PRELIMINARY REPORT OF 060615

last update on Thu Jun 15 16:46:10 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 2006-06-14 00:00:00 to 2006-06-15 16:46:10

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	42	72	13	0	0
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	42	72	13	0	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	42	72	13	0	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	72	13	0	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	42	51	29	19	67
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	42	51	29	19	67
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	42	51	29	19	67
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	51	29	19	67

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	20060614 073840
H	20060615 070703

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	-3.940804	0.018269	0.049584
7	P1	-3.128198	0.016056	-0.061640
11	P1	-4.109291	0.019060	0.002693
15	P1	-6.143055	0.020101	-0.029848
19	P1	-3.340773	0.008504	-0.065506
22	P1	-4.514629	0.011599	-0.001822
26	P1	-3.975873	0.017146	0.010625
30	P1	-5.748619	0.008930	-0.010904
3	P1	-16.525881	0.248138	0.109874
7	P1	-17.208324	0.150852	-0.155642
11	P1	-16.948519	0.308503	-0.056913
15	P1	-13.206881	0.217034	0.059514
19	P1	-14.310199	0.050287	-0.131430
22	P1	-16.169367	0.374916	-0.007821
26	P1	-15.236825	0.233256	0.077668
30	P1	-17.096783	0.404229	-0.225826

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.164276	0.079158	0.114896
7	P2	-22.044855	0.094753	0.100104
11	P2	-15.894094	0.108421	0.119017
15	P2	-7.161645	0.091589	0.000764
19	P2	-9.171400	0.083393	-0.025335
22	P2	-18.150822	0.081513	-0.081773
26	P2	-16.392782	0.085281	-0.067122
30	P2	-19.564140	0.084623	0.032010

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.185306	0.004082	-0.003894
7	P3	-8.185306	0.004082	-0.003894
11	P3	-8.185306	0.004082	-0.003894
15	P3	-8.185306	0.004082	-0.003894
19	P3	-8.185306	0.004082	-0.003894
22	P3	-8.185306	0.004082	-0.003894
26	P3	-8.185306	0.004082	-0.003894
30	P3	-8.185306	0.004082	-0.003894

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	-3.798154	0.051793	-0.006576
7	P1	-2.594866	0.030635	0.028877
11	P1	-2.861846	0.023382	0.004710
15	P1	-3.504084	0.050154	-0.034513
19	P1	-3.405750	0.014438	-0.028554
22	P1	-5.081501	0.019693	-0.003742
26	P1	-5.851269	0.015887	-0.034624
30	P1	-5.192791	0.026856	-0.009458
3	P1	-11.624571	0.053758	0.025874
7	P1	-9.965283	0.049333	-0.067233
11	P1	-10.212677	0.087708	-0.089257
15	P1	-10.638170	0.151875	-0.131749
19	P1	-15.532650	0.076038	-0.049182
22	P1	-20.935242	1.178861	-0.115405

26	P1	-16.485229	0.334507	0.027324
30	P1	-17.938540	0.372429	0.210227

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.854620	0.070689	0.127758
7	P2	-22.498865	0.128491	0.037289
11	P2	-11.164586	0.048185	0.056831
15	P2	-4.916332	0.048819	-0.036185
19	P2	-6.881586	0.053447	-0.024467
22	P2	-8.205194	0.043633	-0.032715
26	P2	-24.127317	0.068585	-0.099169
30	P2	-22.065067	0.056358	-0.008118

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.019598	0.004866	-0.010808
7	P3	-8.019688	0.004851	-0.010738
11	P3	-8.019677	0.004842	-0.010763
15	P3	-8.019560	0.004858	-0.011072
19	P3	-8.019614	0.004850	-0.010804
22	P3	-8.019783	0.004845	-0.010893
26	P3	-8.019688	0.004847	-0.010923
30	P3	-8.019686	0.004846	-0.011138

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	0.000538155
	stdev	1.86011e-07
MEAN Q	mean	0.000511854
	stdev	2.27749e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.134877
	stdev	0.00118628
STDEV Q	mean	0.135221
	stdev	0.00120320

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006061[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_1PNPDE20060613_010016_000000842048_00303_22401_7335.N1	1	0
ASA_IMM_1PNPDE20060613_061630_000000812048_00306_22404_7368.N1	1	0
ASA_WSM_1PNPDE20060613_110750_000001582048_00309_22407_3853.N1	0	66
ASA_WSM_1PNPDE20060615_042315_000002382048_00334_22432_4158.N1	0	6
ASA_WSM_1PNPDK20060613_134955_000001032048_00311_22409_7492.N1	0	21

ASA_APM_1PNPDE20060613_170832_000000412048_00313_22411_3320.N1	0	20

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

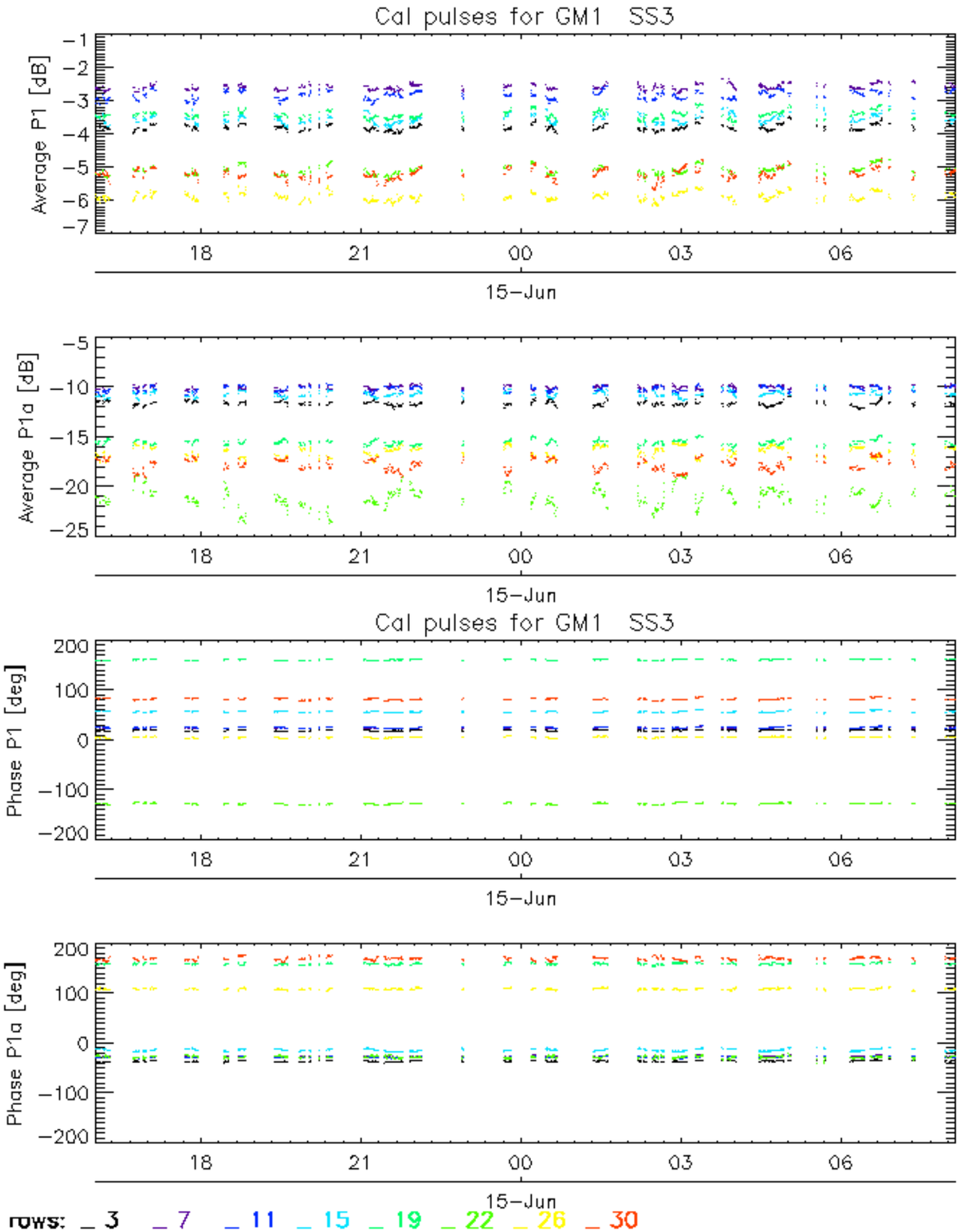
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

