PRELIMINARY REPORT OF 061109

last update on Thu Nov 9 16:36:30 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 2006-11-08 00:00:00 to 2006-11-09 16:36:30

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

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	36	66	21	8	25
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	36	66	21	8	25
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	36	66	21	8	25
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	66	21	8	25

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	39	57	20	9	50
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	39	57	20	9	50
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	39	57	20	9	50
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	39	57	20	9	50

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	20061109 100809
H	20061108 071834

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	-3.954444	0.009191	0.004121
7	P1	-3.115126	0.019323	-0.112713
11	P1	-4.114269	0.024499	-0.067965
15	P1	-6.250943	0.015271	-0.105624
19	P1	-3.599256	0.066026	-0.055712
22	P1	-4.651270	0.131862	-0.078949
26	P1	-3.997226	0.126904	0.108408
30	P1	-5.891332	0.240952	0.047977
3	P1	-16.554449	0.224370	0.291378
7	P1	-17.182358	0.184918	-0.300425
11	P1	-17.085423	0.429316	-0.220448
15	P1	-12.965591	0.118853	-0.343204
19	P1	-14.825966	0.374293	-0.305208
22	P1	-15.733290	0.501347	-0.580096
26	P1	-15.082411	0.231982	0.034982
30	P1	-17.184303	0.727398	-0.856003

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.839407	0.088130	-0.049533
7	P2	-21.743542	0.093843	0.051361
11	P2	-15.687094	0.106198	0.104482
15	P2	-7.096227	0.107488	-0.094023
19	P2	-9.159782	0.101318	-0.112905
22	P2	-18.187147	0.095457	-0.141214
26	P2	-16.484926	0.107277	-0.185838
30	P2	-19.470877	0.090137	-0.016776

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.218104	0.007620	-0.048430
7	P3	-8.218104	0.007620	-0.048430
11	P3	-8.218104	0.007620	-0.048430
15	P3	-8.218104	0.007620	-0.048430
19	P3	-8.218104	0.007620	-0.048430
22	P3	-8.218104	0.007620	-0.048430
26	P3	-8.218013	0.007639	-0.048284
30	P3	-8.218013	0.007639	-0.048284

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	-3.923879	0.178700	0.078787
7	P1	-2.614505	1.151325	0.381775
11	P1	-2.900501	0.142846	0.149617
15	P1	-3.699625	0.130634	0.102823
19	P1	-3.522888	0.140394	-0.068018
22	P1	-5.067402	0.104818	0.012439
26	P1	-5.998550	0.266092	-0.086538
30	P1	-5.300744	0.177348	-0.111094
3	P1	-11.752139	0.435438	0.200479
7	P1	-10.153768	1.460703	0.431576
11	P1	-10.414582	0.395145	0.386193
15	P1	-10.880034	0.532345	0.509960
19	P1	-15.748586	2.479202	-0.183917
22	P1	-21.160845	1.655990	-0.757058

26	P1	-15.947479	0.450360	-0.464157
30	P1	-17.977814	0.537110	0.331667

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.387808	0.270323	-0.285336
7	P2	-22.053474	1.496482	-0.714219
11	P2	-10.879143	0.239131	-0.252492
15	P2	-4.921907	0.073686	-0.152430
19	P2	-6.905963	0.147763	-0.167341
22	P2	-8.265777	0.488982	0.056833
26	P2	-24.176878	1.138785	-0.585827
30	P2	-21.882044	0.580987	-0.298095

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.069696	0.003294	-0.048303
7	P3	-8.069610	0.003269	-0.048248
11	P3	-8.069607	0.003276	-0.048820
15	P3	-8.069521	0.003273	-0.048013
19	P3	-8.069593	0.003277	-0.048334
22	P3	-8.069474	0.003280	-0.048598
26	P3	-8.069394	0.003269	-0.049324
30	P3	-8.069480	0.003278	-0.049485

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	0.000552519
	stdev	1.73143e-07
MEAN Q	mean	0.000519200
	stdev	2.18759e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137224
	stdev	0.00112063
STDEV Q	mean	0.137590
	stdev	0.00113810

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006110[789]
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_1PNPDK20061108_143314_000000352052_00425_24527_3678.N1	1	0
ASA_IMM_1PNPDK20061108_202032_000000362052_00429_24531_3691.N1	1	0
ASA_GM1_1PNPDK20061107_102250_000002232052_00409_24511_8176.N1	0	8
ASA_WSM_1PNPDE20061108_001656_000002632052_00417_24519_0001.N1	0	29

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

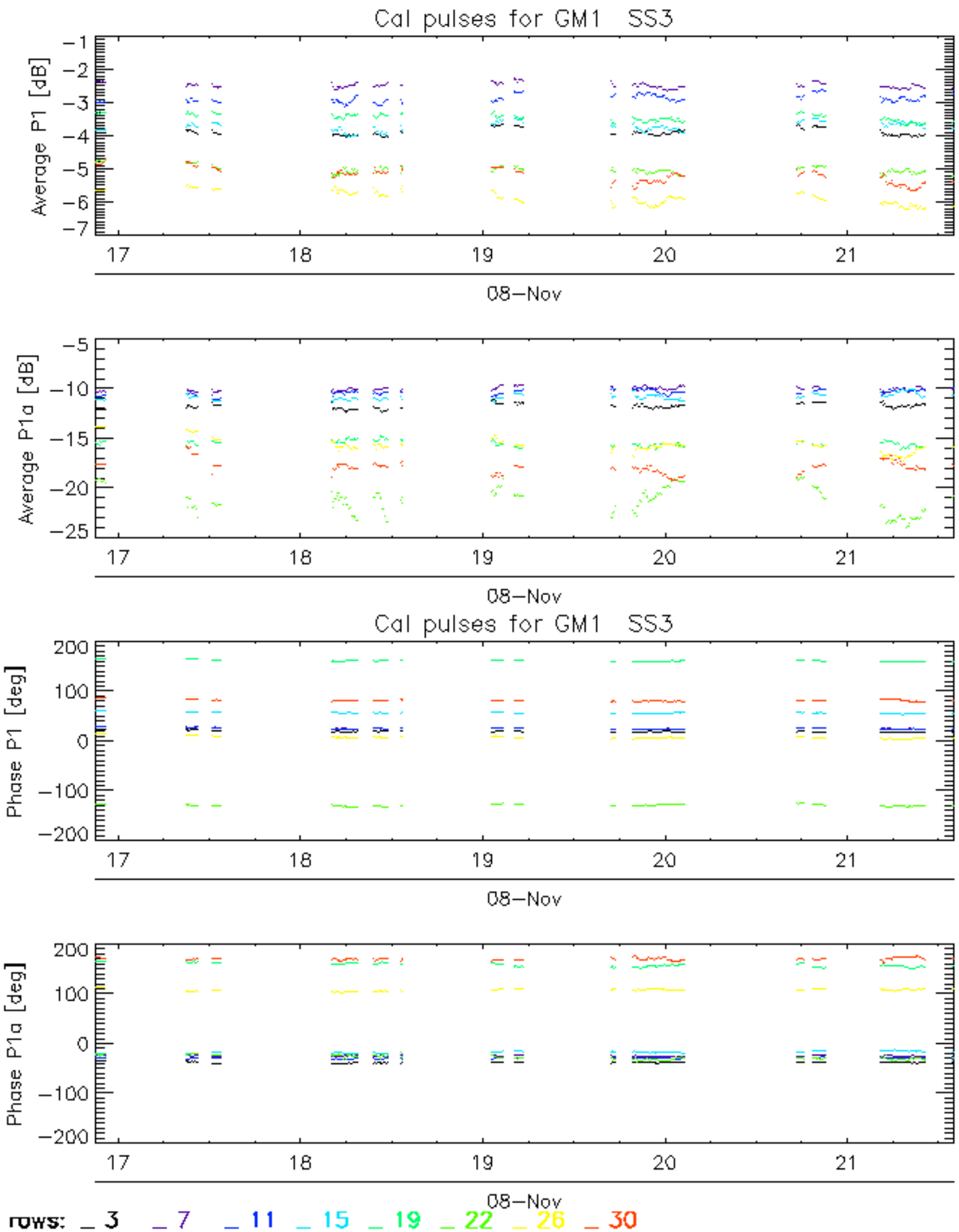
Evolution of Absolute Doppler

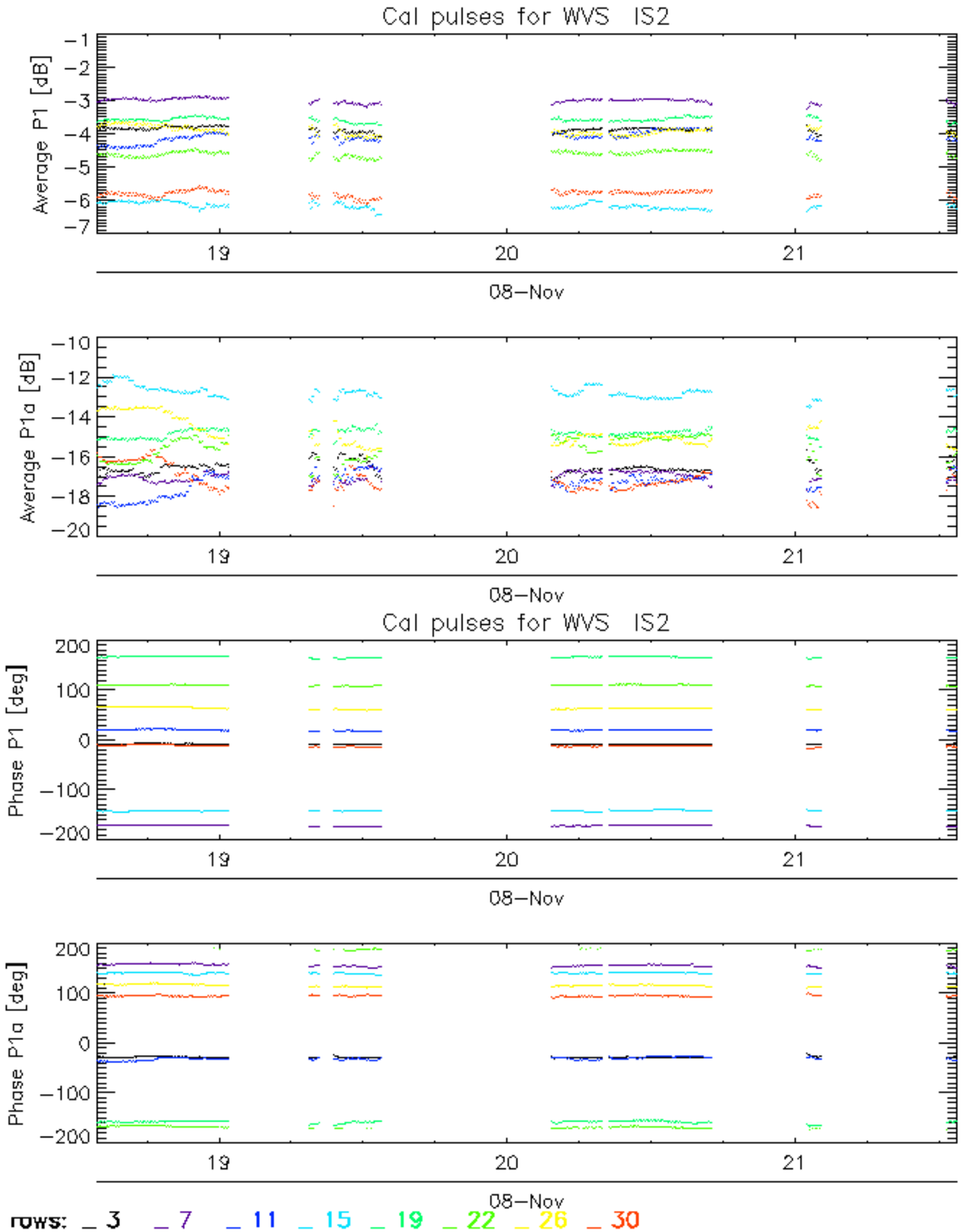
Acsending

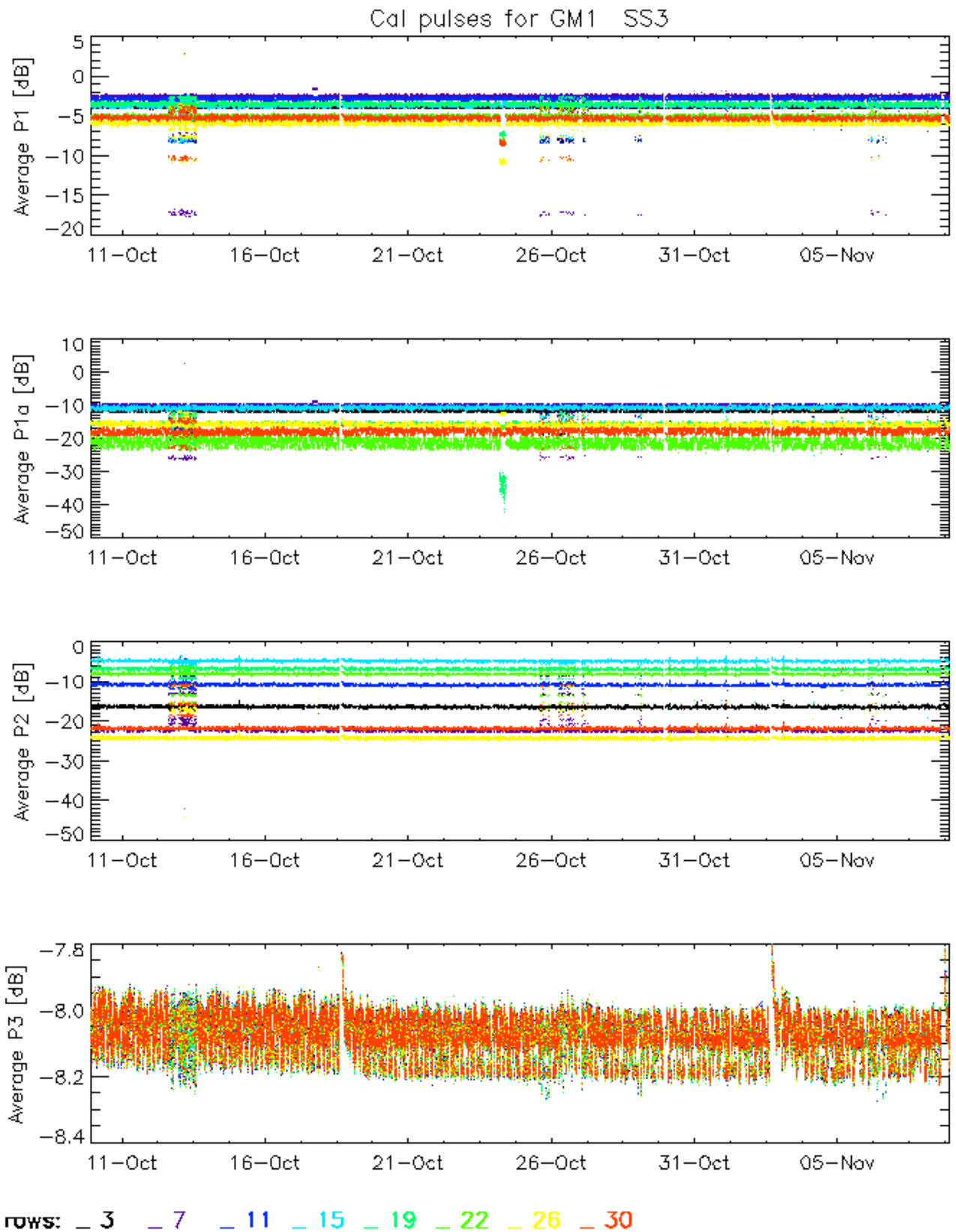
Descending

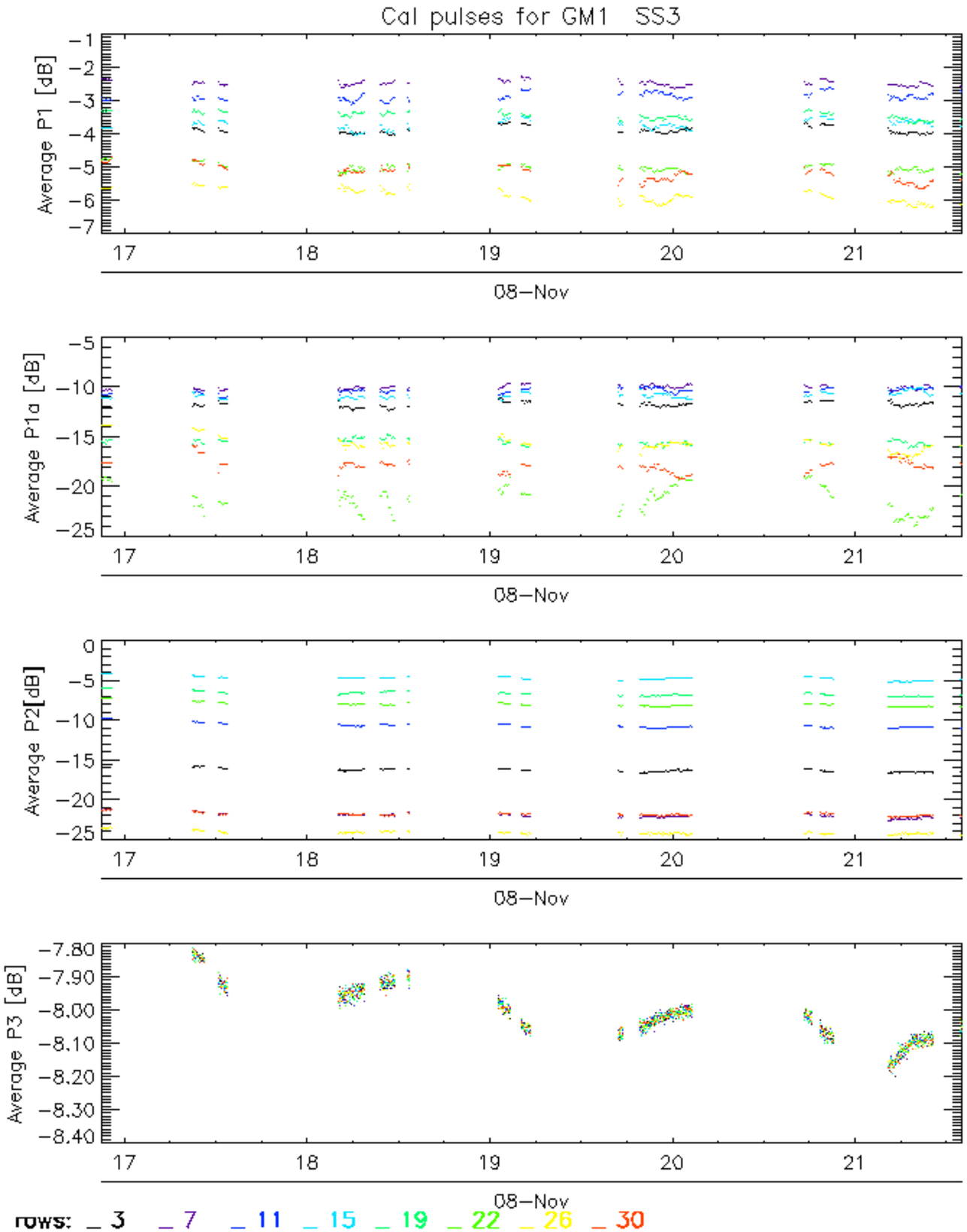
7.6 - Doppler evolution versus ANX for GM1

