PRELIMINARY REPORT OF 070309

last update on Fri Mar 9 17:59:47 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 2007-03-08 00:00:00 to 2007-03-09 17:59:47

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	45	81	13	3	27
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	45	81	13	3	27
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	81	13	3	27
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	81	13	3	27

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	42	58	51	13	93
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	42	58	51	13	93
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	42	58	51	13	93
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	58	51	13	93

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	20070308 074714
H	20070309 071537

MSM in V/V polarisation

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

MSM in H/H polarisation

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

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS


P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-10.627186	0.276483	-0.656484
7	P1a	-10.164295	0.231492	0.247276
11	P1a	-10.839144	0.119471	0.233087
15	P1a	-11.924200	1.652159	1.580090
19	P1a	-14.909368	1.162205	-1.375376
22	P1a	-18.990627	7.938072	-3.258996
26	P1a	-15.561120	0.497982	0.320727
30	P1a	-20.588585	7.429546	3.302822

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.382817	0.089587	-0.283771
7	P1	-2.619865	0.055214	0.098936
11	P1	-3.330359	0.160735	0.477836
15	P1	-4.858793	1.493251	1.507195
19	P1	-3.387788	0.097905	-0.426708
22	P1	-5.414558	0.162731	0.456199
26	P1	-5.259355	0.769127	-1.138837
30	P1	-5.473699	0.068189	0.245563

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.083414	0.090589	0.035255
7	P2	-21.827444	0.126255	-0.242357
11	P2	-10.771824	0.135847	-0.381277
15	P2	-5.097342	0.082163	-0.113163
19	P2	-7.222886	0.080961	-0.061926
22	P2	-8.363825	0.080749	0.064014

26	P2	-24.137943	0.127519	-0.415518
30	P2	-21.652735	0.067606	0.048386

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.229982	0.007980	-0.045778
7	P3	-8.229982	0.007980	-0.045778
11	P3	-8.229982	0.007980	-0.045778
15	P3	-8.229982	0.007980	-0.045778
19	P3	-8.229982	0.007980	-0.045778
22	P3	-8.229982	0.007980	-0.045778
26	P3	-8.229982	0.007980	-0.045778
30	P3	-8.229982	0.007980	-0.045778

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	-11.076286	0.050304	-0.024684
7	P1a	-10.062009	0.134697	-0.042418
11	P1a	-10.652975	0.064492	-0.052605
15	P1a	-10.910213	0.134947	-0.172467
19	P1a	-15.713535	0.069236	0.086095
22	P1a	-20.851351	1.168856	-0.158288
26	P1a	-15.325704	0.268978	0.228760
30	P1a	-18.383623	0.343627	-0.126286

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.383442	0.039661	-0.060688
7	P1	-2.432445	0.021630	0.008550

11	P1	-2.916875	0.019133	-0.032141
15	P1	-3.834392	0.039601	-0.060279
19	P1	-3.553233	0.011642	-0.008627
22	P1	-5.039471	0.023423	-0.044863
26	P1	-5.970725	0.026289	0.047970
30	P1	-5.279458	0.021698	0.011995

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.097471	0.032699	0.001752
7	P2	-21.960115	0.055486	0.047083
11	P2	-10.650641	0.030895	0.009044
15	P2	-4.818959	0.027607	-0.015178
19	P2	-6.810623	0.029794	-0.005531
22	P2	-8.099931	0.034186	0.062877
26	P2	-24.266787	0.036341	-0.108507
30	P2	-21.749483	0.037855	0.053169

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.048244	0.003673	-0.038644
7	P3	-8.048269	0.003680	-0.038335
11	P3	-8.048388	0.003680	-0.038850
15	P3	-8.048262	0.003690	-0.038979
19	P3	-8.048357	0.003677	-0.038942
22	P3	-8.048378	0.003678	-0.038886
26	P3	-8.048195	0.003676	-0.038920
30	P3	-8.048340	0.003691	-0.038653

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	0.000625910
	stdev	2.45277e-07
MEAN Q	mean	0.000380080
	stdev	2.63326e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.109773
	stdev	0.00245577
STDEV Q	mean	0.109808
	stdev	0.00251093

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007030[789]
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_1PNPDE20070308_014959_000000802056_00132_26238_4901.N1	1	0
ASA_IMM_1PNPDE20070309_042629_000000782056_00147_26253_6465.N1	1	0

ASA_WSM_1PNPDE20070307_055614_000000672056_00120_26226_4215.N1	5	157
ASA_WSM_1PNPDE20070307_111810_000000852056_00123_26229_4255.N1	0	72
ASA_WSM_1PNPDE20070307_171620_000002262056_00127_26233_4397.N1	0	63
ASA_WSM_1PNPDE20070309_015045_000000852056_00146_26252_6150.N1	0	52
ASA_WSM_1PNPDK20070307_135748_000000852056_00125_26231_9424.N1	0	15
ASA_APM_1PNPDE20070308_204806_000000422056_00143_26249_5615.N1	15	257
ASA_APM_1PNPDE20070309_011941_000000422056_00146_26252_6027.N1	14	0
ASA_APM_1PNPDK20070309_095951_000000542056_00151_26257_1118.N1	0	4

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

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

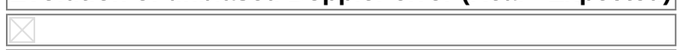
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

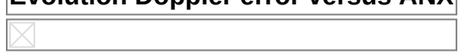
7.5 - Absolute Doppler for GM1

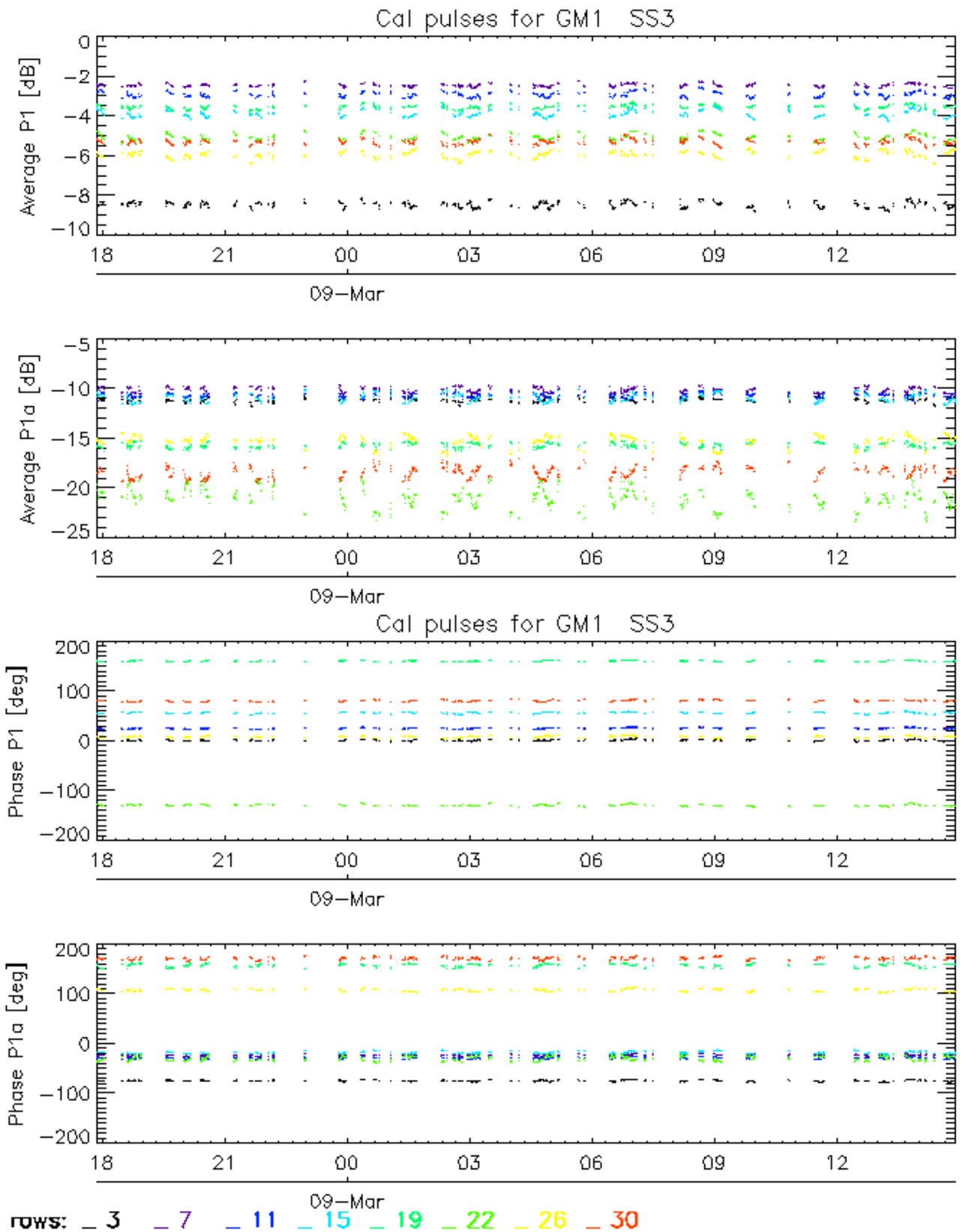
Evolution of Absolute Doppler

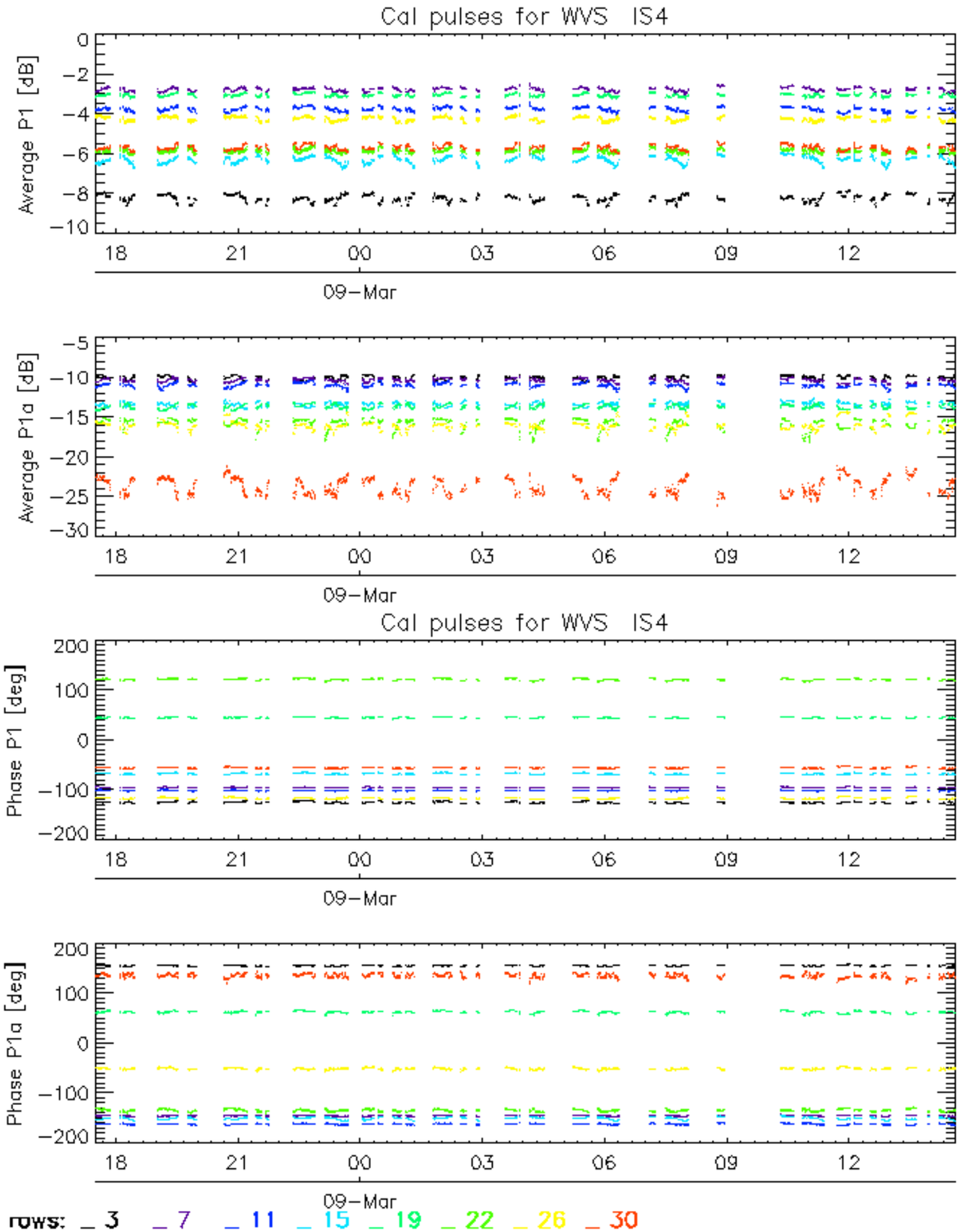
Acsending

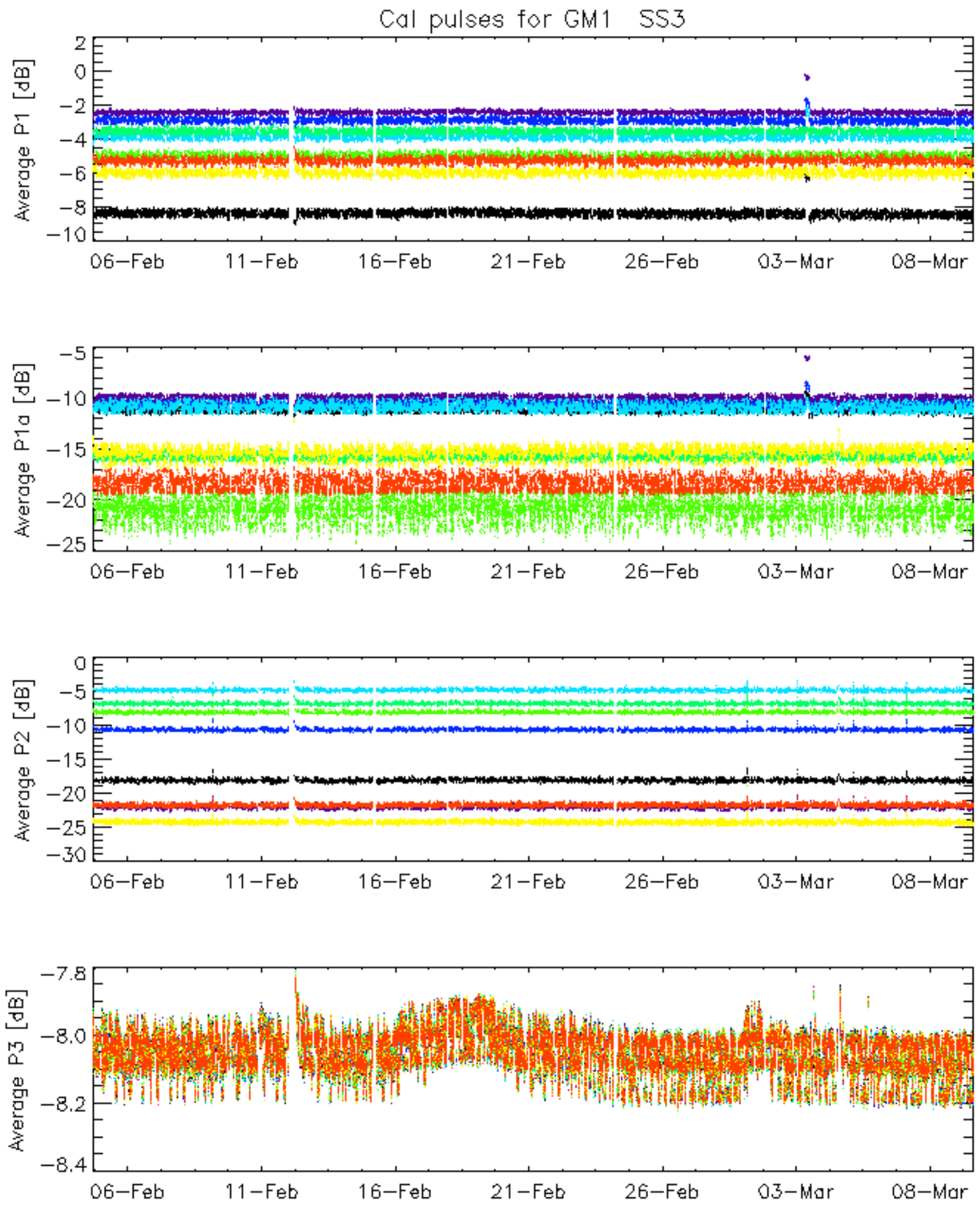
Descending

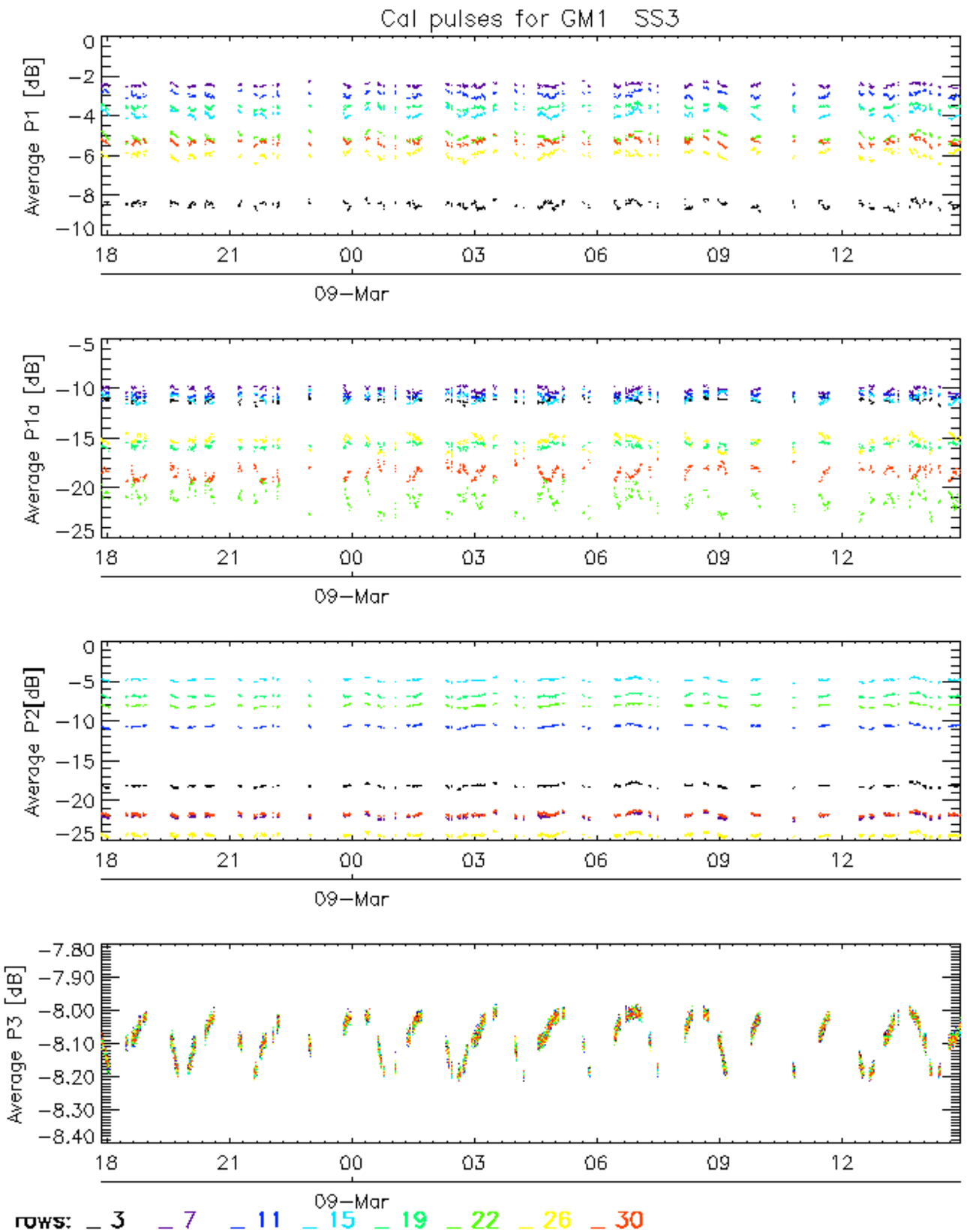
7.6 - Doppler evolution versus ANX for GM1

