PRELIMINARY REPORT OF 070317

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

last update on Mon Mar 19 14:27:27 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 14:27:27

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	40	63	8	3	19
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	40	63	8	3	19
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	40	63	8	3	19
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	63	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	-15.125969	0.119233	-0.078016
7	P1a	-17.464457	0.108972	-0.147739
11	P1a	-17.268351	0.320765	0.126240
15	P1a	-12.895912	0.079937	-0.088718
19	P1a	-15.155799	0.074707	-0.033172
22	P1a	-15.337796	0.836629	0.232953
26	P1a	-14.954049	1.002669	0.447647
30	P1a	-17.310518	0.419903	0.163084

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.745584	0.010257	-0.060483
7	P1	-3.135780	0.008236	-0.018211
11	P1	-4.161917	0.015034	-0.030336
15	P1	-6.383909	0.015518	-0.022437
19	P1	-3.775873	0.008254	-0.050387
22	P1	-4.630670	0.119761	0.122408
26	P1	-3.892376	0.093317	0.183399
30	P1	-5.851372	0.192447	0.232141

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.660139	0.091905	0.036421
7	P2	-21.614586	0.080980	0.016180

11	P2	-15.533574	0.097750	0.062576
15	P2	-7.075700	0.092447	-0.055289
19	P2	-9.107993	0.083259	-0.012438
22	P2	-18.100838	0.073189	0.037369
26	P2	-16.550287	0.084202	-0.062995
30	P2	-19.344810	0.077930	0.044751

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.238624	0.006399	-0.007909
7	P3	-8.238624	0.006399	-0.007909
11	P3	-8.238624	0.006399	-0.007909
15	P3	-8.238624	0.006399	-0.007909
19	P3	-8.238624	0.006399	-0.007909
22	P3	-8.238624	0.006399	-0.007909
26	P3	-8.238624	0.006399	-0.007909
30	P3	-8.238624	0.006399	-0.007909

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	-11.081939	0.056858	-0.068672
7	P1a	-10.071062	0.173078	-0.024811
11	P1a	-10.681888	0.072880	-0.110727
15	P1a	-10.958977	0.142521	0.034272
19	P1a	-15.696246	0.073037	-0.166021
22	P1a	-20.841671	1.642981	0.797734
26	P1a	-15.223911	0.311550	0.266563
30	P1a	-18.339960	0.906798	0.723986

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.405393	0.051549	-0.059644
7	P1	-2.425994	0.033044	-0.019195
11	P1	-2.924407	0.022657	-0.006160
15	P1	-3.848598	0.045157	-0.037854
19	P1	-3.557710	0.011214	-0.048073
22	P1	-5.032728	0.038238	0.134075
26	P1	-5.935502	0.065663	0.167404
30	P1	-5.263848	0.033650	0.078313

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.102013	0.035527	-0.043105
7	P2	-21.952002	0.058659	-0.025572
11	P2	-10.638330	0.032017	0.022722
15	P2	-4.824775	0.029638	0.007250
19	P2	-6.810949	0.031756	-0.008467
22	P2	-8.076585	0.035776	0.011034
26	P2	-24.291779	0.040510	0.055178
30	P2	-21.725430	0.041561	0.063259

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.059412	0.003842	0.006763
7	P3	-8.059321	0.003828	0.006746
11	P3	-8.059321	0.003826	0.007164
15	P3	-8.059460	0.003837	0.007715
19	P3	-8.059424	0.003842	0.008335
22	P3	-8.059392	0.003834	0.006766
26	P3	-8.059136	0.003812	0.008218
30	P3	-8.059292	0.003833	0.006633

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000687401
	stdev	3.06388e-07
MEAN Q	mean	0.000254277
	stdev	2.81403e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0823781
	stdev	0.00197991
STDEV Q	mean	0.0820890
	stdev	0.00203074

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007031[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_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_1PNPDK20070316_142640_000002772056_00254_26360_3264.N1	0	7
ASA_WSM_1PNPDE20070316_141502_000000852056_00254_26360_4383.N1	0	15
ASA_WSM_1PNPDE20070317_153552_000003002056_00269_26375_5553.N1	0	111
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

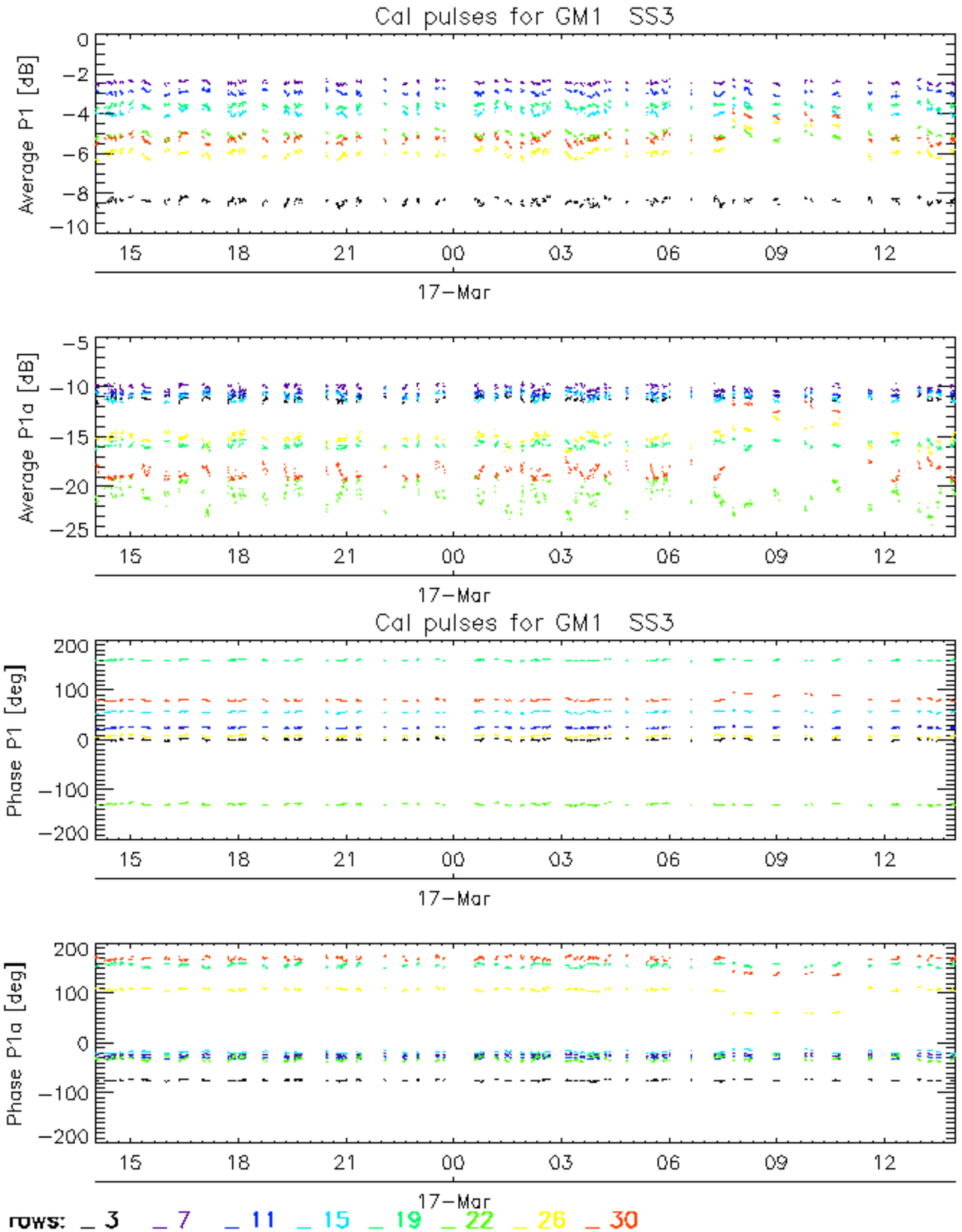
Evolution of Absolute Doppler

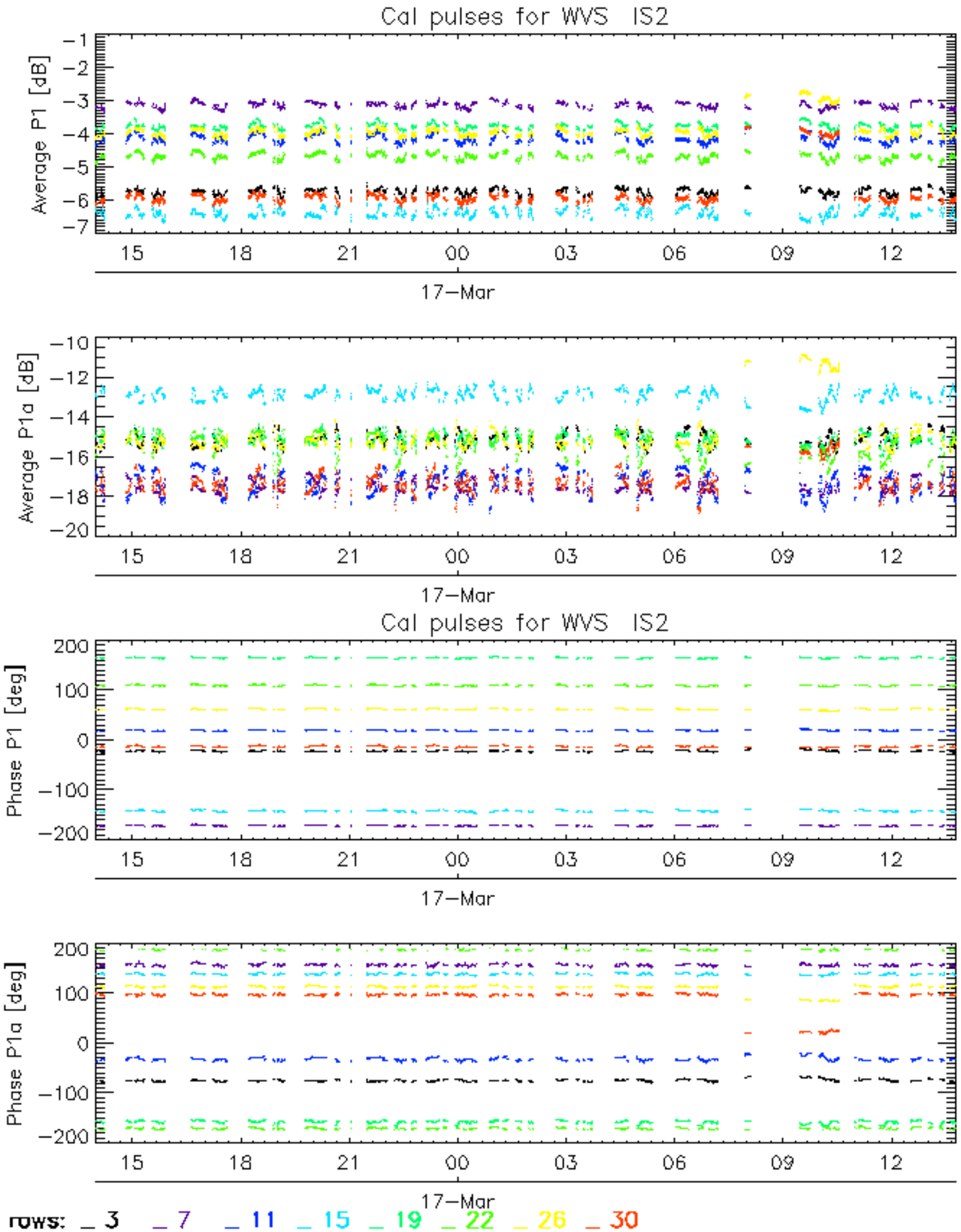
Acsending

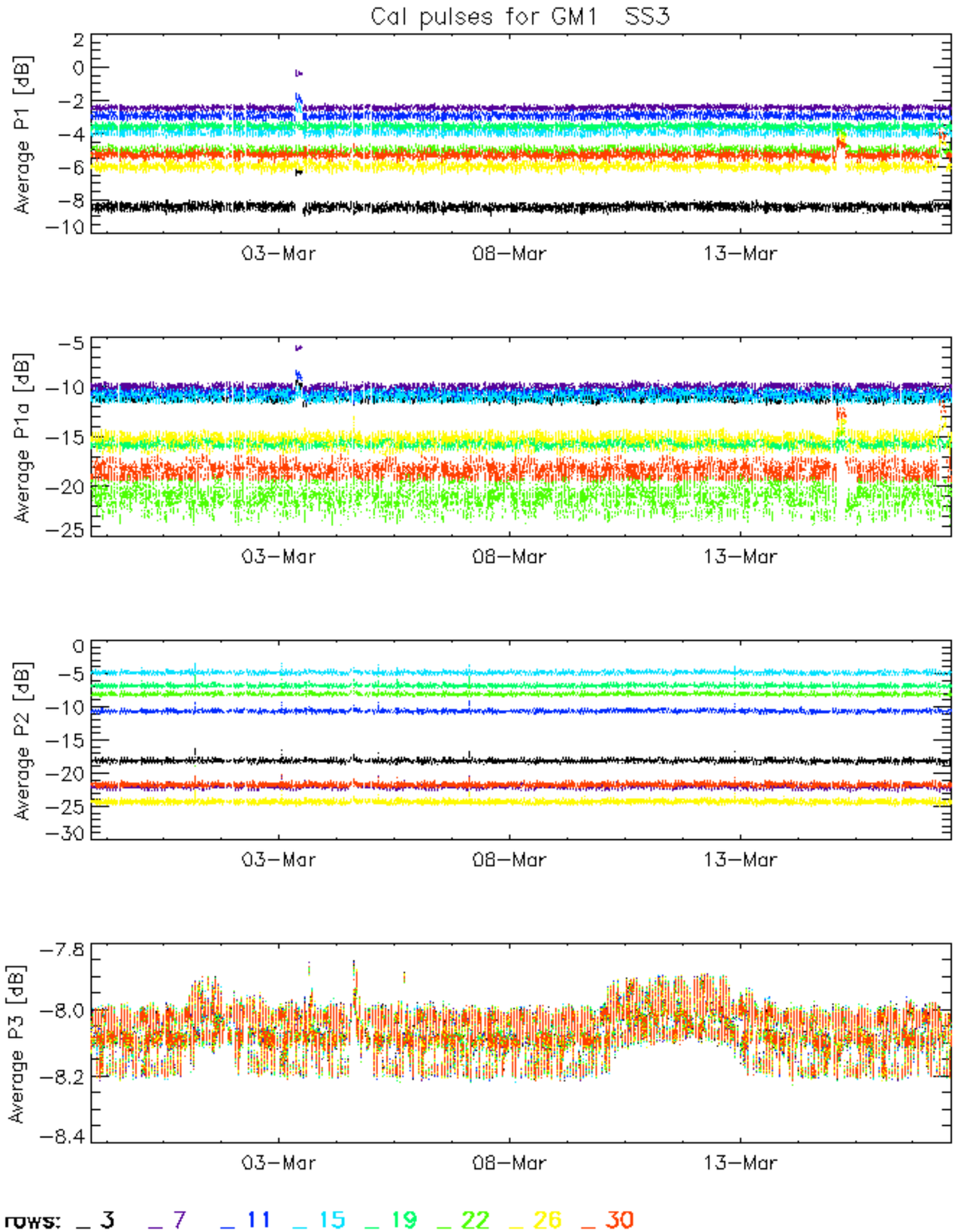
Descending

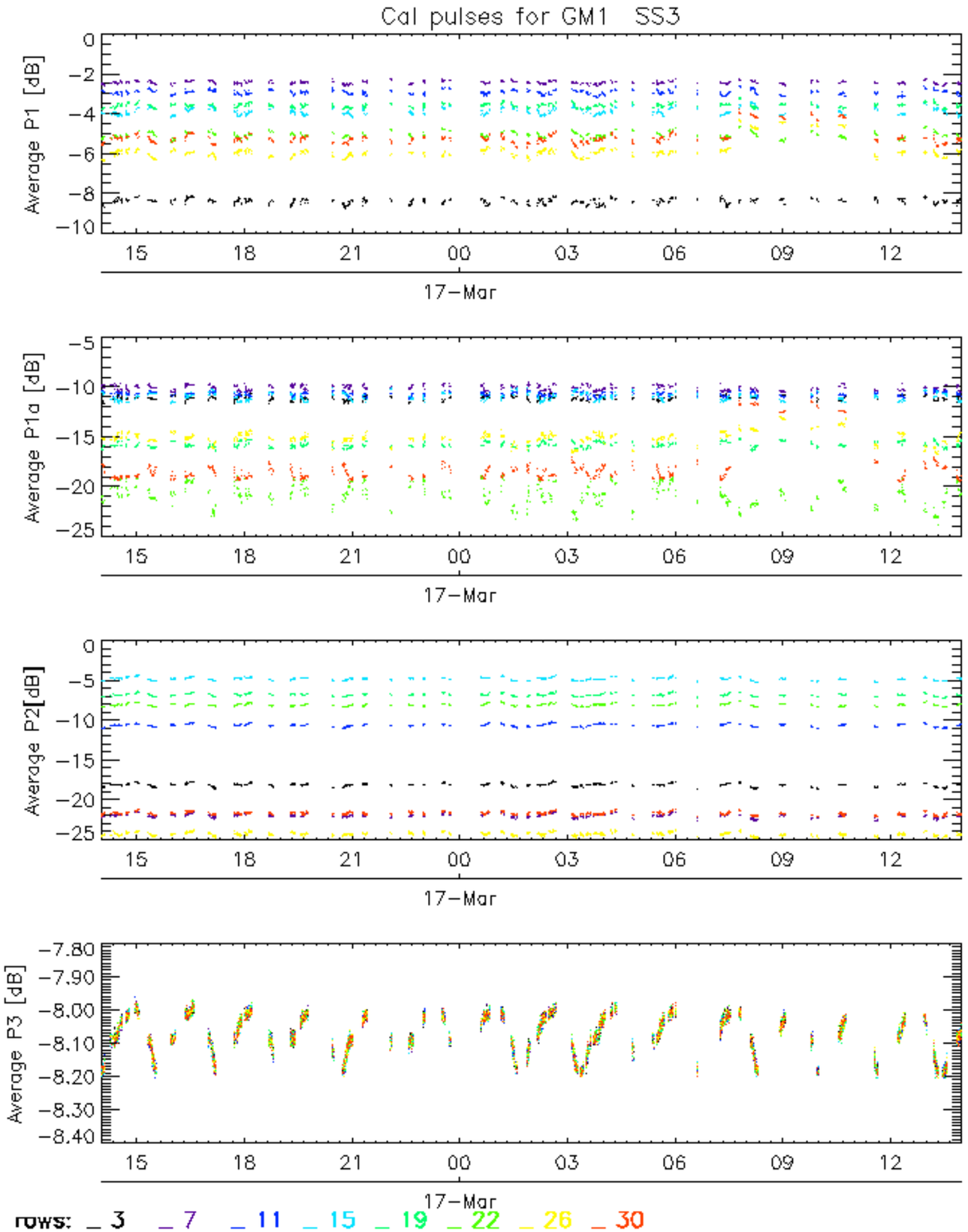
7.6 - Doppler evolution versus ANX for GM1

