PRELIMINARY REPORT OF 070306

last update on Tue Mar 6 17:55:26 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 2007-03-05 00:00:00 to 2007-03-06 17:55:26

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	44	78	6	2	31
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	44	78	6	2	31
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	44	78	6	2	31
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	78	6	2	31

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	41	60	43	12	67
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	41	60	43	12	67
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	41	60	43	12	67
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	60	43	12	67

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	20070306 085028
H	20070305 170940

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	-10.867114	0.279764	-0.328959
7	P1a	-10.126787	0.247243	0.406455
11	P1a	-10.800721	0.121101	0.325973
15	P1a	-11.781859	1.565902	2.848153
19	P1a	-15.022942	1.112902	-2.389022
22	P1a	-19.348454	7.408687	-5.783556
26	P1a	-15.519258	0.507018	0.720541
30	P1a	-20.280136	7.002024	5.904136

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-7.761012	2.154885	-2.661974
7	P1	-2.591645	0.056005	0.219923
11	P1	-3.272197	0.144385	0.794434
15	P1	-4.690048	1.335374	2.641412
19	P1	-3.412947	0.098771	-0.683385
22	P1	-5.367477	0.150197	0.845277
26	P1	-5.359424	0.725253	-1.958019
30	P1	-5.451327	0.068451	0.424732

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.779285	0.486326	-0.977944
7	P2	-21.856779	0.124859	-0.413346
11	P2	-10.793584	0.137449	-0.589227
15	P2	-5.092228	0.084223	-0.111508

19	P2	-7.226278	0.082638	-0.063748
22	P2	-8.355442	0.082846	0.158937
26	P2	-24.151312	0.133100	-0.584771
30	P2	-21.658110	0.068567	0.066727

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.221955	0.008112	-0.023415
7	P3	-8.221955	0.008112	-0.023415
11	P3	-8.221955	0.008112	-0.023415
15	P3	-8.221955	0.008112	-0.023415
19	P3	-8.221955	0.008112	-0.023415
22	P3	-8.221955	0.008112	-0.023415
26	P3	-8.221955	0.008112	-0.023415
30	P3	-8.221955	0.008112	-0.023415

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	-11.103093	0.068698	0.219160
7	P1a	-10.051225	0.135942	-0.032088
11	P1a	-10.639876	0.066892	-0.079437
15	P1a	-10.898693	0.134439	-0.141113
19	P1a	-15.719298	0.068322	0.102246
22	P1a	-20.841978	1.181083	-0.188156
26	P1a	-15.342752	0.267529	0.222607
30	P1a	-18.374702	0.346802	-0.101334

P1\t Cyclic statistics

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

3	P1	-8.194858	0.659659	-1.301824
7	P1	-2.430059	0.022465	0.031348
11	P1	-2.909300	0.019656	-0.044854
15	P1	-3.826715	0.040049	-0.049772
19	P1	-3.552006	0.011739	0.002886
22	P1	-5.035521	0.023131	-0.035471
26	P1	-5.974406	0.025743	0.057984
30	P1	-5.278944	0.021822	0.022440

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.003304	0.189707	-0.625312
7	P2	-21.965857	0.055271	0.075328
11	P2	-10.653471	0.030917	0.032031
15	P2	-4.817949	0.027268	0.001630
19	P2	-6.810869	0.029306	0.018734
22	P2	-8.105312	0.034540	0.080455
26	P2	-24.261326	0.035493	-0.081586
30	P2	-21.751909	0.037352	0.068171

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.045751	0.003584	-0.018854
7	P3	-8.045803	0.003598	-0.018539
11	P3	-8.045871	0.003589	-0.019030
15	P3	-8.045743	0.003601	-0.019197
19	P3	-8.045873	0.003591	-0.019381
22	P3	-8.045880	0.003587	-0.018962
26	P3	-8.045707	0.003590	-0.019269
30	P3	-8.045804	0.003598	-0.018910

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	0.000625215
	stdev	2.35326e-07
MEAN Q	mean	0.000391958
	stdev	2.56641e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.110416
	stdev	0.00248828
STDEV Q	mean	0.110465
	stdev	0.00254226

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007030[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_GM1_1PNPDK20070305_083800_000004282056_00093_26199_6587.N1	0	7
ASA_WSM_1PNPDE20070305_003950_000002632056_00088_26194_1182.N1	0	32
ASA_WSM_1PNPDE20070305_145917_000000862056_00097_26203_1705.N1	0	12
ASA_WSM_1PNPDE20070305_163937_000001712056_00098_26204_1751.N1	0	17
ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2390.N1	47	7122
ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2498.N1	47	7122
ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2650.N1	47	7122

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

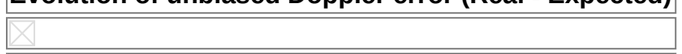
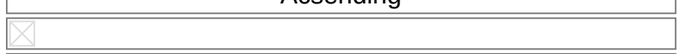
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

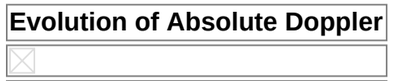
7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

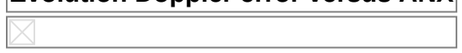
Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

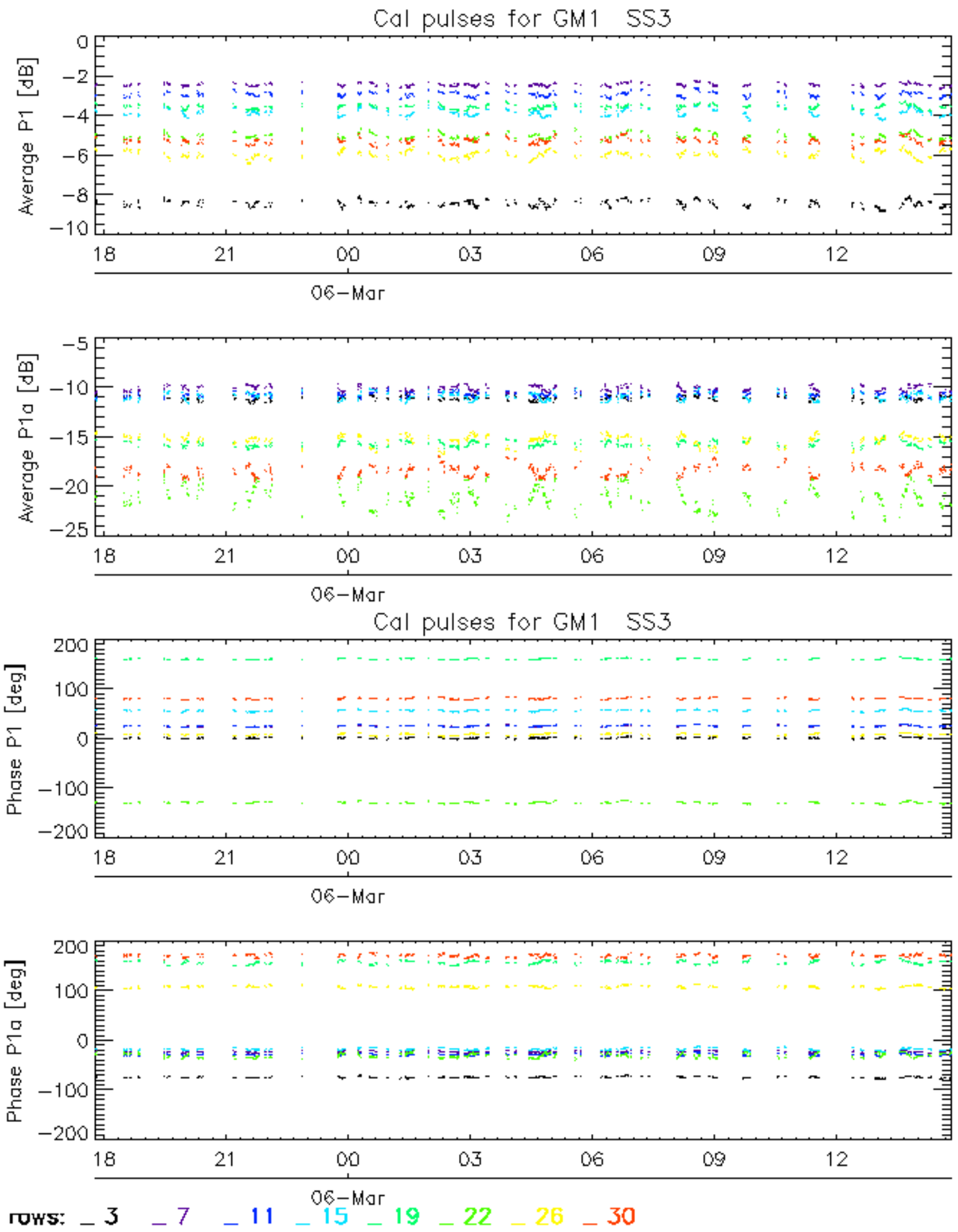
7.5 - Absolute Doppler for GM1

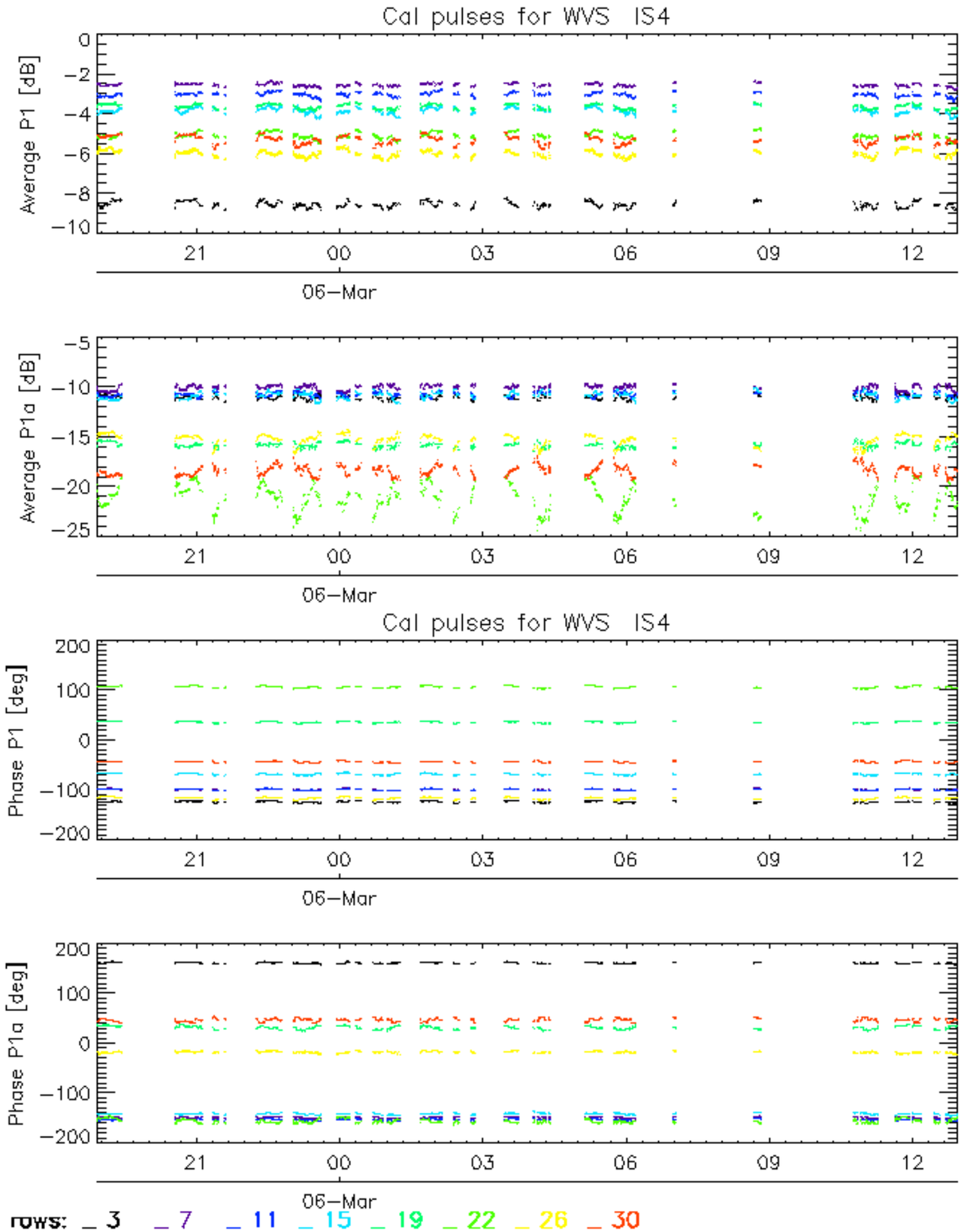
Evolution of Absolute Doppler

Acsending

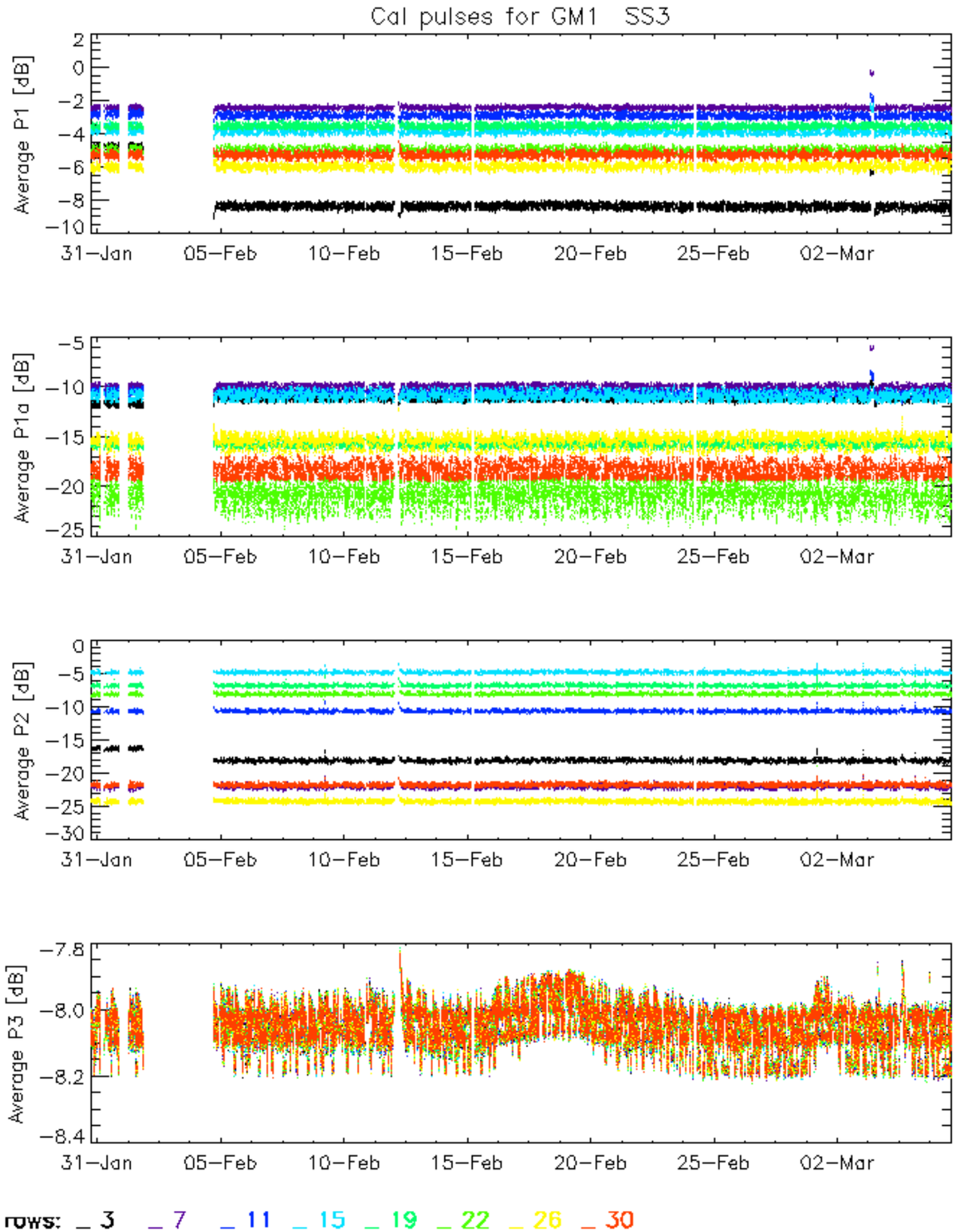
Descending

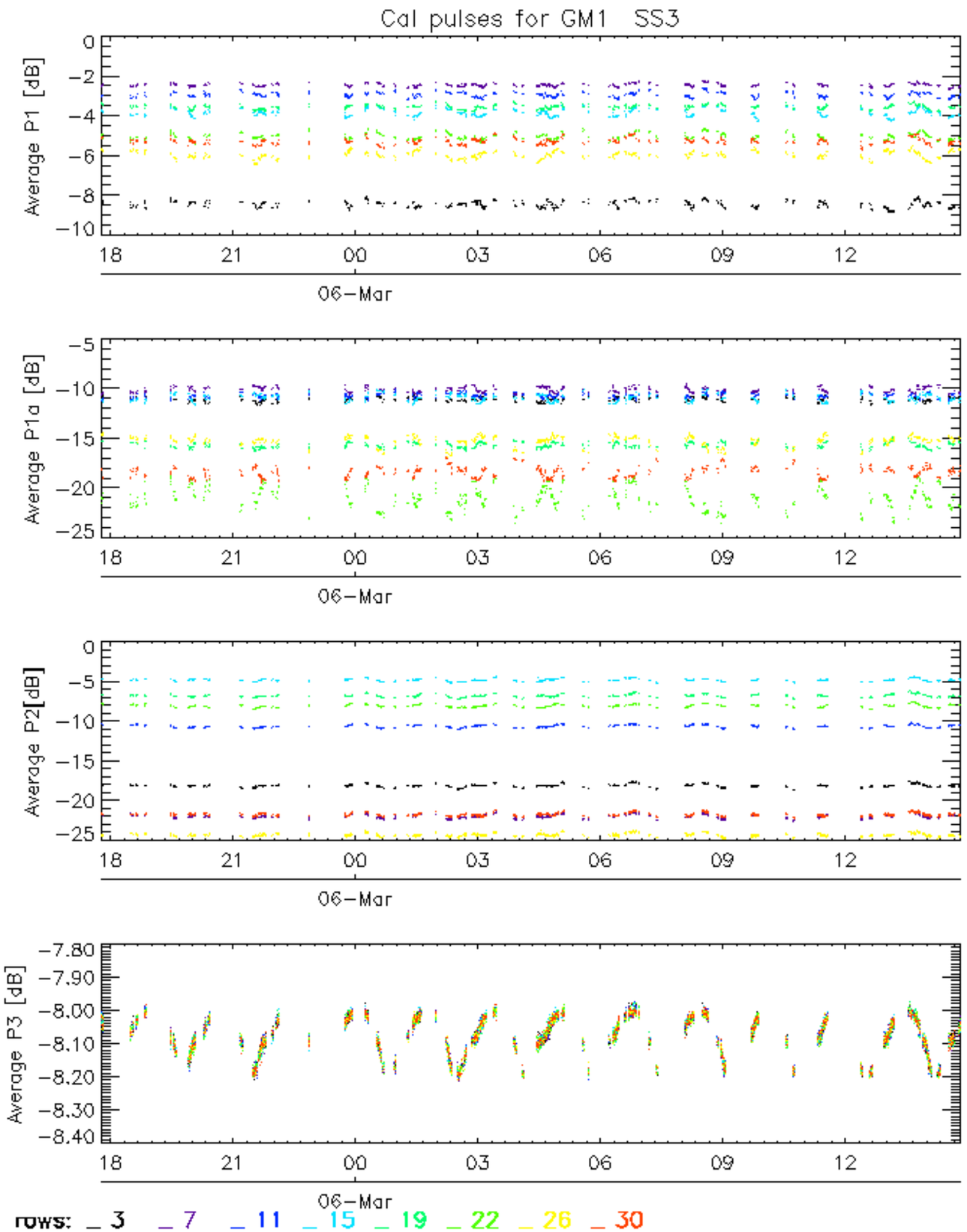
7.6 - Doppler evolution versus ANX for GM1

