalies observed.

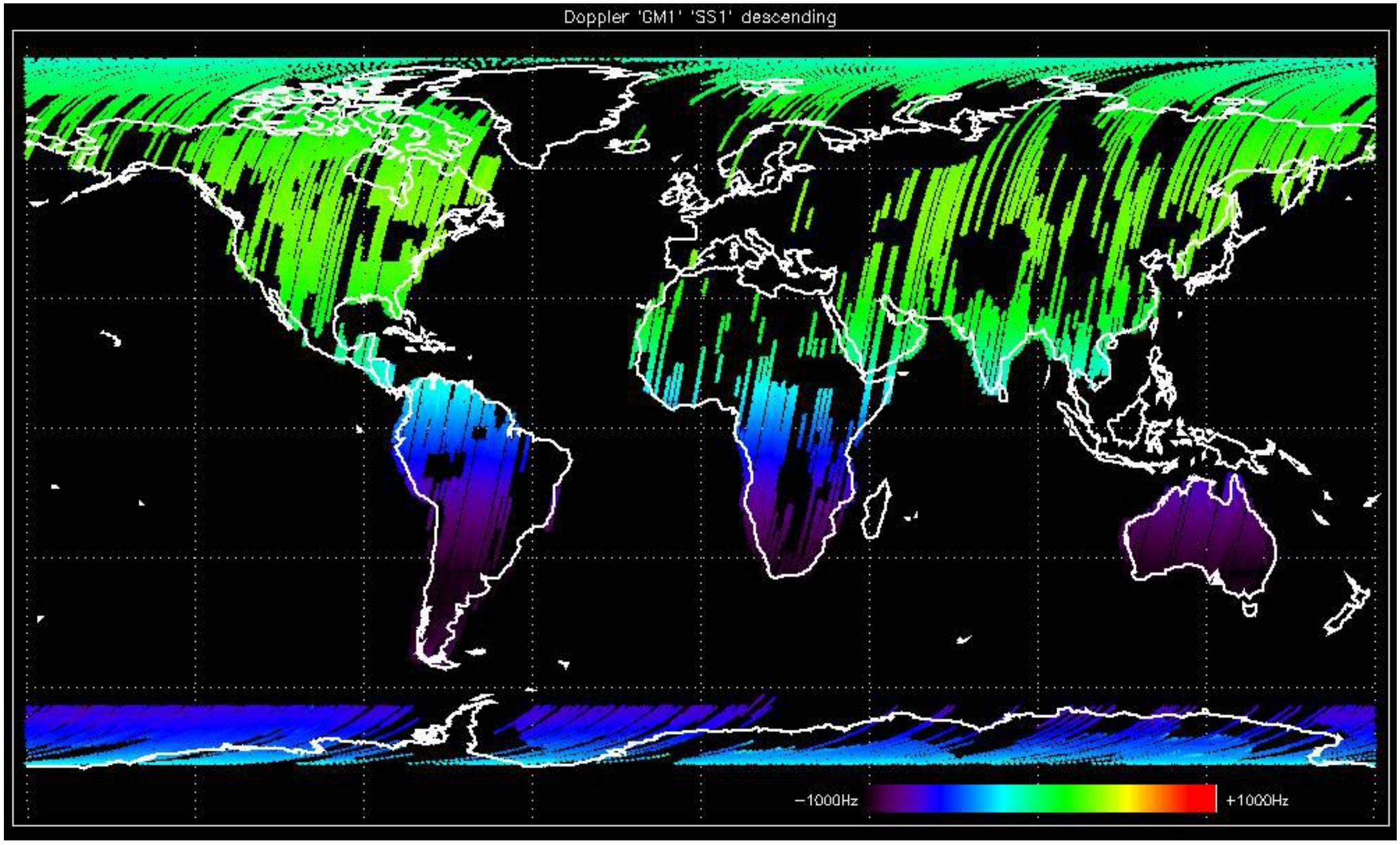

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

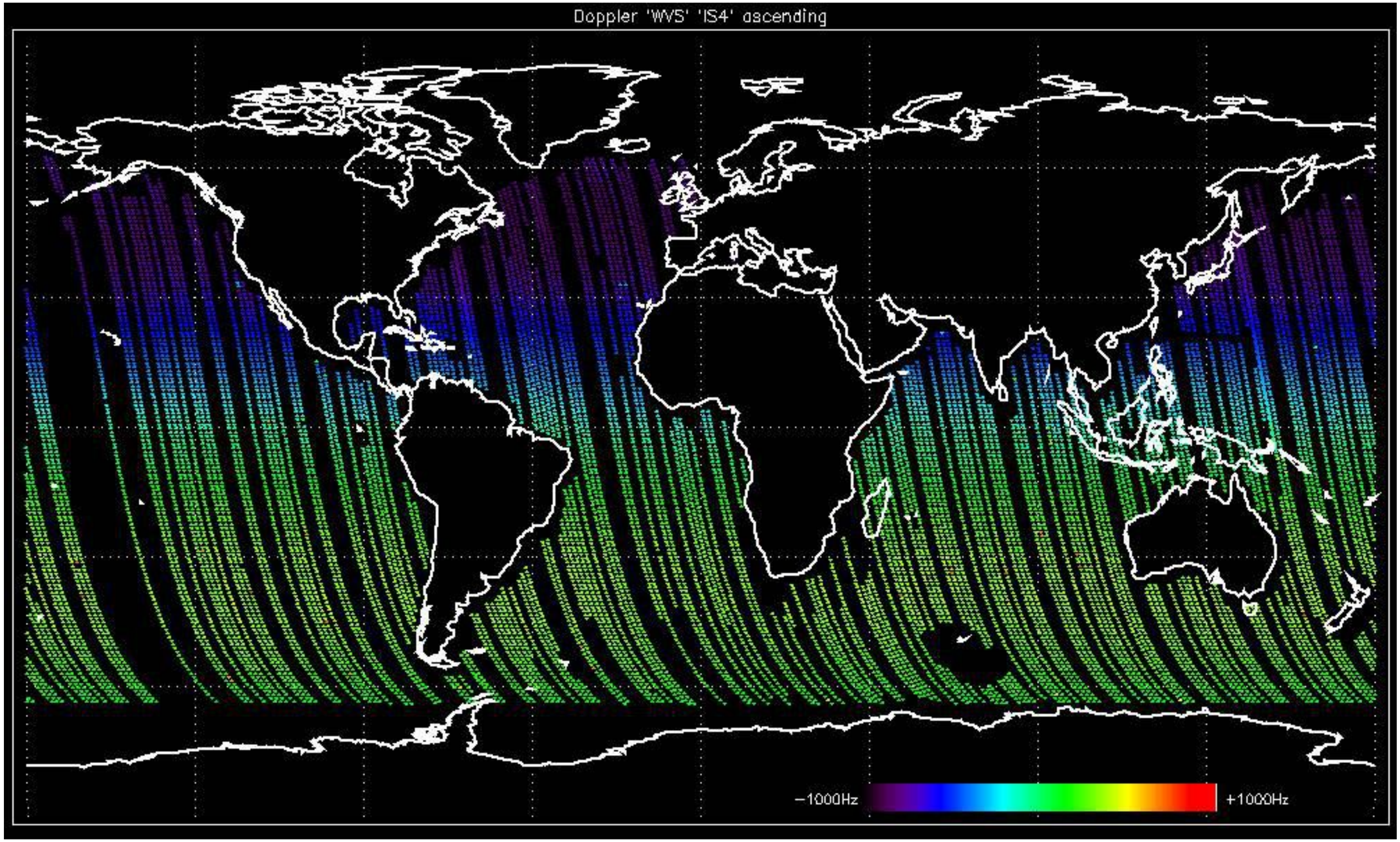

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

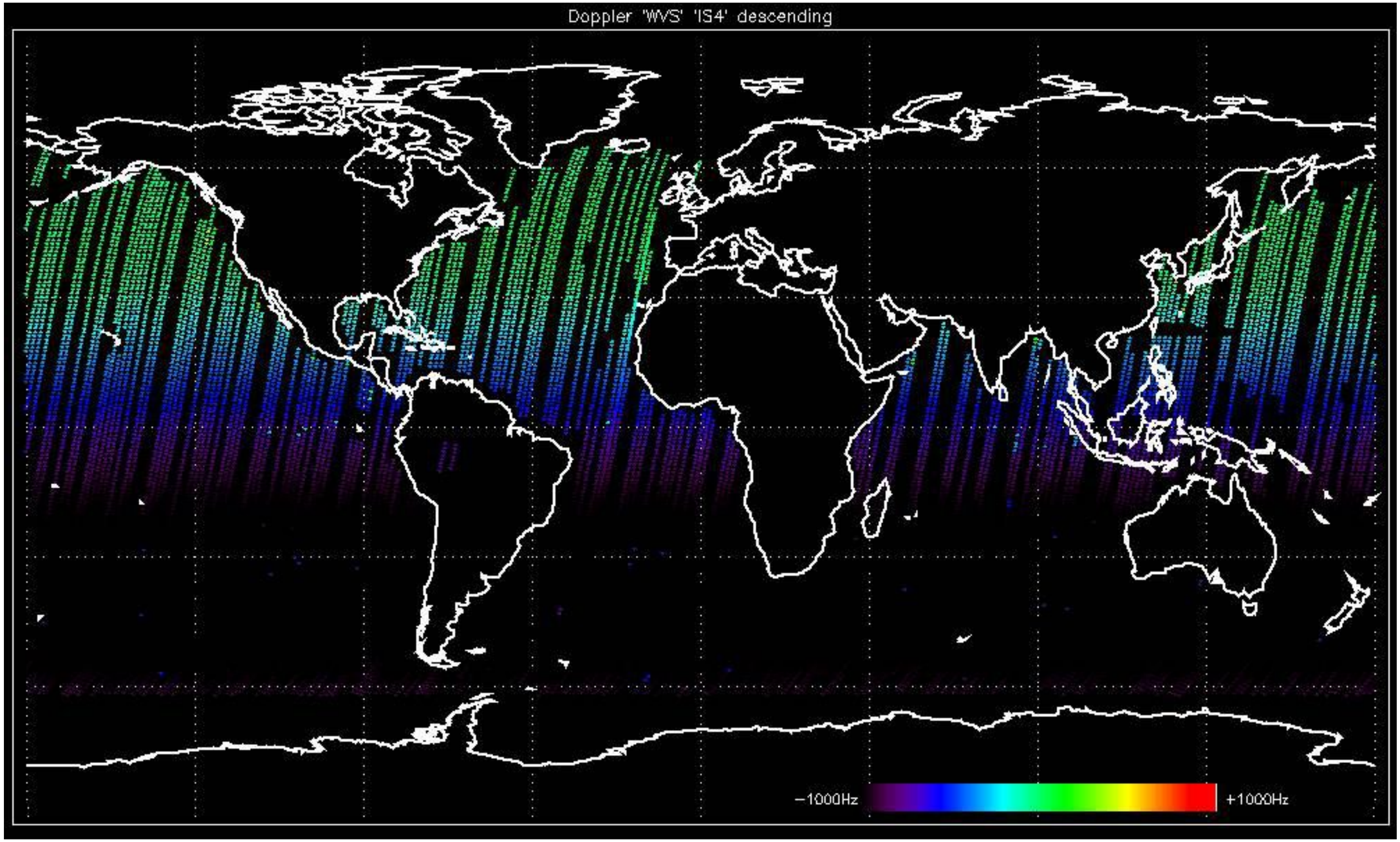
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

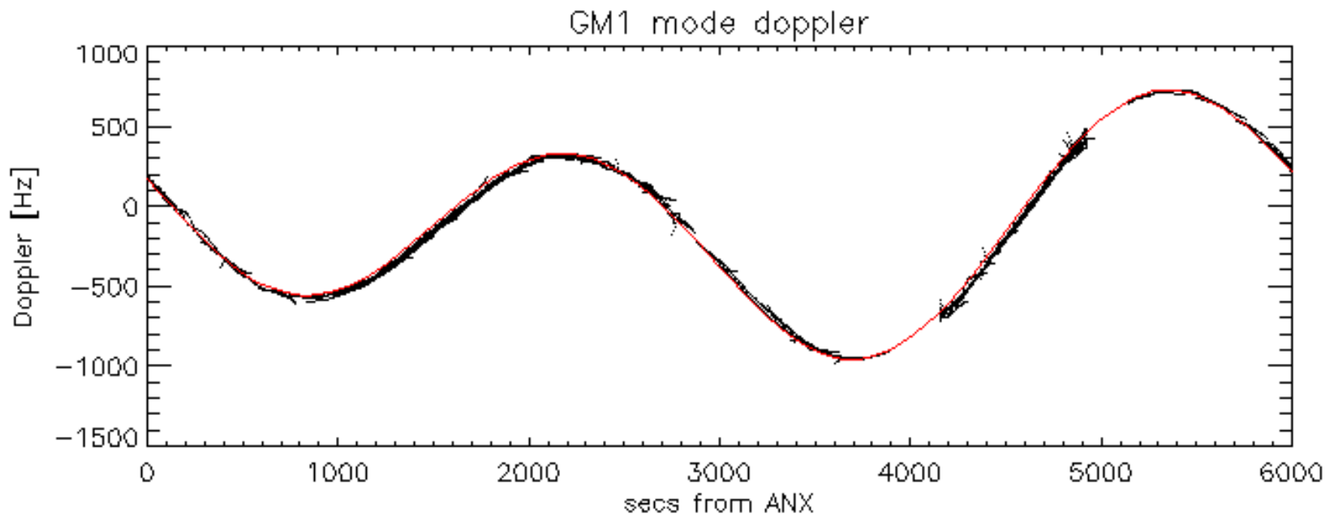
Preliminary report.The data is not yet controled