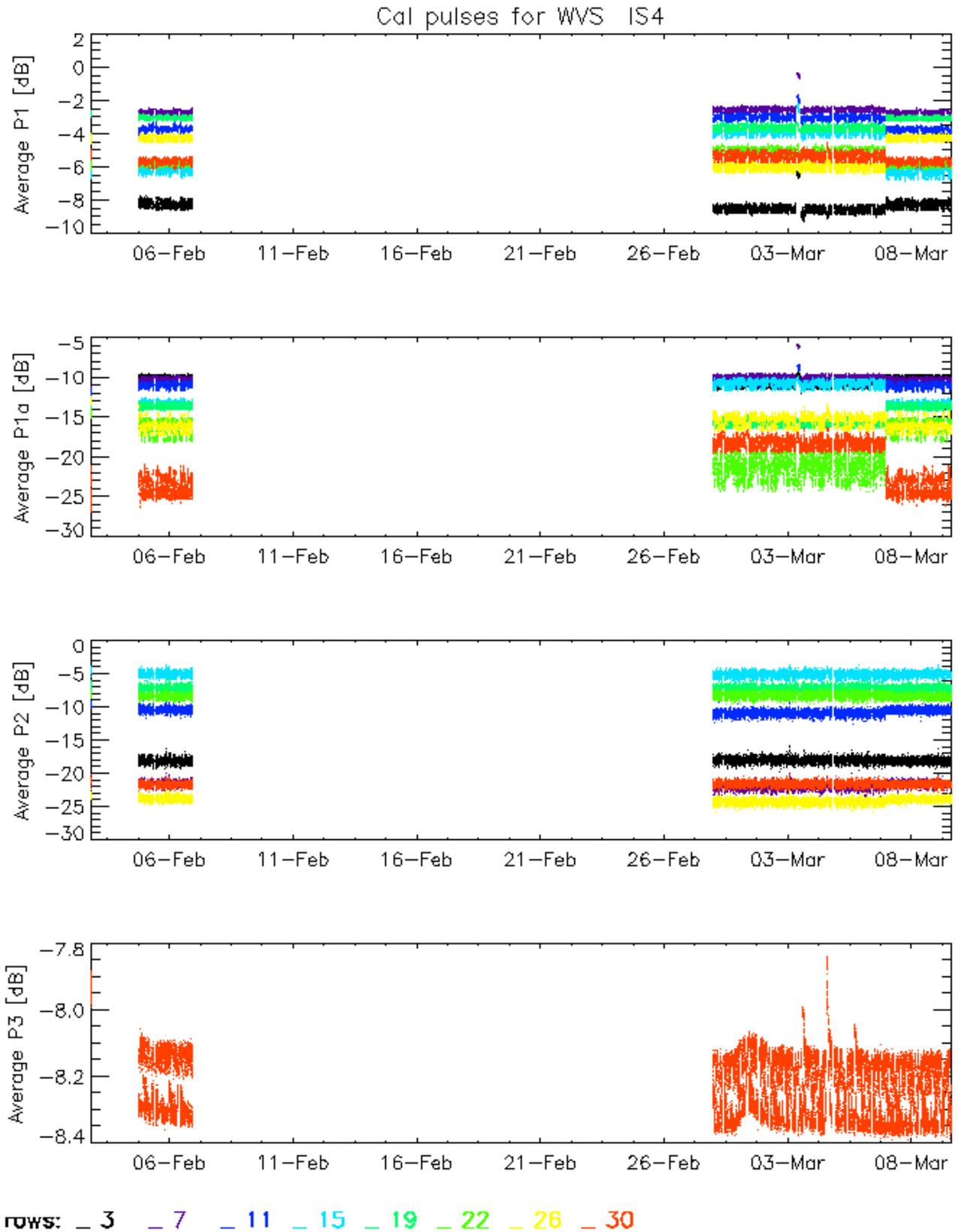
Evolution Doppler error versus ANX


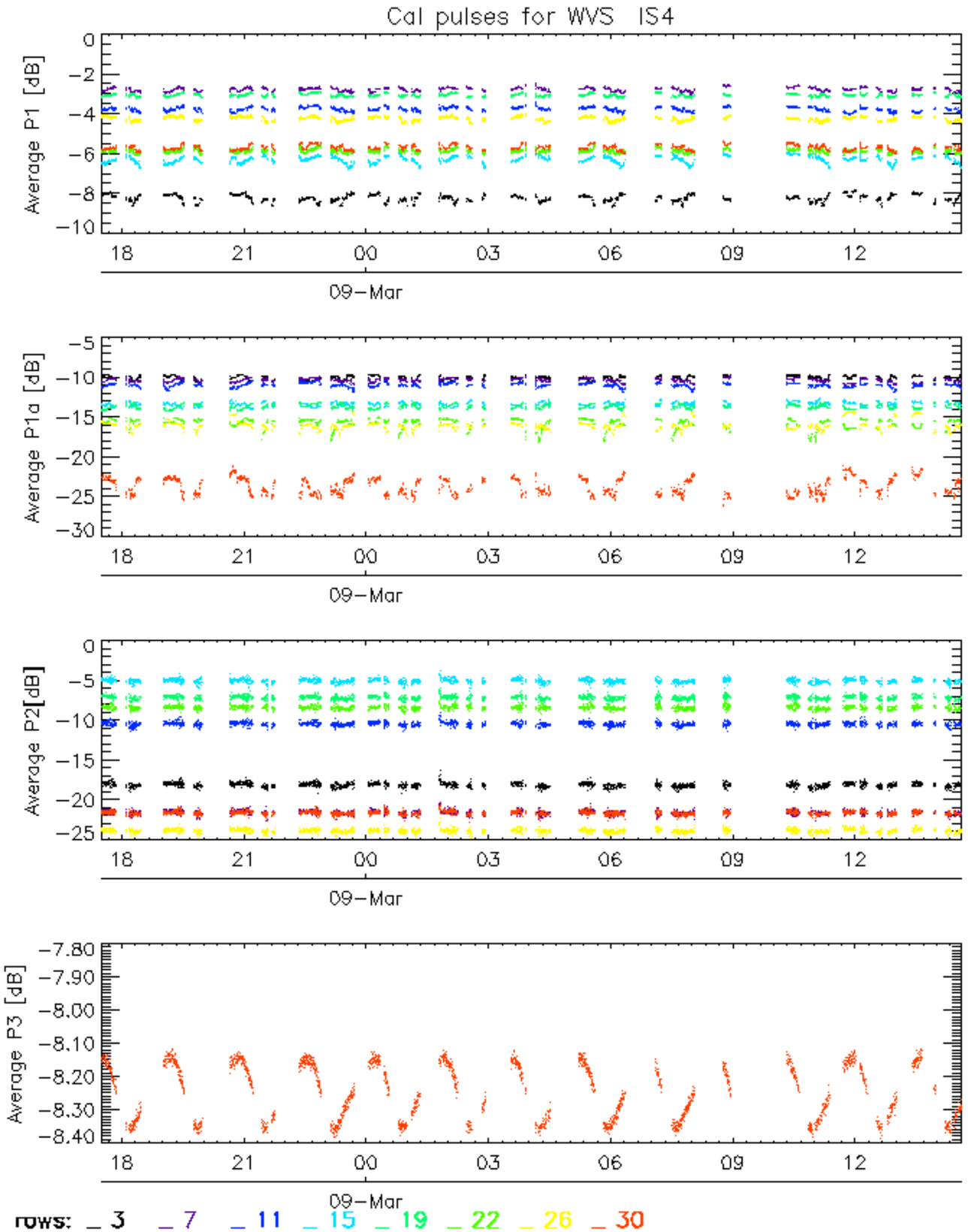

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
09−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

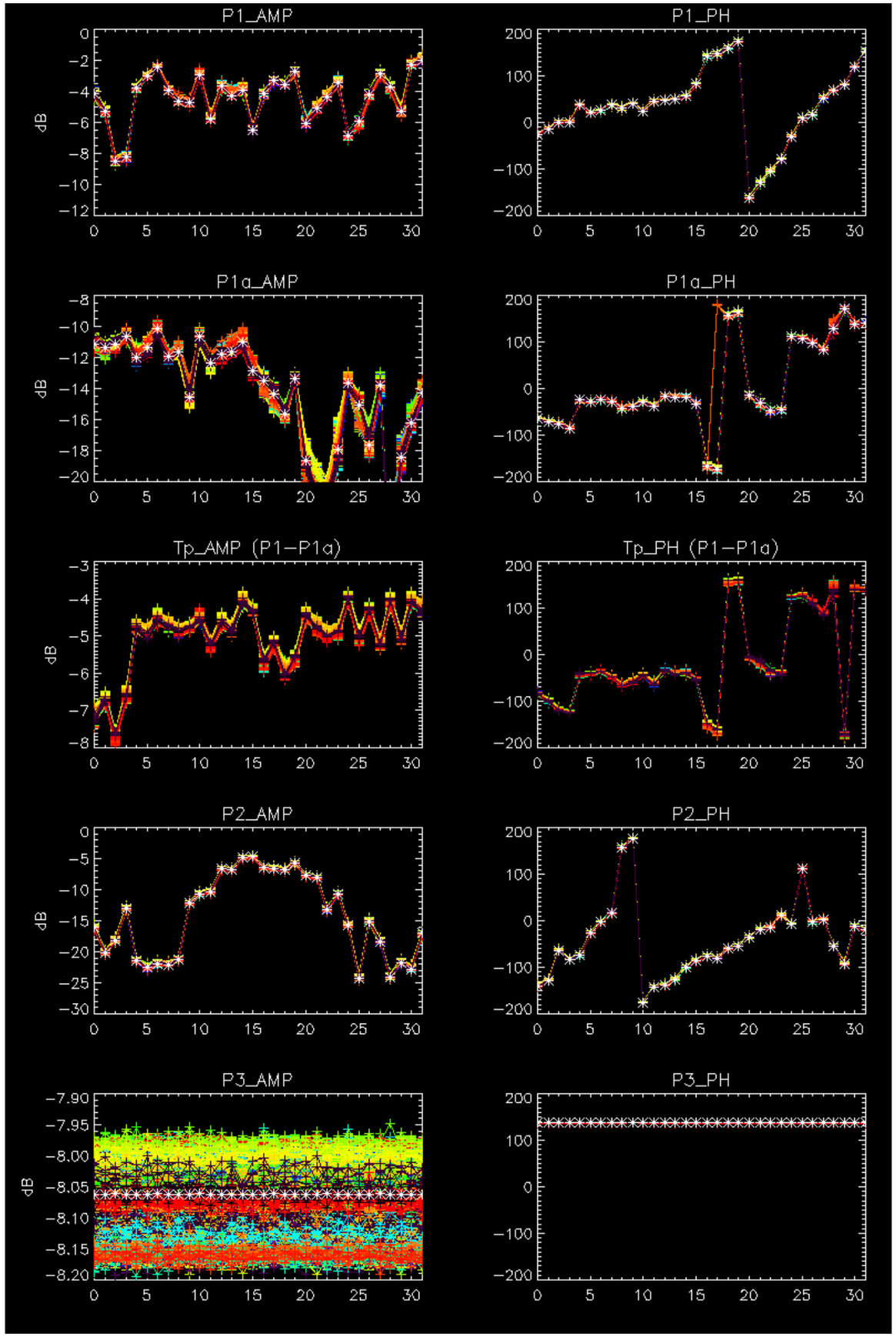

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

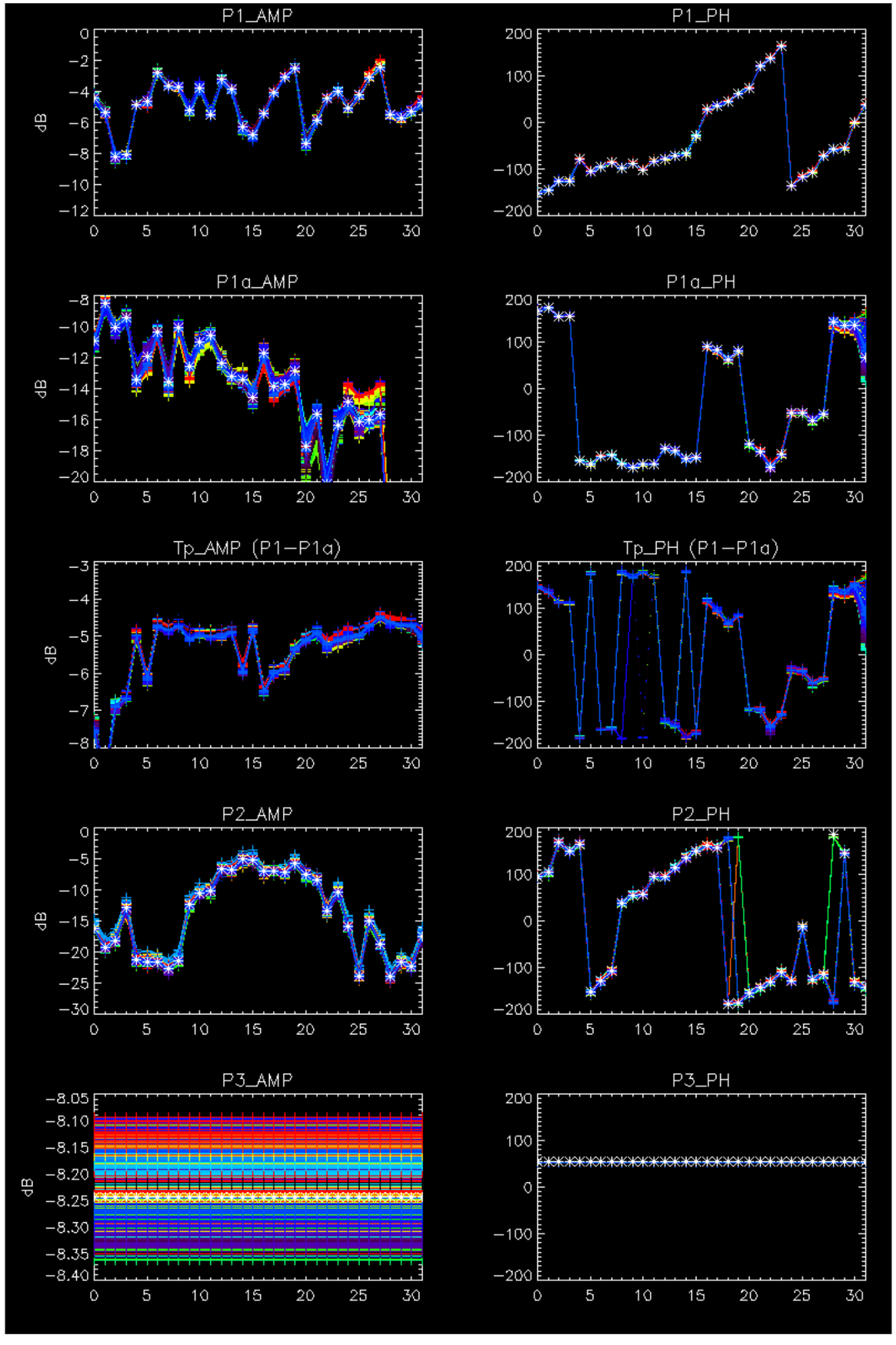

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
09−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
09−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
09−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
09−Mar
rows: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


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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
09−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
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

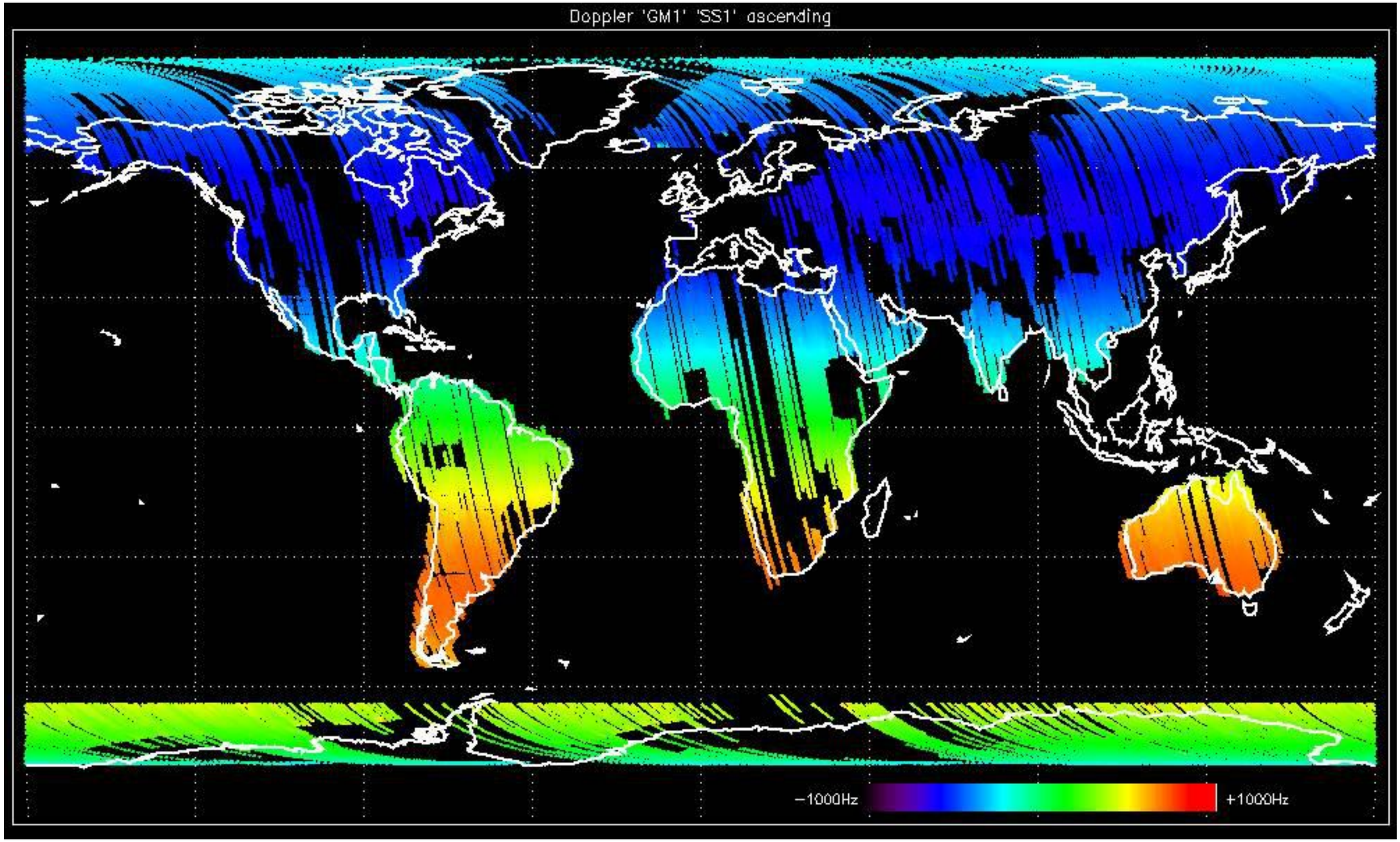
No anomalies observed.