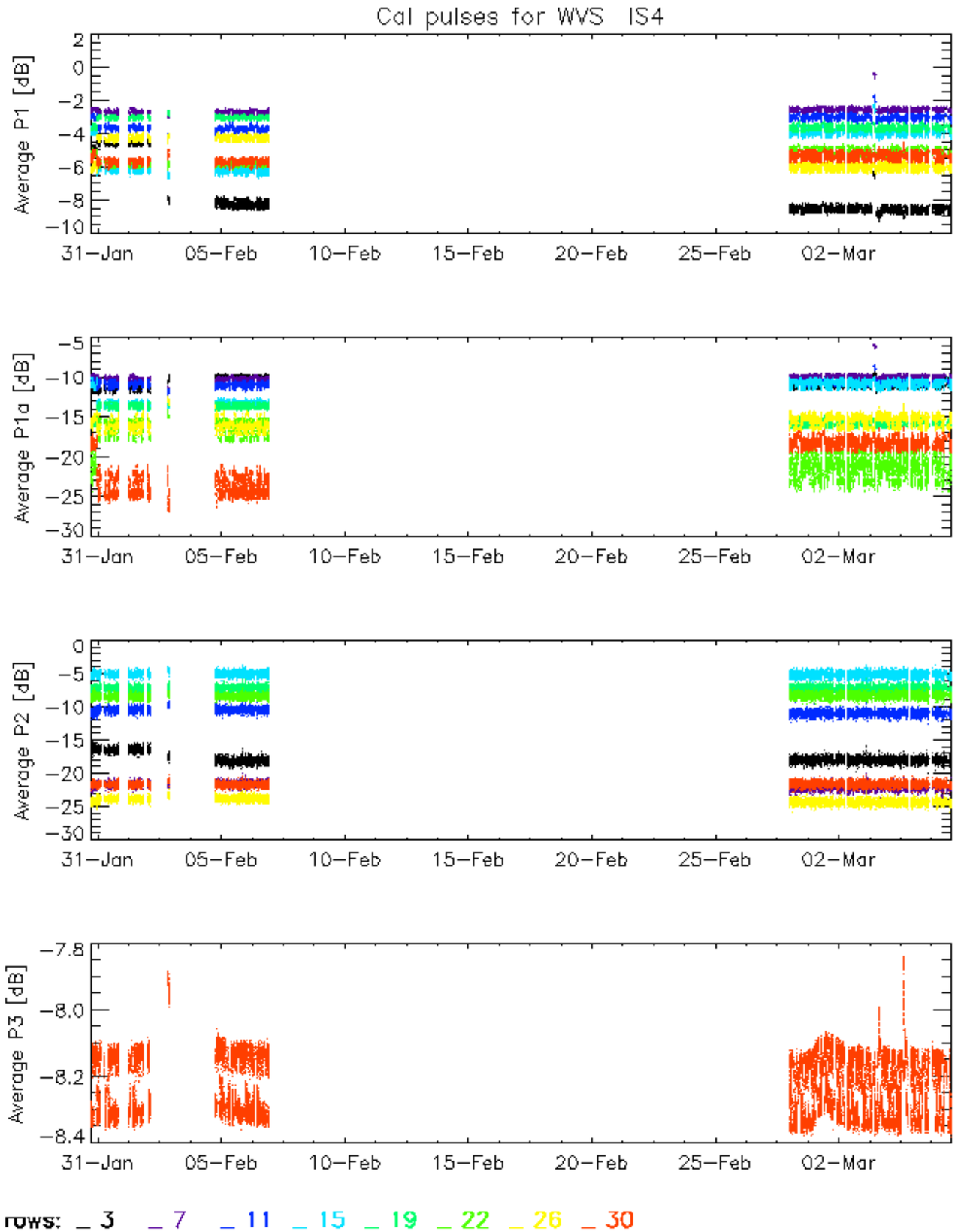
Evolution Doppler error versus ANX


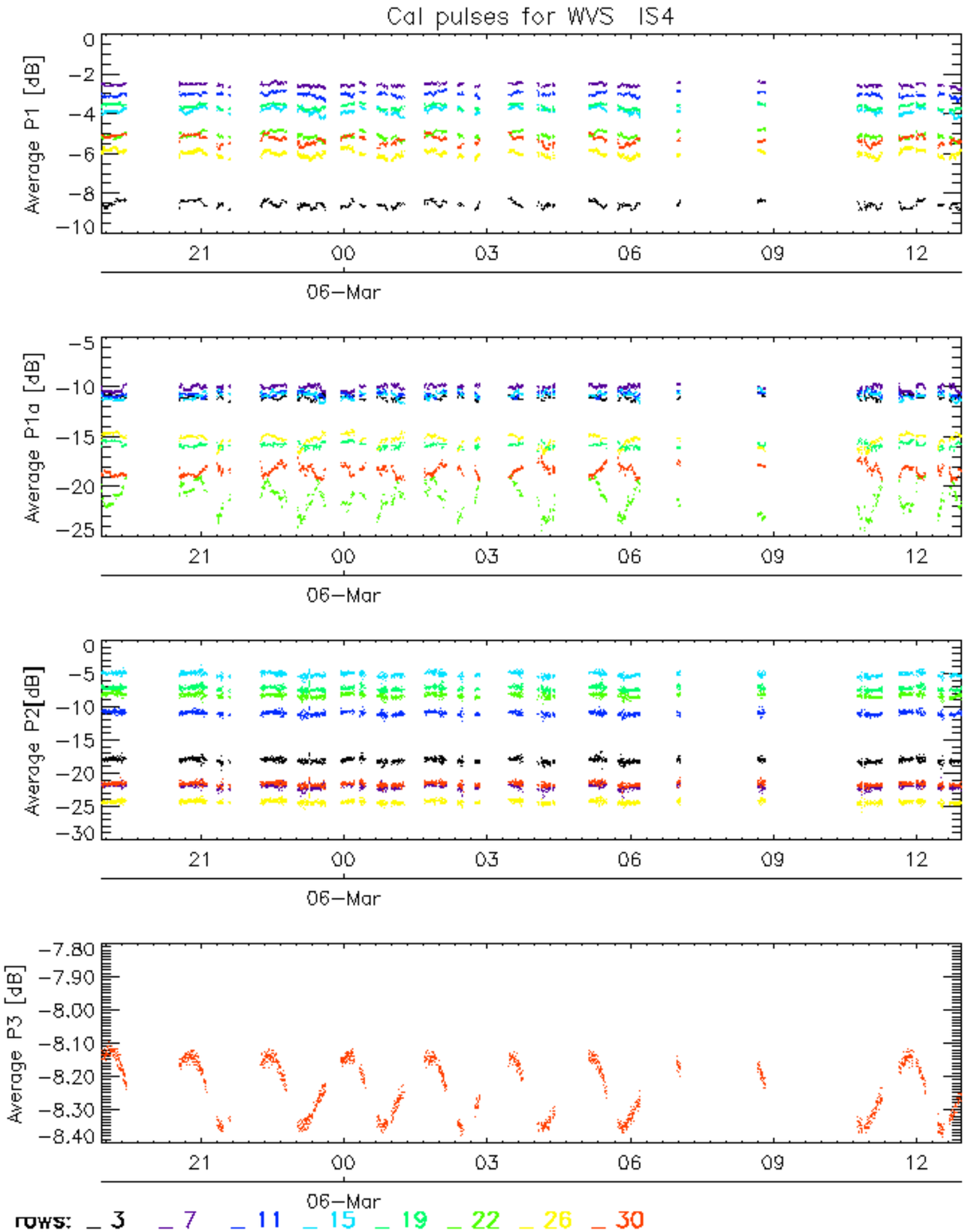

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
06−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
06−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
06−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
06−Mar
rows: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


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

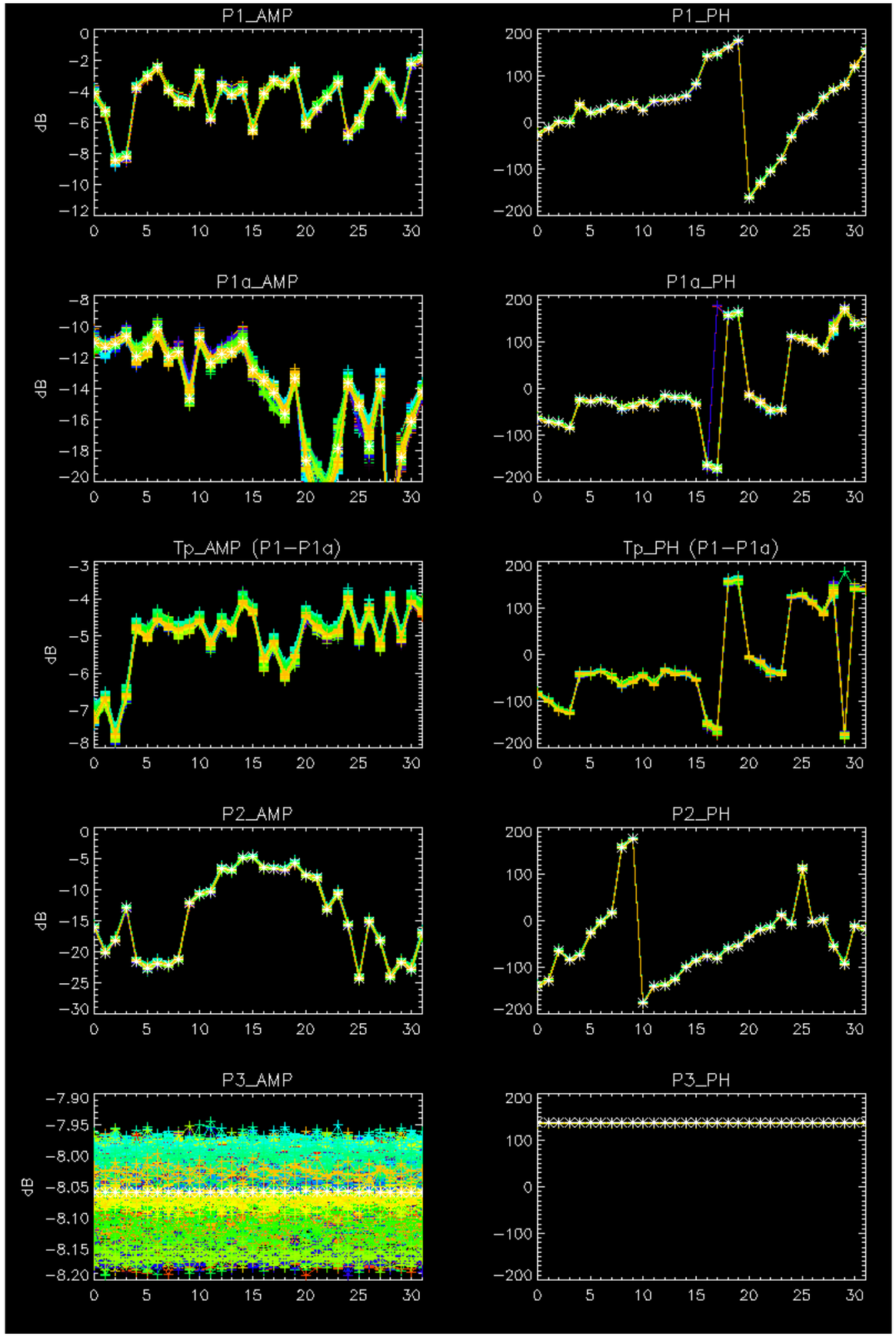

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
06−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
06−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
06−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
06−Mar
rows: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

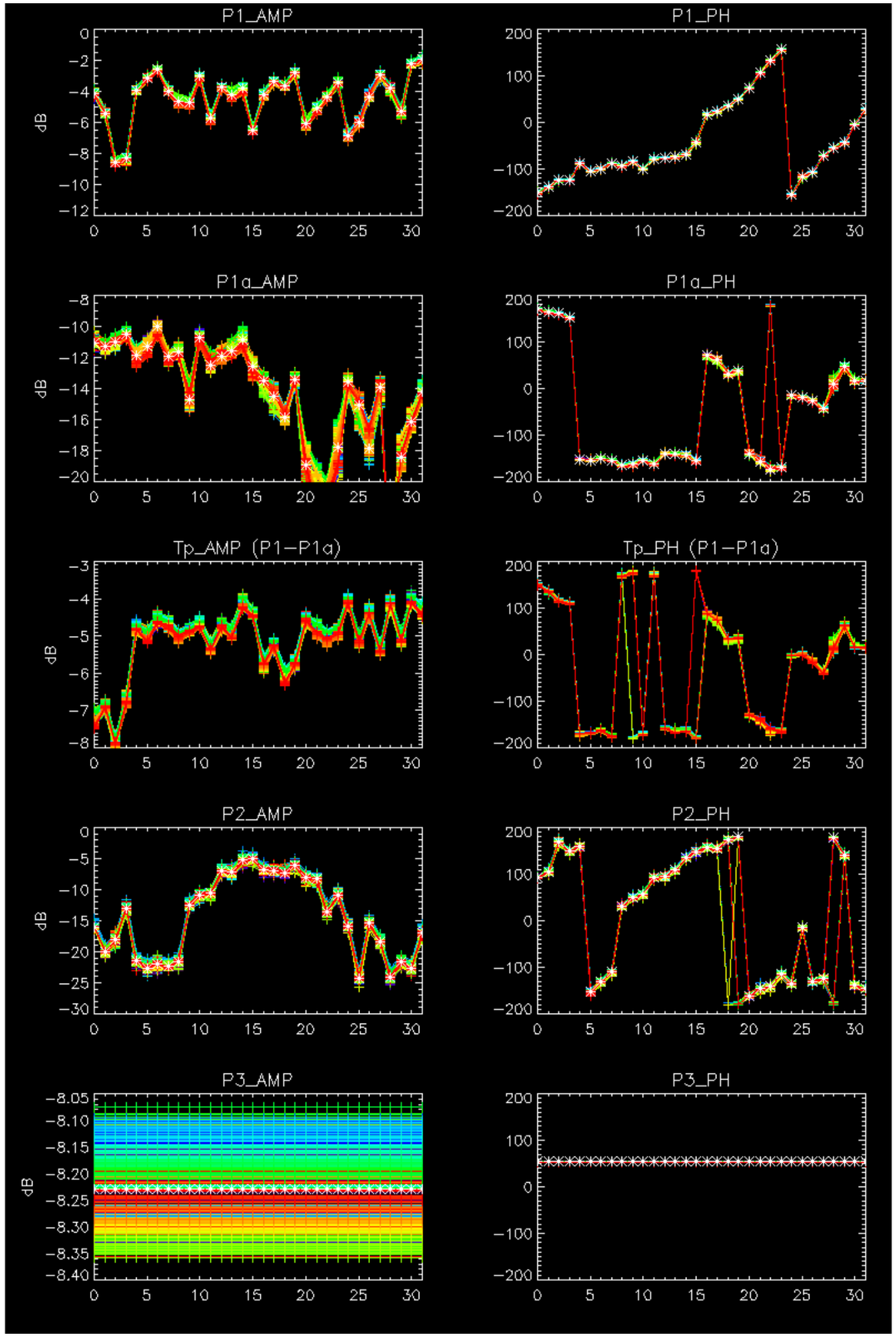

Cal pulses for WVS IS4
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
21
00
03
06
09
12
06−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
21
00
03
06
09
12
06−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
21
00
03
06
09
12
06−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
21
00
03
06
09
12
06−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

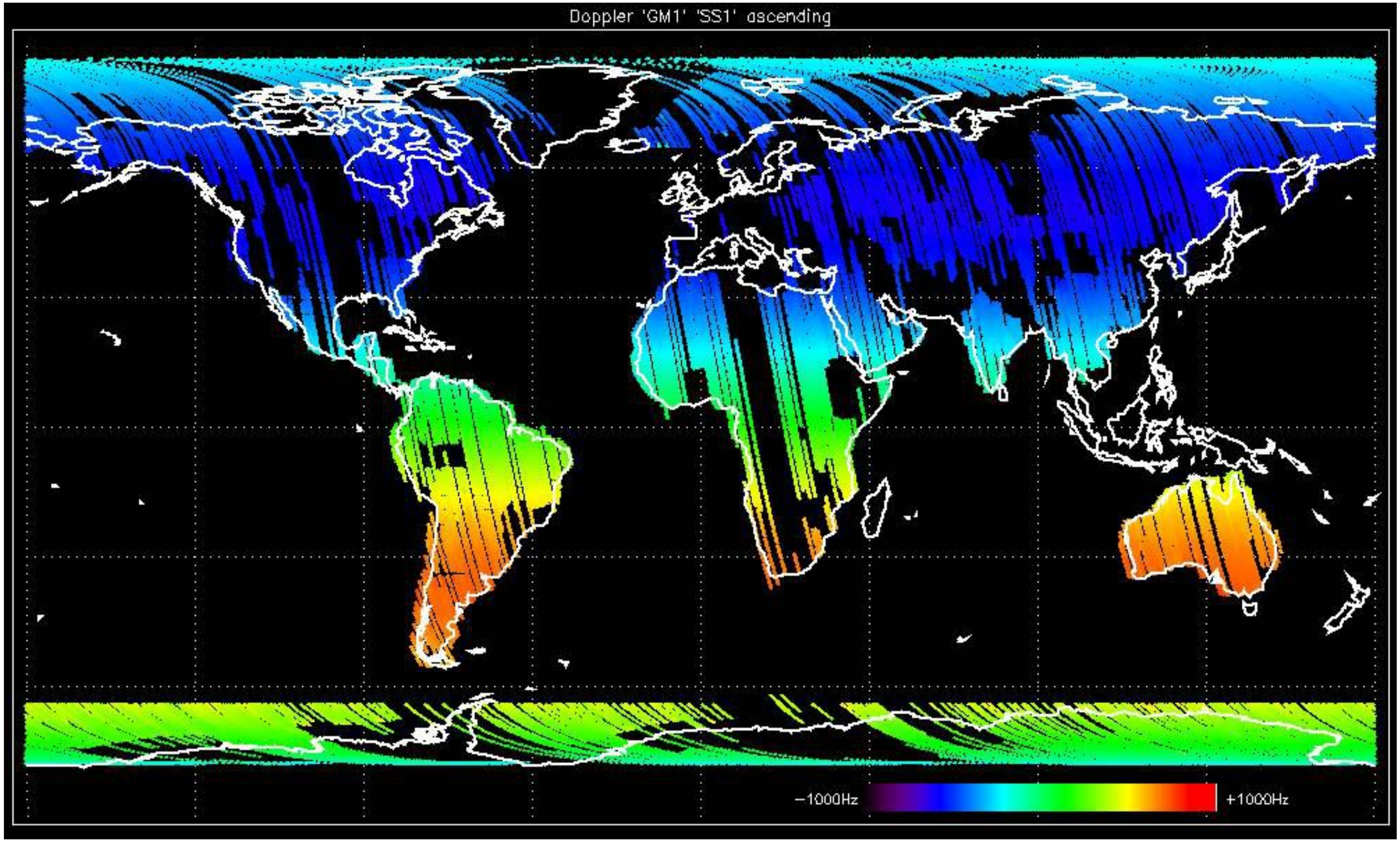
No anomalies observed.

