PRELIMINARY REPORT OF 050412

last update on Tue Apr 12 10:50:01 GMT 2005

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 2005-04-11 00:00:00 to 2005-04-12 10:50:01

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

ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	28	44	5	4	3
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	28	44	5	4	3
ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000	28	44	5	4	3
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	28	44	5	4	3

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	22	34	6	12	7
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	22	34	6	12	7
ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000	22	34	6	12	7
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	22	34	6	12	7

2.3 - Browse Visual Inspection

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20050411 054053
H	20050410 061230

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	-3.344980	0.013546	-0.003442
7	P1	-3.113820	0.009013	-0.028148
11	P1	-4.674570	0.031150	-0.001854
15	P1	-5.625114	0.040838	0.033290
19	P1	-3.697448	0.003925	-0.024552
22	P1	-4.534854	0.011545	-0.048075
26	P1	-4.922224	0.019074	0.033744
30	P1	-7.191148	0.020870	0.009501
3	P1	-15.832080	0.334463	0.083880
7	P1	-15.535178	0.078397	-0.023047
11	P1	-21.052345	0.457232	-0.277841
15	P1	-11.550765	0.052985	0.082789
19	P1	-14.314089	0.026501	-0.017780
22	P1	-15.715774	0.311099	-0.215861
26	P1	-17.634291	0.184279	-0.050658
30	P1	-17.946505	0.402291	0.075321

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.056410	0.081368	0.046111
7	P2	-22.234936	0.094969	0.072490
11	P2	-14.278834	0.109730	0.193322
15	P2	-7.050319	0.090780	-0.031457
19	P2	-9.637763	0.093455	-0.026217
22	P2	-16.890759	0.094704	0.036511
26	P2	-16.446720	0.092926	-0.028225
30	P2	-18.831322	0.085055	0.010517

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.164979	0.004671	-0.007834
7	P3	-8.164979	0.004671	-0.007834
11	P3	-8.164979	0.004671	-0.007834
15	P3	-8.164979	0.004671	-0.007834
19	P3	-8.164979	0.004671	-0.007834
22	P3	-8.164979	0.004671	-0.007834
26	P3	-8.164979	0.004671	-0.007834
30	P3	-8.164979	0.004671	-0.007834

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	-2.717664	0.026188	-0.047140
7	P1	-3.014541	0.046824	0.022783
11	P1	-3.983496	0.026955	-0.014146
15	P1	-3.549817	0.035449	-0.017263
19	P1	-3.606936	0.013826	-0.029204
22	P1	-5.723633	0.039205	0.034270
26	P1	-7.297622	0.026248	-0.024371
30	P1	-6.257876	0.057504	-0.090634
3	P1	-10.708216	0.166478	-0.058051
7	P1	-10.341965	0.176043	0.003328
11	P1	-12.534972	0.137368	-0.055122
15	P1	-11.720566	0.102010	0.001984
19	P1	-15.579763	0.049624	-0.065528
22	P1	-24.704159	1.396821	-0.345790
26	P1	-15.522742	0.220479	-0.076400
30	P1	-20.161770	1.219508	0.218727

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.755859	0.038917	0.045293
7	P2	-22.317314	0.044007	0.050510
11	P2	-10.100665	0.058243	0.068049
15	P2	-5.003484	0.030927	-0.071477
19	P2	-6.844345	0.046202	-0.056246
22	P2	-7.078739	0.037638	-0.009064
26	P2	-23.856796	0.035529	-0.041330
30	P2	-21.894463	0.040959	-0.028662

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-7.999634	0.003379	-0.015150
7	P3	-7.999738	0.003375	-0.015015
11	P3	-7.999674	0.003379	-0.015182
15	P3	-7.999599	0.003374	-0.015036
19	P3	-7.999734	0.003387	-0.015512
22	P3	-7.999721	0.003371	-0.015146
26	P3	-7.999698	0.003375	-0.015266
30	P3	-7.999638	0.003382	-0.015568

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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4.3.2 - Evolution for GM1

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000468243
	stdev	2.21835e-07
MEAN Q	mean	0.000482576
	stdev	2.35036e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.128929
	stdev	0.00105242
STDEV Q	mean	0.129190
	stdev	0.00106414

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005041[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_WVS_1PNPDE20050410_231921_000000002036_00187_16273_8167.N1	1	0
ASA_WVS_1PNPDE20050412_020541_000002702036_00203_16289_8174.N1	0	16
ASA_GM1_1PNPDE20050411_201027_000001142036_00200_16286_5106.N1	0	28
ASA_GM1_1PNPDE20050411_211942_000003922036_00201_16287_5118.N1	0	24
ASA_GM1_1PNPDE20050411_213733_000006942036_00201_16287_5115.N1	0	22
ASA_GM1_1PNPDE20050411_230143_000003022036_00202_16288_5137.N1	0	6
ASA_GM1_1PNPDE20050411_235428_000003982036_00202_16288_5136.N1	0	6
ASA_GM1_1PNPDE20050412_013637_000001632036_00203_16289_5147.N1	0	37
ASA_GM1_1PNPDE20050412_021543_000005072036_00203_16289_5155.N1	0	159

ASA_GM1_1PNPDE20050412_023446_000000962036_00204_16290_5164.N1	0	22
ASA_GM1_1PNPDE20050412_023911_000001632036_00204_16290_5161.N1	0	45
ASA_GM1_1PNPDE20050412_024313_000006282036_00204_16290_5153.N1	0	93
ASA_GM1_1PNPDE20050412_025758_000002412036_00204_16290_5160.N1	0	86
ASA_GM1_1PNPDE20050412_030611_000001382036_00204_16290_5162.N1	0	32
ASA_GM1_1PNPDK20050410_161611_000003442036_00183_16269_7778.N1	0	7
ASA_WSM_1PNPDE20050410_183358_000002732036_00185_16271_6237.N1	0	42

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

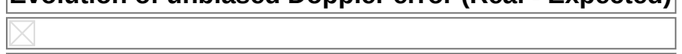
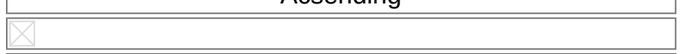
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

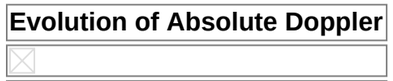
7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

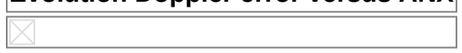
Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

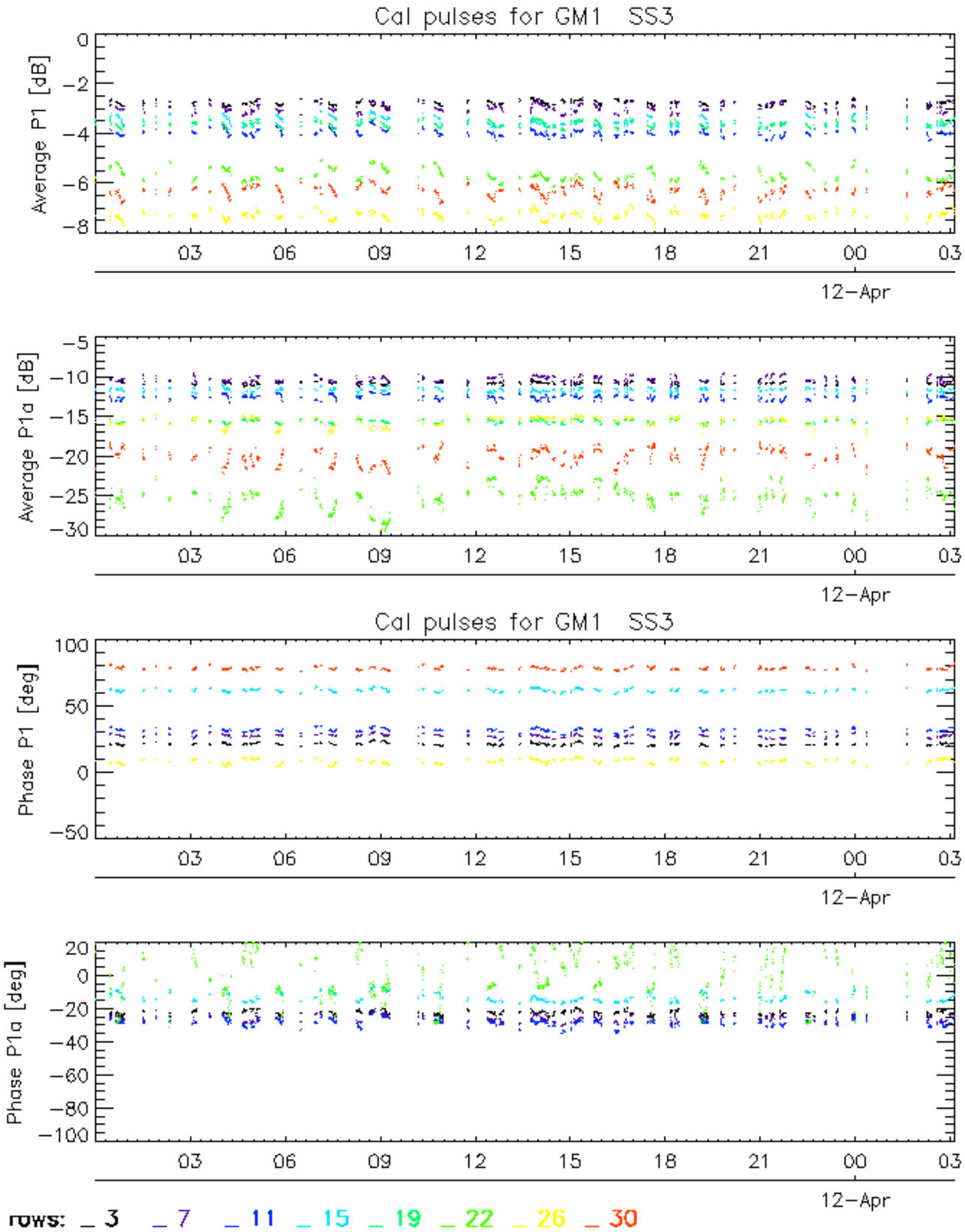
7.5 - Absolute Doppler for GM1

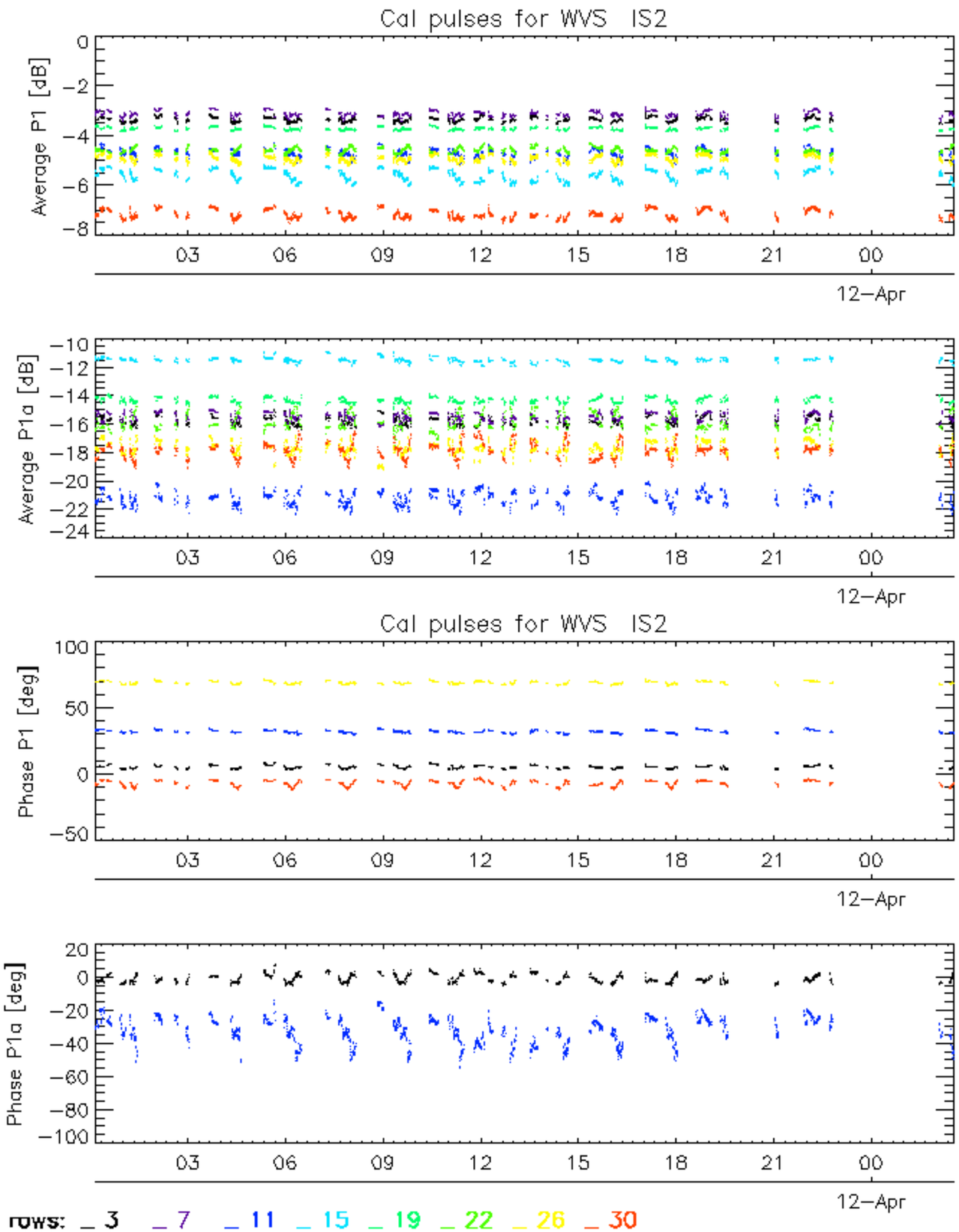
Evolution of Absolute Doppler

Acsending

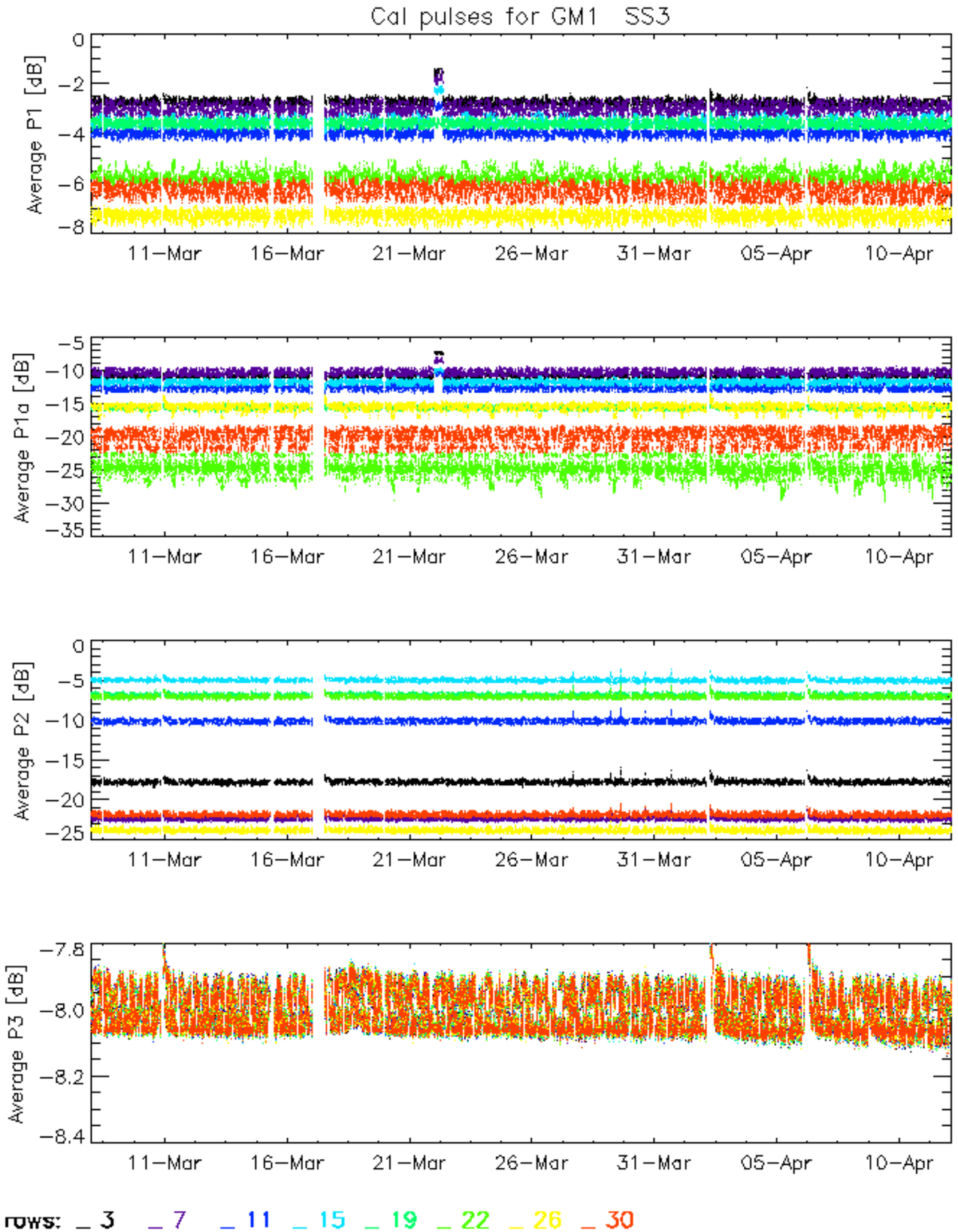
Descending

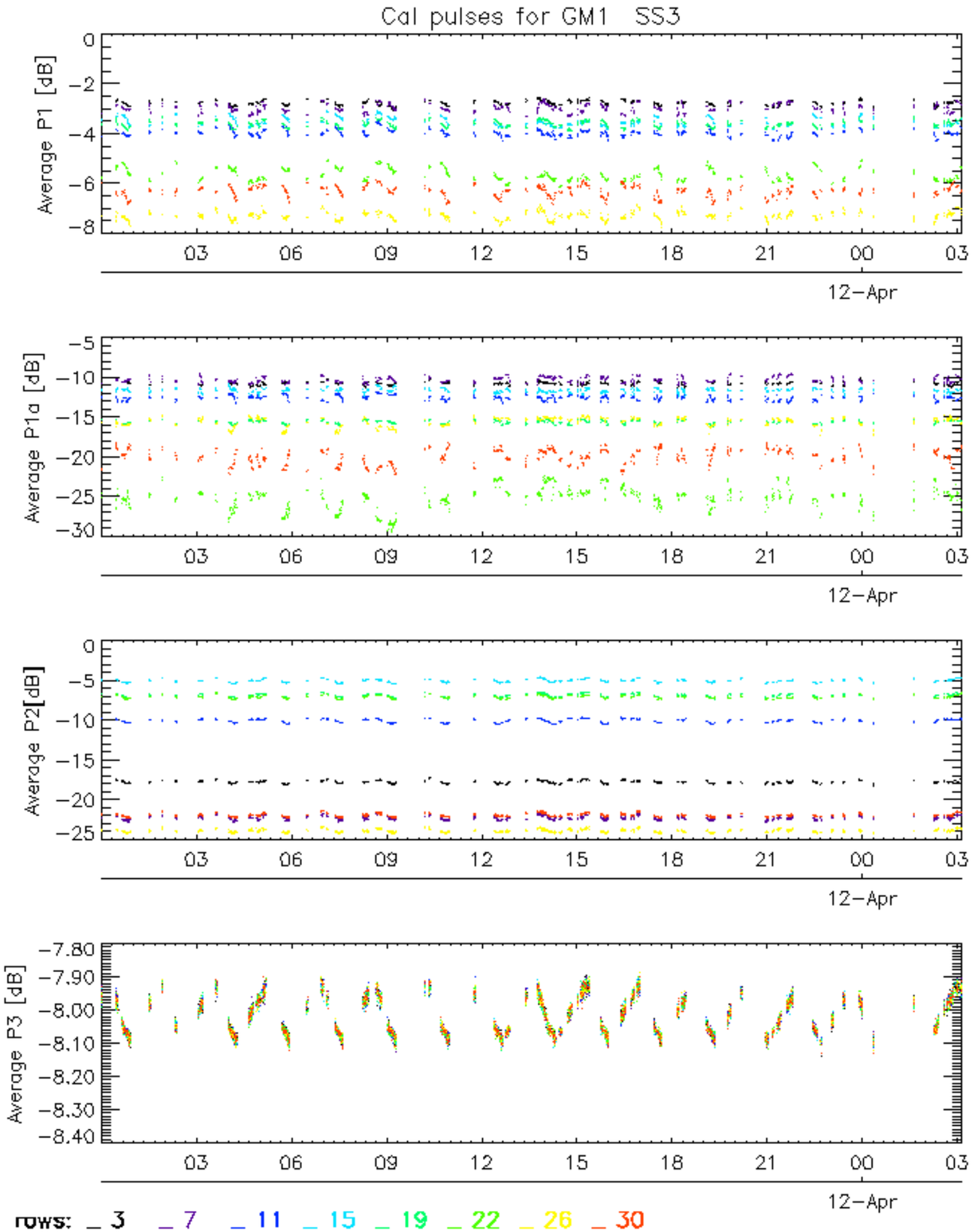
7.6 - Doppler evolution versus ANX for GM1

