PRELIMINARY REPORT OF 070508

last update on Tue May 8 23:38:02 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 2007-05-07 00:00:00 to 2007-05-08 23:38:03

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	46	89	15	0	34
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	46	89	15	0	34
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	46	89	15	0	34
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	46	89	15	0	34

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	52	74	36	15	88
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	52	74	36	15	88
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	52	74	36	15	88
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	52	74	36	15	88

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	20070507 180513
H	20070508 173336

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	-15.137810	0.146522	-0.289283
7	P1a	-17.568377	0.094570	-0.092873
11	P1a	-17.576662	0.364103	-0.611081
15	P1a	-13.061879	0.137182	-0.362749
19	P1a	-15.372914	0.071676	-0.262110
22	P1a	-15.947757	0.389286	-0.253384
26	P1a	-14.995625	0.217835	0.275920
30	P1a	-17.800201	0.376745	-0.633271

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.774804	0.010280	-0.041781
7	P1	-3.153154	0.009071	-0.030233
11	P1	-4.206367	0.013503	0.009902
15	P1	-6.428634	0.020346	-0.132557
19	P1	-3.780730	0.011351	0.028472
22	P1	-4.747486	0.009731	-0.002601
26	P1	-3.914308	0.019387	0.046338
30	P1	-5.966585	0.009281	0.011478

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.656406	0.091262	0.017835
7	P2	-21.544973	0.089677	0.104870
11	P2	-15.329787	0.118774	0.175905
15	P2	-7.130631	0.088373	-0.021112
19	P2	-9.121268	0.080672	-0.012546
22	P2	-18.088957	0.077122	-0.004442
26	P2	-16.631716	0.082149	-0.079634
30	P2	-19.270876	0.082155	0.050165

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245648	0.005117	-0.004466

7	P3	-8.245648	0.005117	-0.004466
11	P3	-8.245648	0.005117	-0.004466
15	P3	-8.245648	0.005117	-0.004466
19	P3	-8.245648	0.005117	-0.004466
22	P3	-8.245648	0.005117	-0.004466
26	P3	-8.245648	0.005117	-0.004466
30	P3	-8.245648	0.005117	-0.004466

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	-11.261007	0.135646	-0.342866
7	P1a	-10.045744	0.167564	0.090639
11	P1a	-10.684401	0.087130	0.022232
15	P1a	-10.816194	0.156169	0.141090
19	P1a	-15.821187	0.087006	-0.113702
22	P1a	-21.413628	1.459994	-0.297666
26	P1a	-15.520934	0.361415	-0.137908
30	P1a	-18.307404	0.449510	0.079254

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.365896	0.134926	0.474060
7	P1	-2.397371	0.086130	0.075012
11	P1	-2.881903	0.022452	0.050445
15	P1	-3.811315	0.035457	0.046663
19	P1	-3.592846	0.014555	-0.032326
22	P1	-4.962358	0.023180	0.067536
26	P1	-6.043911	0.024452	-0.048578
30	P1	-5.343349	0.031530	-0.039152

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.185911	0.065355	-0.056524
7	P2	-22.048075	0.168902	-0.037831
11	P2	-10.642432	0.043611	-0.042524
15	P2	-4.931211	0.041395	-0.065391
19	P2	-6.872582	0.039696	-0.017248
22	P2	-8.108514	0.079170	0.018439
26	P2	-24.327827	0.129431	-0.025235
30	P2	-21.707729	0.101516	0.041635

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.091016	0.004920	0.001784
7	P3	-8.090973	0.004926	0.001714
11	P3	-8.090854	0.004921	0.001534
15	P3	-8.090782	0.004924	0.001517
19	P3	-8.090899	0.004942	0.001815
22	P3	-8.090753	0.004916	0.001955
26	P3	-8.090895	0.004924	0.001701
30	P3	-8.090813	0.004915	0.001583

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

☒

4.3.2 - Evolution for GM1

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000547237
	stdev	1.96846e-07
MEAN Q	mean	0.000500504
	stdev	2.41014e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135770
	stdev	0.00120670
STDEV Q	mean	0.136158
	stdev	0.00122412

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007050[678]
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_1PNPDK20070507_103322_000006402057_00495_27102_9475.N1	0	28
ASA_WSM_1PNPDE20070506_094328_000000852057_00480_27087_0728.N1	0	1
ASA_WSM_1PNPDE20070506_113212_000001532057_00481_27088_0776.N1	0	25
ASA_WSM_1PNPDE20070507_165905_000000852057_00499_27106_2177.N1	0	72
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

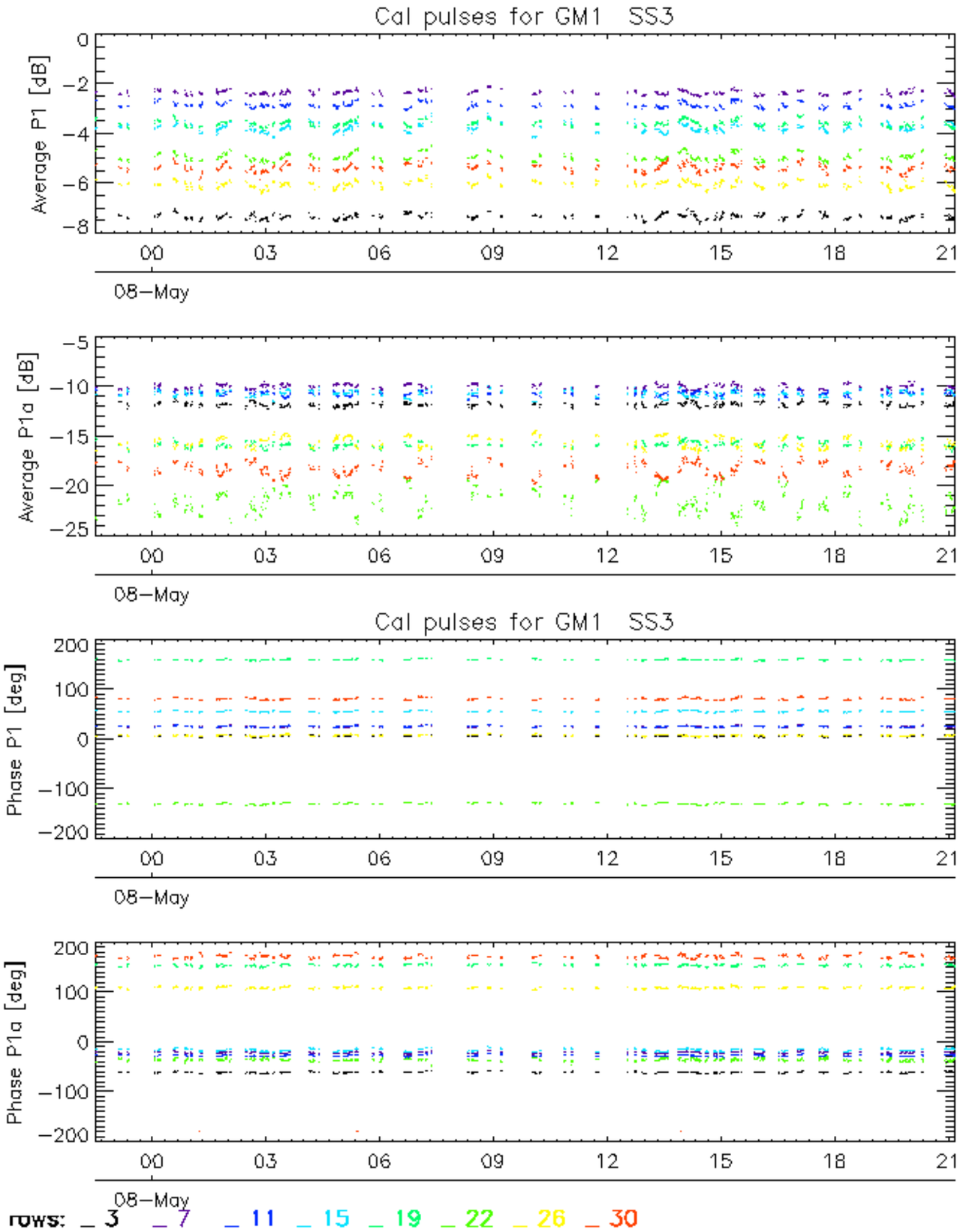

Descending

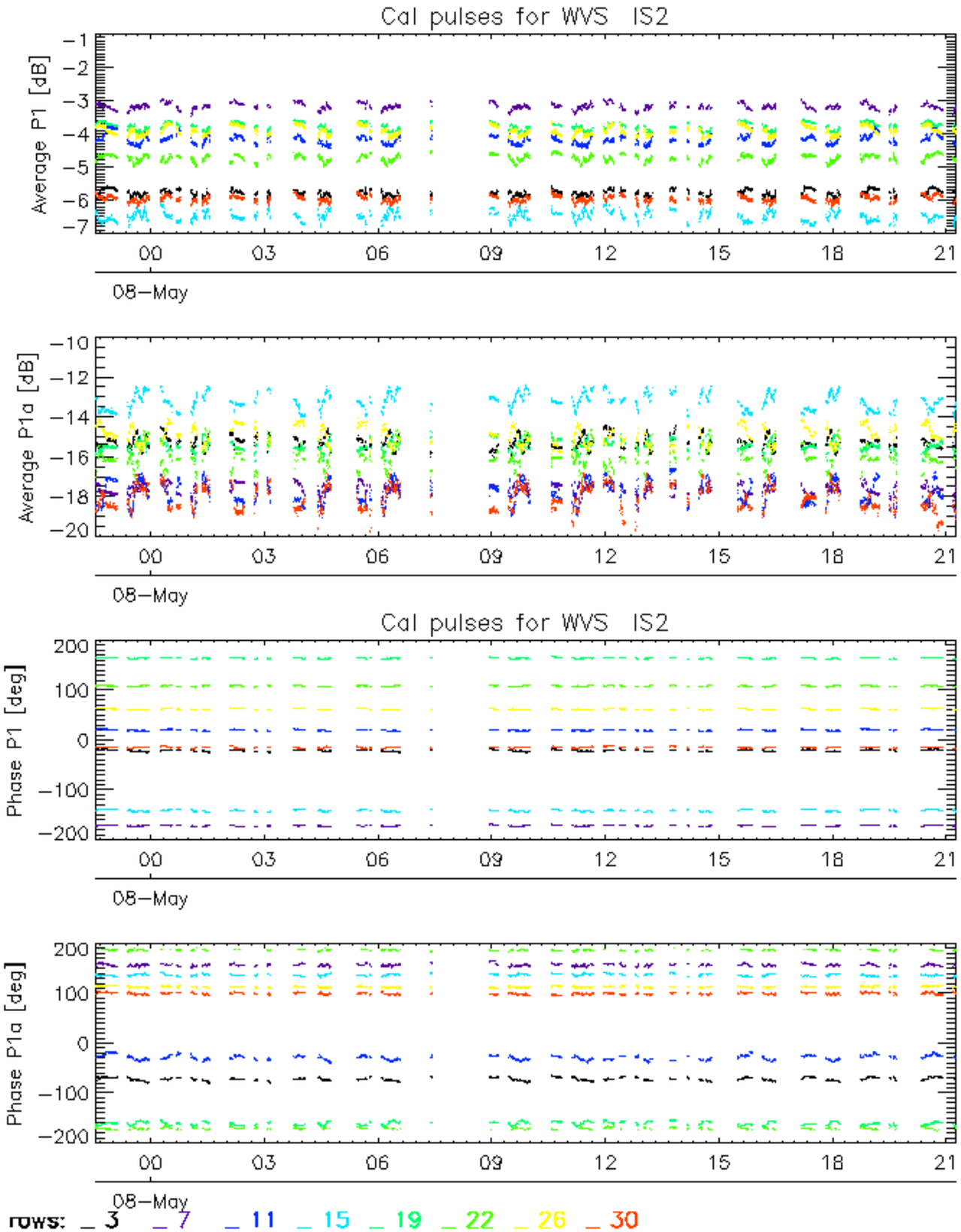
7.5 - Absolute Doppler for GM1

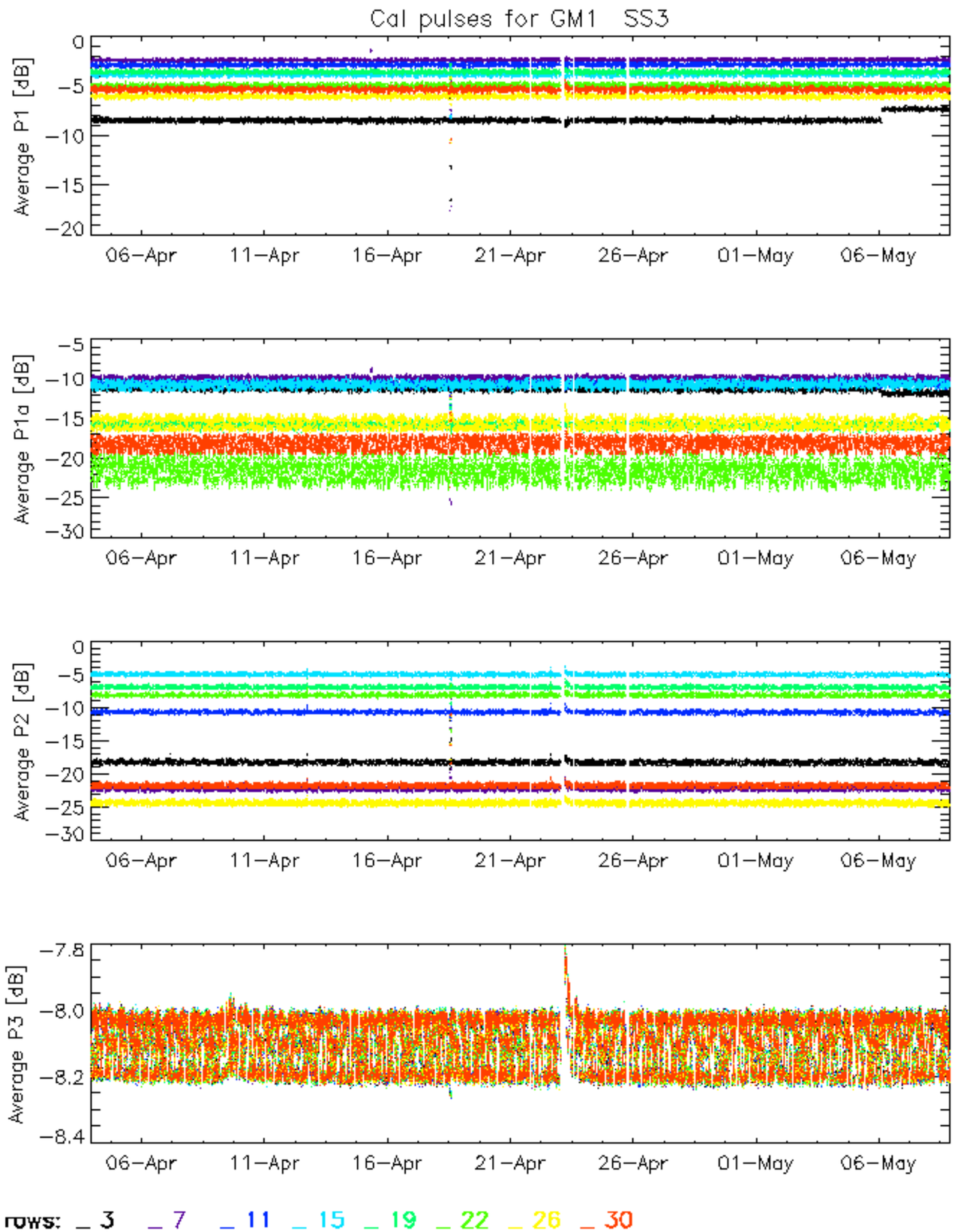
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

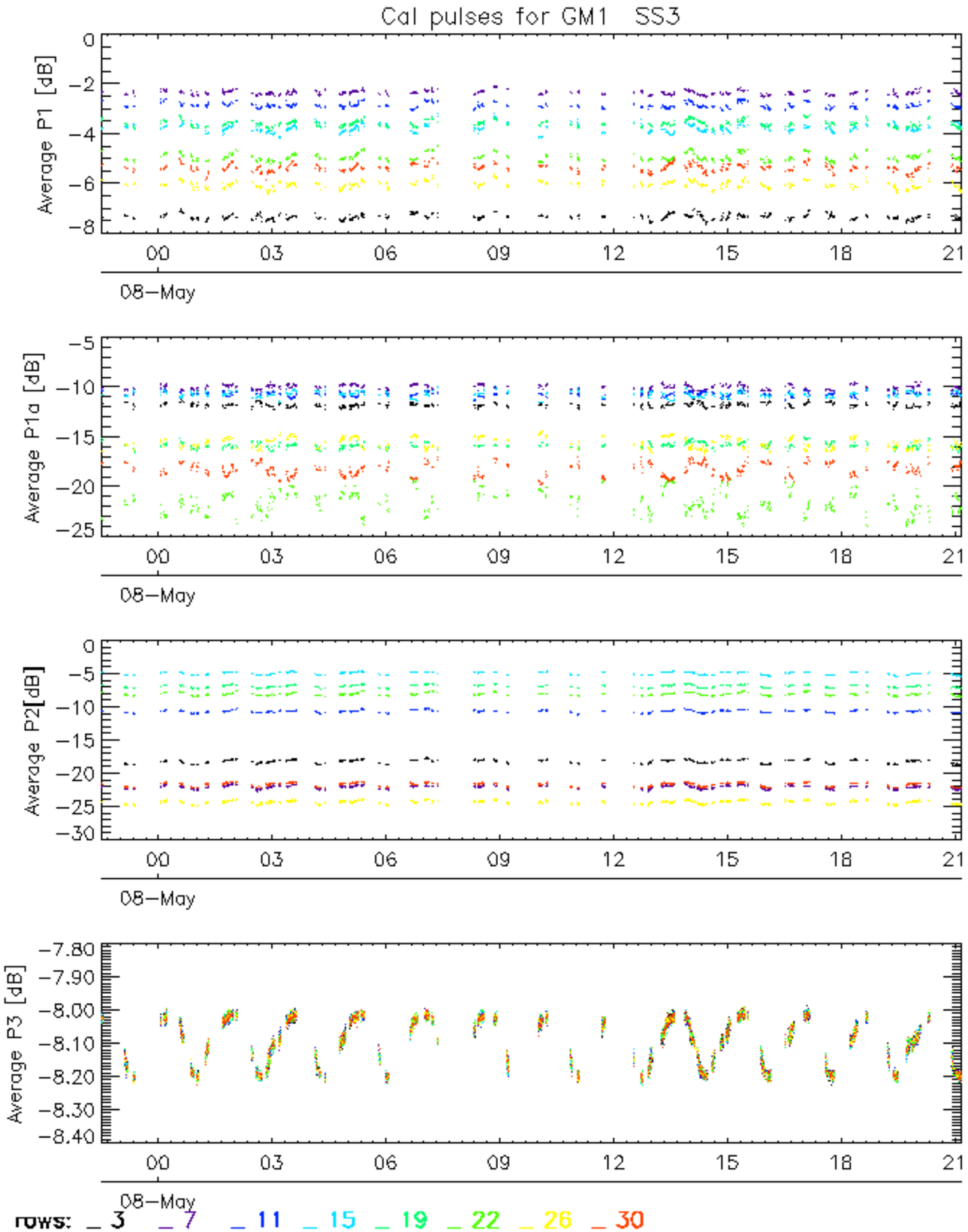
7.6 - Doppler evolution versus ANX for GM1

