PRELIMINARY REPORT OF 070310

last update on Sat Mar 10 17:56:25 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 2007-03-09 00:00:00 to 2007-03-10 17:56:25

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	38	75	13	5	30
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	38	75	13	5	30
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	38	75	13	5	30
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	75	13	5	30

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	50	64	42	7	83
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	50	64	42	7	83
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	50	64	42	7	83
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	50	64	42	7	83

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	20070310 064400
H	20070309 071537

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	-10.588842	0.280234	-0.509962
7	P1a	-10.174474	0.213527	0.145527
11	P1a	-10.846352	0.113061	0.152993
15	P1a	-12.035053	1.686007	1.117134
19	P1a	-14.817761	1.184901	-0.971940
22	P1a	-18.760902	8.032141	-2.261481
26	P1a	-15.615990	0.469253	0.272520
30	P1a	-20.823444	7.623321	2.334311

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.373873	0.086092	-0.224861
7	P1	-2.630020	0.052983	0.051311
11	P1	-3.358441	0.158426	0.337032
15	P1	-4.964422	1.522968	1.065082
19	P1	-3.363974	0.097595	-0.308238
22	P1	-5.447126	0.164706	0.322546
26	P1	-5.183818	0.783588	-0.826132
30	P1	-5.490549	0.067108	0.197128

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.091307	0.087512	0.037733
7	P2	-21.808275	0.125999	-0.170013
11	P2	-10.752408	0.132715	-0.266116
15	P2	-5.097049	0.078754	-0.080655
19	P2	-7.222006	0.077806	-0.034069
22	P2	-8.370042	0.078522	0.054975

26	P2	-24.122810	0.122936	-0.313114
30	P2	-21.654610	0.065351	0.063934

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.231121	0.007452	-0.032746
7	P3	-8.231121	0.007452	-0.032746
11	P3	-8.231121	0.007452	-0.032746
15	P3	-8.231121	0.007452	-0.032746
19	P3	-8.231121	0.007452	-0.032746
22	P3	-8.231121	0.007452	-0.032746
26	P3	-8.231121	0.007452	-0.032746
30	P3	-8.231121	0.007452	-0.032746

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	-11.076468	0.050180	-0.023572
7	P1a	-10.063191	0.132630	-0.045856
11	P1a	-10.654946	0.064279	-0.059630
15	P1a	-10.912536	0.135286	-0.171423
19	P1a	-15.711937	0.069332	0.088272
22	P1a	-20.853758	1.169112	-0.159381
26	P1a	-15.321848	0.269788	0.231841
30	P1a	-18.385685	0.342900	-0.127539

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.385042	0.039248	-0.064813
7	P1	-2.432404	0.021145	0.008096

11	P1	-2.917438	0.019049	-0.032659
15	P1	-3.835065	0.039378	-0.059046
19	P1	-3.553152	0.011607	-0.007324
22	P1	-5.039510	0.023456	-0.041233
26	P1	-5.970041	0.026333	0.048010
30	P1	-5.279245	0.021710	0.012277

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.096968	0.032659	0.004696
7	P2	-21.958950	0.055695	0.050140
11	P2	-10.648970	0.030941	0.018179
15	P2	-4.818674	0.027633	-0.012173
19	P2	-6.809649	0.029784	0.000813
22	P2	-8.098598	0.034128	0.065365
26	P2	-24.266613	0.036313	-0.098204
30	P2	-21.748455	0.037860	0.054800

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.048238	0.003664	-0.035153
7	P3	-8.048236	0.003670	-0.034838
11	P3	-8.048365	0.003667	-0.035252
15	P3	-8.048253	0.003681	-0.035469
19	P3	-8.048306	0.003667	-0.035262
22	P3	-8.048345	0.003666	-0.035246
26	P3	-8.048136	0.003667	-0.035237
30	P3	-8.048309	0.003679	-0.035074

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	0.000628738
	stdev	2.50415e-07
MEAN Q	mean	0.000371744
	stdev	2.66555e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.108717
	stdev	0.00245510
STDEV Q	mean	0.108737
	stdev	0.00251113

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007030[890]
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_1PNPDE20070308_014959_000000802056_00132_26238_4901.N1	1	0
ASA_IMM_1PNPDE20070309_042629_000000782056_00147_26253_6465.N1	1	0

ASA_GM1_1PNPDK20070309_194700_000000962056_00157_26263_1858.N1	0	6
ASA_WSM_1PNPDE20070309_015045_000000852056_00146_26252_6150.N1	0	52
ASA_WSM_1PNPDE20070309_151944_000000672056_00154_26260_6845.N1	0	67
ASA_WSM_1PNPDE20070309_151944_000000802056_00154_26260_6879.N1	0	67
ASA_APM_1PNPDE20070308_204806_000000422056_00143_26249_5615.N1	15	257
ASA_APM_1PNPDE20070309_011941_000000422056_00146_26252_6027.N1	14	0
ASA_APM_1PNPDK20070309_095951_000000542056_00151_26257_1118.N1	0	4

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

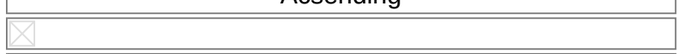
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

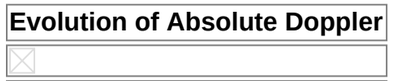
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

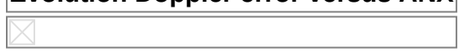
Acsending

Descending

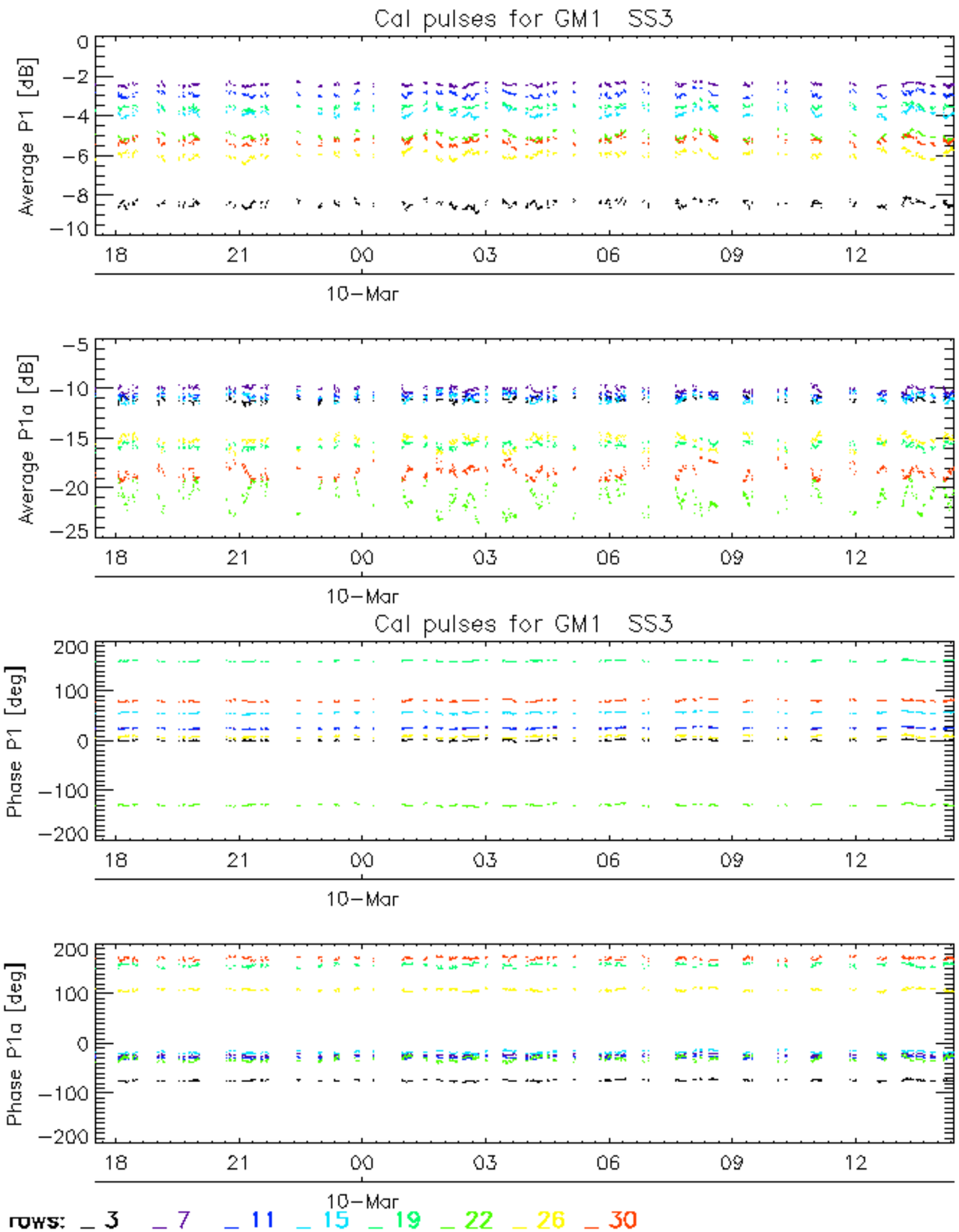
7.5 - Absolute Doppler for GM1

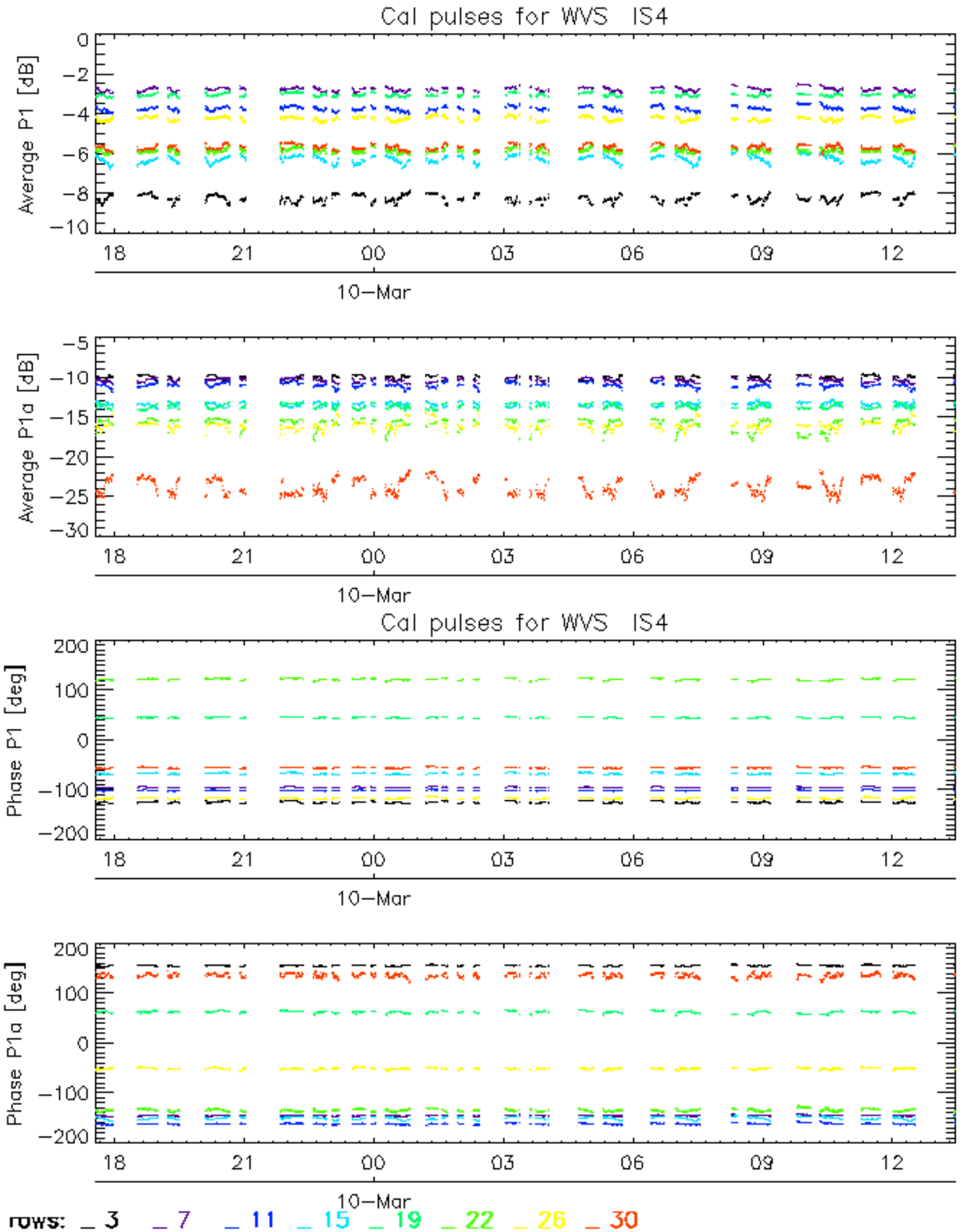
Evolution of Absolute Doppler

Acsending

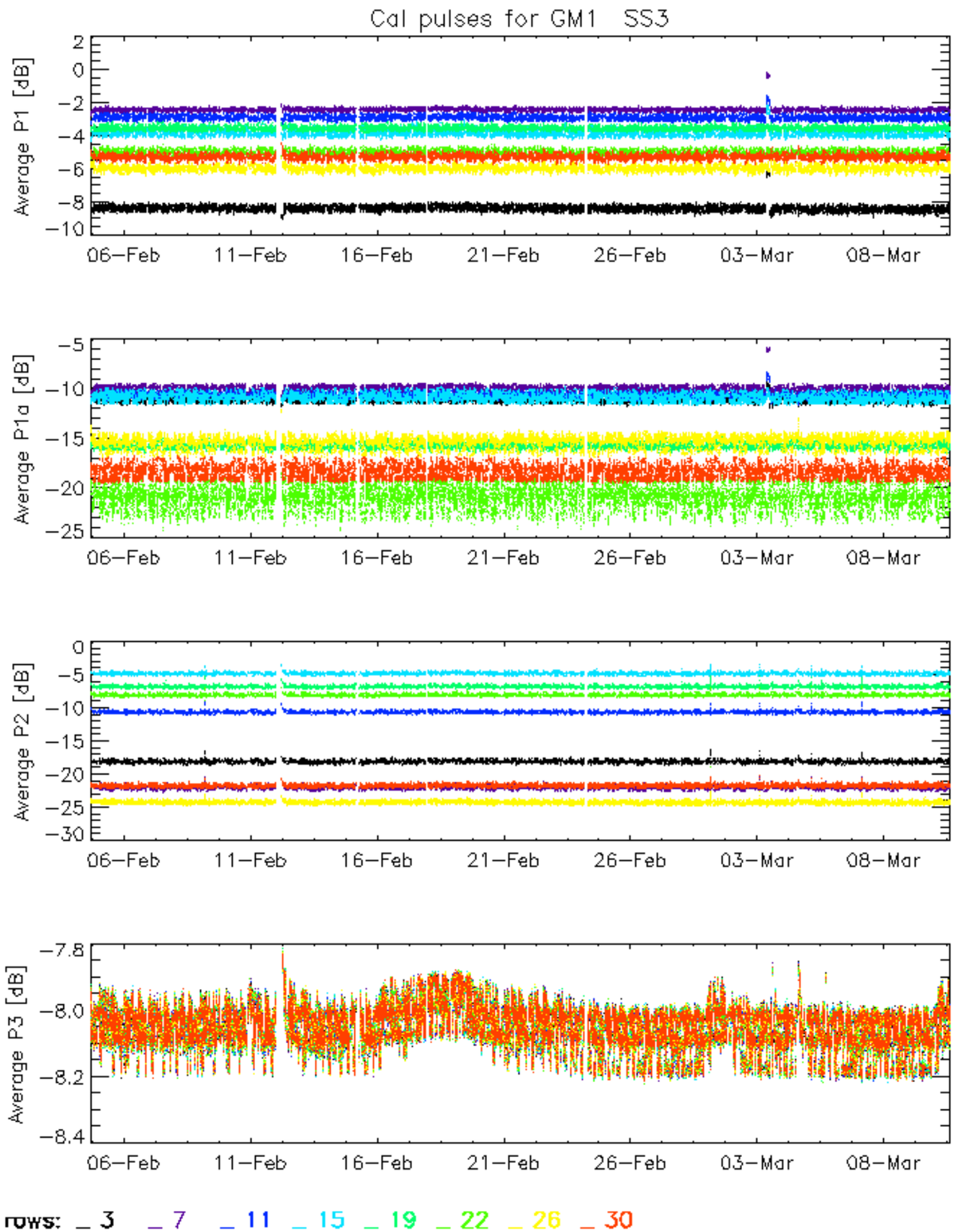
Descending

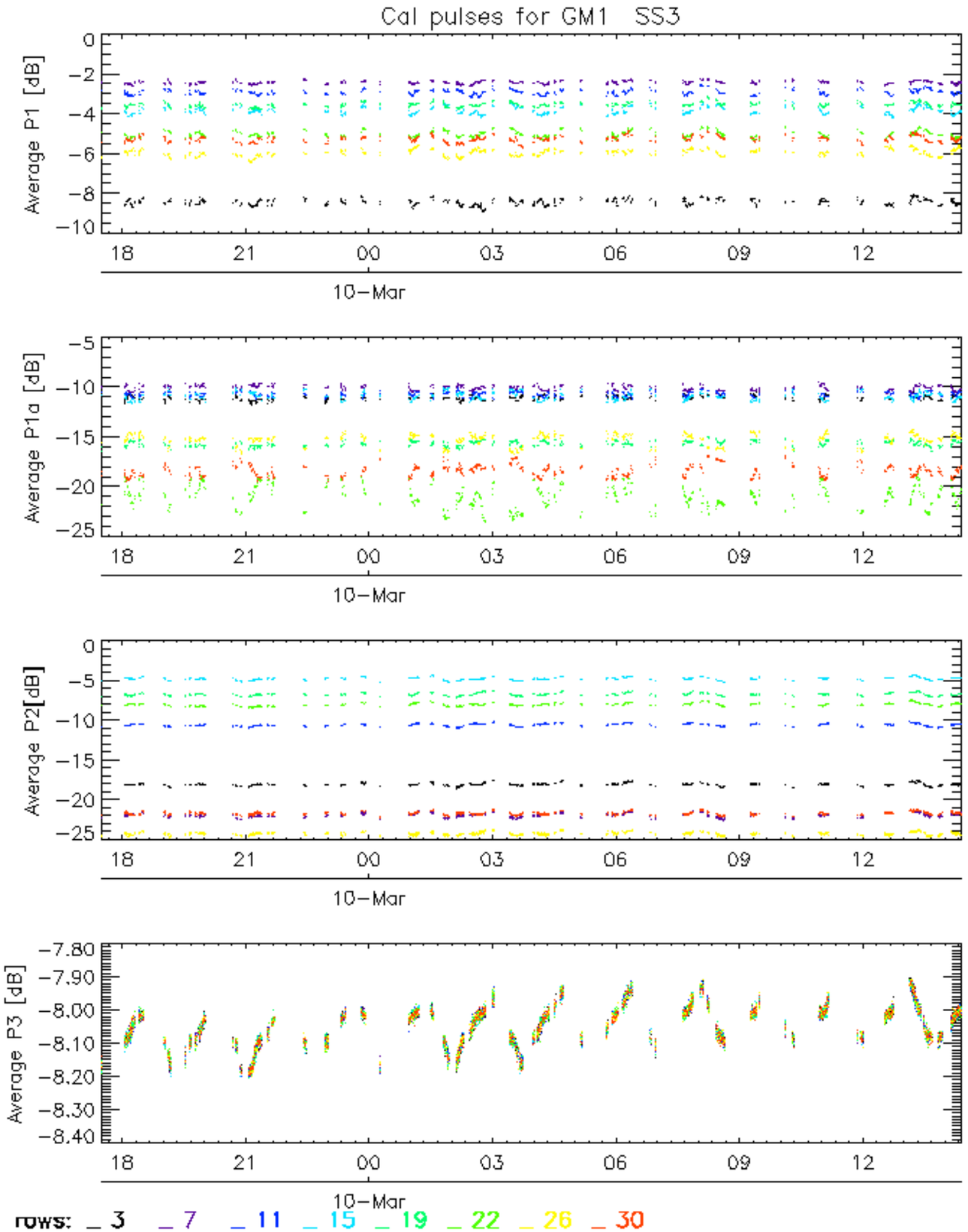
7.6 - Doppler evolution versus ANX for GM1

