PRELIMINARY REPORT OF 060922

last update on Fri Sep 22 16:41:55 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 2006-09-21 00:00:00 to 2006-09-22 16:41:55

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	24	42	12	5	0
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	24	42	12	5	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	24	42	12	5	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	24	42	12	5	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	22	60	37	18	62
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	22	60	37	18	62
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	22	60	37	18	62
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	22	60	37	18	62

2.3 - Browse Visual Inspection

No anomalies observed on available browse products

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20060922 033419
H	20060921 040556

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	-3.941738	0.009886	-0.009539
7	P1	-3.055222	0.011317	-0.063018
11	P1	-4.057986	0.018441	-0.035162
15	P1	-6.183261	0.015627	-0.009266
19	P1	-3.526495	0.050293	-0.060727
22	P1	-4.572173	0.028092	-0.074818
26	P1	-3.952570	0.019118	-0.048447
30	P1	-5.801472	0.153622	-0.088953
3	P1	-16.599854	0.254432	-0.080705
7	P1	-16.882101	0.517389	-1.047347
11	P1	-16.794491	0.344463	-0.059296
15	P1	-12.898825	0.103815	0.129167
19	P1	-14.634460	0.460440	-0.137668
22	P1	-15.692974	0.558552	-0.001280
26	P1	-15.223164	0.202607	-0.032962
30	P1	-16.937763	0.396142	-0.038422

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.821609	0.083788	0.031787
7	P2	-21.855639	0.096001	0.049069
11	P2	-15.747676	0.106843	-0.008077
15	P2	-7.092015	0.099255	-0.012475
19	P2	-9.120598	0.091625	-0.033499
22	P2	-18.123667	0.087247	-0.016568
26	P2	-16.410830	0.094651	-0.052335
30	P2	-19.471869	0.090276	-0.012165

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.181030	0.005068	-0.029034
7	P3	-8.181030	0.005068	-0.029034
11	P3	-8.181030	0.005068	-0.029034
15	P3	-8.181030	0.005068	-0.029034
19	P3	-8.181030	0.005068	-0.029034
22	P3	-8.181030	0.005068	-0.029034
26	P3	-8.181030	0.005068	-0.029034
30	P3	-8.181030	0.005068	-0.029034

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	-3.848218	0.009102	-0.042114
7	P1	-2.475560	0.052277	-0.329295
11	P1	-2.879445	0.022491	-0.049575
15	P1	-3.654838	0.028831	-0.033806
19	P1	-3.465034	0.077919	-0.028629
22	P1	-5.098261	0.035831	-0.048103
26	P1	-5.870236	0.023979	-0.010672
30	P1	-5.202105	0.076989	-0.052866
3	P1	-11.636215	0.046935	-0.032336
7	P1	-9.944819	0.071359	-0.319561
11	P1	-10.344011	0.061980	-0.086268
15	P1	-10.858954	0.150566	0.009906
19	P1	-15.687954	3.565481	-0.001705
22	P1	-20.799036	1.700662	-0.299384

26	P1	-15.941862	0.390919	0.103026
30	P1	-18.060034	0.807983	-0.287037

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.411501	0.055424	0.056299
7	P2	-22.191919	0.088754	0.065137
11	P2	-10.899755	0.042435	0.010818
15	P2	-4.859422	0.037585	0.000876
19	P2	-6.848886	0.038074	-0.013353
22	P2	-8.157285	0.032924	0.005861
26	P2	-24.172426	0.052442	-0.027129
30	P2	-21.961710	0.042371	-0.011389

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.026577	0.003924	-0.039967
7	P3	-8.026424	0.003920	-0.039832
11	P3	-8.026433	0.003928	-0.039884
15	P3	-8.026488	0.003945	-0.039759
19	P3	-8.026538	0.003945	-0.039633
22	P3	-8.026578	0.003913	-0.039763
26	P3	-8.026638	0.003934	-0.039685
30	P3	-8.026474	0.003925	-0.039805

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

☒

4.3.2 - Evolution for GM1

☒

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000546597
	stdev	1.80033e-07
MEAN Q	mean	0.000520026
	stdev	2.19672e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136187
	stdev	0.00114189
STDEV Q	mean	0.136540
	stdev	0.00115916

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006092[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_IMM_1PNPDE20060920_001749_000001822051_00217_23818_6049.N1	1	0
ASA_IMM_1PNPDE20060920_015825_000001852051_00218_23819_6068.N1	1	0
ASA_IMM_1PNPDE20060920_234612_000001712051_00231_23832_6130.N1	1	0
ASA_WSM_1PNPDE20060920_163137_000000672051_00226_23827_3061.N1	0	95
ASA_WSM_1PNPDE20060920_183929_000002982051_00228_23829_3078.N1	0	14

ASA_WSM_1PNPDE20060921_033637_000001462051_00233_23834_3151.N1	0	1
ASA_WSM_1PNPDE20060921_162641_000001032051_00241_23842_3224.N1	0	40
ASA_WSM_1PNPDE20060921_180903_000000852051_00242_23843_3234.N1	0	34

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

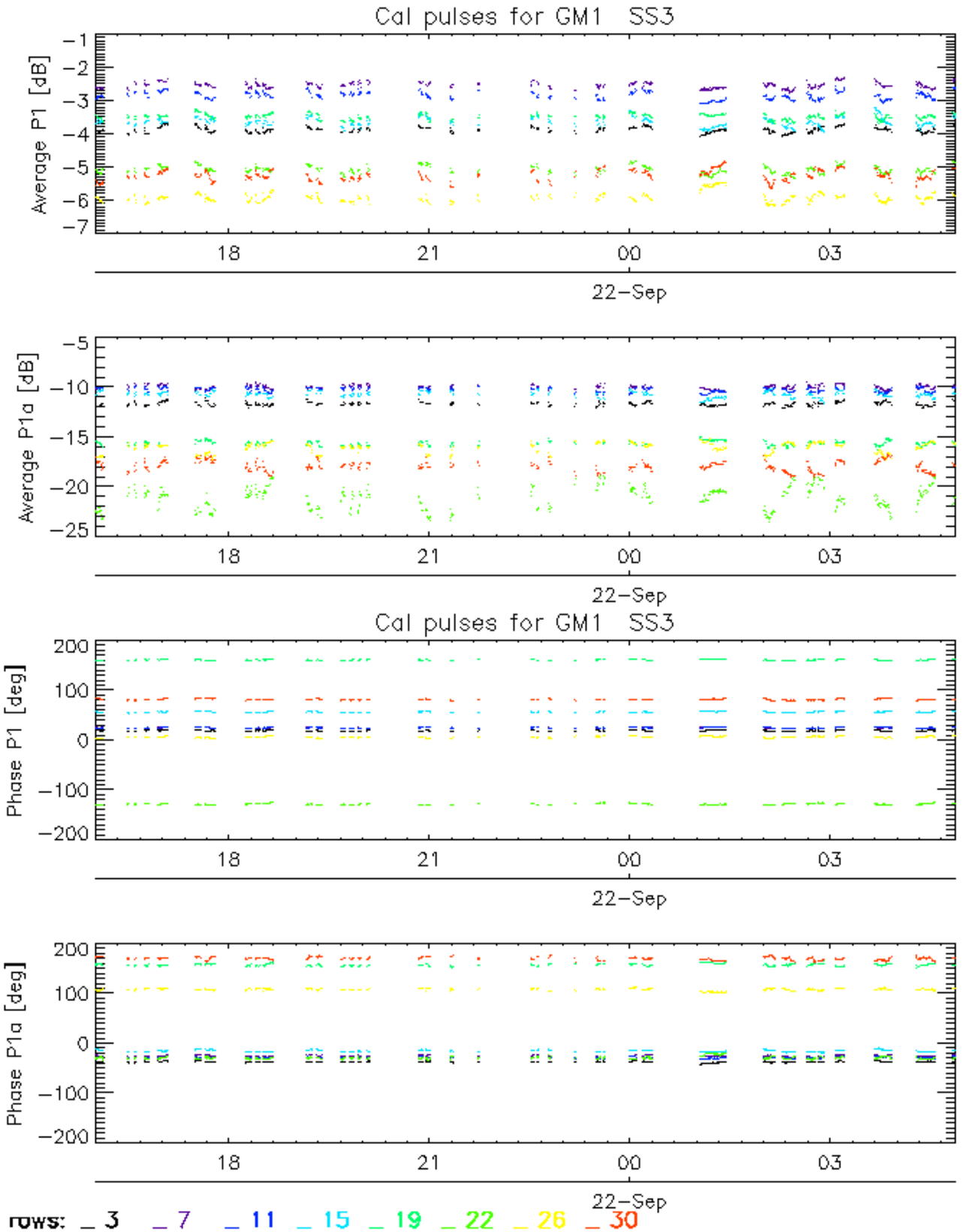
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

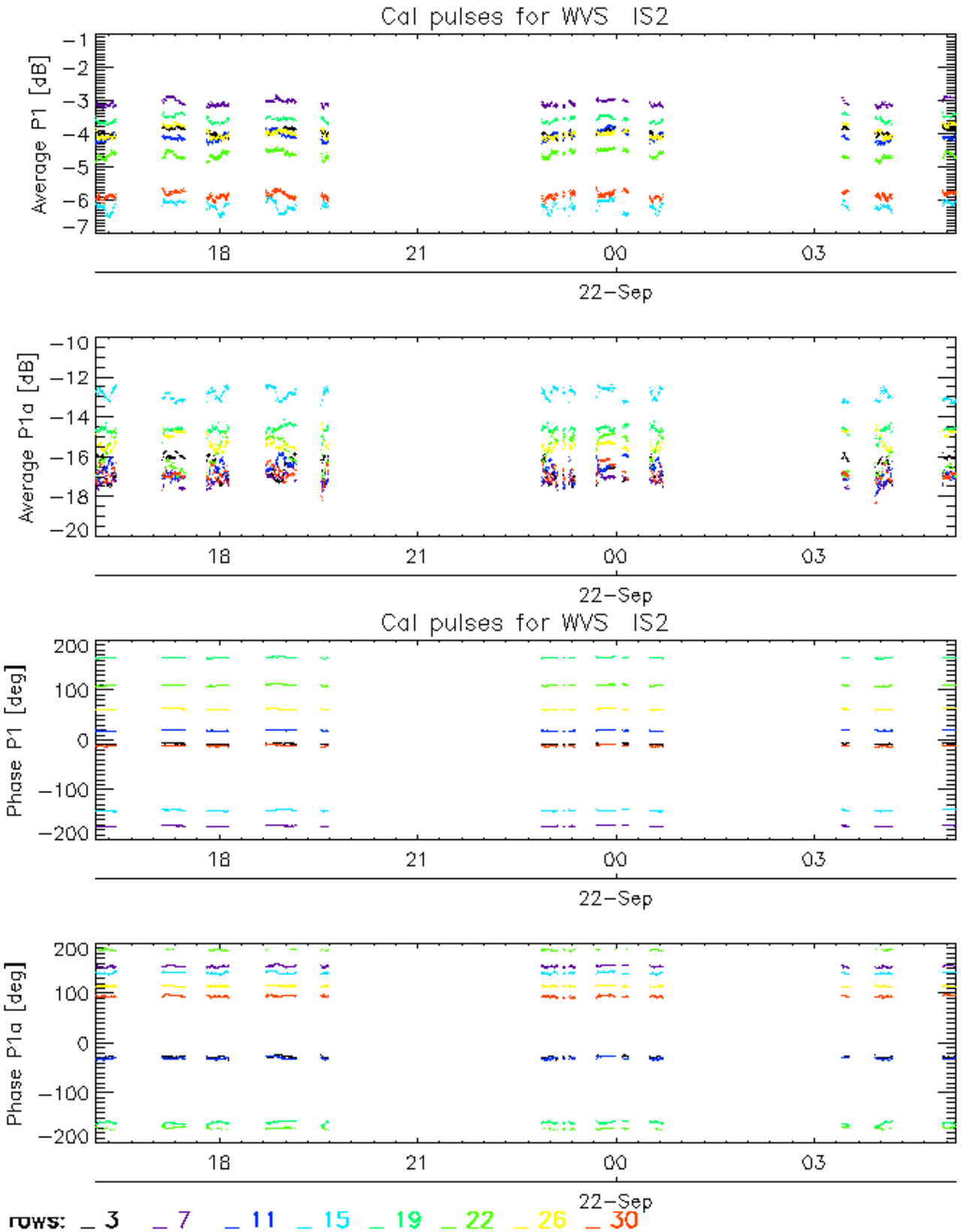
7.5 - Absolute Doppler for GM1

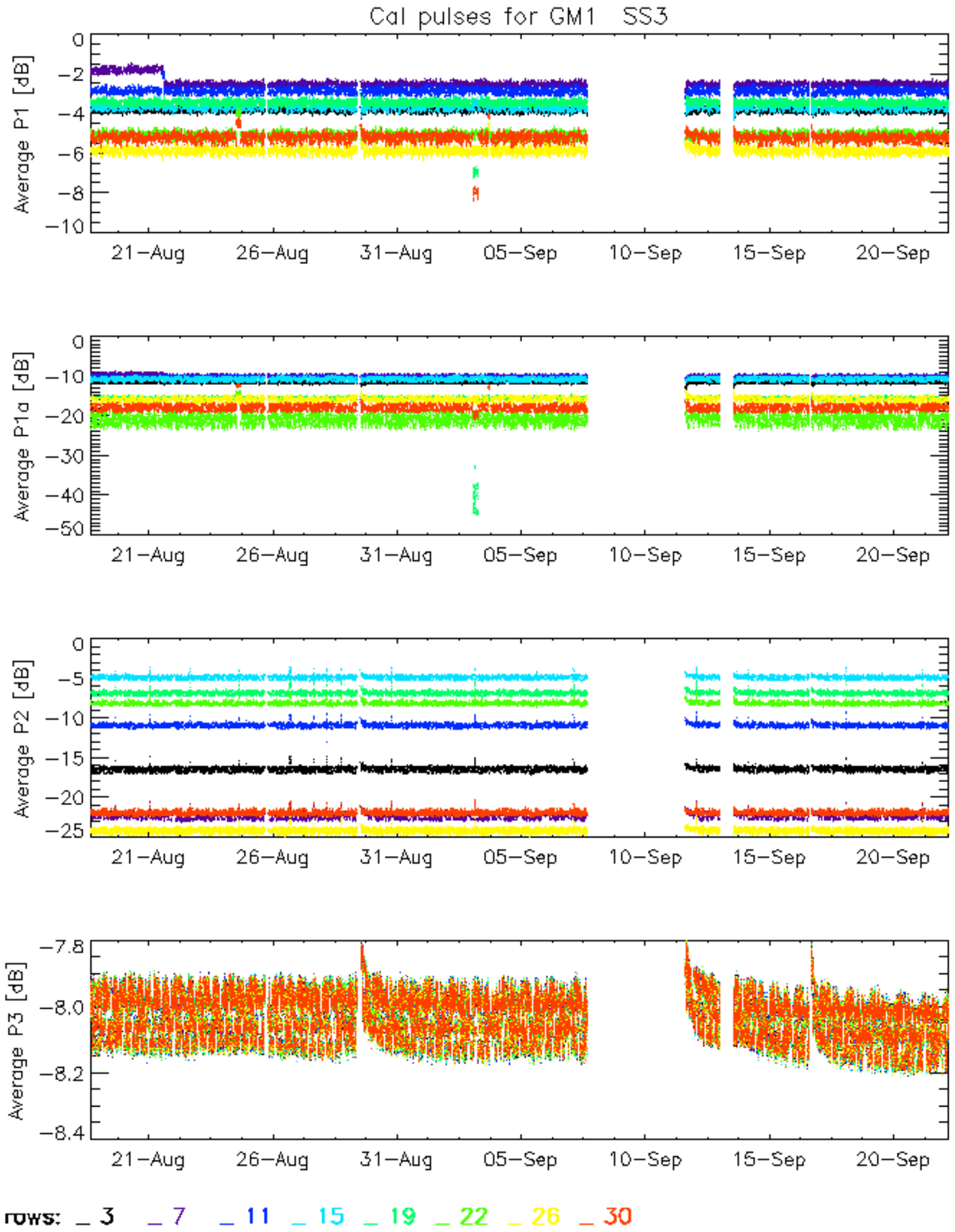
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

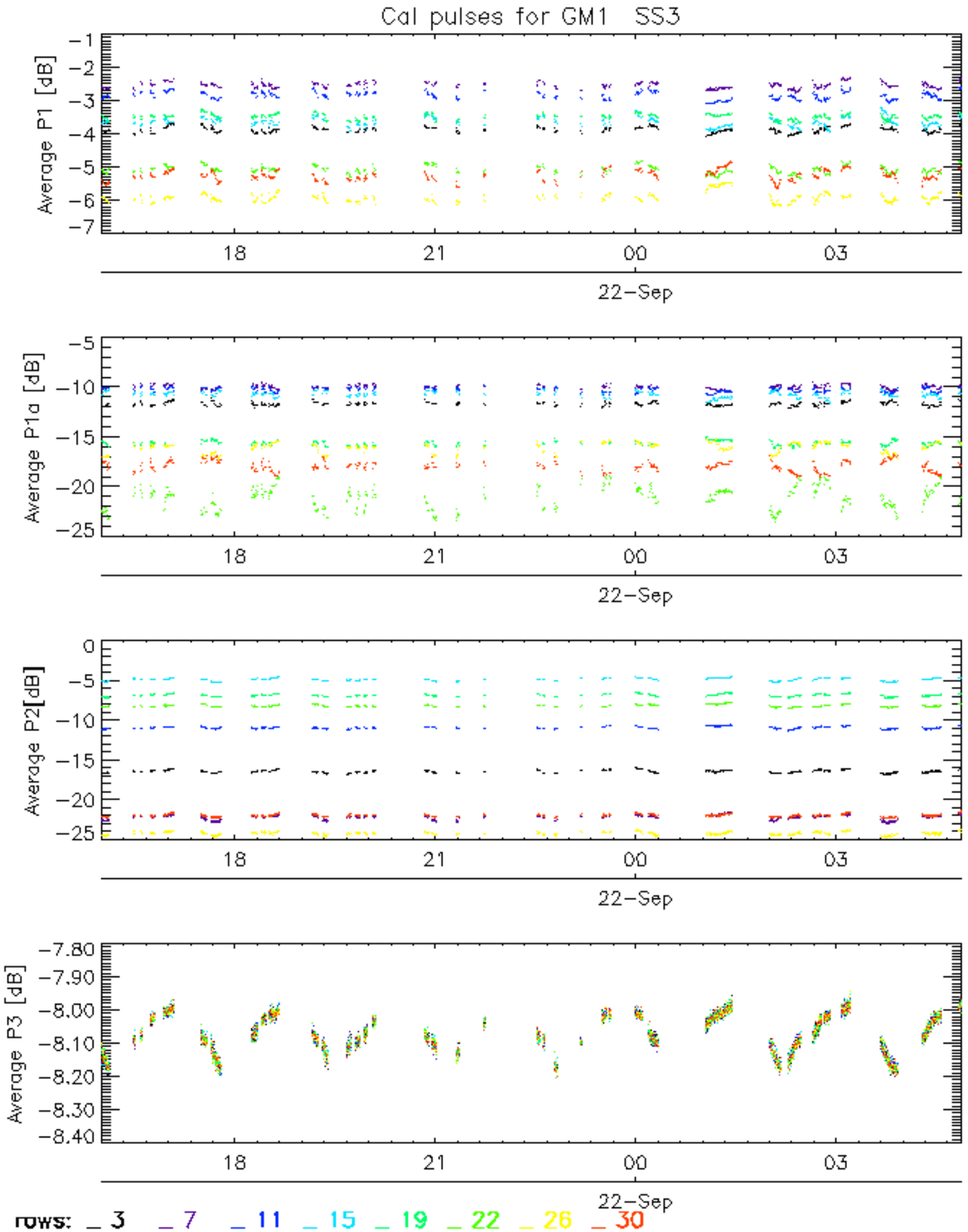
7.6 - Doppler evolution versus ANX for GM1

