PRELIMINARY REPORT OF 070227

last update on Tue Feb 27 16:29:18 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 2007-02-26 00:00:00 to 2007-02-27 16:29:18

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	40	78	9	1	27
ASA_INS_AXVIEC20070223_140724_20070226_000000_20071231_000000	40	78	9	1	27
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	40	78	9	1	27
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	78	9	1	27

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	41	56	34	13	64
ASA_INS_AXVIEC20070223_140724_20070226_000000_20071231_000000	41	56	34	13	64
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	41	56	34	13	64
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	56	34	13	64

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	20070226 180512
H	20070225 183649

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.108912	0.159407	0.556405
7	P1a	-17.409765	0.106254	-0.127823
11	P1a	-17.302315	0.342670	-0.028698
15	P1a	-12.849440	0.101142	-0.053770
19	P1a	-15.091328	0.092528	-0.034515
22	P1a	-15.492177	0.470617	0.053810
26	P1a	-15.045374	0.198360	-0.157481
30	P1a	-17.323503	0.334108	-0.160699

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.670370	0.070991	-0.672480
7	P1	-3.108116	0.009215	-0.043307
11	P1	-4.129865	0.019129	-0.046565
15	P1	-6.333571	0.016204	-0.070627
19	P1	-3.714489	0.008910	-0.050014
22	P1	-4.671388	0.014102	-0.007184
26	P1	-3.932984	0.012923	-0.026574
30	P1	-5.918660	0.011711	-0.016172

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.596754	0.170098	-0.744984
7	P2	-21.595165	0.084065	0.029636
11	P2	-15.487916	0.101332	-0.070228
15	P2	-7.016505	0.098682	-0.034629
19	P2	-9.081117	0.086366	-0.026640
22	P2	-18.104227	0.081299	-0.028047

26	P2	-16.506359	0.094364	-0.027855
30	P2	-19.333782	0.077177	-0.002734

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.200629	0.007832	-0.024737
7	P3	-8.200629	0.007832	-0.024737
11	P3	-8.200629	0.007832	-0.024737
15	P3	-8.200629	0.007832	-0.024737
19	P3	-8.200629	0.007832	-0.024737
22	P3	-8.200629	0.007832	-0.024737
26	P3	-8.200629	0.007832	-0.024737
30	P3	-8.200629	0.007832	-0.024737

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	-11.258815	0.126731	0.815760
7	P1a	-10.038329	0.065108	-0.076201
11	P1a	-10.594869	0.058109	-0.229172
15	P1a	-10.865390	0.134124	-0.130912
19	P1a	-15.739927	0.064458	0.037538
22	P1a	-20.846737	1.241630	0.233593
26	P1a	-15.409744	0.266422	0.295823
30	P1a	-18.357740	0.356161	-0.113910

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-7.207241	3.433511	-5.251585
7	P1	-2.434783	0.005811	0.006003

11	P1	-2.889950	0.015914	-0.099367
15	P1	-3.808038	0.033210	-0.106334
19	P1	-3.552183	0.012277	-0.008763
22	P1	-5.027825	0.022869	-0.029164
26	P1	-5.988882	0.023218	0.049885
30	P1	-5.285484	0.022457	0.029105

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.576468	0.693226	-2.268660
7	P2	-21.991114	0.052605	0.134710
11	P2	-10.670590	0.030109	0.081468
15	P2	-4.824619	0.026962	0.053095
19	P2	-6.822123	0.027471	0.064433
22	P2	-8.125695	0.029490	0.085566
26	P2	-24.254467	0.032613	0.000774
30	P2	-21.768356	0.036206	0.098520

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.045211	0.003290	0.021197
7	P3	-8.045275	0.003303	0.020829
11	P3	-8.045298	0.003299	0.020546
15	P3	-8.045266	0.003309	0.020830
19	P3	-8.045262	0.003287	0.020675
22	P3	-8.045346	0.003300	0.020678
26	P3	-8.045240	0.003297	0.020714
30	P3	-8.045261	0.003307	0.020534

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	0.000612668
	stdev	2.31764e-07
MEAN Q	mean	0.000401347
	stdev	2.49106e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.109279
	stdev	0.00255007
STDEV Q	mean	0.109353
	stdev	0.00259935

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007022[567]
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_1PNPDE20070225_022551_000000212055_00476_26081_1575.N1	1	0
ASA_WVS_1PNPDK20070225_151346_000000152055_00483_26088_8098.N1	0	8

ASA_WVS_1PNPDK20070225_151416_000001352055_00483_26088_8120.N1	0	8
ASA_WSM_1PNPDE20070225_141210_000000852055_00483_26088_1631.N1	0	16
ASA_WSM_1PNPDE20070226_153355_000000672055_00498_26103_2948.N1	0	57
ASA_WSM_1PNPDE20070226_165904_000002192055_00499_26104_3039.N1	0	74
ASA_WSM_1PNPDE20070226_165904_000002192055_00499_26104_3045.N1	0	74
ASA_WSM_1PNPDE20070227_002822_000002612056_00002_26108_3509.N1	0	27

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

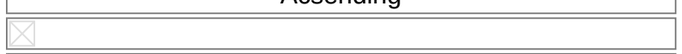
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

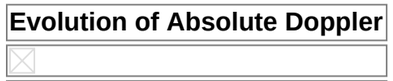
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

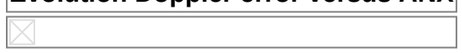
Acsending

Descending

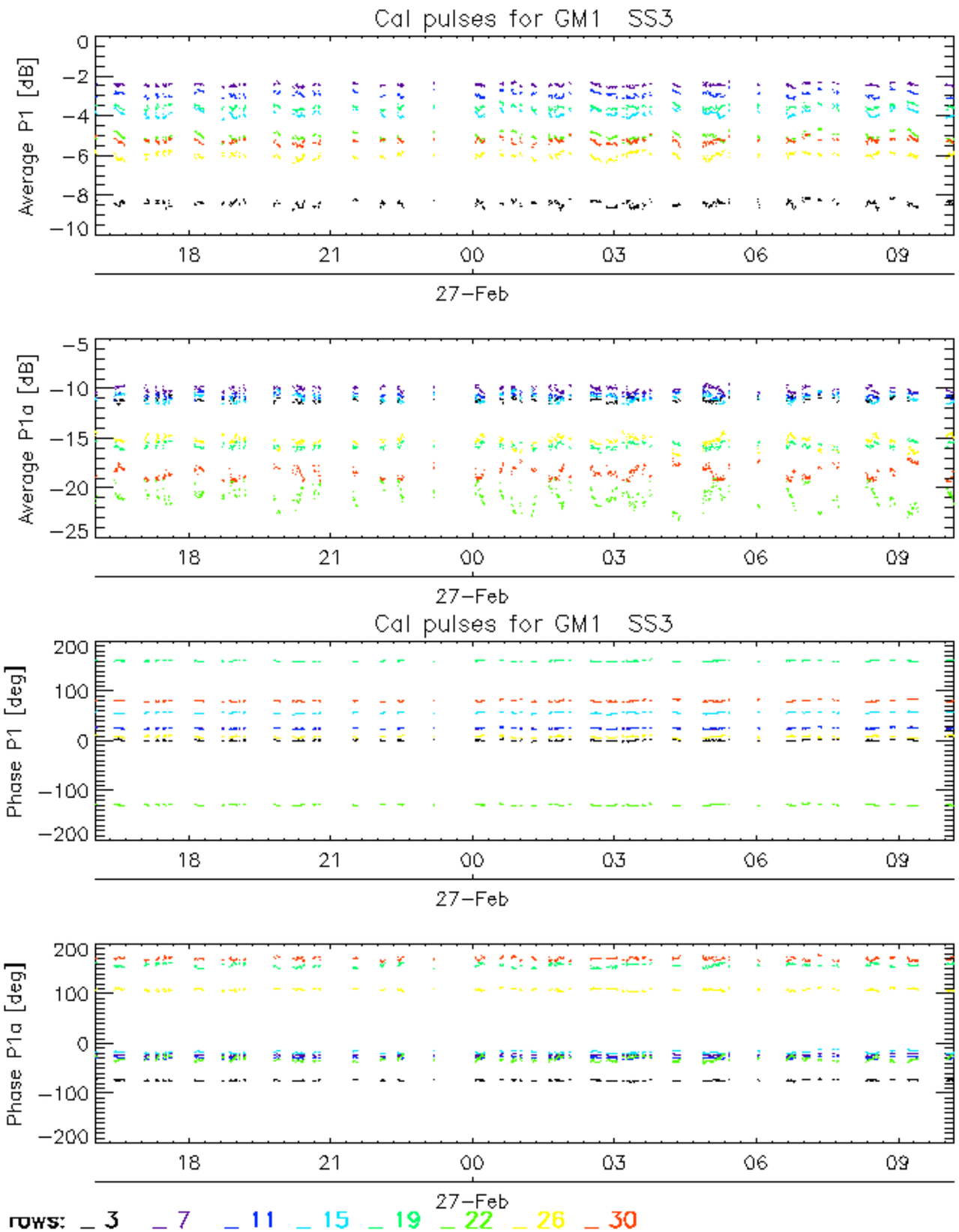
7.5 - Absolute Doppler for GM1

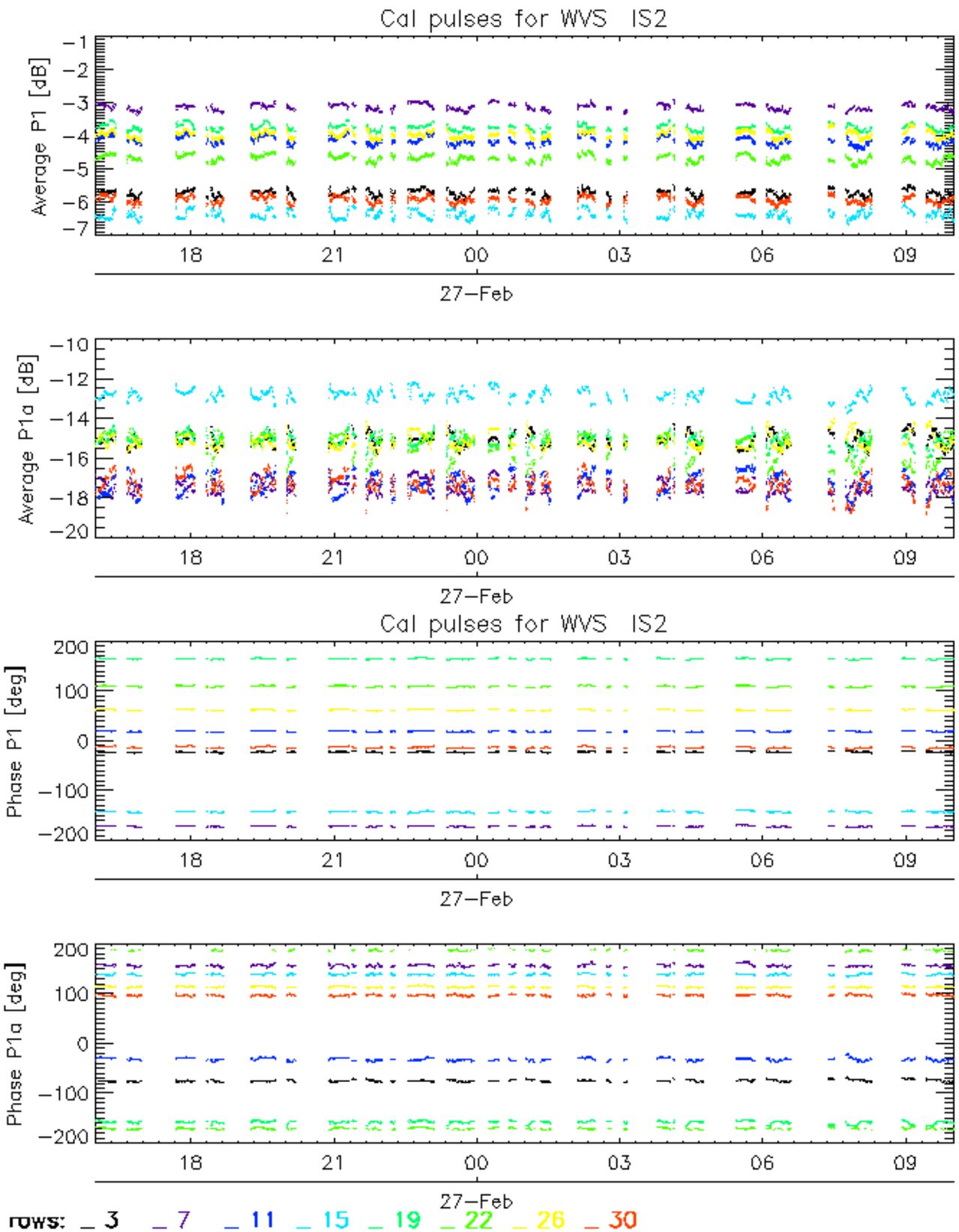
Evolution of Absolute Doppler

Acsending

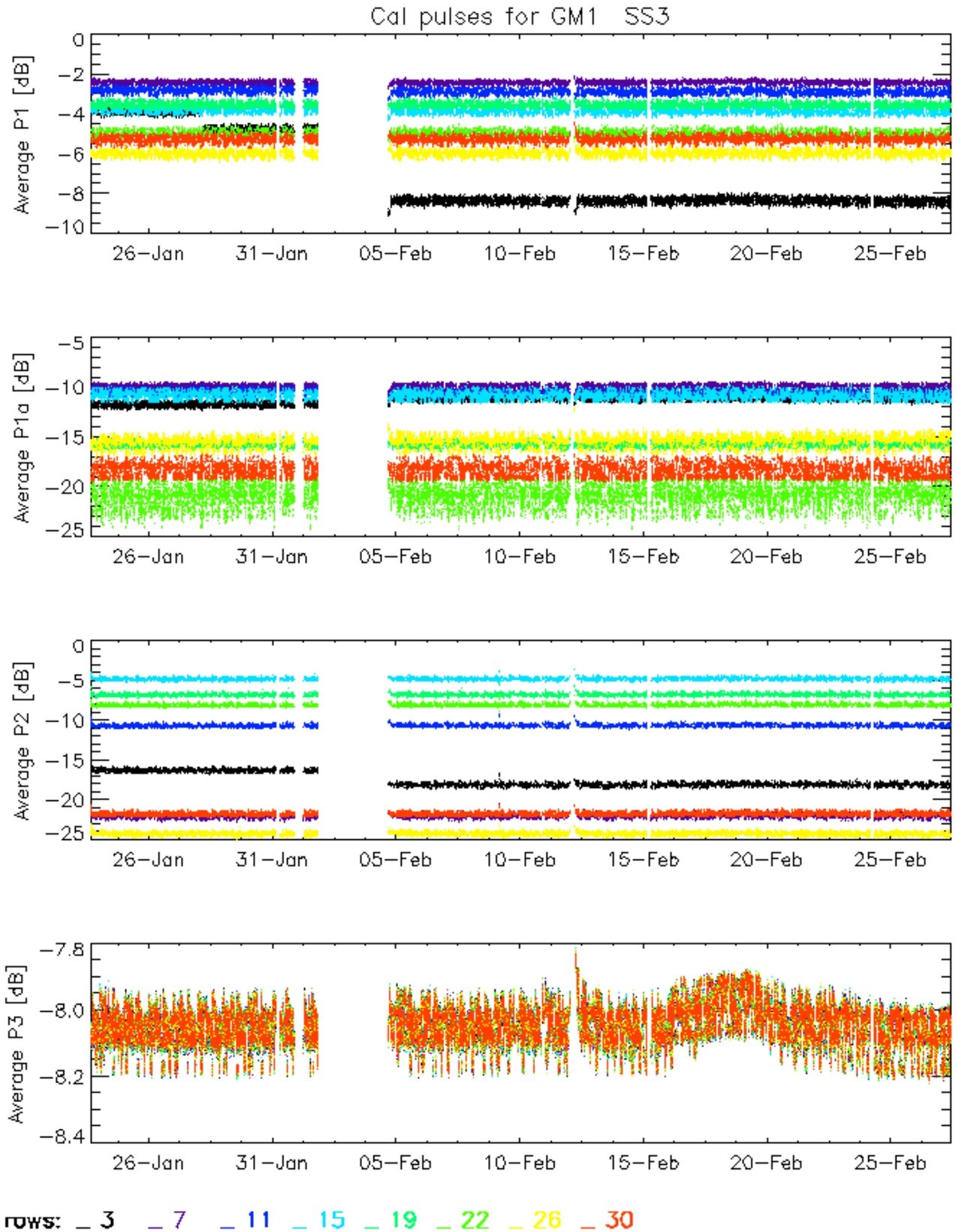
Descending

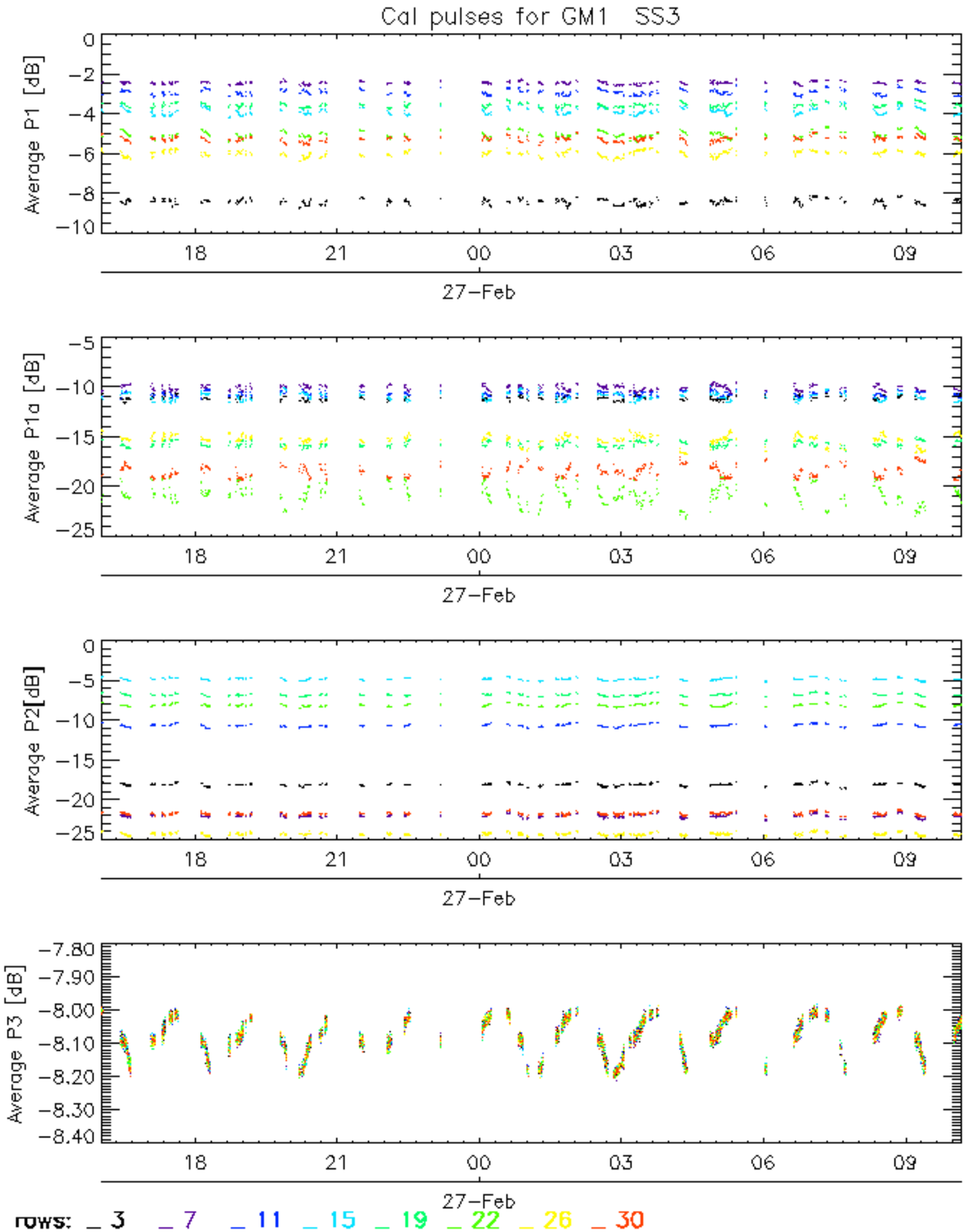
7.6 - Doppler evolution versus ANX for GM1

