PRELIMINARY REPORT OF 070506

last update on Sun May 6 23:07:52 GMT 2007

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 2007-05-05 00:00:00 to 2007-05-06 23:07:52

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

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	42	89	14	0	27
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	42	89	14	0	27
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	42	89	14	0	27
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	89	14	0	27

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	48	61	67	10	46
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	48	61	67	10	46
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	48	61	67	10	46
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	48	61	67	10	46

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	20070505 204903
H	20070506 183650

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	-15.126043	0.147036	-0.266469
7	P1a	-17.564144	0.096187	-0.093093
11	P1a	-17.556770	0.363988	-0.631379
15	P1a	-13.043408	0.133373	-0.373922
19	P1a	-15.363555	0.072080	-0.284202
22	P1a	-15.938976	0.397398	-0.313152
26	P1a	-15.004813	0.218168	0.292208
30	P1a	-17.769955	0.370939	-0.648108

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.773845	0.010348	-0.048256
7	P1	-3.151665	0.009069	-0.028872
11	P1	-4.208329	0.013012	-0.002095
15	P1	-6.422607	0.020067	-0.133660
19	P1	-3.782173	0.011122	0.028520
22	P1	-4.748459	0.009617	-0.013291
26	P1	-3.915751	0.019343	0.050378
30	P1	-5.966999	0.009339	0.012313

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.659786	0.090800	-0.001887
7	P2	-21.549229	0.089303	0.107928
11	P2	-15.336968	0.117797	0.180602
15	P2	-7.129691	0.088336	-0.026012
19	P2	-9.120312	0.080553	-0.008099
22	P2	-18.089024	0.077048	-0.009810
26	P2	-16.628319	0.082094	-0.080171
30	P2	-19.272703	0.082006	0.043185

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245619	0.005177	-0.007640
7	P3	-8.245619	0.005177	-0.007640
11	P3	-8.245619	0.005177	-0.007640
15	P3	-8.245619	0.005177	-0.007640
19	P3	-8.245619	0.005177	-0.007640
22	P3	-8.245619	0.005177	-0.007640
26	P3	-8.245619	0.005177	-0.007640
30	P3	-8.245619	0.005177	-0.007640

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	-11.227575	0.121544	-0.185190
7	P1a	-10.049223	0.171934	0.081570
11	P1a	-10.684706	0.088773	0.036356
15	P1a	-10.819391	0.158464	0.140181
19	P1a	-15.817839	0.087344	-0.116645
22	P1a	-21.408525	1.459129	-0.333123
26	P1a	-15.514117	0.365152	-0.171998
30	P1a	-18.307680	0.451670	0.122765

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.430441	0.072346	0.138422
7	P1	-2.399985	0.089161	0.074665
11	P1	-2.883205	0.022976	0.059668
15	P1	-3.813272	0.035871	0.051449
19	P1	-3.591355	0.014497	-0.029664
22	P1	-4.963790	0.023411	0.078324
26	P1	-6.042141	0.024970	-0.048038
30	P1	-5.341461	0.031847	-0.030313

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.182484	0.064713	-0.057223
7	P2	-22.043575	0.173185	-0.038563
11	P2	-10.639389	0.043729	-0.035007
15	P2	-4.927238	0.041166	-0.065987
19	P2	-6.869756	0.039797	-0.015083
22	P2	-8.107635	0.080748	0.018590
26	P2	-24.323679	0.131549	-0.020248
30	P2	-21.707001	0.101792	0.049783

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.090555	0.004905	0.002216
7	P3	-8.090529	0.004909	0.002294
11	P3	-8.090391	0.004907	0.001987
15	P3	-8.090338	0.004907	0.001962
19	P3	-8.090439	0.004929	0.002085
22	P3	-8.090330	0.004900	0.002457
26	P3	-8.090427	0.004909	0.002164
30	P3	-8.090344	0.004901	0.002147

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	0.000547046
	stdev	1.97797e-07
MEAN Q	mean	0.000498823
	stdev	2.41819e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135704
	stdev	0.00121756
STDEV Q	mean	0.136092
	stdev	0.00123509

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007050[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDK20070504_083350_000000612057_00451_27058_4312.N1	0	26
ASA_GM1_1PNPDK20070504_103913_000001632057_00452_27059_6905.N1	0	15
ASA_GM1_1PNPDK20070504_103940_000001322057_00452_27059_4839.N1	0	15
ASA_GM1_1PNPDK20070504_140155_000001502057_00454_27061_5837.N1	0	14
ASA_GM1_1PNPDK20070504_141822_000001632057_00454_27061_5839.N1	0	7
ASA_GM1_1PNPDK20070504_144335_000006462057_00454_27061_5971.N1	0	23
ASA_WSM_1PNPDE20070504_023250_000000852057_00447_27054_7677.N1	0	27
ASA_WSM_1PNPDE20070505_134710_000000852057_00468_27075_9521.N1	0	26
ASA_WSM_1PNPDE20070506_094328_000000852057_00480_27087_0728.N1	0	1

ASA_WSM_1PNPDE20070506_113212_000001532057_00481_27088_0776.N1	0	25
ASA_APM_1PNPDE20070506_023611_000000422057_00476_27083_0204.N1	6	0

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

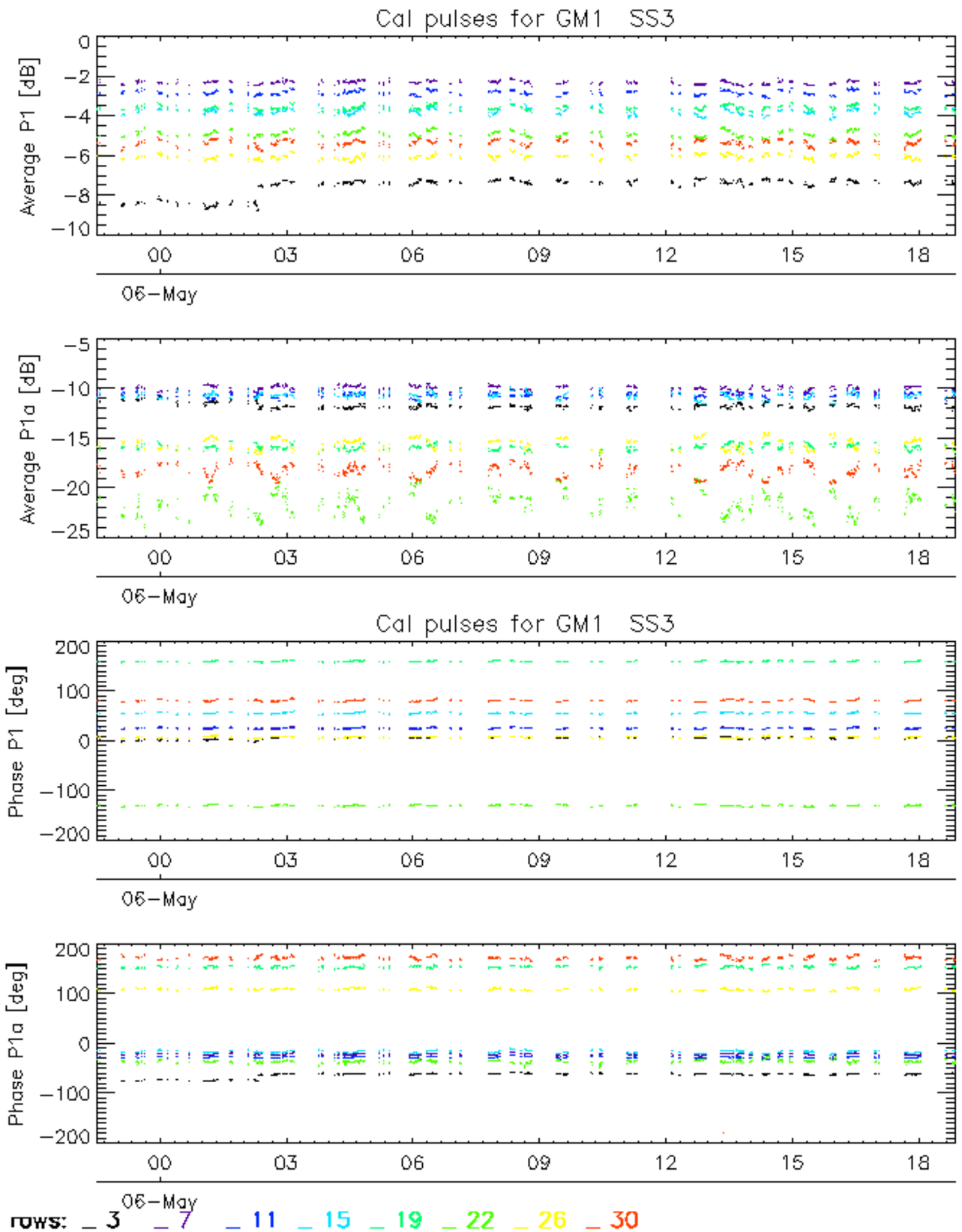
Evolution of Absolute Doppler

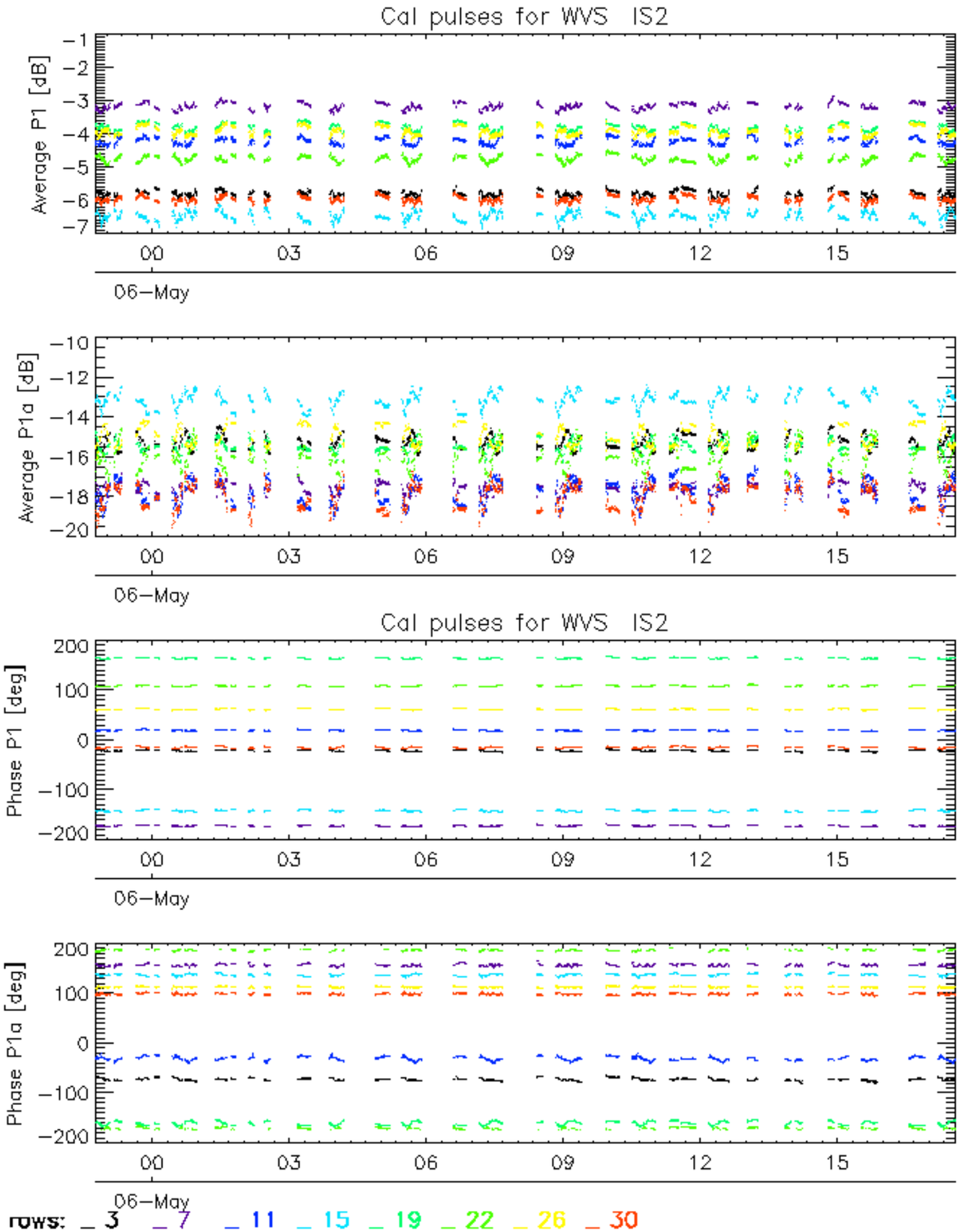
Acsending

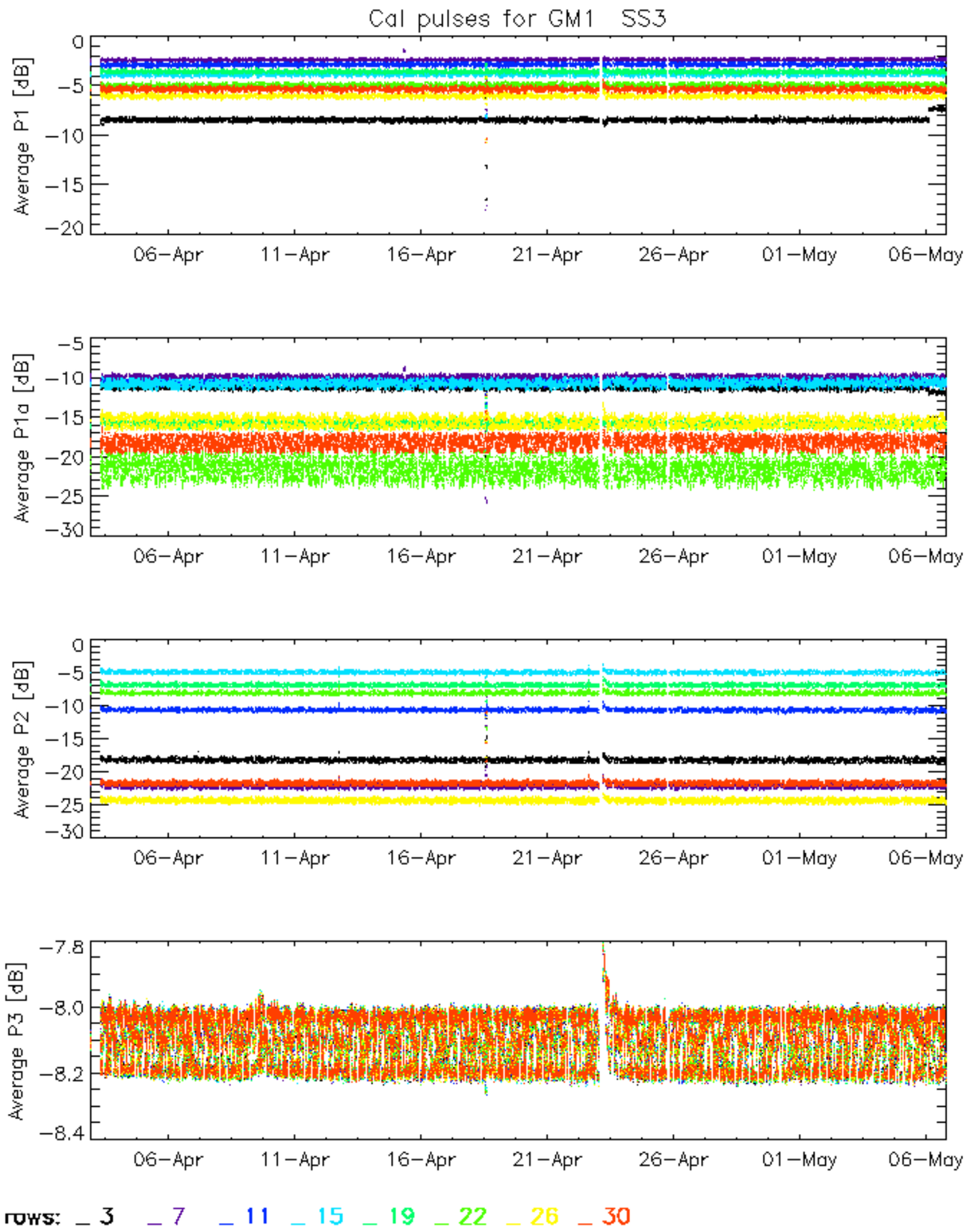
Descending

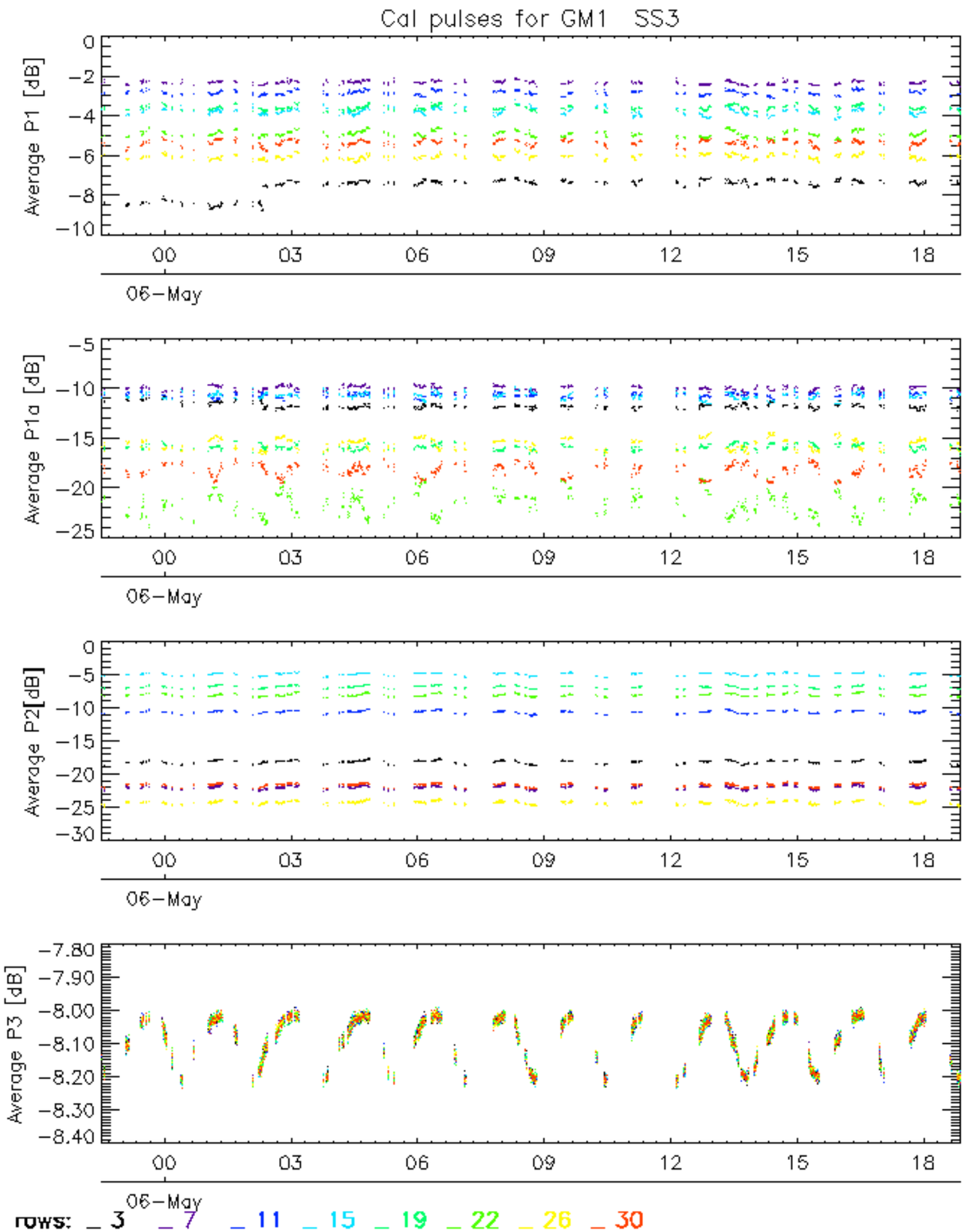
7.6 - Doppler evolution versus ANX for GM1

