PRELIMINARY REPORT OF 061205

last update on Tue Dec 5 16:41:14 GMT 2006

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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 2006-12-04 00:00:00 to 2006-12-05 16:41:14

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	36	50	8	3	12
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	36	50	8	3	12
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	36	50	8	3	12
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	50	8	3	12

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	39	45	60	9	19
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	39	45	60	9	19
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	39	45	60	9	19
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	39	45	60	9	19

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	20061204 084156
H	20061205 081019

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	-3.958459	0.008405	-0.007268
7	P1	-3.150817	0.023969	-0.001606
11	P1	-4.128438	0.025414	0.008888
15	P1	-6.300263	0.014864	-0.039820
19	P1	-3.618170	0.006354	-0.053403
22	P1	-4.648262	0.013003	-0.016477
26	P1	-3.949558	0.010520	-0.000854
30	P1	-5.870850	0.009596	-0.045801
3	P1	-16.515013	0.236594	-0.024663
7	P1	-17.287750	0.180531	-0.049963
11	P1	-17.186857	0.452427	-0.091365
15	P1	-13.061108	0.136925	-0.017296
19	P1	-14.927952	0.091256	-0.140961
22	P1	-15.851963	0.531308	0.049076
26	P1	-15.053981	0.195708	-0.007010
30	P1	-17.485157	0.475531	-0.099583

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.831436	0.091873	0.068112
7	P2	-21.731798	0.094300	-0.003904
11	P2	-15.635865	0.103202	0.103960
15	P2	-7.120595	0.107723	0.006108
19	P2	-9.189554	0.105261	0.004400
22	P2	-18.232893	0.097814	-0.013138
26	P2	-16.558218	0.112200	-0.051416
30	P2	-19.468750	0.088655	0.025669

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.240480	0.008741	-0.012944
7	P3	-8.240480	0.008741	-0.012944
11	P3	-8.240480	0.008741	-0.012944
15	P3	-8.240480	0.008741	-0.012944
19	P3	-8.240480	0.008741	-0.012944
22	P3	-8.240480	0.008741	-0.012944
26	P3	-8.240427	0.008751	-0.013306
30	P3	-8.240427	0.008751	-0.013306

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	-3.908868	0.024473	-0.007130
7	P1	-2.499141	0.116161	0.063778
11	P1	-2.854733	0.026879	0.026744
15	P1	-3.682037	0.040111	0.016043
19	P1	-3.526371	0.017530	-0.033470
22	P1	-5.034810	0.022501	0.043721
26	P1	-6.003575	0.028085	-0.046978
30	P1	-5.321982	0.038666	-0.058246
3	P1	-11.724430	0.086078	-0.033592
7	P1	-10.054215	0.194579	0.005806
11	P1	-10.326561	0.128014	0.006931
15	P1	-10.734368	0.156389	0.129556
19	P1	-15.698302	0.104557	-0.091742
22	P1	-21.473921	1.446661	-0.380849

26	P1	-16.051502	0.325387	-0.060627
30	P1	-17.898376	0.388995	0.068939

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.460136	0.103637	-0.010509
7	P2	-22.225111	0.266949	-0.011293
11	P2	-10.928138	0.114950	0.071753
15	P2	-4.969533	0.203965	-0.037076
19	P2	-6.951572	0.241136	-0.001889
22	P2	-8.252907	0.169789	0.013735
26	P2	-24.321413	0.179973	0.038699
30	P2	-21.950102	0.142906	0.015018

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.086707	0.003835	-0.005432
7	P3	-8.086662	0.003826	-0.005381
11	P3	-8.086741	0.003834	-0.005227
15	P3	-8.086615	0.003827	-0.005424
19	P3	-8.086729	0.003834	-0.005251
22	P3	-8.086650	0.003827	-0.005629
26	P3	-8.086593	0.003838	-0.005398
30	P3	-8.086678	0.003843	-0.004740

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	0.000548546
	stdev	1.78048e-07
MEAN Q	mean	0.000518146
	stdev	2.19924e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137025
	stdev	0.00114713
STDEV Q	mean	0.137396
	stdev	0.00116531

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006120[345]
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_1PNPDK20061204_093242_000007732053_00294_24897_9683.N1	0	7
ASA_GM1_1PNPDK20061204_174633_000006342053_00299_24902_9712.N1	0	26
ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6506.N1	0	34
ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6579.N1	0	34
ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6802.N1	0	34

ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6989.N1	0	34
ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_7194.N1	0	34
ASA_WSM_1PNPDE20061203_231436_000000982053_00288_24891_7851.N1	0	57
ASA_WSM_1PNPDE20061204_142150_000000852053_00297_24900_8594.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

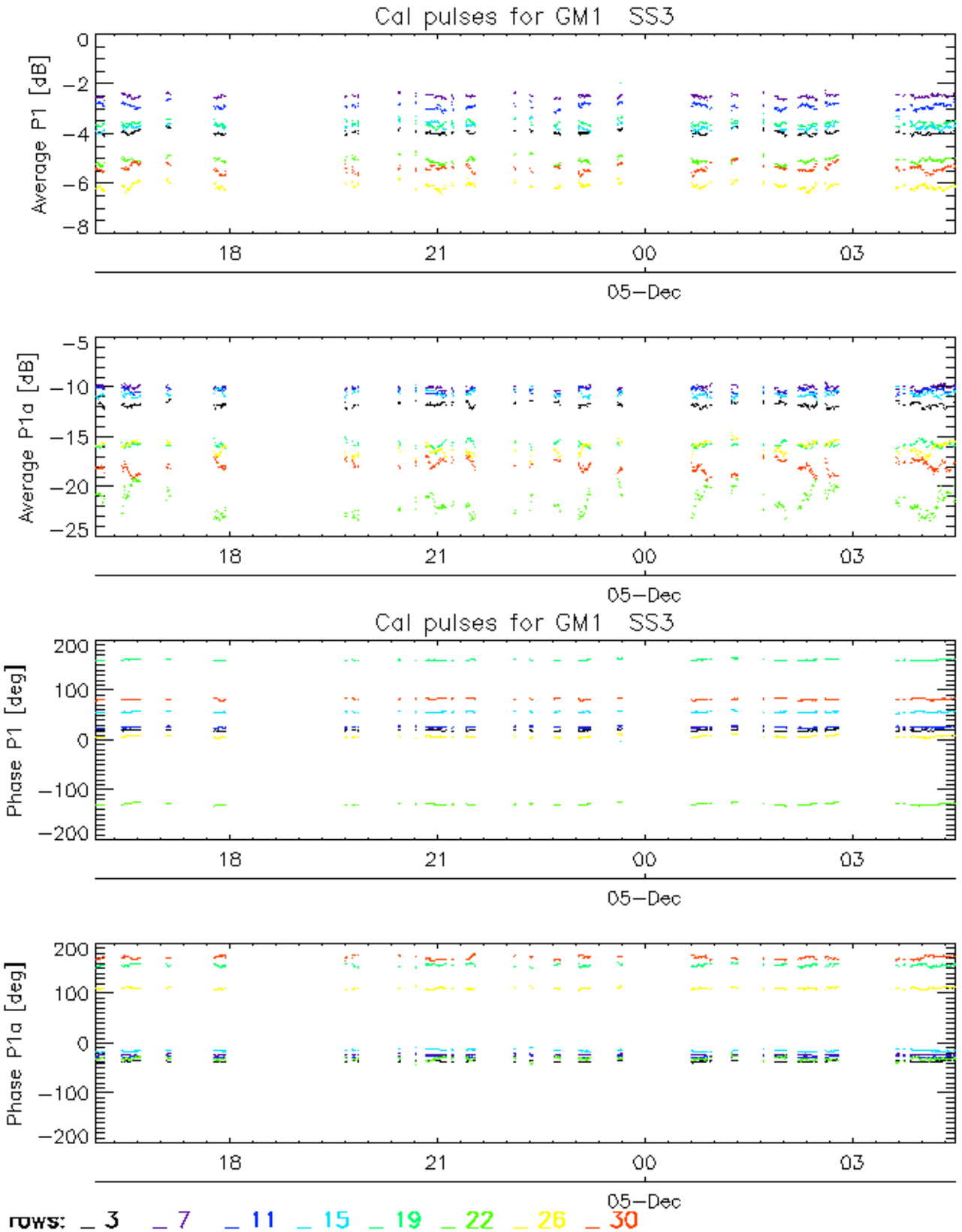
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

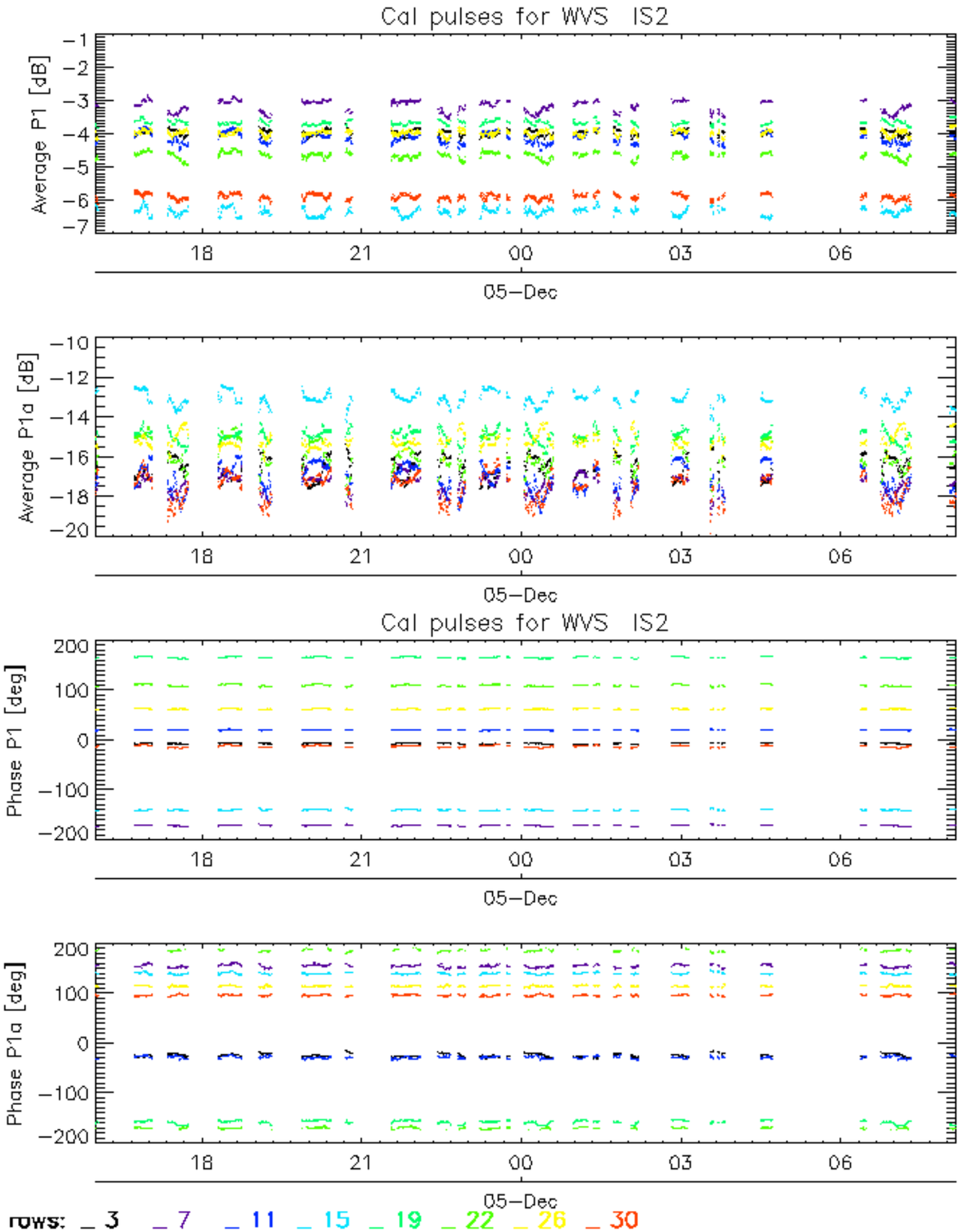
7.5 - Absolute Doppler for GM1

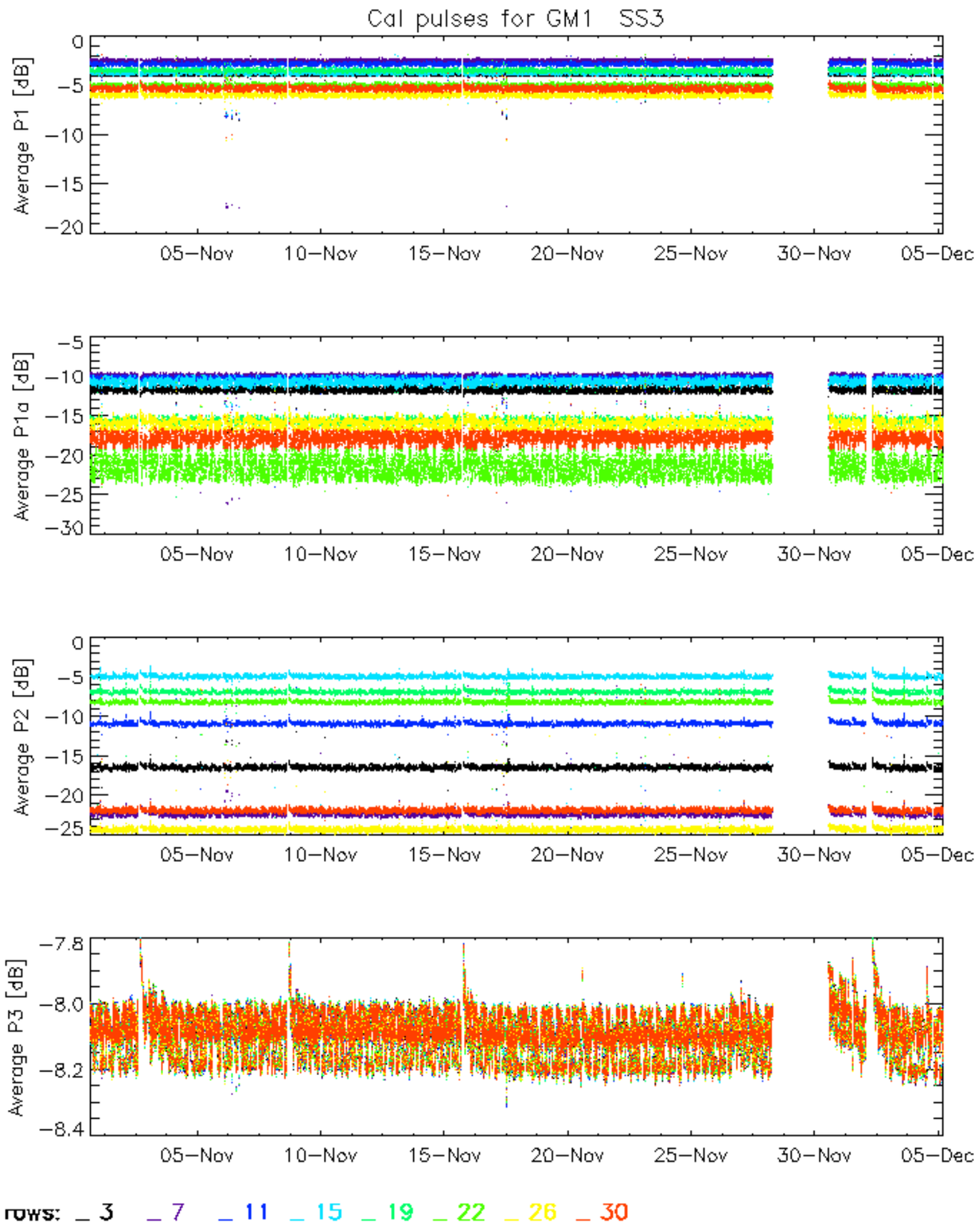
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

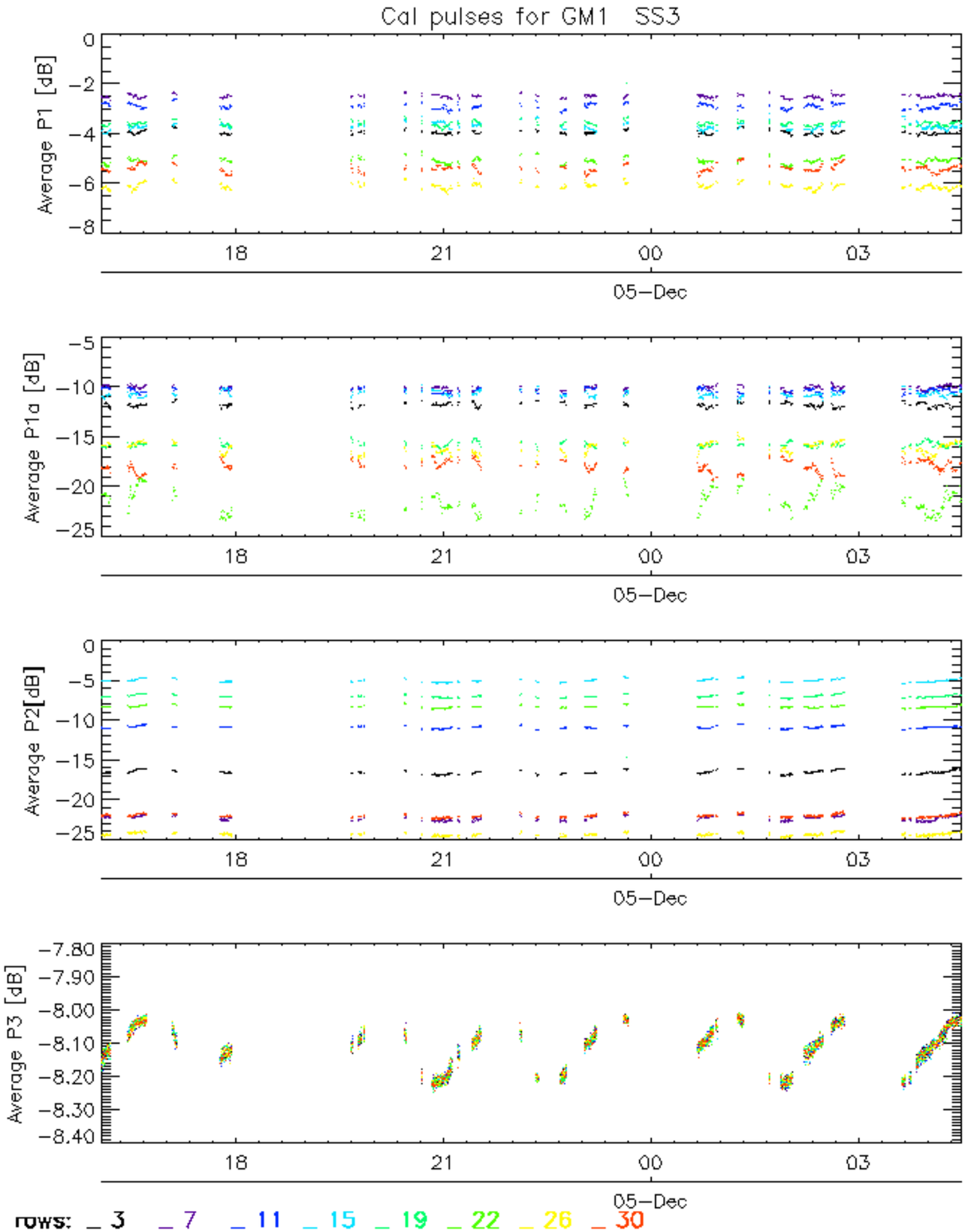
7.6 - Doppler evolution versus ANX for GM1

