PRELIMINARY REPORT OF 060515

last update on Mon May 15 16:38:42 GMT 2006

1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2006-05-14 00:00:00 to 2006-05-15 16:38:42

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	37	65	13	0	20
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	37	65	13	0	20
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	37	65	13	0	20
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	37	65	13	0	20

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	42	56	58	16	31
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	42	56	58	16	31
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	42	56	58	16	31
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	56	58	16	31

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	20060514 053210
H	20060513 060347

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	-3.970655	0.011750	0.005704
7	P1	-3.065919	0.013569	-0.092350
11	P1	-4.094916	0.015646	-0.050636
15	P1	-6.108332	0.012253	-0.090216
19	P1	-3.309722	0.007824	-0.013136
22	P1	-4.521416	0.011064	-0.022147
26	P1	-4.027421	0.020341	0.099771
30	P1	-5.738969	0.020008	-0.034684
3	P1	-16.657518	0.308835	0.147800
7	P1	-17.007774	0.149132	-0.294633
11	P1	-16.788982	0.322012	-0.427307
15	P1	-13.124901	0.142285	-0.264120
19	P1	-14.172183	0.049452	-0.245845
22	P1	-16.080887	0.455552	-0.251127
26	P1	-15.399576	0.270918	0.396557
30	P1	-16.830698	0.329358	-0.489588

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.275928	0.085169	0.110097
7	P2	-22.171778	0.100299	0.137361
11	P2	-16.014856	0.111676	0.150662
15	P2	-7.164540	0.095695	-0.027505
19	P2	-9.154573	0.088777	-0.033350
22	P2	-18.068857	0.087565	-0.132282
26	P2	-16.322645	0.092924	-0.117418
30	P2	-19.601355	0.086861	0.000186

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.189823	0.004295	-0.015319
7	P3	-8.189823	0.004295	-0.015319
11	P3	-8.189823	0.004295	-0.015319
15	P3	-8.189823	0.004295	-0.015319
19	P3	-8.189823	0.004295	-0.015319
22	P3	-8.189823	0.004295	-0.015319
26	P3	-8.189841	0.004296	-0.015295
30	P3	-8.189841	0.004296	-0.015295

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	-3.744396	0.038536	0.020385
7	P1	-2.649485	0.101304	0.119316
11	P1	-2.877429	0.031249	0.057574
15	P1	-3.508199	0.029584	0.051378
19	P1	-3.384701	0.013910	-0.016888
22	P1	-5.112090	0.022468	0.061964
26	P1	-5.819425	0.022750	-0.046889
30	P1	-5.182275	0.044909	-0.012184
3	P1	-11.592071	0.136032	0.013803
7	P1	-9.980691	0.156558	0.009713
11	P1	-10.220866	0.083484	0.078346
15	P1	-10.667083	0.129009	0.157465
19	P1	-15.462277	0.088636	-0.086655
22	P1	-20.731850	1.290612	-0.467633

26	P1	-16.414846	0.407003	-0.242805
30	P1	-18.200470	0.488096	0.425727

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.943319	0.069870	0.079956
7	P2	-22.509995	0.177629	-0.067585
11	P2	-11.191869	0.050376	-0.008644
15	P2	-4.875720	0.042940	-0.073517
19	P2	-6.862648	0.042203	-0.044156
22	P2	-8.161730	0.054296	-0.077617
26	P2	-24.060080	0.125080	-0.104601
30	P2	-22.051735	0.086198	-0.022772

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.023895	0.003803	-0.005032
7	P3	-8.023943	0.003822	-0.005612
11	P3	-8.024061	0.003797	-0.005172
15	P3	-8.023757	0.003819	-0.004802
19	P3	-8.024012	0.003816	-0.005177
22	P3	-8.023964	0.003813	-0.005218
26	P3	-8.023787	0.003802	-0.004895
30	P3	-8.023875	0.003806	-0.004909

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	0.000540499
	stdev	1.88107e-07
MEAN Q	mean	0.000512486
	stdev	2.27671e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135411
	stdev	0.00119044
STDEV Q	mean	0.135762
	stdev	0.00120746

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006051[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_IMM_1PNPDE20060513_182646_000000352047_00371_21968_4970.N1	0	15
ASA_IMM_1PNPDK20060514_125915_000001272047_00382_21979_1748.N1	1	0
ASA_WSM_1PNPDE20060514_014737_000000862047_00375_21972_9156.N1	0	45
ASA_WSM_1PNPDK20060513_052729_000000122047_00363_21960_4998.N1	0	472
ASA_WSM_1PNPDK20060513_103058_000001292047_00366_21963_4958.N1	0	15

ASA_APM_1PNPDE20060513_004223_000000562047_00360_21957_2192.N1	0	19

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

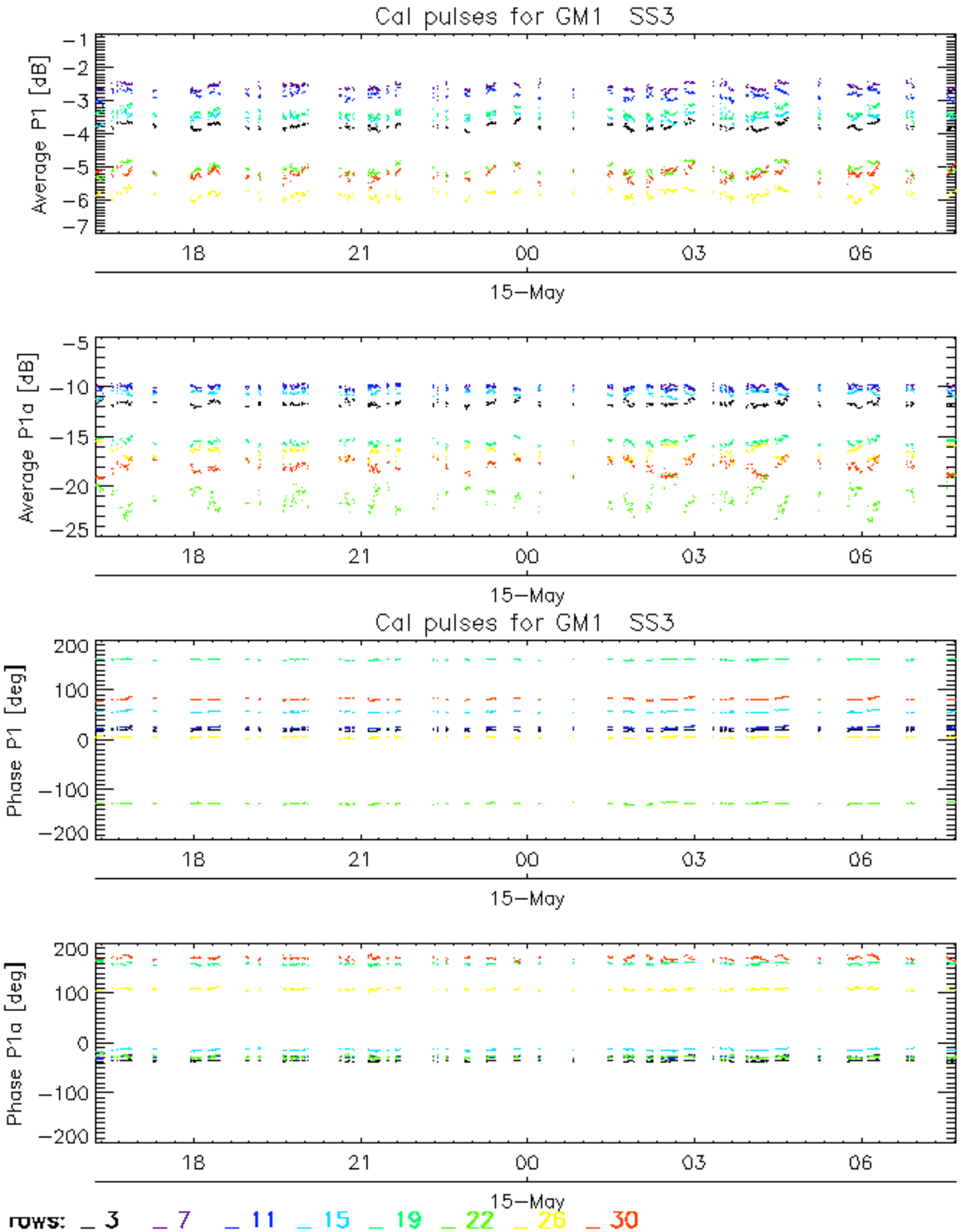
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

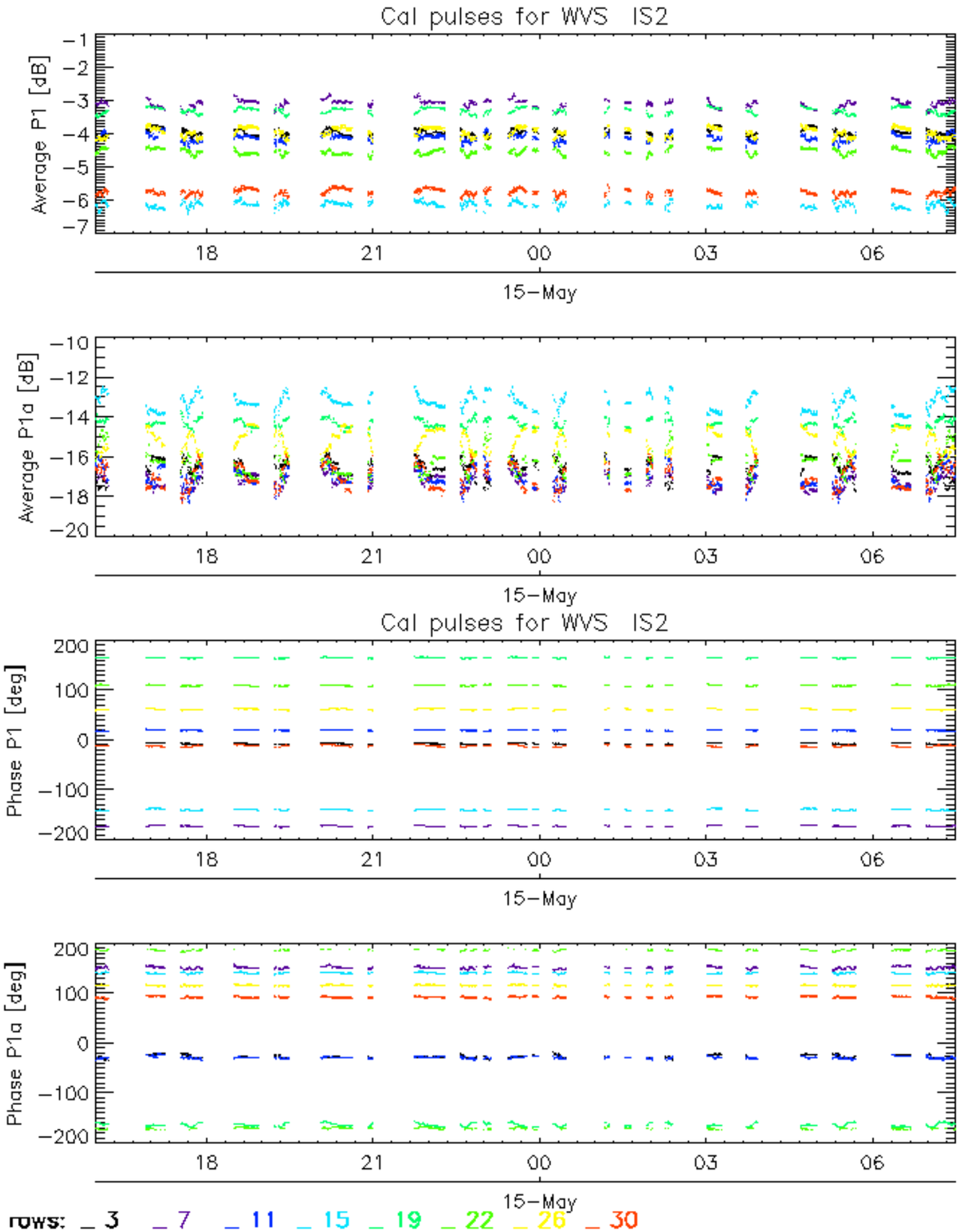
7.5 - Absolute Doppler for GM1

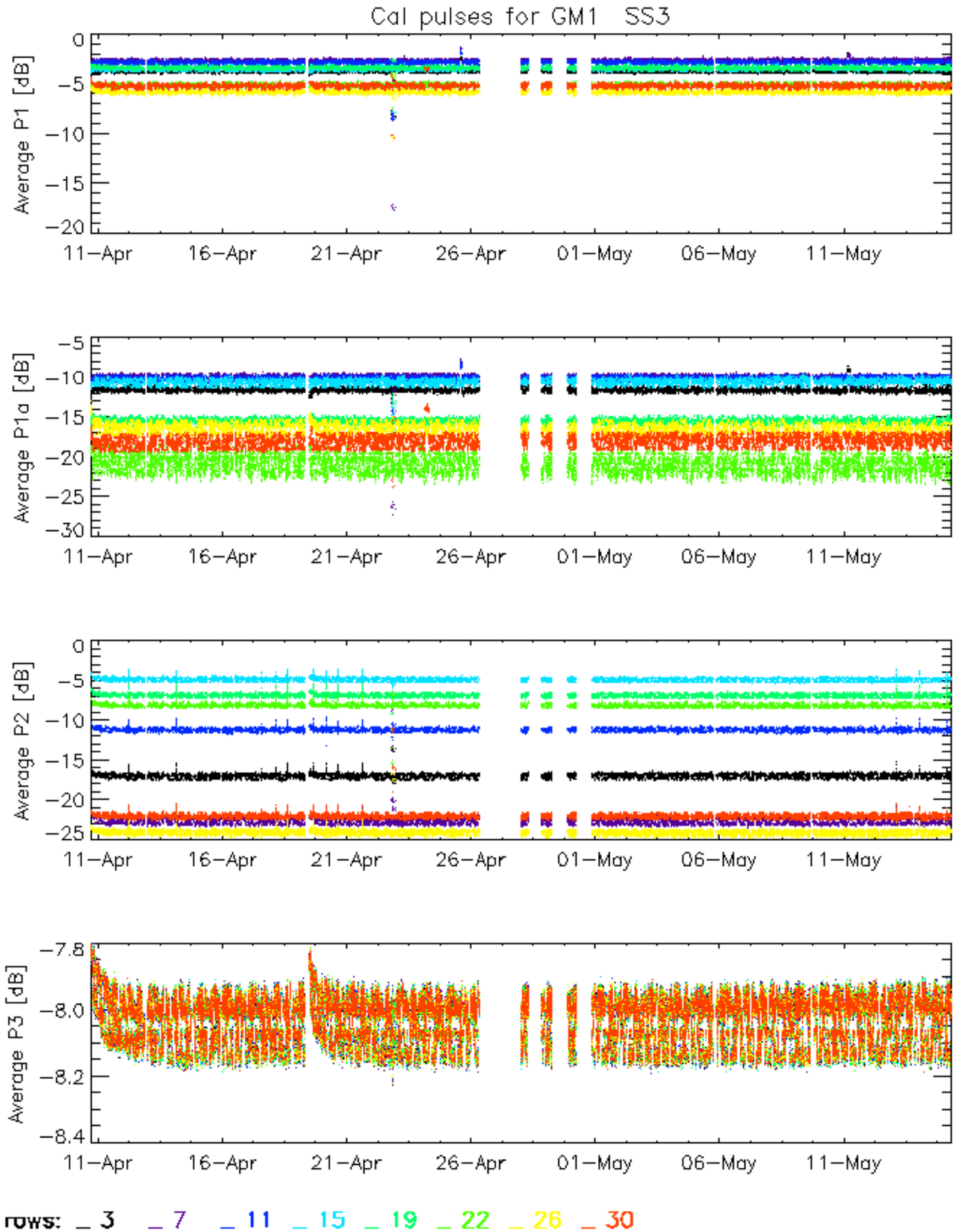
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

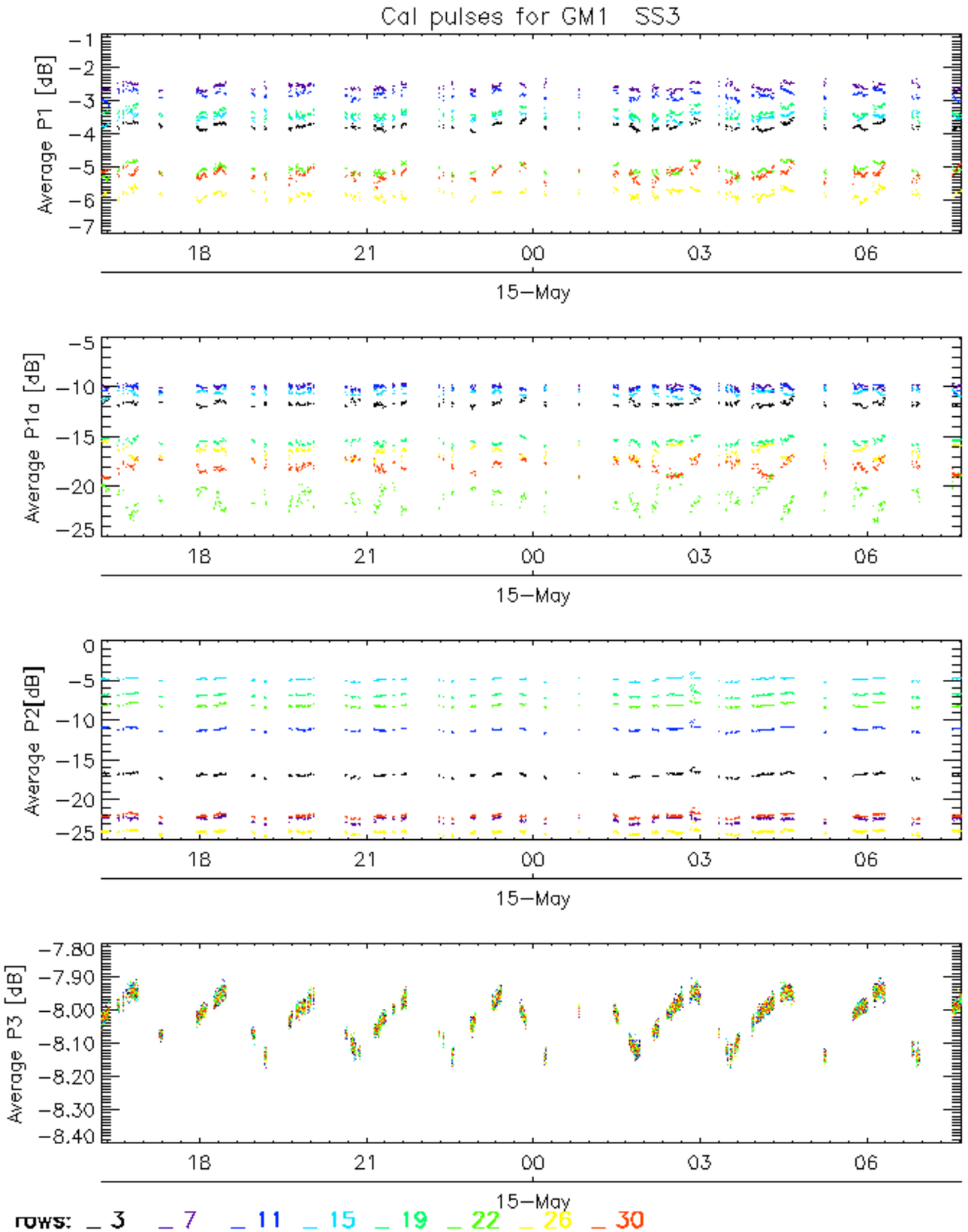
7.6 - Doppler evolution versus ANX for GM1

