PRELIMINARY REPORT OF 060903

last update on Sun Sep 3 16:40:01 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 2006-09-02 00:00:00 to 2006-09-03 16:40:01

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	36	71	14	8	0
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	36	71	14	8	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	36	71	14	8	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	71	14	8	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	29	49	55	14	52
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	29	49	55	14	52
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	29	49	55	14	52
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	29	49	55	14	52

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	20060902 204904
H	20060901 143818

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)

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.942105	0.009852	0.004762
7	P1	-3.075527	0.051890	0.103783
11	P1	-4.081850	0.065041	0.086915
15	P1	-6.200960	0.095586	0.063571
19	P1	-3.476720	0.021195	-0.104874
22	P1	-4.563287	0.024777	0.005116
26	P1	-3.930049	0.018928	-0.031990
30	P1	-5.768346	0.058753	-0.040085
3	P1	-16.552834	0.264466	-0.062578
7	P1	-16.845102	0.644599	0.329126
11	P1	-16.828772	0.307646	0.122438
15	P1	-12.956774	0.149165	0.075114
19	P1	-14.542499	0.172315	-0.189127
22	P1	-15.819886	0.554284	0.313947
26	P1	-15.176459	0.203690	-0.123913
30	P1	-16.996876	0.347238	0.164628

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.859798	0.084784	0.102531
7	P2	-21.858179	0.099400	-0.004266
11	P2	-15.748948	0.113106	0.038389
15	P2	-7.098968	0.098484	0.028423
19	P2	-9.113865	0.092143	0.007656
22	P2	-18.132034	0.086210	0.038426
26	P2	-16.397112	0.093327	-0.007622
30	P2	-19.476242	0.091113	0.031627

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.173071	0.003851	-0.008095
7	P3	-8.173071	0.003851	-0.008095
11	P3	-8.173071	0.003851	-0.008095
15	P3	-8.173071	0.003851	-0.008095
19	P3	-8.173071	0.003851	-0.008095
22	P3	-8.173071	0.003851	-0.008095
26	P3	-8.173122	0.003850	-0.008042
30	P3	-8.173122	0.003850	-0.008042

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	-3.834000	0.021410	-0.021380
7	P1	-2.496419	0.282860	0.227870
11	P1	-2.899340	0.141569	0.087001
15	P1	-3.658912	0.145701	0.046623
19	P1	-3.442845	0.054484	-0.095330
22	P1	-5.083639	0.034212	0.001398
26	P1	-5.871198	0.024765	-0.023694
30	P1	-5.194583	0.064618	-0.038409
3	P1	-11.629455	0.067075	-0.017308
7	P1	-9.917894	0.188183	0.085511
11	P1	-10.306982	0.084062	-0.065843
15	P1	-10.828709	0.176152	-0.092985
19	P1	-15.619664	2.315275	-0.547566
22	P1	-20.860317	1.741633	0.286281
26	P1	-16.066868	0.410726	0.313545
30	P1	-17.994713	0.727975	-0.045503

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.454897	0.082016	0.109263
7	P2	-22.243214	0.196232	0.122867
11	P2	-10.934372	0.056089	0.110997
15	P2	-4.874668	0.042209	0.033960
19	P2	-6.853405	0.040926	0.022161
22	P2	-8.176131	0.062163	0.040251
26	P2	-24.166931	0.127578	0.013645
30	P2	-21.965303	0.078097	0.024793

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.015098	0.003714	-0.013103
7	P3	-8.015014	0.003723	-0.013170
11	P3	-8.015063	0.003722	-0.012602
15	P3	-8.015069	0.003723	-0.012658
19	P3	-8.015144	0.003739	-0.013151
22	P3	-8.015206	0.003708	-0.012965
26	P3	-8.015064	0.003716	-0.013142
30	P3	-8.015040	0.003719	-0.012816

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000554057
	stdev	1.76036e-07
MEAN Q	mean	0.000532952
	stdev	2.15042e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136540
	stdev	0.00107580
STDEV Q	mean	0.136886
	stdev	0.00109225

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006090[123]
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_1PNPDE20060903_005612_000000342050_00475_23575_5292.N1	1	0
ASA_GM1_1PNPDK20060901_084711_000006702050_00451_23551_3941.N1	0	21
ASA_WSM_1PNPDE20060901_183643_000002072050_00457_23557_0466.N1	0	67
ASA_WSM_1PNPDE20060902_020157_000000862050_00461_23561_0501.N1	0	34
ASA_WSM_1PNPDE20060902_180620_000001292050_00471_23571_0584.N1	0	67
ASA_WSM_1PNPDE20060902_230551_000001092050_00474_23574_0618.N1	0	2
ASA_WSM_1PNPDE20060903_062830_000000852050_00478_23578_0648.N1	0	2

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.5 - Absolute Doppler for GM1

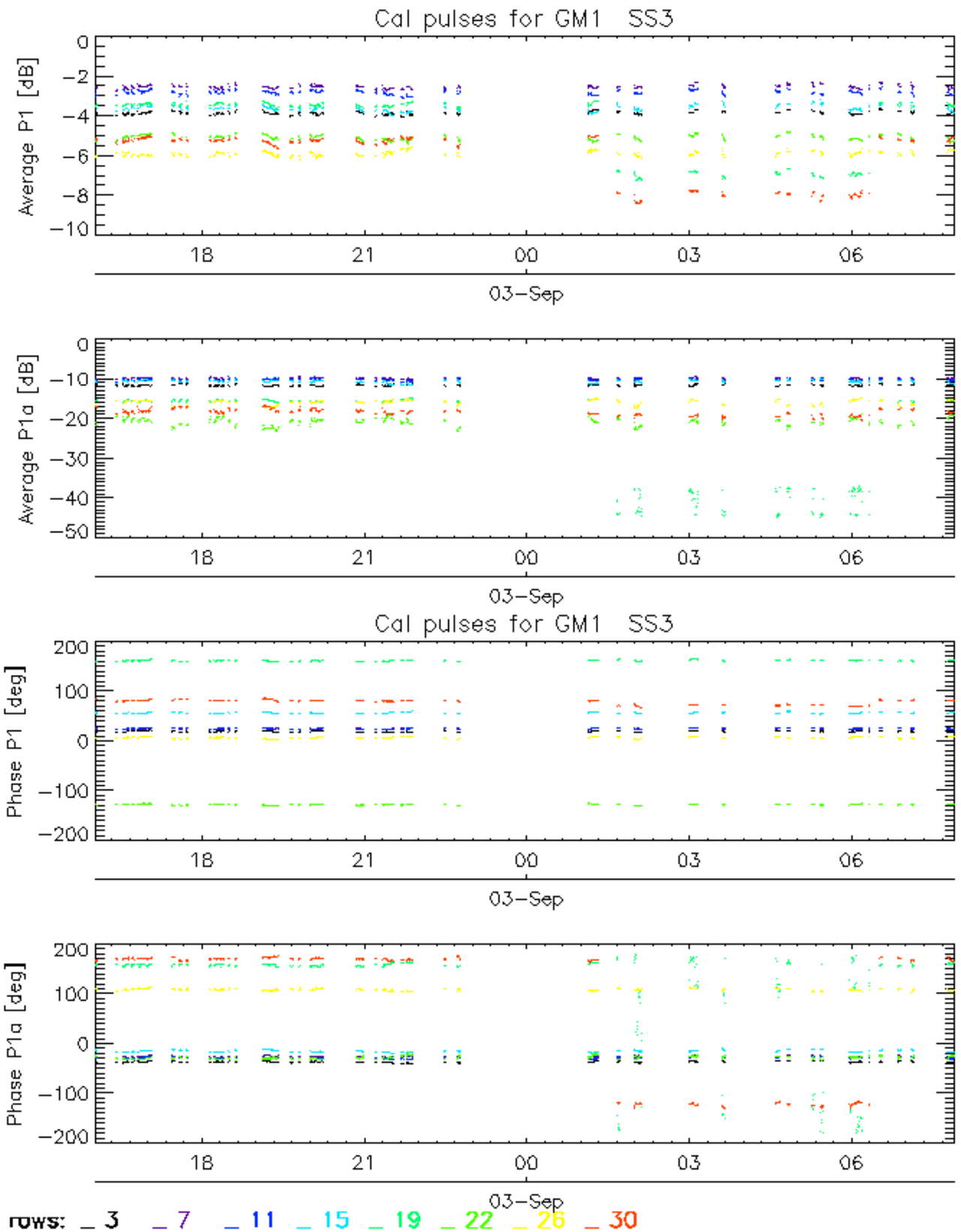
Evolution of Absolute Doppler

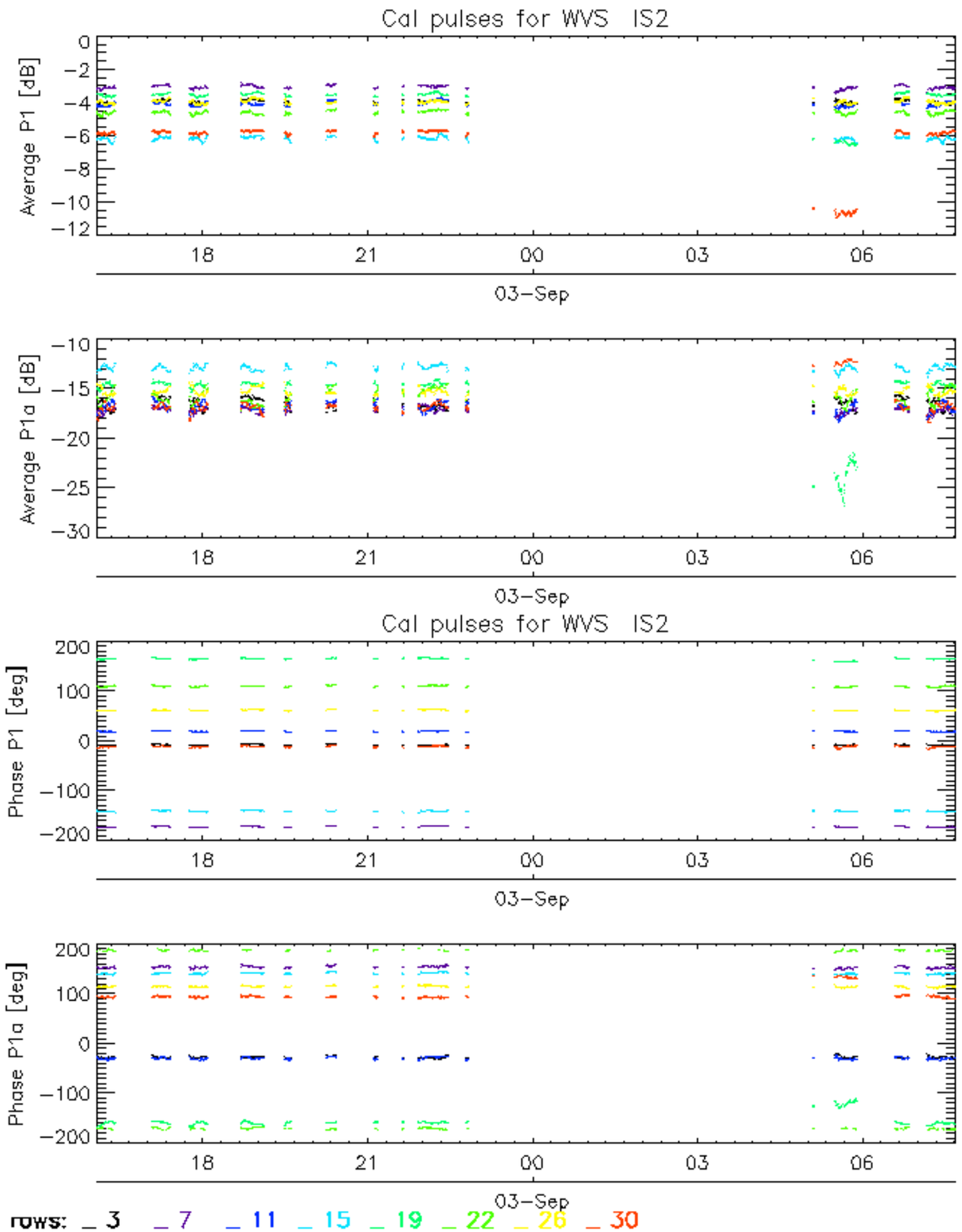
Acsending

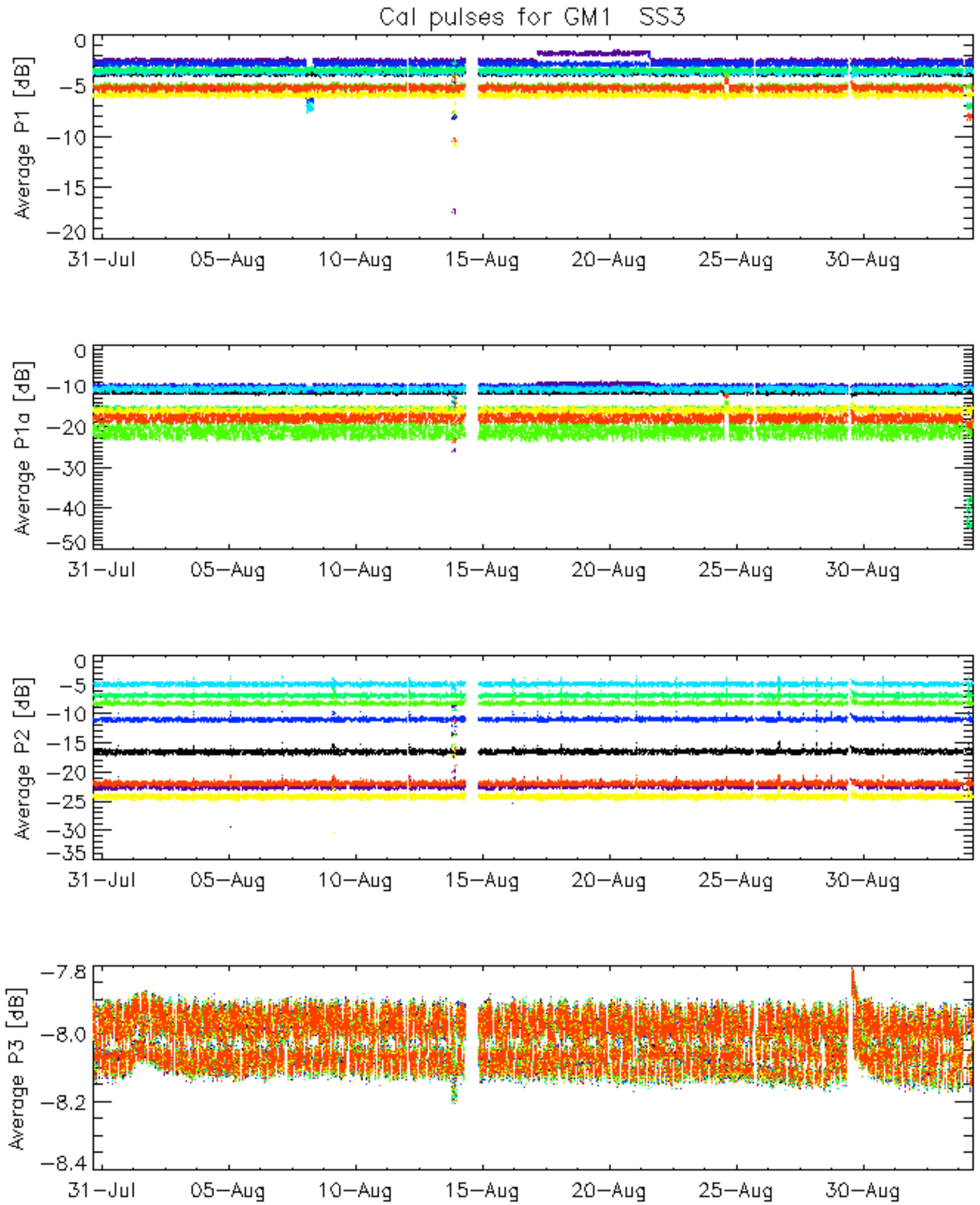
Descending

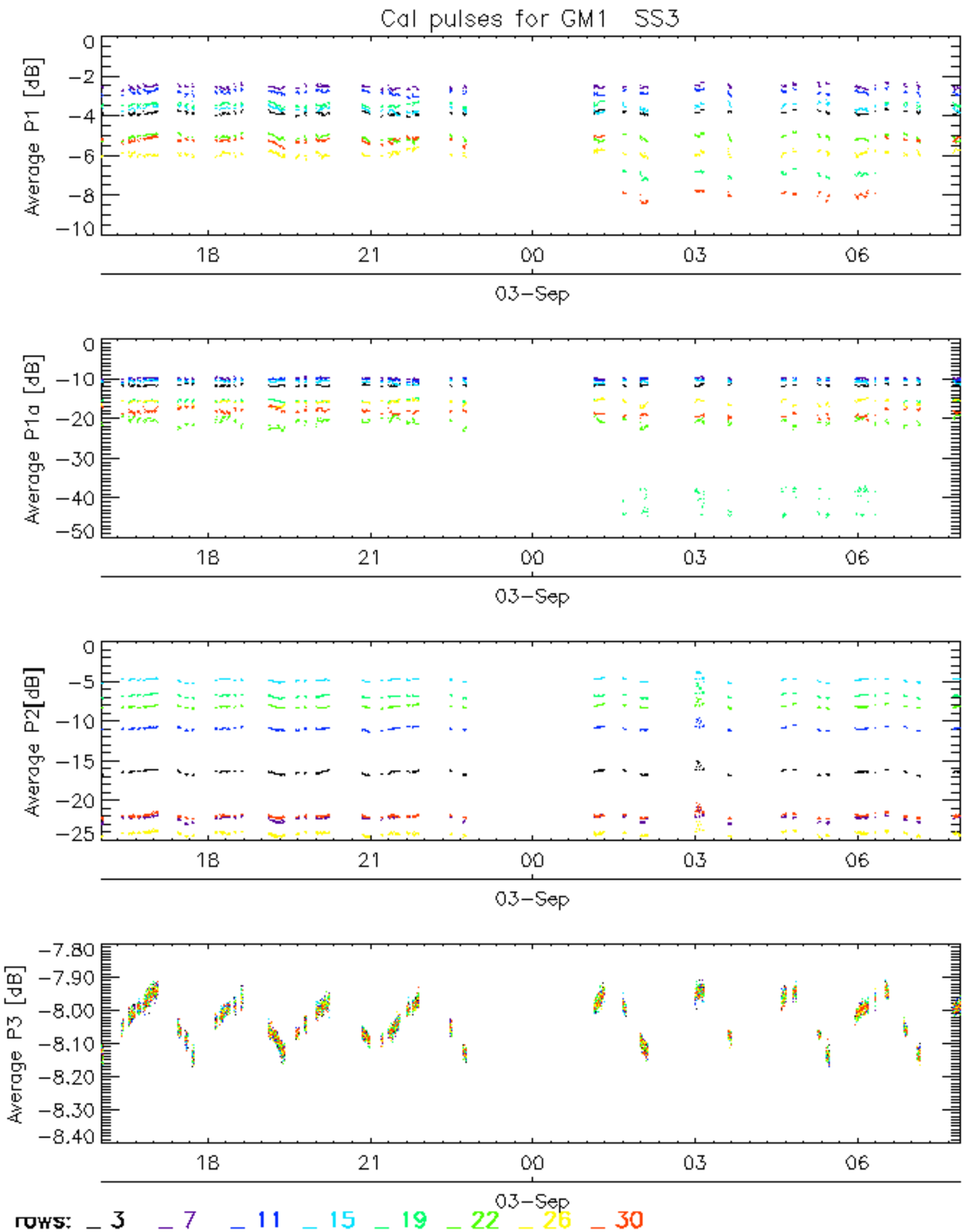
7.6 - Doppler evolution versus ANX for GM1