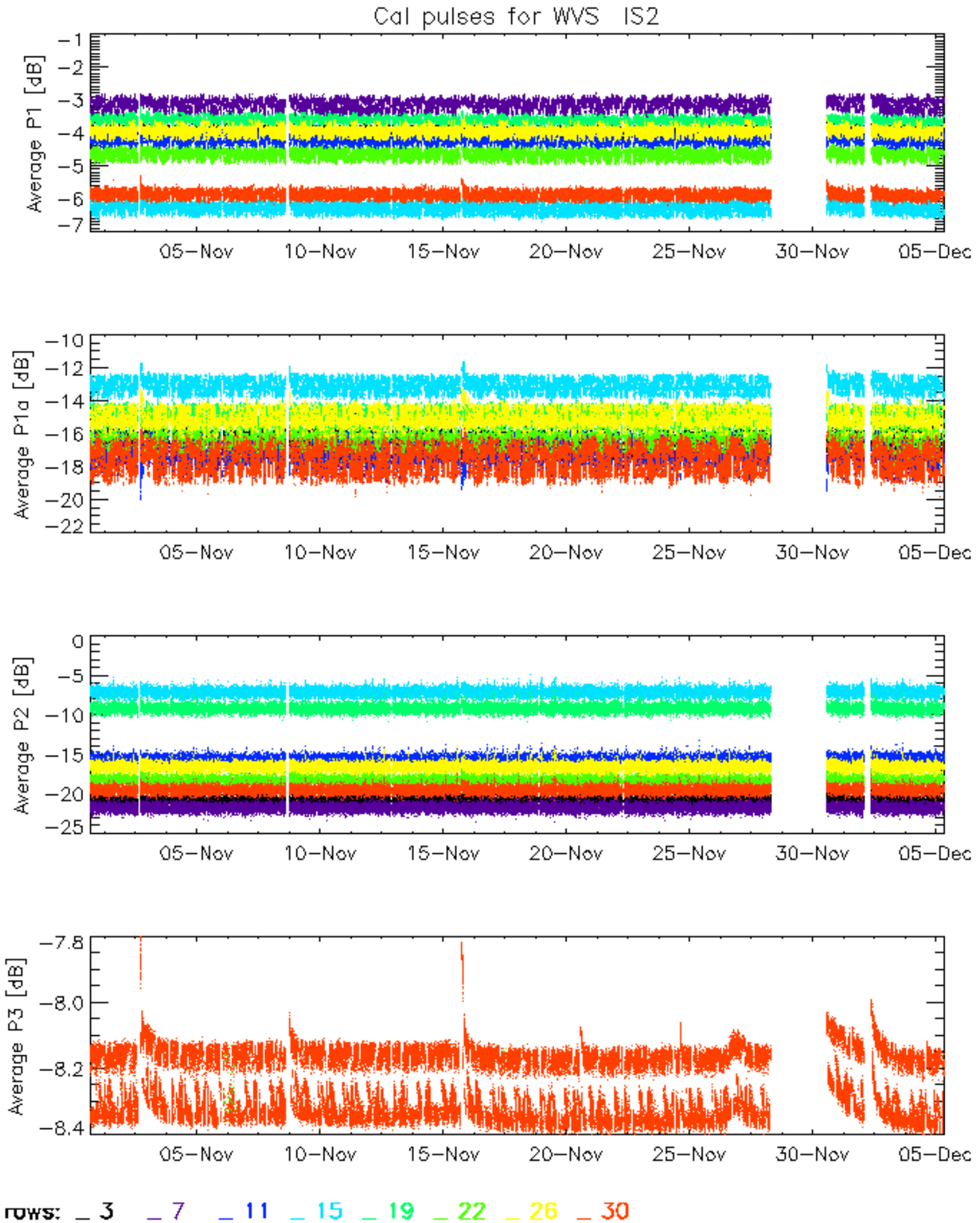
Evolution Doppler error versus ANX
☒

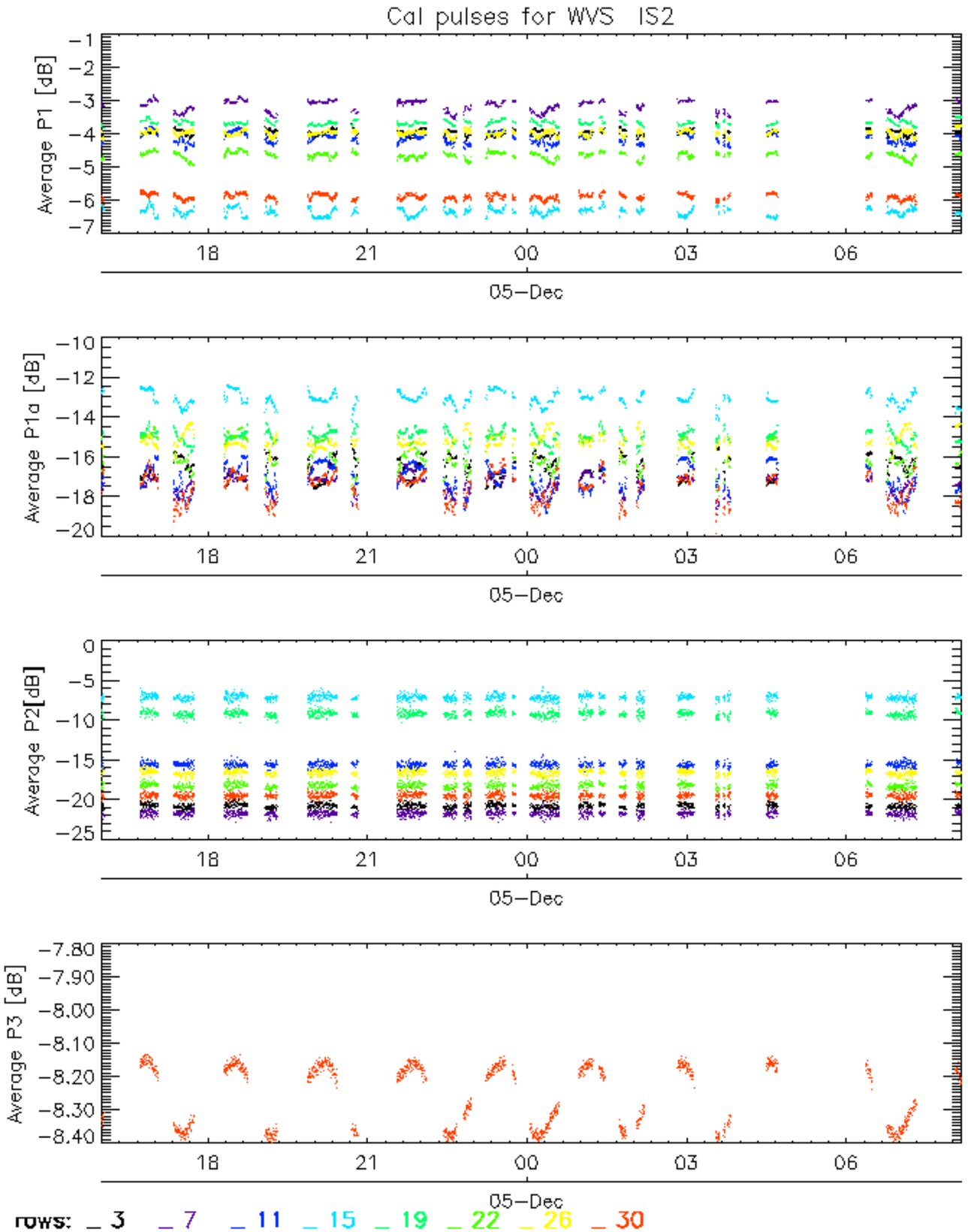

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
18
21
00
03
05−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
05−Dec
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
05−Dec
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
05−Dec
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
05−Dec
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
05−Dec
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
05−Dec
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
05−Dec
rows: 3 7 11 15 19 22 26 30


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

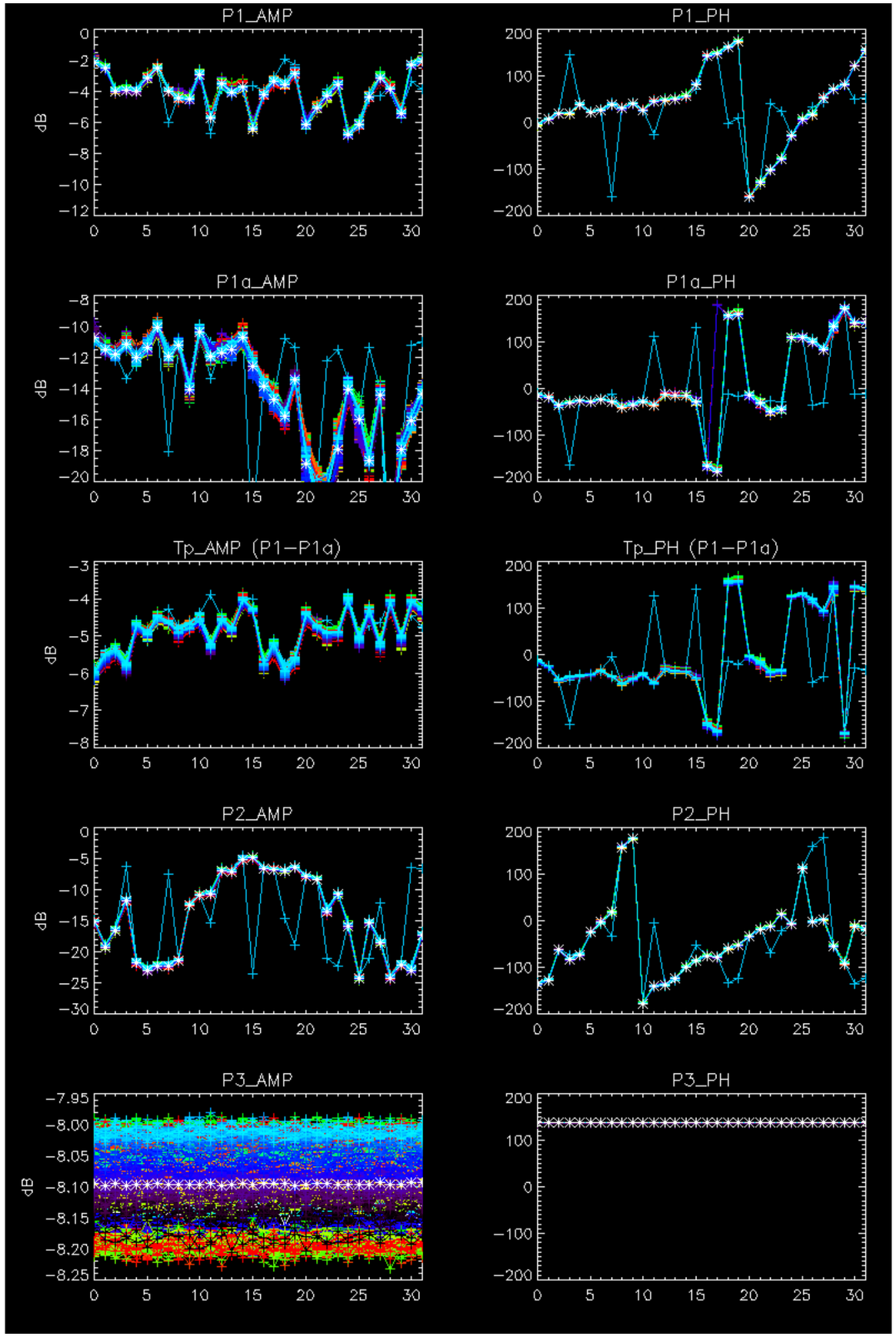

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
18
21
00
03
05−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
05−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
05−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
05−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

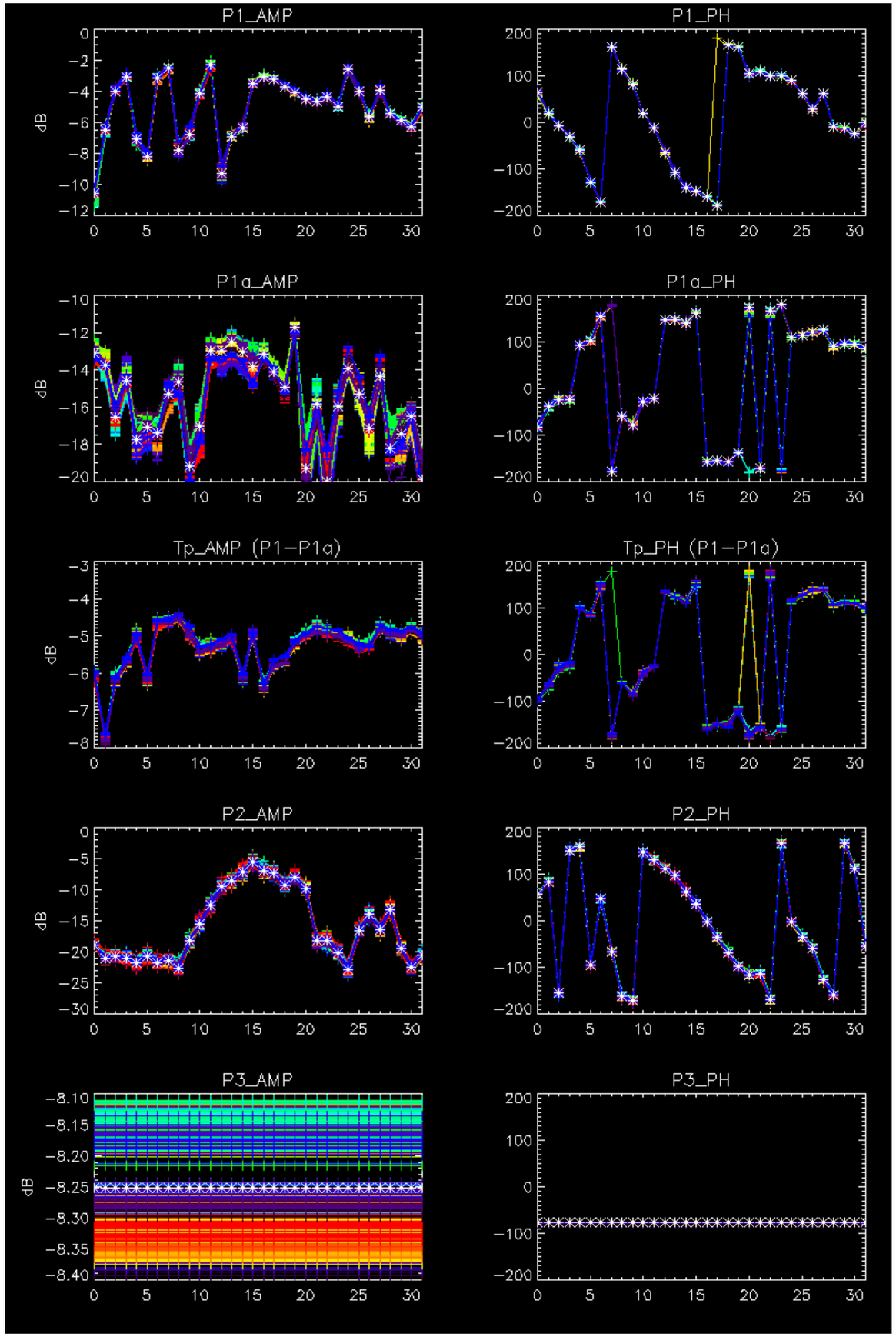

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
30−Nov
05−Dec
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


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

No anomalies observed on available browse products

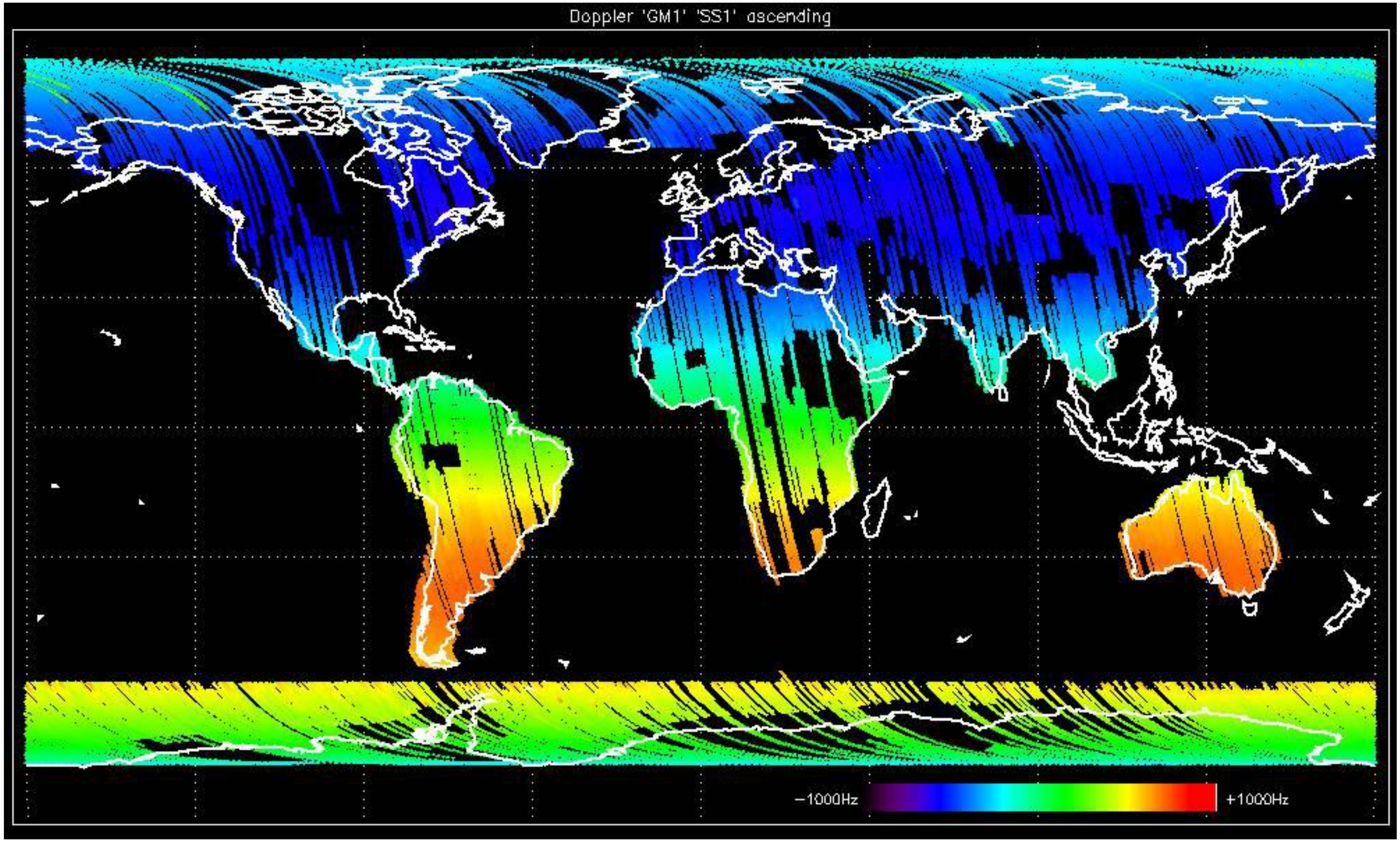
No anomalies observed.