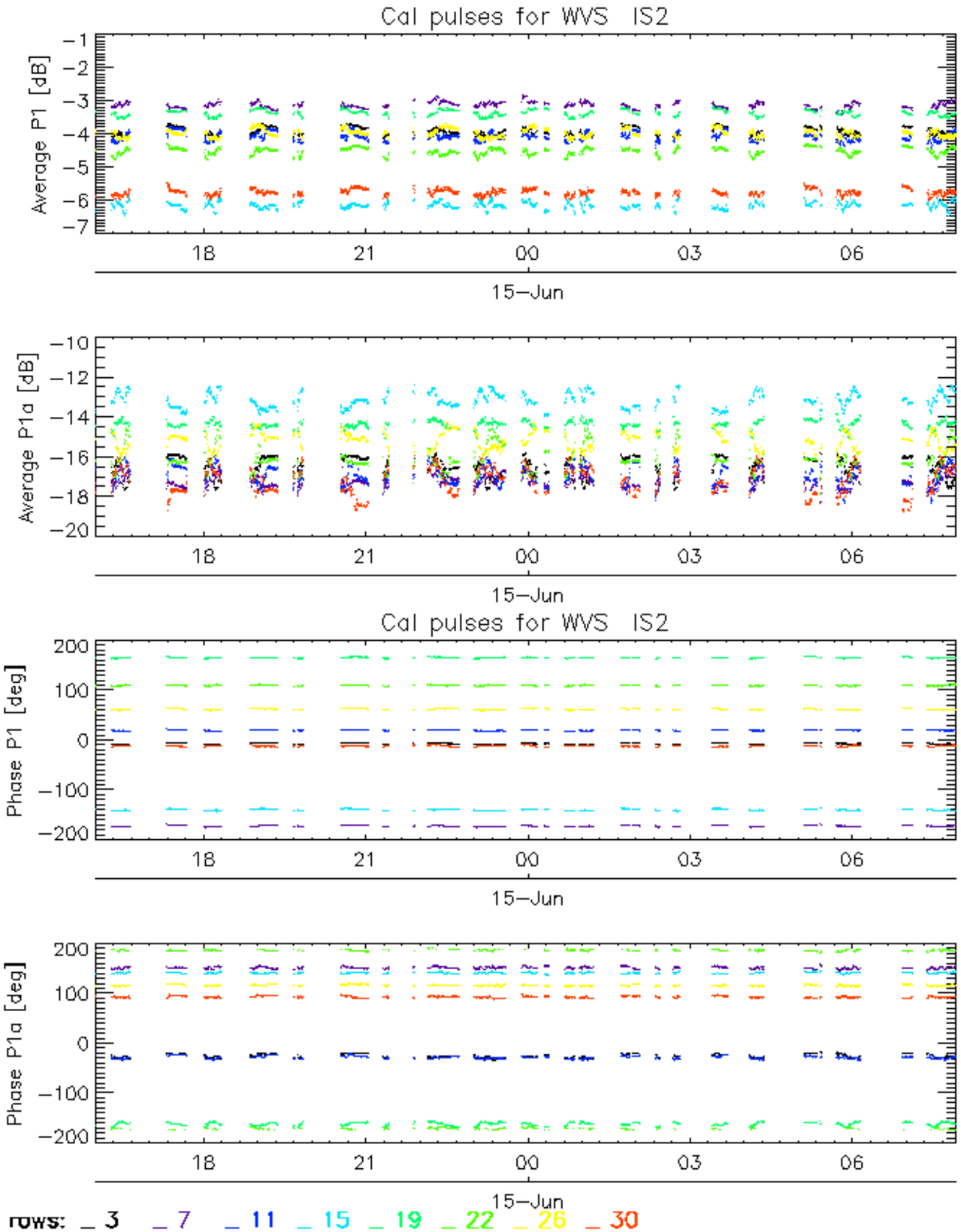
7.5 - Absolute Doppler for GM1

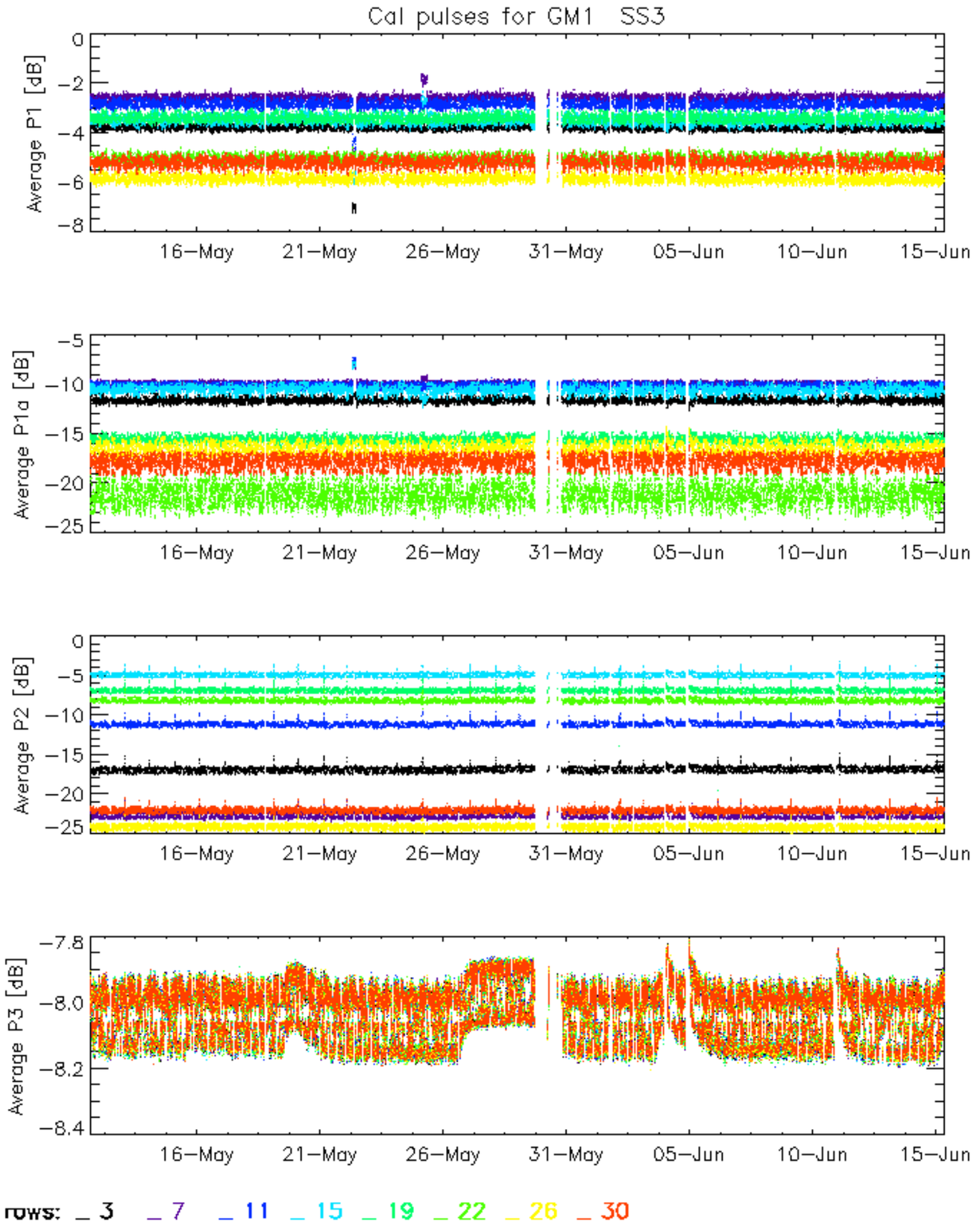
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

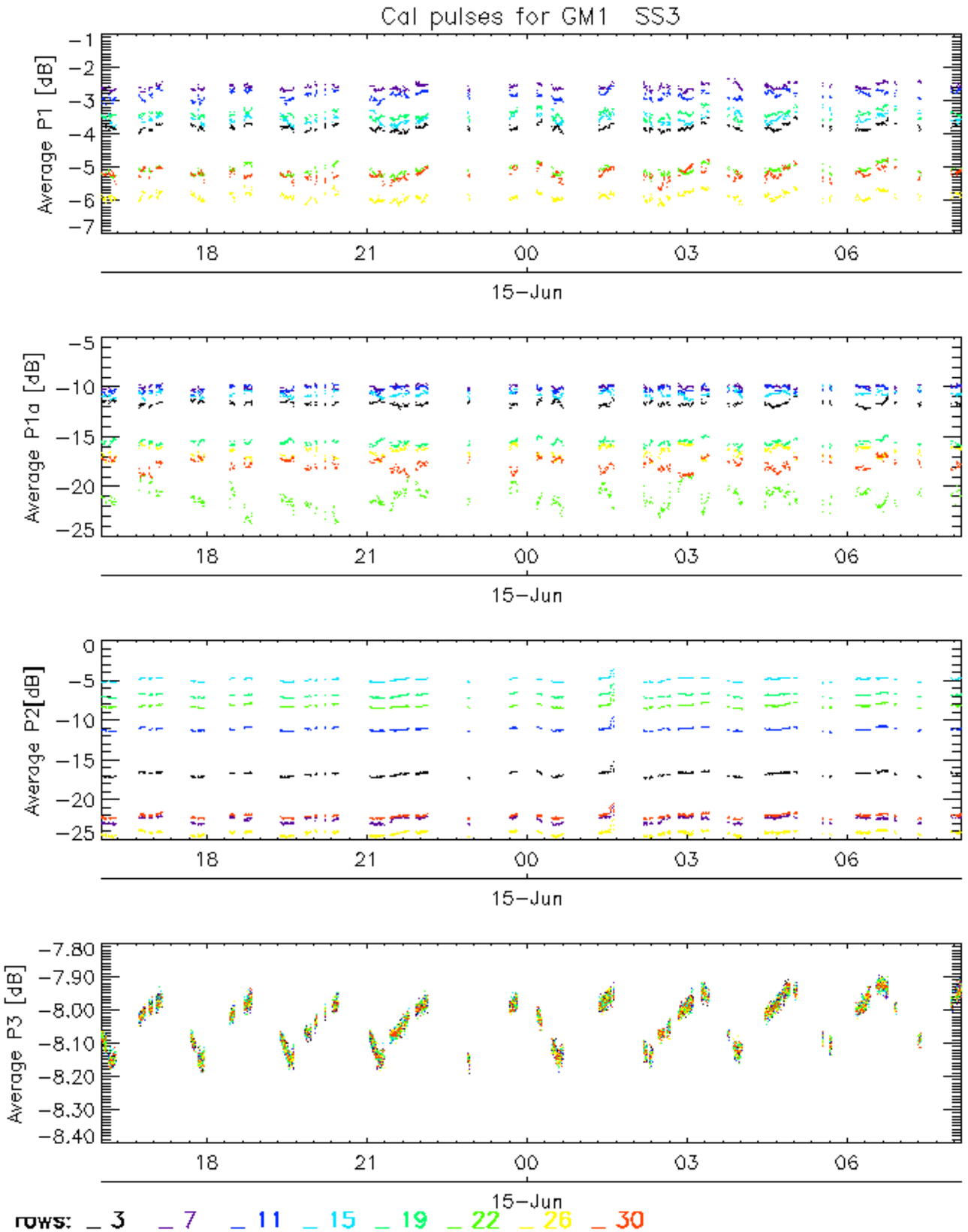
7.6 - Doppler evolution versus ANX for GM1

