PRELIMINARY REPORT OF 070313

last update on Tue Mar 13 18:00:26 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 2007-03-12 00:00:00 to 2007-03-13 18:00:26

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	40	71	5	2	36
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	40	71	5	2	36
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	40	71	5	2	36
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	71	5	2	36

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	51	56	35	11	59
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	51	56	35	11	59
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	51	56	35	11	59
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	51	56	35	11	59

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	20070312 054045
H	20070313 050908

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	-10.557517	0.279745	1.616658
7	P1a	-10.183067	0.201639	-0.660493
11	P1a	-10.844659	0.110436	-0.509758
15	P1a	-12.142613	1.700763	-4.699832
19	P1a	-14.707256	1.245189	4.128549
22	P1a	-18.496838	8.247972	10.066863
26	P1a	-15.678532	0.476524	-1.563813
30	P1a	-21.088346	7.918212	-10.363487

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.371257	0.079953	0.439642
7	P1	-2.640322	0.050821	-0.423623
11	P1	-3.379165	0.151371	-1.314254
15	P1	-5.066174	1.534127	-4.512901
19	P1	-3.334746	0.101161	1.122332
22	P1	-5.473556	0.162231	-1.380320
26	P1	-5.104881	0.798780	3.292996
30	P1	-5.492432	0.062395	-0.606292

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.089720	0.082867	-0.213961
7	P2	-21.775036	0.131130	0.850705
11	P2	-10.718801	0.137261	1.016250
15	P2	-5.089486	0.076211	0.150458

19	P2	-7.208131	0.076270	0.161510
22	P2	-8.363838	0.074981	-0.180834
26	P2	-24.107250	0.118272	0.858126
30	P2	-21.635626	0.063242	0.049862

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.223365	0.007562	0.040061
7	P3	-8.223365	0.007562	0.040061
11	P3	-8.223365	0.007562	0.040061
15	P3	-8.223365	0.007562	0.040061
19	P3	-8.223365	0.007562	0.040061
22	P3	-8.223365	0.007562	0.040061
26	P3	-8.223365	0.007562	0.040061
30	P3	-8.223365	0.007562	0.040061

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	-11.075171	0.049451	-0.001836
7	P1a	-10.062168	0.130608	-0.040158
11	P1a	-10.656677	0.063305	-0.064019
15	P1a	-10.917212	0.137160	-0.130541
19	P1a	-15.709558	0.069400	0.088094
22	P1a	-20.864790	1.176624	-0.146556
26	P1a	-15.310493	0.273017	0.235648
30	P1a	-18.390329	0.342301	-0.135345

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)

3	P1	-8.385693	0.038209	-0.058416
7	P1	-2.428766	0.020794	0.014380
11	P1	-2.916062	0.018750	-0.019997
15	P1	-3.835295	0.039312	-0.038184
19	P1	-3.552402	0.011306	0.001829
22	P1	-5.037940	0.023431	-0.024305
26	P1	-5.967118	0.026130	0.050858
30	P1	-5.278343	0.021963	0.019945

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.094334	0.033219	0.015067
7	P2	-21.952477	0.056361	0.067287
11	P2	-10.644217	0.031338	0.052029
15	P2	-4.815585	0.027751	0.005688
19	P2	-6.805999	0.030152	0.021113
22	P2	-8.091734	0.033511	0.085162
26	P2	-24.267914	0.036850	-0.053517
30	P2	-21.739904	0.038506	0.074988

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.045432	0.003787	-0.016550
7	P3	-8.045448	0.003792	-0.016351
11	P3	-8.045581	0.003791	-0.016551
15	P3	-8.045510	0.003810	-0.016759
19	P3	-8.045495	0.003788	-0.016590
22	P3	-8.045514	0.003791	-0.016496
26	P3	-8.045373	0.003788	-0.016473
30	P3	-8.045483	0.003800	-0.016511

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	0.000634919
	stdev	2.58933e-07
MEAN Q	mean	0.000353312
	stdev	2.74415e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.106615
	stdev	0.00244669
STDEV Q	mean	0.106611
	stdev	0.00250347

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007031[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines

ASA_IMM_1PNPDE20070311_004054_000000622056_00174_26280_8589.N1	1	0
ASA_WSM_1PNPDE20070311_151024_000002872056_00183_26289_9475.N1	0	52
ASA_WSM_1PNPDE20070312_033052_000001472056_00190_26296_0216.N1	0	1
ASA_WSM_1PNPDE20070313_112859_000001282056_00209_26315_0052.N1	0	47
ASA_WSM_1PNPDK20070311_220425_000001762056_00187_26293_4171.N1	0	10
ASA_WSM_1PNPDK20070311_235015_000001842056_00188_26294_4185.N1	0	4
ASA_APM_1PNPDE20070311_032625_000000402056_00176_26282_8971.N1	13	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

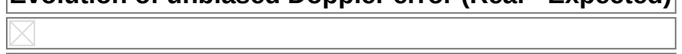
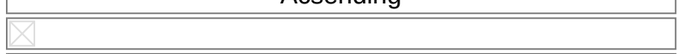
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

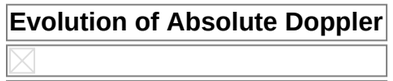
7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

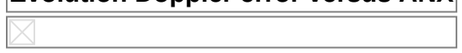
Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

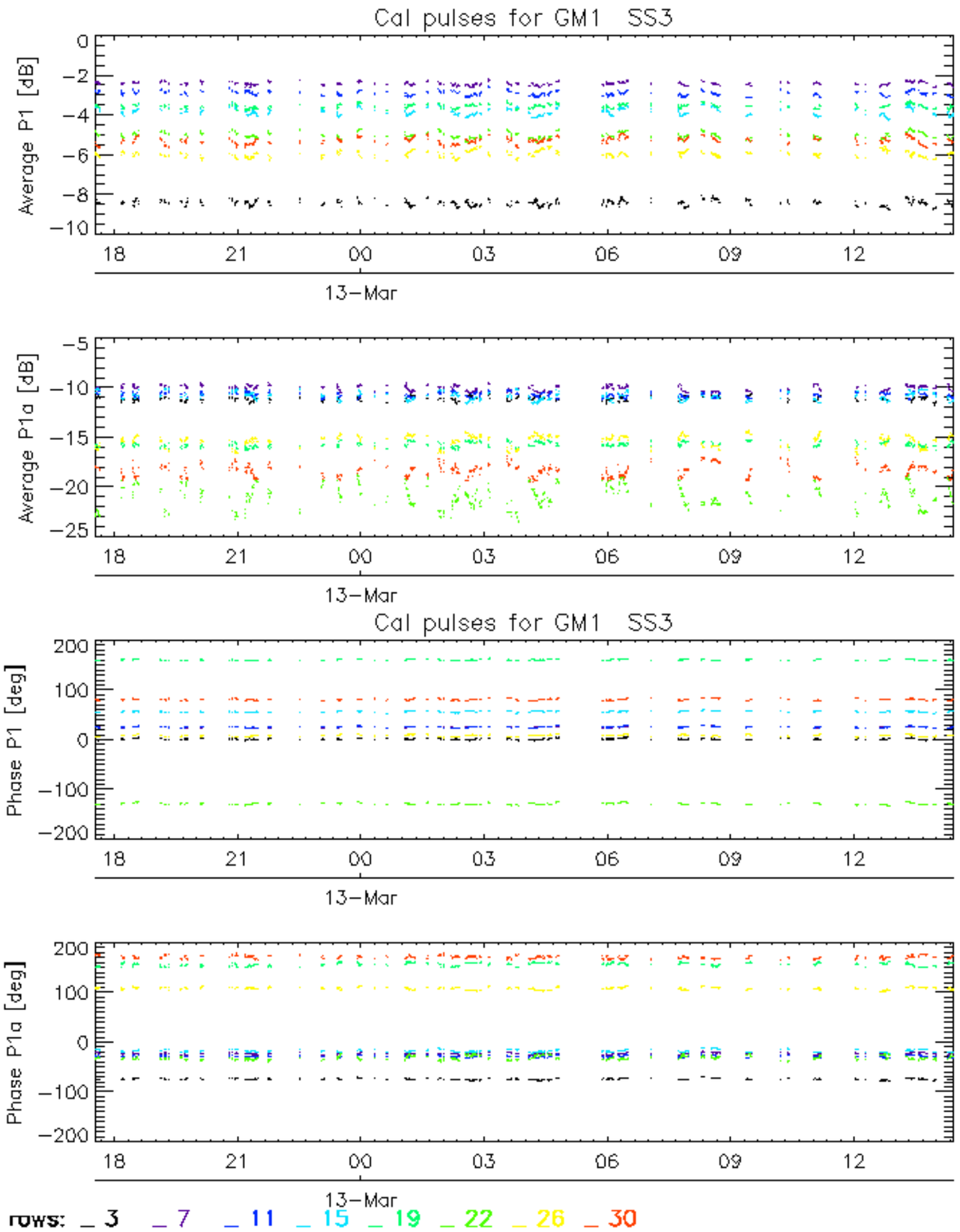
7.5 - Absolute Doppler for GM1

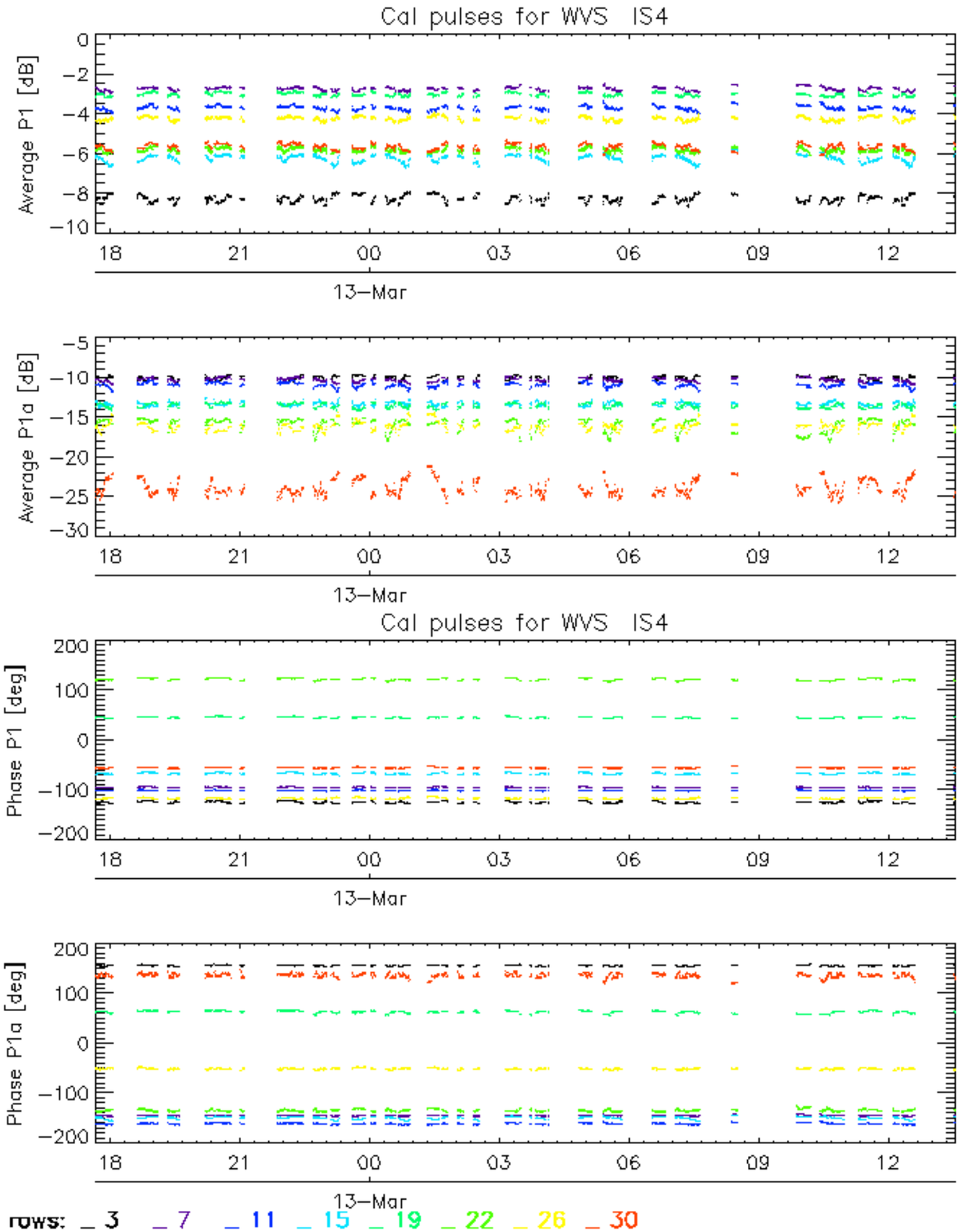
Evolution of Absolute Doppler

Acsending

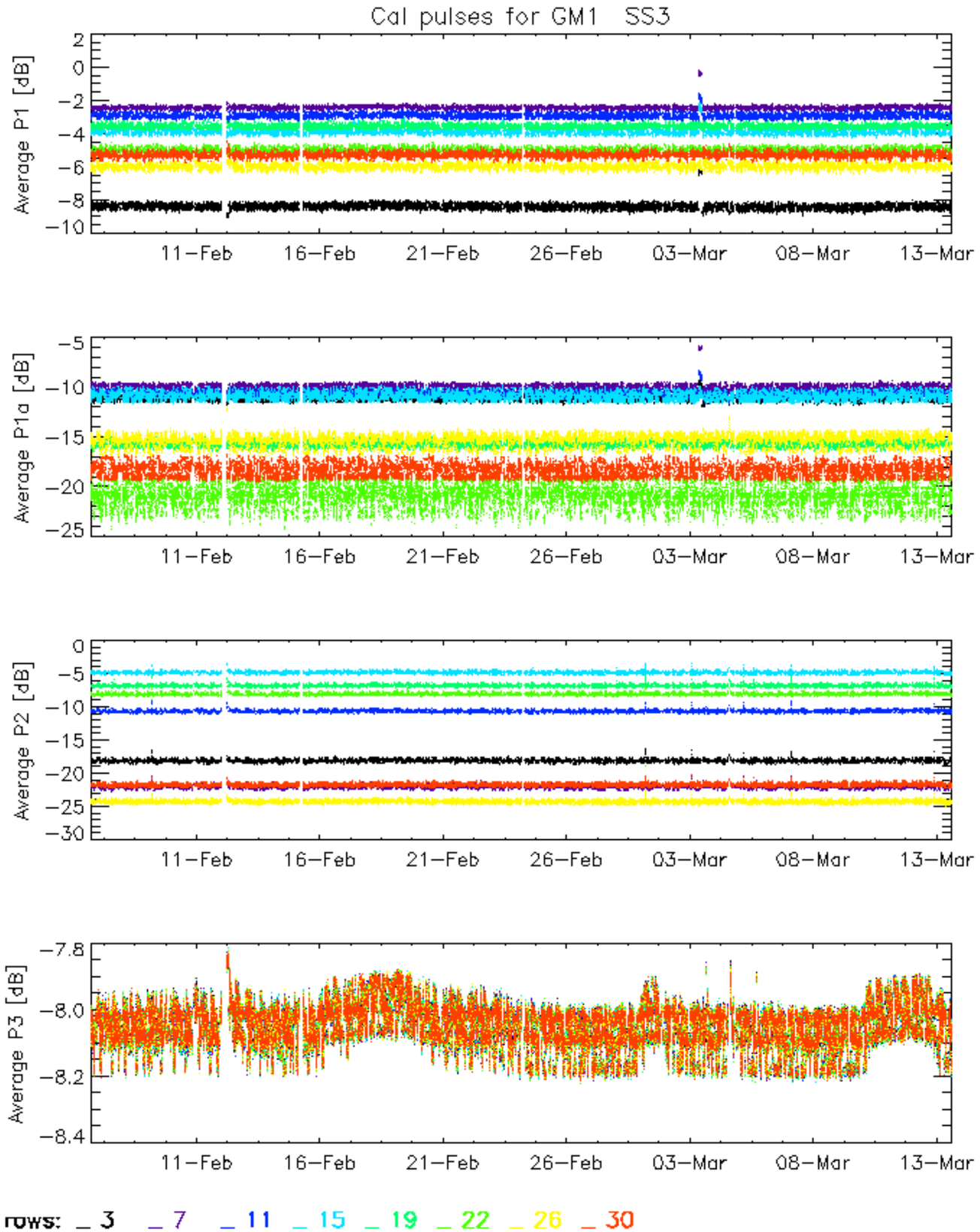
Descending

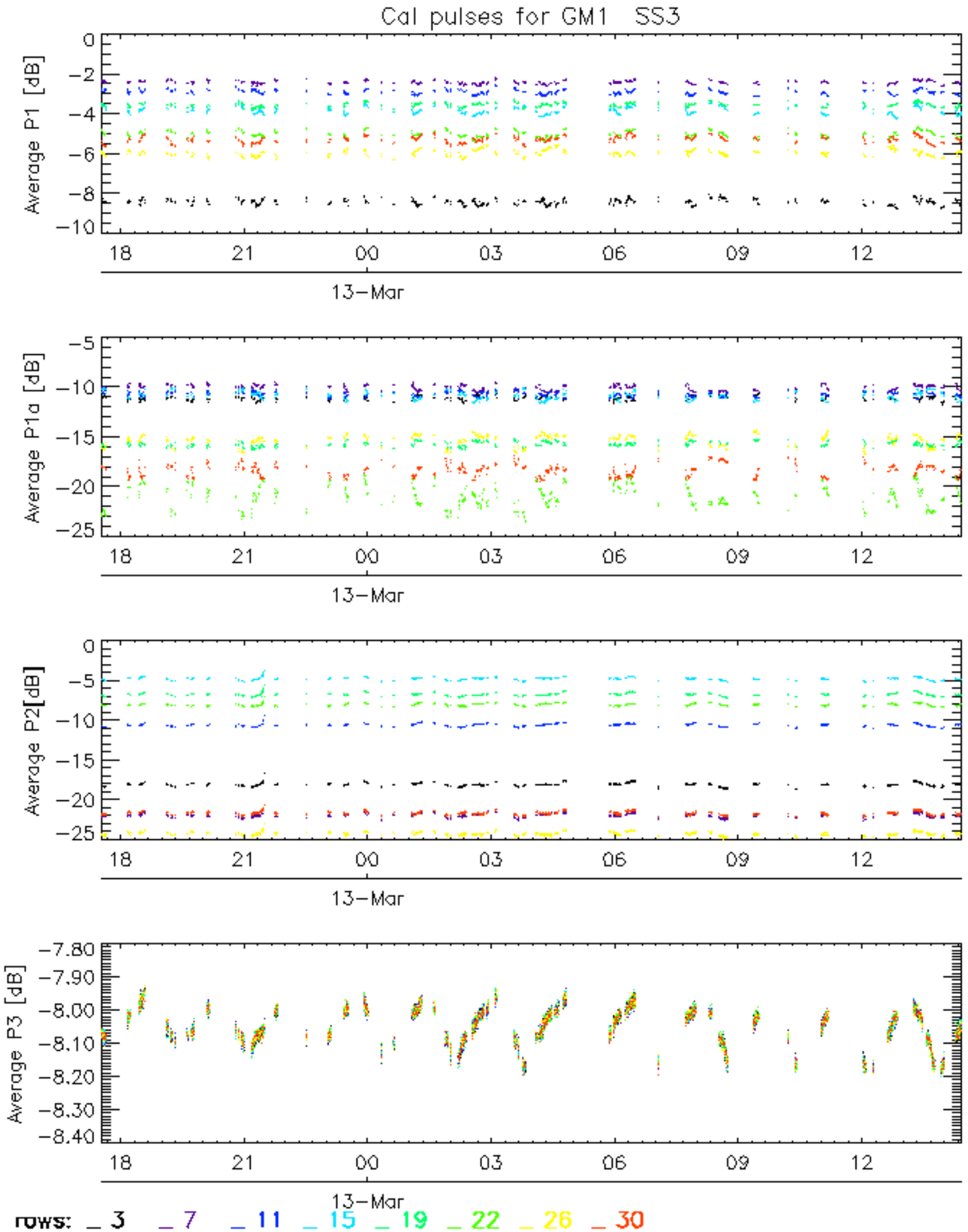
7.6 - Doppler evolution versus ANX for GM1