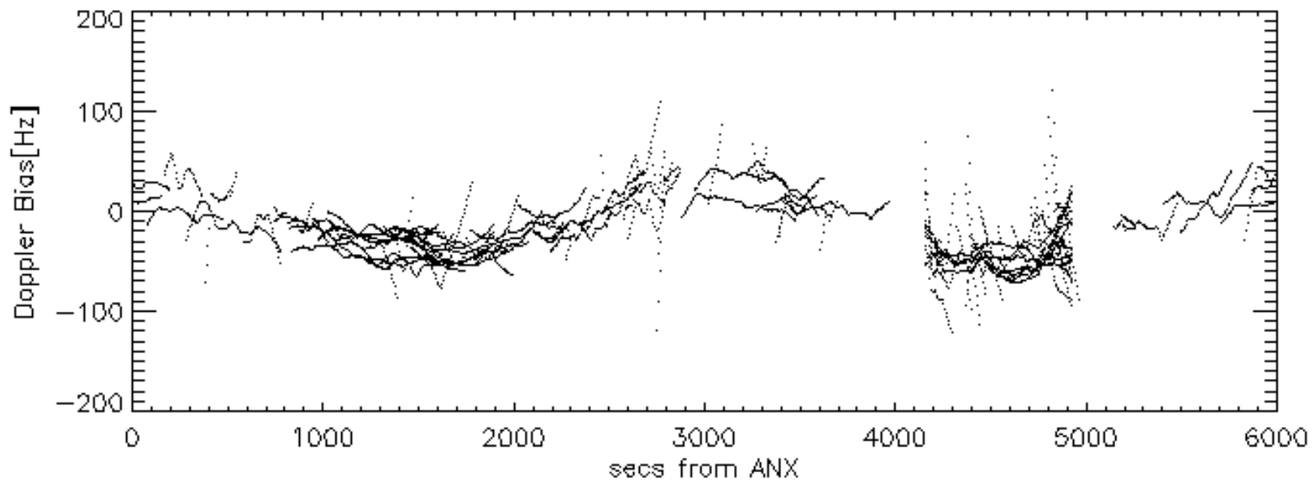

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

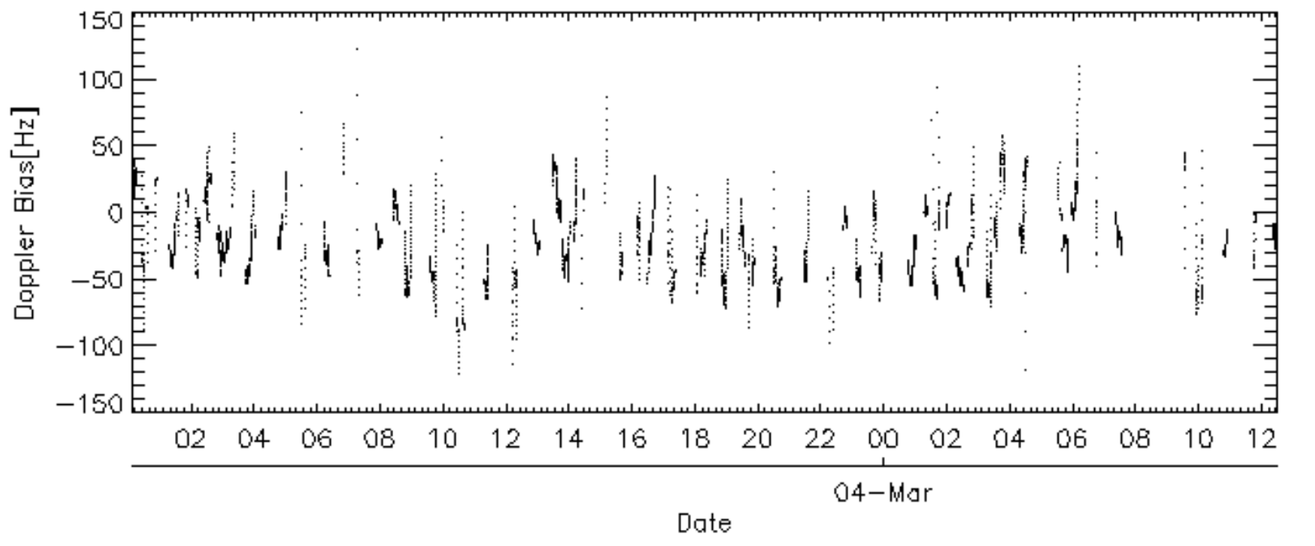

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

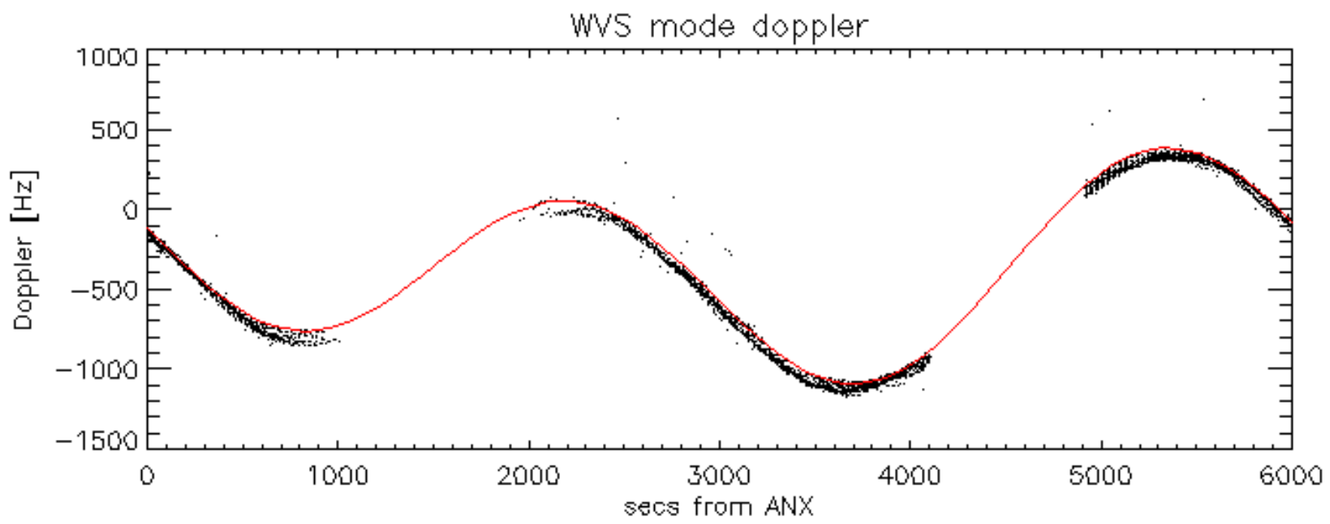

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

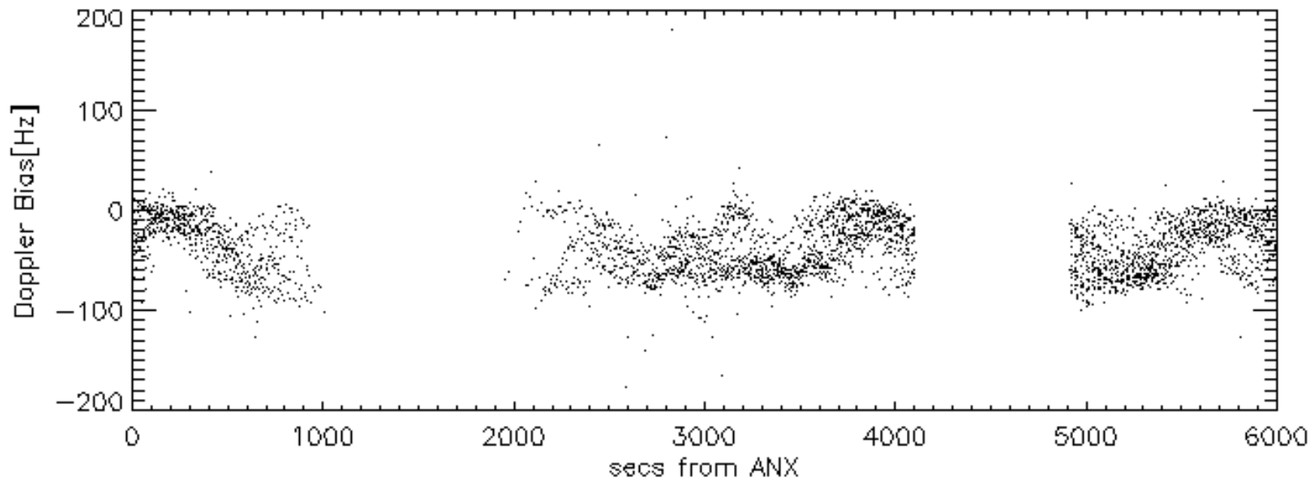

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

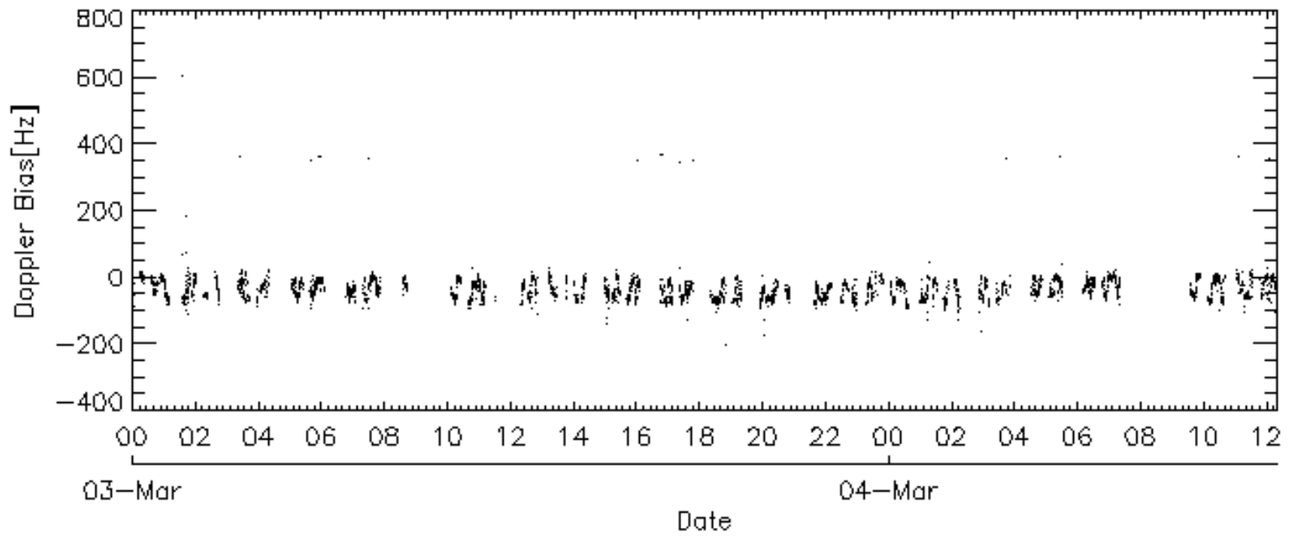

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

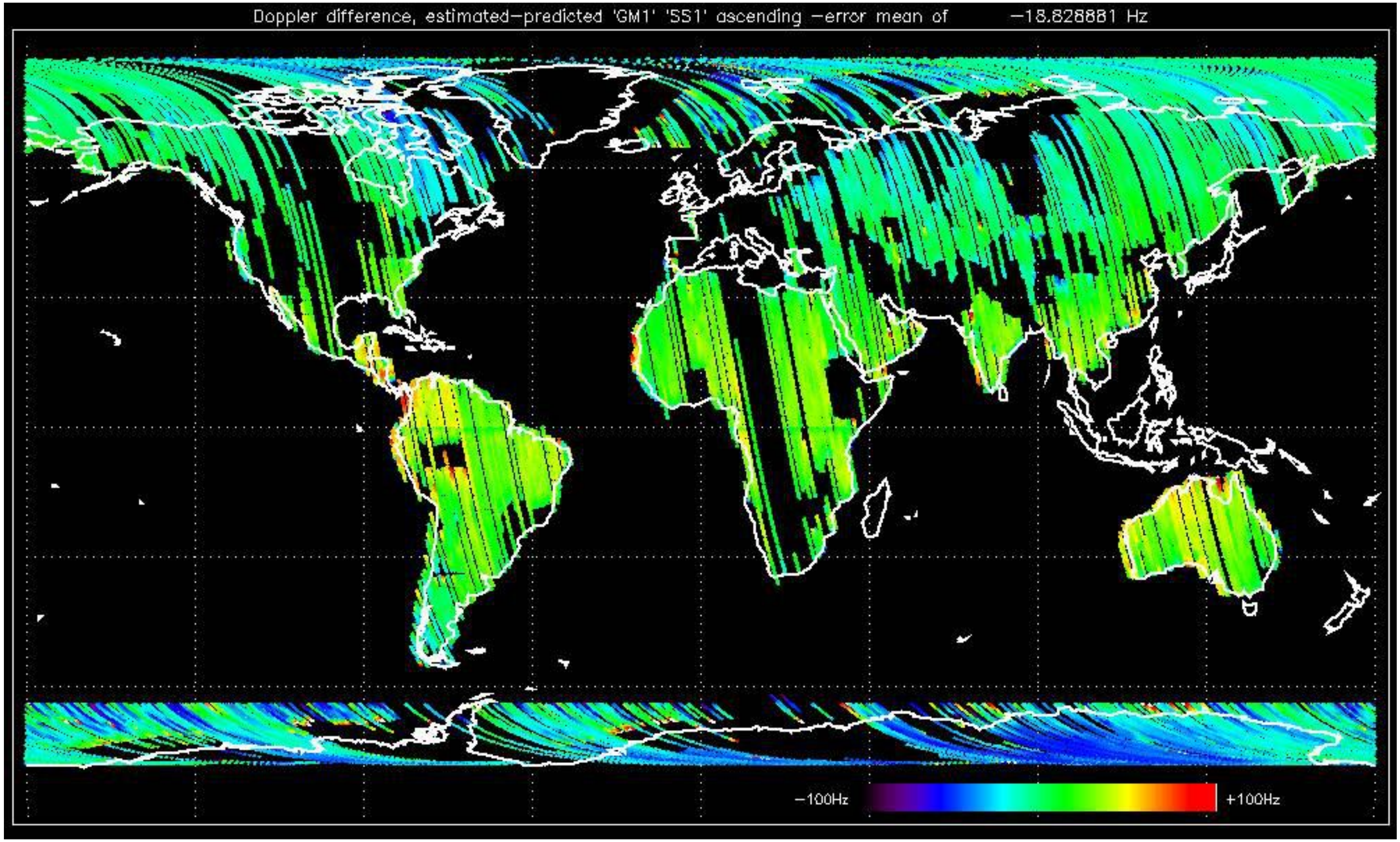

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

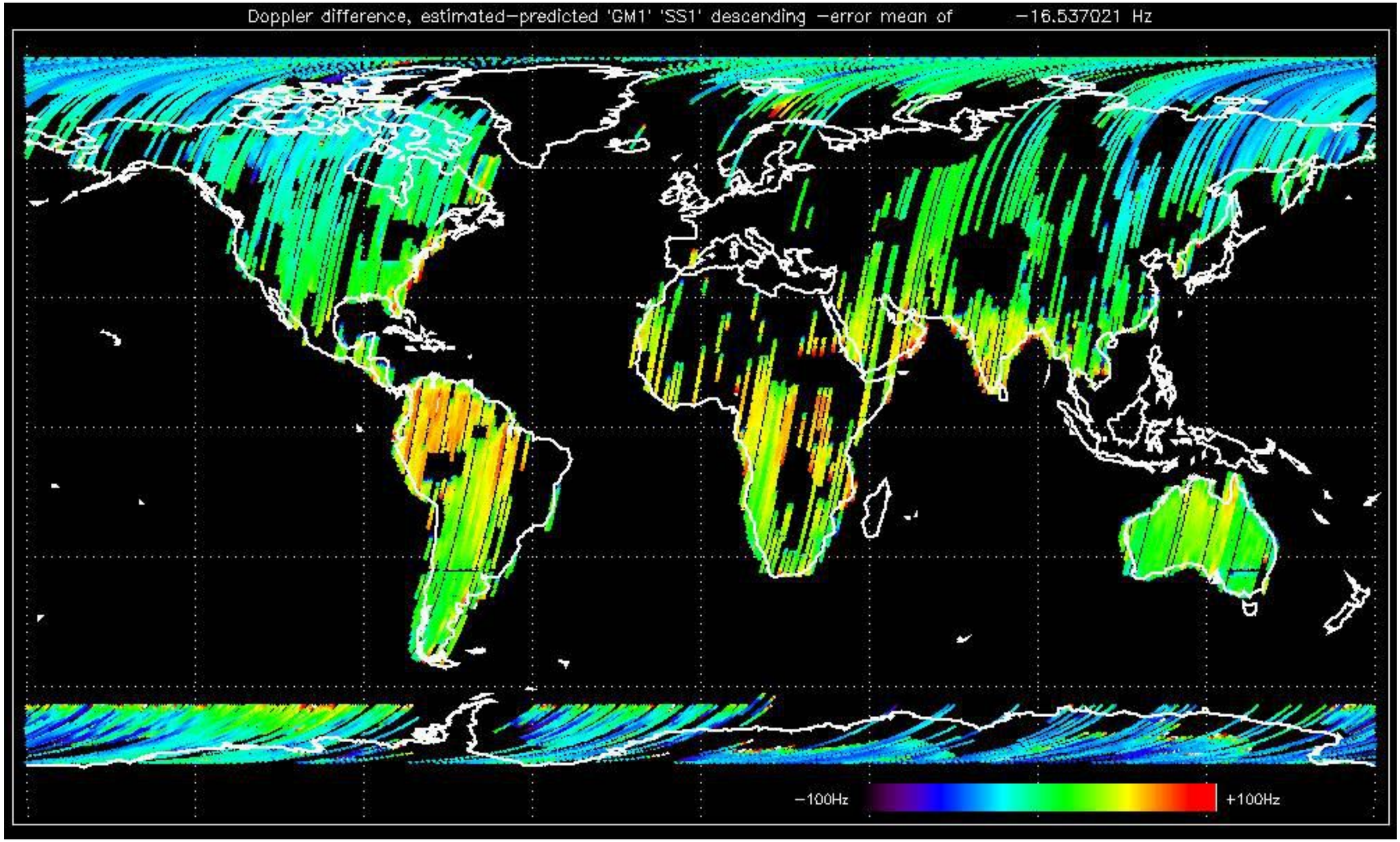

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
04−Mar
Date

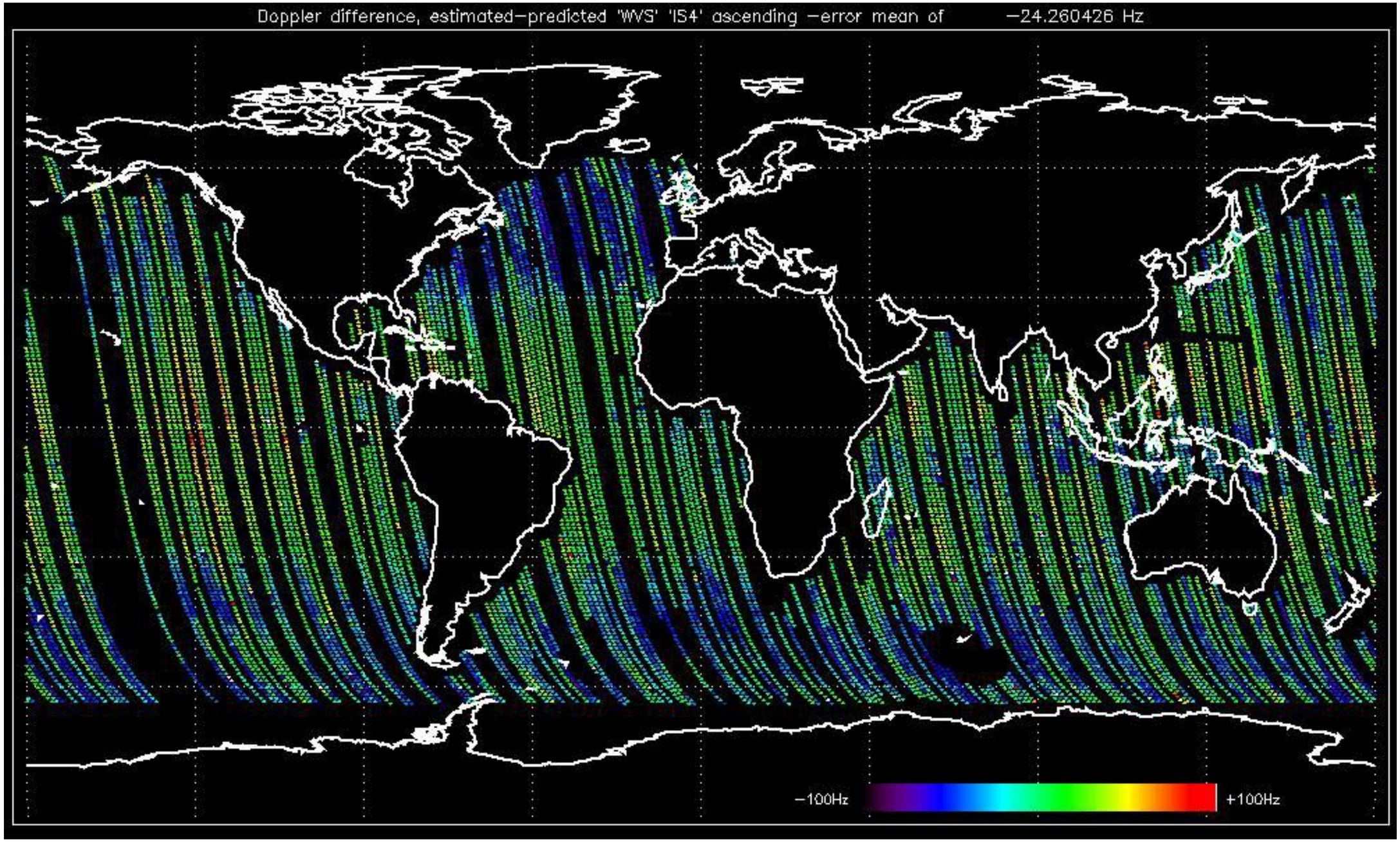

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

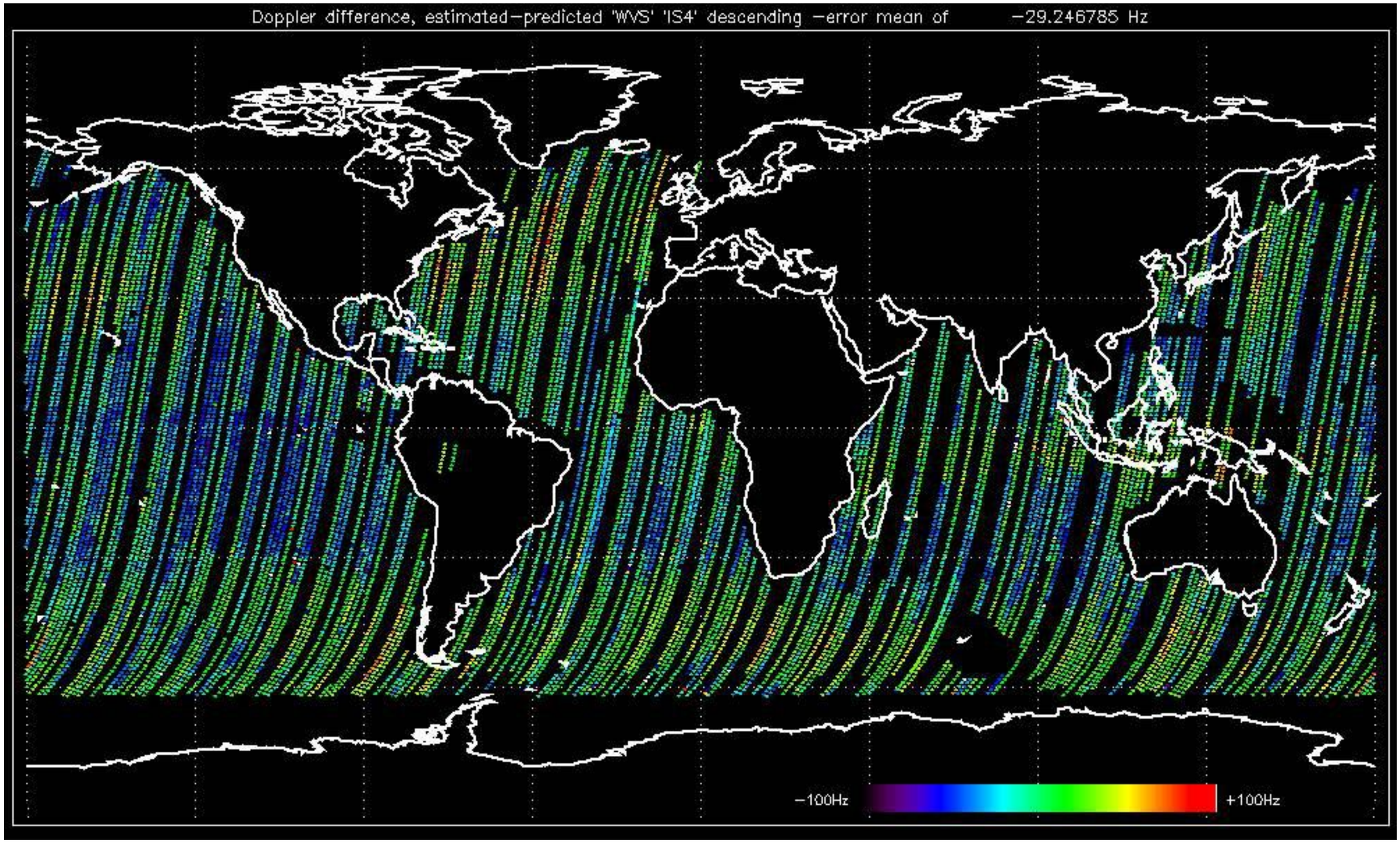

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