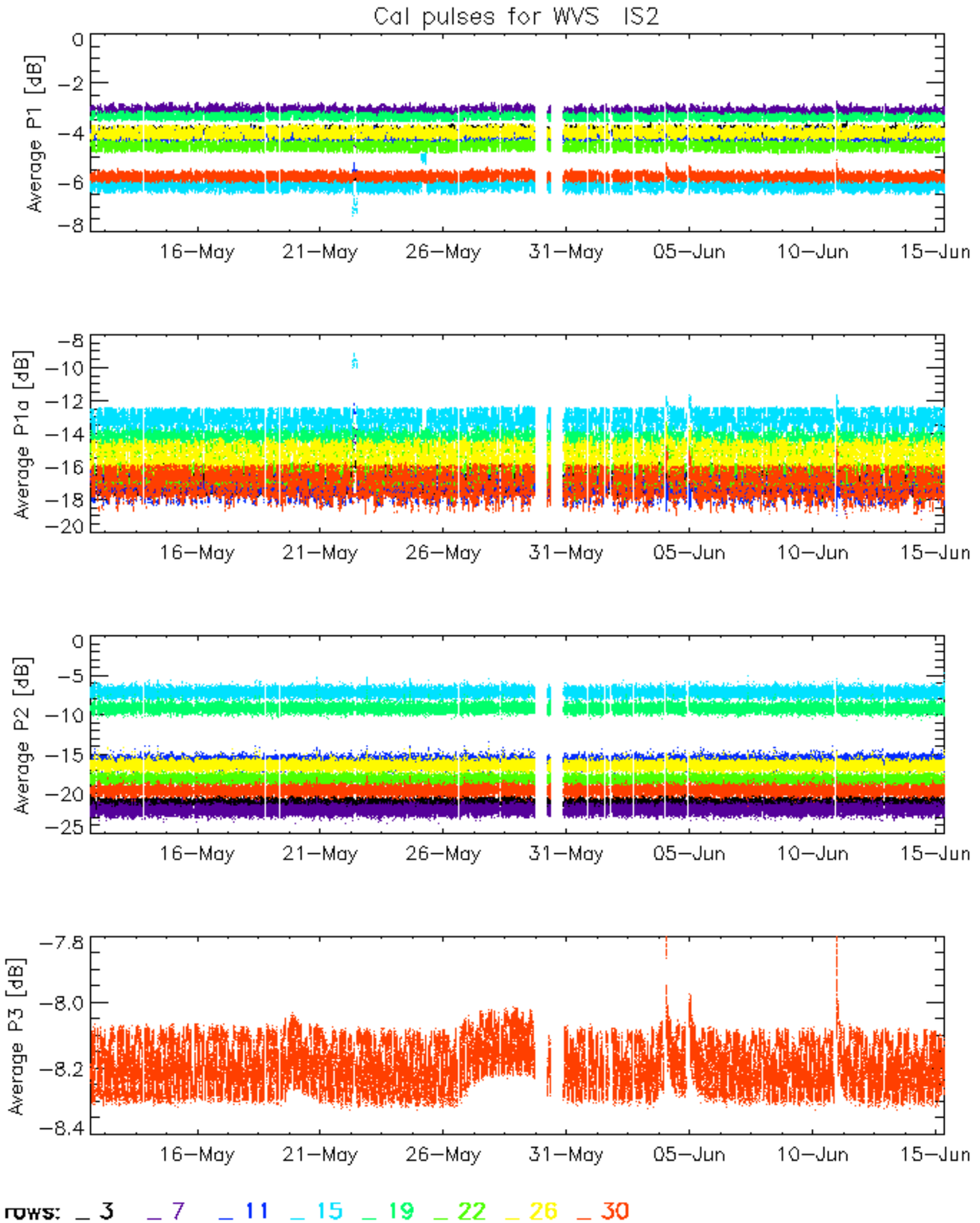
Evolution Doppler error versus ANX
☒

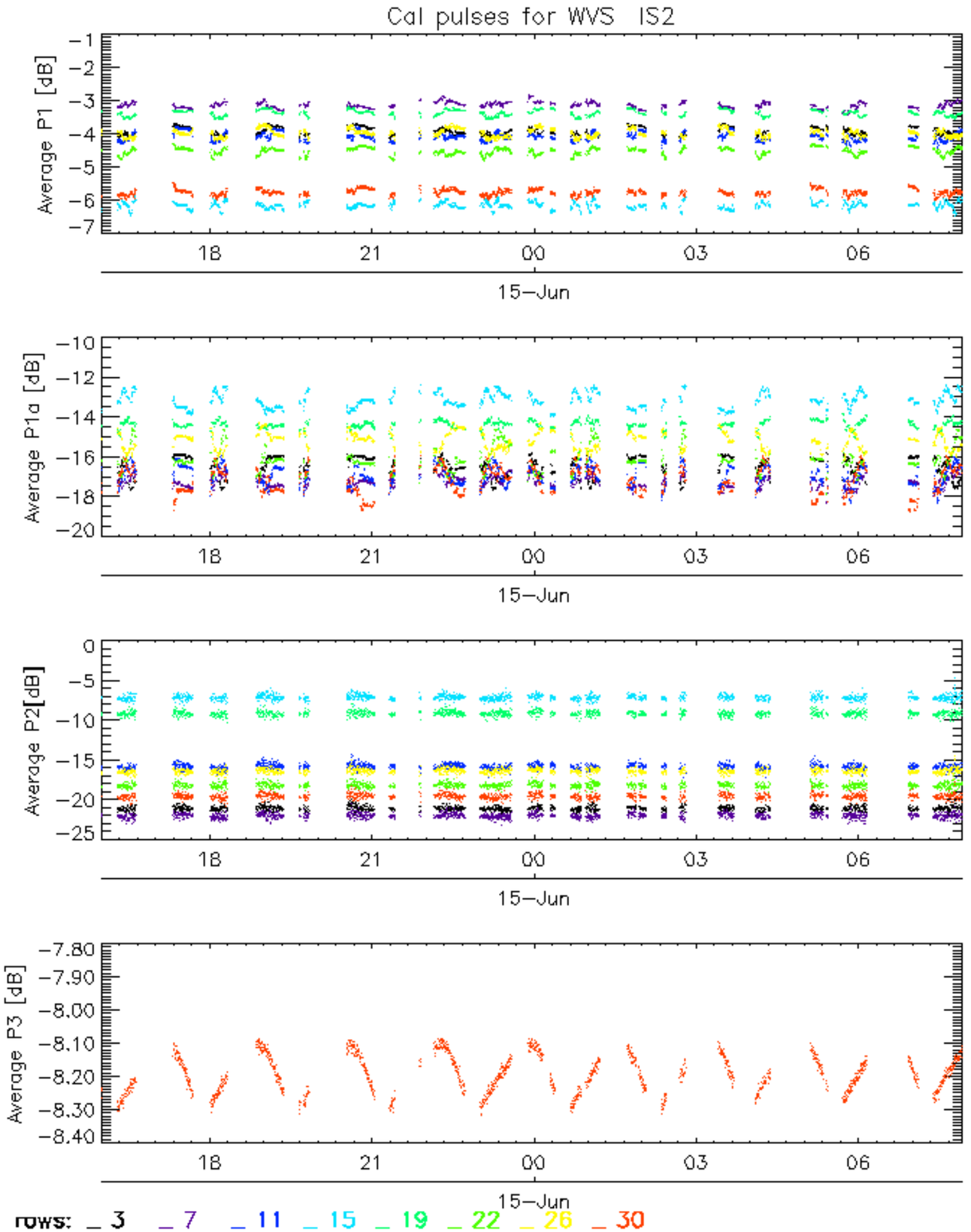

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
15−Jun
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 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−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
15−Jun
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jun
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
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
16−May
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

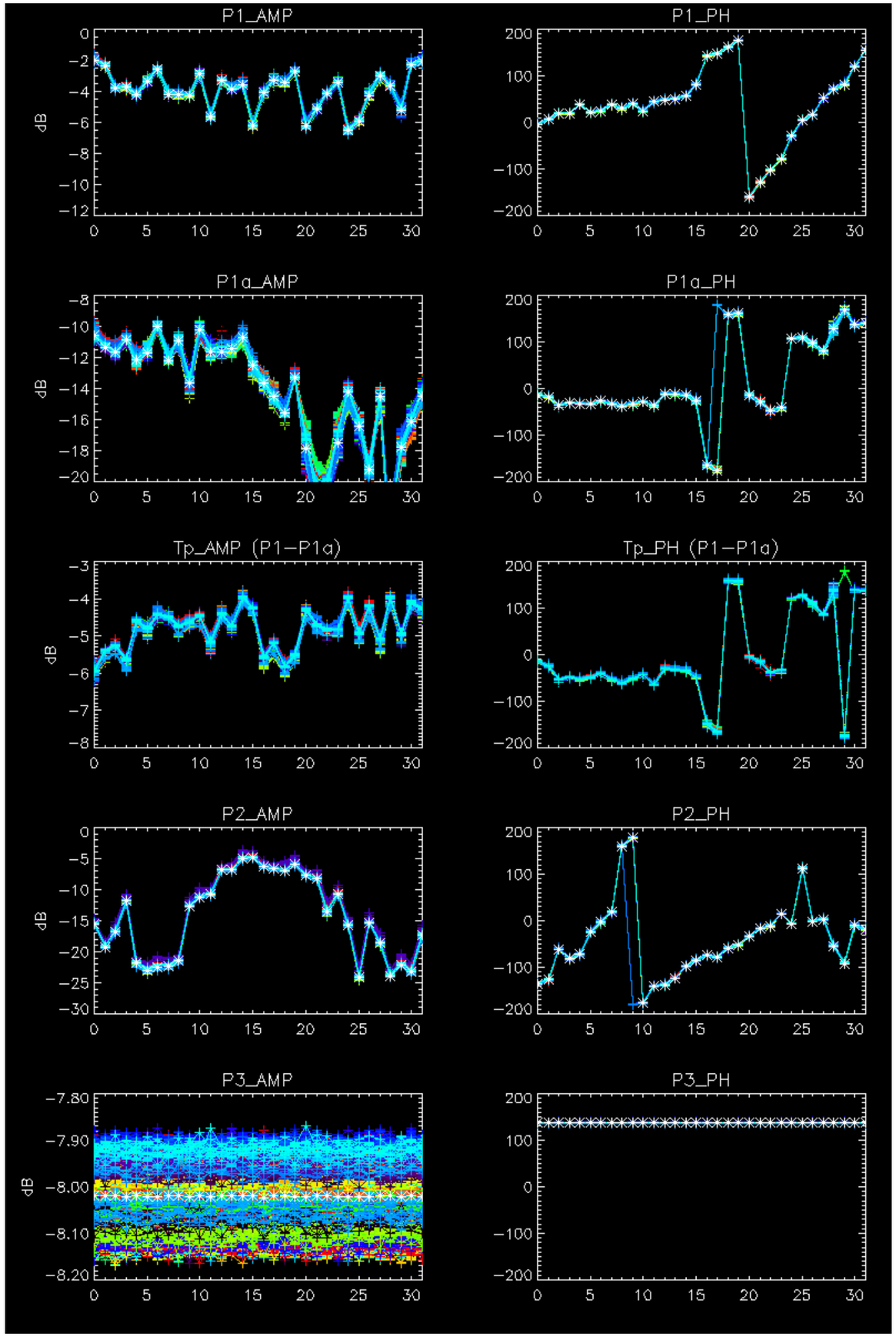

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
15−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
15−Jun
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
15−Jun
rows: _ 3 _ 7 _ 11 _ 15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

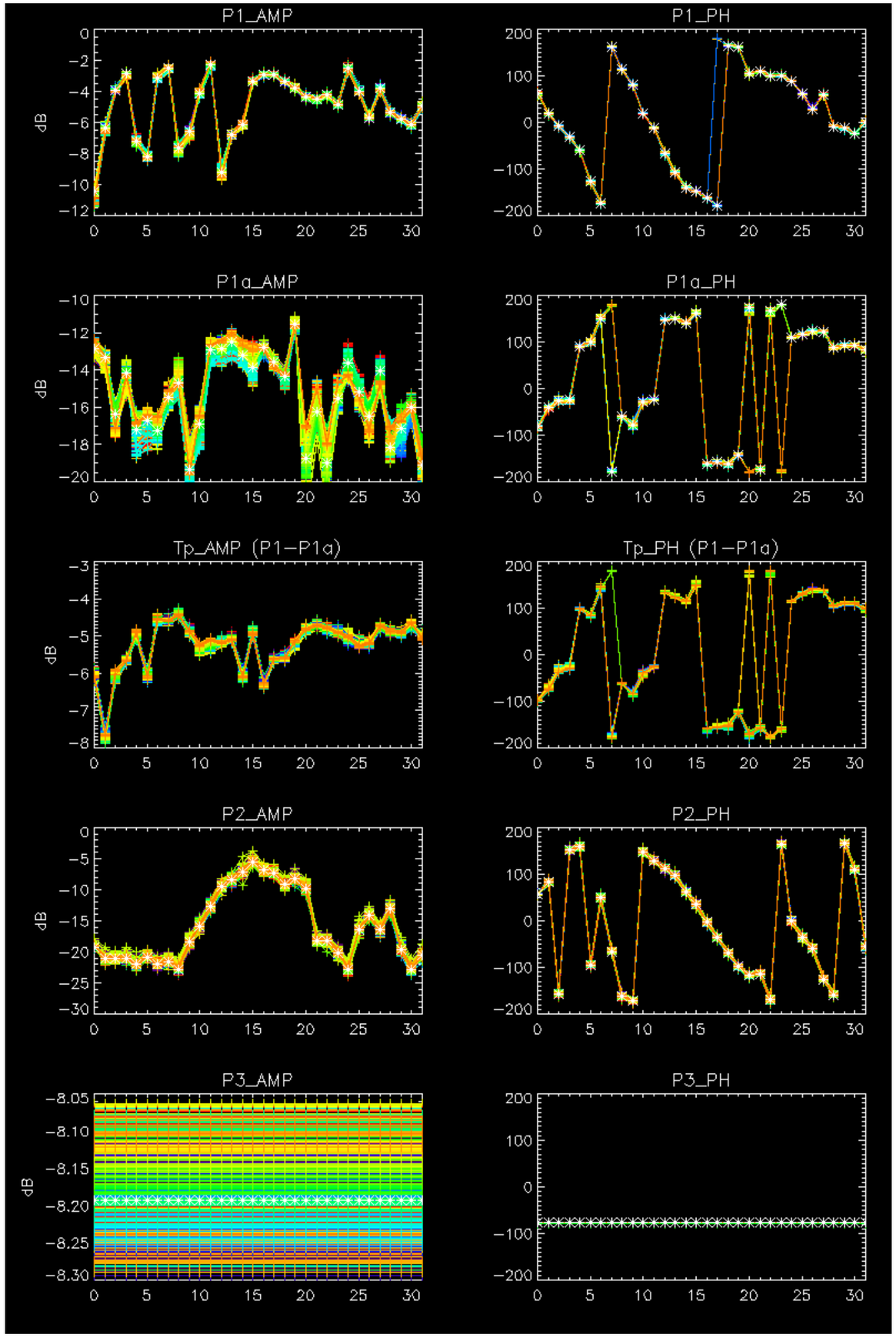

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
16−May
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

