PRELIMINARY REPORT OF 061127

last update on Mon Nov 27 11:00:01 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 2006-11-26 00:00:00 to 2006-11-27 11:00:01

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	30	51	3	1	20
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	30	51	3	1	20
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	30	51	3	1	20
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	30	51	3	1	20

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	45	58	25	18	56
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	45	58	25	18	56
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	45	58	25	18	56
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	58	25	18	56

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	20061127 054051
H	20061126 061228

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	-3.960222	0.008438	-0.024497
7	P1	-3.153105	0.023291	-0.008149
11	P1	-4.132173	0.024684	0.012244
15	P1	-6.296286	0.014283	-0.049571
19	P1	-3.626841	0.062277	0.047587
22	P1	-4.672424	0.127383	0.138643
26	P1	-3.971472	0.084944	0.129998
30	P1	-5.895097	0.163406	0.140229
3	P1	-16.510370	0.235075	-0.133641
7	P1	-17.281994	0.173457	-0.023579
11	P1	-17.170973	0.454666	-0.118675
15	P1	-13.068528	0.131638	-0.012900
19	P1	-14.941452	0.367174	0.073600
22	P1	-15.853675	0.522635	0.099034
26	P1	-15.056808	0.197959	0.060004
30	P1	-17.438856	0.608946	-0.259641

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.844843	0.090886	0.033237
7	P2	-21.732189	0.093998	-0.009087
11	P2	-15.652861	0.102531	0.020369
15	P2	-7.124471	0.106277	0.000623
19	P2	-9.191758	0.104063	0.008735
22	P2	-18.233477	0.096120	-0.022447
26	P2	-16.551149	0.110355	-0.040598
30	P2	-19.477297	0.088432	0.005057

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.241189	0.008354	-0.027751
7	P3	-8.241189	0.008354	-0.027751
11	P3	-8.241189	0.008354	-0.027751
15	P3	-8.241189	0.008354	-0.027751
19	P3	-8.241189	0.008354	-0.027751
22	P3	-8.241189	0.008354	-0.027751
26	P3	-8.241235	0.008366	-0.027809
30	P3	-8.241235	0.008366	-0.027809

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	-3.912660	0.056628	0.007064
7	P1	-2.524076	0.334281	0.117229
11	P1	-2.862337	0.051180	0.041060
15	P1	-3.682456	0.057959	-0.014749
19	P1	-3.546042	0.114290	0.102371
22	P1	-5.056053	0.089647	0.127532
26	P1	-6.032484	0.186653	0.143163
30	P1	-5.339374	0.113789	0.075679
3	P1	-11.724913	0.138762	-0.021839
7	P1	-10.065041	0.439708	0.081744
11	P1	-10.330973	0.160668	0.044290
15	P1	-10.754377	0.217682	0.098327
19	P1	-15.802630	2.168092	0.566413
22	P1	-21.419041	1.588612	-0.428182
26	P1	-16.047297	0.397560	-0.075785
30	P1	-17.899500	0.416201	0.020945

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.457390	0.133074	-0.038497
7	P2	-22.212421	0.475754	-0.100987
11	P2	-10.937675	0.140564	-0.038930
15	P2	-4.969698	0.174383	-0.041852
19	P2	-6.951808	0.205898	-0.027550
22	P2	-8.262834	0.213097	0.011199
26	P2	-24.310610	0.356739	-0.113138
30	P2	-21.942959	0.227013	-0.029001

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.087635	0.003294	-0.029121
7	P3	-8.087617	0.003280	-0.029025
11	P3	-8.087681	0.003289	-0.029327
15	P3	-8.087596	0.003287	-0.029157
19	P3	-8.087635	0.003291	-0.029249
22	P3	-8.087540	0.003289	-0.029402
26	P3	-8.087680	0.003287	-0.029461
30	P3	-8.087769	0.003291	-0.029146

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	0.000544149
	stdev	1.79421e-07
MEAN Q	mean	0.000520456
	stdev	2.20907e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136096
	stdev	0.00111227
STDEV Q	mean	0.136456
	stdev	0.00112924

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006112[567]
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_1PNPDE20061126_004059_000000622053_00174_24777_9130.N1	1	0
ASA_IMM_1PNPDK20061126_083104_000000352053_00179_24782_4085.N1	0	24
ASA_WSM_1PNPDE20061125_112341_000001162053_00166_24769_8610.N1	0	14
ASA_WSM_1PNPDE20061125_144649_000000672053_00168_24771_8672.N1	0	34
ASA_WSM_1PNPDE20061125_144649_000004462053_00168_24771_8706.N1	0	34
ASA_WSM_1PNPDE20061126_183459_000000862053_00185_24788_9879.N1	0	39

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

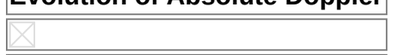
Evolution of unbiased Doppler error (Real - Expected)

Acsending

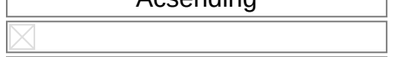
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



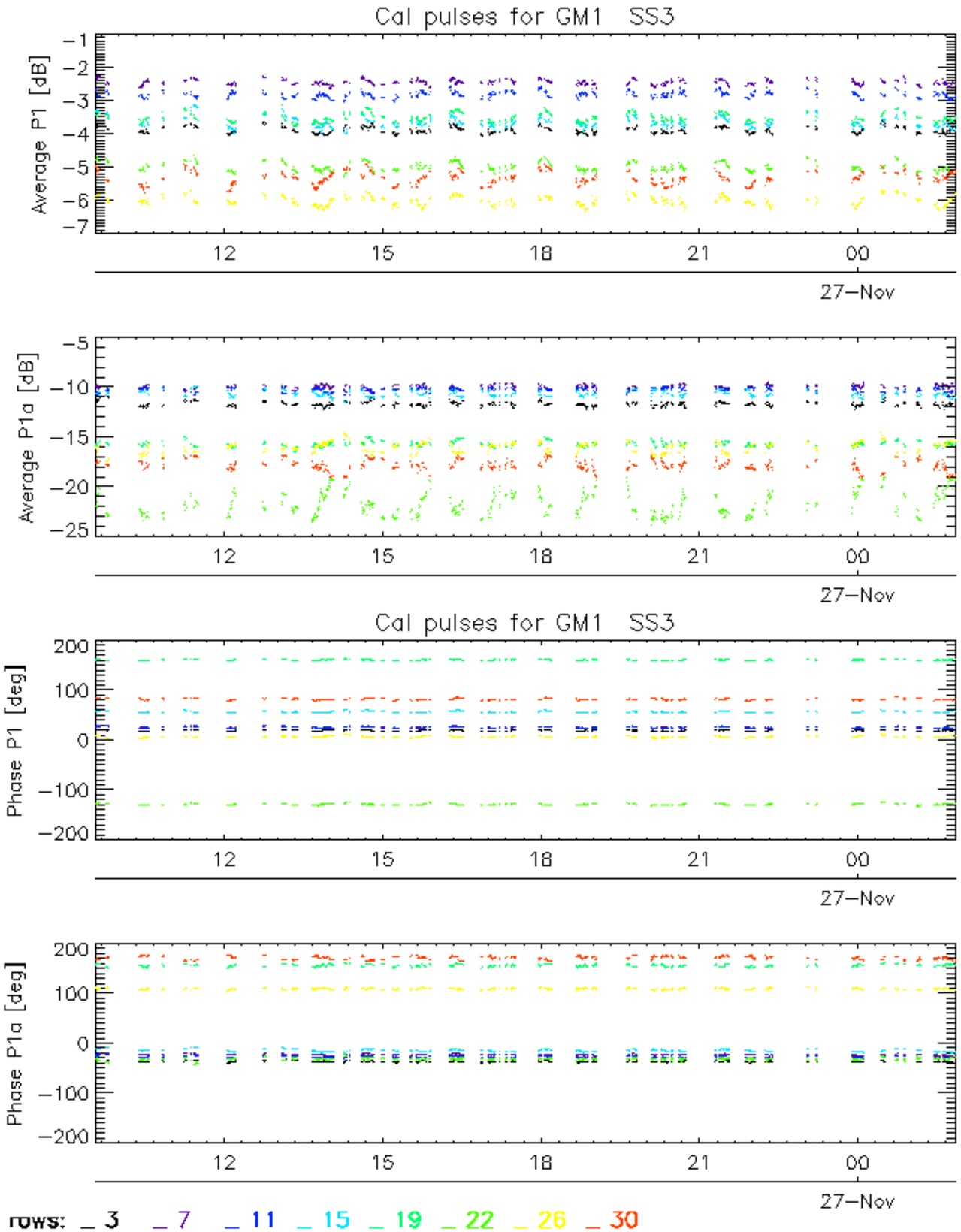
Acsending

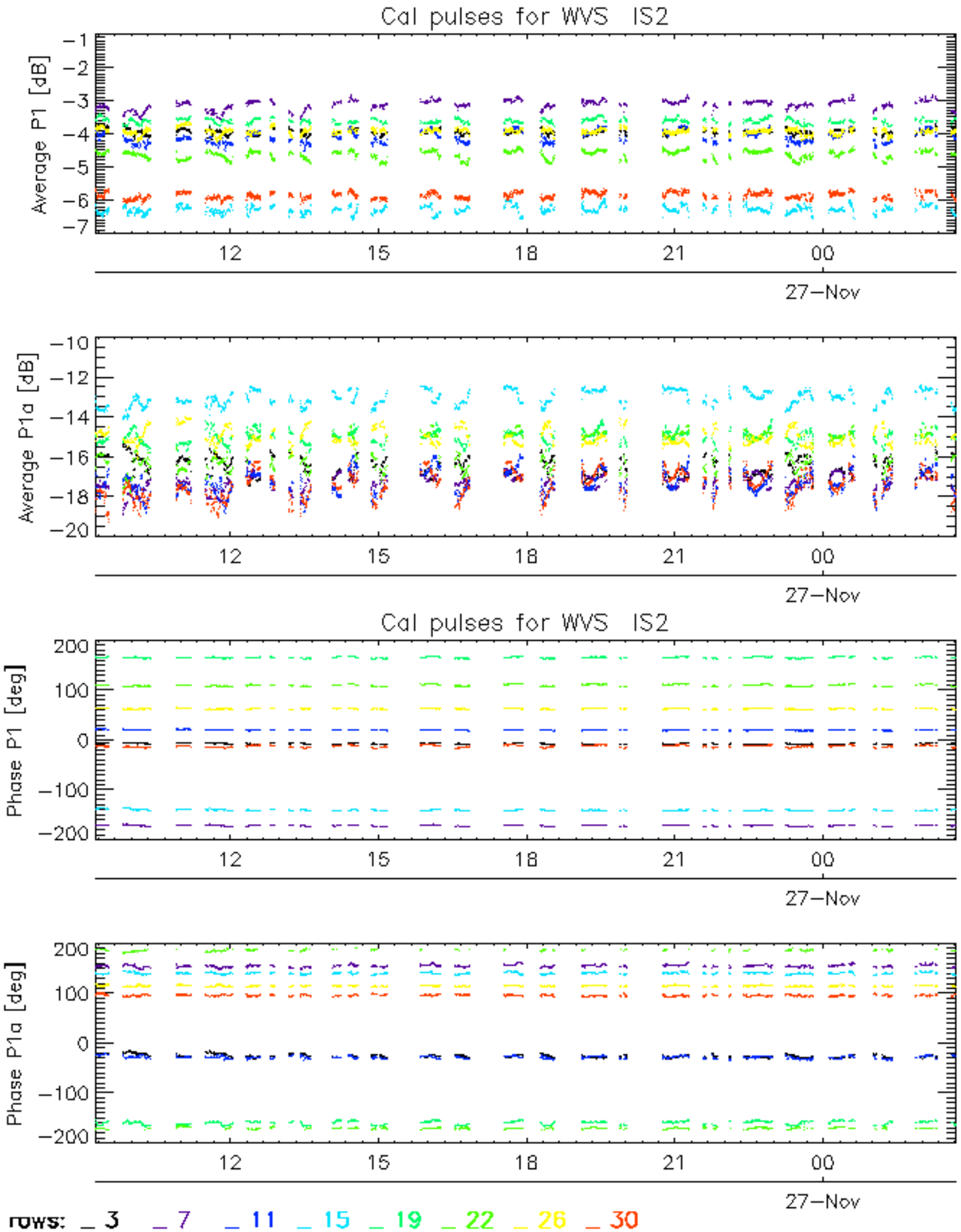


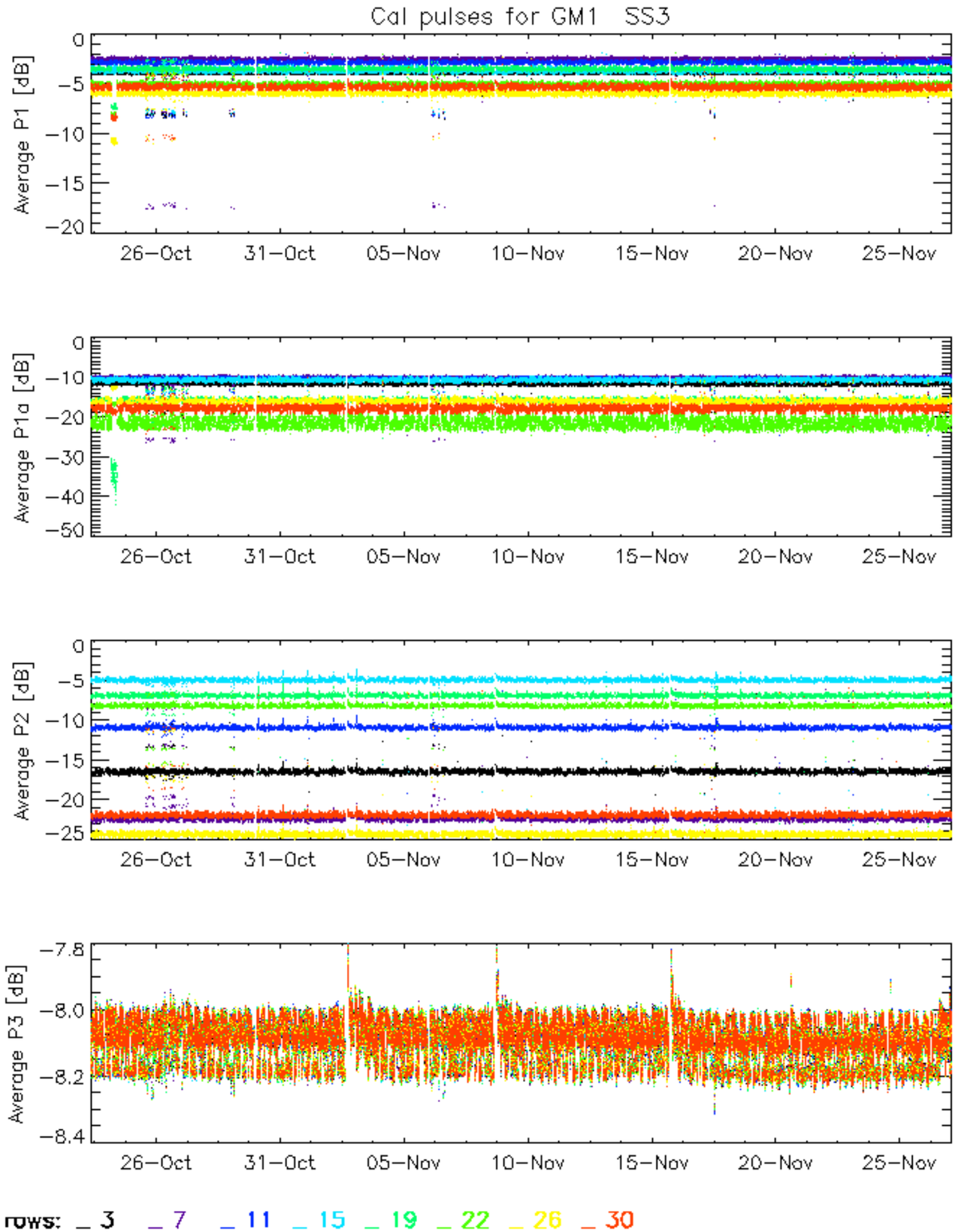
Descending

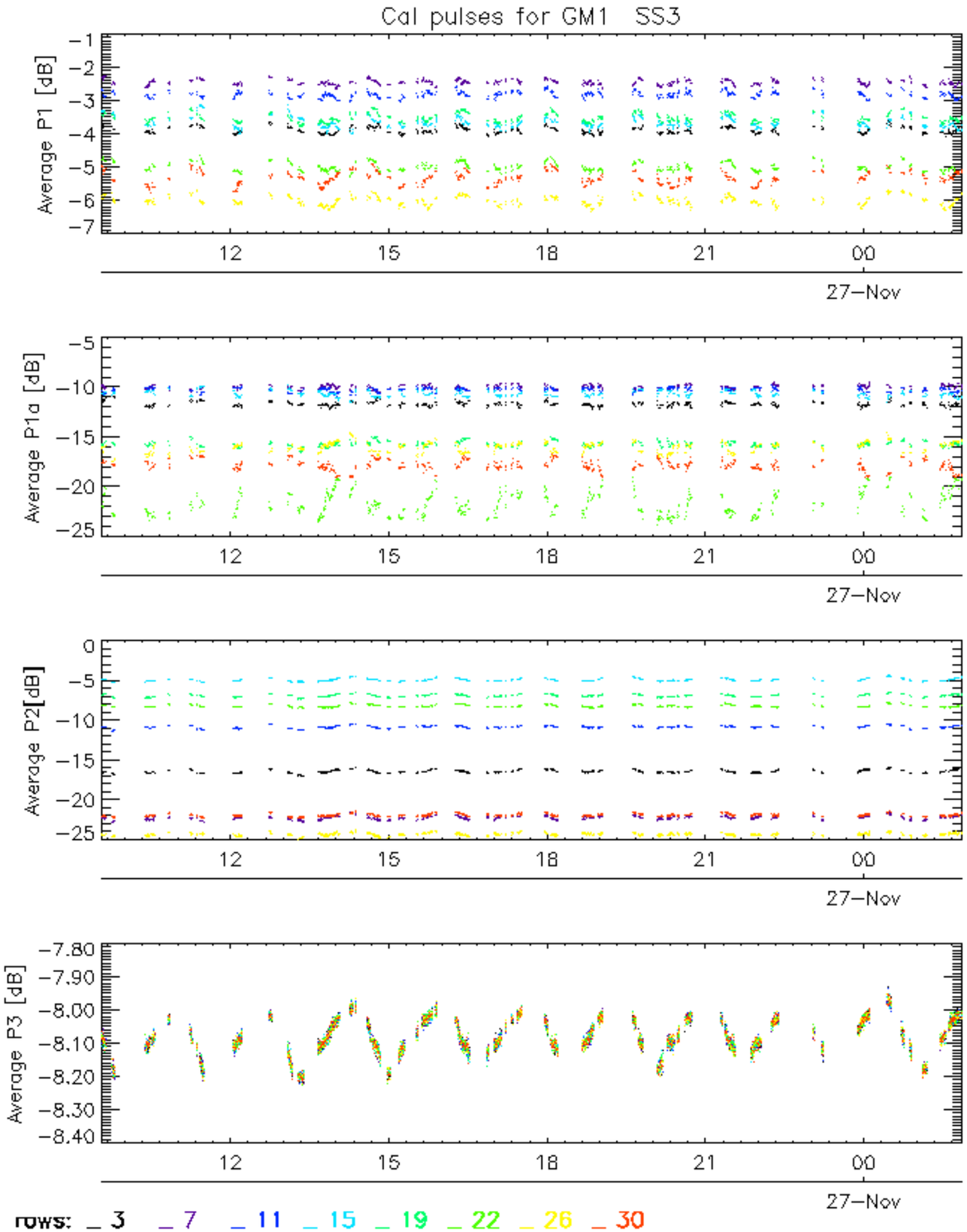
7.6 - Doppler evolution versus ANX for GM1