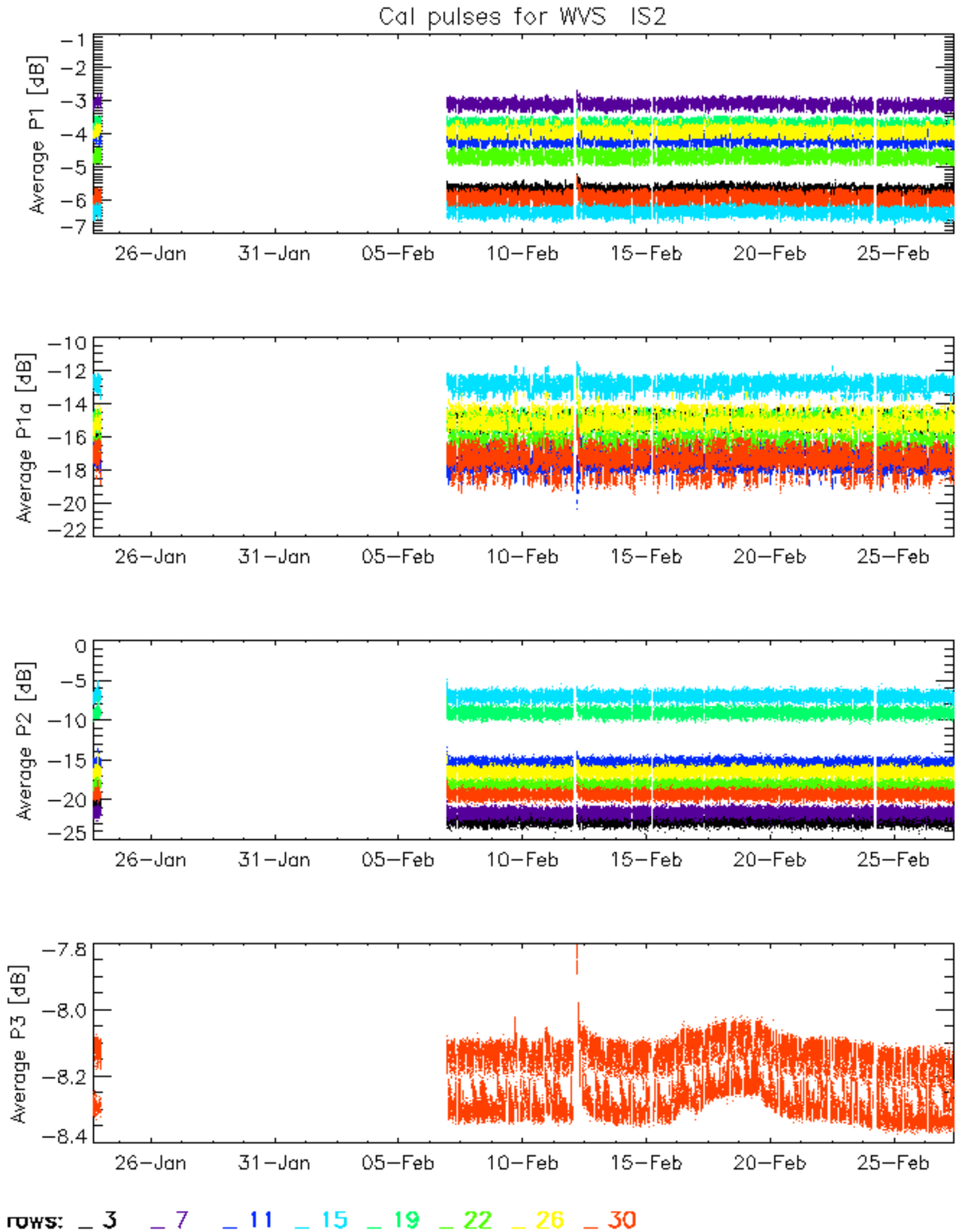
Evolution Doppler error versus ANX


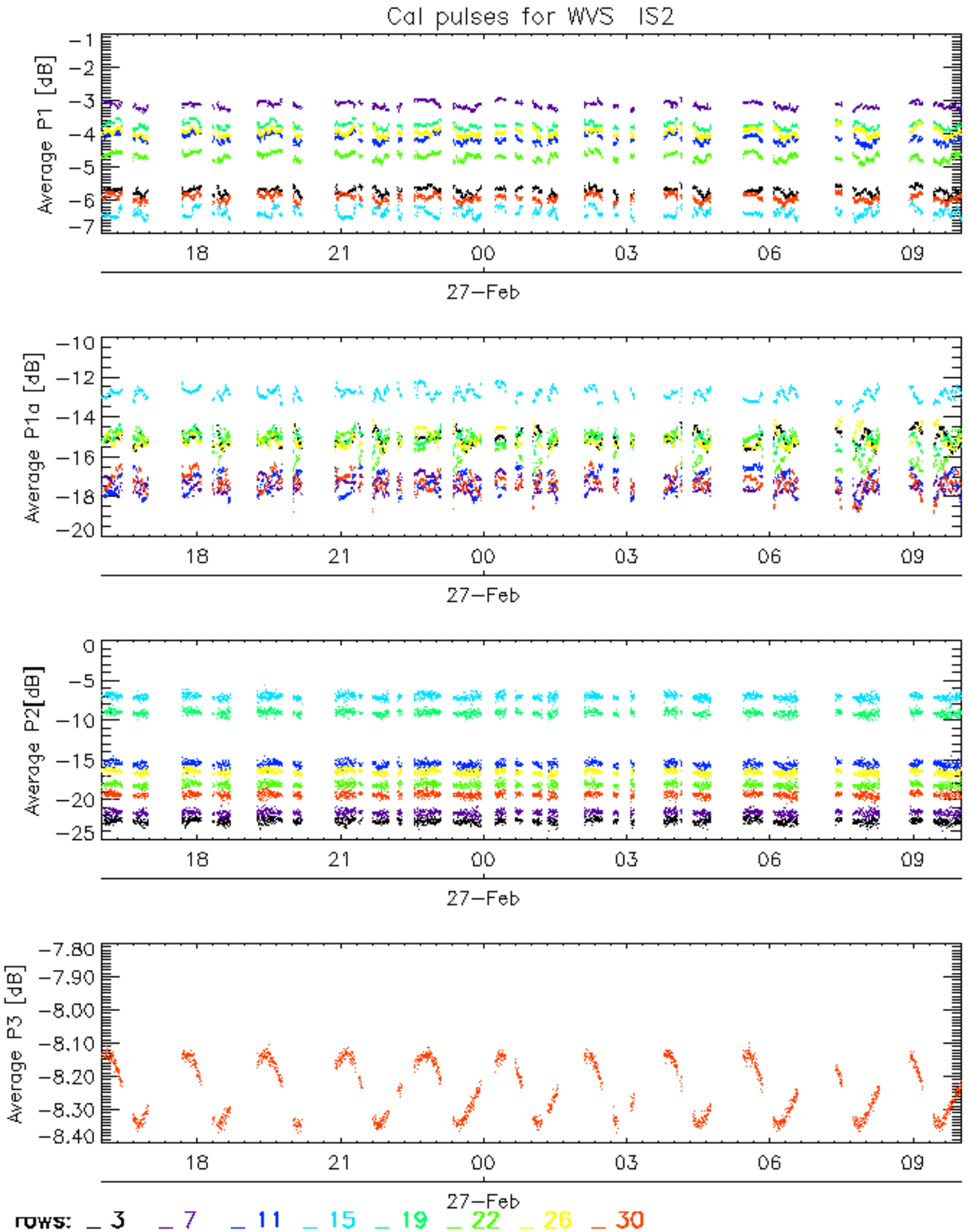

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
27−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
27−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
27−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
27−Feb
rows: 3 7 11 15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


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

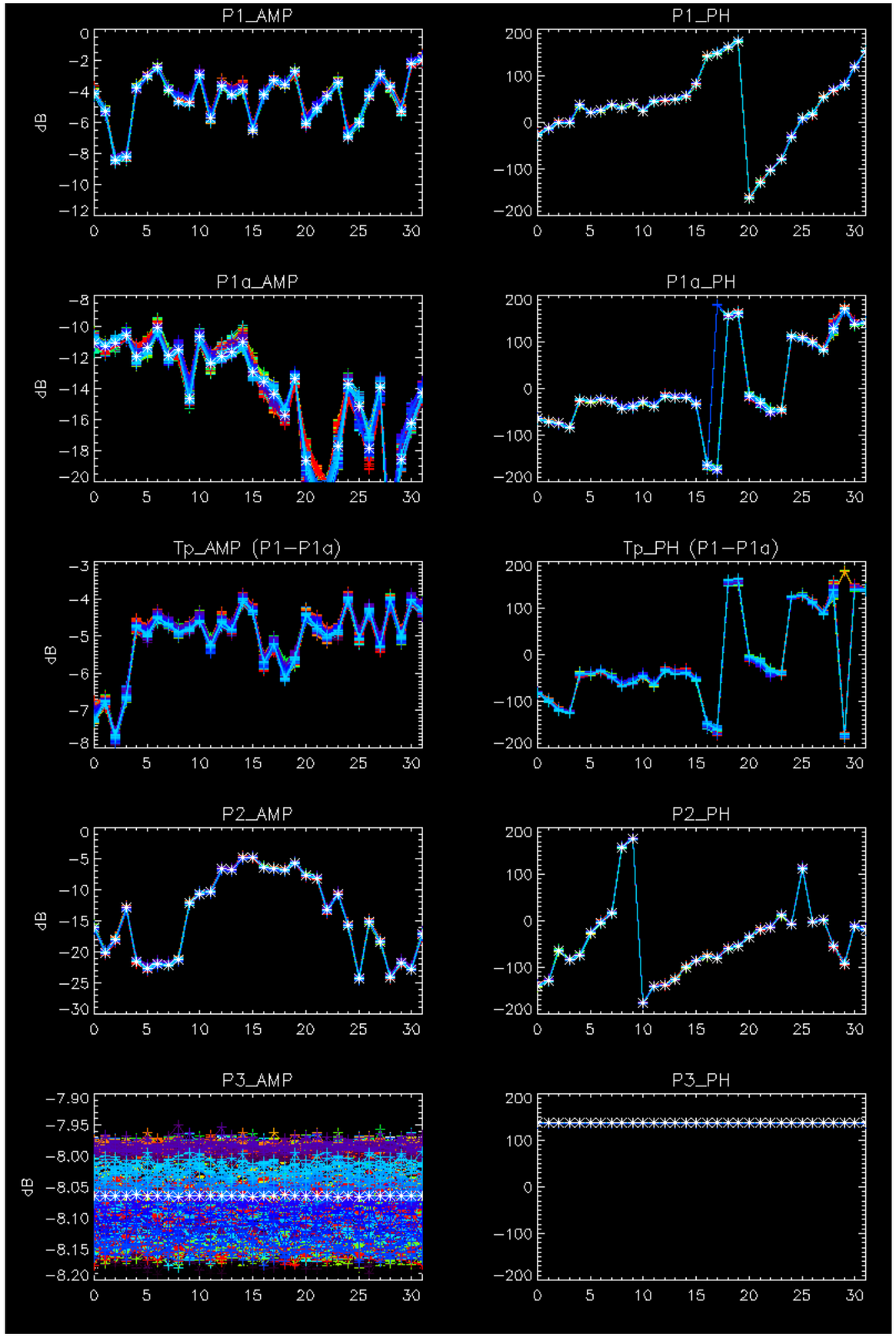

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

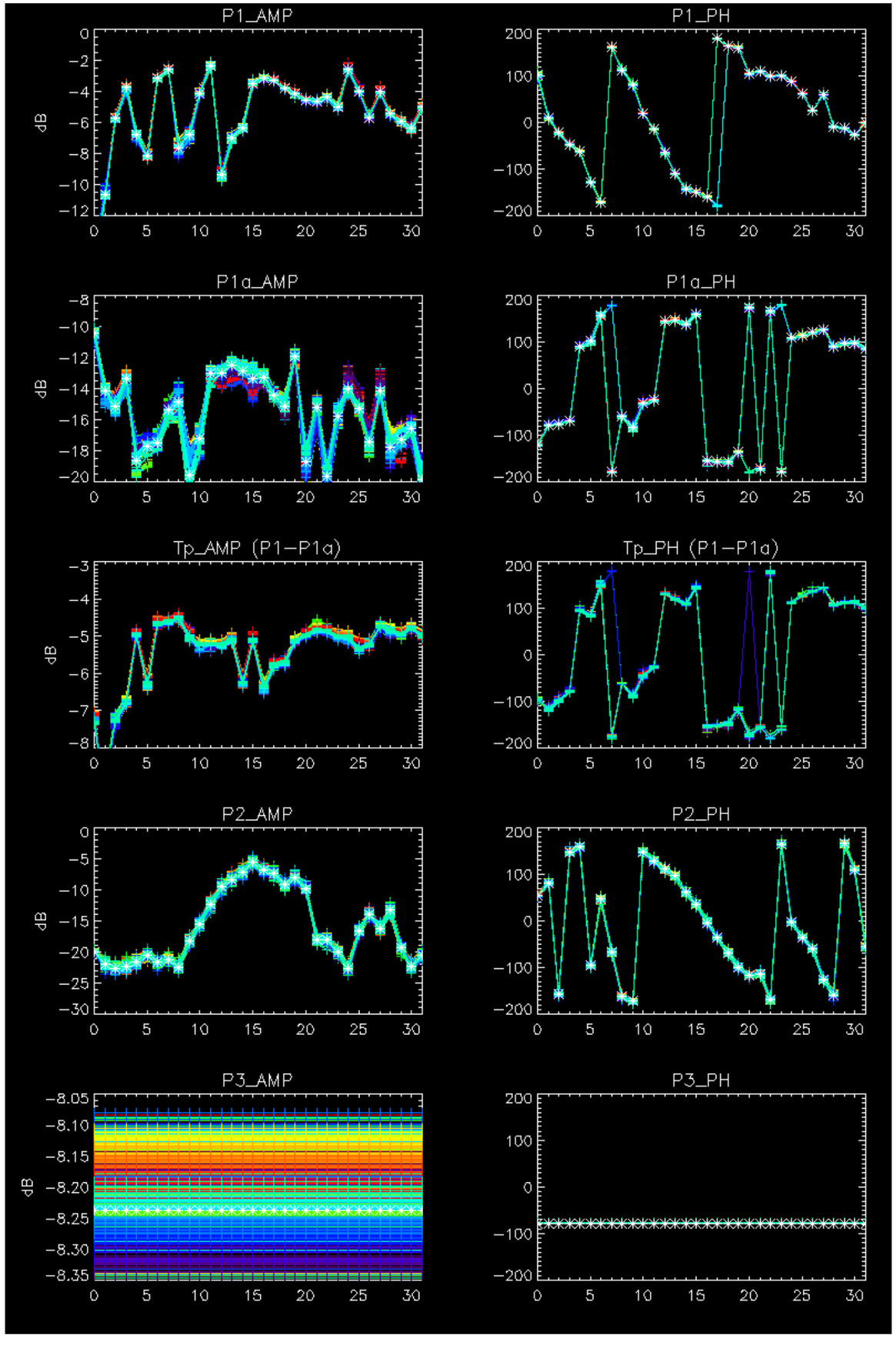

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
27−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
27−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
27−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
27−Feb
rows: _ 3 _ 7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


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


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

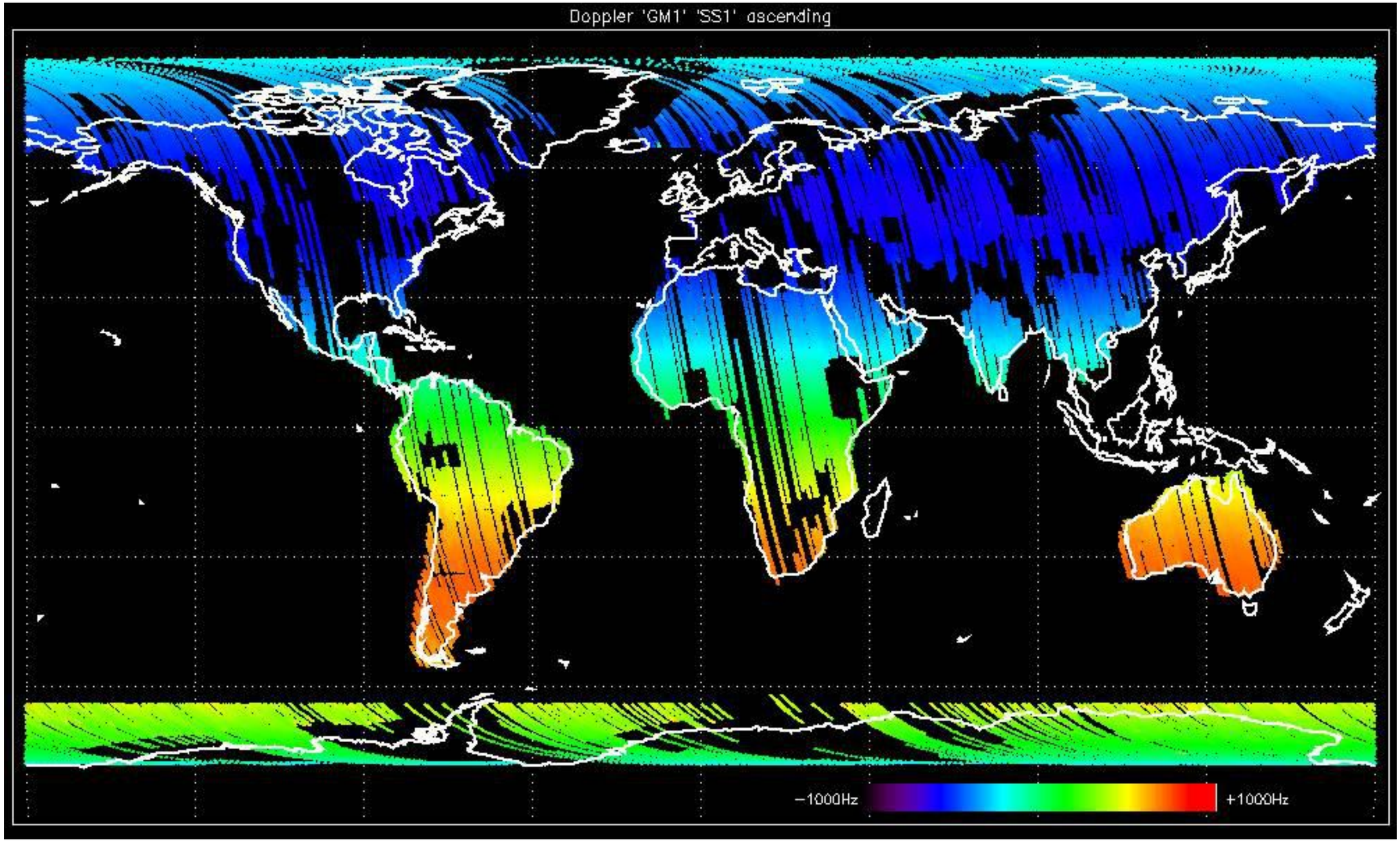
No anomalies observed.