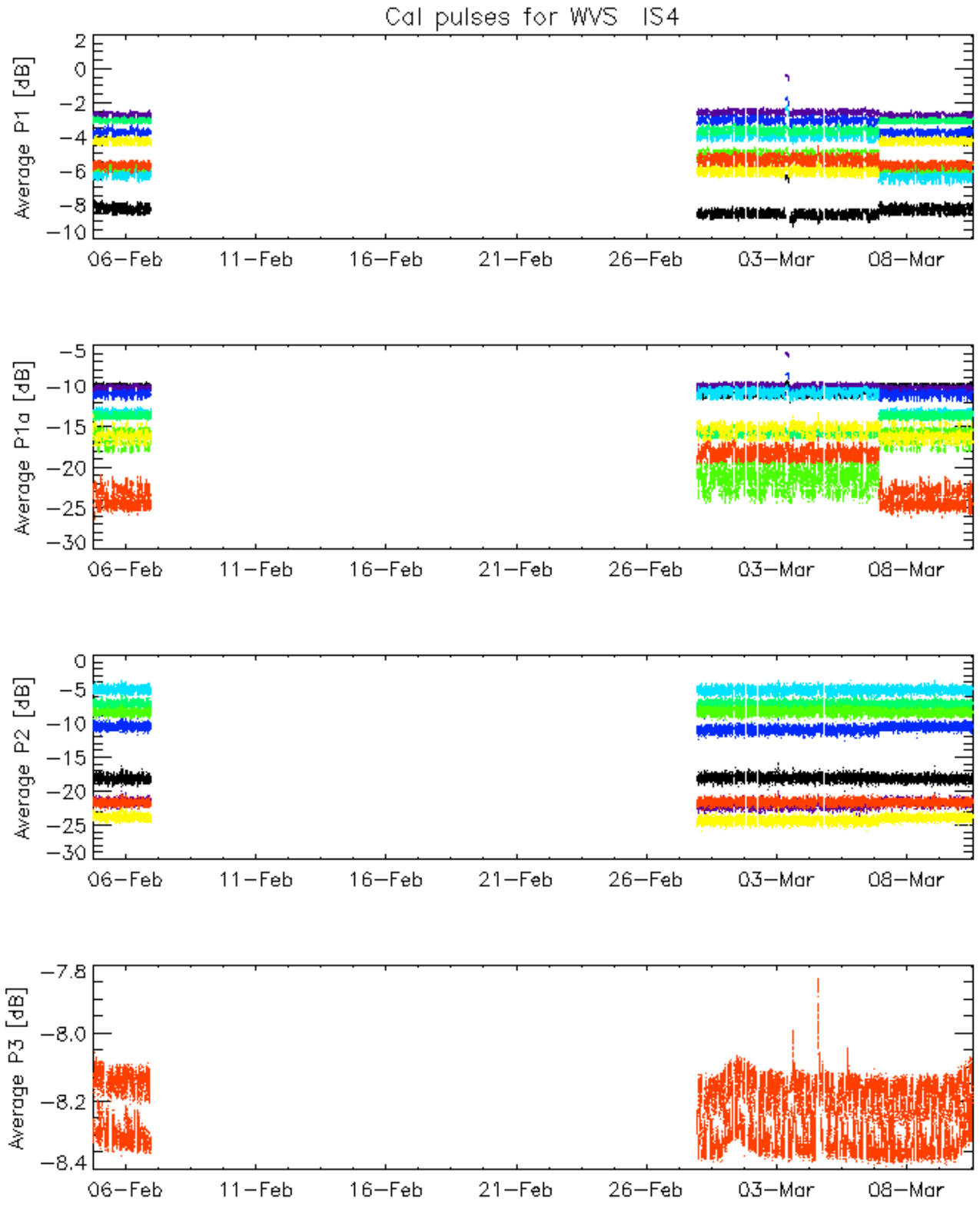
Evolution Doppler error versus ANX


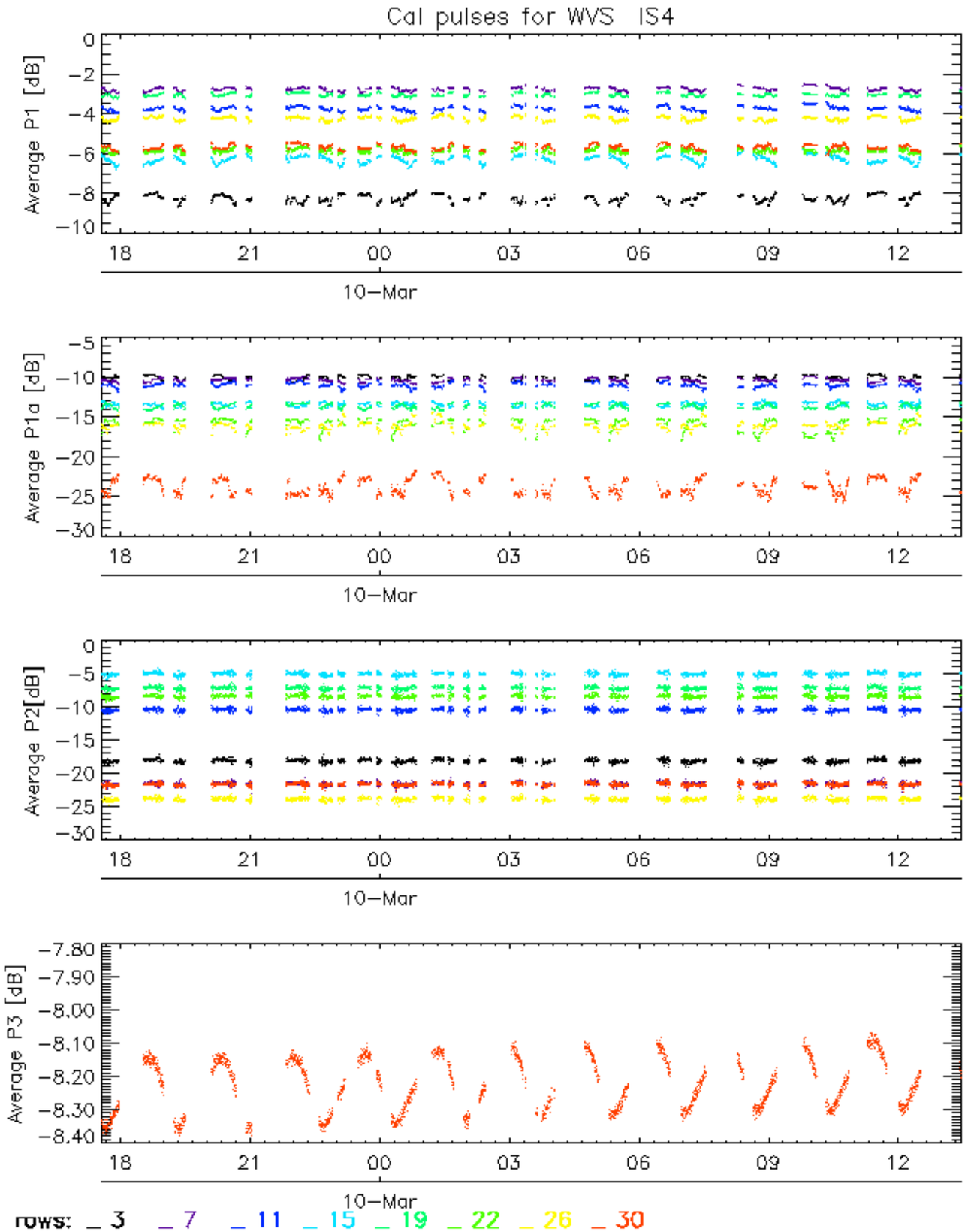

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
10−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
10−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
10−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
10−Mar
rows: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

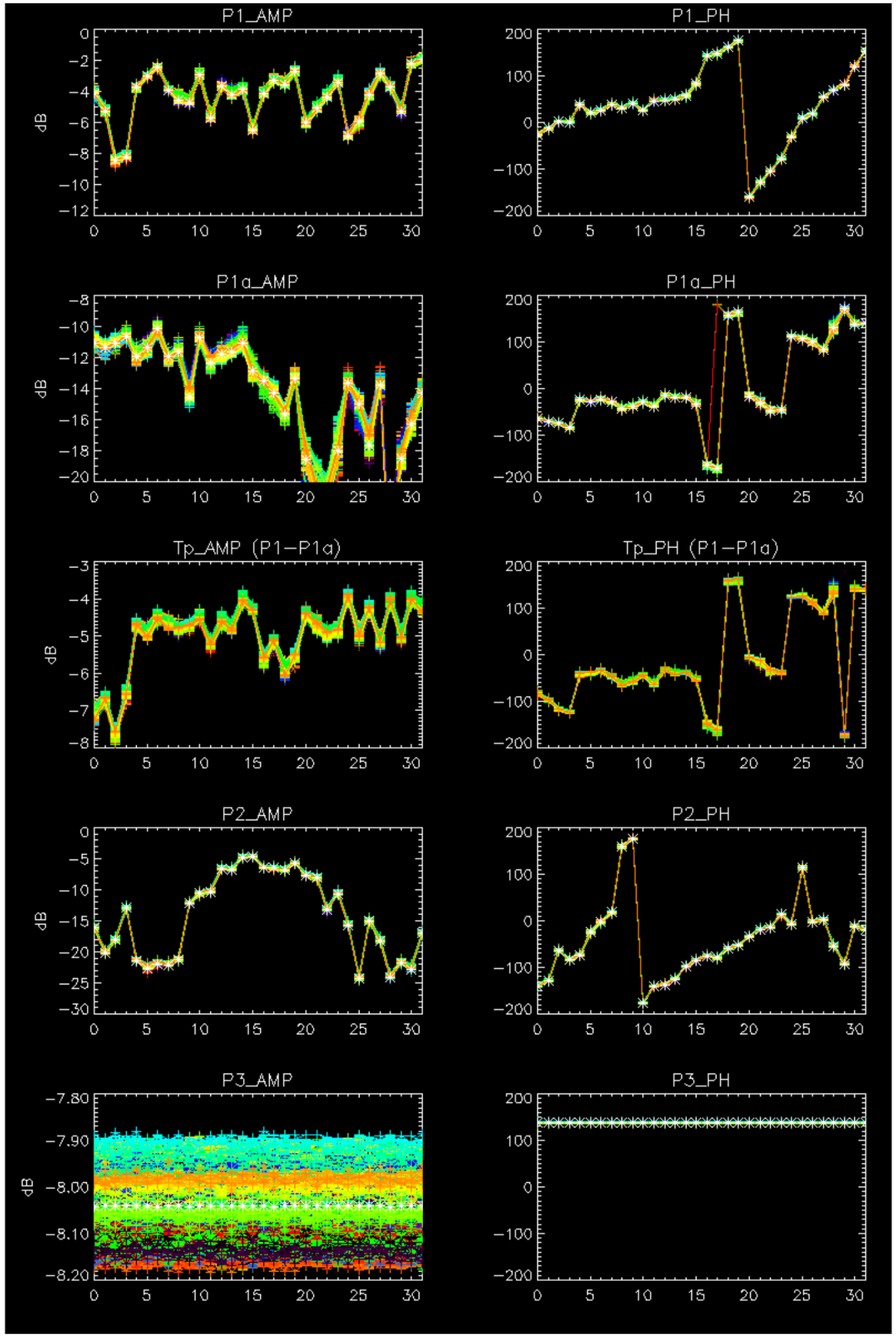

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

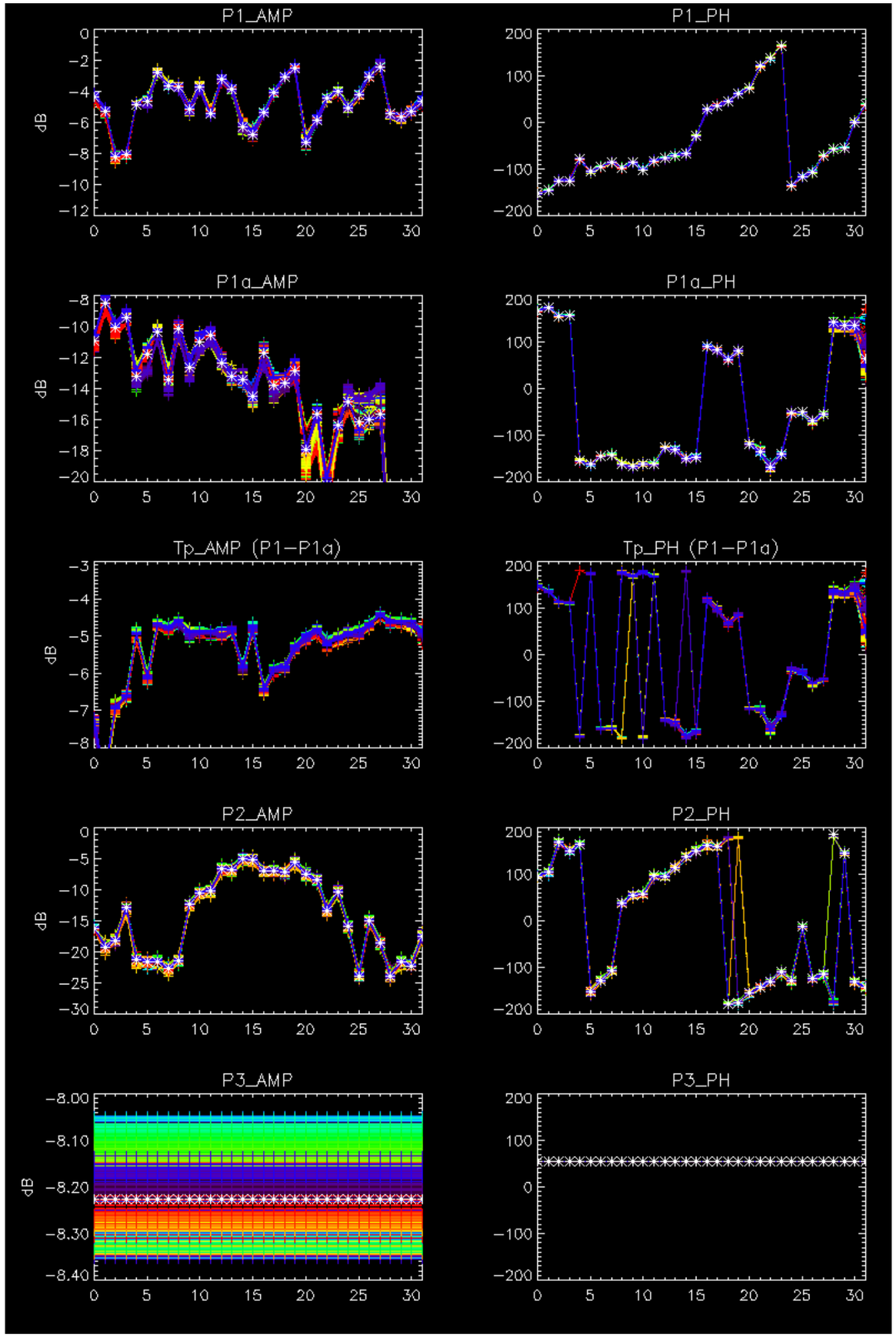

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
10−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
10−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
10−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
10−Mar
rows: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


Cal pulses for WVS IS4
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−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
10−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
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

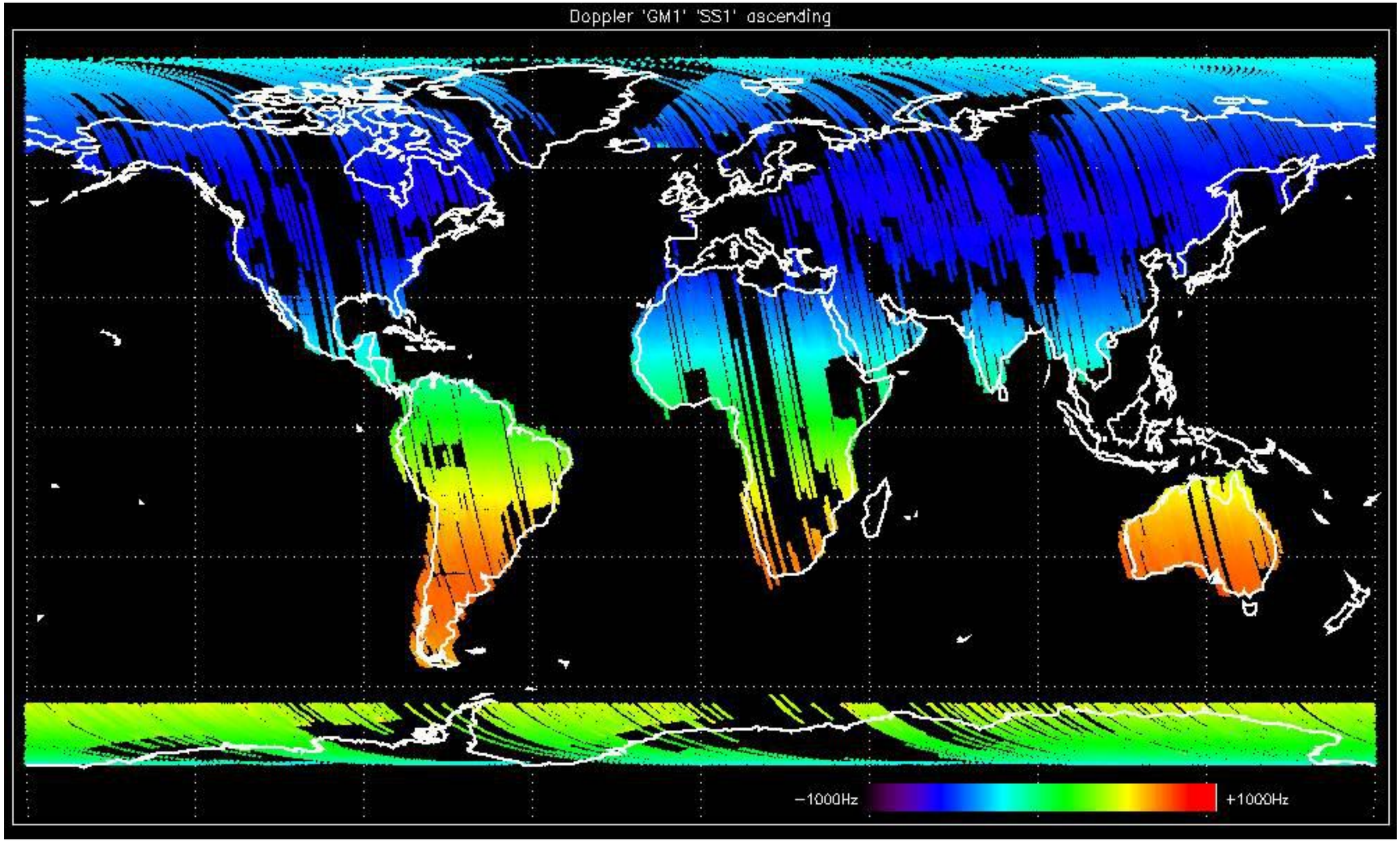
No anomalies observed.