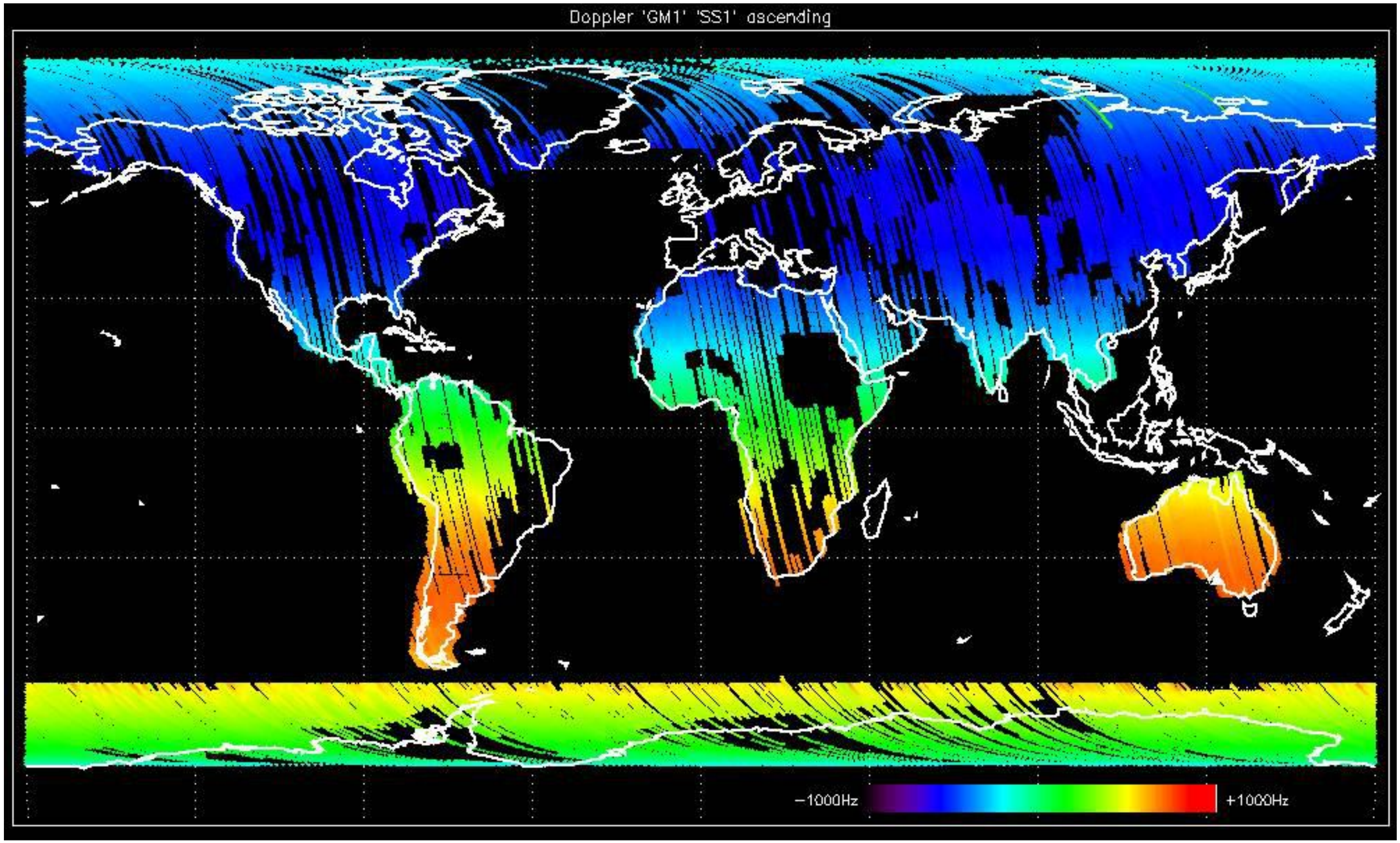
No anomalies observed.