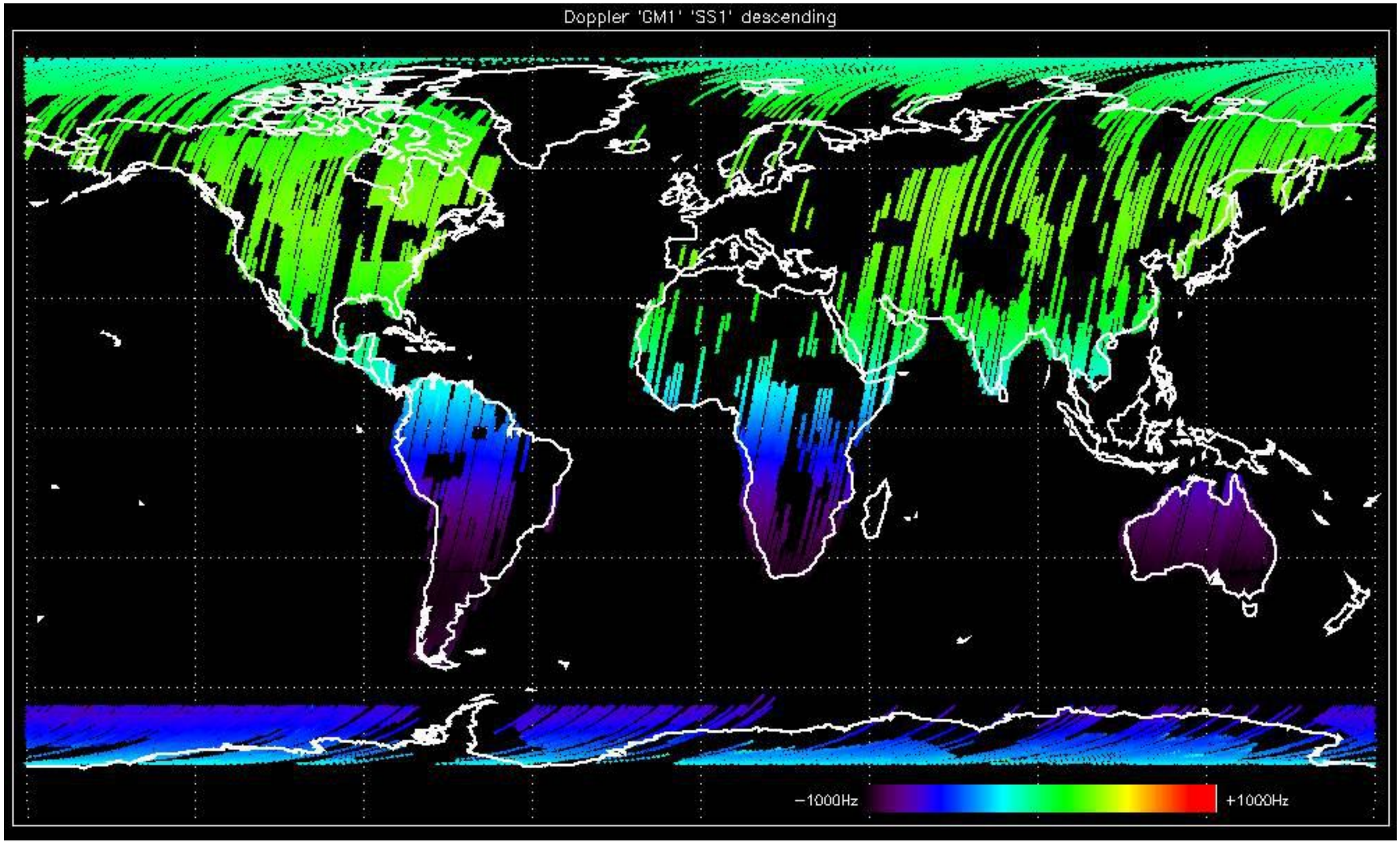

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

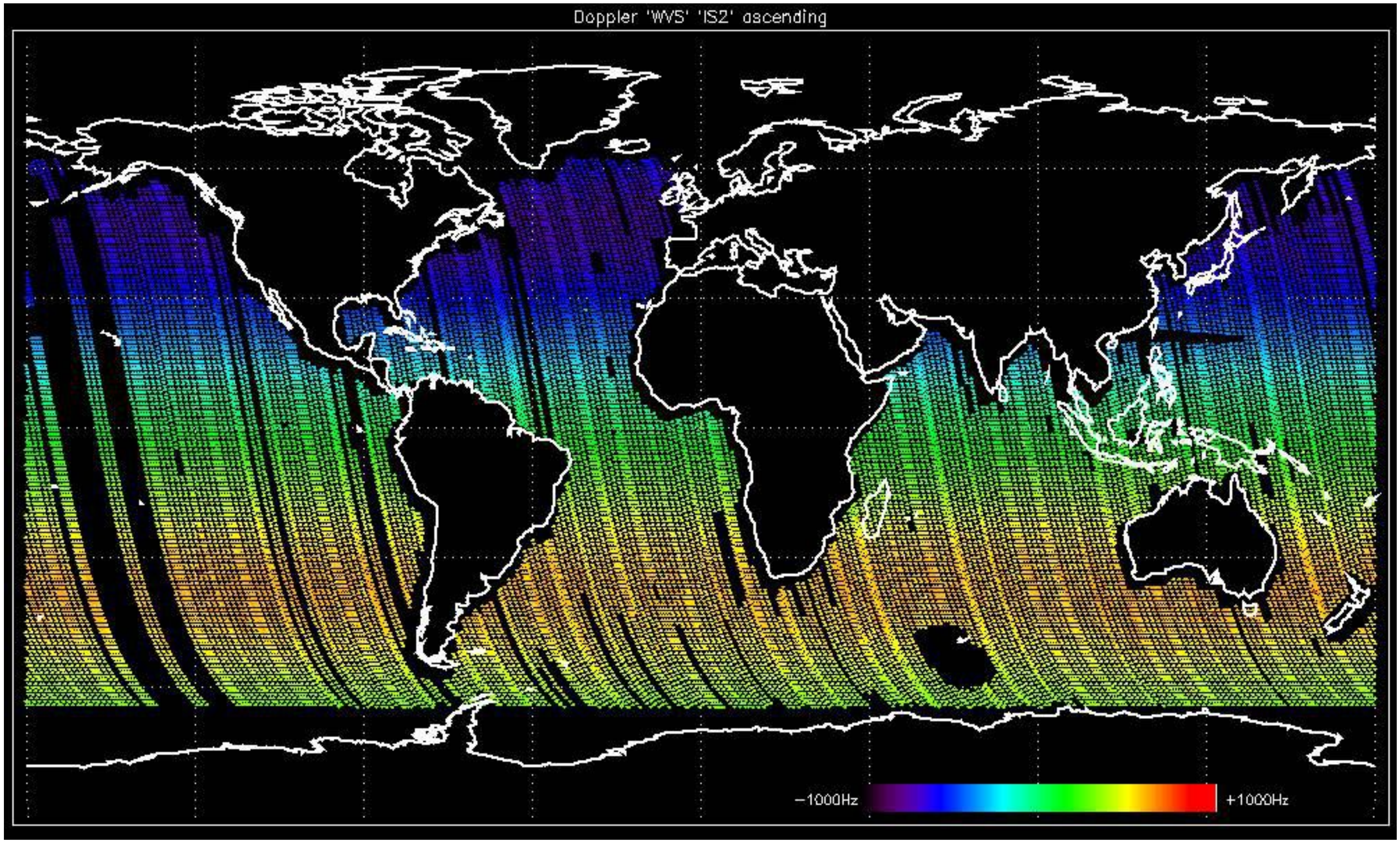

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

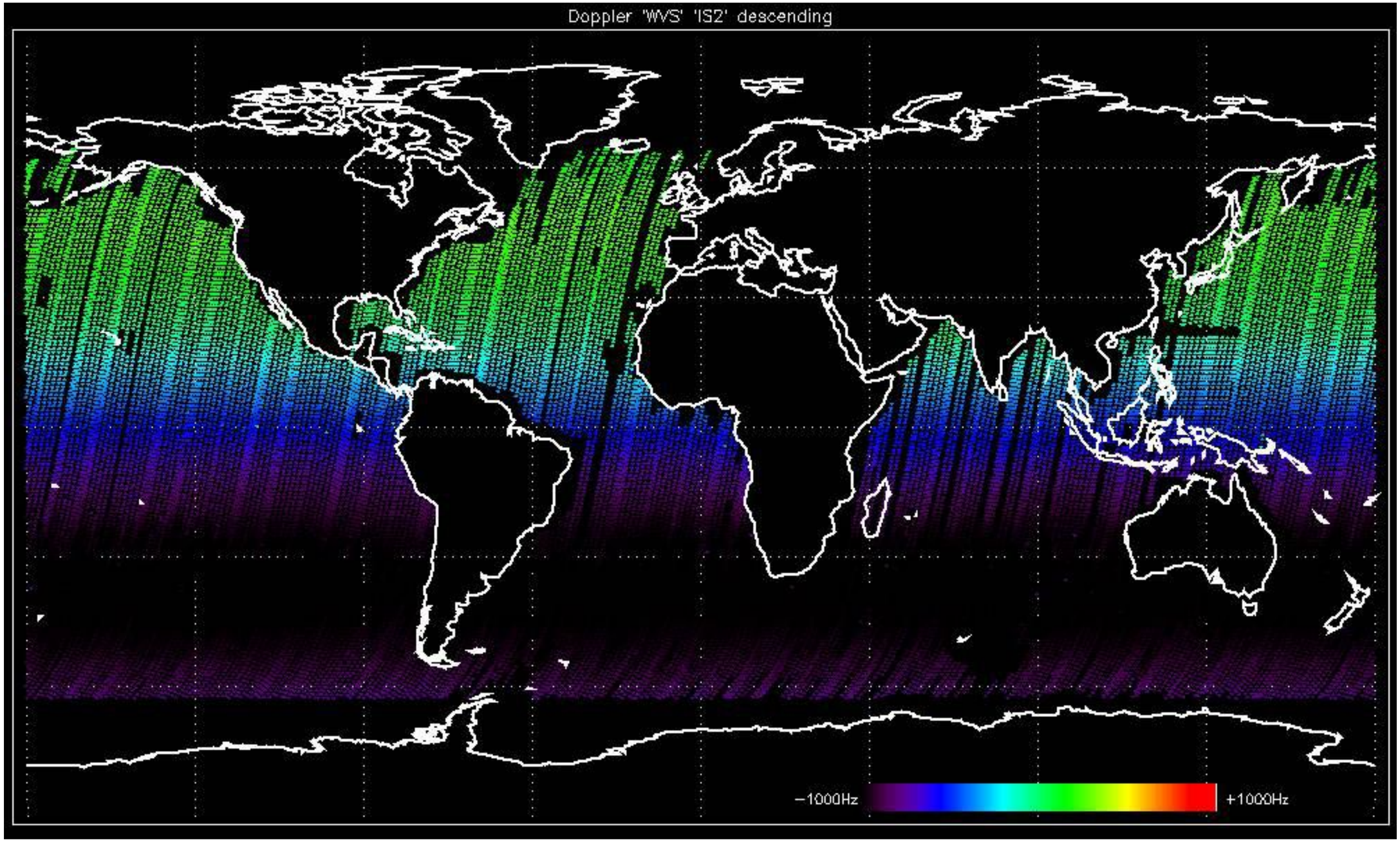
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

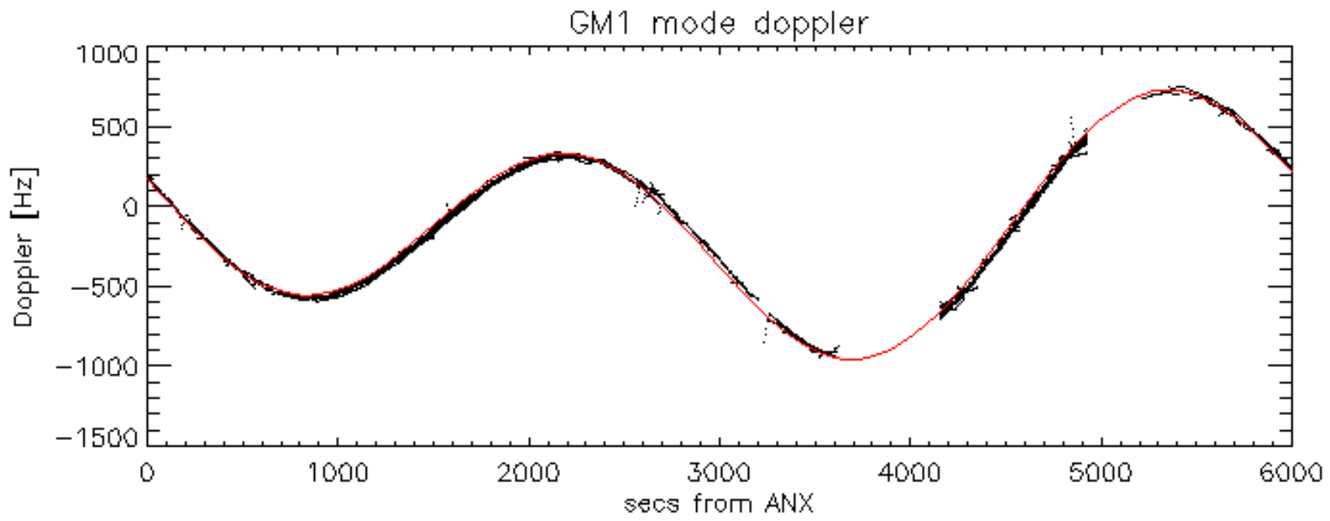
Preliminary report.The data is not yet controled