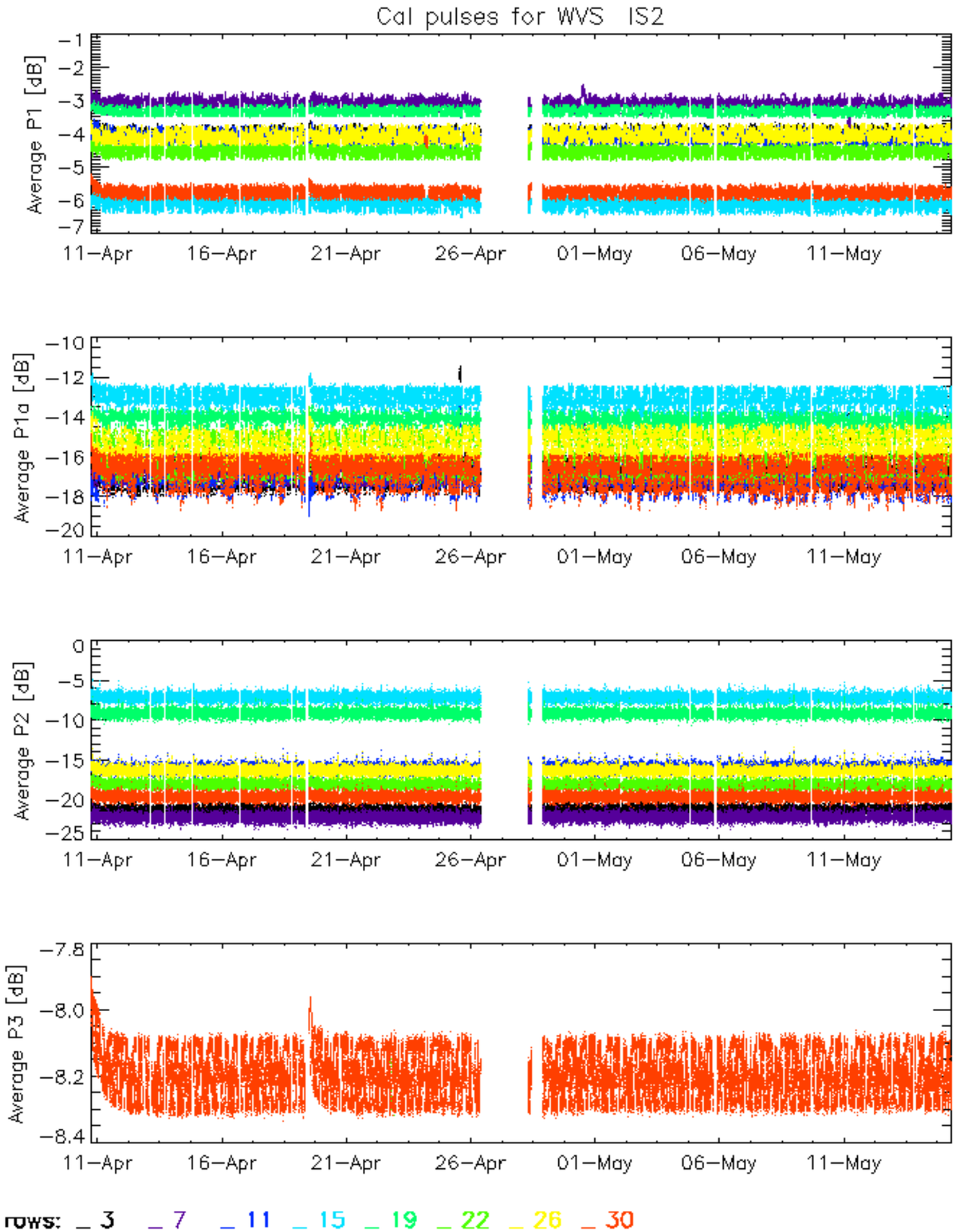
Evolution Doppler error versus ANX
☒

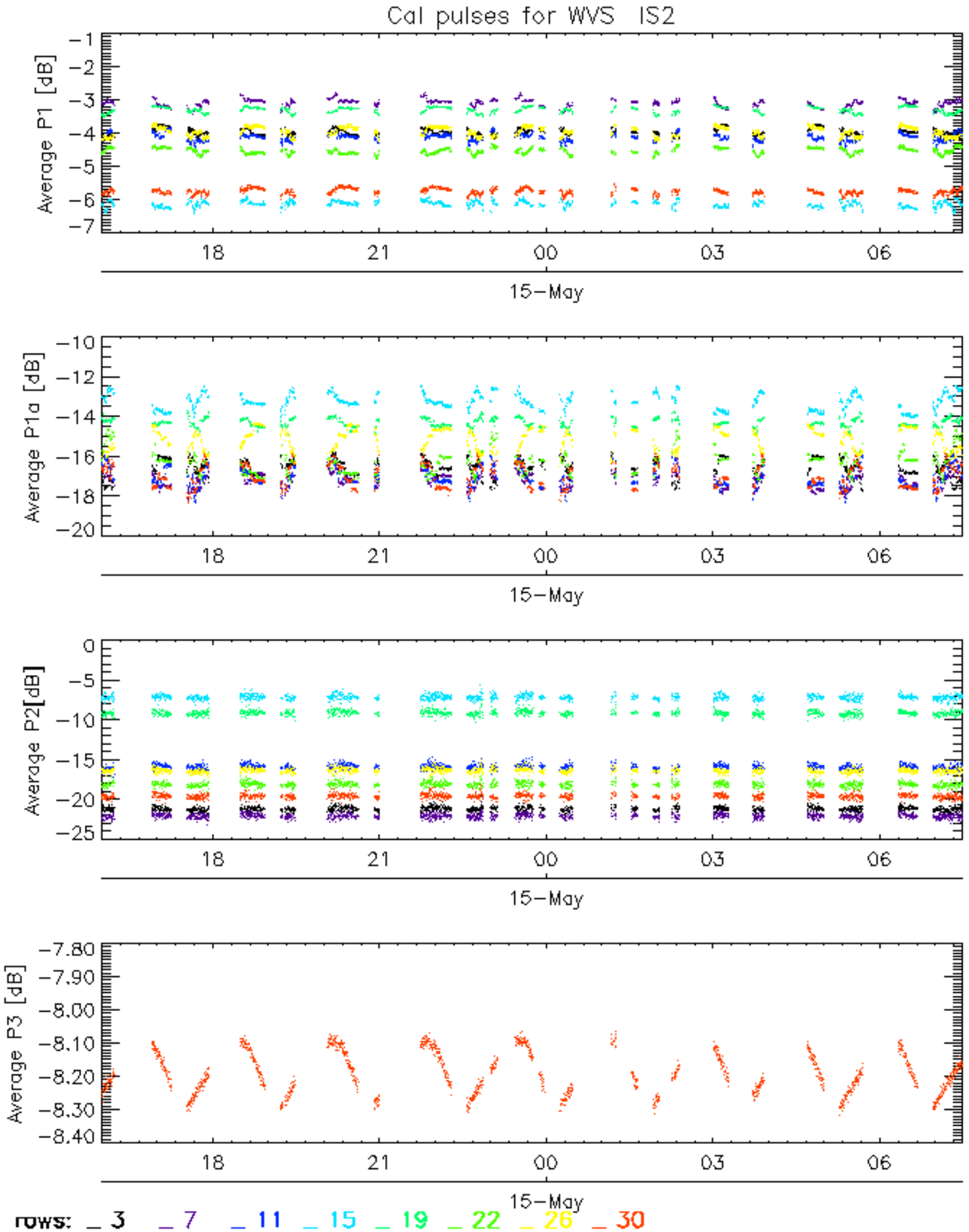

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−May
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
15−May
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
15−May
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
15−May
rows: _ 3 _ 7 _ 11 _ 15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


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

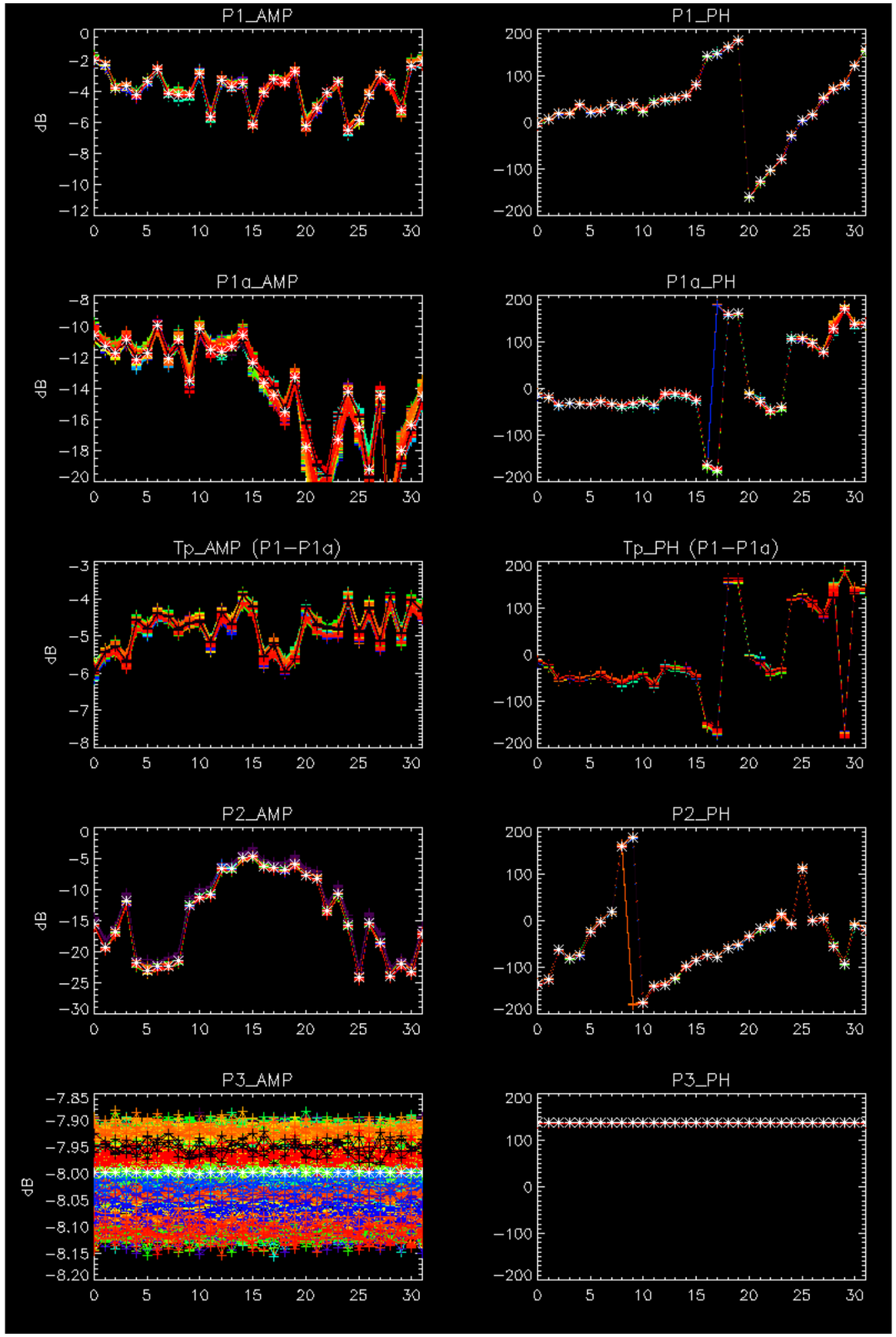

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−May
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
15−May
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
15−May
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
15−May
rows: _ 3 _ 7 _ 11 _ 15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

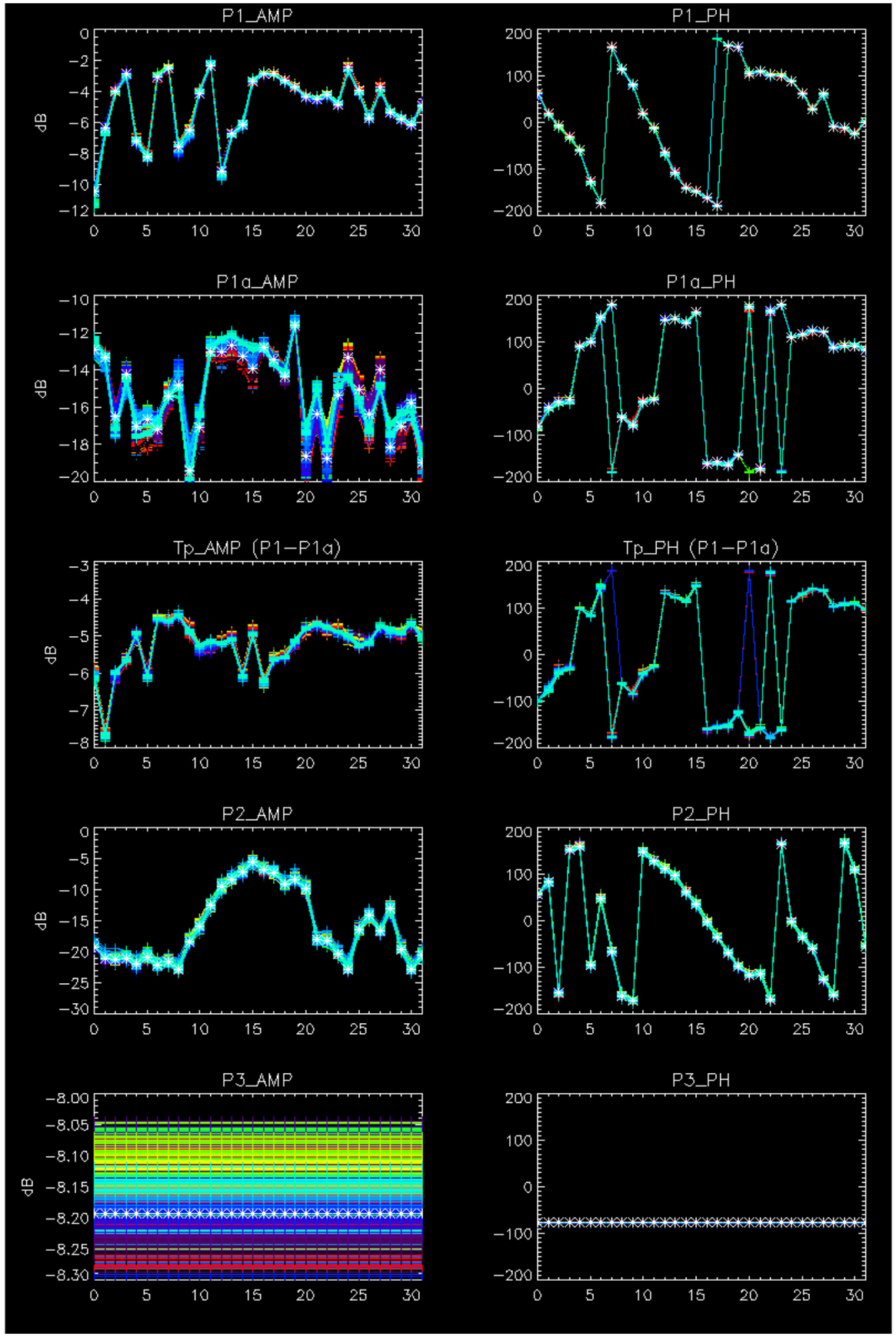

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

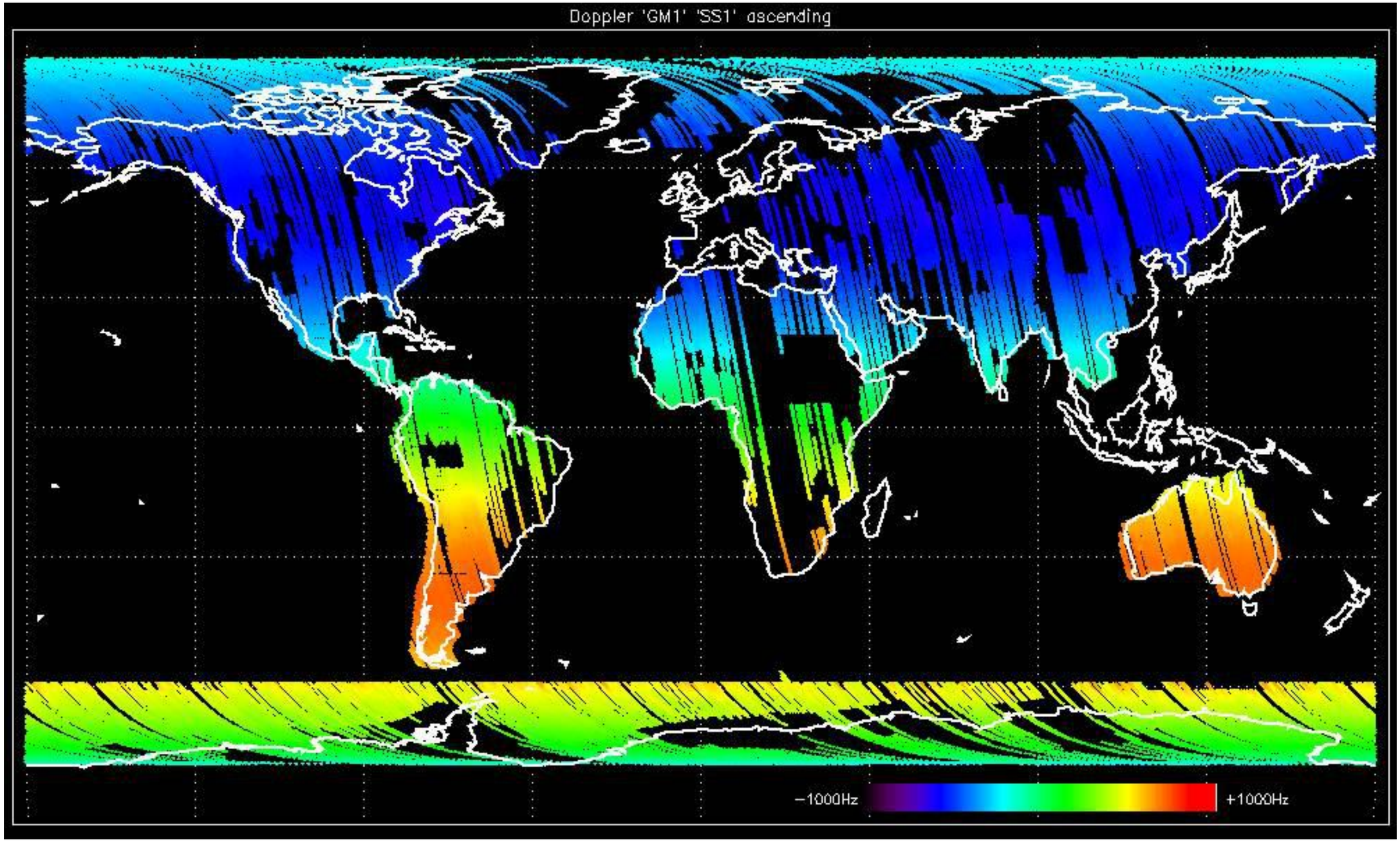
No anomalies observed.

