PRELIMINARY REPORT OF 060812

last update on Sat Aug 12 16:37:18 GMT 2006

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 2006-08-11 00:00:00 to 2006-08-12 16:37:18

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	38	67	8	11	0
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	38	67	8	11	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	38	67	8	11	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	67	8	11	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	36	50	24	19	67
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	36	50	24	19	67
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	36	50	24	19	67
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	50	24	19	67

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	20060812 064406
H	20060811 071543

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
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☒

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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☒

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)

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.941148	0.010305	-0.012657
7	P1	-3.111852	0.048775	-0.046311
11	P1	-4.099386	0.062102	-0.069743
15	P1	-6.198002	0.092073	-0.109953
19	P1	-3.425690	0.009928	-0.069156
22	P1	-4.557643	0.010072	-0.026180
26	P1	-3.922727	0.019954	0.007082
30	P1	-5.764168	0.009668	-0.007102
3	P1	-16.534338	0.250388	-0.023151
7	P1	-17.182720	0.130385	0.060050
11	P1	-16.941481	0.285304	0.179082
15	P1	-13.049218	0.177224	0.224870
19	P1	-14.486323	0.053837	-0.049717
22	P1	-15.971789	0.435544	0.152993
26	P1	-15.120115	0.229990	-0.039553
30	P1	-17.089405	0.337752	0.113363

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.926836	0.086316	0.111968
7	P2	-21.882433	0.103060	0.081990
11	P2	-15.775367	0.119259	0.036670
15	P2	-7.119047	0.098473	0.026478
19	P2	-9.127099	0.090371	0.024461
22	P2	-18.147419	0.086056	0.006934
26	P2	-16.401121	0.092276	0.008096
30	P2	-19.503918	0.091834	0.046364

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.172819	0.003187	0.003320
7	P3	-8.172819	0.003187	0.003320
11	P3	-8.172819	0.003187	0.003320
15	P3	-8.172819	0.003187	0.003320
19	P3	-8.172819	0.003187	0.003320
22	P3	-8.172819	0.003187	0.003320
26	P3	-8.172819	0.003187	0.003320
30	P3	-8.172819	0.003187	0.003320

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

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

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.824616	0.008840	-0.010035
7	P1	-2.589351	0.125117	-0.147715
11	P1	-2.886758	0.124161	-0.153945
15	P1	-3.616995	0.140747	-0.189801
19	P1	-3.425472	0.023816	-0.004269
22	P1	-5.084565	0.019433	0.001912
26	P1	-5.862652	0.015995	-0.011598
30	P1	-5.195720	0.033367	0.010721
3	P1	-11.620102	0.043239	-0.008643
7	P1	-9.972748	0.047146	-0.044431
11	P1	-10.261806	0.061655	-0.082268
15	P1	-10.761352	0.145085	-0.041933
19	P1	-15.556345	0.499152	0.017441
22	P1	-20.919302	1.303920	0.003219
26	P1	-16.222628	0.388971	0.206244
30	P1	-17.959833	0.412439	-0.118634

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.546585	0.072384	0.173387
7	P2	-22.342541	0.116489	0.136123
11	P2	-11.013104	0.041221	0.096519
15	P2	-4.896714	0.044151	0.036633
19	P2	-6.863912	0.039605	0.026327
22	P2	-8.189675	0.034600	0.008812
26	P2	-24.177971	0.059443	0.010901
30	P2	-21.993814	0.047424	0.044888

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.011080	0.003714	0.003297
7	P3	-8.010992	0.003712	0.003269
11	P3	-8.011059	0.003713	0.002721
15	P3	-8.011086	0.003712	0.002961
19	P3	-8.010978	0.003722	0.003174
22	P3	-8.011138	0.003705	0.003075
26	P3	-8.011031	0.003704	0.003019
30	P3	-8.011041	0.003718	0.003015

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	0.000562372
	stdev	1.70782e-07
MEAN Q	mean	0.000536324
	stdev	2.14168e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137595
	stdev	0.00107625
STDEV Q	mean	0.137950
	stdev	0.00109336

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006081[012]
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_1PNPDK20060810_101808_000007182050_00137_23237_2553.N1	0	15
ASA_WSM_1PNPDE20060811_001402_000000862050_00145_23245_7073.N1	0	35
ASA_WSM_1PNPDE20060811_015537_000002082050_00146_23246_7082.N1	0	41
ASA_WSM_1PNPDE20060811_161601_000001642050_00155_23255_7191.N1	0	39
ASA_APM_1PNPDE20060811_143629_000000852050_00154_23254_1573.N1	0	10

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)

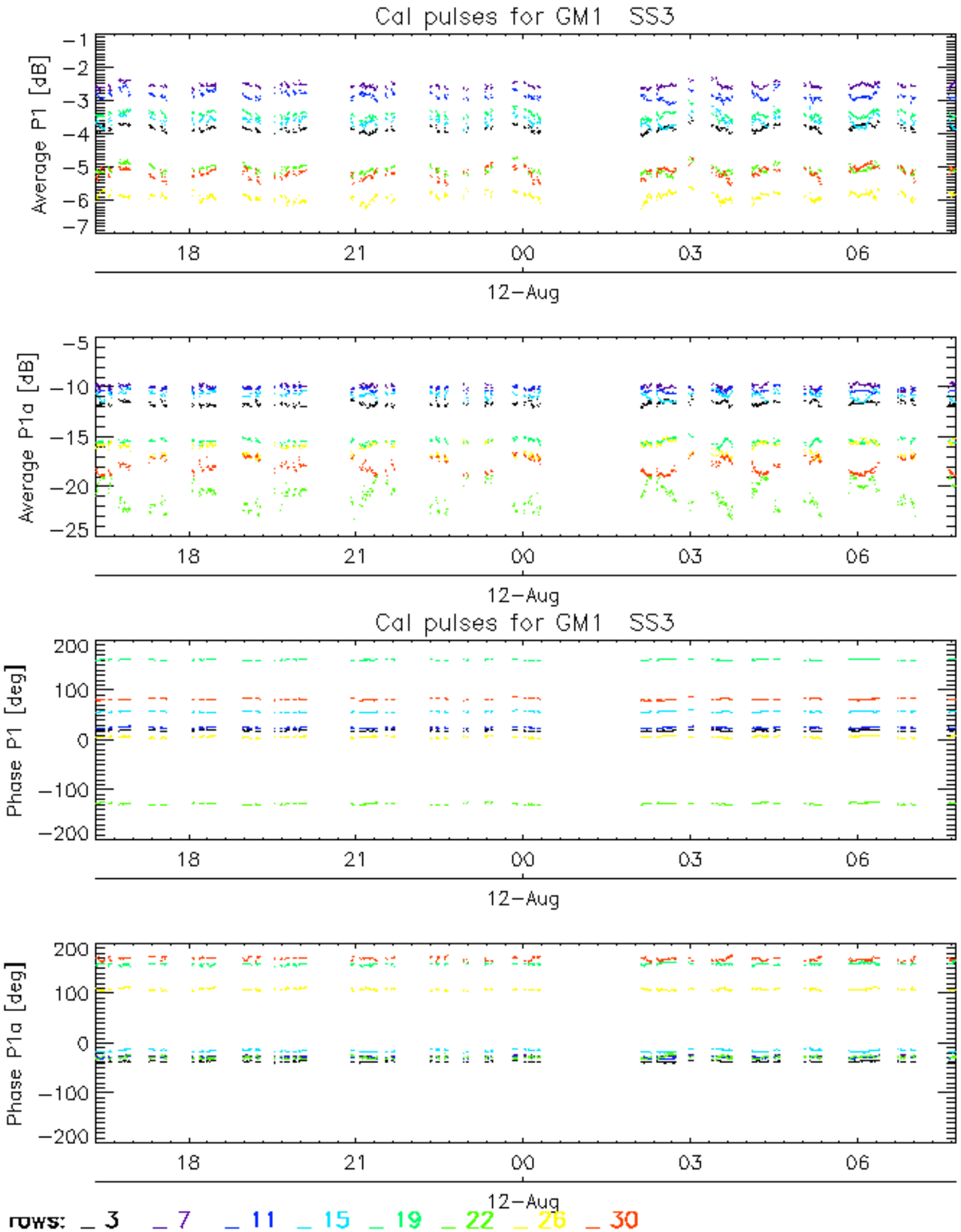

Acsending
☒
Descending

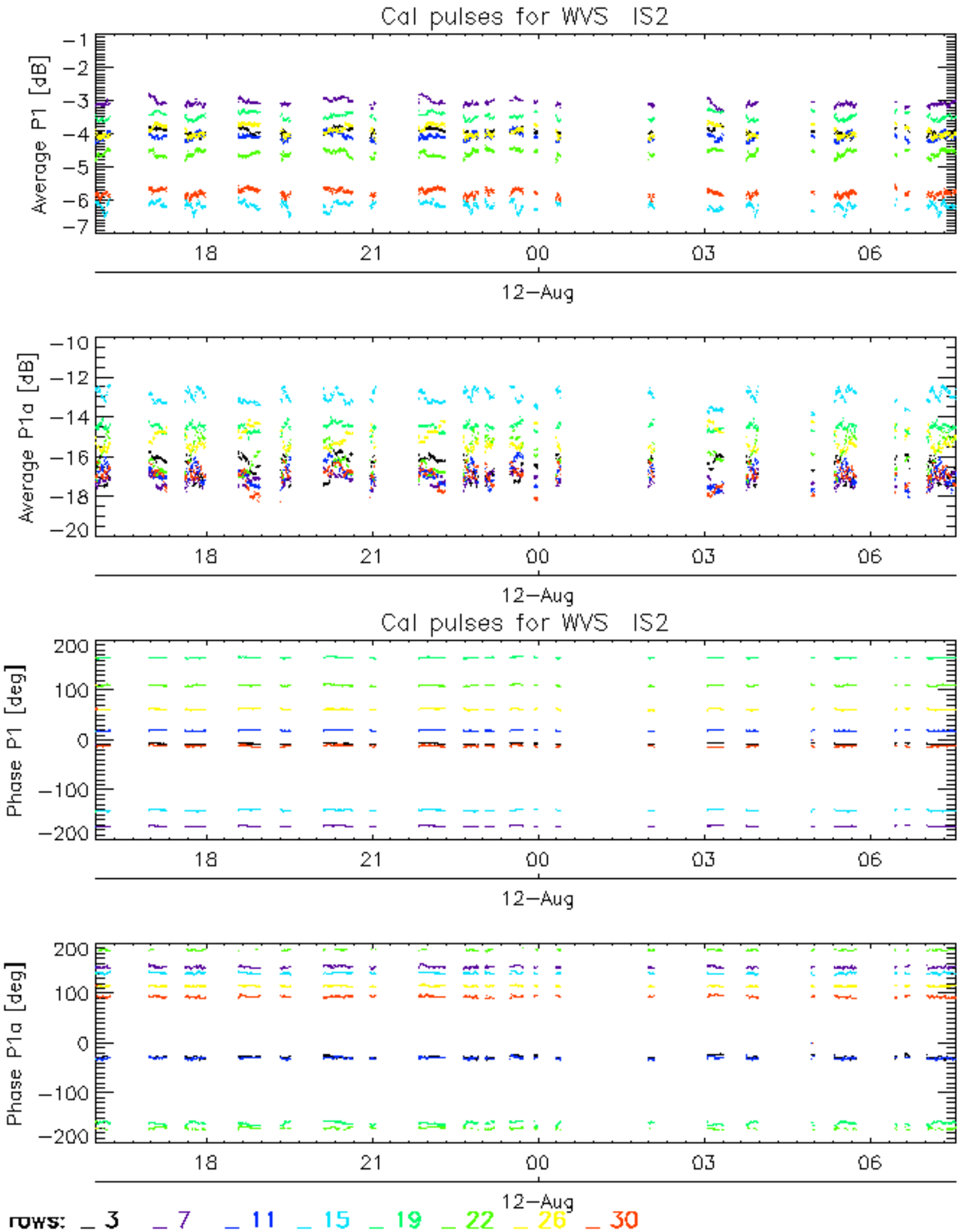
7.5 - Absolute Doppler for GM1

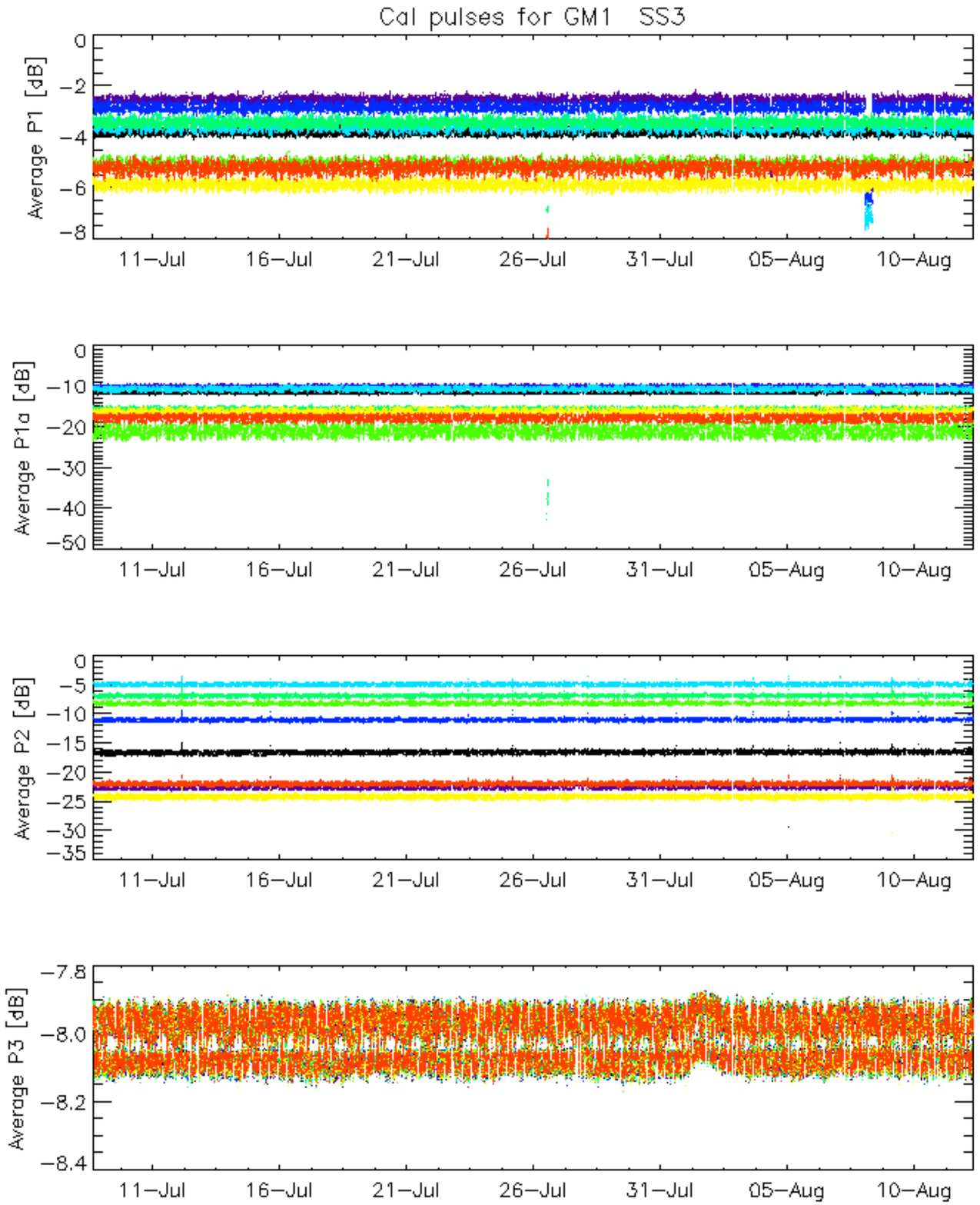
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

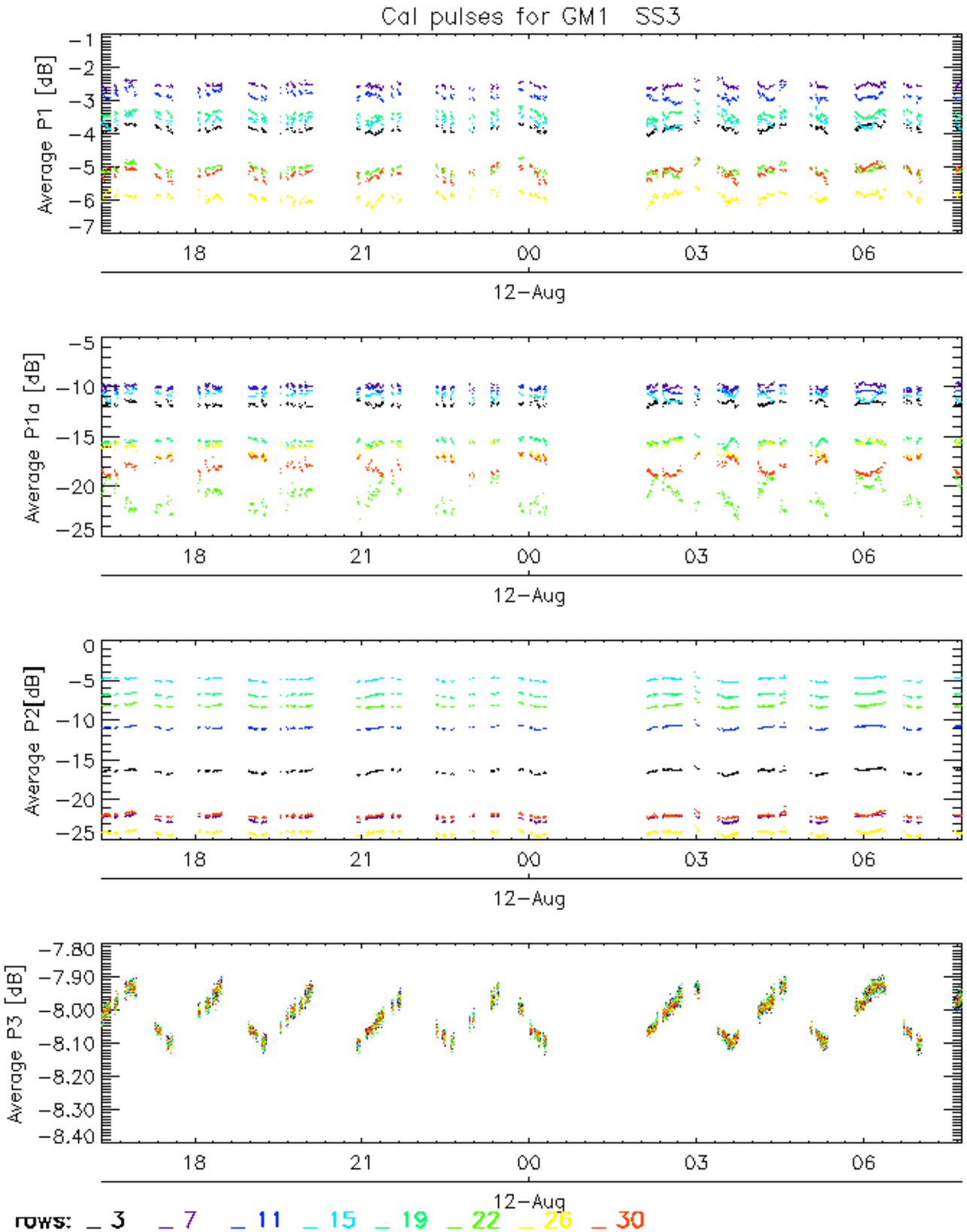
7.6 - Doppler evolution versus ANX for GM1

