PRELIMINARY REPORT OF 060313

last update on Mon Mar 13 16:29:18 GMT 2006

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 2006-03-12 00:00:00 to 2006-03-13 16:29:18

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	43	60	12	0	13
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	43	60	12	0	13
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	43	60	12	0	13
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	60	12	0	13

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	36	41	45	19	36
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	36	41	45	19	36
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	36	41	45	19	36
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	41	45	19	36

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	20060311 204857
H	20060312 183644

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)

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.002464	0.009620	-0.008023
7	P1	-3.004586	0.008846	-0.032835
11	P1	-4.068268	0.020719	0.046344
15	P1	-6.077446	0.021639	-0.047758
19	P1	-3.286216	0.006733	-0.039638
22	P1	-4.459924	0.014962	0.000240
26	P1	-4.200608	0.104194	0.063762
30	P1	-5.803102	0.146792	-0.039762
3	P1	-16.974886	0.250695	-0.035710
7	P1	-16.705772	0.103983	-0.122411
11	P1	-16.507906	0.326980	0.106008
15	P1	-13.058742	0.095528	0.018922
19	P1	-13.925200	0.055686	-0.092047
22	P1	-15.593866	0.475177	0.076801
26	P1	-15.765985	0.310154	-0.069363
30	P1	-16.491537	0.312272	-0.047918

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.417416	0.087736	0.112898
7	P2	-22.385750	0.094967	0.073999
11	P2	-16.230833	0.100581	0.038096
15	P2	-7.167101	0.099011	0.008277
19	P2	-9.134732	0.091554	0.007038
22	P2	-17.936773	0.090703	-0.038798
26	P2	-16.208797	0.095191	-0.017802
30	P2	-19.643721	0.084855	-0.038161

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.194599	0.006209	-0.007596
7	P3	-8.194599	0.006209	-0.007596
11	P3	-8.194599	0.006209	-0.007596
15	P3	-8.194599	0.006209	-0.007596
19	P3	-8.194599	0.006209	-0.007596
22	P3	-8.194599	0.006209	-0.007596
26	P3	-8.194599	0.006209	-0.007596
30	P3	-8.194599	0.006209	-0.007596

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
⊠

P1a Cyclic statistics

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

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.847520	3.374920	0.138571
7	P1	-2.841218	3.541899	0.199365
11	P1	-3.028122	3.565956	0.162142
15	P1	-3.671576	3.535406	0.170326
19	P1	-3.474130	3.426367	0.126503
22	P1	-5.266335	3.147905	0.118217
26	P1	-5.962103	3.344446	0.287194
30	P1	-5.298295	3.184208	0.166470
3	P1	-11.648021	2.216061	0.131940
7	P1	-10.042024	2.453795	0.117303
11	P1	-10.337888	2.444980	0.040421
15	P1	-10.878602	2.450716	0.065489
19	P1	-15.474041	1.802323	0.048917
22	P1	-20.309673	2.418799	0.108878

26	P1	-16.330393	2.333233	0.156534
30	P1	-18.360949	1.668742	0.030127

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.112673	2.331183	0.137630
7	P2	-22.552910	2.721936	-0.002226
11	P2	-11.283499	2.531949	0.133491
15	P2	-4.921925	3.289689	0.143759
19	P2	-6.928751	2.962043	0.140978
22	P2	-8.218047	2.778292	0.094465
26	P2	-23.885588	2.791915	-0.157253
30	P2	-22.032156	2.637460	-0.085481

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.024092	0.002570	-0.001228
7	P3	-8.024036	0.002571	-0.001015
11	P3	-8.024096	0.002582	-0.001134
15	P3	-8.024151	0.002571	-0.001235
19	P3	-8.024044	0.002589	-0.000807
22	P3	-8.024135	0.002566	-0.001079
26	P3	-8.024149	0.002573	-0.000916
30	P3	-8.023973	0.002572	-0.000760

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	0.000554989
	stdev	1.76722e-07
MEAN Q	mean	0.000513589
	stdev	2.21886e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.138075
	stdev	0.00119845
STDEV Q	mean	0.138436
	stdev	0.00121661

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006031[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_1PNPDE20060311_015053_000001992045_00461_21056_0412.N1	0	1
ASA_IMM_1PNPDE20060312_003948_000001552045_00474_21069_0566.N1	1	0
ASA_IMM_1PNPDE20060312_005604_000000362045_00475_21070_0559.N1	1	0
ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0586.N1	1	0
ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0595.N1	1	0

ASA_IMM_1PNPDK20060312_124030_000000362045_00482_21077_0195.N1	1	0
ASA_WSM_1PNPDE20060312_113127_000001842045_00481_21076_0468.N1	0	62
ASA_APM_1PNPDE20060312_141416_000000412045_00483_21078_0171.N1	0	11

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

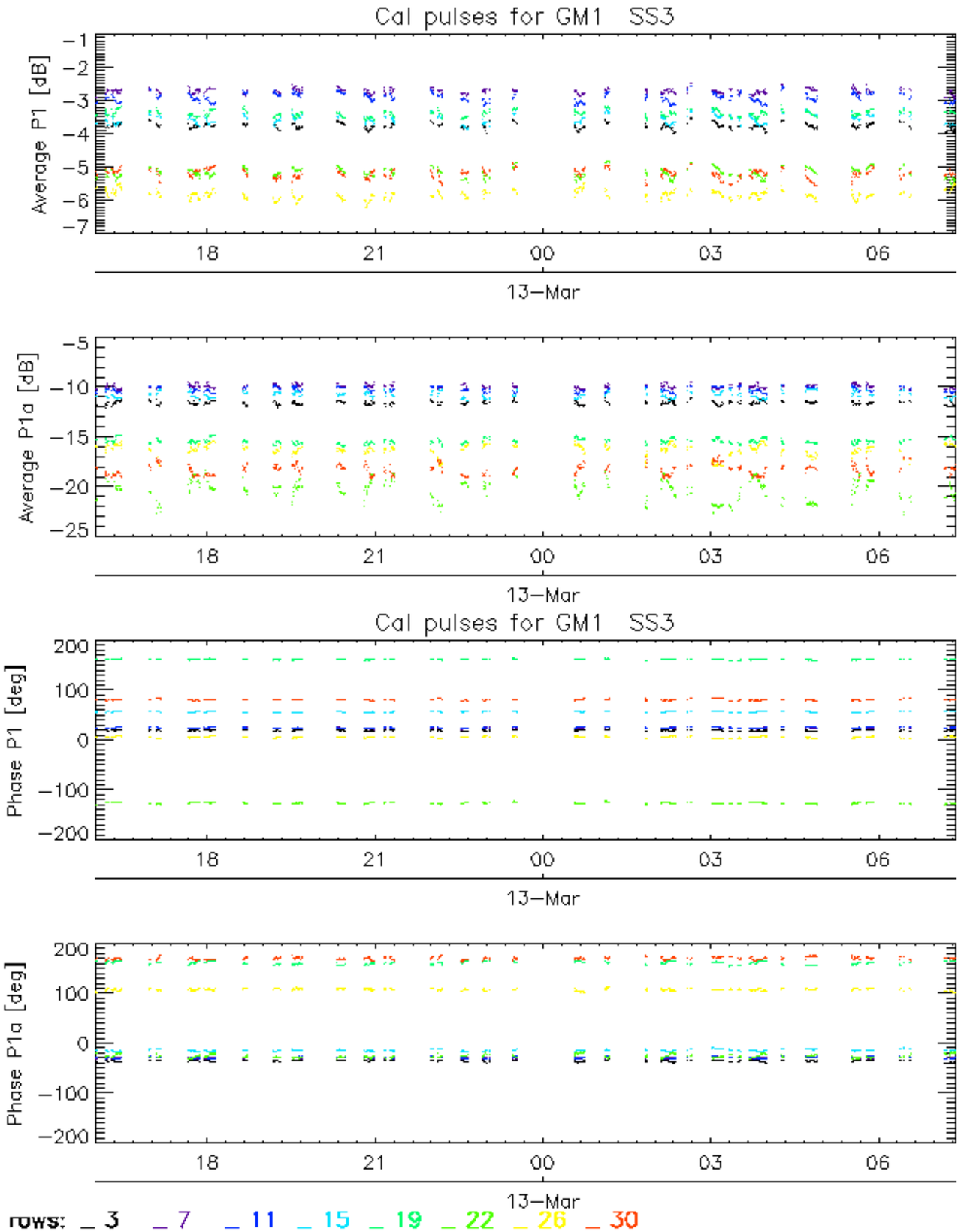
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

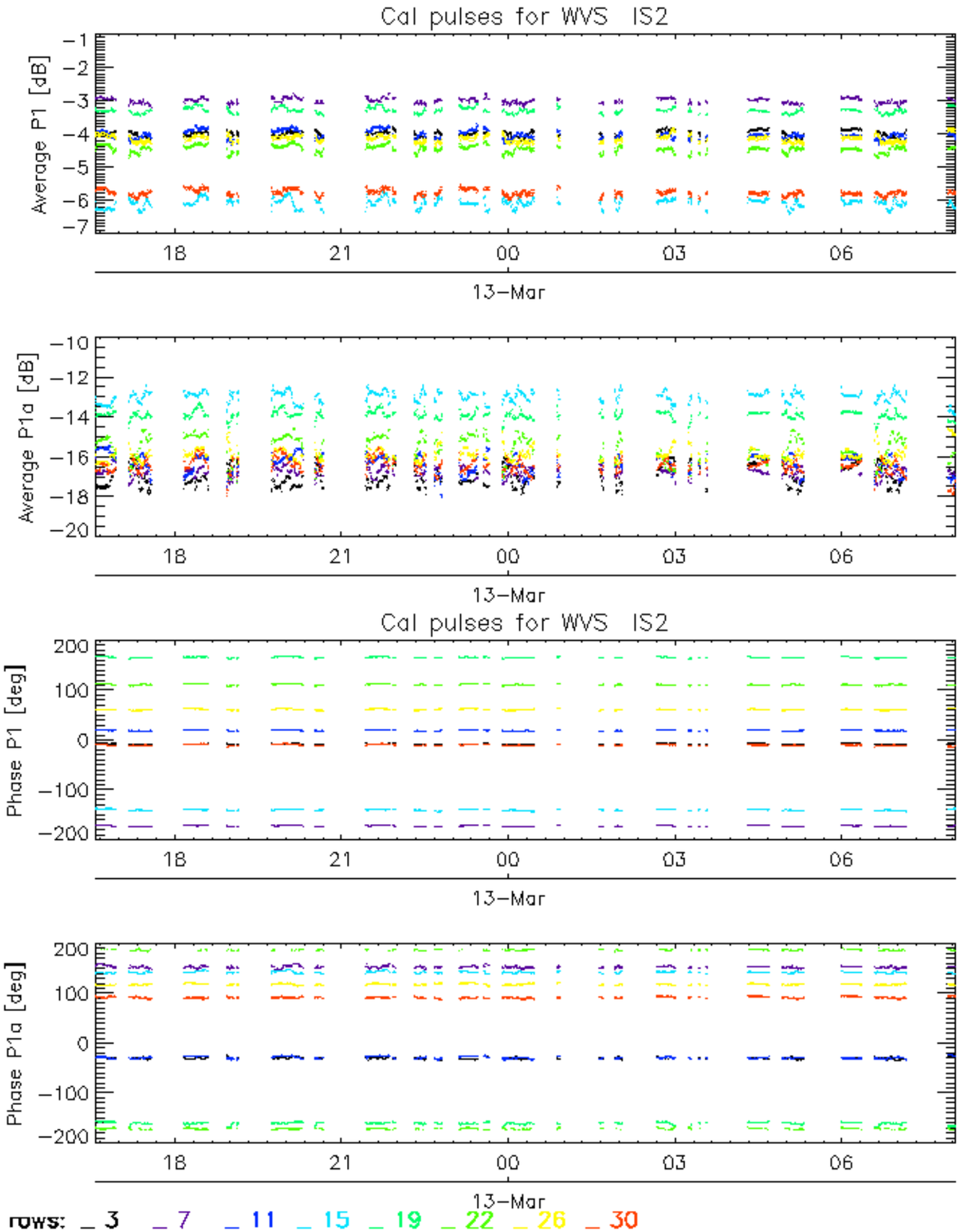
7.5 - Absolute Doppler for GM1

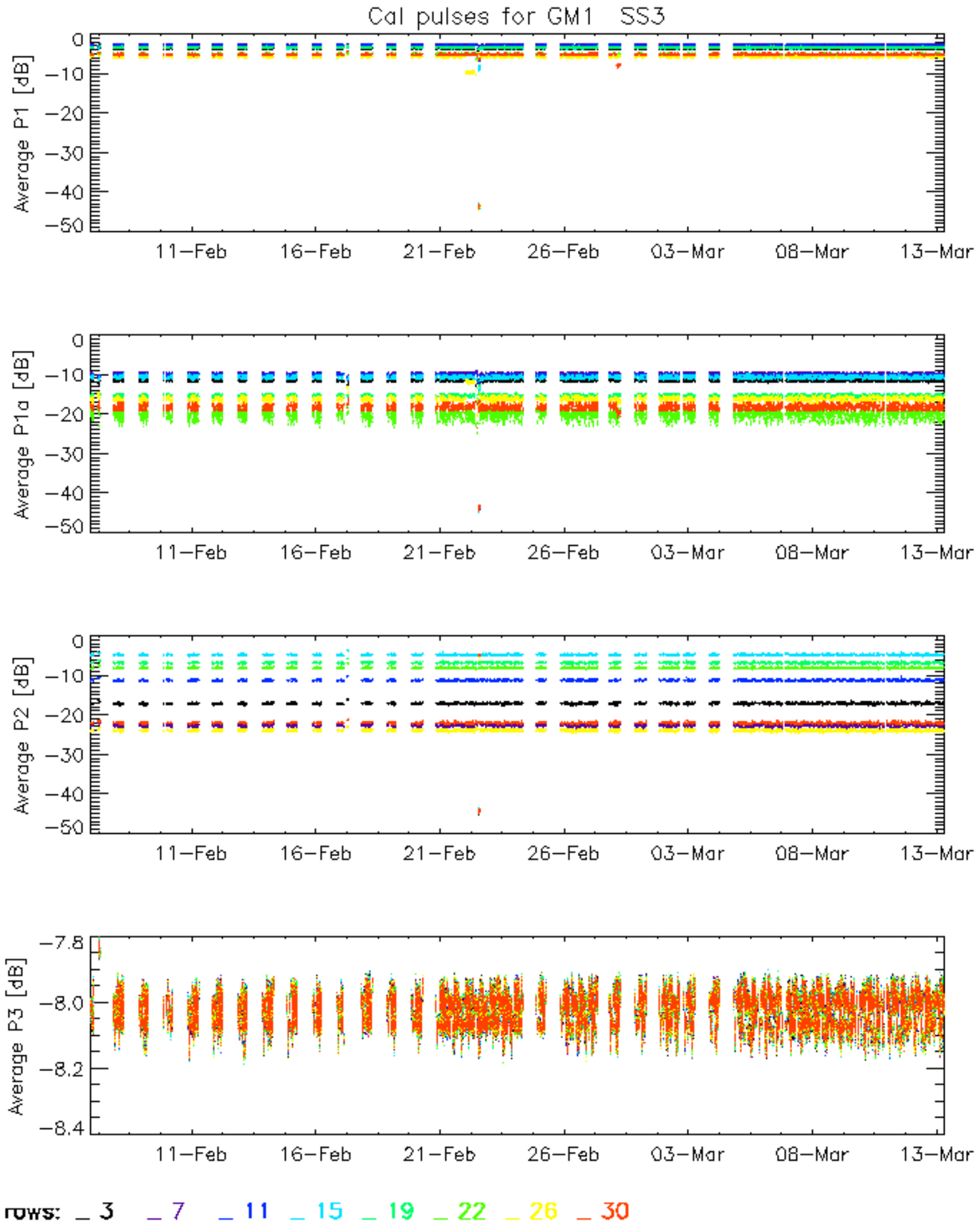
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

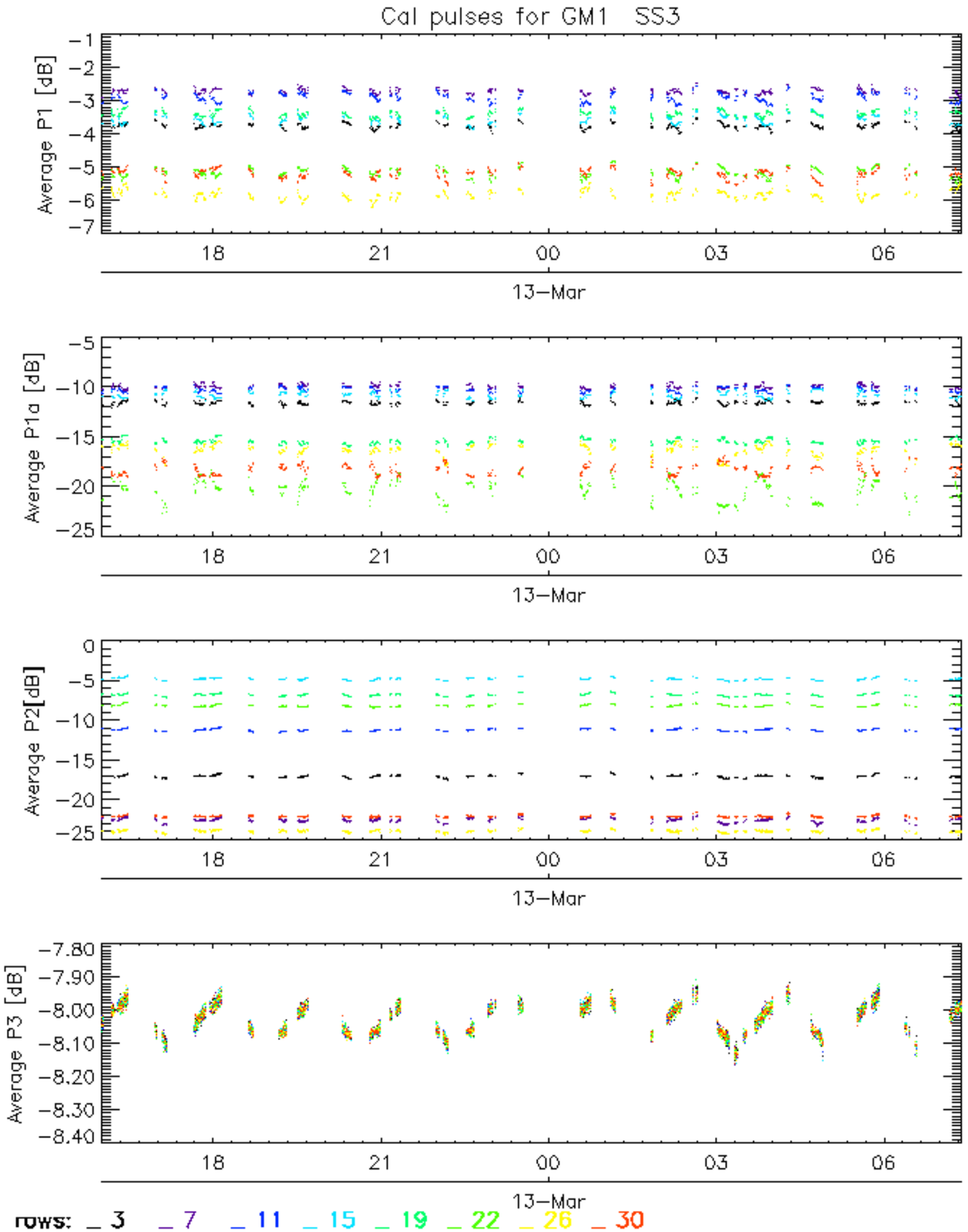
7.6 - Doppler evolution versus ANX for GM1