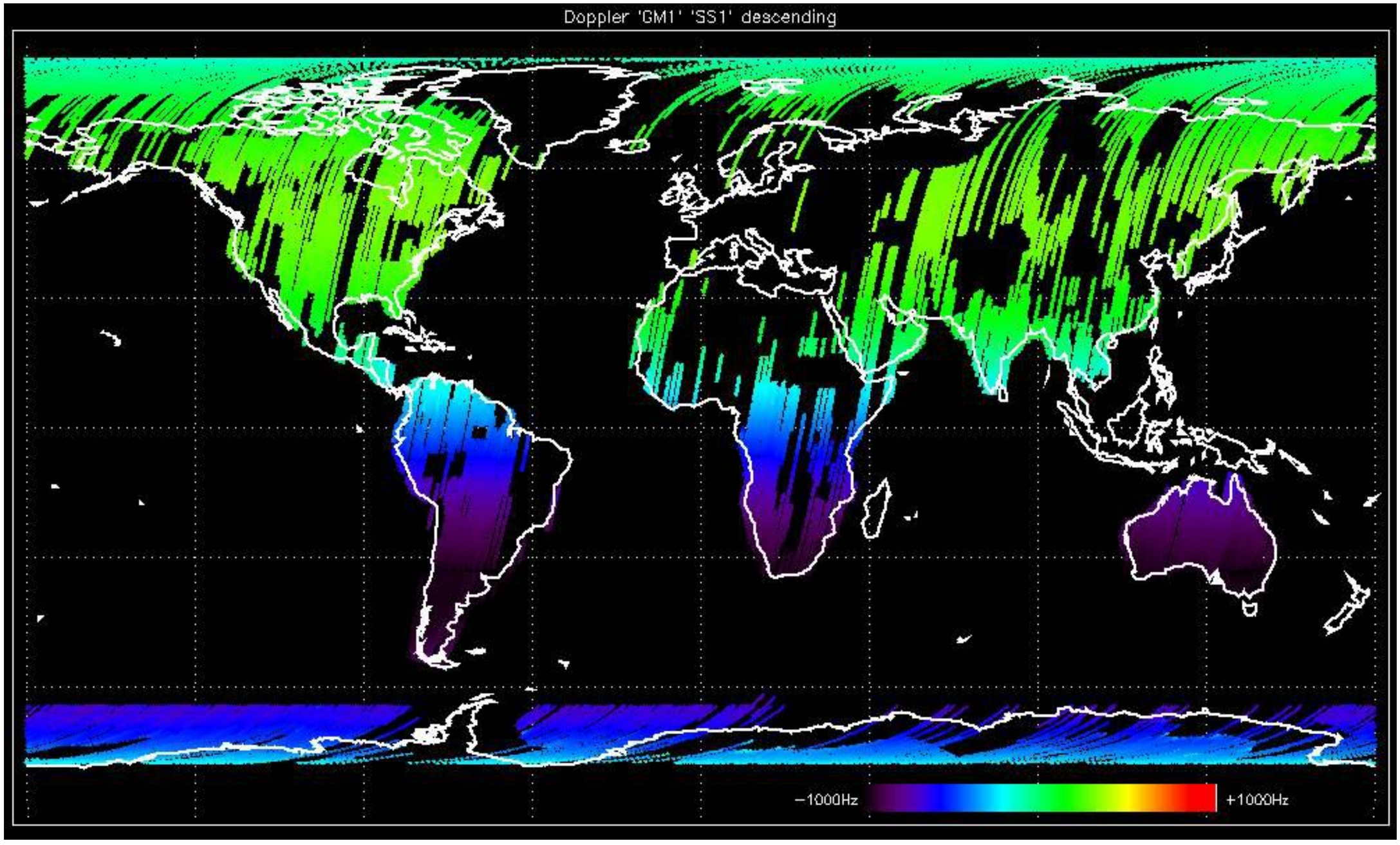

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

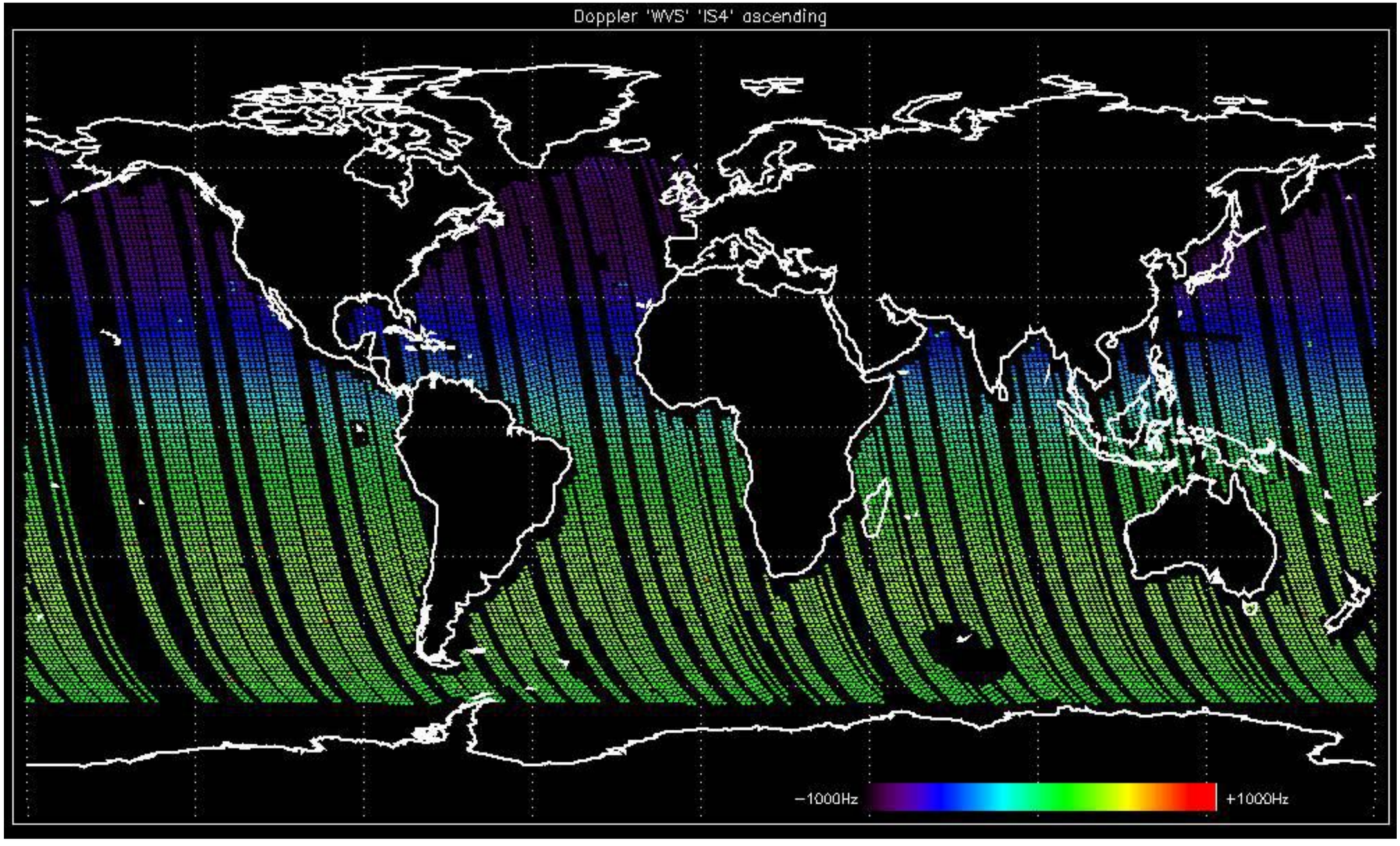

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

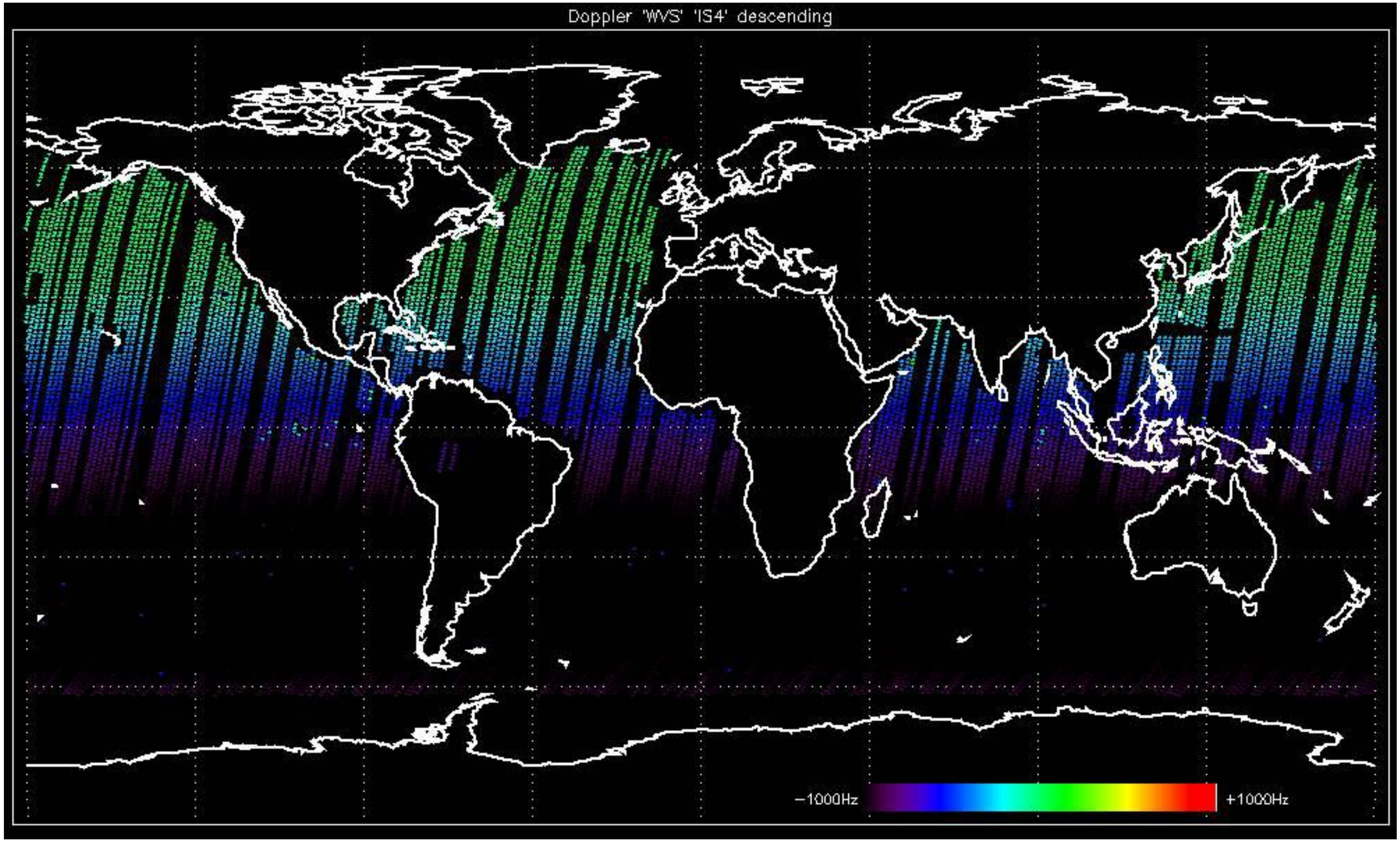
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

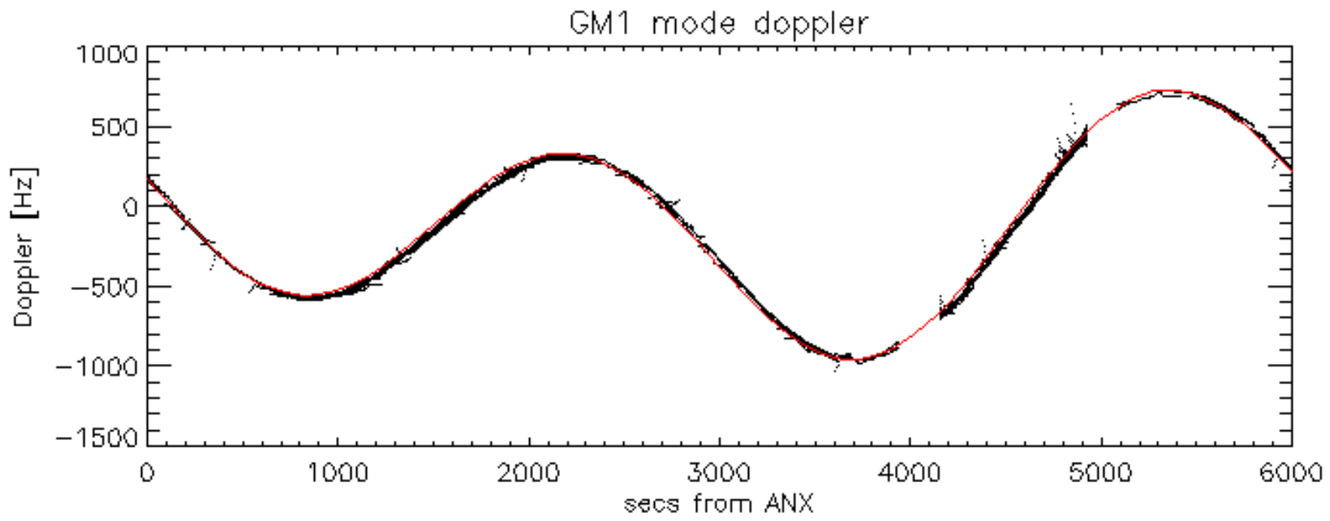
Preliminary report.The data is not yet controled