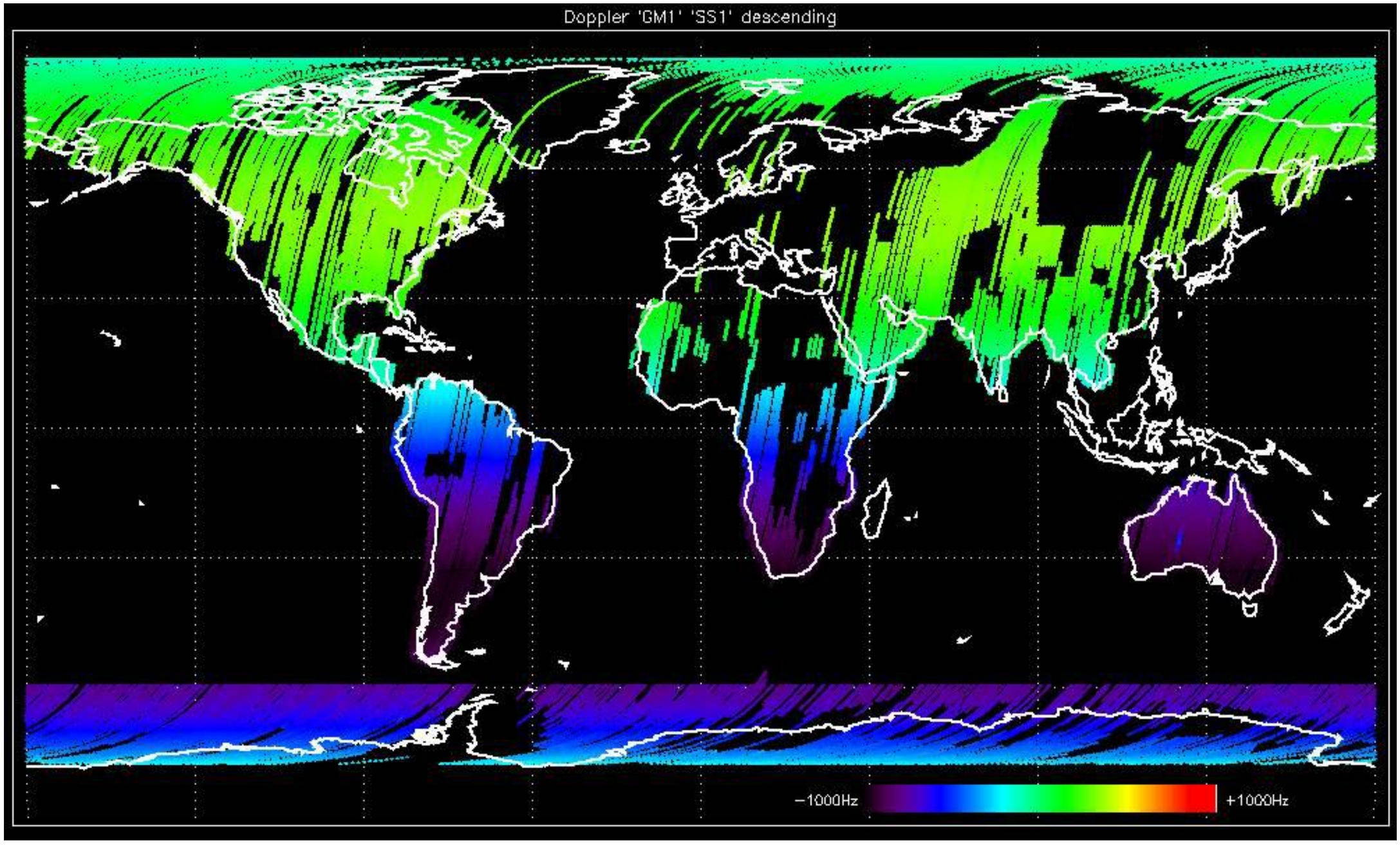

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

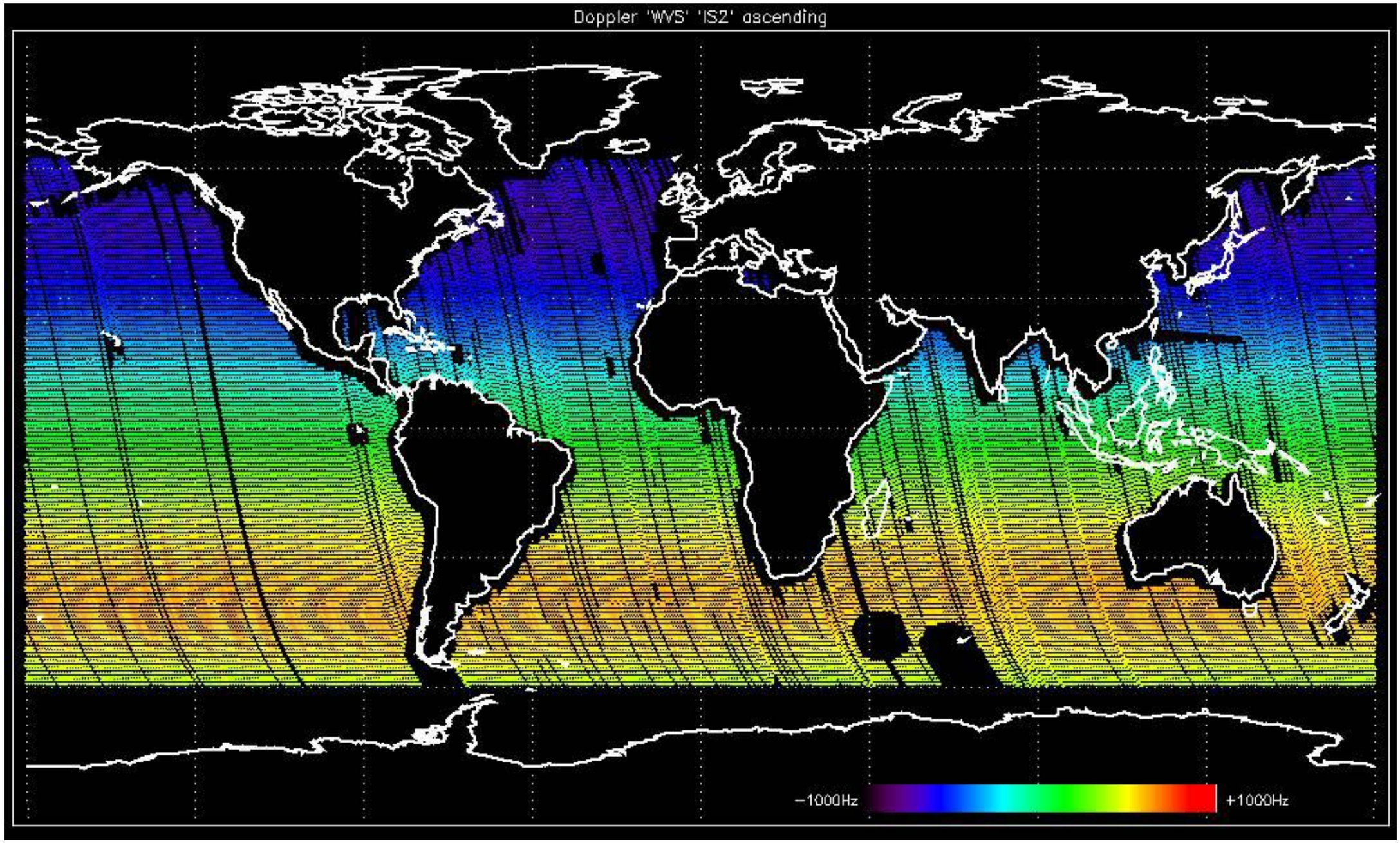

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

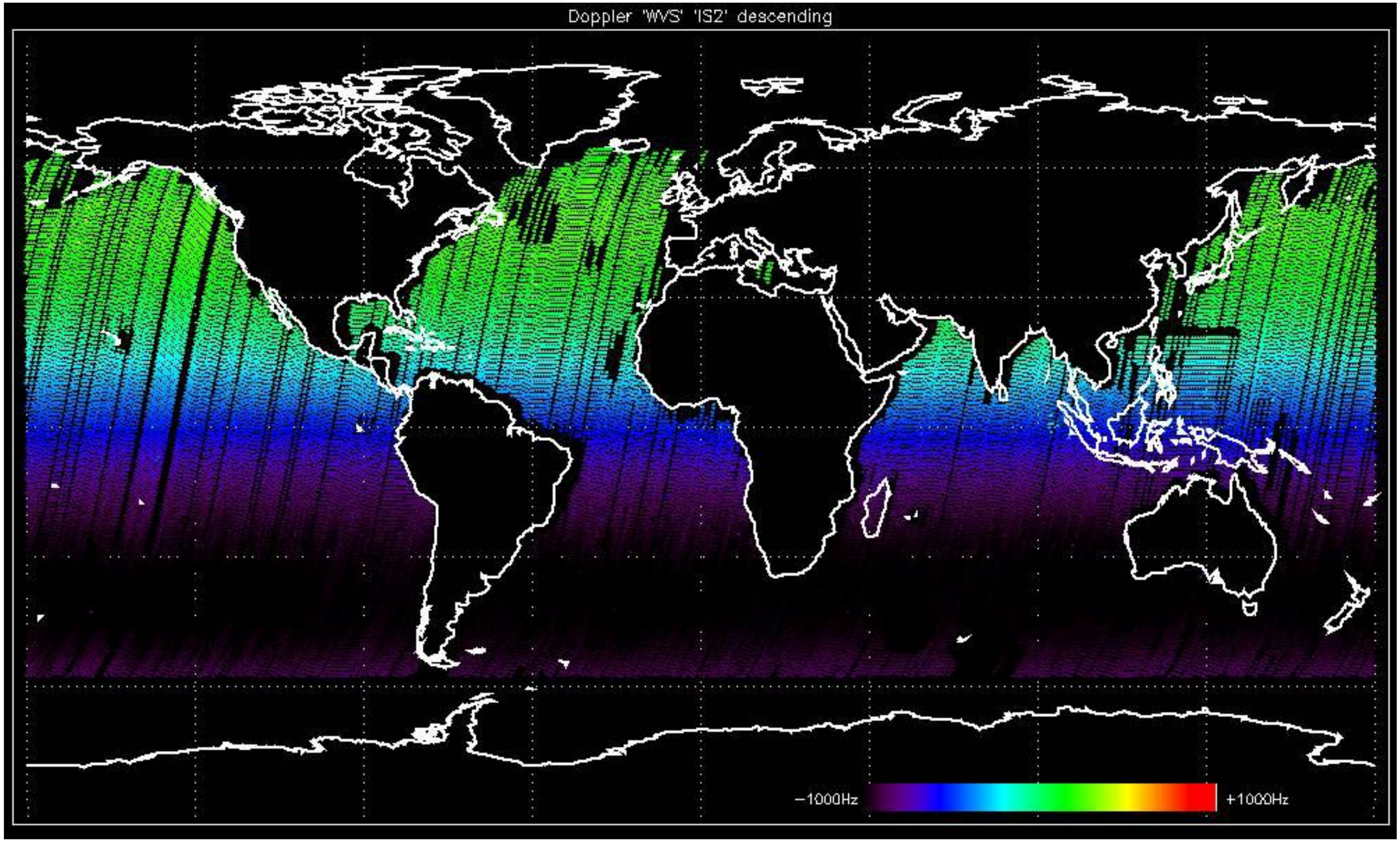
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

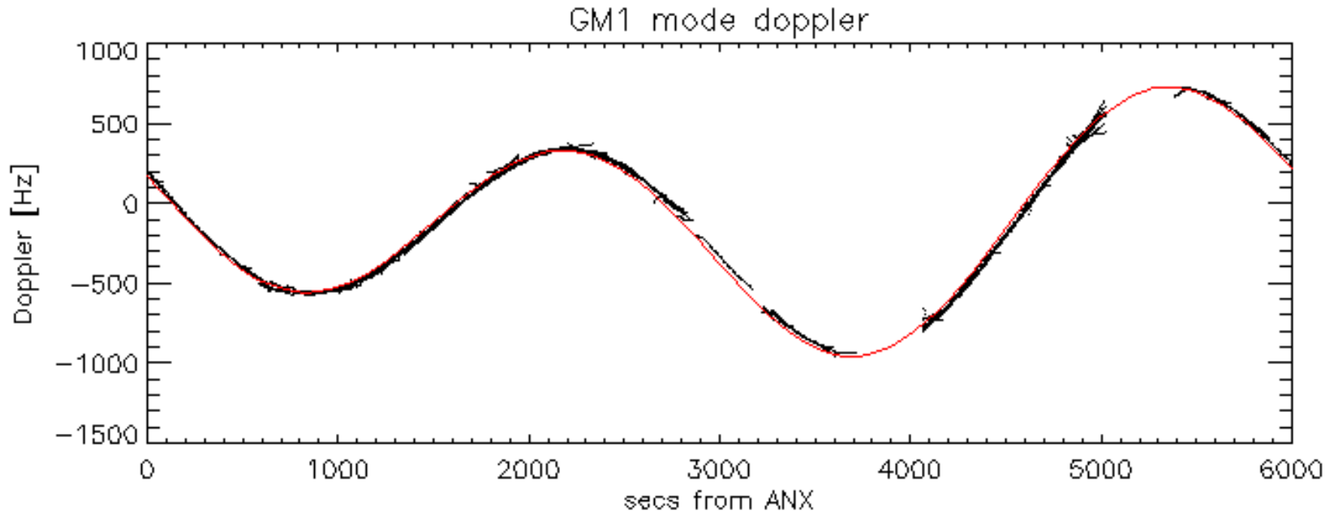
Preliminary report.The data is not yet controled