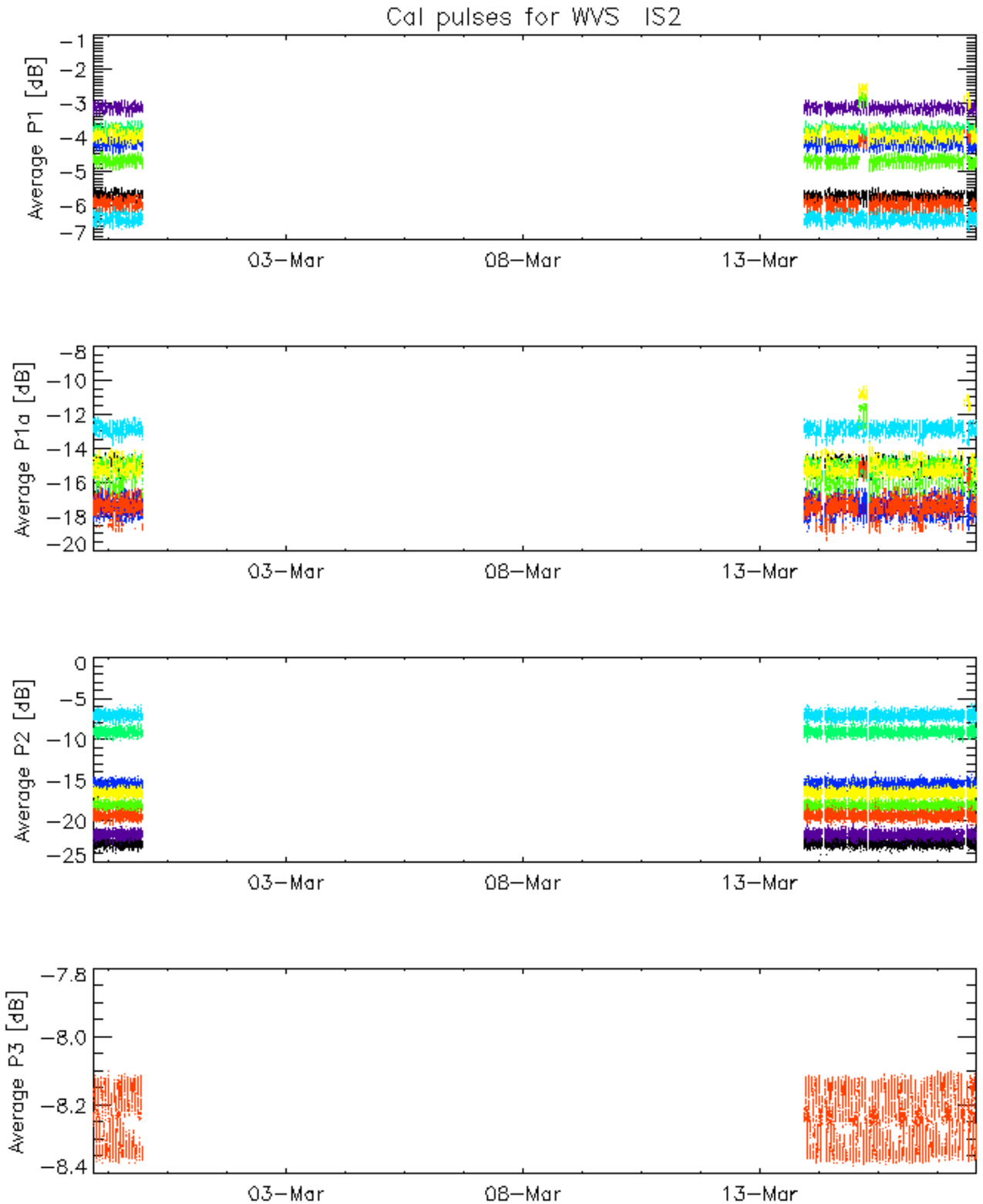
Evolution Doppler error versus ANX

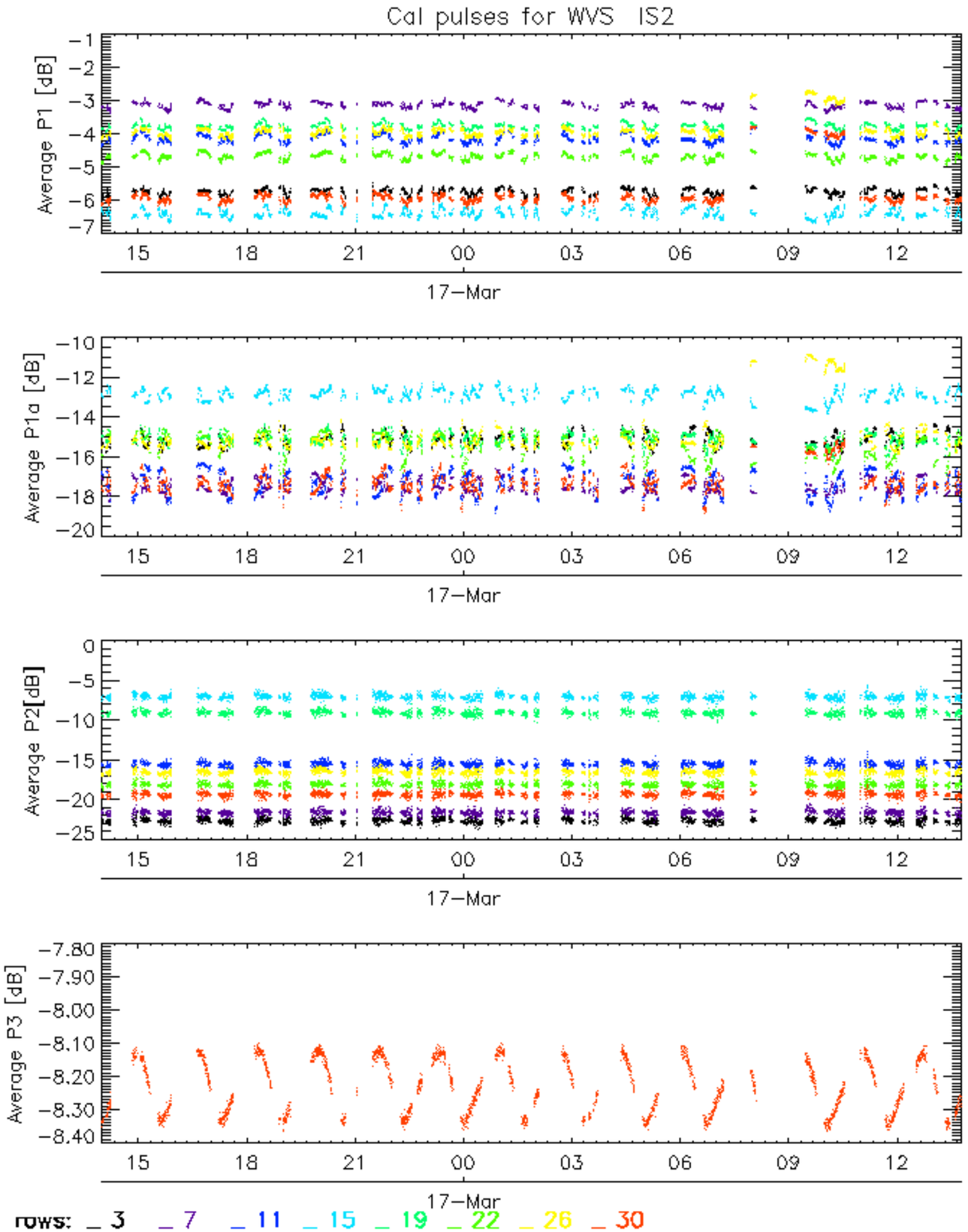


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
15
18
21
00
03
06
09
12
17−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

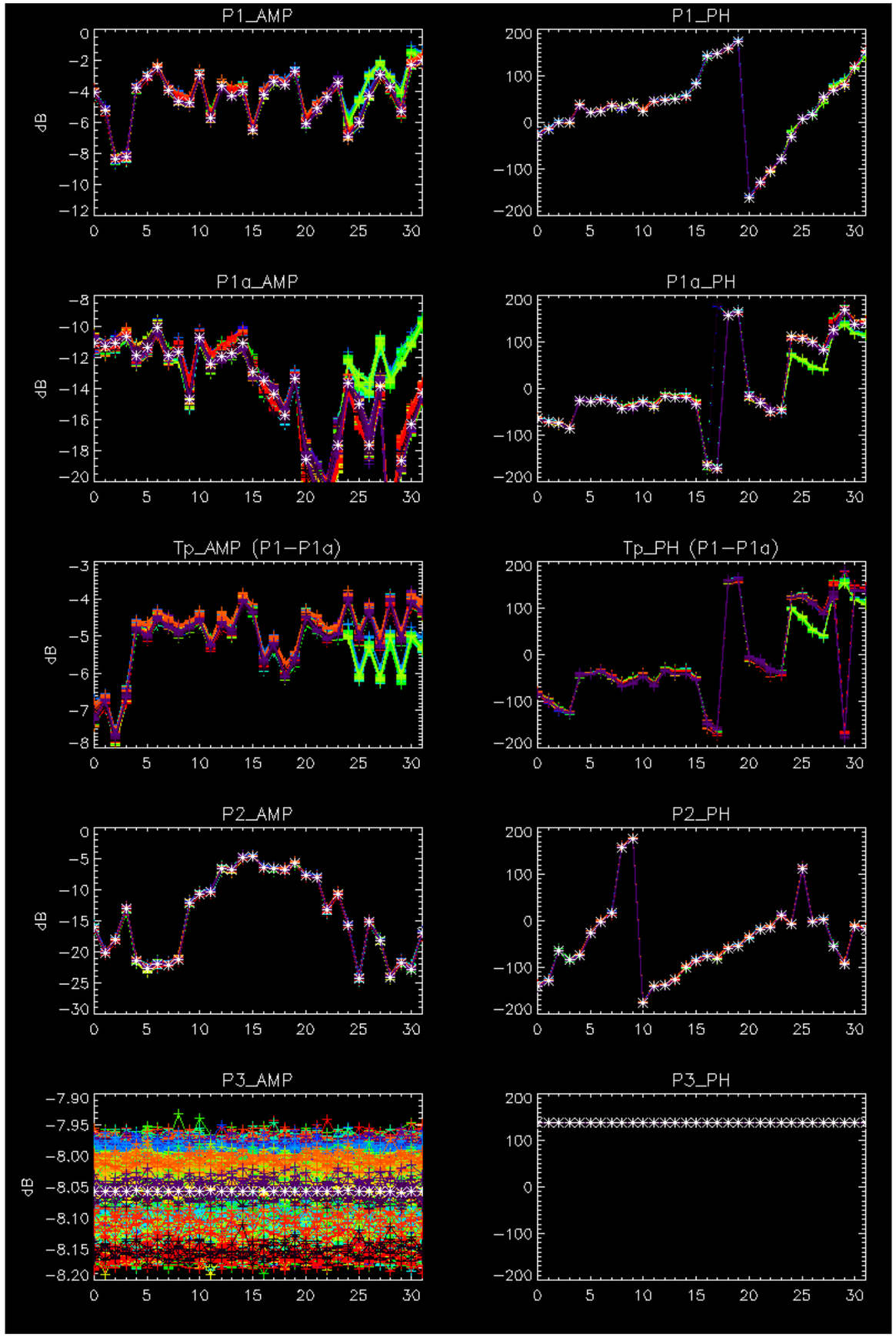

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
03−Mar
08−Mar
13−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
03−Mar
08−Mar
13−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
13−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

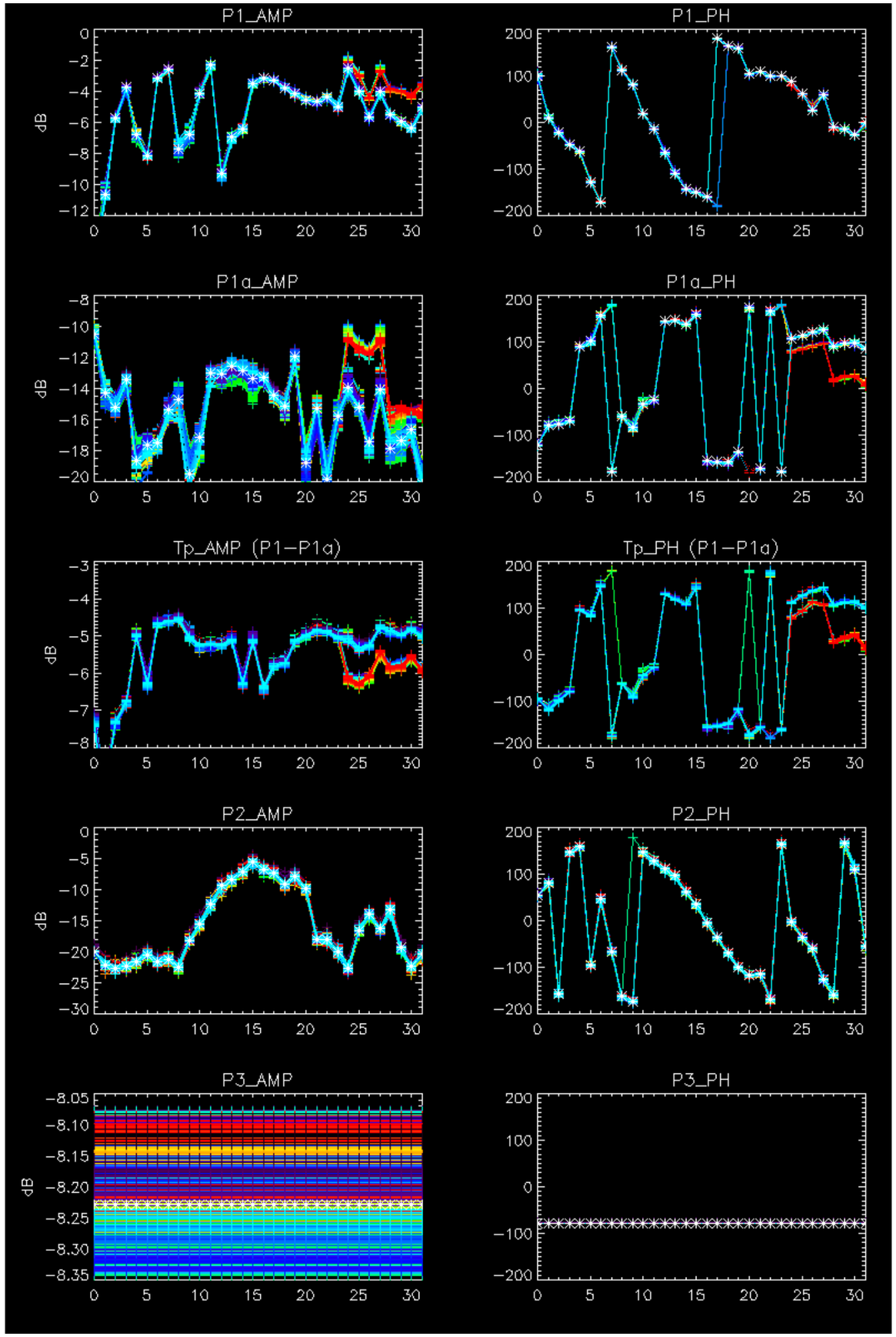

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
15
18
21
00
03
06
09
12
17−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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
17−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
15
18
21
00
03
06
09
12
17−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
12
17−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
17−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

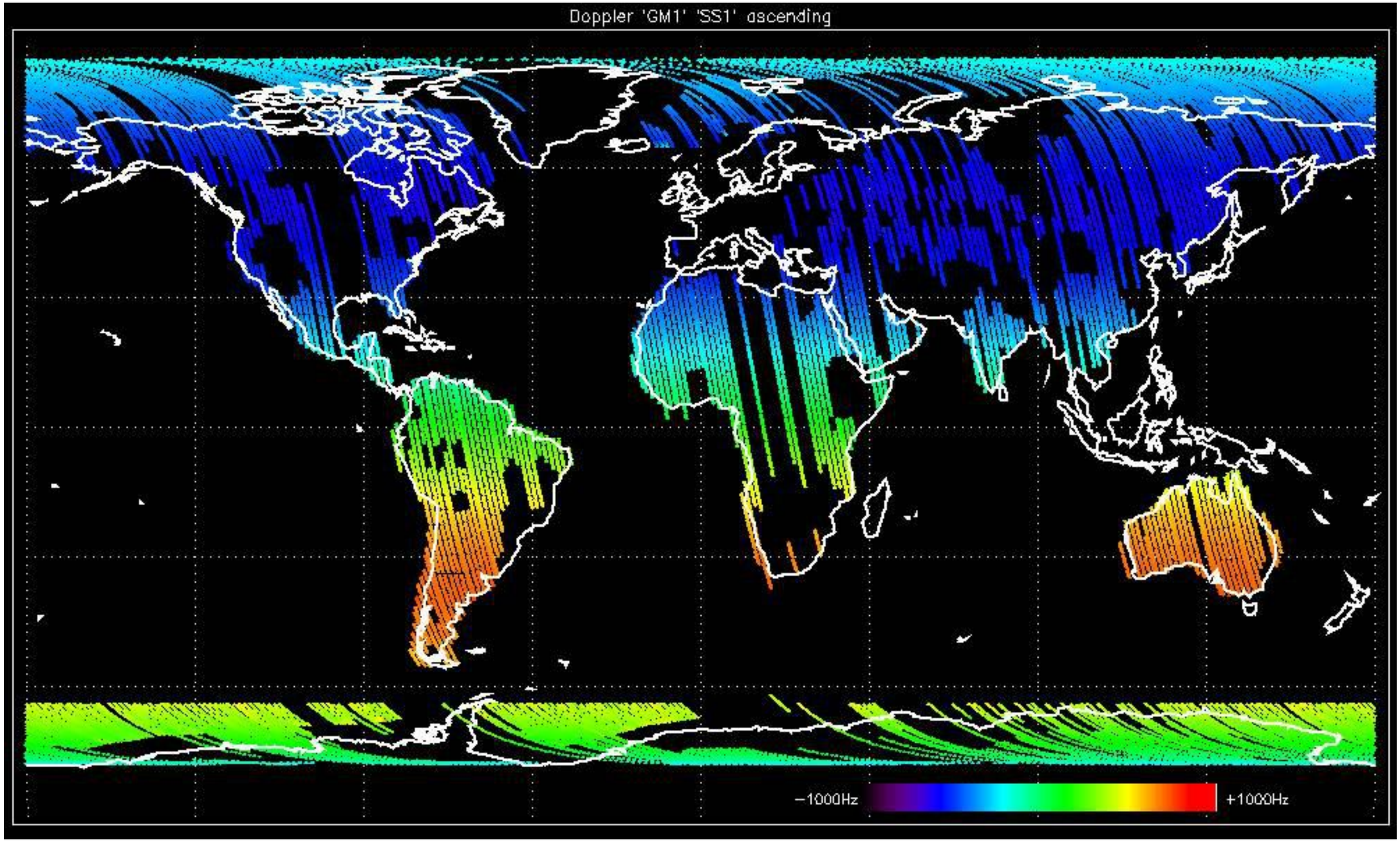
No anomalies observed.