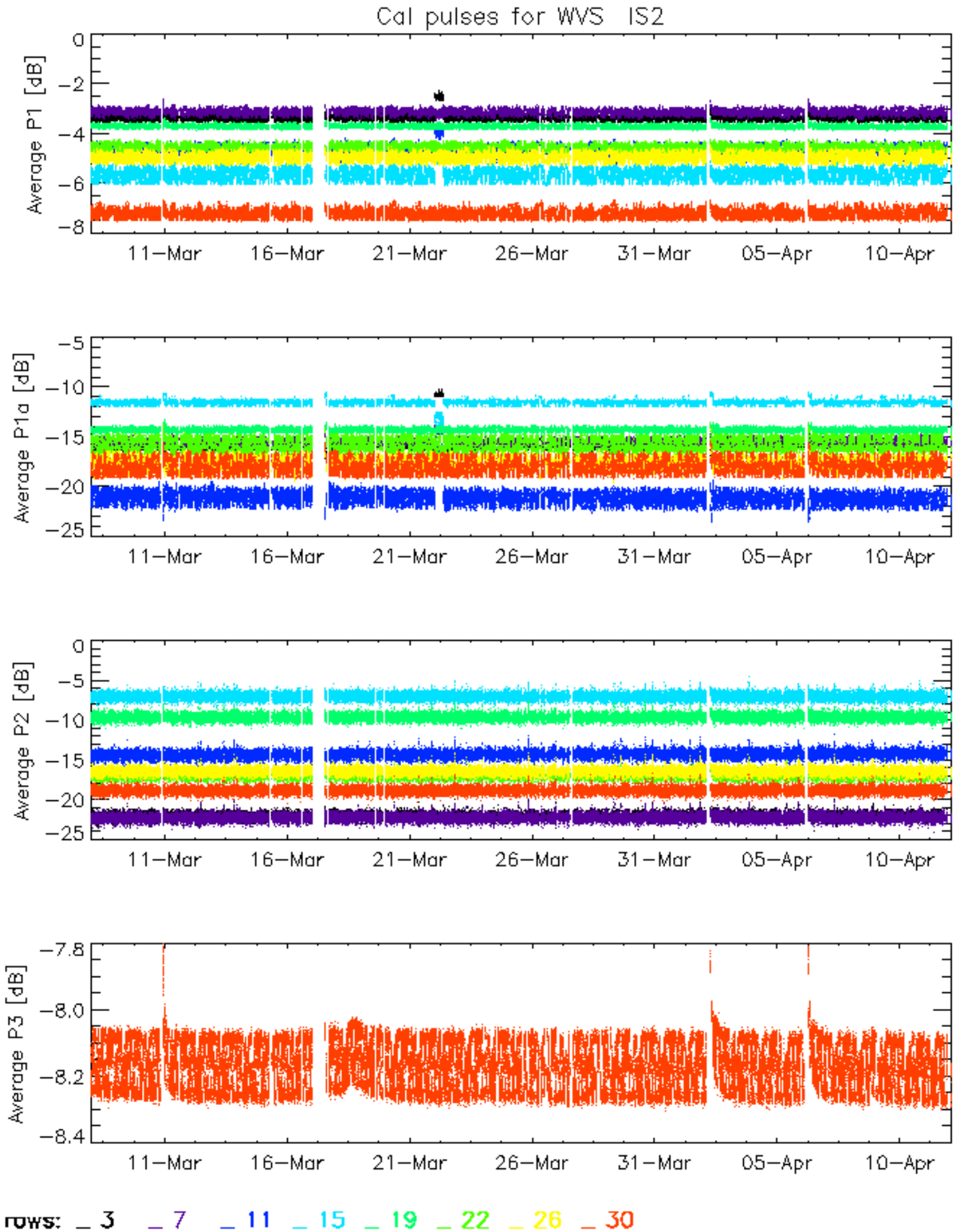
Evolution Doppler error versus ANX


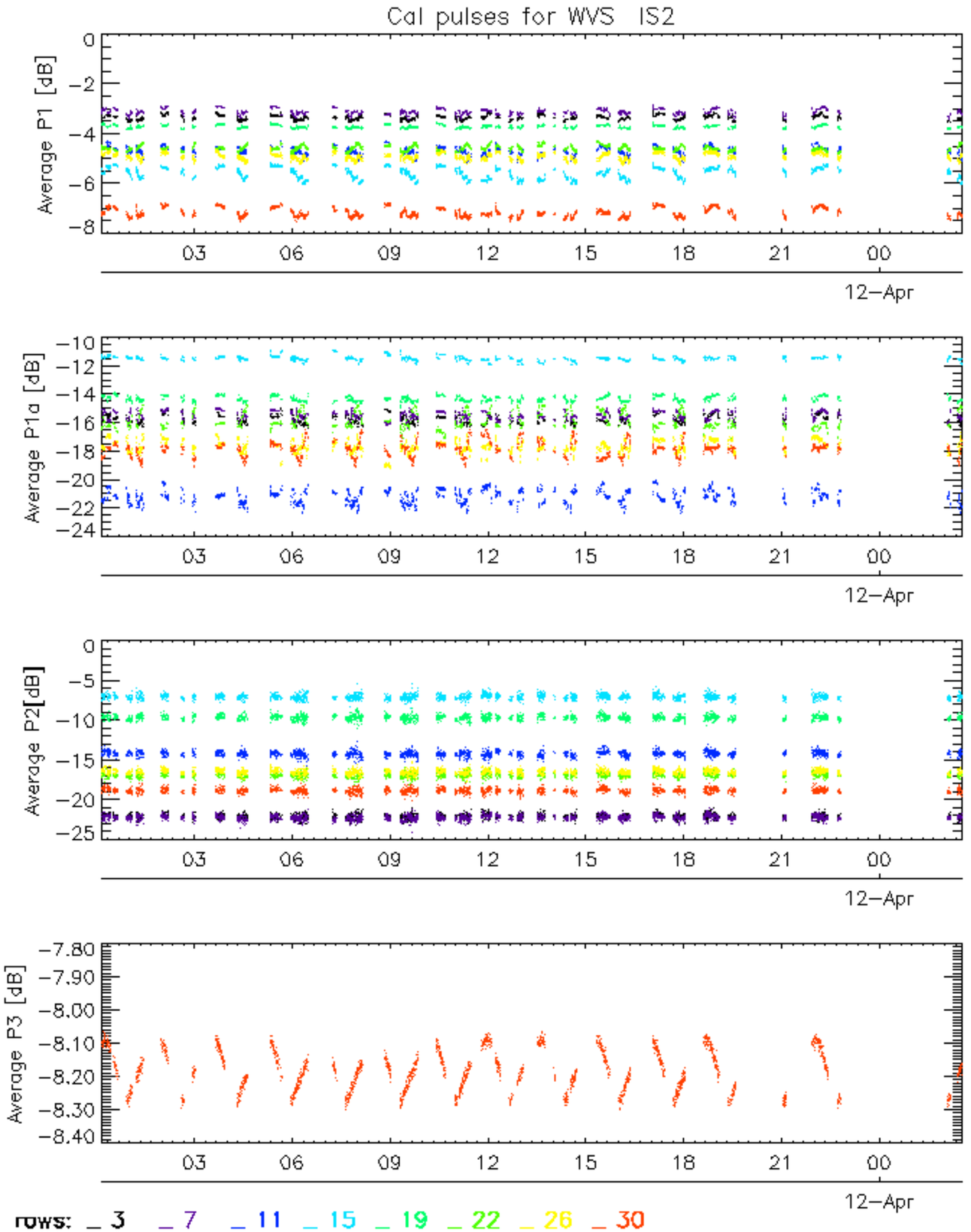

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
12−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Cal pulses for GM1 SS3
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
12−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
−24
Cal pulses for WVS IS2
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30

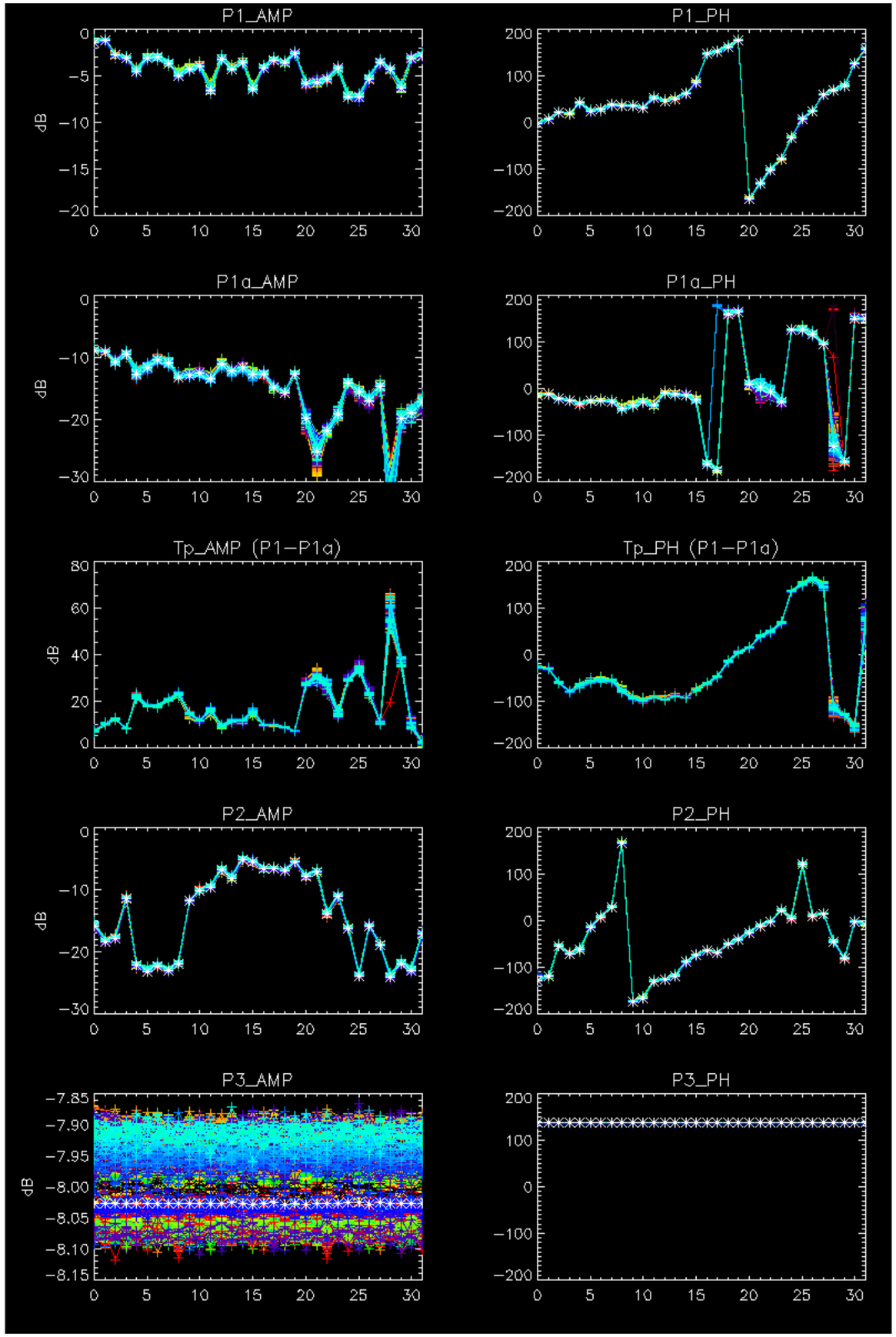

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

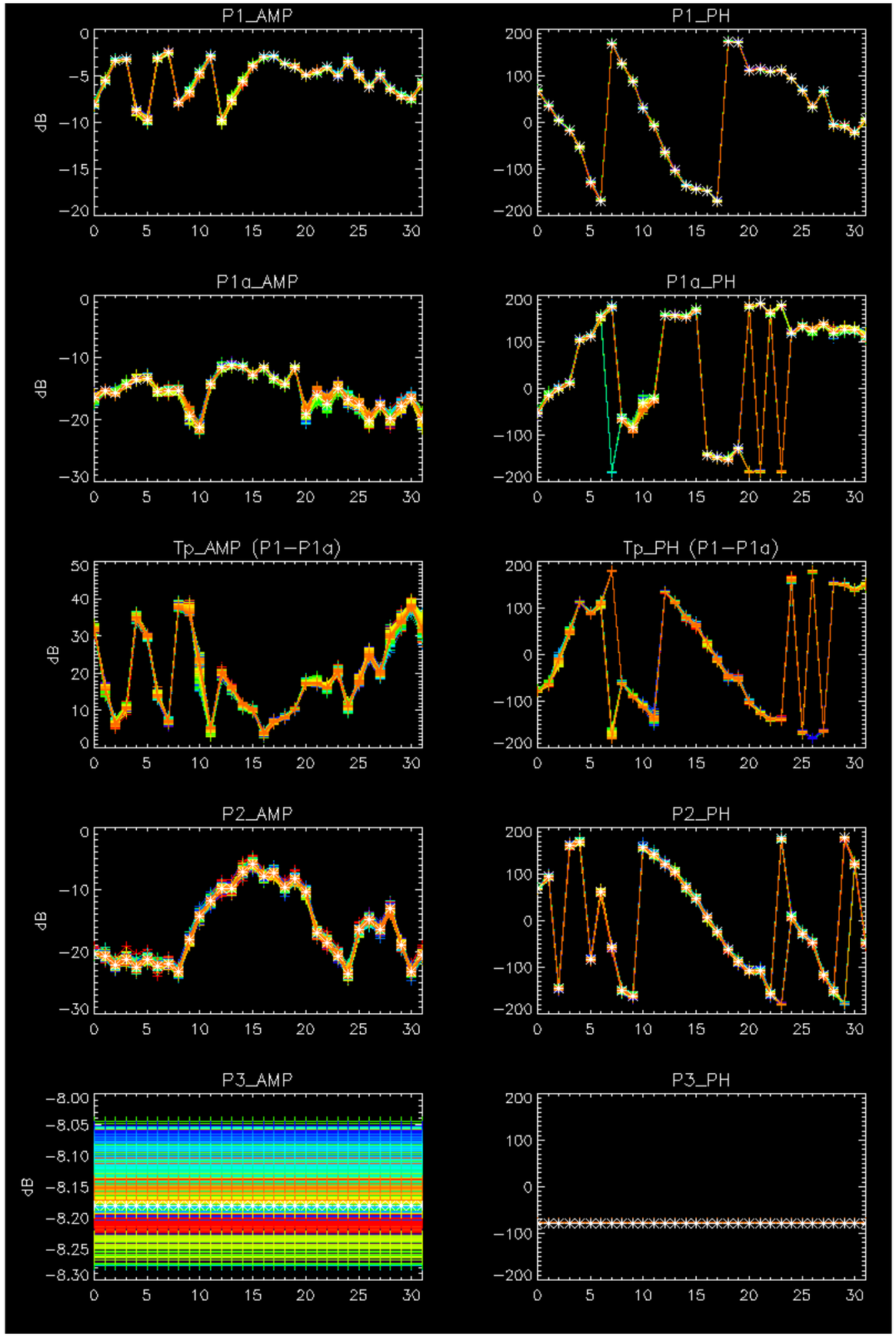

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
12−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr
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]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
12−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
−24
Average P2[dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

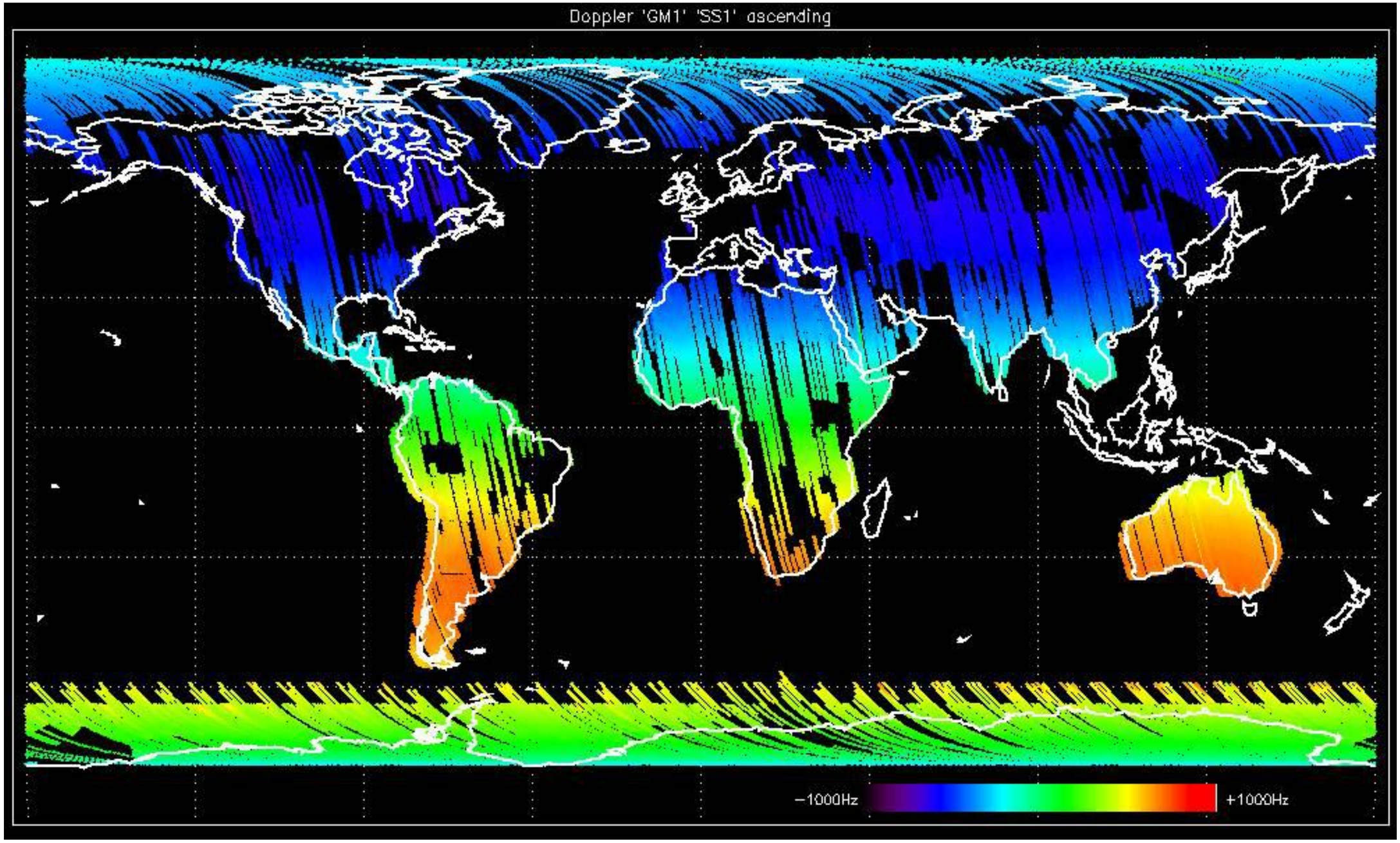
No anomalies observed.