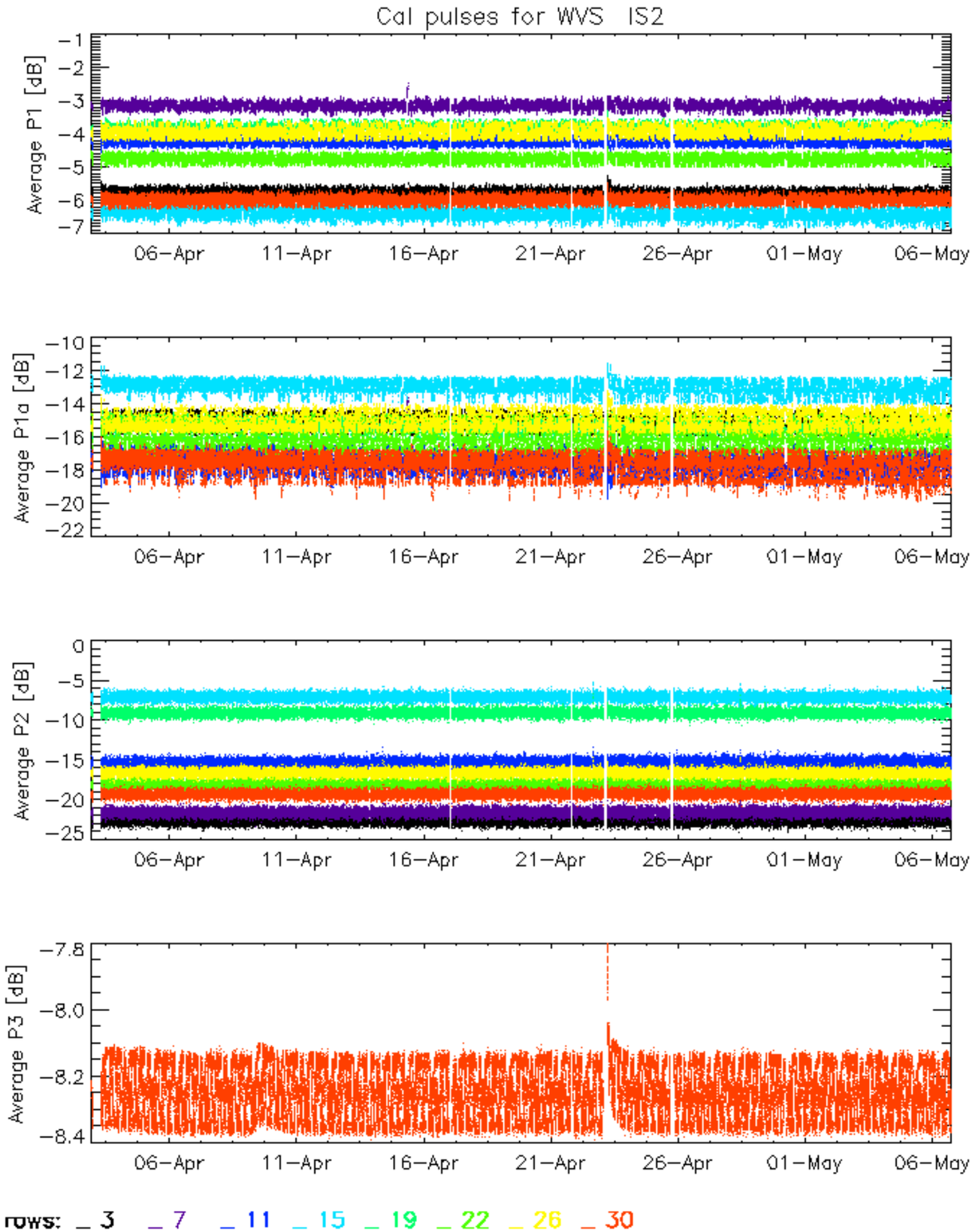
Evolution Doppler error versus ANX

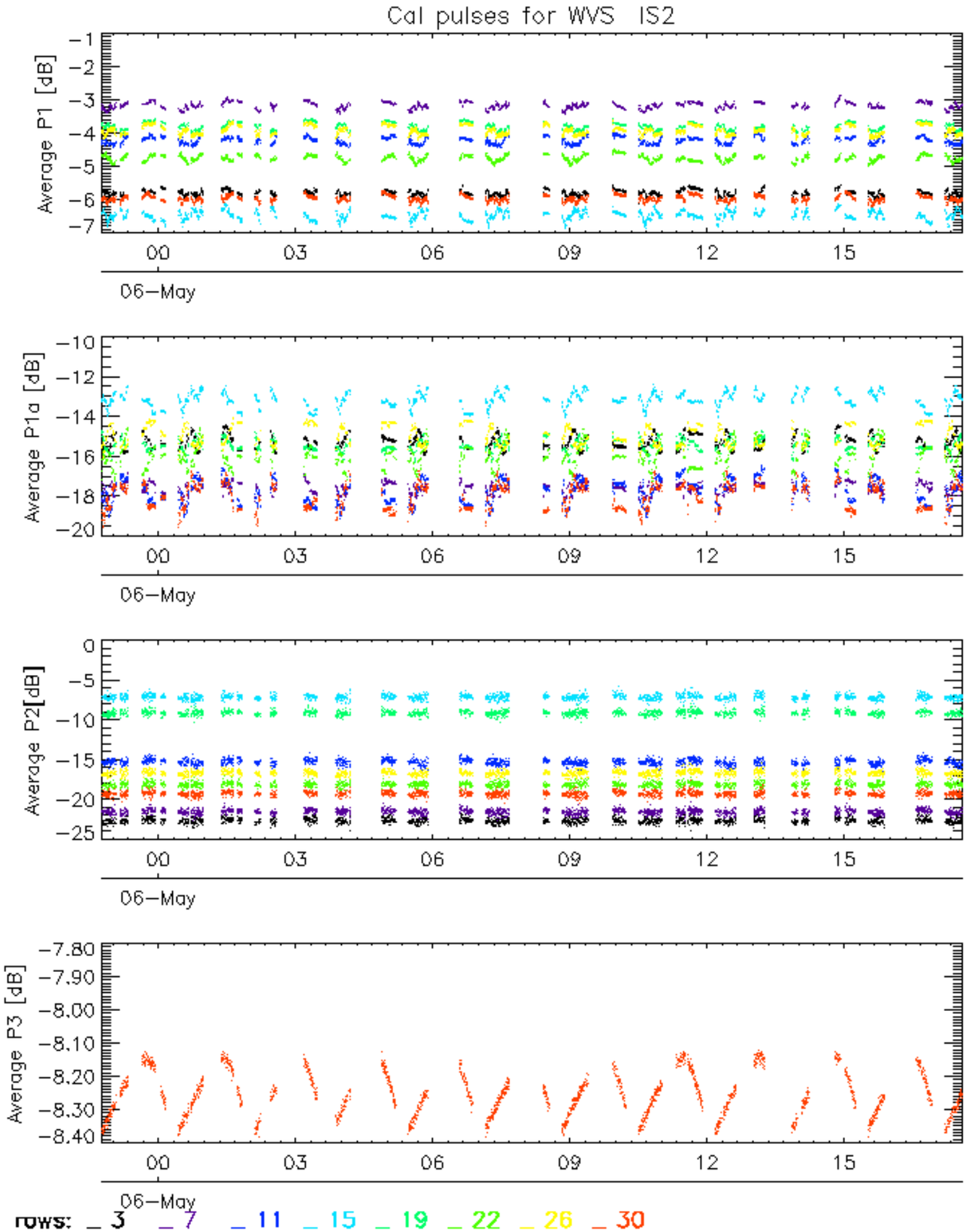


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
06−May
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

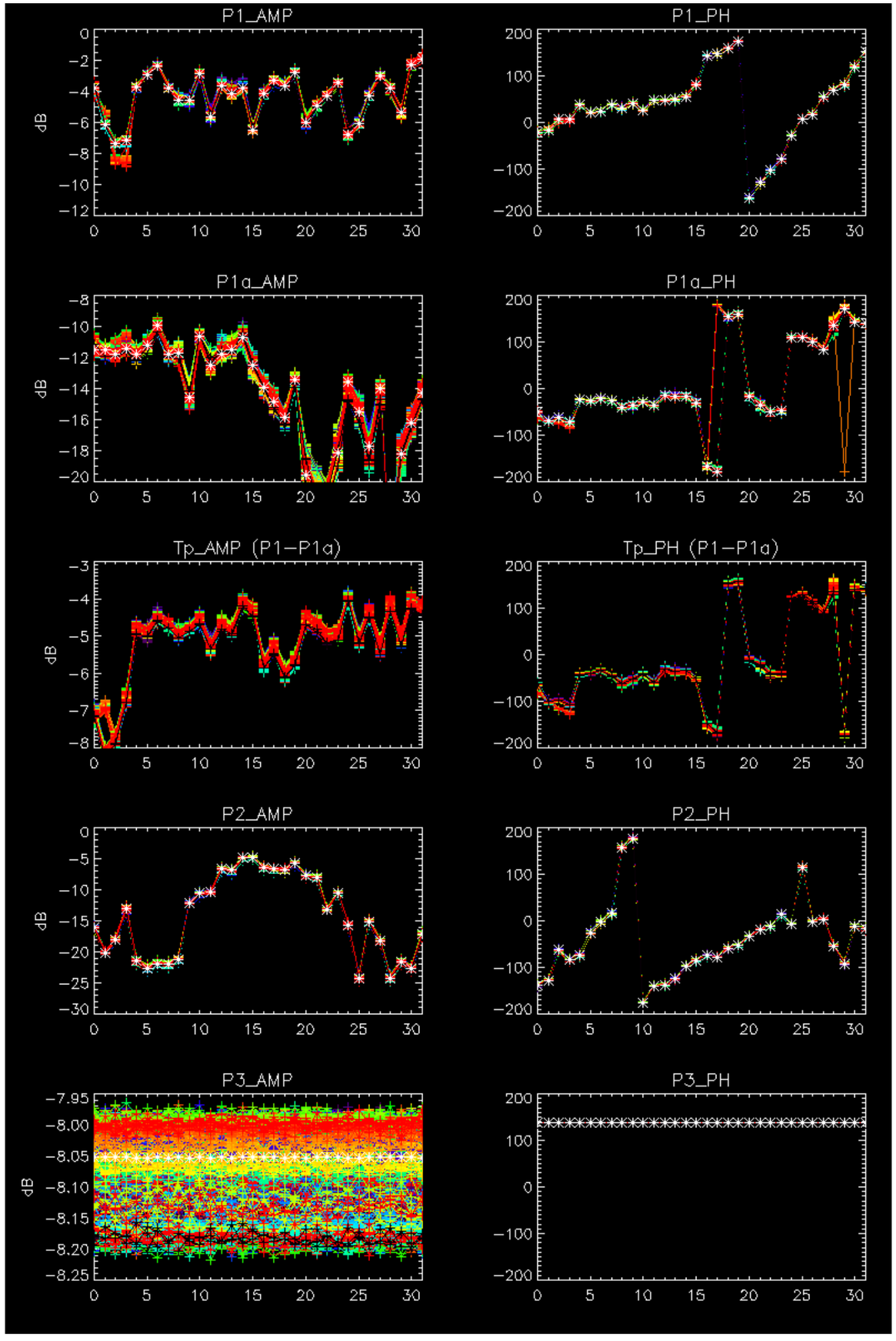

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

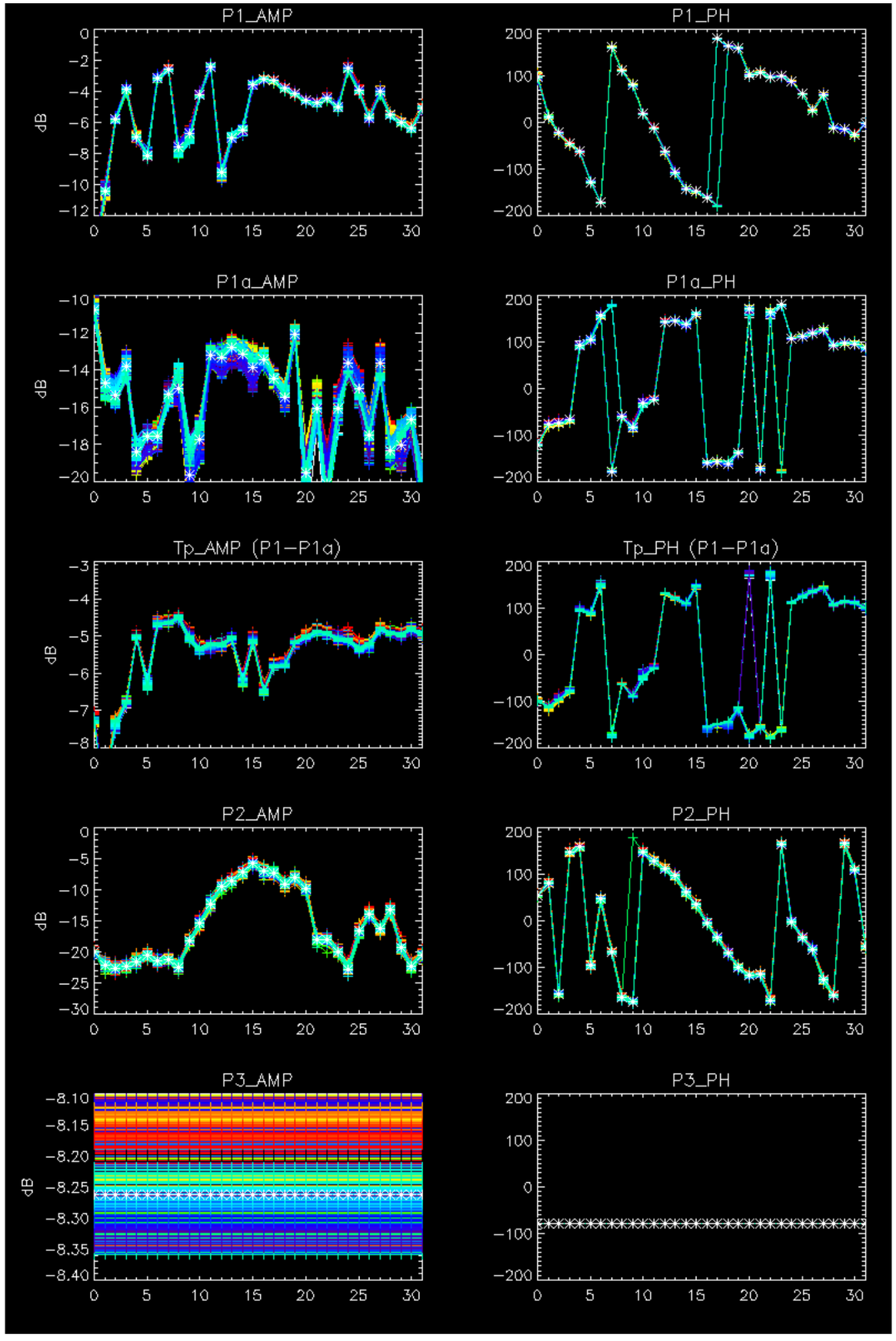

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
06−May
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
03
06
09
12
15
06−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
03
06
09
12
15
06−May
Average P2[dB]
0
−5
−10
−15
−20
−25
00
03
06
09
12
15
06−May
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
00
03
06
09
12
15
06−May
rows: 3 7 11 15 19 22 26 30

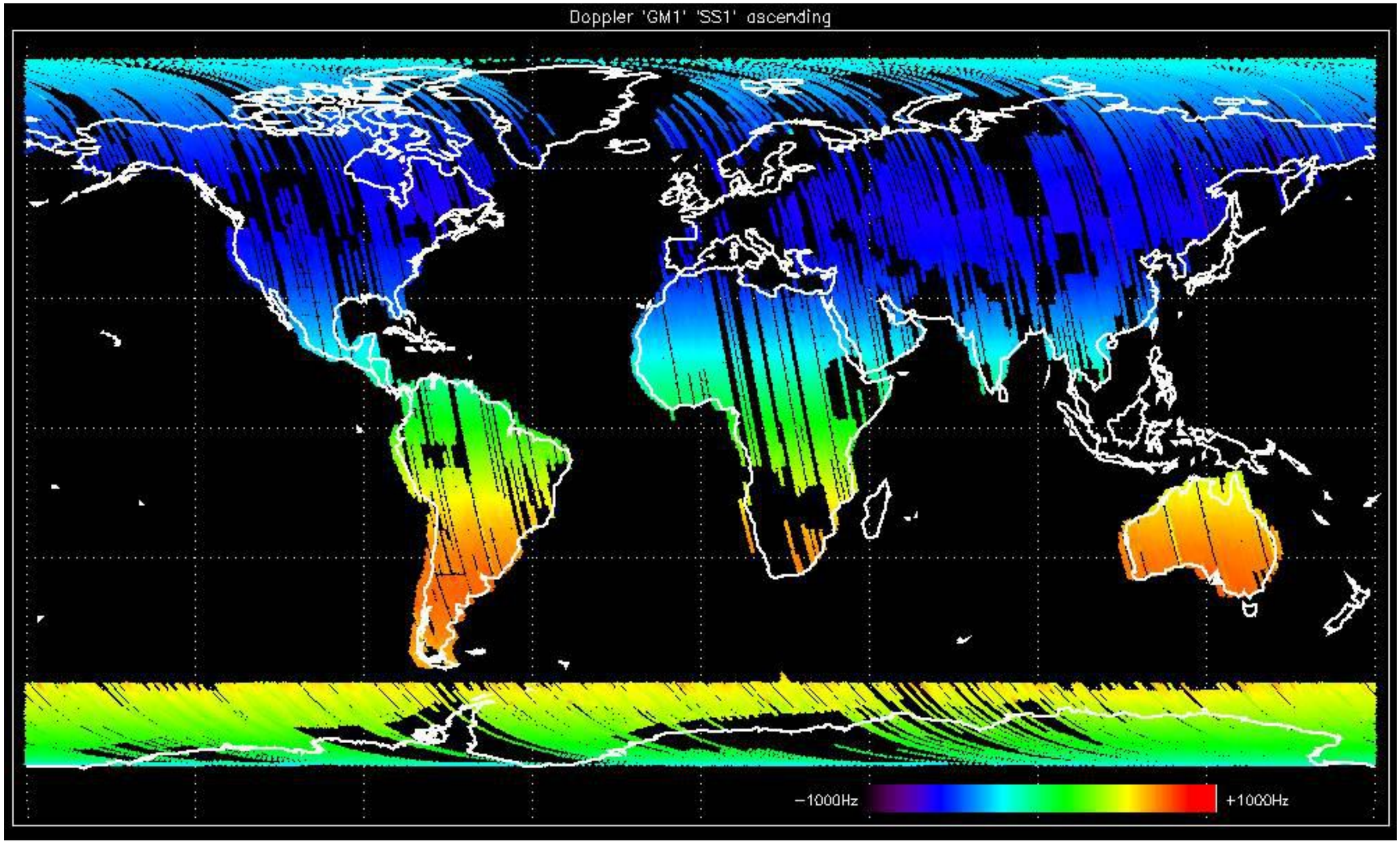
No anomalies observed.