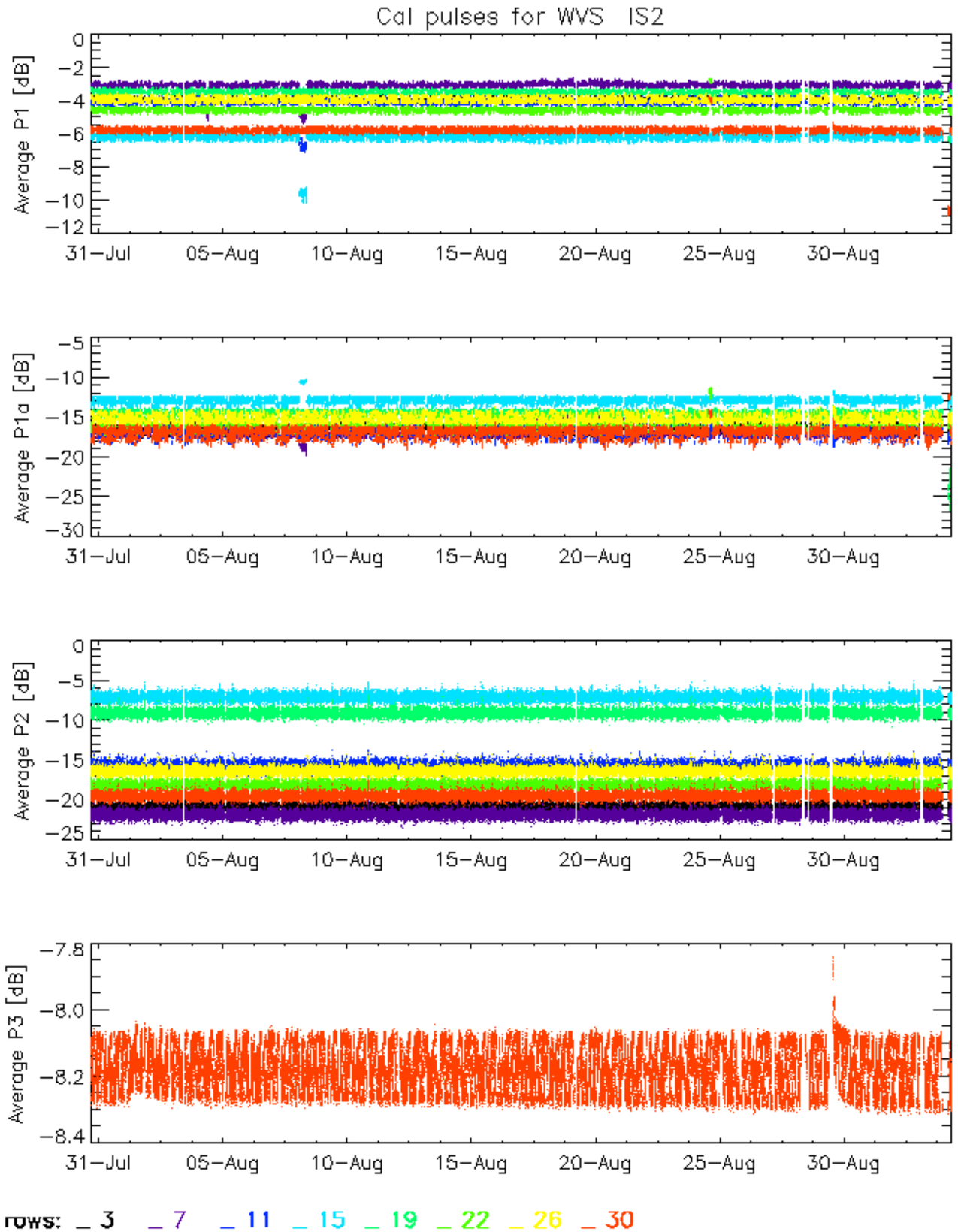
Evolution Doppler error versus ANX

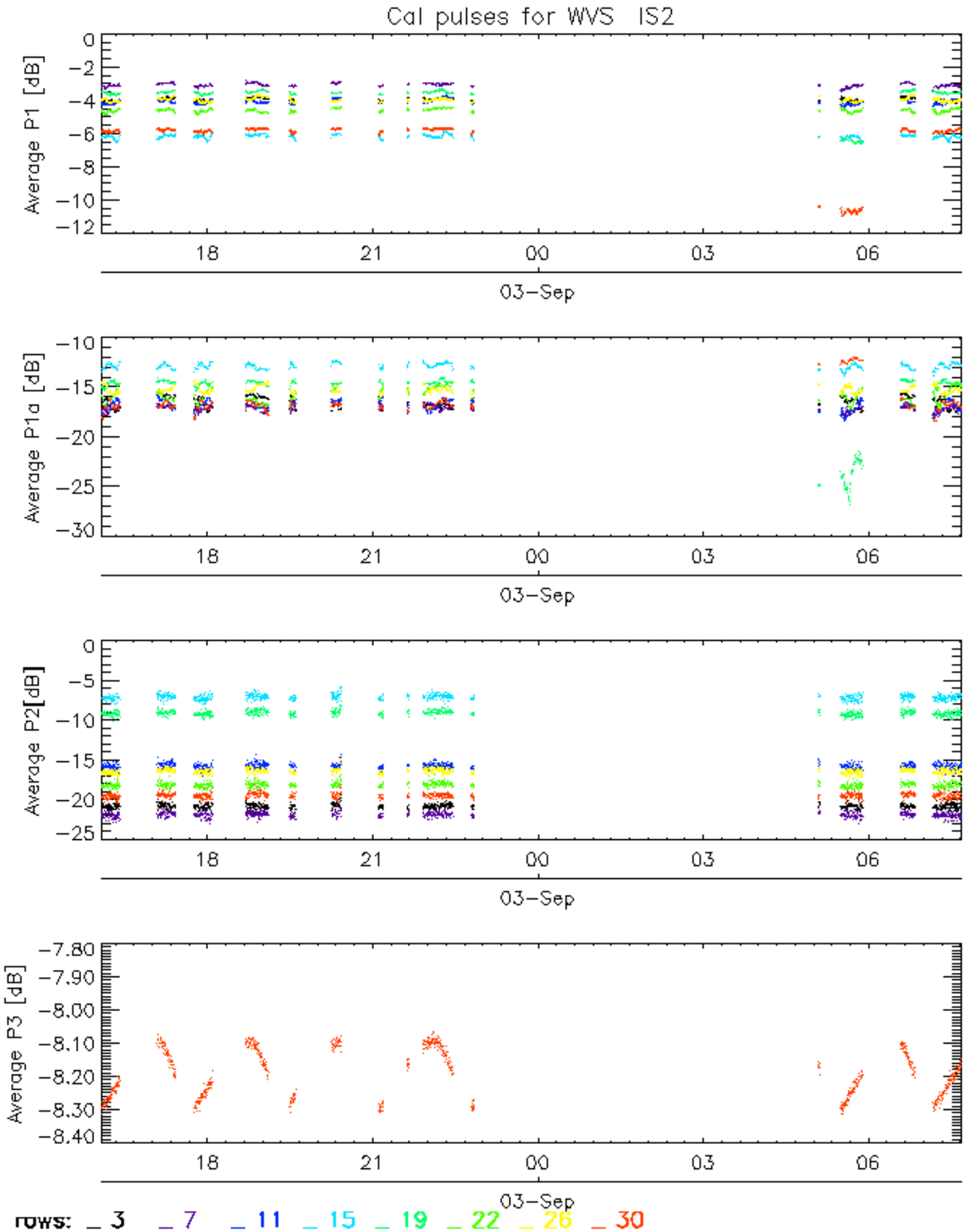


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
03−Sep
Average P1a [dB]
0
−10
−20
−30
−40
−50
18
21
00
03
06
03−Sep
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Sep
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Sep
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
18
21
00
03
06
03−Sep
Average P1a [dB]
−10
−15
−20
−25
−30
18
21
00
03
06
03−Sep
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Sep
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Sep
rows: 3 7 11 15 19 22 26 30

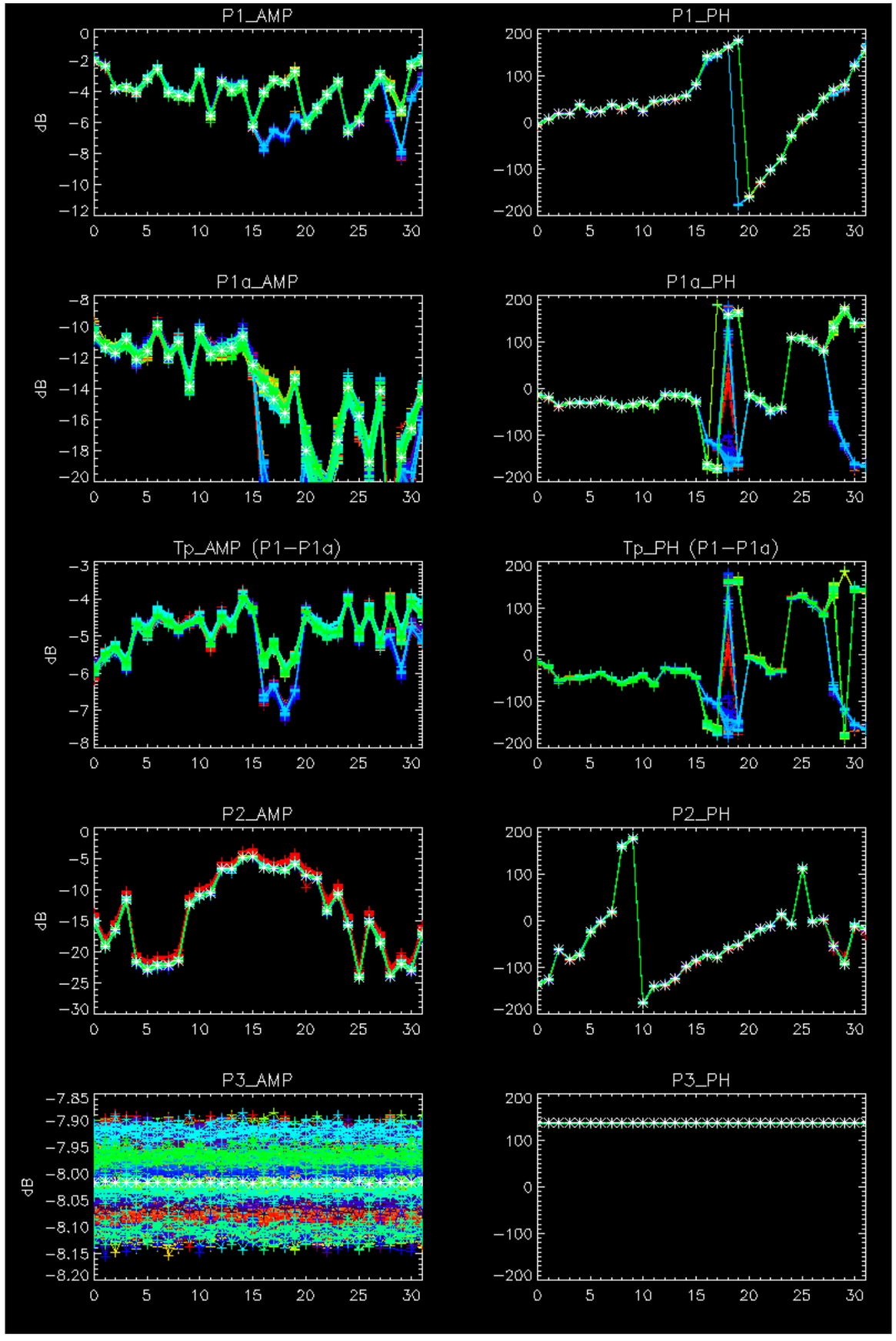

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
31−Jul
05−Aug
10−Aug
15−Aug
20−Aug
25−Aug
30−Aug
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
−35
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

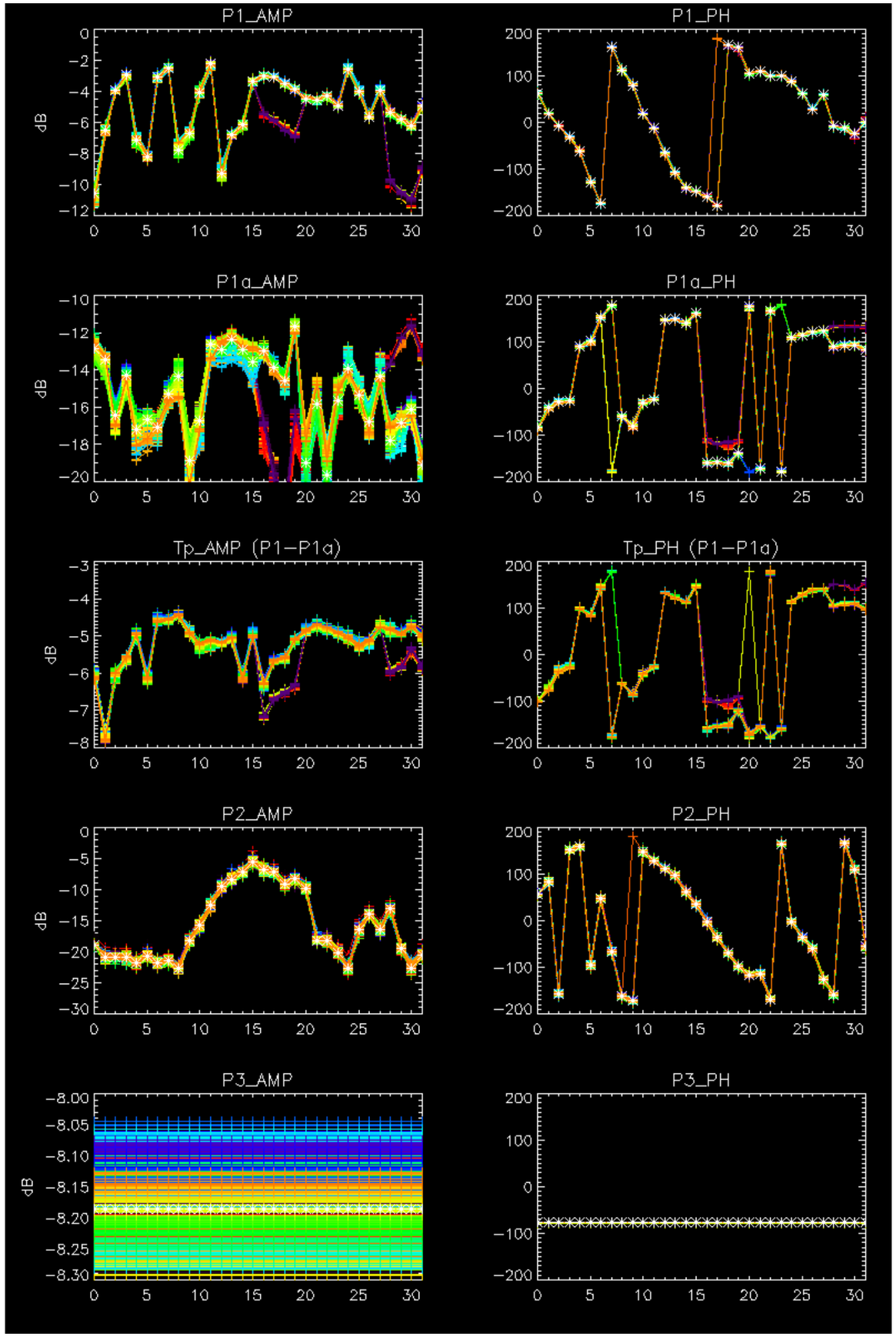

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
03−Sep
Average P1a [dB]
0
−10
−20
−30
−40
−50
18
21
00
03
06
03−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
03−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
03−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
31−Jul
05−Aug
10−Aug
15−Aug
20−Aug
25−Aug
30−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
18
21
00
03
06
03−Sep
Average P1a [dB]
−10
−15
−20
−25
−30
18
21
00
03
06
03−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
03−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
03−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

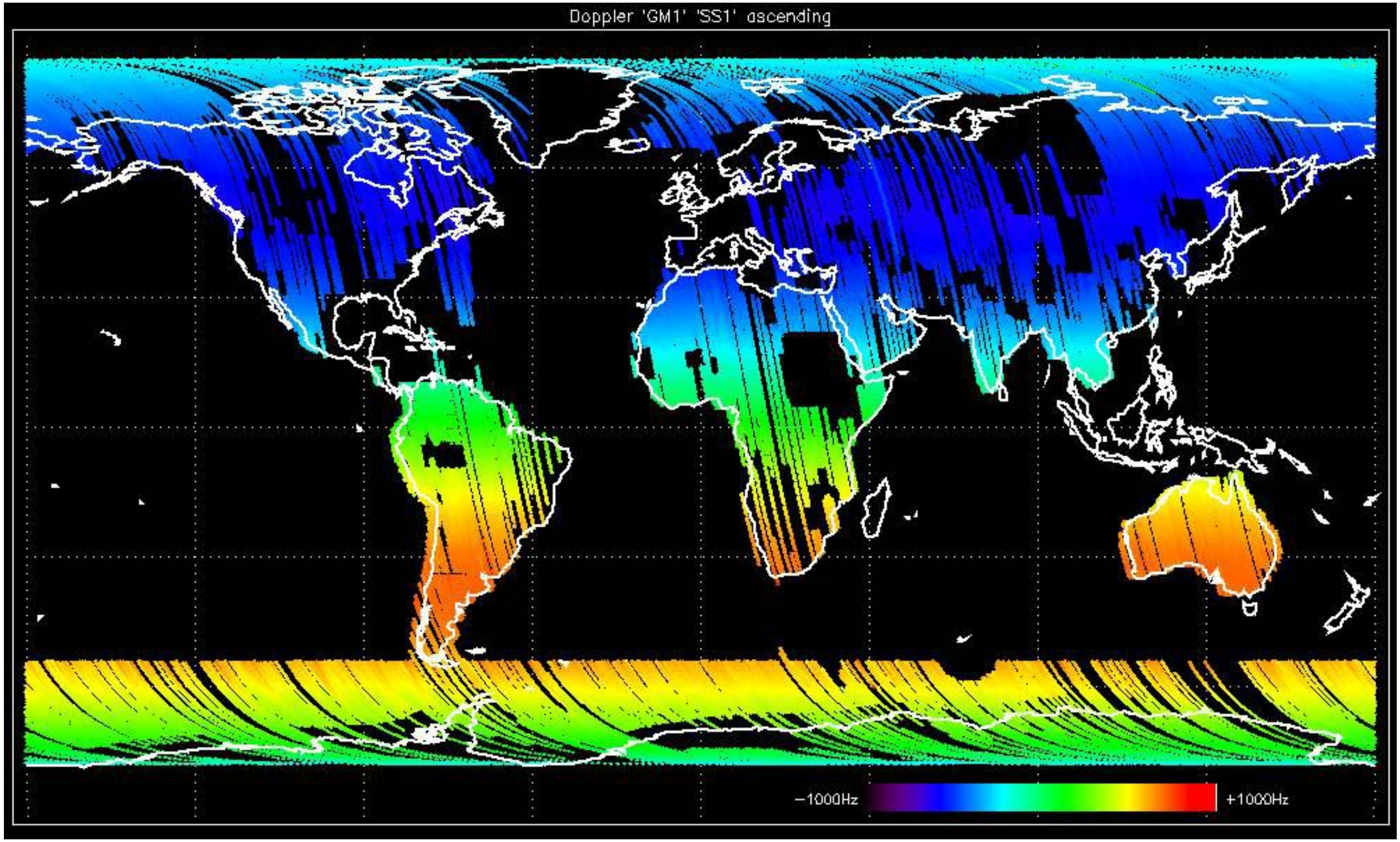
No anomalies observed.

