PRELIMINARY REPORT OF 061103

last update on Fri Nov 3 16:34:32 GMT 2006

1. Introduction
2. Summary
   - Instrument Unavailability
   - Auxiliary files used
   - Browse Visual Inspection
   - Module Stepping Results
   - Data Analysis
3. Module Stepping
4. Internal Calibration pulses
   - Daily statistics
   - Cyclic statistics
   - cal pulses monitoring (all rows)
5. Raw Data Statistics
   - raw data mean I and Q
   - raw data stdev I and Q
   - raw gain imbalance
6. TLM analysis
7. Wave Doppler analysis
   - Unbiased Doppler Error for WVS
   - Absolute Doppler for WVS
   - Doppler evolution versus ANX for WVS
   - Unbiased Doppler Error for GM1
   - Absolute Doppler for GM1
   - Doppler evolution versus ANX for GM1

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 2006-11-02 00:00:00 to 2006-11-03 16:34:32

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	37	66	18	11	0
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	37	66	18	11	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	37	66	18	11	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	37	66	18	11	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	50	62	22	6	45
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	50	62	22	6	45
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	50	62	22	6	45
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	50	62	22	6	45

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	20061103 063528
H	20061102 070705

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	-3.951129	0.009689	-0.017455
7	P1	-3.102628	0.017129	-0.105635
11	P1	-4.107224	0.025155	-0.062171
15	P1	-6.234551	0.016032	-0.117392
19	P1	-3.590943	0.068043	-0.101760
22	P1	-4.643422	0.134748	-0.136624
26	P1	-4.001011	0.129903	0.026240
30	P1	-5.885441	0.247225	-0.051663
3	P1	-16.586256	0.215374	0.283794
7	P1	-17.157043	0.170693	-0.221104
11	P1	-17.071667	0.428031	-0.110099
15	P1	-12.917745	0.117744	-0.375282
19	P1	-14.791879	0.377668	-0.369292
22	P1	-15.664181	0.492514	-0.563841
26	P1	-15.074314	0.255351	-0.053910
30	P1	-17.091787	0.691444	-0.737478

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.834743	0.088876	-0.054954
7	P2	-21.750492	0.096013	0.068695
11	P2	-15.699713	0.108091	0.109317
15	P2	-7.082598	0.109100	-0.108737
19	P2	-9.144030	0.102473	-0.120049
22	P2	-18.166788	0.097290	-0.157991
26	P2	-16.459595	0.107956	-0.187191
30	P2	-19.466356	0.092382	-0.033669

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.210050	0.007593	-0.058644
7	P3	-8.210050	0.007593	-0.058644
11	P3	-8.210050	0.007593	-0.058644
15	P3	-8.210050	0.007593	-0.058644
19	P3	-8.210050	0.007593	-0.058644
22	P3	-8.210050	0.007593	-0.058644
26	P3	-8.209937	0.007614	-0.058919
30	P3	-8.209937	0.007614	-0.058919

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	-3.926767	0.206661	0.117758
7	P1	-2.632398	1.310327	0.533807
11	P1	-2.907441	0.159776	0.209302
15	P1	-3.702615	0.144574	0.163528
19	P1	-3.524181	0.167764	-0.144328
22	P1	-5.072381	0.123520	-0.030315
26	P1	-6.002113	0.317975	-0.203473
30	P1	-5.299959	0.207493	-0.204332
3	P1	-11.760111	0.501736	0.293771
7	P1	-10.167782	1.660958	0.668551
11	P1	-10.433458	0.446601	0.531599
15	P1	-10.904123	0.589450	0.709282
19	P1	-15.766954	3.020862	-0.546596
22	P1	-21.108963	1.676576	-0.889789

26	P1	-15.920426	0.468507	-0.605661
30	P1	-18.001770	0.553733	0.383552

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.372196	0.303914	-0.379608
7	P2	-22.016100	1.731383	-0.958680
11	P2	-10.864210	0.264182	-0.322315
15	P2	-4.911608	0.057197	-0.185271
19	P2	-6.892040	0.084852	-0.177937
22	P2	-8.266963	0.526709	0.087083
26	P2	-24.144234	1.323150	-0.765012
30	P2	-21.864735	0.668109	-0.384478

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.066113	0.003198	-0.054935
7	P3	-8.066128	0.003175	-0.055608
11	P3	-8.066033	0.003182	-0.055771
15	P3	-8.066034	0.003176	-0.054920
19	P3	-8.066058	0.003171	-0.055113
22	P3	-8.065924	0.003186	-0.055657
26	P3	-8.065808	0.003165	-0.056598
30	P3	-8.065831	0.003164	-0.056123

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	0.000557793
	stdev	1.69415e-07
MEAN Q	mean	0.000523105
	stdev	2.16425e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137556
	stdev	0.00110499
STDEV Q	mean	0.137924
	stdev	0.00112212

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006110[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_GM1_1PNPDK20061102_203159_000007372052_00343_24445_7869.N1	0	9
ASA_WSM_1PNPDE20061101_003703_000001412052_00317_24419_0001.N1	0	34
ASA_WSM_1PNPDE20061101_060109_000001282052_00320_24422_0001.N1	33	1716
ASA_WSM_1PNPDE20061101_163956_000004282052_00327_24429_0001.N1	0	65
ASA_WSM_1PNPDE20061102_000626_000002022052_00331_24433_0001.N1	0	35

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.5 - Absolute Doppler for GM1

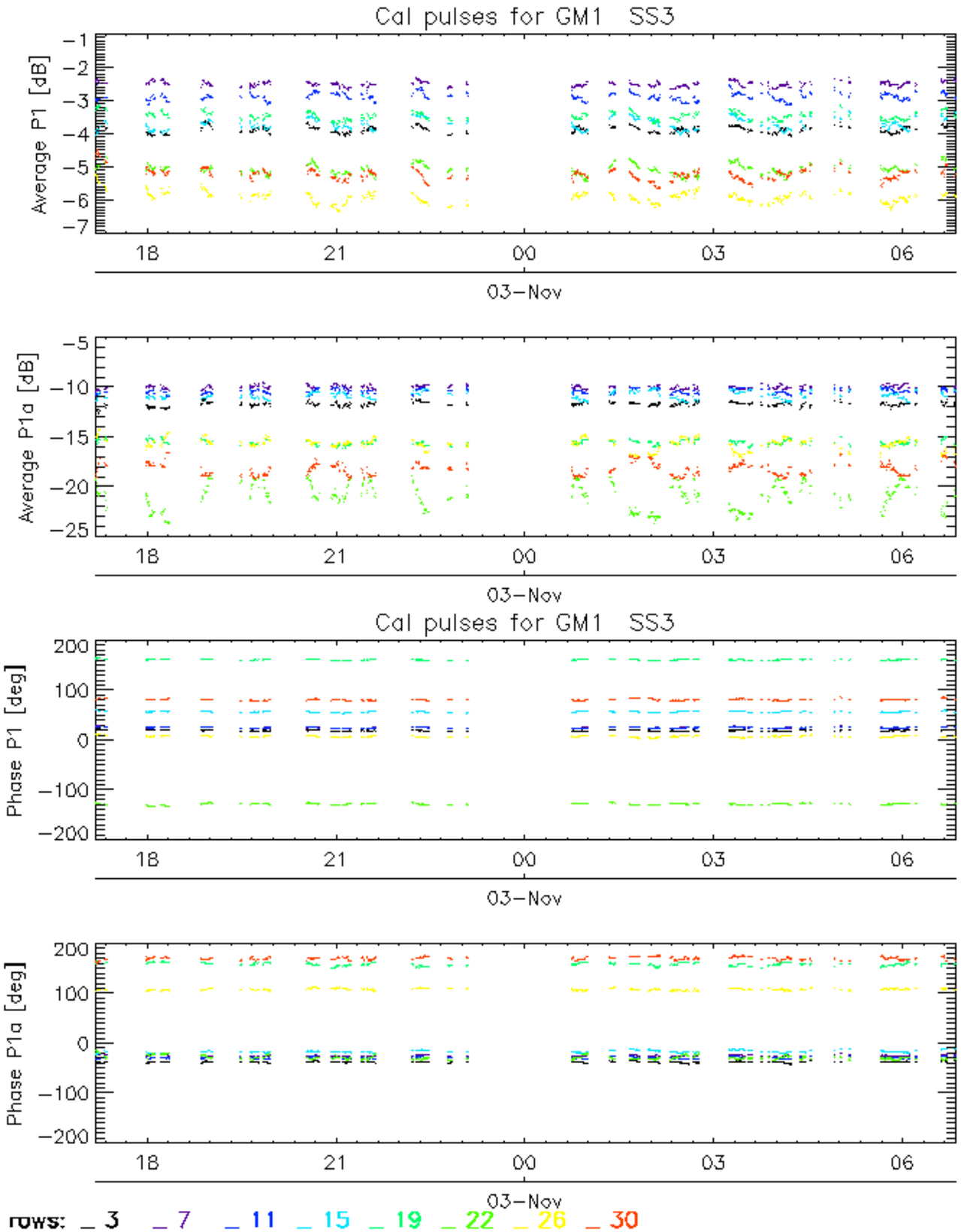
Evolution of Absolute Doppler

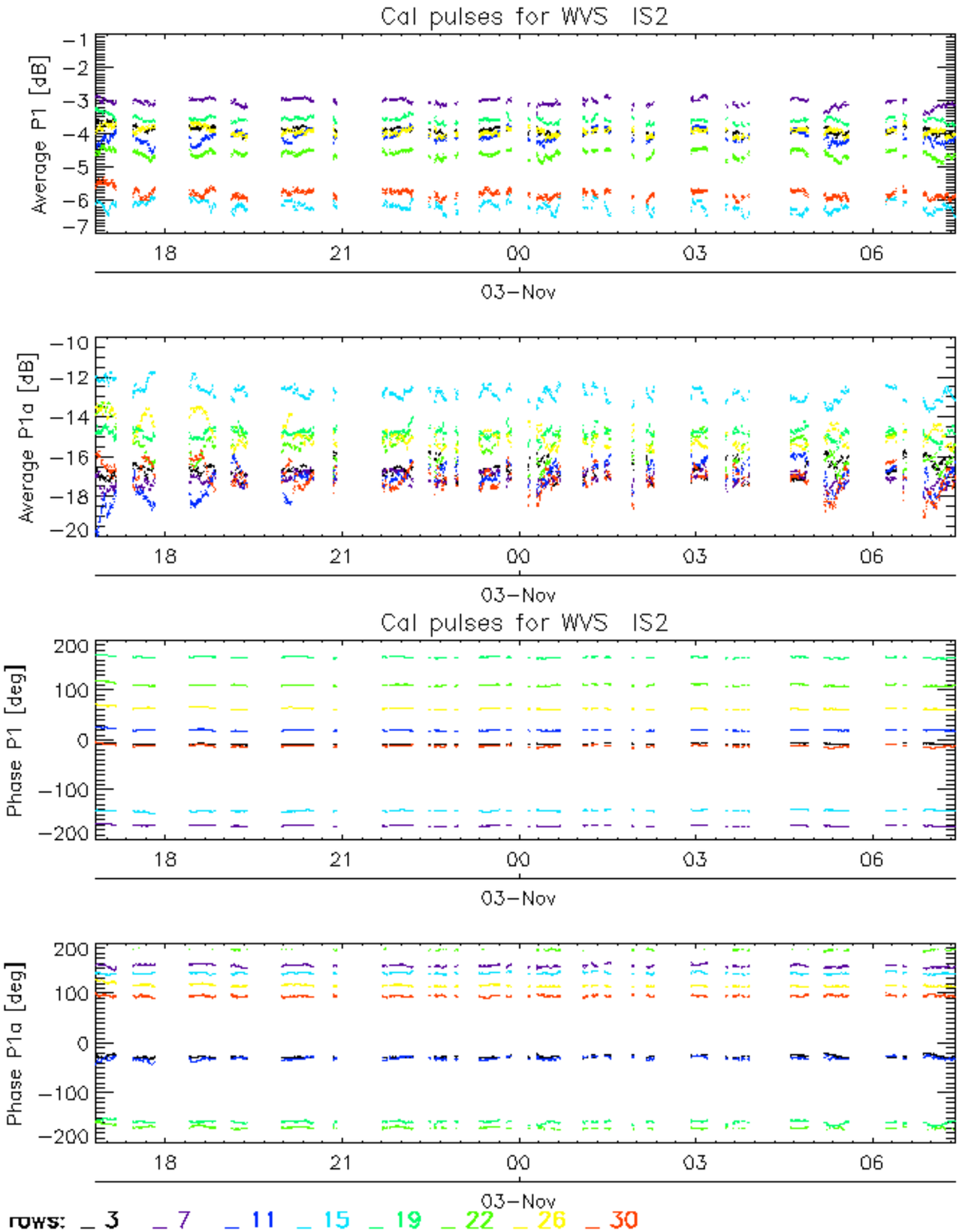
Acsending

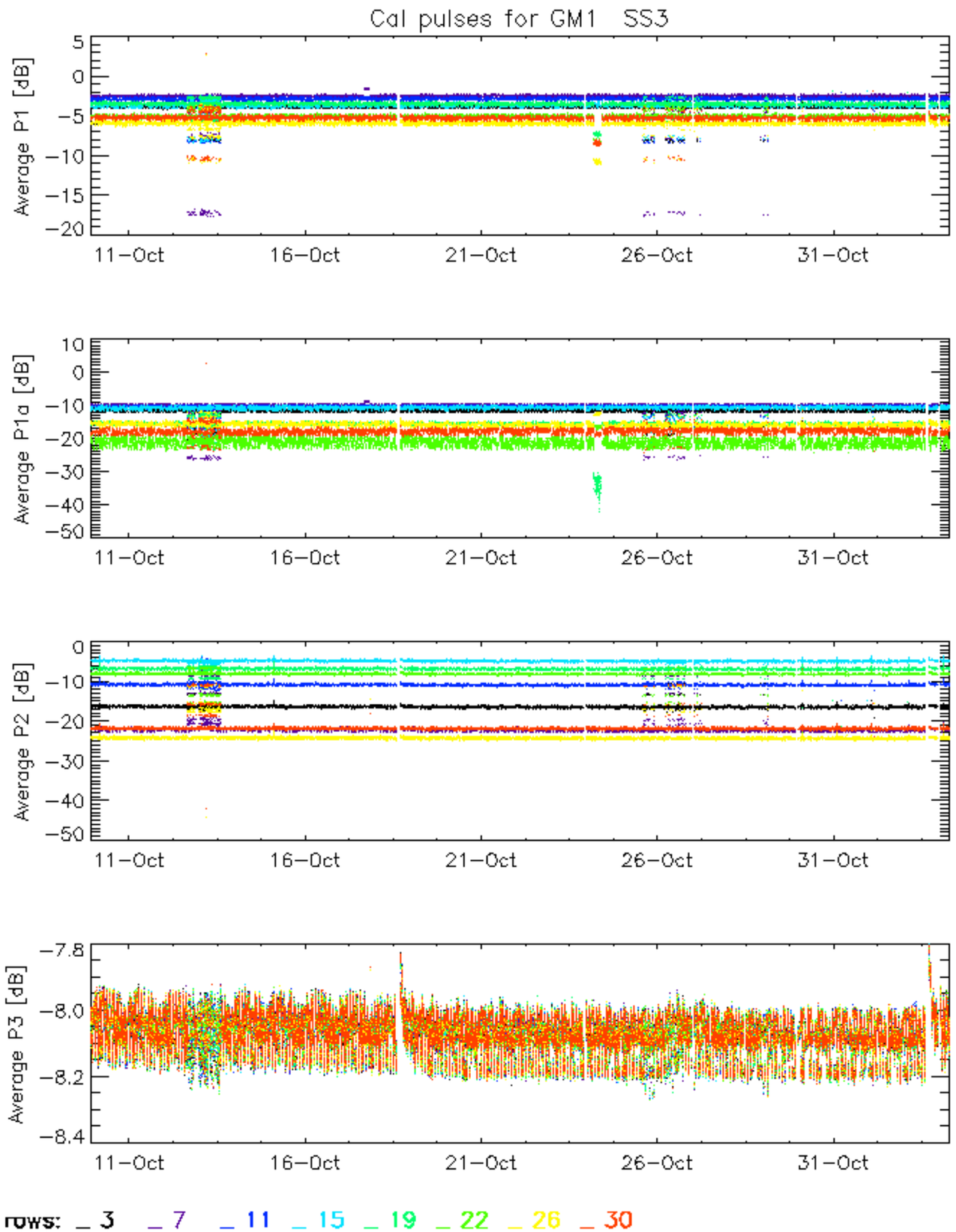
Descending

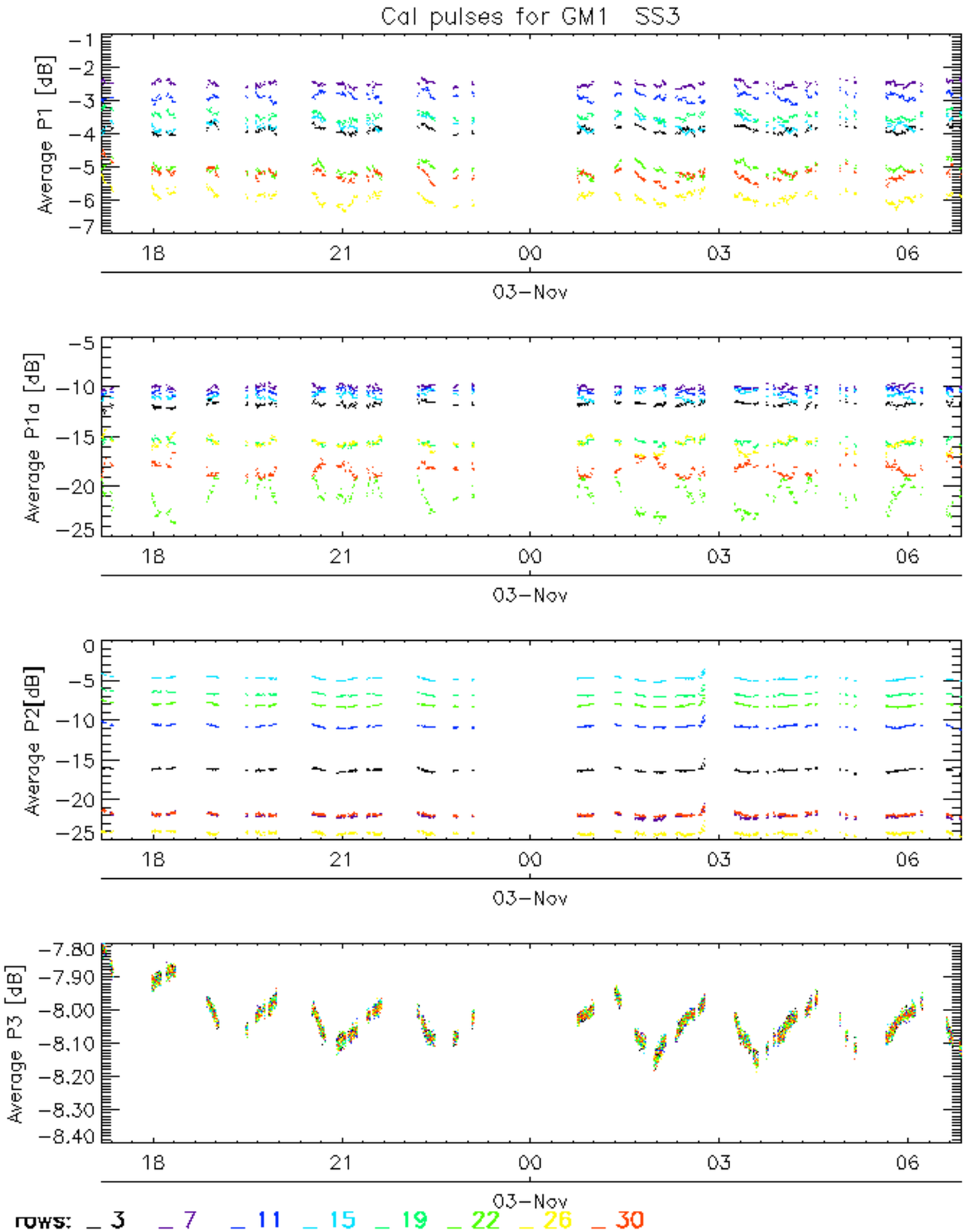
7.6 - Doppler evolution versus ANX for GM1