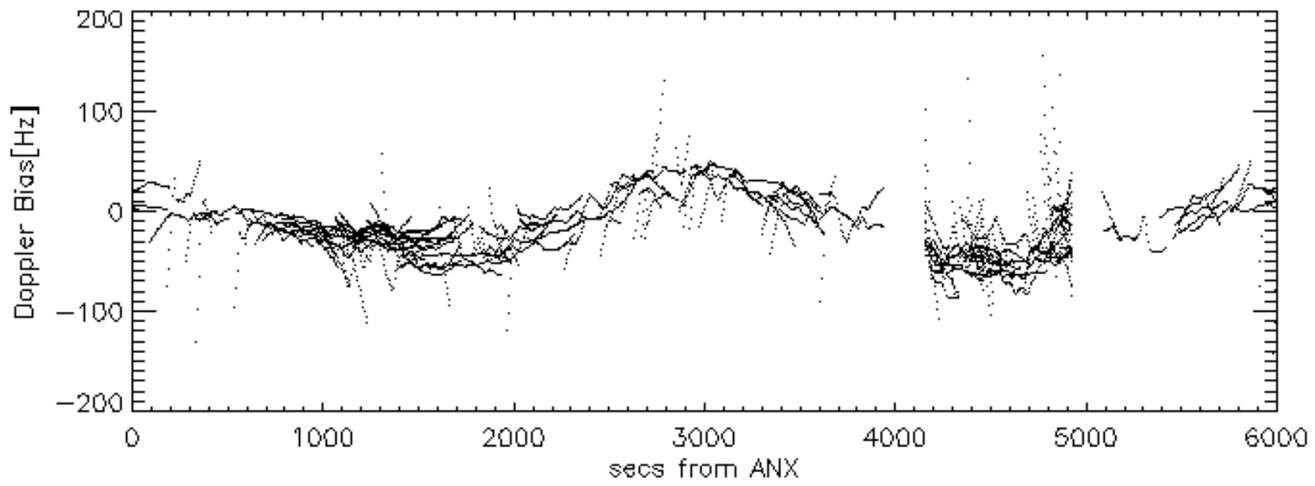

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

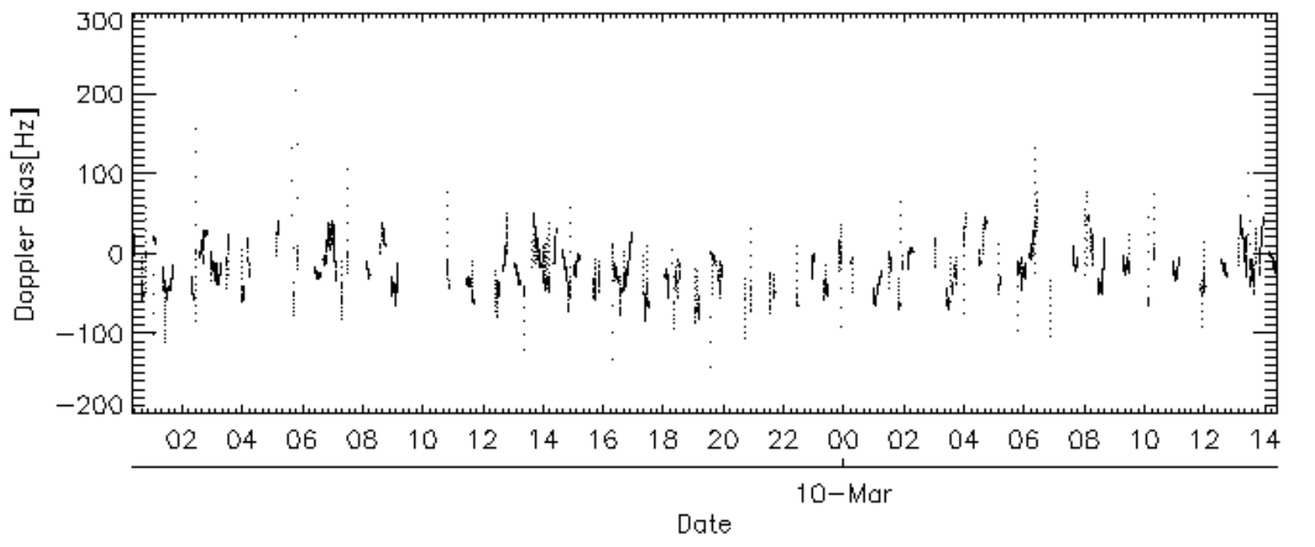

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

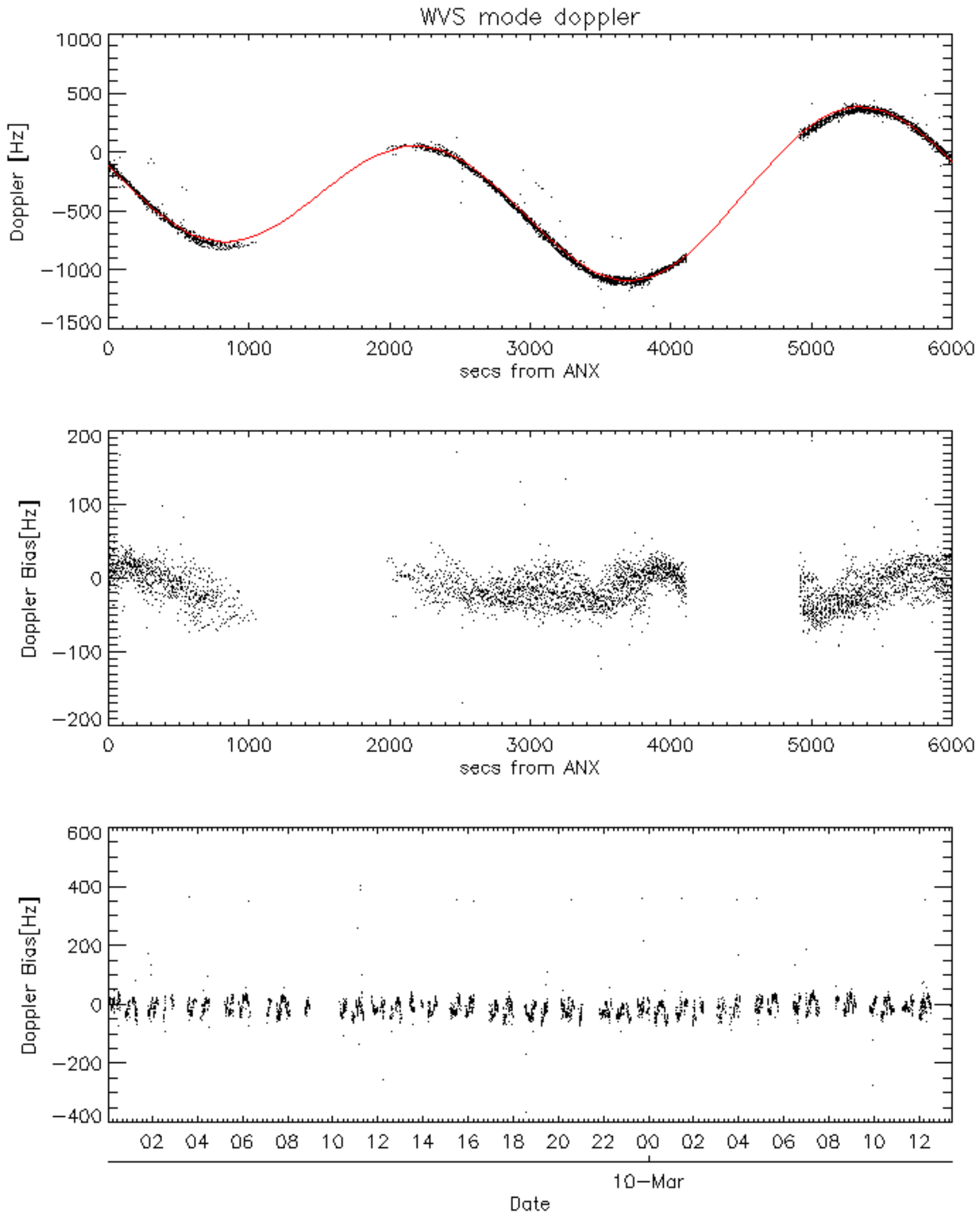

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

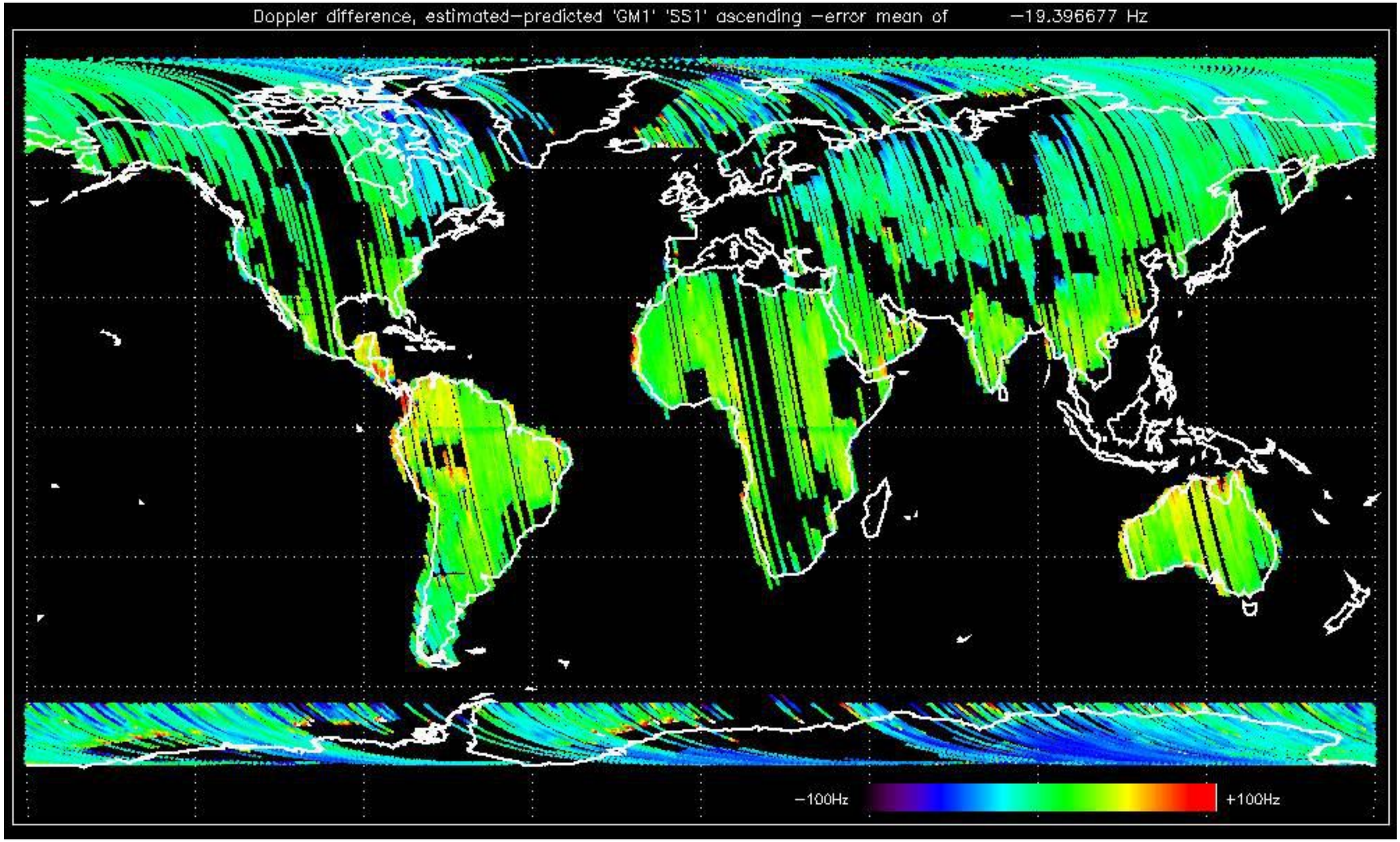

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

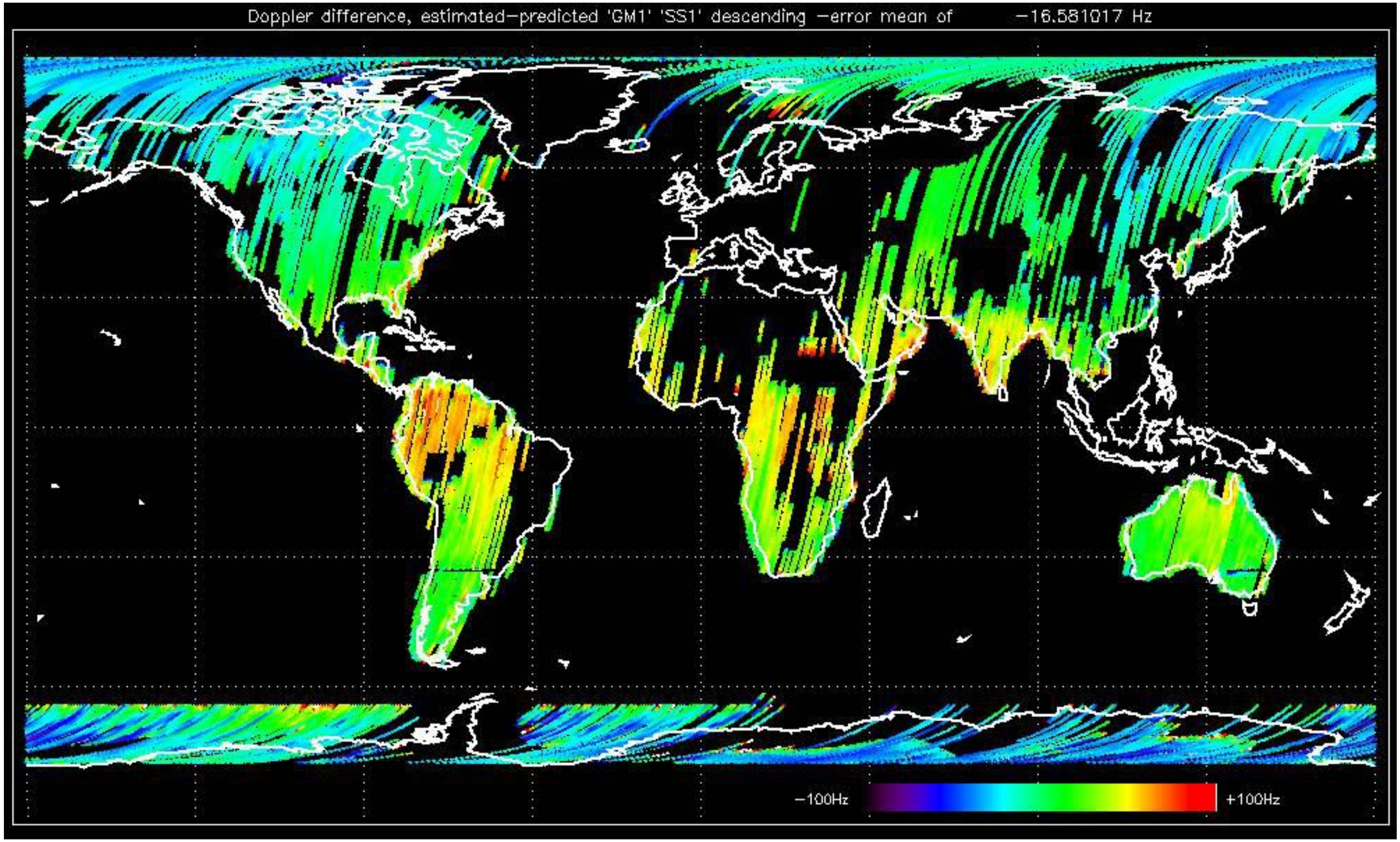

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

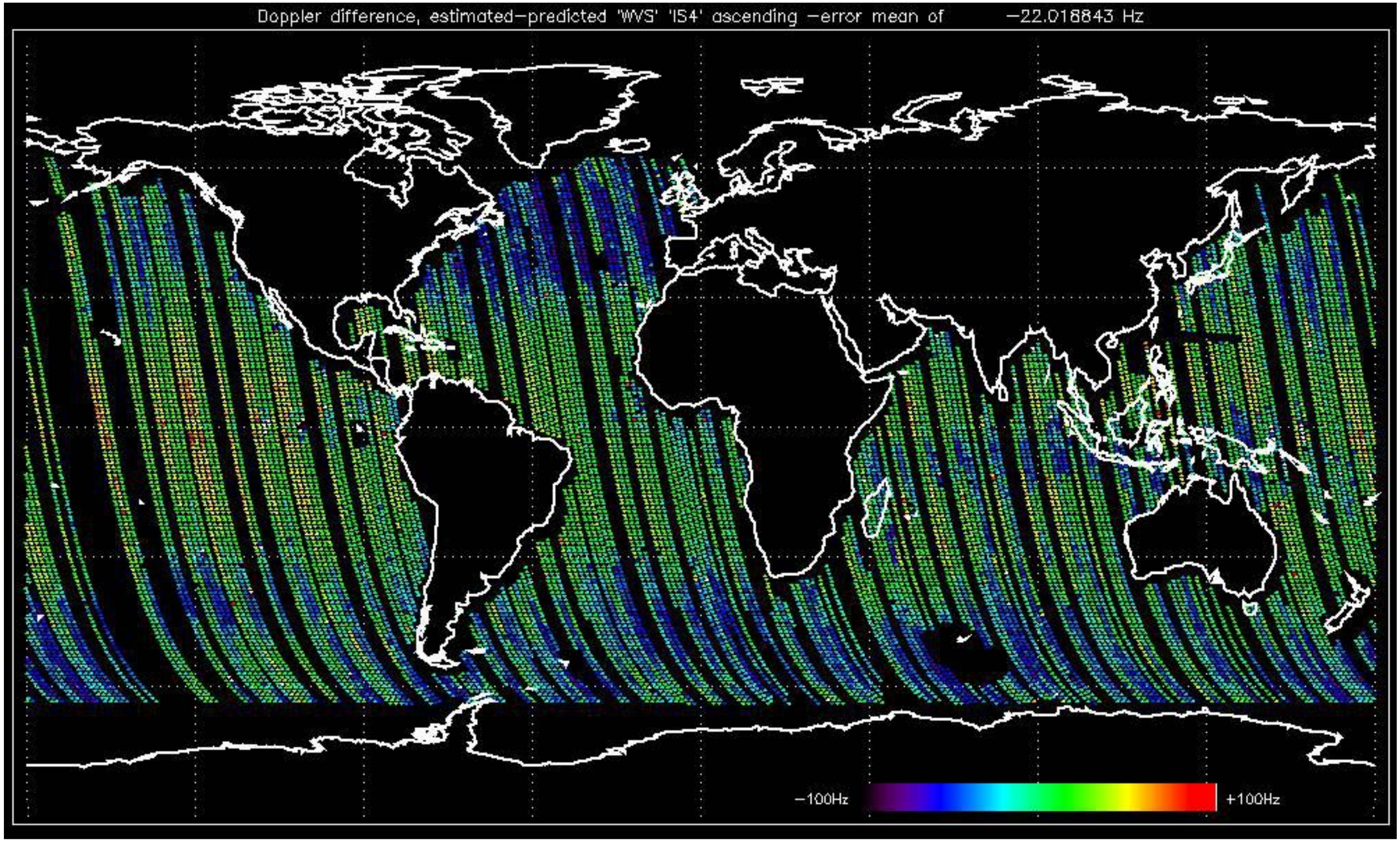

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

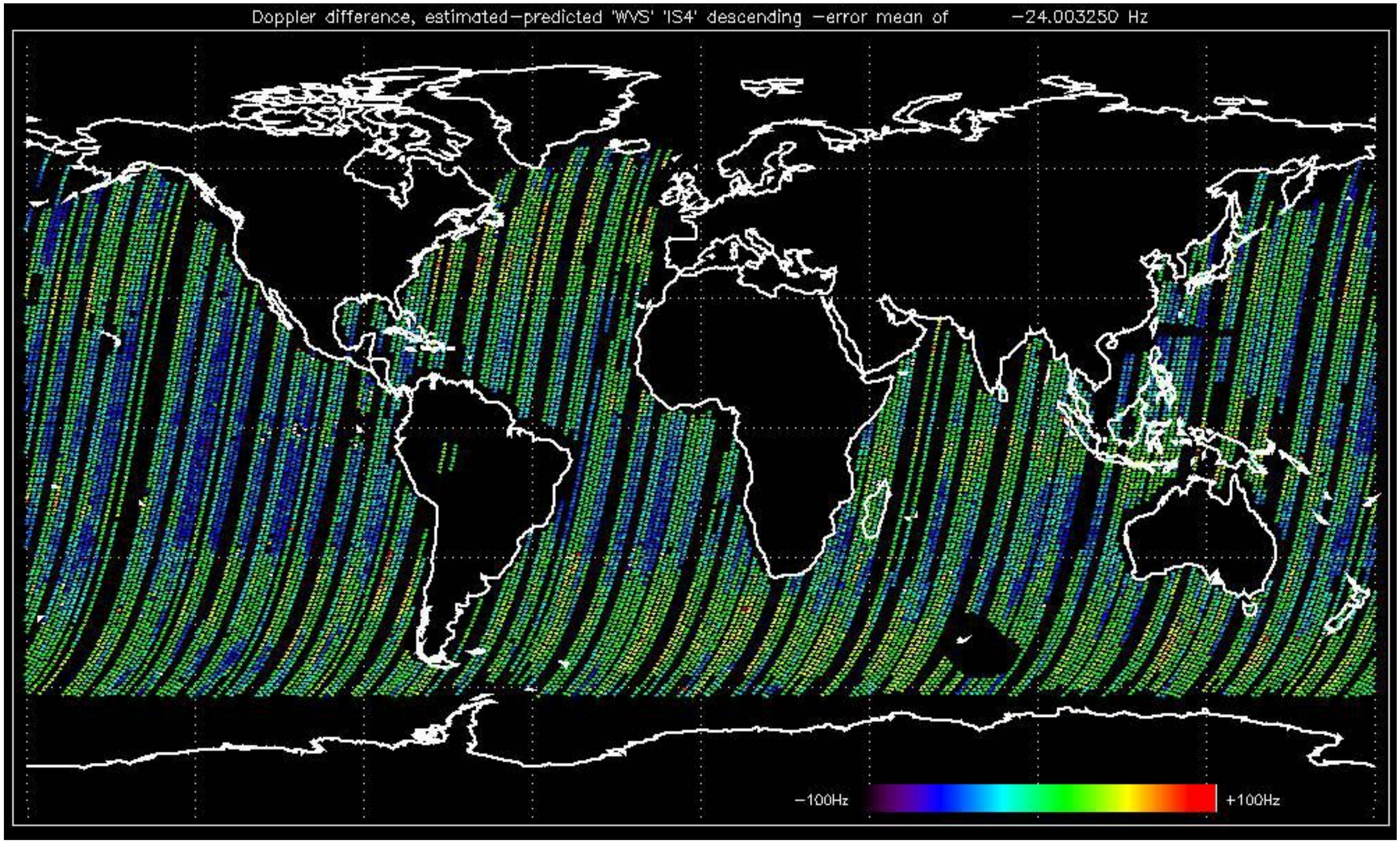

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
10−Mar
Date


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]
600
400
200
0
−200
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
10−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.396677 Hz
−100Hz
+100Hz

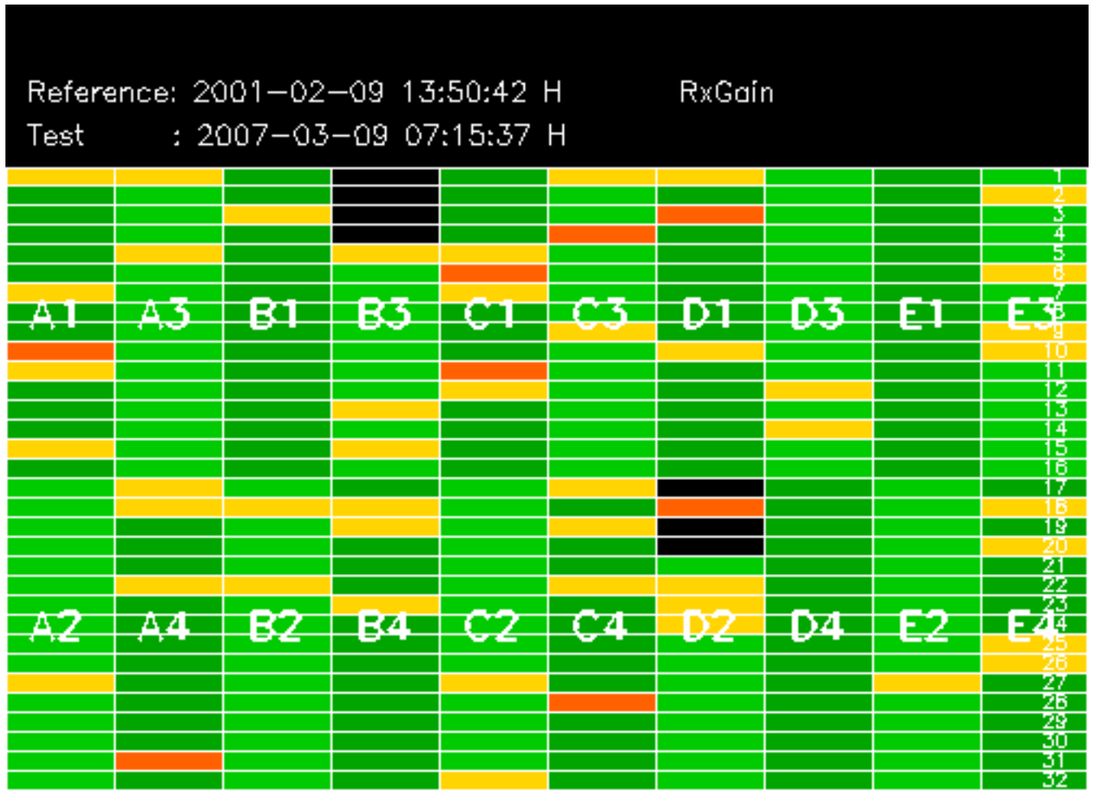

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.581017 Hz
−100Hz
+100Hz

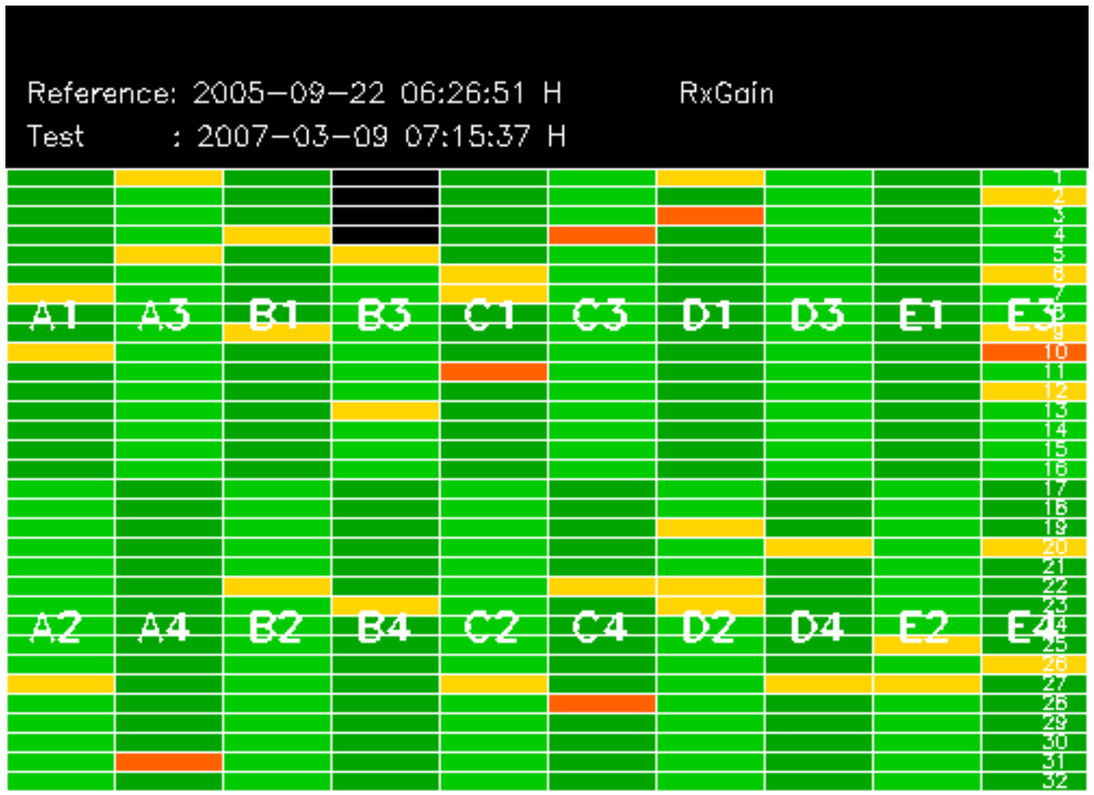

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −22.018843 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −24.003250 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-09 07:15:37 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
Test : 2007-03-09 07:15:37 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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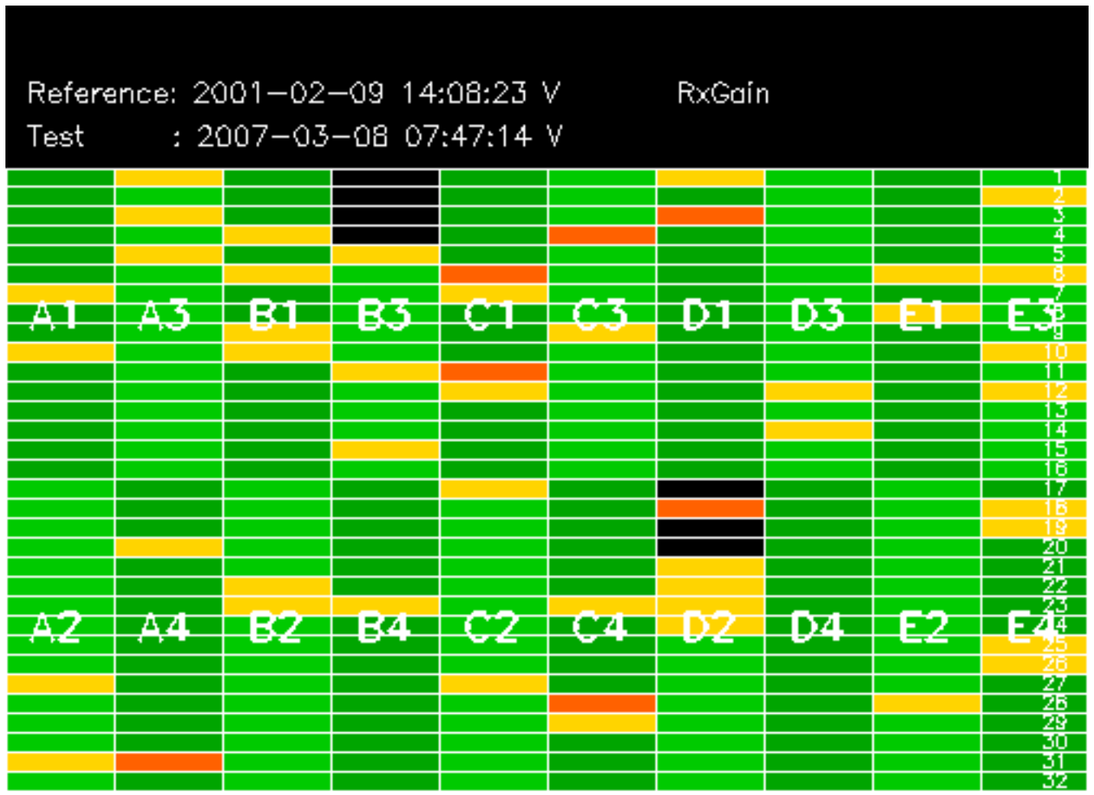
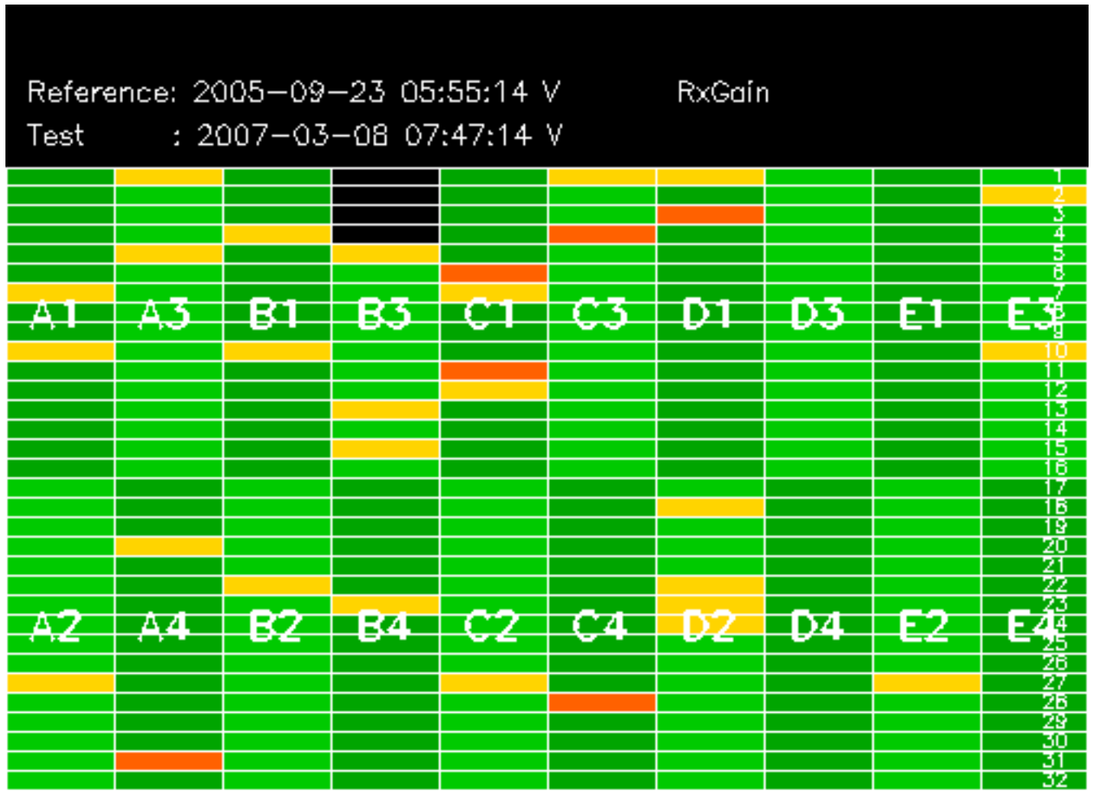

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-03-08 07:47:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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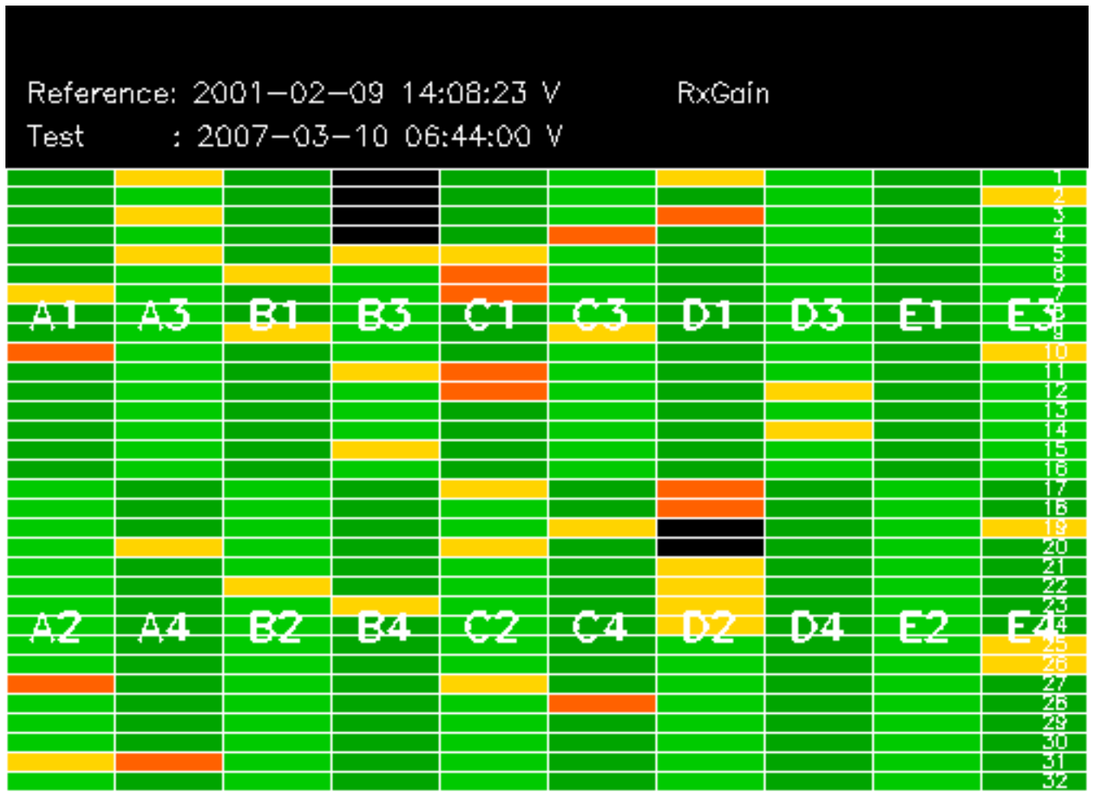
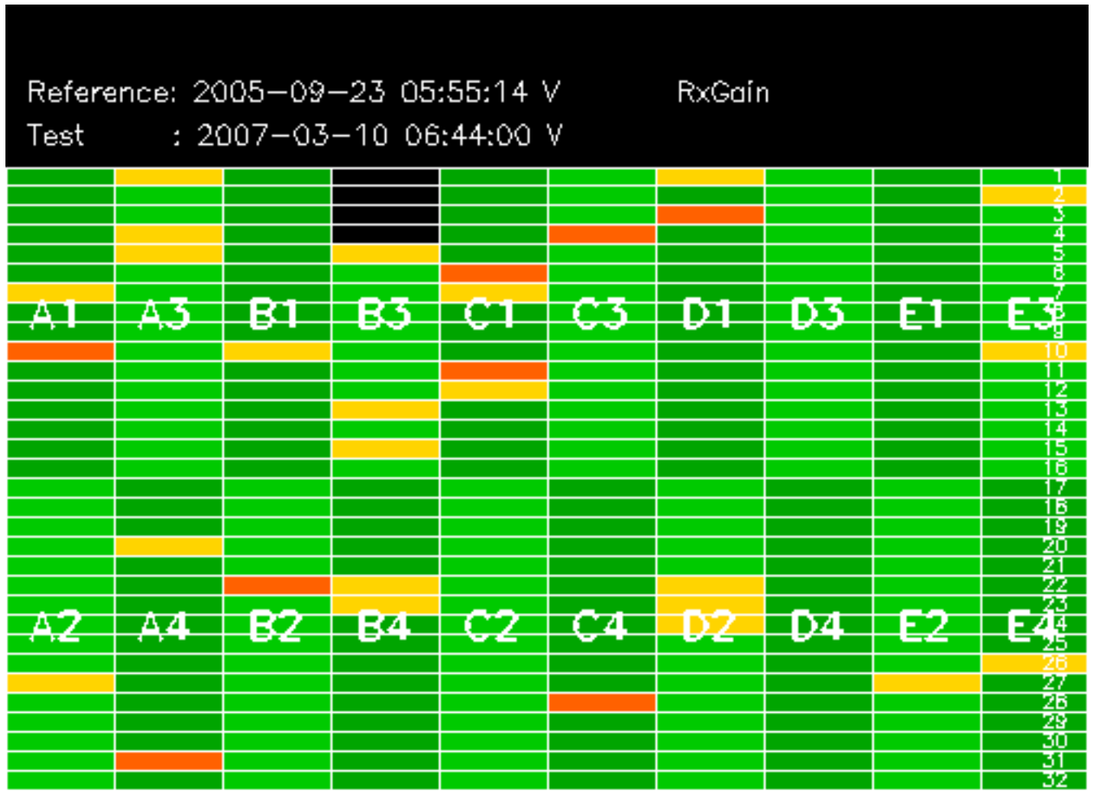