800
600
400
200
0
−200
−400
00
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
03−Mar
04−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.828881 Hz
−100Hz
+100Hz

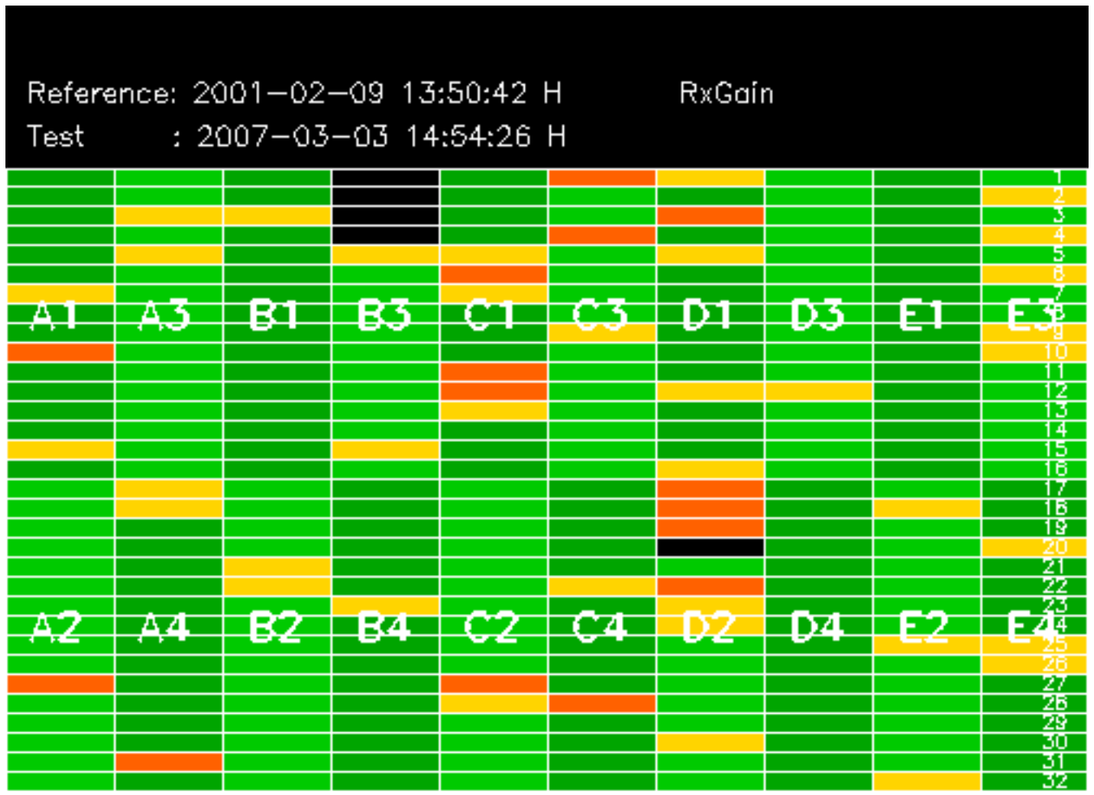

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.537021 Hz
-100Hz
+100Hz

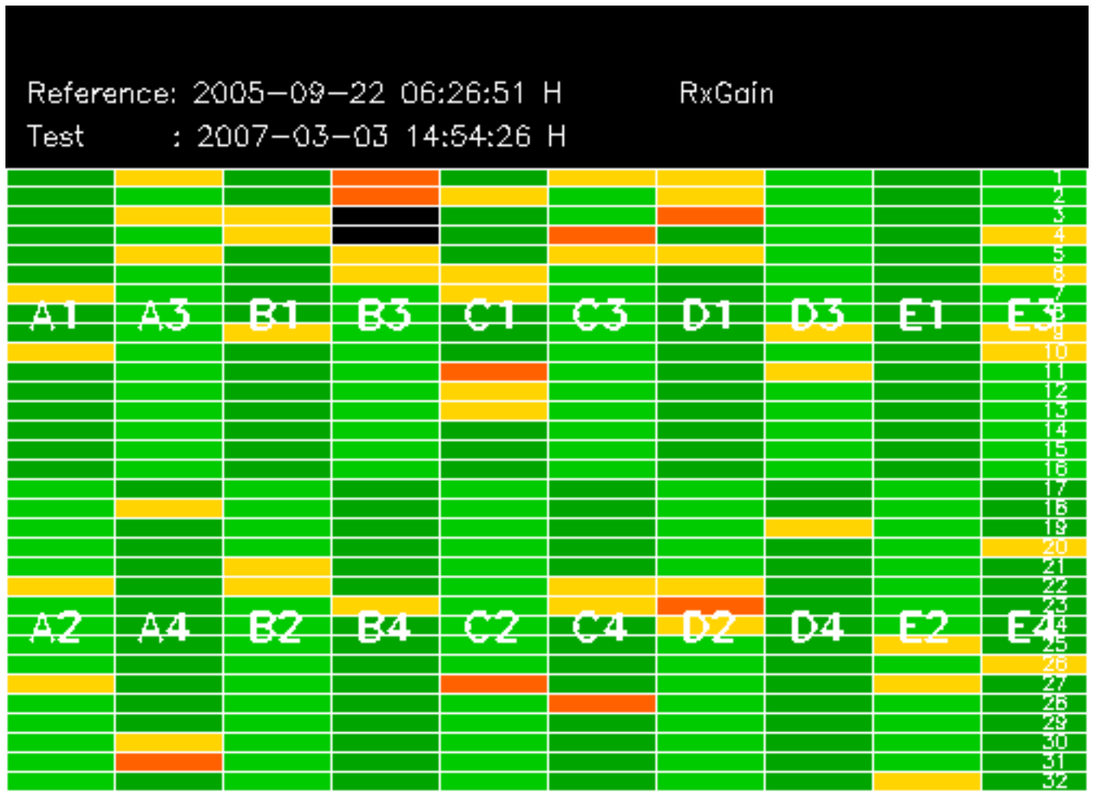

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −24.260426 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −29.246785 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-03 14:54:26 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-03-03 14:54:26 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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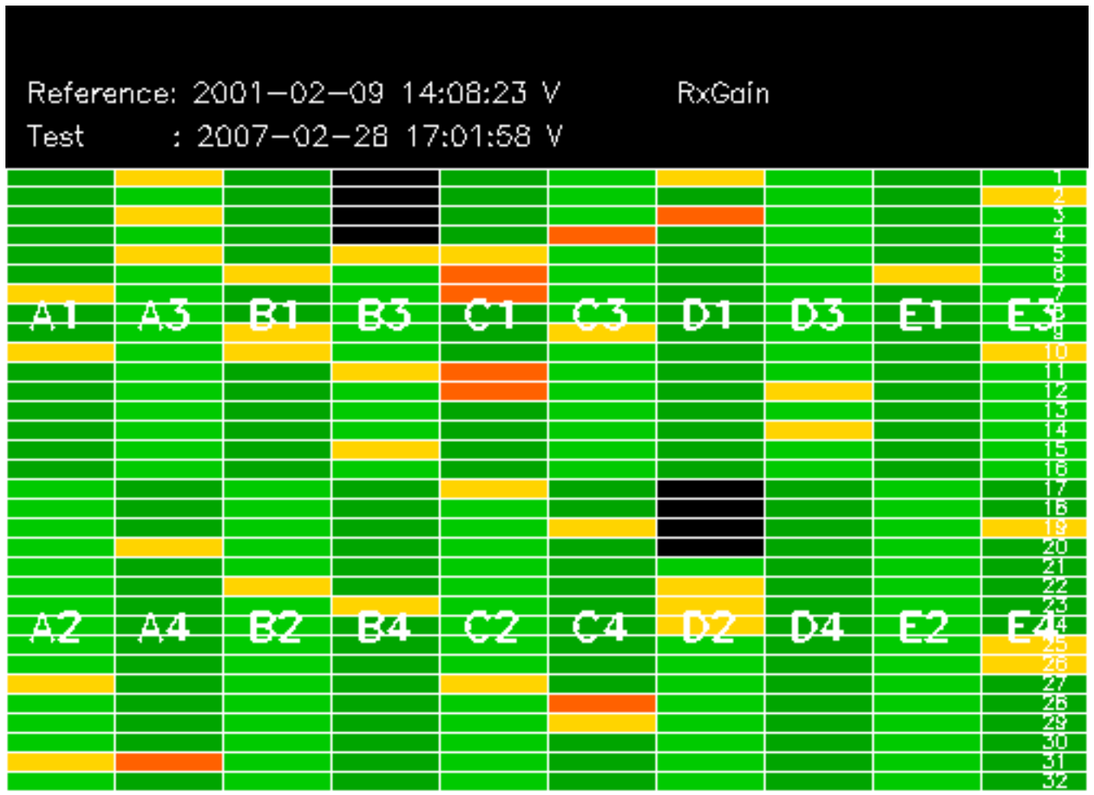
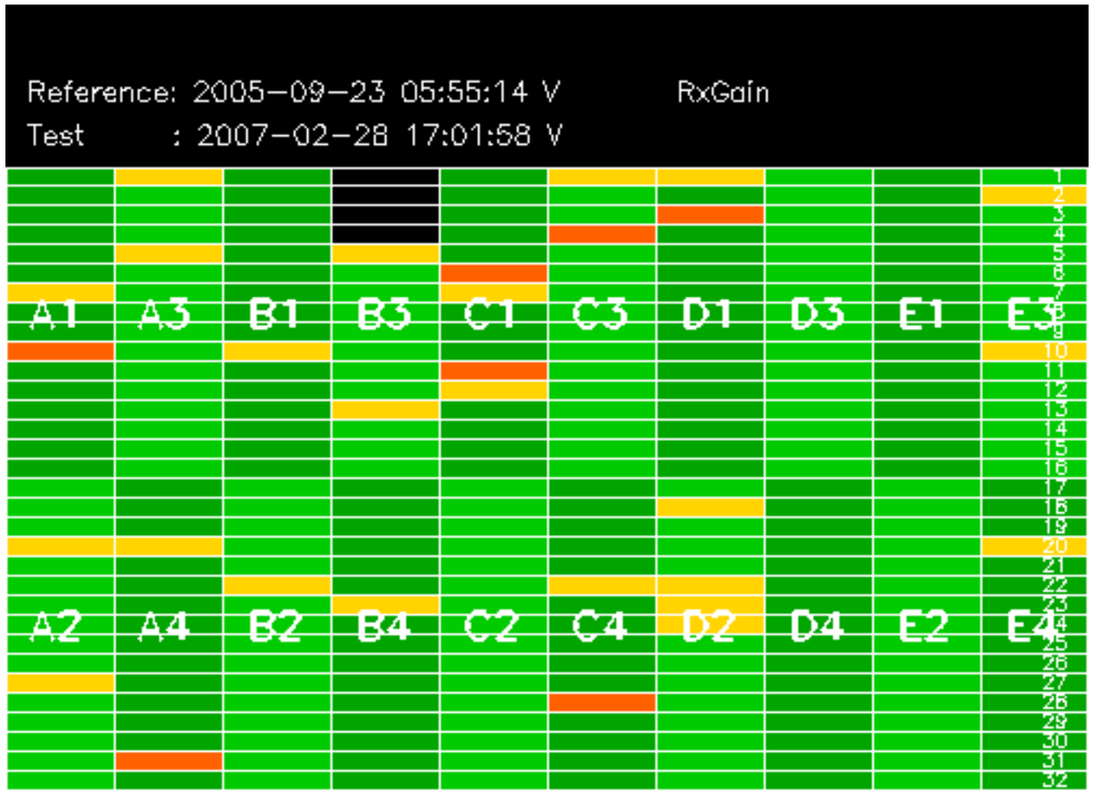
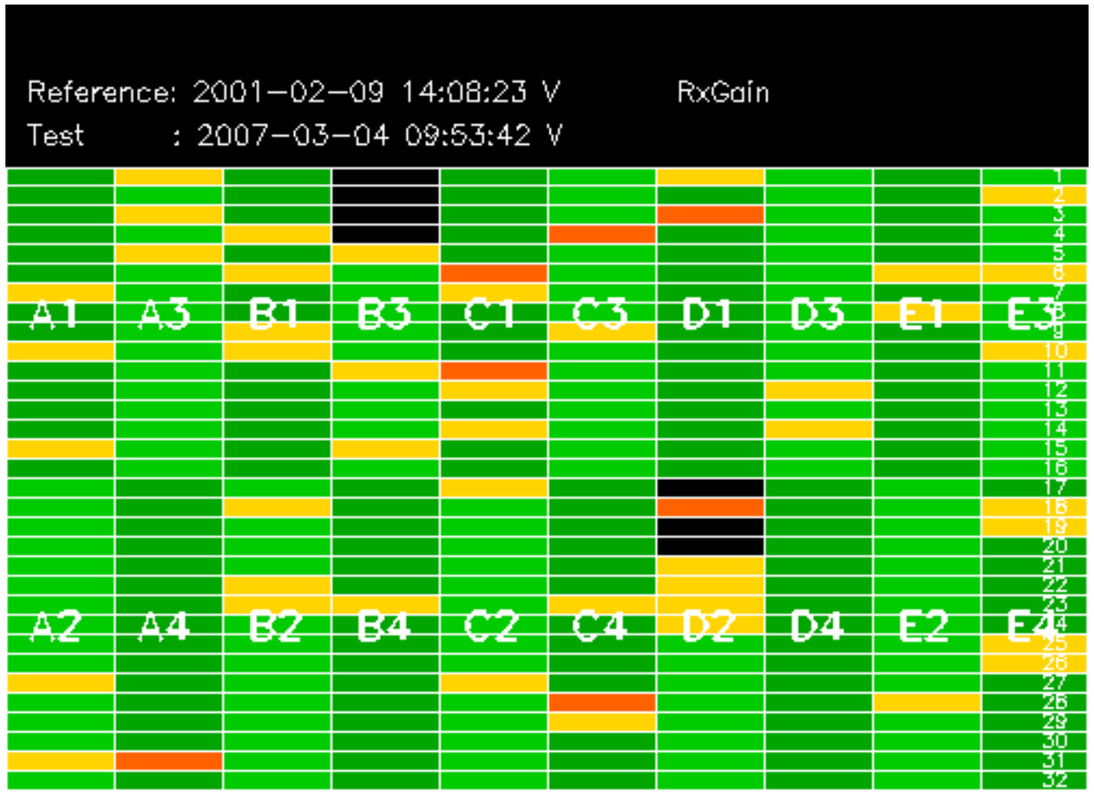
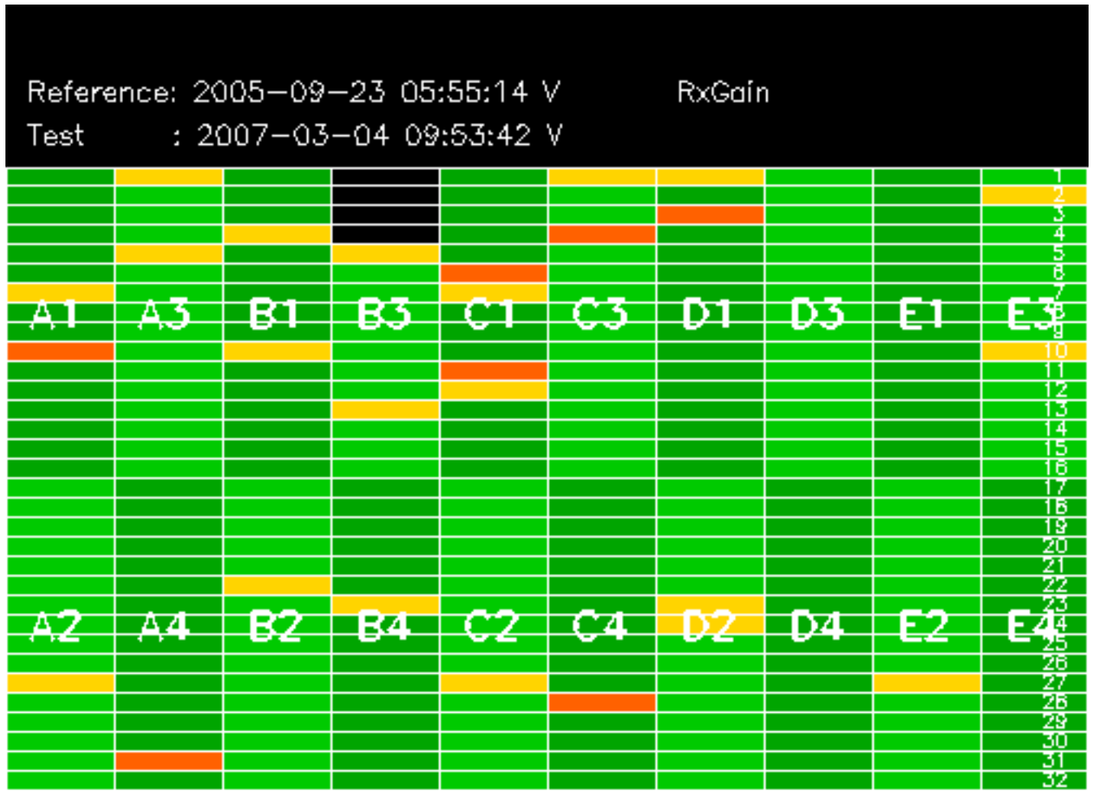