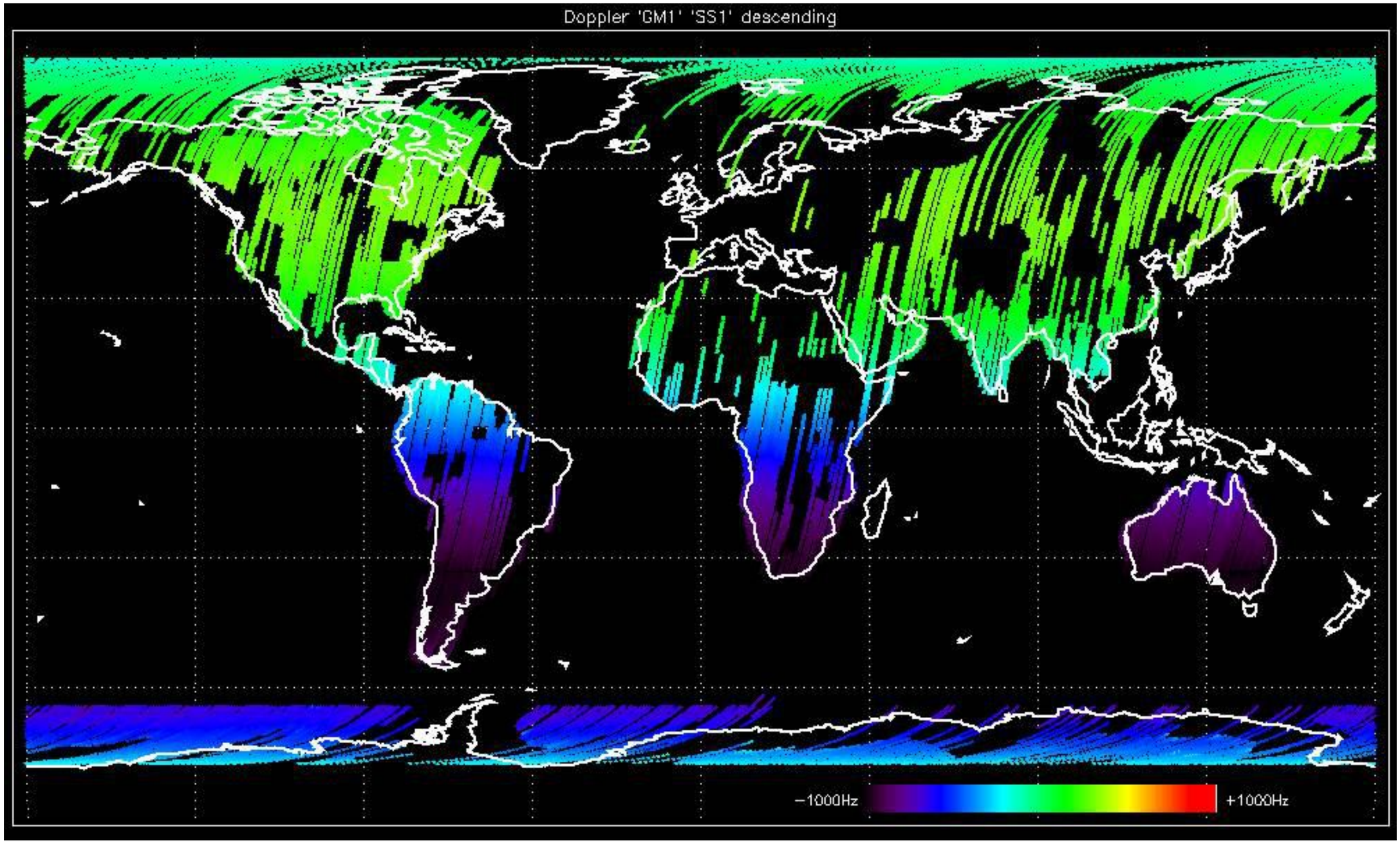

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

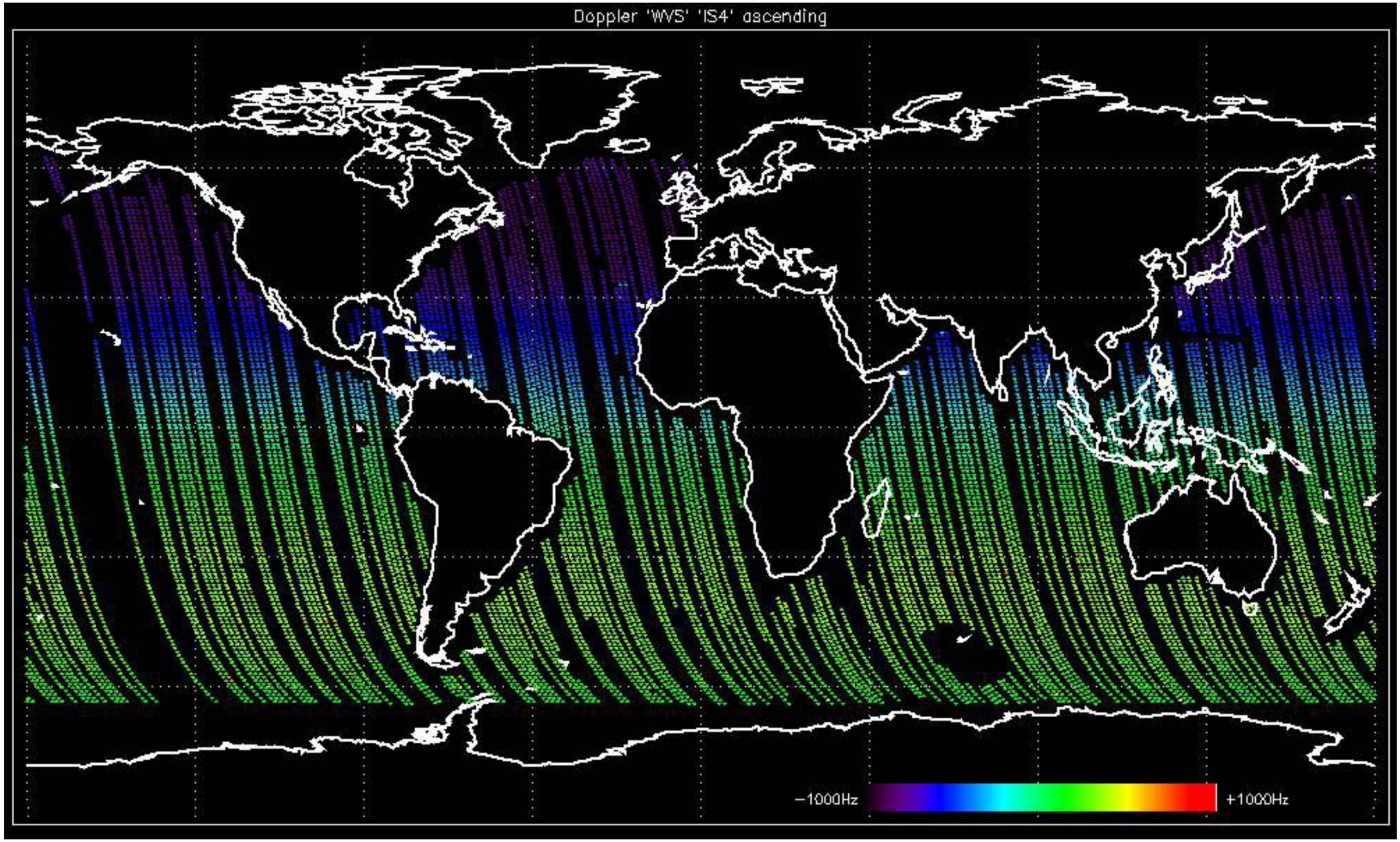

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

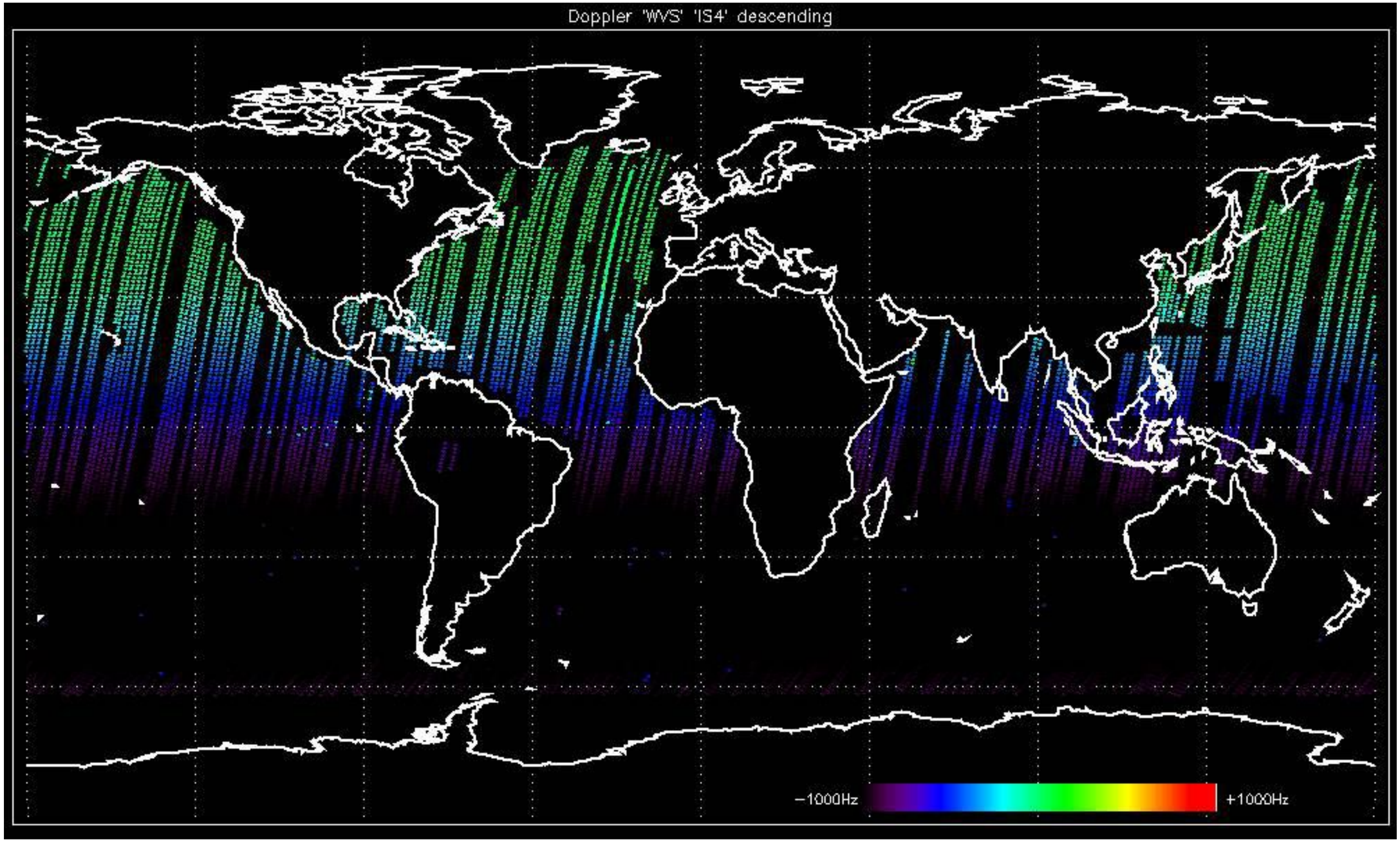
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

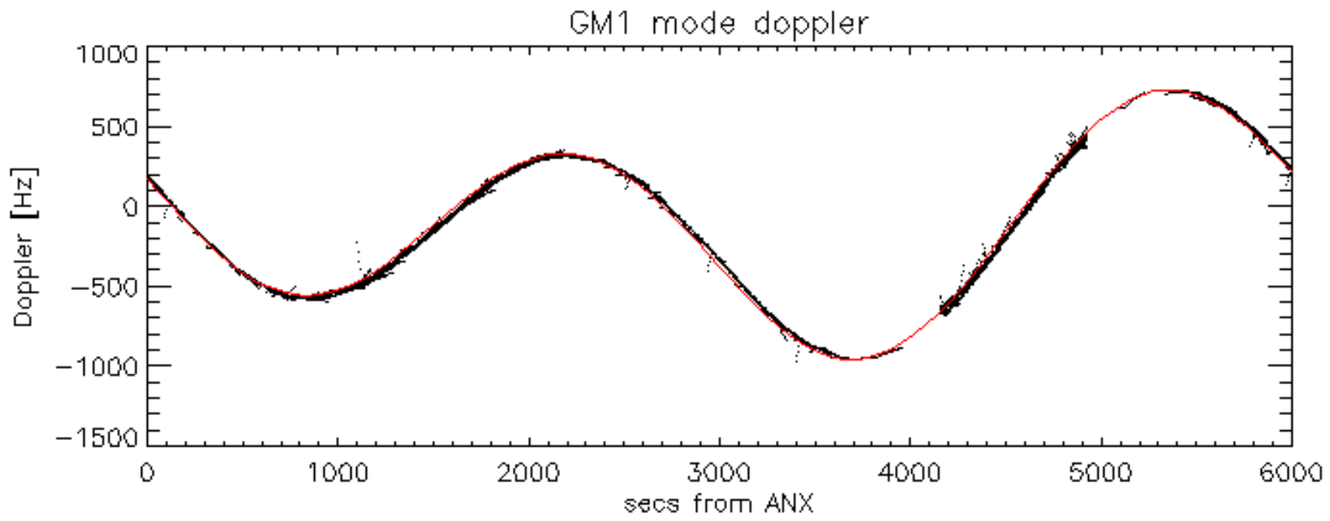
Preliminary report.The data is not yet controled