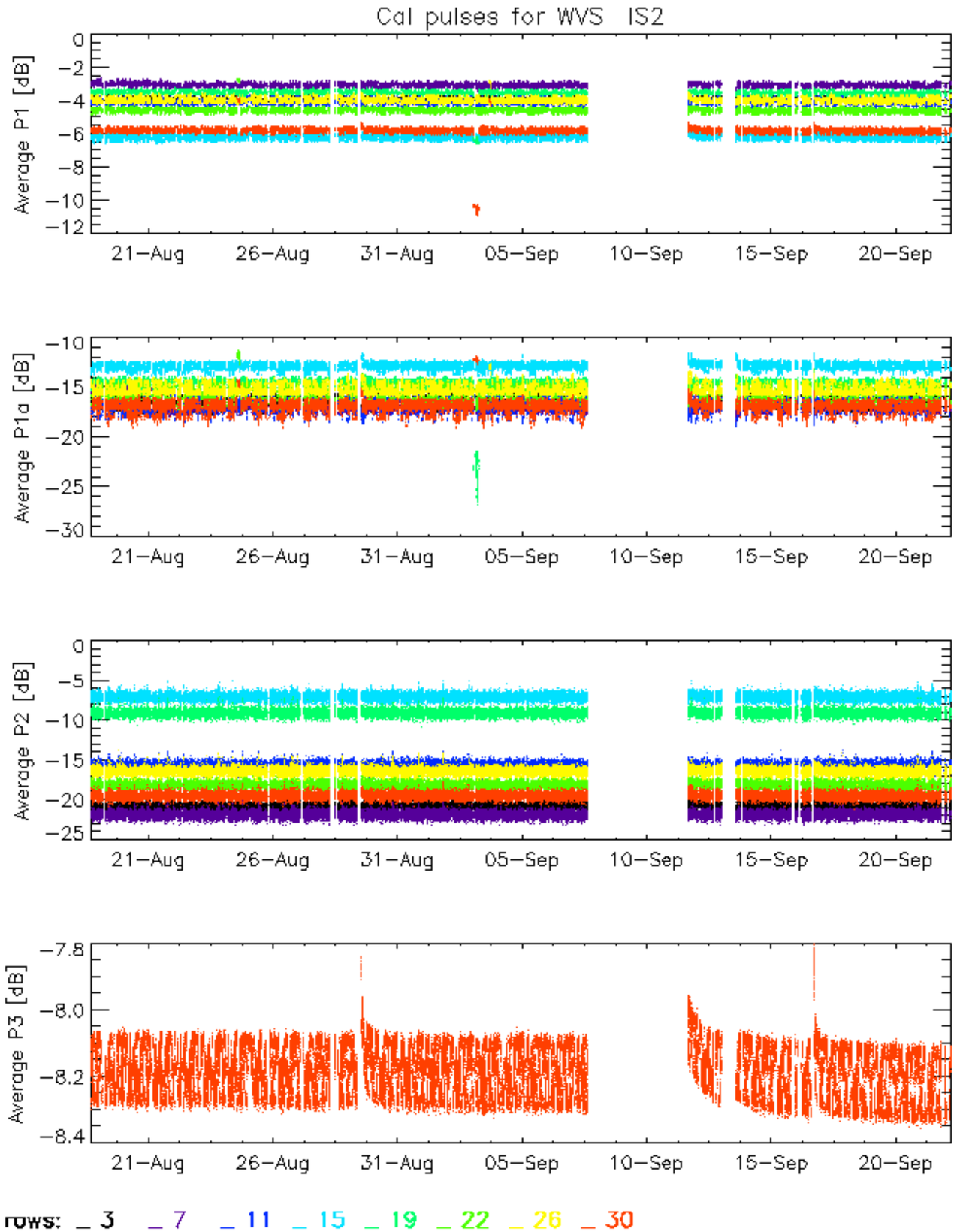
Evolution Doppler error versus ANX
☒

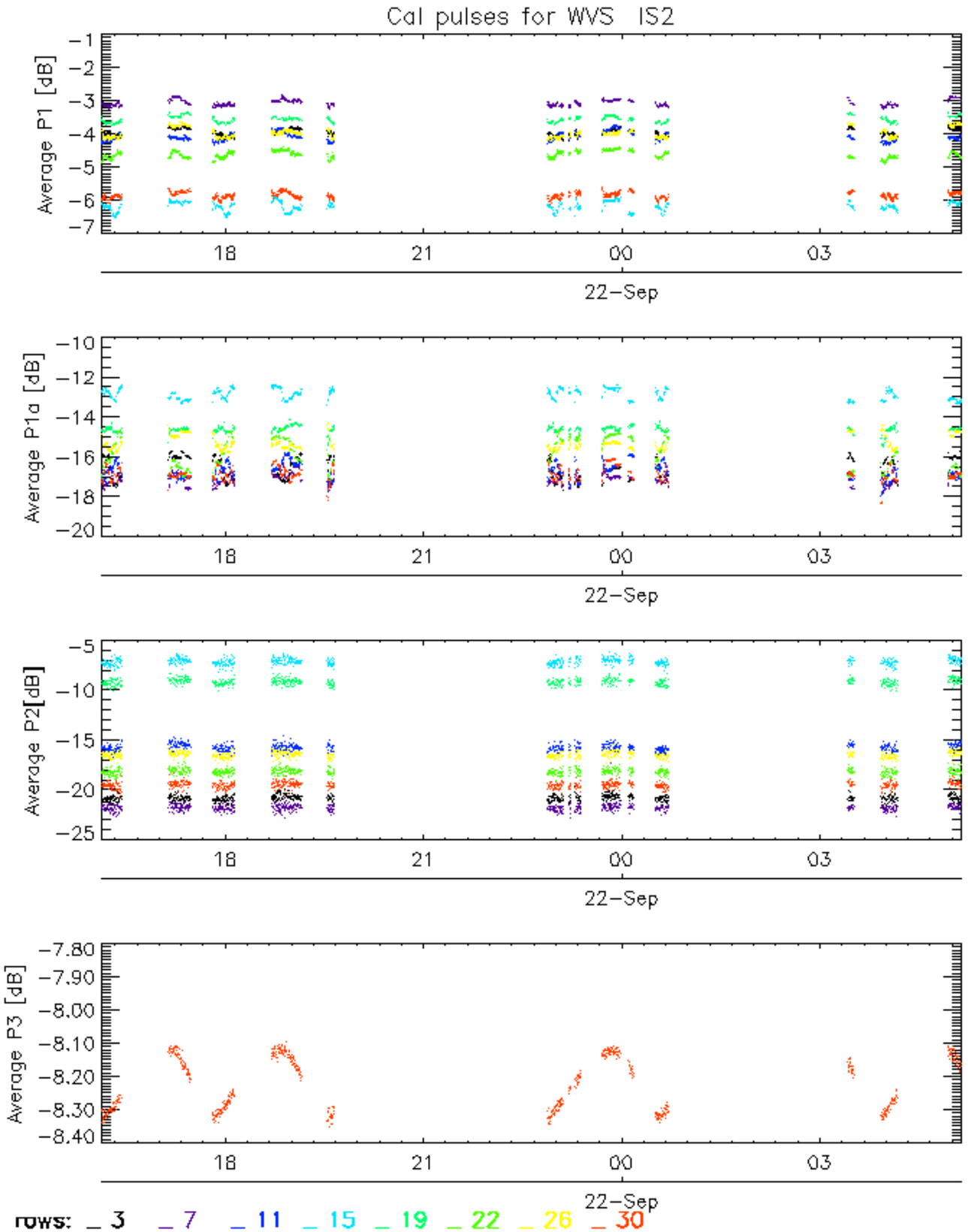

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
22−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
22−Sep
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
22−Sep
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
22−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
Average P1a [dB]
0
−10
−20
−30
−40
−50
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

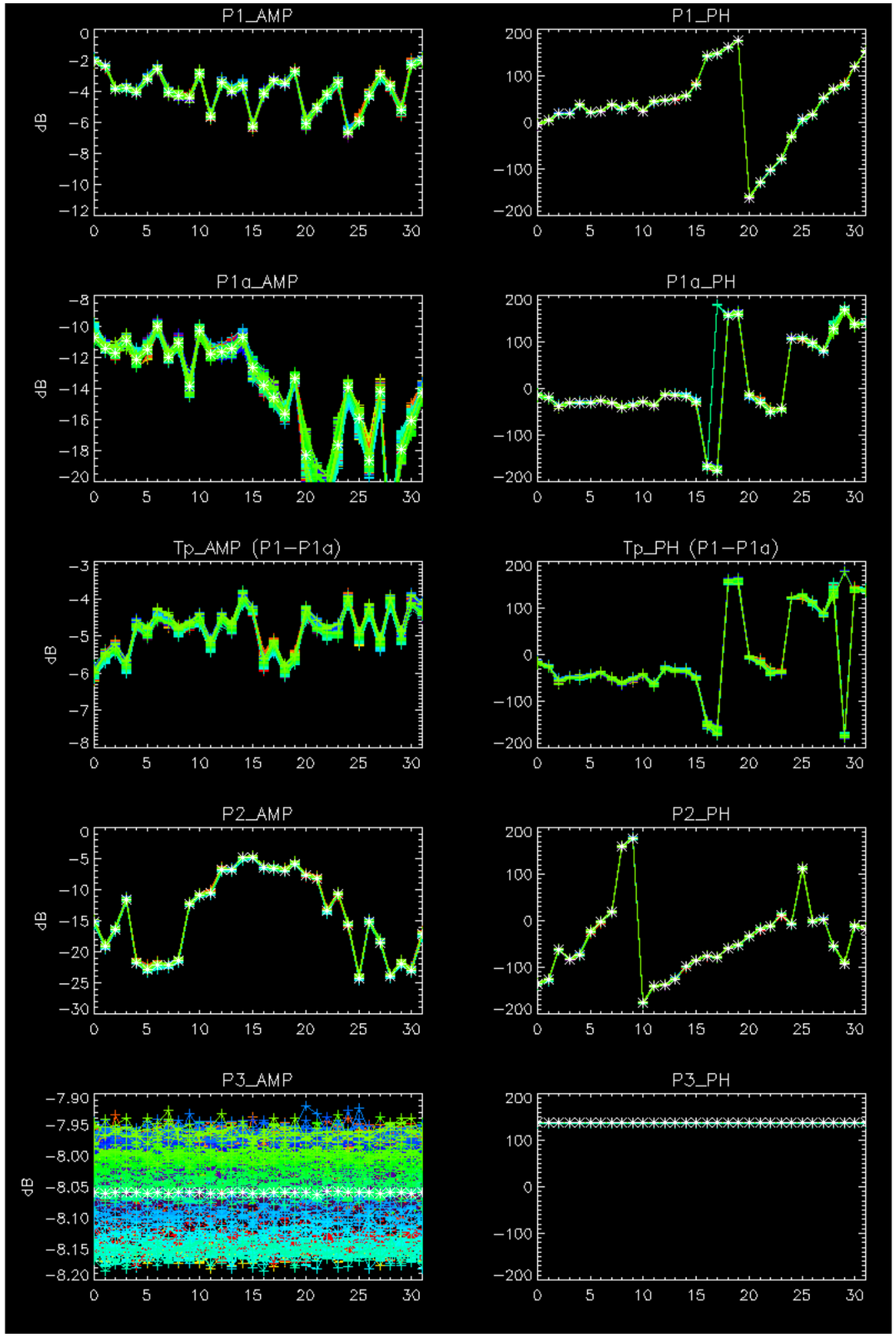

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
22−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
22−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
22−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
22−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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

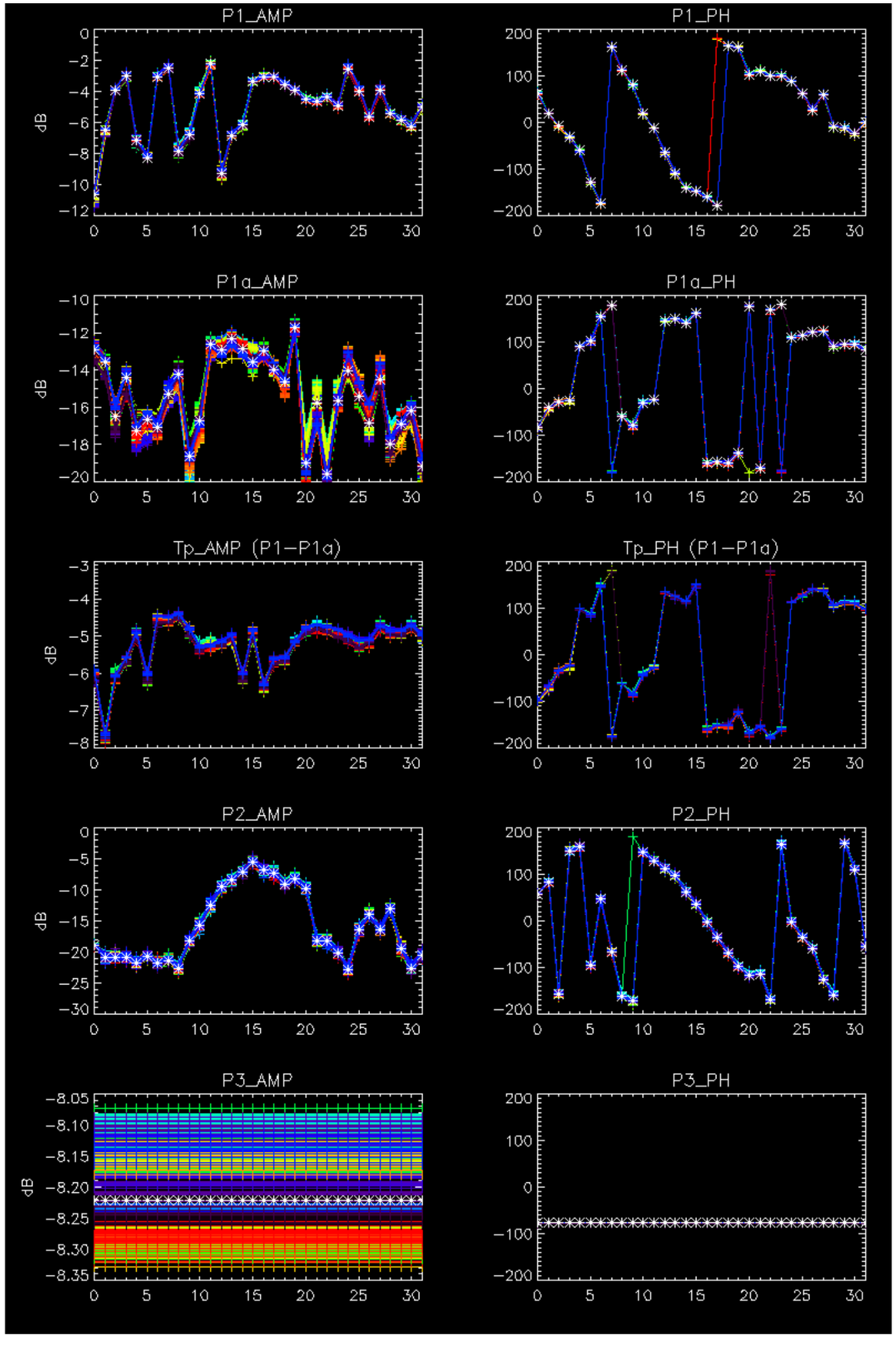

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
Average P1a [dB]
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
22−Sep
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
22−Sep
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
22−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
22−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

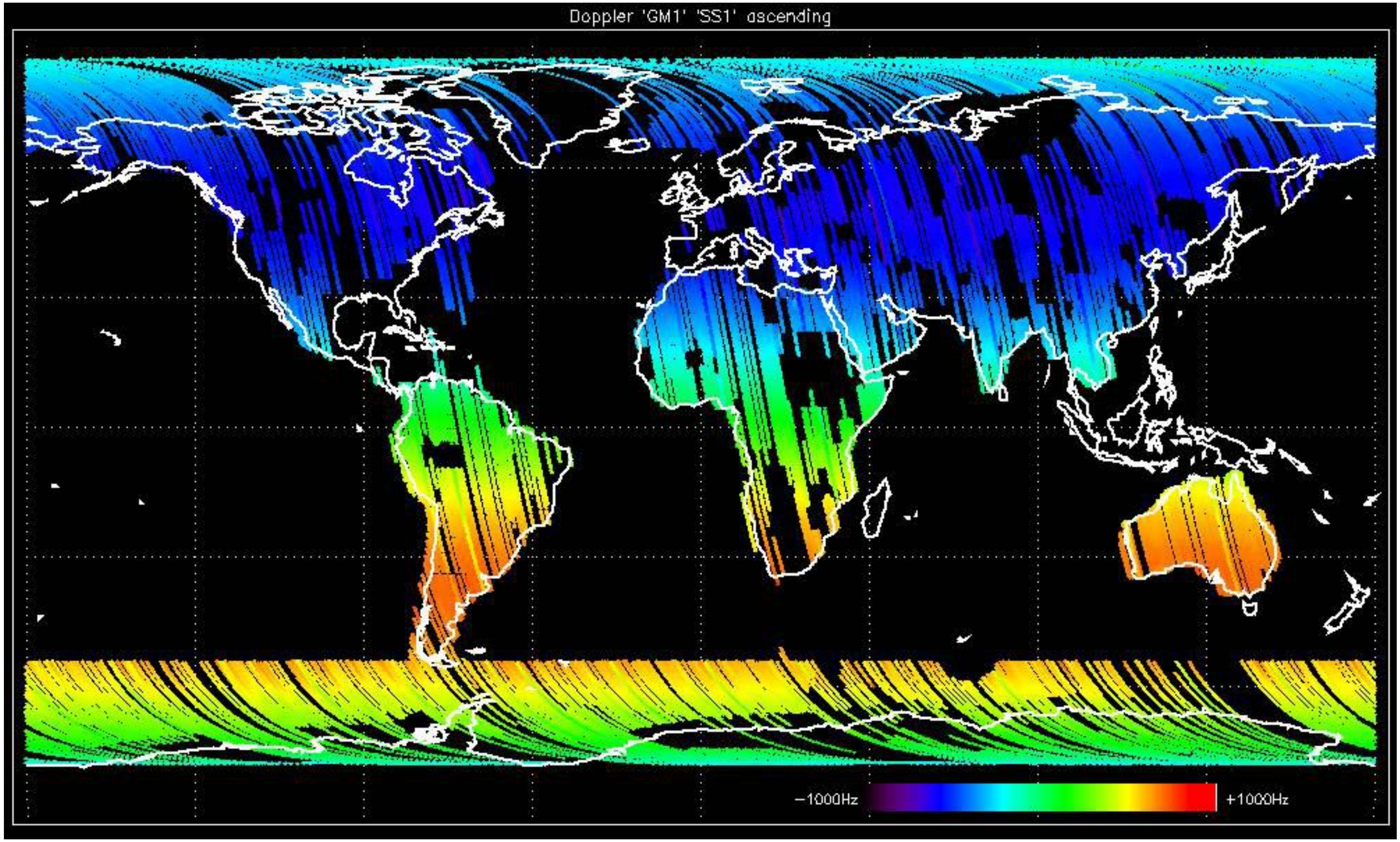
No anomalies observed.