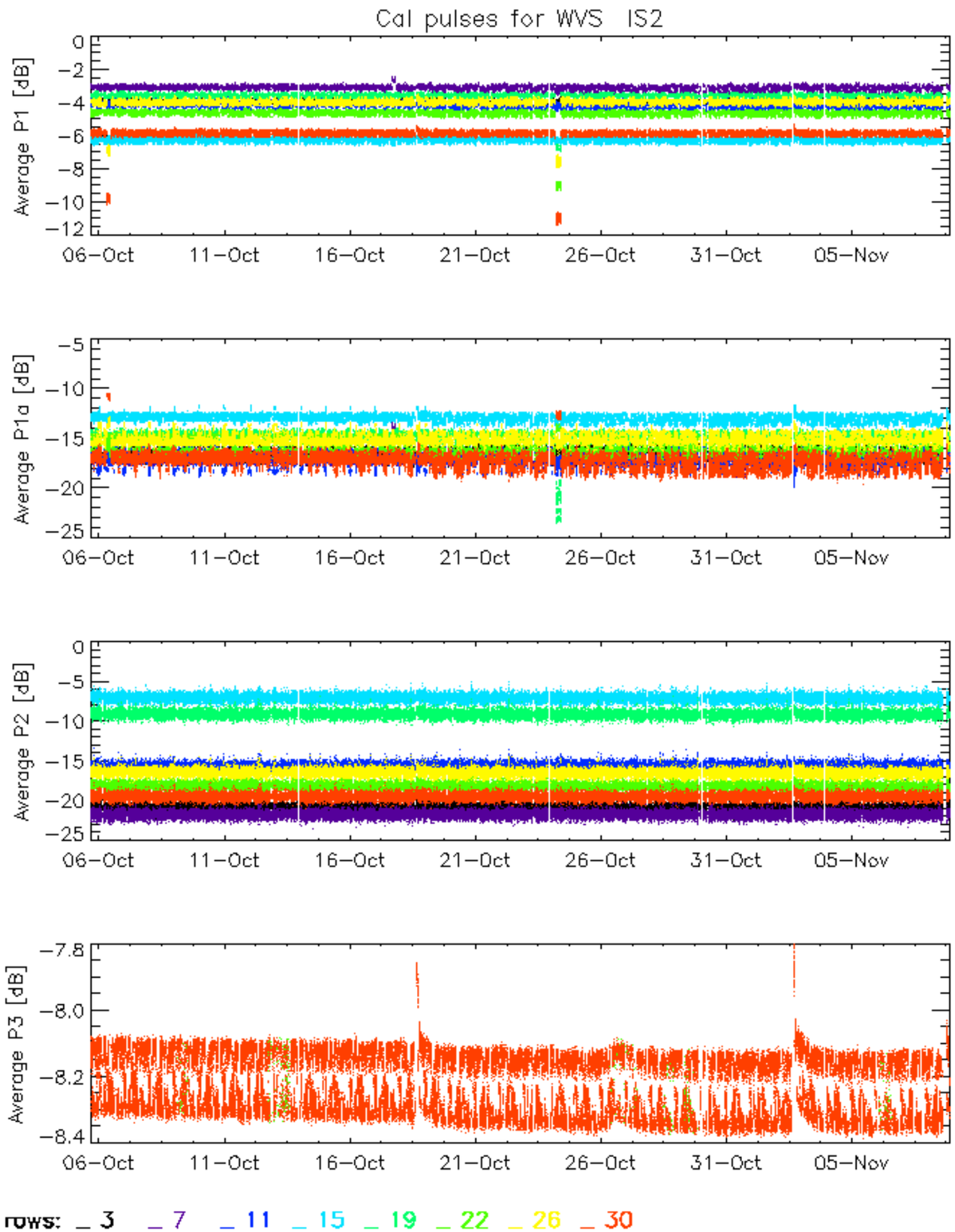
Evolution Doppler error versus ANX

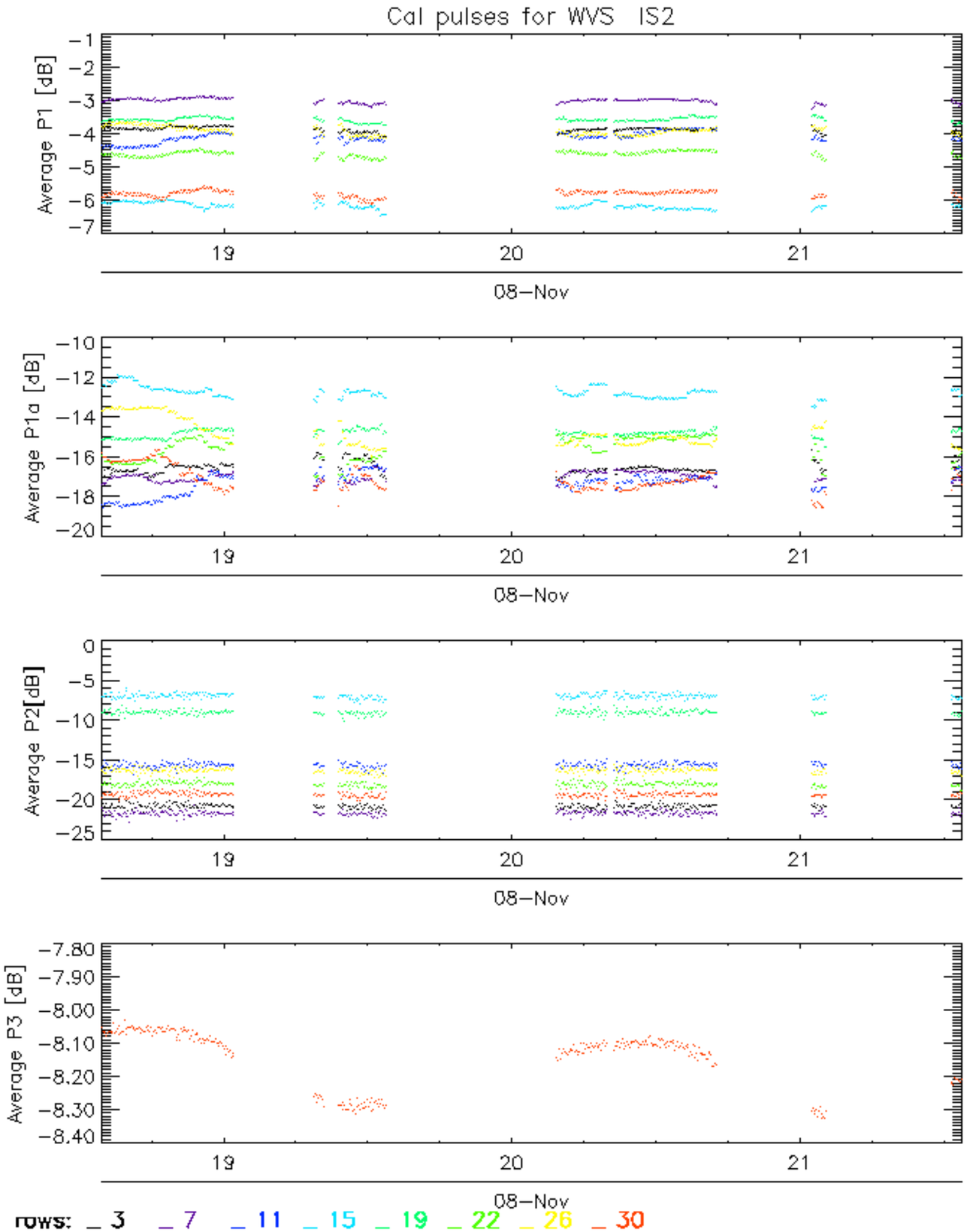


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
17
18
19
20
21
08−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
17
18
19
20
21
08−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
17
18
19
20
21
08−Nov
Phase P1a [deg]
200
100
0
−100
−200
17
18
19
20
21
08−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


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

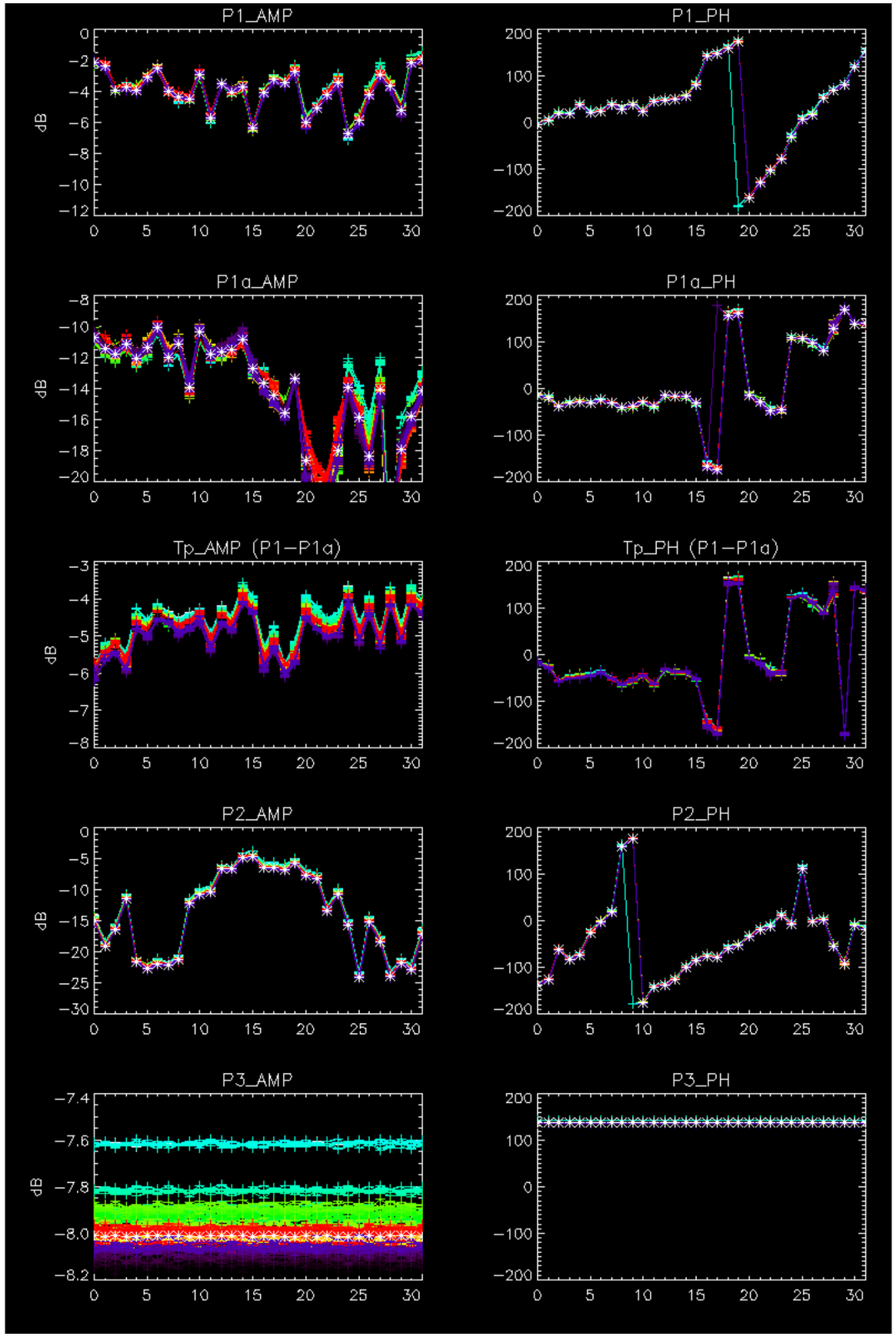

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
17
18
19
20
21
08−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
17
18
19
20
21
08−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
17
18
19
20
21
08−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
17
18
19
20
21
08−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

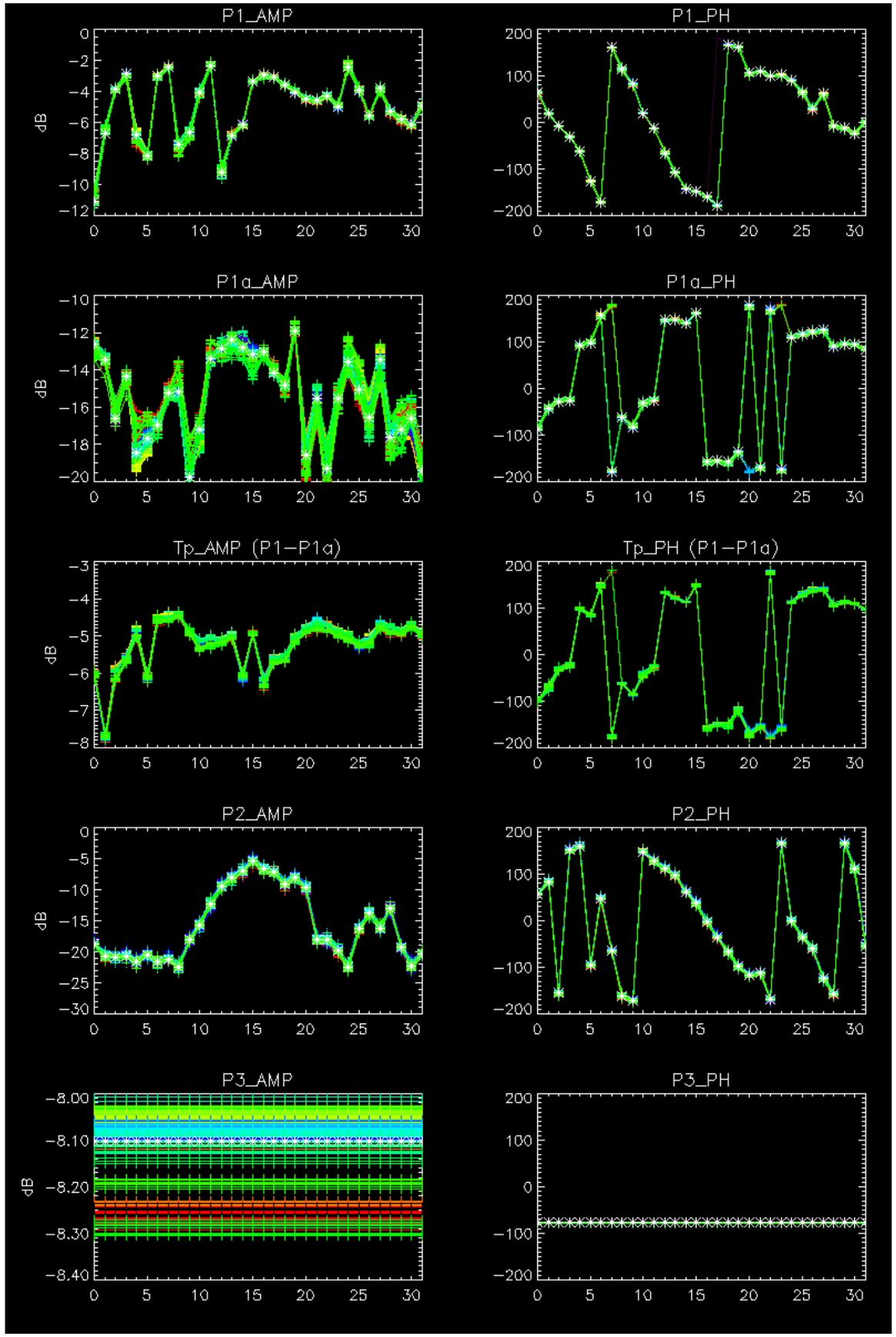

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
19
20
21
08−Nov
Average P1a [dB]
−10
−12
−14
−16
−18
−20
19
20
21
08−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
19
20
21
08−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
19
20
21
08−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

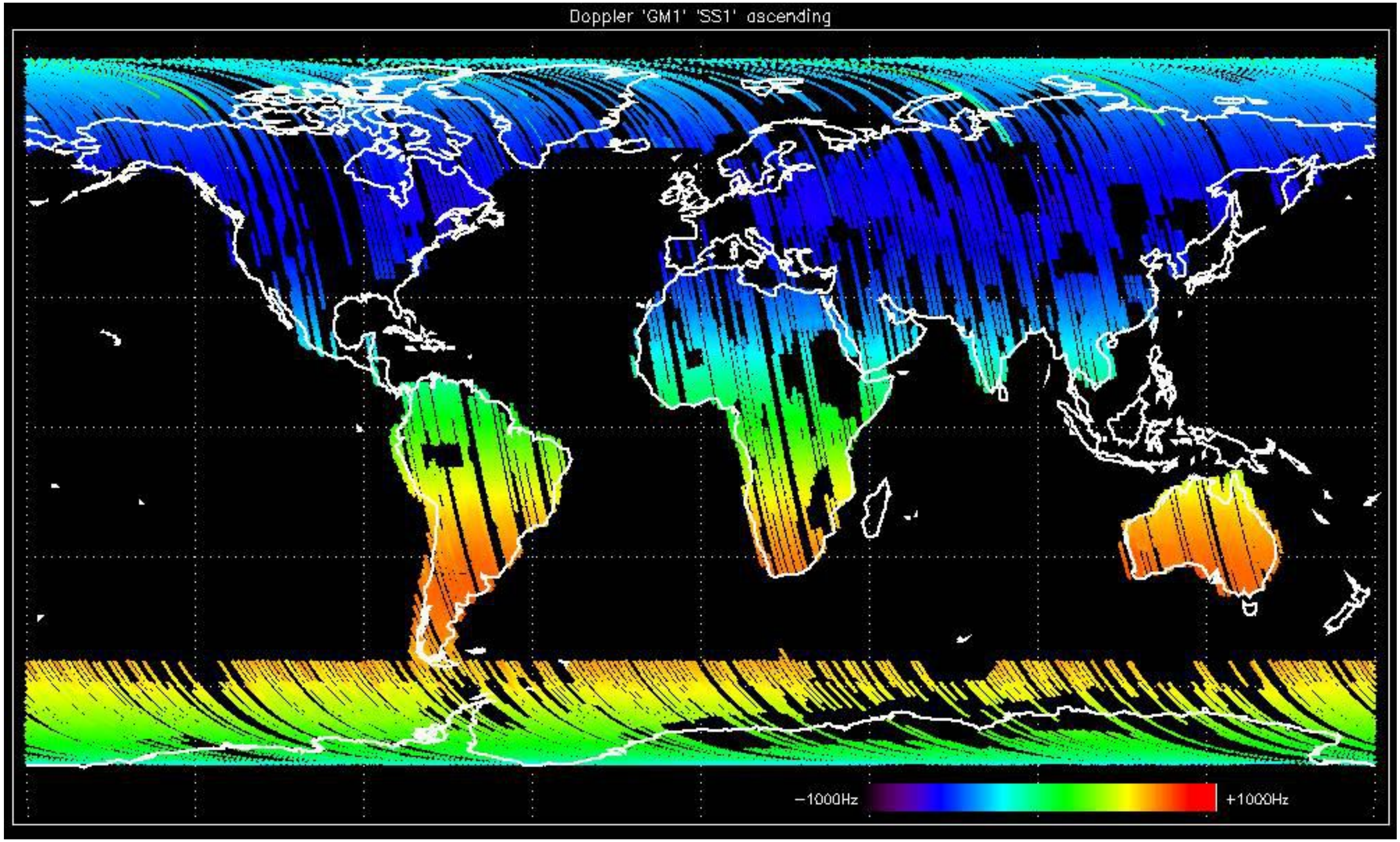
No anomalies observed.

