PRELIMINARY REPORT OF 070316

ATTENTION: This report is automatically generated no comments are provided on data analysis

last update on Mon Mar 19 14:59:57 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 2007-03-18 00:00:00 to 2007-03-19 14:59:57

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	40	65	8	3	19
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	40	65	8	3	19
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	40	65	8	3	19
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	65	8	3	19

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	48	51	71	9	26
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	48	51	71	9	26
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	48	51	71	9	26
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	48	51	71	9	26

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	20070319 084149

H	20070319 015926

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	-15.122355	0.122786	-0.075510
7	P1a	-17.463785	0.107745	-0.164782
11	P1a	-17.270784	0.317097	0.135965
15	P1a	-12.898513	0.078973	-0.110023
19	P1a	-15.159806	0.075147	-0.052138
22	P1a	-15.320811	0.949435	0.348315
26	P1a	-14.981392	0.896548	0.371398
30	P1a	-17.337605	0.423996	0.064181

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.745110	0.010358	-0.066963
7	P1	-3.135788	0.008221	-0.020183
11	P1	-4.165963	0.014384	-0.049873
15	P1	-6.382796	0.015290	-0.020937
19	P1	-3.777578	0.008287	-0.064360
22	P1	-4.617864	0.145140	0.194073
26	P1	-3.898787	0.089767	0.176354
30	P1	-5.872421	0.153465	0.166439

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.663868	0.092263	0.026408
7	P2	-21.616842	0.081473	0.008978

11	P2	-15.538218	0.097934	0.051724
15	P2	-7.078193	0.093344	-0.071743
19	P2	-9.112058	0.083656	-0.029747
22	P2	-18.105124	0.073519	0.026040
26	P2	-16.552750	0.085163	-0.080771
30	P2	-19.347881	0.078168	0.037376

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.240812	0.006407	-0.017649
7	P3	-8.240812	0.006407	-0.017649
11	P3	-8.240812	0.006407	-0.017649
15	P3	-8.240812	0.006407	-0.017649
19	P3	-8.240812	0.006407	-0.017649
22	P3	-8.240812	0.006407	-0.017649
26	P3	-8.240812	0.006407	-0.017649
30	P3	-8.240812	0.006407	-0.017649

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	-11.081746	0.057452	-0.077142
7	P1a	-10.070945	0.178634	-0.026015
11	P1a	-10.680867	0.074518	-0.115078
15	P1a	-10.956131	0.143007	0.073575
19	P1a	-15.693379	0.072622	-0.157846
22	P1a	-20.846312	1.666061	0.867588
26	P1a	-15.234159	0.304055	0.183127
30	P1a	-18.362616	0.708542	0.545643

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.406272	0.053299	-0.078919
7	P1	-2.425772	0.034476	-0.019235
11	P1	-2.923712	0.023104	0.001347
15	P1	-3.847212	0.045820	-0.027165
19	P1	-3.556540	0.011227	-0.041482
22	P1	-5.030824	0.038893	0.176968
26	P1	-5.941303	0.057053	0.120159
30	P1	-5.269711	0.026508	0.018102

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.100334	0.035237	-0.028976
7	P2	-21.950247	0.058834	-0.007254
11	P2	-10.637703	0.032107	0.033902
15	P2	-4.824274	0.029511	0.015133
19	P2	-6.809271	0.031859	0.010761
22	P2	-8.075724	0.036301	0.023127
26	P2	-24.291485	0.040316	0.068256
30	P2	-21.725571	0.041706	0.072318

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.058820	0.003861	0.014888
7	P3	-8.058734	0.003847	0.014932
11	P3	-8.058731	0.003846	0.015481
15	P3	-8.058847	0.003855	0.016307
19	P3	-8.058837	0.003859	0.016811
22	P3	-8.058765	0.003849	0.015251
26	P3	-8.058547	0.003833	0.016670
30	P3	-8.058688	0.003850	0.015009

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	0.000694559
	stdev	3.11476e-07
MEAN Q	mean	0.000239468
	stdev	2.80169e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0794627
	stdev	0.00186154
STDEV Q	mean	0.0791384
	stdev	0.00191017

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007031[456]
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_1PNPDE20070316_210538_000000342056_00258_26364_4589.N1	1	0
ASA_IMM_1PNPDK20070315_133248_000000812056_00239_26345_1572.N1	0	2
ASA_IMM_1PNPDK20070316_092324_000000372056_00251_26357_2261.N1	0	1
ASA_GM1_1PNPDK20070314_201257_000009242056_00228_26334_0828.N1	0	22
ASA_GM1_1PNPDK20070316_142640_000002772056_00254_26360_3264.N1	0	7
ASA_WSM_1PNPDE20070314_141836_000000852056_00225_26331_1665.N1	0	37
ASA_WSM_1PNPDE20070314_153245_000000612056_00226_26332_1616.N1	3	801
ASA_WSM_1PNPDE20070316_141502_000000852056_00254_26360_4383.N1	0	15
ASA_WSM_1PNPDK20070315_094718_000000862056_00237_26343_1332.N1	0	29
ASA_WSM_1PNPDK20070316_070403_000002452056_00249_26355_2248.N1	0	3
ASA_APM_1PNPDE20070315_070600_000002082056_00235_26341_2835.N1	12	0
ASA_APM_1PNPDK20070316_093722_000000432056_00251_26357_2257.N1	0	1

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

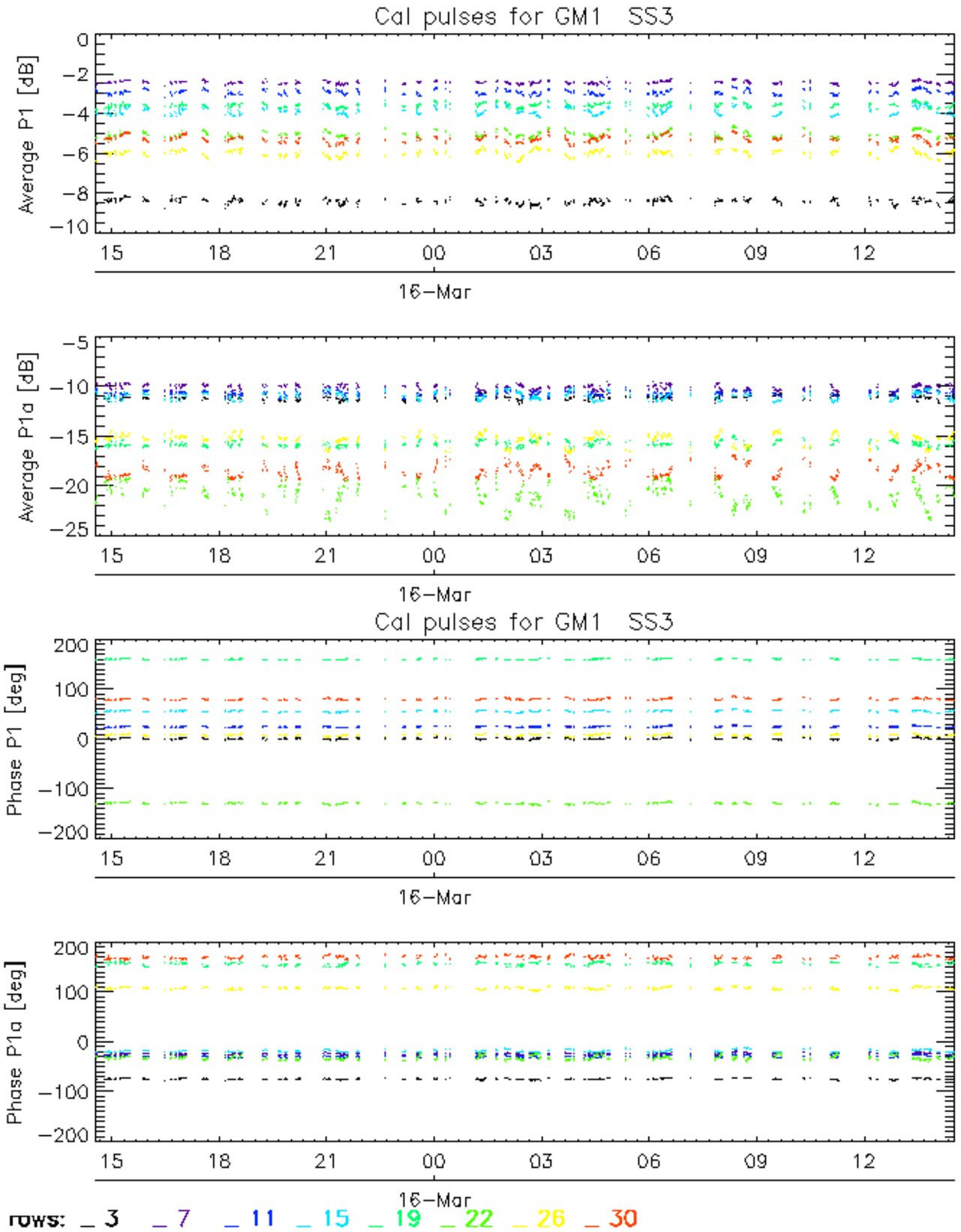
Evolution of Absolute Doppler

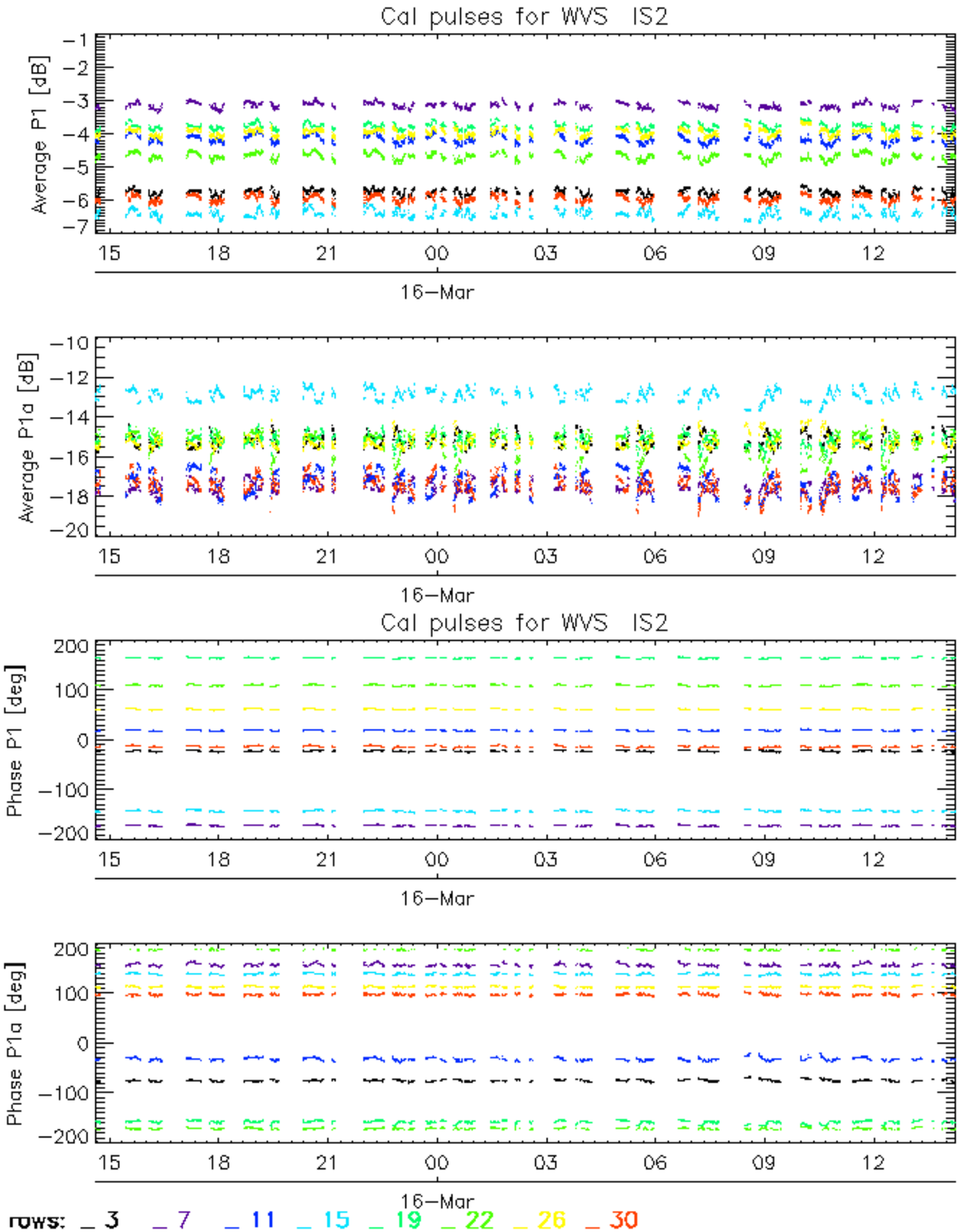
Acsending

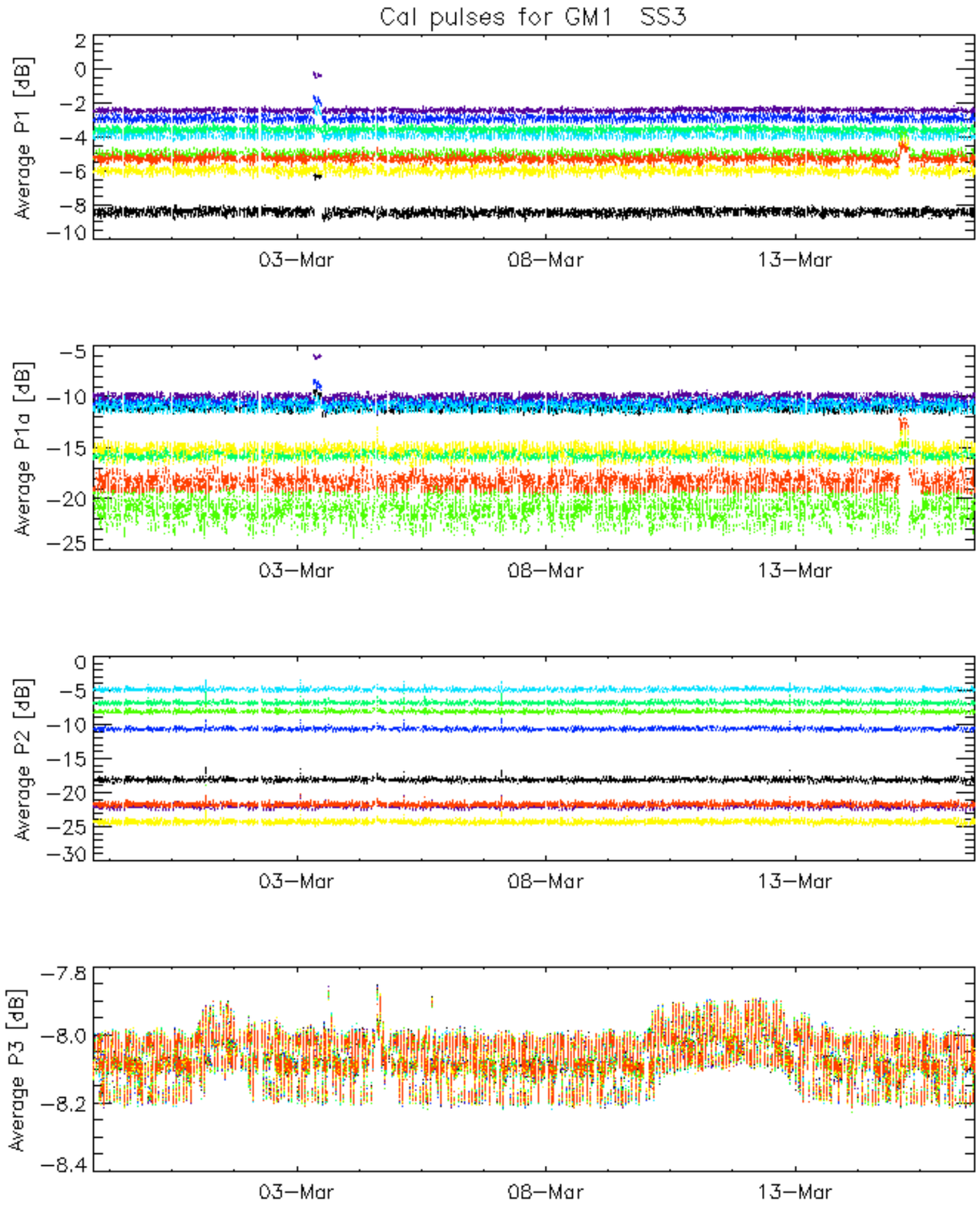
Descending

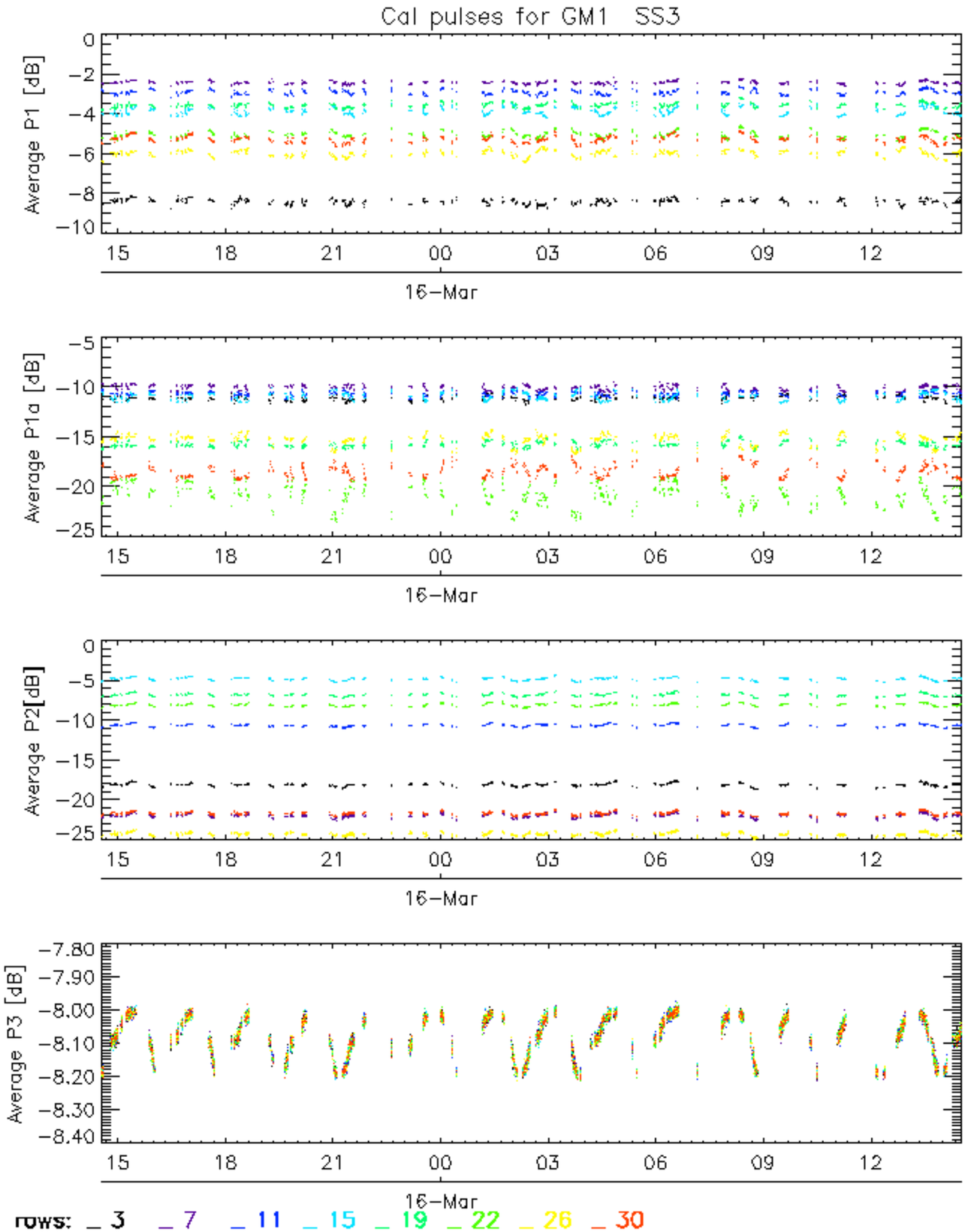
7.6 - Doppler evolution versus ANX for GM1