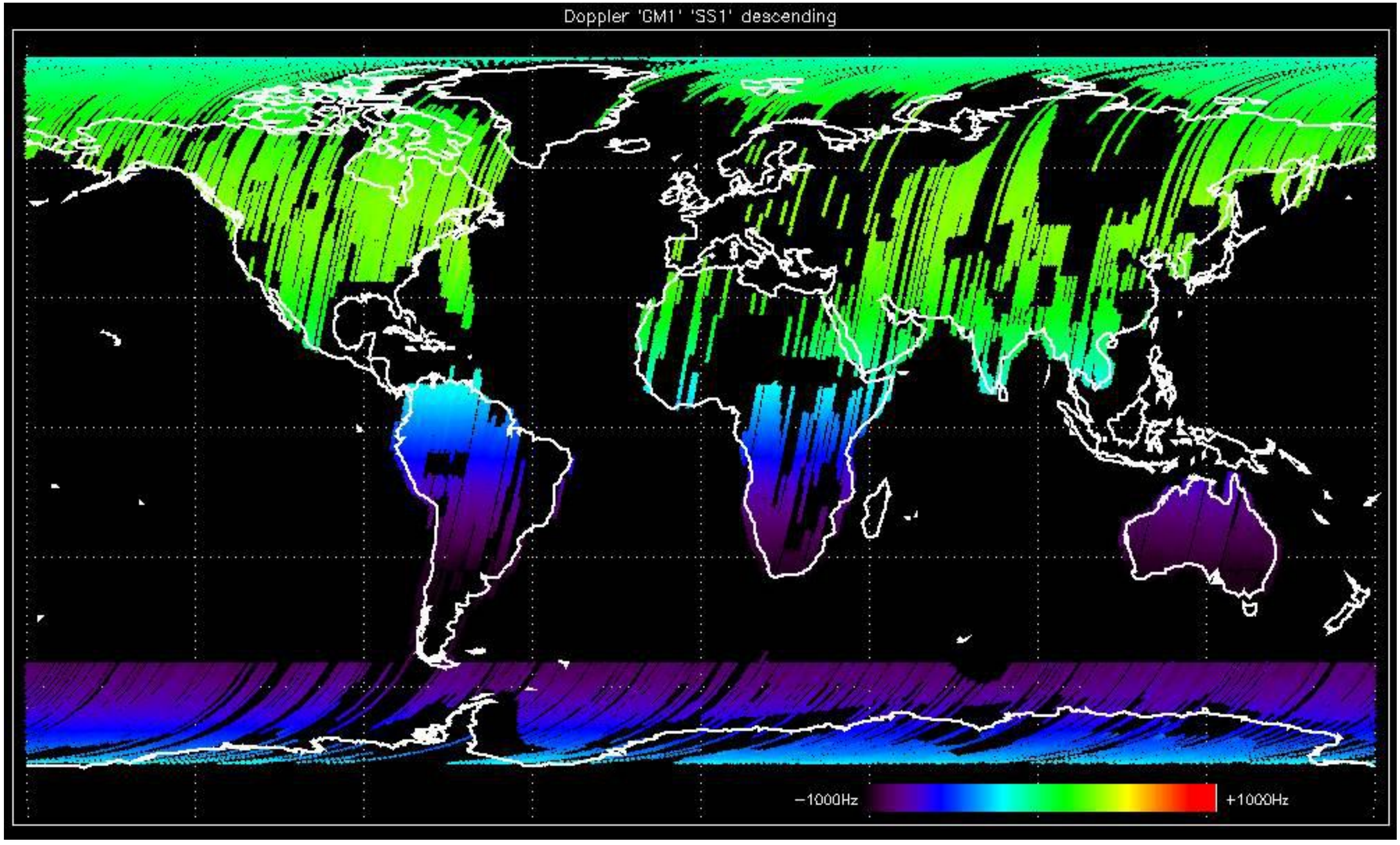

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

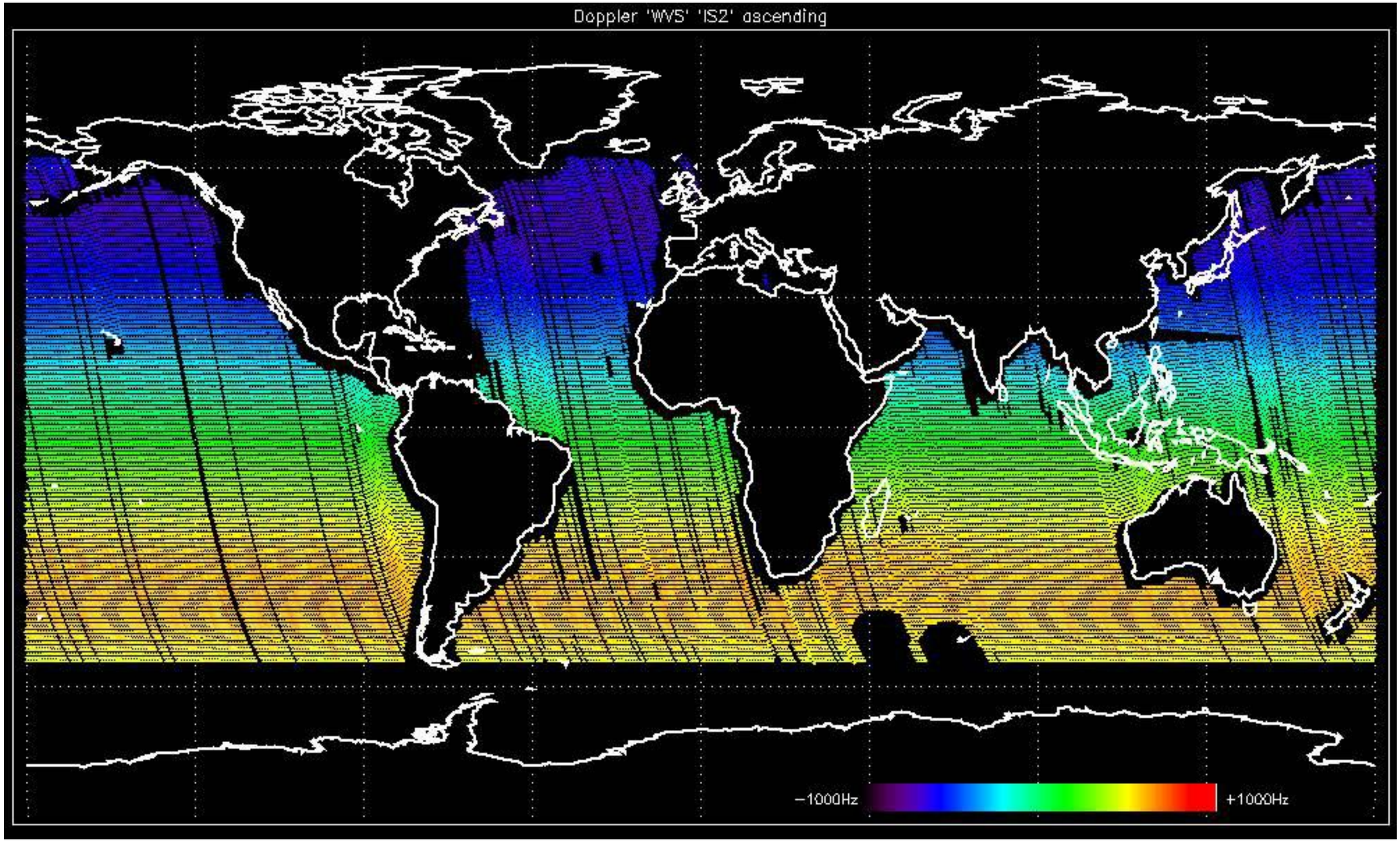

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

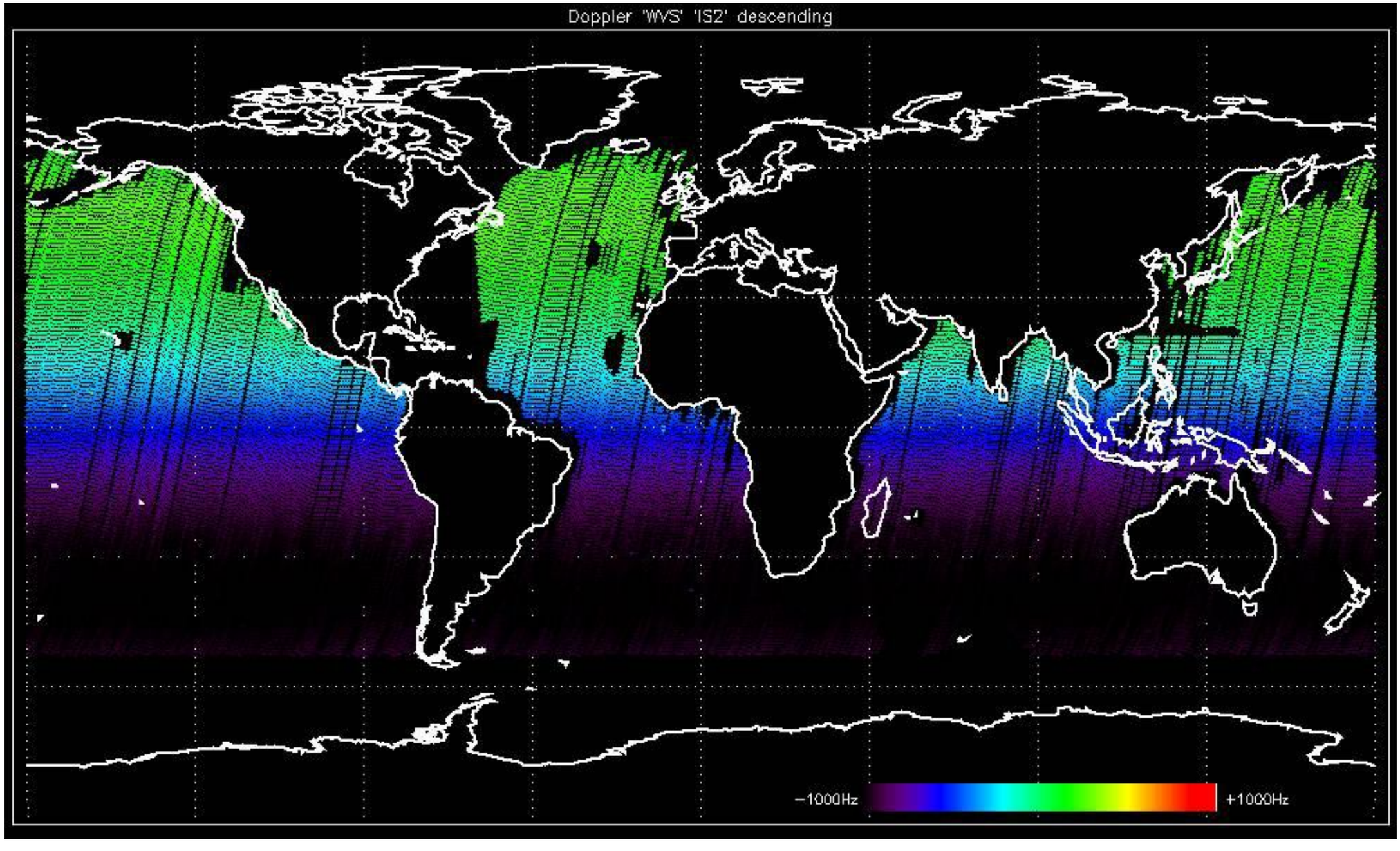
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

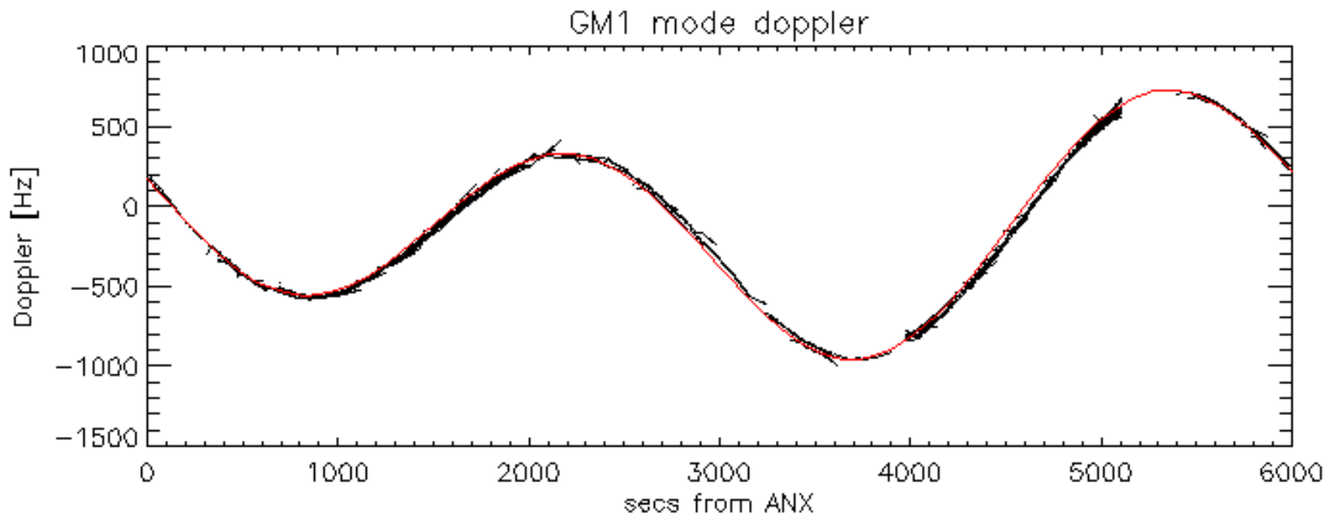
Preliminary report.The data is not yet controled