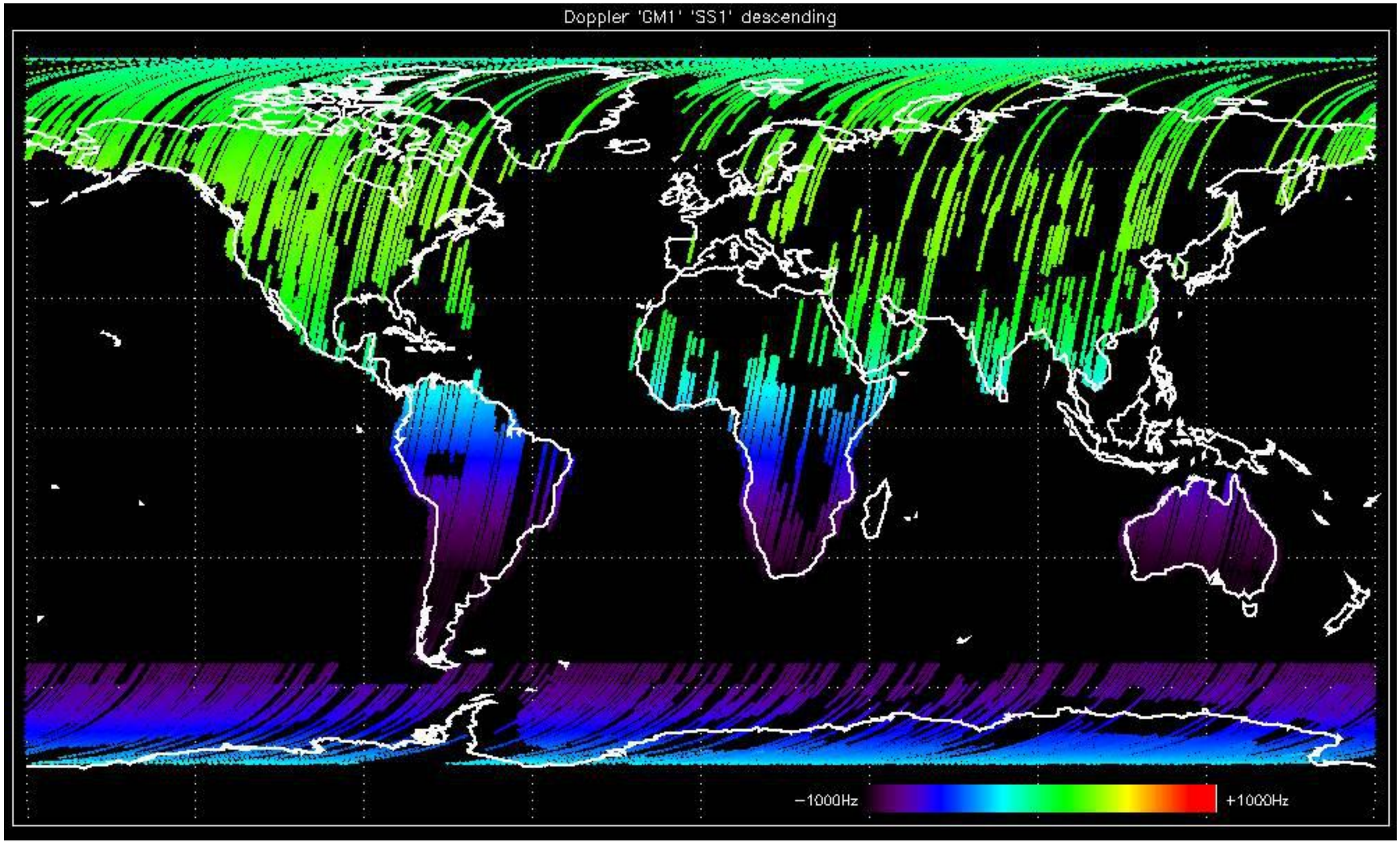

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

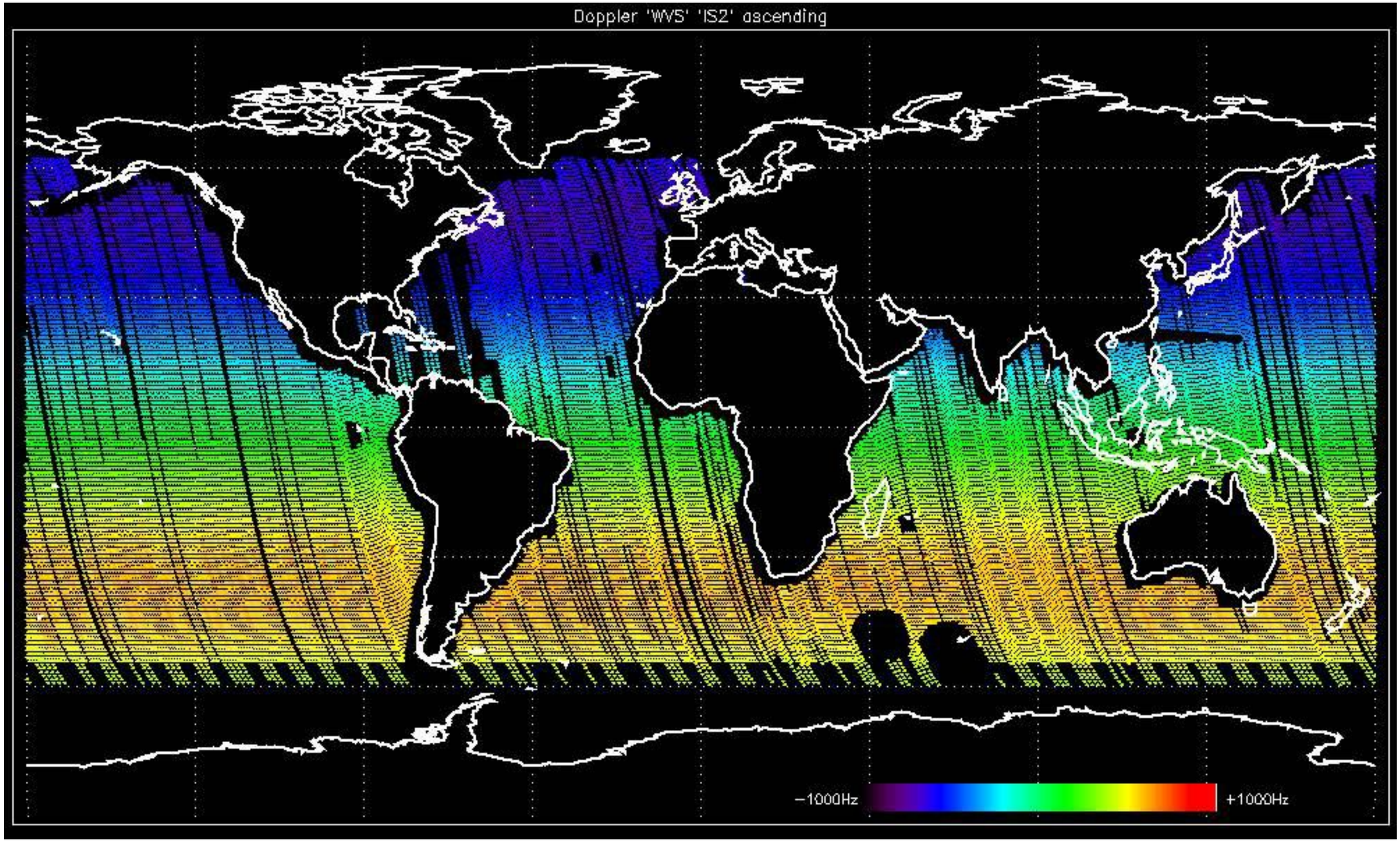

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

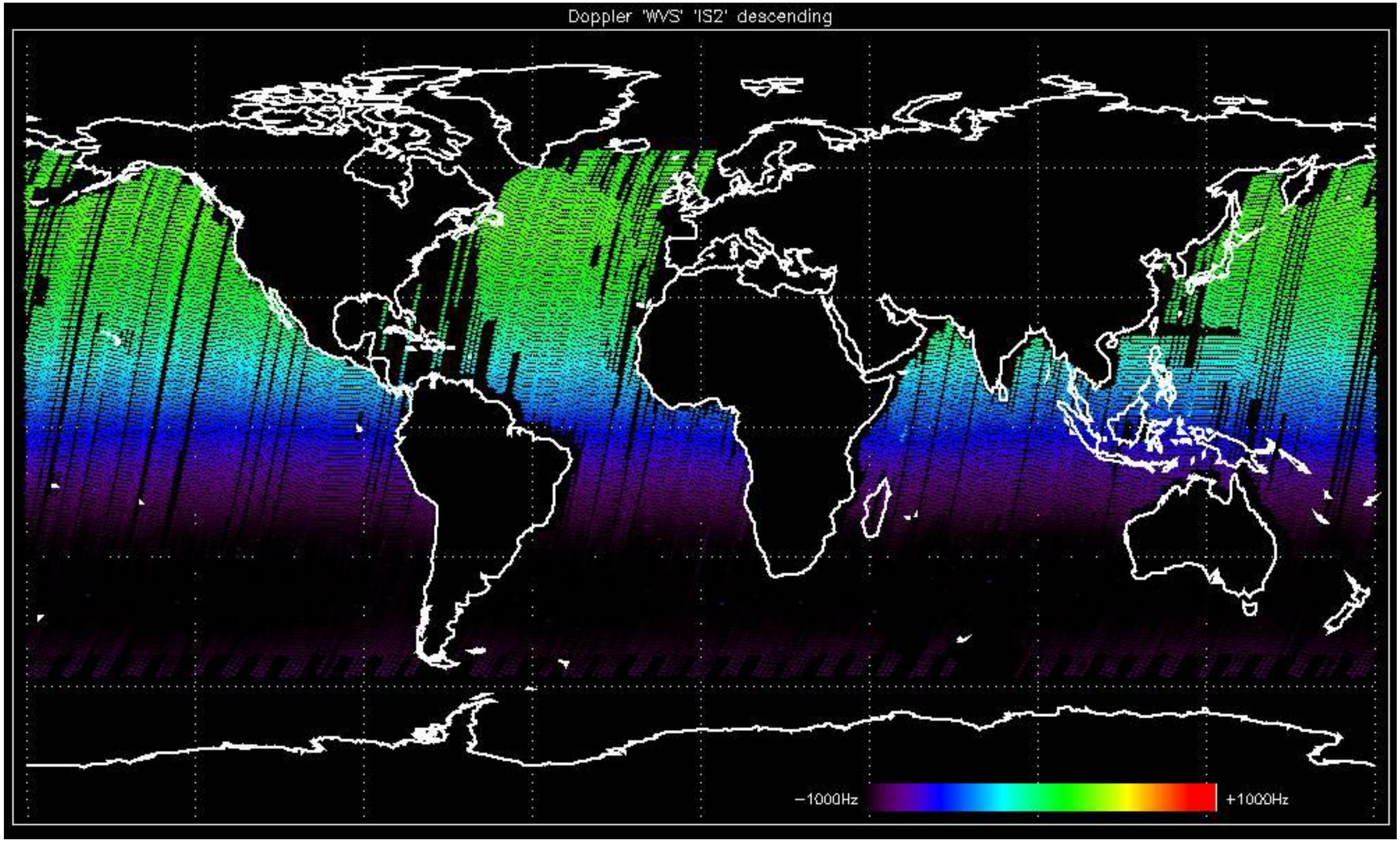
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

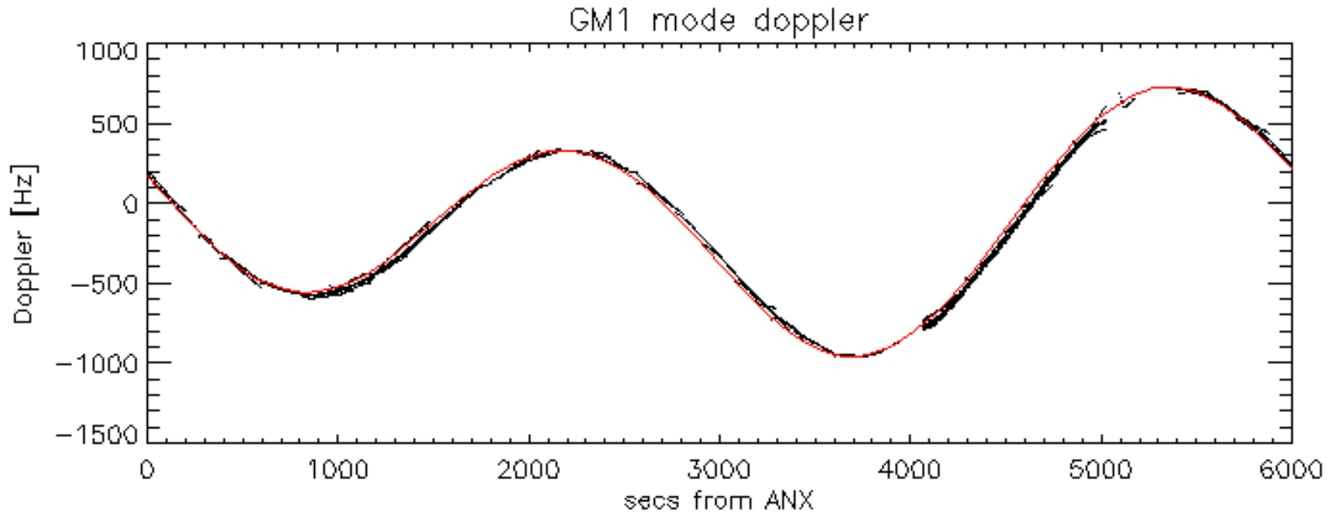
Preliminary report.The data is not yet controled