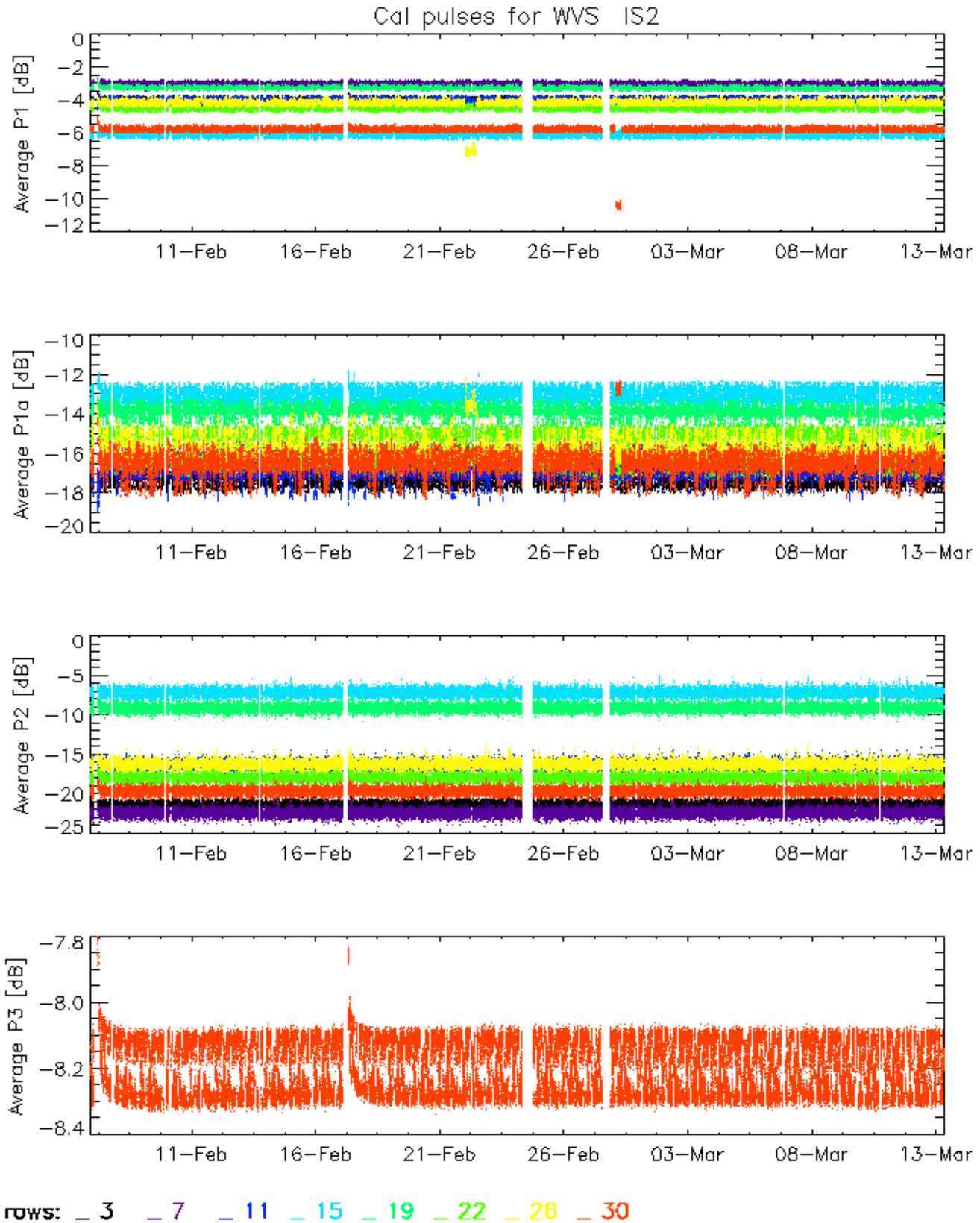
Evolution Doppler error versus ANX
☒

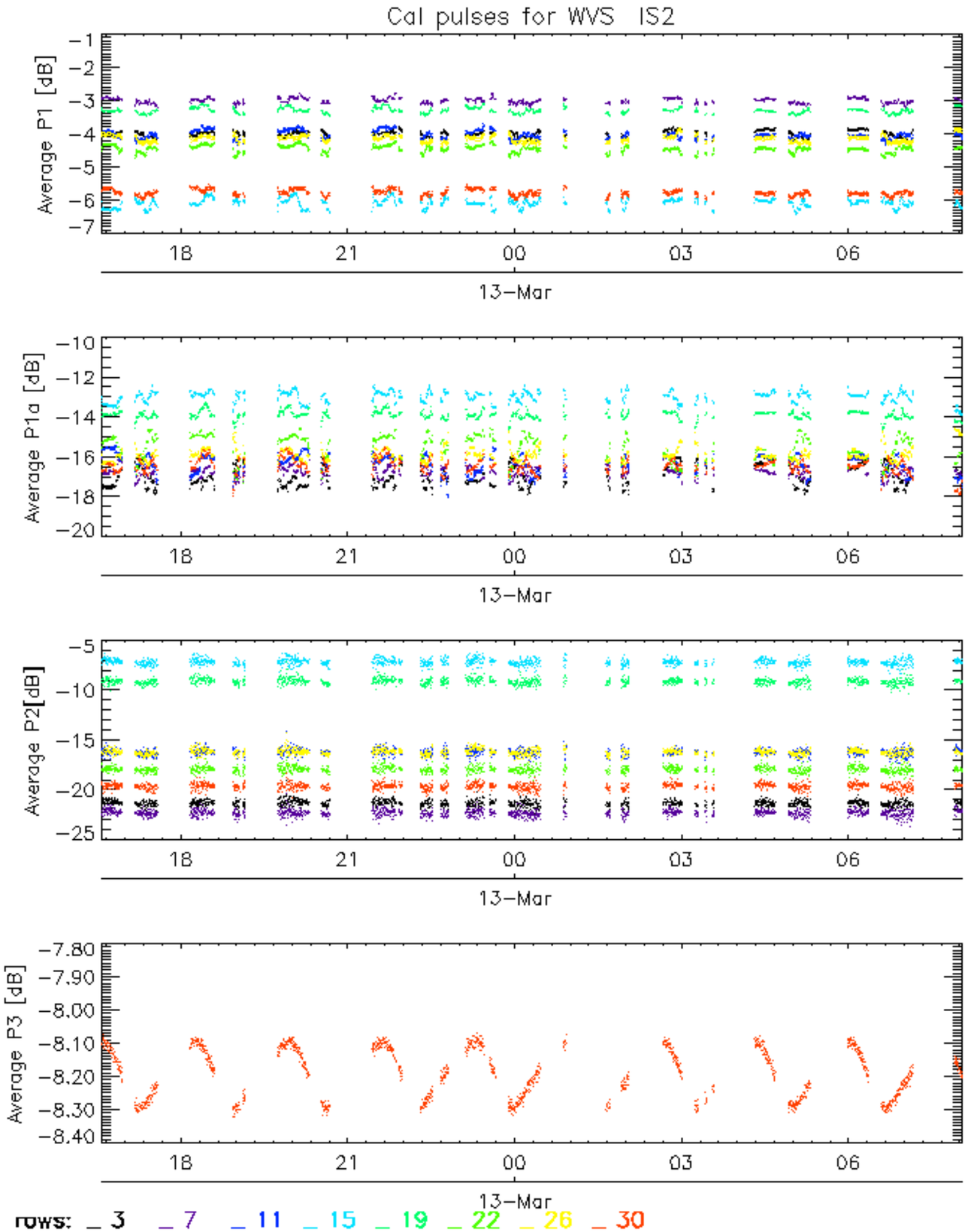

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
13−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
13−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−10
−20
−30
−40
−50
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
Average P1a [dB]
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

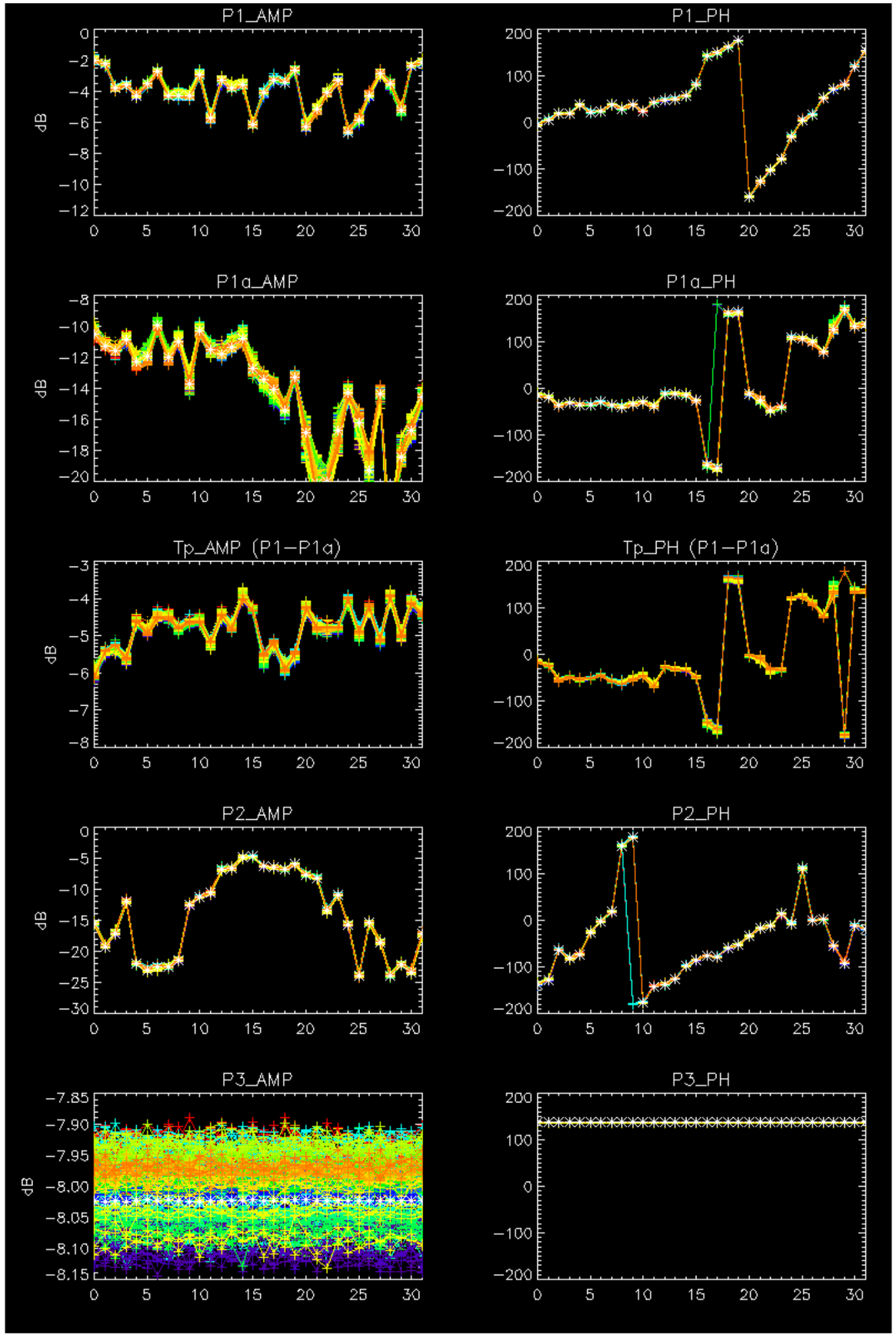

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
13−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
13−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

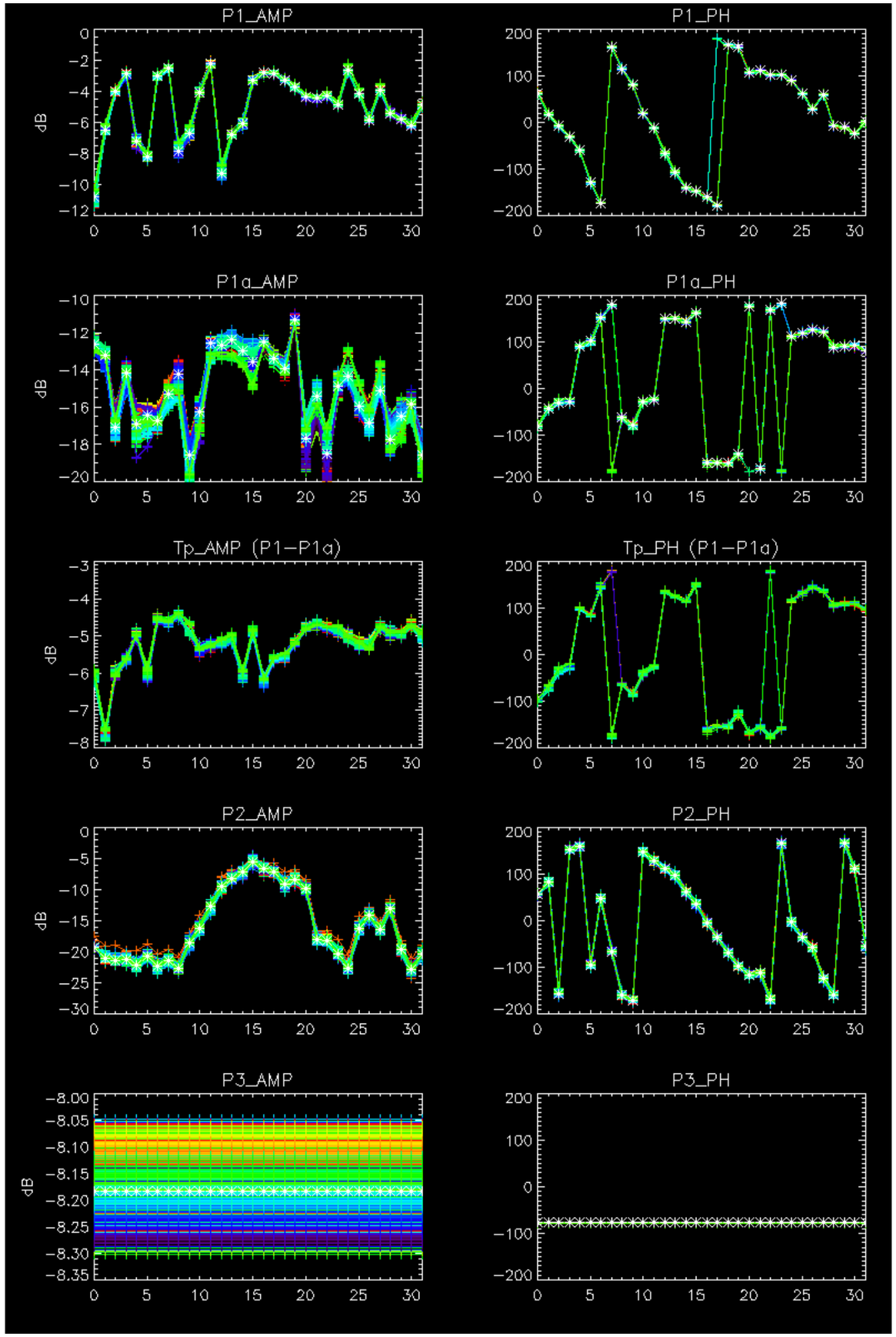

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2 [dB]
−5
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

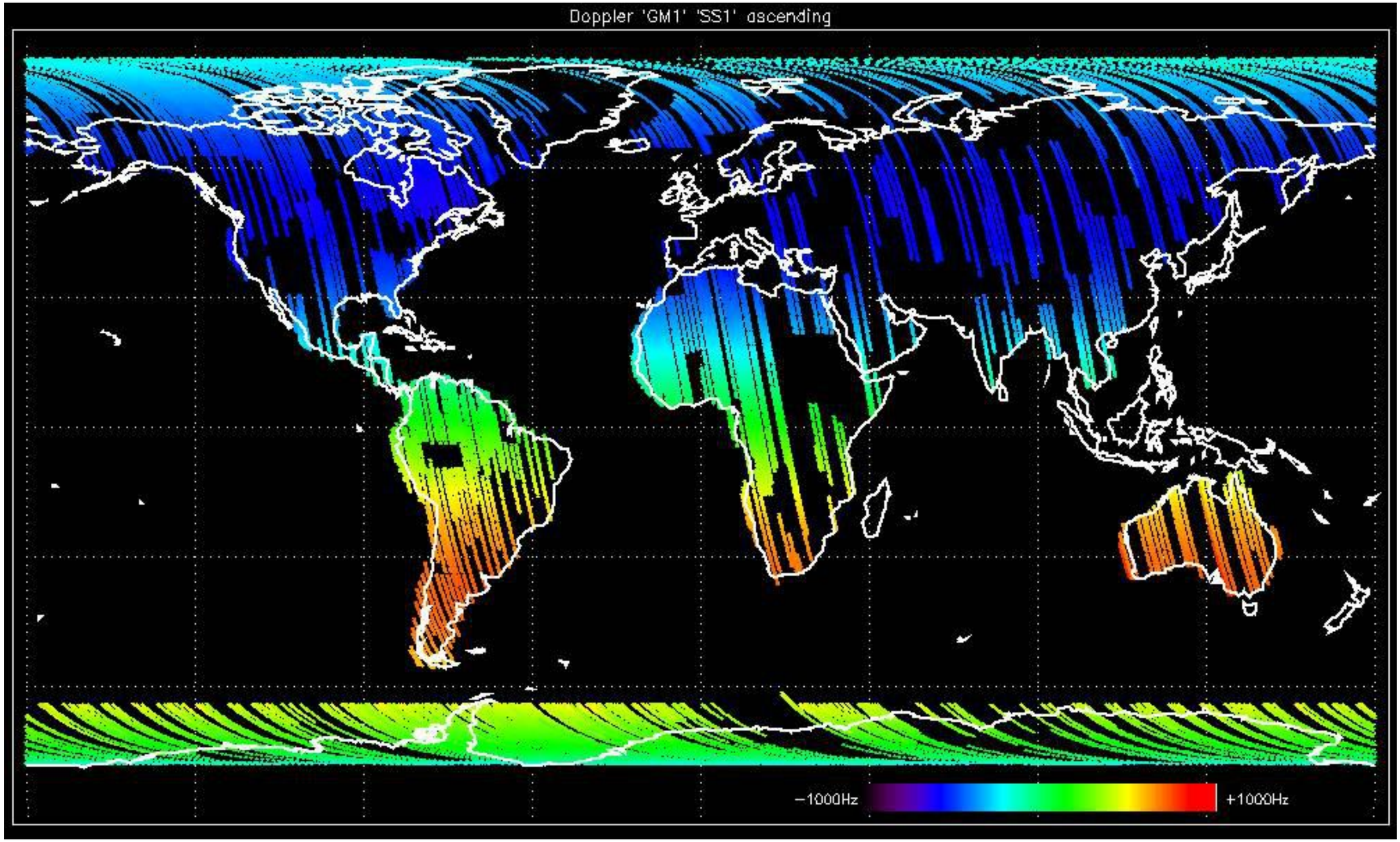
No anomalies observed.