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-10 06:44:00 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-10 06:44:00 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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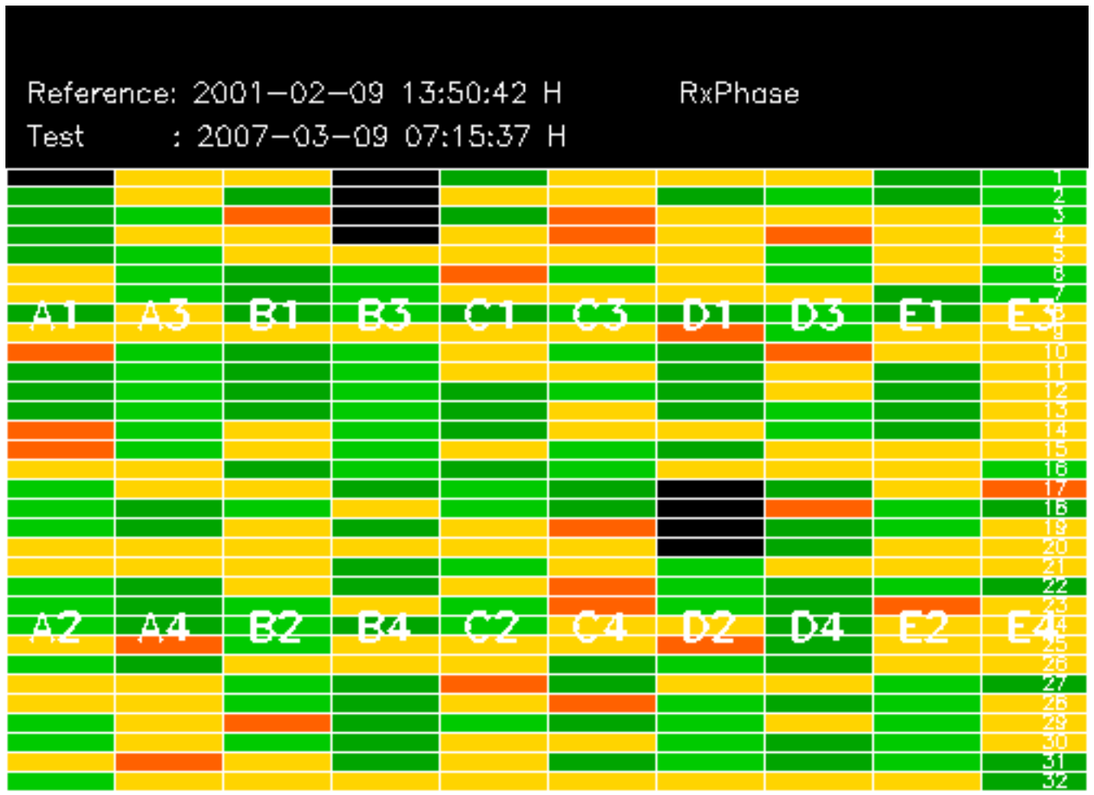
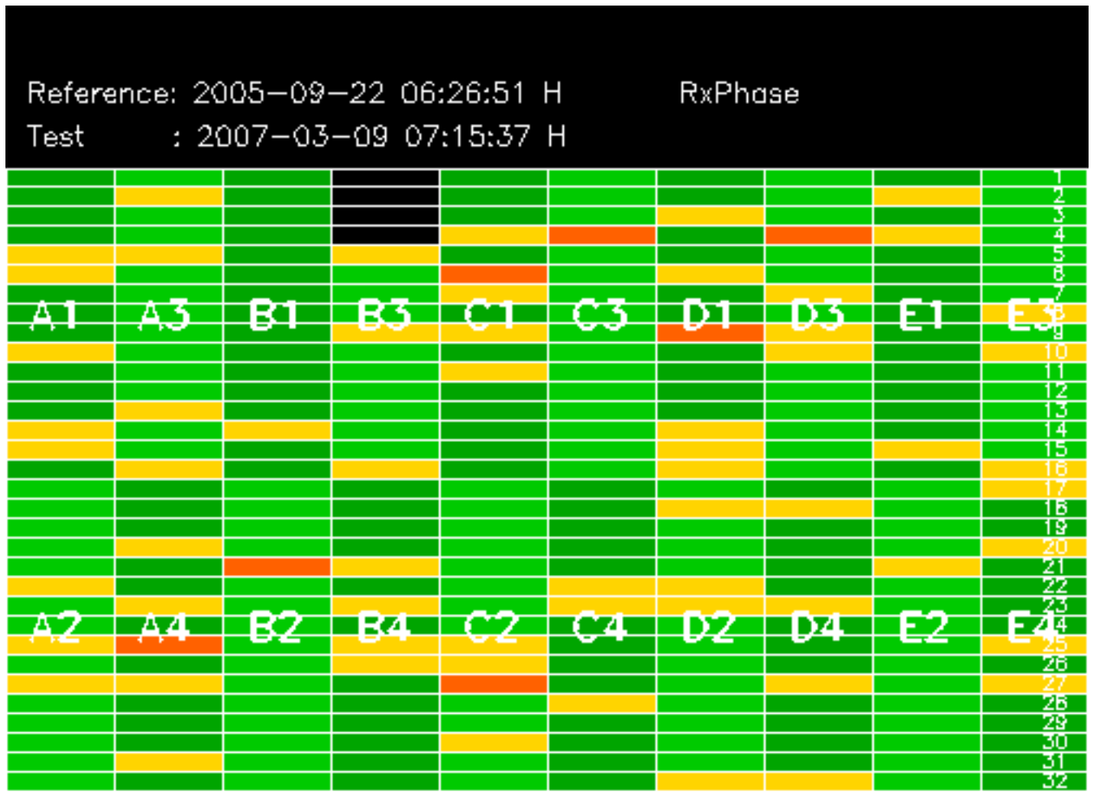

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-09 07:15:37 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-09 07:15:37 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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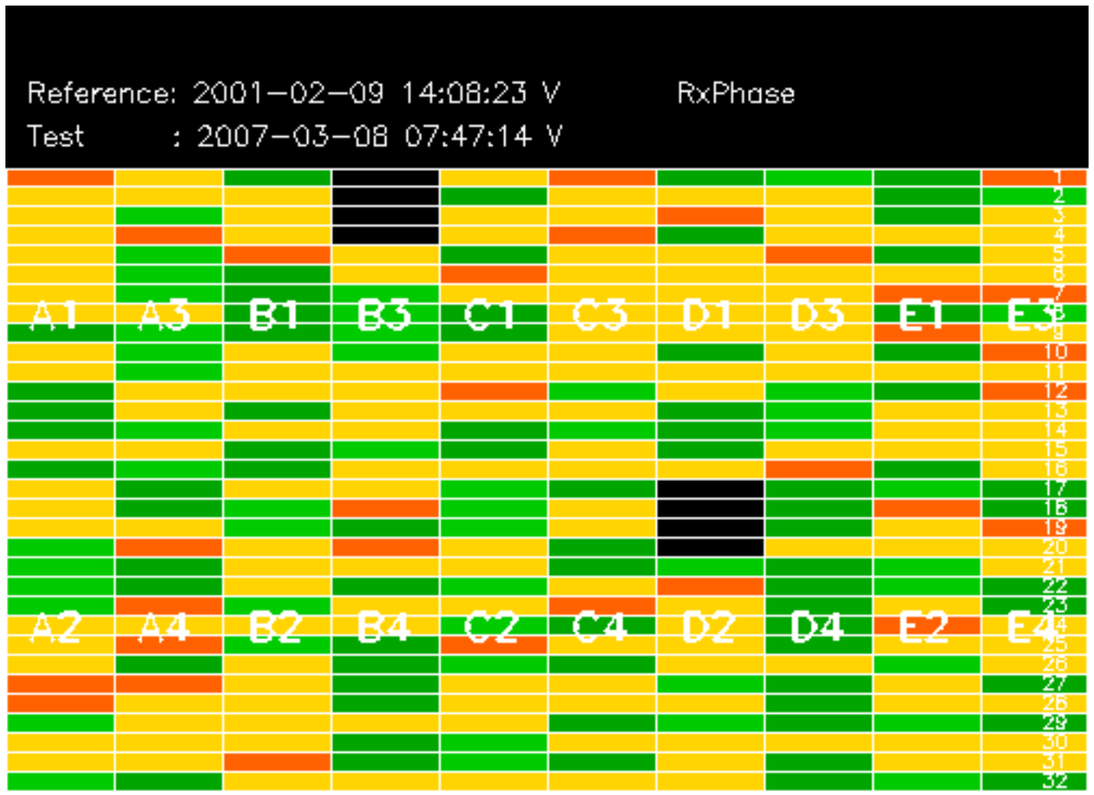
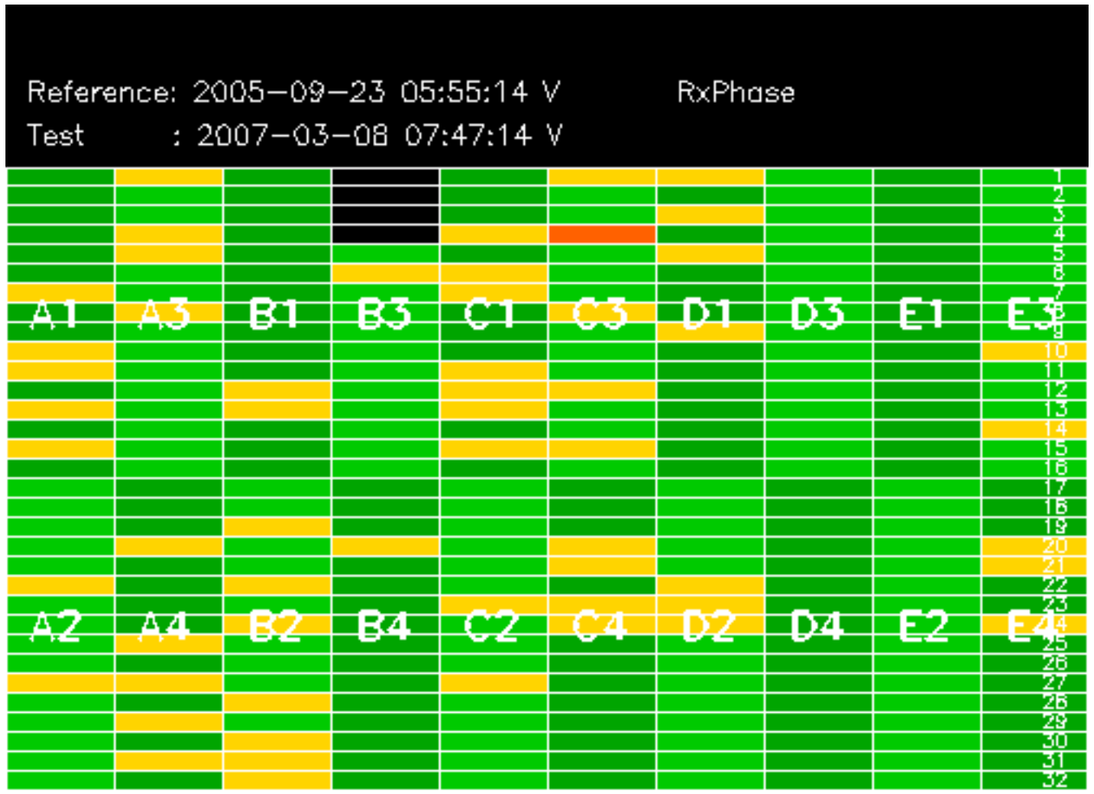

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-08 07:47:14 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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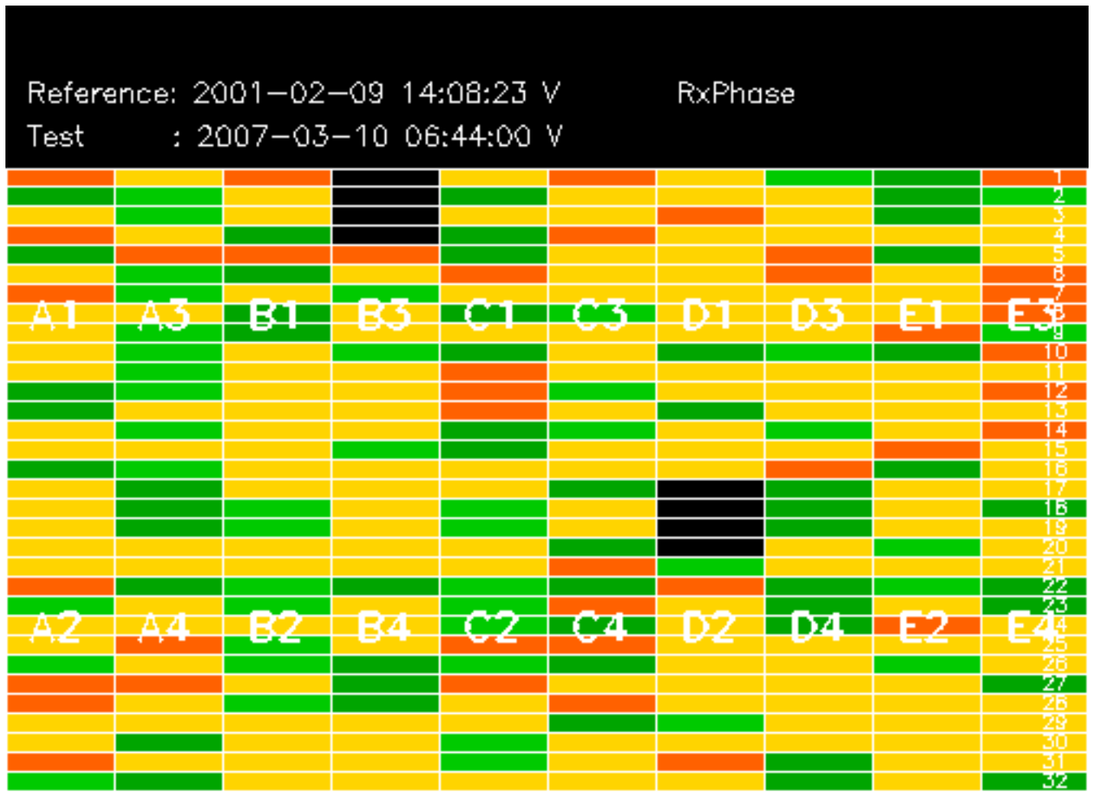
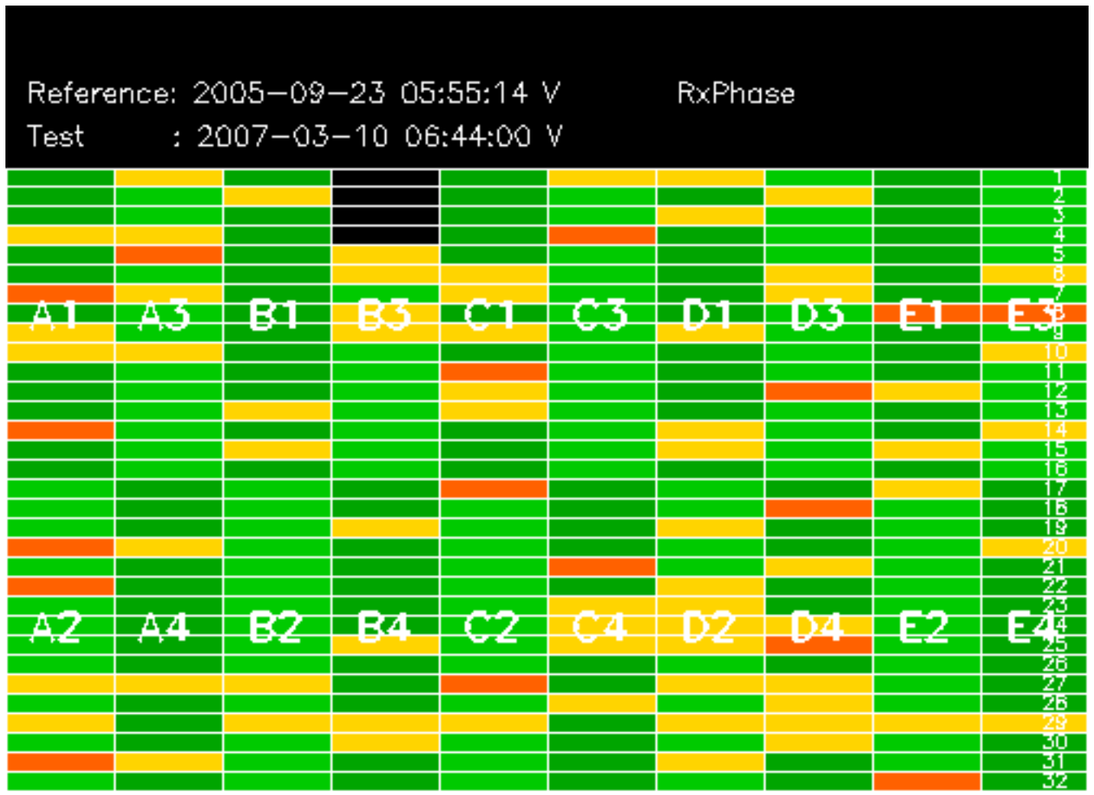