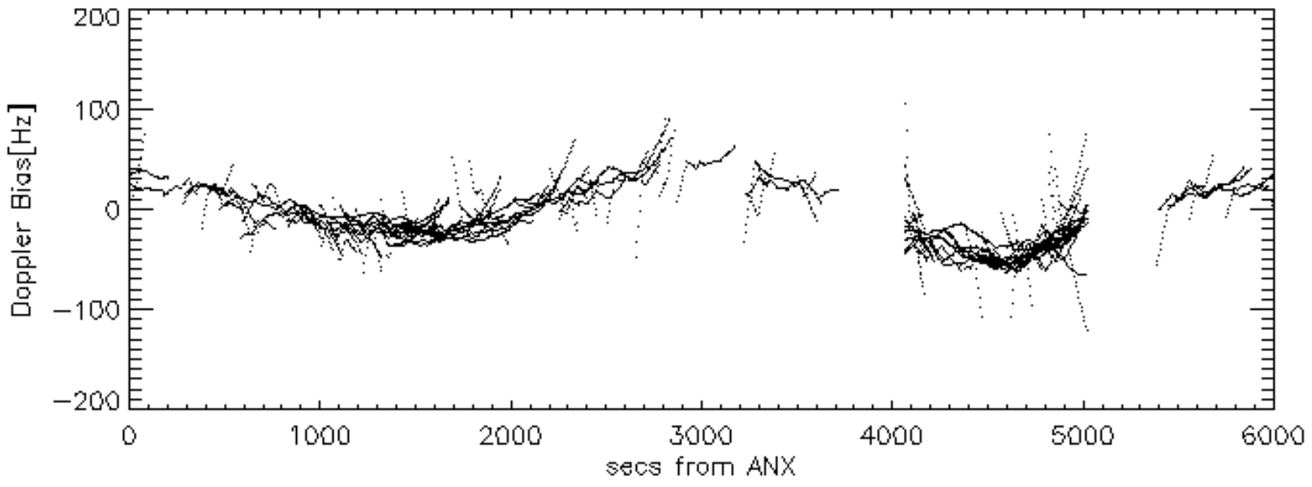

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

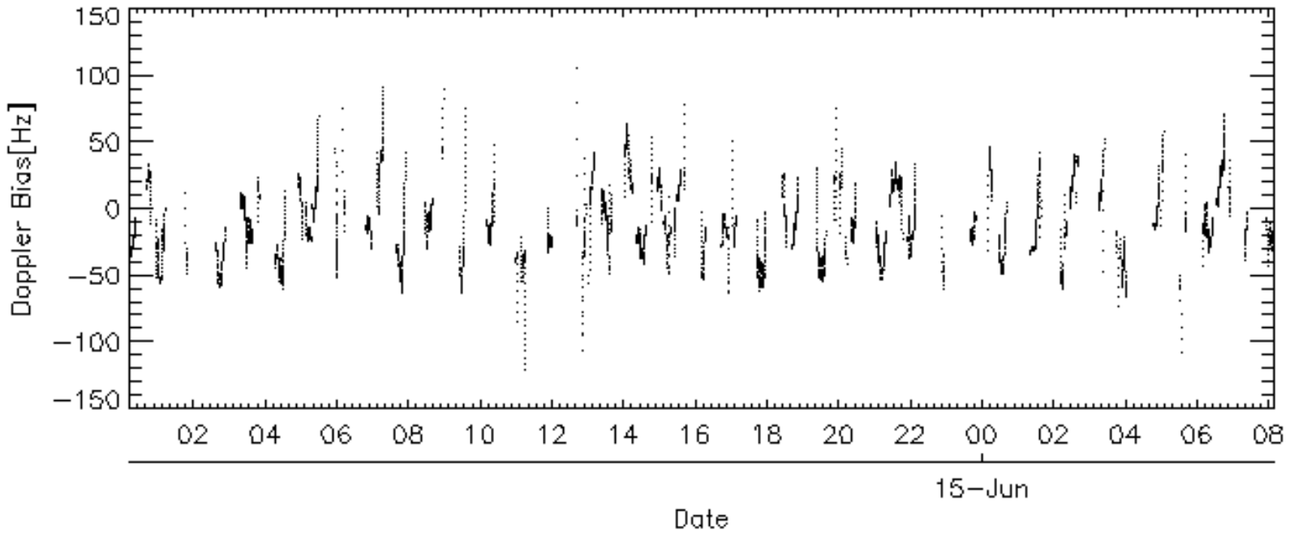

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

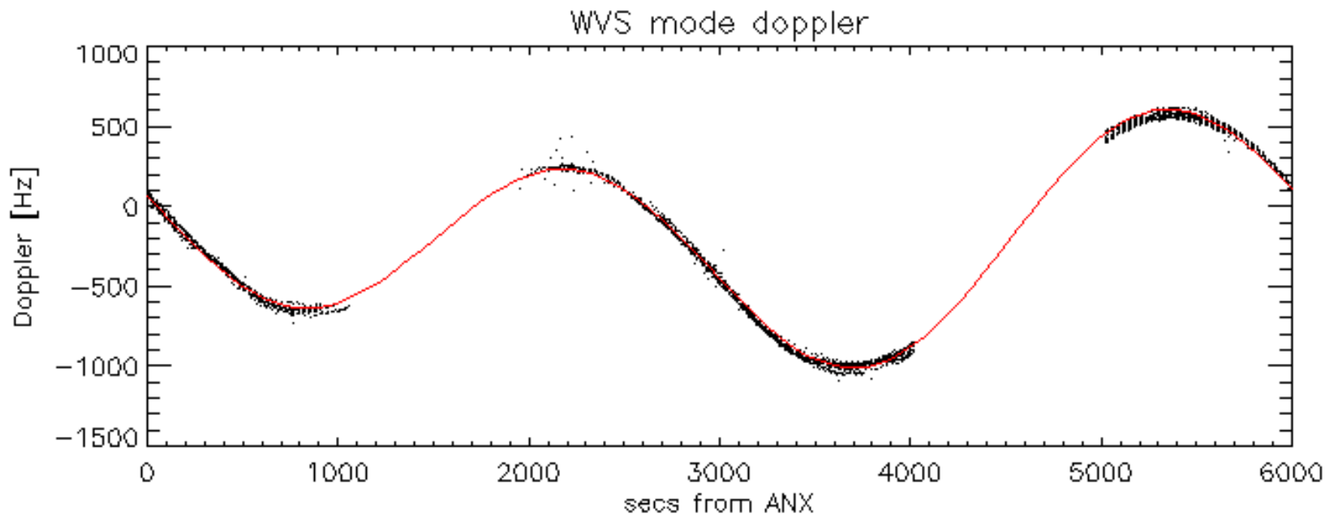

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

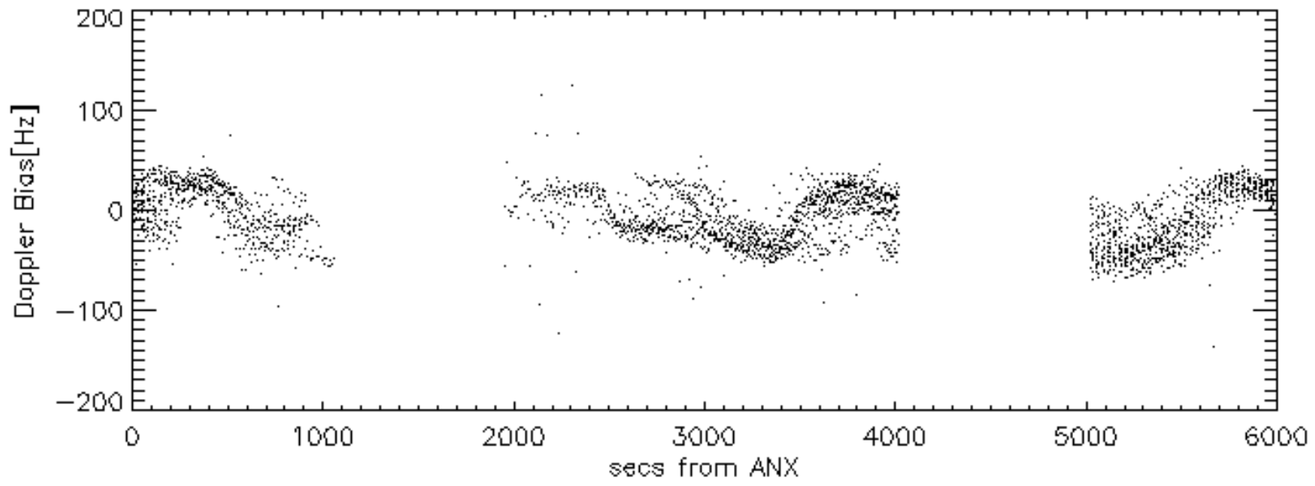

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

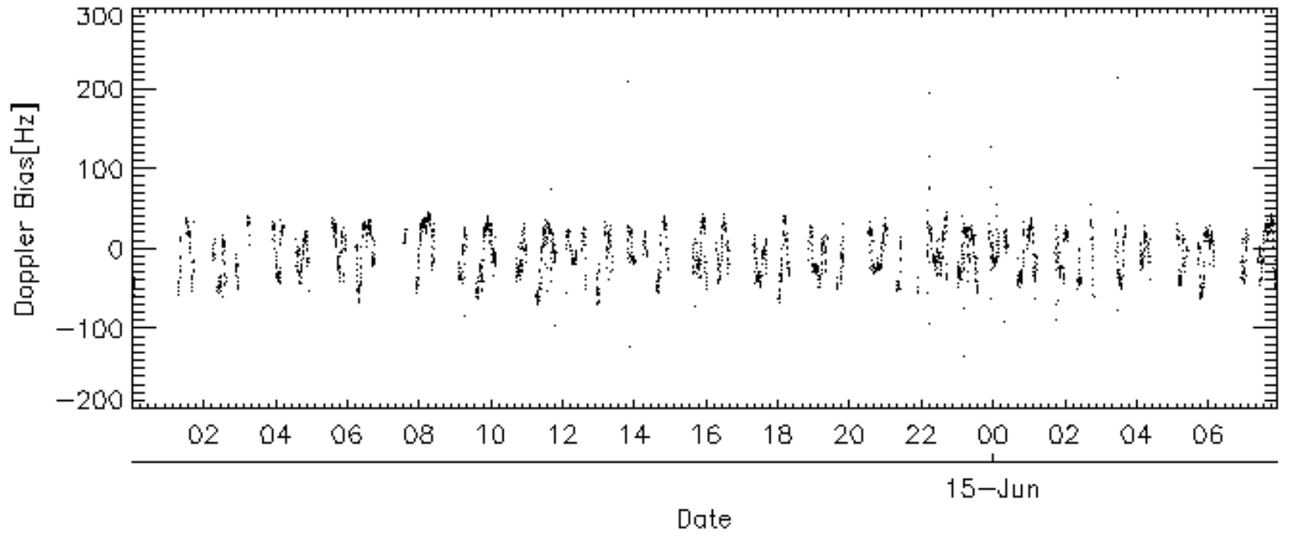

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

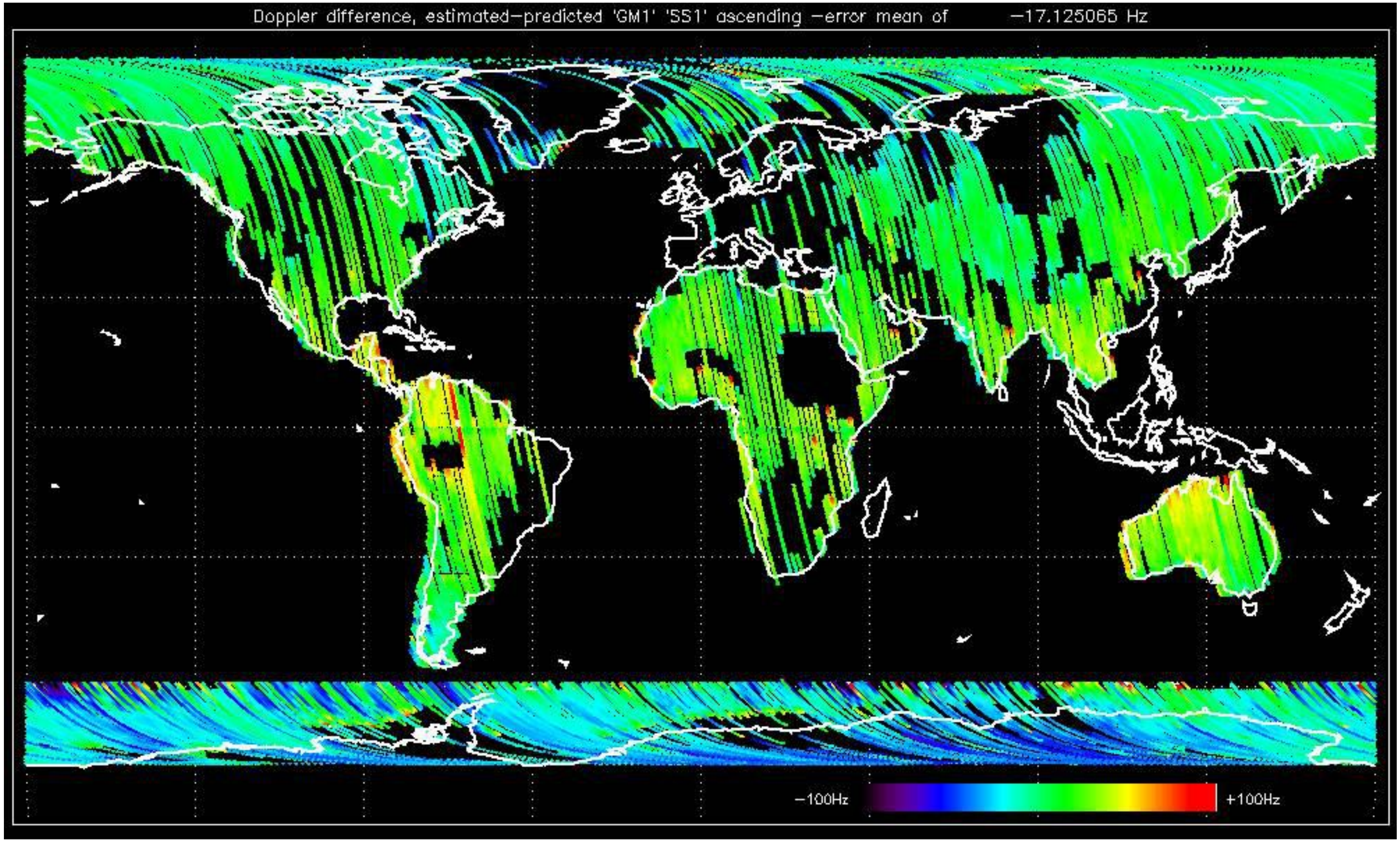

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

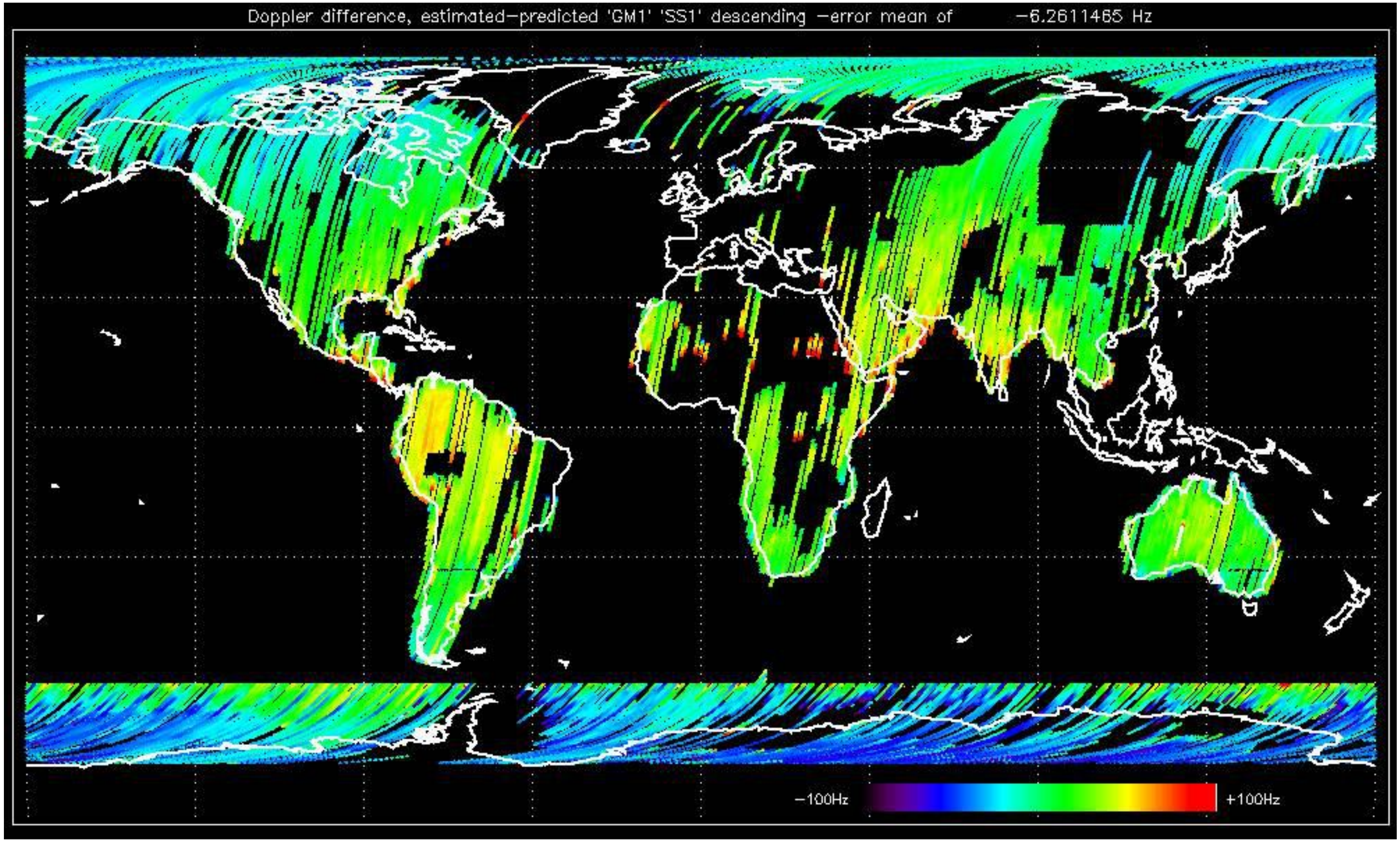

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