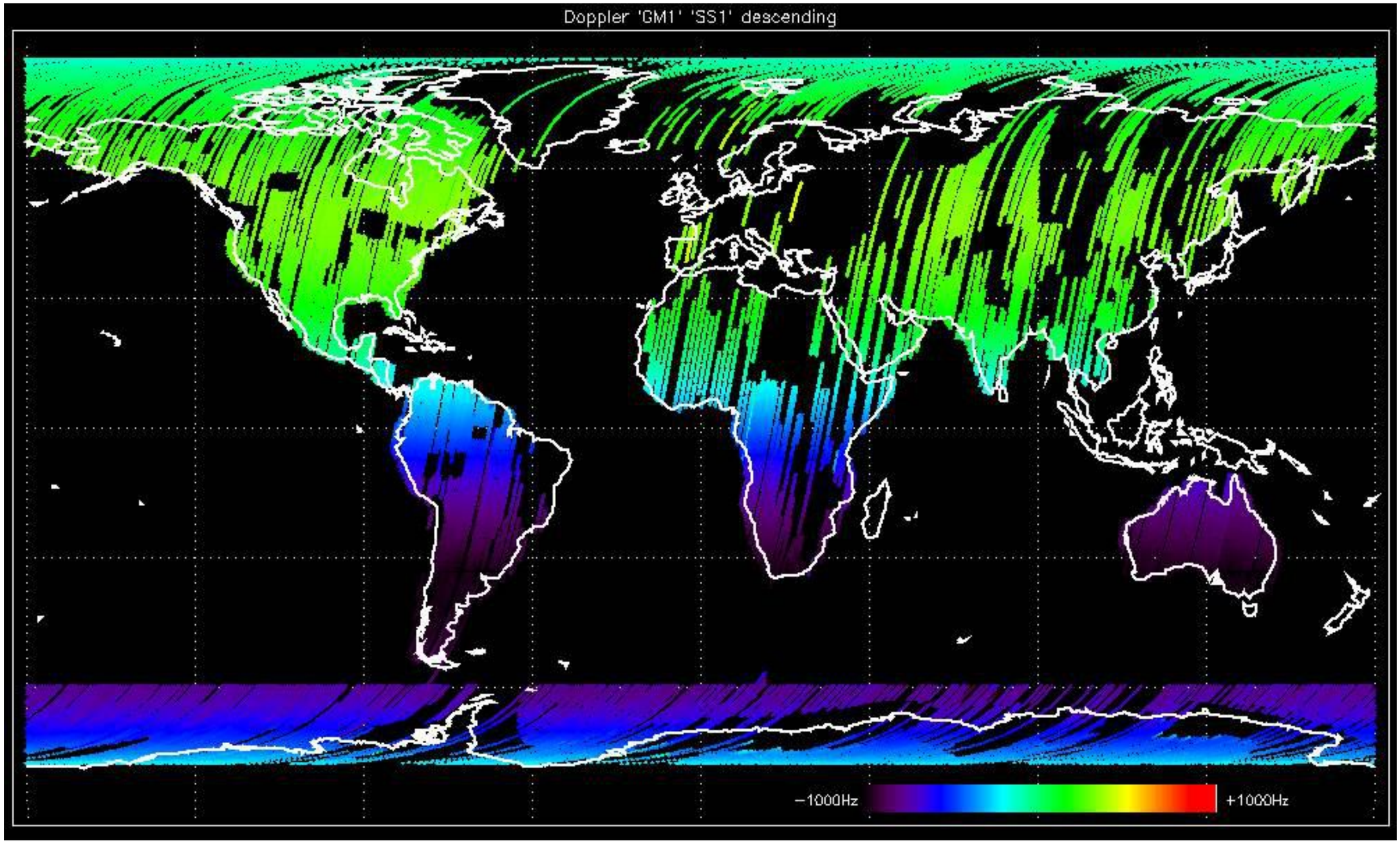

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

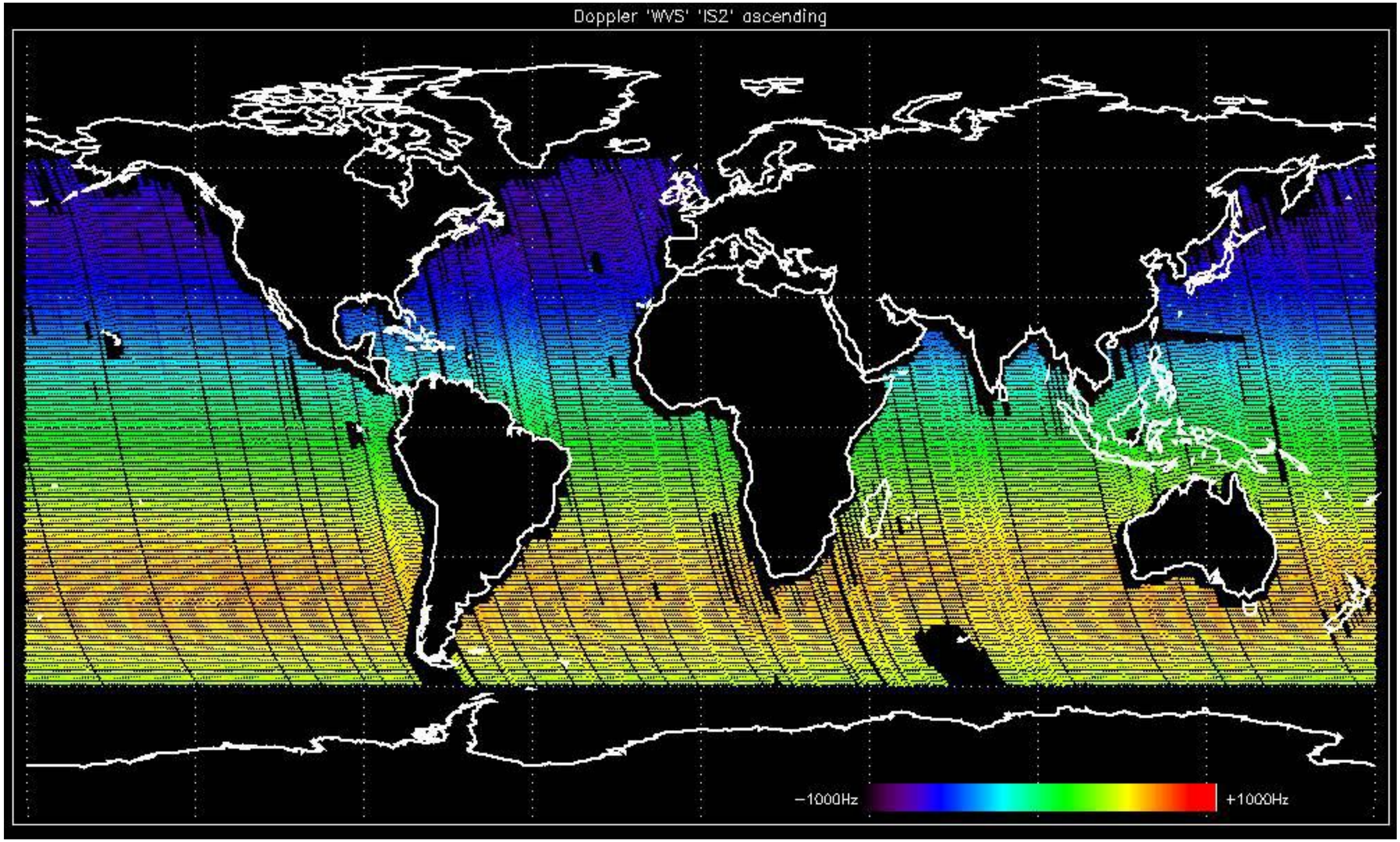

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

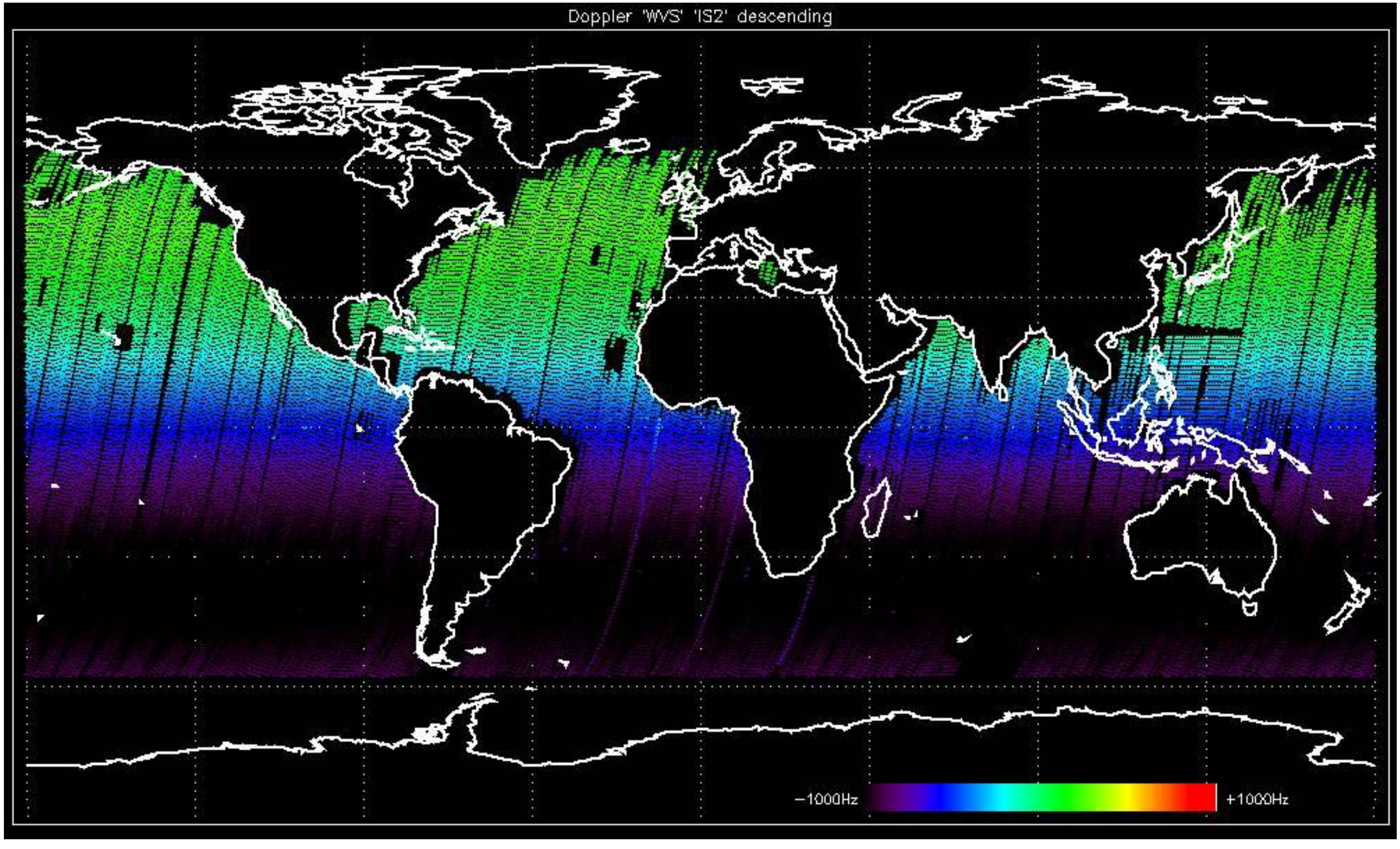
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

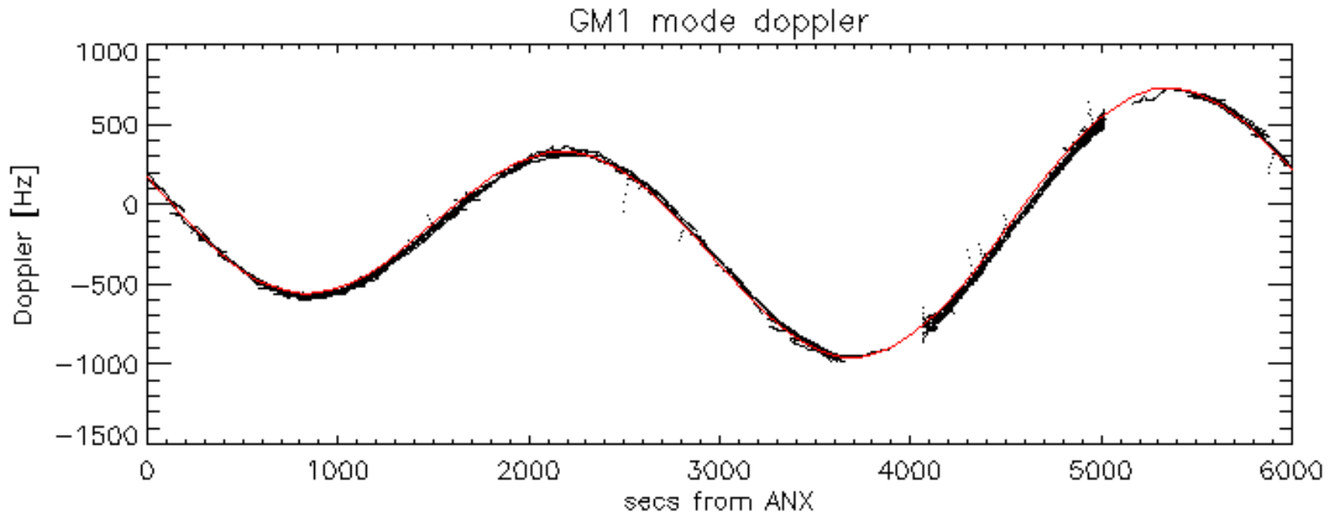
Preliminary report.The data is not yet controled

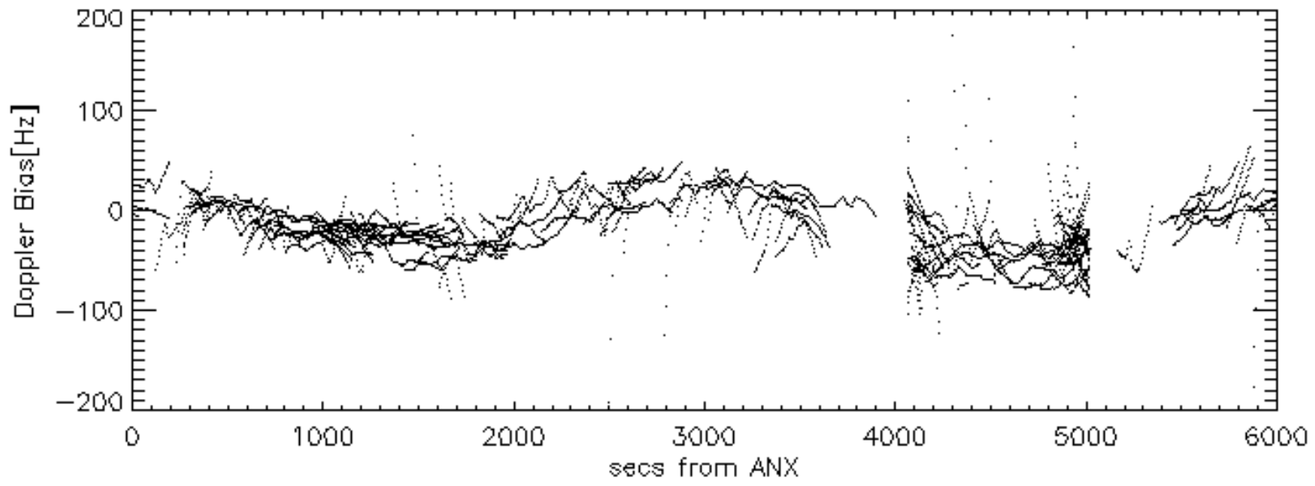

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

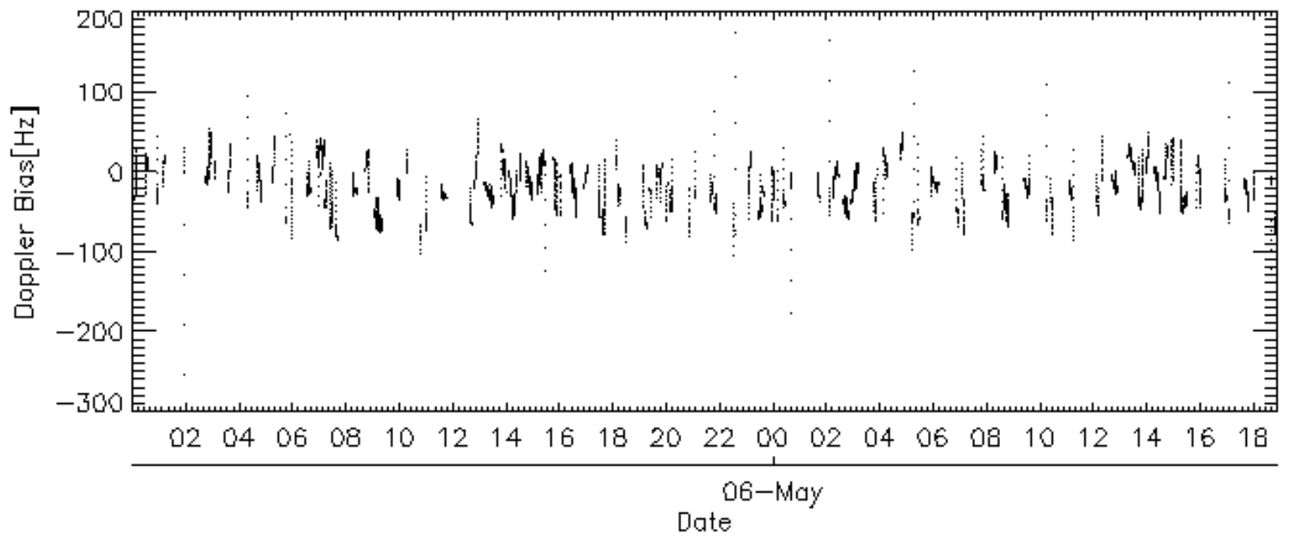

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

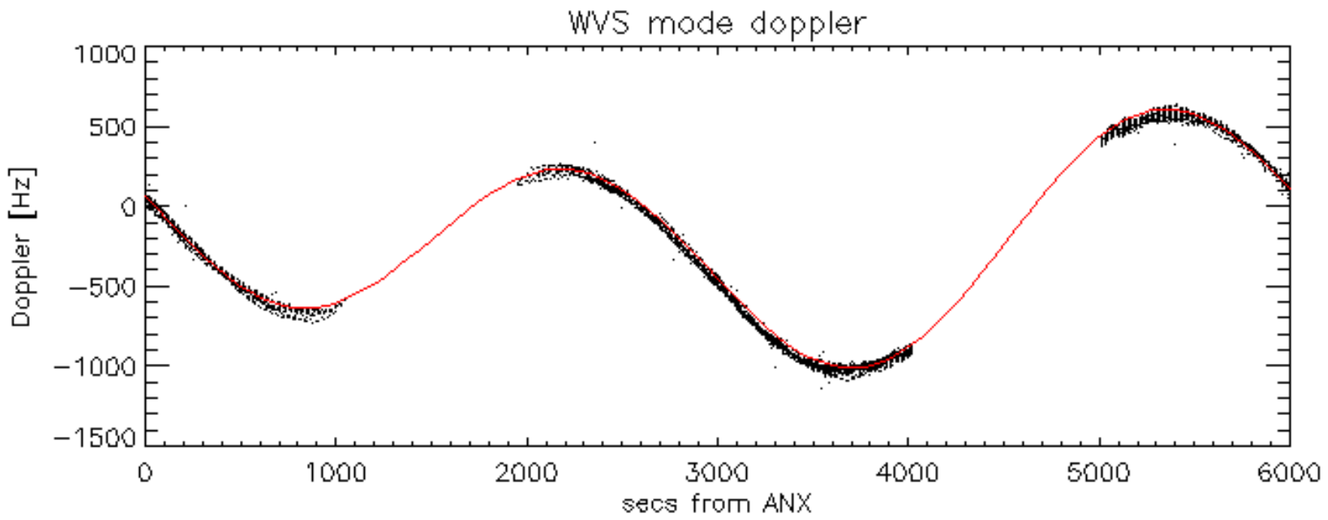

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

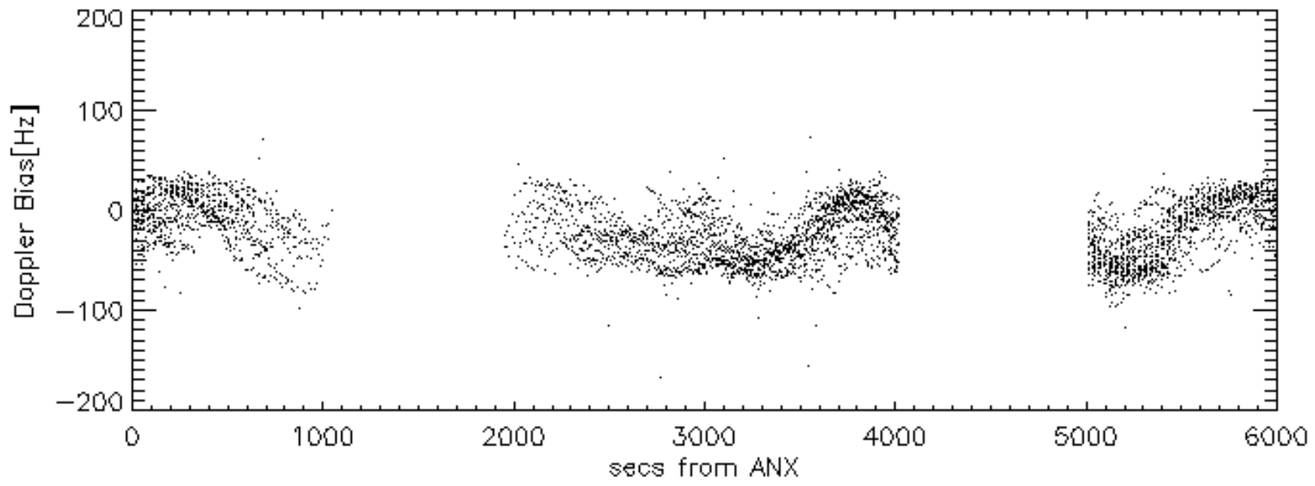

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

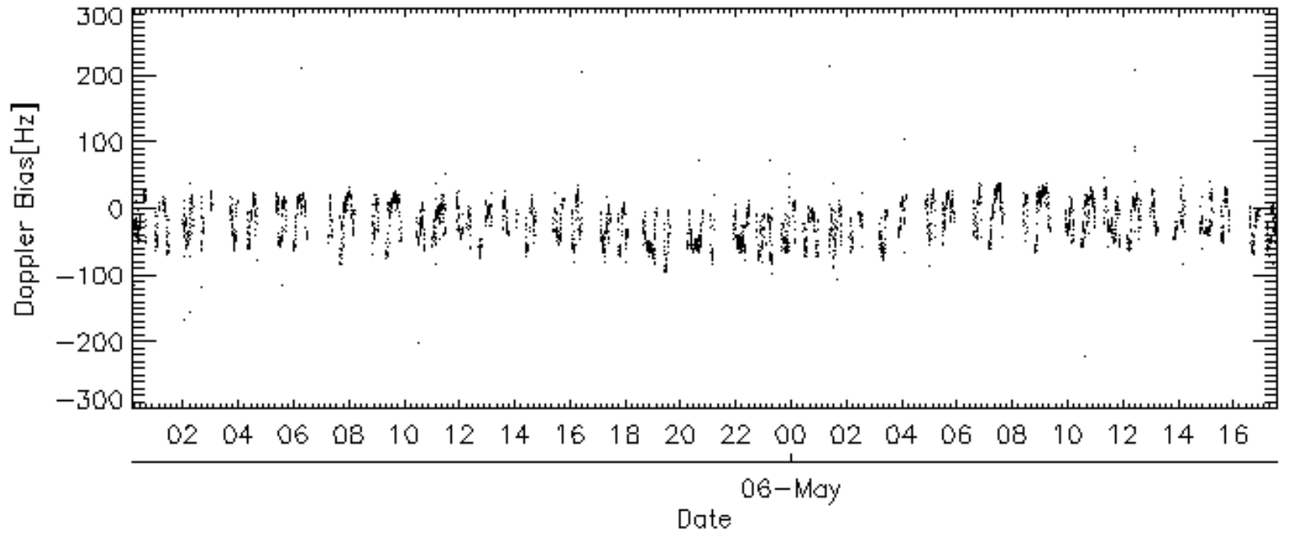

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

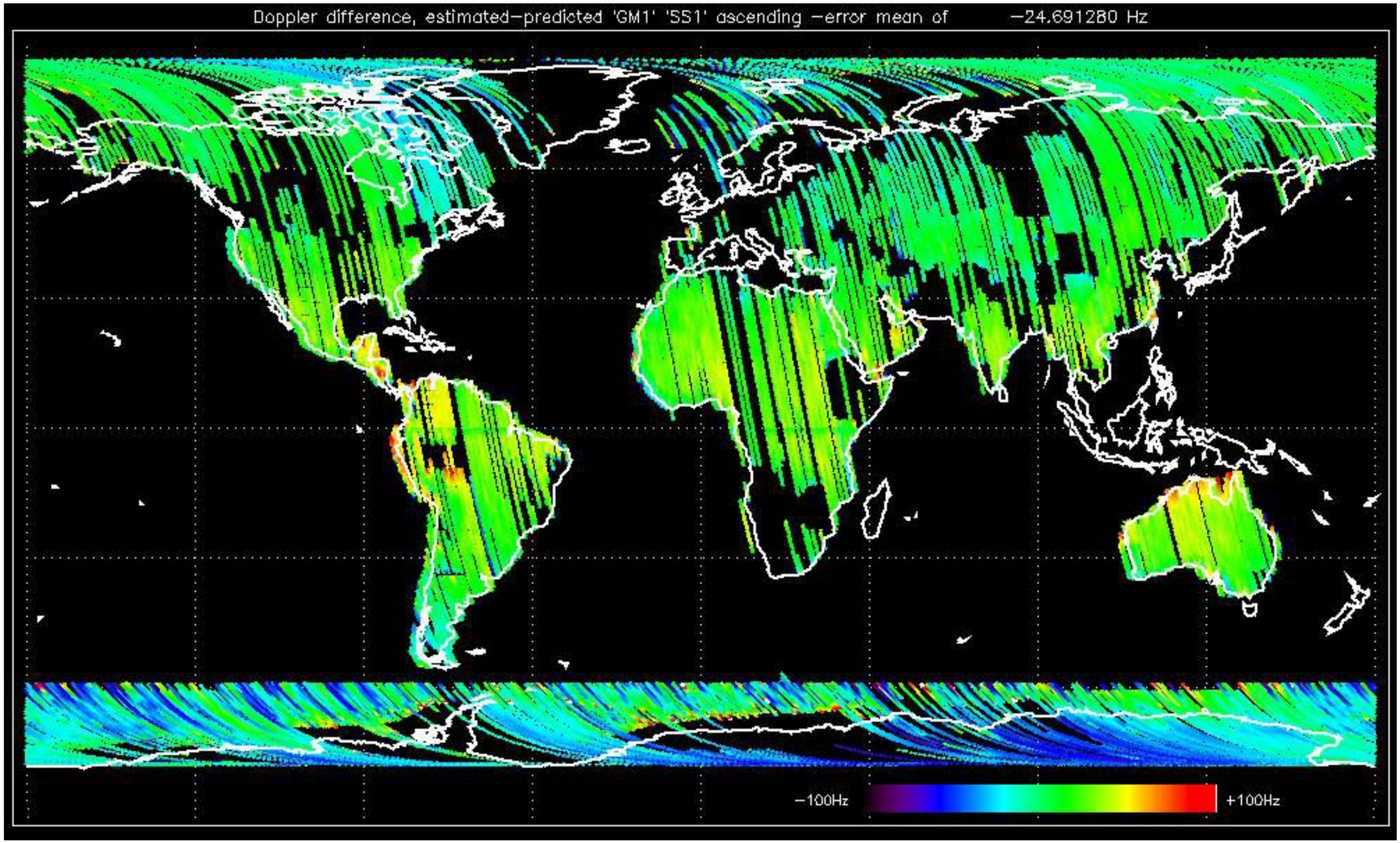

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

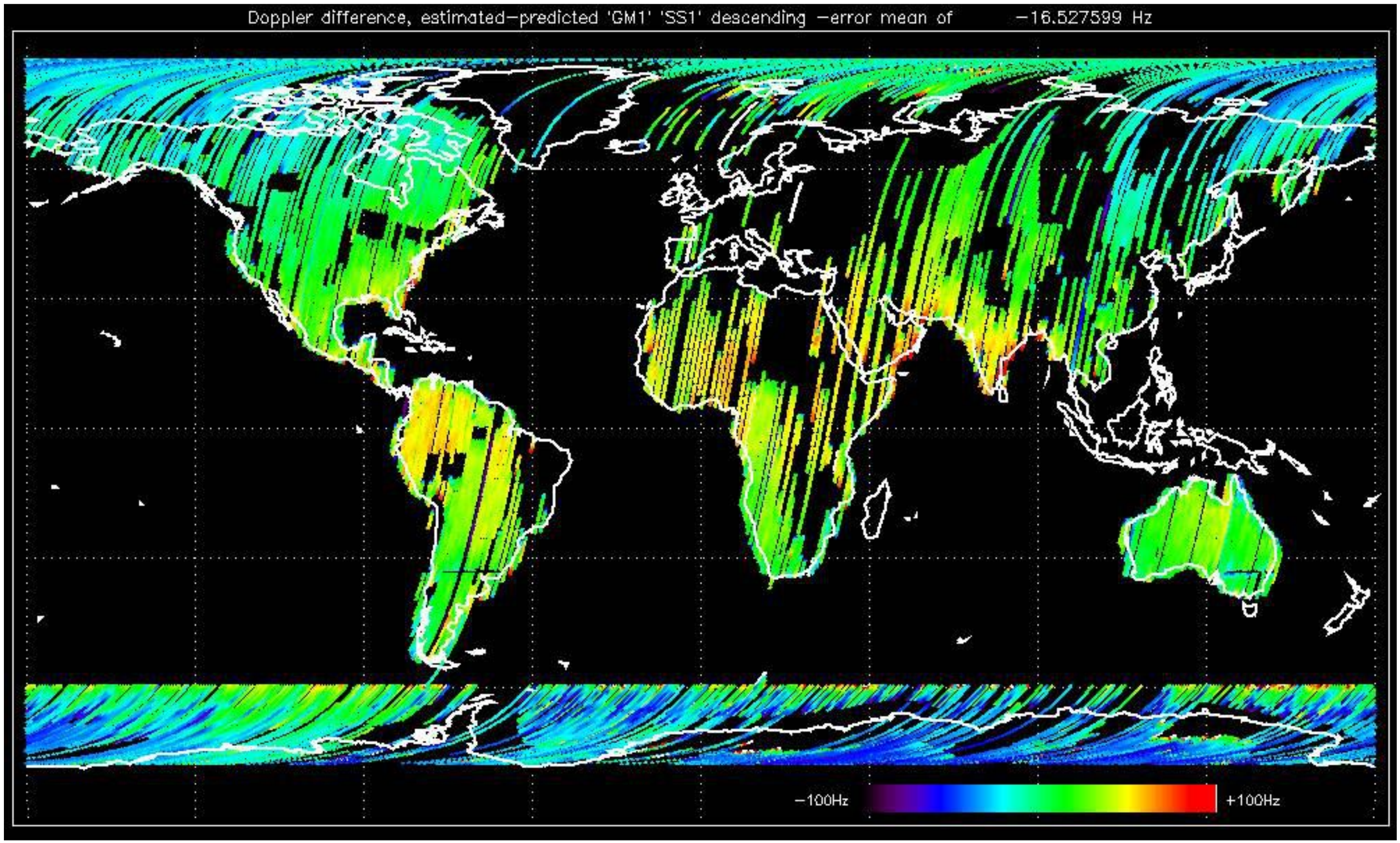

Doppler Bias[Hz]
200
100
0
−100
−200
−300
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18
06−May
Date