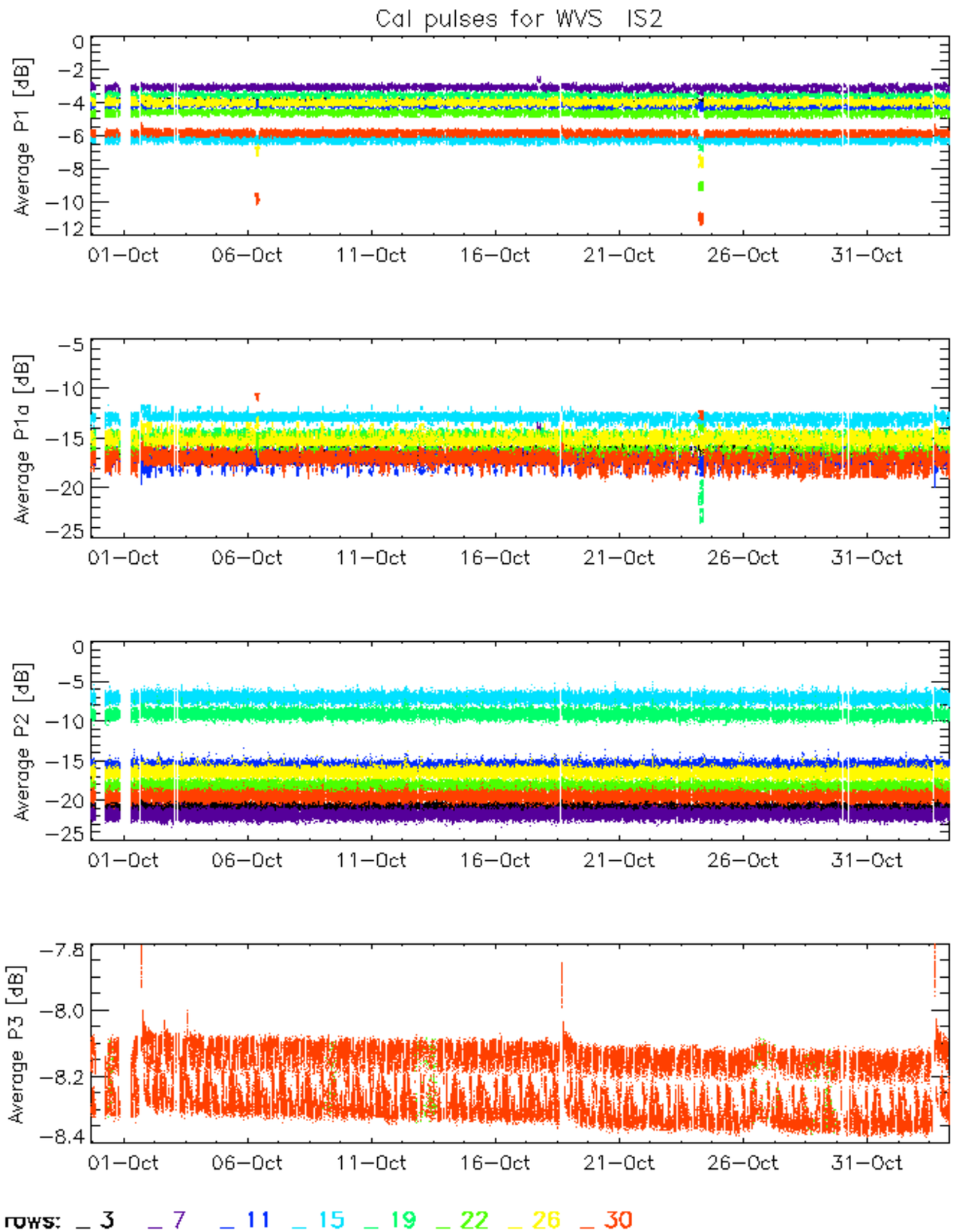
Evolution Doppler error versus ANX

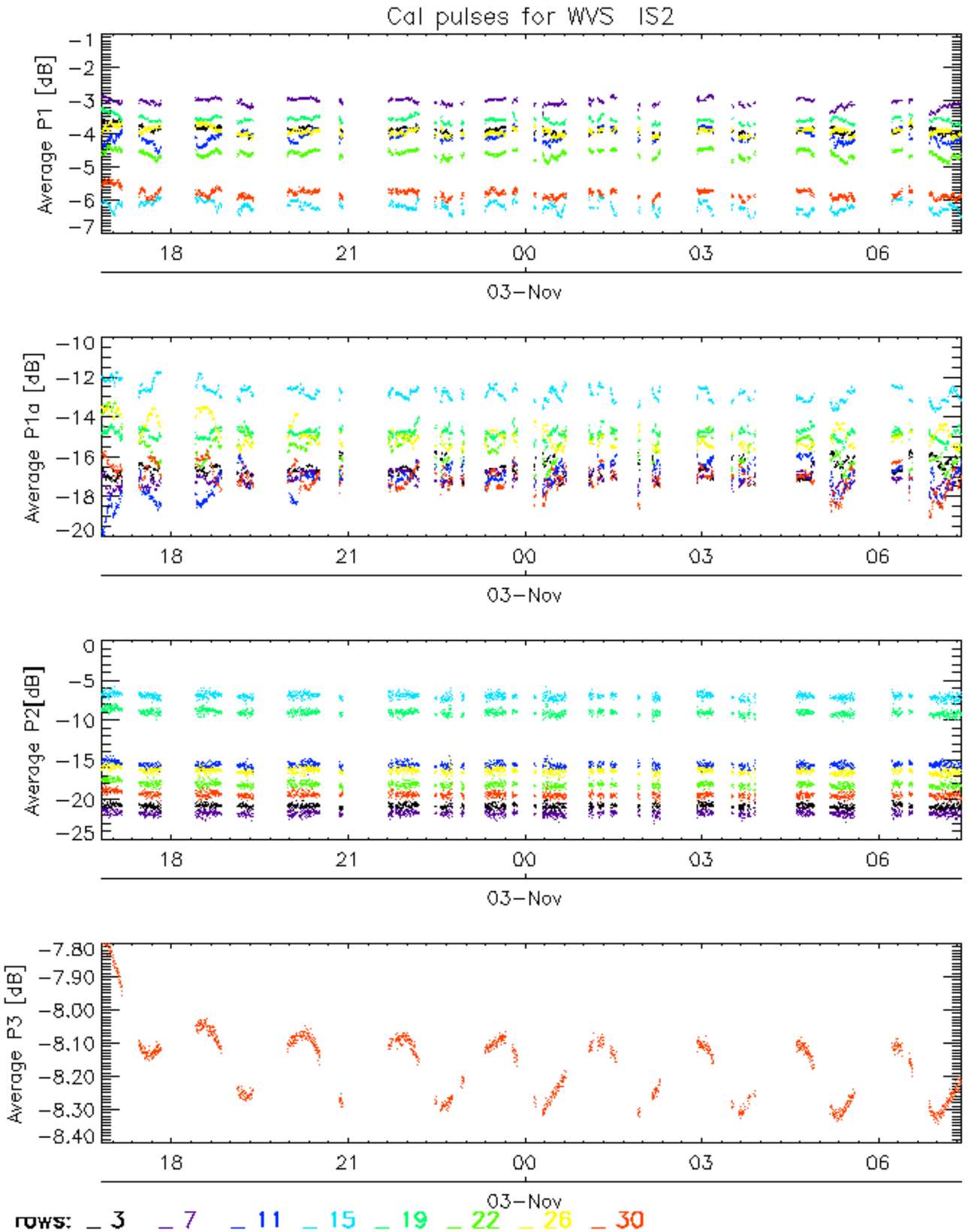


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
03−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
03−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Nov
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
03−Nov
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
03−Nov
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
03−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
03−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
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

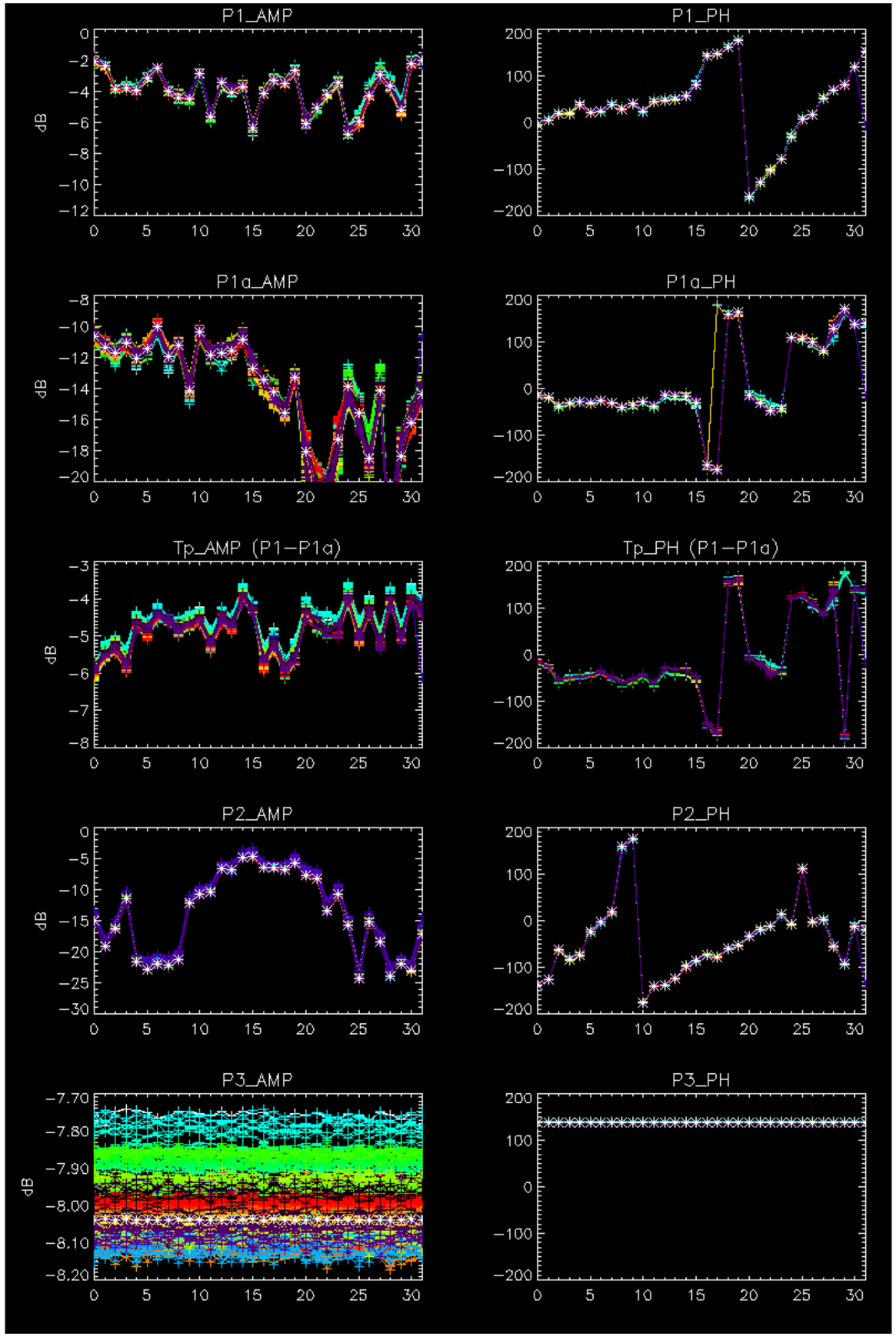

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
03−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
03−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
03−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
03−Nov
rows: _ 3 _ 7 _ 11 _ 15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

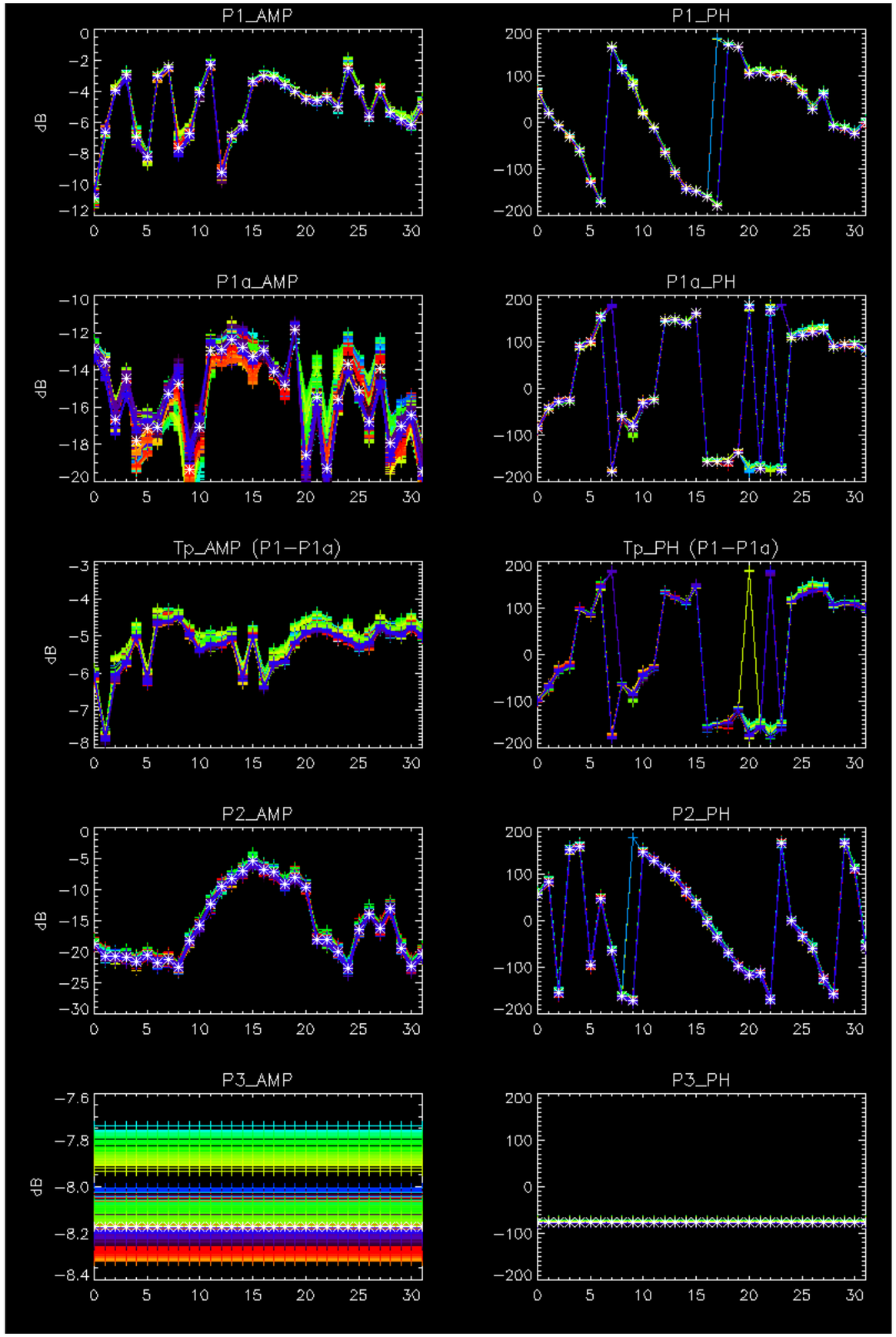

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
03−Nov
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
03−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
03−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
03−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

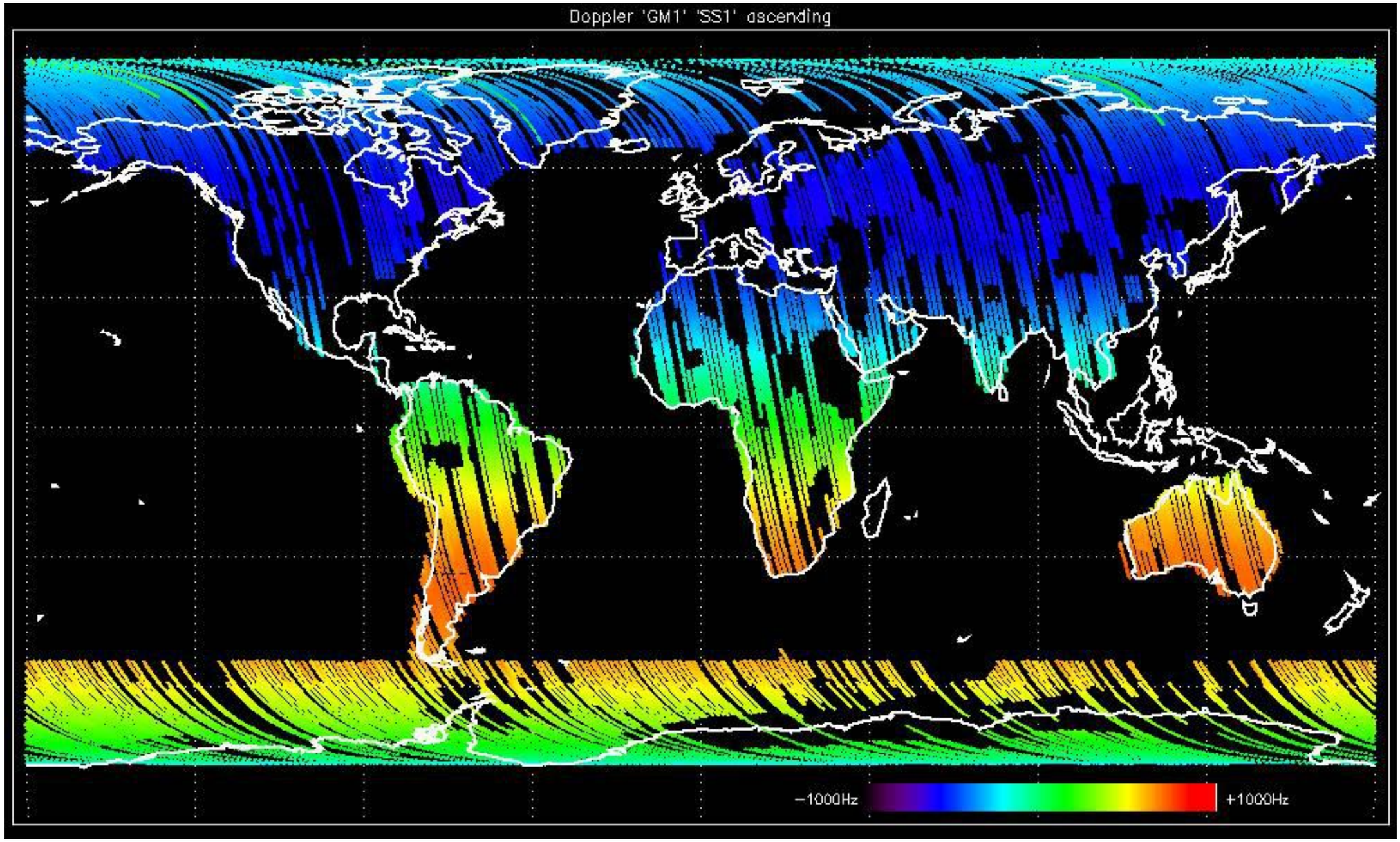
No anomalies observed.