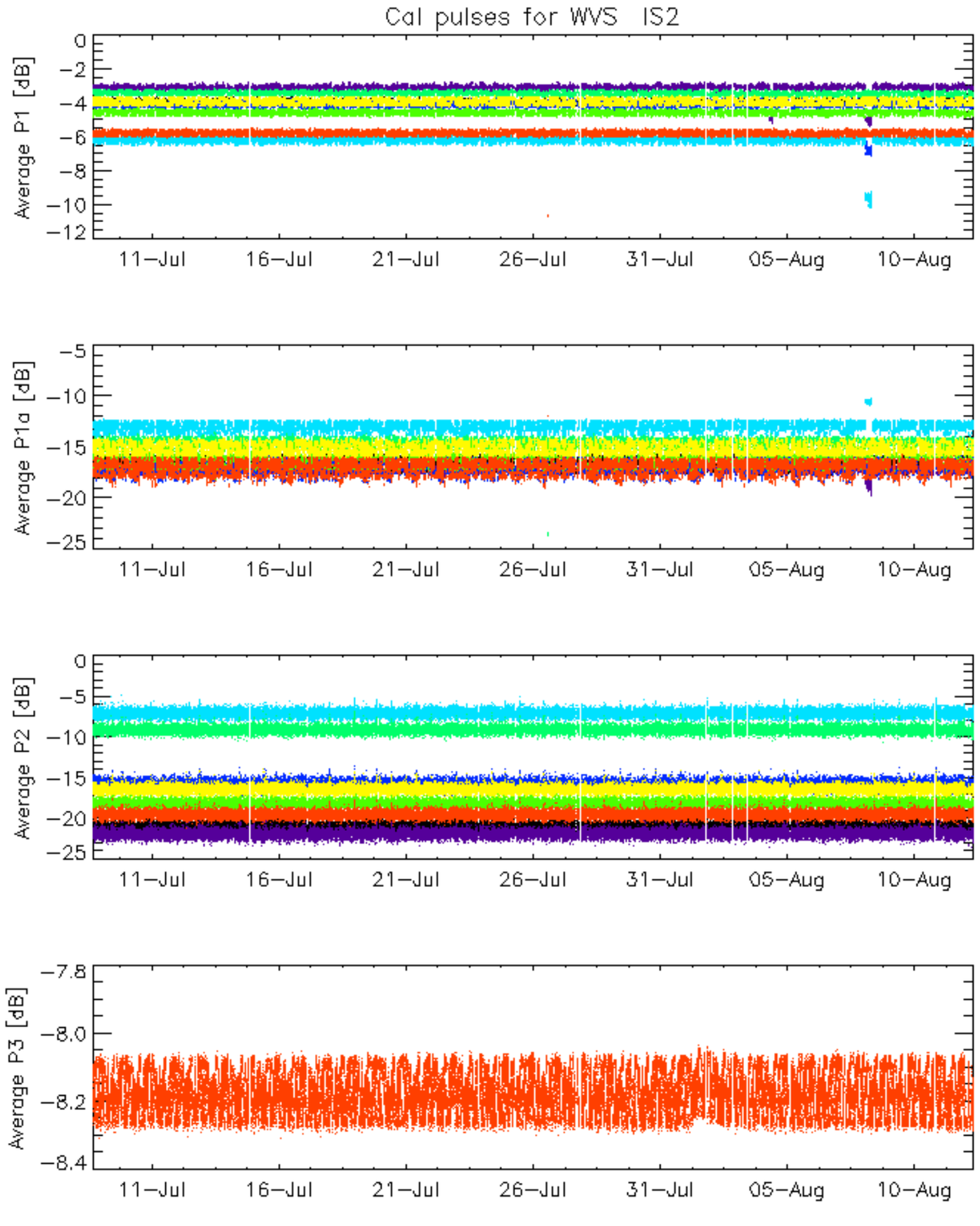
Evolution Doppler error versus ANX
☒

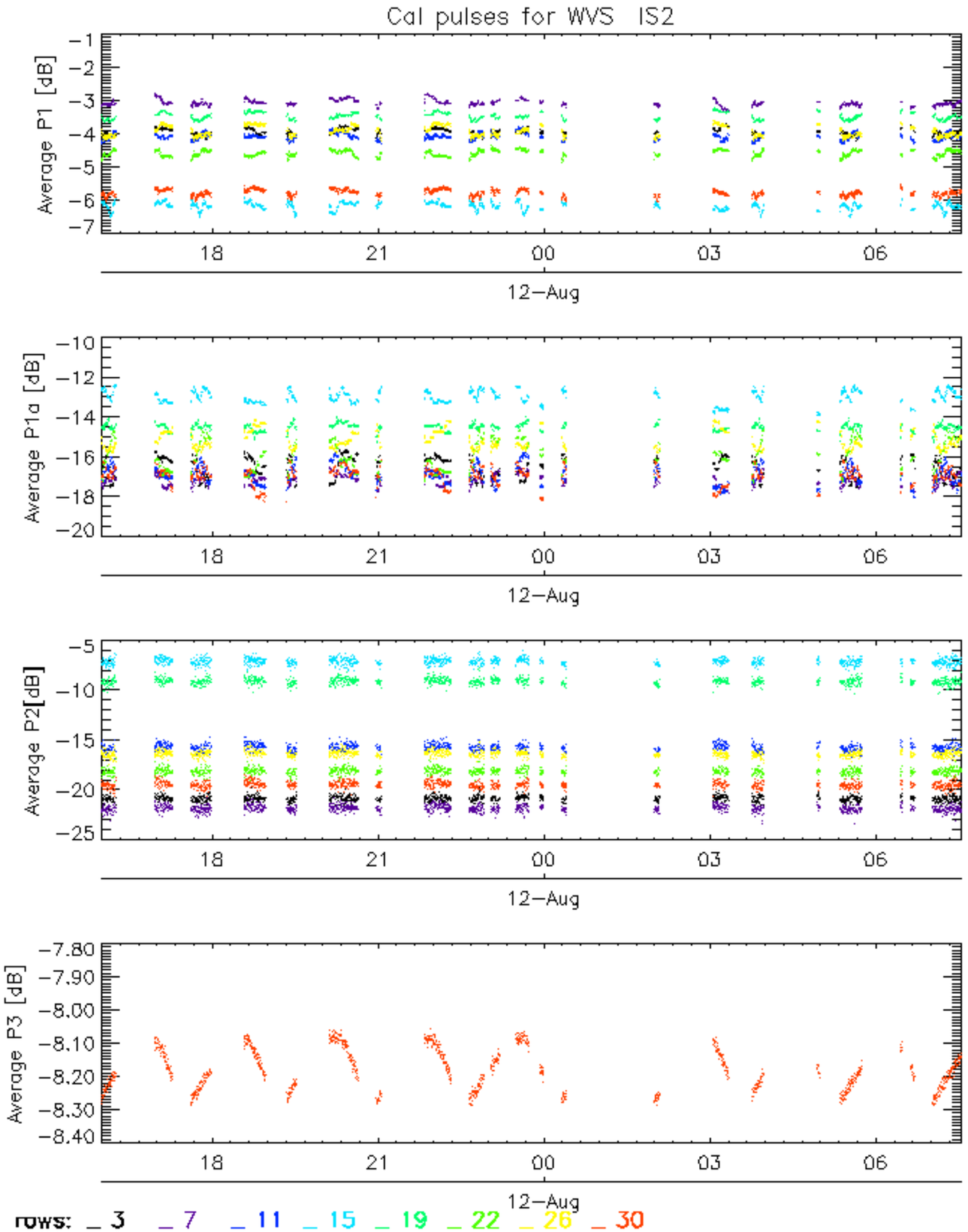

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Aug
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Aug
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Aug
rows: 3 7 11 15 19 22 26 30


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

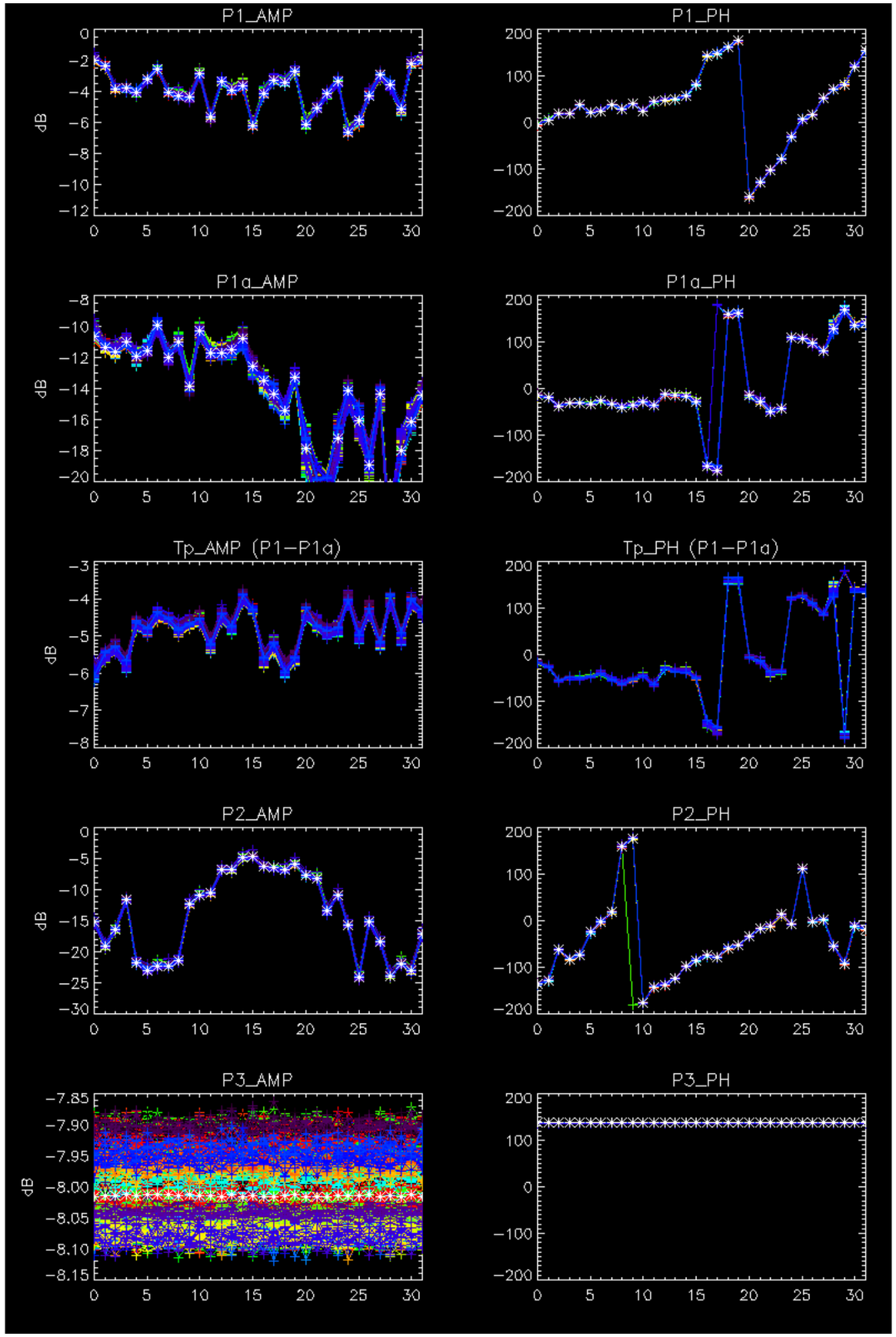

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
11−Jul
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
−35
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

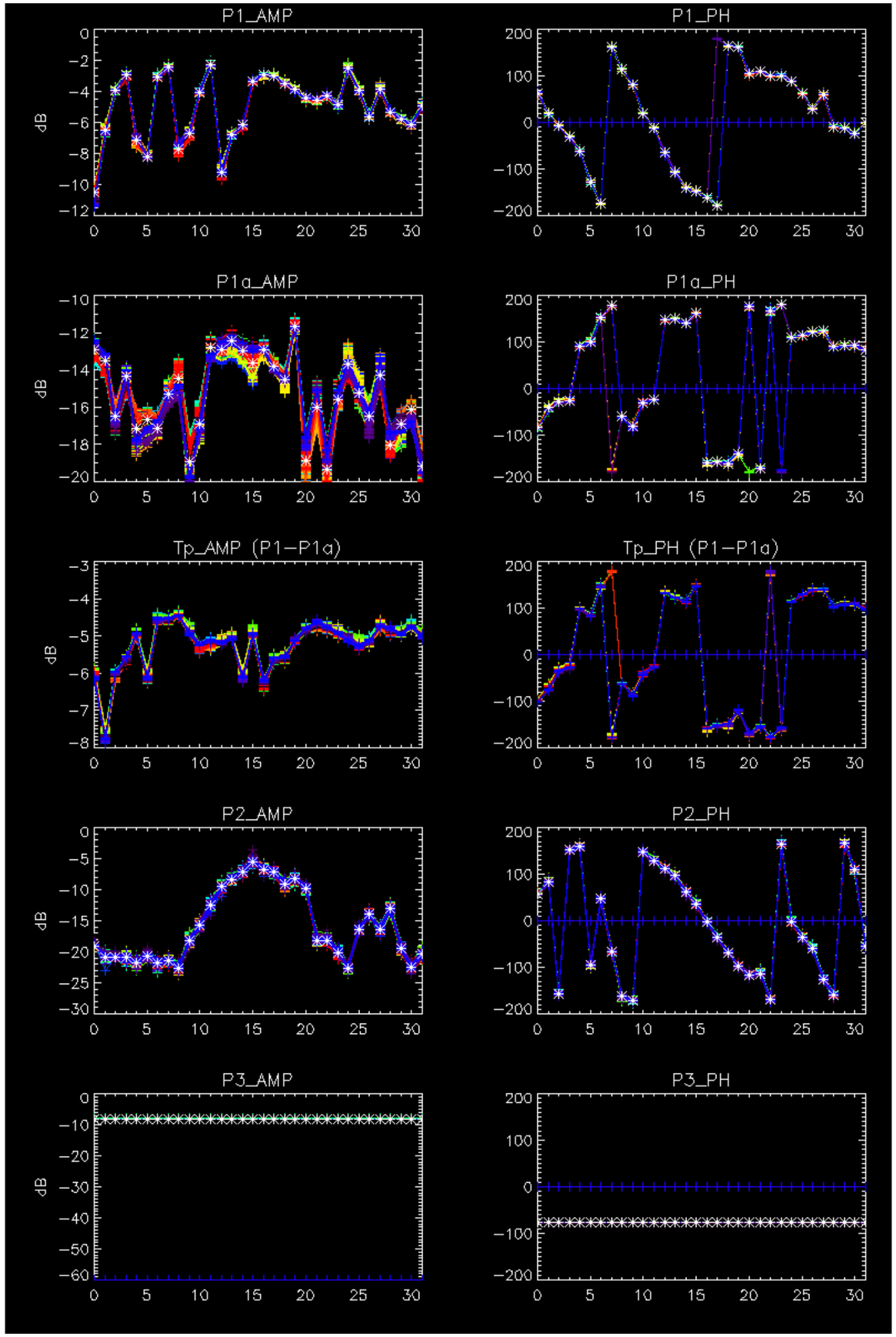

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Aug
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
12−Aug
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
12−Aug
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
11−Jul
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
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
18
21
00
03
06
12−Aug
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
12−Aug
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Aug
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
12−Aug
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

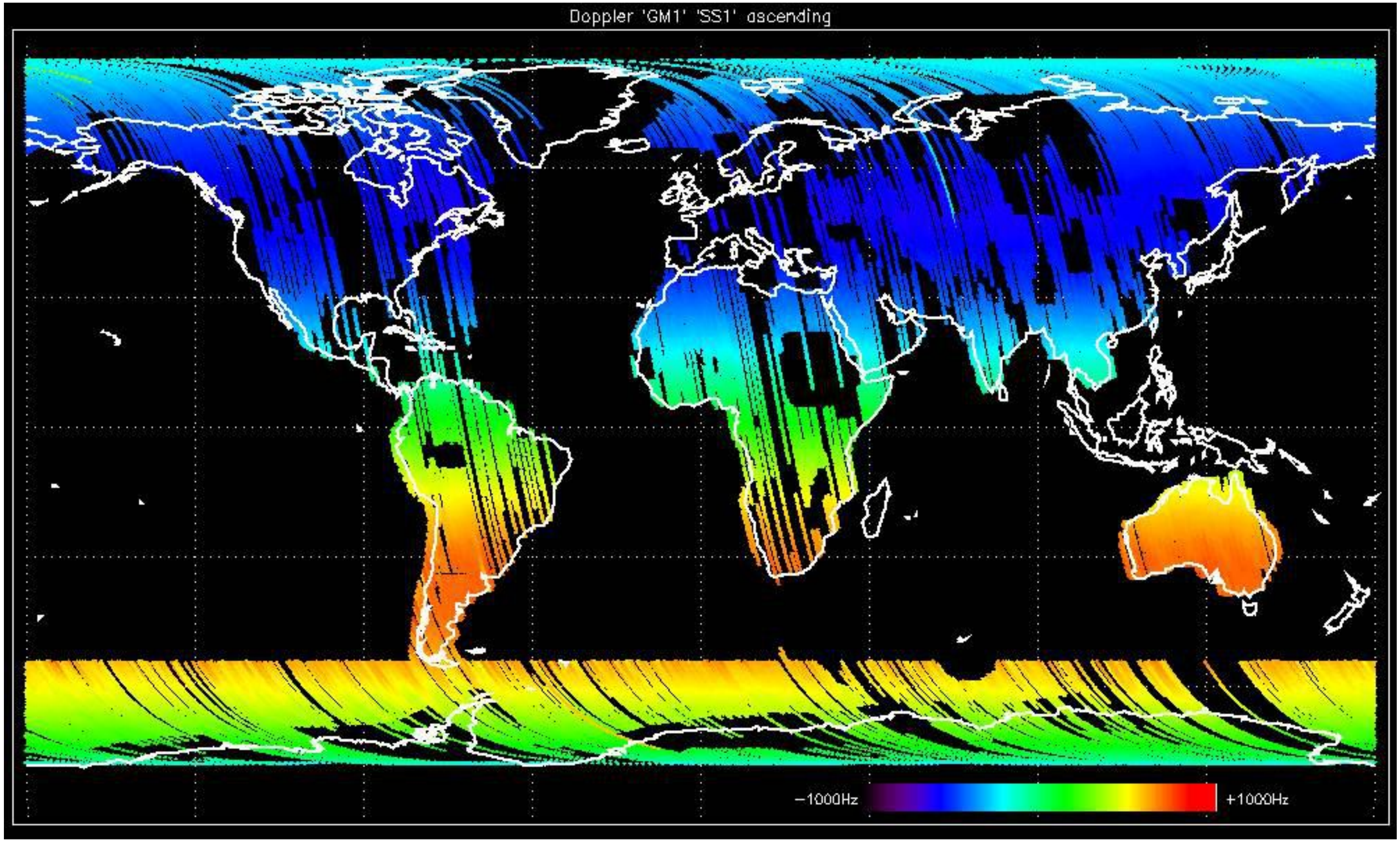
No anomalies observed.