15−Jun
Date

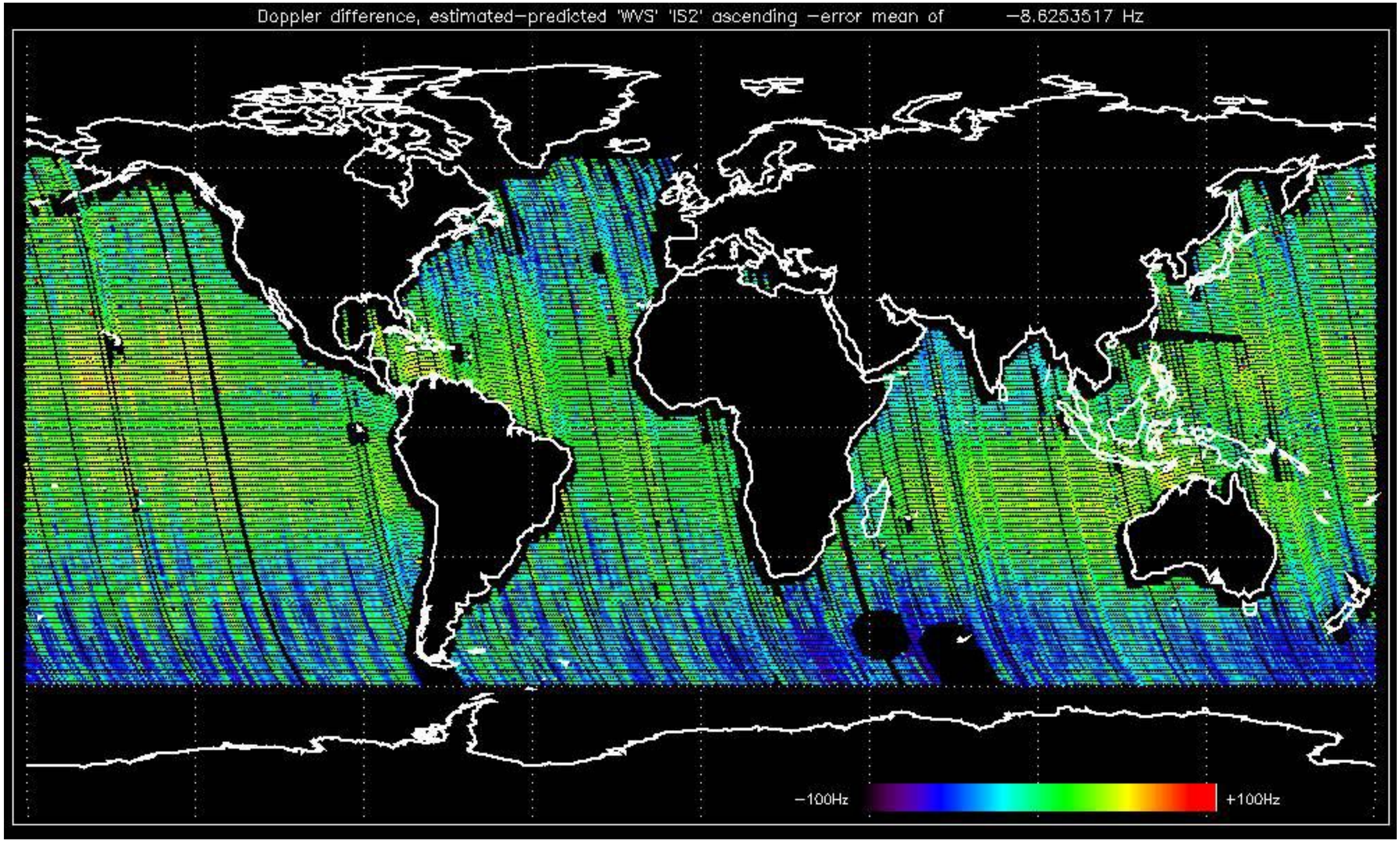

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

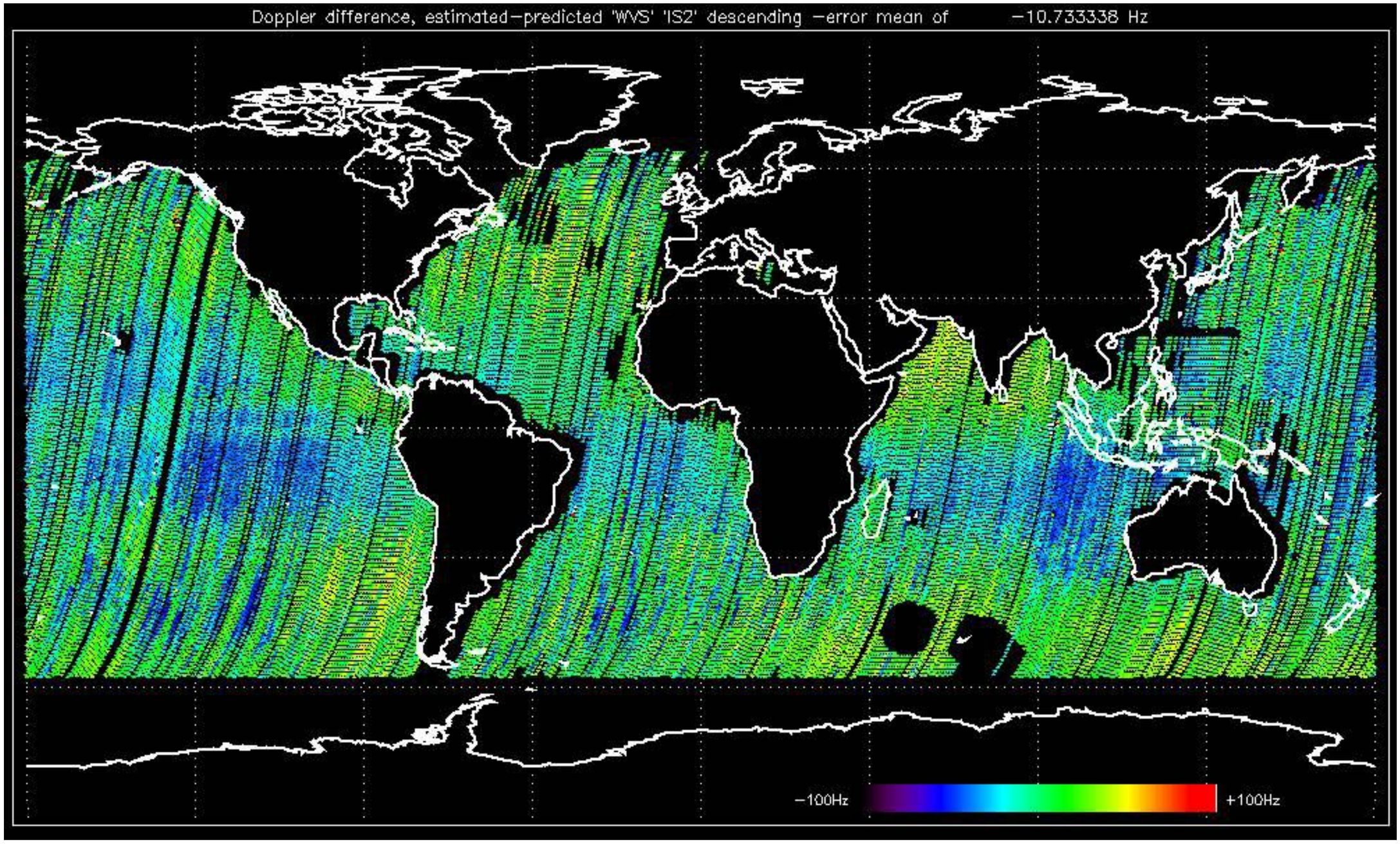

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.125065 Hz
−100Hz
+100Hz

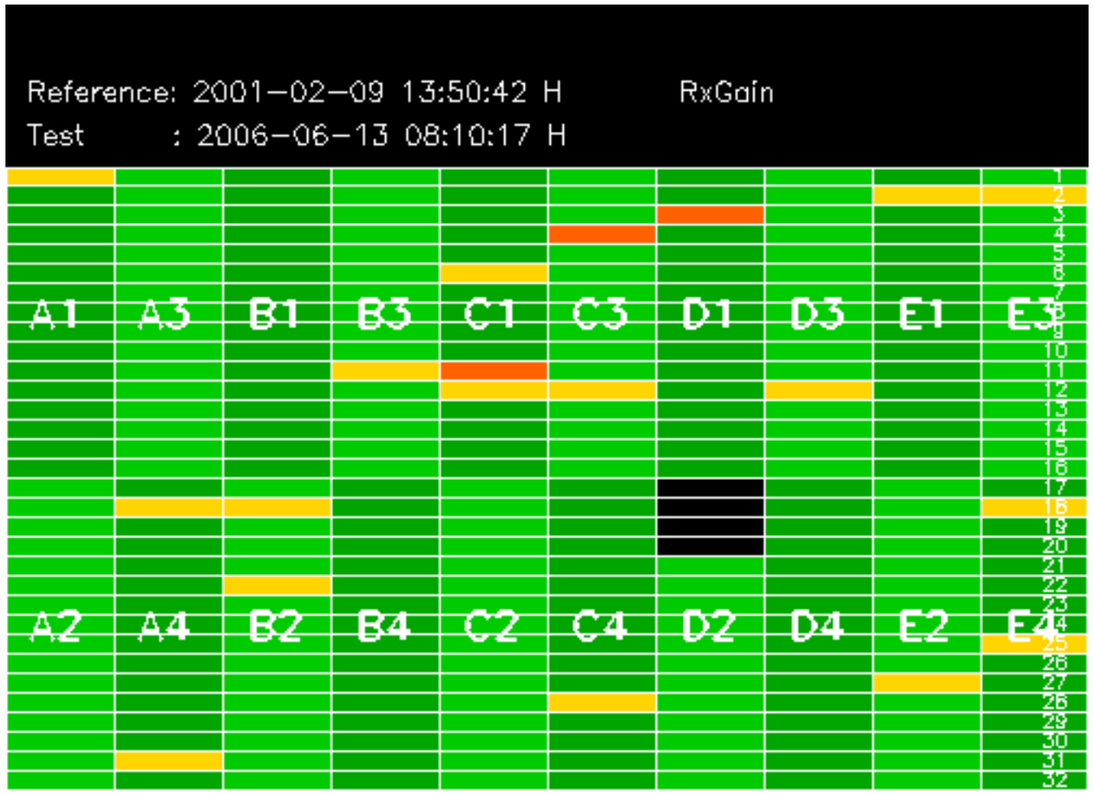

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −6.2611465 Hz
−100Hz
+100Hz

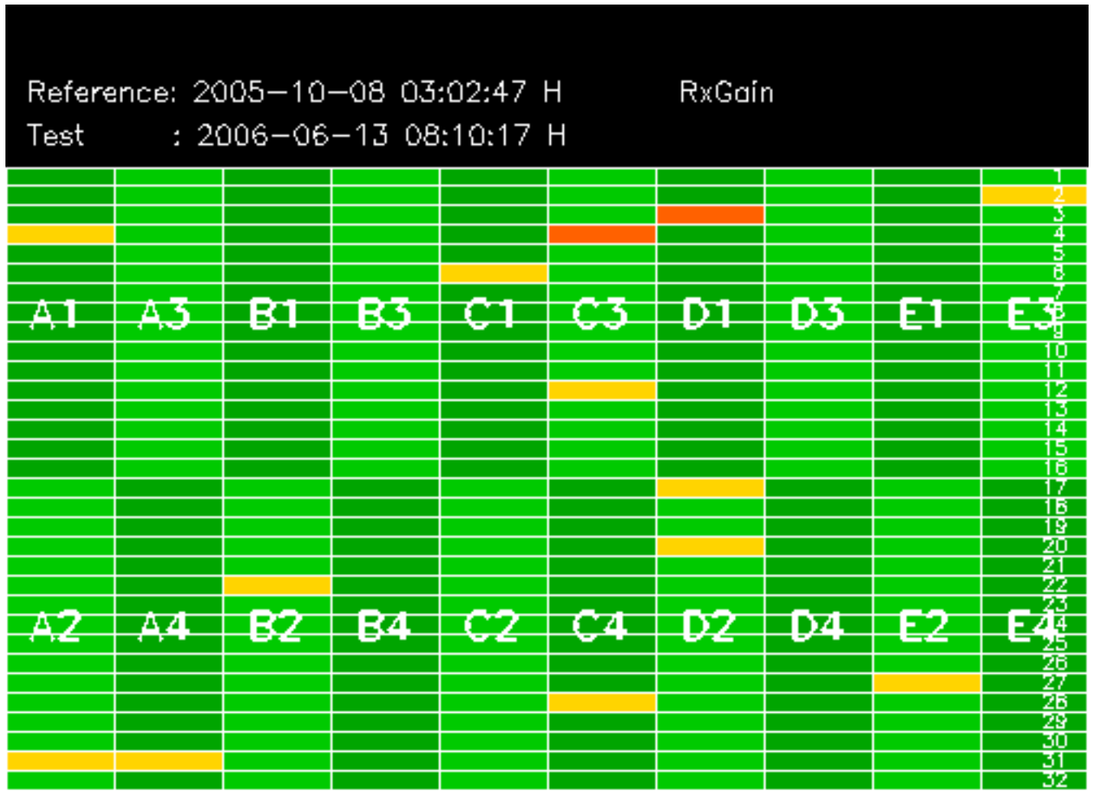

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −8.6253517 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.733338 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-13 08:10:17 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-06-13 