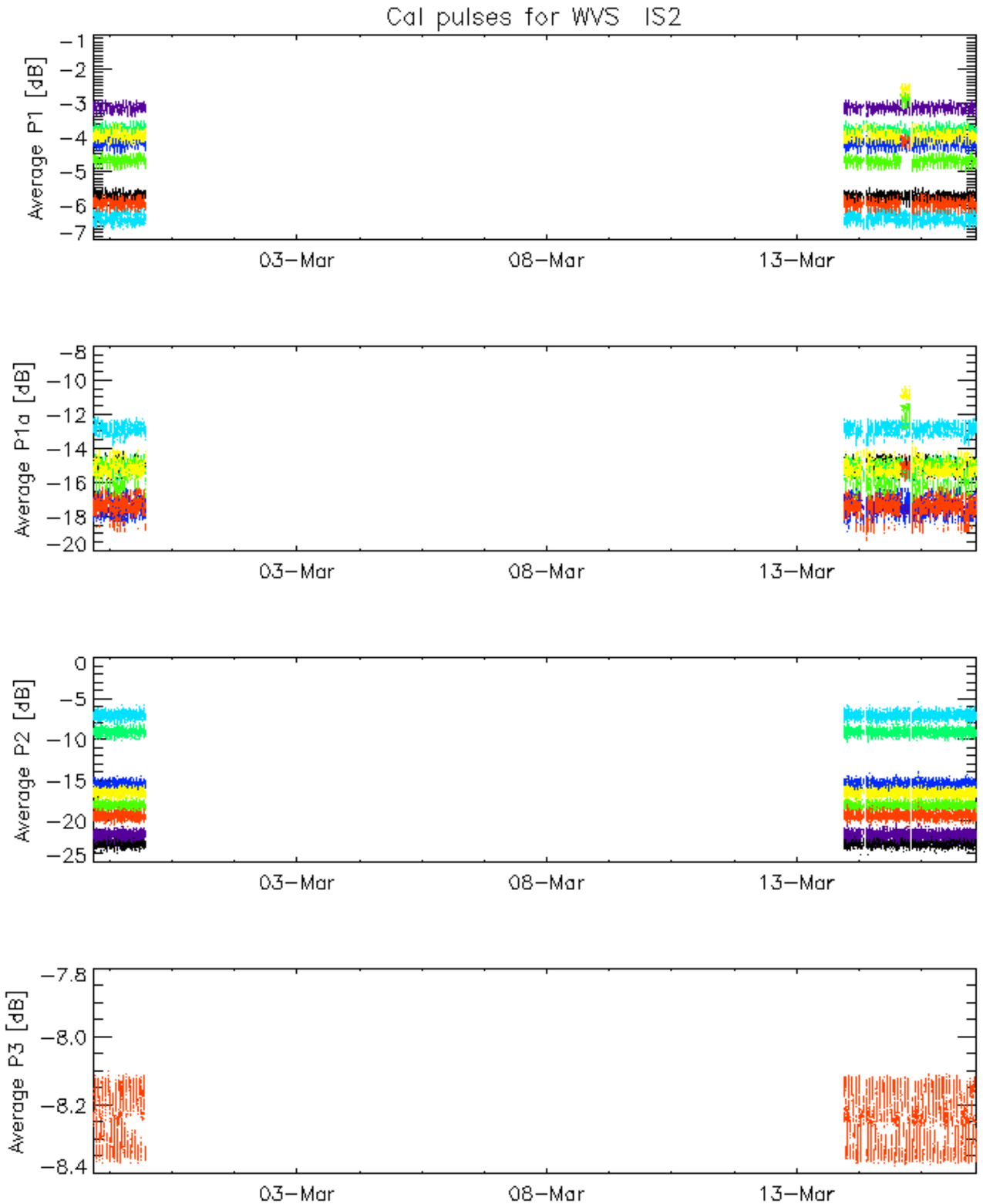
Evolution Doppler error versus ANX

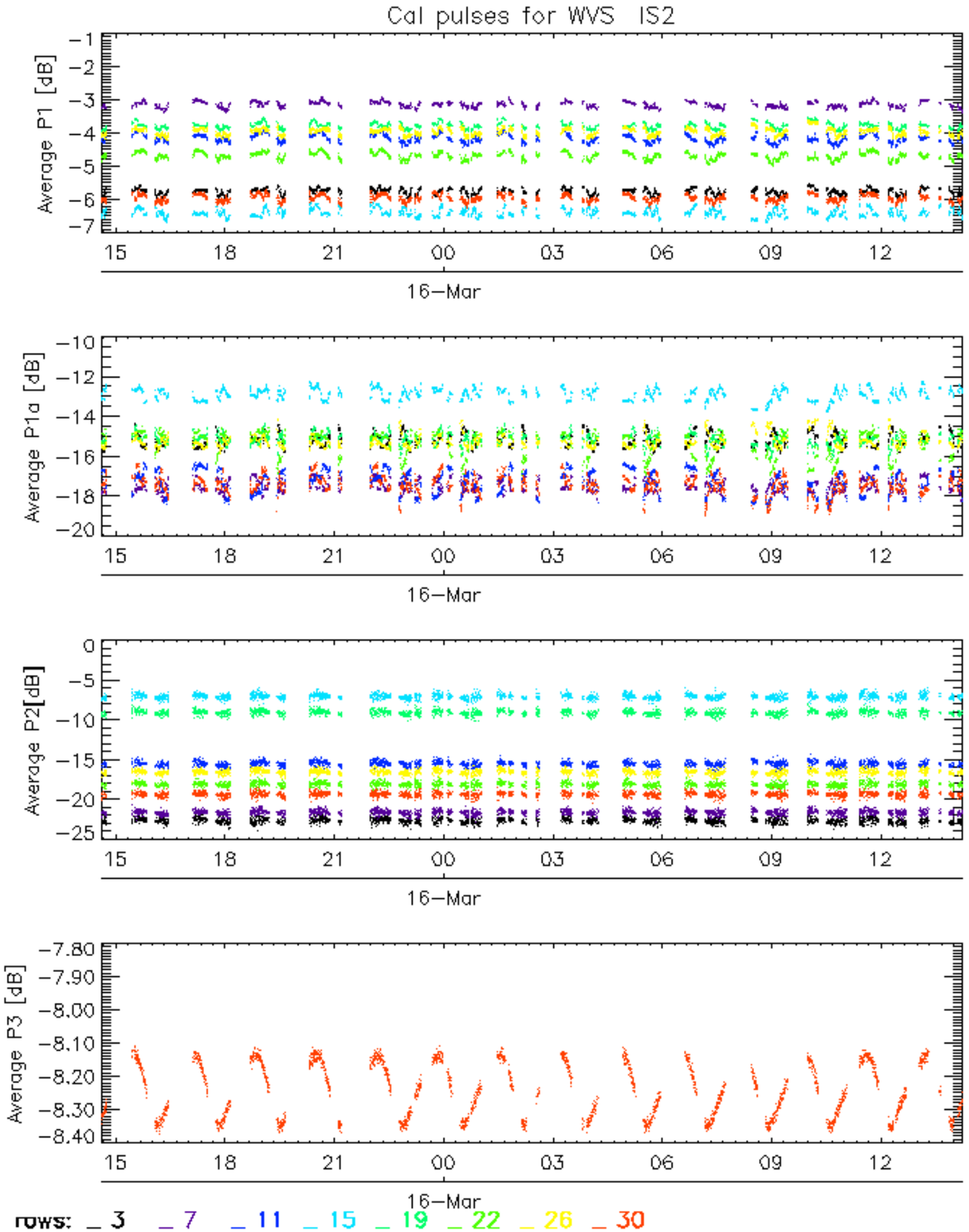

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
15
18
21
00
03
06
09
12
16−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
12
16−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
12
16−Mar
Phase P1a [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
12
16−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
15
18
21
00
03
06
09
12
16−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
15
18
21
00
03
06
09
12
16−Mar
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
12
16−Mar
Phase P1a [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
12
16−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

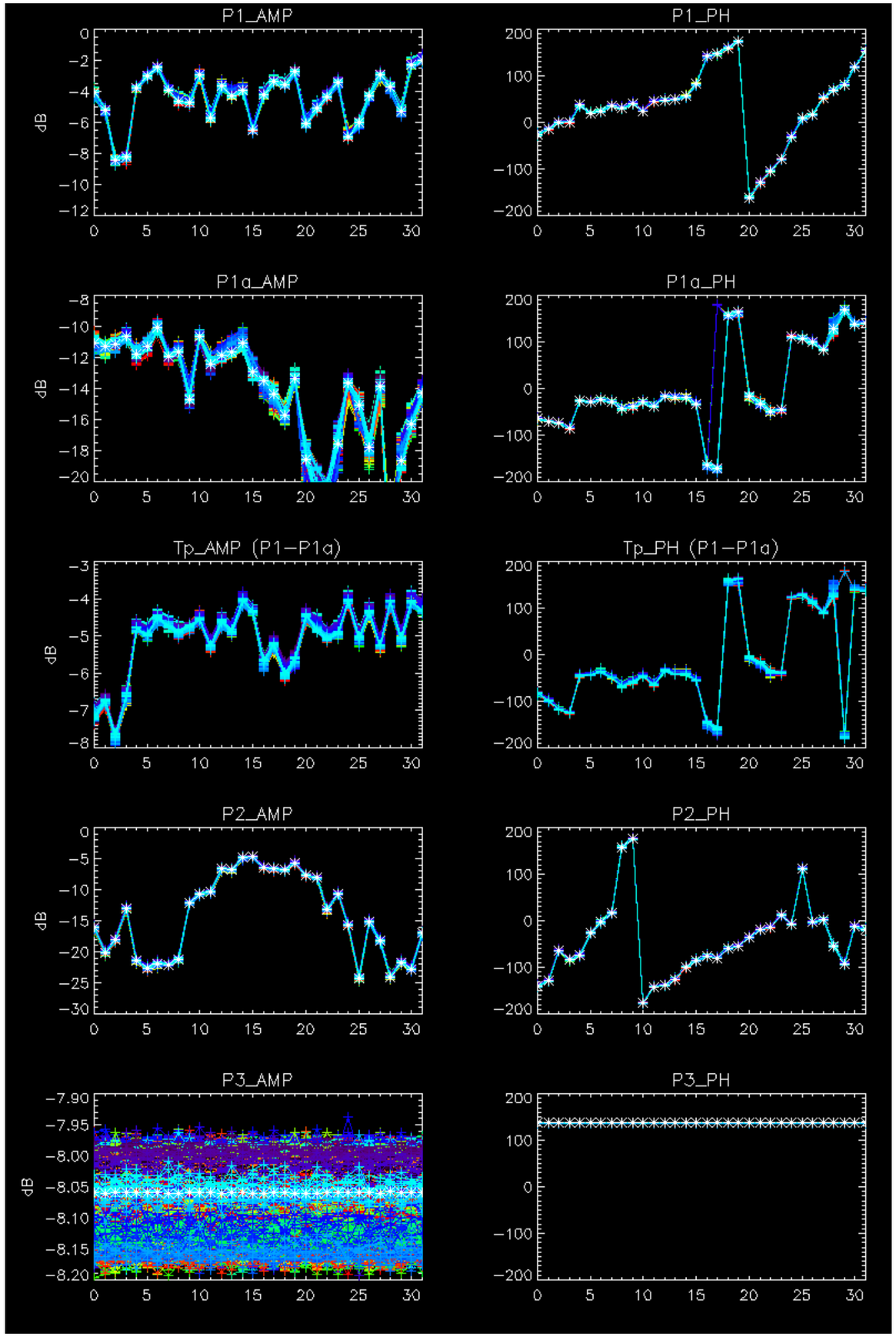

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
03−Mar
08−Mar
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
03−Mar
08−Mar
13−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

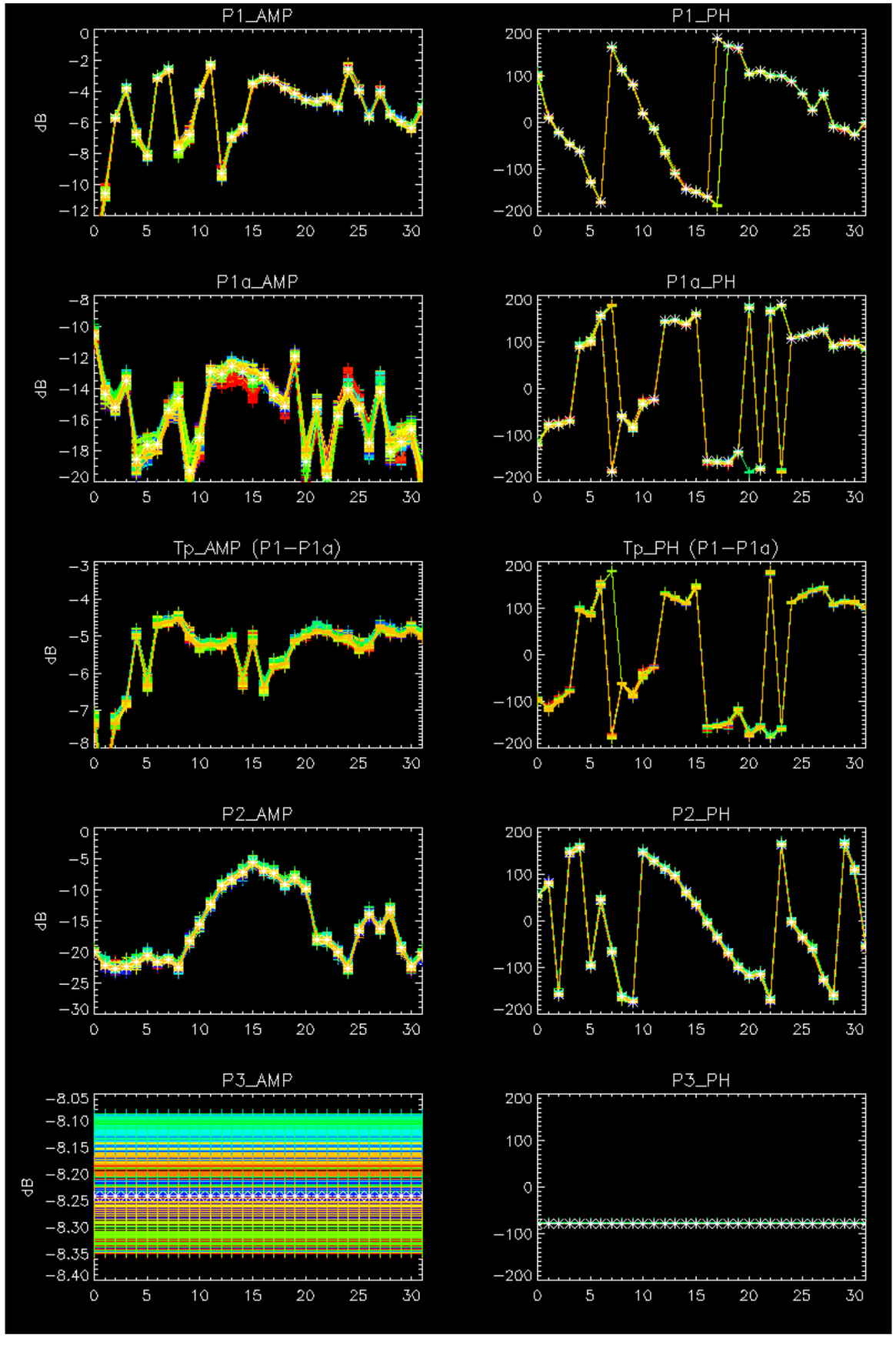

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
15
18
21
00
03
06
09
12
16−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
12
16−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
12
16−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
15
18
21
00
03
06
09
12
16−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
03−Mar
08−Mar
13−Mar
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
03−Mar
08−Mar
13−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
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
15
18
21
00
03
06
09
12
16−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
15
18
21
00
03
06
09
12
16−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
12
16−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
15
18
21
00
03
06
09
12
16−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

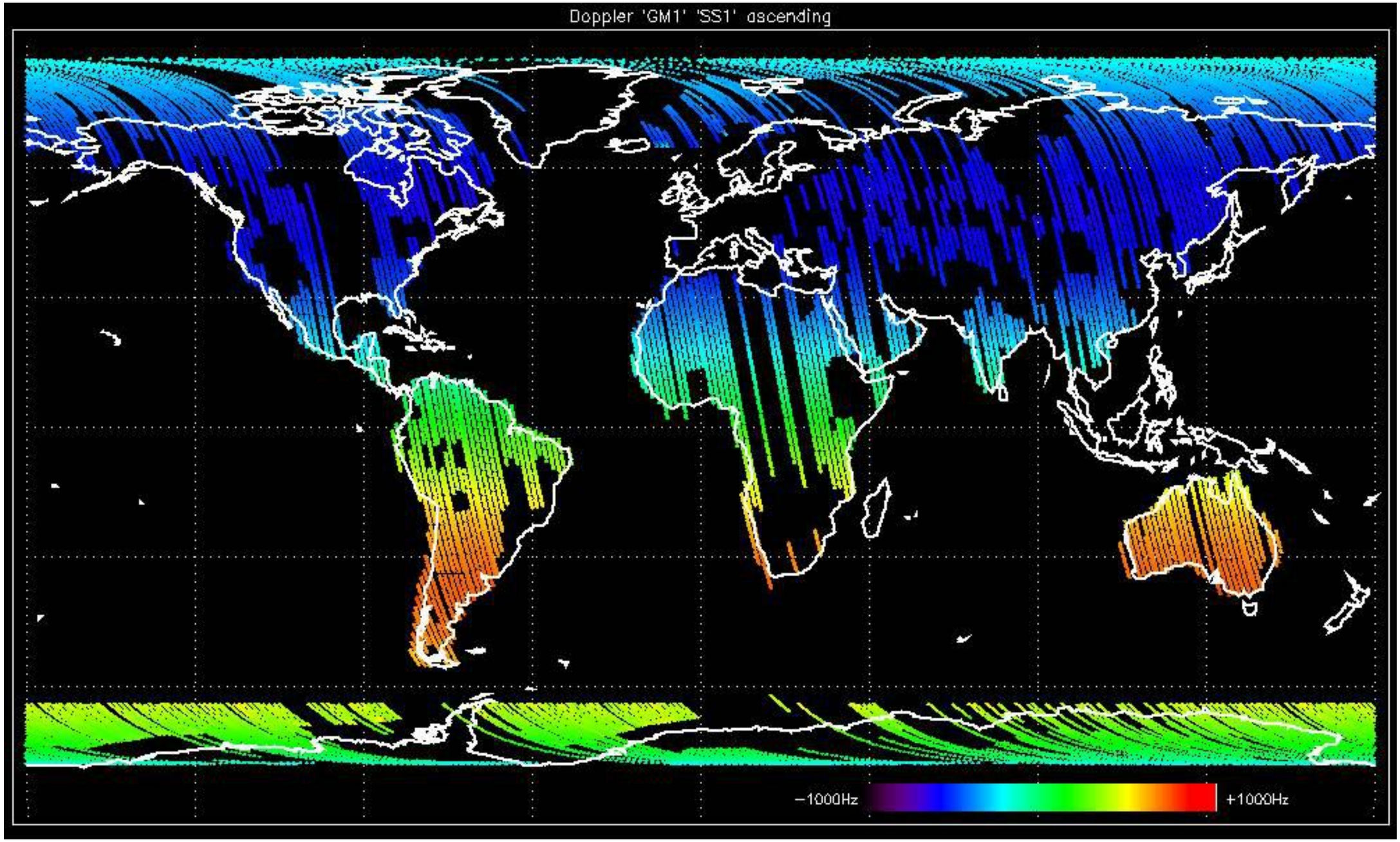
No anomalies observed.