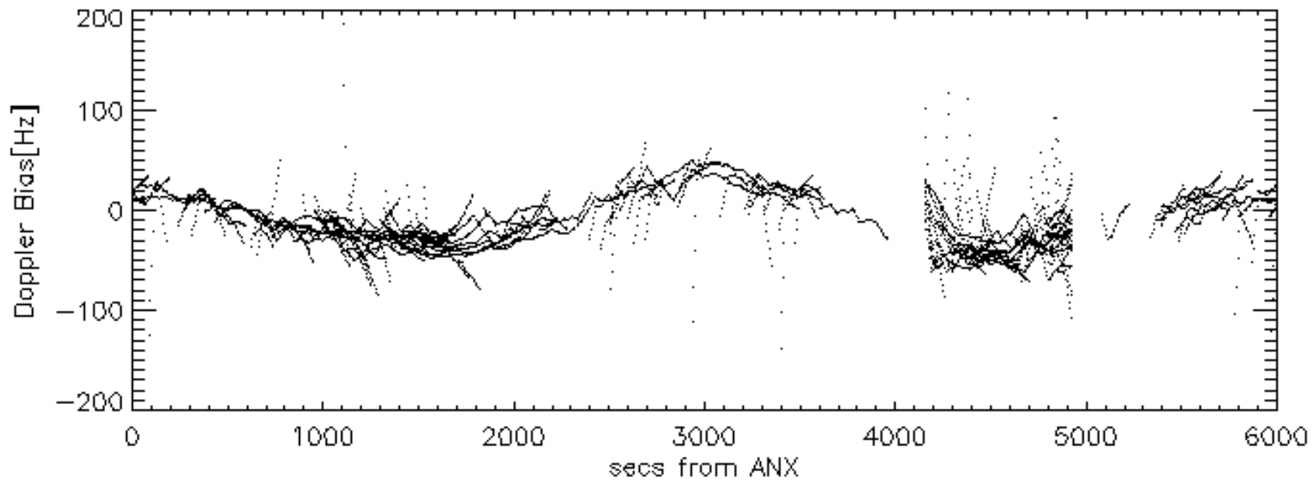

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

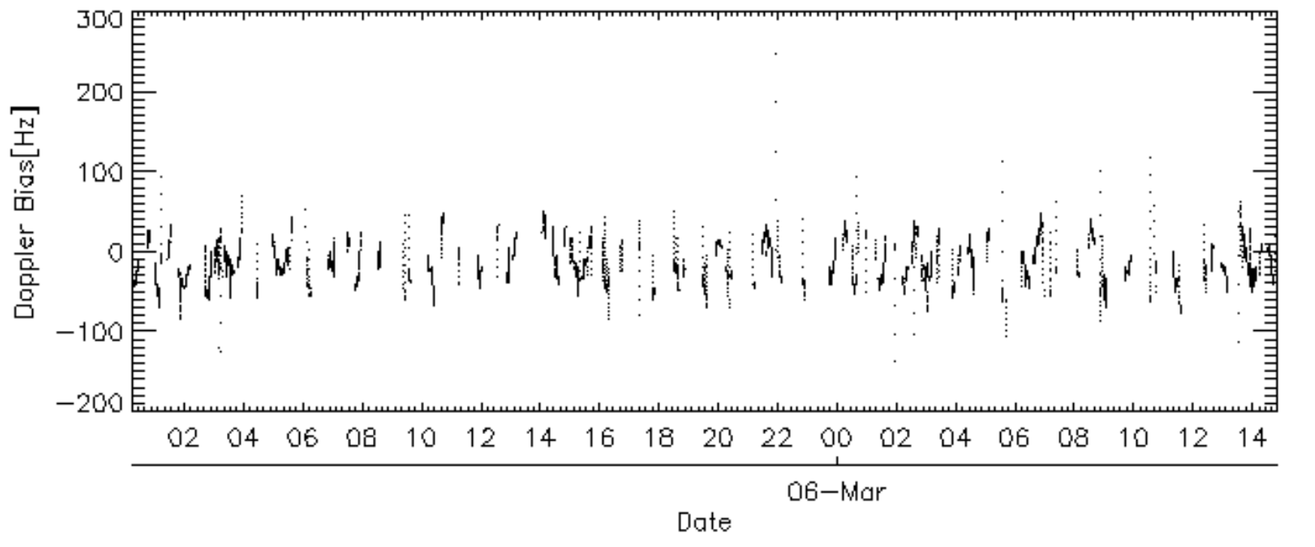

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

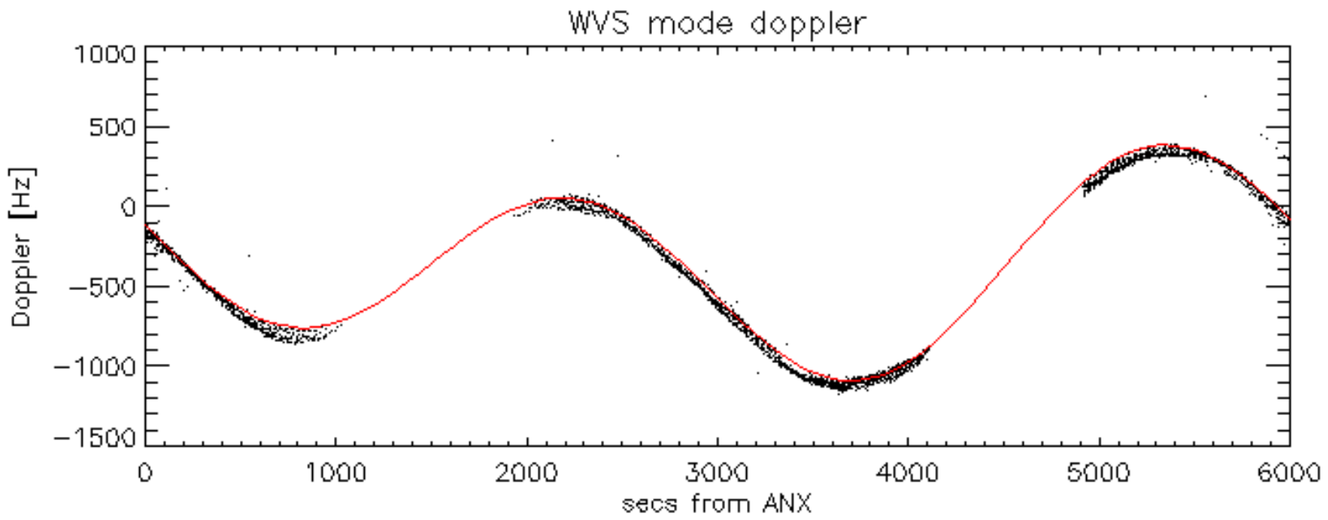

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

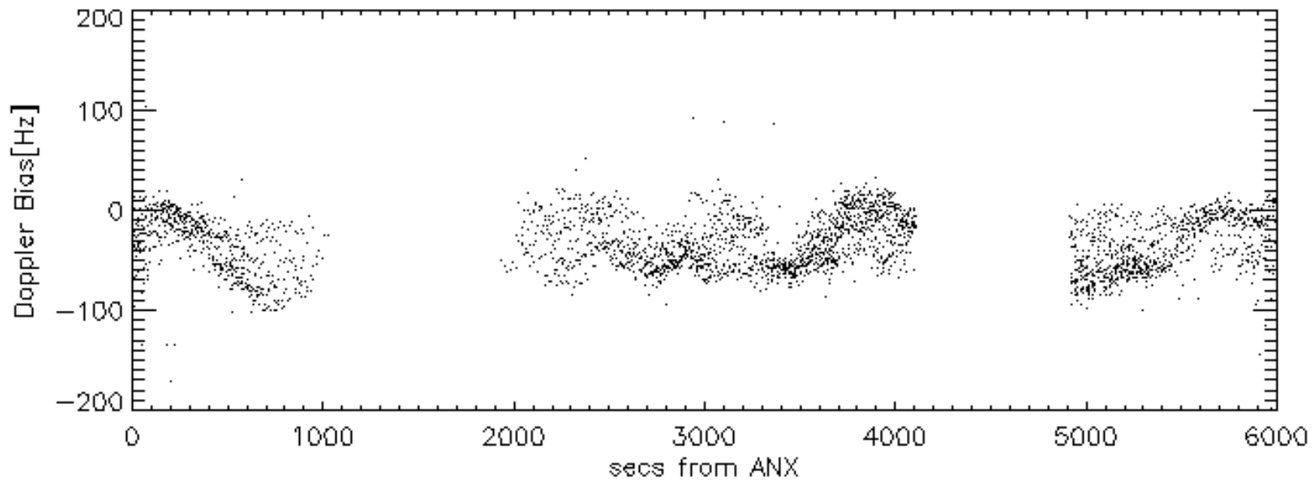

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

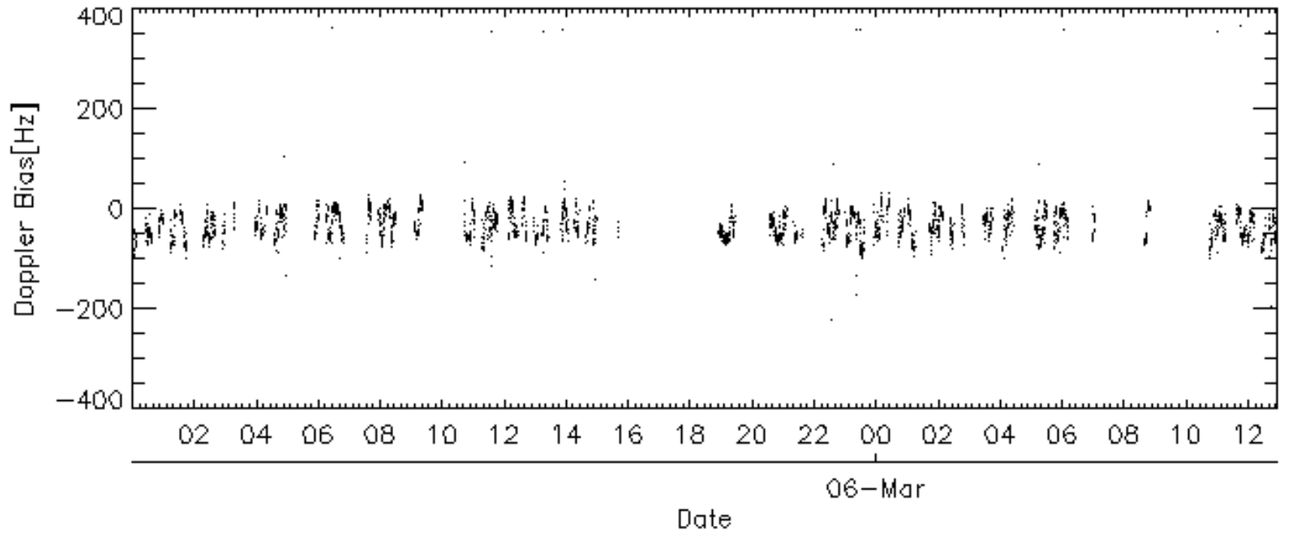

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

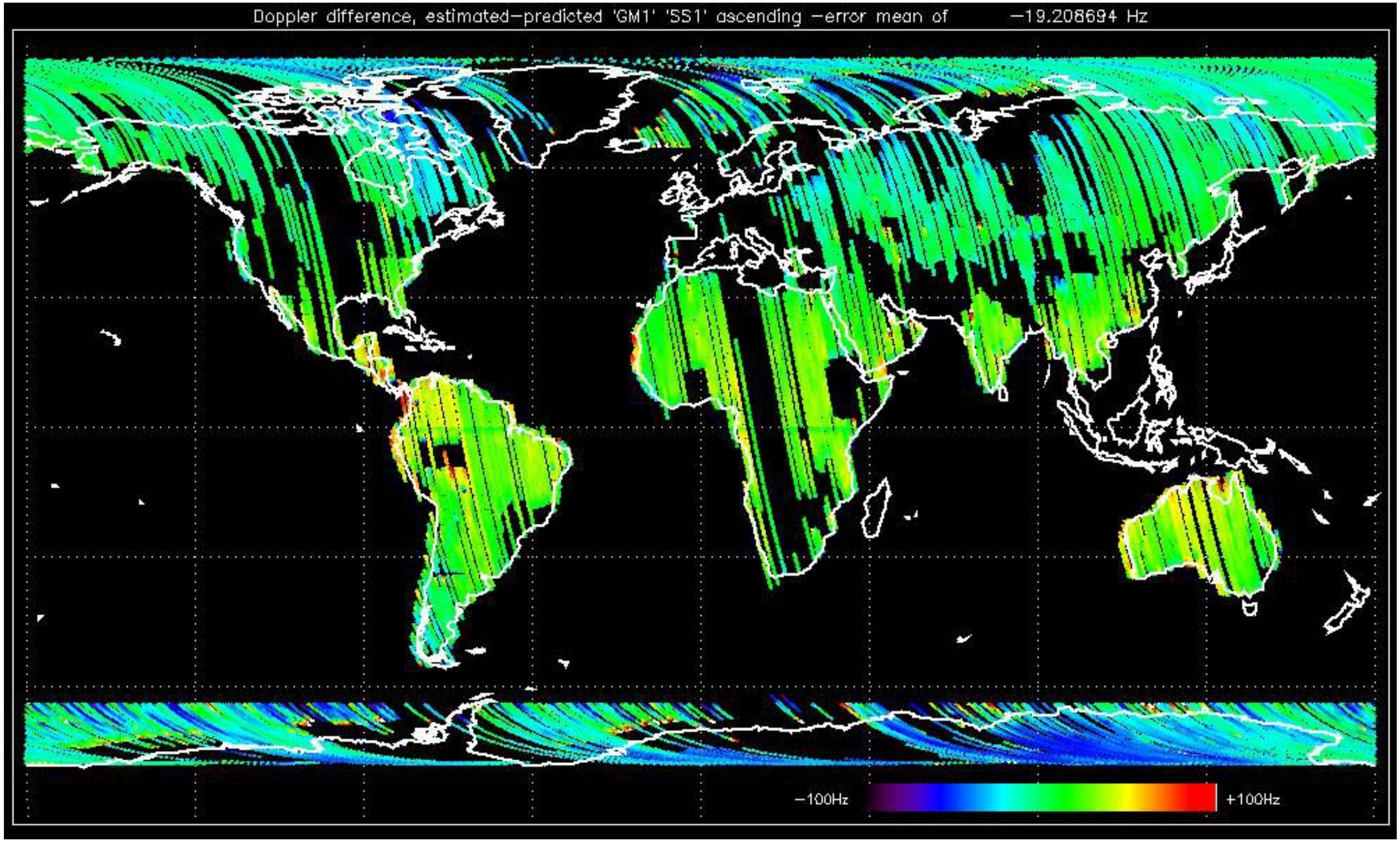

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

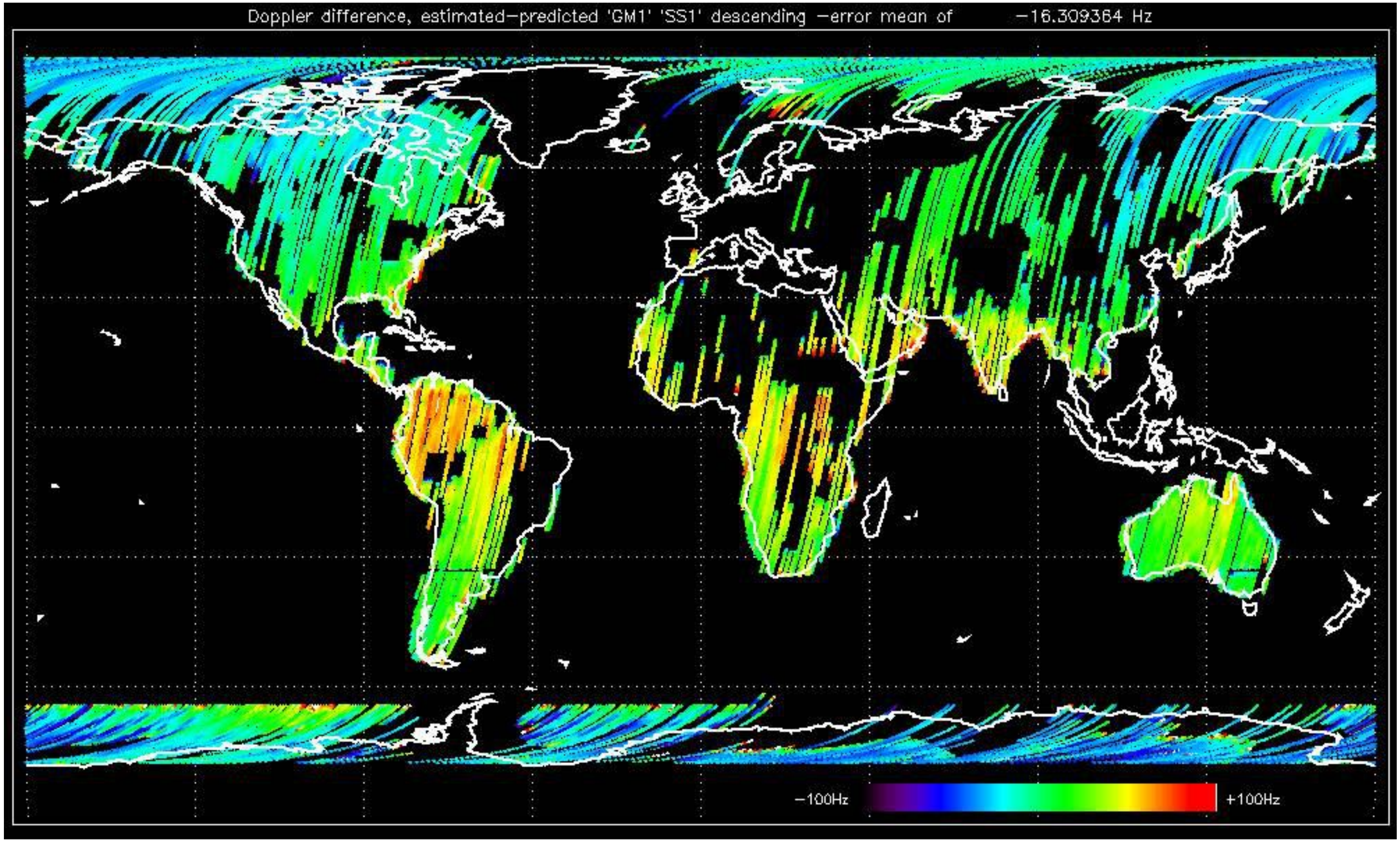

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
06−Mar
Date

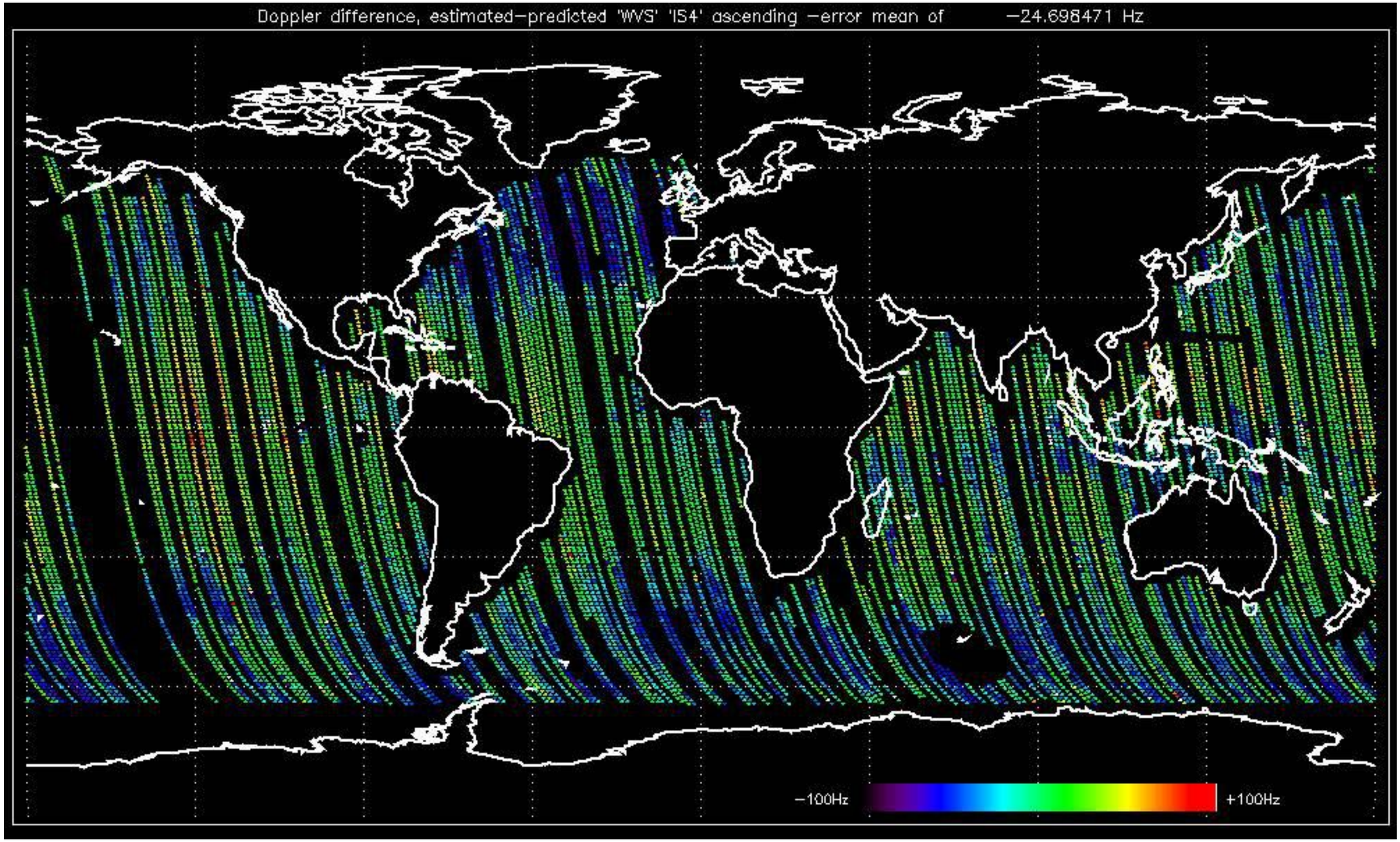

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

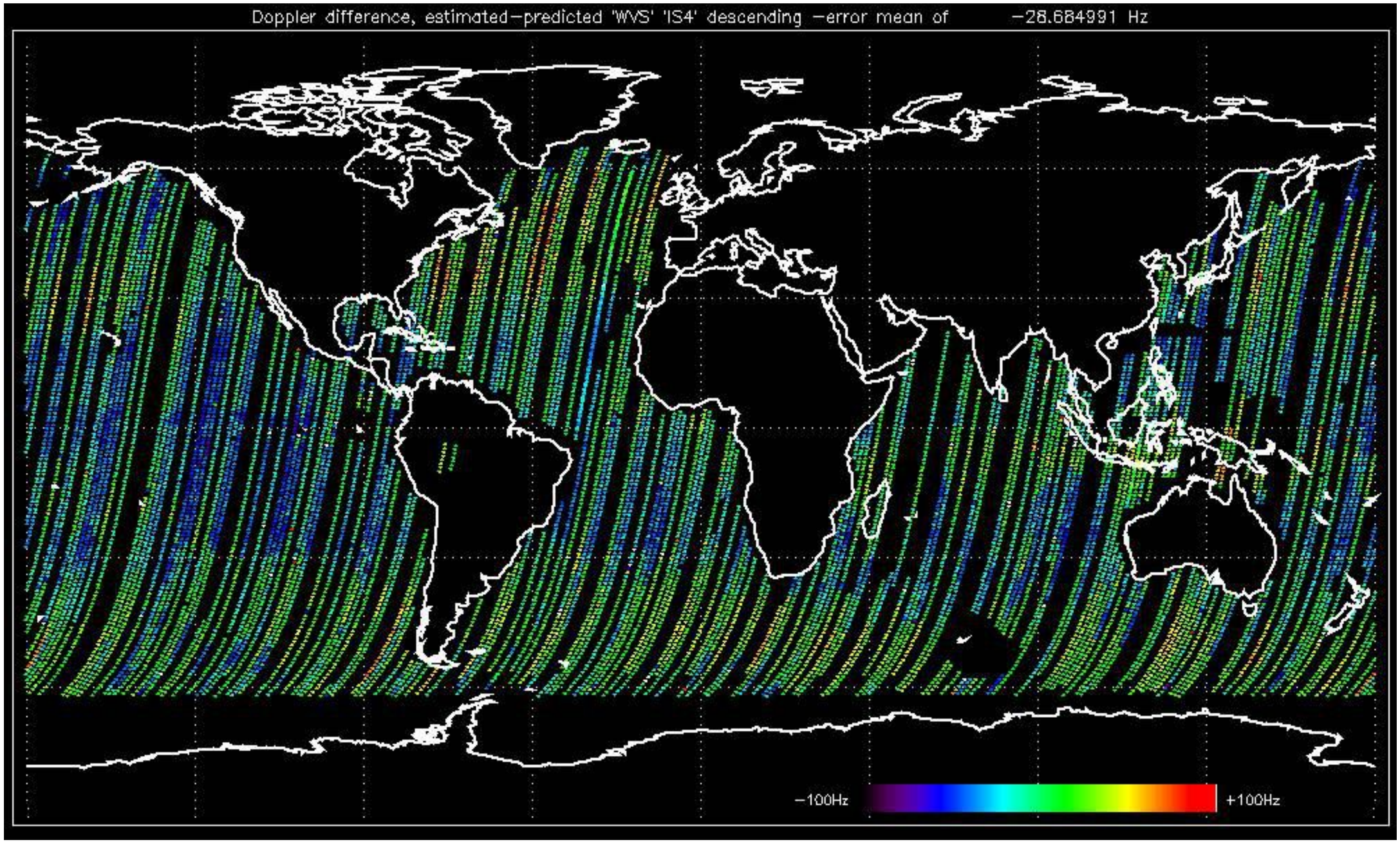

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
400
200
0
−200
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
06−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.2086934 Hz
−100Hz
+100Hz

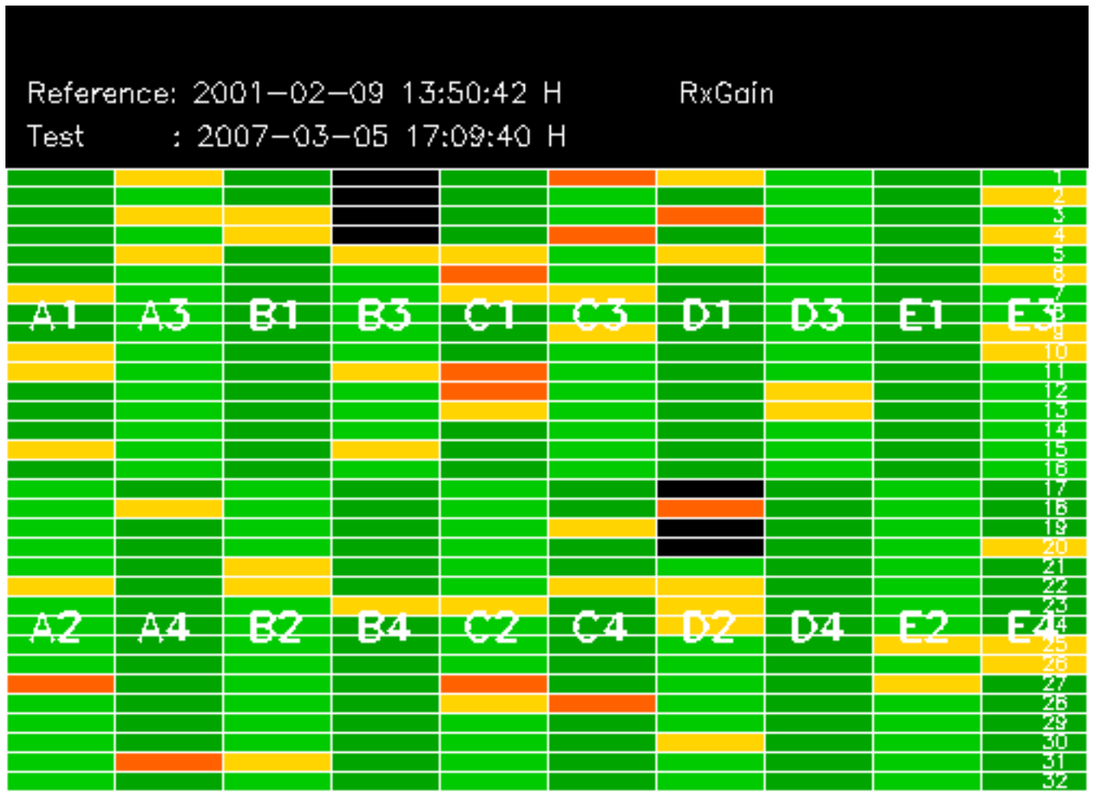

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.309364 Hz
-100Hz
+100Hz

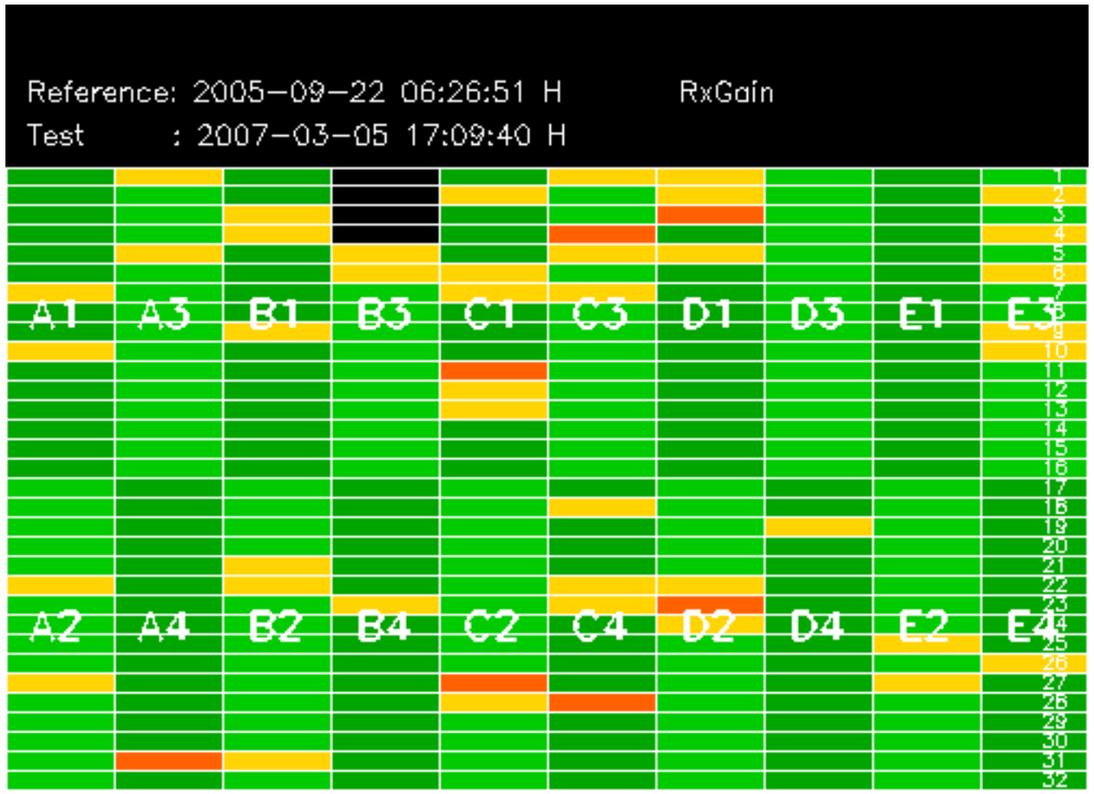

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −24.698471 Hz
−100Hz
+100Hz

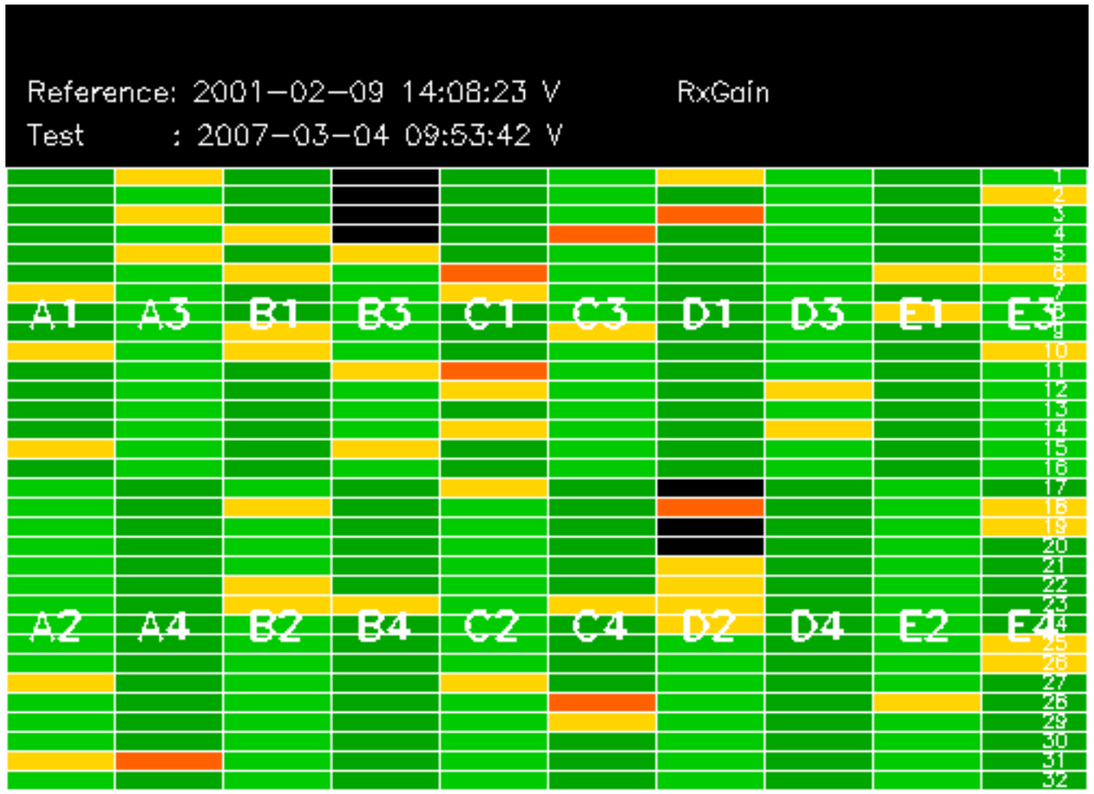

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −28.684991 Hz
−100Hz
+100Hz

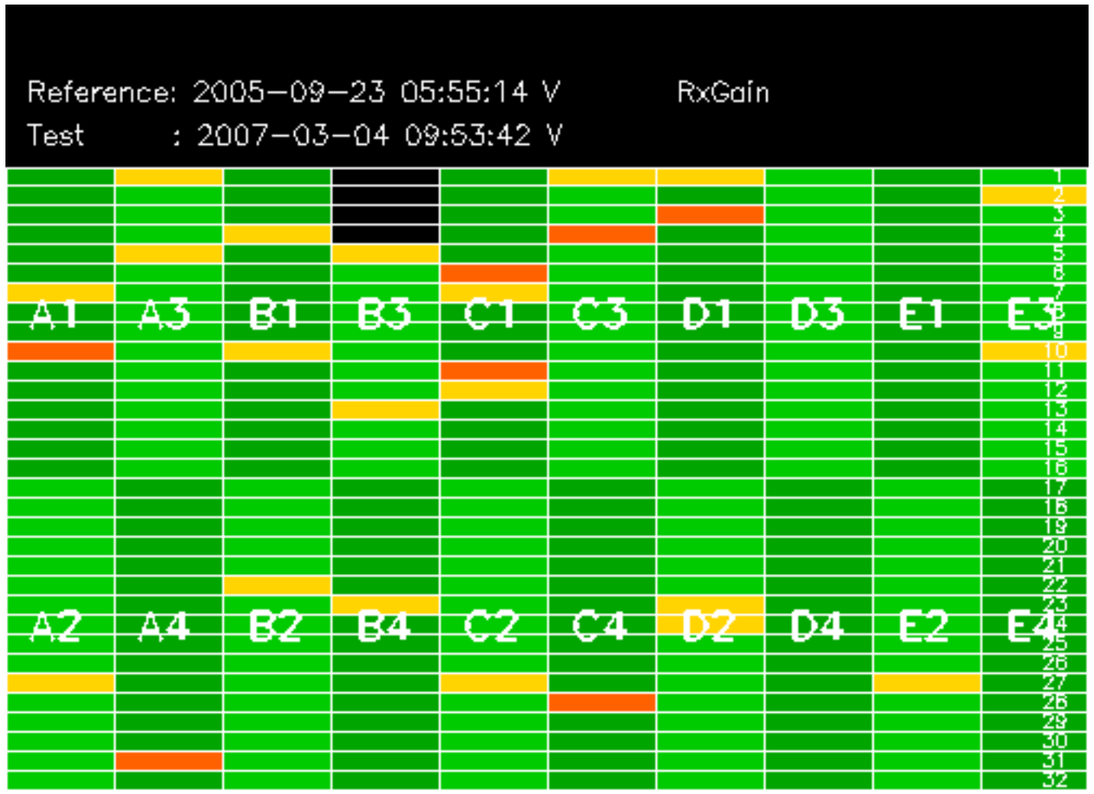
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-05 17:09:40 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 : 2007-03-05 17:09:40 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 : 2007-03-04 09:53:42 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 : 2007-03-04 09:53:42 V
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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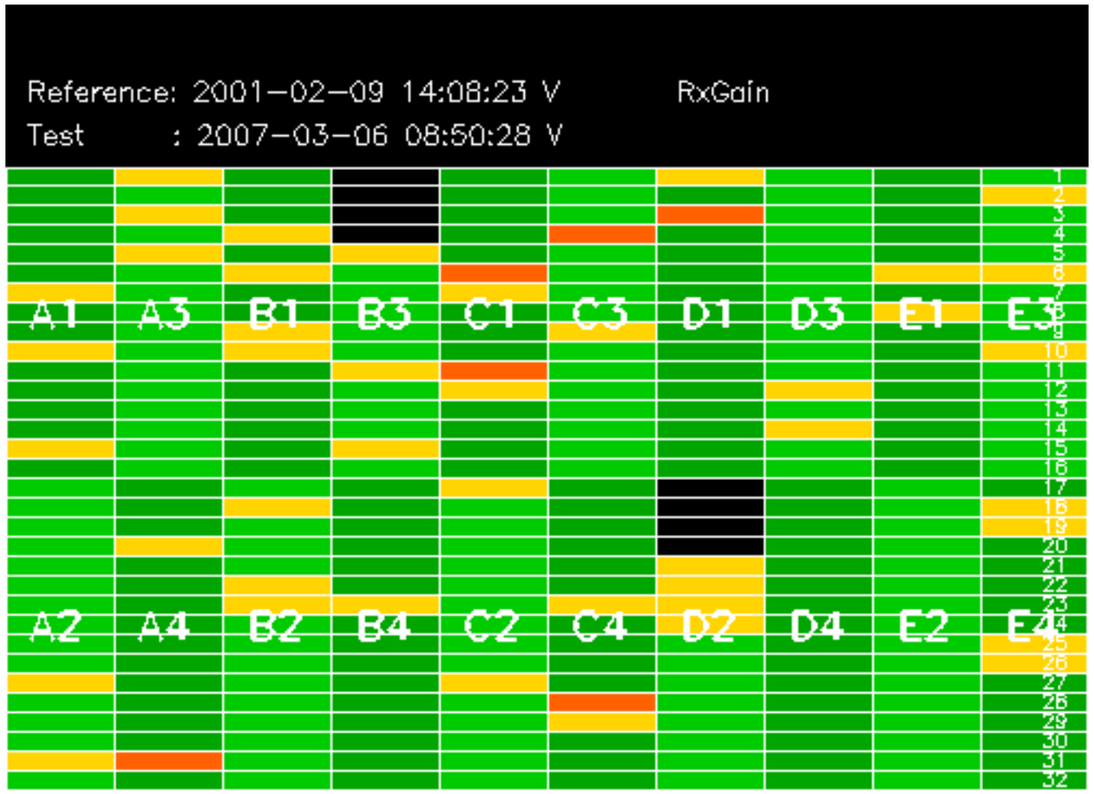
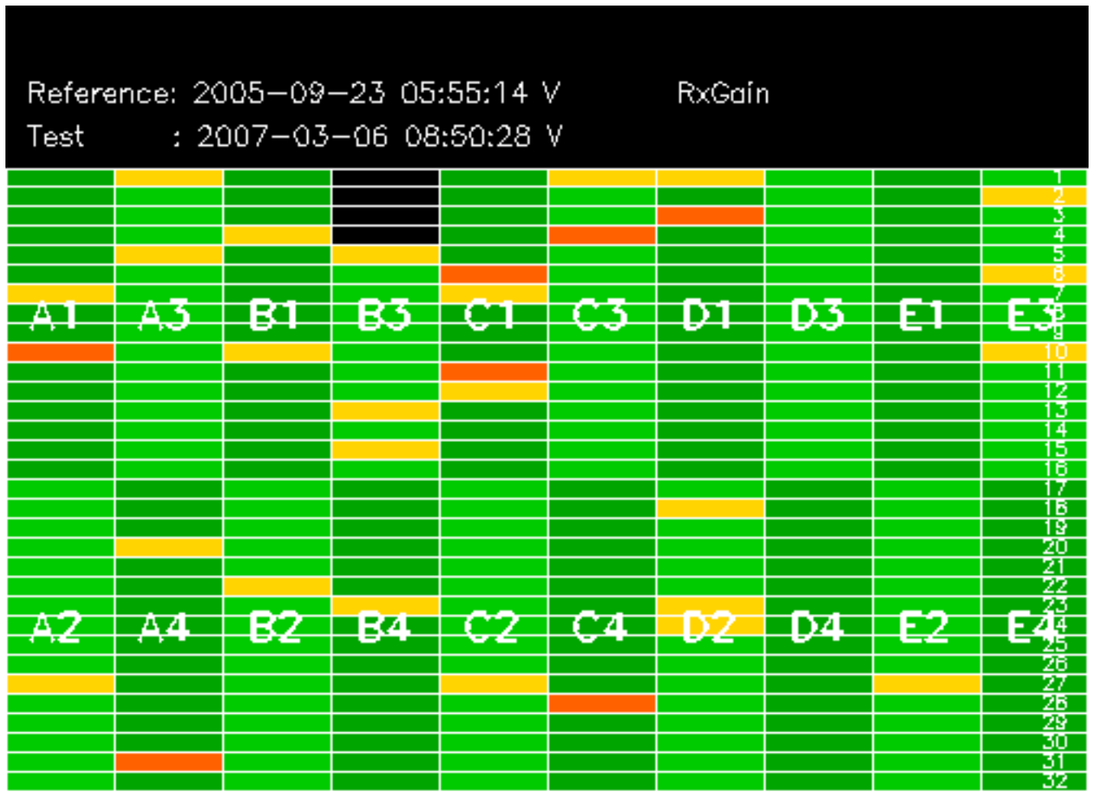