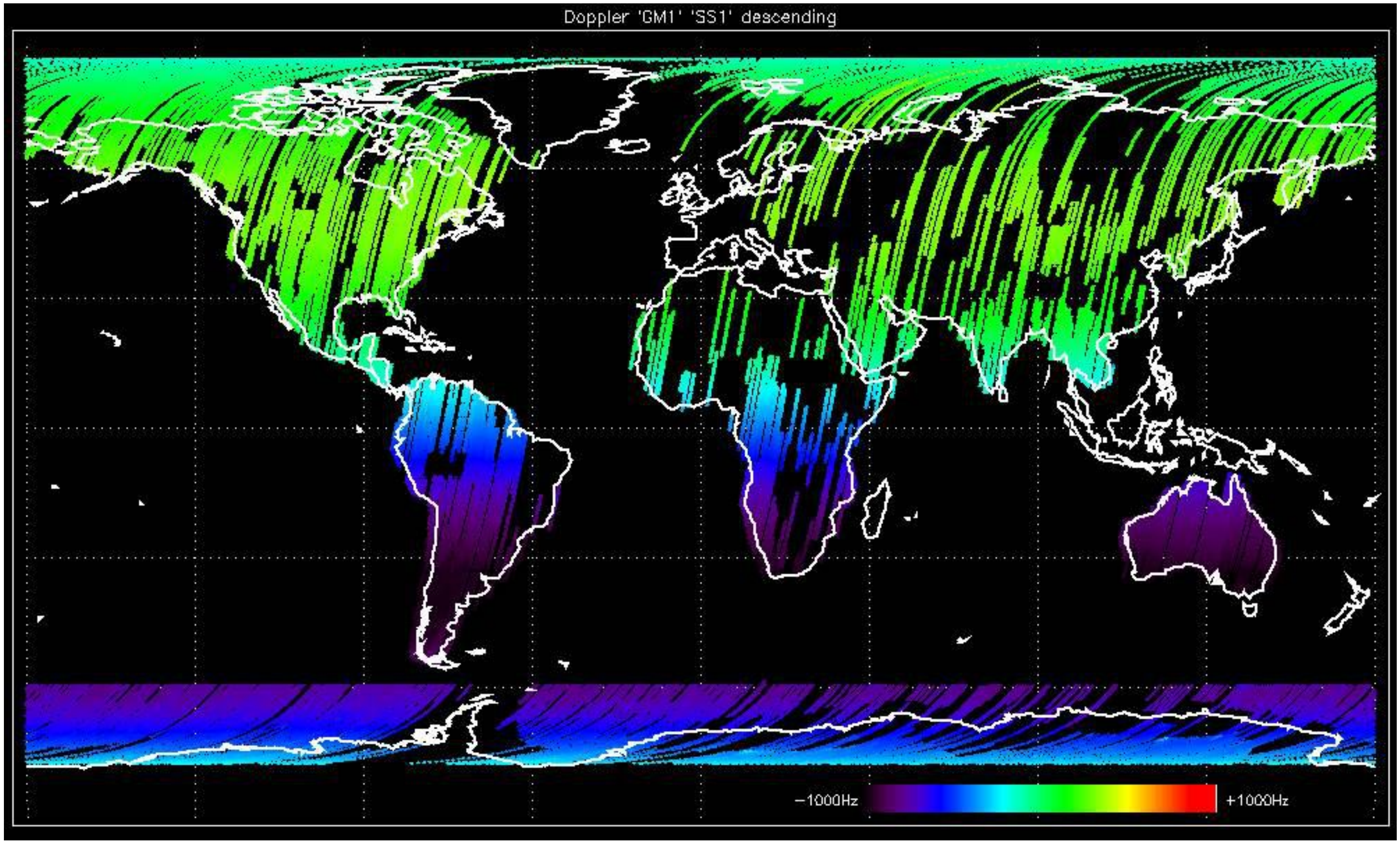

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

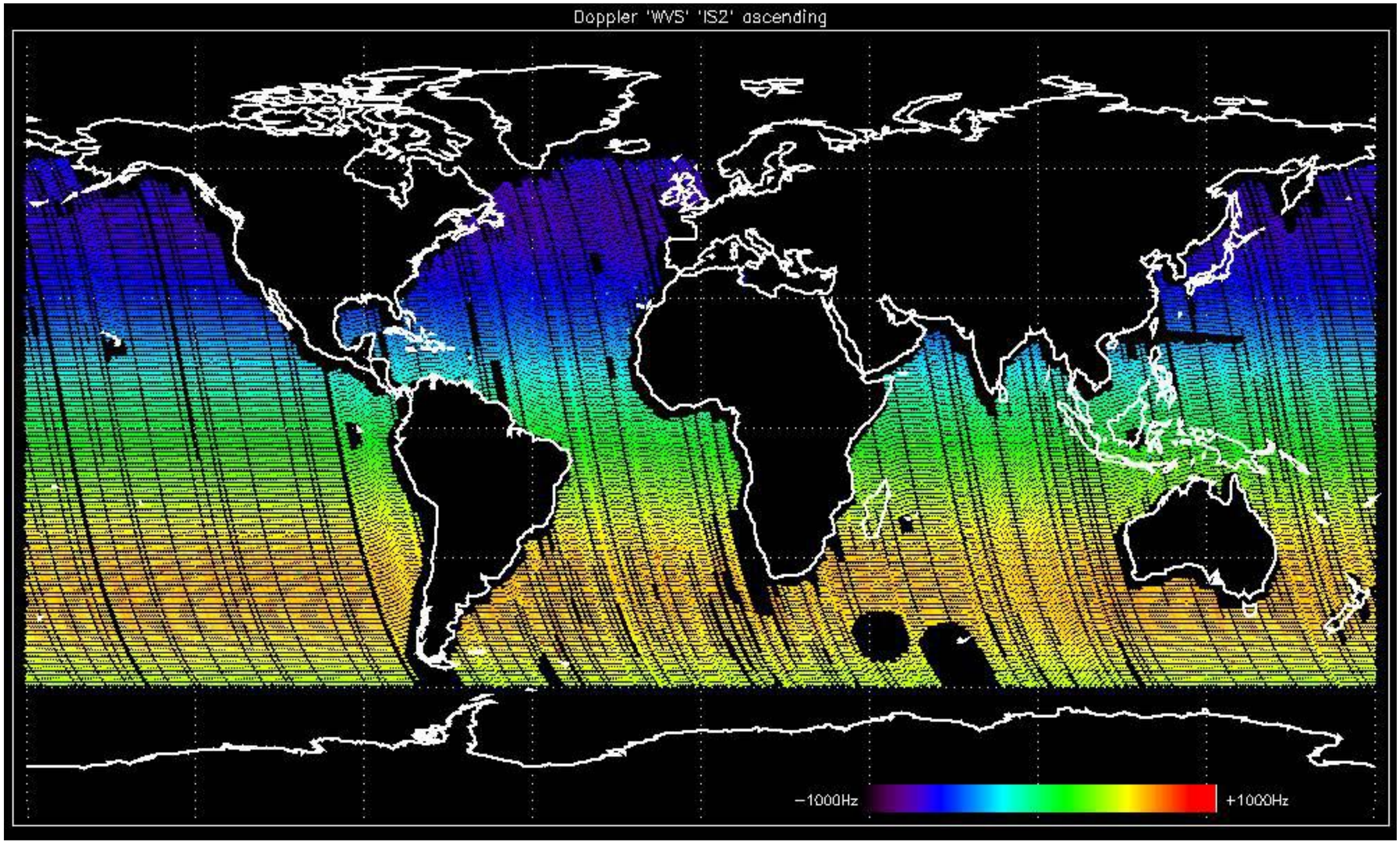

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

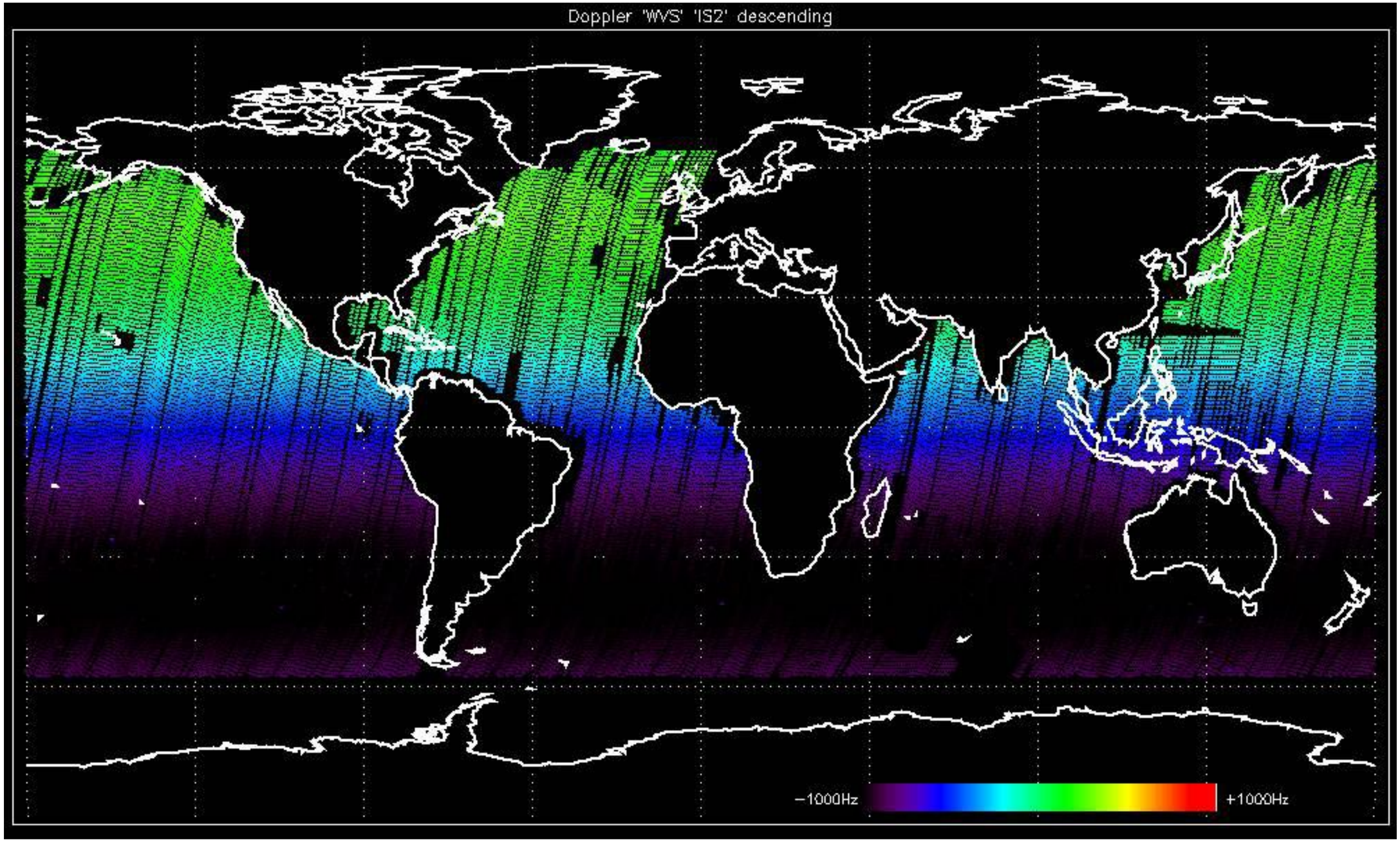
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

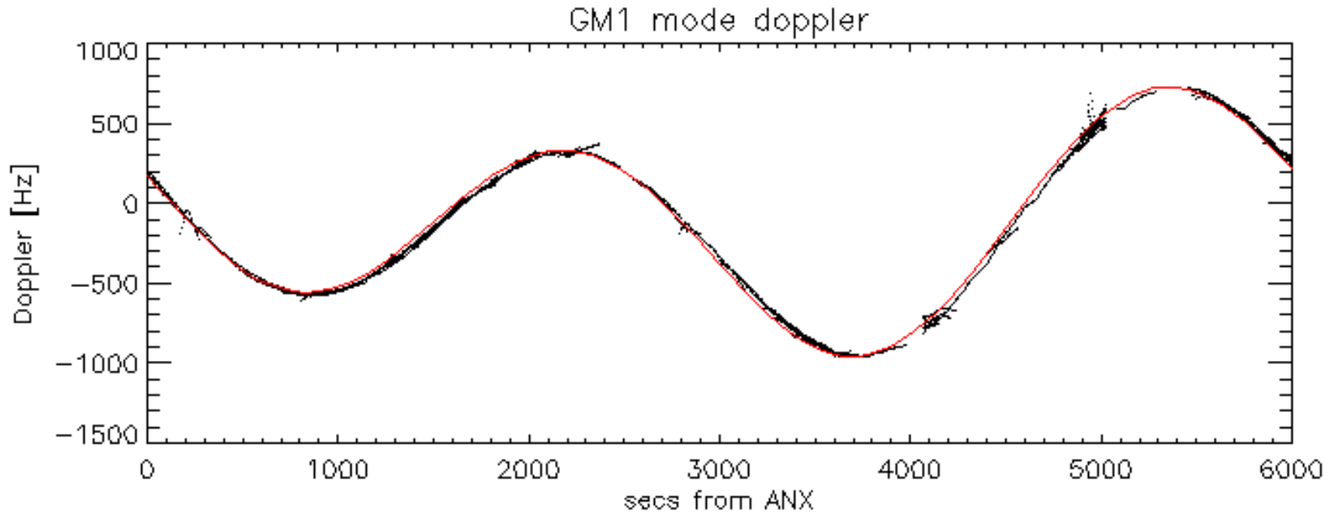
Preliminary report.The data is not yet controled