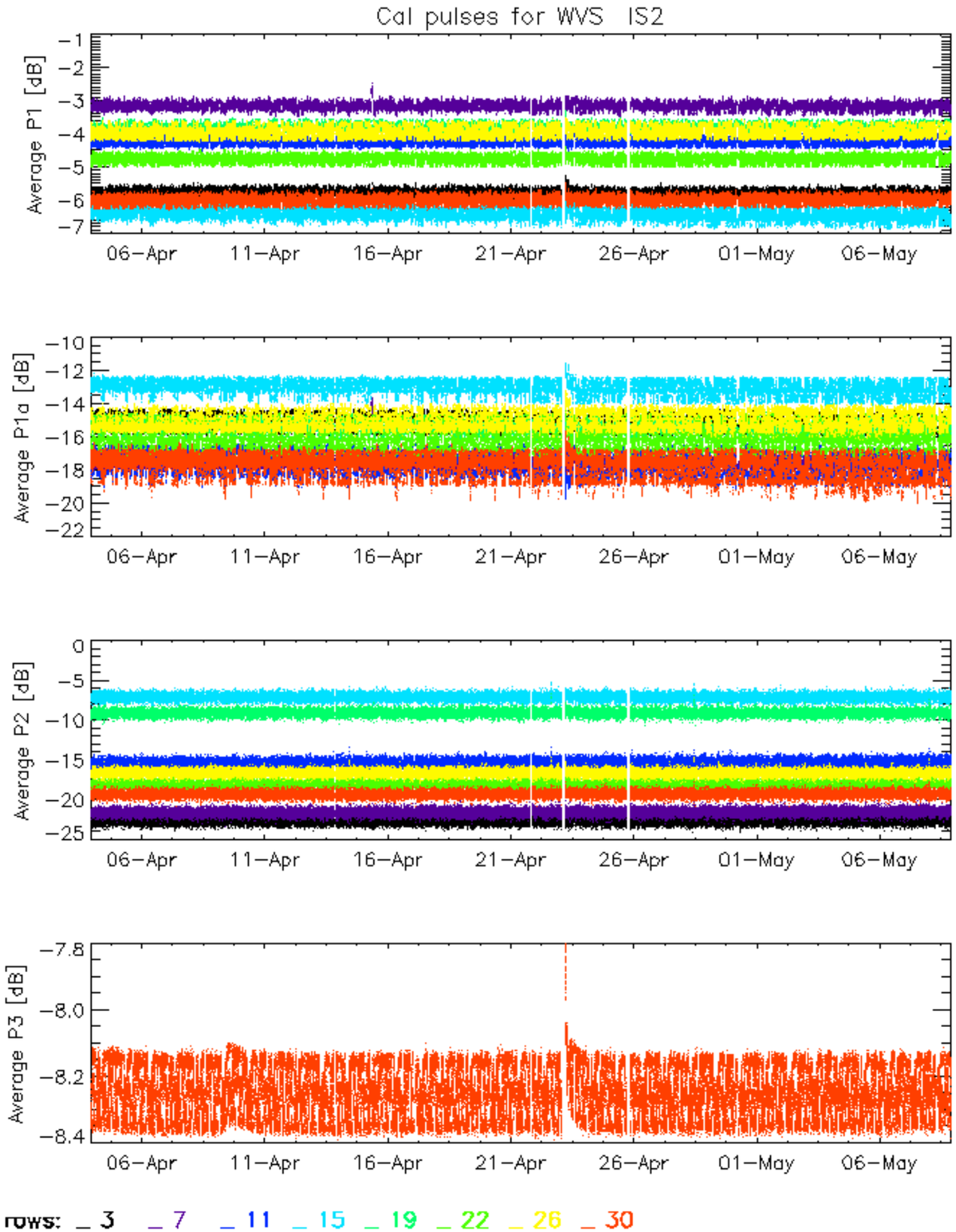
Evolution Doppler error versus ANX
☒

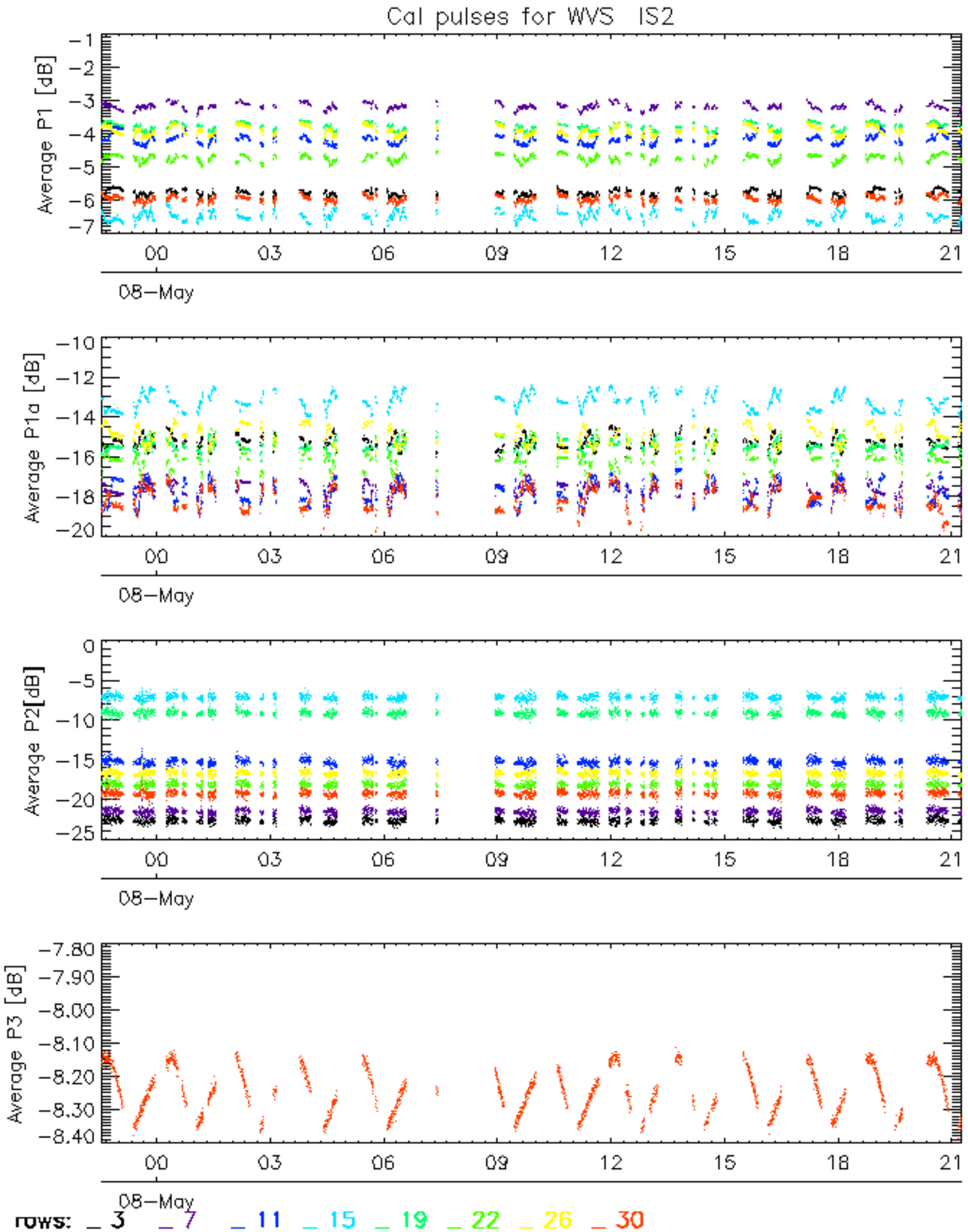

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
00
03
06
09
12
15
18
21
08−May
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

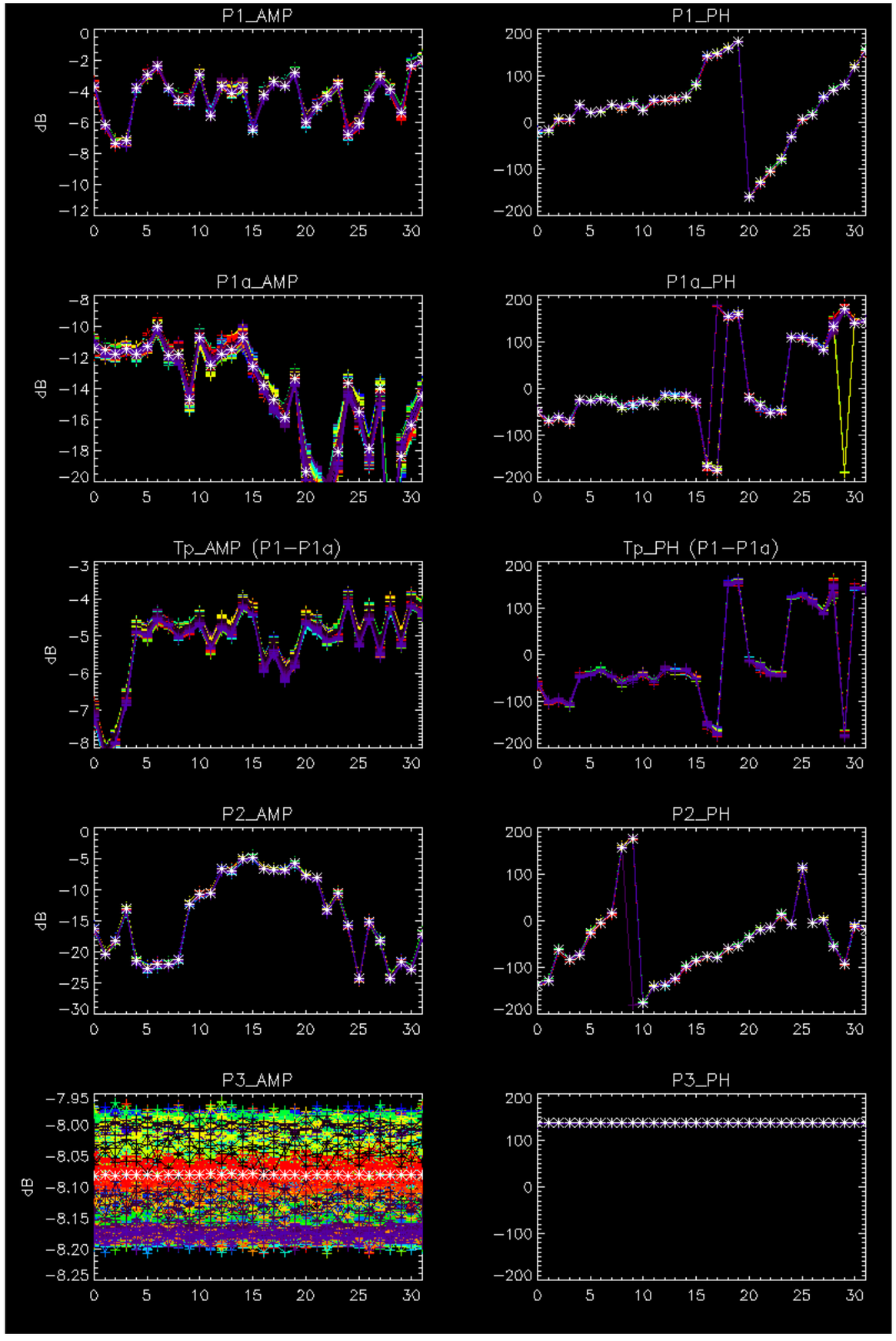

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

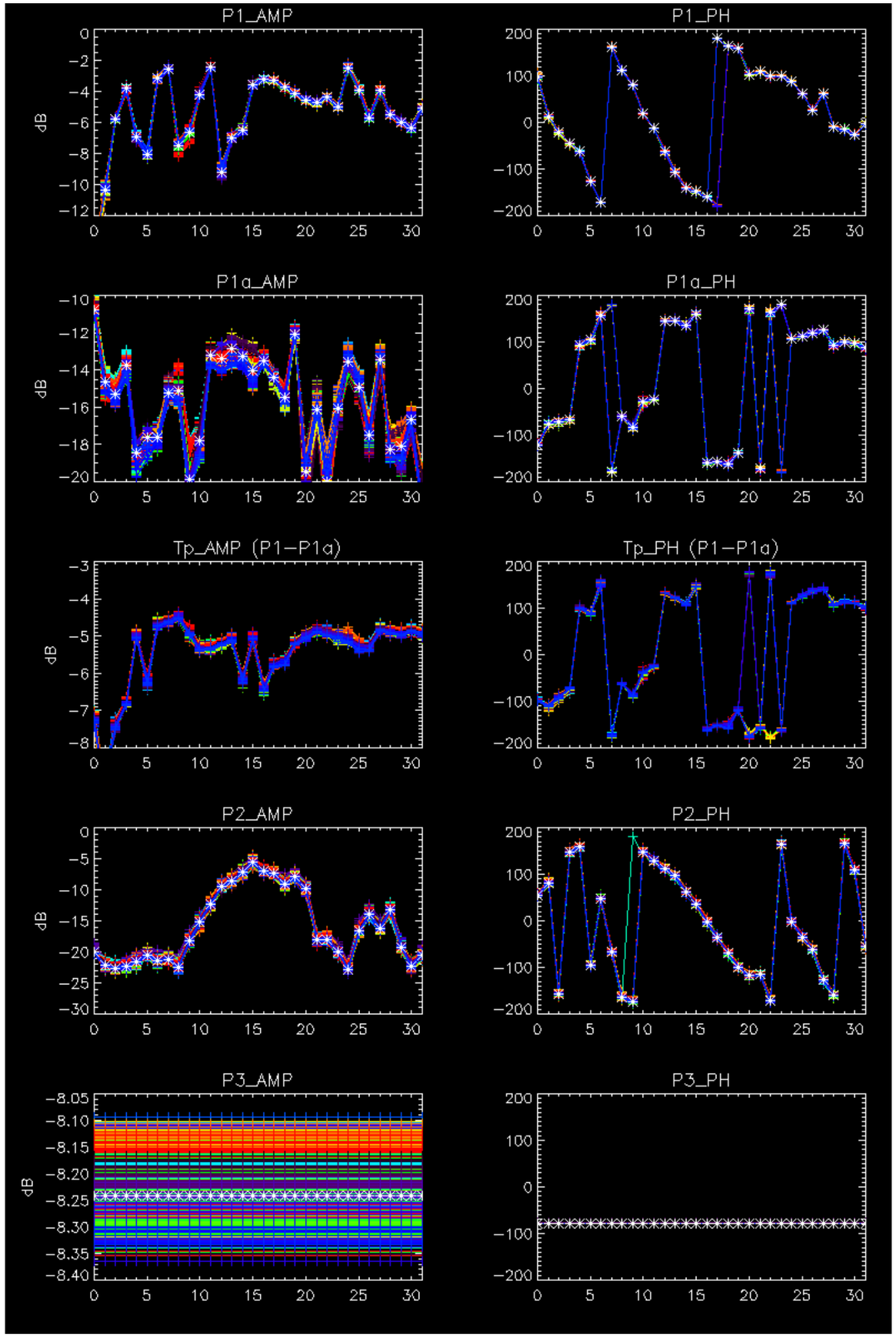

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
00
03
06
09
12
15
18
21
08−May
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30


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
18
21
08−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2[dB]
0
−5
−10
−15
−20
−25
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

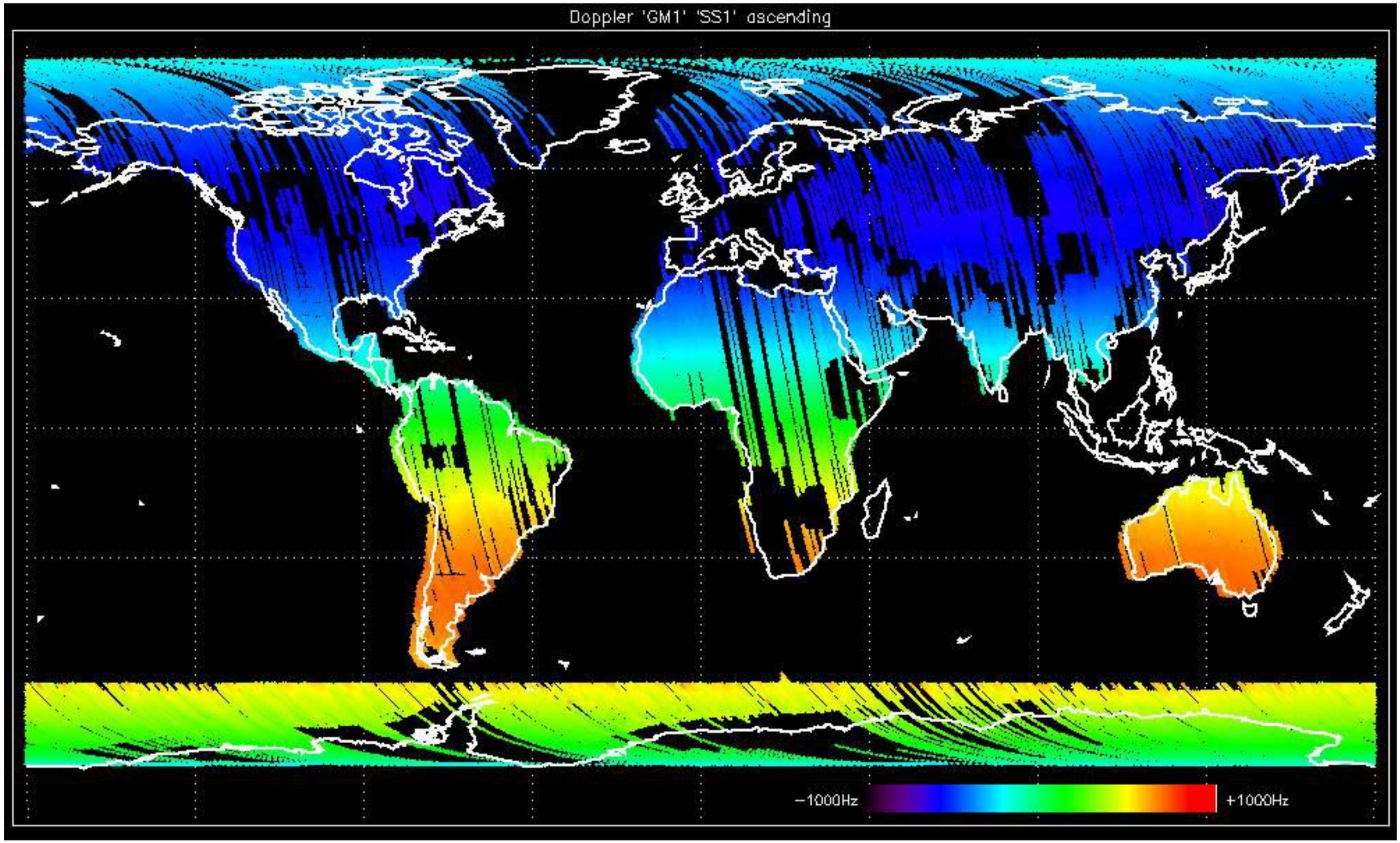
No anomalies observed.