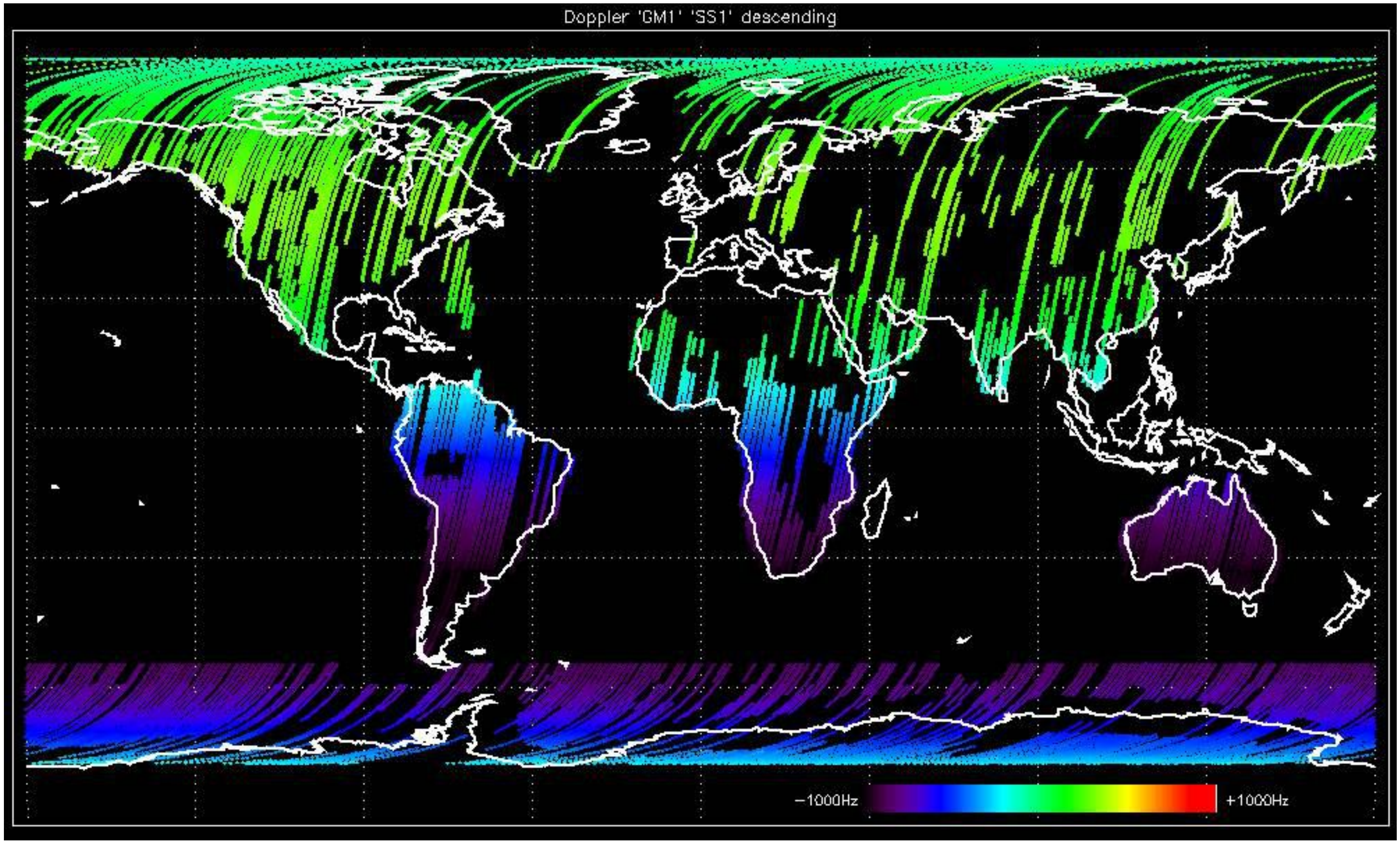

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

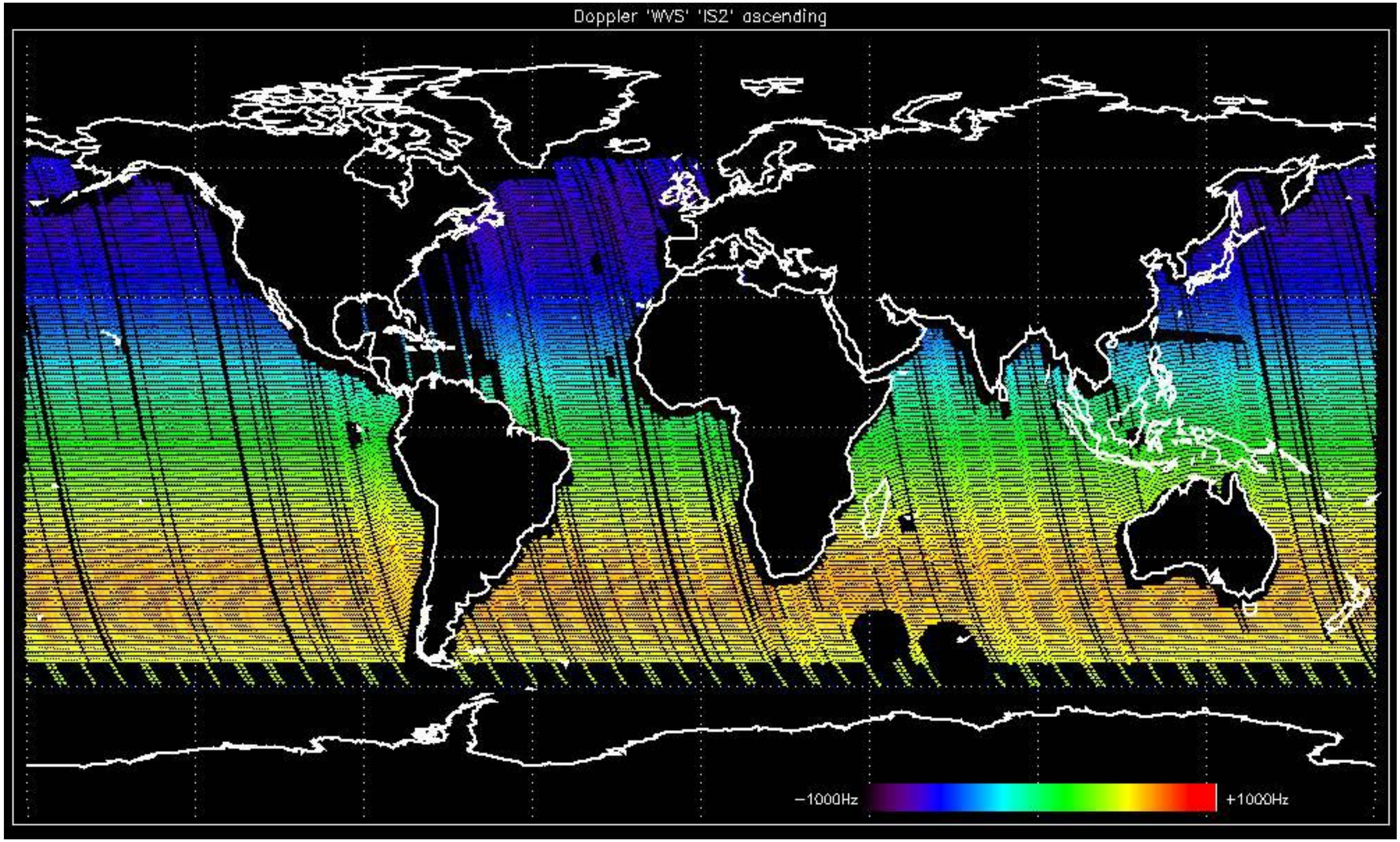

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

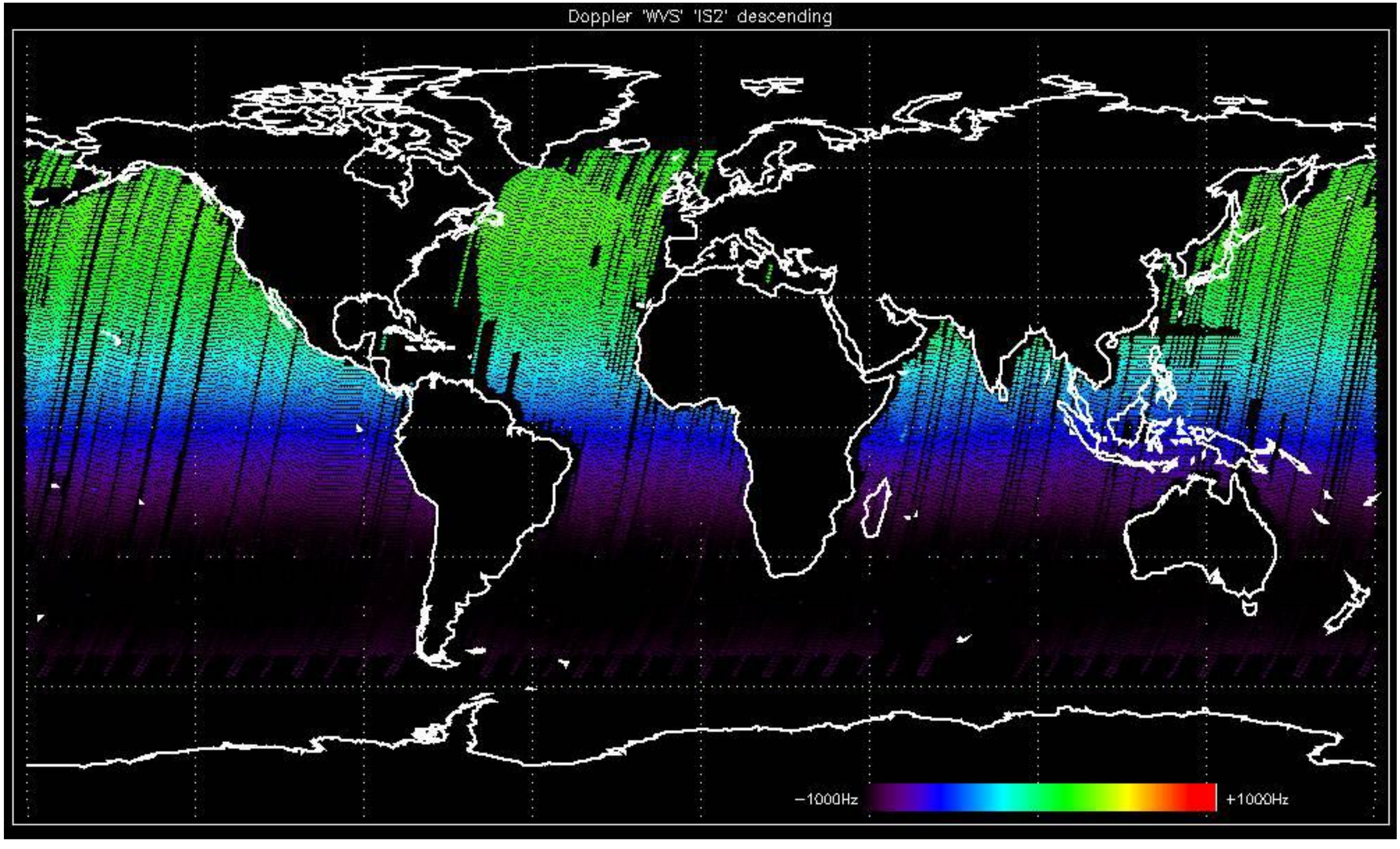
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

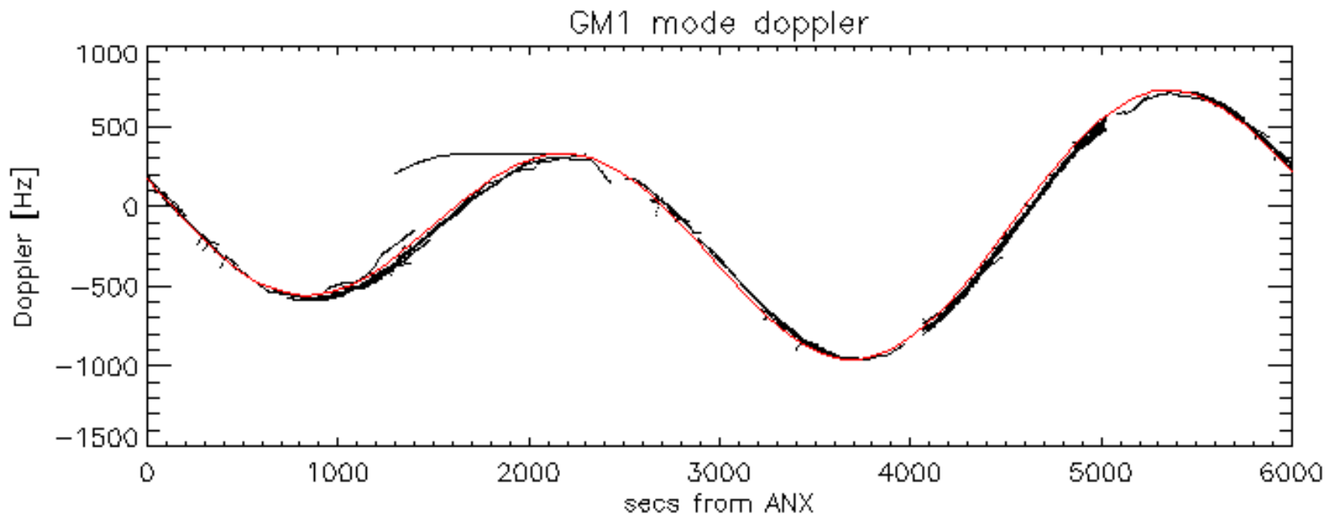
Preliminary report.The data is not yet controled