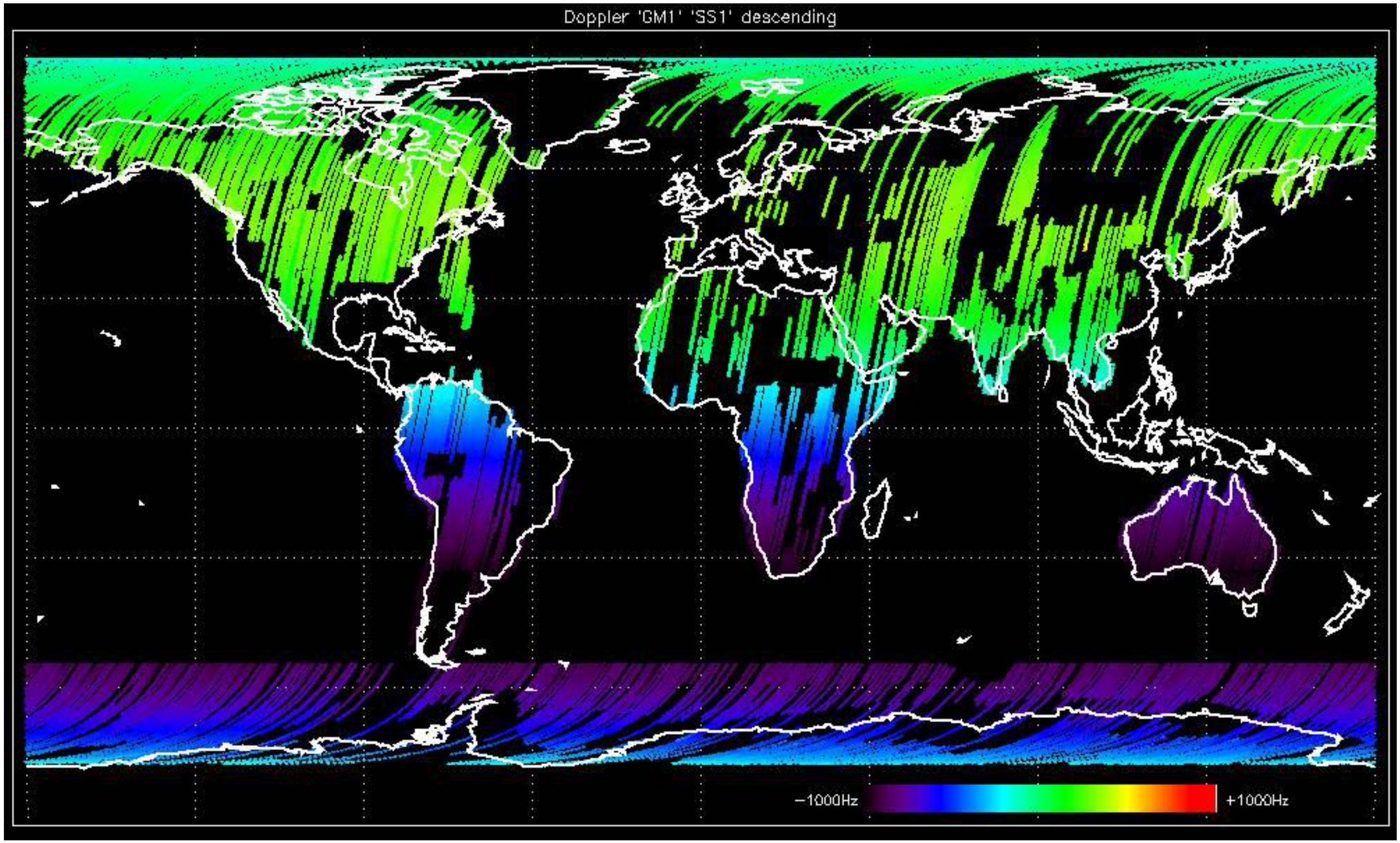

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

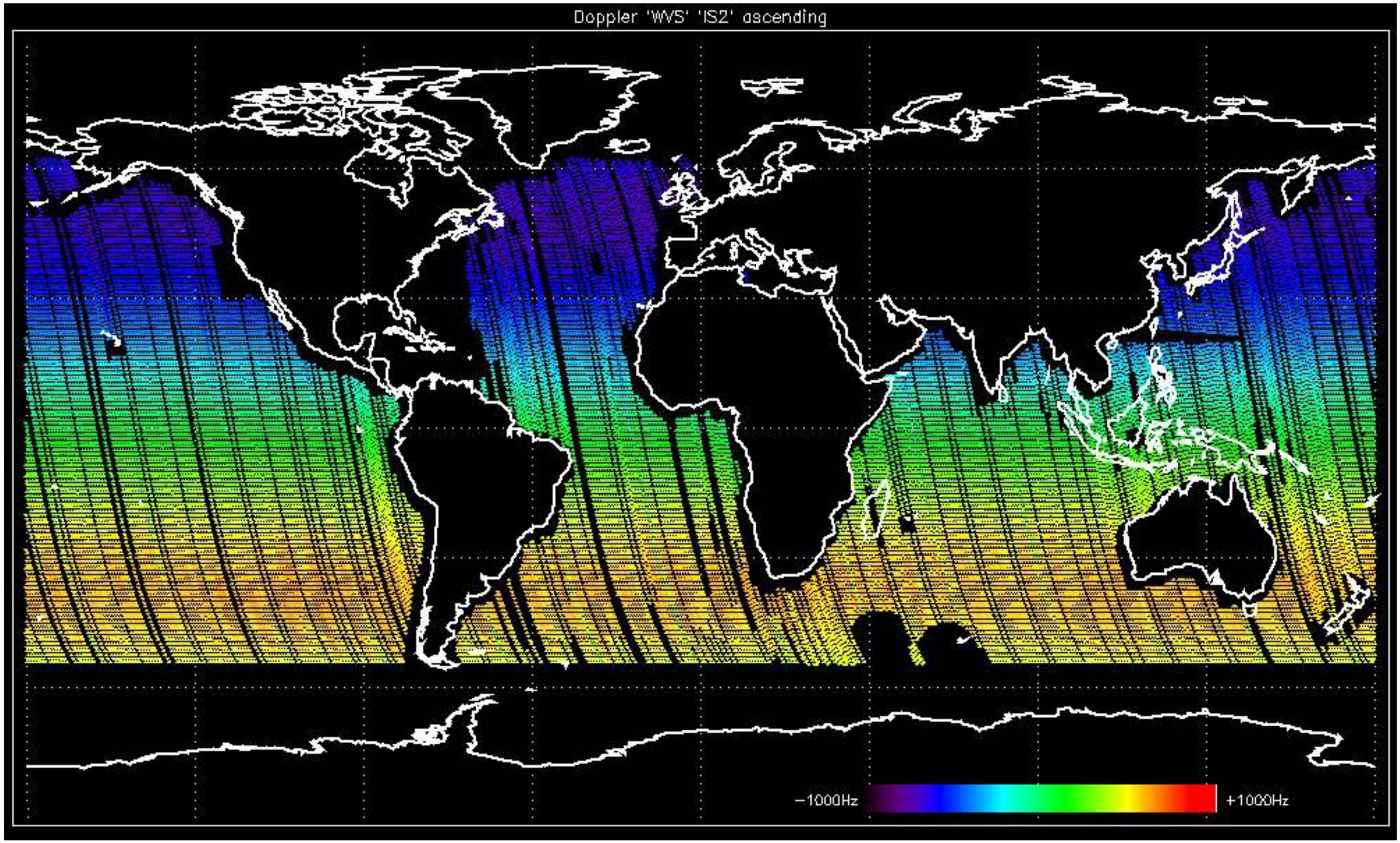

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

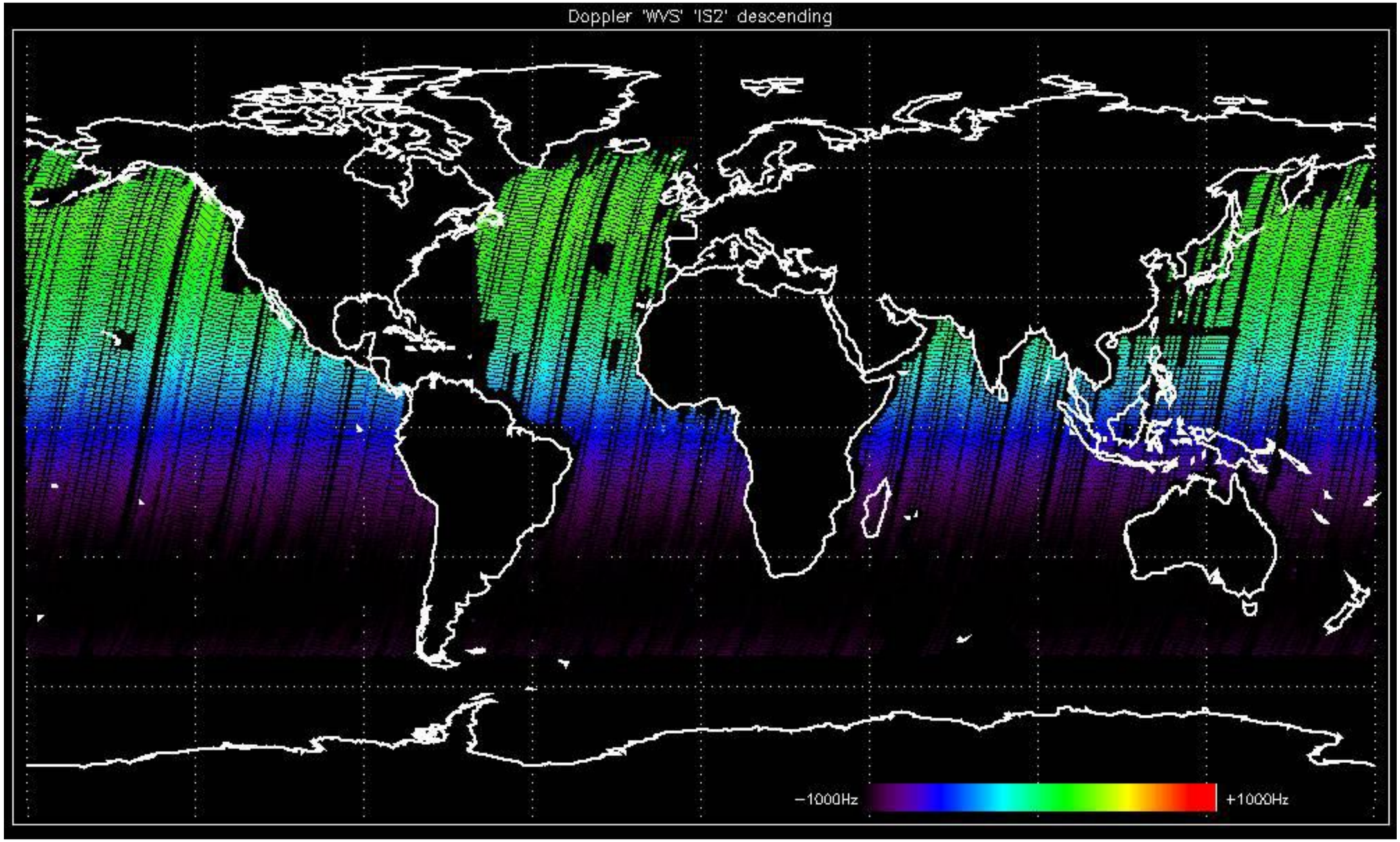
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

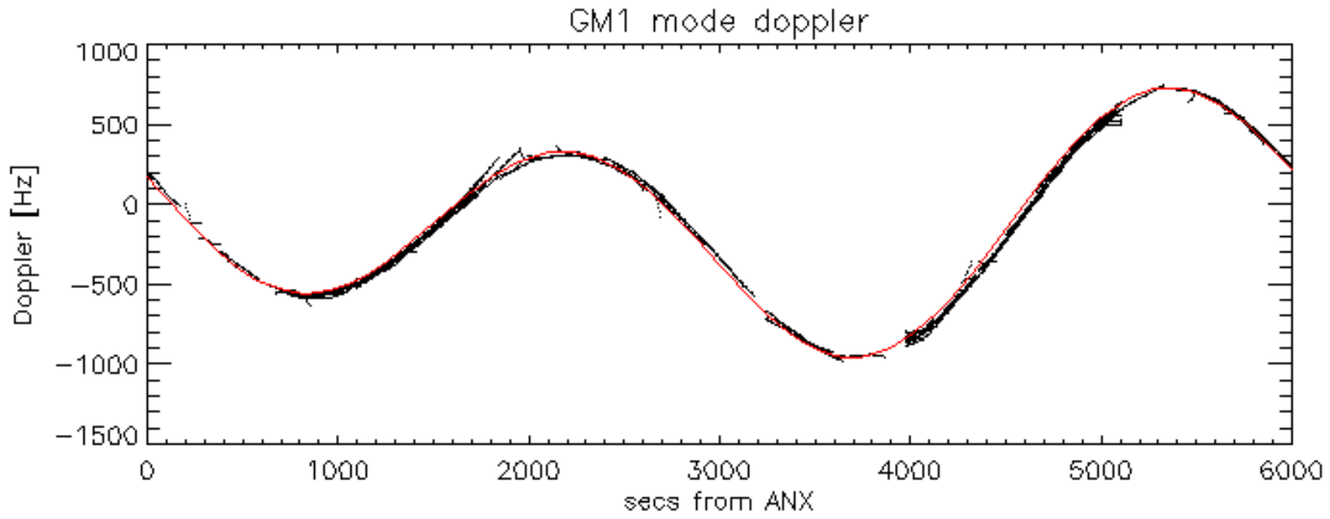
Preliminary report.The data is not yet controled