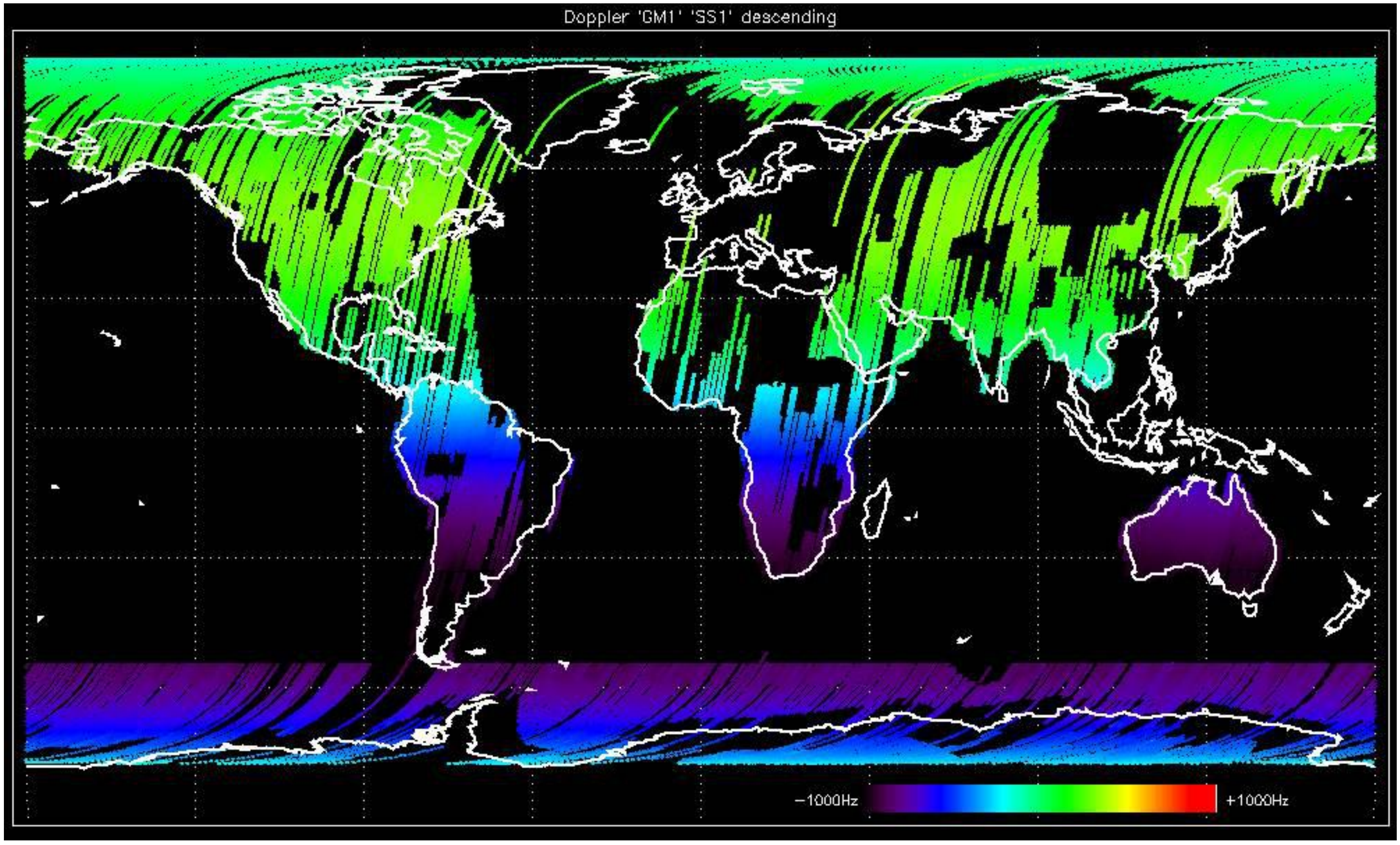

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

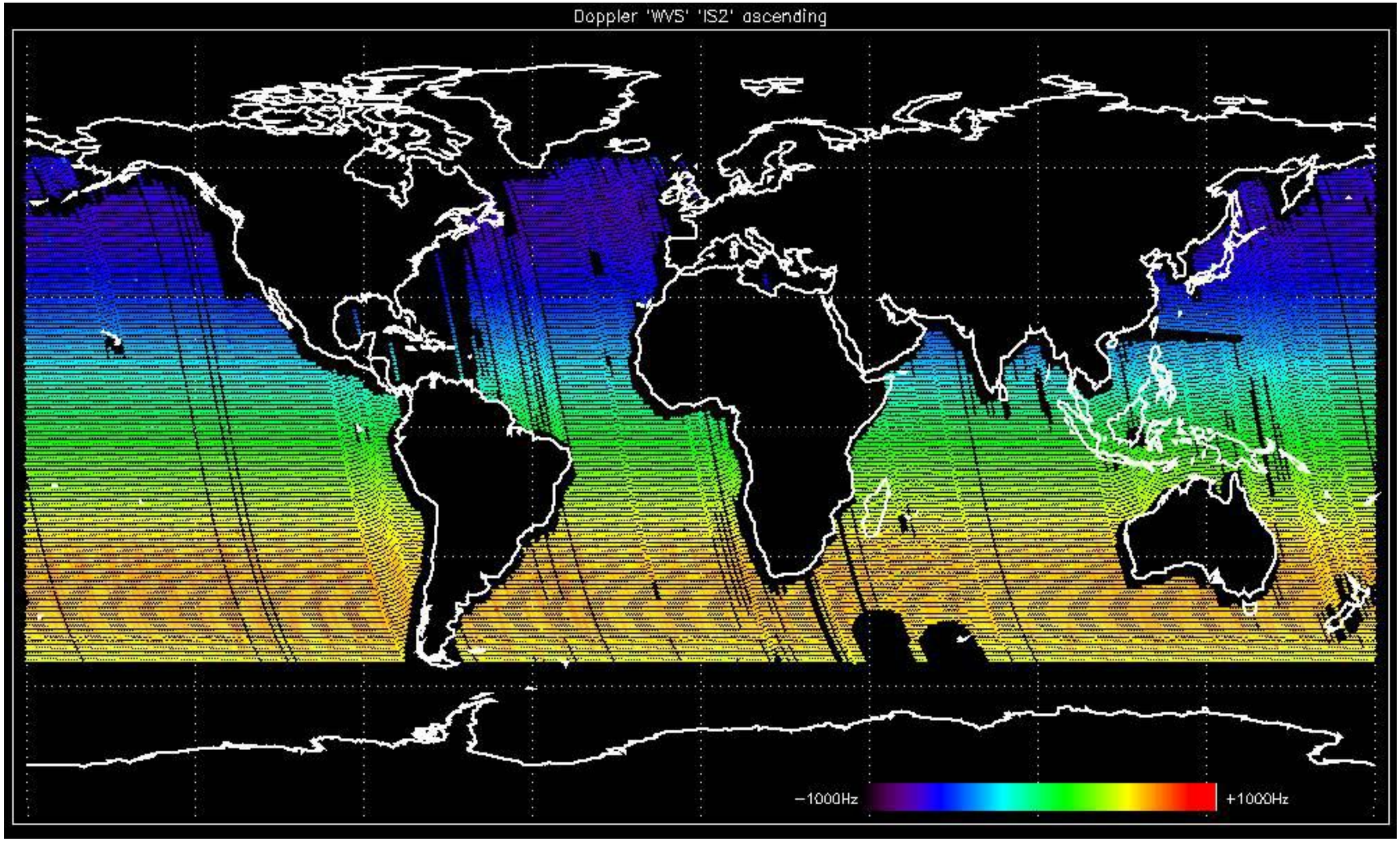

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

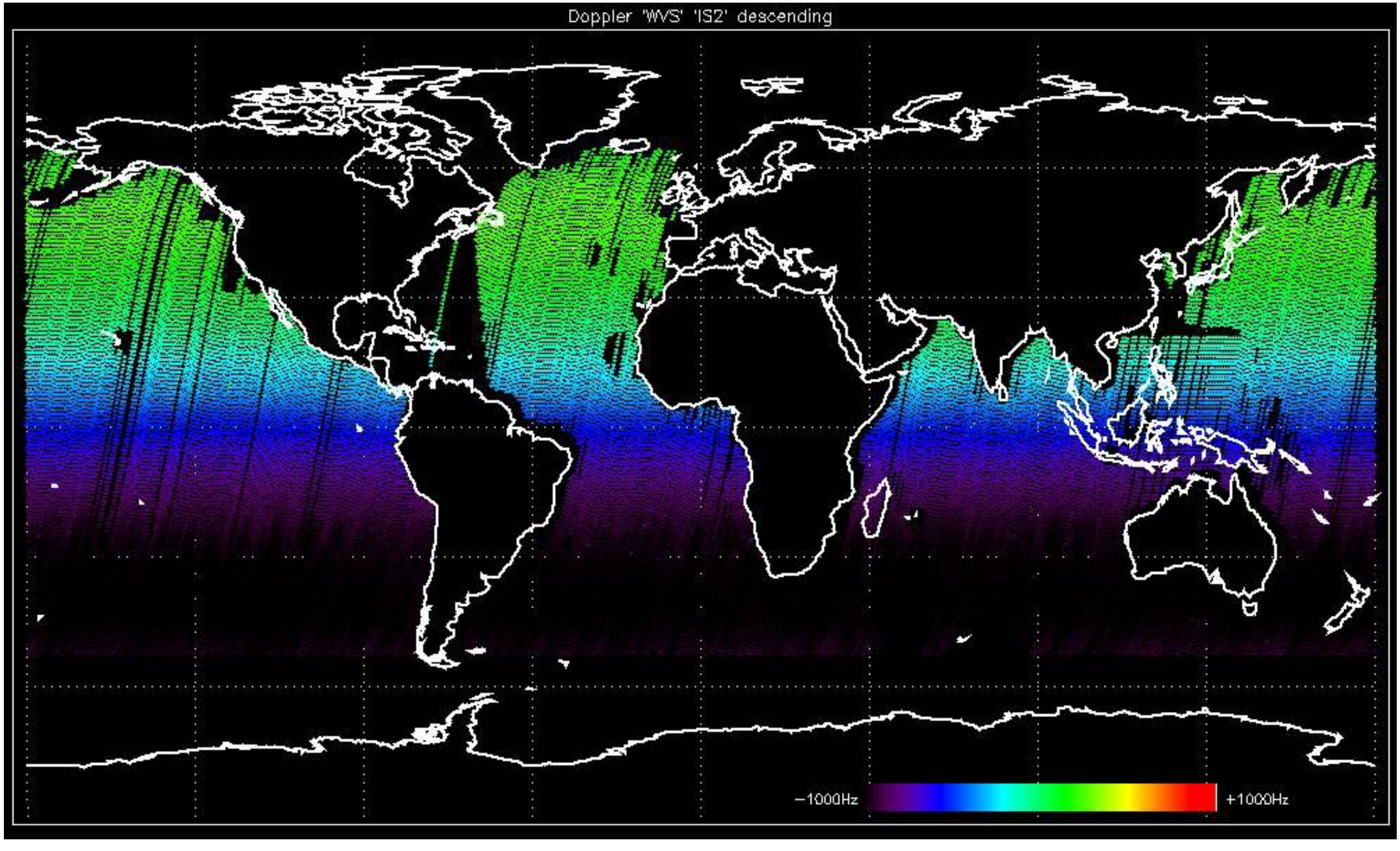
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

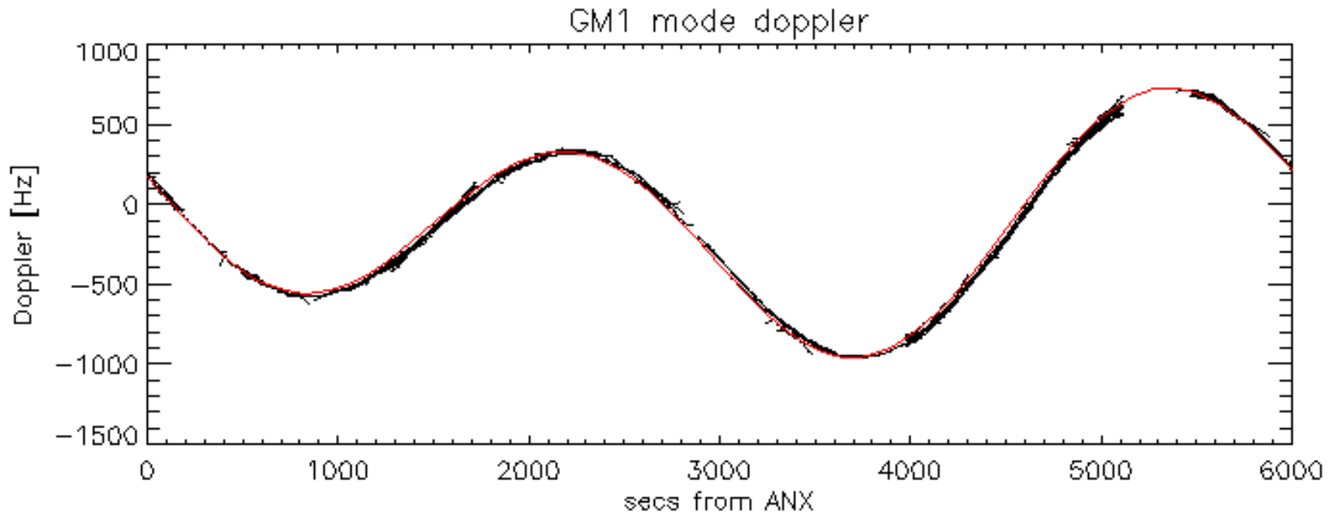
Preliminary report.The data is not yet controled