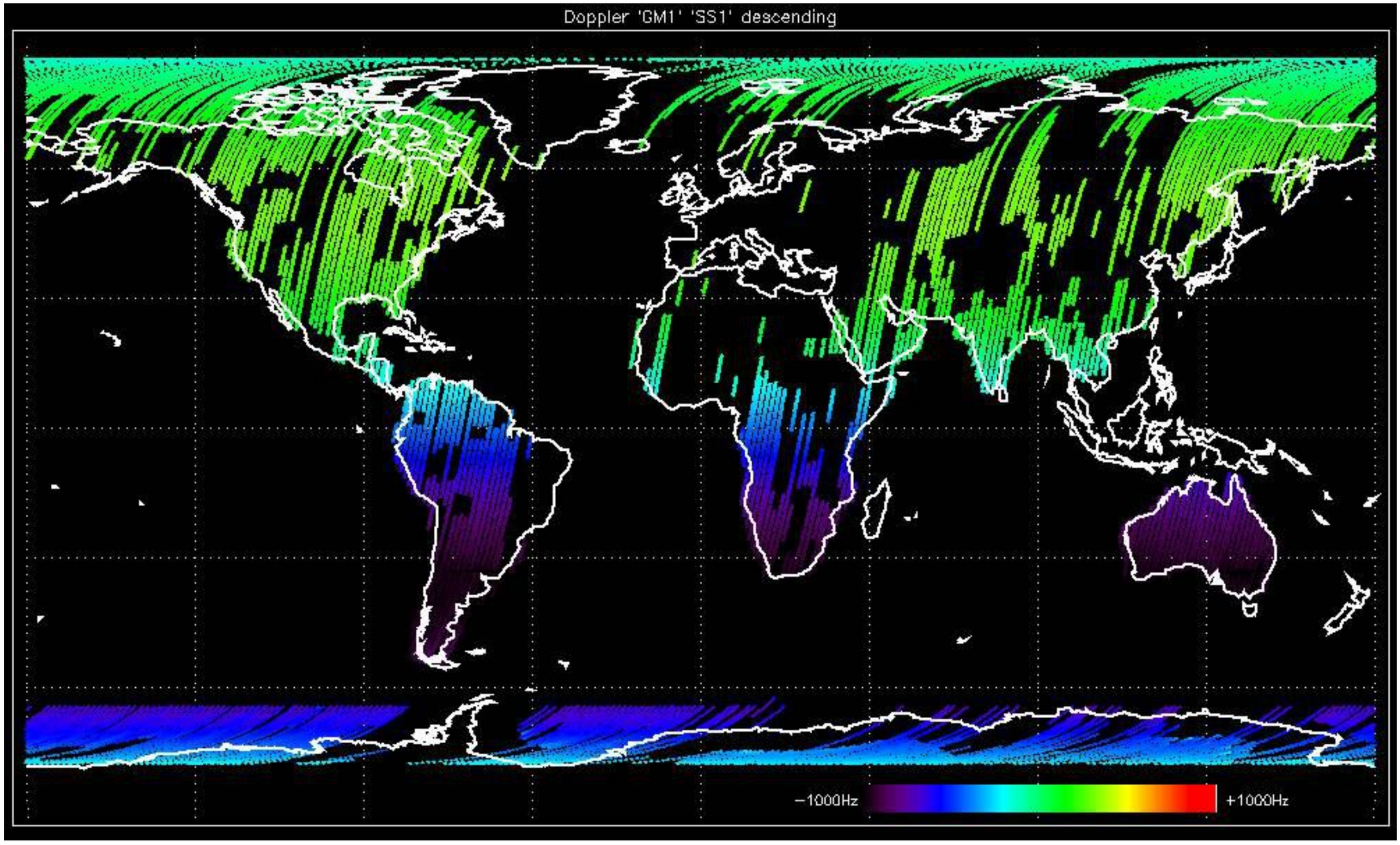

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

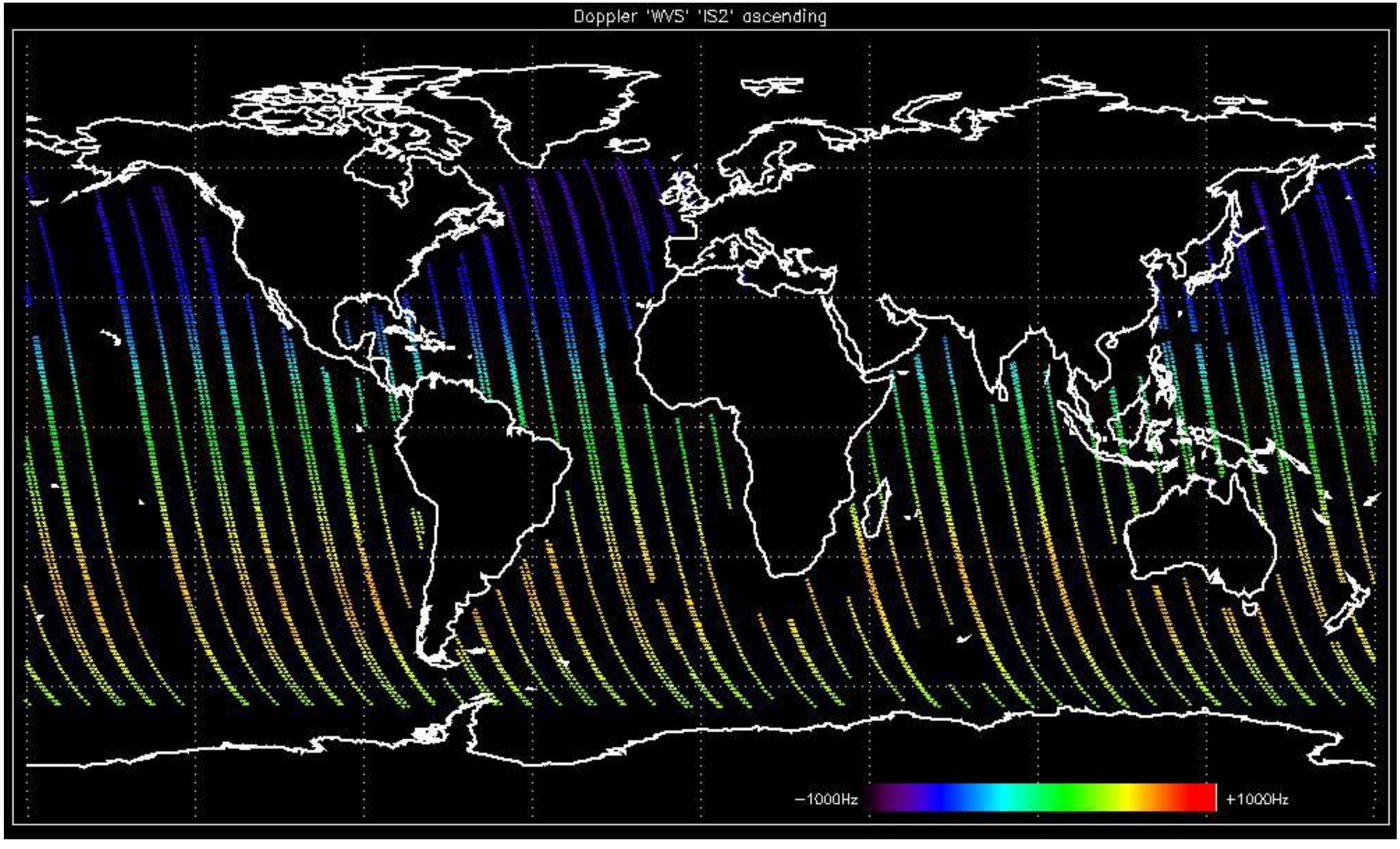

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

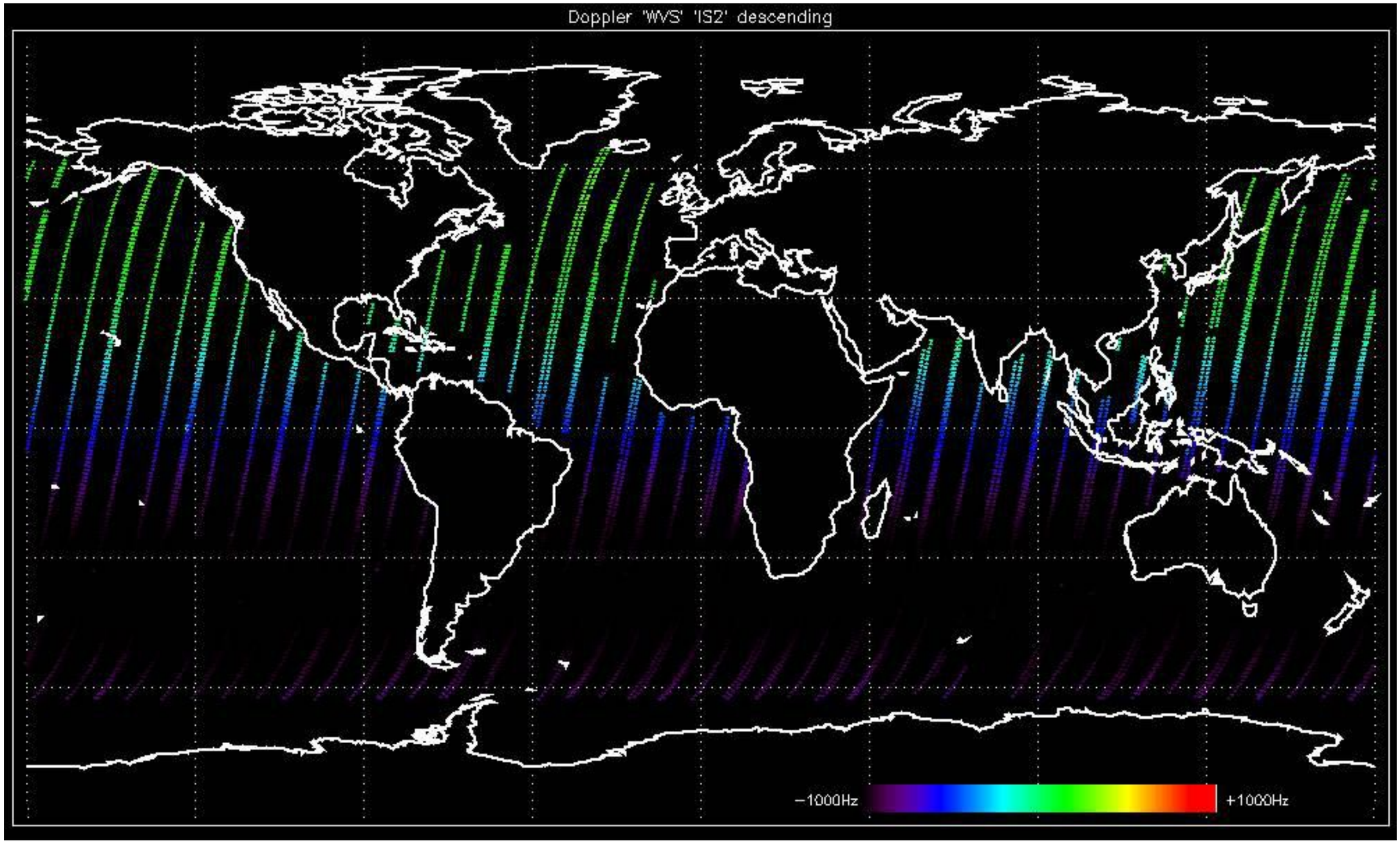
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

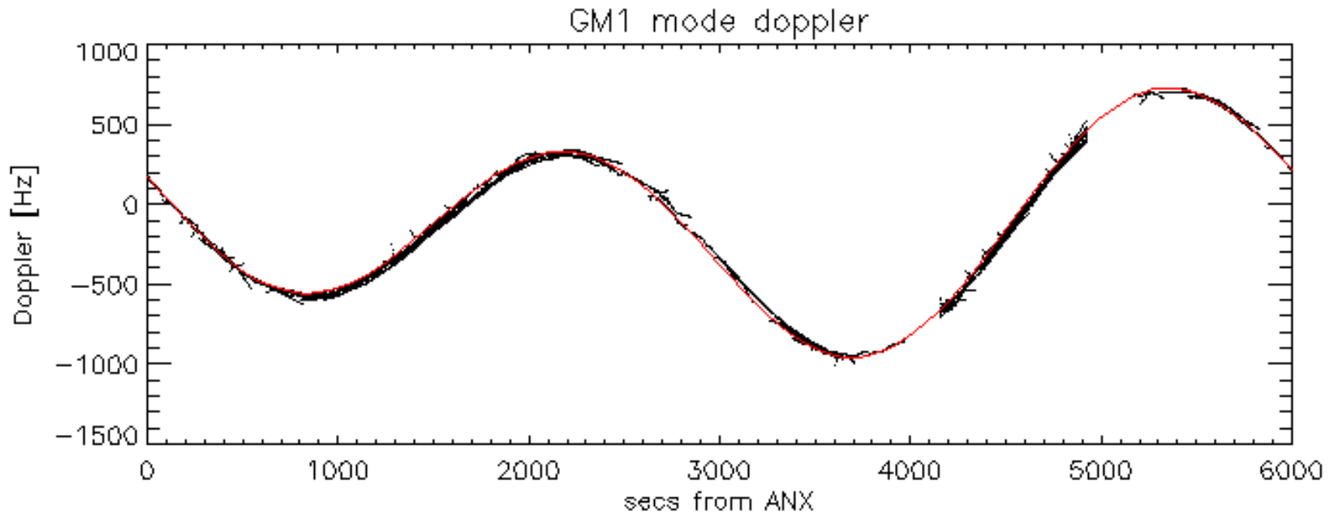
Preliminary report.The data is not yet controled