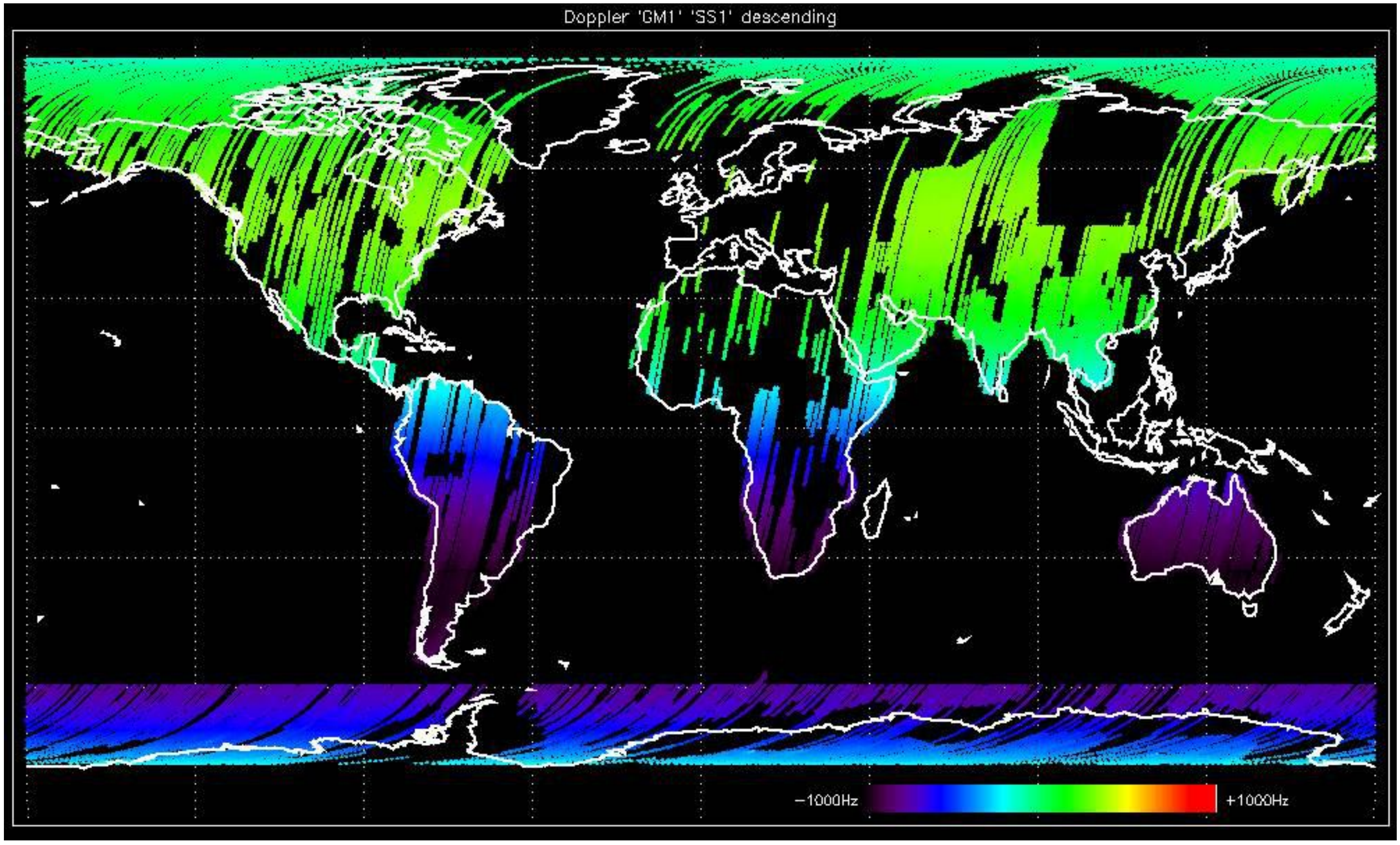

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

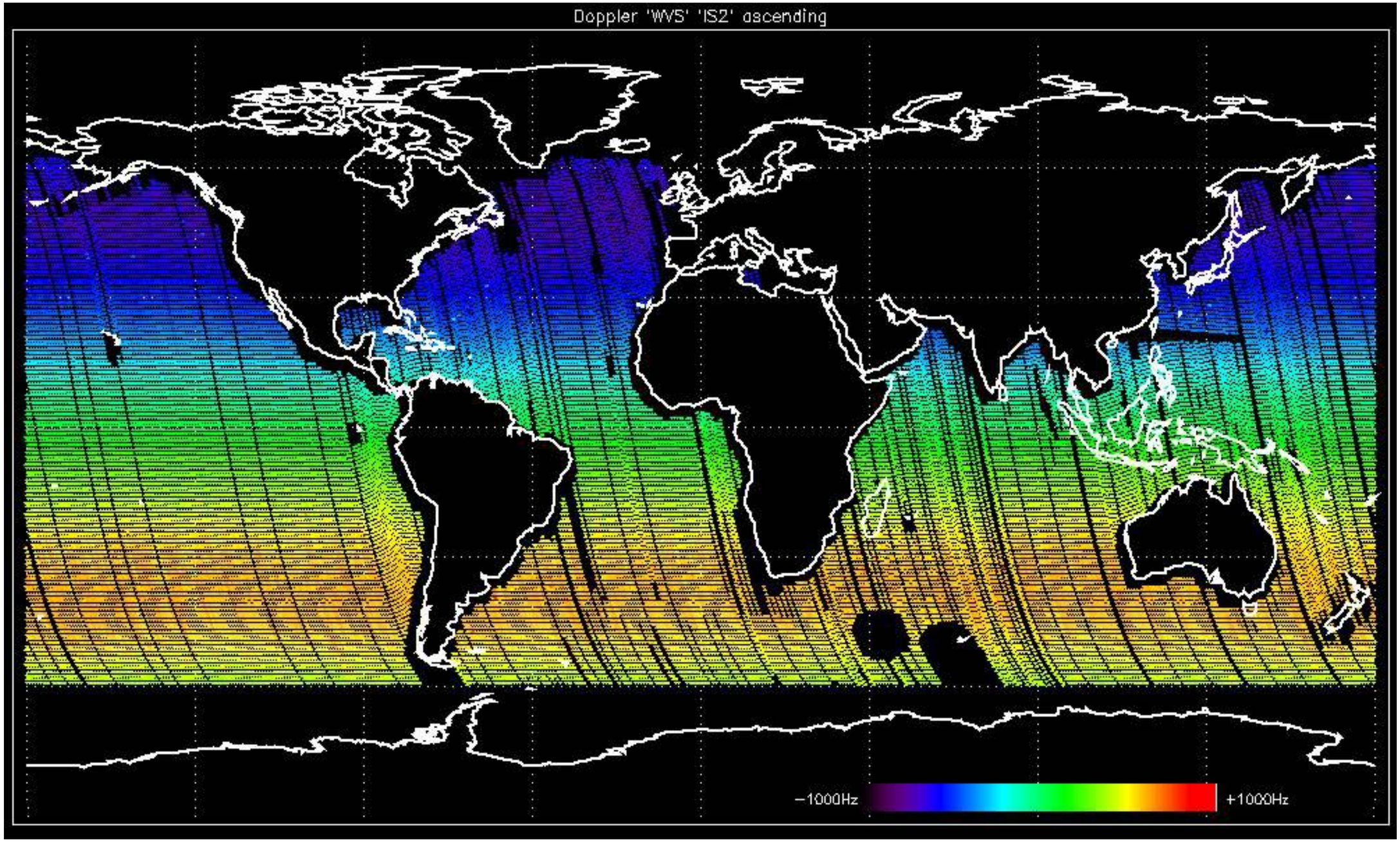

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

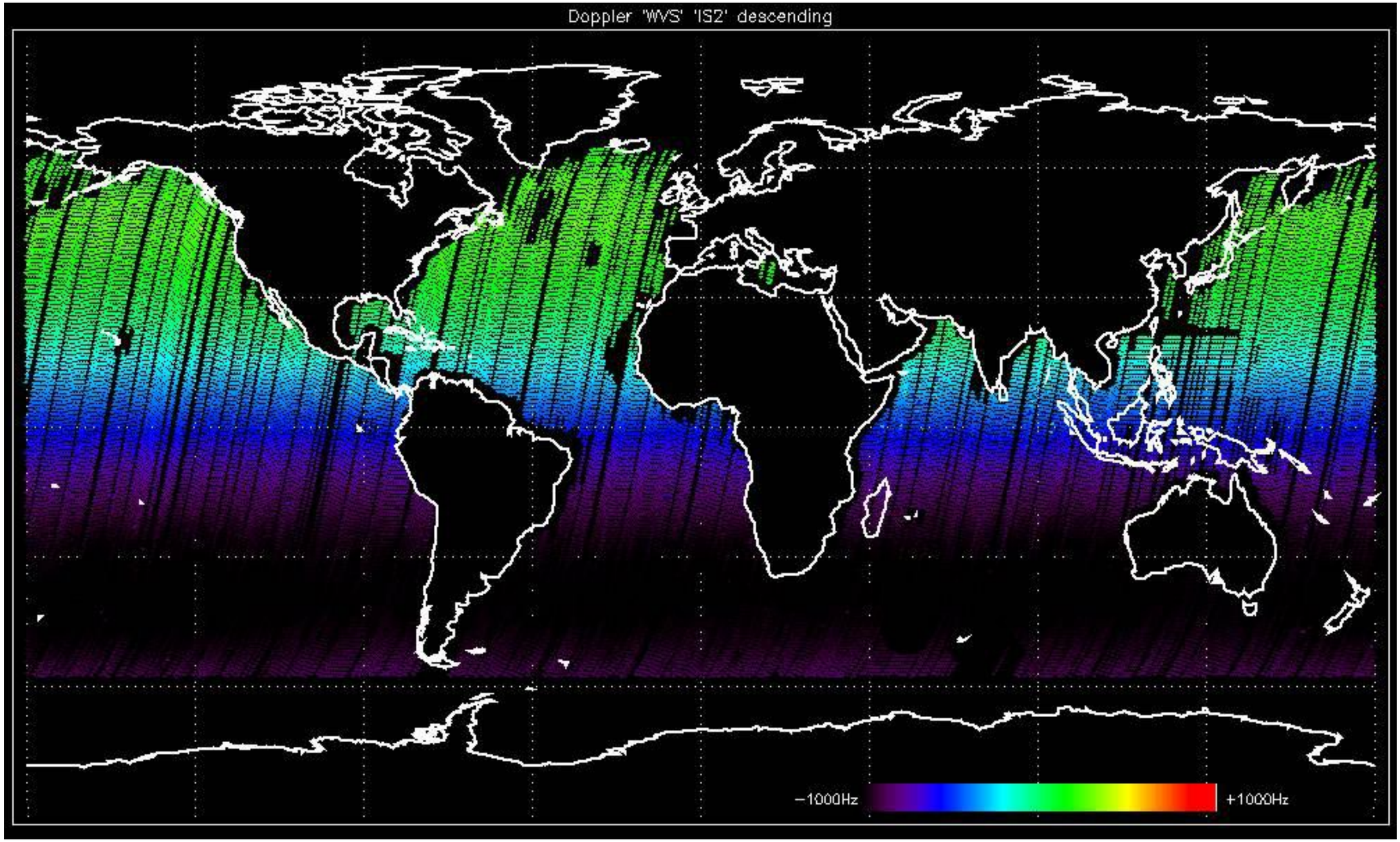
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

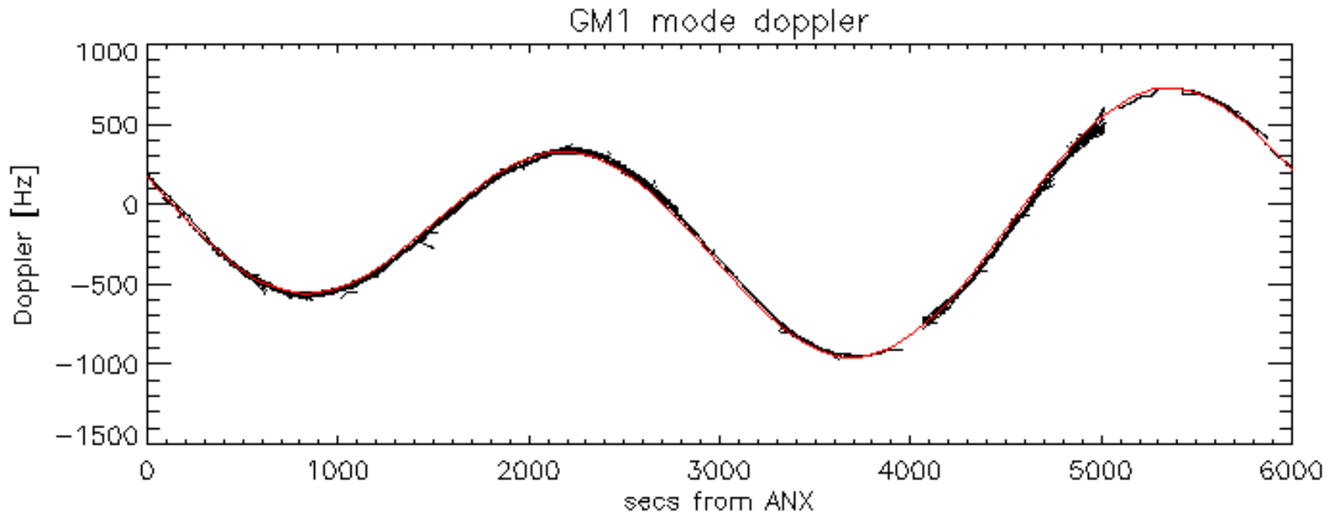
Preliminary report.The data is not yet controled