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-03-10 06:44:00 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-10 06:44:00 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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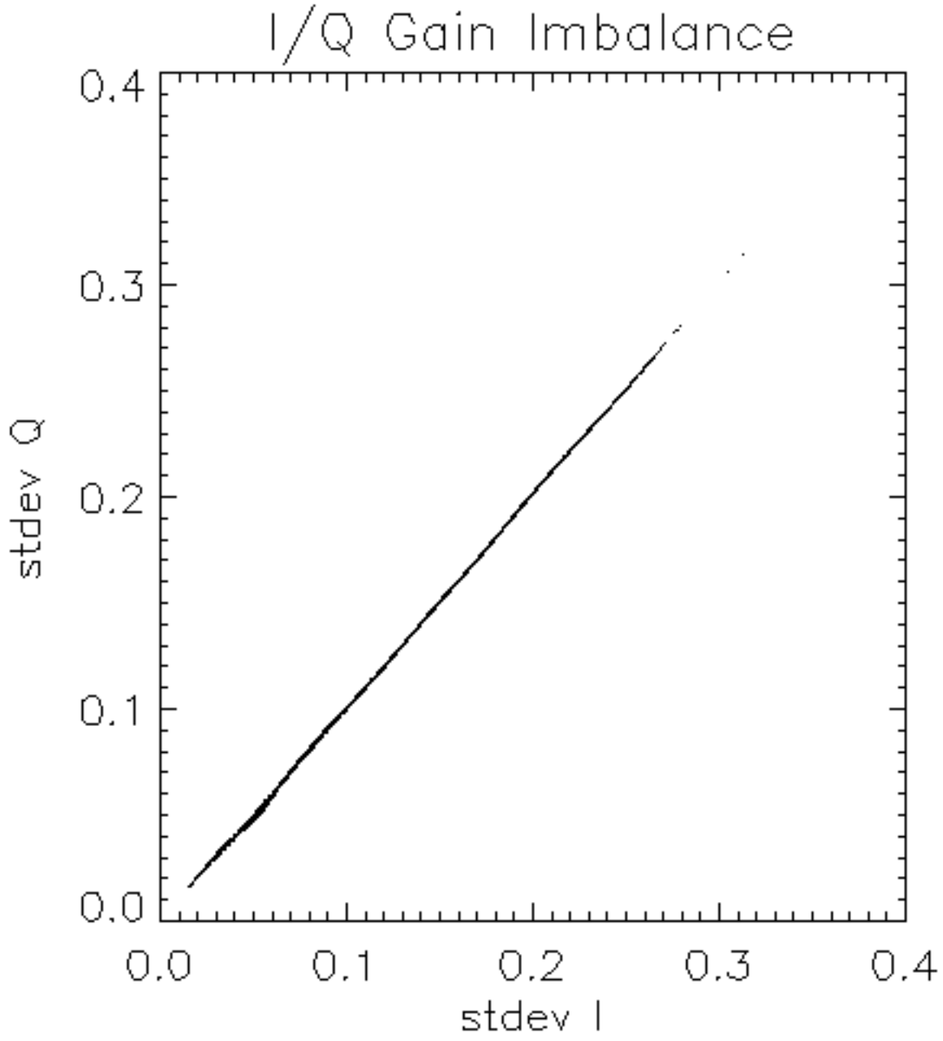
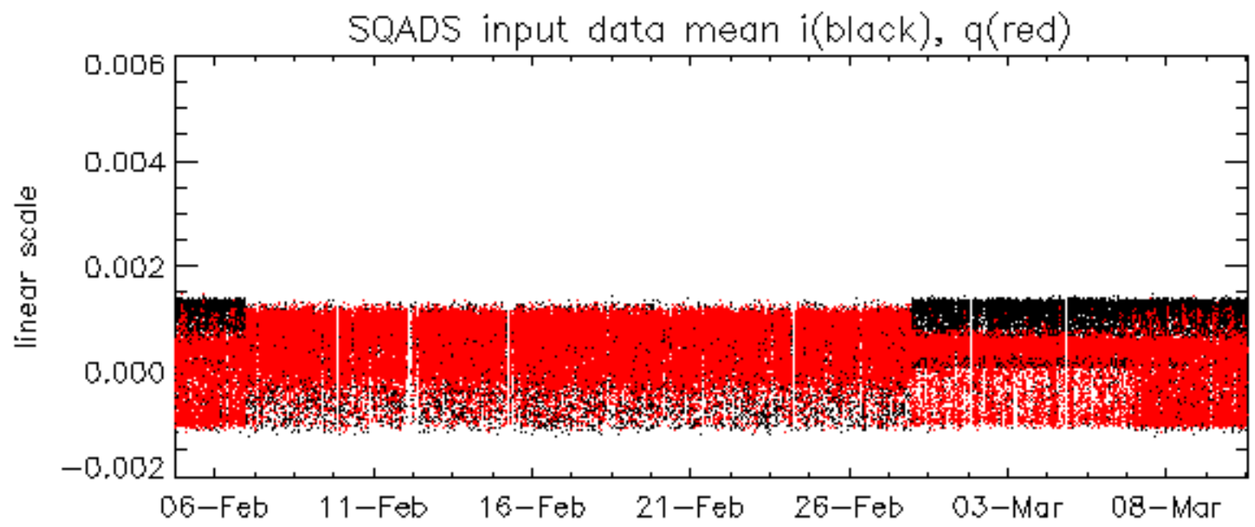
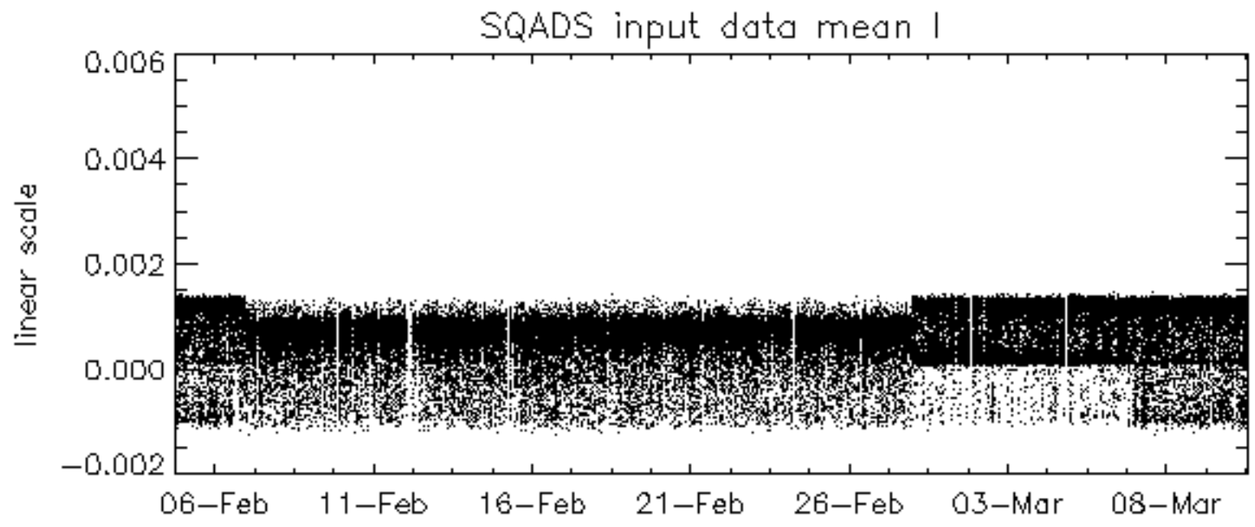
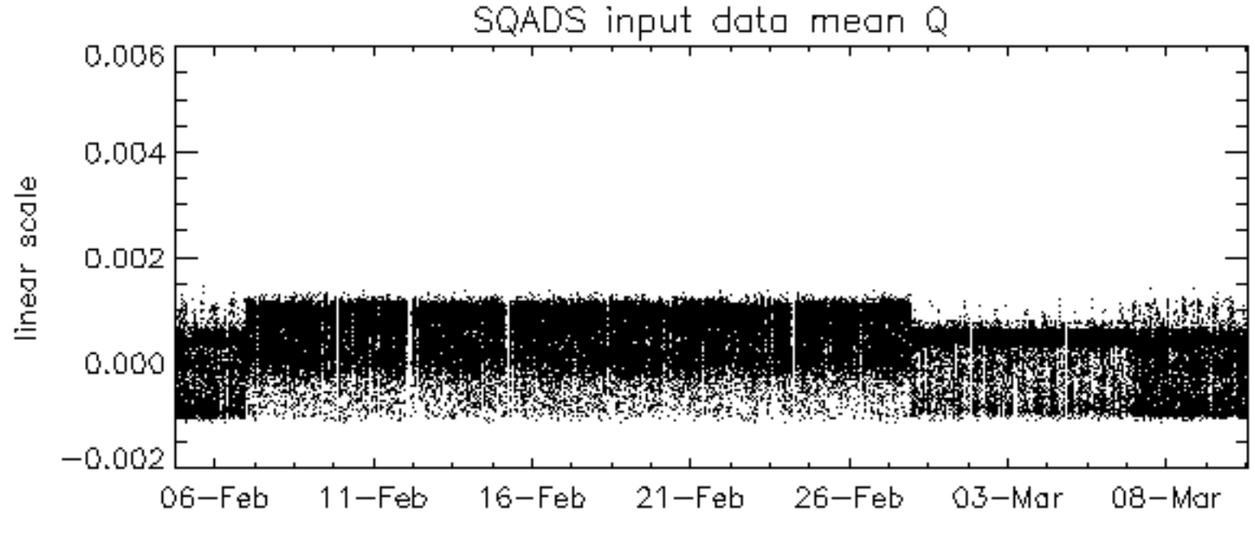
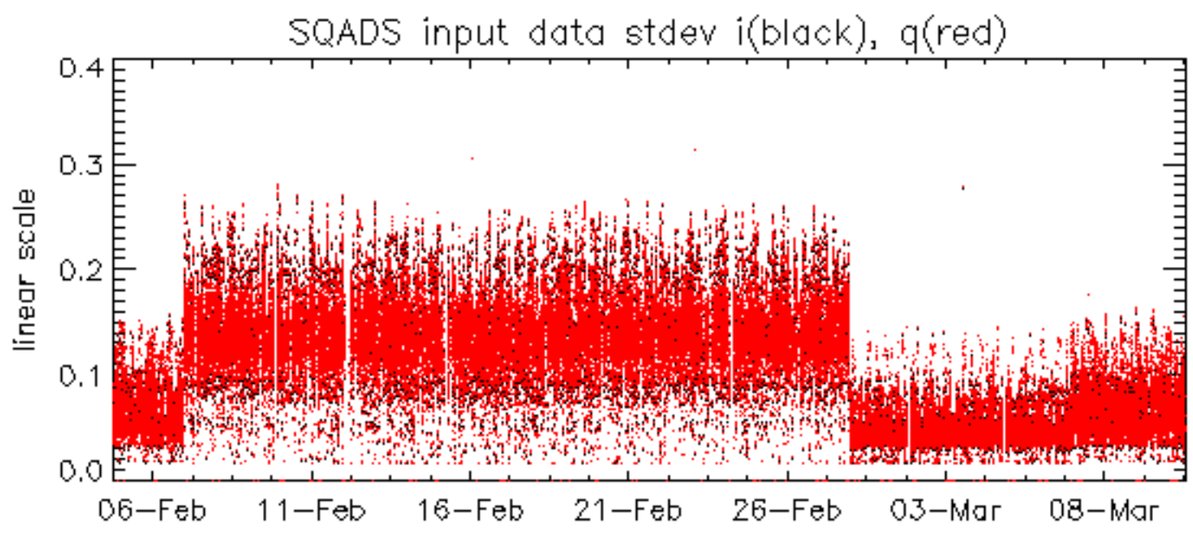
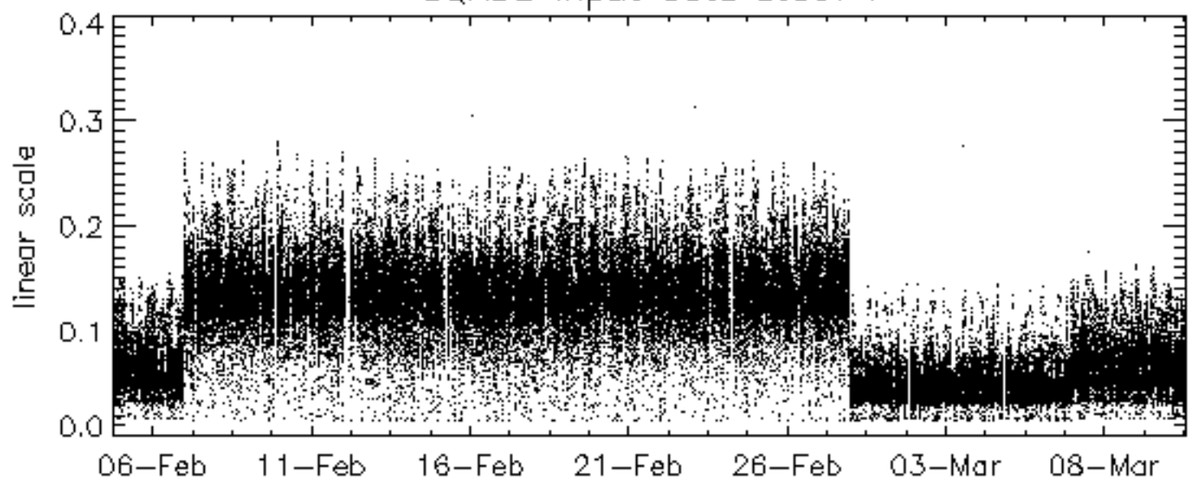

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

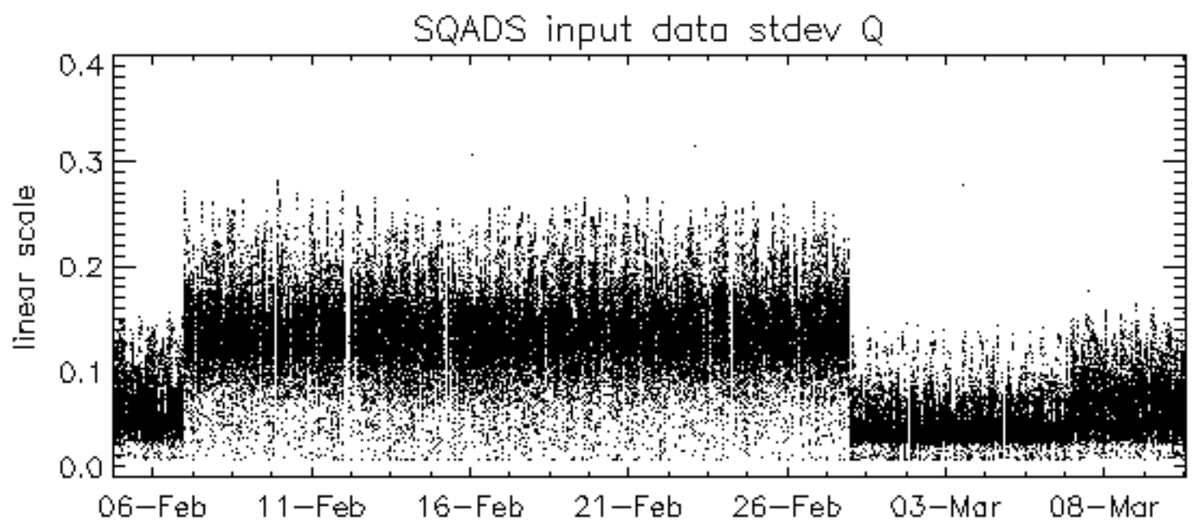

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar

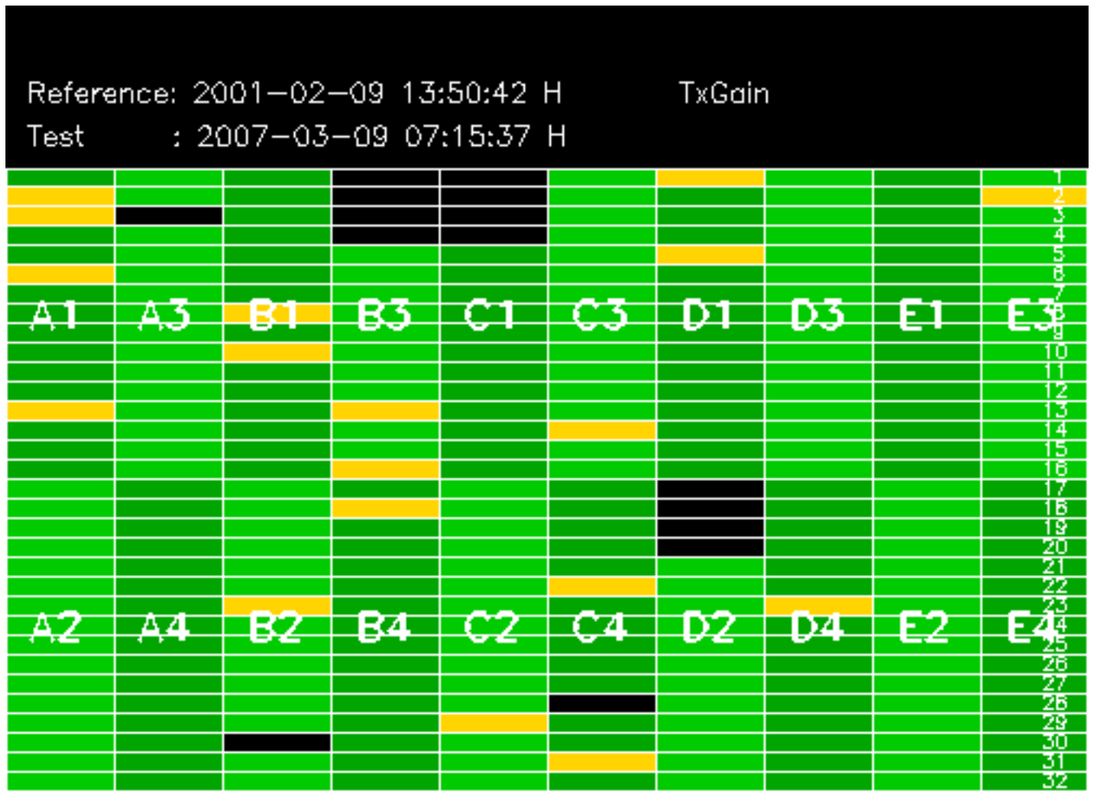

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06–Feb
11–Feb
16–Feb
21–Feb
26–Feb
03–Mar
08–Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06–Feb
11–Feb
16–Feb
21–Feb
26–Feb
03–Mar
08–Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06–Feb
11–Feb
16–Feb
21–Feb
26–Feb
03–Mar
08–Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-09 07:15:37 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
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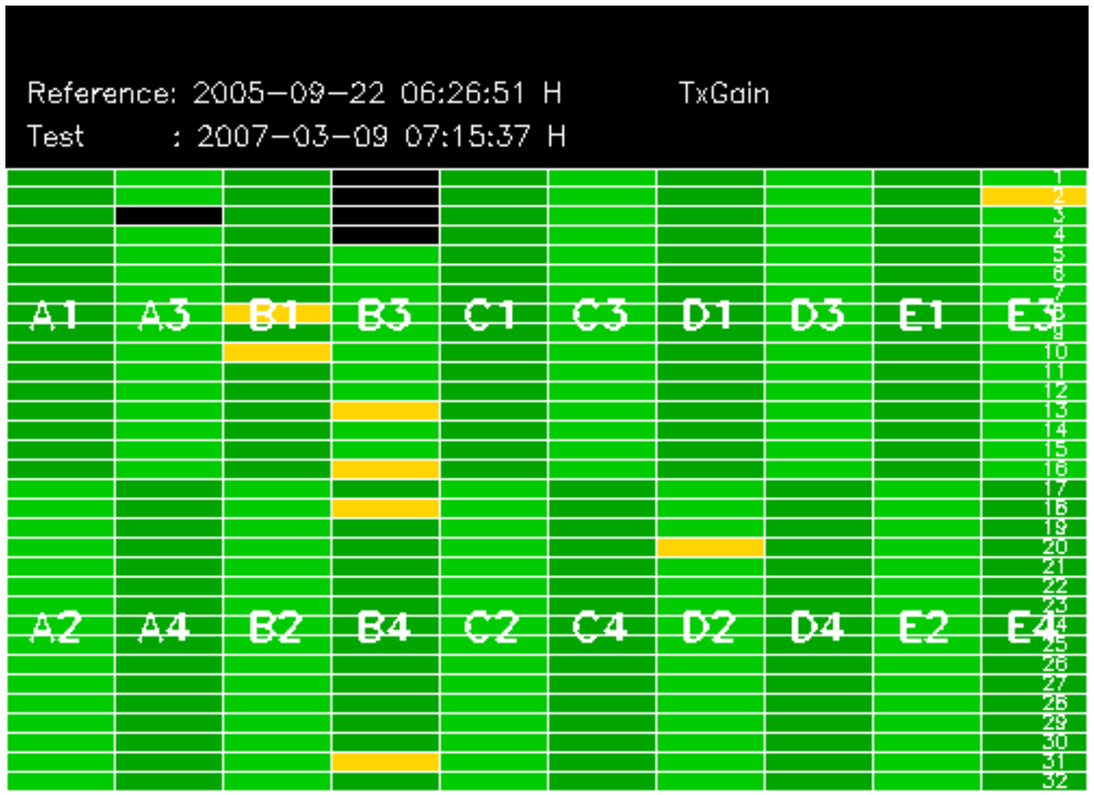
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-09 07:15:37 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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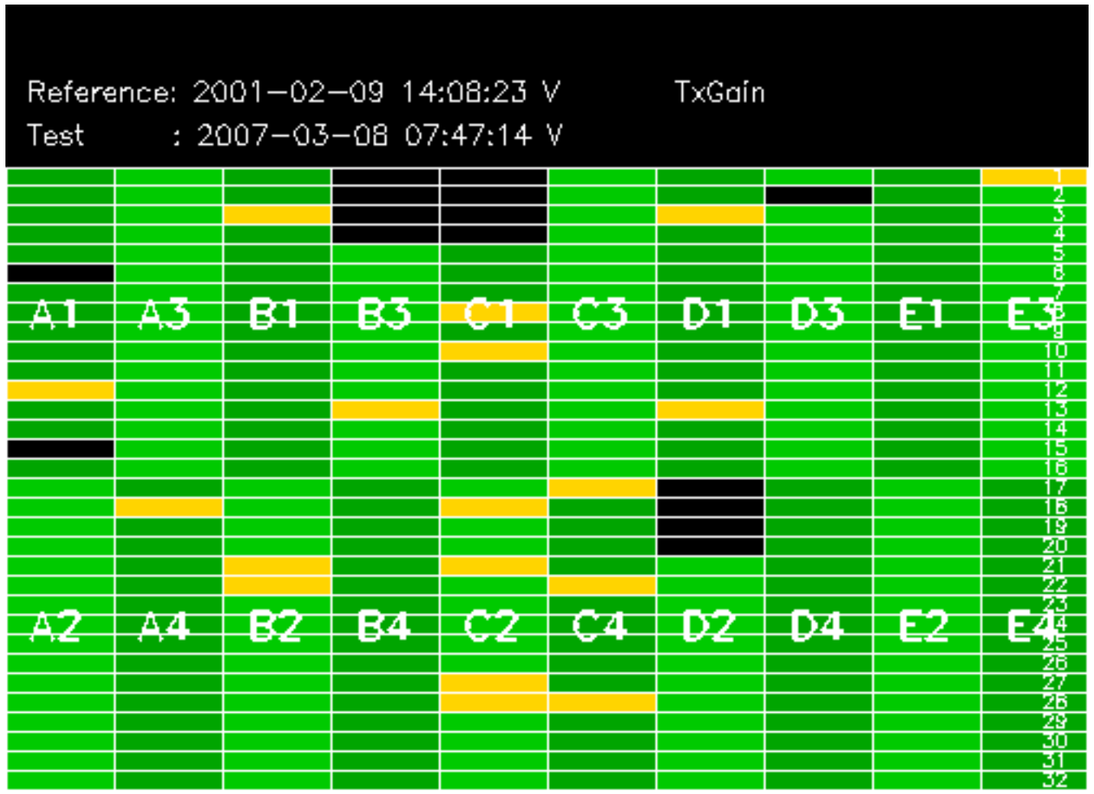
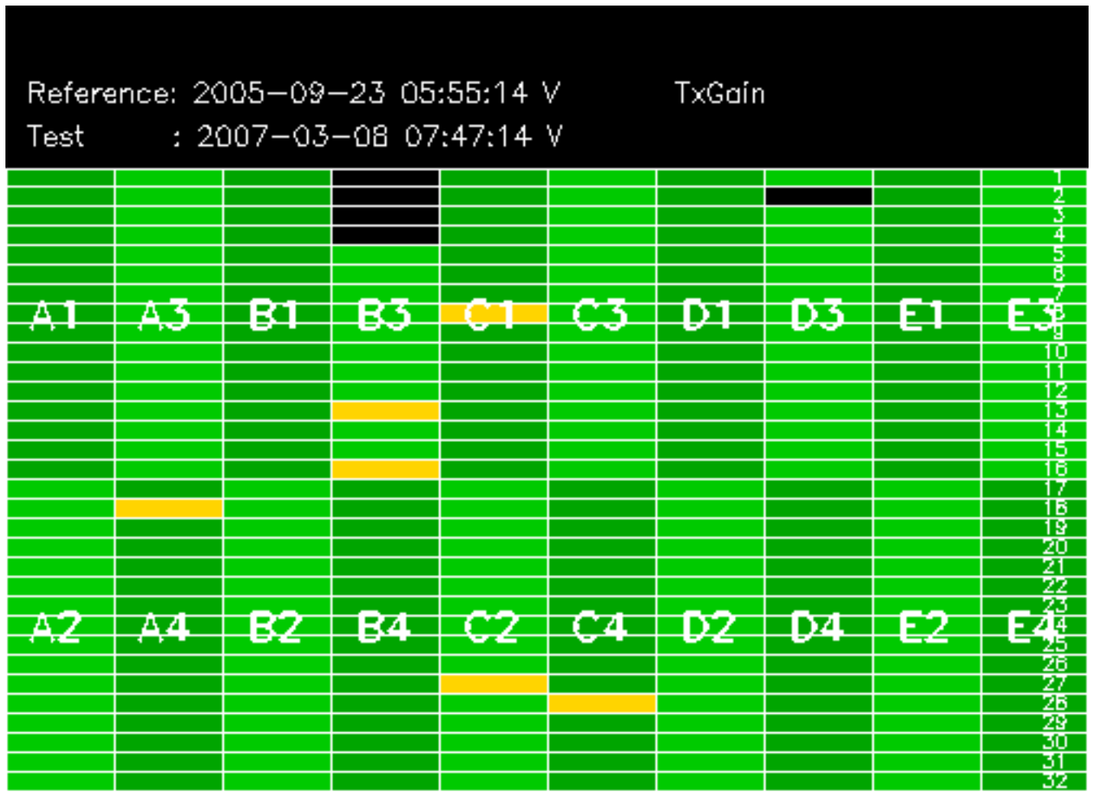