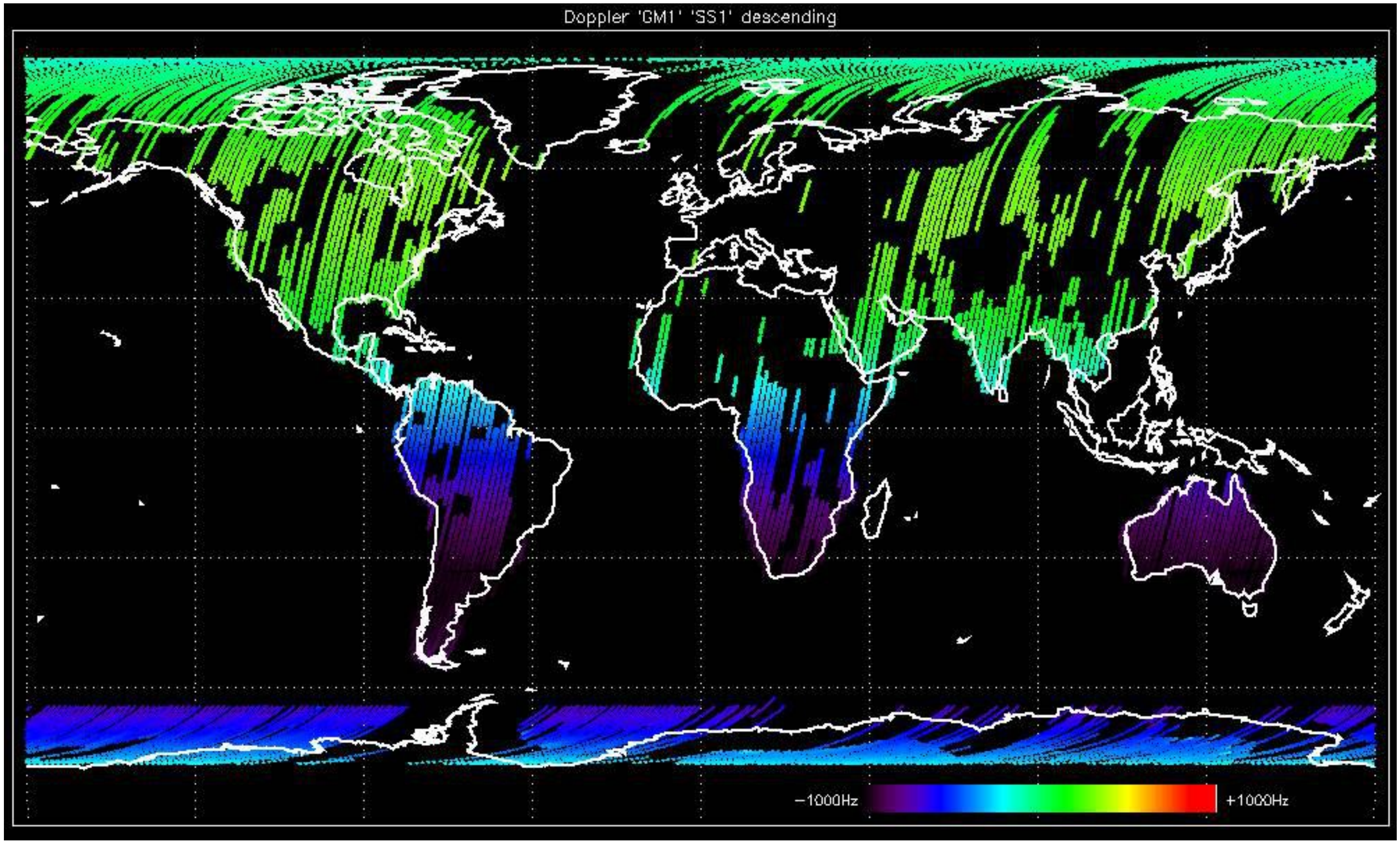

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

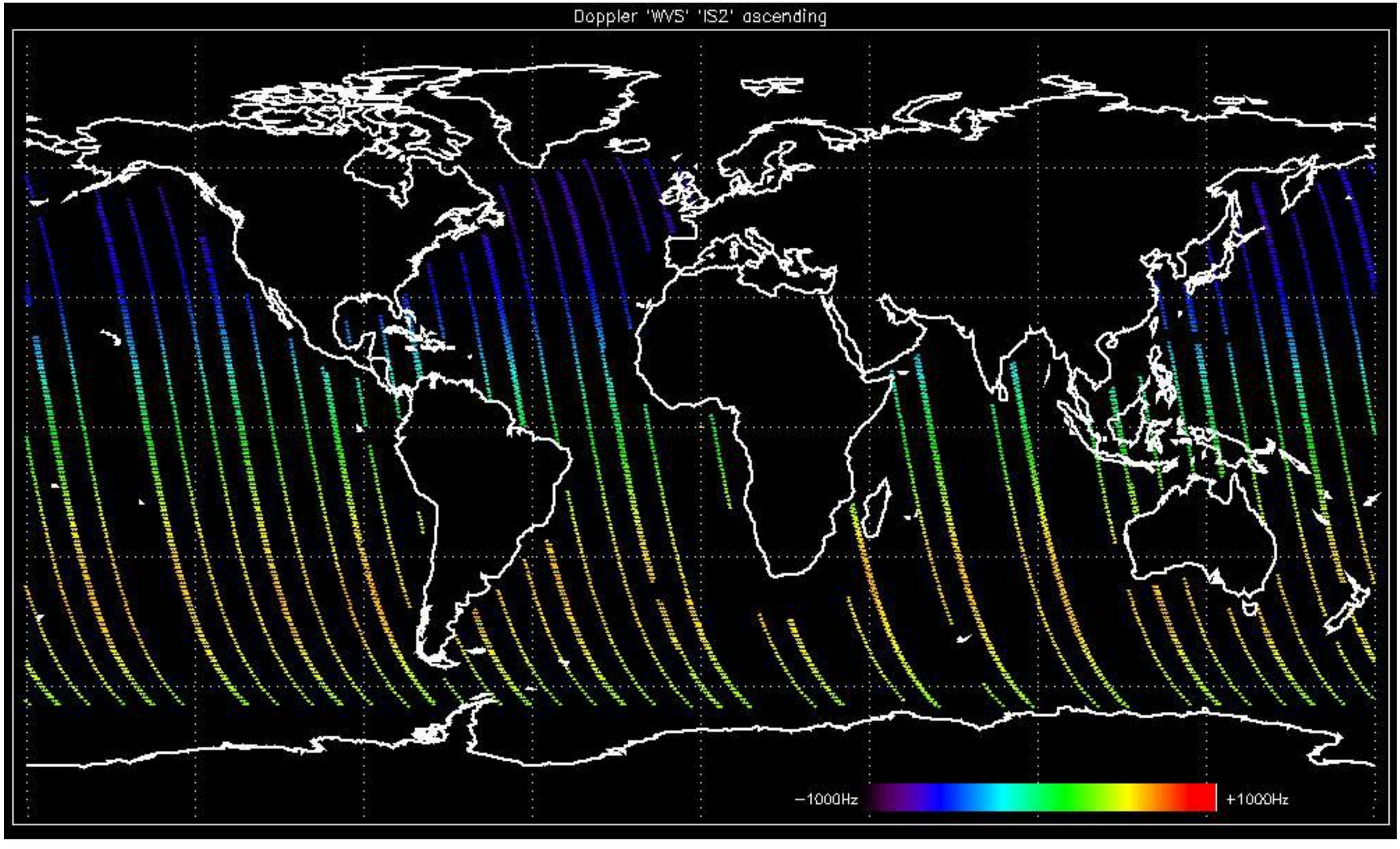

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

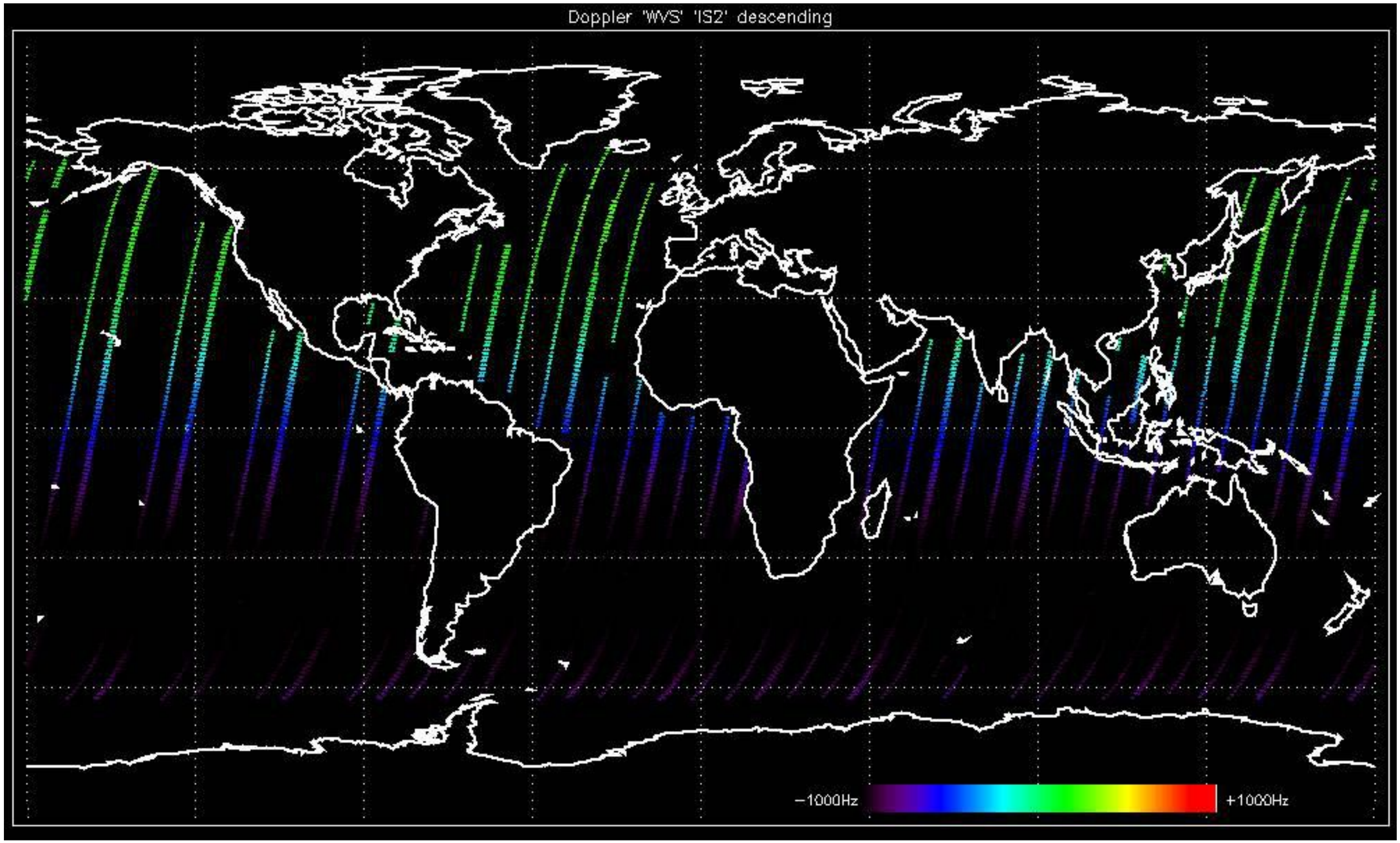
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

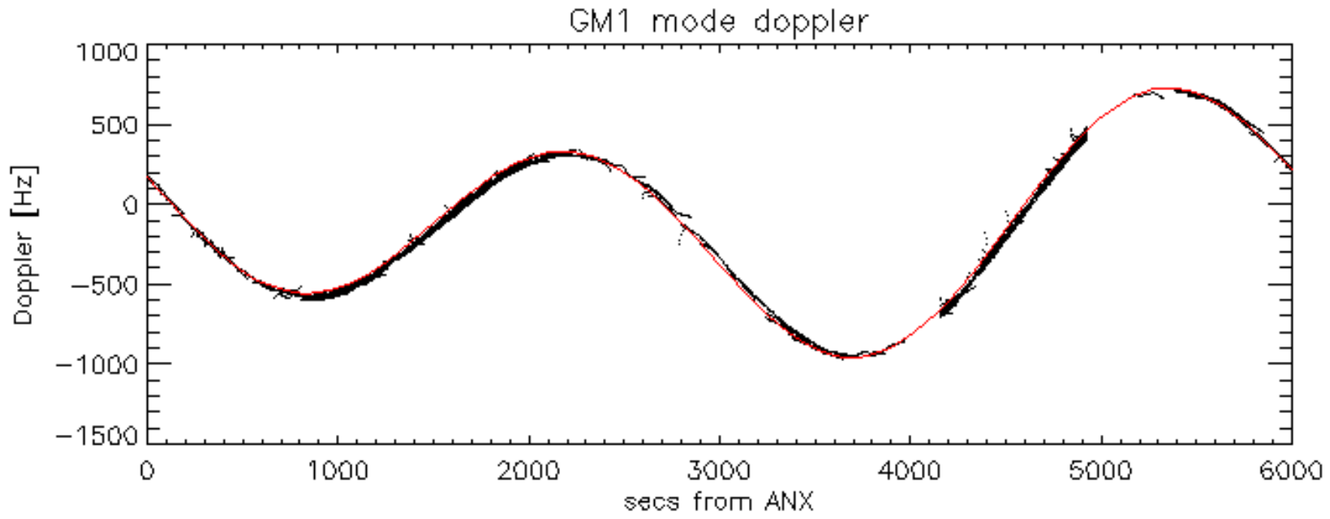
Preliminary report.The data is not yet controled