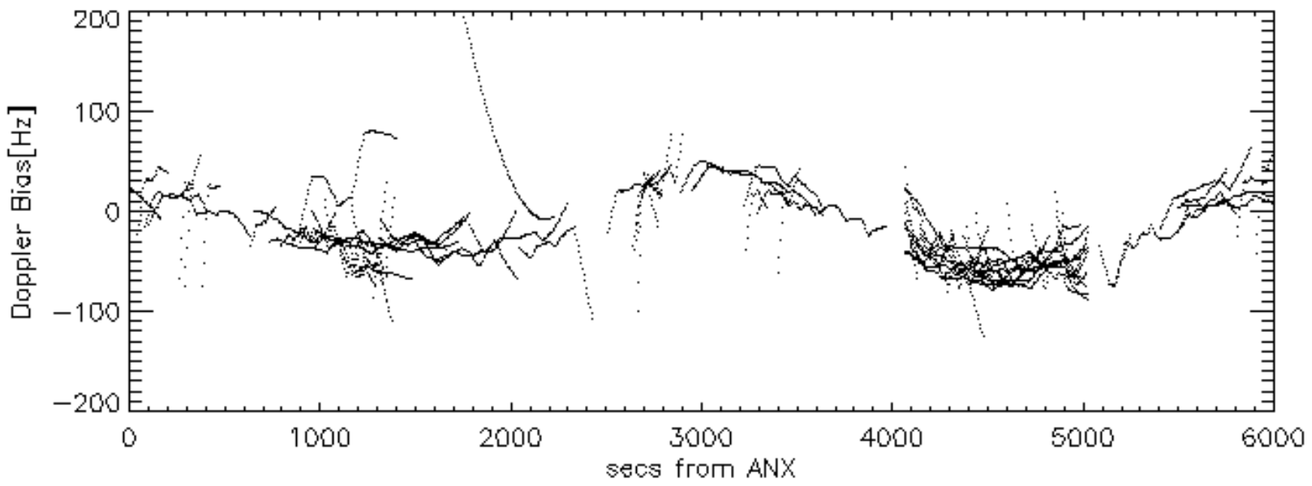

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

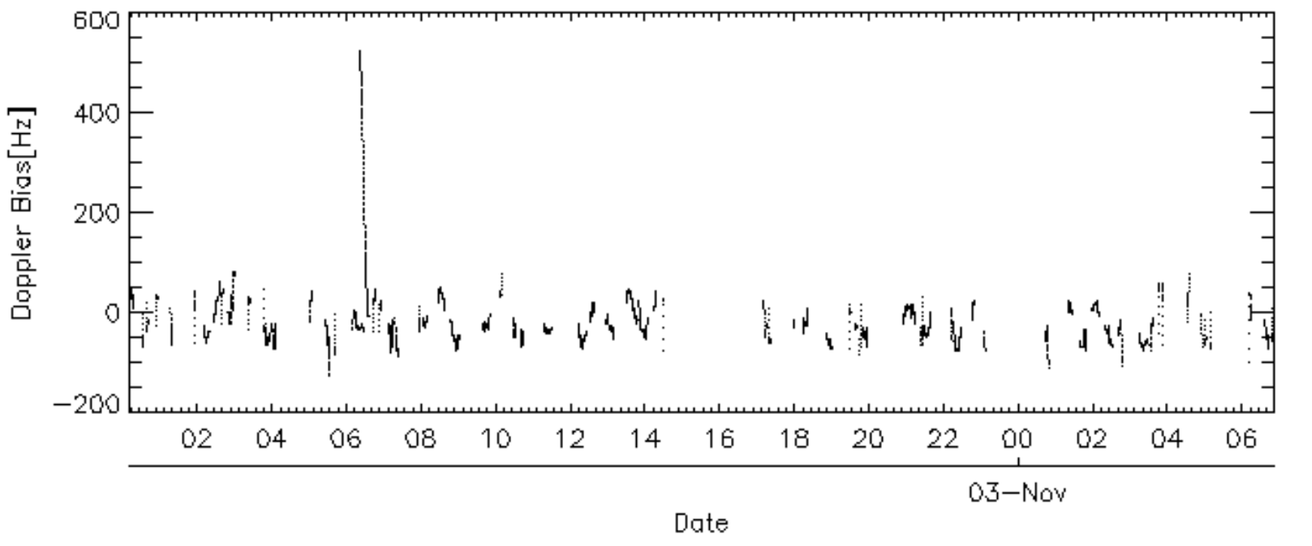

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

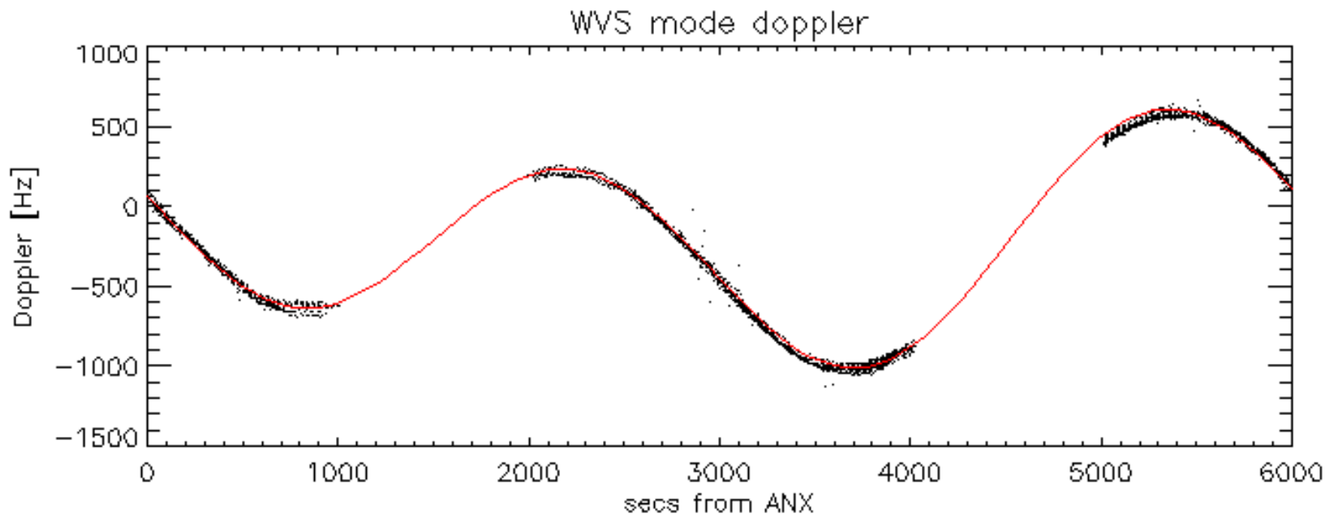

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

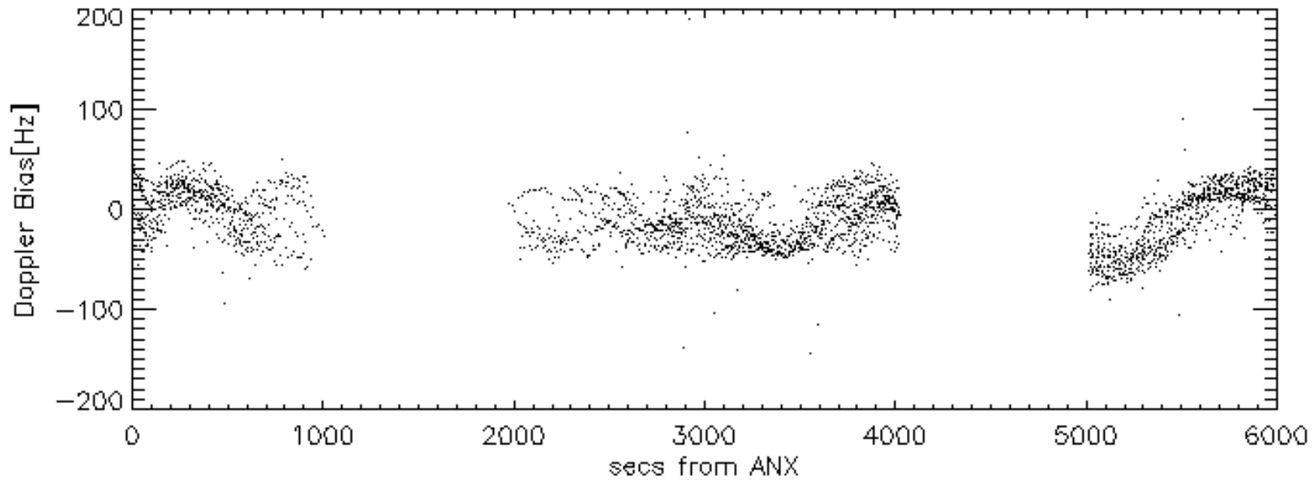

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

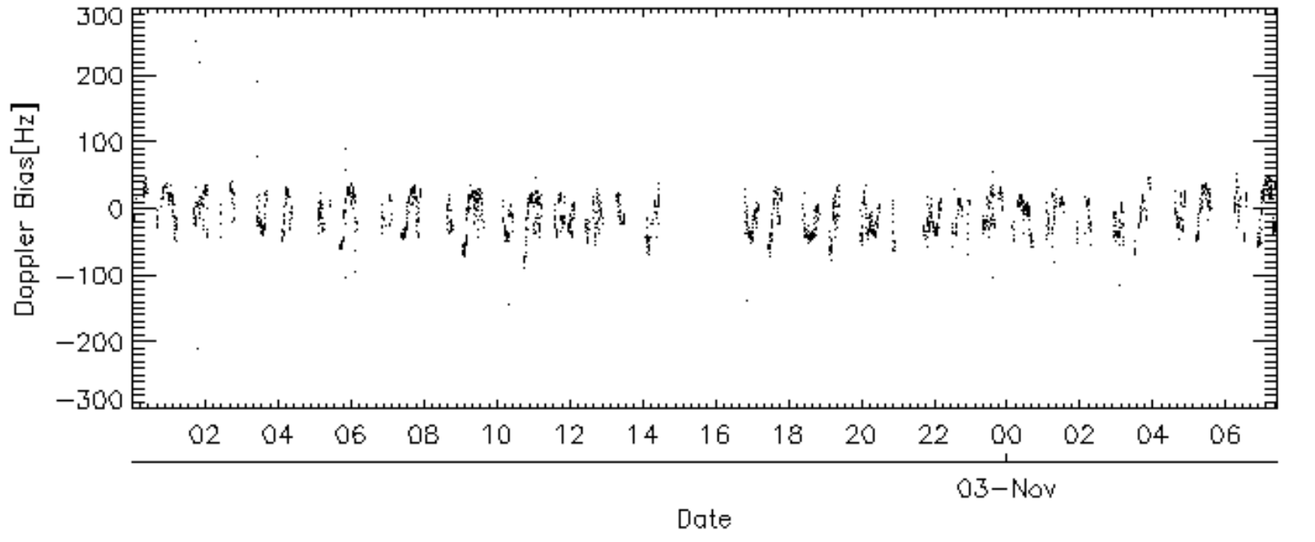

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

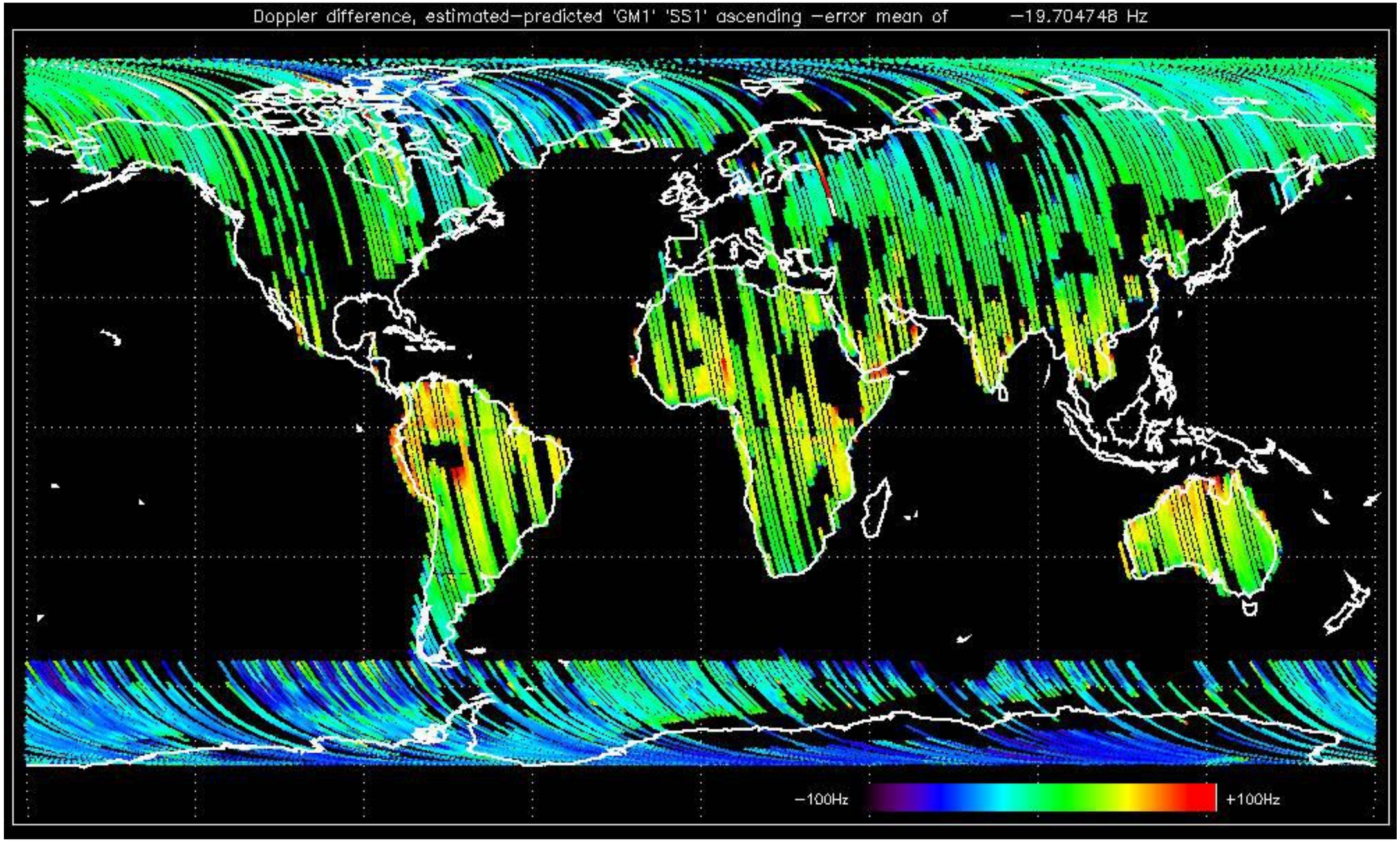

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

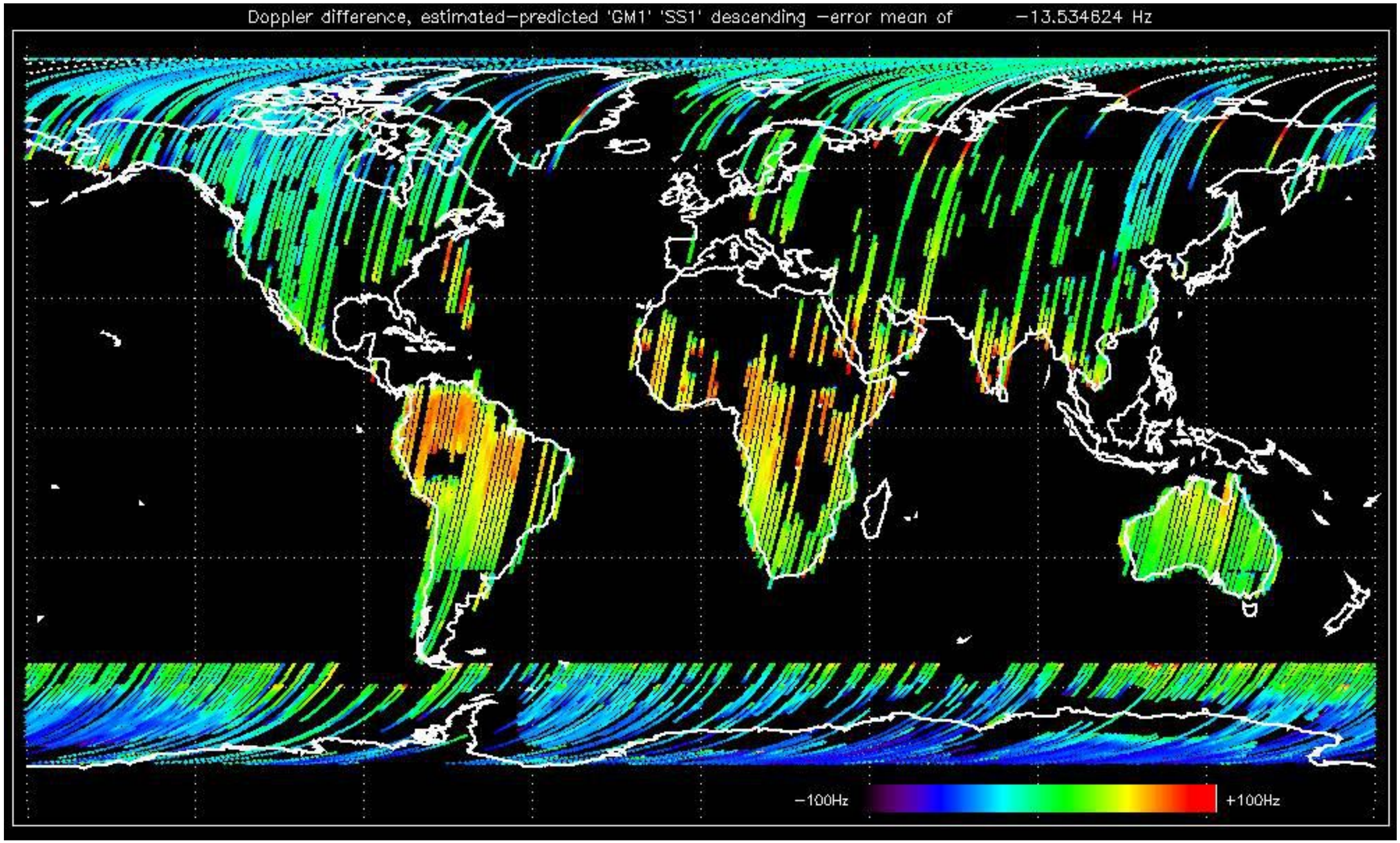

Doppler Bias[Hz]
600
400
200
0
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
03−Nov
Date

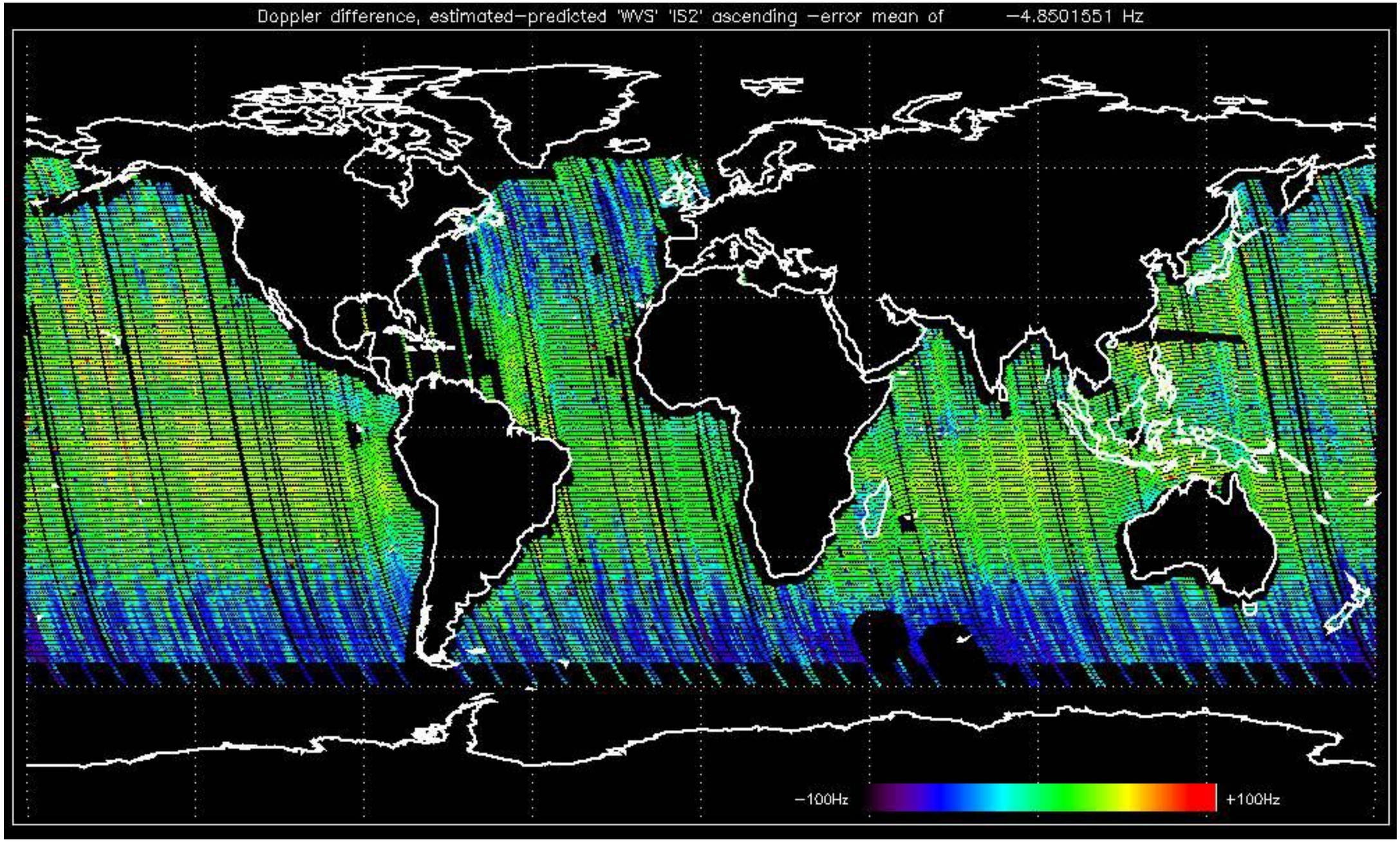

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

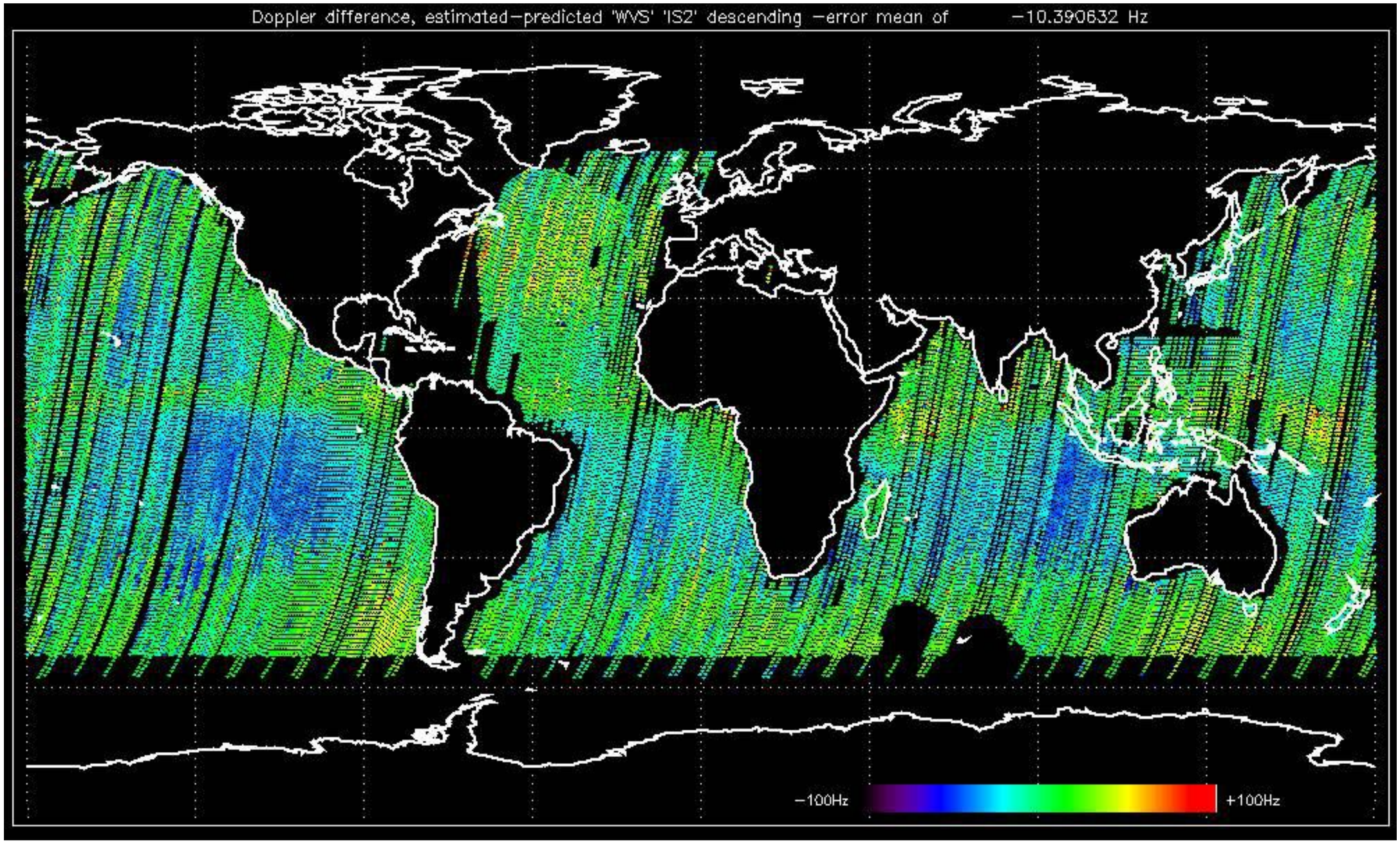

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.704748 Hz
−100Hz
+100Hz

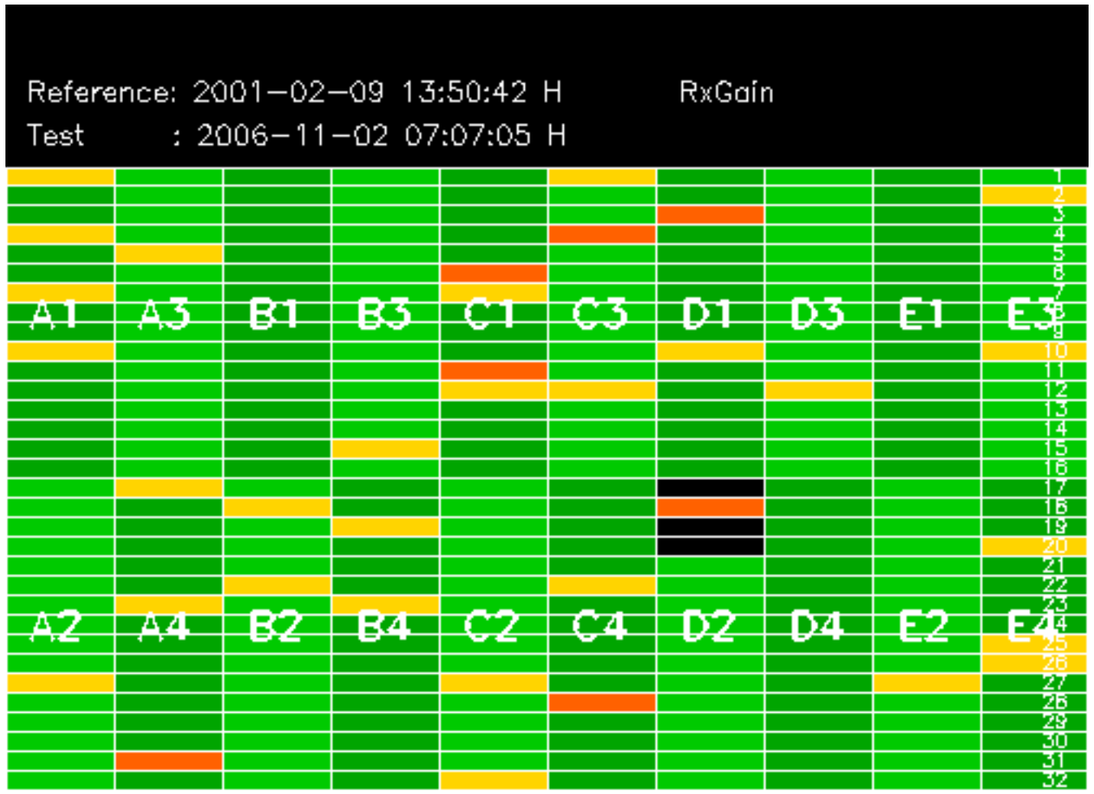

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.534624 Hz
−100Hz
+100Hz

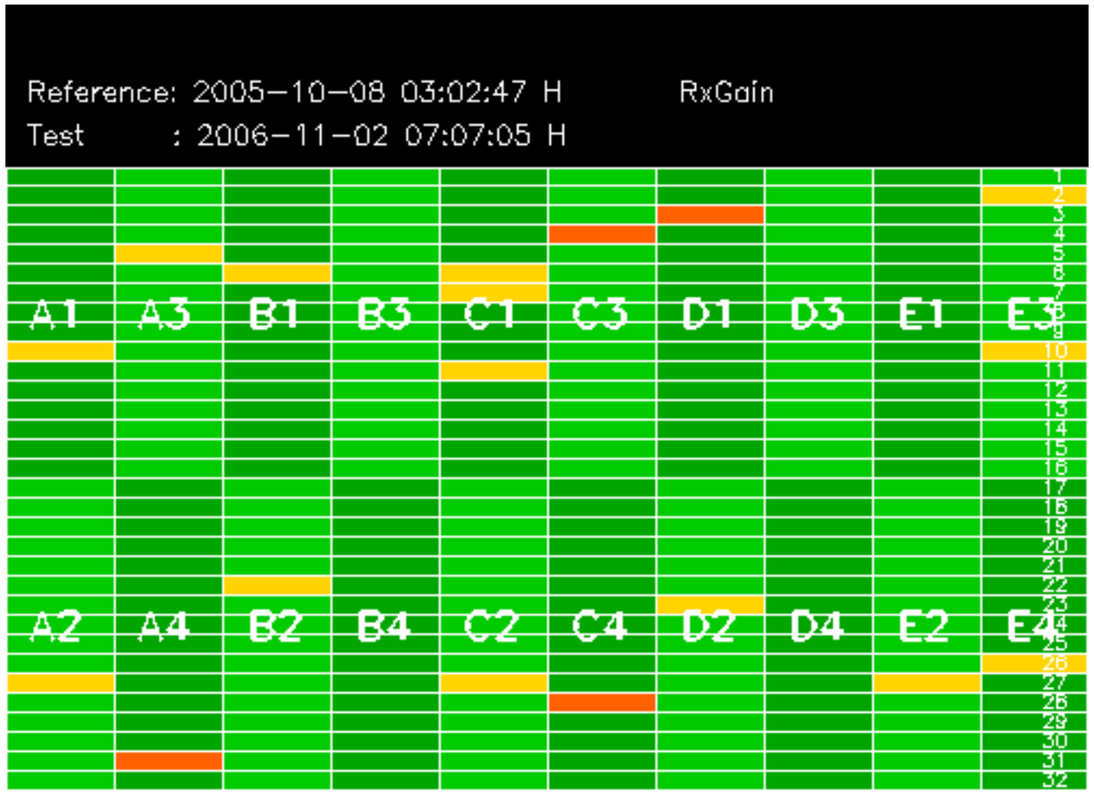

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −4.8501551 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.390632 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-02 07:07:05 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 : 2006-11-02 07:07:05 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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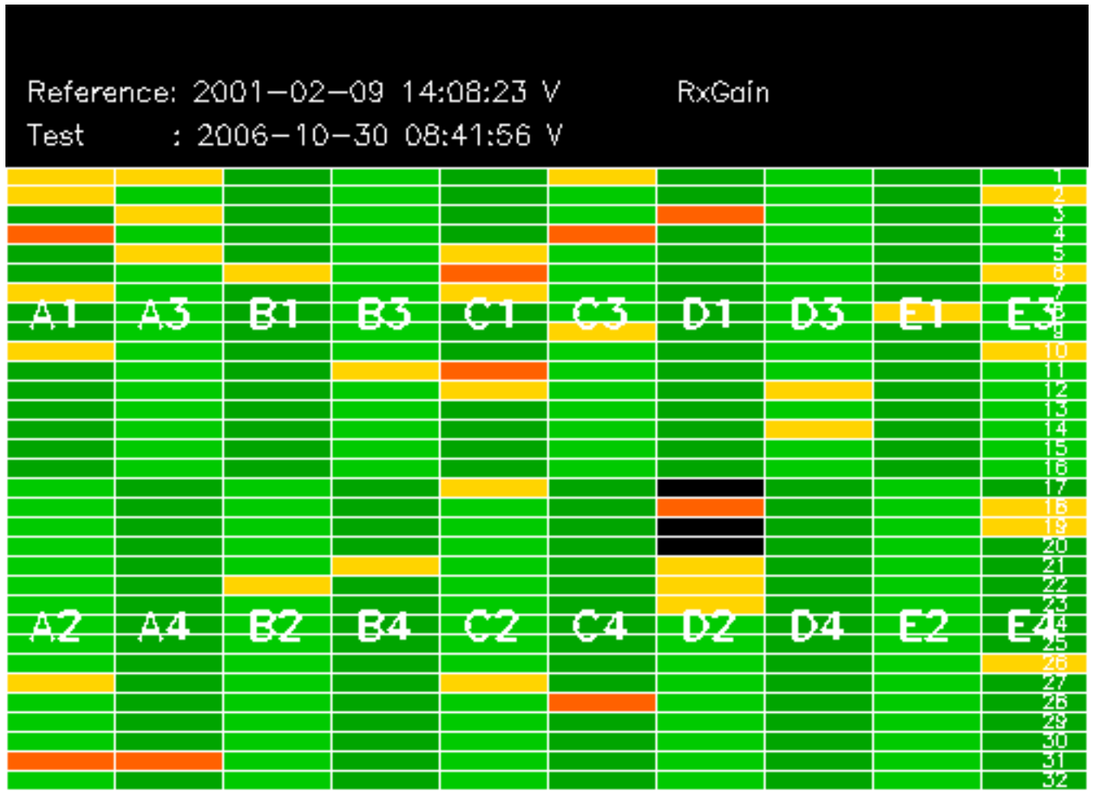
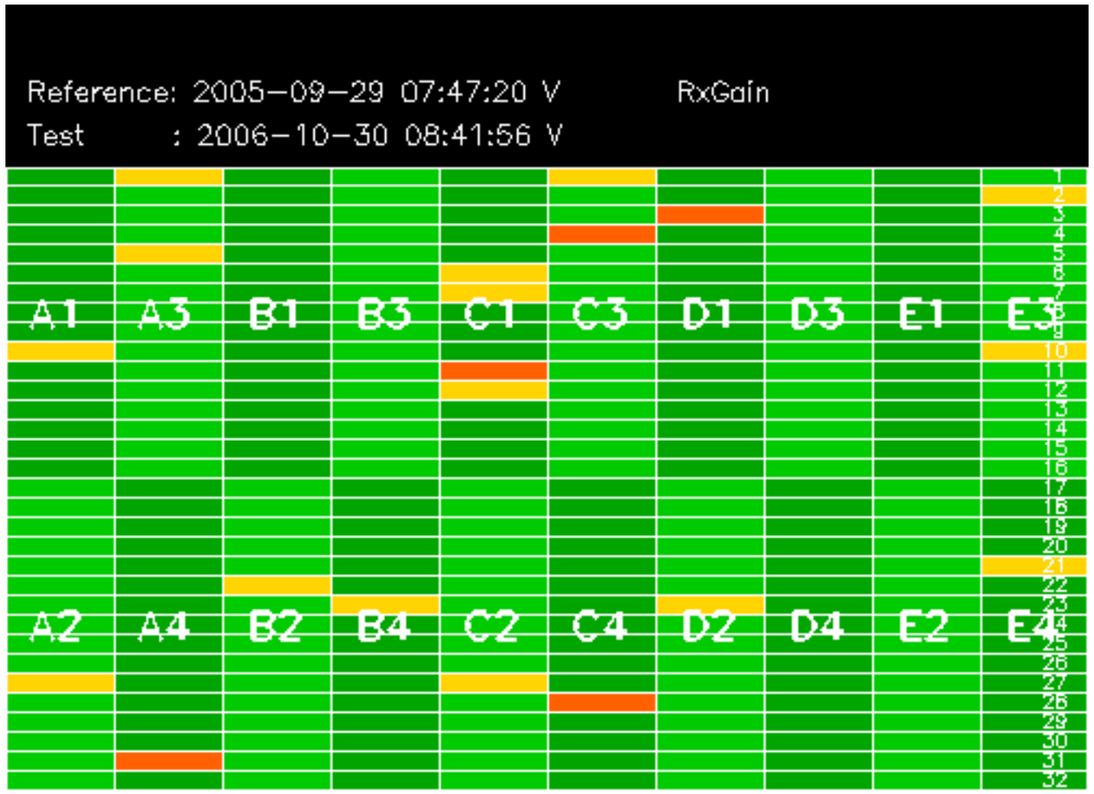