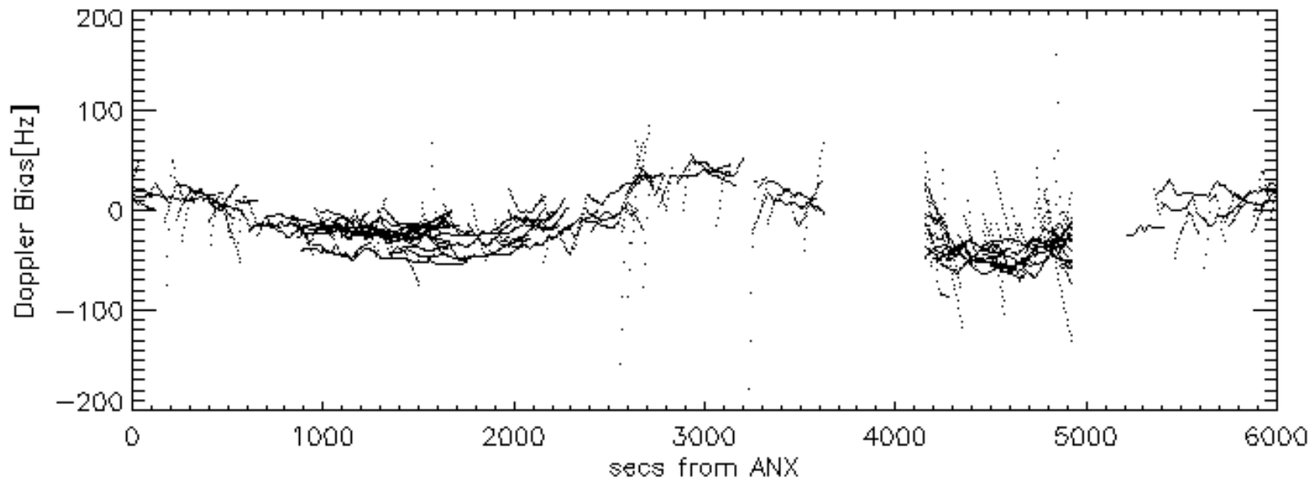

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

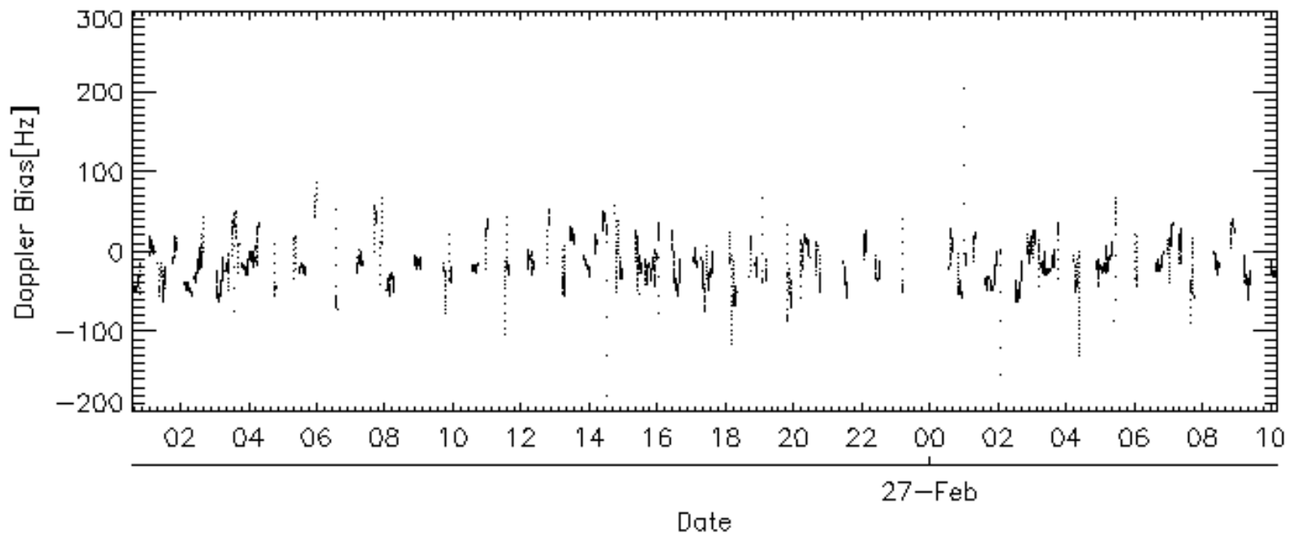

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

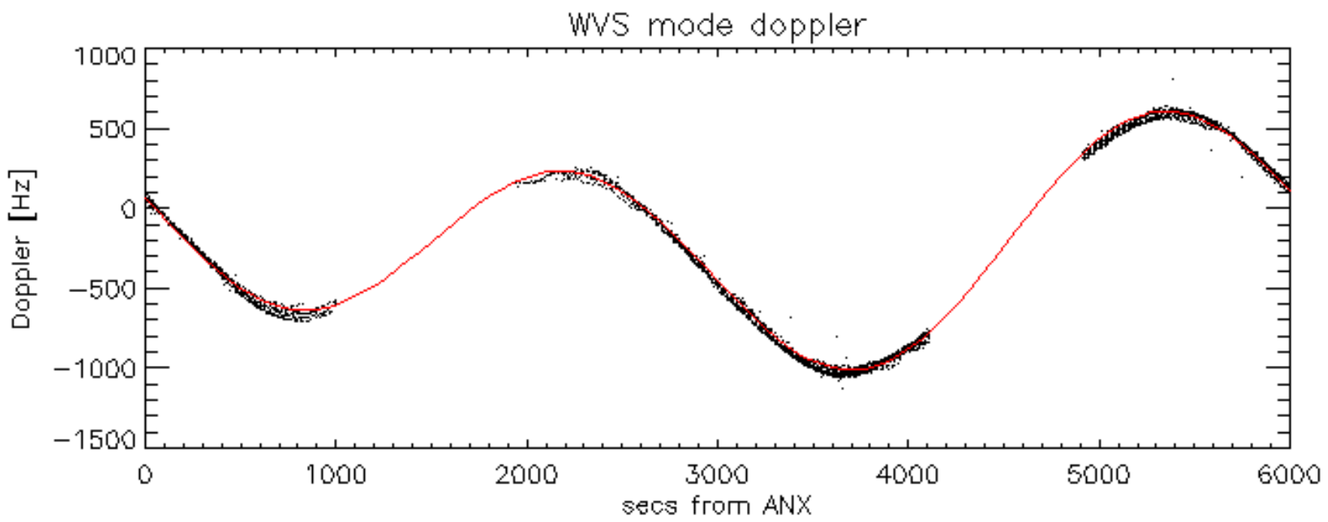

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

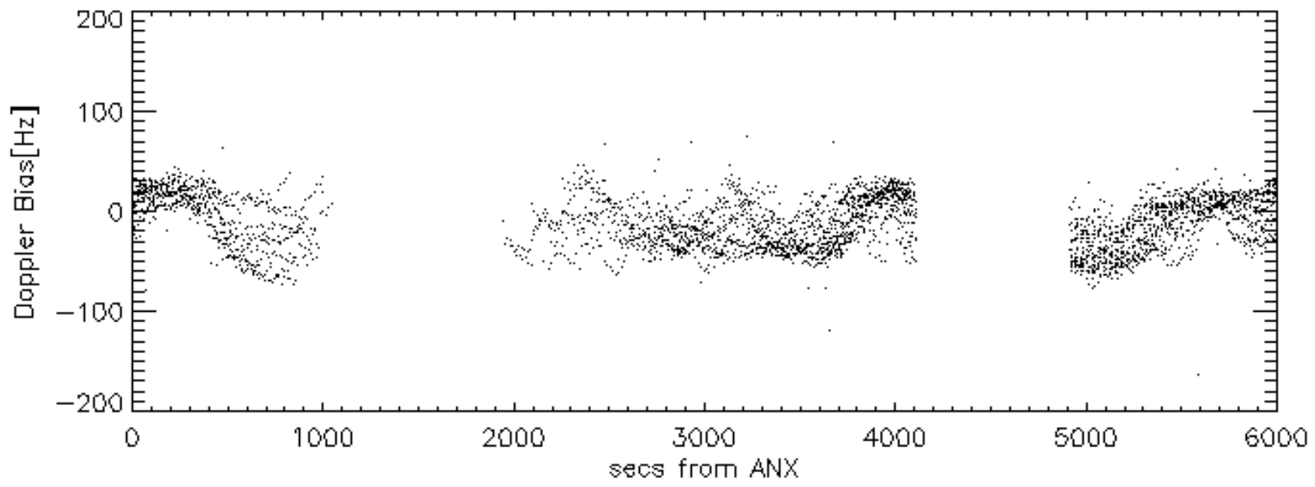

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

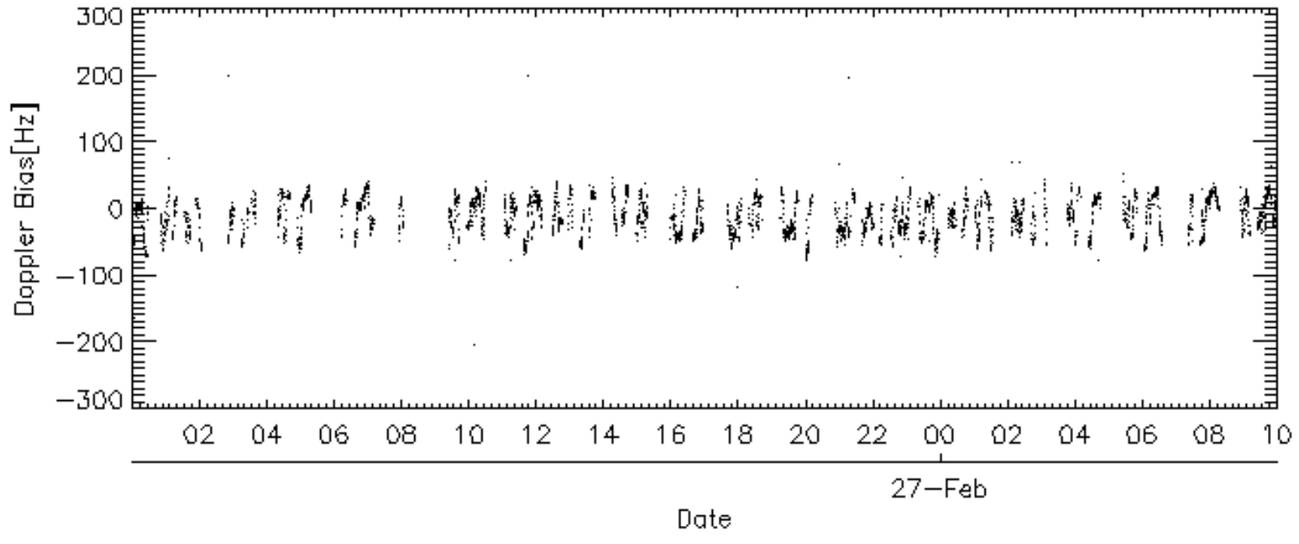

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

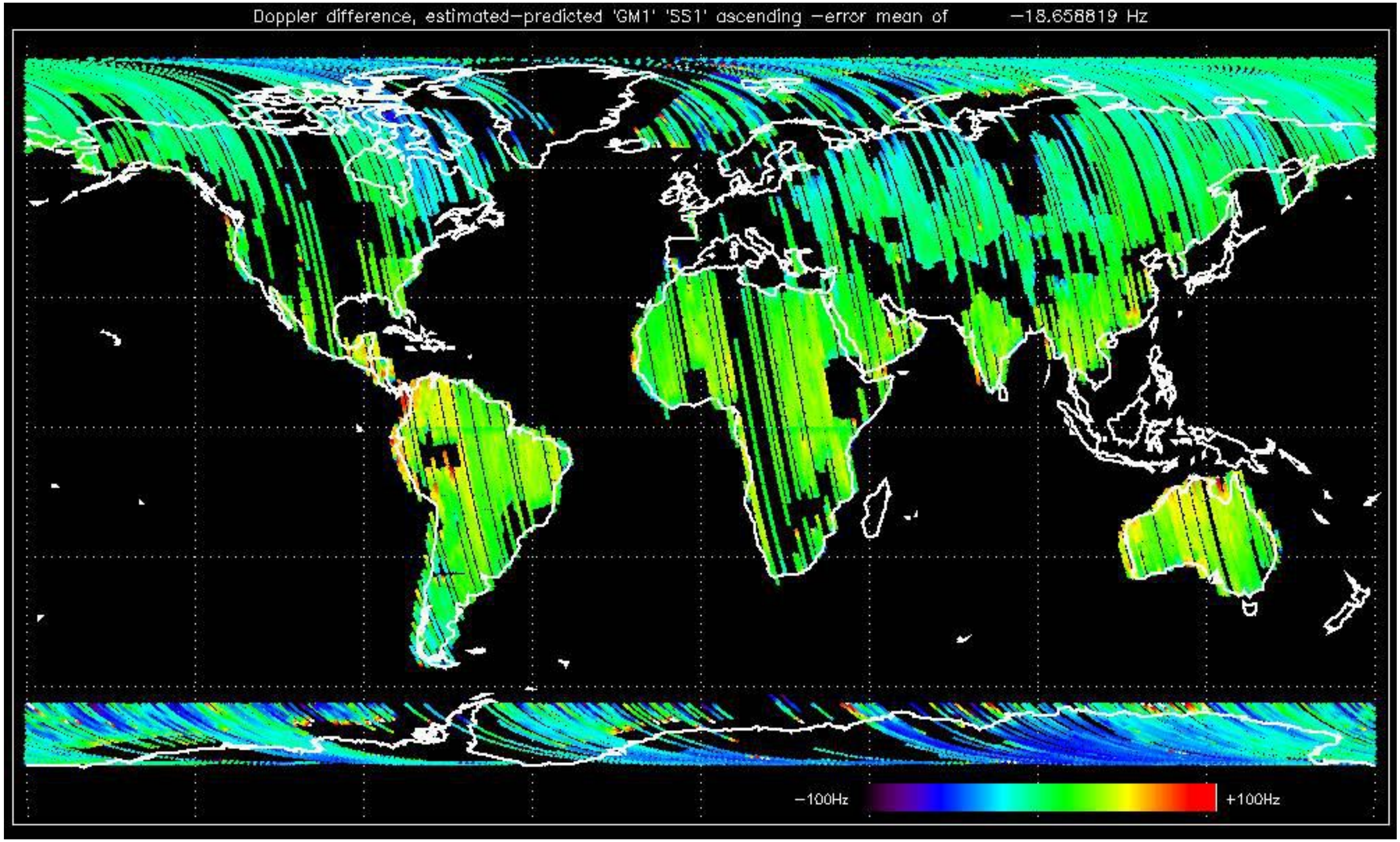

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

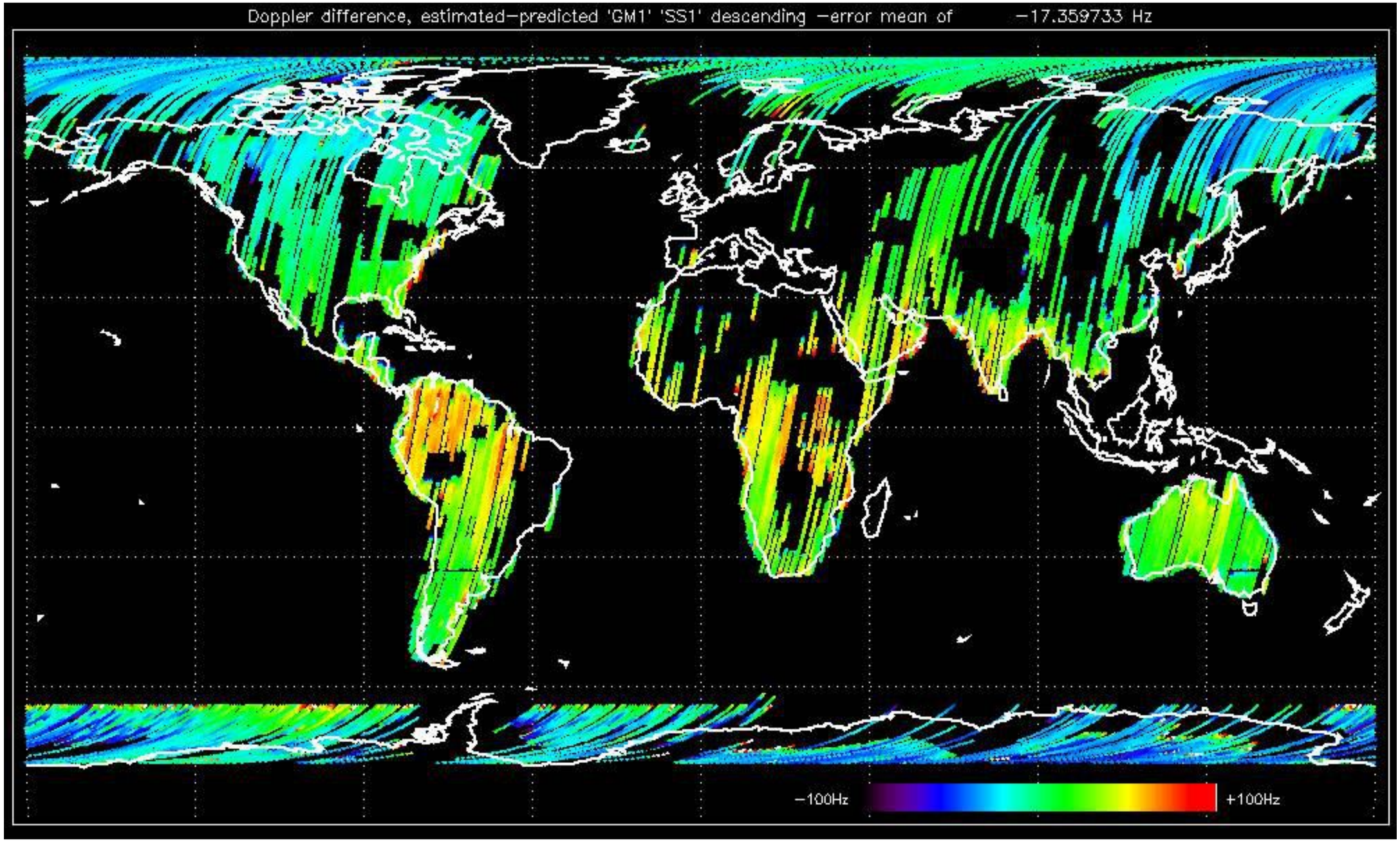

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
27−Feb
Date

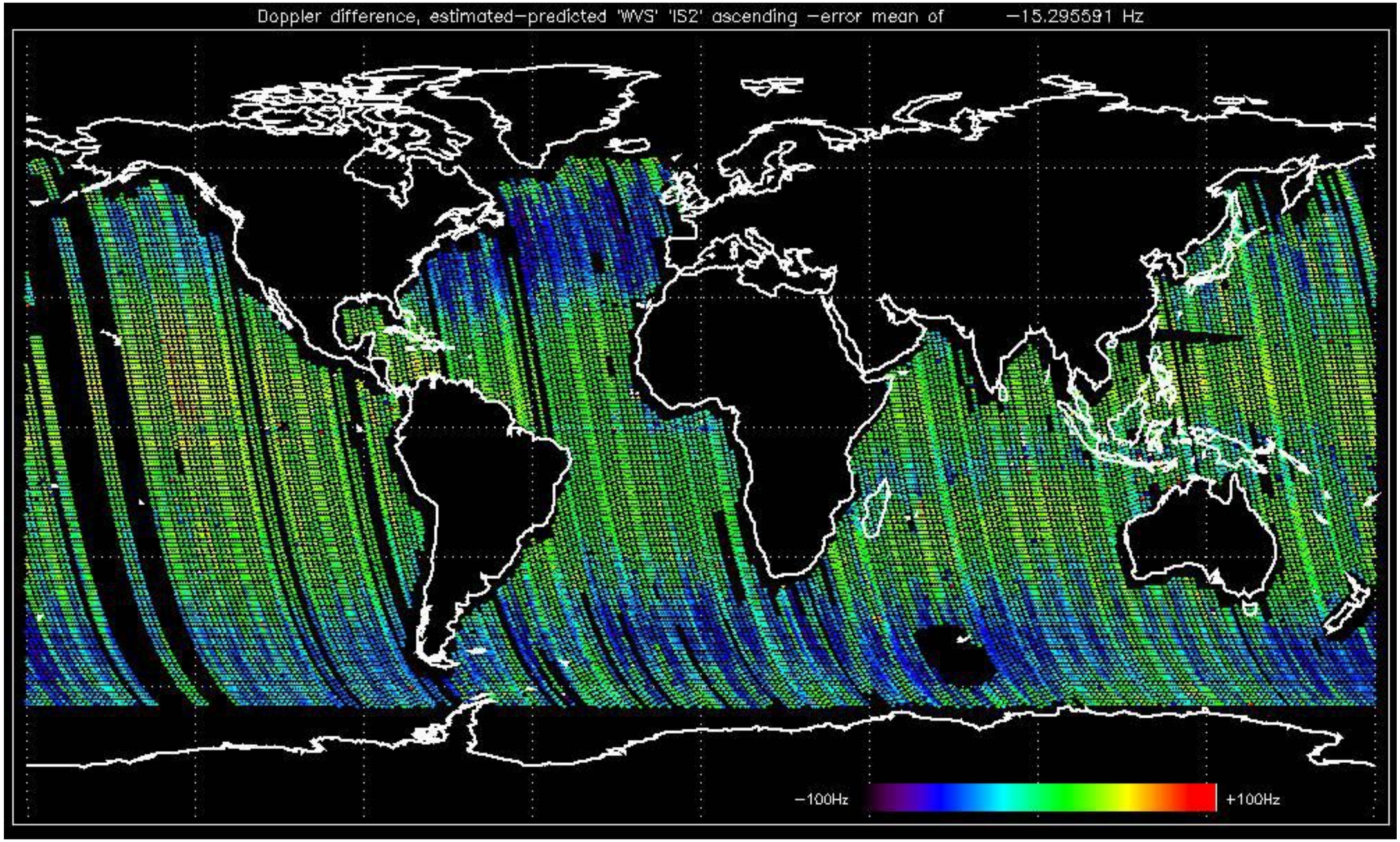

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

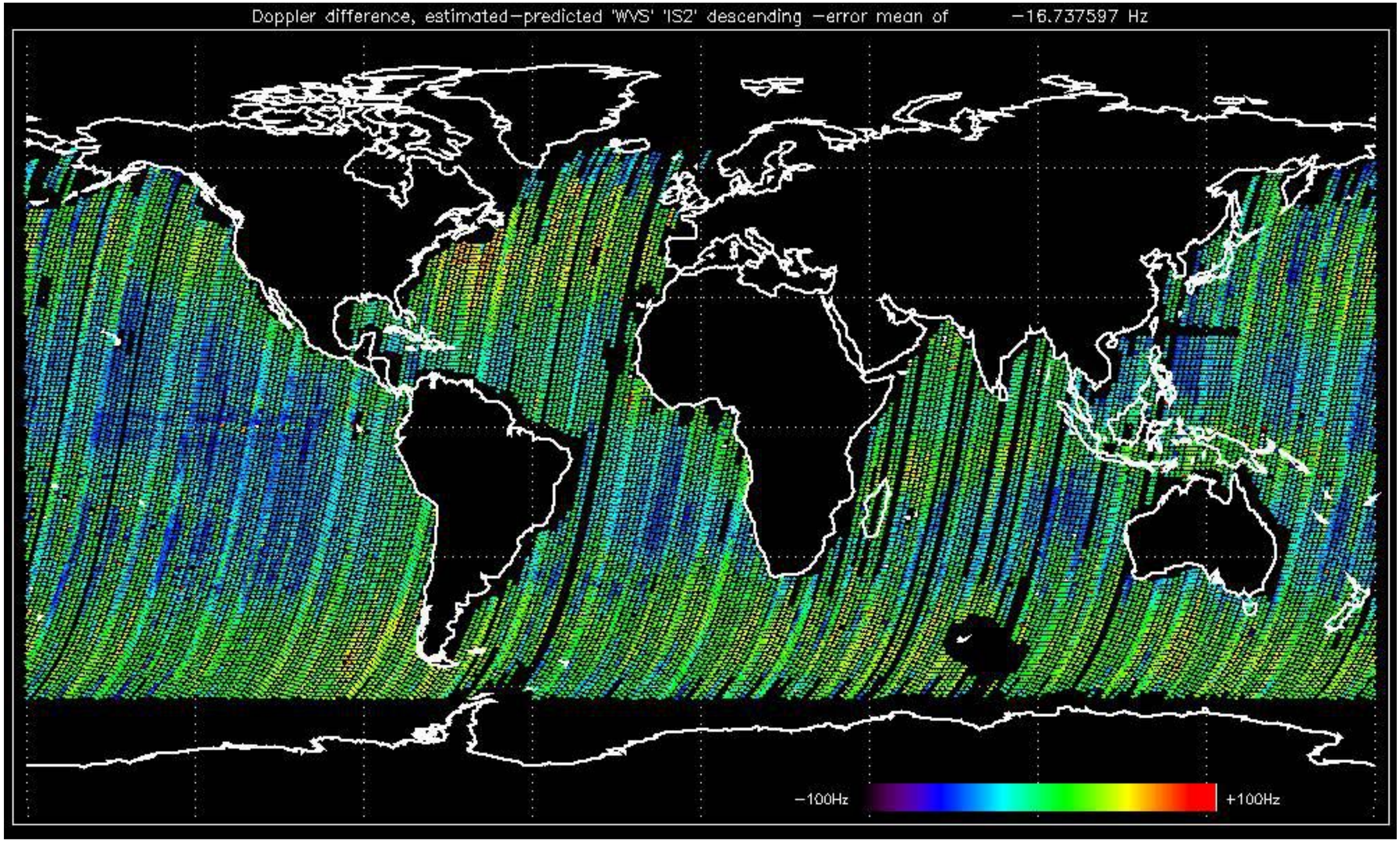

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.658819 Hz
−100Hz
+100Hz

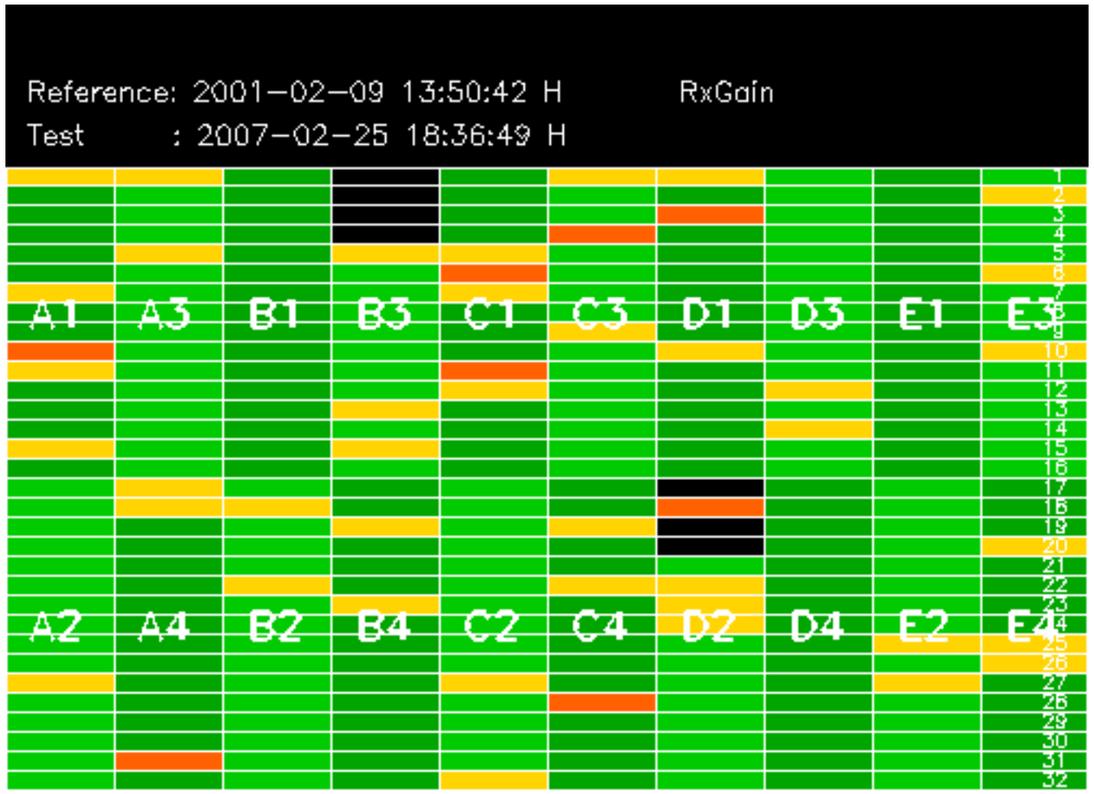

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −17.359733 Hz
−100Hz
+100Hz

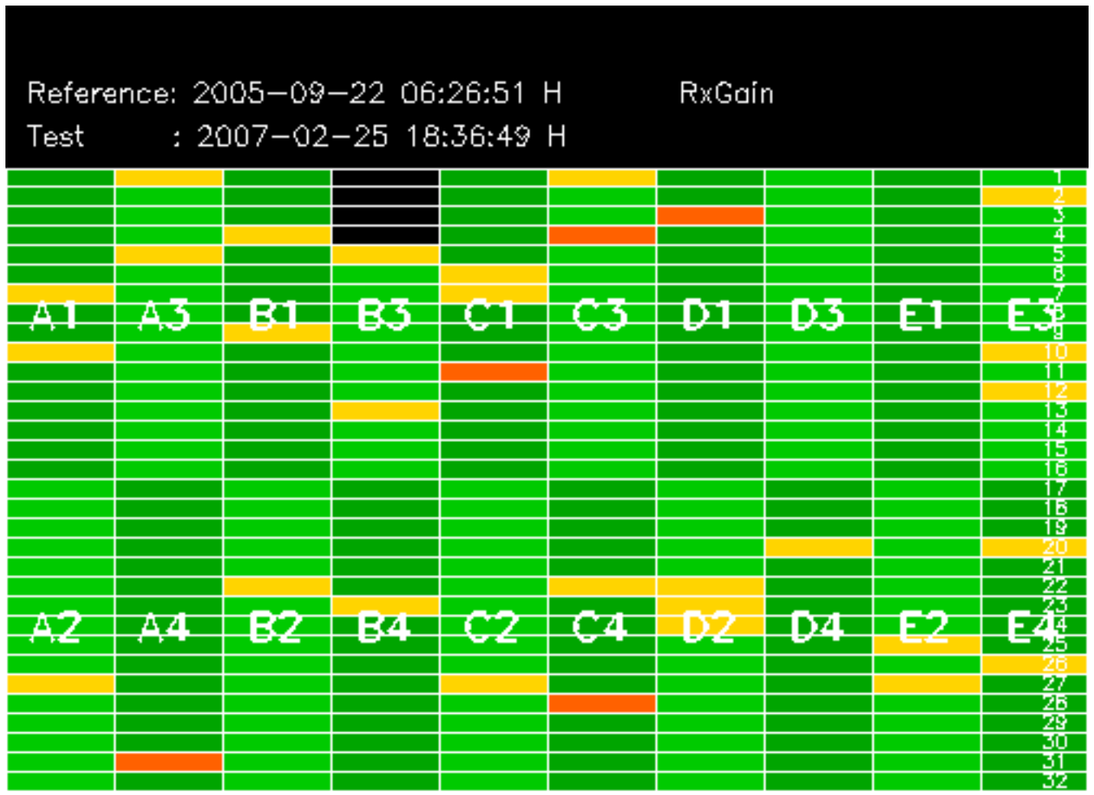