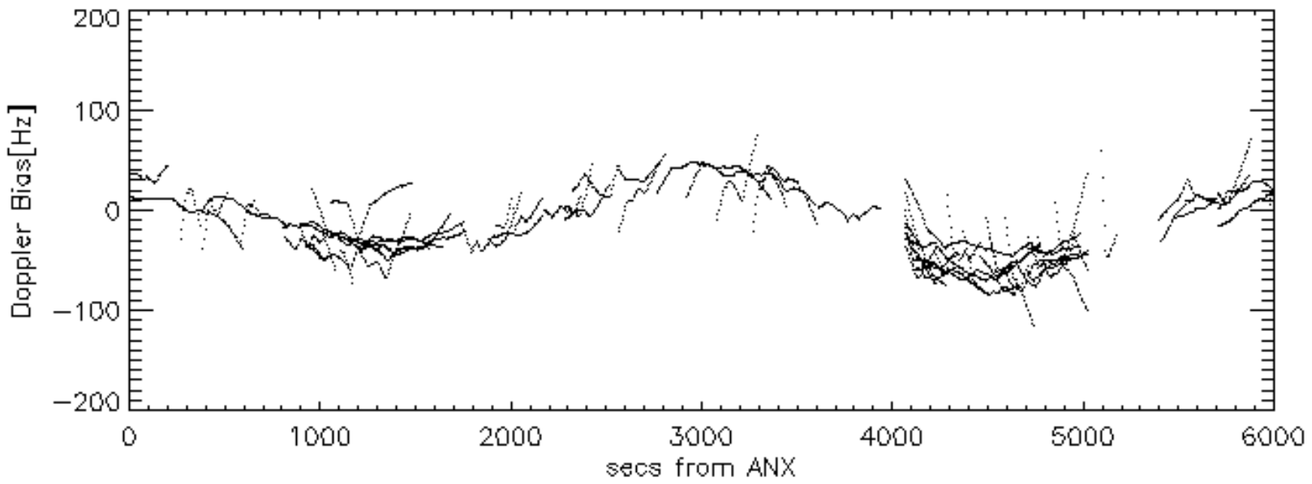

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

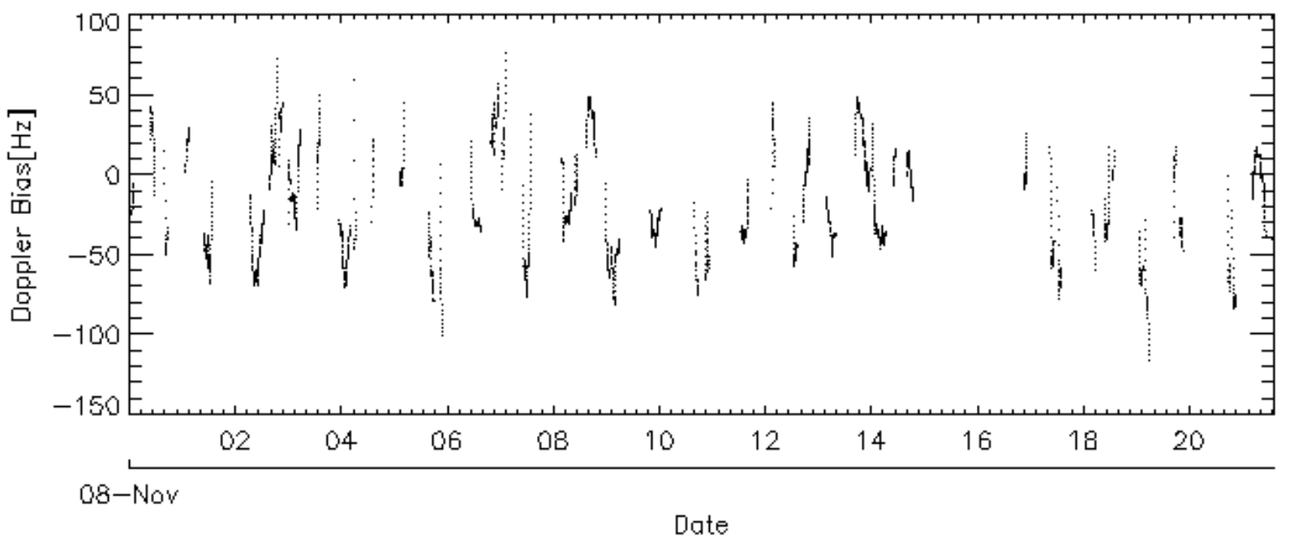

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

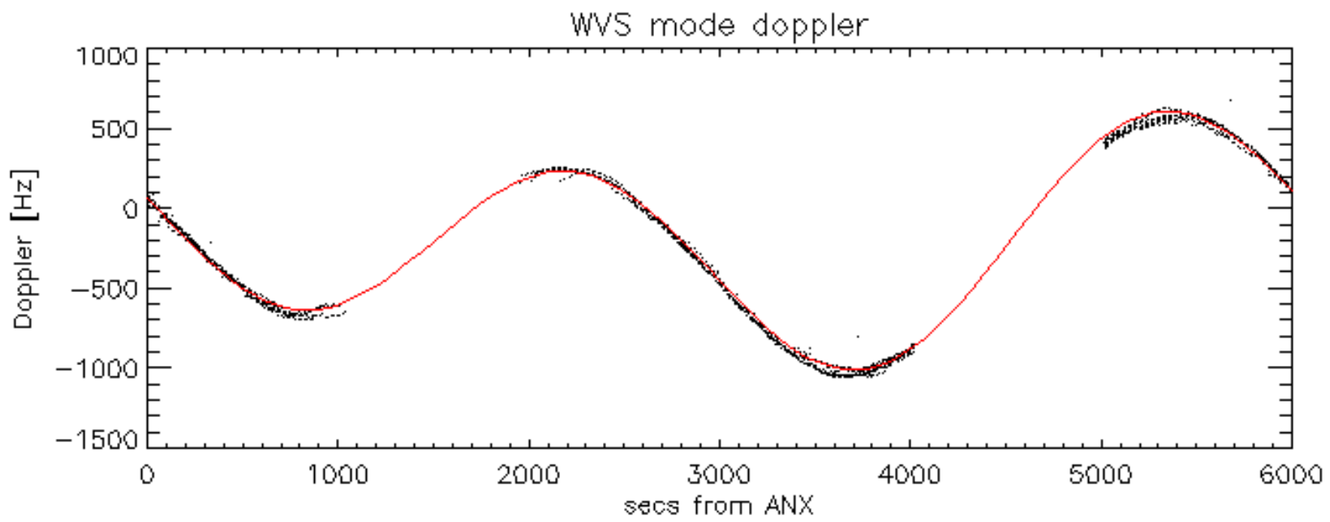

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

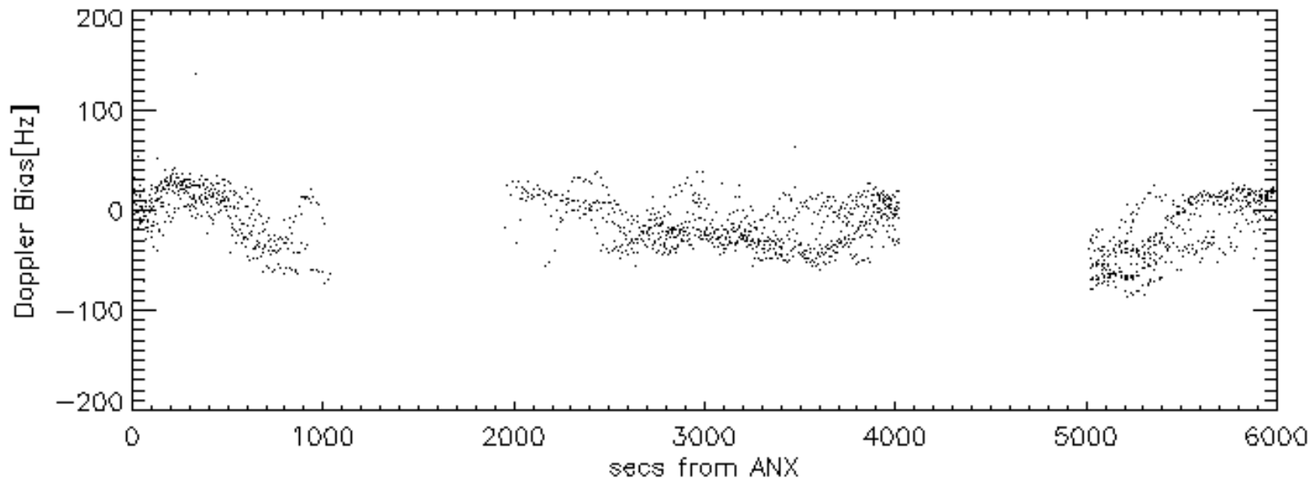

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

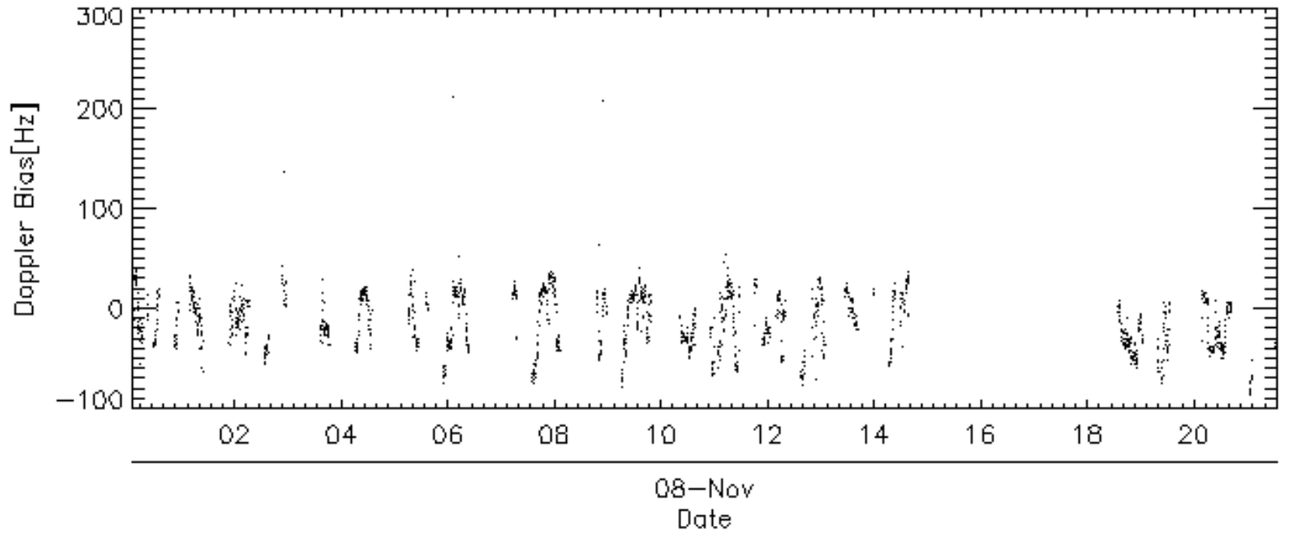

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

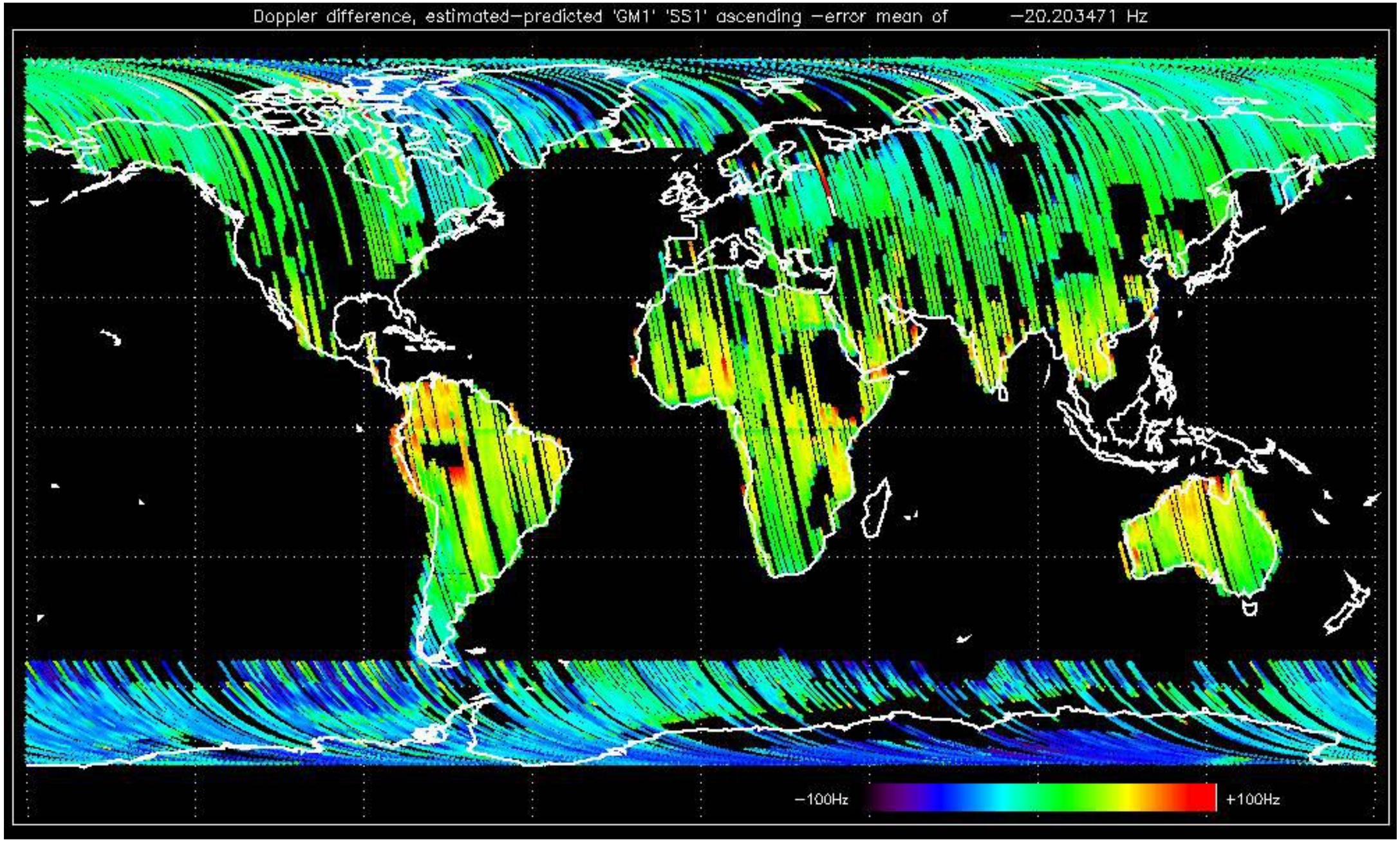

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

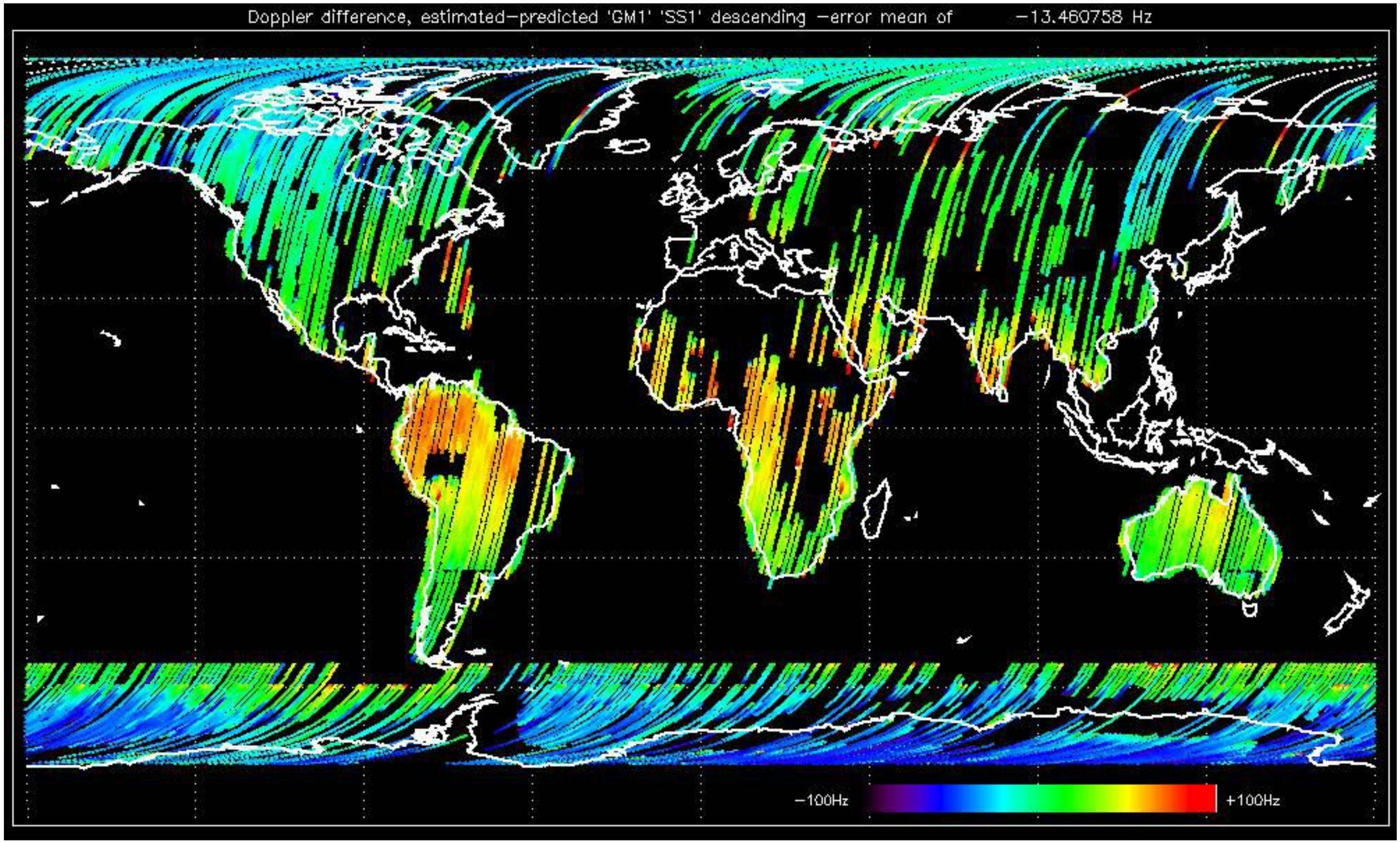

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
08−Nov
Date

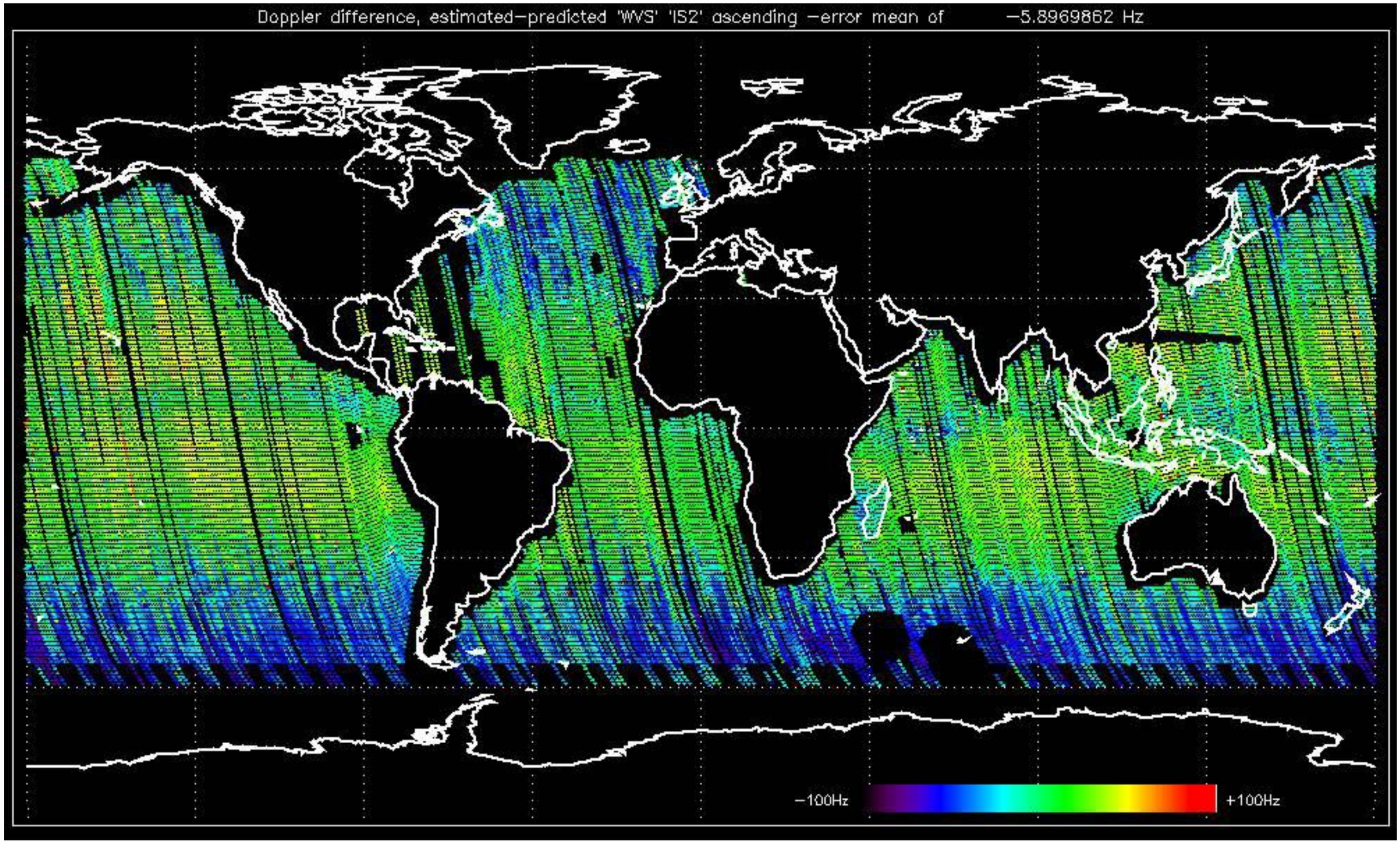

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

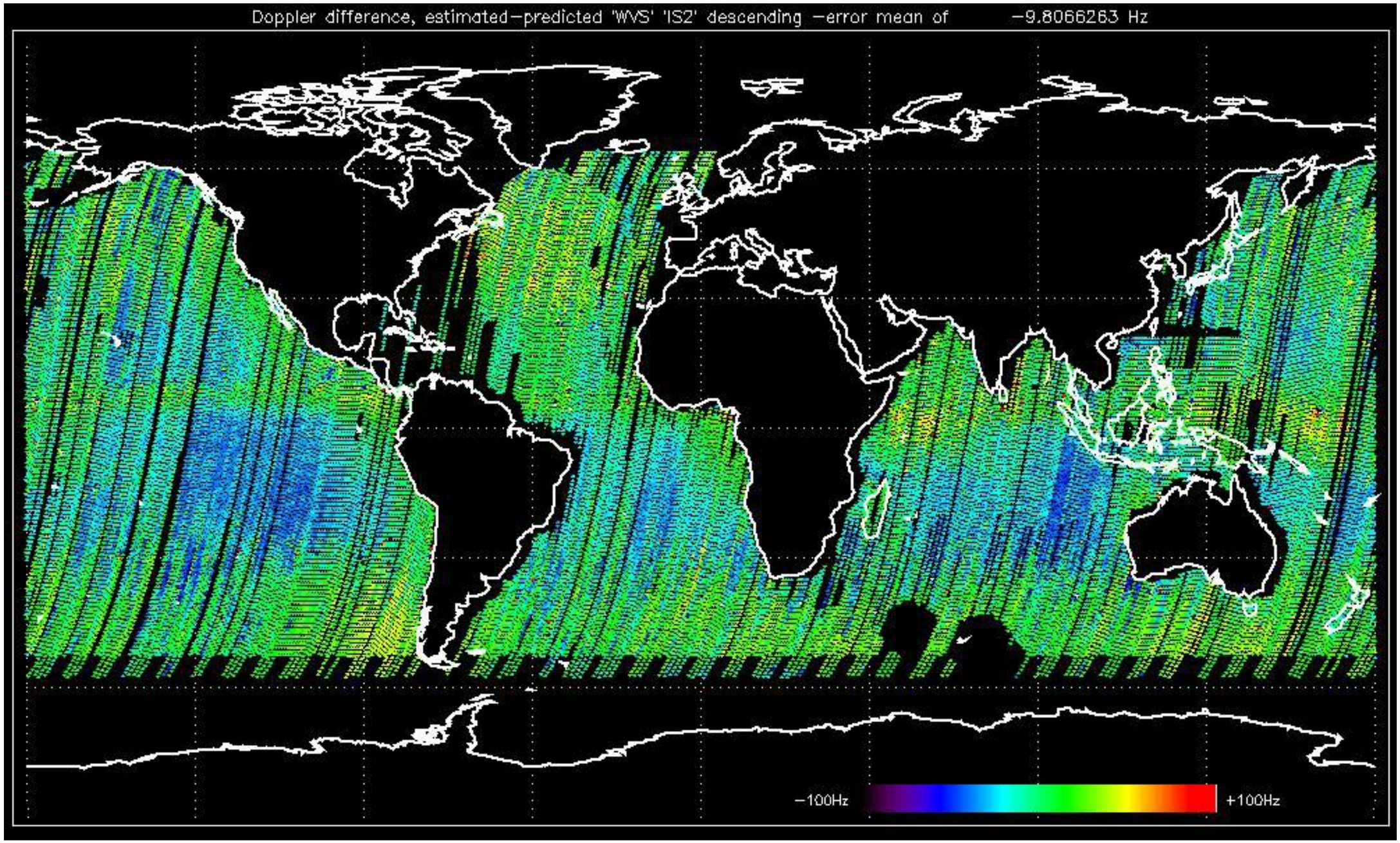

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.203471 Hz
−100Hz
+100Hz

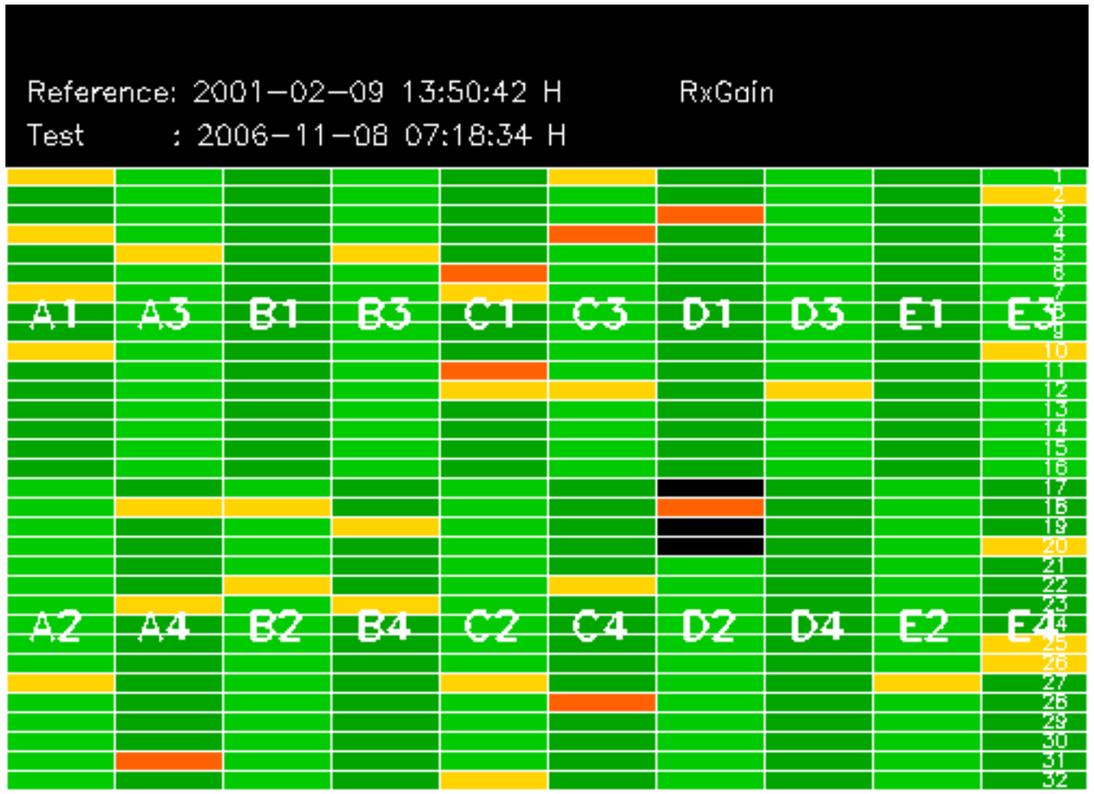

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.460758 Hz
−100Hz
+100Hz

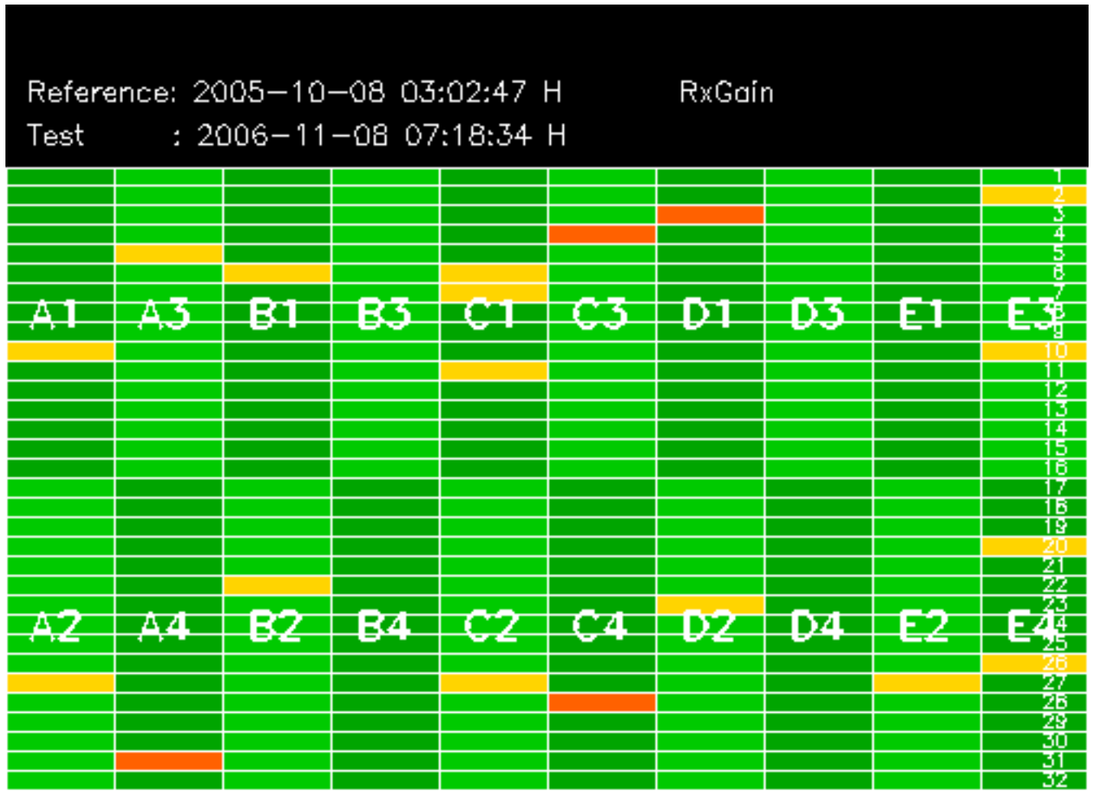

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −5.8969862 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.8066263 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-11-08 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-08 07:18:34 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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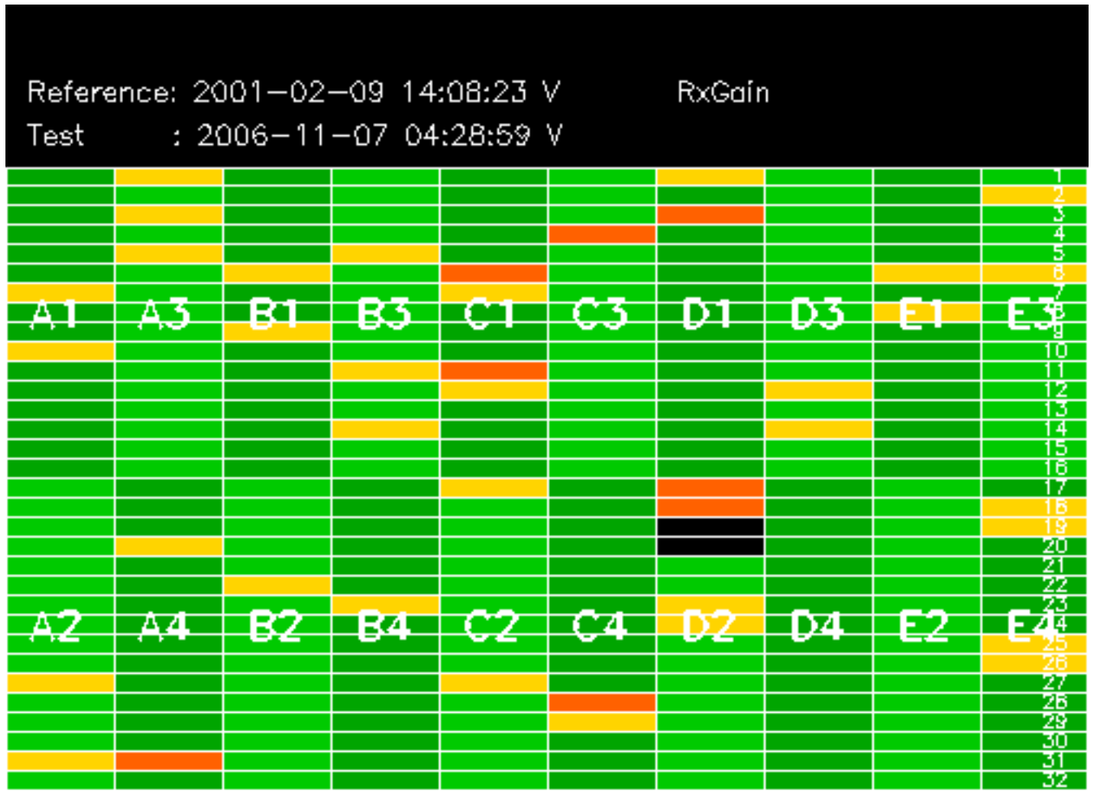
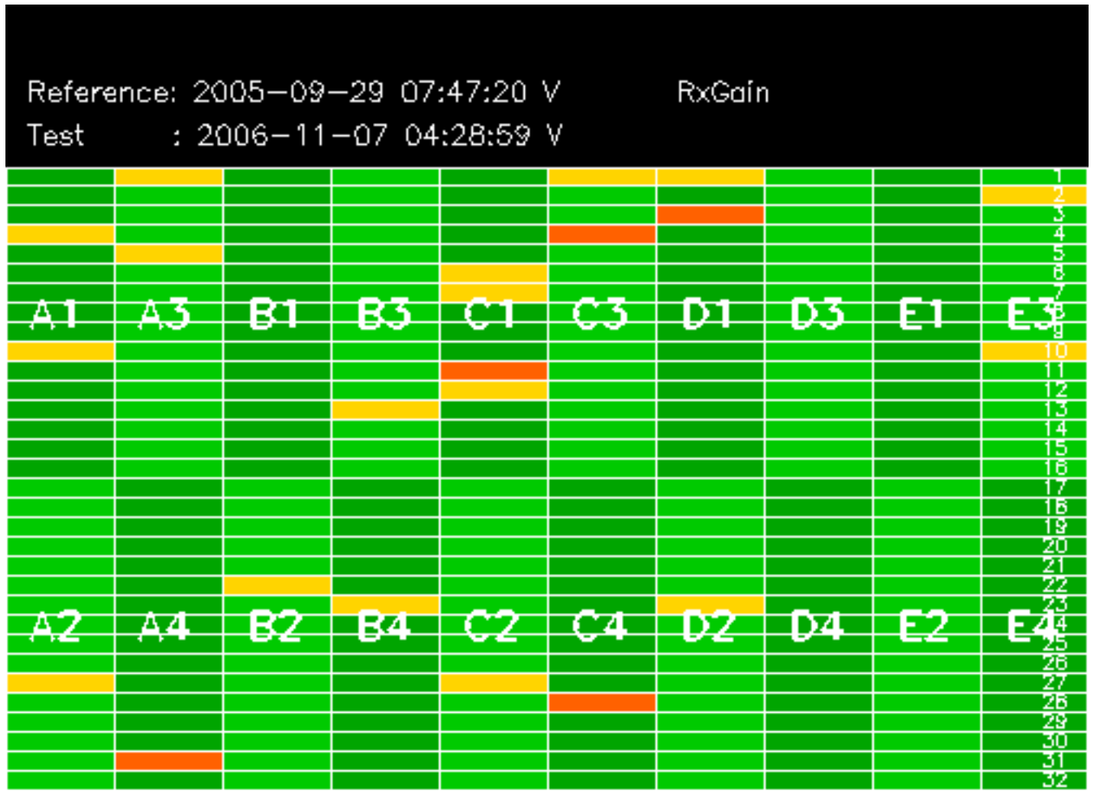