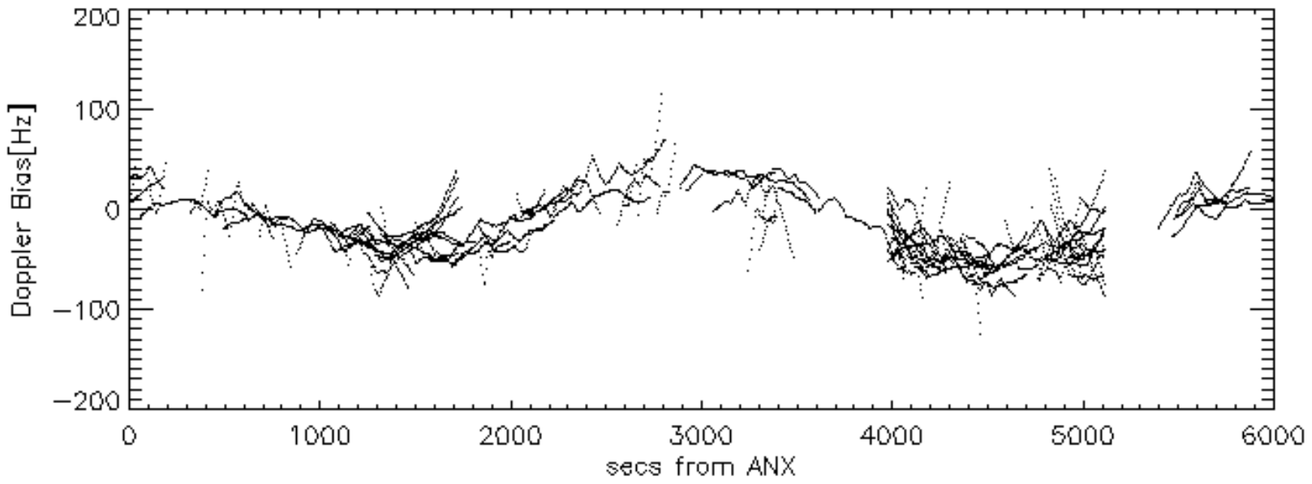

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

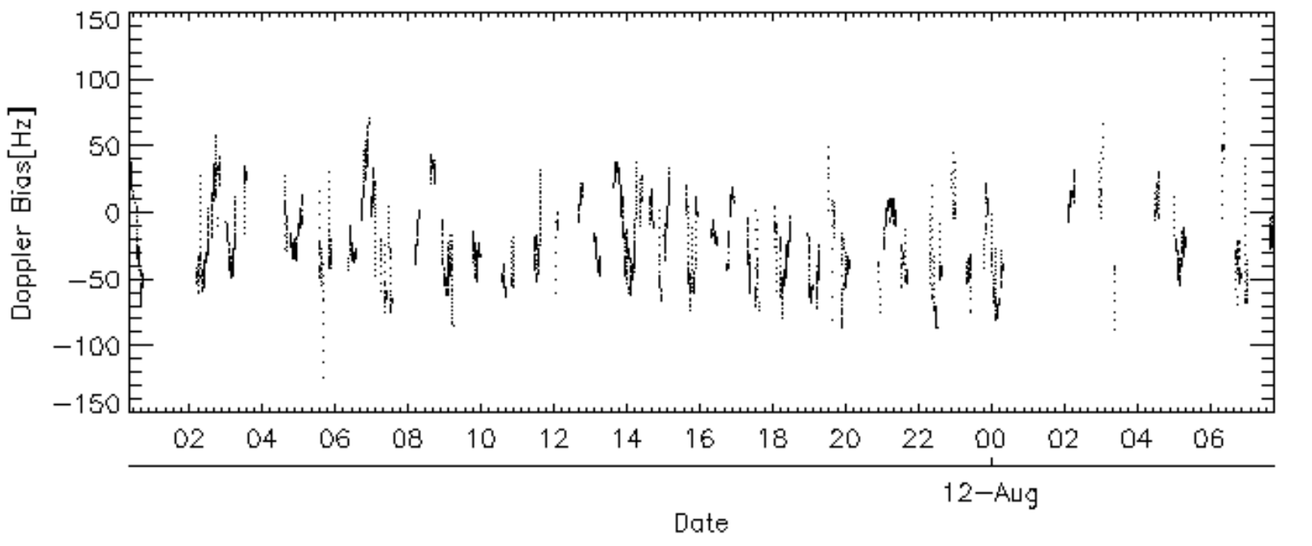

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

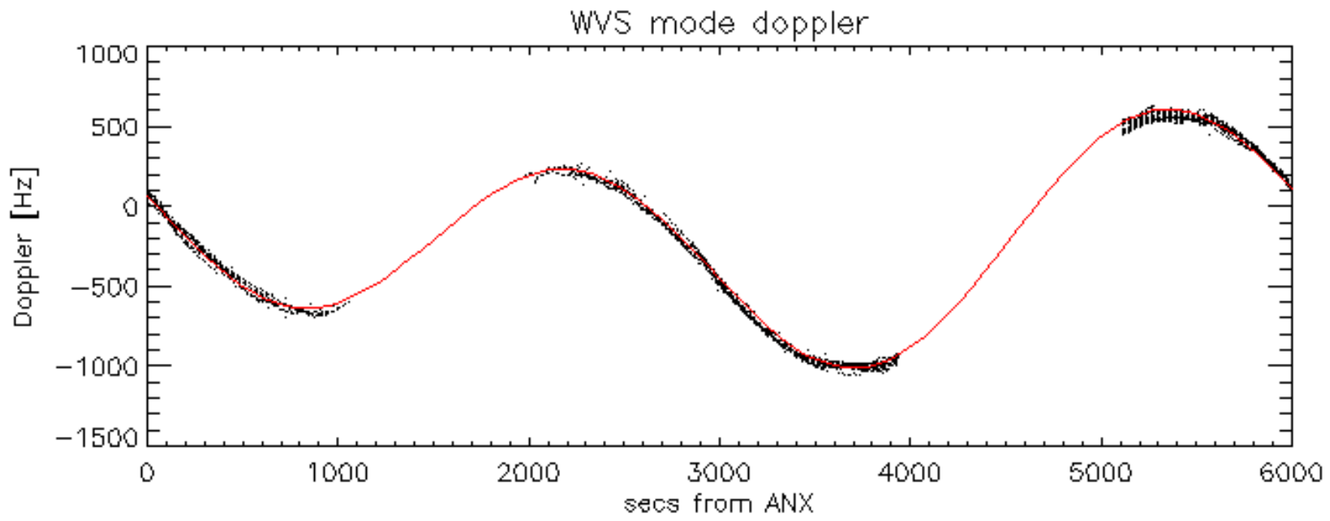

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

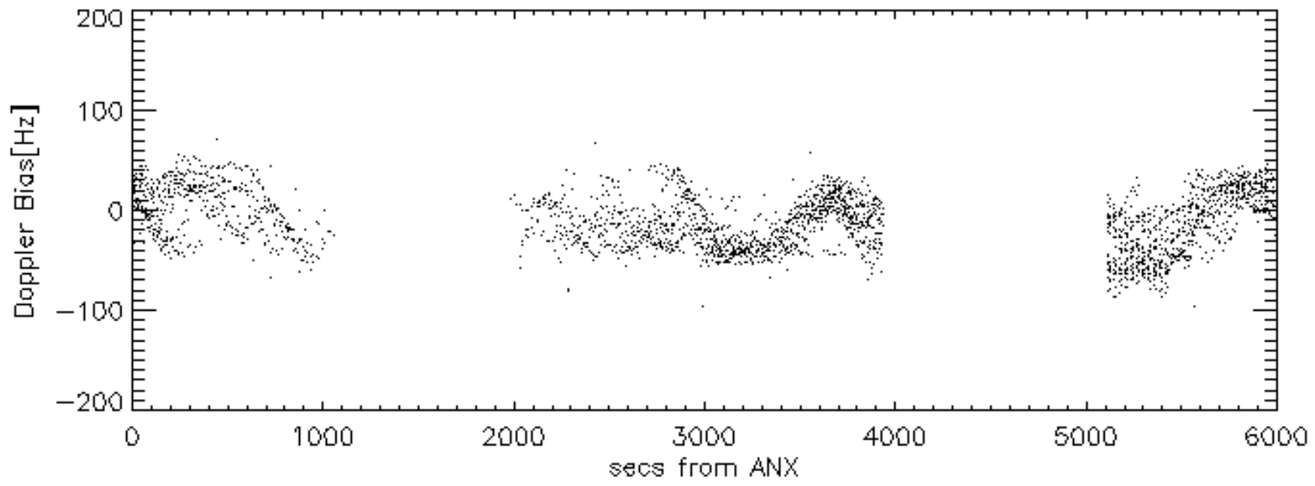

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

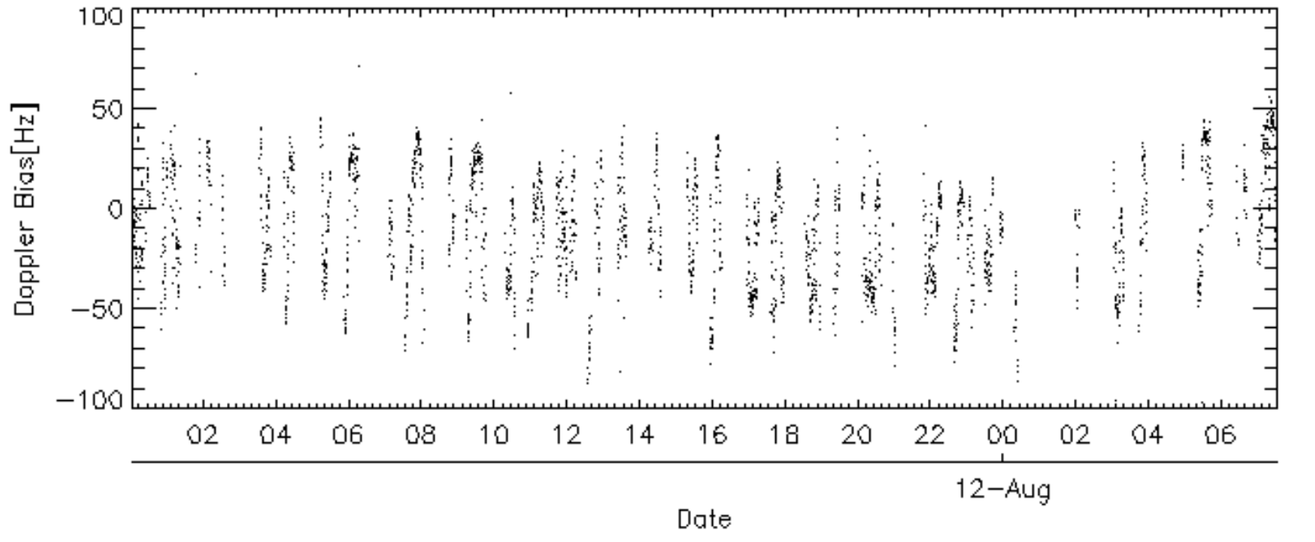

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

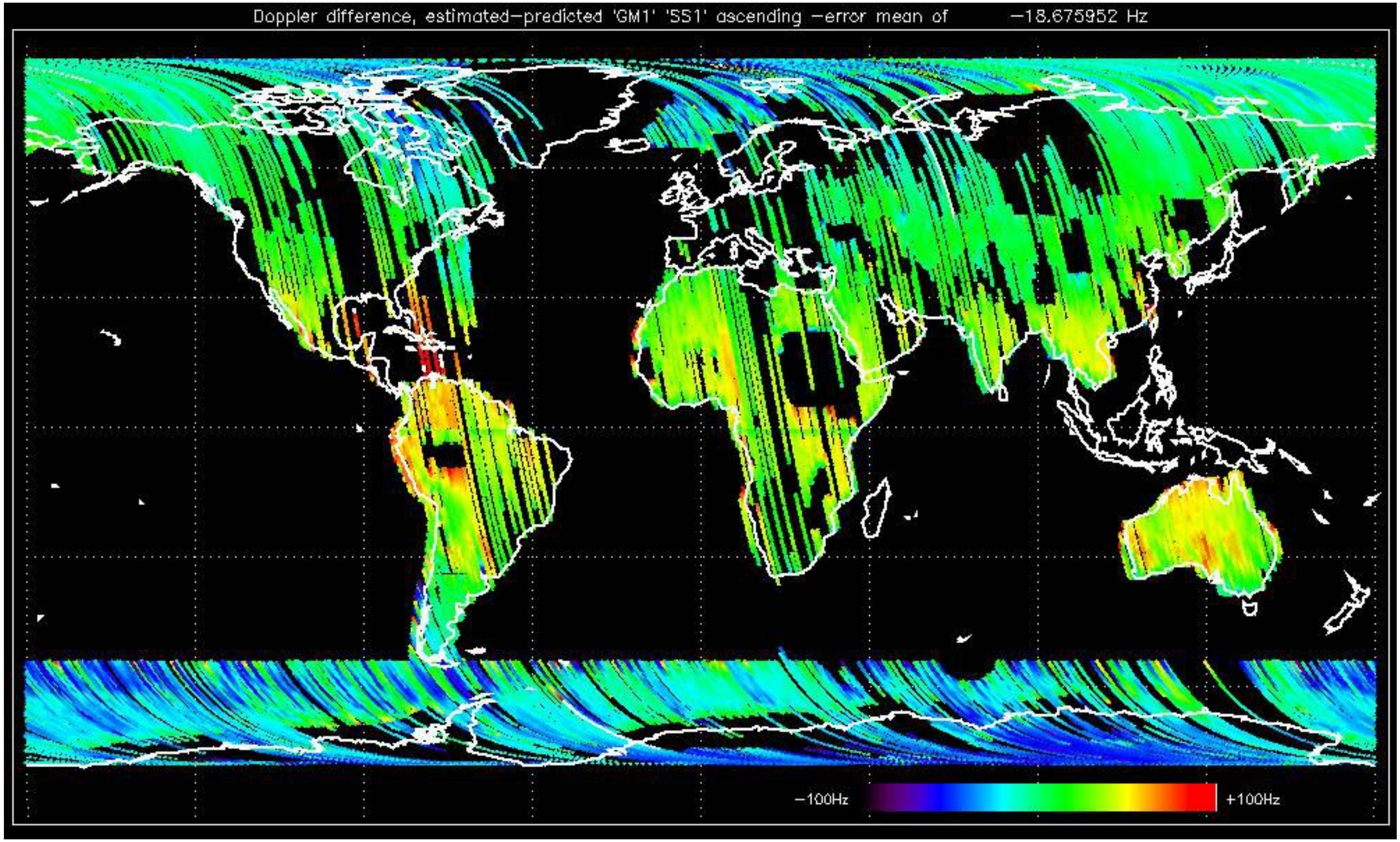

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

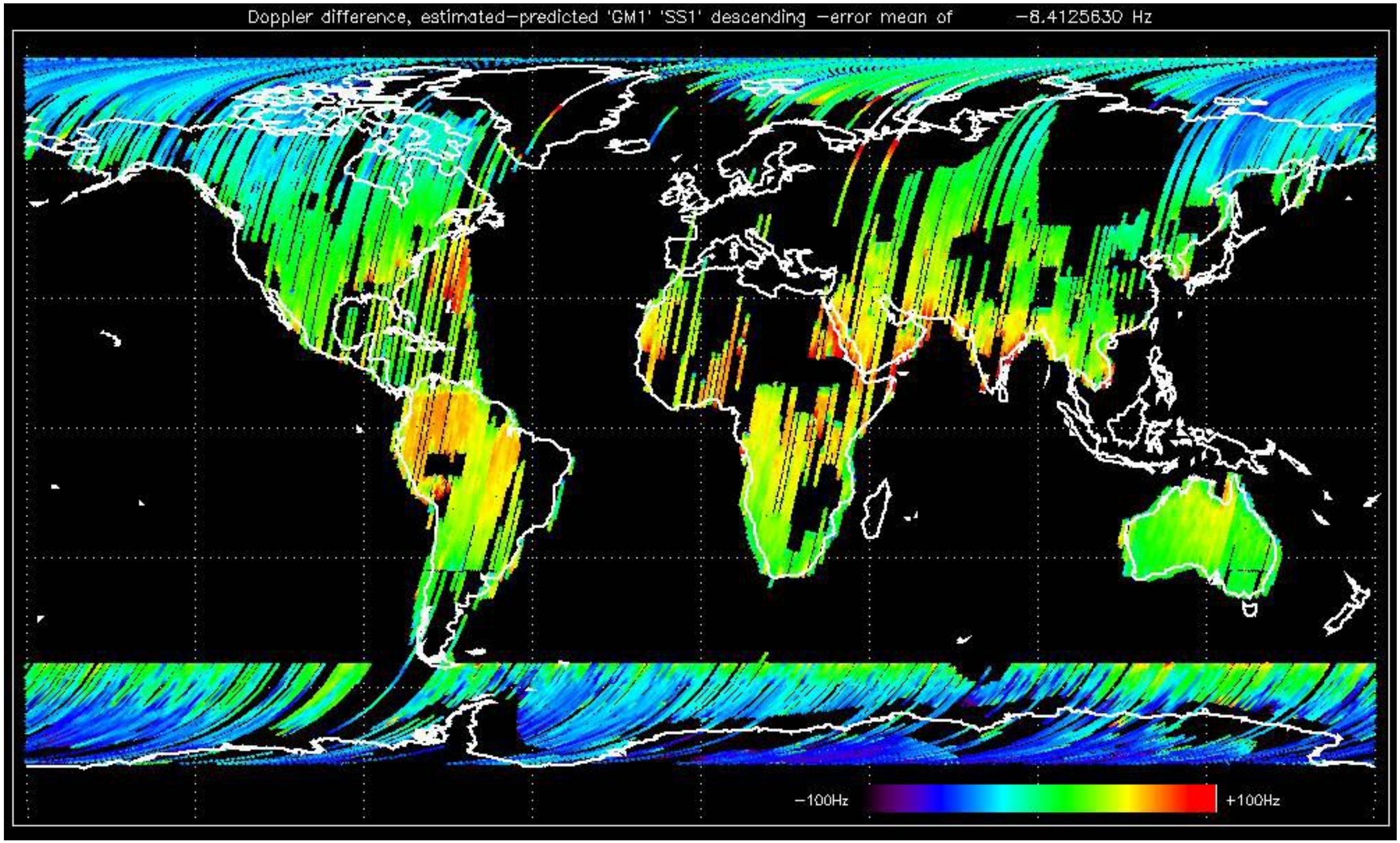

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
12−Aug
Date

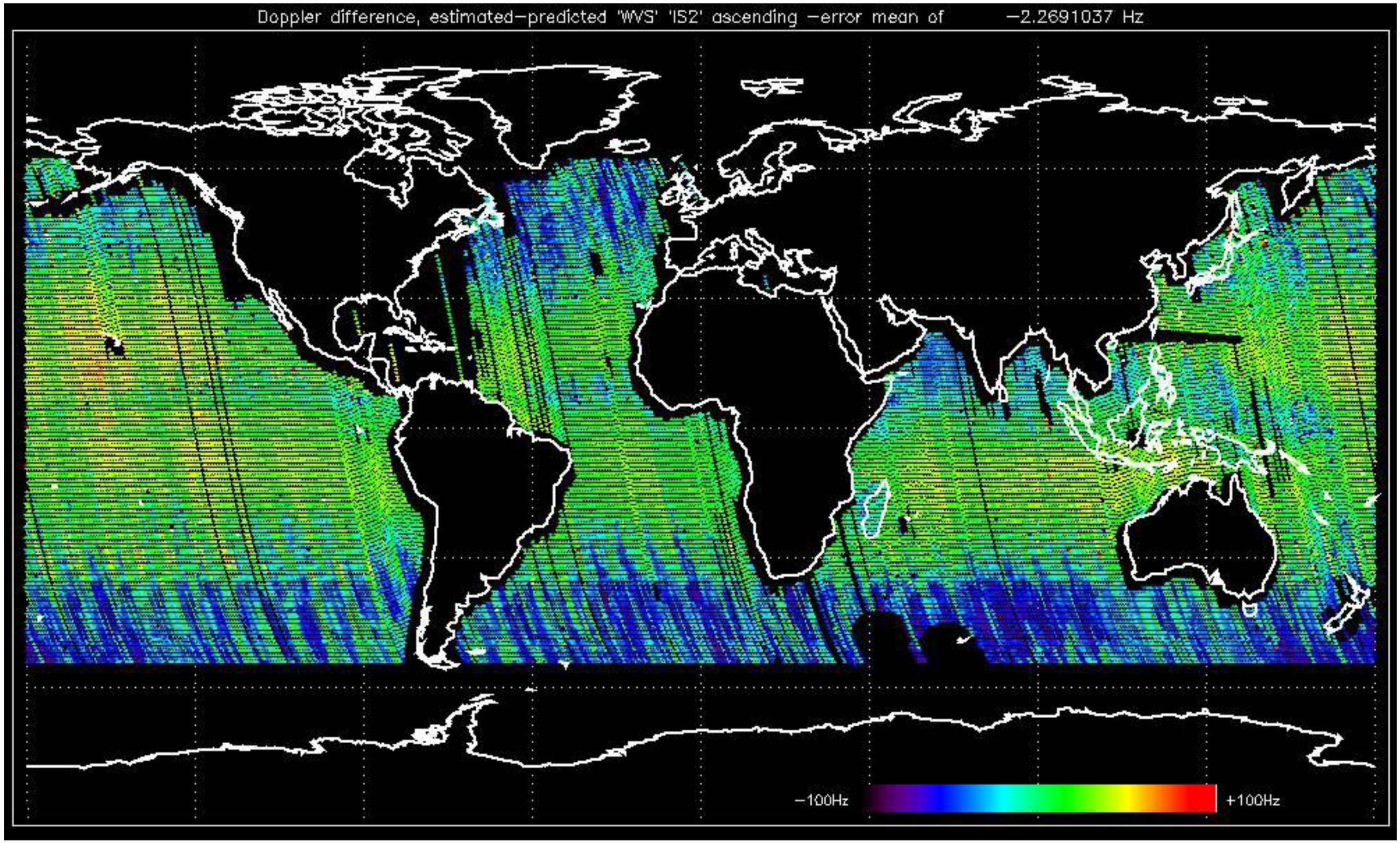

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

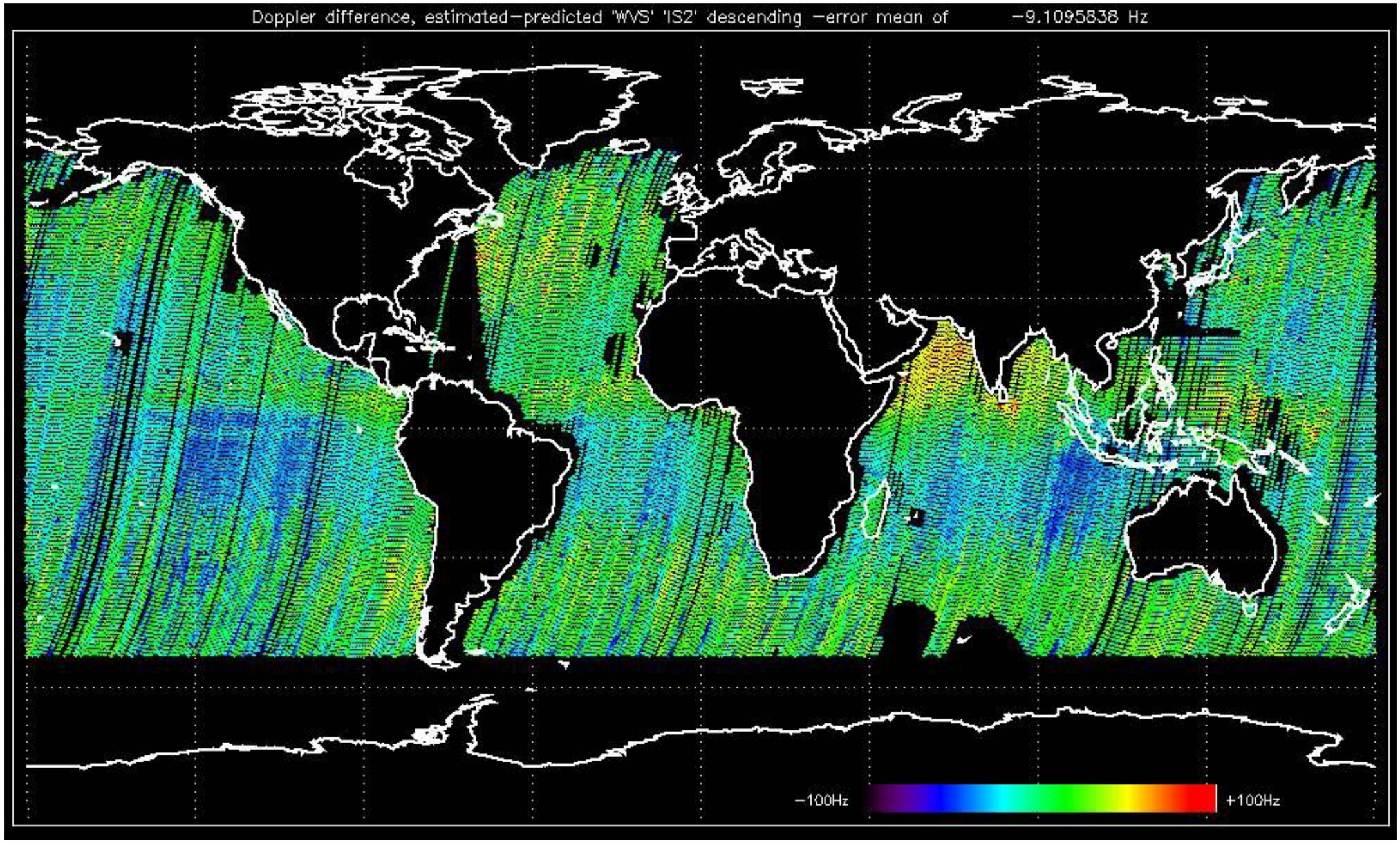

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.675952 Hz
−100Hz
+100Hz

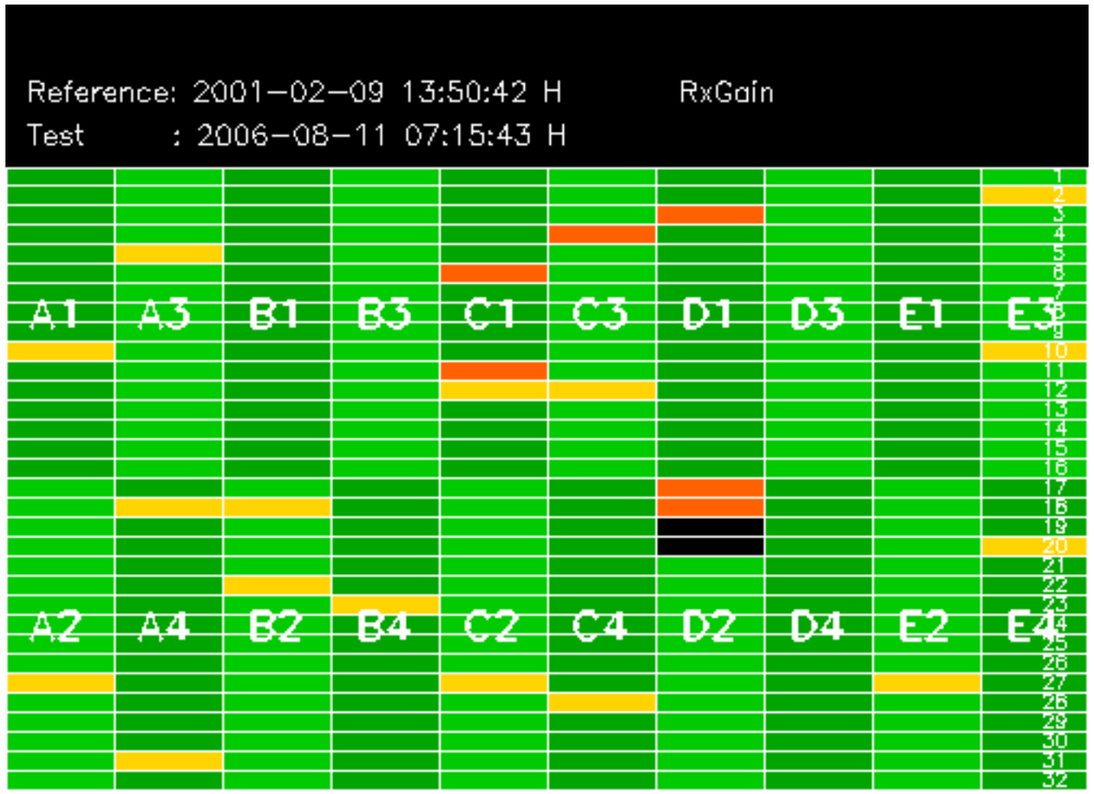

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −8.4125630 Hz
−100Hz
+100Hz

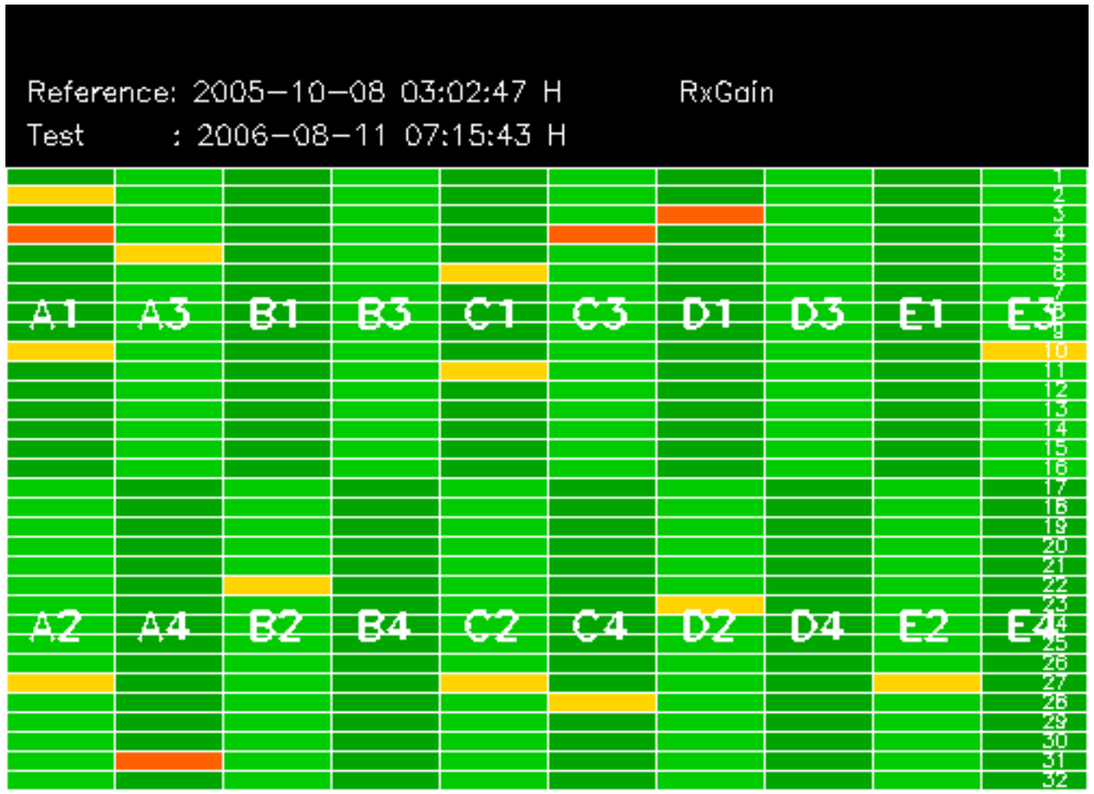

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −2.2691037 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.1095838 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-08-11 07:15:43 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-08-11 07:15:43 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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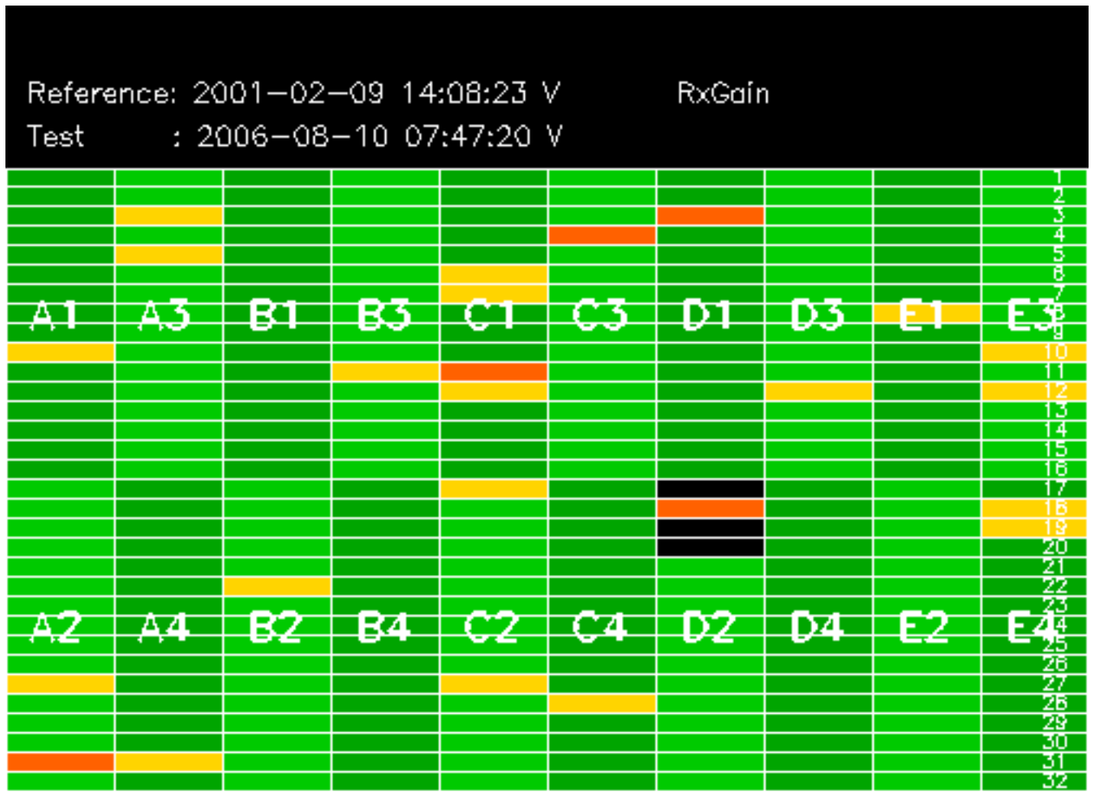
Reference: 2001-02-09 14:08:23 V
Test : 2006-08-10 07:47:20 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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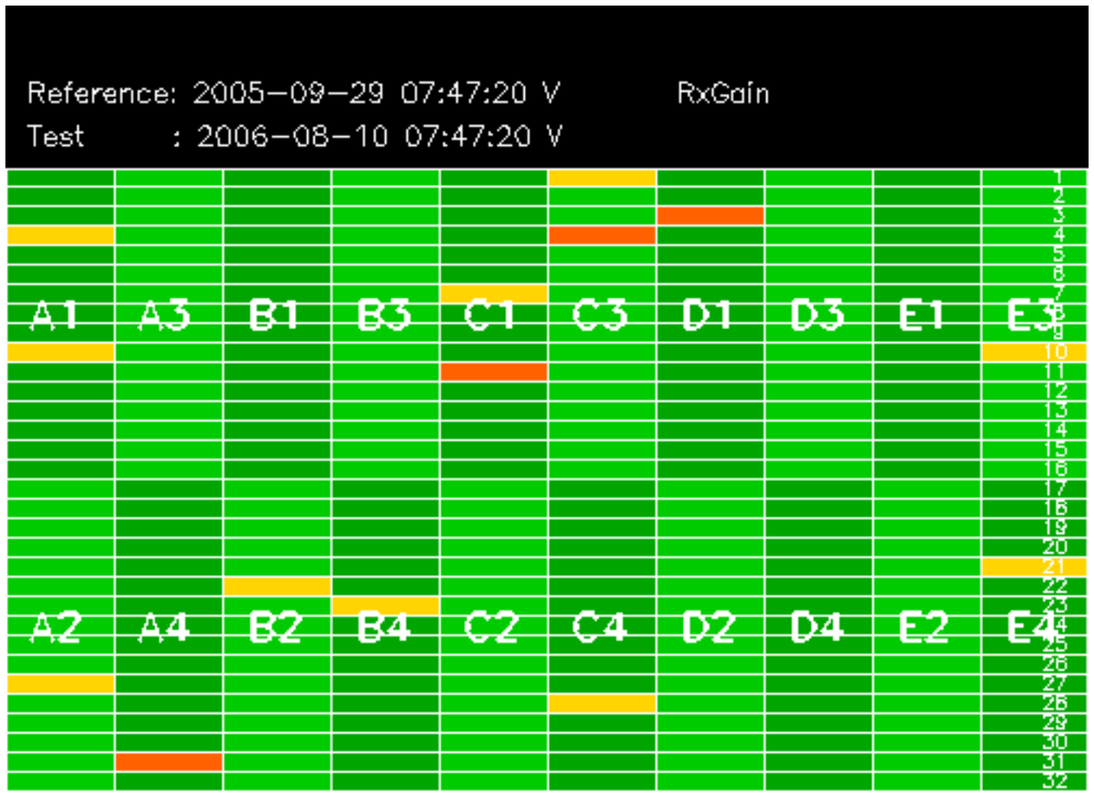
Reference: 2005-09-29 07:47:20 V
Test : 2006-08-10 07:47:20 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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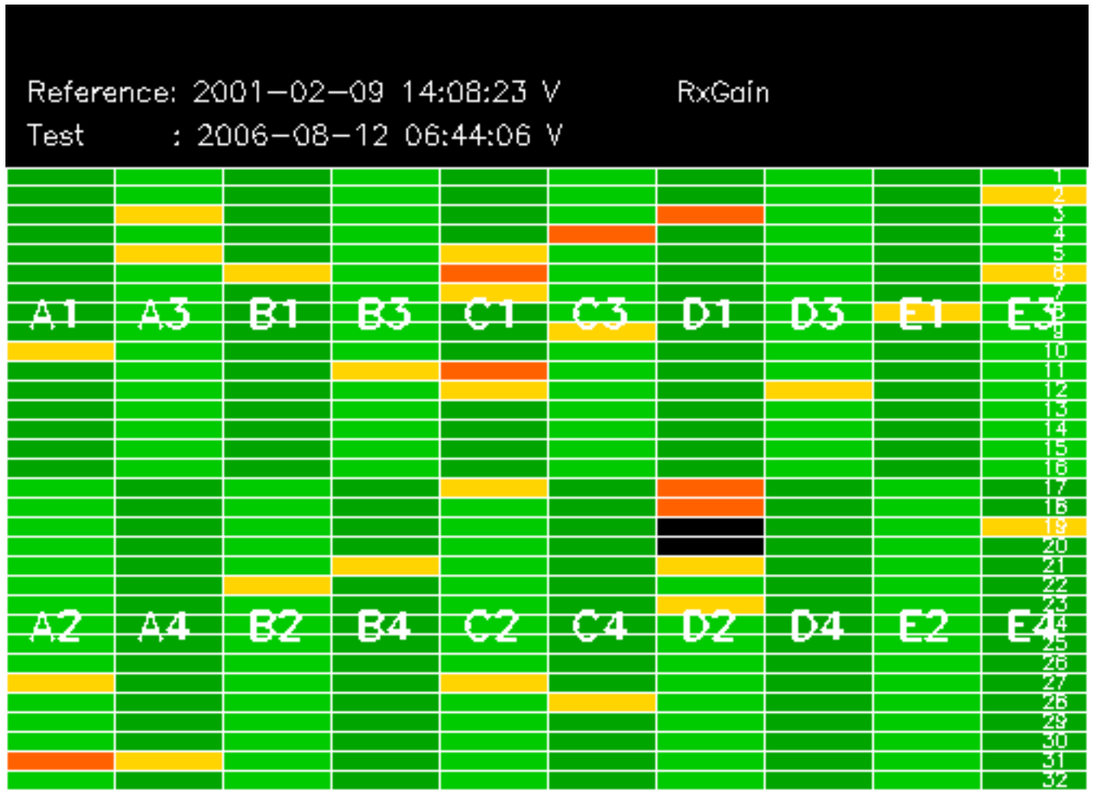
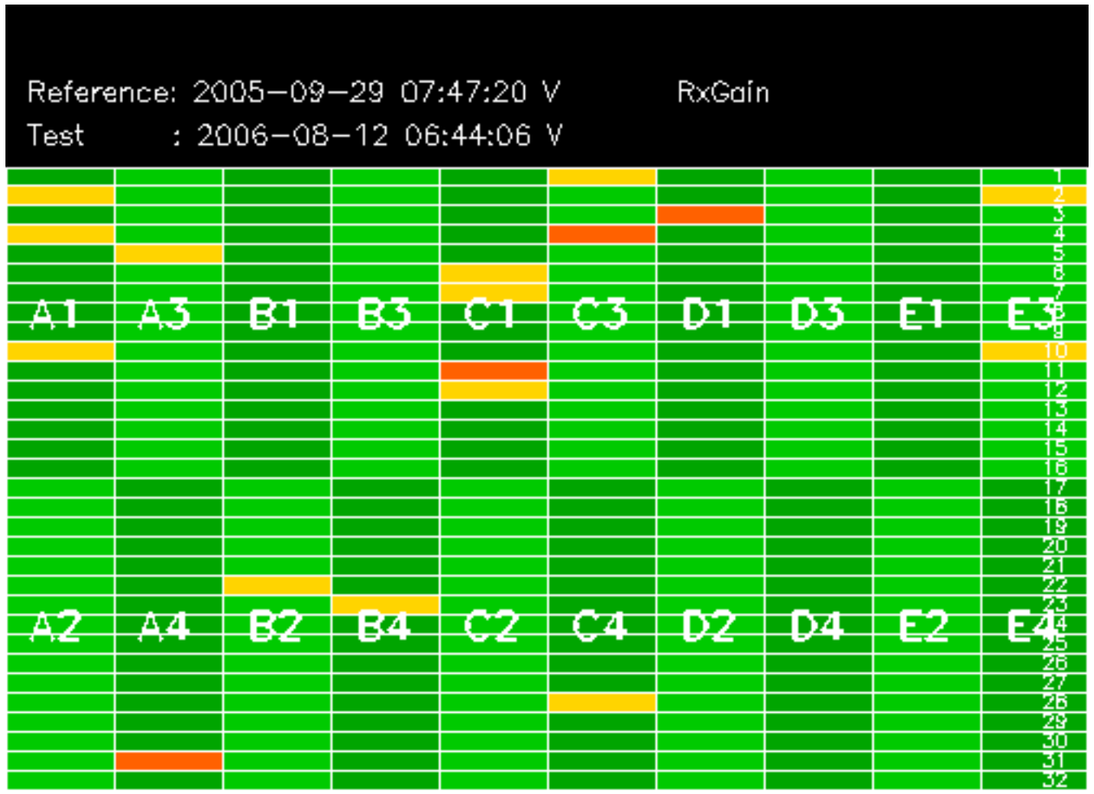