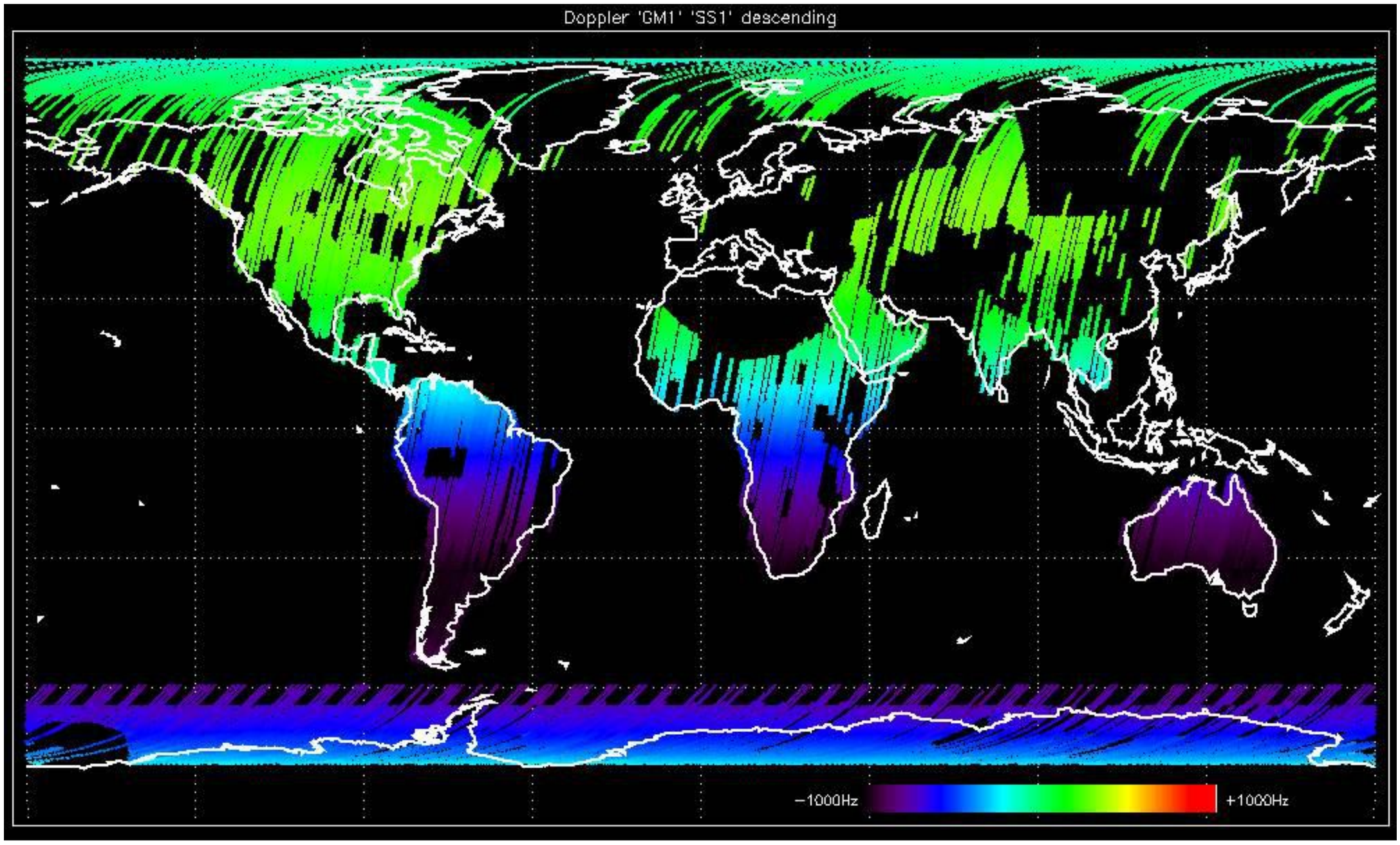

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

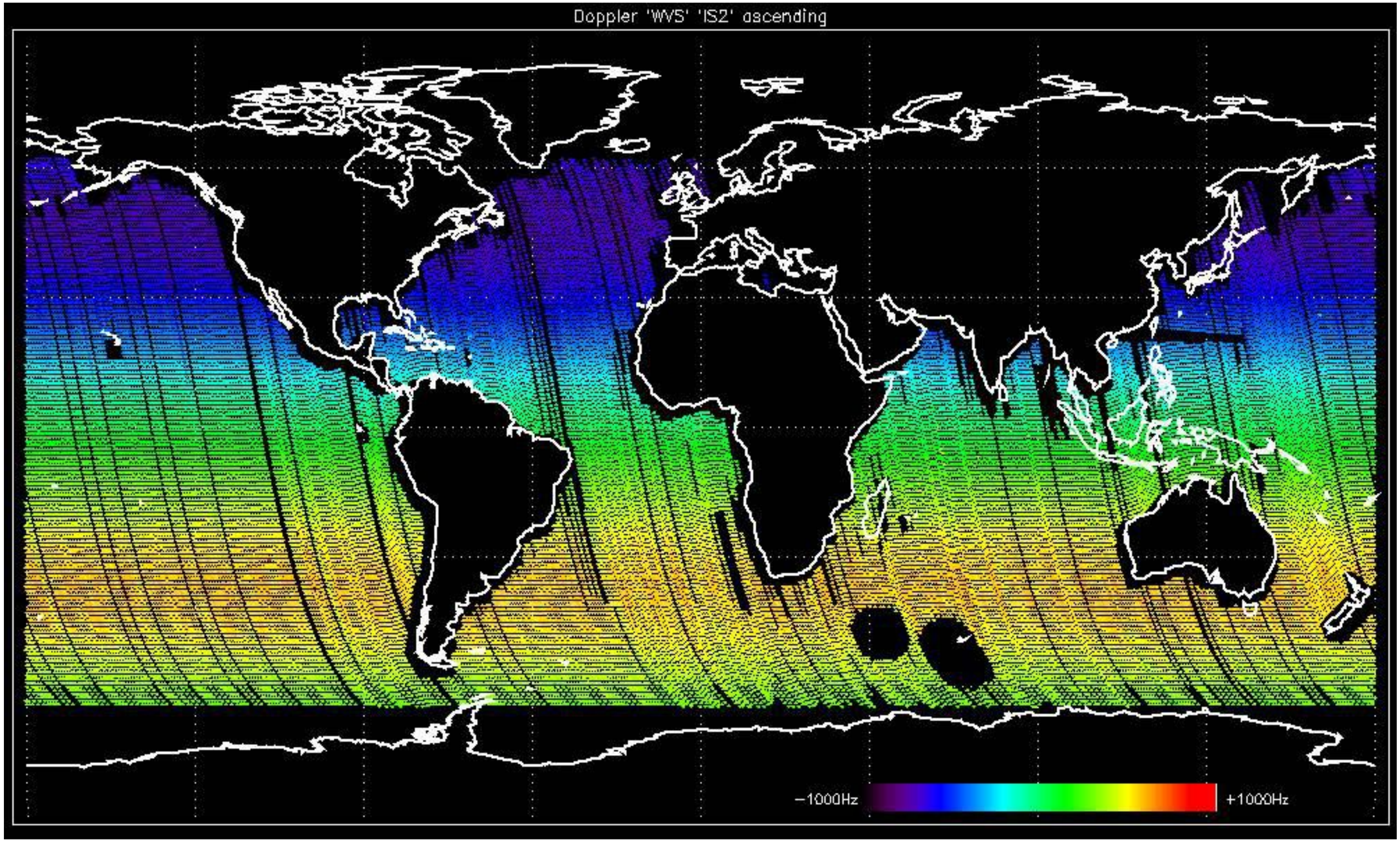

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

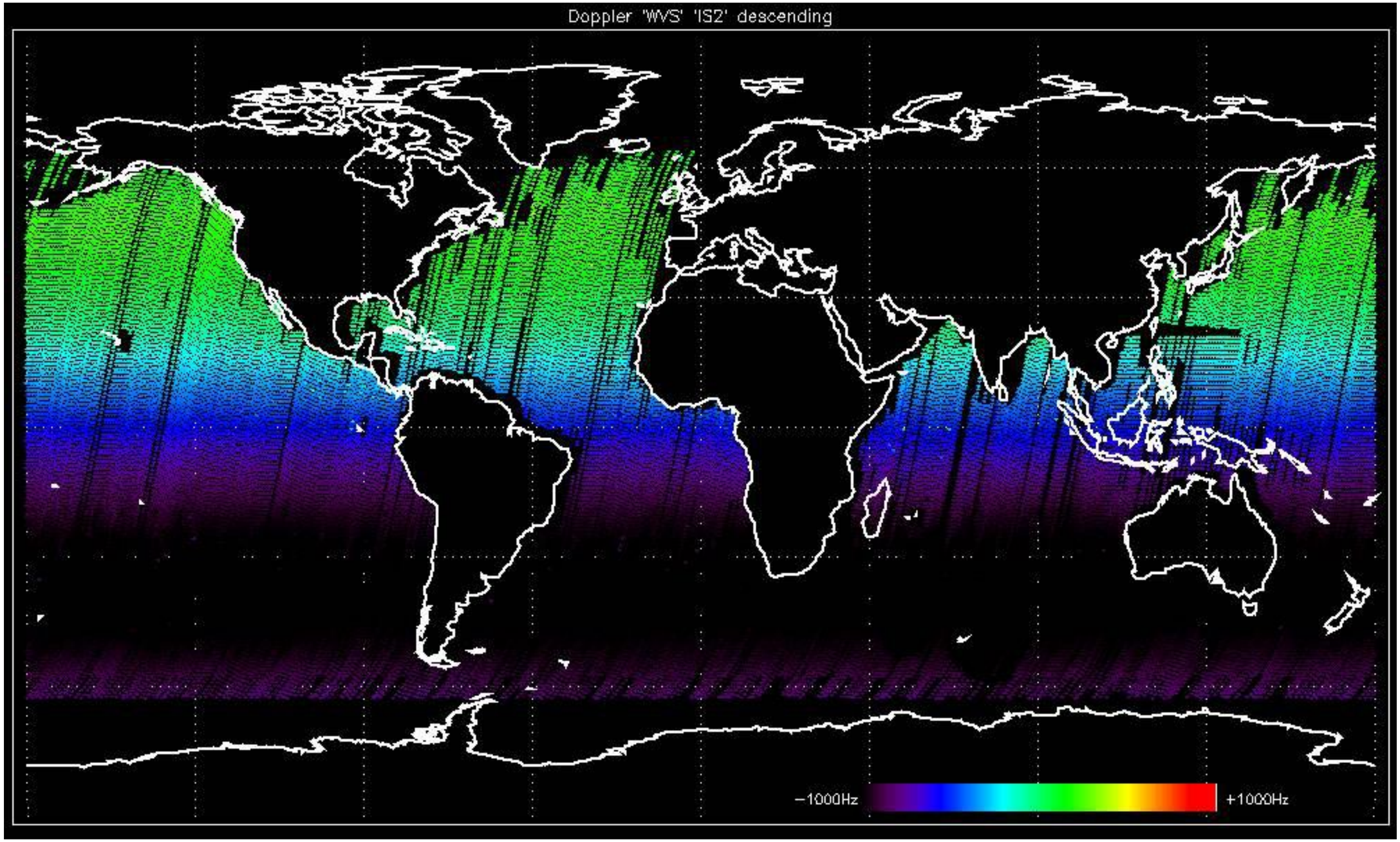
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

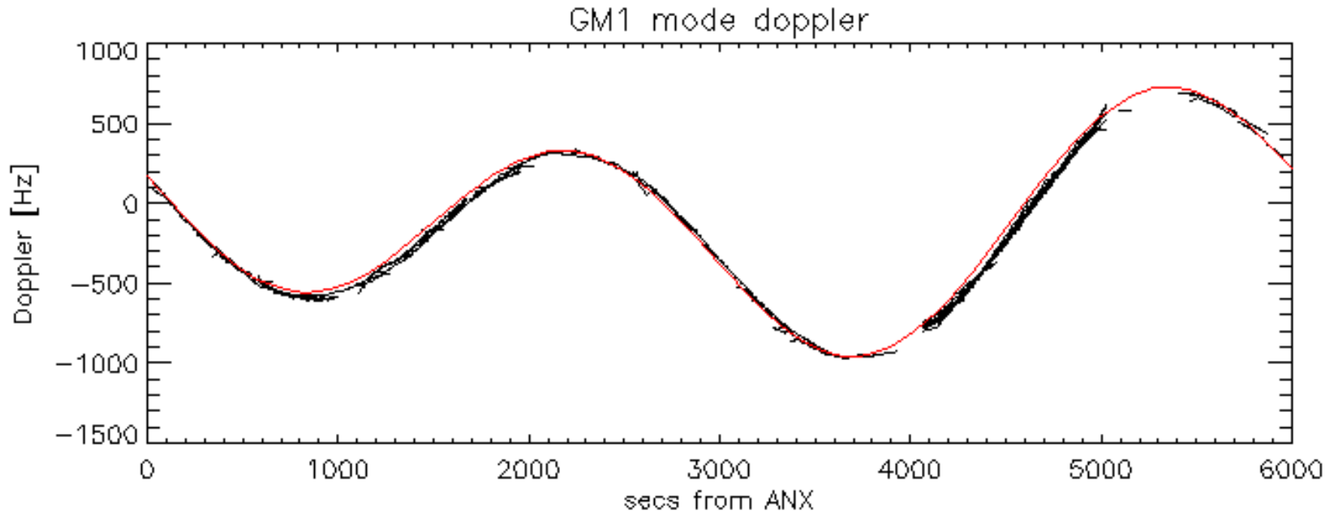
Preliminary report.The data is not yet controled