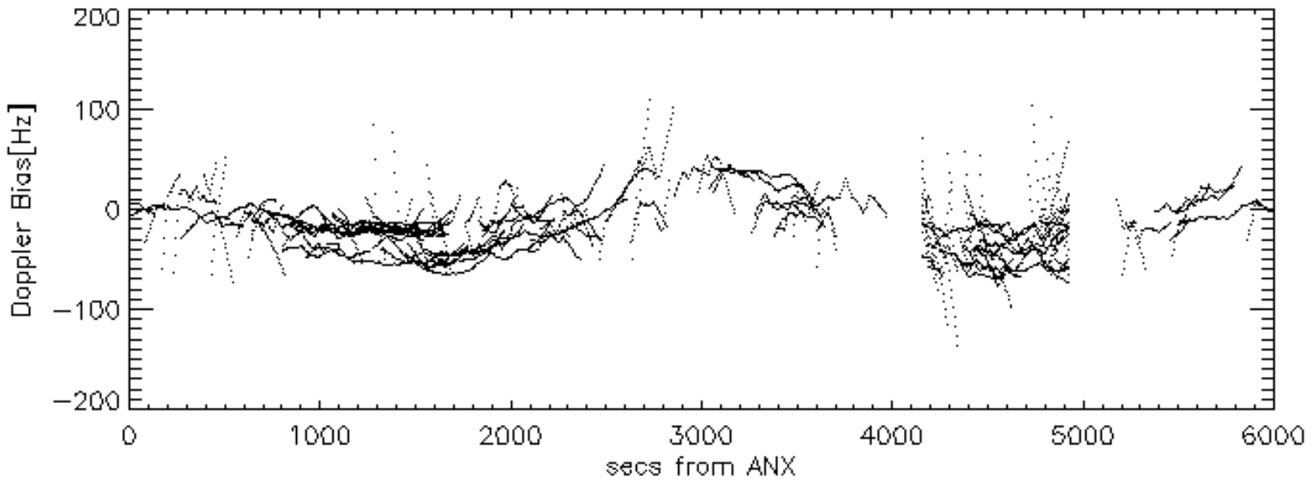

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

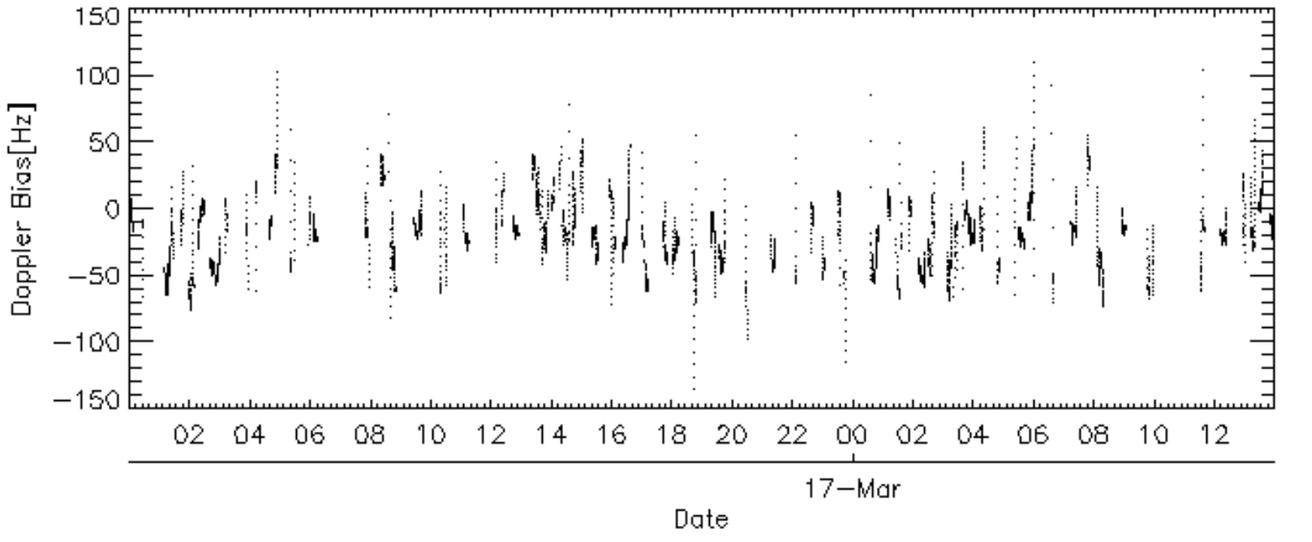

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

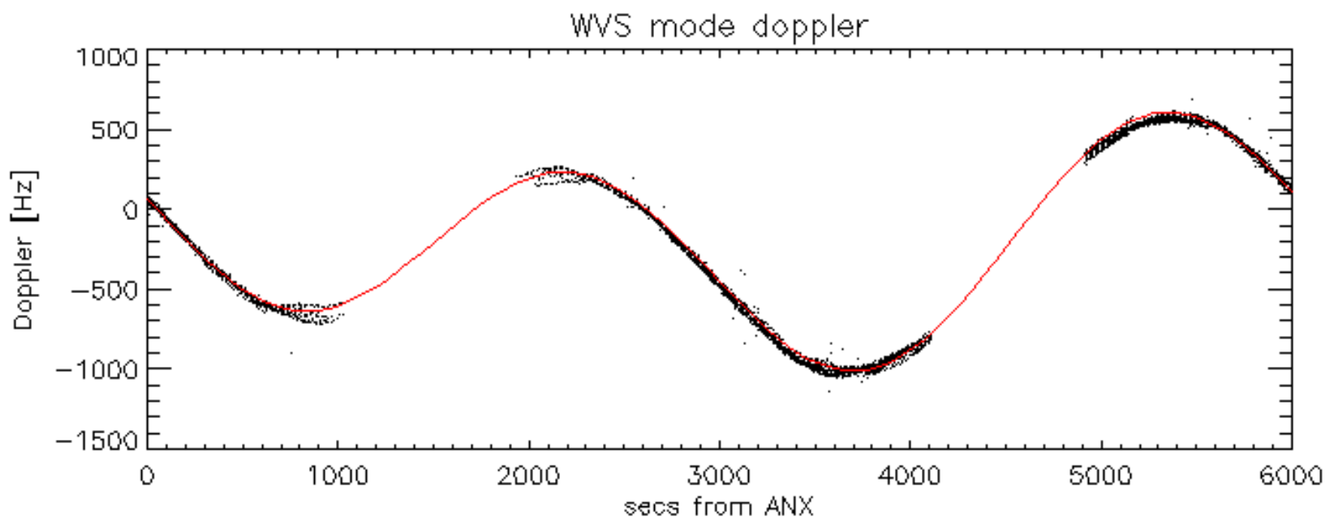

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

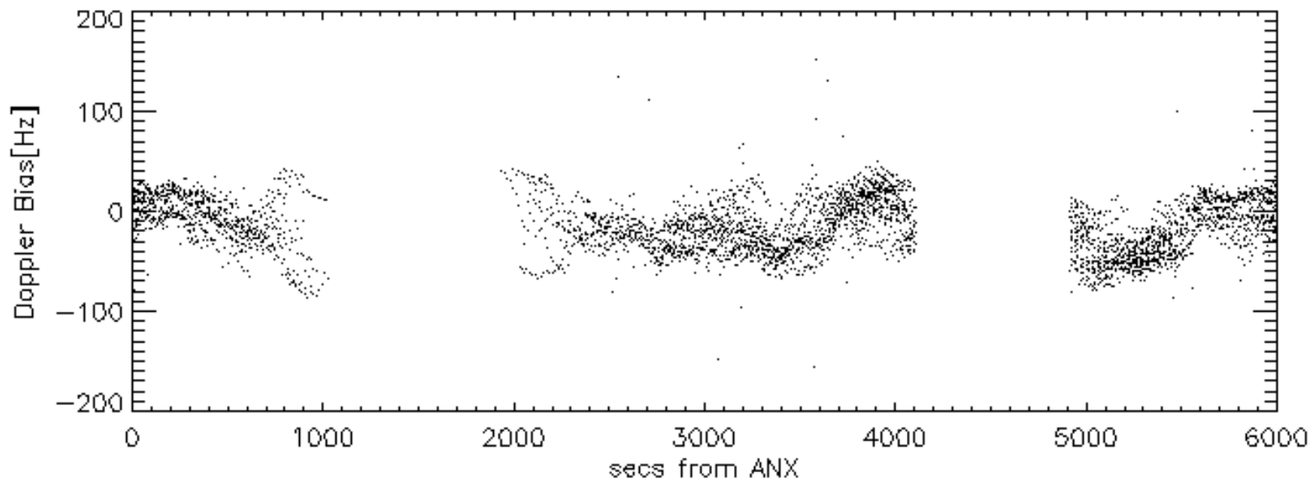

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

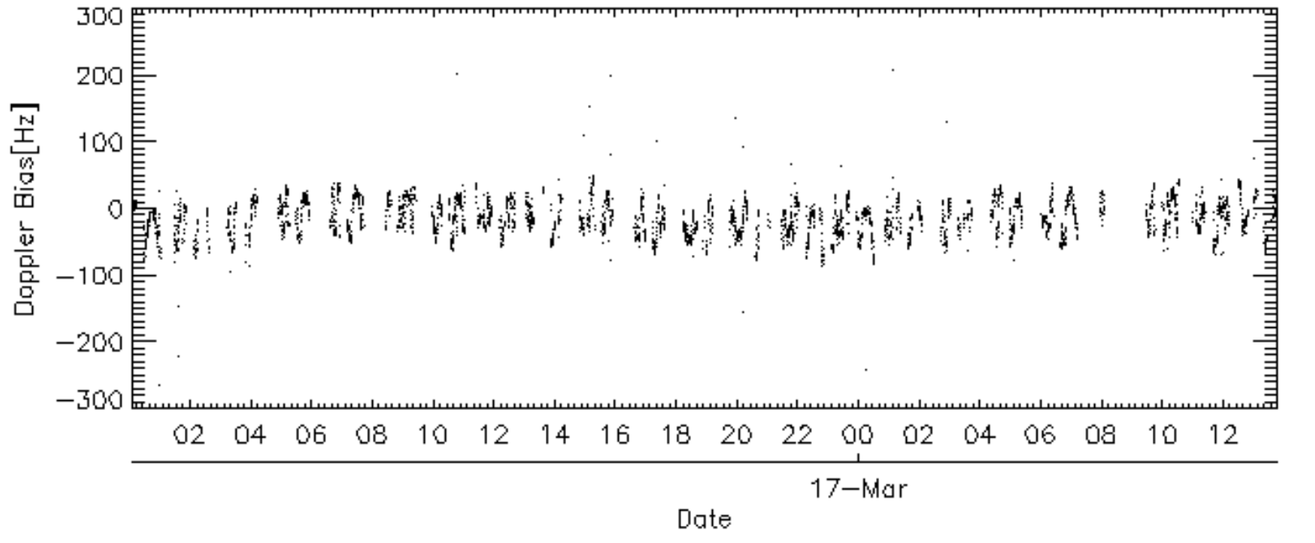

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

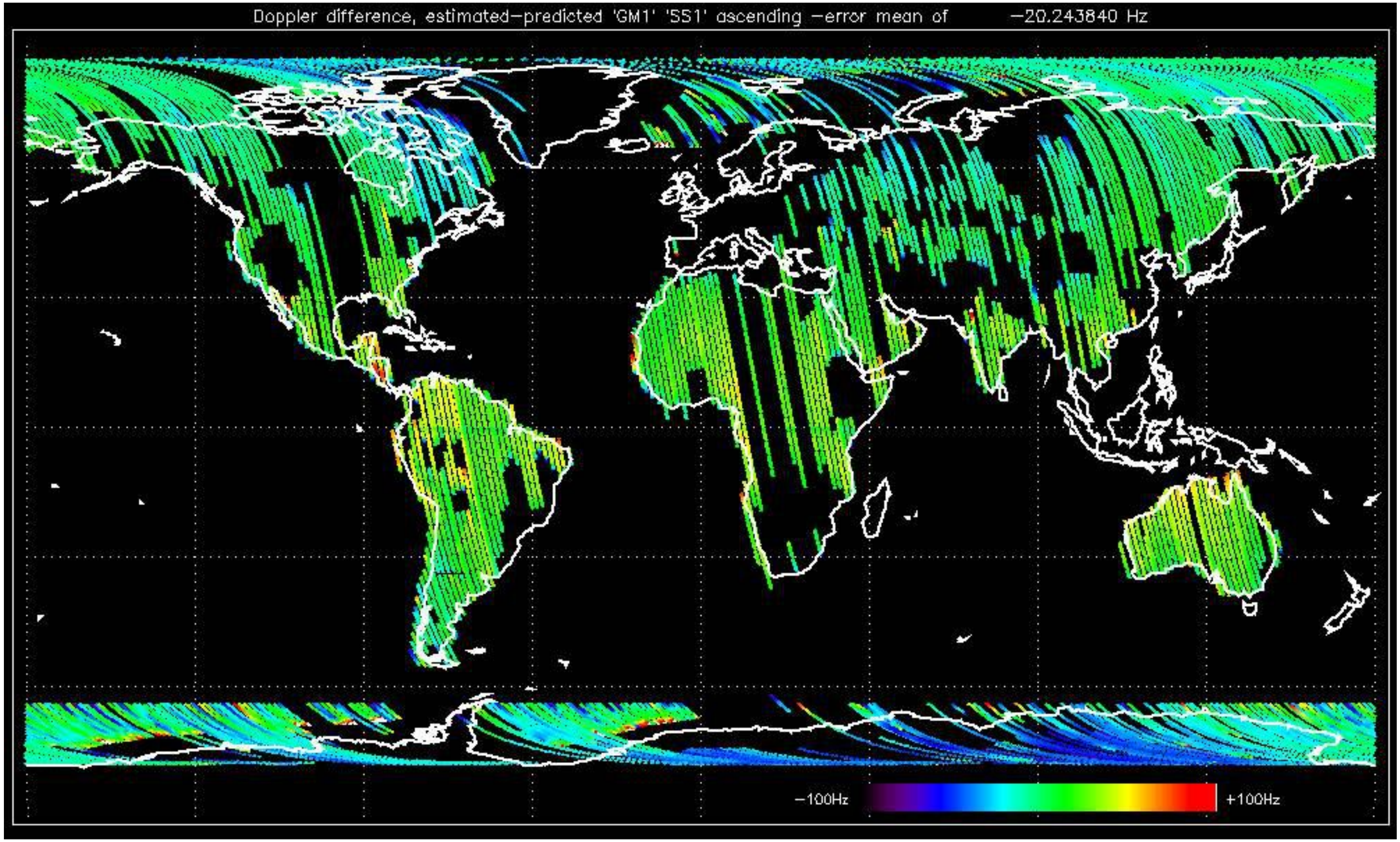

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

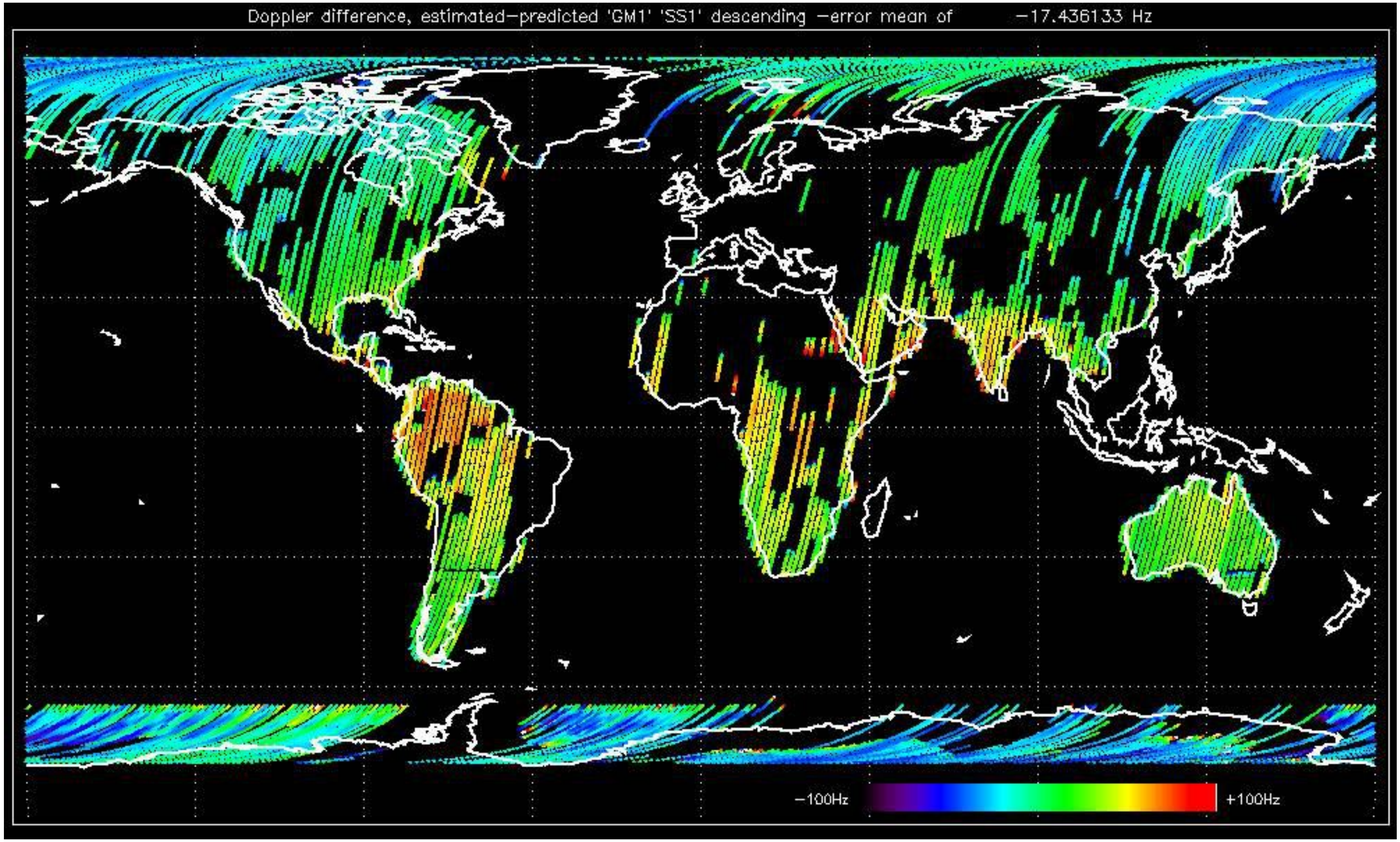

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
17−Mar
Date

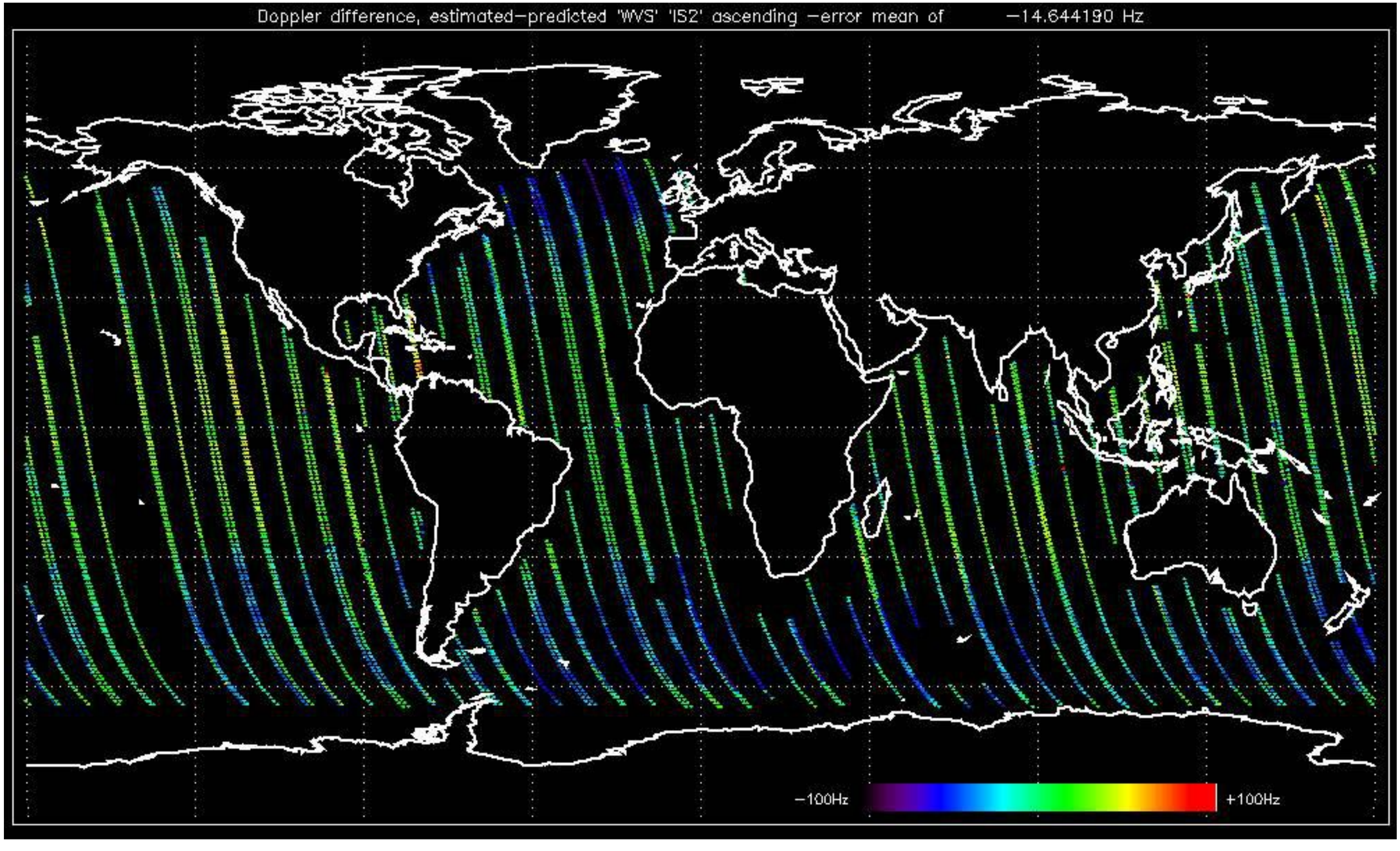

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

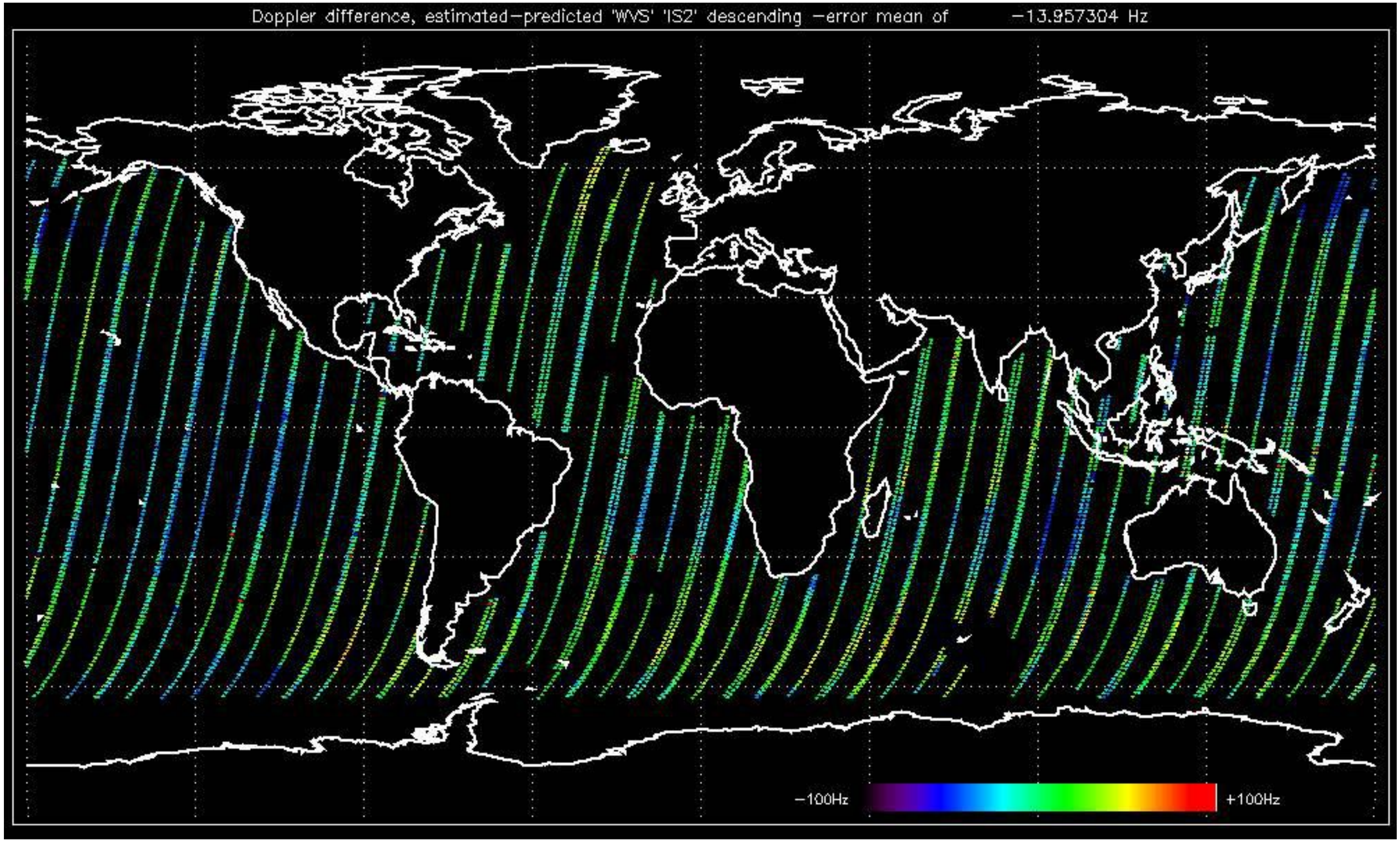

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
17−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.243840 Hz
−100Hz
+100Hz