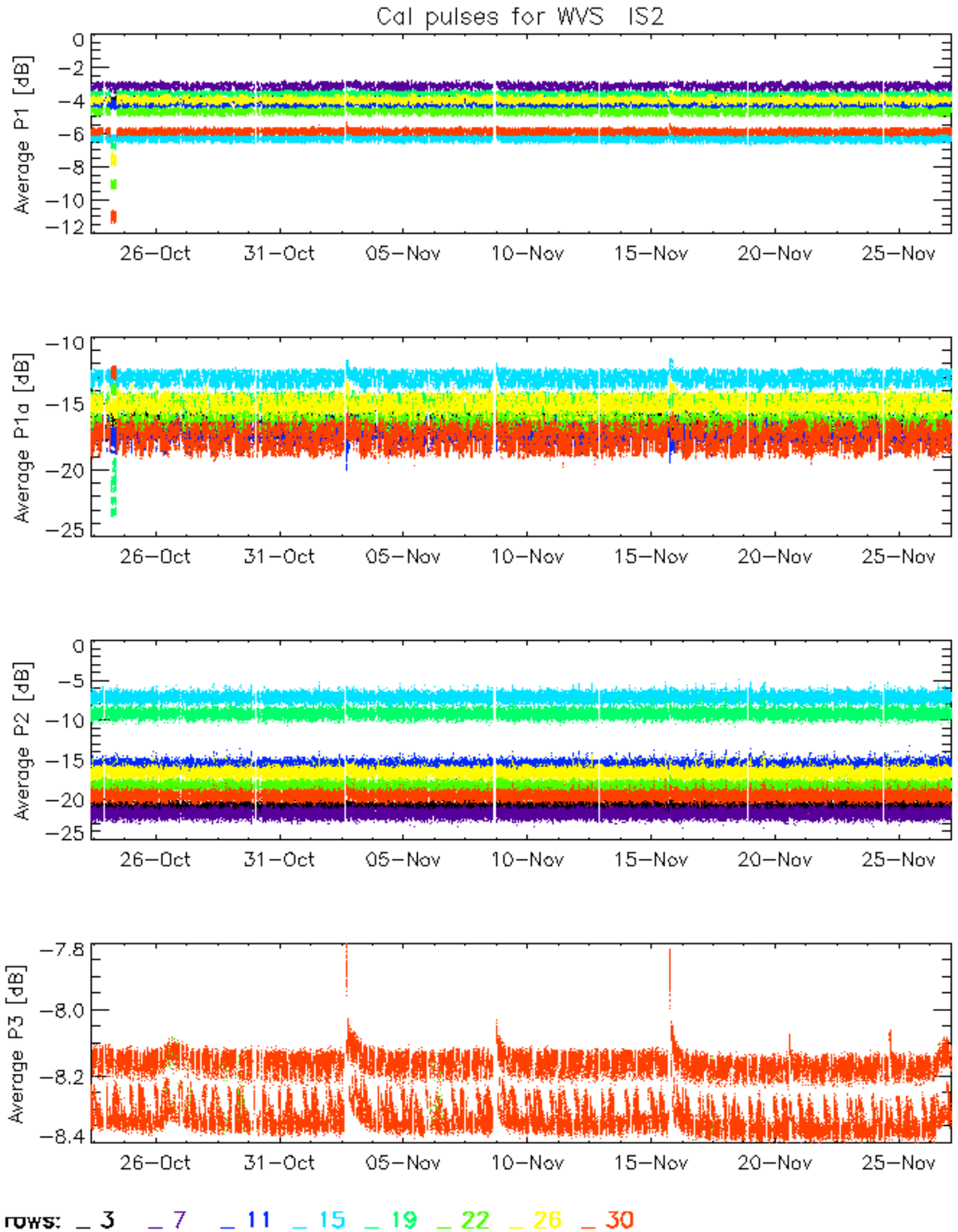
Evolution Doppler error versus ANX

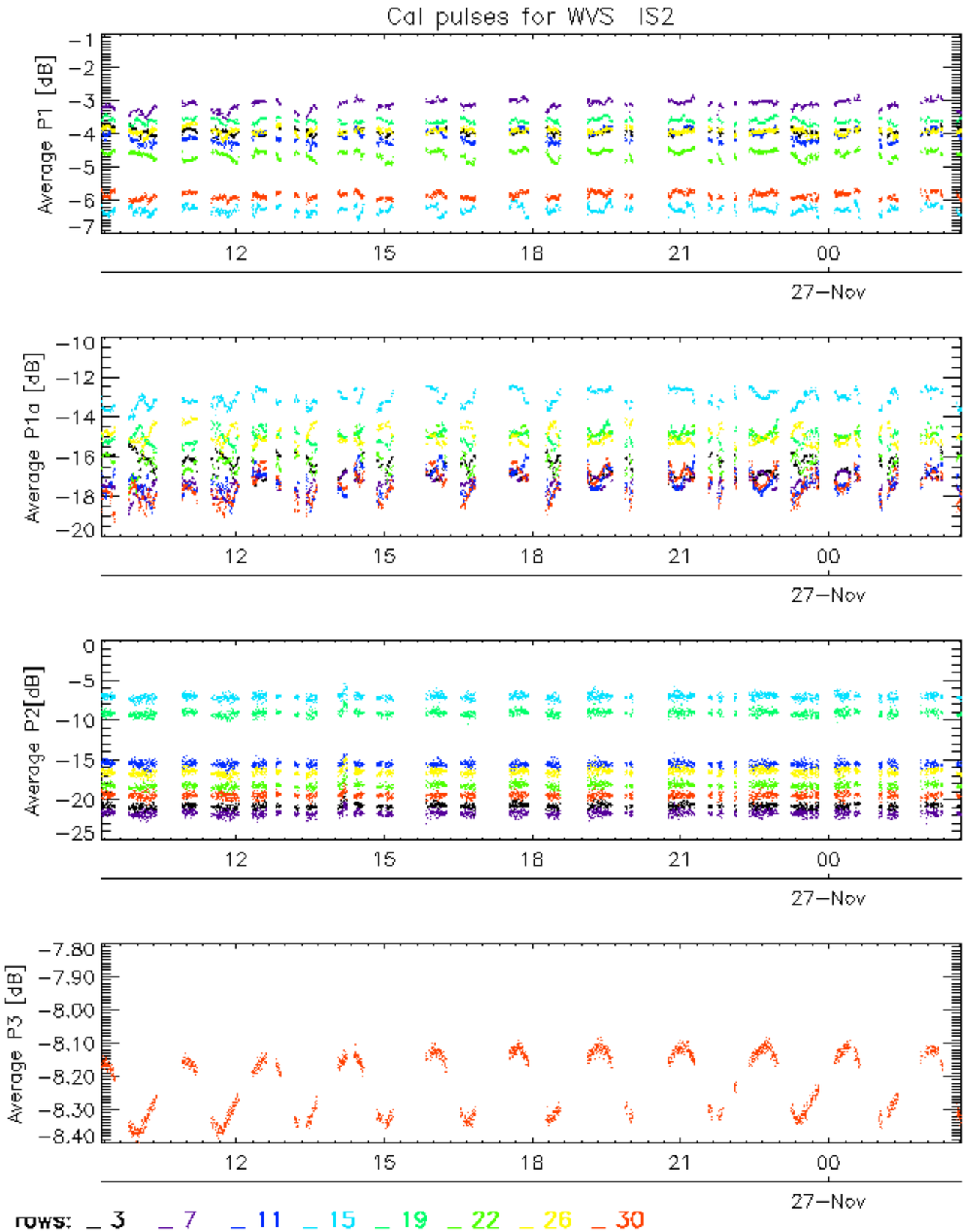

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
12
15
18
21
00
27−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
12
15
18
21
00
27−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
12
15
18
21
00
27−Nov
Phase P1a [deg]
200
100
0
−100
−200
12
15
18
21
00
27−Nov
rows: _ 3 _ 7 _ 11 _ 15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


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

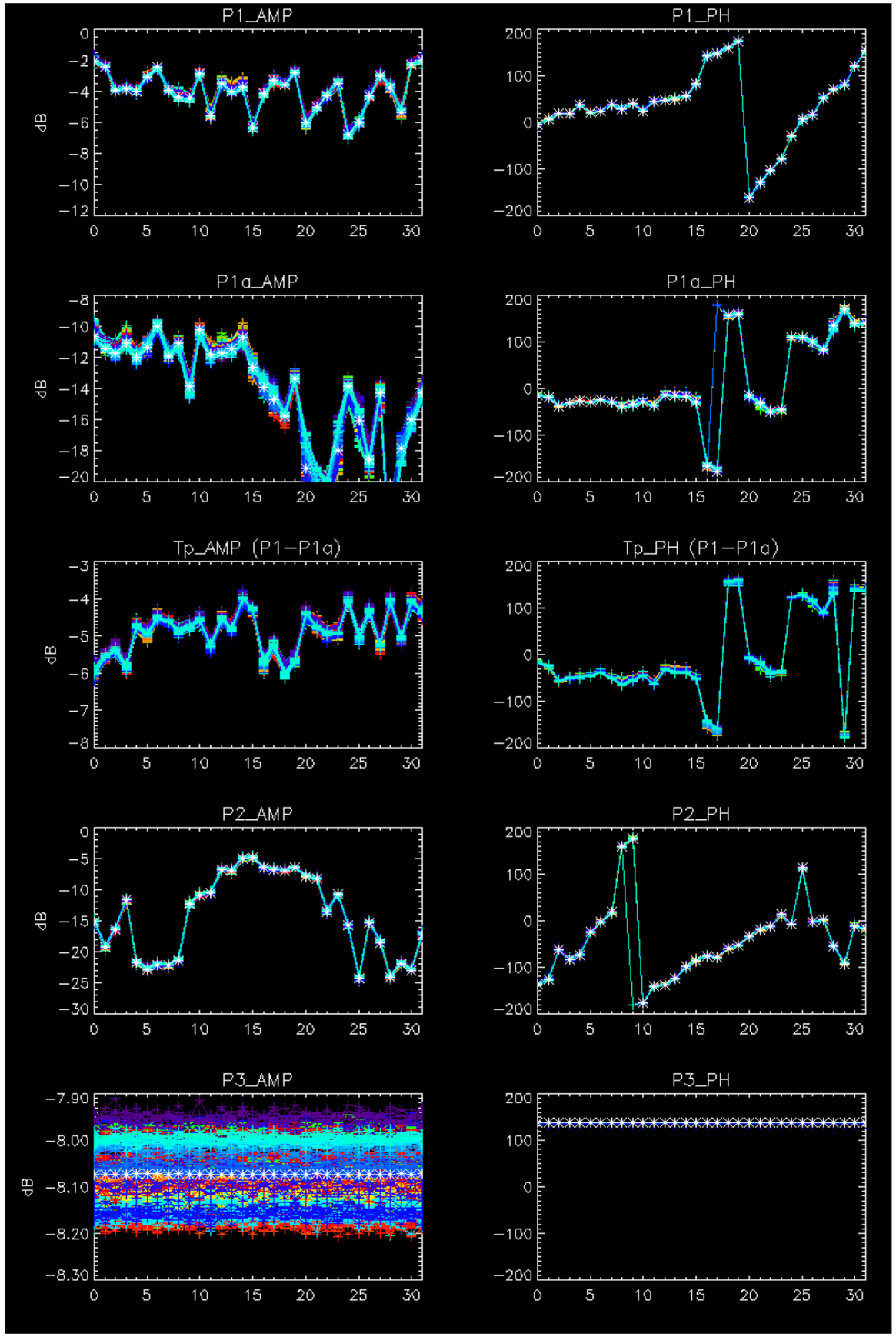

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

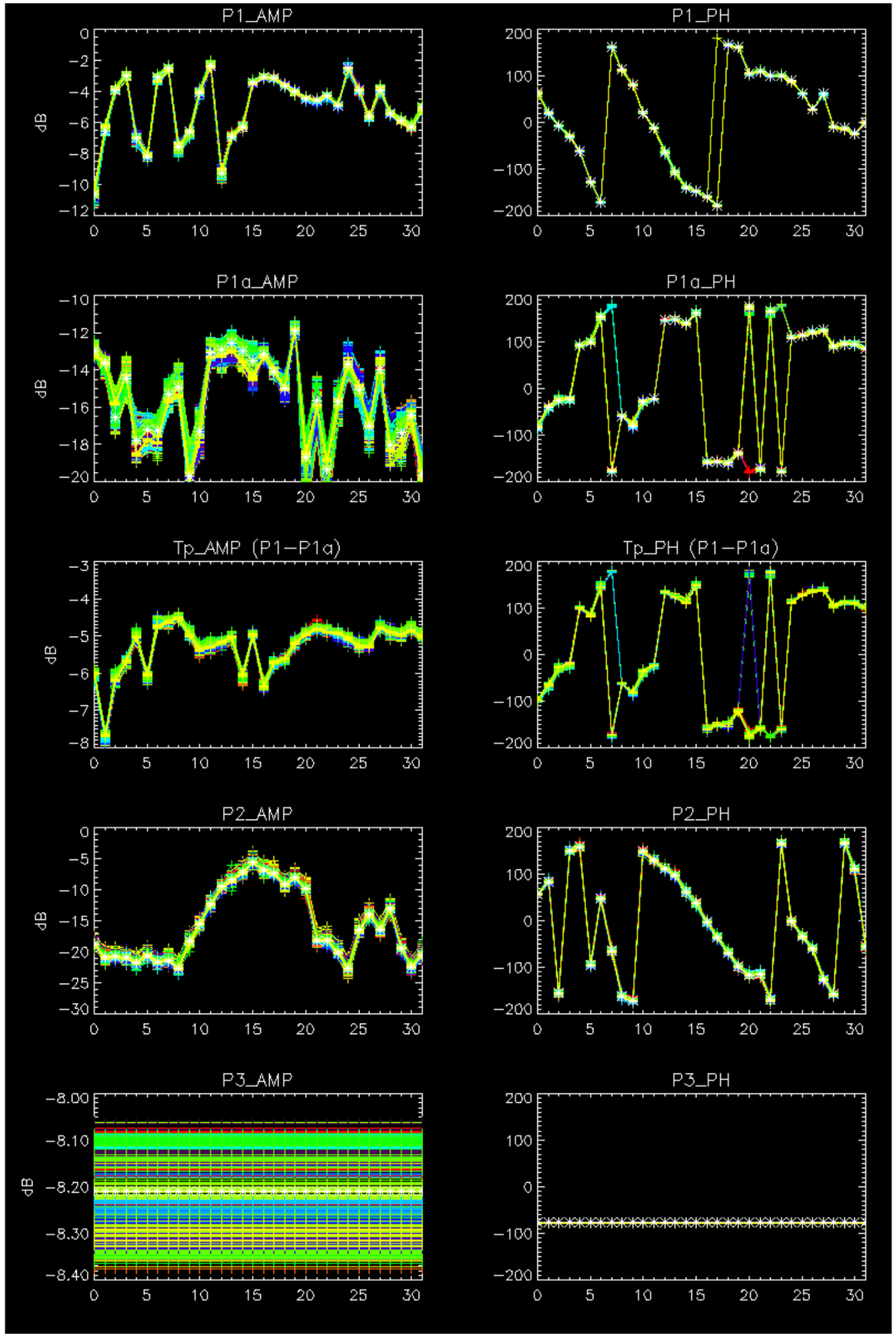

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
12
15
18
21
00
27−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
12
15
18
21
00
27−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
12
15
18
21
00
27−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
12
15
18
21
00
27−Nov
rows: _ 3 _ 7 _ 11 _ 15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


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

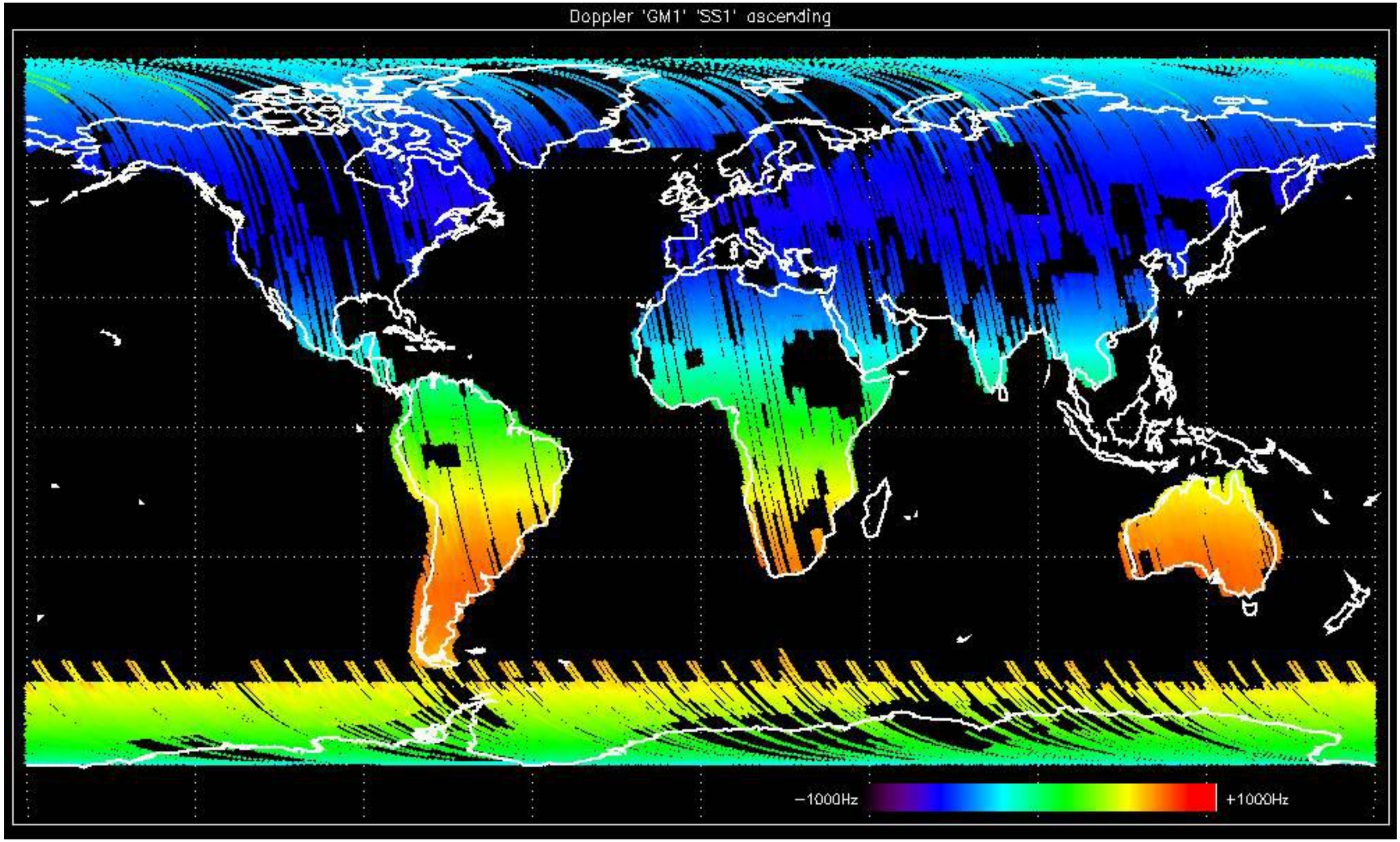
No anomalies observed.