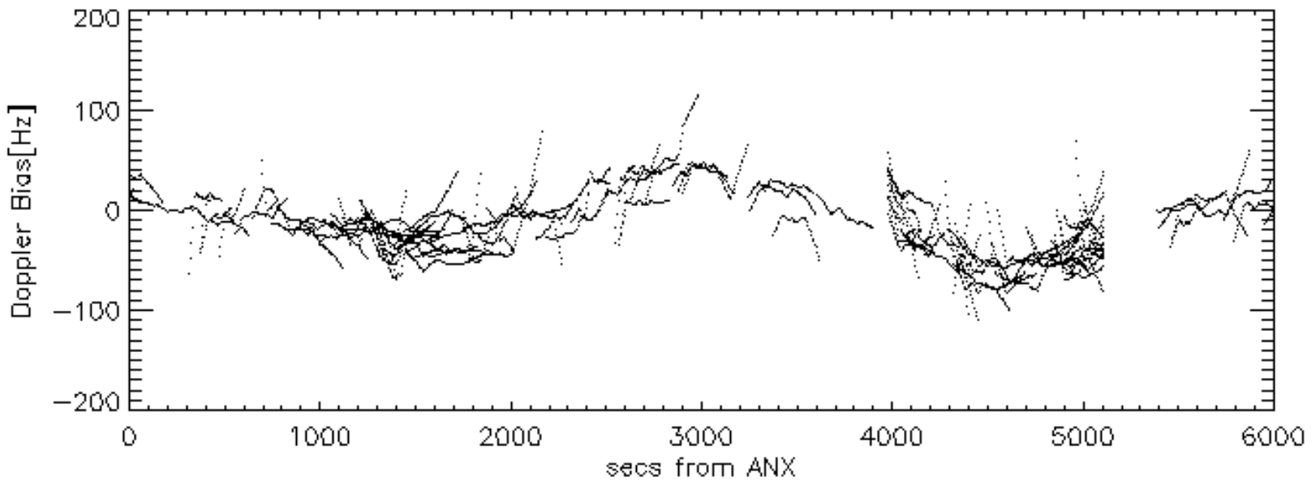

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

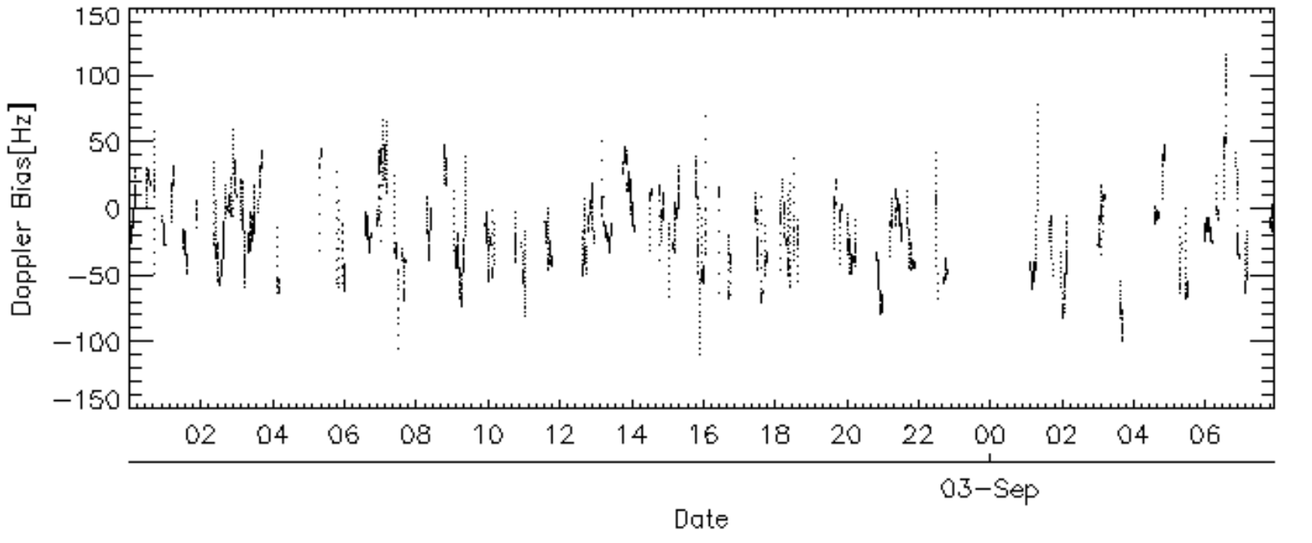

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

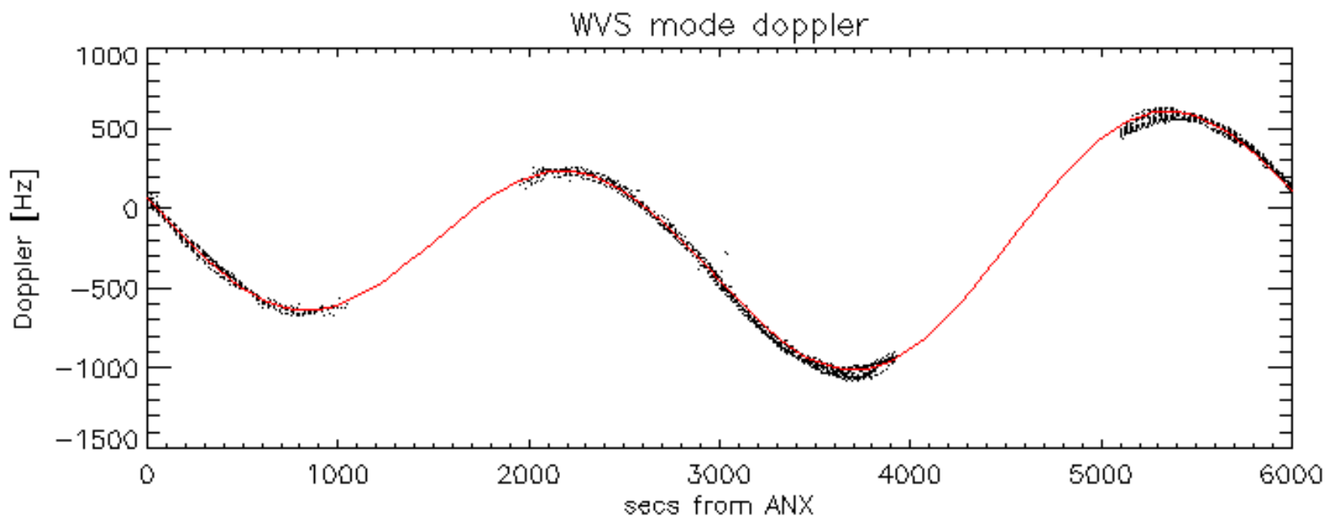

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

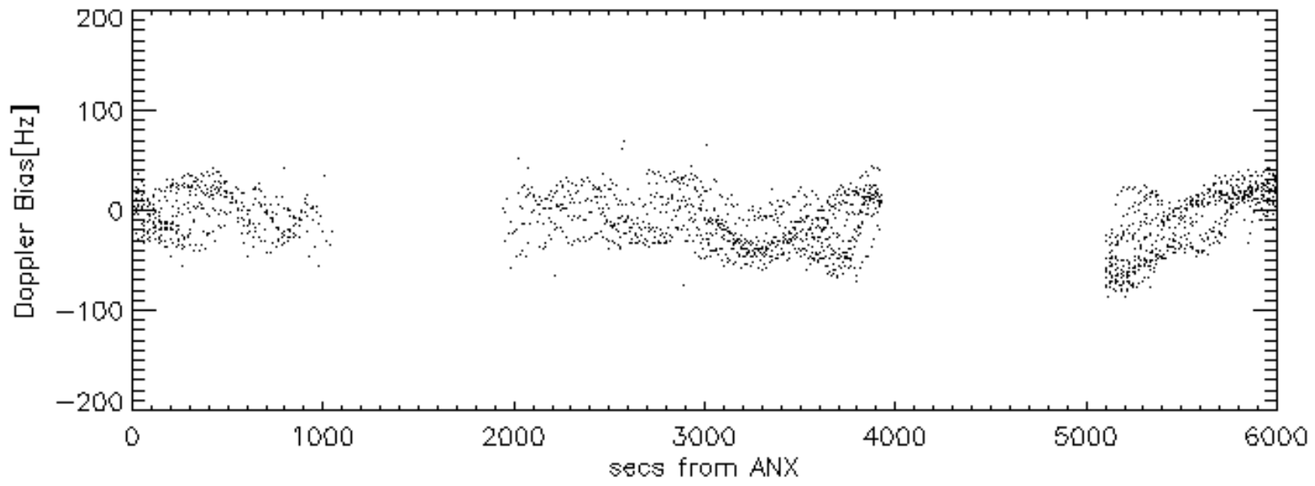

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

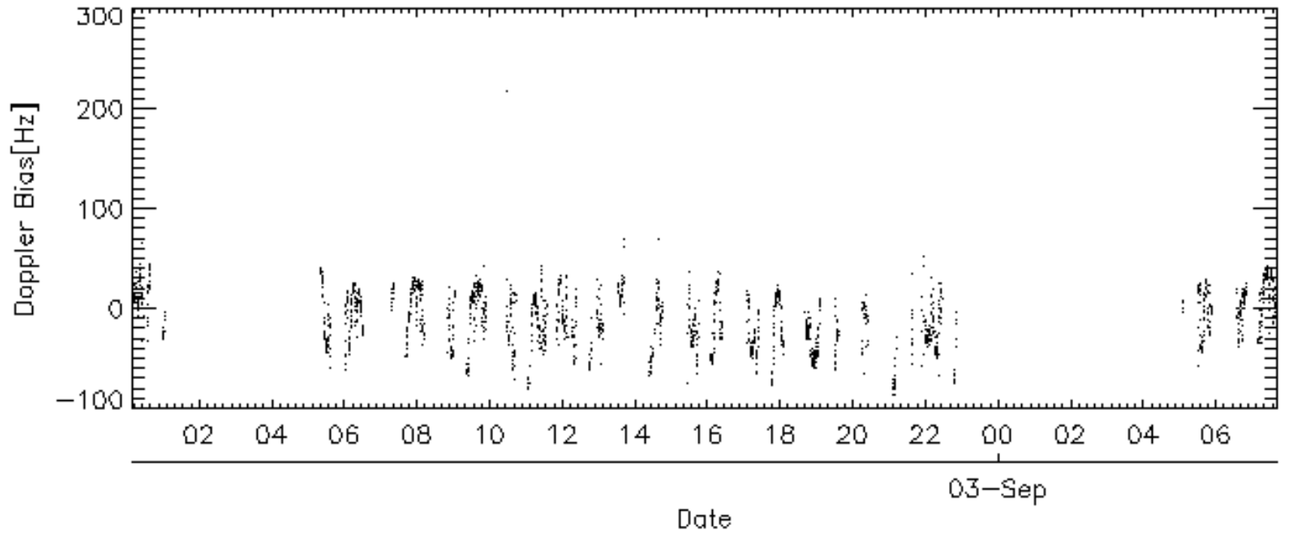

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

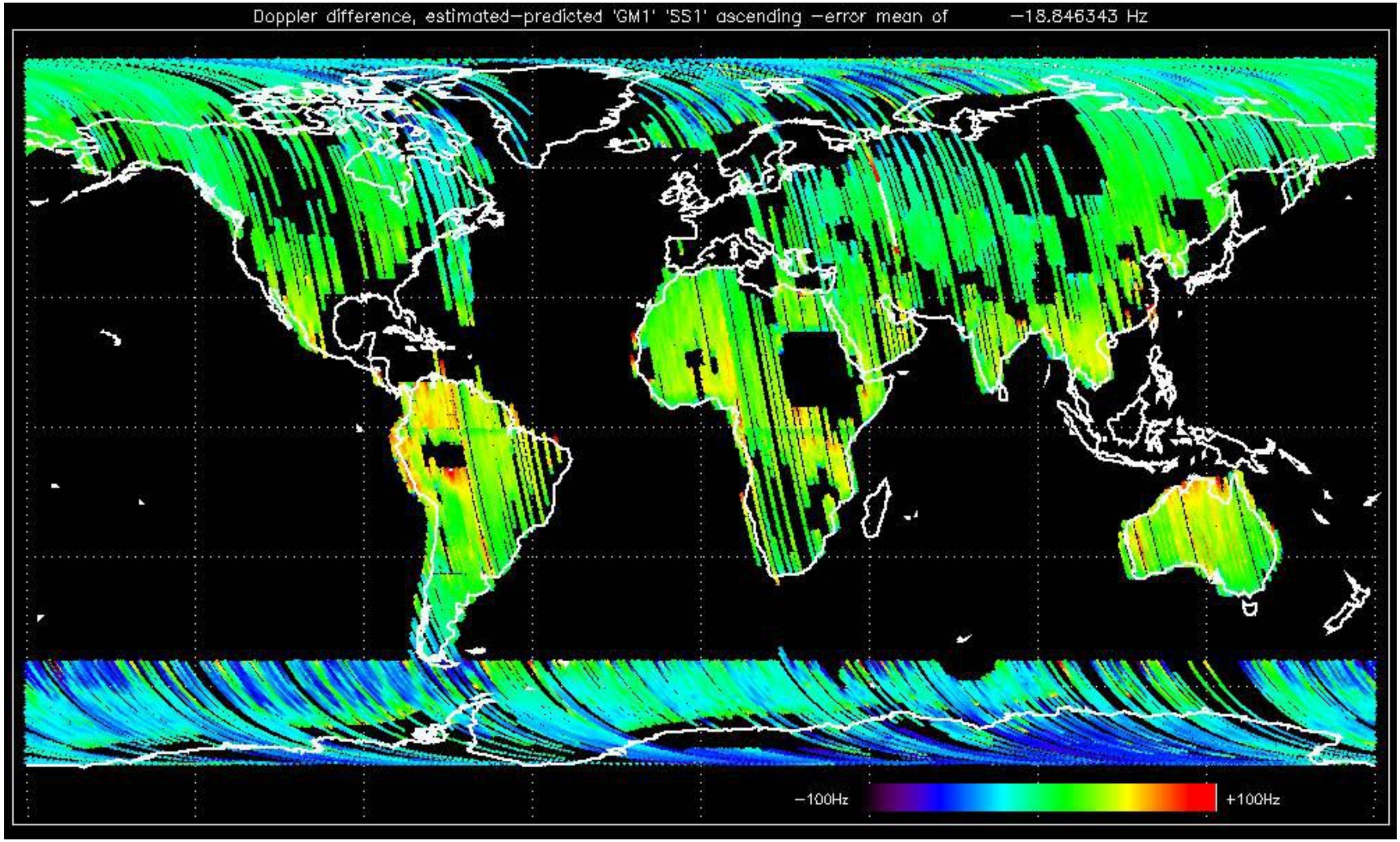

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

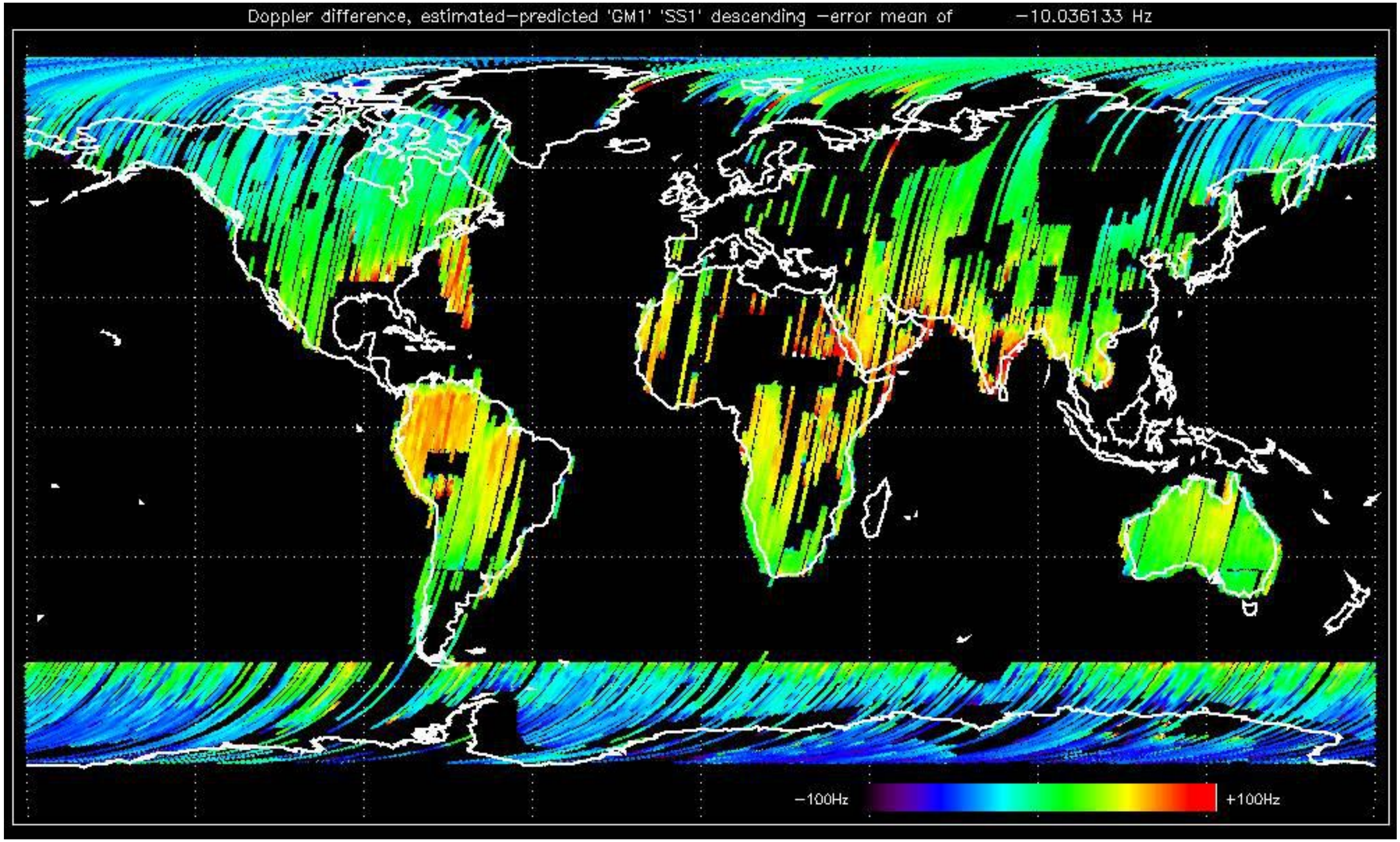

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
03−Sep
Date

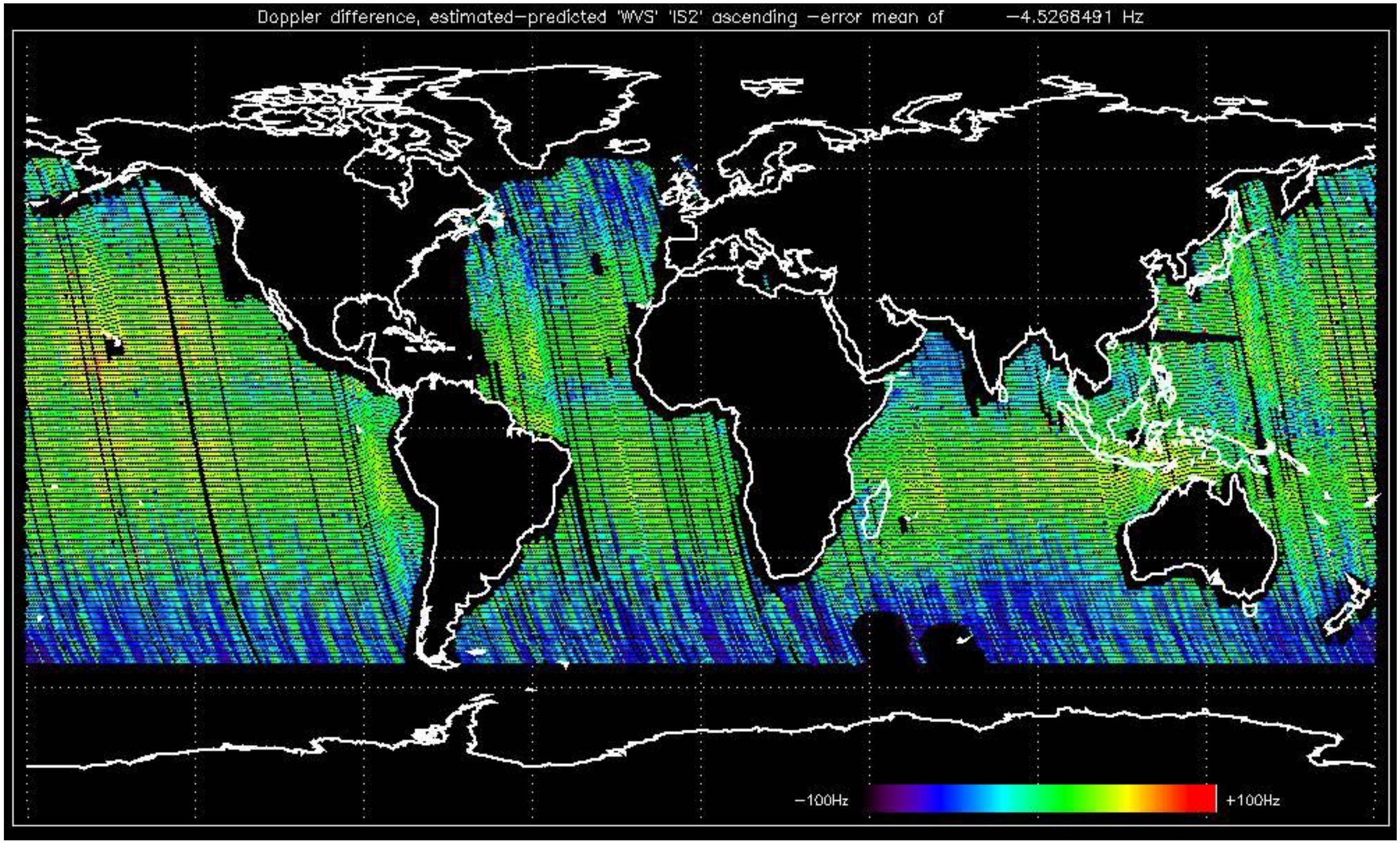

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

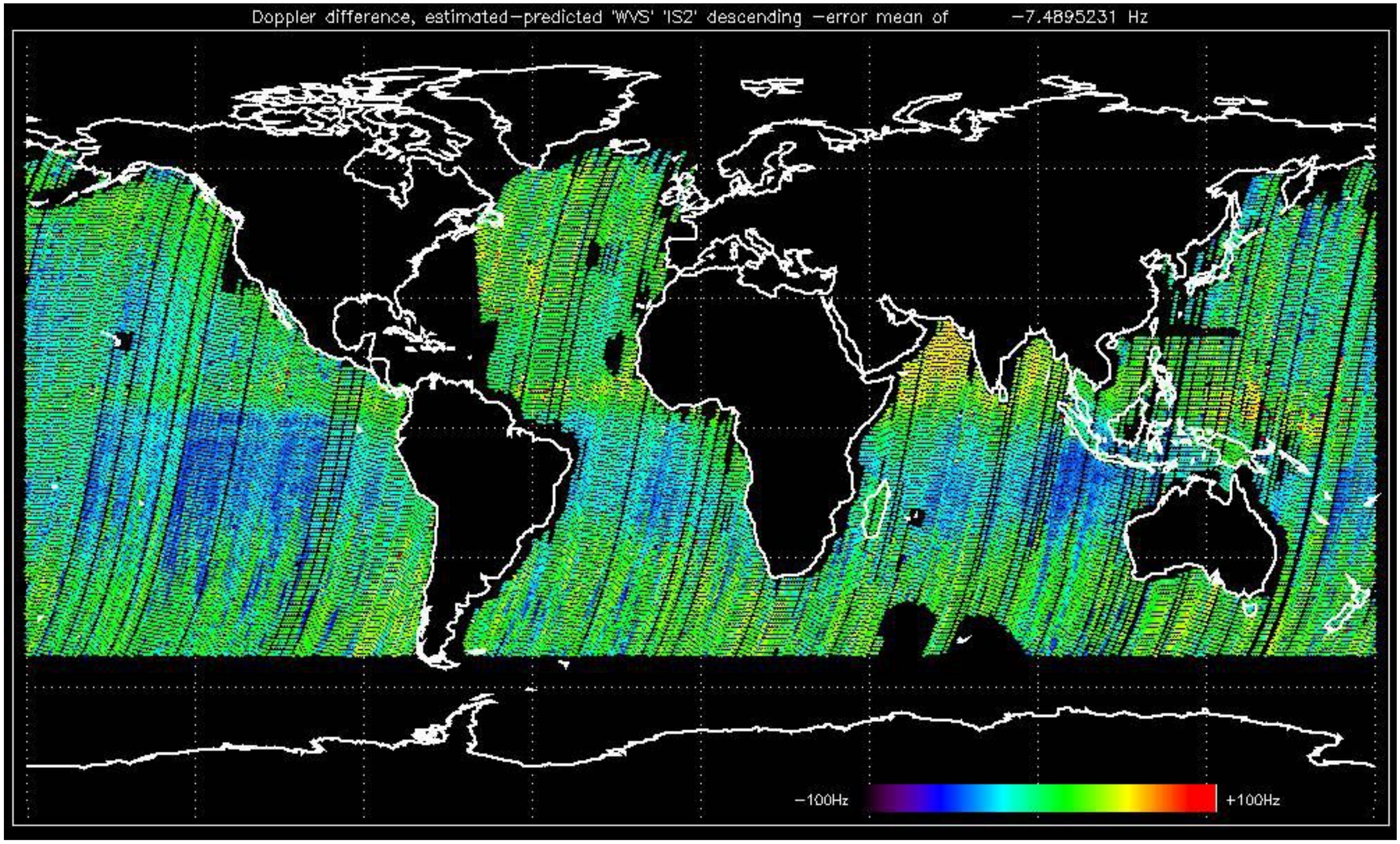