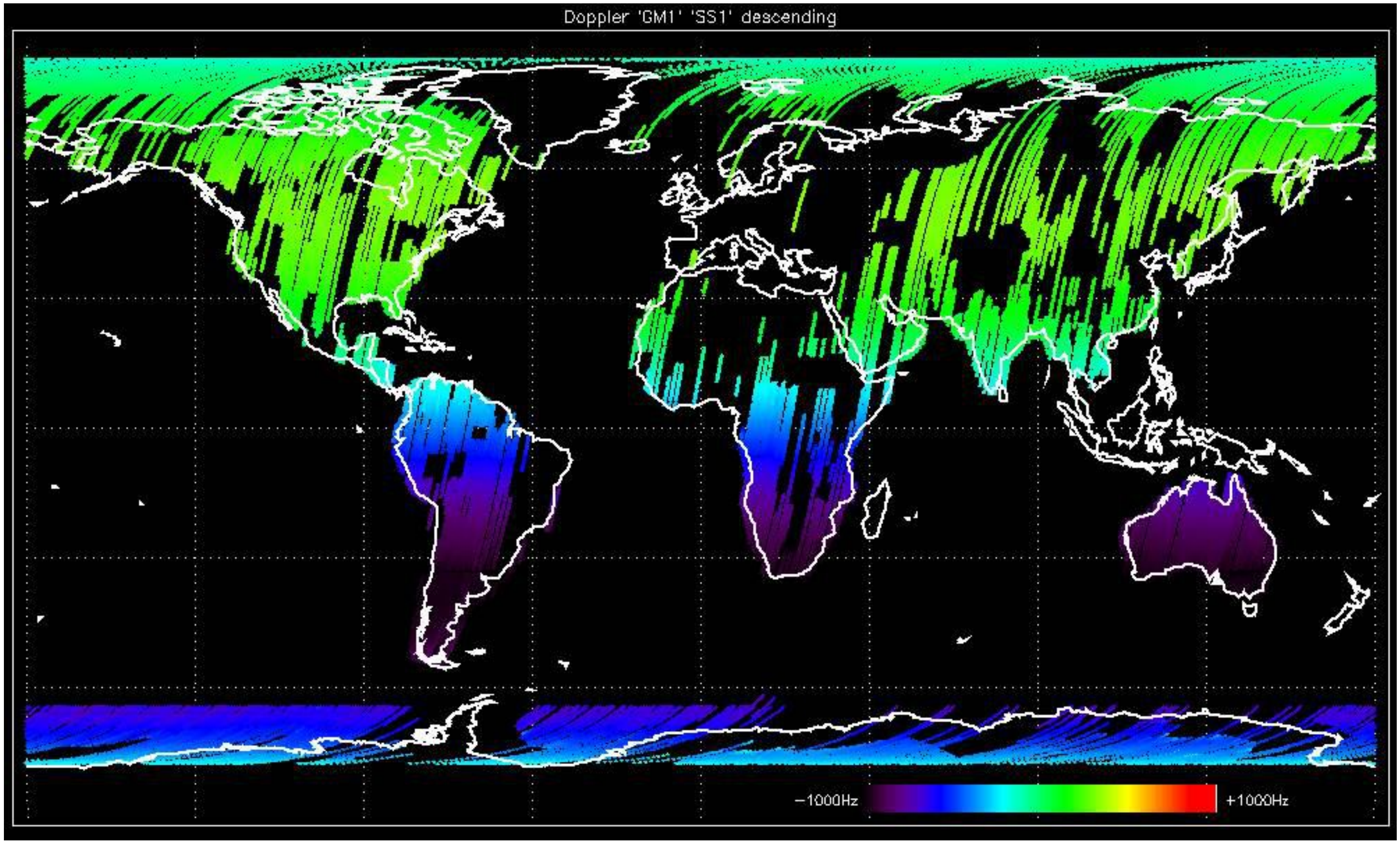

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

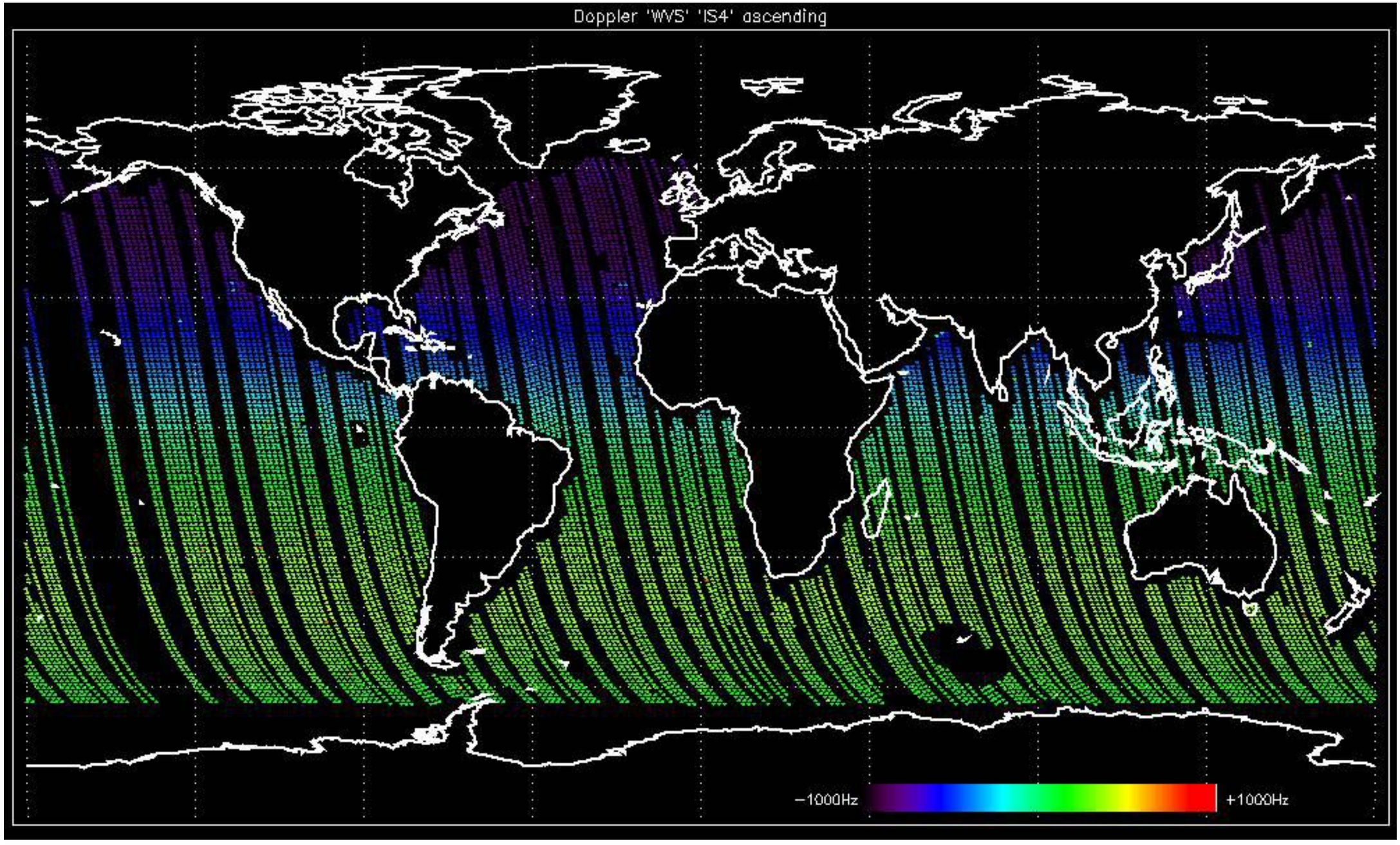

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

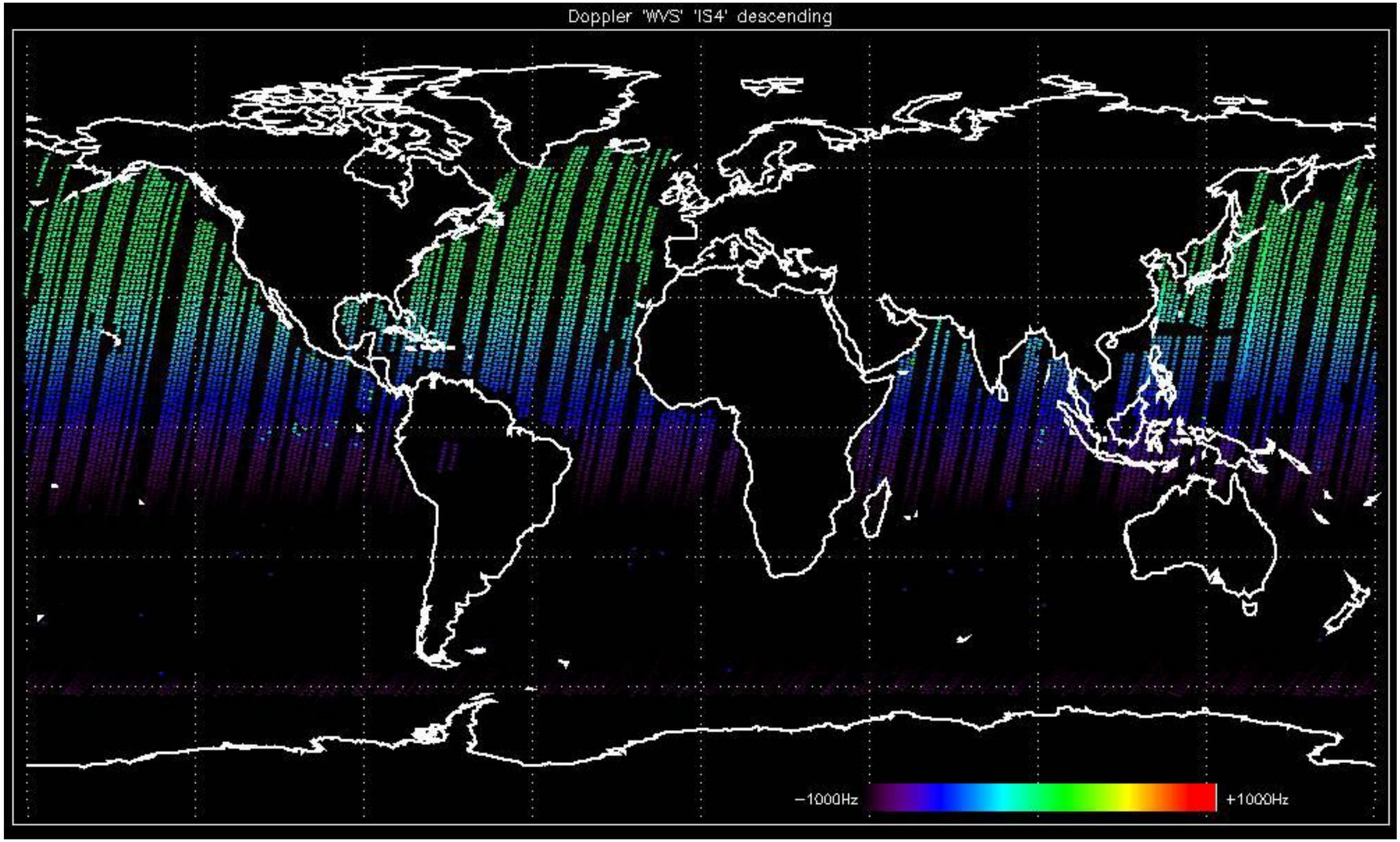
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

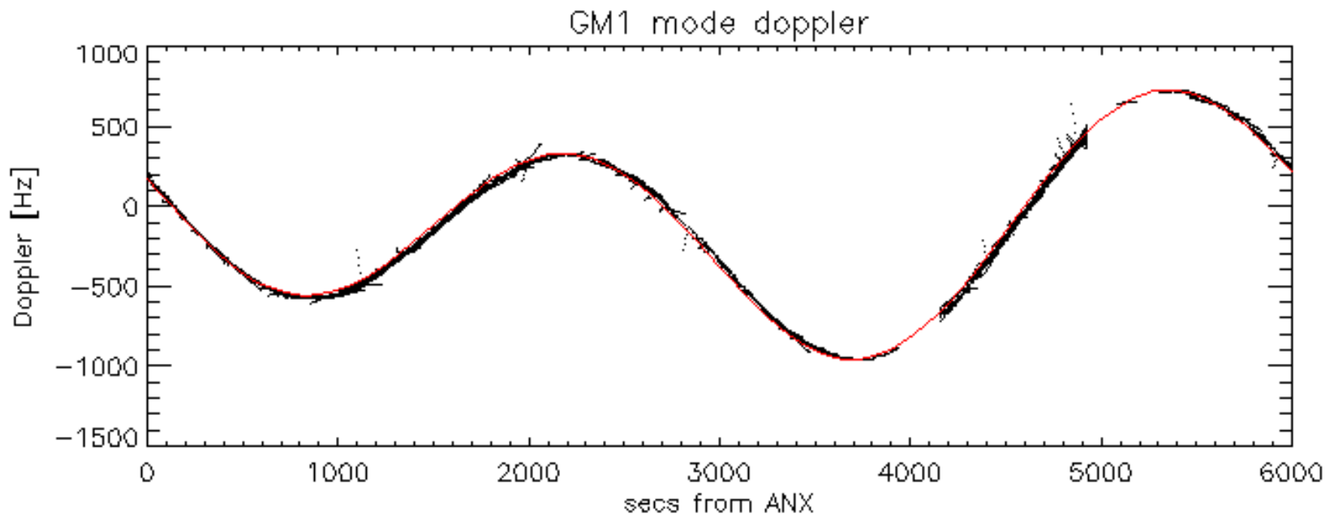
Preliminary report.The data is not yet controled