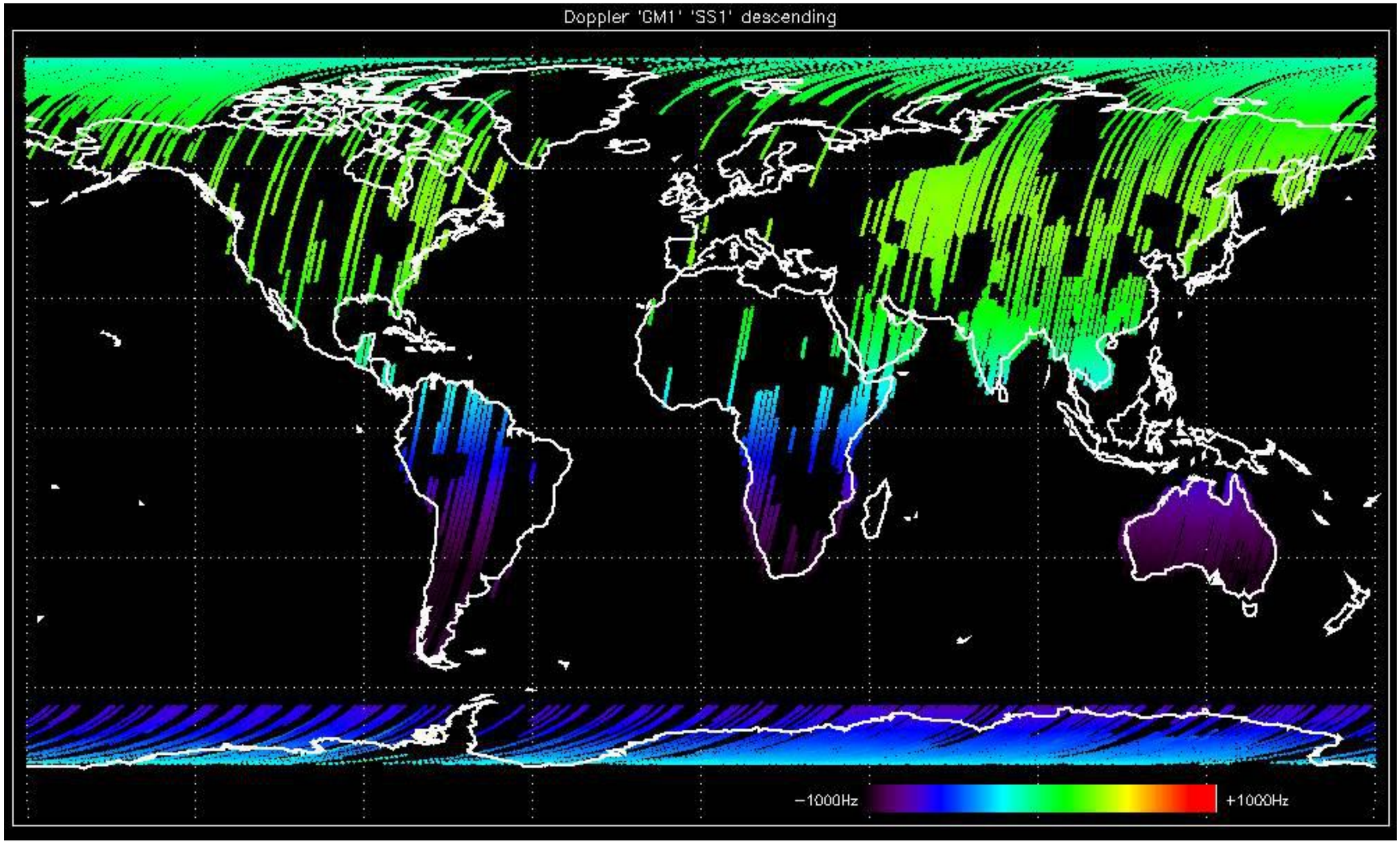

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

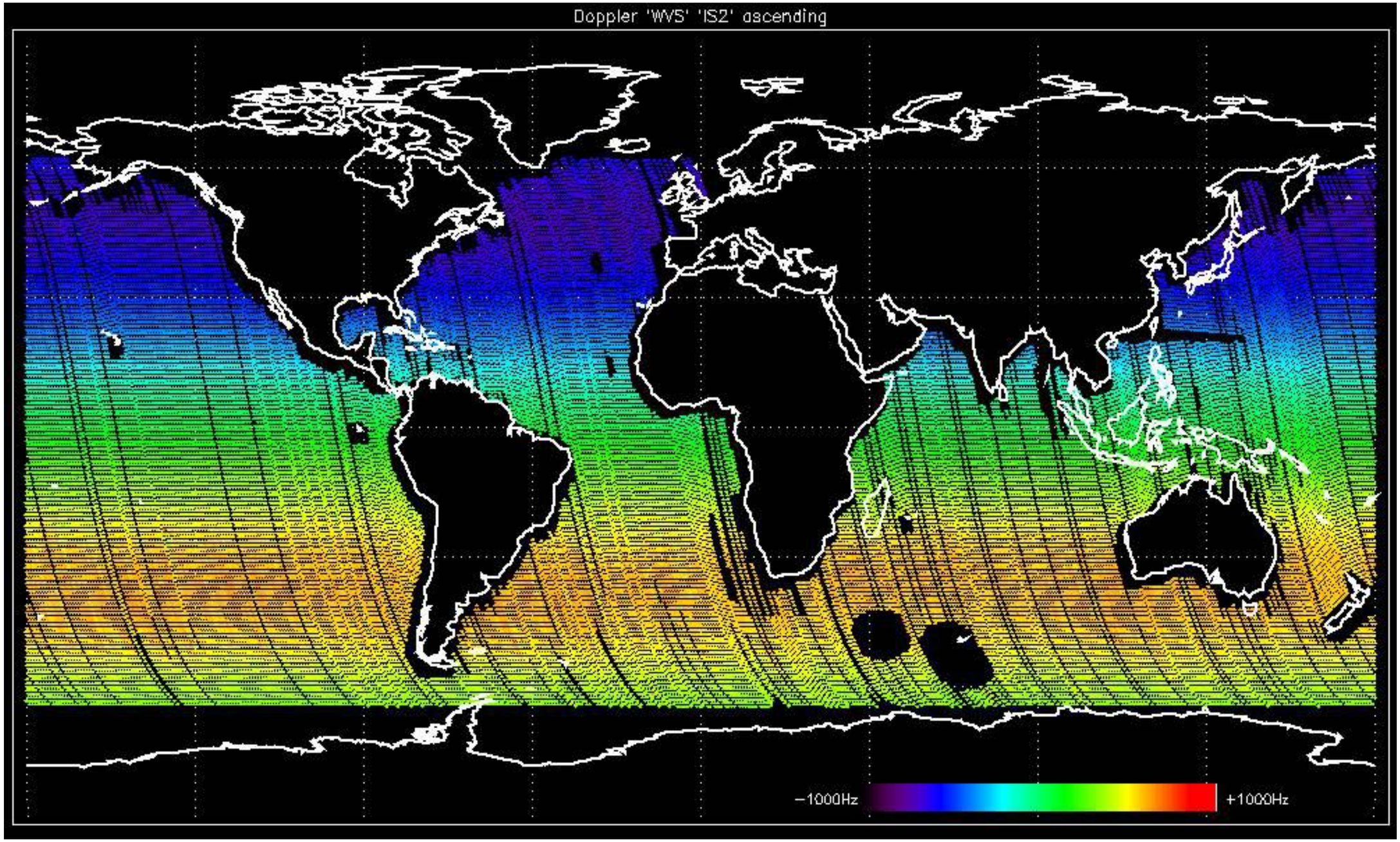

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

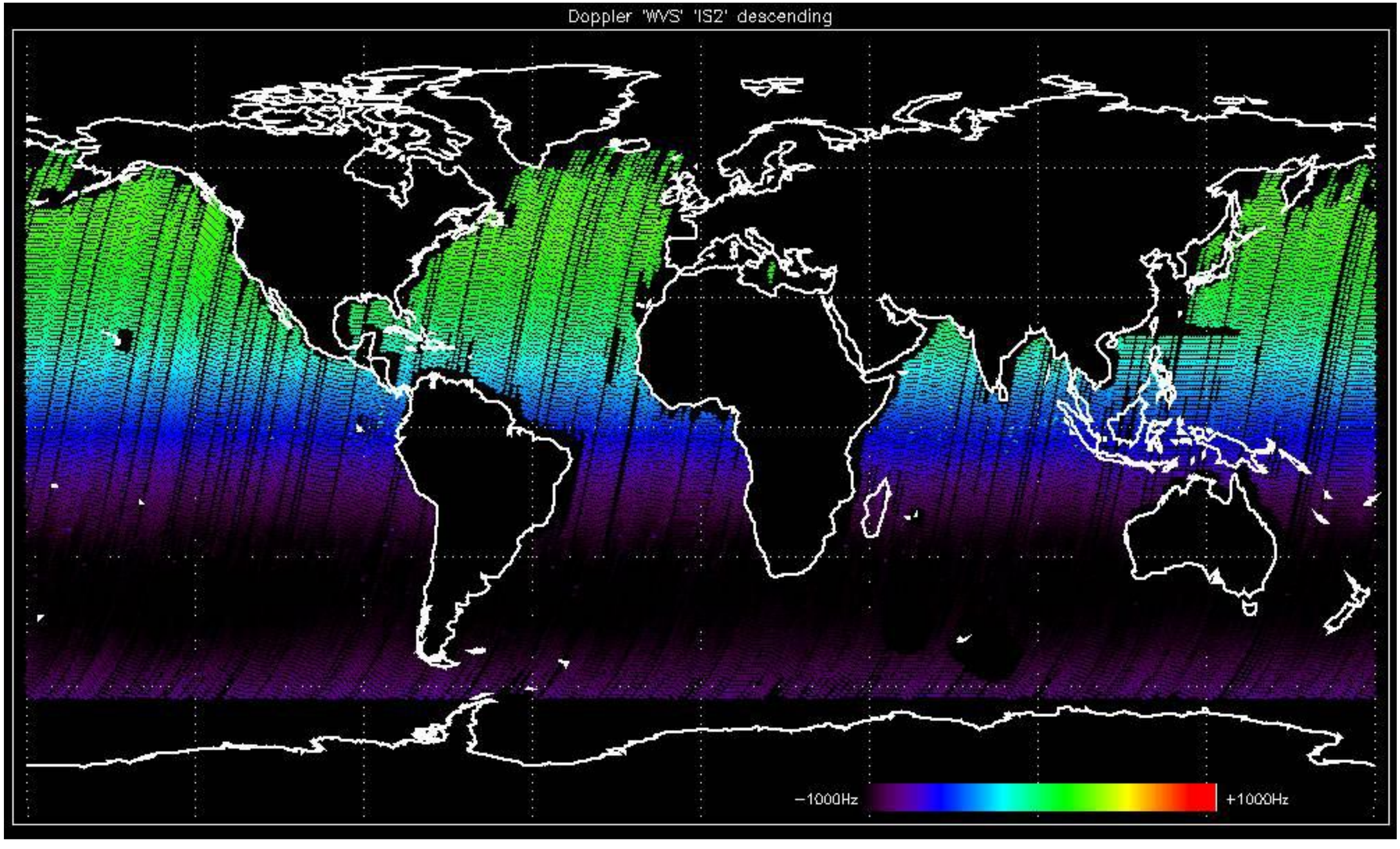
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

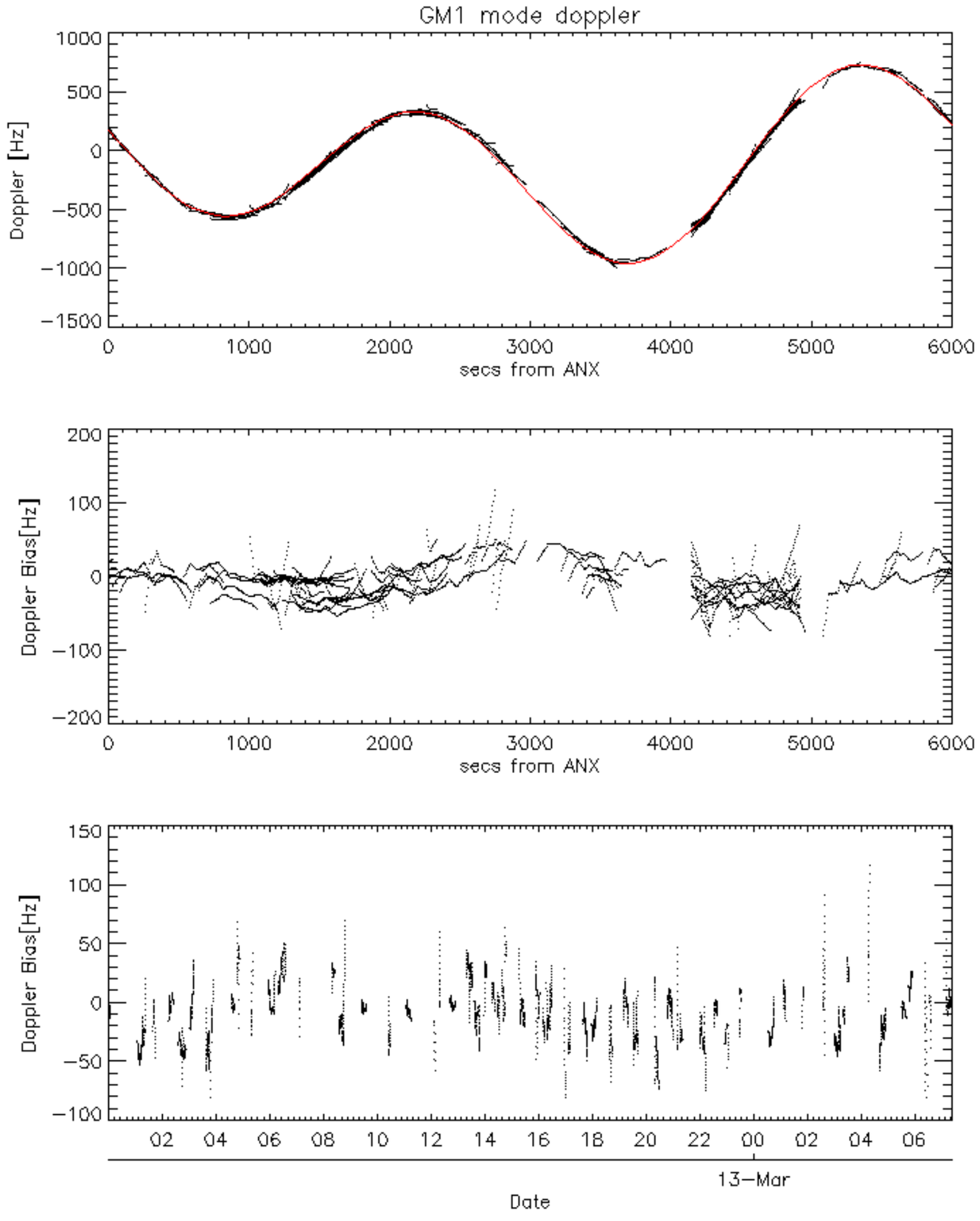
Preliminary report.The data is not yet controled