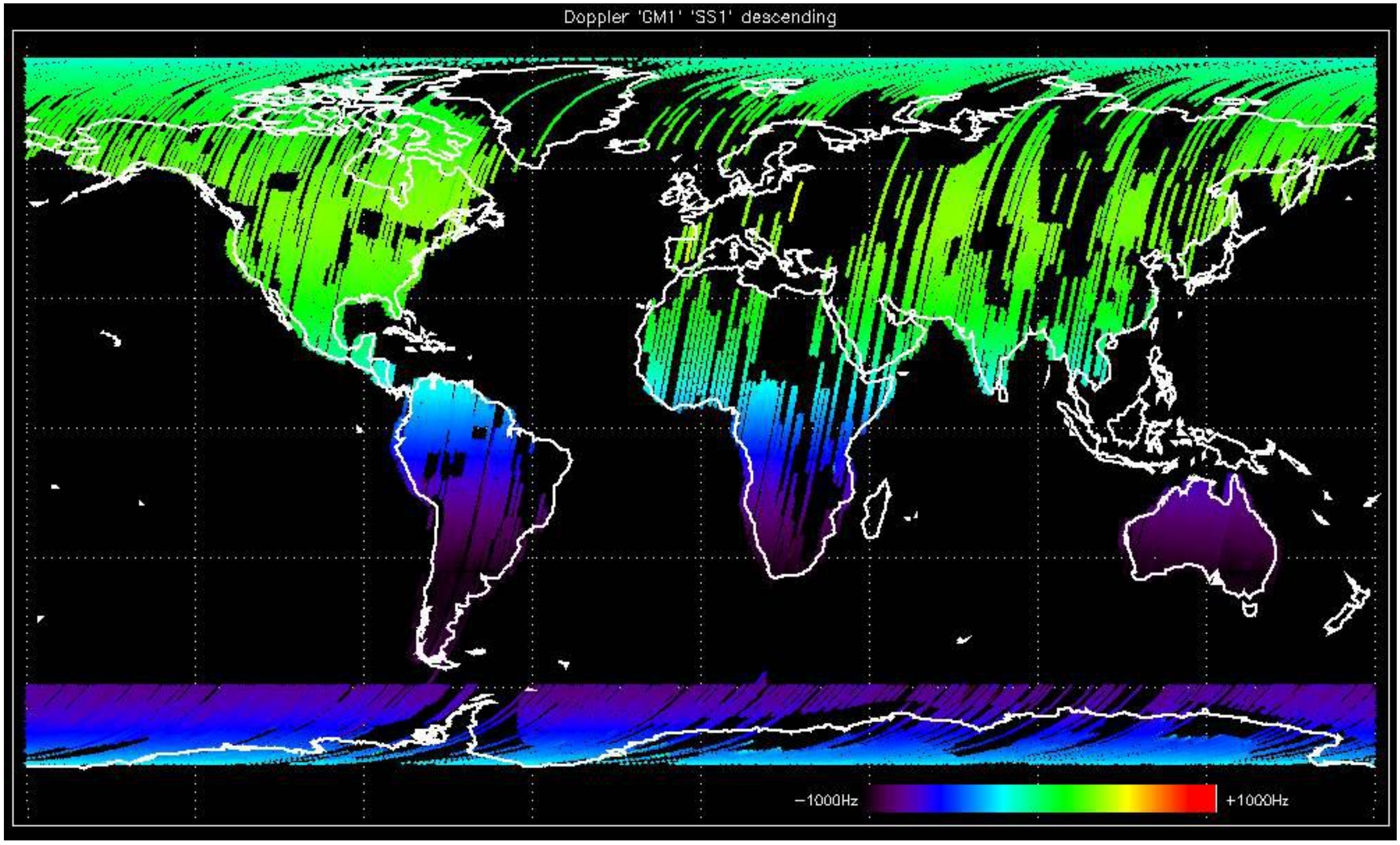

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

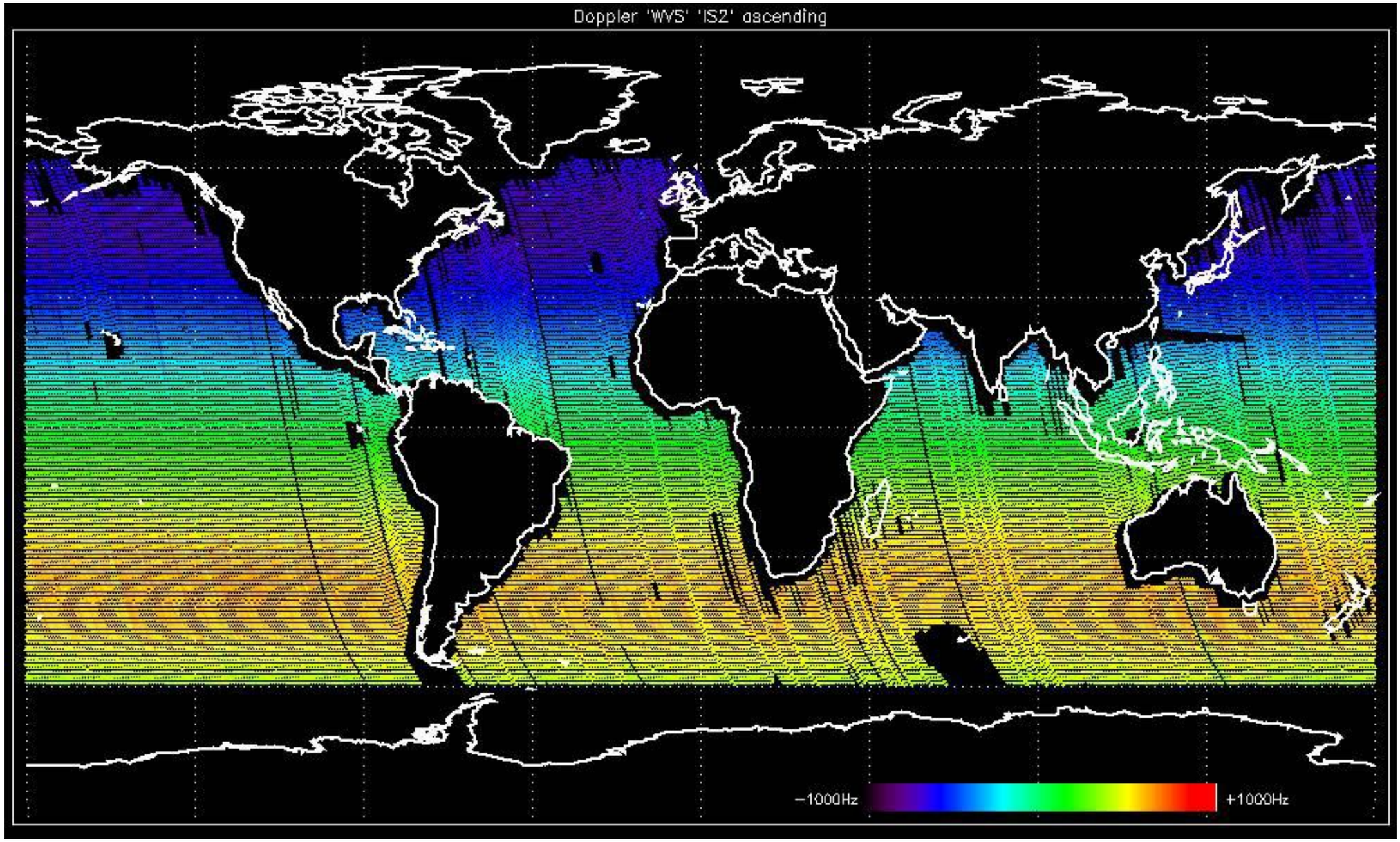

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

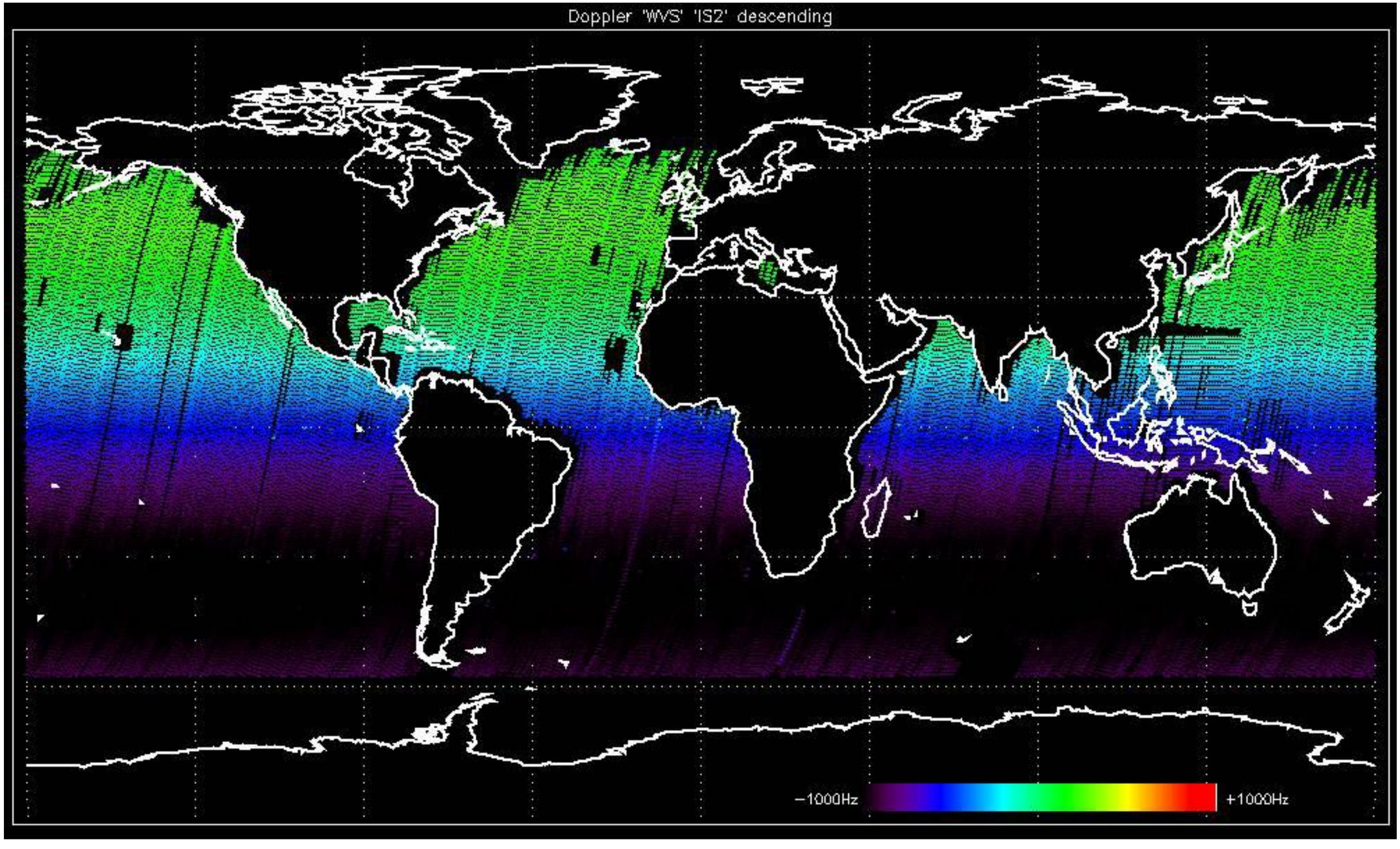
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

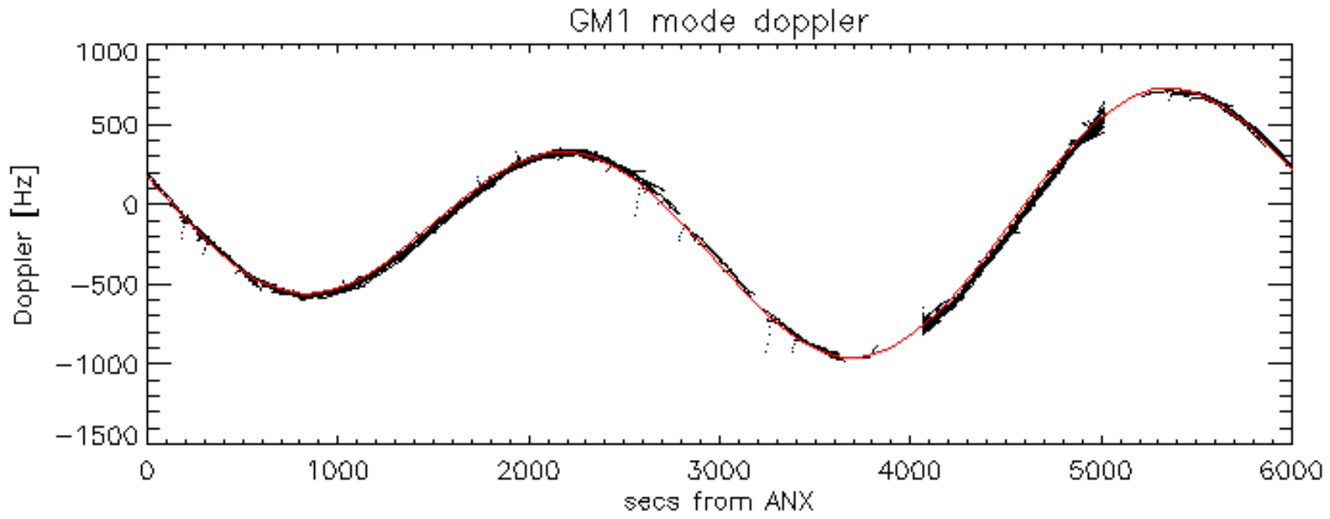
Preliminary report.The data is not yet controled

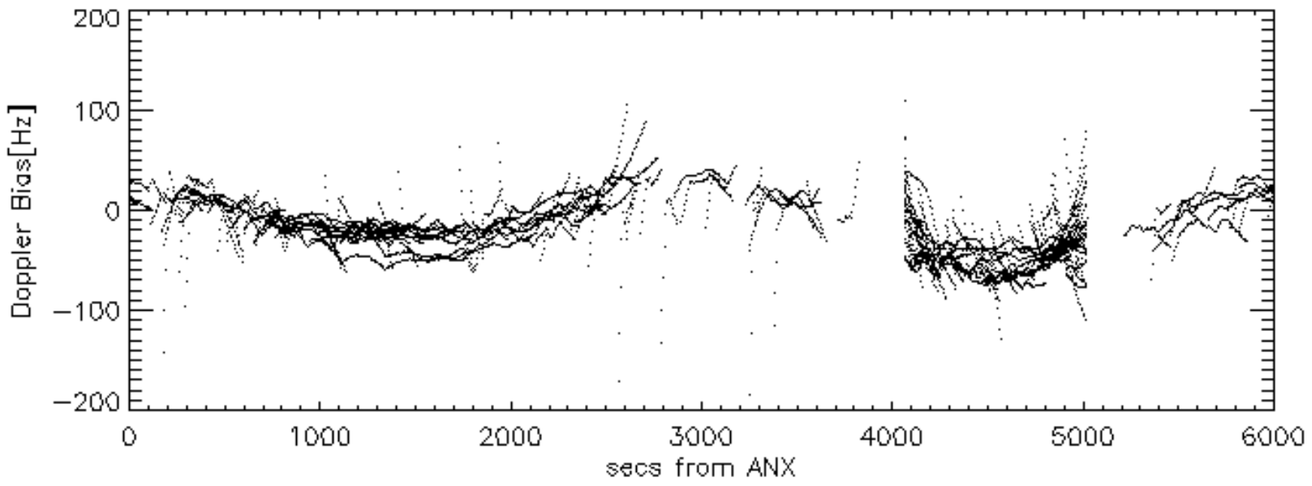

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

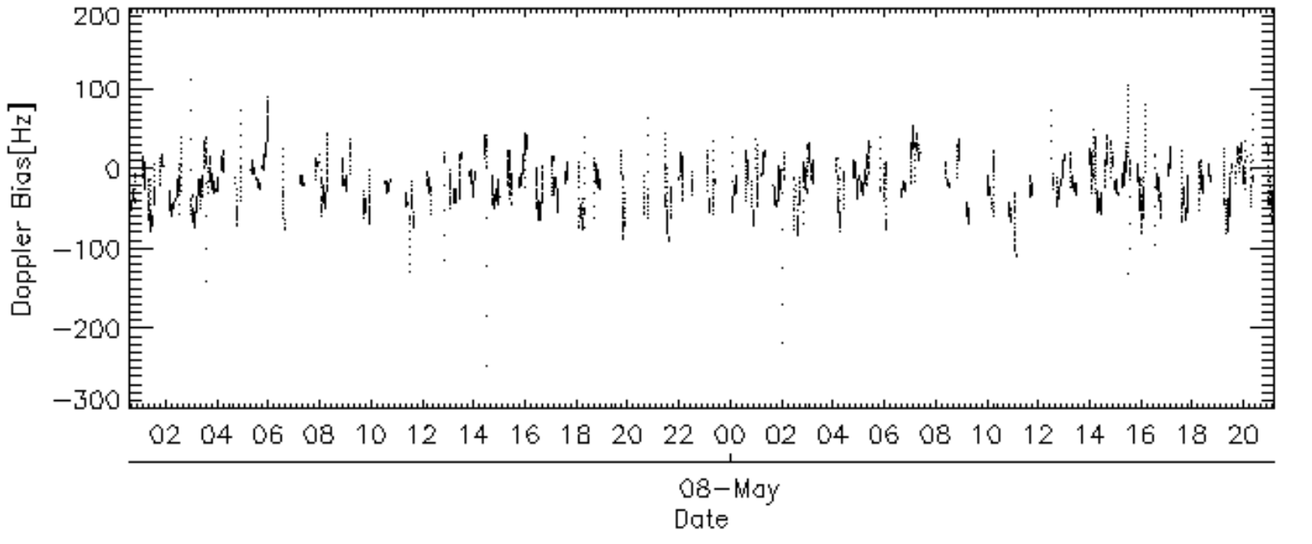

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

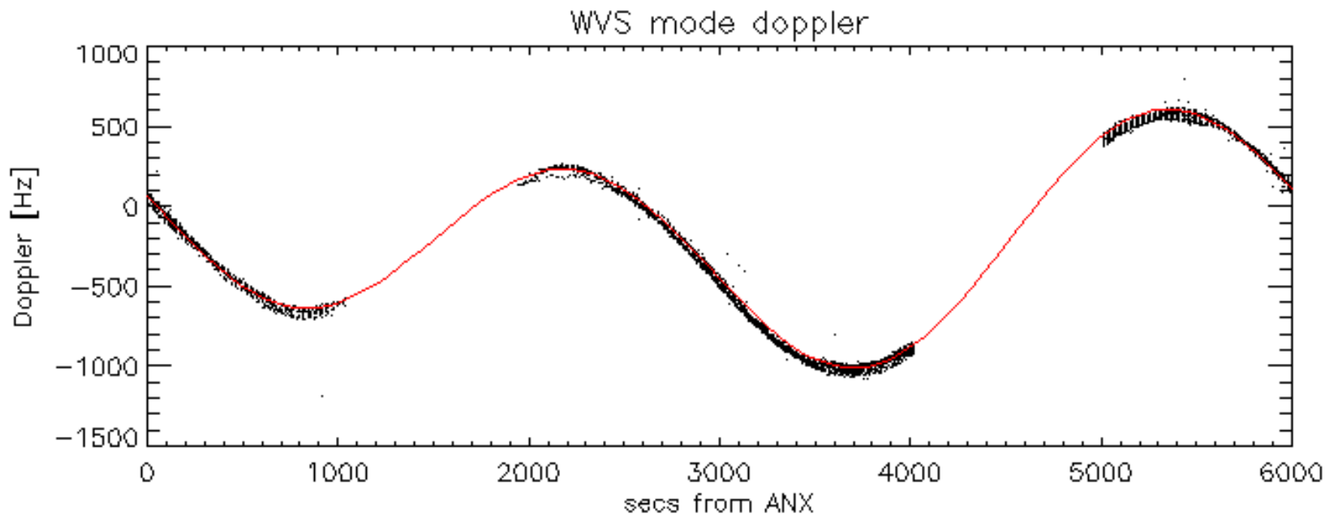

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

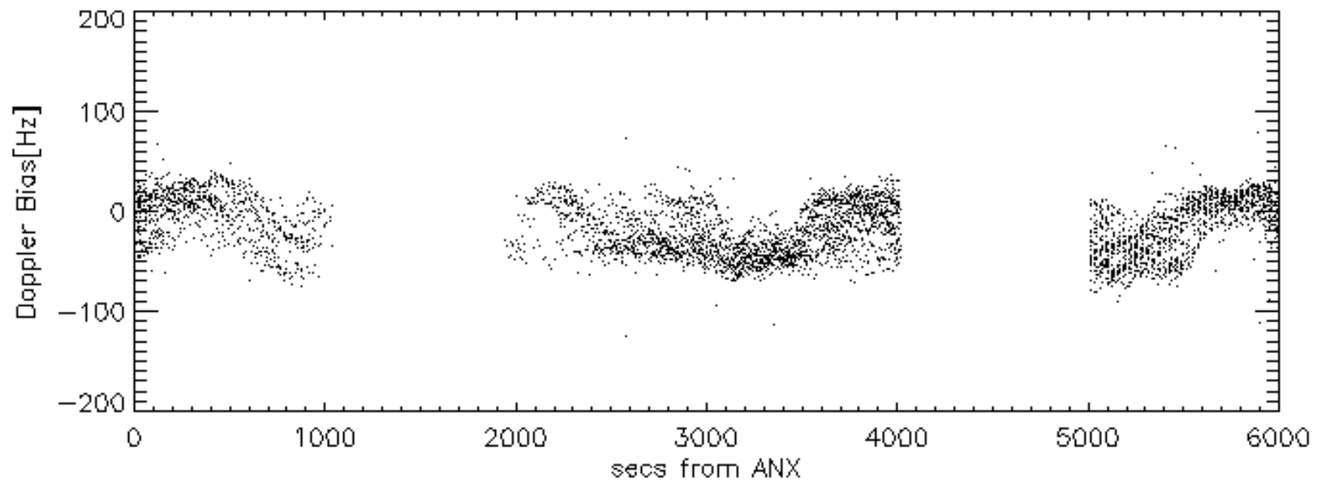

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

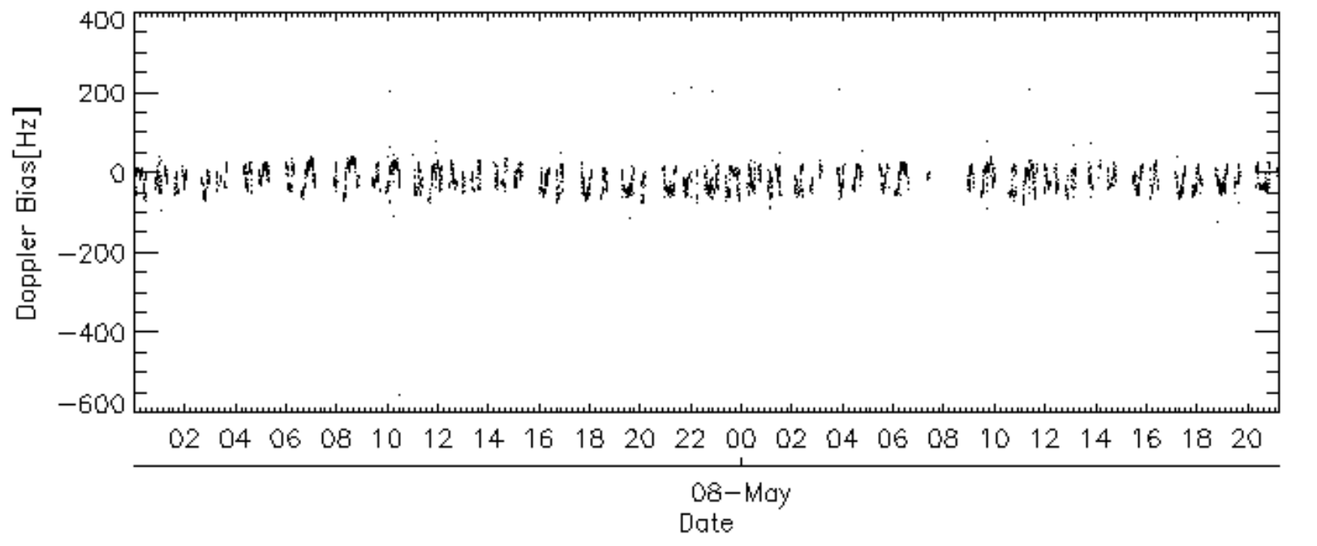

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

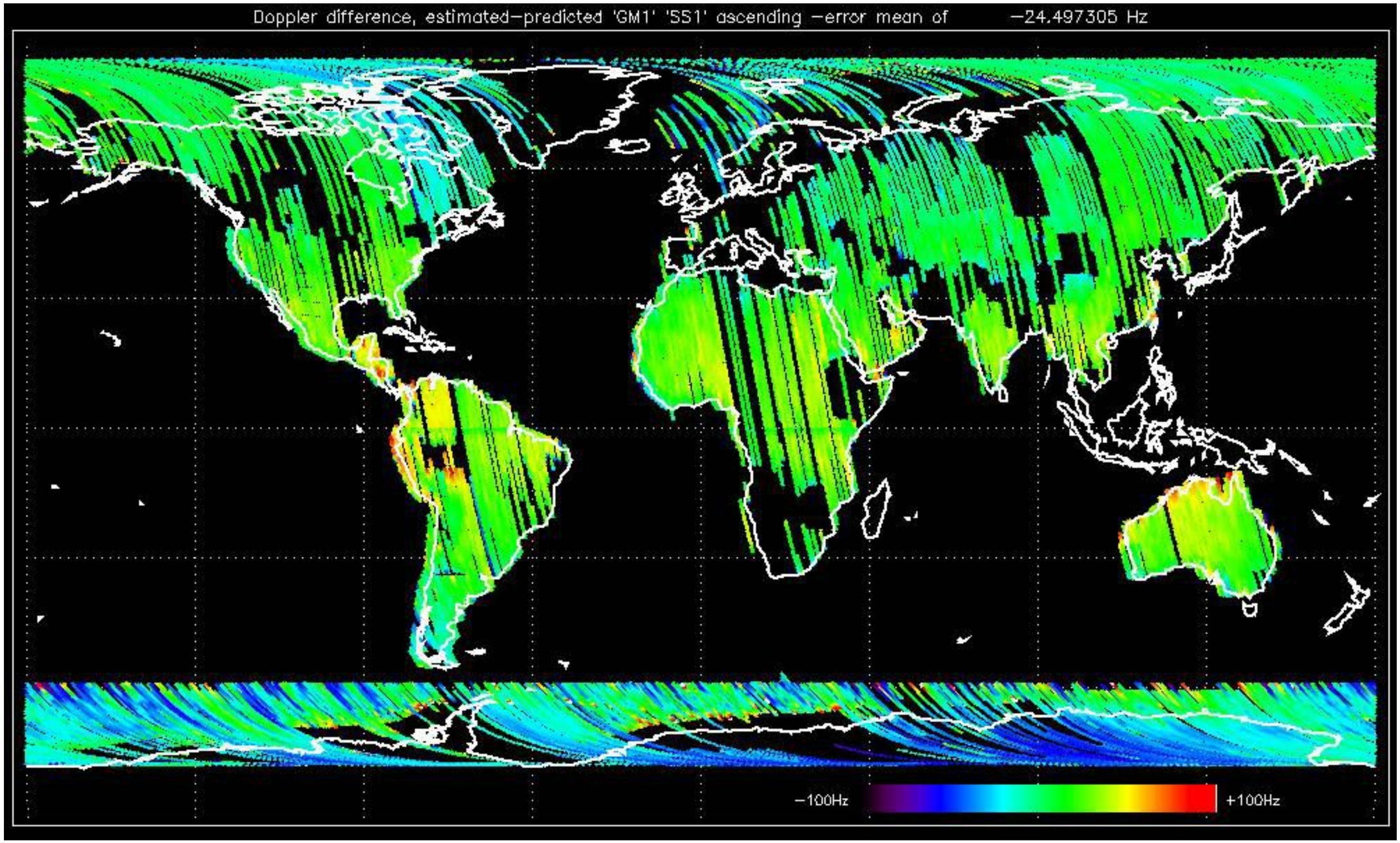

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

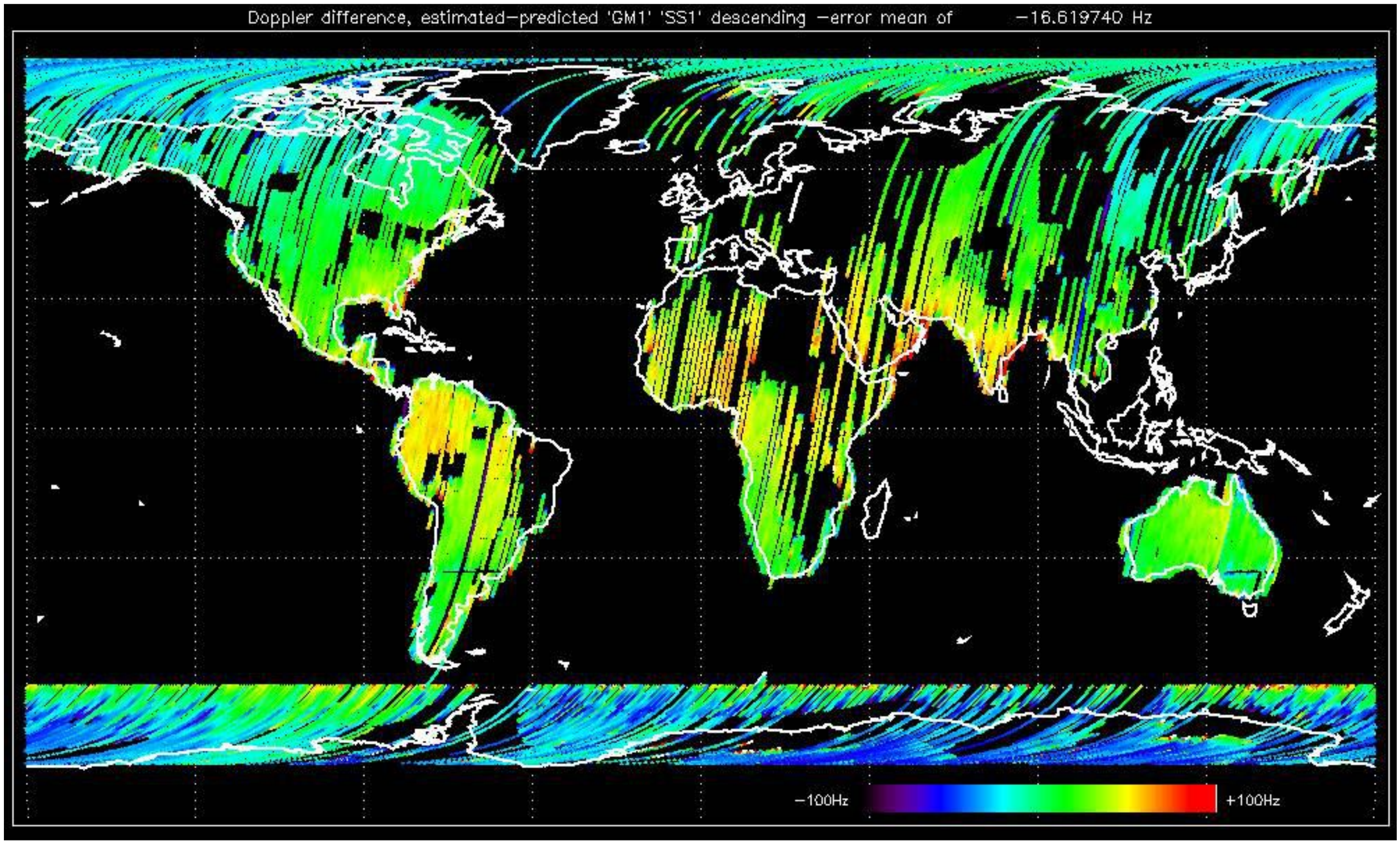

Doppler Bias[Hz]
200
100
0
−100
−200
−300
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18 20
08−May
Date