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.2955911 Hz
−100Hz
+100Hz

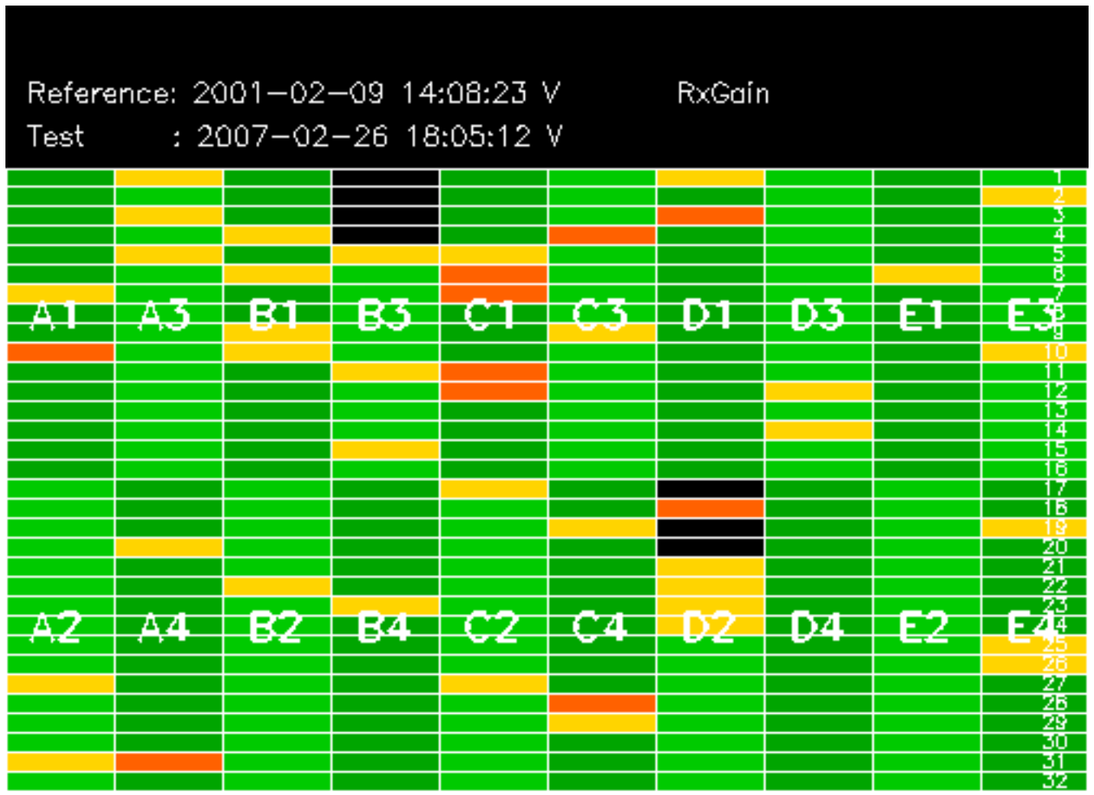

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −16.737597 Hz
−100Hz
+100Hz

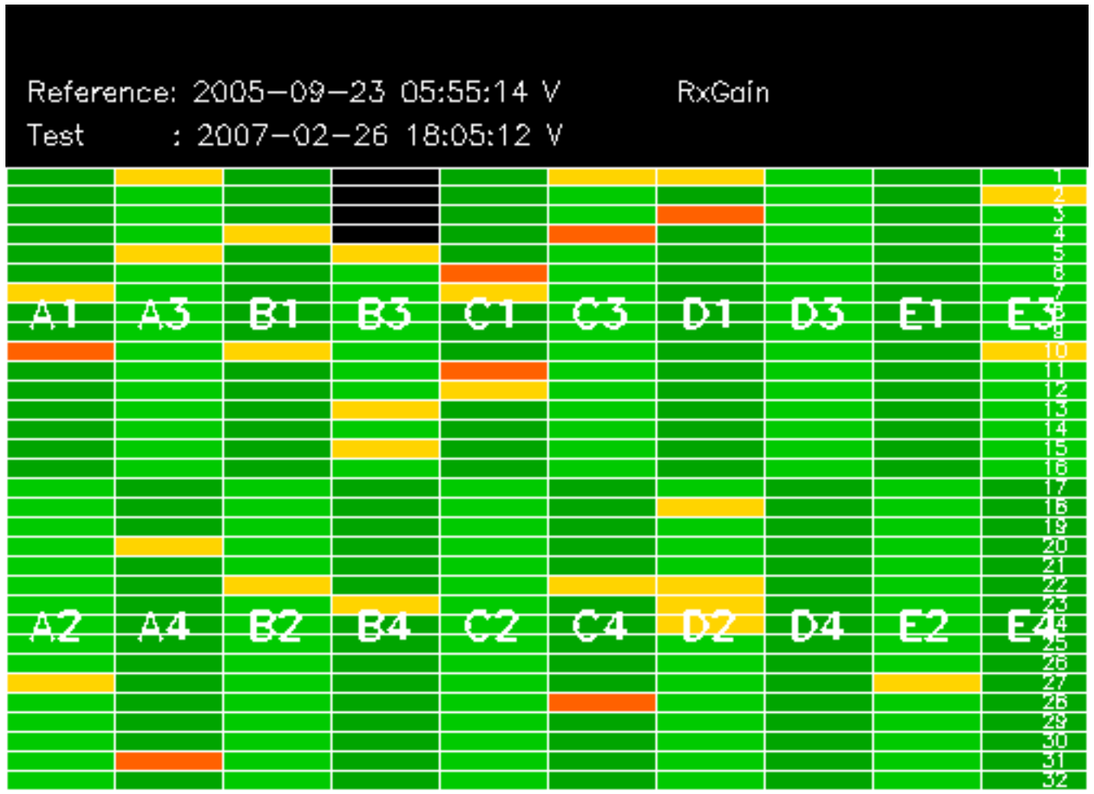
No anomalies observed on available MS products:

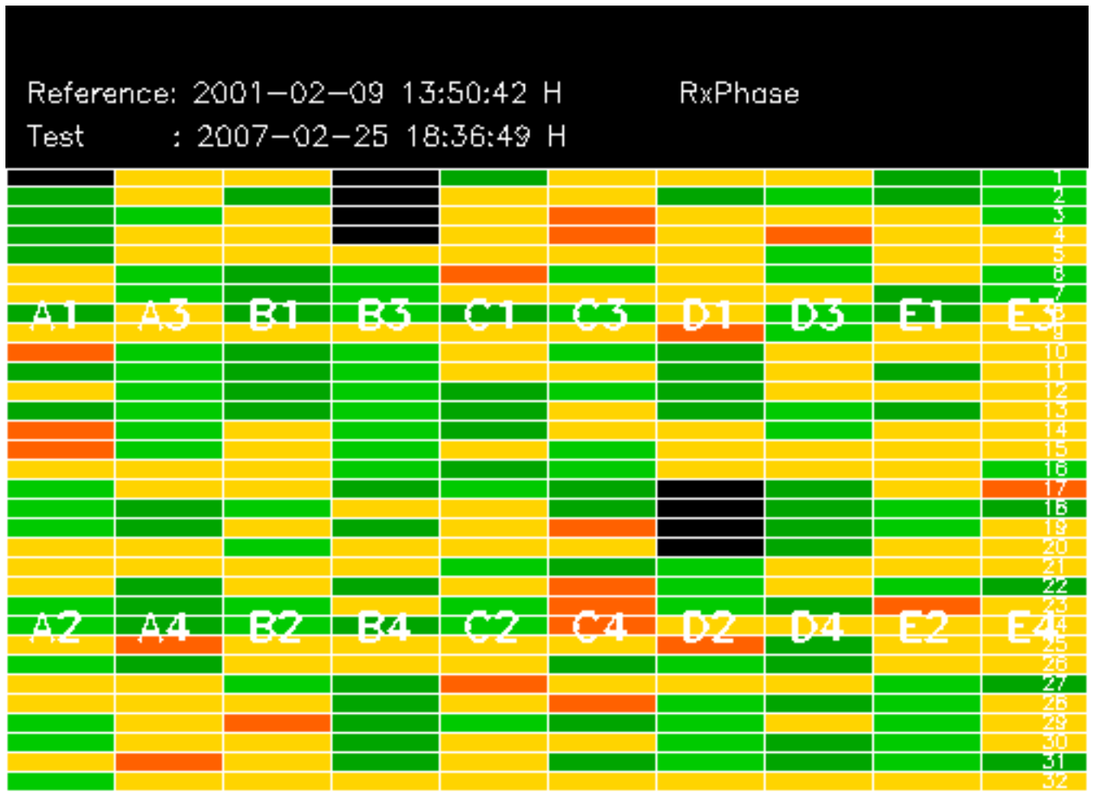
No anomalies observed.

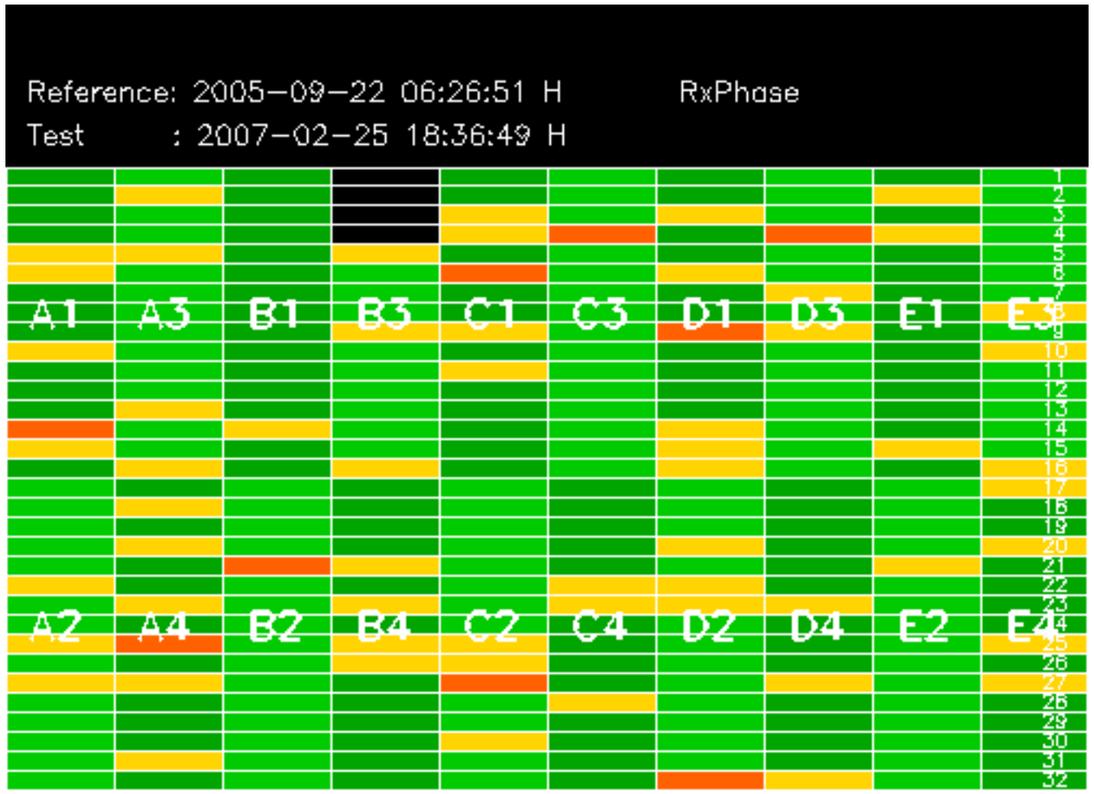

Reference: 2001-02-09 13:50:42 H
Test : 2007-02-25 18:36:49 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-02-25 18:36:49 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
RxGain
Test : 2007-02-26 18:05:12 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 : 2007-02-26 18:05:12 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 13:50:42 H
Test : 2007-02-25 18:36:49 H
RxPhase
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 : 2007-02-25 18:36:49 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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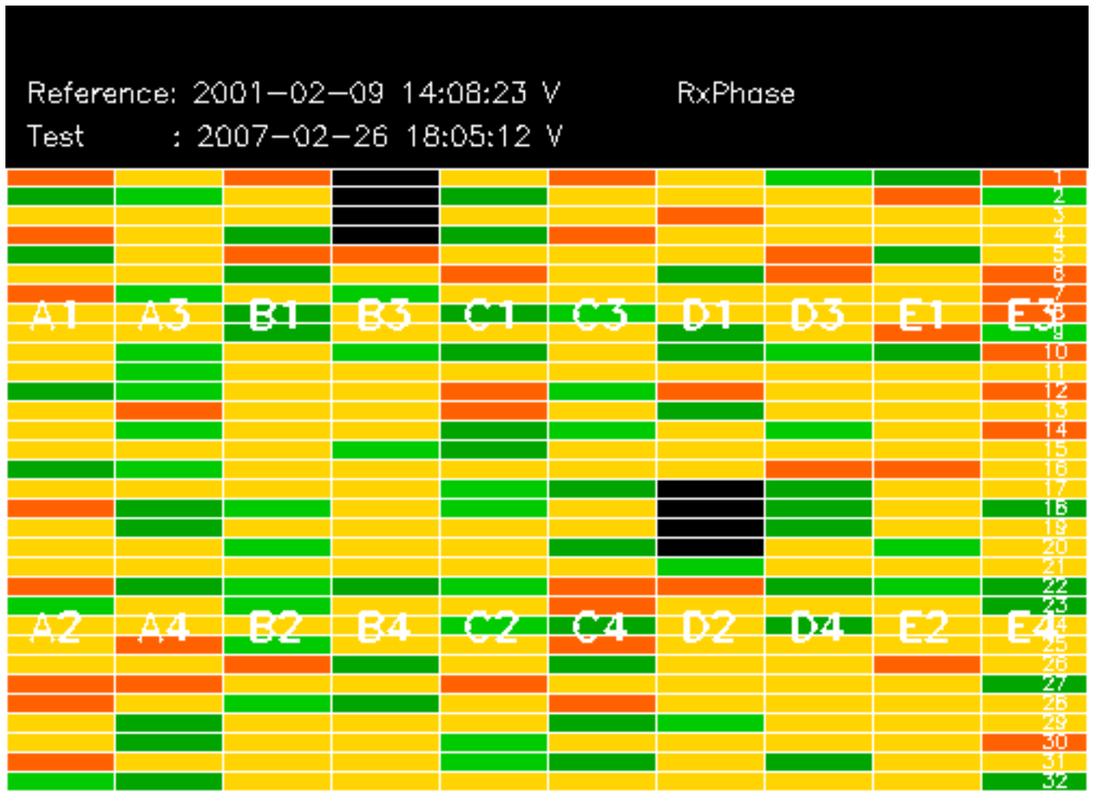
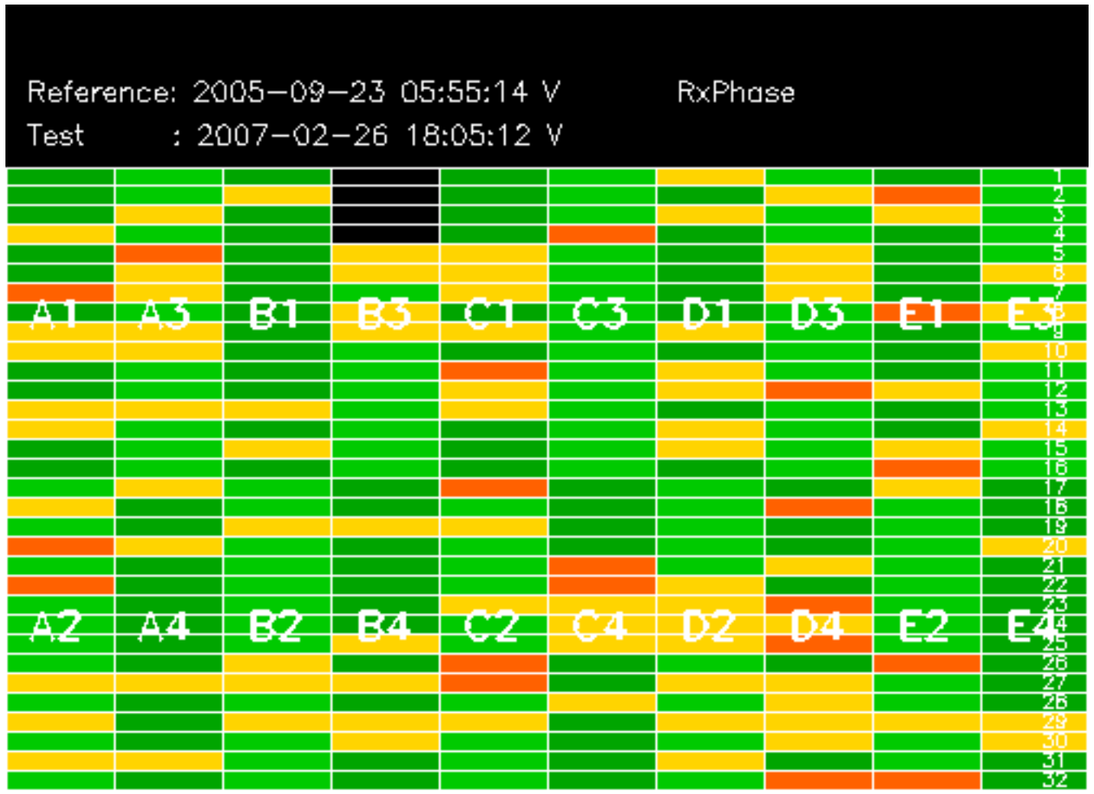