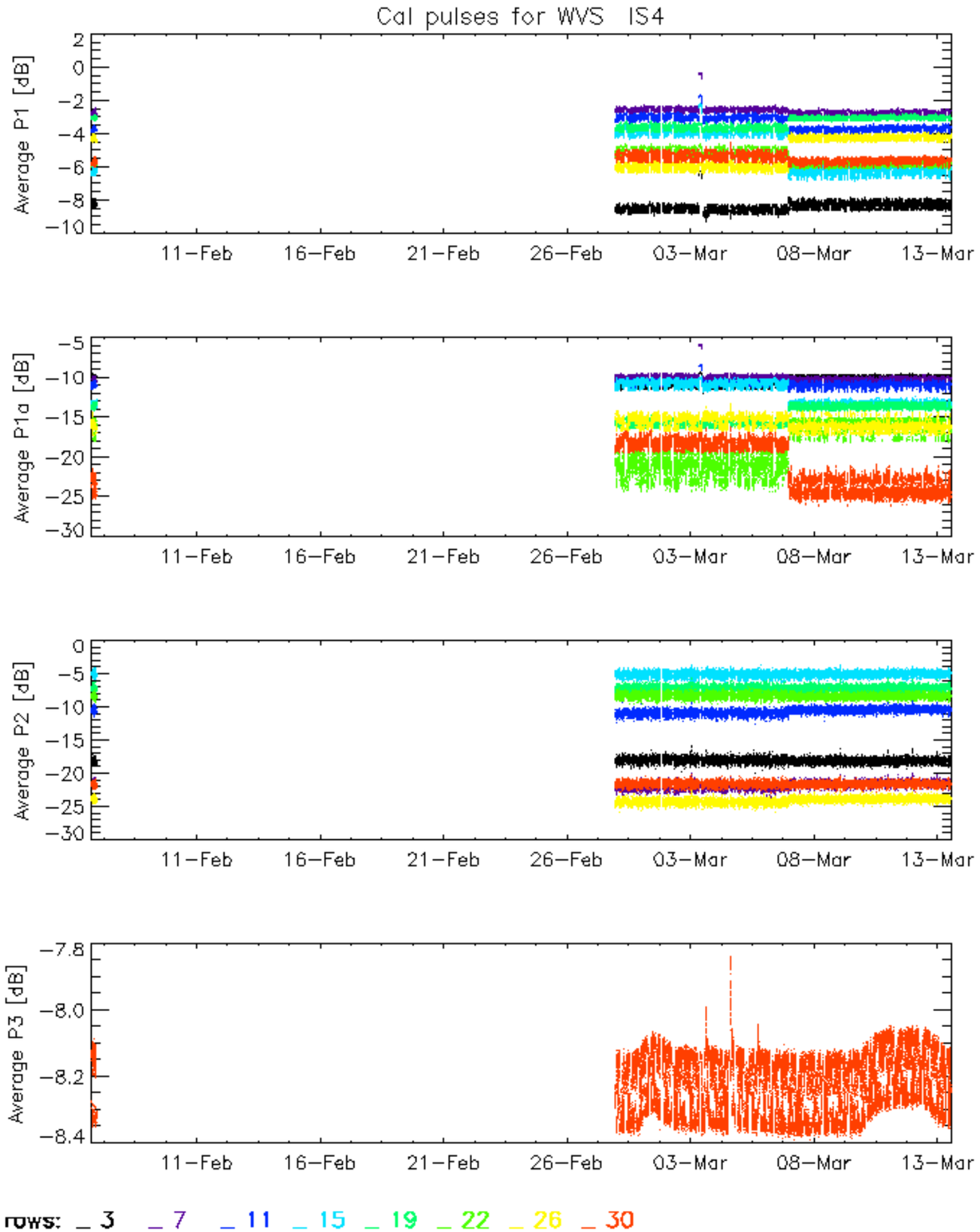
Evolution Doppler error versus ANX


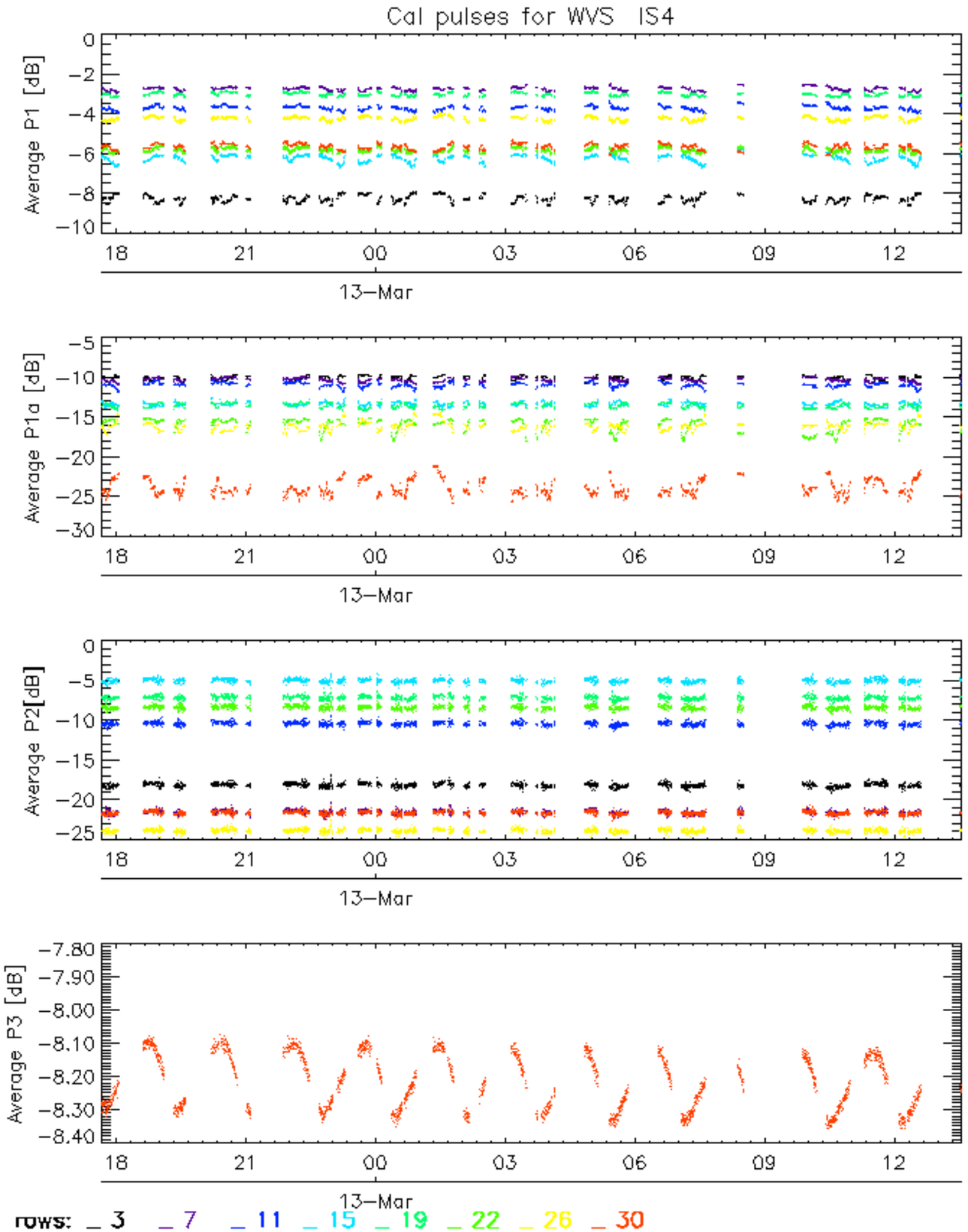

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
13−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
13−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
13−Mar
rows: 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
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
12
13−Mar
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
13−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−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

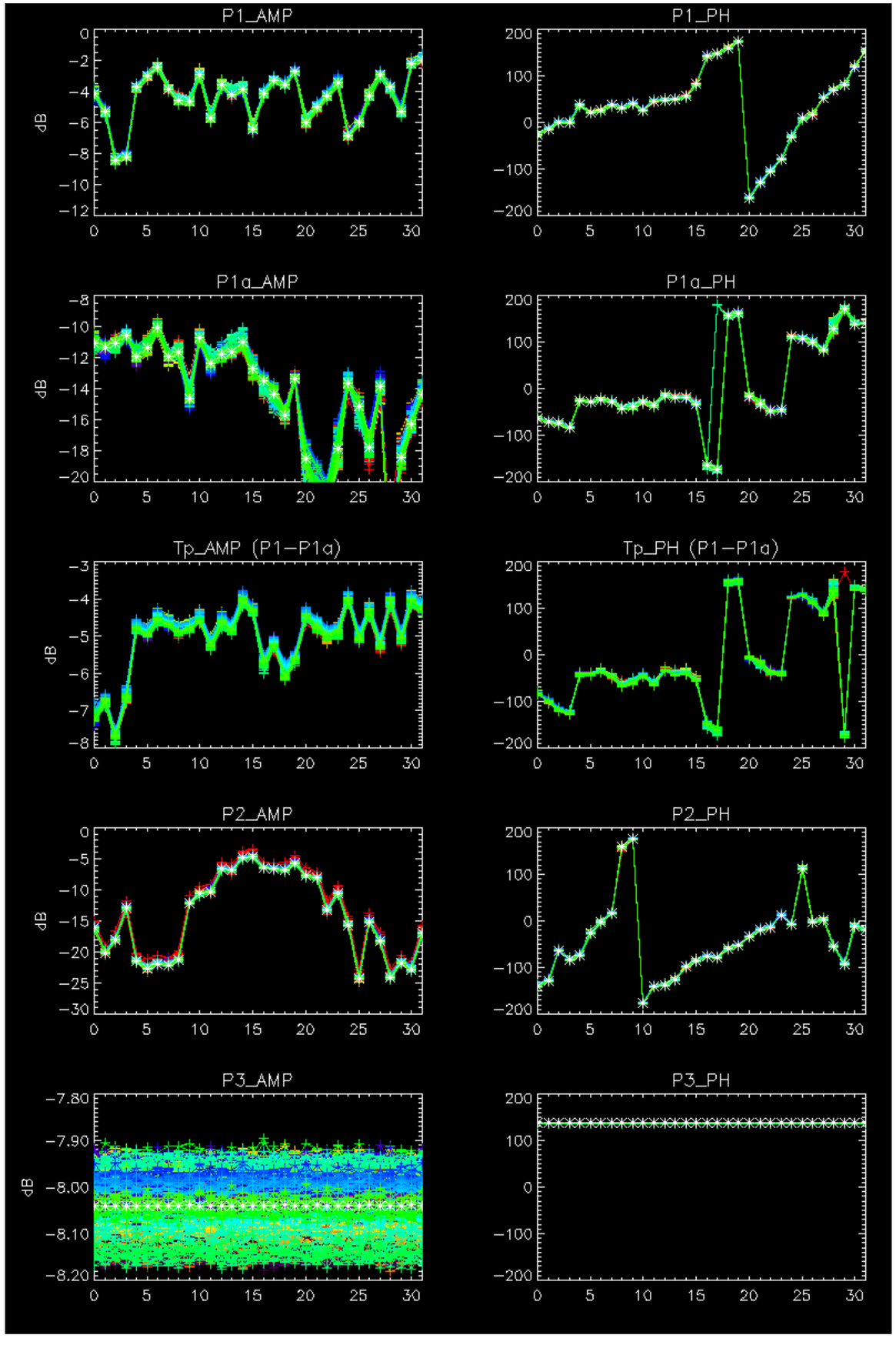

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
13−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
13−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
13−Mar
rows: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

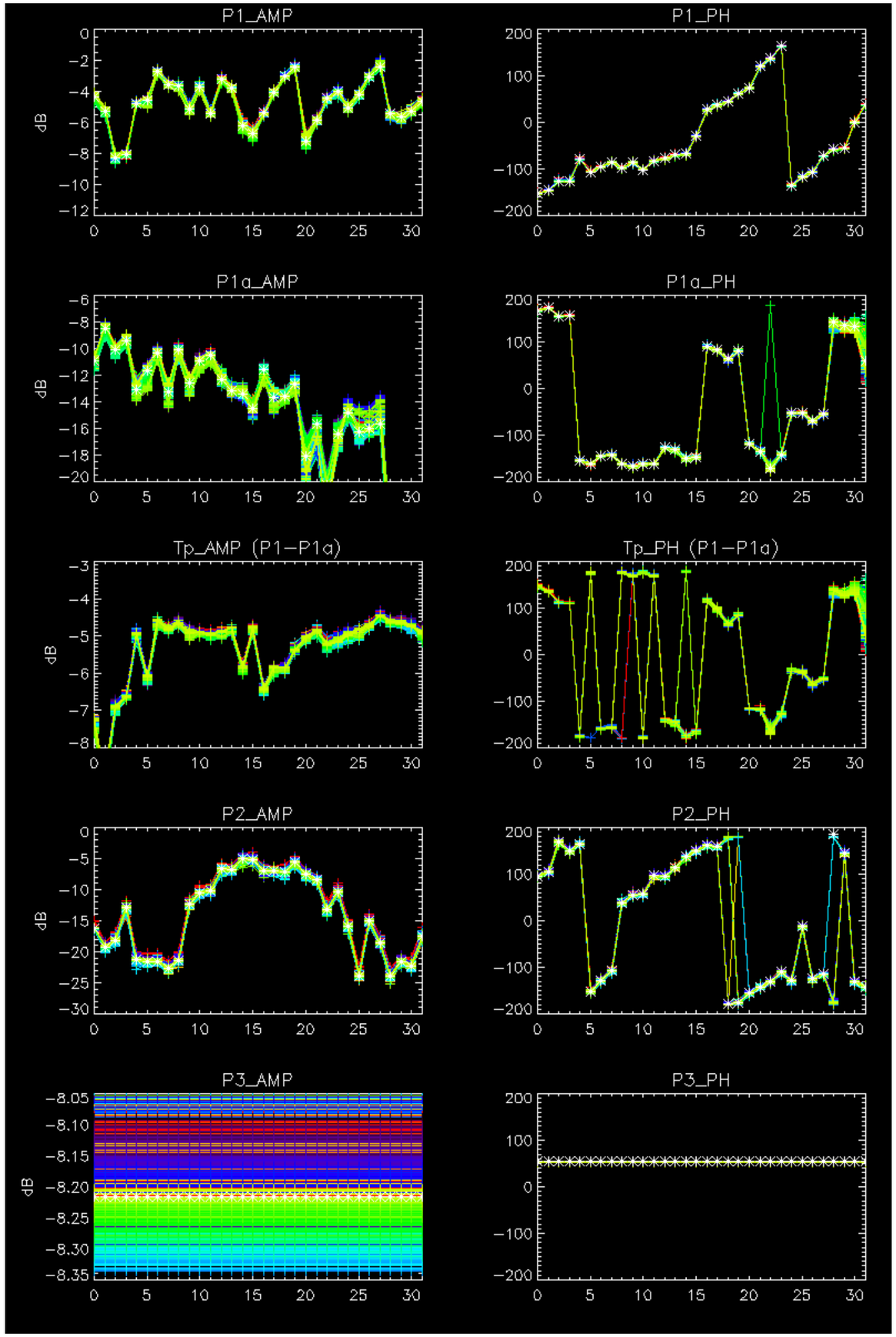

Cal pulses for WVS IS4
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
12
13−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
13−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
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

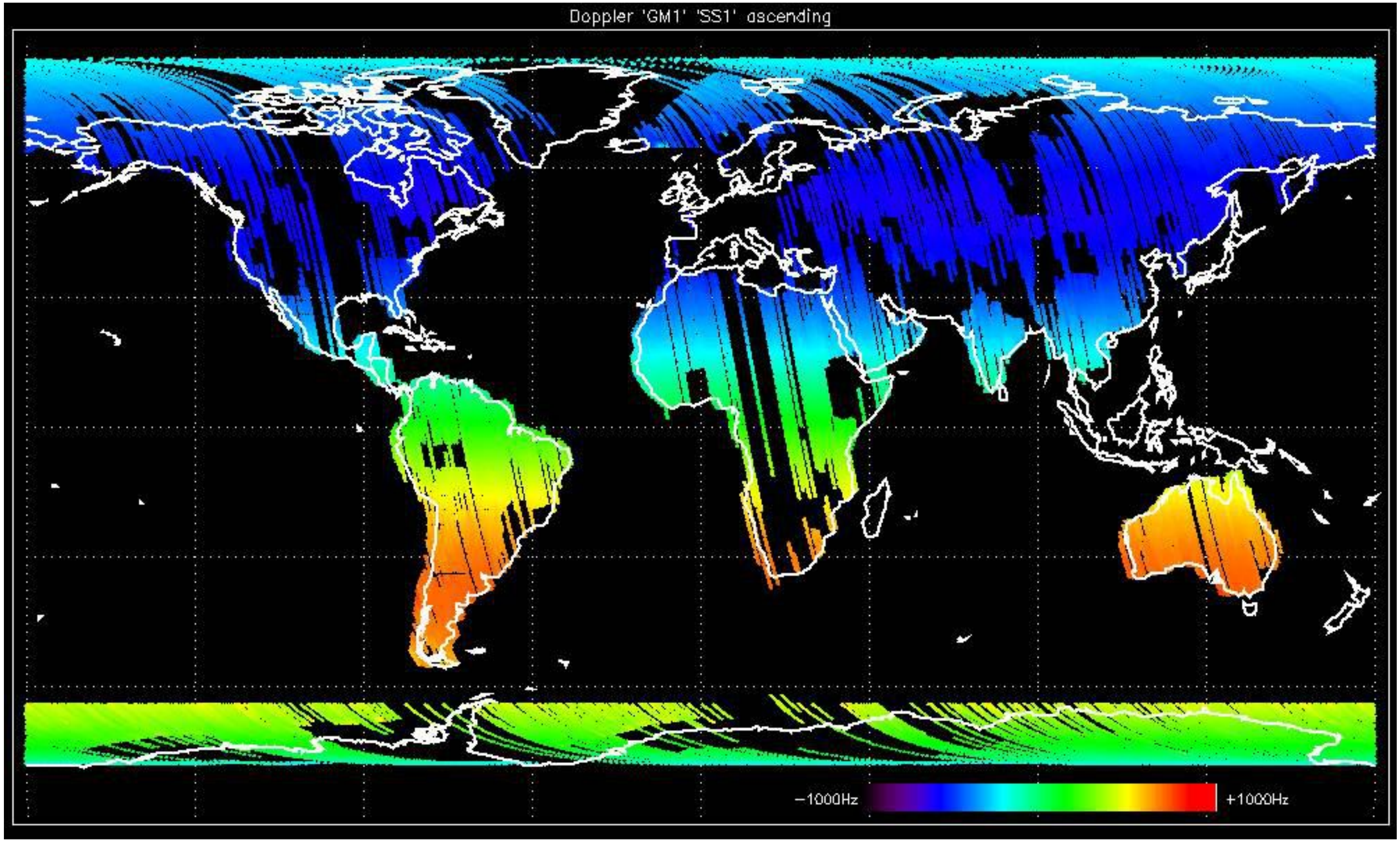
No anomalies observed.