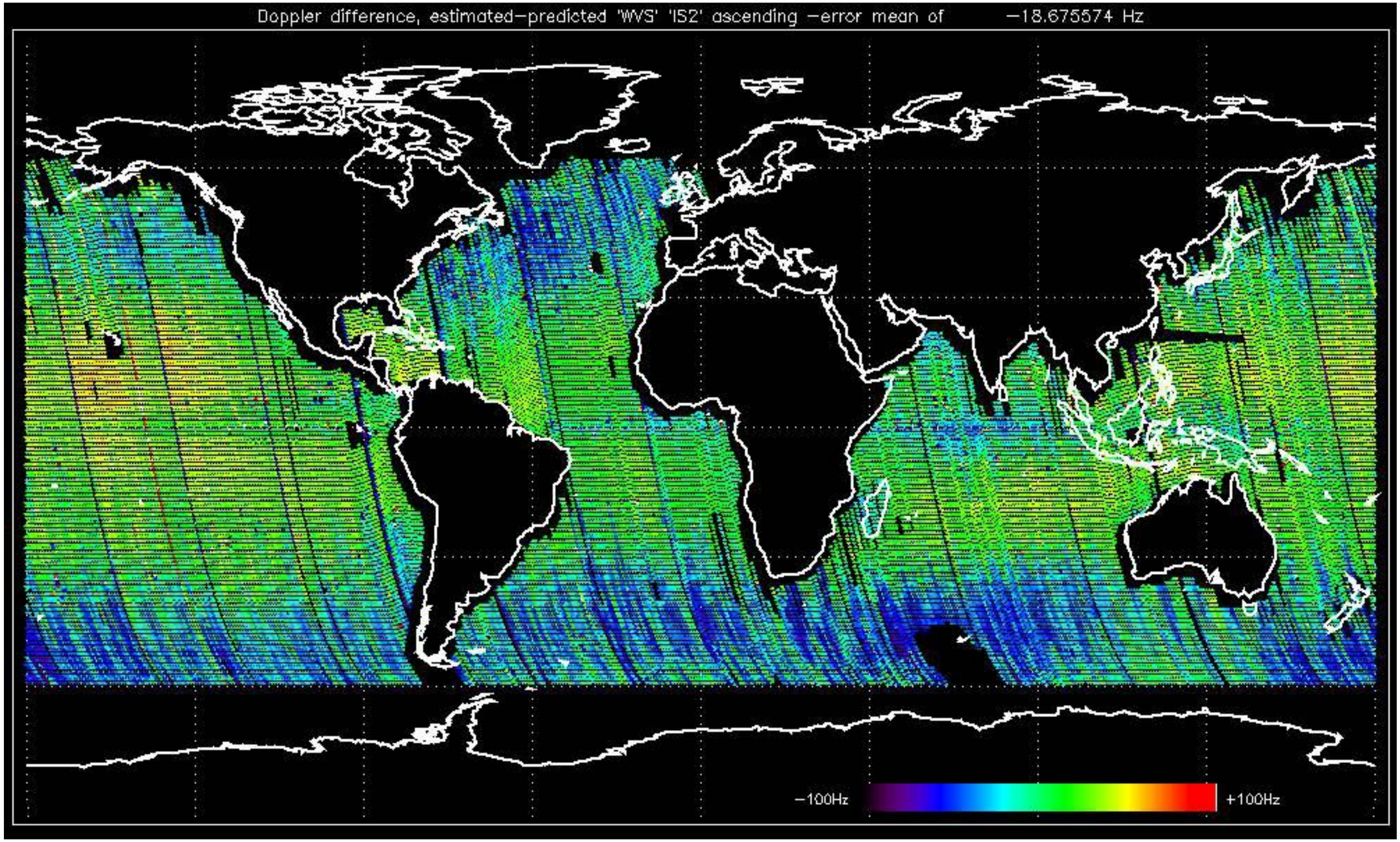

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

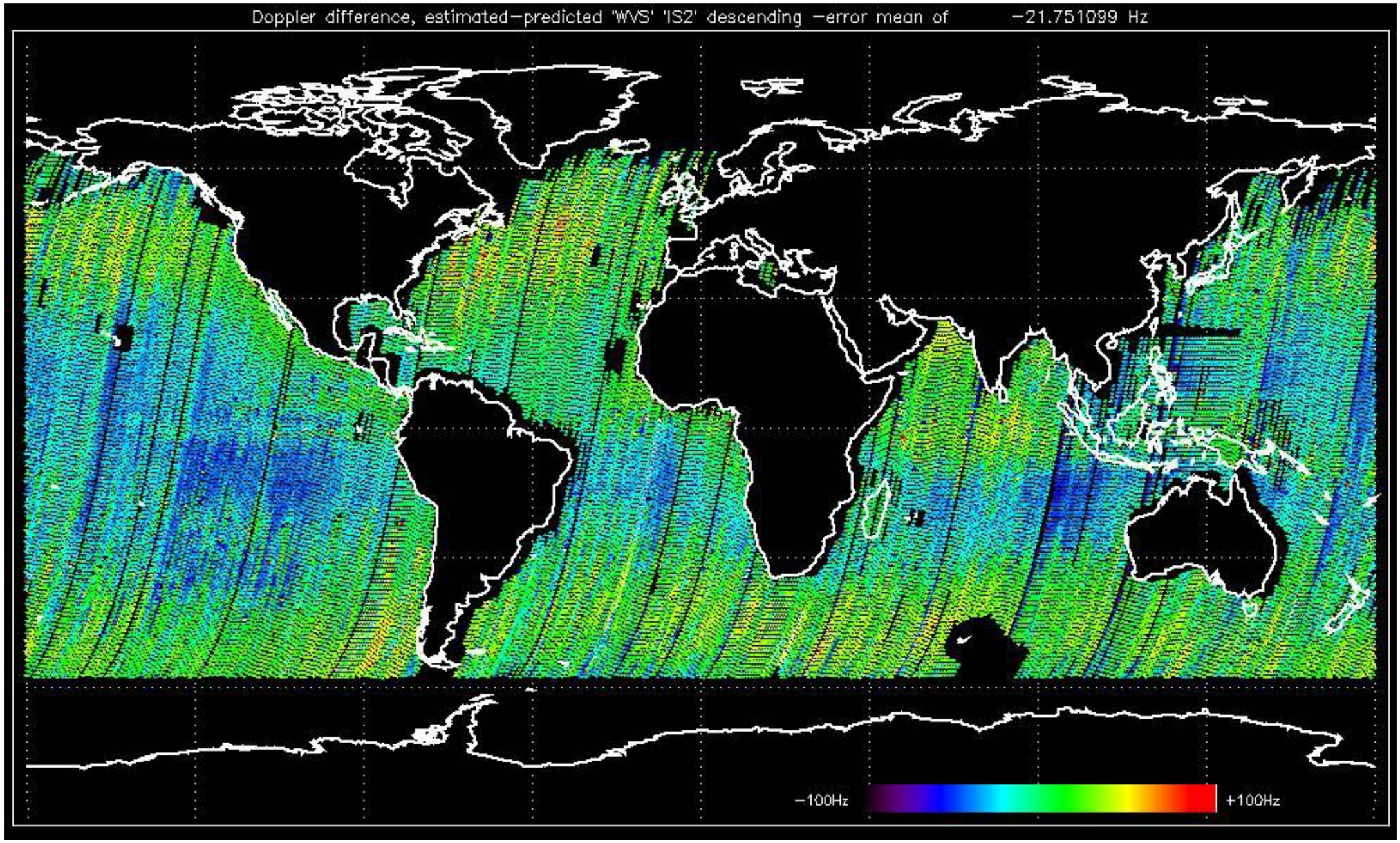

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
400
200
0
−200
−400
−600
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18 20
08−May
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −24.497305 Hz
−100Hz
+100Hz

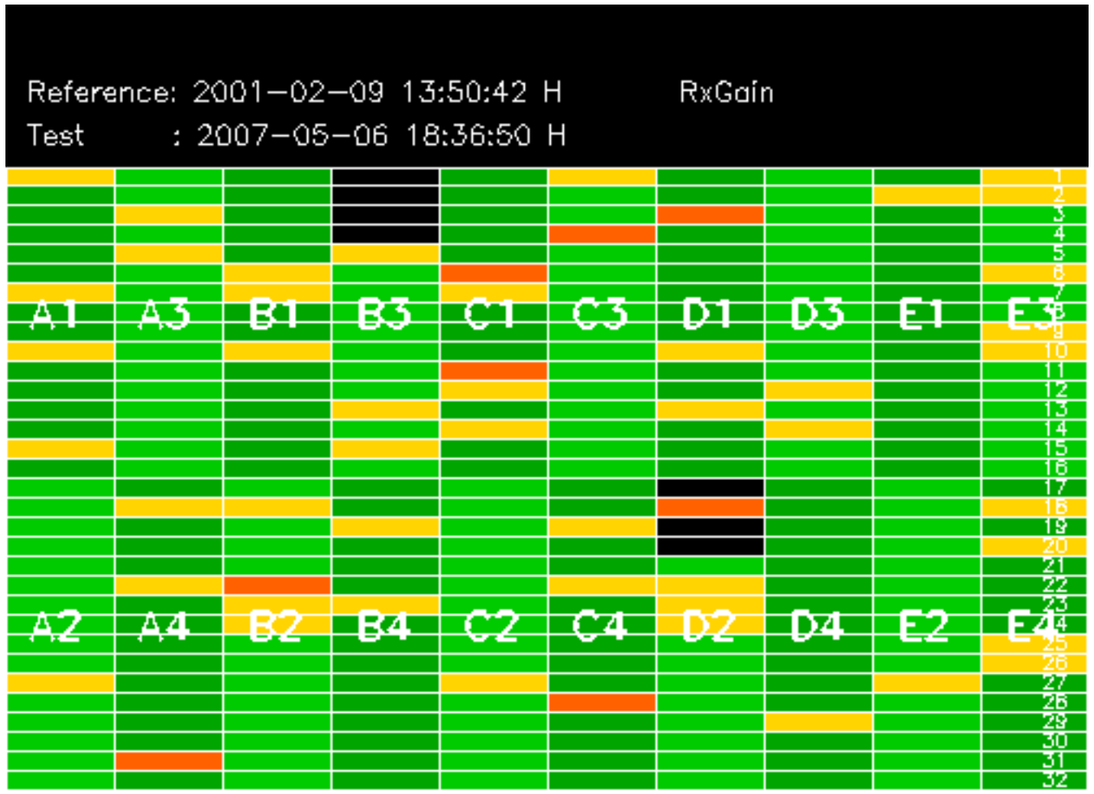

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.619740 Hz
-100Hz
+100Hz

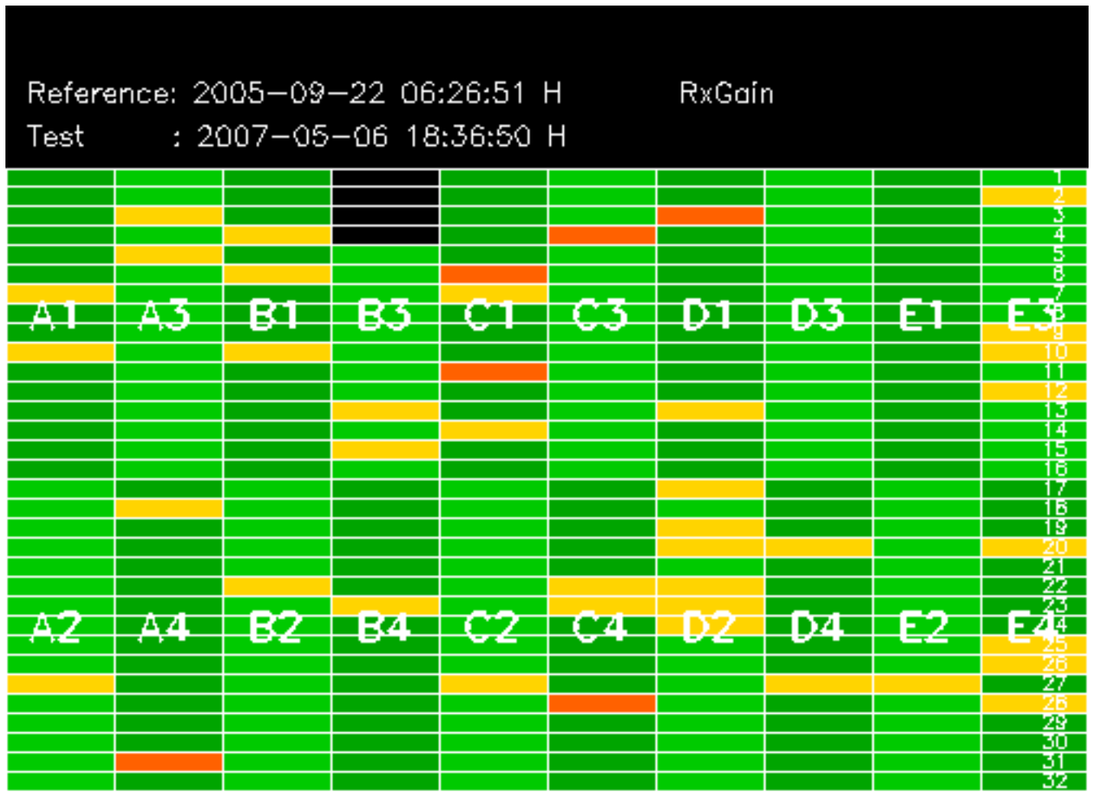

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −18.675574 Hz
−100Hz
+100Hz

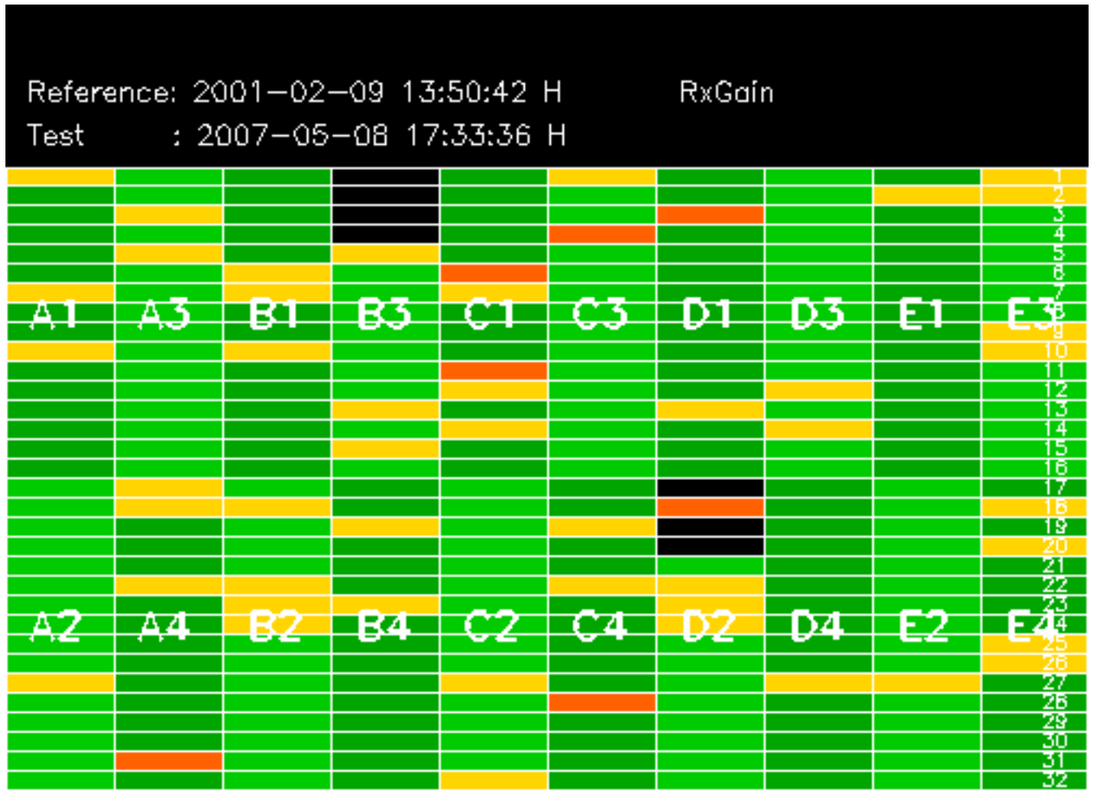

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.751099 Hz
−100Hz
+100Hz

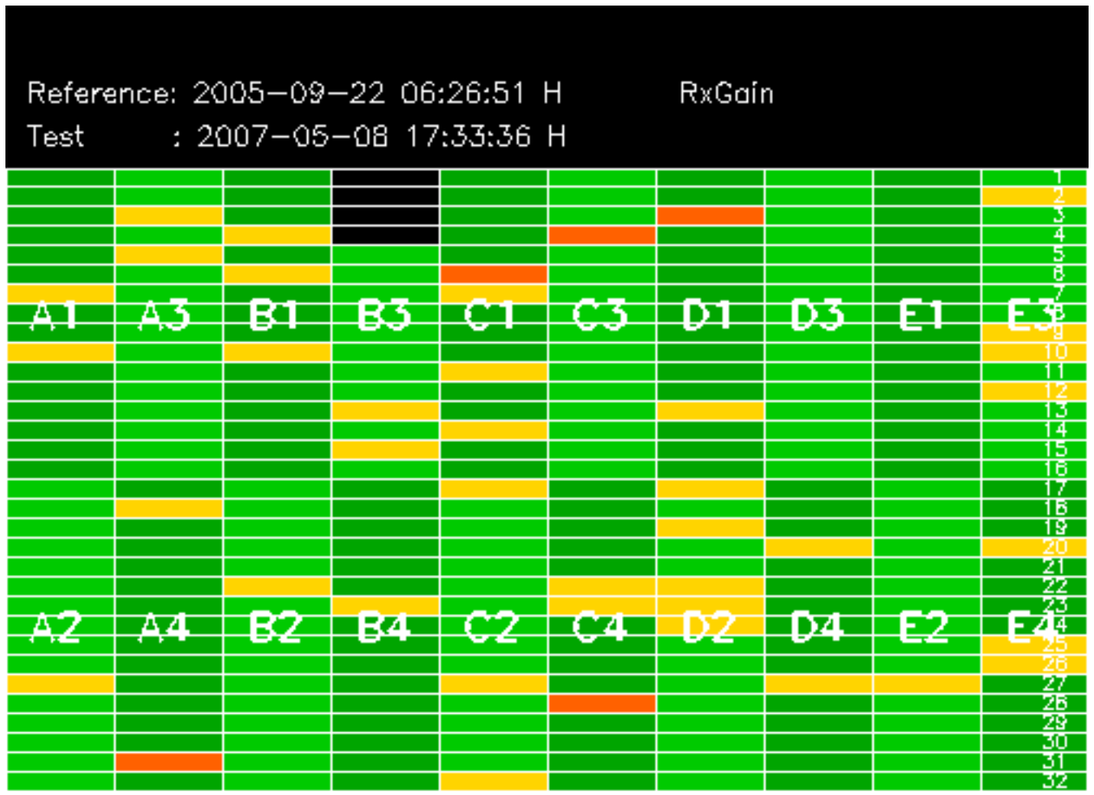
No anomalies observed on available MS products:

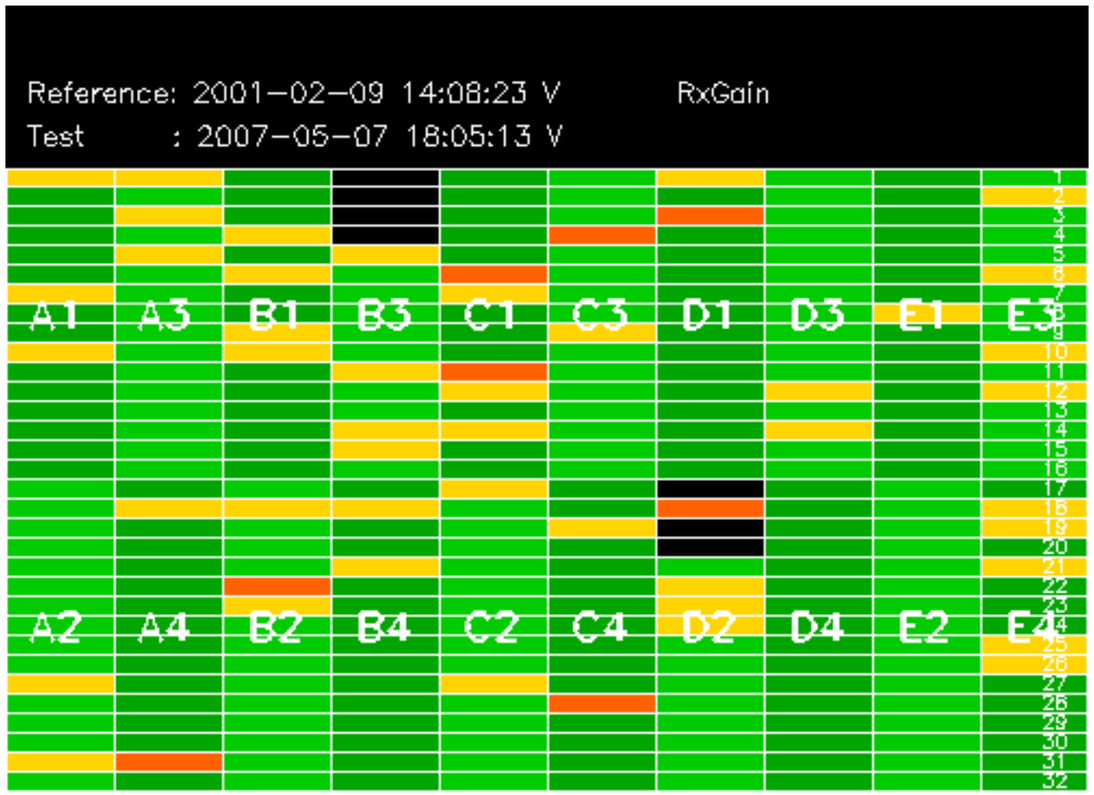
No anomalies observed.