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-26 18:05:12 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-26 18:05:12 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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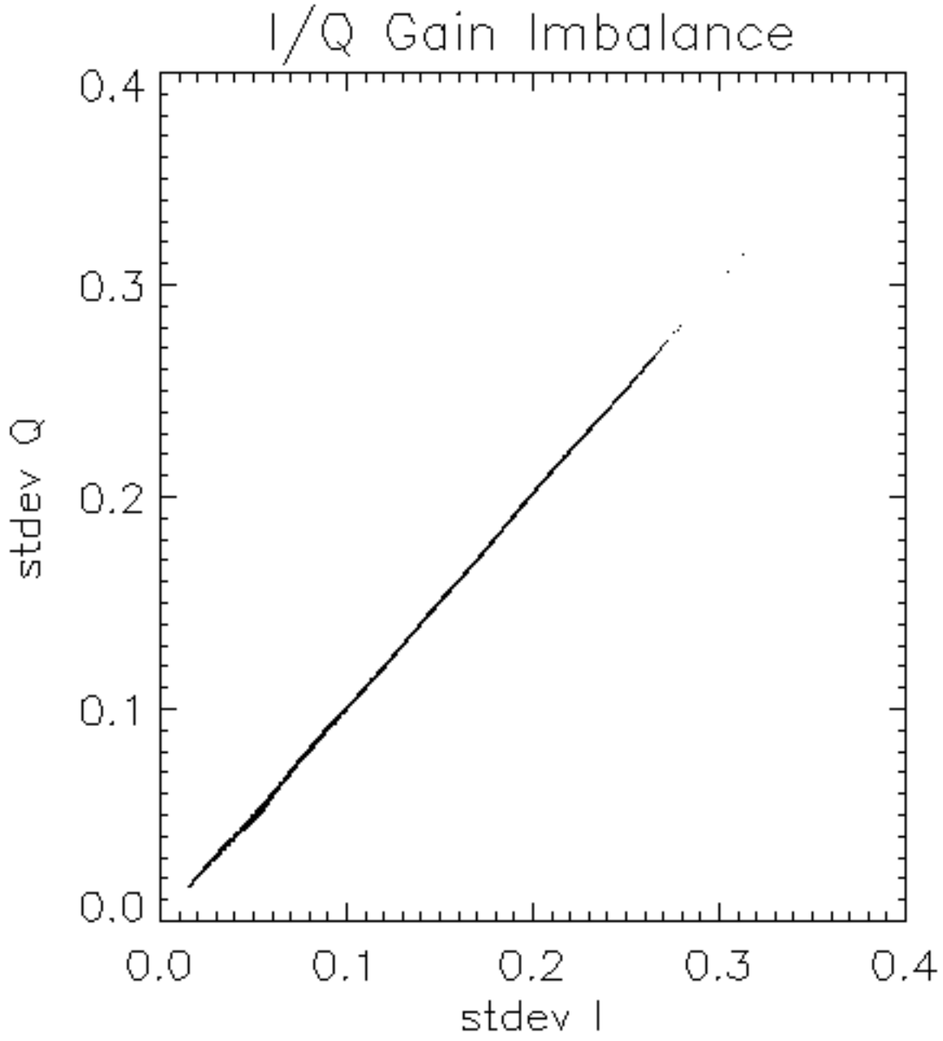
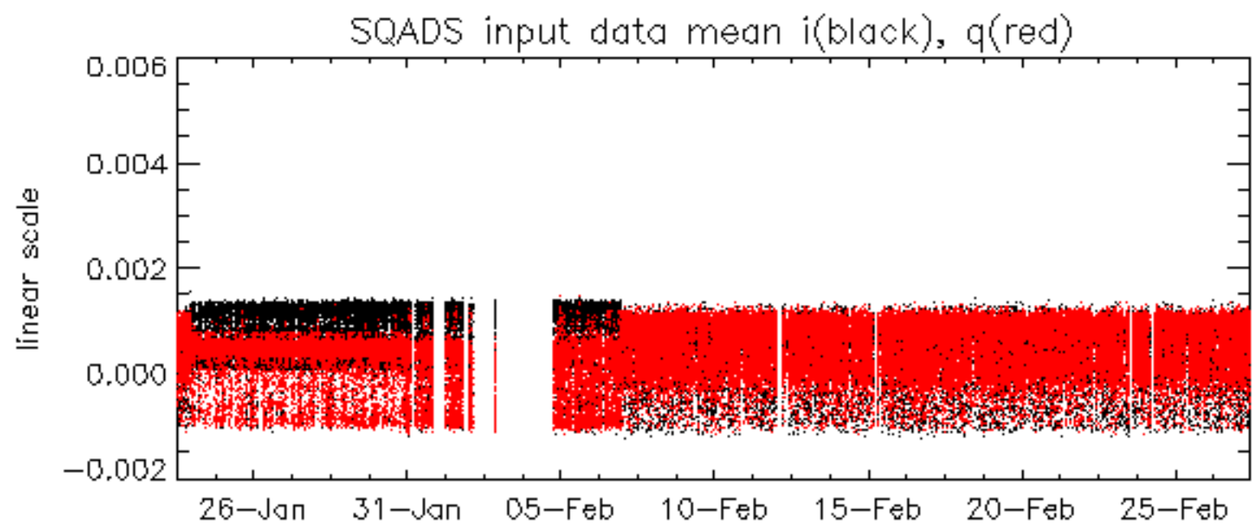
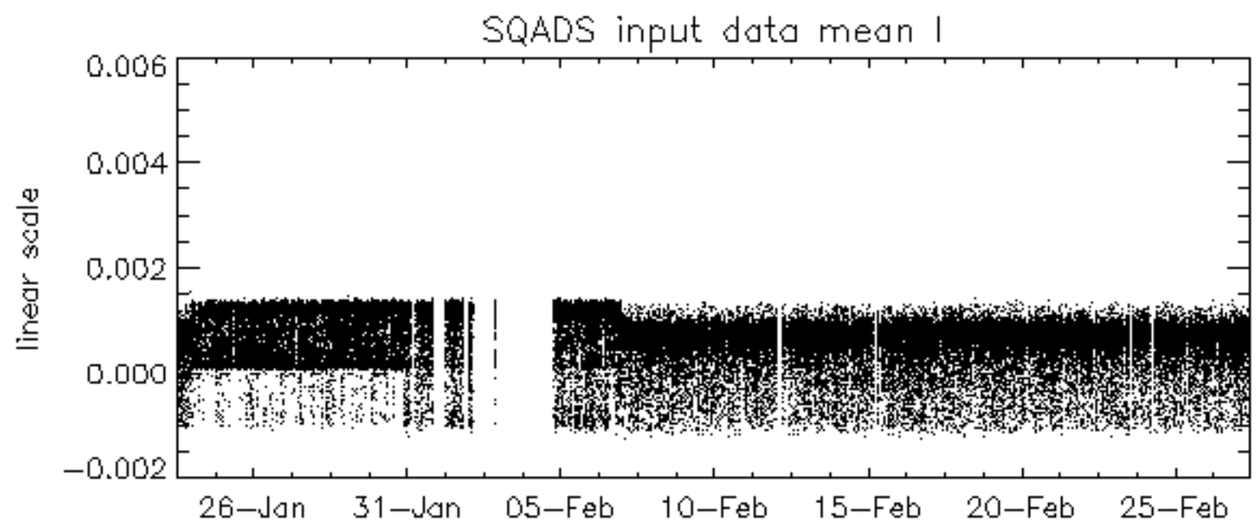
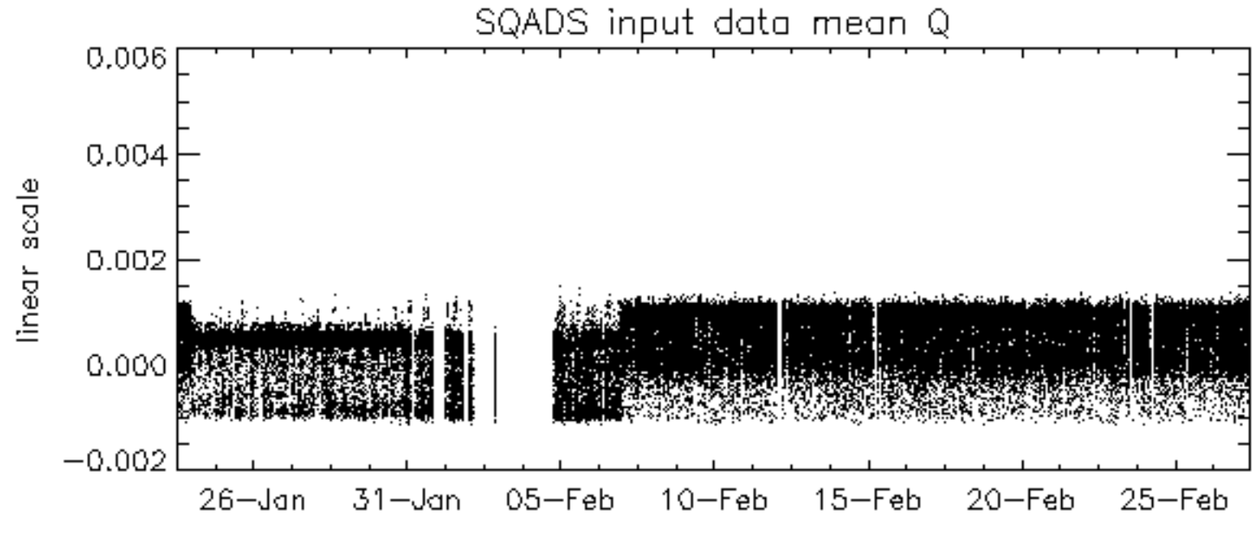
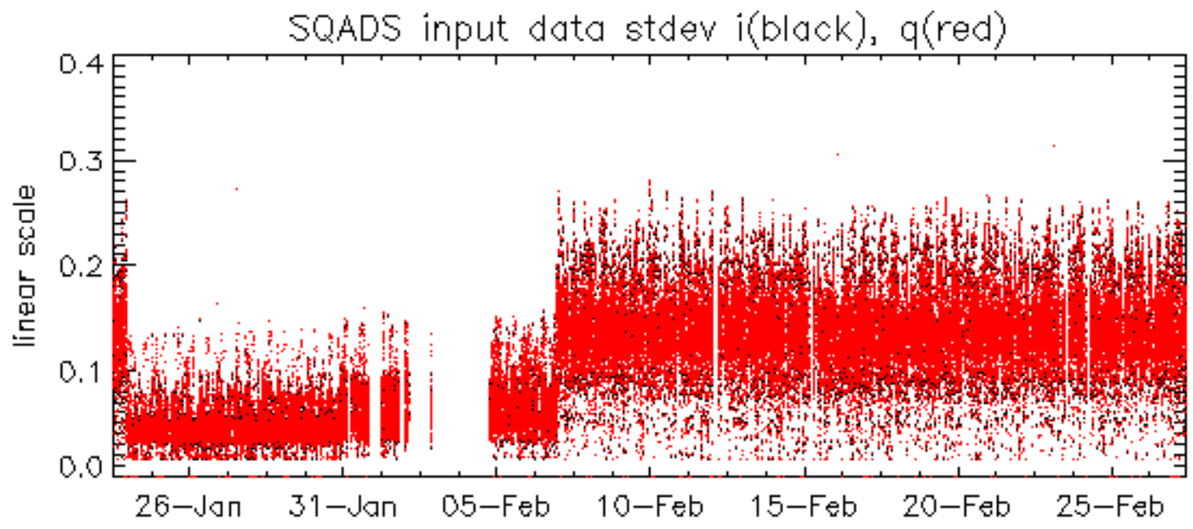
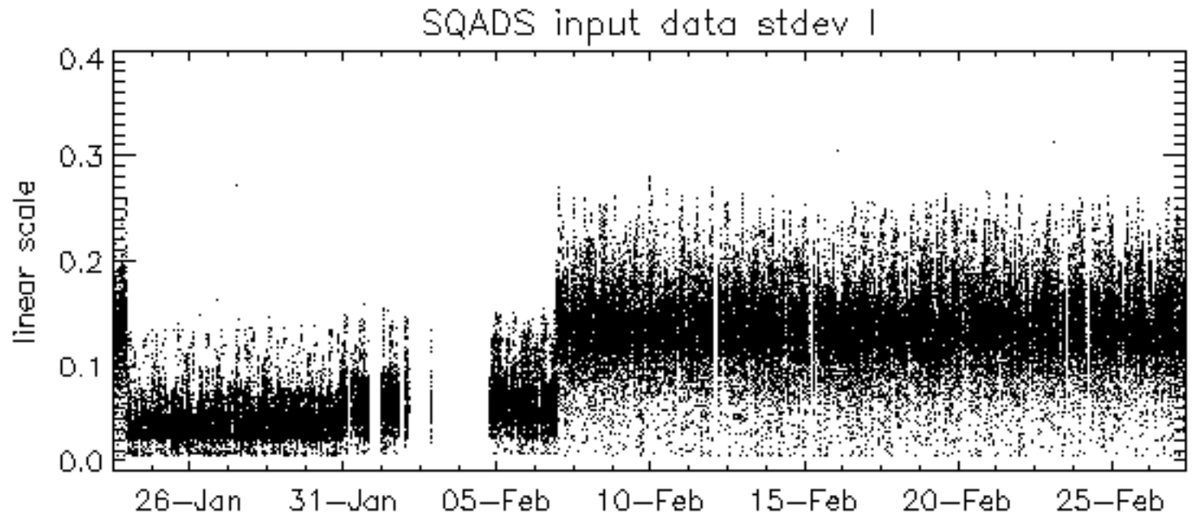