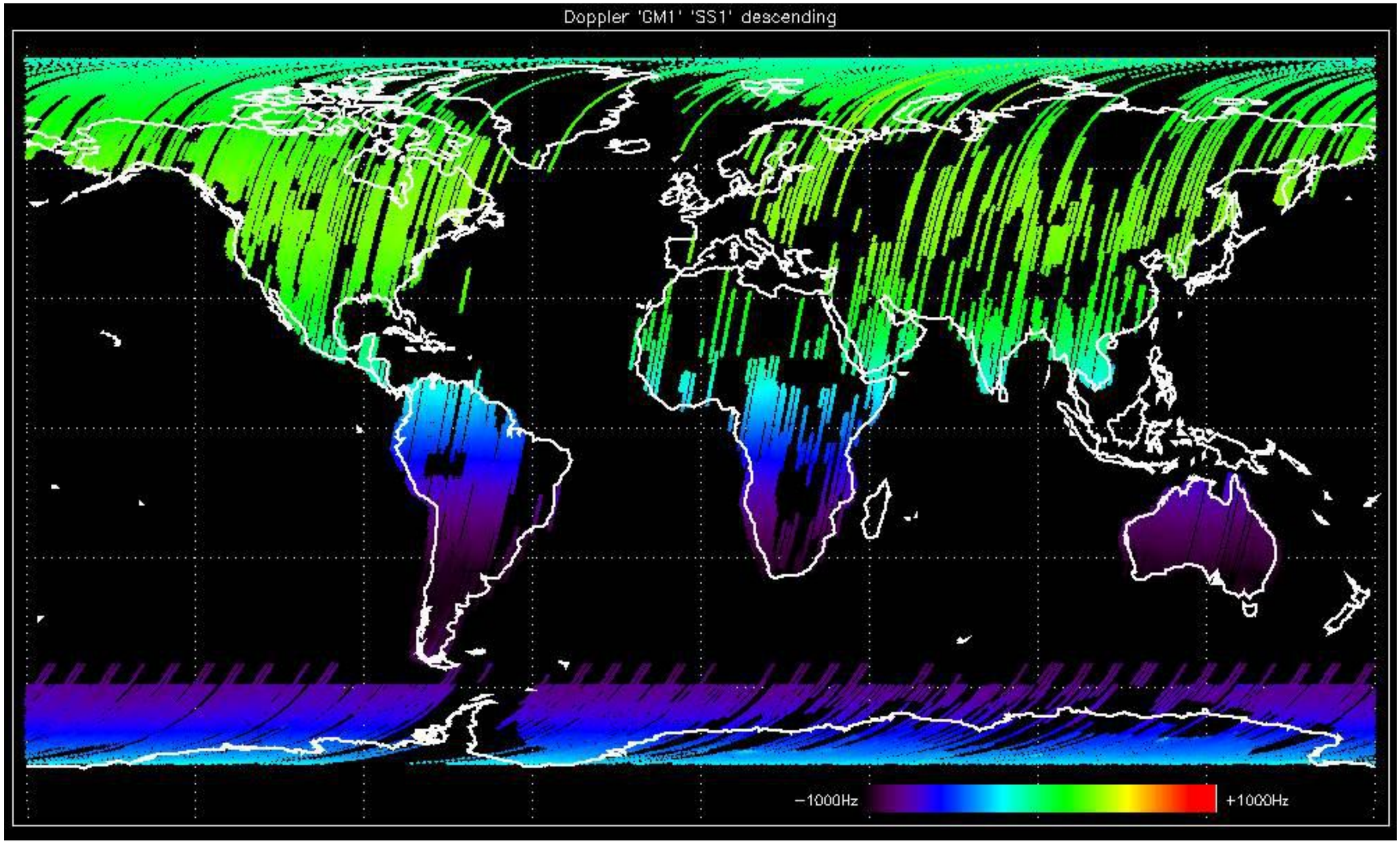

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

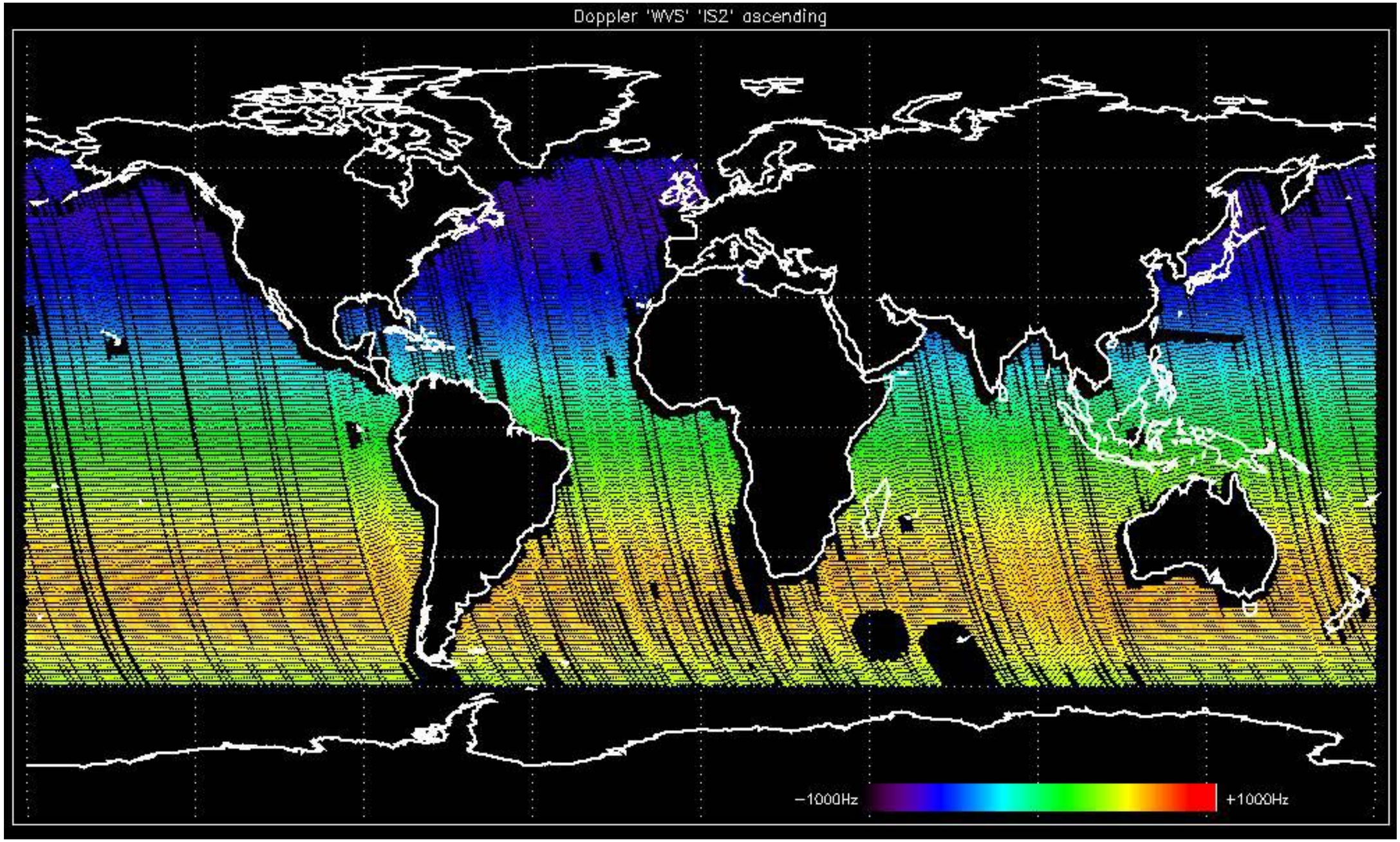

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

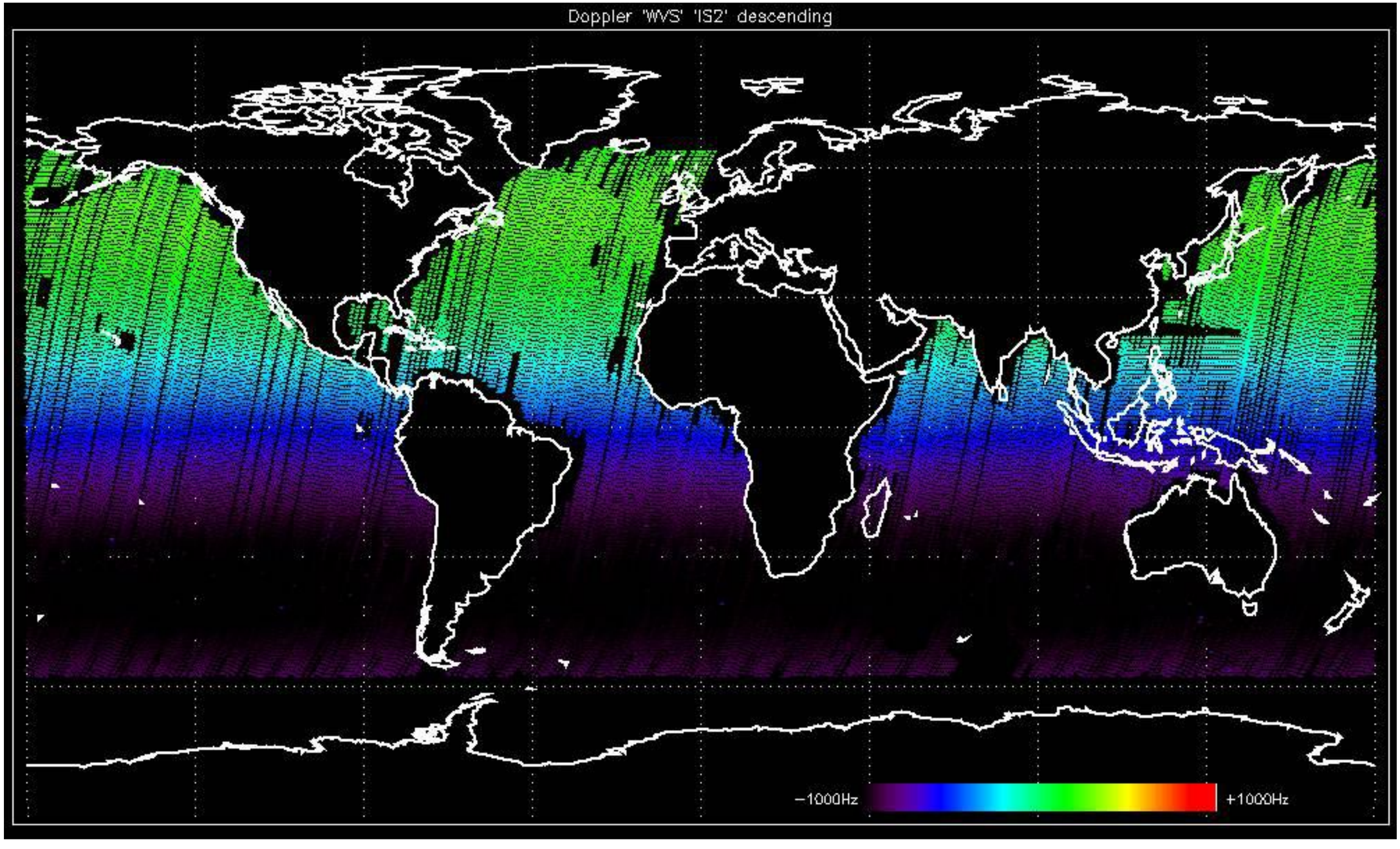
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

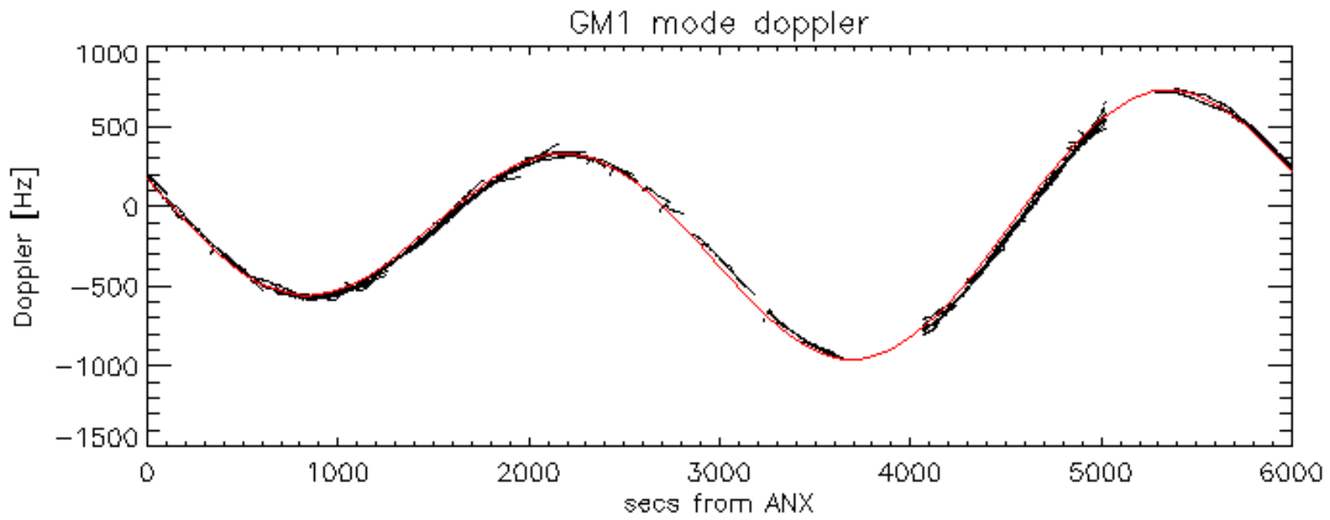
Preliminary report.The data is not yet controled