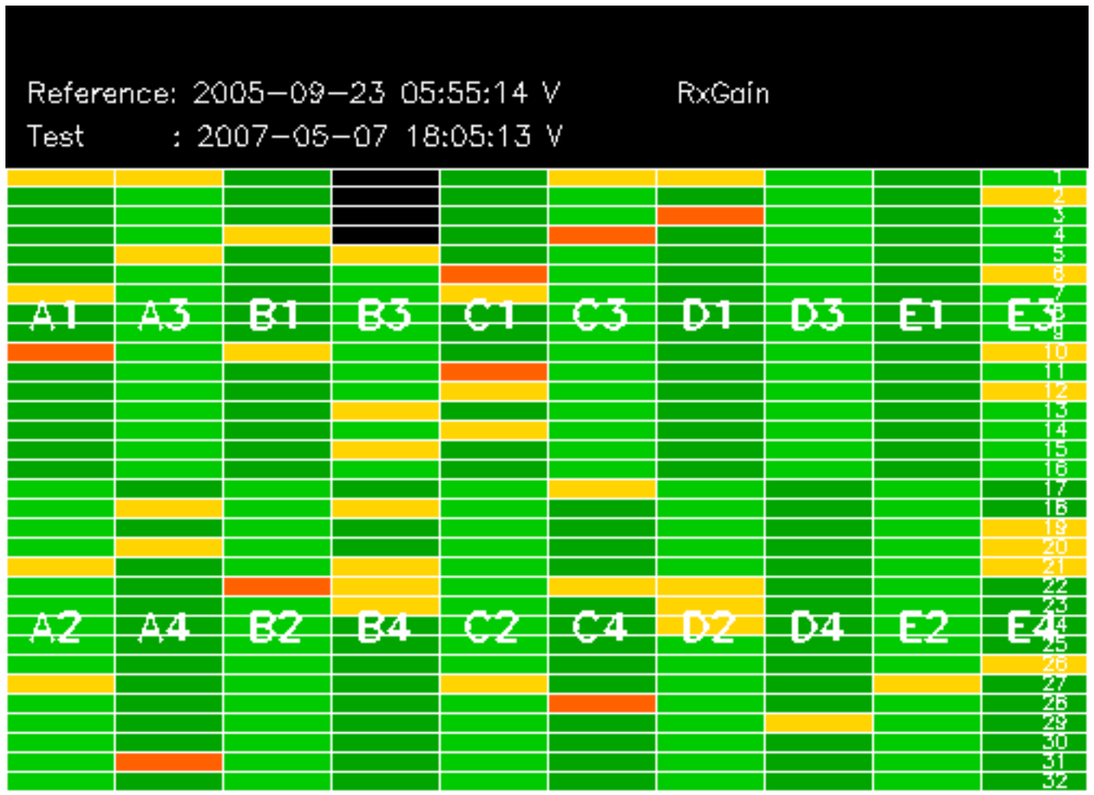

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-06 18:36:50 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

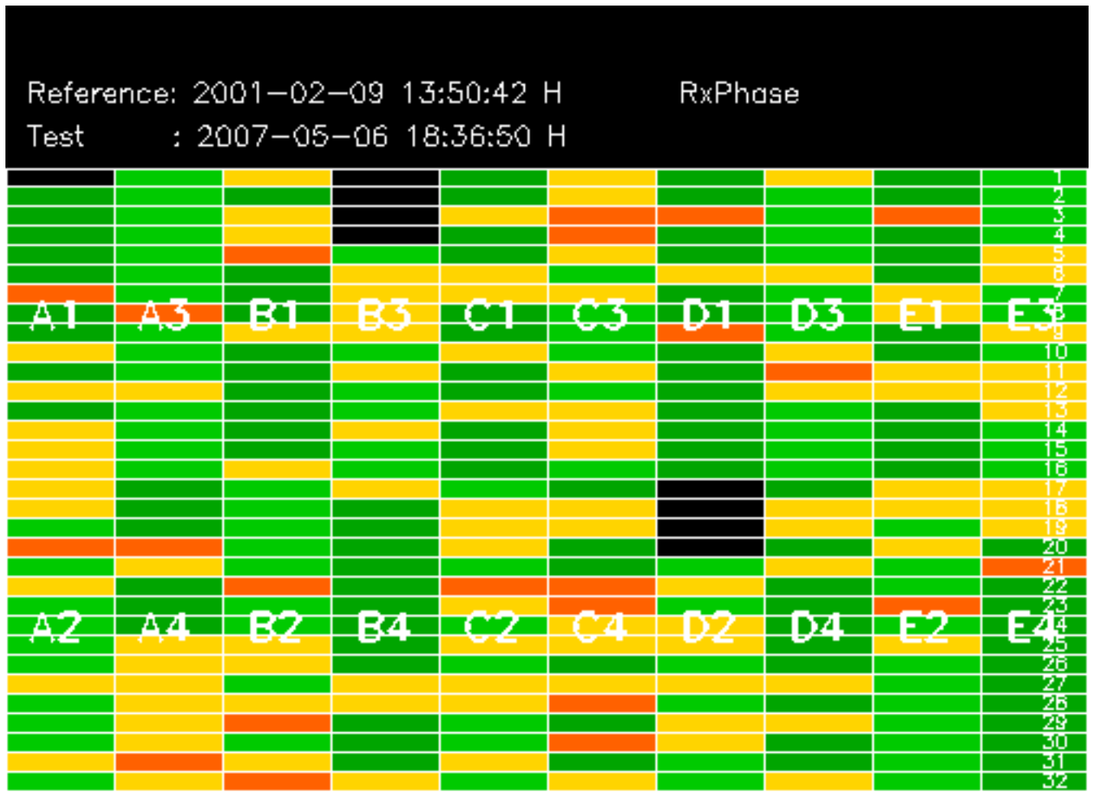

Reference: 2005-09-22 06:26:51 H
Test : 2007-05-06 18:36:50 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-08 17:33:36 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 : 2007-05-08 17:33:36 H
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
RxGain
Test : 2007-05-07 18:05:13 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 : 2007-05-07 18:05:13 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 : 2007-05-06 18:36:50 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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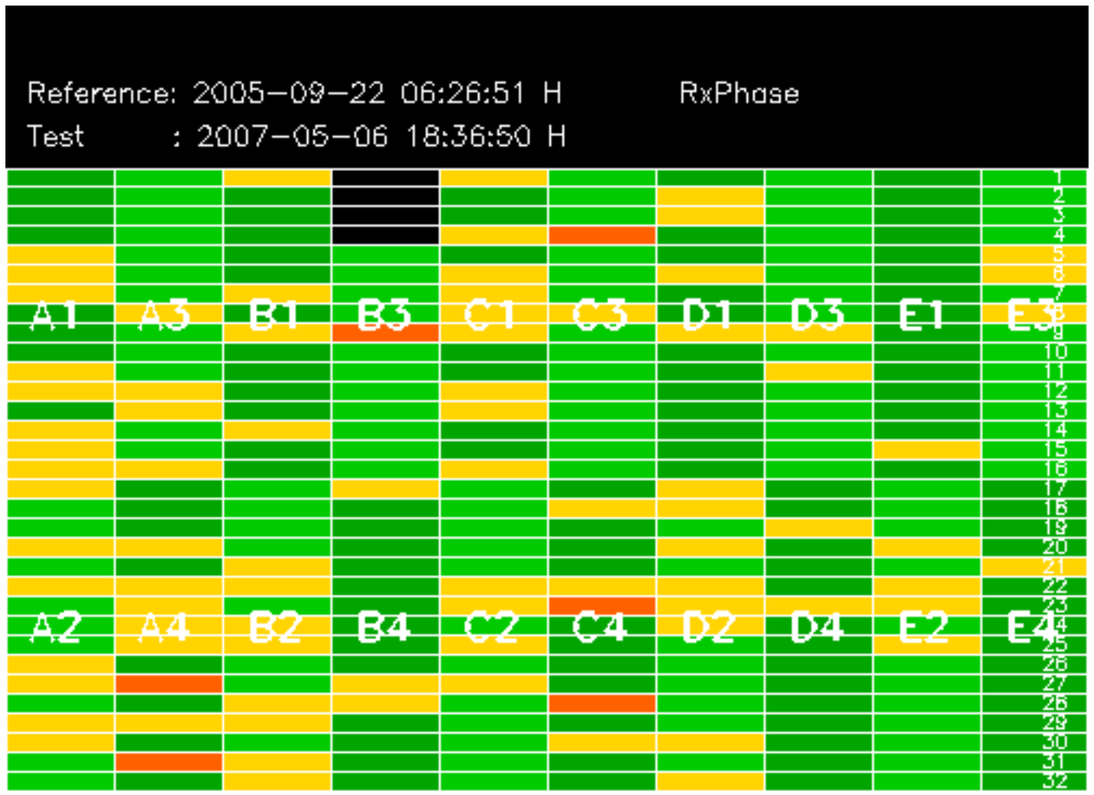
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-05-06 18:36:50 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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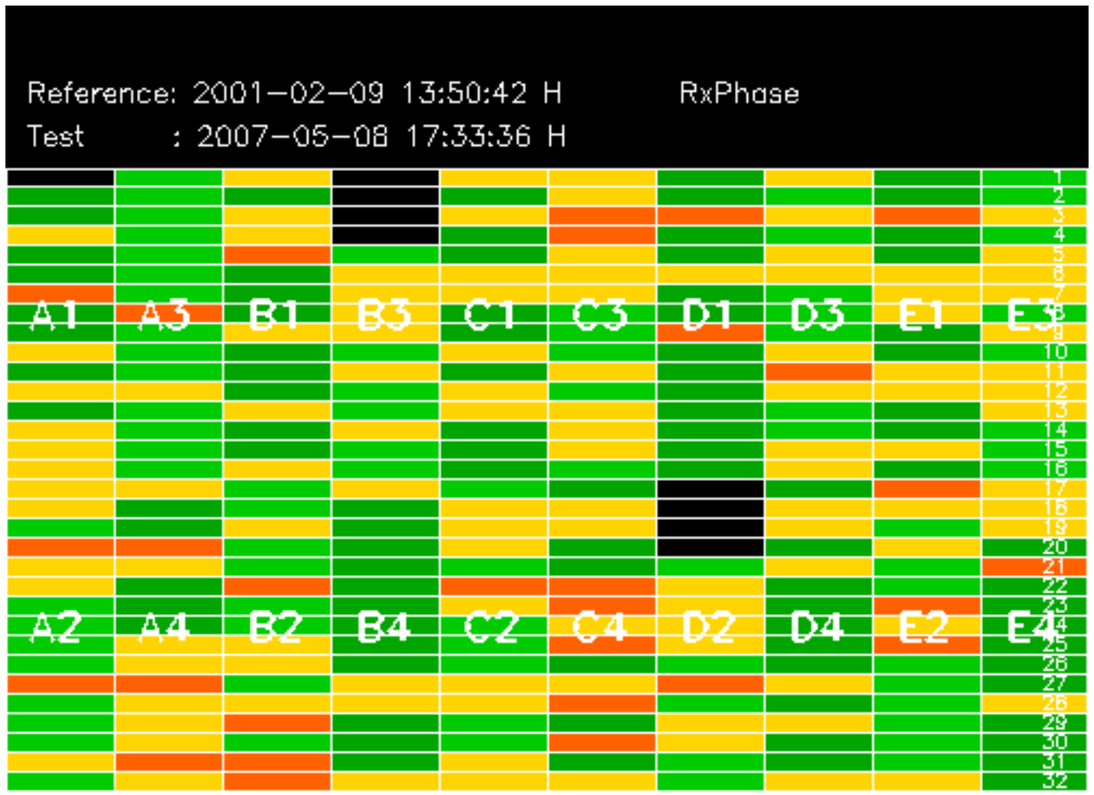
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-05-08 17:33:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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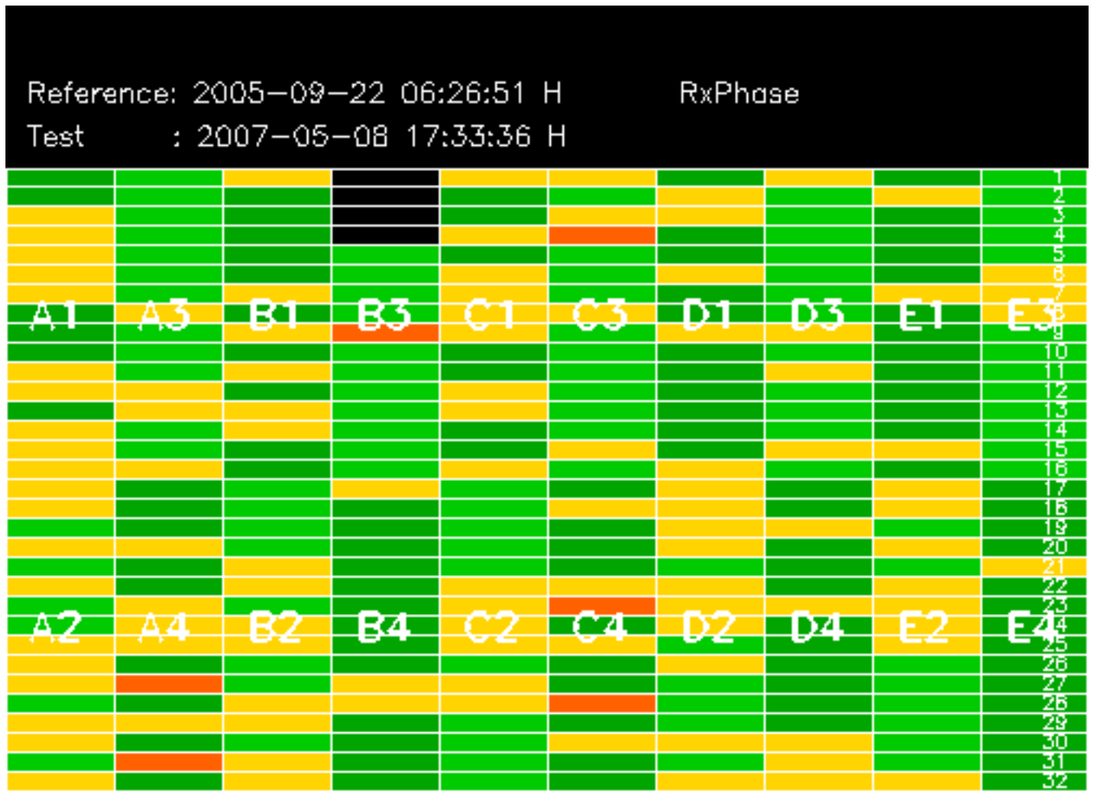
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-05-08 17:33:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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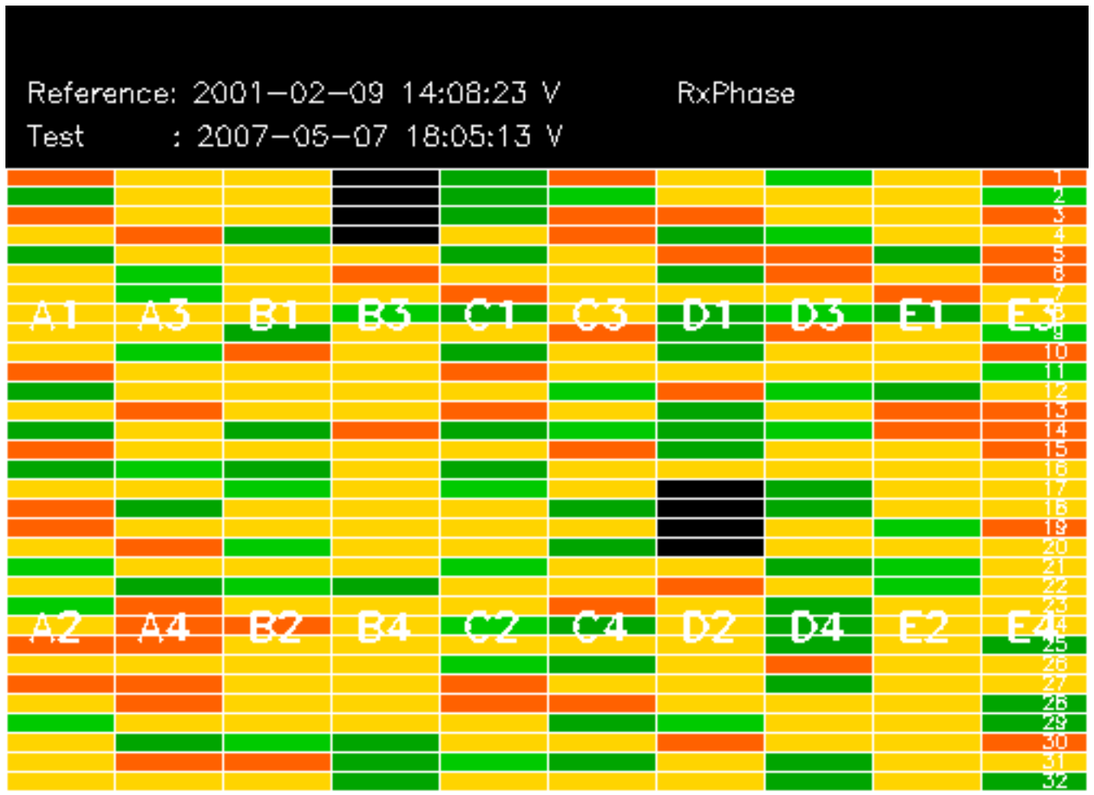
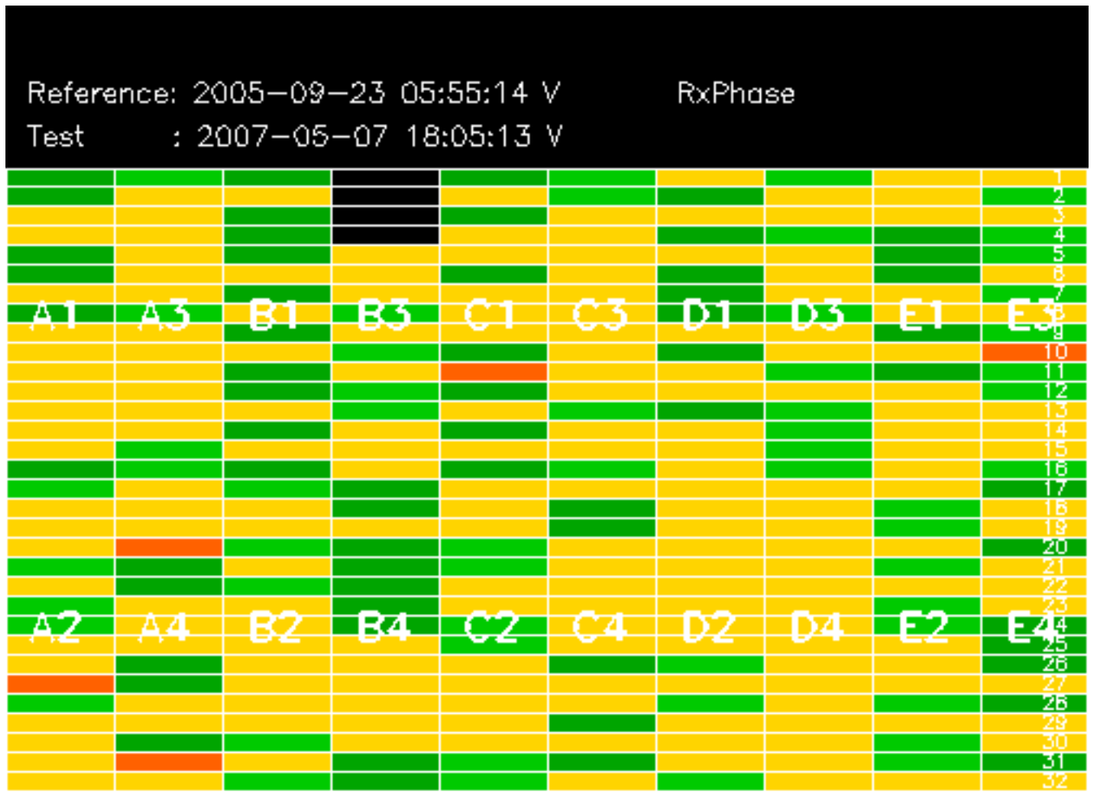
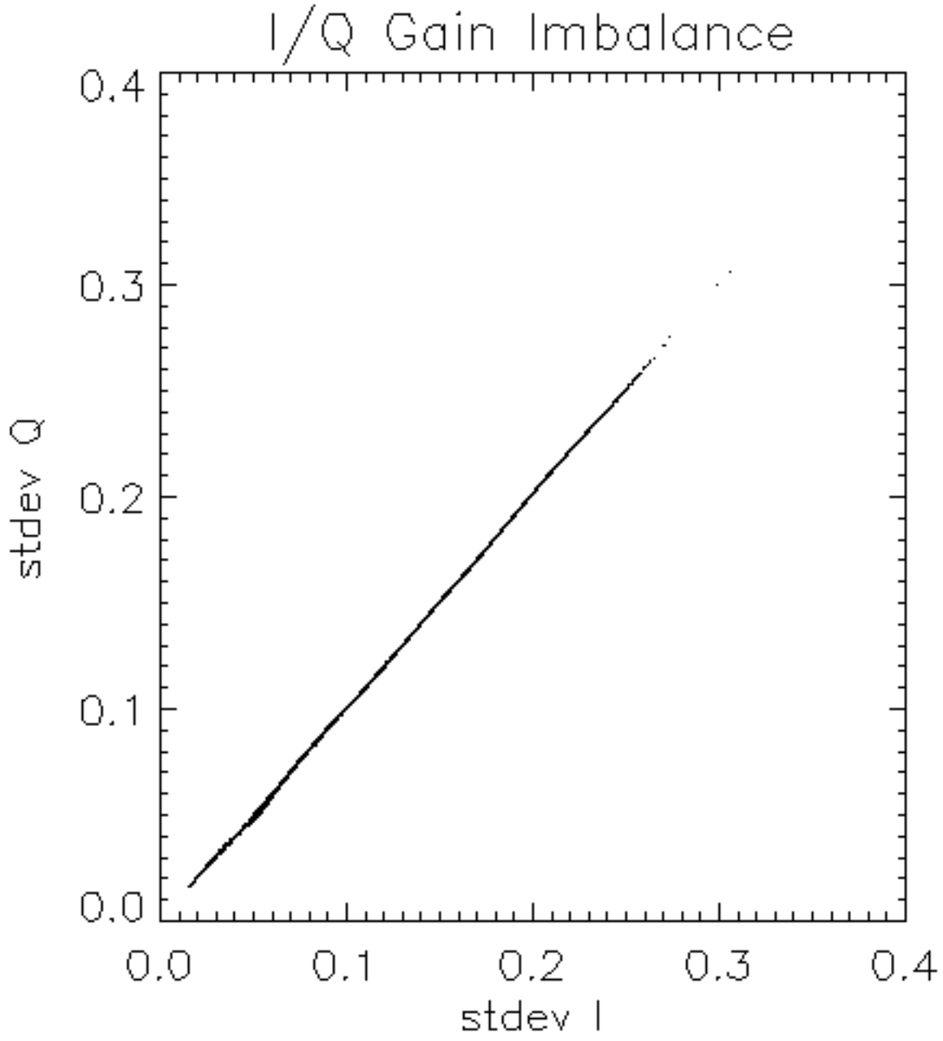
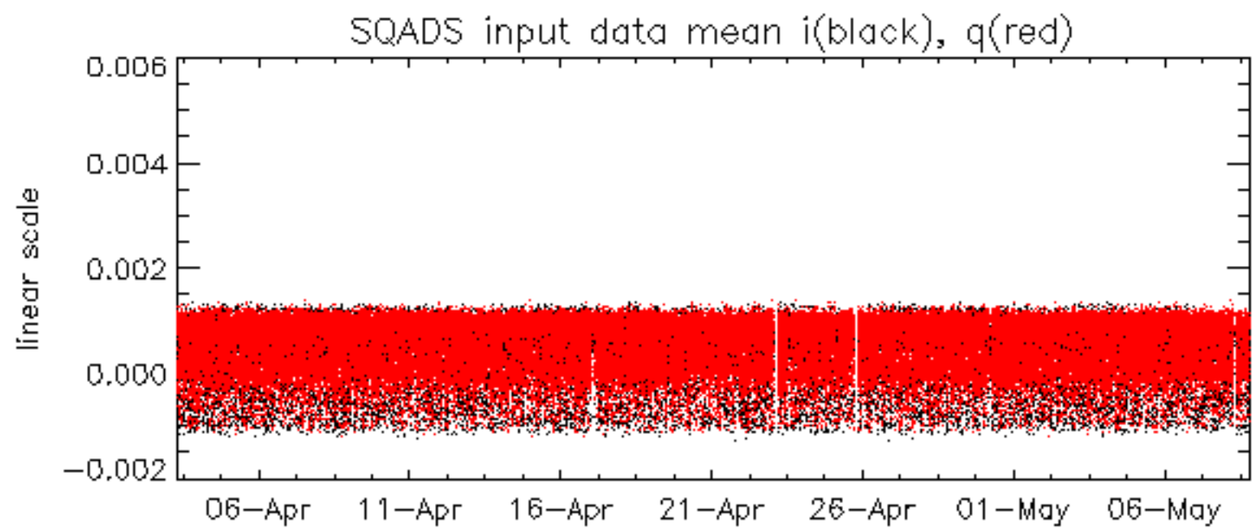
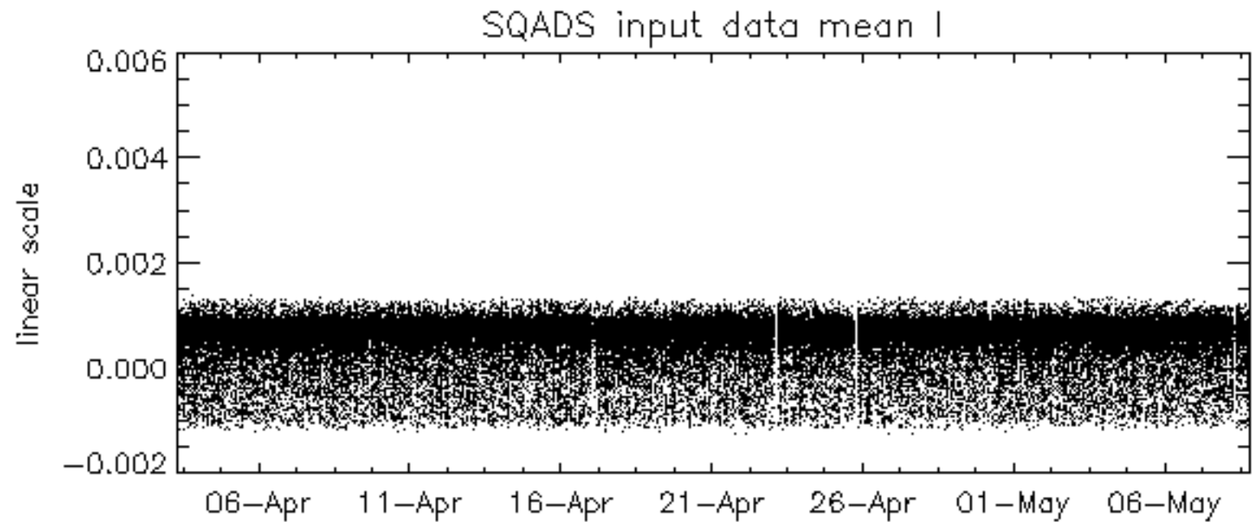
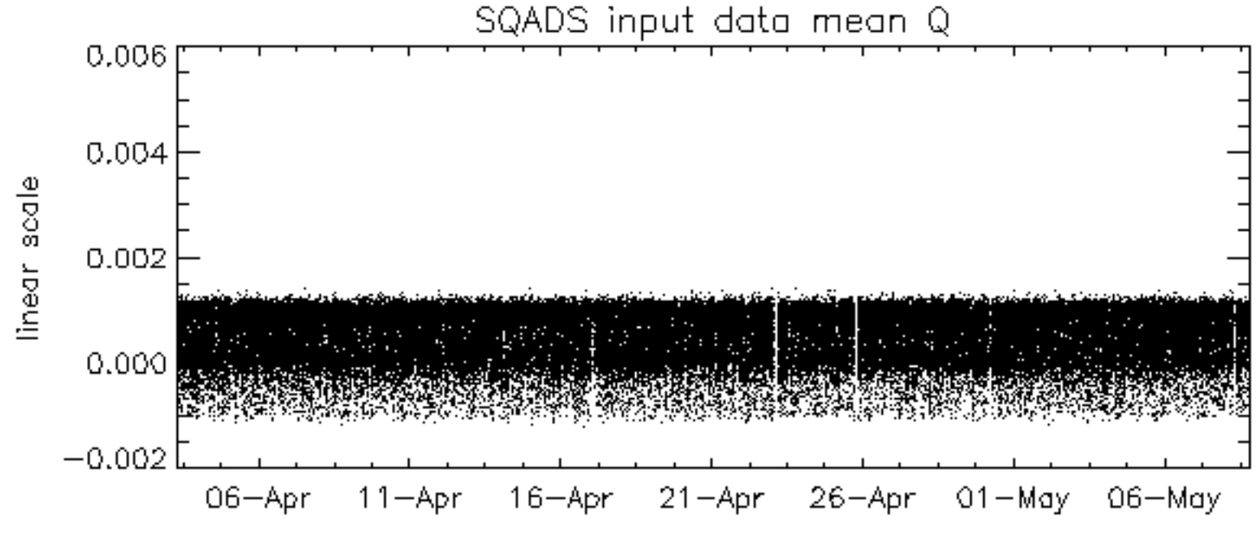