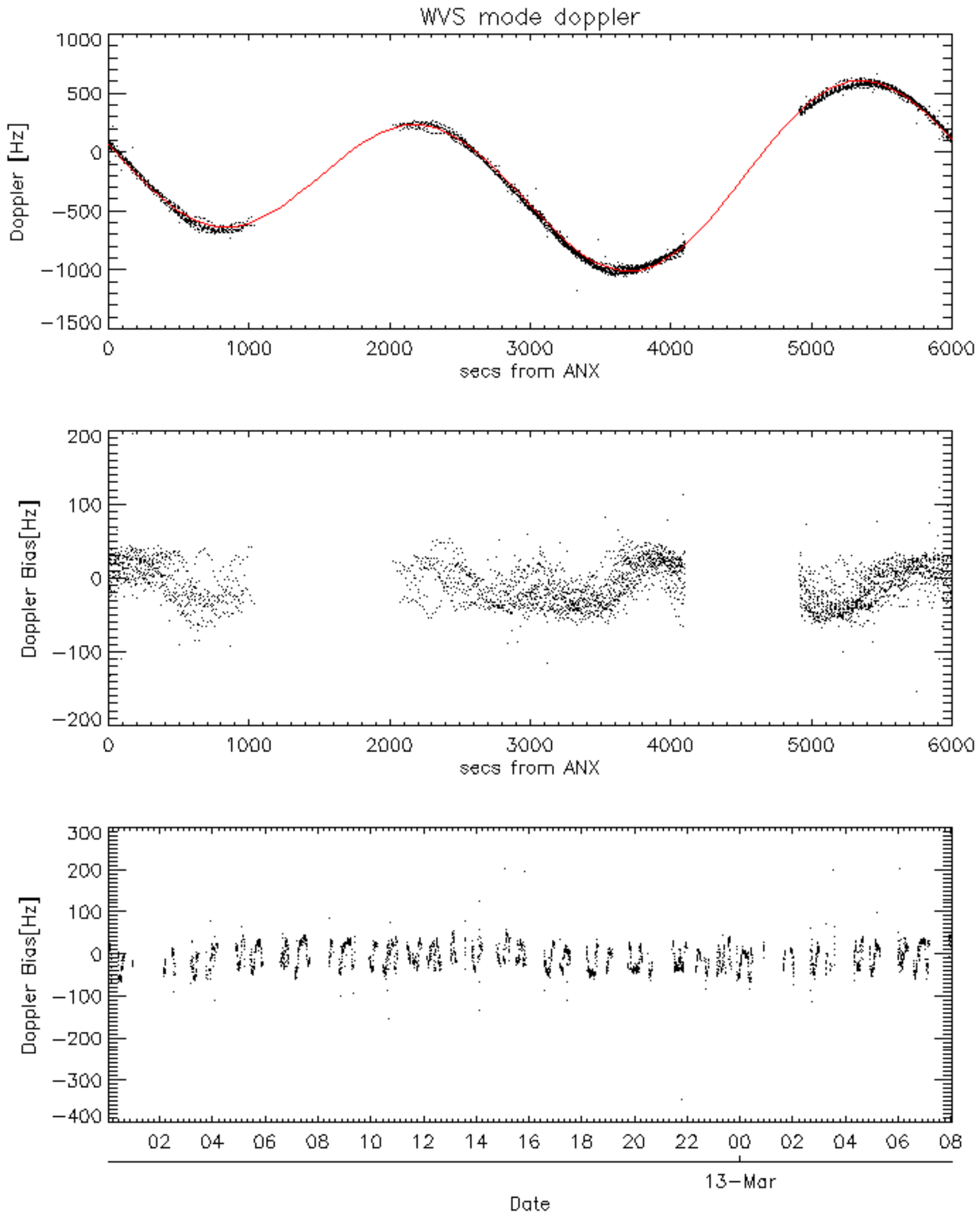

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

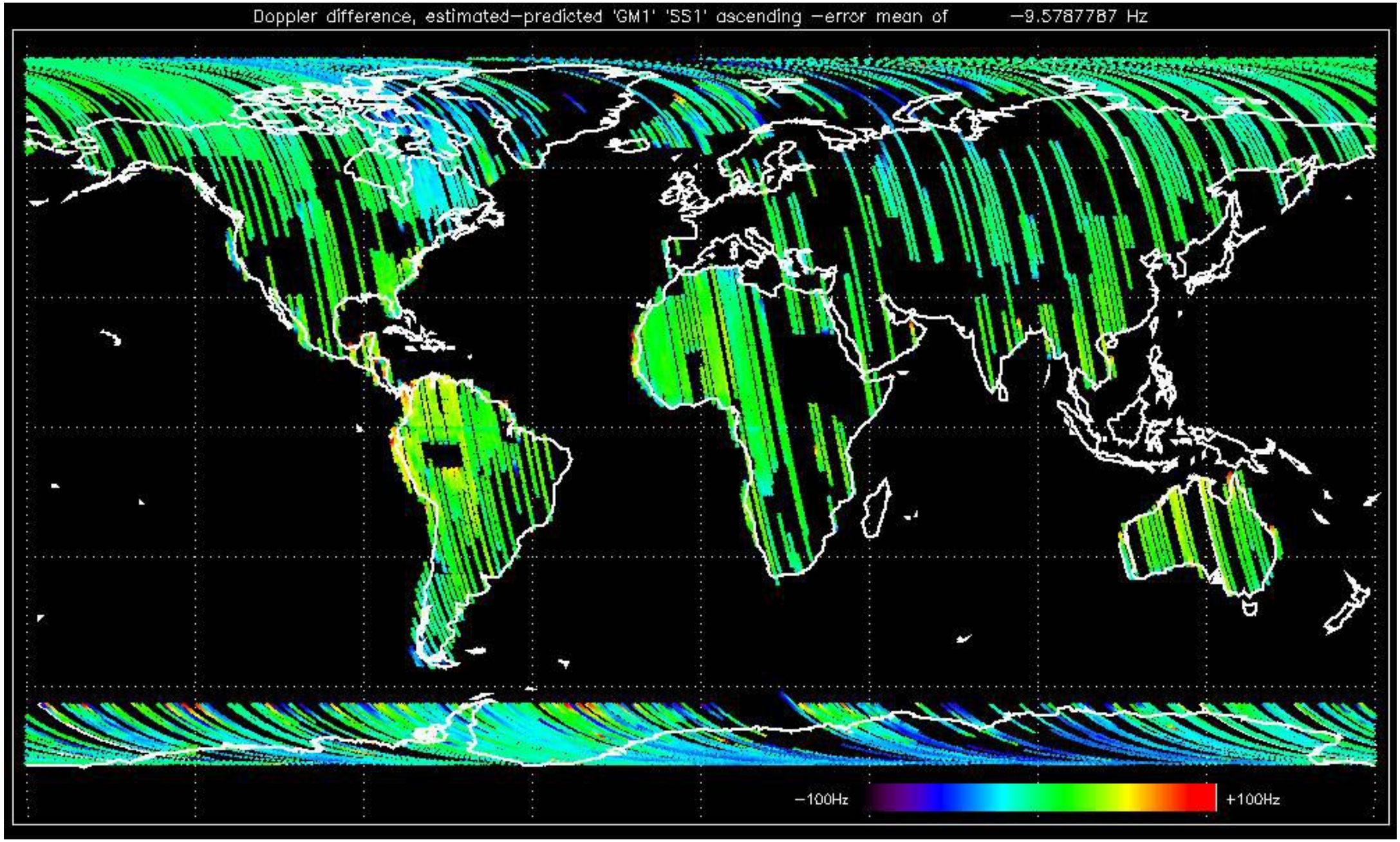

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

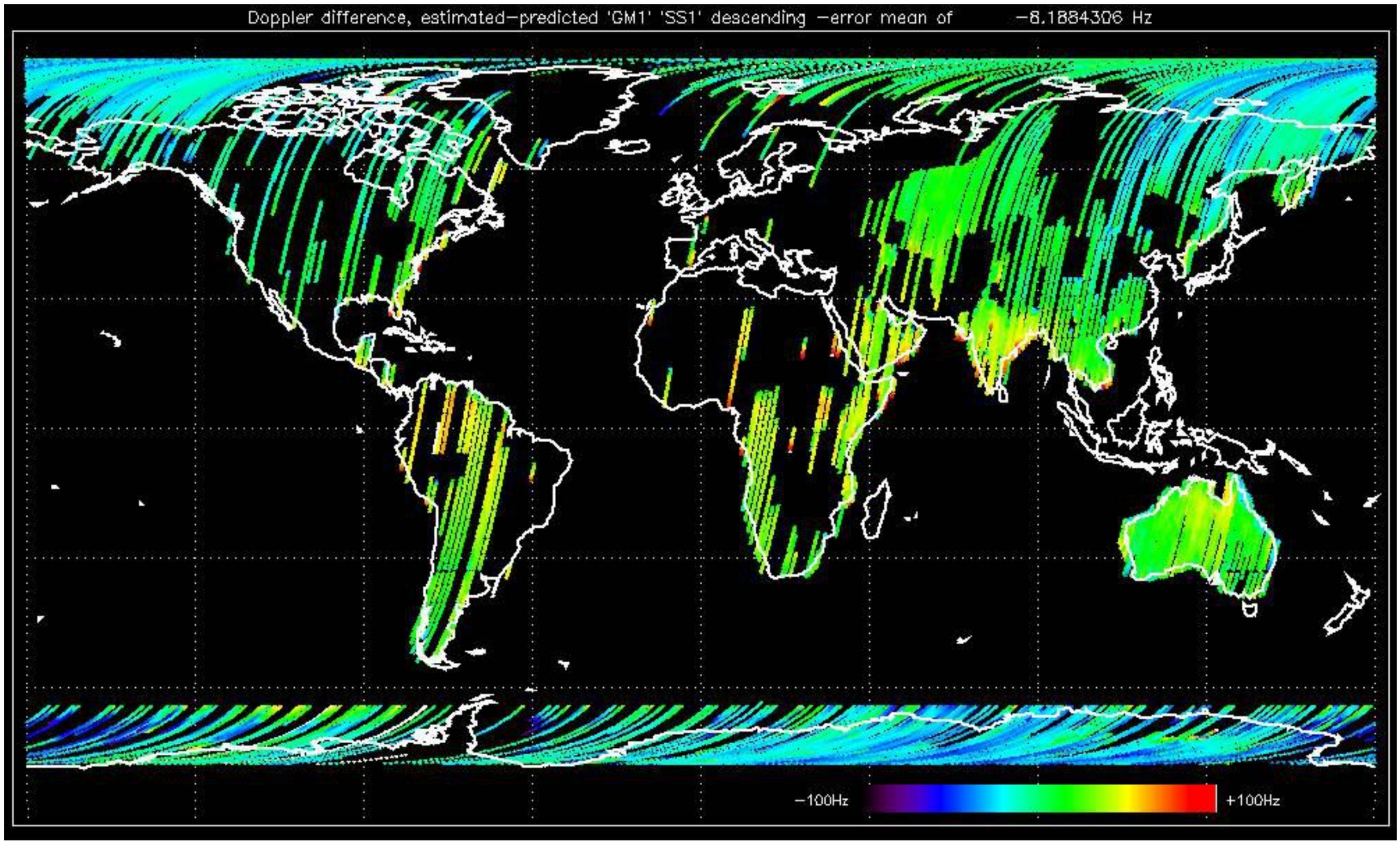

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

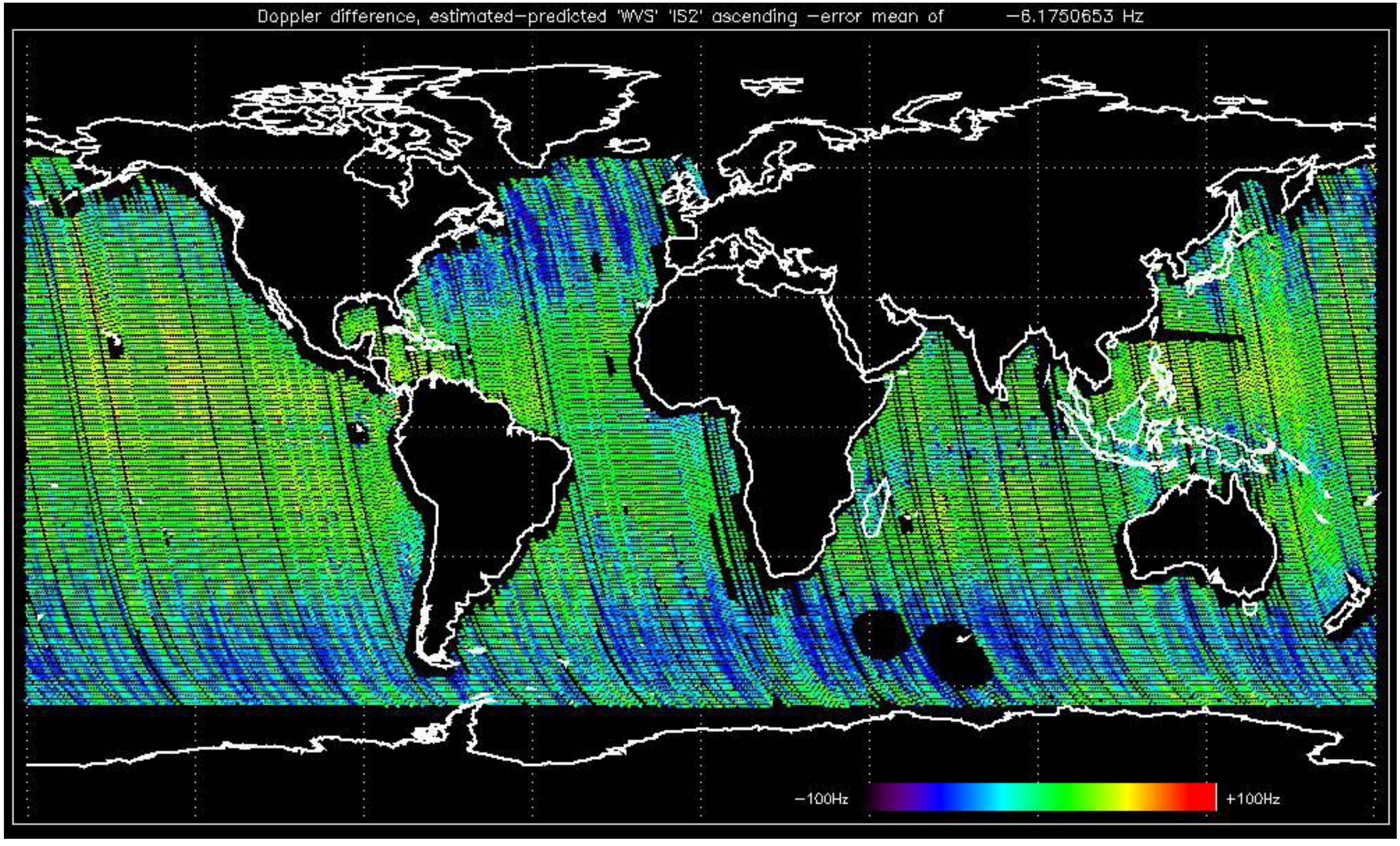

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

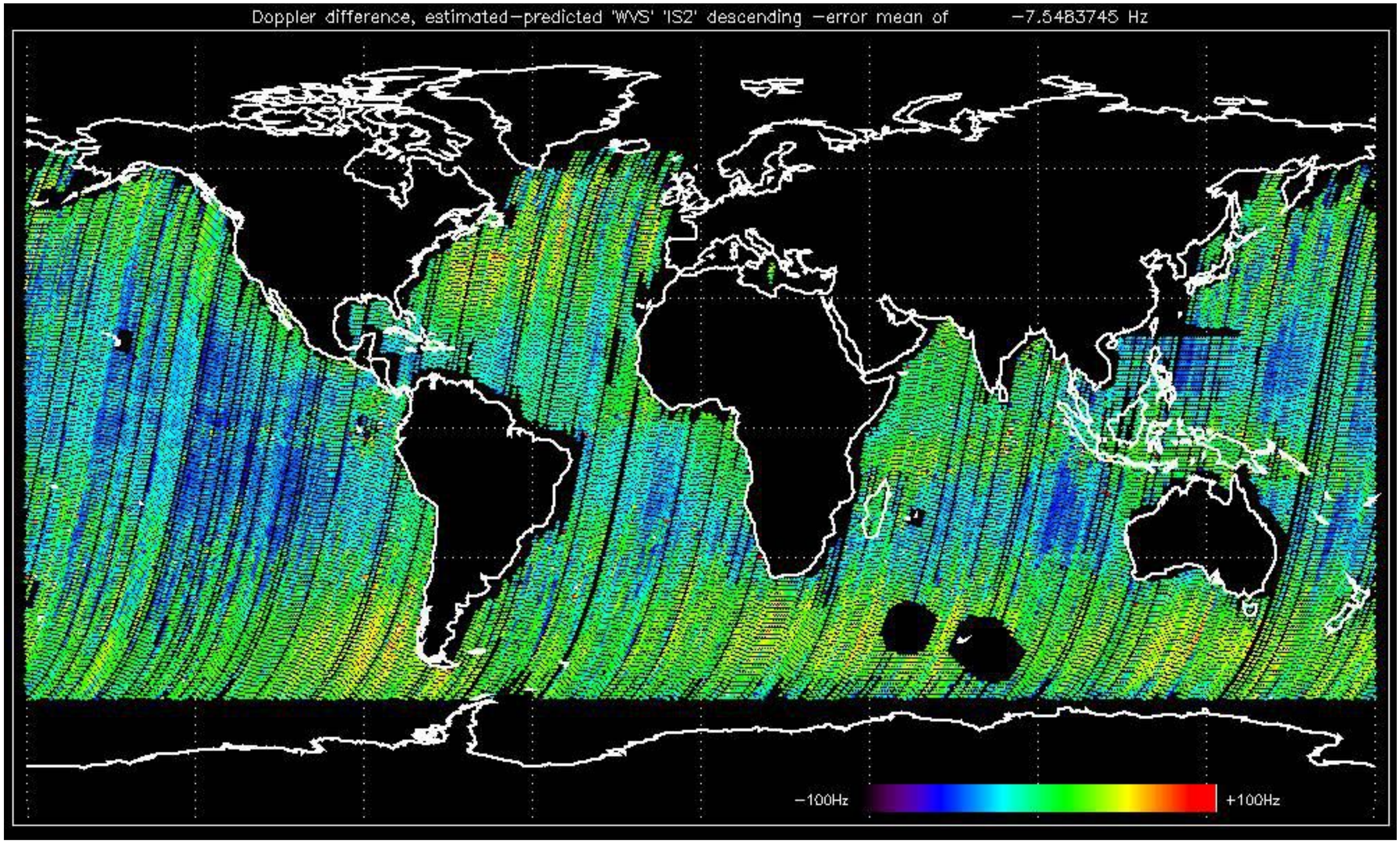

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
150
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
13−Mar
Date


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]
300
200
100
0
−100
−200
−300
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
13−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −9.5787787 Hz
−100Hz
+100Hz