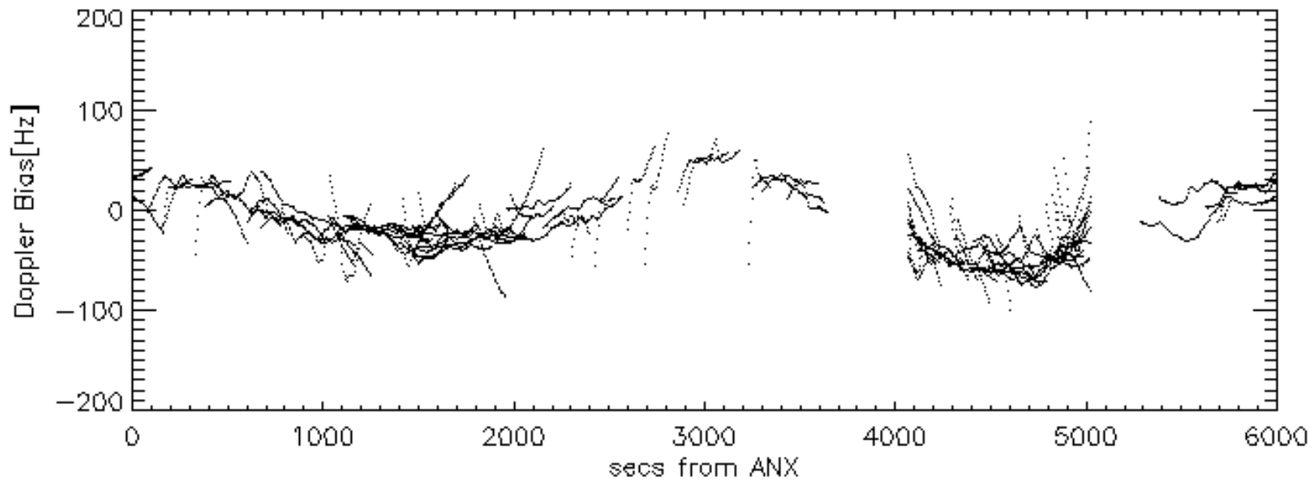

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

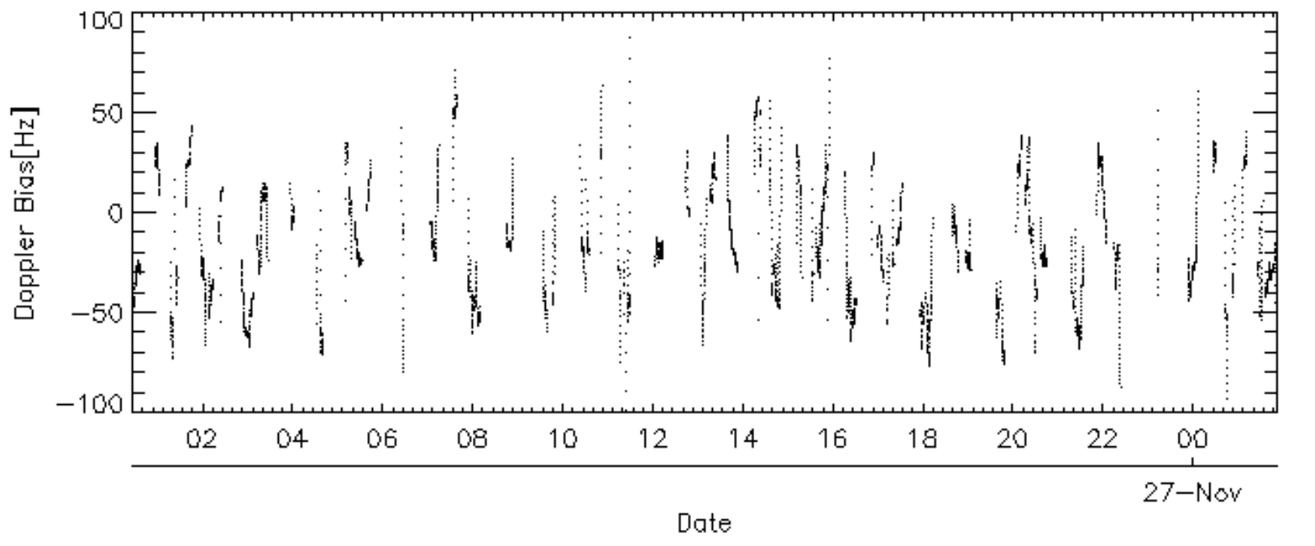

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

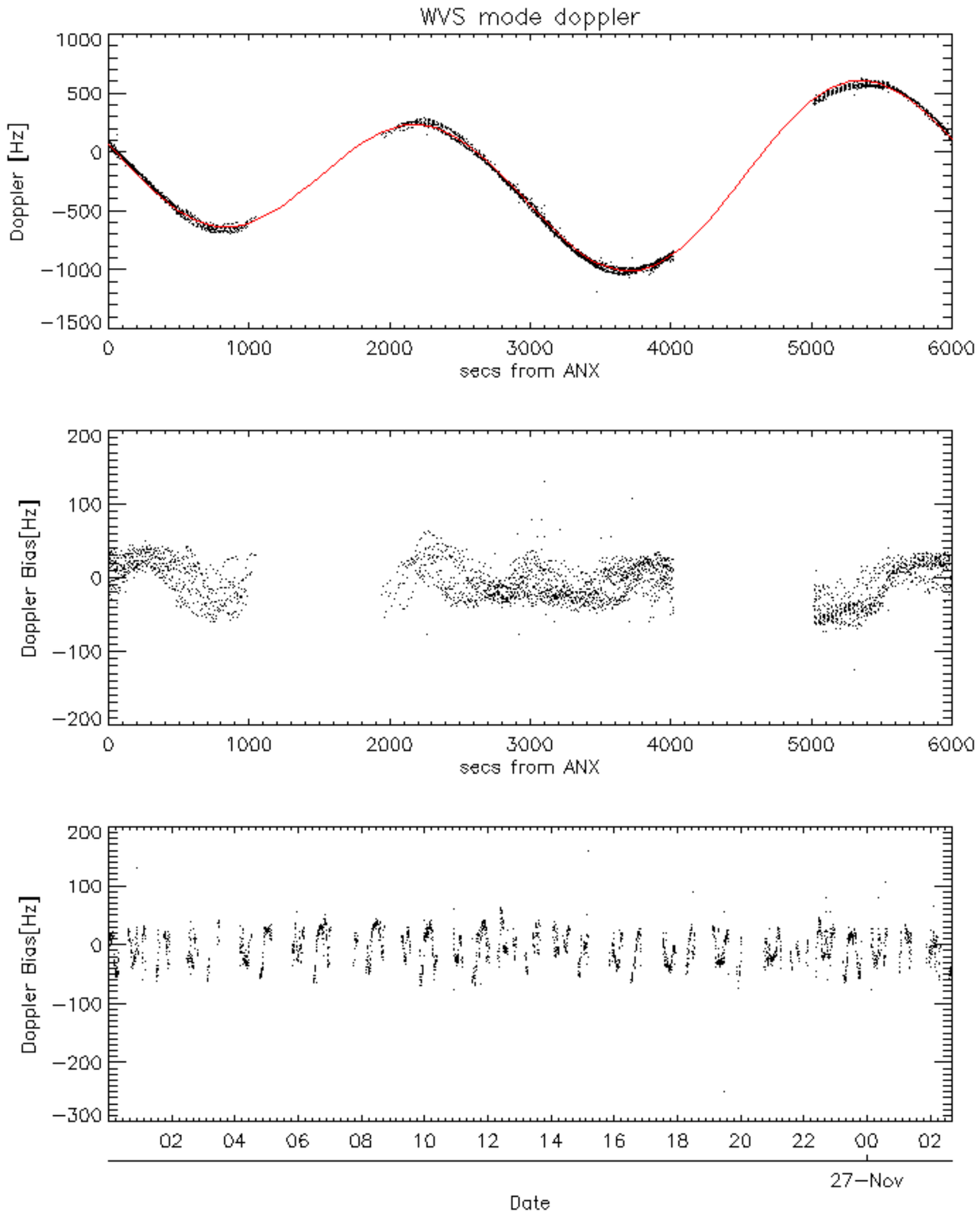

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

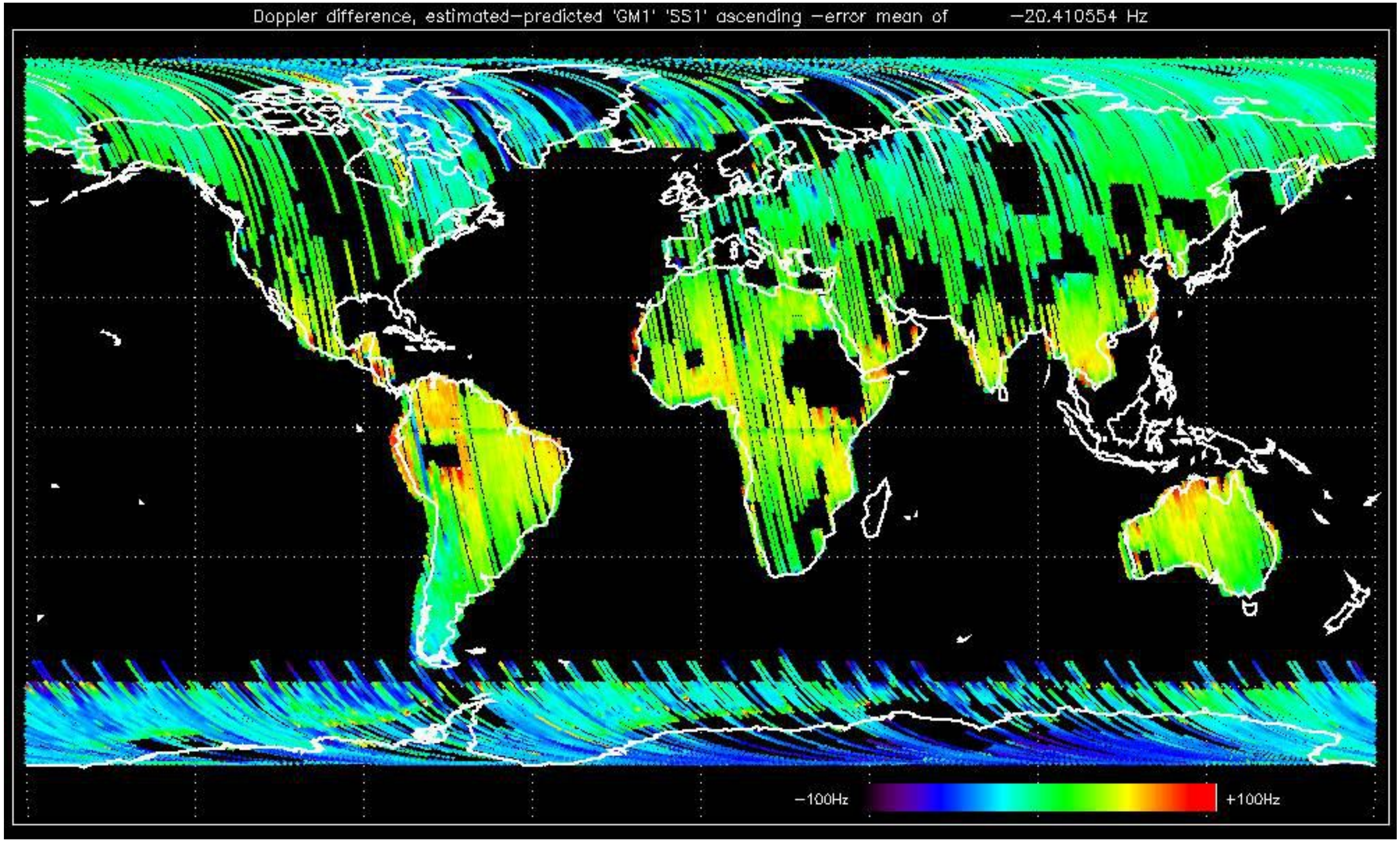

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

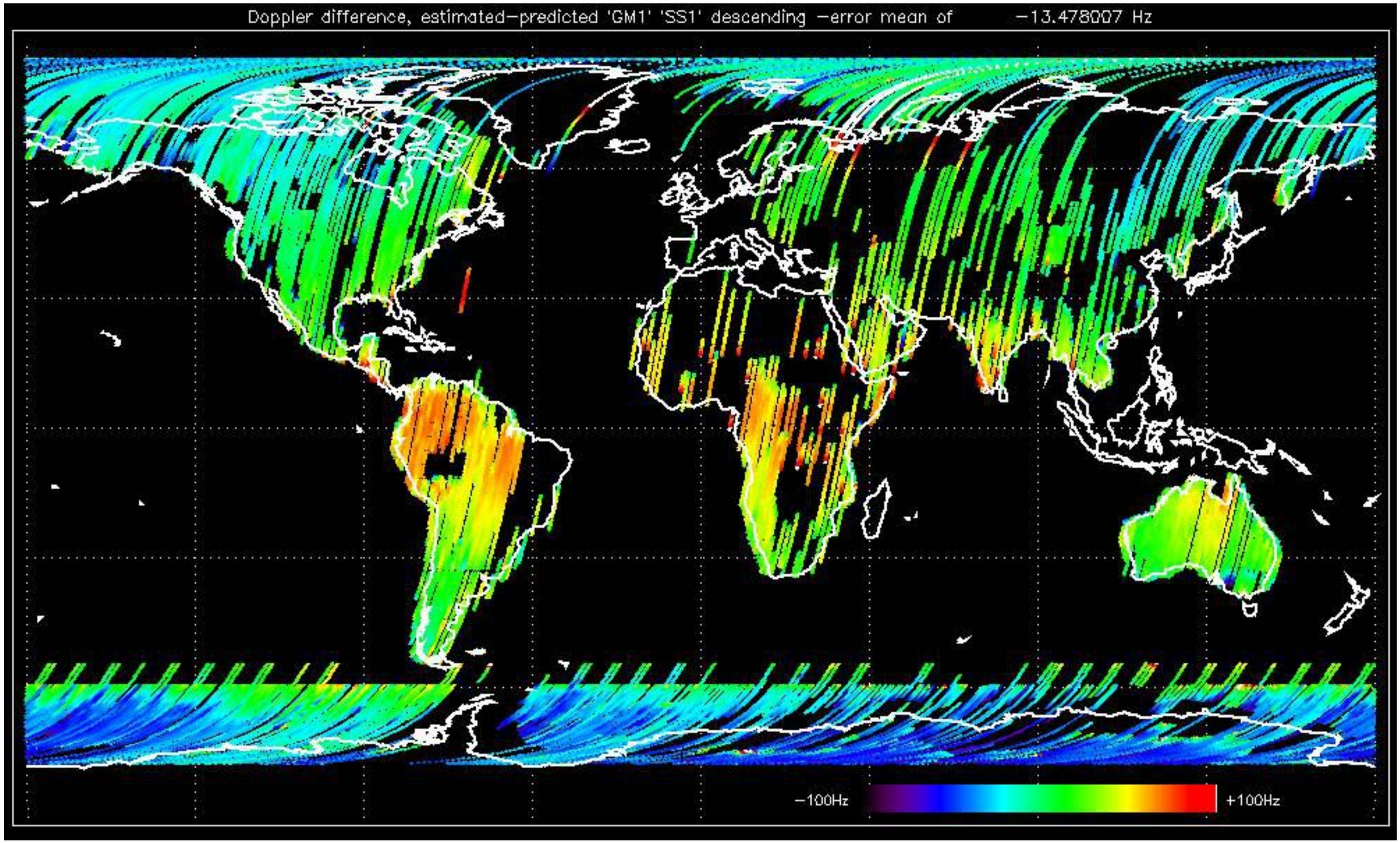

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

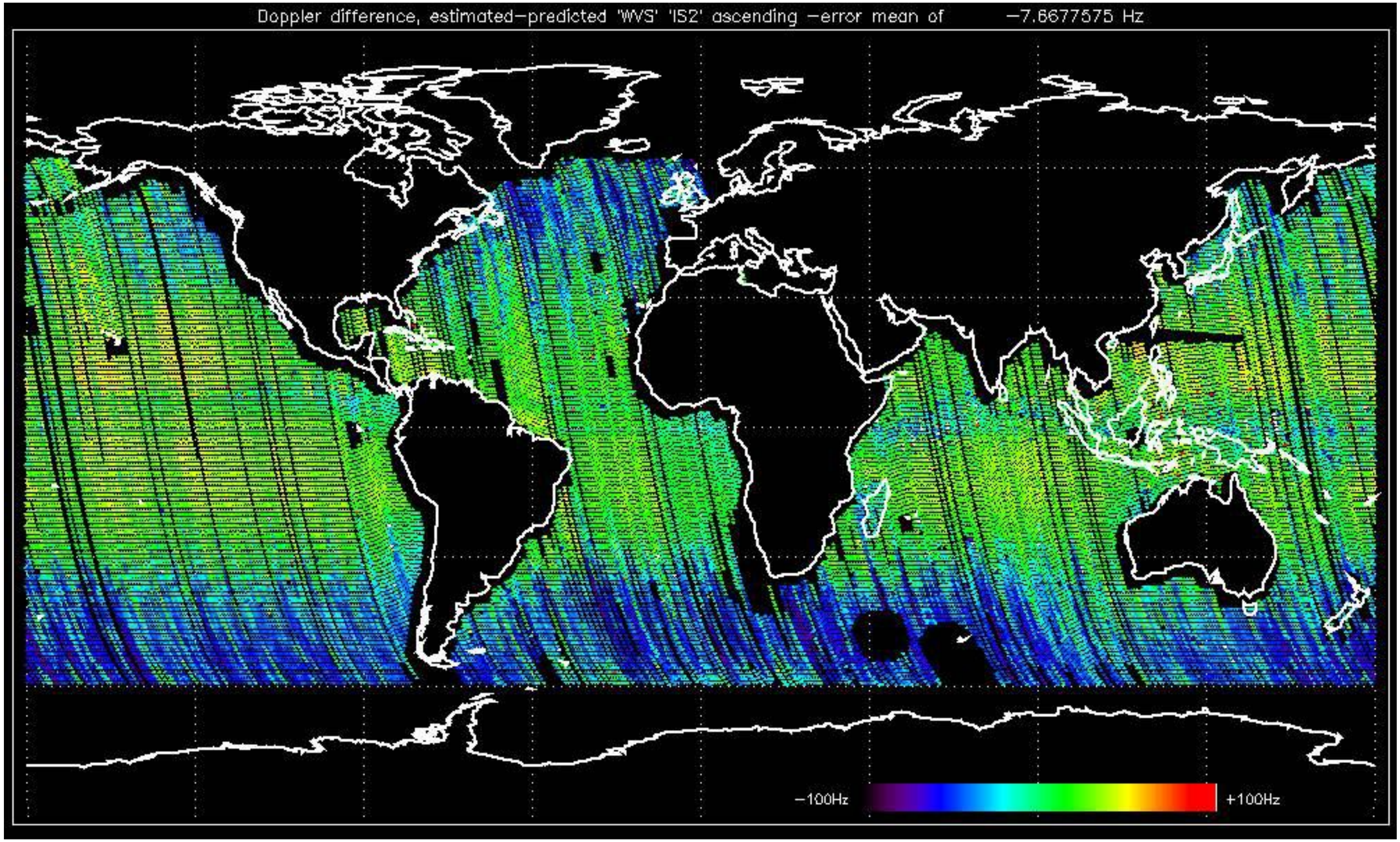

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

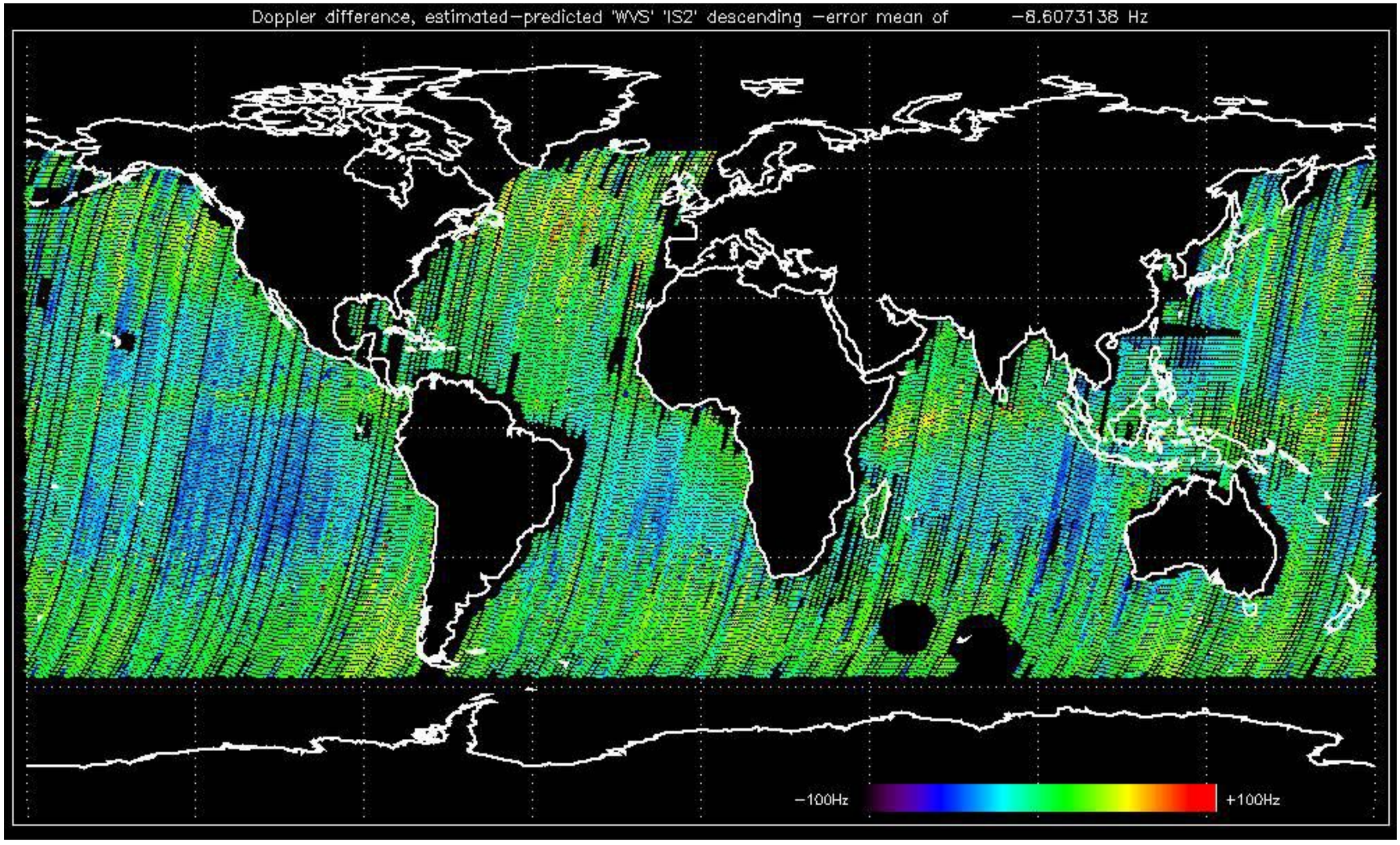

Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
27−Nov
Date


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]
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
27−Nov
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.410554 Hz
−100Hz
+100Hz

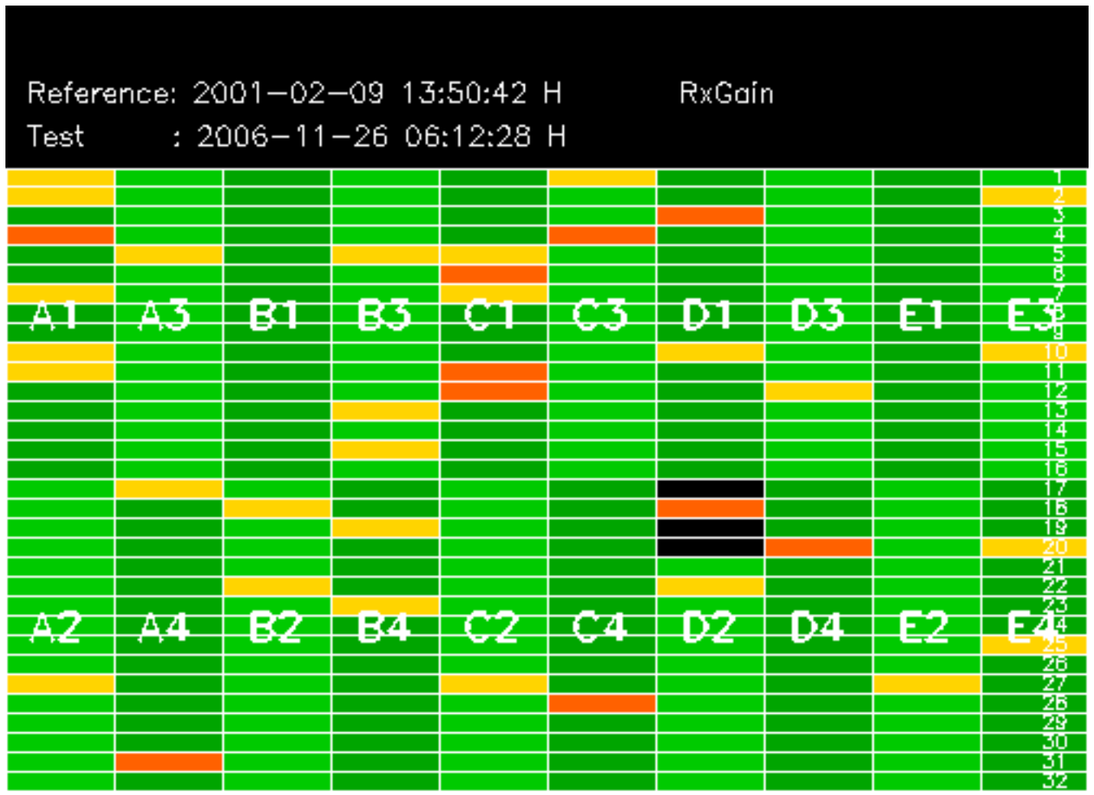

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.478007 Hz
−100Hz
+100Hz

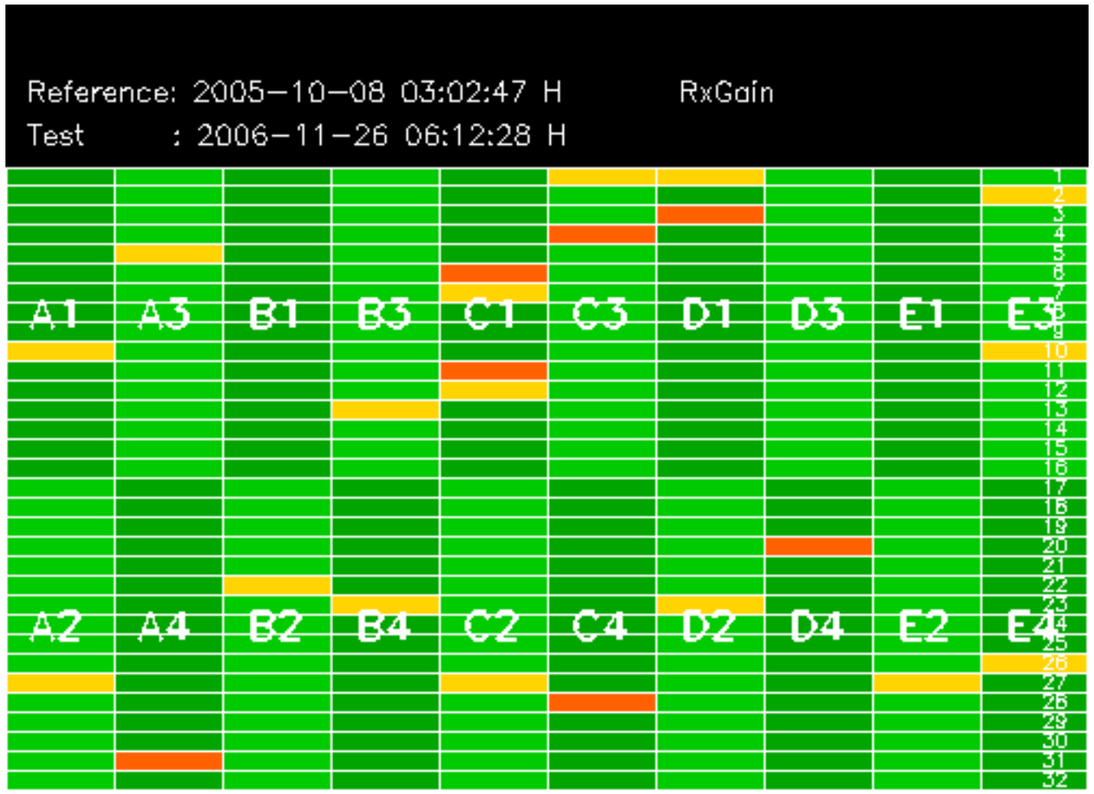

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −7.6677575 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −8.6073138 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-26 06:12:28 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 : 2006-11-26 06:12:28 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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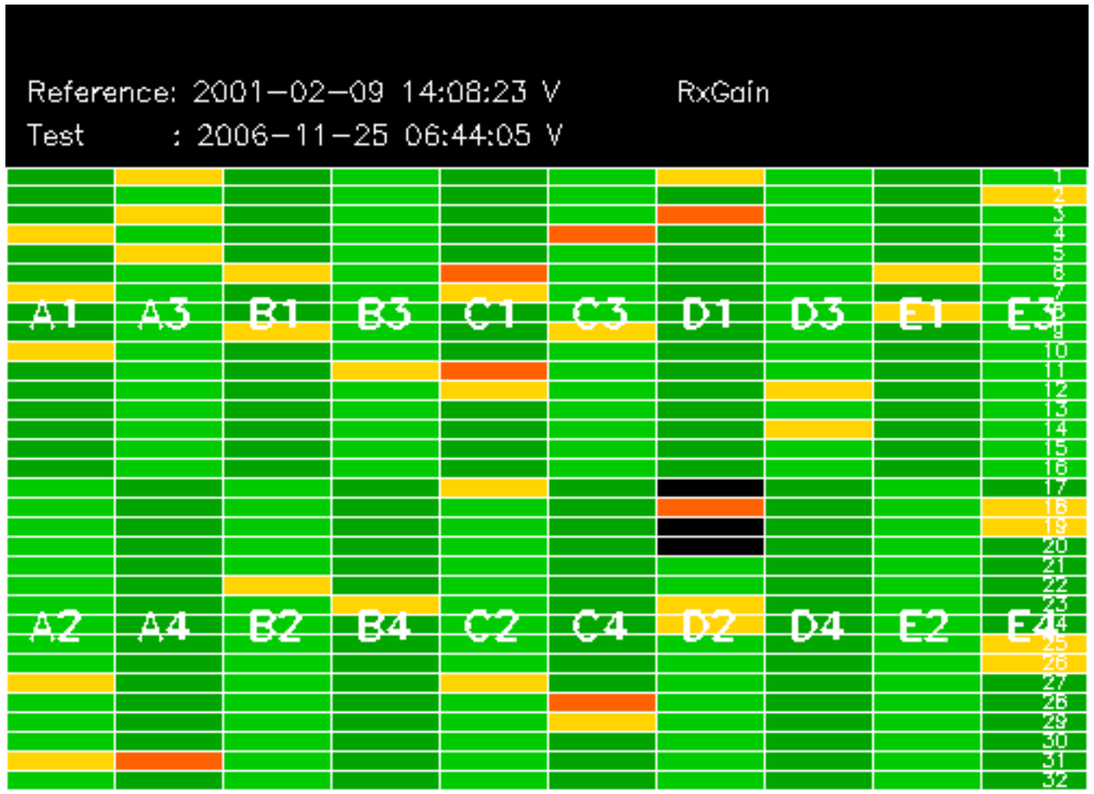
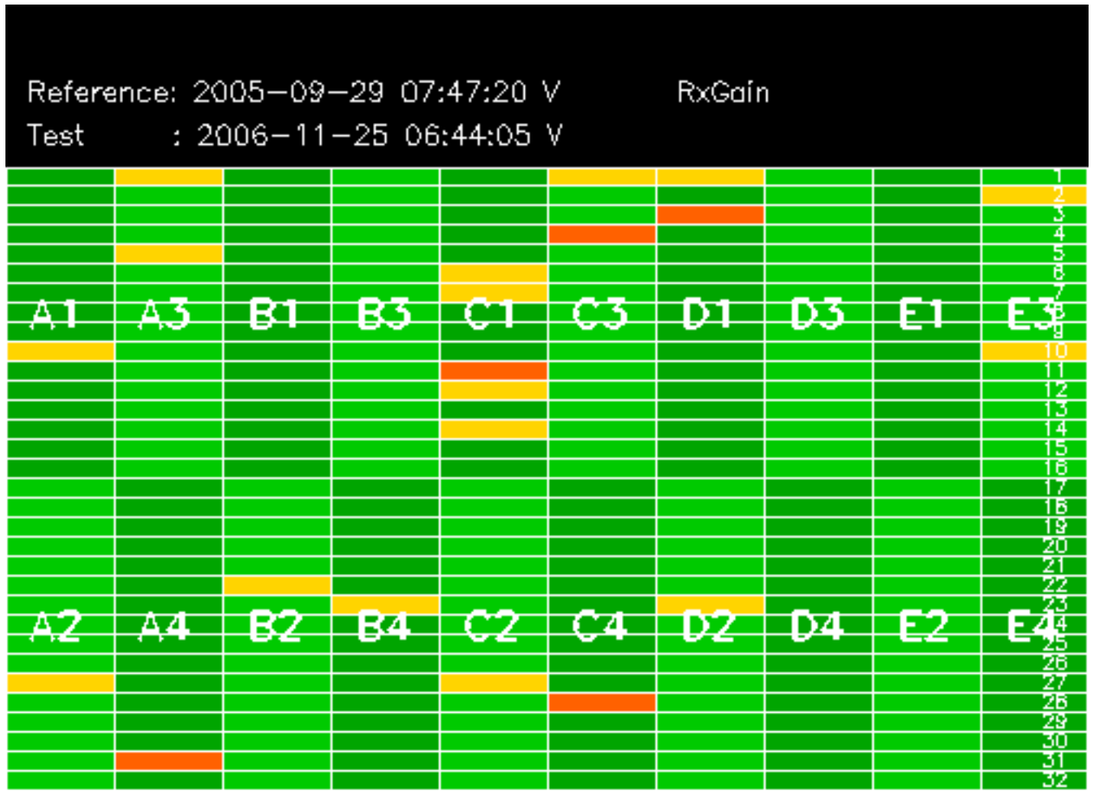