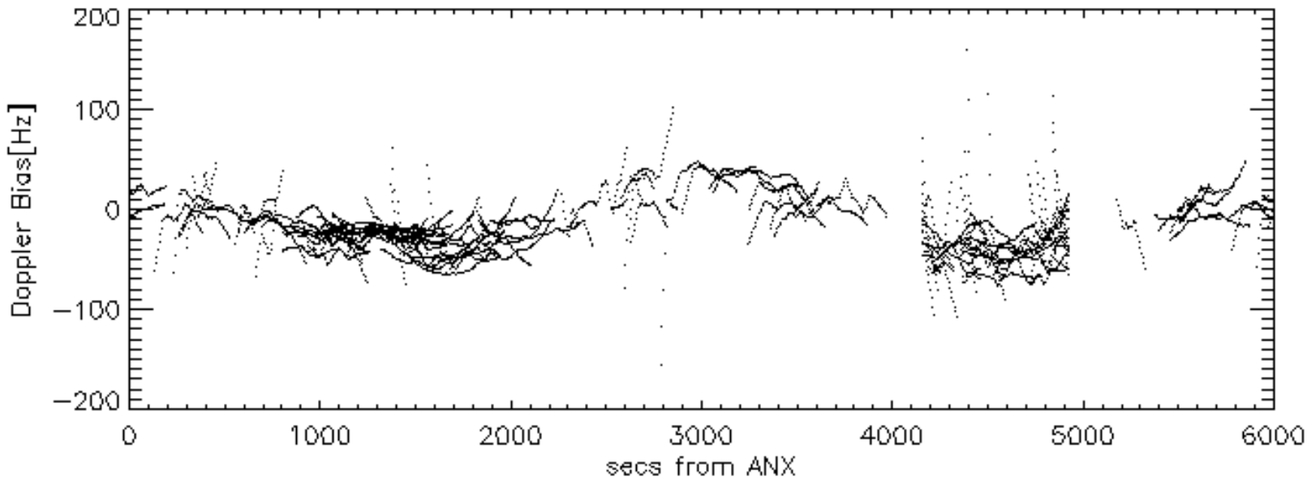

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

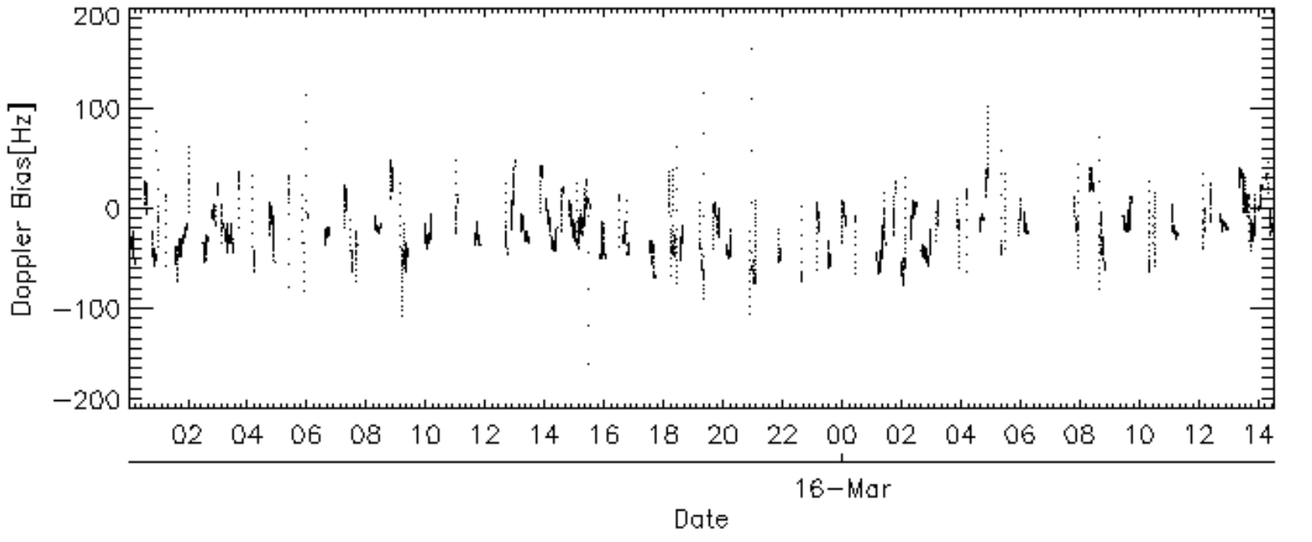

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

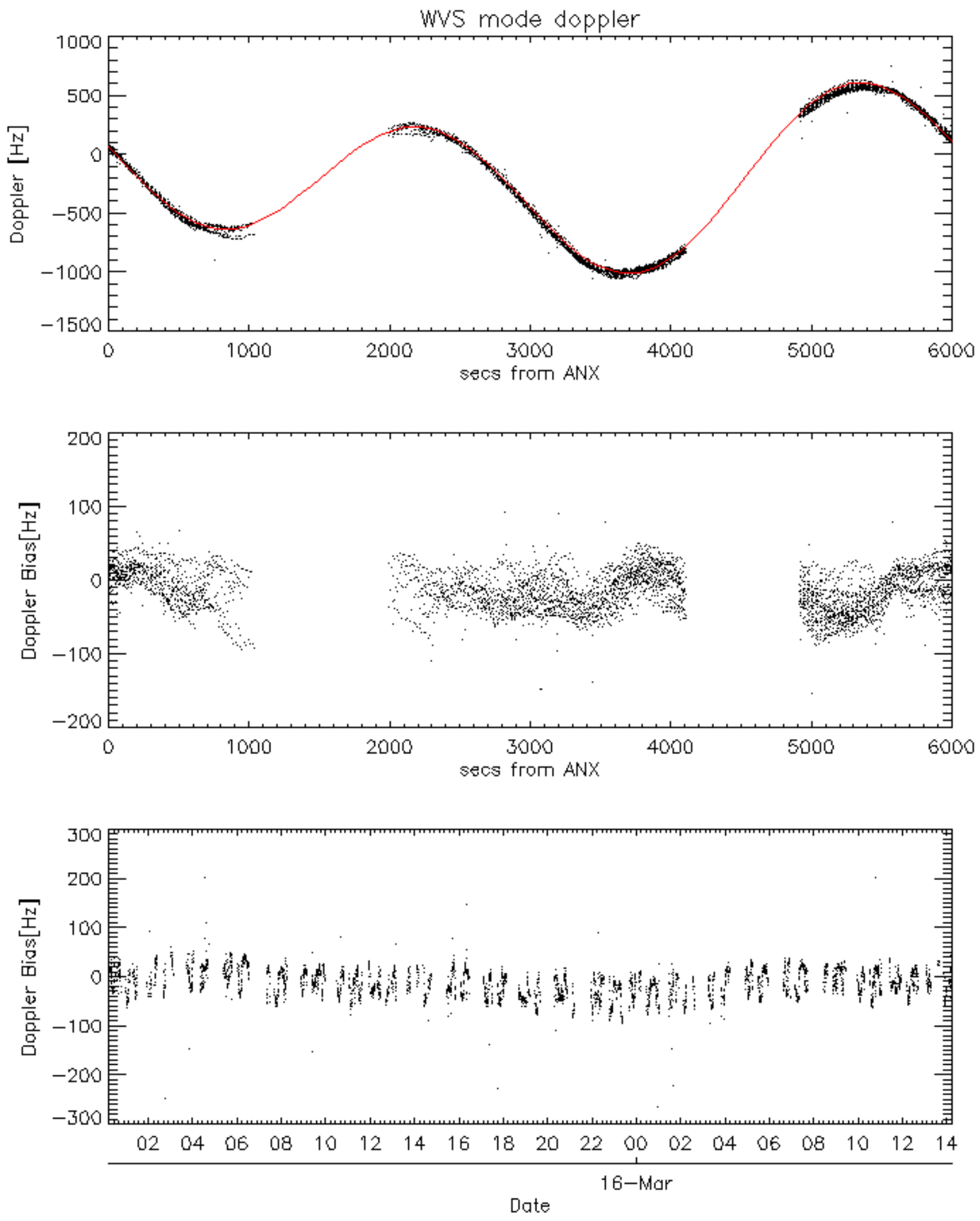

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

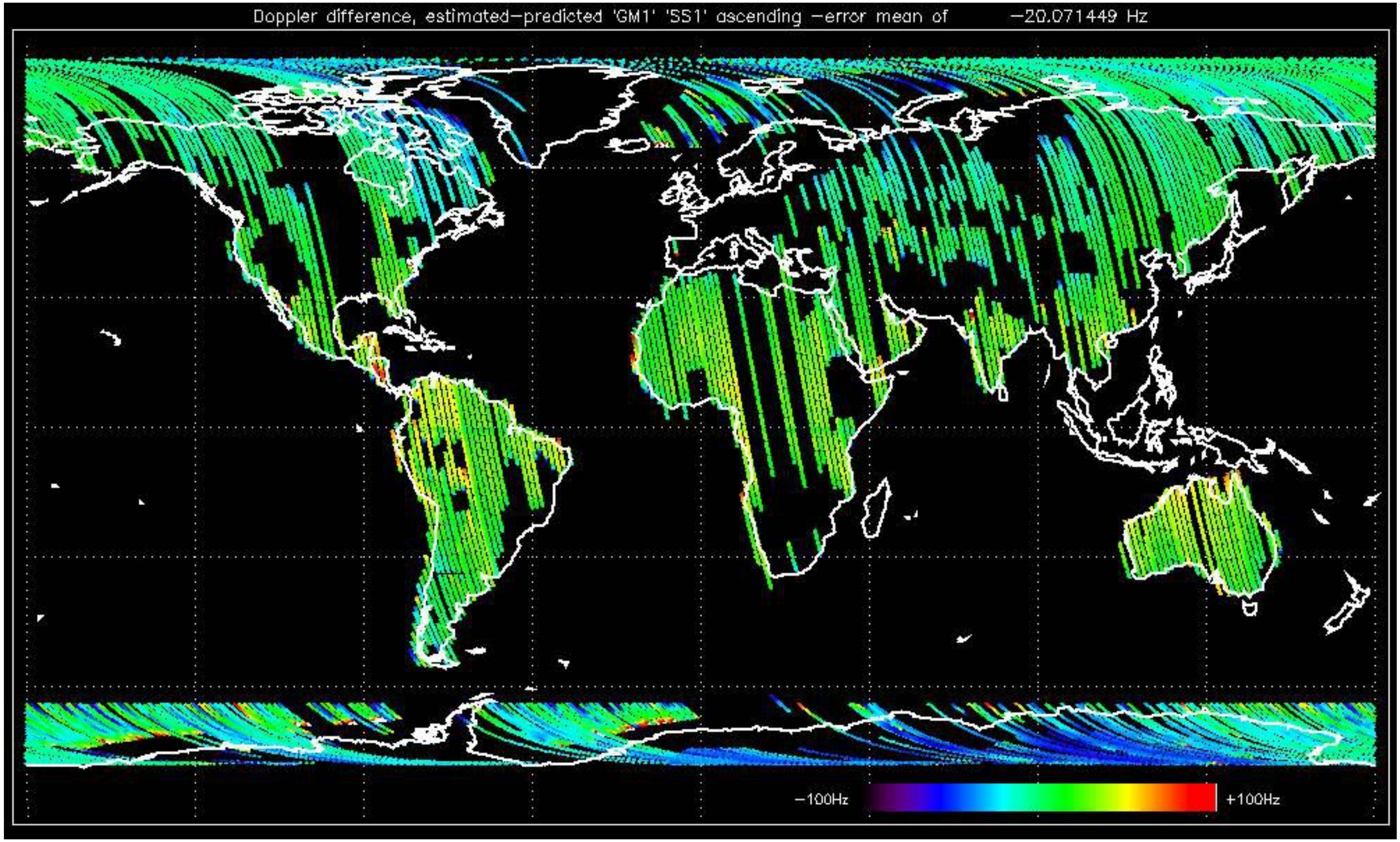

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

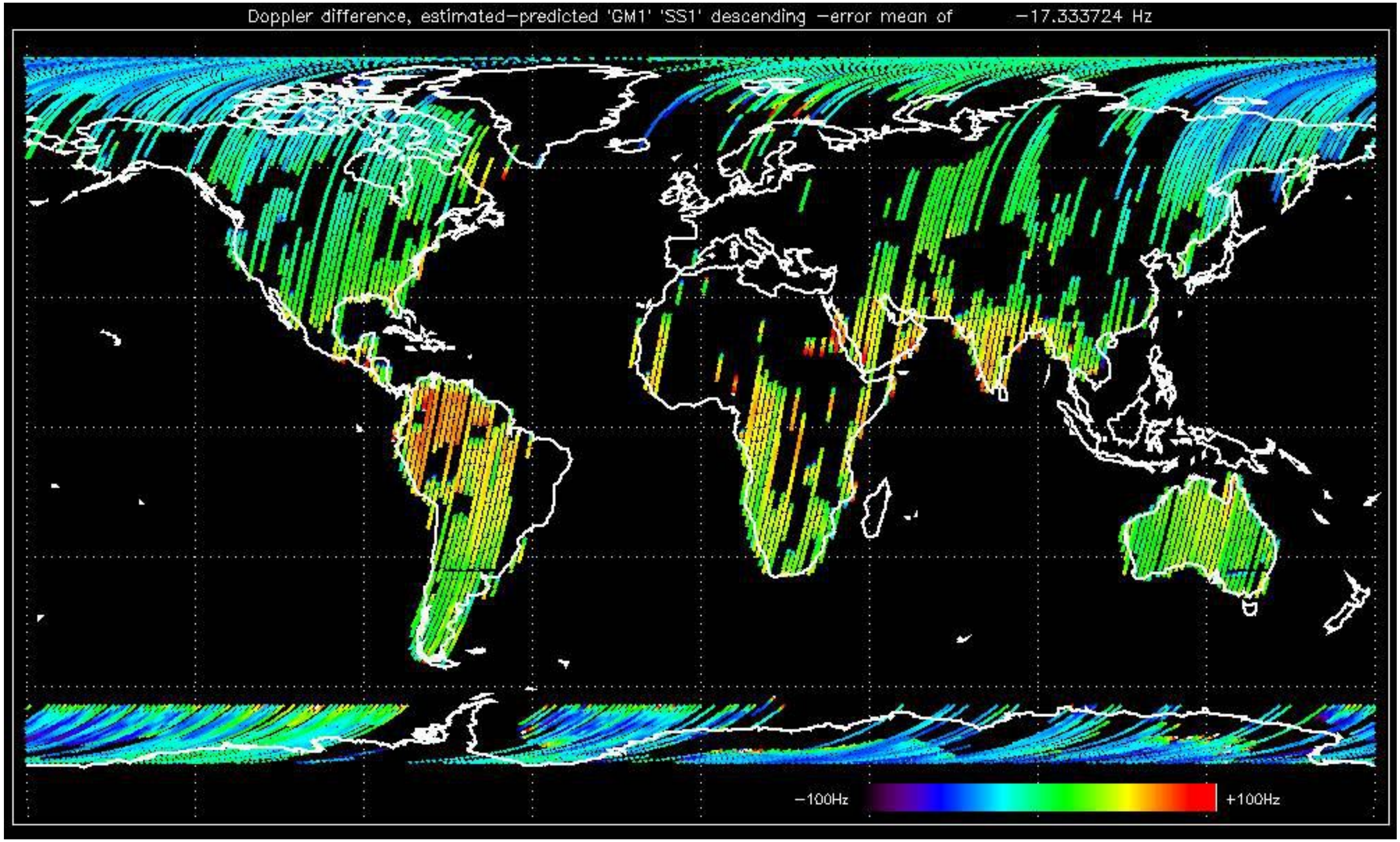

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

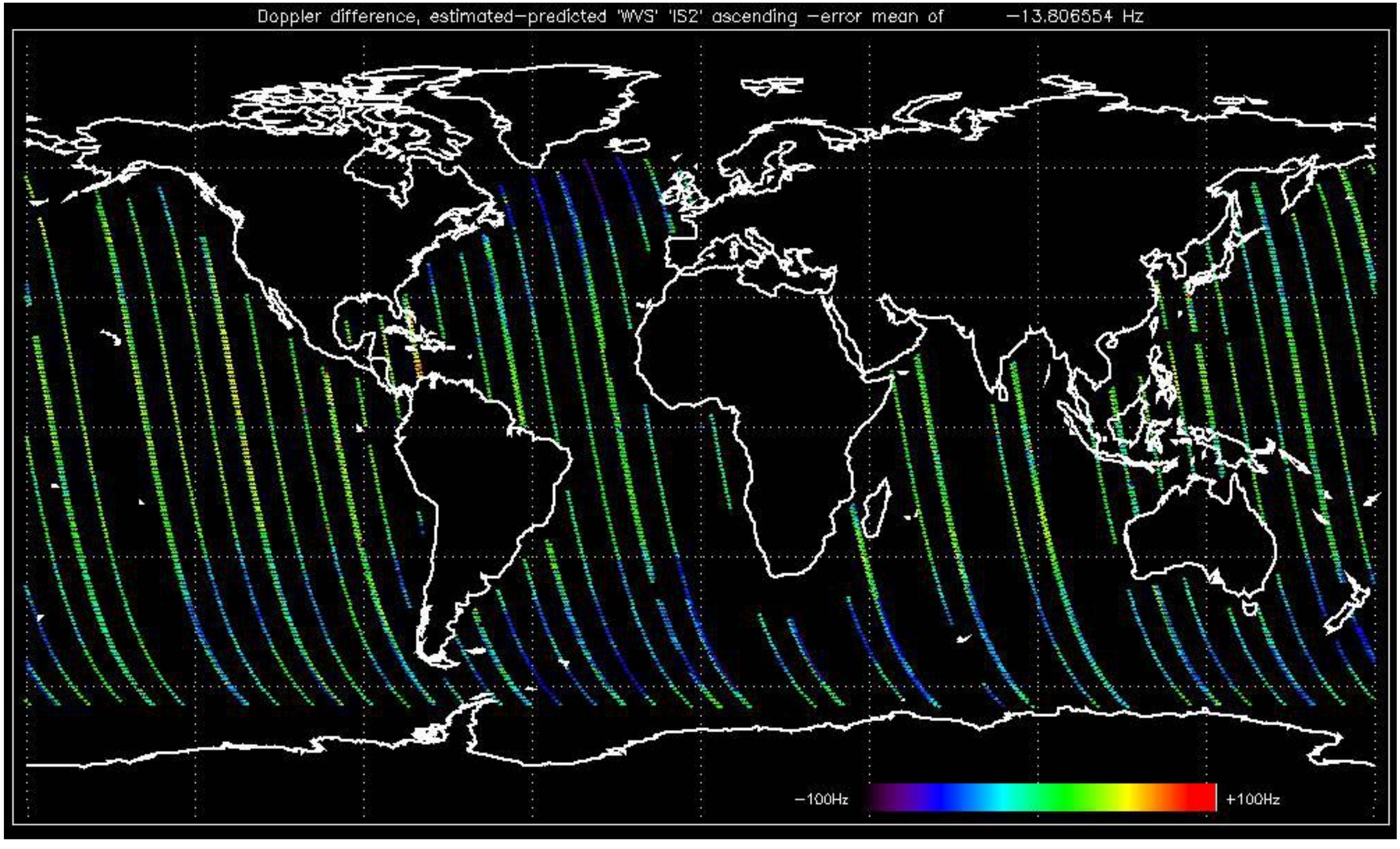

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

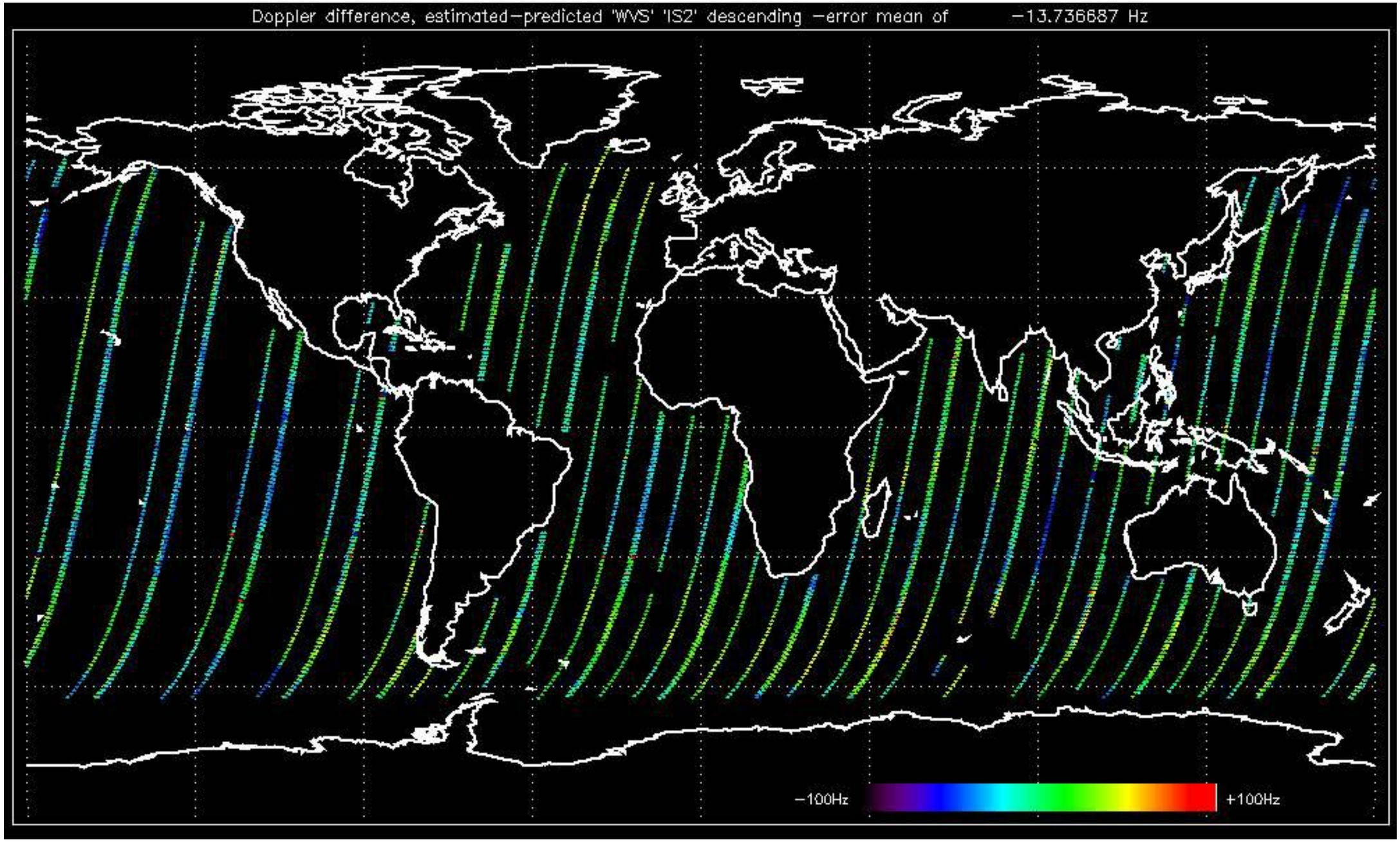

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
16−Mar
Date


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
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
16−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.071449 Hz
−100Hz
+100Hz