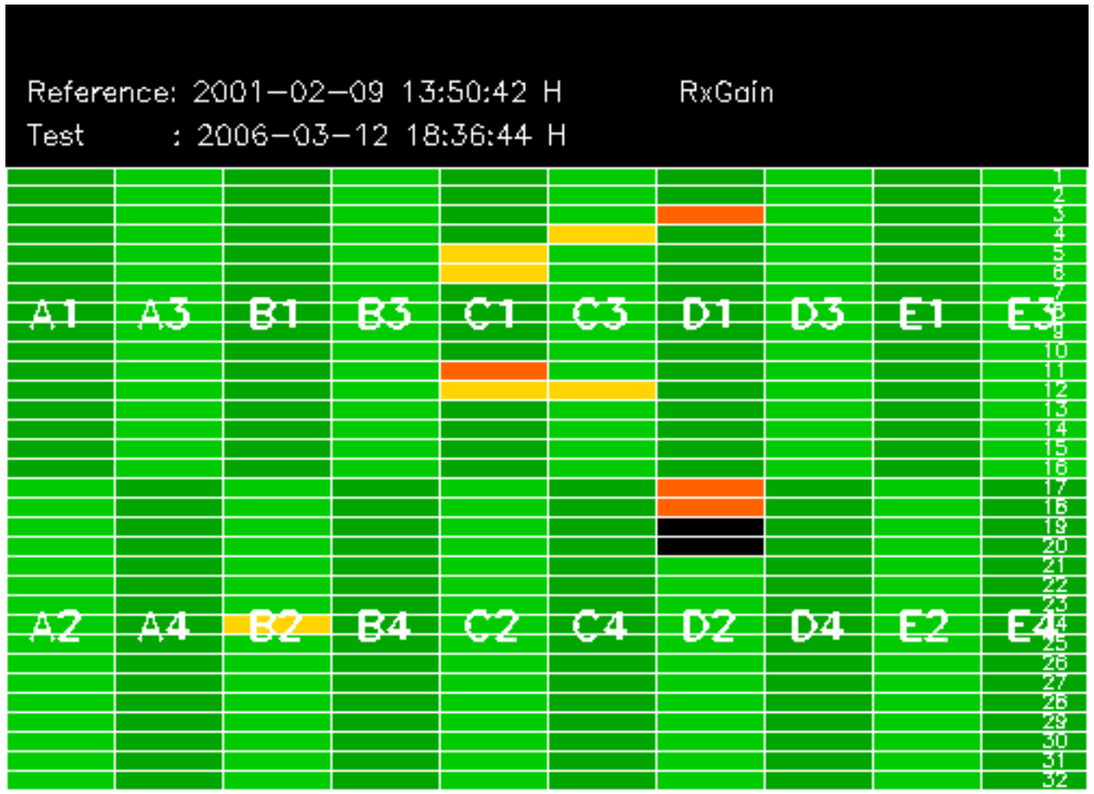

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −8.1884306 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.1750653 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.5483745 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-12 18:36:44 H
RxGain
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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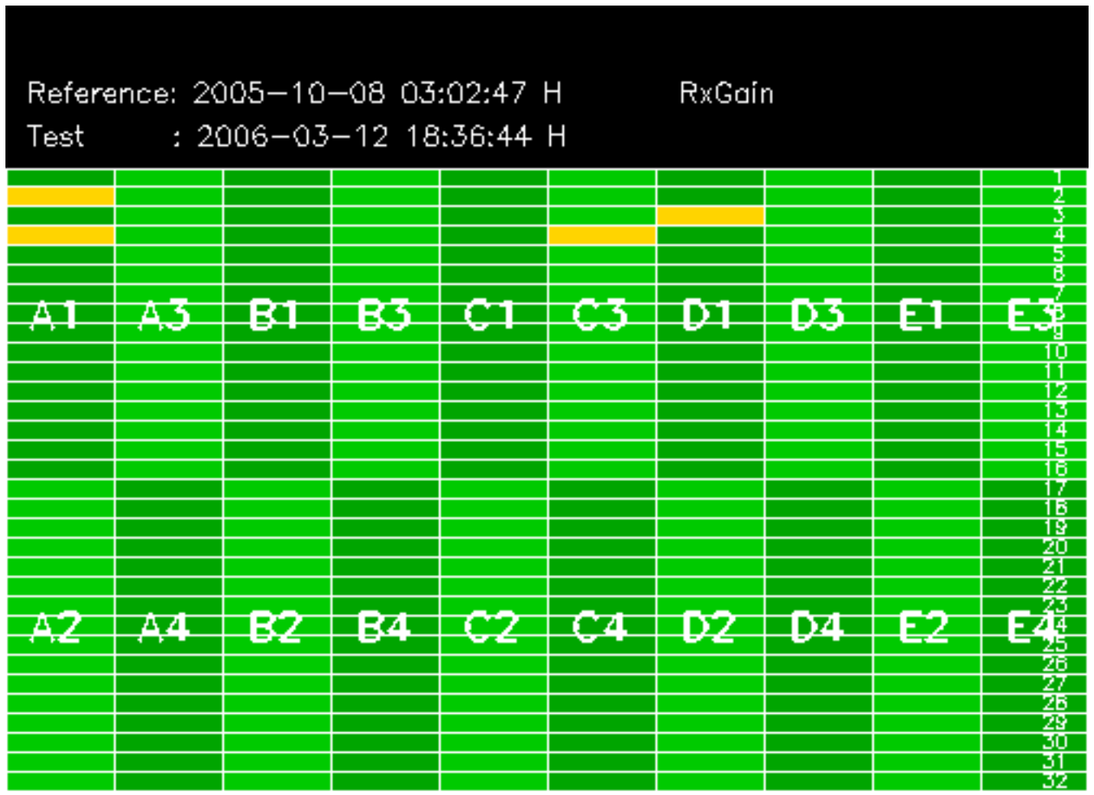
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-12 18:36:44 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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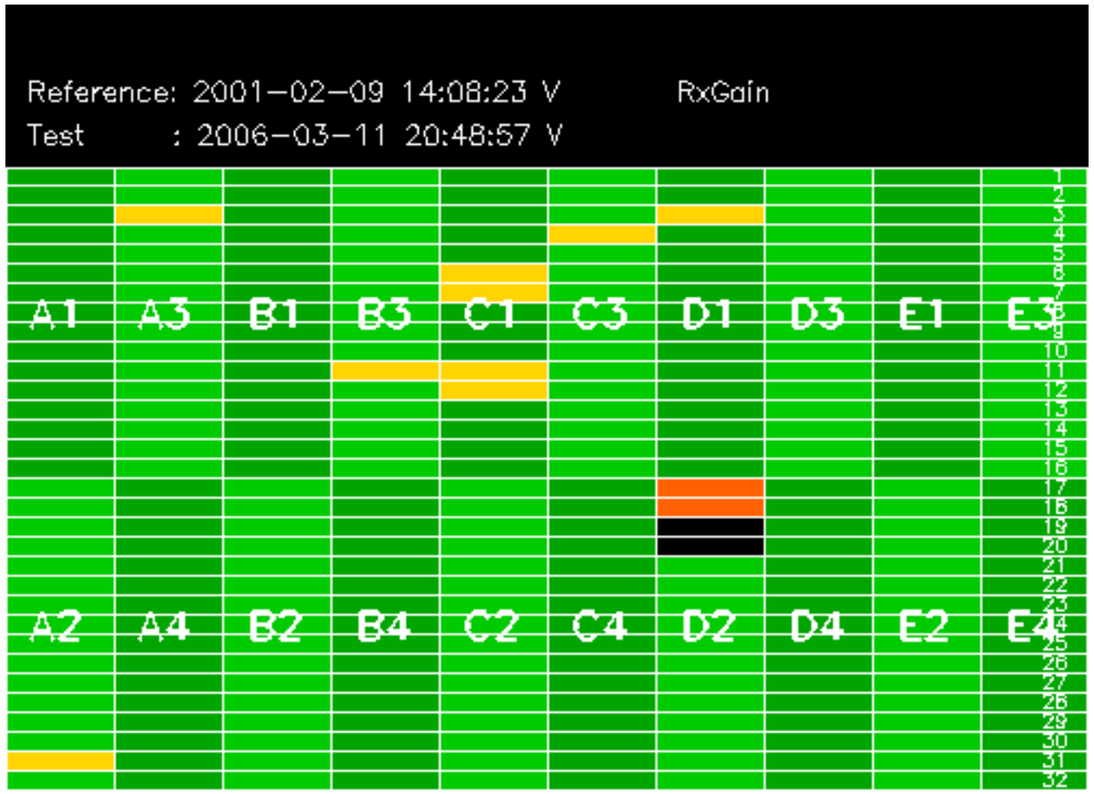
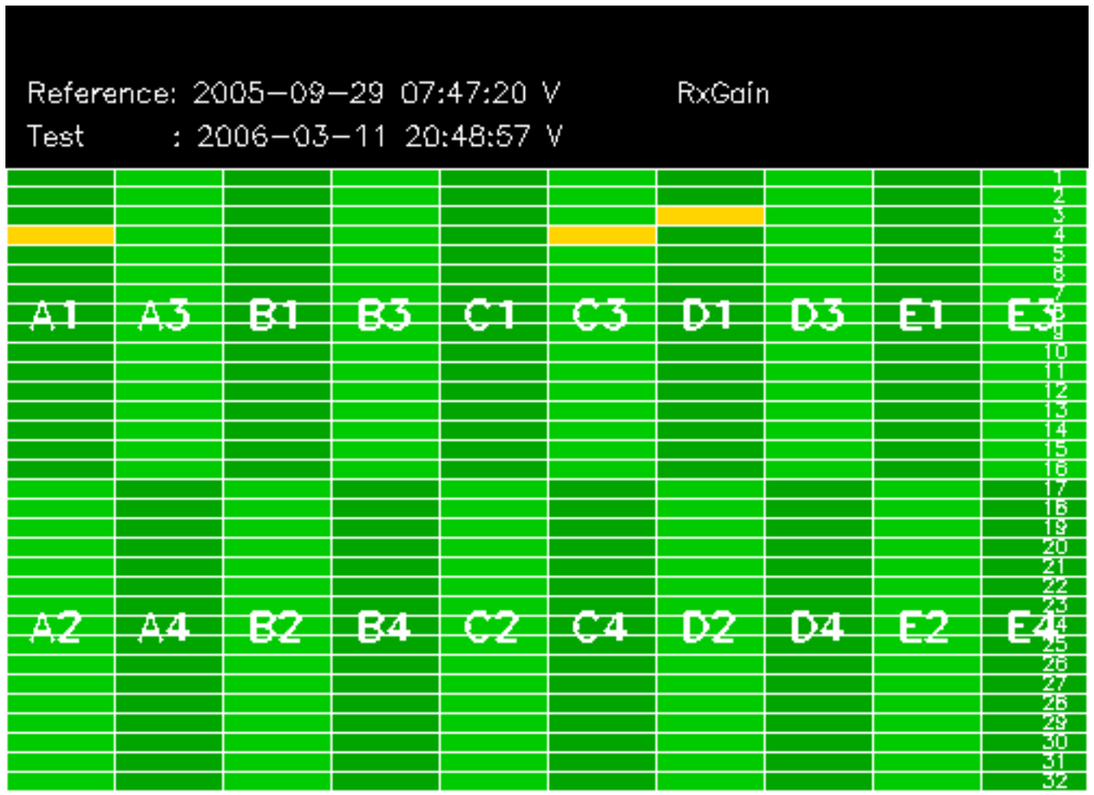

Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 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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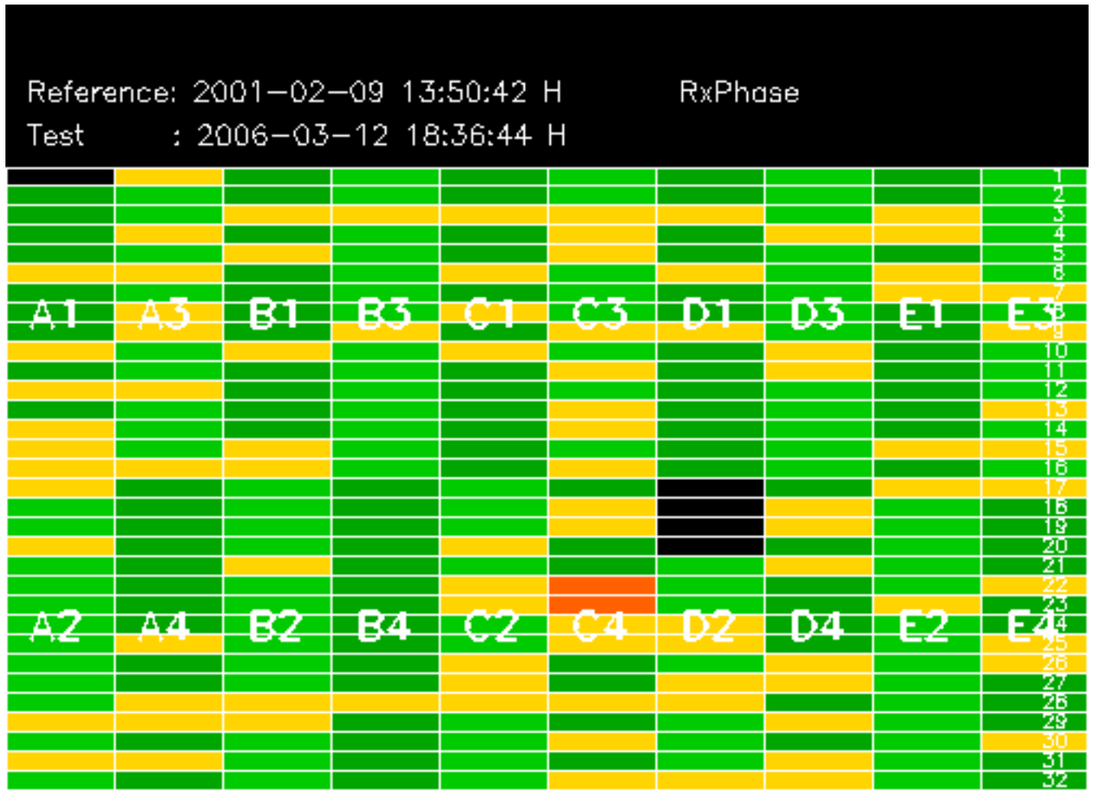