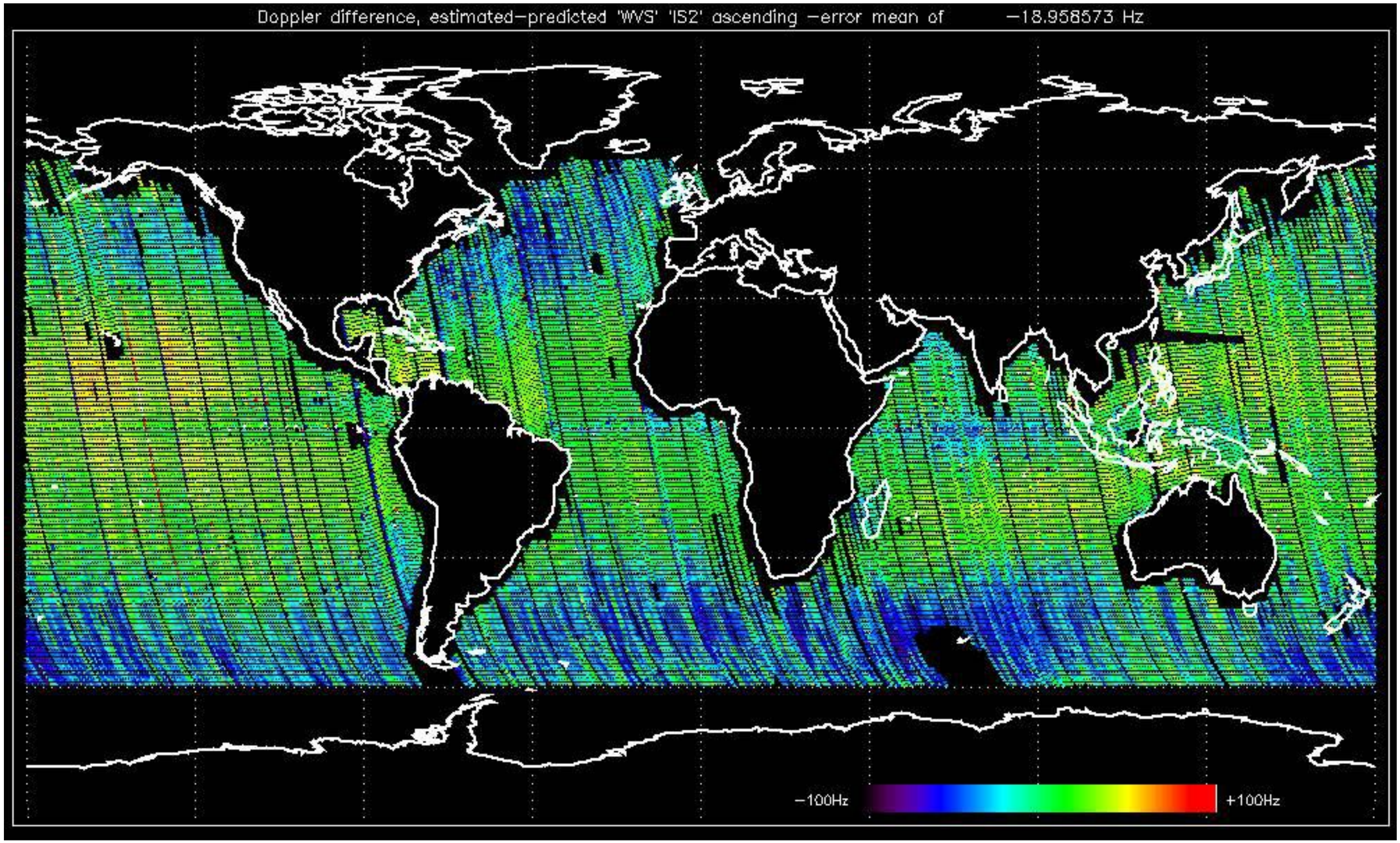

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

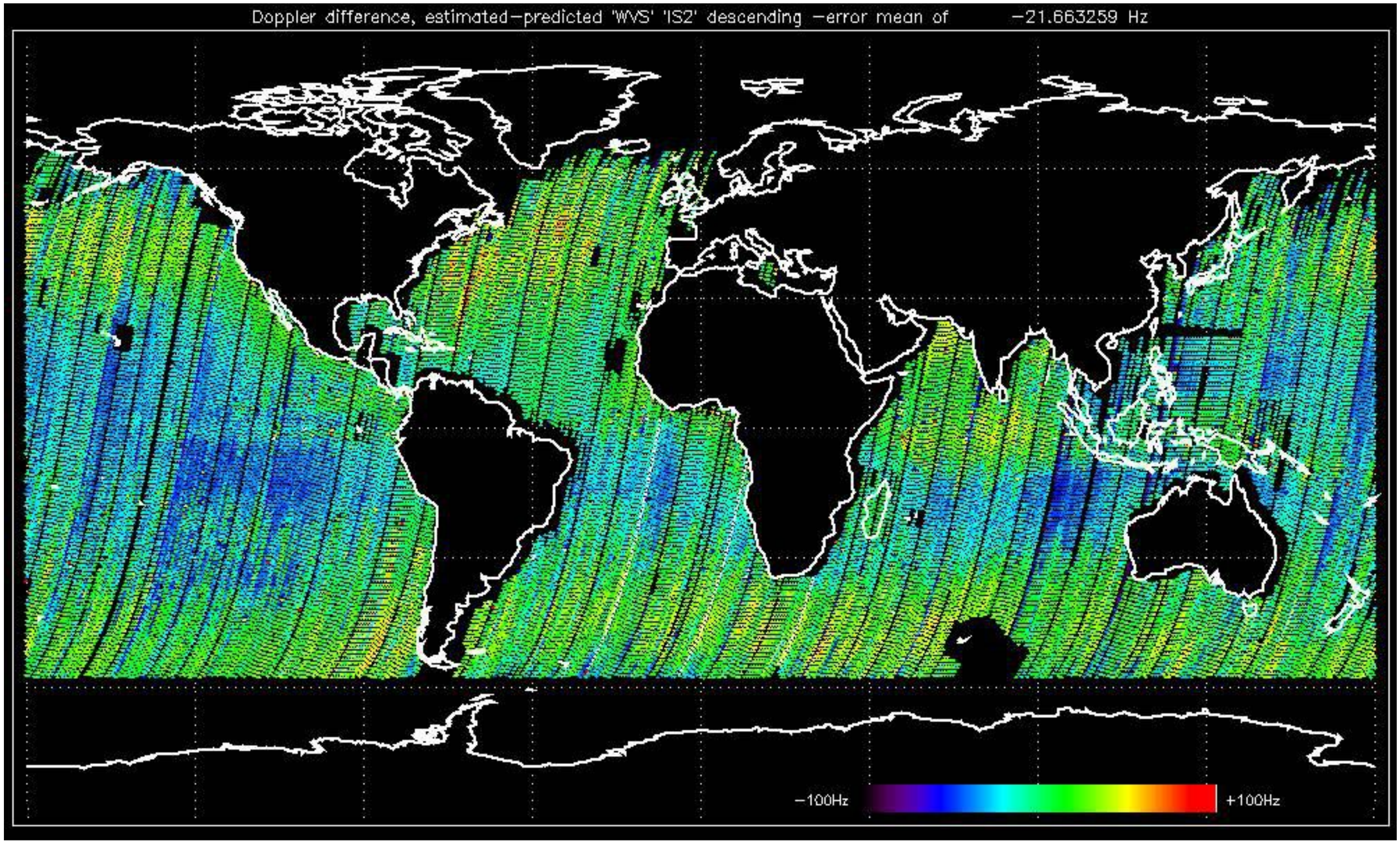

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −24.691280 Hz
−100Hz
+100Hz

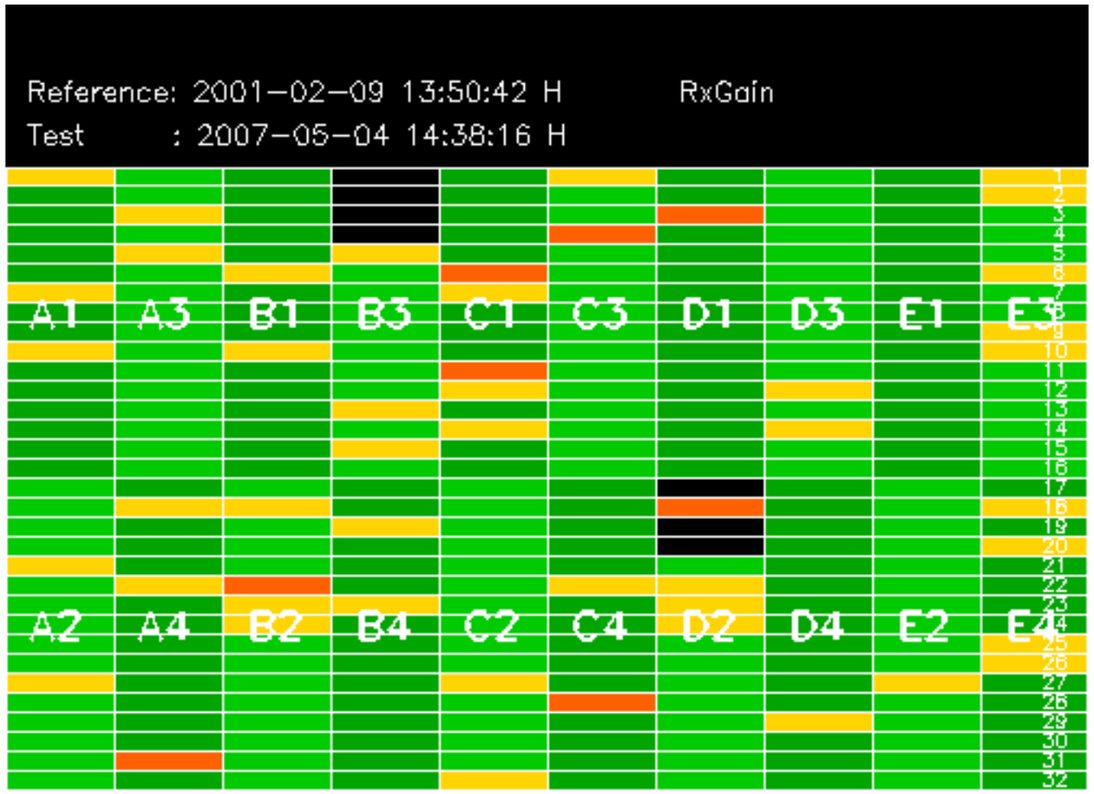

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.527599 Hz
−100Hz
+100Hz

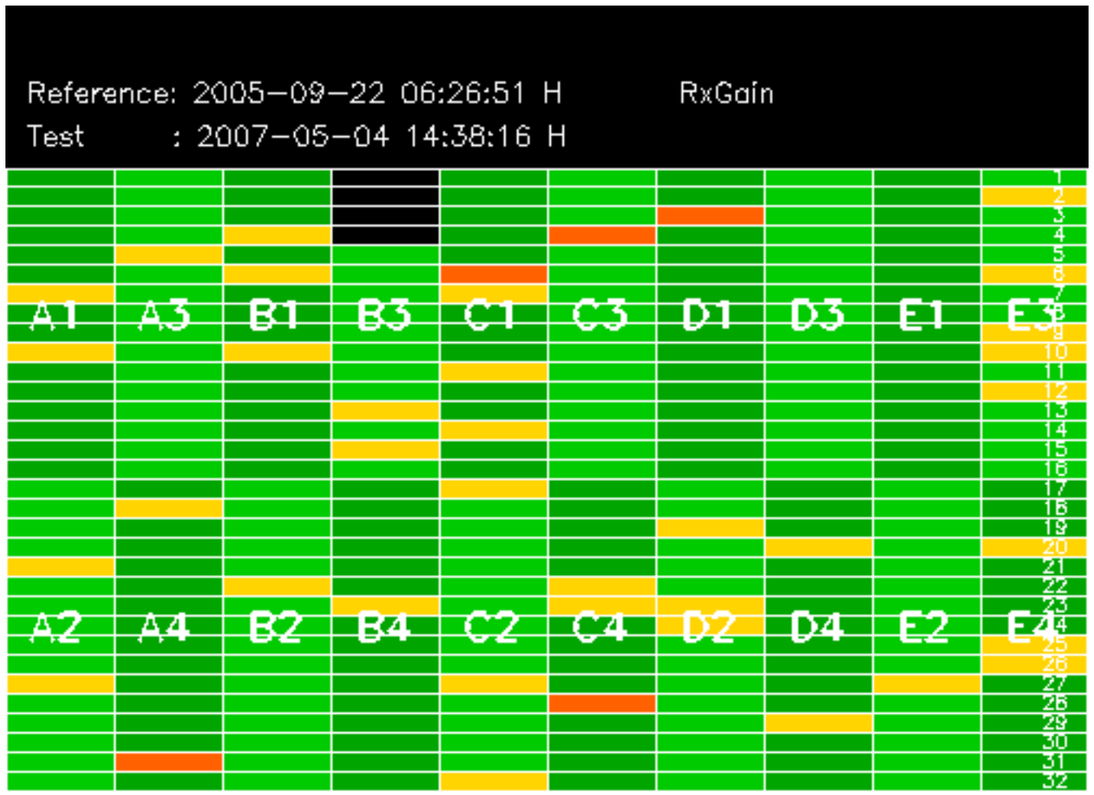

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −18.958573 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.663259 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-04 14:38:16 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
RxGain
Test : 2007-05-04 14:38:16 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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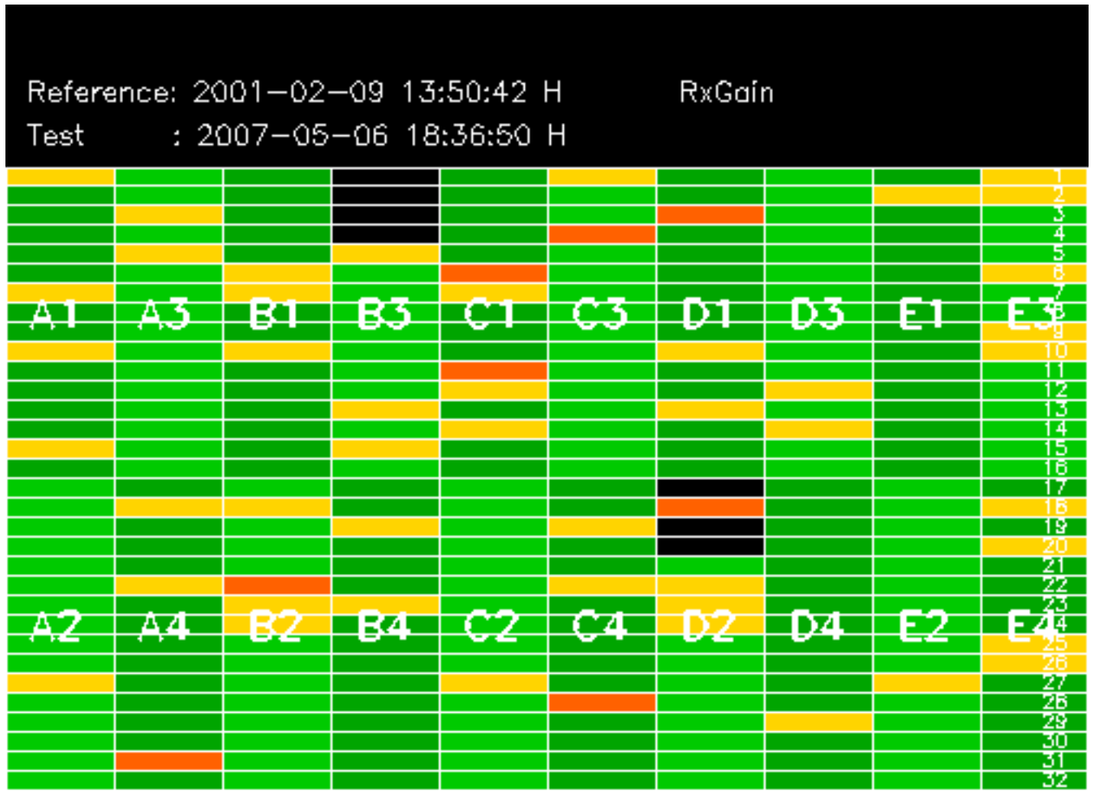
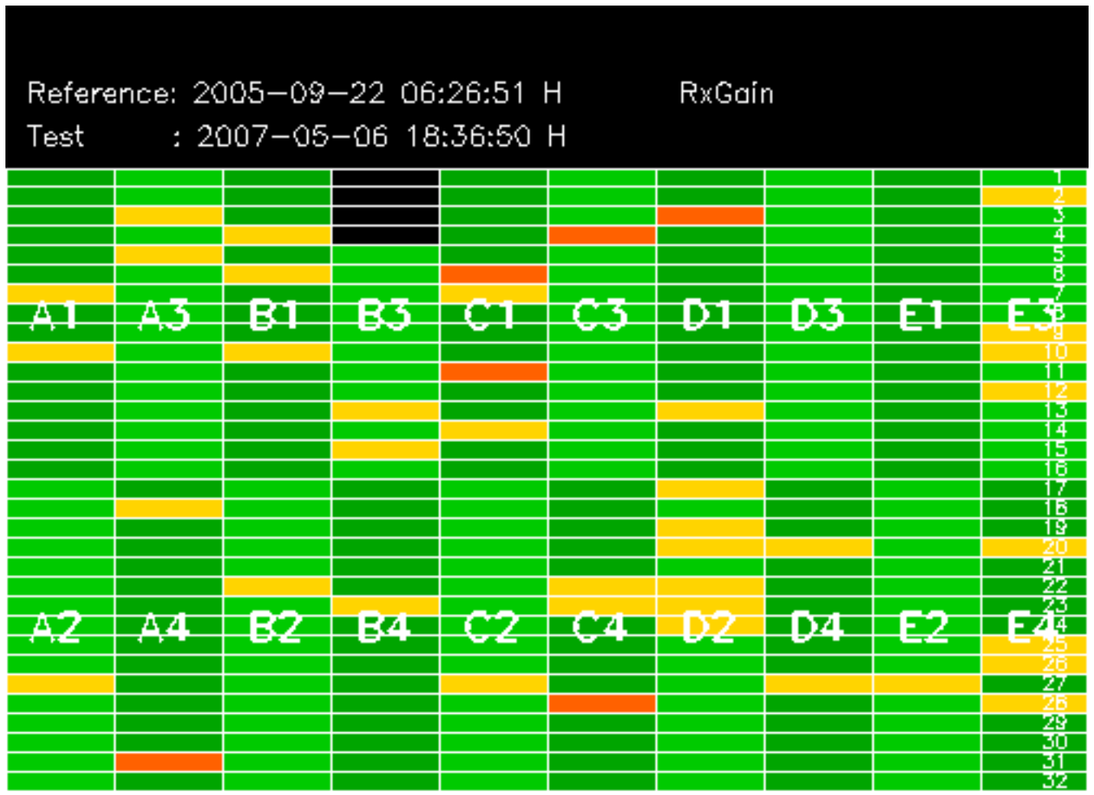