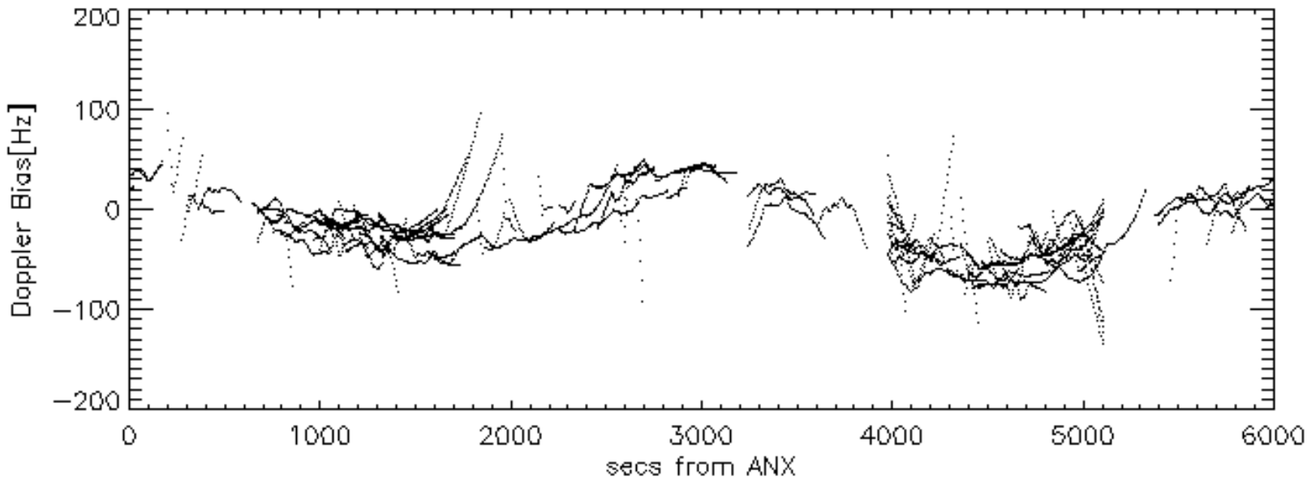

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

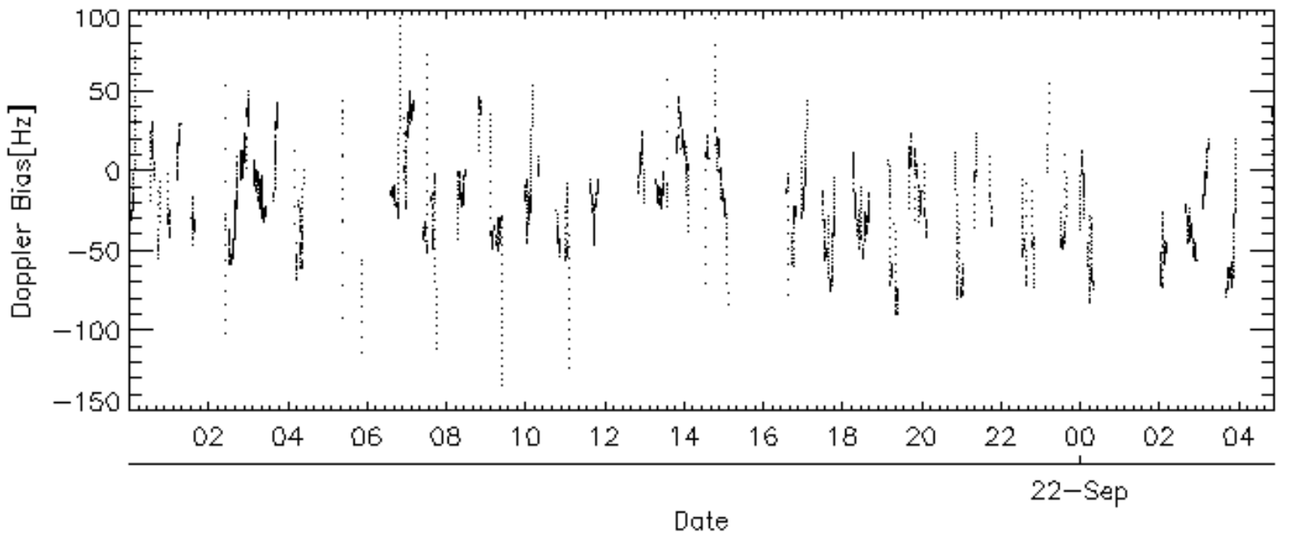

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

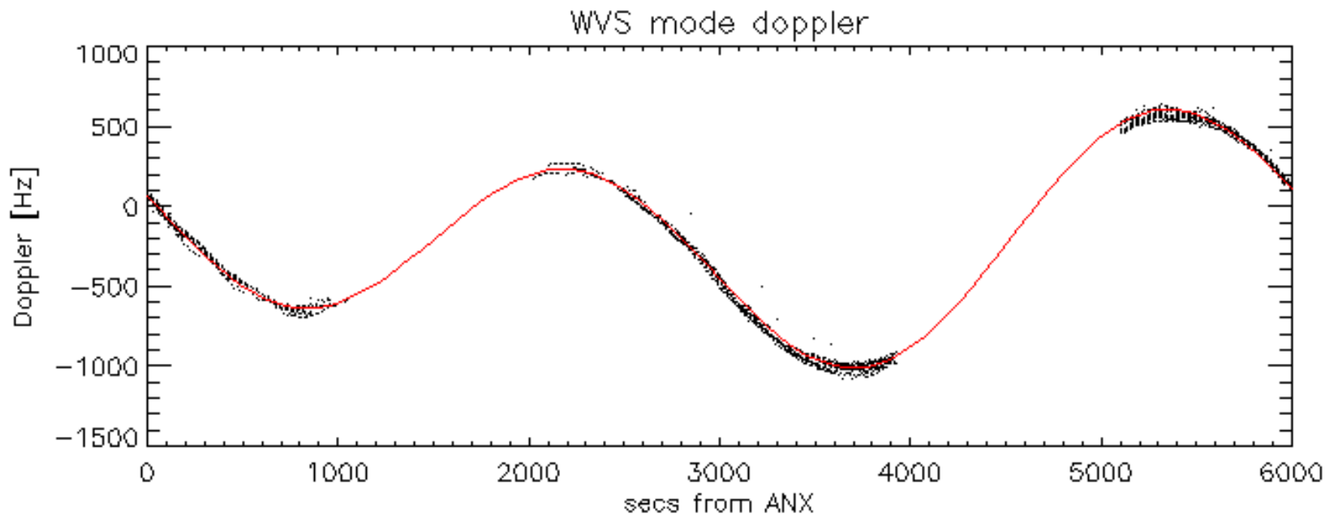

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

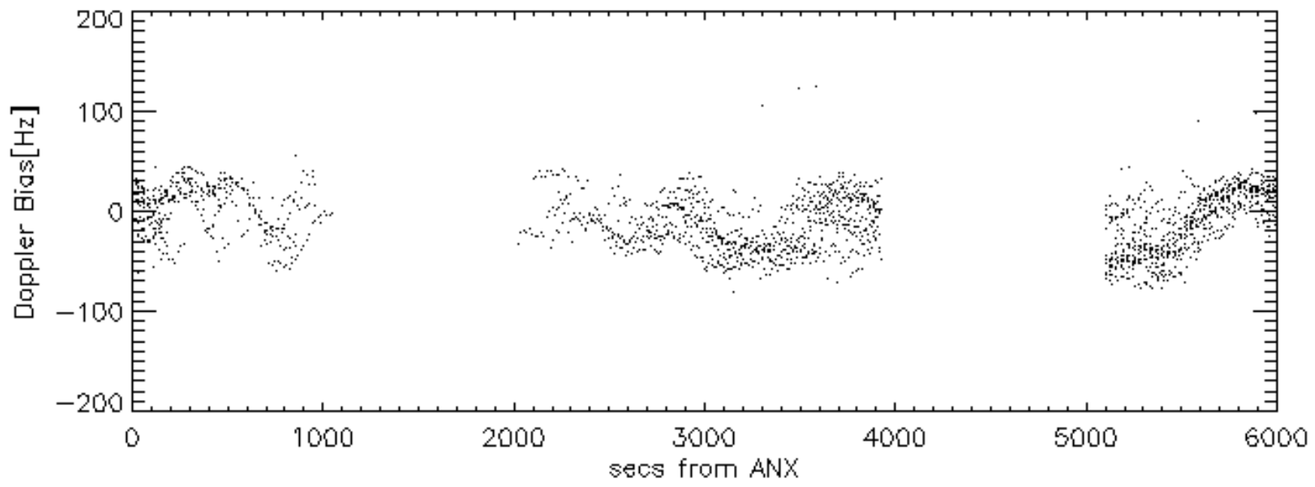

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

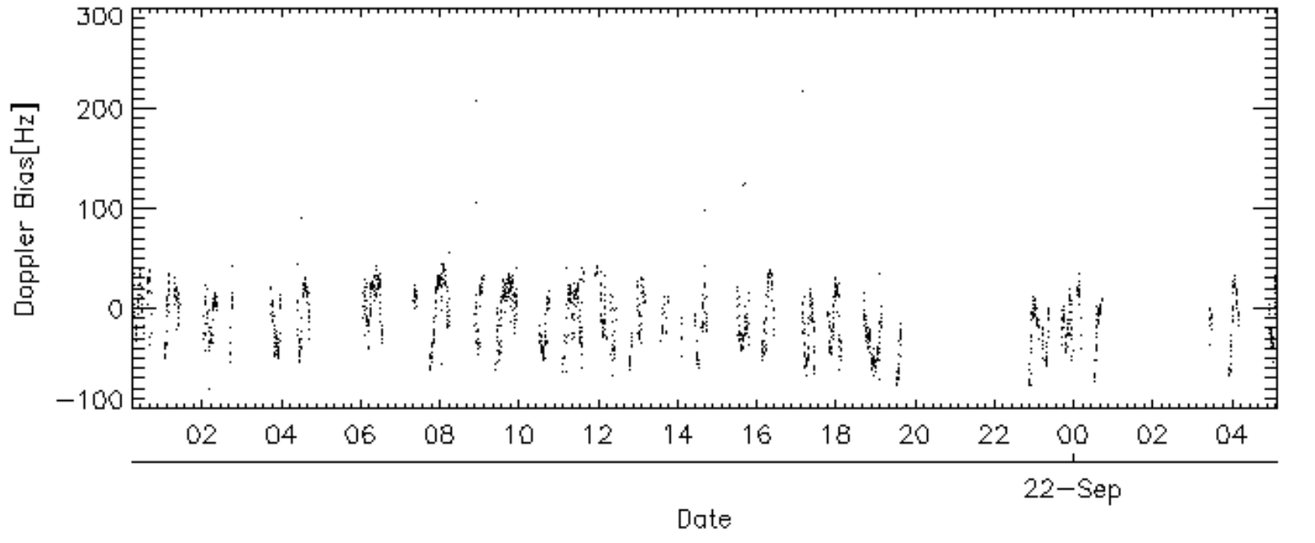

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

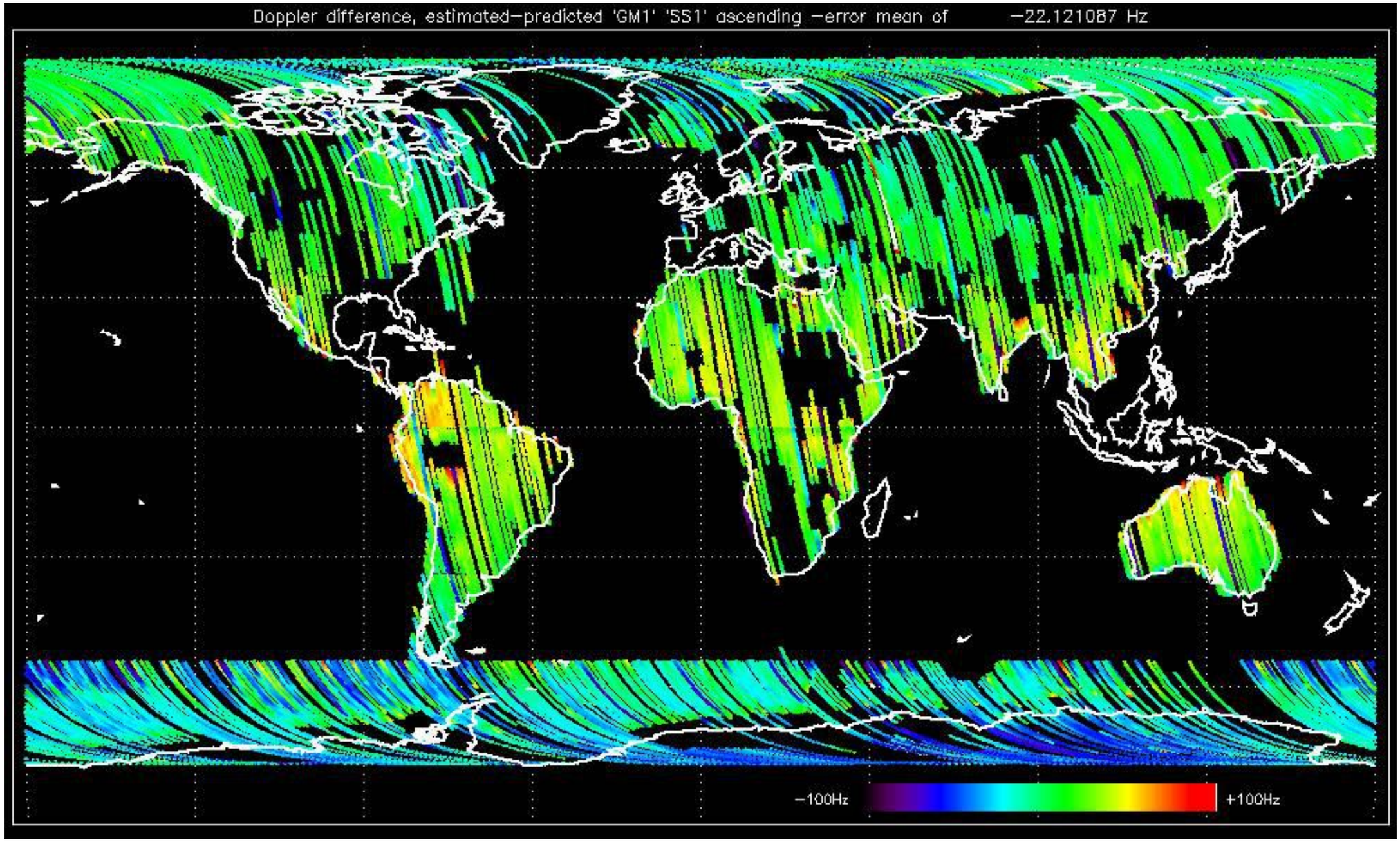

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

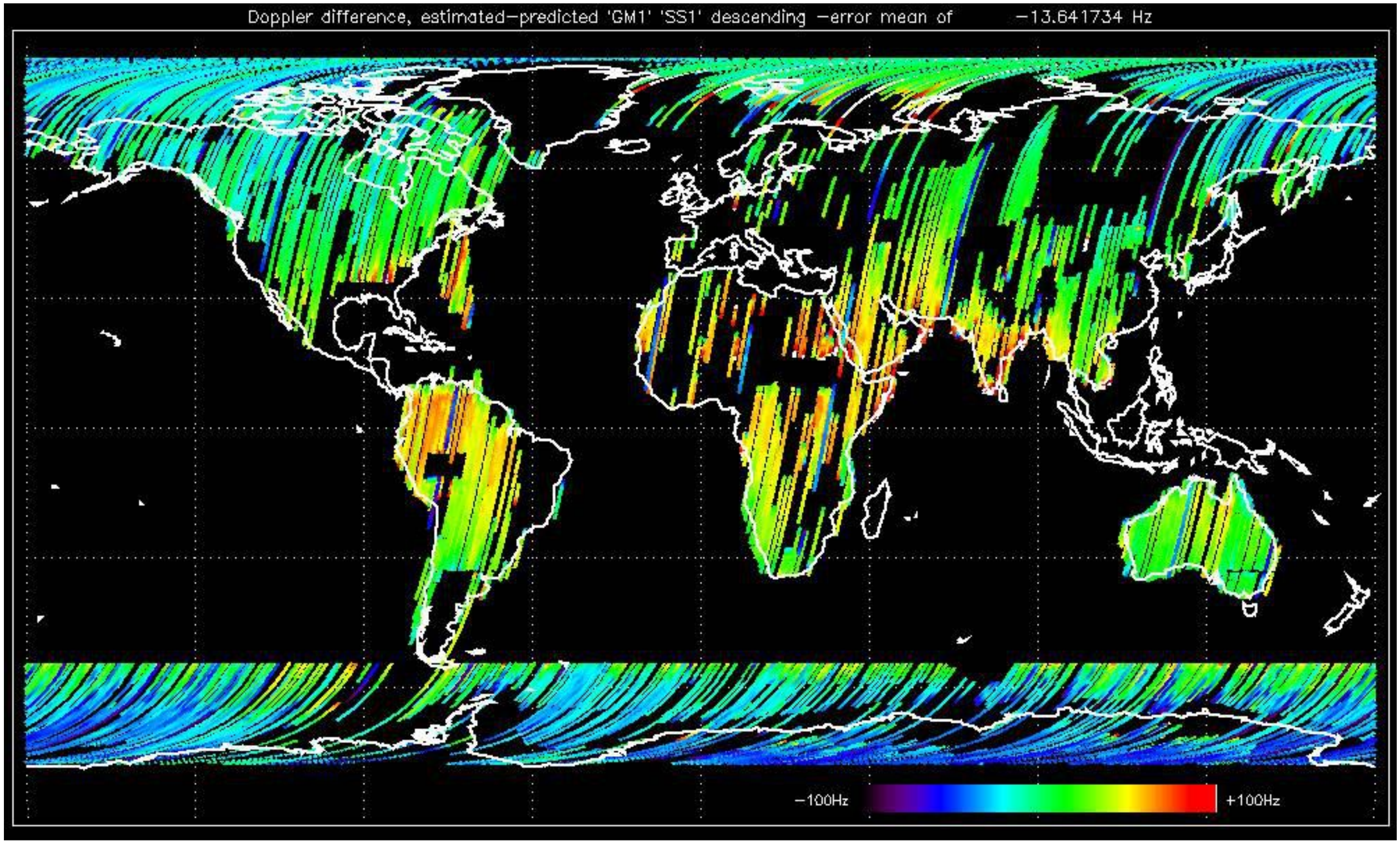

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
22−Sep
Date

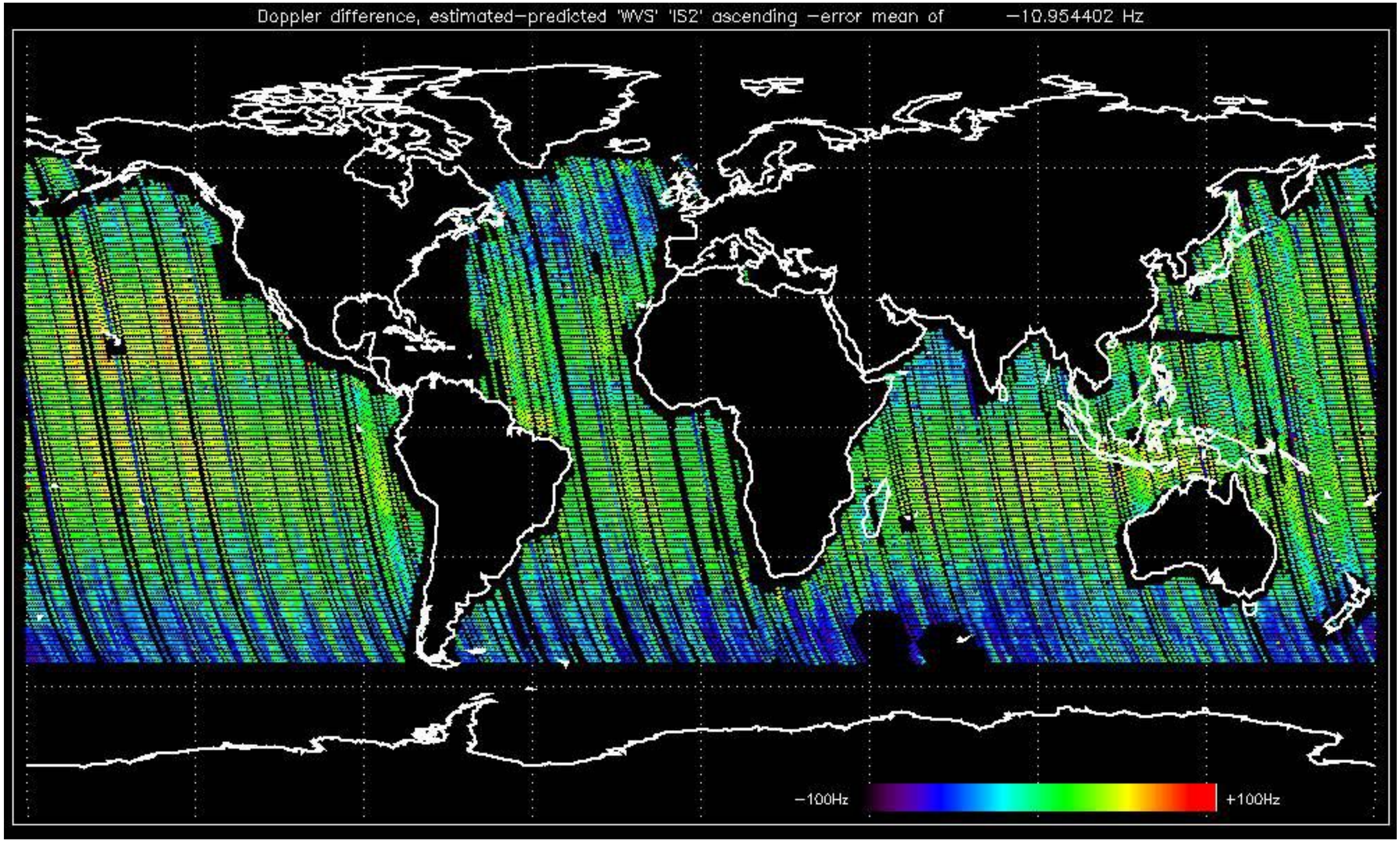

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

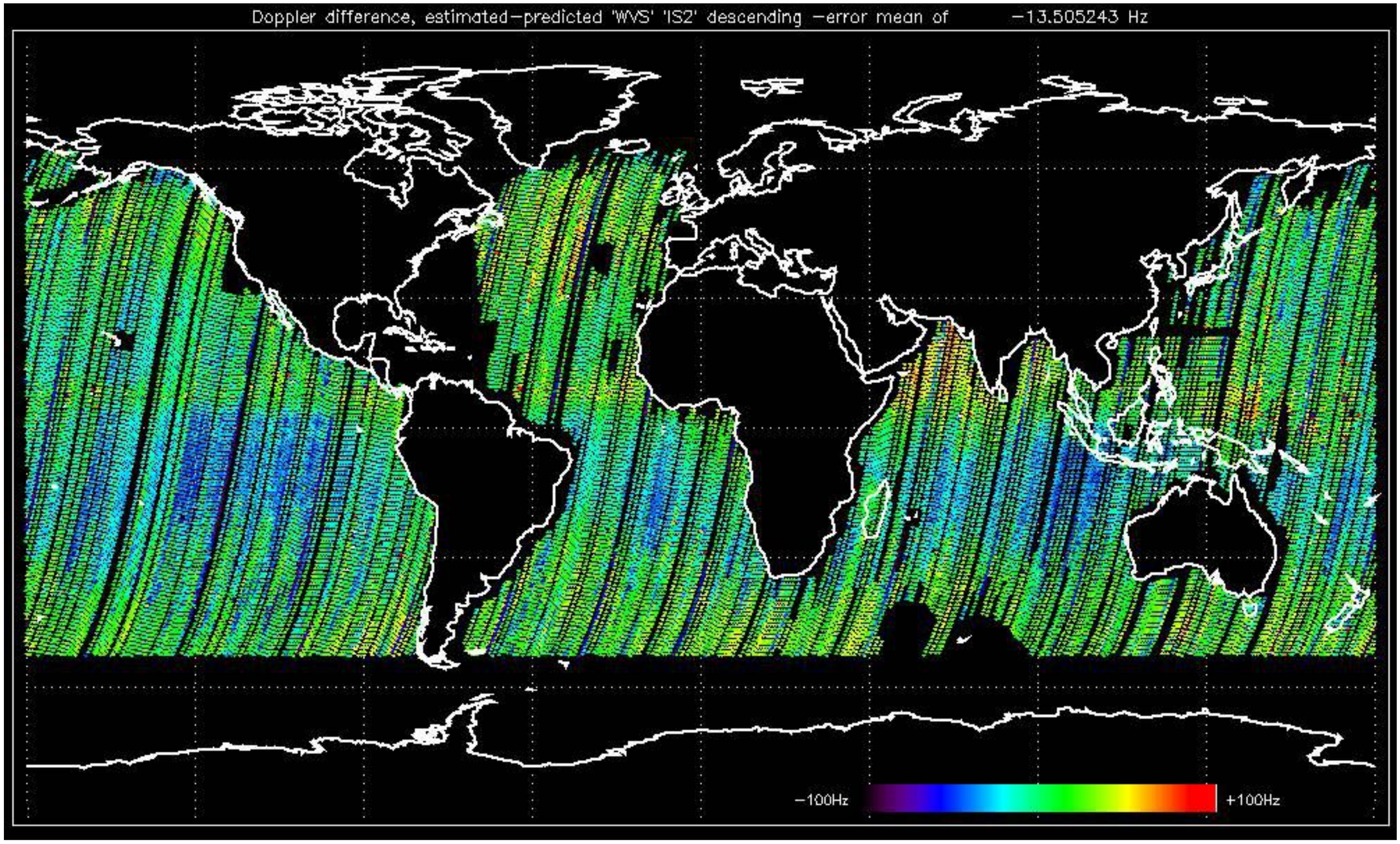

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −22.121087 Hz
−100Hz
+100Hz

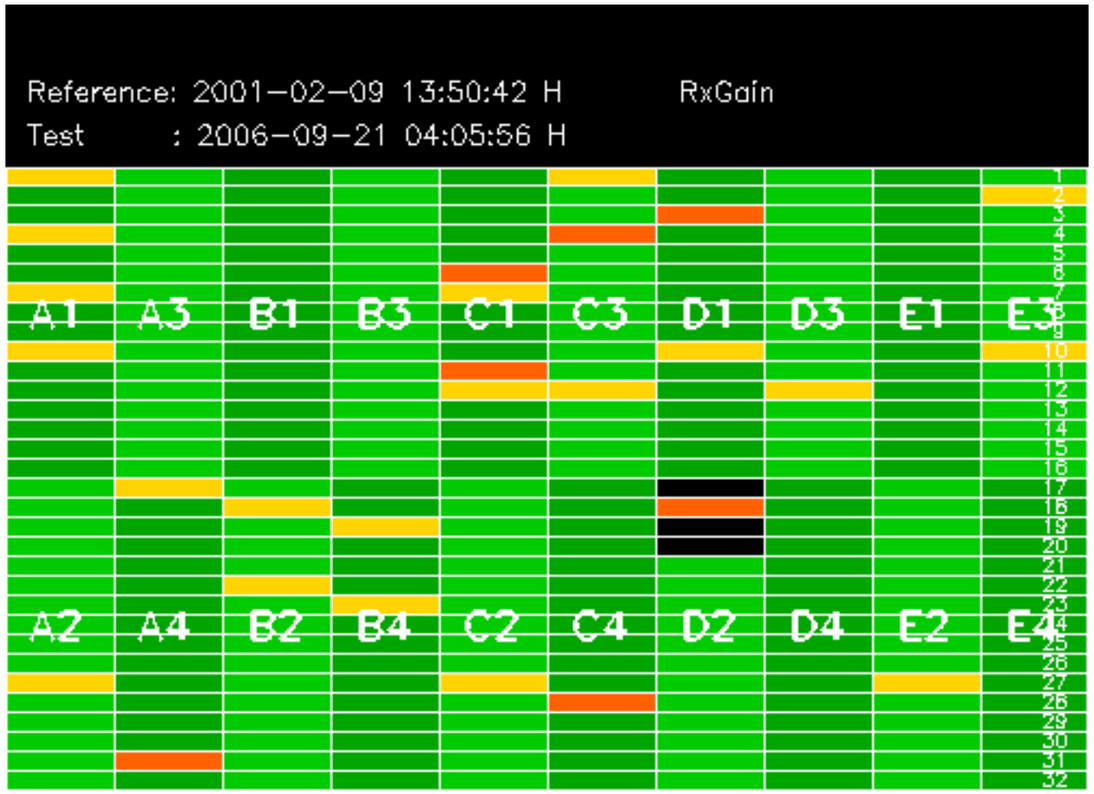

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.641734 Hz
−100Hz
+100Hz

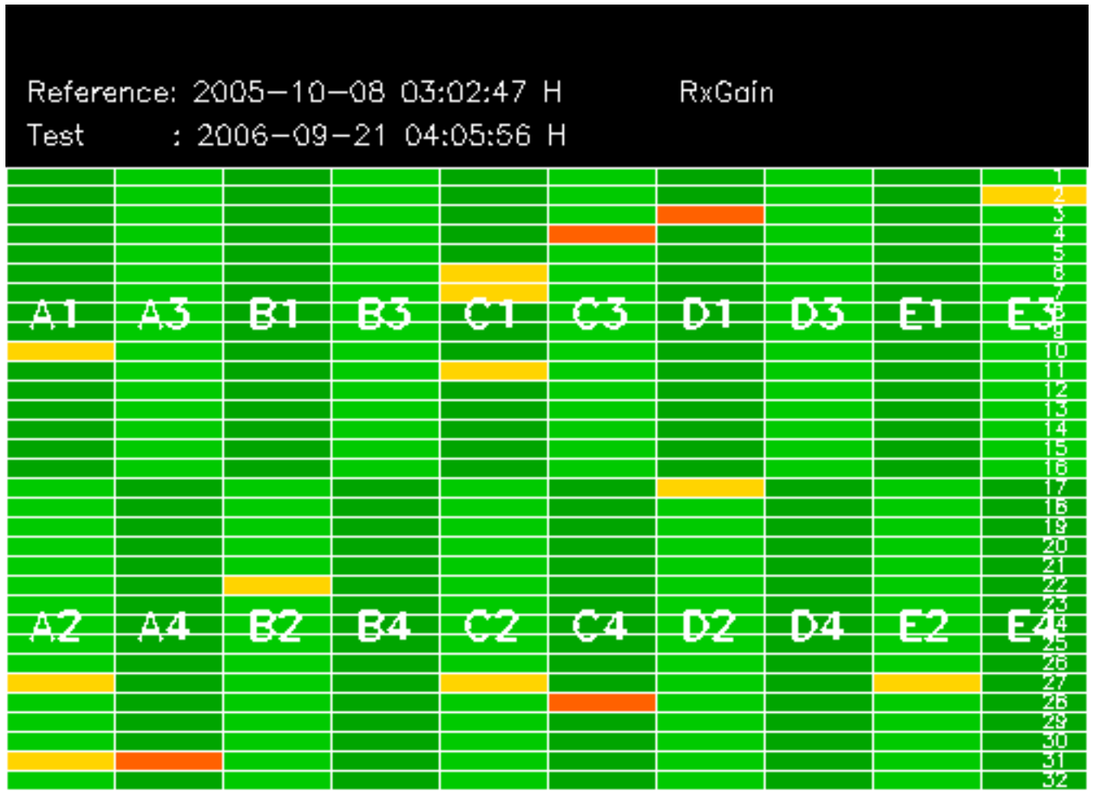

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −10.954402 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.505243 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-21 04:05:56 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 : 2006-09-21 04:05:56 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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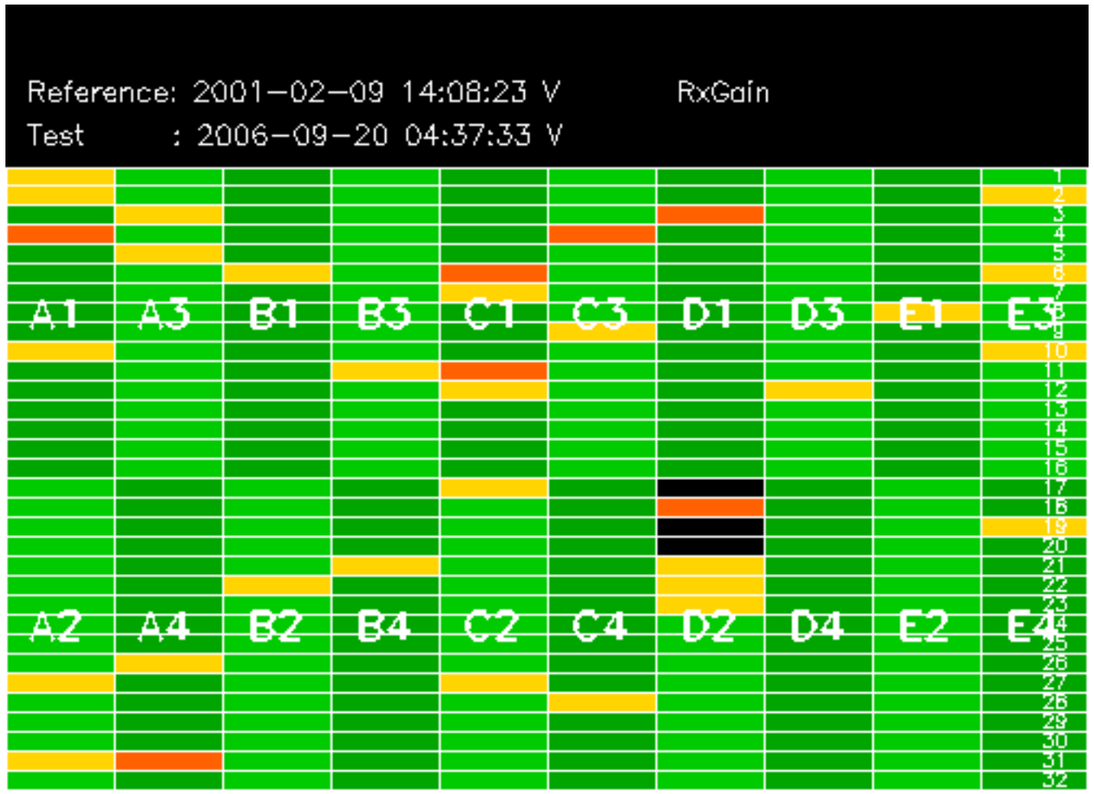
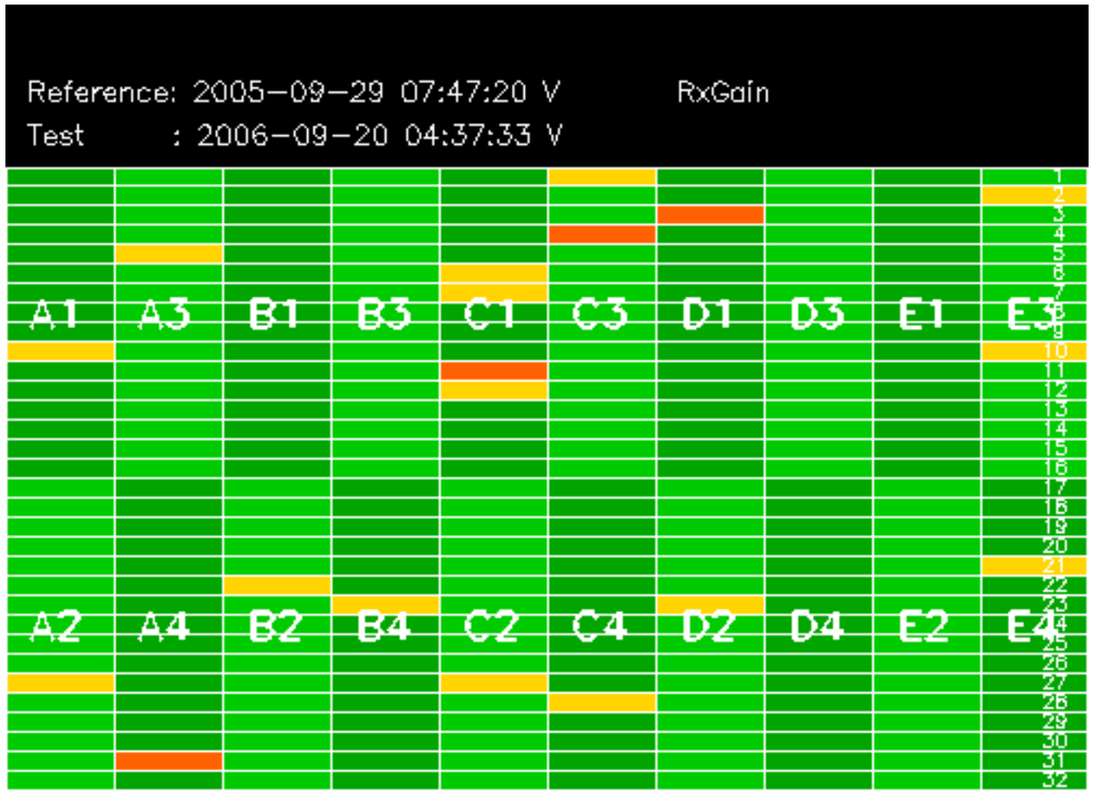
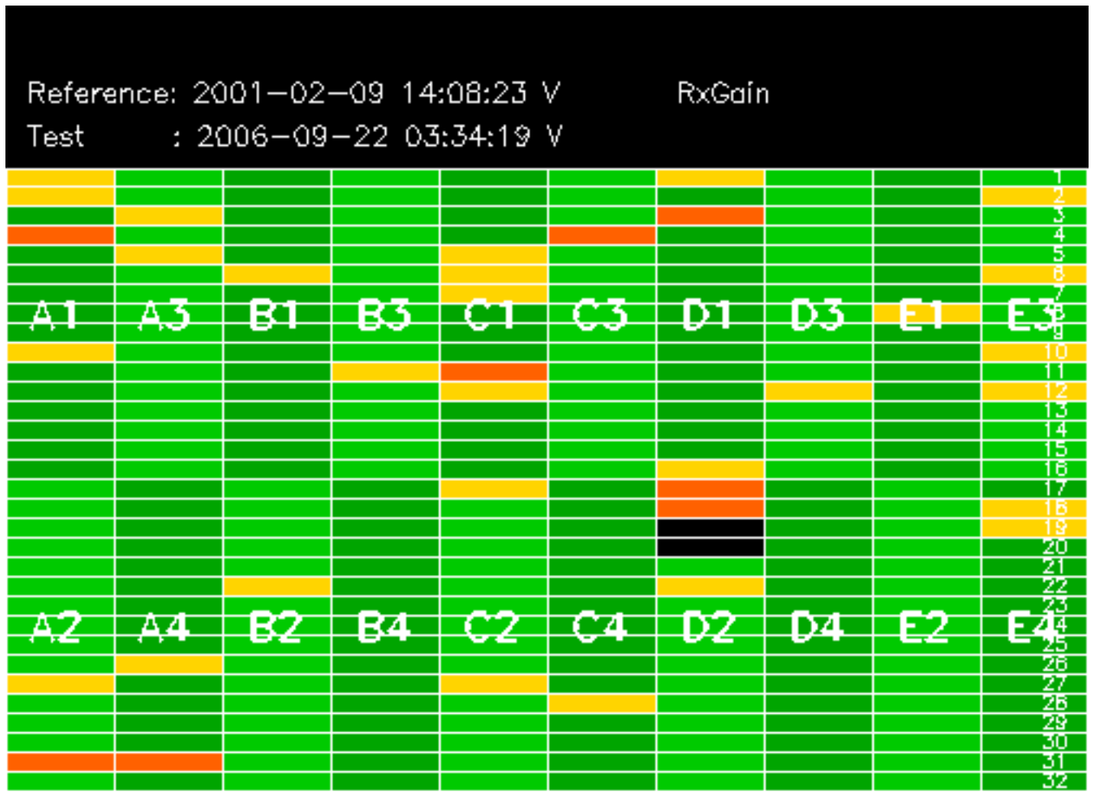