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-03-12 18:36:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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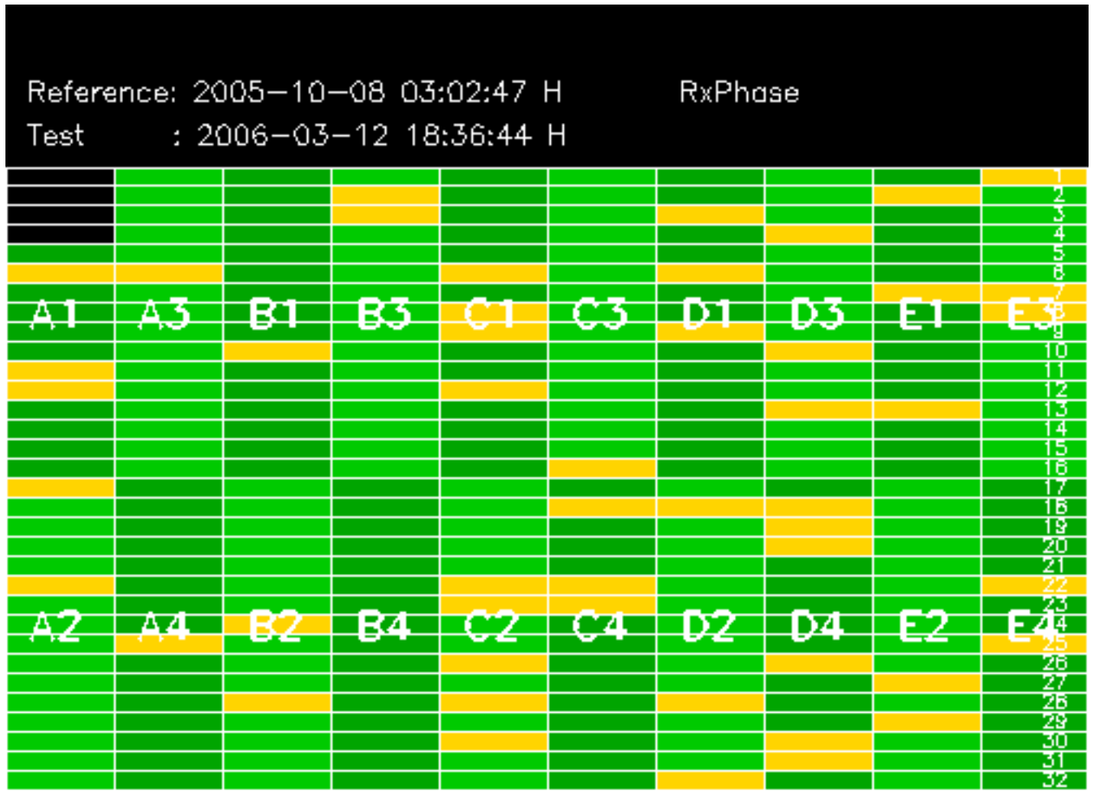
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-03-12 18:36:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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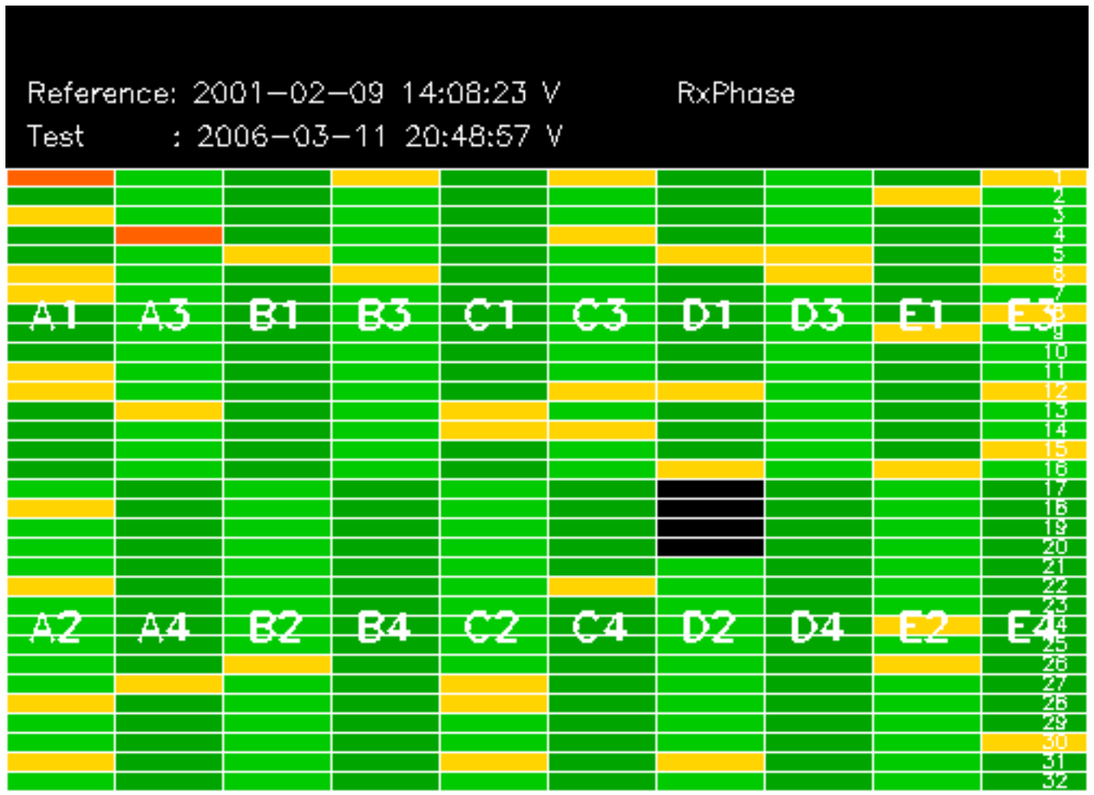
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-03-11 20:48:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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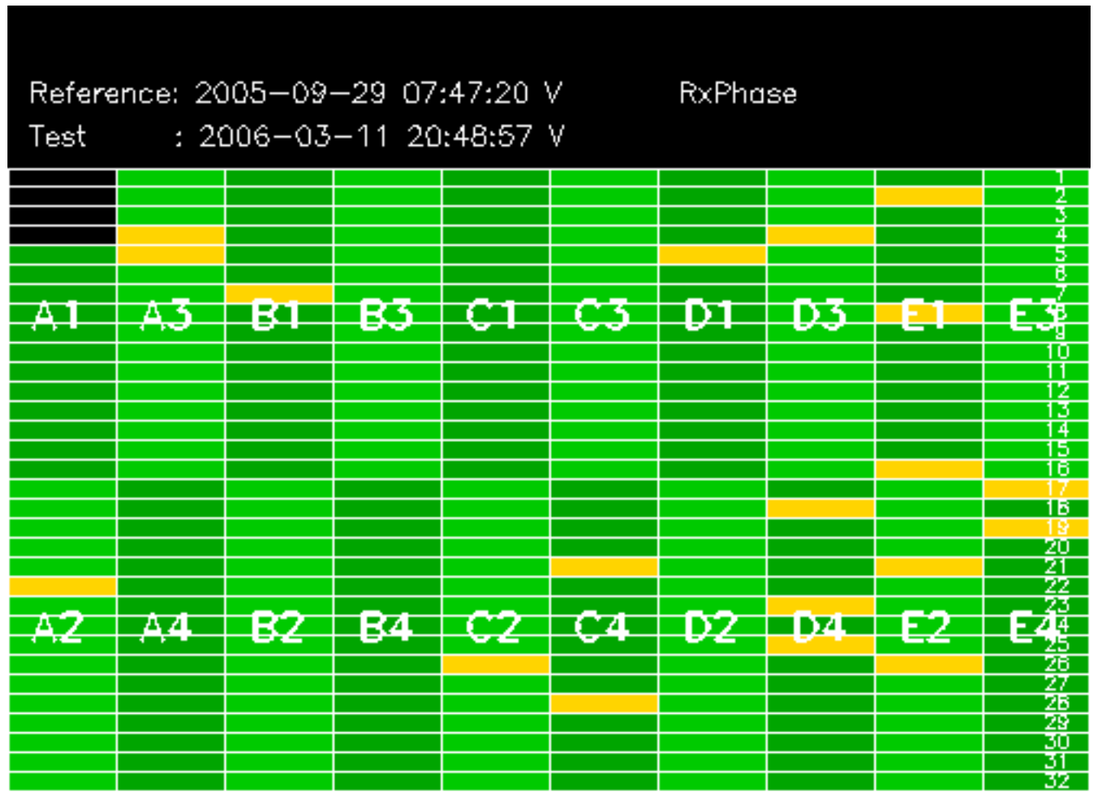
Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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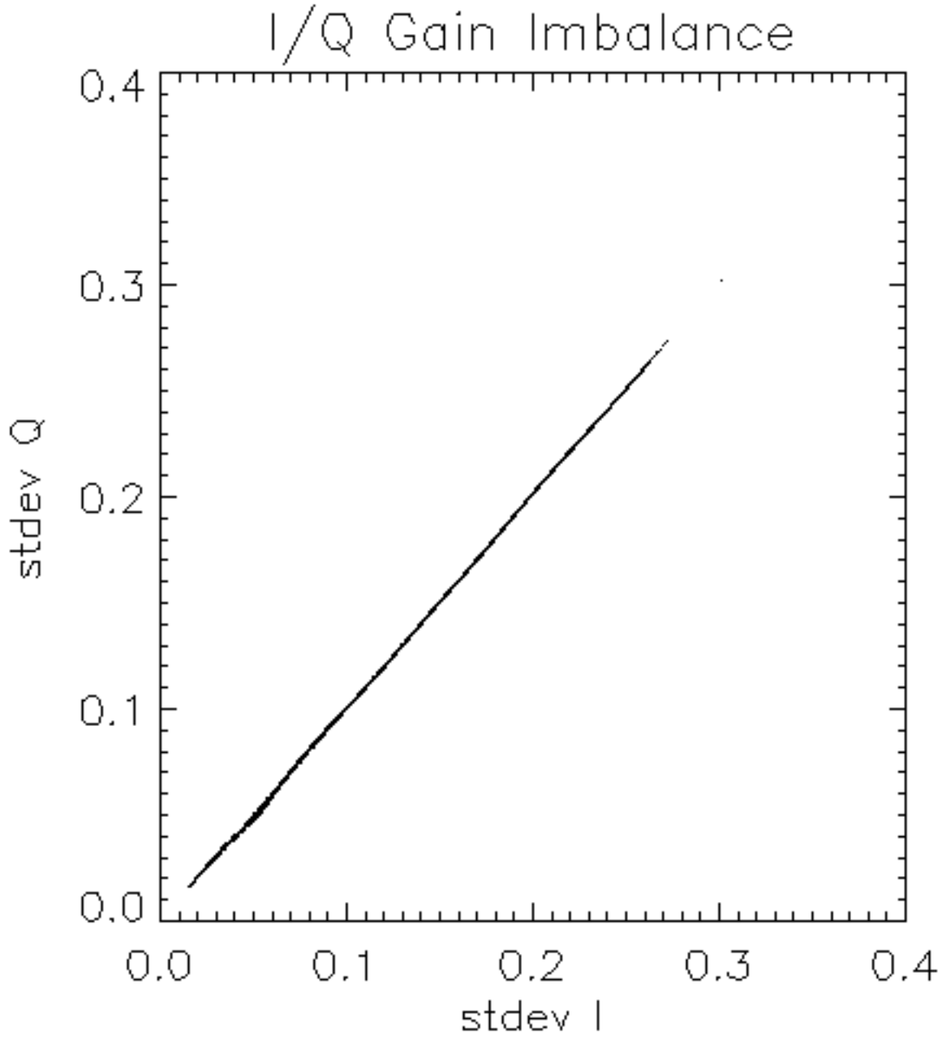
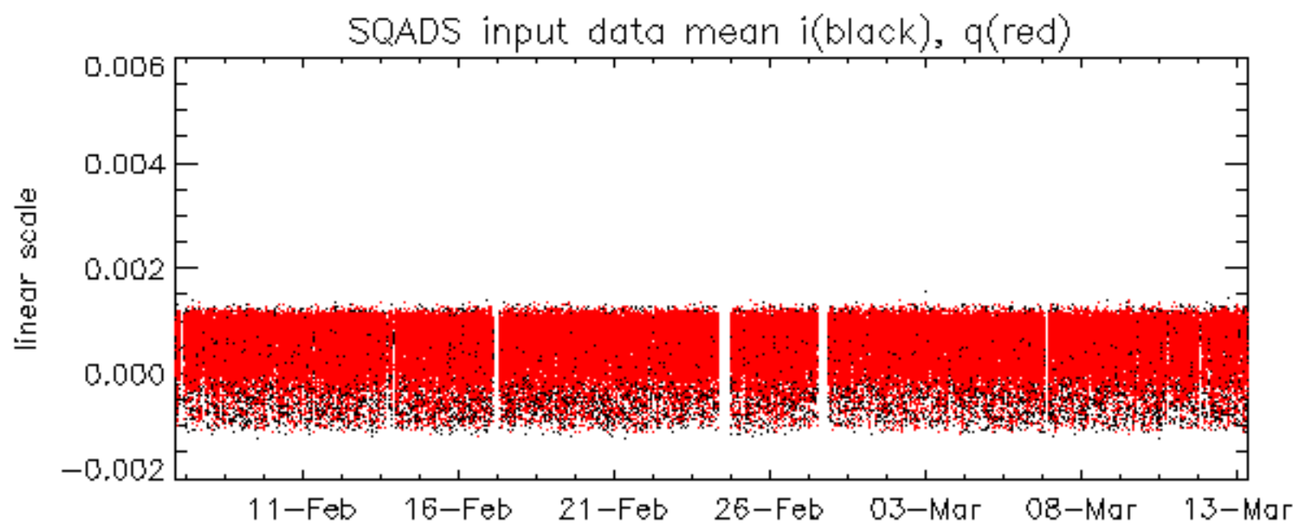
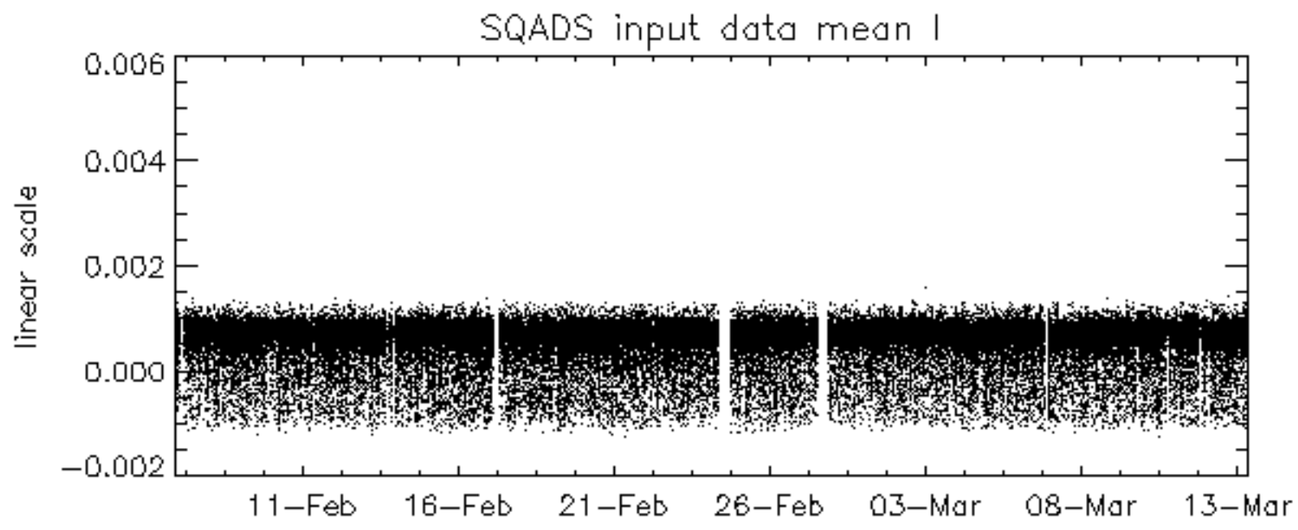
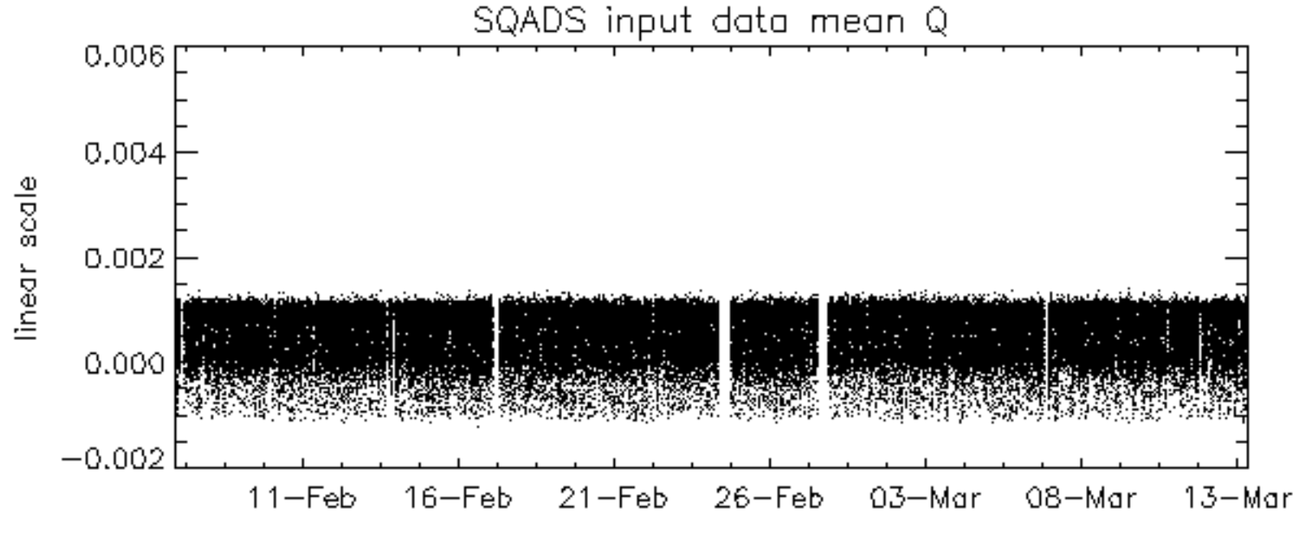
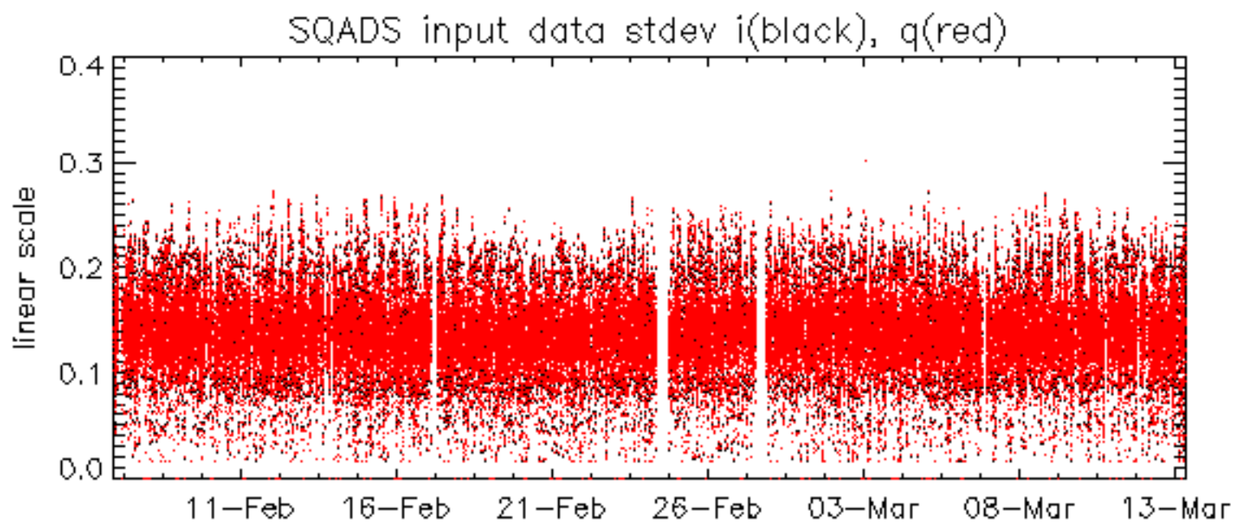
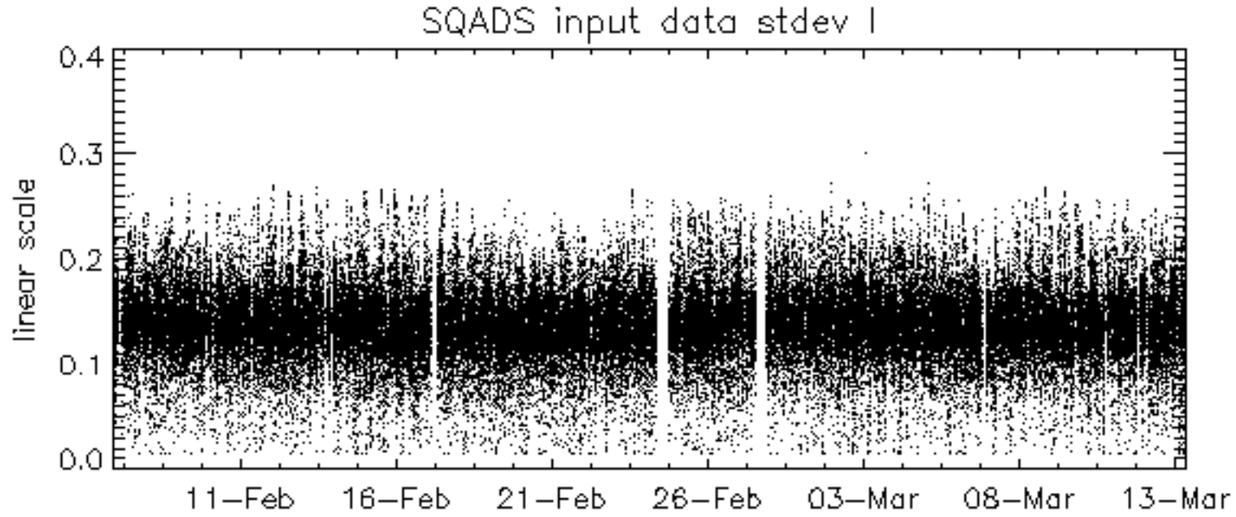