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-02-28 17:01:58 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-28 17:01:58 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
Test : 2007-03-04 09:53:42 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 : 2007-03-04 09:53:42 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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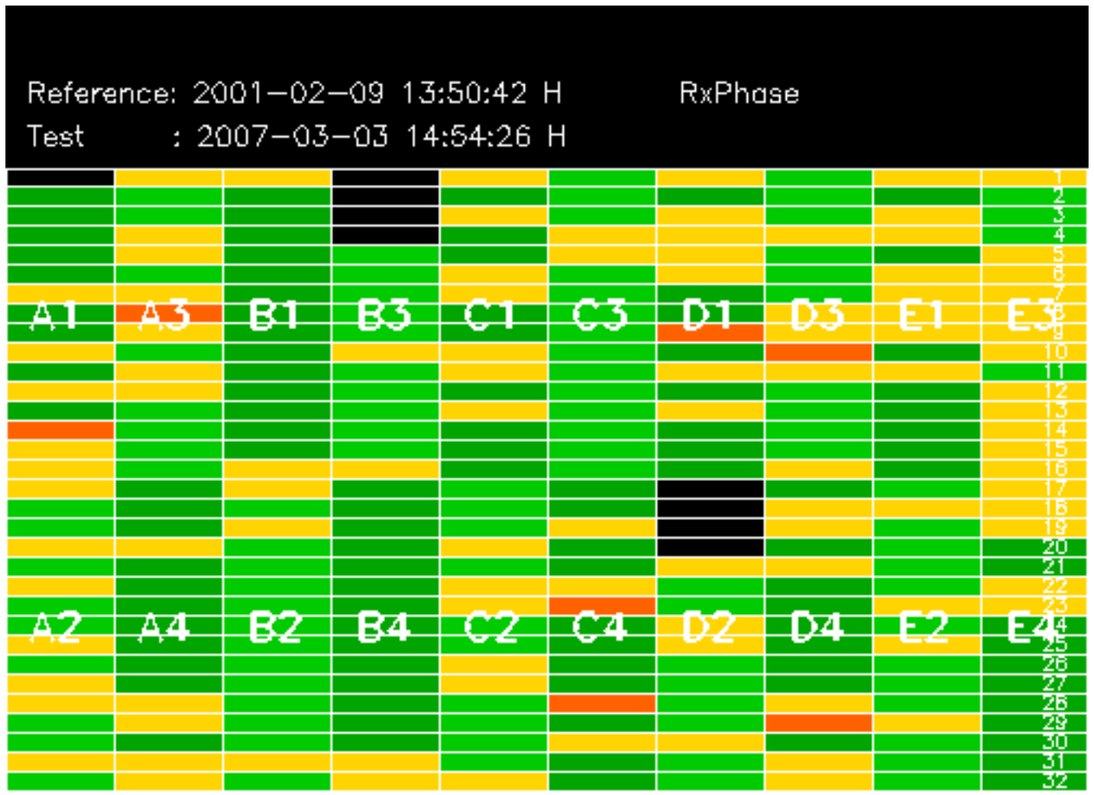
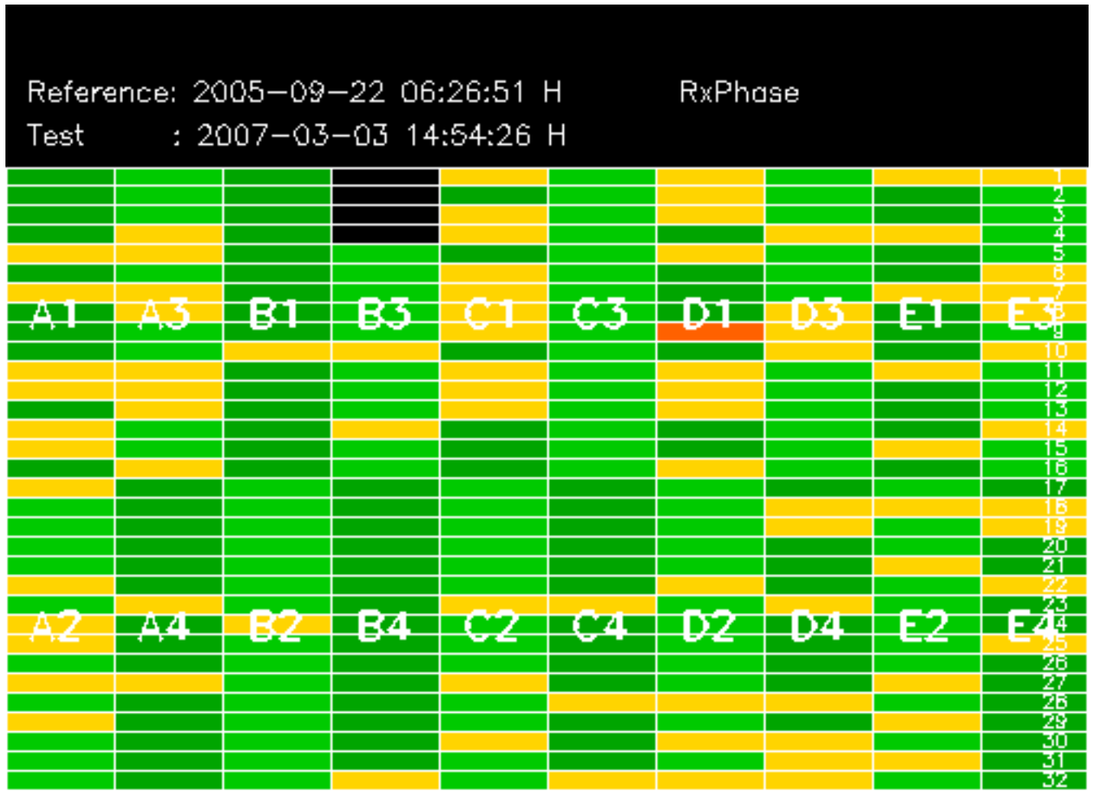
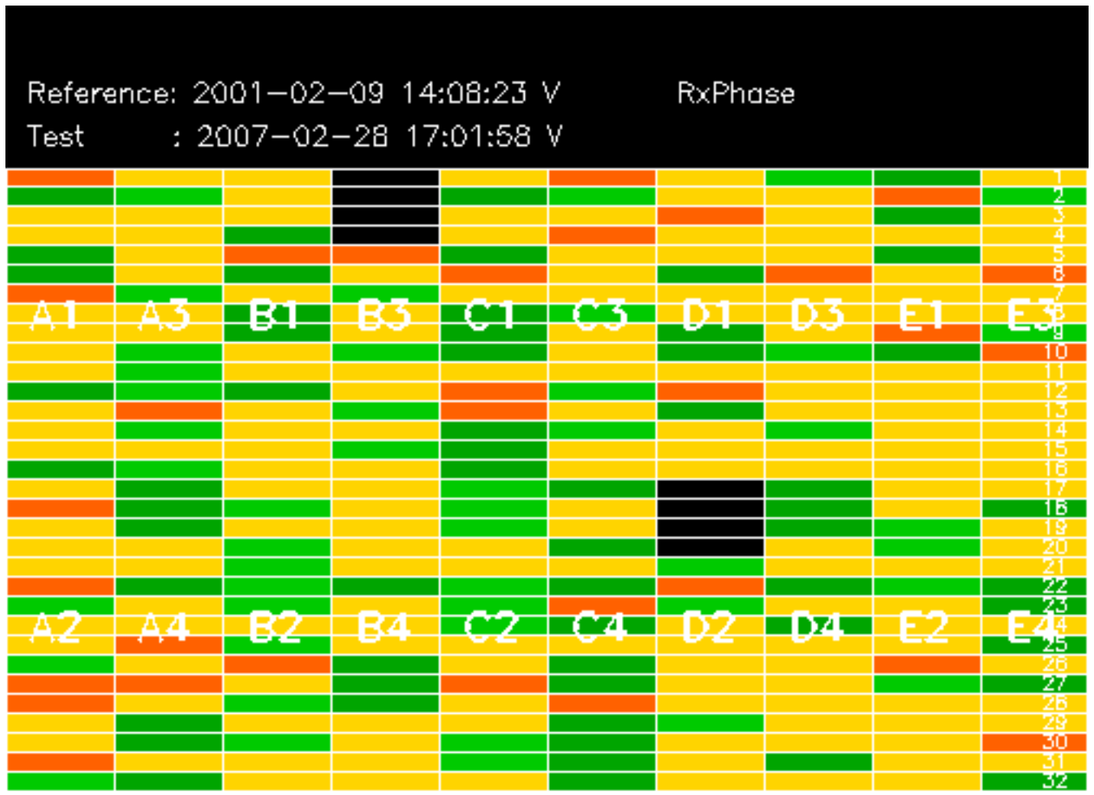
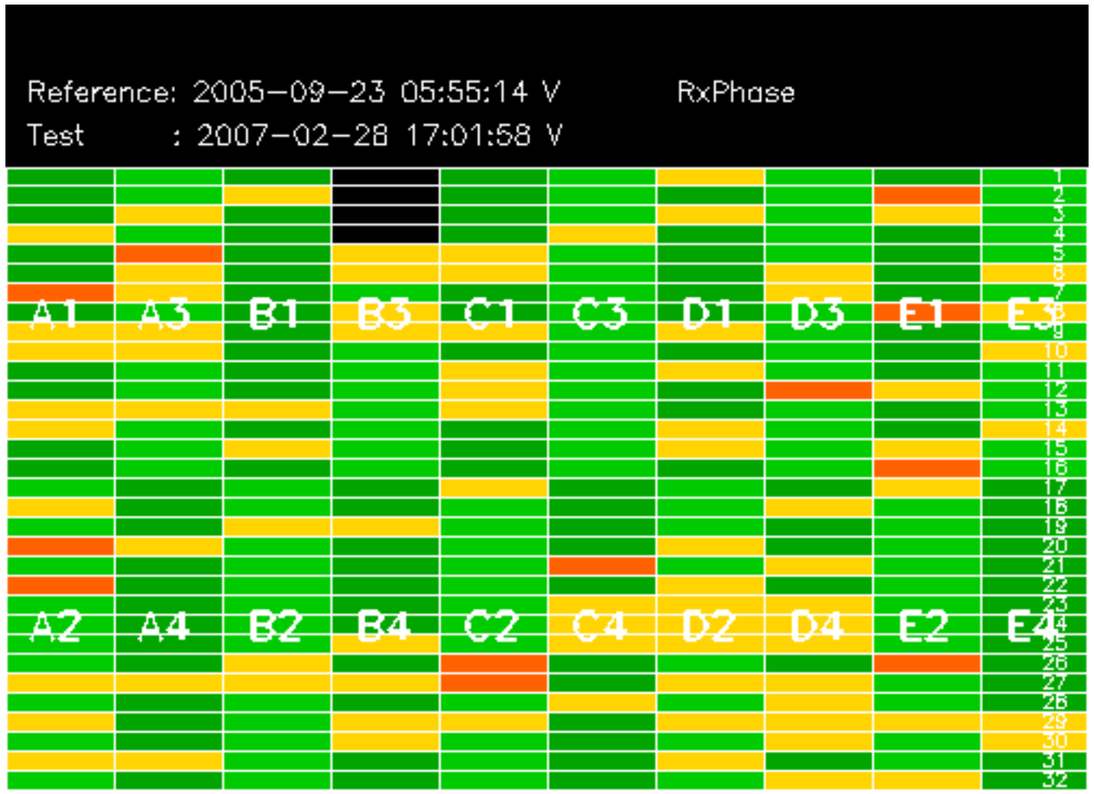