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-07 04:28:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-07 04:28:59 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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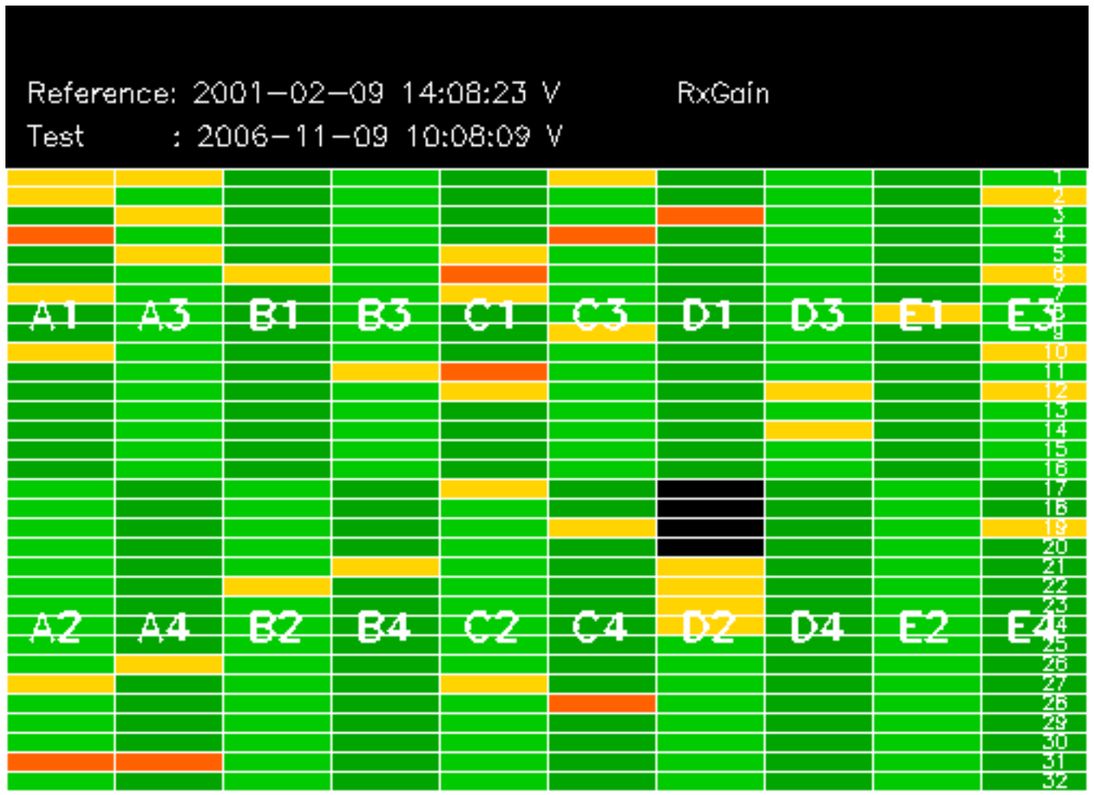
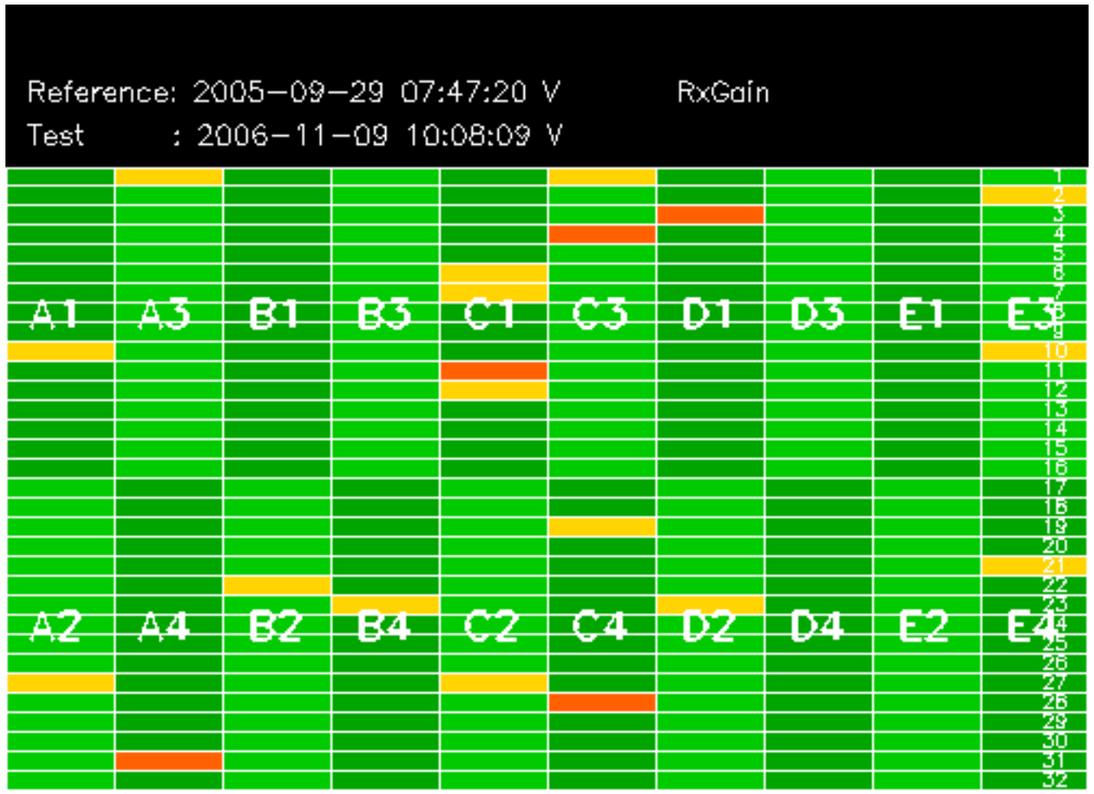

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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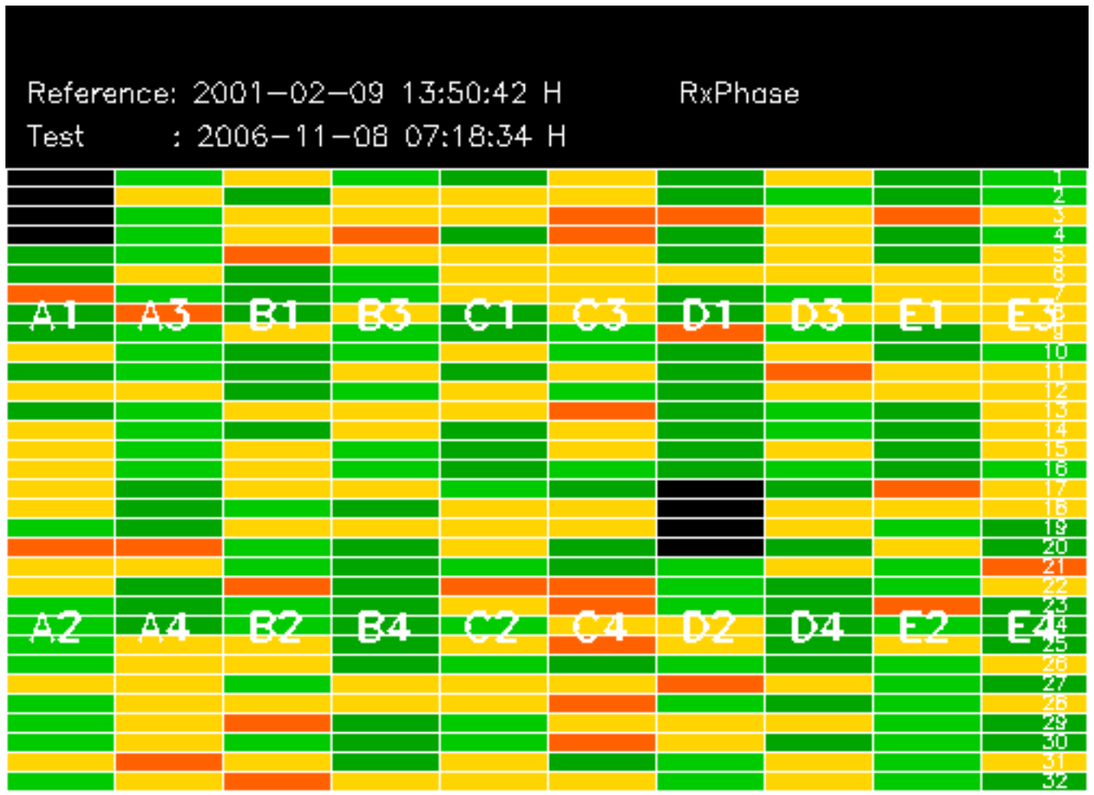
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-08 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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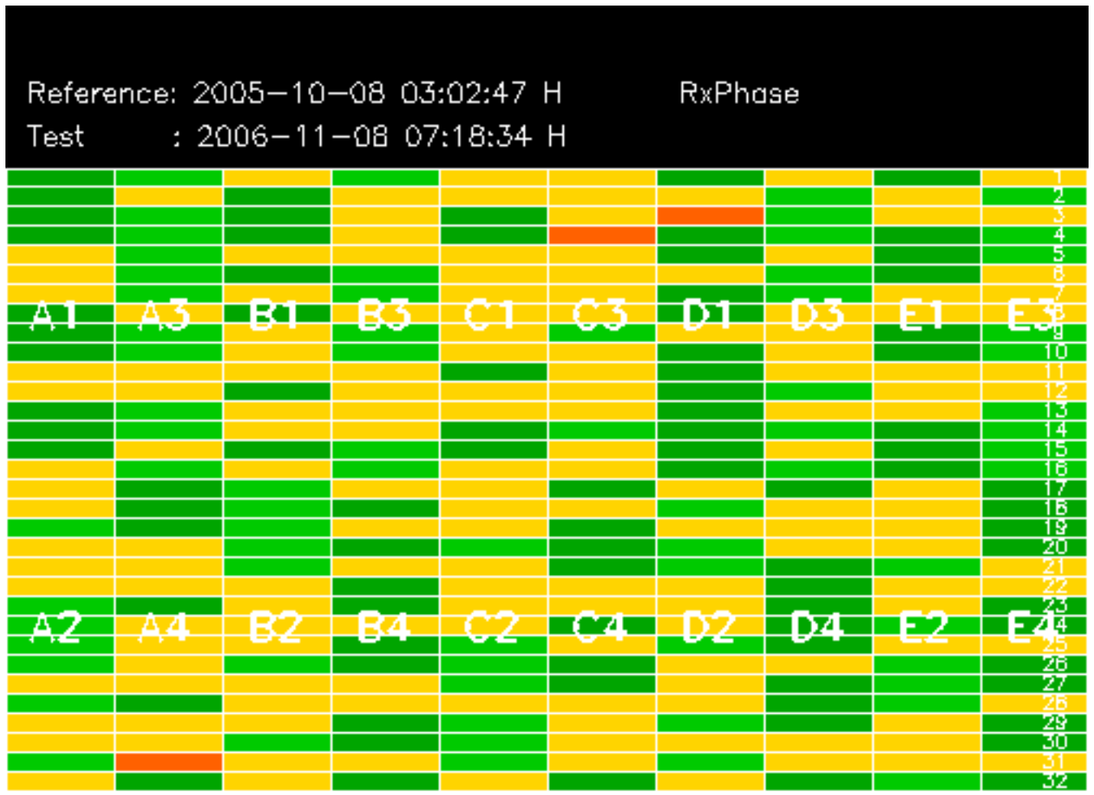
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-08 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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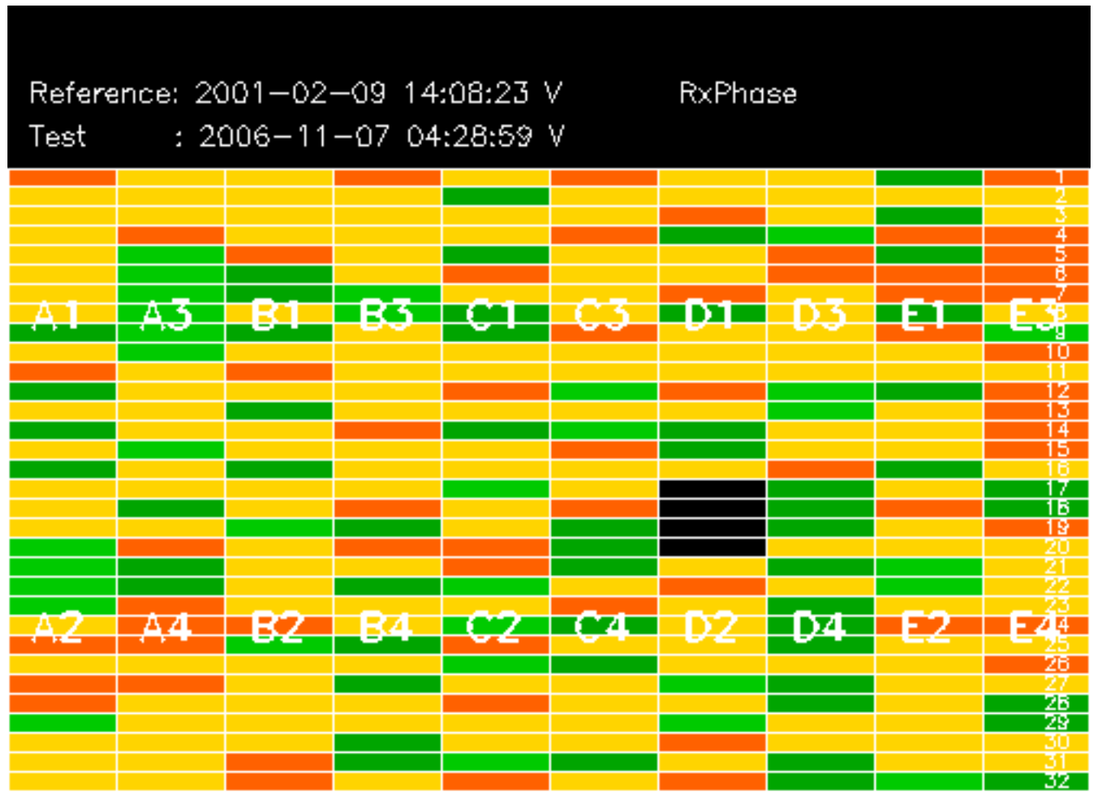
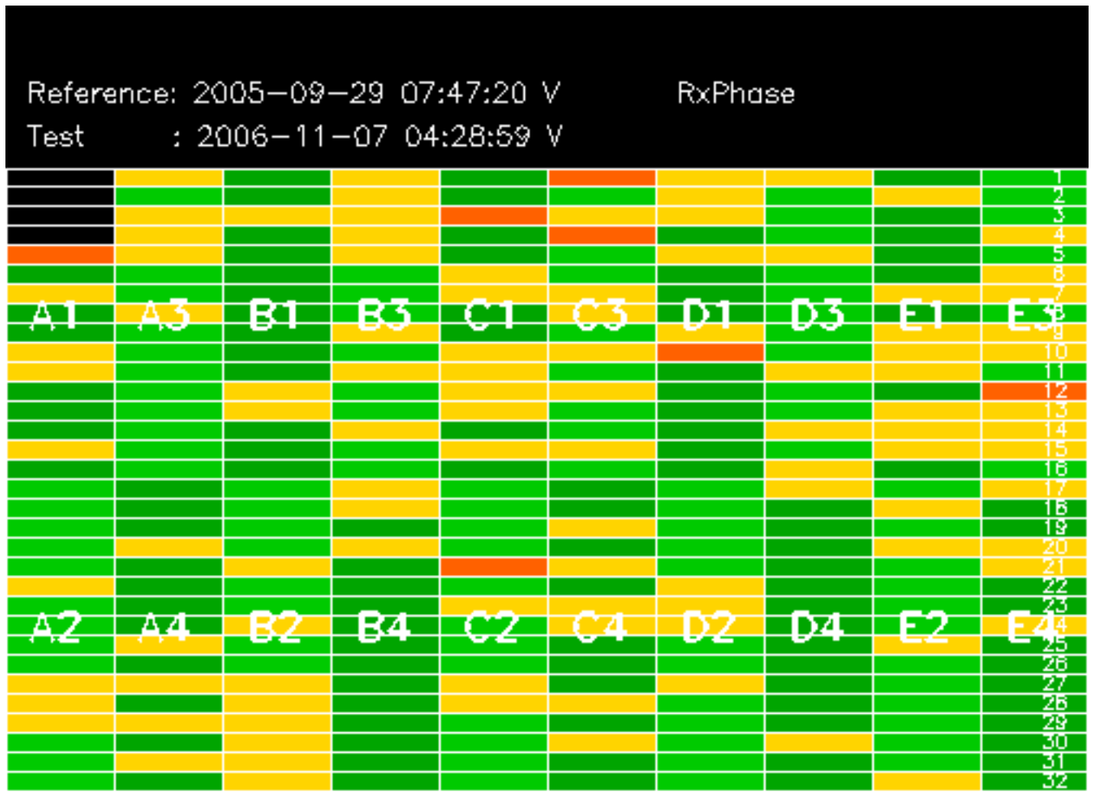
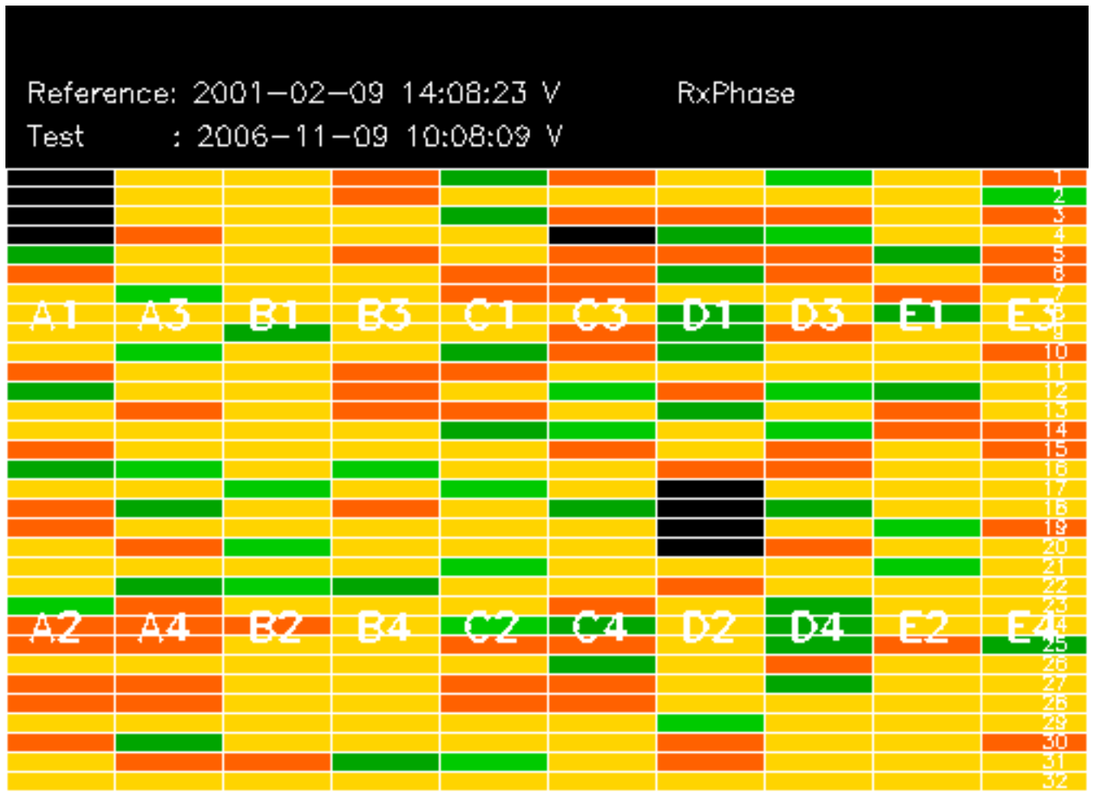
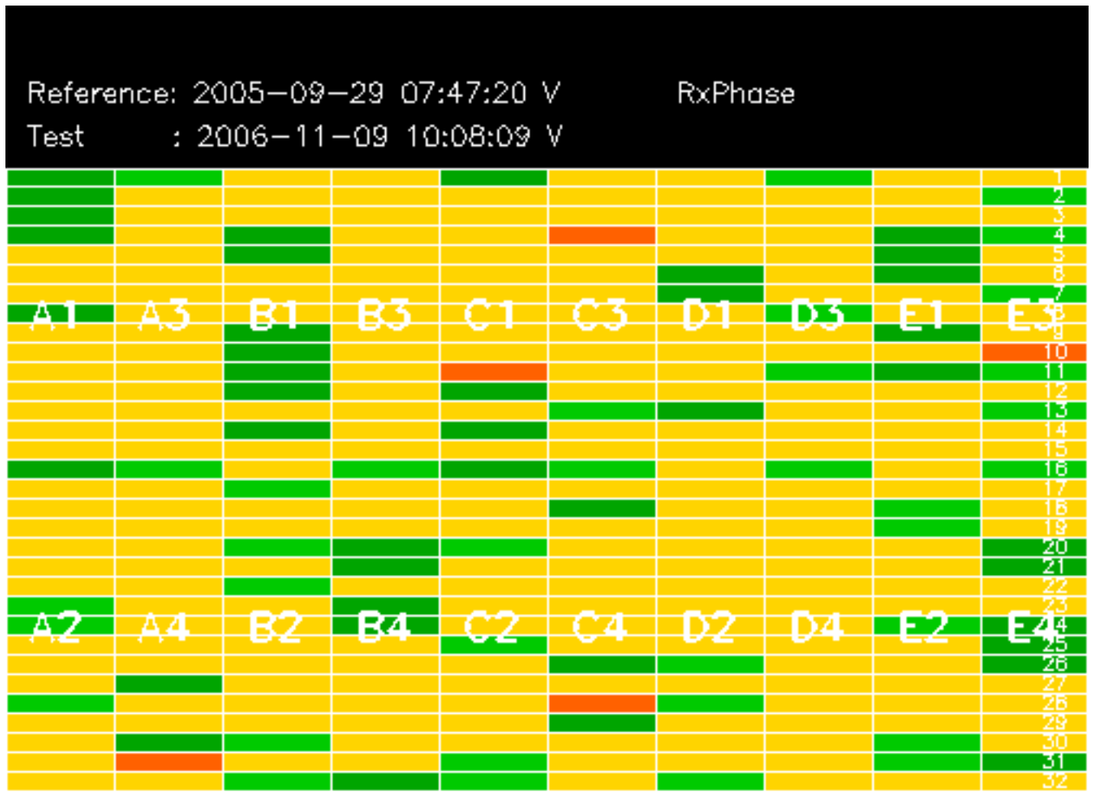
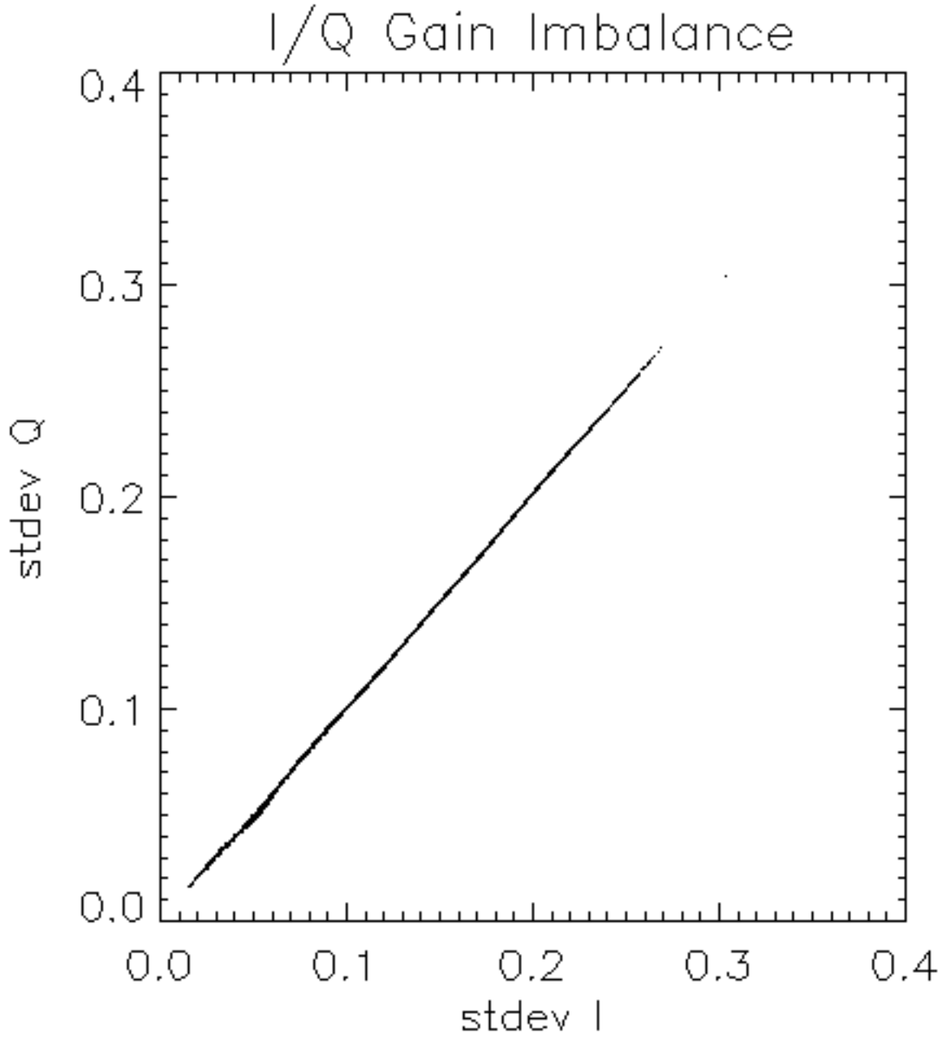
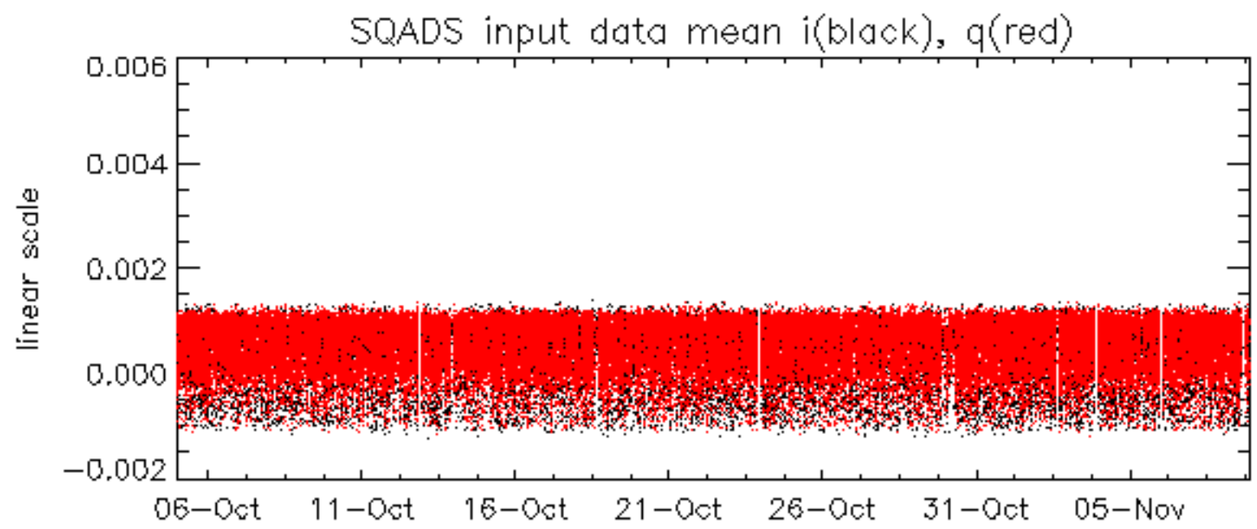