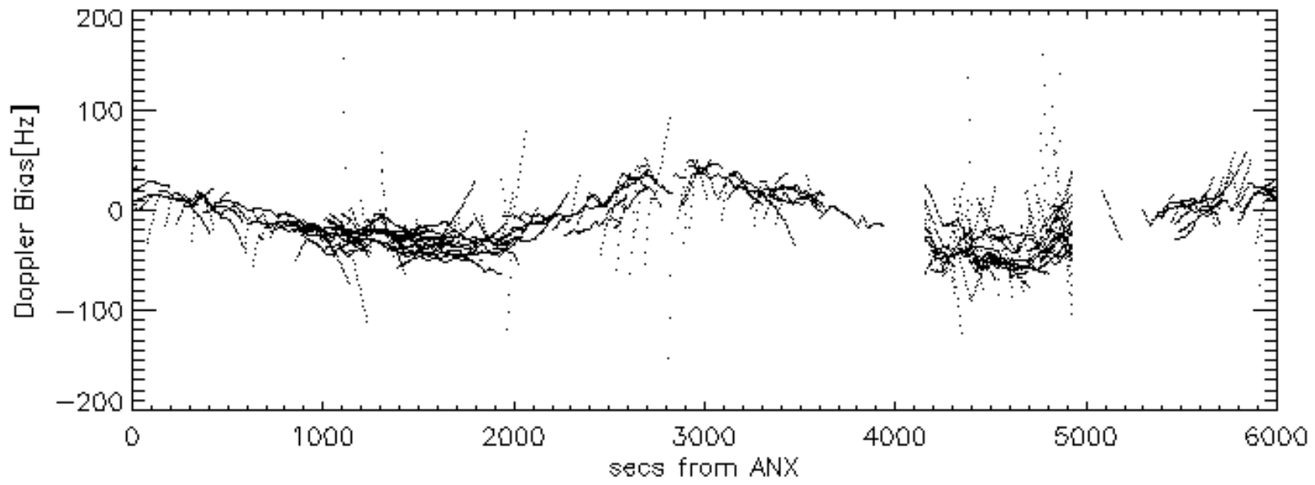

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

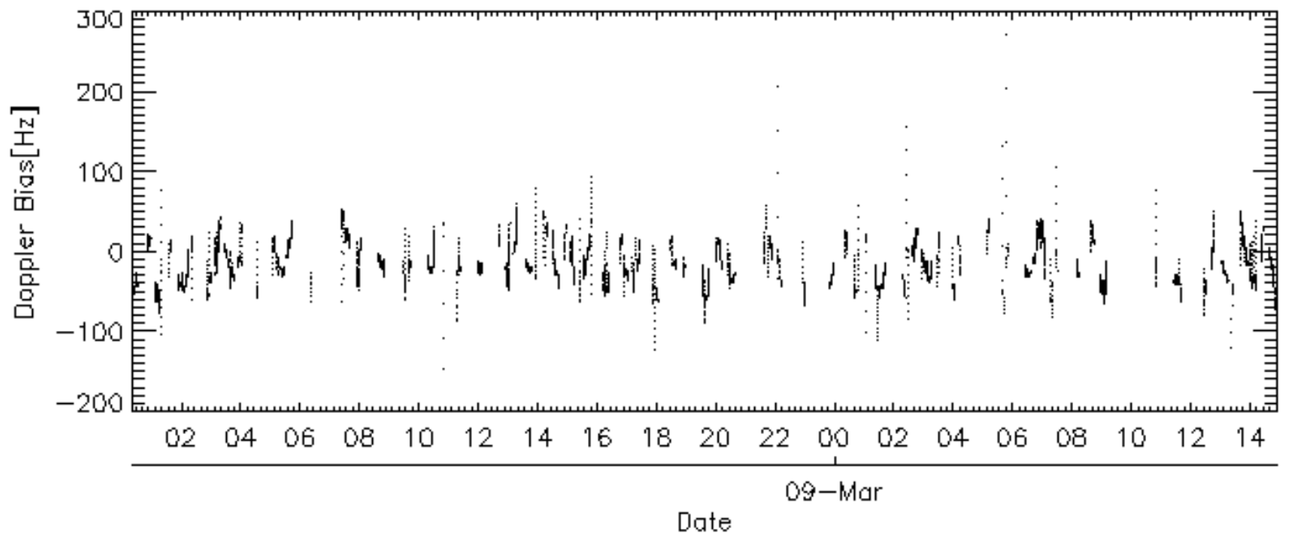

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

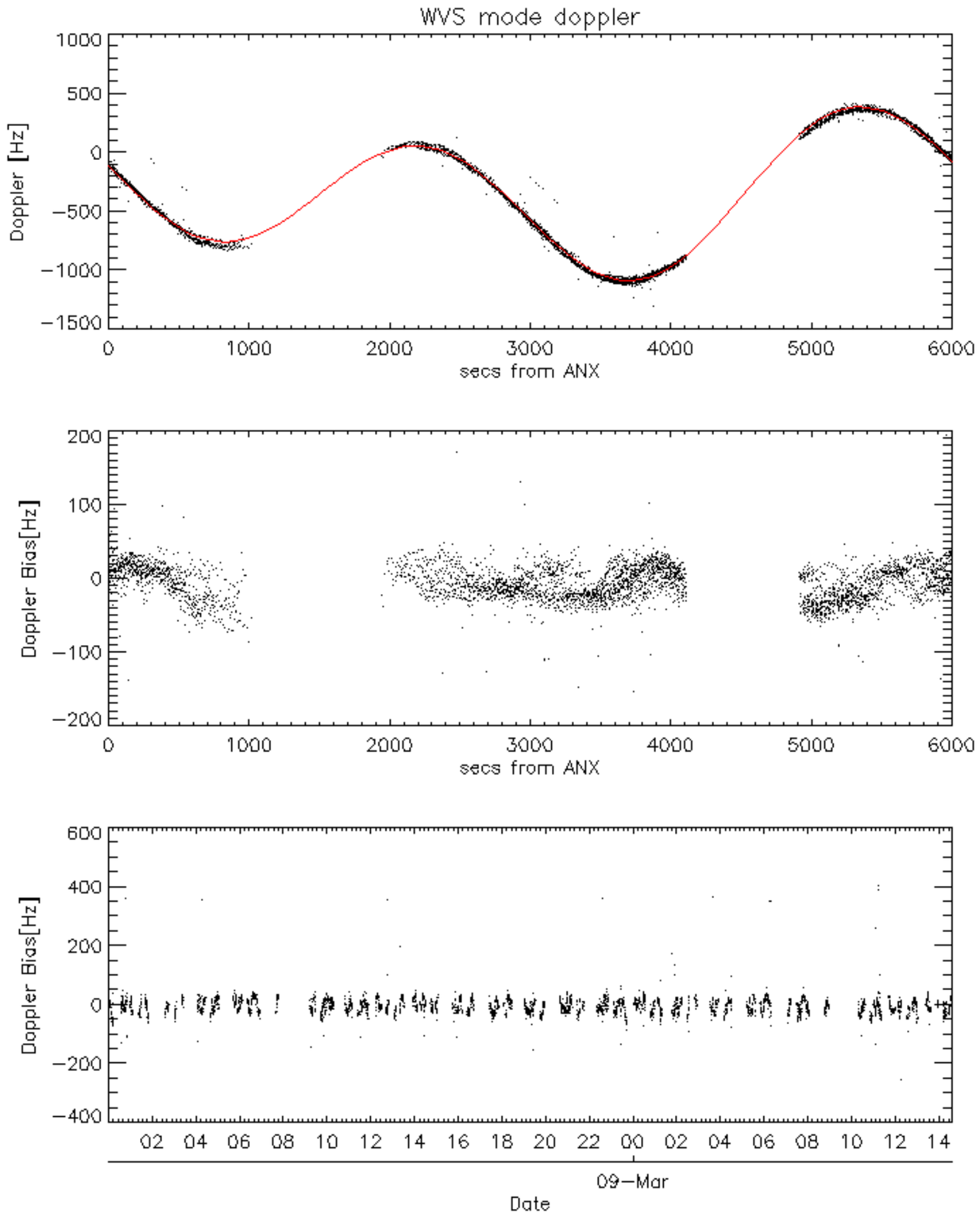

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

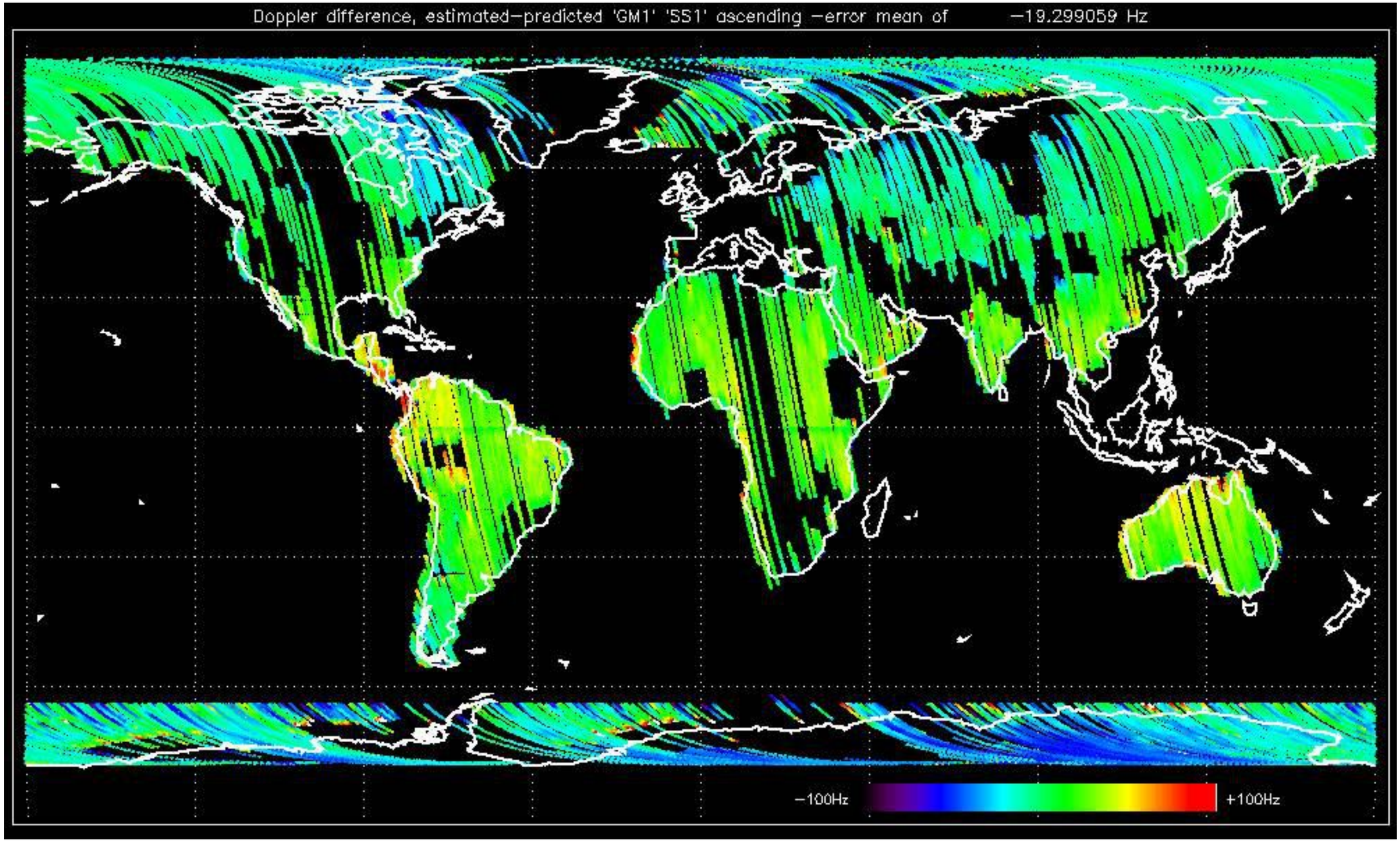

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

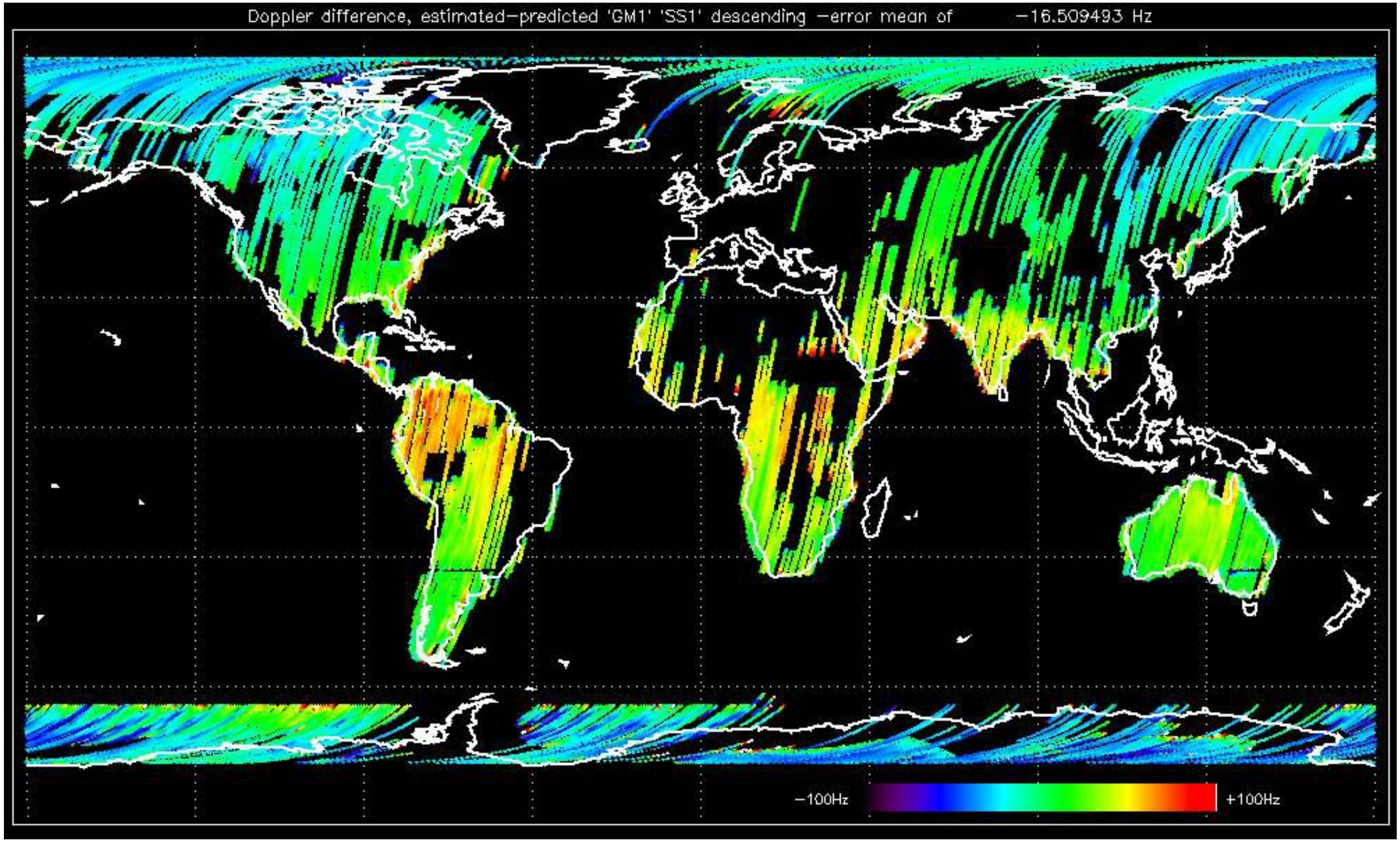

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

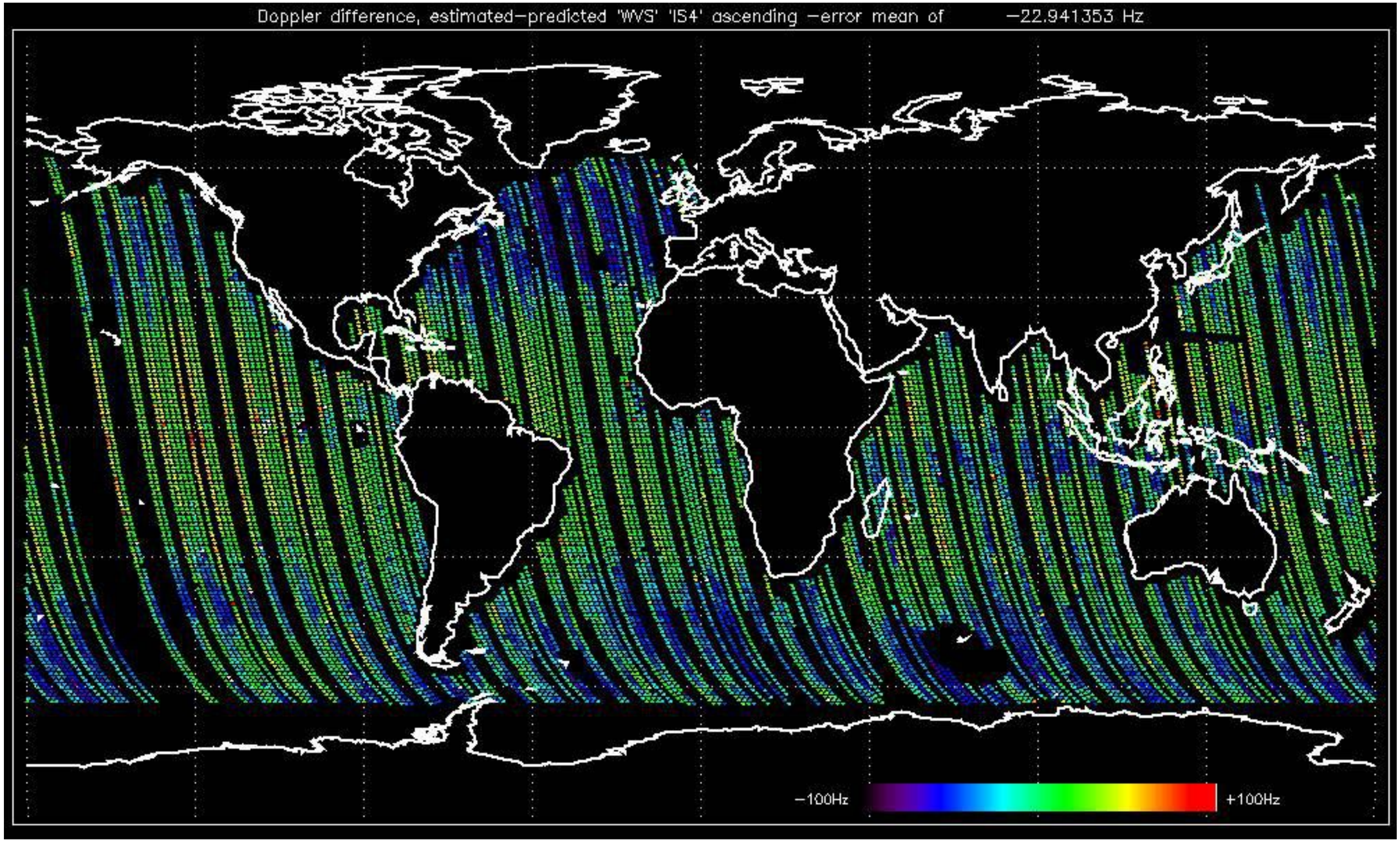

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

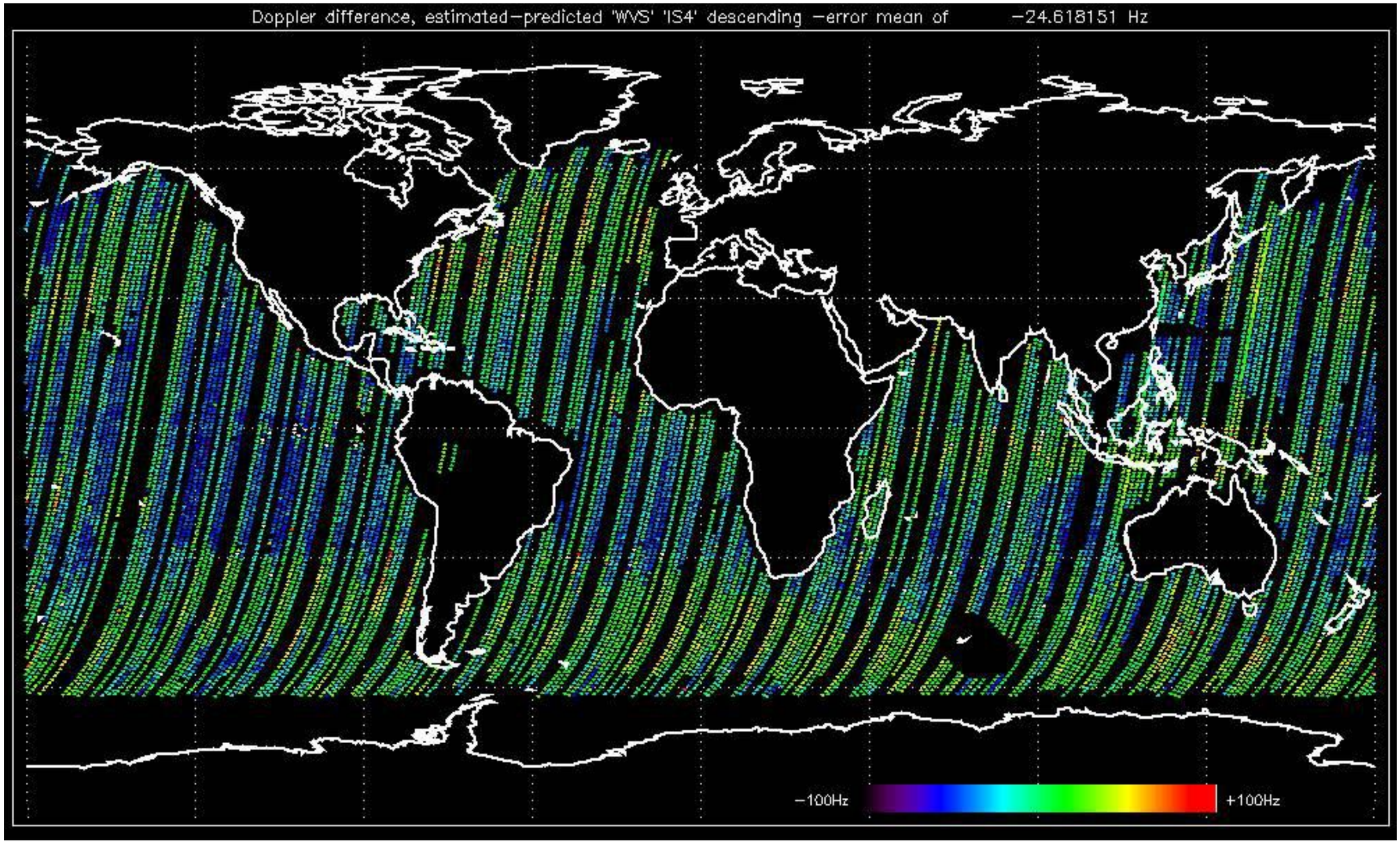

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
09−Mar
Date


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]
600
400
200
0
−200
−400
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14
09−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.299059 Hz
−100Hz
+100Hz

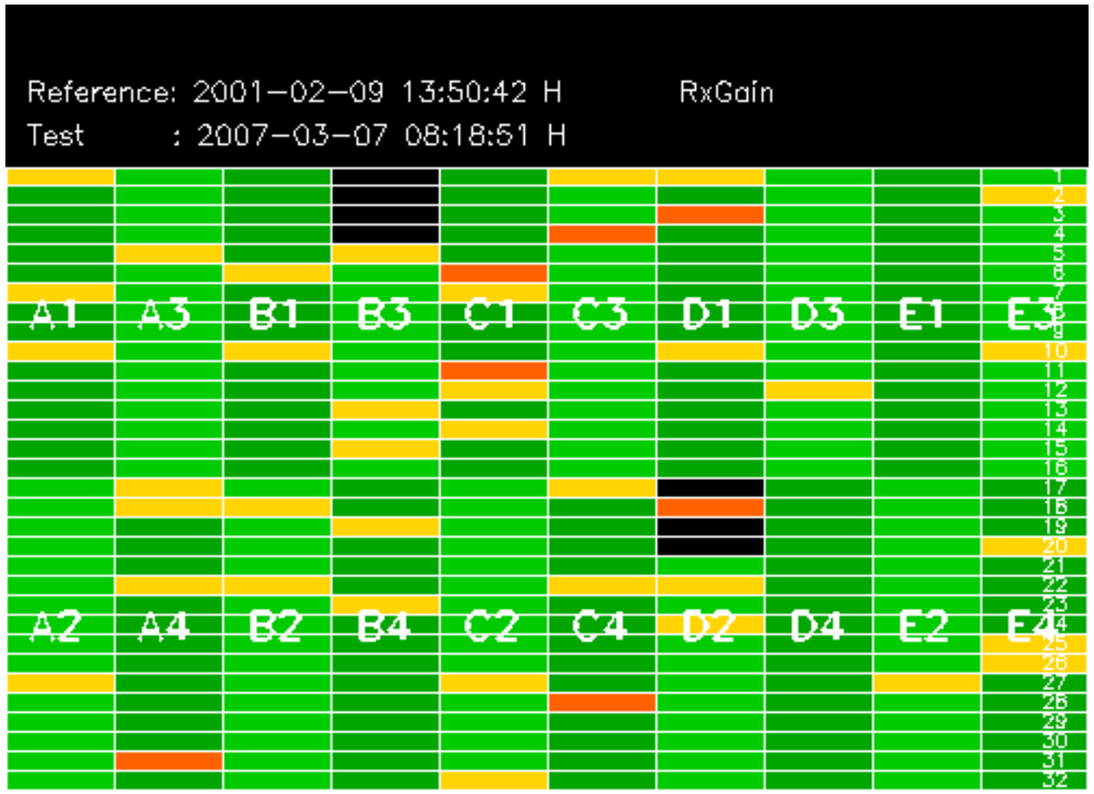

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.509493 Hz
−100Hz
+100Hz

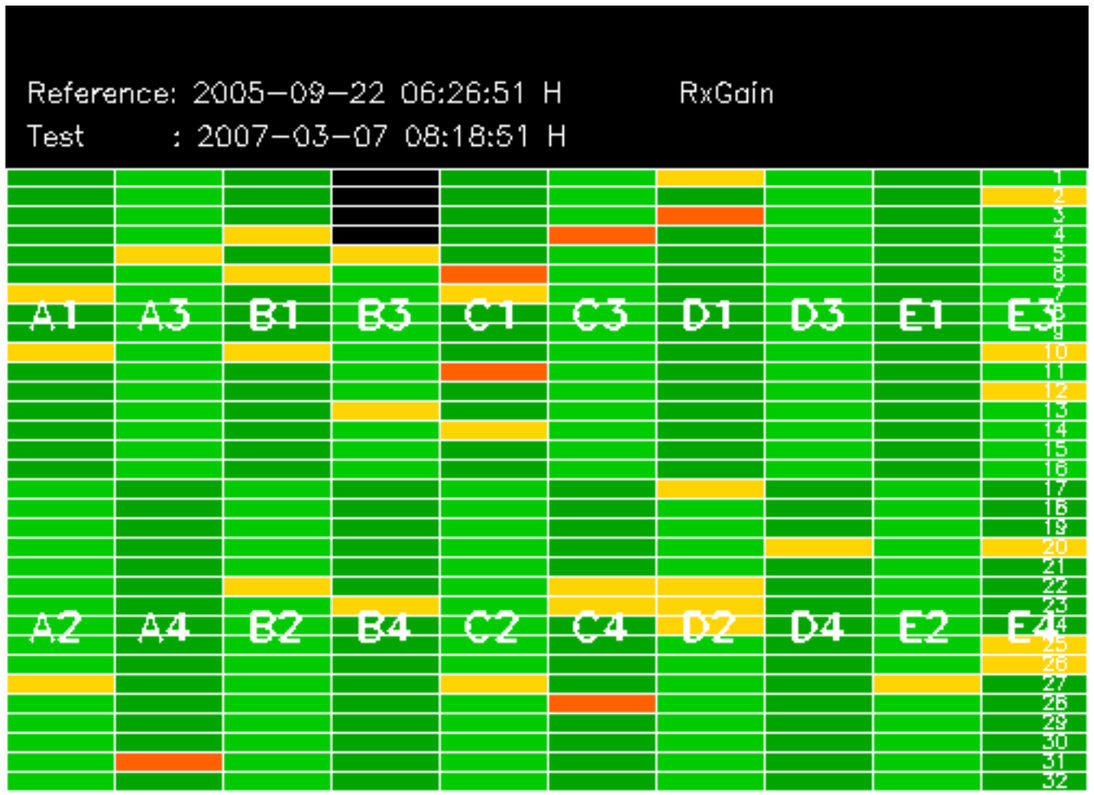

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −22.941353 Hz
−100Hz
+100Hz

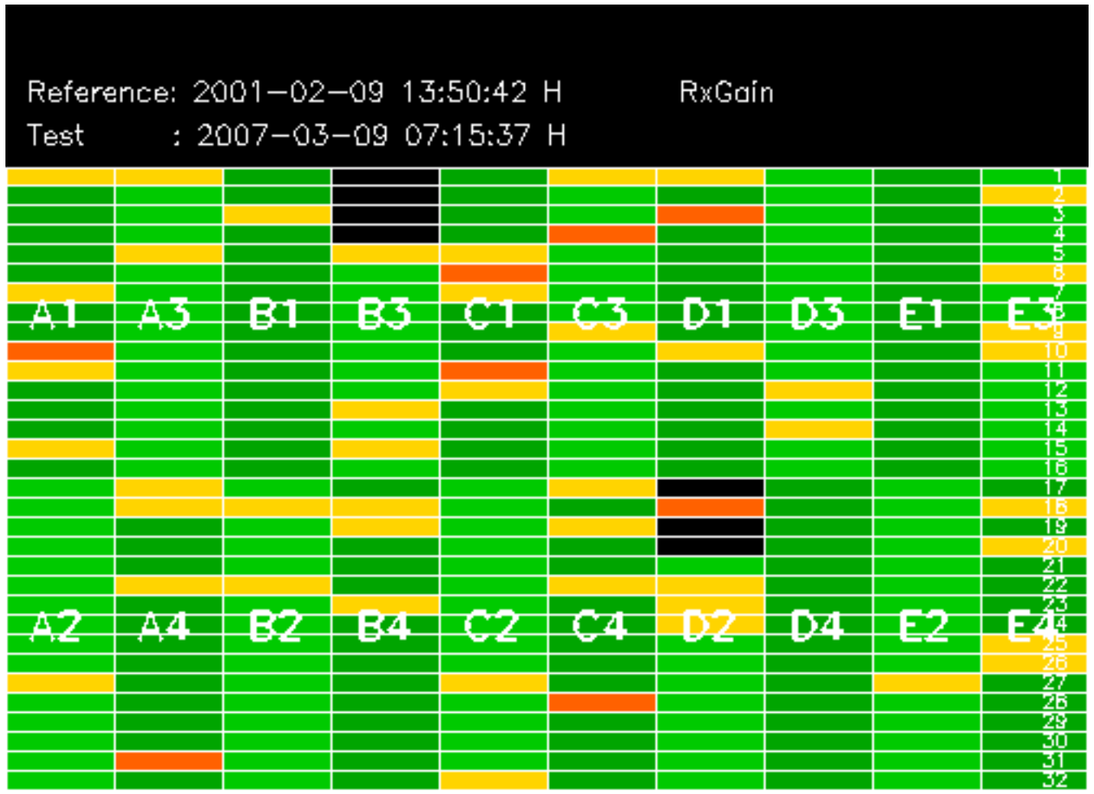

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −24.618151 Hz
−100Hz
+100Hz

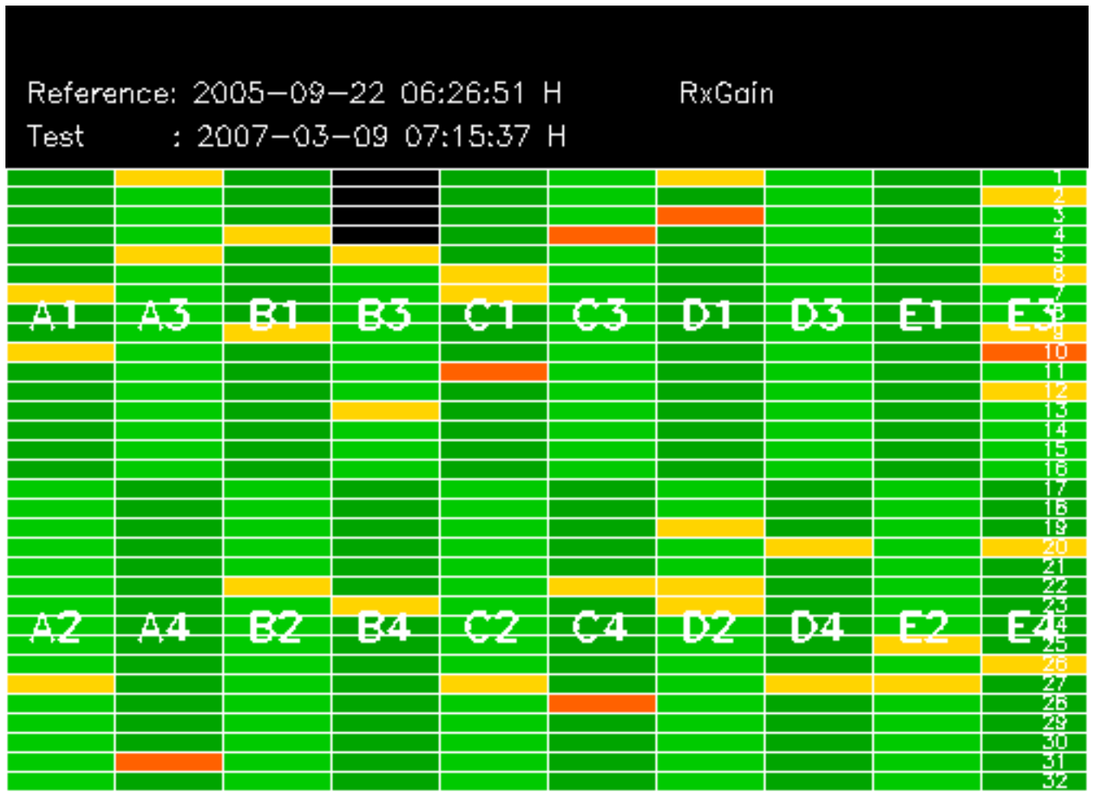
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-07 08:18:51 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 : 2007-03-07 08:18:51 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 13:50:42 H
Test : 2007-03-09 07:15:37 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 : 2007-03-09 07:15:37 H
RxGain
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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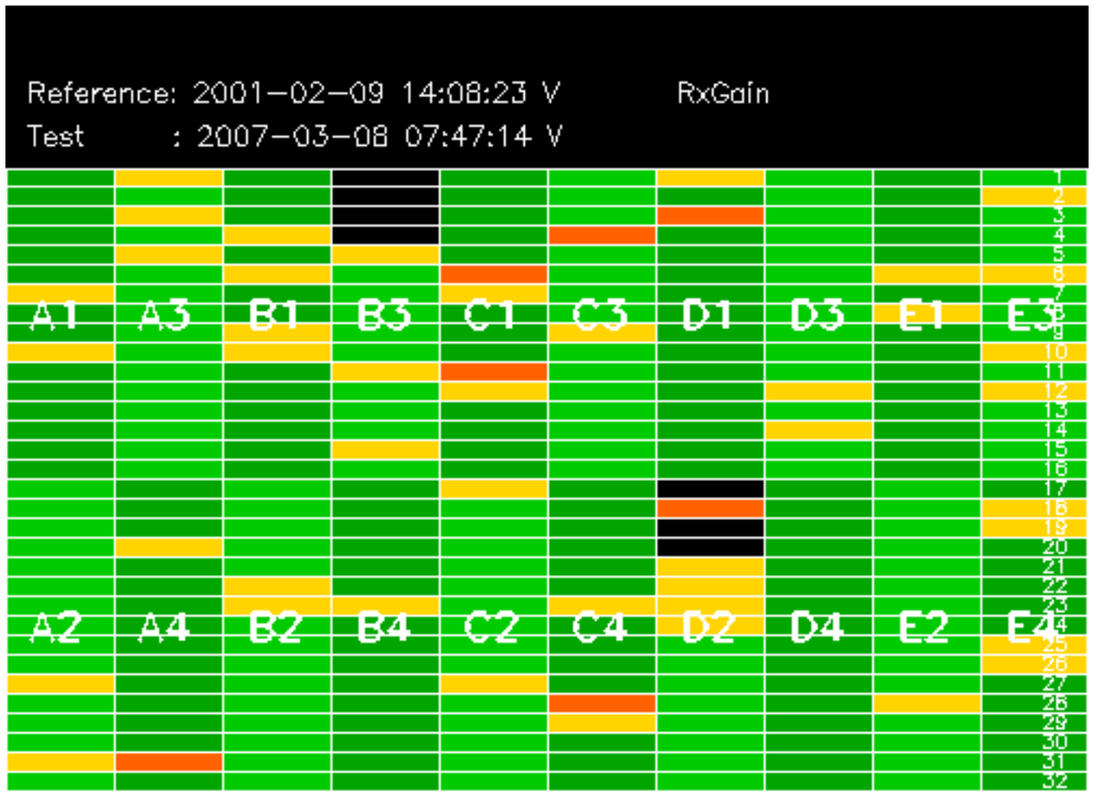
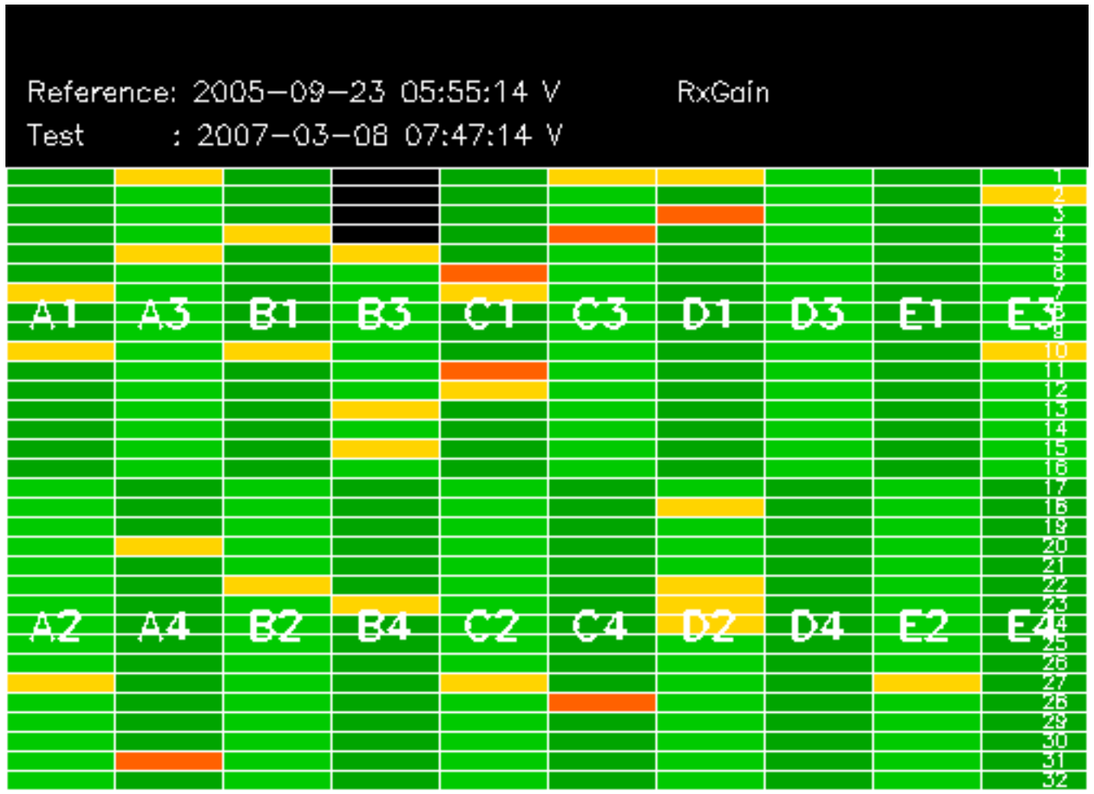