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-08-12 06:44:06 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-08-12 06:44:06 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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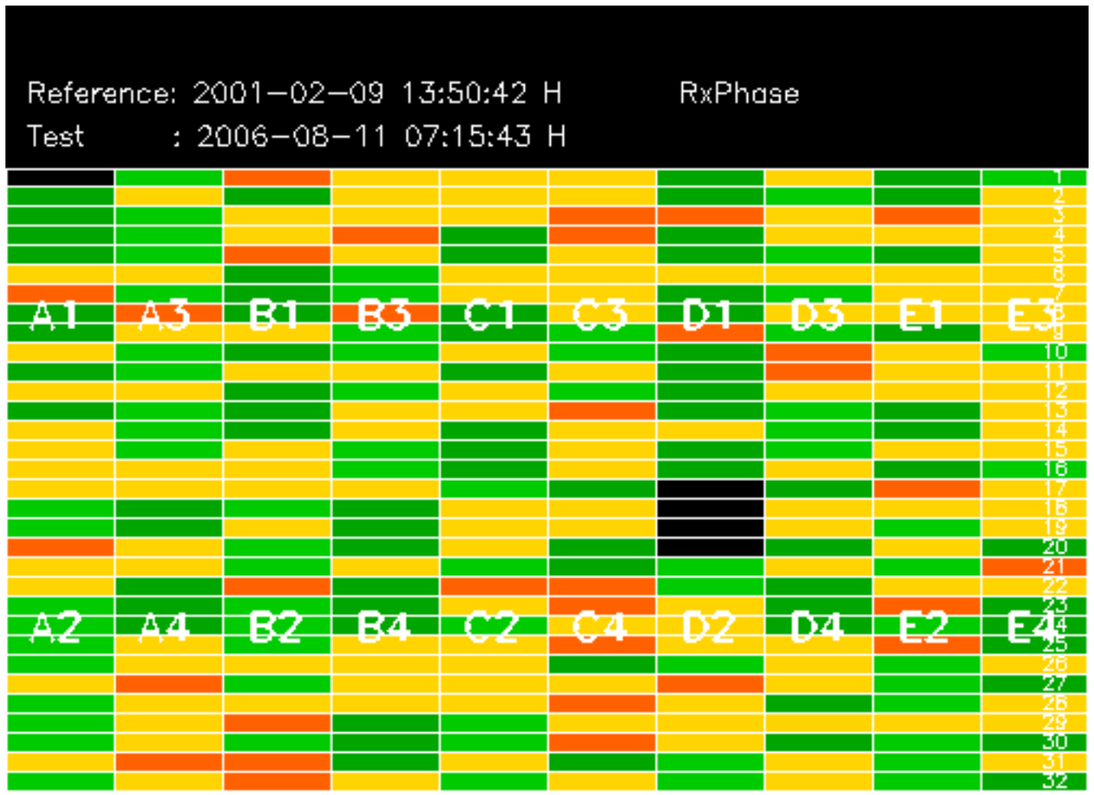
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-08-11 07:15:43 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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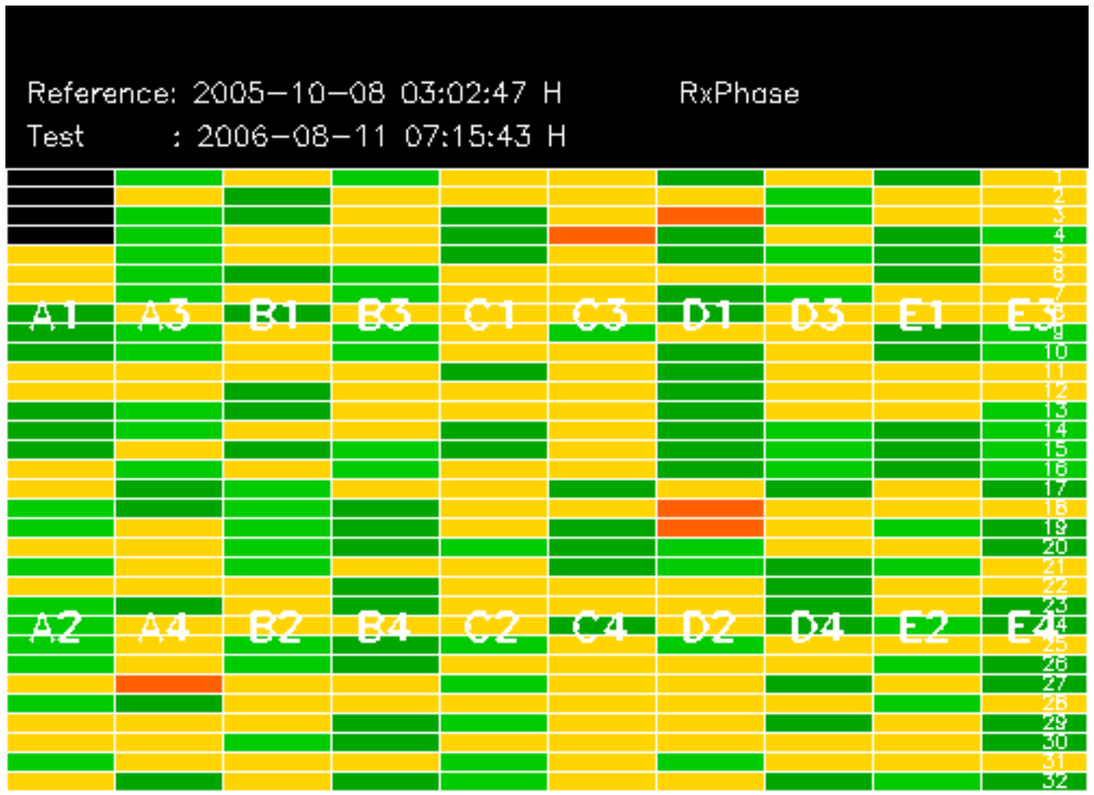
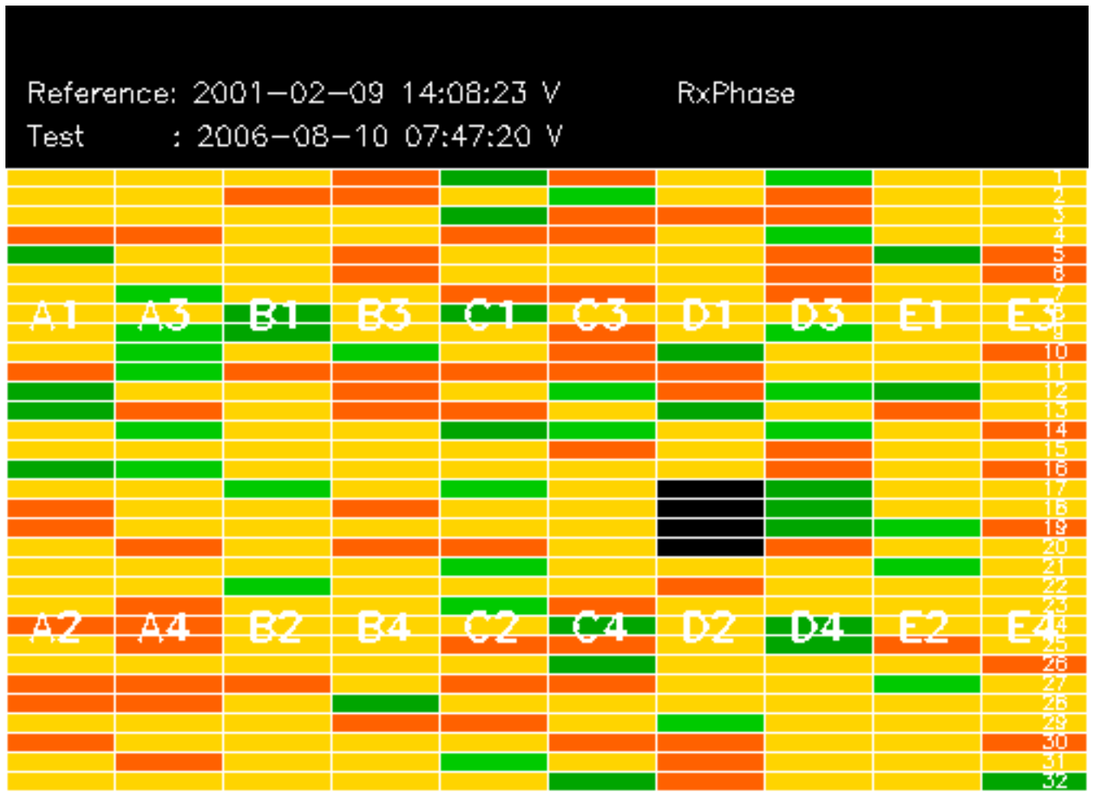
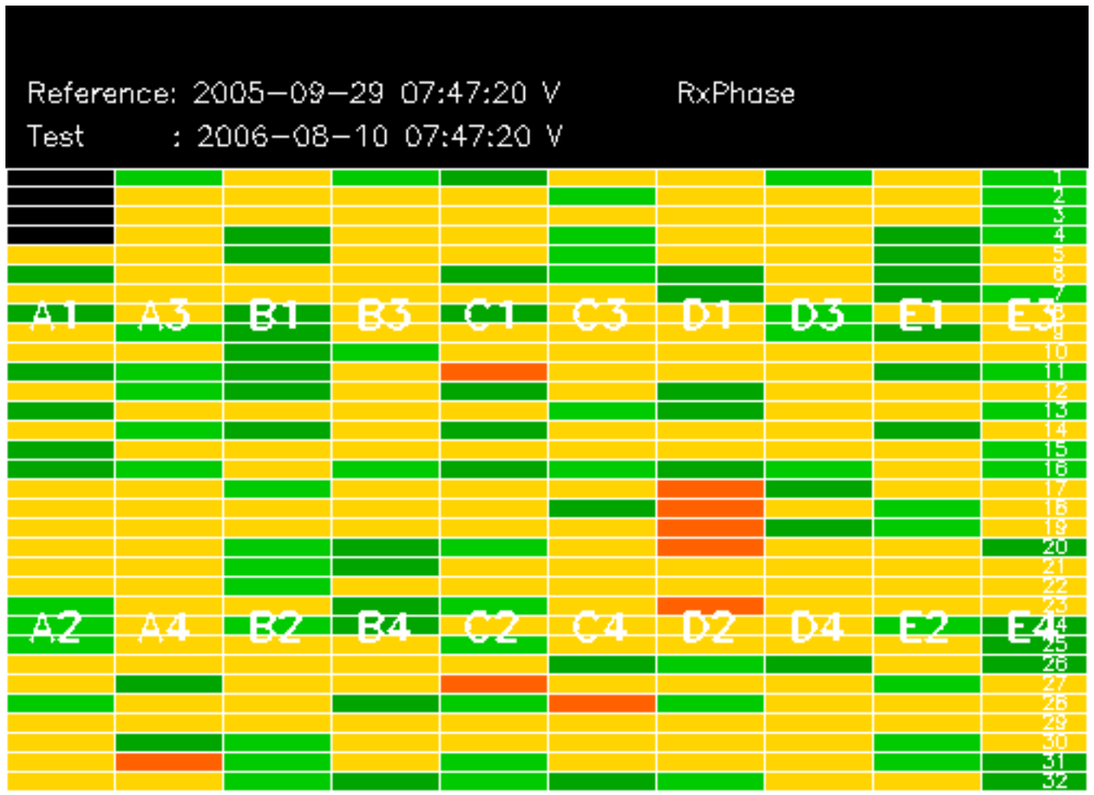
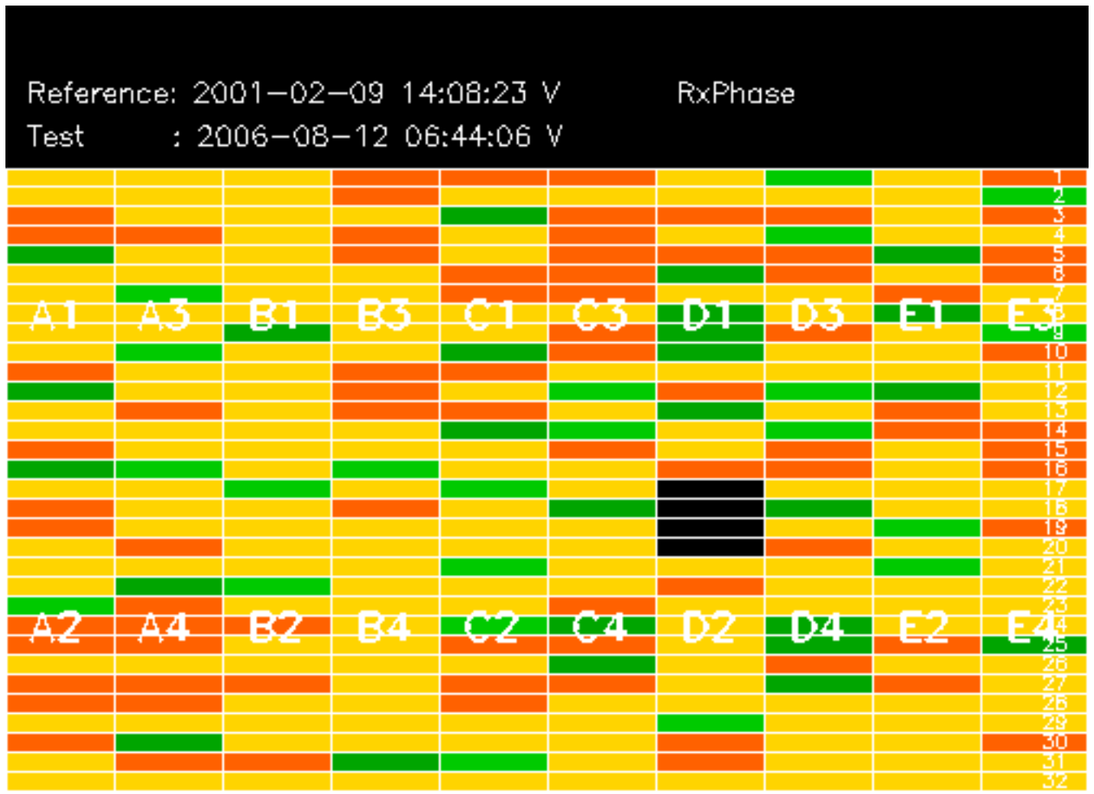
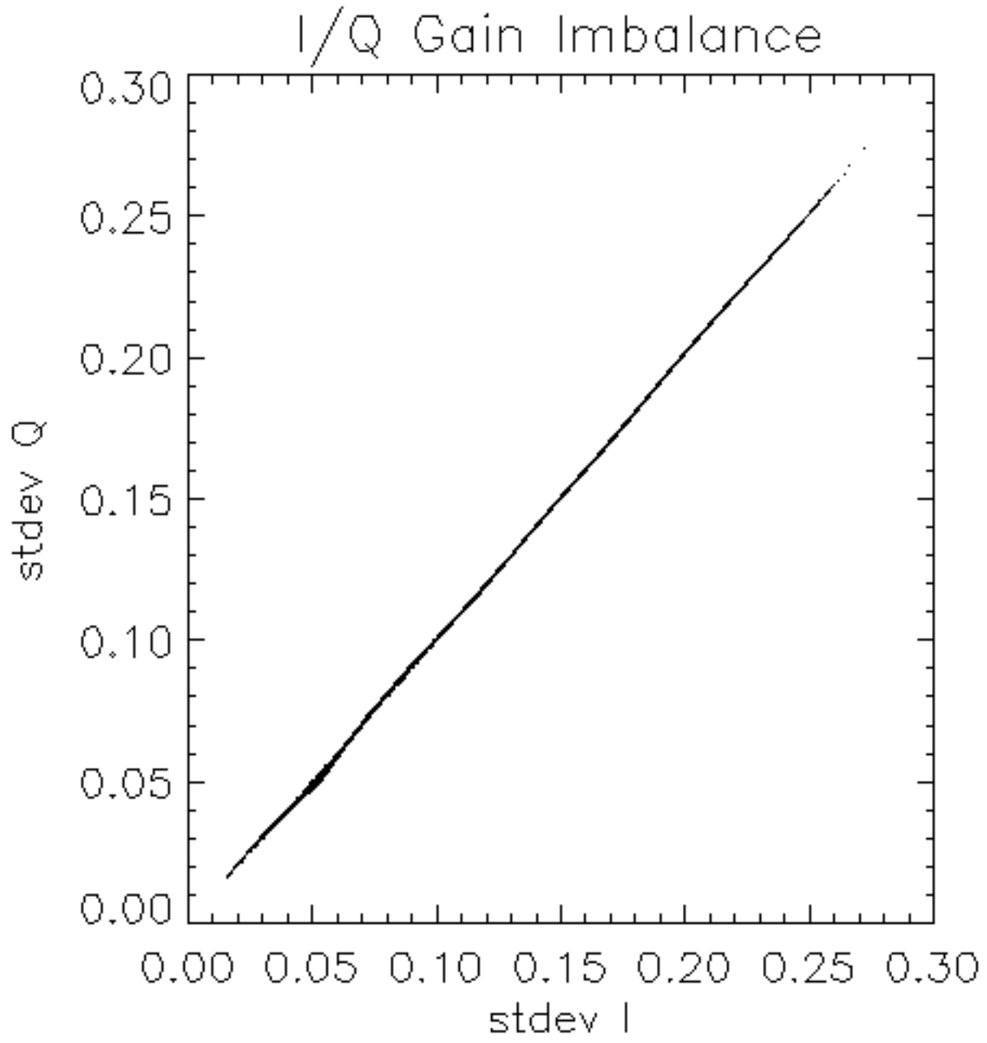

Reference: 2005-10-08 03:02:47 H
Test : 2006-08-11 07:15:43 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