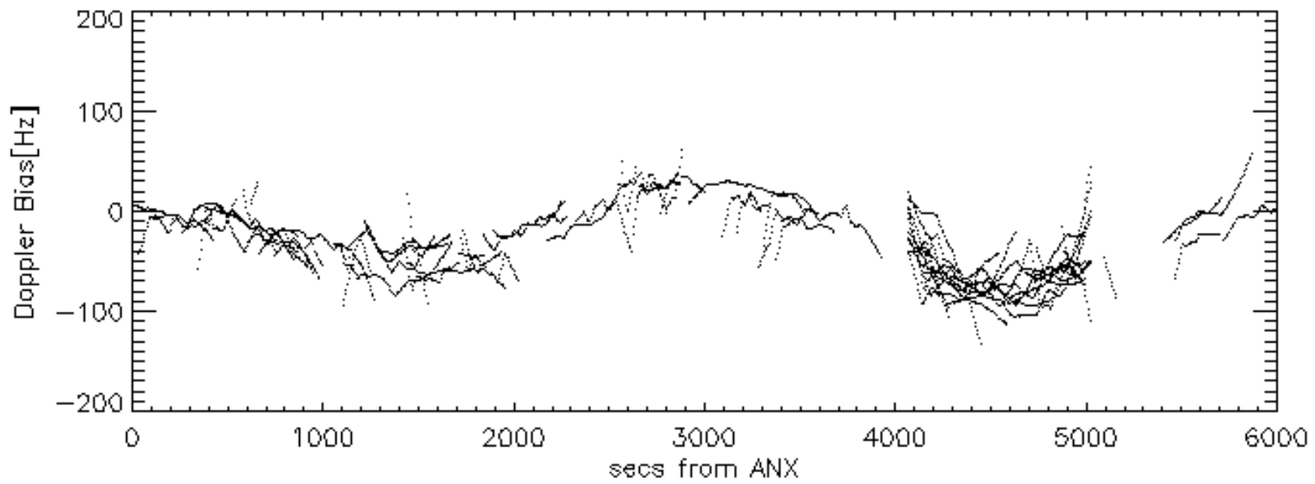

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

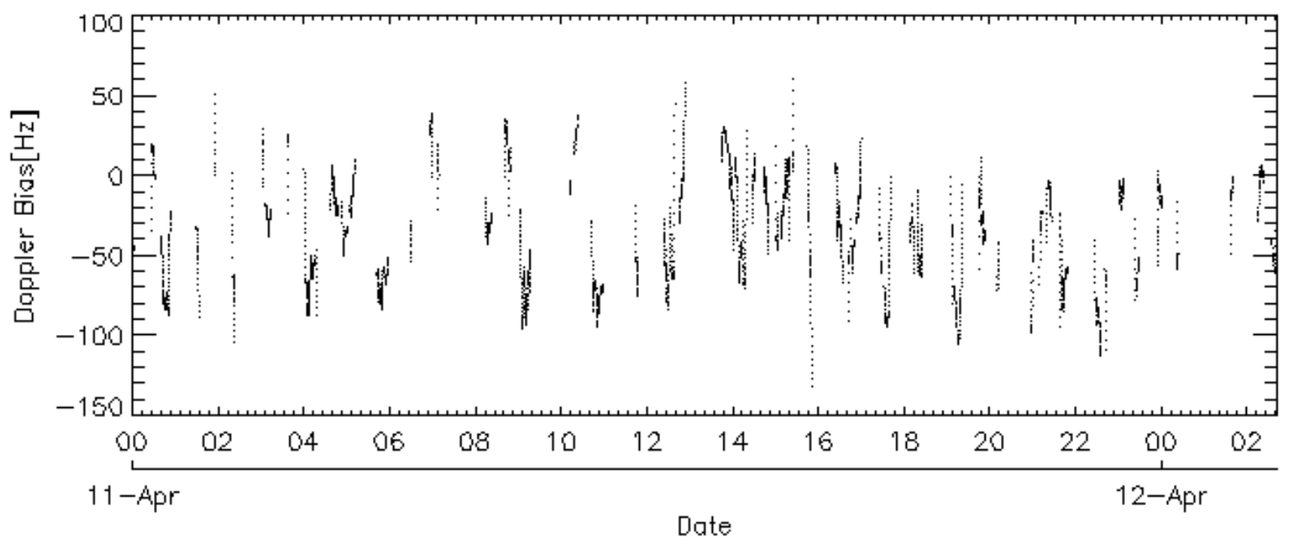

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

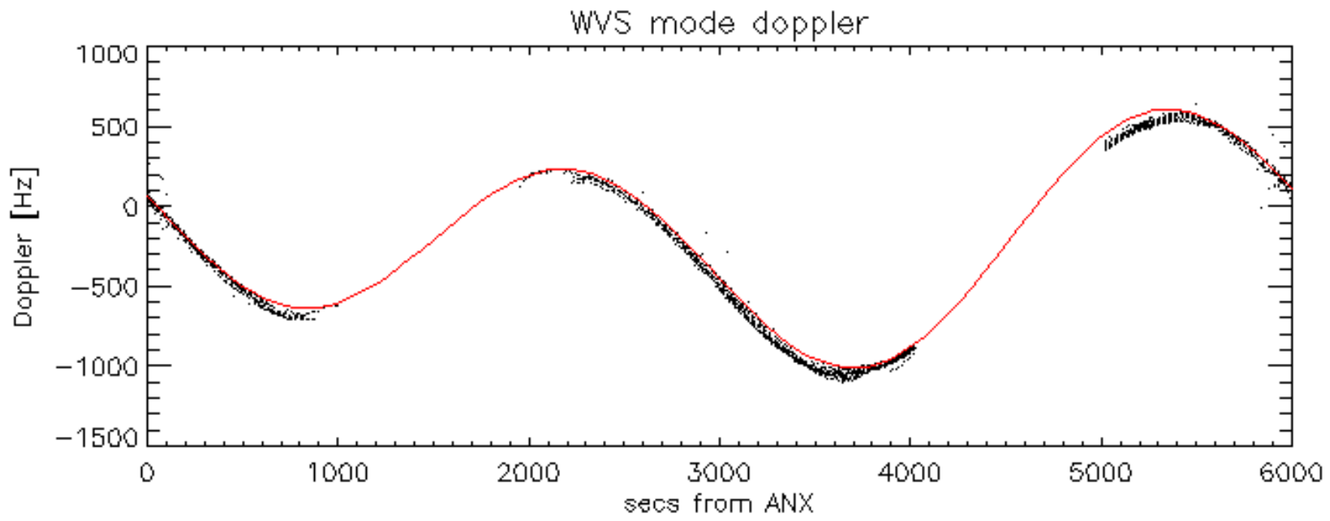

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

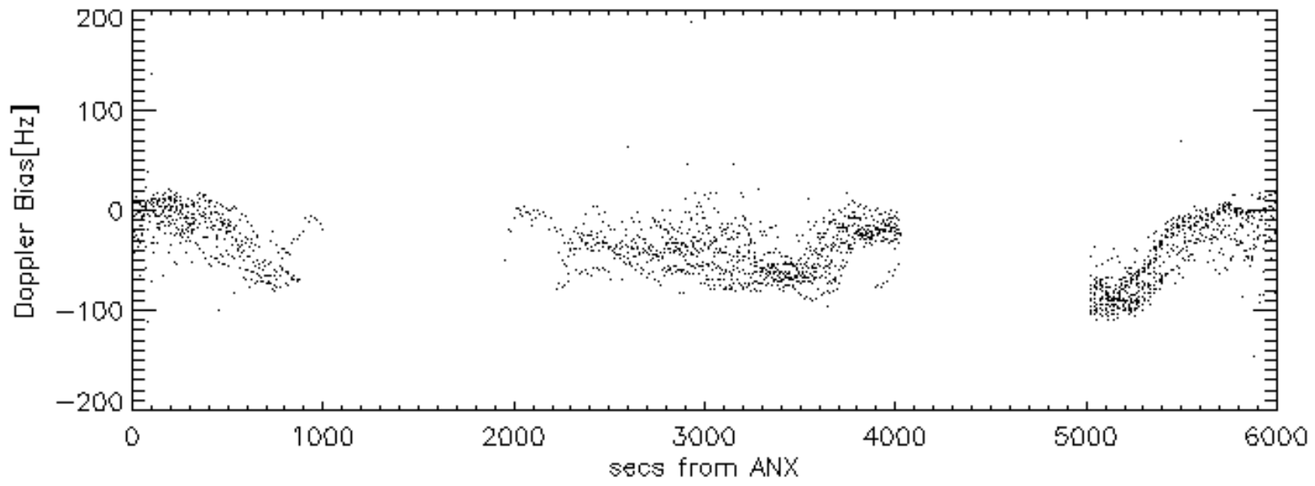

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

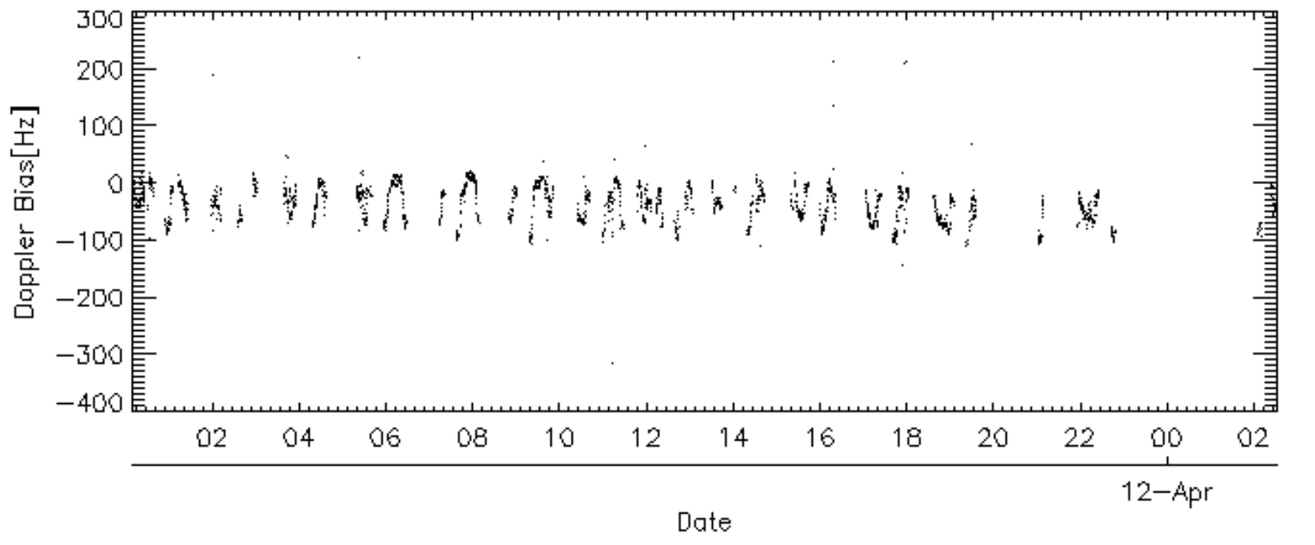

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

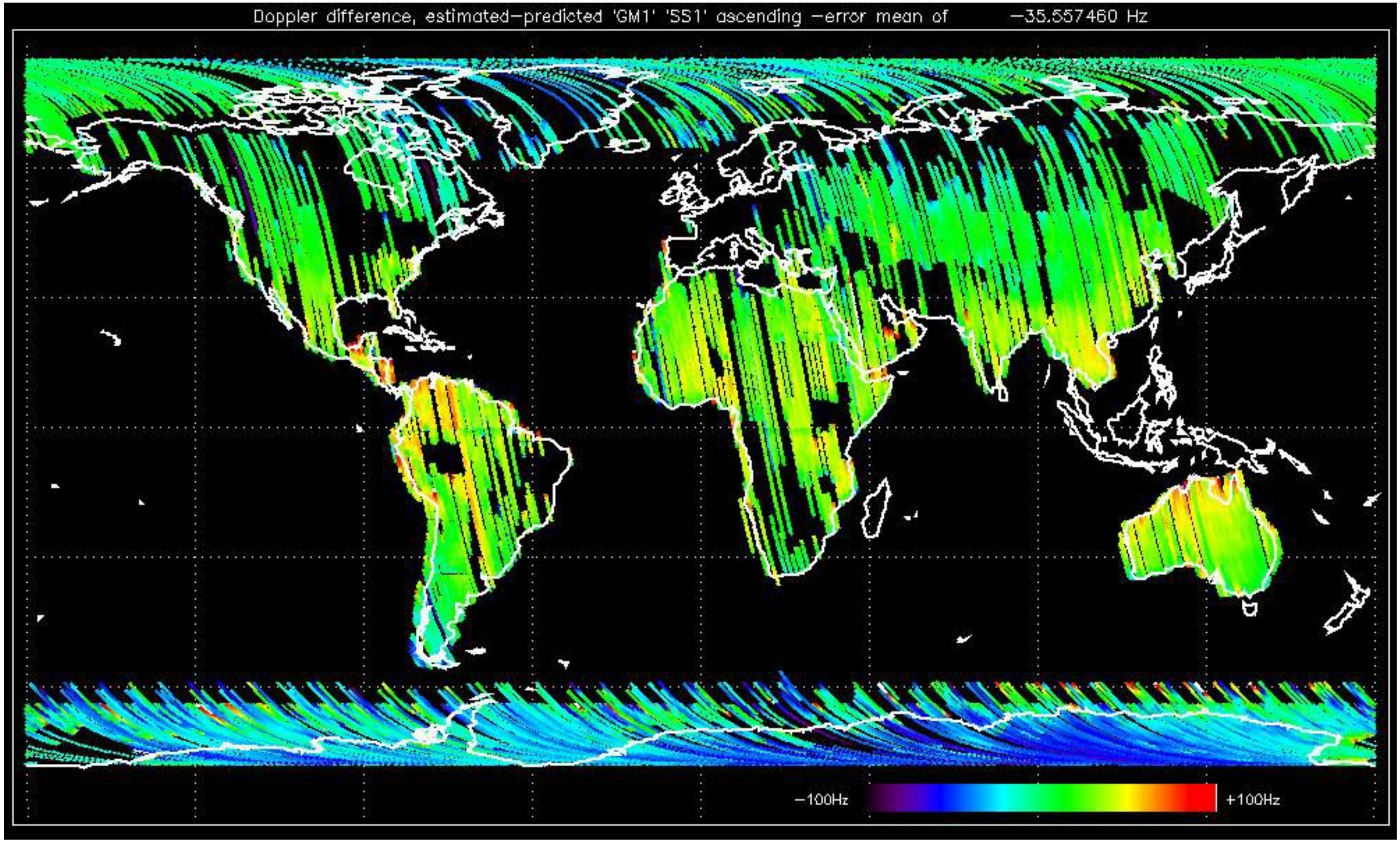

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

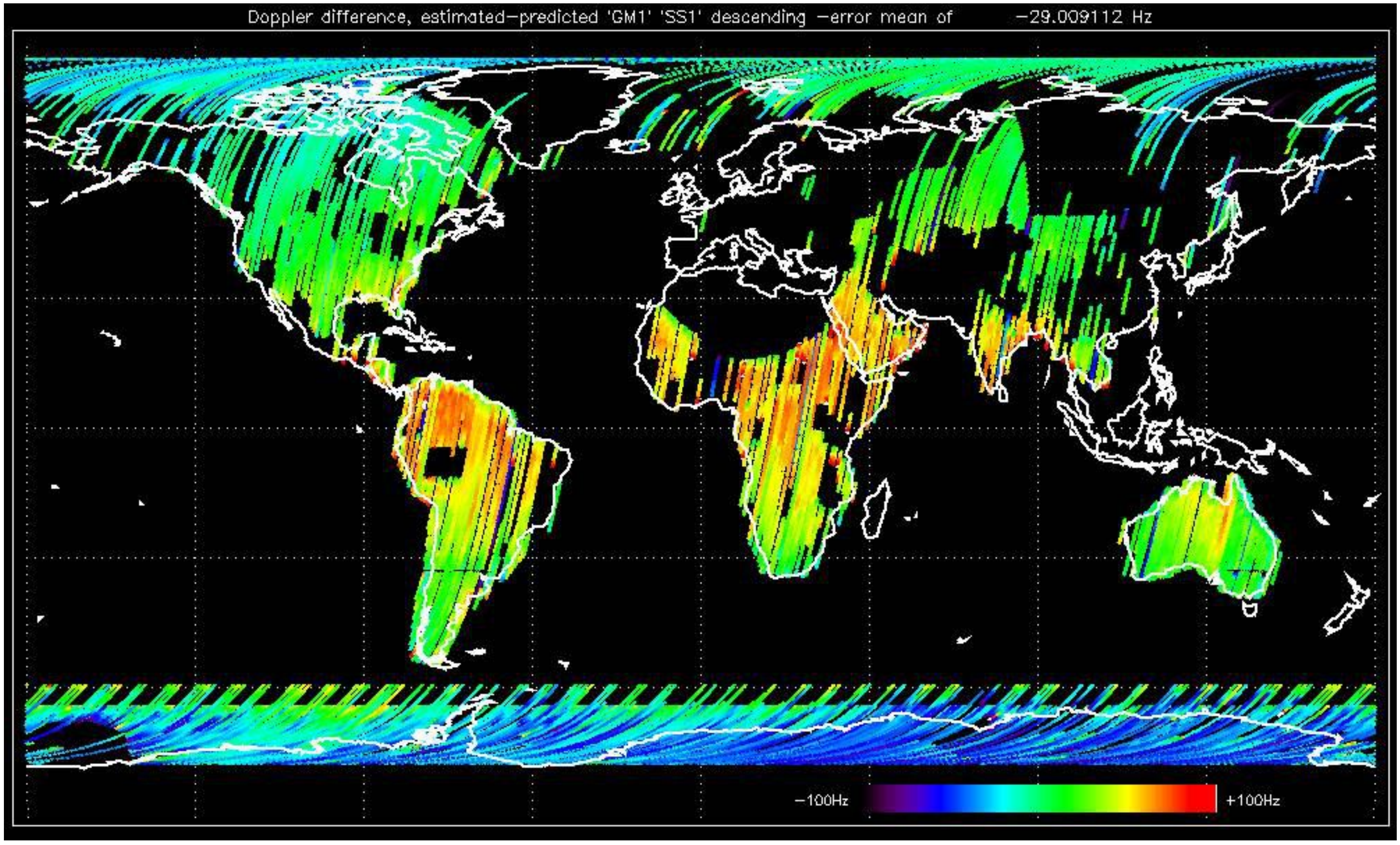

Doppler Bias[Hz]
100
50
0
−50
−100
−150
00
02
04
06
08
10
12
14
16
18
20
22
00
02
11−Apr
12−Apr
Date

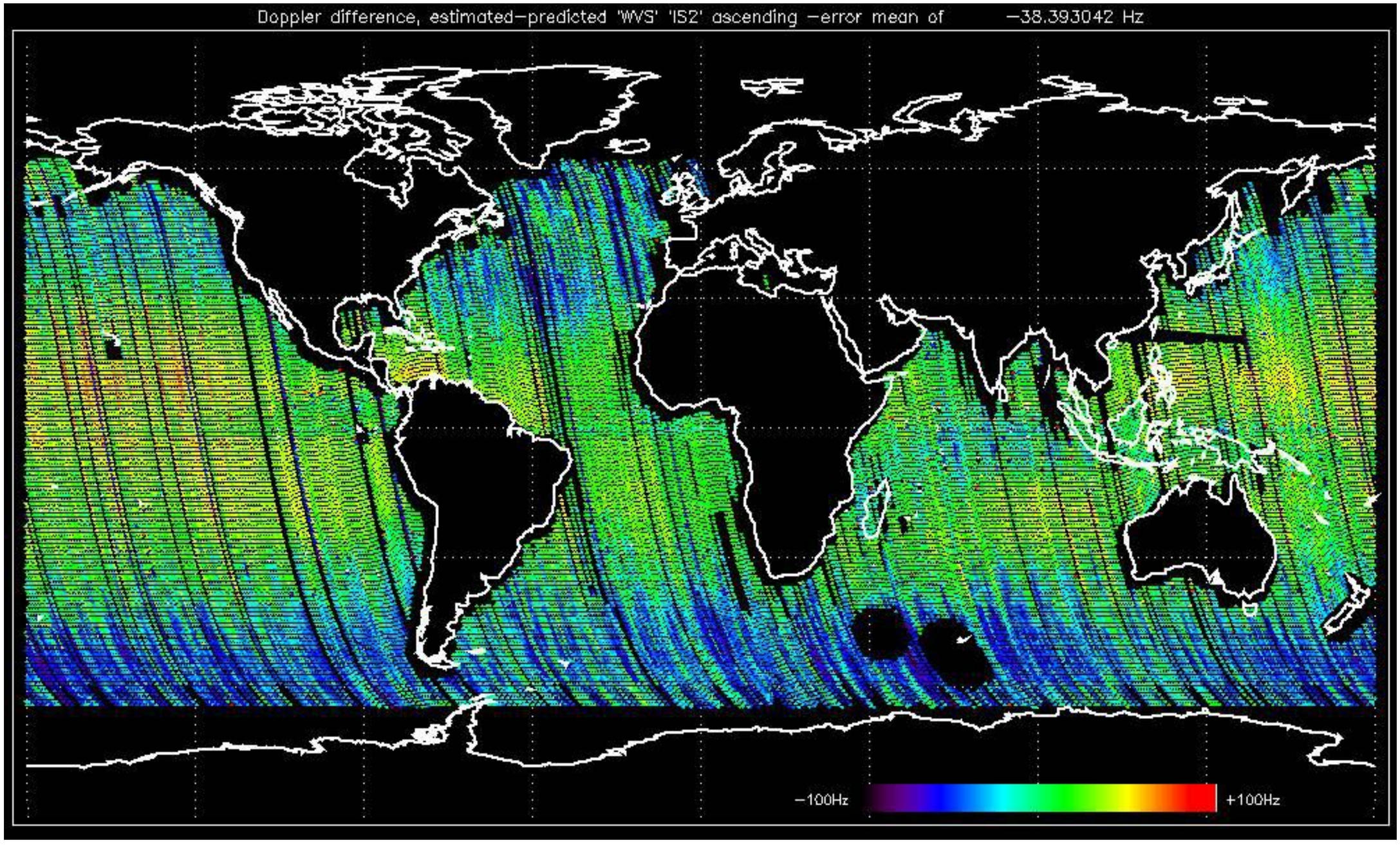

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

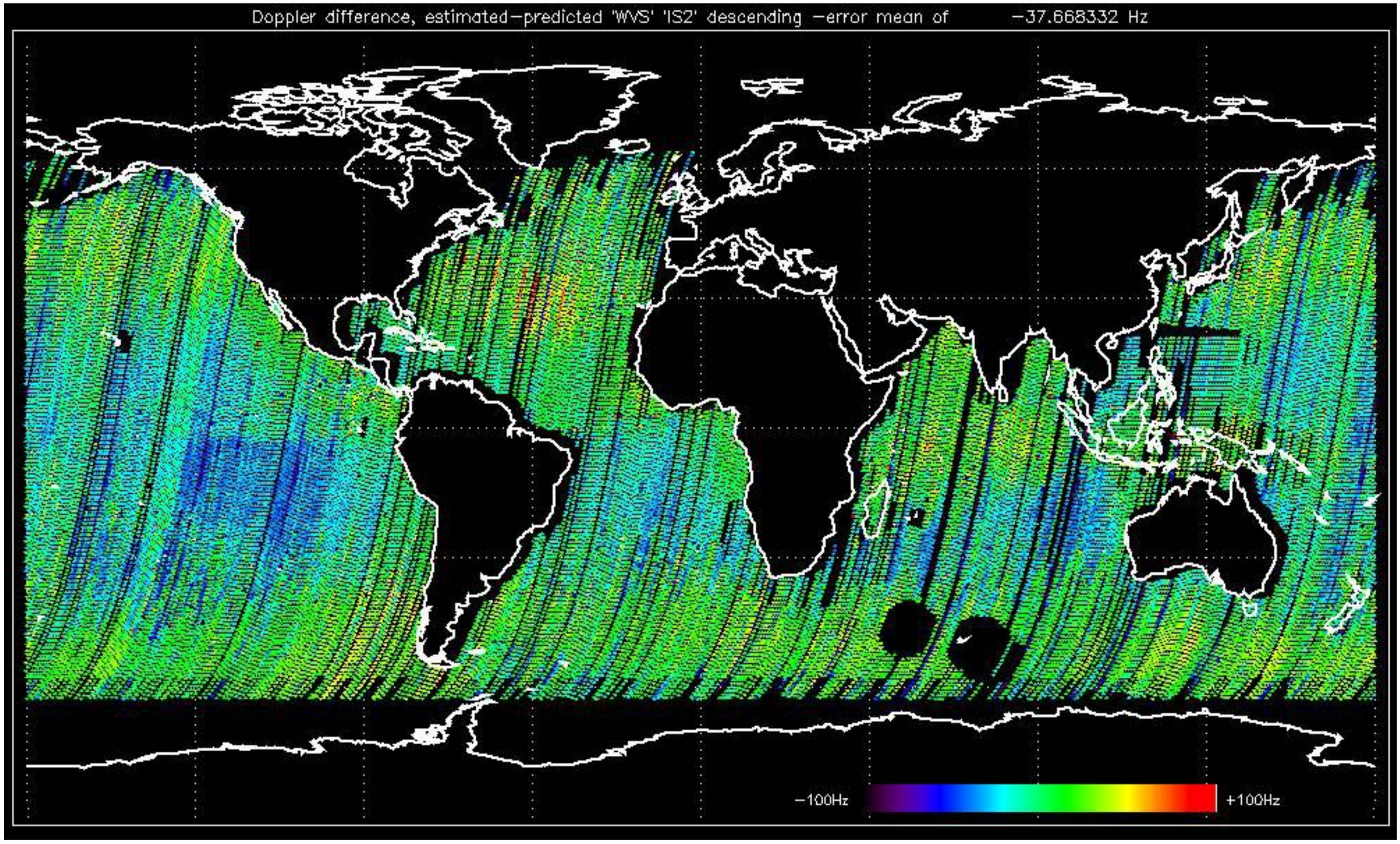

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
−300
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
12−Apr
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −35.557460 Hz
−100Hz
+100Hz