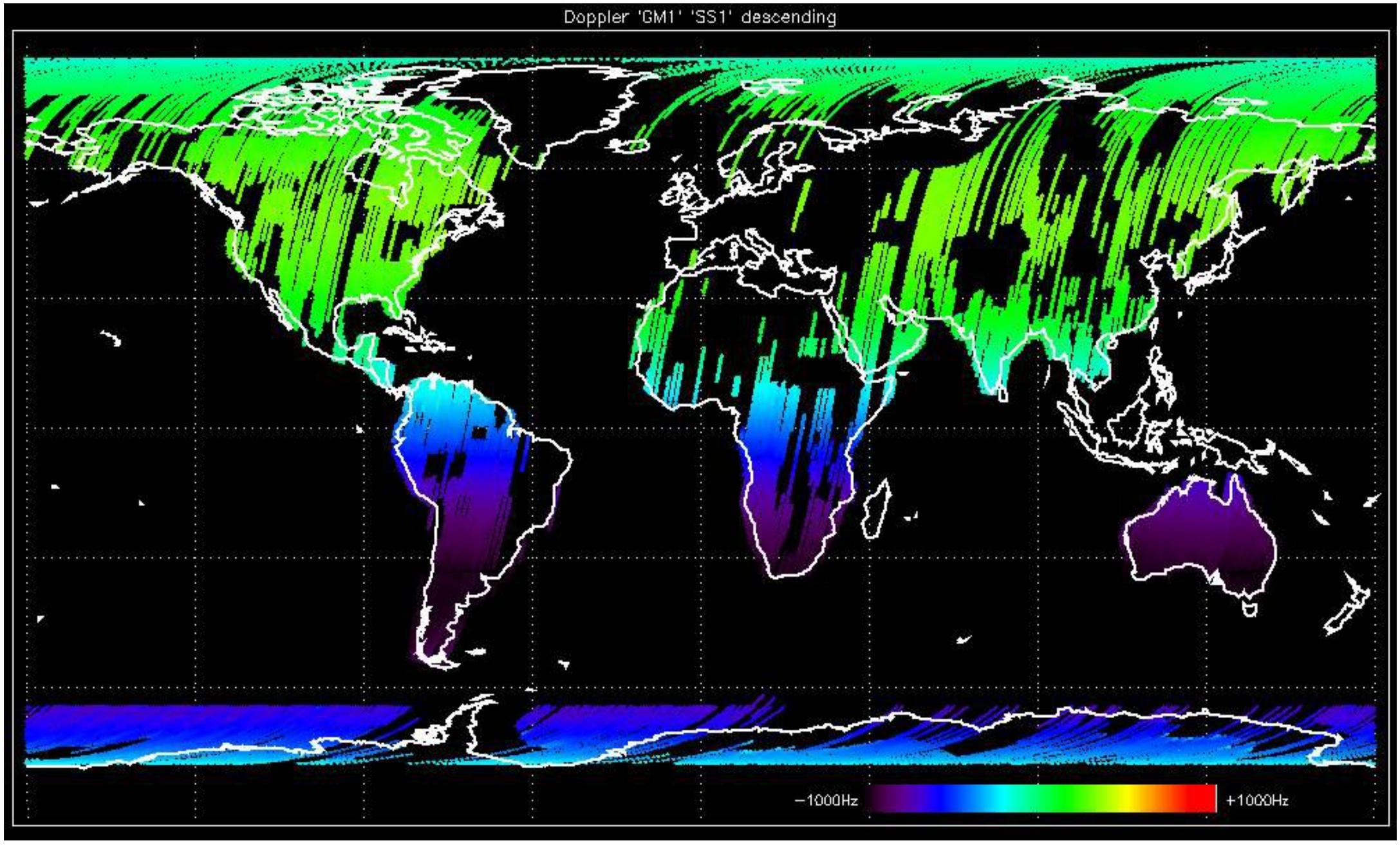

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

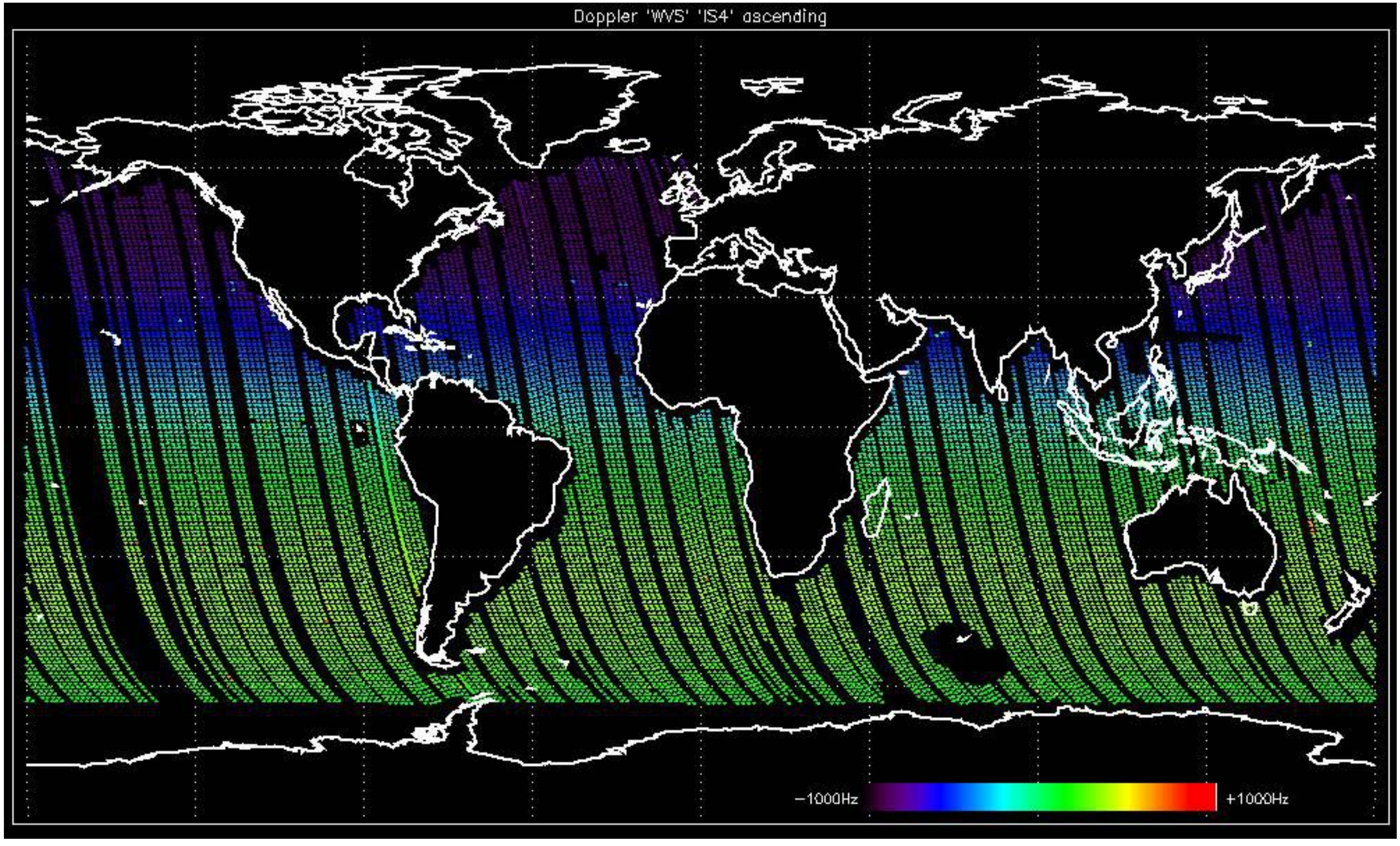

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

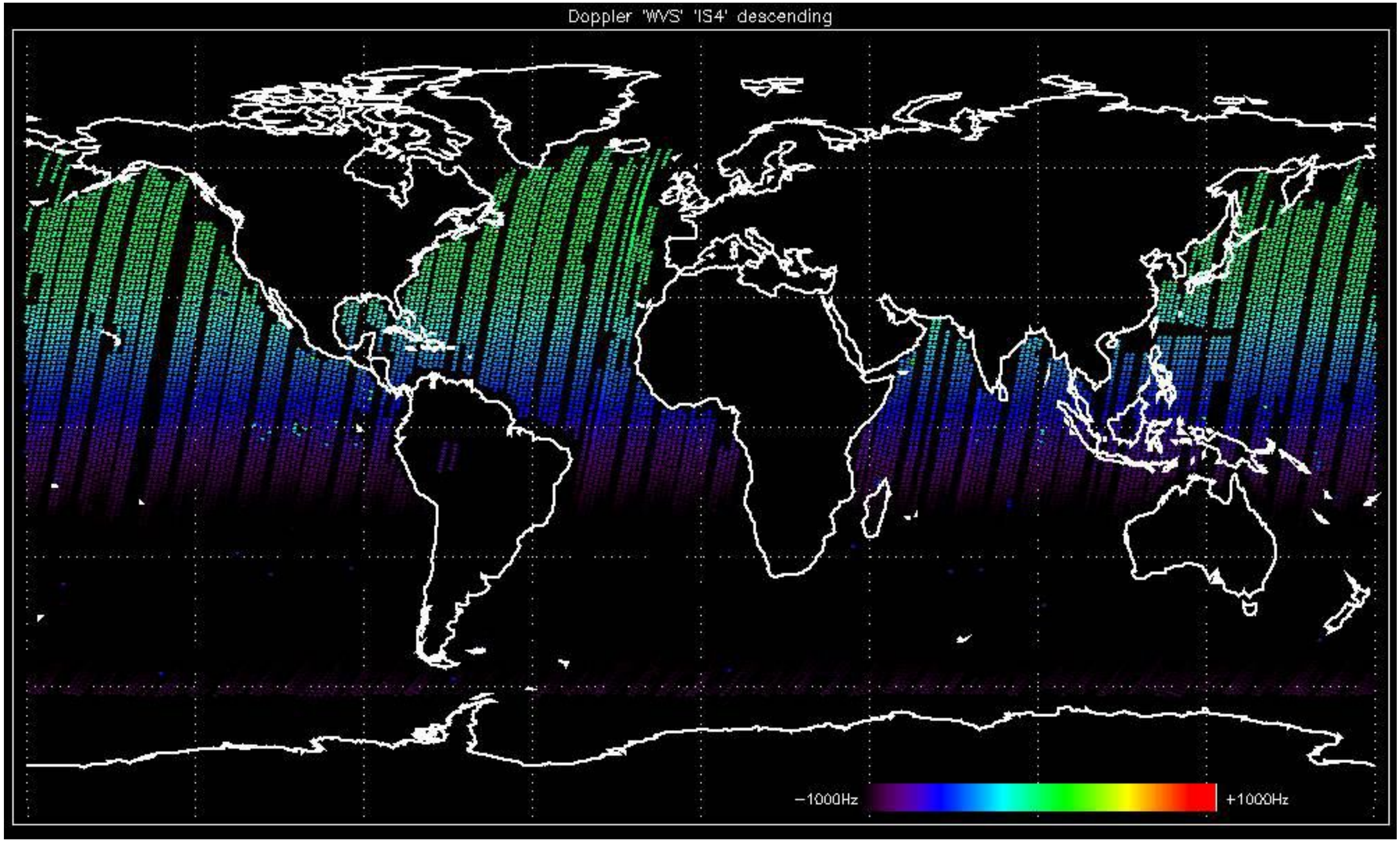
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

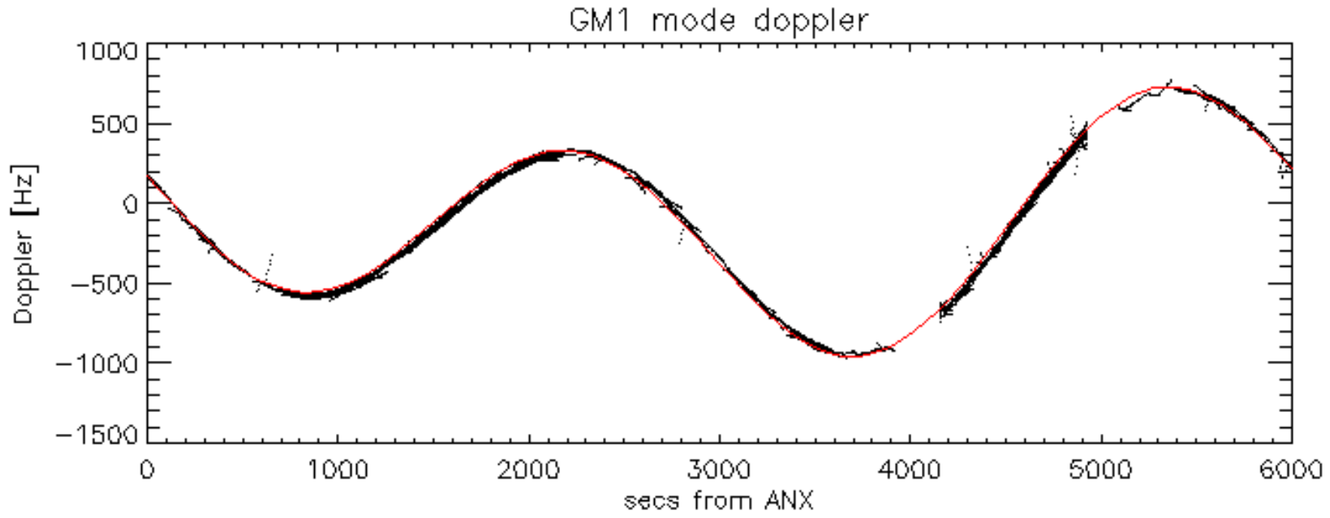
Preliminary report.The data is not yet controled