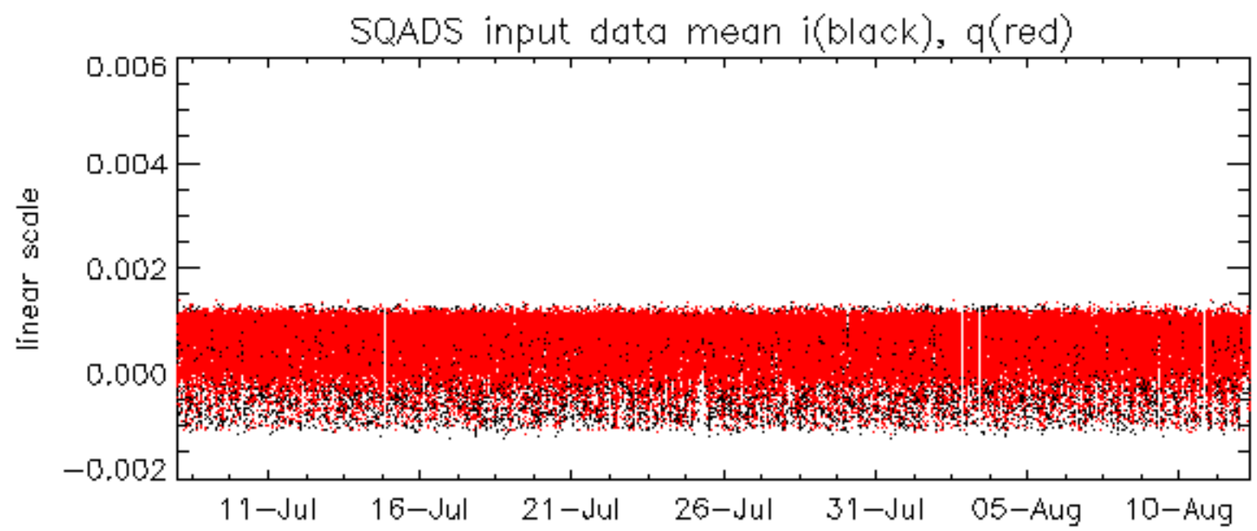

Reference: 2001-02-09 14:08:23 V
Test : 2006-08-10 07:47:20 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

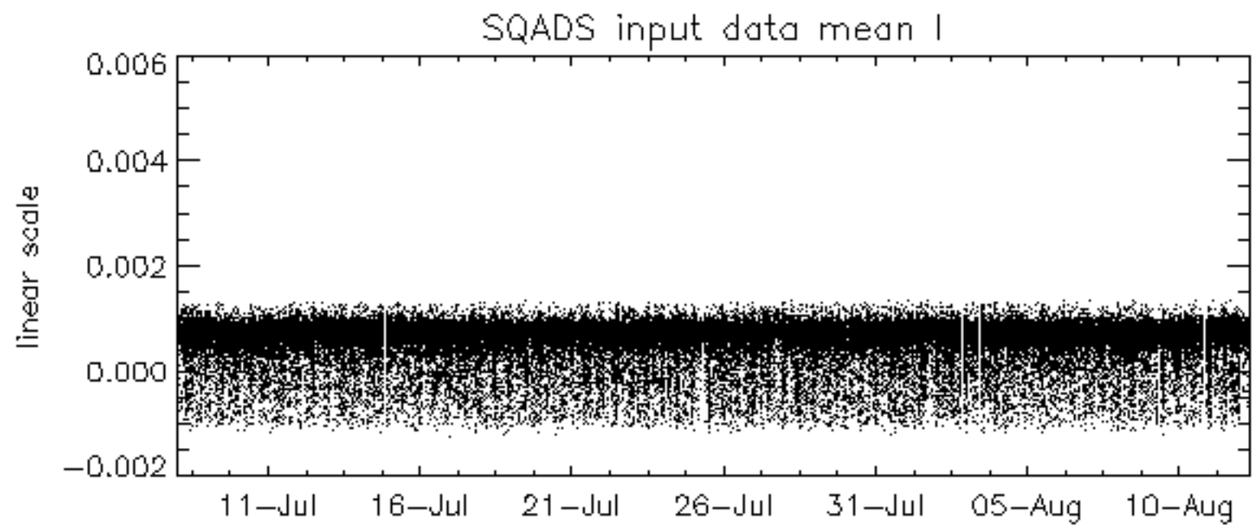

Reference: 2005-09-29 07:47:20 V
Test : 2006-08-10 07:47:20 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

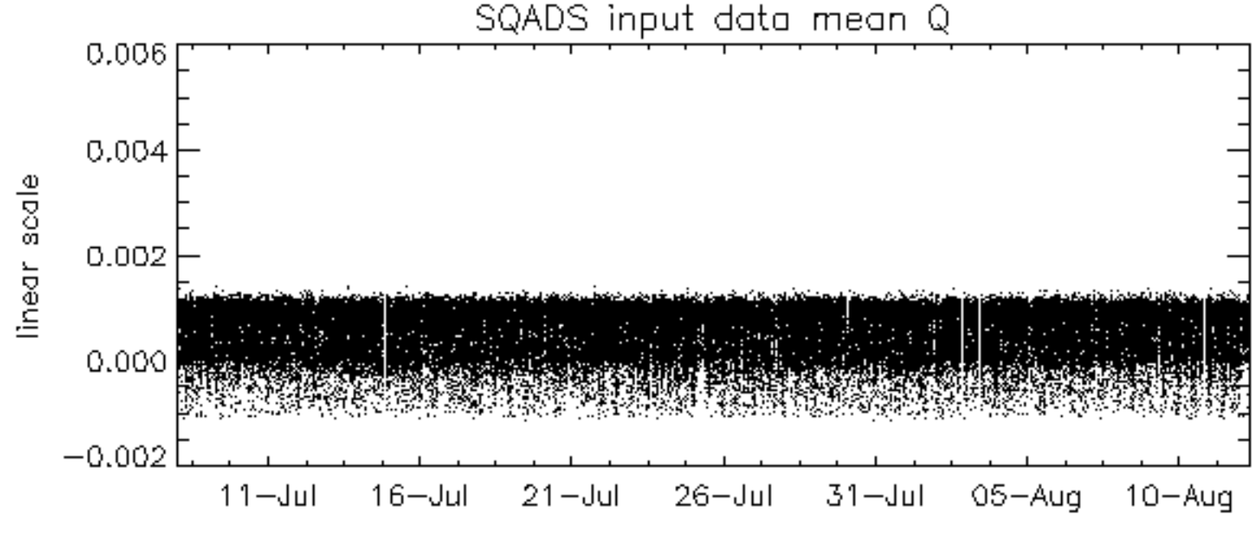

Reference: 2001-02-09 14:08:23 V
Test : 2006-08-12 06:44:06 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

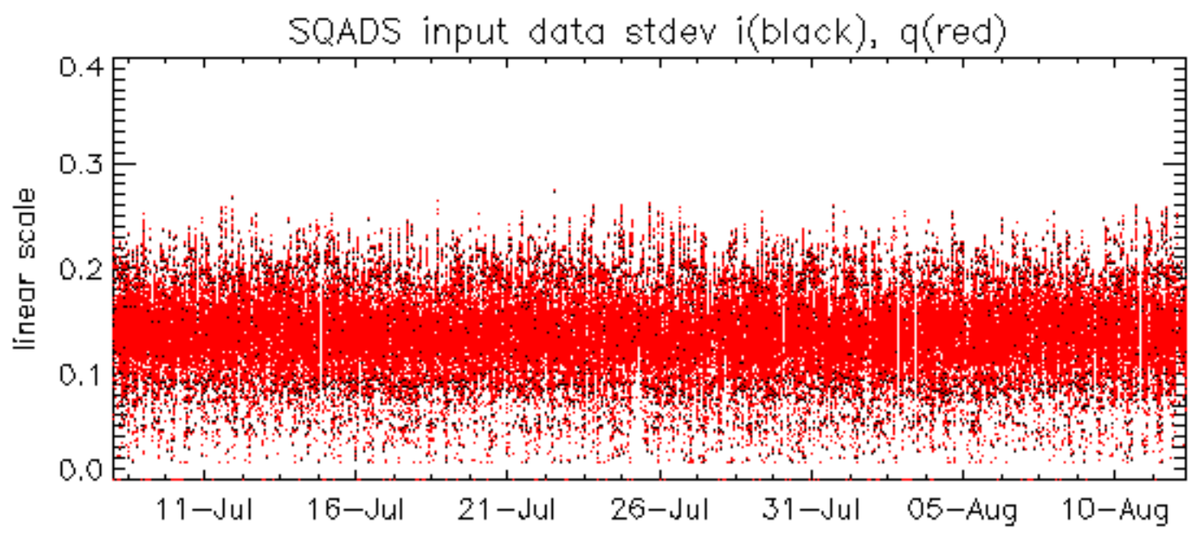

Reference: 2005-09-29 07:47:20 V
Test : 2006-08-12 06:44:06 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

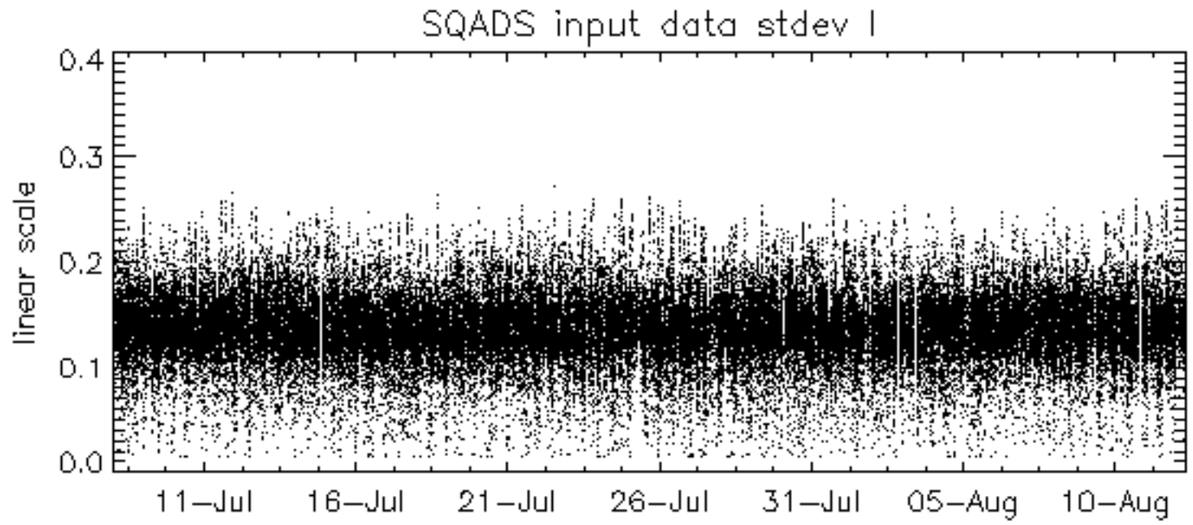

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

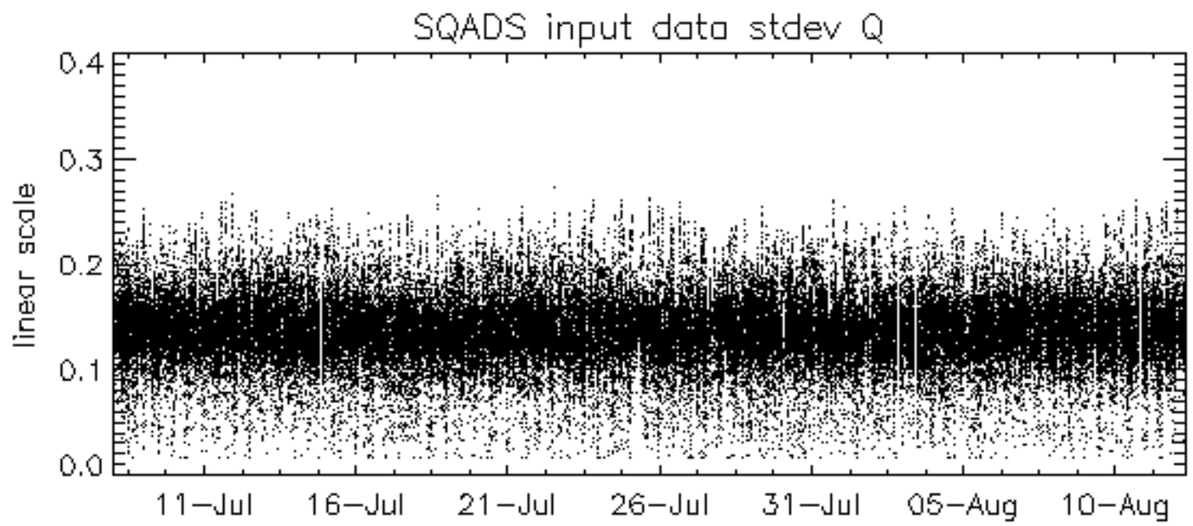

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Jul
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug

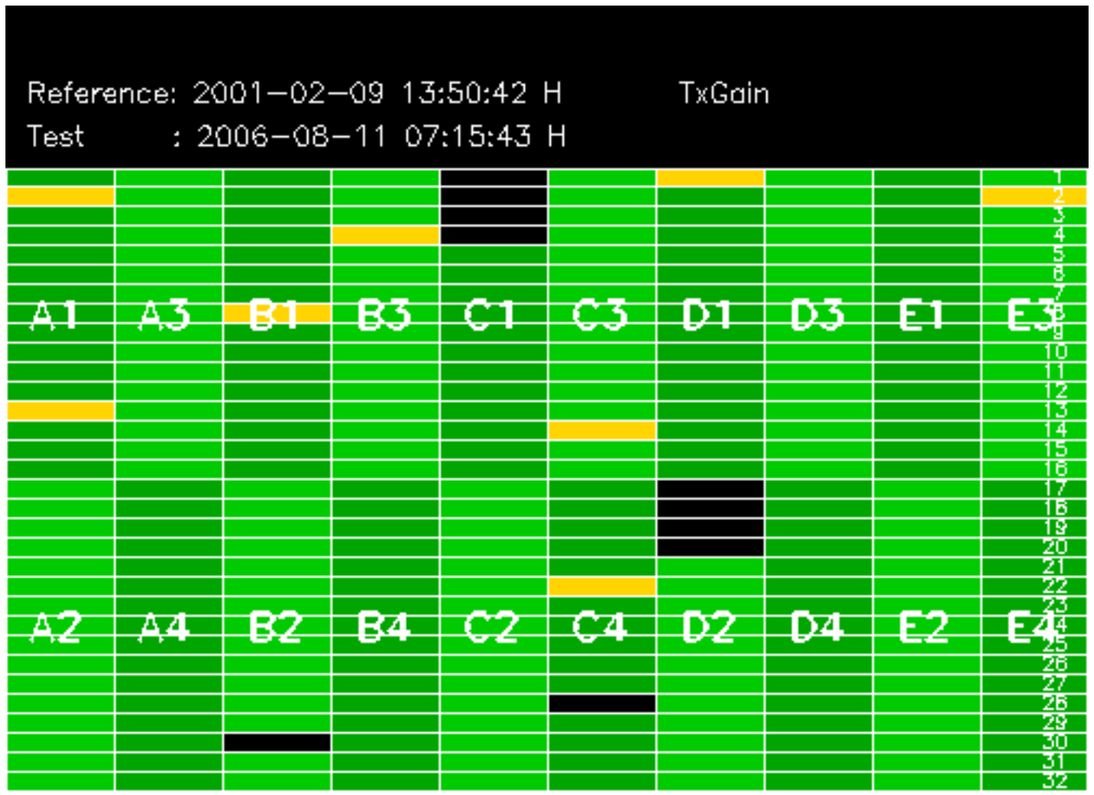

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Jul
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Jul
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
11–Jul
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
11–Jul
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
11–Jul
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


Reference: 2001-02-09 13:50:42 H
Test : 2006-08-11 07:15:43 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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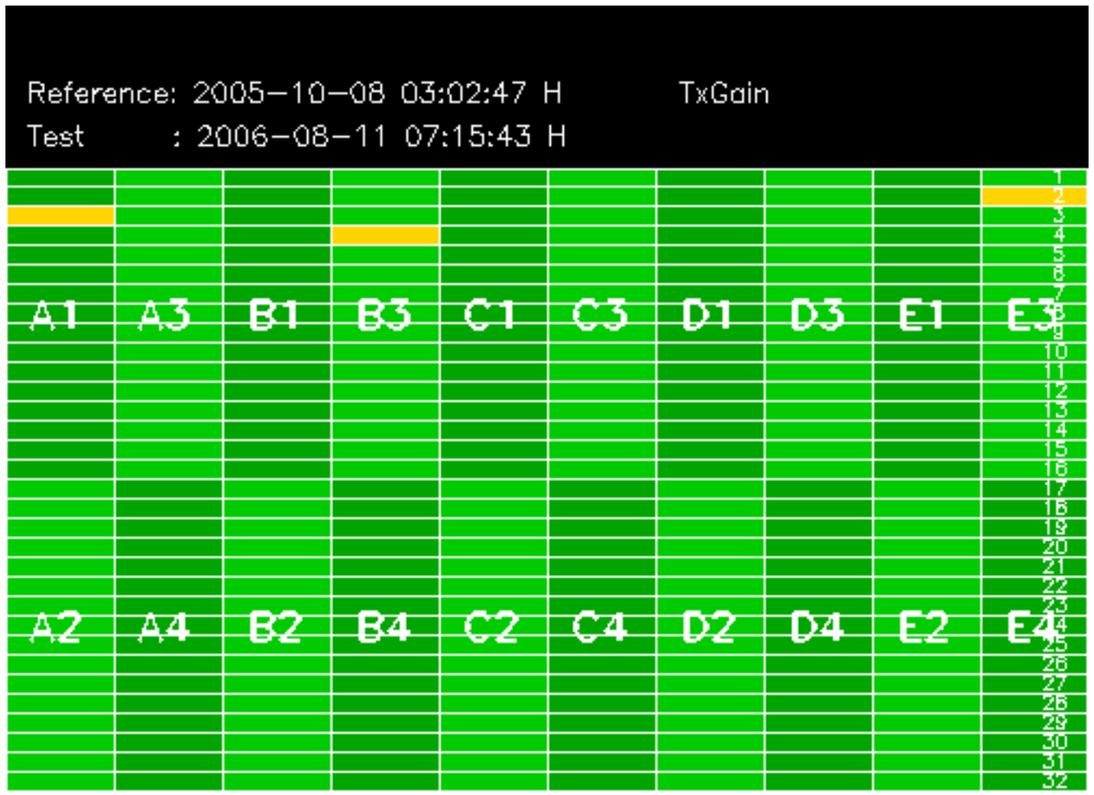
Reference: 2005-10-08 03:02:47 H
Test : 2006-08-11 07:15:43 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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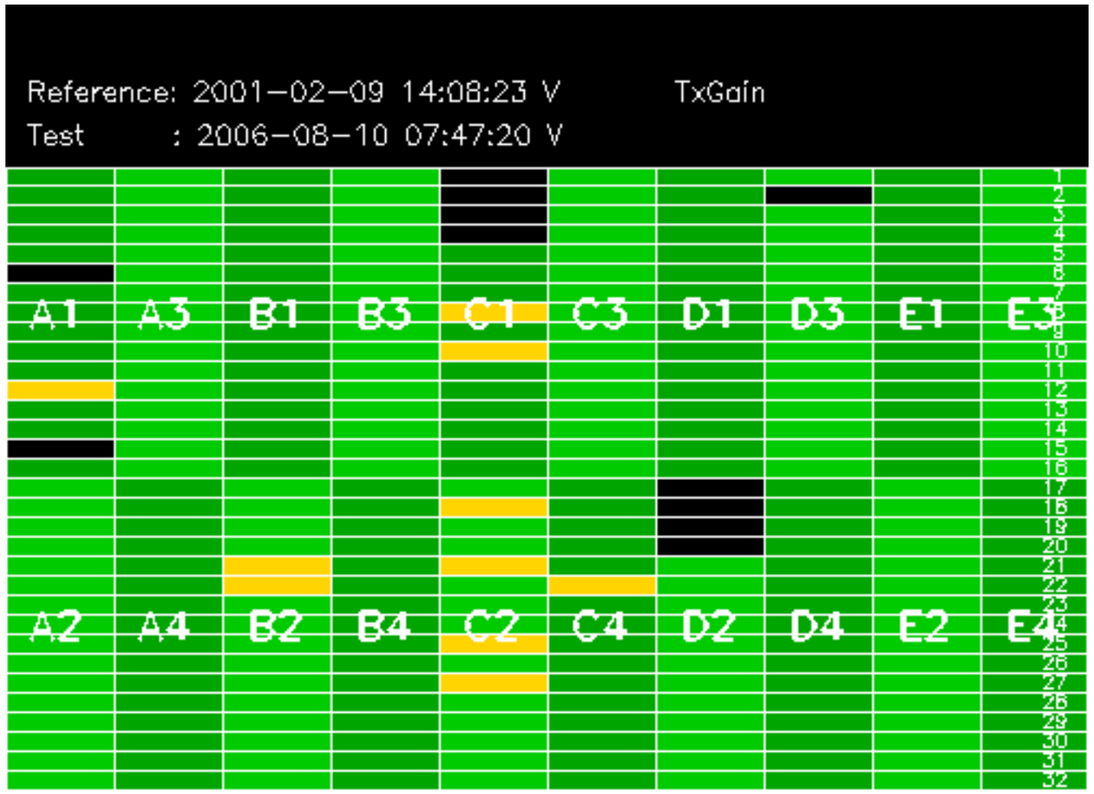
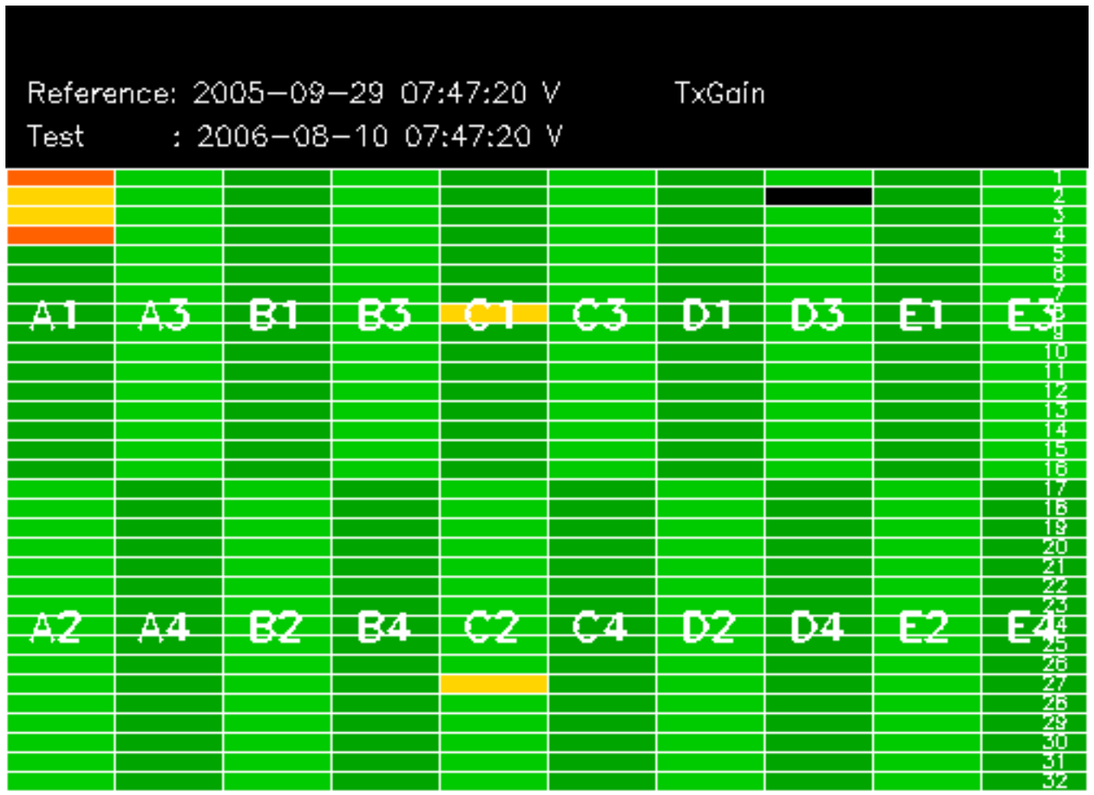