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-03 14:54:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-03 14:54:26 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-28 17:01:58 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 : 2007-02-28 17:01:58 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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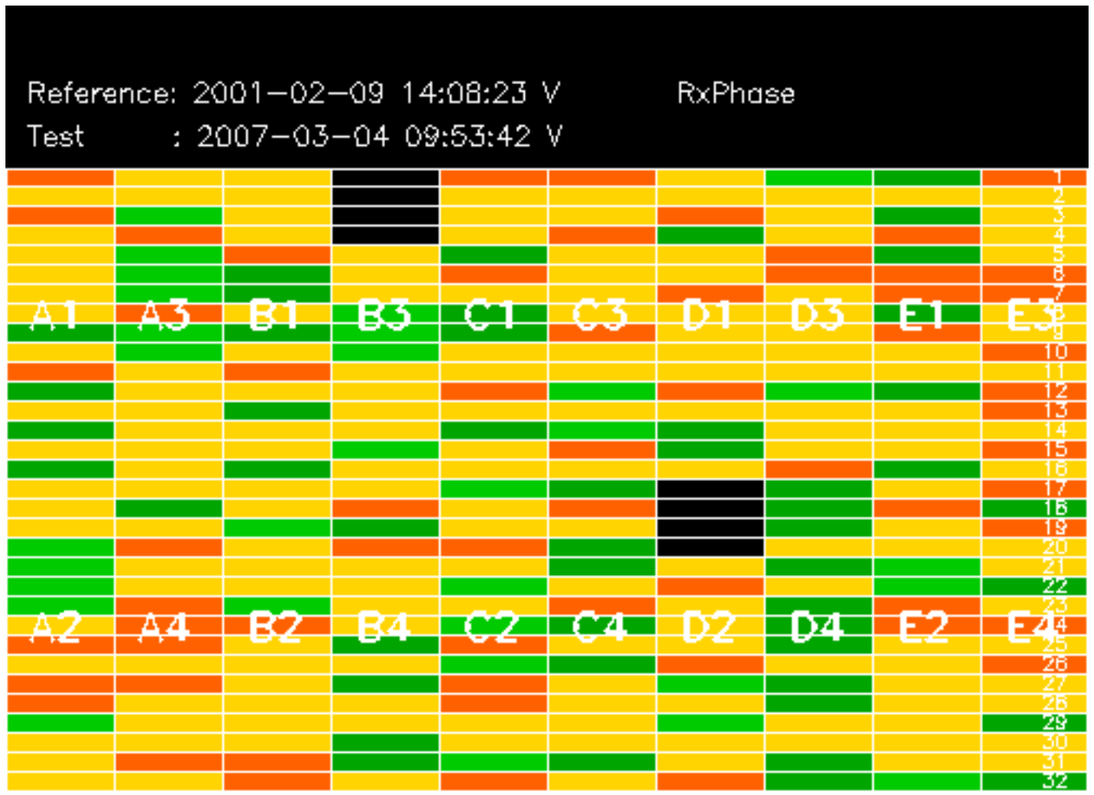
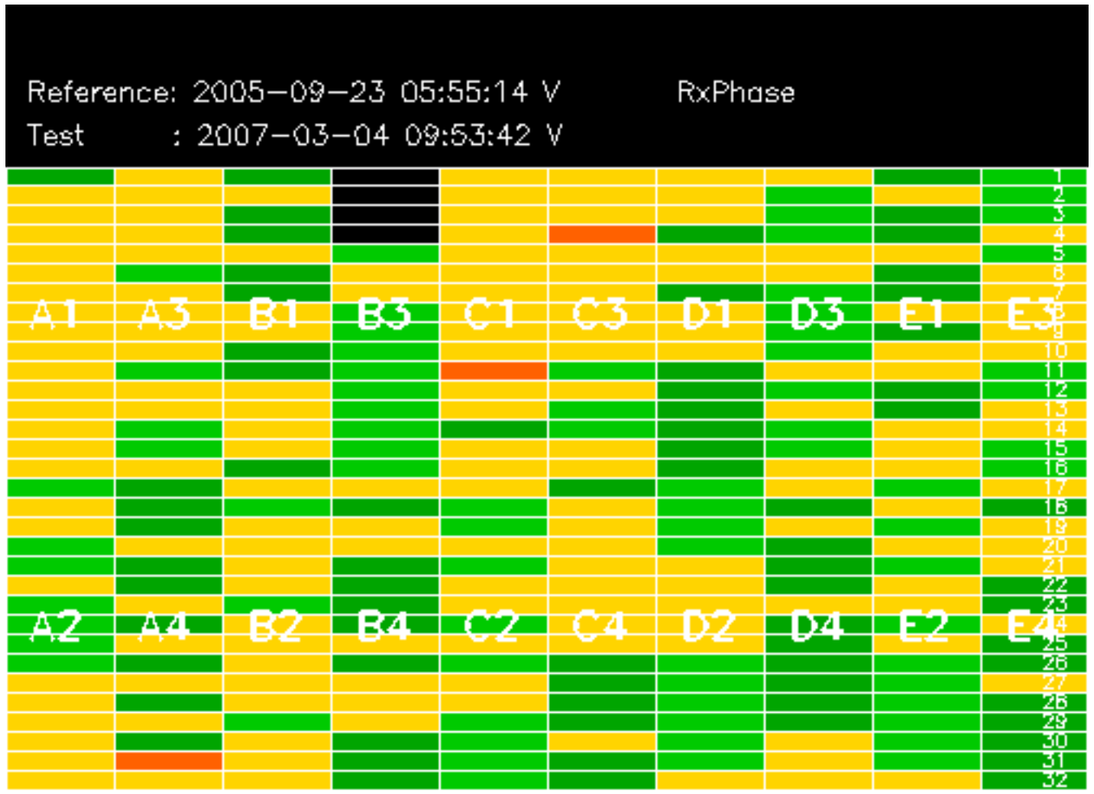
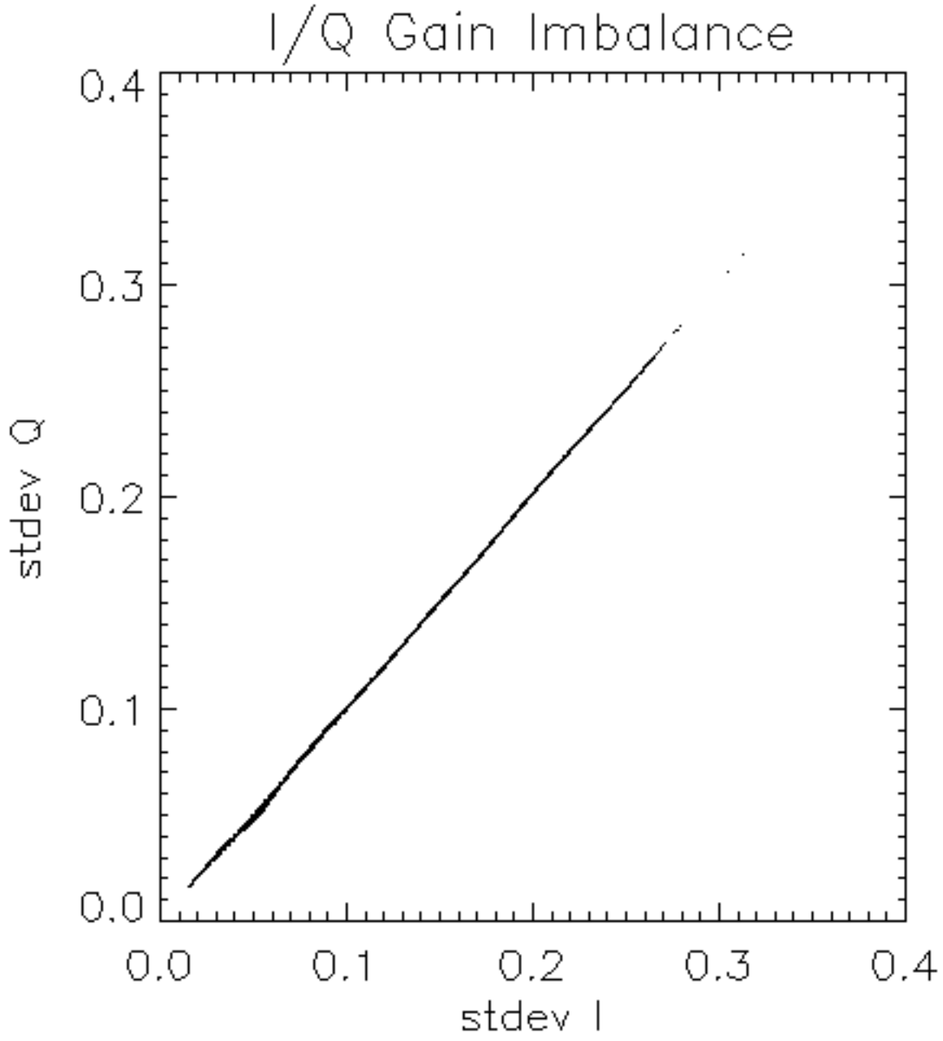
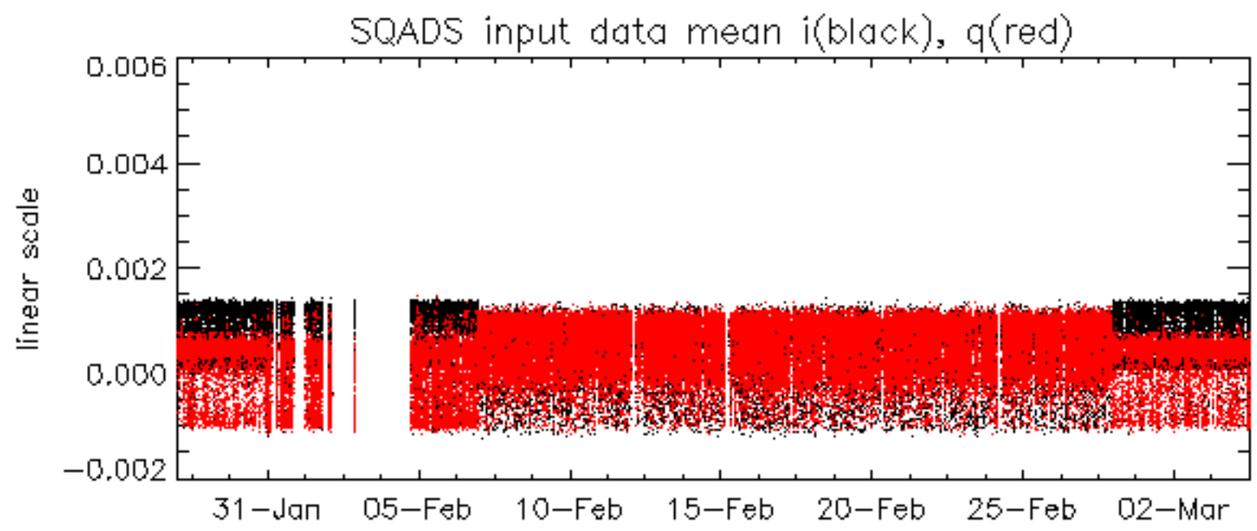
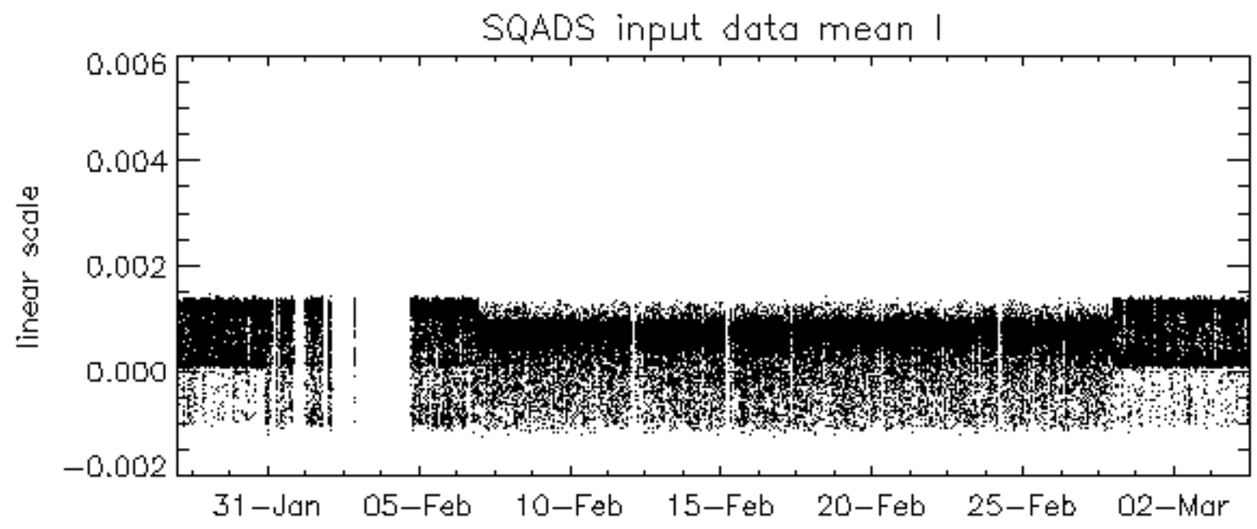
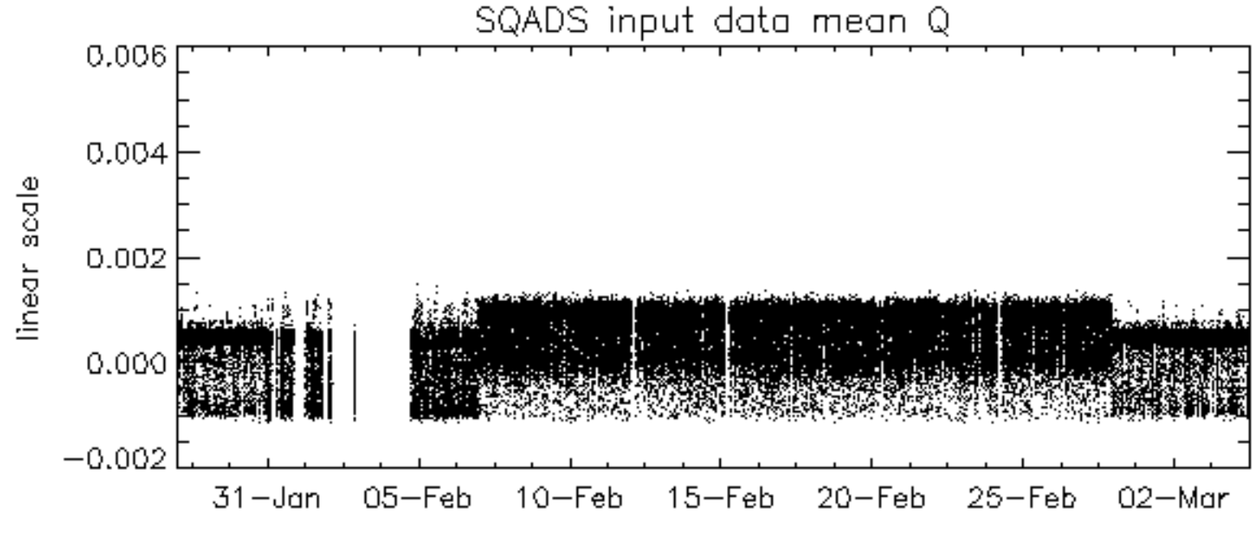