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 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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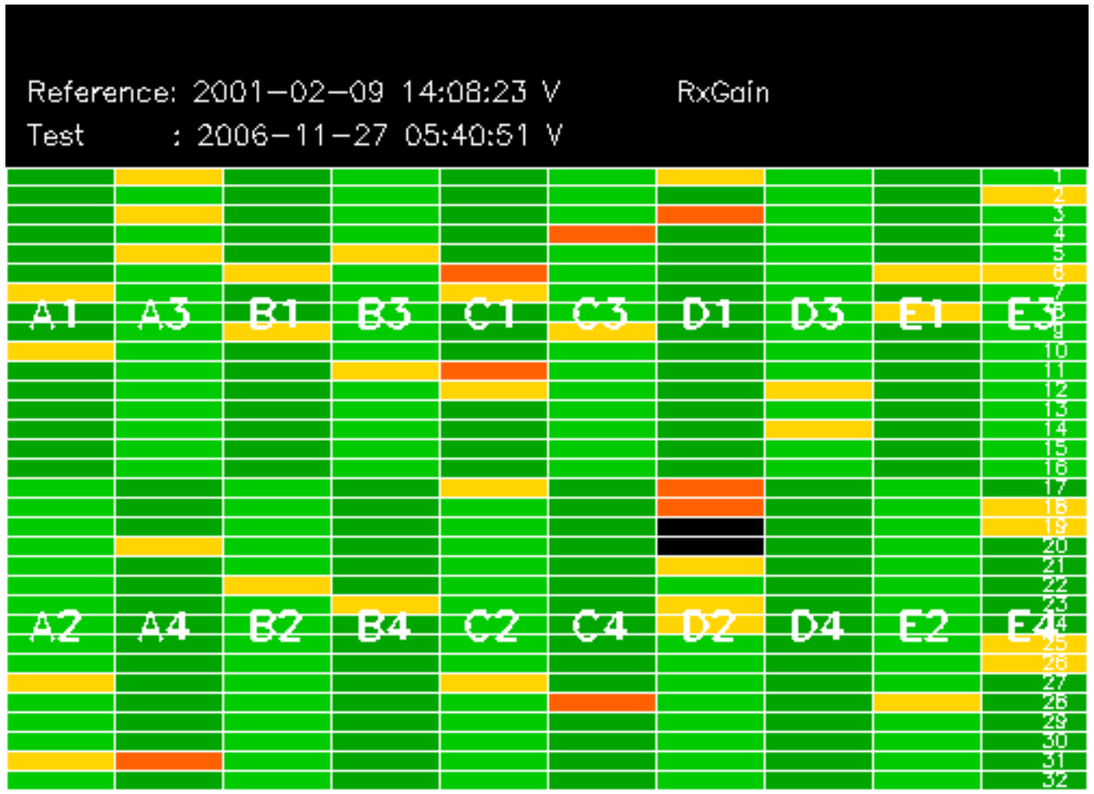
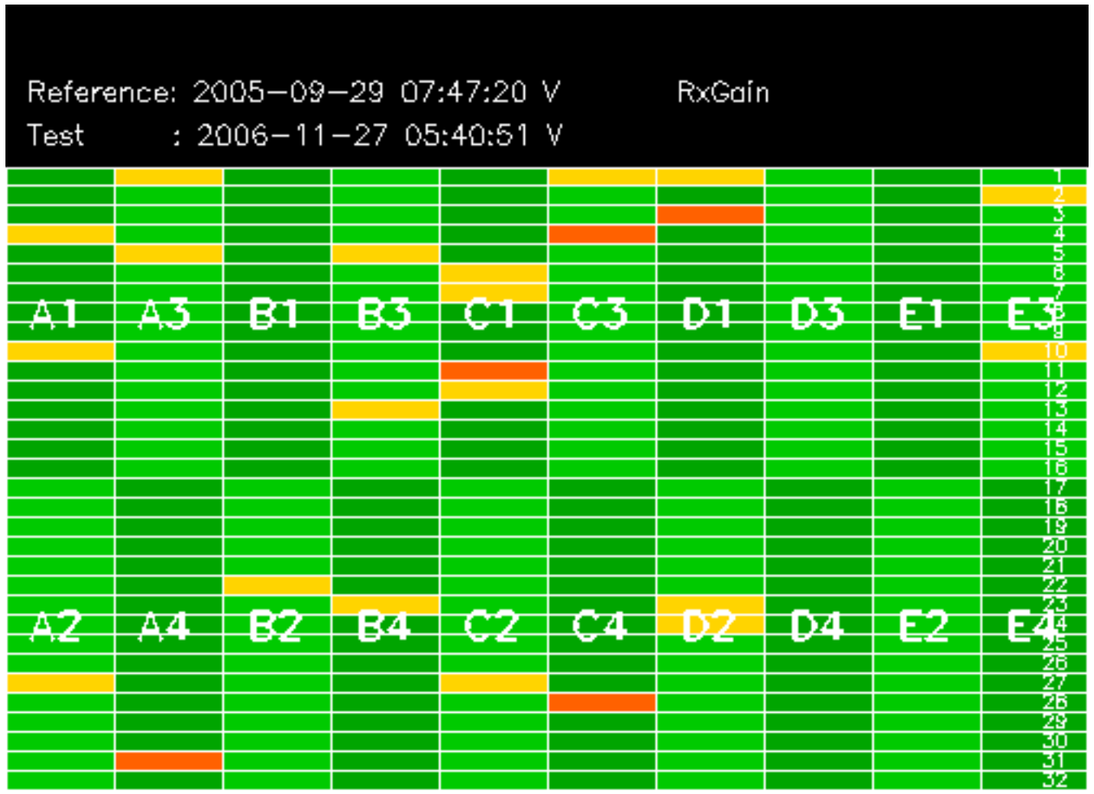

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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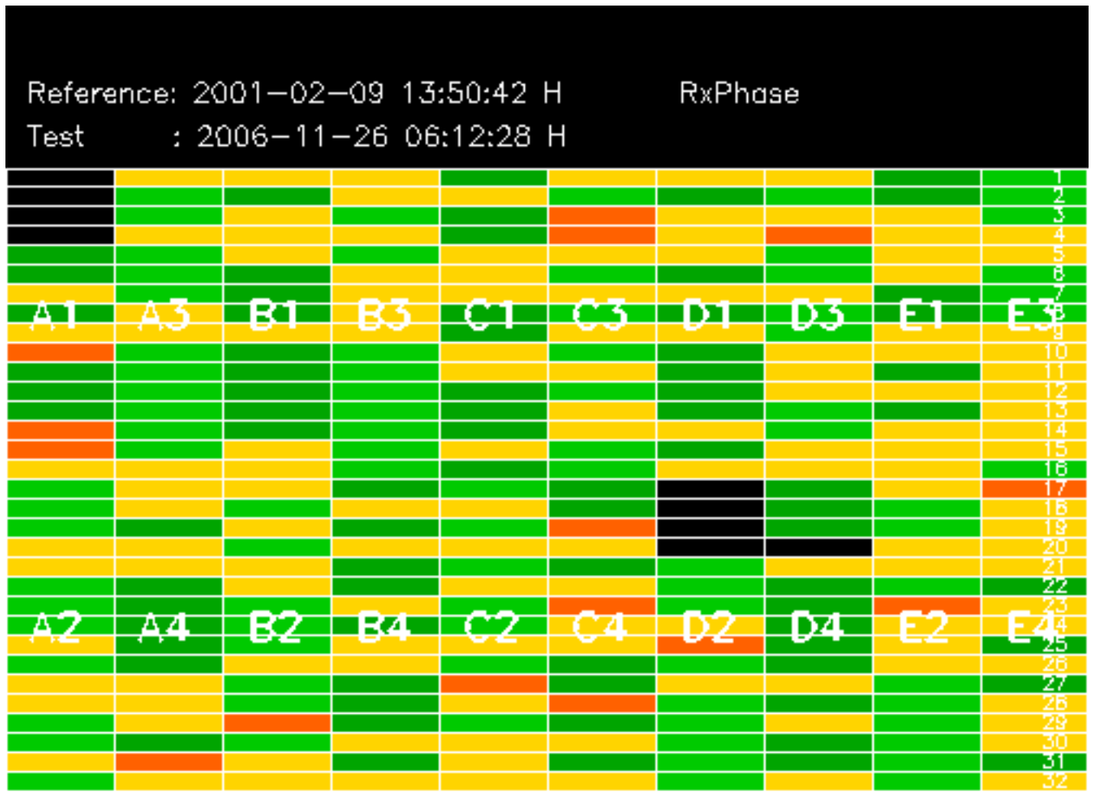
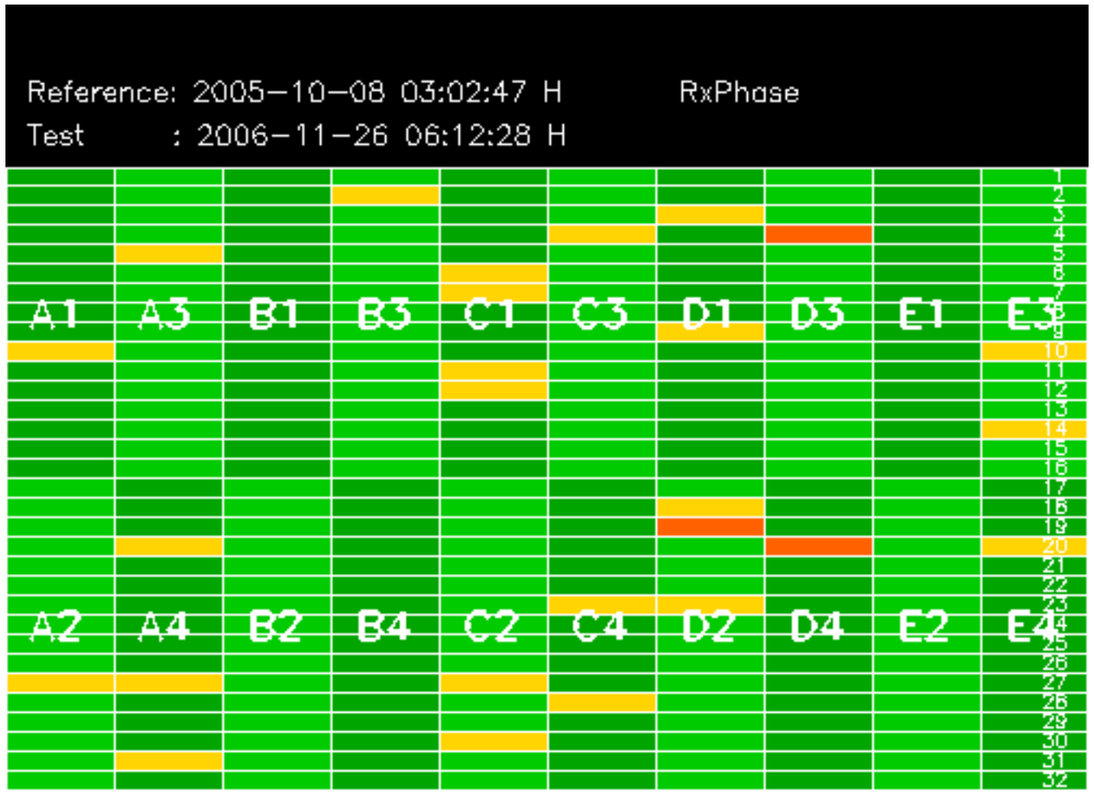

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-26 06:12:28 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-26 06:12:28 H
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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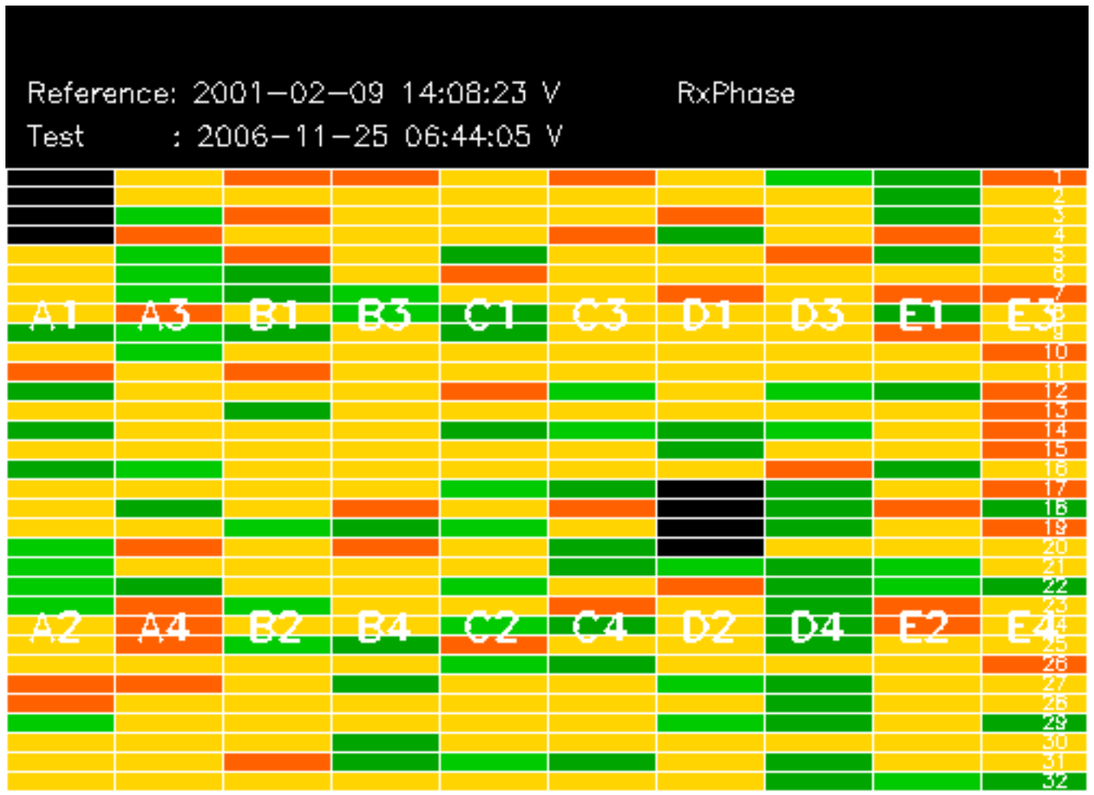
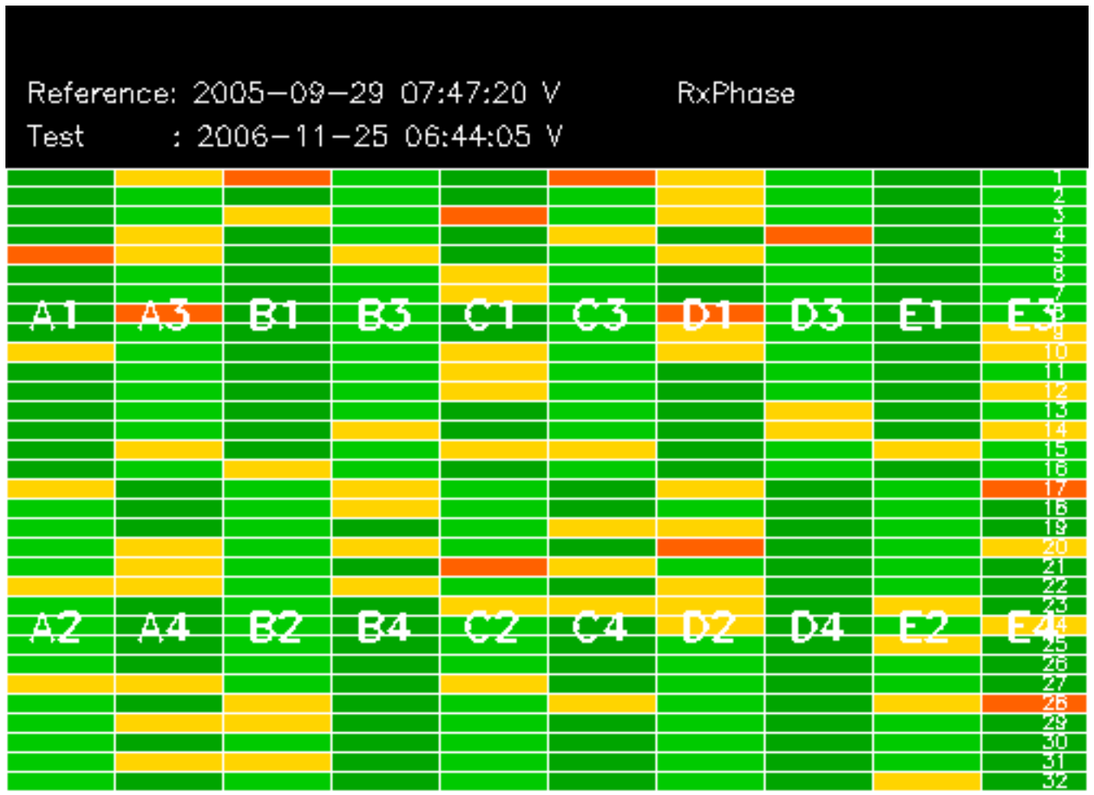

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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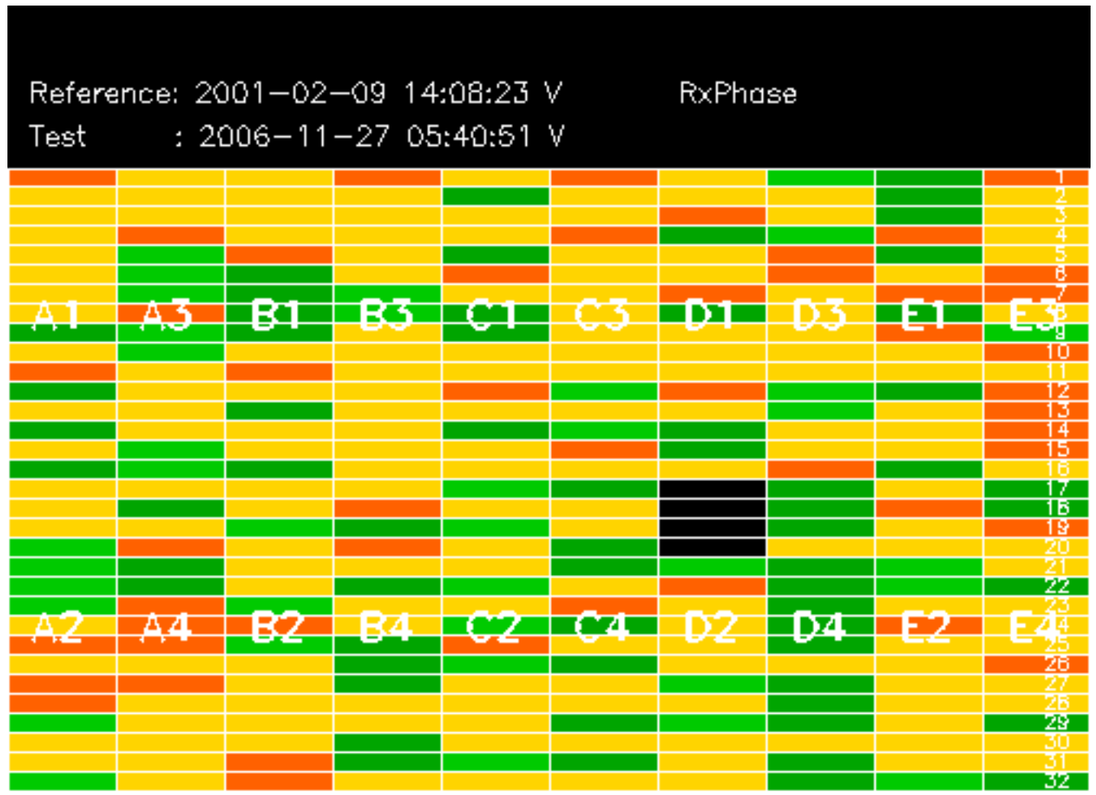
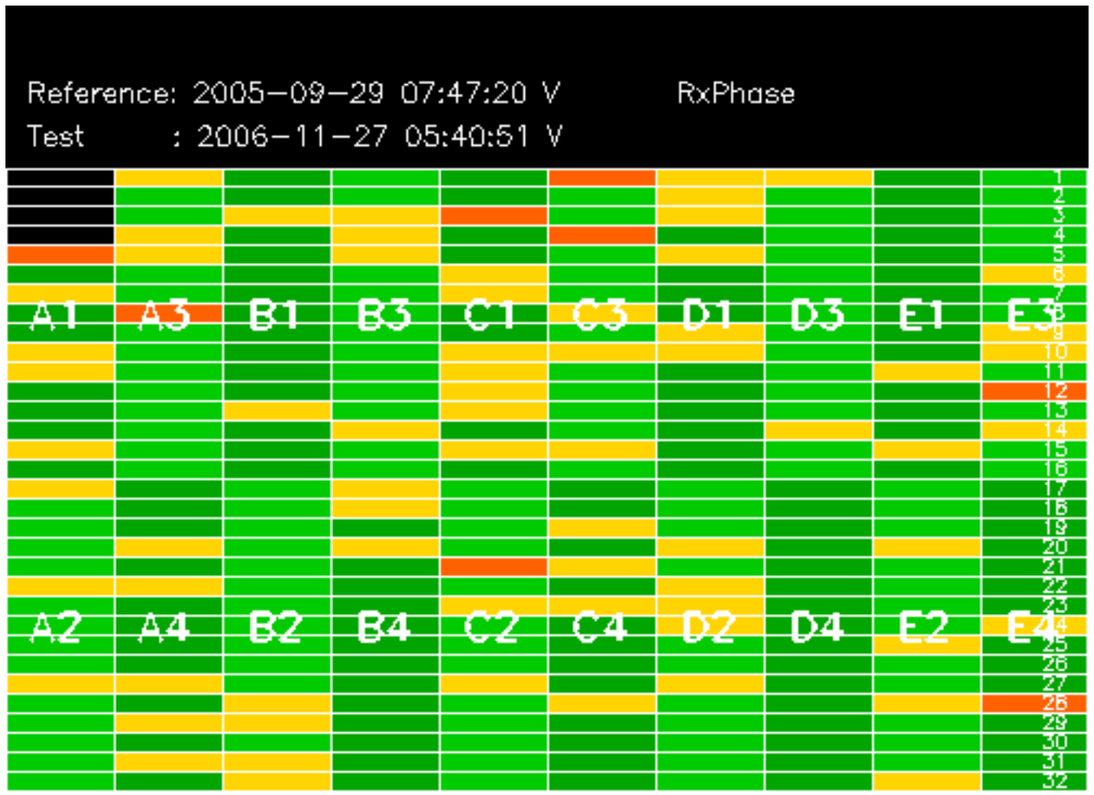