Reference: 2001-02-09 14:08:23 V
Test : 2006-08-10 07:47:20 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-08-10 07:47:20 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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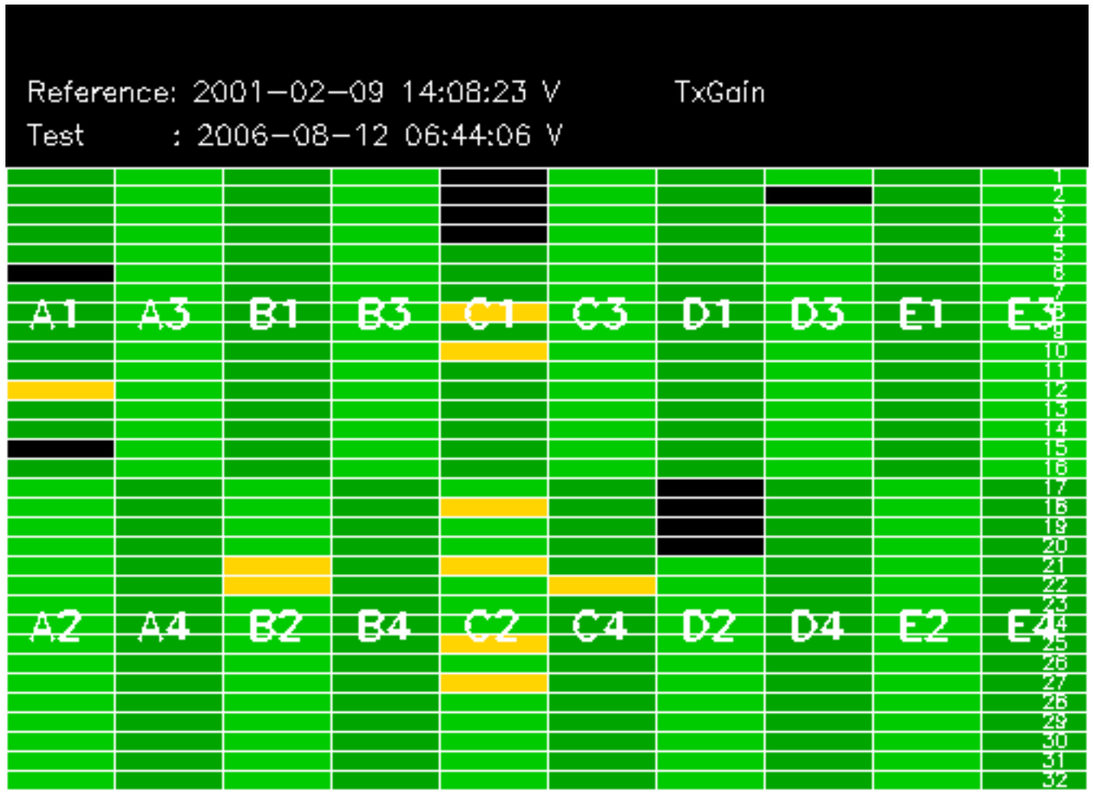
Reference: 2001-02-09 14:08:23 V
Test : 2006-08-12 06:44:06 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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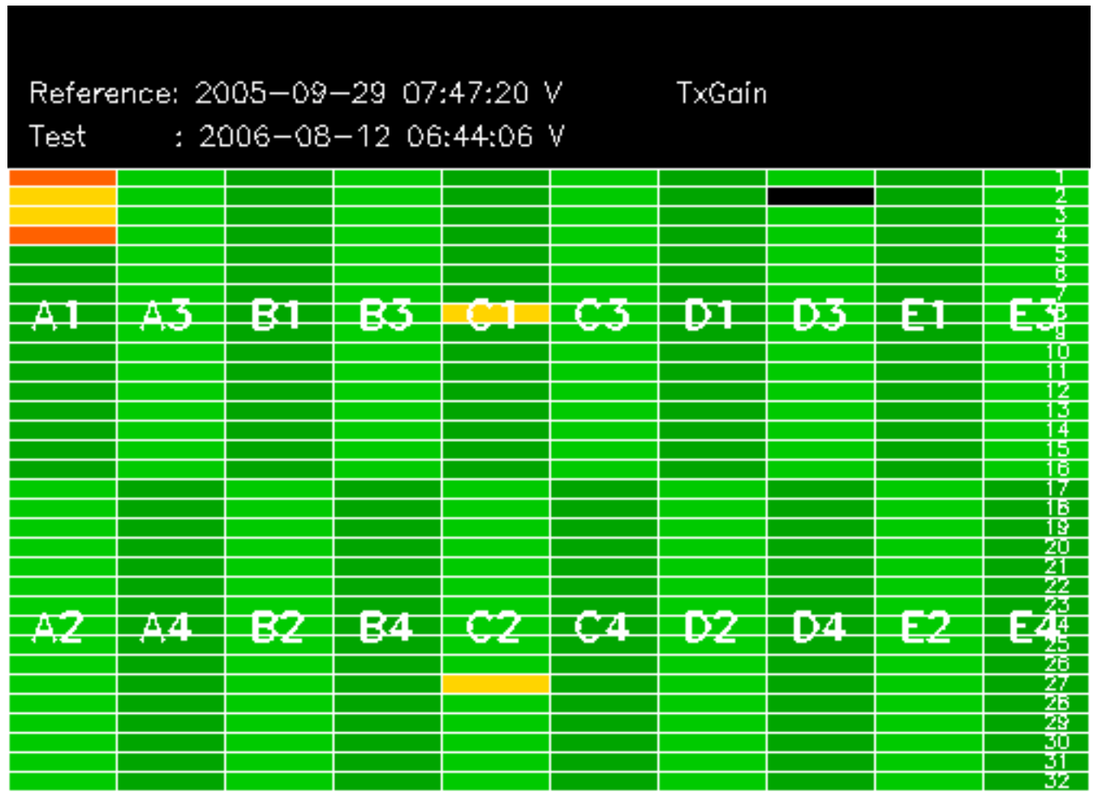
Reference: 2005-09-29 07:47:20 V
Test : 2006-08-12 06:44:06 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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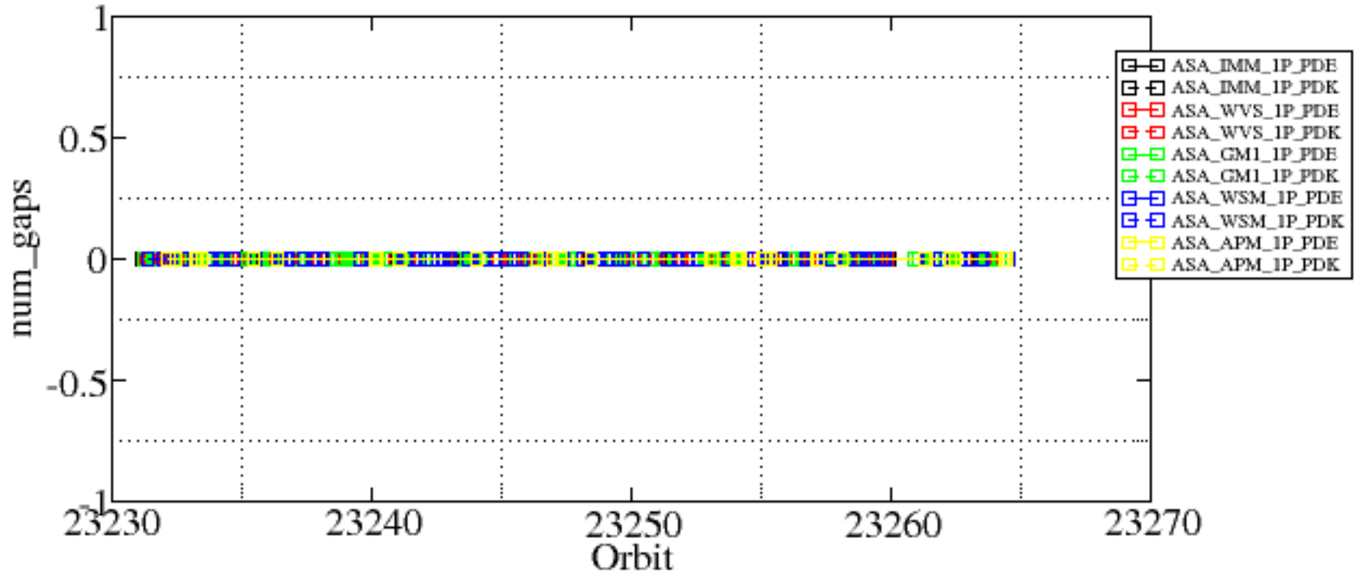
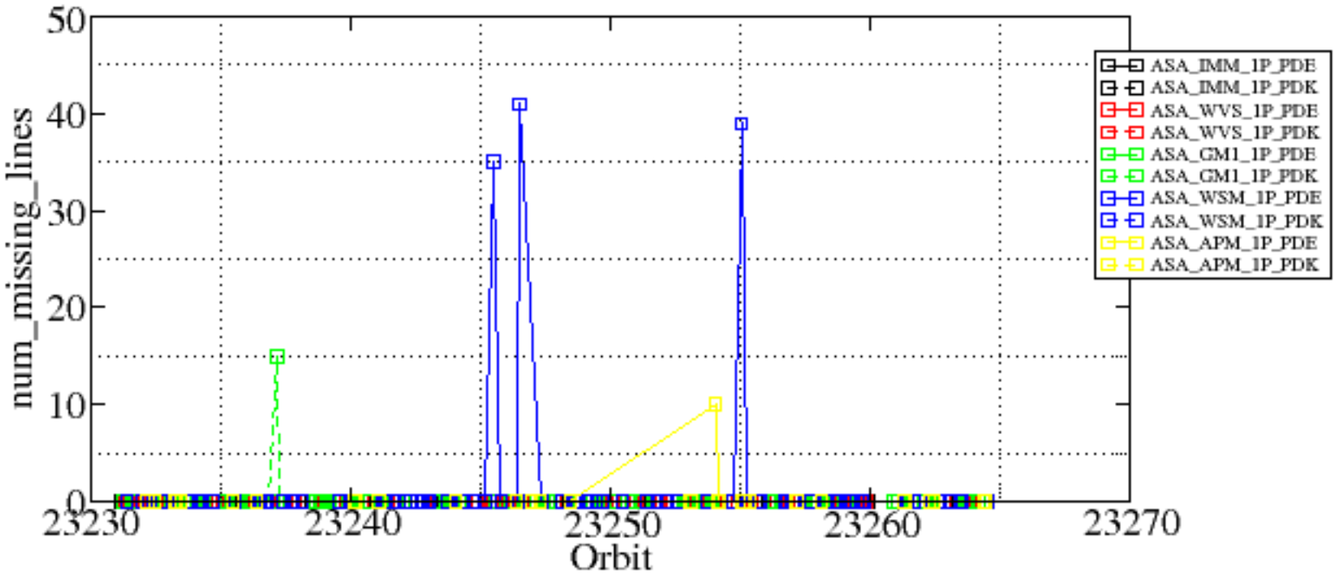
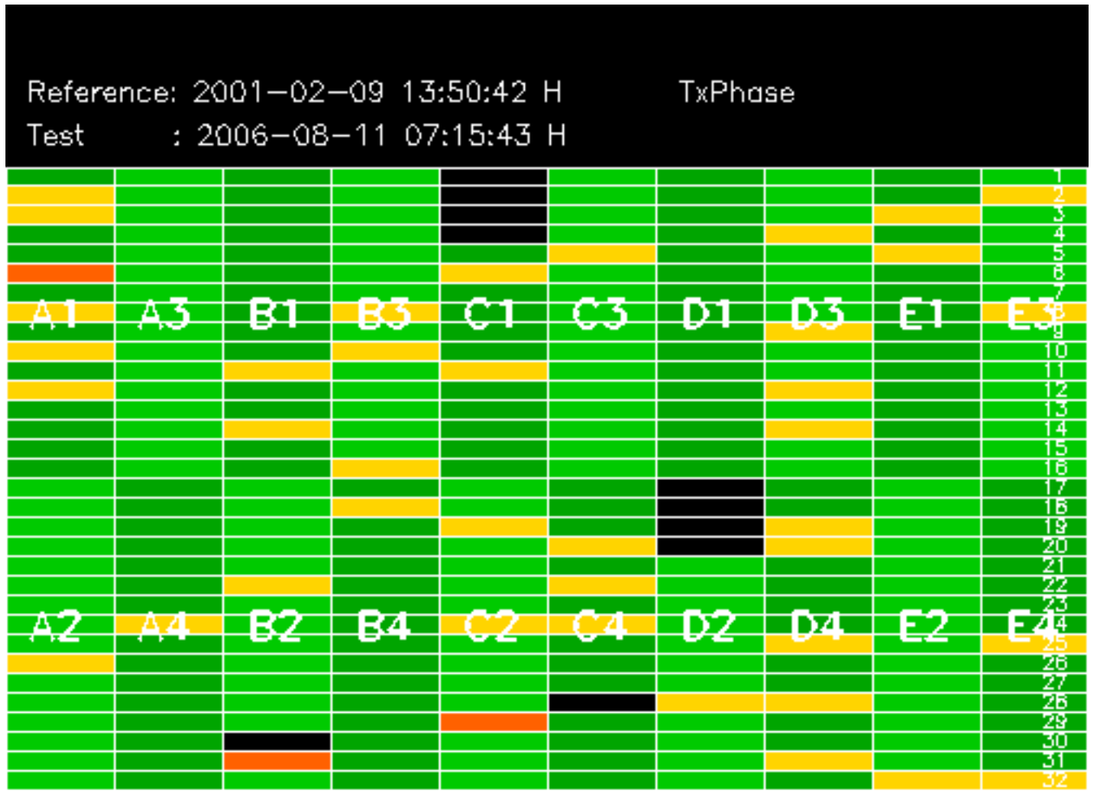
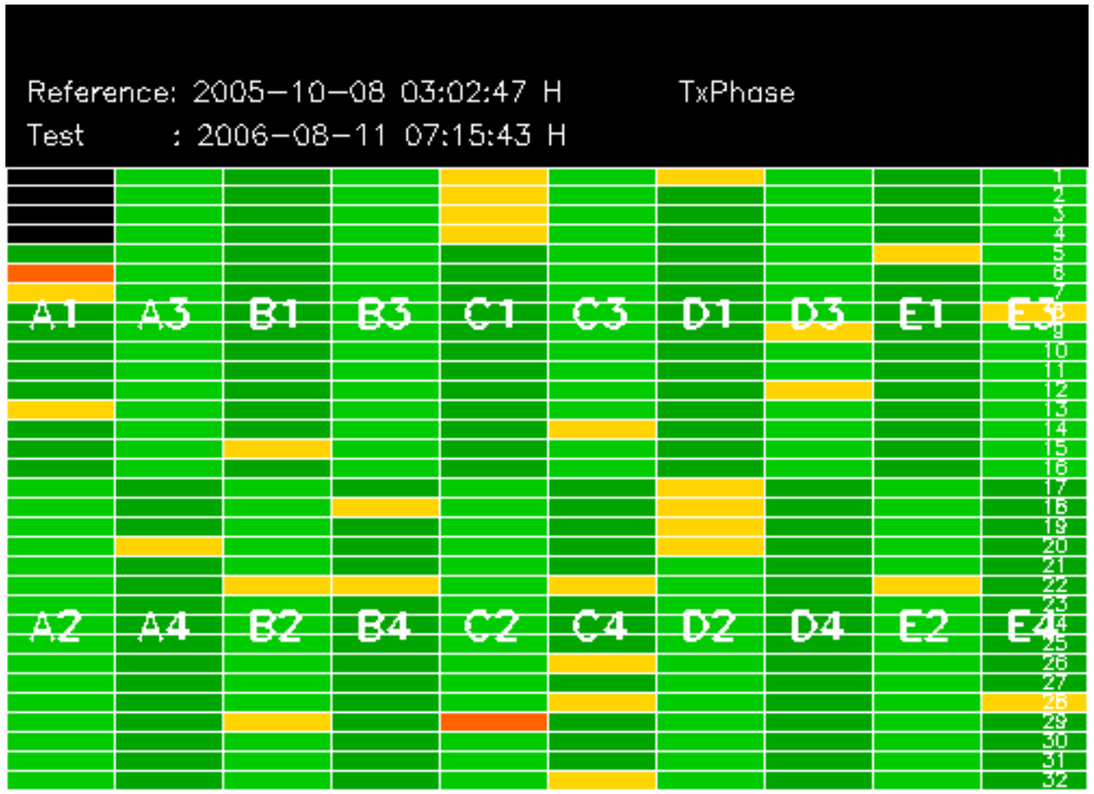
Summary of analysis for the last 3 days 2006081[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