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-06 08:50:28 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-06 08:50:28 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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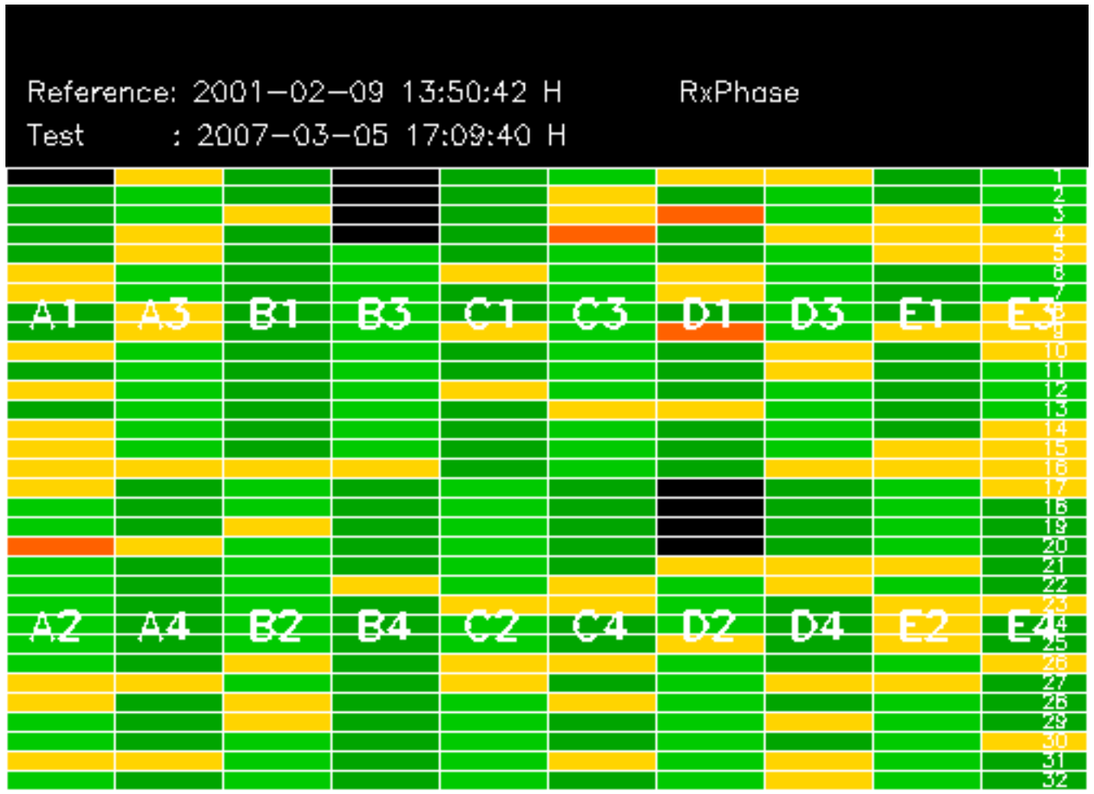
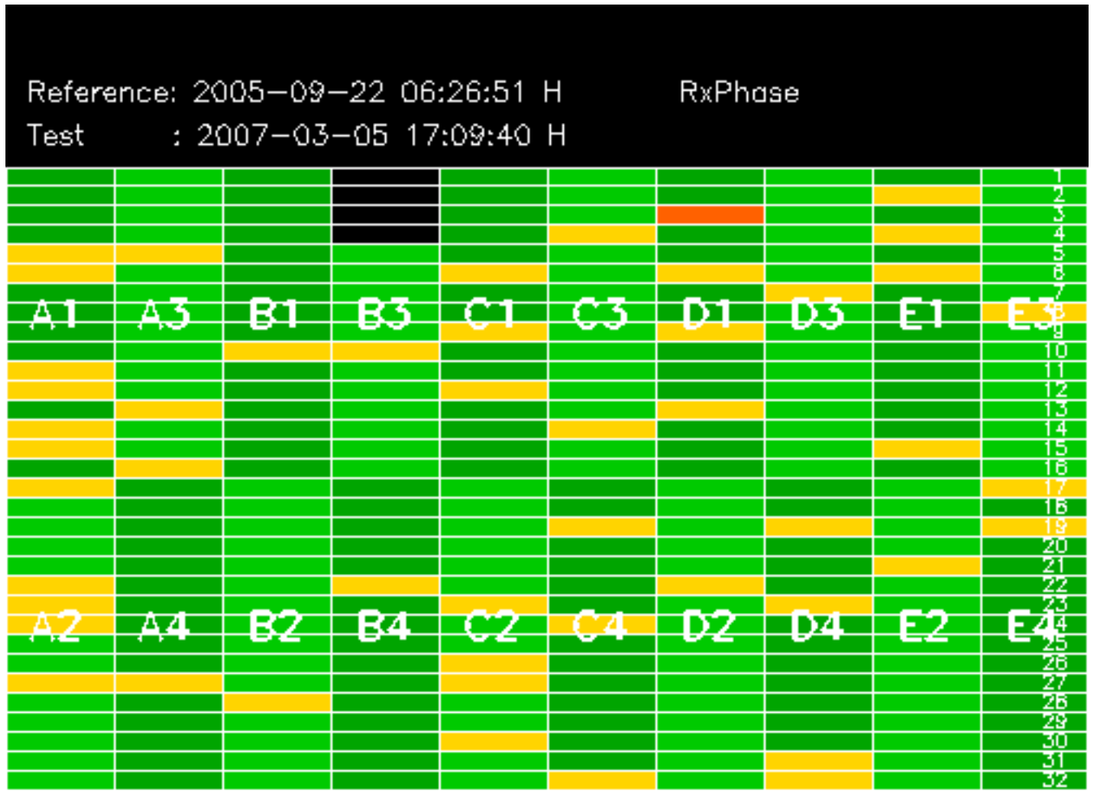

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-05 17:09:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-05 17:09:40 H
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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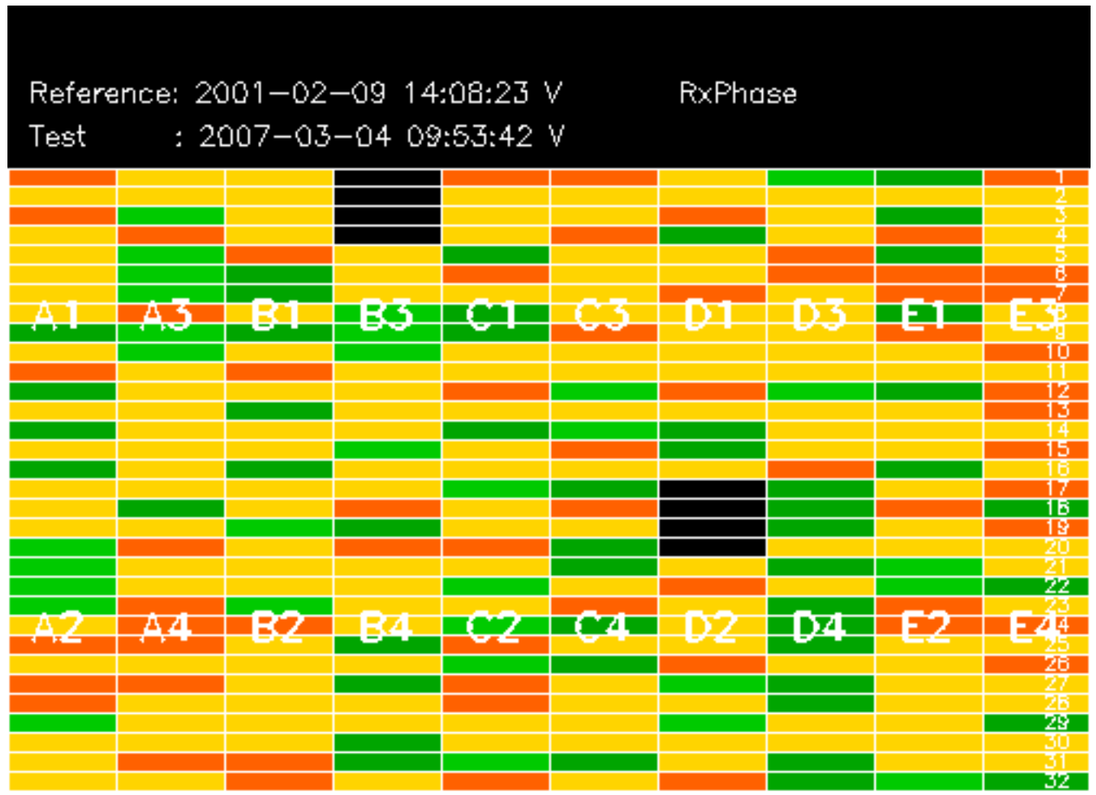
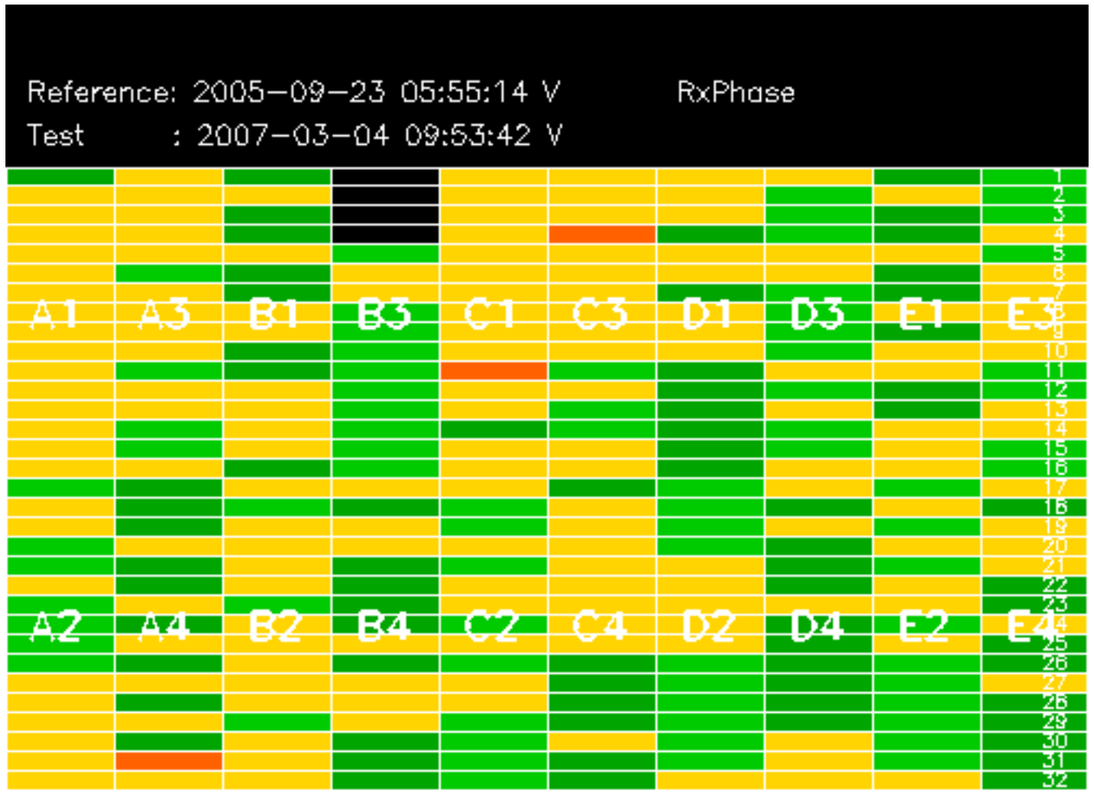
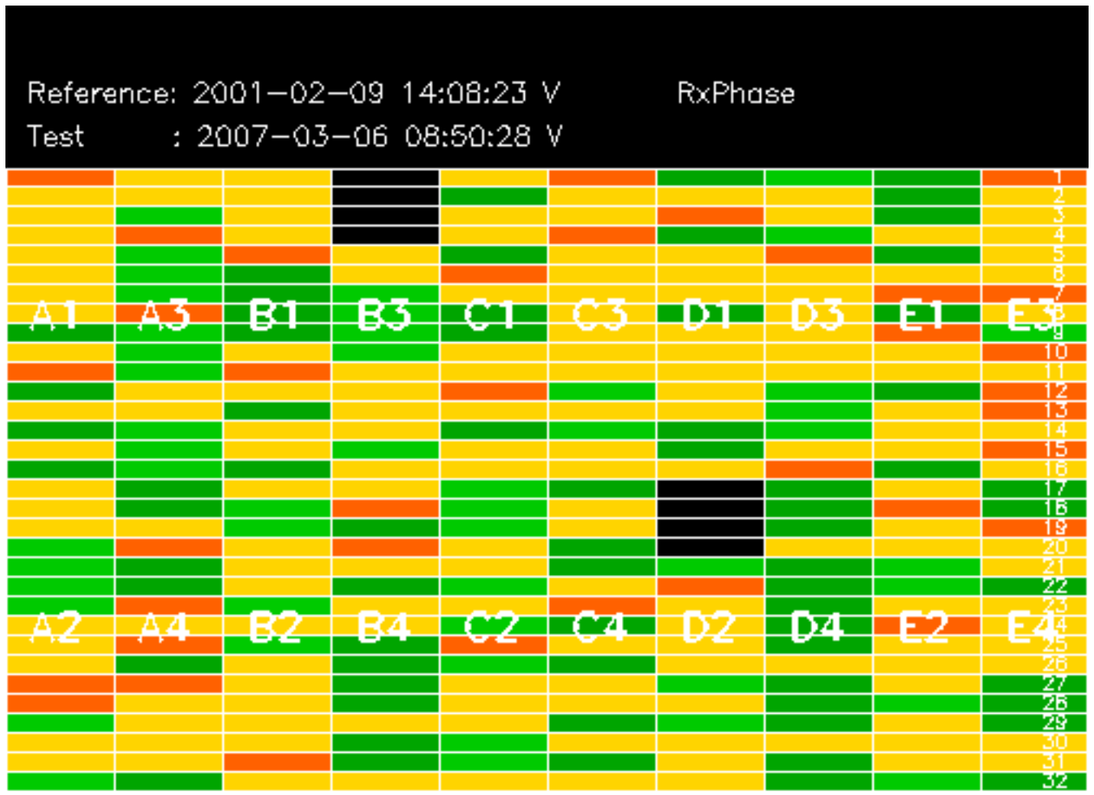
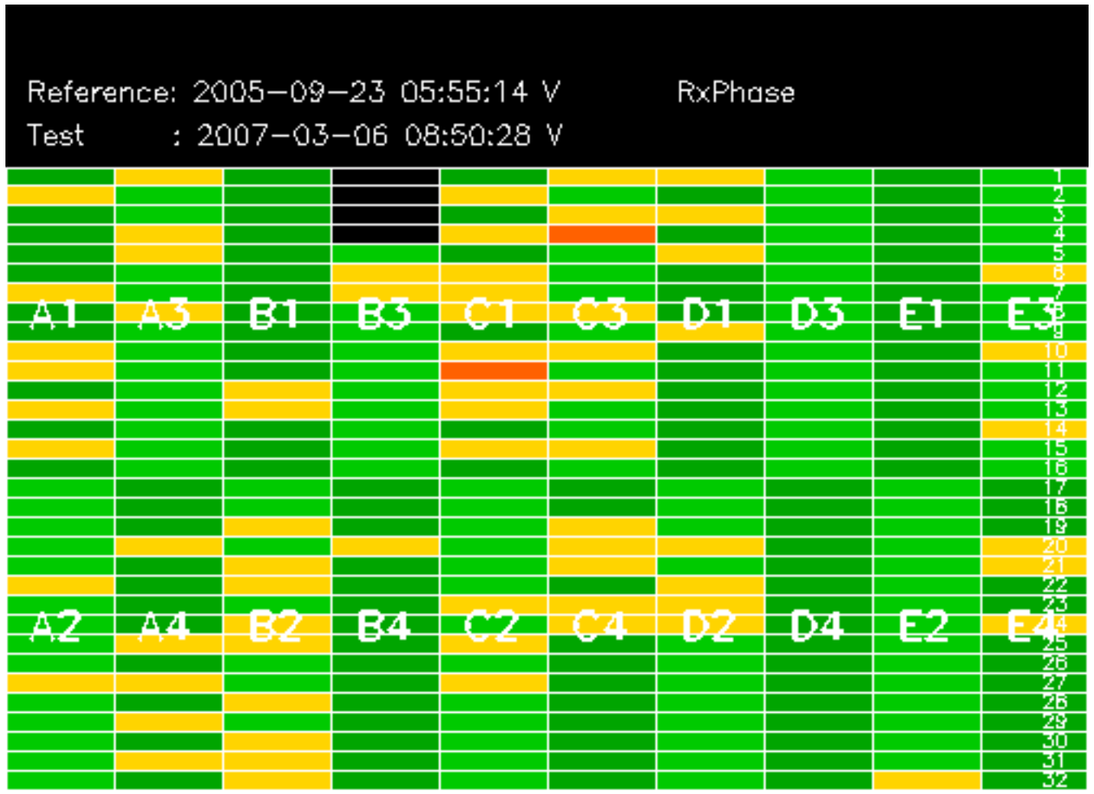