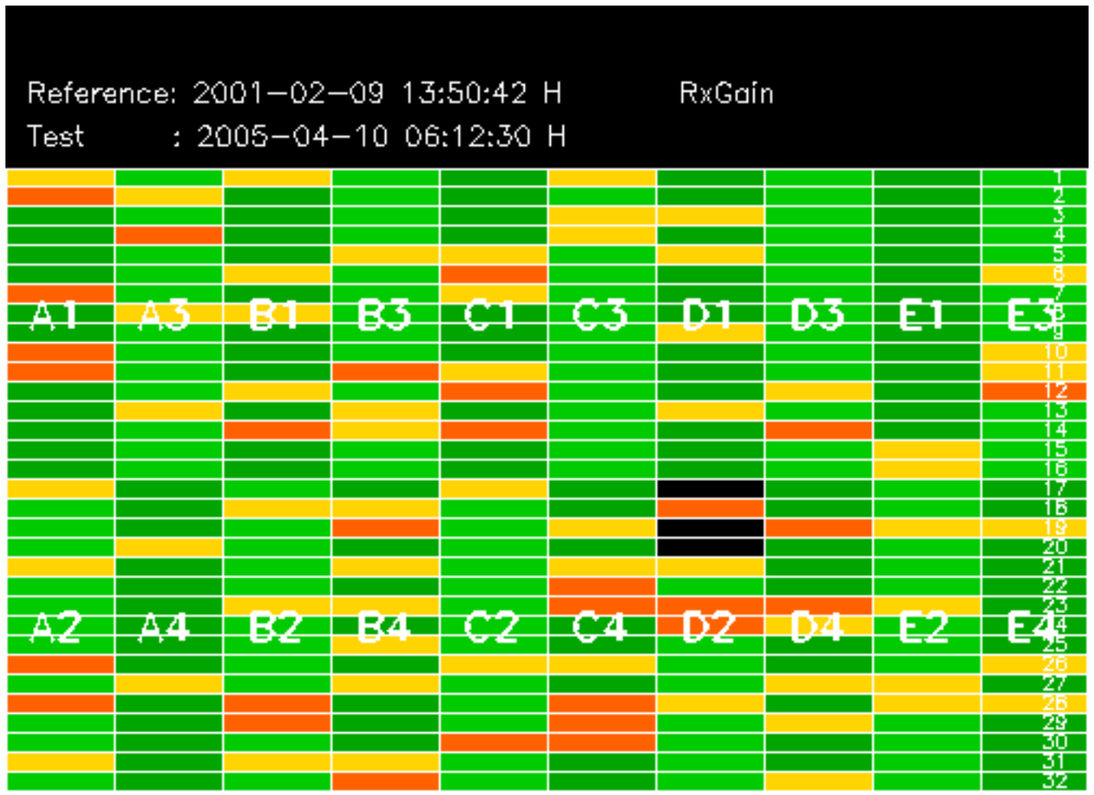

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -29.009112 Hz
-100Hz
+100Hz

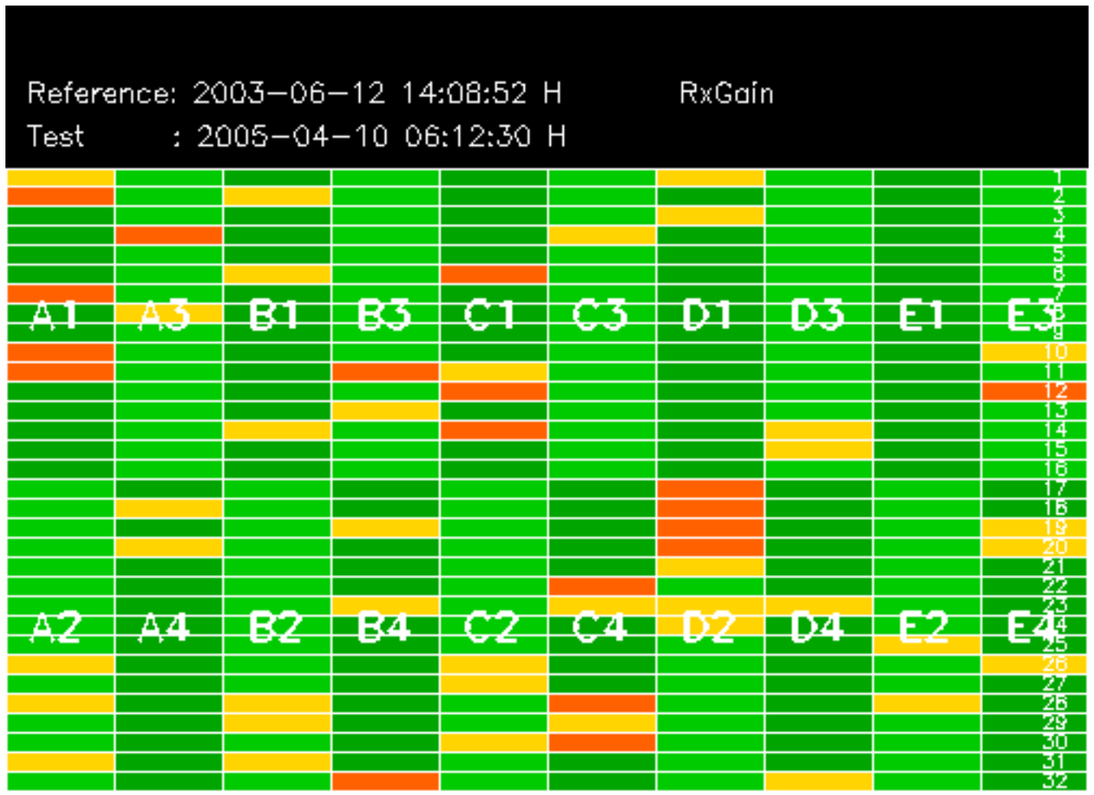

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −38.393042 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −37.668332 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-04-10 06:12:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-04-10 06:12:30 H
RxGain
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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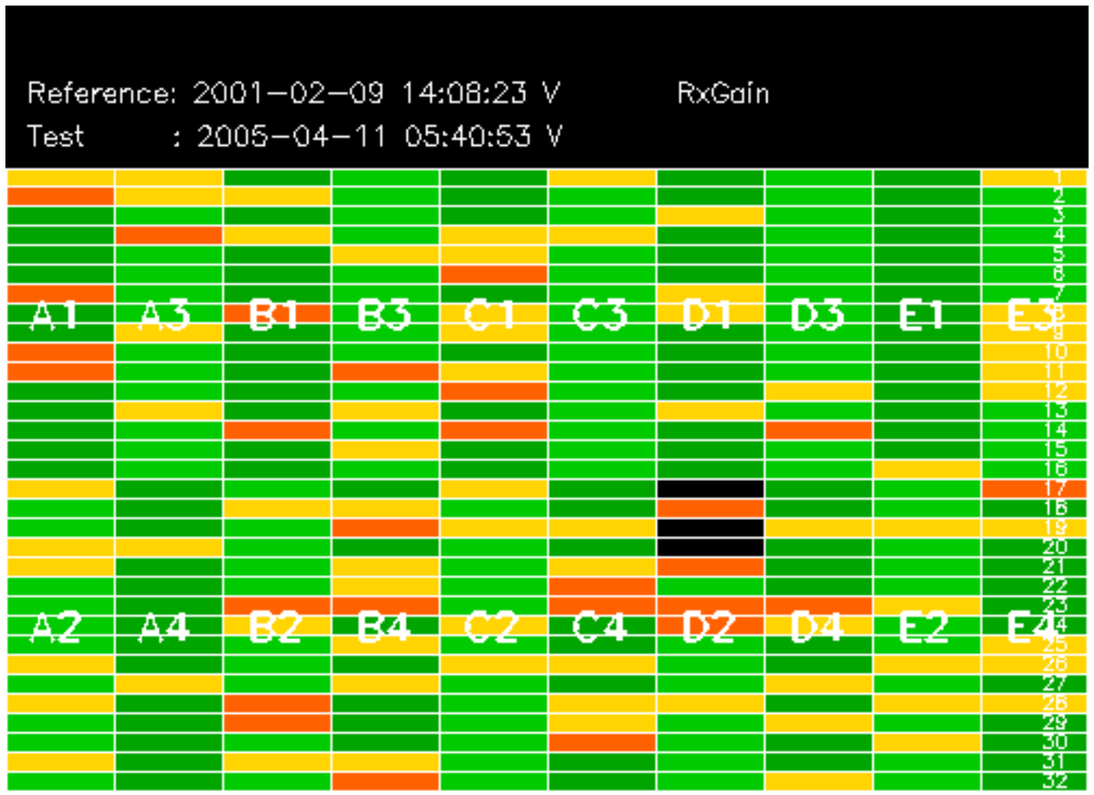
Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2005-04-11 05:40:53 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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8
9
10
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31
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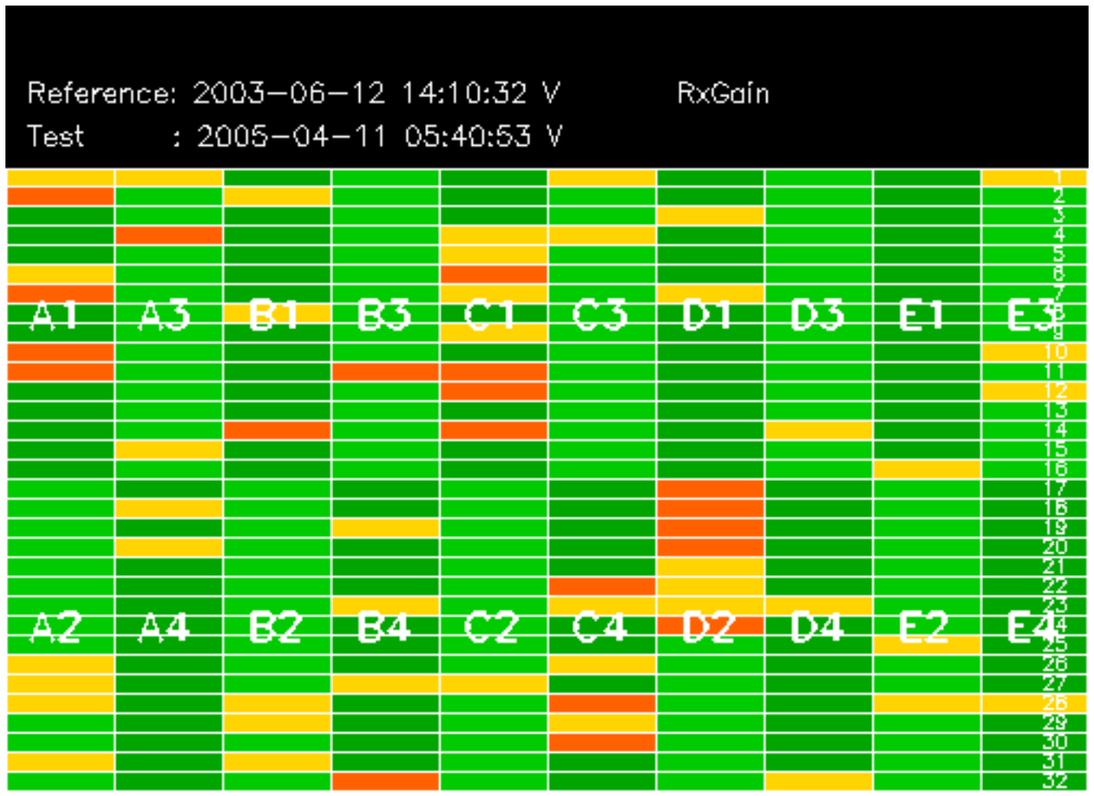
Reference: 2003-06-12 14:10:32 V
Test : 2005-04-11 05:40:53 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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9
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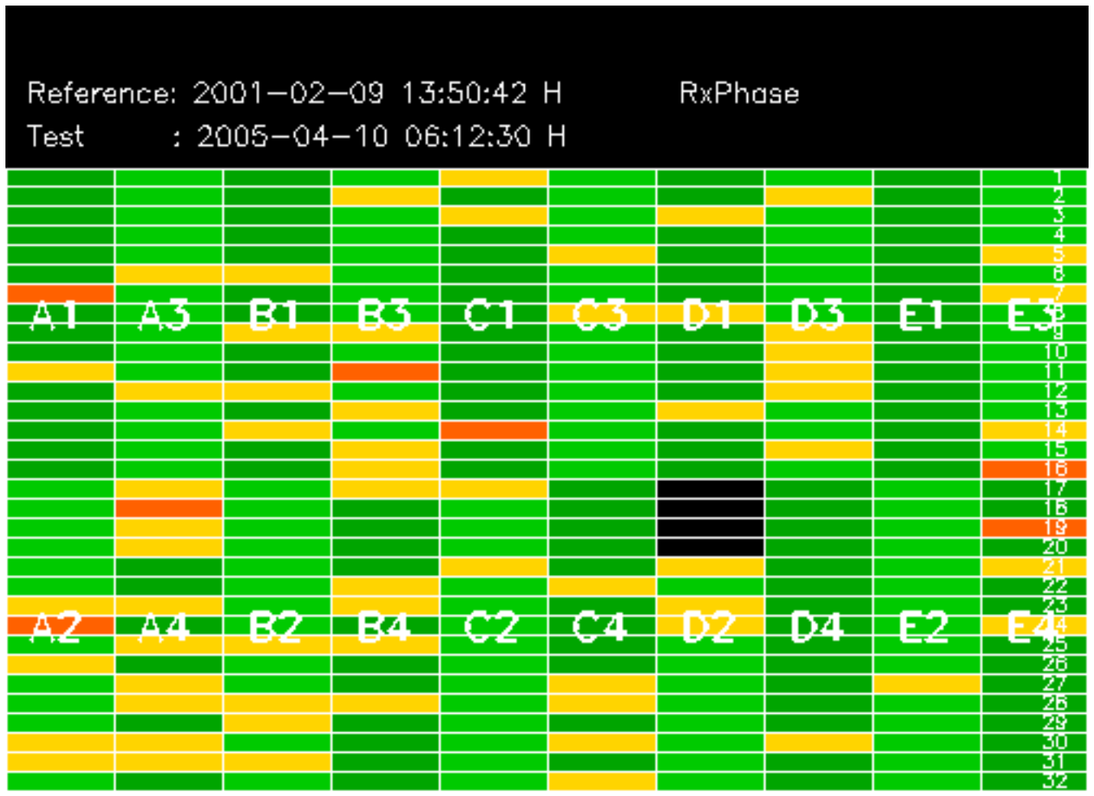
29
30
31
32