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-07 18:05:13 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

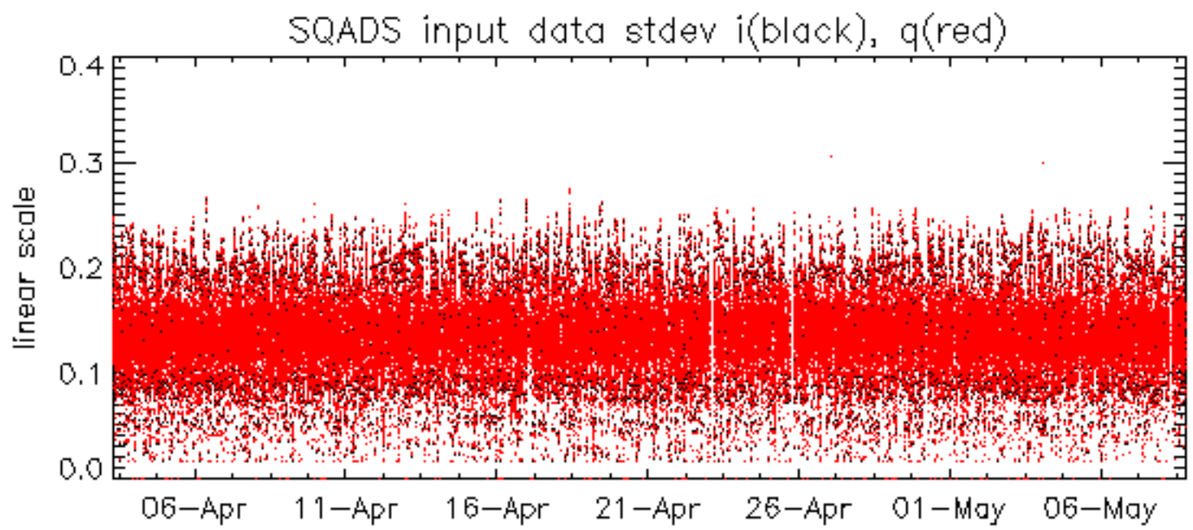

Reference: 2005-09-23 05:55:14 V
Test : 2007-05-07 18:05:13 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