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
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 14:08:23 V
Test : 2007-03-06 08:50:28 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 : 2007-03-06 08:50:28 V
RxPhase
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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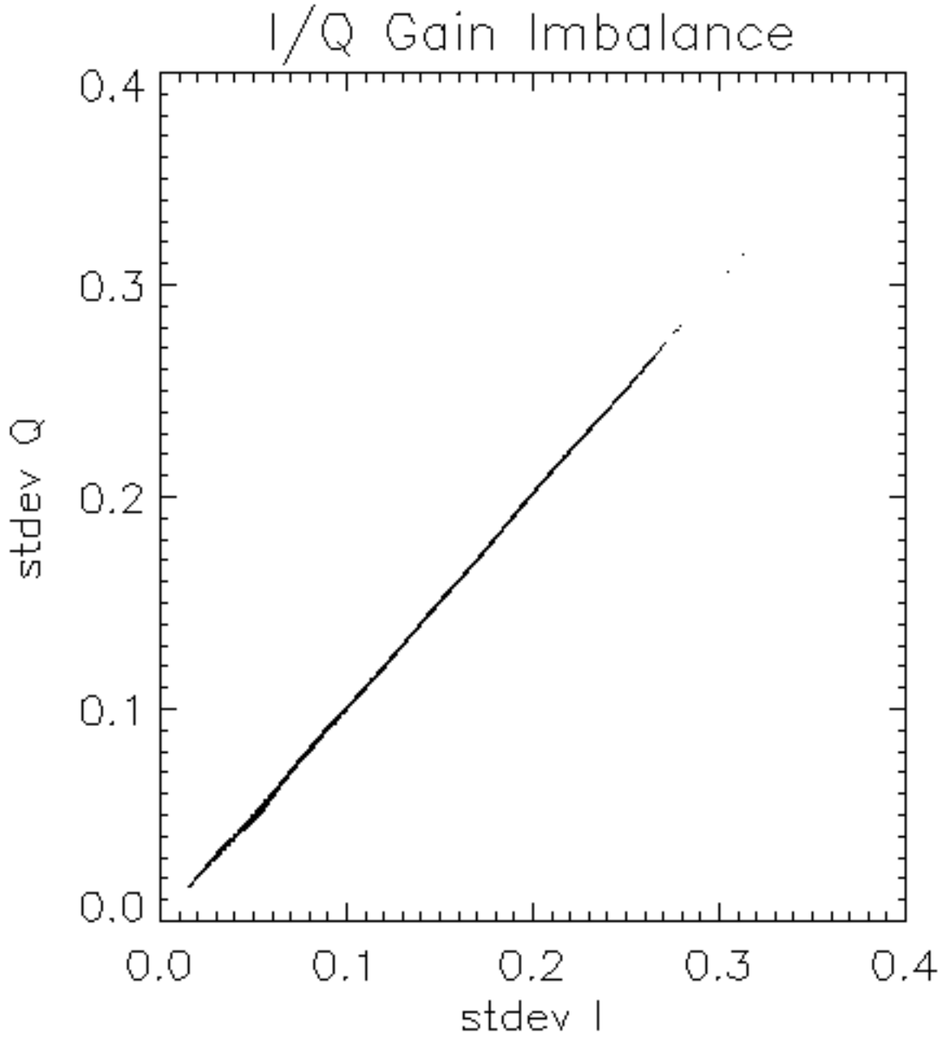
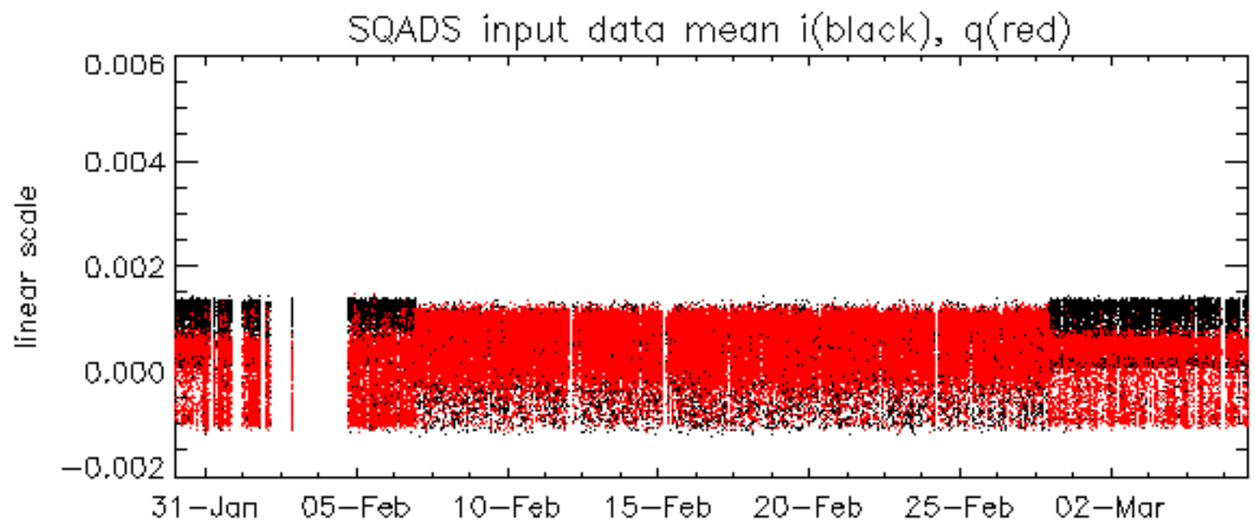
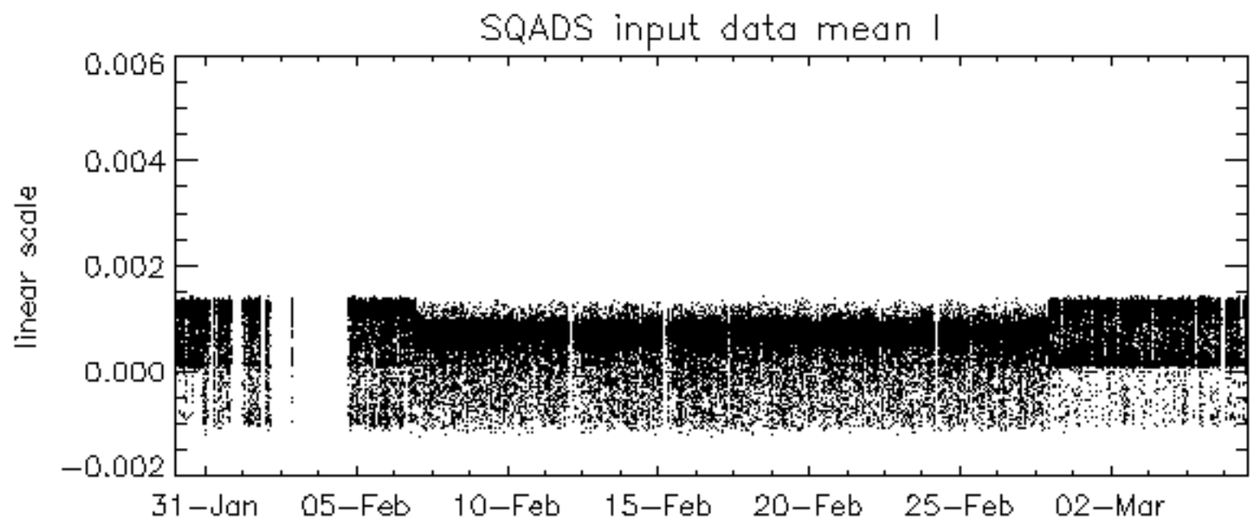
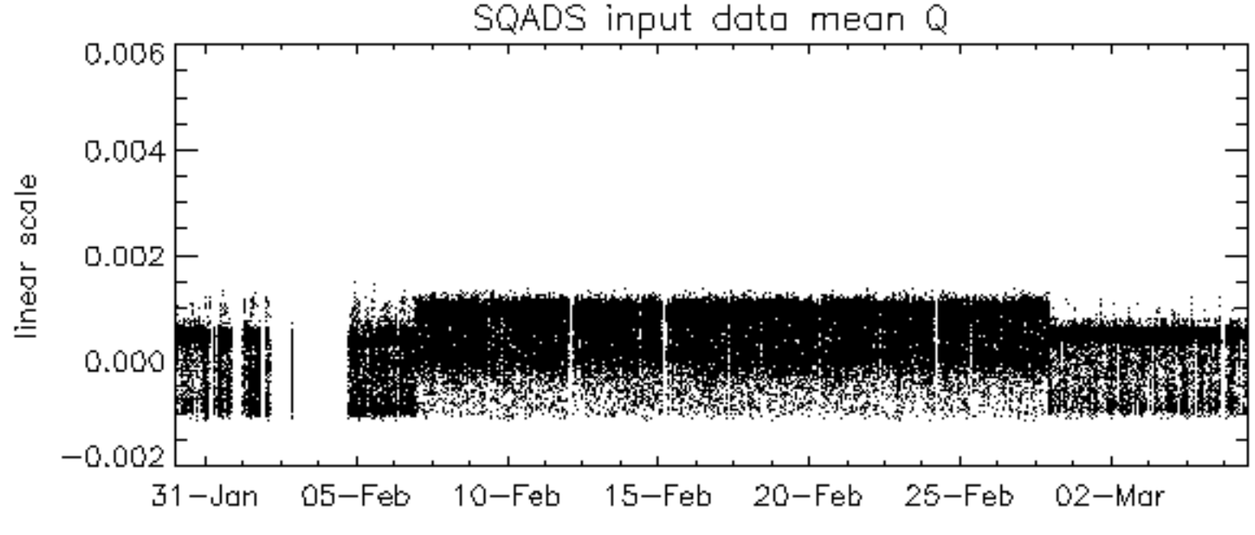
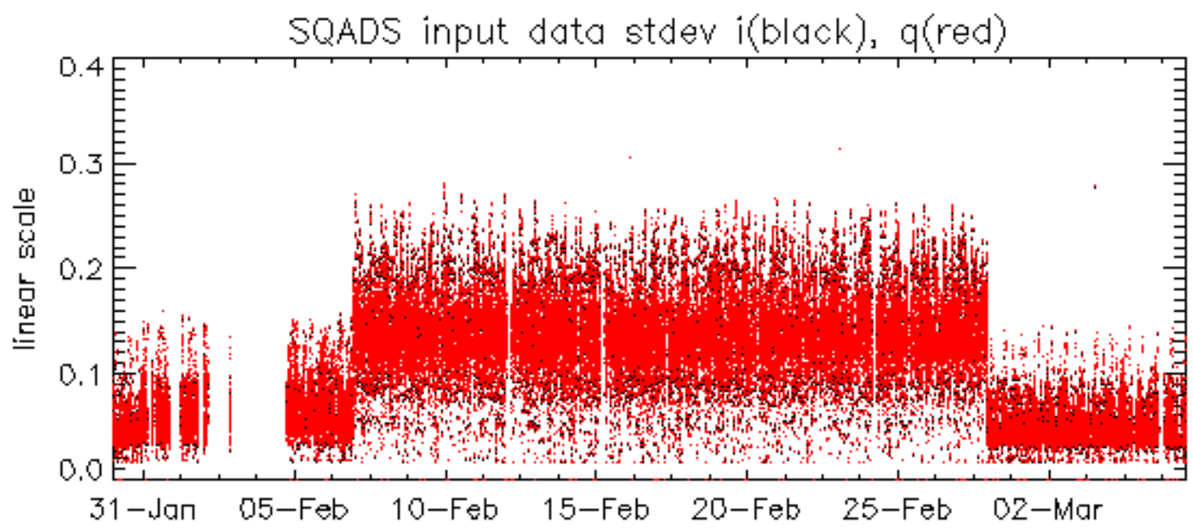
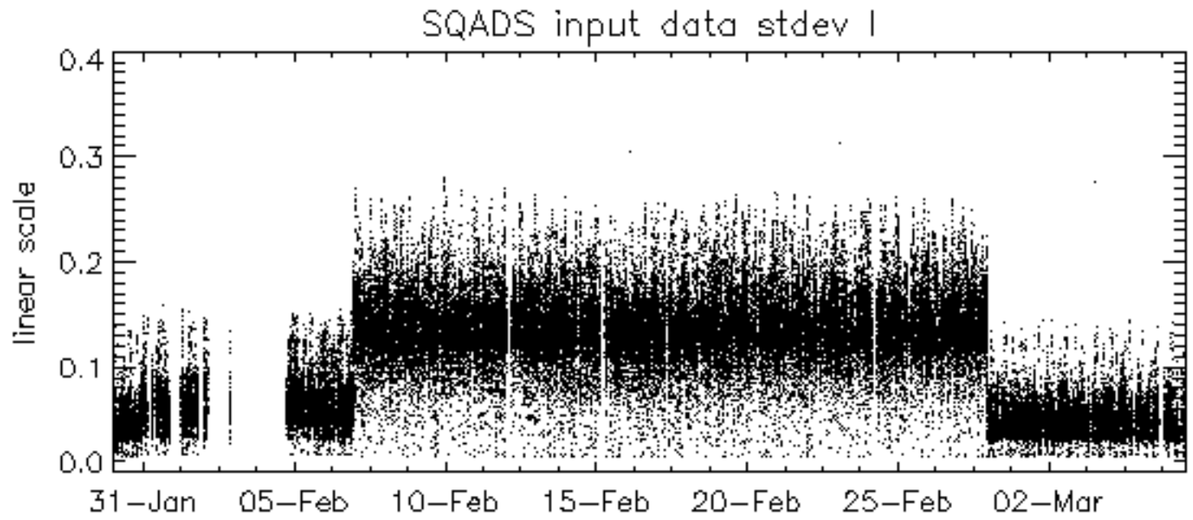