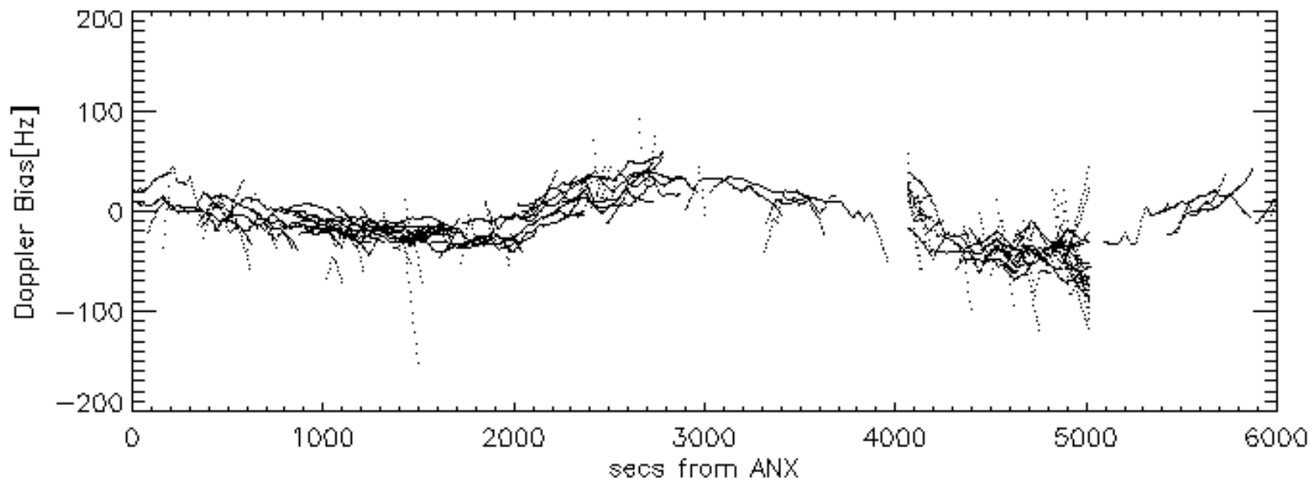

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

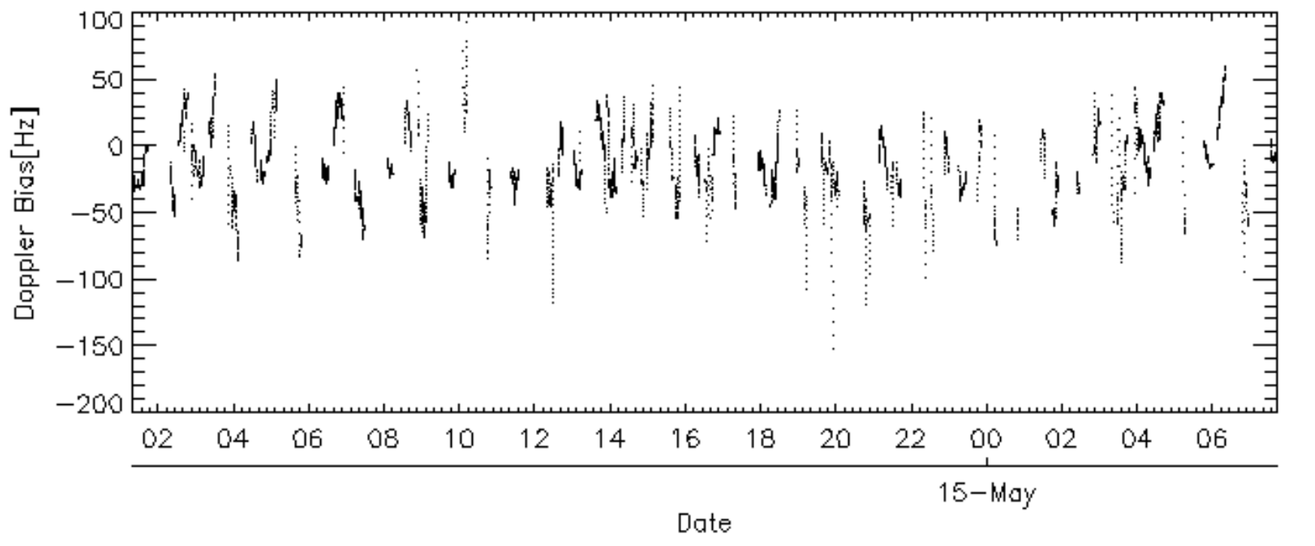

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

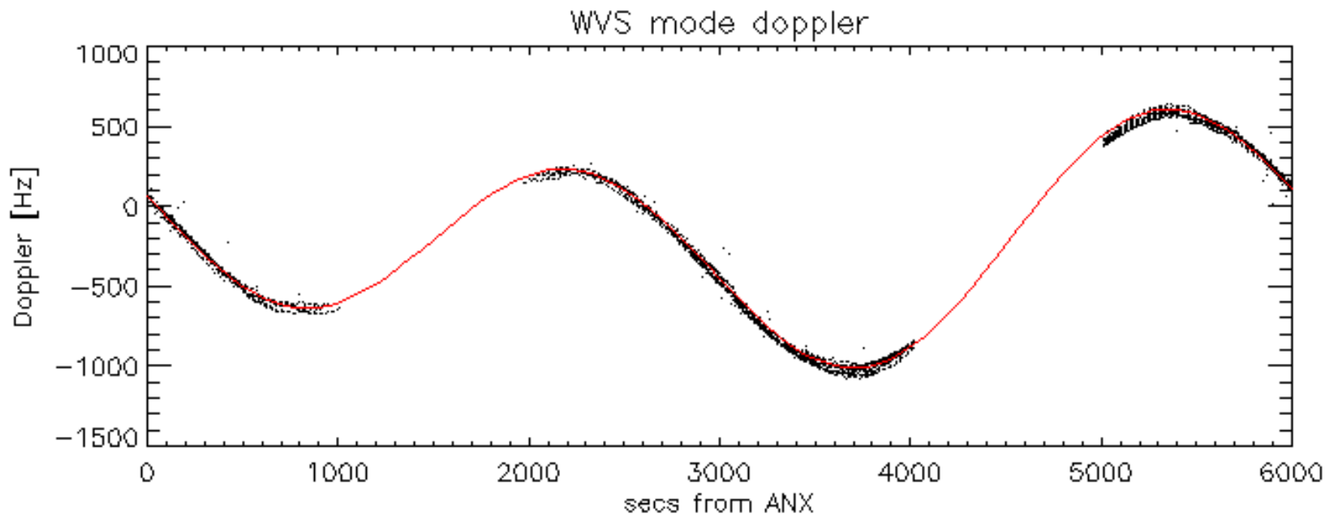

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

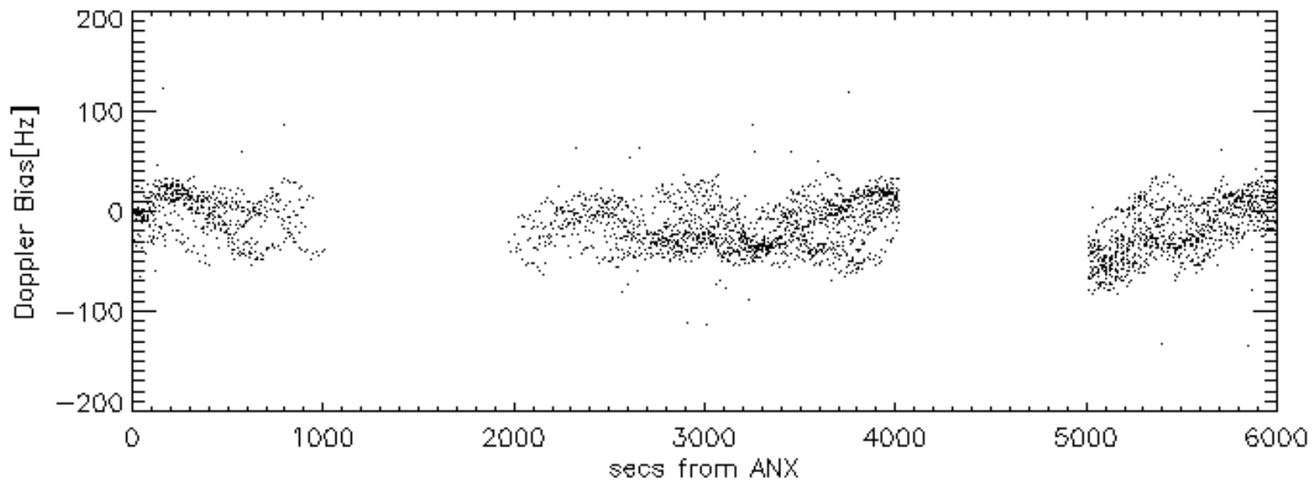

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

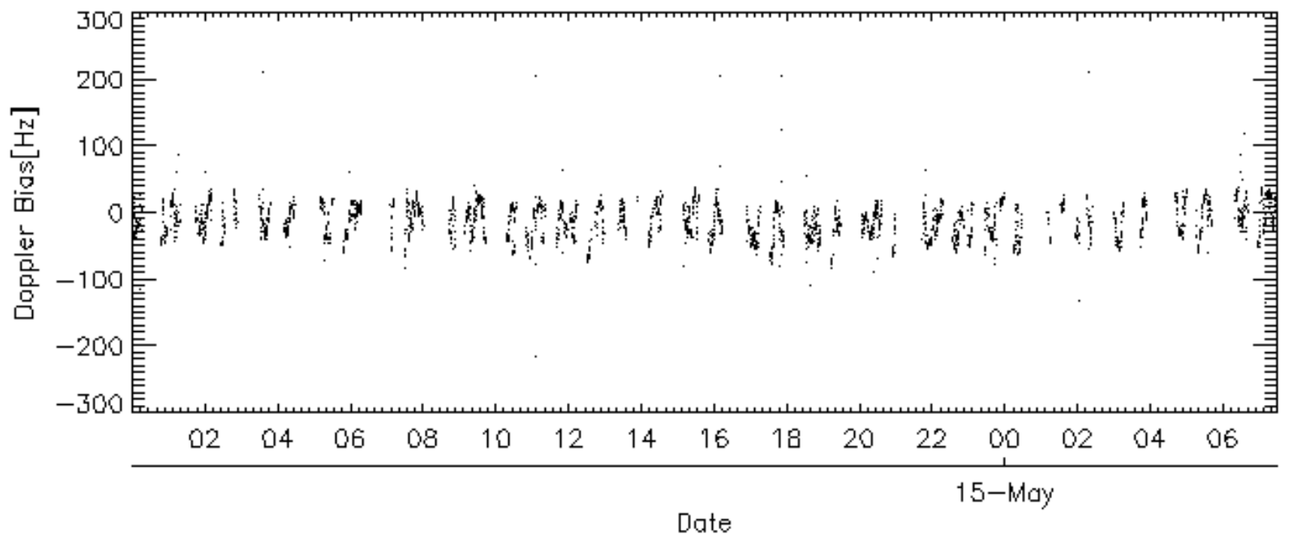

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

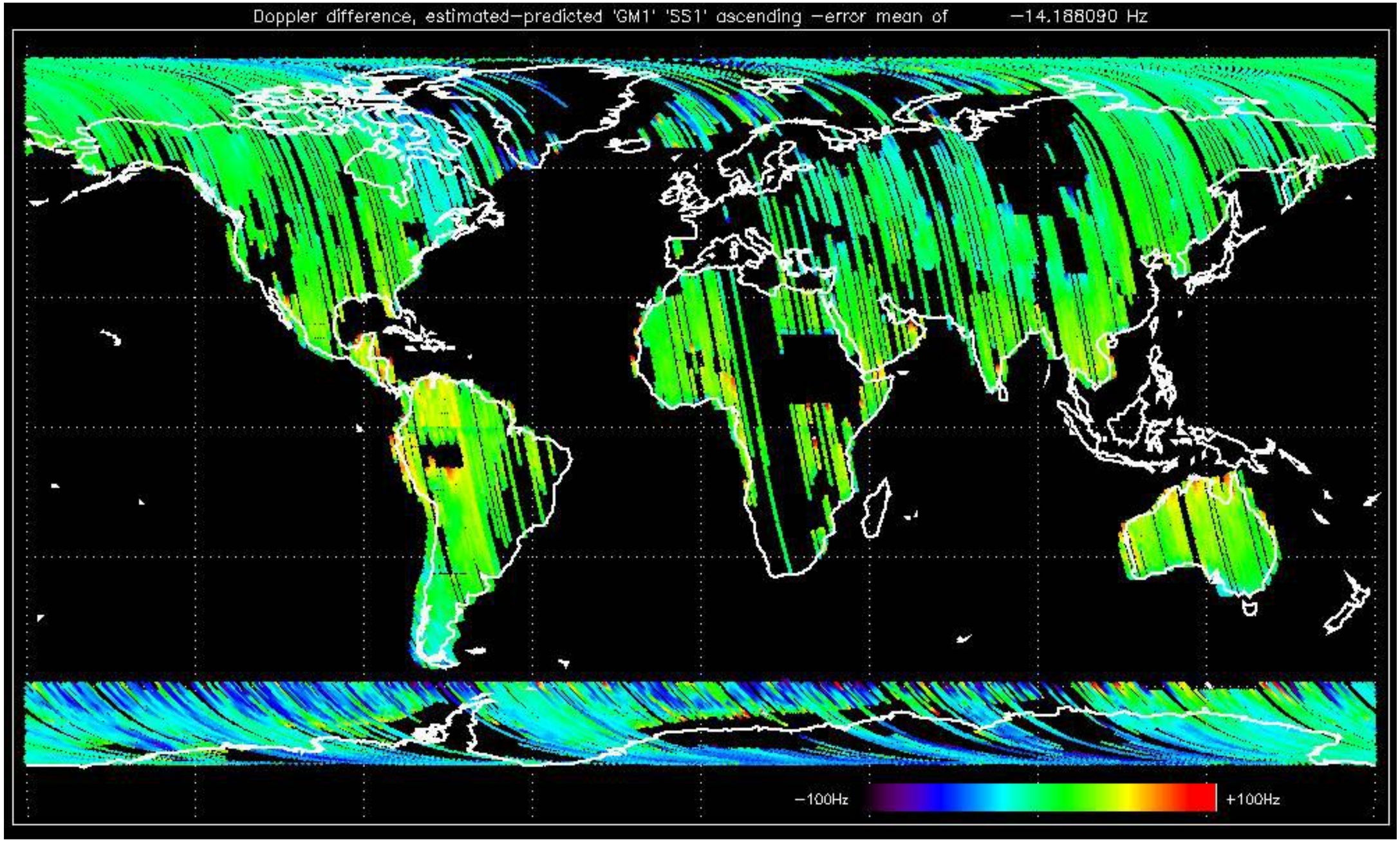

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

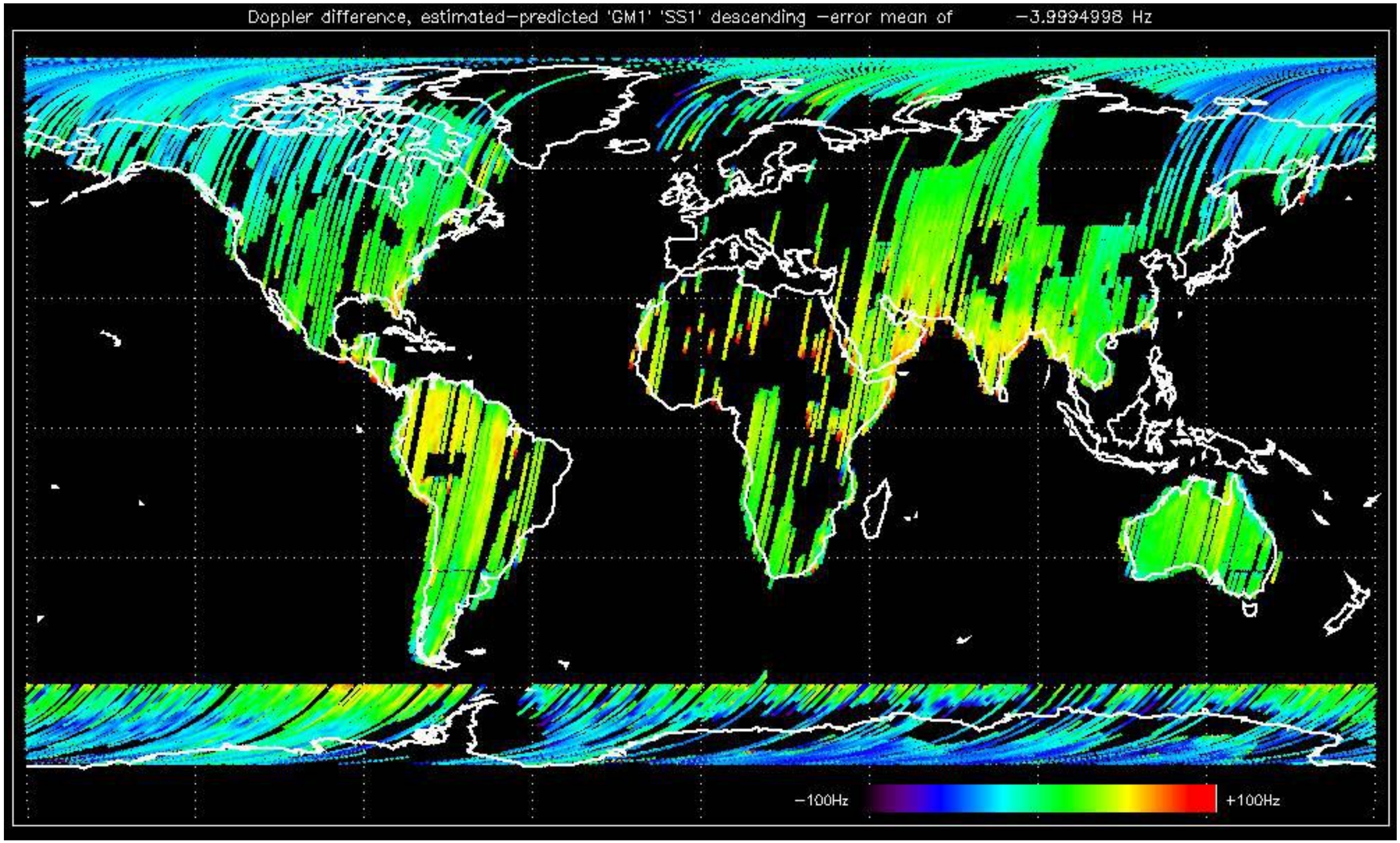

Doppler Bias[Hz]
100
50
0
−50
−100
−150
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
15−May
Date

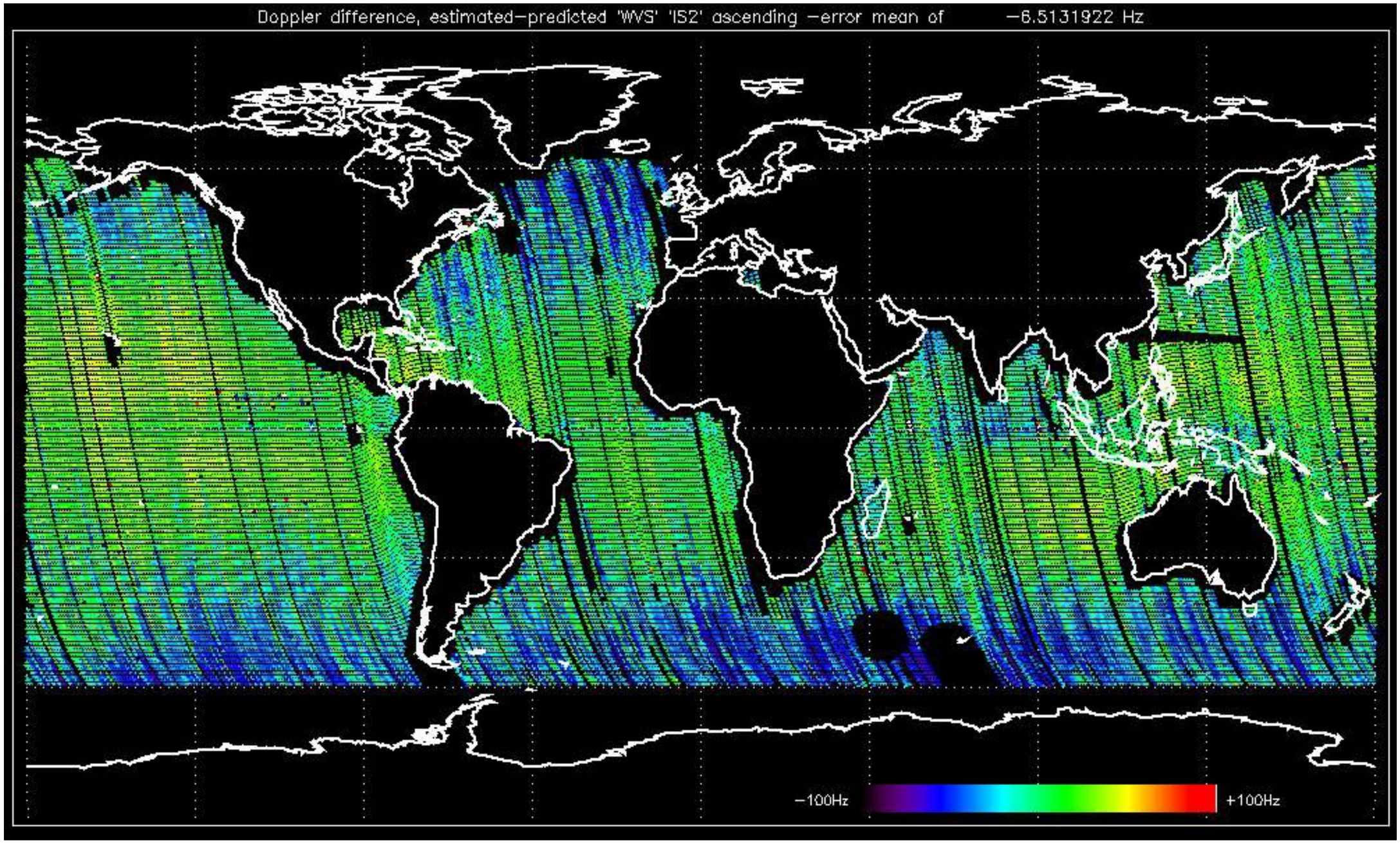

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

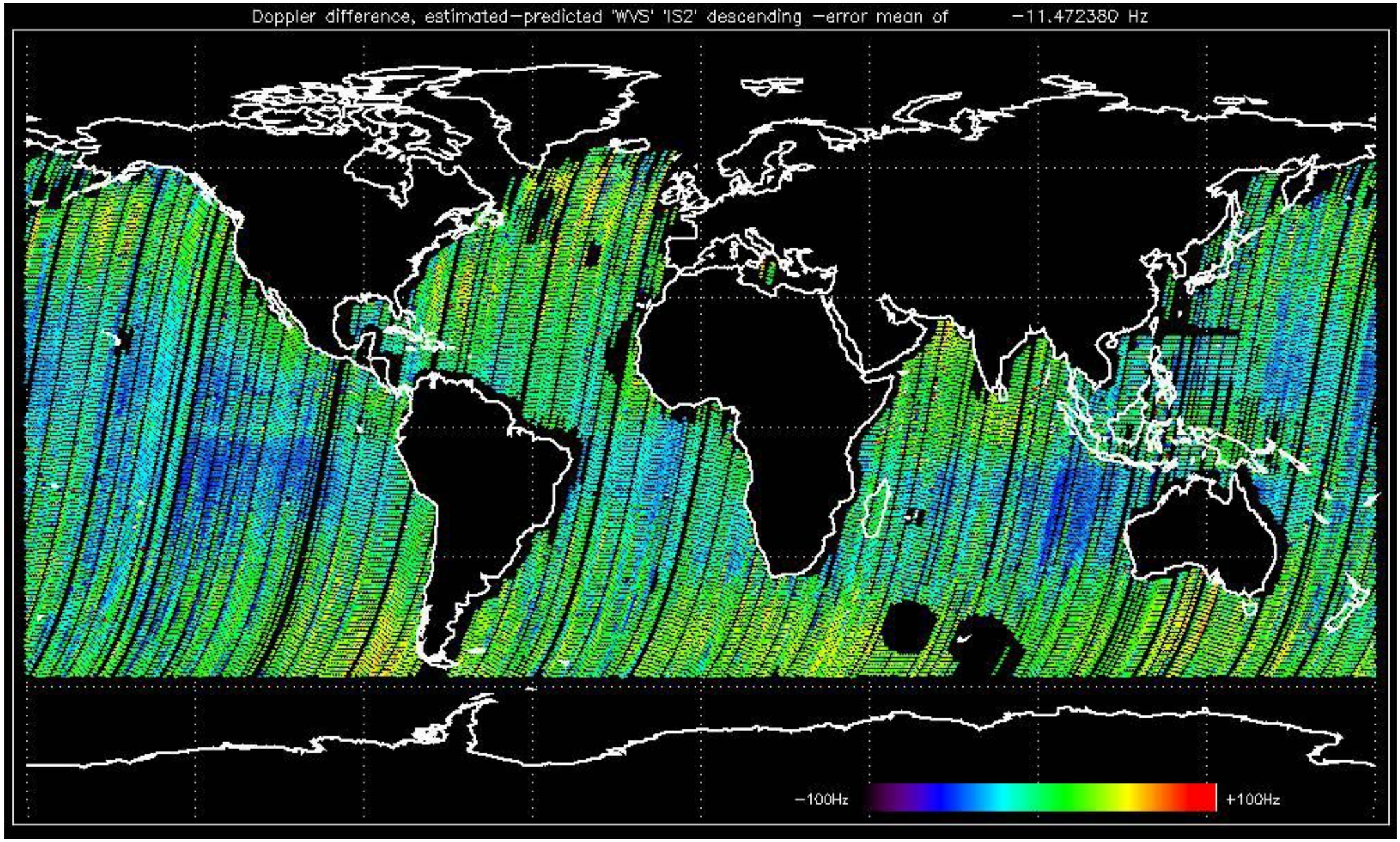

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
15−May
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −14.188090 Hz
−100Hz
+100Hz