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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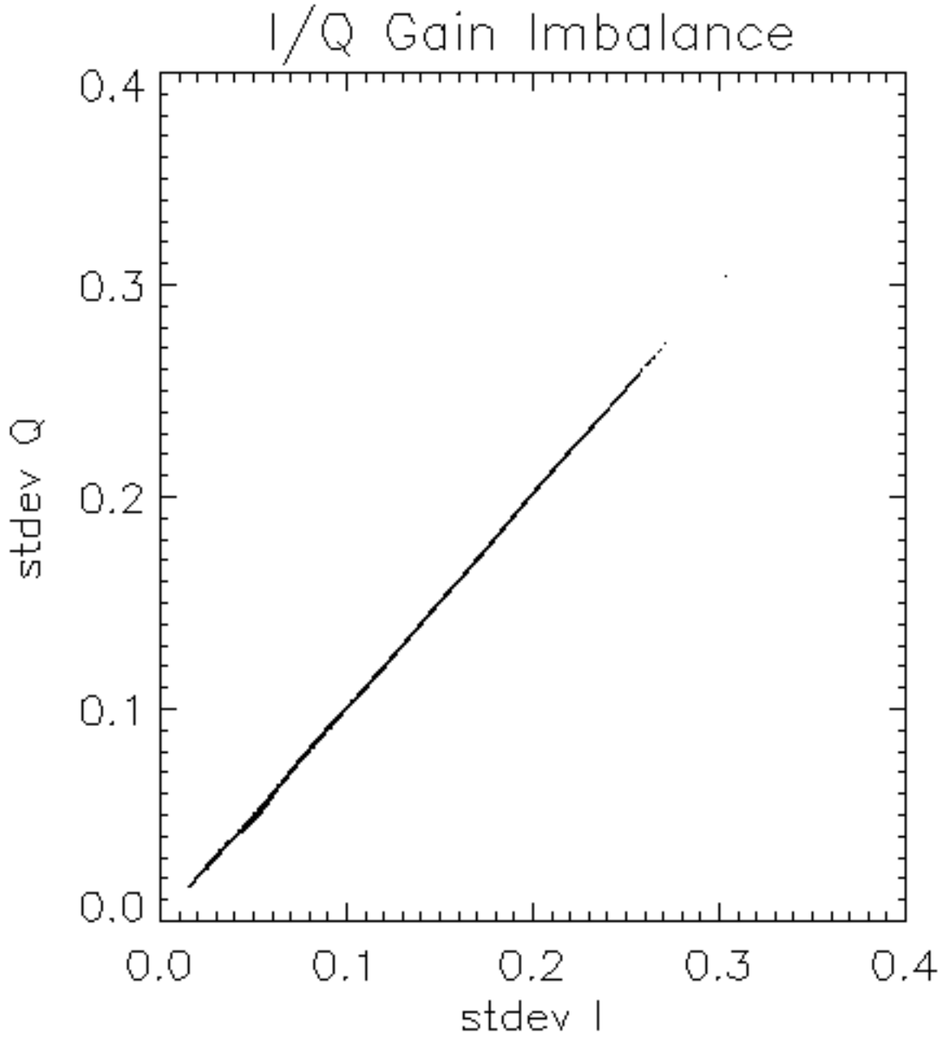
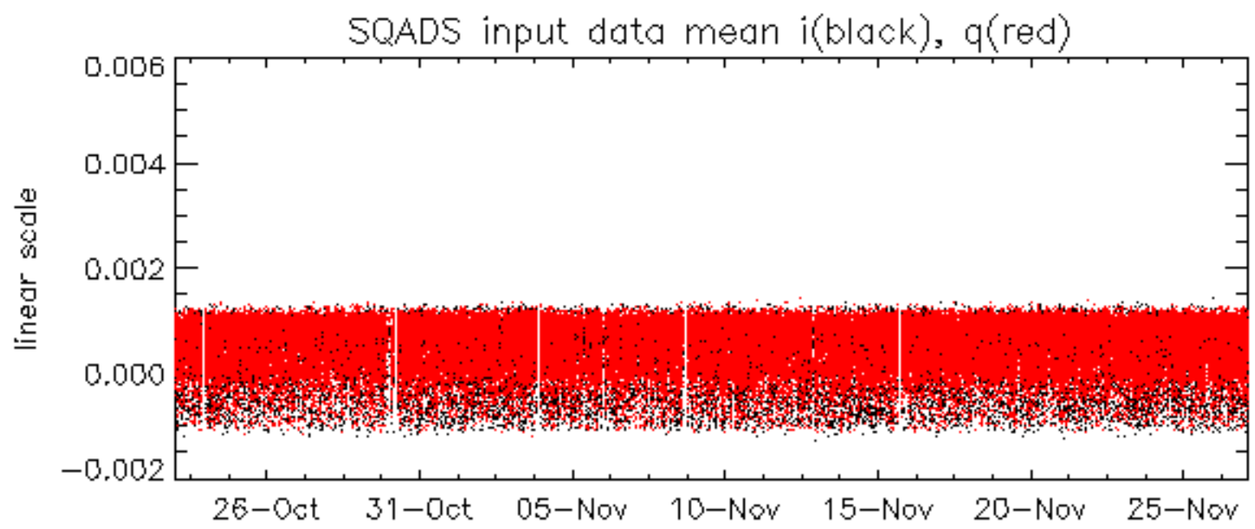
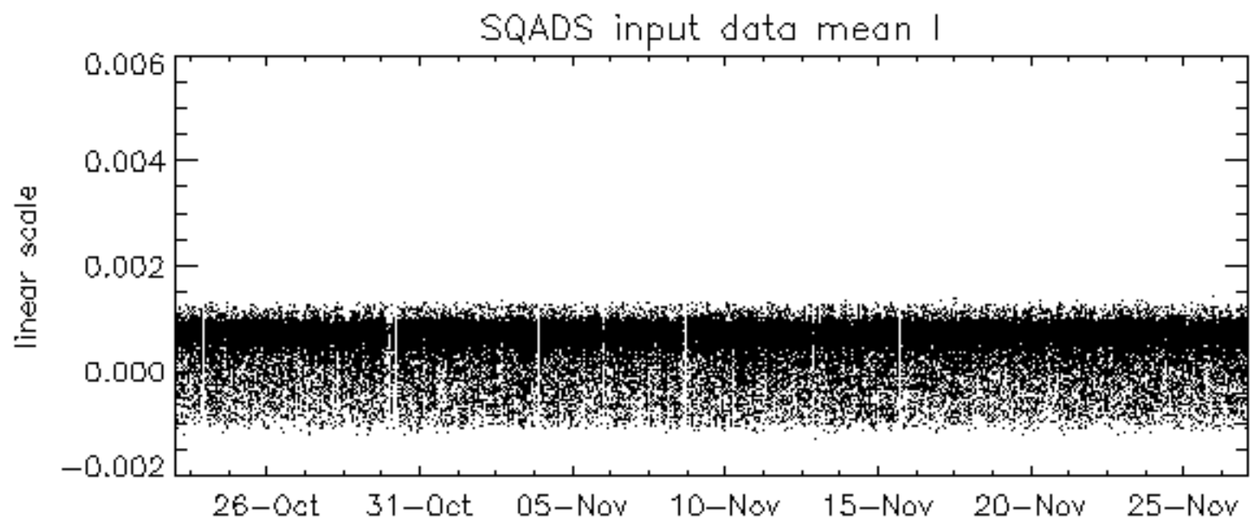
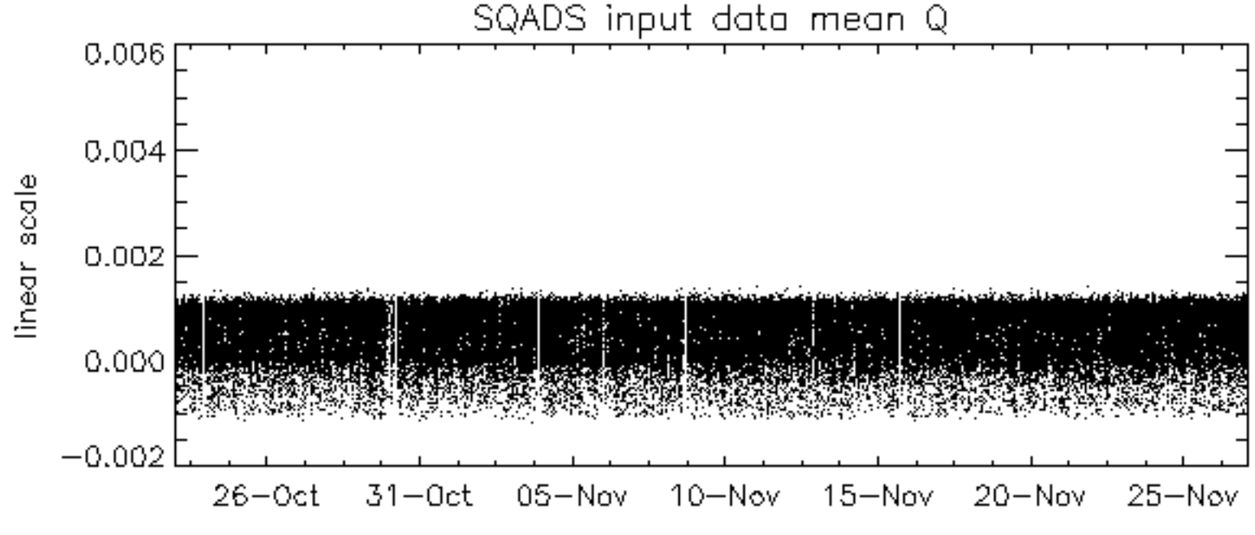
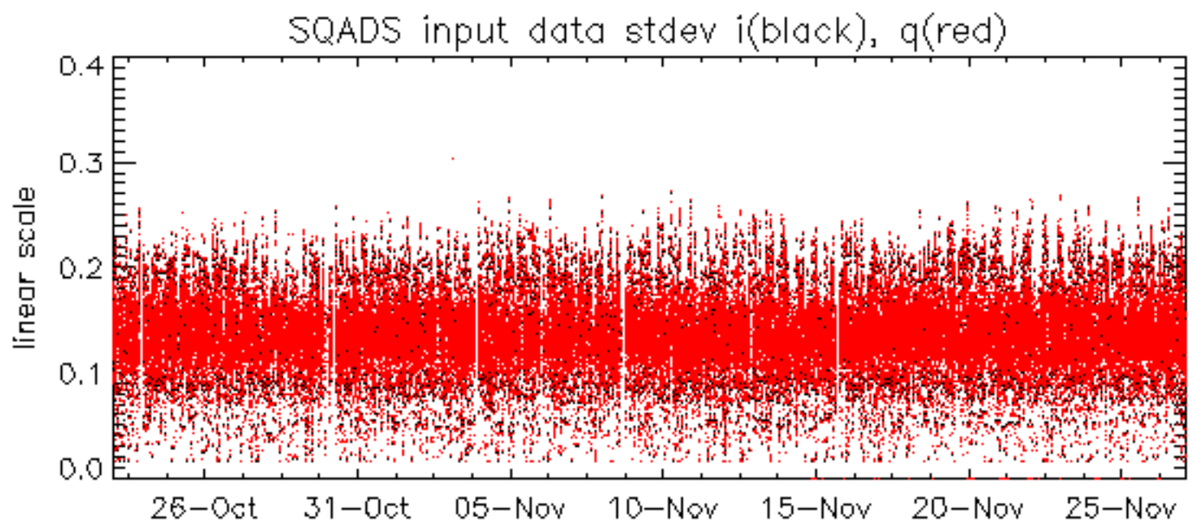
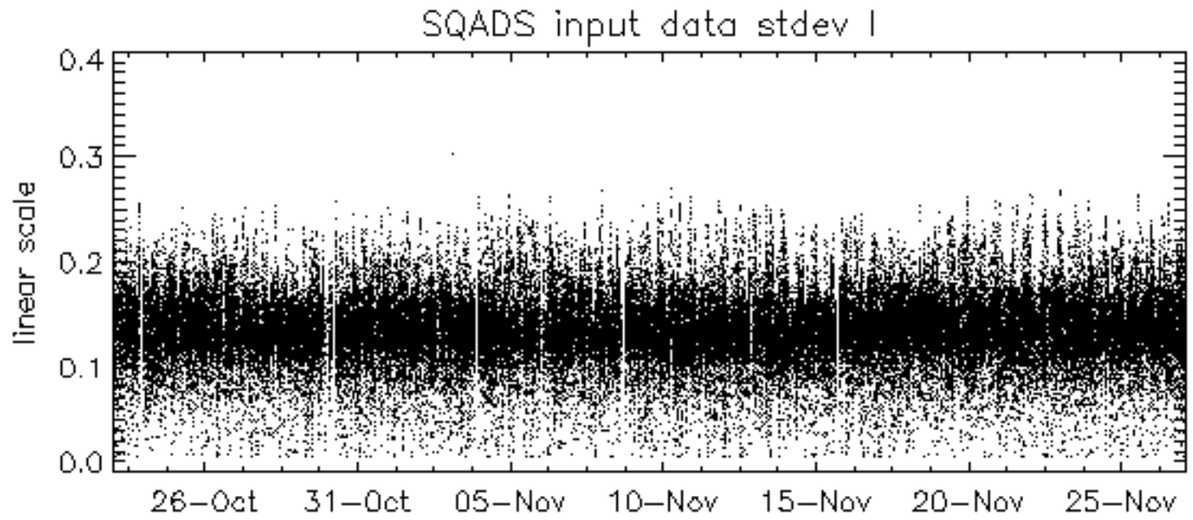

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

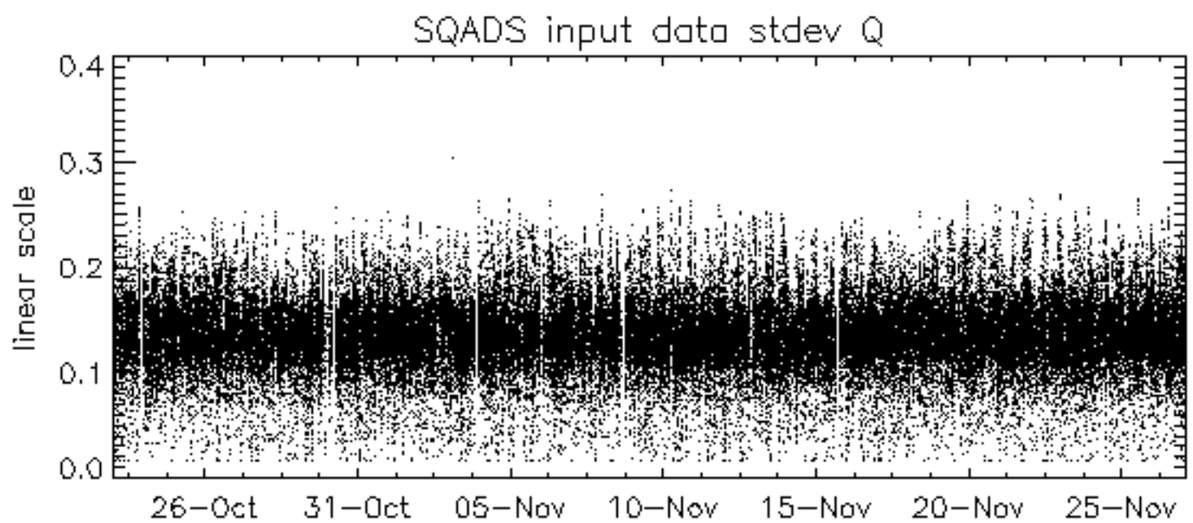

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov

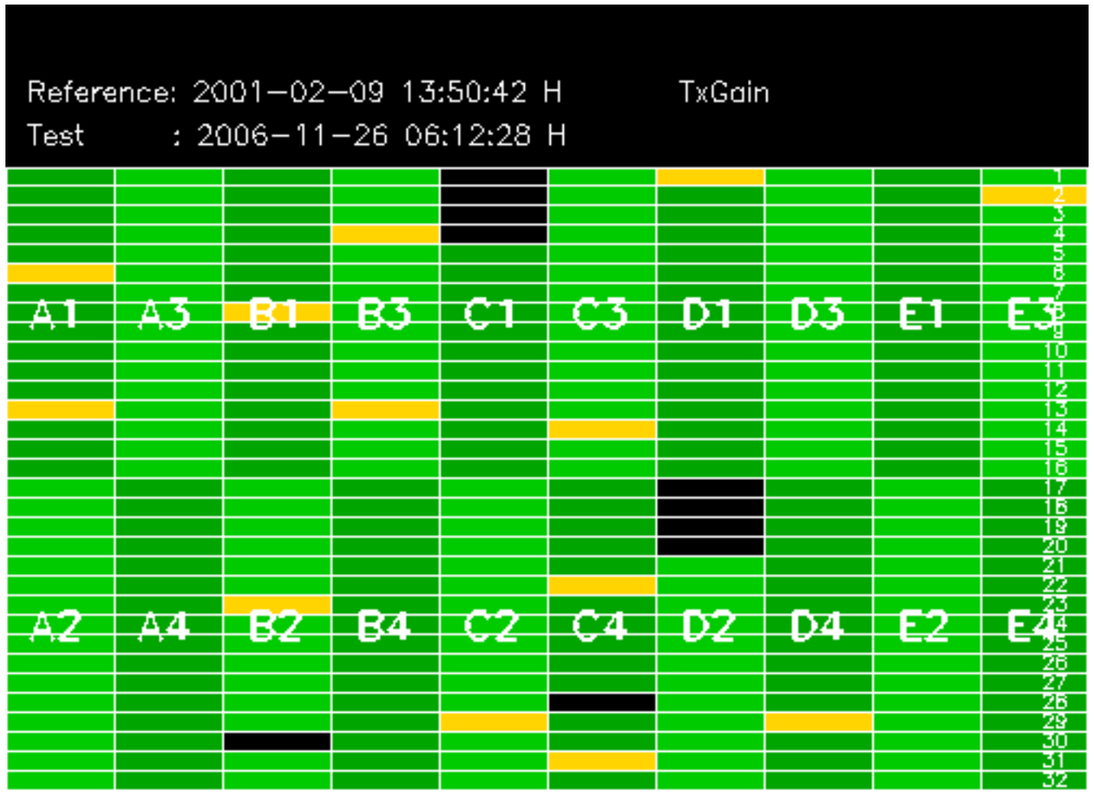

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
26-Oct
31-Oct
05-Nov
10-Nov
15-Nov
20-Nov
25-Nov


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26-Oct
31-Oct
05-Nov
10-Nov
15-Nov
20-Nov
25-Nov


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26-Oct
31-Oct
05-Nov
10-Nov
15-Nov
20-Nov
25-Nov