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-20 04:37:33 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-20 04:37:33 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 14:08:23 V
Test : 2006-09-22 03:34:19 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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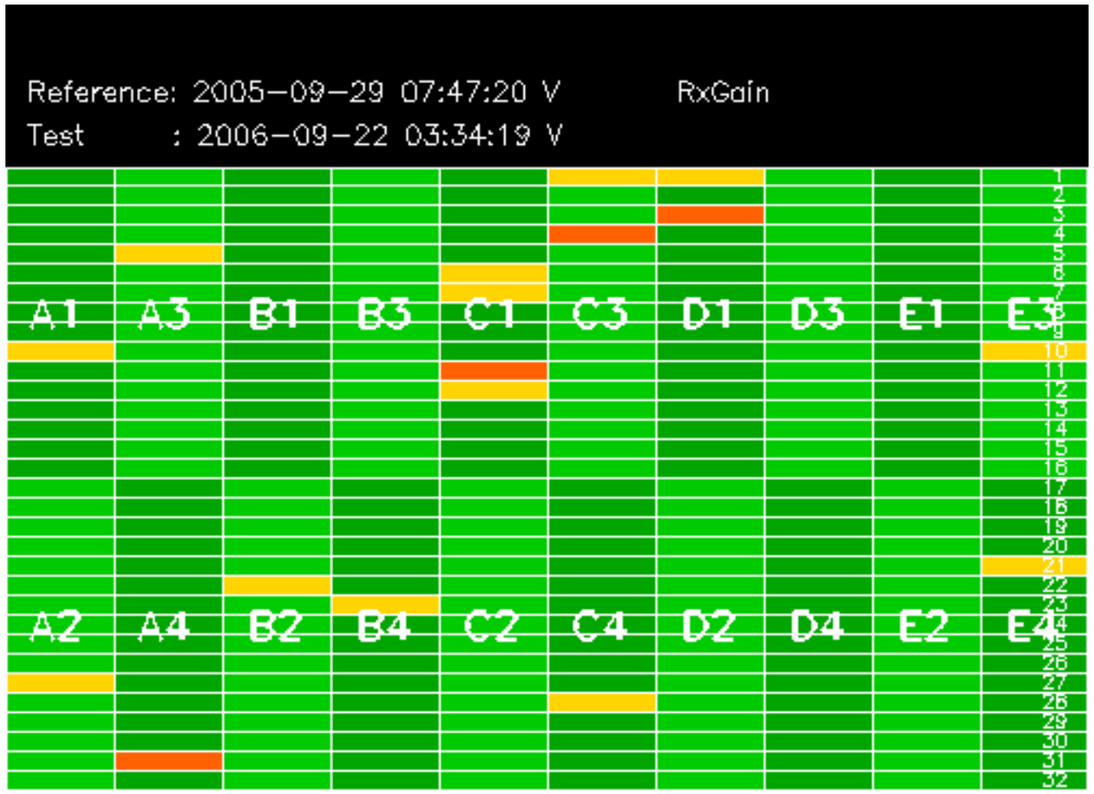
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-22 03:34:19 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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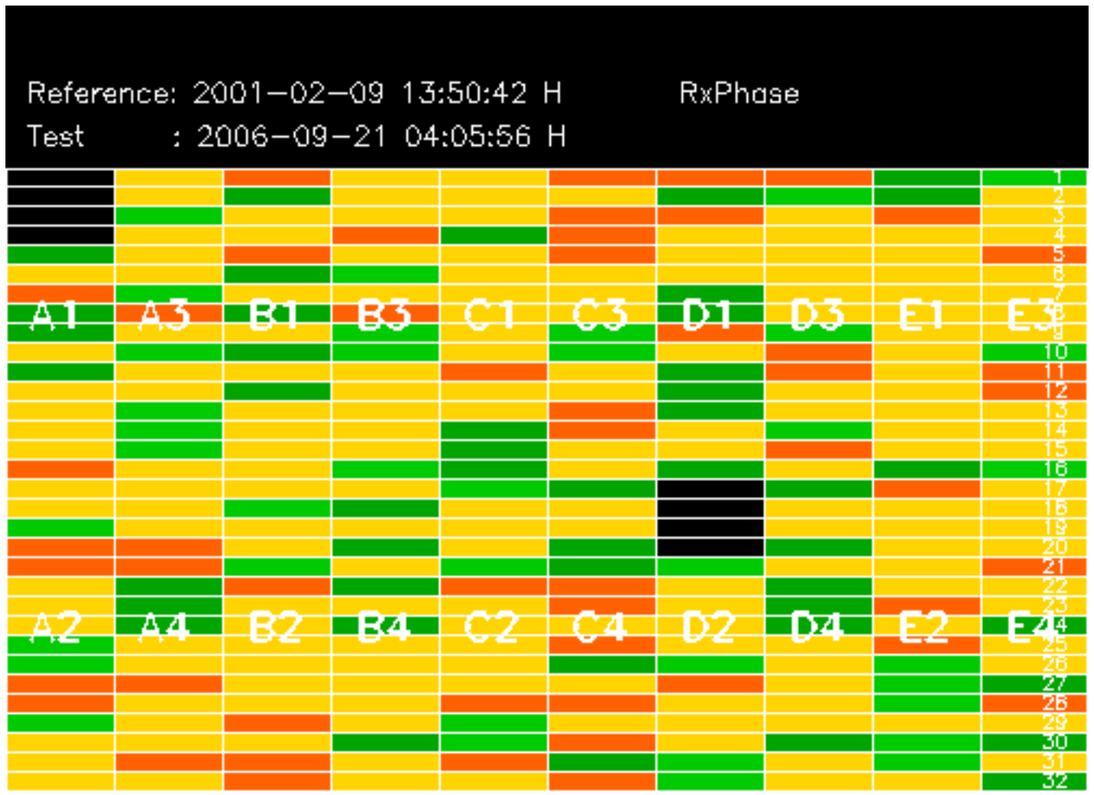
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-09-21 04:05:56 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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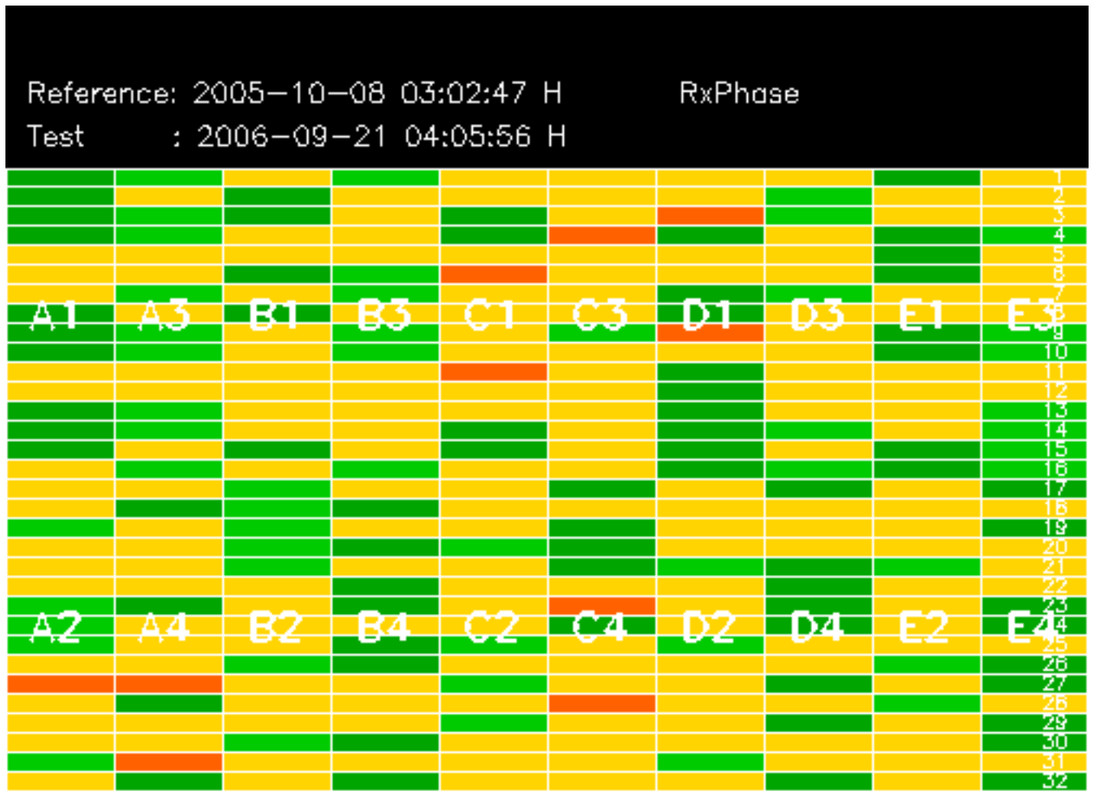
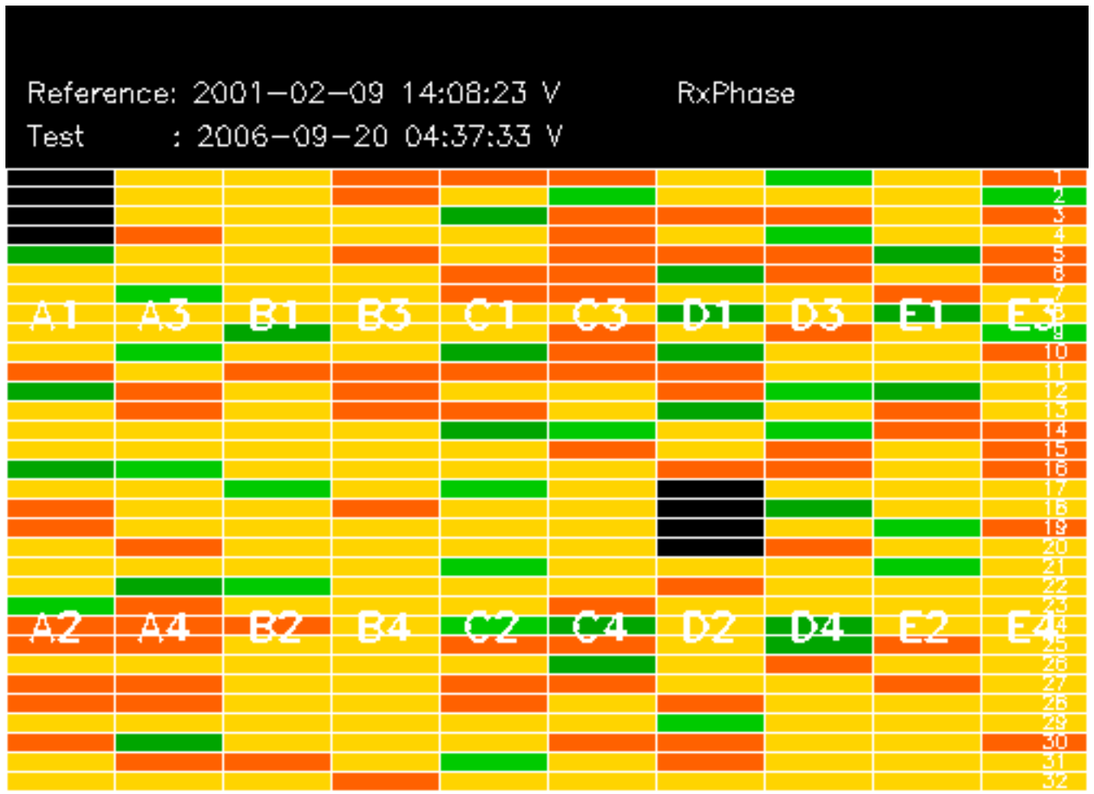
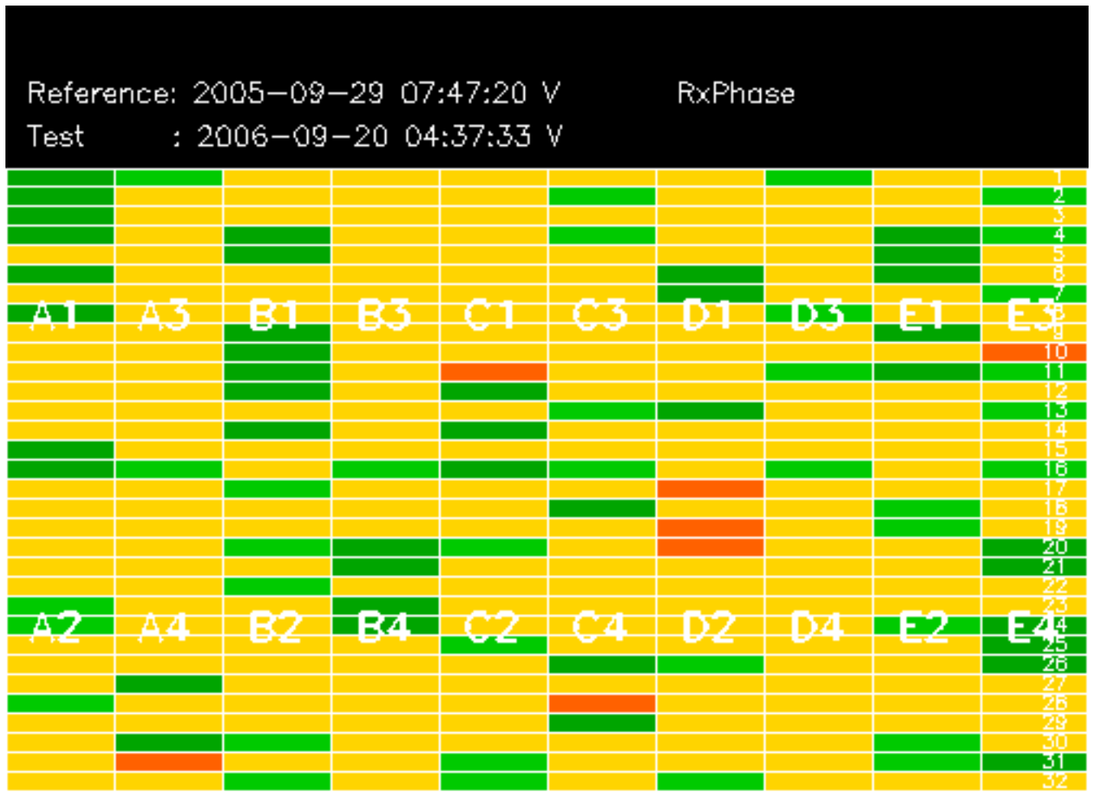
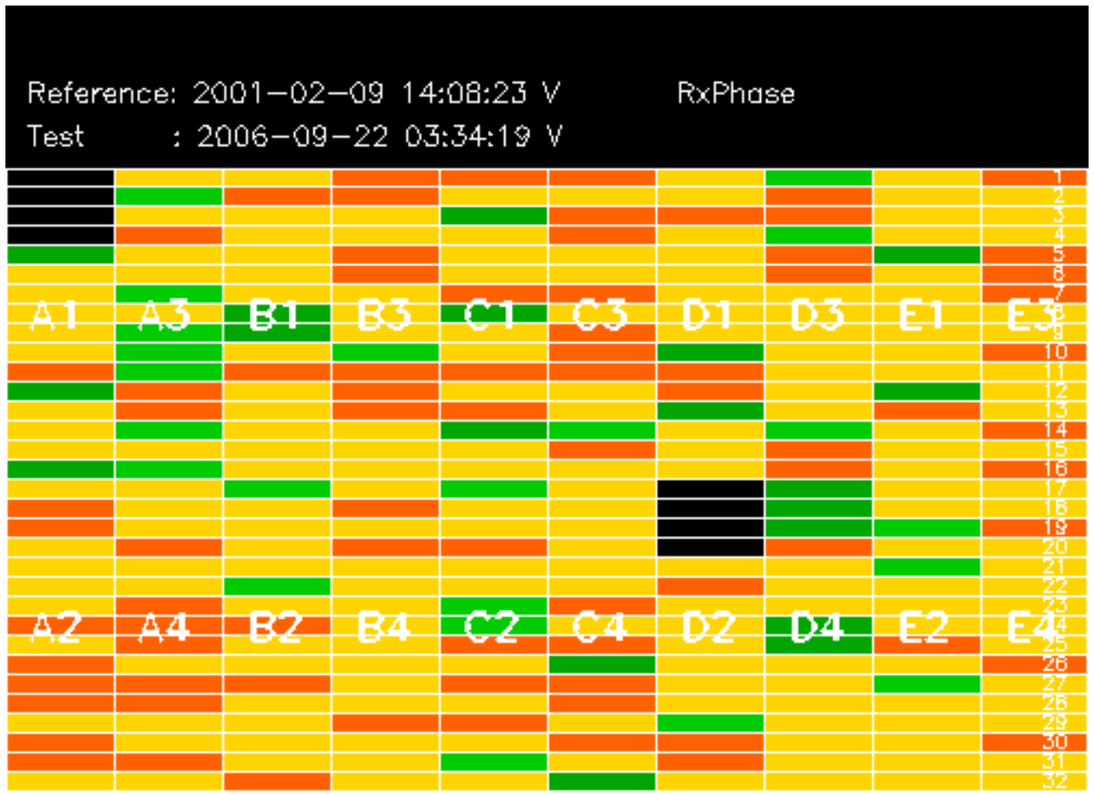
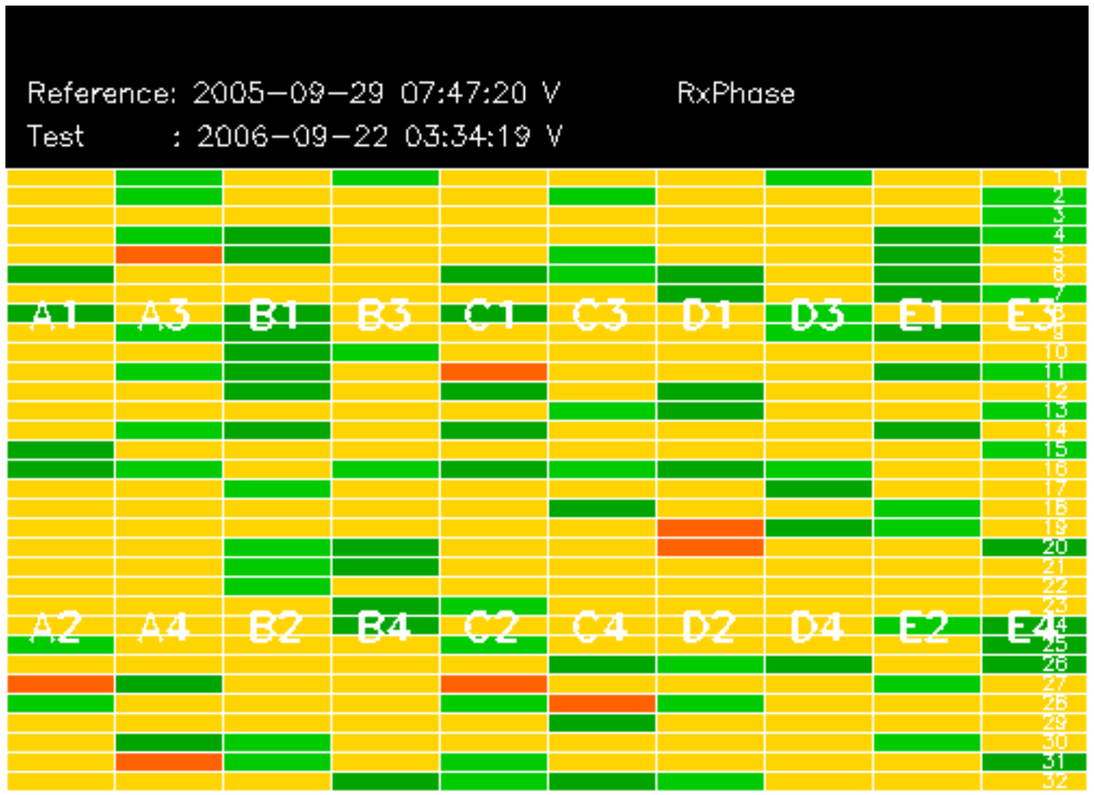
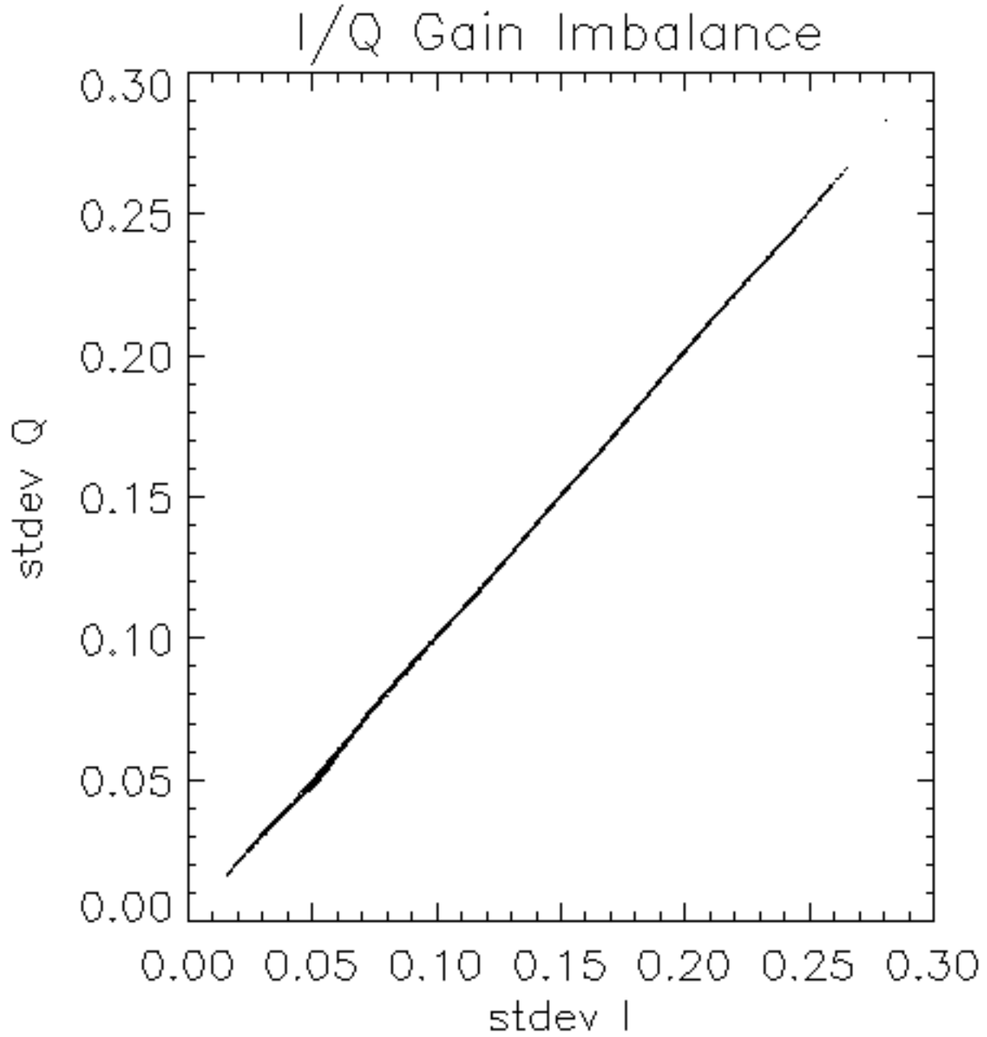