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

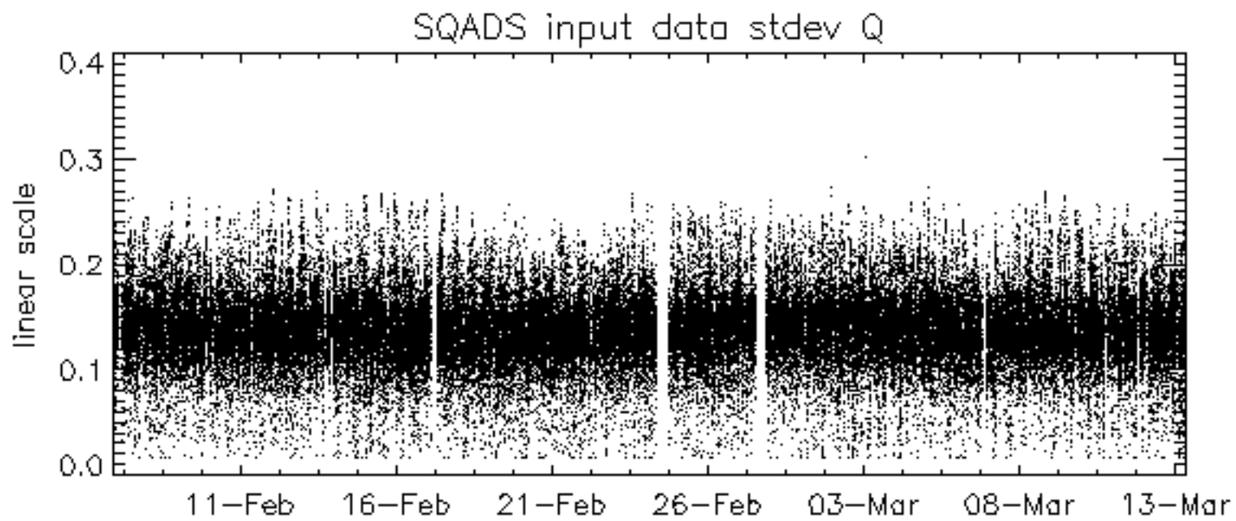

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar

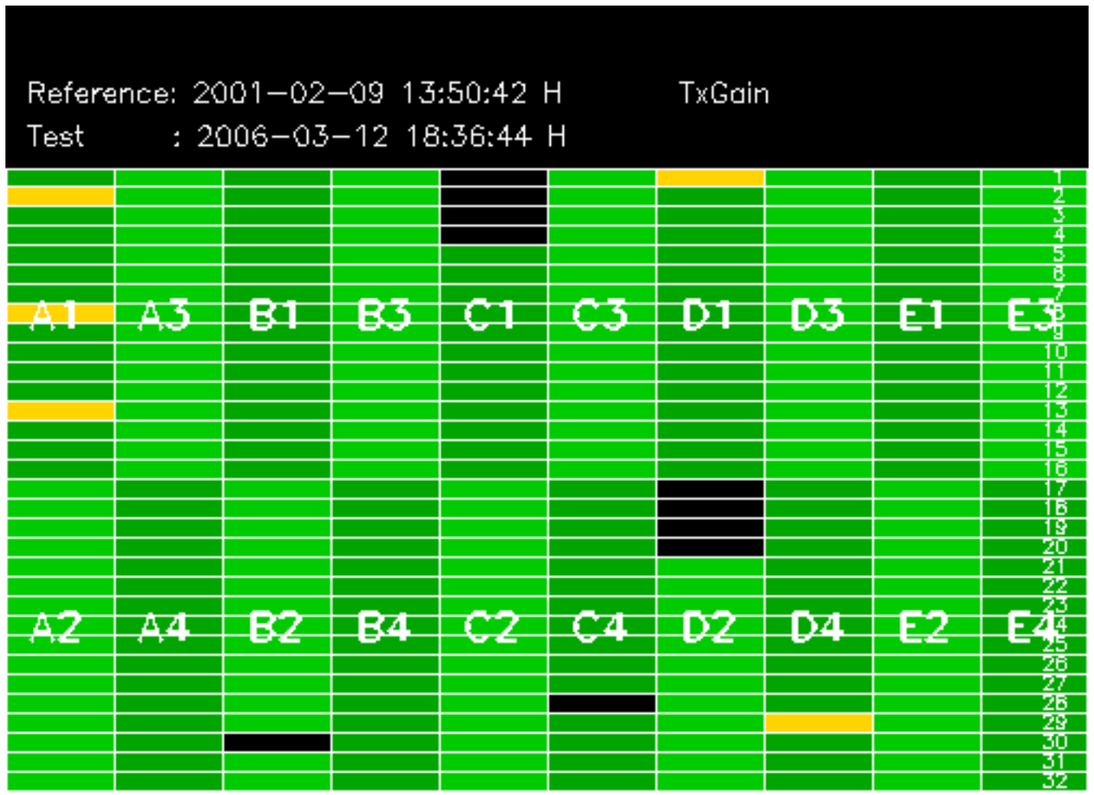

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar


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 : 2006-03-12 18:36:44 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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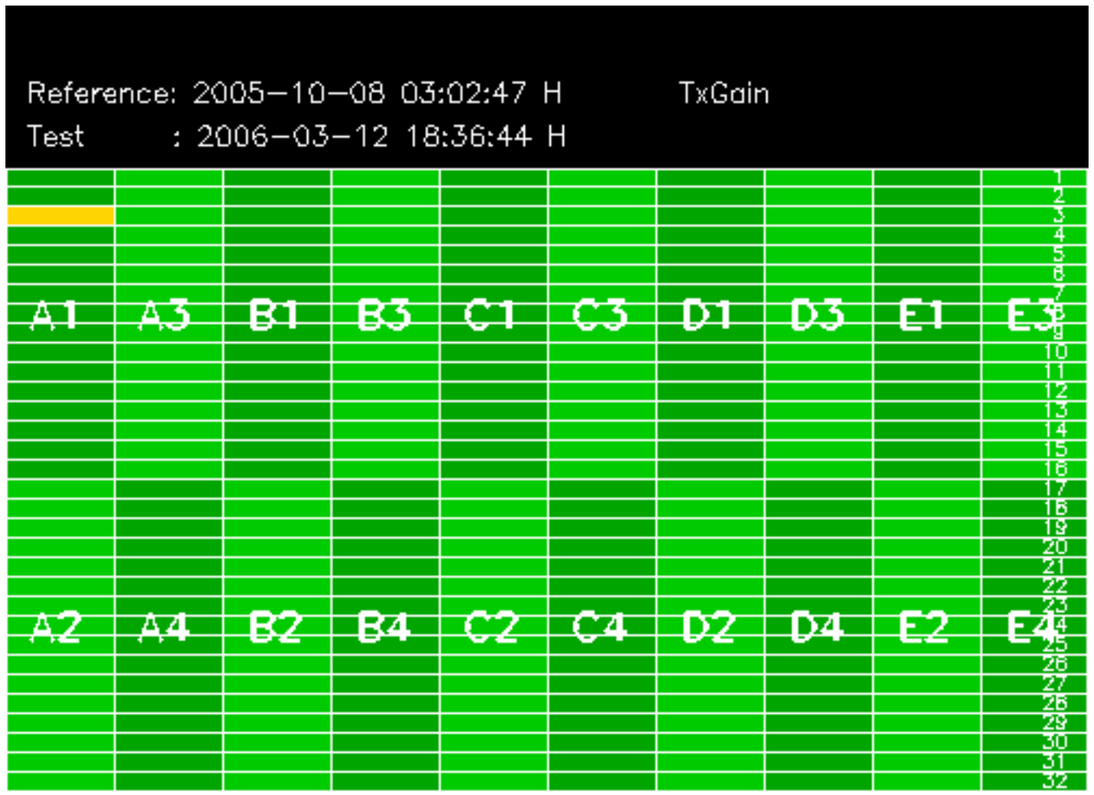
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-12 18:36:44 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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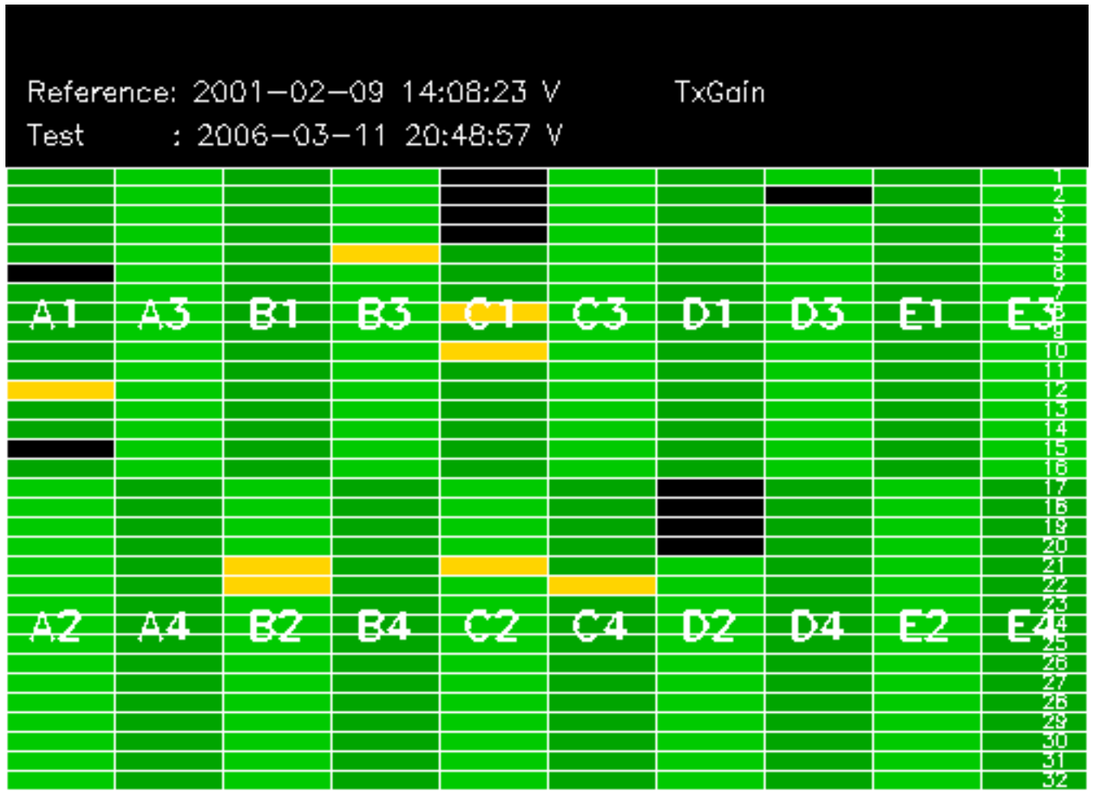
Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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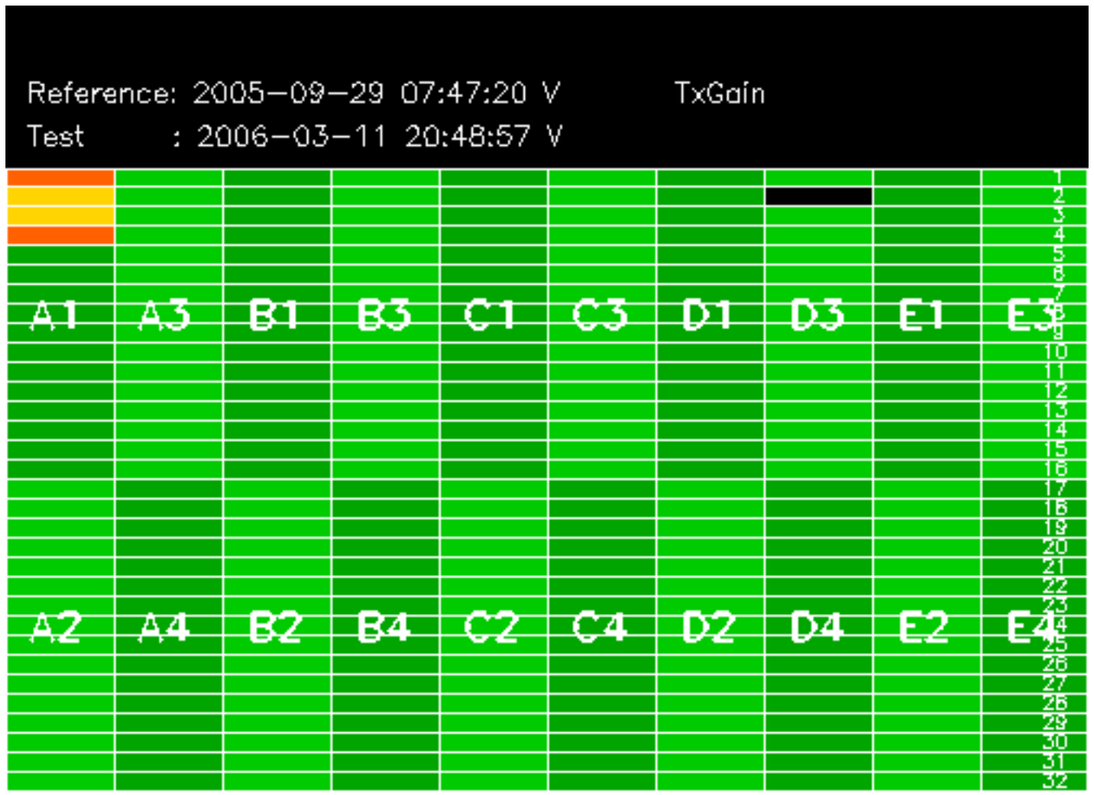
Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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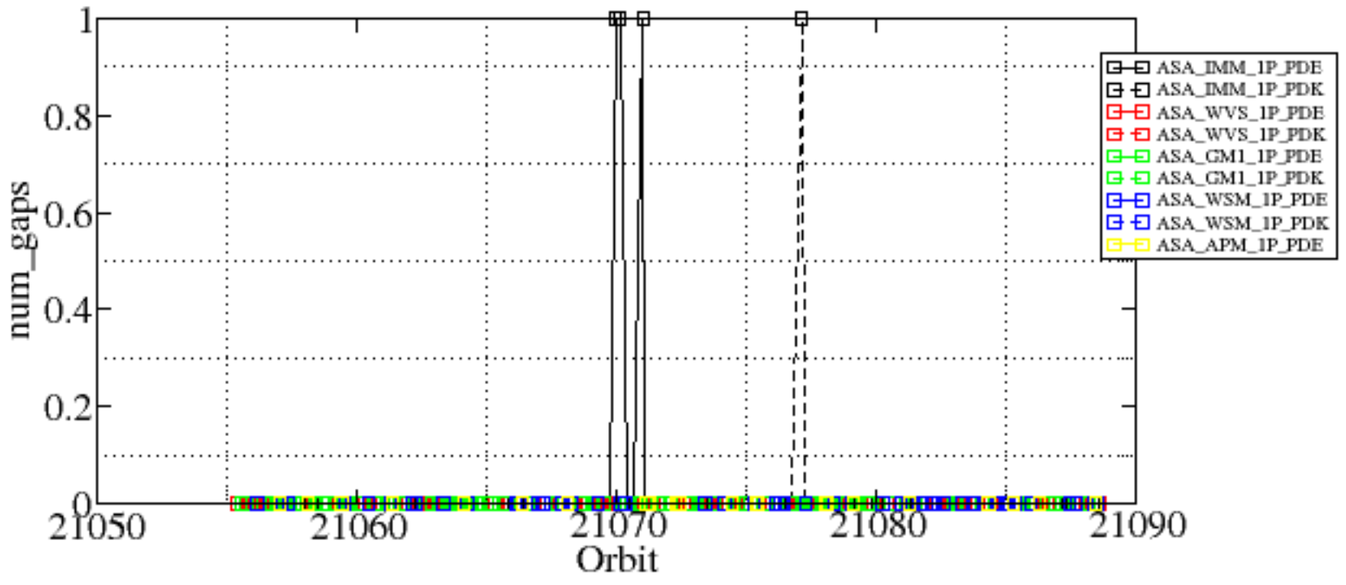
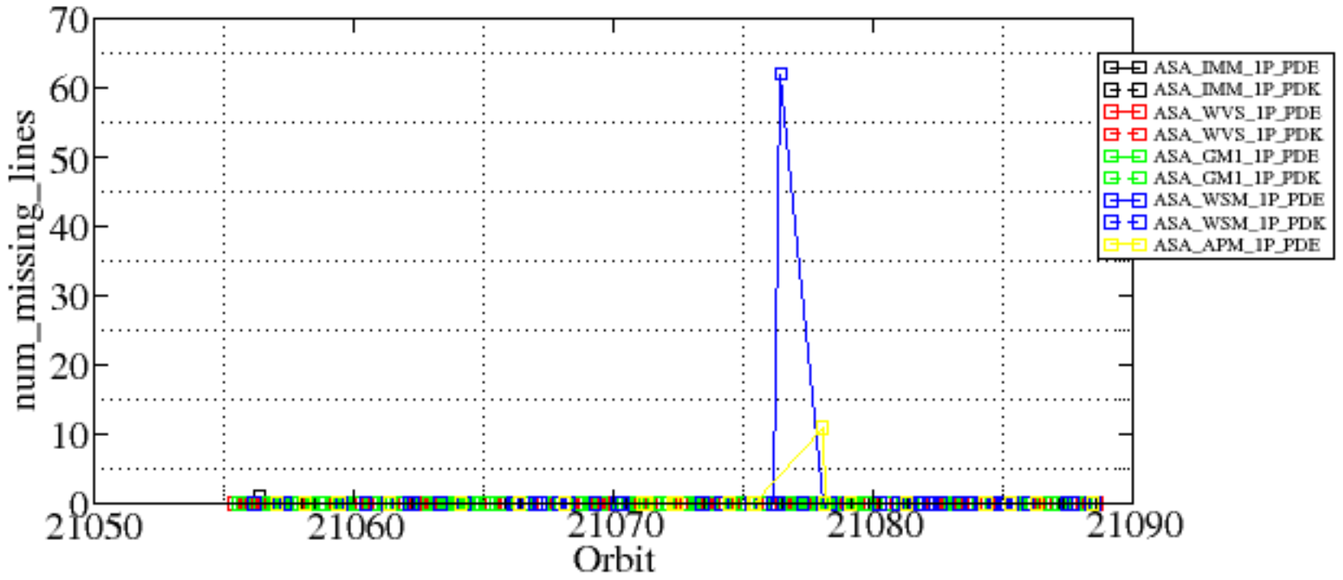
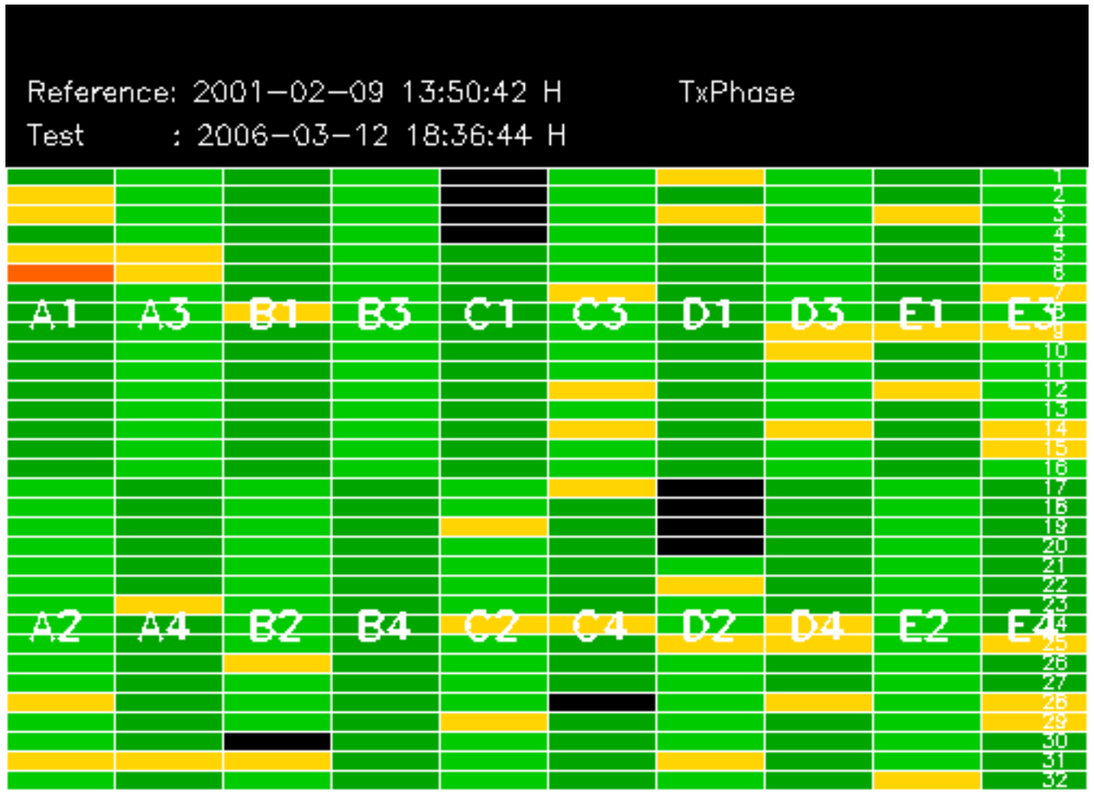
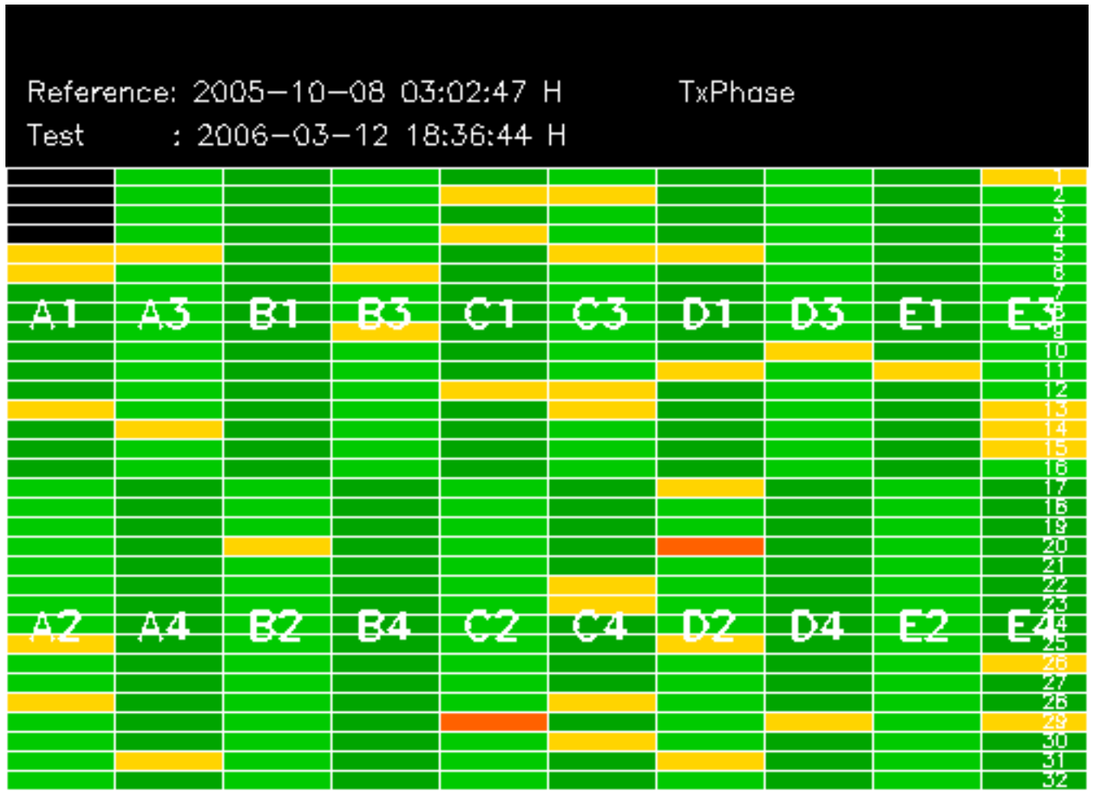
Summary of analysis for the last 3 days 2006031[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060311_015053_000001992045_00461_21056_0412.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_003948_000001552045_00474_21069_0566.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_005604_000000362045_00475_21070_0559.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0586.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0595.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20060312_124030_000000362045_00482_21077_0195.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060312_113127_000001842045_00481_21076_0468.N1 </td> <td>0 </td> <td>62 </td></tr>
<tr> <td>ASA_APM_1PNPDE20060312_141416_000000412045_00483_21078_0171.N1 </td> <td>0 </td> <td>11 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
21050
21060
21070
21080
21090
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


num_missing_lines
70
60
50
40
30
20
10
0
21050
21060
21070
21080
21090
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