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-03-08 07:47:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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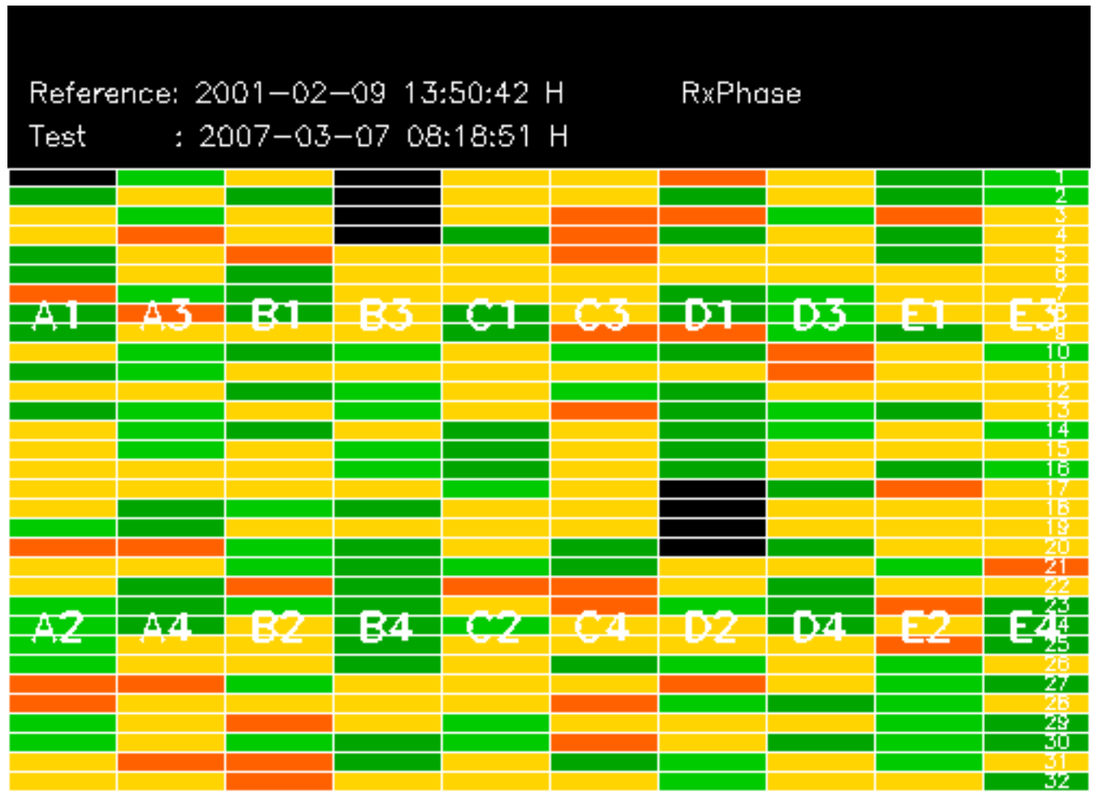
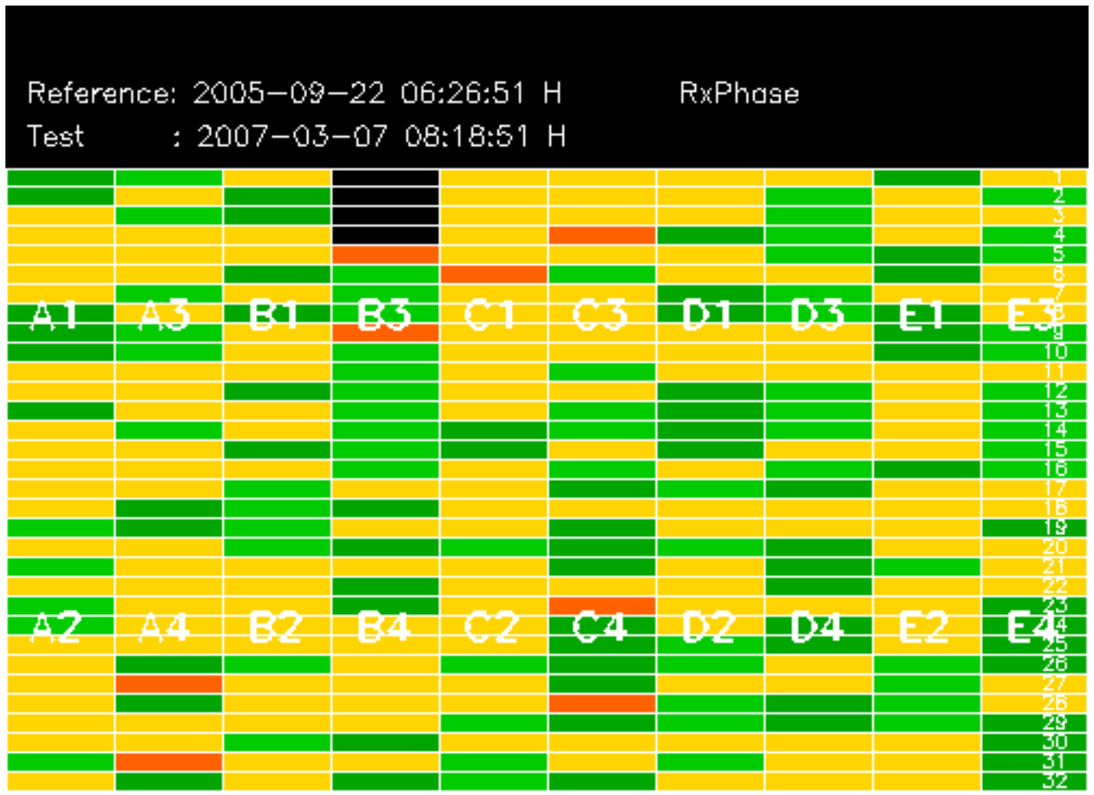
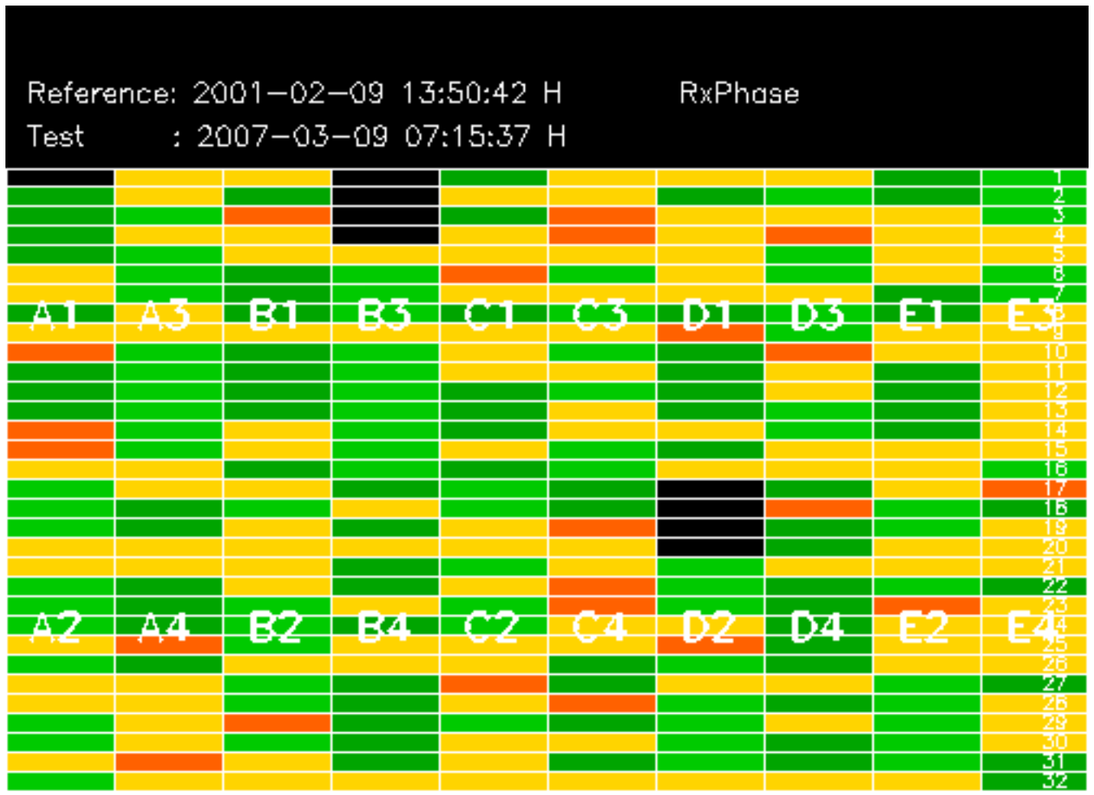
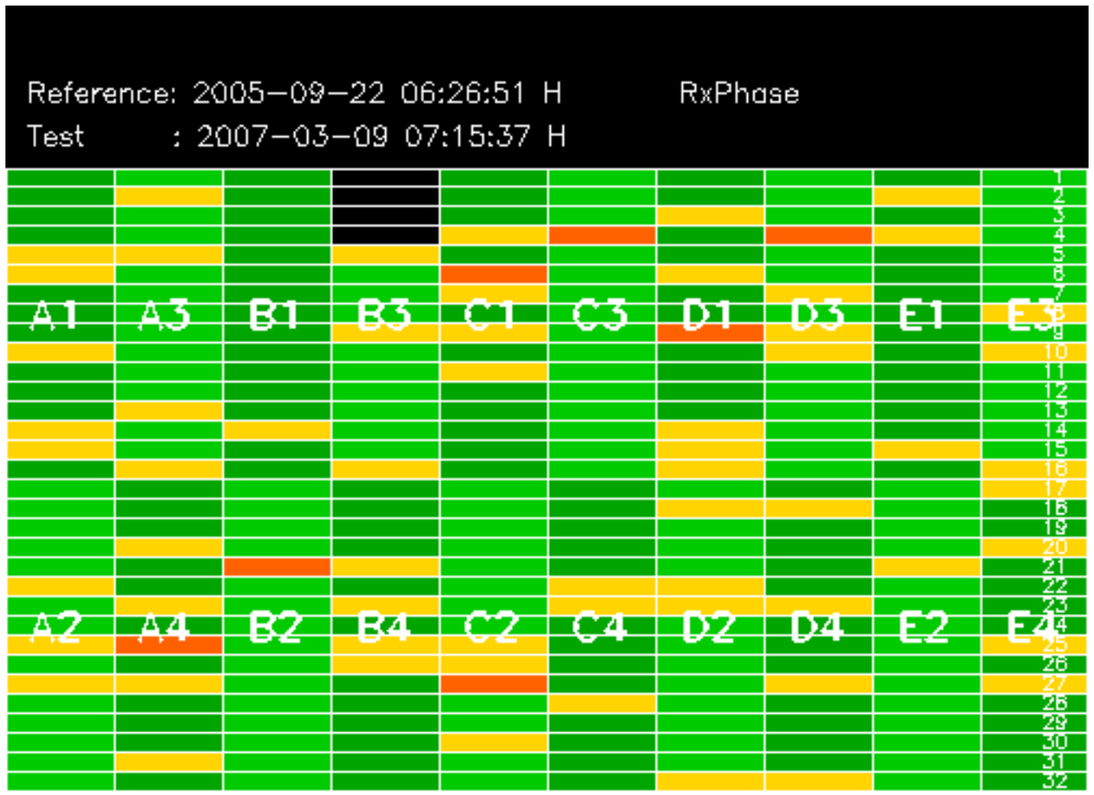

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-07 08:18:51 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-07 08:18:51 H
RxPhase
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 : 2007-03-09 07:15:37 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-09 07:15:37 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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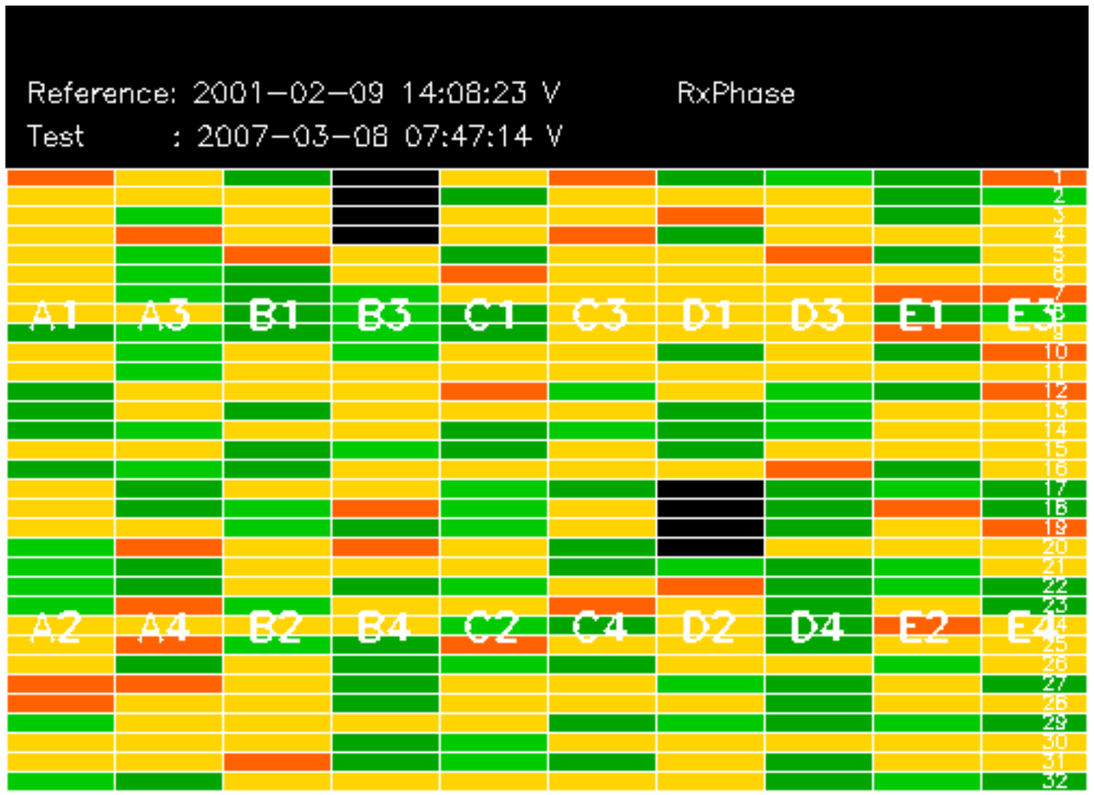
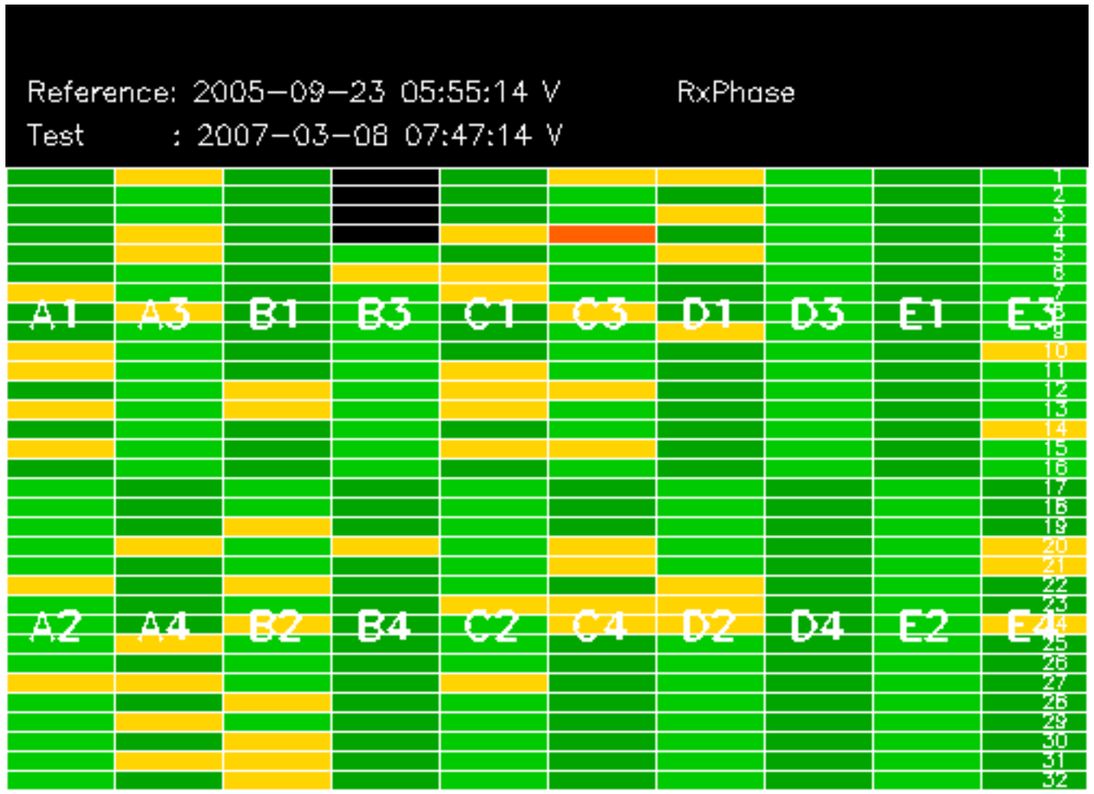