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-26 06:12:28 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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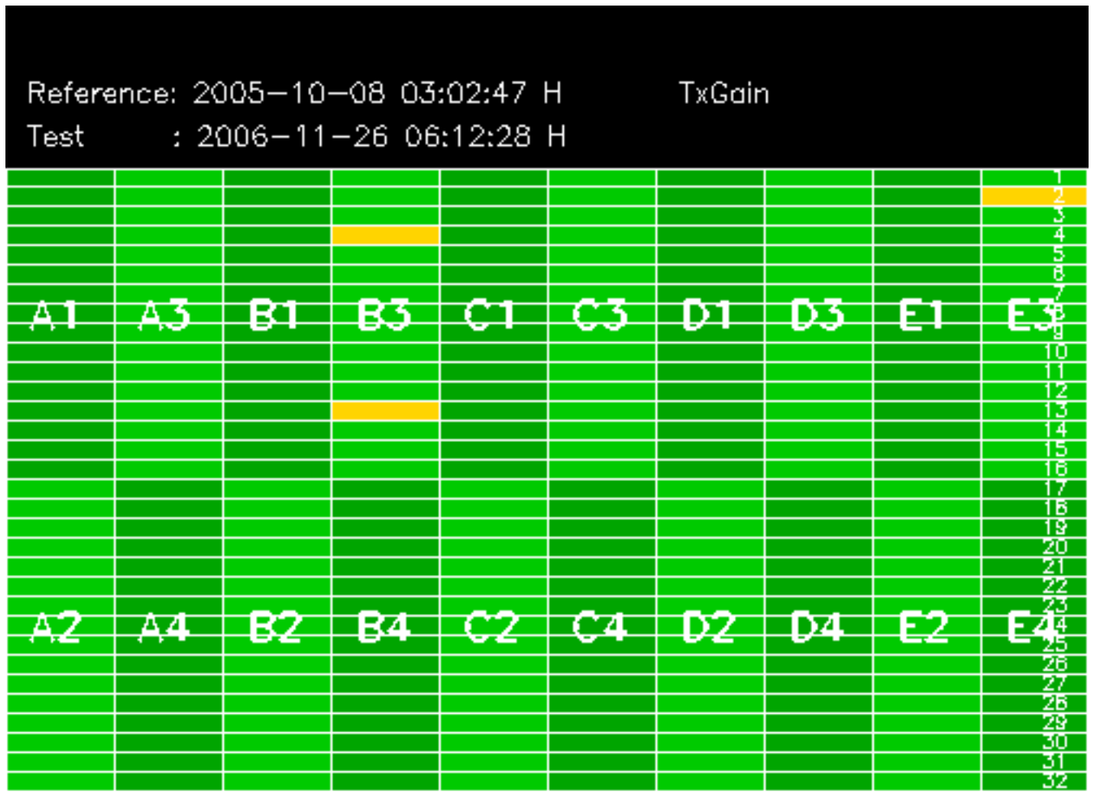
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-26 06:12:28 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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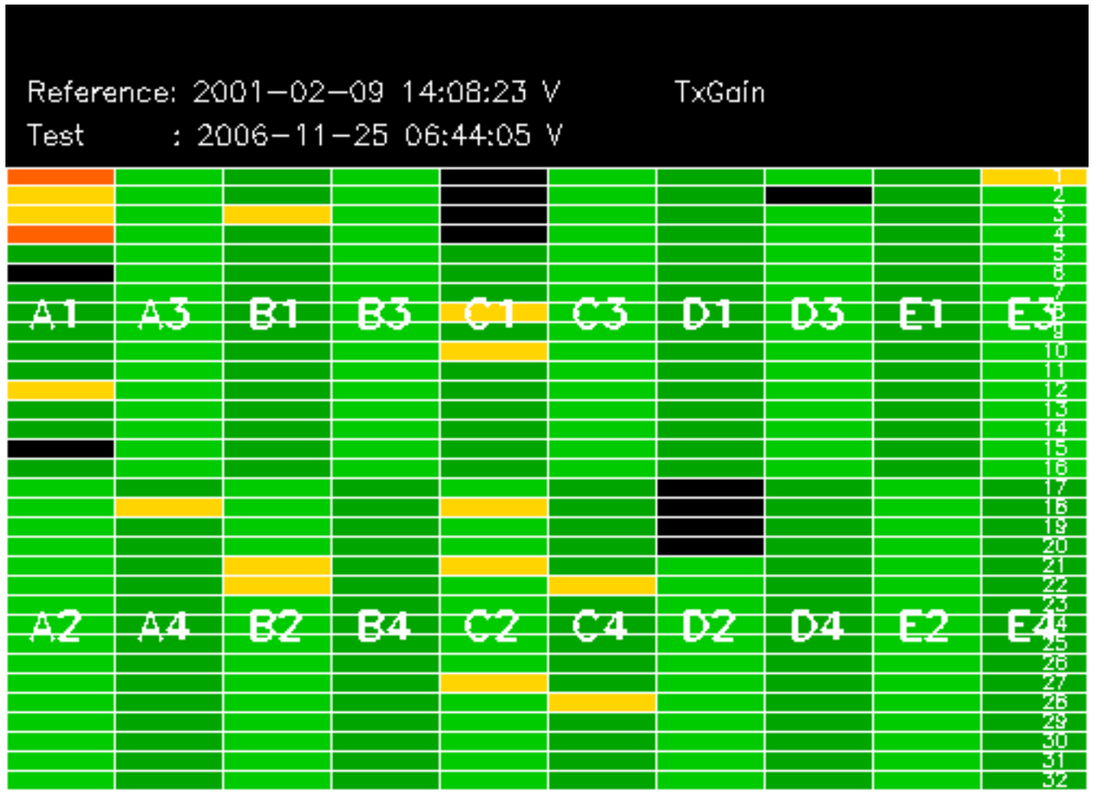
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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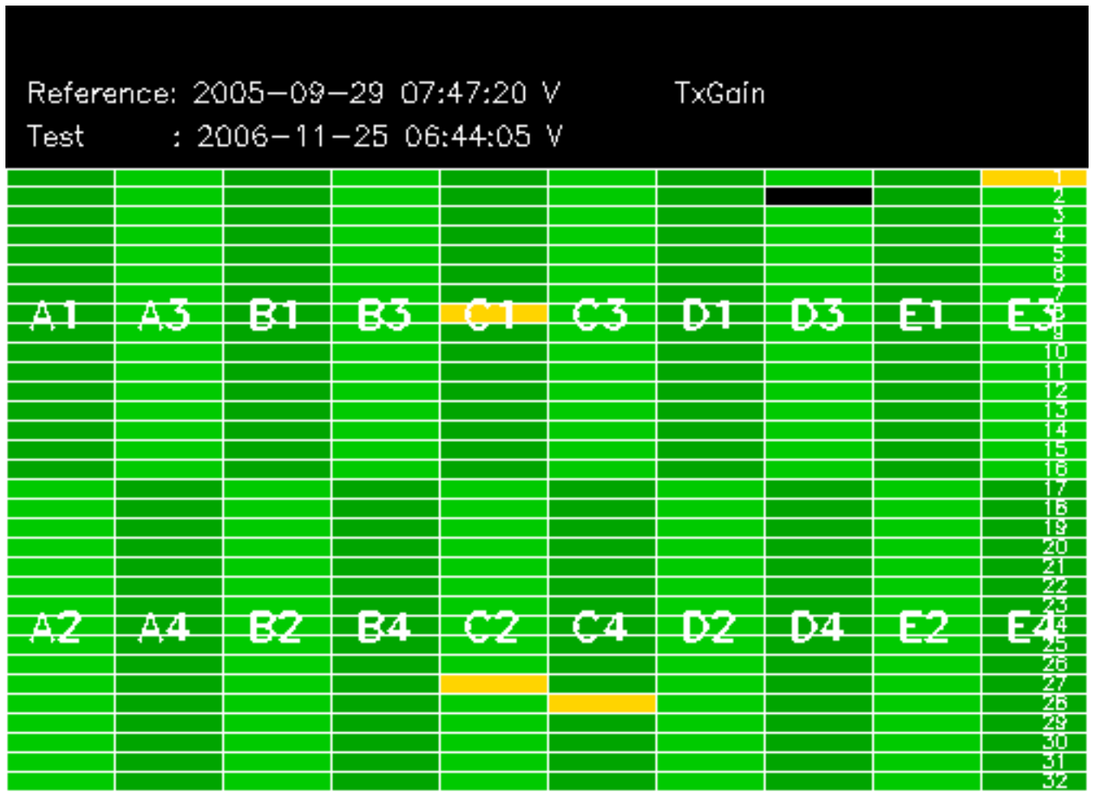
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
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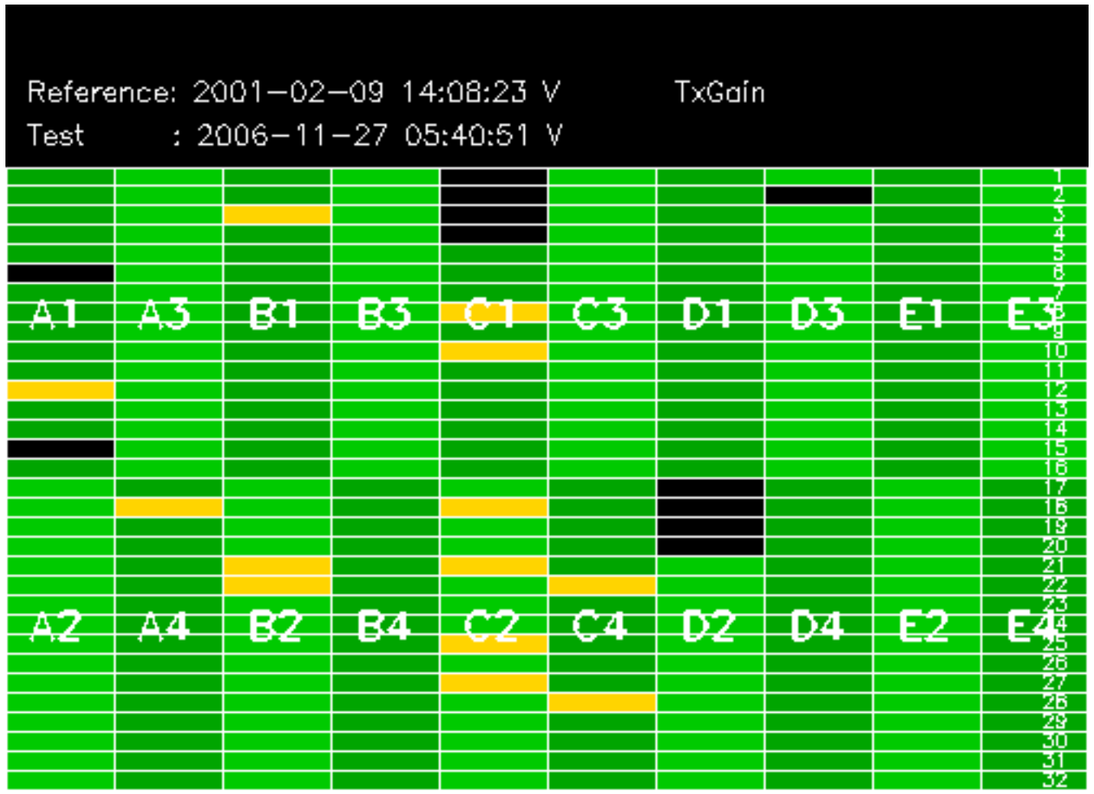
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
TxGain
A1
A3
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B3
C1
C3
D1
D3
E1
E3
A2
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C4
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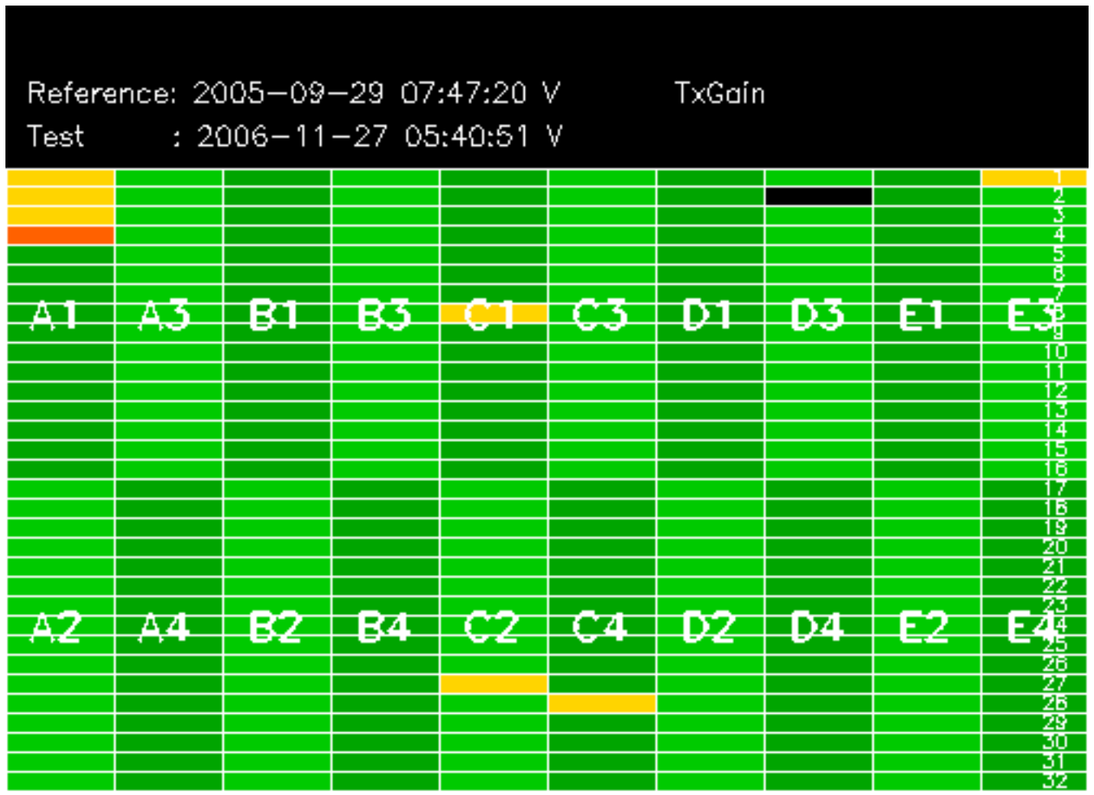
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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Summary of analysis for the last 3 days 2006112[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable 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_1PNPDE20061126_004059_000000622053_00174_24777_9130.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20061126_083104_000000352053_00179_24782_4085.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061125_112341_000001162053_00166_24769_8610.N1 </td> <td>0 </td> <td>14 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061125_144649_000000672053_00168_24771_8672.N1 </td> <td>0 </td> <td>34 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20061126_183459_000000862053_00185_24788_9879.N1 </td> <td>0 </td> <td>39 </td></tr>
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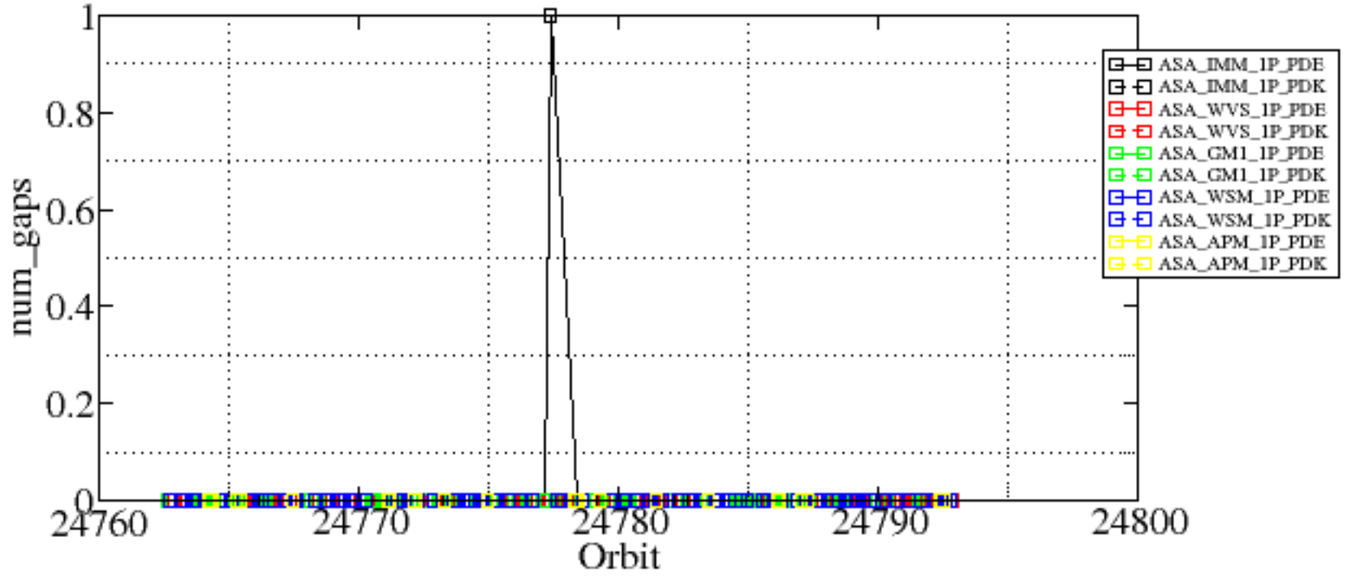
num_gaps
1
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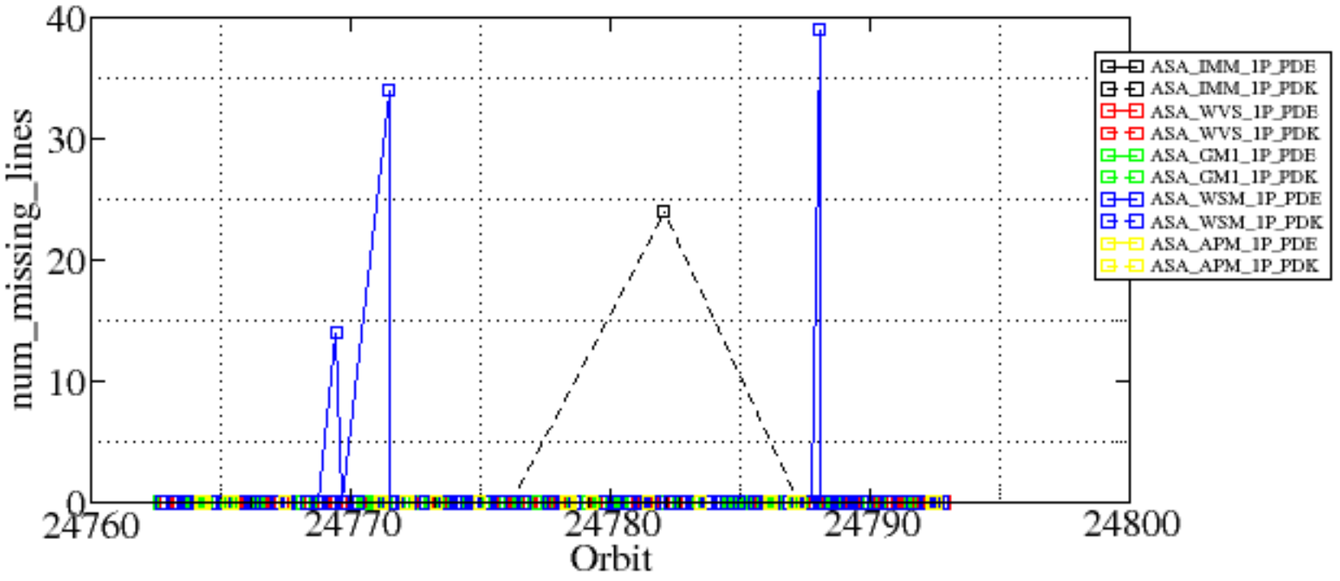
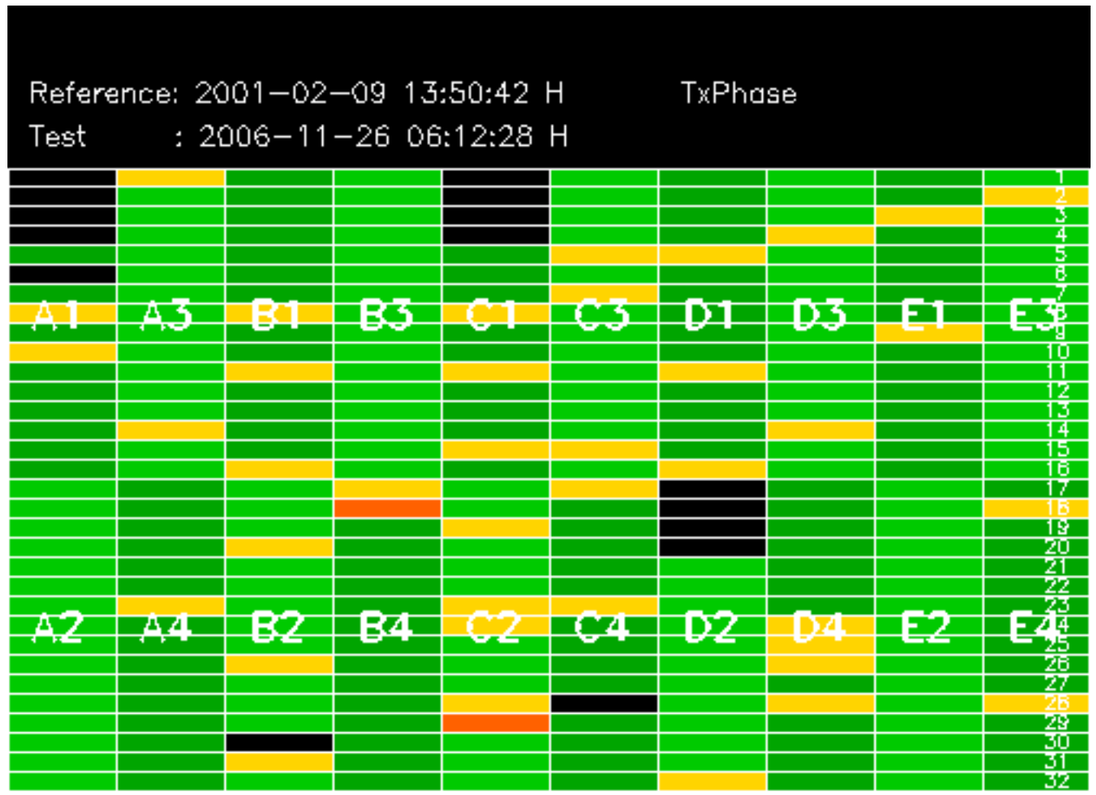
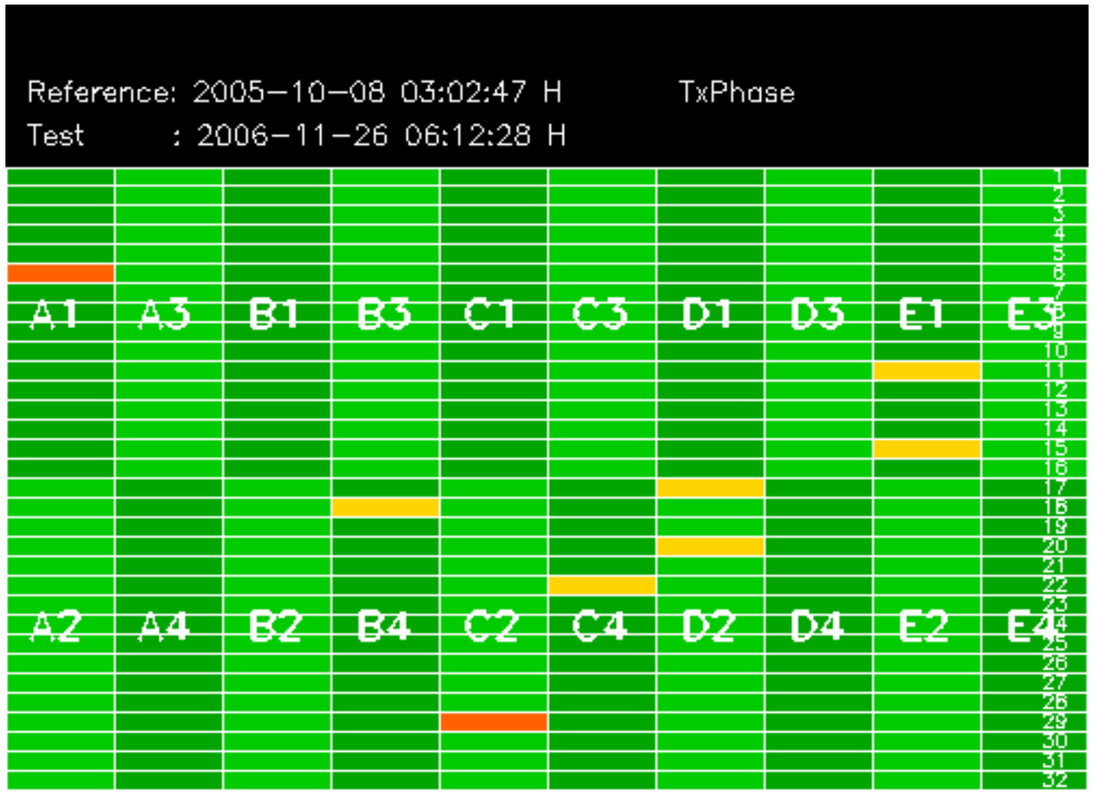
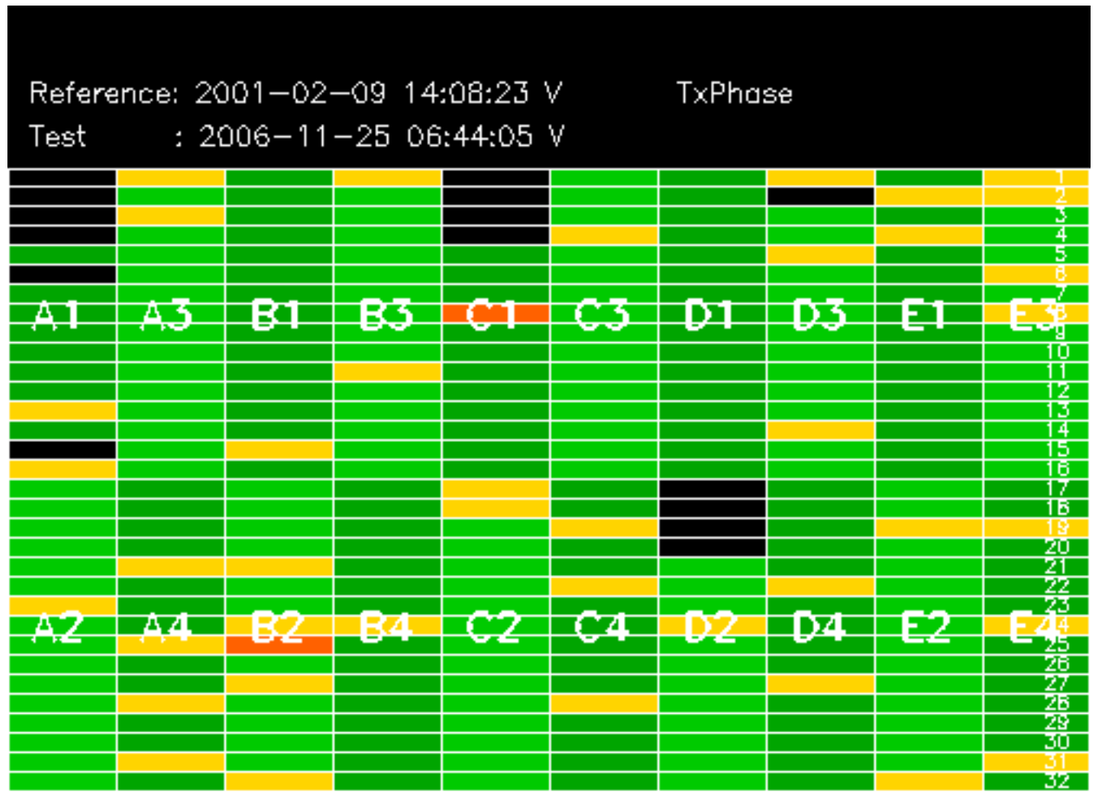
0.6
0.4
0.2
0
24760
24770
24780
24790
24800
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