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

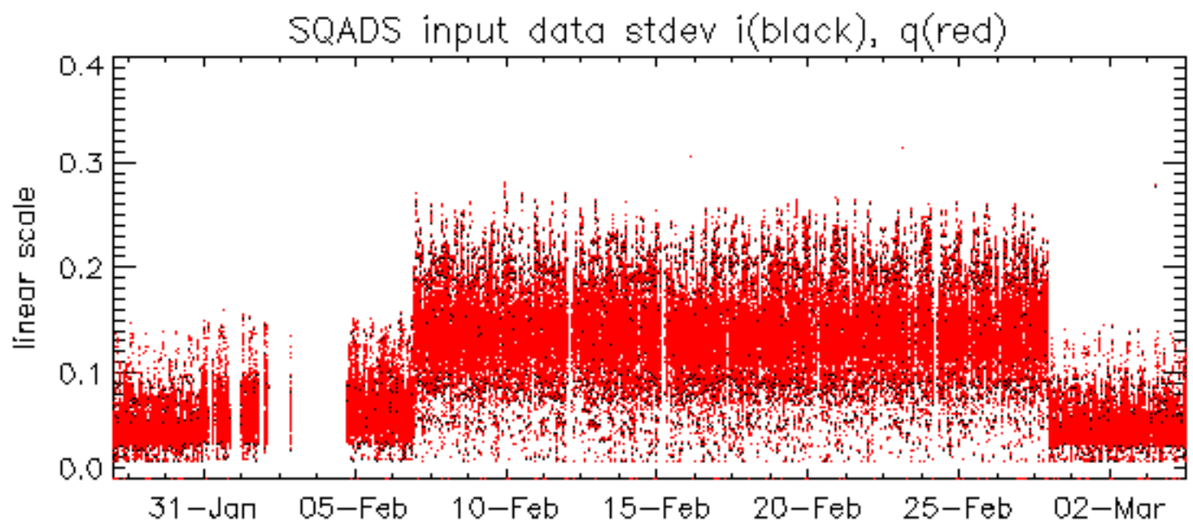

Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

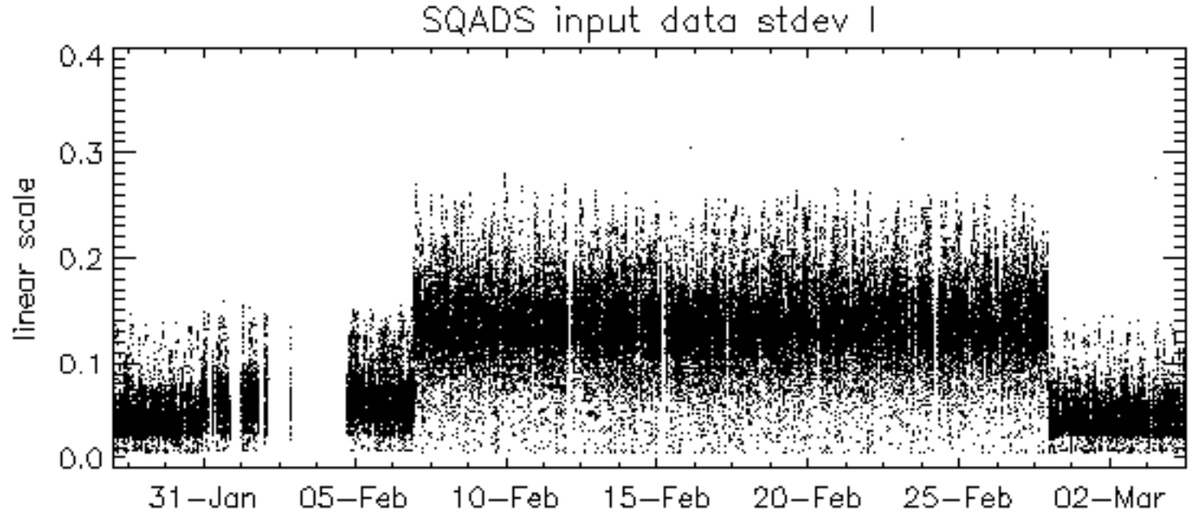

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

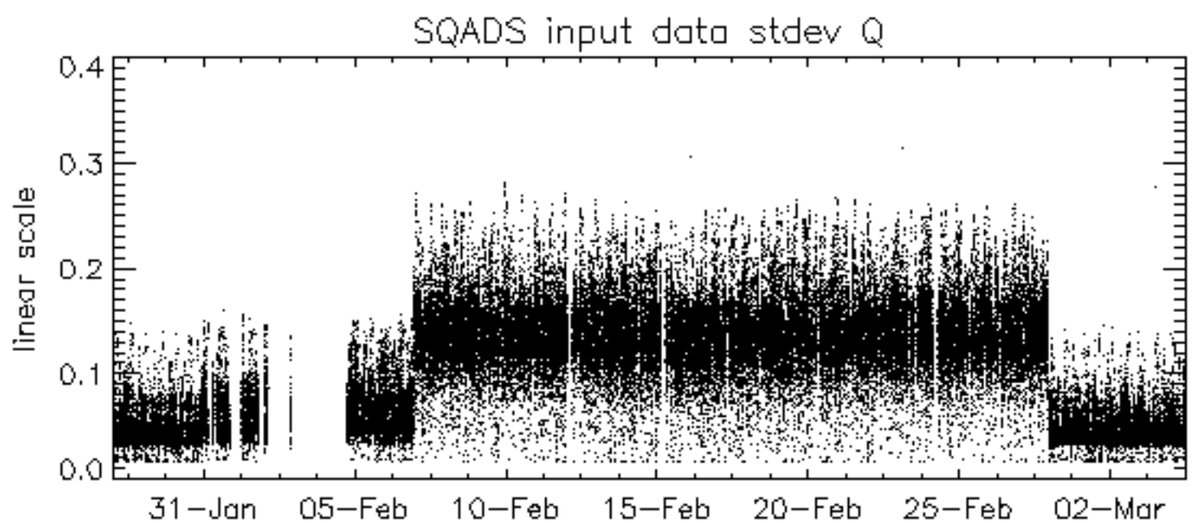

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar

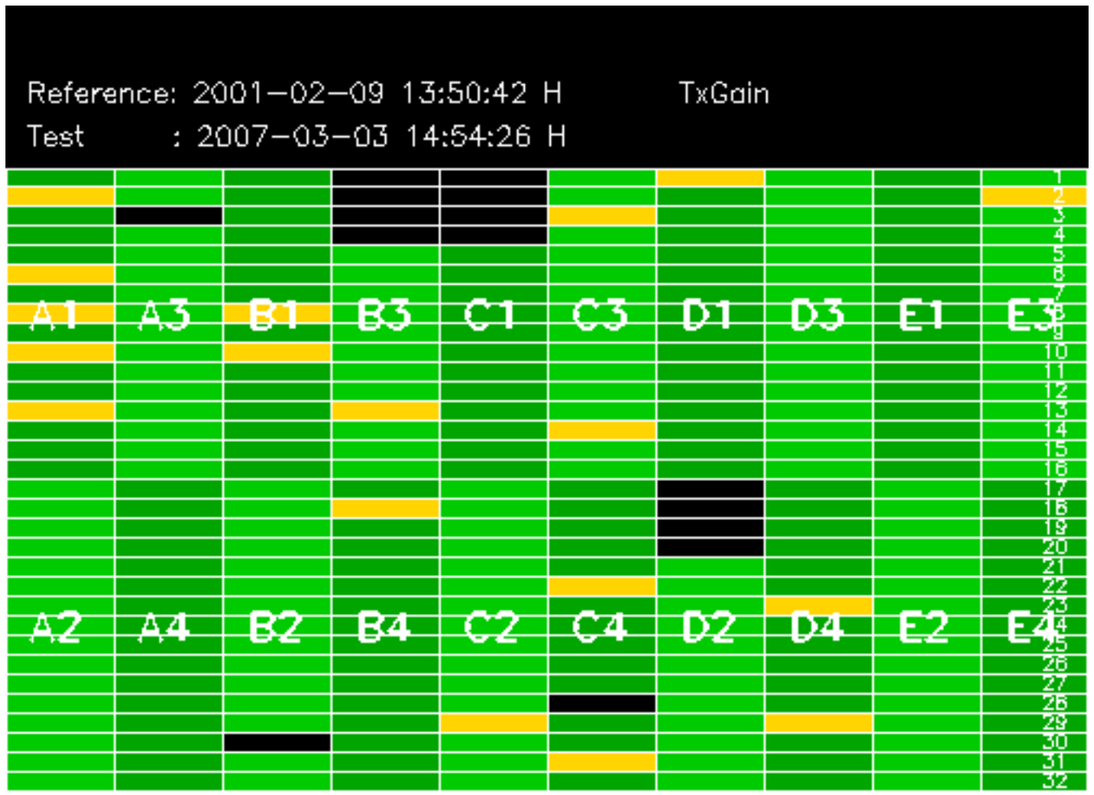

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar

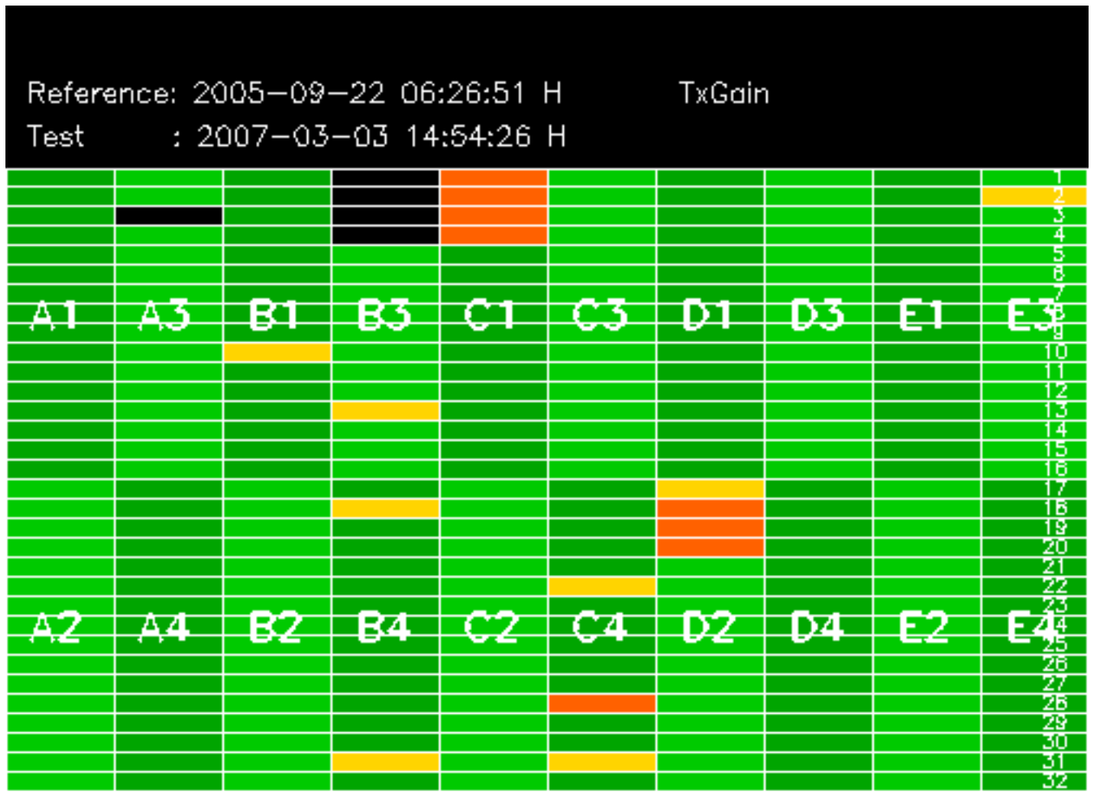

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-03 14:54:26 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 : 2007-03-03 14:54:26 H
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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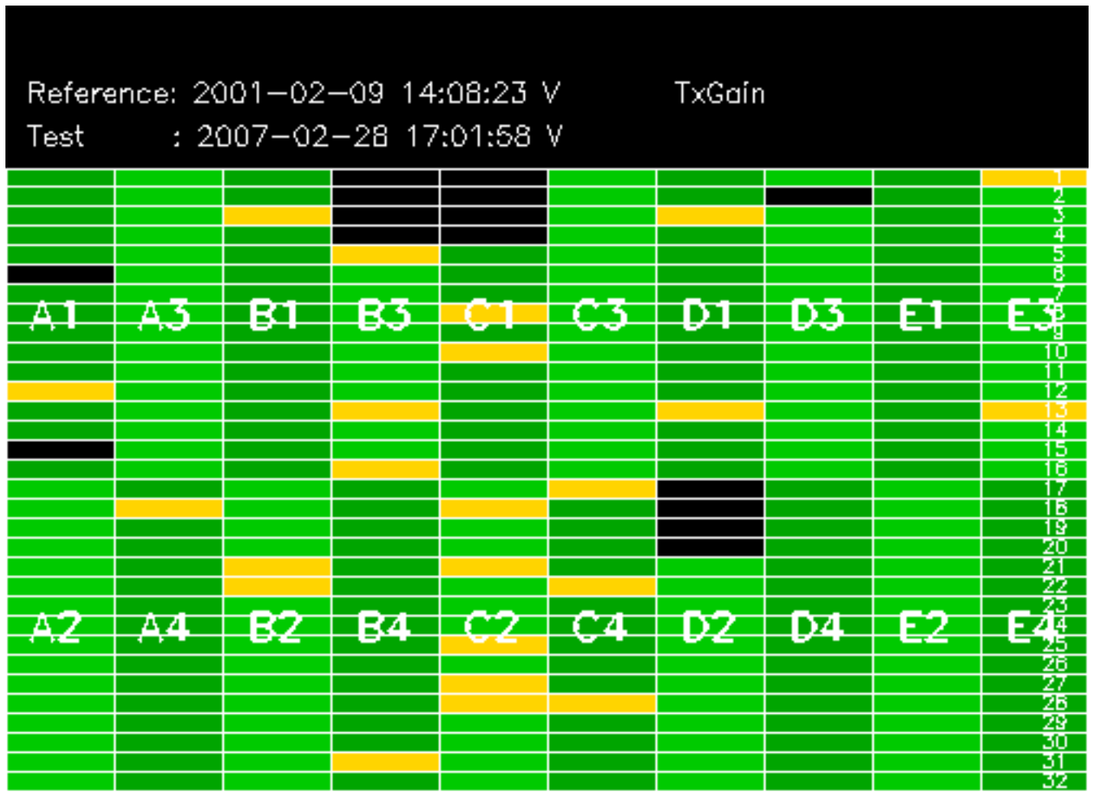
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-28 17:01:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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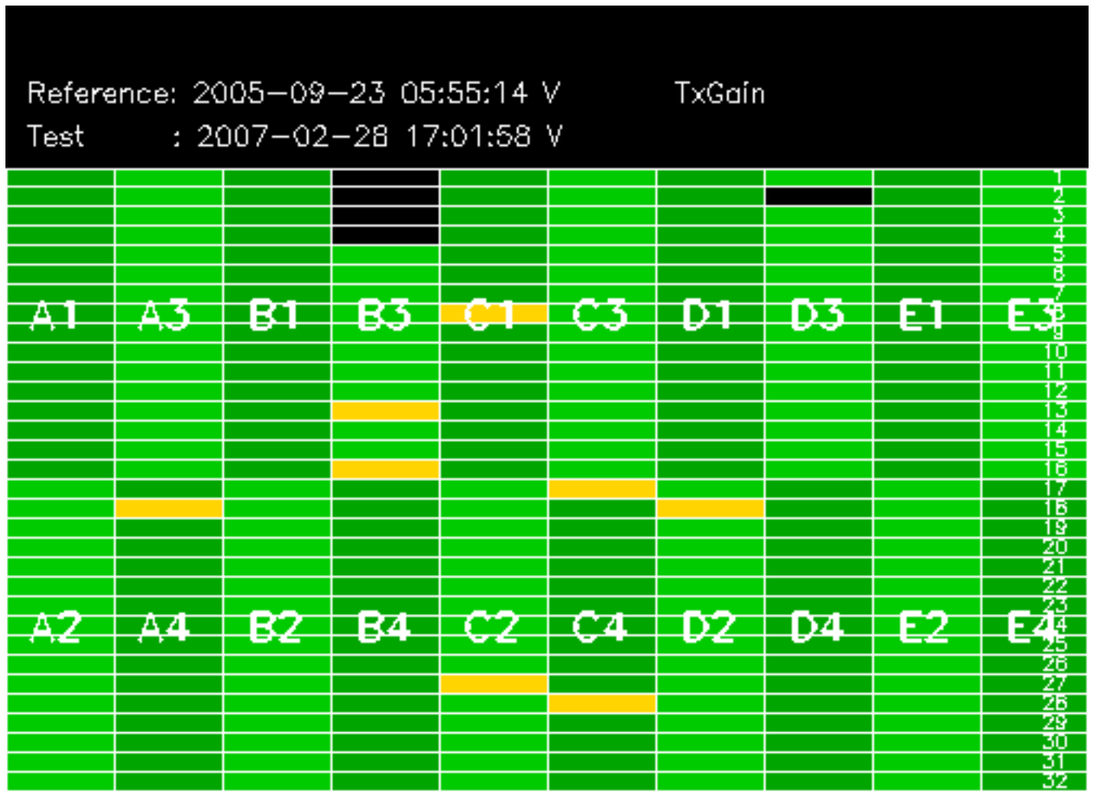
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-28 17:01:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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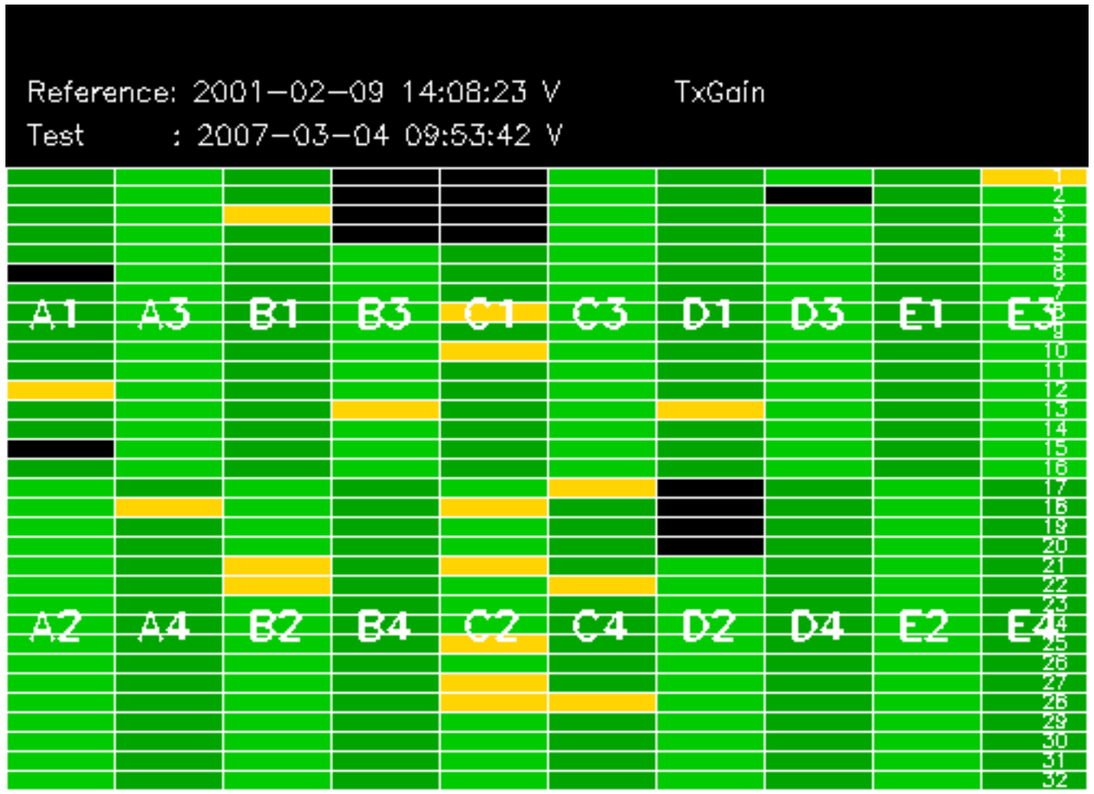
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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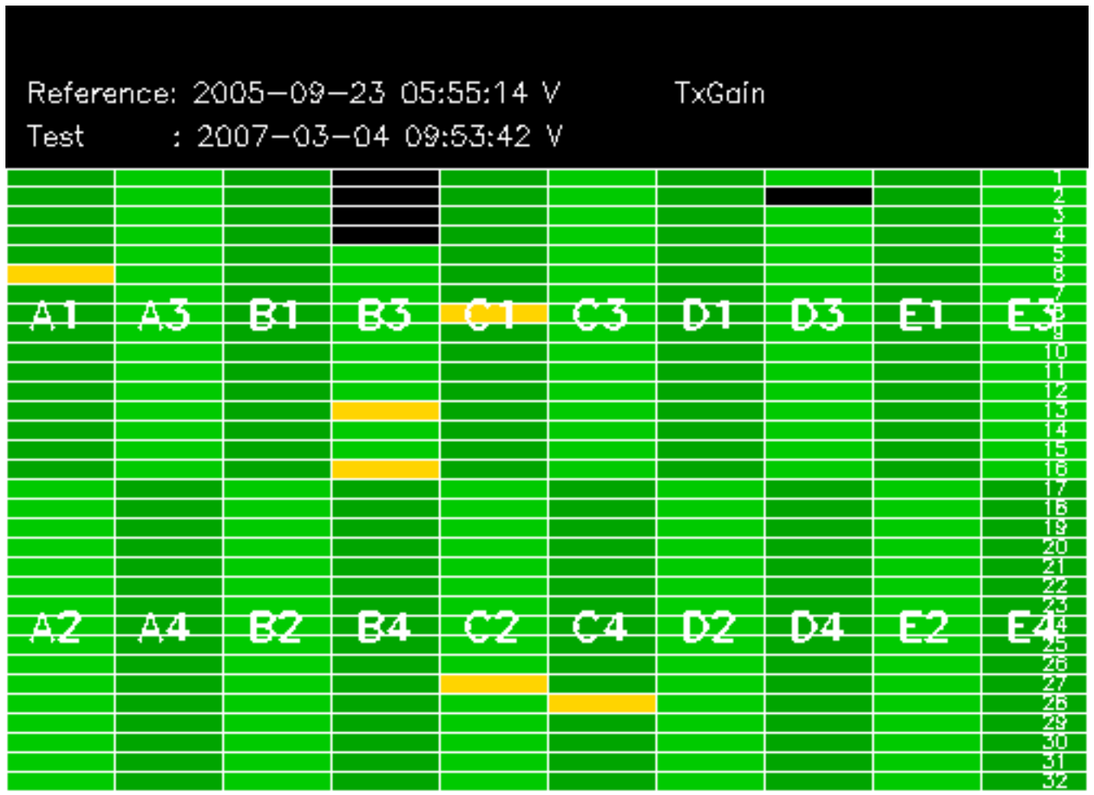