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-07 04:28:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

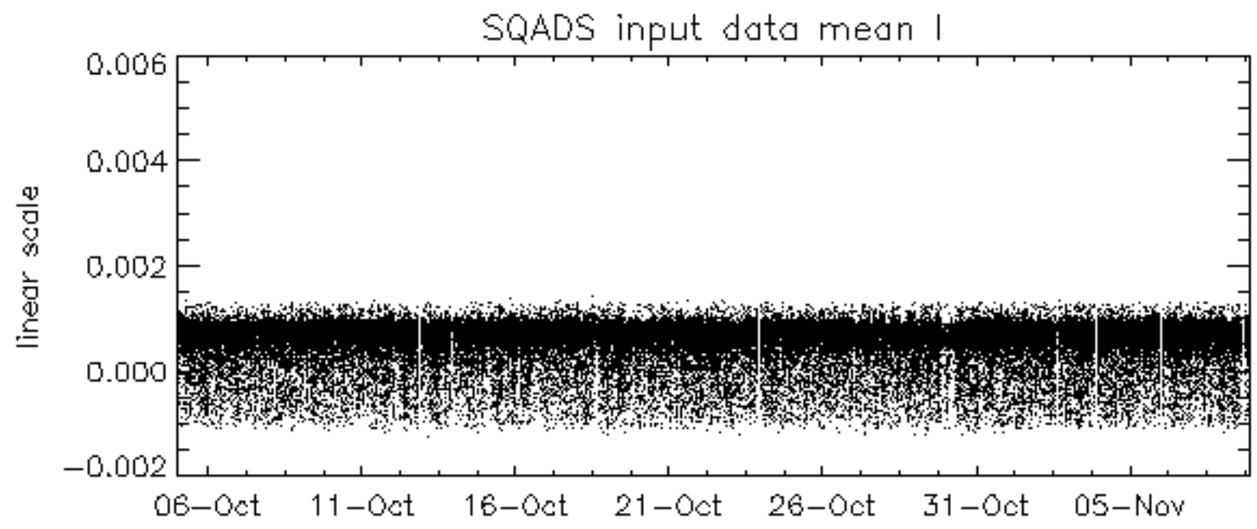

Reference: 2005-09-29 07:47:20 V
Test : 2006-11-07 04:28:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