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

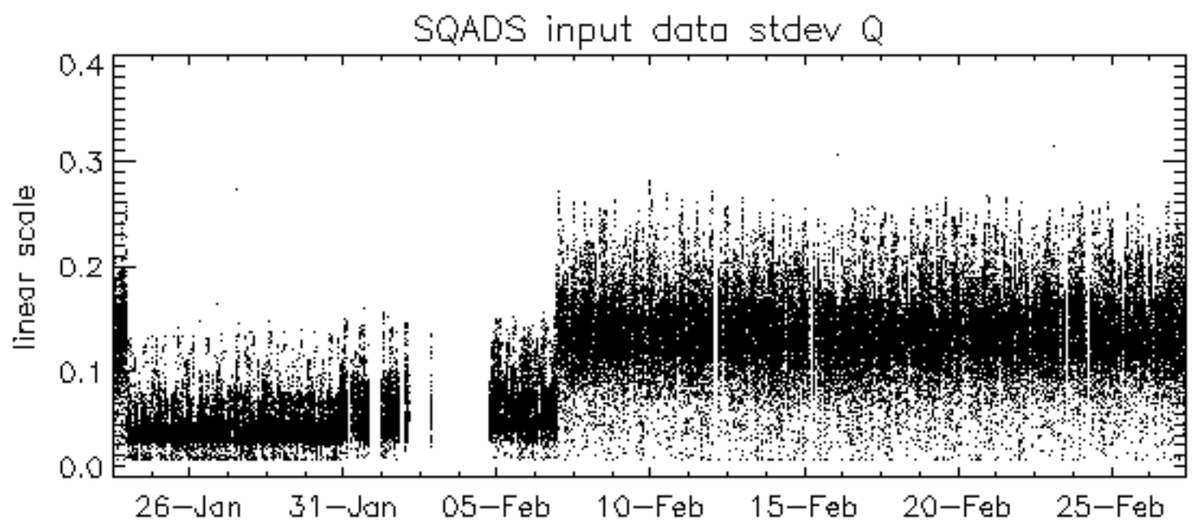

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb

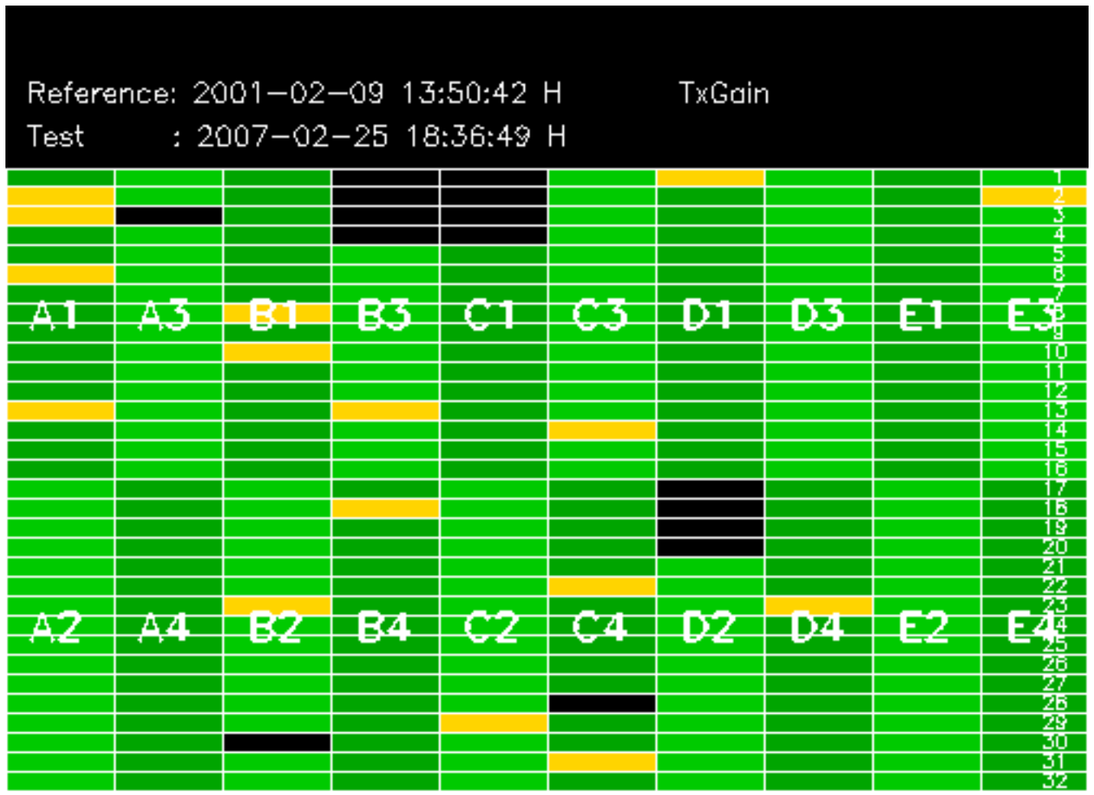

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-25 18:36:49 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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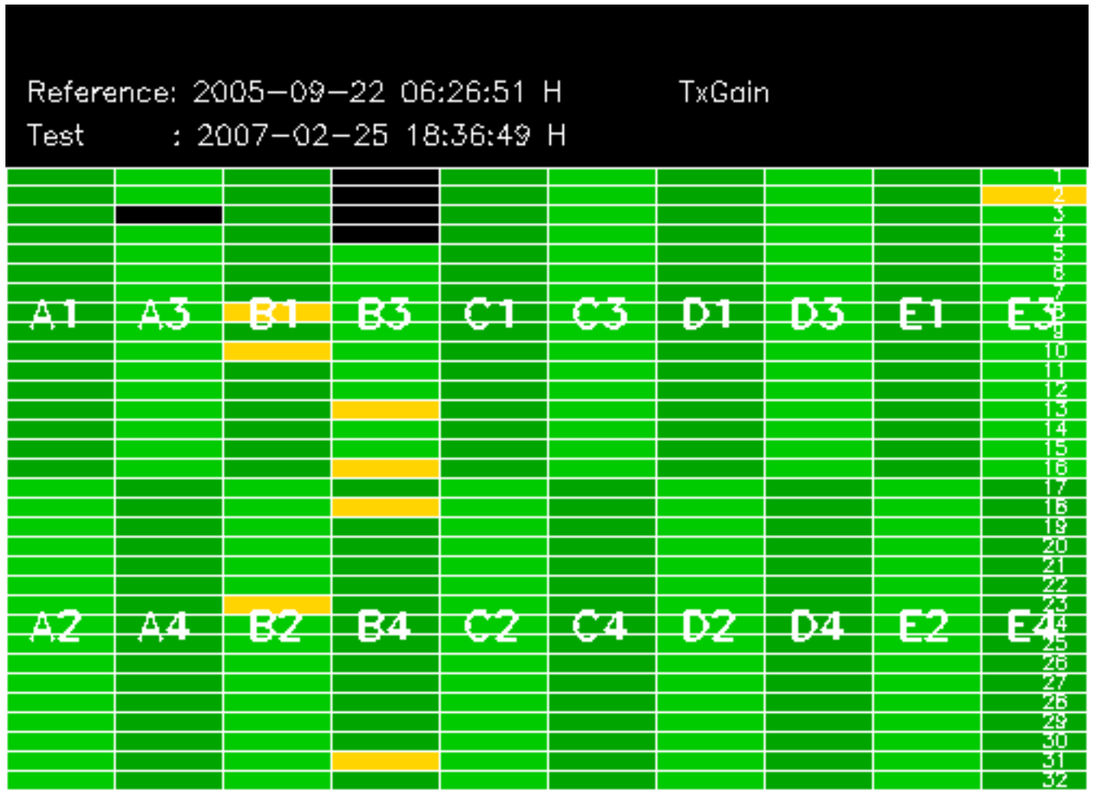
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-25 18:36:49 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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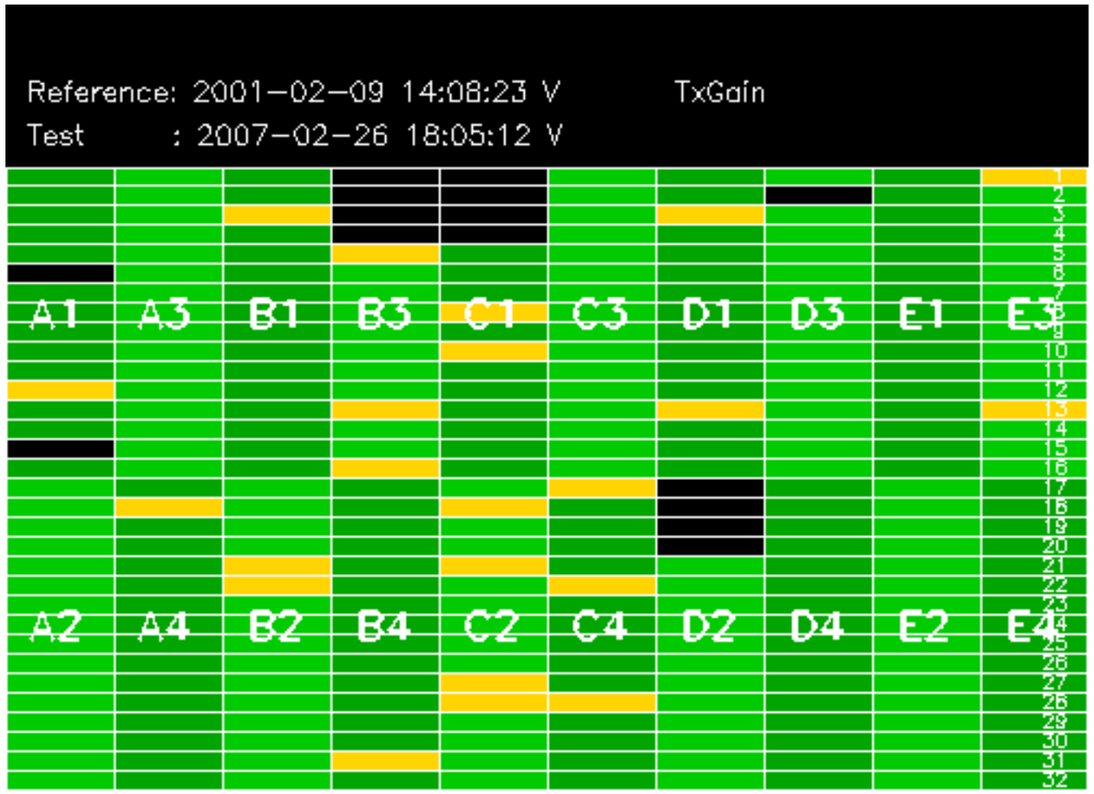
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-26 18:05:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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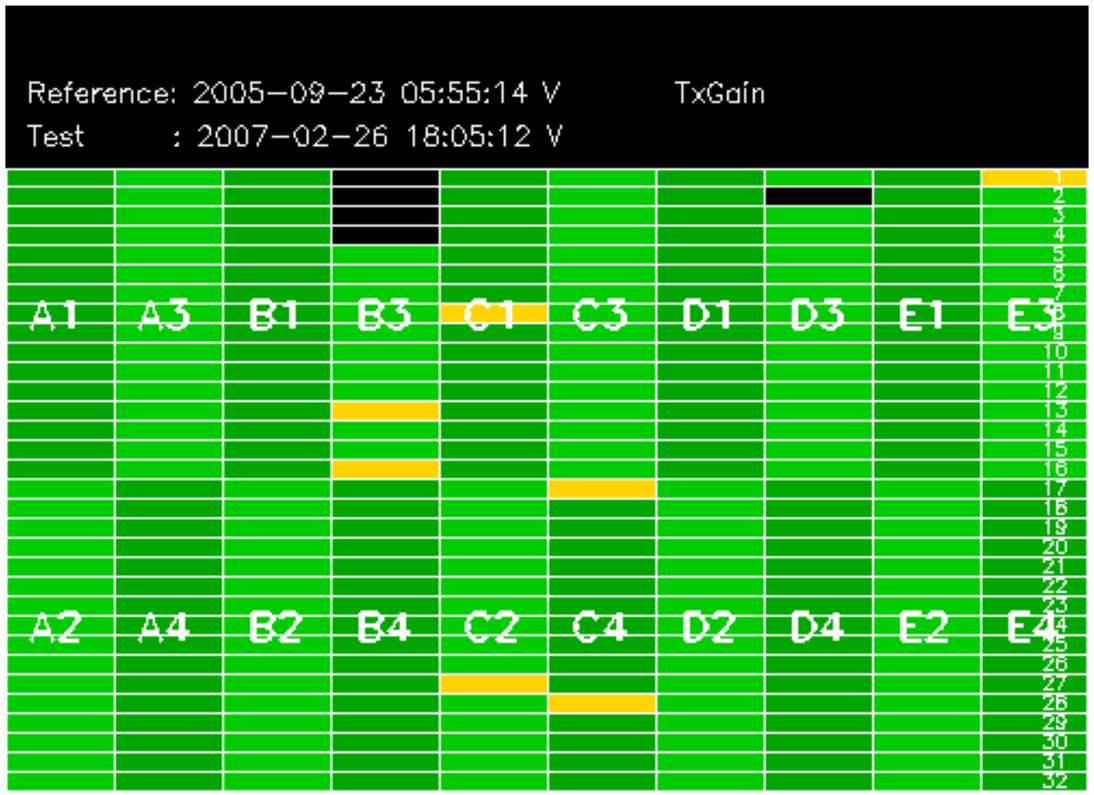
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-26 18:05:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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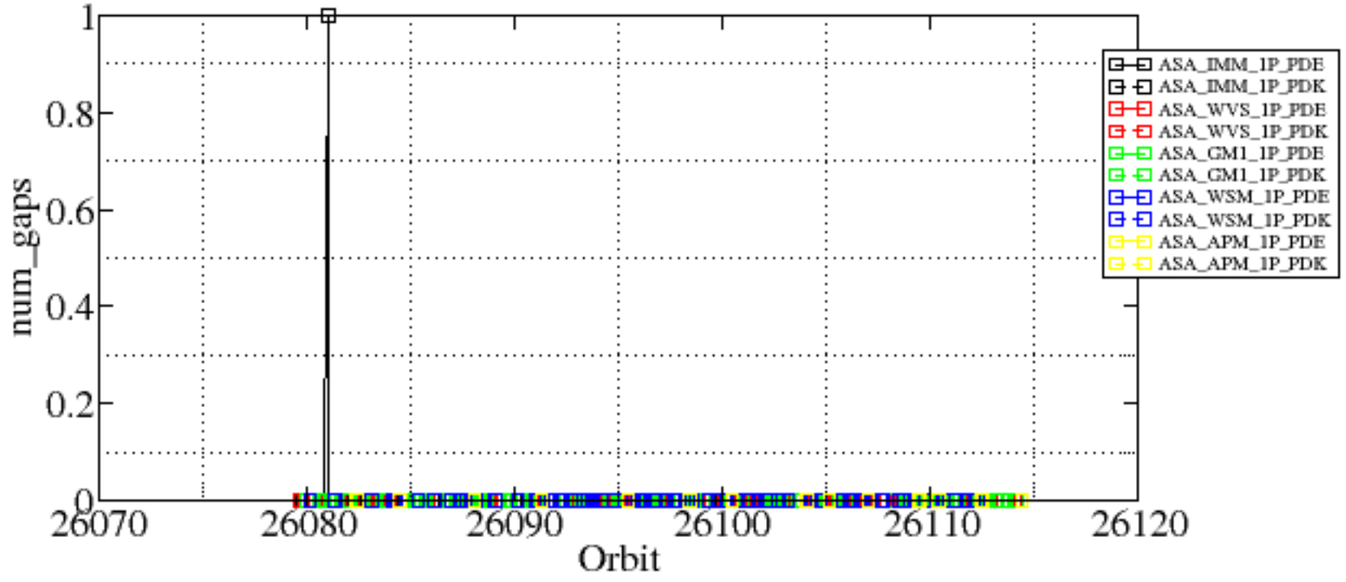
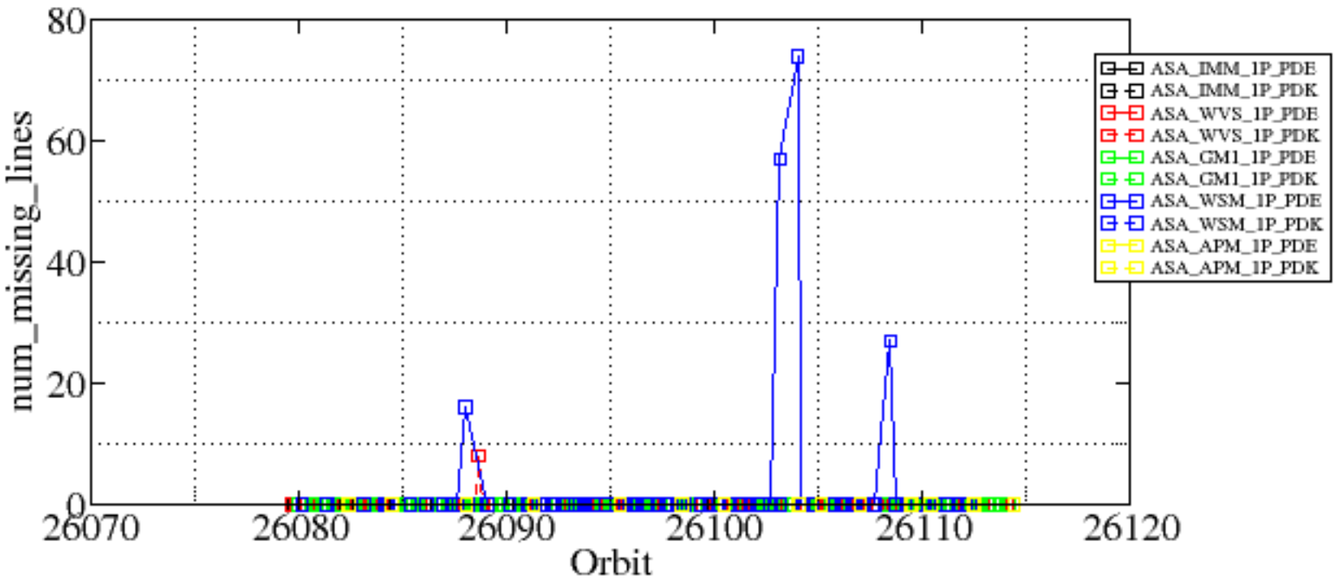
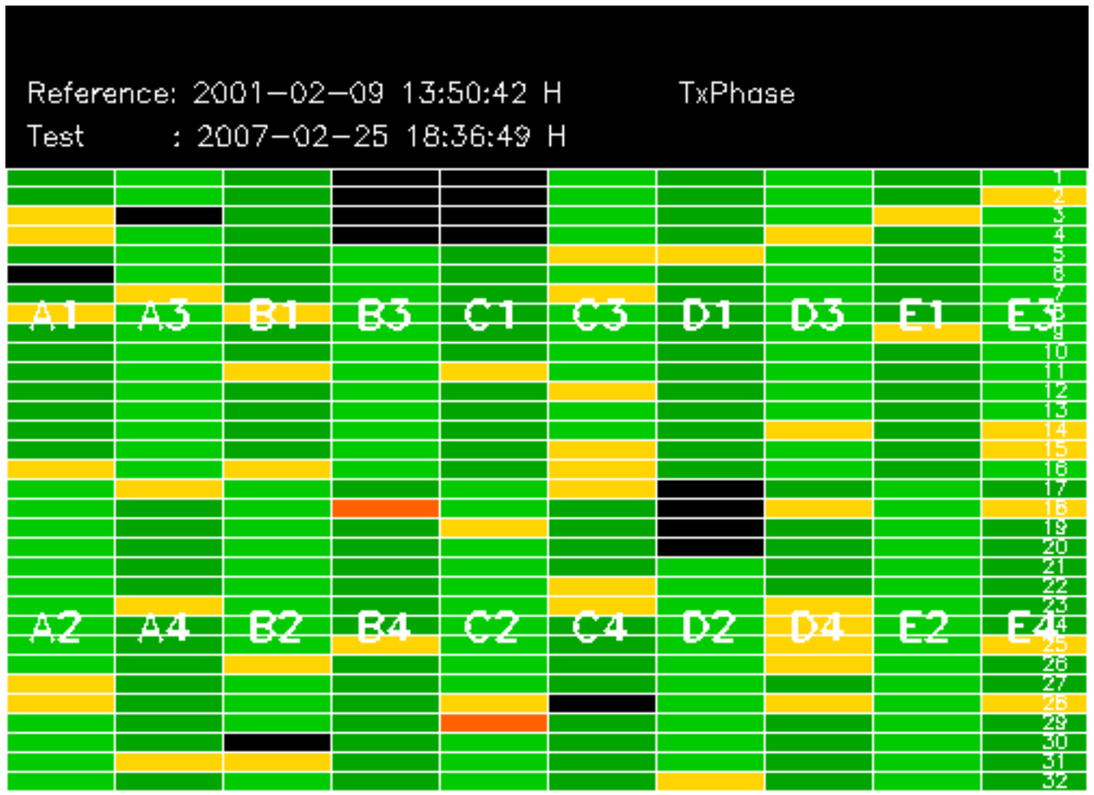
Summary of analysis for the last 3 days 2007022[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070225_022551_000000212055_00476_26081_1575.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070225_151346_000000152055_00483_26088_8098.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070225_151416_000001352055_00483_26088_8120.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070225_141210_000000852055_00483_26088_1631.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070226_153355_000000672055_00498_26103_2948.N1 </td> <td>0 </td> <td>57 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070226_165904_000002192055_00499_26104_3039.N1 </td> <td>0 </td> <td>74 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070226_165904_000002192055_00499_26104_3045.N1 </td> <td>0 </td> <td>74 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070227_002822_000002612056_00002_26108_3509.N1 </td> <td>0 </td> <td>27 </td></tr>
</table>