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-12 18:36:44 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-03-12 18:36:44 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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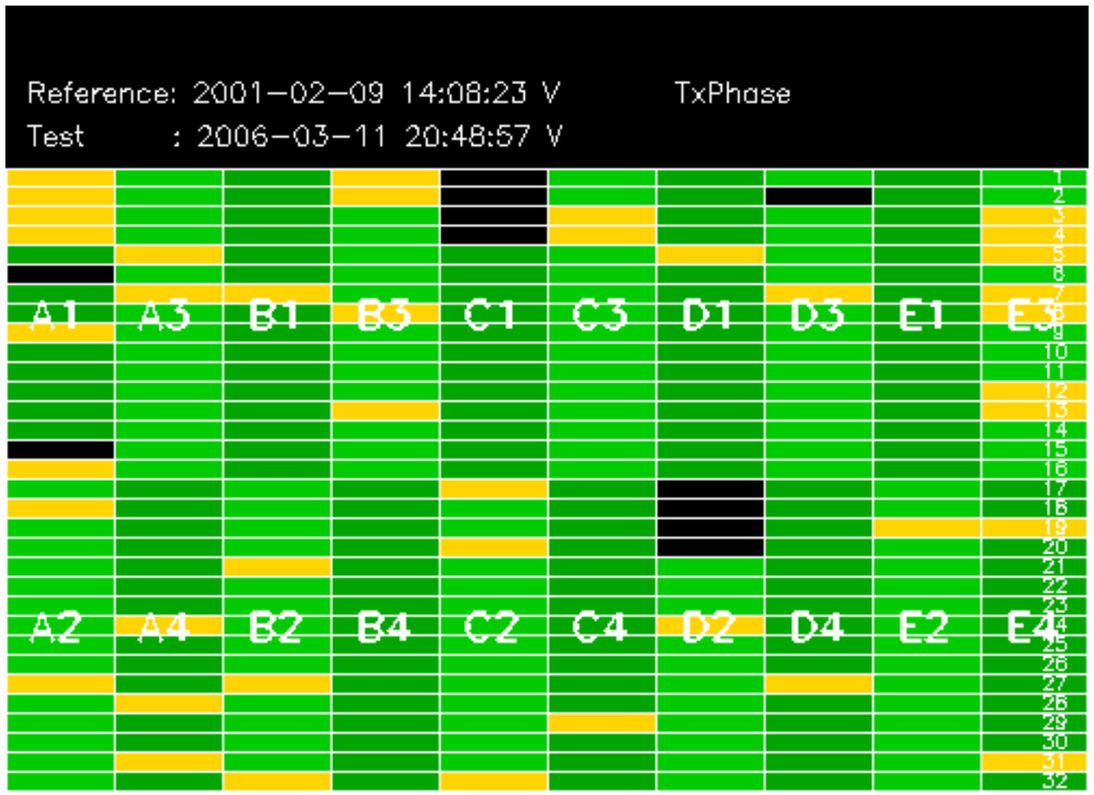
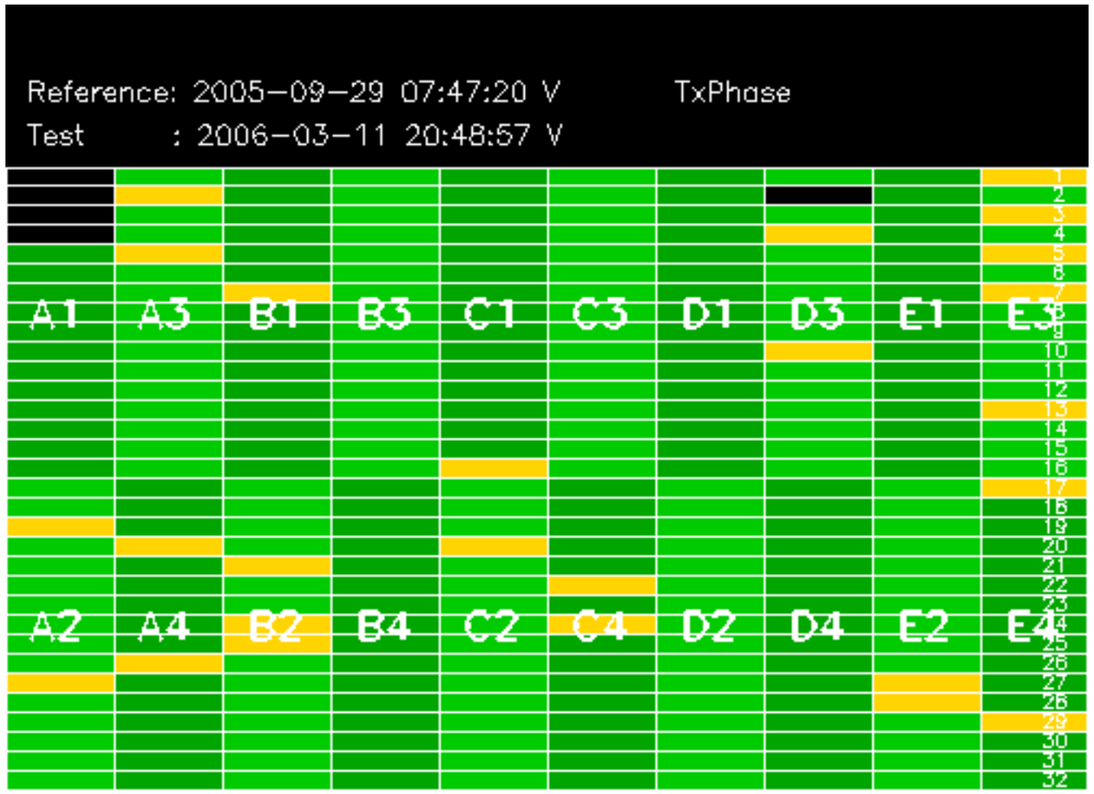

Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
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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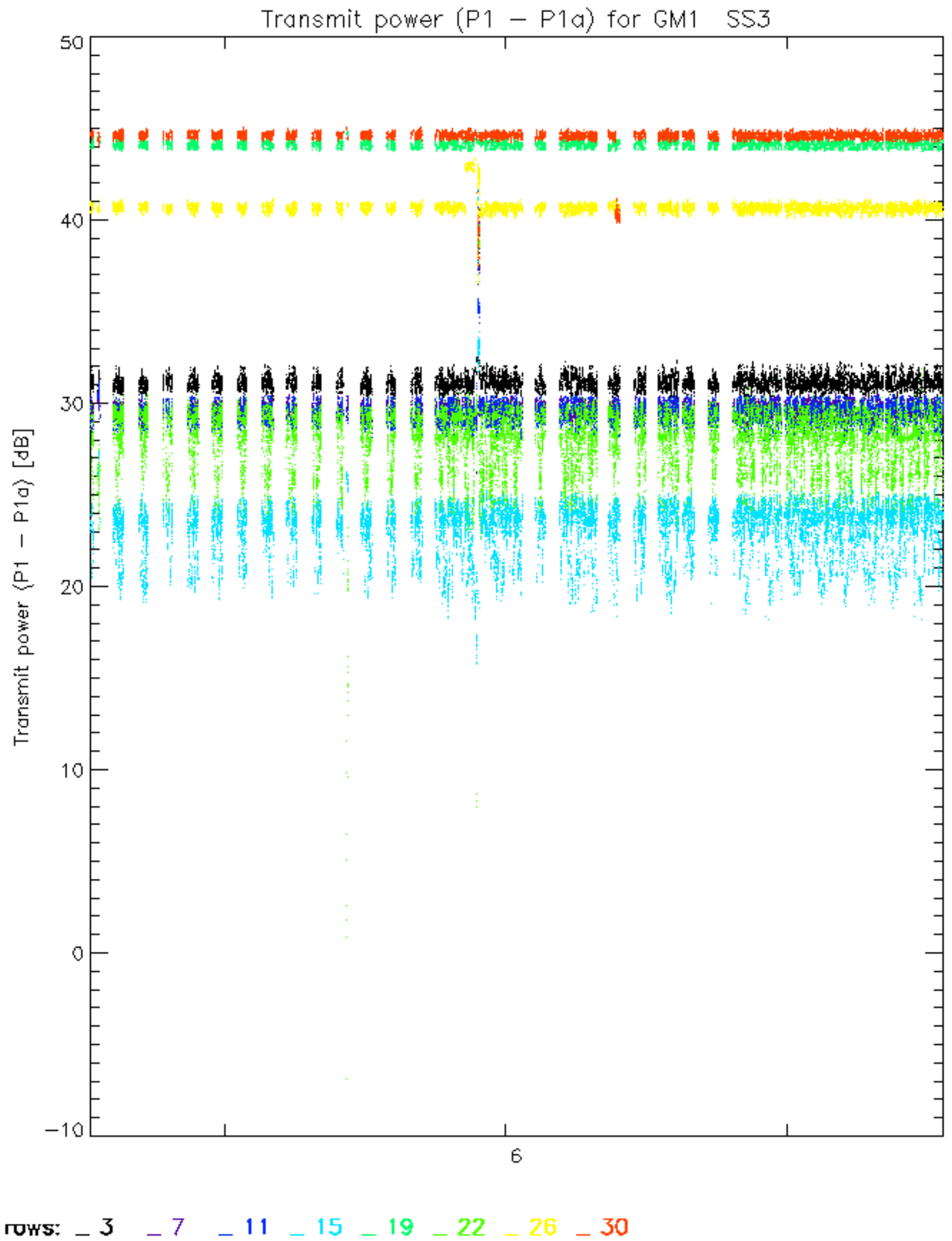
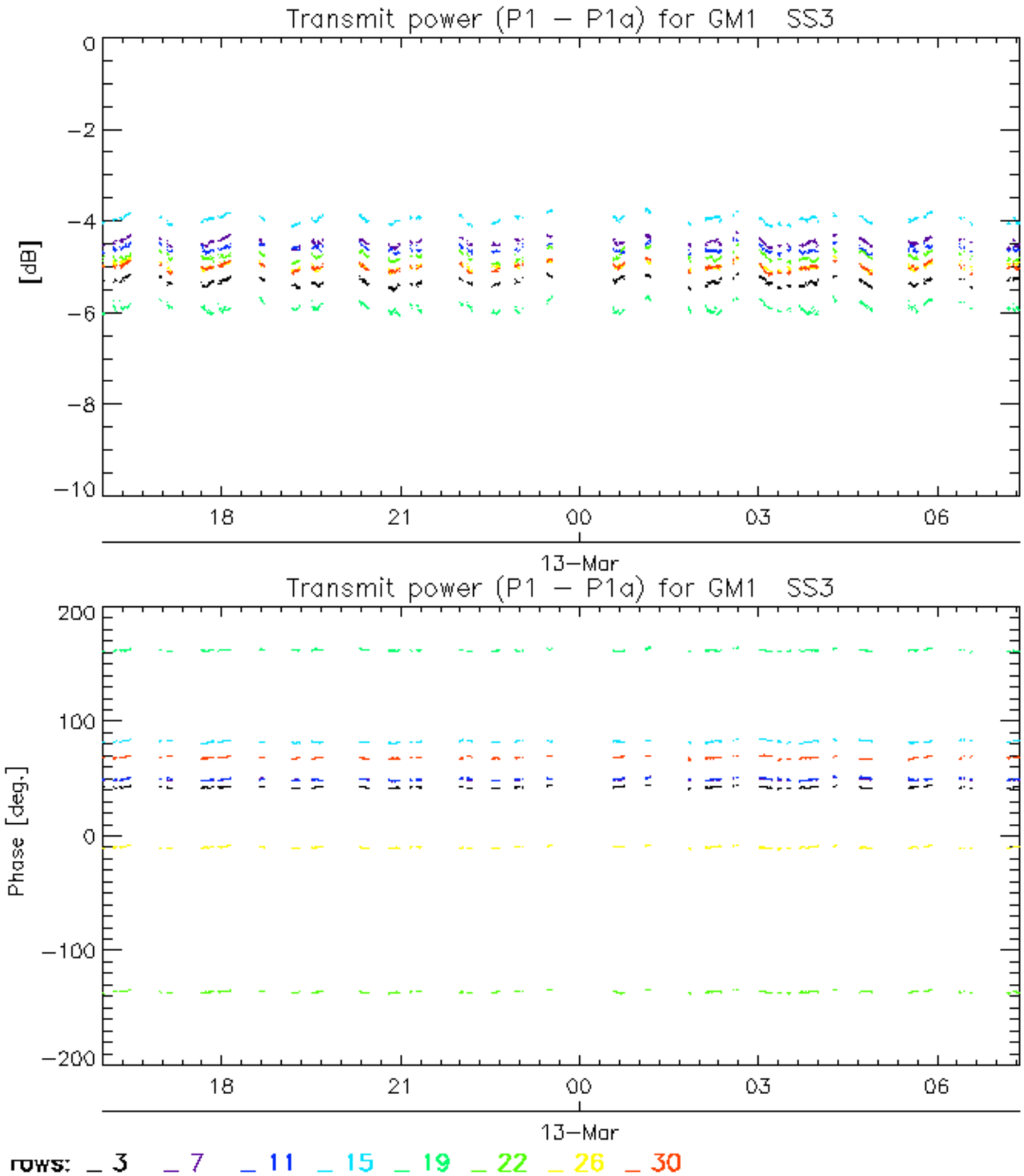
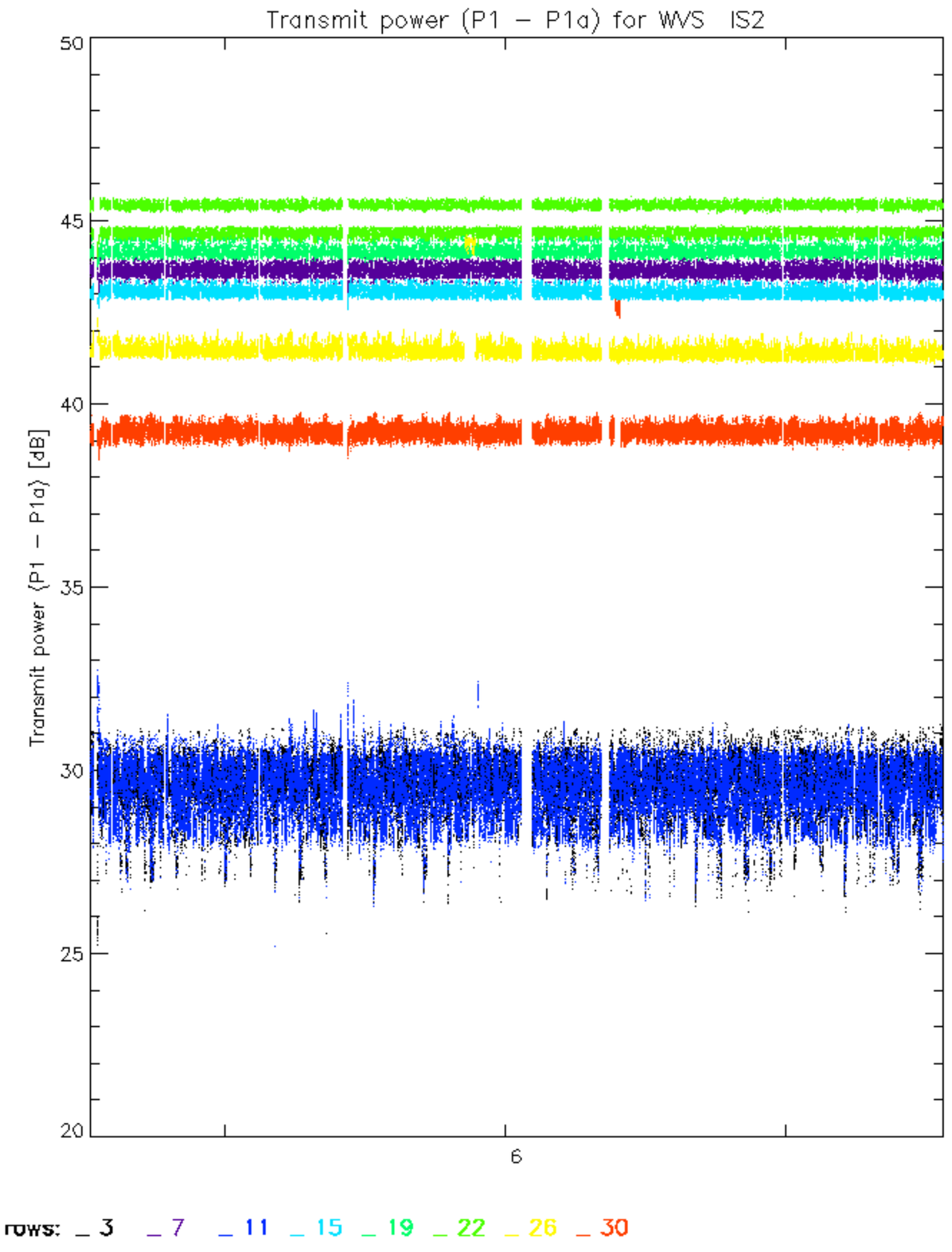
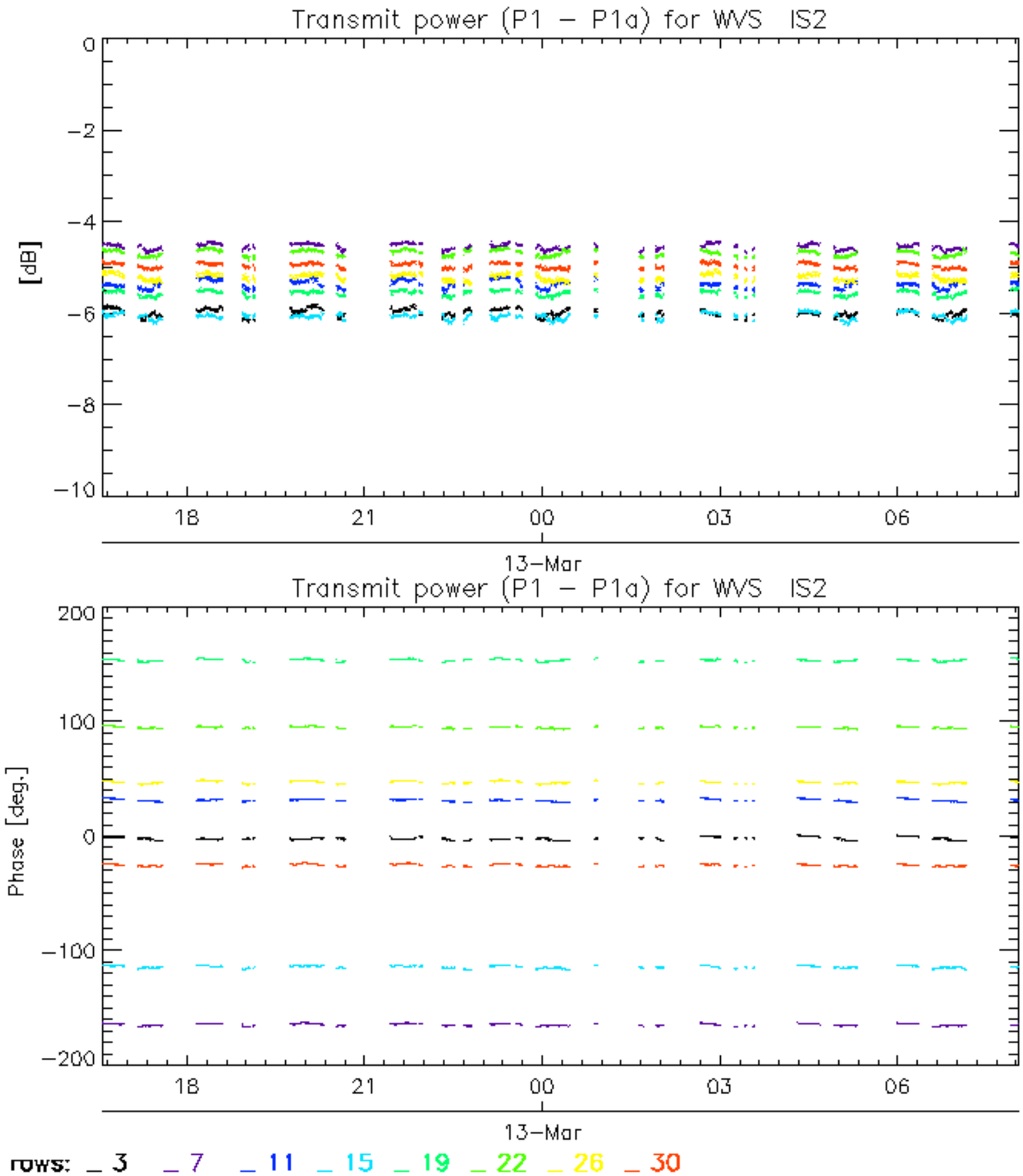

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
6
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
13–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
13–Mar
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
6
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
13–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
13–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.