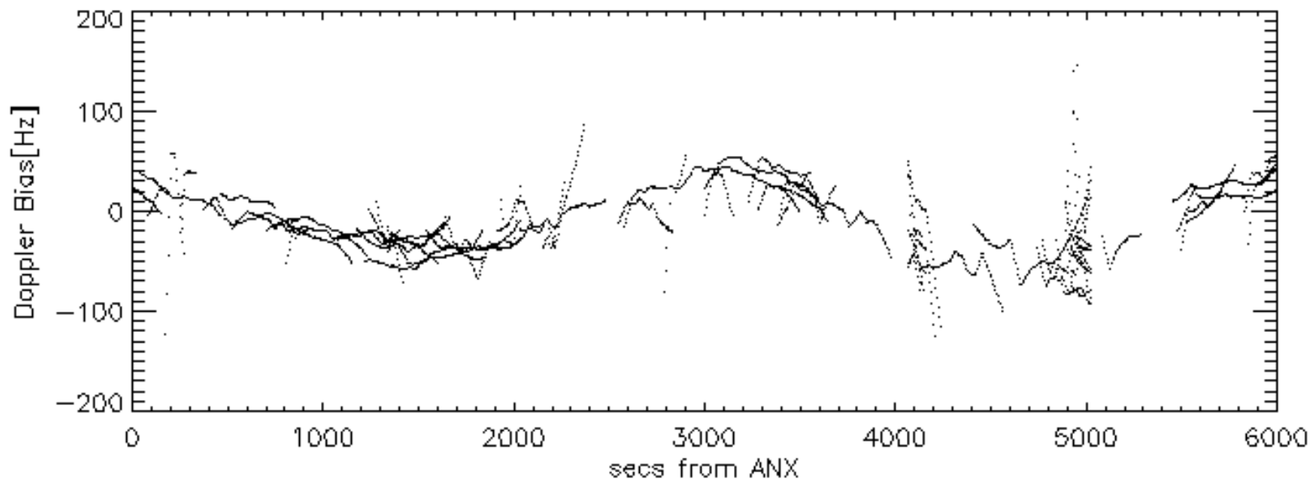

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

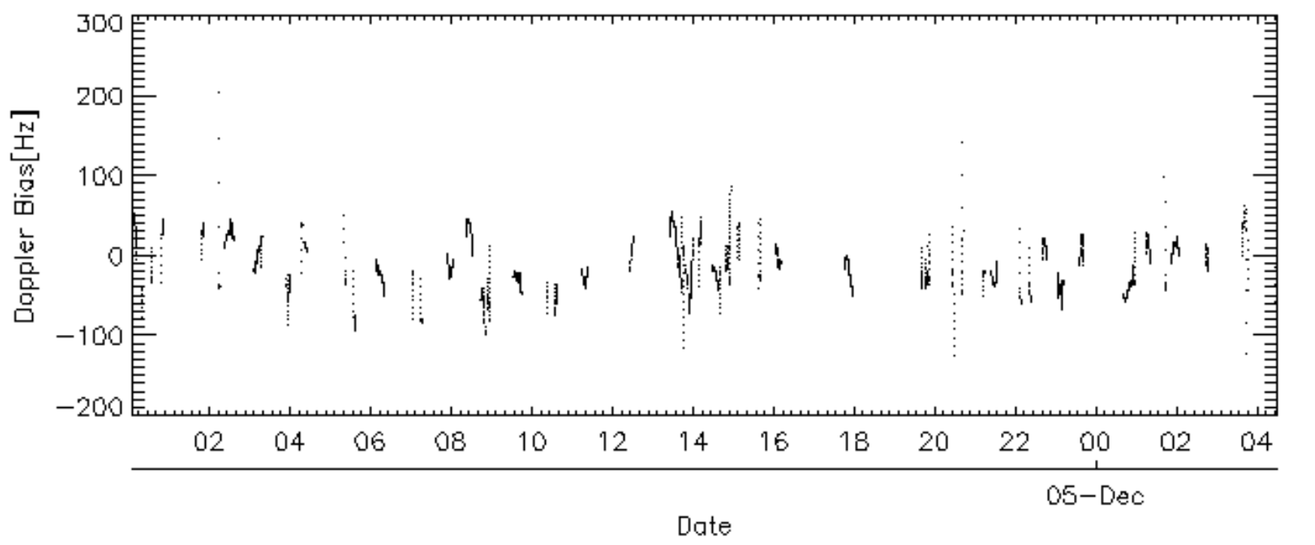

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

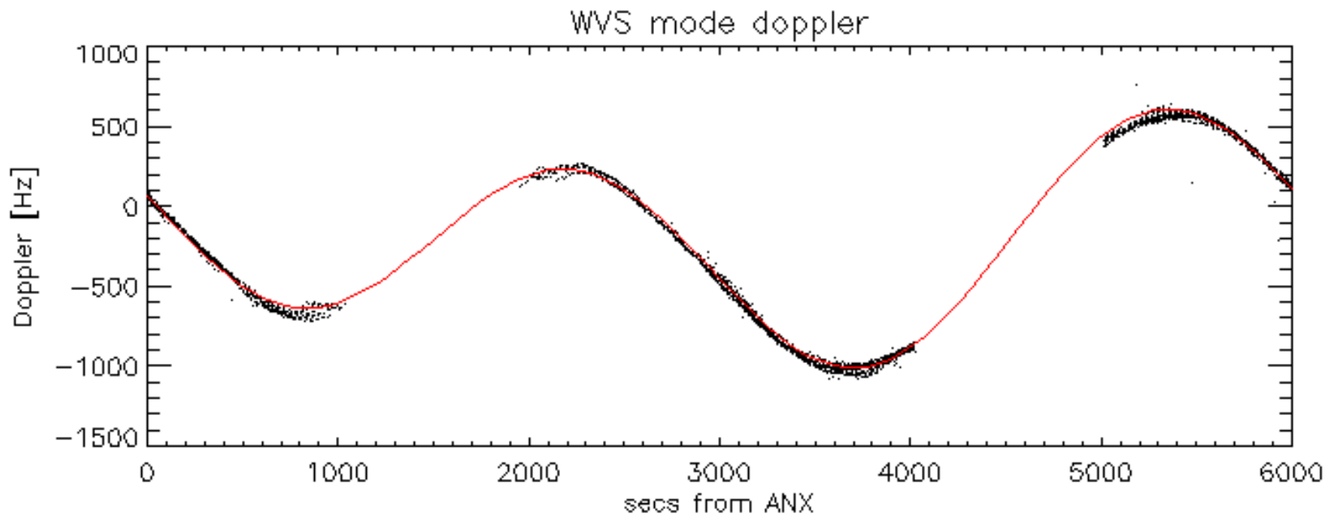

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

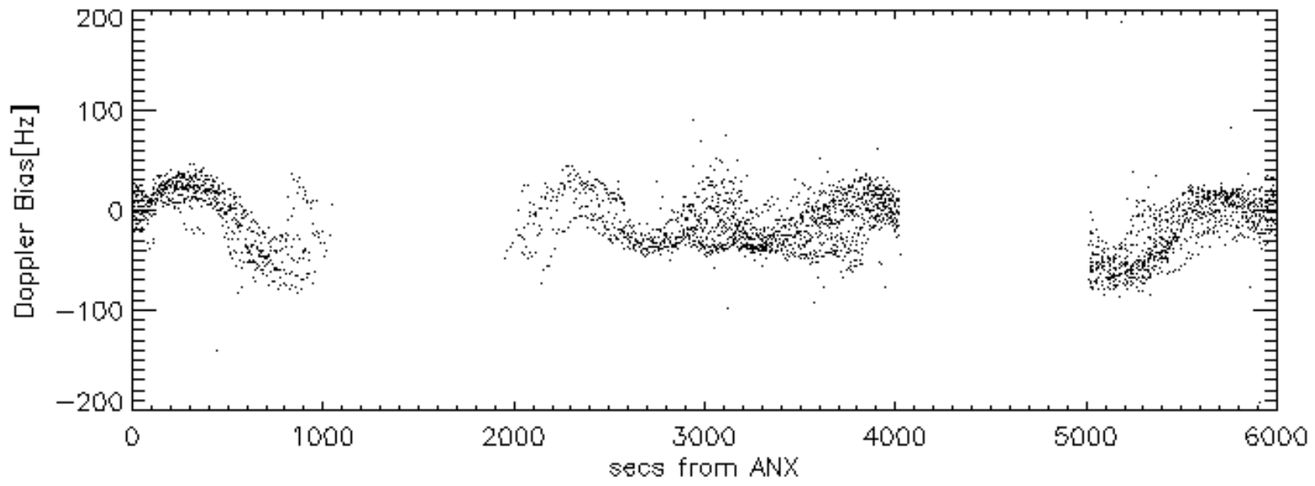

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

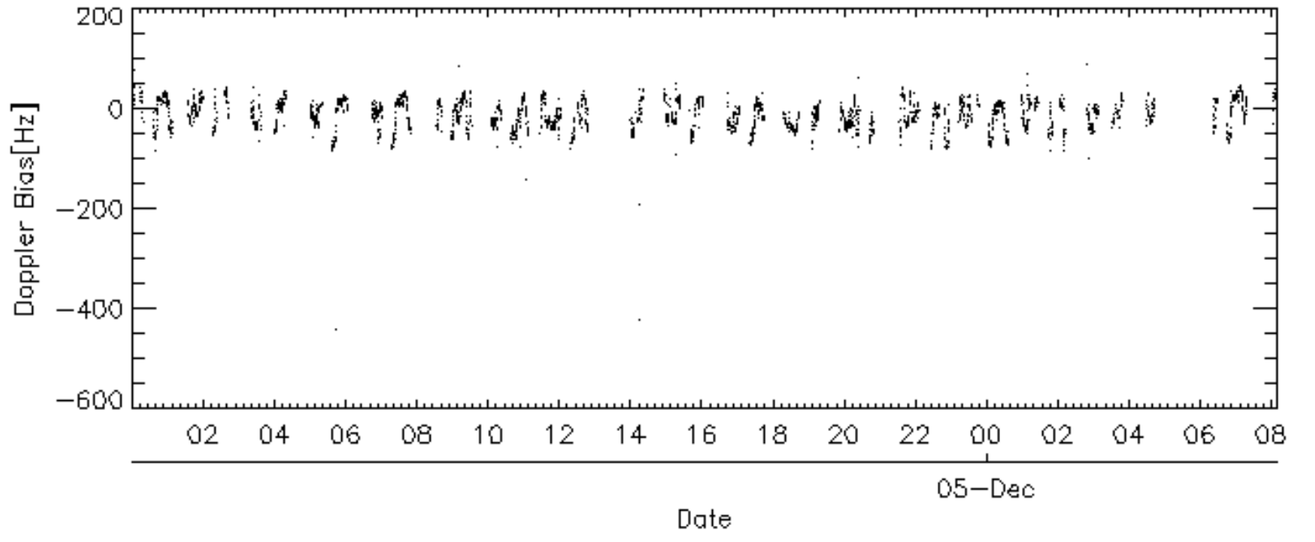

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

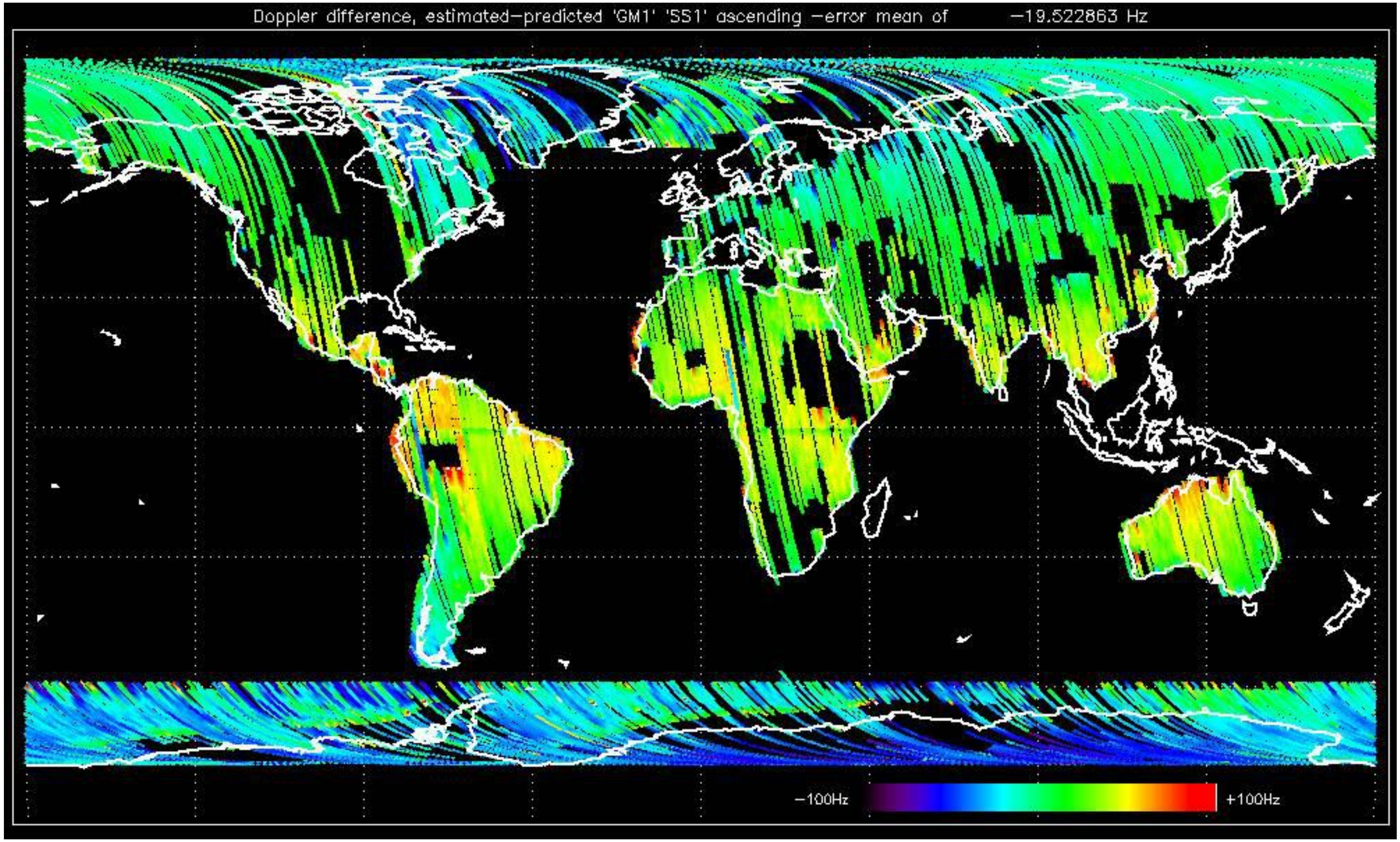

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

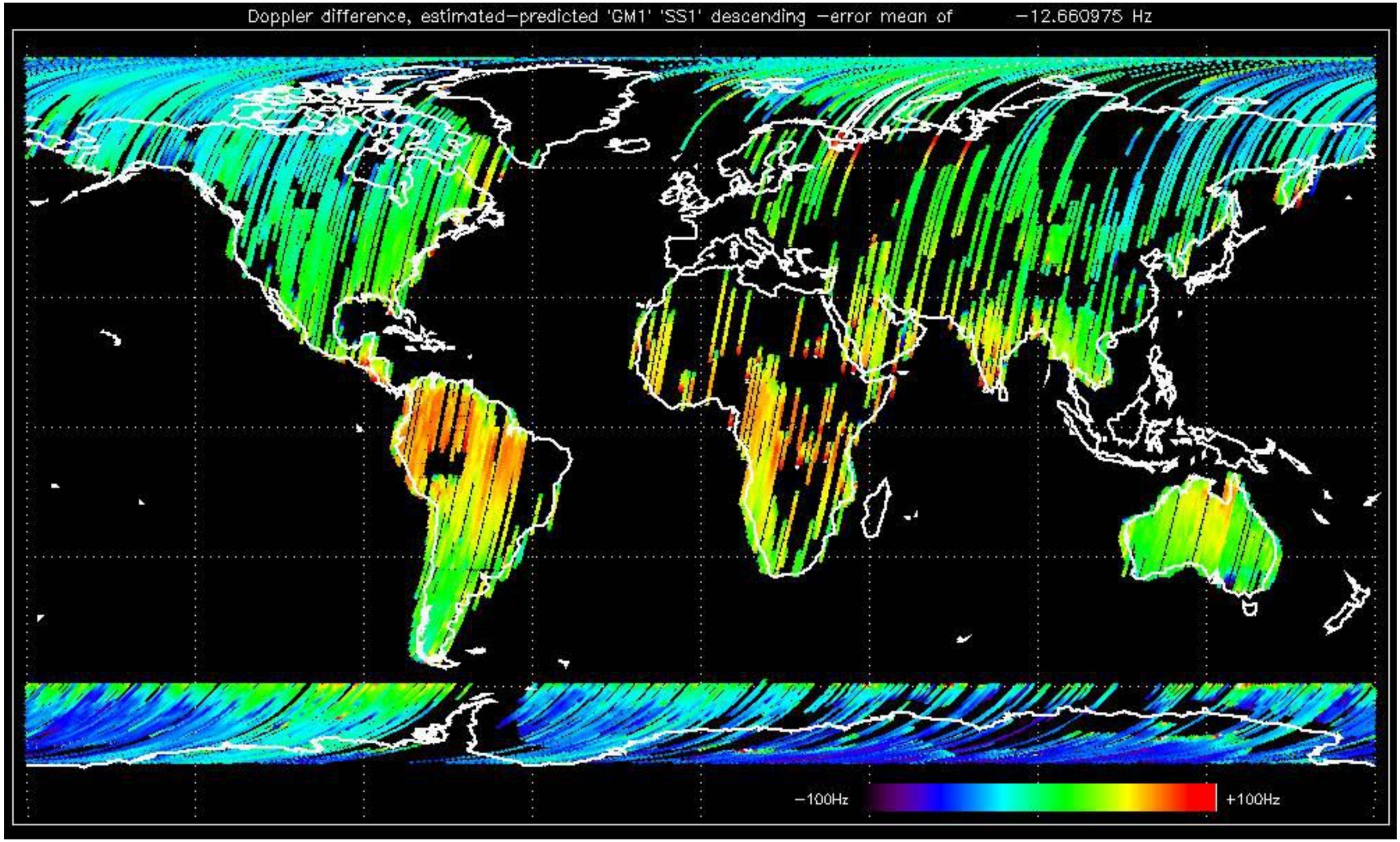

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
05−Dec
Date

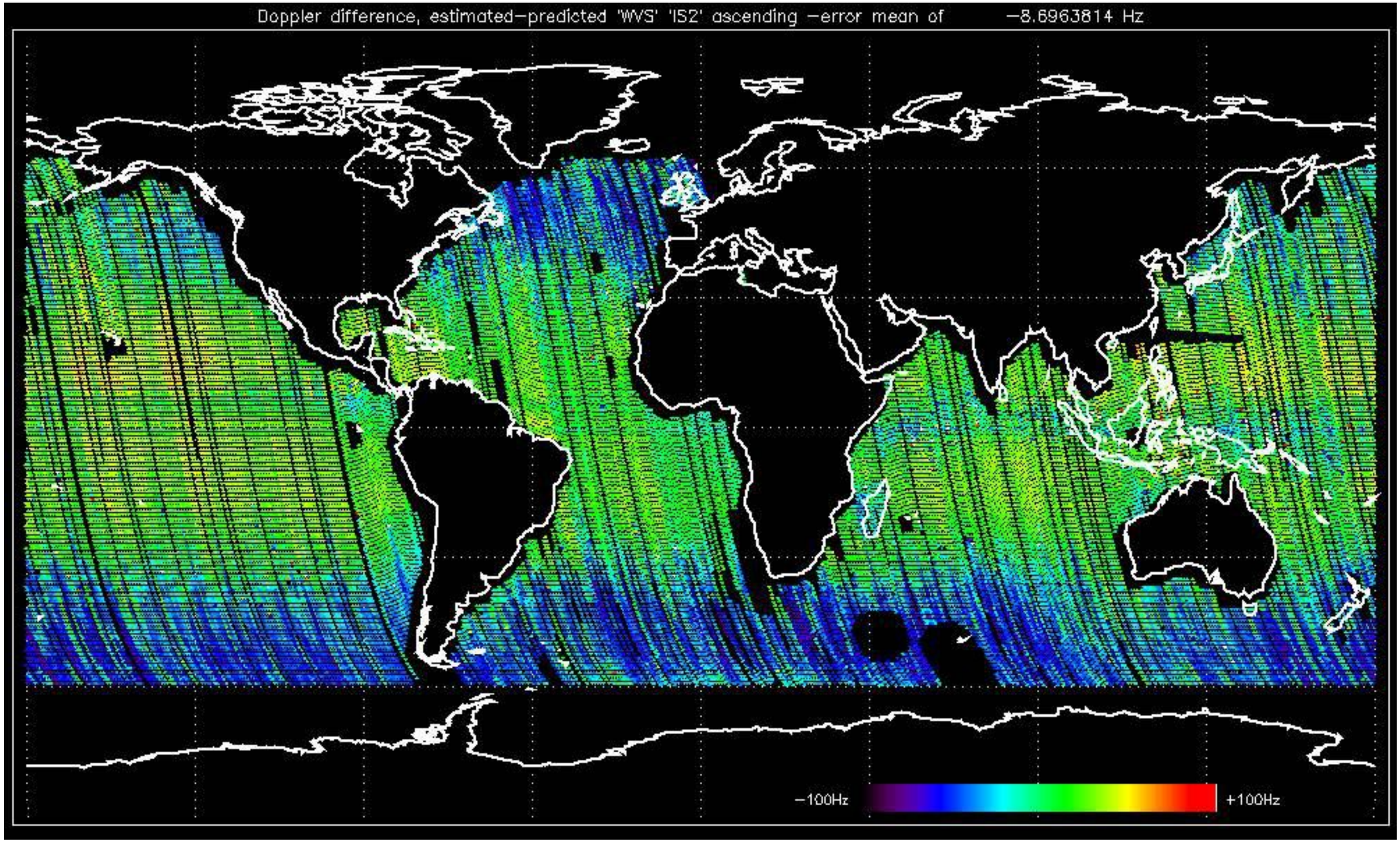

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

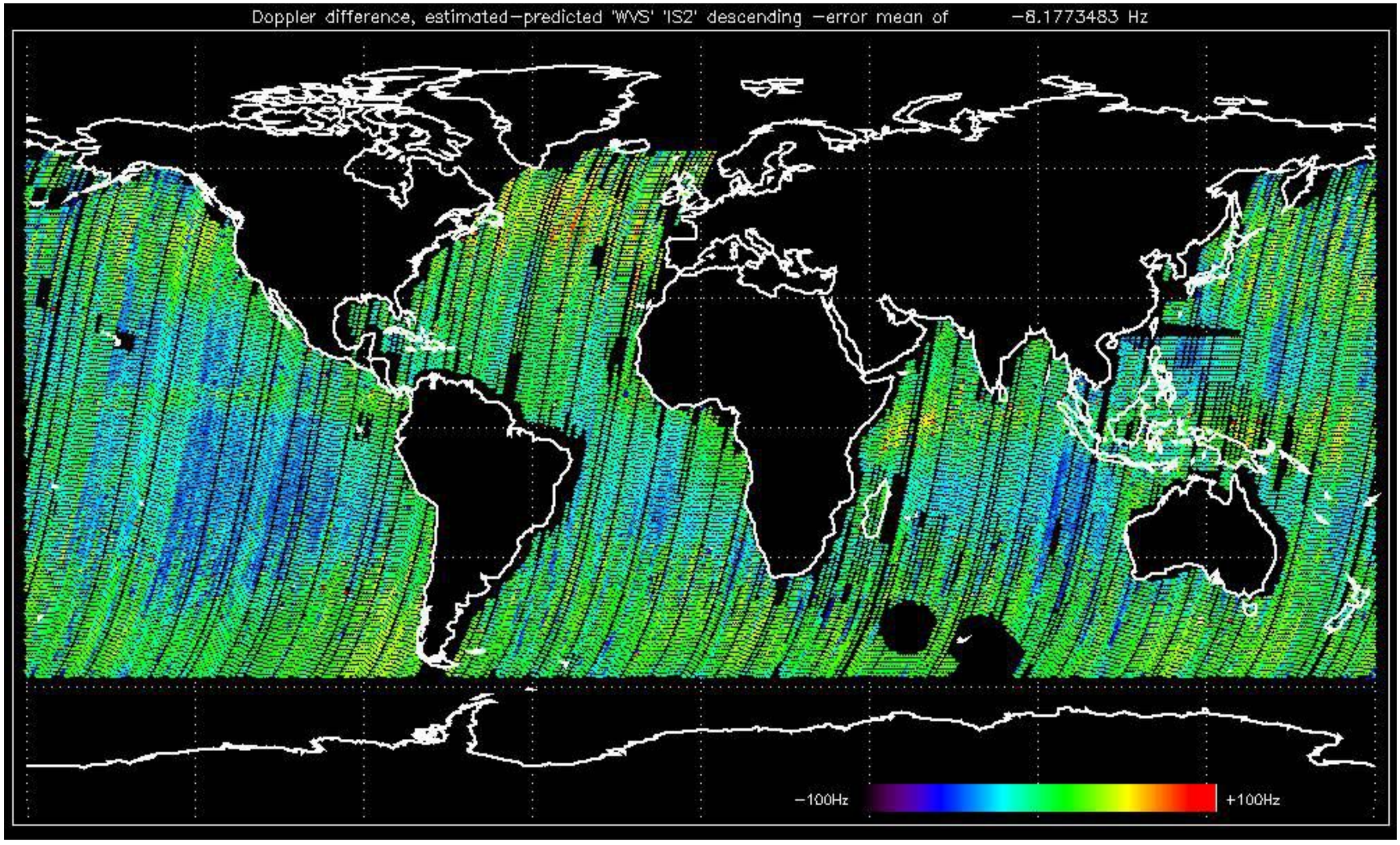

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.522863 Hz
−100Hz
+100Hz

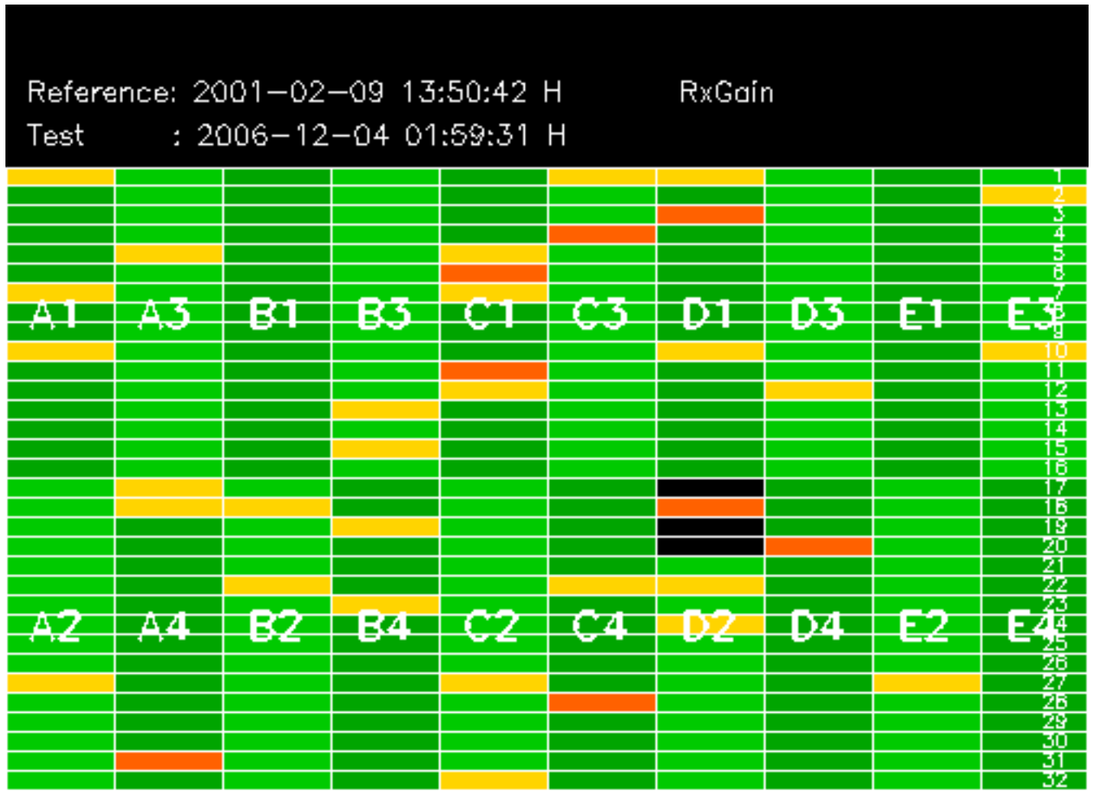

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −12.660975 Hz
−100Hz
+100Hz

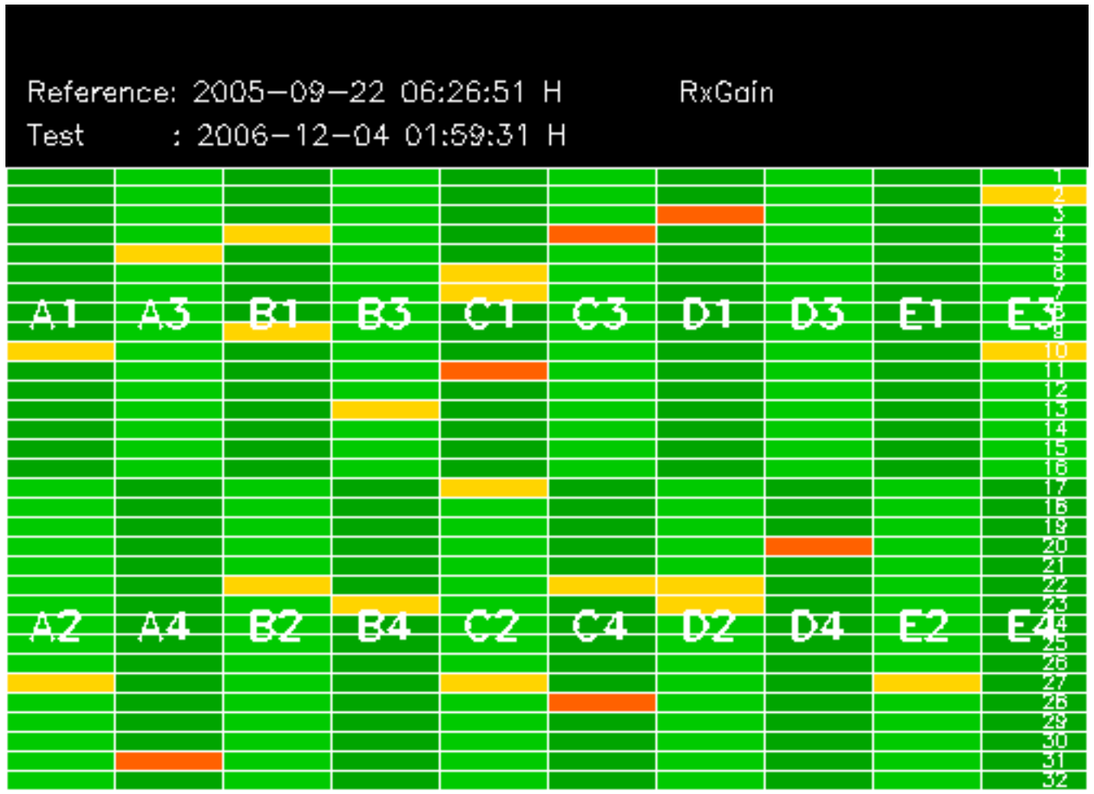

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −8.6963814 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −8.1773483 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-04 01:59:31 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-04 01:59:31 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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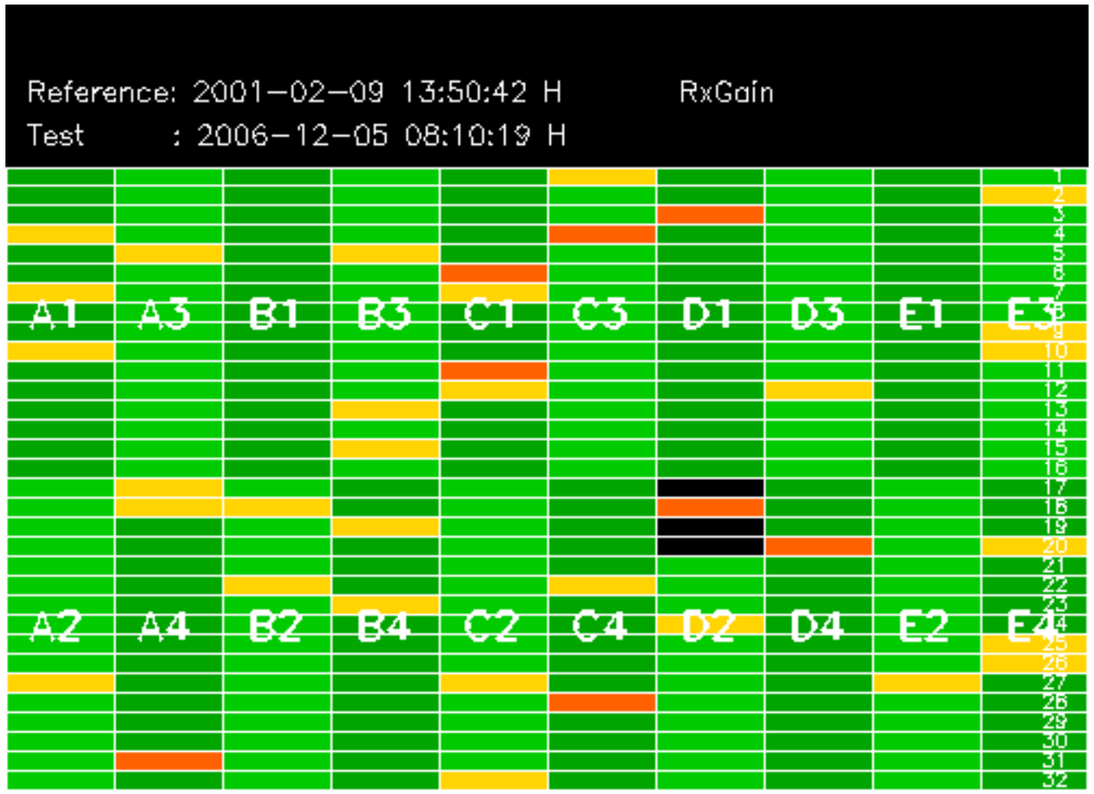
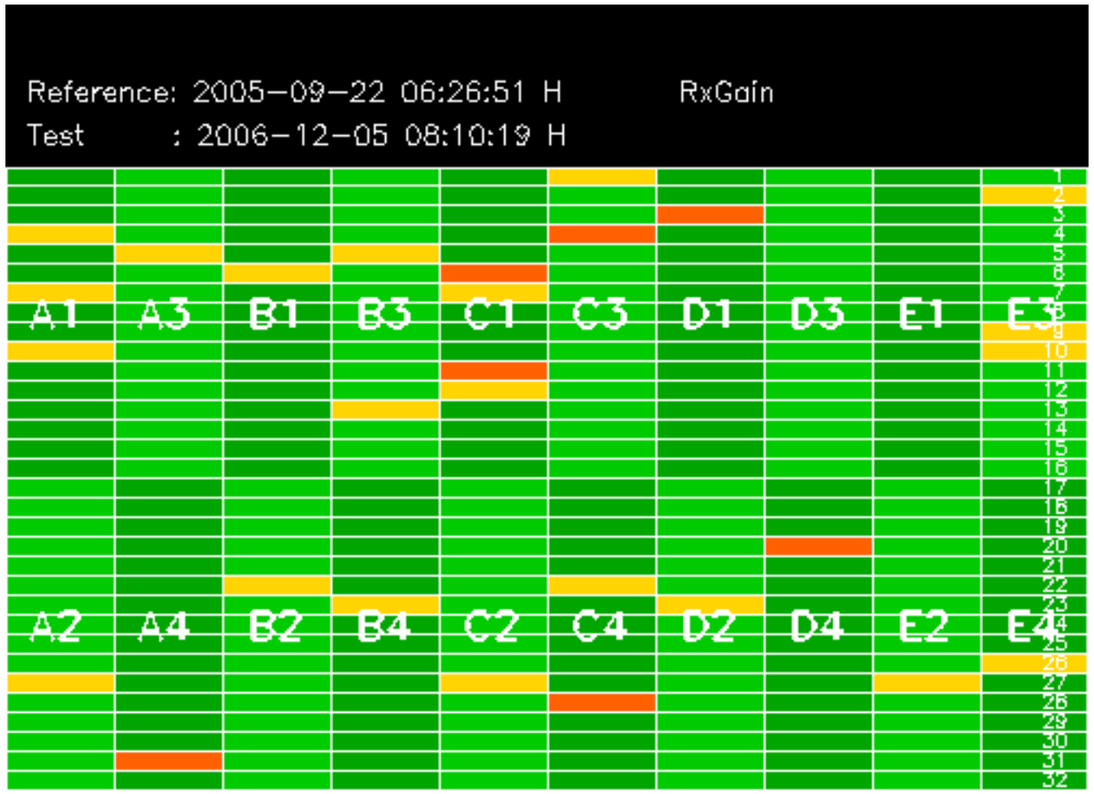
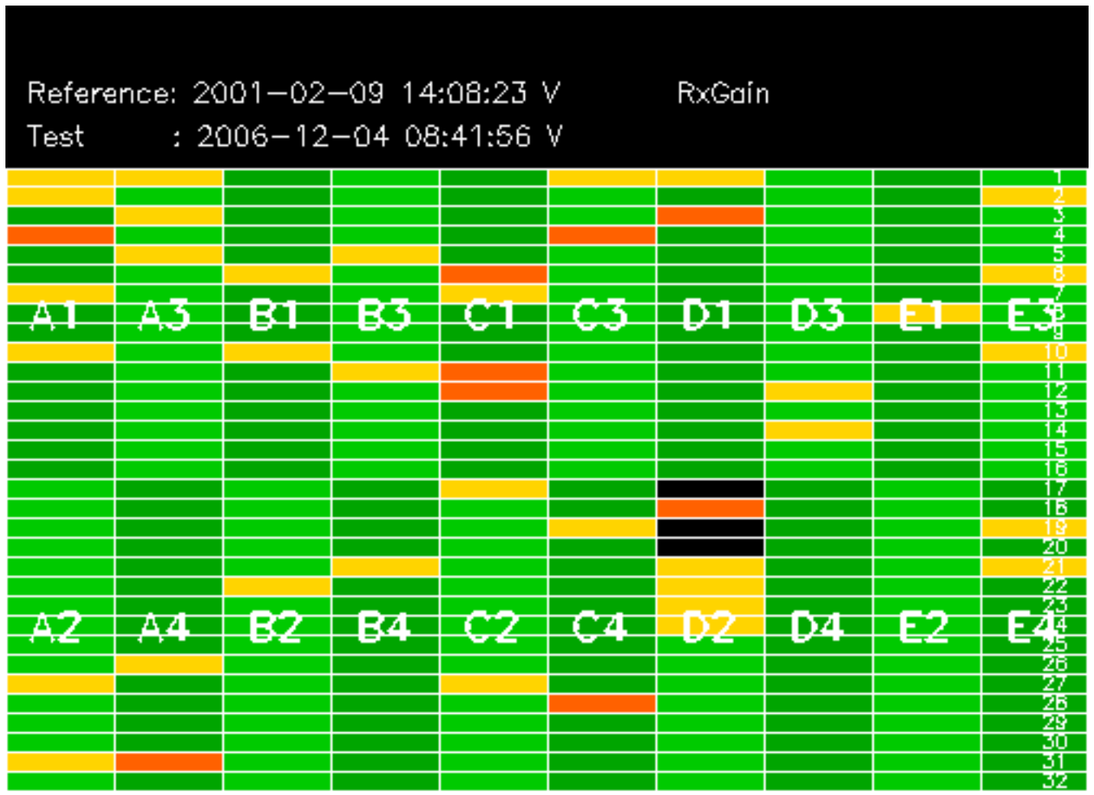
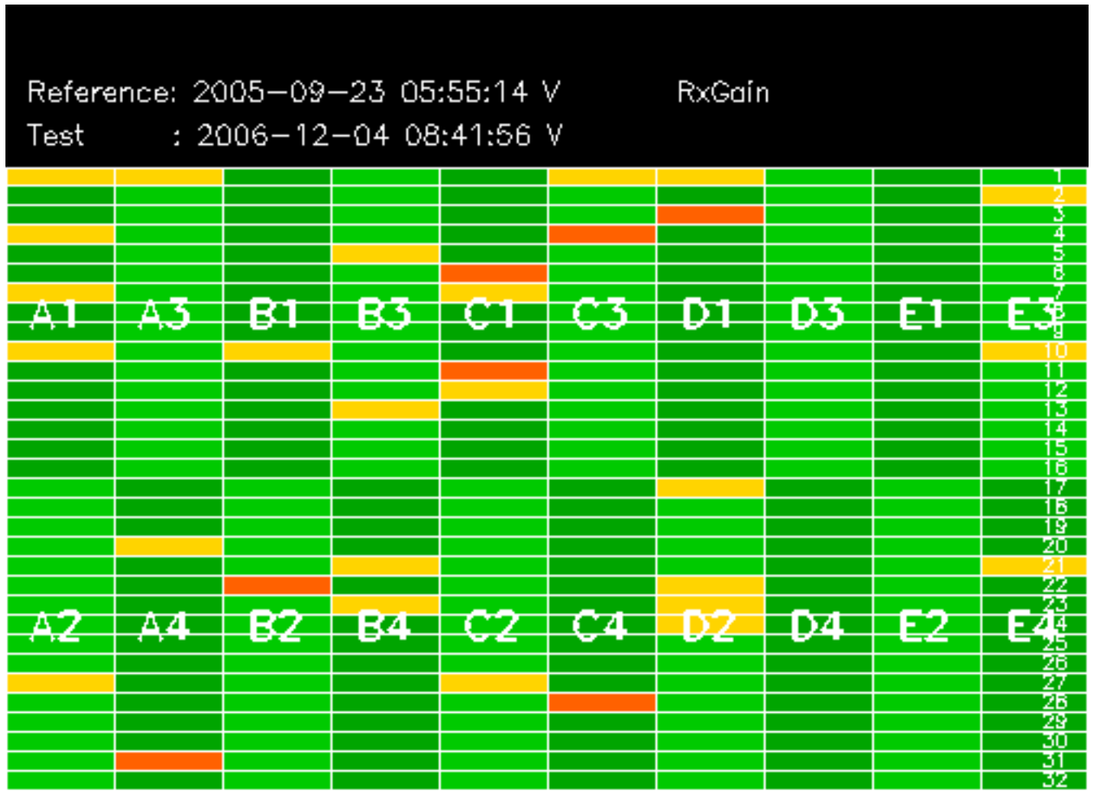