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-08 07:47:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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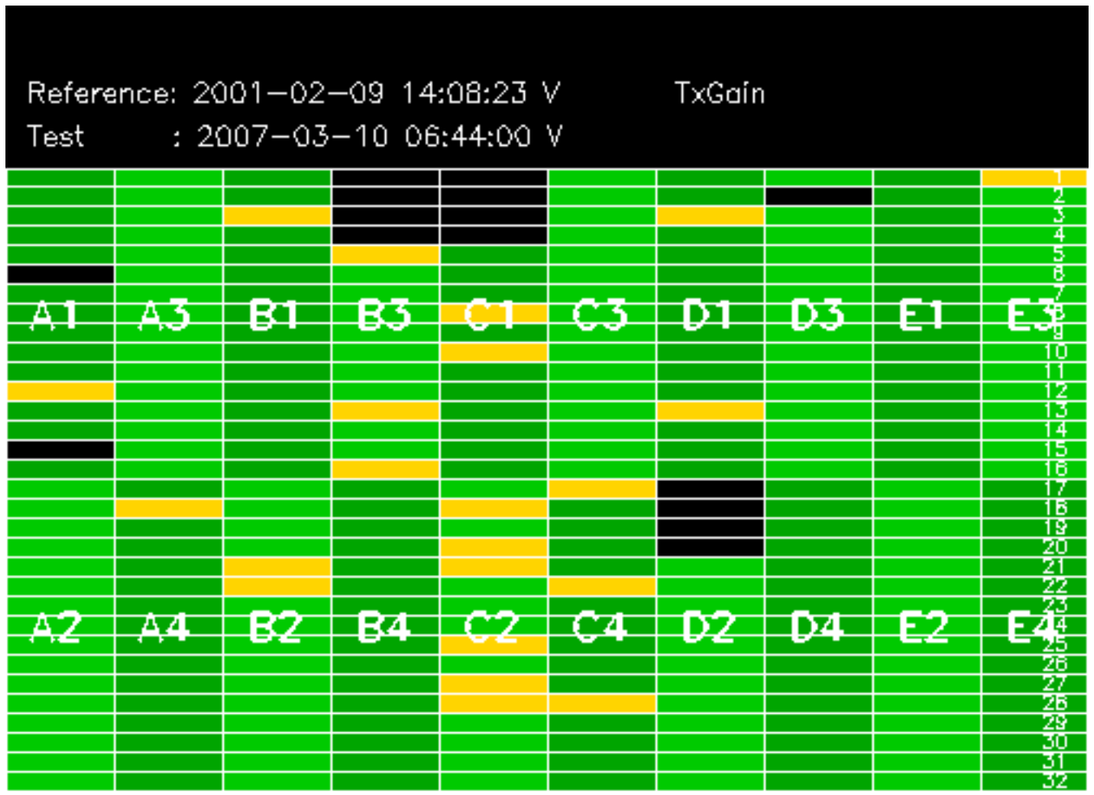
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-10 06:44:00 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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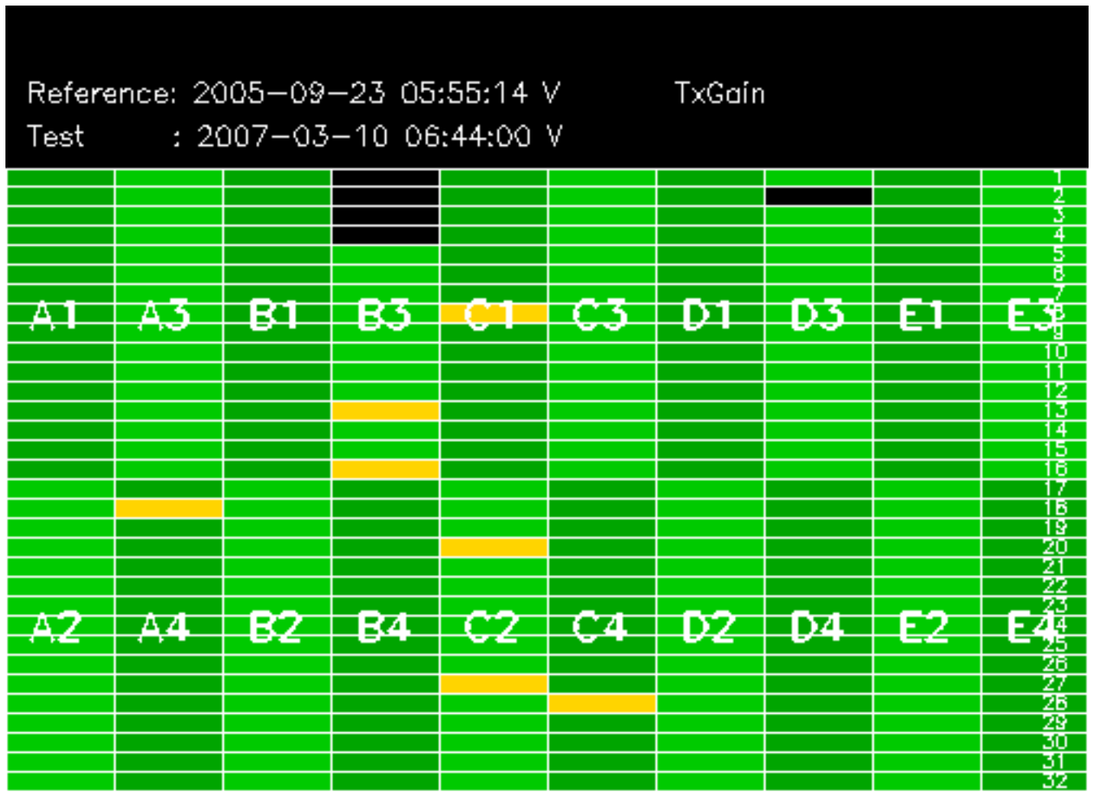
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-10 06:44:00 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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Summary of analysis for the last 3 days 2007030[890]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070308_014959_000000802056_00132_26238_4901.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070309_042629_000000782056_00147_26253_6465.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070309_194700_000000962056_00157_26263_1858.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070309_015045_000000852056_00146_26252_6150.N1 </td> <td>0 </td> <td>52 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070309_151944_000000672056_00154_26260_6845.N1 </td> <td>0 </td> <td>67 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070309_151944_000000802056_00154_26260_6879.N1 </td> <td>0 </td> <td>67 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070308_204806_000000422056_00143_26249_5615.N1 </td> <td>15 </td> <td>257 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070309_011941_000000422056_00146_26252_6027.N1 </td> <td>14 </td> <td>0 </td></tr>
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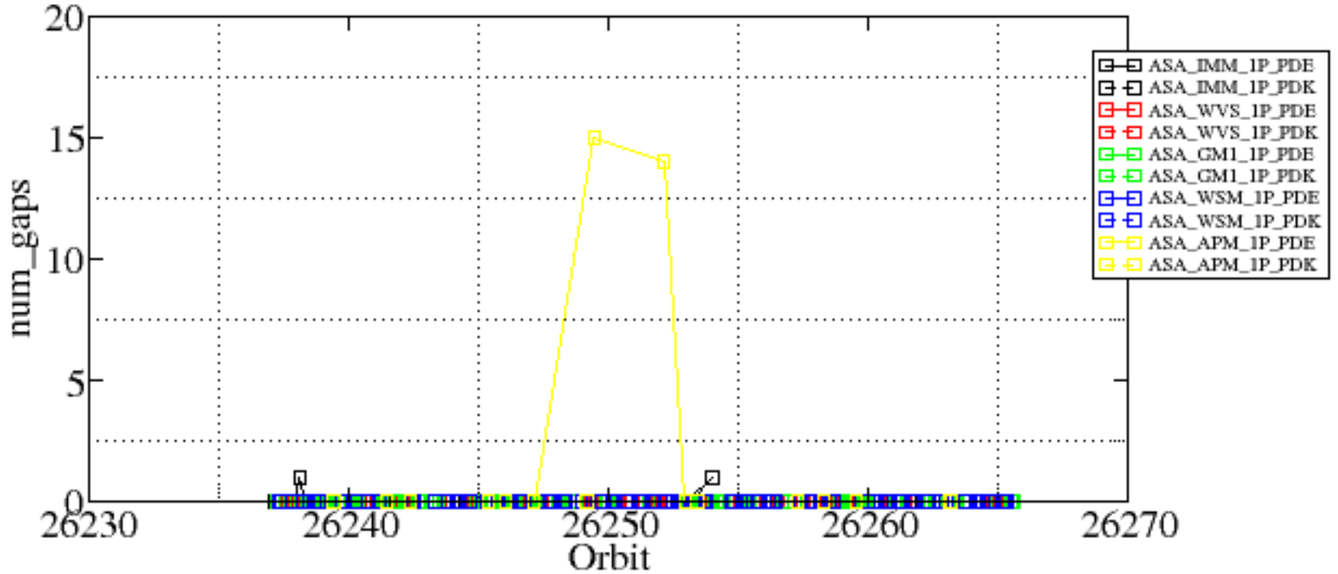
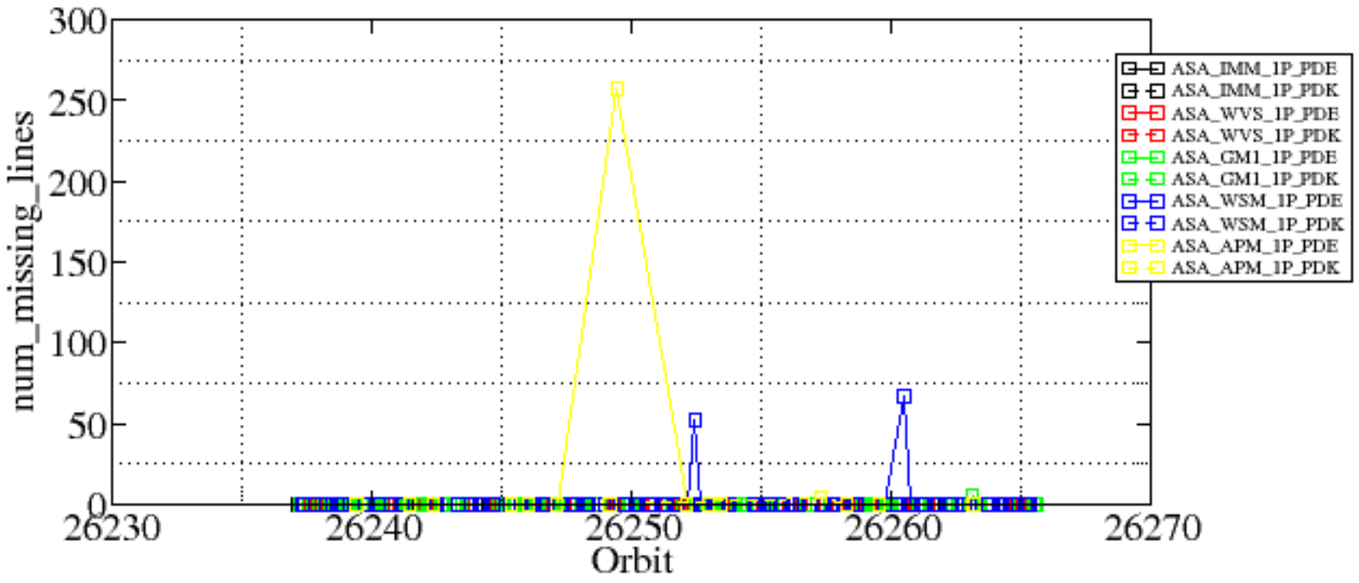
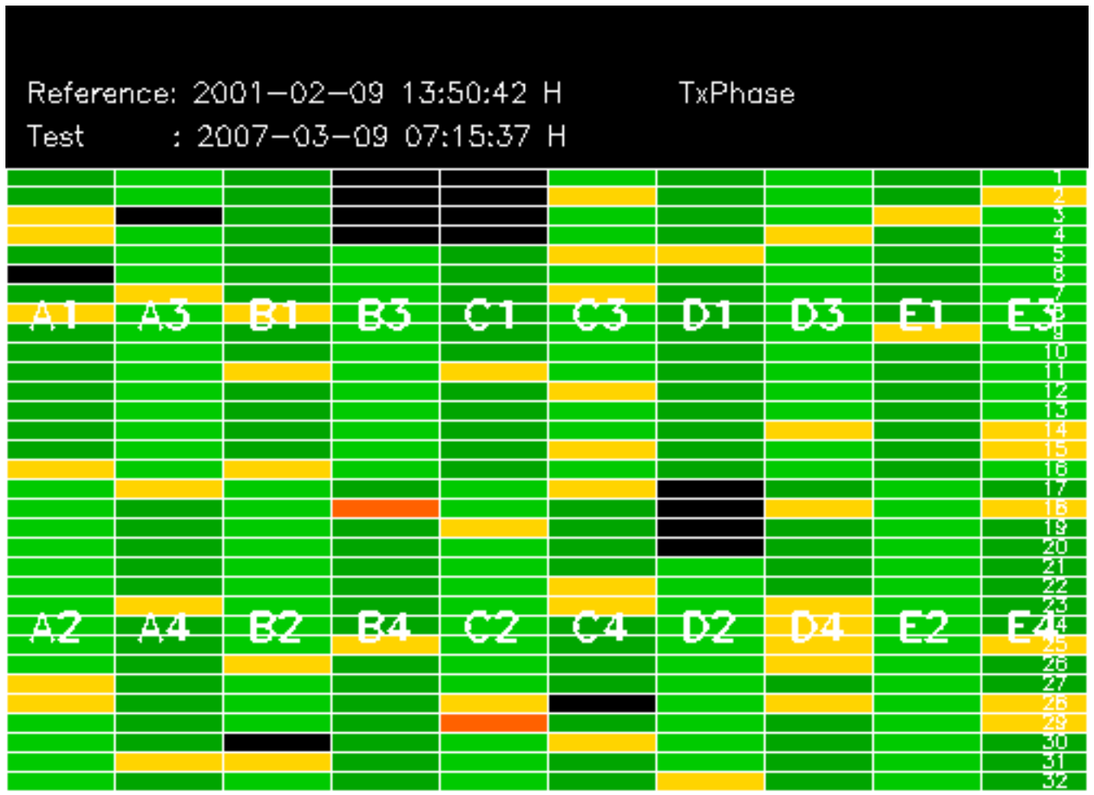
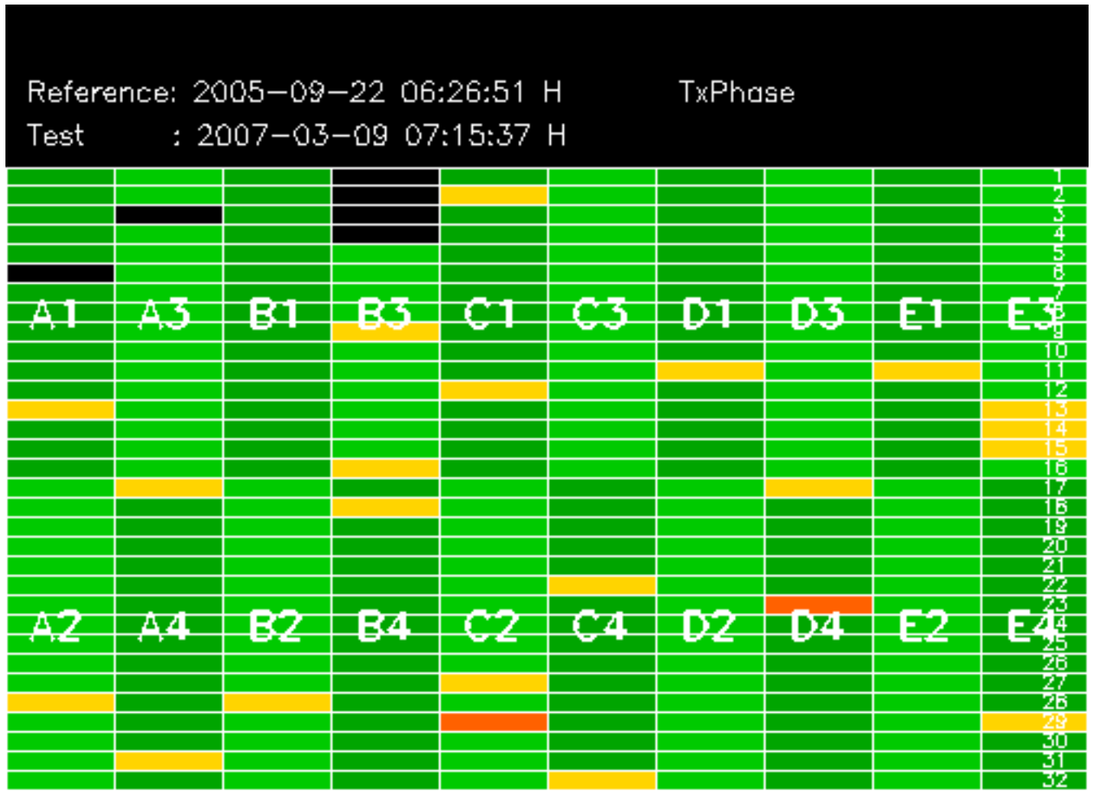
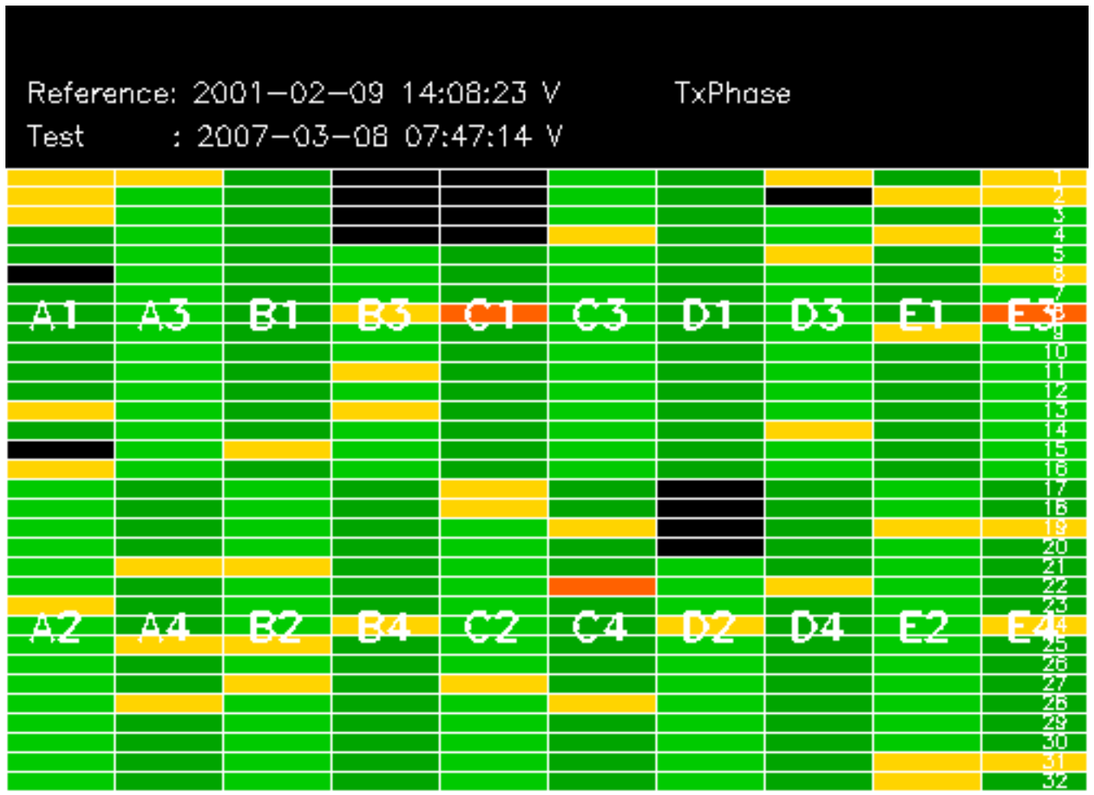
</table>