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-06 18:36:50 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-05-06 18:36:50 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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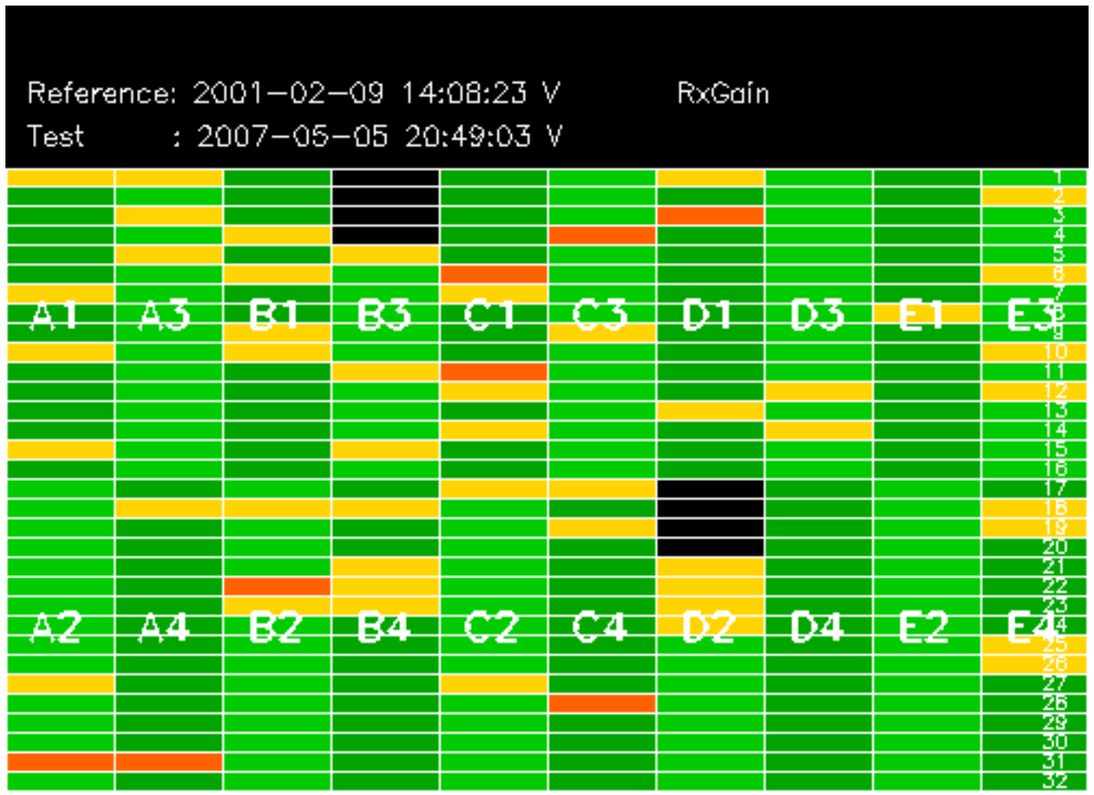
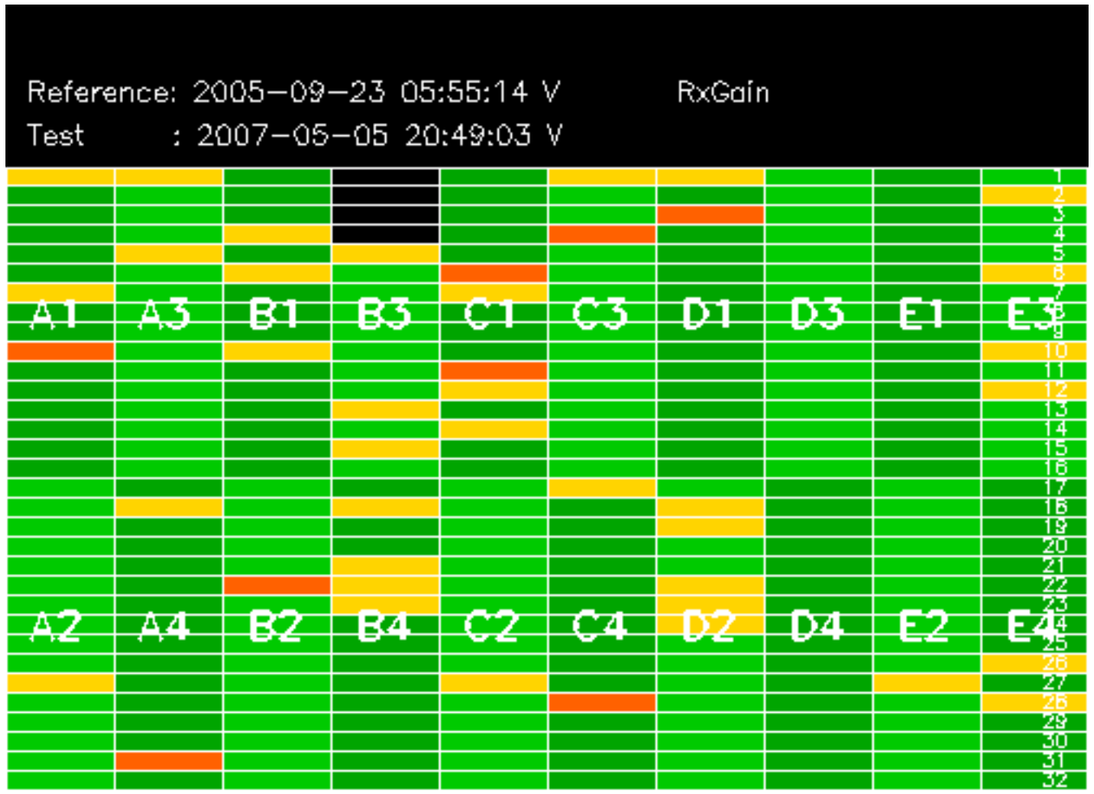
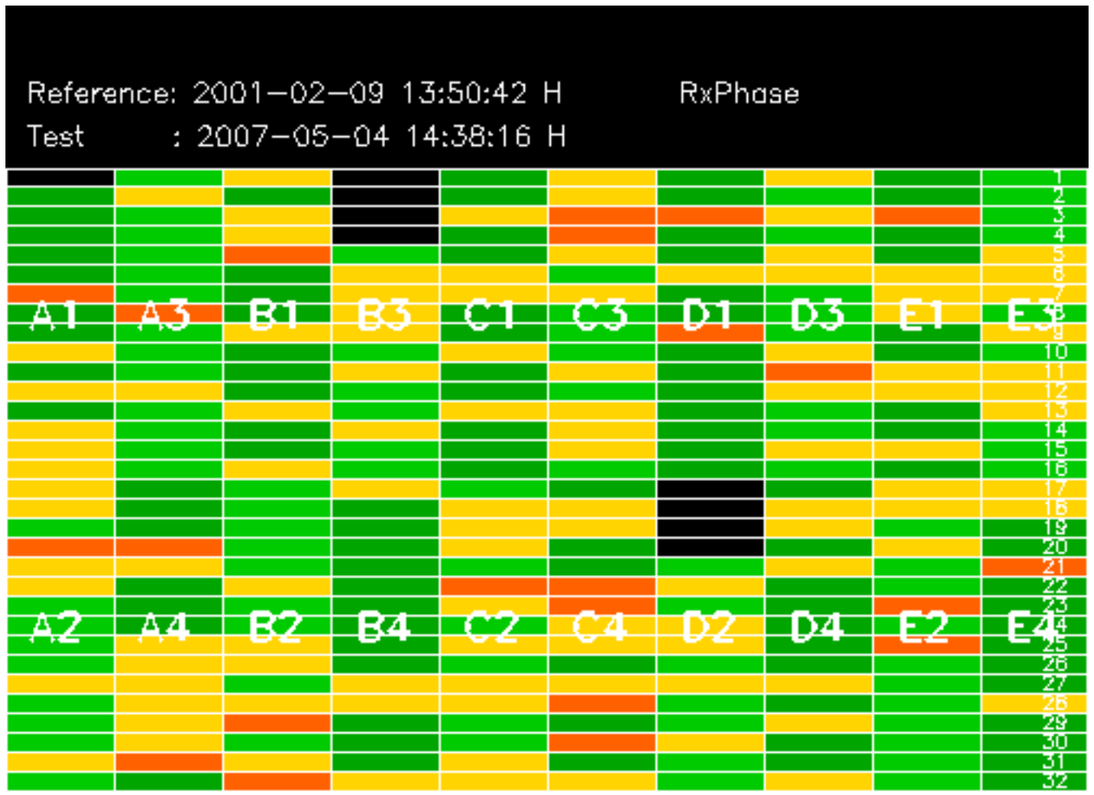

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-05 20:49:03 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-05 20:49:03 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 : 2007-05-04 14:38:16 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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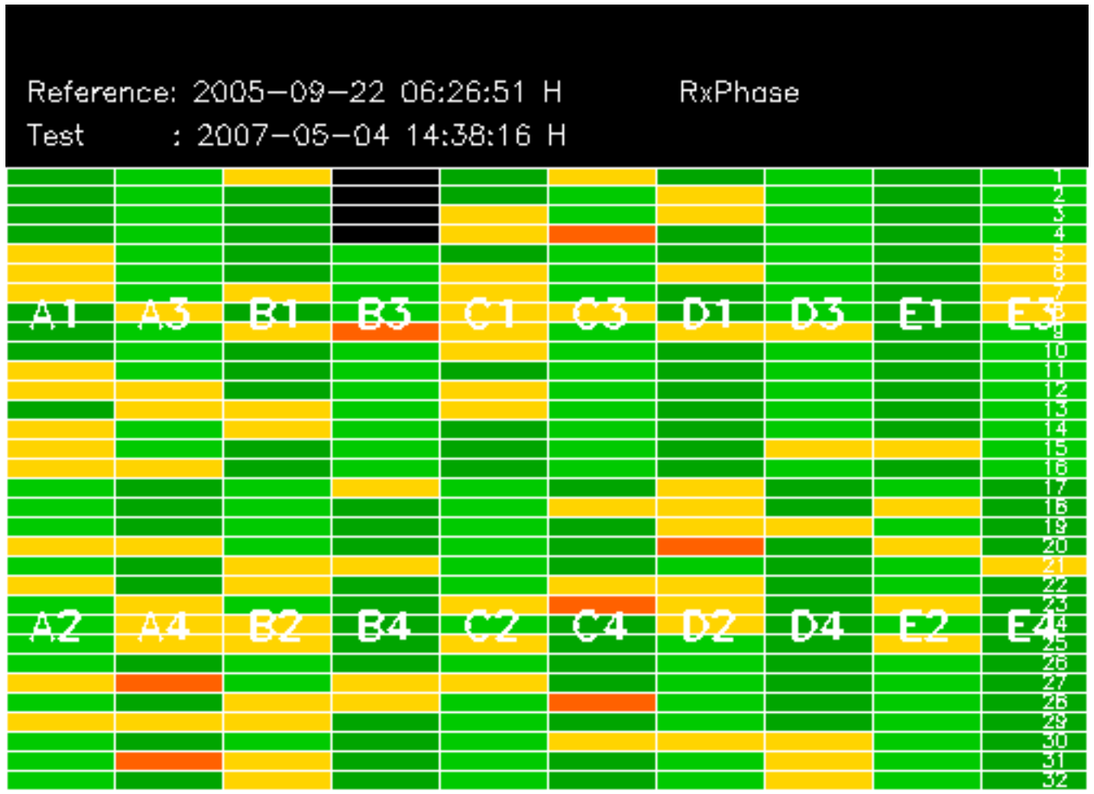
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-05-04 14:38:16 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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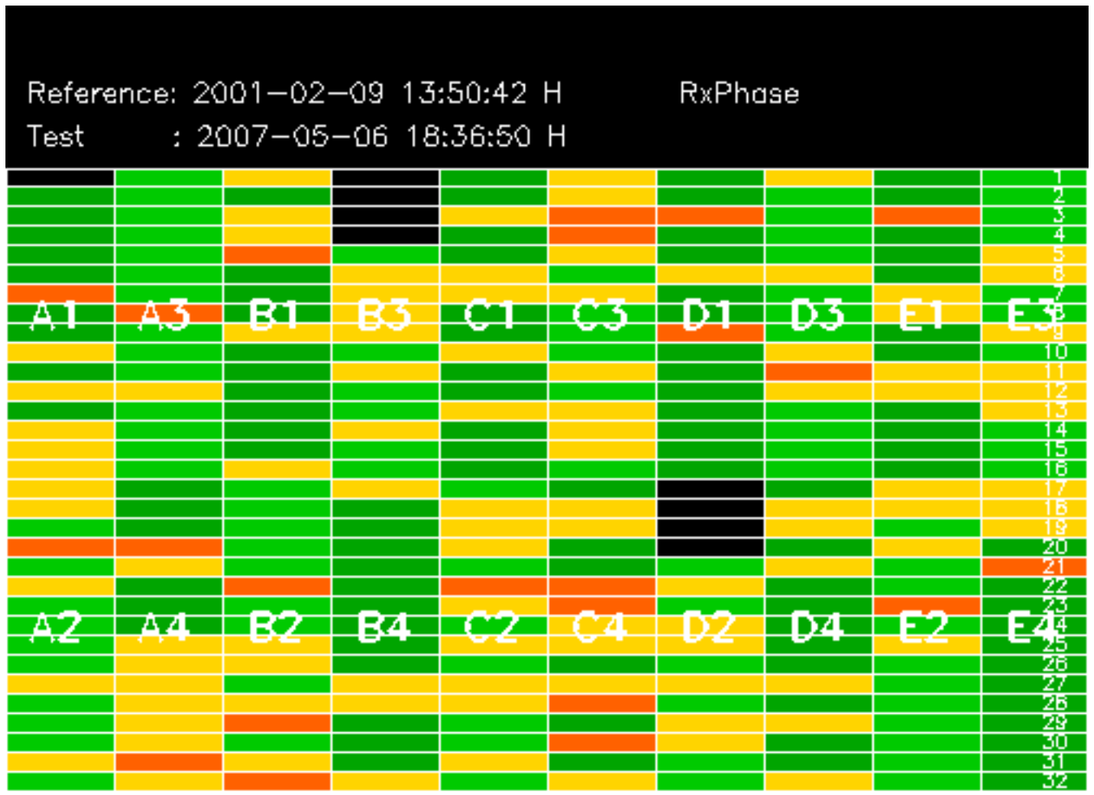
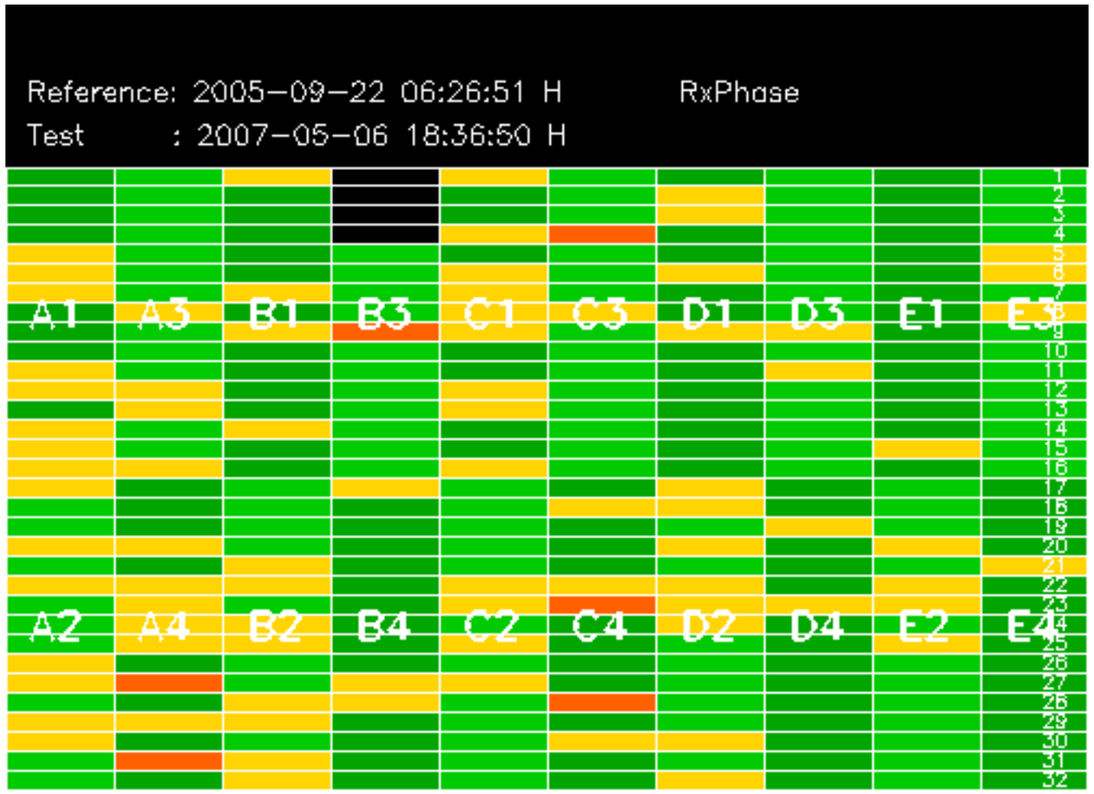

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-05-06 18:36:50 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-05-06 18:36:50 H
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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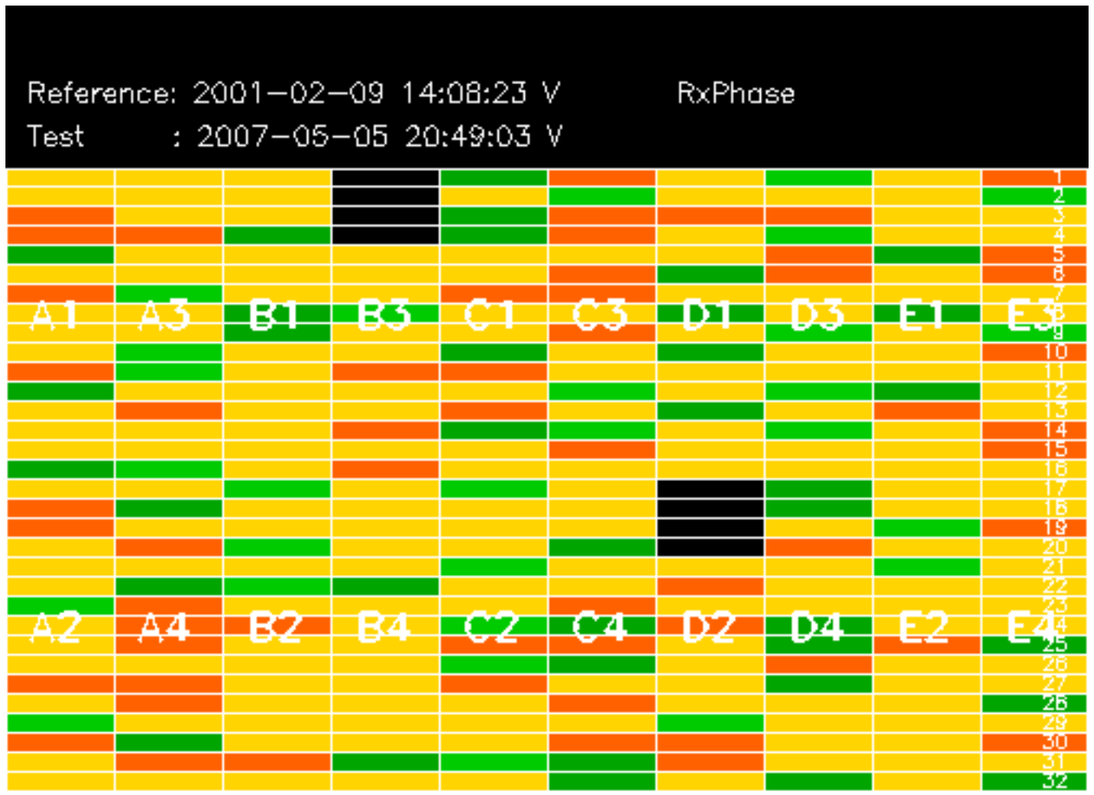
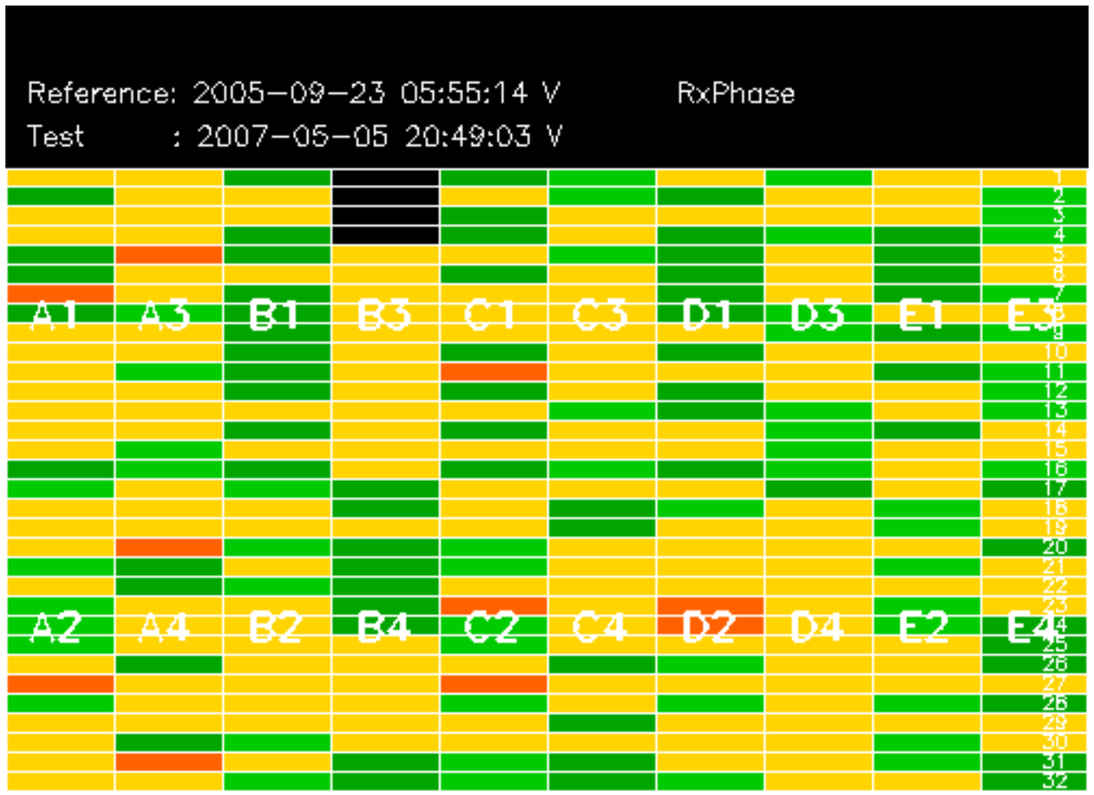
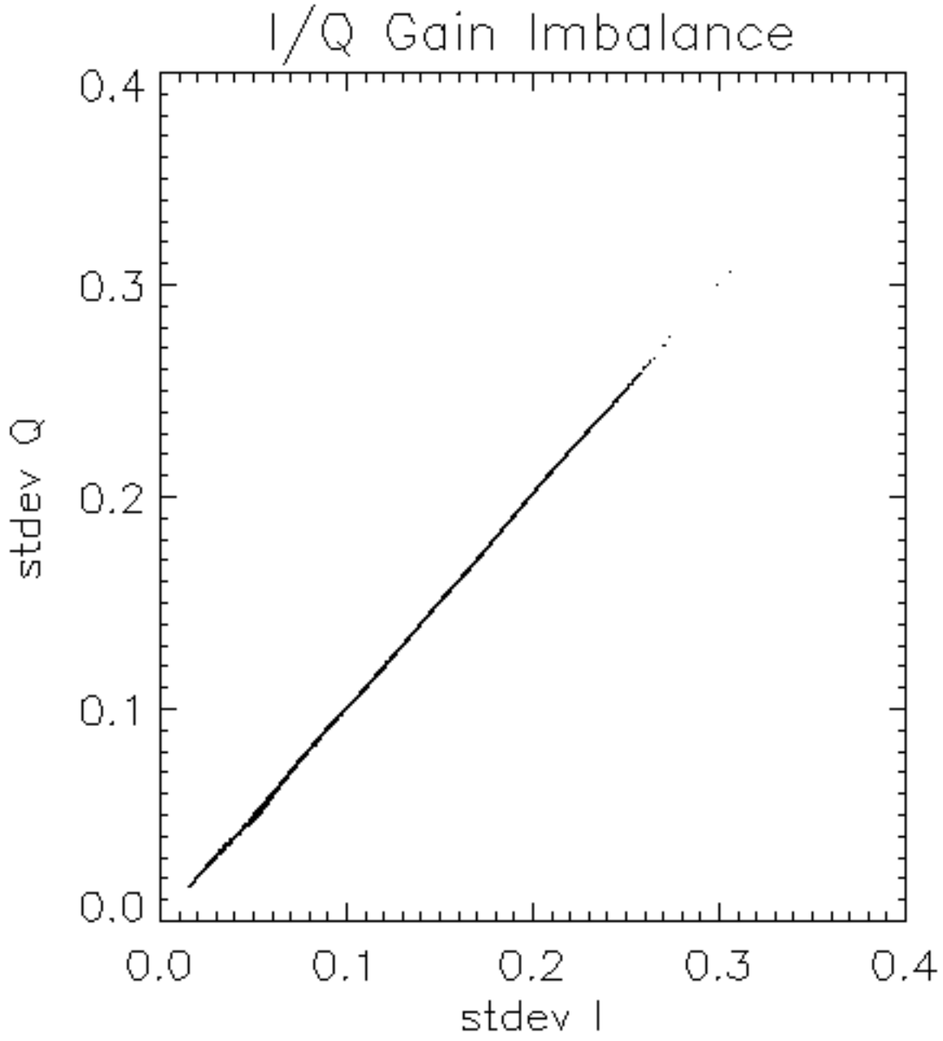
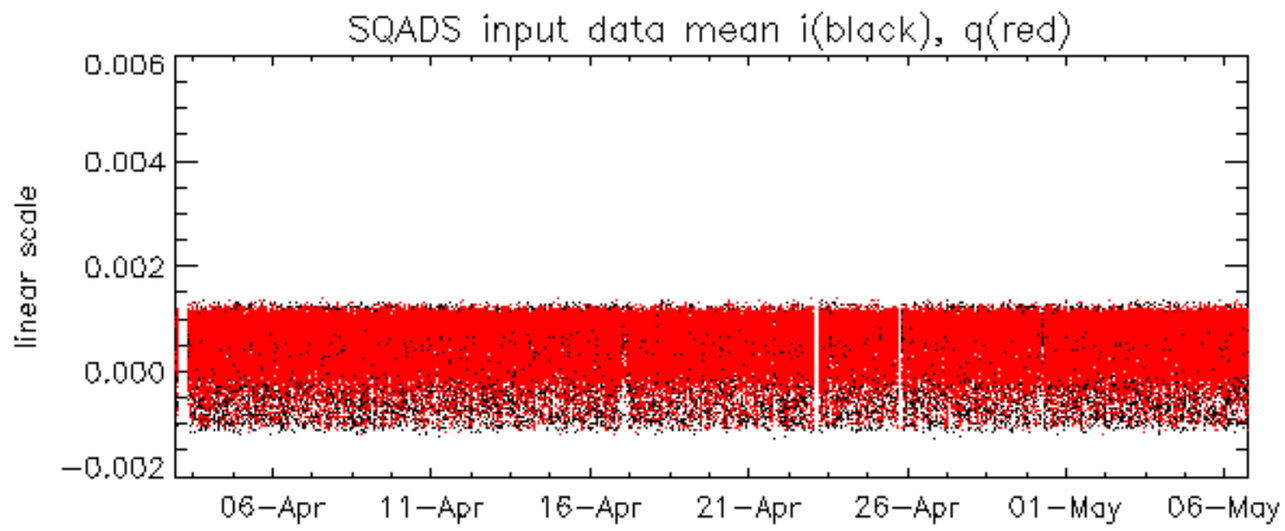
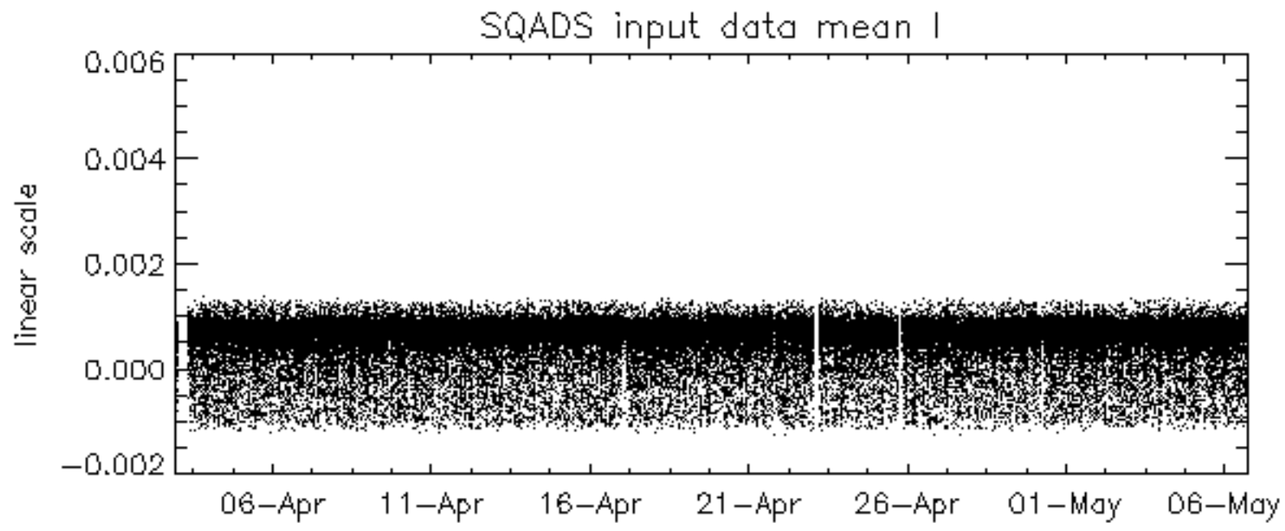
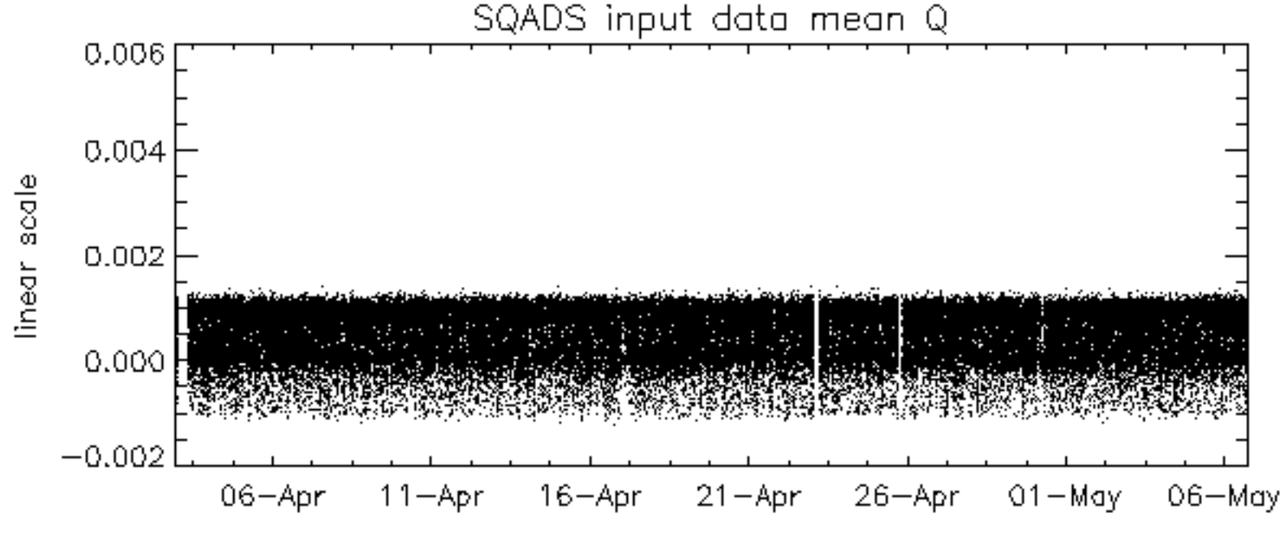