num_gaps
Orbit
1
0.8
0.6
0.4
0.2
0
26070
26080
26090
26100
26110
26120
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
Orbit
0
20
40
60
80
26070
26080
26090
26100
26110
26120
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 : 2007-02-25 18:36:49 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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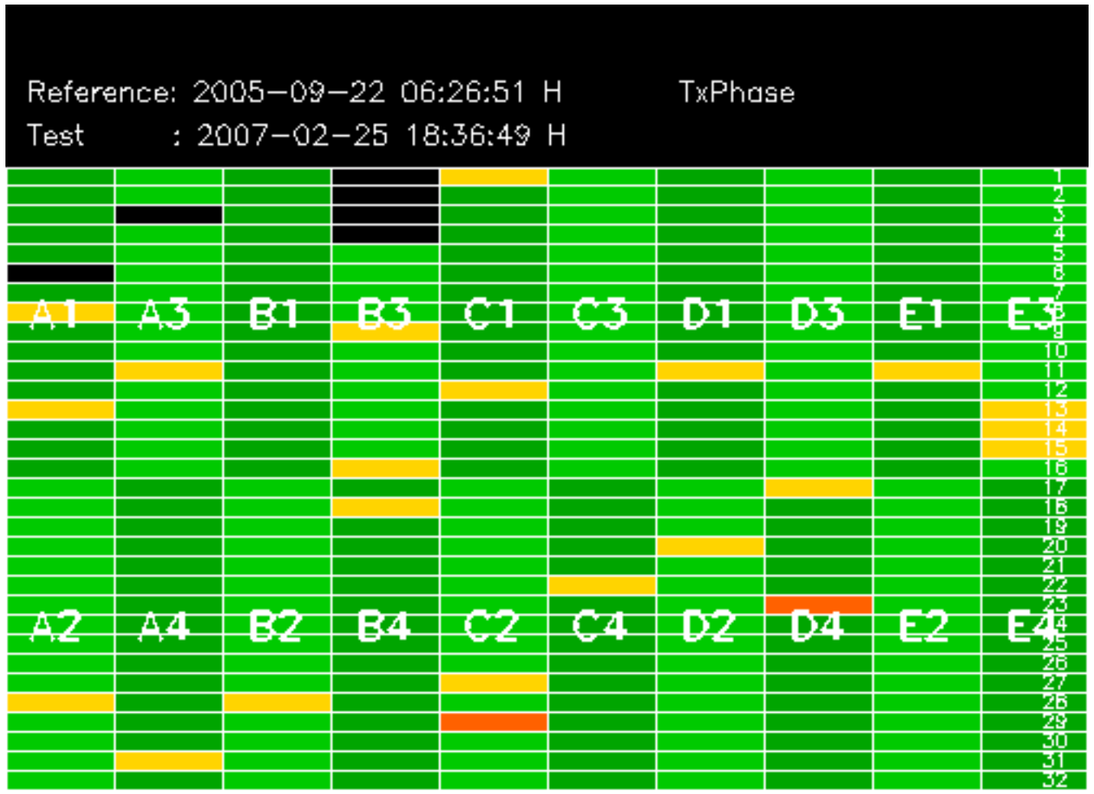
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-25 18:36:49 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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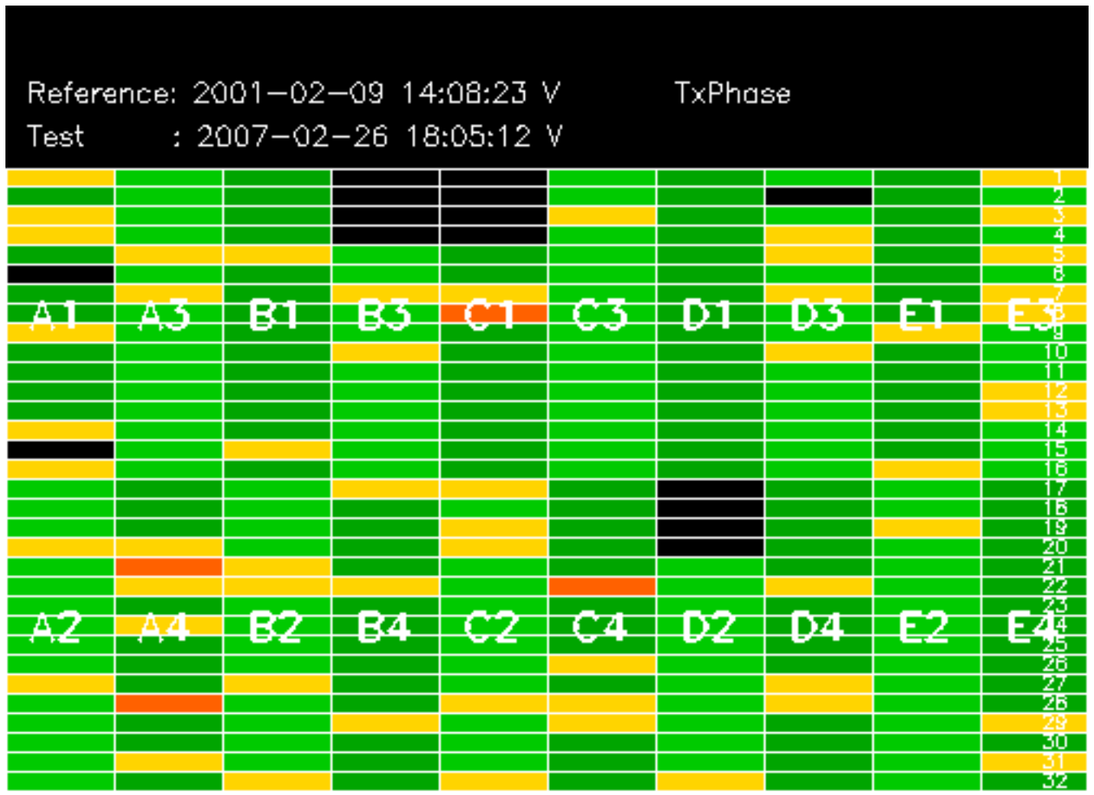
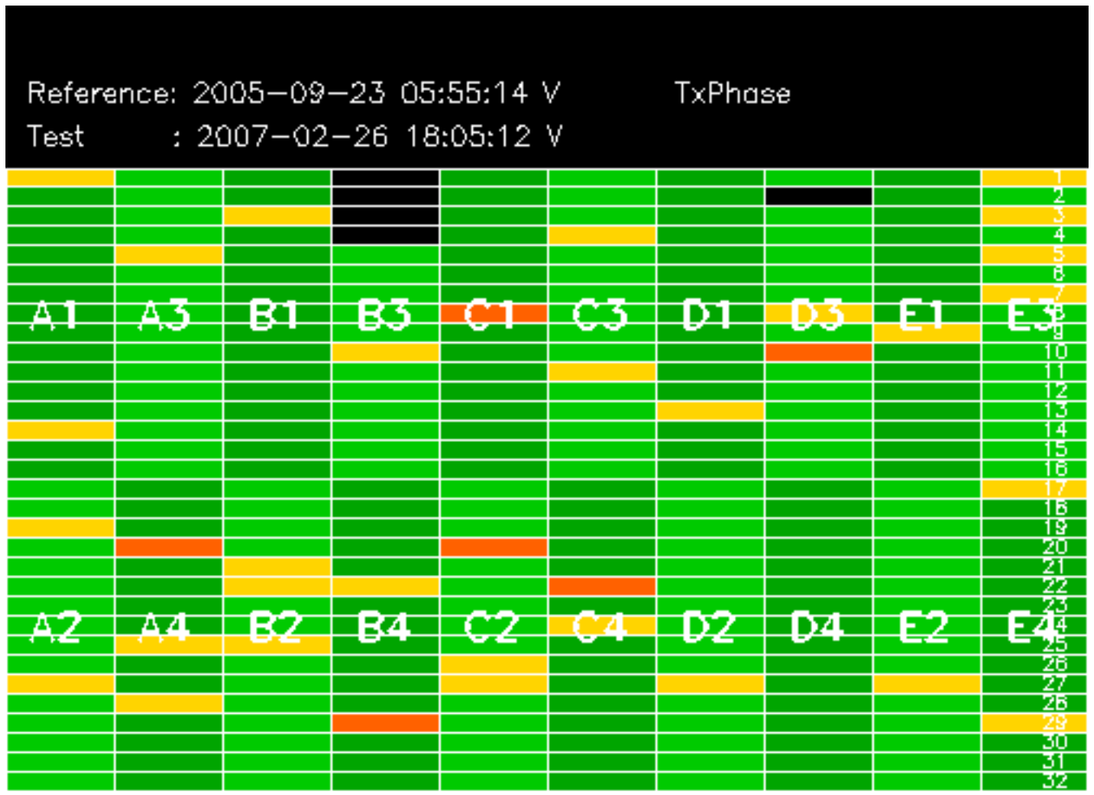

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-26 18:05:12 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-26 18:05:12 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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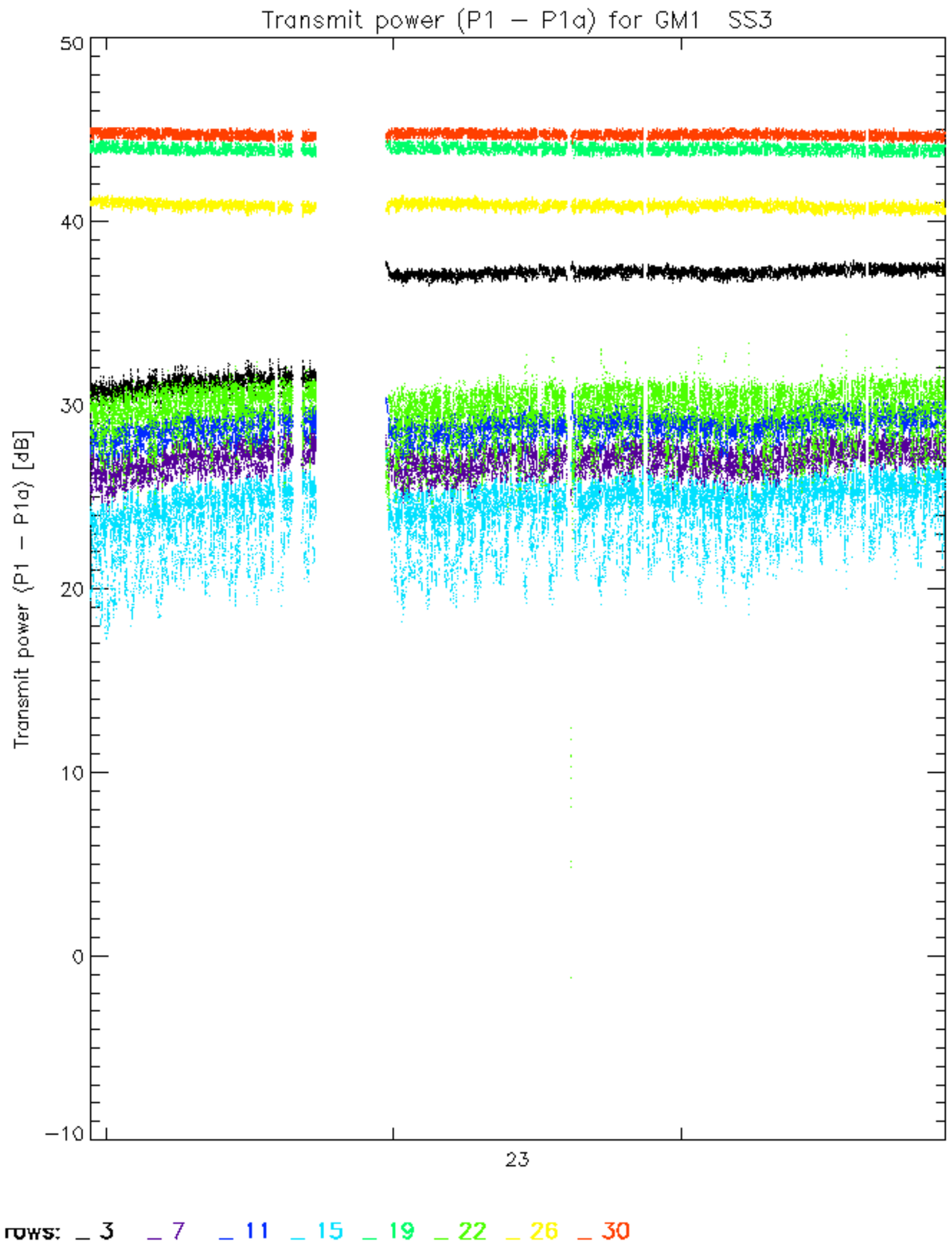
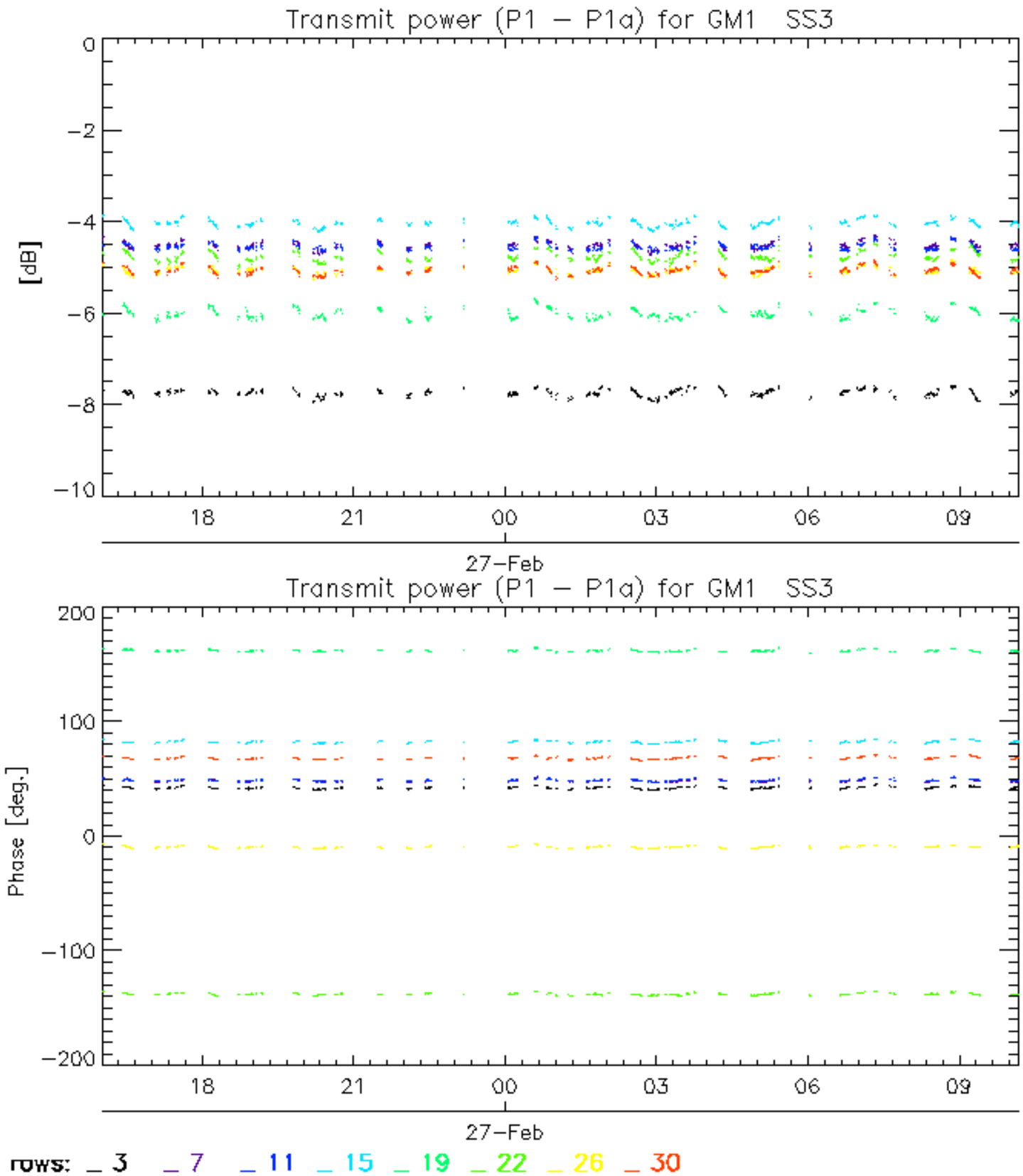
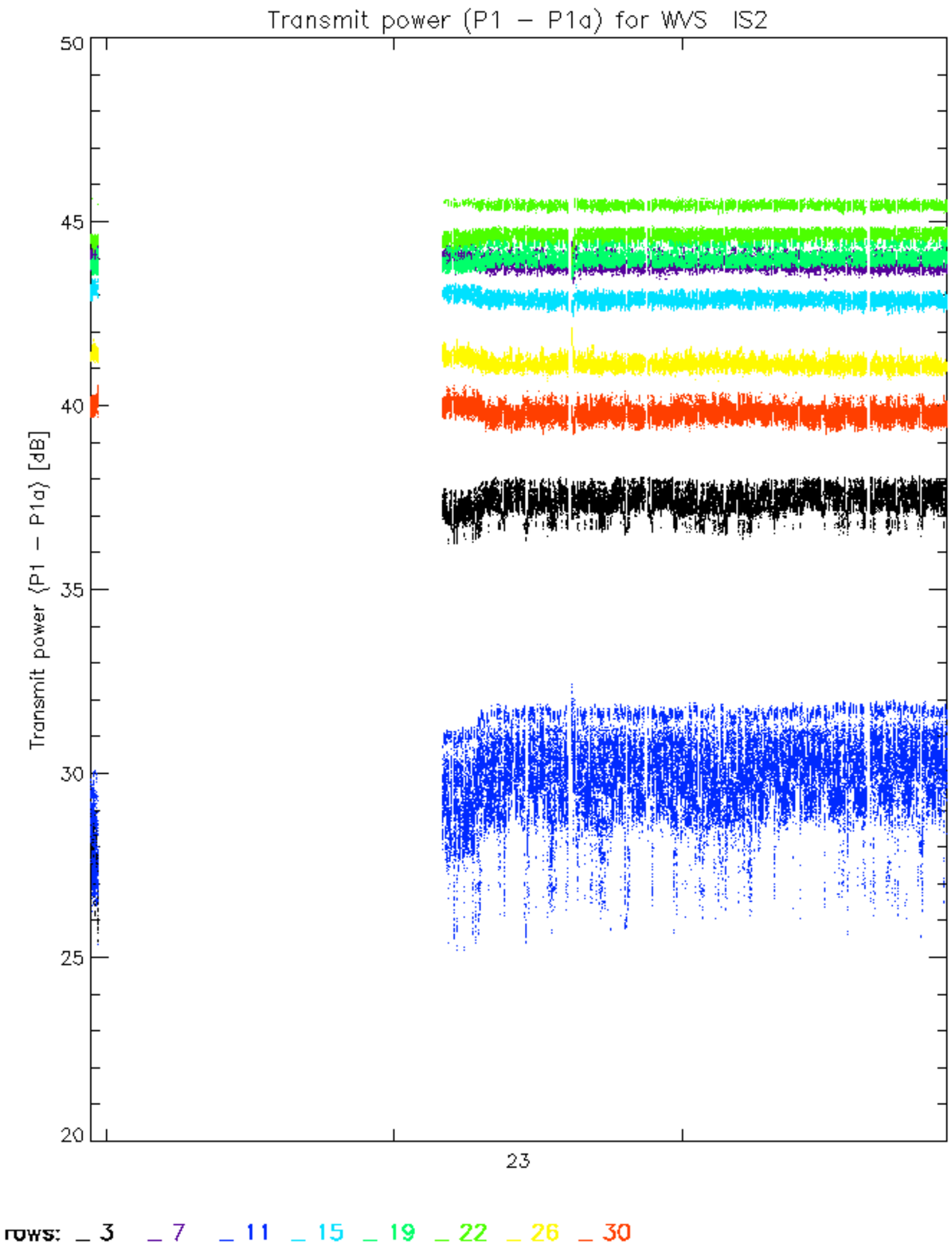
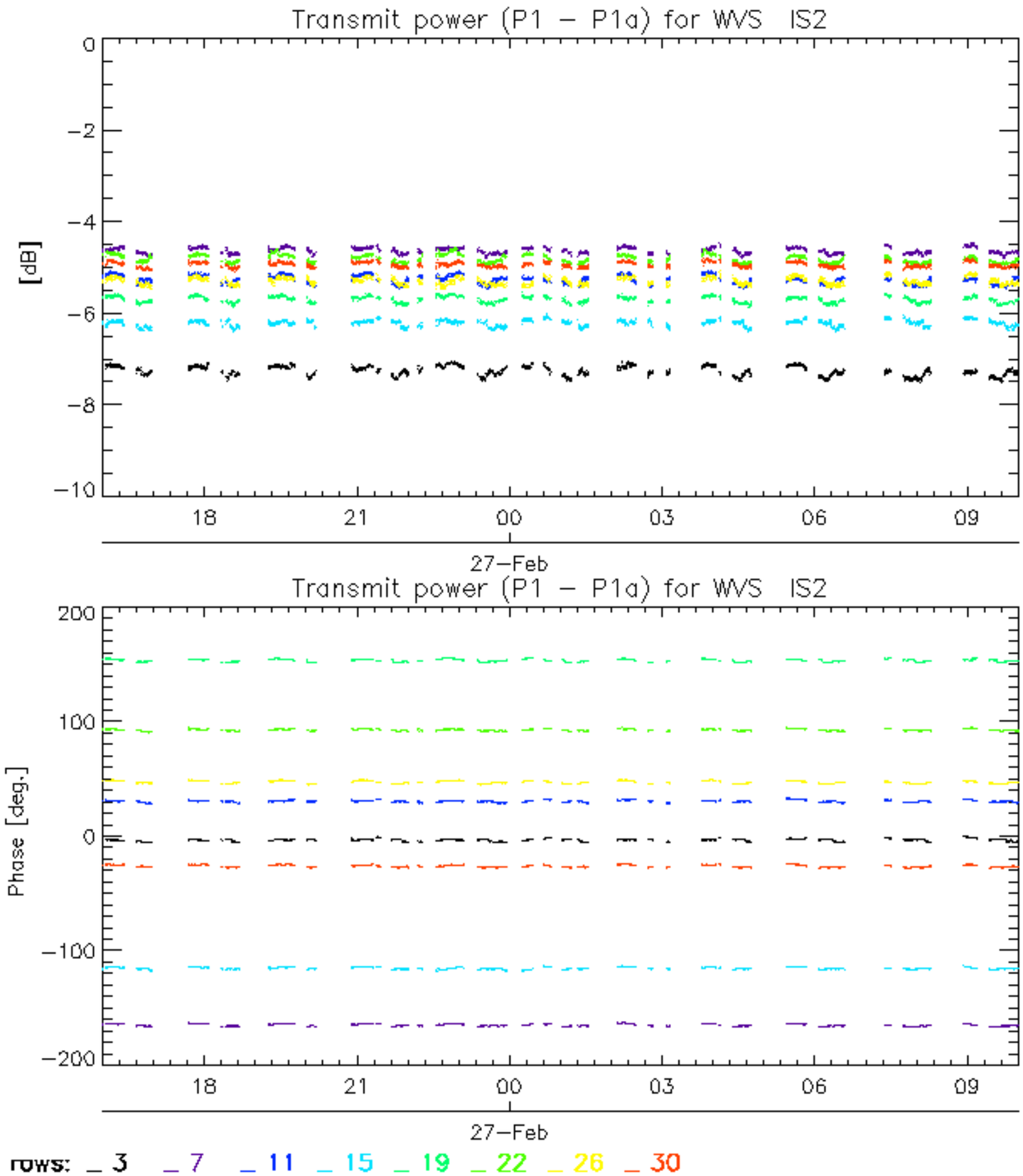
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
23
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
27–Feb
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
27–Feb
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
27–Feb
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
27–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.