Reference: 2001-02-09 14:08:23 V
Test : 2006-10-30 08:41:56 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-10-30 08:41:56 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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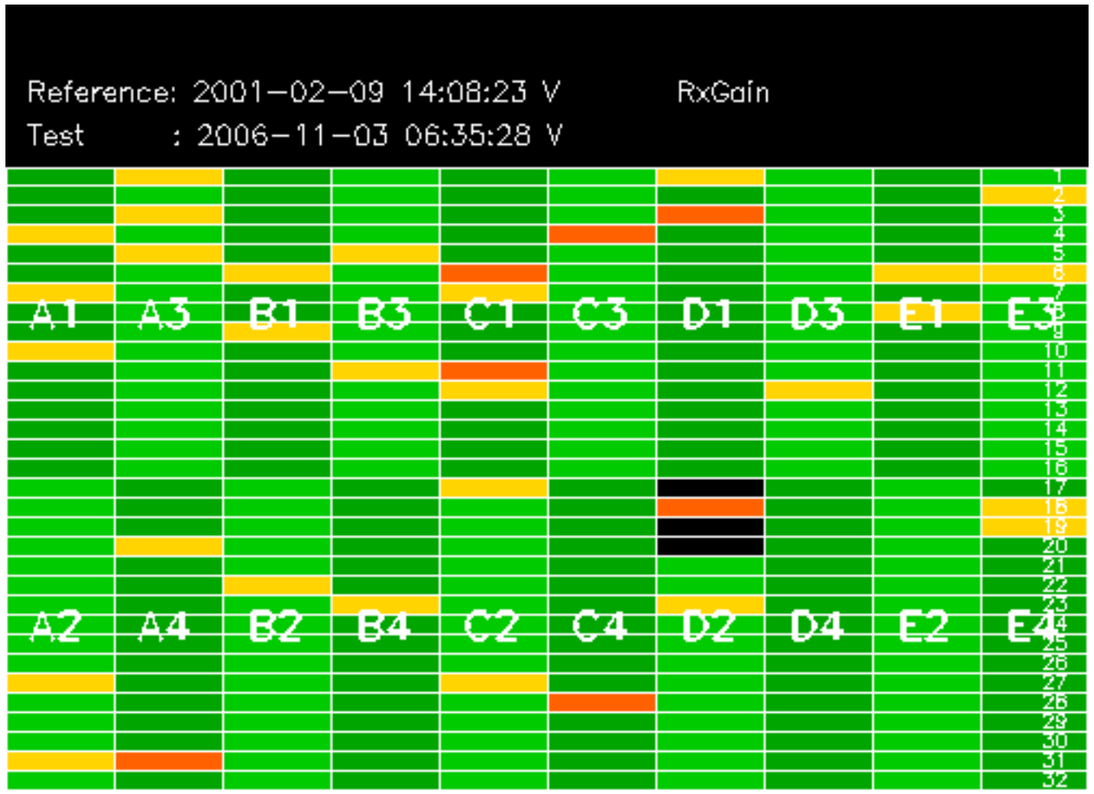
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-03 06:35:28 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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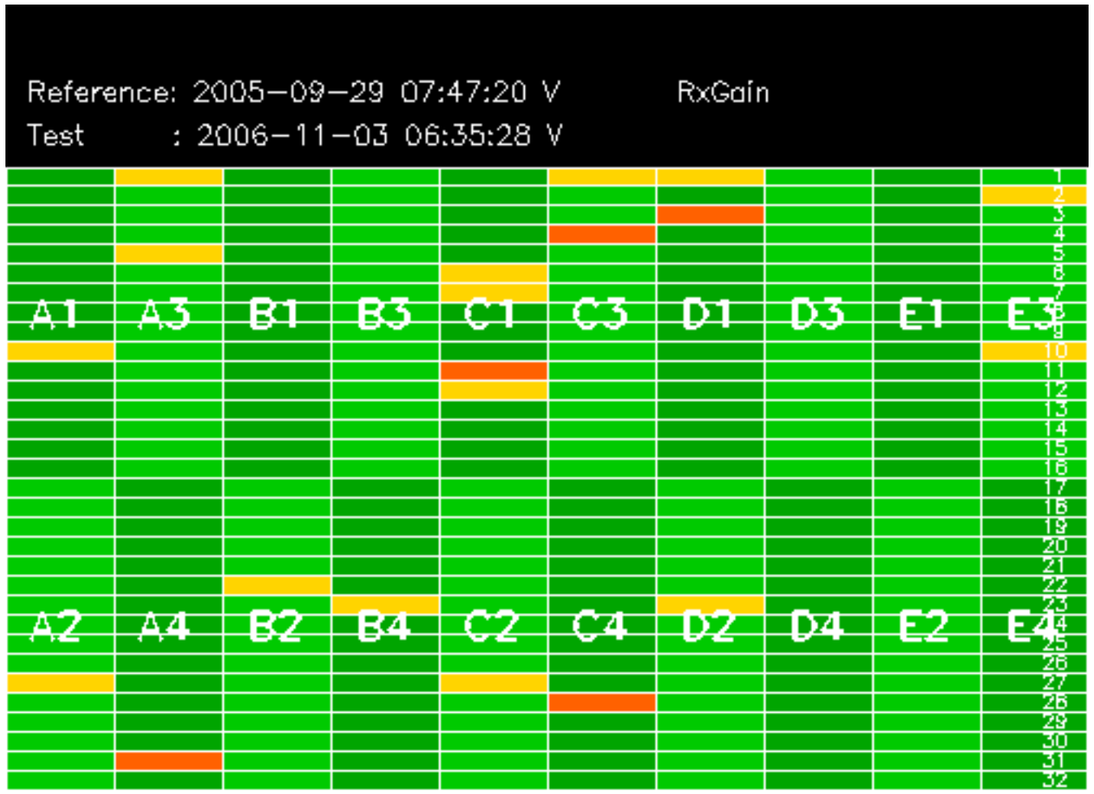
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-03 06:35:28 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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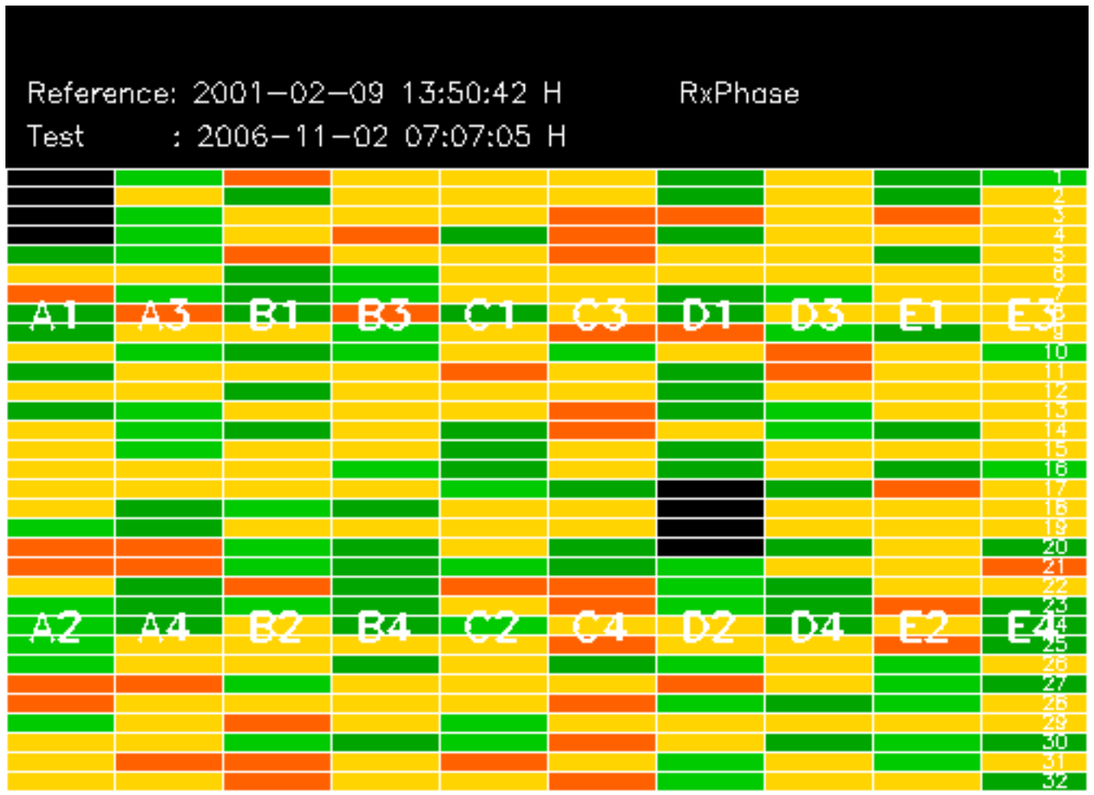
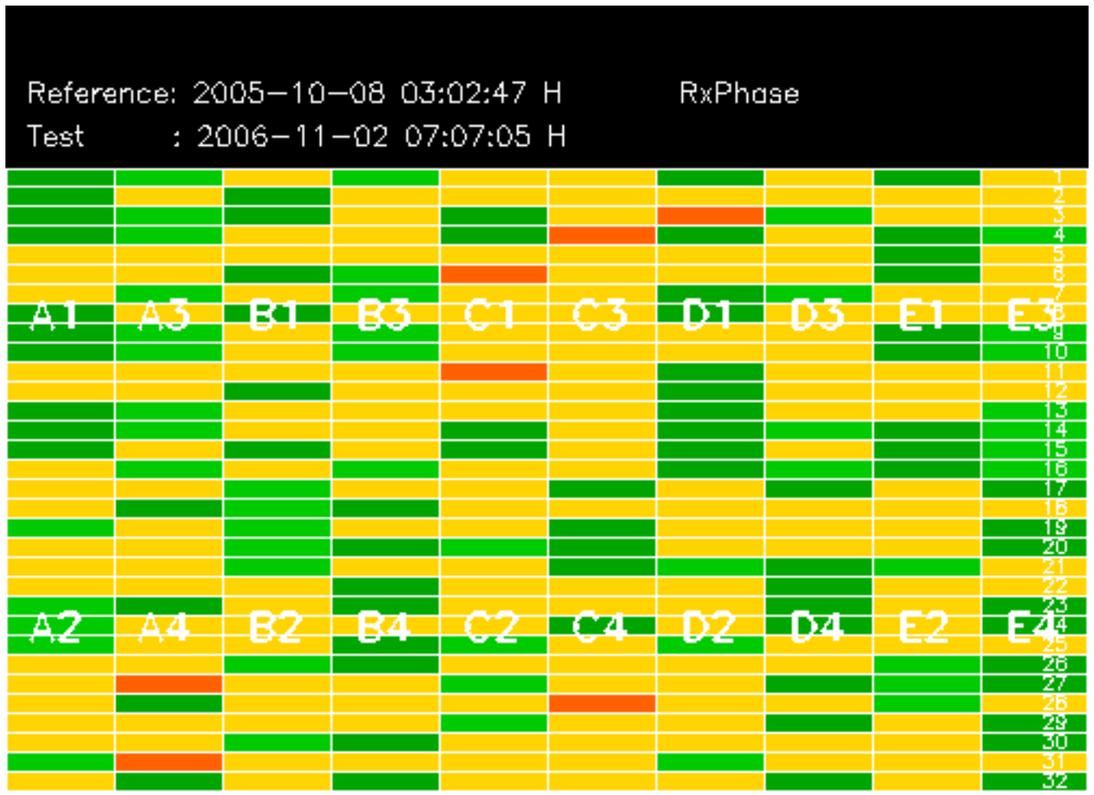
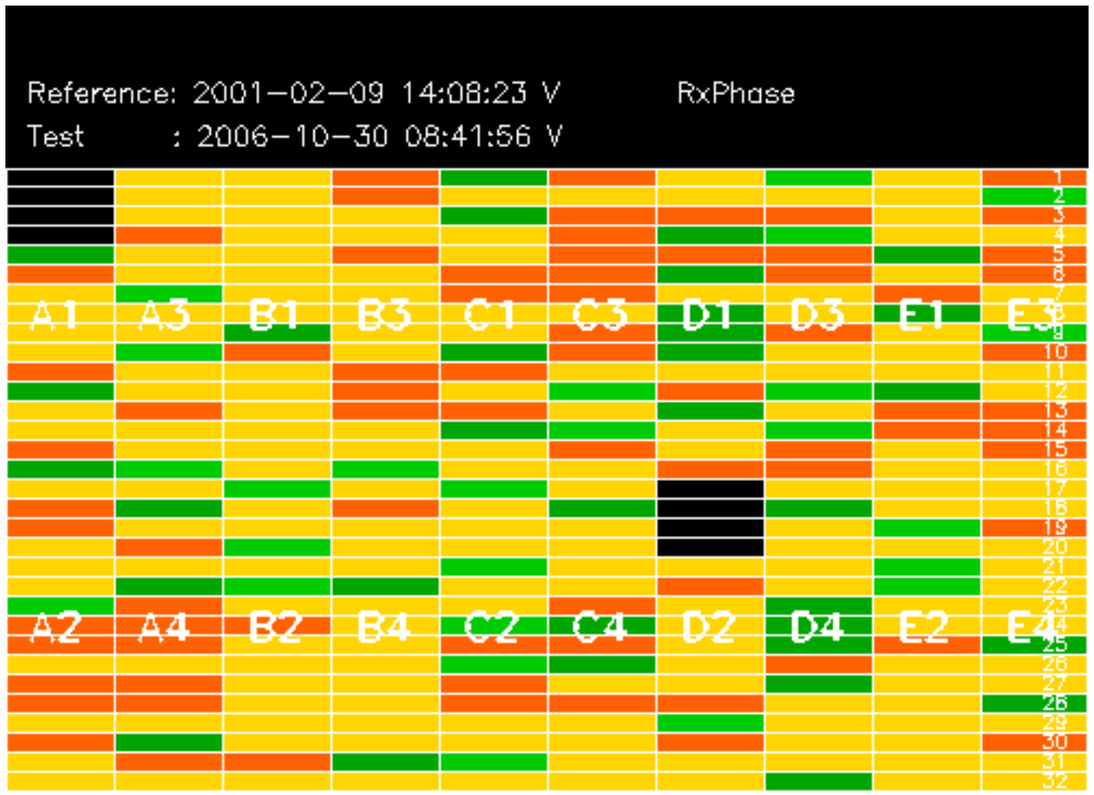
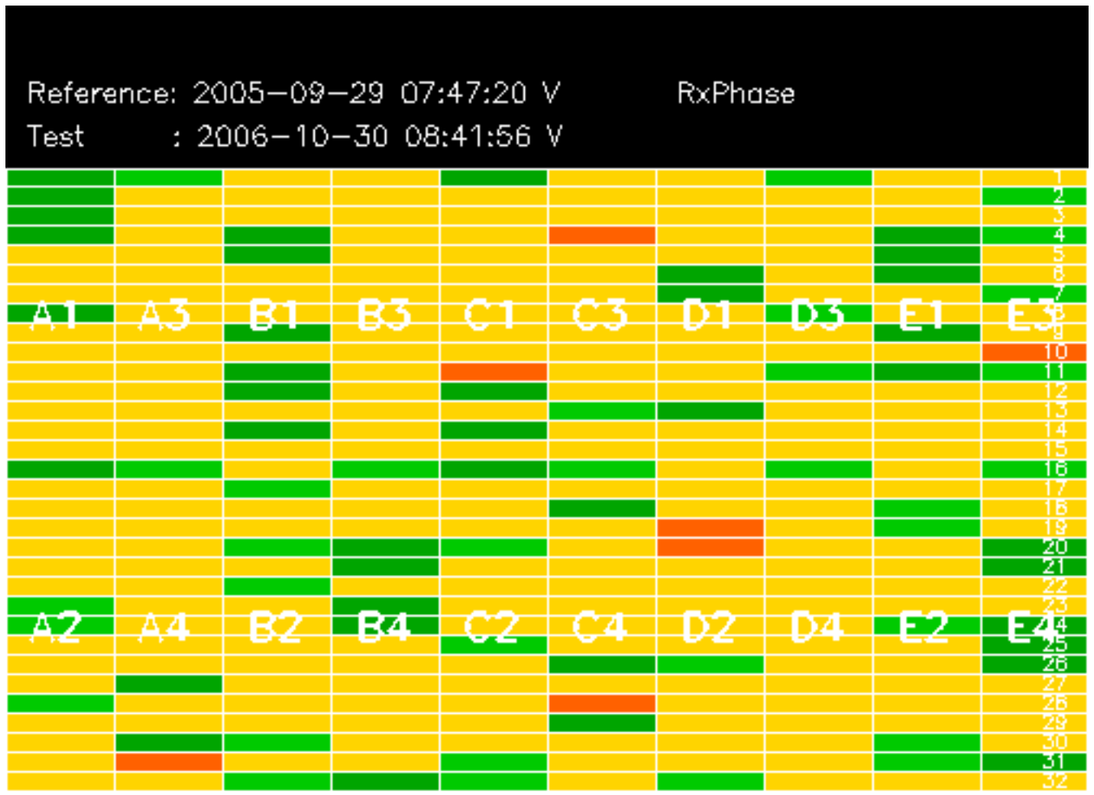
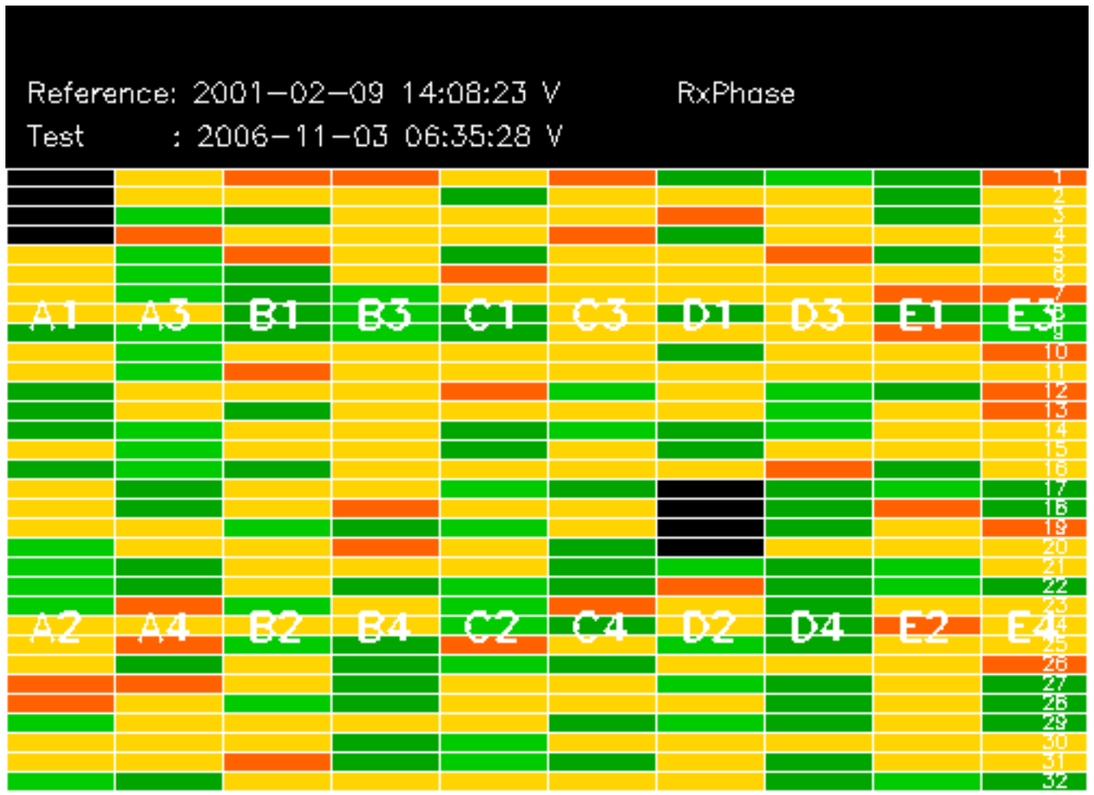
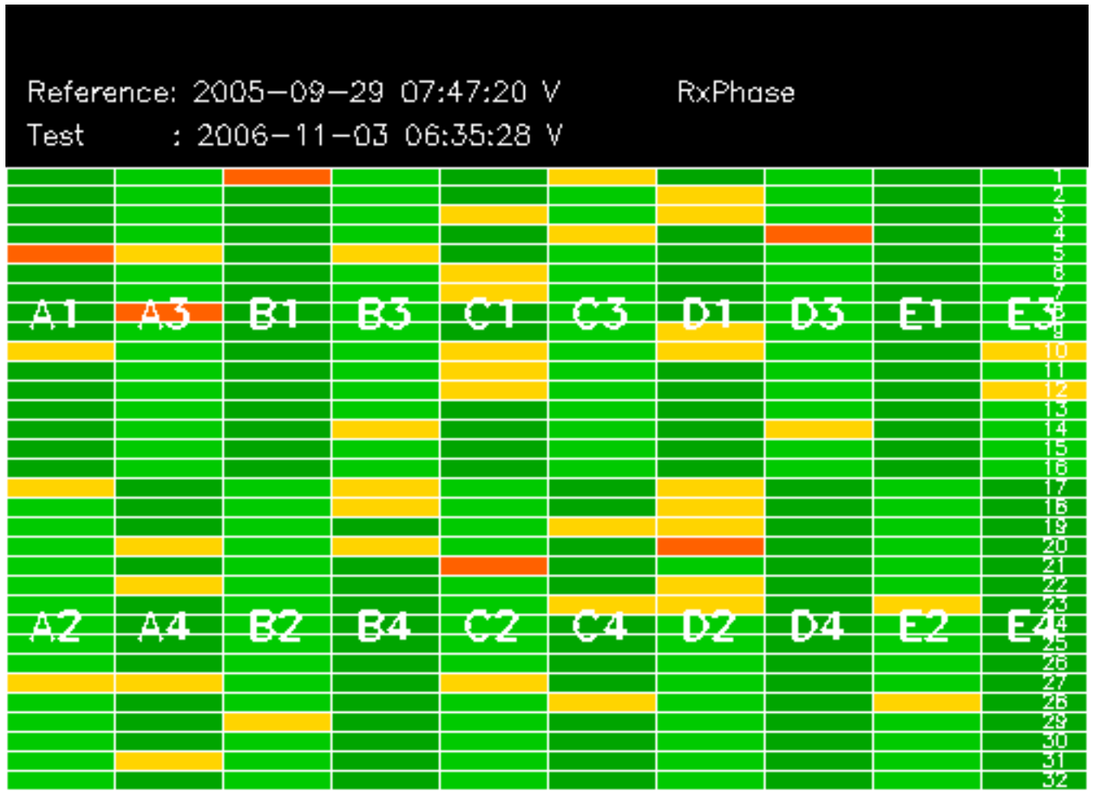

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-02 07:07:05 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