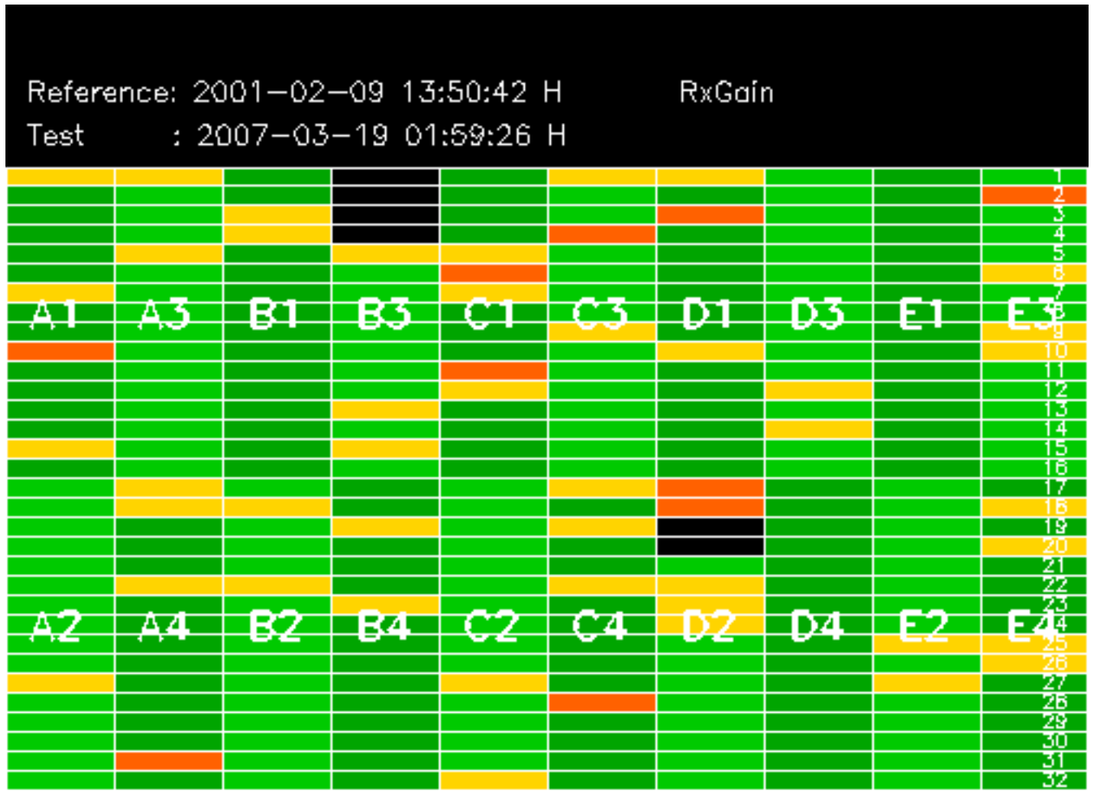

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.333724 Hz
-100Hz
+100Hz

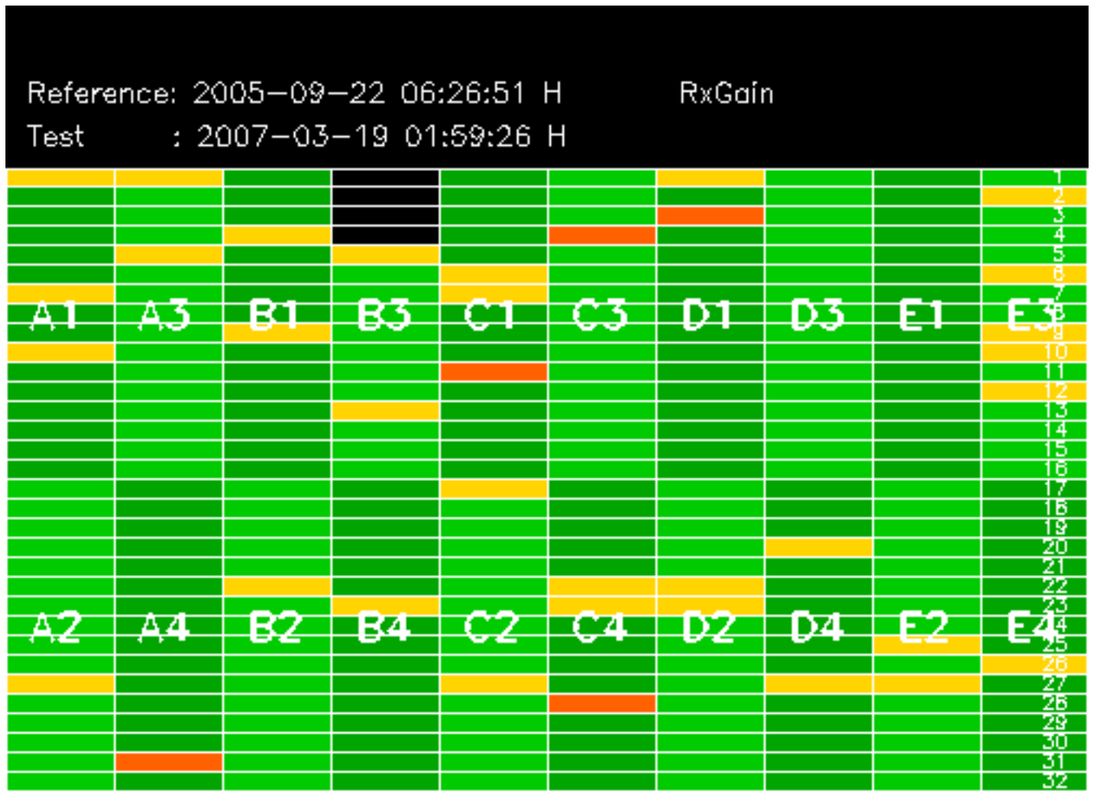

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −13.806554 Hz
−100Hz
+100Hz

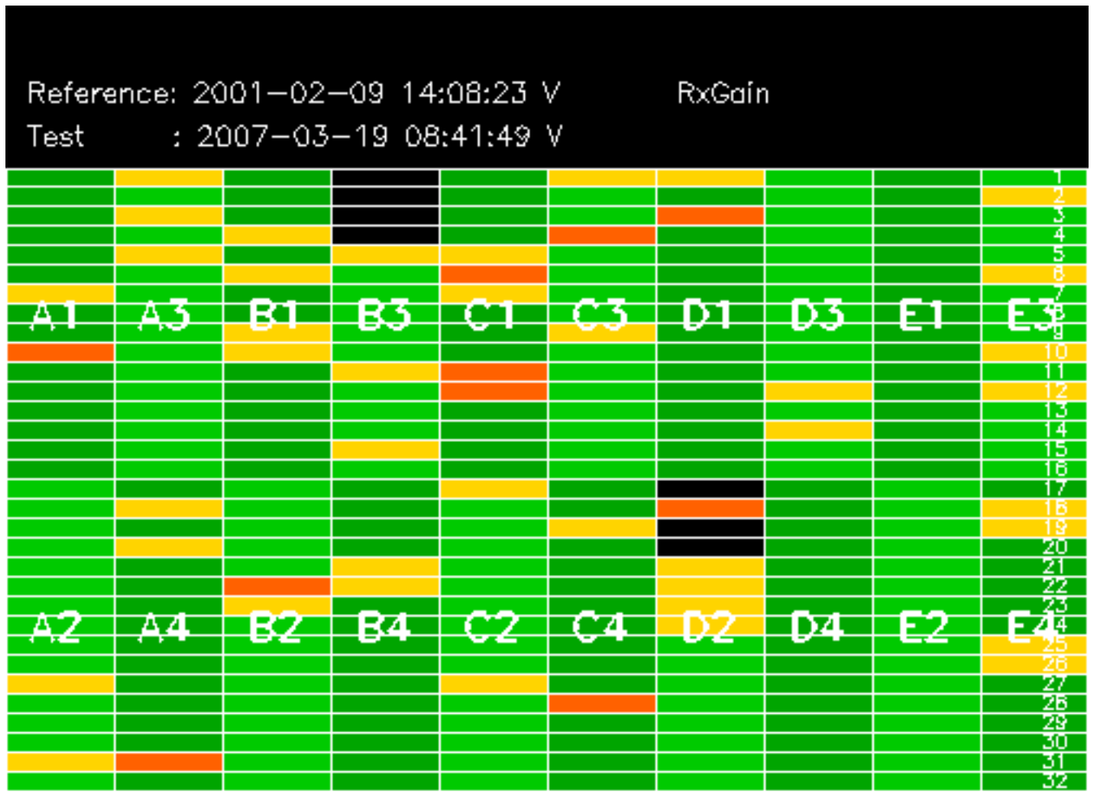

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.736687 Hz
−100Hz
+100Hz

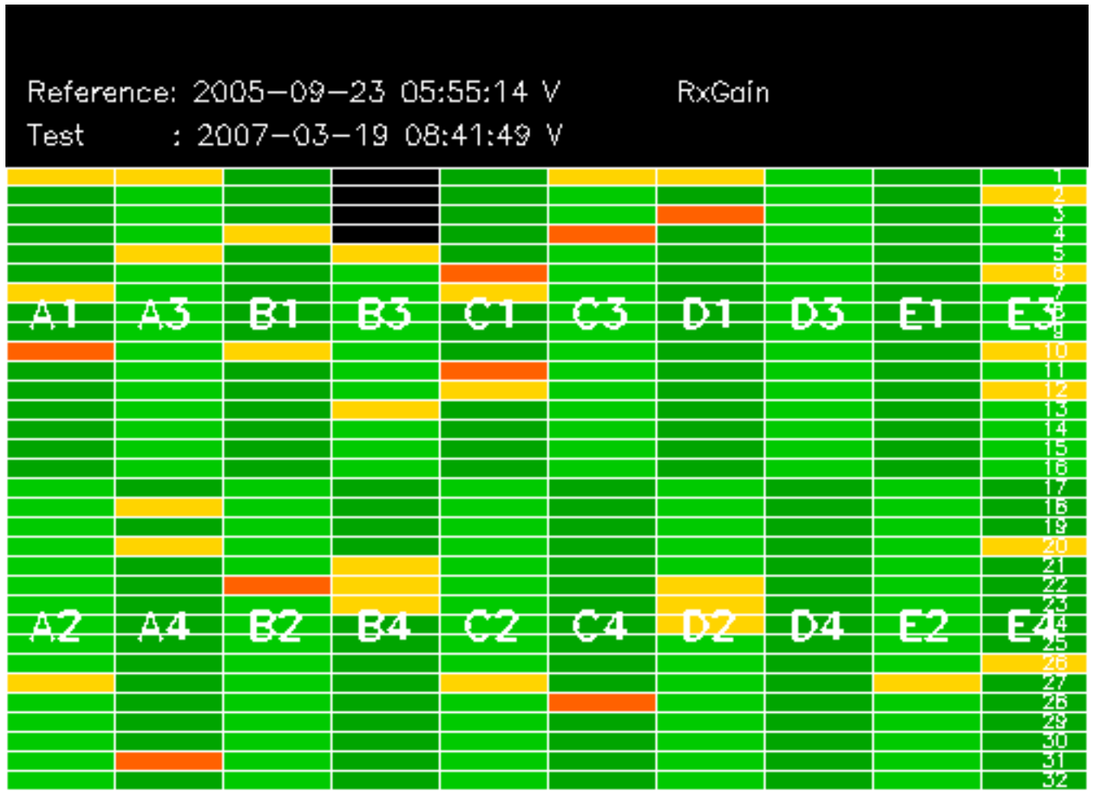
No anomalies observed on available MS products:

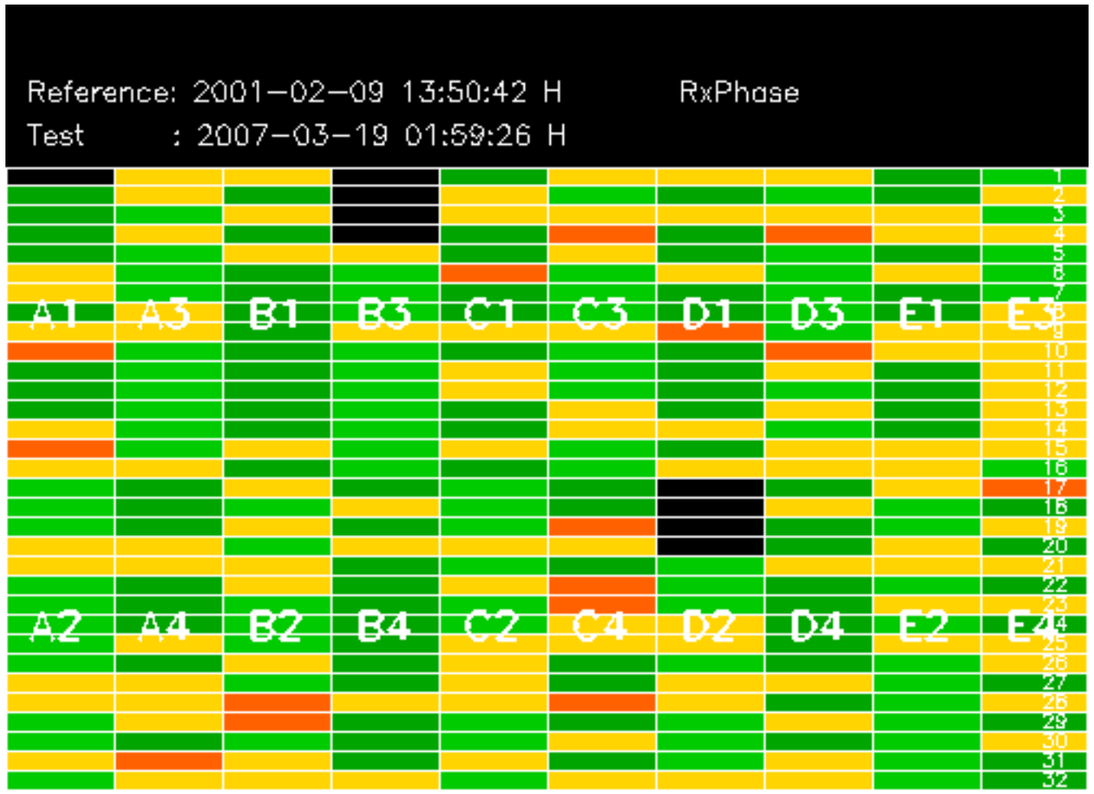
No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-03-19 01:59:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 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 : 2007-03-19 08:41:49 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 : 2007-03-19 08:41:49 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
RxPhase
Test : 2007-03-19 01:59:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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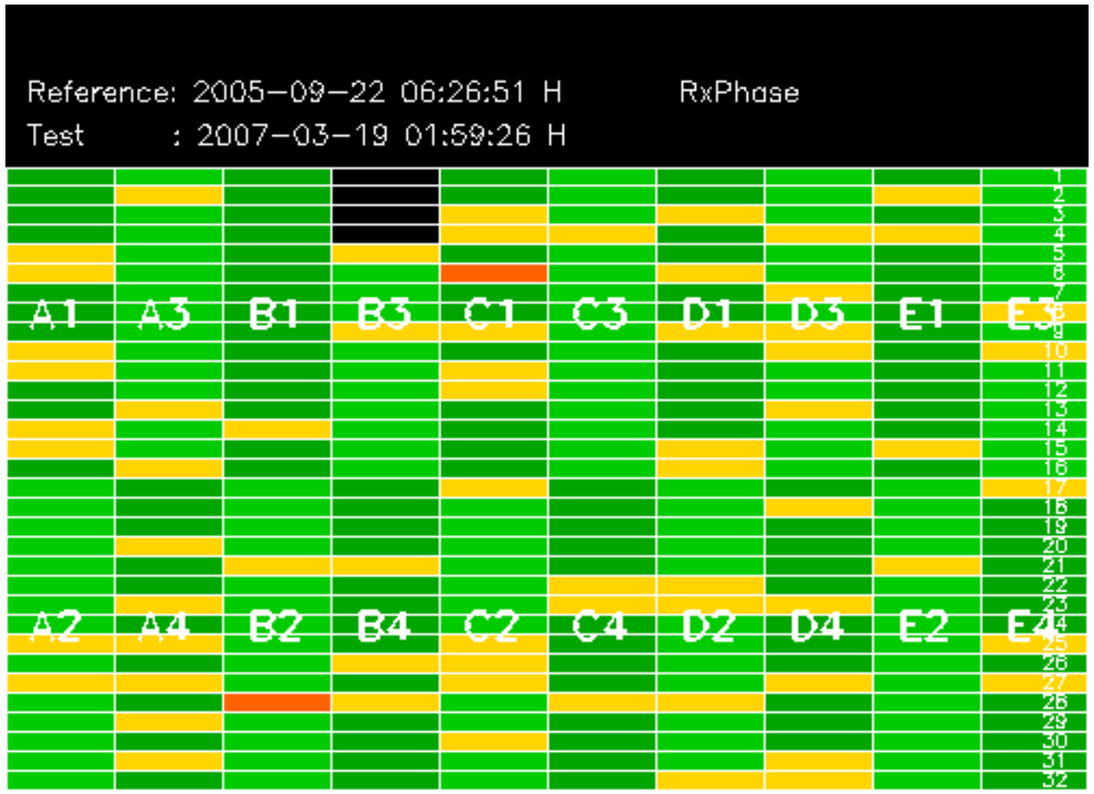
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
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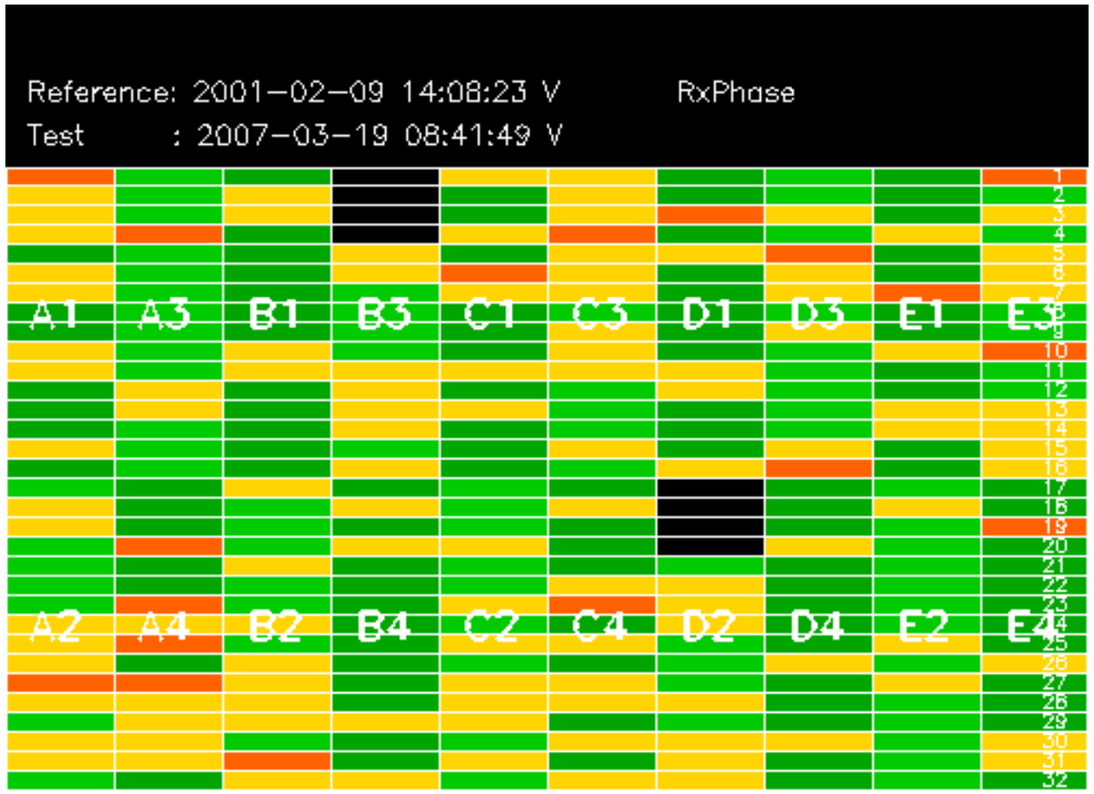
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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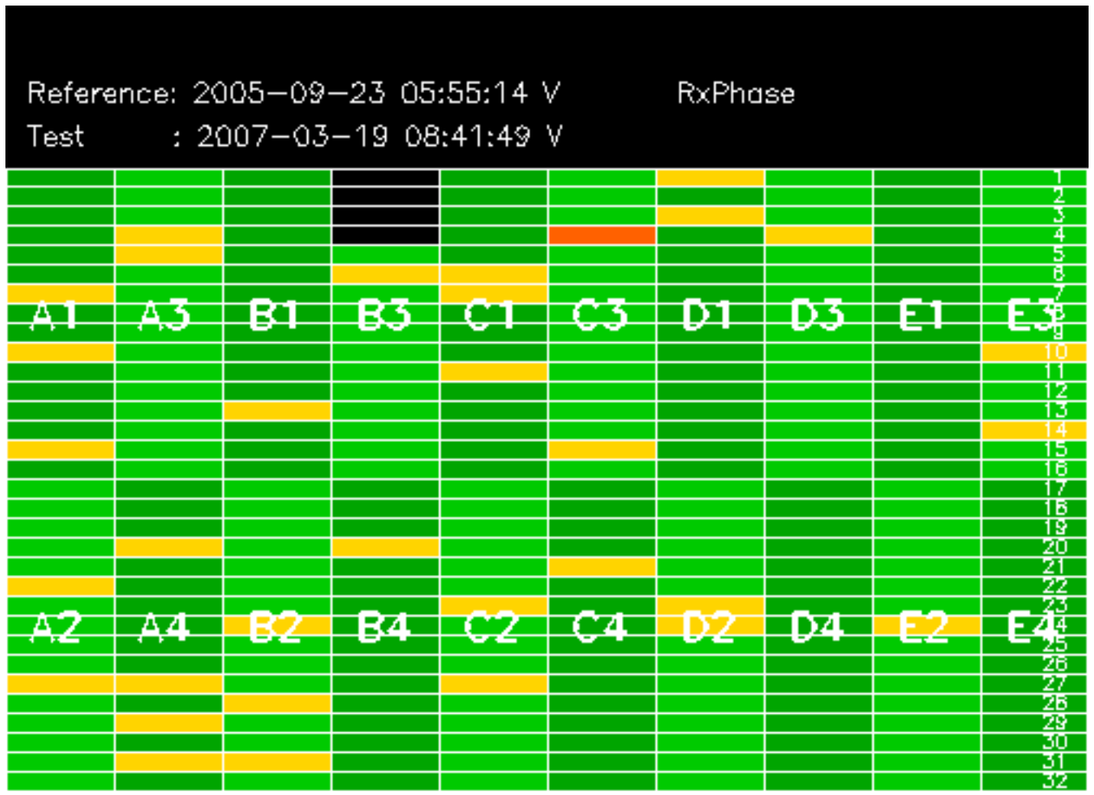
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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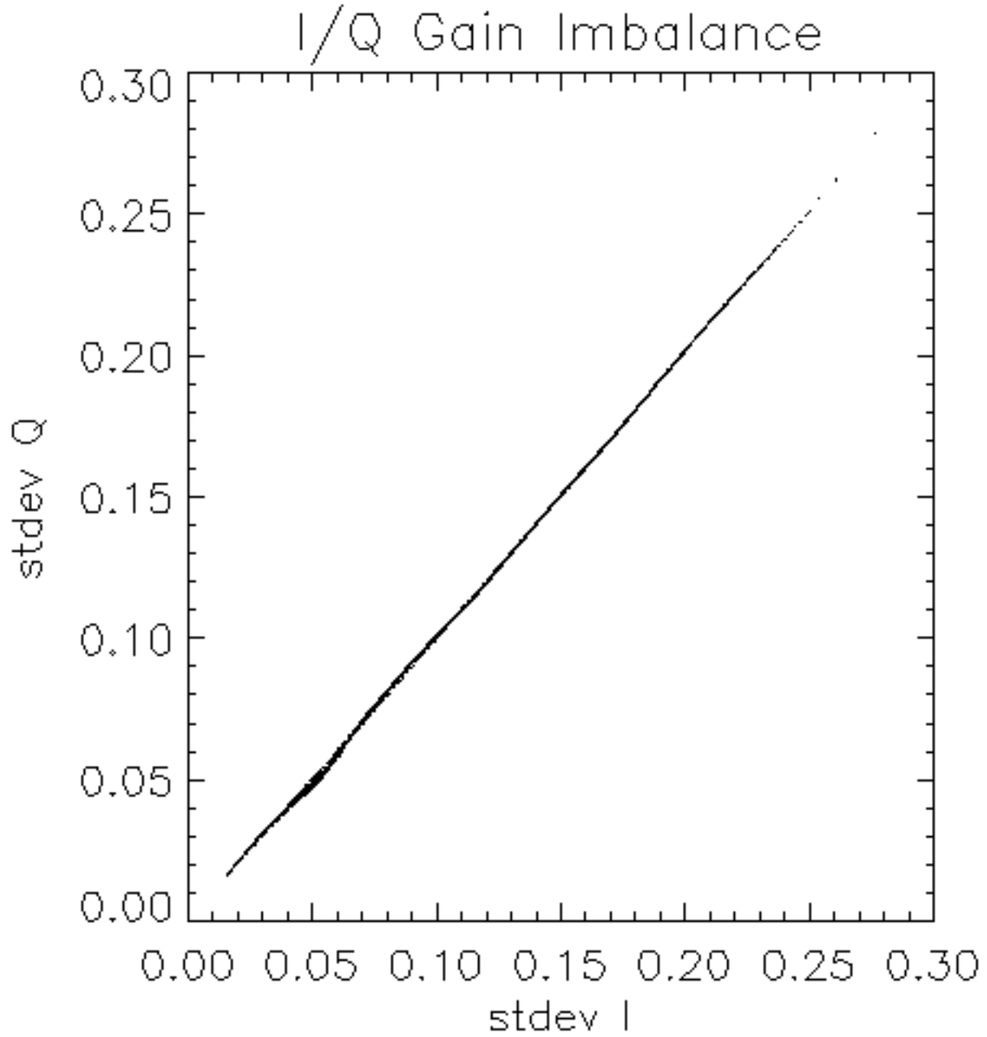
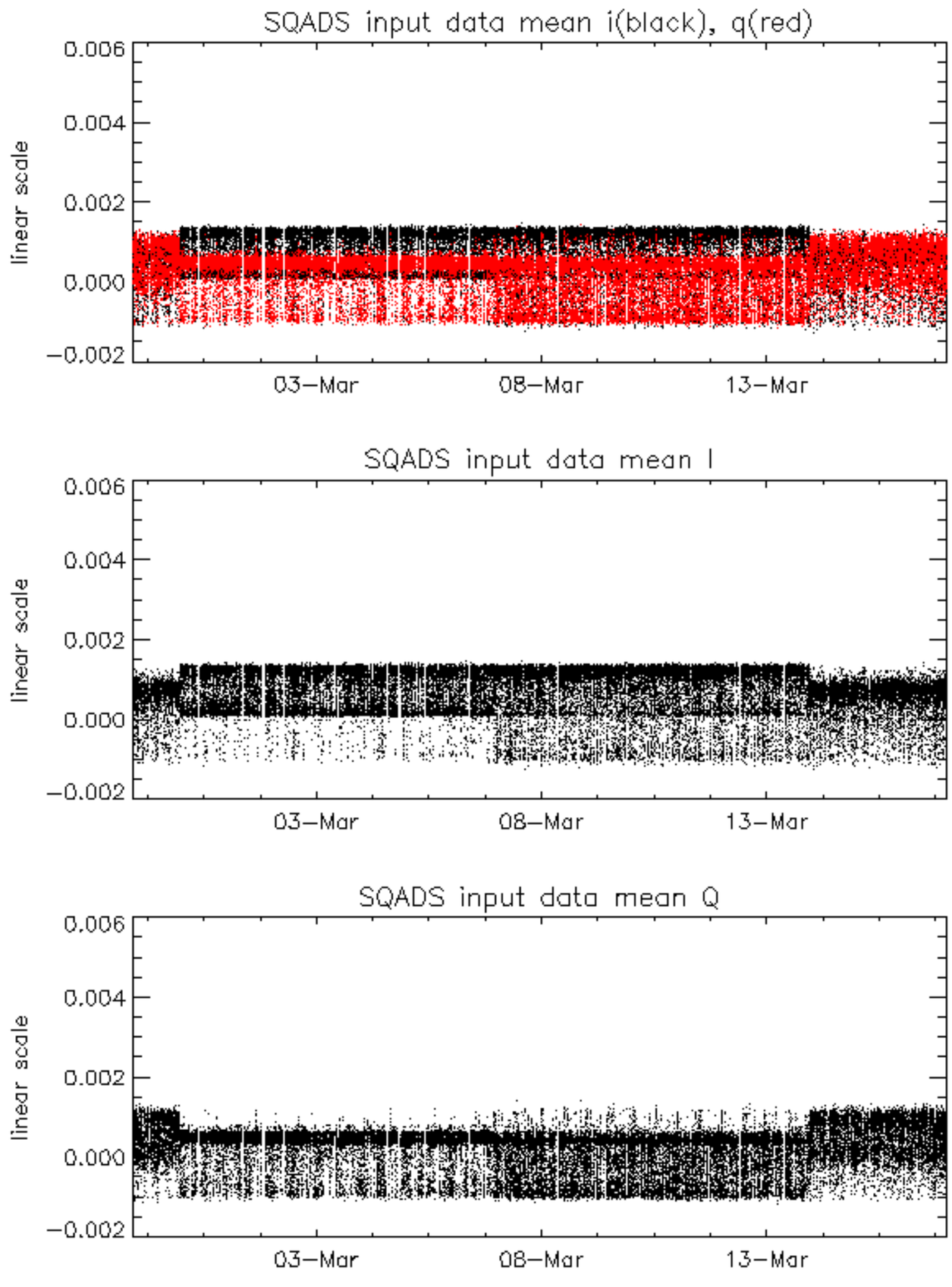
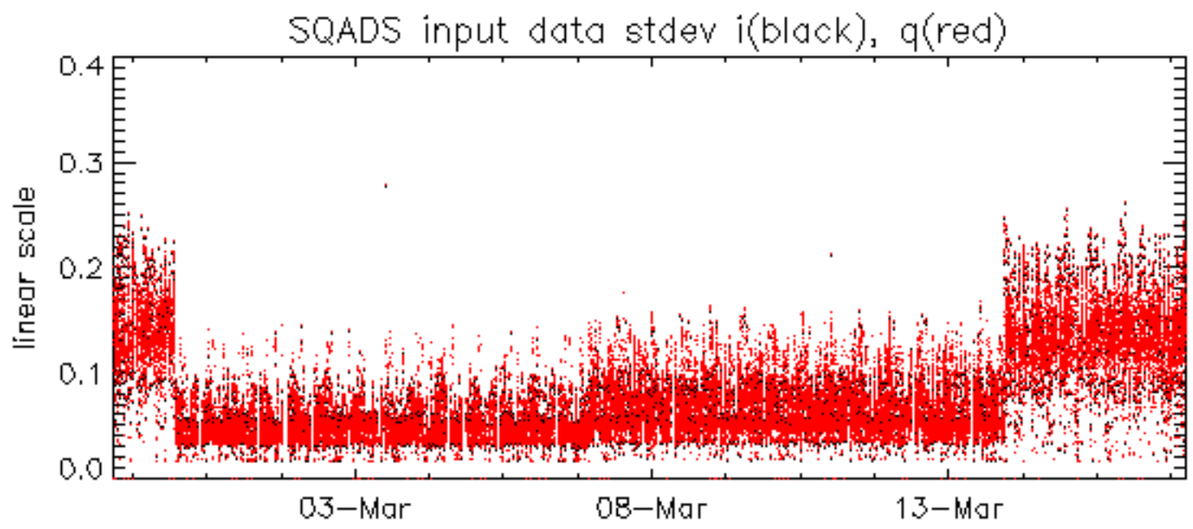
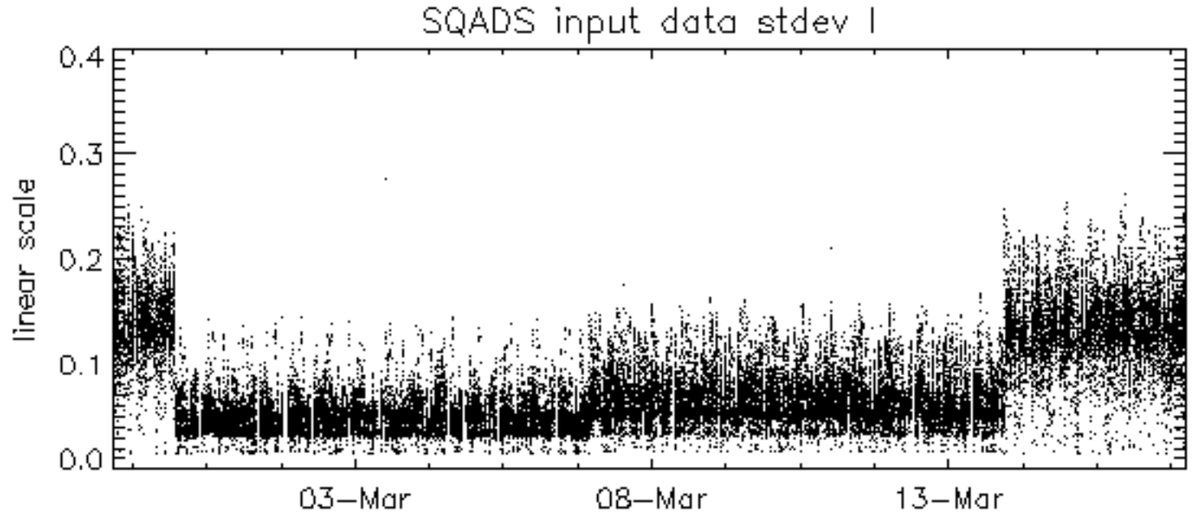
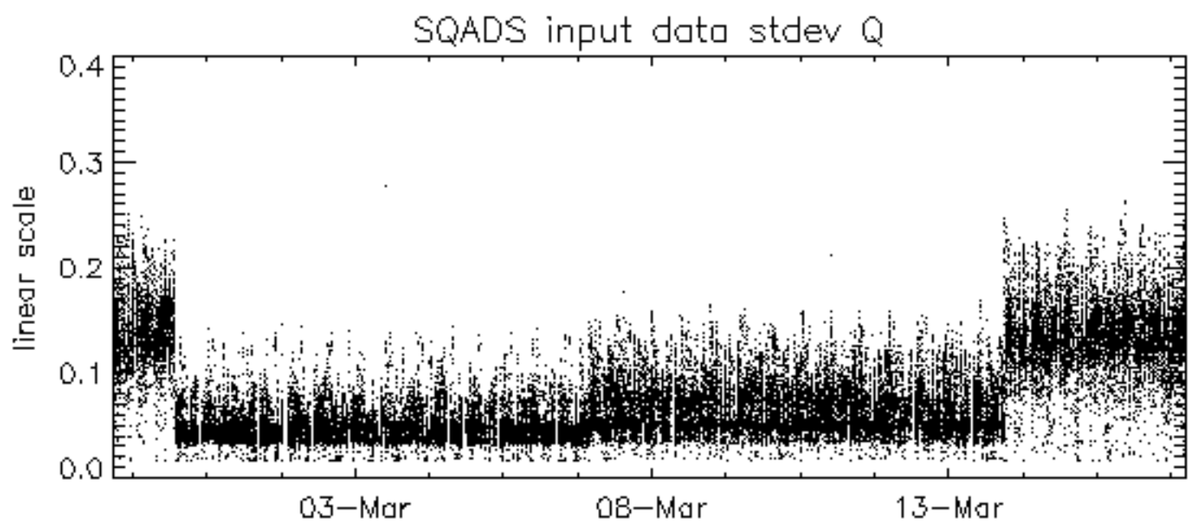
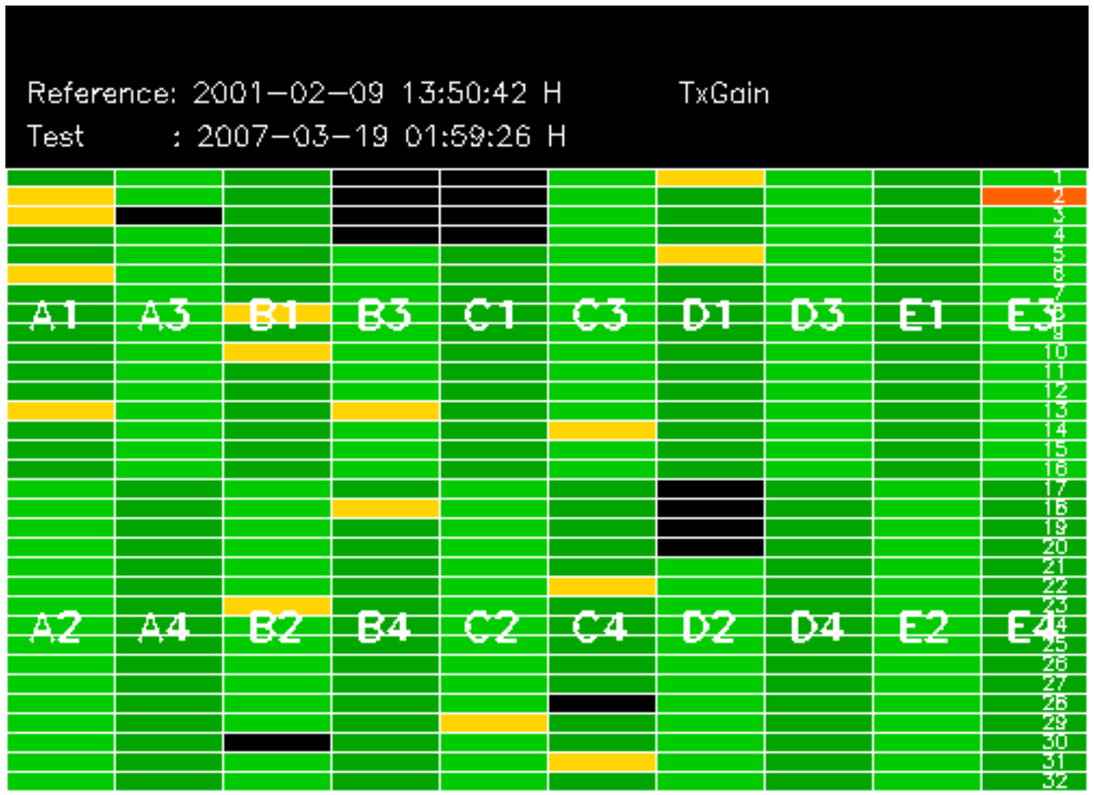