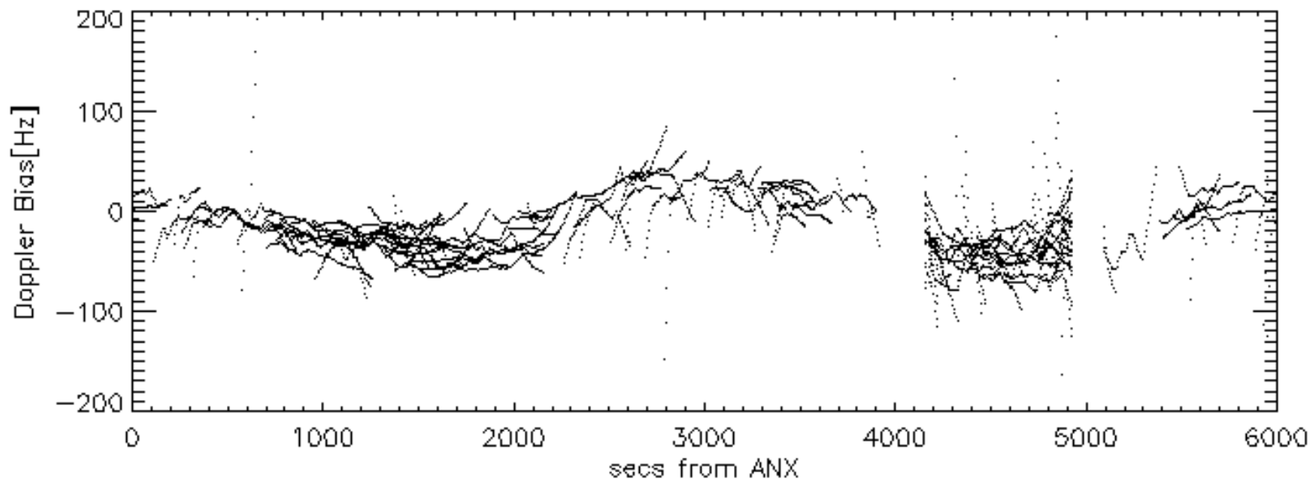

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

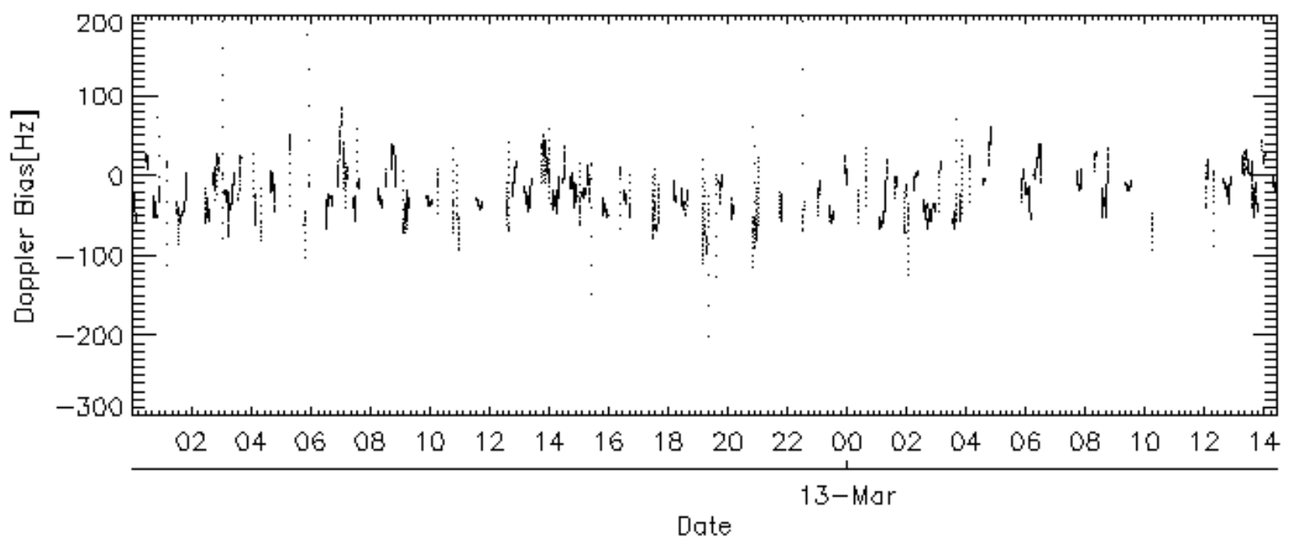

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

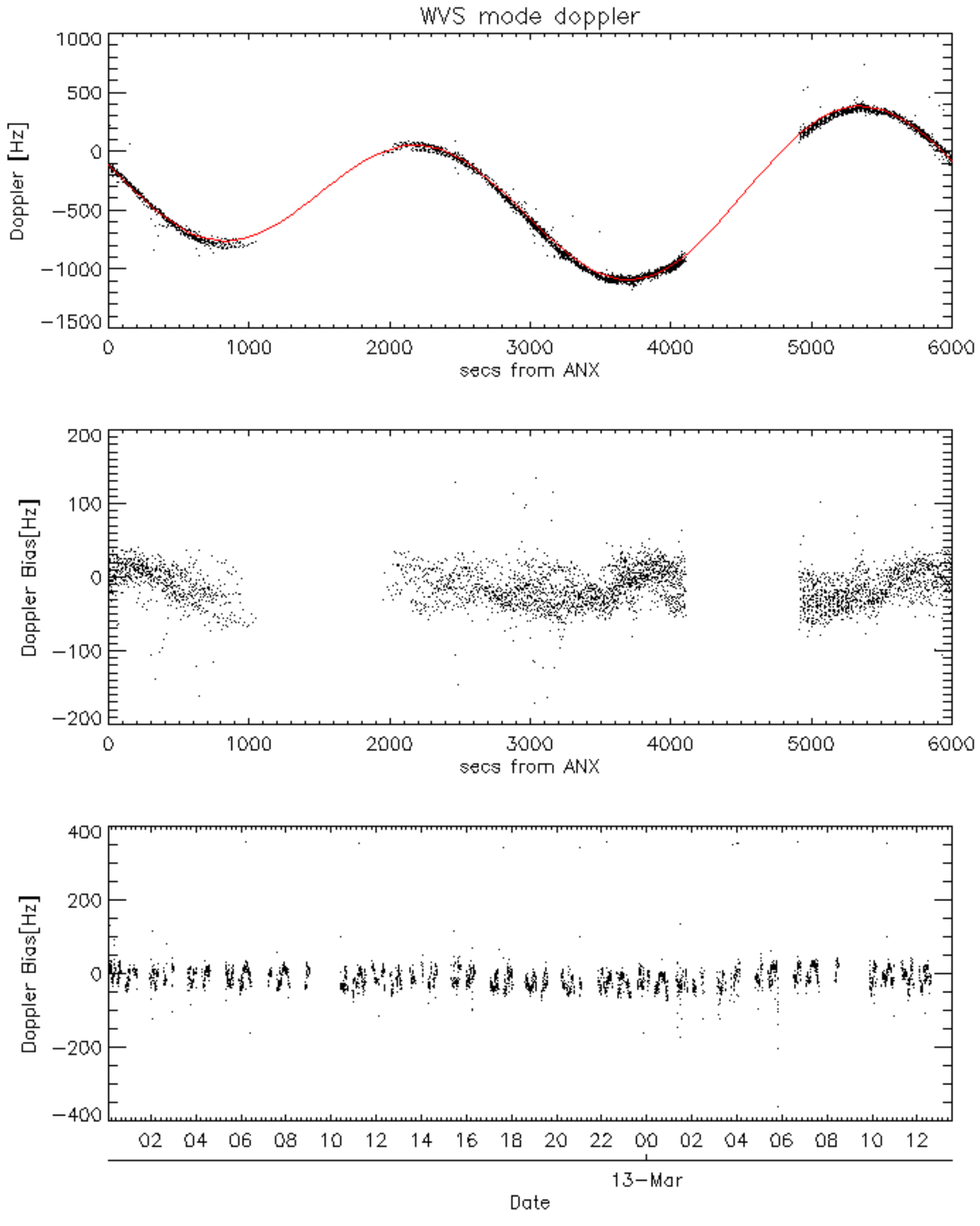

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

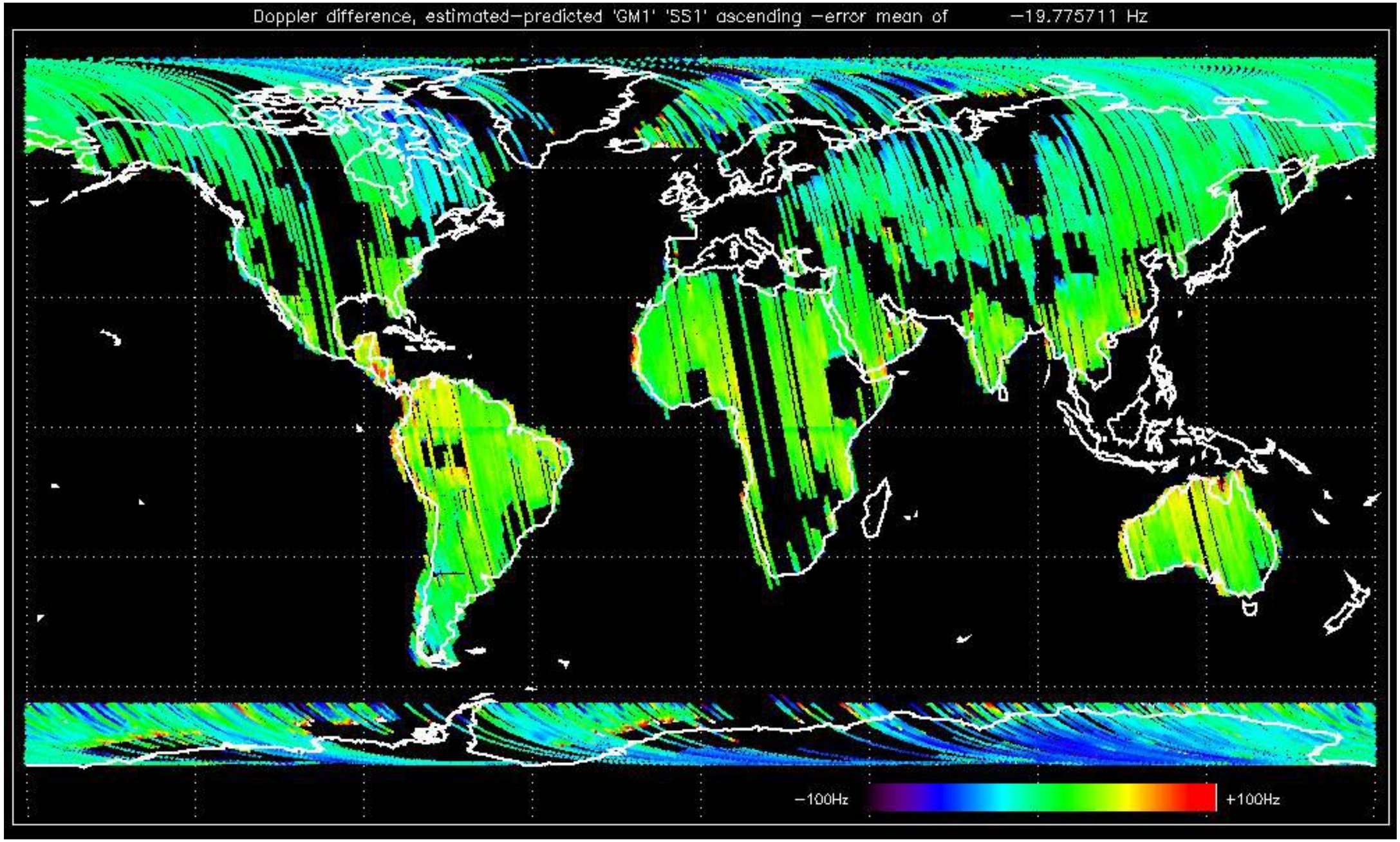

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

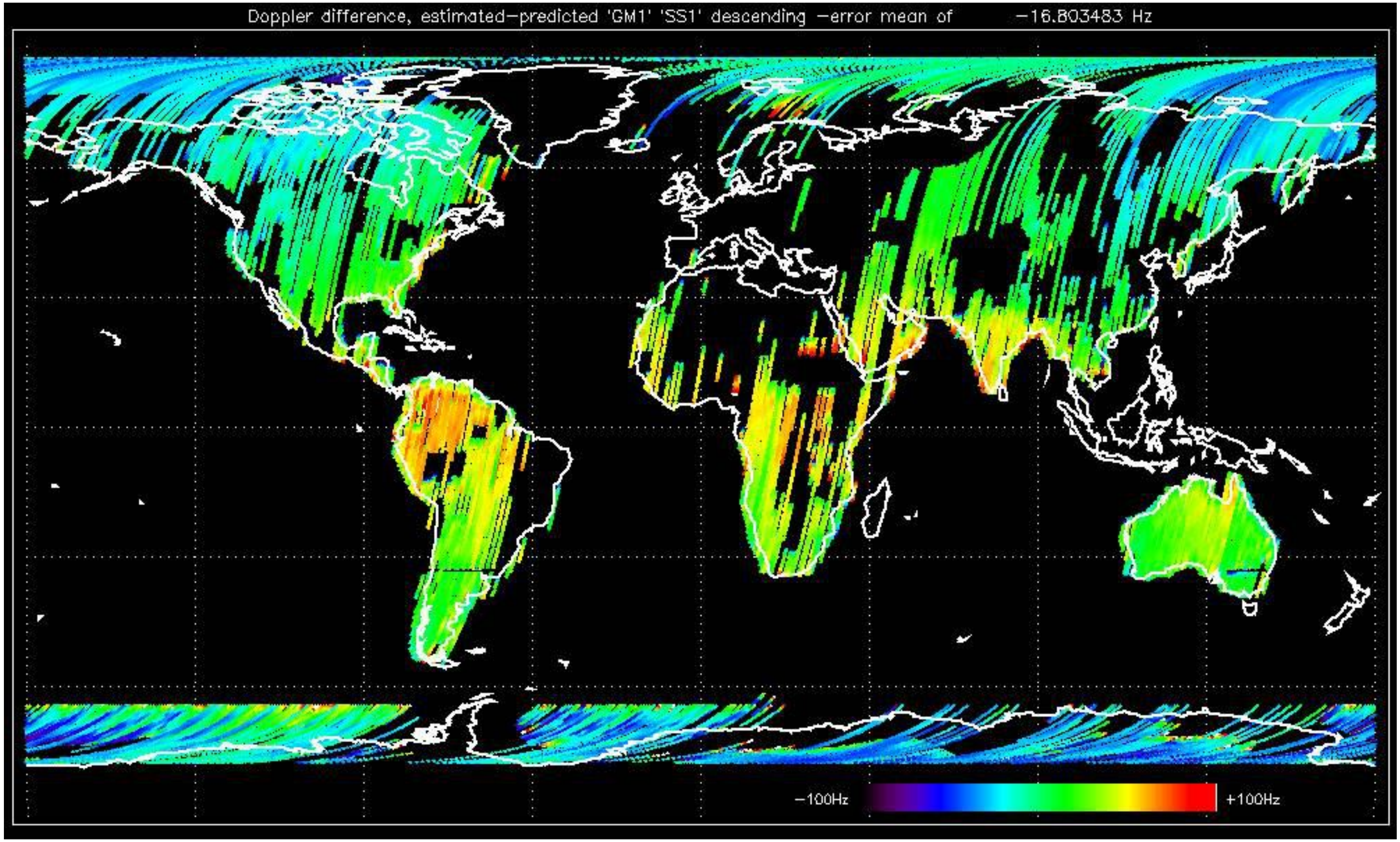

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

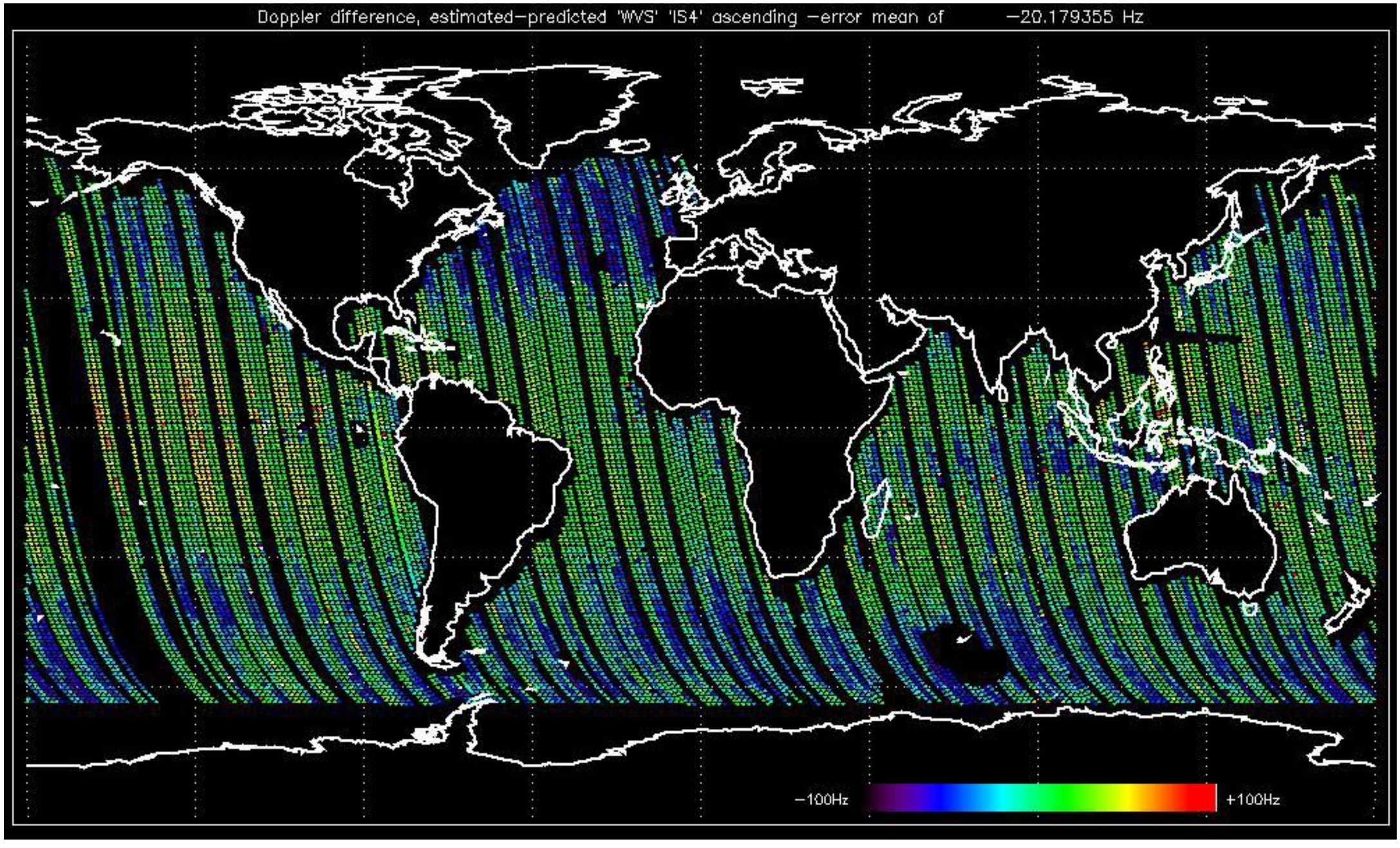

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

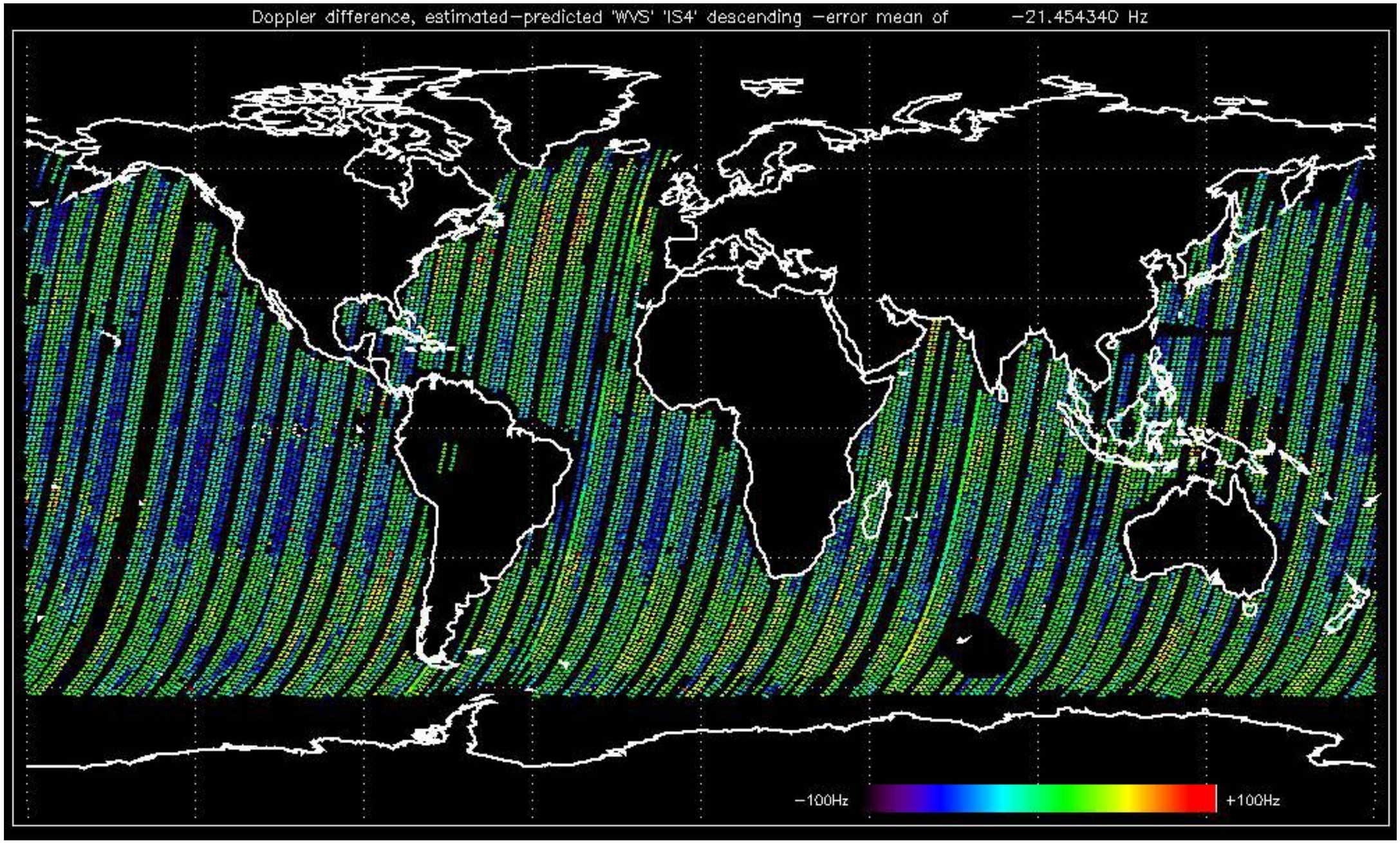

Doppler Bias[Hz]
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
13−Mar
Date


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.775711 Hz
−100Hz
+100Hz

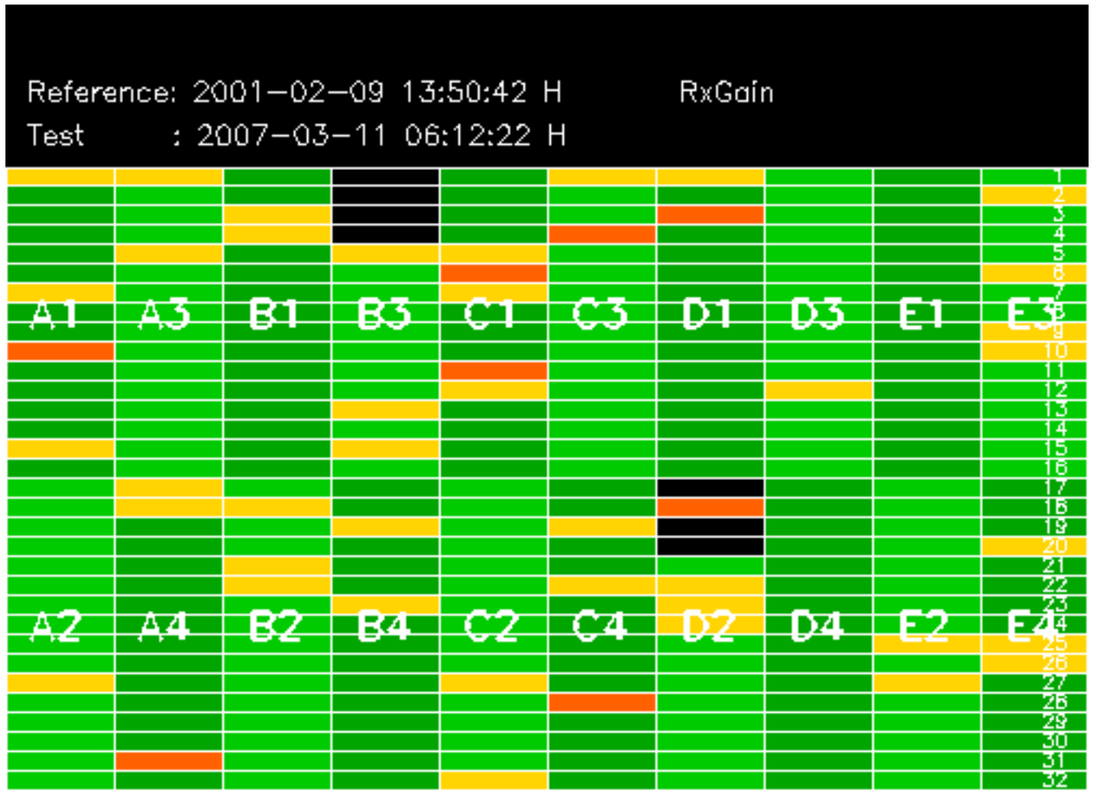

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.803483 Hz
−100Hz
+100Hz

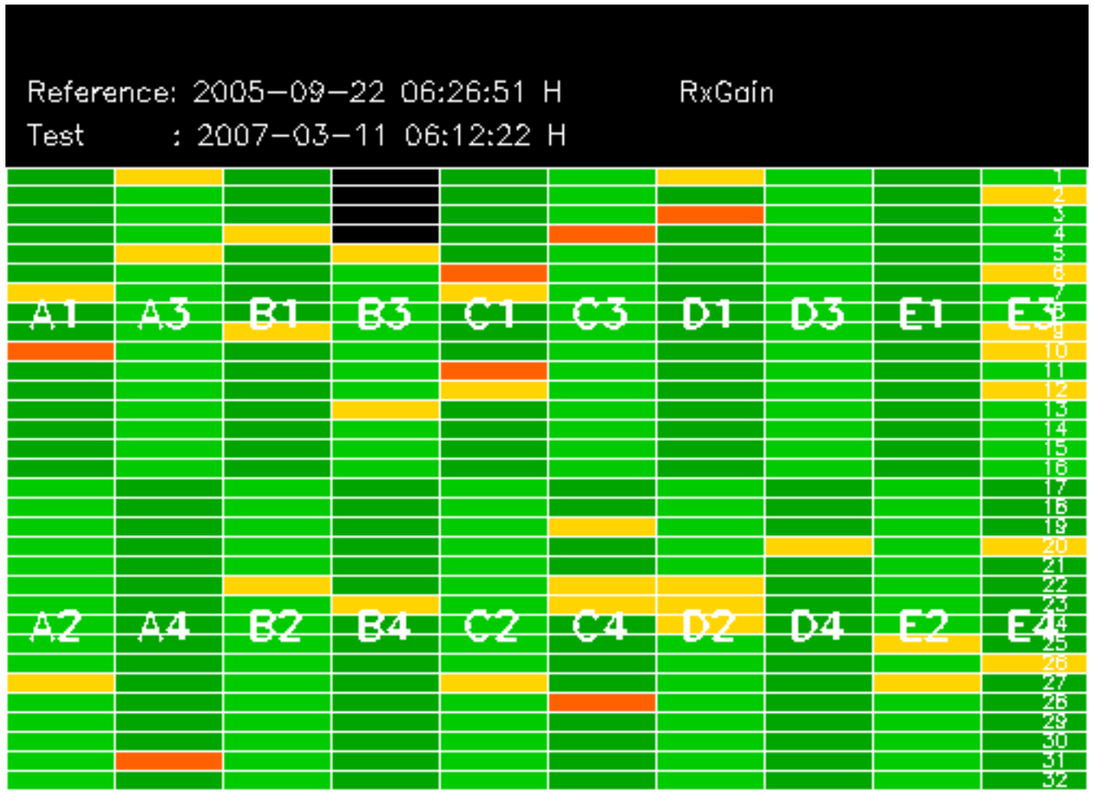

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −20.179355 Hz
−100Hz
+100Hz

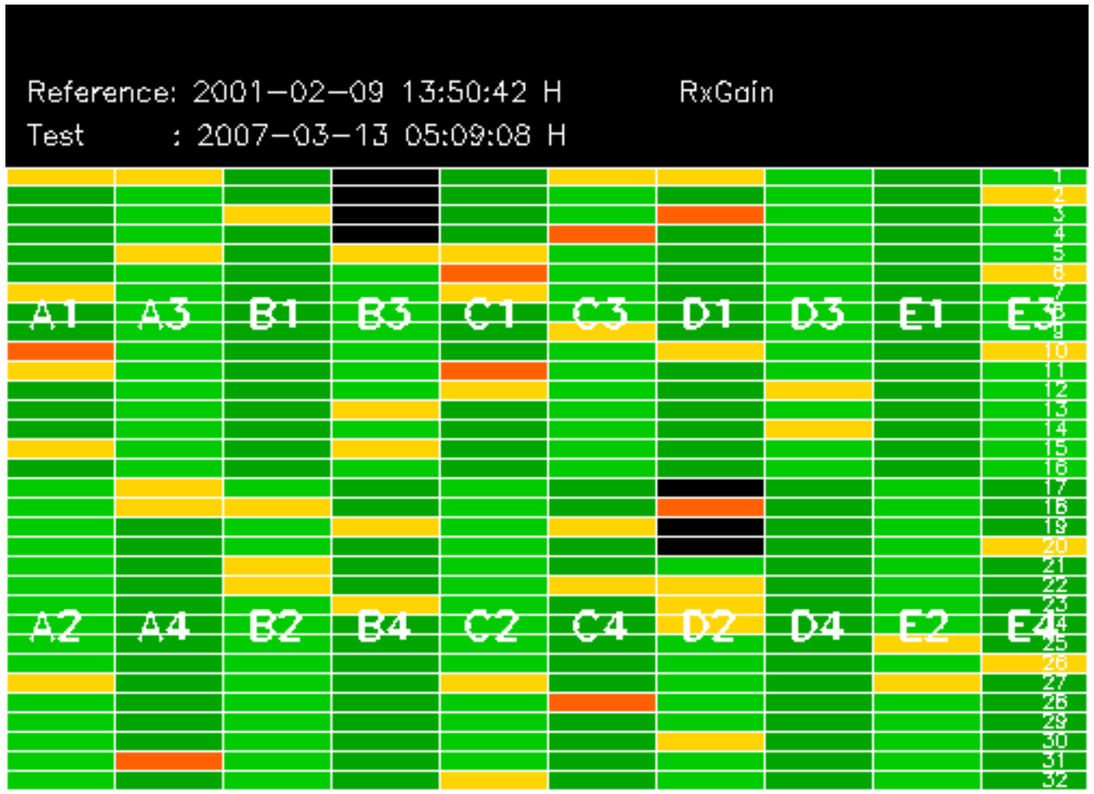

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −21.454340 Hz
−100Hz
+100Hz

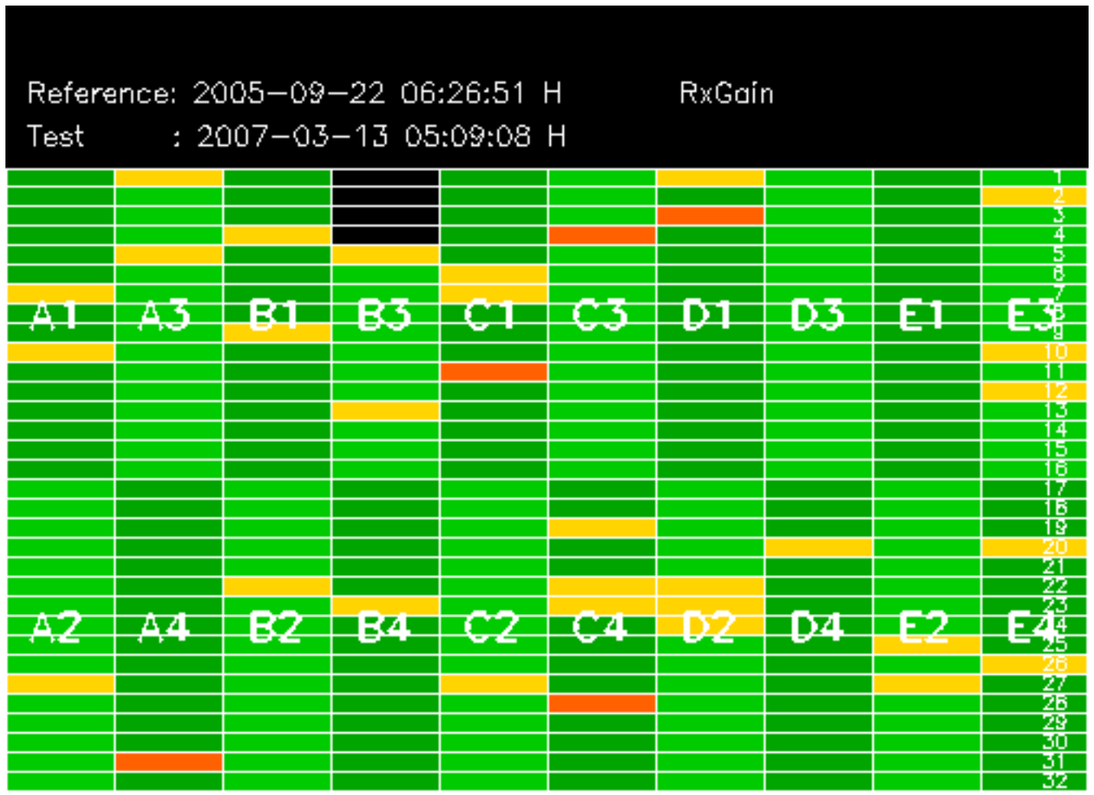
No anomalies observed on available MS products:

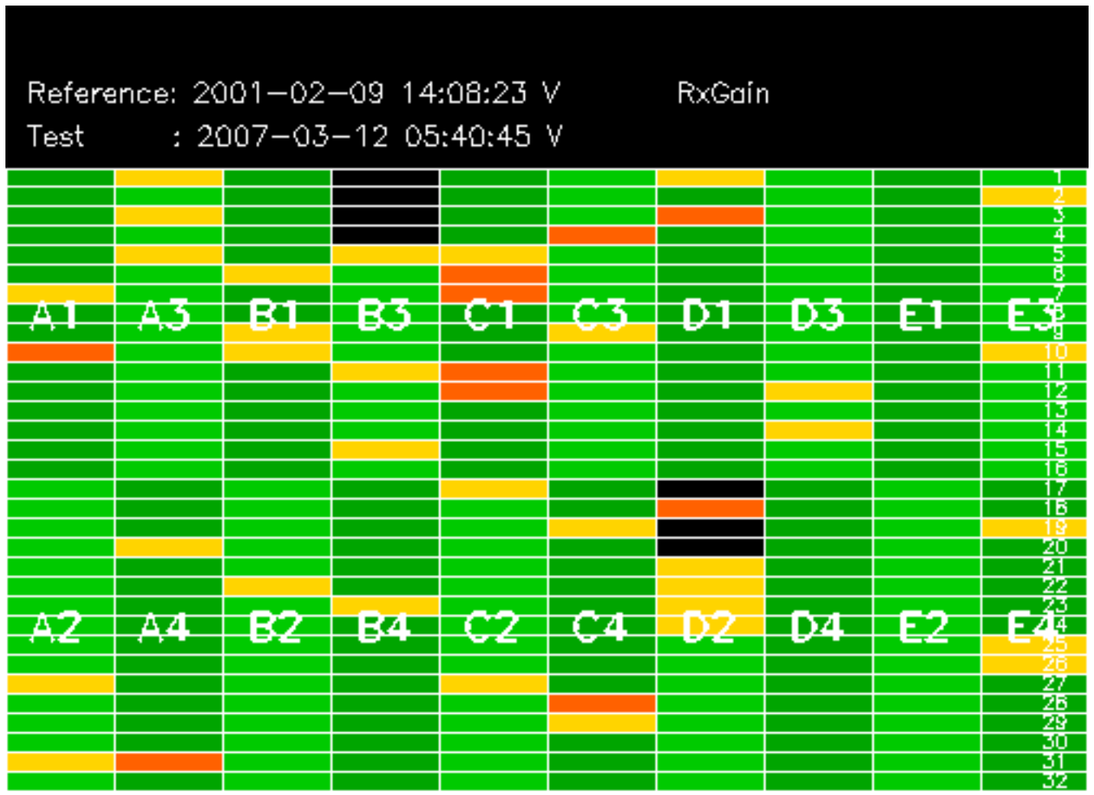
No anomalies observed.