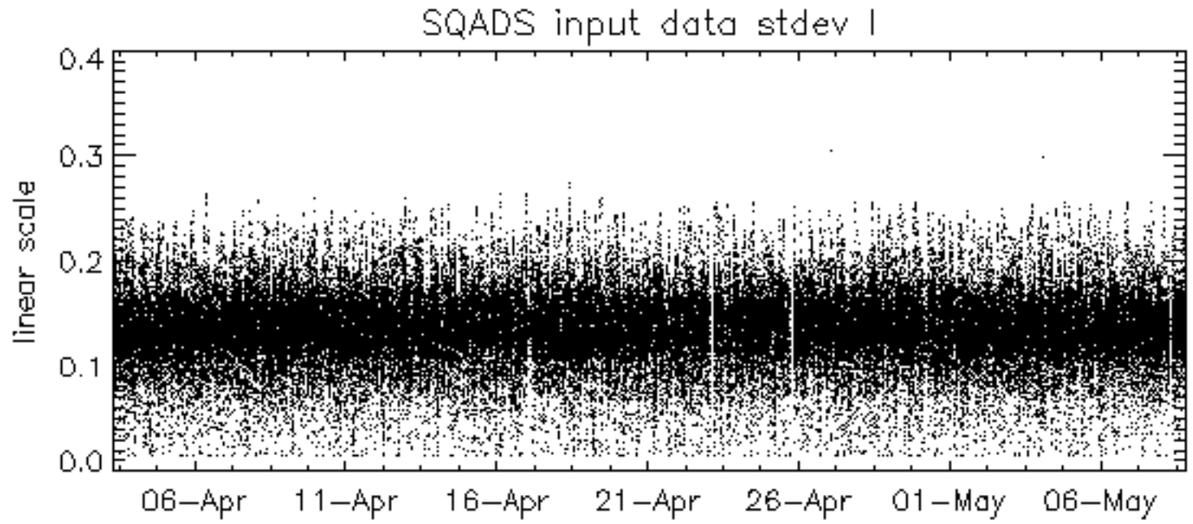

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

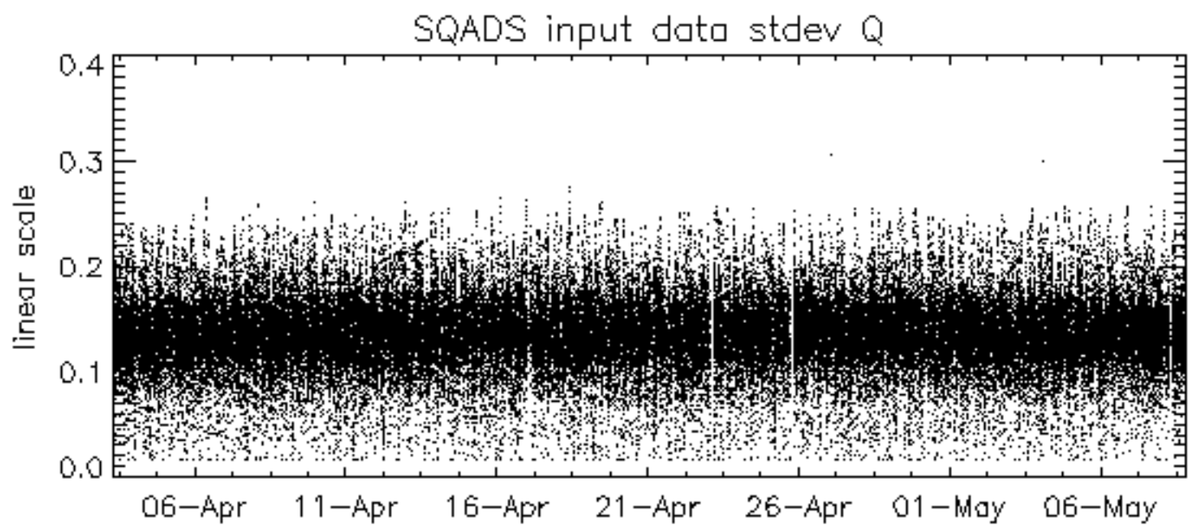

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May

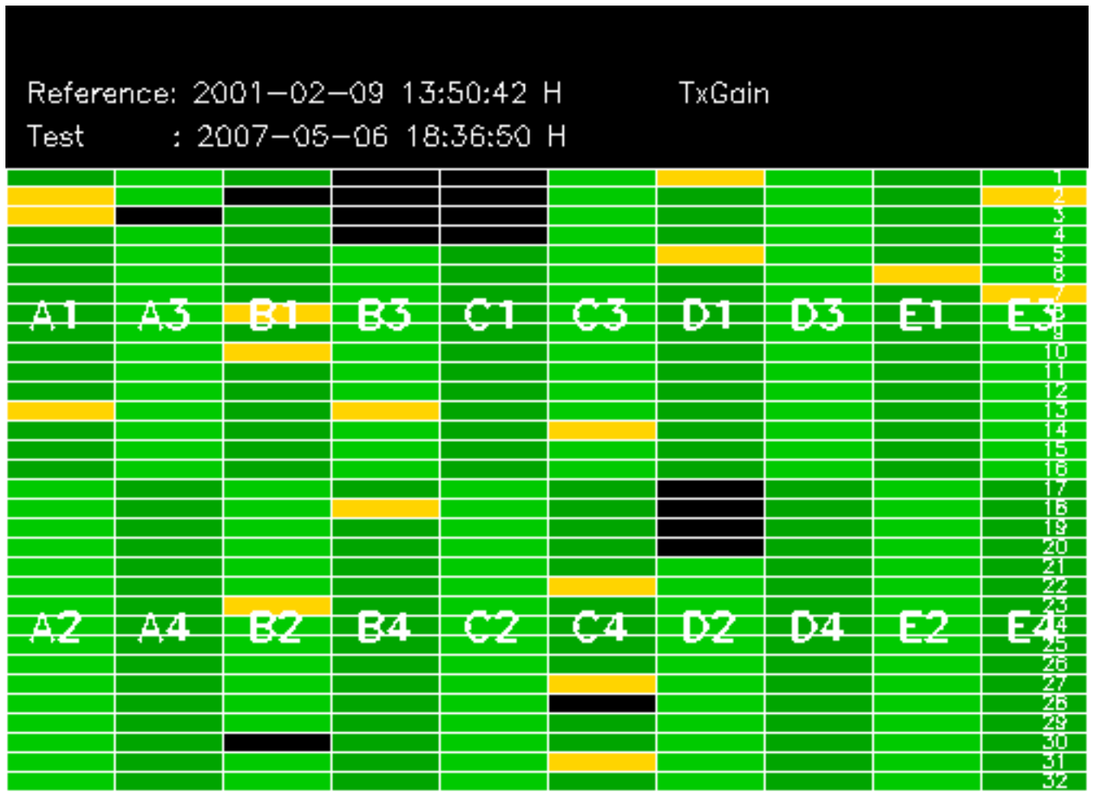

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May


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 : 2007-05-06 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
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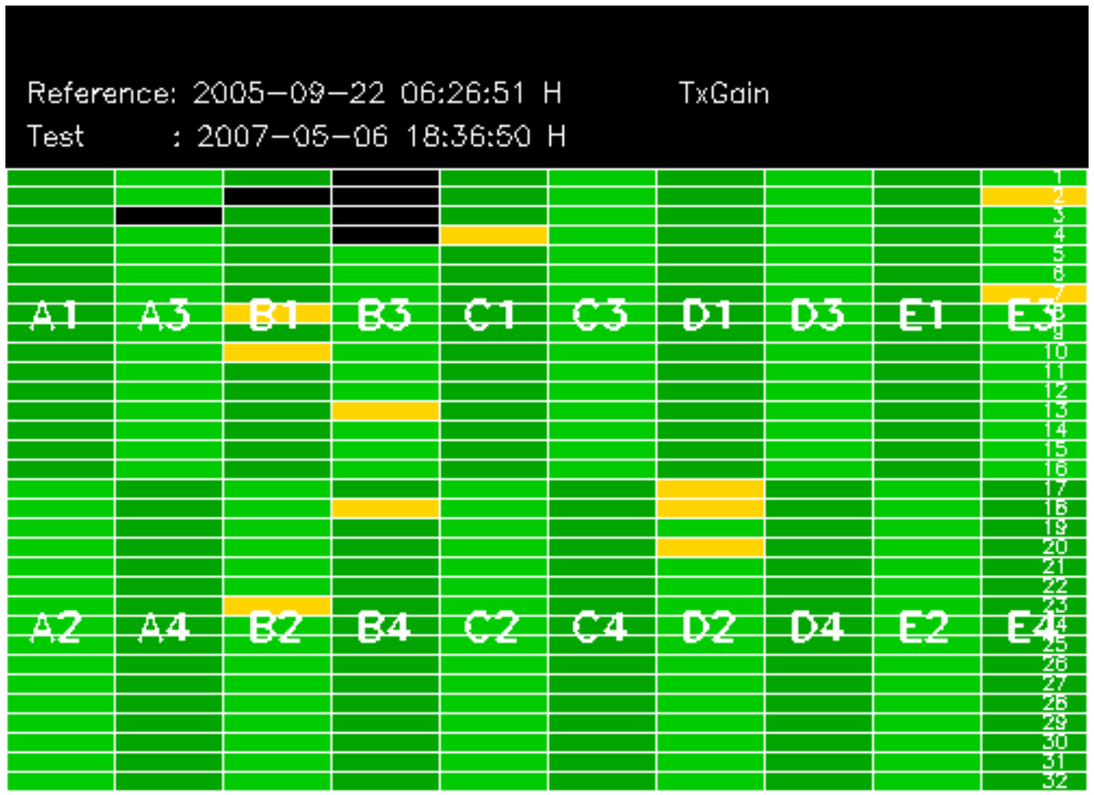
Reference: 2005-09-22 06:26:51 H
Test : 2007-05-06 18:36:50 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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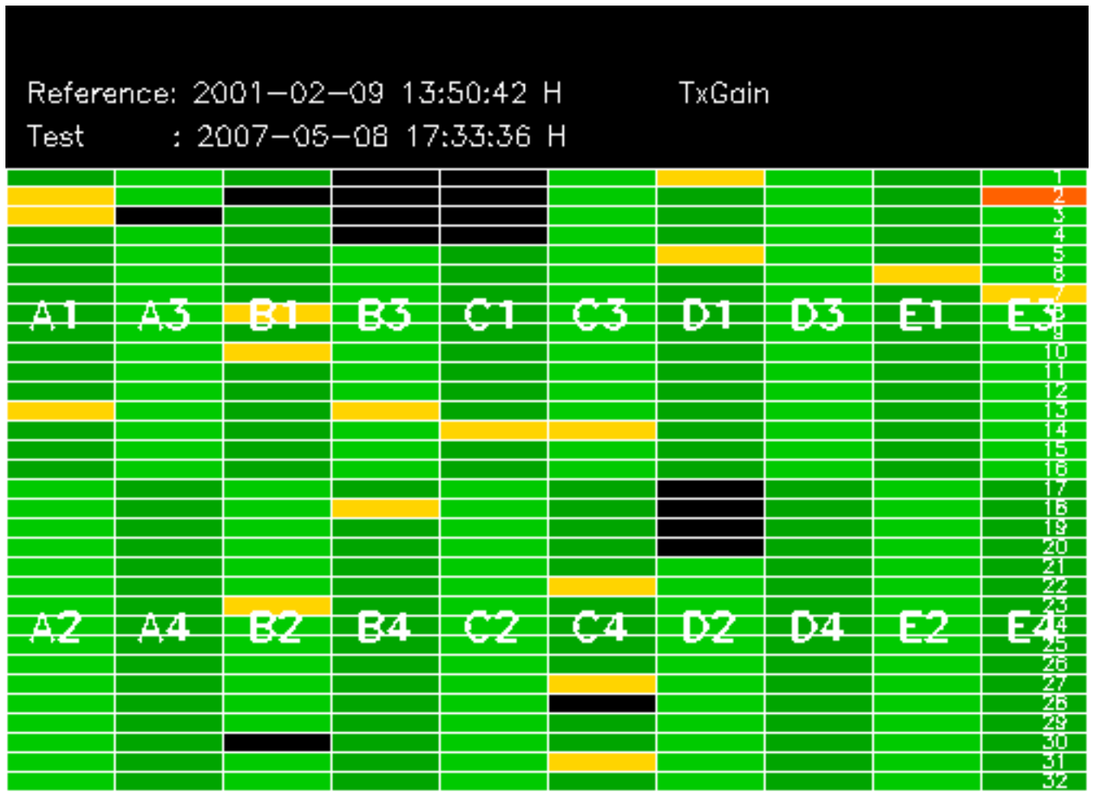
Reference: 2001-02-09 13:50:42 H
Test : 2007-05-08 17:33:36 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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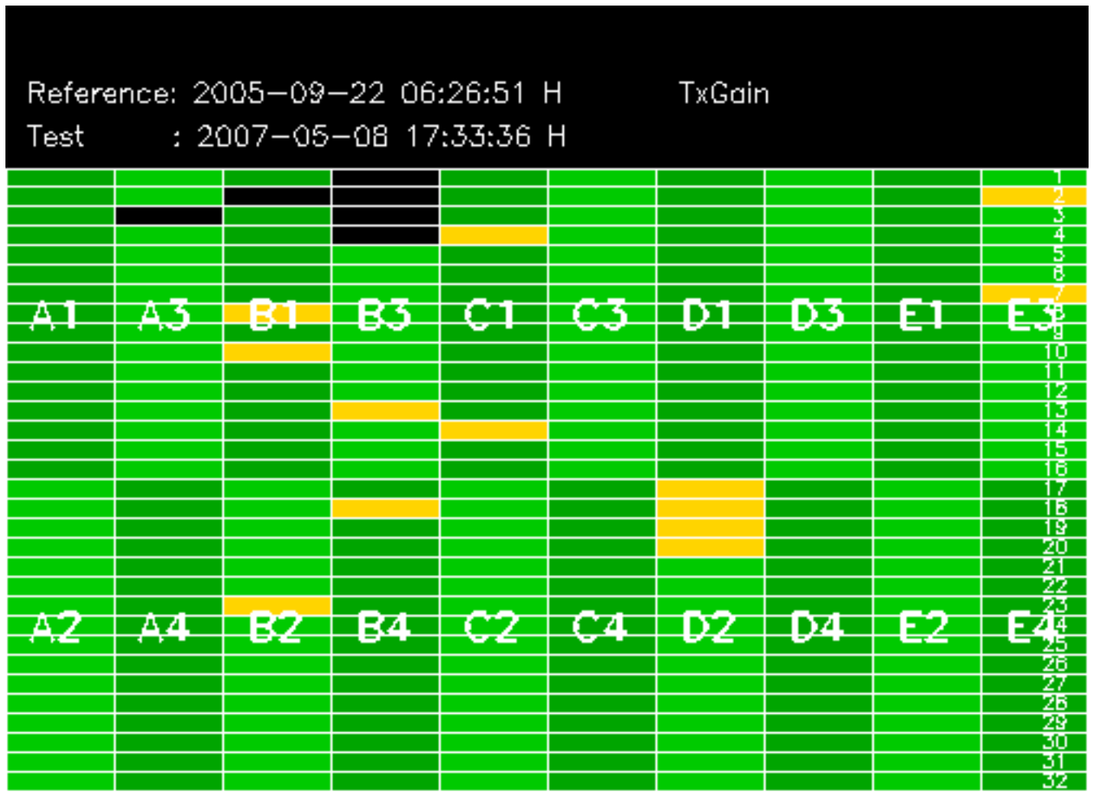
Reference: 2005-09-22 06:26:51 H
Test : 2007-05-08 17:33:36 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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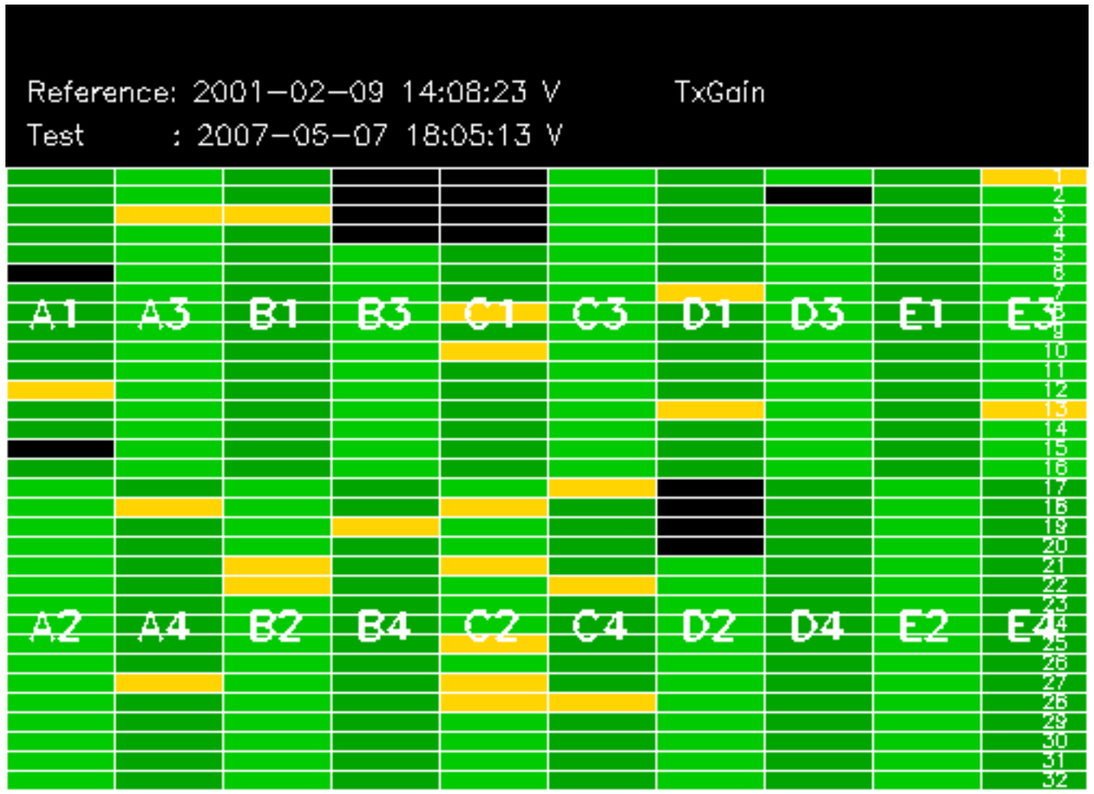
Reference: 2001-02-09 14:08:23 V
Test : 2007-05-07 18:05:13 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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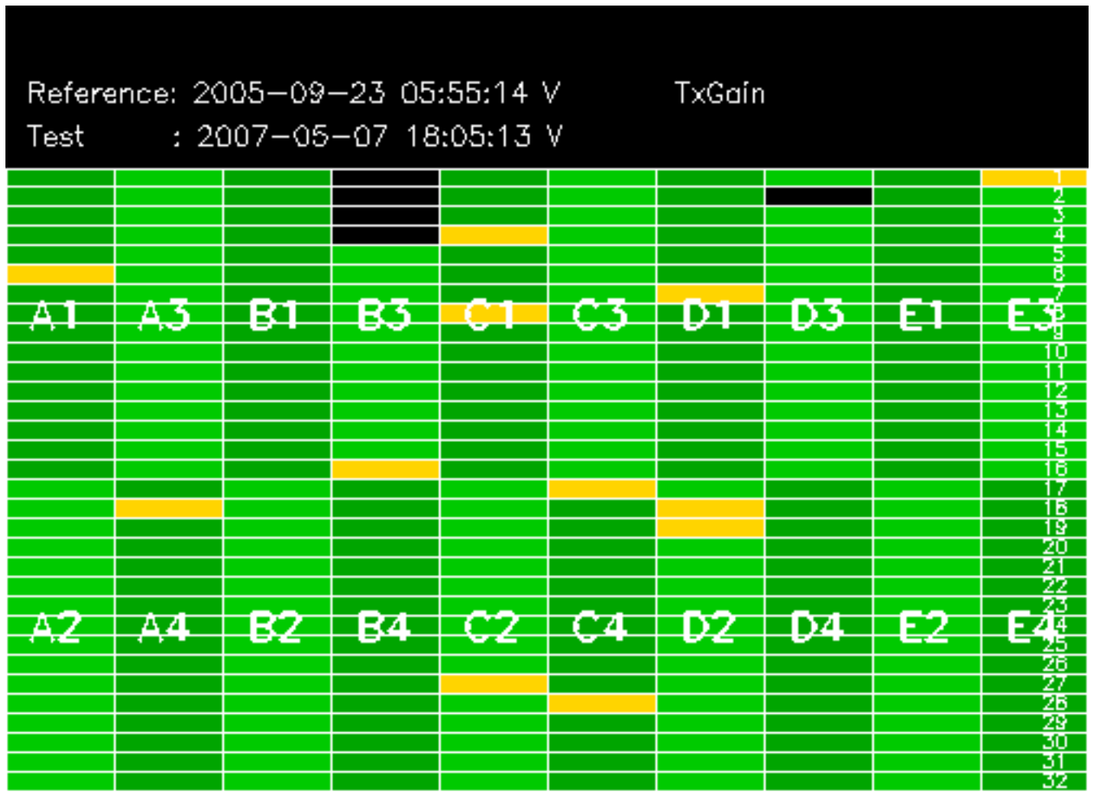
Reference: 2005-09-23 05:55:14 V
Test : 2007-05-07 18:05:13 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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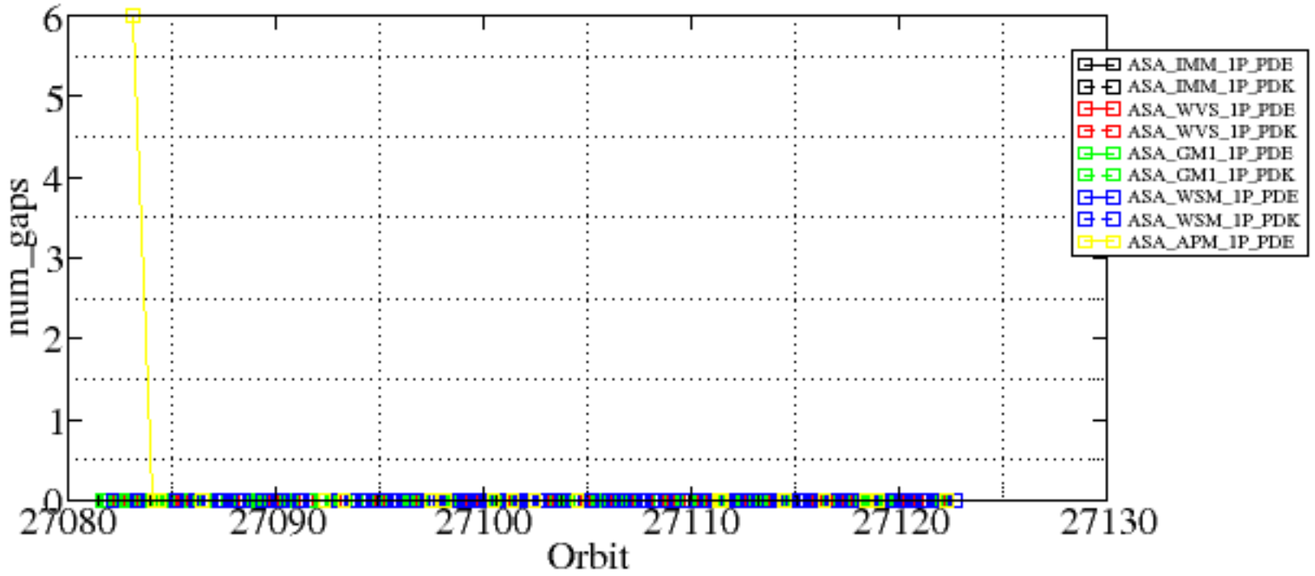
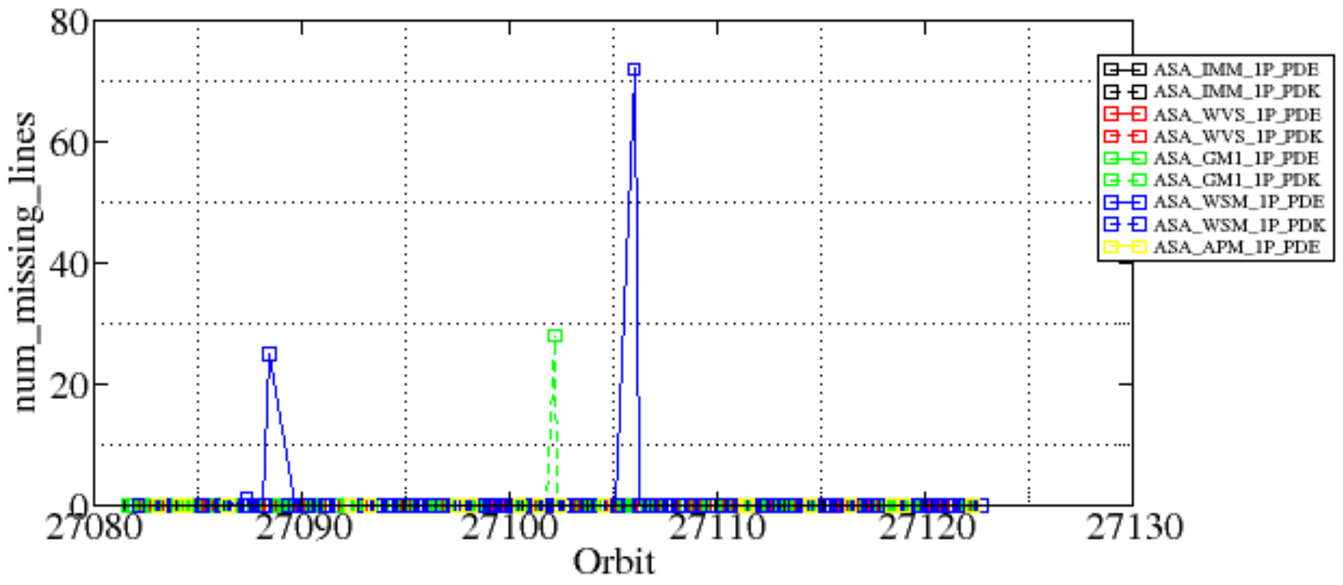
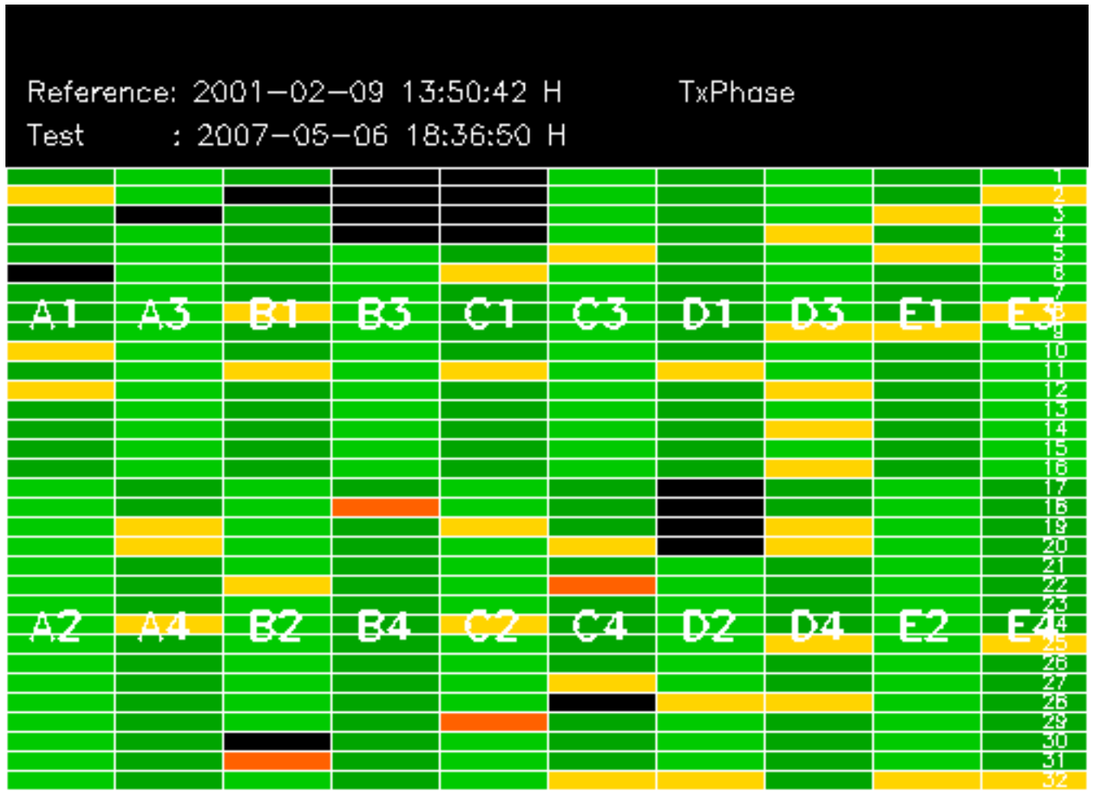
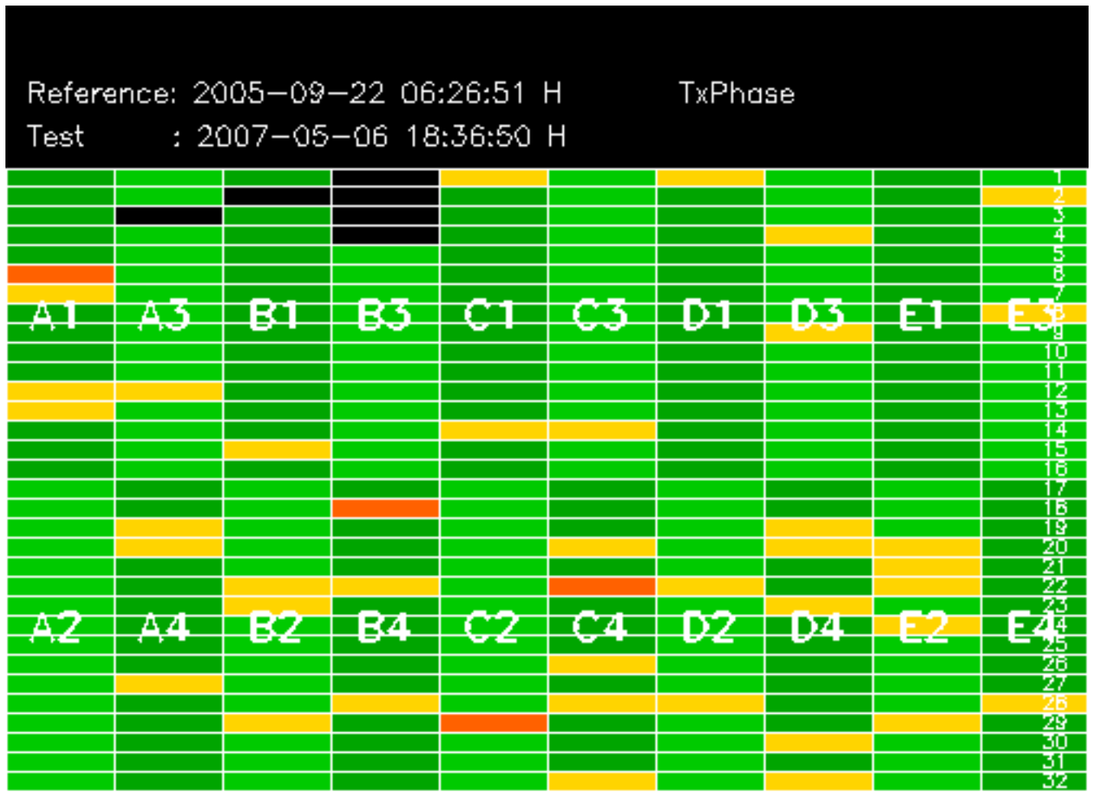
Summary of analysis for the last 3 days 2007050[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

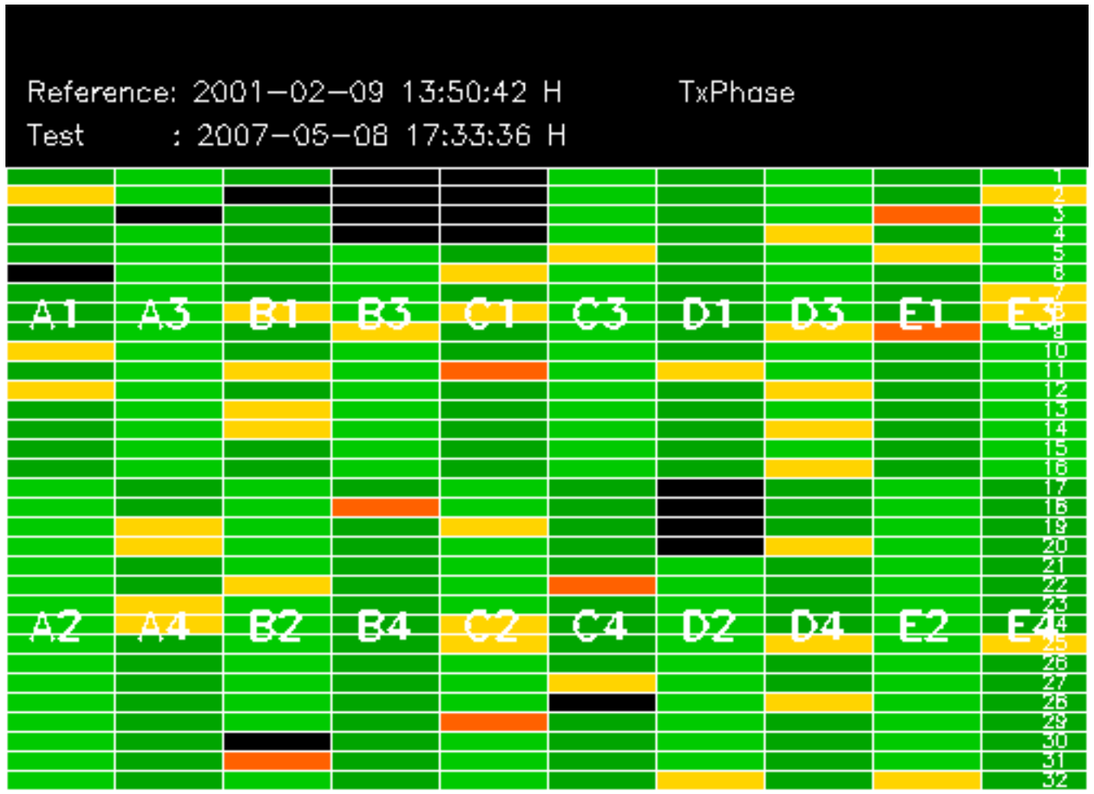
<table border=1>
<tr> <th>Filename</th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20070507_103322_000006402057_00495_27102_9475.N1 </td> <td>0 </td> <td>28 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070506_094328_000000852057_00480_27087_0728.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070506_113212_000001532057_00481_27088_0776.N1 </td> <td>0 </td> <td>25 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070507_165905_000000852057_00499_27106_2177.N1 </td> <td>0 </td> <td>72 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070506_023611_000000422057_00476_27083_0204.N1 </td> <td>6 </td> <td>0 </td></tr>
</table>