Reference: 2001-02-09 13:50:42 H
Test : 2006-12-05 08:10:19 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-05 08:10:19 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2006-12-04 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: 2005-09-23 05:55:14 V
Test : 2006-12-04 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
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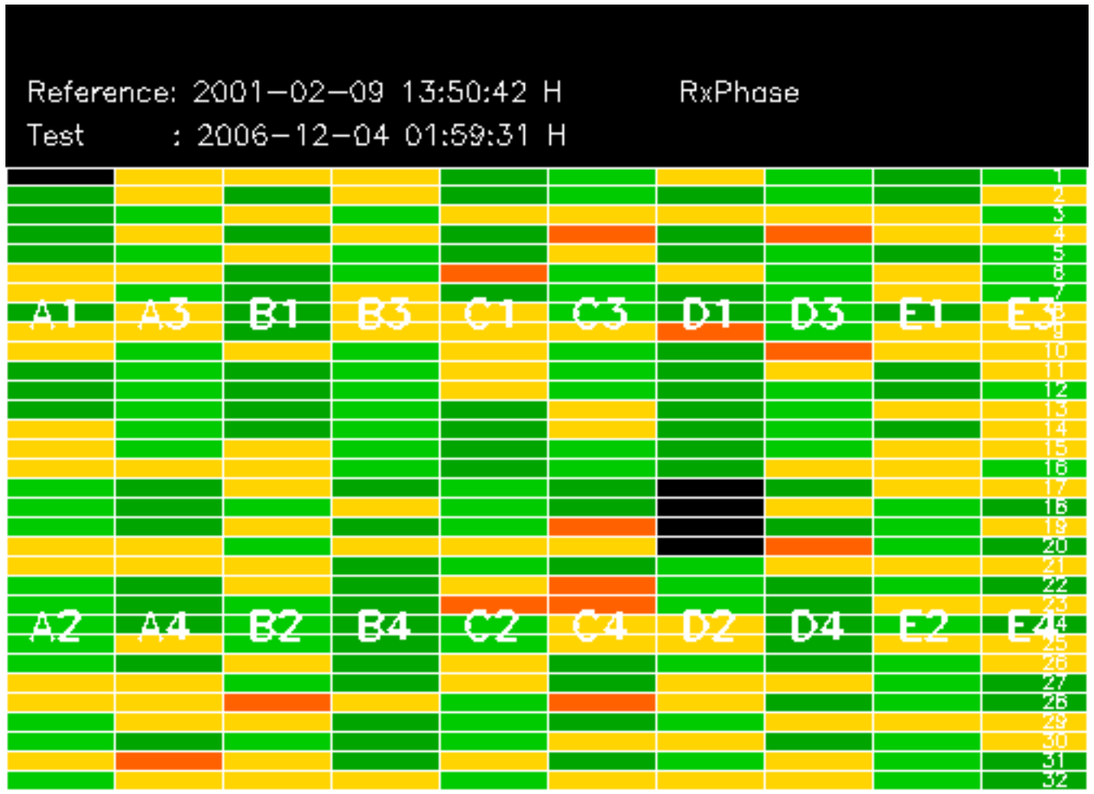
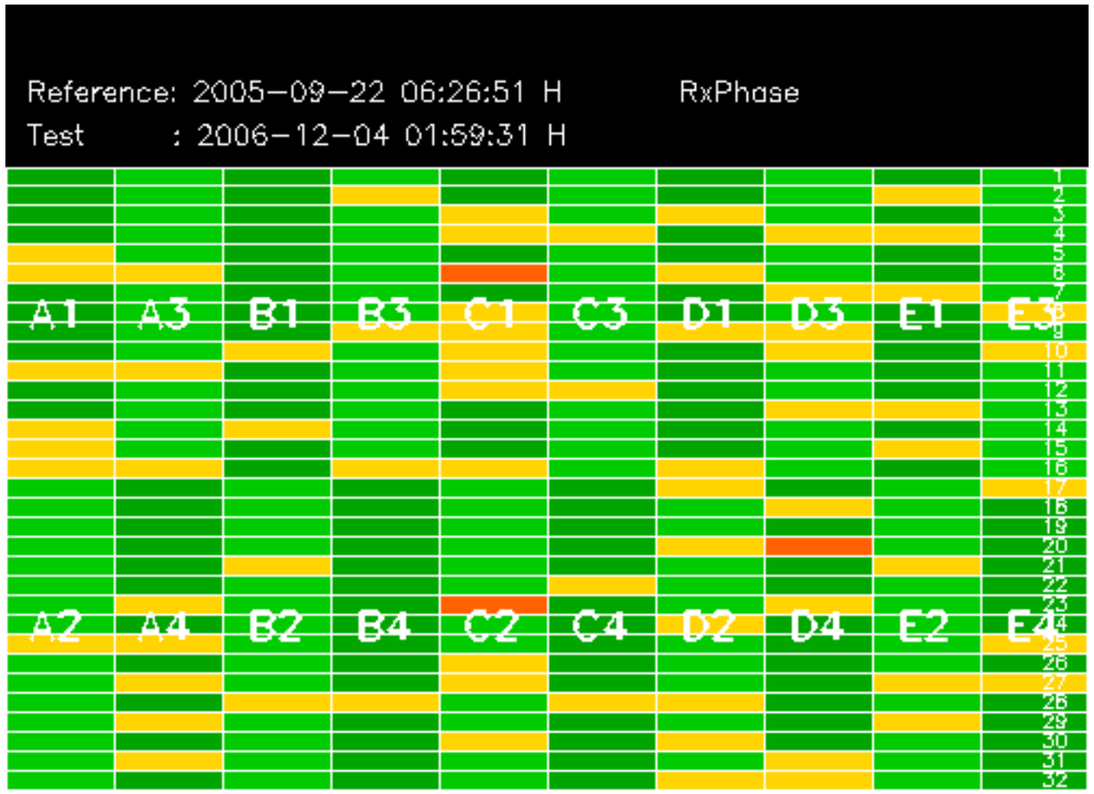

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-12-04 01:59:31 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-04 01:59:31 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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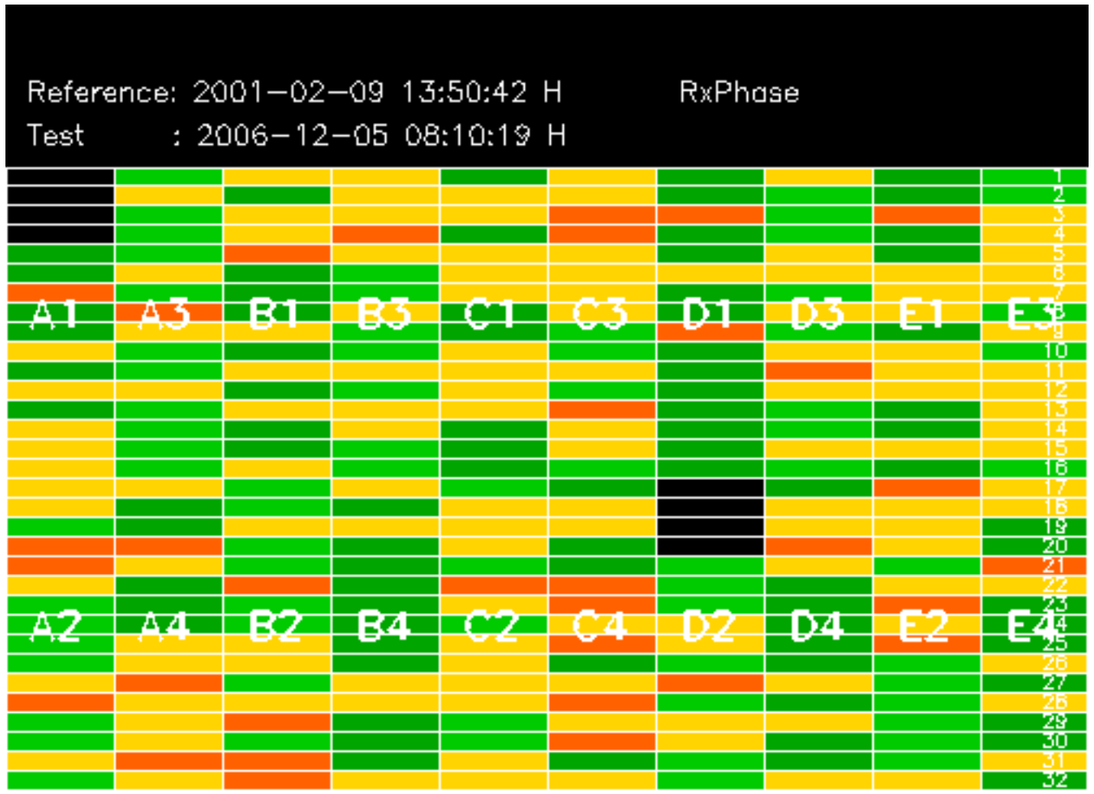
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-12-05 08:10:19 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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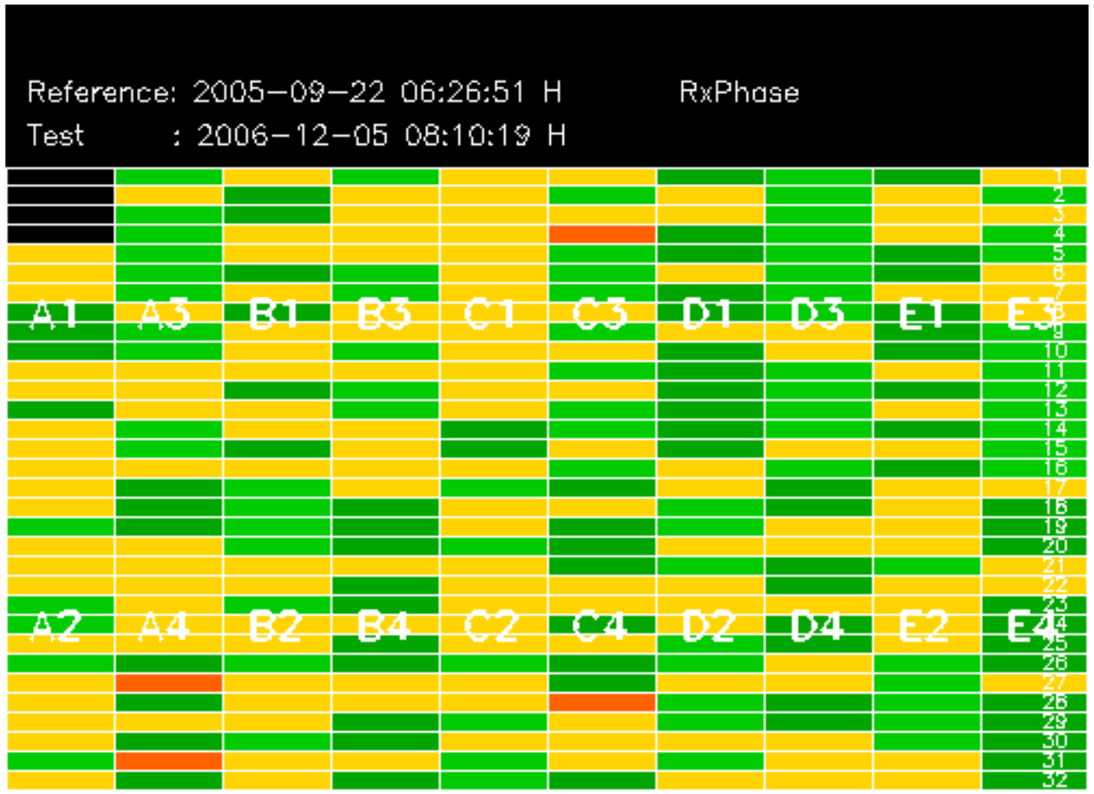
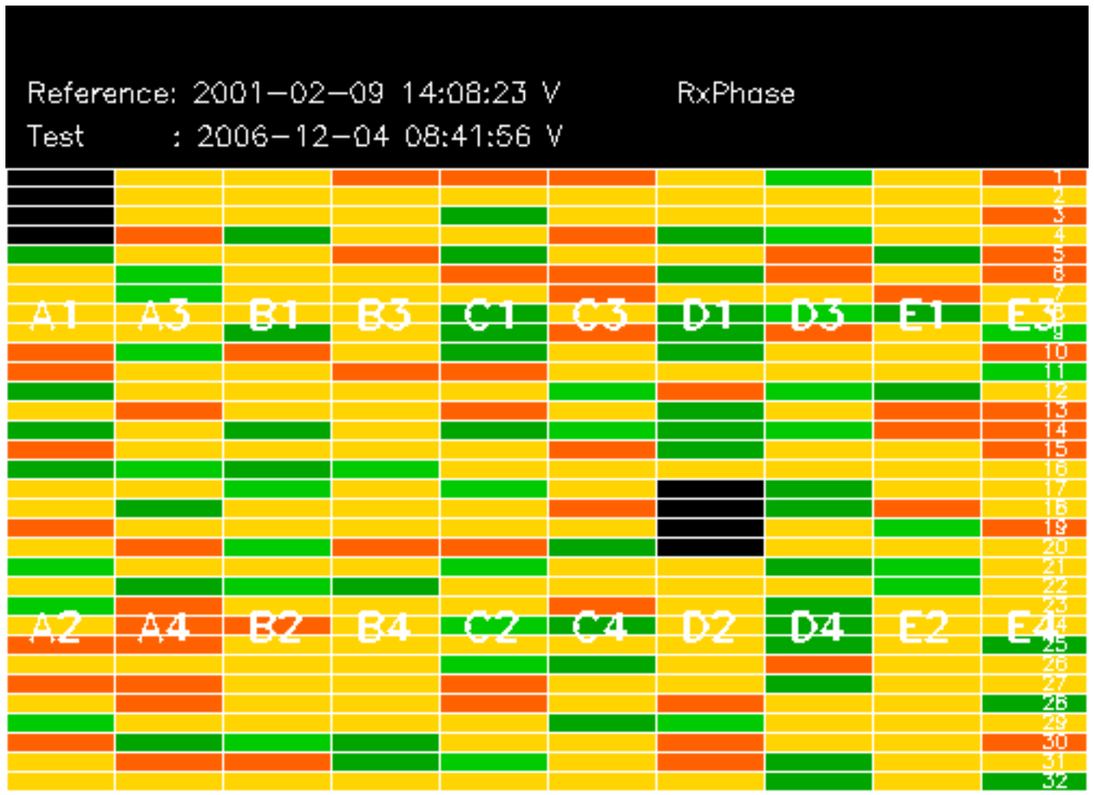
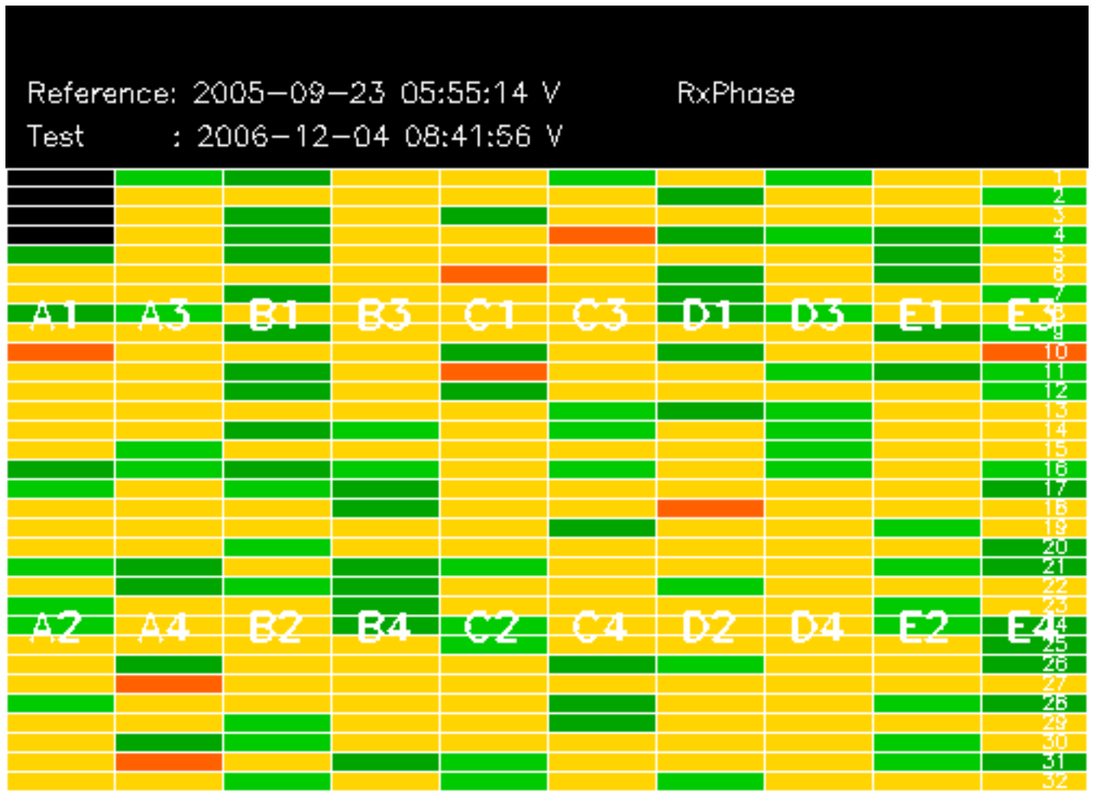
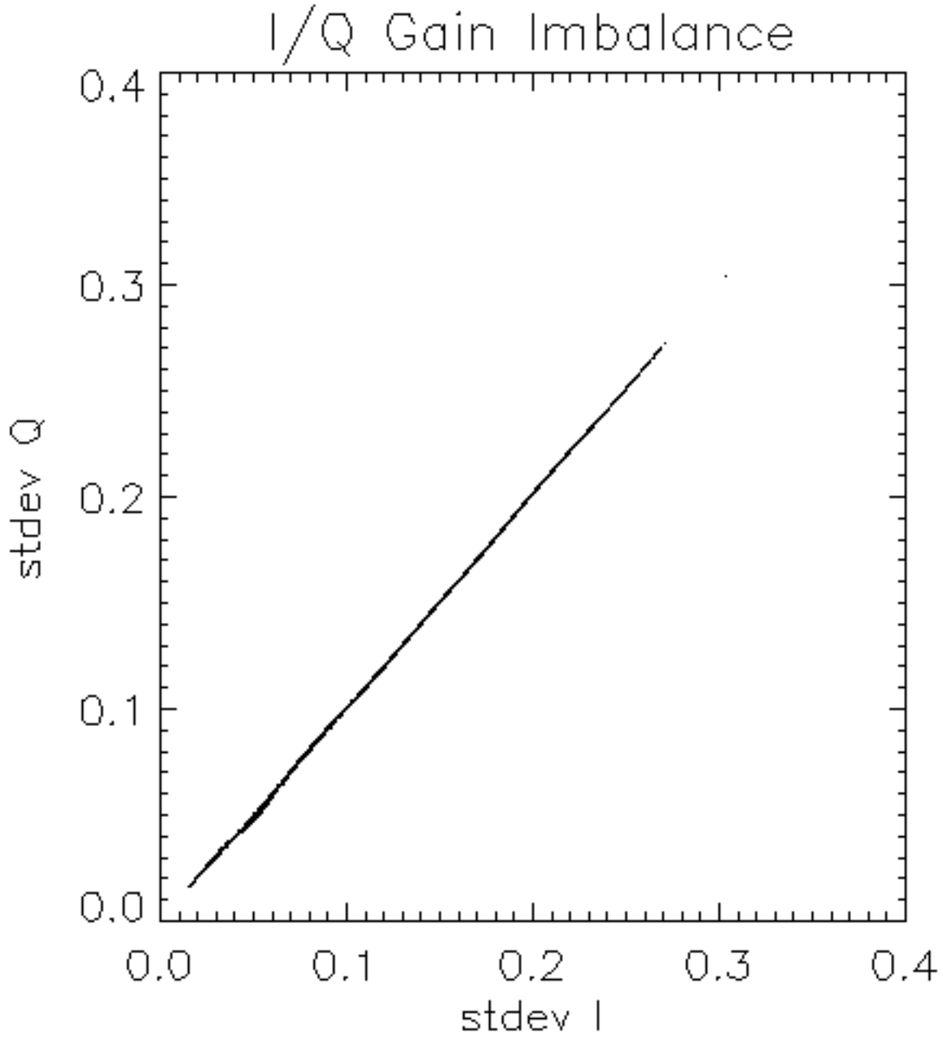
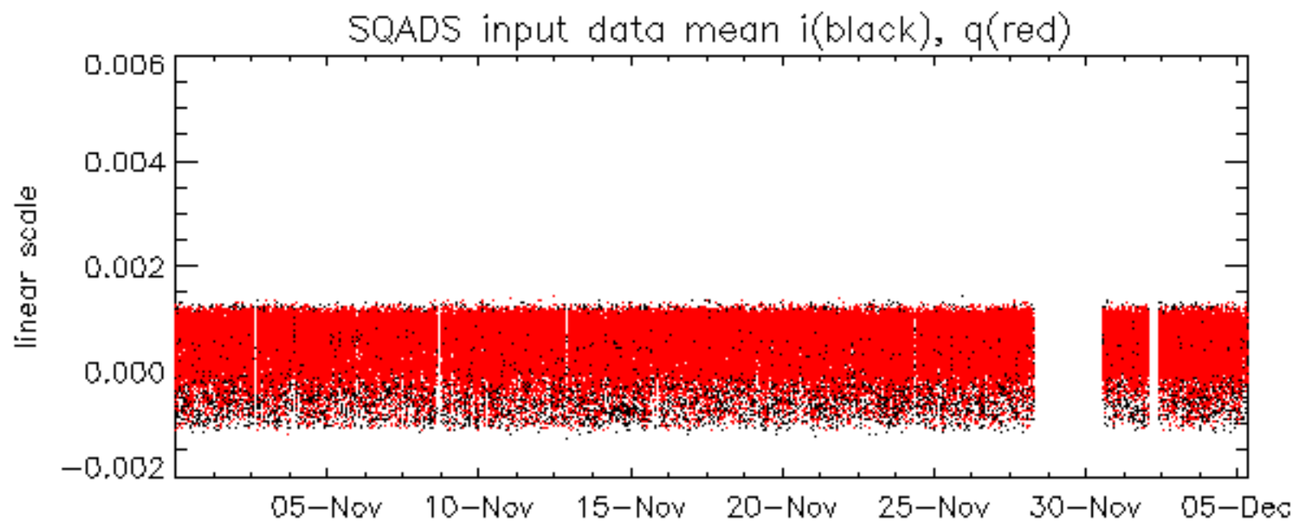
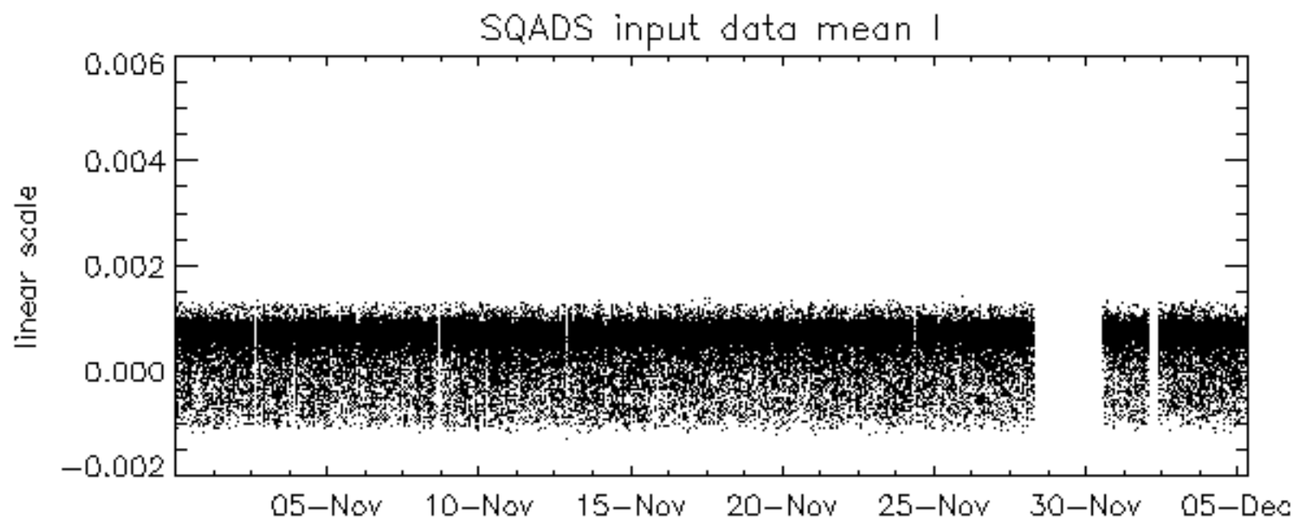