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-04-10 06:12:30 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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8
9
10
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24
25
26
27
28
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-04-10 06:12:30 H
RxPhase
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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3
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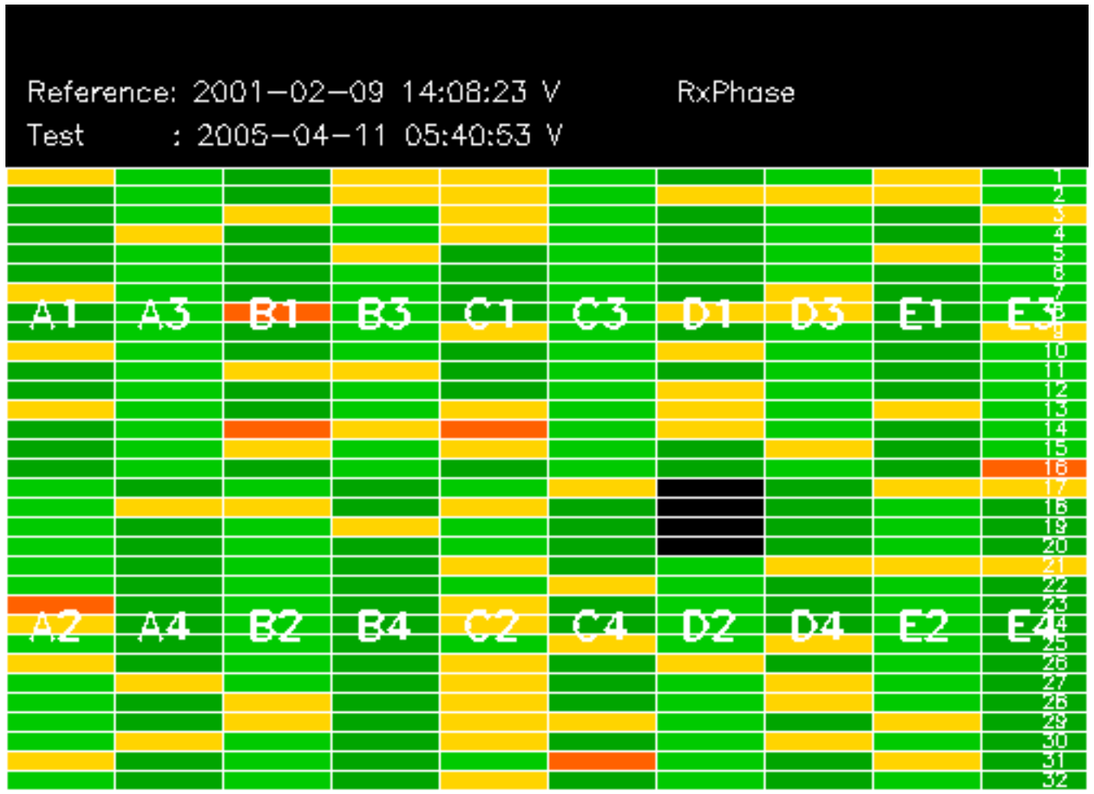
Reference: 2001-02-09 14:08:23 V
Test : 2005-04-11 05:40:53 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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8
9
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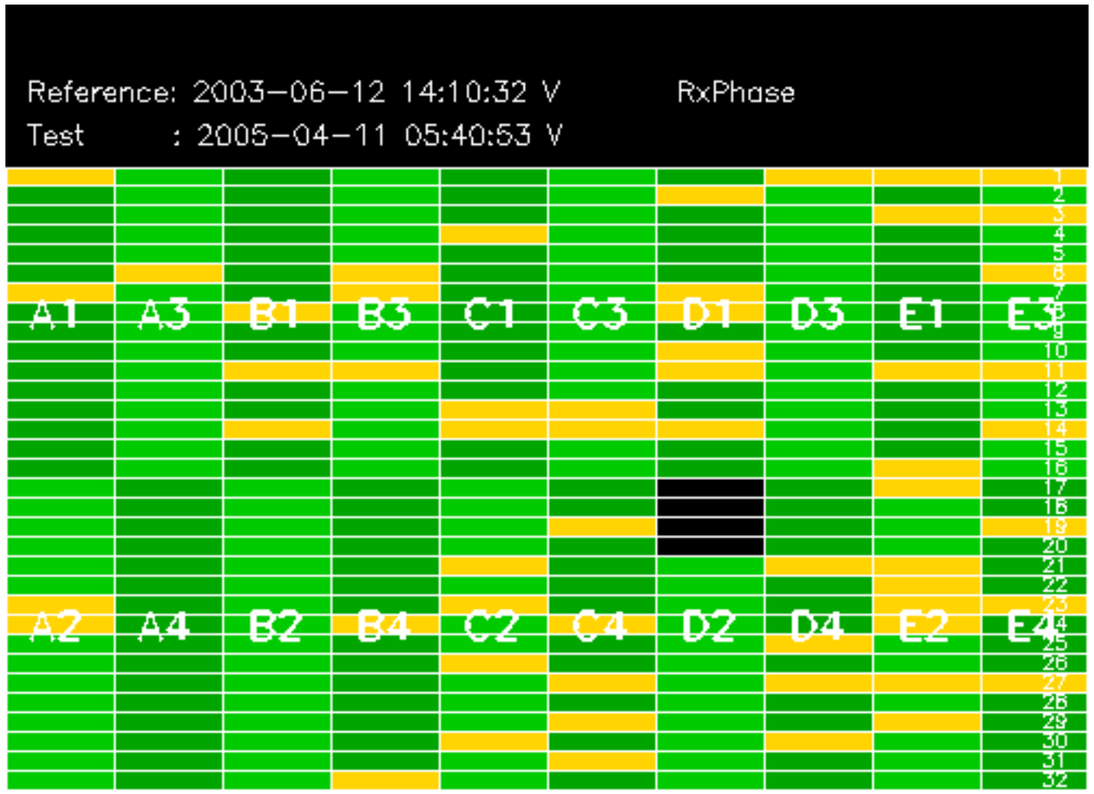
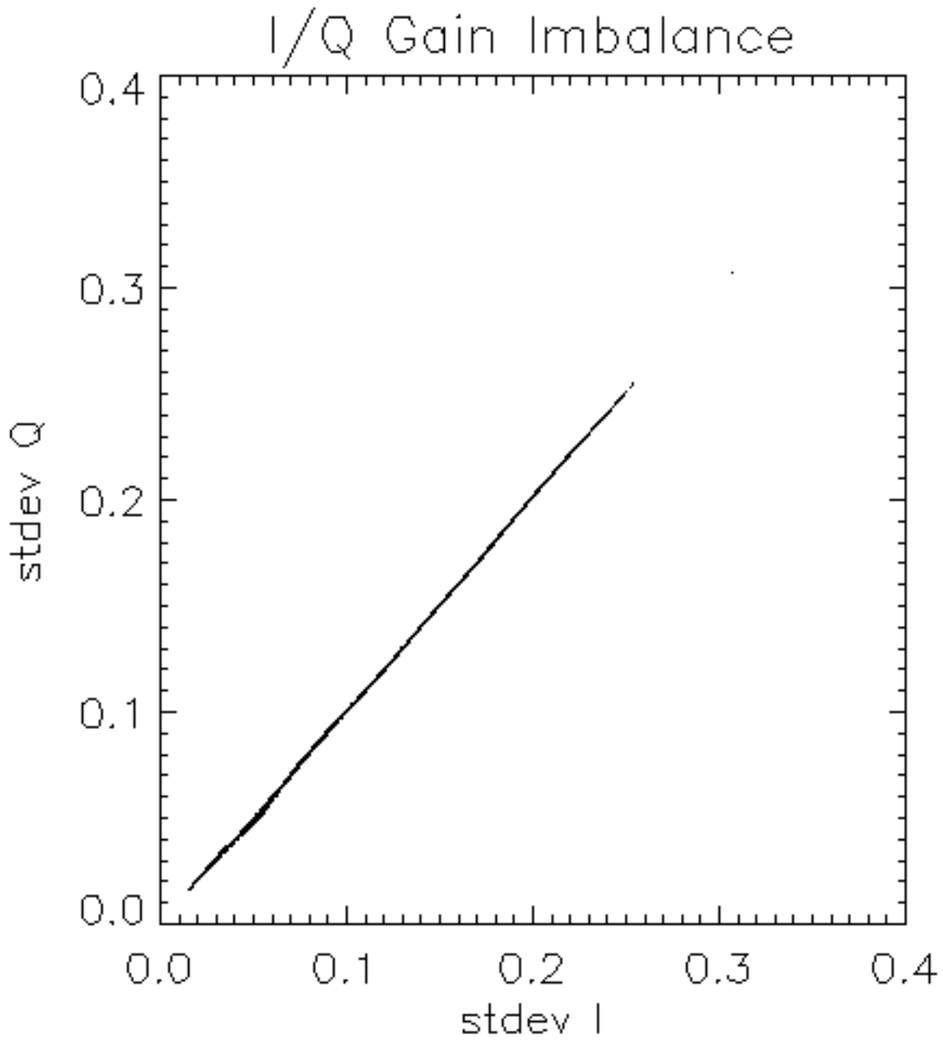
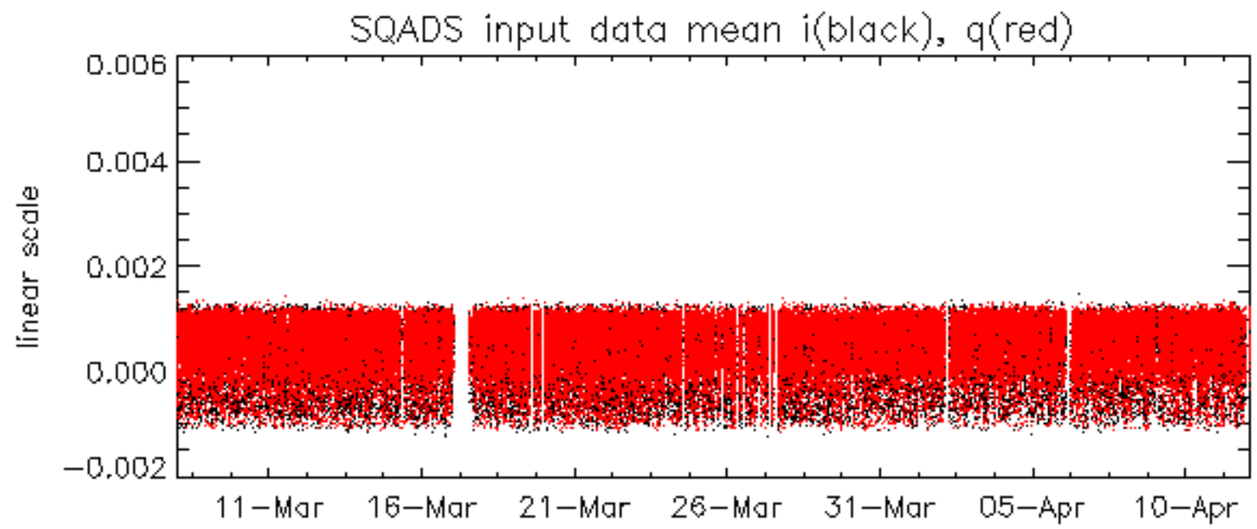
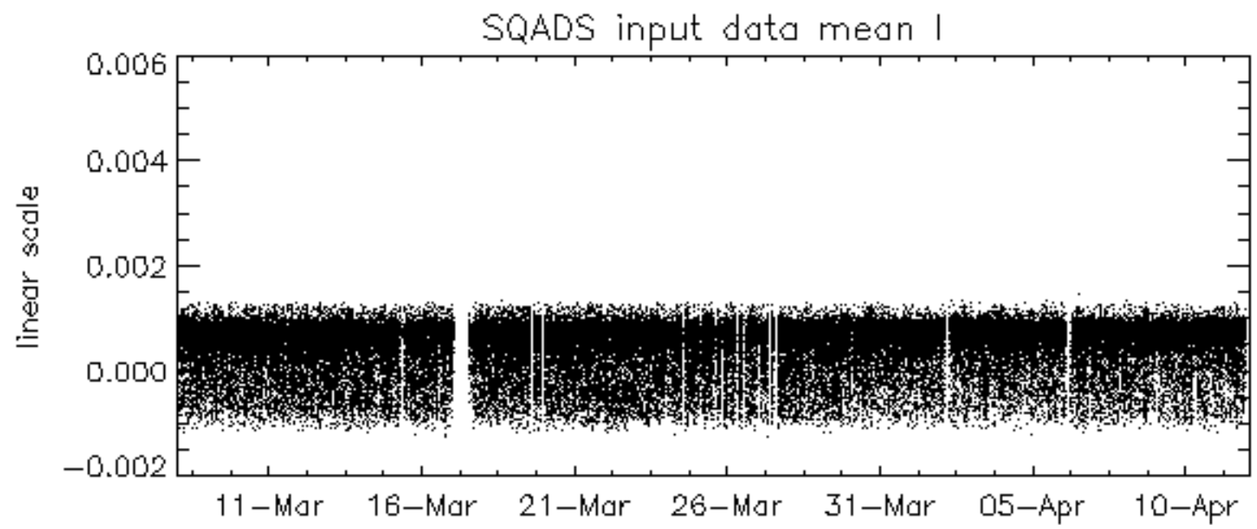
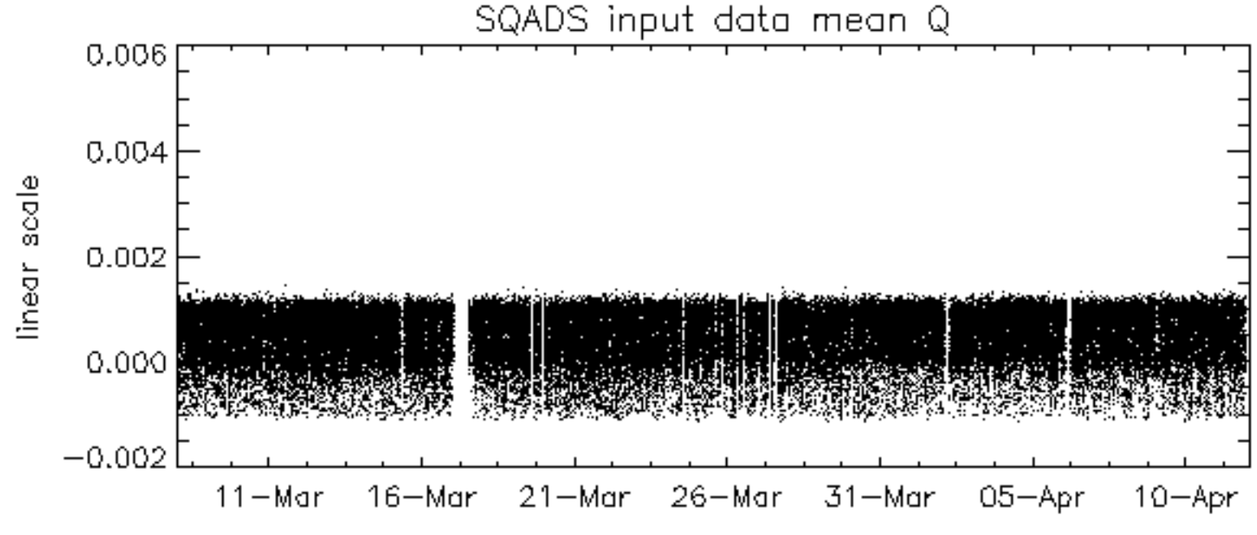
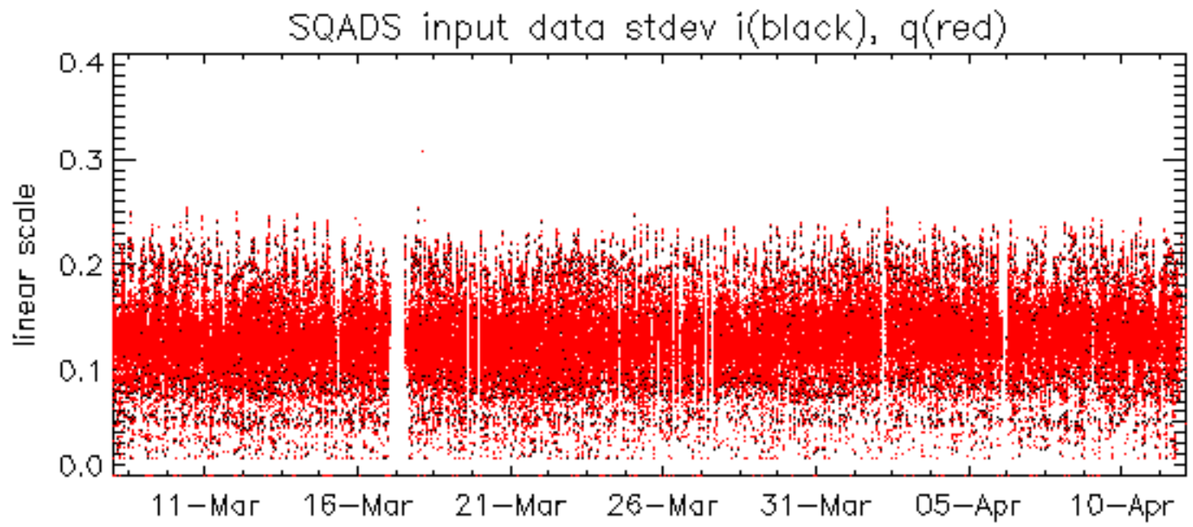

Reference: 2003-06-12 14:10:32 V
Test : 2005-04-11 05:40:53 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

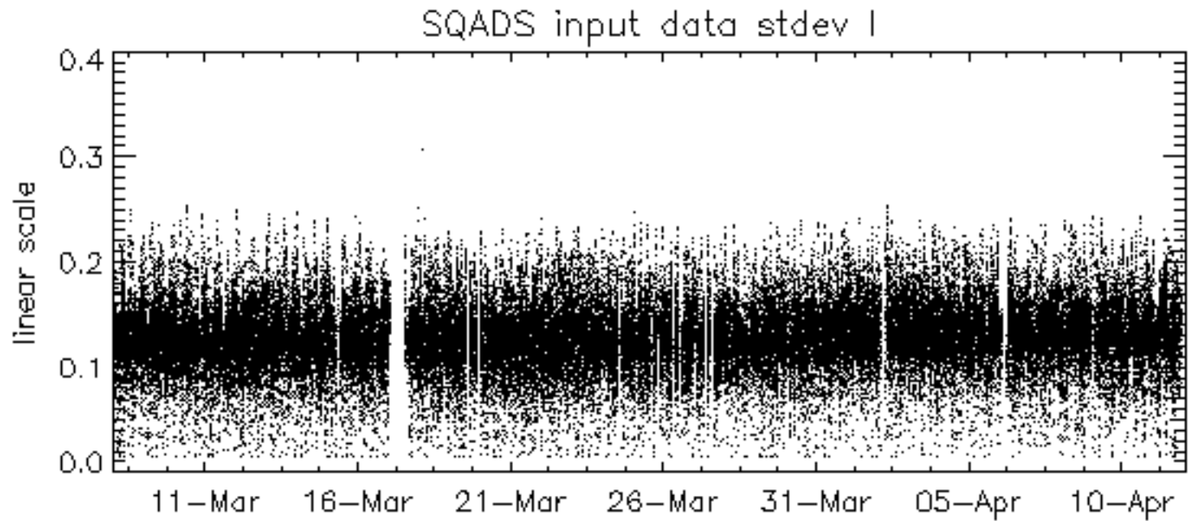

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

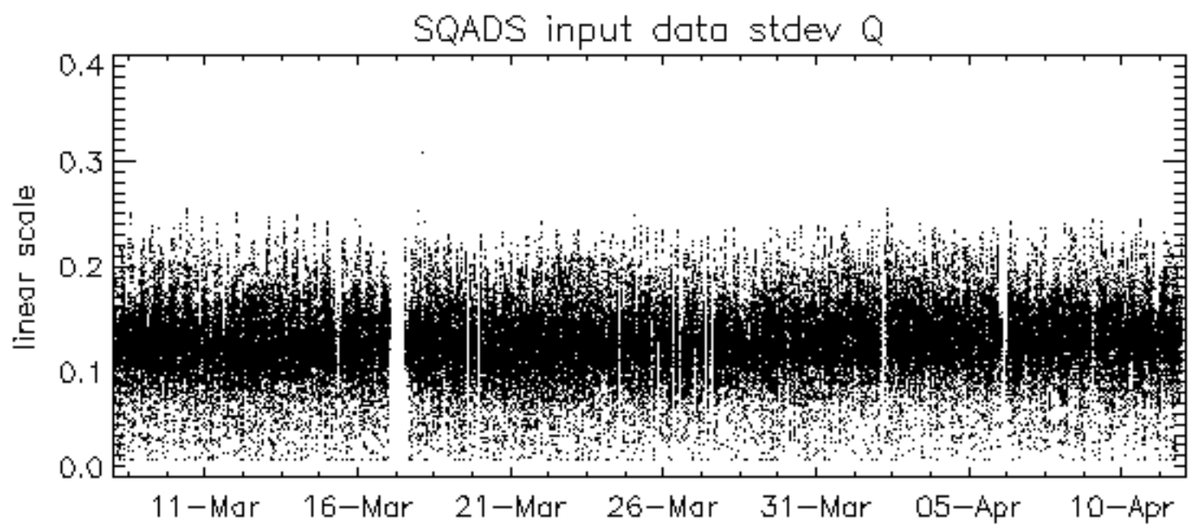

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr

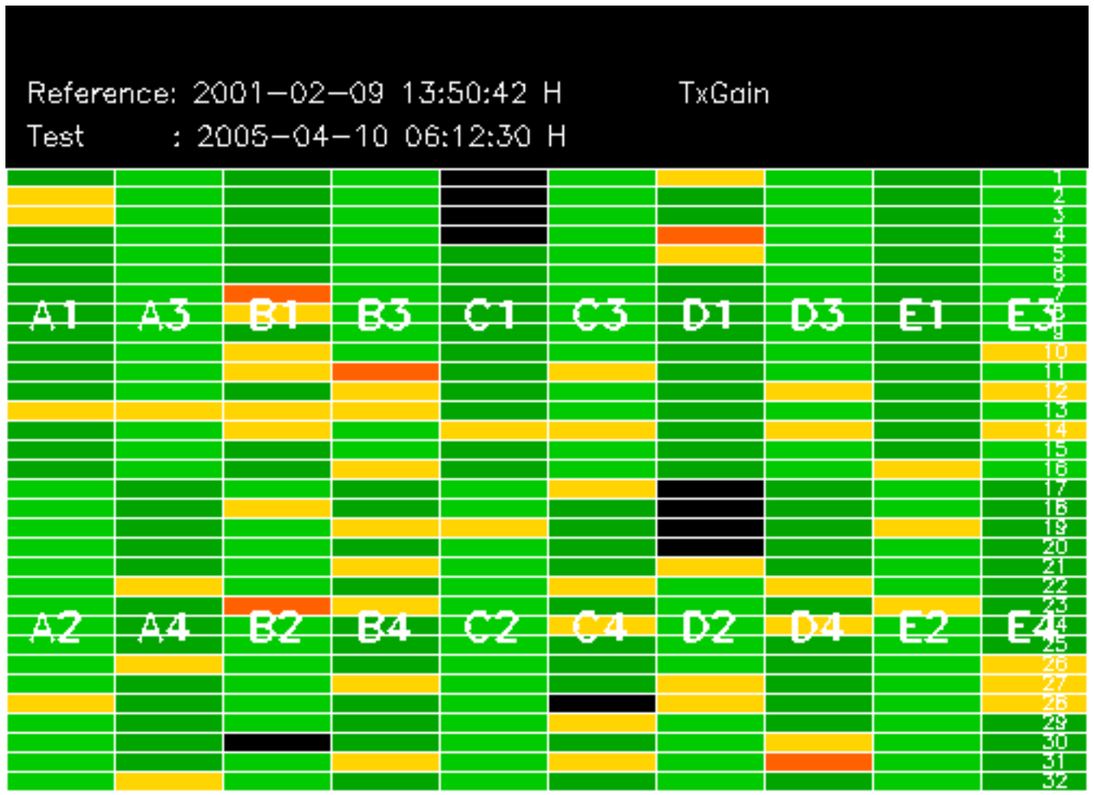

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
11−Mar
16−Mar
21−Mar
26−Mar
31−Mar
05−Apr
10−Apr