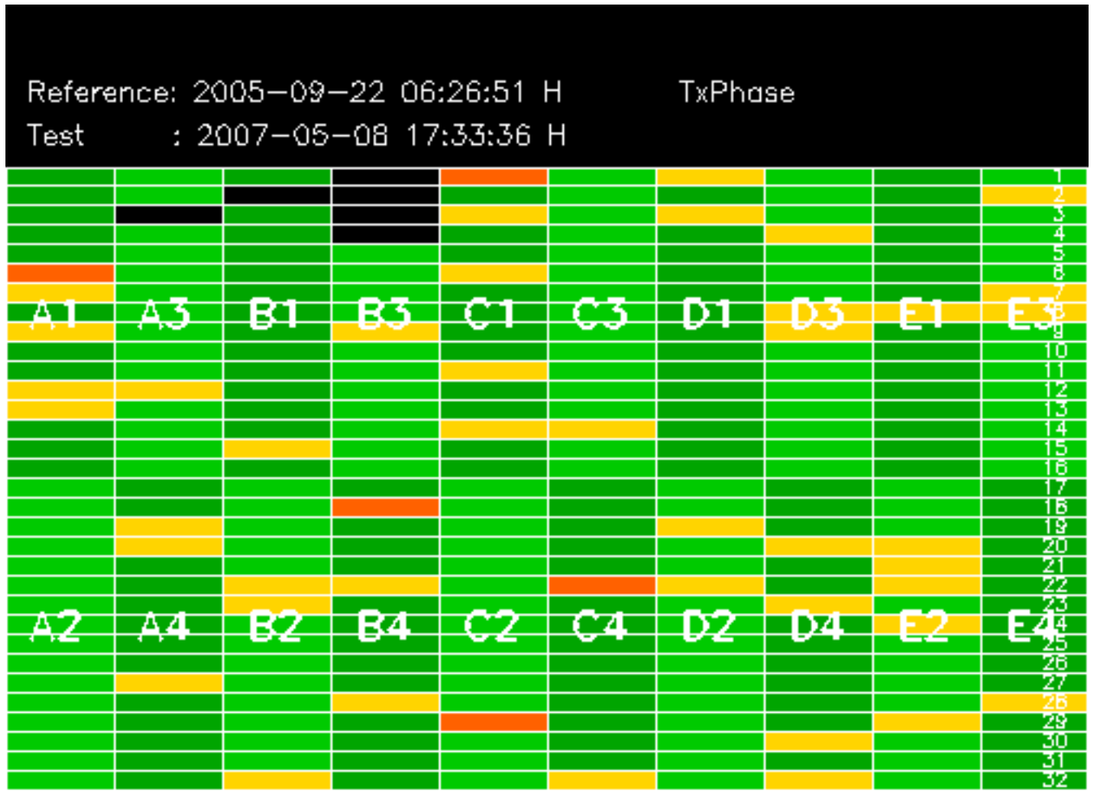

num_gaps
Orbit
0
1
2
3
4
5
6
27080
27090
27100
27110
27120
27130
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
80
60
40
20
0
27080
27090
27100
27110
27120
27130
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


Reference: 2001-02-09 13:50:42 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


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


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-05-08 17:33:36 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
TxPhase
Test : 2007-05-08 17:33:36 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
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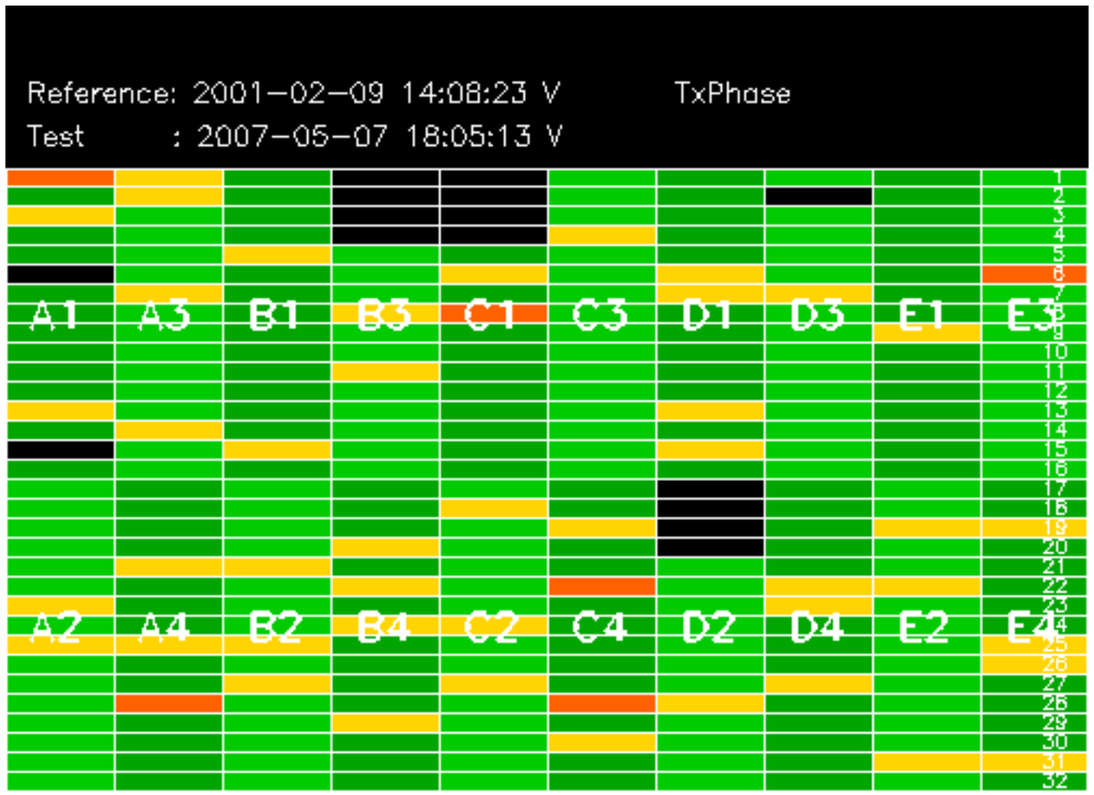
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-05-07 18:05:13 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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14
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29
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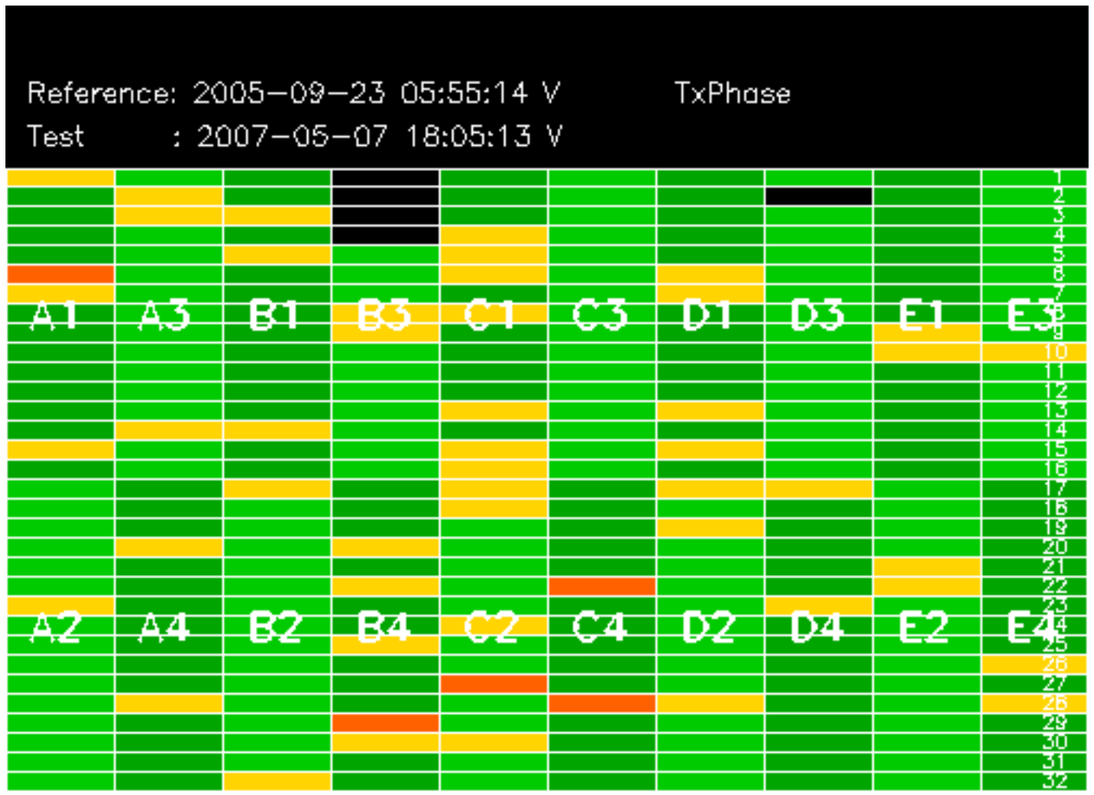
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-07 18:05:13 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
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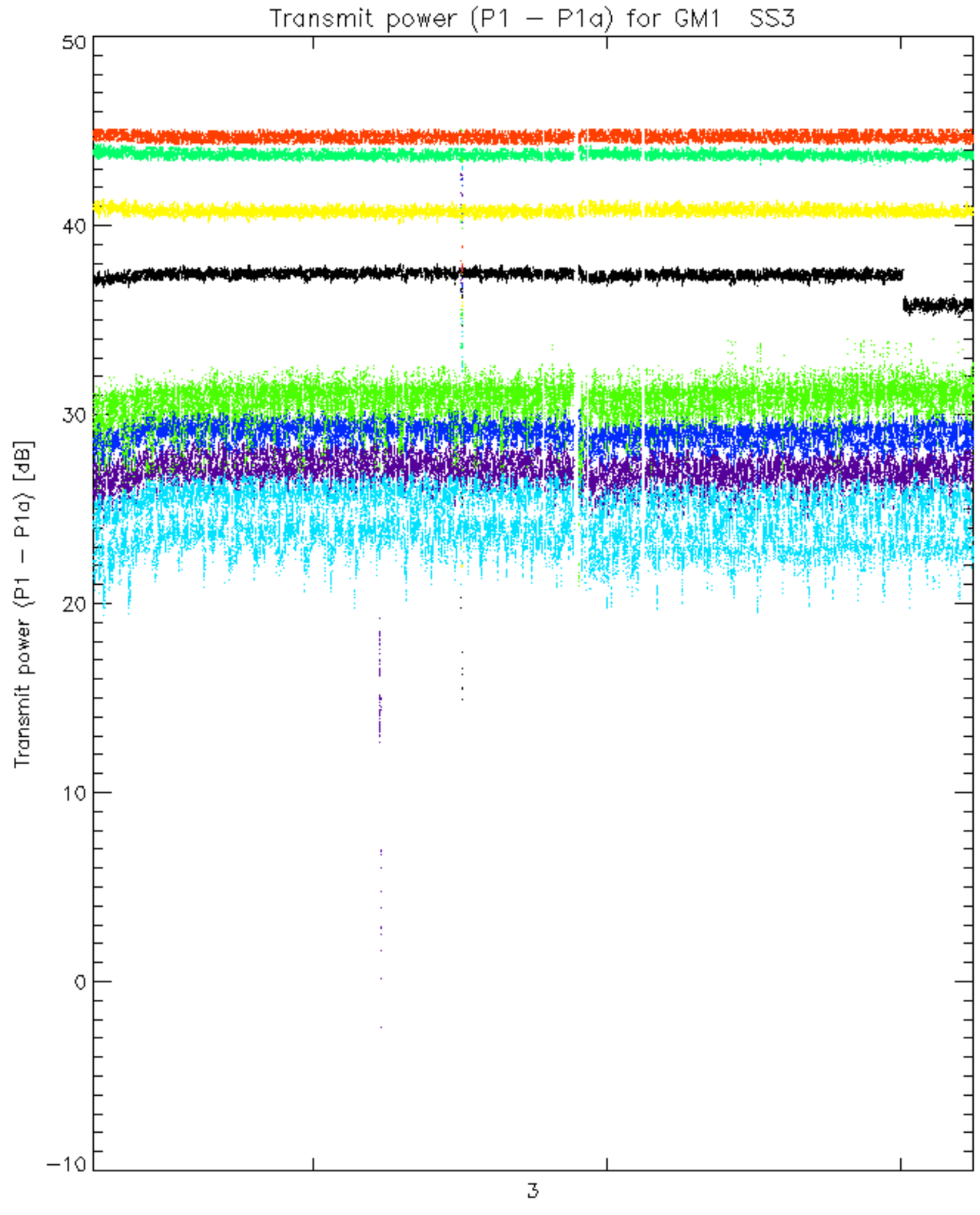
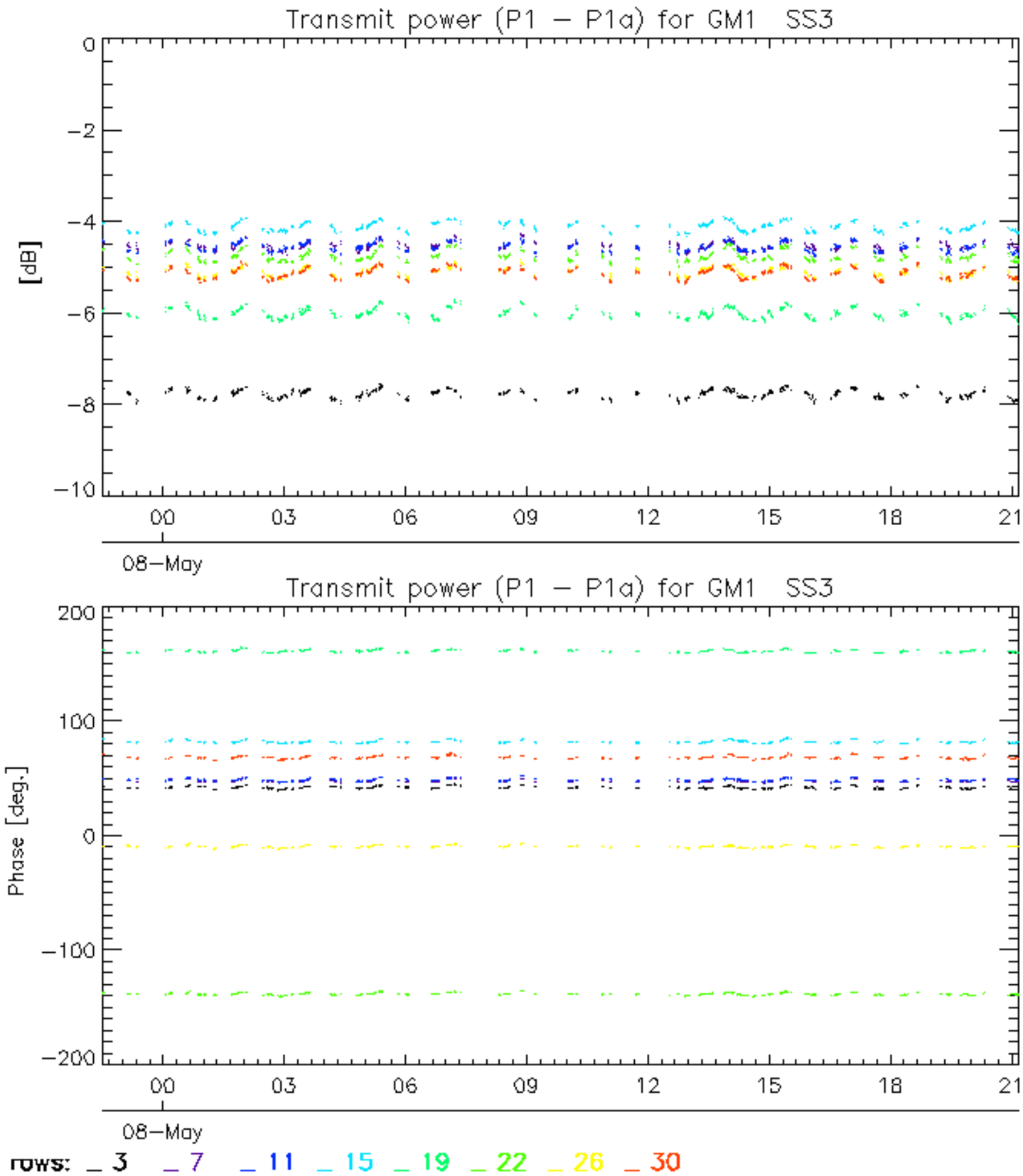
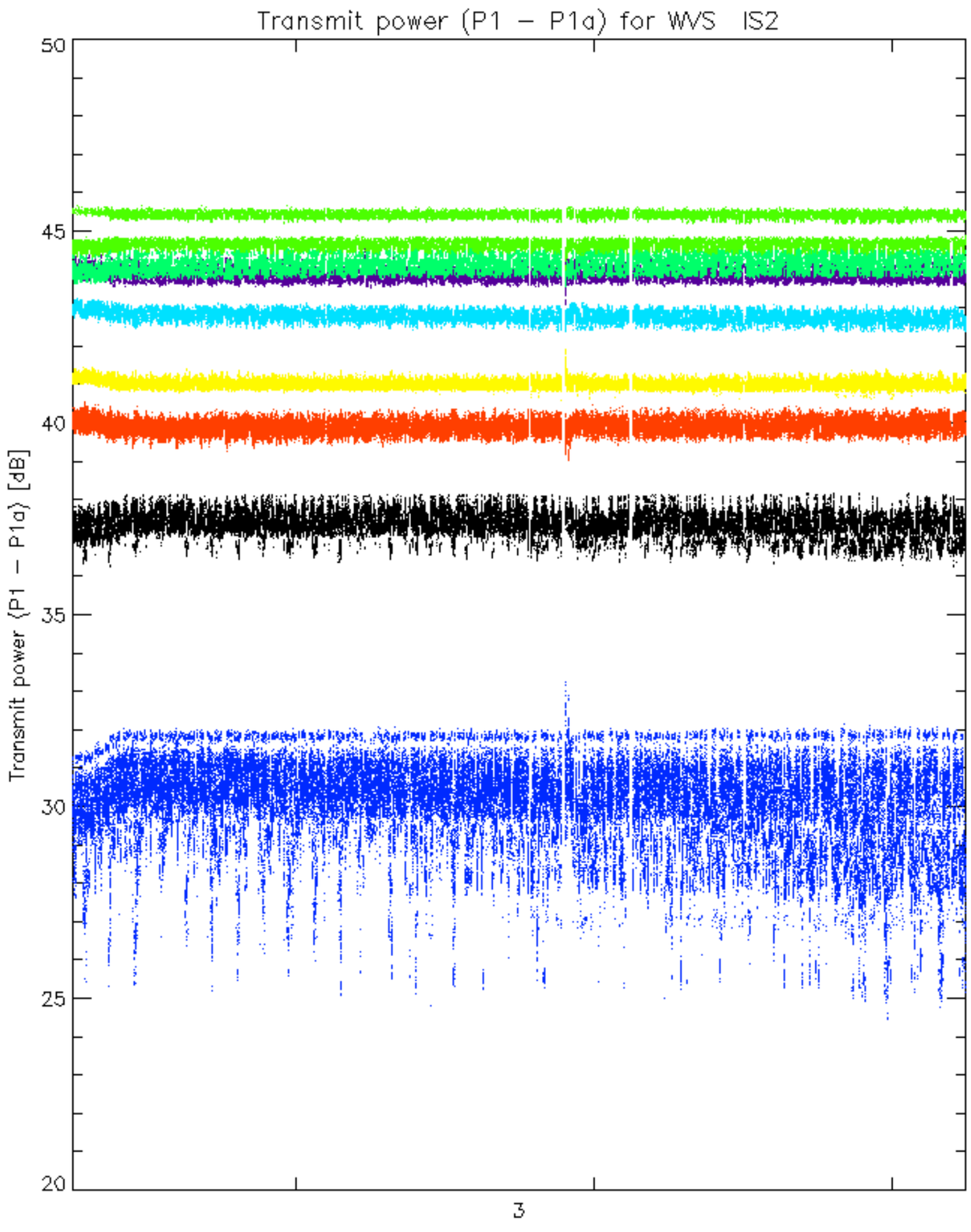
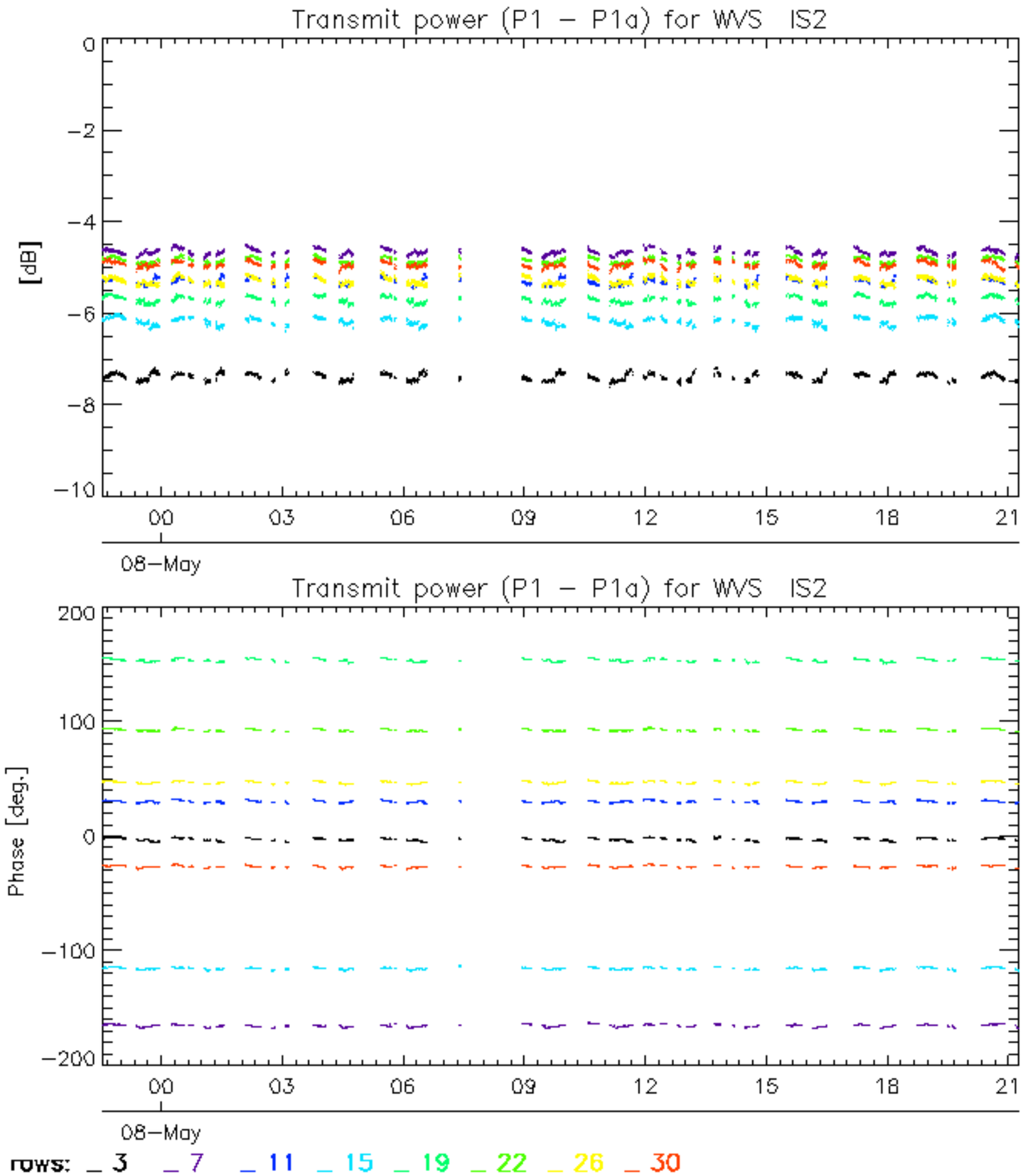

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
3
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
21
08–May
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
00
03
06
09
12
15
18
21
08–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
3
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.