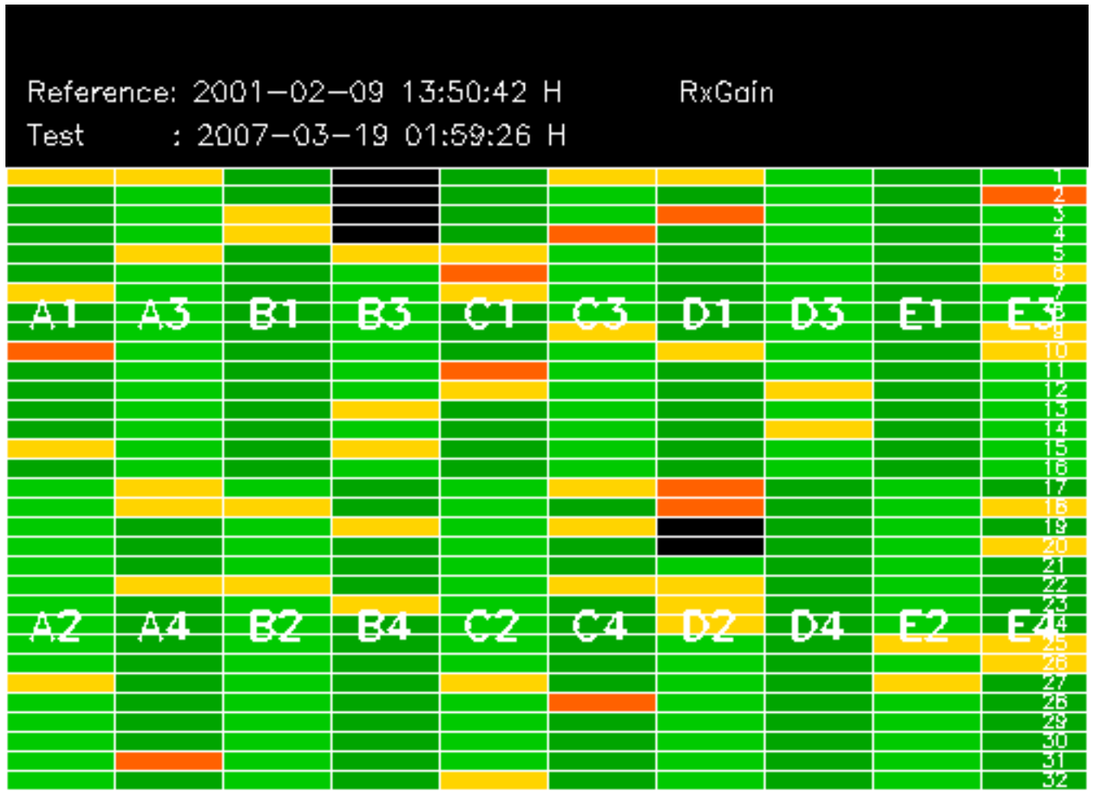

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.436133 Hz
-100Hz
+100Hz

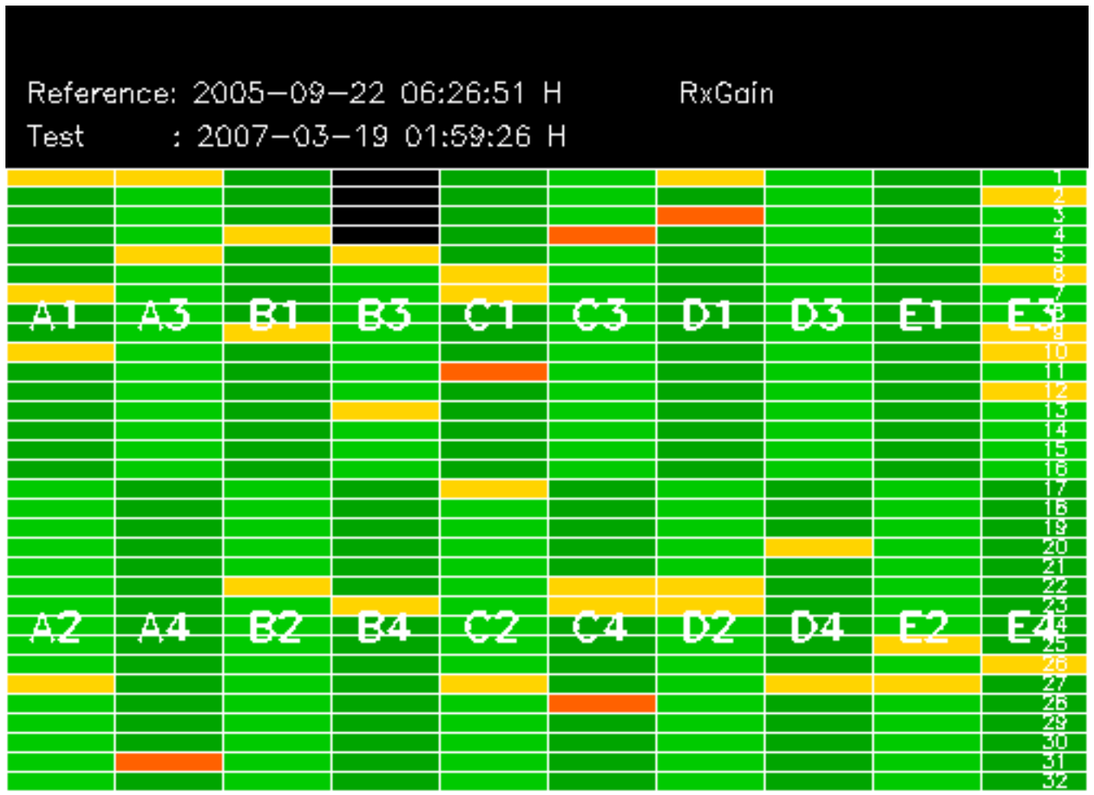

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −14.644190 Hz
−100Hz
+100Hz

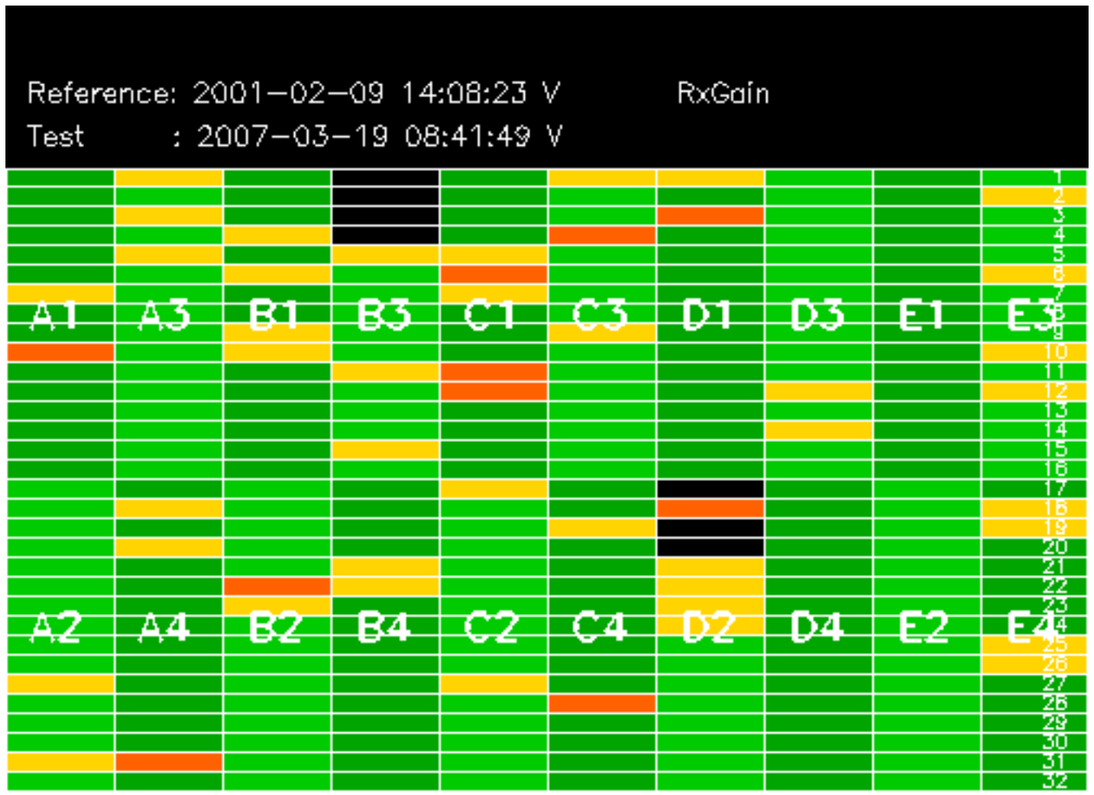

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.957304 Hz
−100Hz
+100Hz

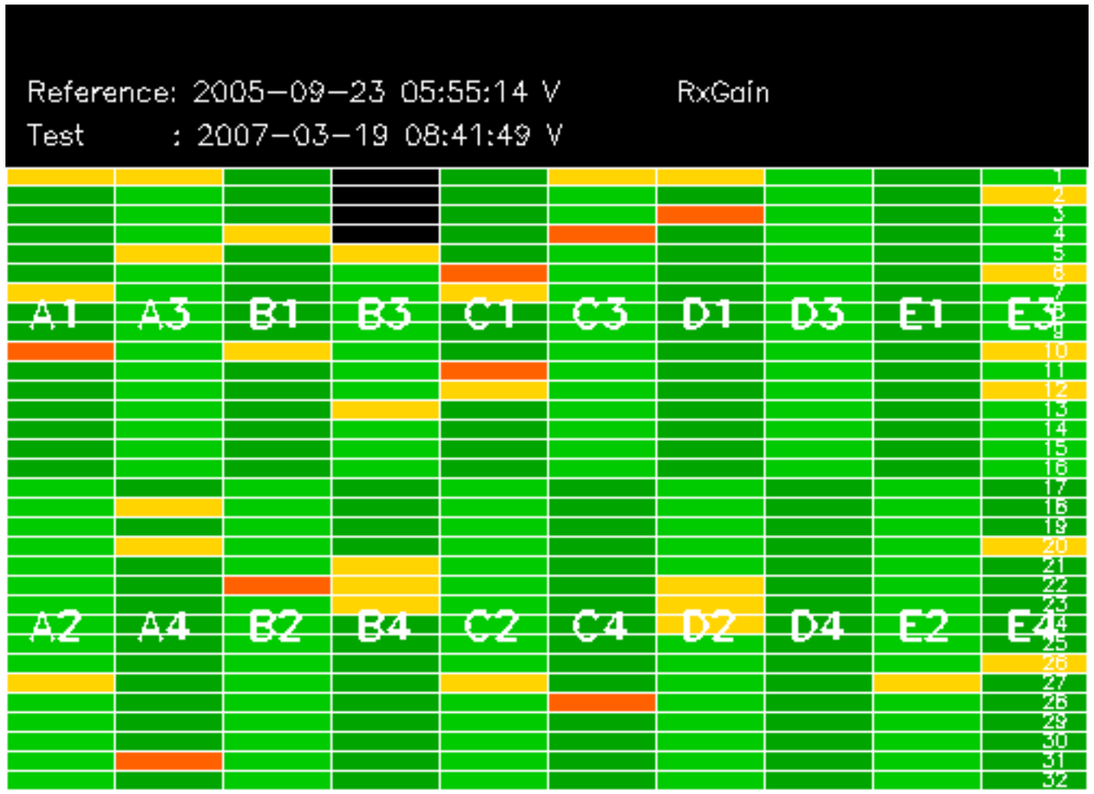
No anomalies observed on available MS products:

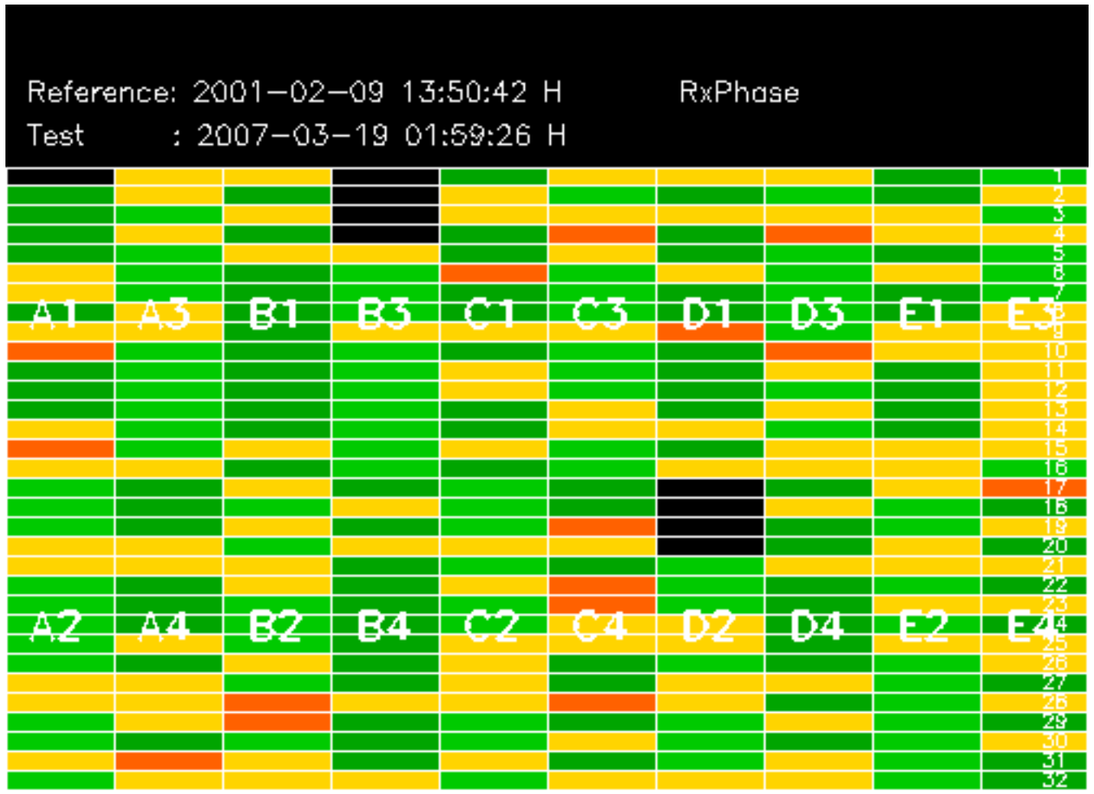
No anomalies observed.