Reference: 2005-10-08 03:02:47 H
Test : 2006-09-21 04:05:56 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

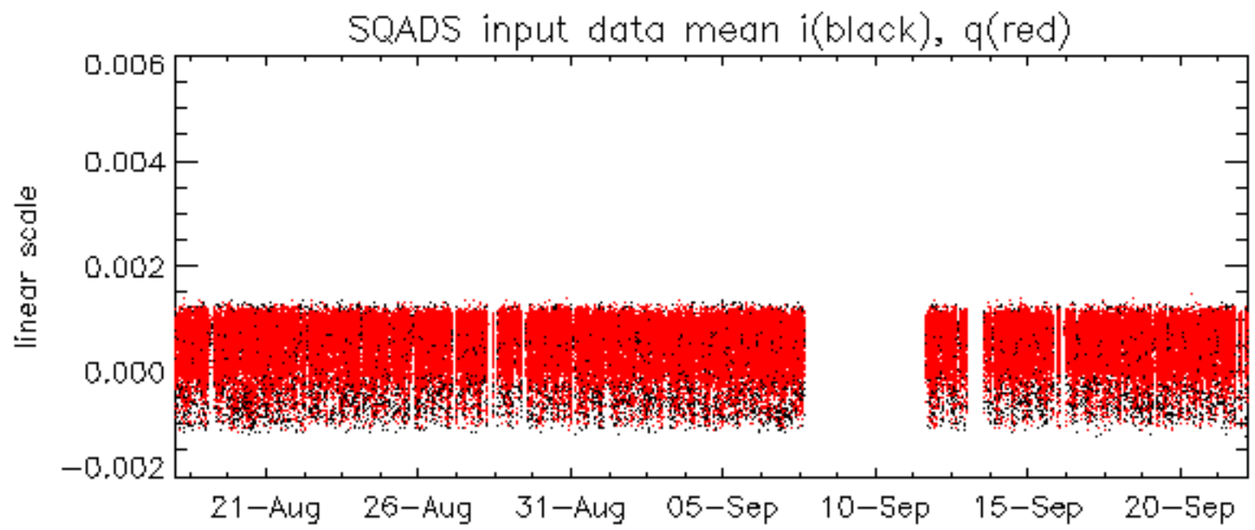

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-20 04:37:33 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

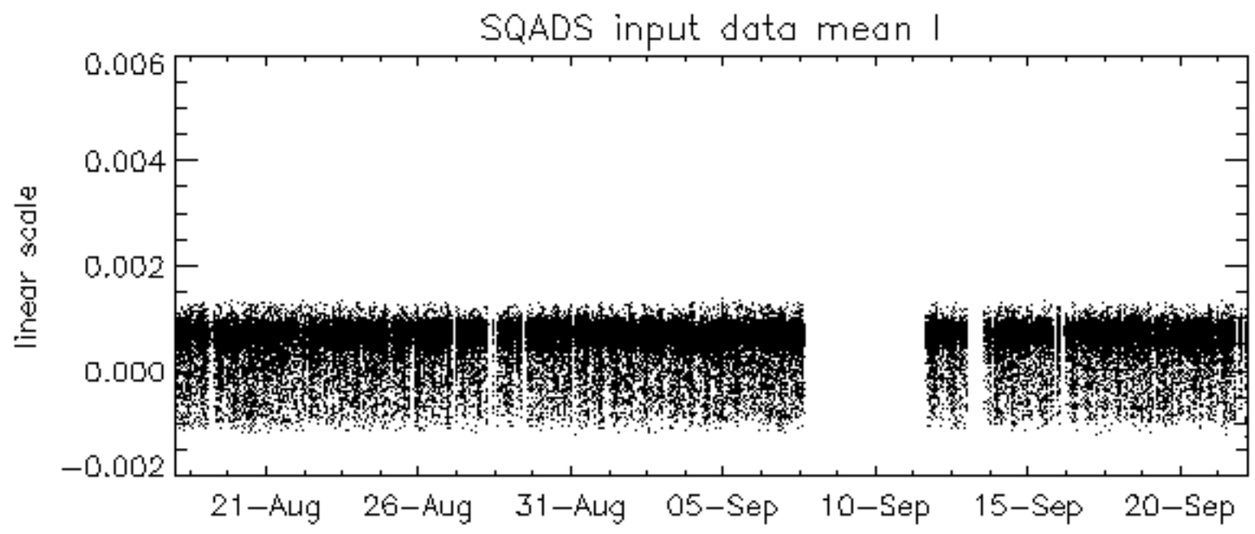

Reference: 2005-09-29 07:47:20 V
Test : 2006-09-20 04:37:33 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

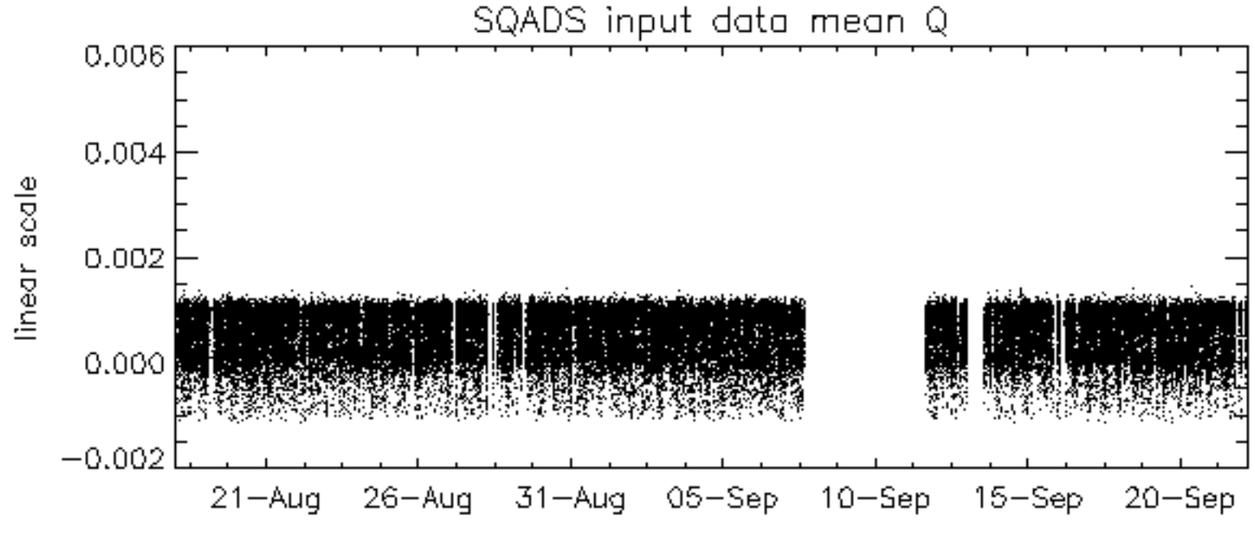

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-22 03:34:19 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

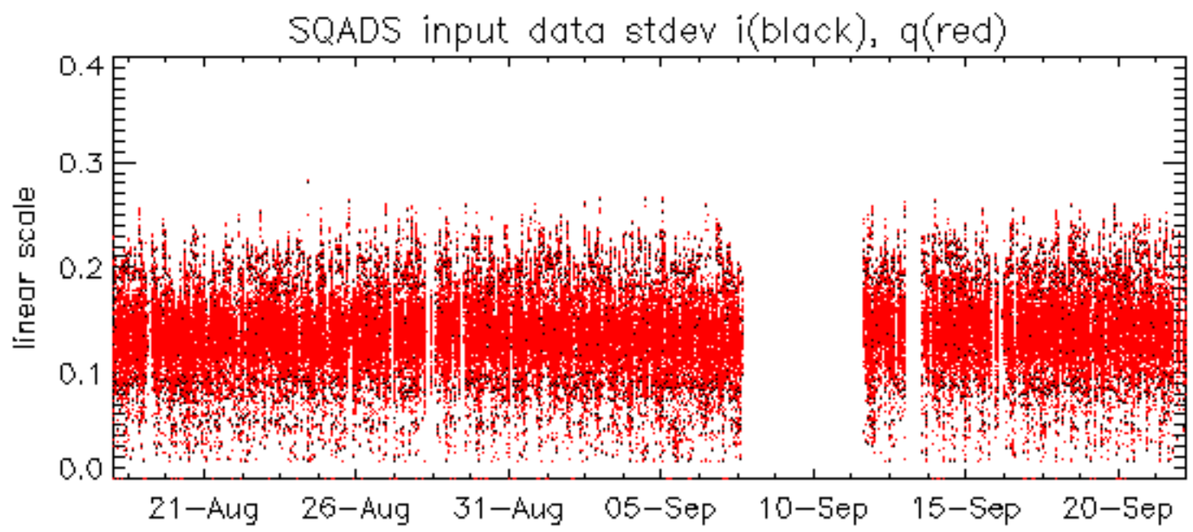

Reference: 2005-09-29 07:47:20 V
Test : 2006-09-22 03:34:19 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

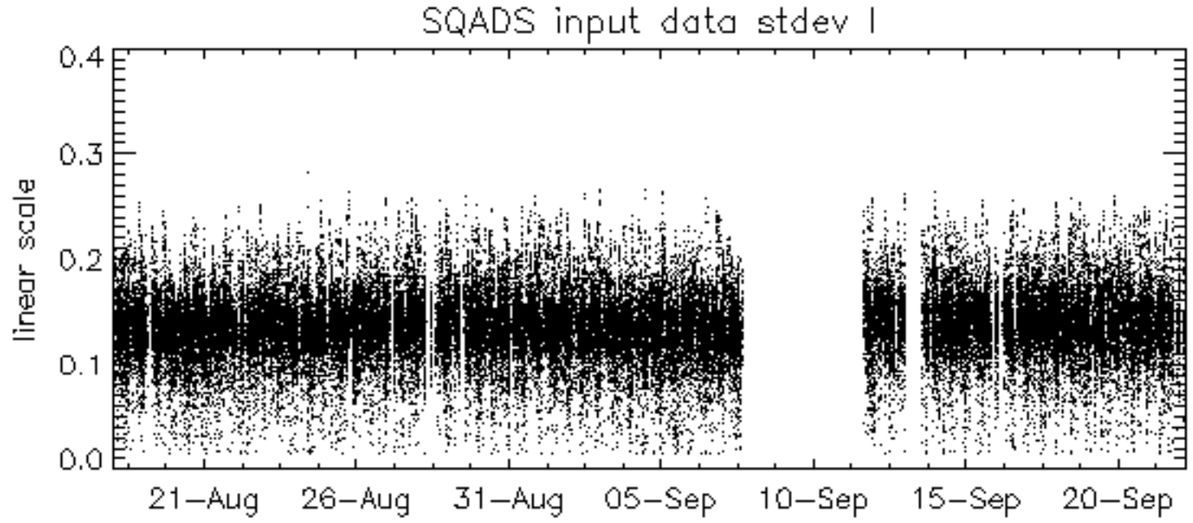

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

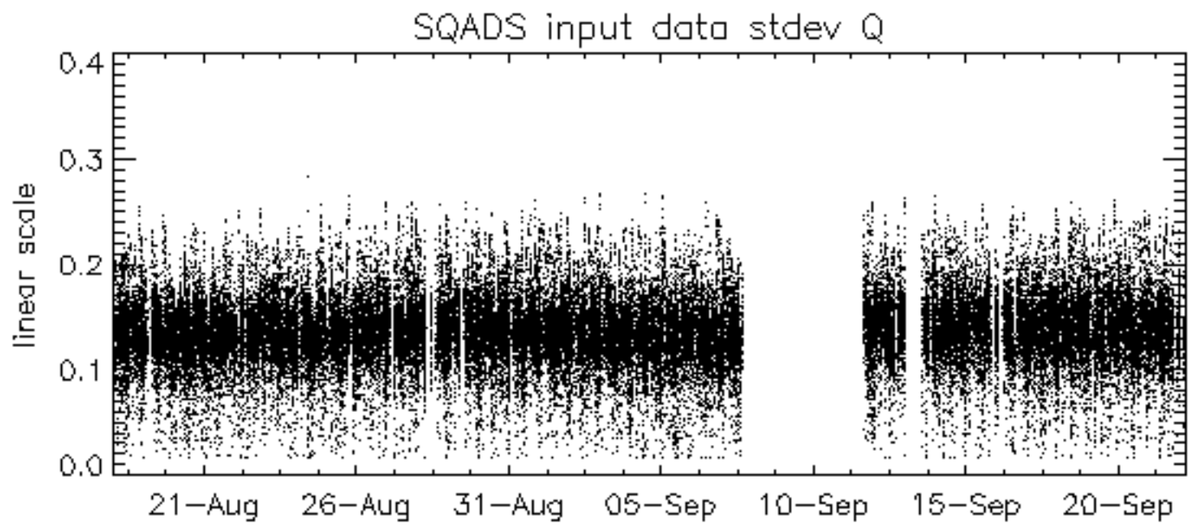

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep

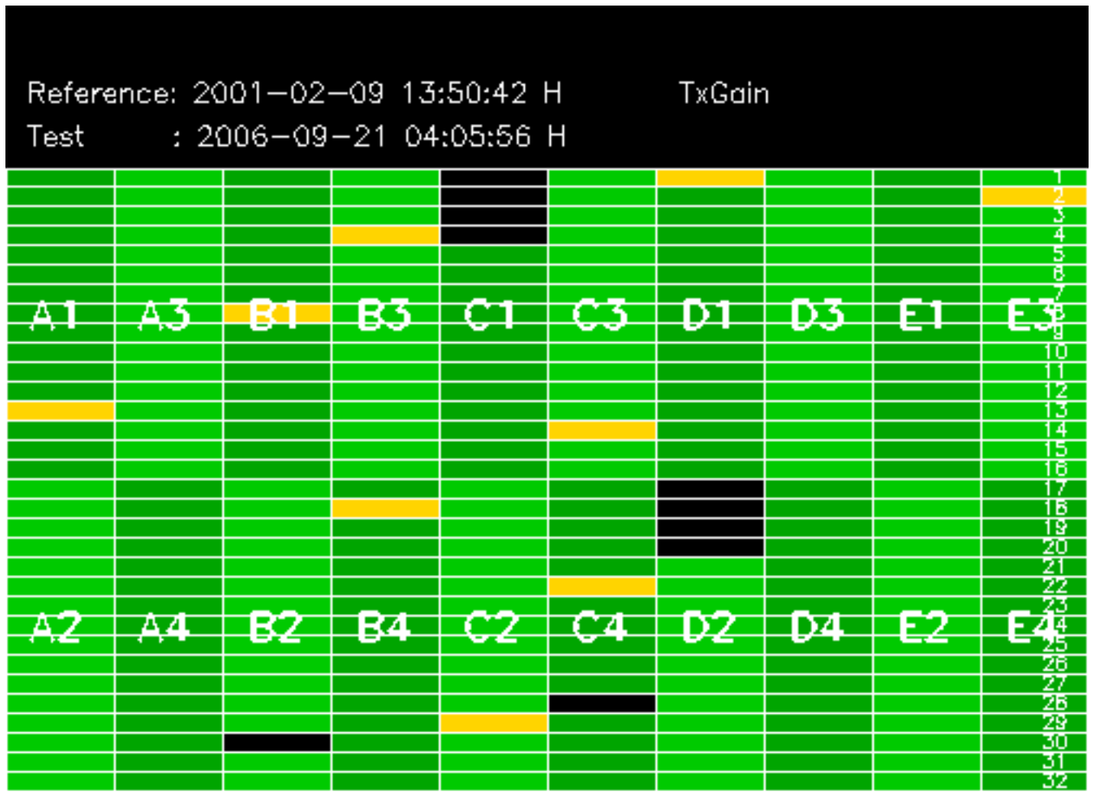

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-21 04:05:56 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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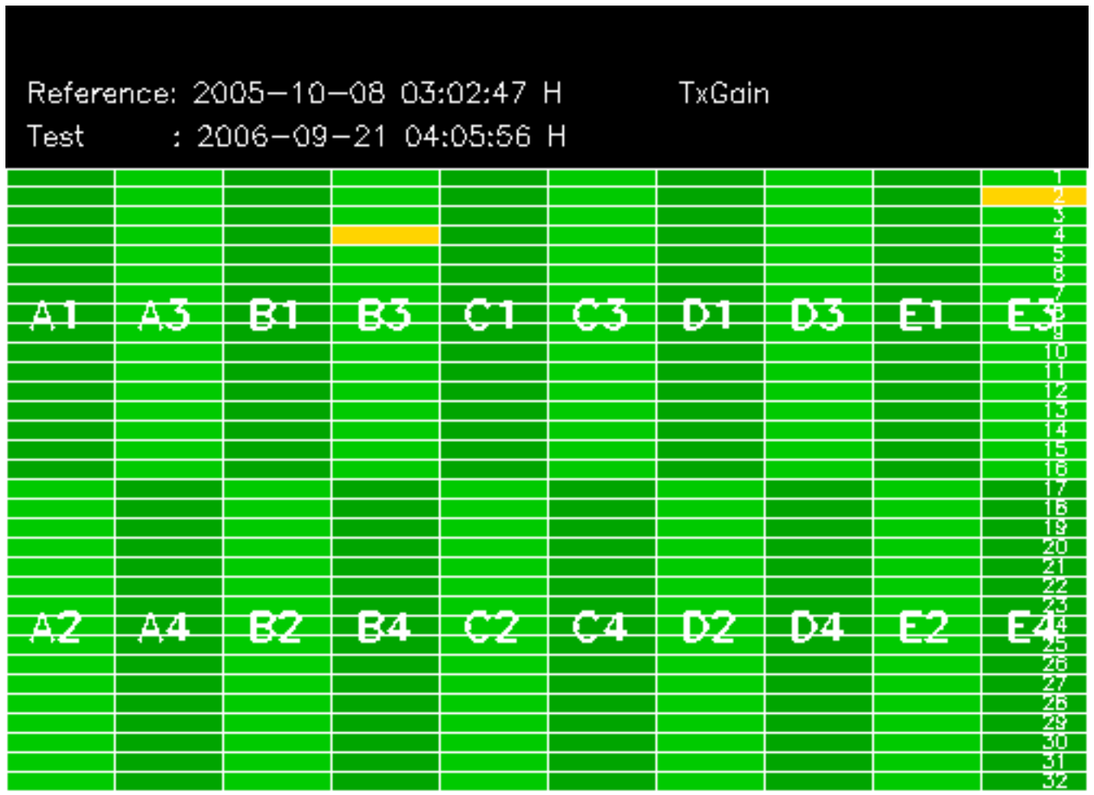
Reference: 2005-10-08 03:02:47 H
Test : 2006-09-21 04:05:56 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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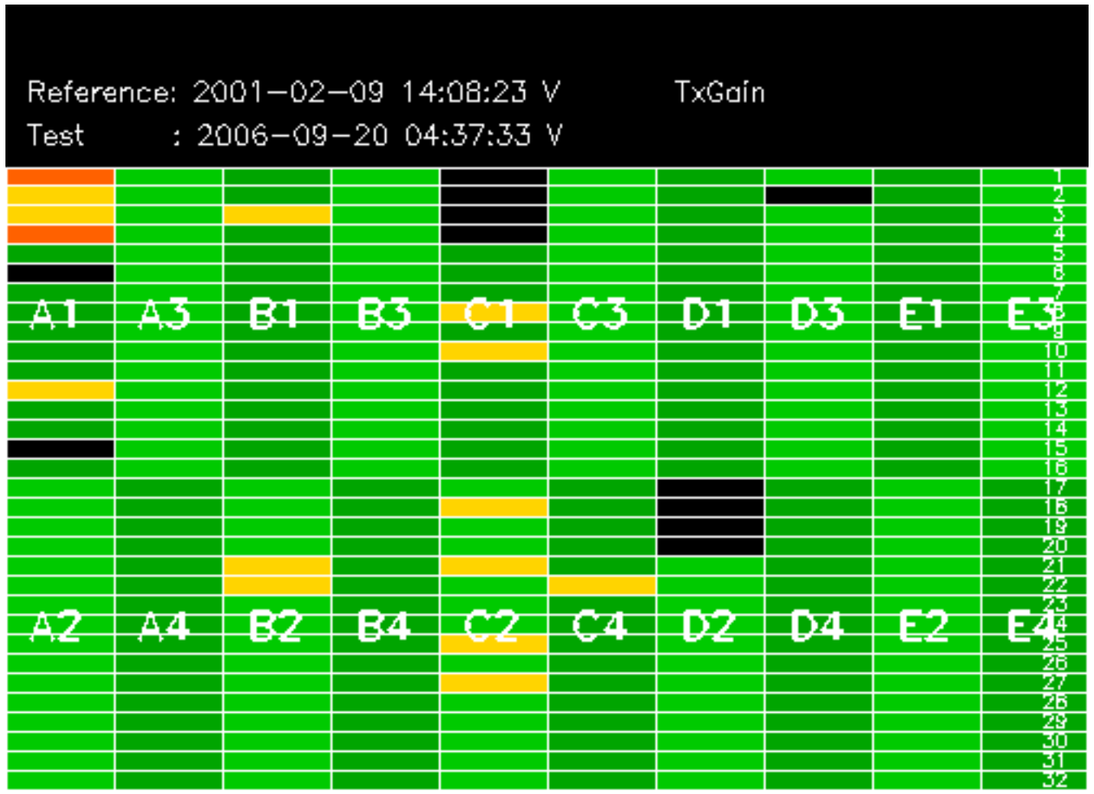
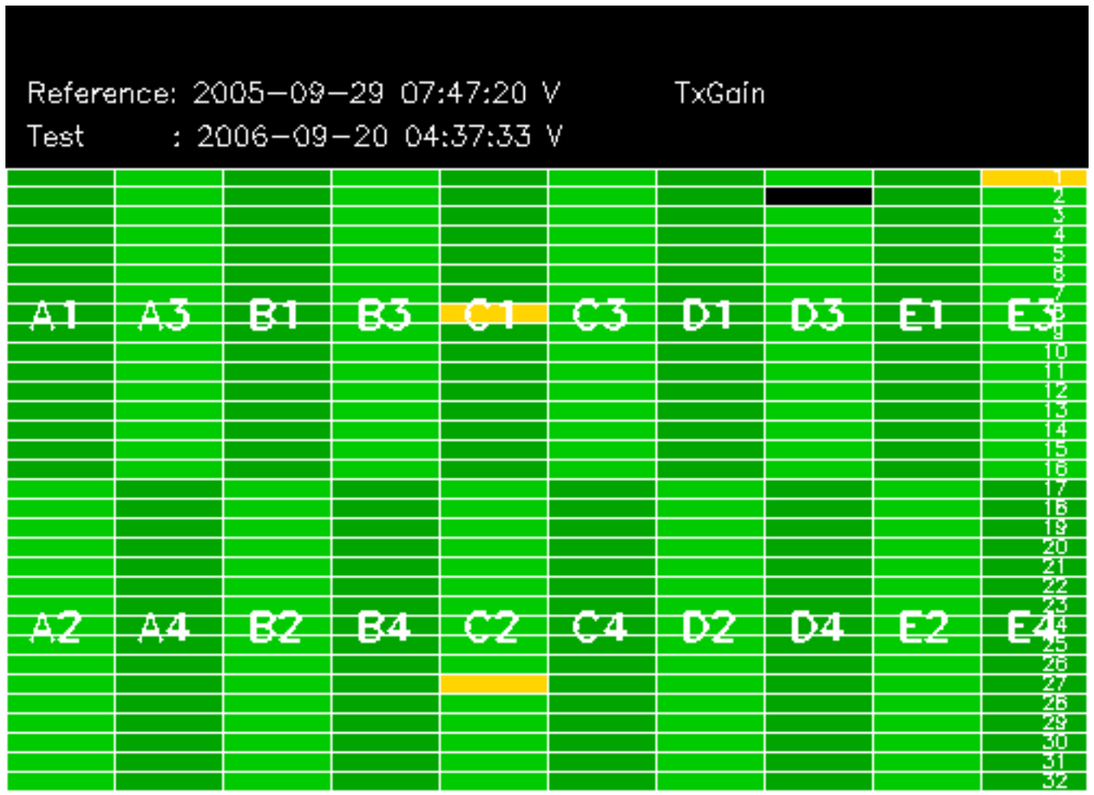