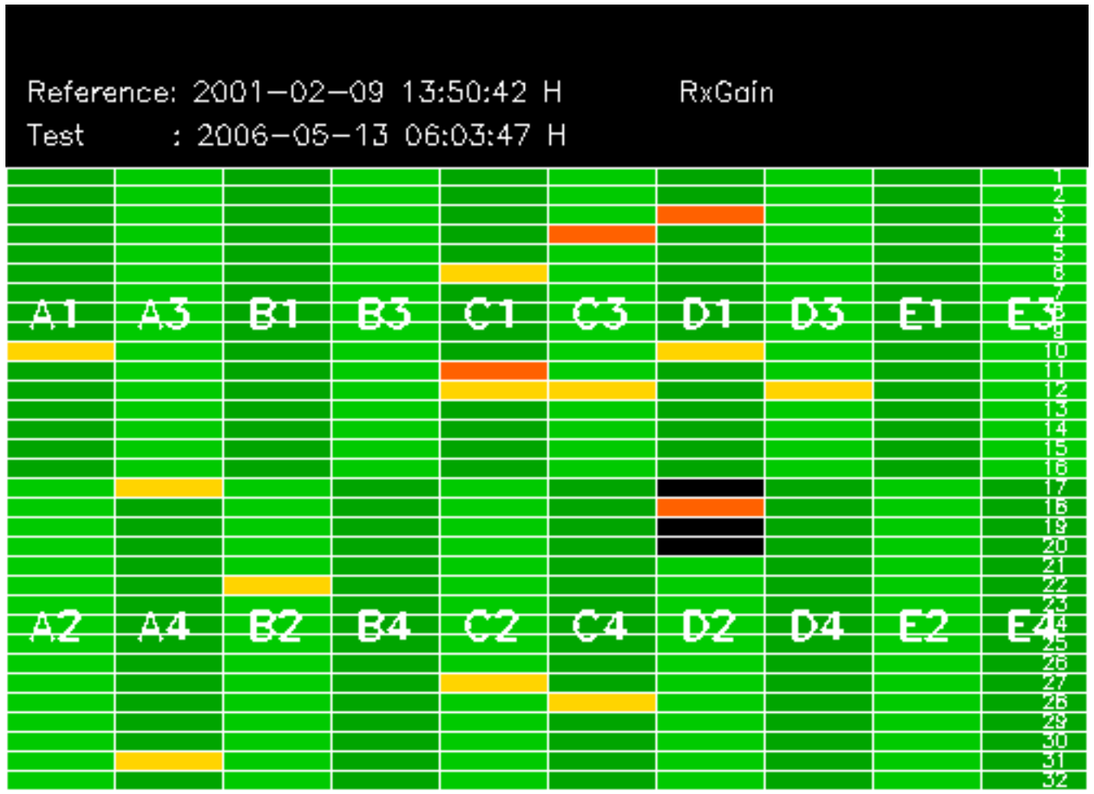

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -3.9994998 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.5131922 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.472380 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-05-13 06:03:47 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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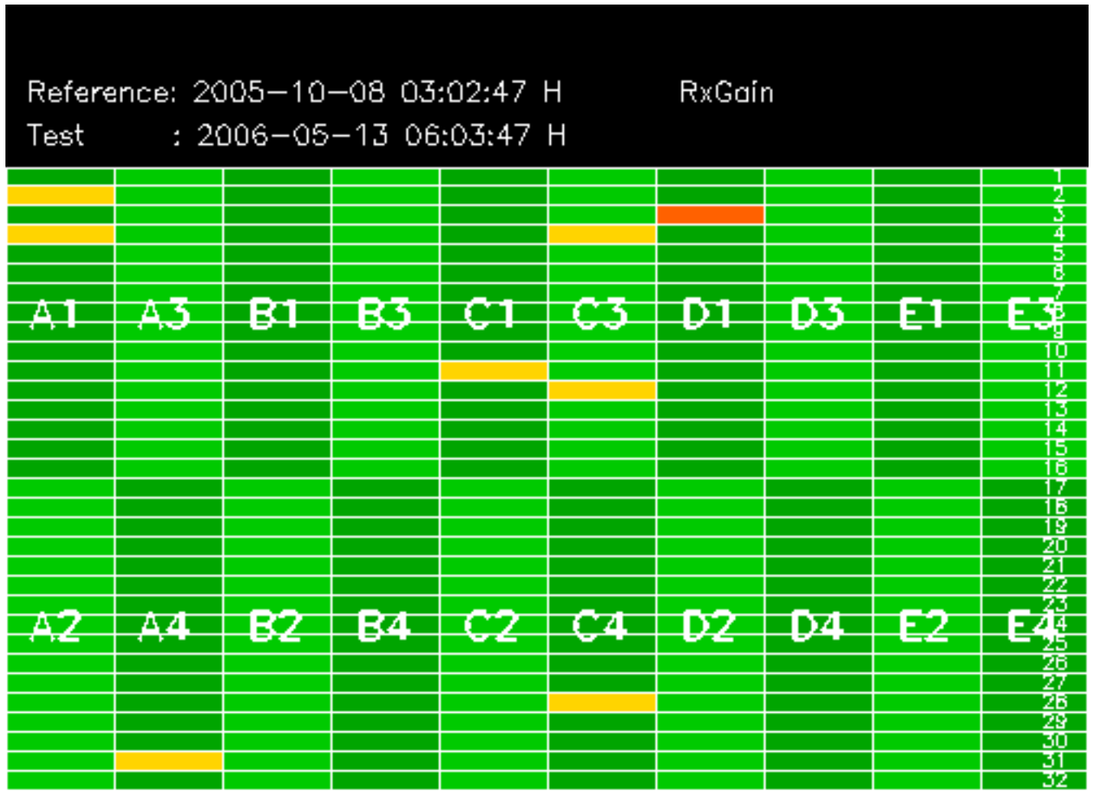
Reference: 2005-10-08 03:02:47 H
Test : 2006-05-13 06:03:47 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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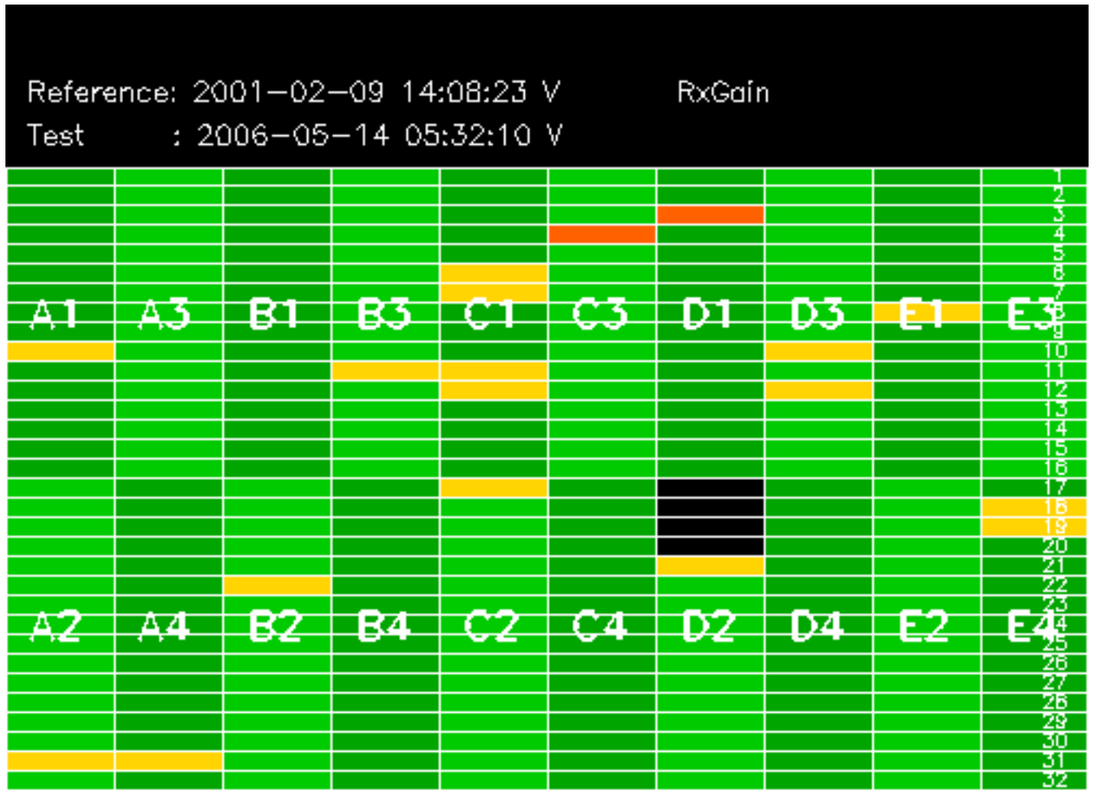
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-14 05:32:10 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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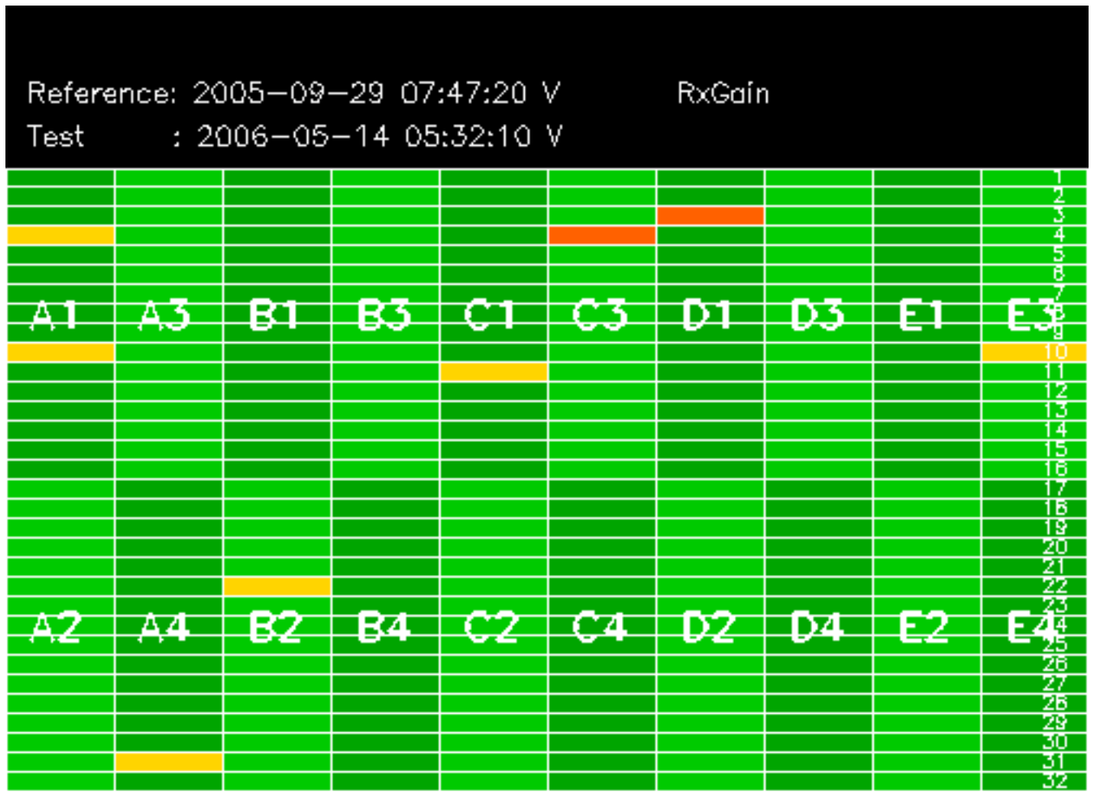
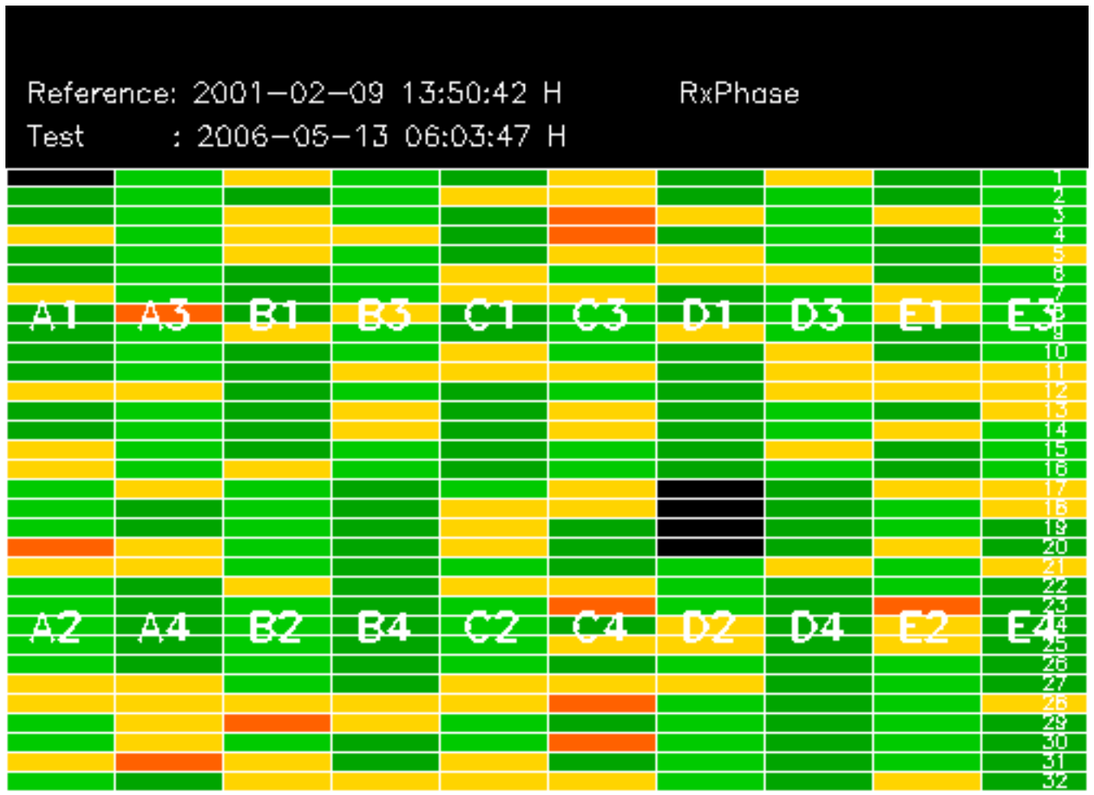