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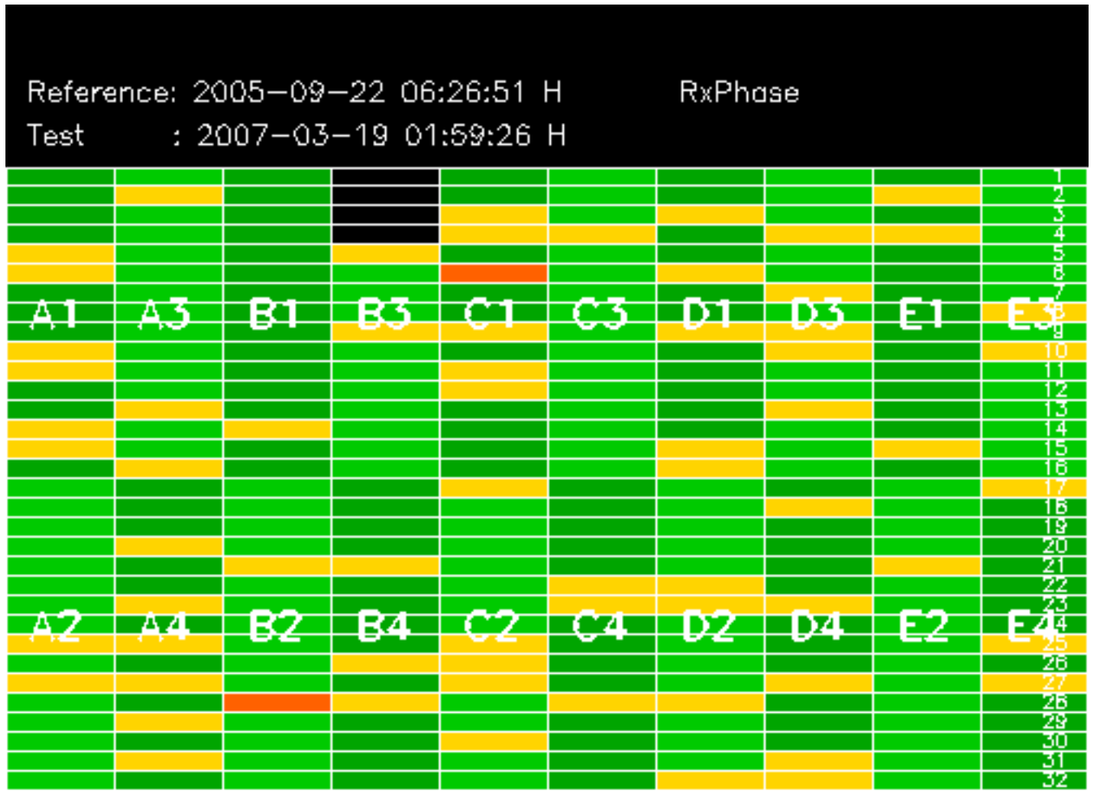
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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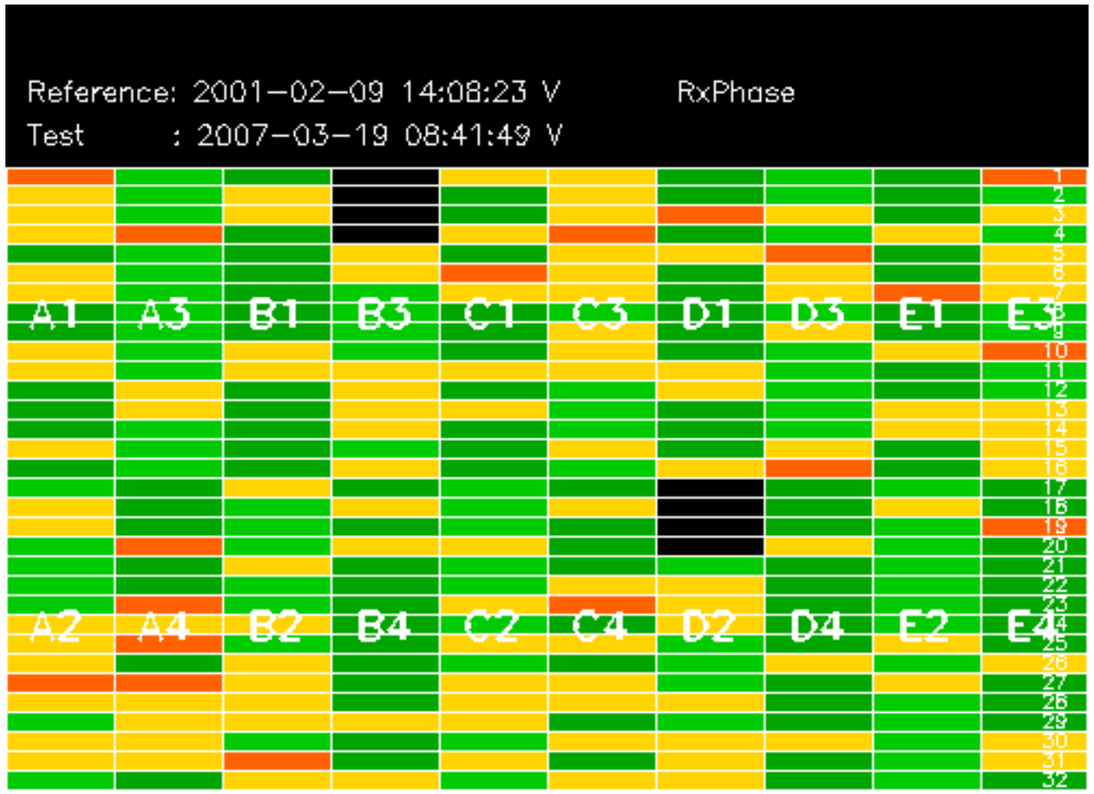
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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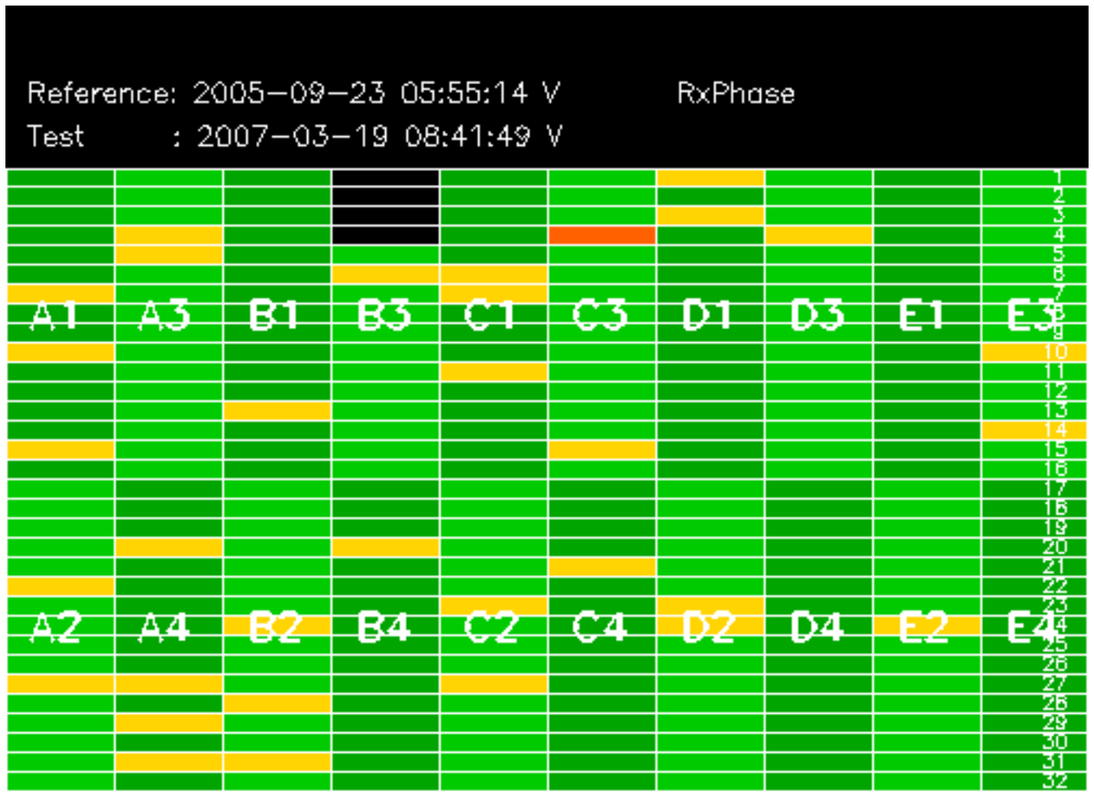
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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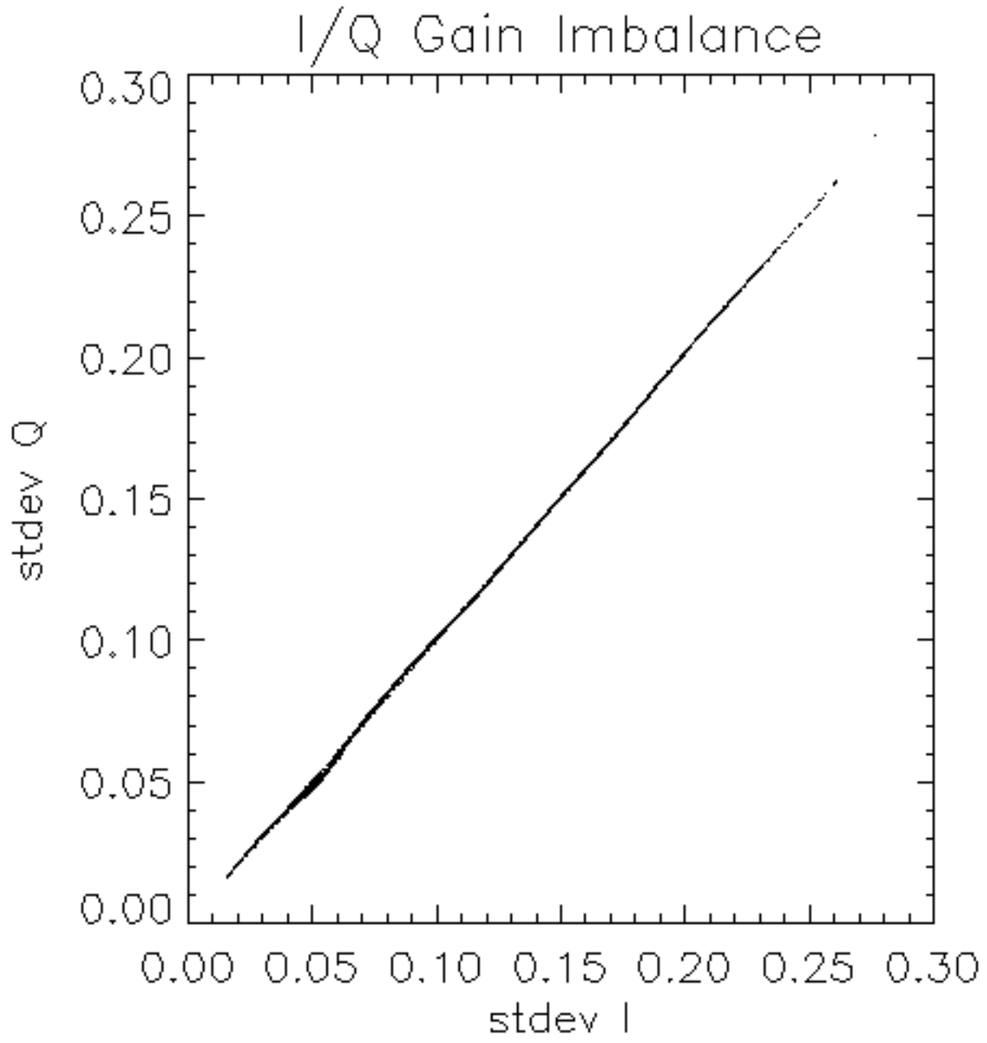
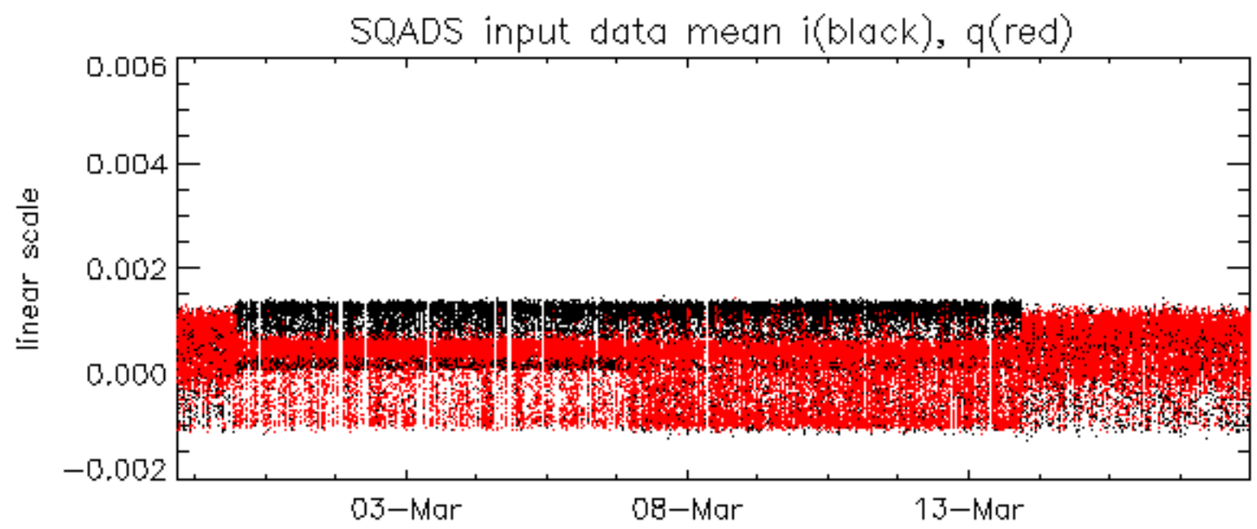
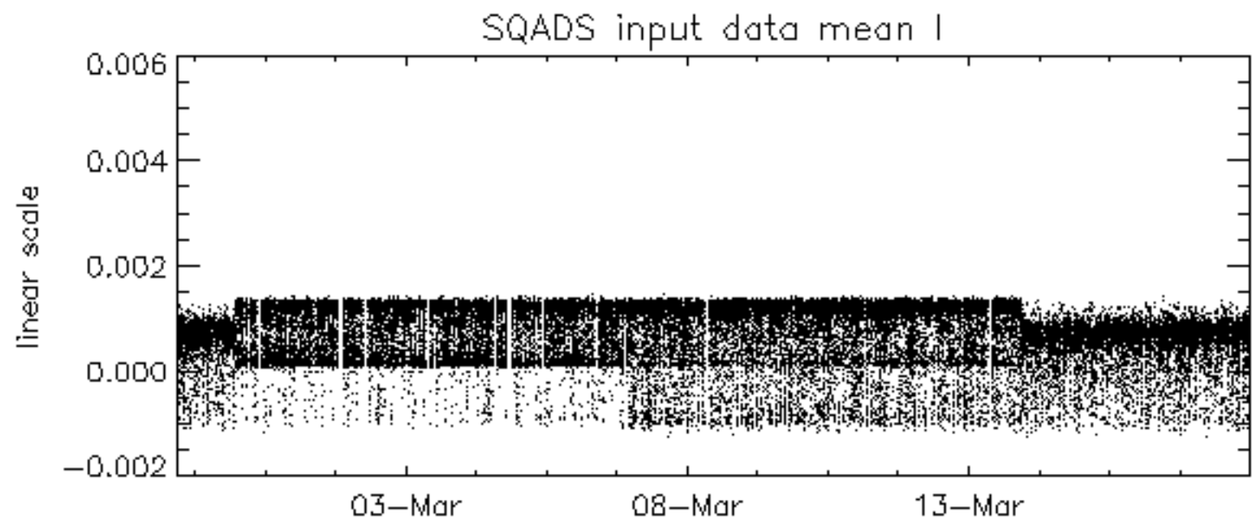
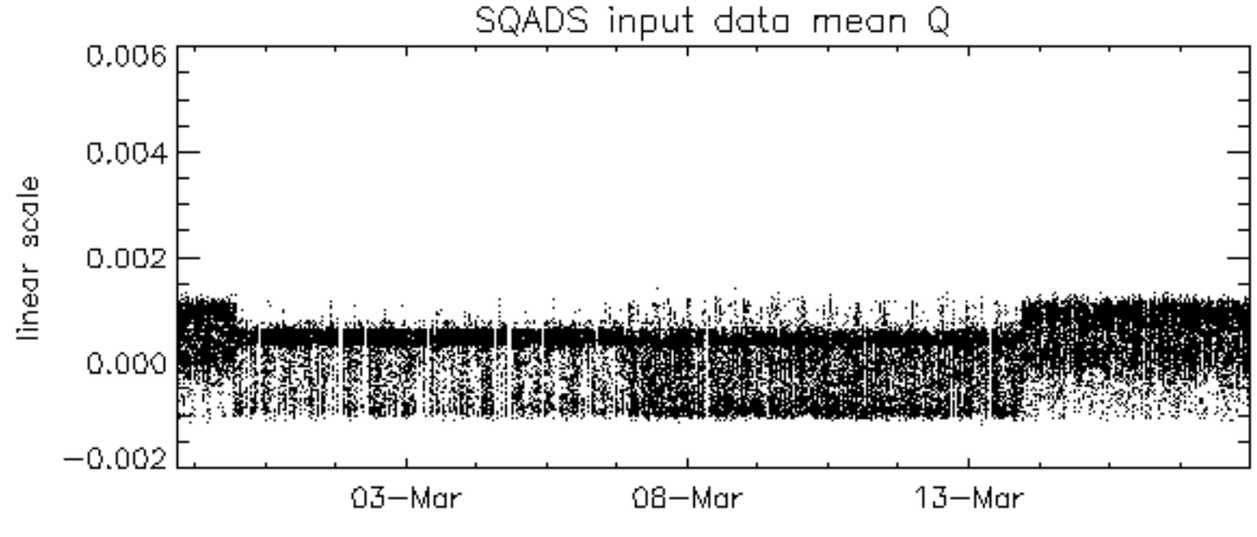
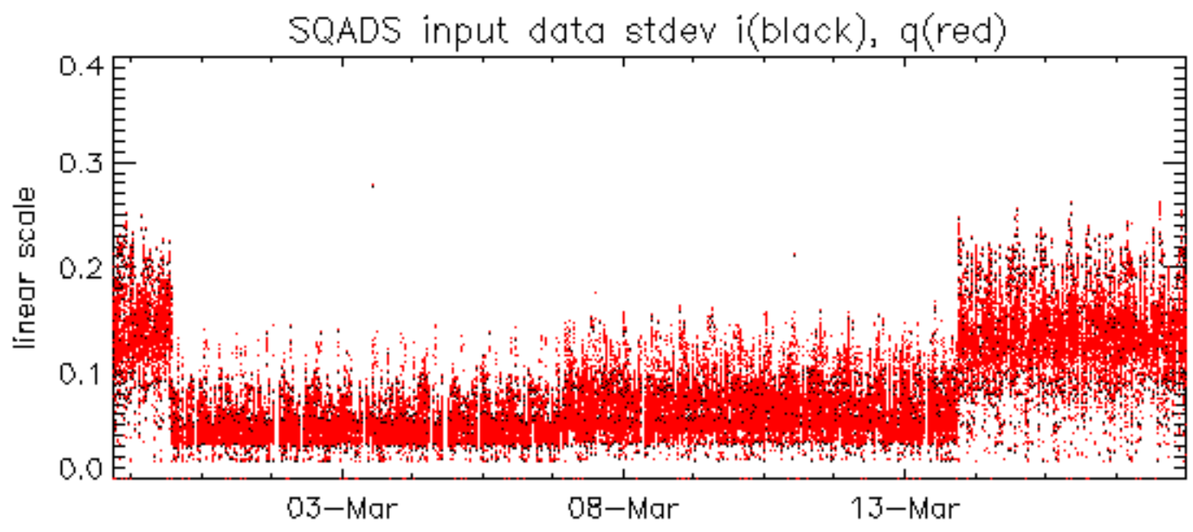
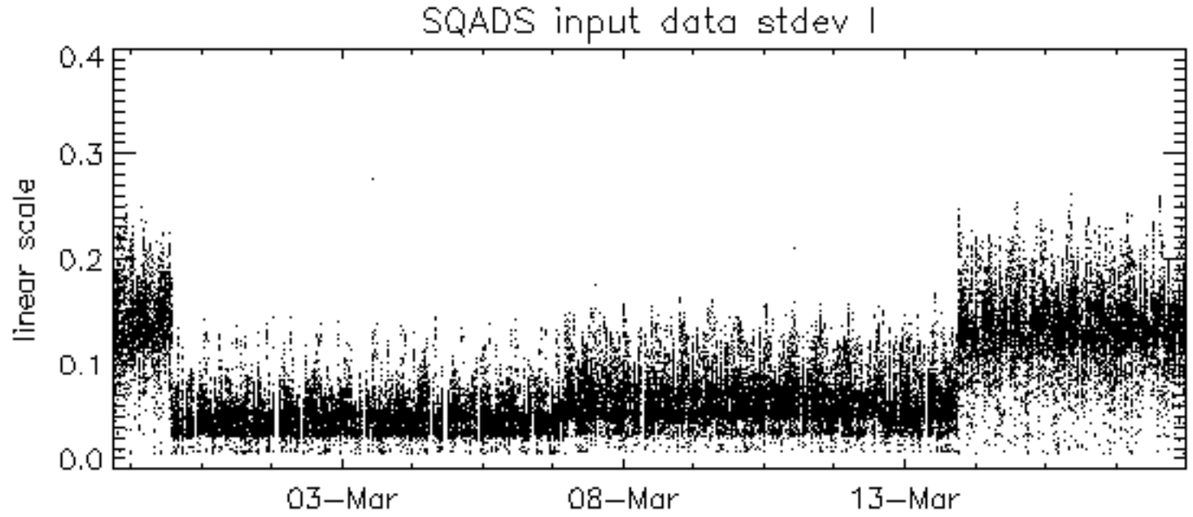