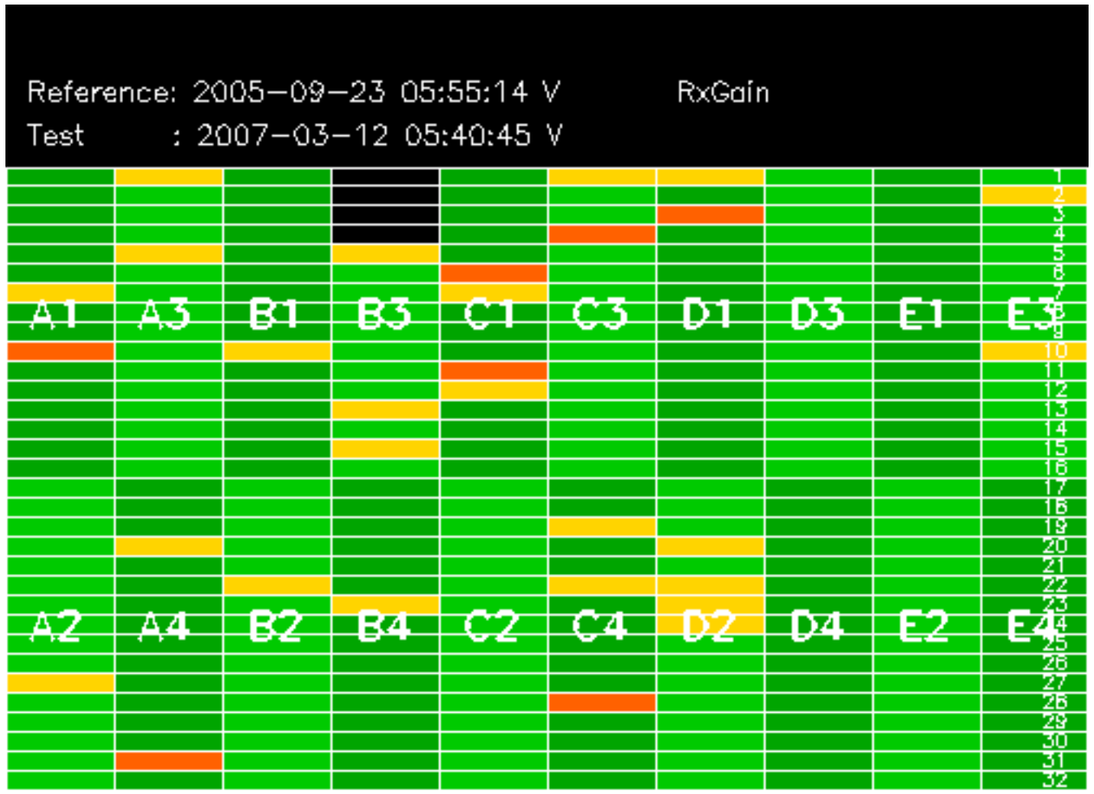

Reference: 2001-02-09 13:50:42 H
Test : 2007-03-11 06:12:22 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-03-11 06:12:22 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-03-13 05:09:08 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 : 2007-03-13 05:09:08 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 : 2007-03-12 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


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-12 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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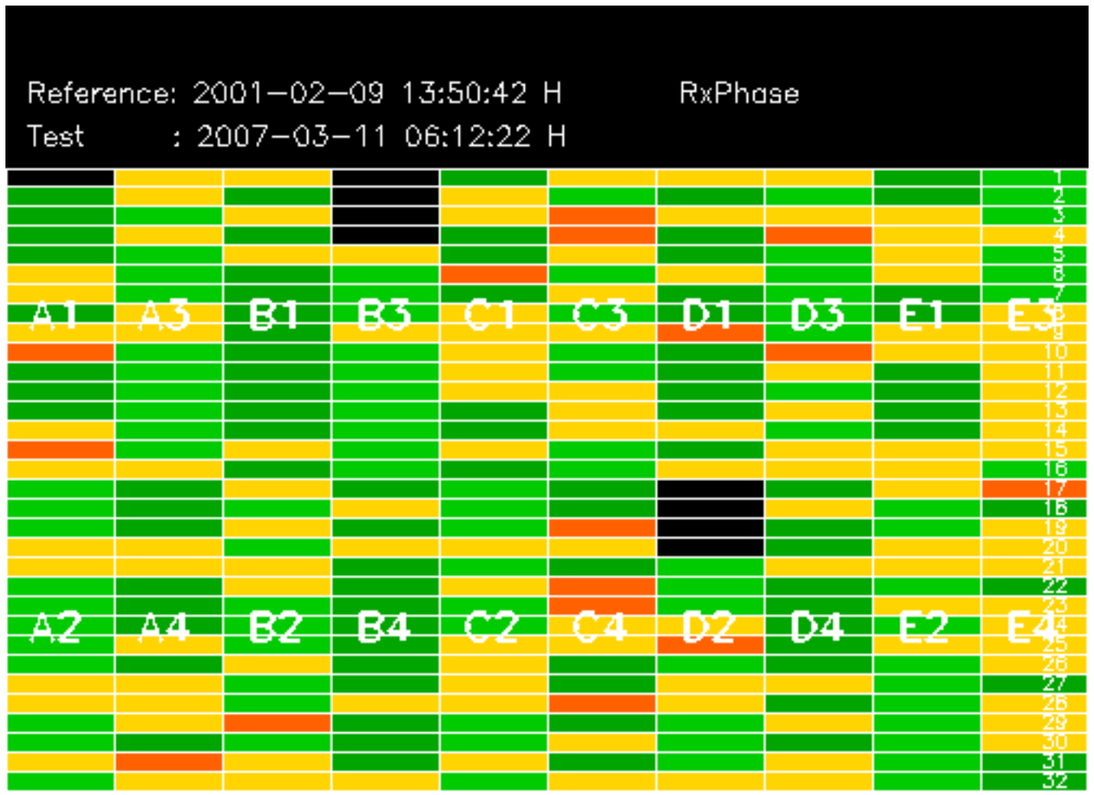
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-11 06:12:22 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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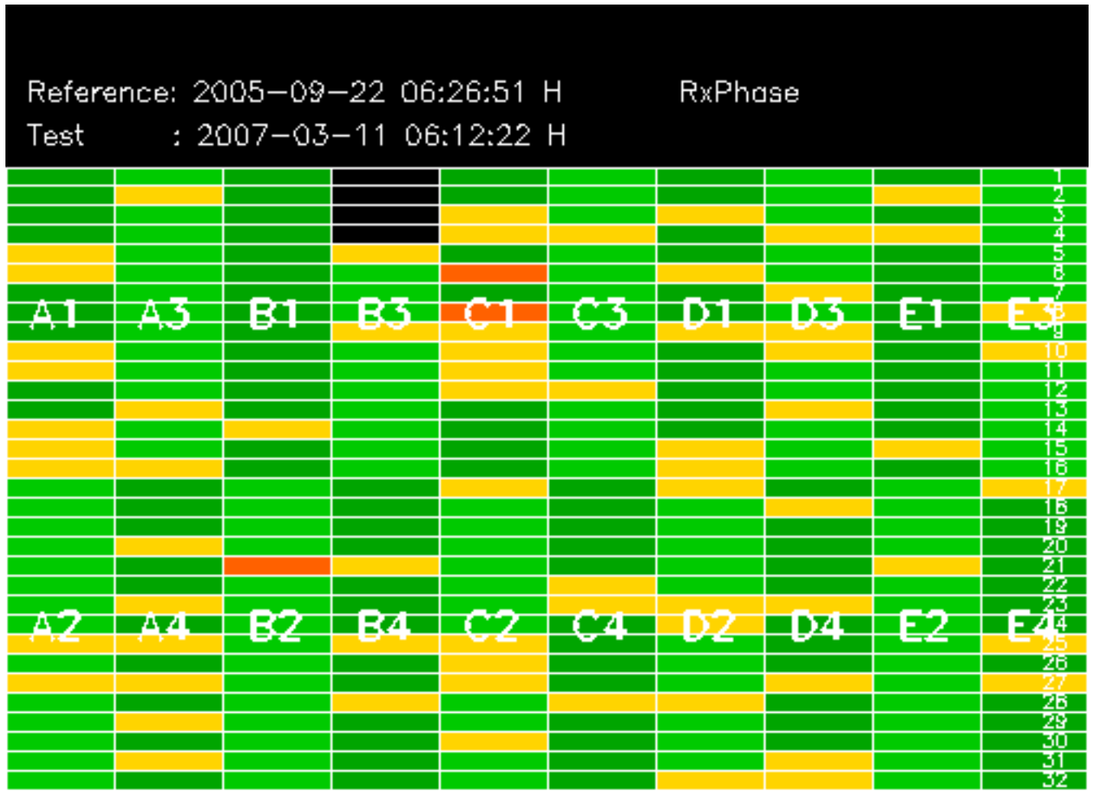
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-11 06:12:22 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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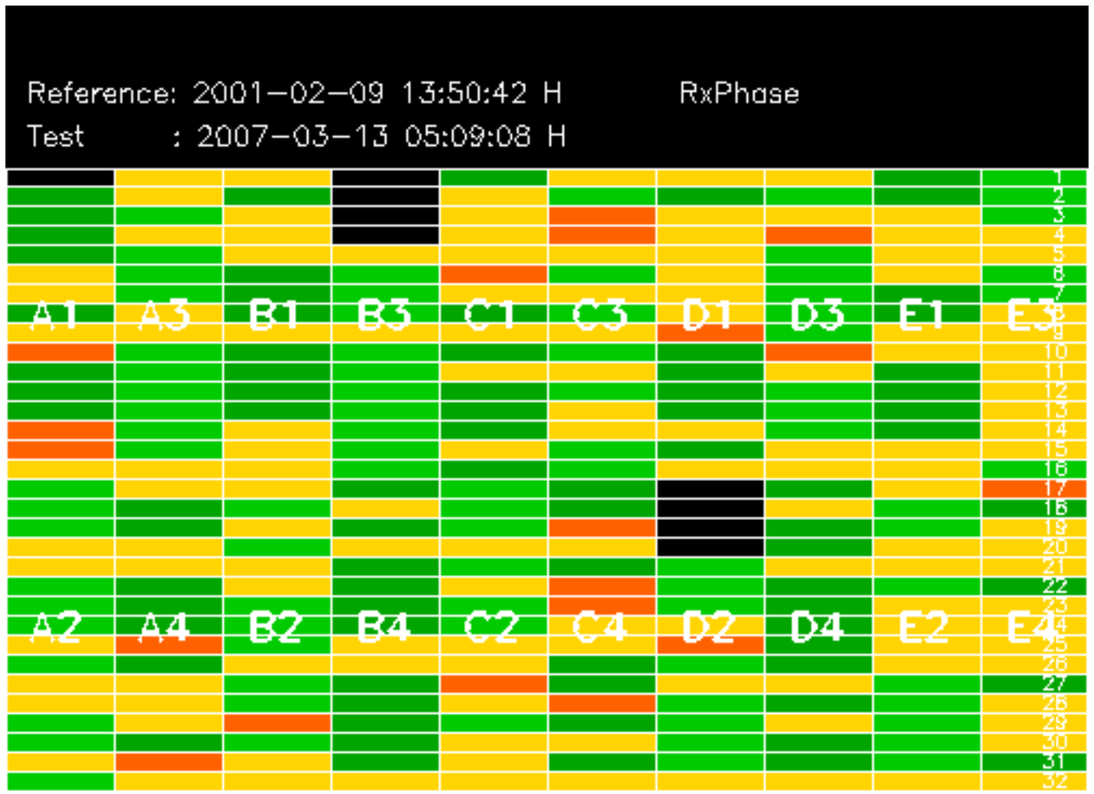
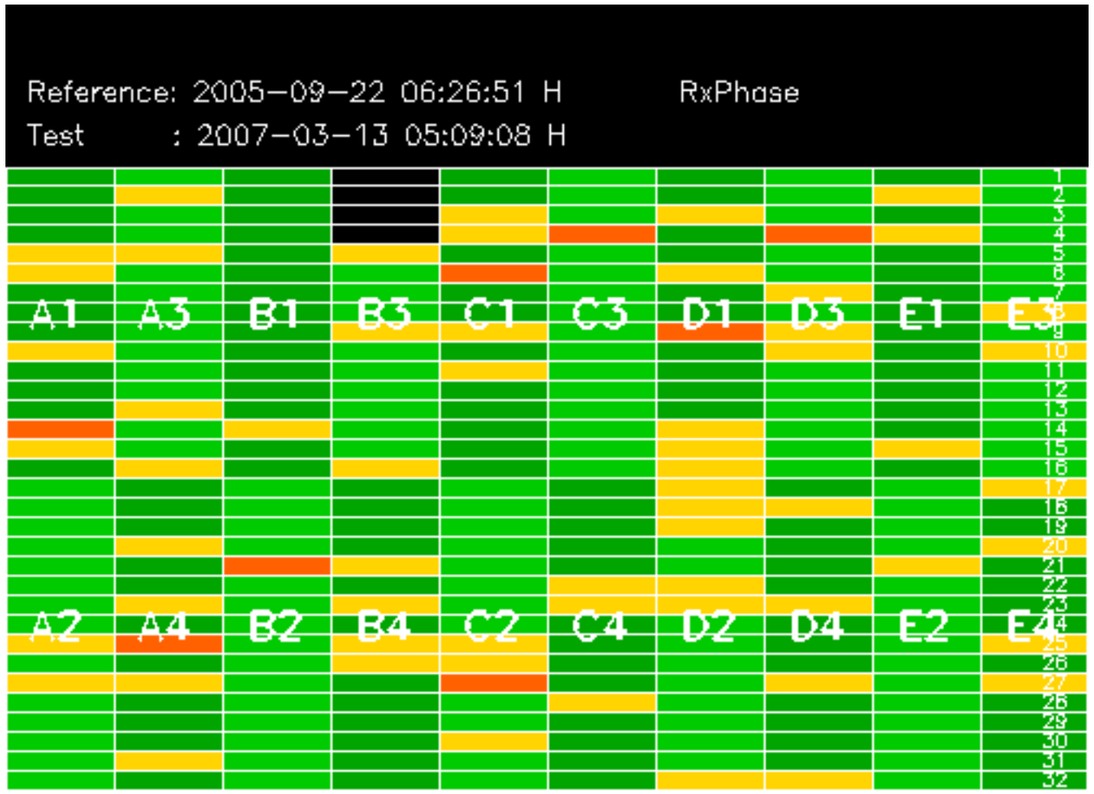

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-13 05:09:08 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-13 05:09:08 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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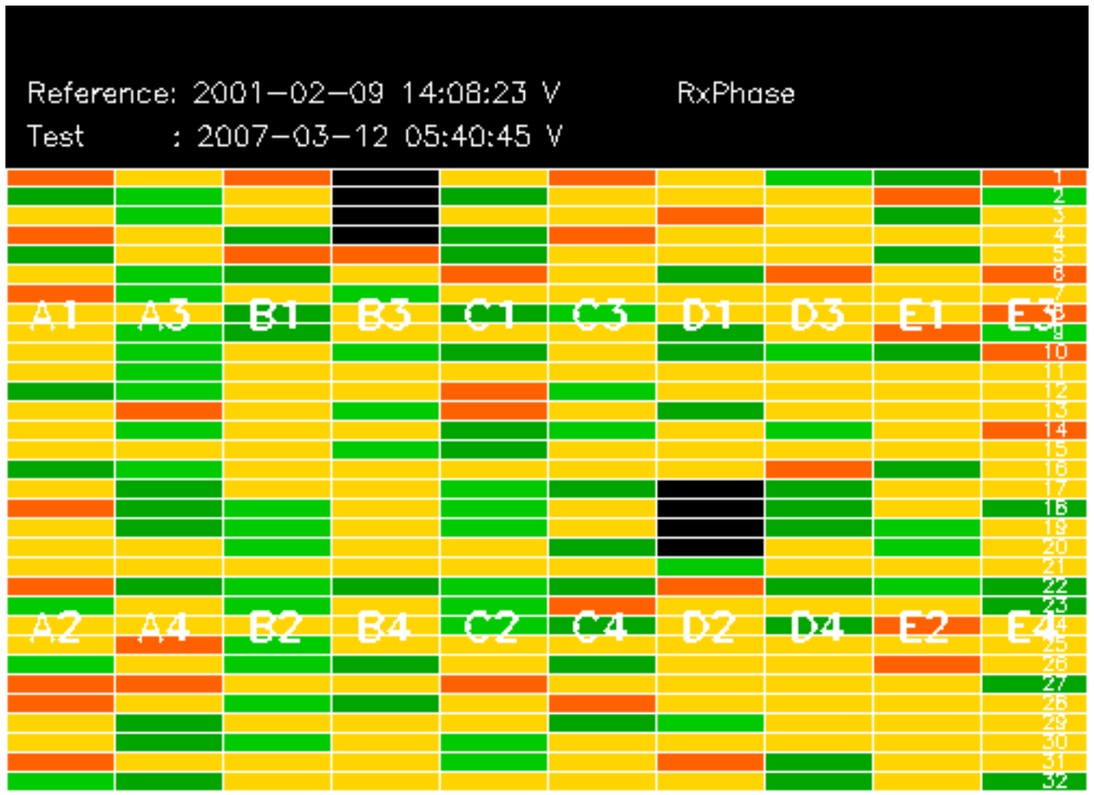
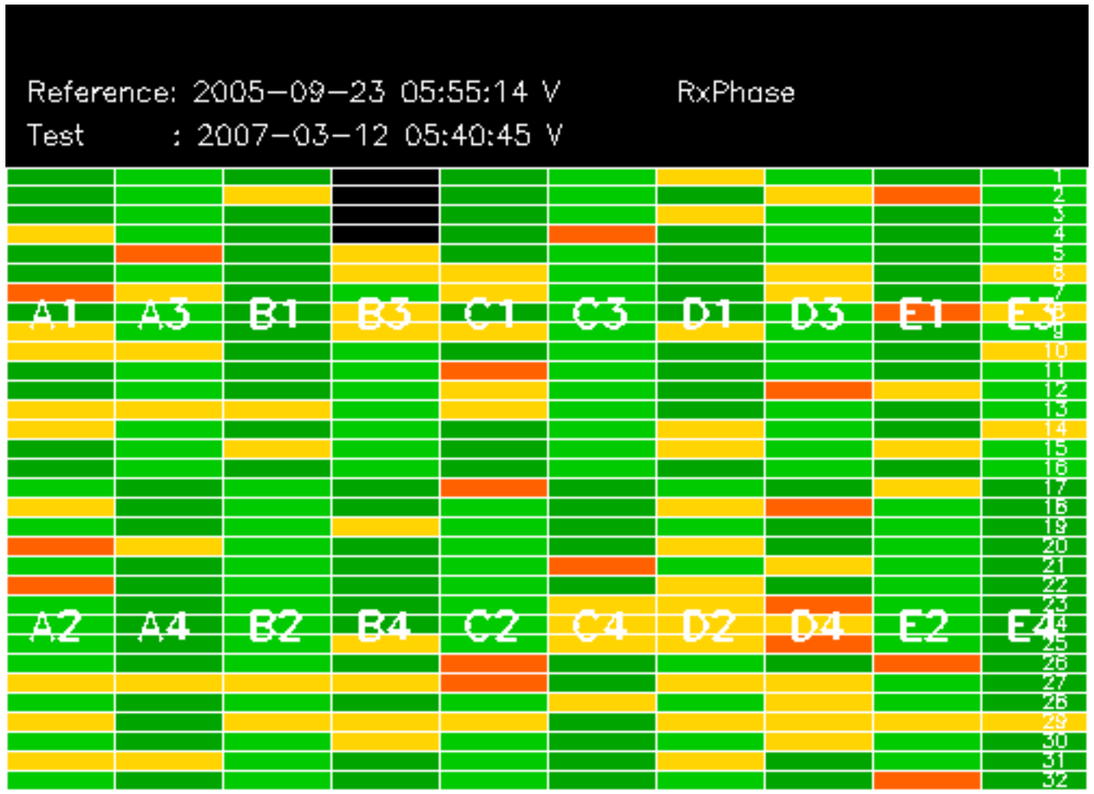