Reference: 2005-09-29 07:47:20 V
Test : 2006-05-14 05:32:10 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-05-13 06:03:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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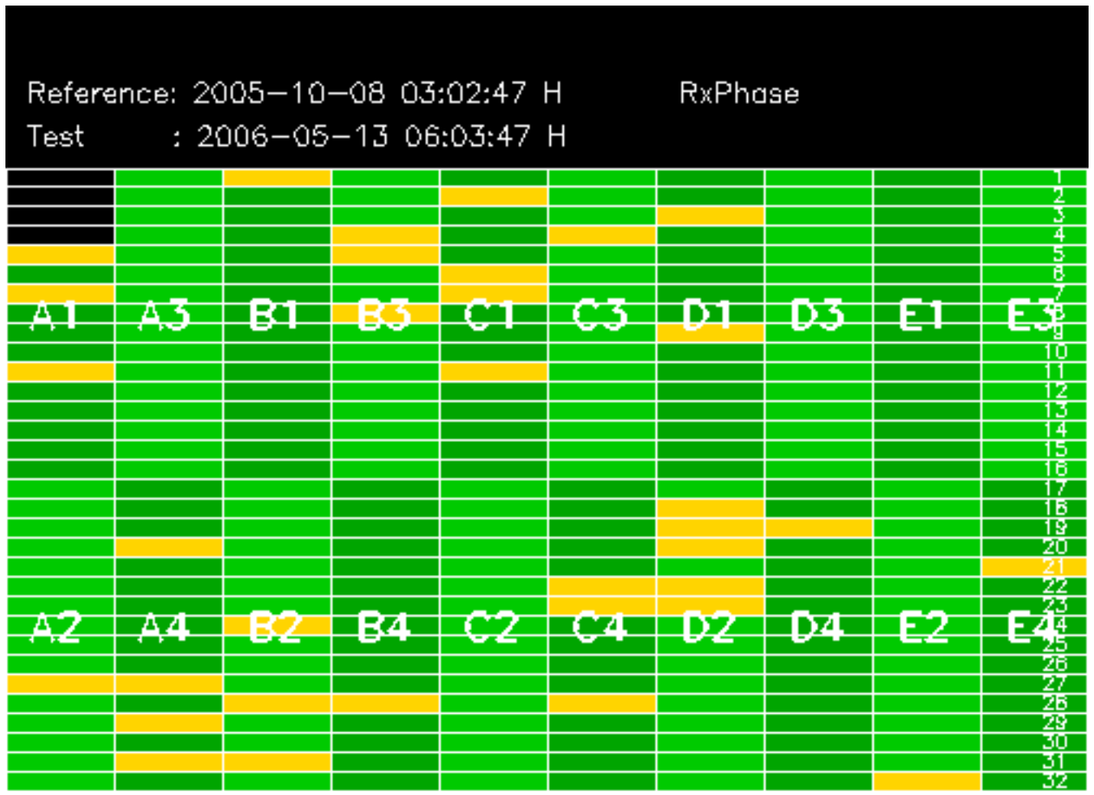
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-05-13 06:03:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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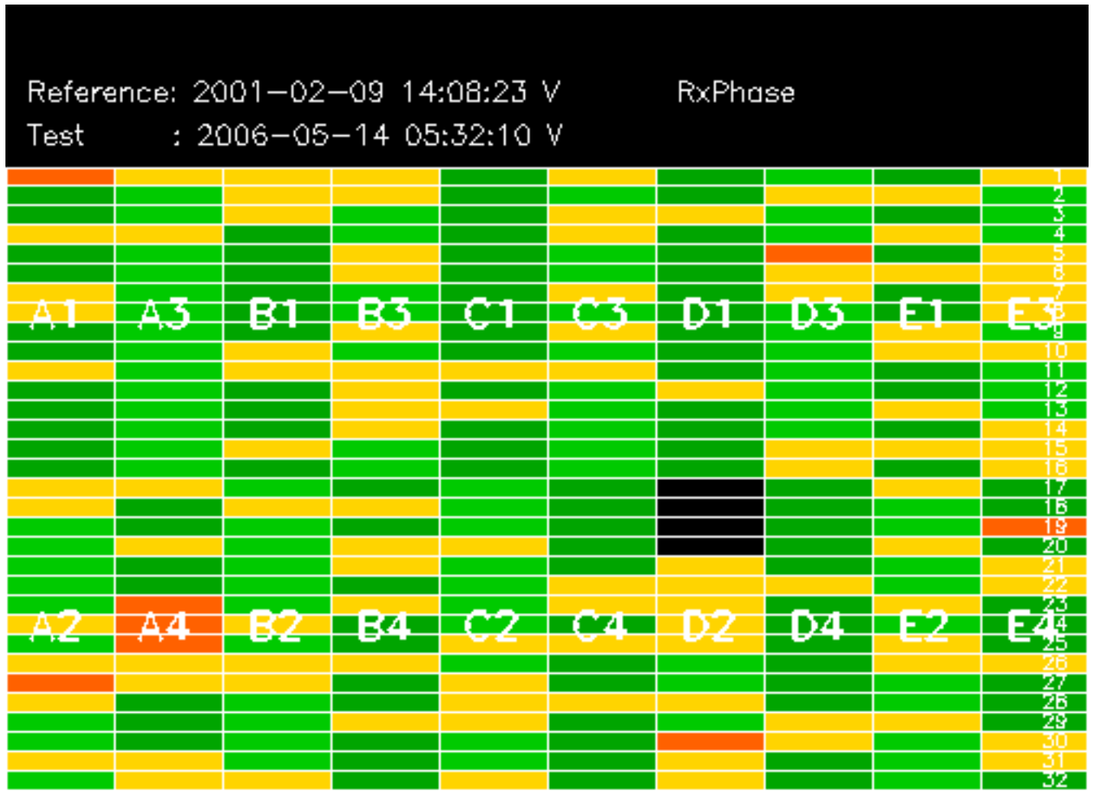
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-05-14 05:32:10 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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8
9
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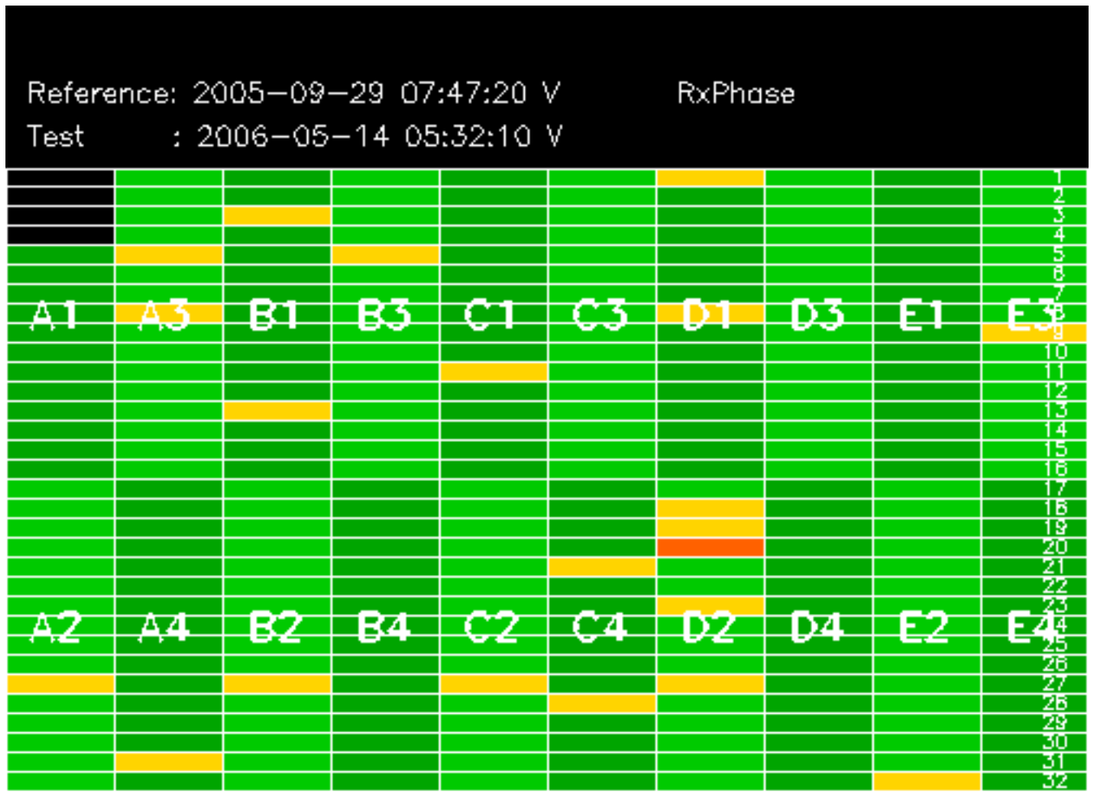
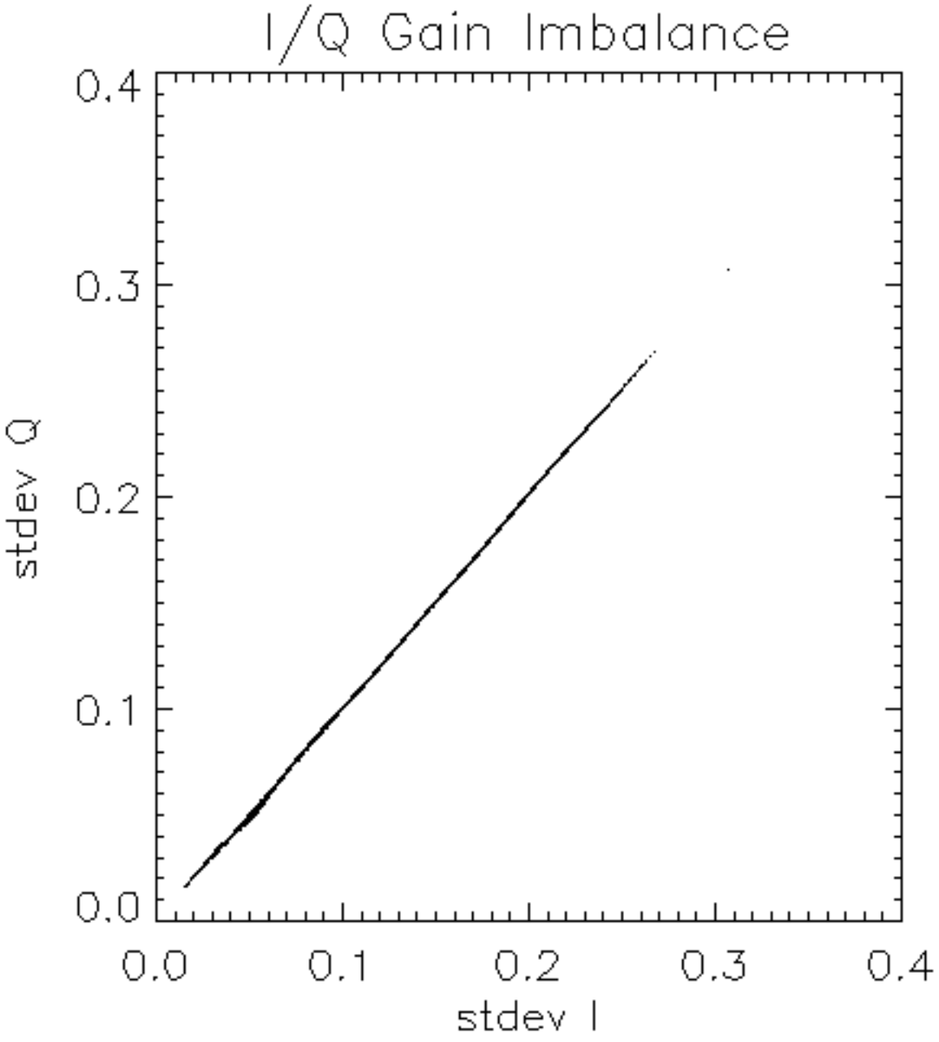
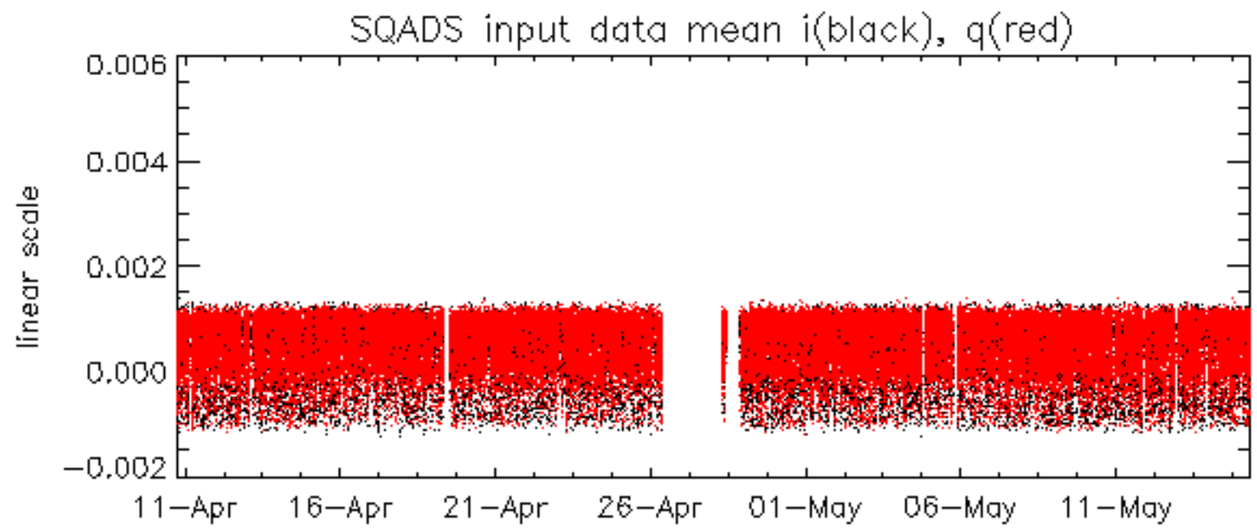
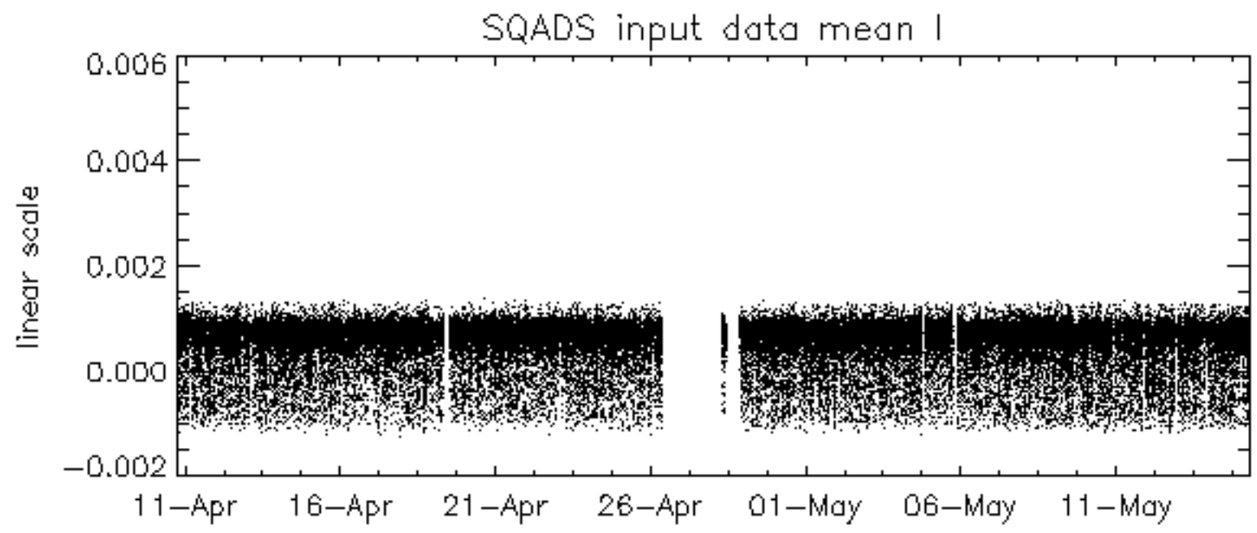
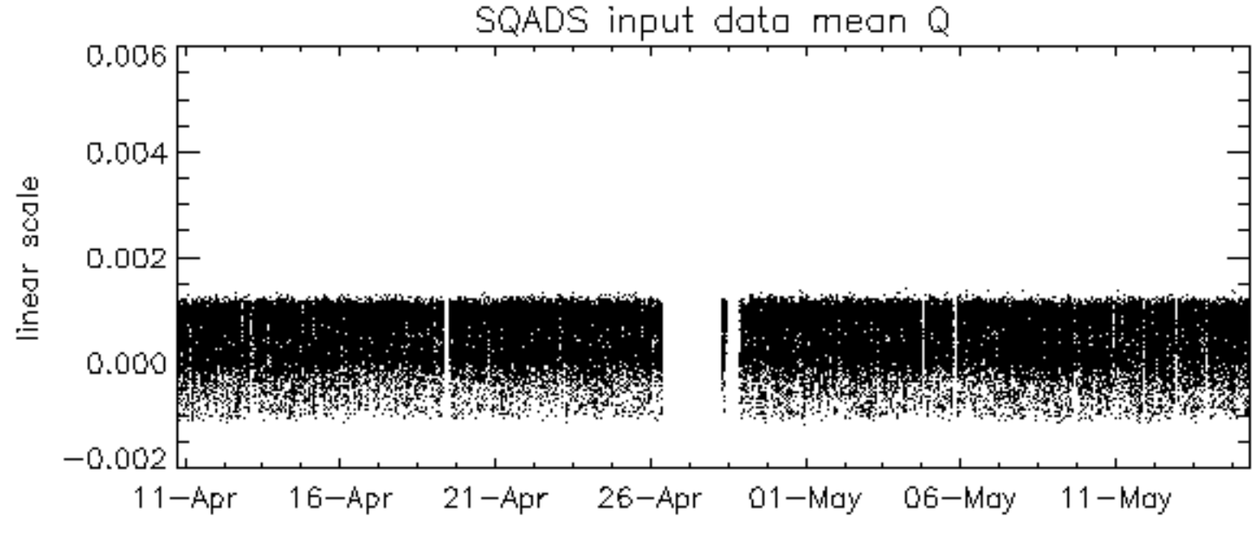
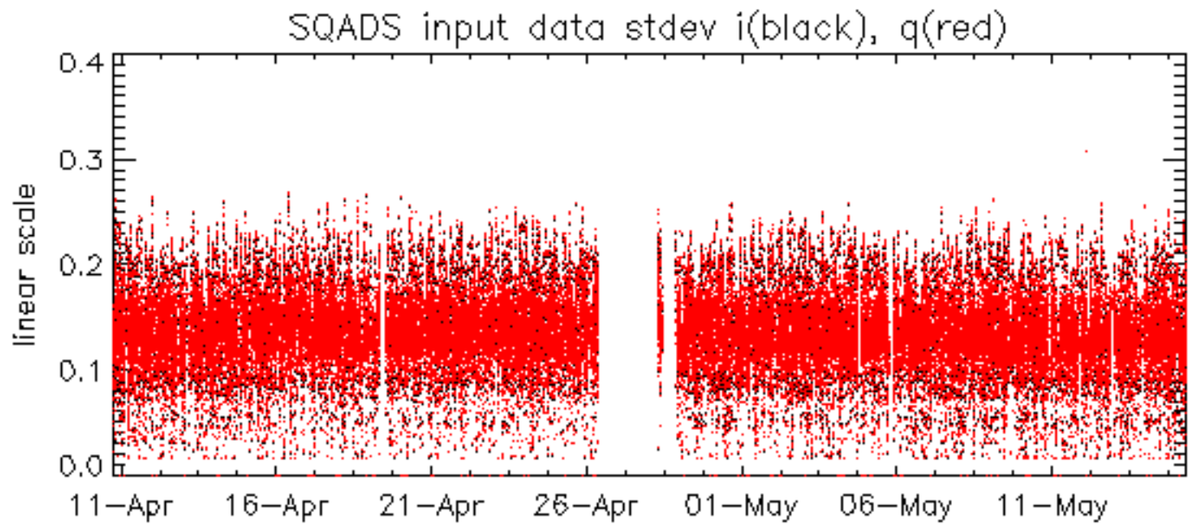

Reference: 2005-09-29 07:47:20 V
Test : 2006-05-14 05:32:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