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

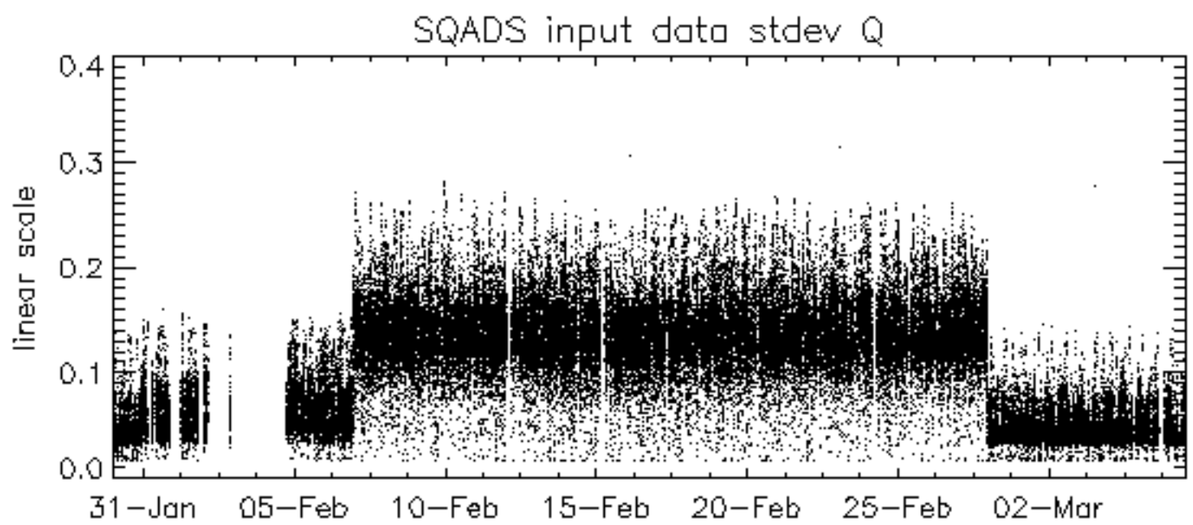

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar

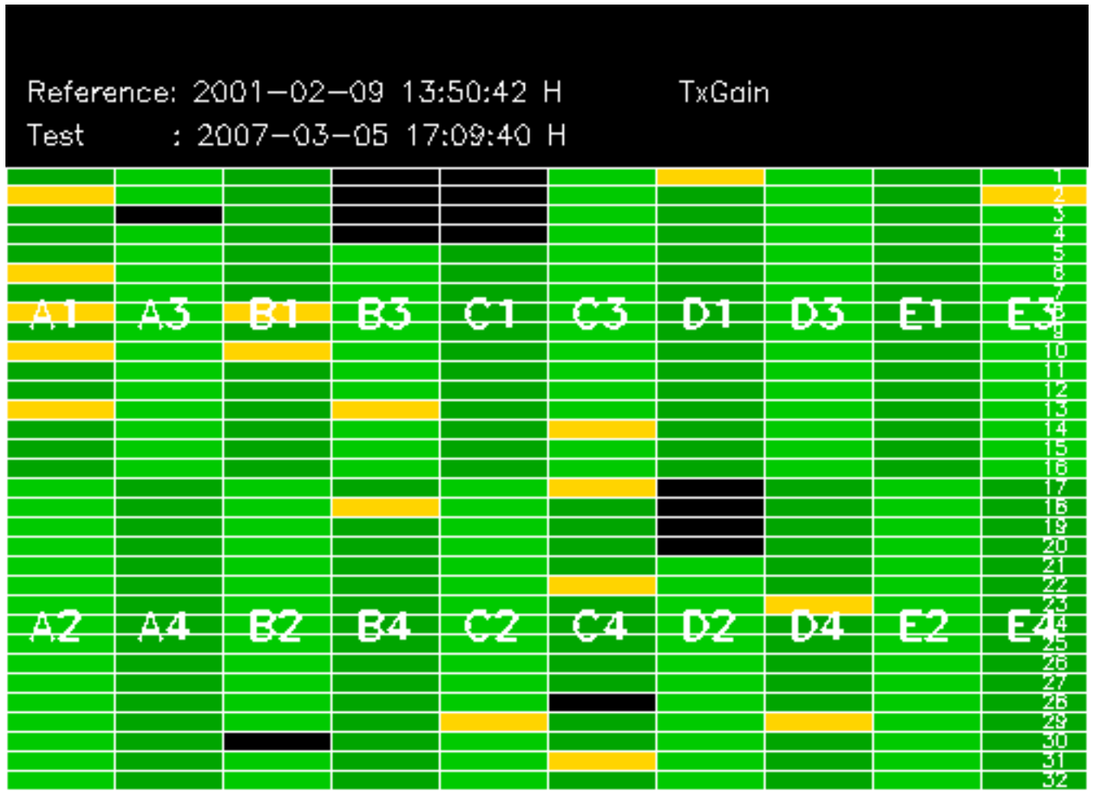

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar

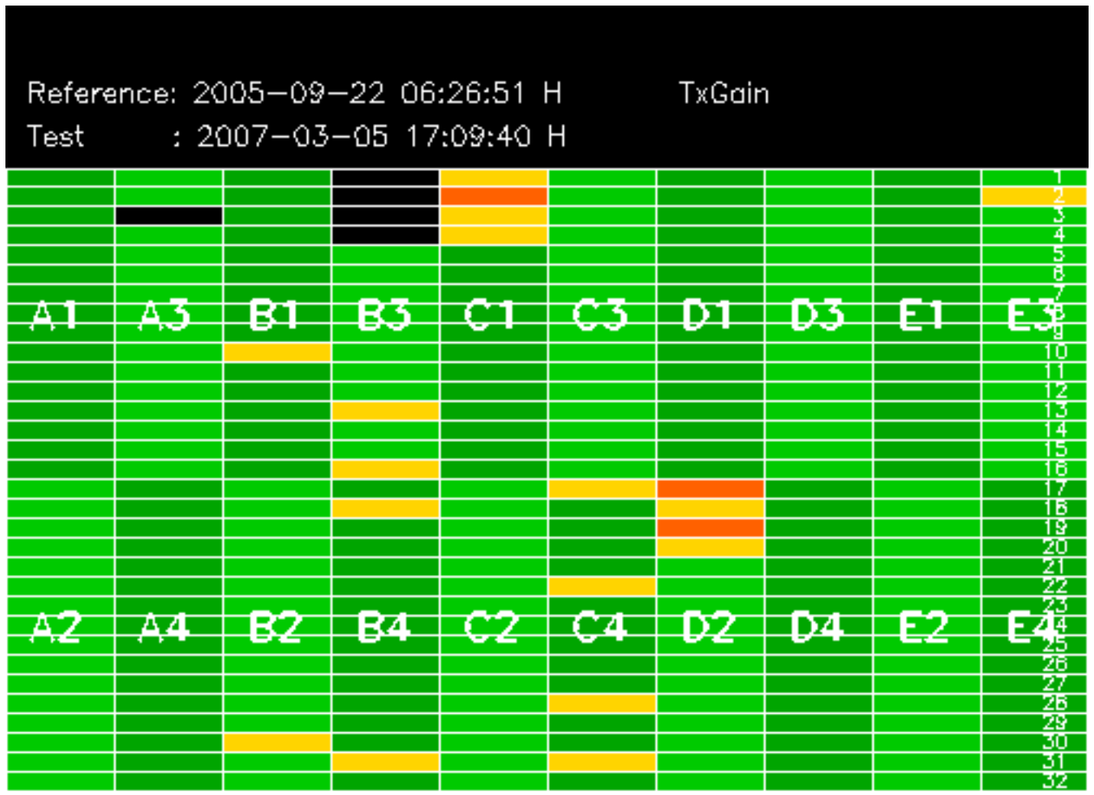

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-05 17:09:40 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 : 2007-03-05 17:09:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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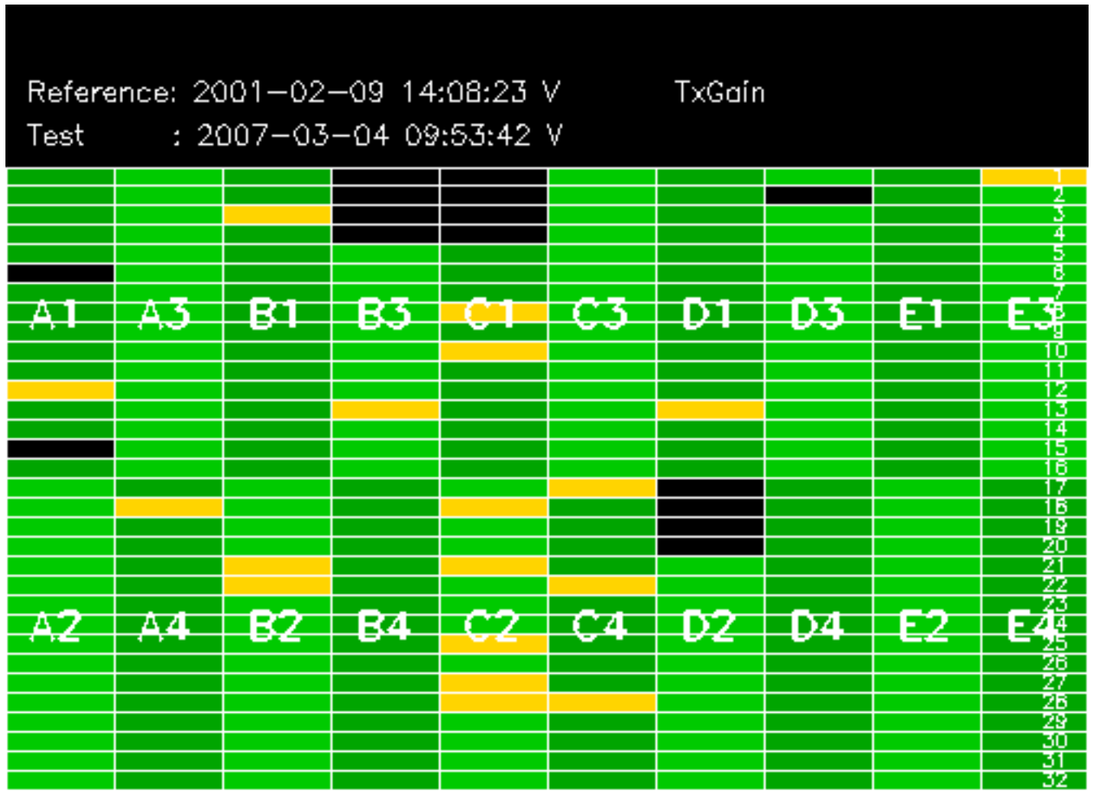
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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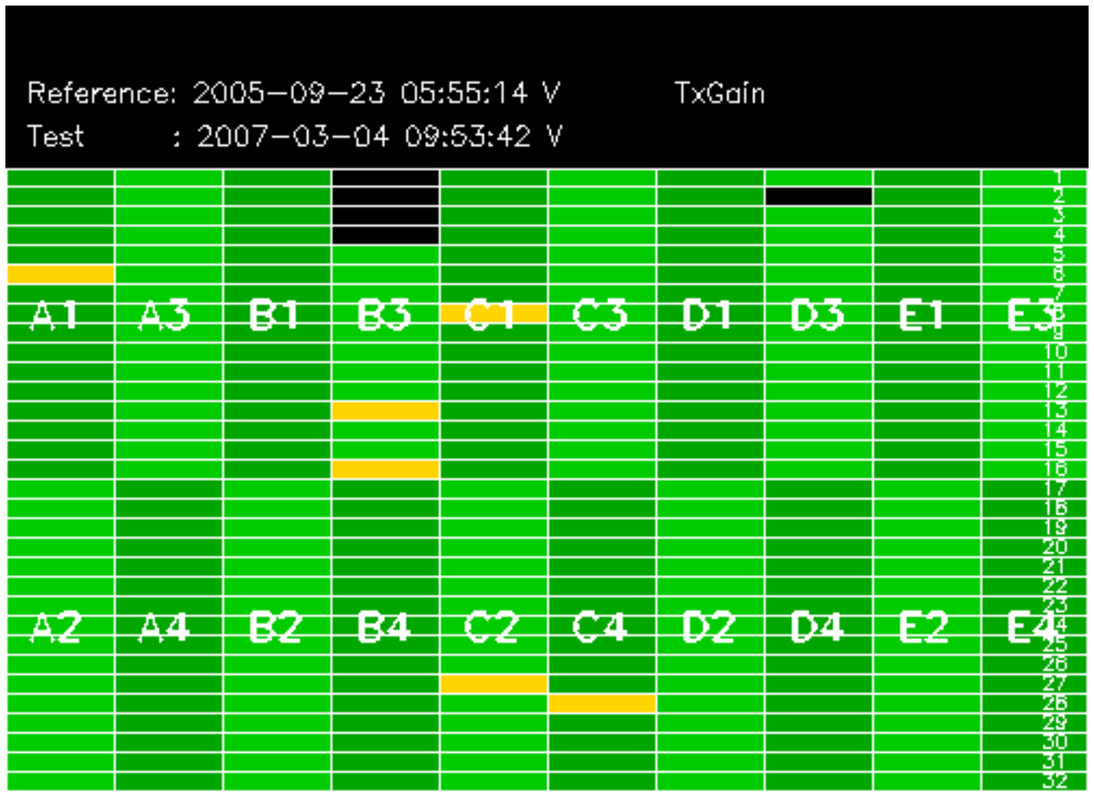
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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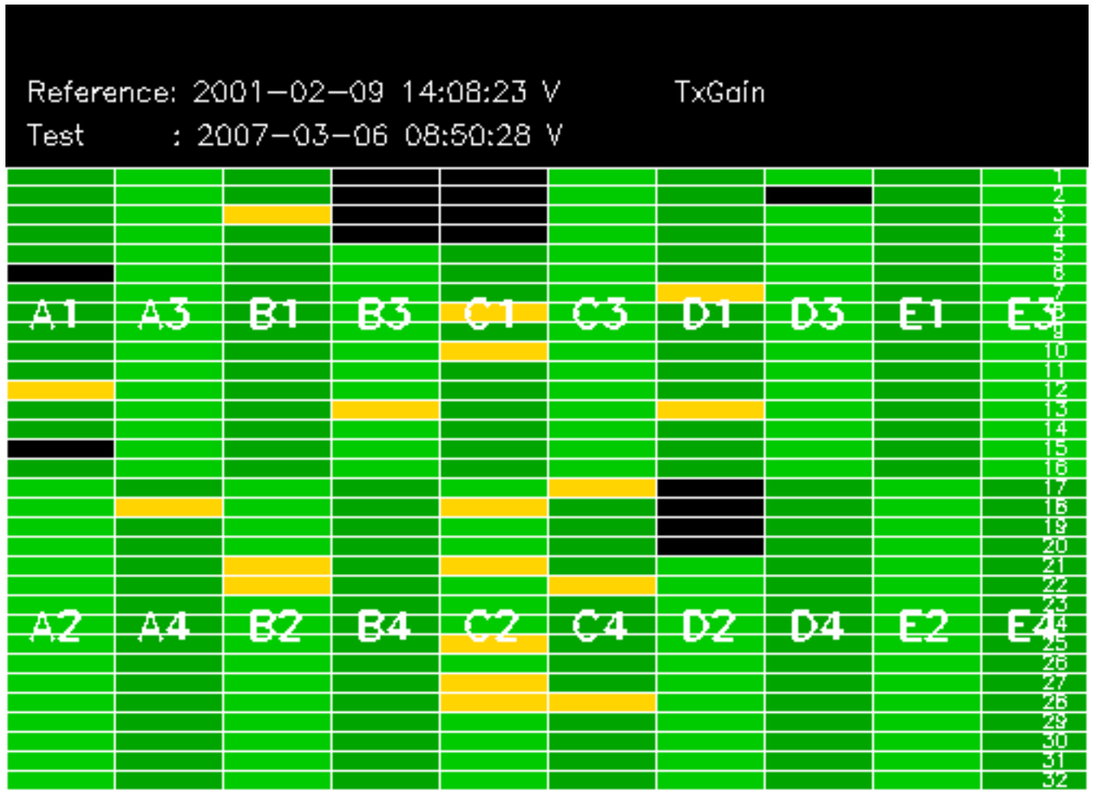
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-06 08:50:28 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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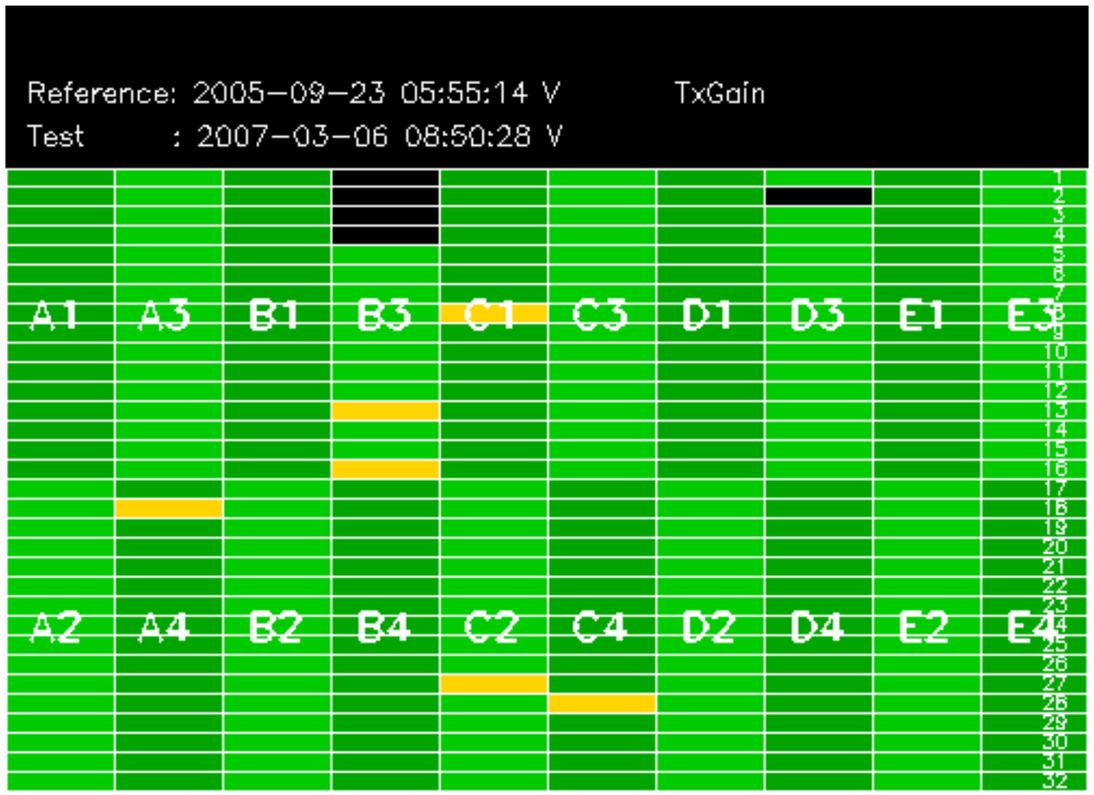
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-06 08:50:28 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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Summary of analysis for the last 3 days 2007030[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines 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_GM1_1PNPDK20070305_083800_000004282056_00093_26199_6587.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070305_003950_000002632056_00088_26194_1182.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070305_145917_000000862056_00097_26203_1705.N1 </td> <td>0 </td> <td>12 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070305_163937_000001712056_00098_26204_1751.N1 </td> <td>0 </td> <td>17 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2390.N1 </td> <td>47 </td> <td>7122 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2498.N1 </td> <td>47 </td> <td>7122 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070306_031634_000000422056_00104_26210_2650.N1 </td> <td>47 </td> <td>7122 </td></tr>
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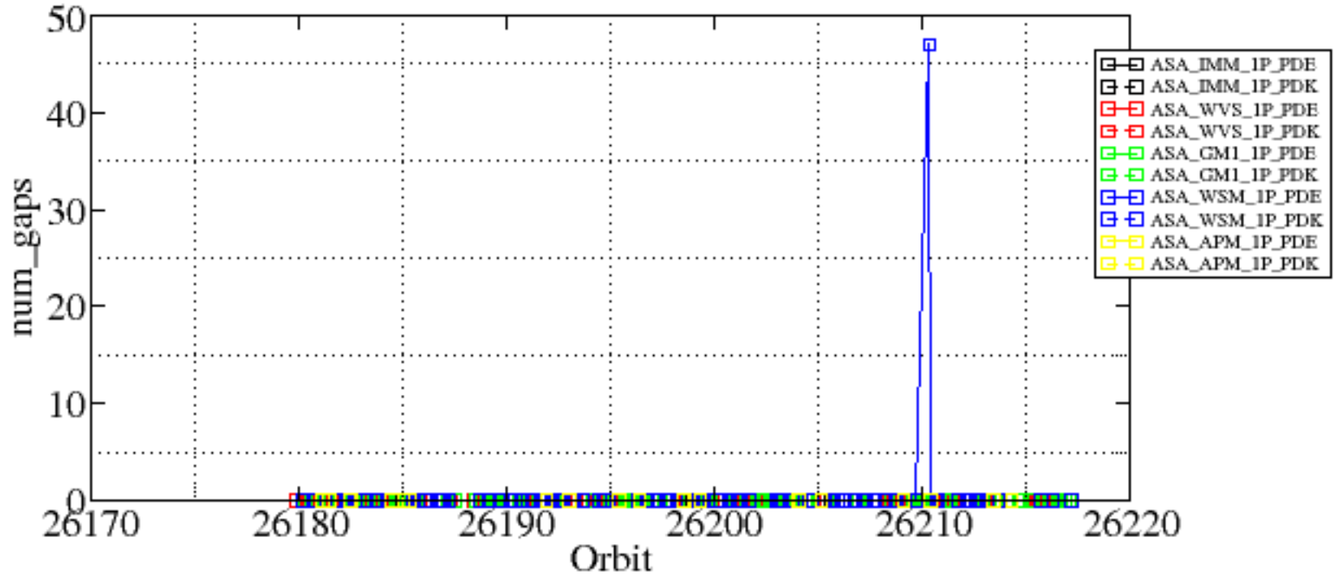
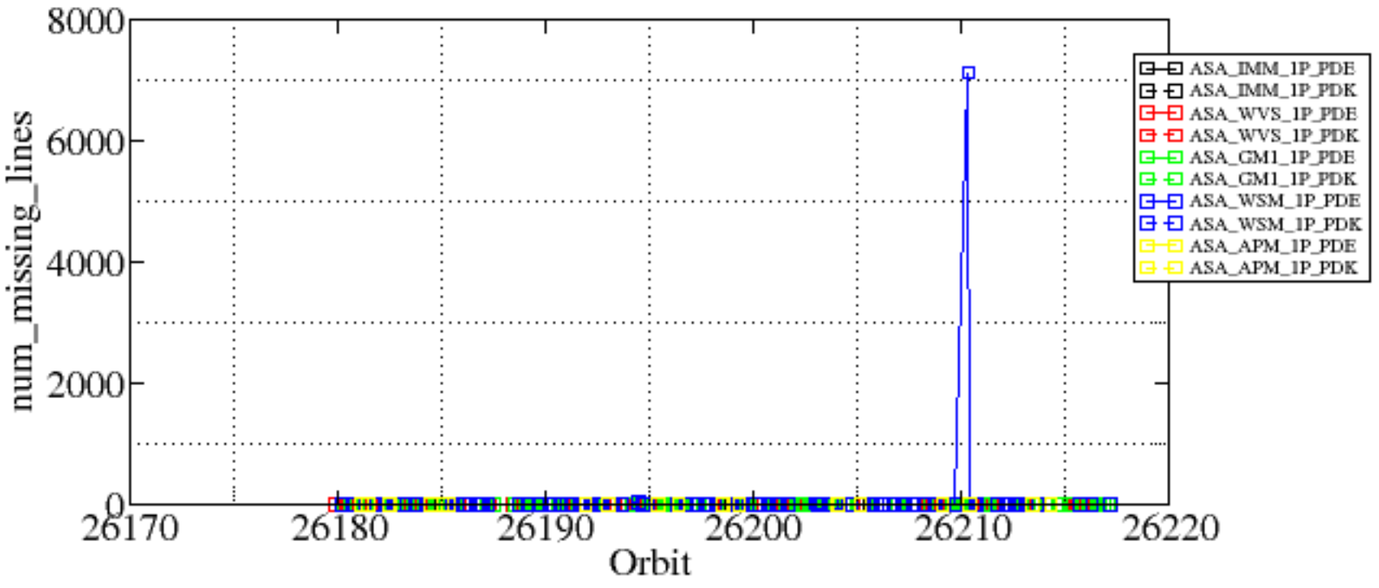
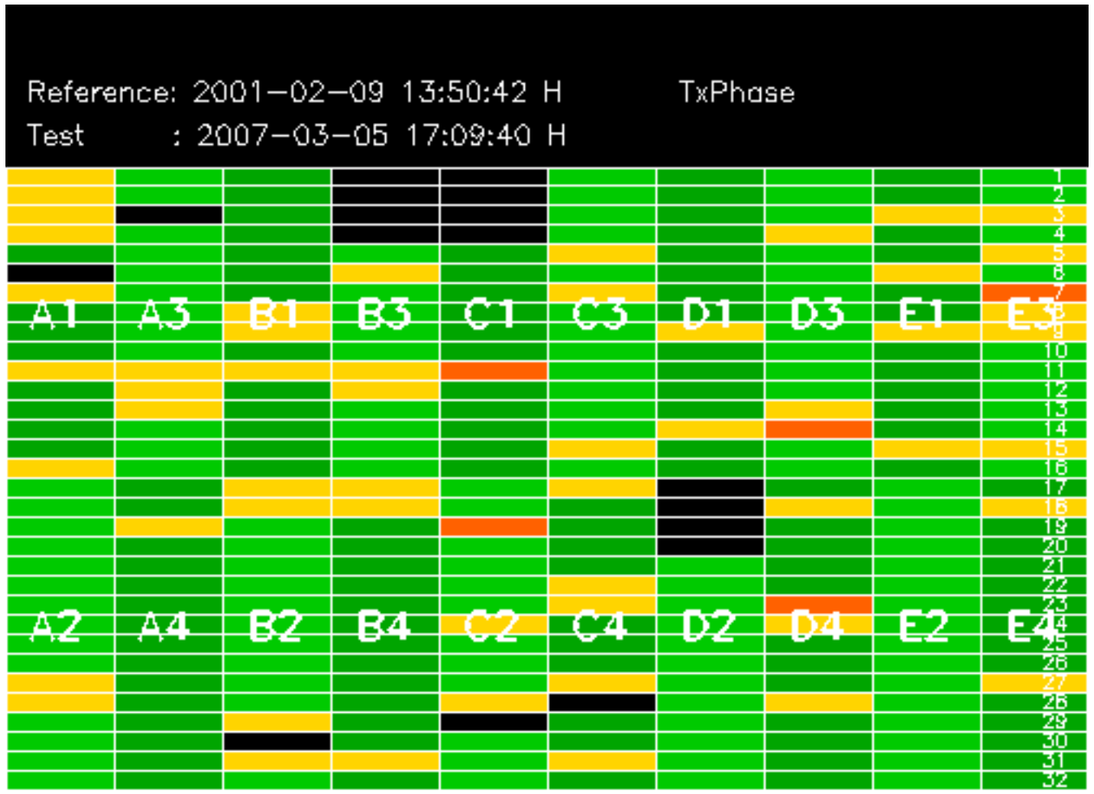
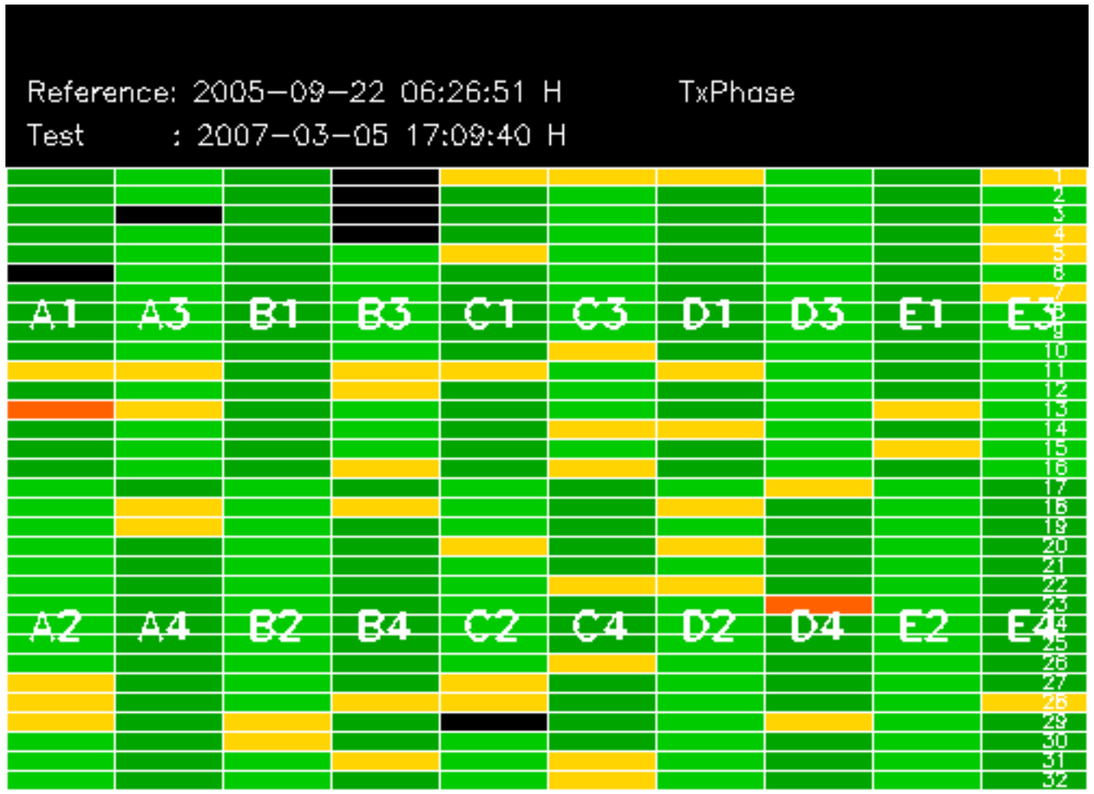

num_gaps
Orbit
50
40
30
20
10
0
26170
26180
26190
26200
26210
26220
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