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-08 07:47:14 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 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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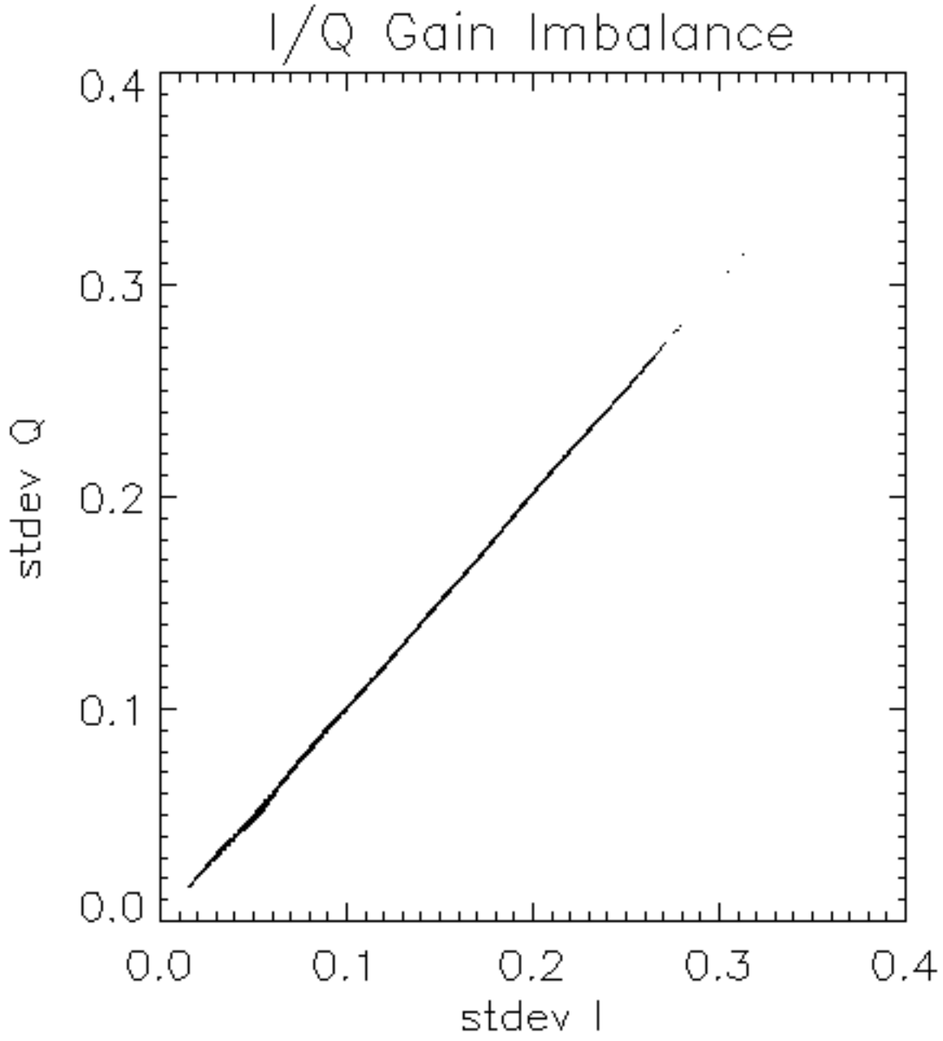
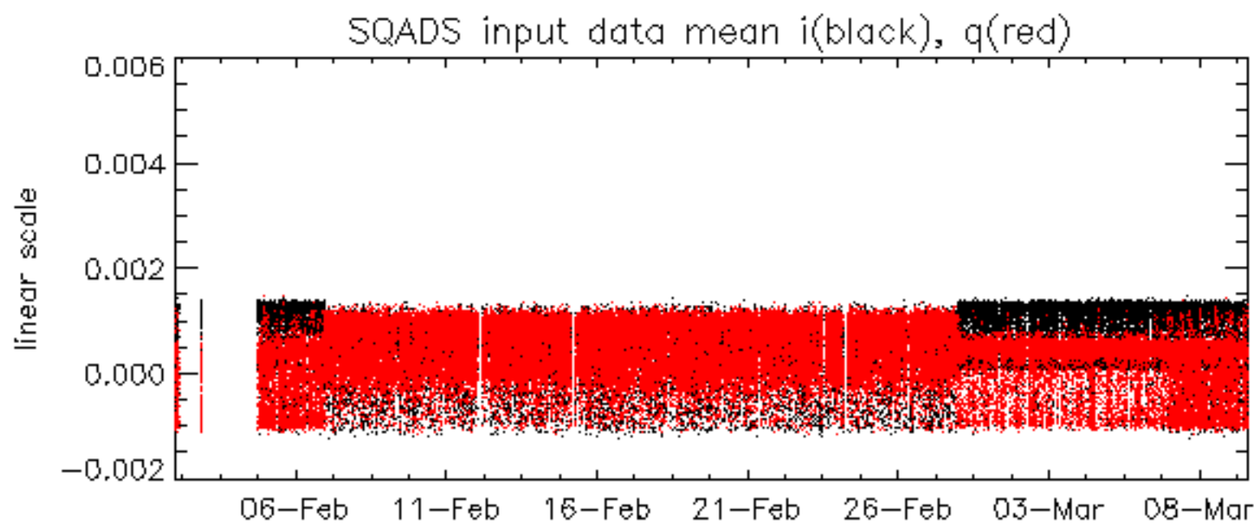
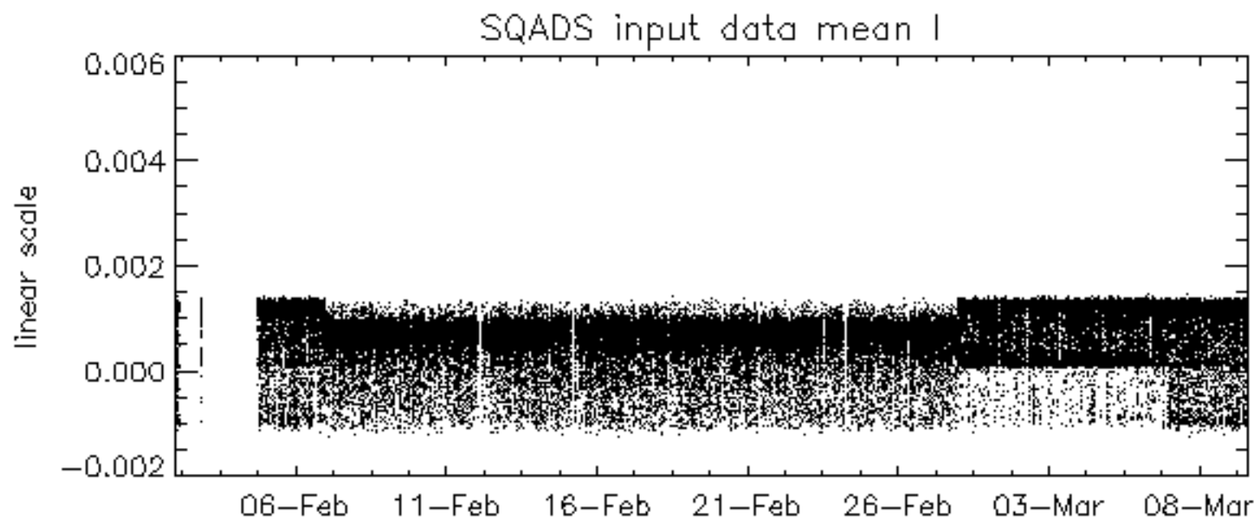
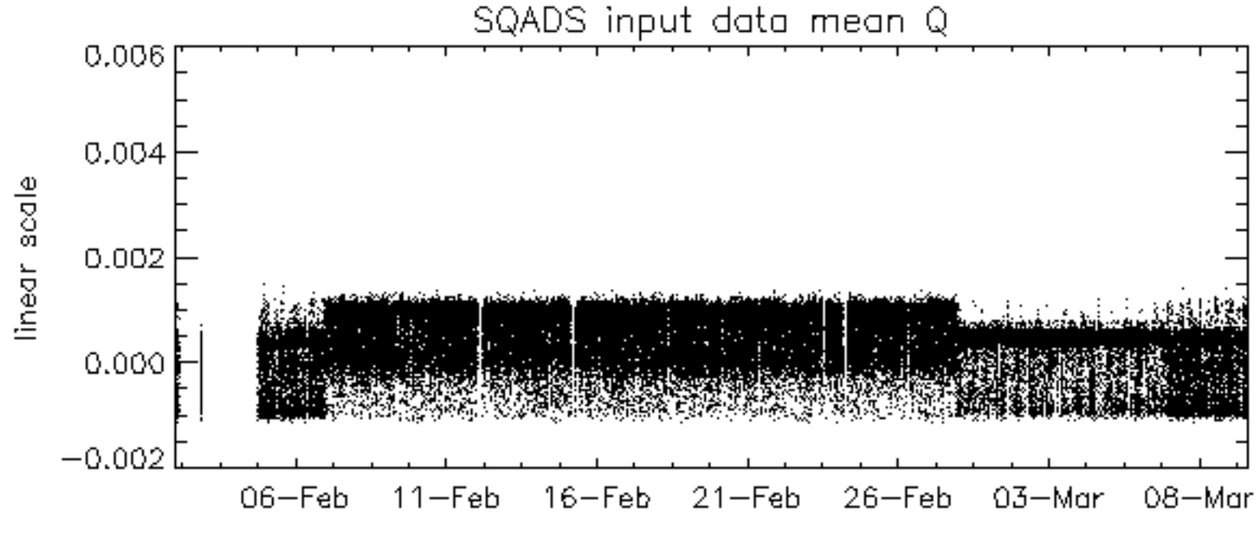
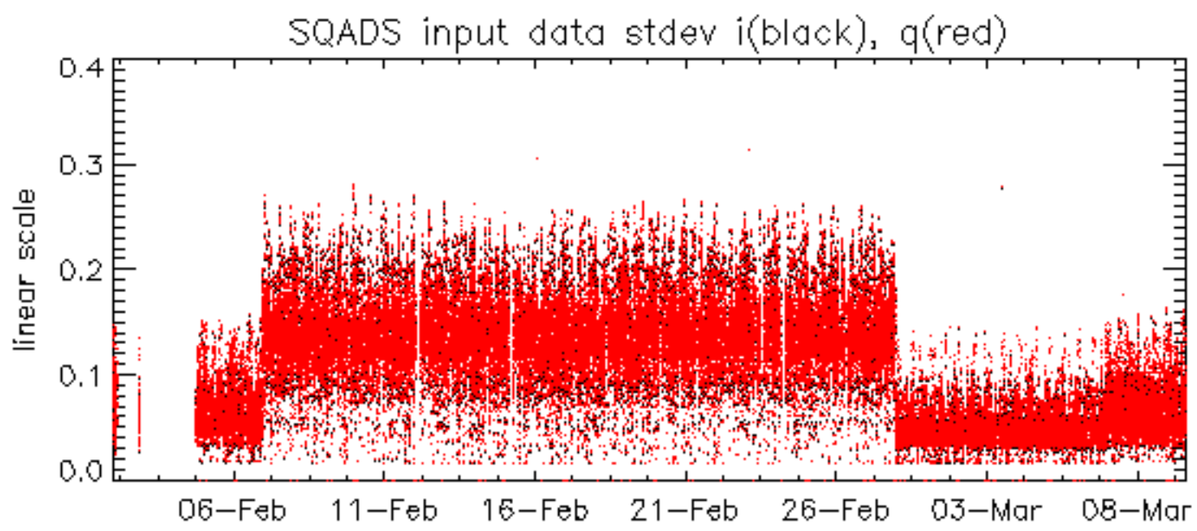
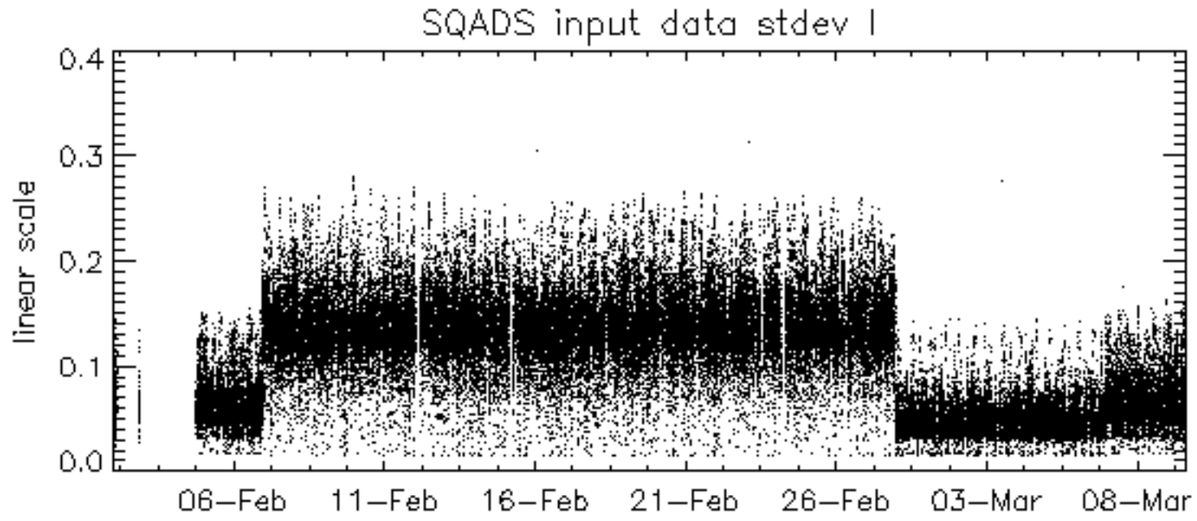

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

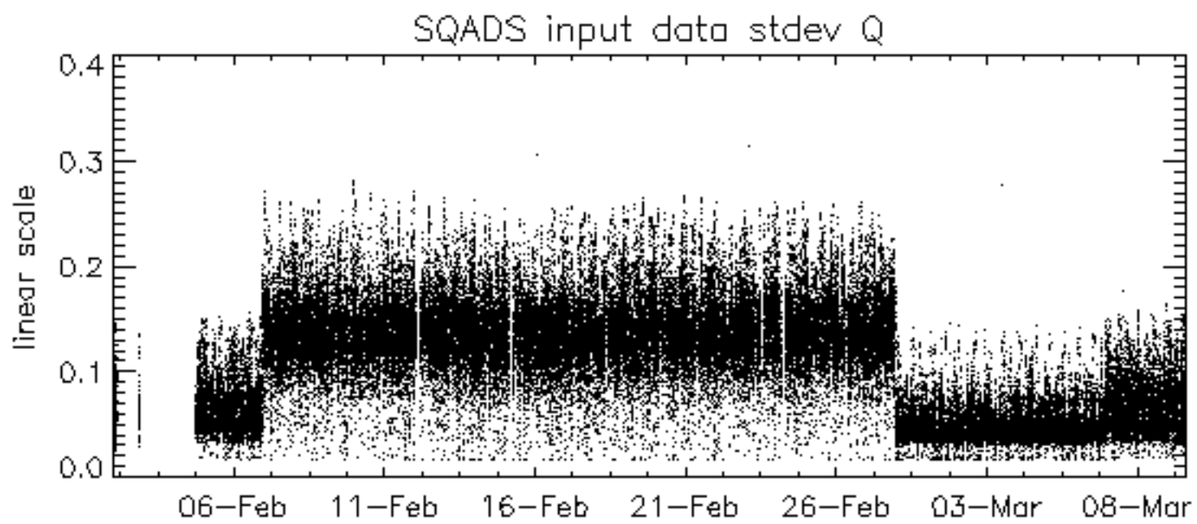

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar

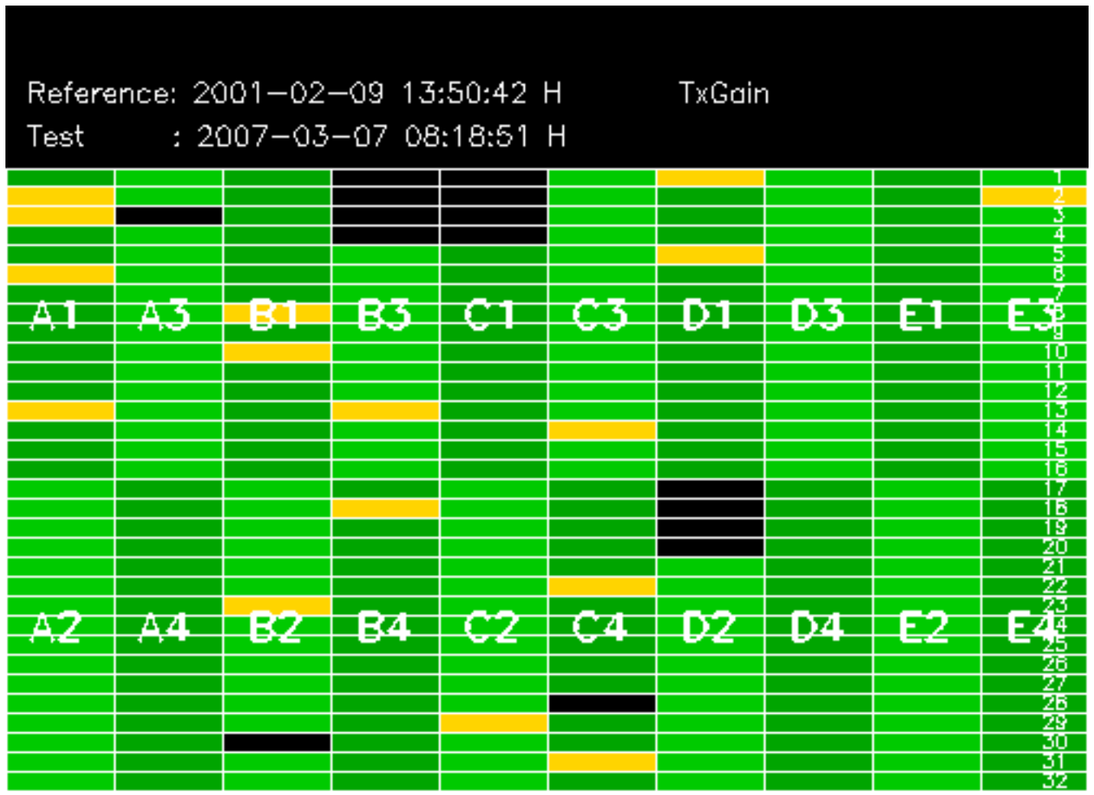

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Feb
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-07 08:18:51 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
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B4
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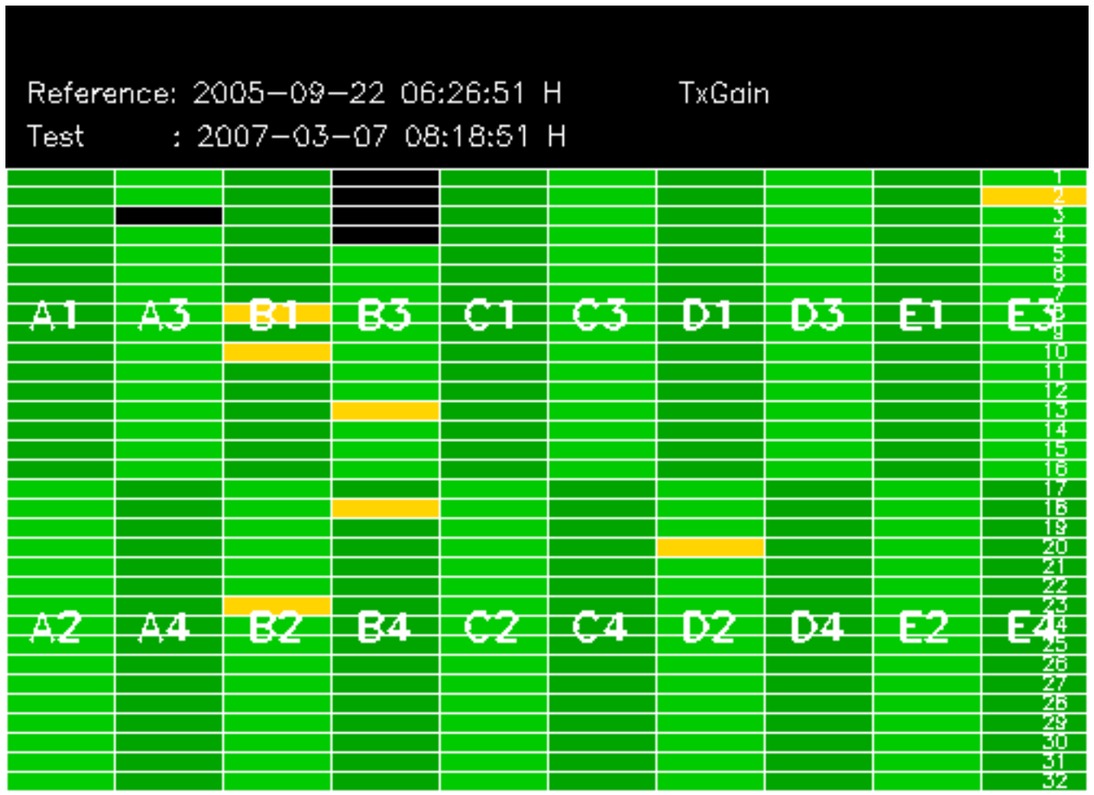
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-07 08:18:51 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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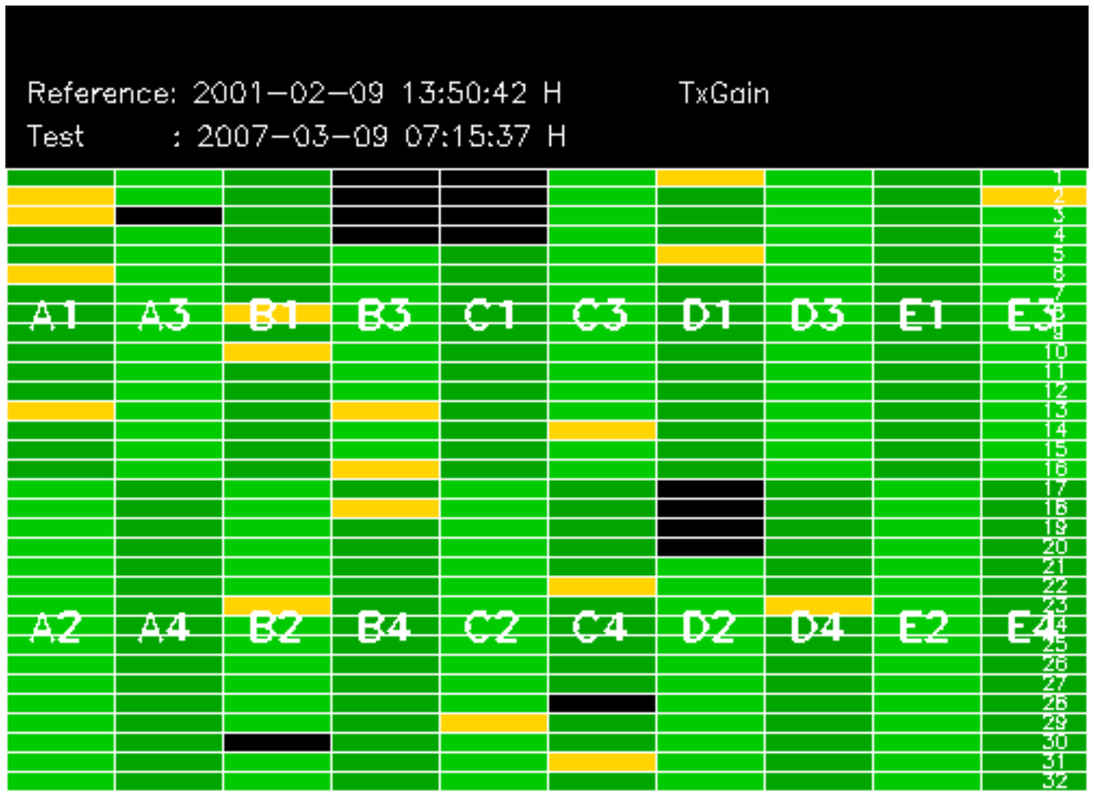
Reference: 2001-02-09 13:50:42 H
Test : 2007-03-09 07:15:37 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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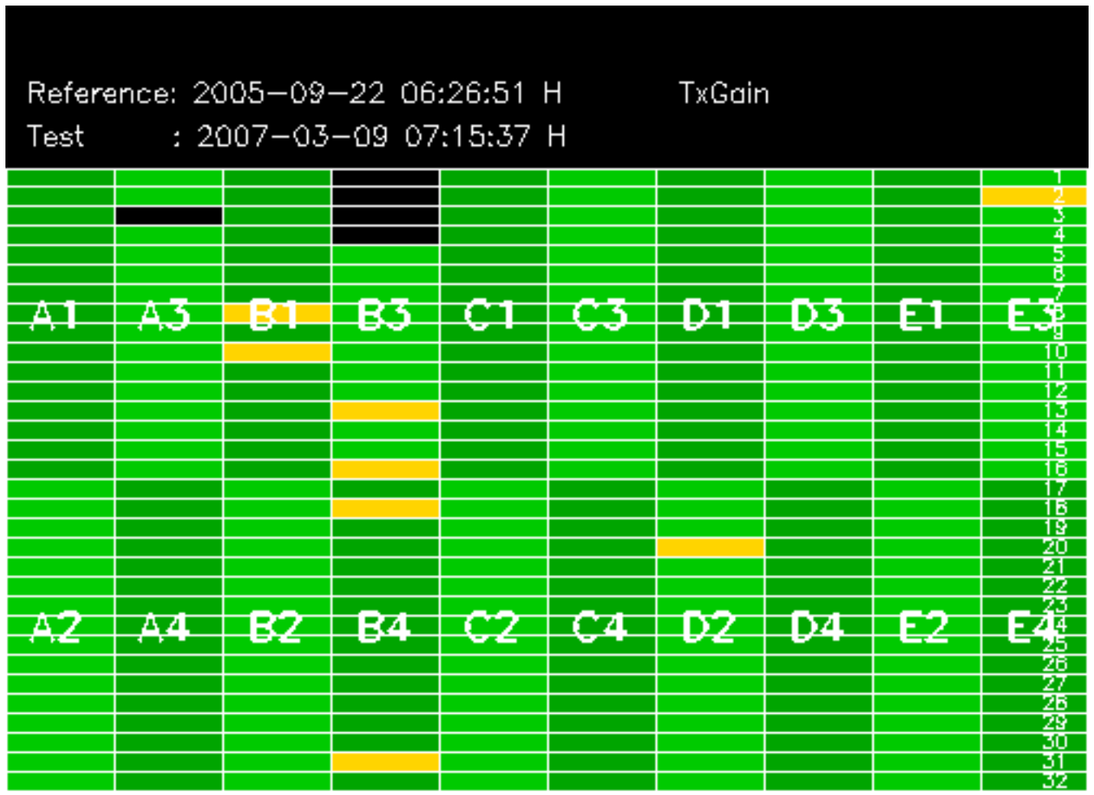
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-09 07:15:37 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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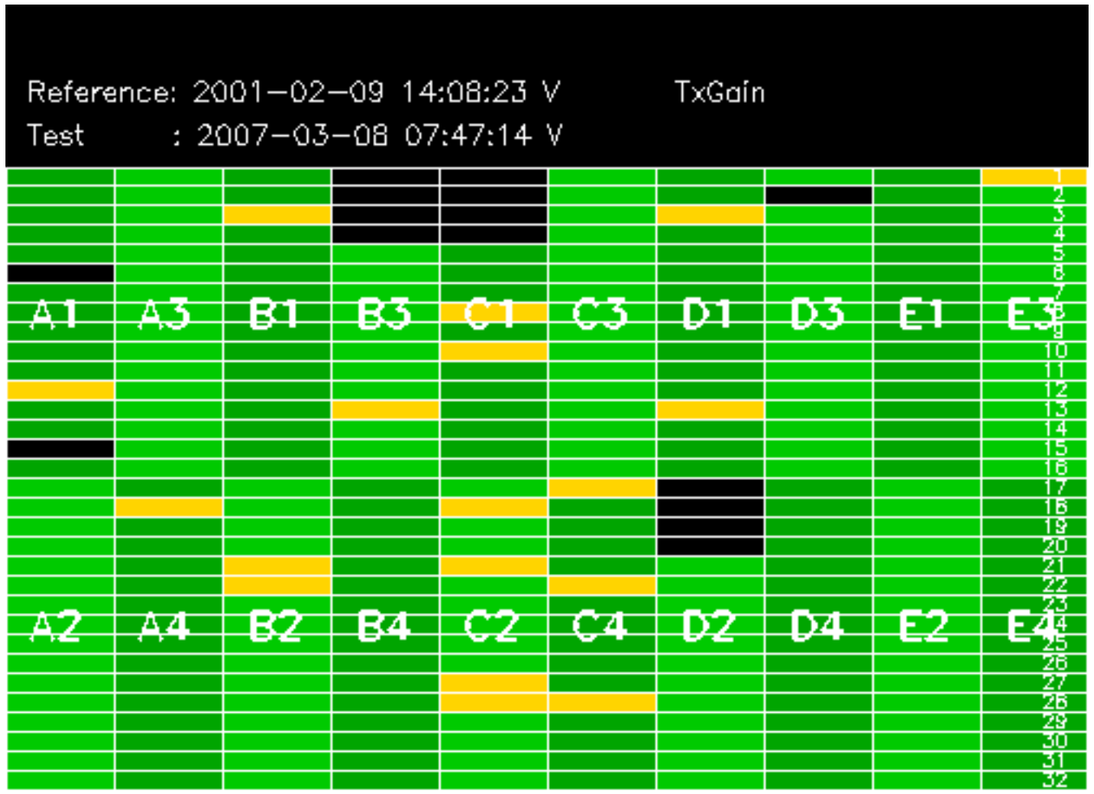
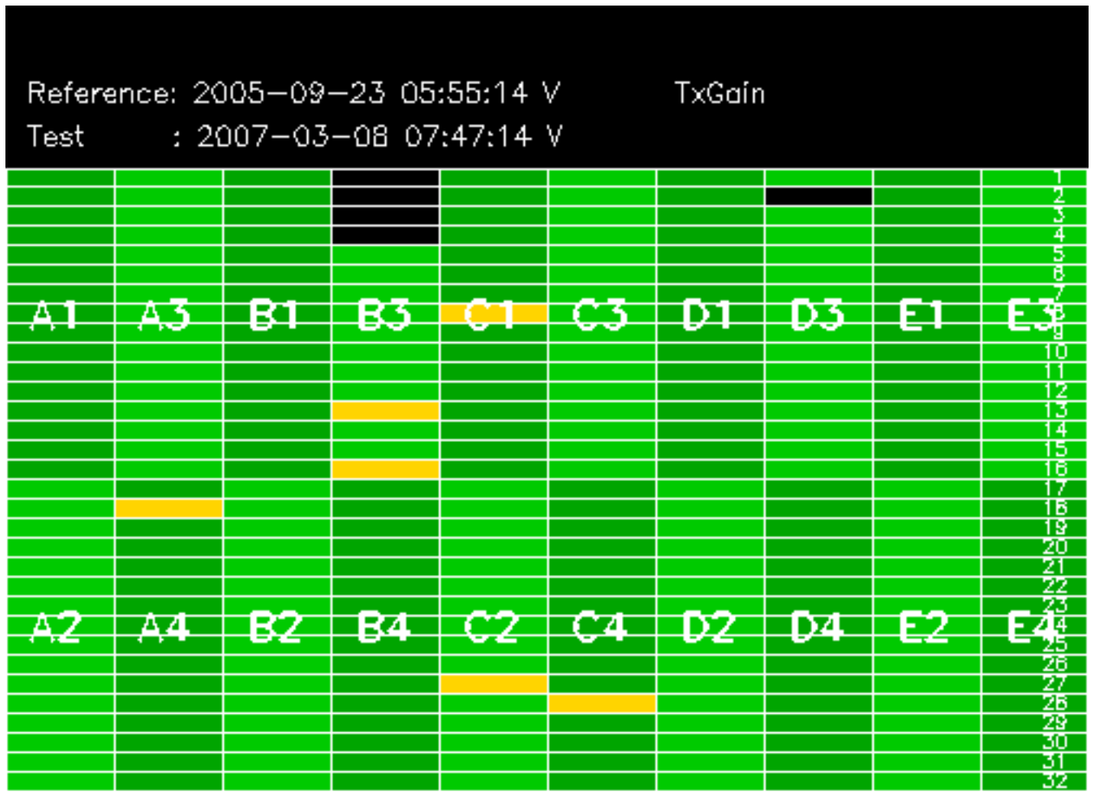