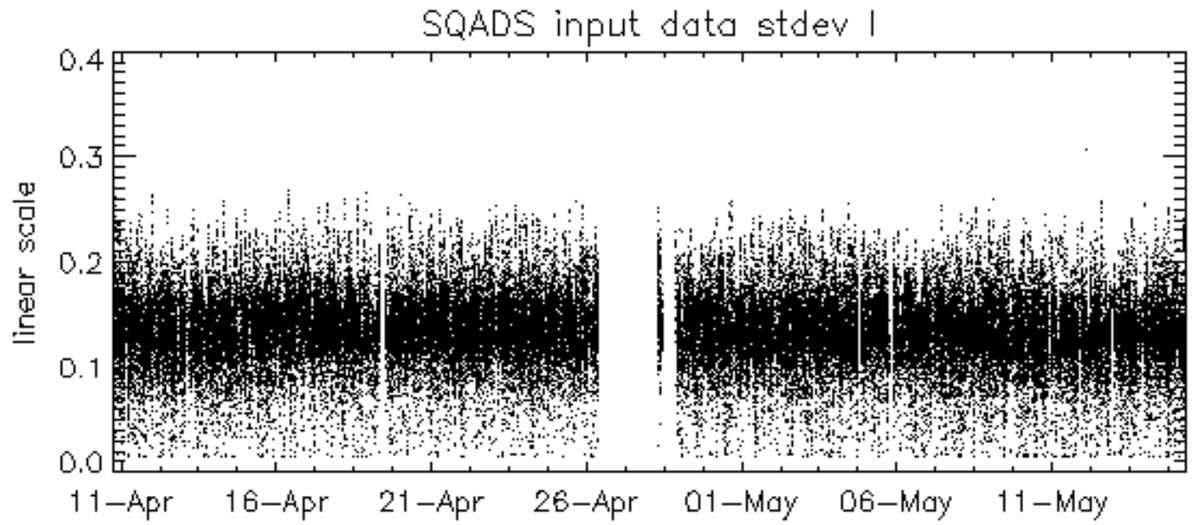

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

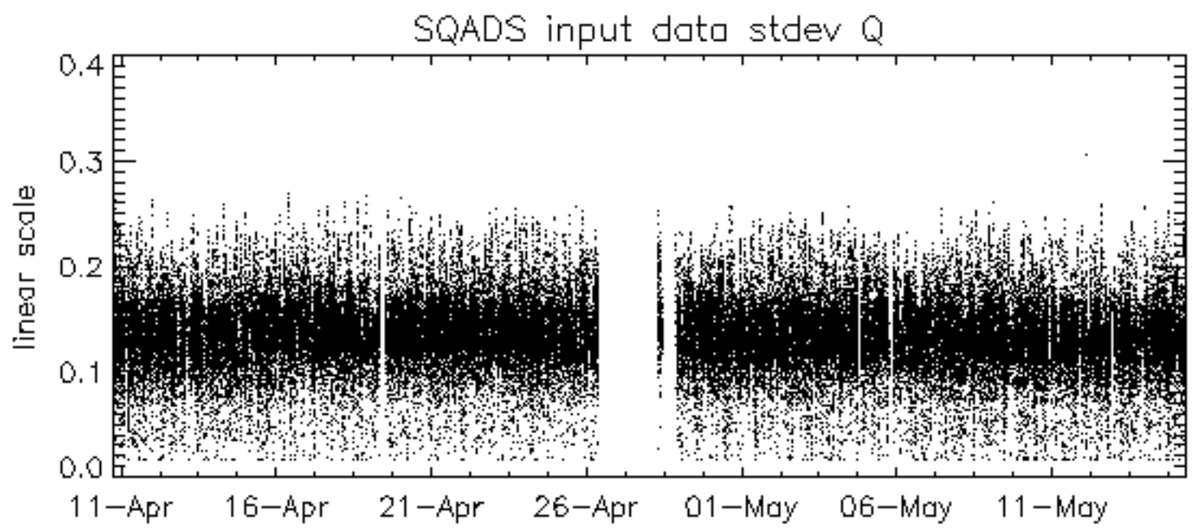

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May

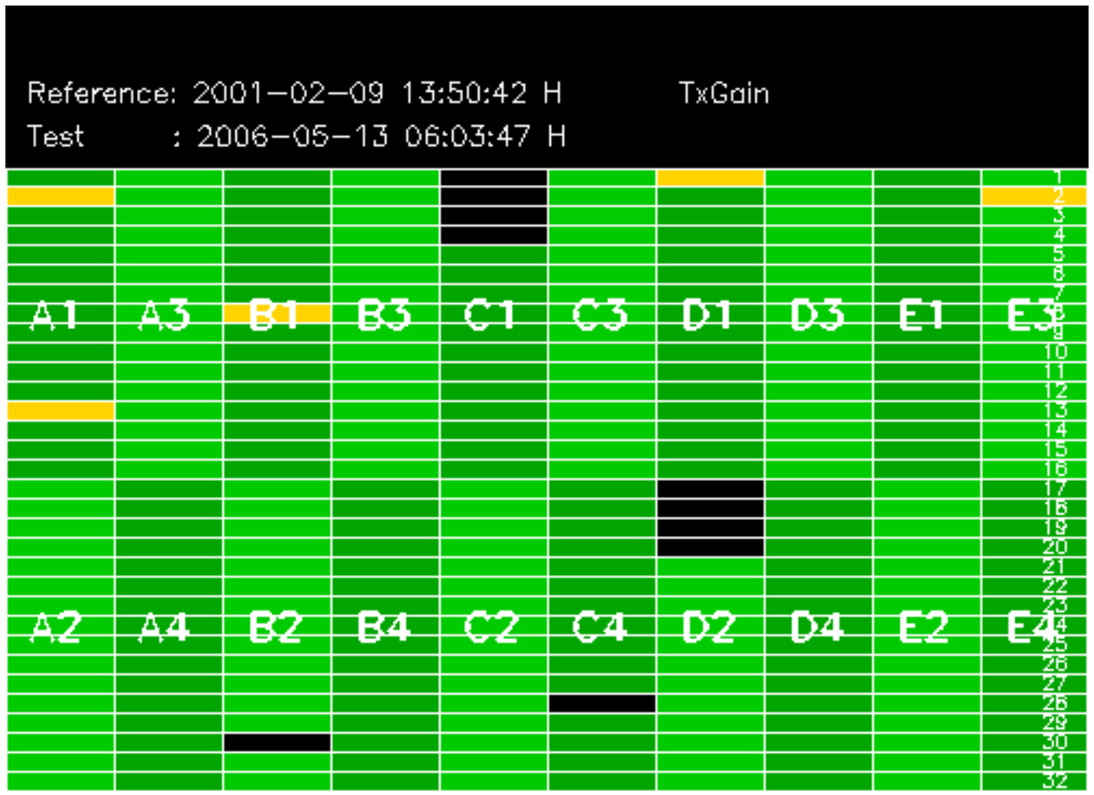

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Apr
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-05-13 06:03:47 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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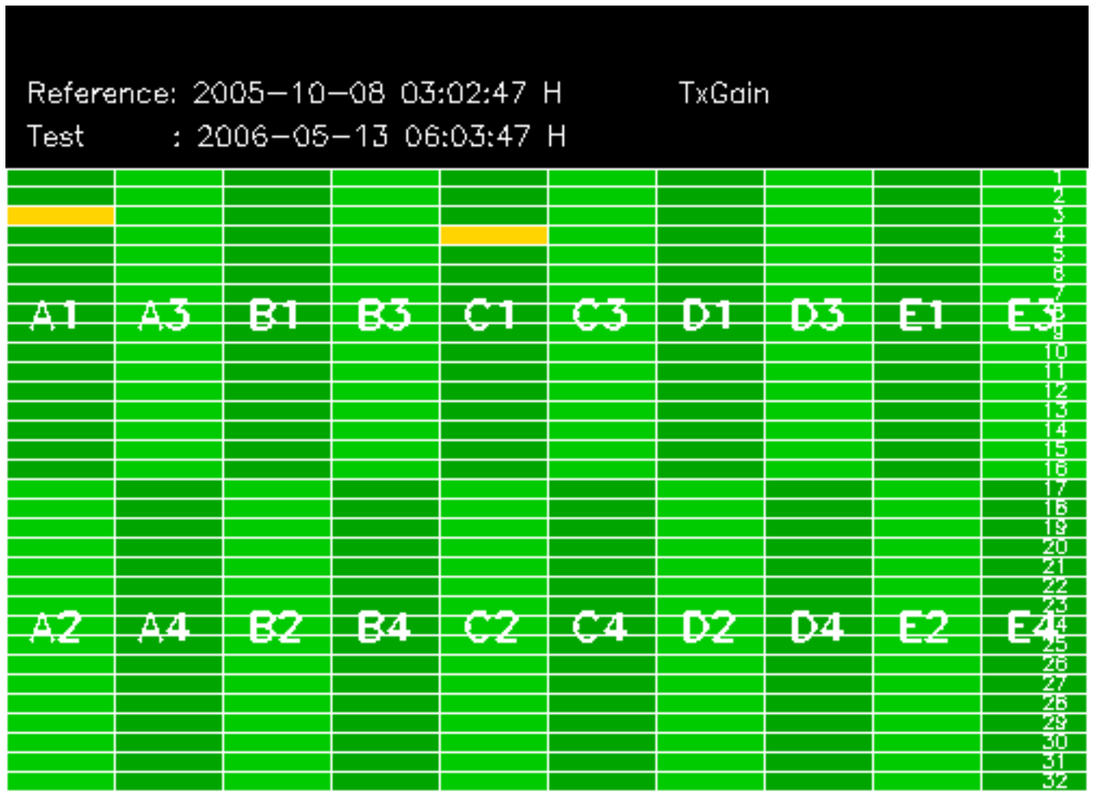
Reference: 2005-10-08 03:02:47 H
Test : 2006-05-13 06:03:47 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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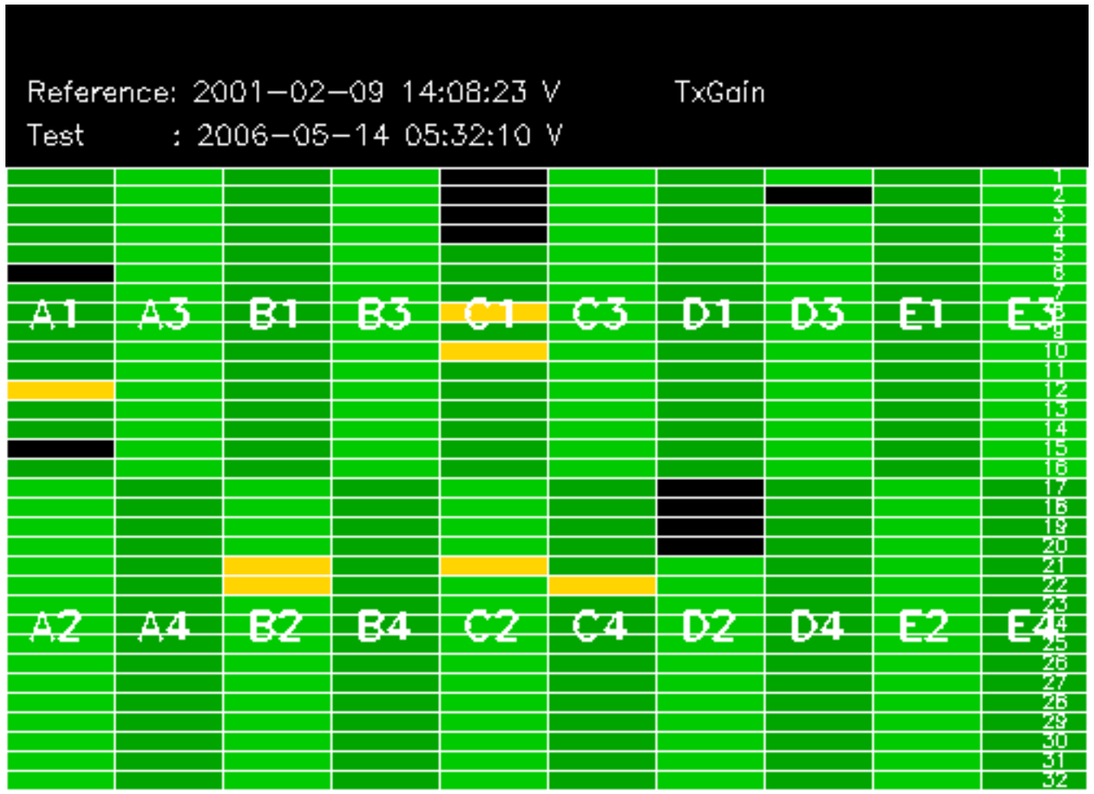
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-14 05:32:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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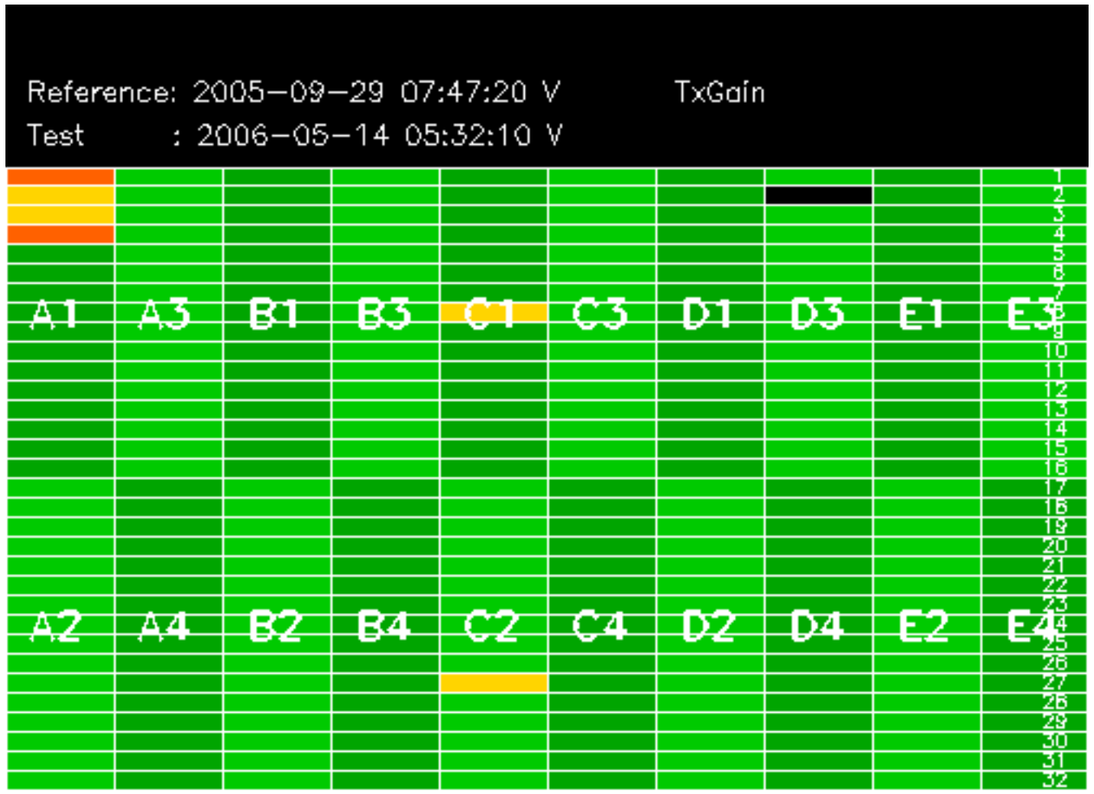
Reference: 2005-09-29 07:47:20 V
Test : 2006-05-14 05:32:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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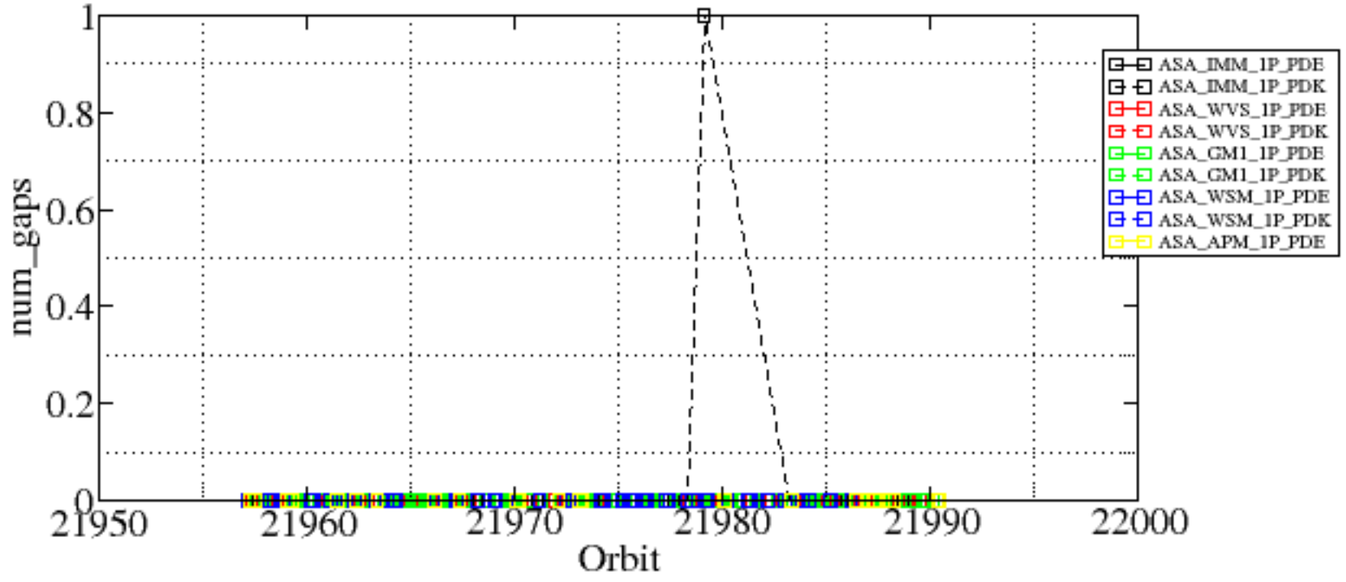
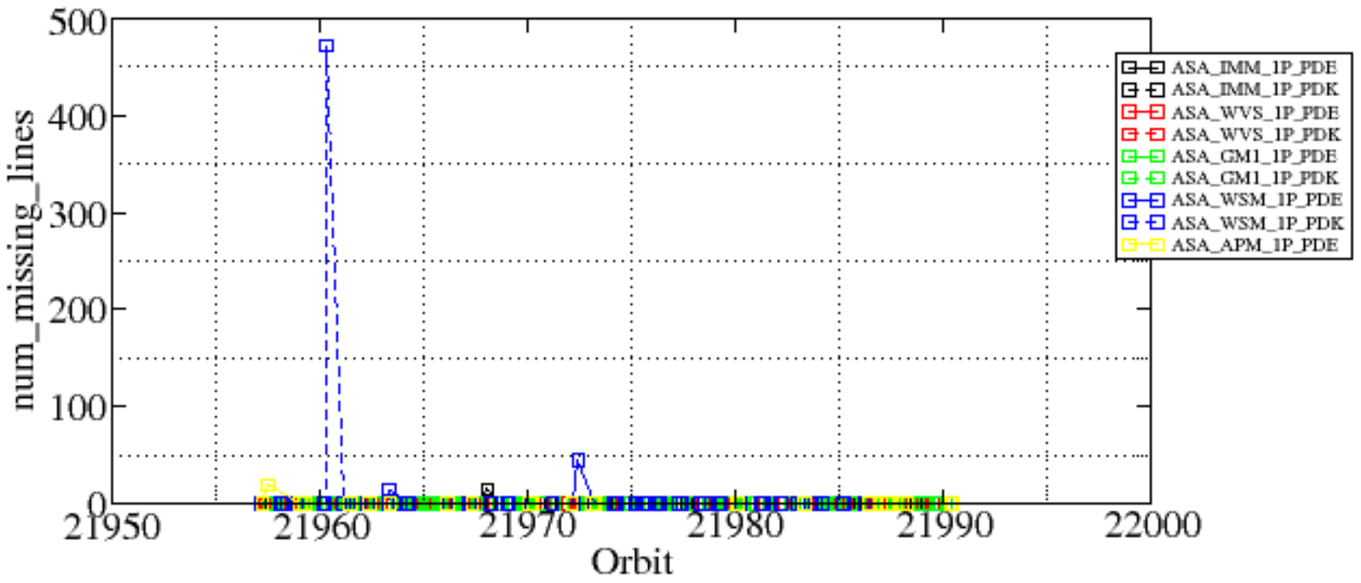
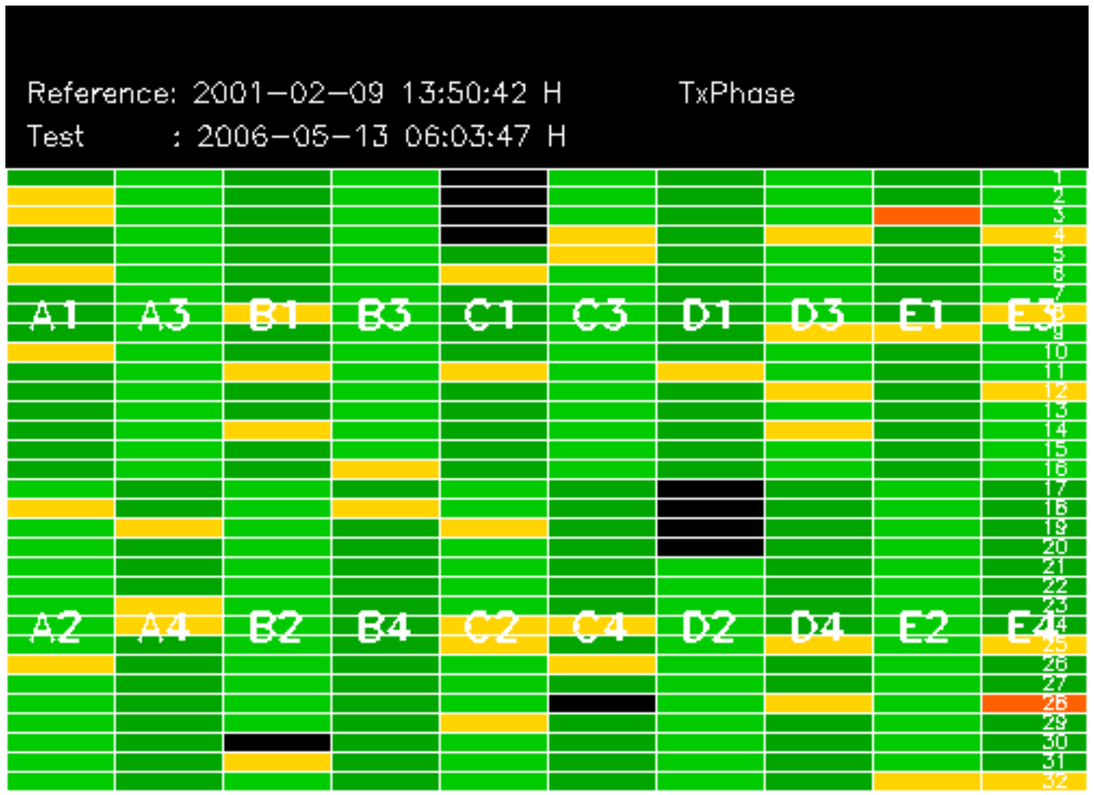
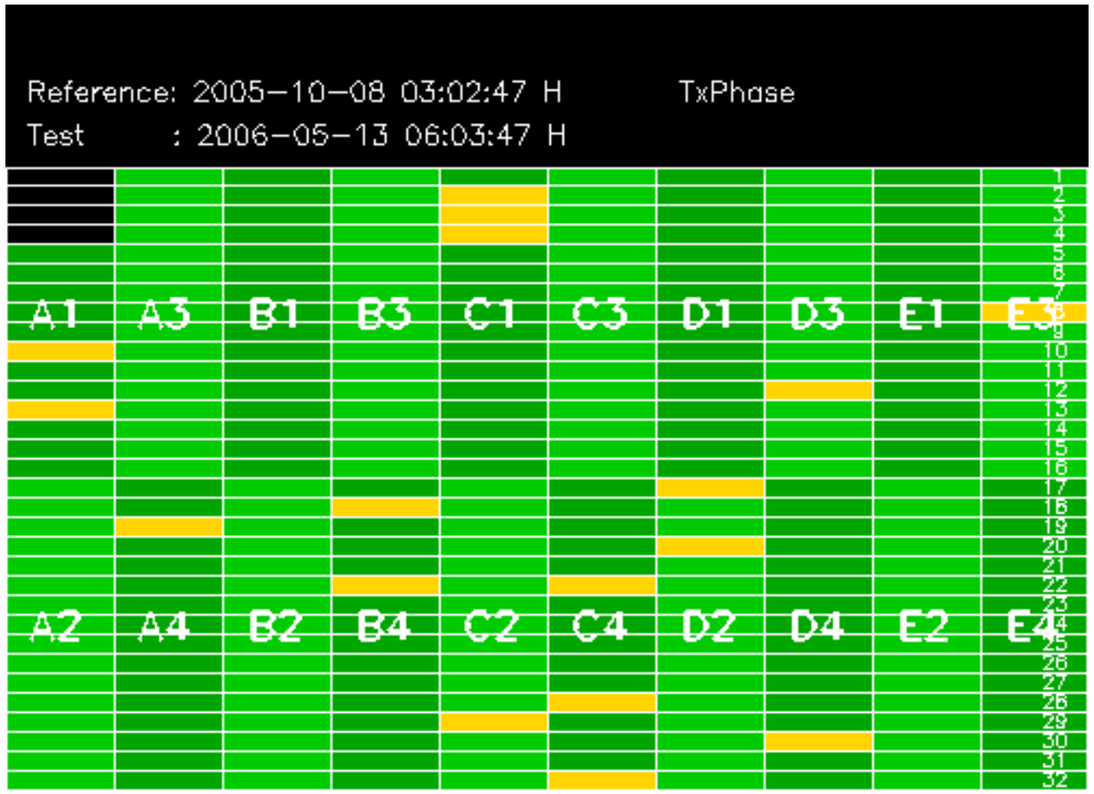
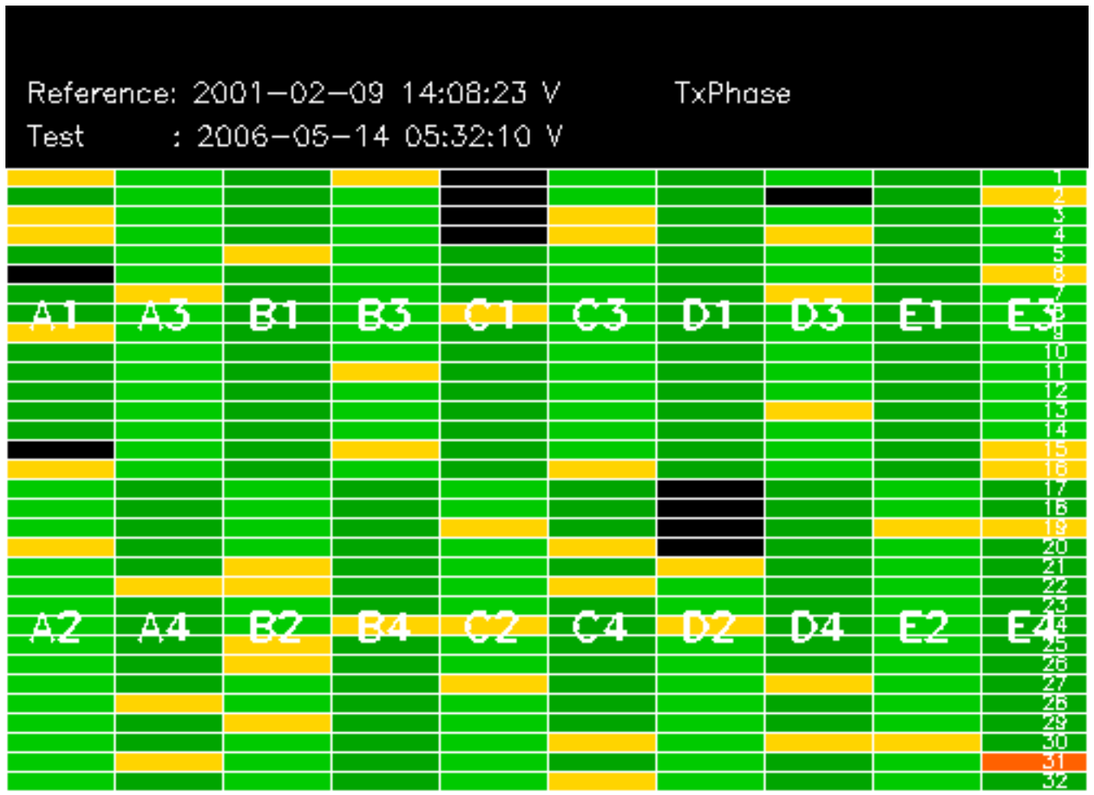
Summary of analysis for the last 3 days 2006051[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060513_182646_000000352047_00371_21968_4970.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20060514_125915_000001272047_00382_21979_1748.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060514_014737_000000862047_00375_21972_9156.N1 </td> <td>0 </td> <td>45 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20060513_052729_000000122047_00363_21960_4998.N1 </td> <td>0 </td> <td>472 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20060513_103058_000001292047_00366_21963_4958.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_APM_1PNPDE20060513_004223_000000562047_00360_21957_2192.N1 </td> <td>0 </td> <td>19 </td></tr>
</table>


num_gaps
Orbit
1
0.8
0.6
0.4
0.2
0
21950
21960
21970
21980
21990
22000
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


num_missing_lines
500
400
300
200
100
0
21950
21960
21970
21980
21990
22000
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