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-12 05:40:45 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
RxPhase
Test : 2007-03-12 05:40:45 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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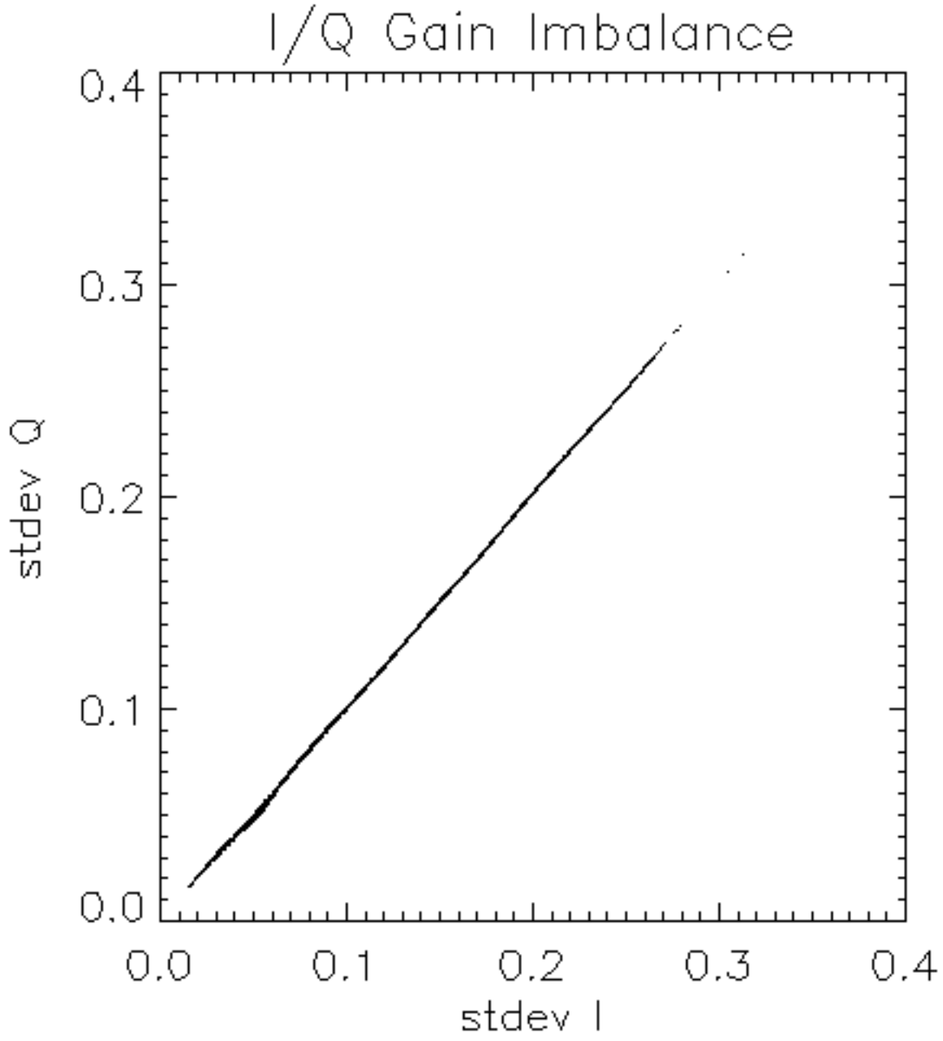
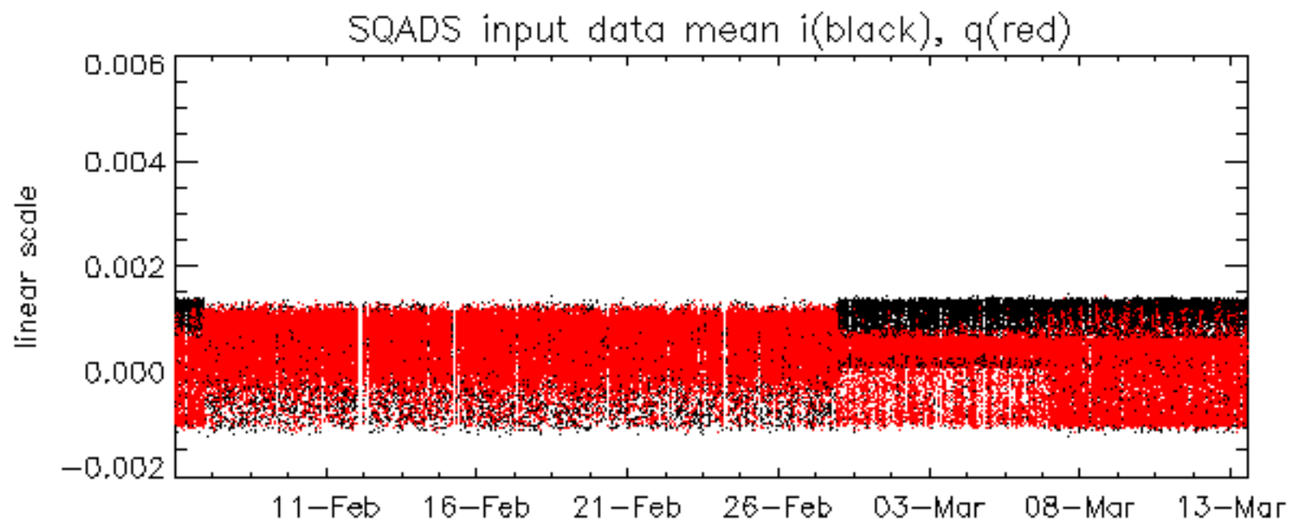
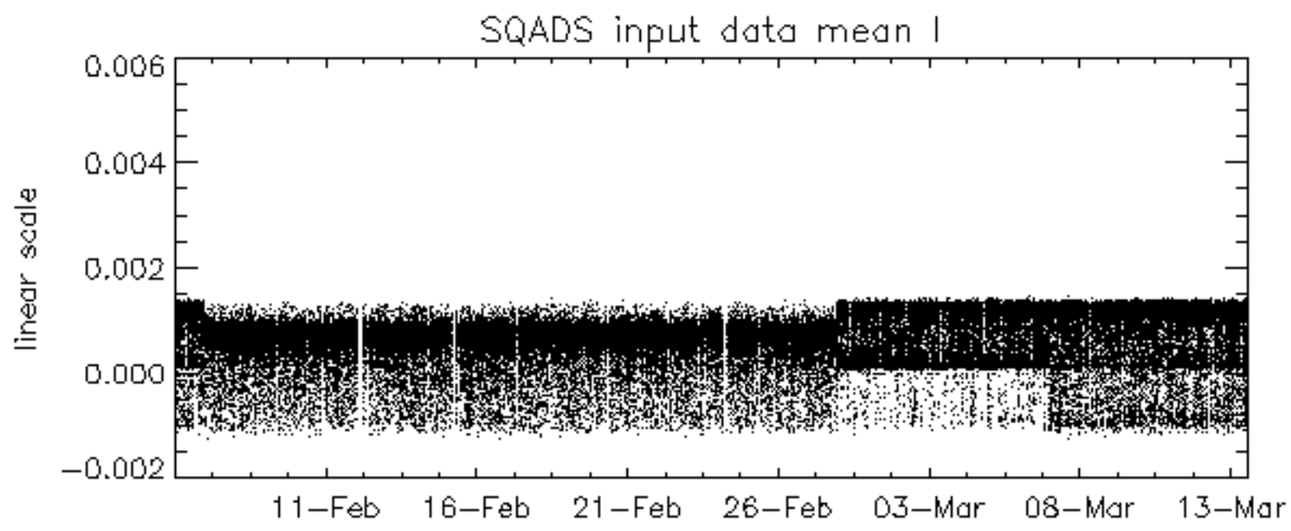
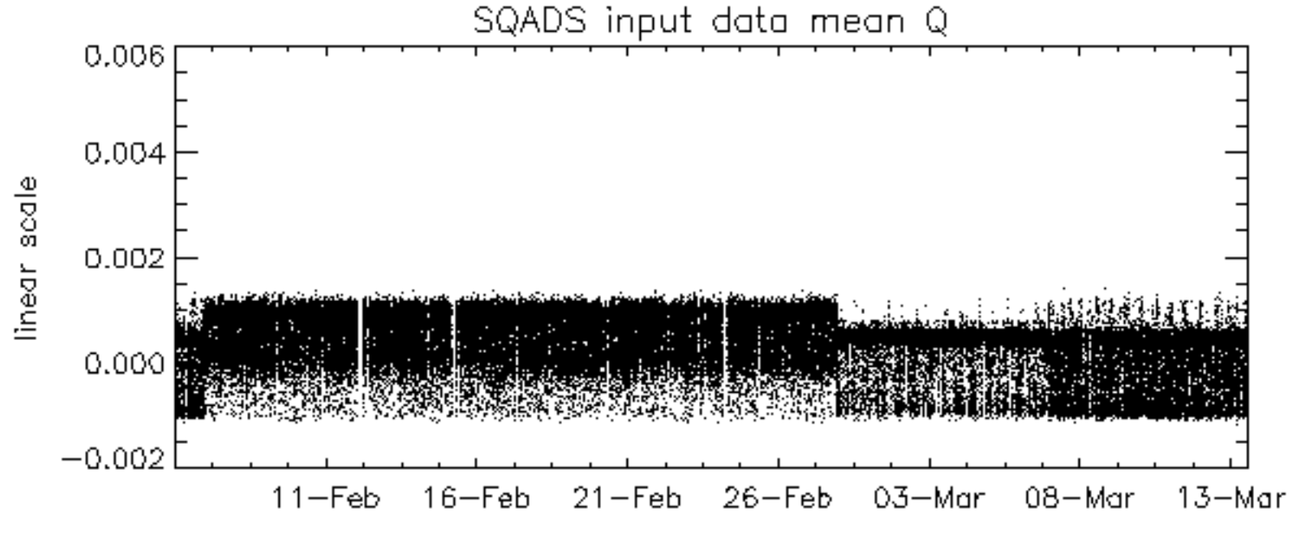
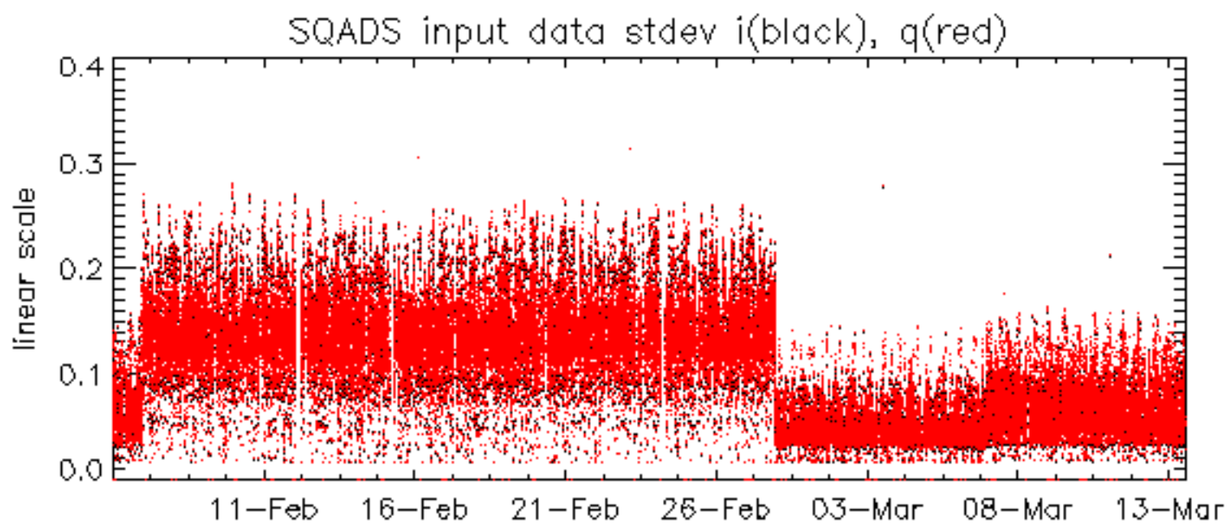
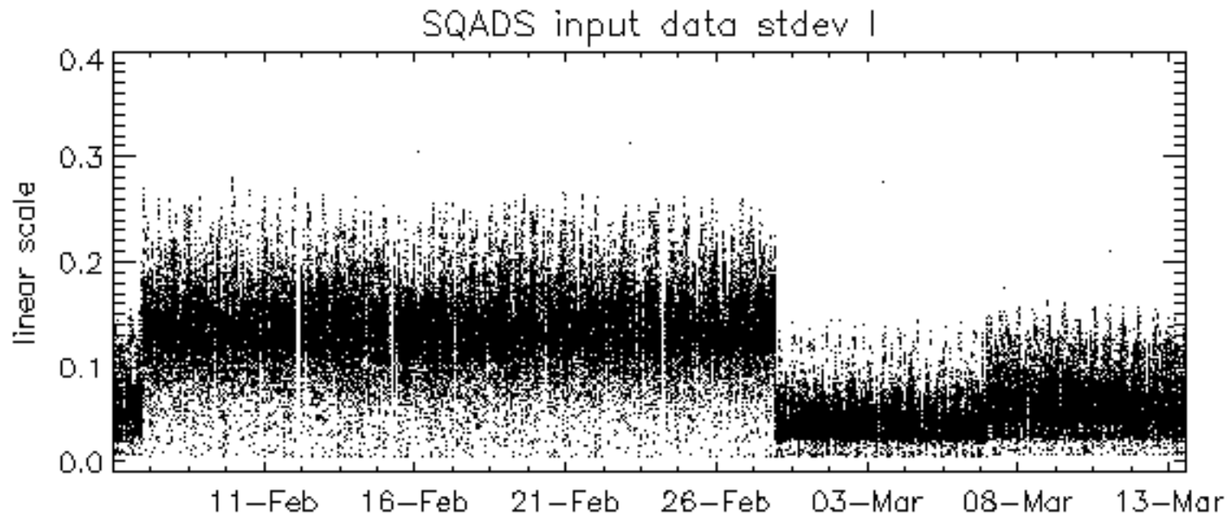