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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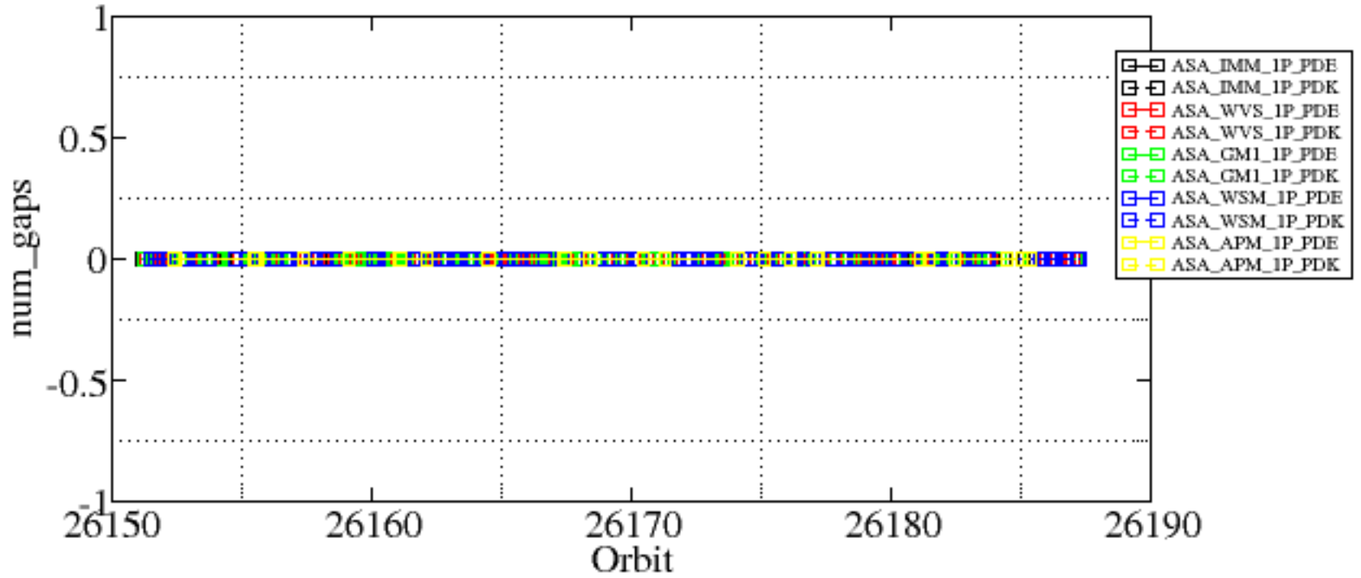
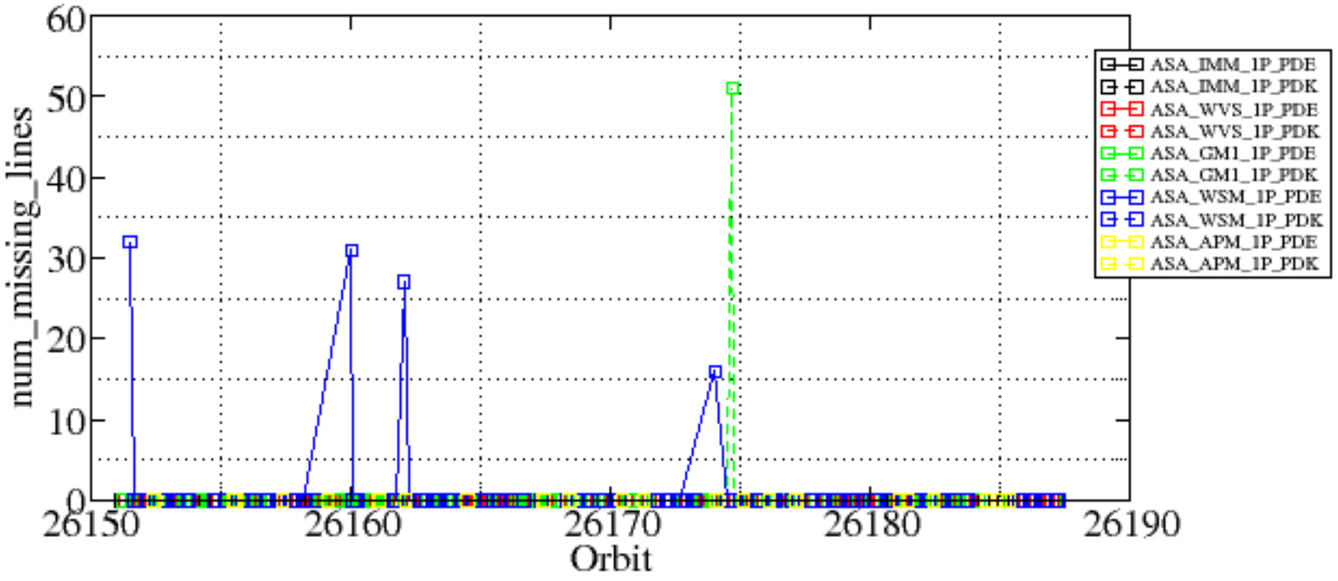
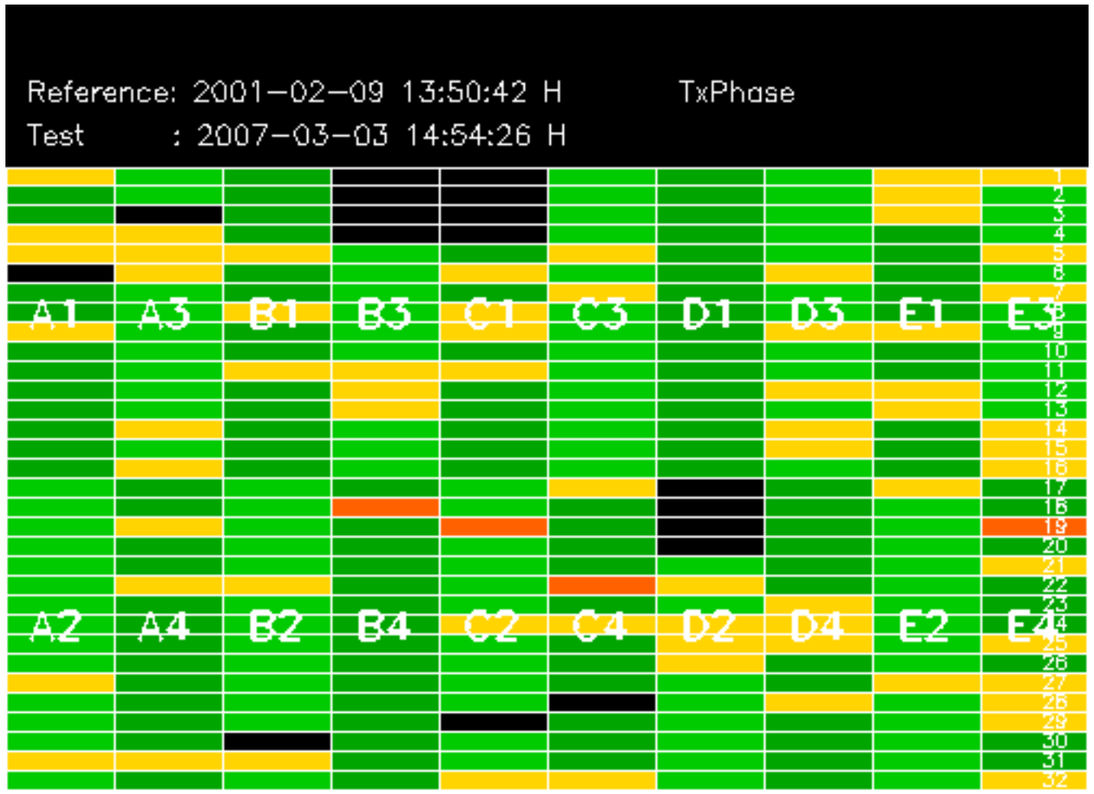
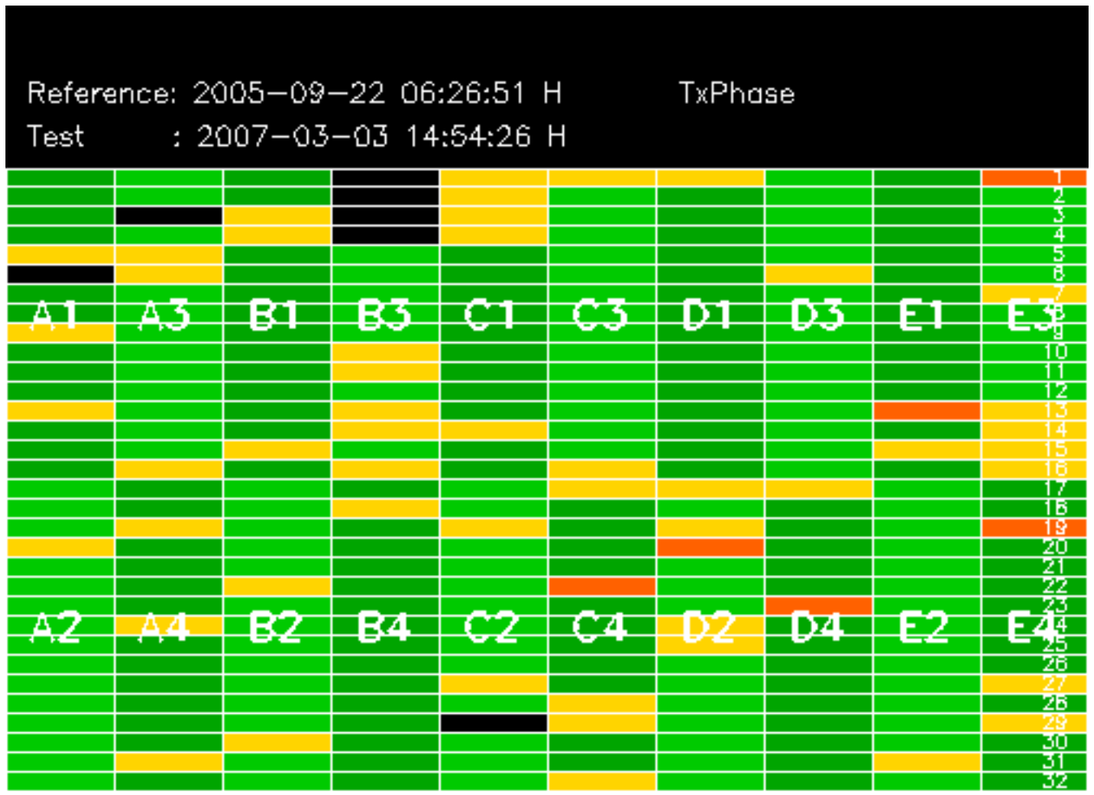
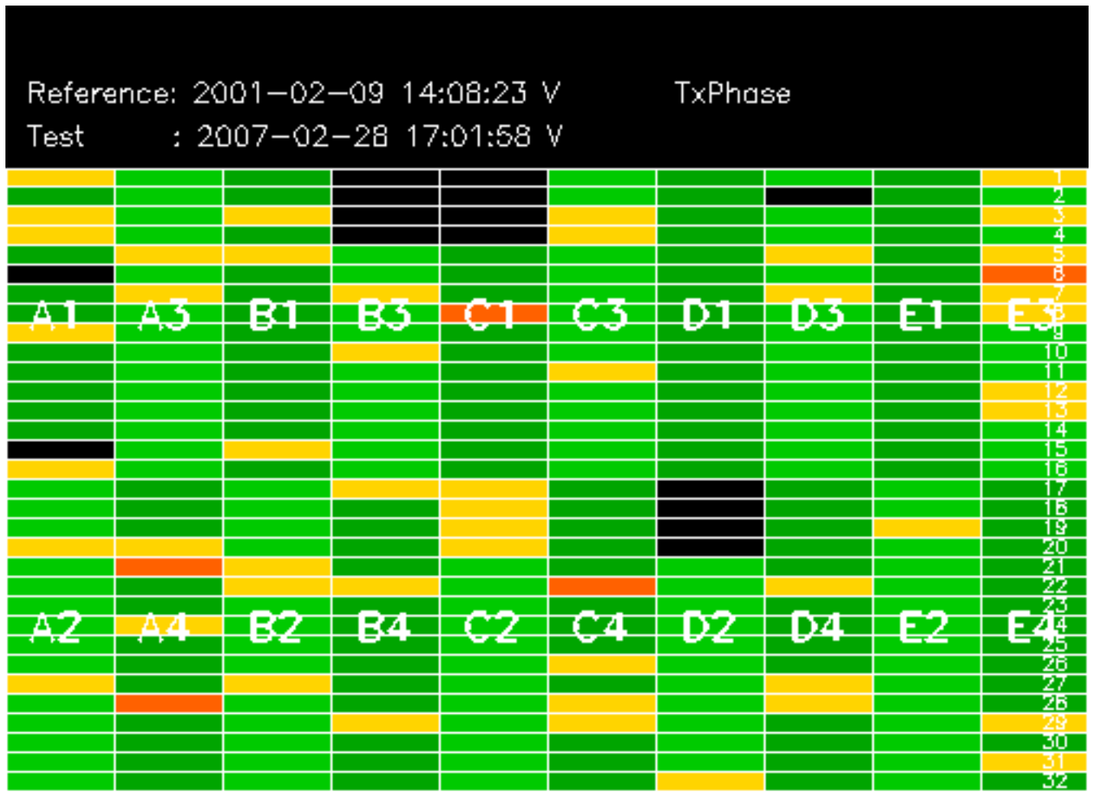
Summary of analysis for the last 3 days 2007030[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20070303_153003_000002712056_00068_26174_5060.N1 </td> <td>0 </td> <td>51 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070302_003405_000002632056_00045_26151_7324.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070302_145414_000000852056_00054_26160_8003.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070302_181712_000000852056_00056_26162_8077.N1 </td> <td>0 </td> <td>27 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070303_142340_000000852056_00068_26174_9241.N1 </td> <td>0 </td> <td>16 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
26150
26160
26170
26180
26190
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
26150
26160
26170
26180
26190
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 : 2007-03-03 14:54:26 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 : 2007-03-03 14:54:26 H