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.846343 Hz
−100Hz
+100Hz

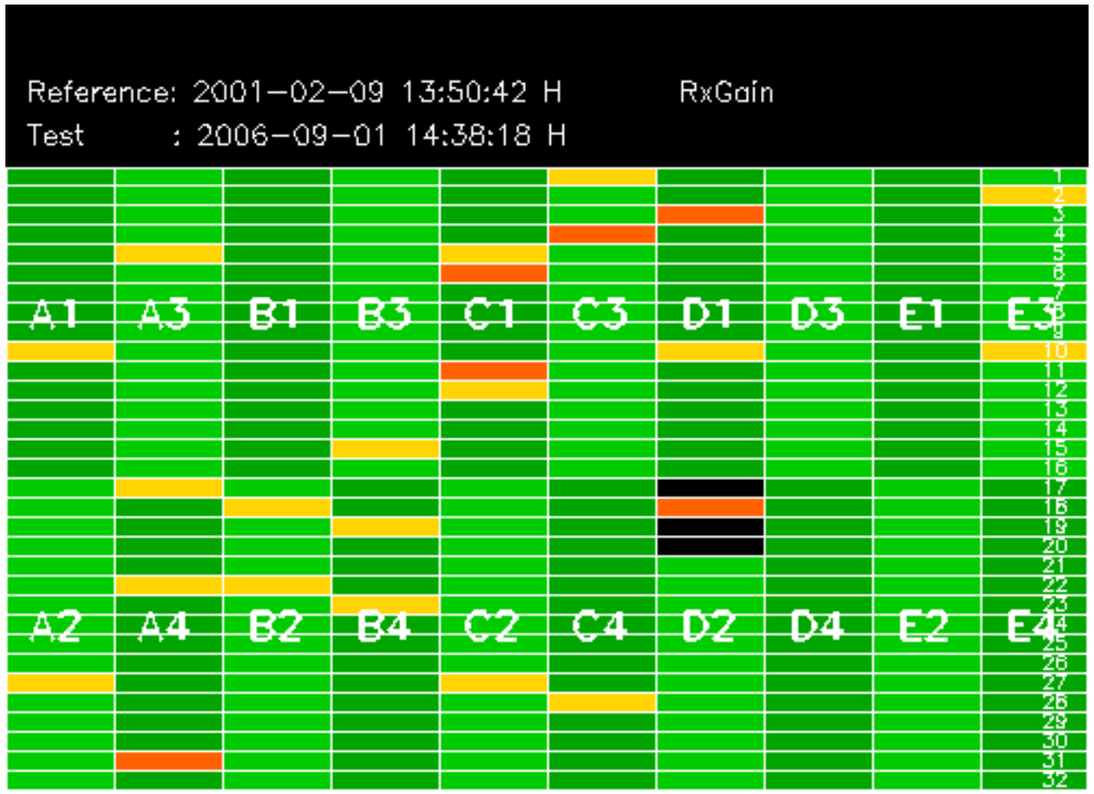

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −10.036133 Hz
−100Hz
+100Hz

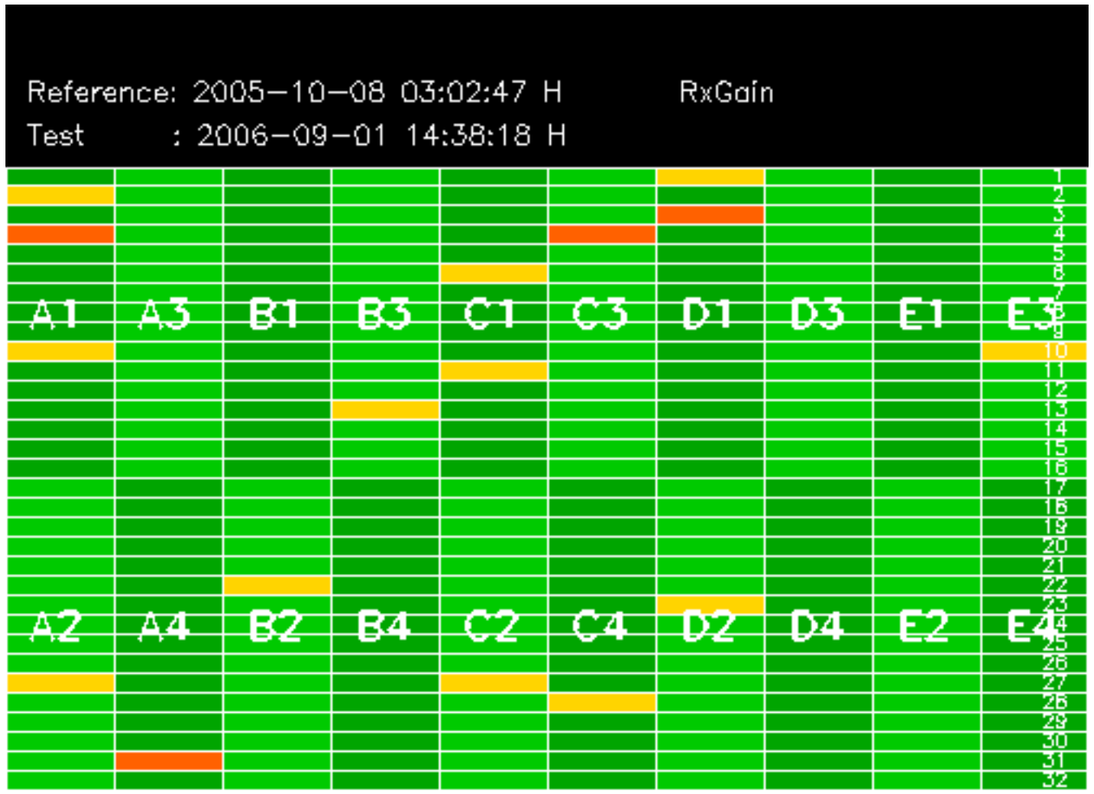

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −4.5268491 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.4895231 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-01 14:38:18 H
RxGain
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 : 2006-09-01 14:38:18 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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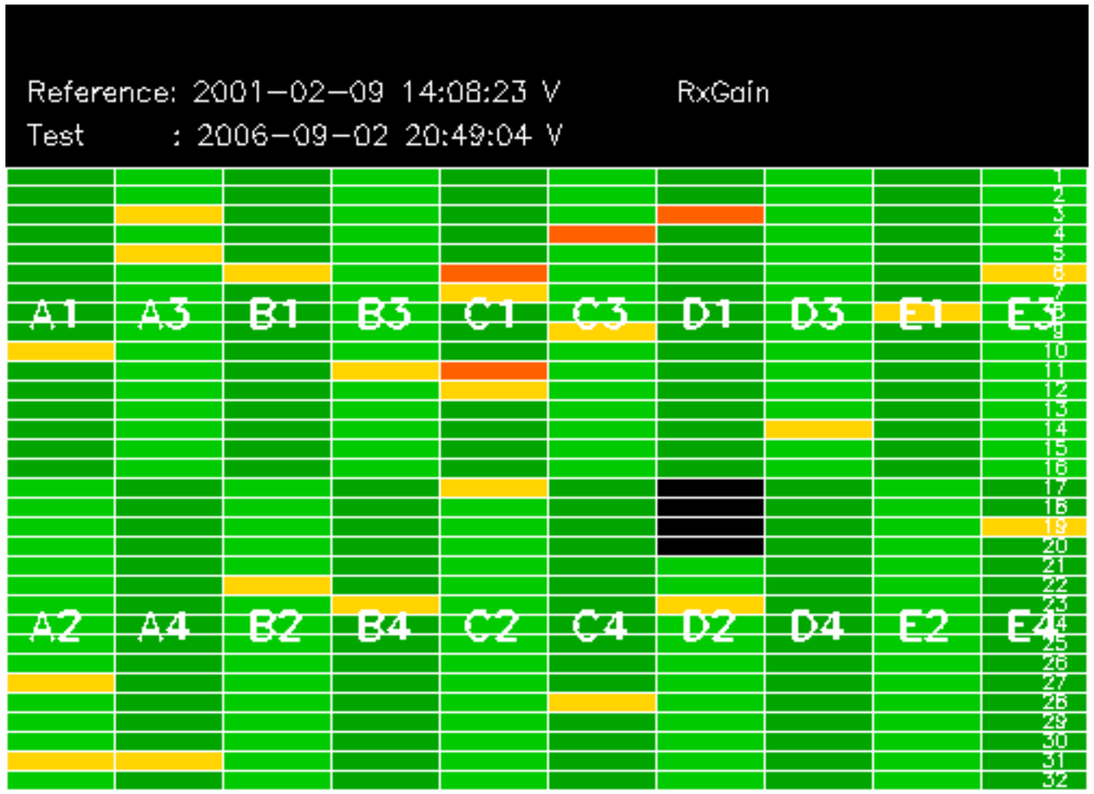
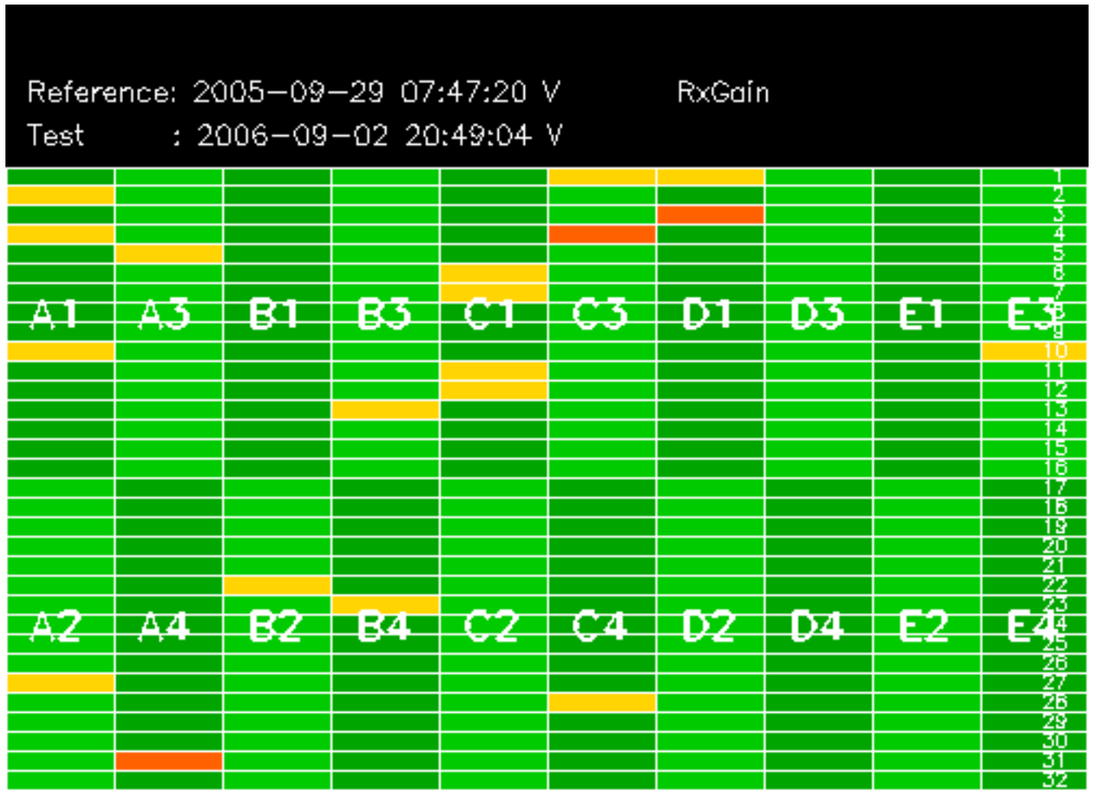
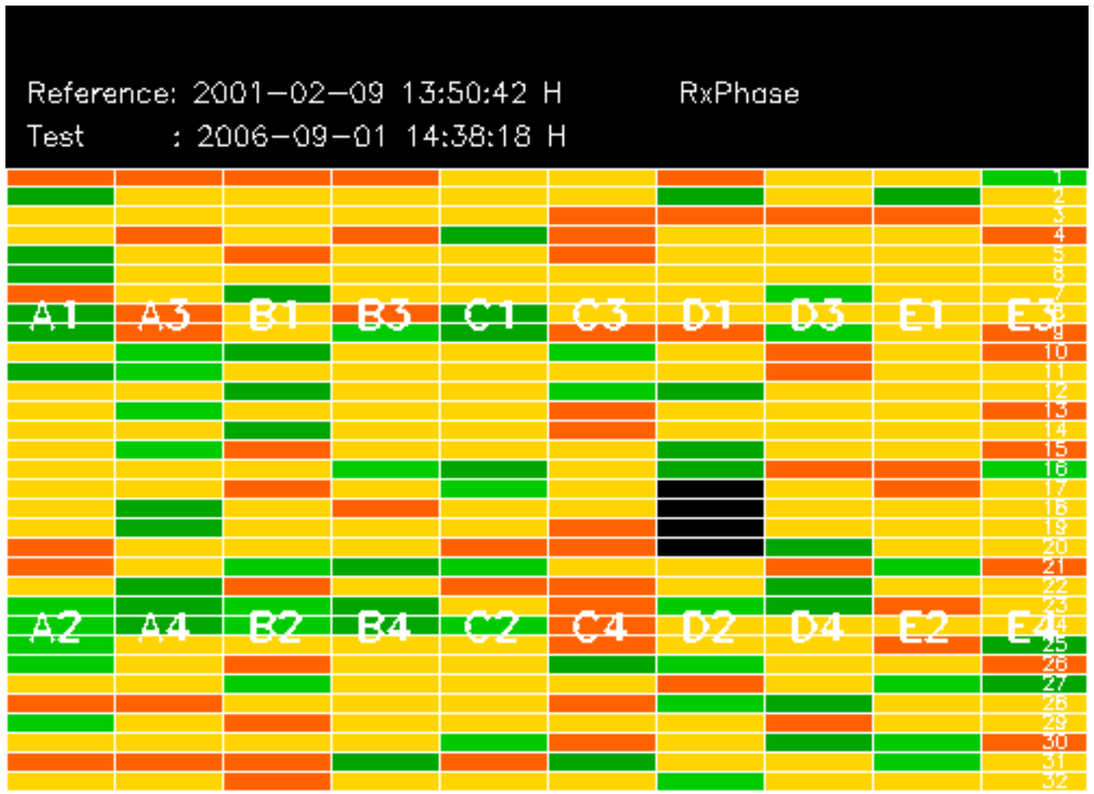
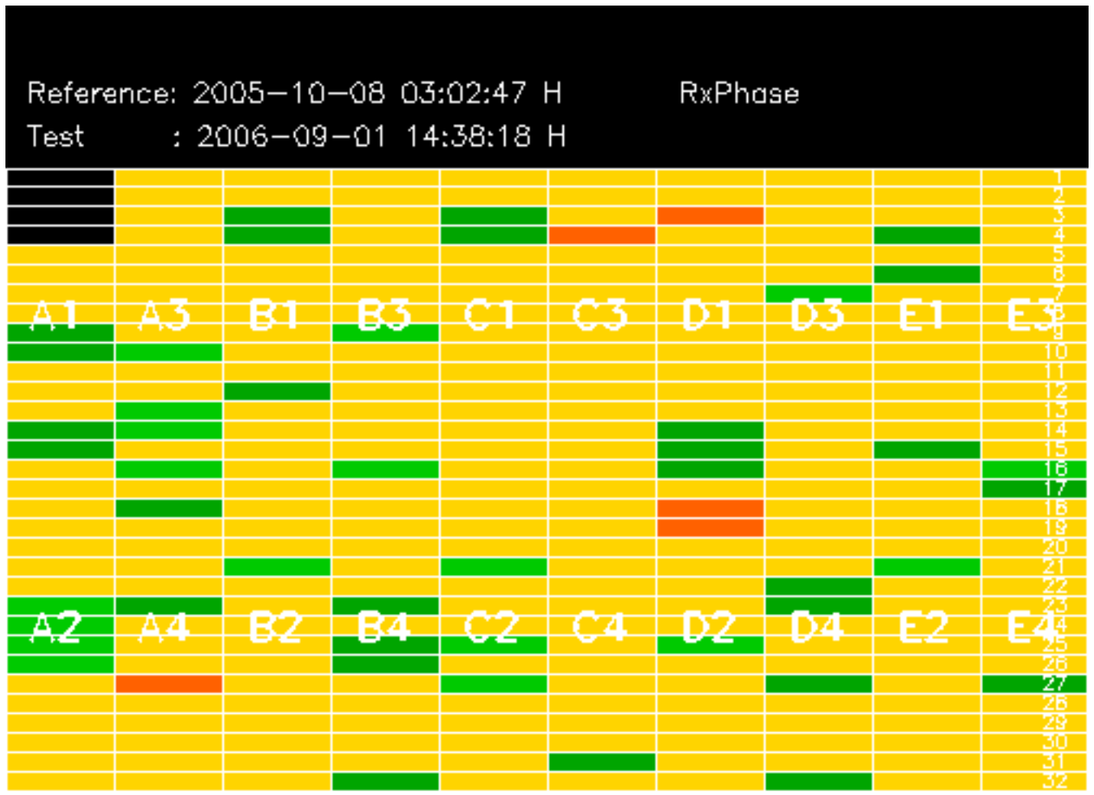
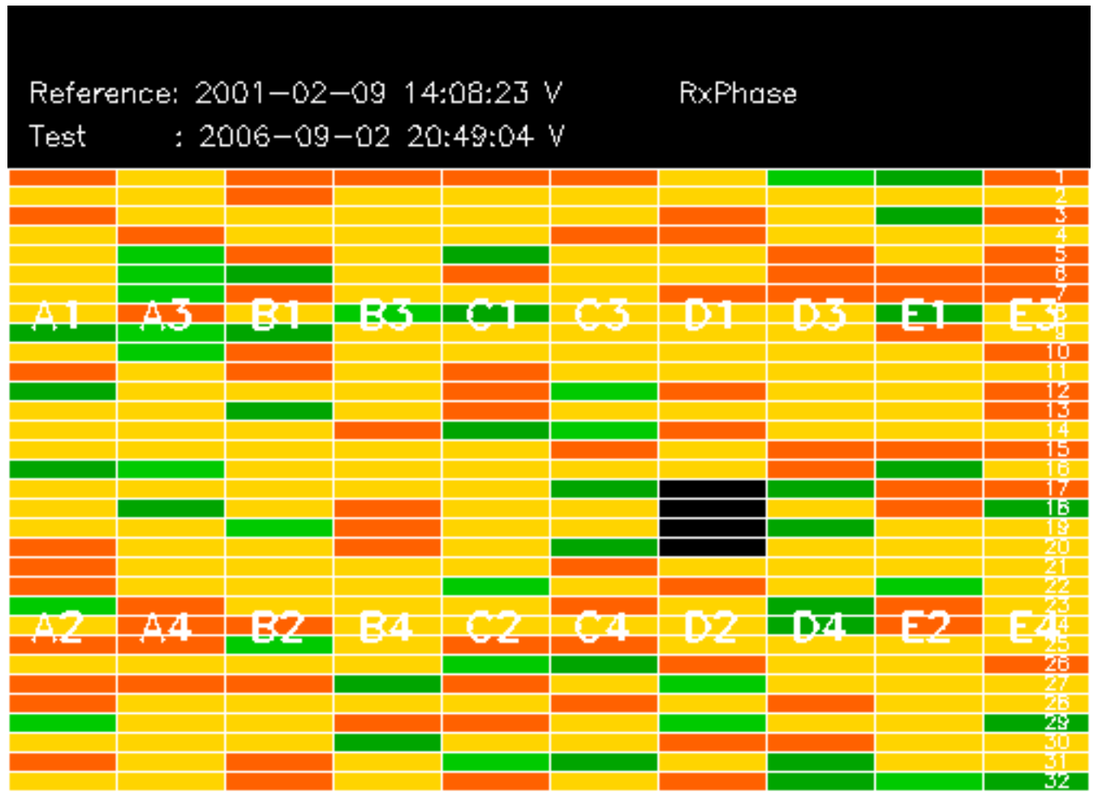