Reference: 2005-09-22 06:26:51 H
Test : 2006-12-05 08:10:19 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

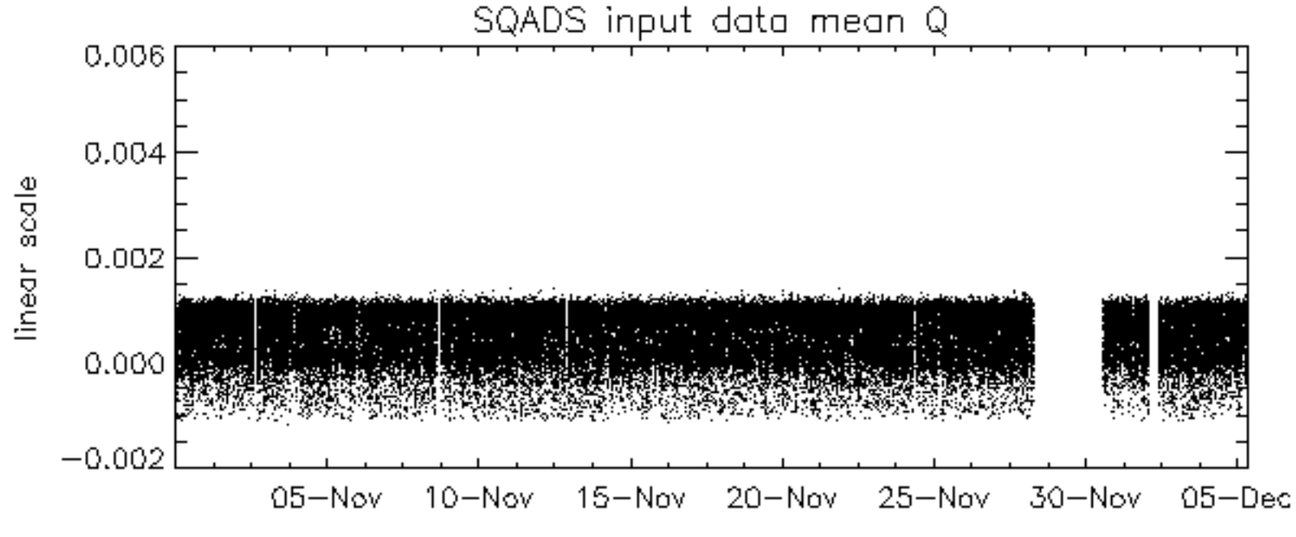

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-04 08:41:56 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

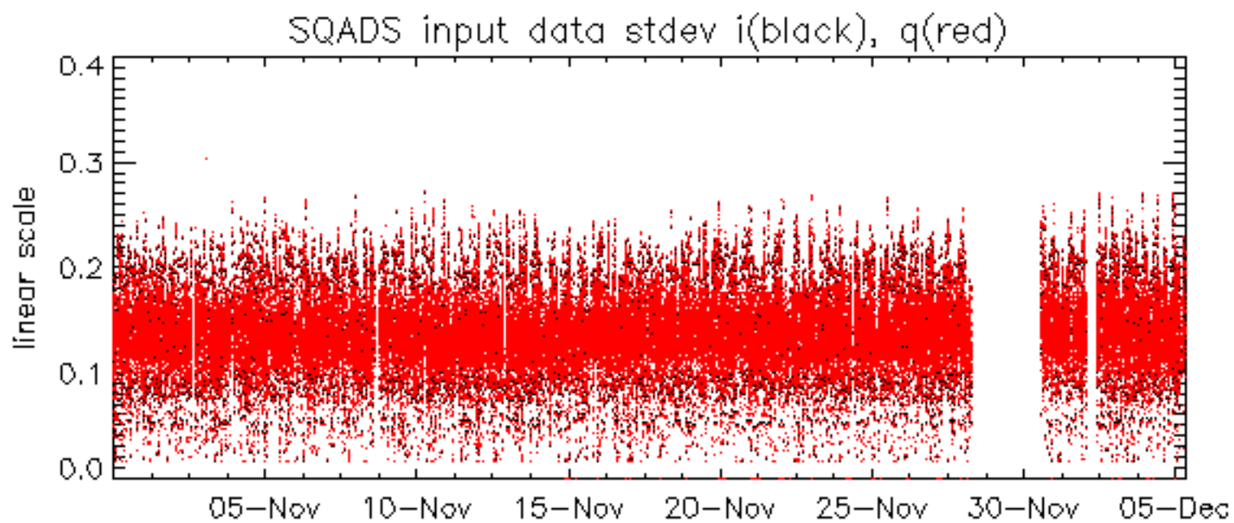

Reference: 2005-09-23 05:55:14 V
Test : 2006-12-04 08:41:56 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

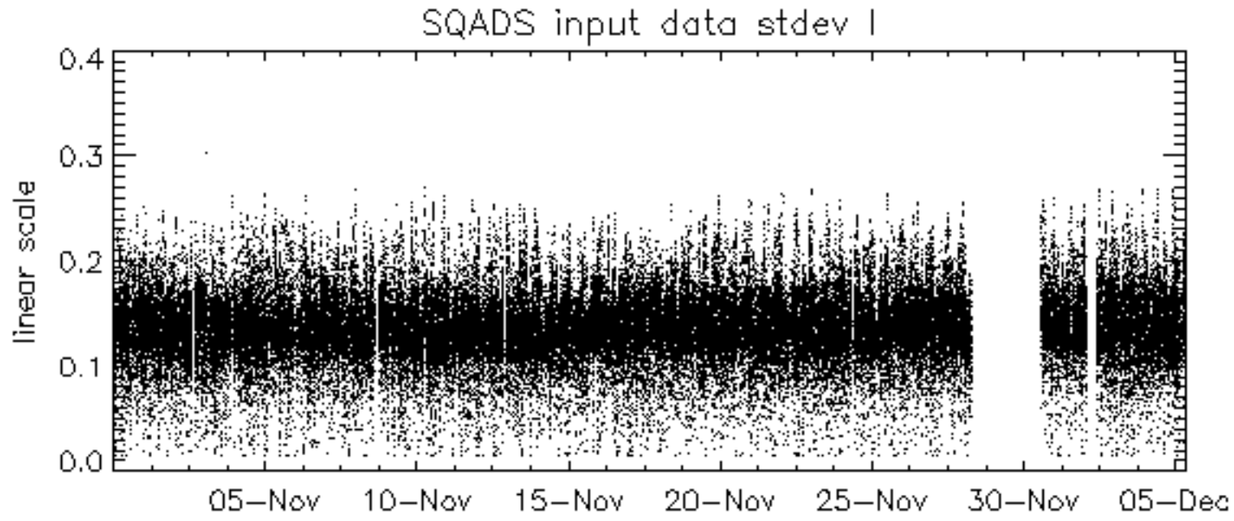

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

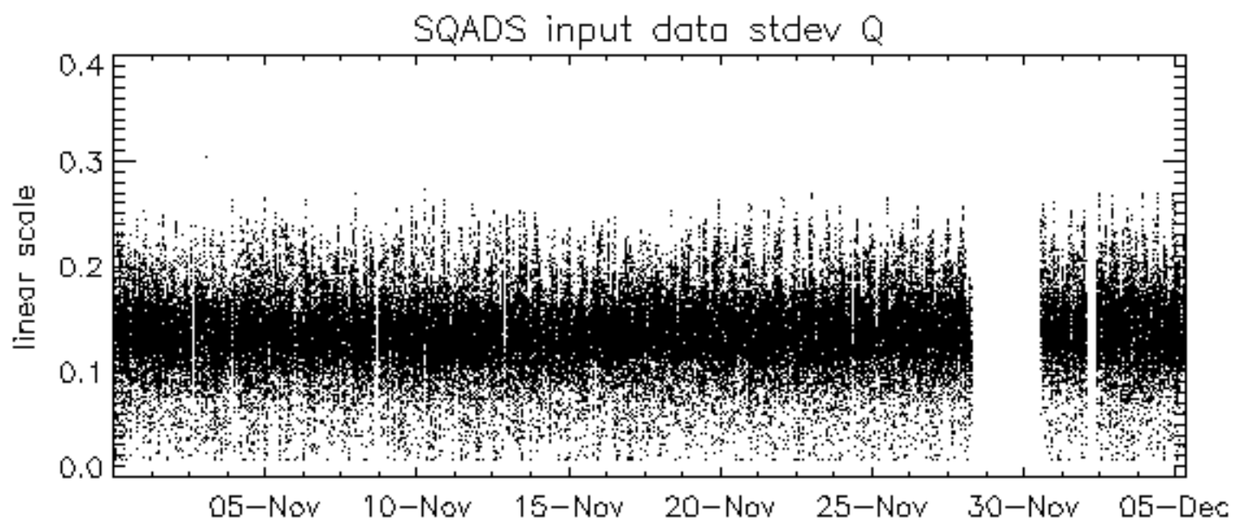

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
30−Nov
05−Dec

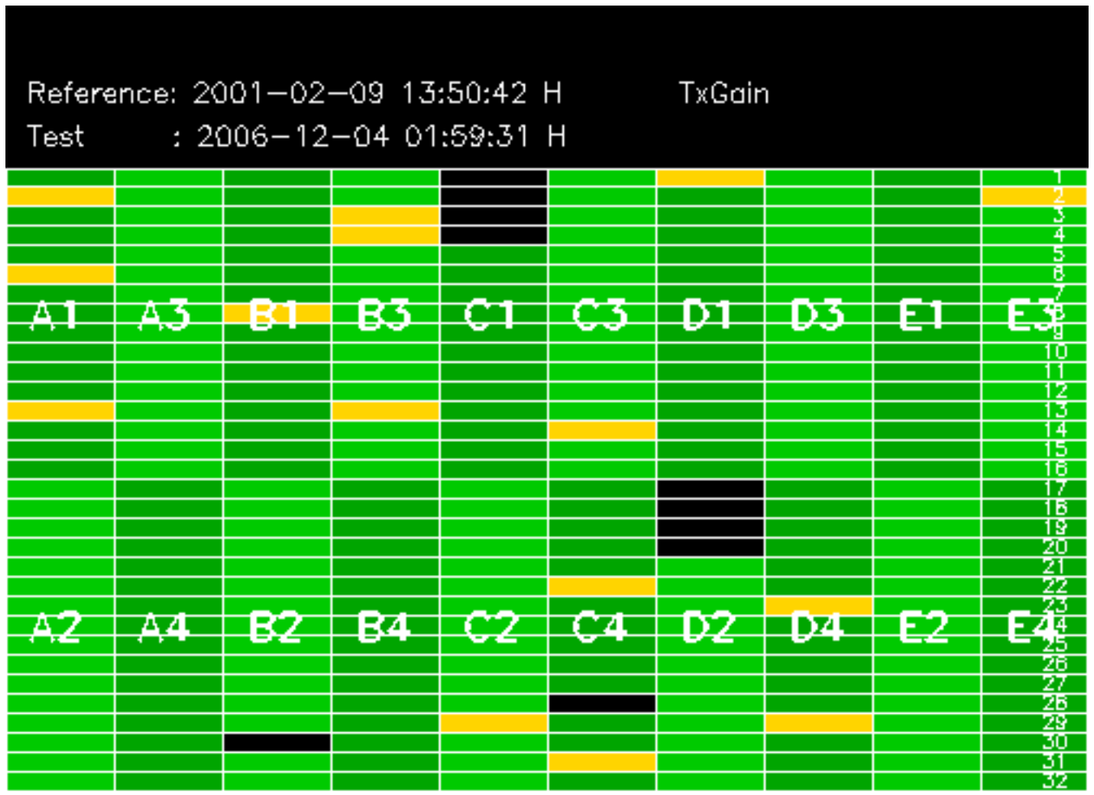

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
30−Nov
05−Dec

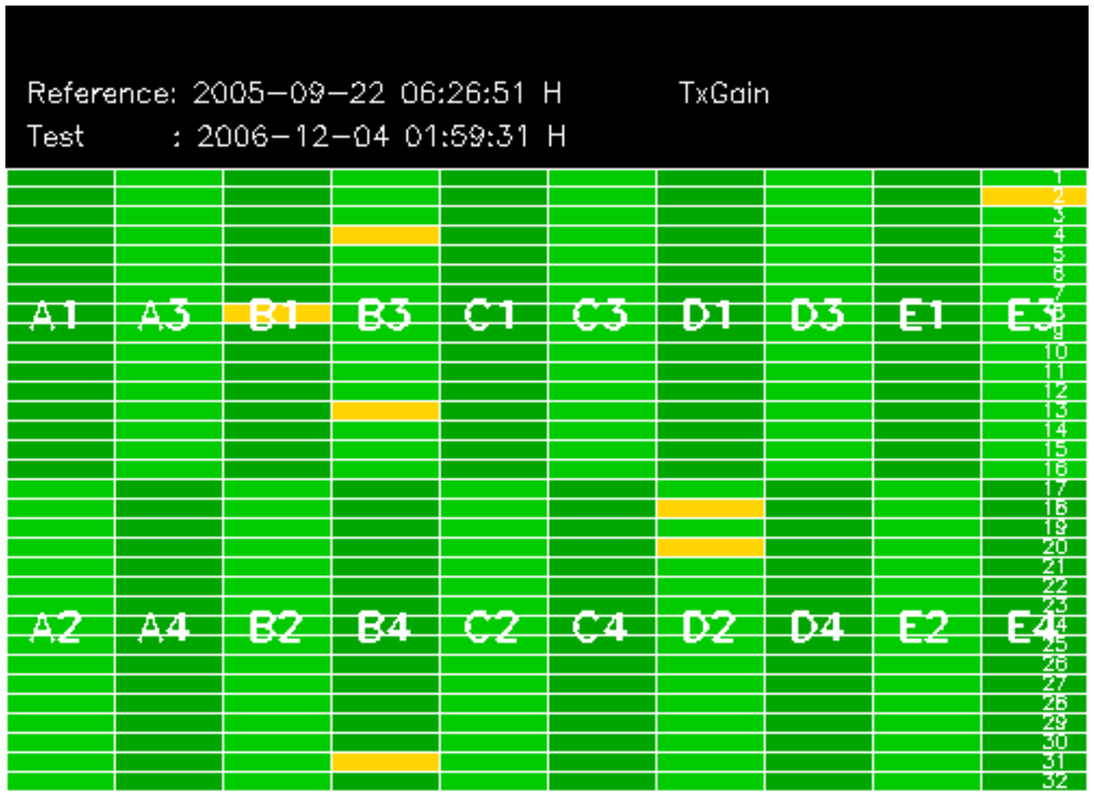

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
30−Nov
05−Dec


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
05–Nov
10–Nov
15–Nov
20–Nov
25–Nov
30–Nov
05–Dec


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
05–Nov
10–Nov
15–Nov
20–Nov
25–Nov
30–Nov
05–Dec


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-04 01:59:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-04 01:59:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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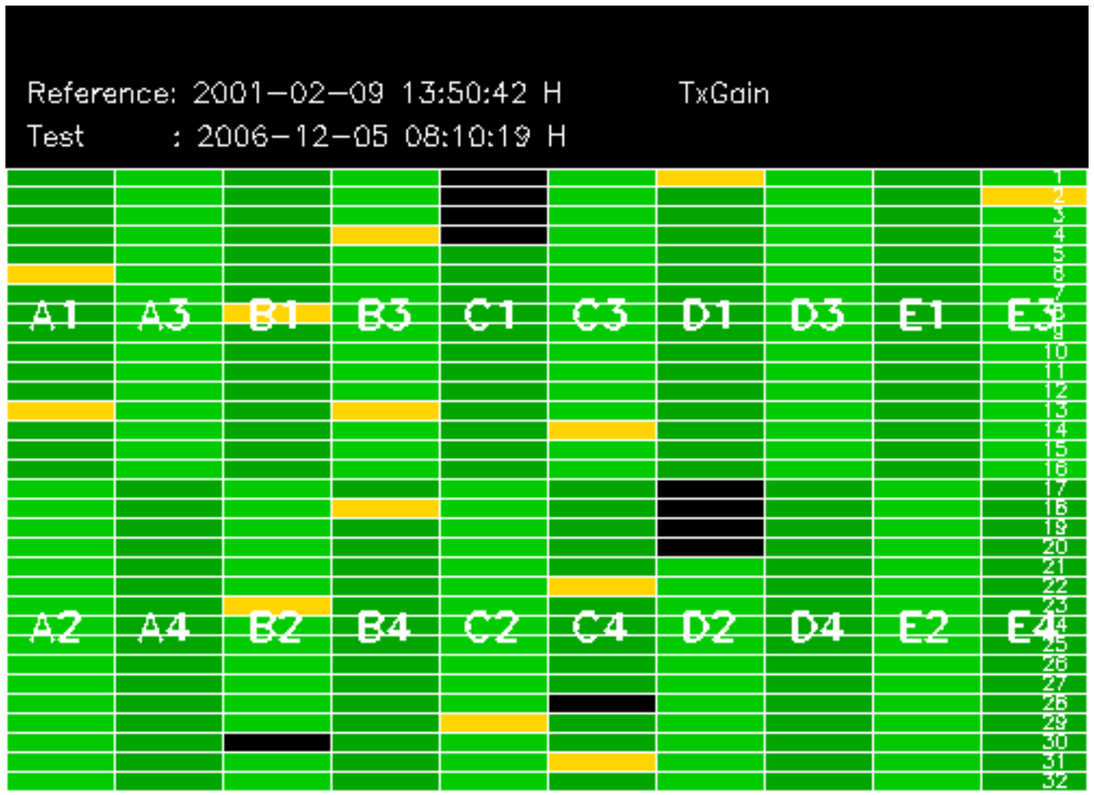
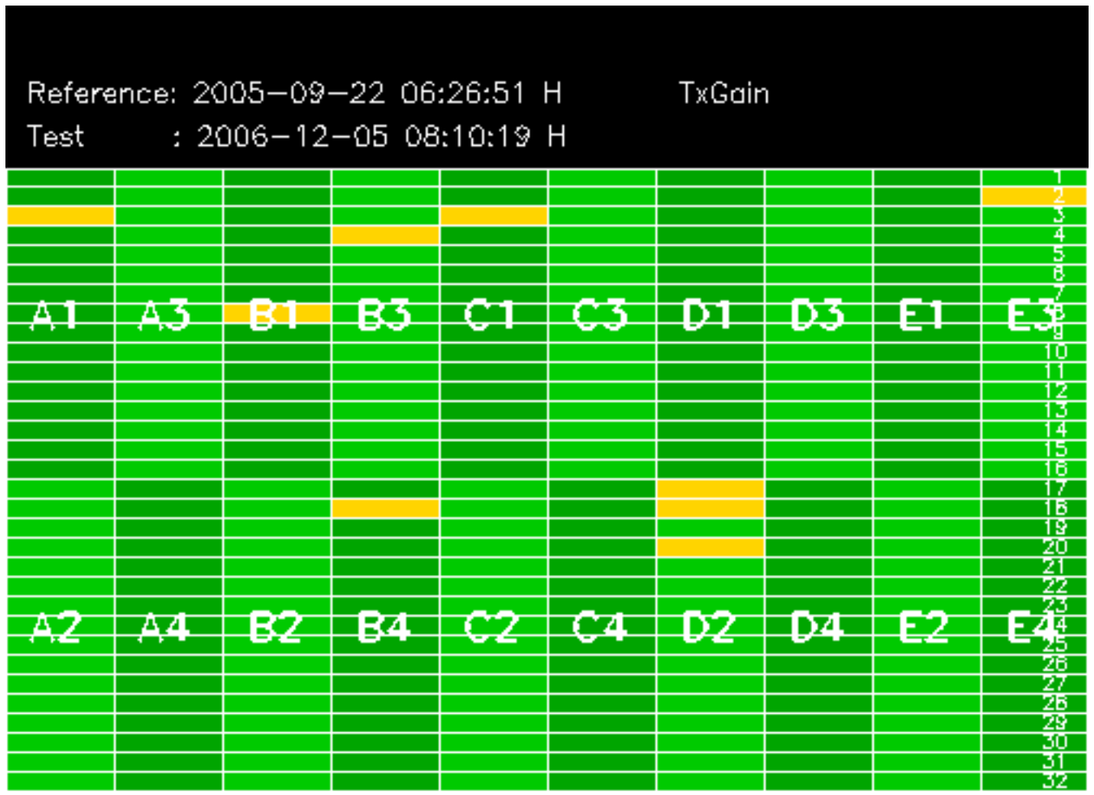