8000
6000
4000
2000
0
num_missing_lines
26170
26180
26190
26200
26210
26220
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 : 2007-03-05 17:09:40 H
TxPhase
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
TxPhase
Test : 2007-03-05 17:09:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
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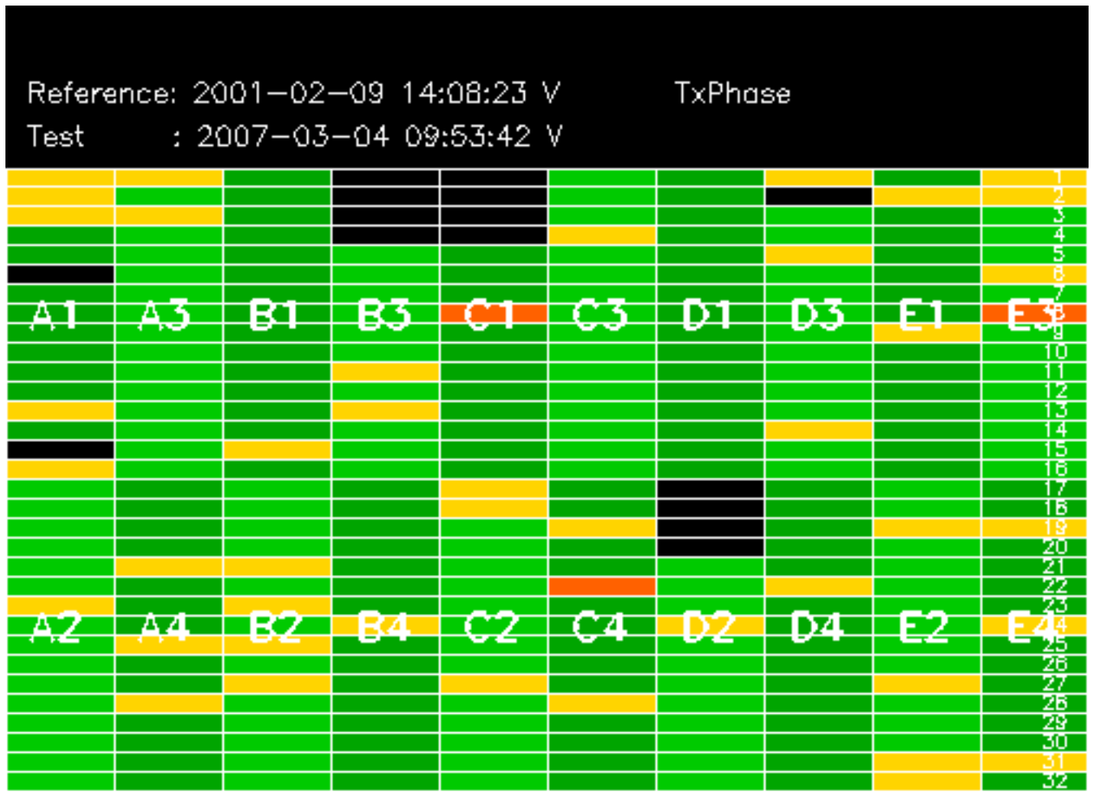
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
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
5
6
7
8
9
10
11
12
13
14
15
16
17
18
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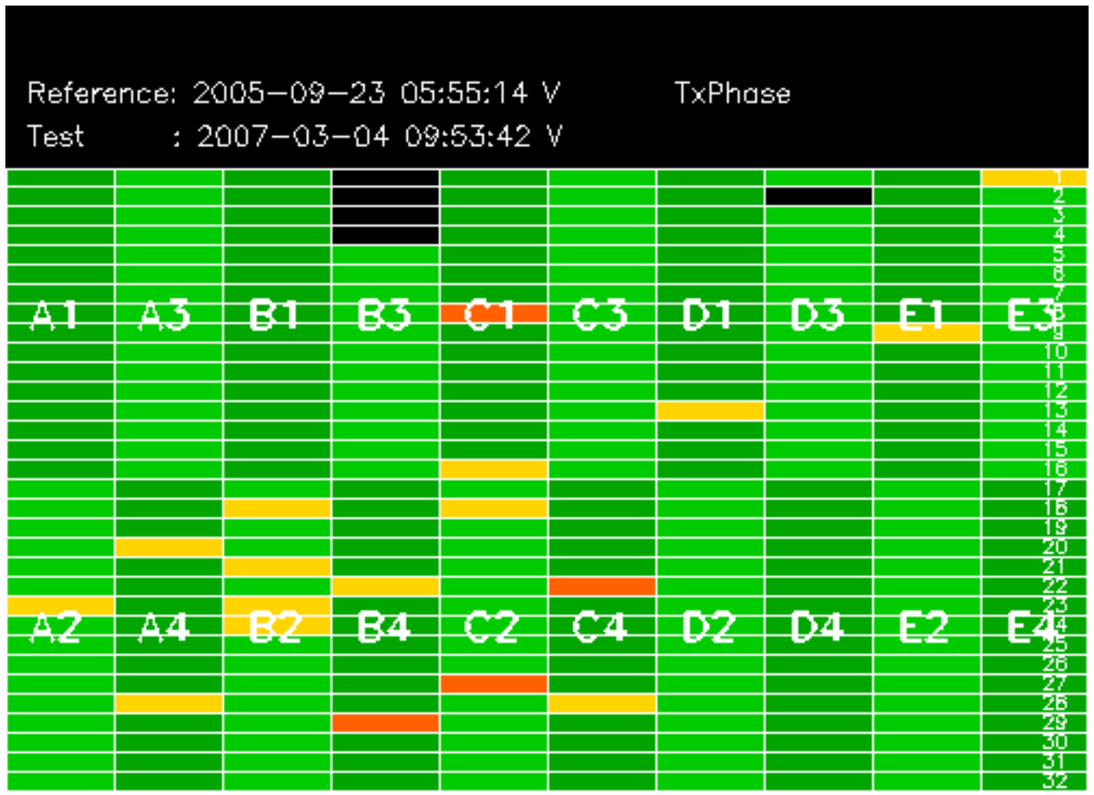
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
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
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
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21
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26
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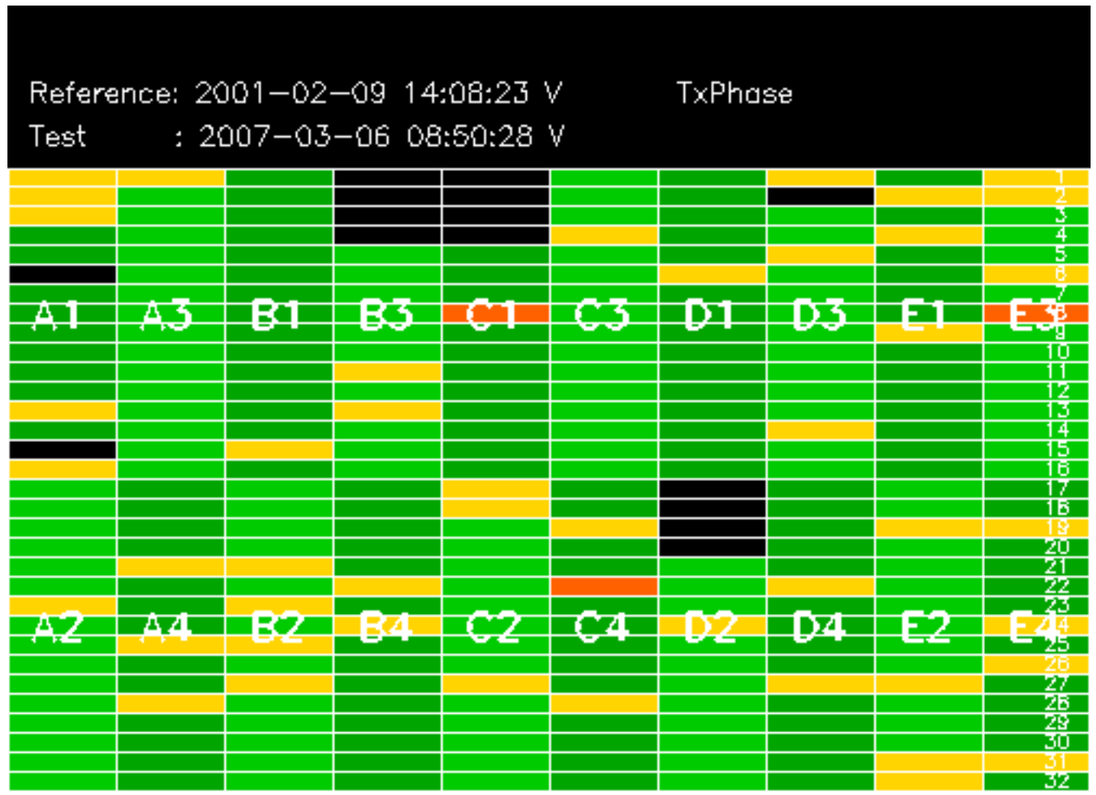
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-06 08:50:28 V
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
5
6
7
8
9
10
11
12
13
14
15
16
17
18
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21
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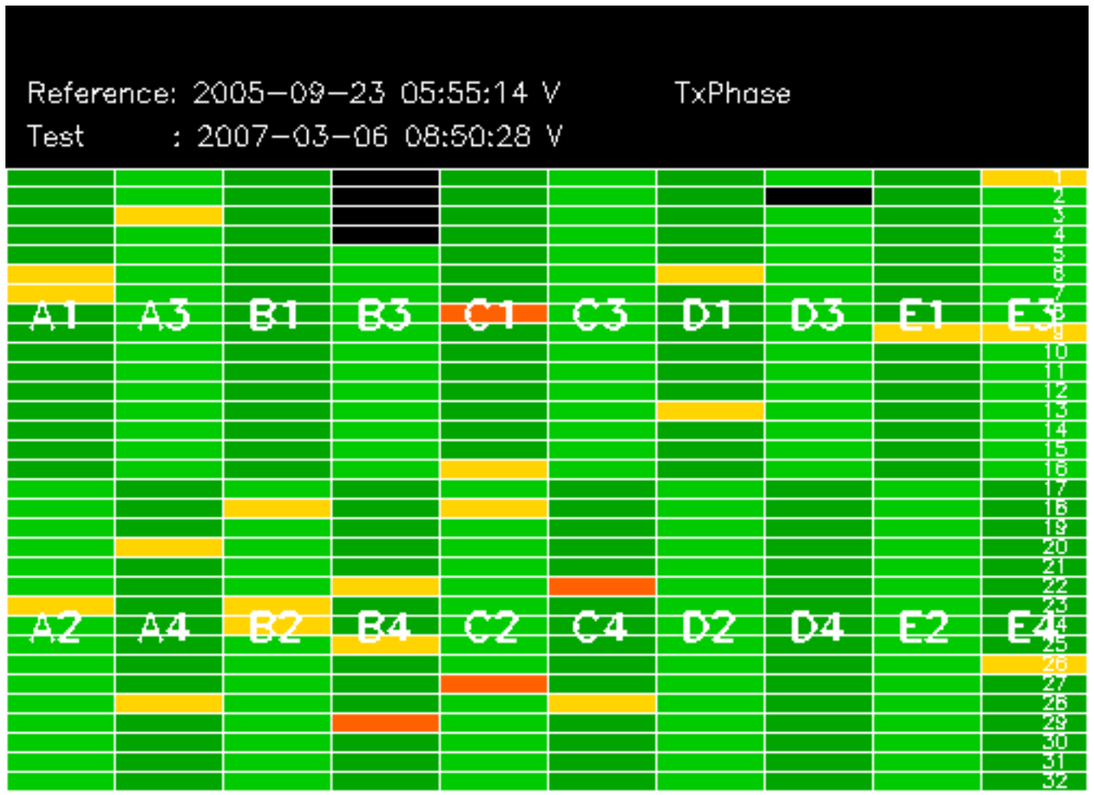
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-06 08:50:28 V
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
5
6
7
8
9
10
11
12
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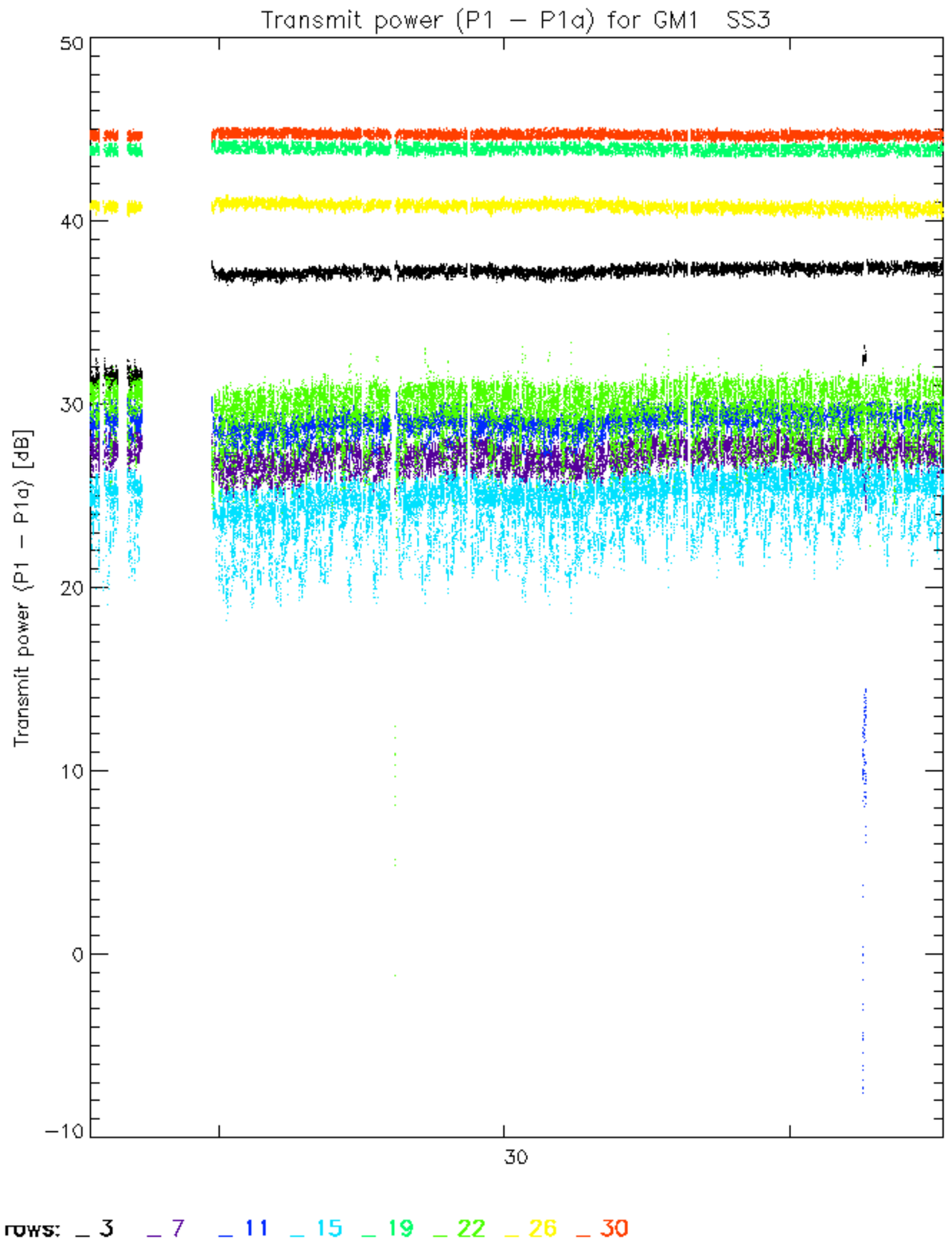
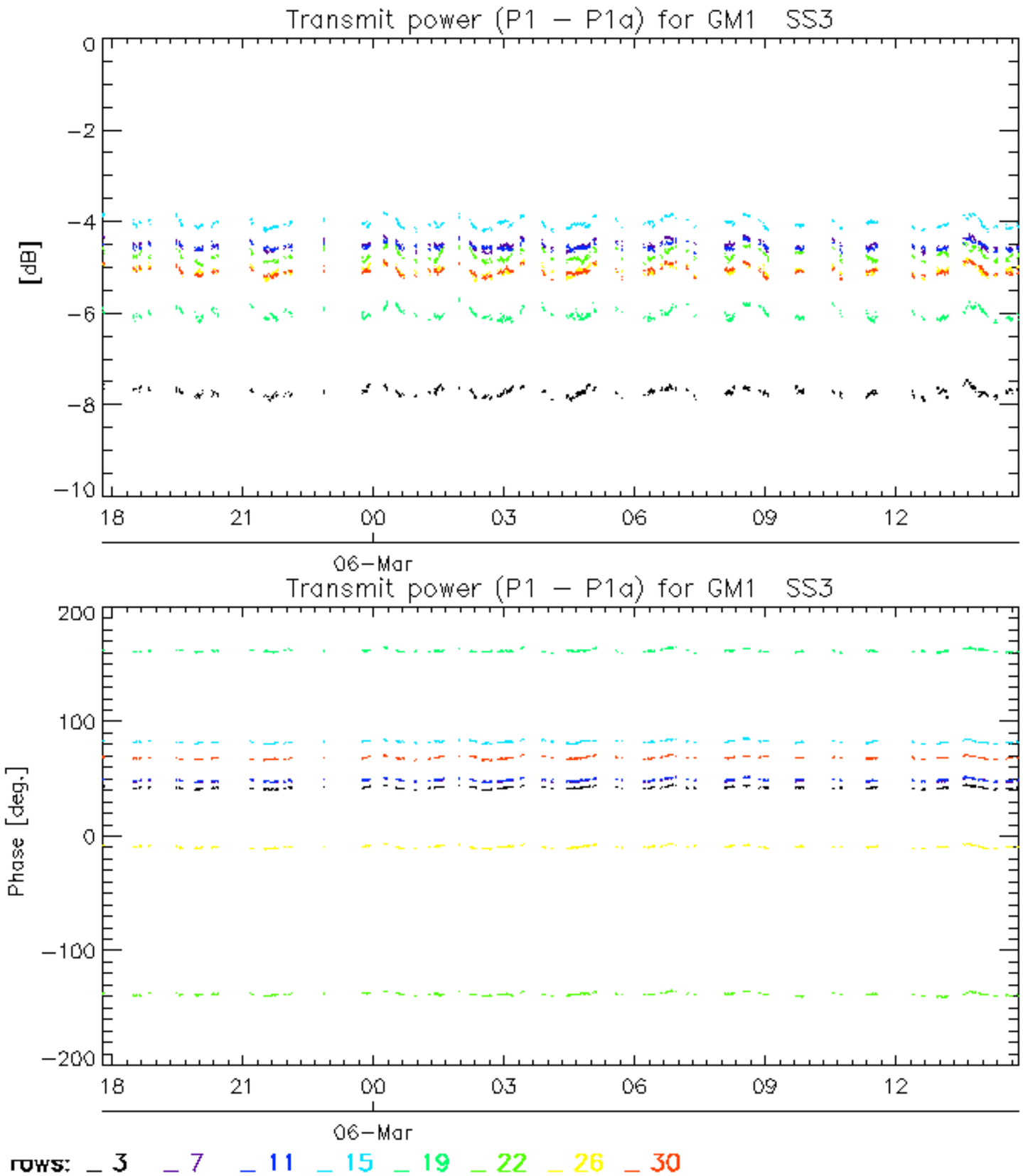
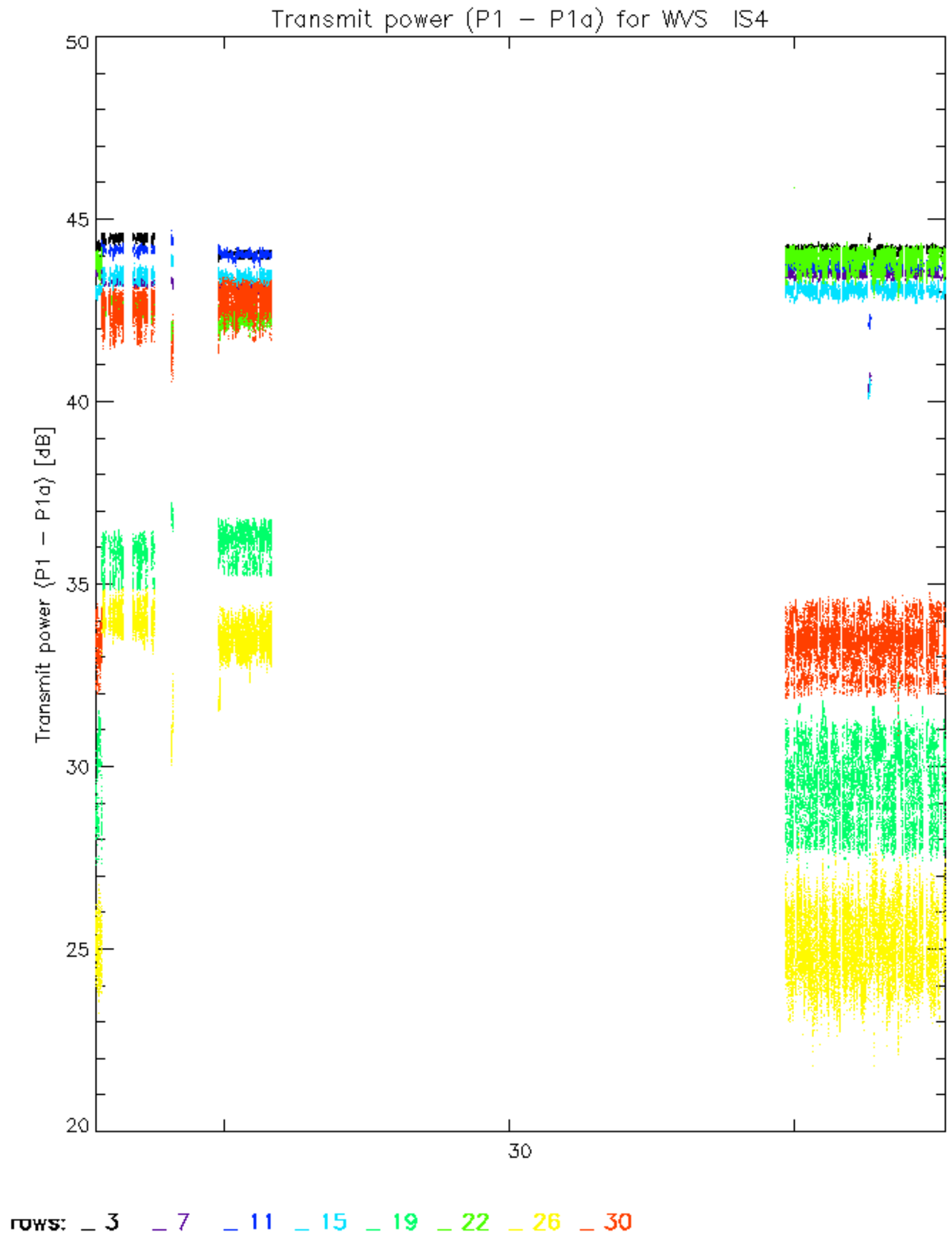
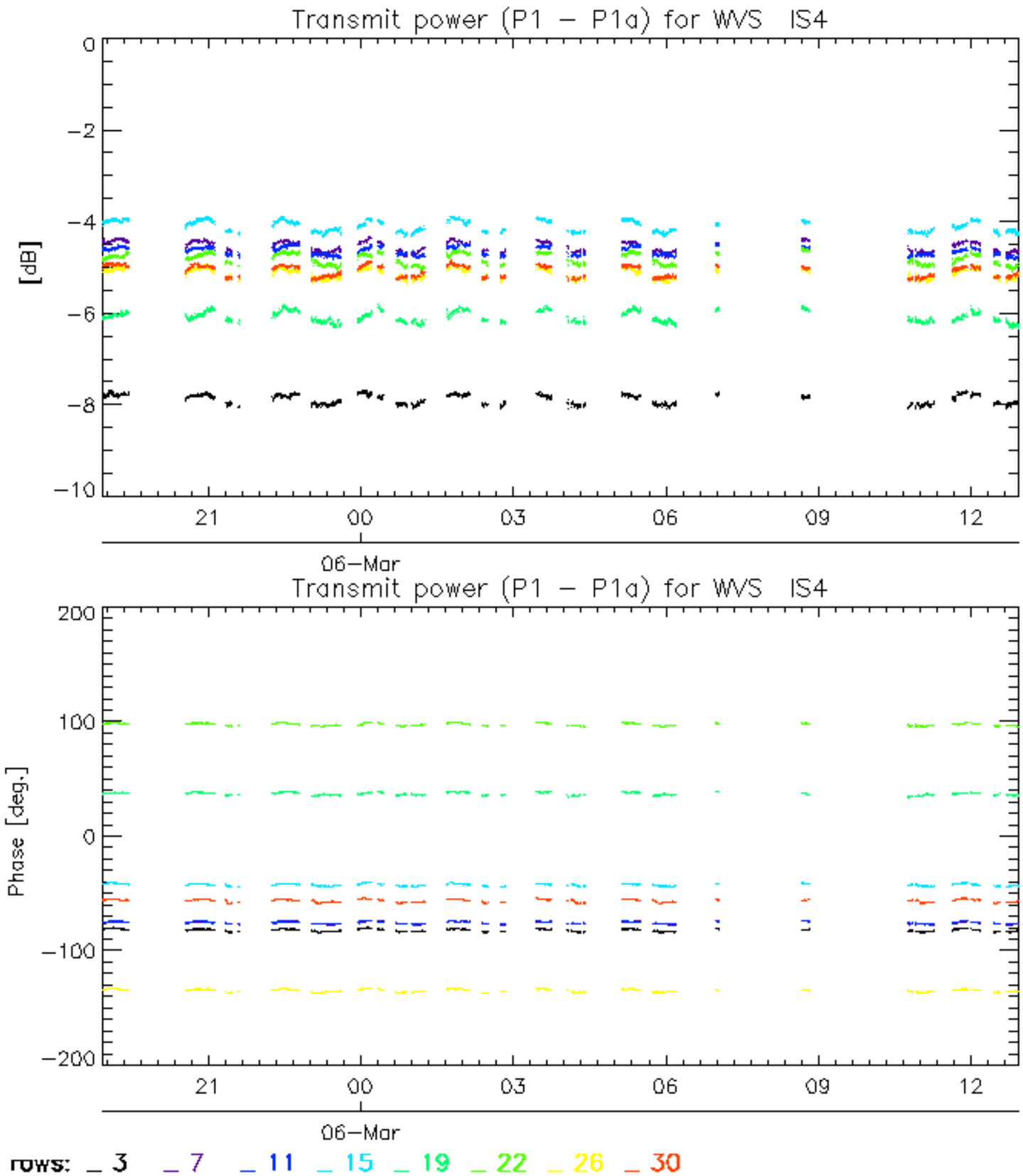
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
30
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
06−Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
06−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
30
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.