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-05 20:49:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

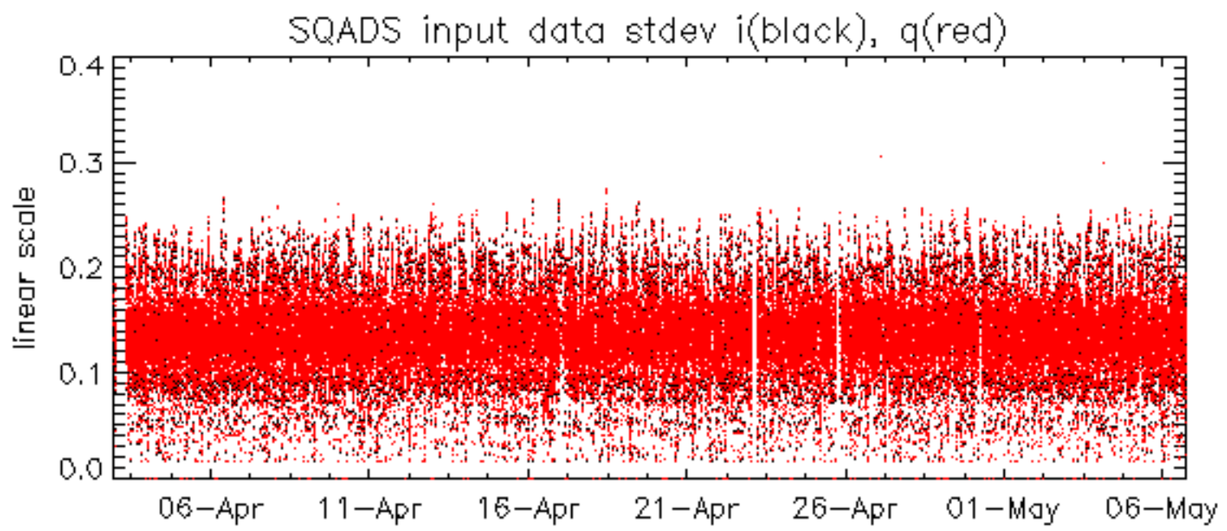

Reference: 2005-09-23 05:55:14 V
Test : 2007-05-05 20:49:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

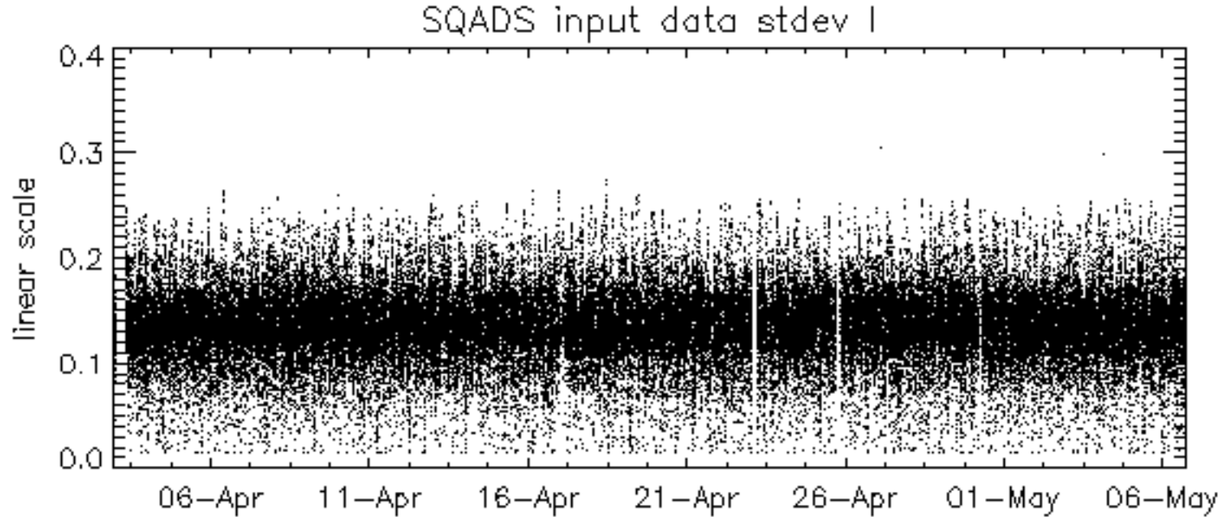

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

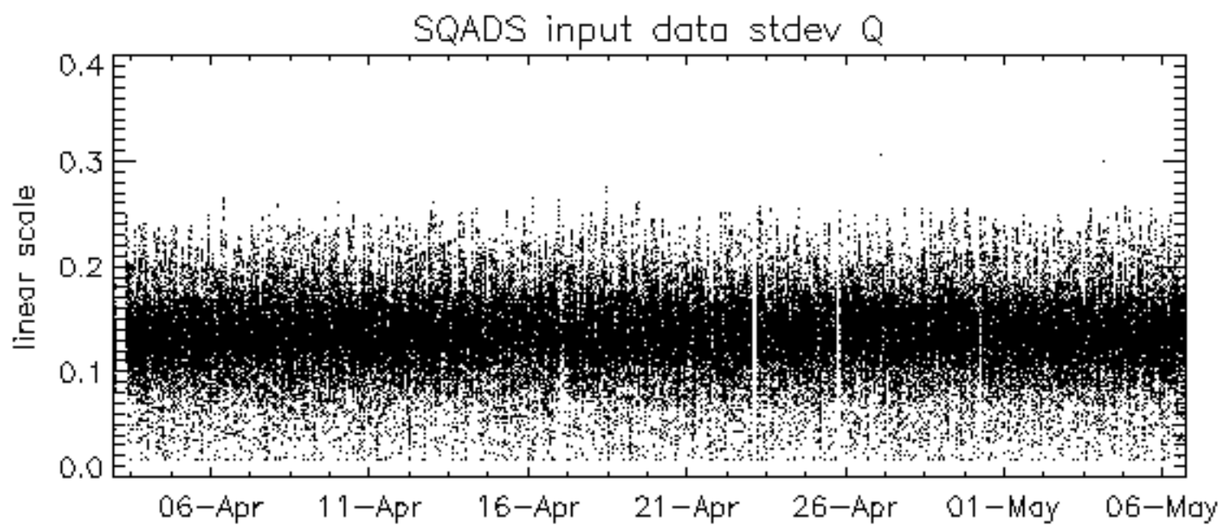

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May

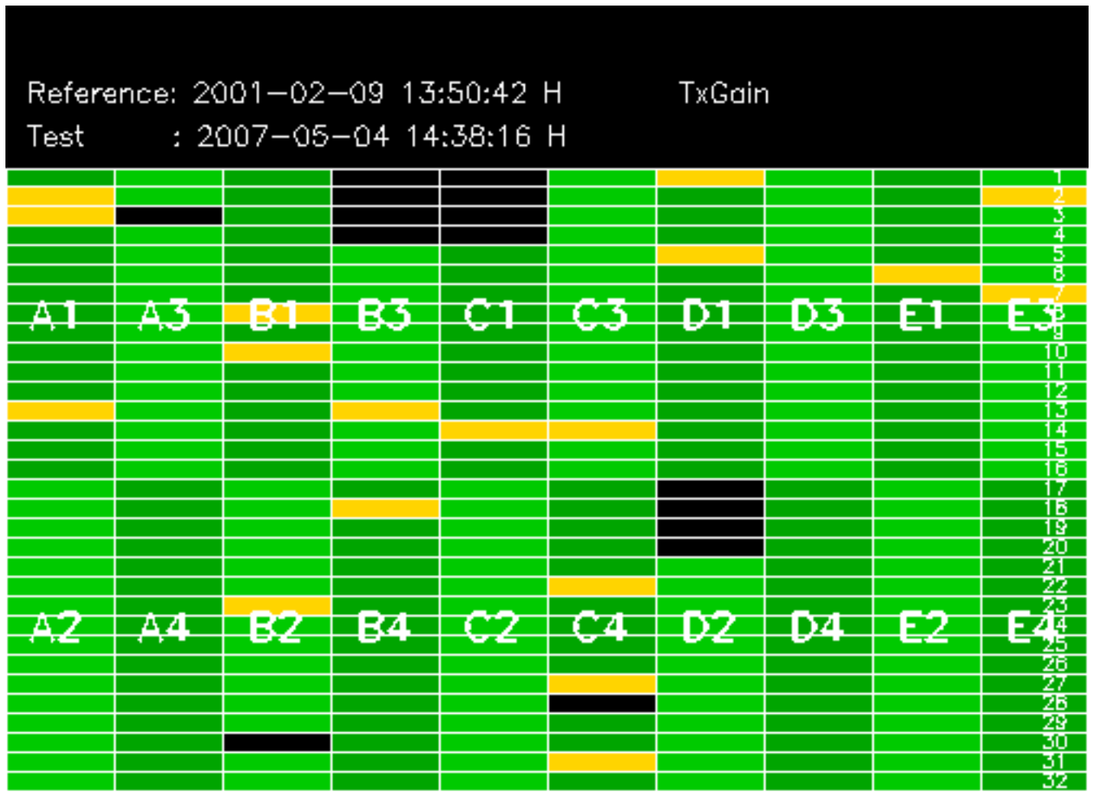

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May

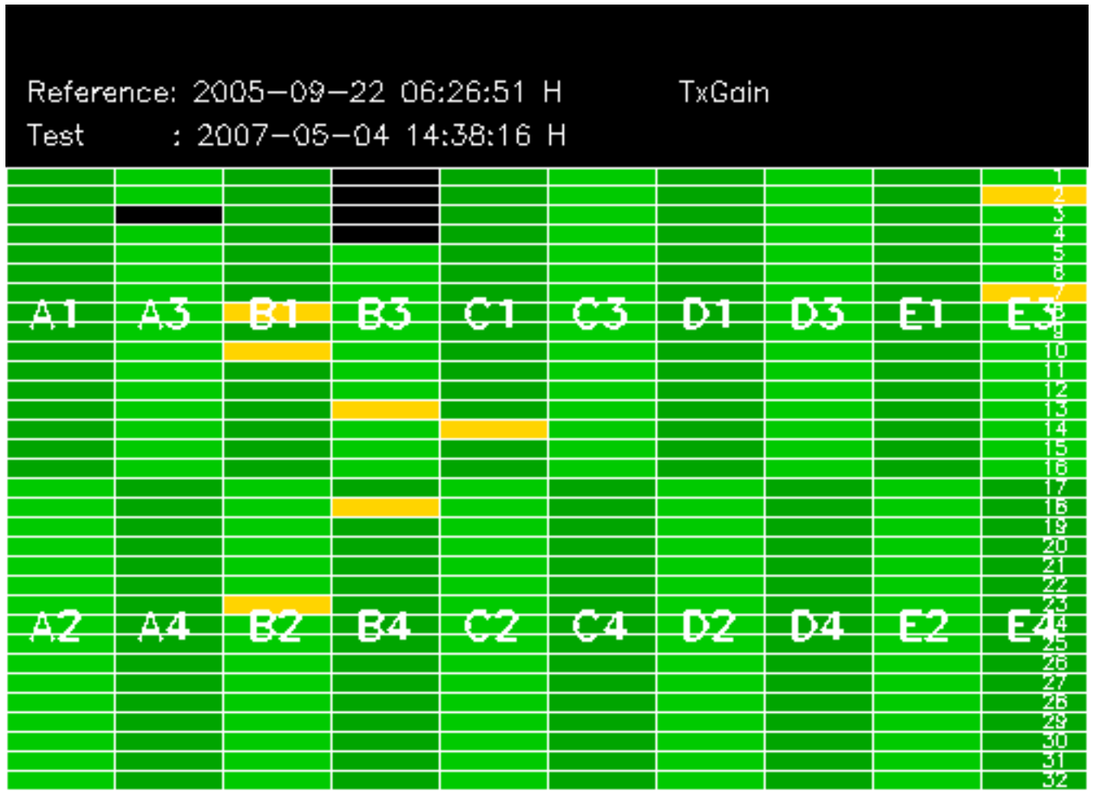

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06-Apr
11-Apr
16-Apr
21-Apr
26-Apr
01-May
06-May


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06-Apr
11-Apr
16-Apr
21-Apr
26-Apr
01-May
06-May


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06-Apr
11-Apr
16-Apr
21-Apr
26-Apr
01-May
06-May


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-04 14:38:16 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 : 2007-05-04 14:38:16 H
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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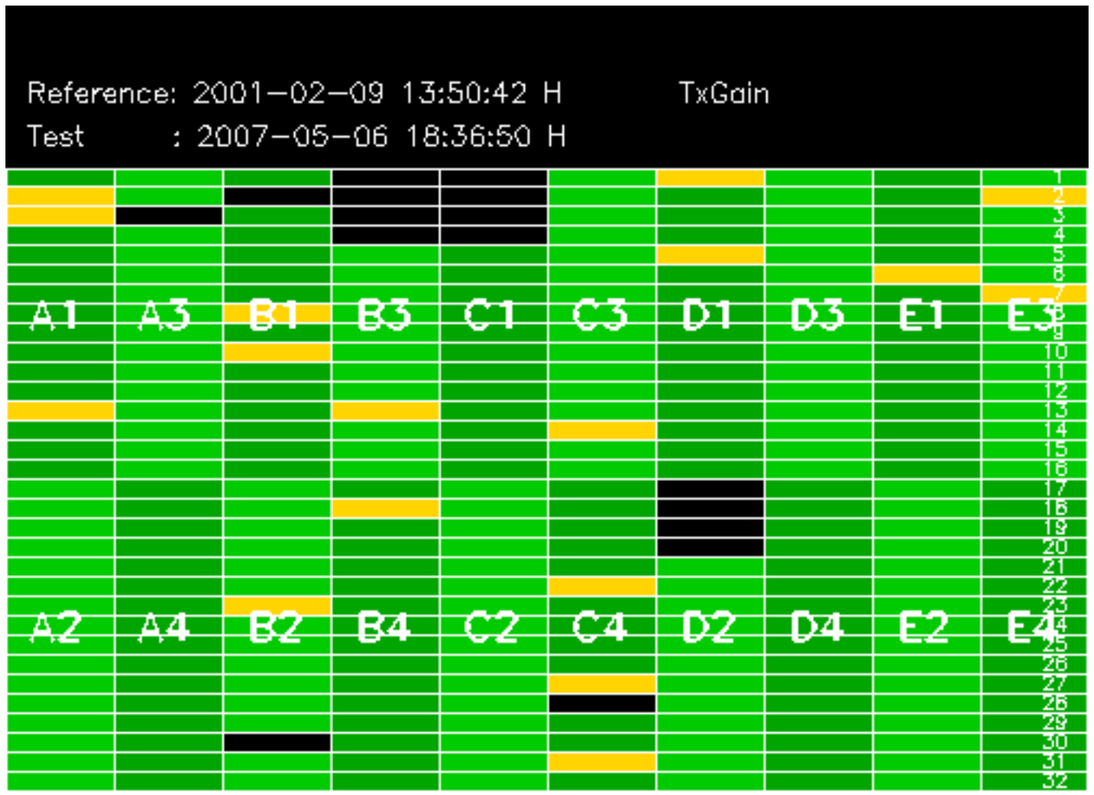
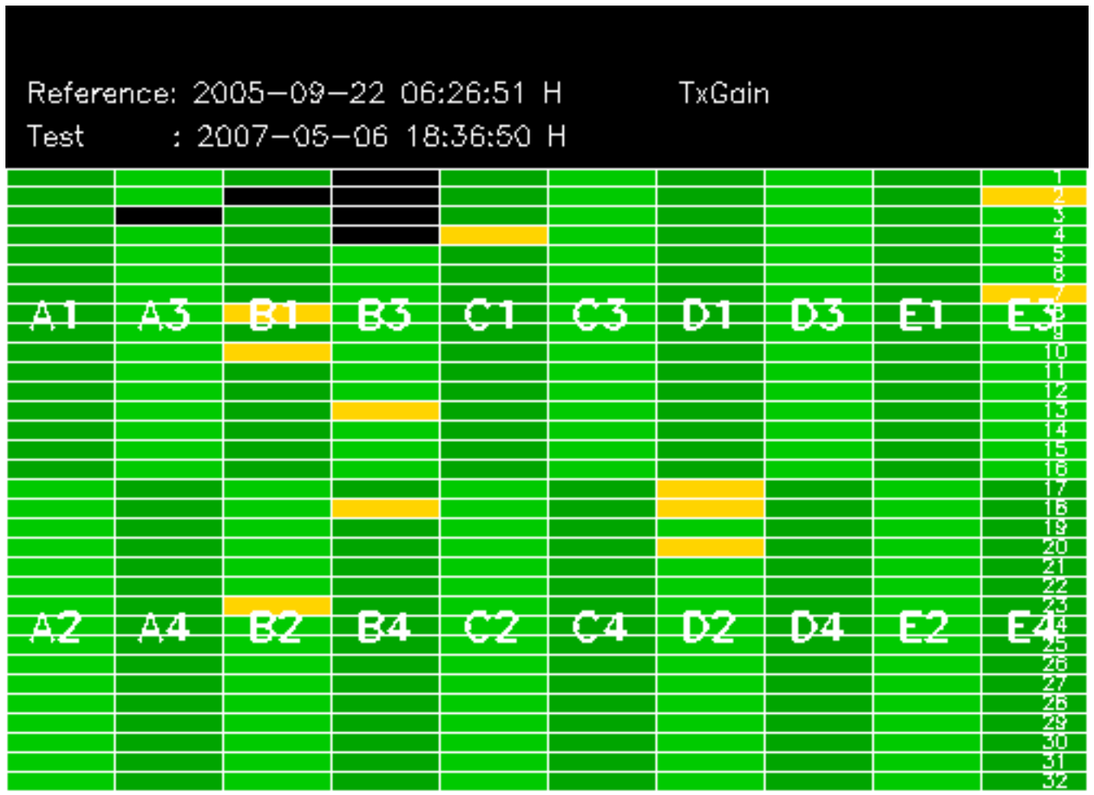