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-02 20:49:04 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-02 20:49:04 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 : 2006-09-01 14:38:18 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
RxPhase
Test : 2006-09-01 14:38:18 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 : 2006-09-02 20:49:04 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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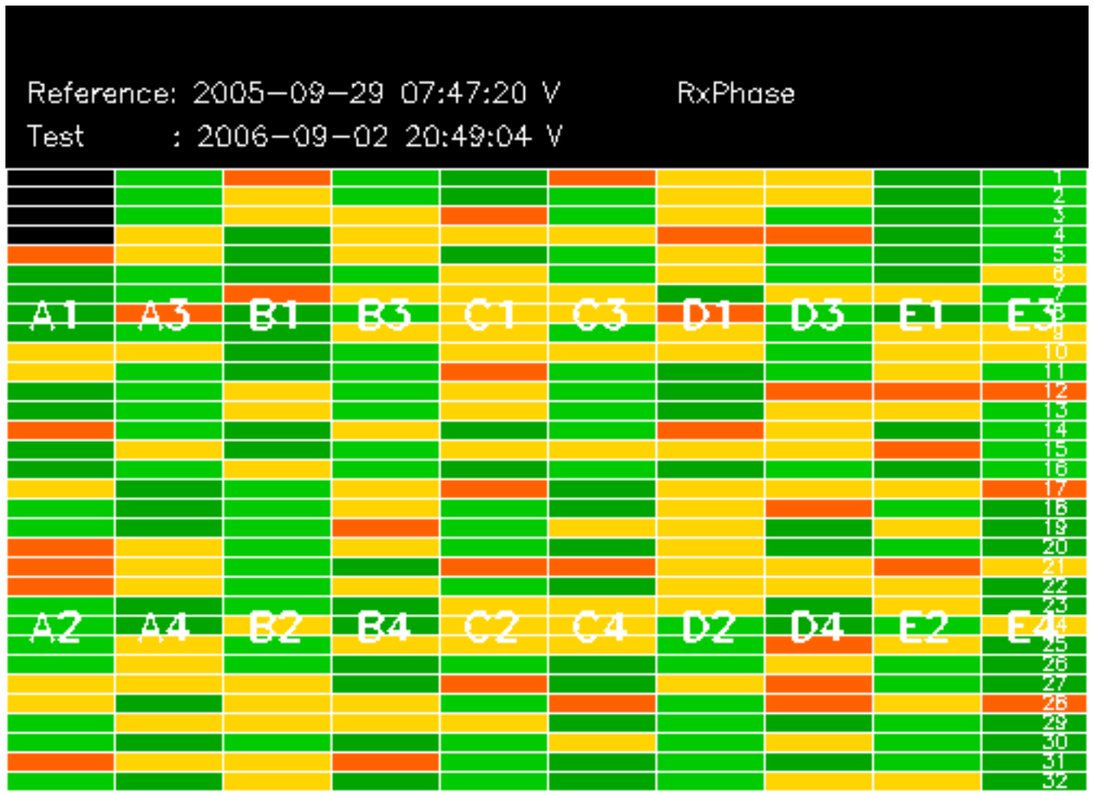
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-02 20:49:04 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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9
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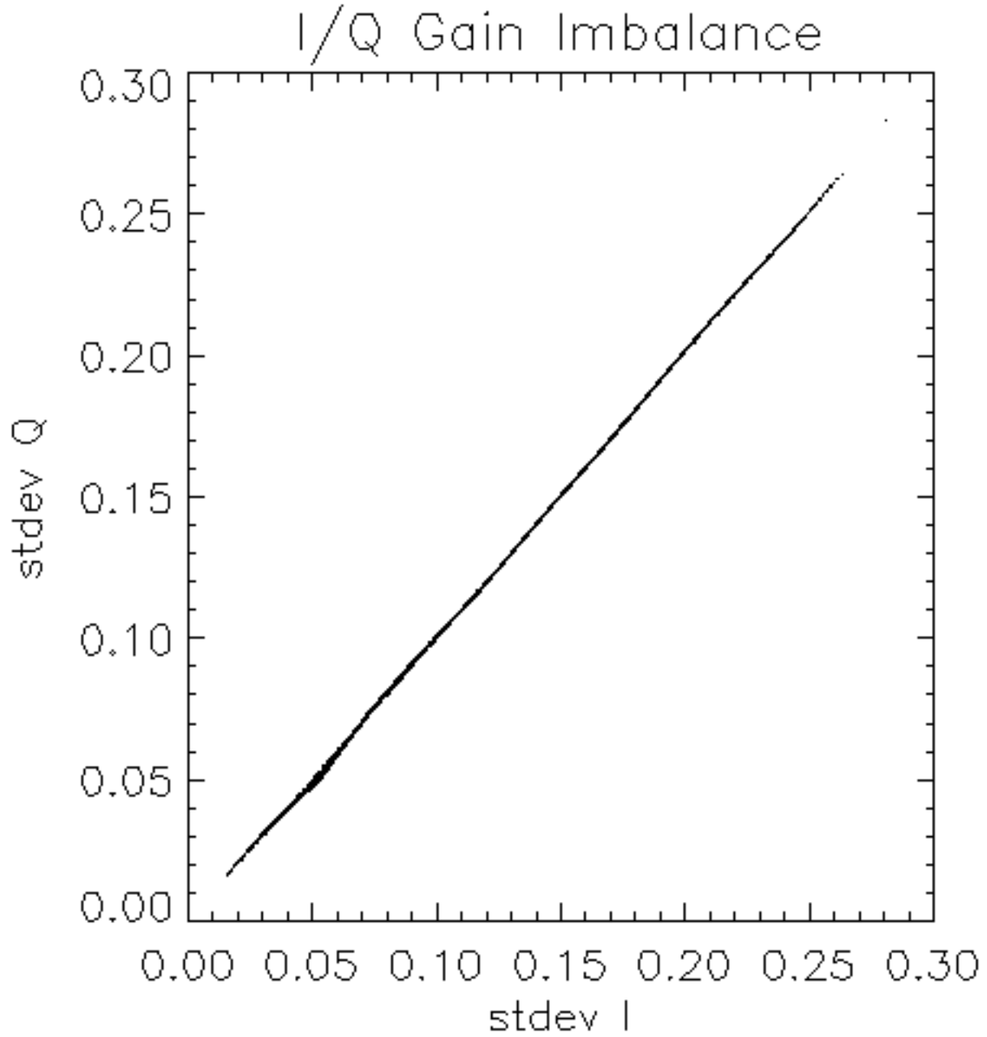
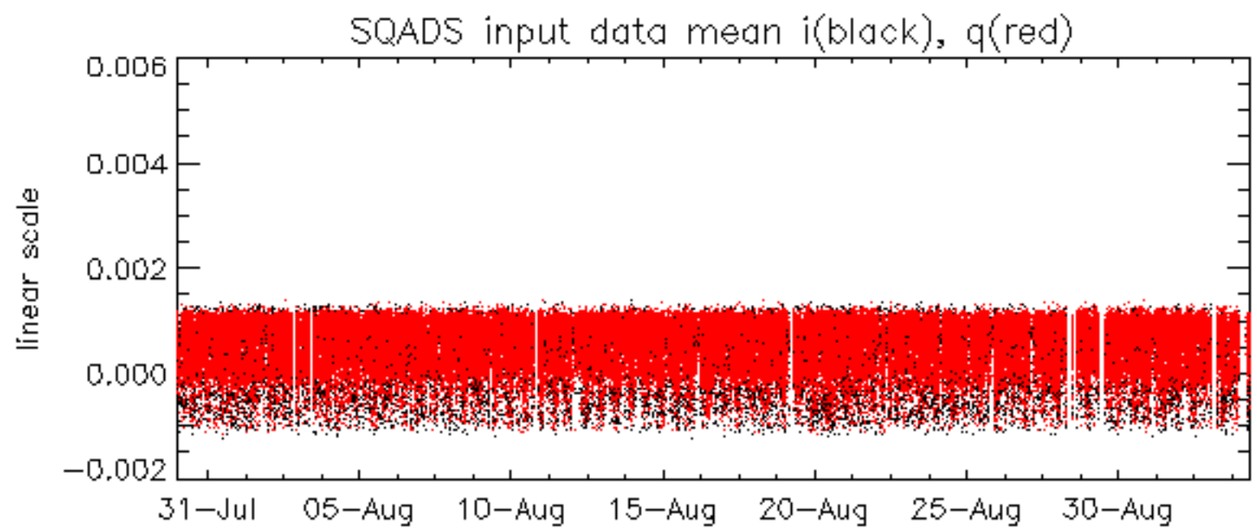
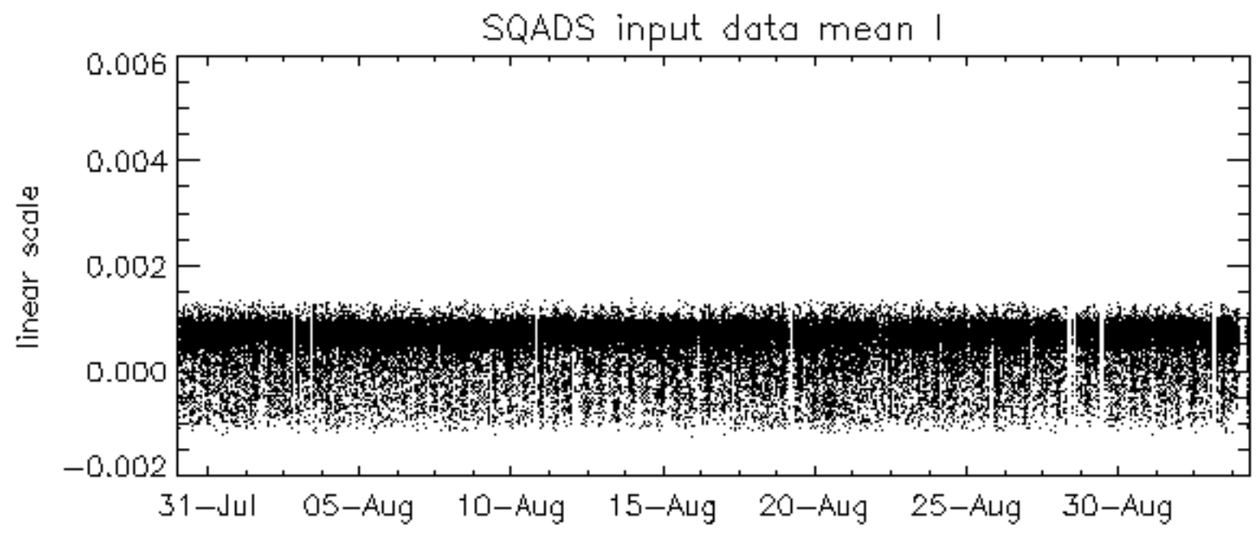
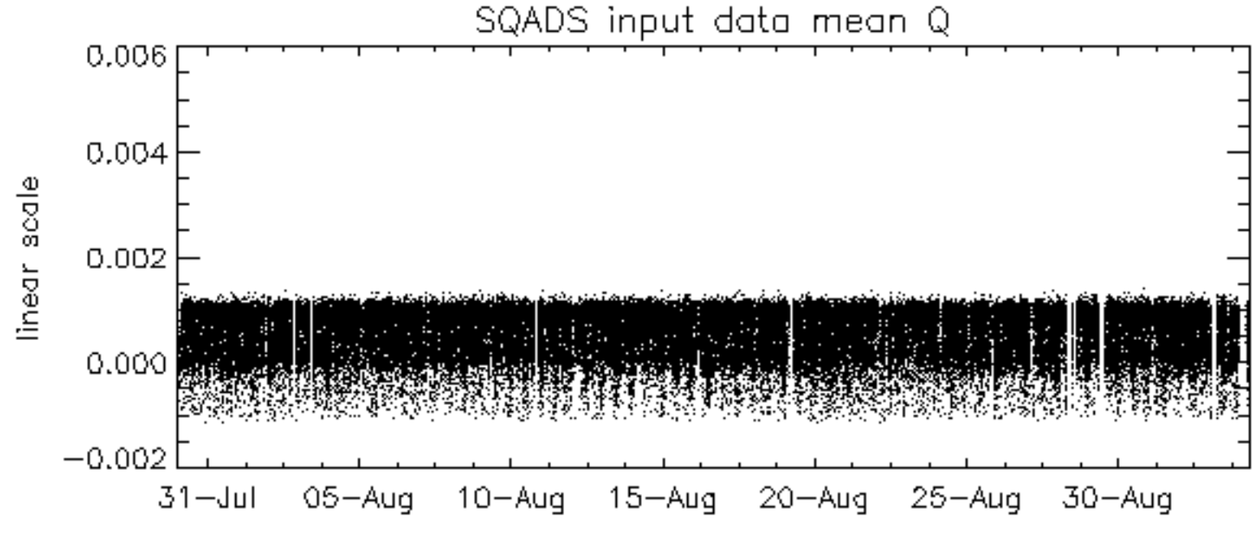
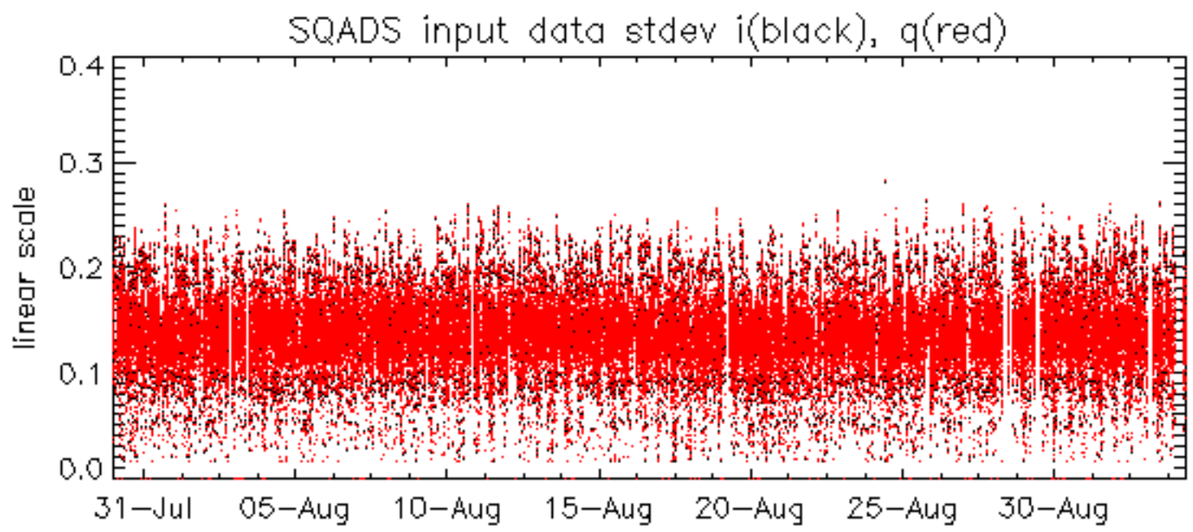
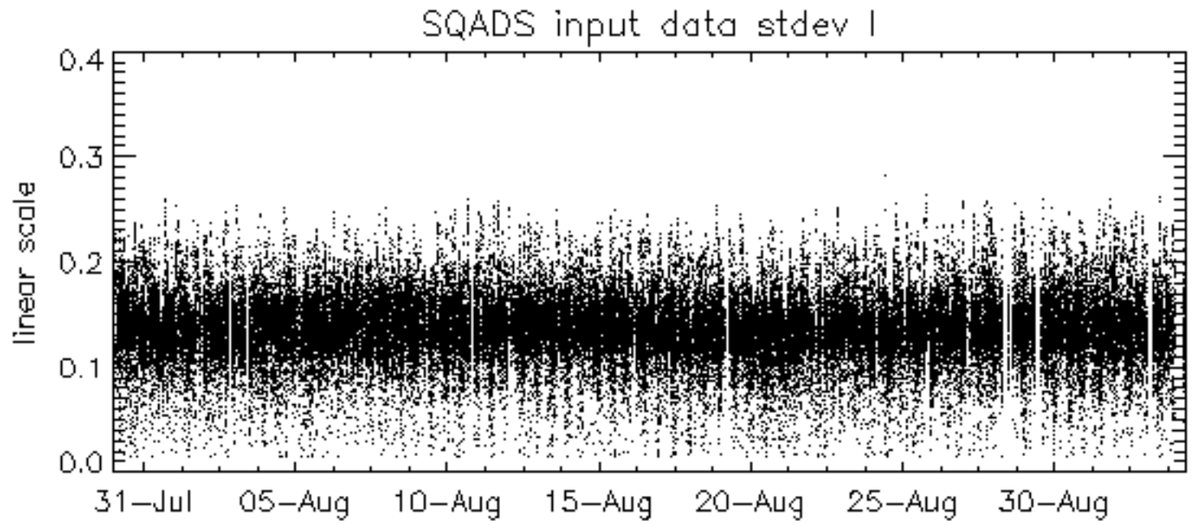

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

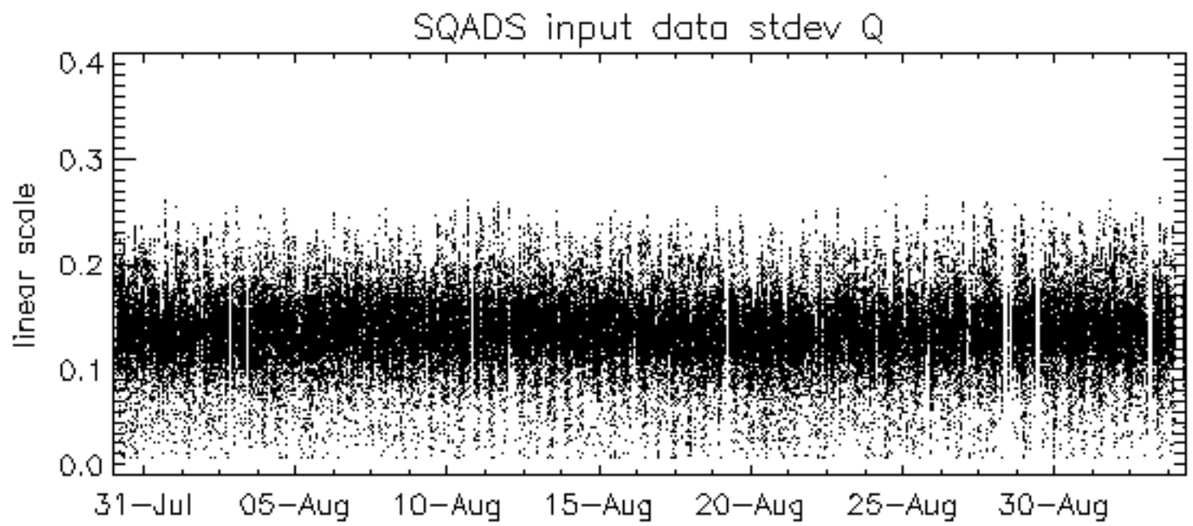

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jul
05−Aug
10−Aug
15−Aug
20−Aug
25−Aug
30−Aug

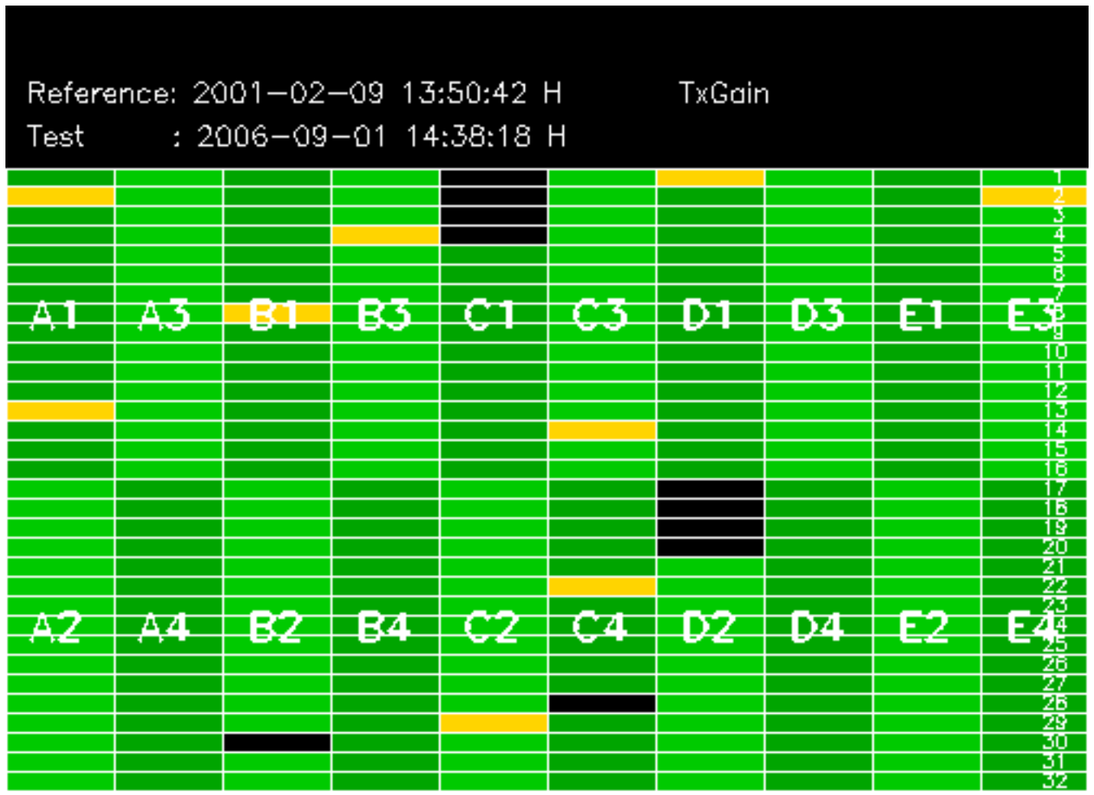

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jul
05−Aug
10−Aug
15−Aug
20−Aug
25−Aug
30−Aug