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 : 2007-02-28 17:01:58 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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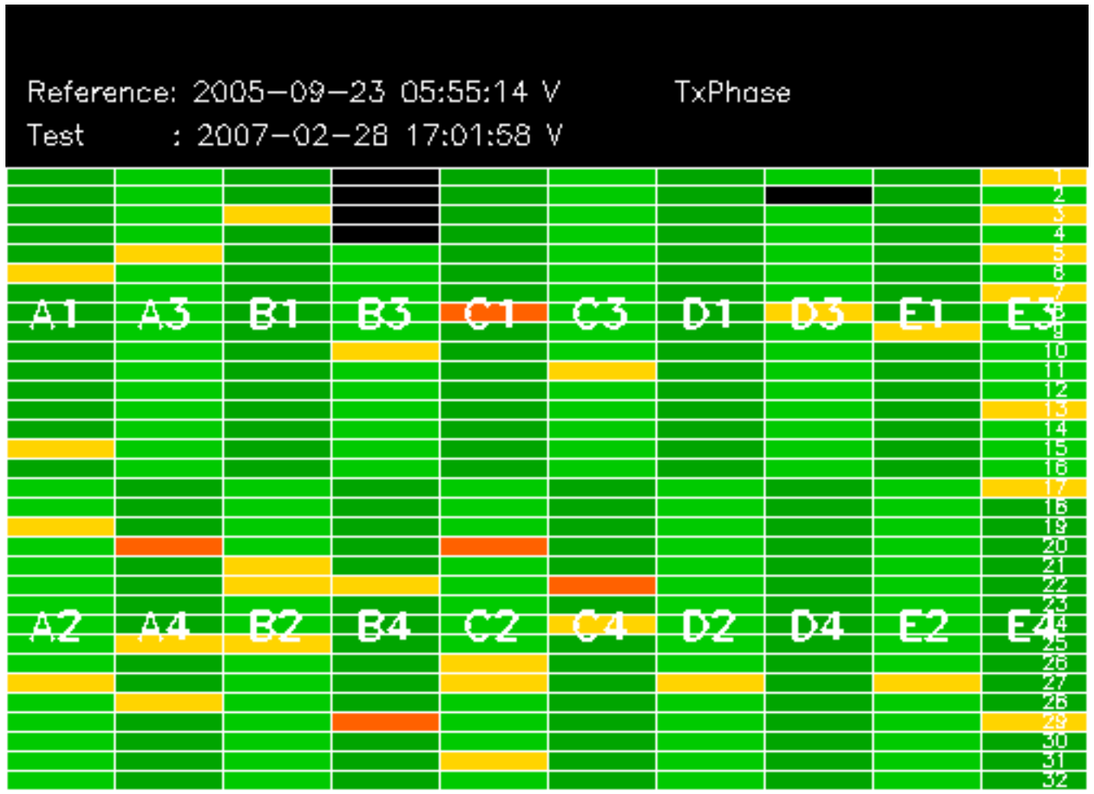
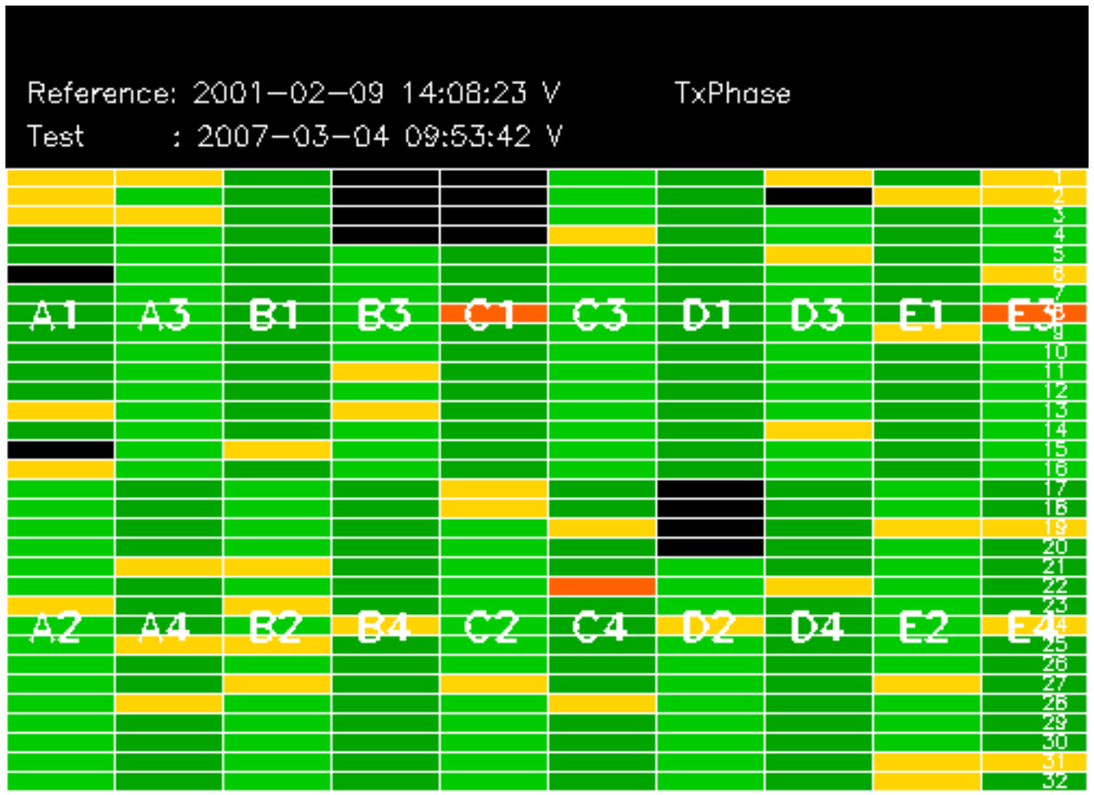
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-28 17:01:58 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 : 2007-03-04 09:53:42 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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25
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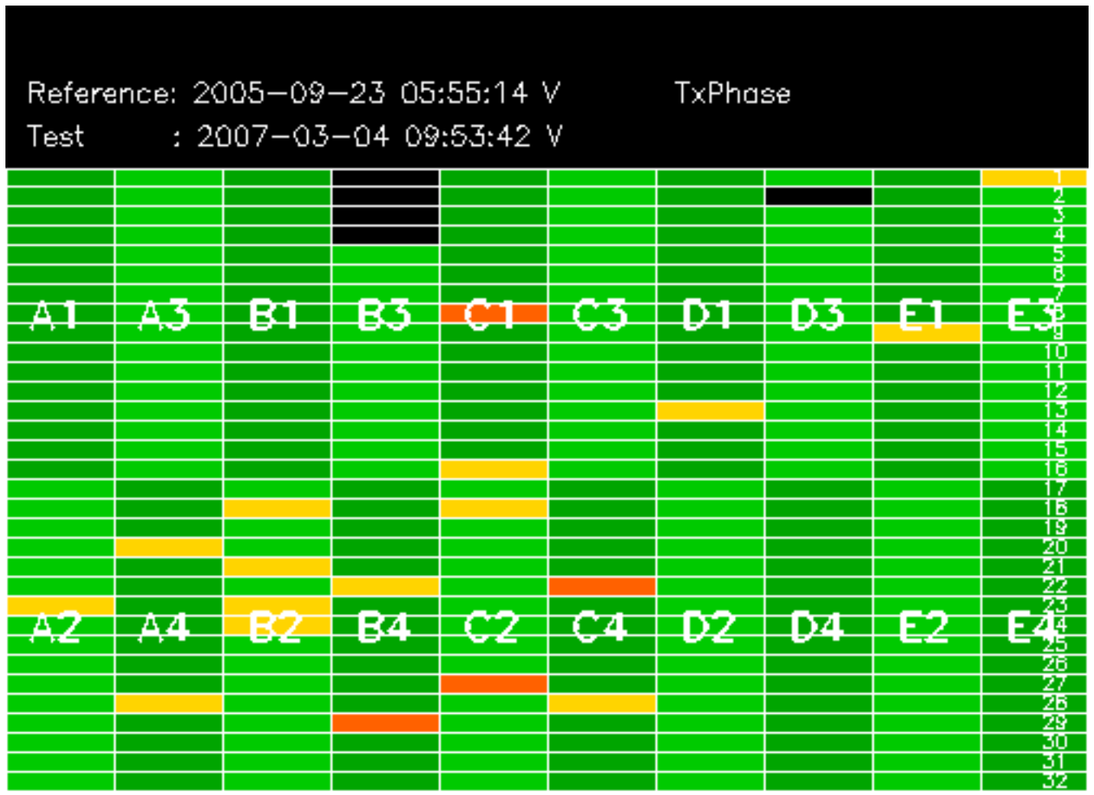
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 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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8
9
10
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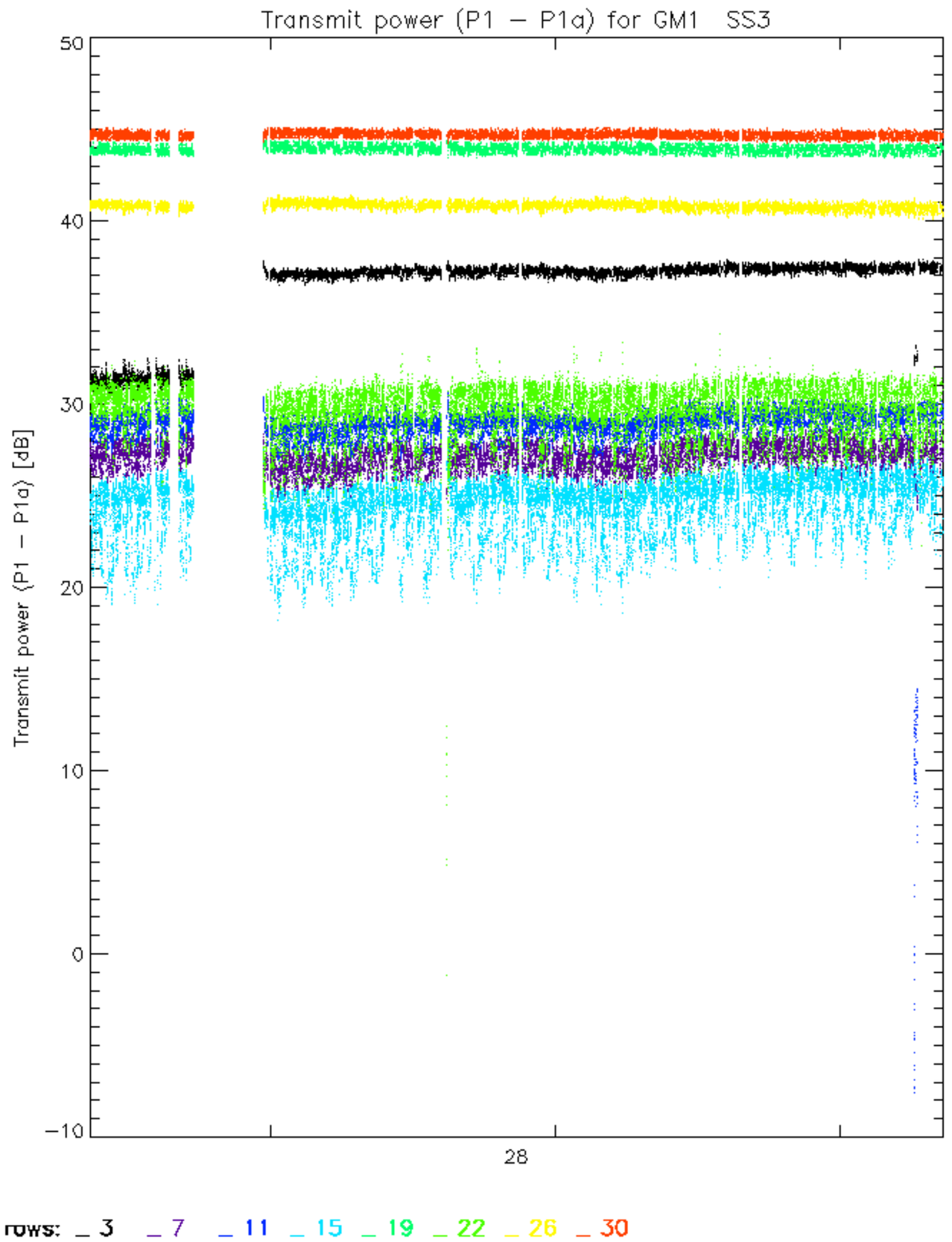
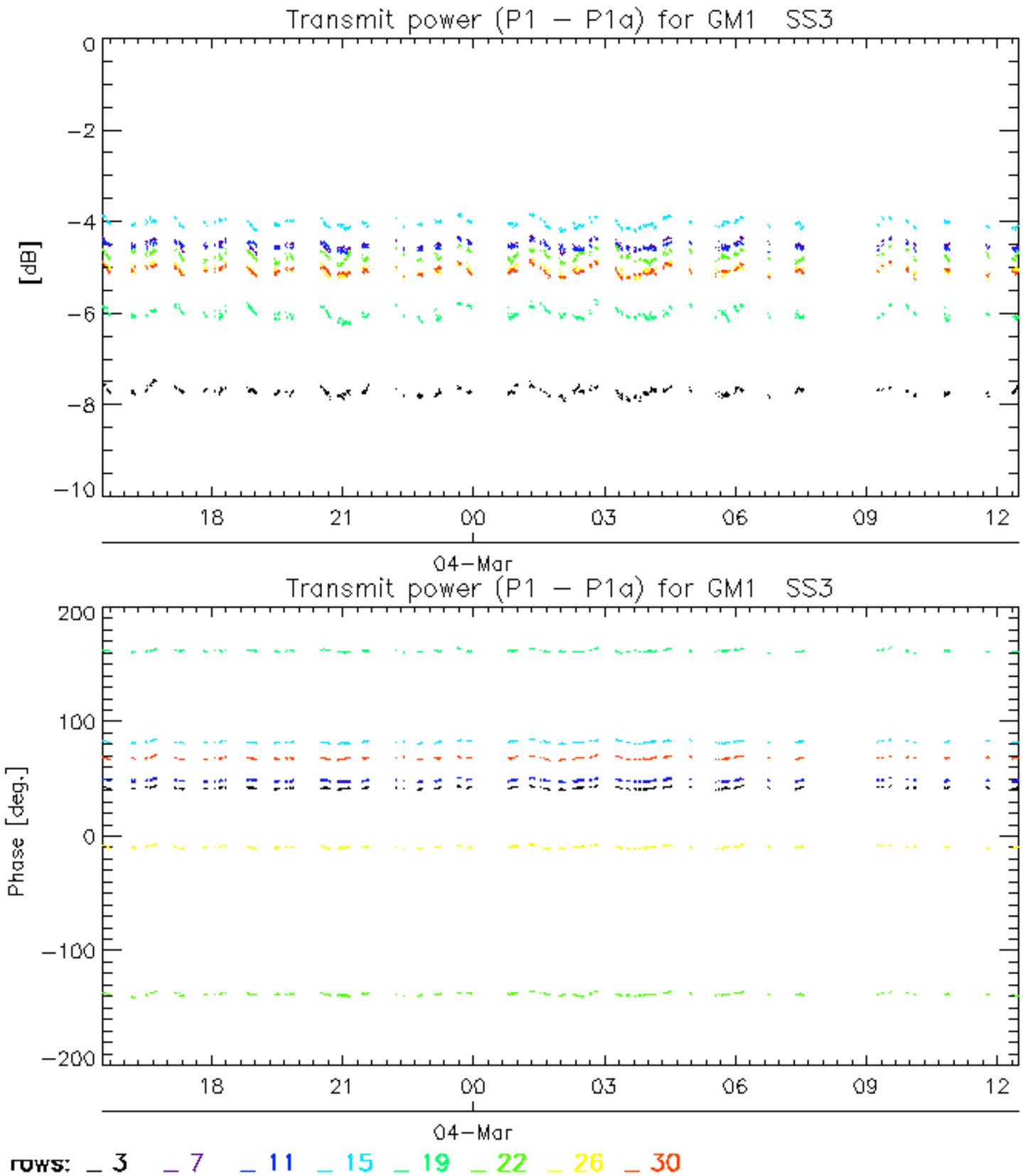
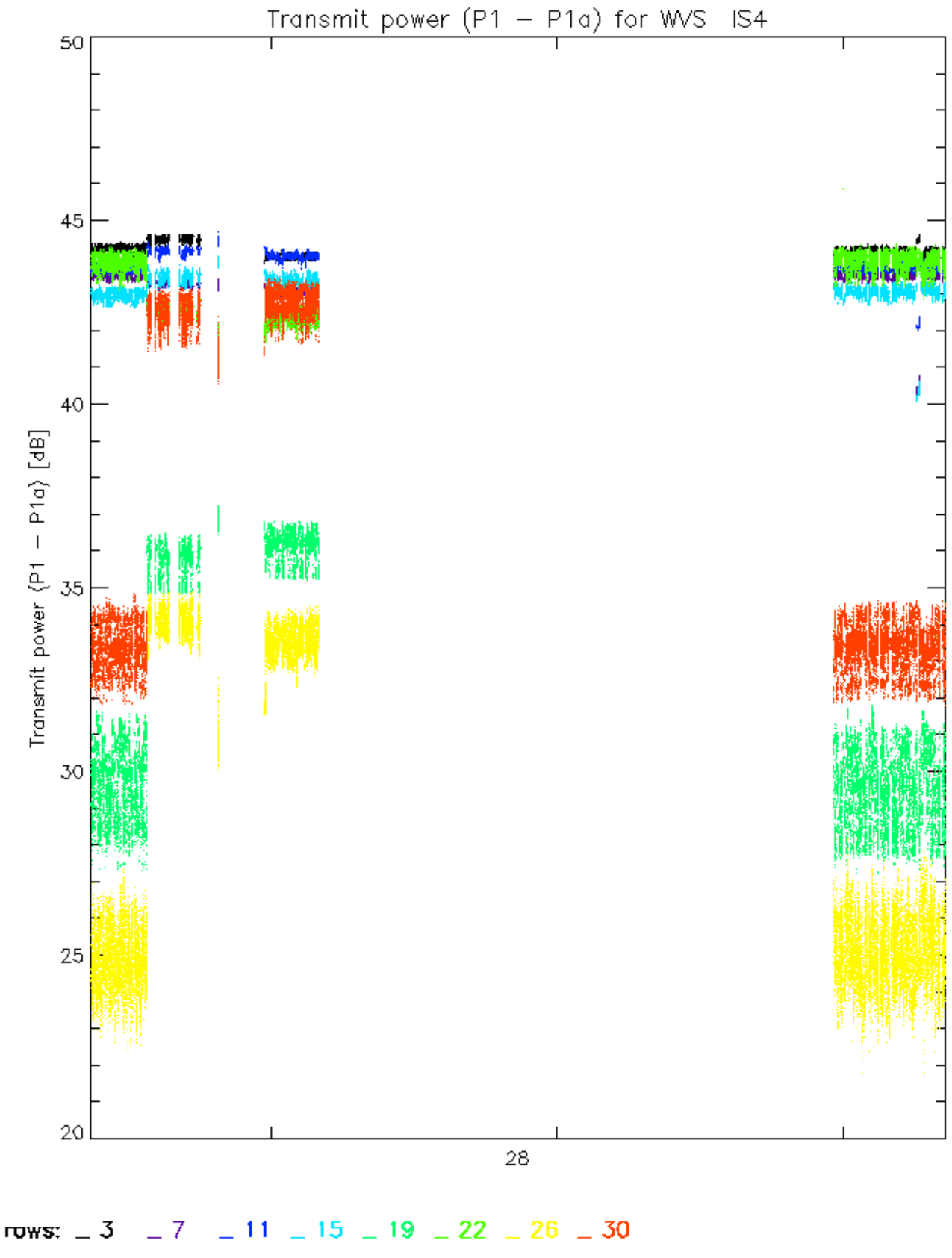
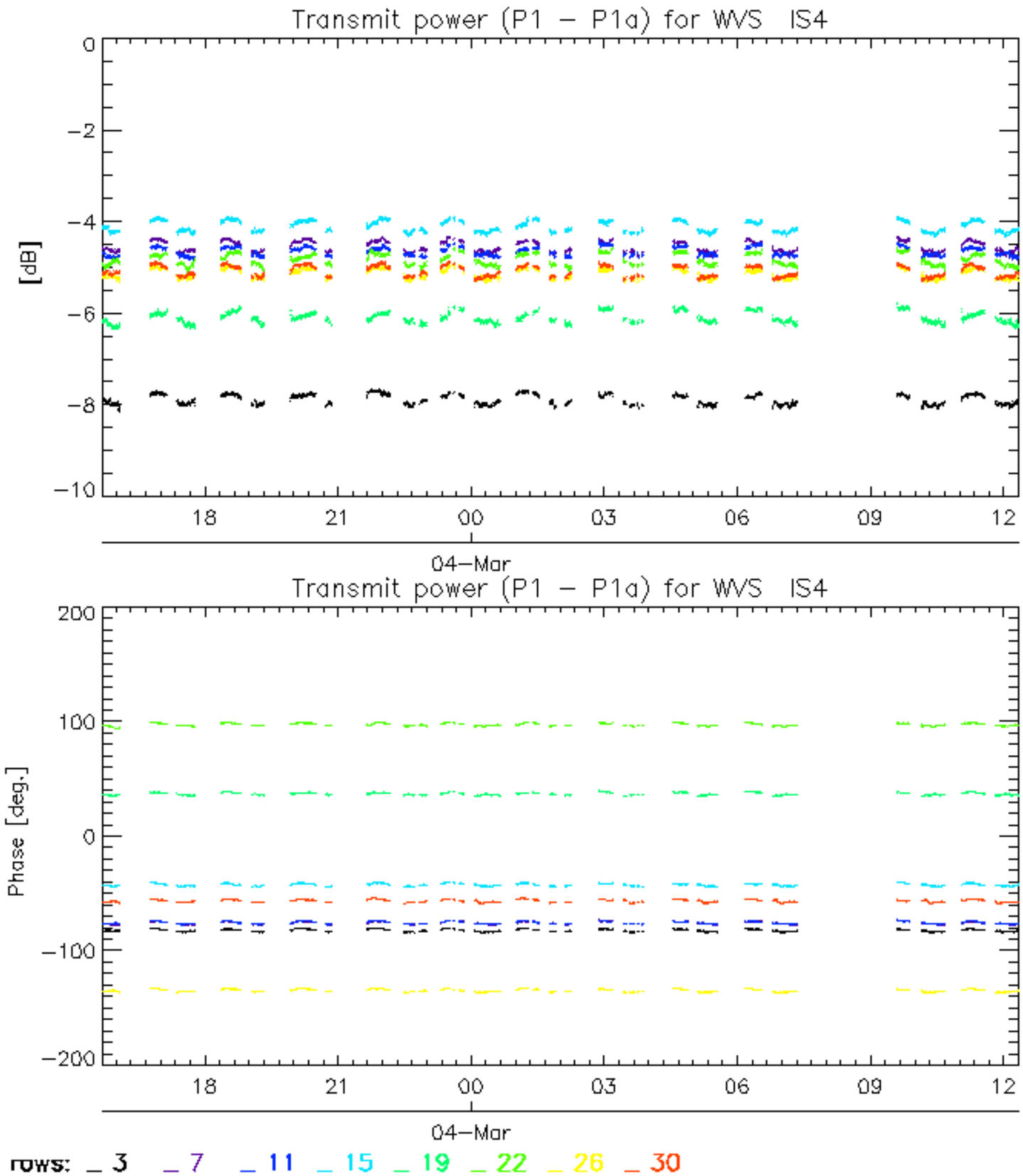

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
28
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS4
Transmit power ⟨P1 – P1a⟩ [dB]
50
45
40
35
30
25
20
28
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
12
04–Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
04–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.