Reference: 2001-02-09 13:50:42 H
Test : 2005-04-10 06:12:30 H
TxGain
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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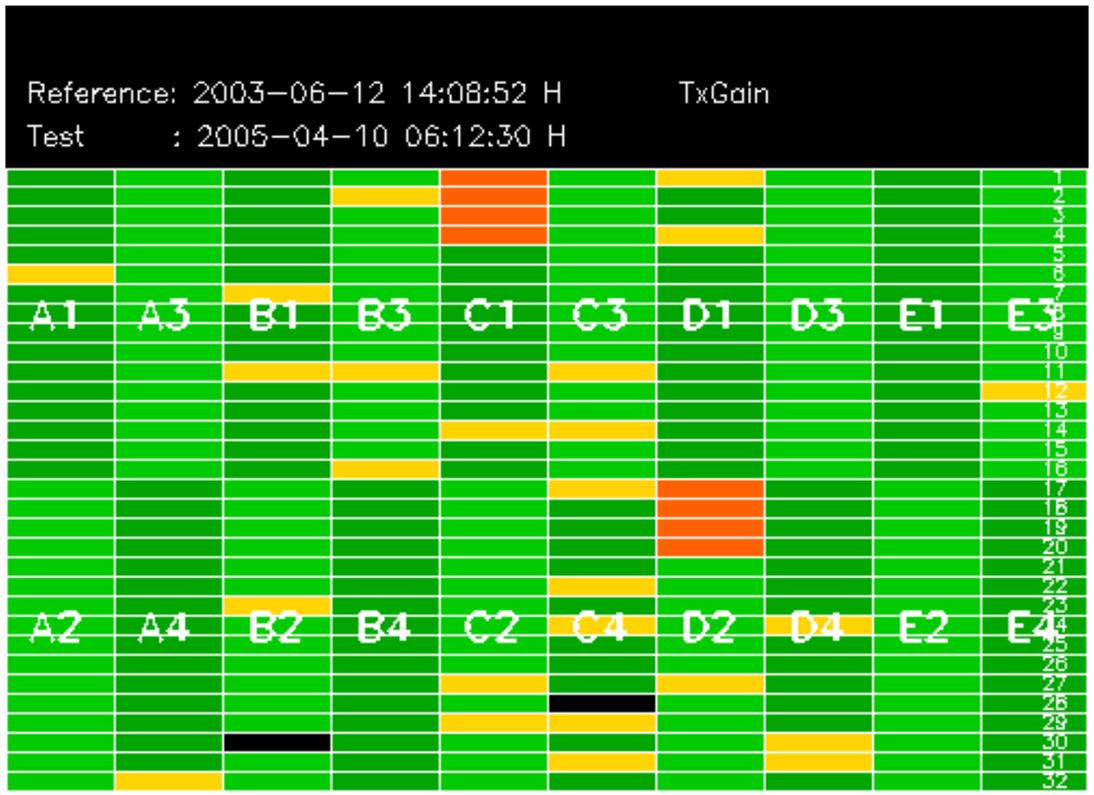
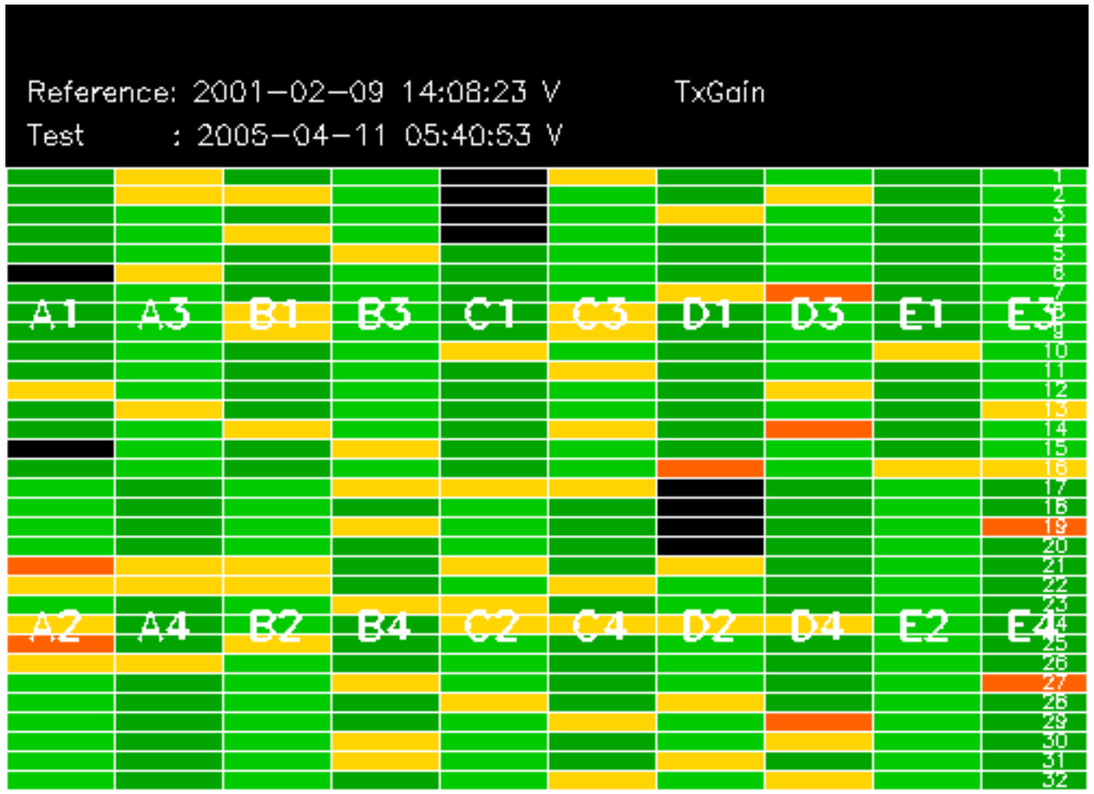

Reference: 2003-06-12 14:08:52 H
Test : 2005-04-10 06:12:30 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-04-11 05:40:53 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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28
29
30
31
32