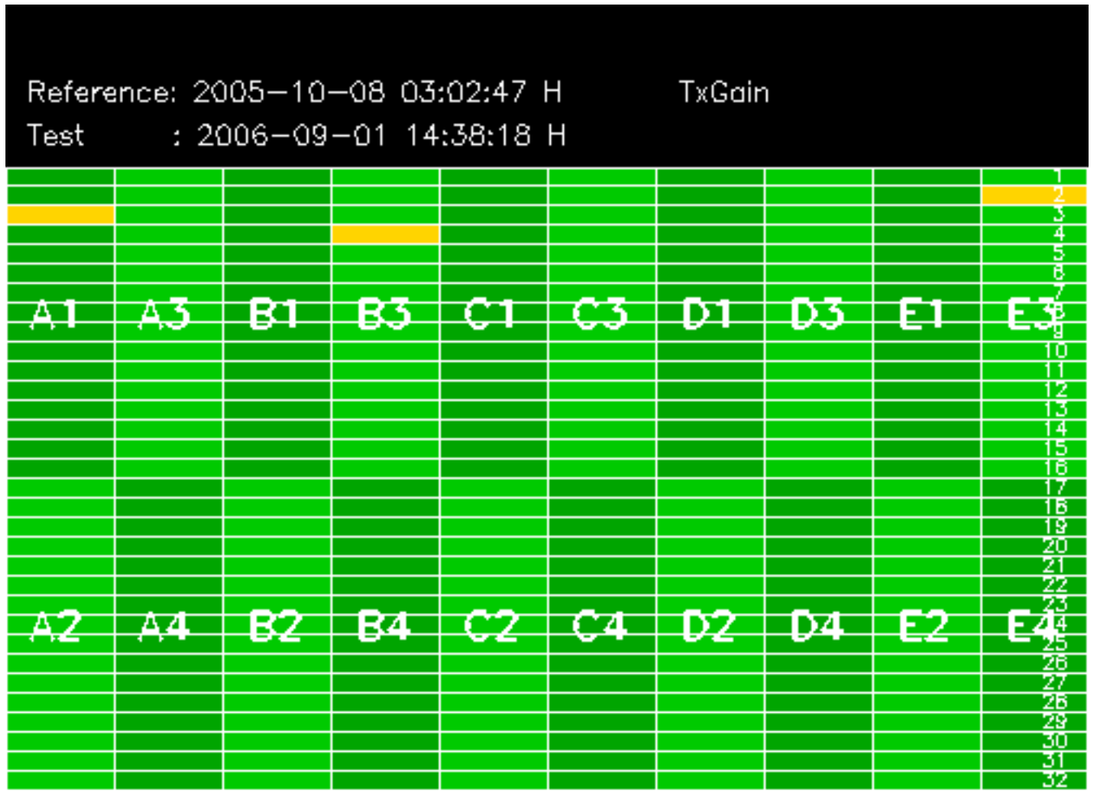

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jul
05−Aug
10−Aug
15−Aug
20−Aug
25−Aug
30−Aug


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
31–Jul
05–Aug
10–Aug
15–Aug
20–Aug
25–Aug
30–Aug


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
31–Jul
05–Aug
10–Aug
15–Aug
20–Aug
25–Aug
30–Aug


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
31–Jul
05–Aug
10–Aug
15–Aug
20–Aug
25–Aug
30–Aug


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-01 14:38:18 H
TxGain
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 : 2006-09-01 14:38:18 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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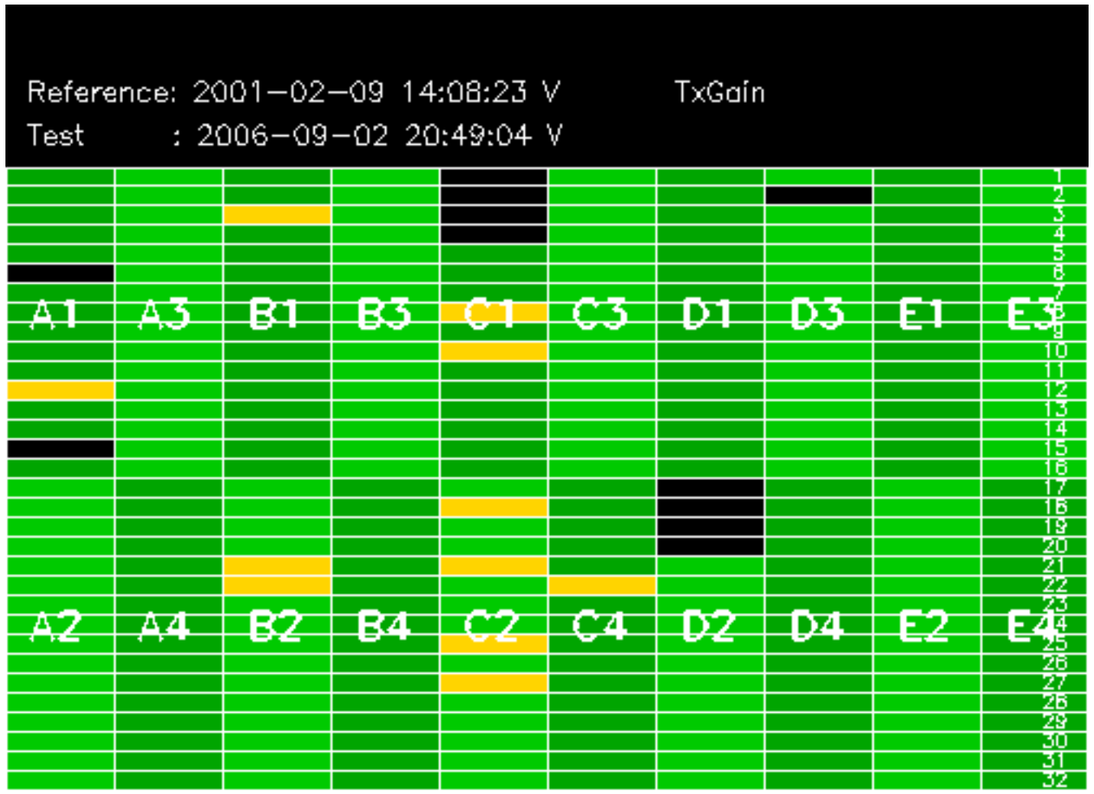
Reference: 2001-02-09 14:08:23 V
Test : 2006-09-02 20:49:04 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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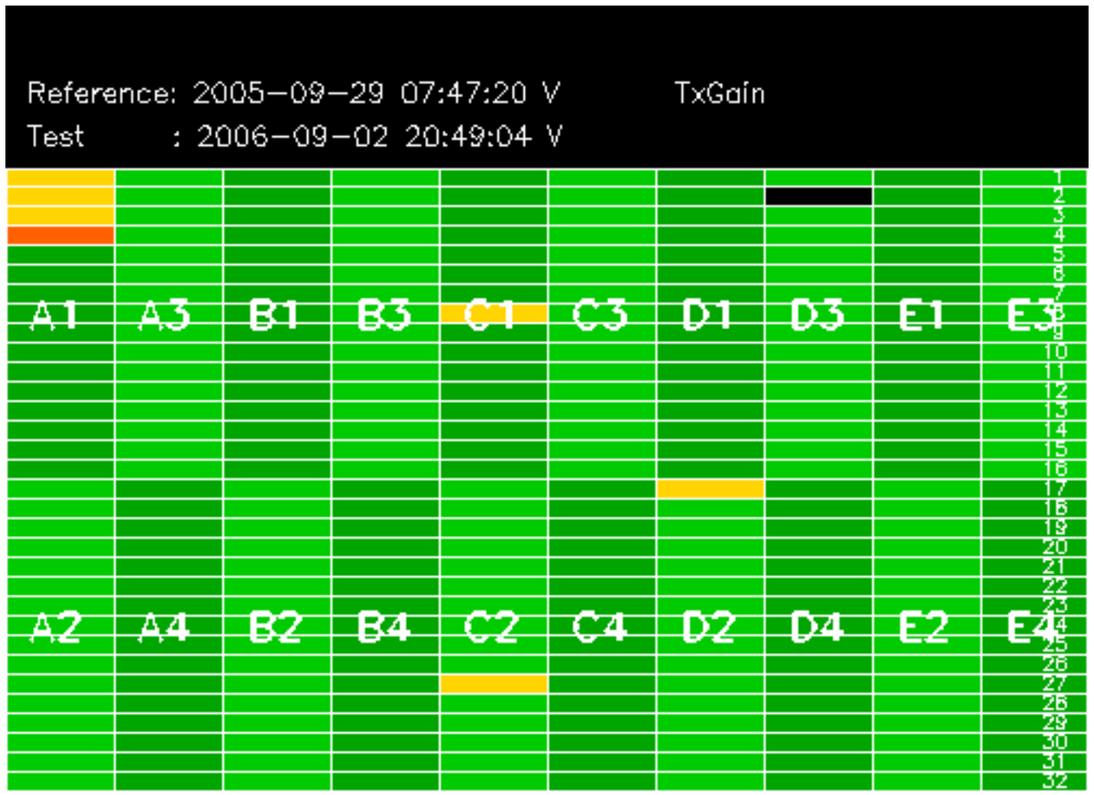
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-02 20:49:04 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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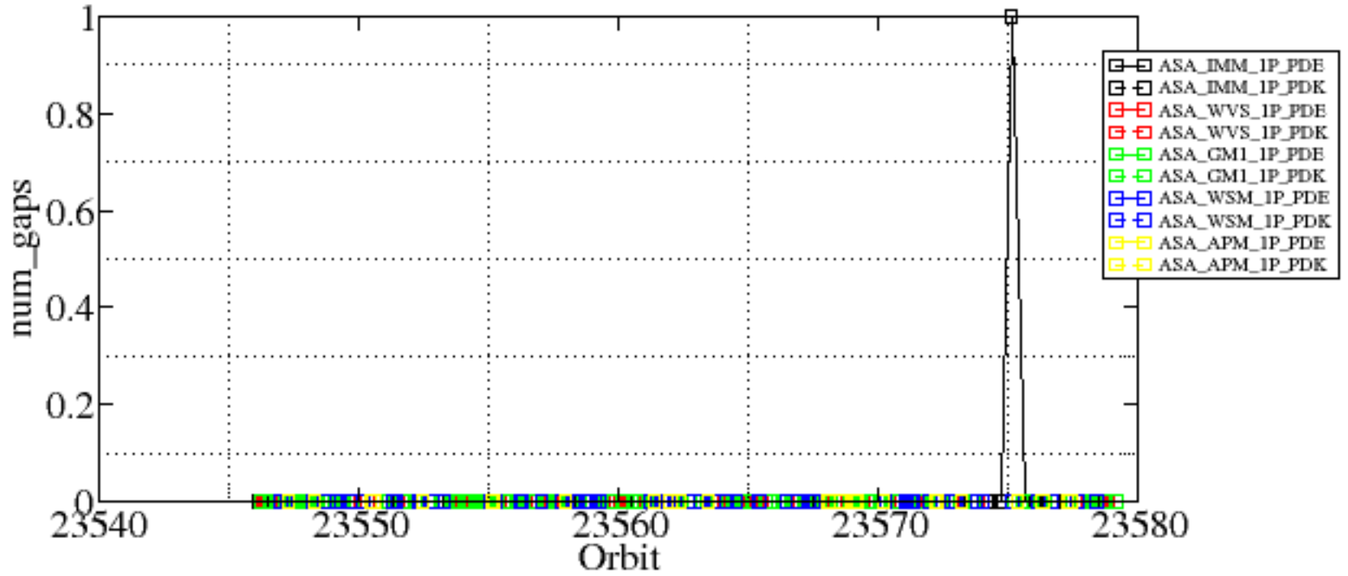
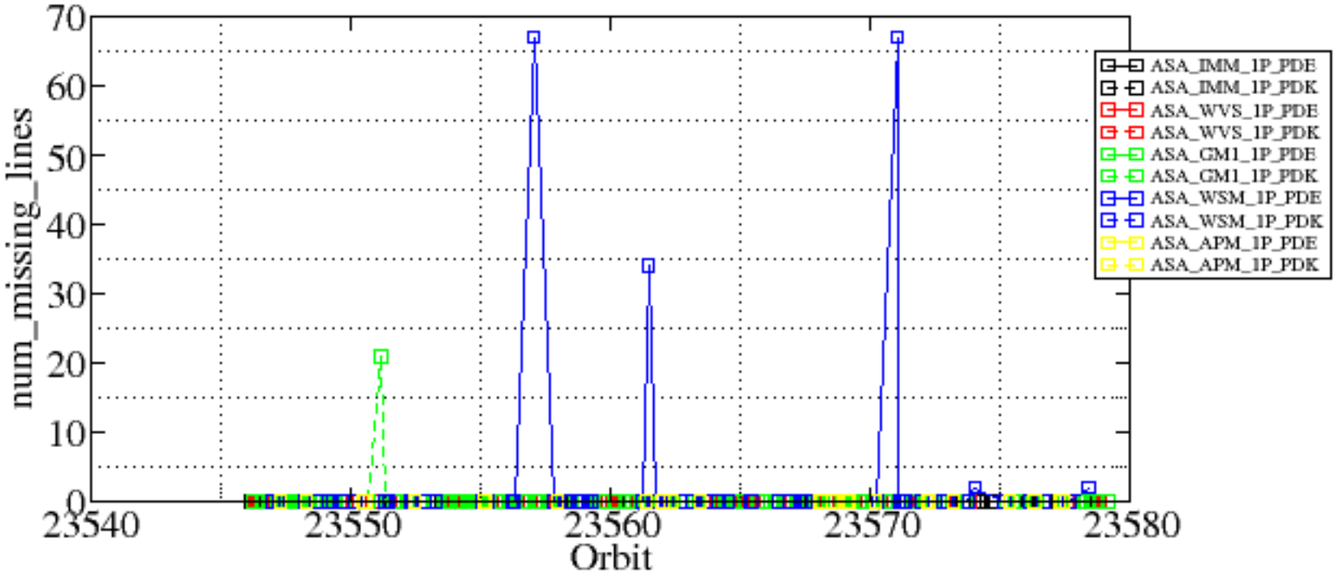
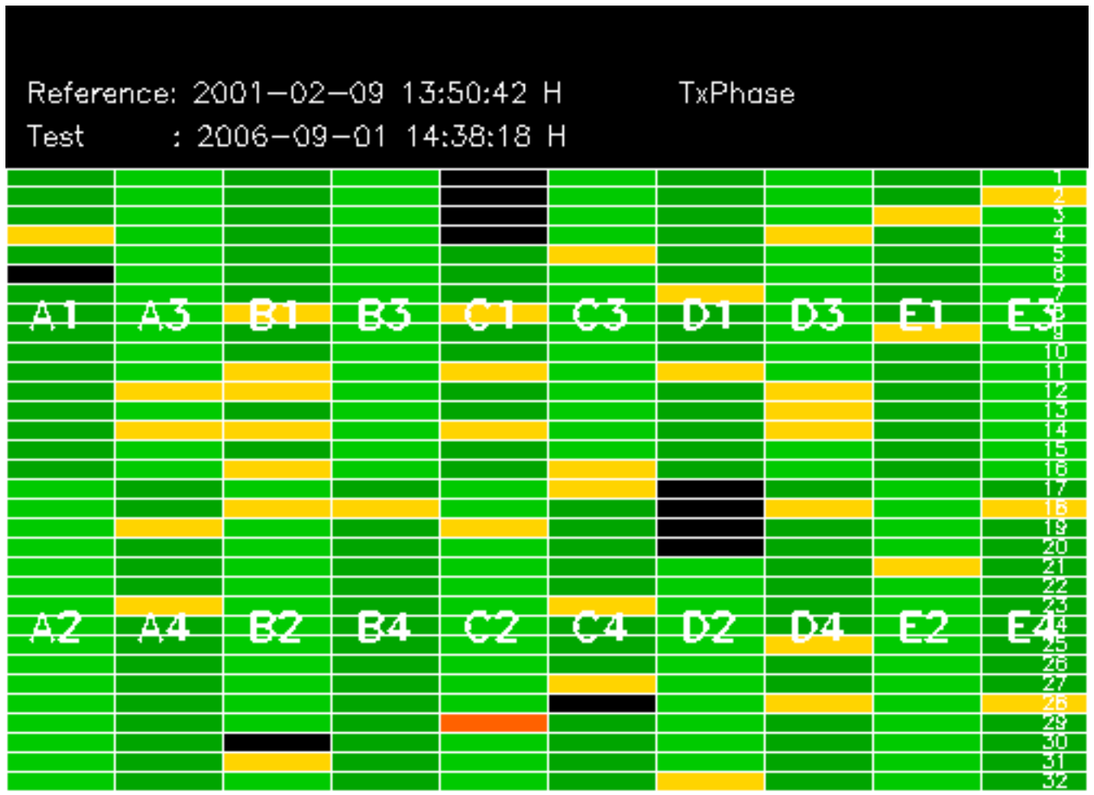
Summary of analysis for the last 3 days 2006090[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060903_005612_000000342050_00475_23575_5292.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20060901_084711_000006702050_00451_23551_3941.N1 </td> <td>0 </td> <td>21 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060901_183643_000002072050_00457_23557_0466.N1 </td> <td>0 </td> <td>67 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060902_020157_000000862050_00461_23561_0501.N1 </td> <td>0 </td> <td>34 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060902_180620_000001292050_00471_23571_0584.N1 </td> <td>0 </td> <td>67 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060902_230551_000001092050_00474_23574_0618.N1 </td> <td>0 </td> <td>2 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060903_062830_000000852050_00478_23578_0648.N1 </td> <td>0 </td> <td>2 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
23540
23550
23560
23570
23580
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
70
60
50
40
30
20
10
0
23540
23550
23560
23570
23580
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 : 2006-09-01 14:38:18 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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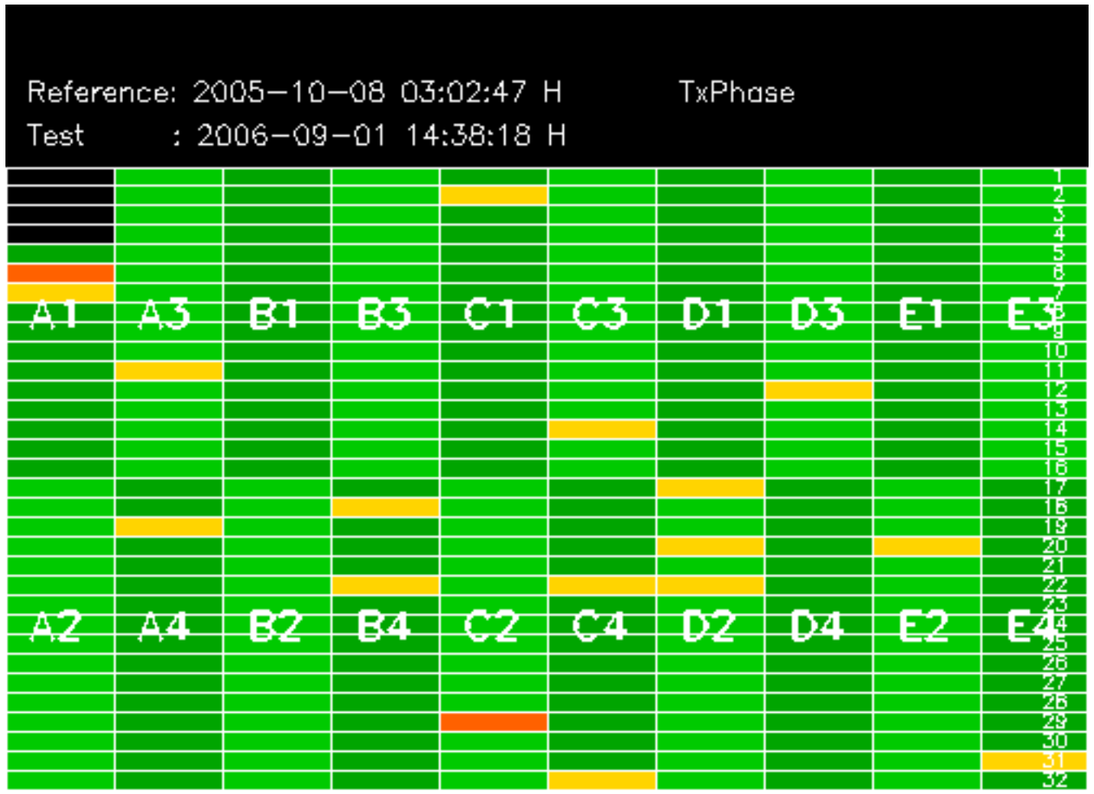
Reference: 2005-10-08 03:02:47 H
Test : 2006-09-01 14:38:18 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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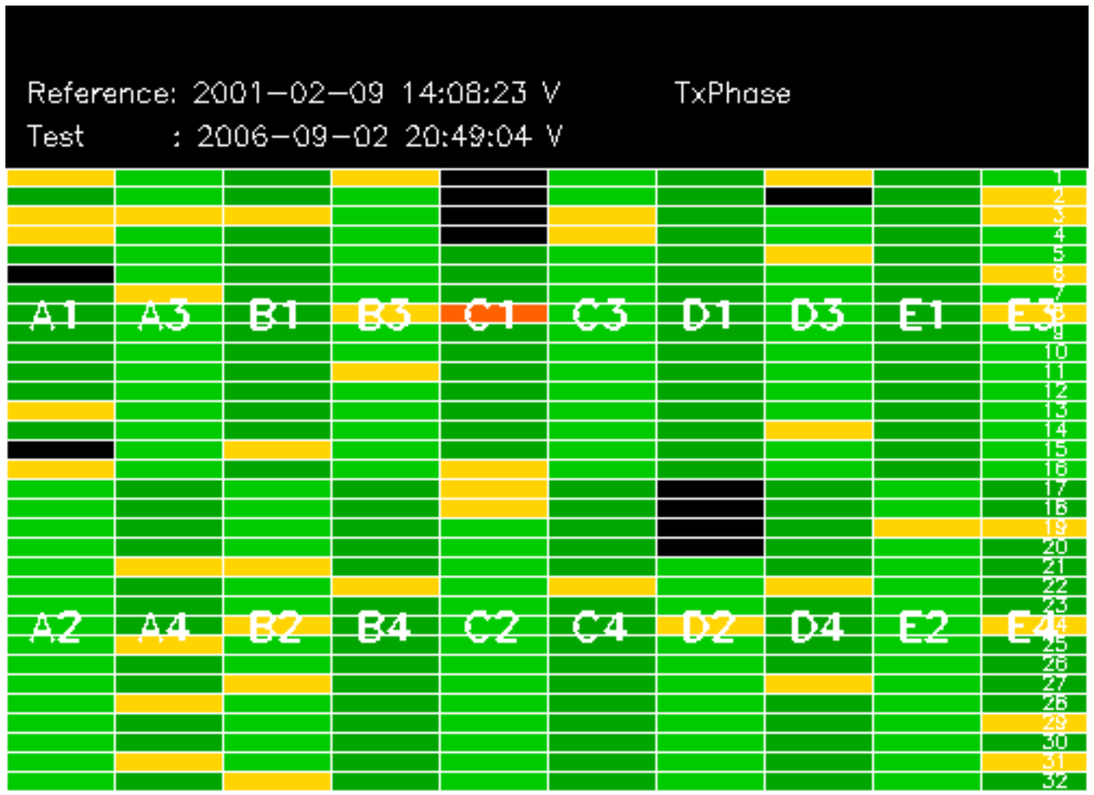
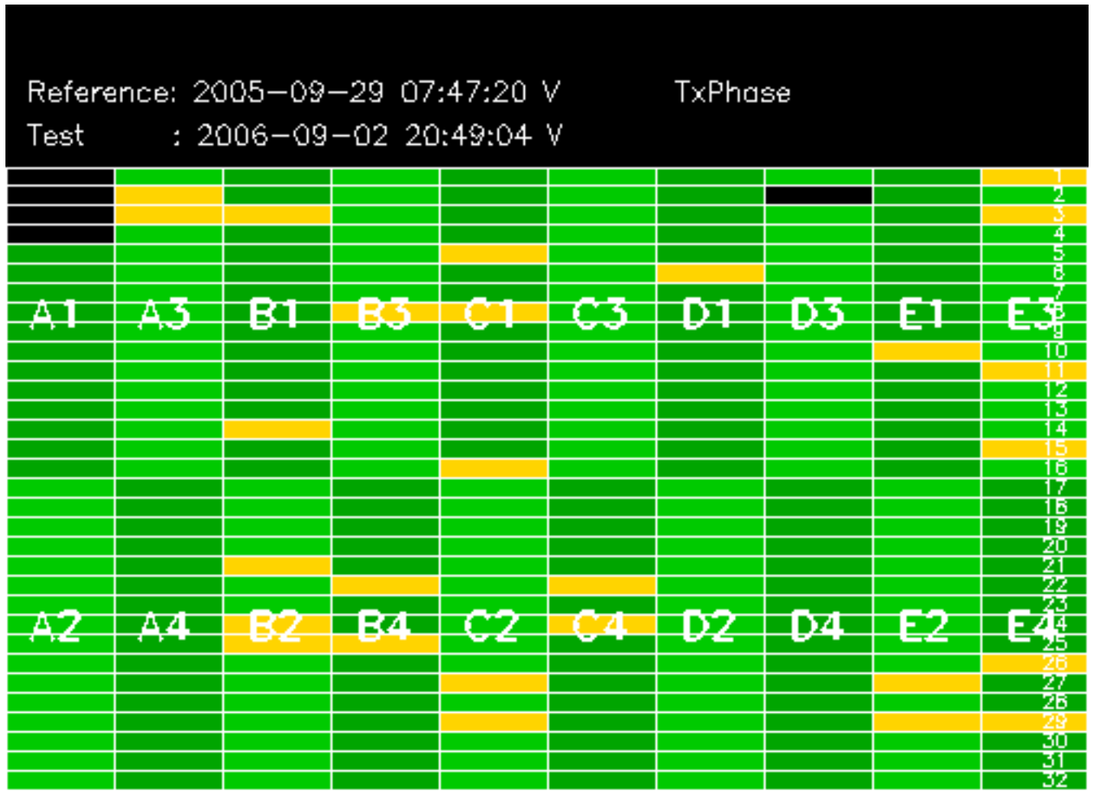