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-06 18:36:50 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-05-06 18:36:50 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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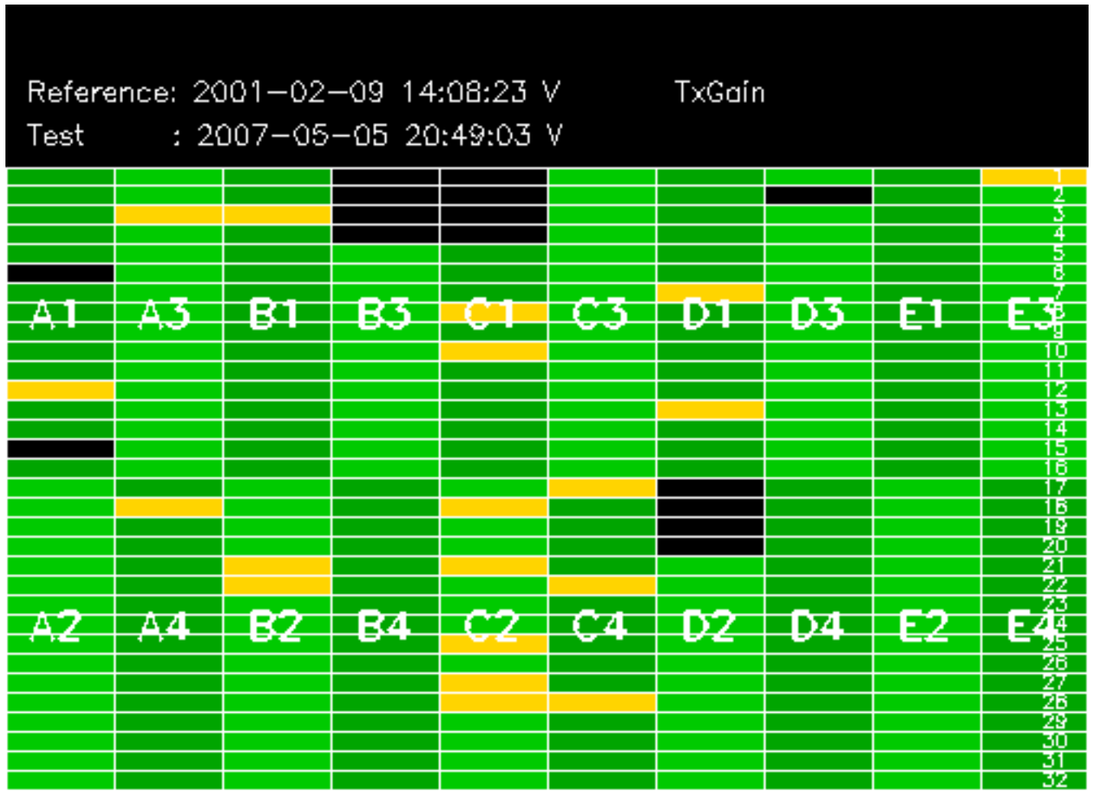
Reference: 2001-02-09 14:08:23 V
Test : 2007-05-05 20:49:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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C4
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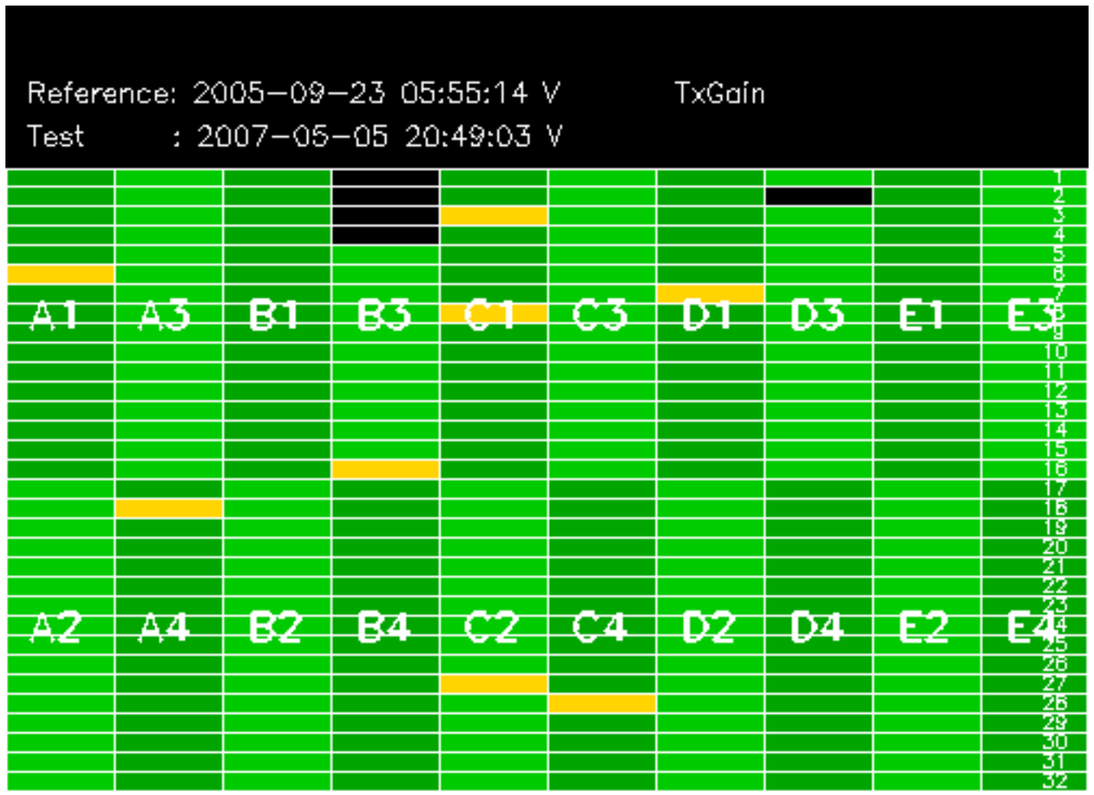
Reference: 2005-09-23 05:55:14 V
Test : 2007-05-05 20:49:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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Summary of analysis for the last 3 days 2007050[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields 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_IMM_1PNPDK20070504_083350_000000612057_00451_27058_4312.N1 </td> <td>0 </td> <td>26 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070504_103913_000001632057_00452_27059_6905.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070504_103940_000001322057_00452_27059_4839.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070504_140155_000001502057_00454_27061_5837.N1 </td> <td>0 </td> <td>14 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070504_141822_000001632057_00454_27061_5839.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070504_144335_000006462057_00454_27061_5971.N1 </td> <td>0 </td> <td>23 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070504_023250_000000852057_00447_27054_7677.N1 </td> <td>0 </td> <td>27 </td></tr>
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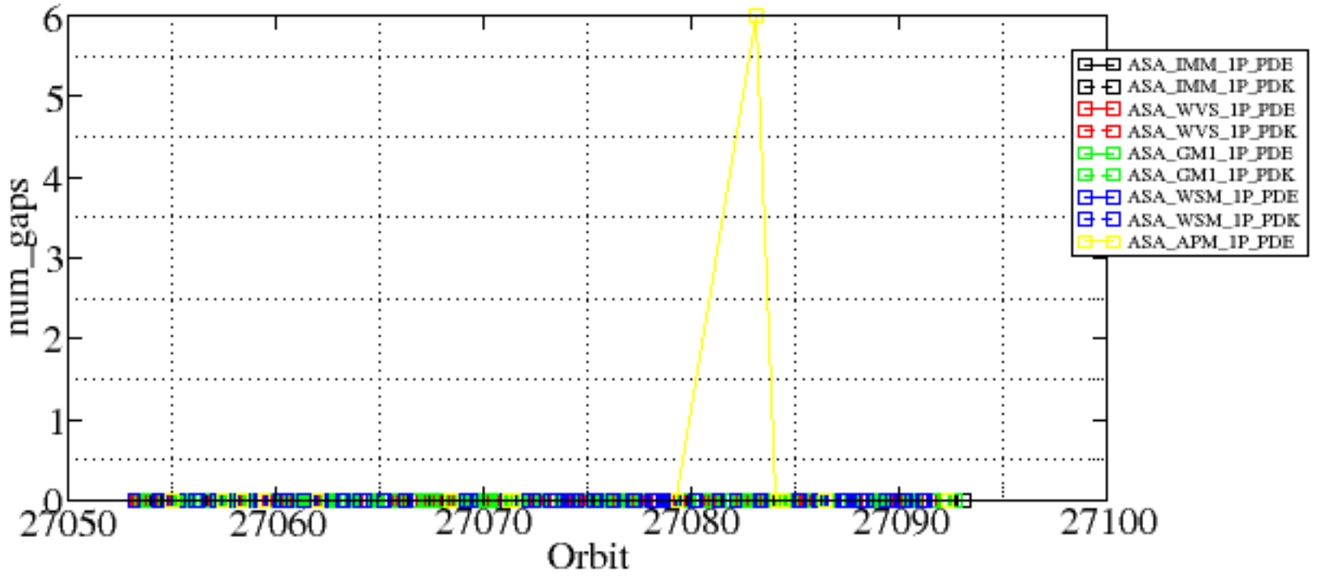
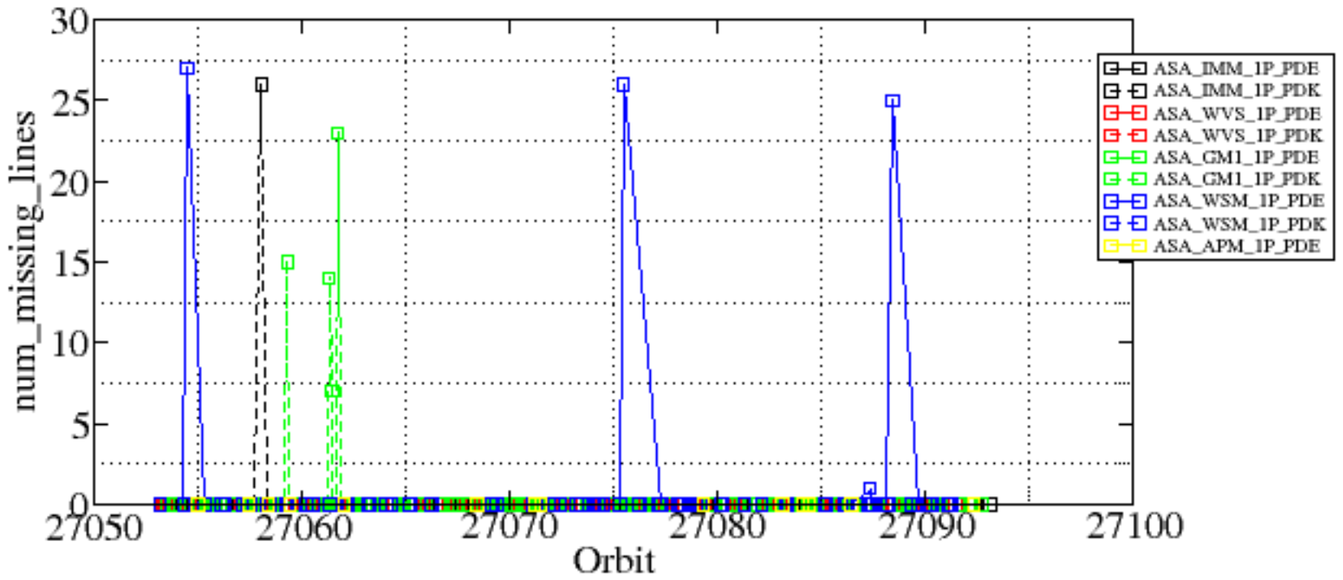
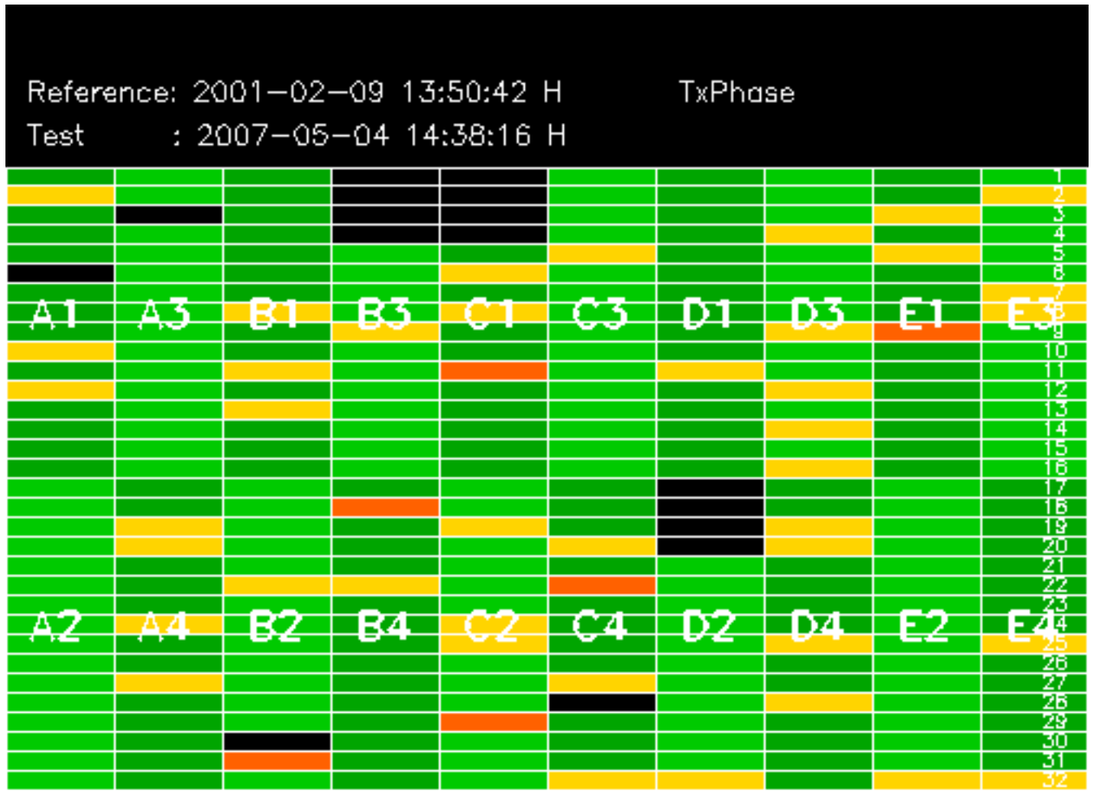
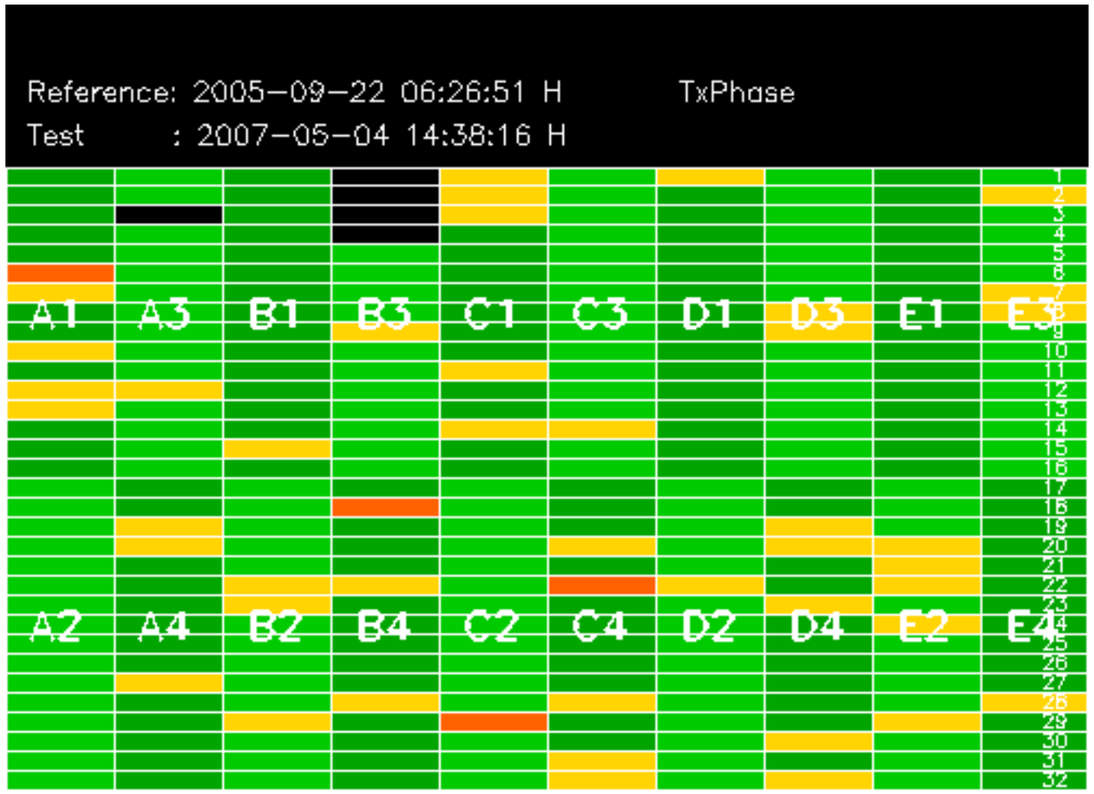
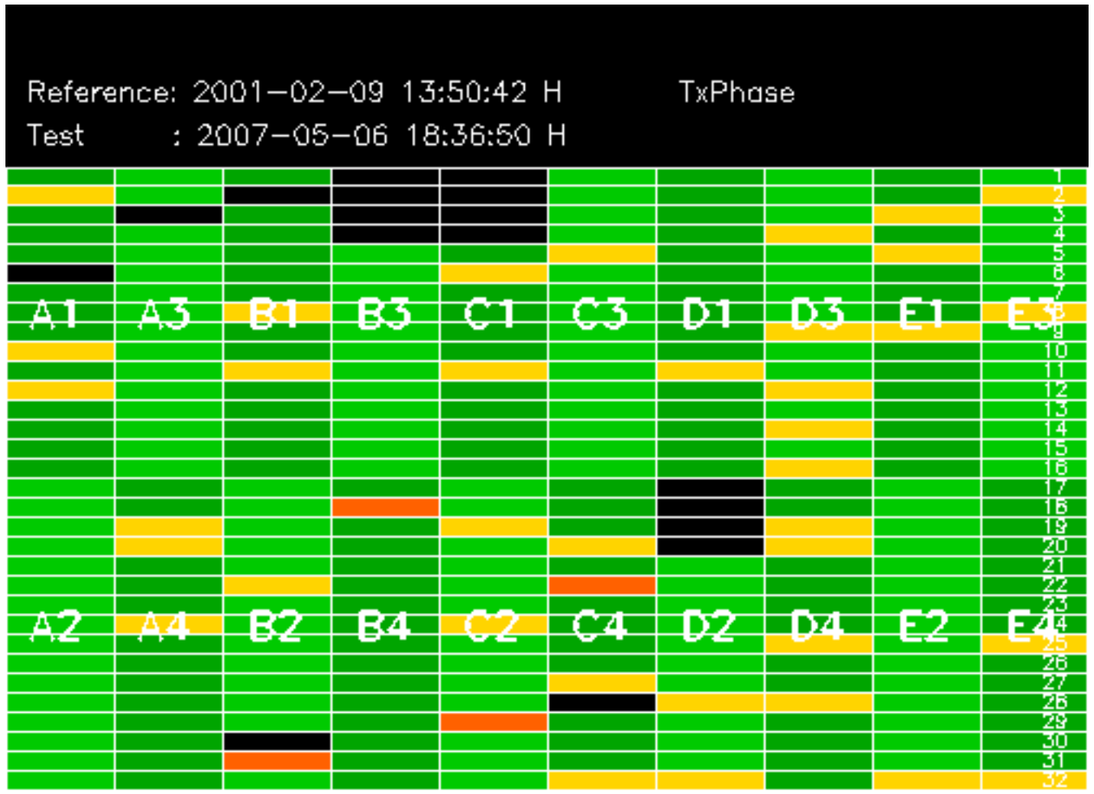
<tr> <td>ASA_WSM_1PNPDE20070506_094328_000000852057_00480_27087_0728.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070506_113212_000001532057_00481_27088_0776.N1 </td> <td>0 </td> <td>25 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070506_023611_000000422057_00476_27083_0204.N1 </td> <td>6 </td> <td>0 </td></tr>
</table>