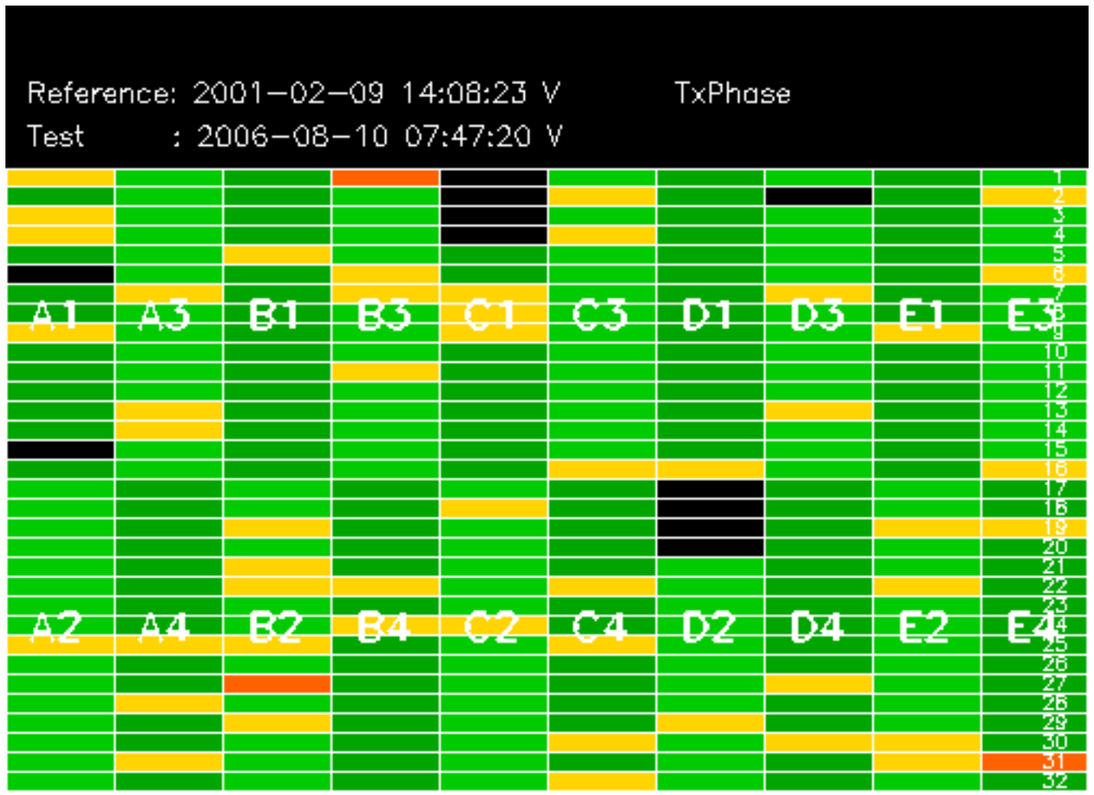
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20060810_101808_000007182050_00137_23237_2553.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060811_001402_000000862050_00145_23245_7073.N1 </td> <td>0 </td> <td>35 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060811_015537_000002082050_00146_23246_7082.N1 </td> <td>0 </td> <td>41 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060811_161601_000001642050_00155_23255_7191.N1 </td> <td>0 </td> <td>39 </td></tr>
<tr> <td>ASA_APM_1PNPDE20060811_143629_000000852050_00154_23254_1573.N1 </td> <td>0 </td> <td>10 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
23230
23240
23250
23260
23270
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
50
40
30
20
10
0
23230
23240
23250
23260
23270
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
TxPhase
Test : 2006-08-11 07:15:43 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-08-11 07:15:43 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
Test : 2006-08-10 07:47:20 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
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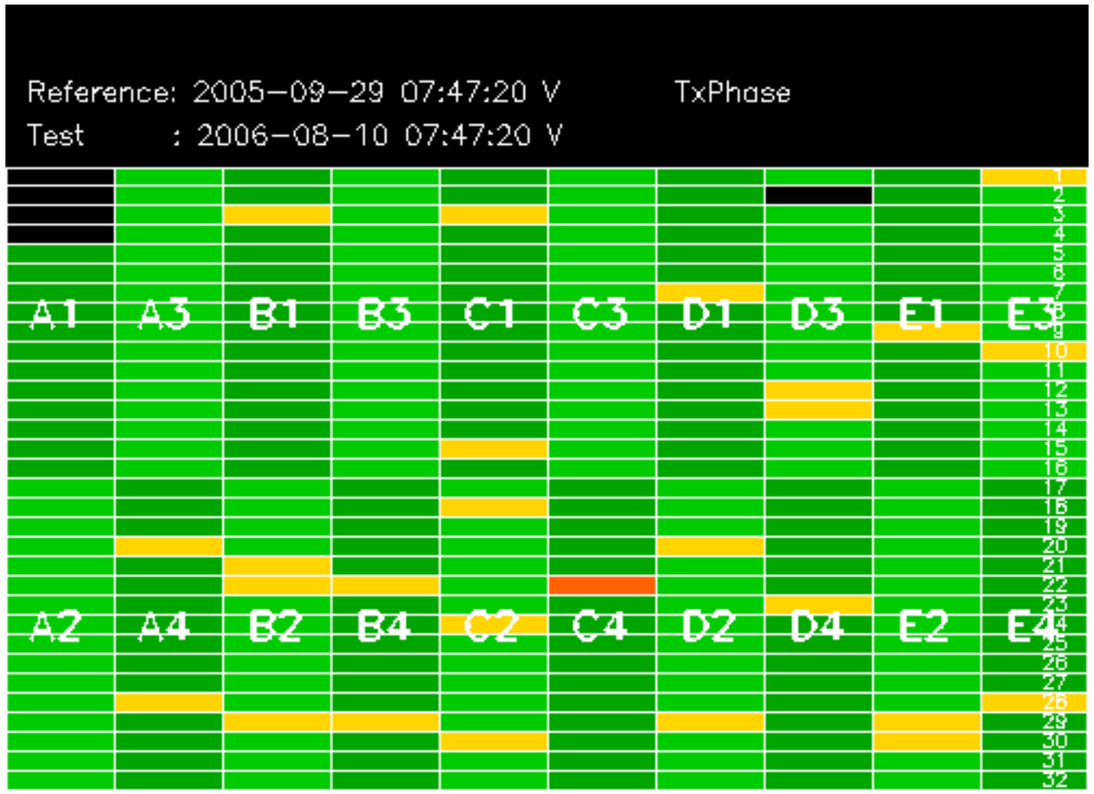
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-08-10 07:47:20 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
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10
11
12
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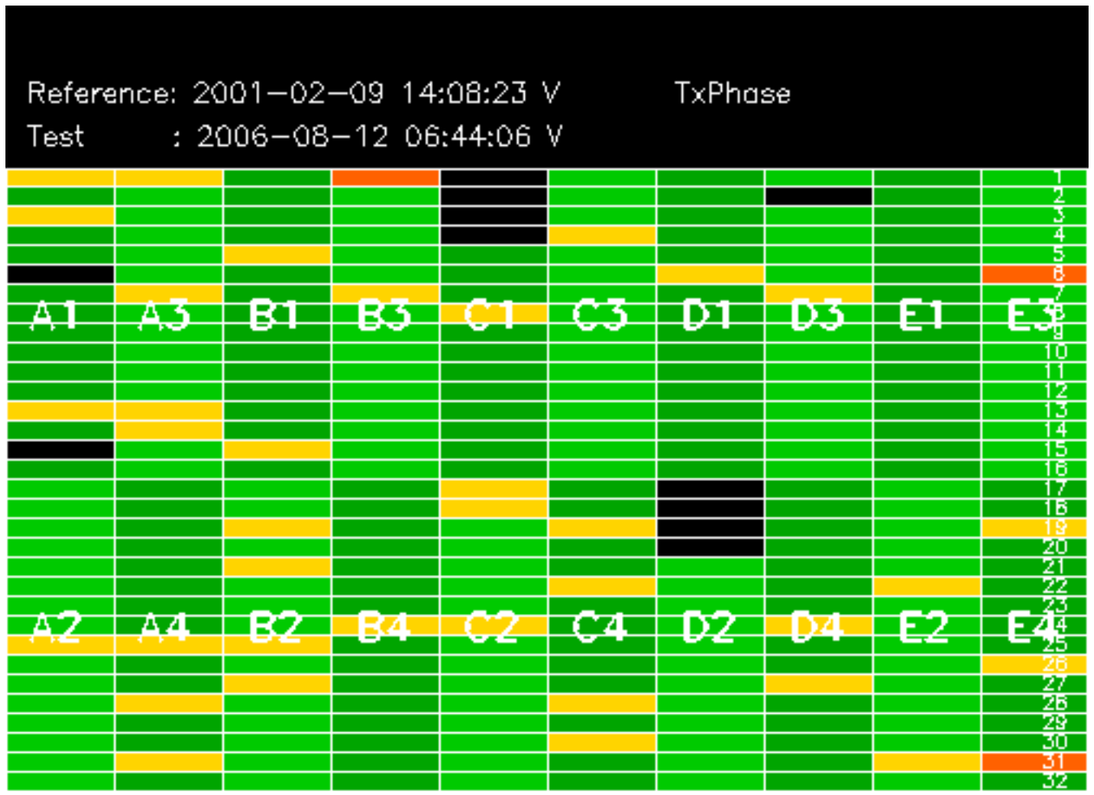
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-08-12 06:44:06 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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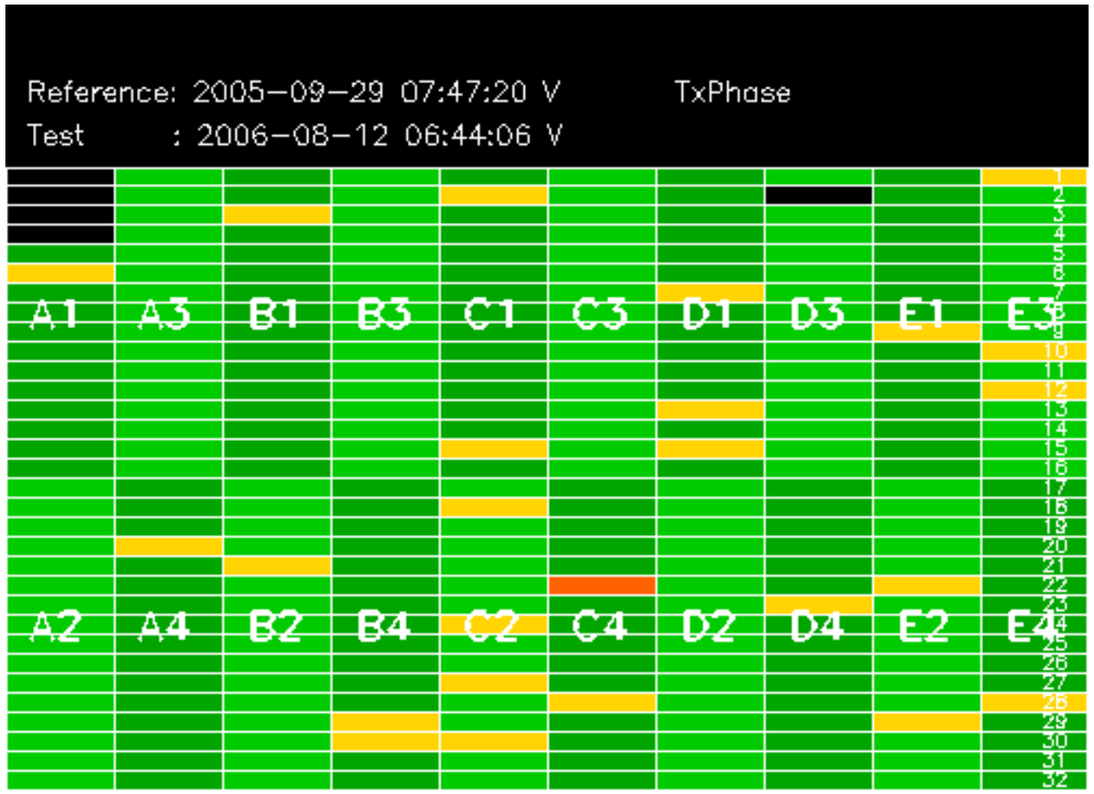
Reference: 2005-09-29 07:47:20 V
TxPhase
Test : 2006-08-12 06:44:06 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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9
10
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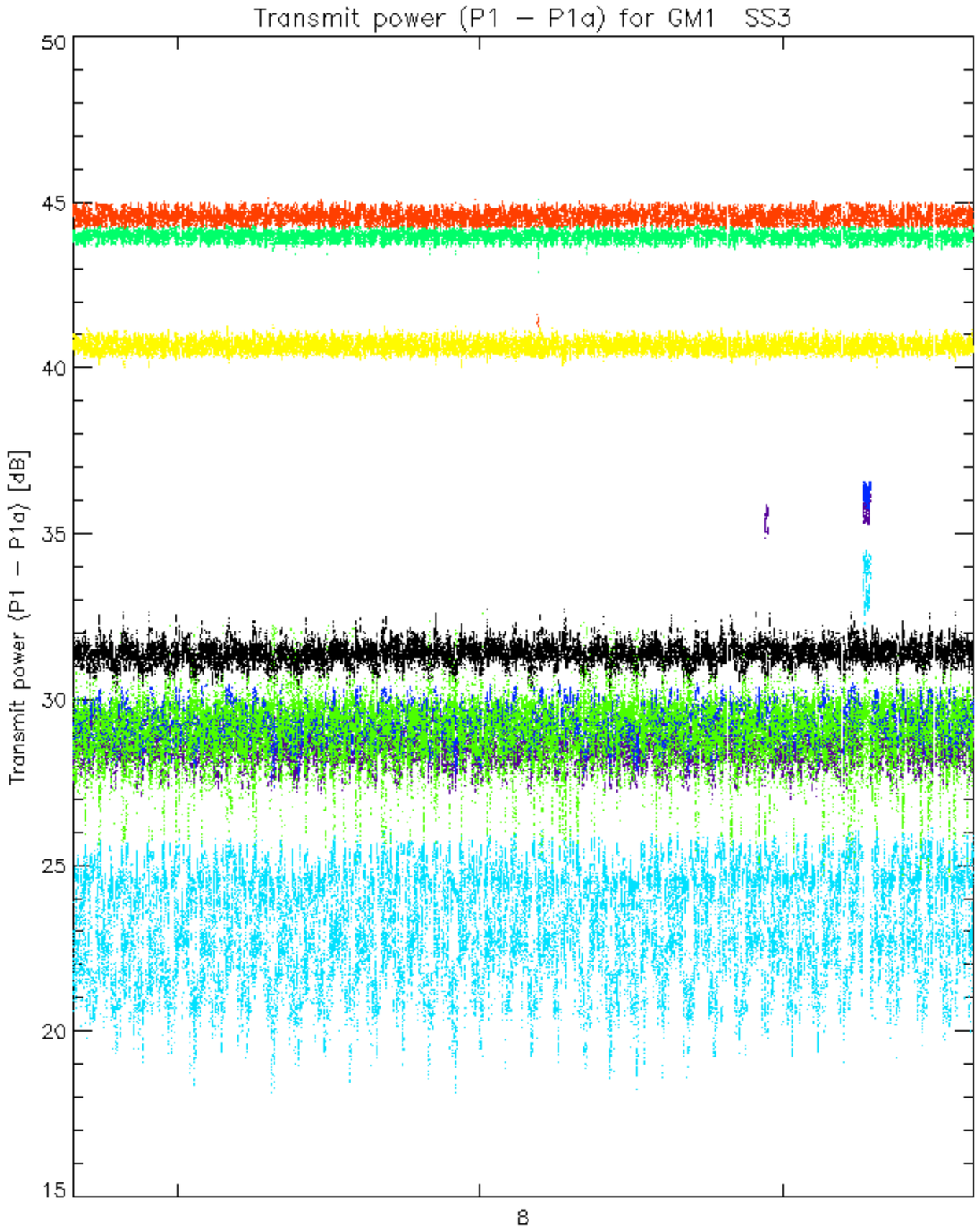
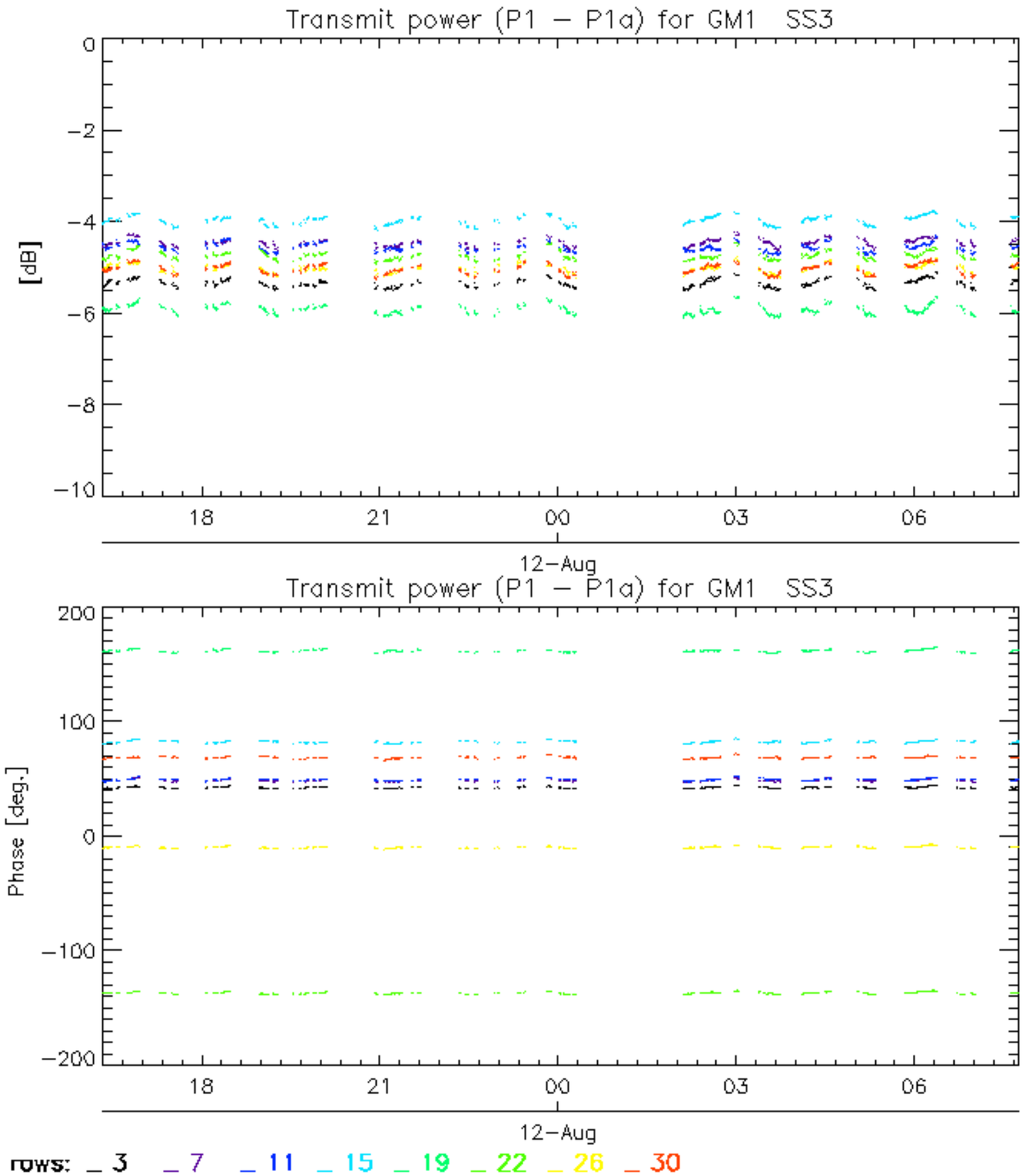
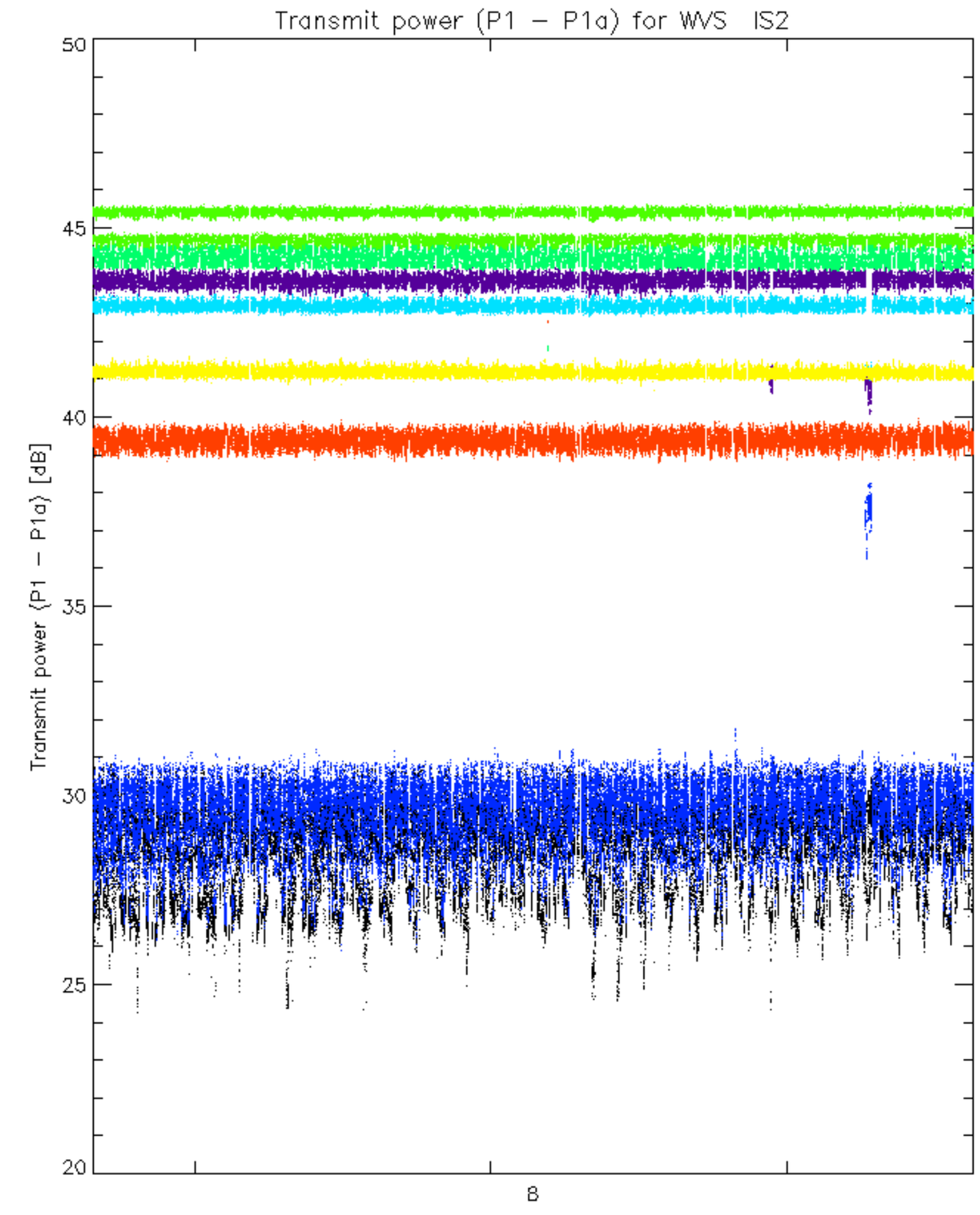
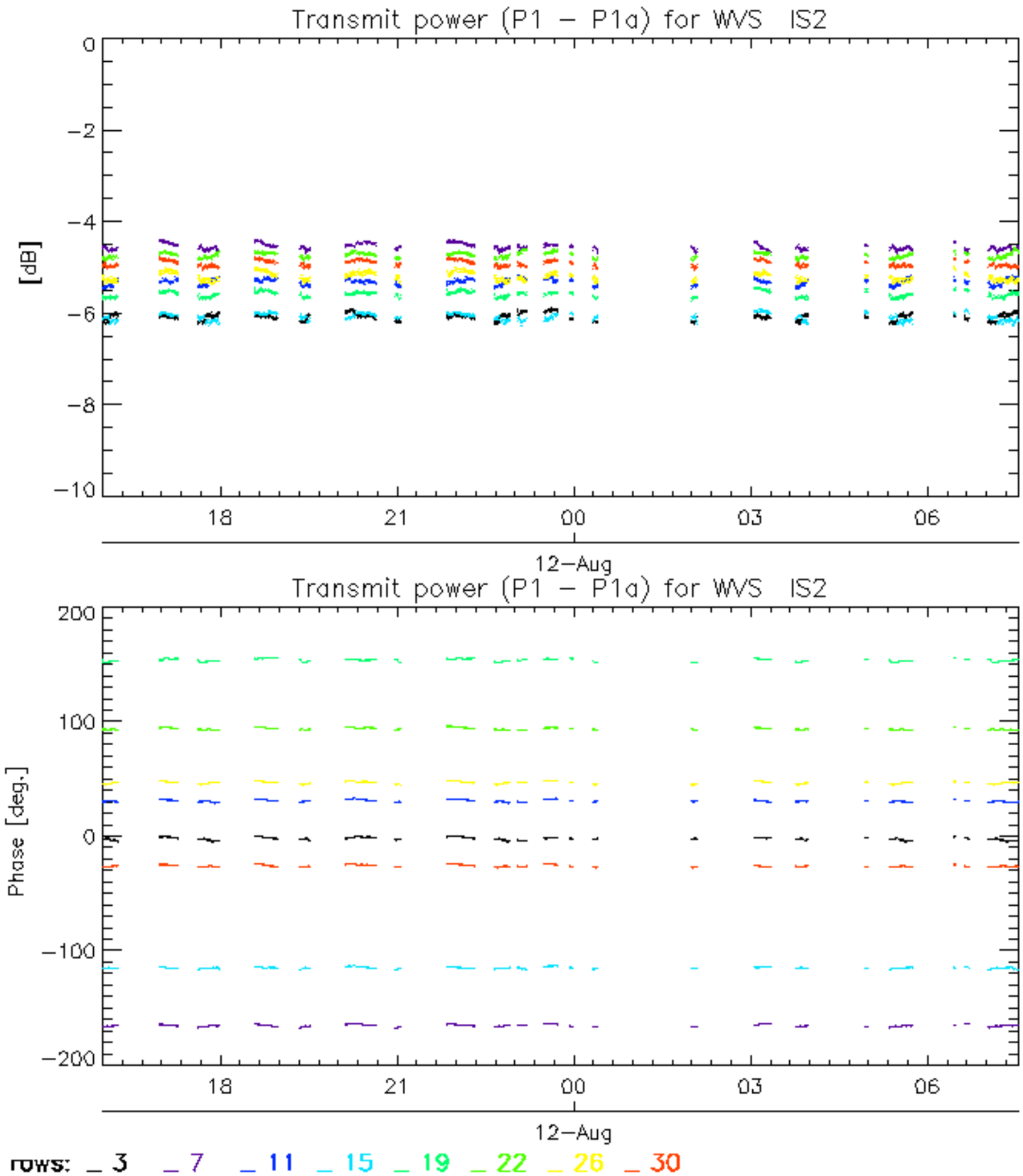

Transmit power (P1 – P1a) for GM1 SS3
Transmit power ⟨P1 – P1a⟩ [dB]
50
45
40
35
30
25
20
15
8
rows: 3 7 11 15 19 22 26 30


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


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

No unavailabilities during the reported period.