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-02 20:49:04 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-02 20:49:04 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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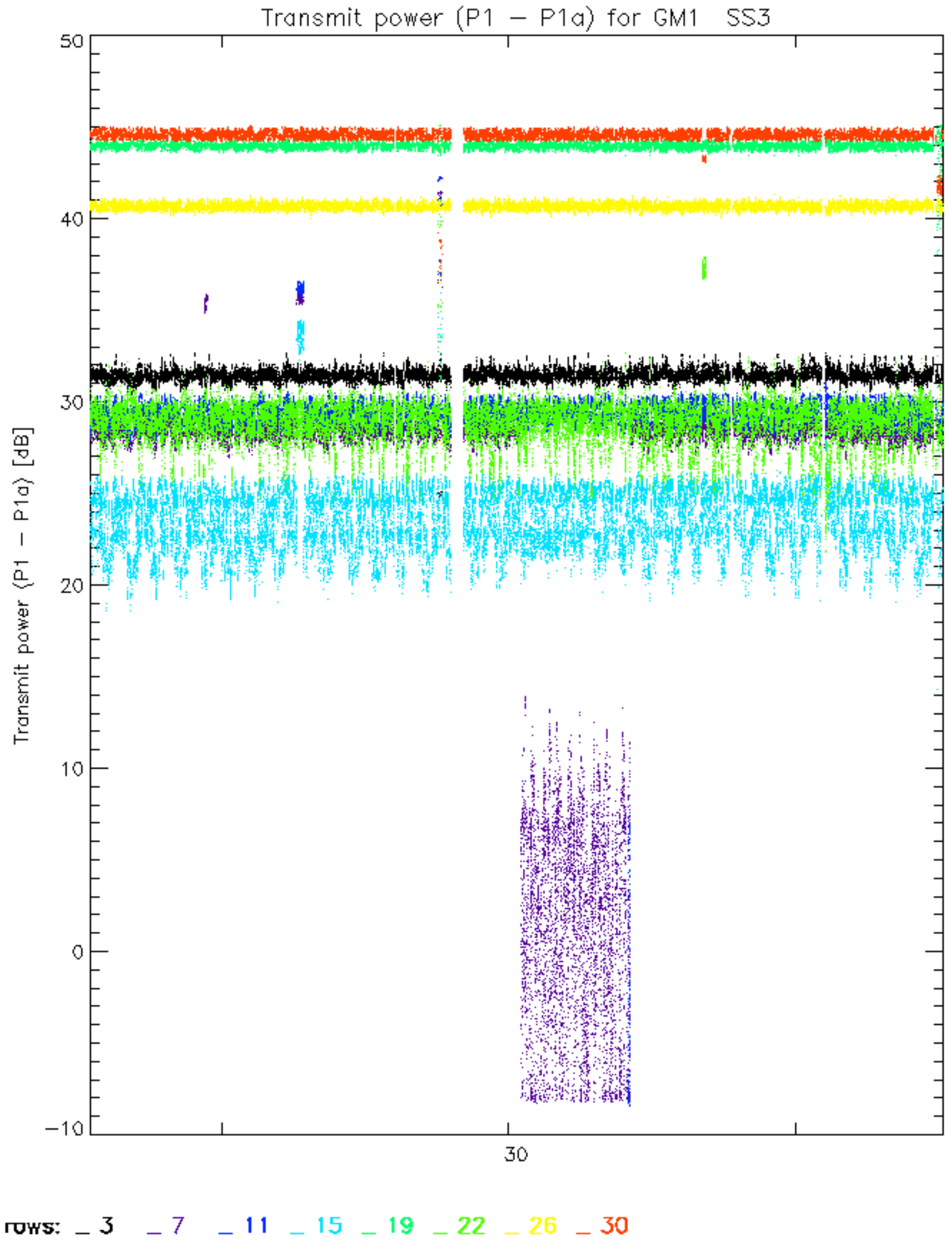
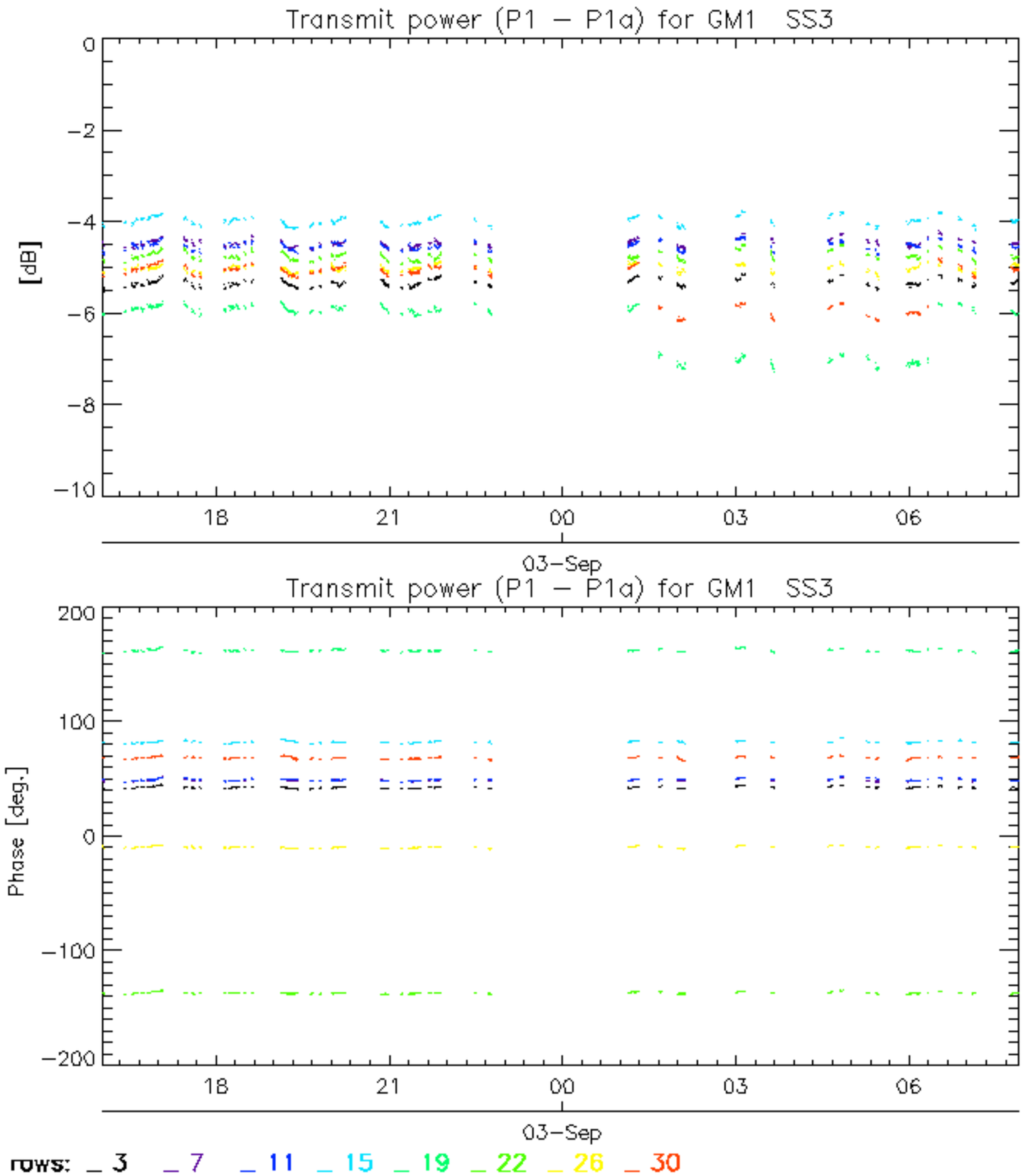
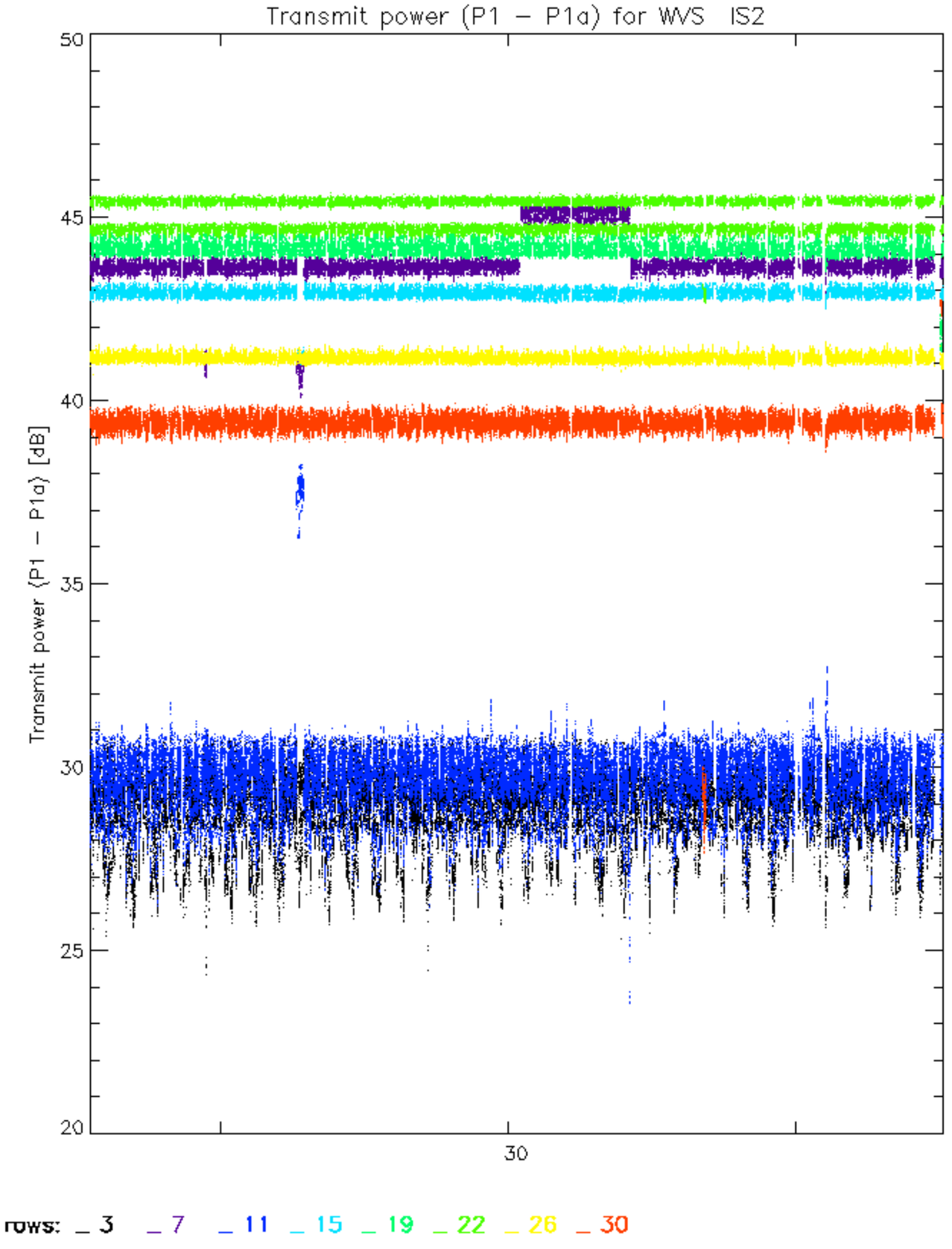
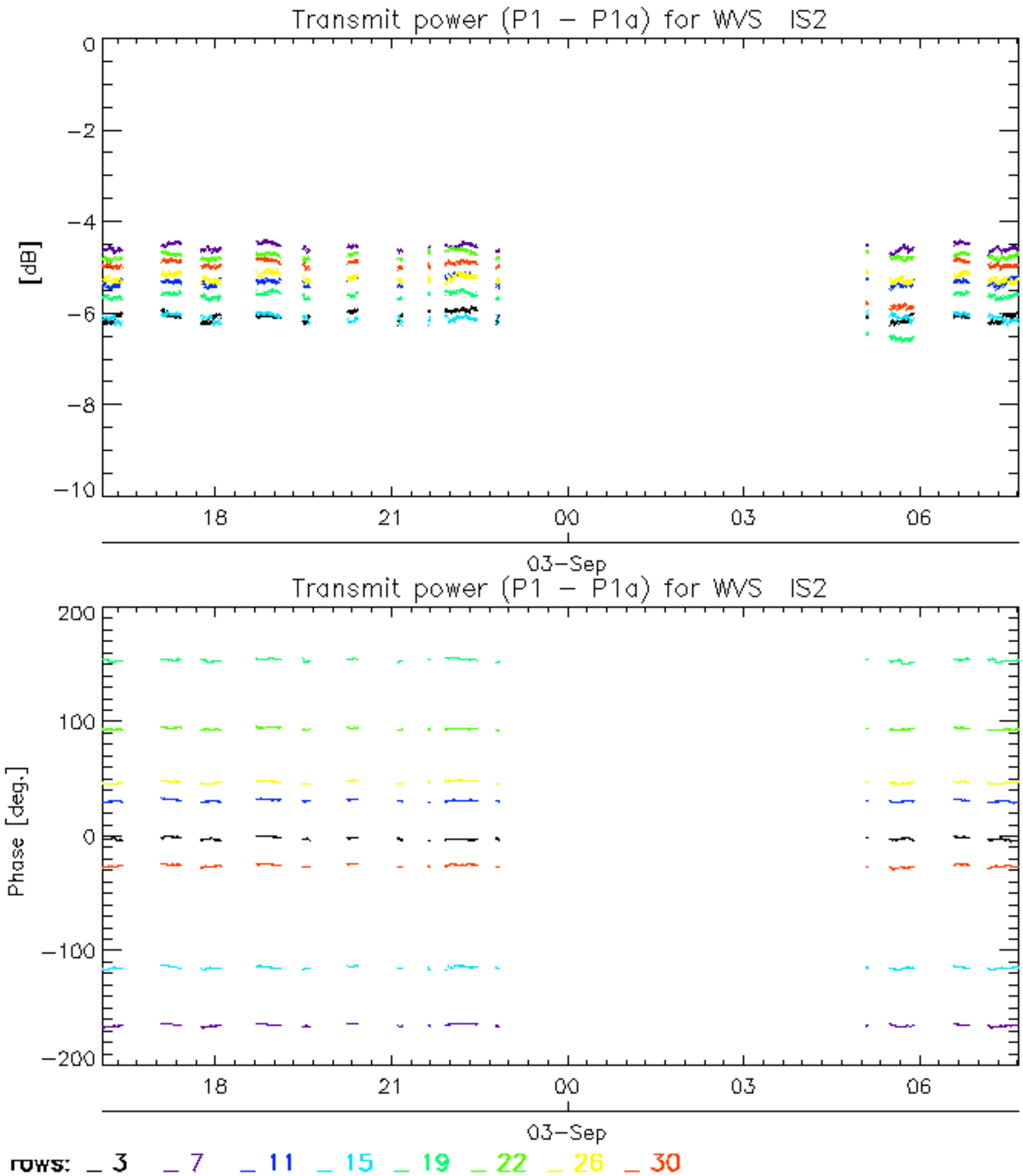

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
30
rows: 3 7 11 15 19 22 26 30


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


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

No unavailabilities during the reported period.