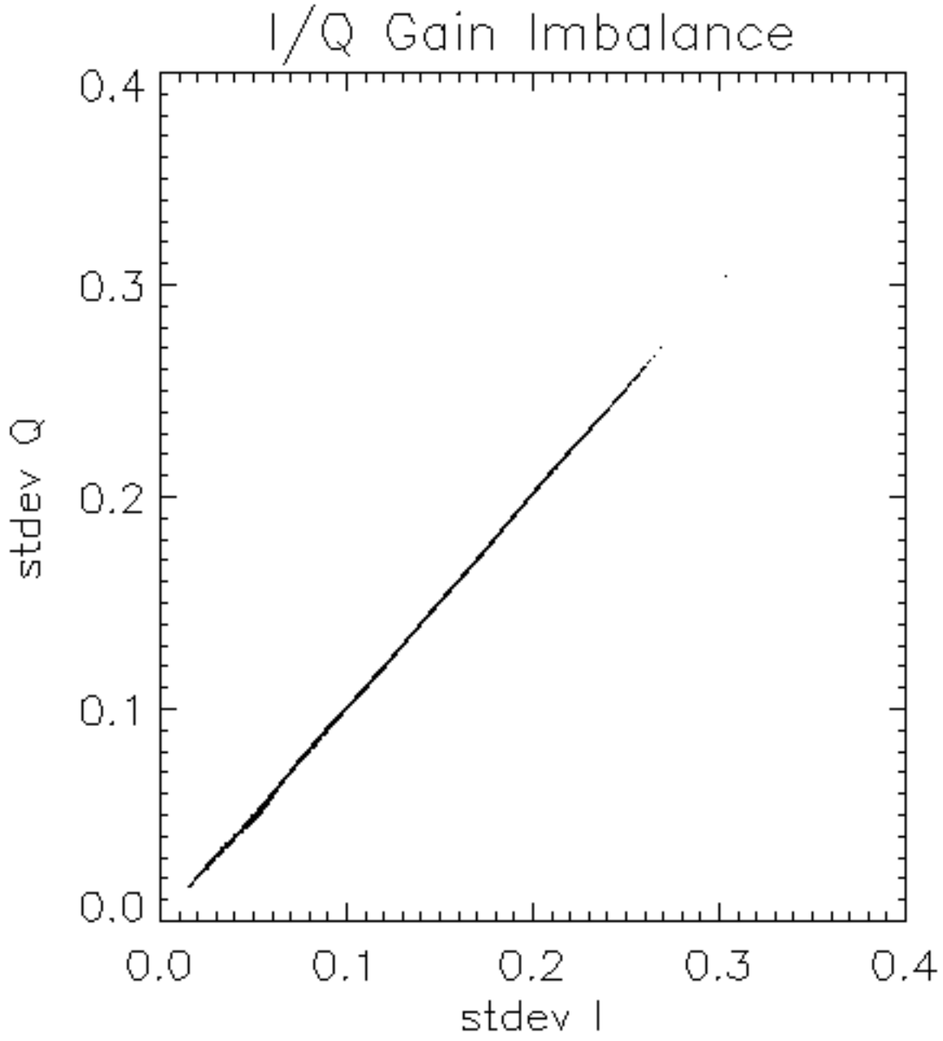

Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-02 07:07:05 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

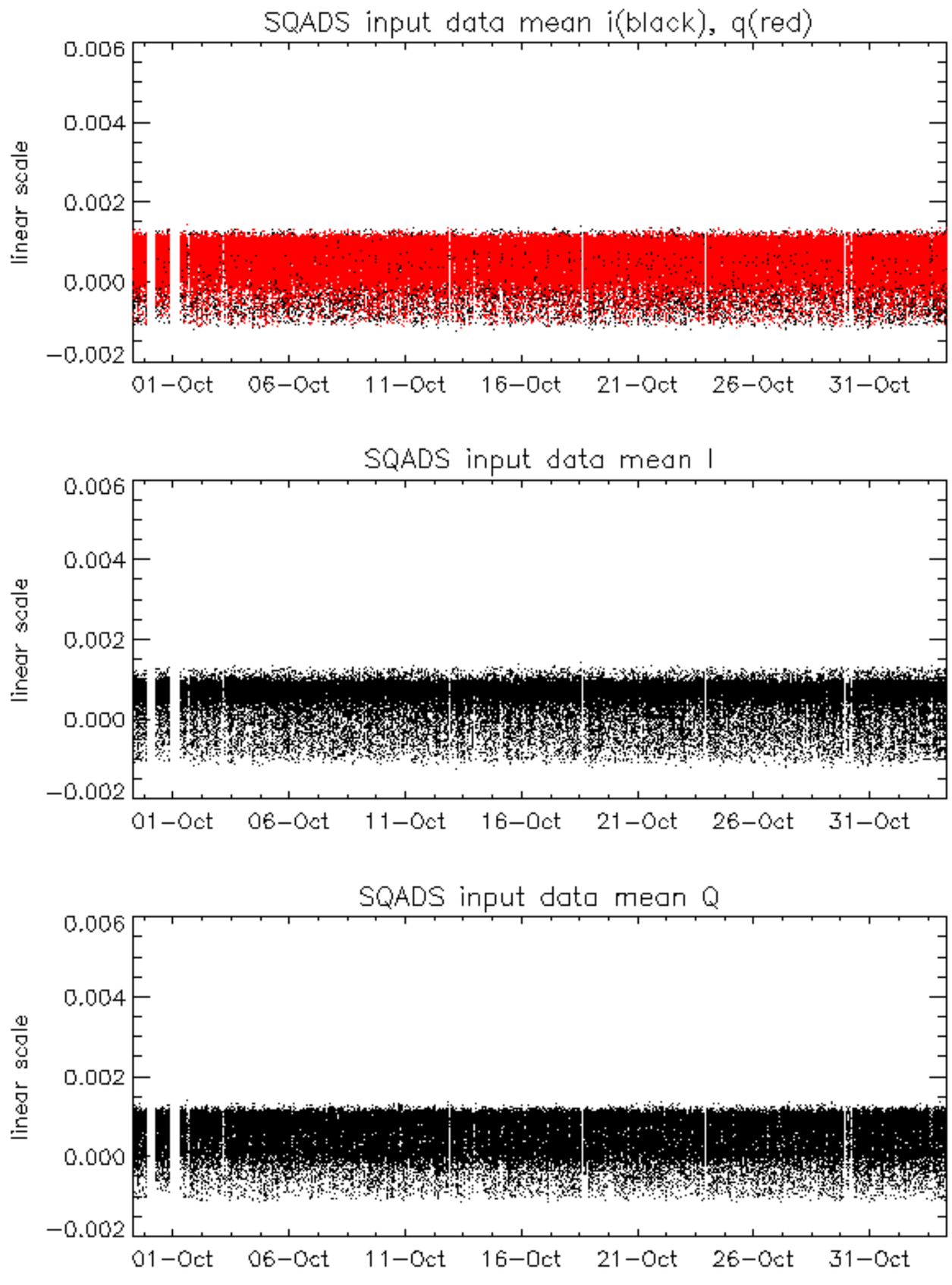

Reference: 2001-02-09 14:08:23 V
Test : 2006-10-30 08:41:56 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

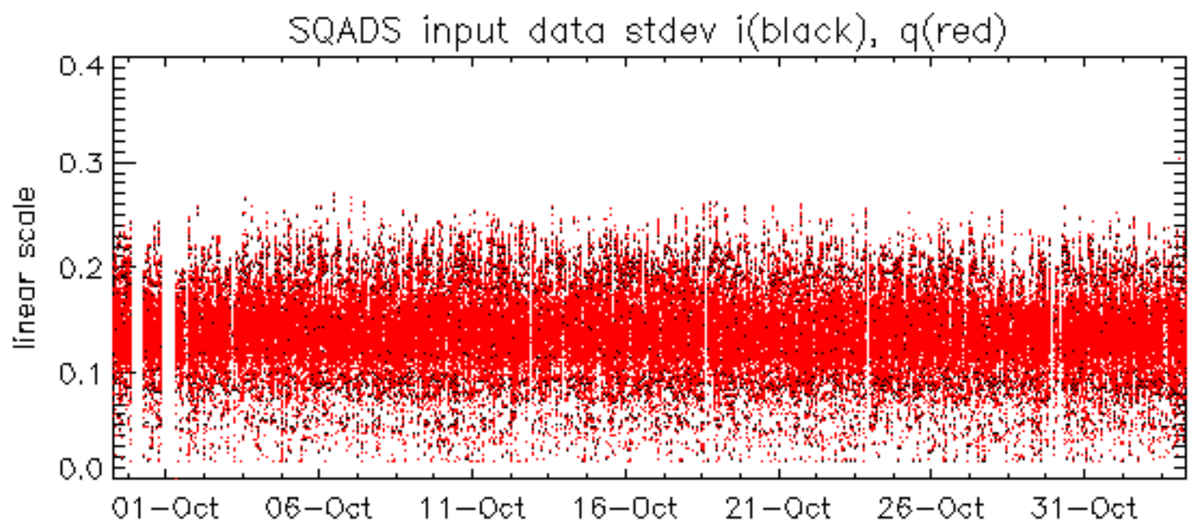

Reference: 2005-09-29 07:47:20 V
Test : 2006-10-30 08:41:56 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

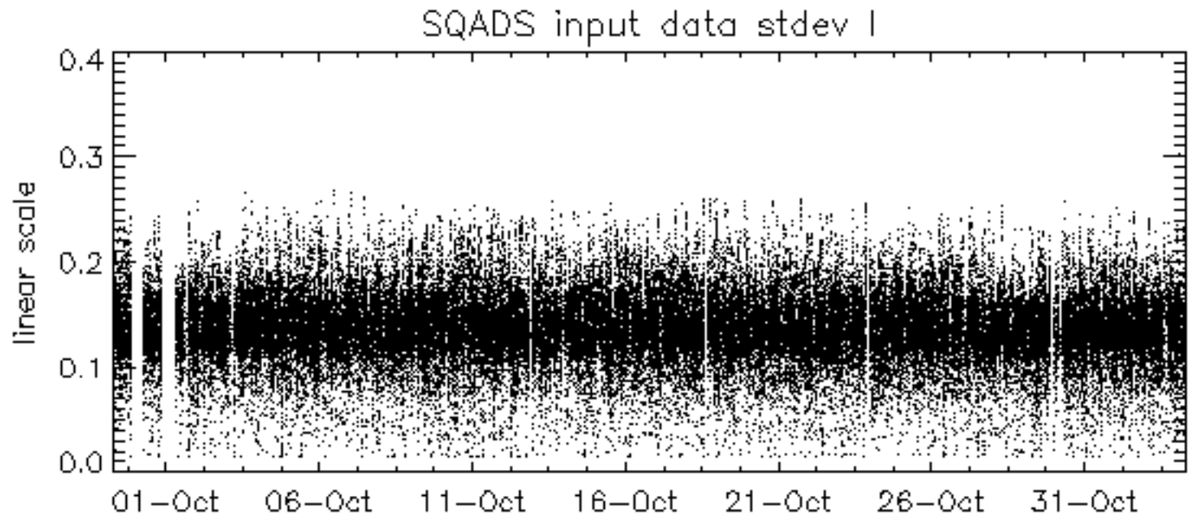

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-03 06:35:28 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

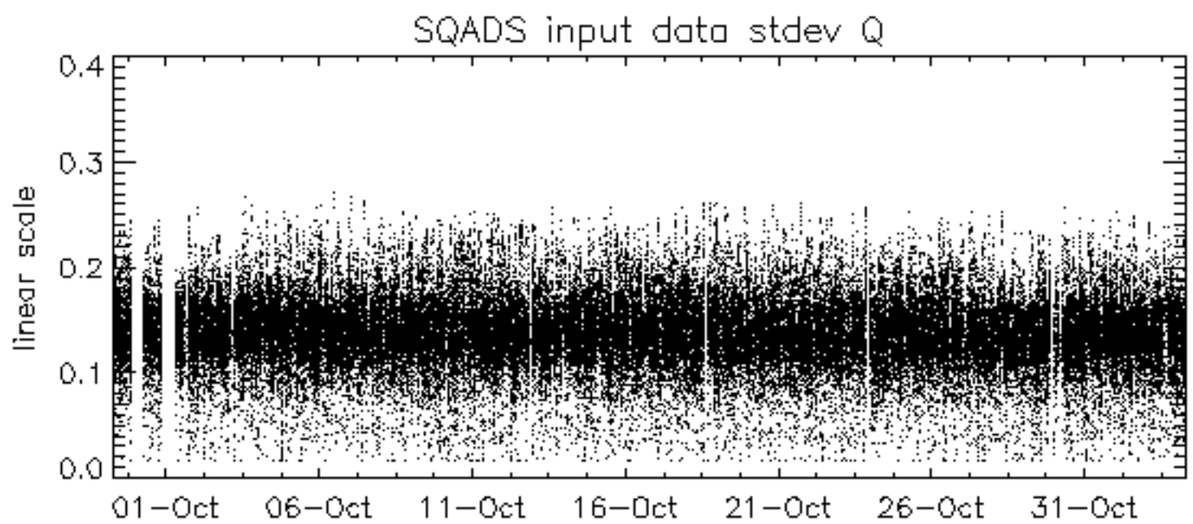

Reference: 2005-09-29 07:47:20 V
Test : 2006-11-03 06:35:28 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

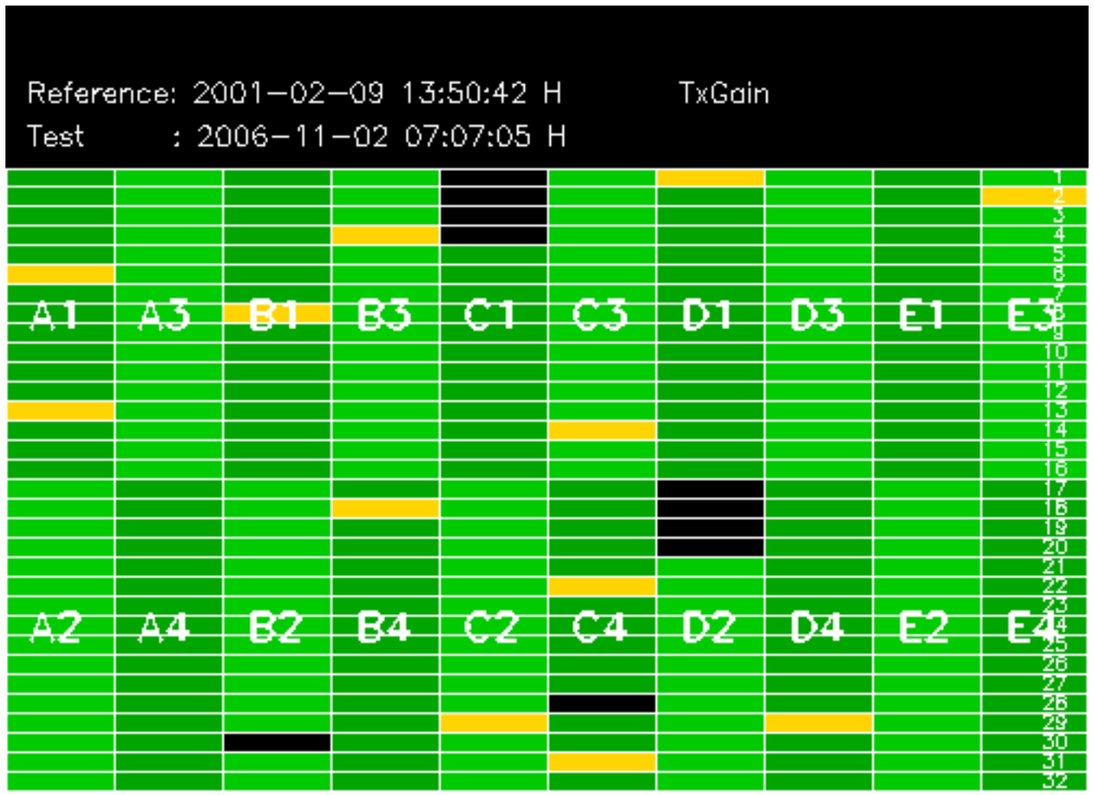

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

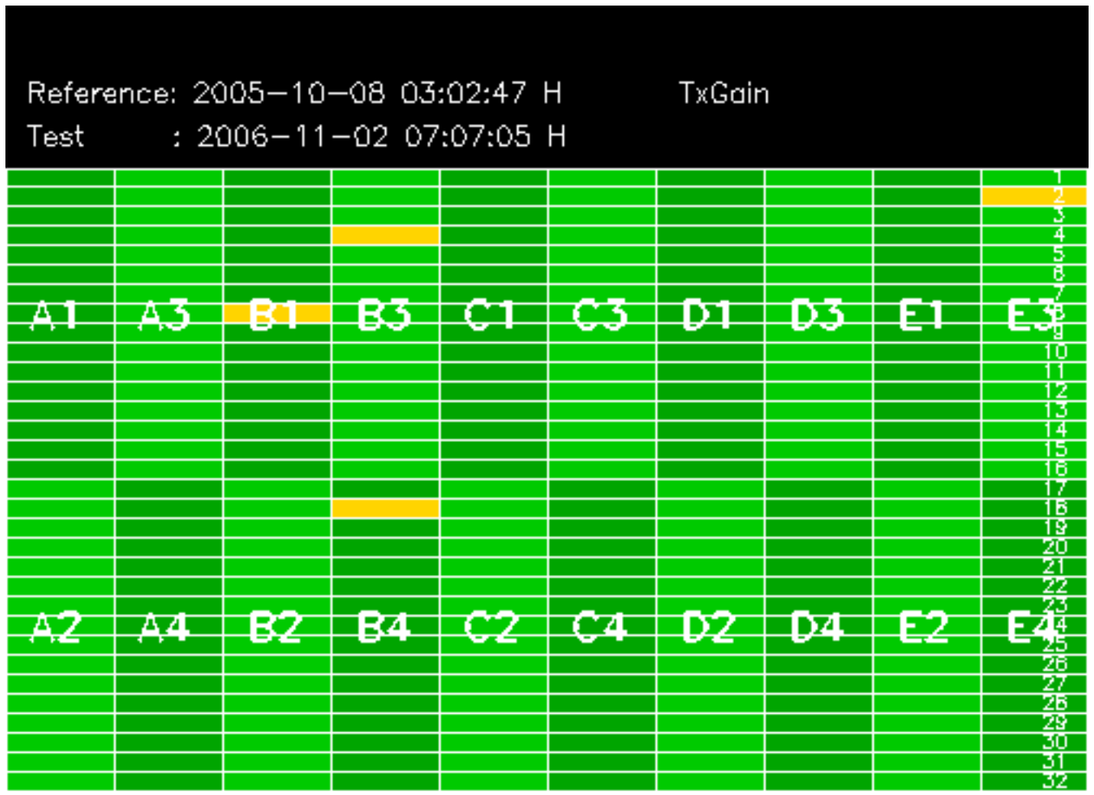

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
SQADS input data mean Q
linear scale
0.006
0.004
0.002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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-02 07:07:05 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 : 2006-11-02 07:07:05 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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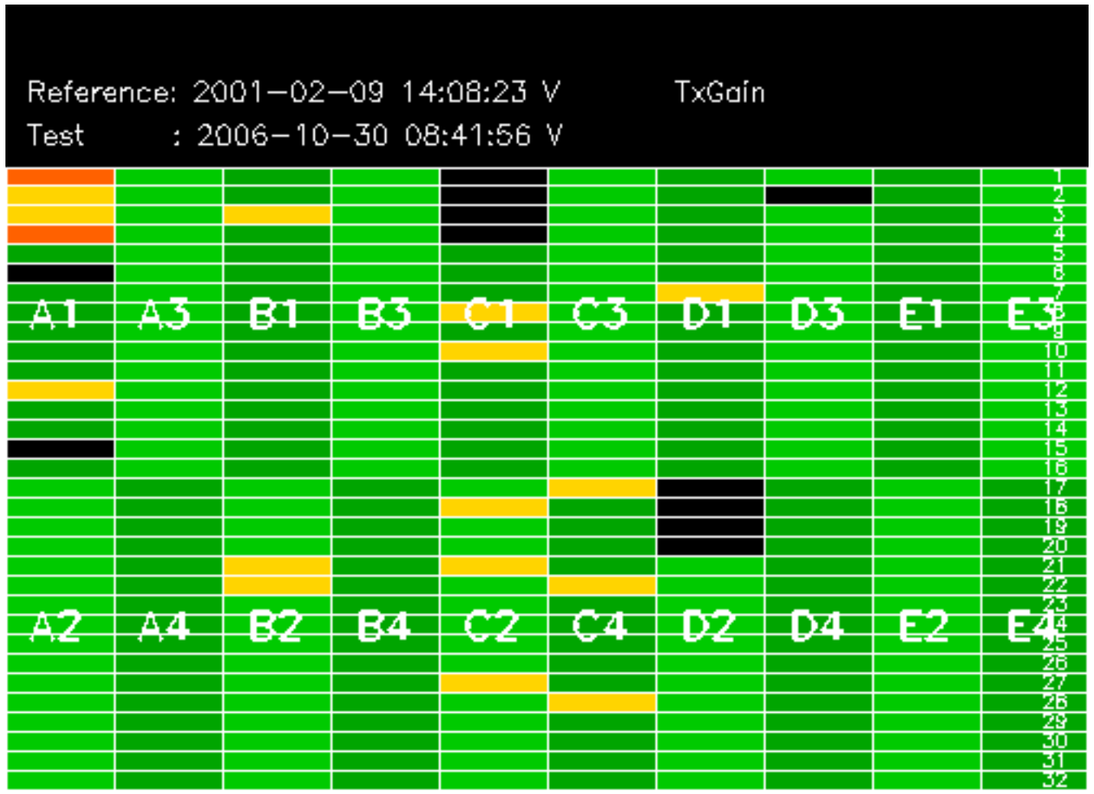
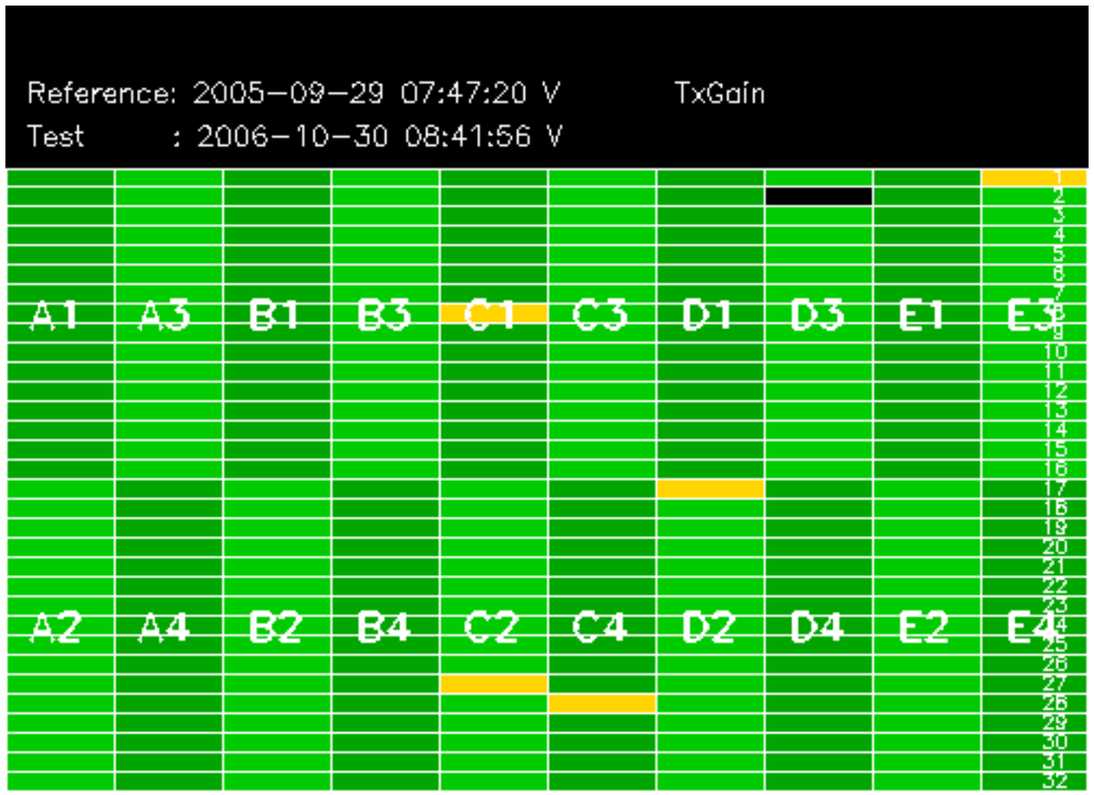