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

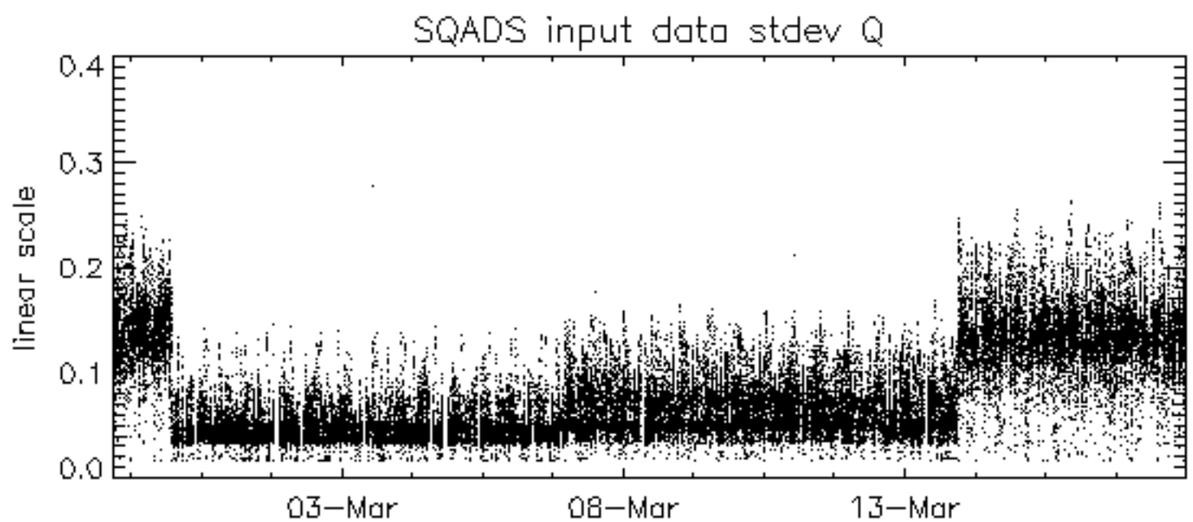

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar

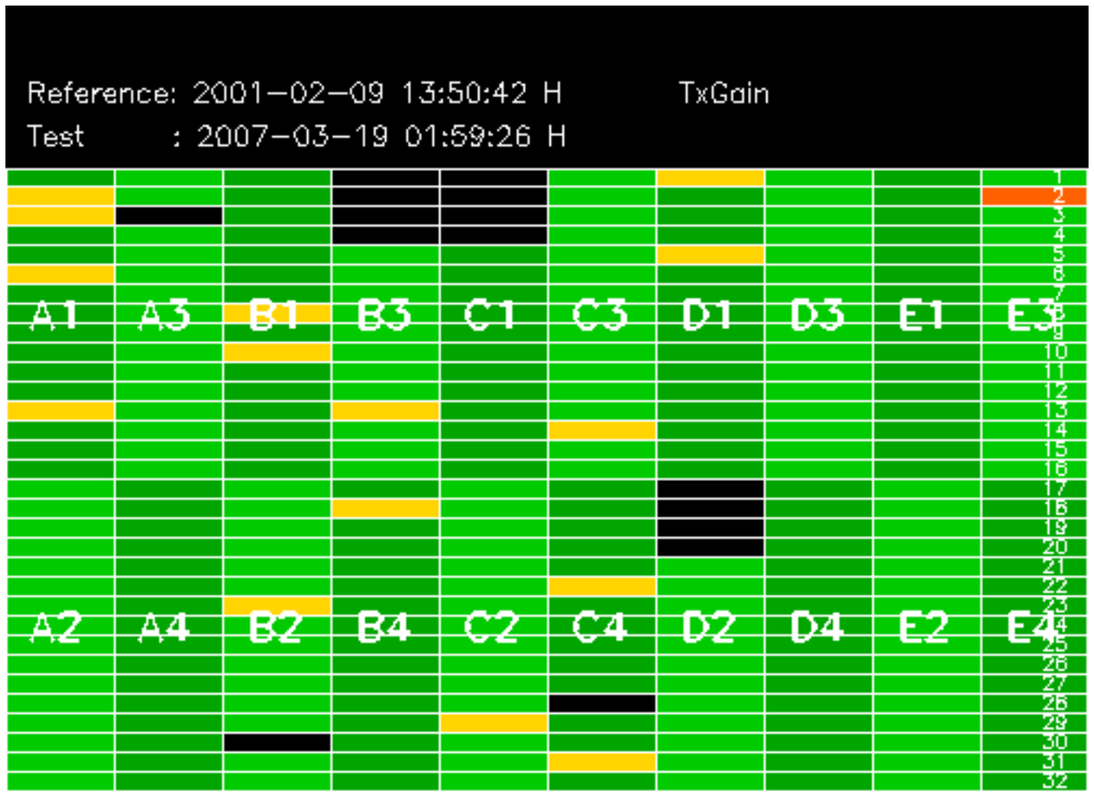

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar

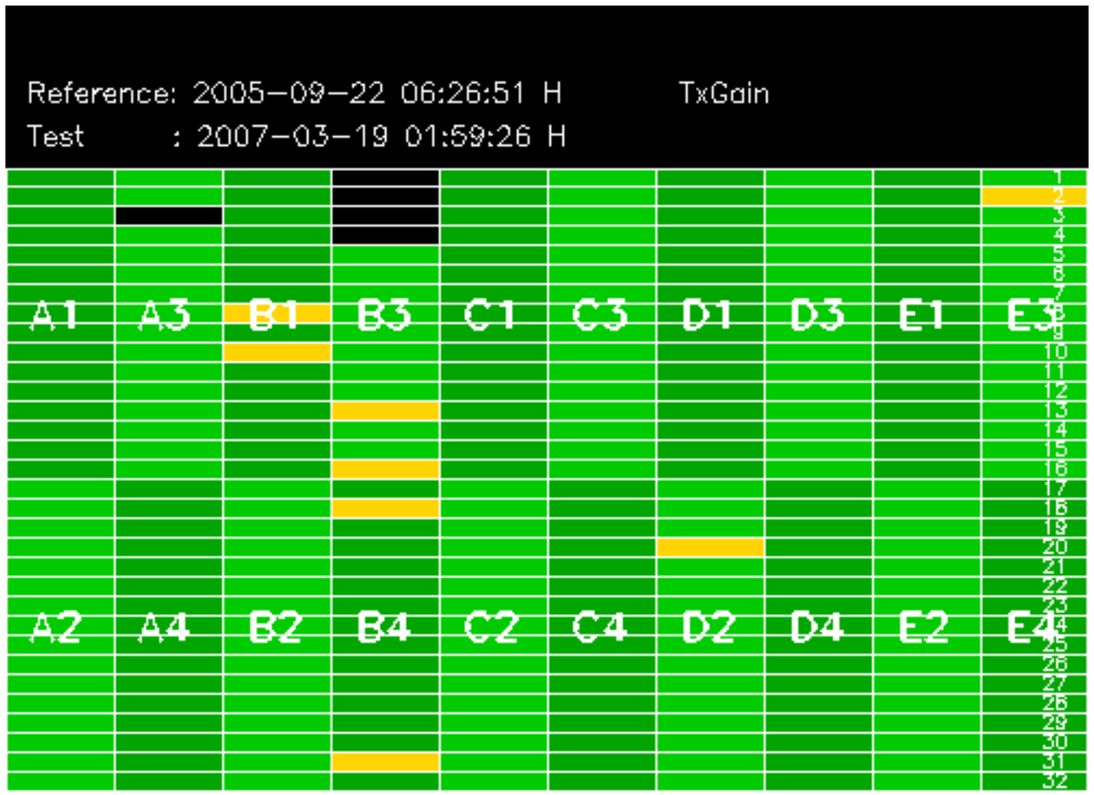

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar


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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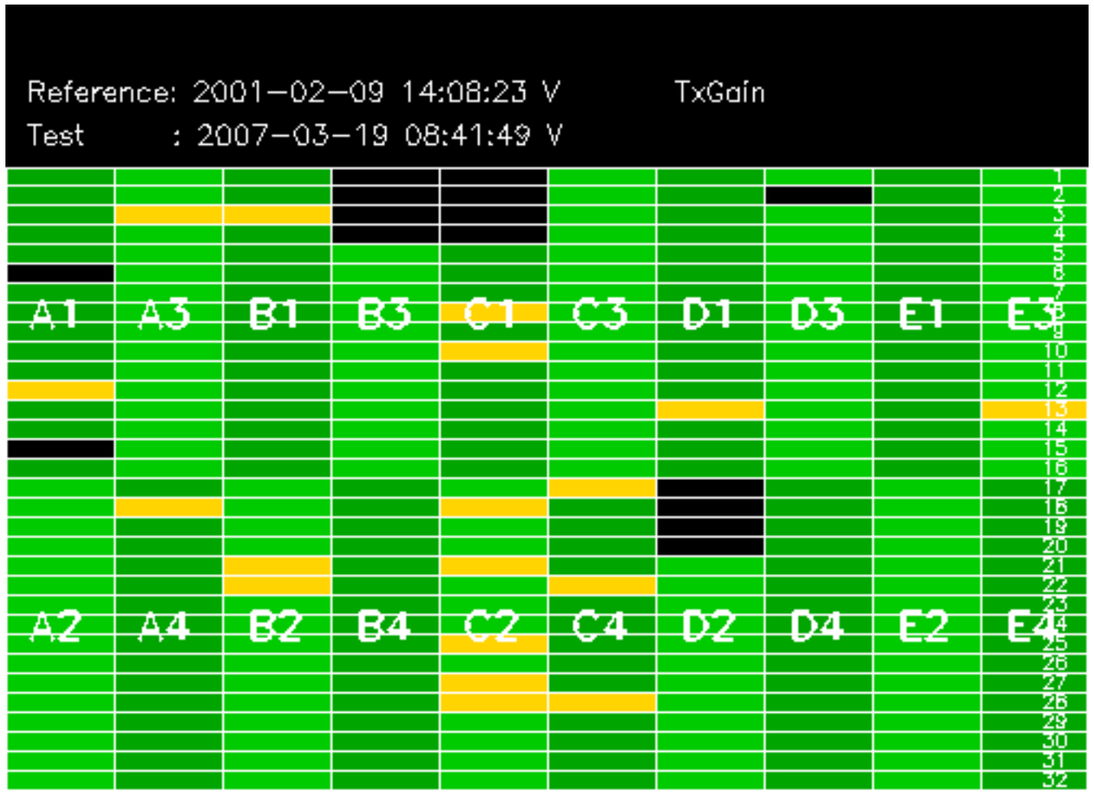
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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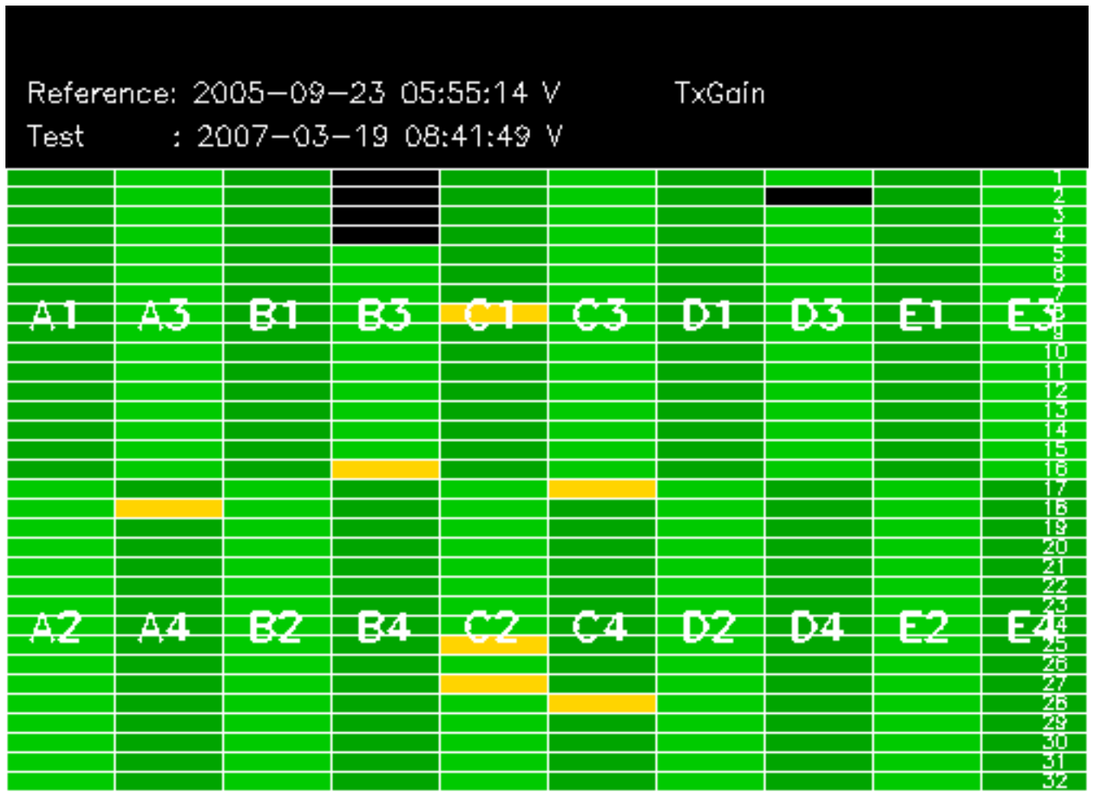
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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Summary of analysis for the last 3 days 2007031[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields 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_1PNPDE20070316_210538_000000342056_00258_26364_4589.N1 </td> <td>1 </td> <td>0 </td></tr>
<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_1PNPDK20070316_142640_000002772056_00254_26360_3264.N1 </td> <td>0 </td> <td>7 </td></tr>
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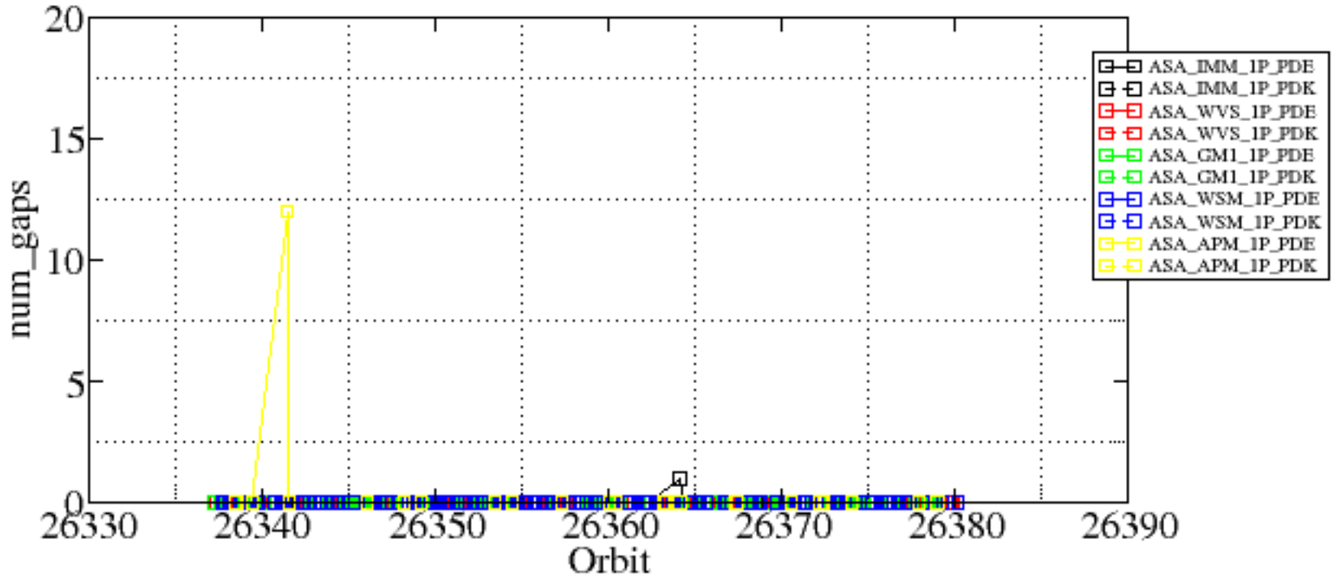
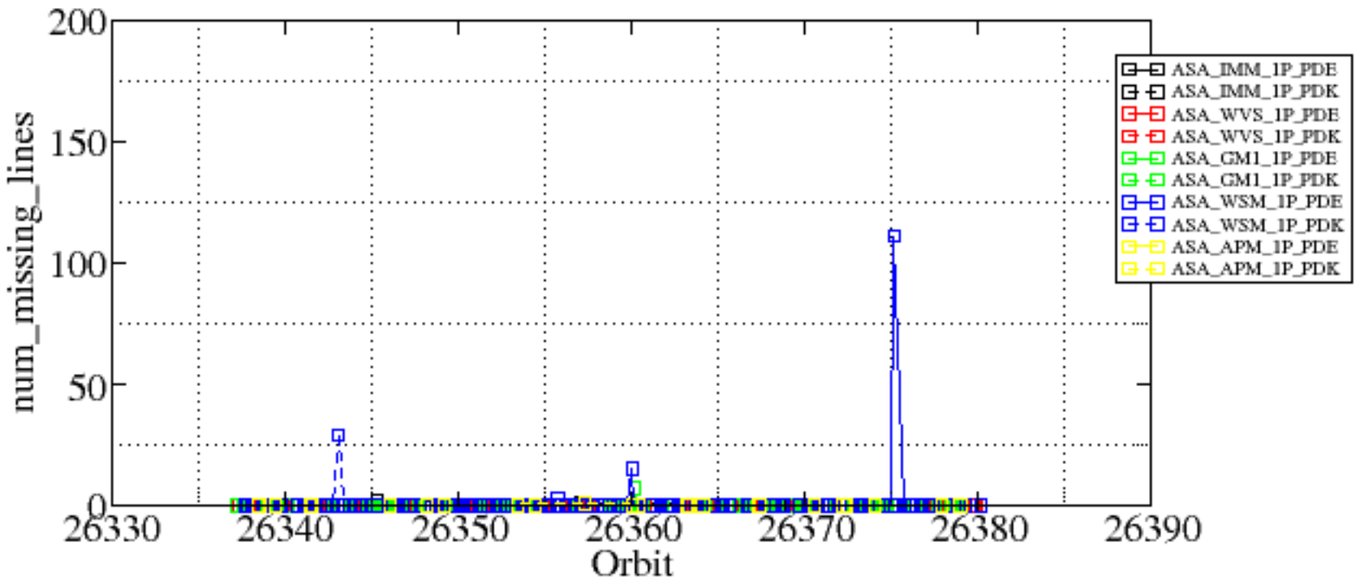
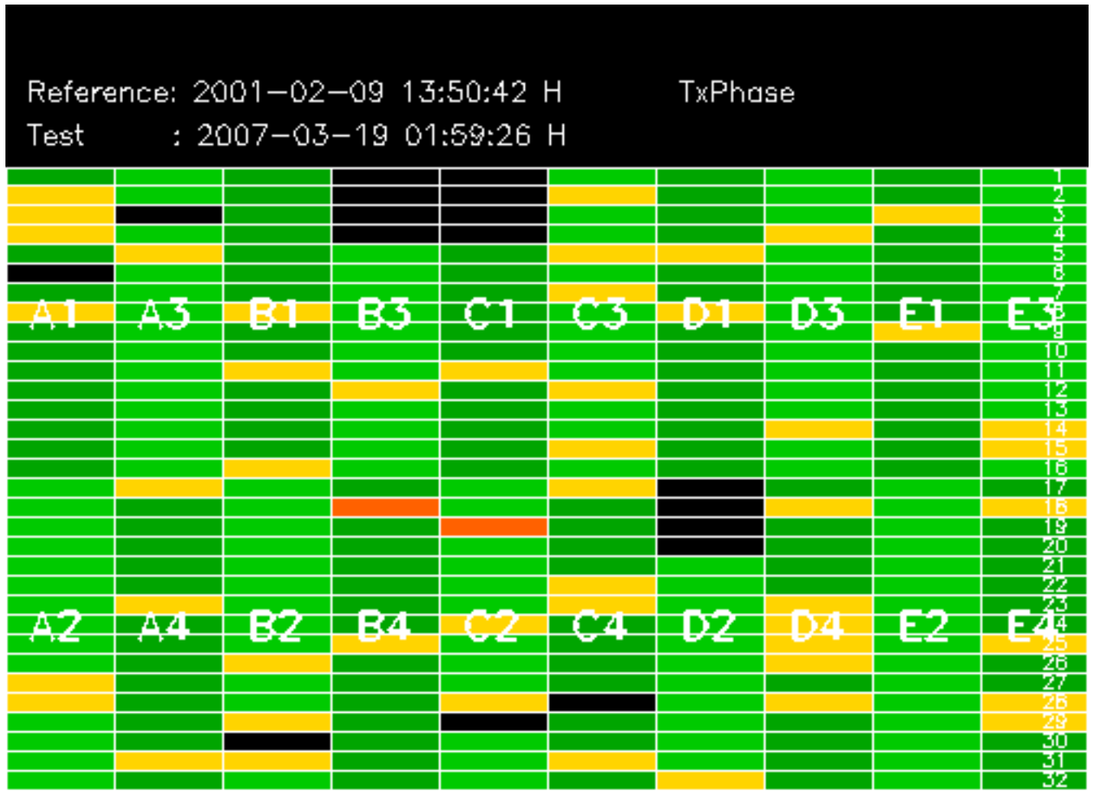
</table>