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

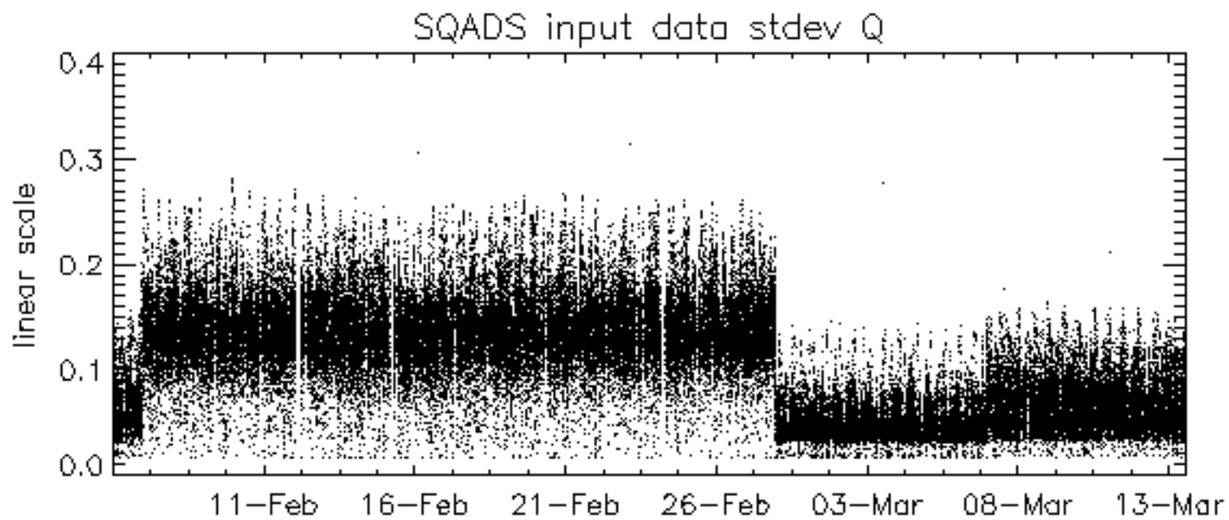

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar

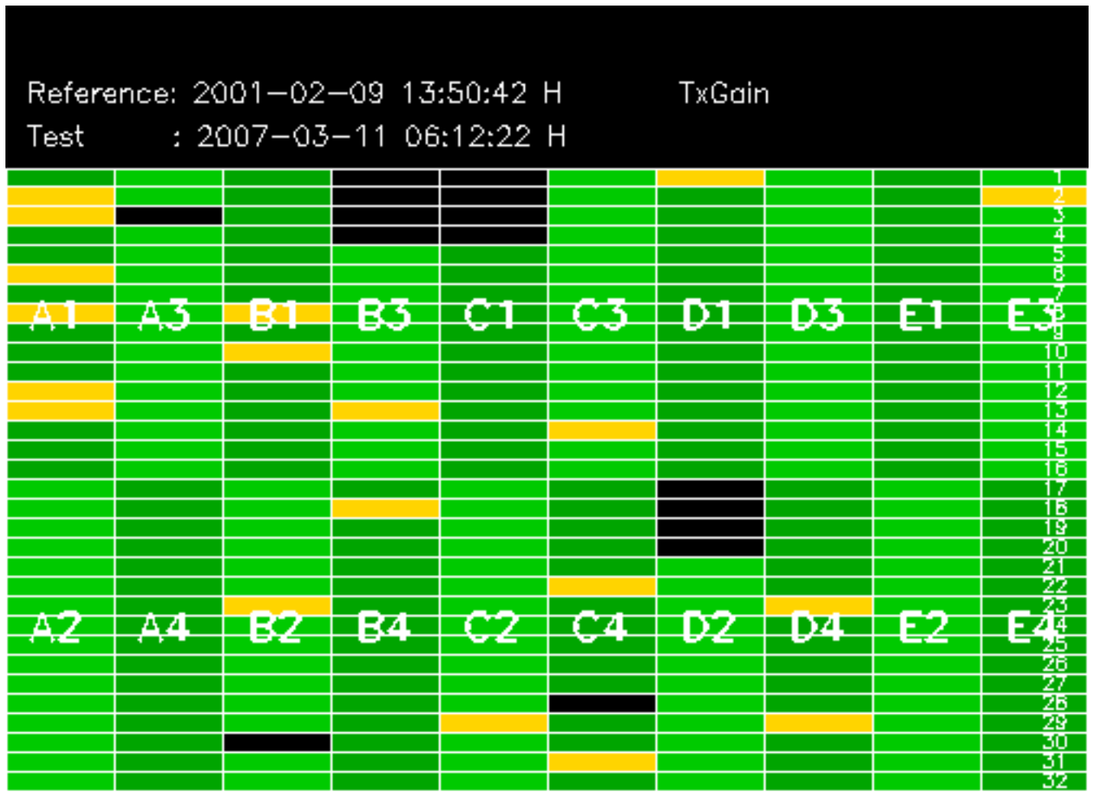

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-11 06:12:22 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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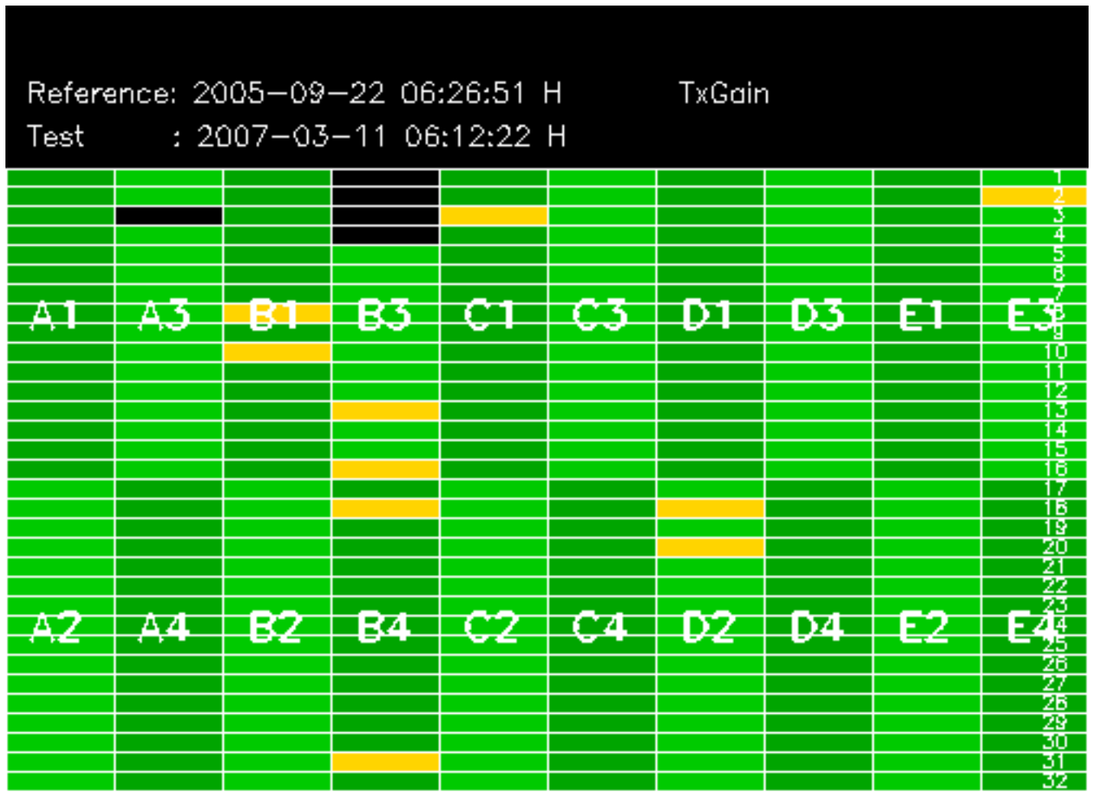
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-11 06:12:22 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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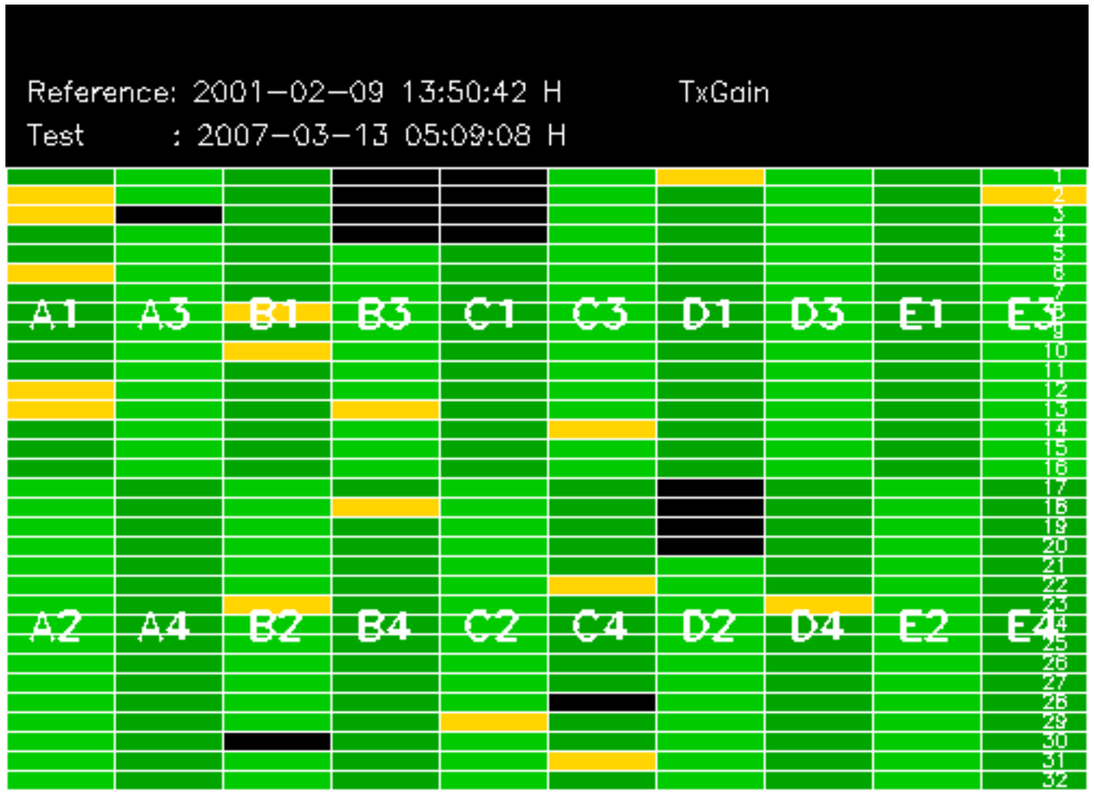
Reference: 2001-02-09 13:50:42 H
Test : 2007-03-13 05:09:08 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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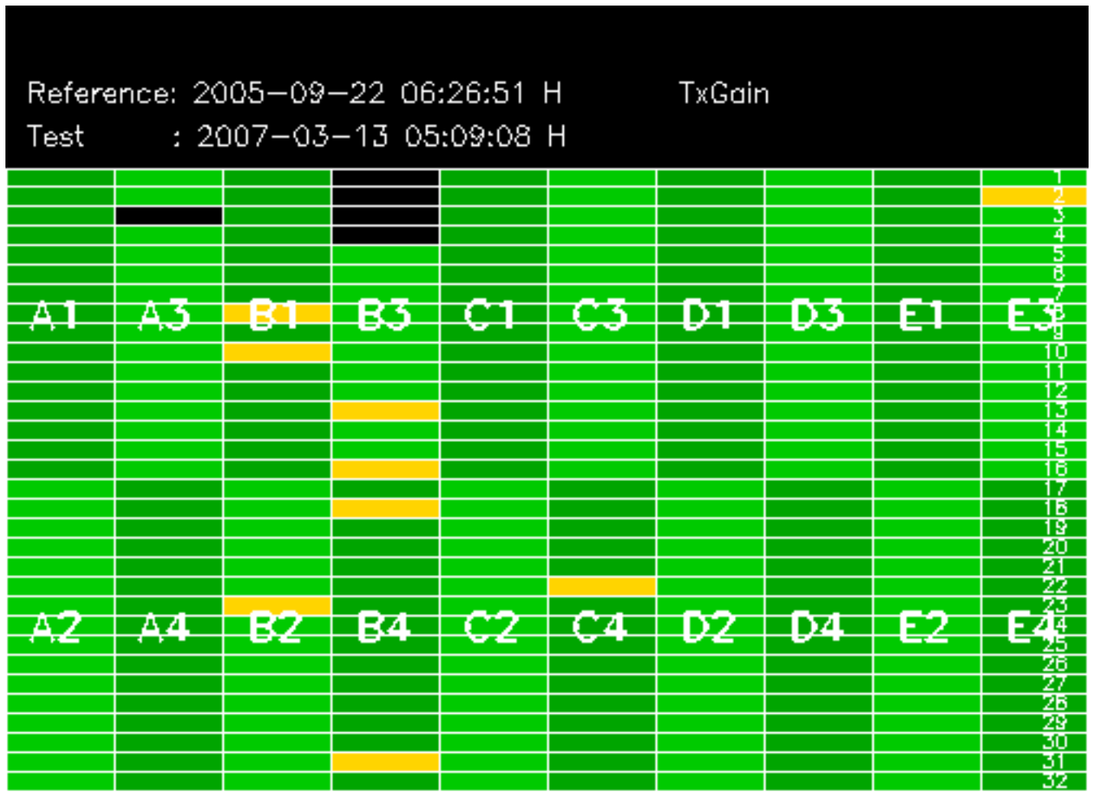
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-13 05:09:08 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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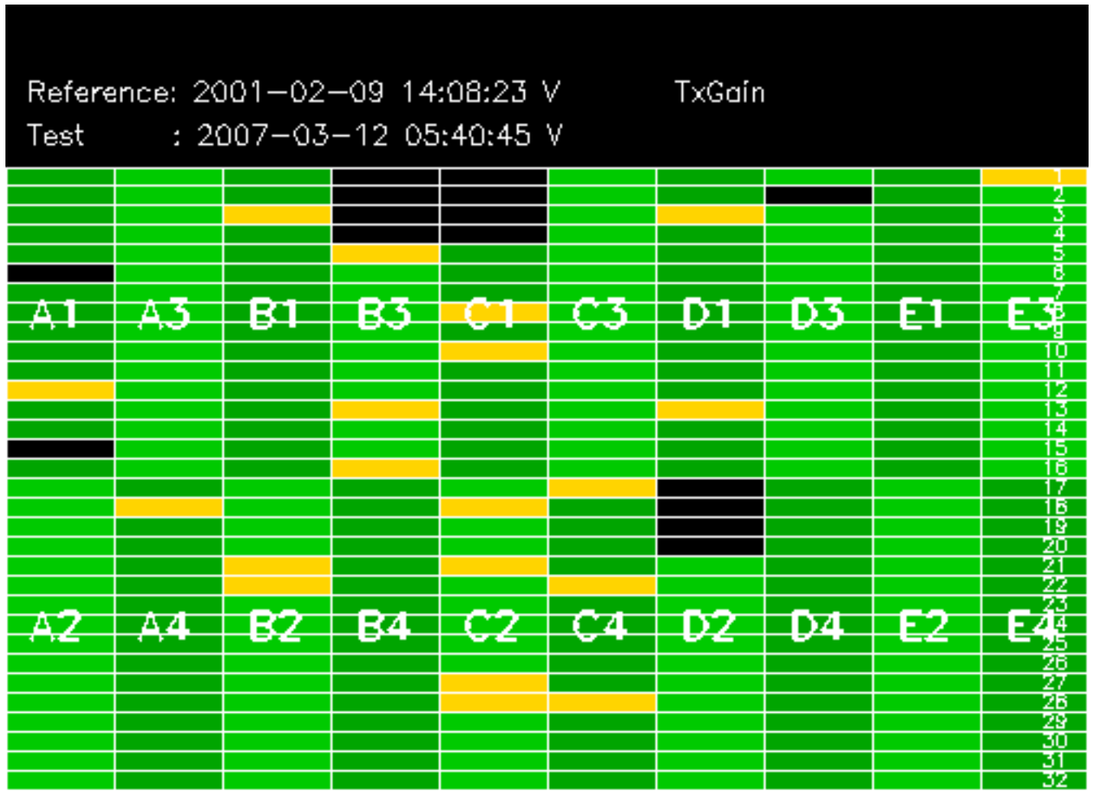
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-12 05:40:45 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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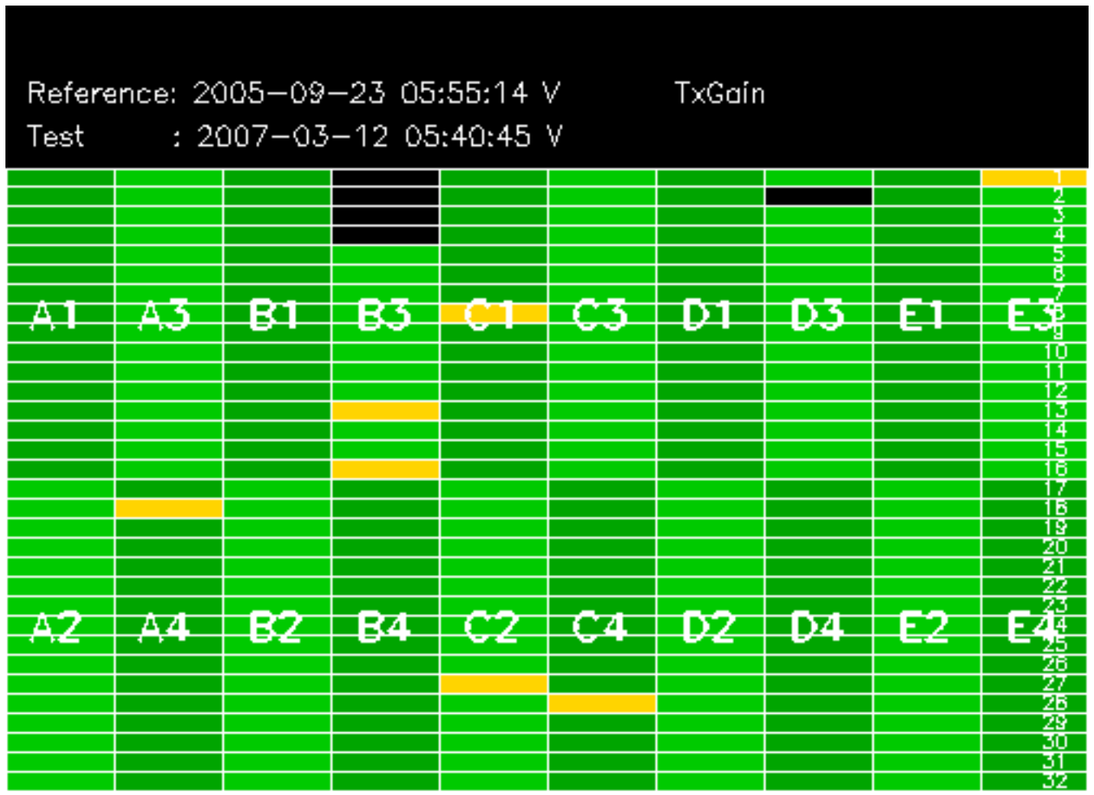
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-12 05:40:45 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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Summary of analysis for the last 3 days 2007031[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070311_004054_000000622056_00174_26280_8589.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070311_151024_000002872056_00183_26289_9475.N1 </td> <td>0 </td> <td>52 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070312_033052_000001472056_00190_26296_0216.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070313_112859_000001282056_00209_26315_0052.N1 </td> <td>0 </td> <td>47 </td></tr>
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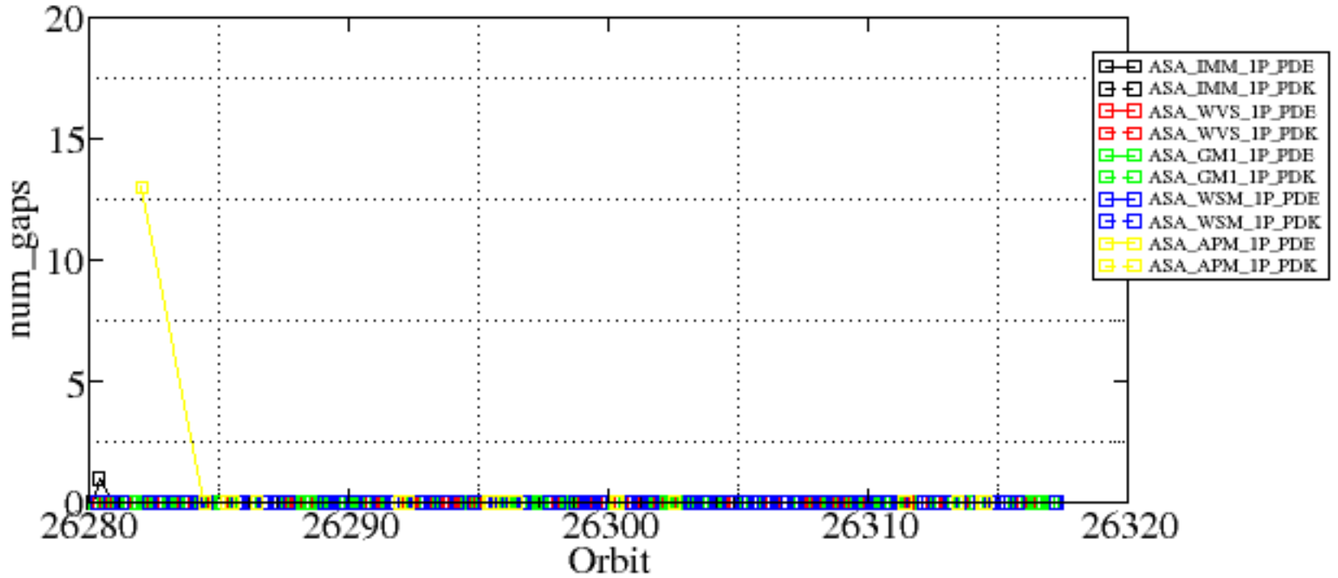
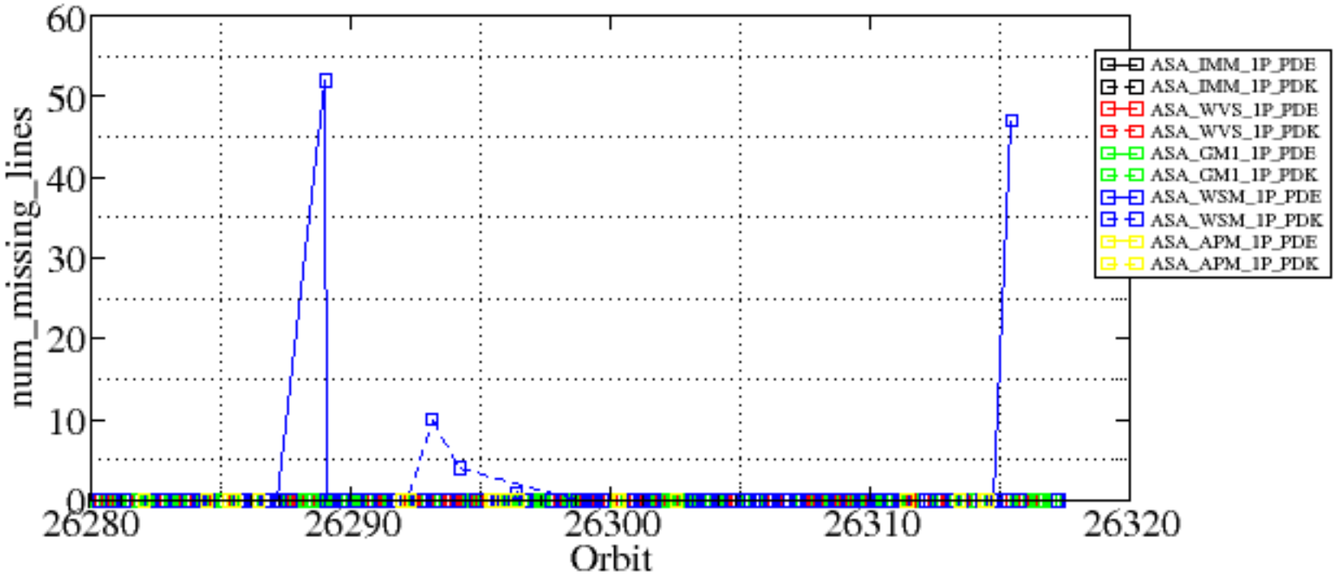
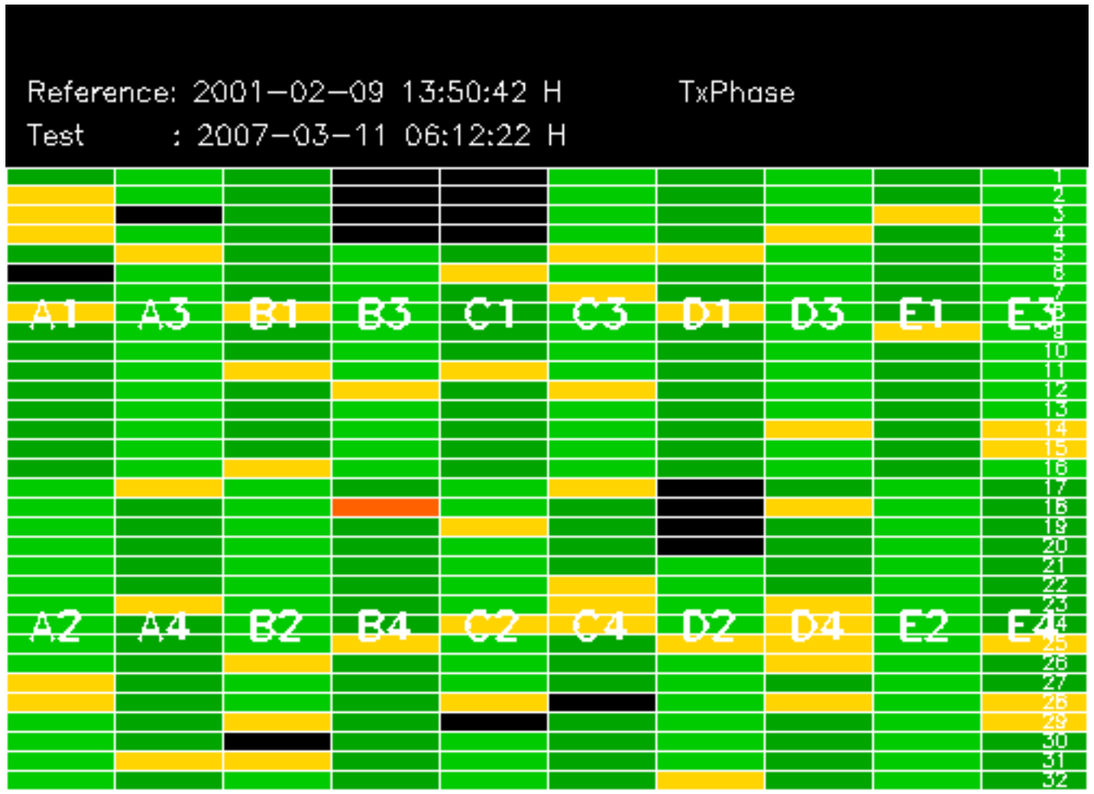
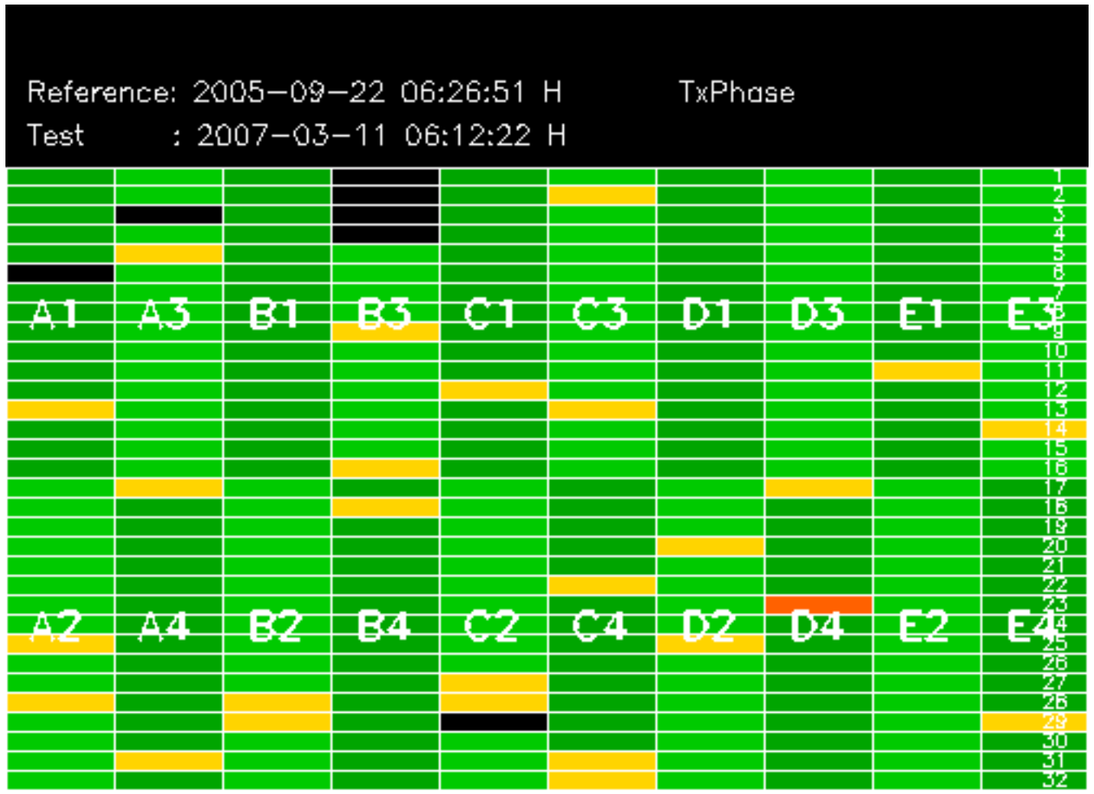
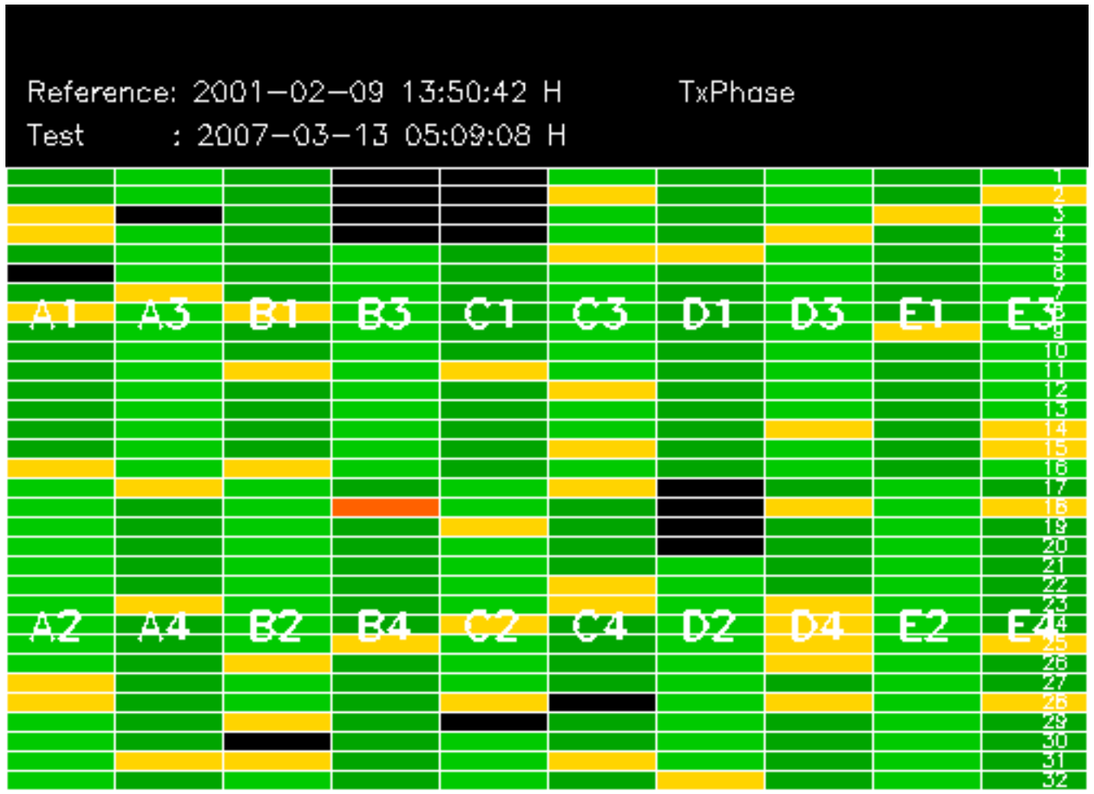