Reference: 2001-02-09 14:08:23 V
Test : 2006-10-30 08:41:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-10-30 08:41:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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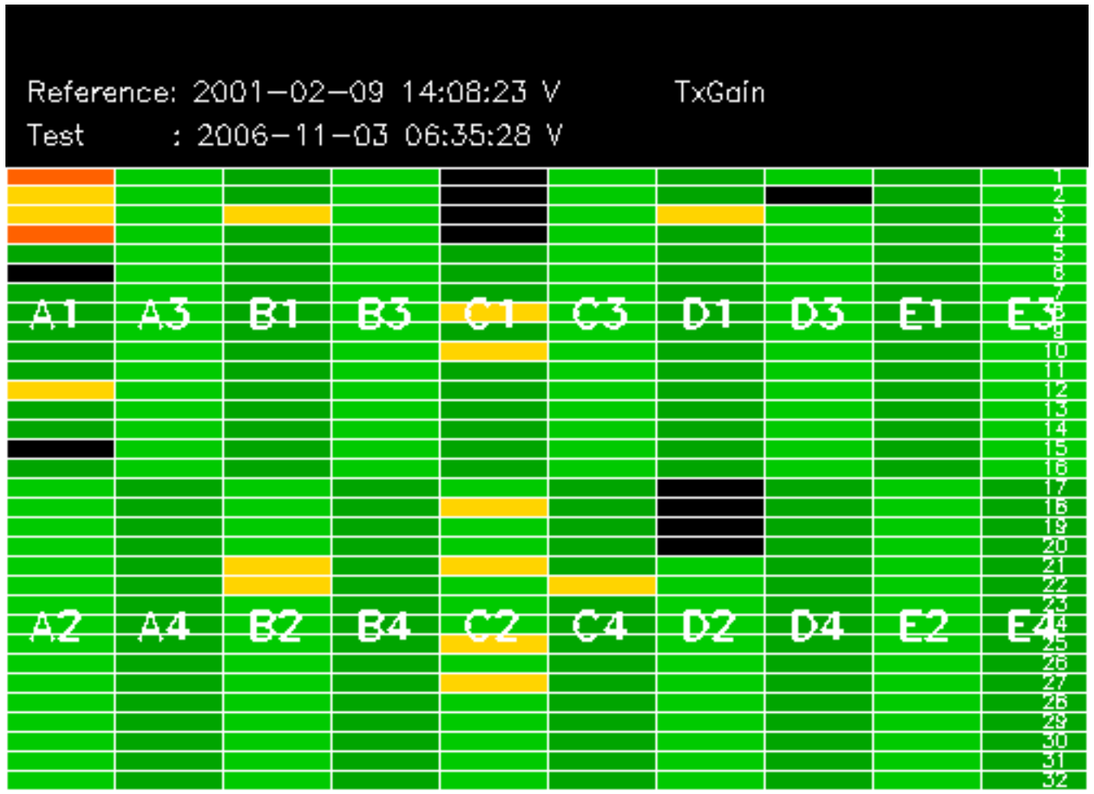
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-03 06:35:28 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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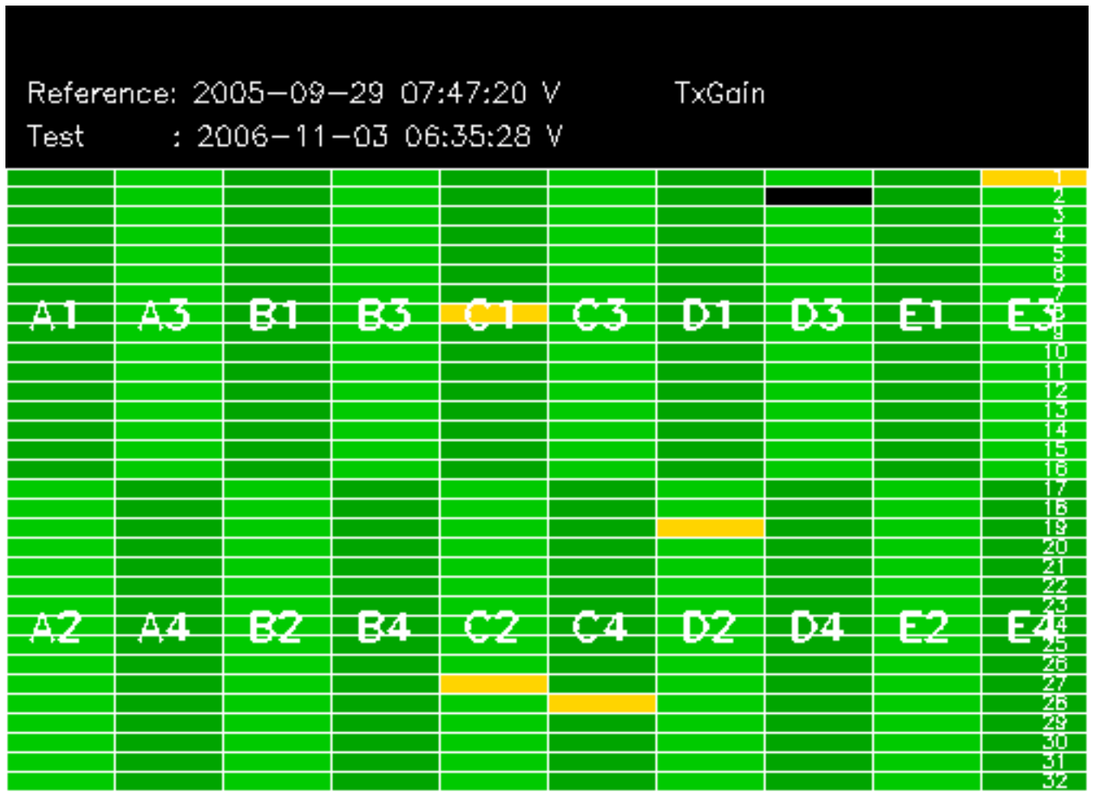
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-03 06:35:28 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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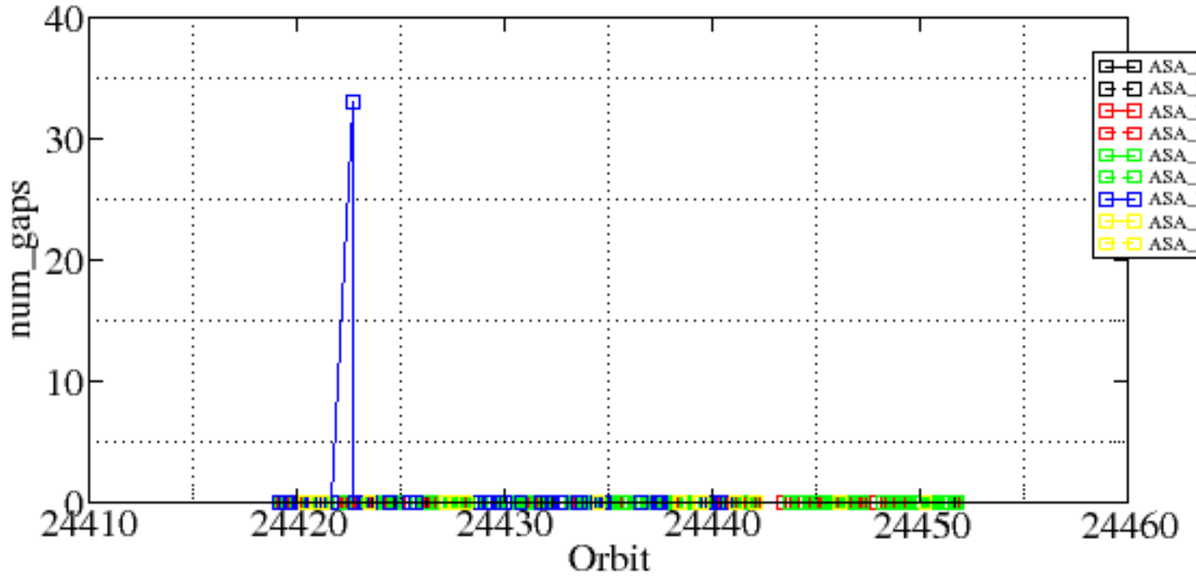
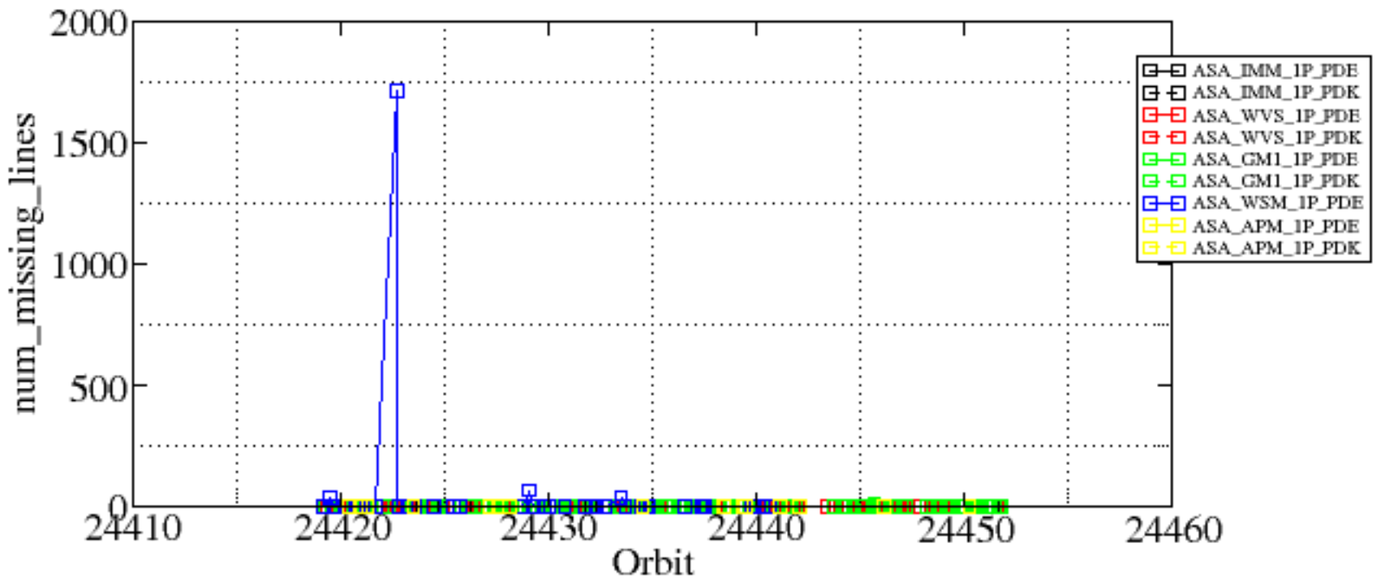
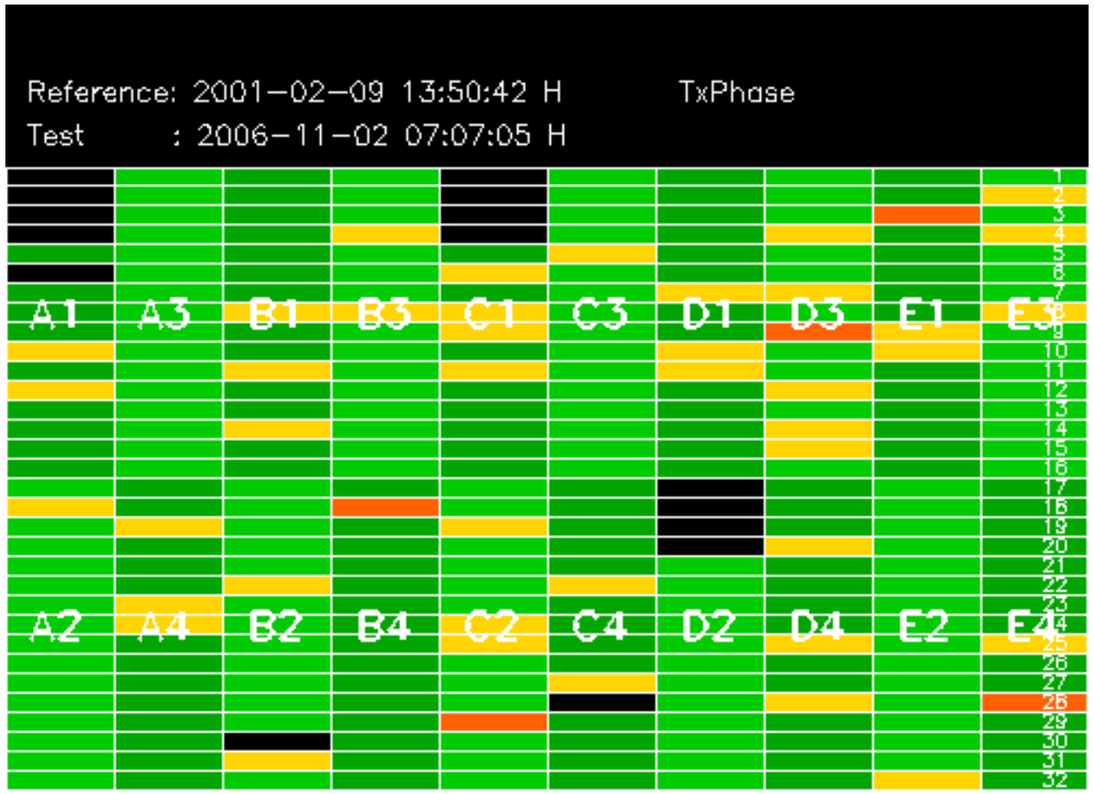
Summary of analysis for the last 3 days 2006110[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20061102_203159_000007372052_00343_24445_7869.N1 </td> <td>0 </td> <td>9 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061101_003703_000001412052_00317_24419_0001.N1 </td> <td>0 </td> <td>34 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061101_060109_000001282052_00320_24422_0001.N1 </td> <td>33 </td> <td>1716 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061101_163956_000004282052_00327_24429_0001.N1 </td> <td>0 </td> <td>65 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061102_000626_000002022052_00331_24433_0001.N1 </td> <td>0 </td> <td>35 </td></tr>
</table>