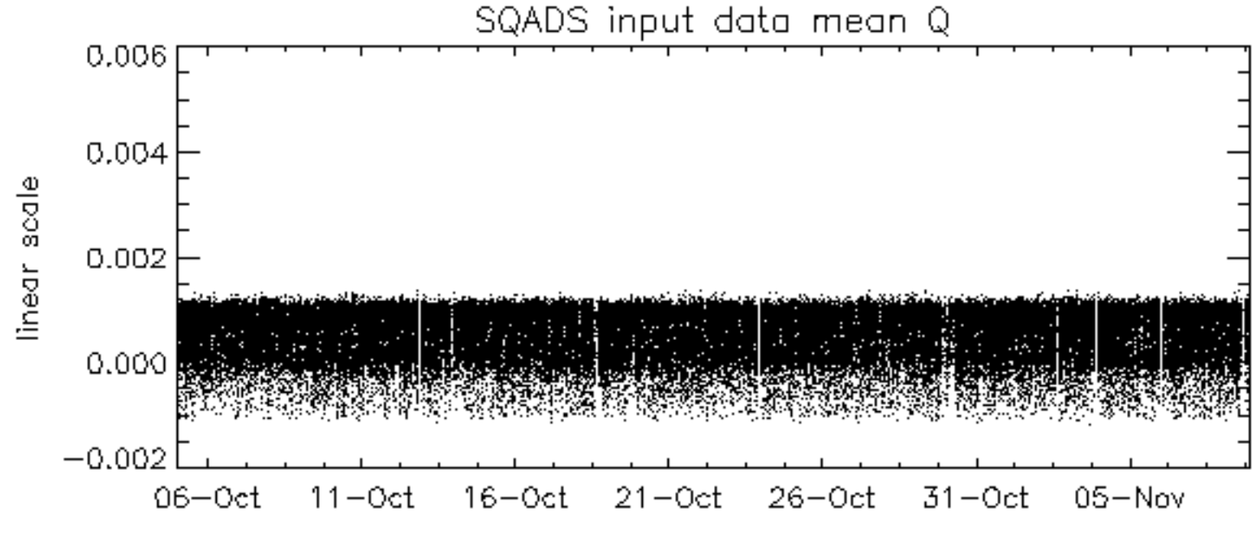

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

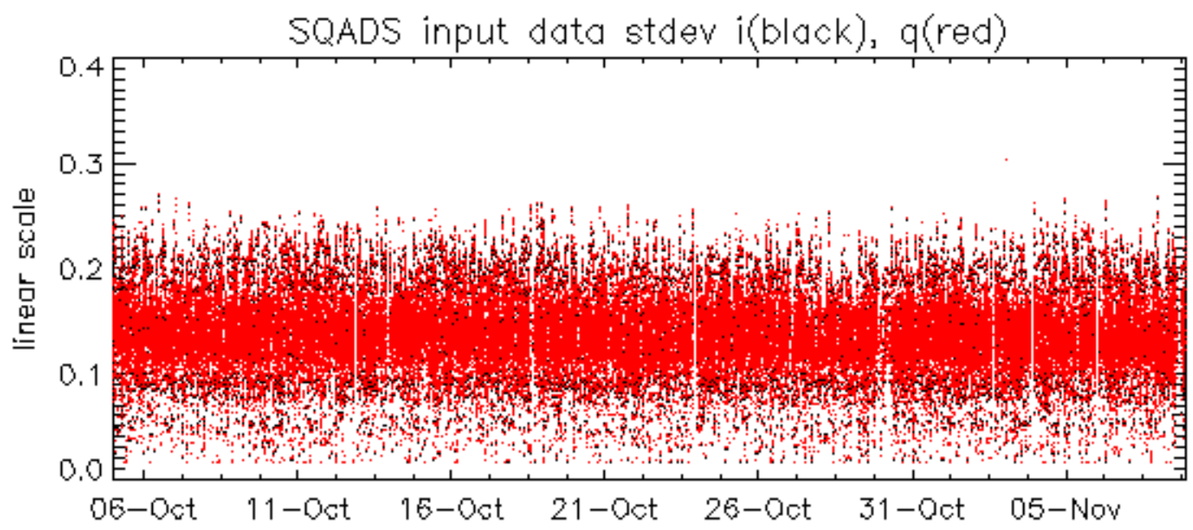

Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

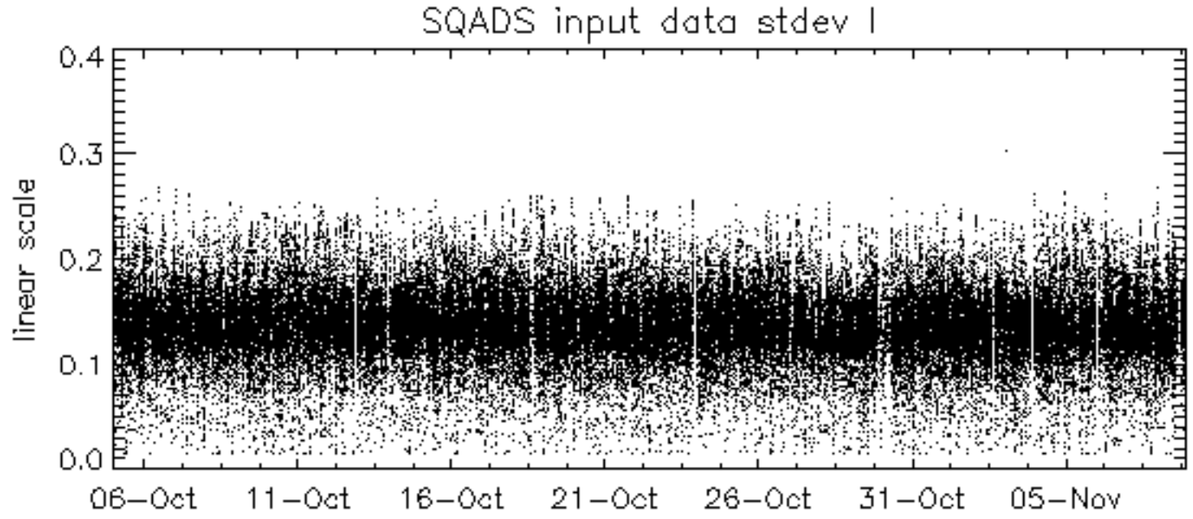

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

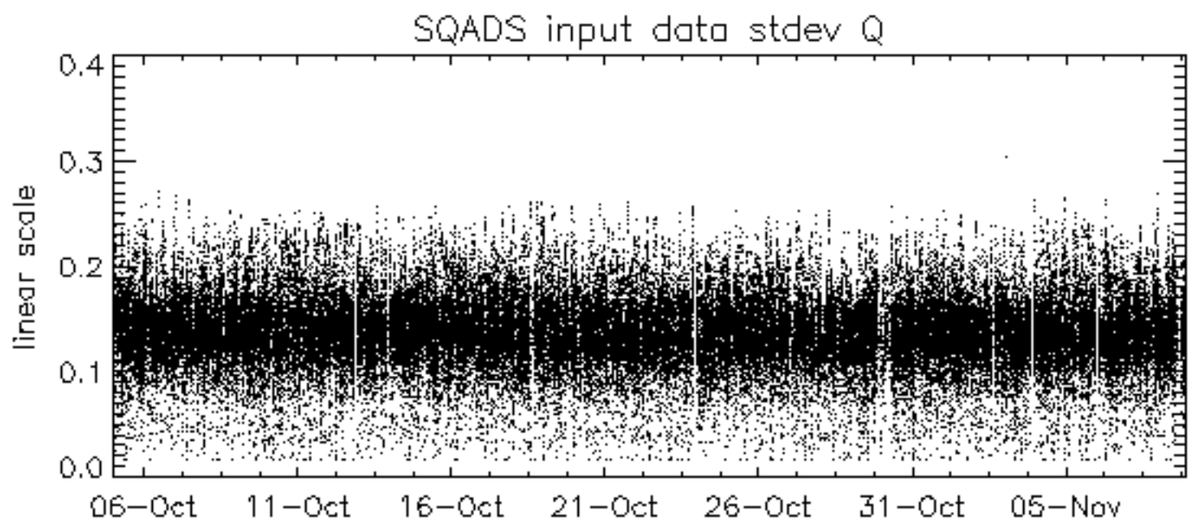

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov

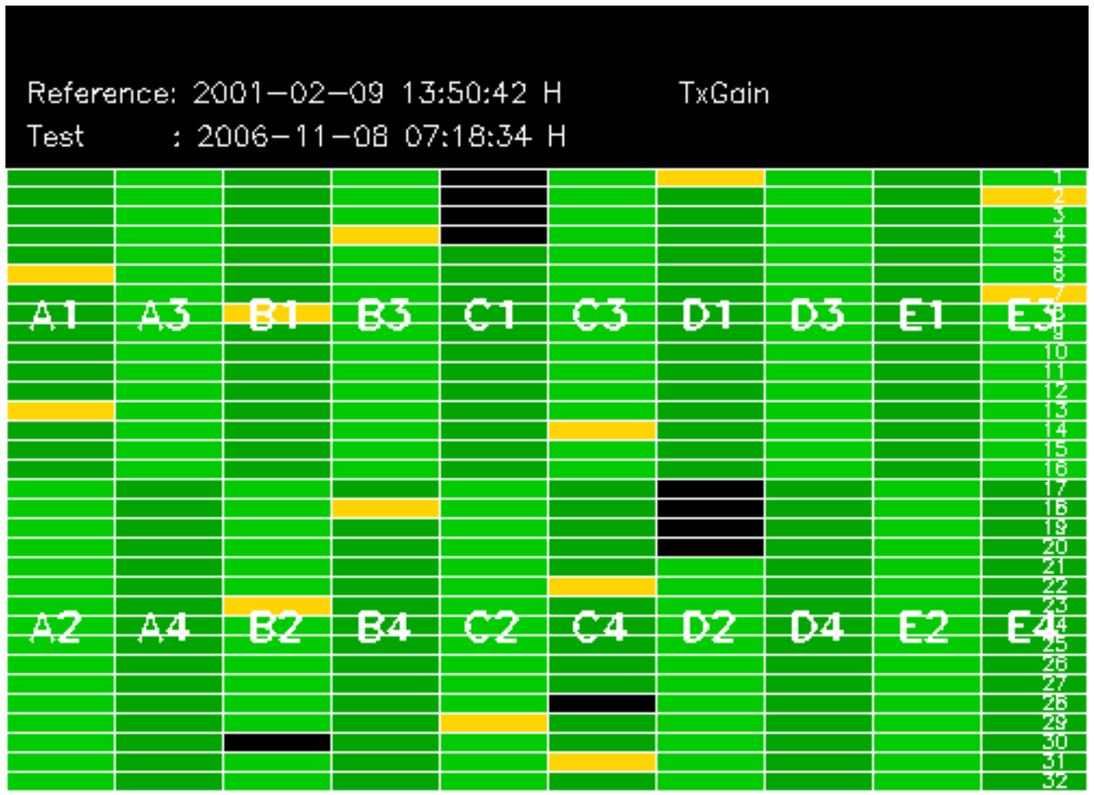

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov

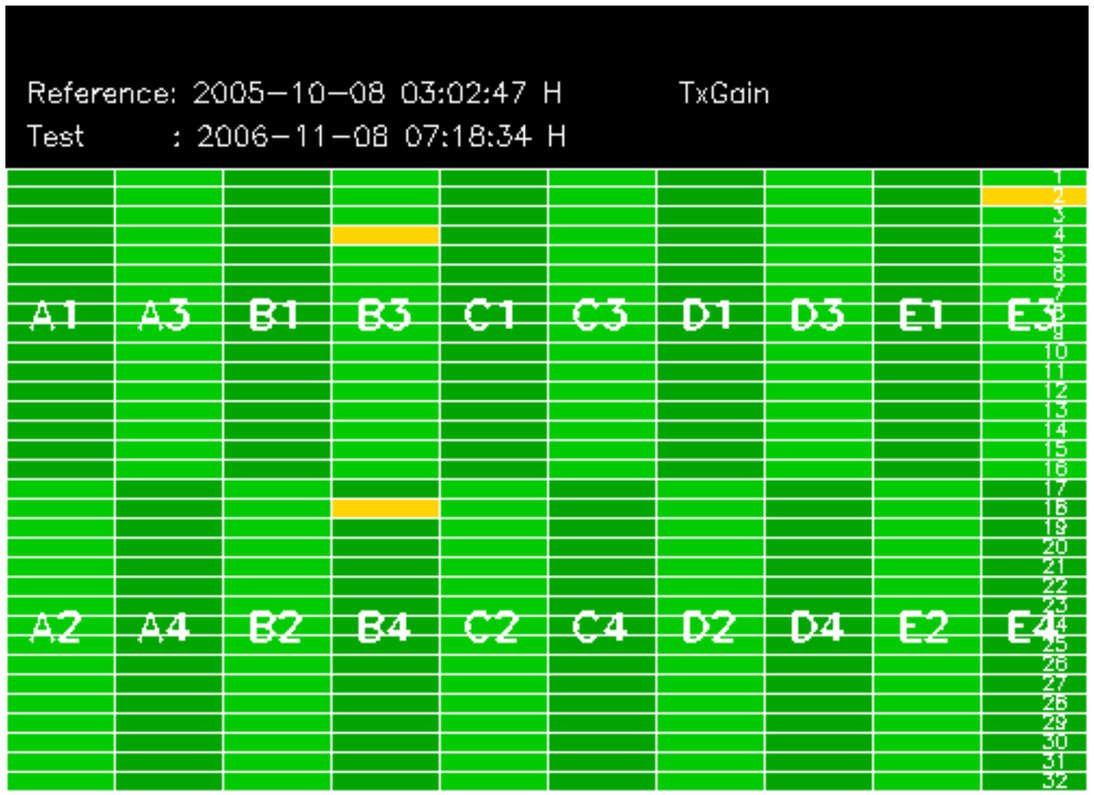

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-08 07:18:34 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 : 2006-11-08 07:18:34 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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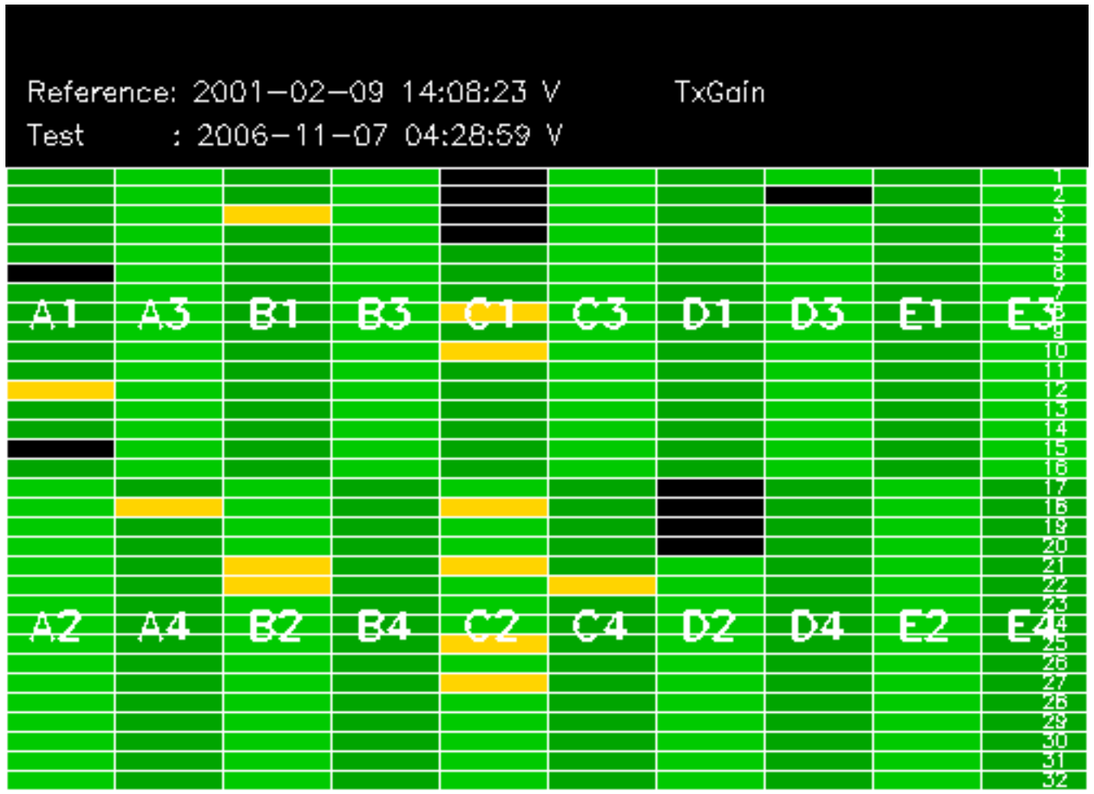
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-07 04:28:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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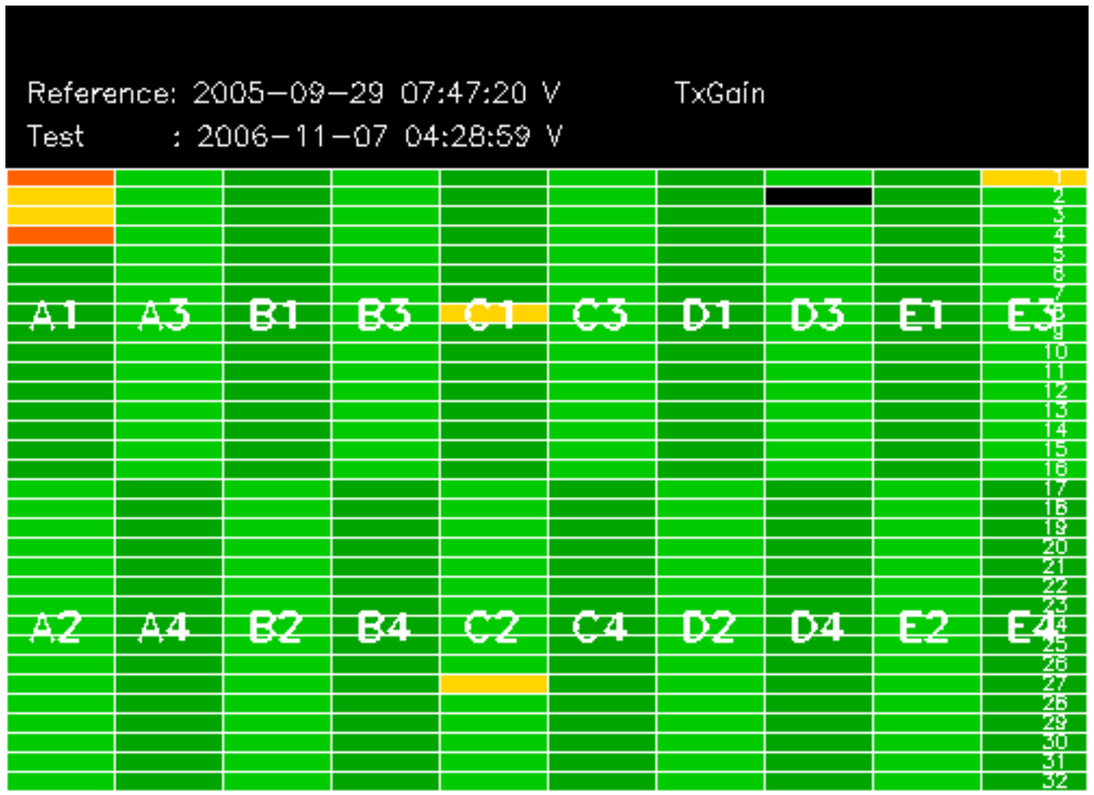
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-07 04:28:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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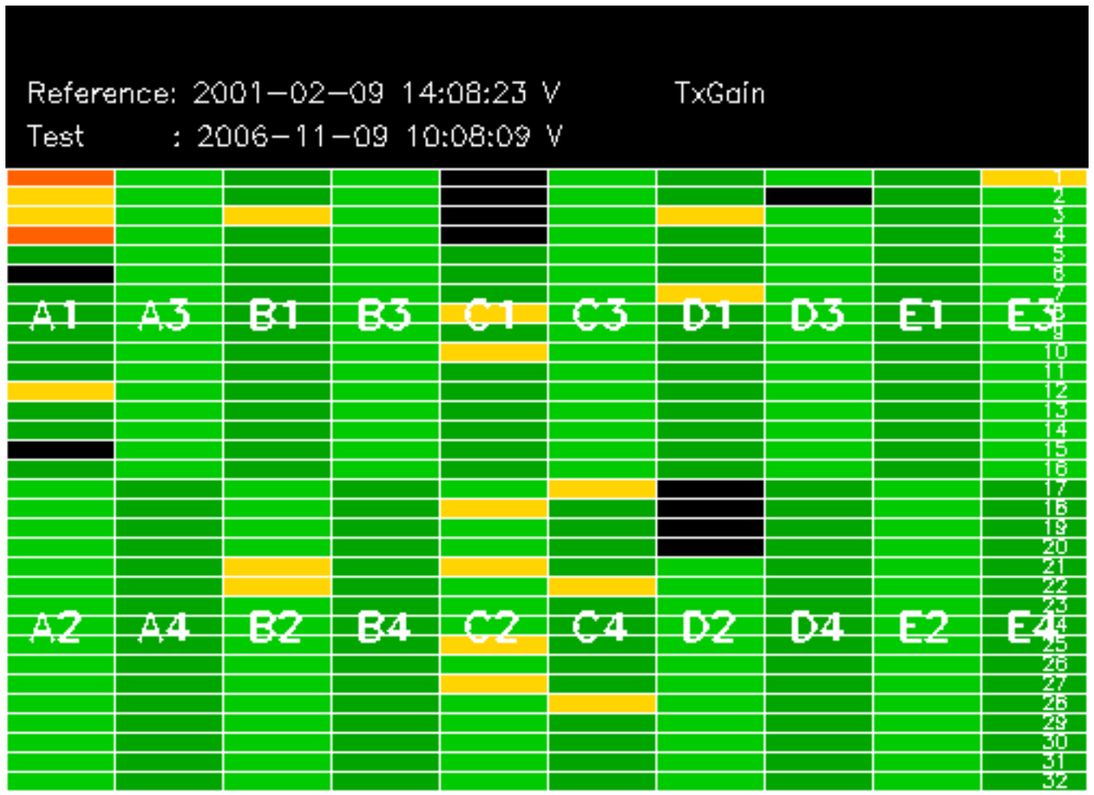
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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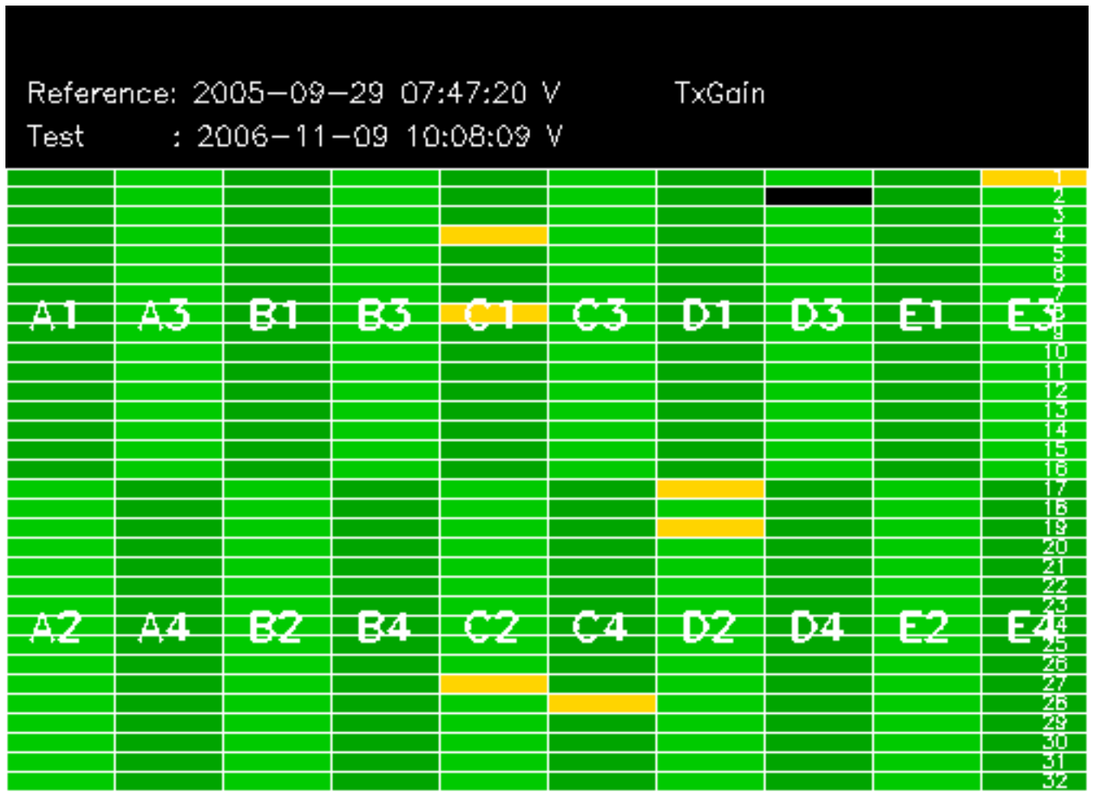
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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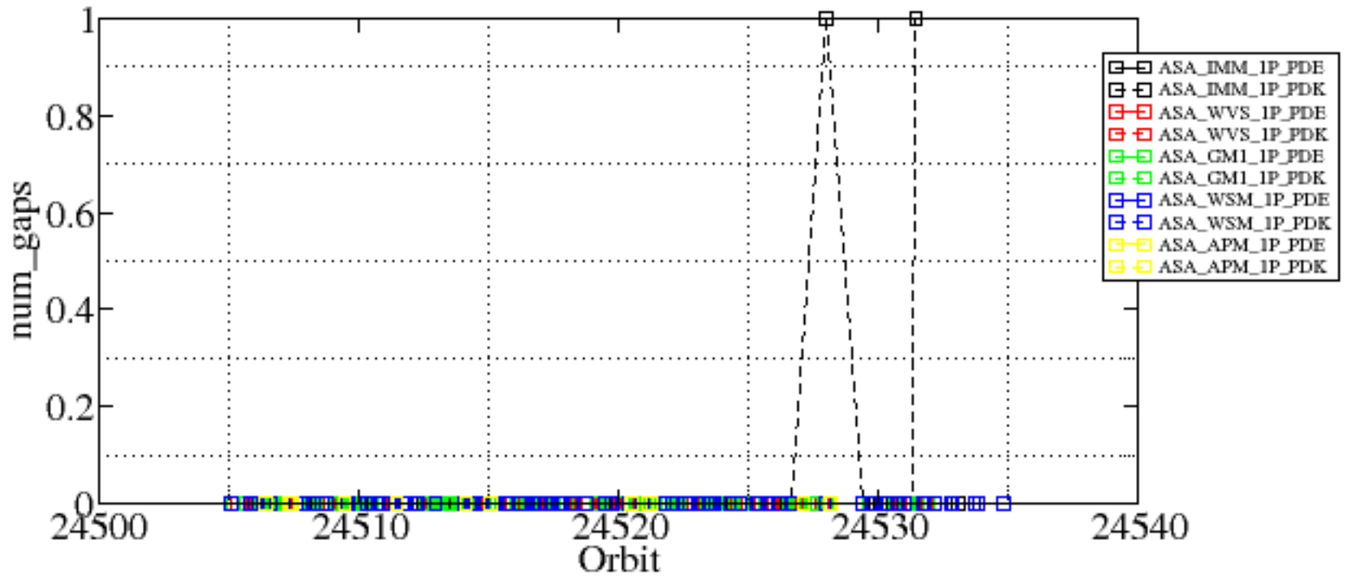
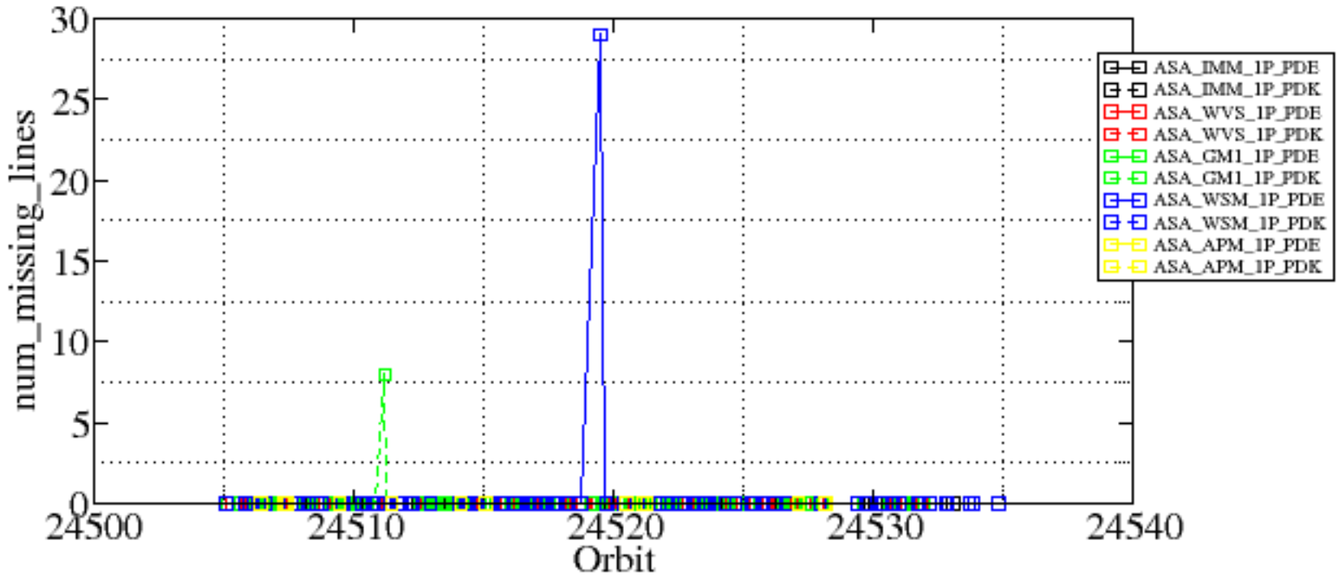
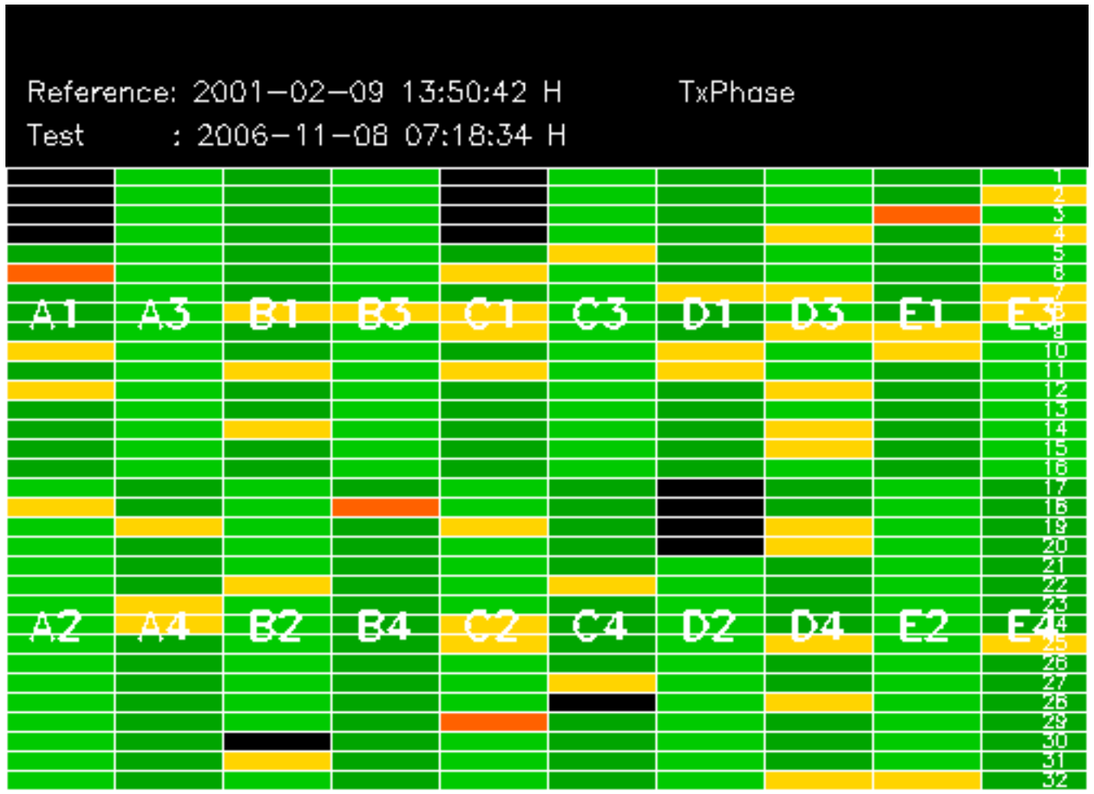
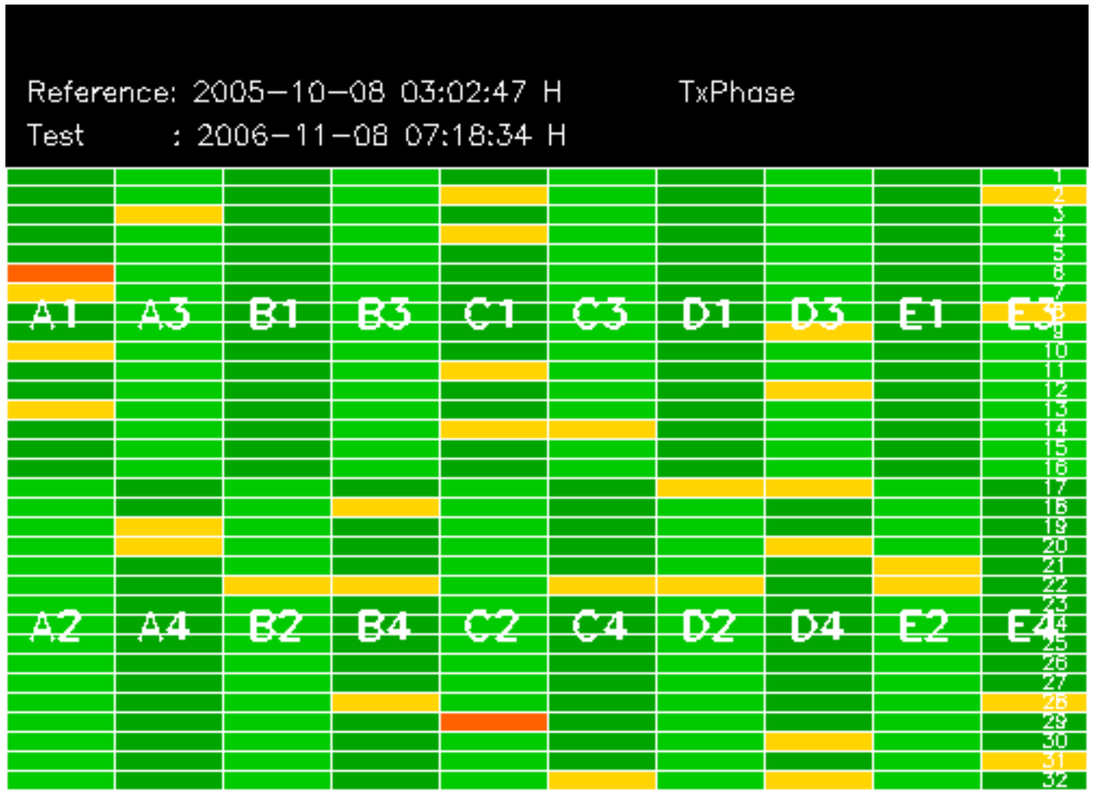
Summary of analysis for the last 3 days 2006110[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDK20061108_143314_000000352052_00425_24527_3678.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20061108_202032_000000362052_00429_24531_3691.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061107_102250_000002232052_00409_24511_8176.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061108_001656_000002632052_00417_24519_0001.N1 </td> <td>0 </td> <td>29 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
24500
24510
24520
24530
24540
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
30
25
20
15
10
5
0
24500
24510
24520
24530
24540
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 : 2006-11-08 07:18:34 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
TxPhase
Test : 2006-11-08 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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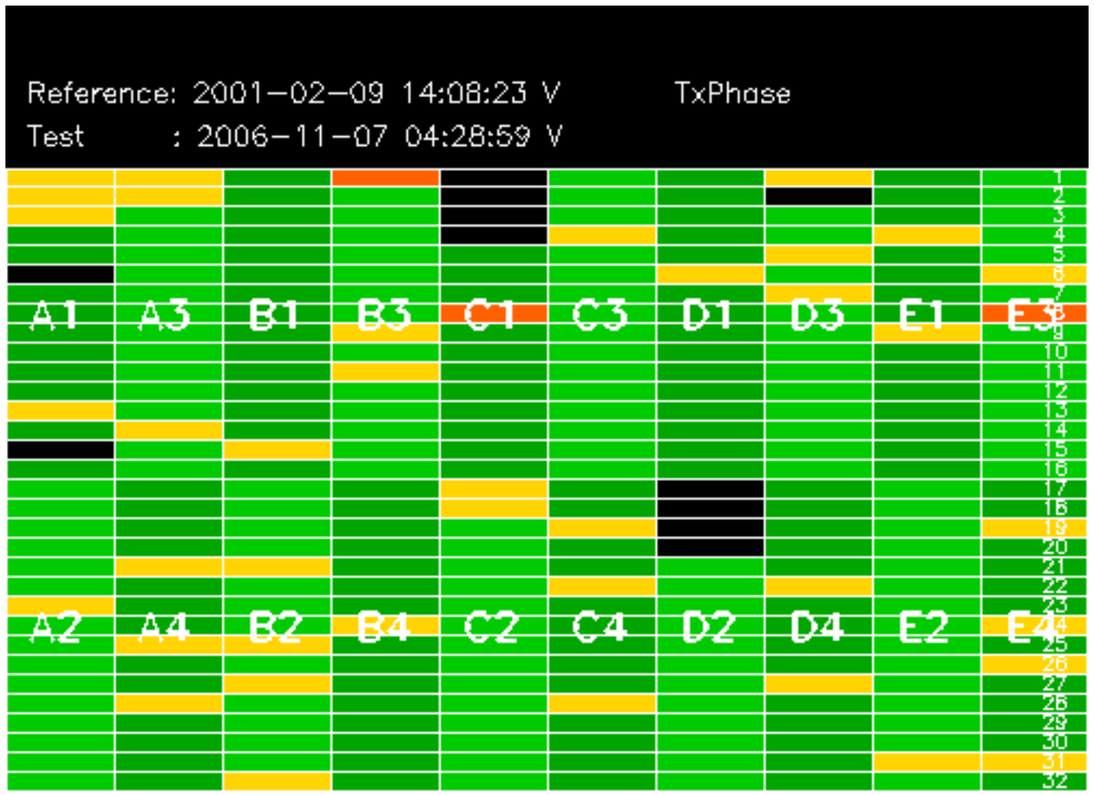
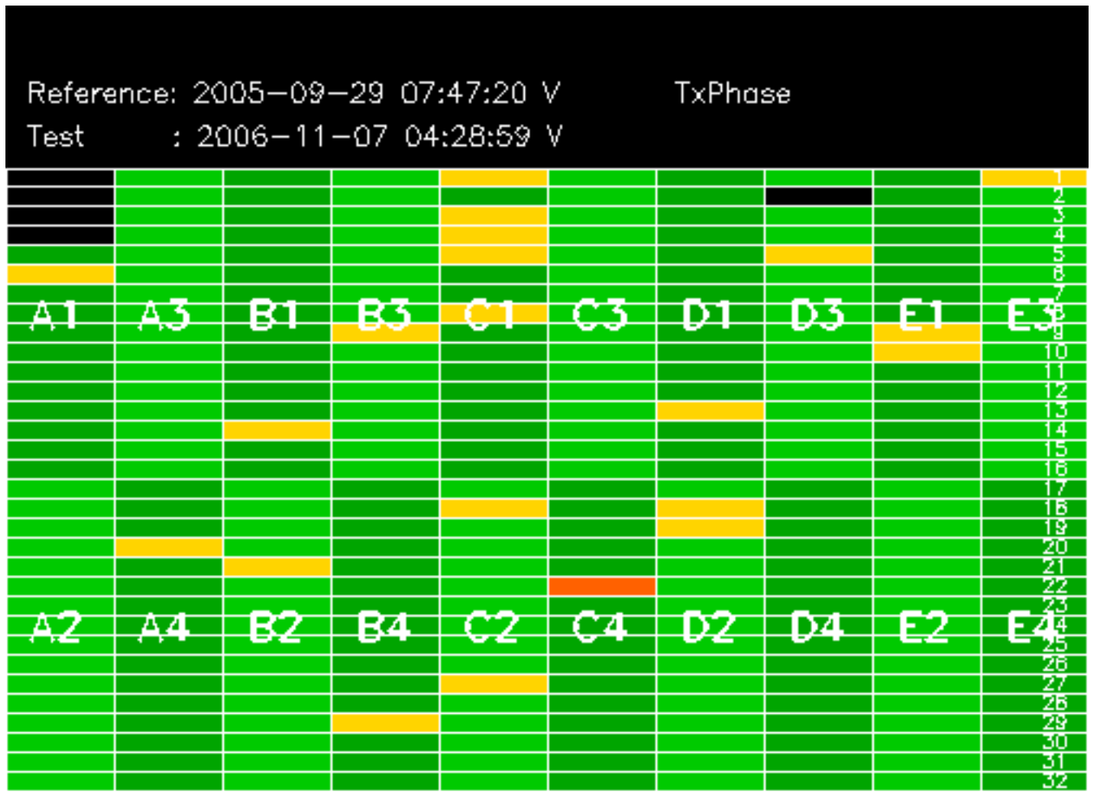
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-11-07 04:28:59 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 : 2006-11-07 04:28:59 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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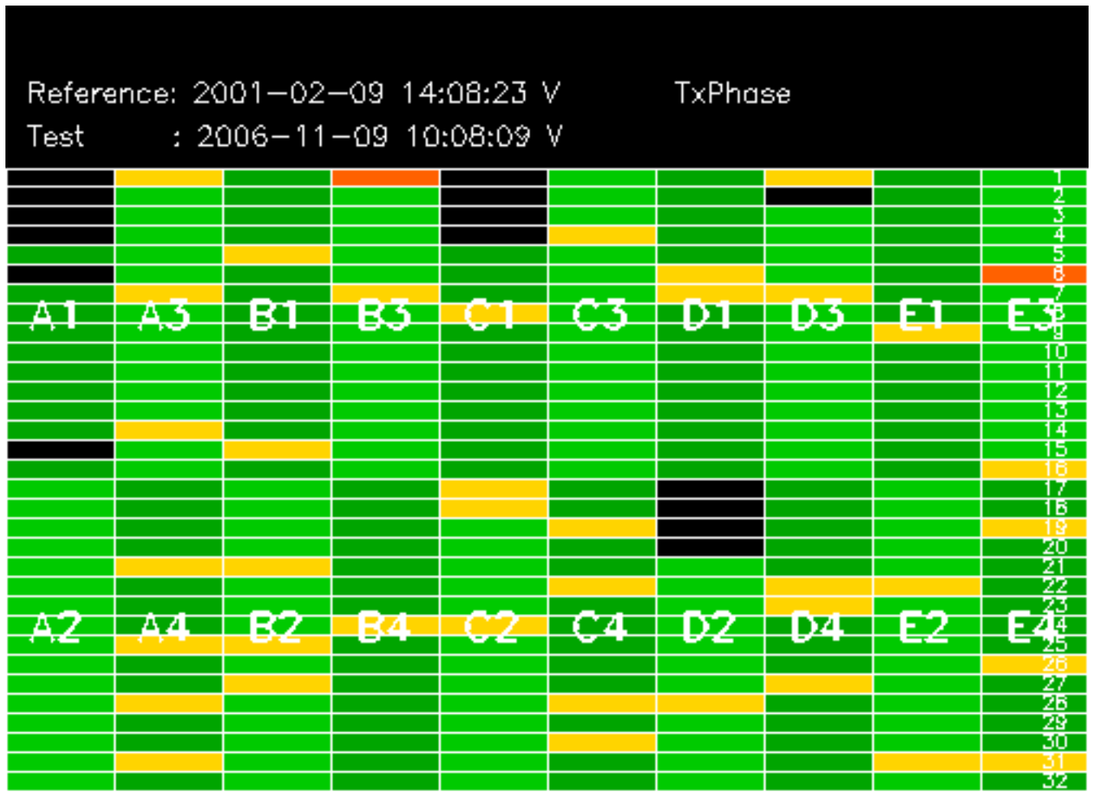
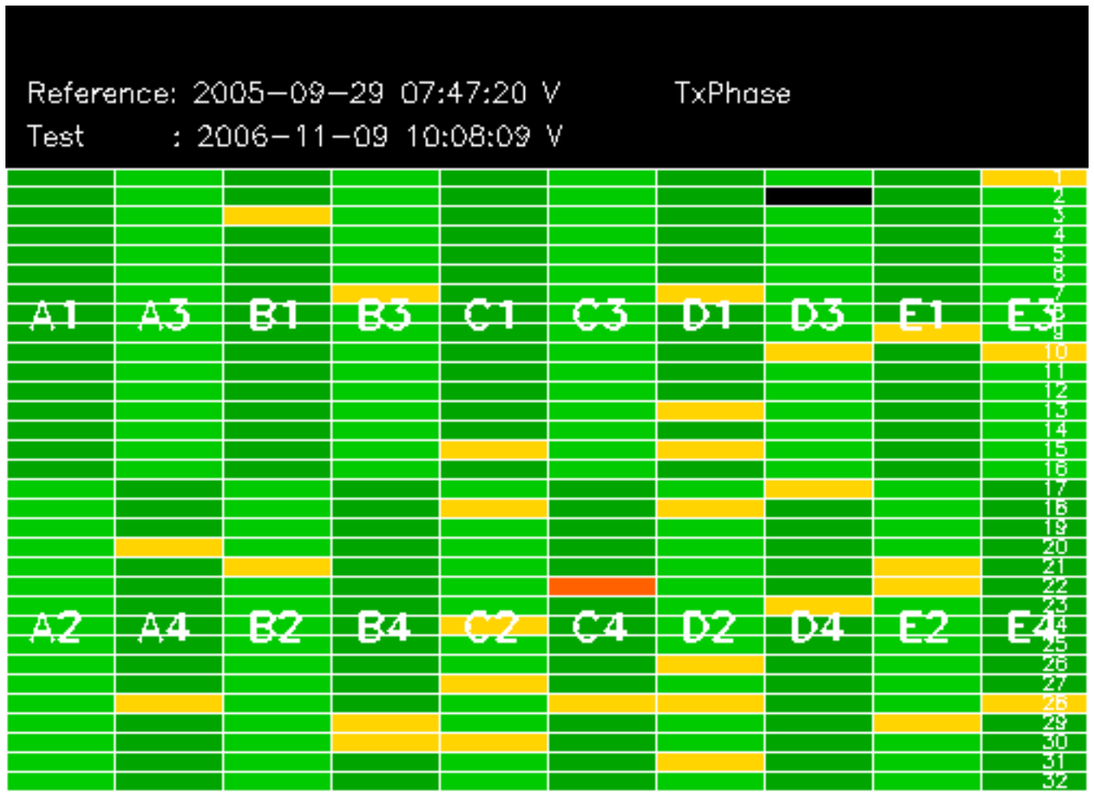