num_gaps
20
15
10
5
0
26280
26290
26300
26310
26320
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
60
50
40
30
20
10
0
26280
26290
26300
26310
26320
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 : 2007-03-11 06:12:22 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-11 06:12:22 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 13:50:42 H
TxPhase
Test : 2007-03-13 05:09:08 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
13
14
15
16
17
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26
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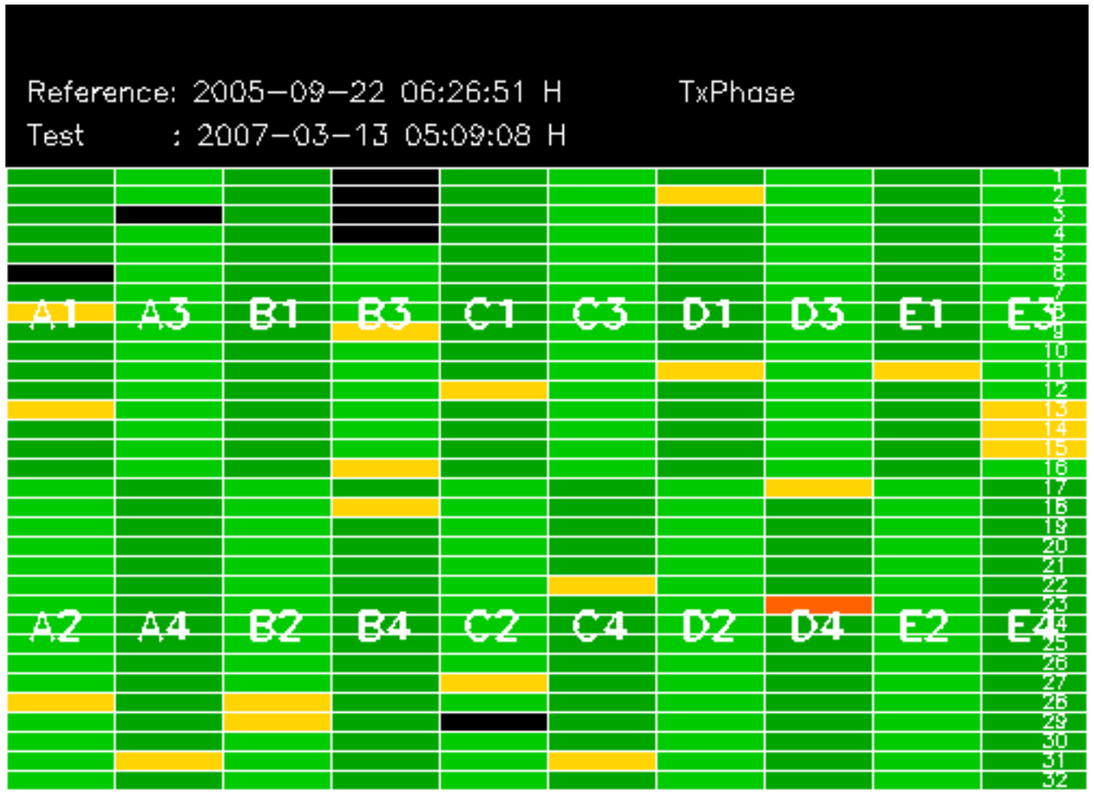
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-13 05:09:08 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
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12
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14
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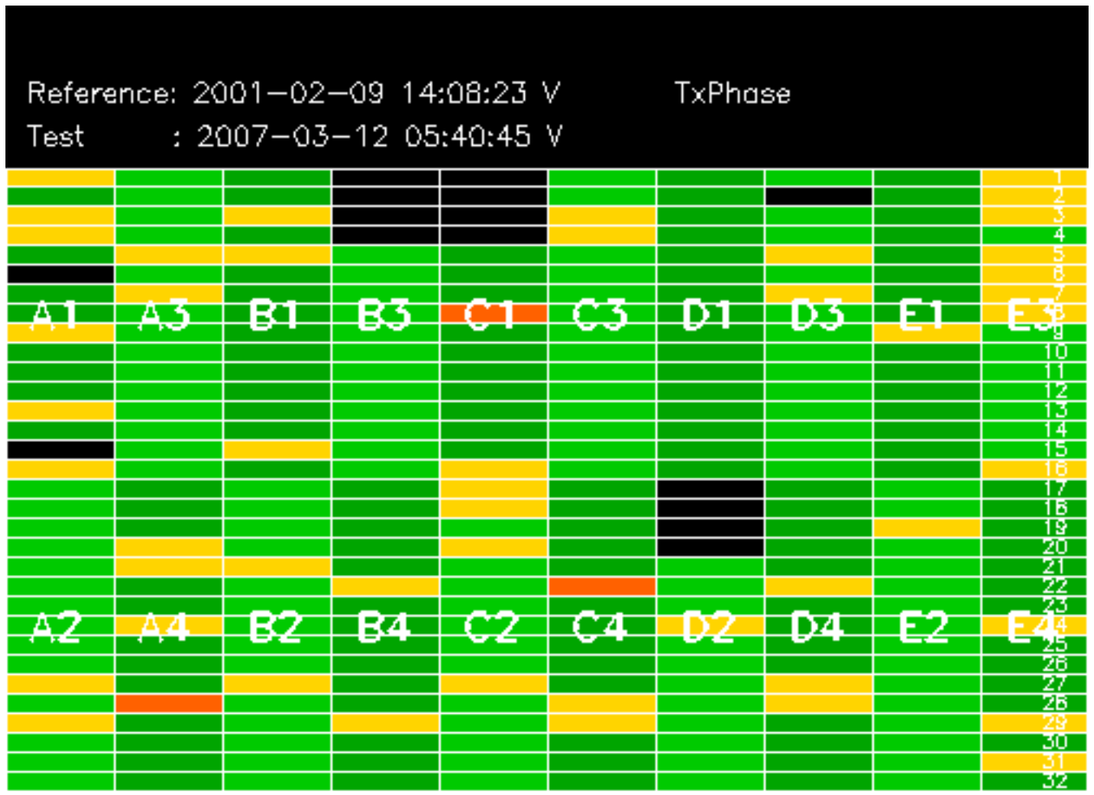
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-03-12 05:40:45 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
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8
9
10
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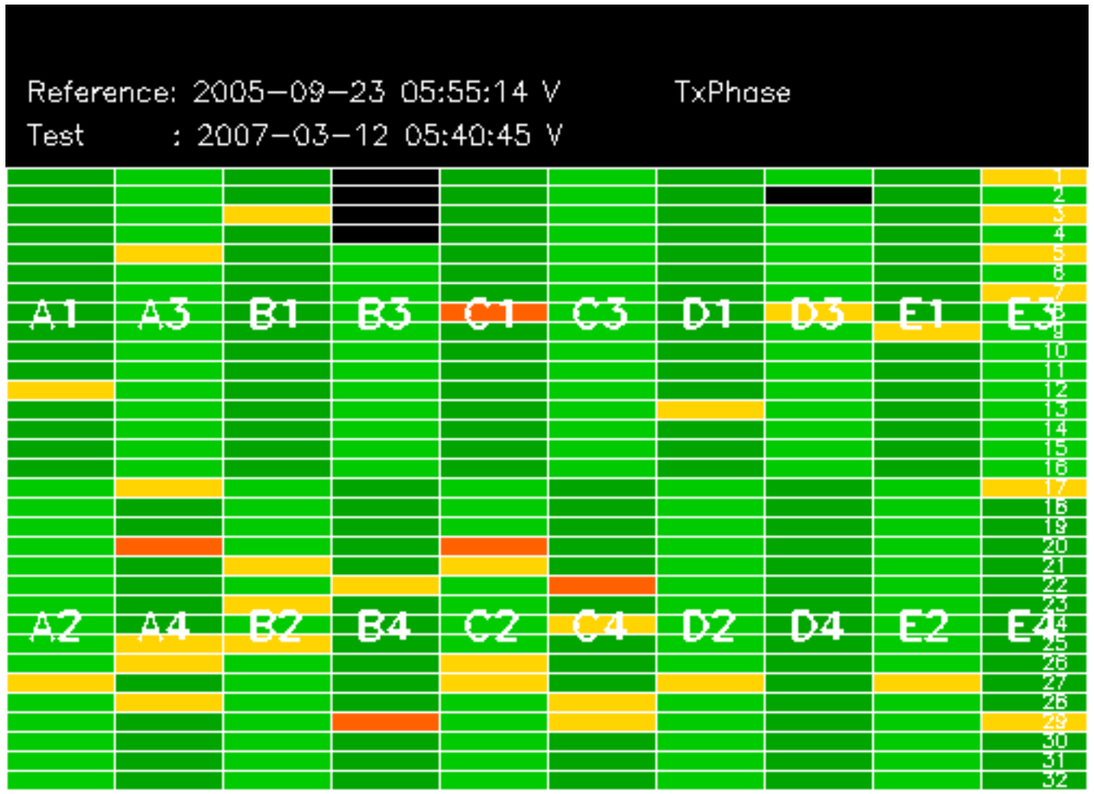
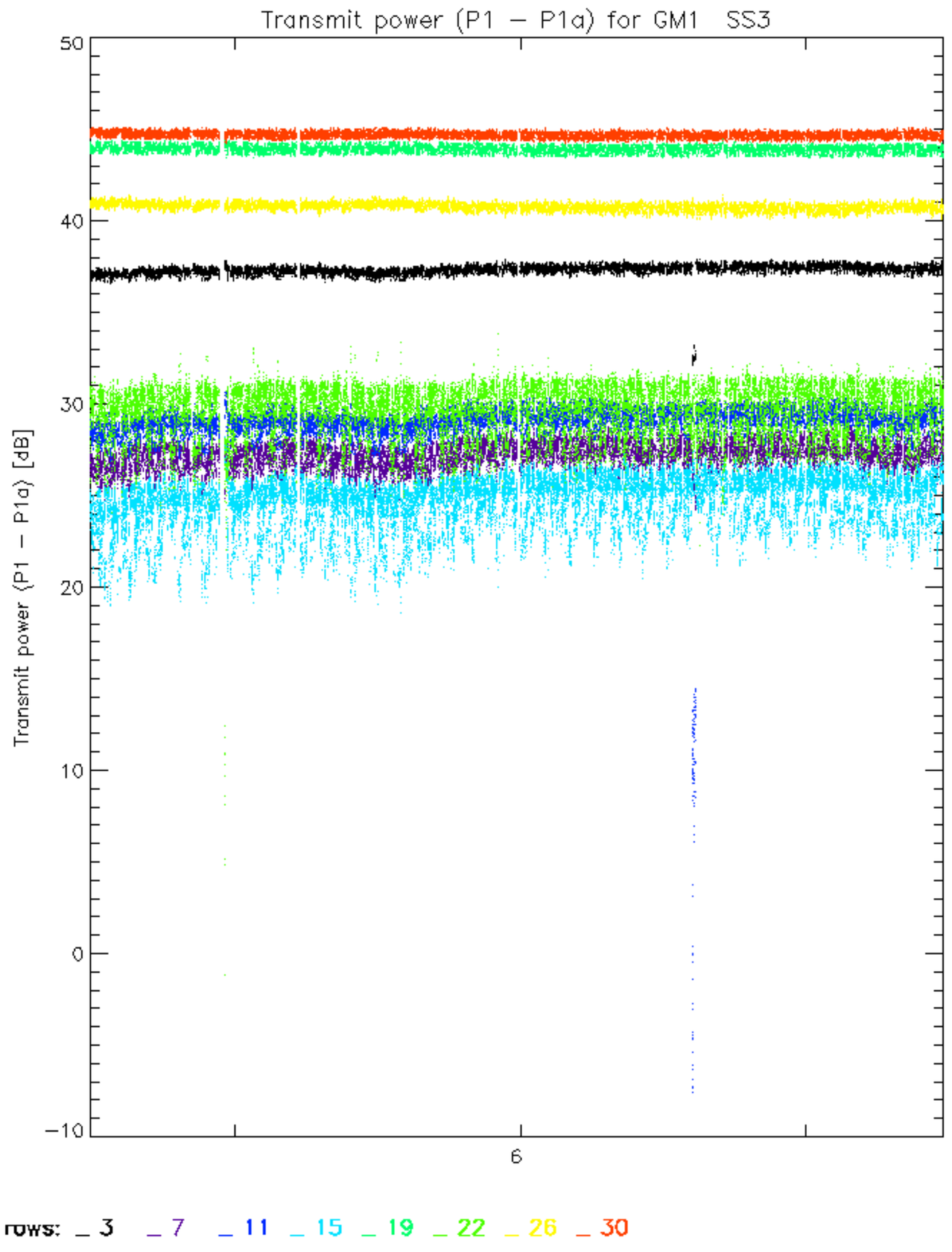
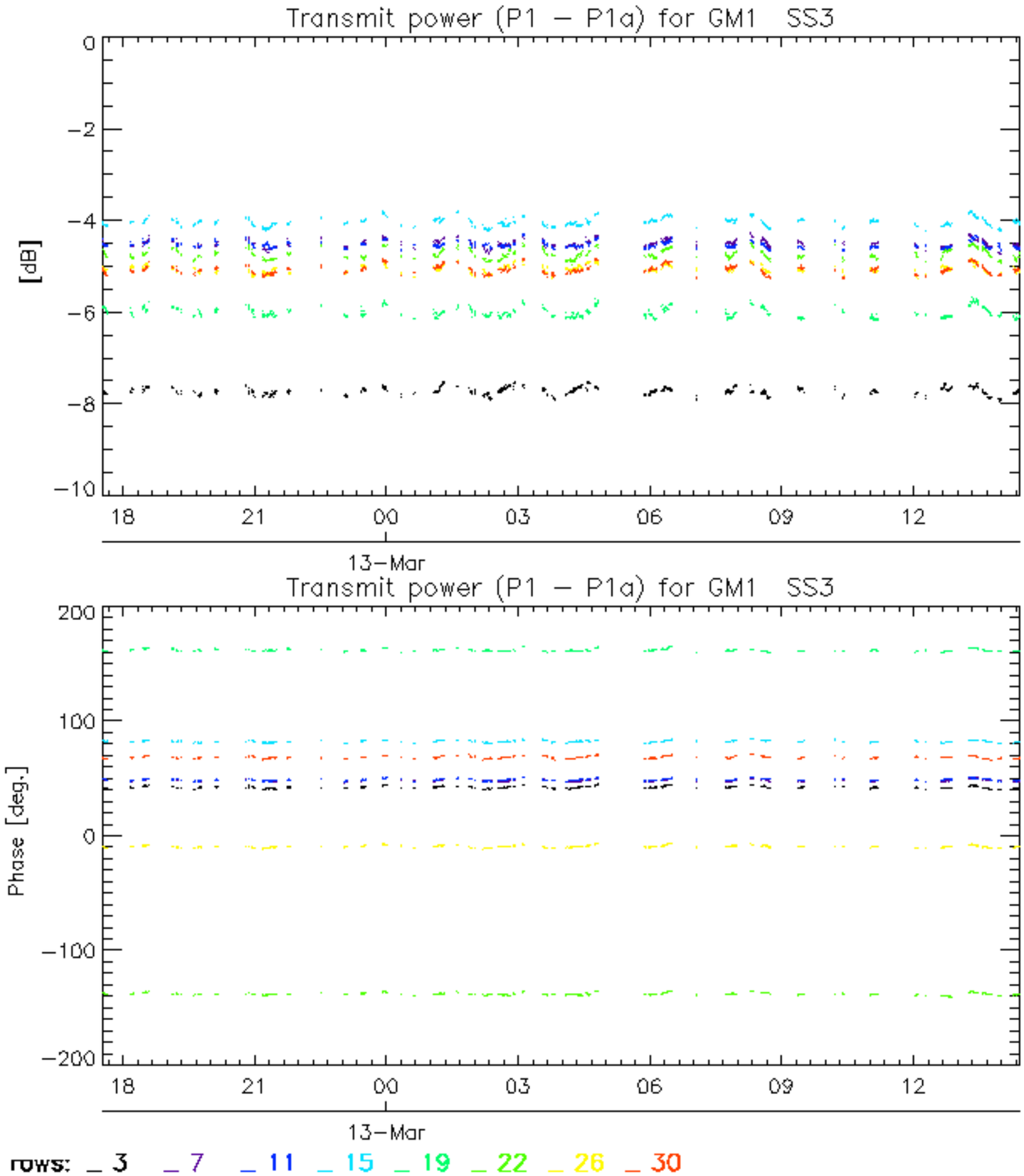
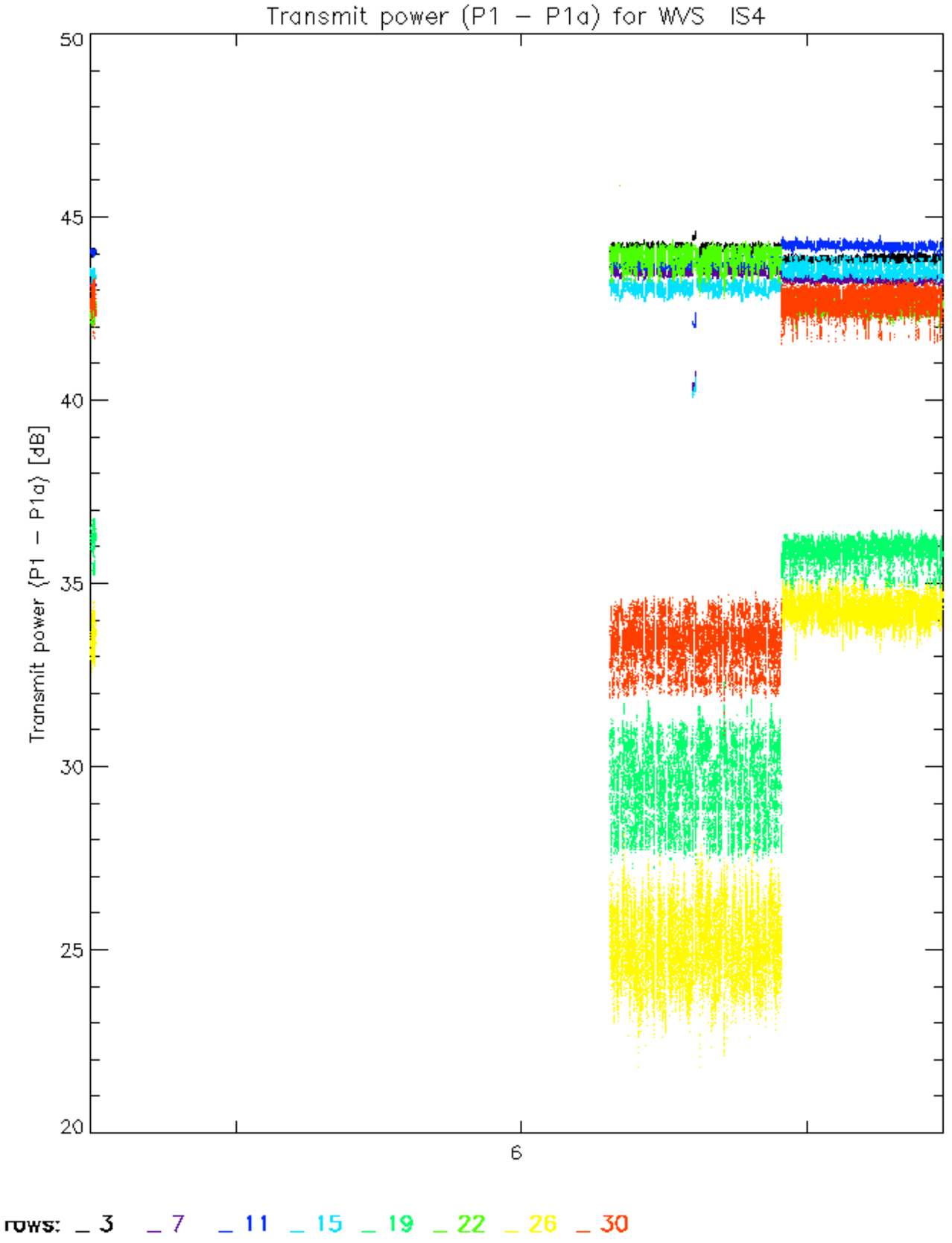
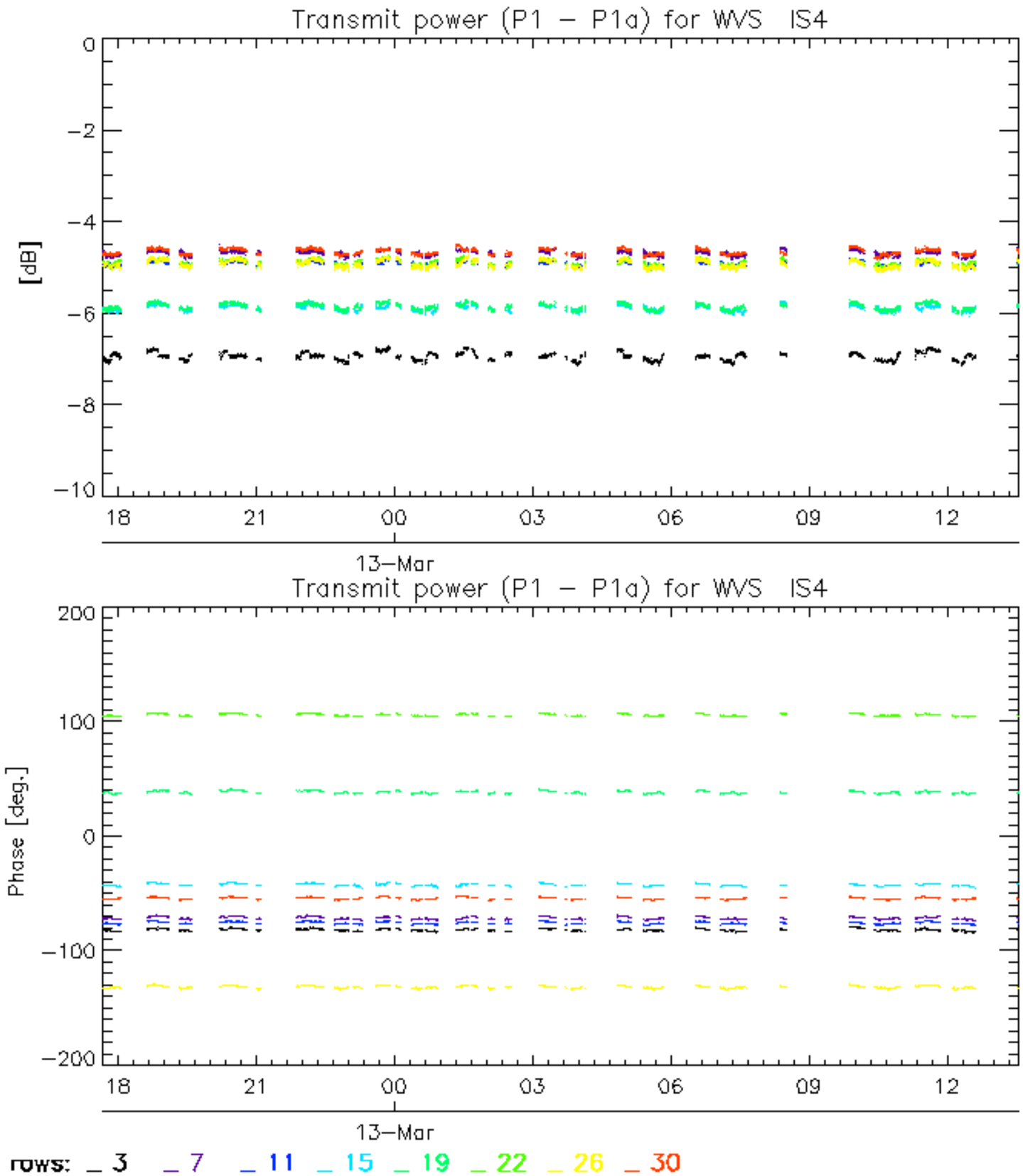
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-12 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


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
6
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
13−Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
13−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
6
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
13–Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
13–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.