num_gaps
Orbit
40
30
20
10
0
24410
24420
24430
24440
24450
24460
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
2000
1500
1000
500
0
24410
24420
24430
24440
24450
24460
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 : 2006-11-02 07:07:05 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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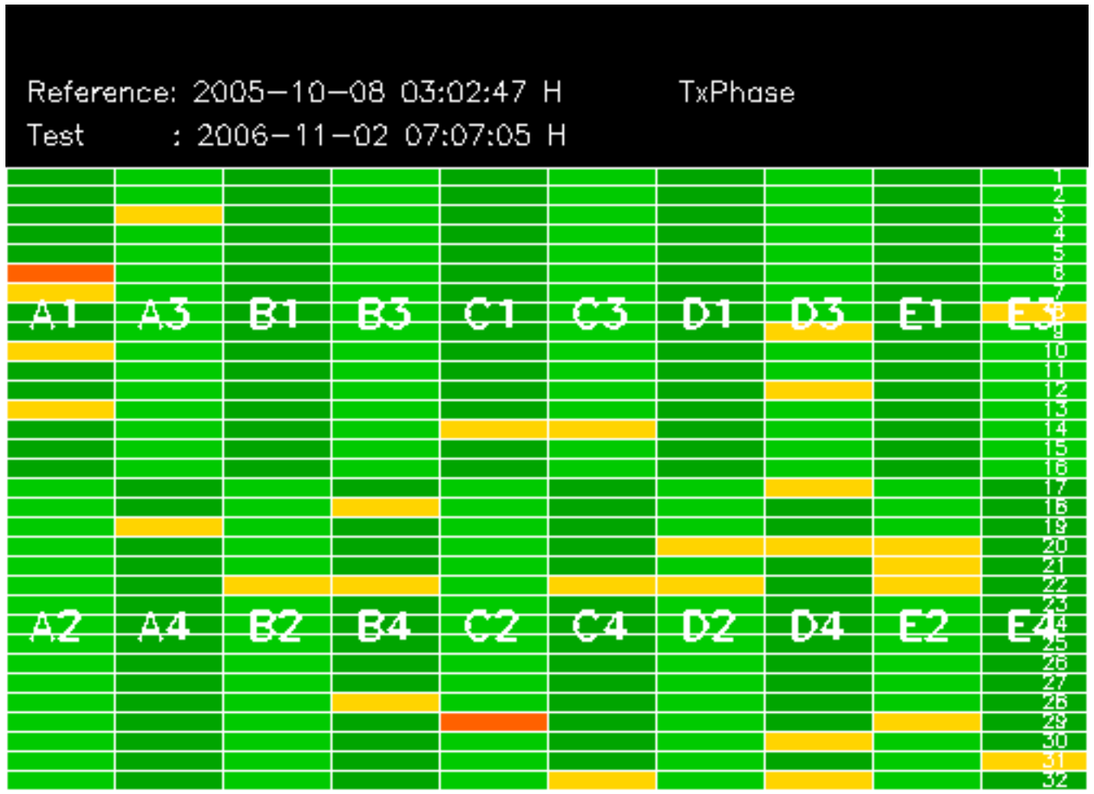
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-02 07:07:05 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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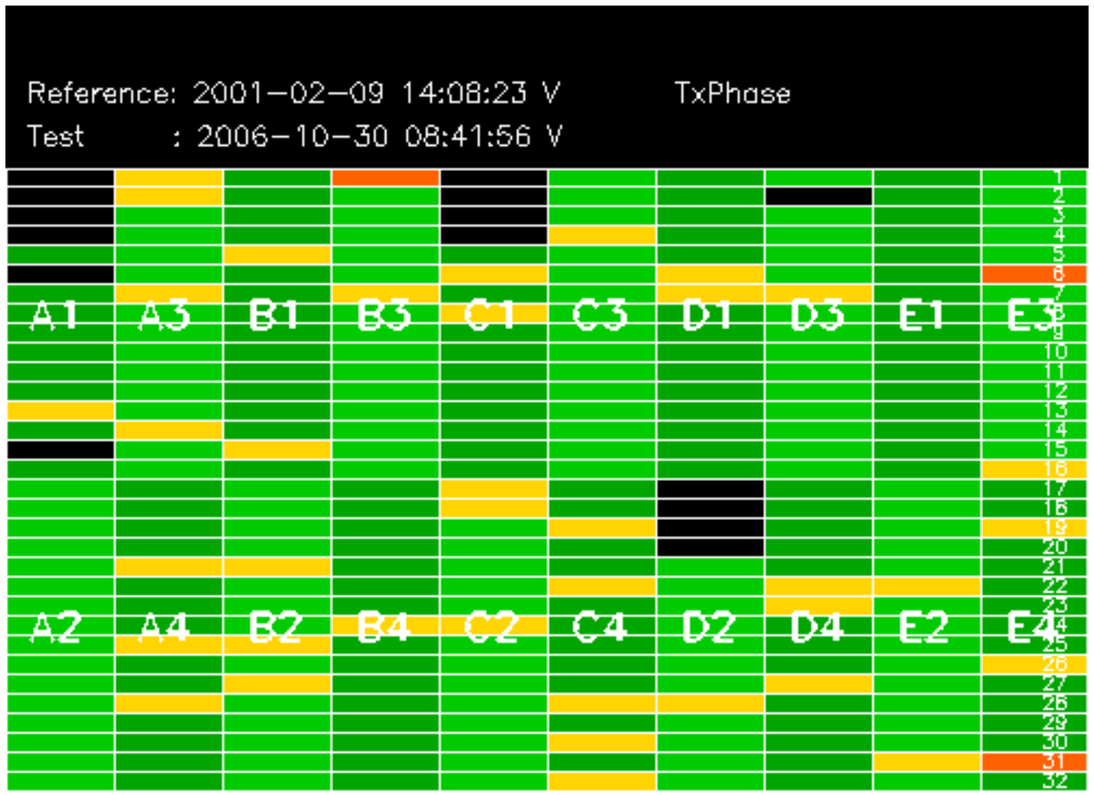
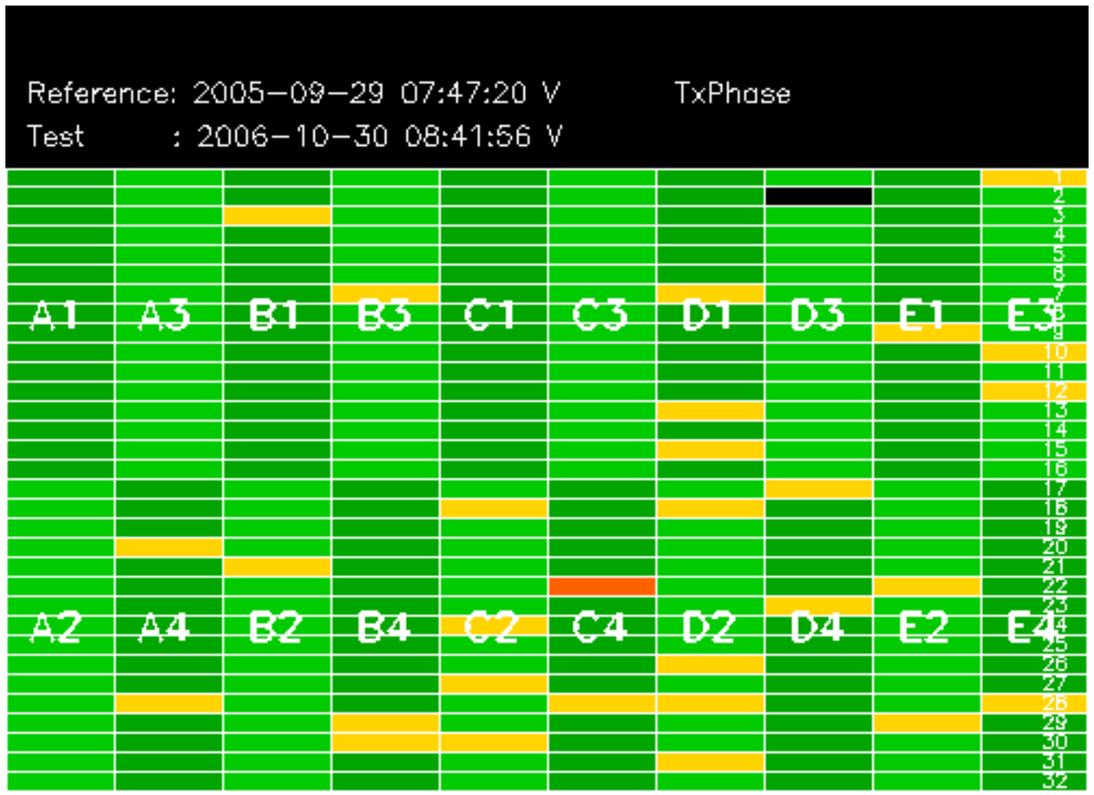
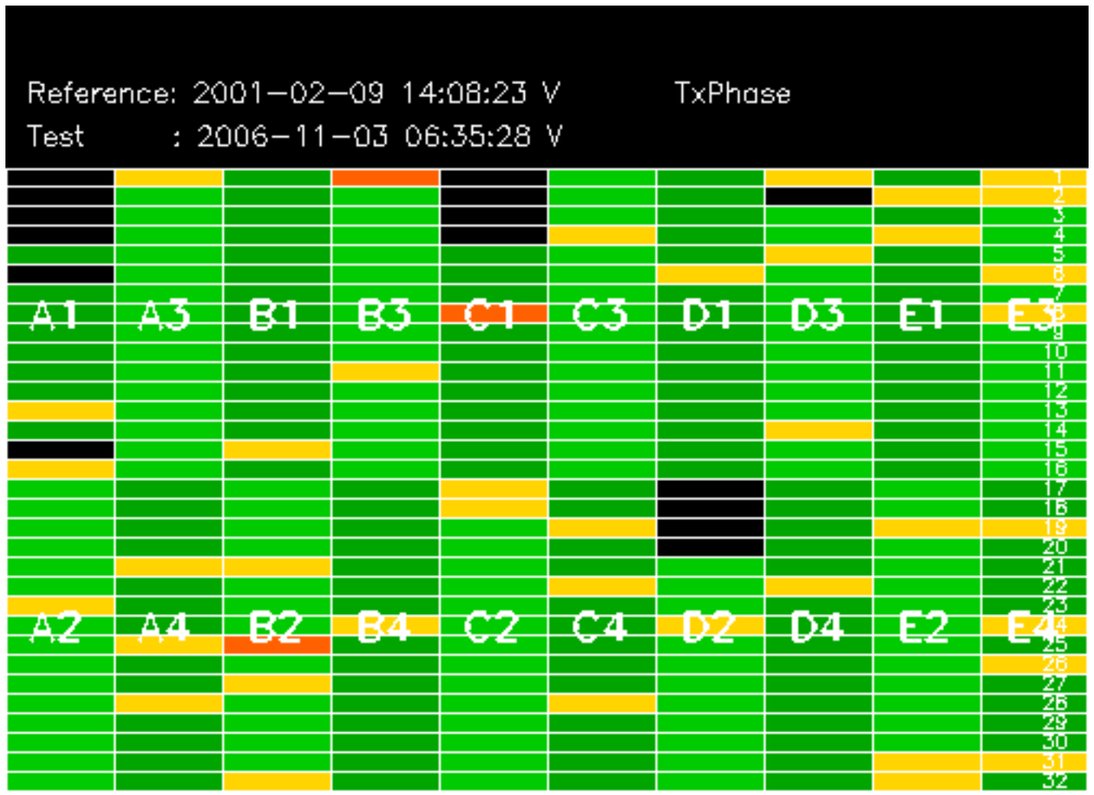
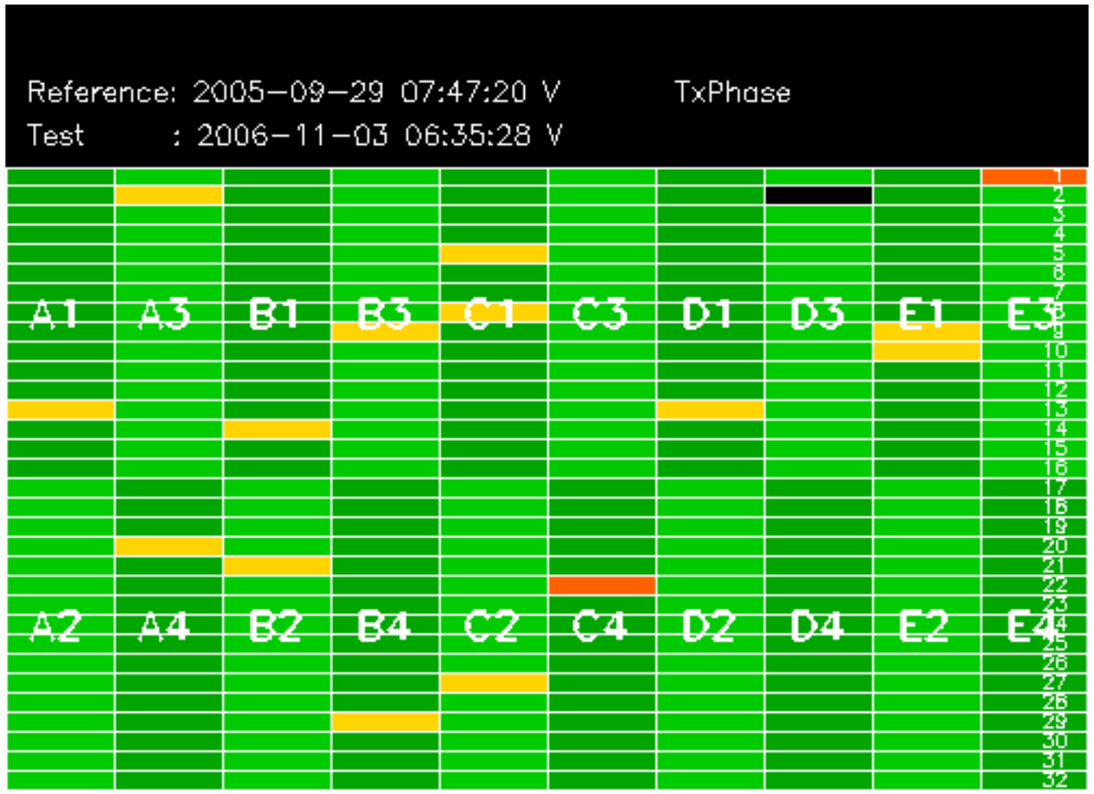

Reference: 2001-02-09 14:08:23 V
Test : 2006-10-30 08:41:56 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-10-30 08:41:56 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 : 2006-11-03 06:35:28 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 : 2006-11-03 06:35:28 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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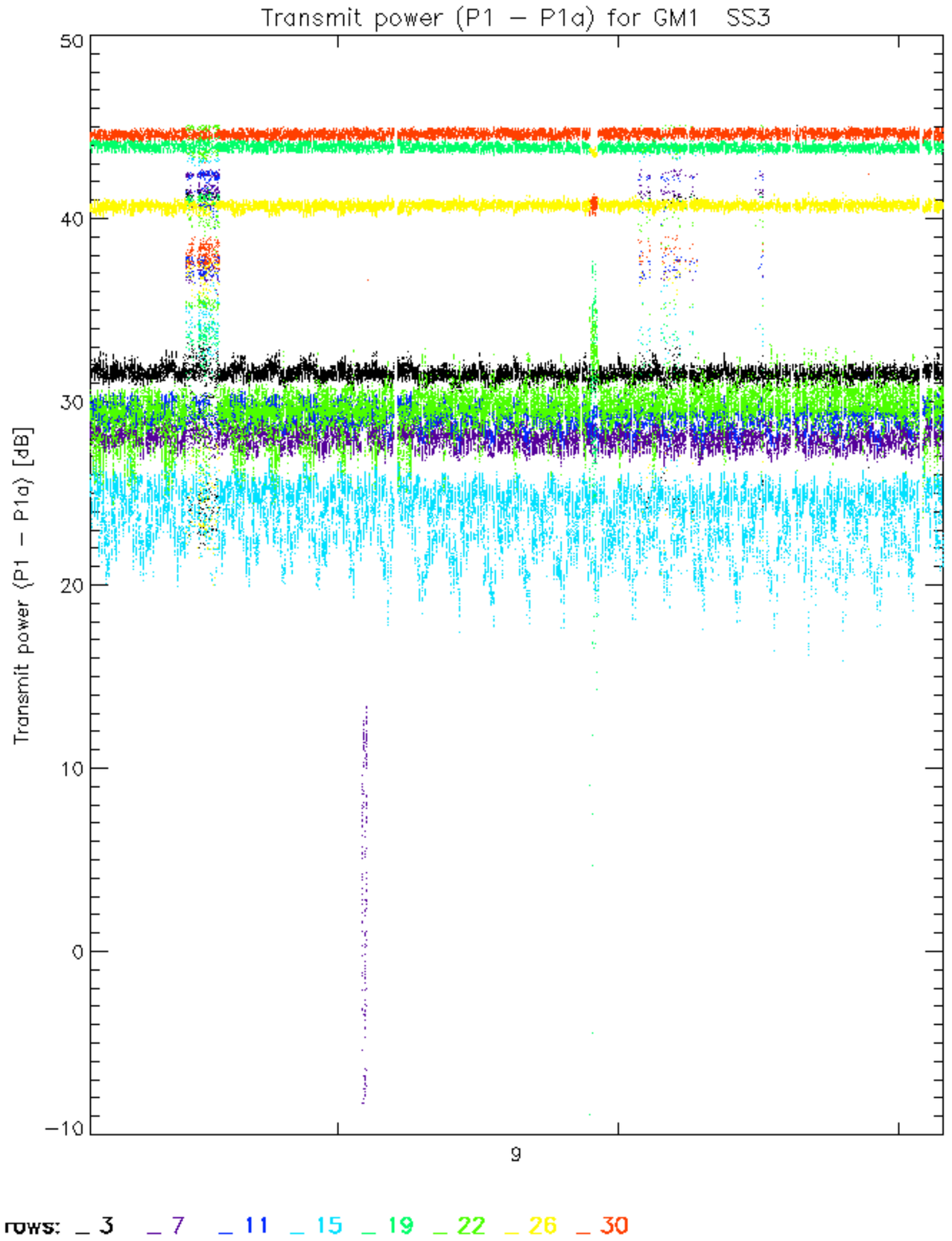
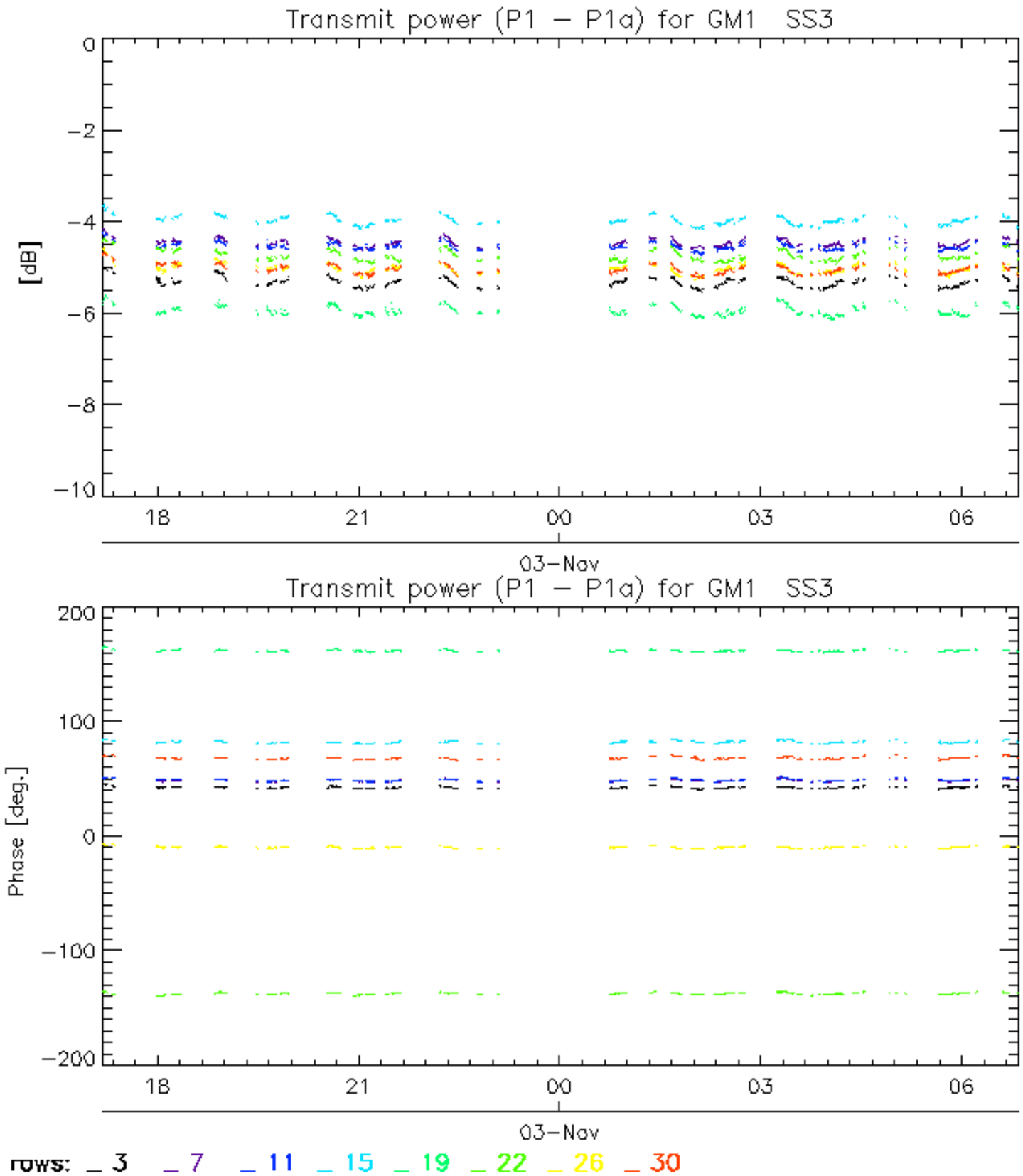
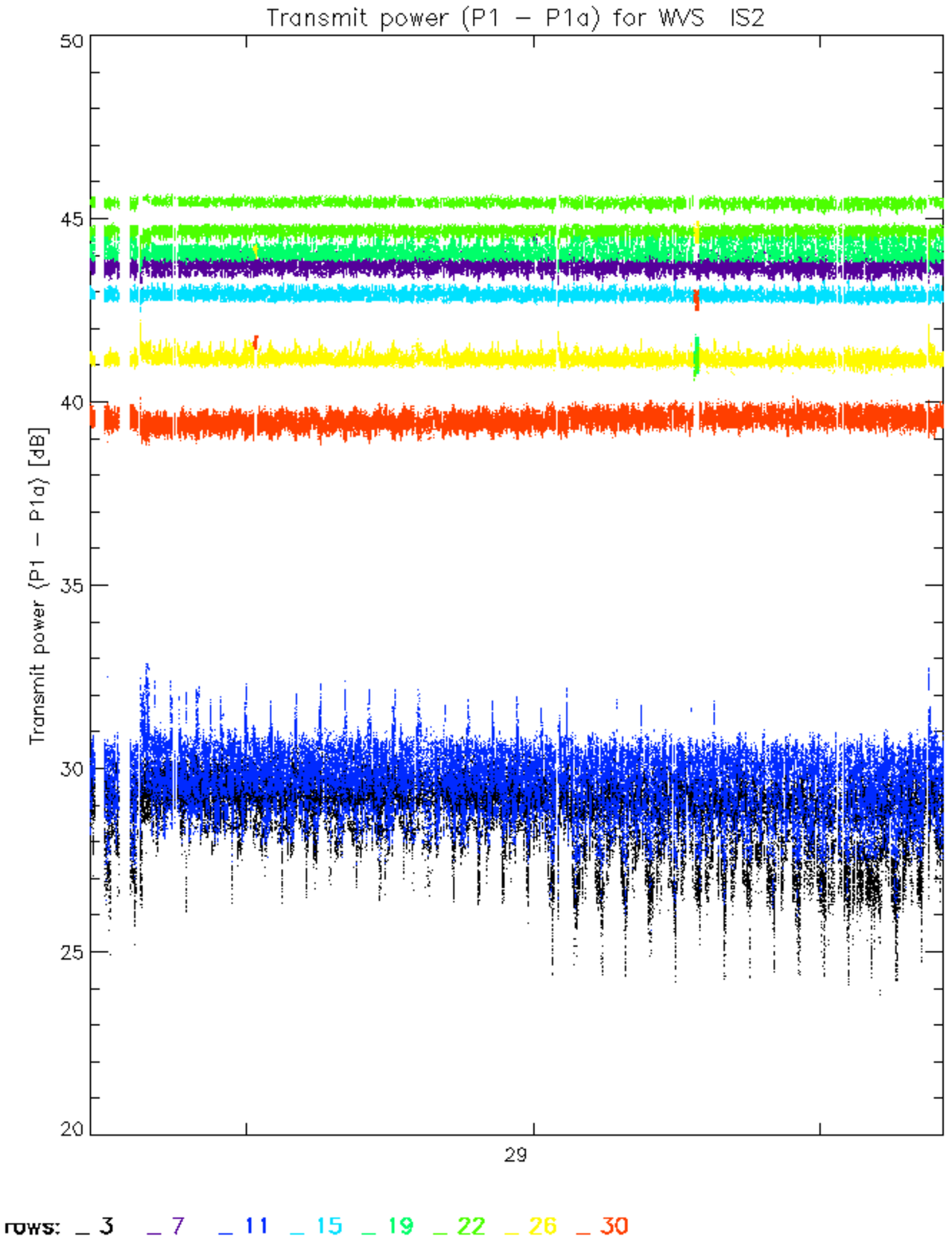
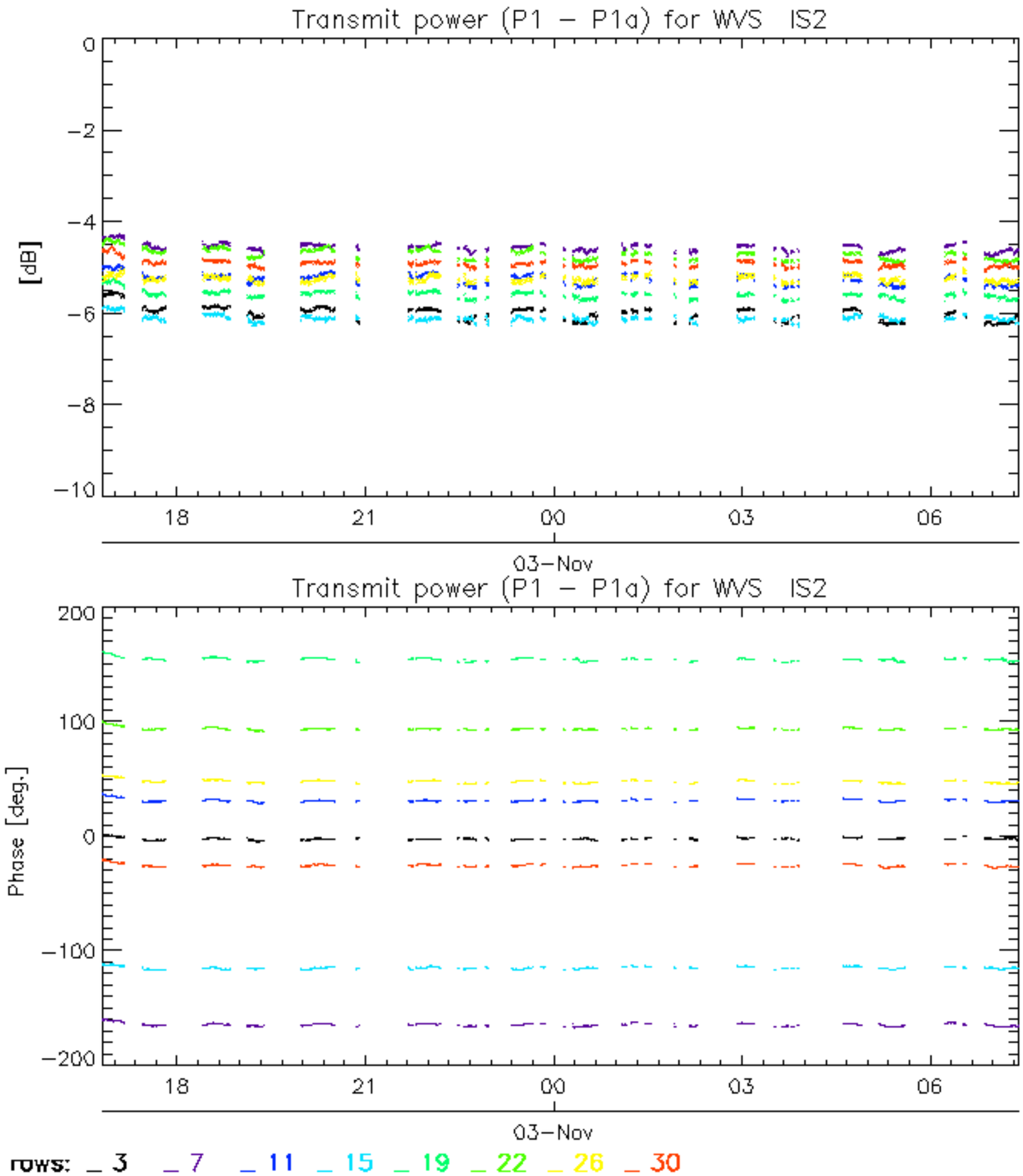

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
9
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
03–Nov
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
03–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
29
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.