Reference: 2001-02-09 13:50:42 H
Test : 2006-12-05 08:10:19 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-05 08:10:19 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
E2
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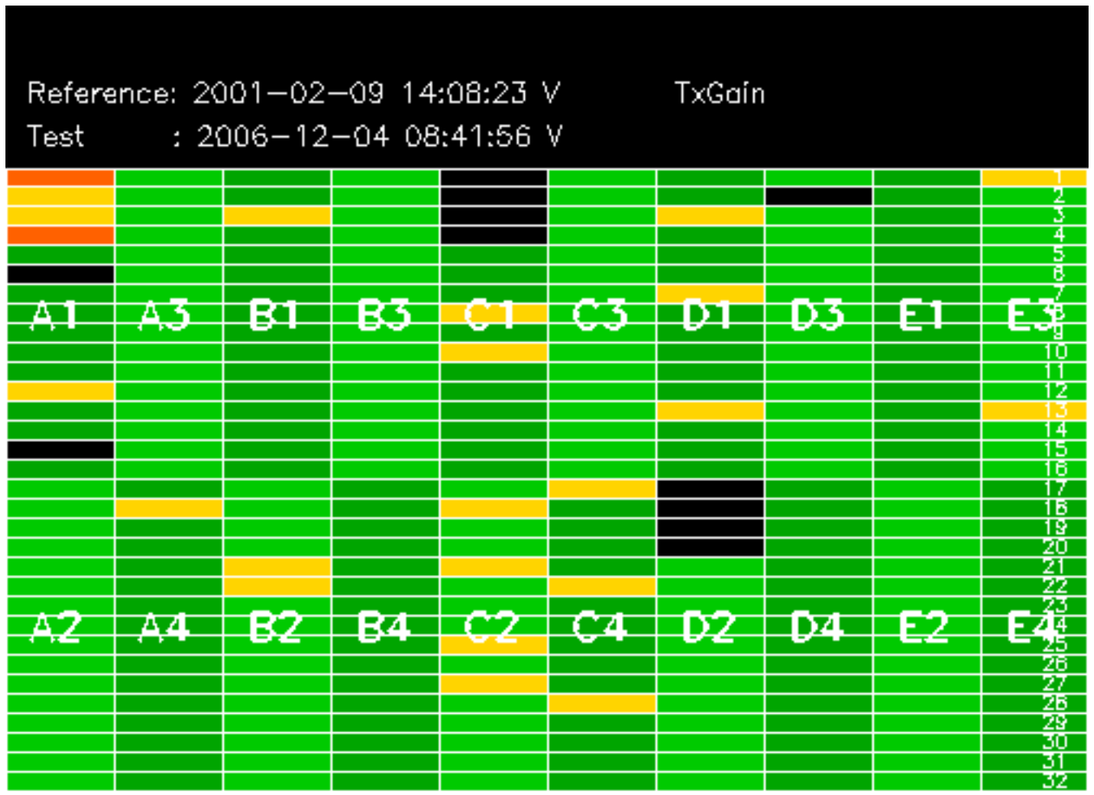
Reference: 2001-02-09 14:08:23 V
Test : 2006-12-04 08:41:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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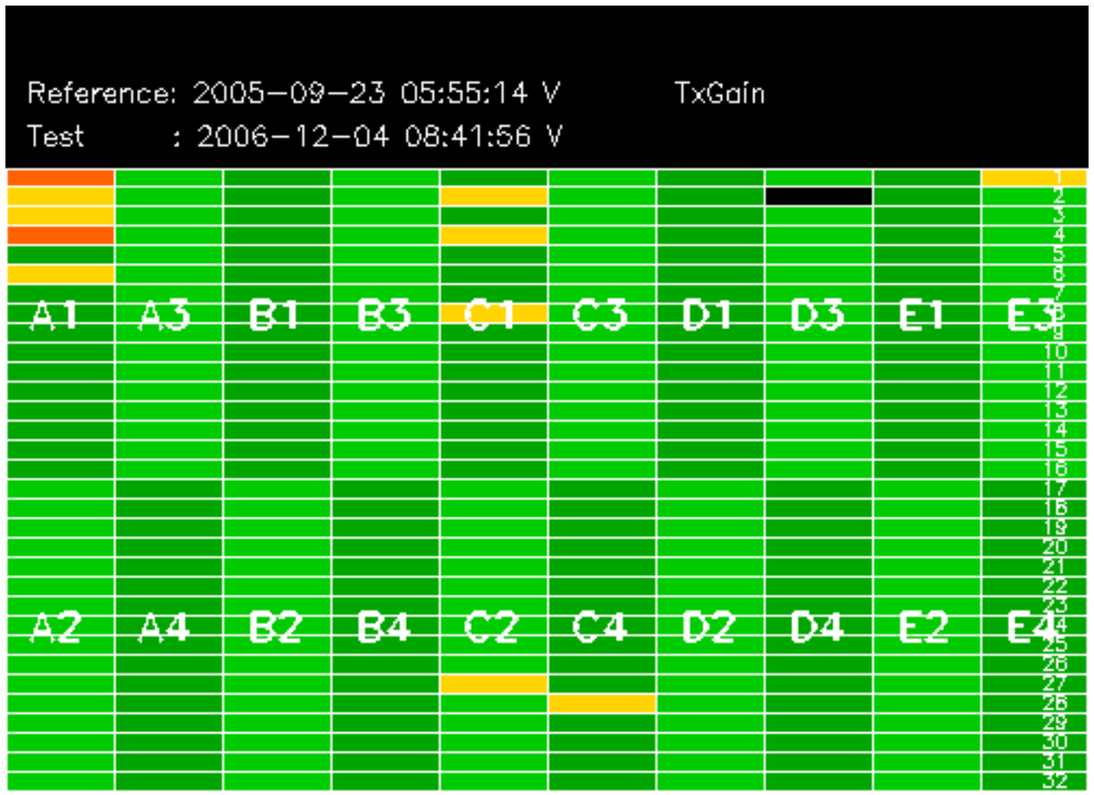
Reference: 2005-09-23 05:55:14 V
Test : 2006-12-04 08:41:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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Summary of analysis for the last 3 days 2006120[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines 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_1PNPDK20061204_093242_000007732053_00294_24897_9683.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061204_174633_000006342053_00299_24902_9712.N1 </td> <td>0 </td> <td>26 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6506.N1 </td> <td>0 </td> <td>34 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_6579.N1 </td> <td>0 </td> <td>34 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20061203_003118_000001832053_00274_24877_7194.N1 </td> <td>0 </td> <td>34 </td></tr>
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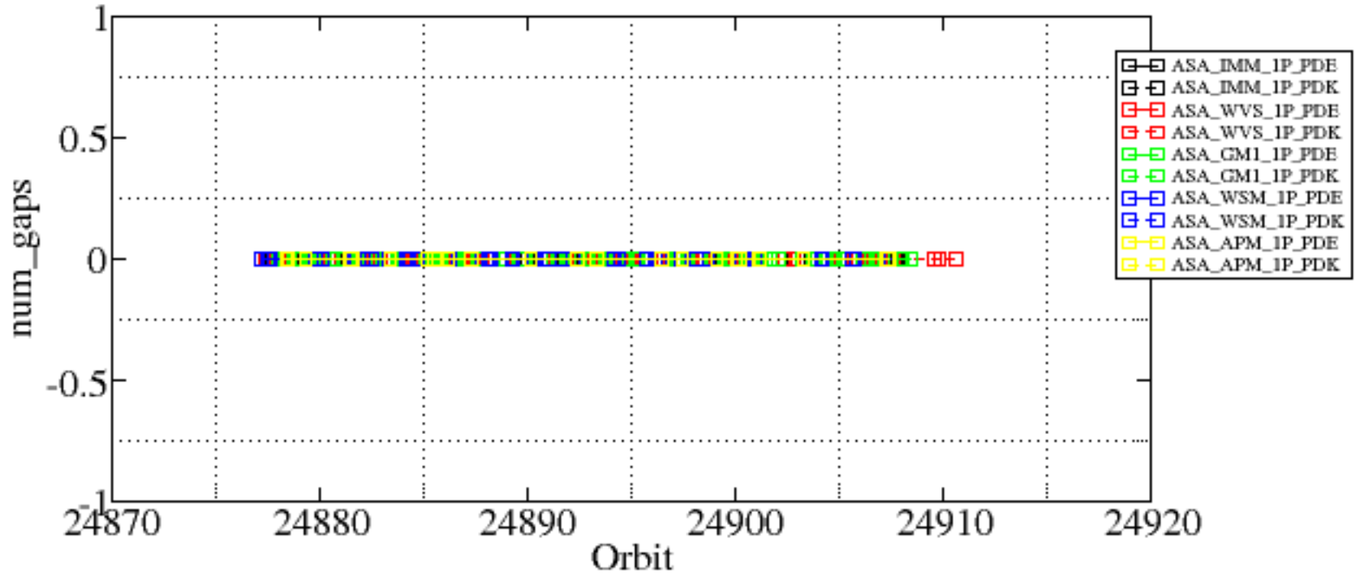
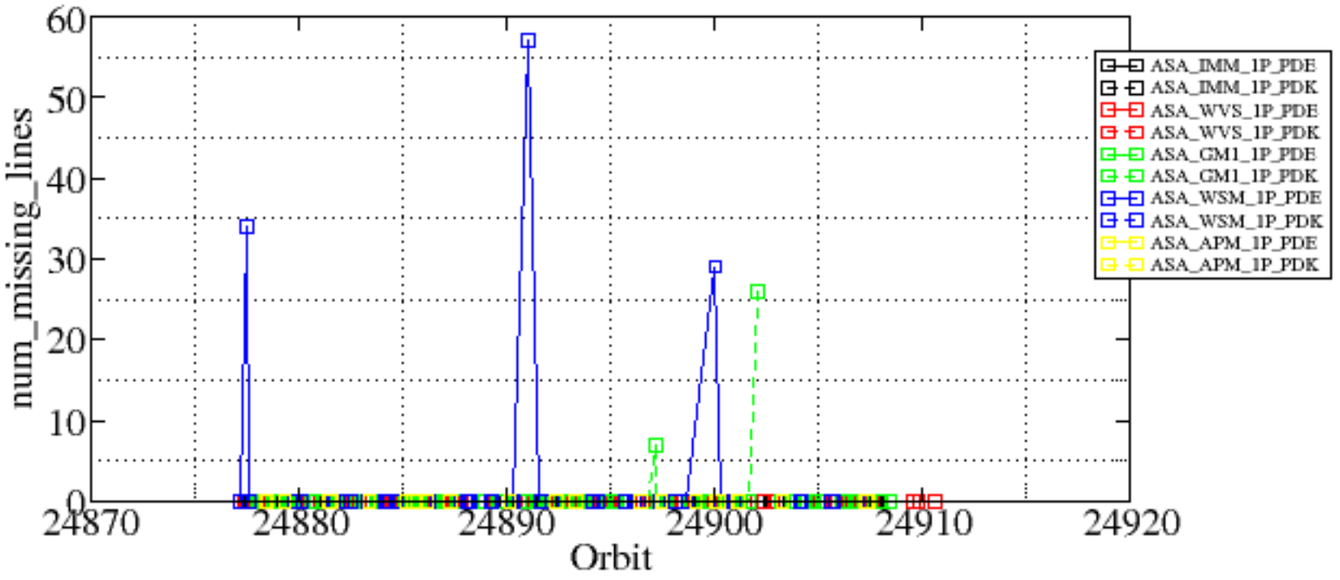
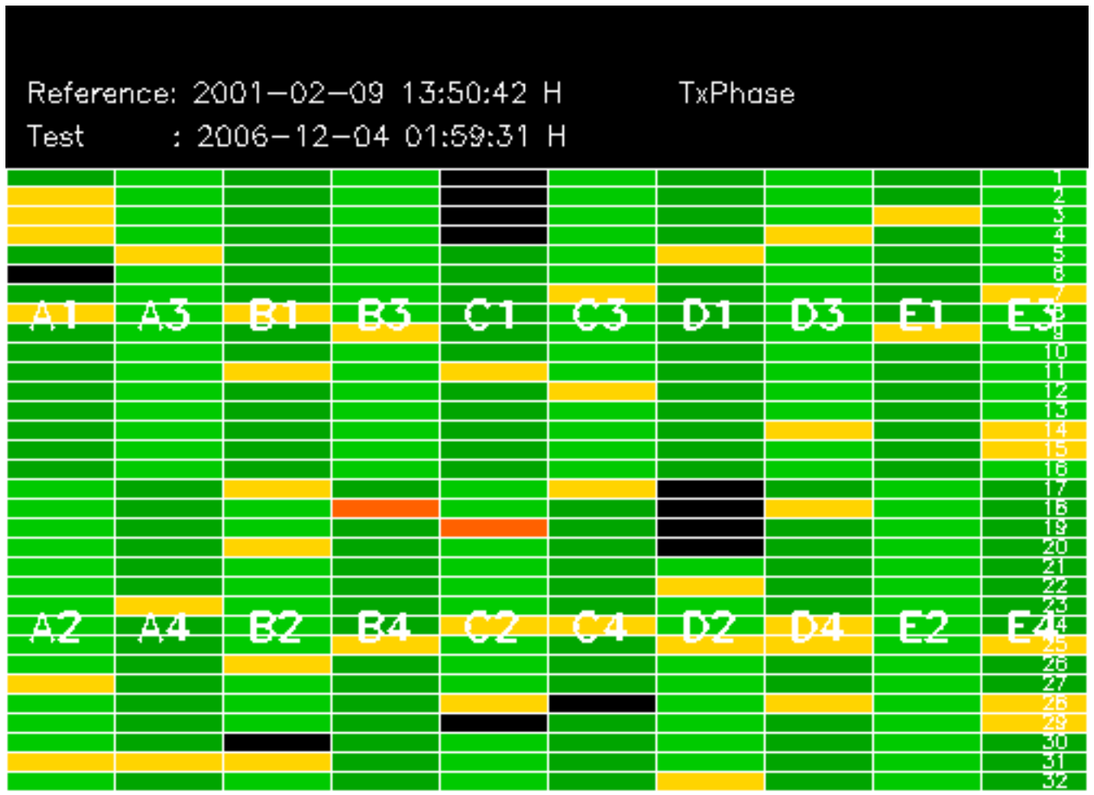

num_gaps
1
0.5
0
-0.5
-1
24870
24880
24890
24900
24910
24920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
60
50
40
30
20
10
0
24870
24880
24890
24900
24910
24920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-12-04 01:59:31 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
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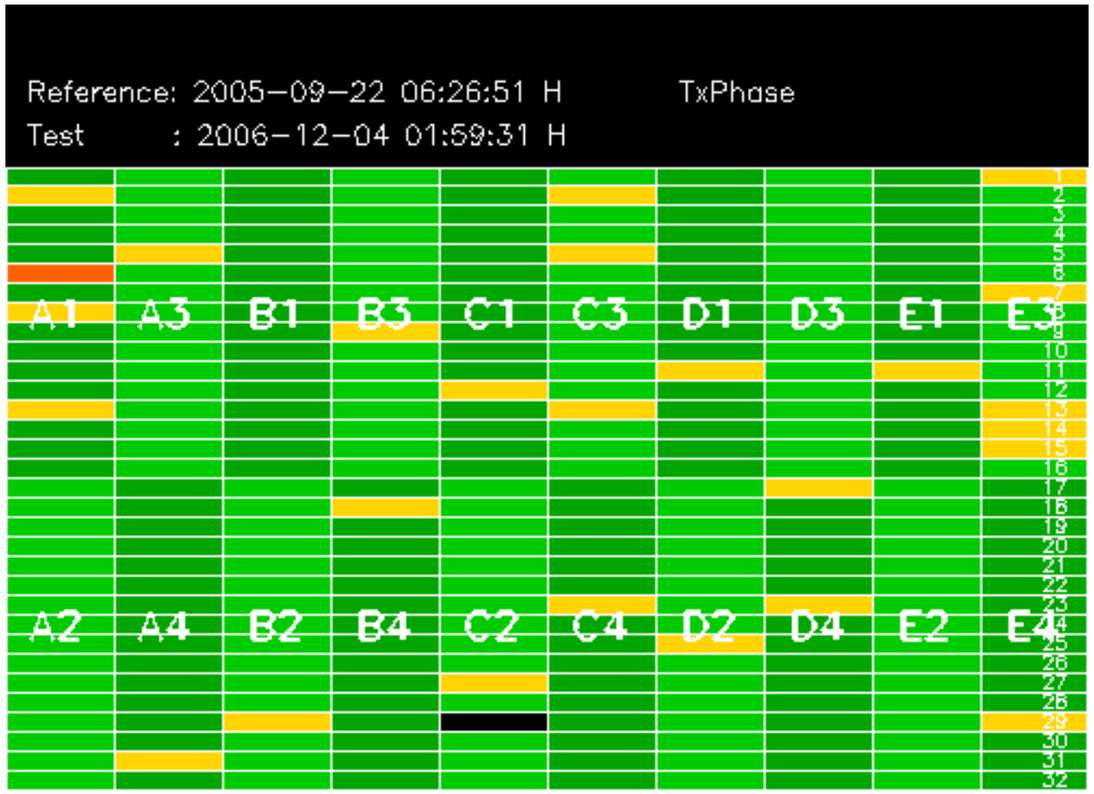
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-04 01:59:31 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
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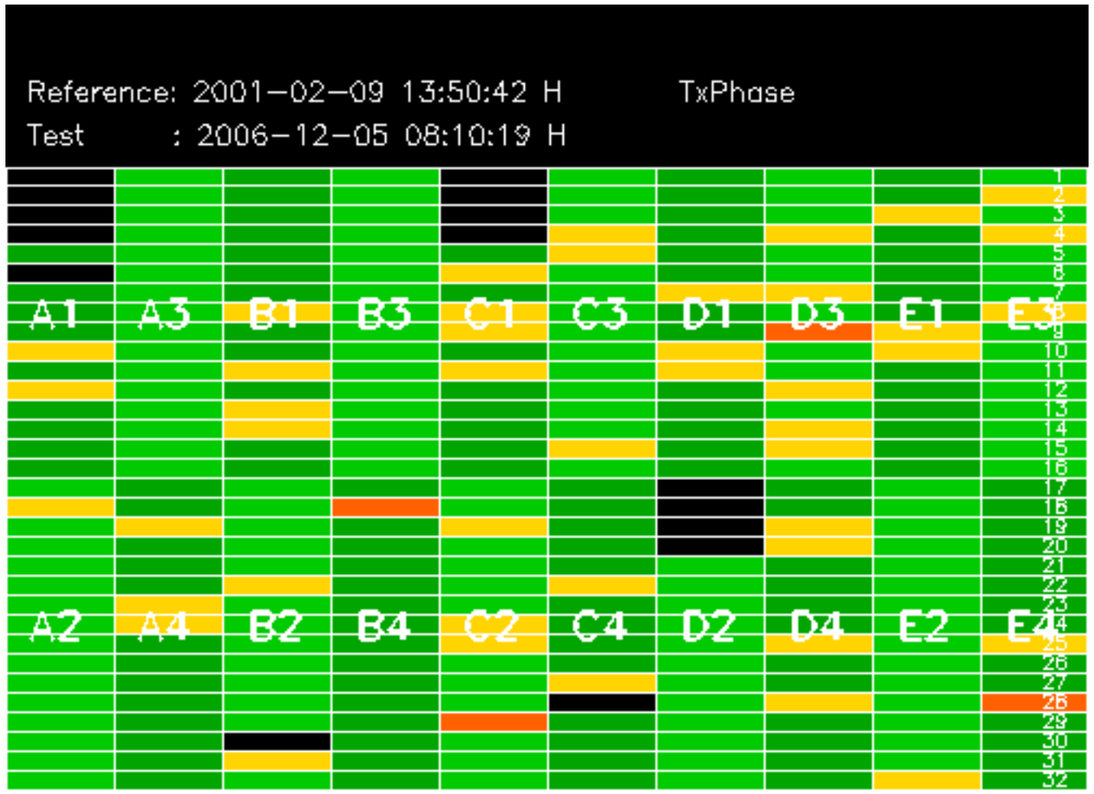
29
30
31
32