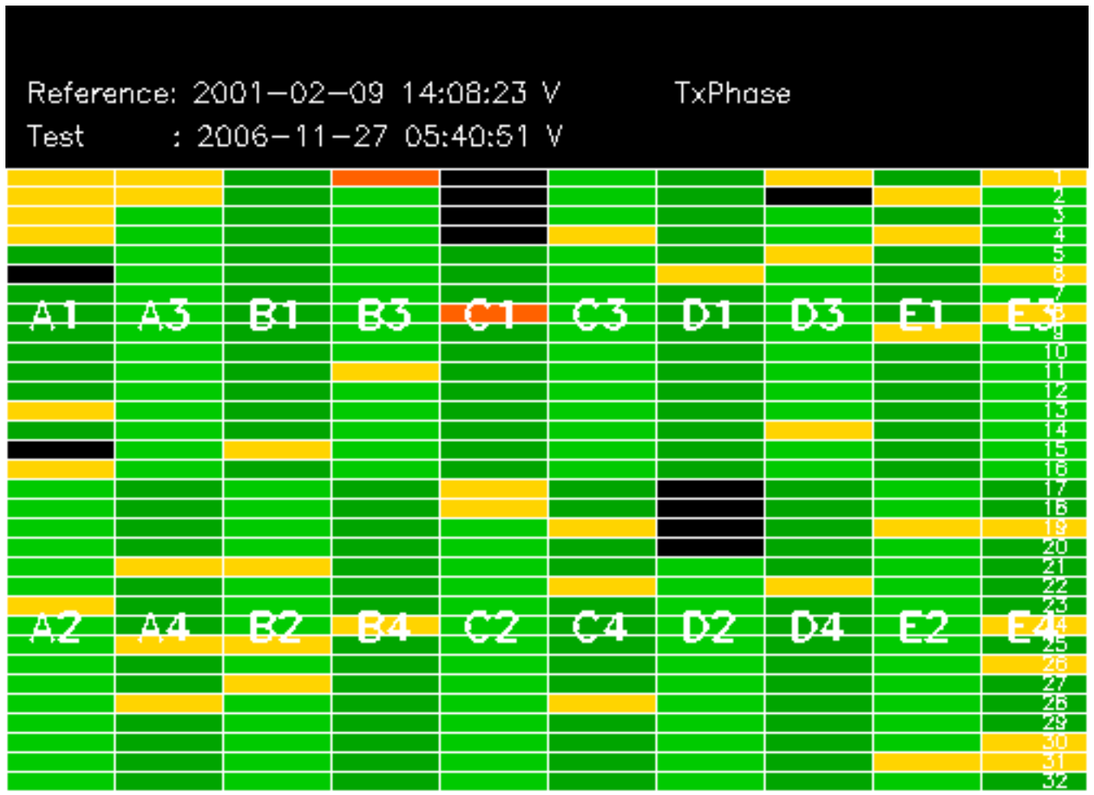

num_missing_lines
40
30
20
10
0
24760
24770
24780
24790
24800
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

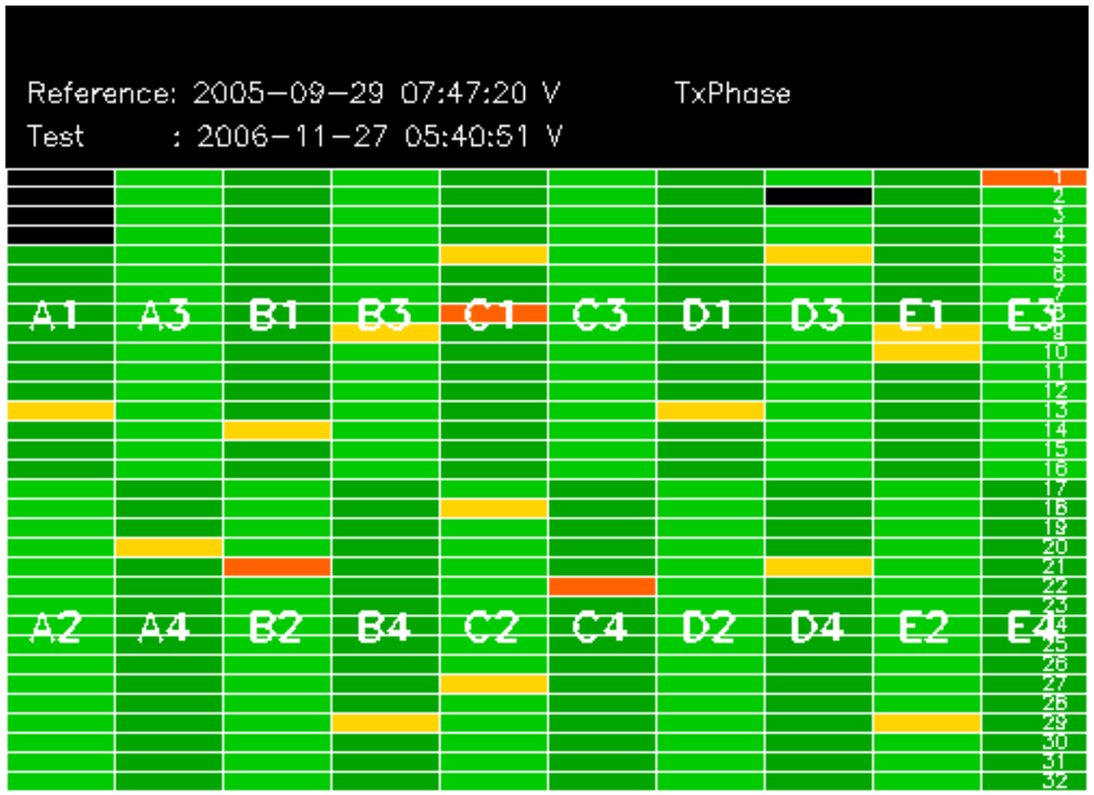

Reference: 2001-02-09 13:50:42 H
Test : 2006-11-26 06:12:28 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-26 06:12:28 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
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 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 : 2006-11-25 06:44:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-29 07:47:20 V
TxPhase
Test : 2006-11-27 05:40:51 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
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
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24
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26
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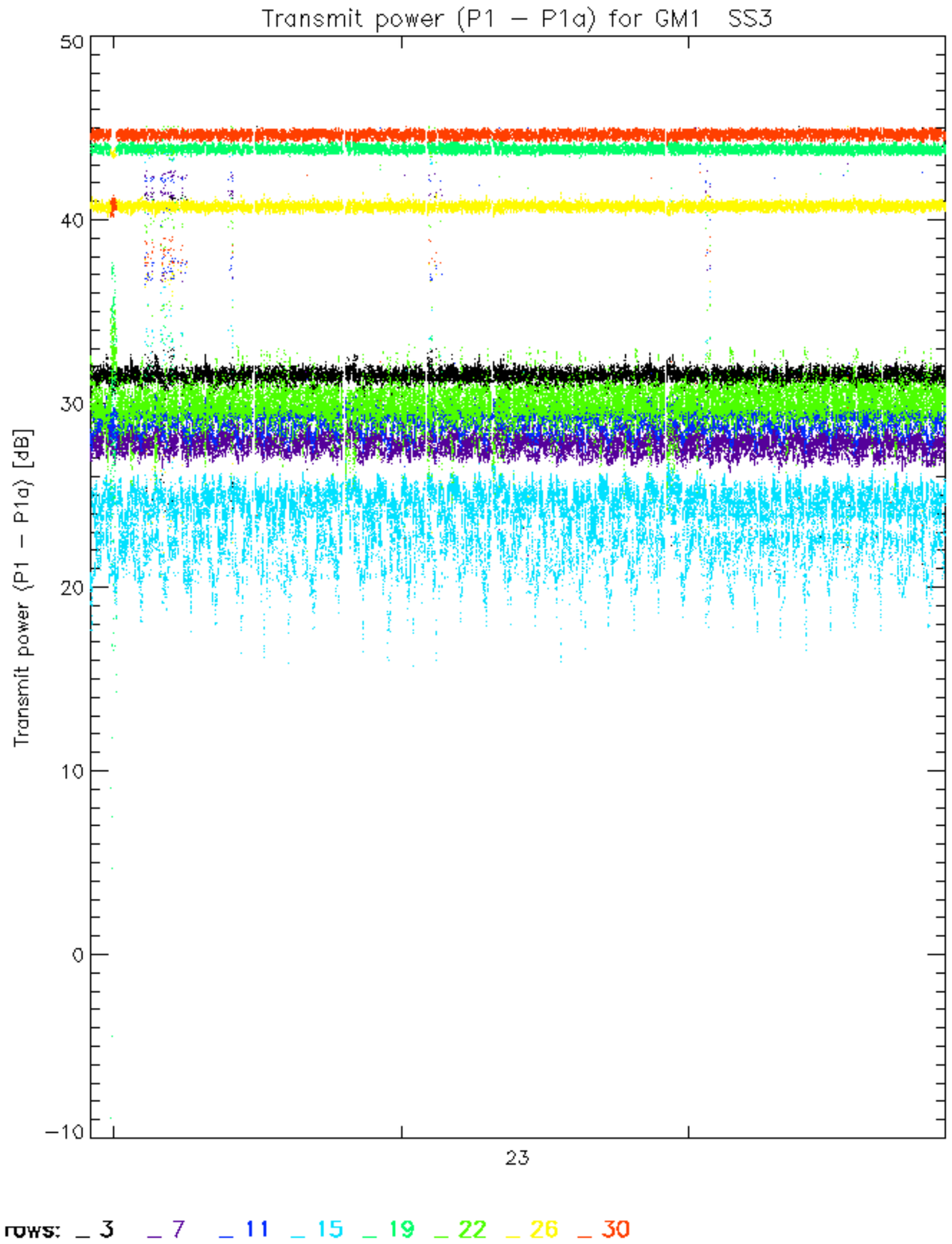
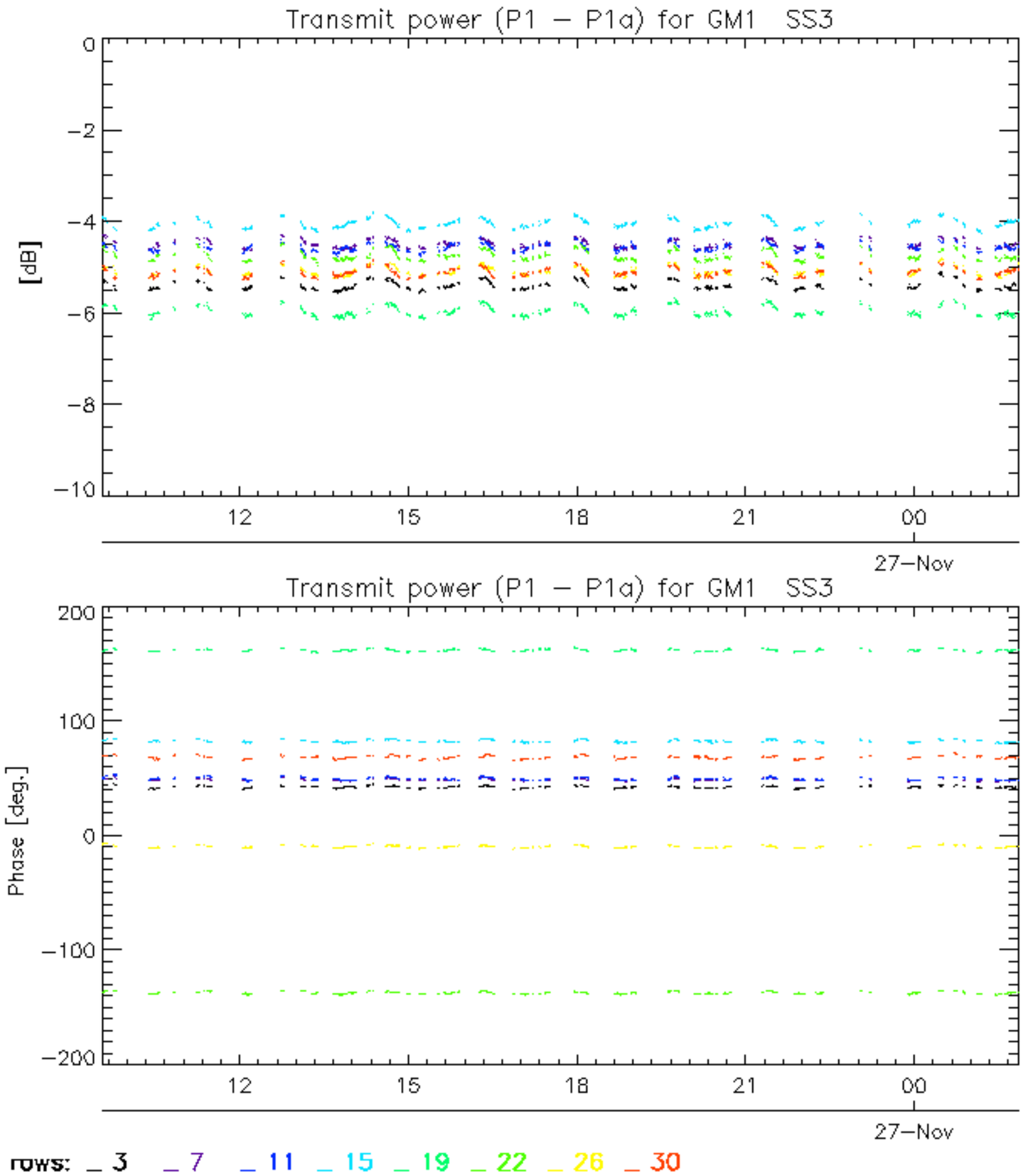
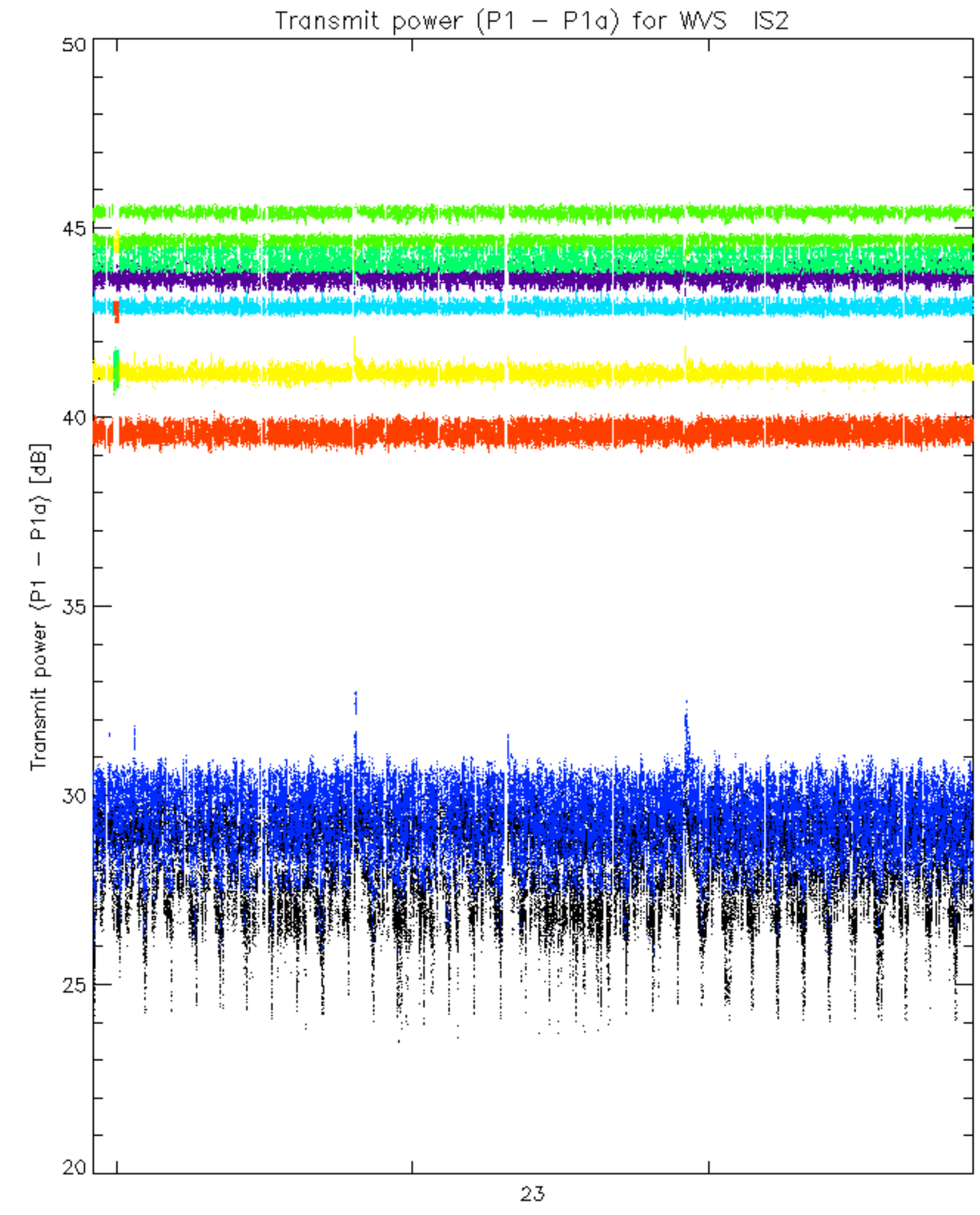
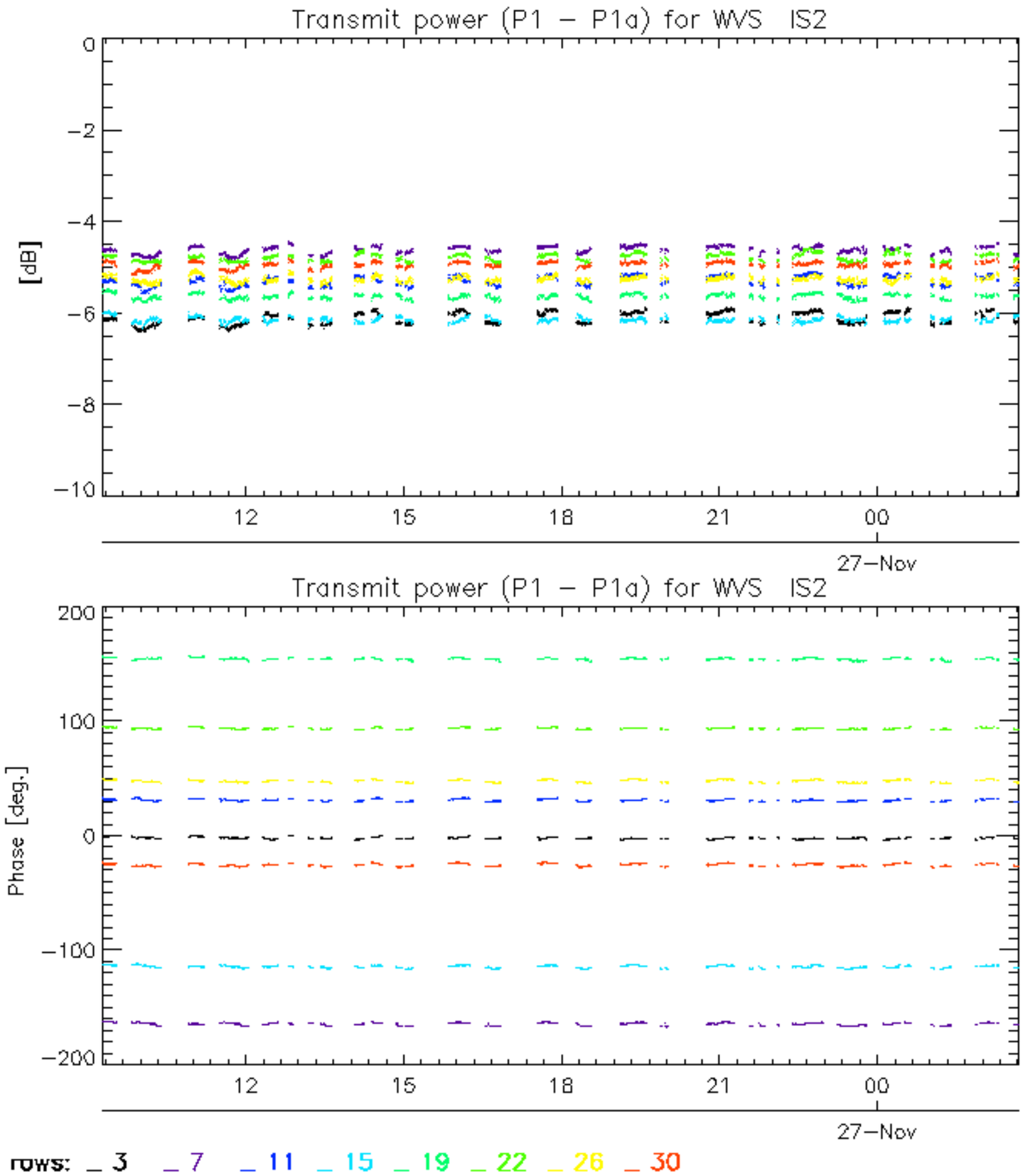
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
12
15
18
21
00
27–Nov
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
12
15
18
21
00
27–Nov
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
23
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.