Reference: 2003-06-12 14:10:32 V
Test : 2005-04-11 05:40:53 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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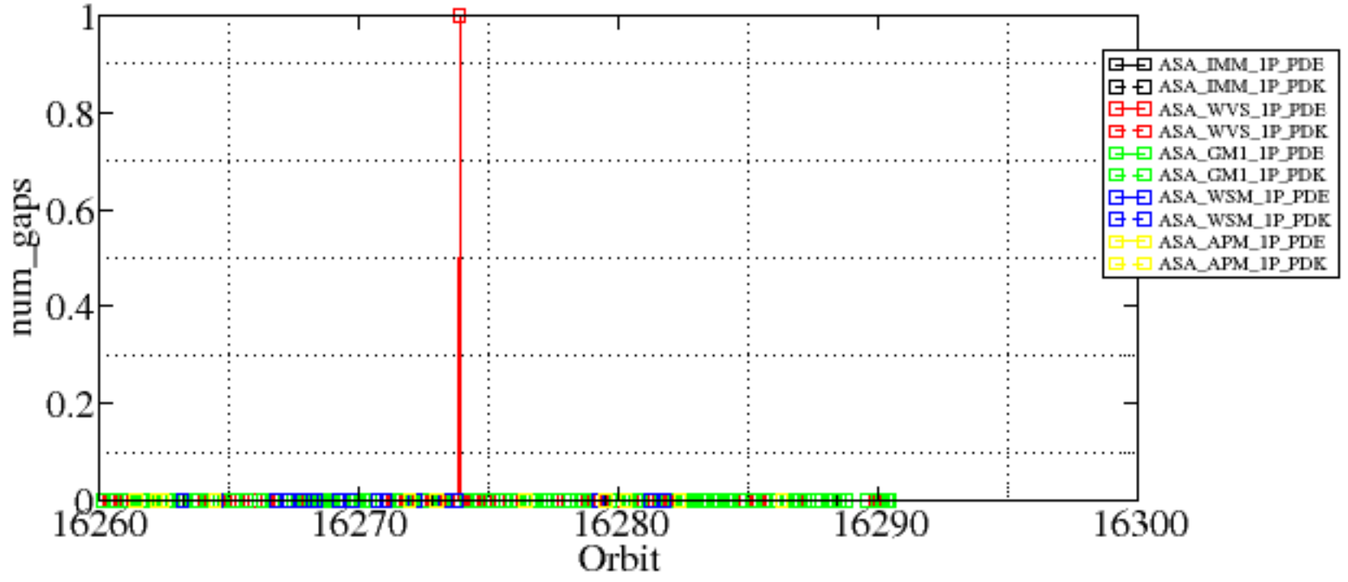
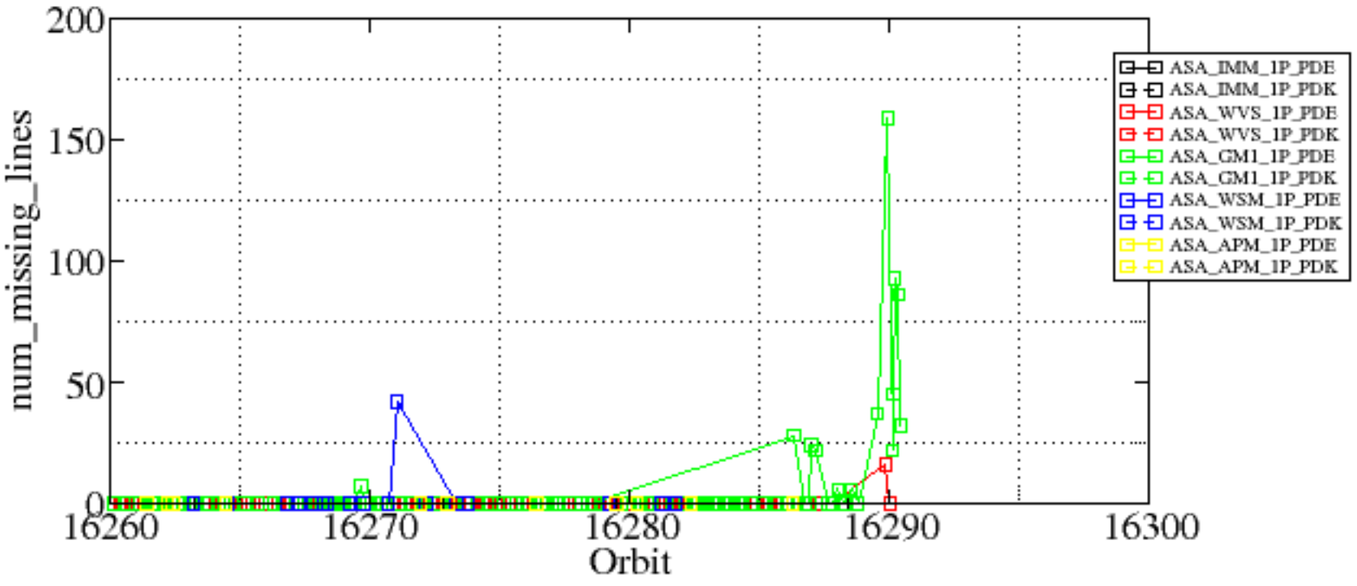
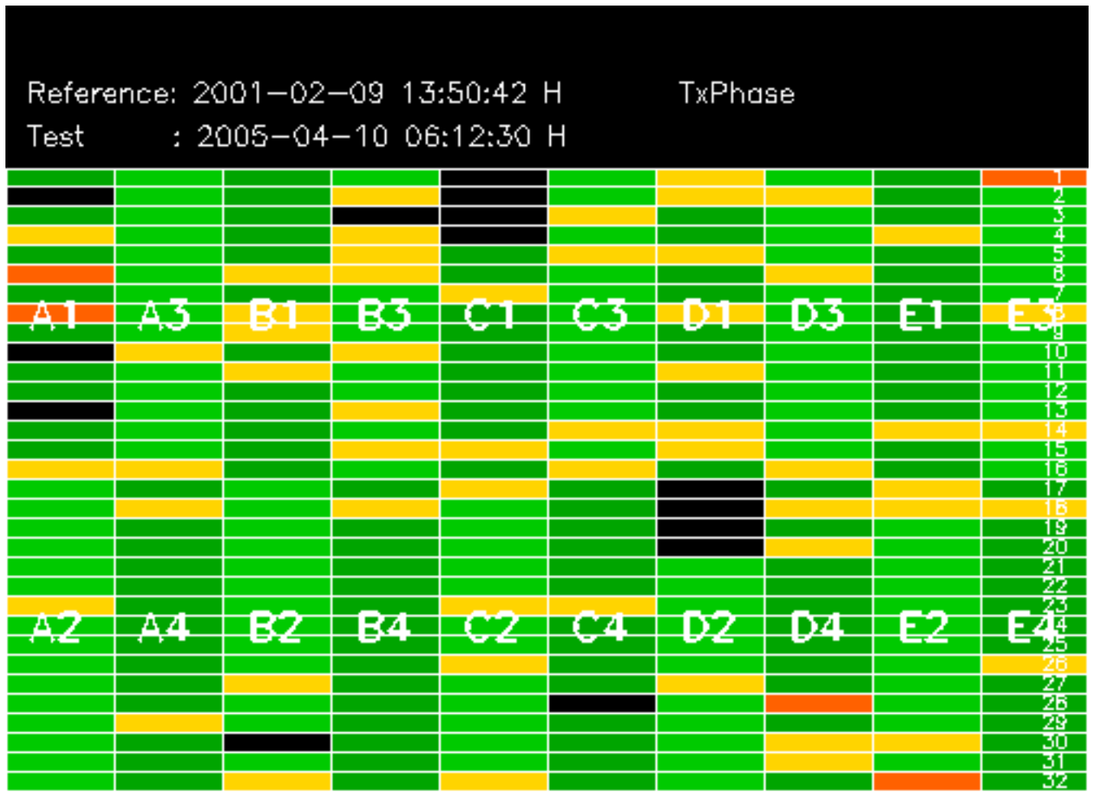
Summary of analysis for the last 3 days 2005041[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WVS_1PNPDE20050410_231921_000000002036_00187_16273_8167.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDE20050412_020541_000002702036_00203_16289_8174.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050411_201027_000001142036_00200_16286_5106.N1 </td> <td>0 </td> <td>28 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050411_211942_000003922036_00201_16287_5118.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050411_213733_000006942036_00201_16287_5115.N1 </td> <td>0 </td> <td>22 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050411_230143_000003022036_00202_16288_5137.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050411_235428_000003982036_00202_16288_5136.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_013637_000001632036_00203_16289_5147.N1 </td> <td>0 </td> <td>37 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_021543_000005072036_00203_16289_5155.N1 </td> <td>0 </td> <td>159 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_023446_000000962036_00204_16290_5164.N1 </td> <td>0 </td> <td>22 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_023911_000001632036_00204_16290_5161.N1 </td> <td>0 </td> <td>45 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_024313_000006282036_00204_16290_5153.N1 </td> <td>0 </td> <td>93 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_025758_000002412036_00204_16290_5160.N1 </td> <td>0 </td> <td>86 </td></tr>
<tr> <td>ASA_GM1_1PNPDE20050412_030611_000001382036_00204_16290_5162.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050410_161611_000003442036_00183_16269_7778.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050410_183358_000002732036_00185_16271_6237.N1 </td> <td>0 </td> <td>42 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
16260
16270
16280
16290
16300
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
200
150
100
50
0
16260
16270
16280
16290
16300
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 : 2005-04-10 06:12:30 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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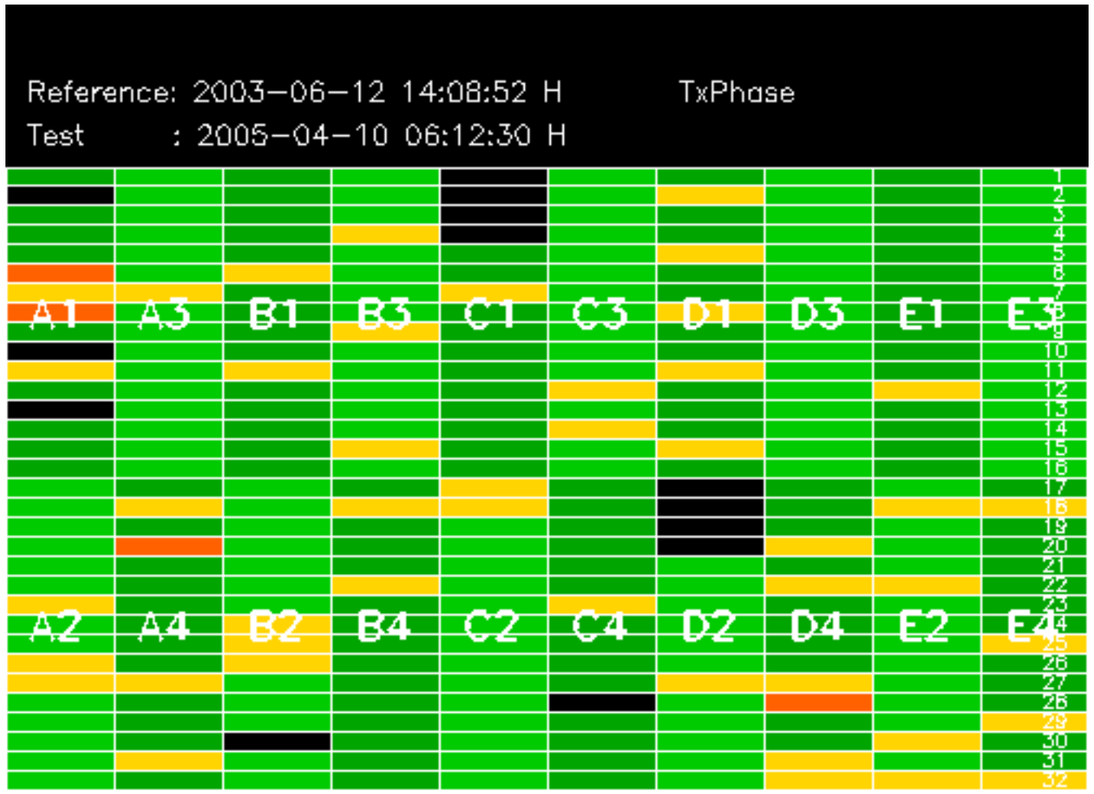
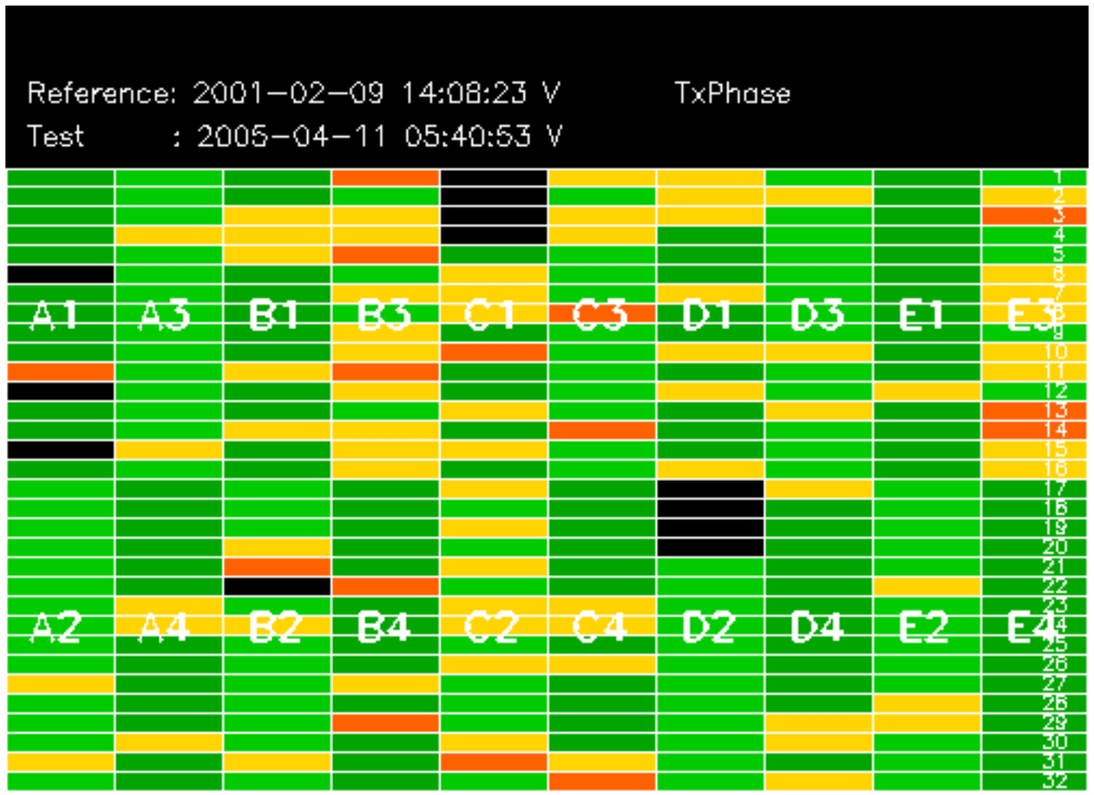
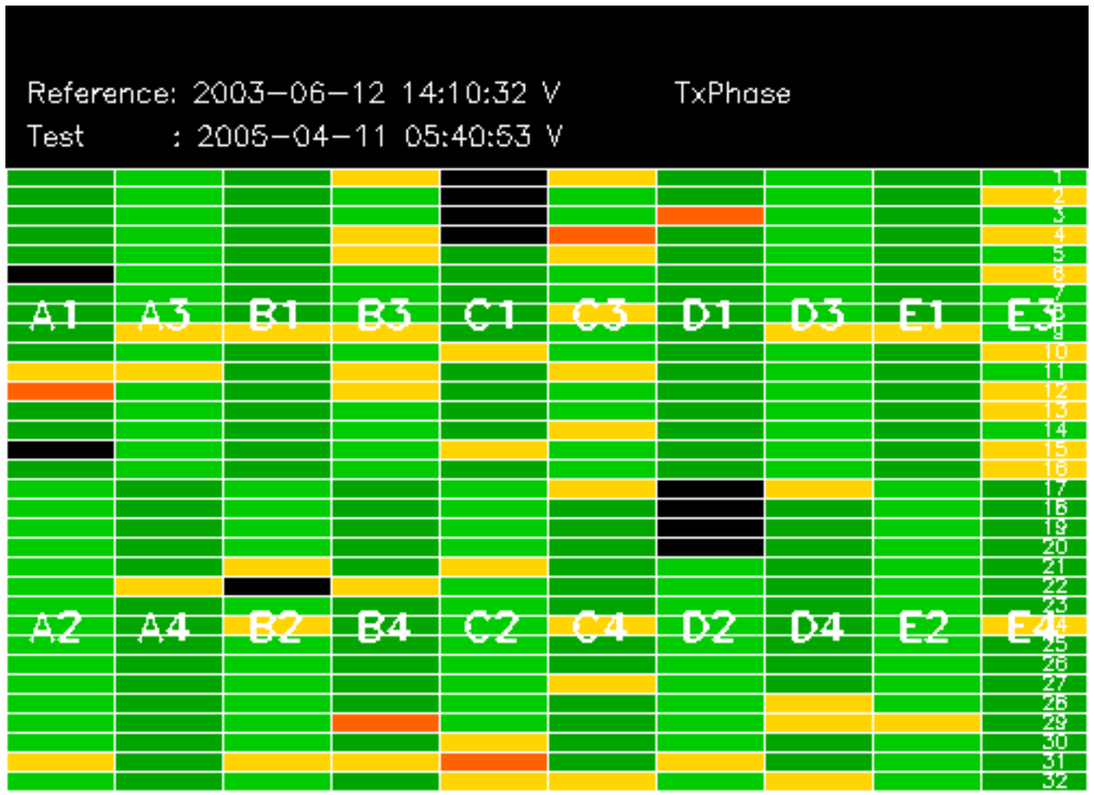
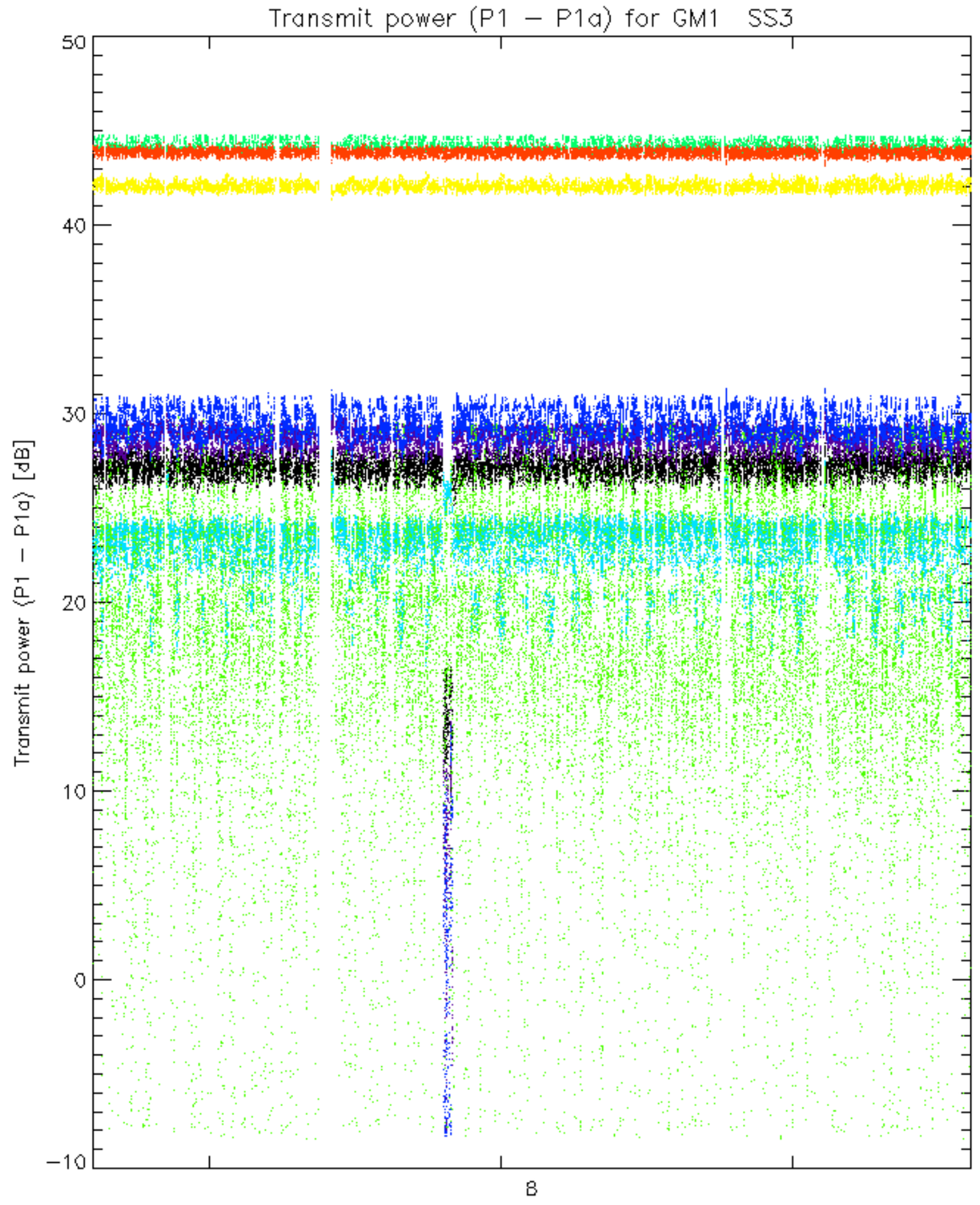
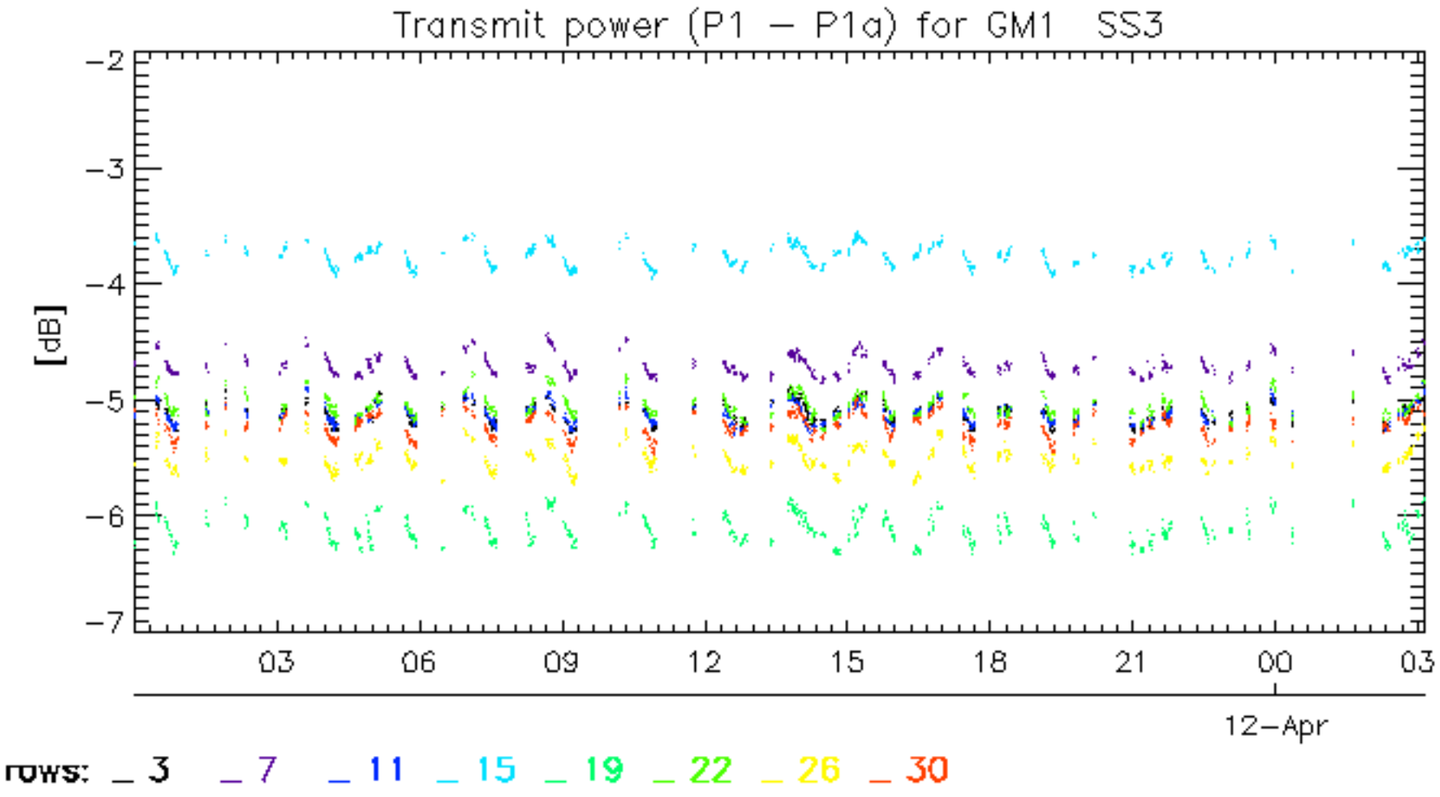
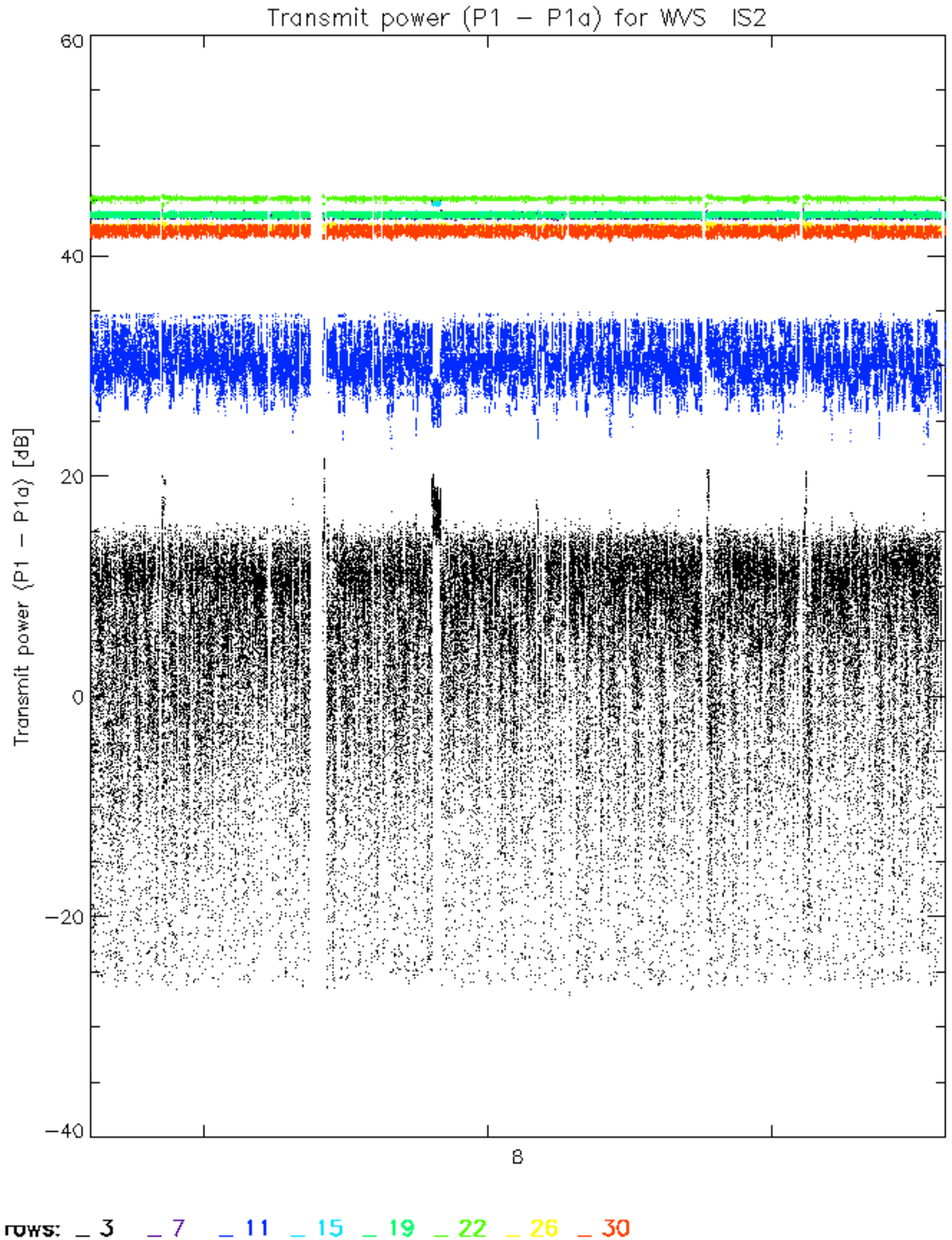

Reference: 2003-06-12 14:08:52 H
Test : 2005-04-10 06:12:30 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

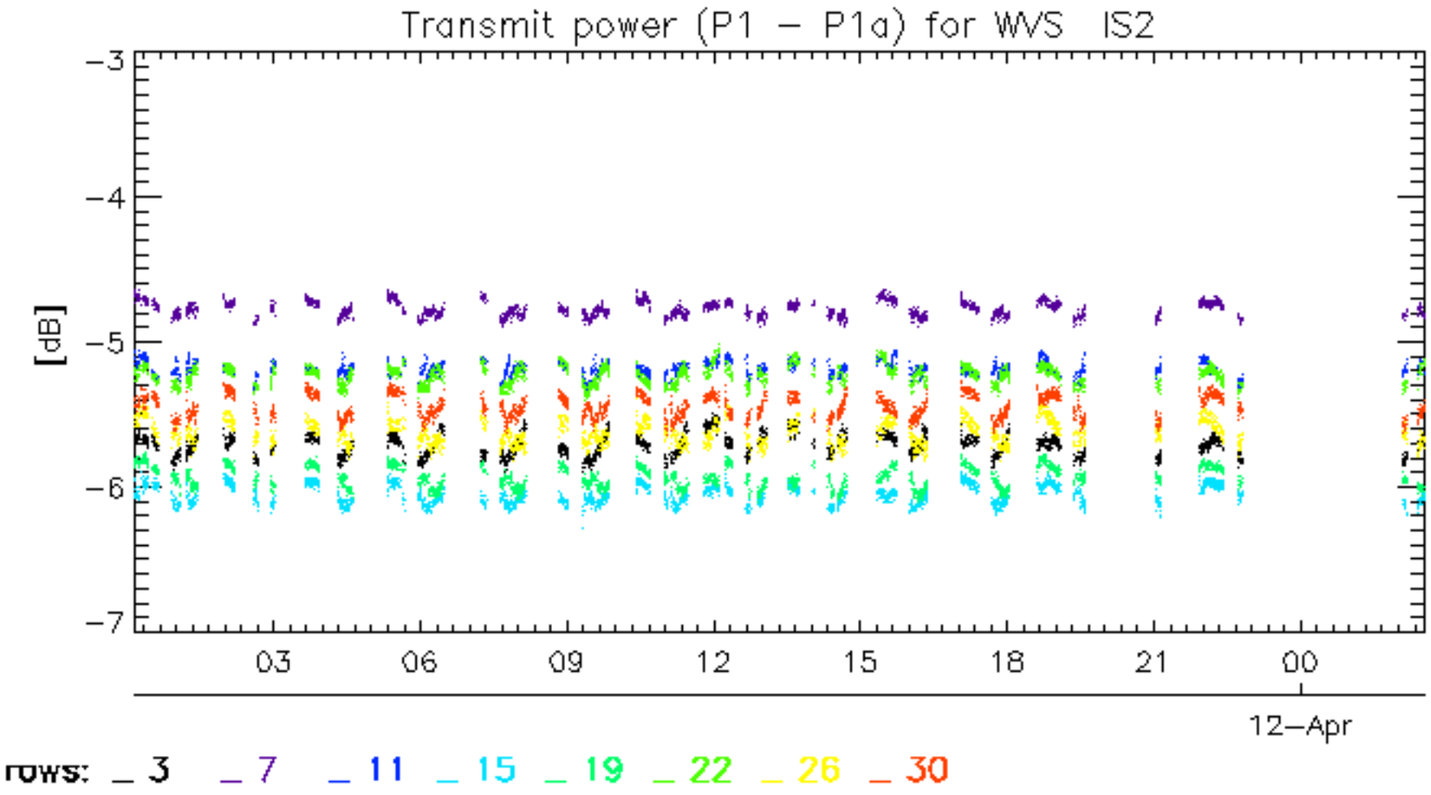

Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2005-04-11 05:40:53 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-04-11 05:40:53 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
8
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
−2
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
00
03
12–Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Transmit power (P1 − P1a) for WVS IS2
60
40
20
0
−20
−40
Transmit power ⟨P1 − P1a⟩ [dB]
8
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
[dB]
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
00
12–Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No unavailabilities during the reported period.