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

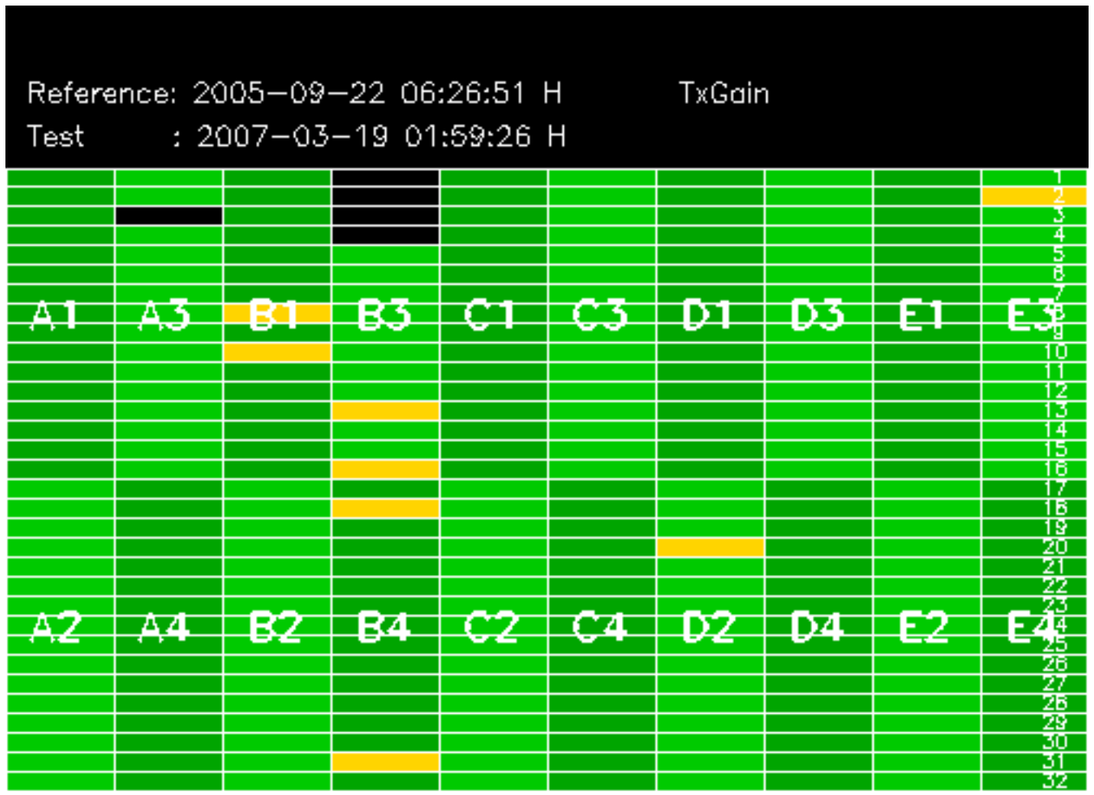

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-19 01:59:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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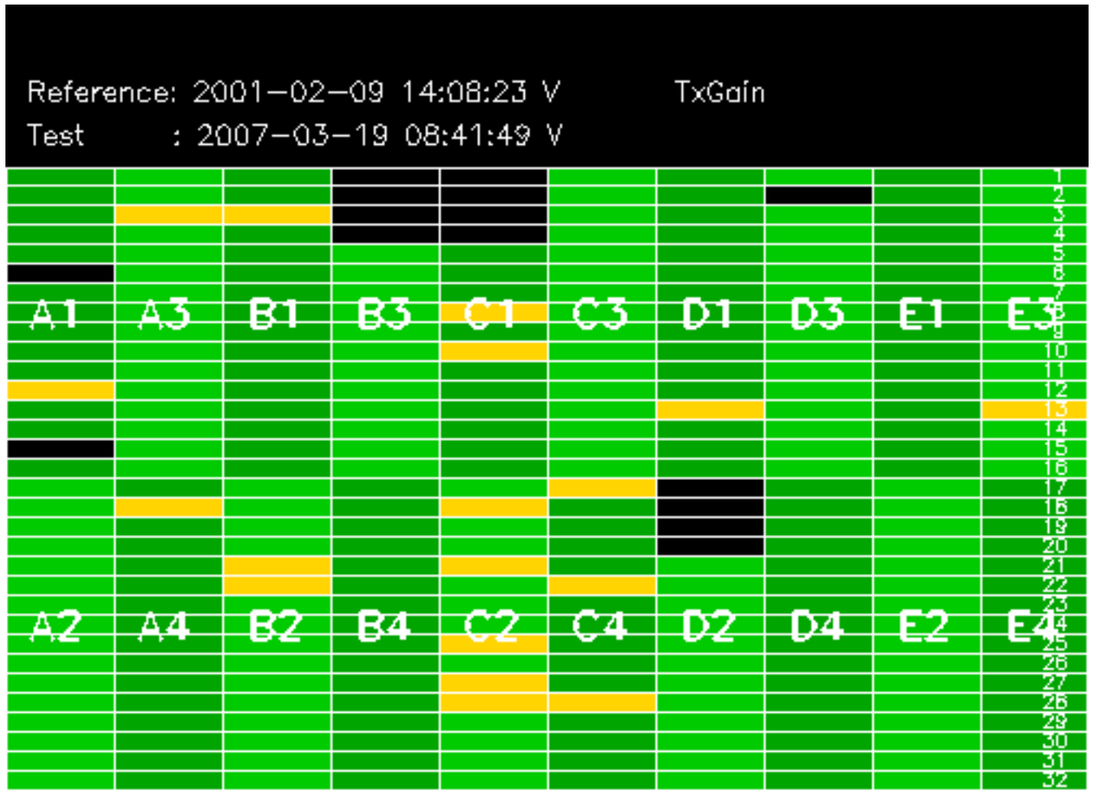
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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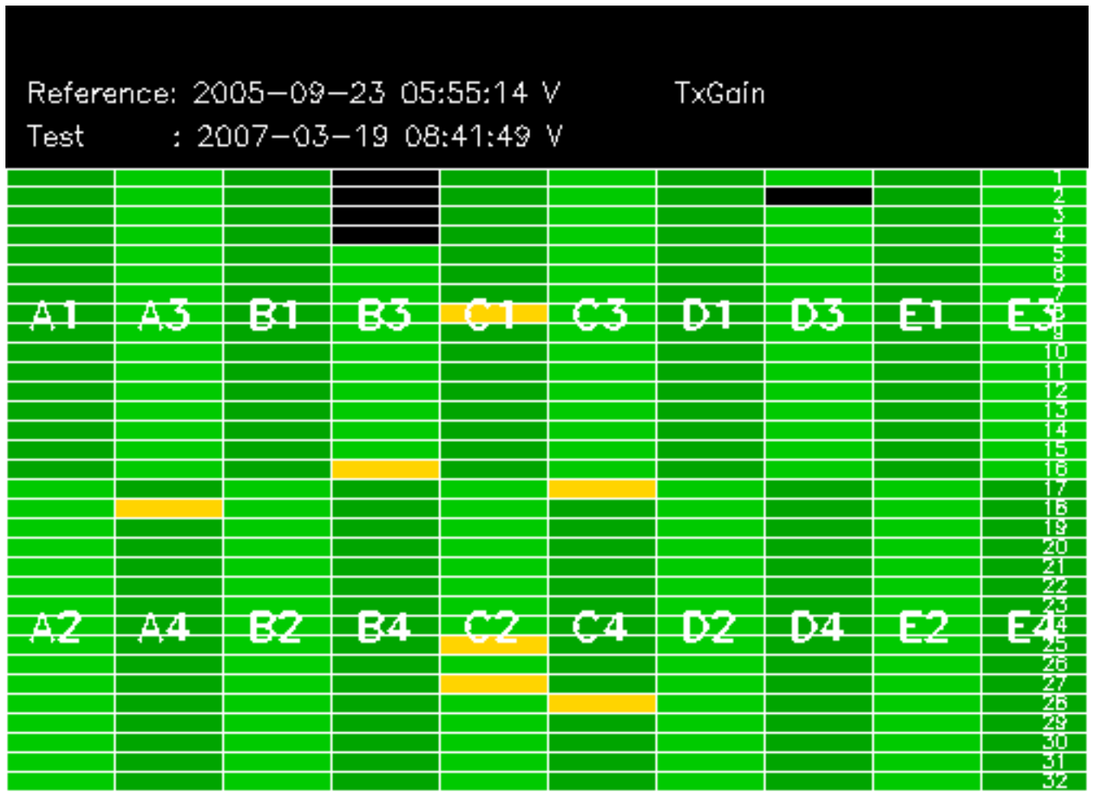
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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Summary of analysis for the last 3 days 2007031[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

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<tr> <td>ASA_IMM_1PNPDK20070315_133248_000000812056_00239_26345_1572.N1 </td> <td>0 </td> <td>2 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20070316_092324_000000372056_00251_26357_2261.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070314_201257_000009242056_00228_26334_0828.N1 </td> <td>0 </td> <td>22 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20070314_141836_000000852056_00225_26331_1665.N1 </td> <td>0 </td> <td>37 </td></tr>
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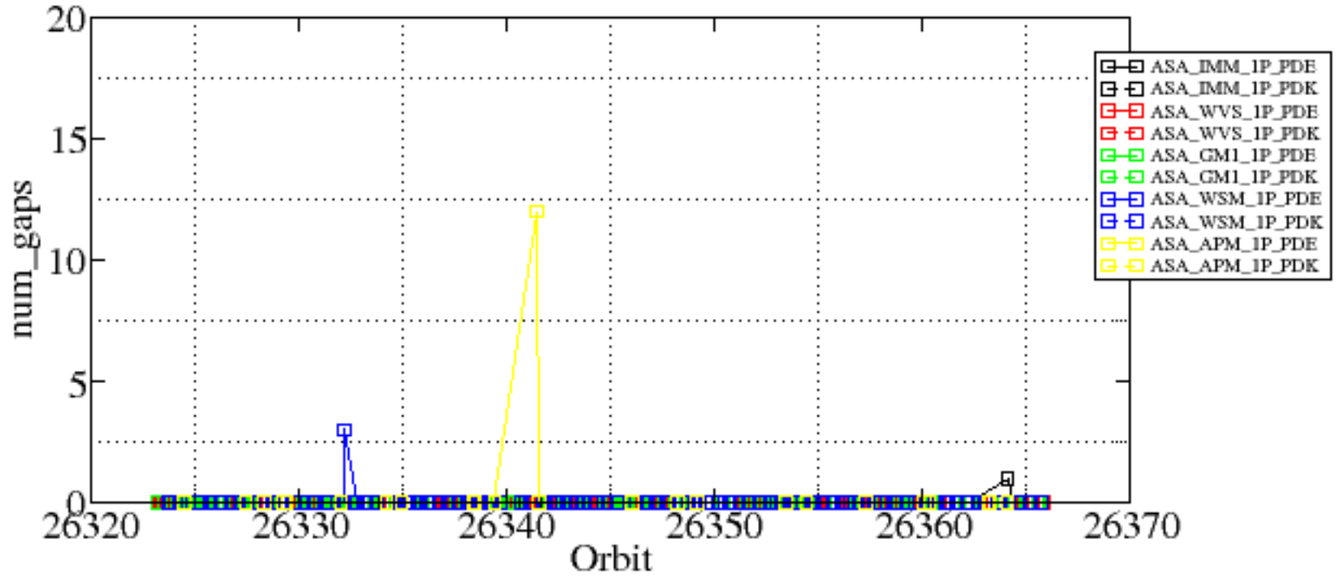
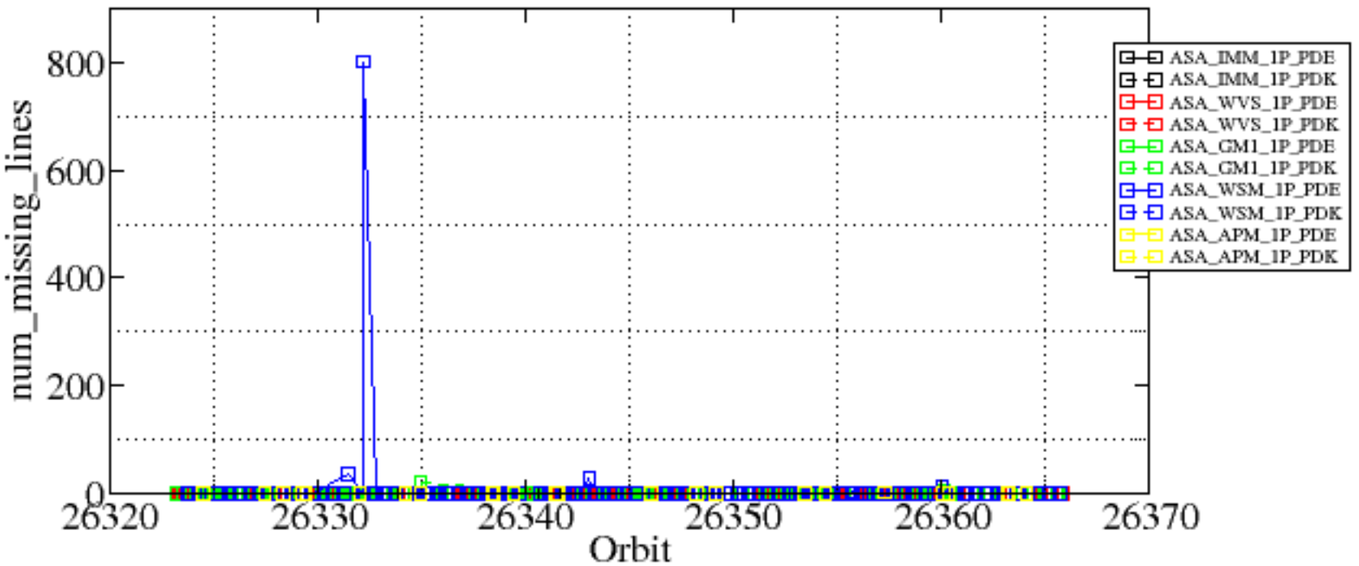
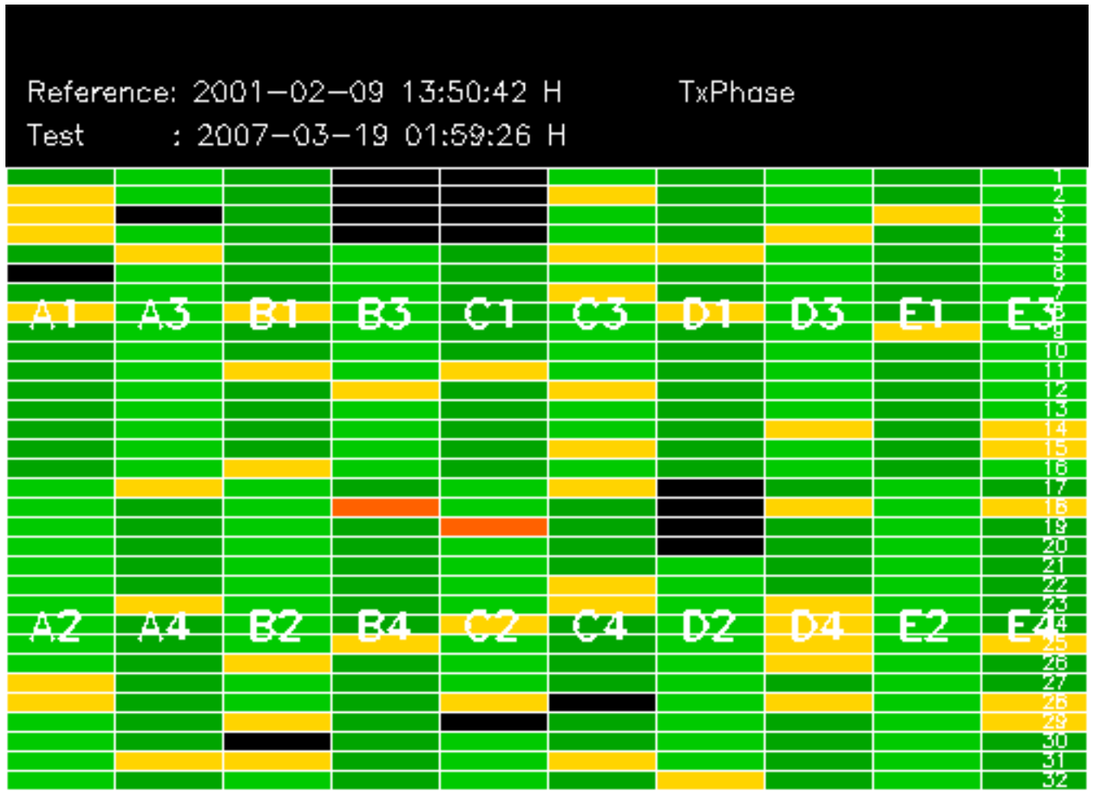
</table>