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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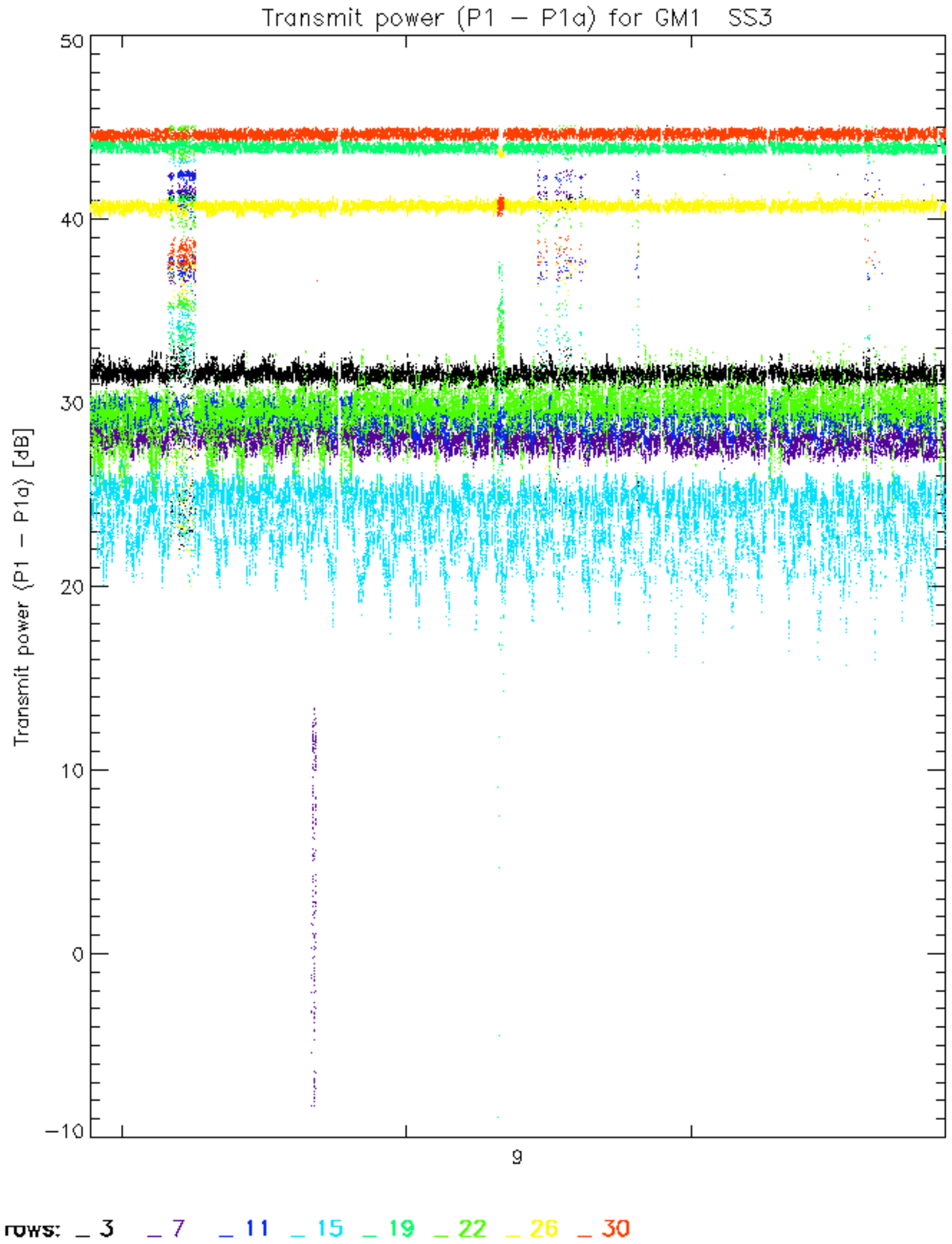
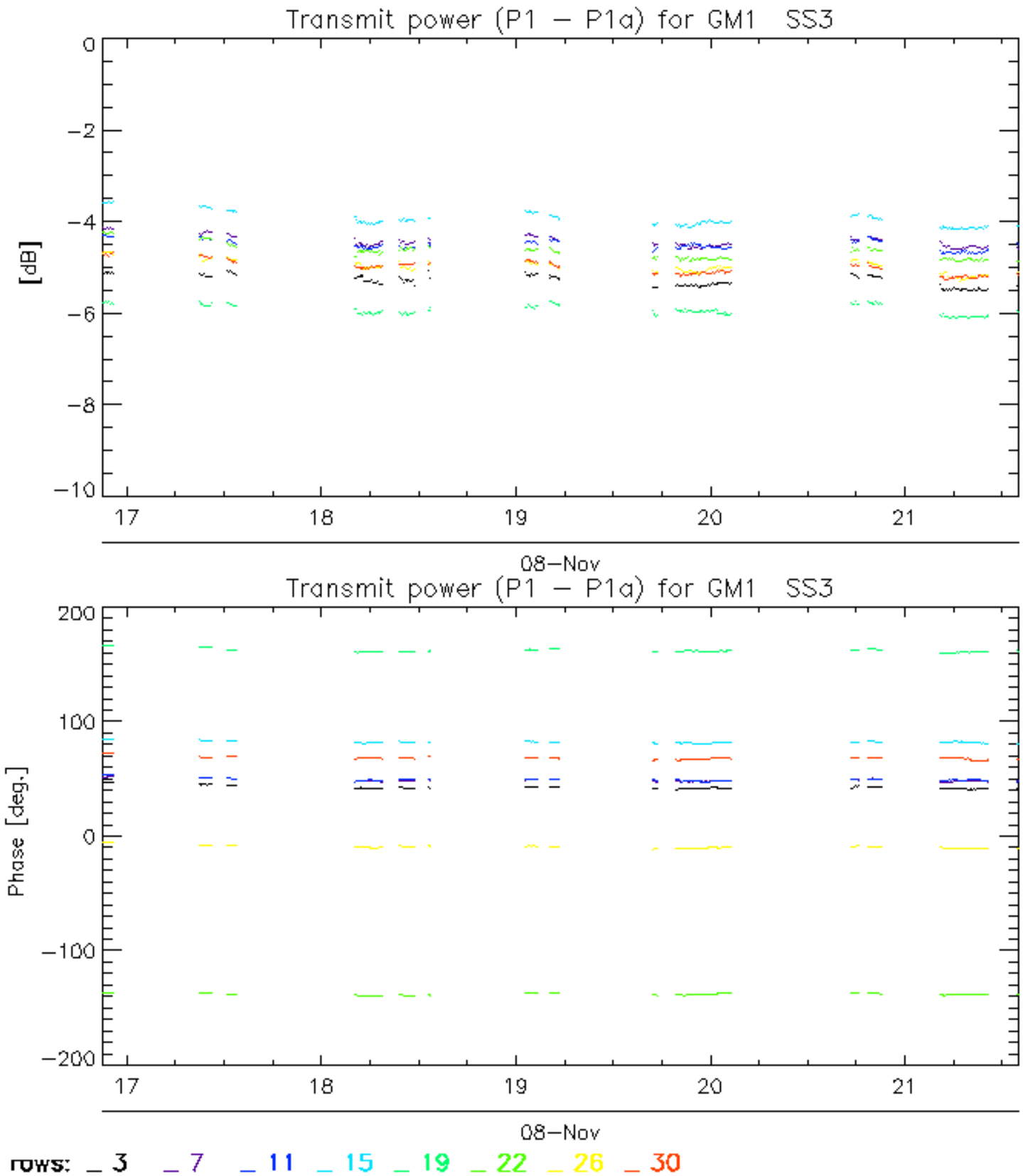
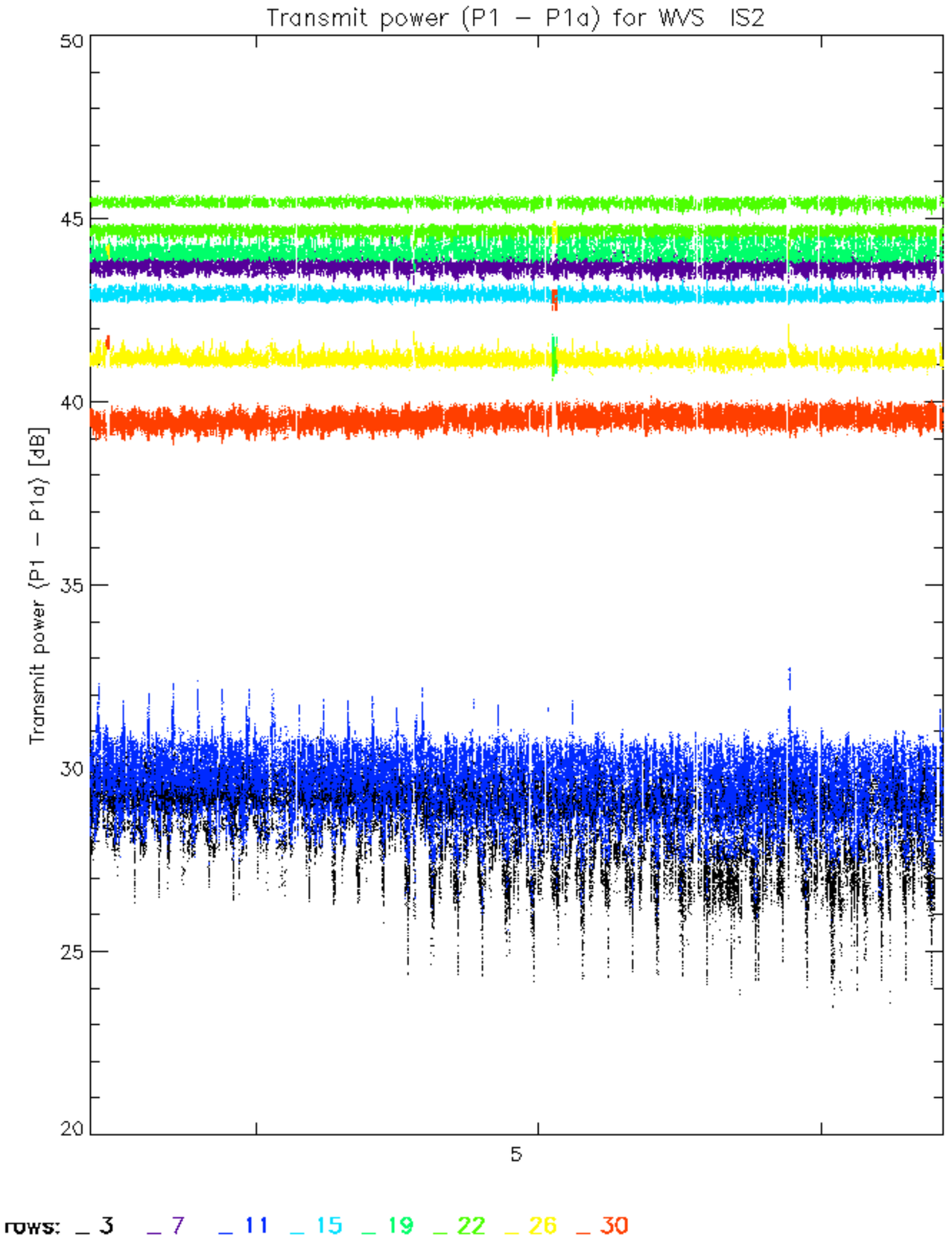
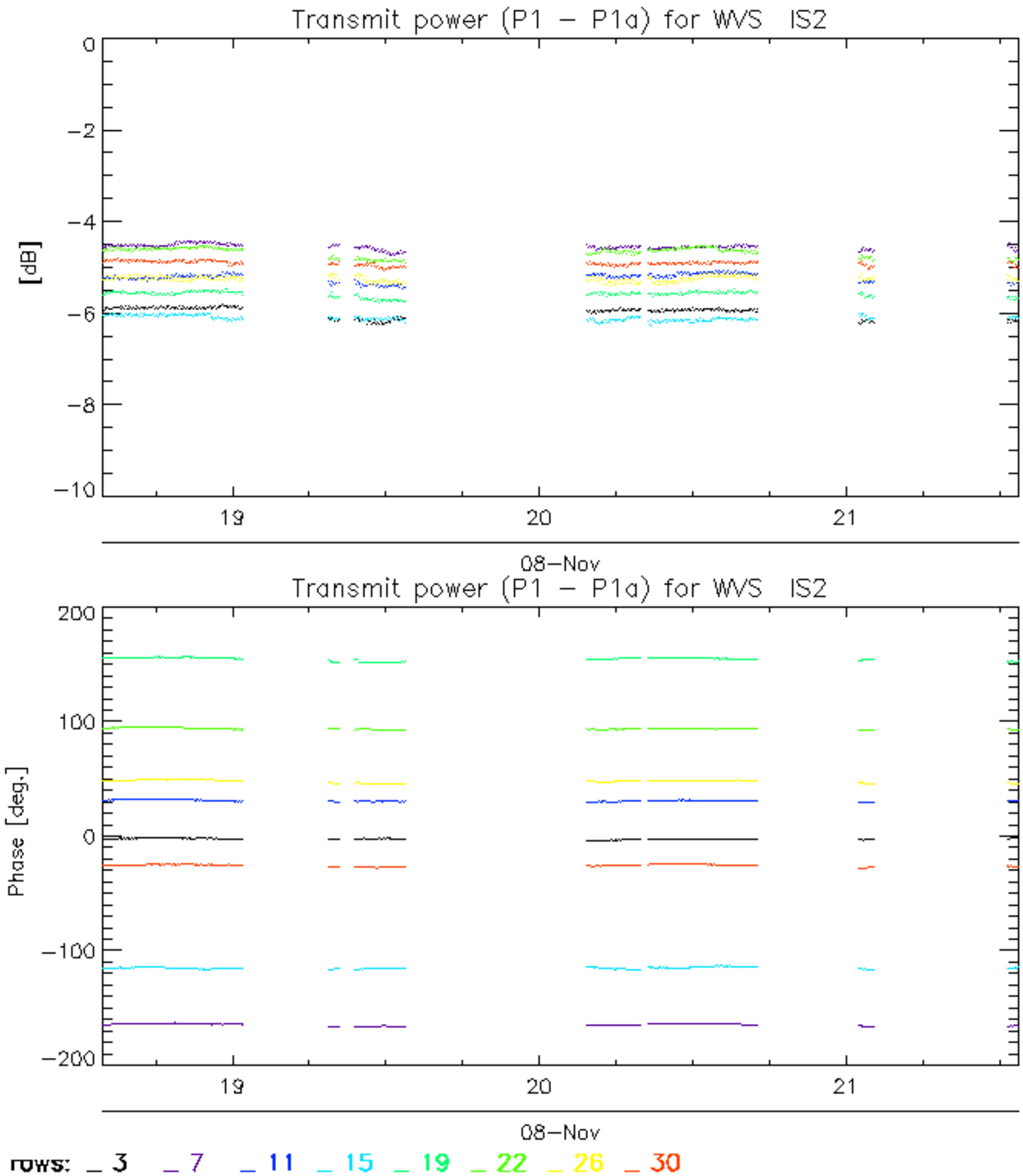

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
9
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
17
18
19
20
21
08–Nov
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
17
18
19
20
21
08–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
5
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
19
20
21
08–Nov
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
19
20
21
08–Nov
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.