Reference: 2001-02-09 13:50:42 H
Test : 2006-05-13 06:03:47 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-05-13 06:03:47 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
Test : 2006-05-14 05:32:10 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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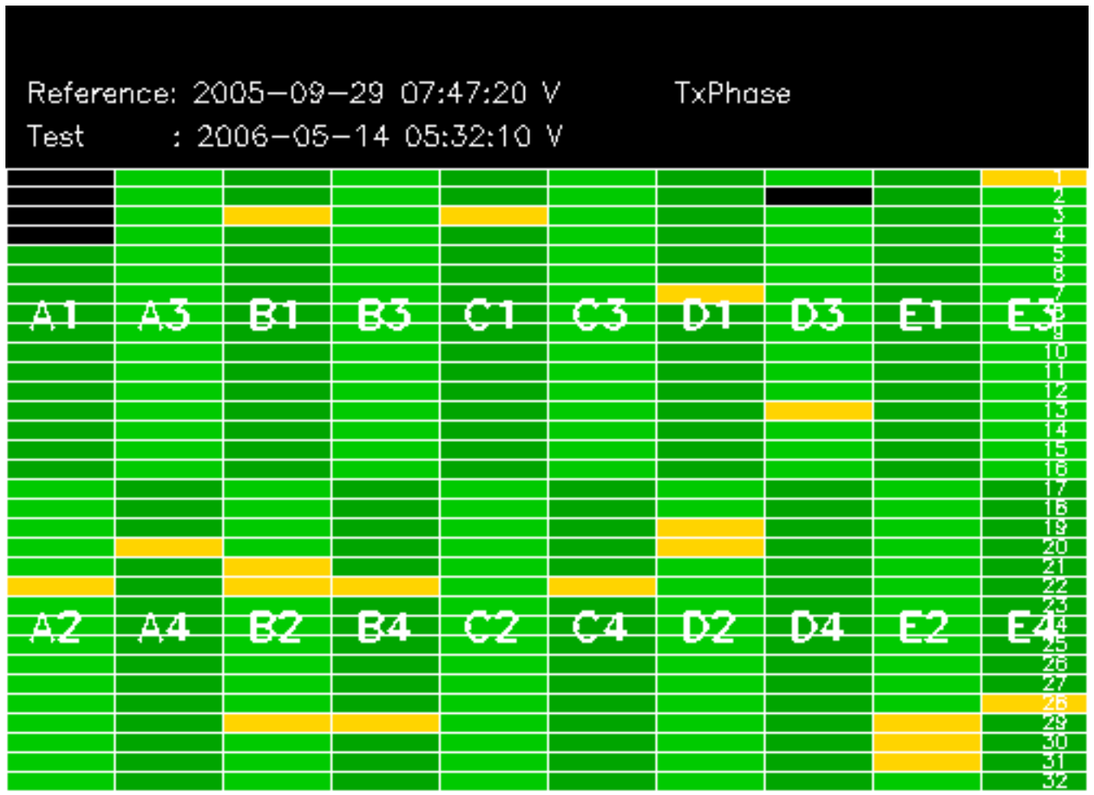
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-05-14 05:32:10 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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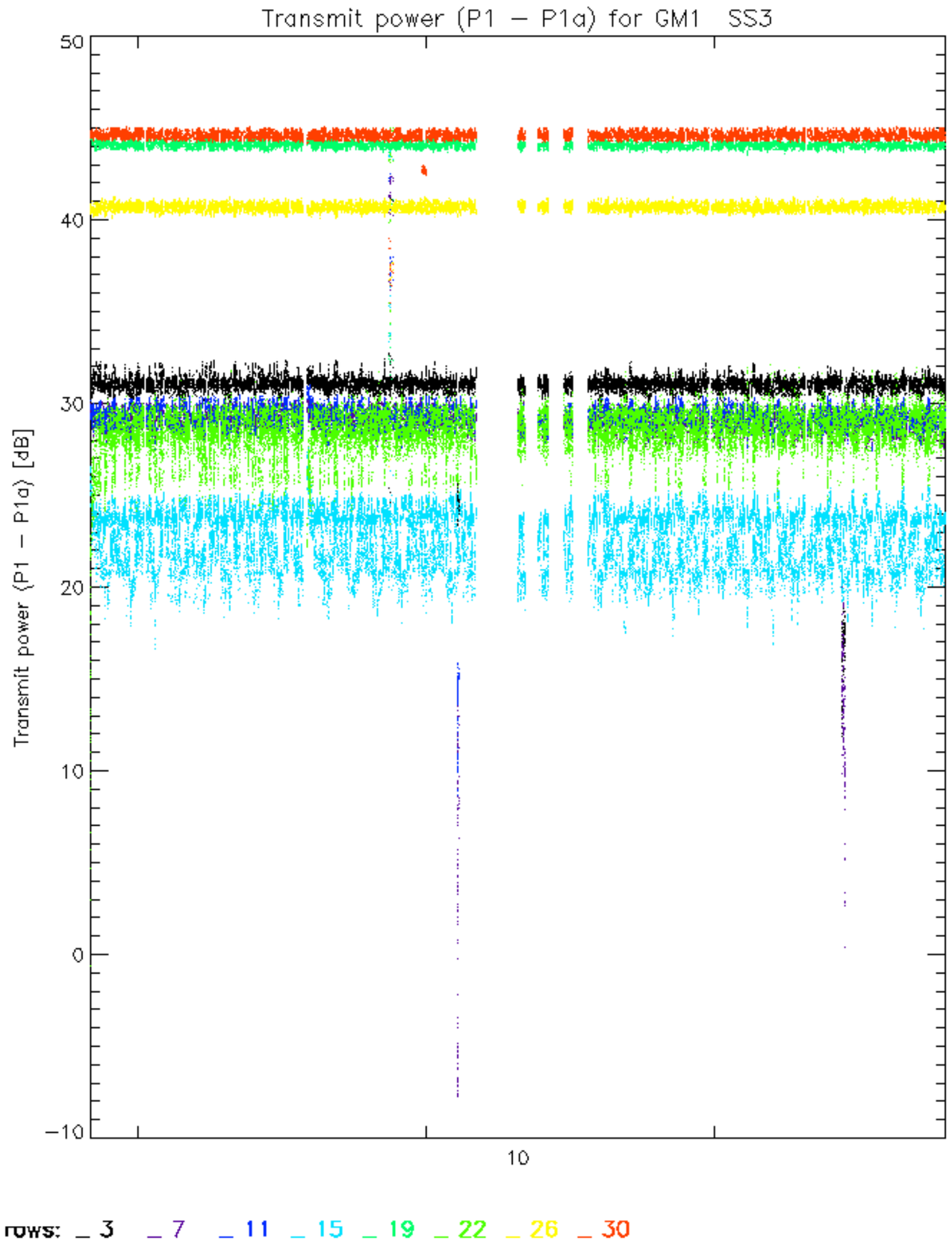
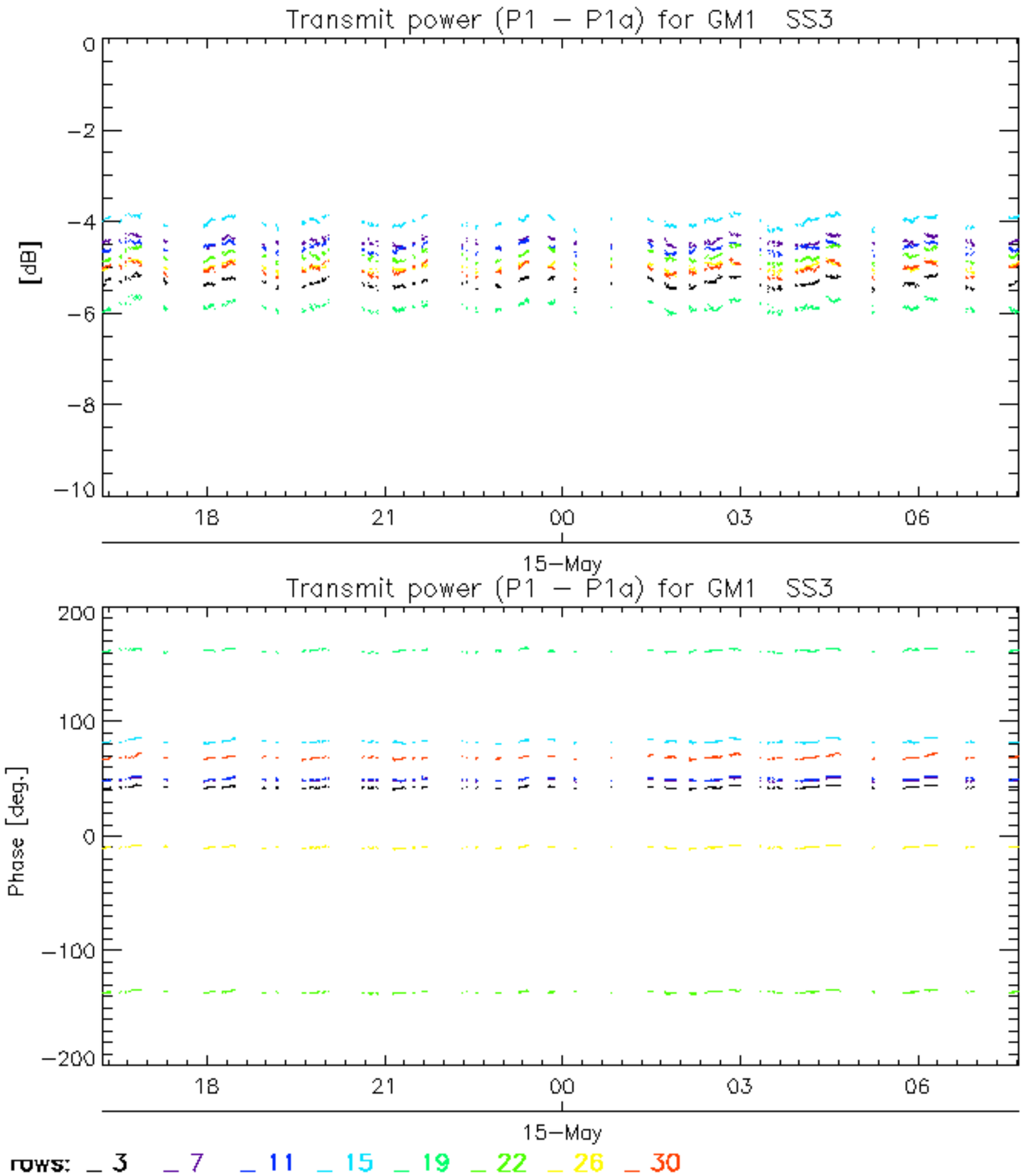
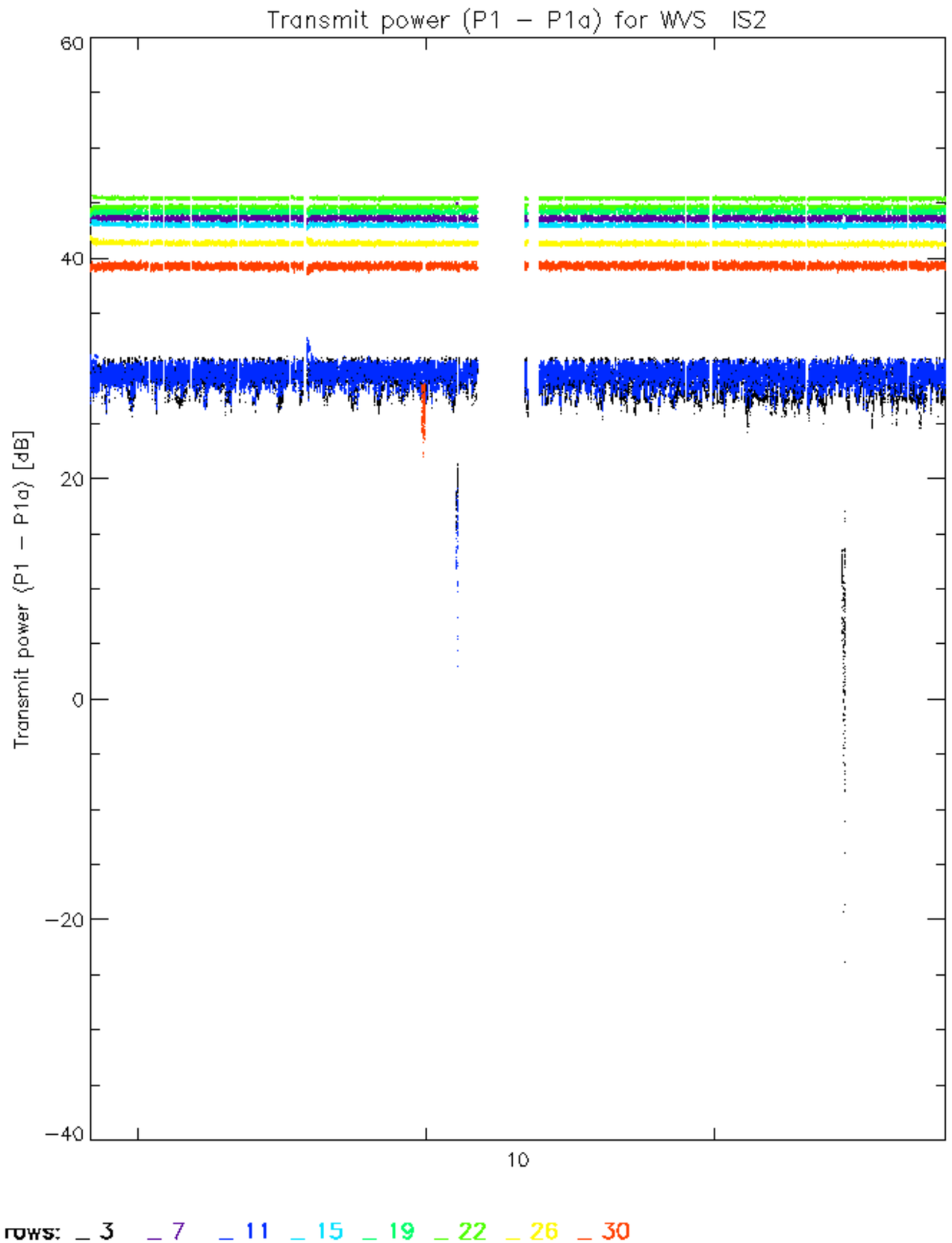
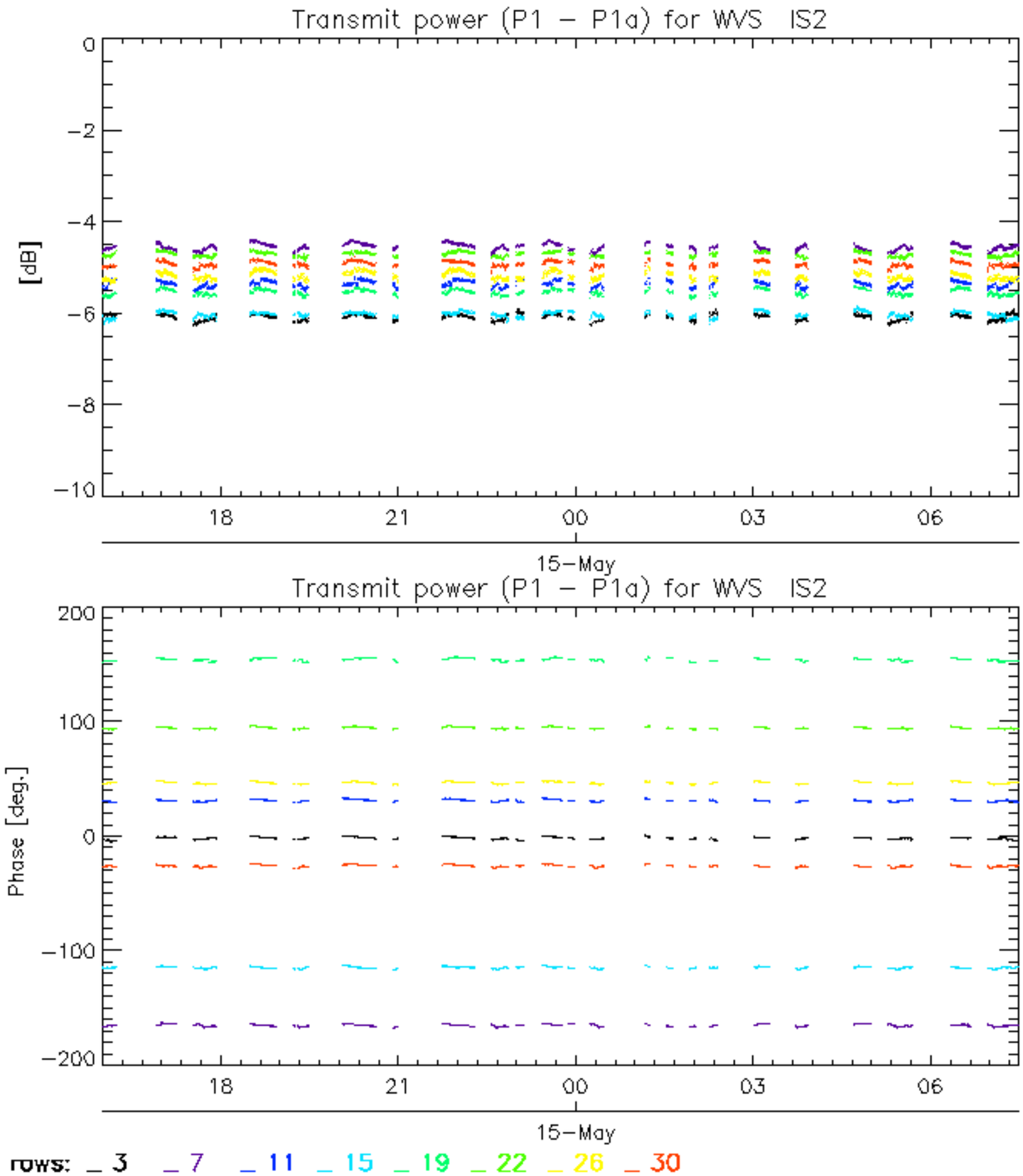

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
10
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
60
40
20
0
−20
−40
10
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
15−May
Transmit power (P1 − P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
15−May
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.