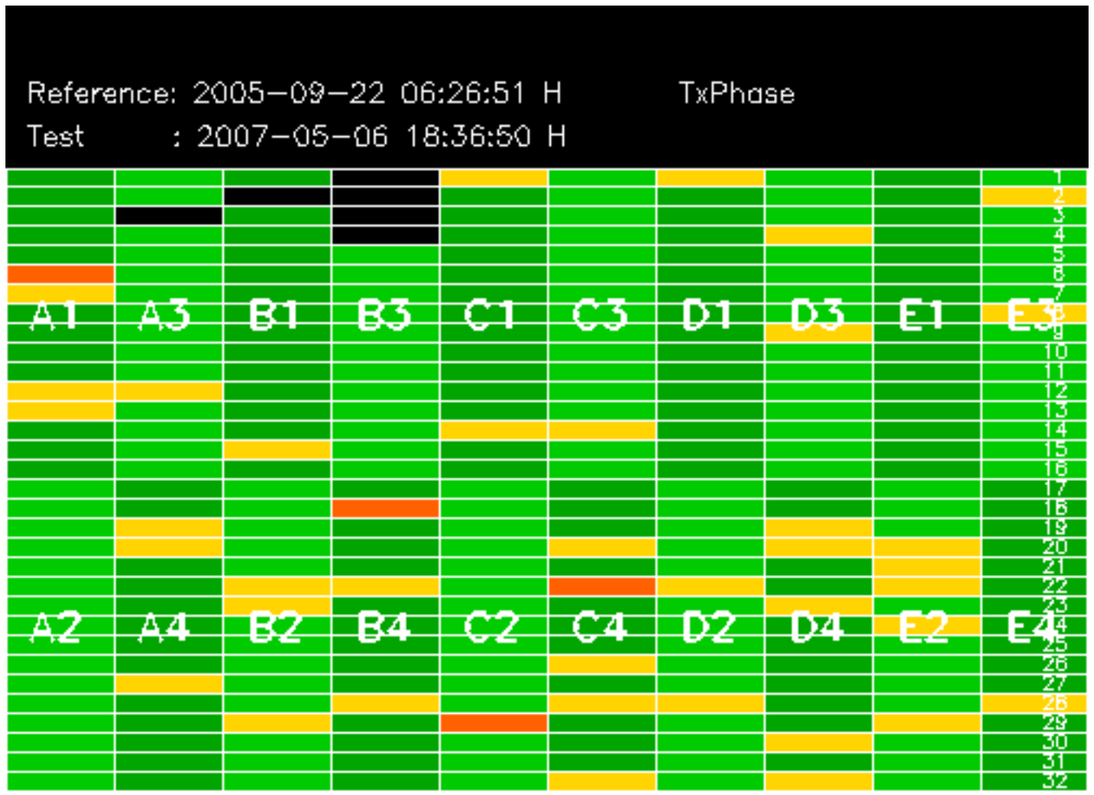

num_gaps
Orbit
0
1
2
3
4
5
6
27050
27060
27070
27080
27090
27100
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE

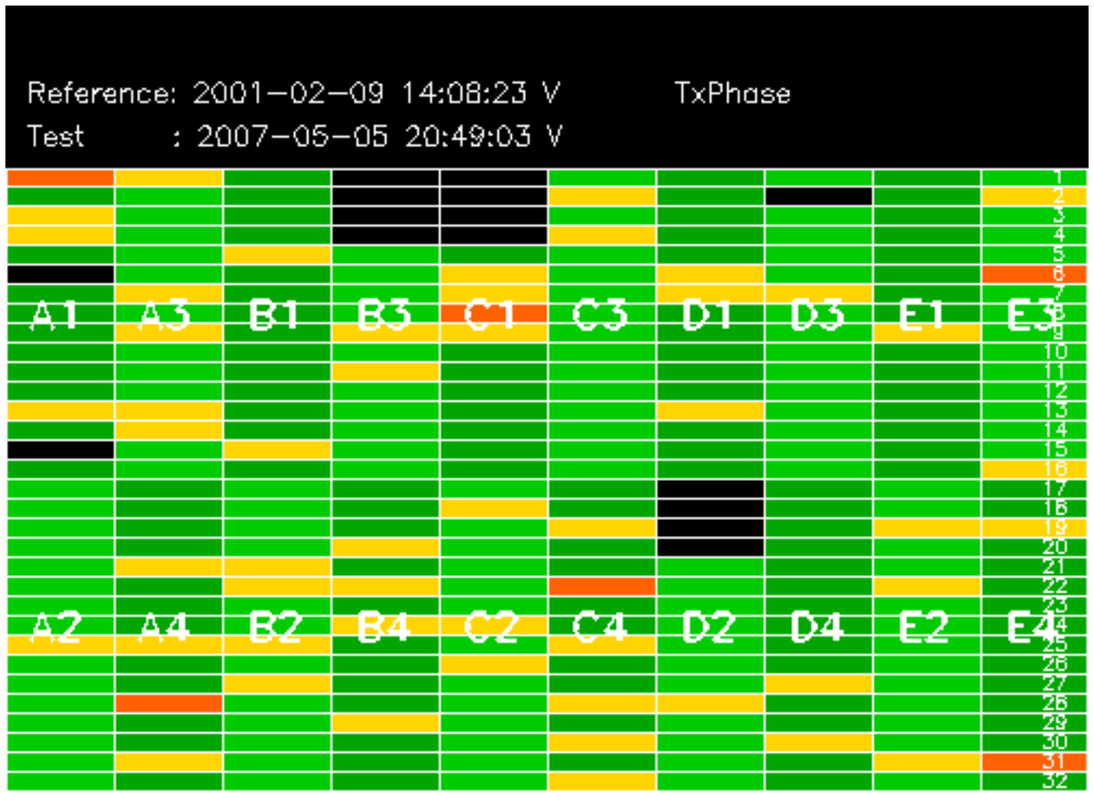

num_missing_lines
Orbit
30
25
20
15
10
5
0
27050
27060
27070
27080
27090
27100
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE

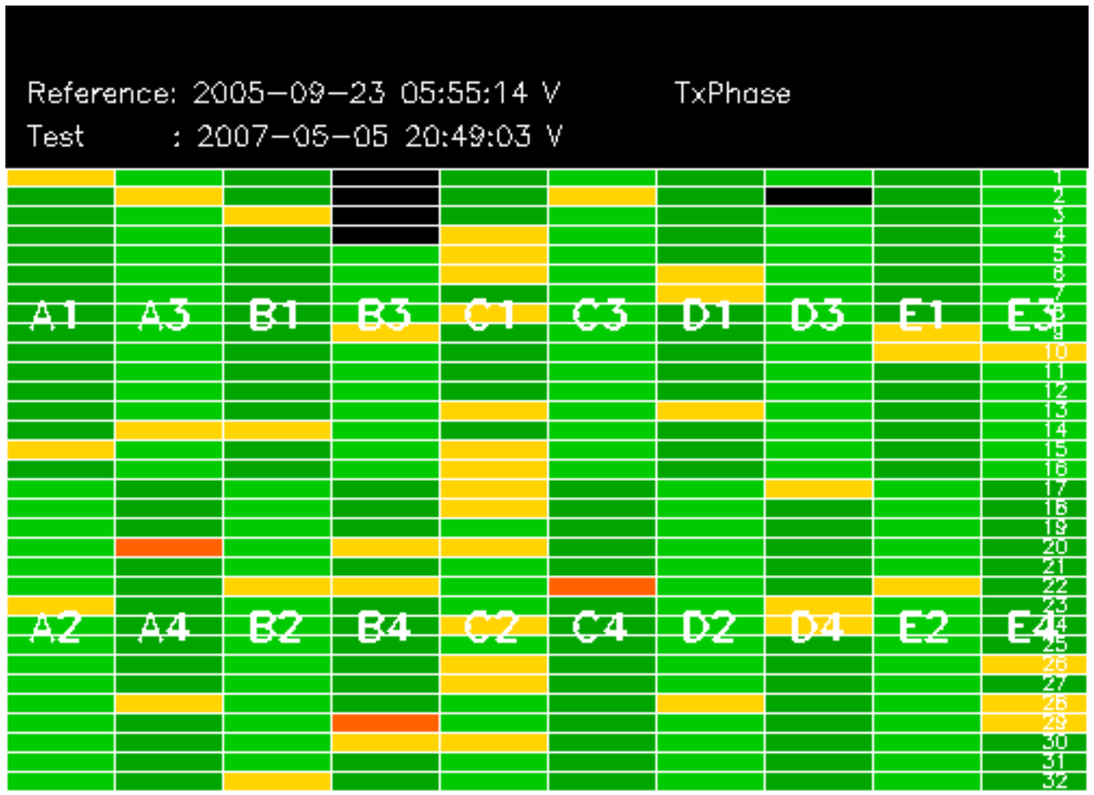

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-04 14:38:16 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

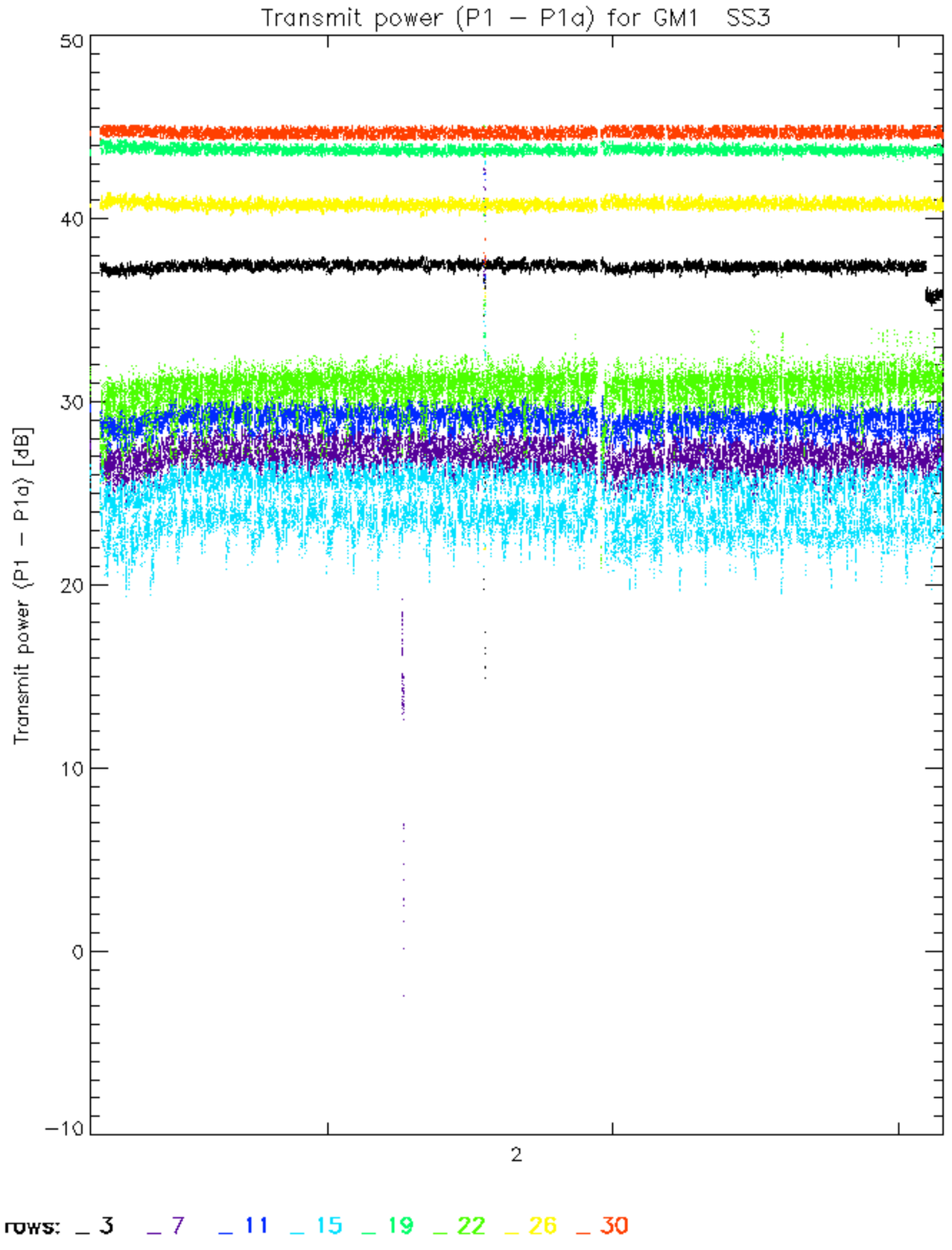

Reference: 2005-09-22 06:26:51 H
Test : 2007-05-04 14:38:16 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

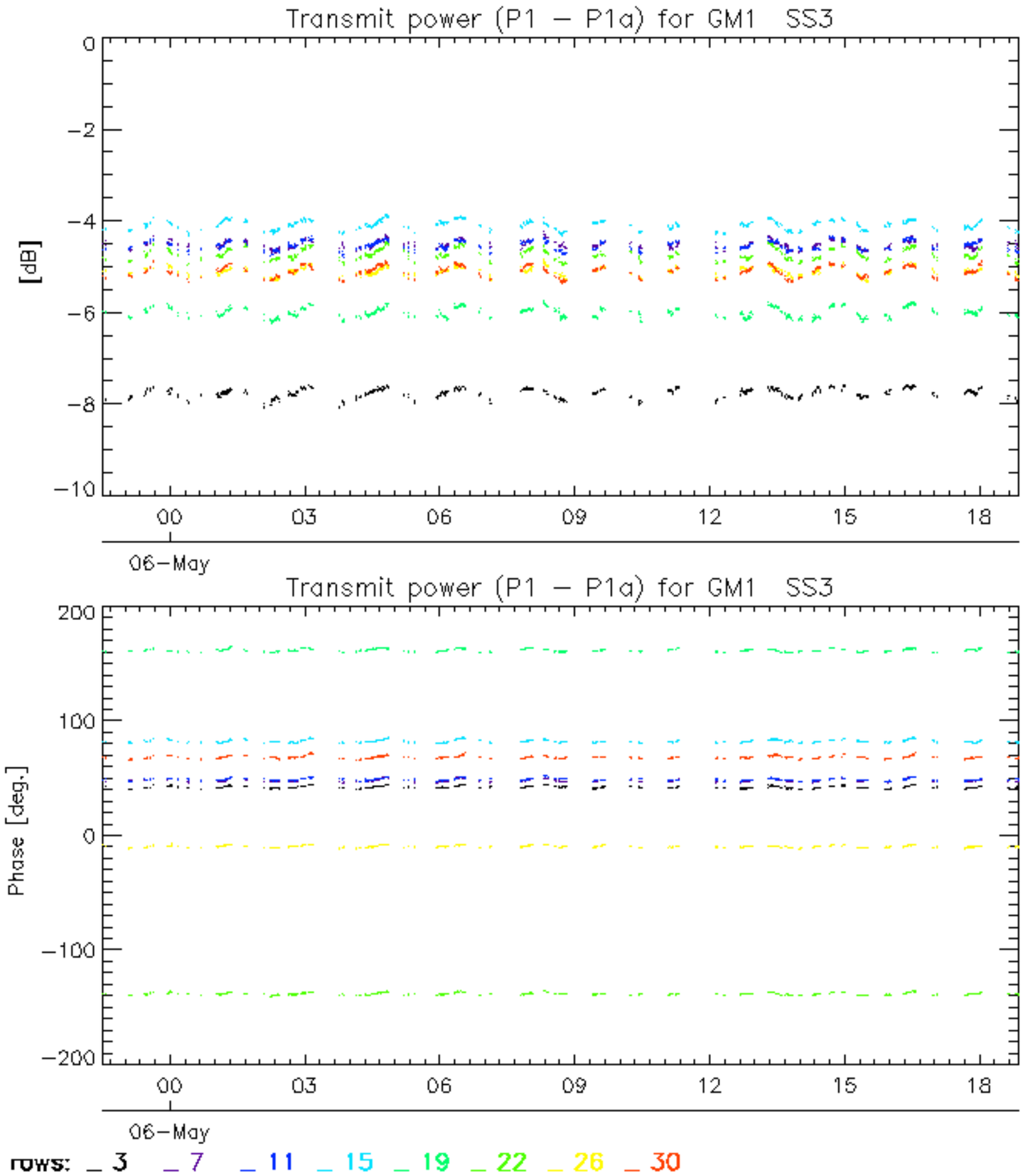

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-06 18:36:50 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

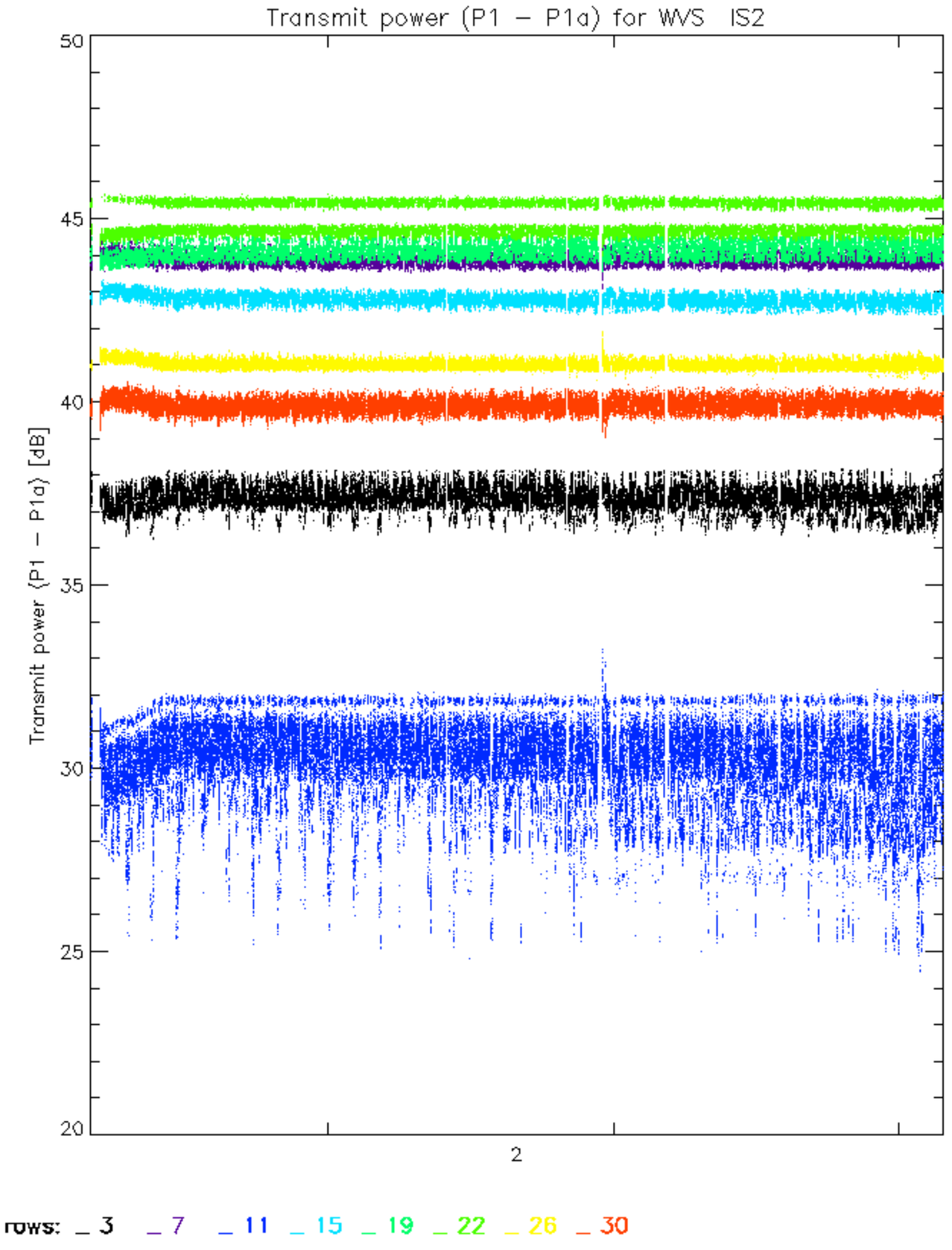

Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-05-06 18:36:50 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

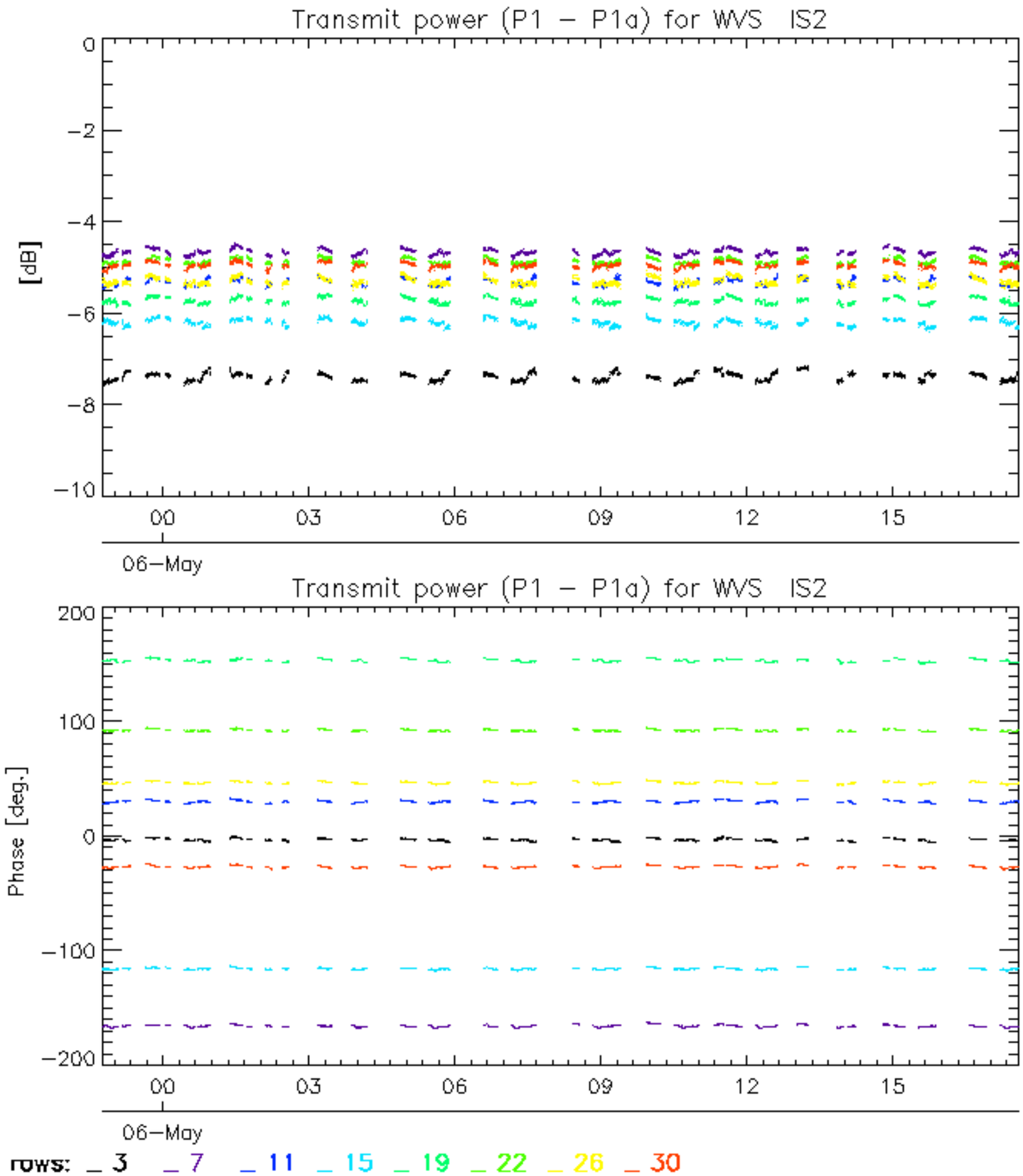

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-05 20:49:03 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-05 20:49:03 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
20
21
22
23
24
25
26
27
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


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


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

No unavailabilities during the reported period.