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-08 07:47:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
TxGain
A1
A3
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B3
C1
C3
D1
D3
E1
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Summary of analysis for the last 3 days 2007030[789]
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_1PNPDE20070308_014959_000000802056_00132_26238_4901.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070309_042629_000000782056_00147_26253_6465.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070307_055614_000000672056_00120_26226_4215.N1 </td> <td>5 </td> <td>157 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070307_111810_000000852056_00123_26229_4255.N1 </td> <td>0 </td> <td>72 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070307_171620_000002262056_00127_26233_4397.N1 </td> <td>0 </td> <td>63 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070309_015045_000000852056_00146_26252_6150.N1 </td> <td>0 </td> <td>52 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070307_135748_000000852056_00125_26231_9424.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070308_204806_000000422056_00143_26249_5615.N1 </td> <td>15 </td> <td>257 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070309_011941_000000422056_00146_26252_6027.N1 </td> <td>14 </td> <td>0 </td></tr>
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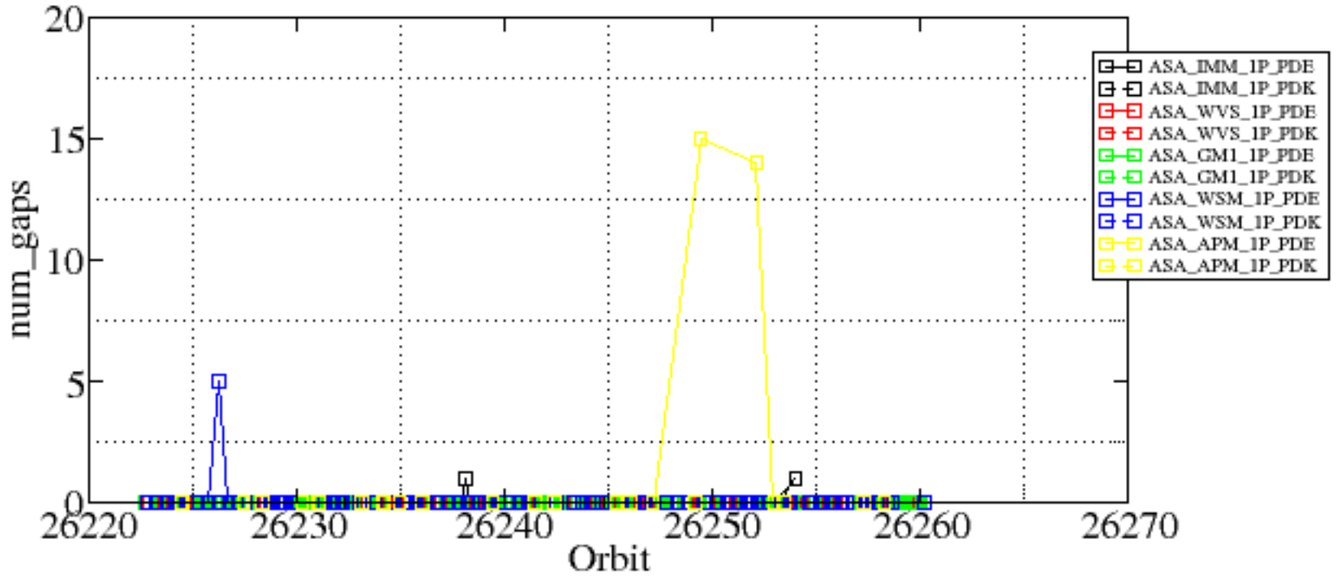
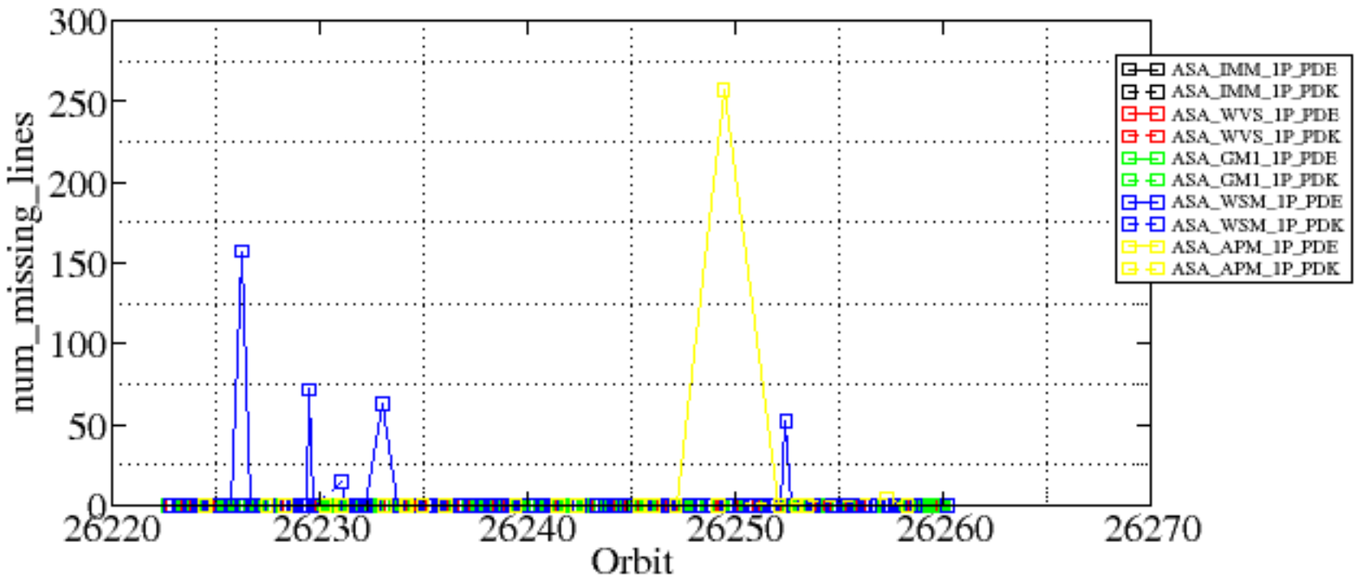
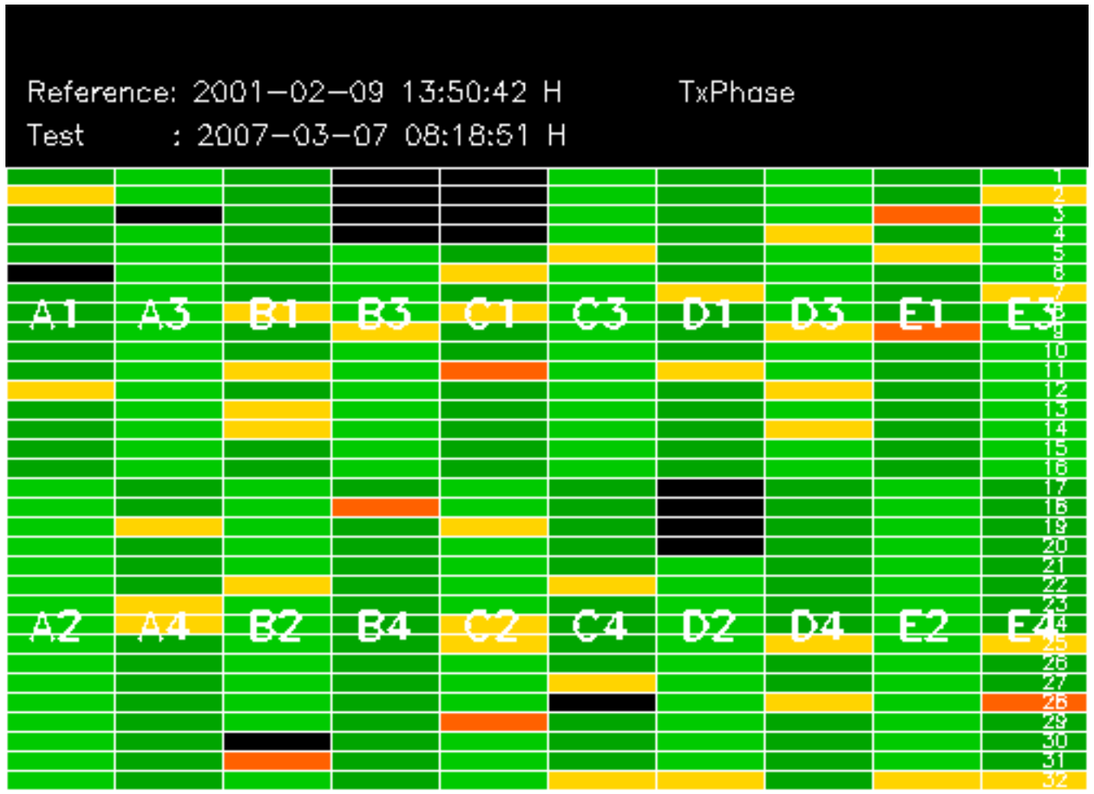
</table>


num_gaps
Orbit
20
15
10
5
0
26220
26230
26240
26250
26260
26270
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
300
250
200
150
100
50
0
26220
26230
26240
26250
26260
26270
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 : 2007-03-07 08:18:51 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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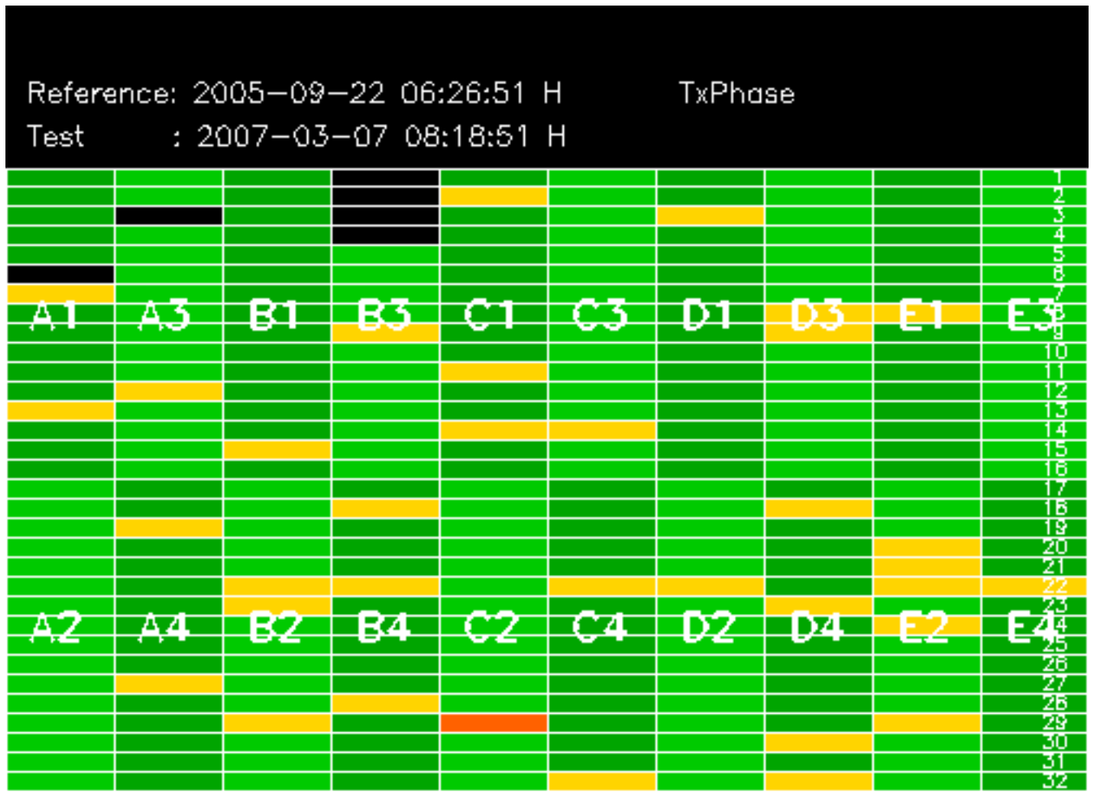
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-07 08:18:51 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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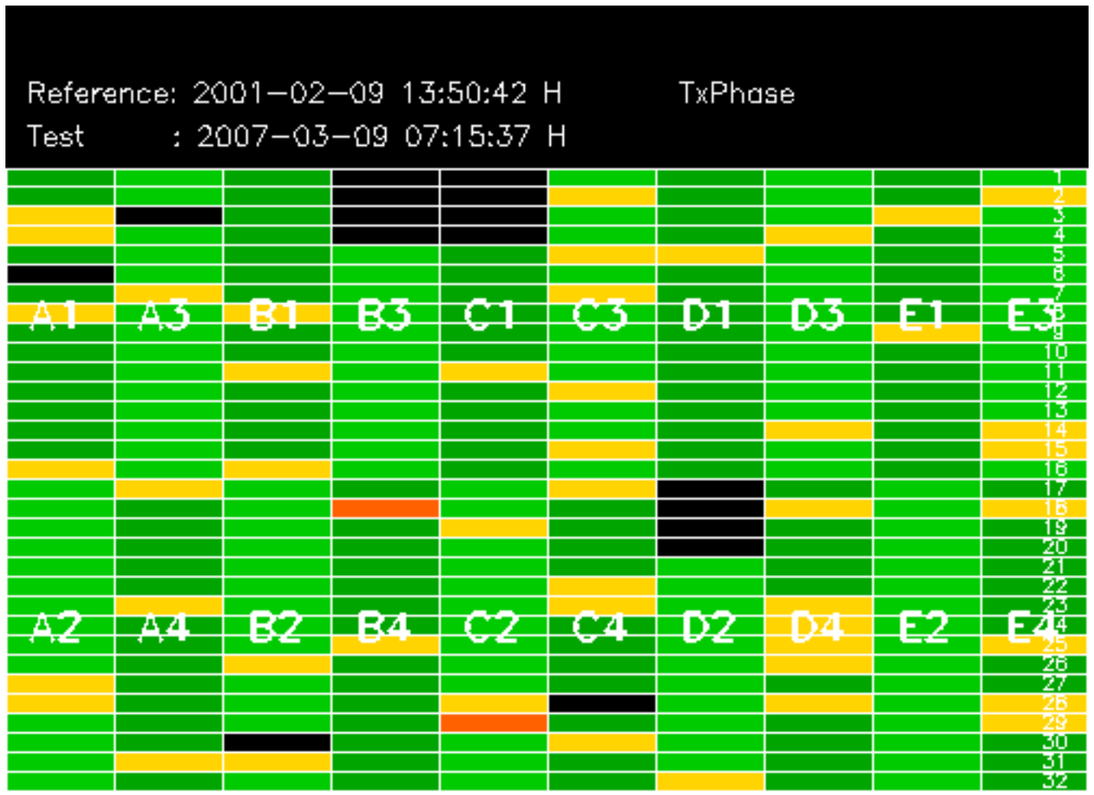
32