num_gaps
20
15
10
5
0
26330
26340
26350
26360
26370
26380
26390
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
200
150
100
50
0
26330
26340
26350
26360
26370
26380
26390
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
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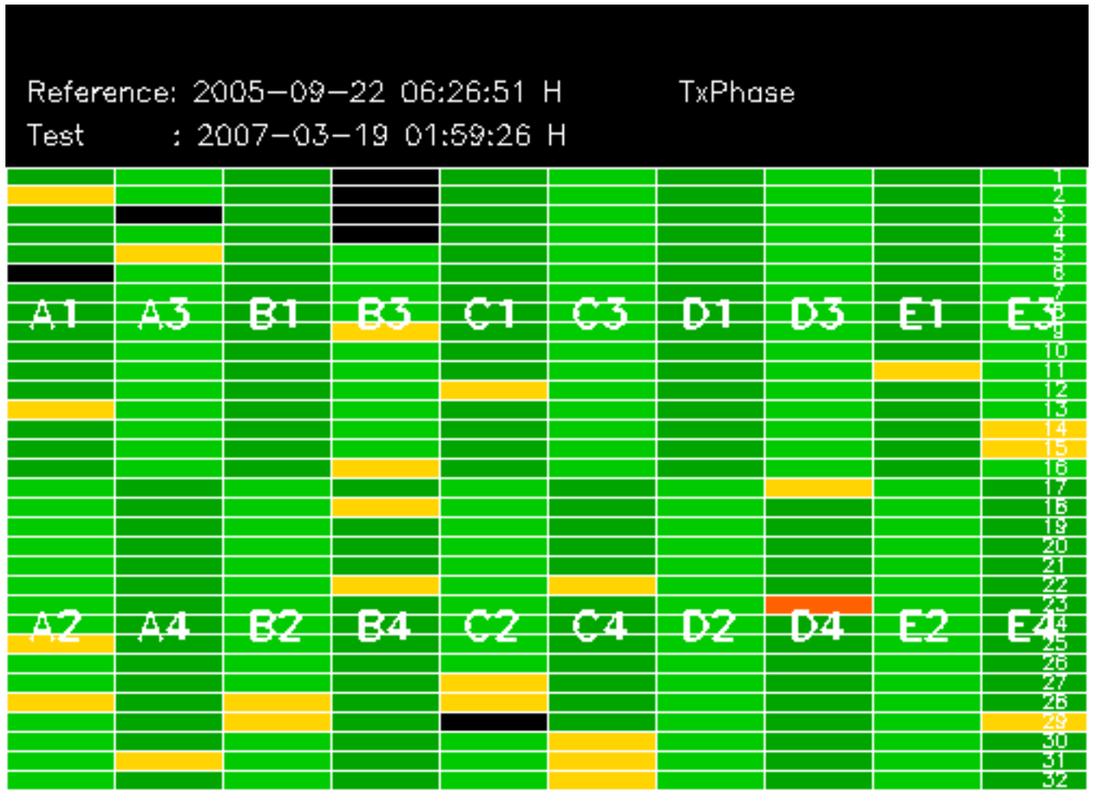
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-19 01:59:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
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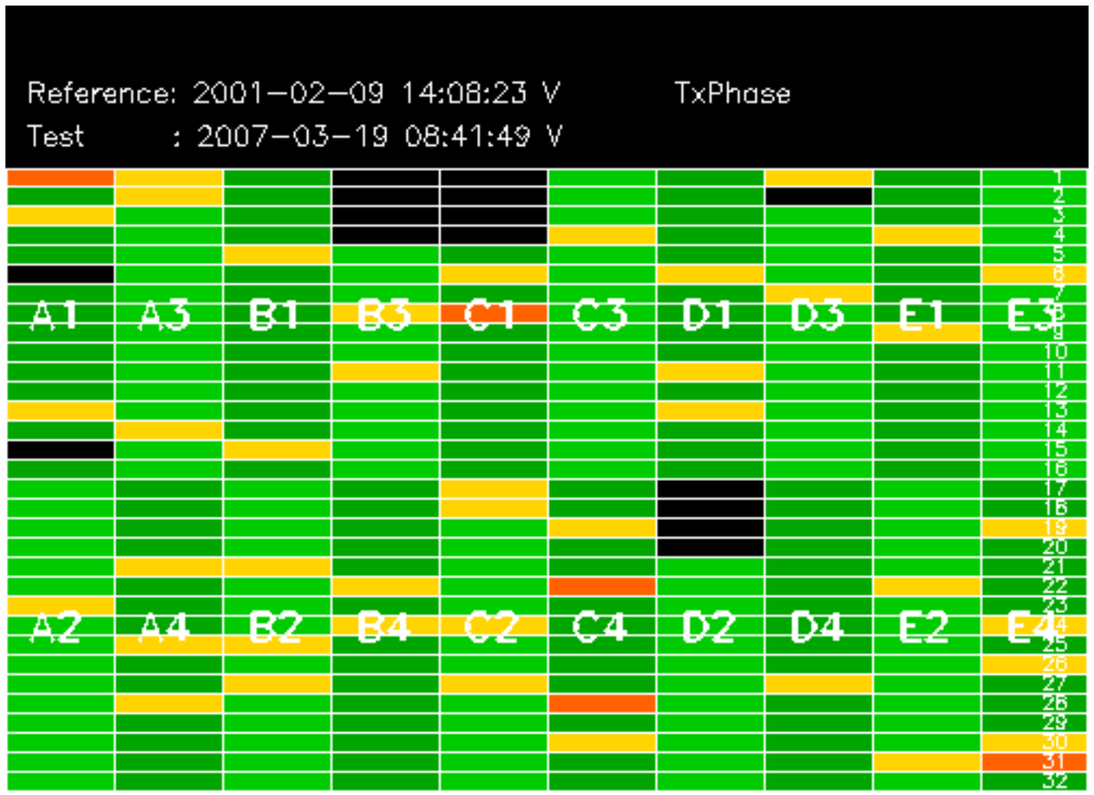
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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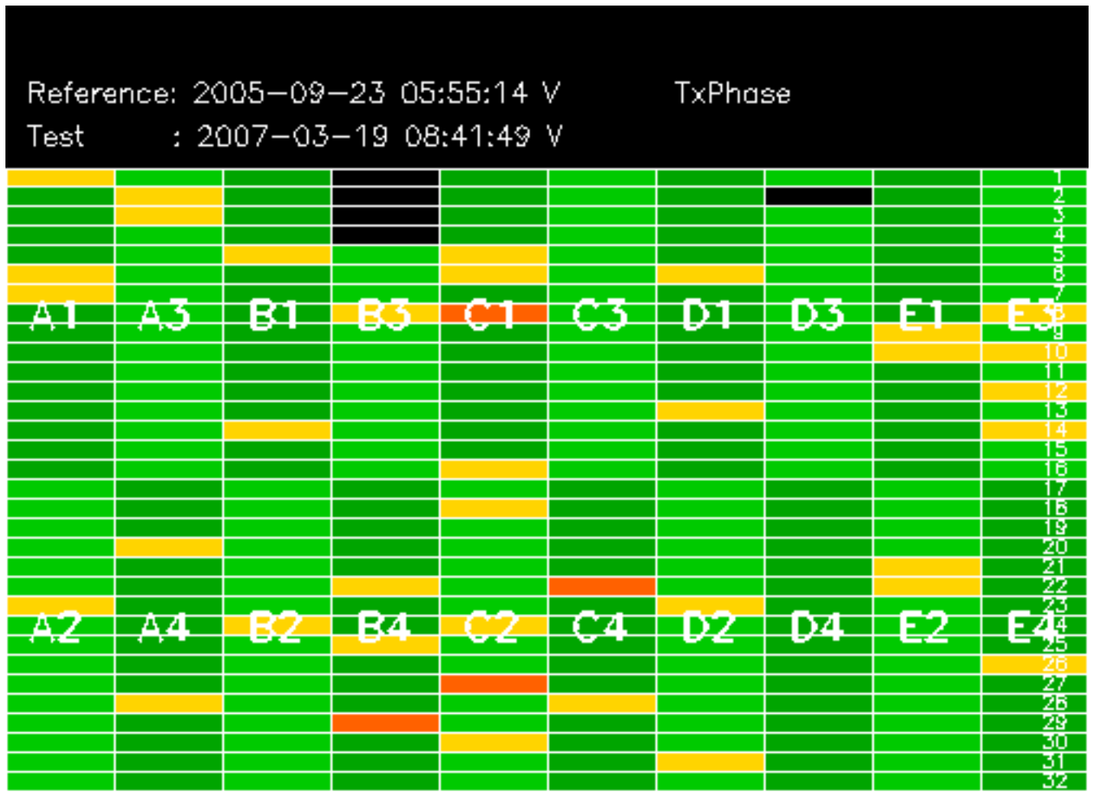
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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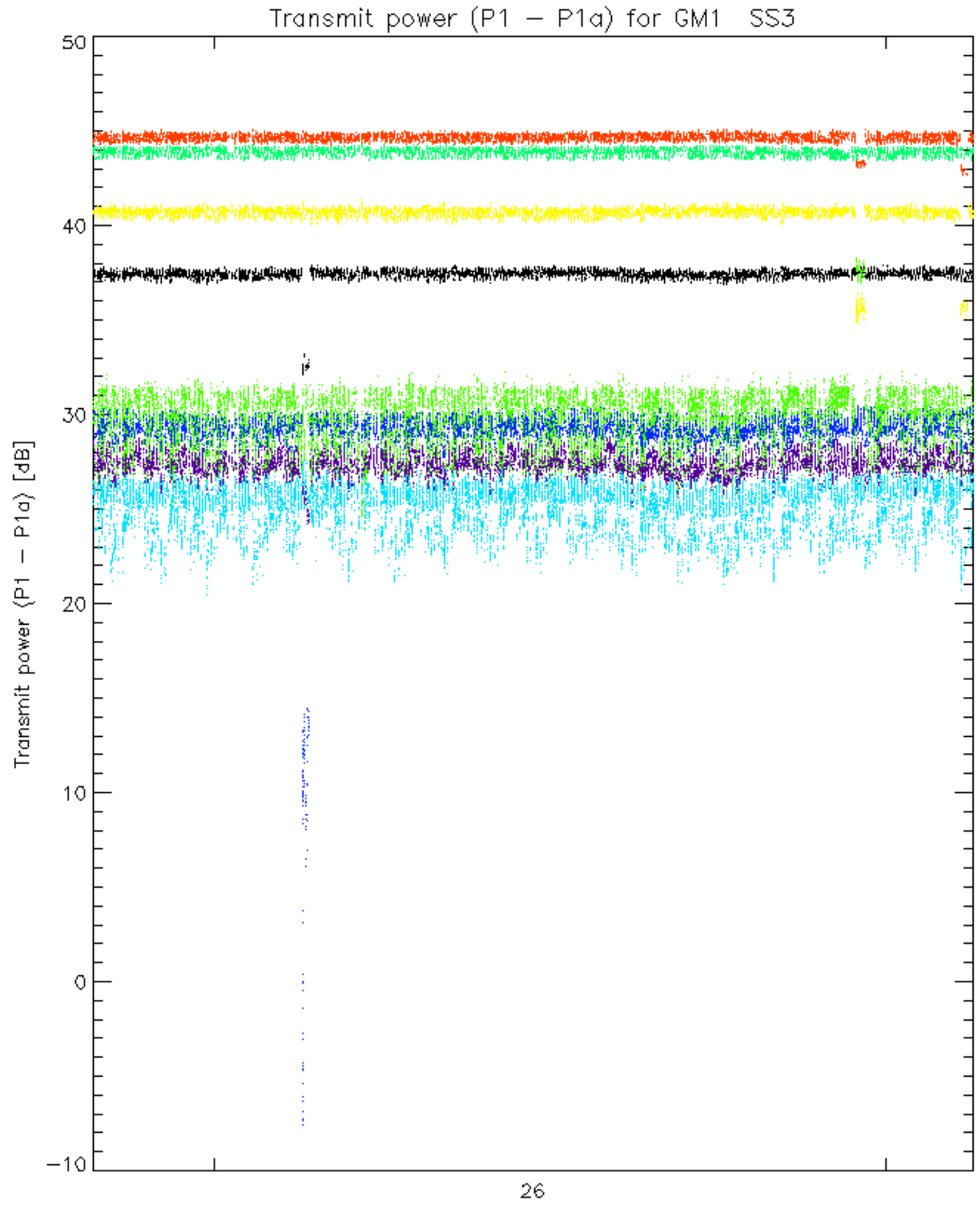
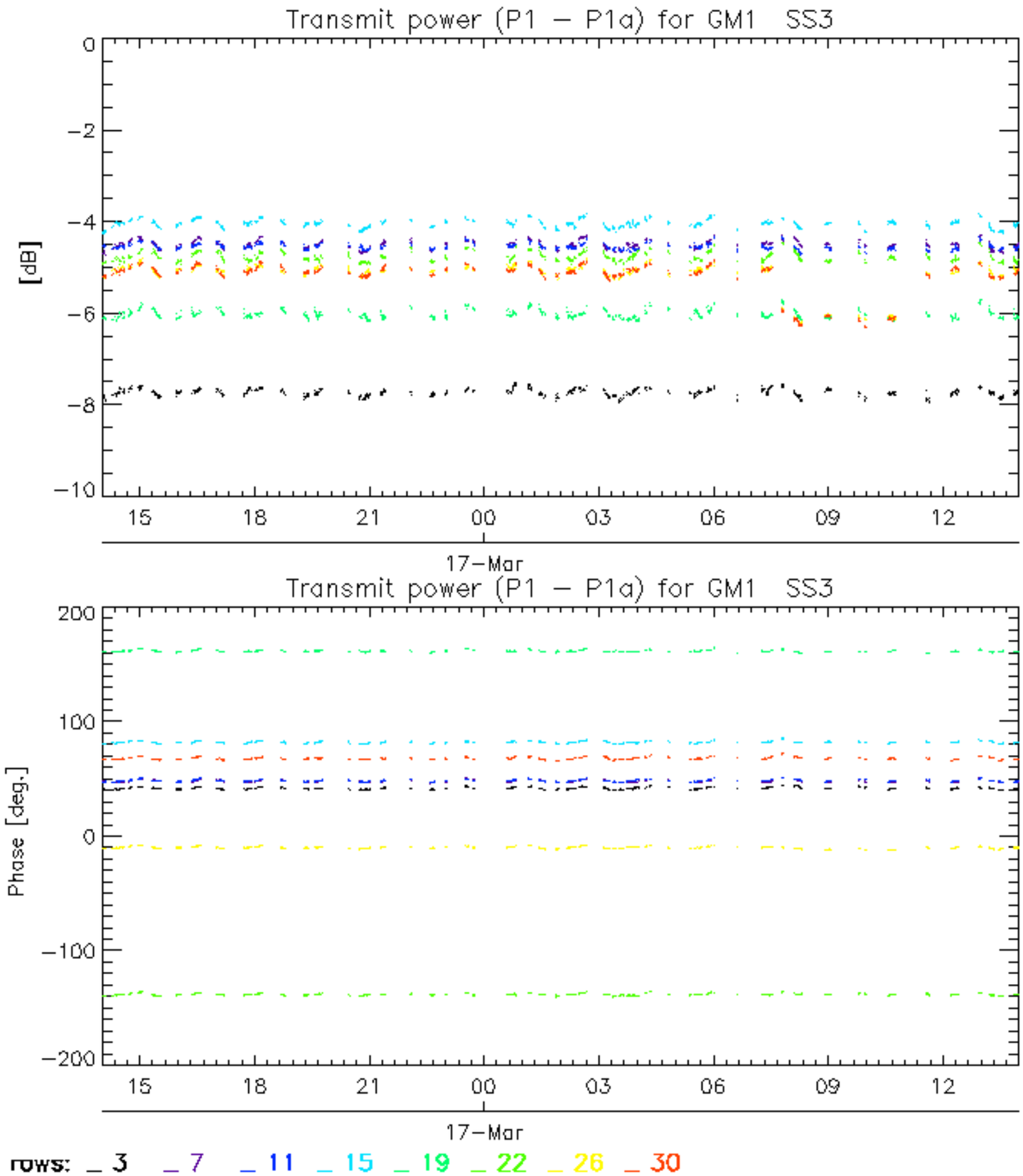
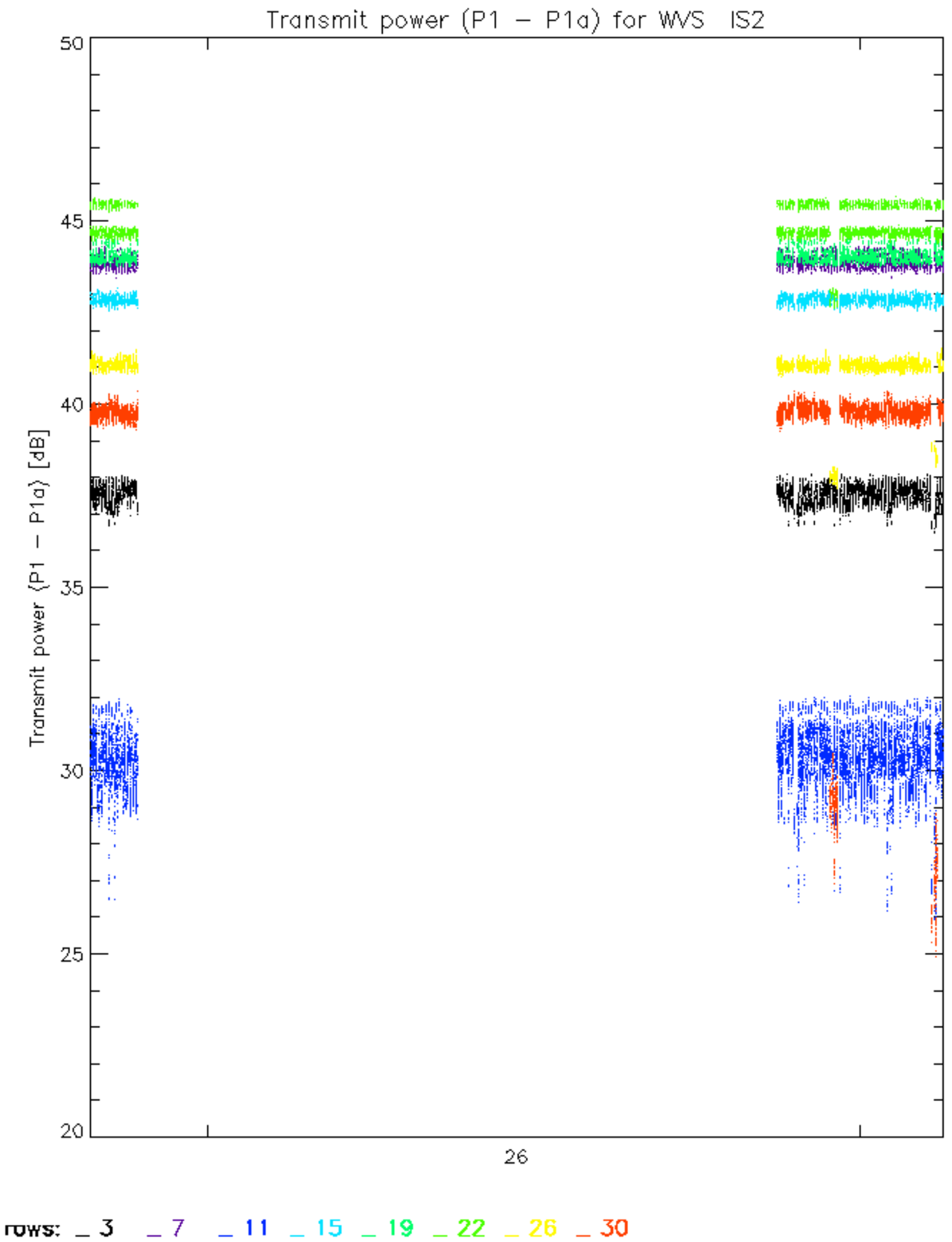
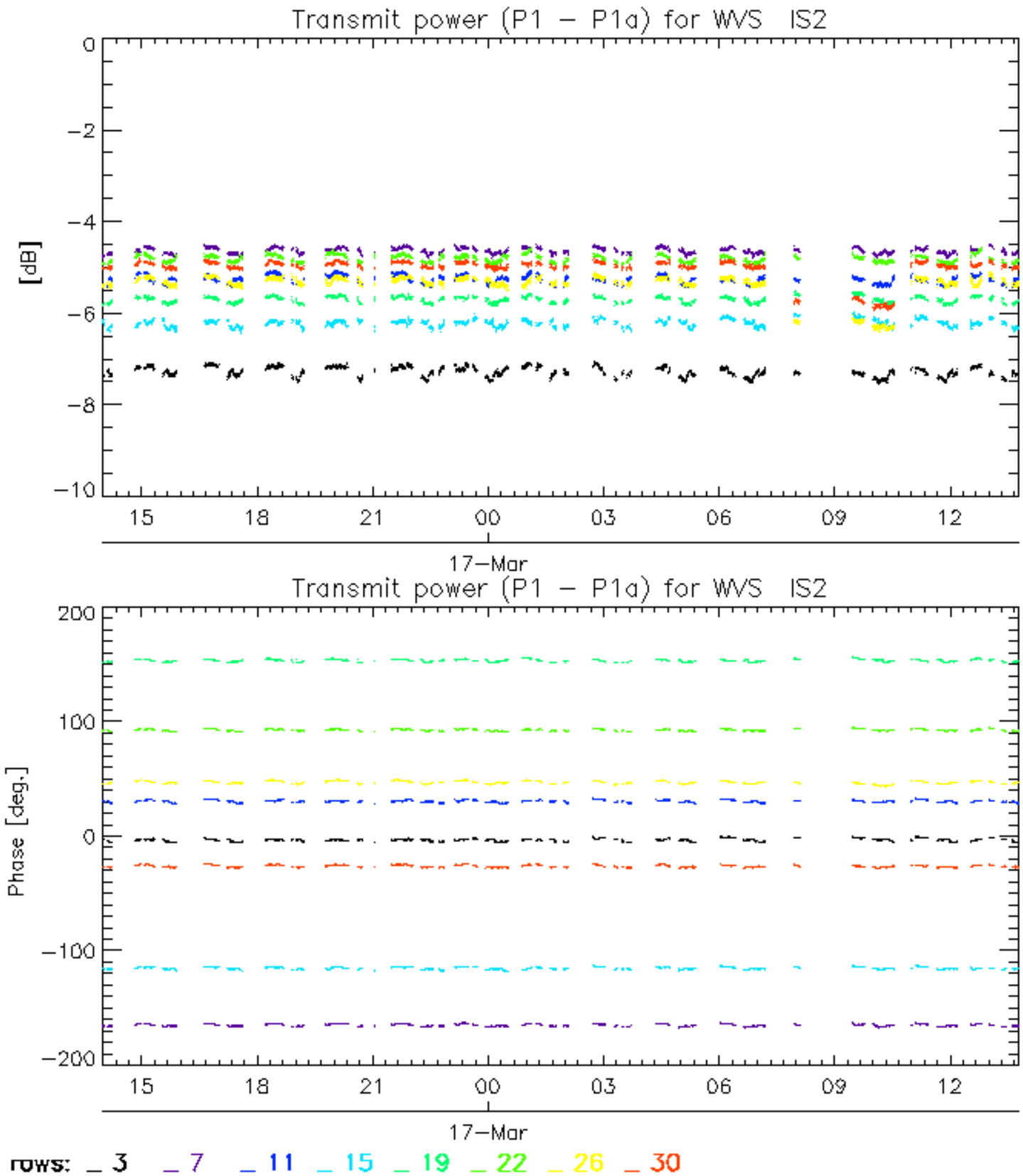
32


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
17−Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
15
18
21
00
03
06
09
12
17−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
26
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.