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-20 04:37:33 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-20 04:37:33 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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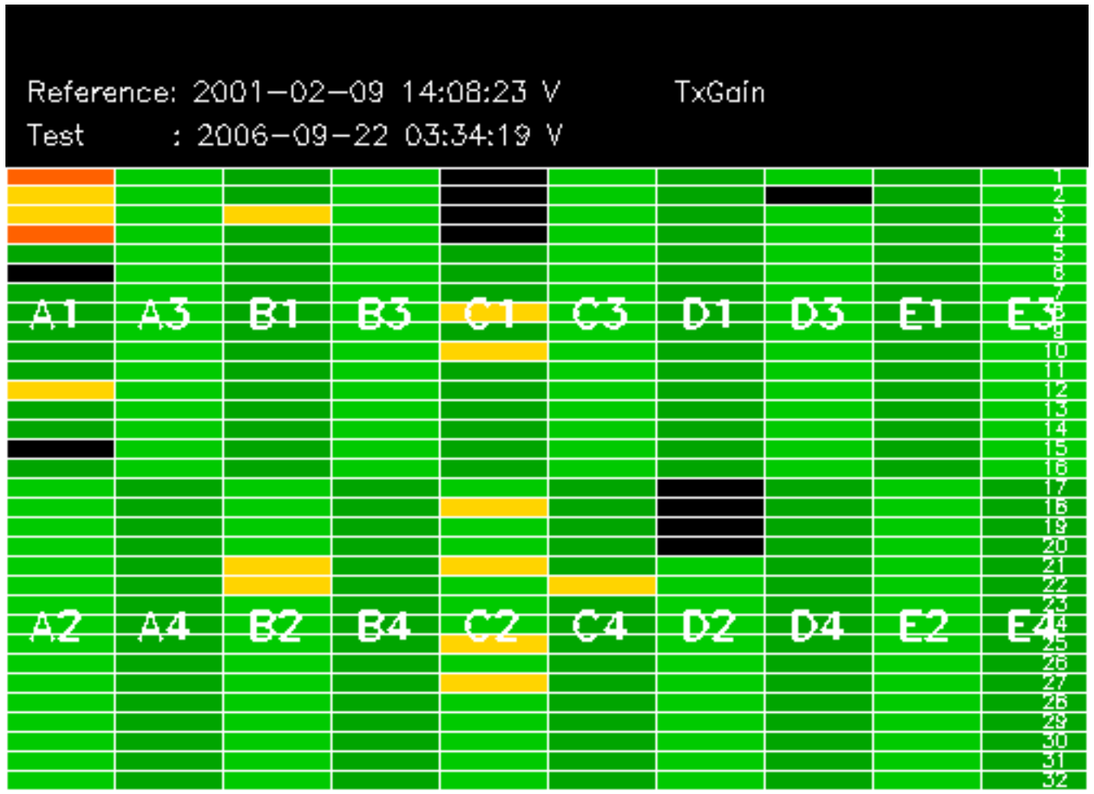
Reference: 2001-02-09 14:08:23 V
Test : 2006-09-22 03:34:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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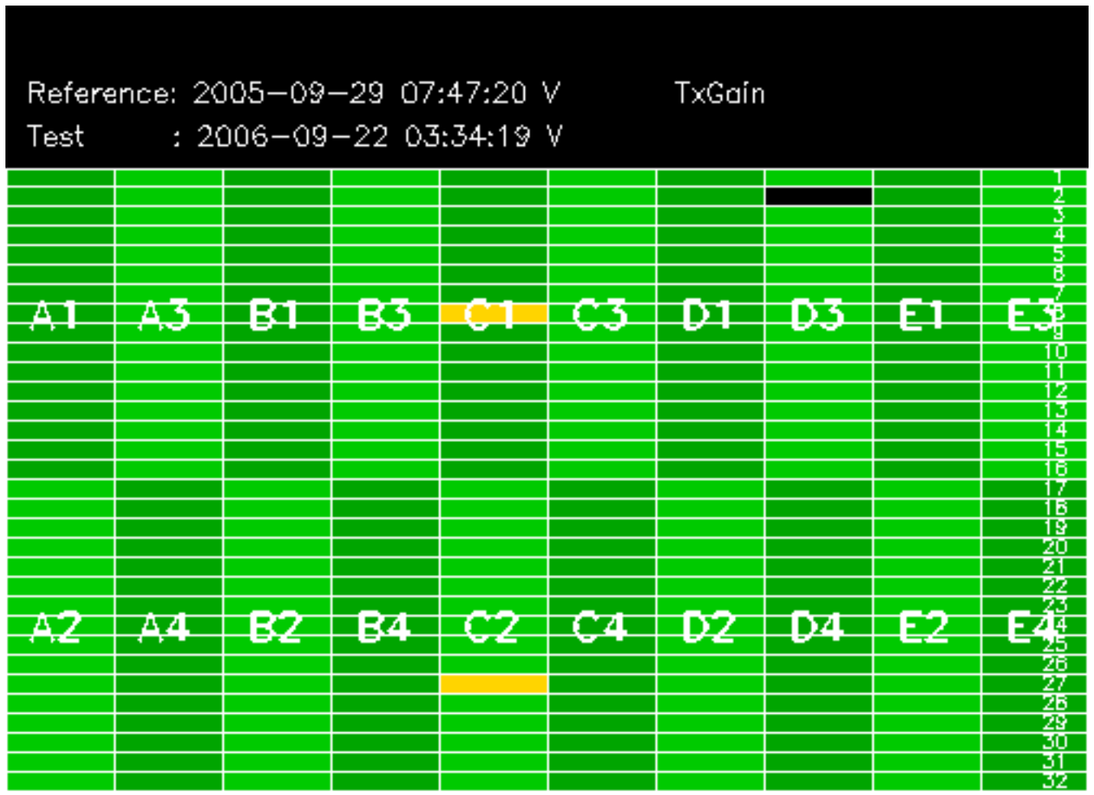
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-22 03:34:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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C4
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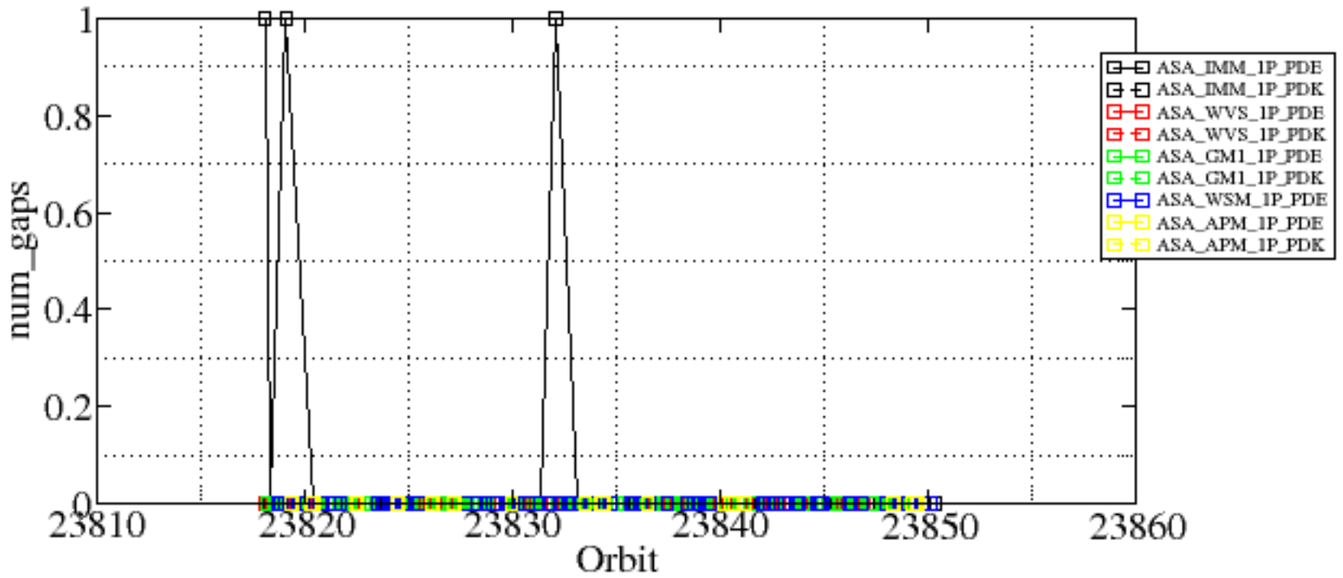
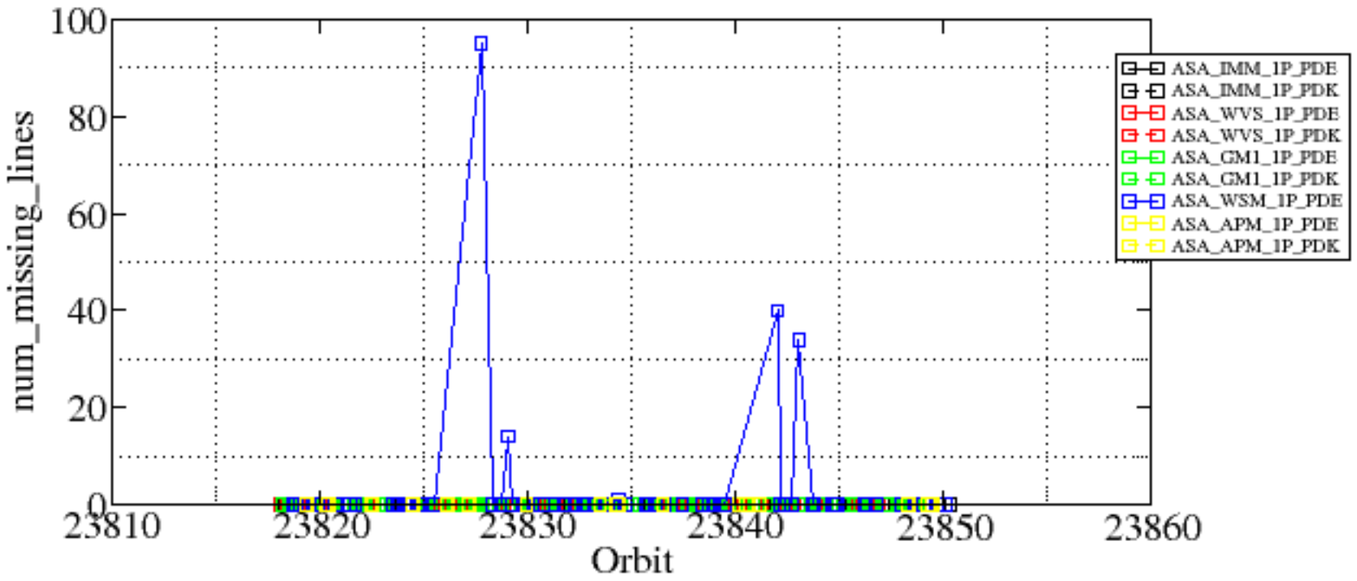
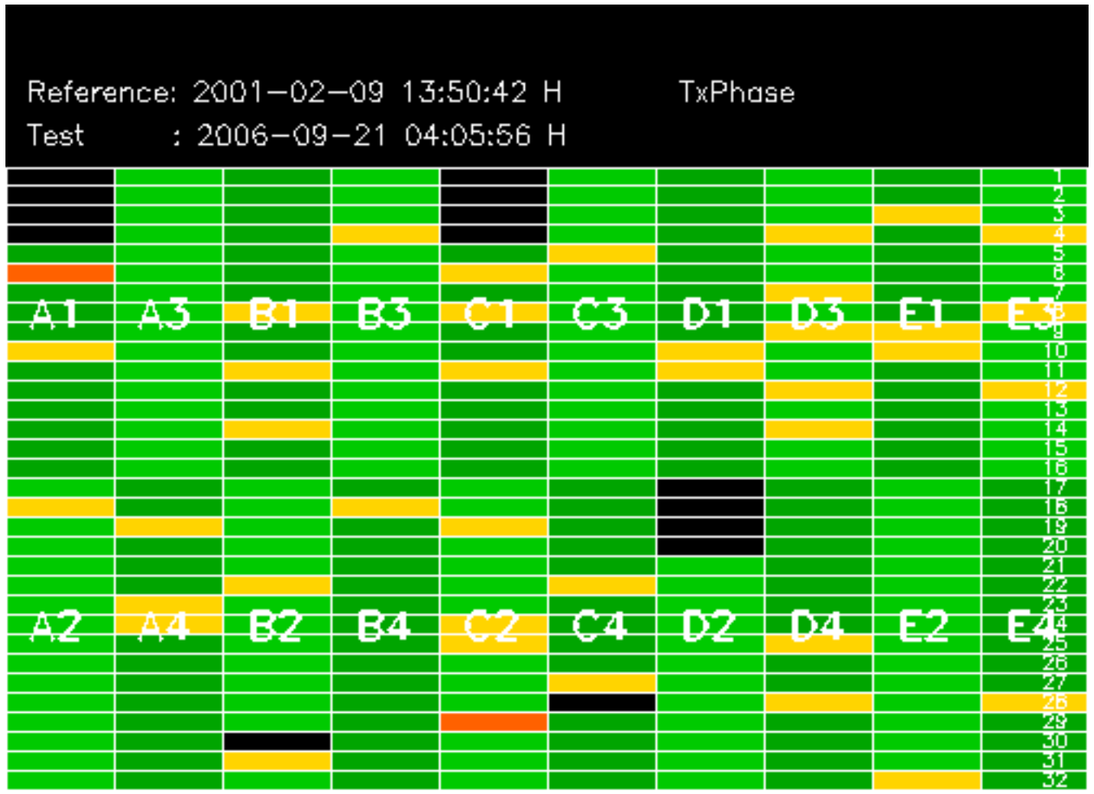
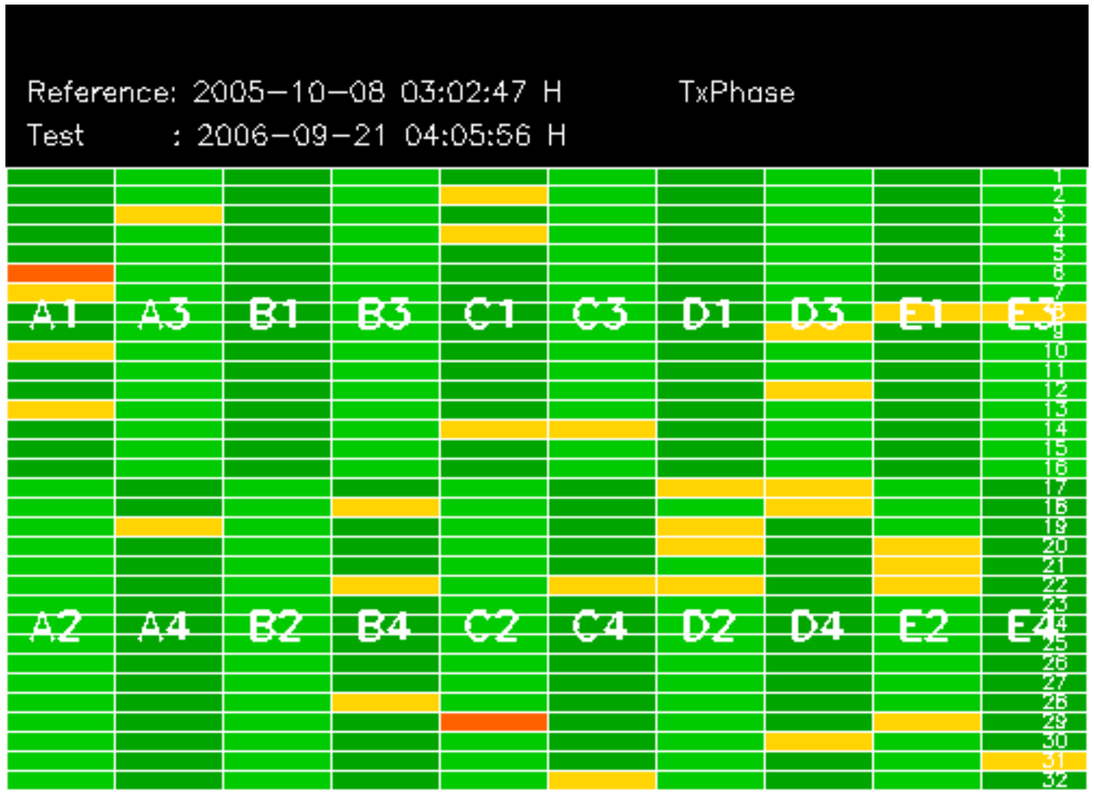
Summary of analysis for the last 3 days 2006092[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060920_001749_000001822051_00217_23818_6049.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060920_015825_000001852051_00218_23819_6068.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060920_234612_000001712051_00231_23832_6130.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060920_163137_000000672051_00226_23827_3061.N1 </td> <td>0 </td> <td>95 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060920_183929_000002982051_00228_23829_3078.N1 </td> <td>0 </td> <td>14 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060921_033637_000001462051_00233_23834_3151.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060921_162641_000001032051_00241_23842_3224.N1 </td> <td>0 </td> <td>40 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060921_180903_000000852051_00242_23843_3234.N1 </td> <td>0 </td> <td>34 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