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-05 08:10:19 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
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21
22
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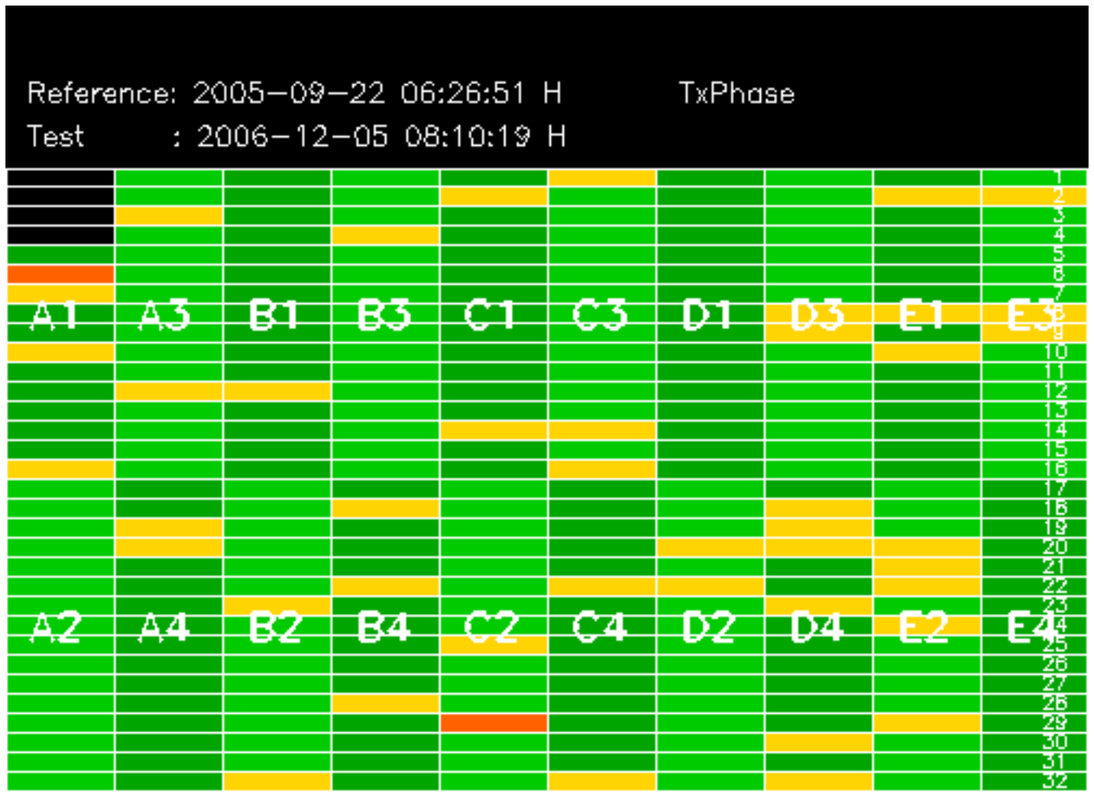
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-05 08:10:19 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
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14
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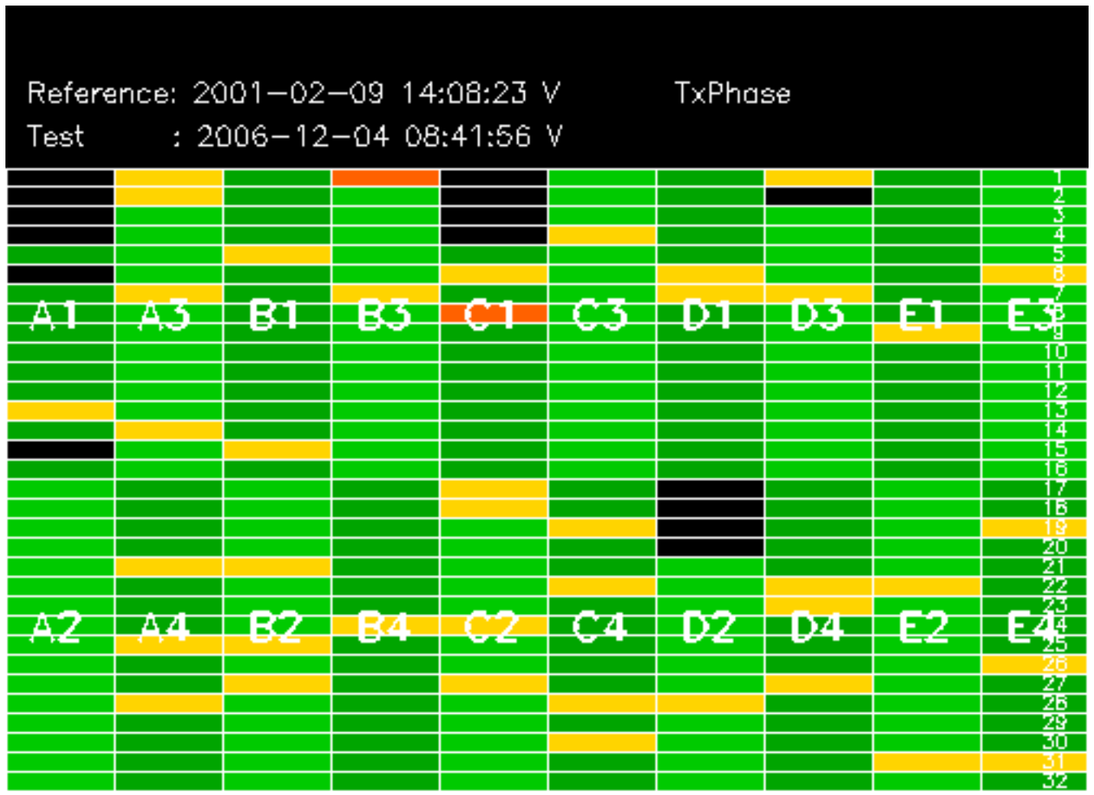
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-12-04 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
1
2
3
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8
9
10
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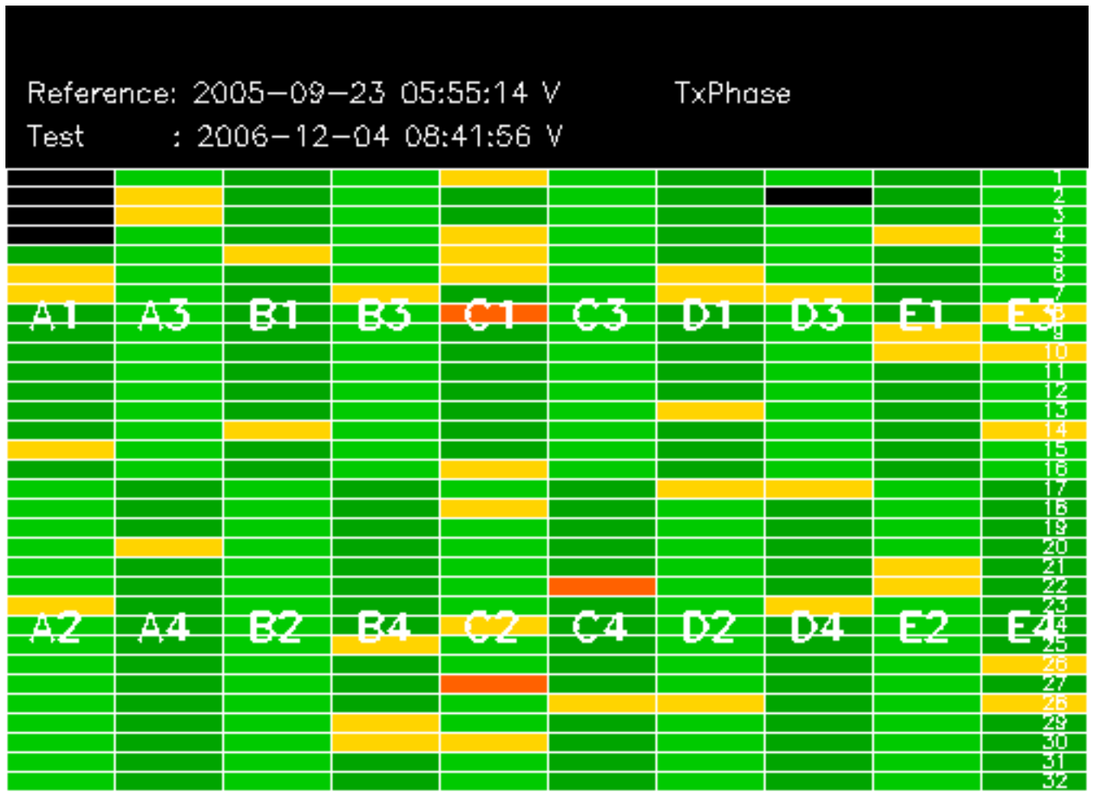
32


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-04 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
1
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9
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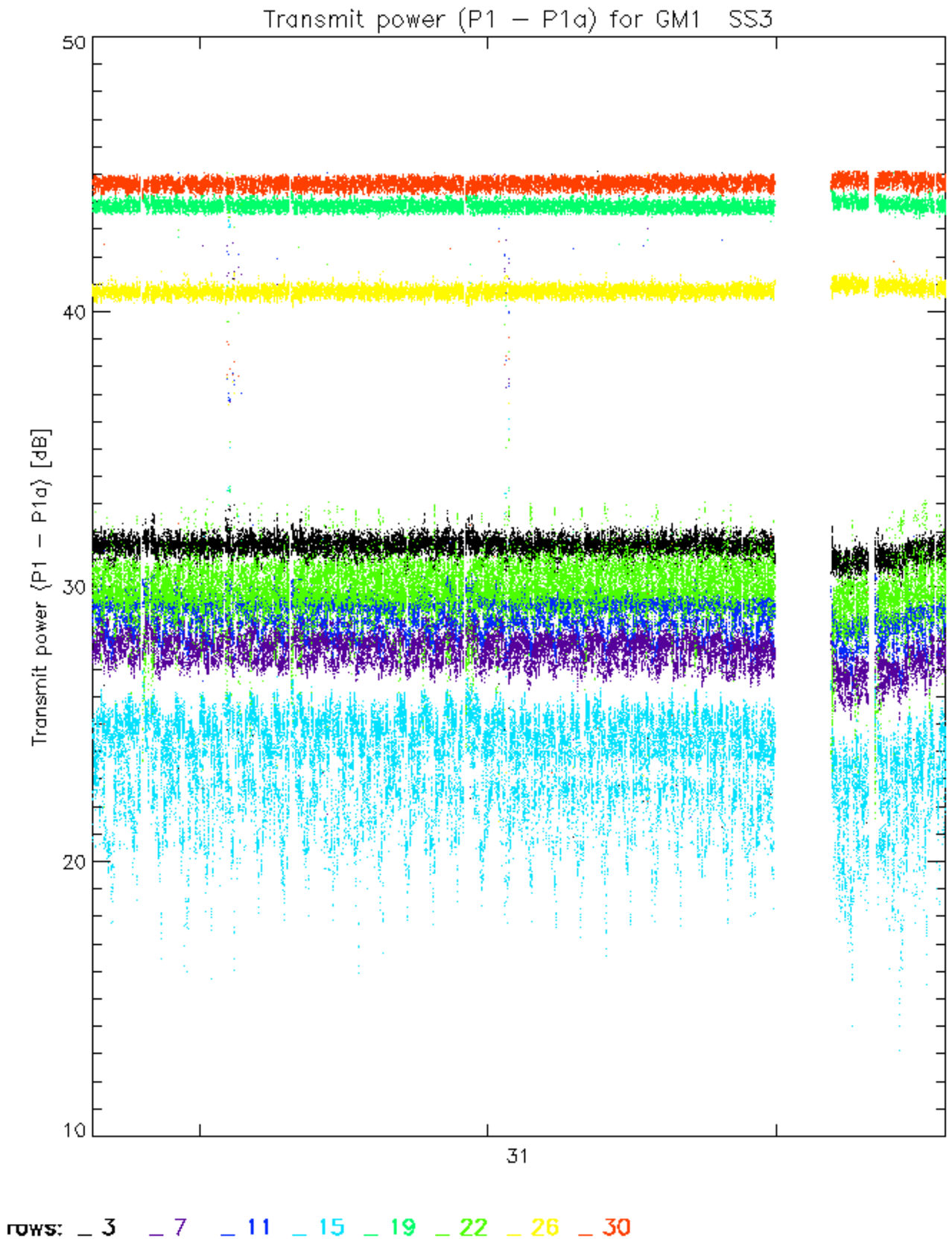
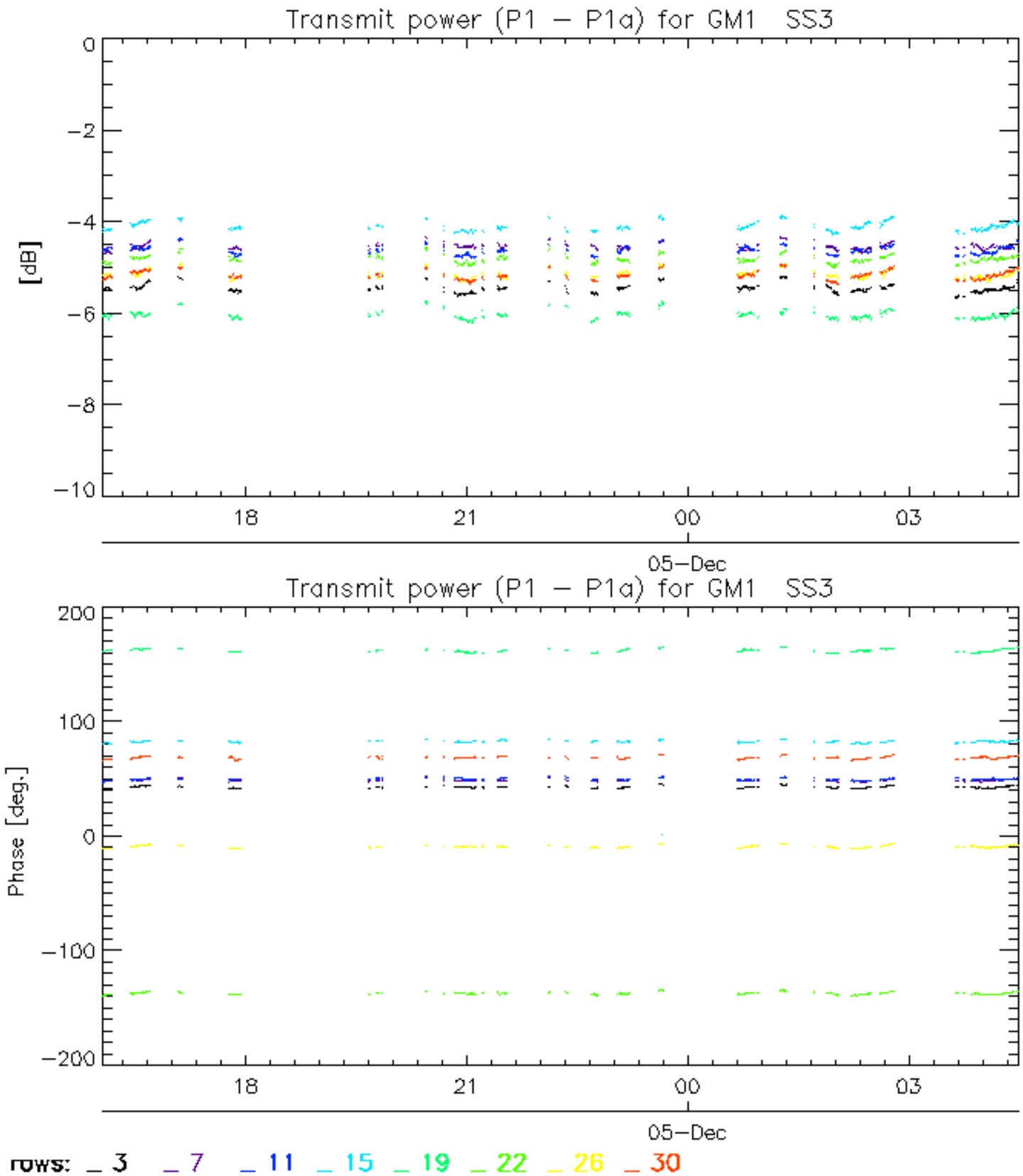
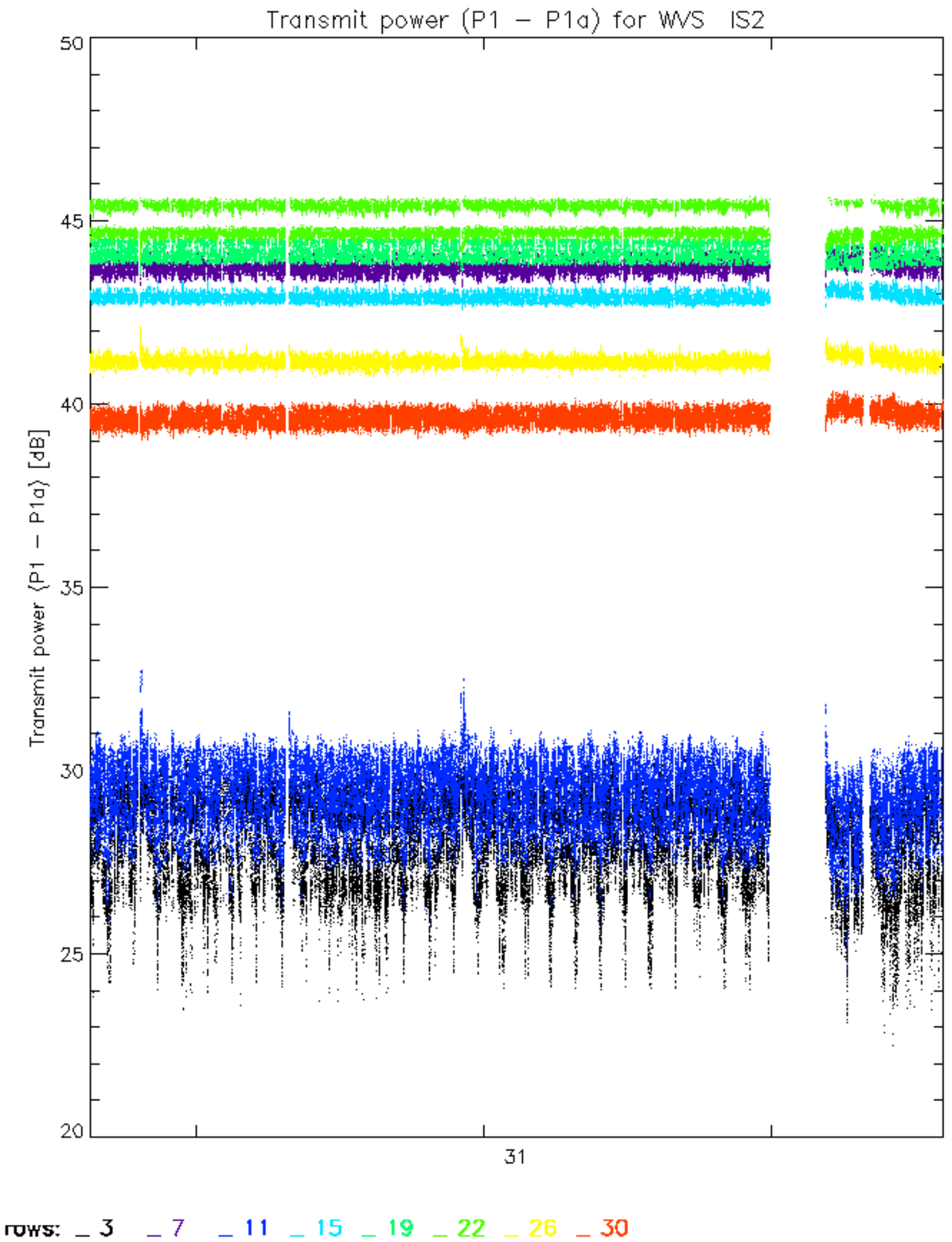
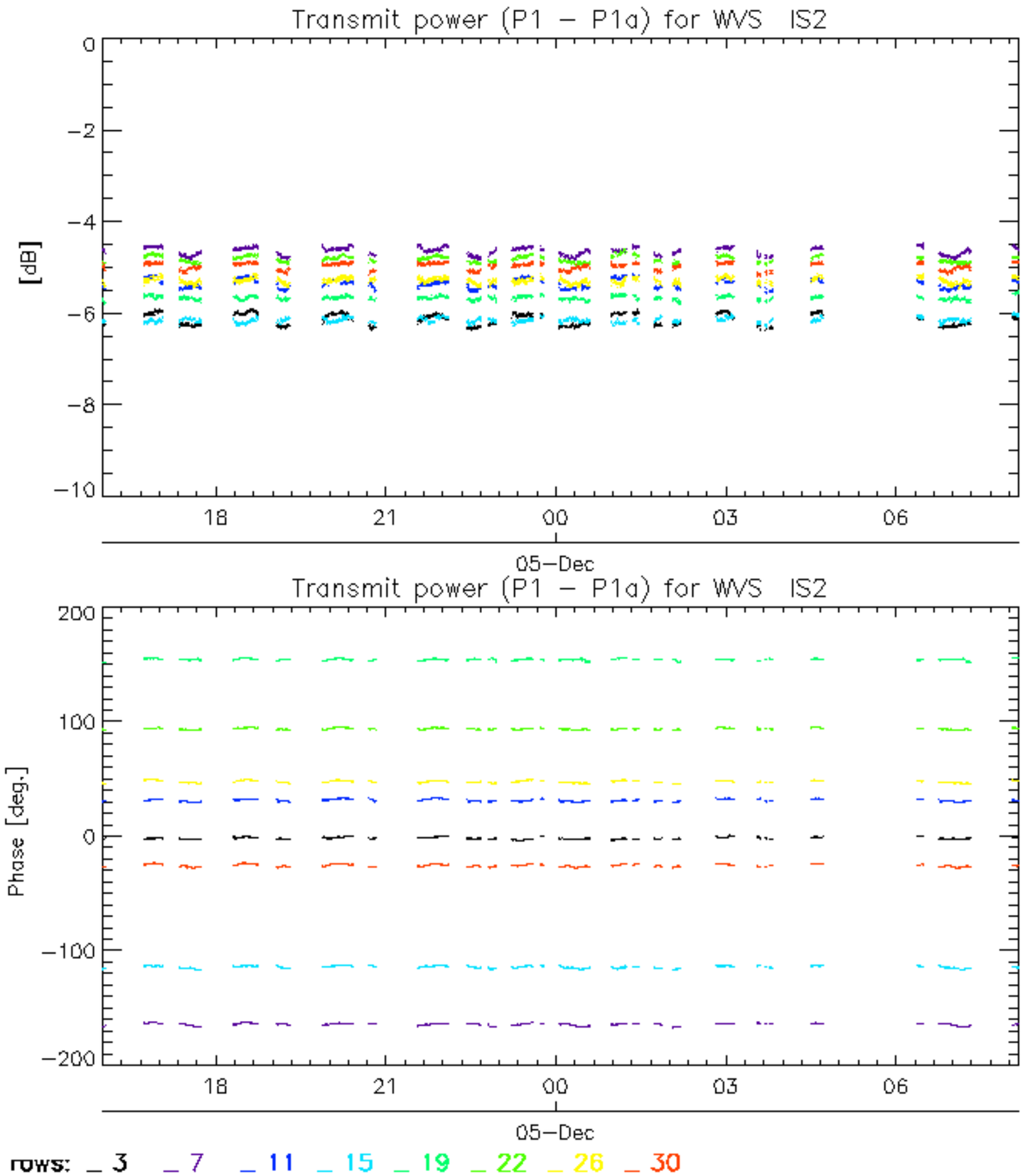

Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
31
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
05–Dec
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
05–Dec
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
31
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
05–Dec
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
05–Dec
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.