num_gaps
20
15
10
5
0
26230
26240
26250
26260
26270
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
300
250
200
150
100
50
0
26230
26240
26250
26260
26270
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
Test : 2007-03-09 07:15:37 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-09 07:15:37 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-03-08 07:47:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
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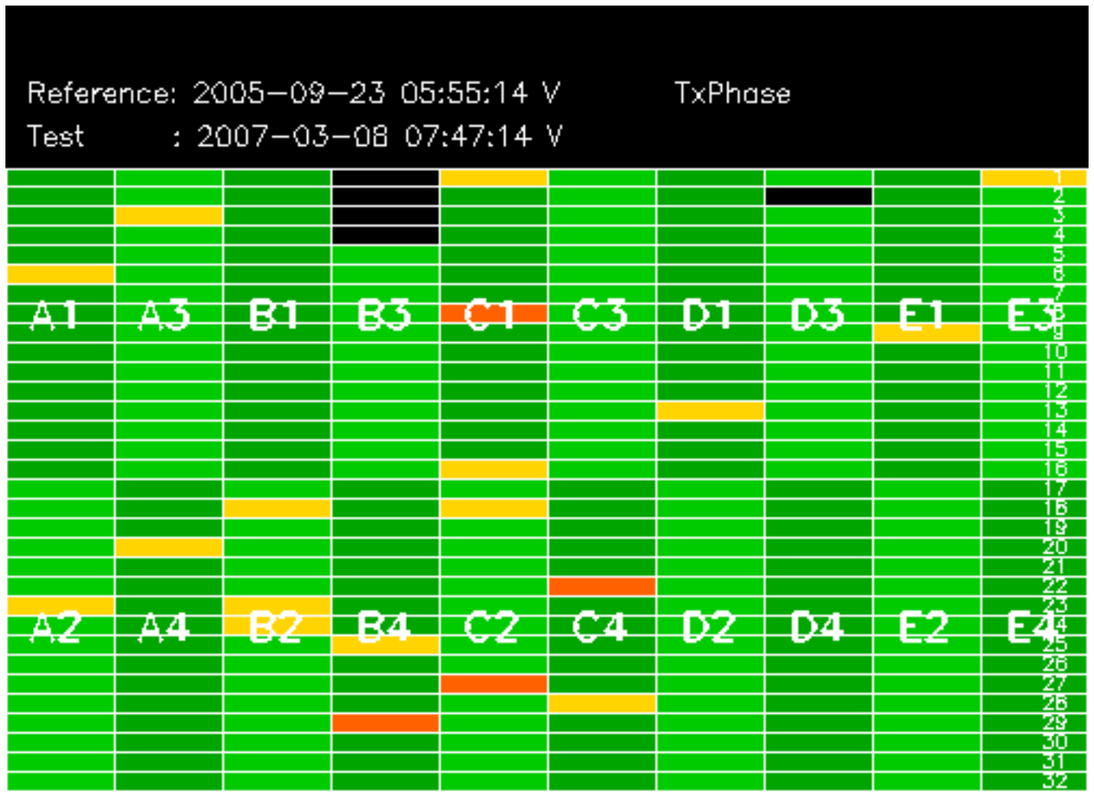
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 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
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12
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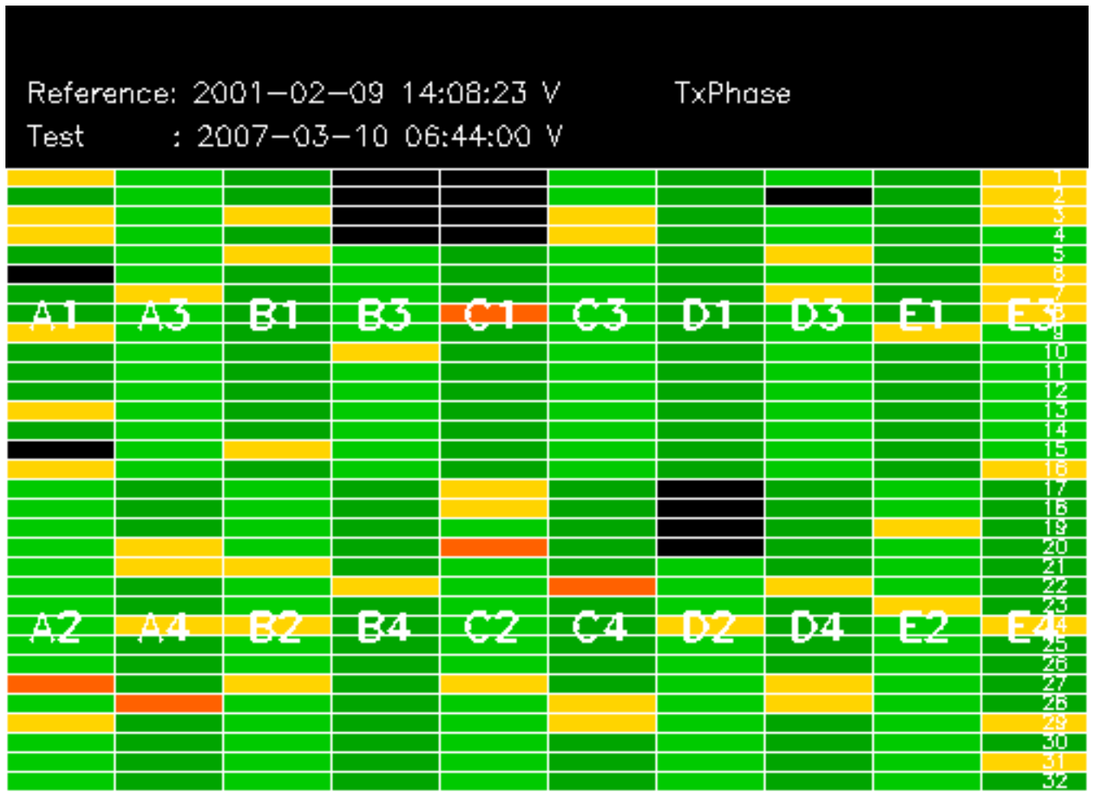
30
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-03-10 06:44:00 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
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9
10
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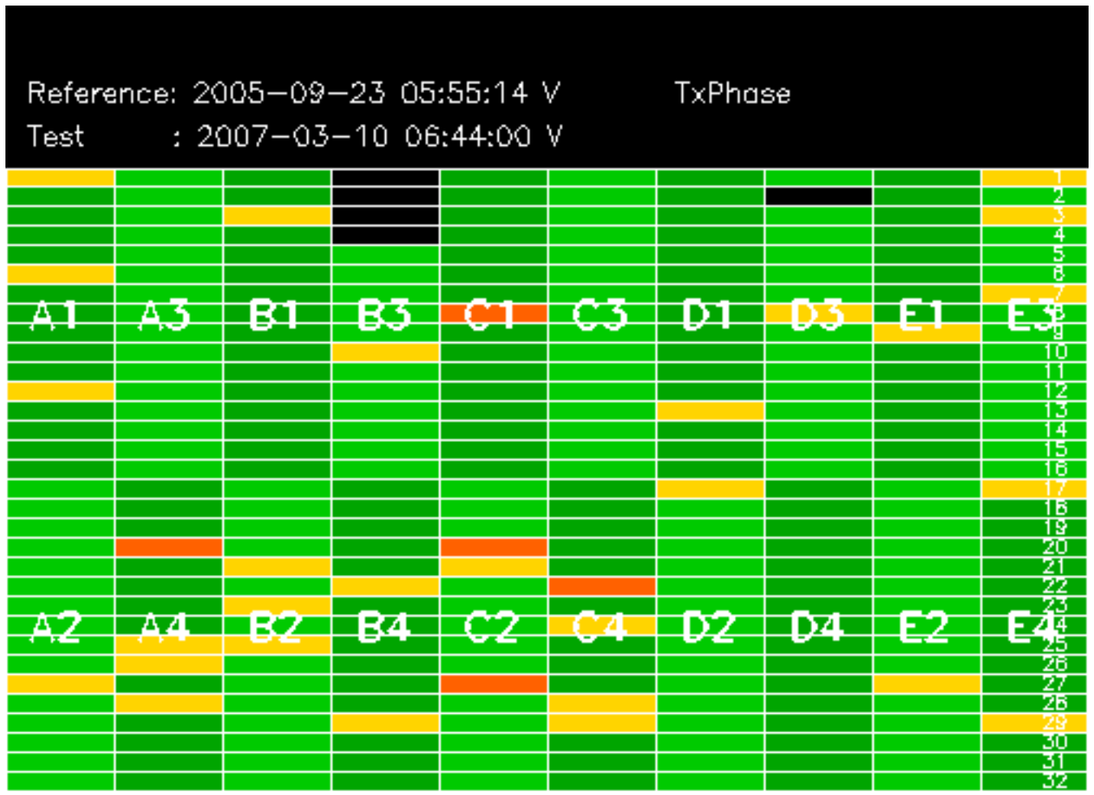
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-10 06:44:00 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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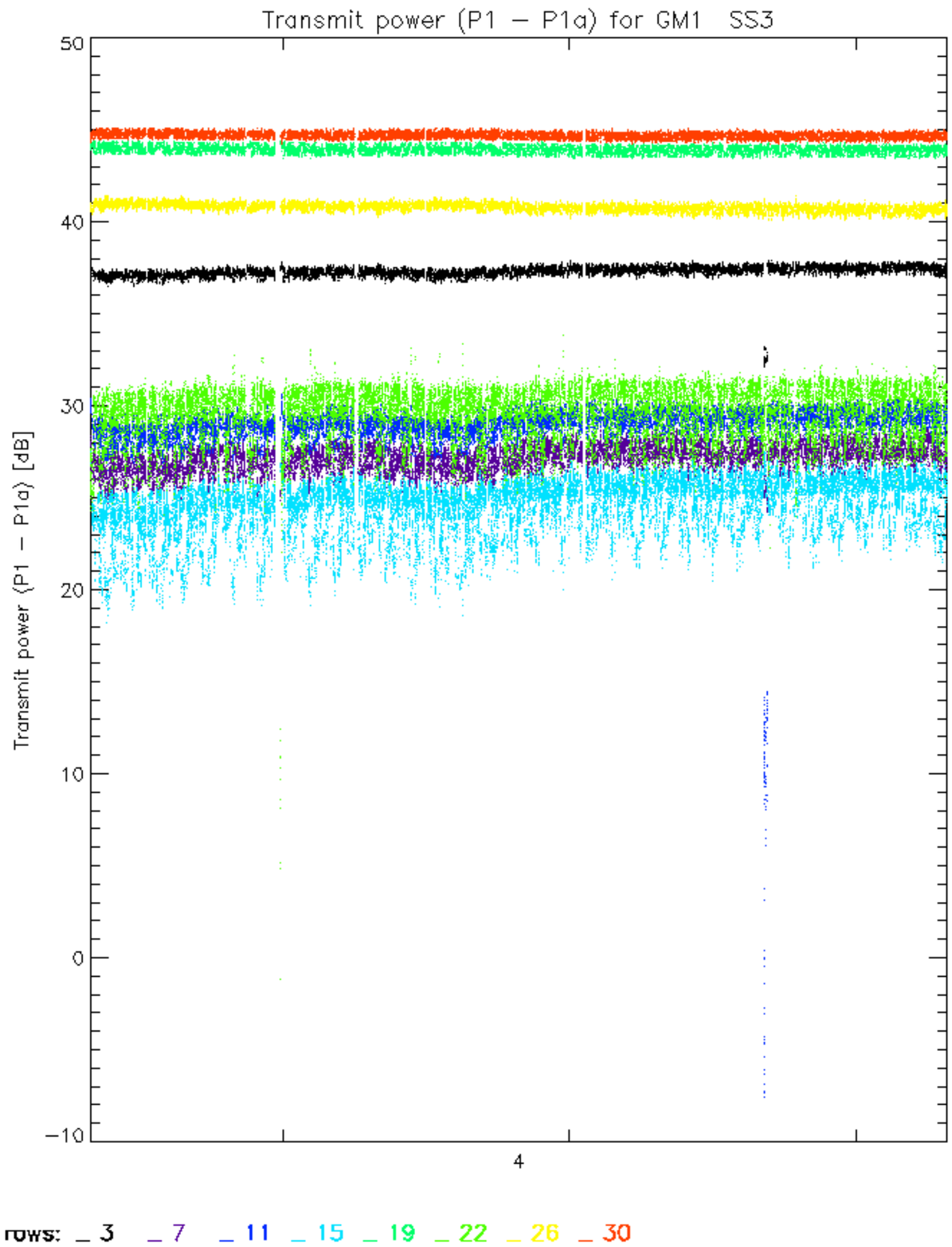
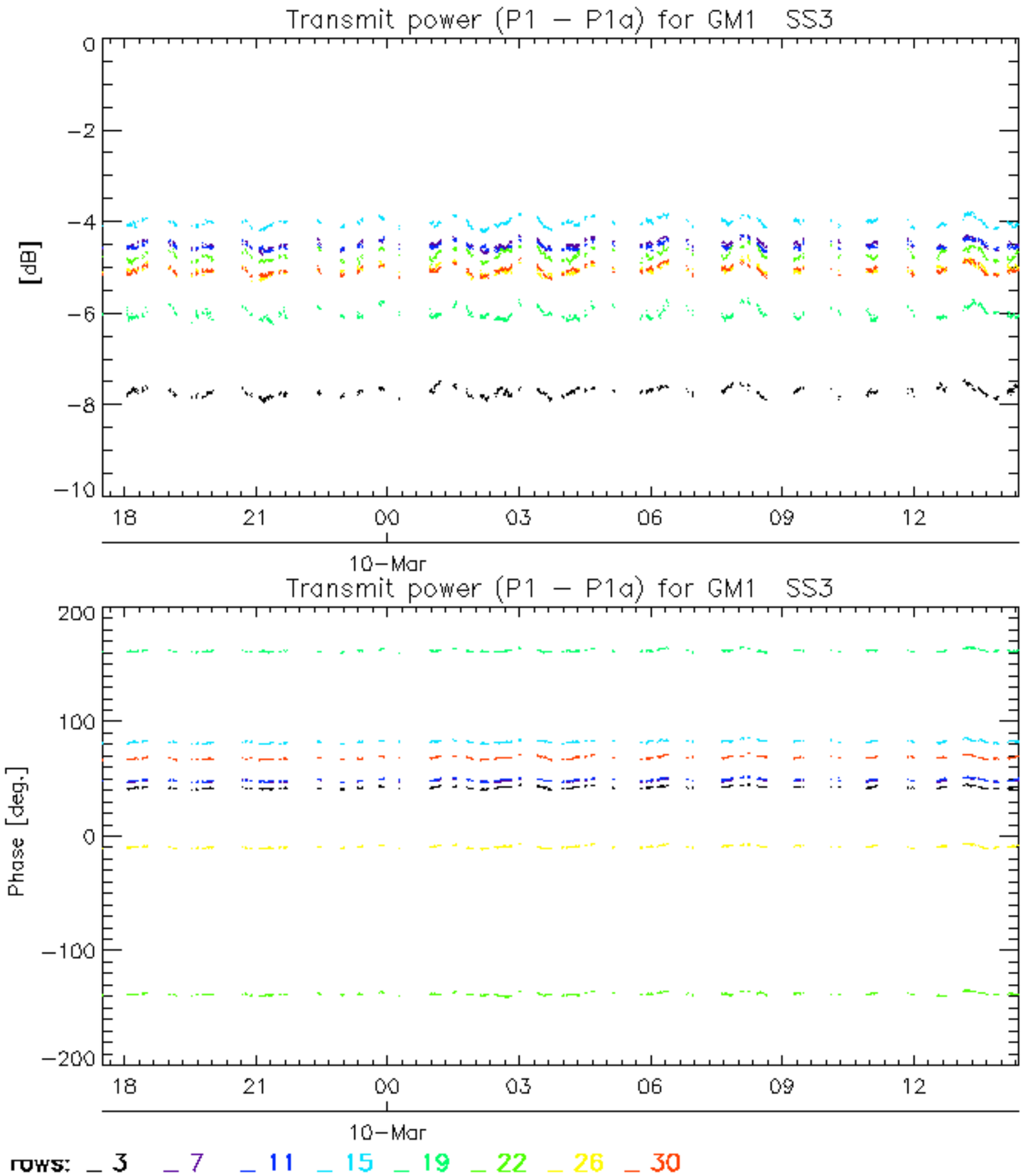
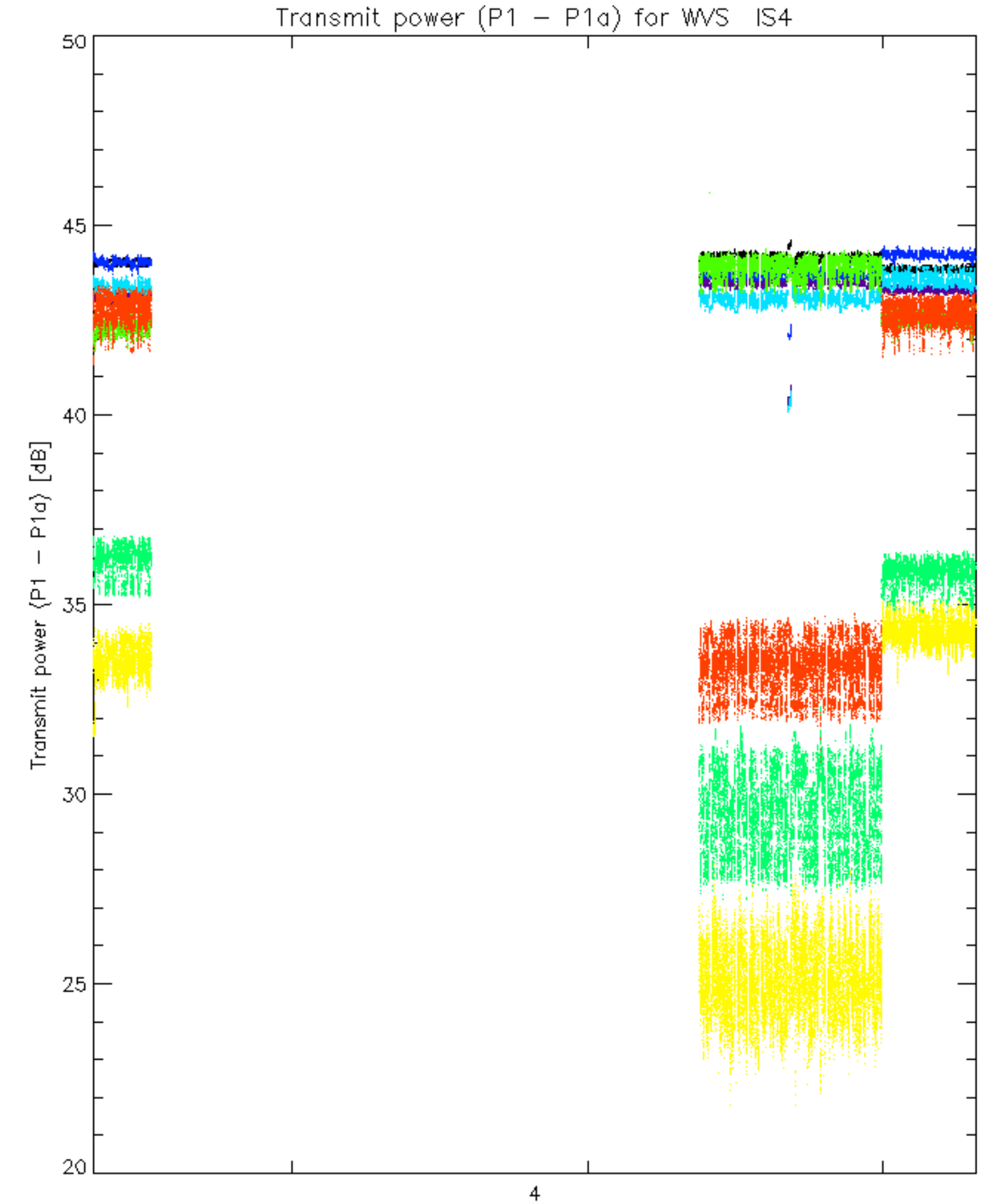
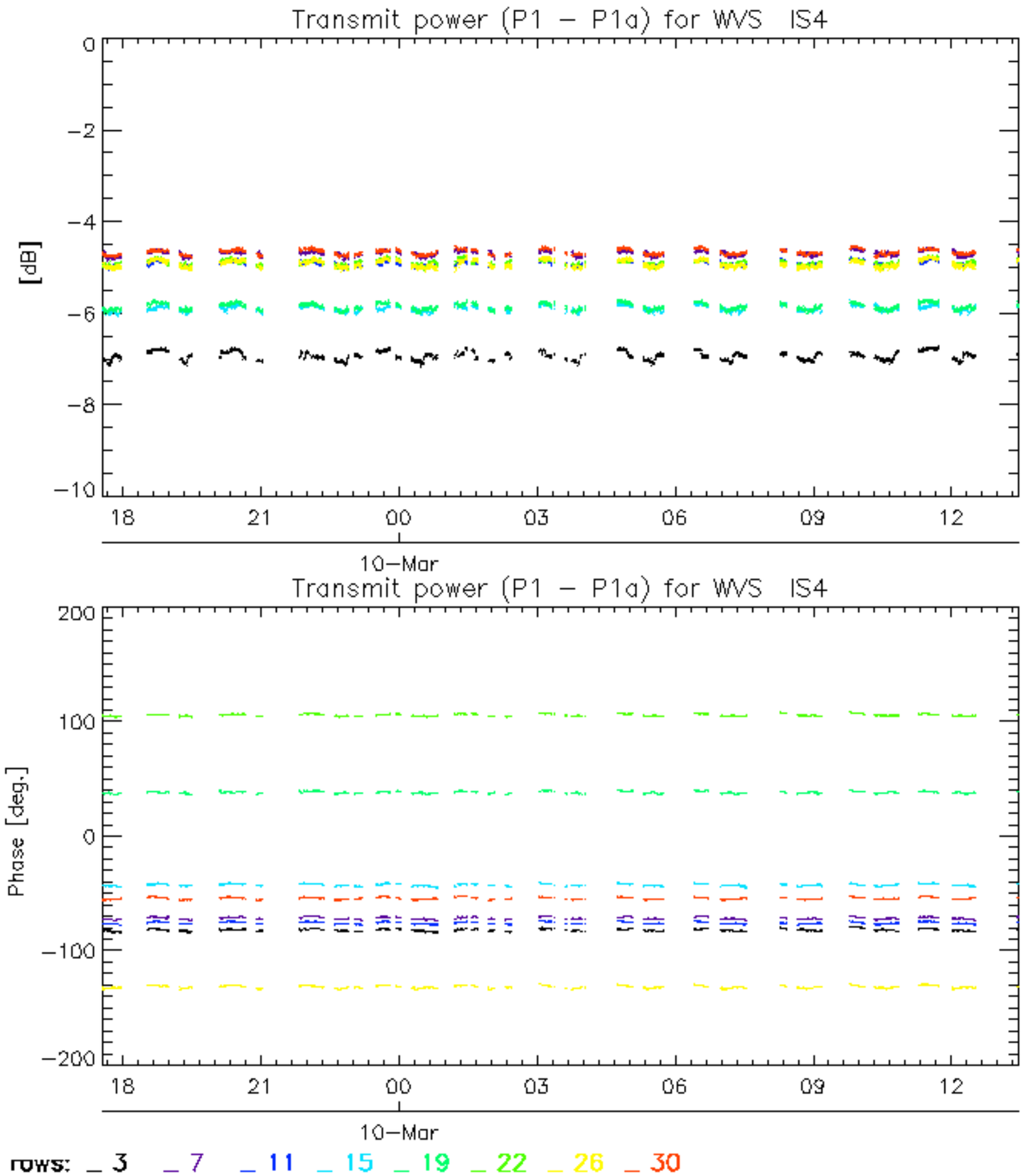

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
4
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
12
10−Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
10−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
4
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
10–Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
10–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.