23810
23820
23830
23840
23850
23860
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_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
100
80
60
40
20
0
23810
23820
23830
23840
23850
23860
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_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-21 04:05:56 H
TxPhase
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 : 2006-09-21 04:05:56 H
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
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8
9
10
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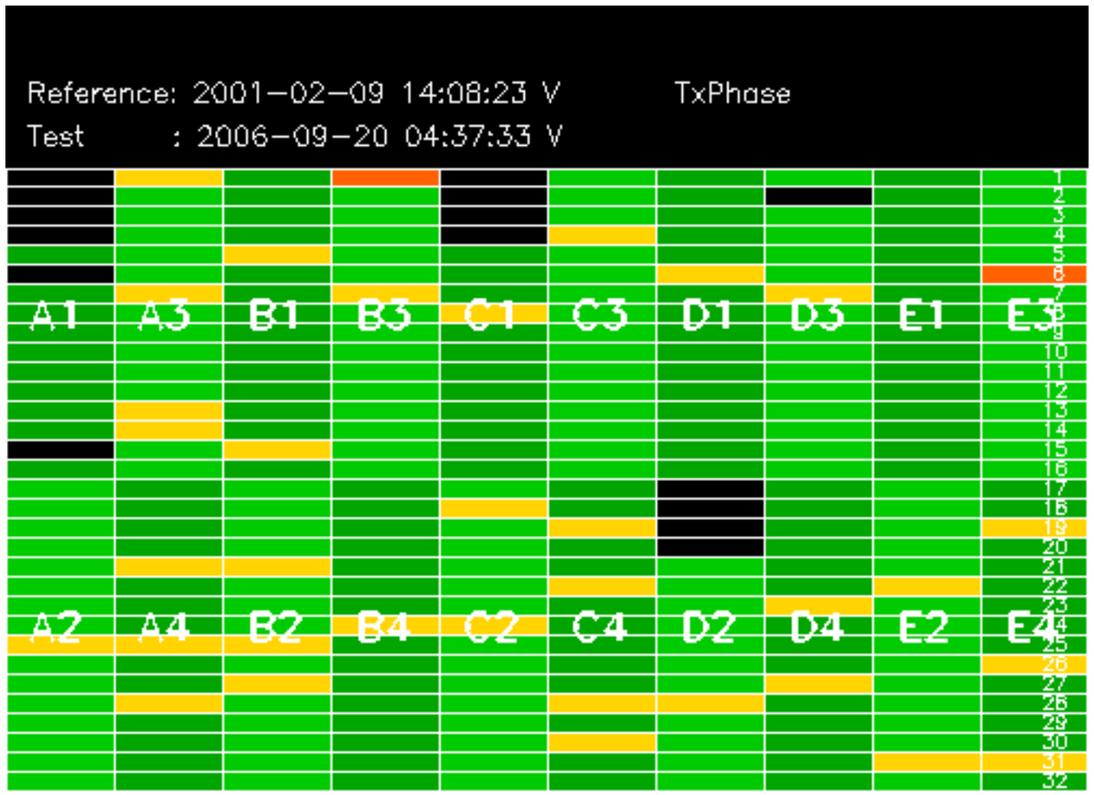
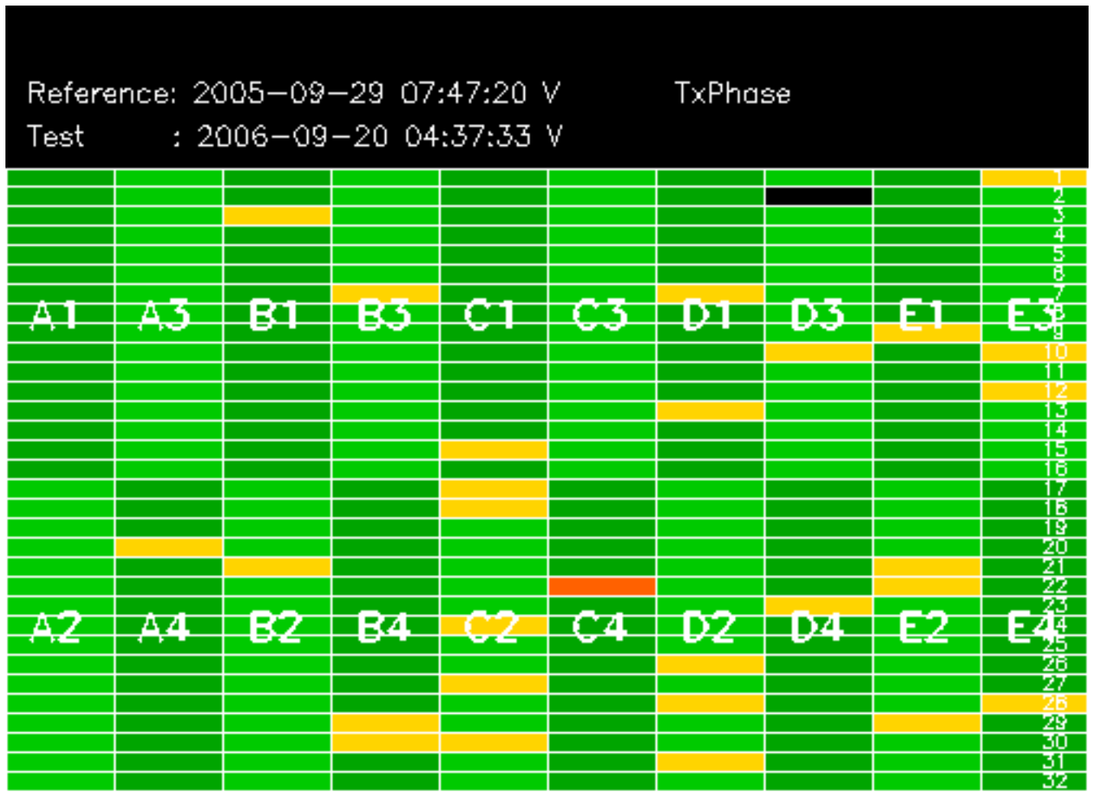
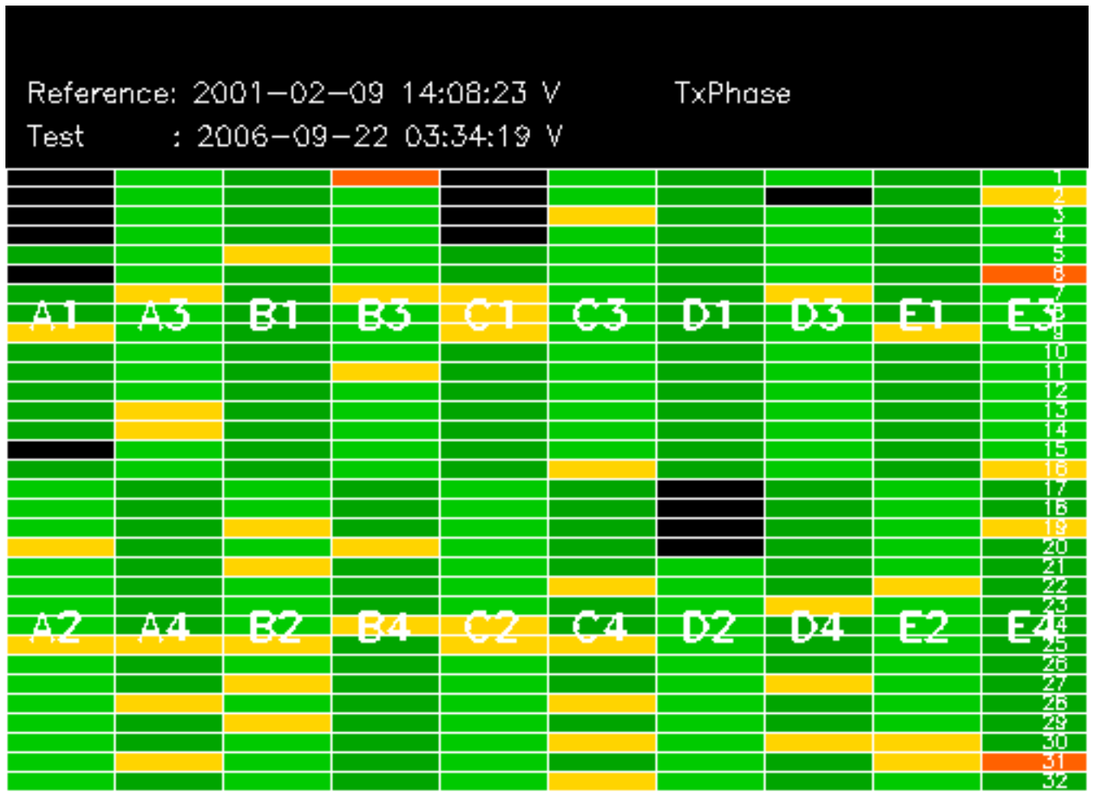
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-09-20 04:37:33 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 : 2006-09-20 04:37:33 V
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 14:08:23 V
Test : 2006-09-22 03:34:19 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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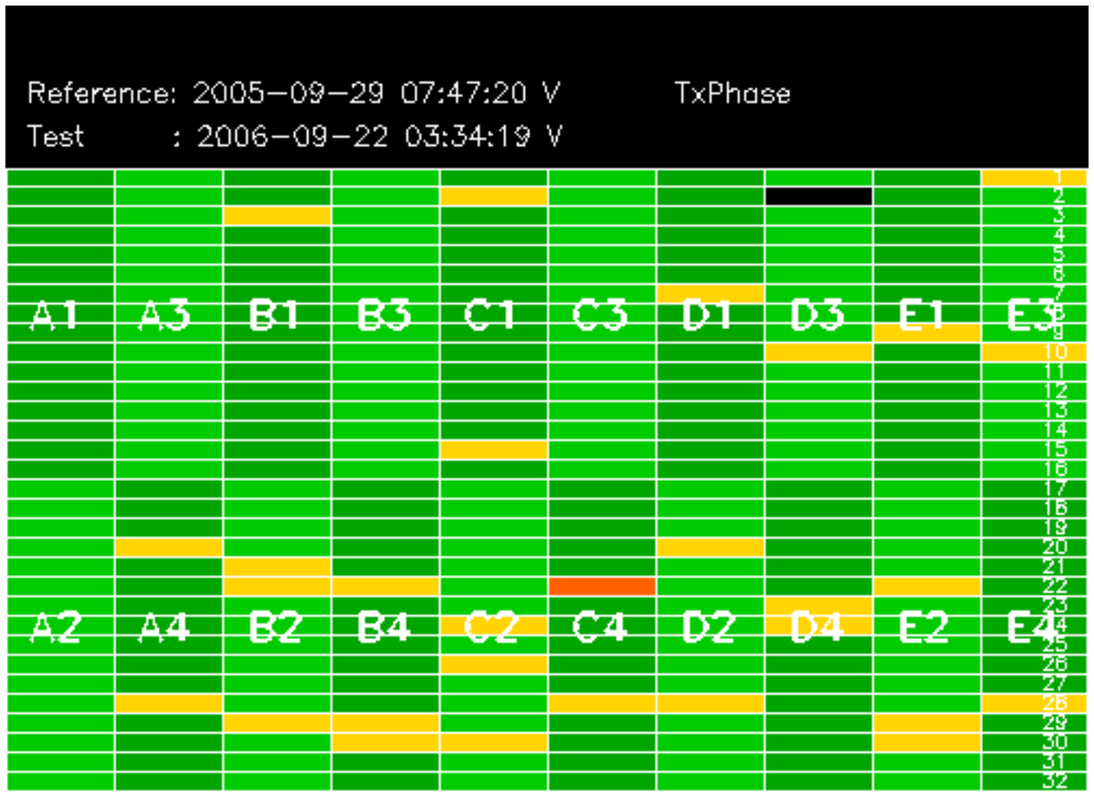
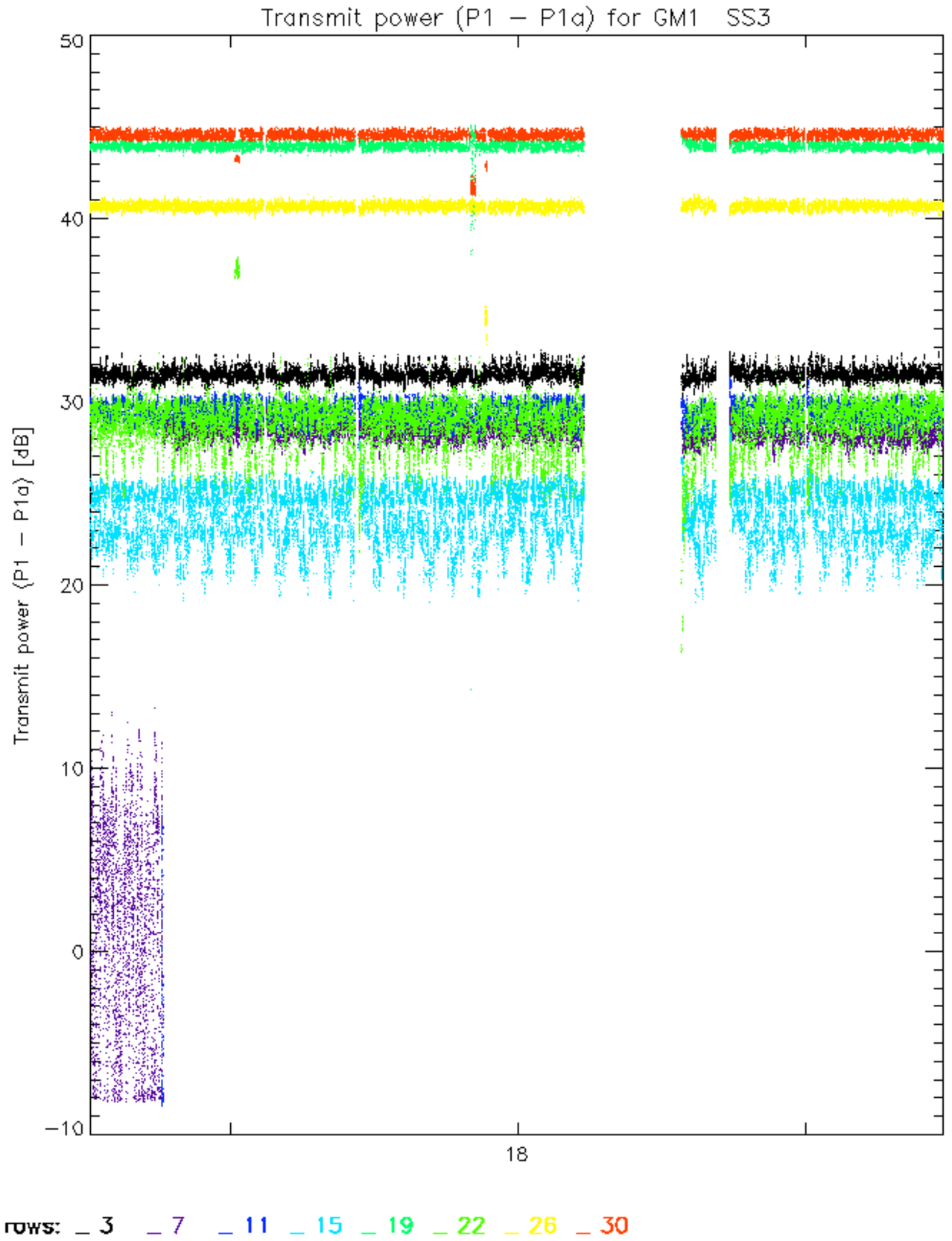
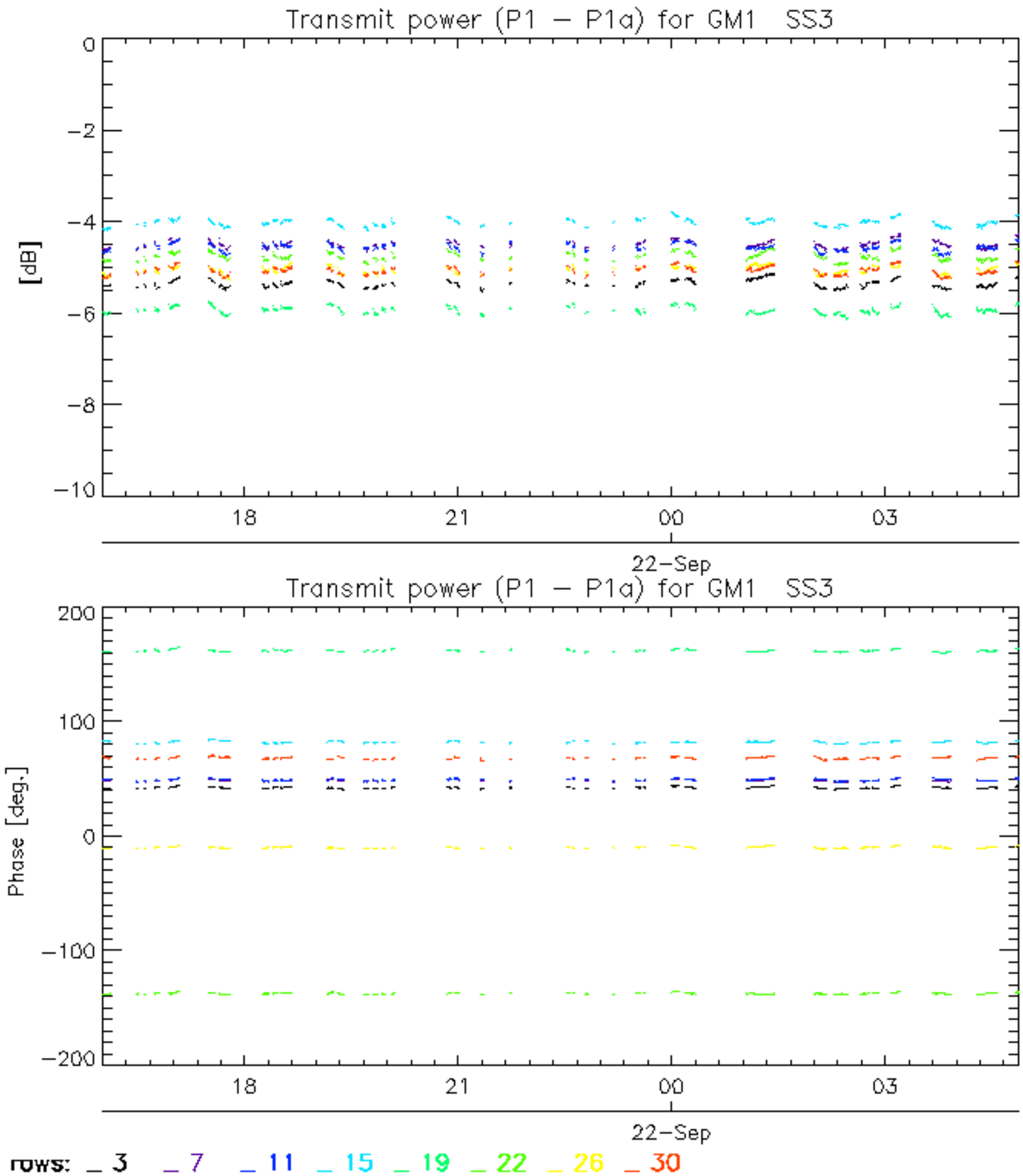
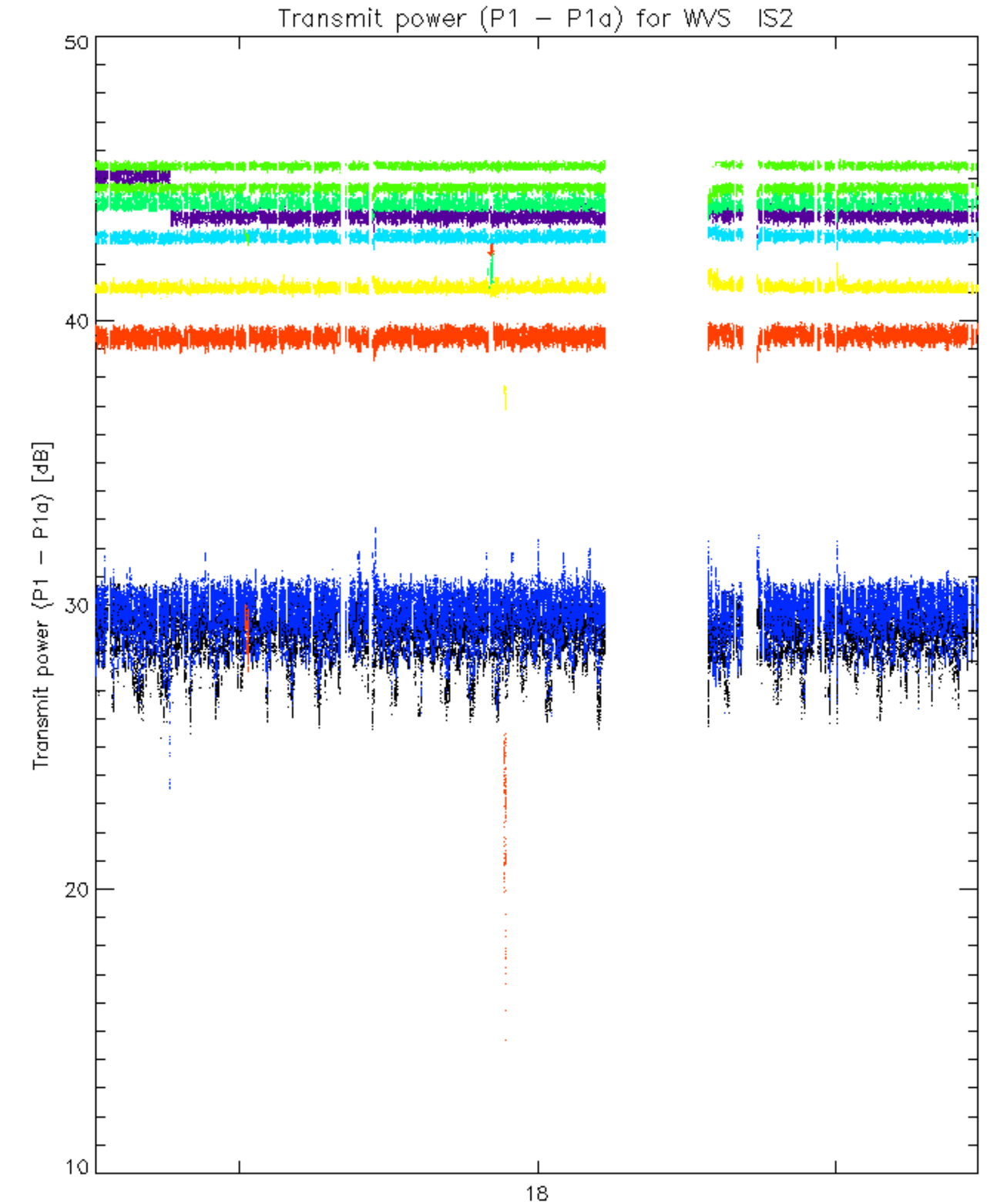
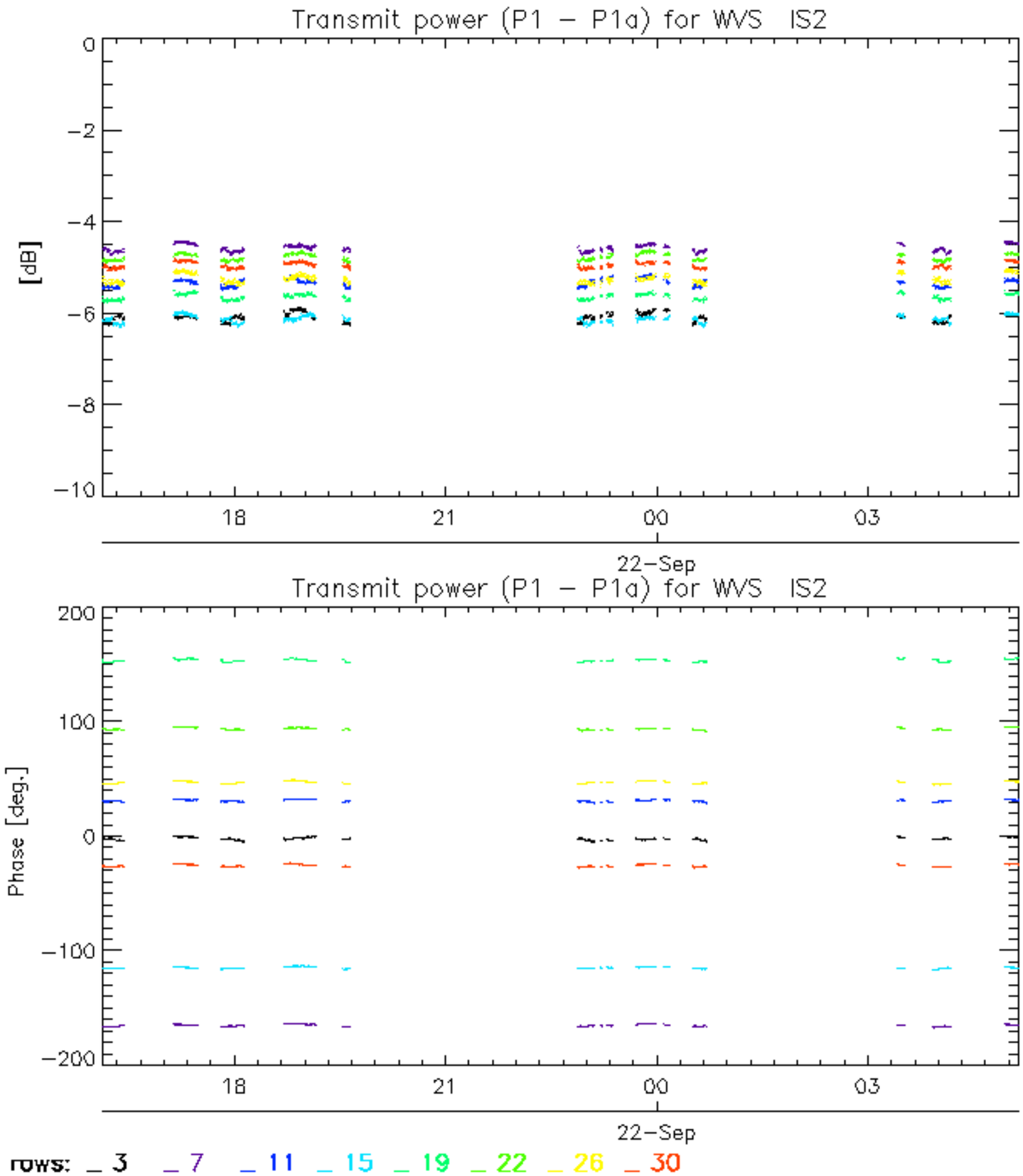
29
30
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-22 03:34:19 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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


Transmit power (P1 – P1a) for WVS IS2
50
40
30
20
10
18
Transmit power (P1 – P1a) [dB]
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
22−Sep
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
22−Sep
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.