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-09 07:15:37 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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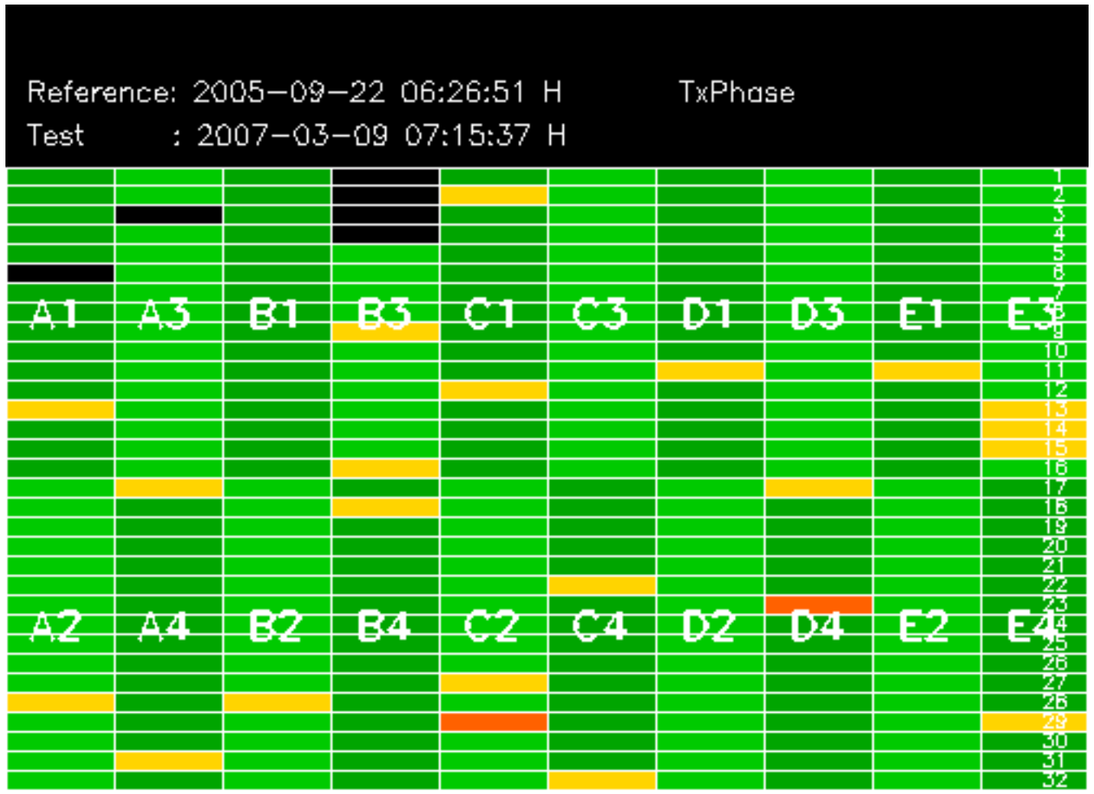
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-09 07:15:37 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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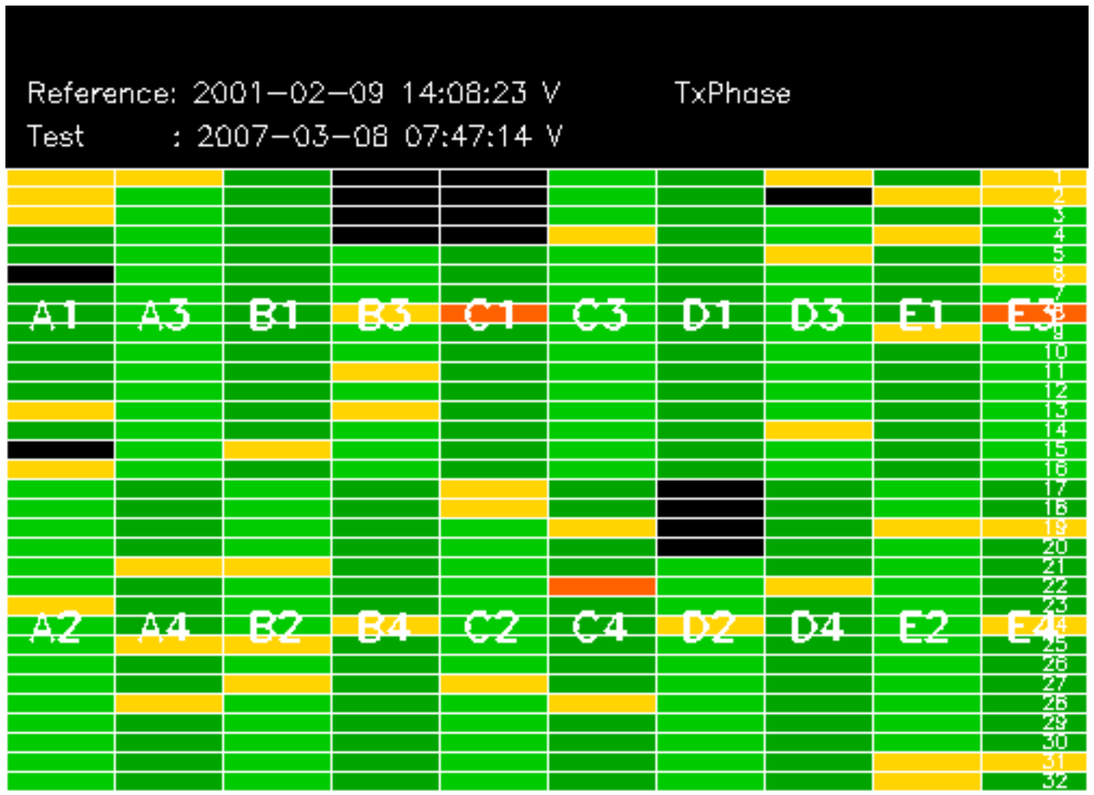
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-03-08 07:47:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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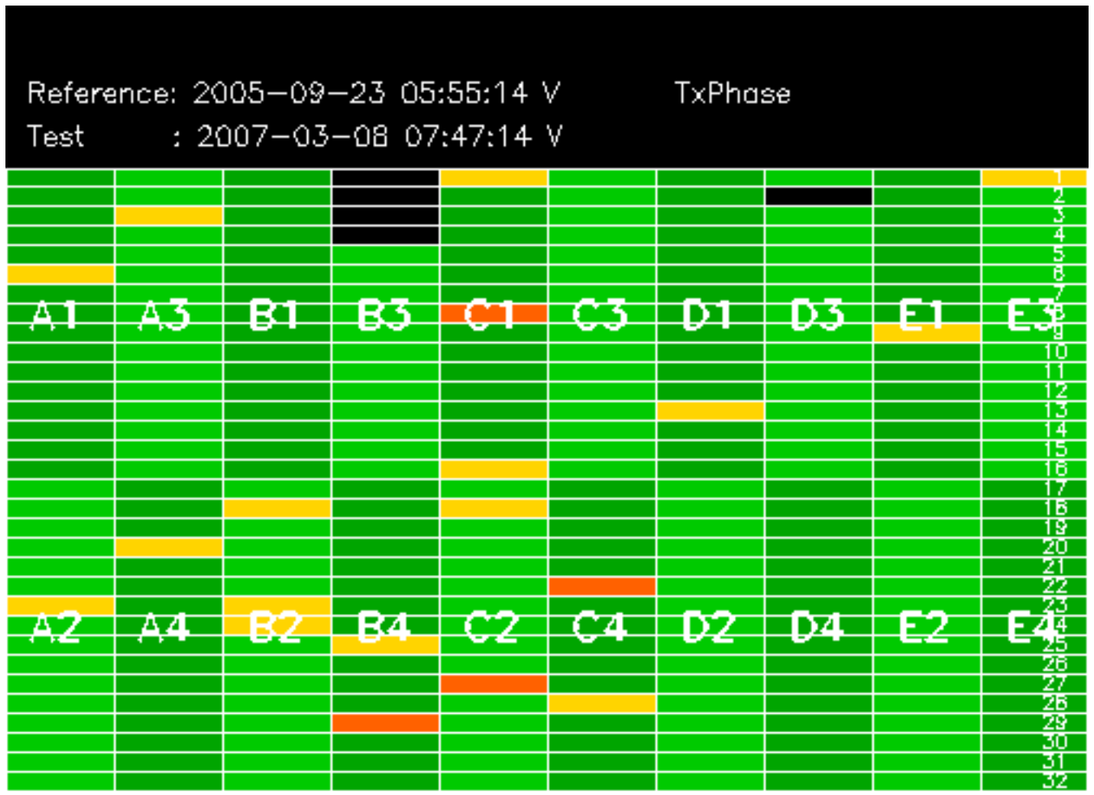
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-08 07:47:14 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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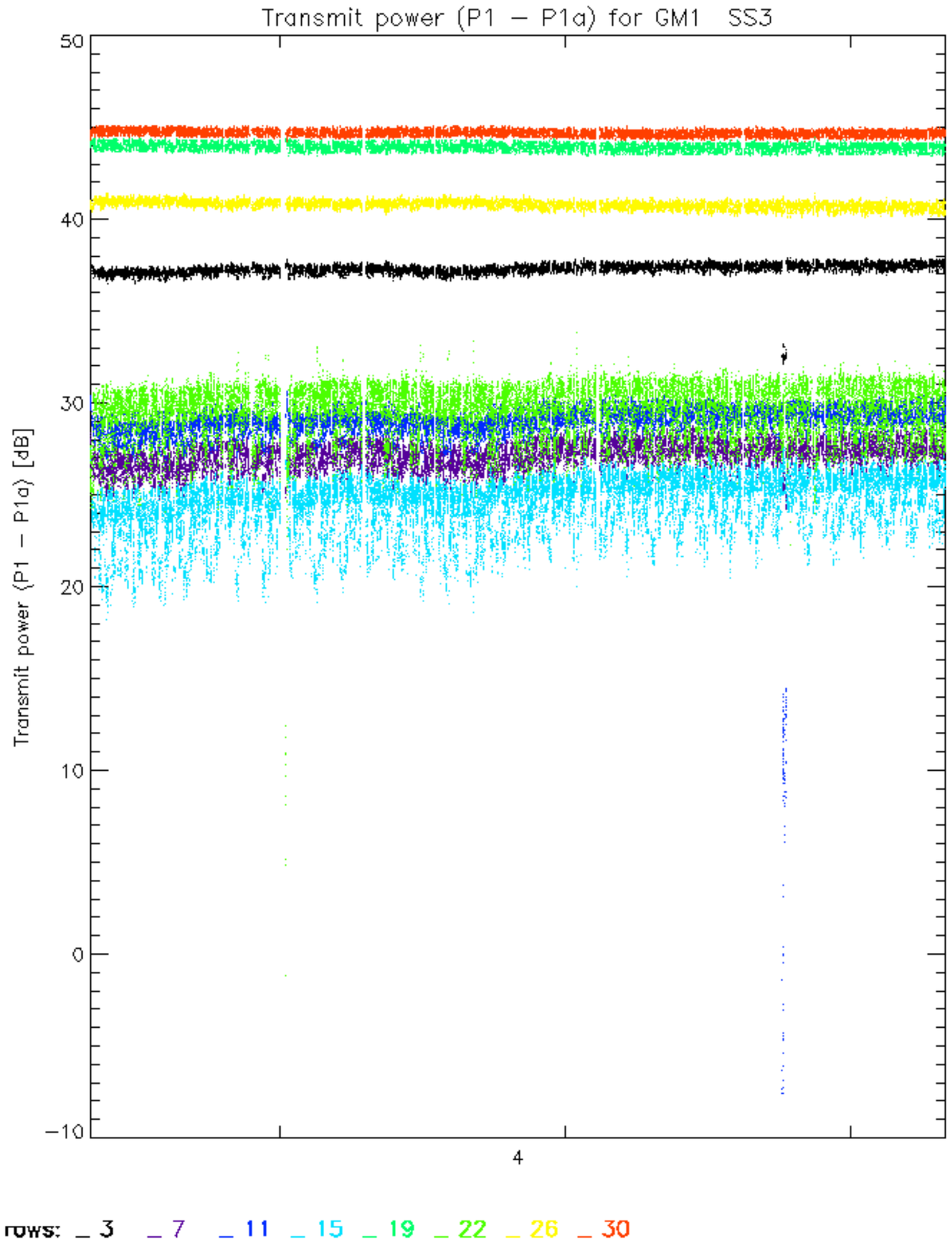
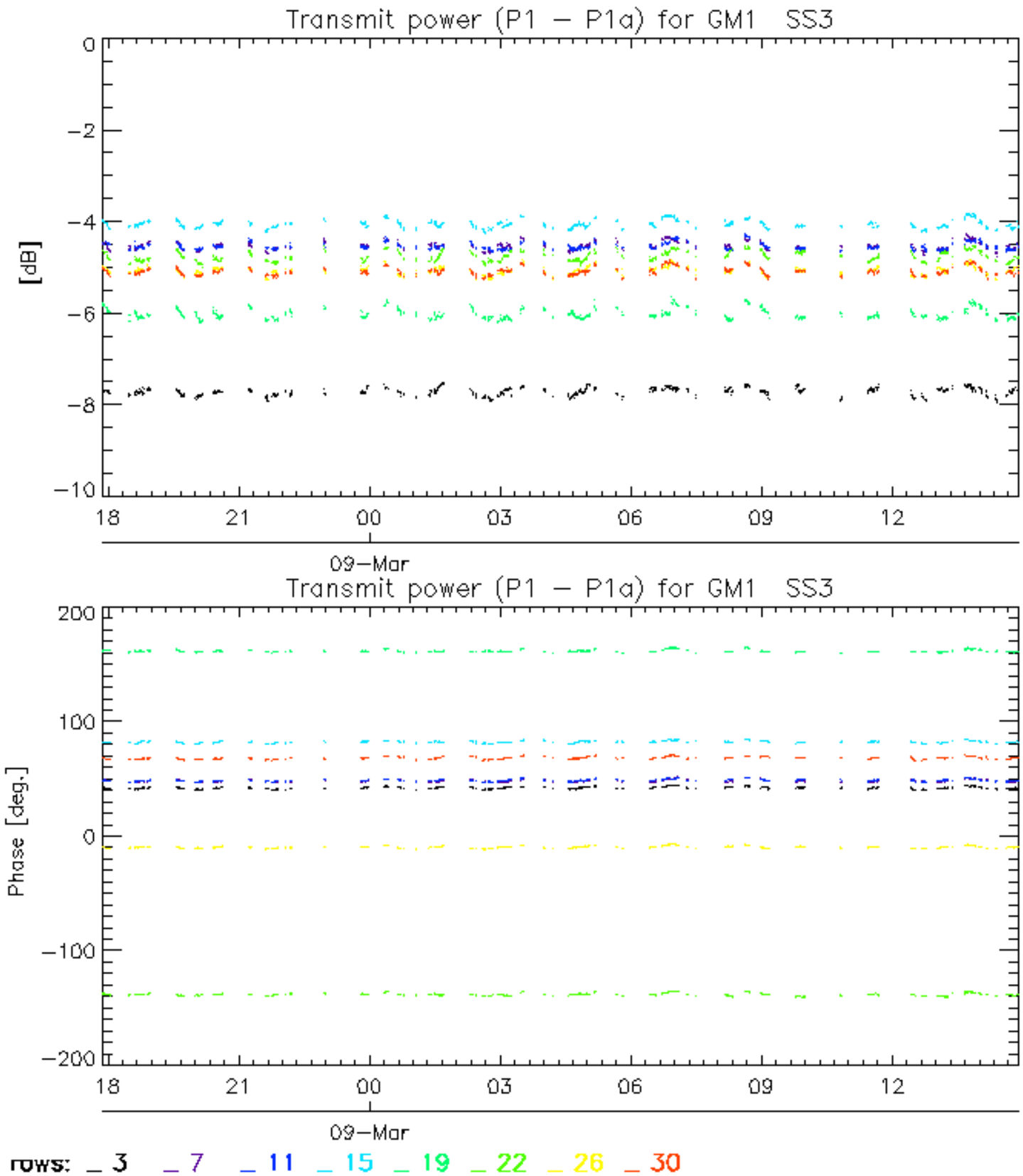
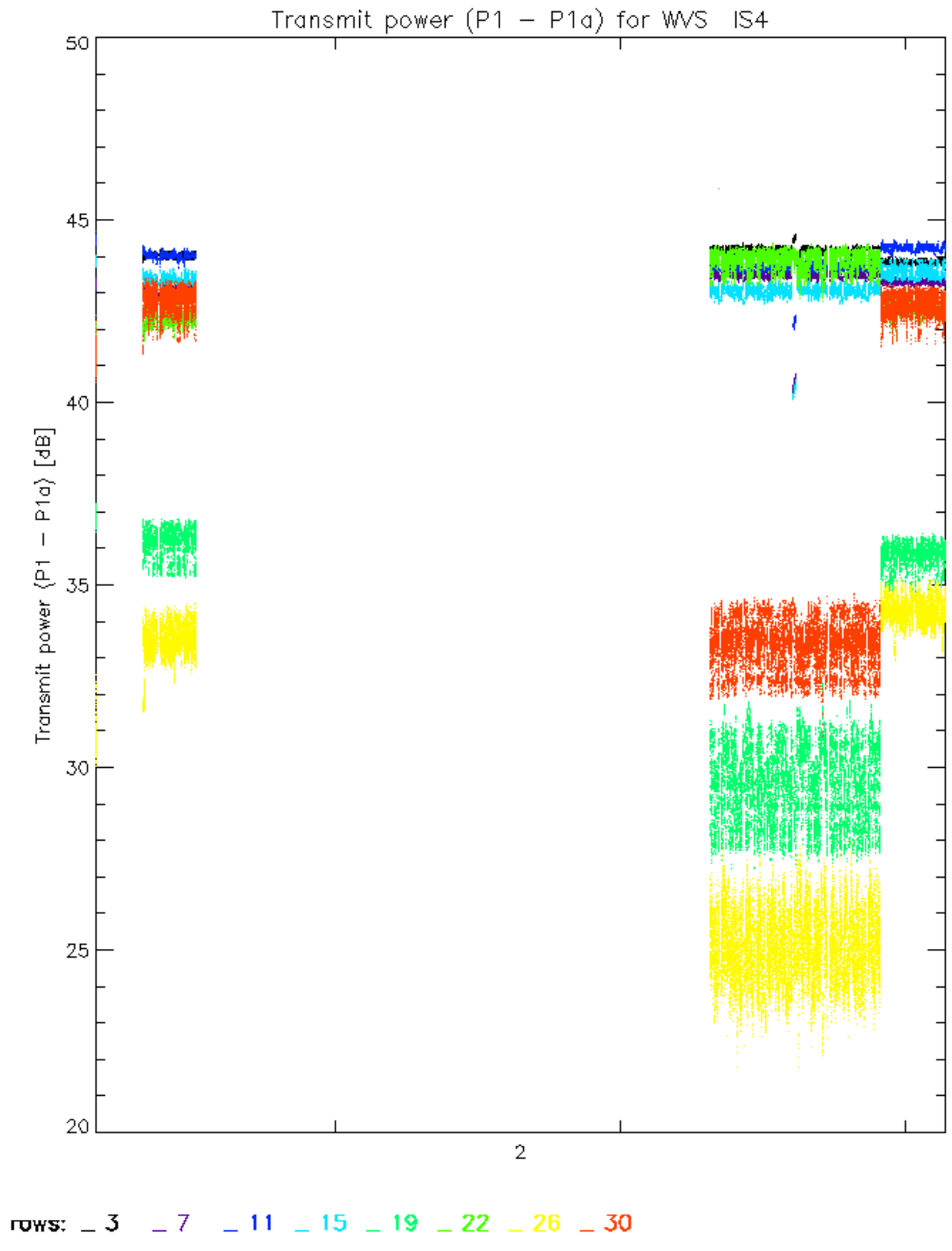
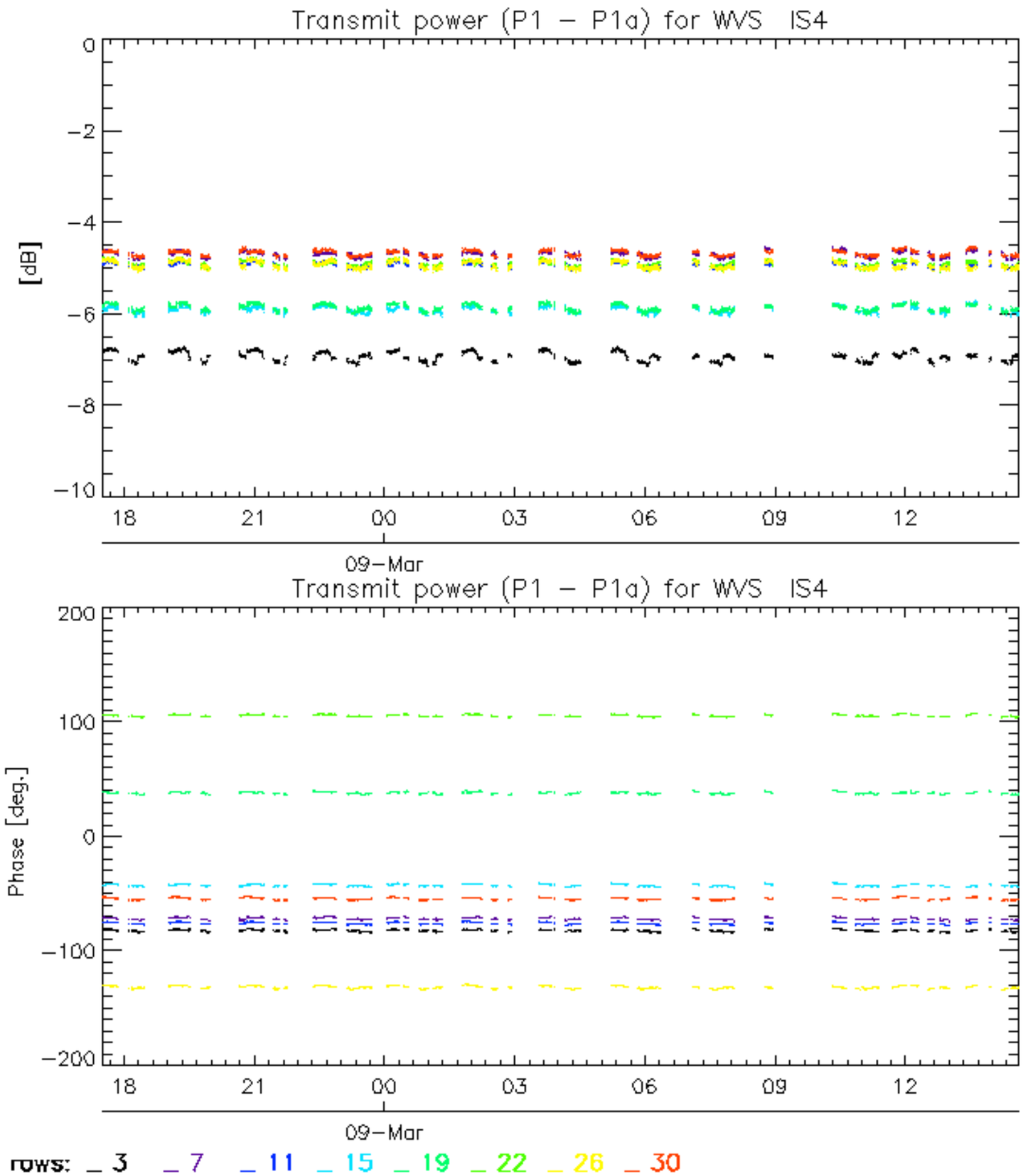

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
4
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS4
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
12
09−Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
09−Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.