num_gaps
Orbit
20
15
10
5
0
26320
26330
26340
26350
26360
26370
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
800
600
400
200
0
26320
26330
26340
26350
26360
26370
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 : 2007-03-19 01:59:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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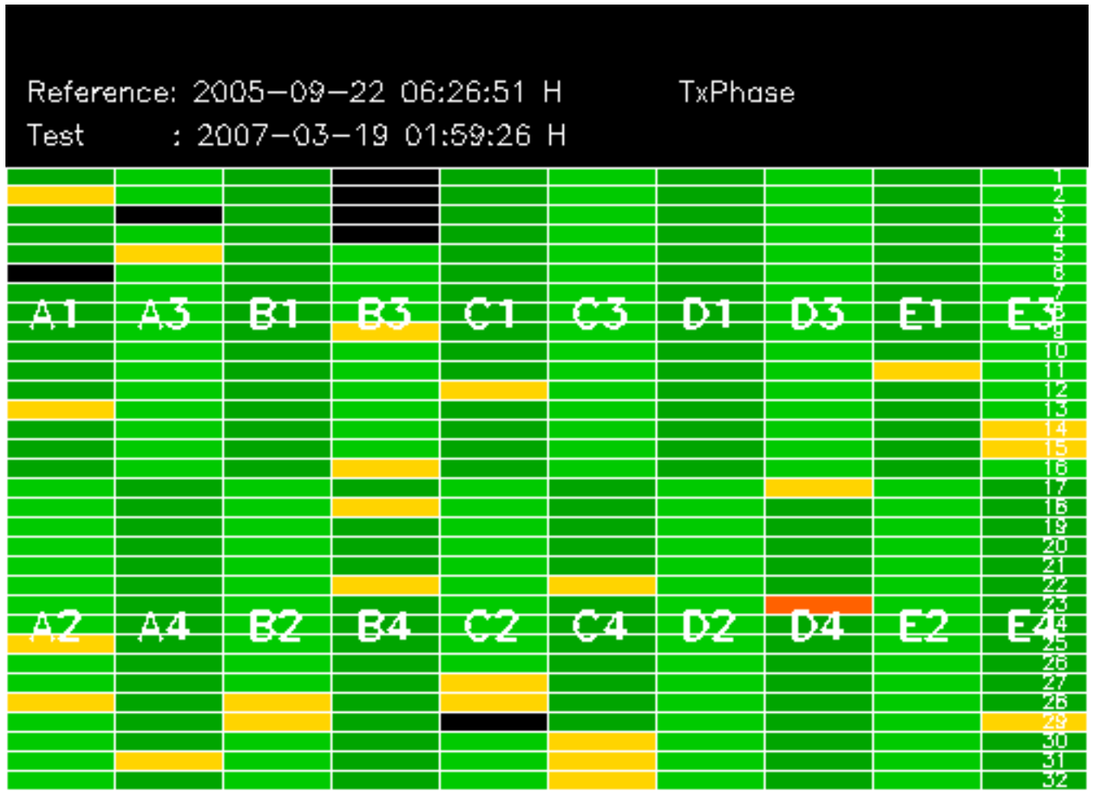
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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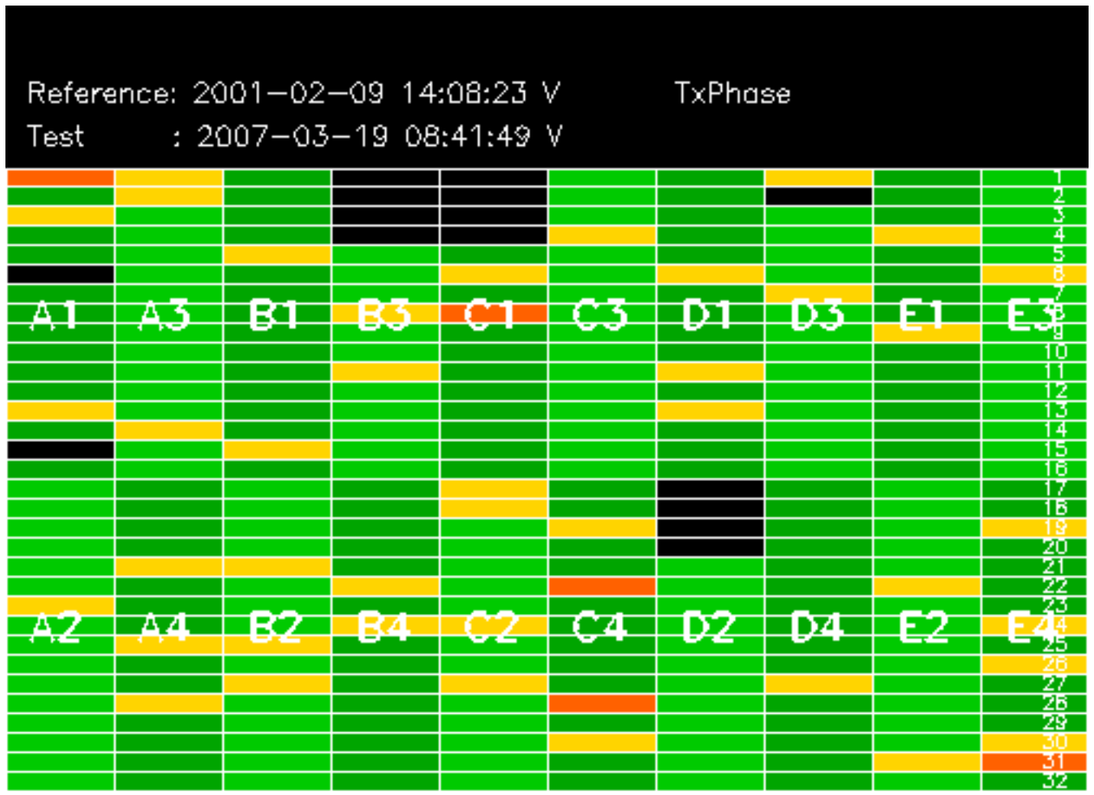
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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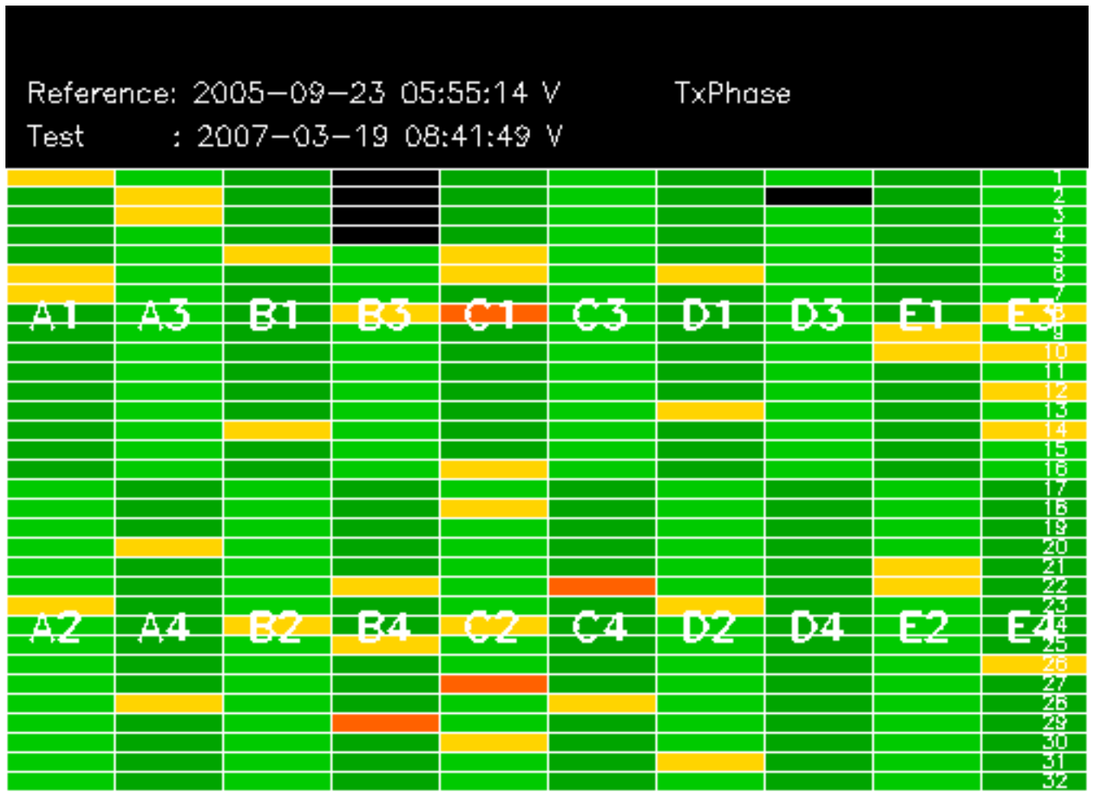
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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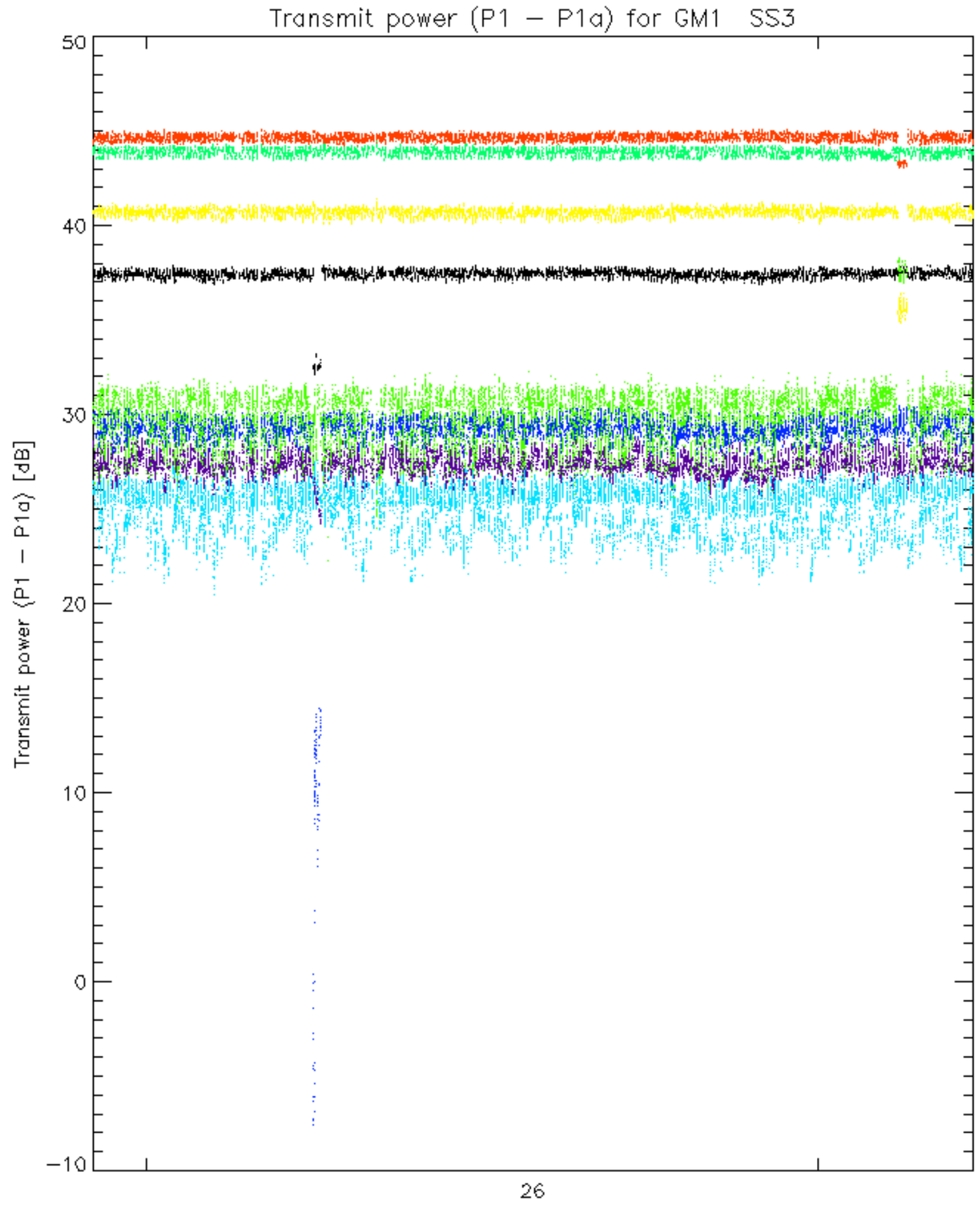
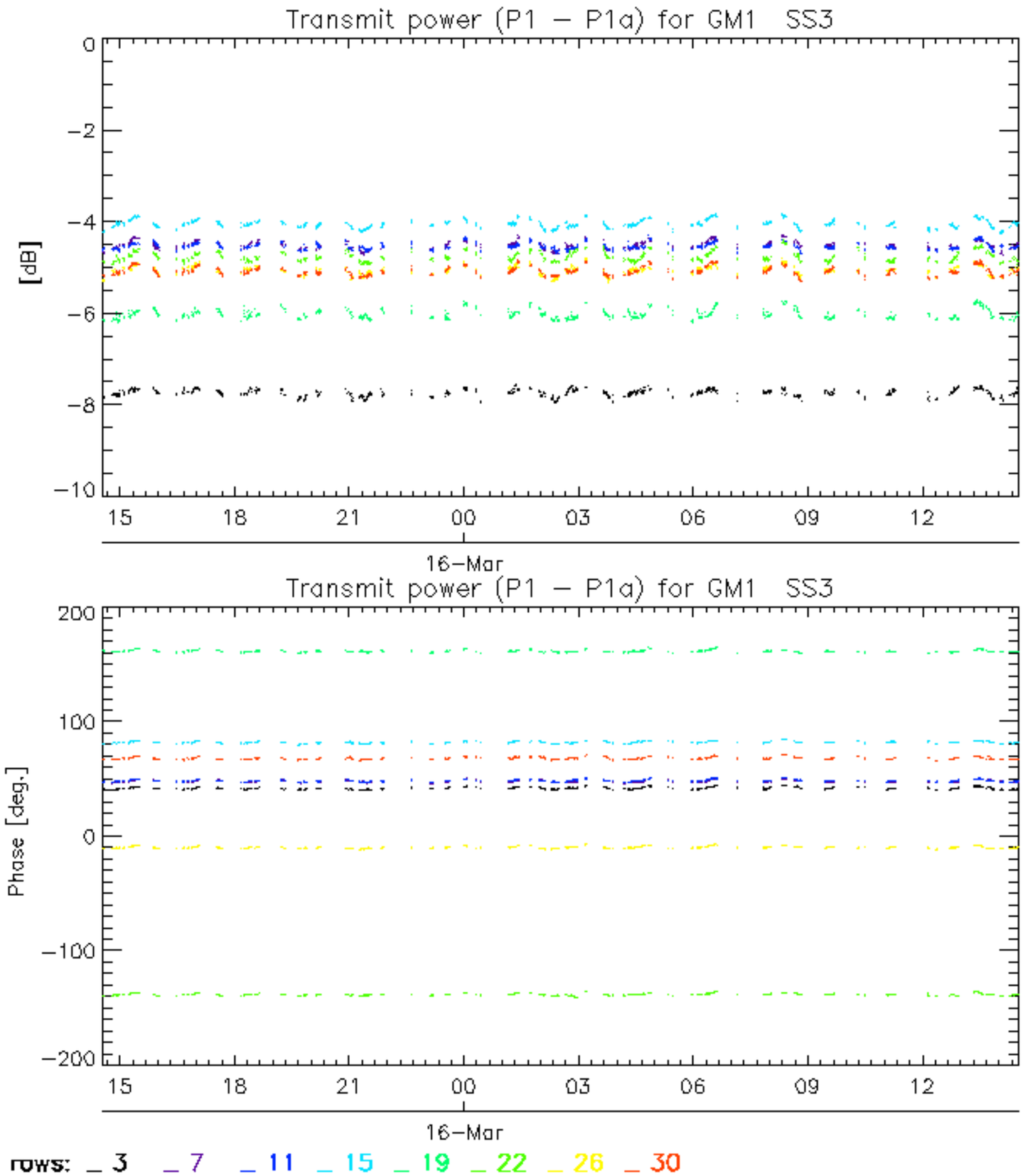
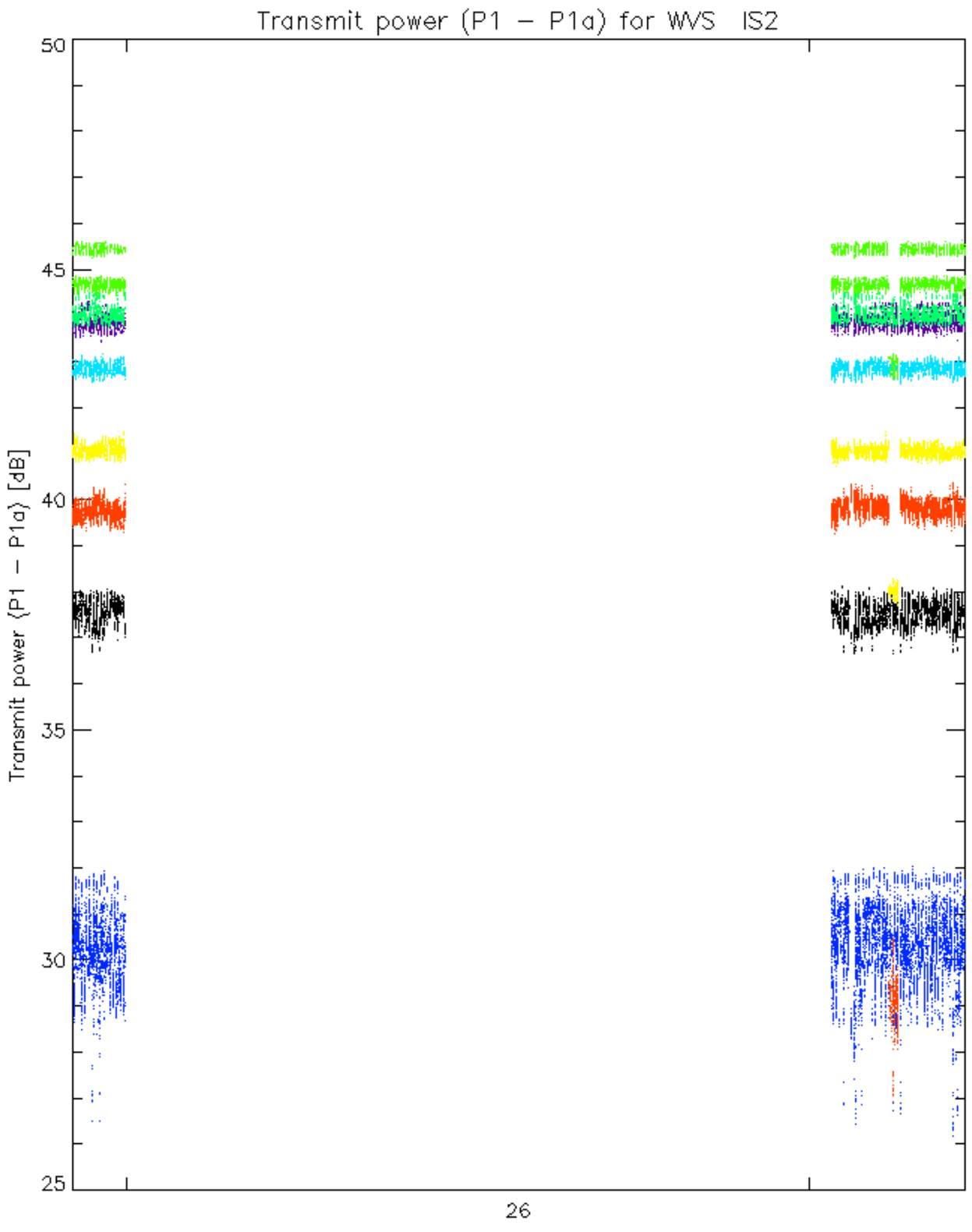
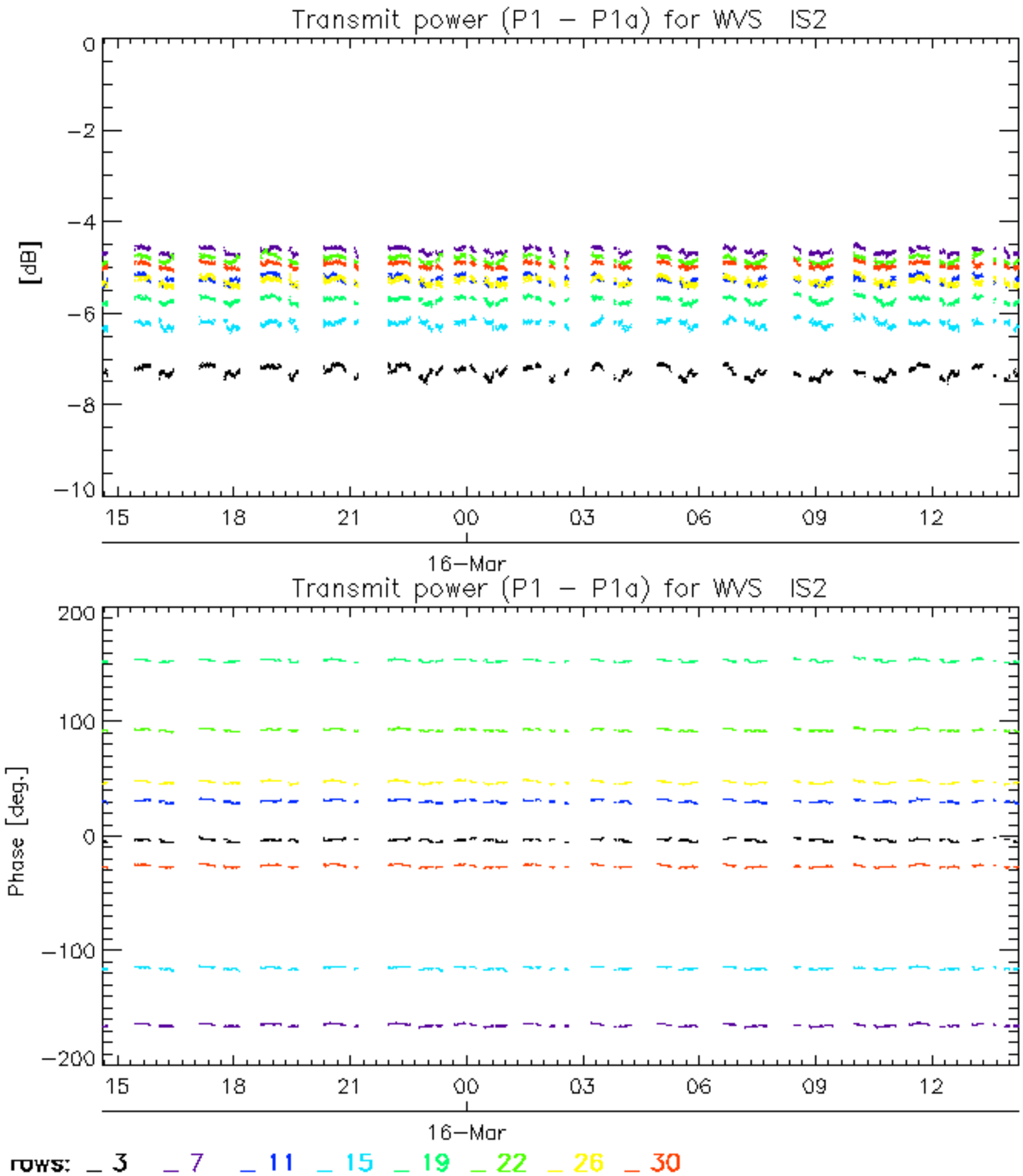
24
25
26
27
28
29
30
31
32


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


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
15
18
21
00
03
06
09
12
16–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
15
18
21
00
03
06
09
12
16–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
26
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
15
18
21
00
03
06
09
12
16–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
15
18
21
00
03
06
09
12
16–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.