08:10:17 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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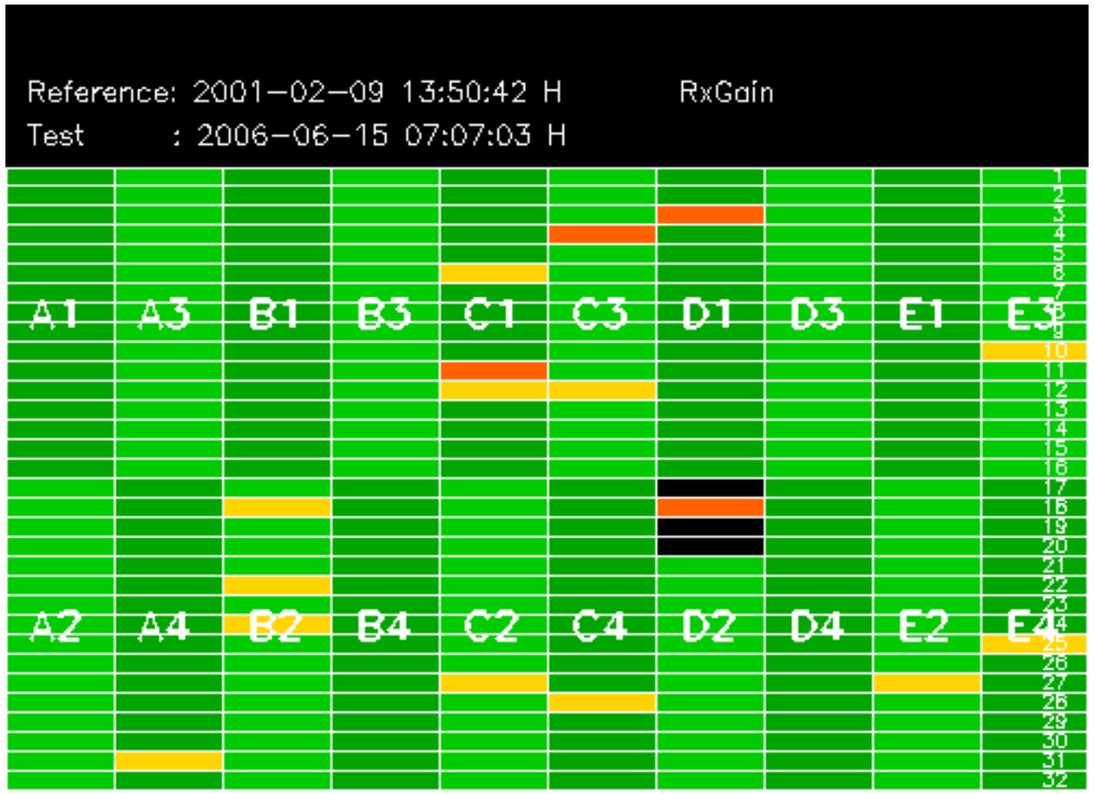
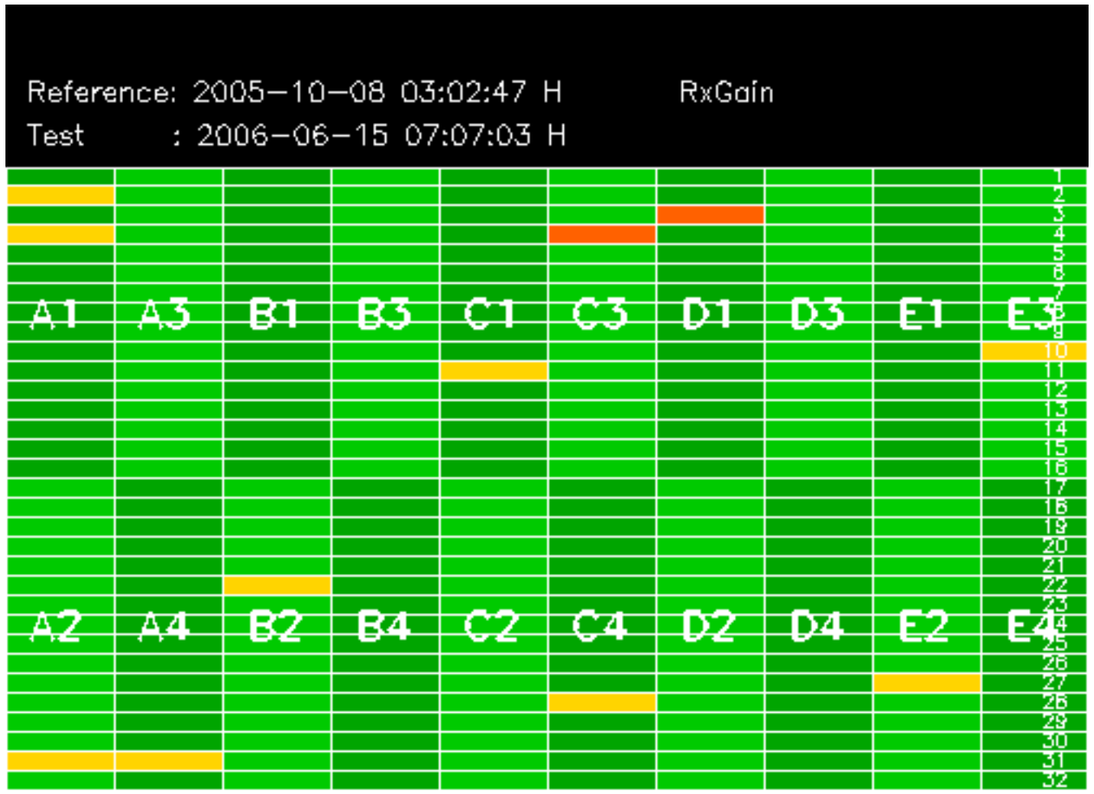

Reference: 2001-02-09 13:50:42 H
Test : 2006-06-15 07:07:03 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-06-15 07:07:03 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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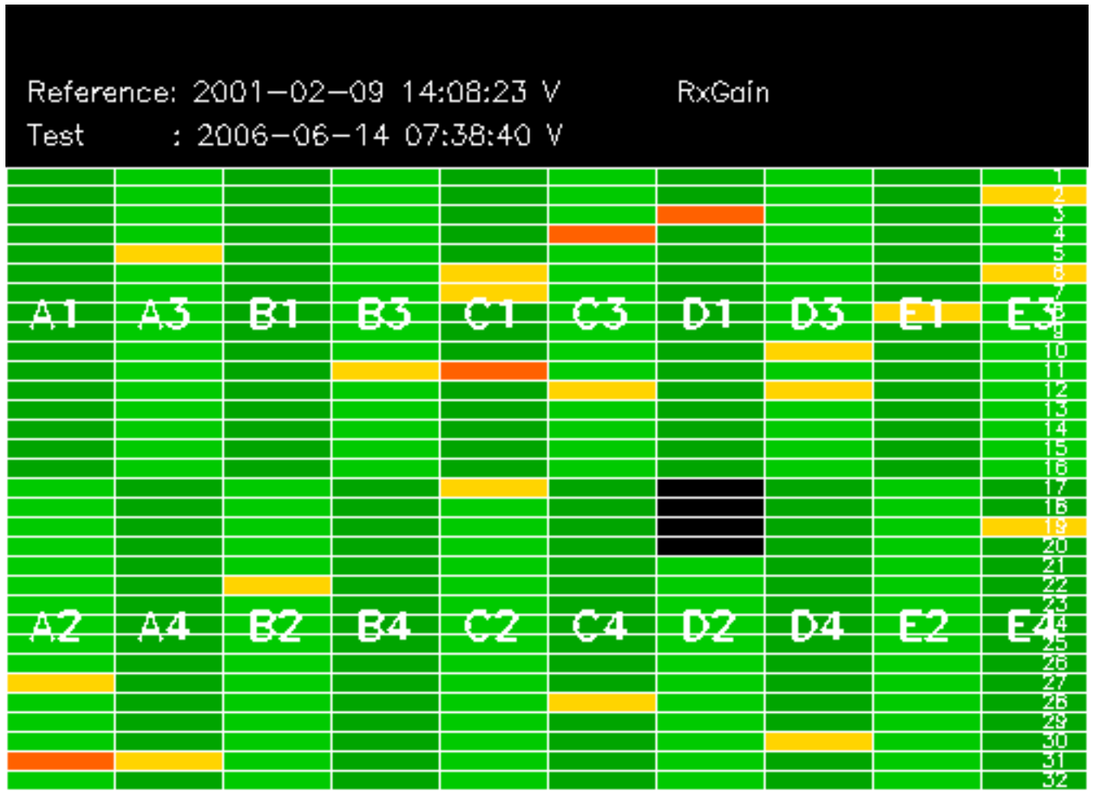
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-14 07:38:40 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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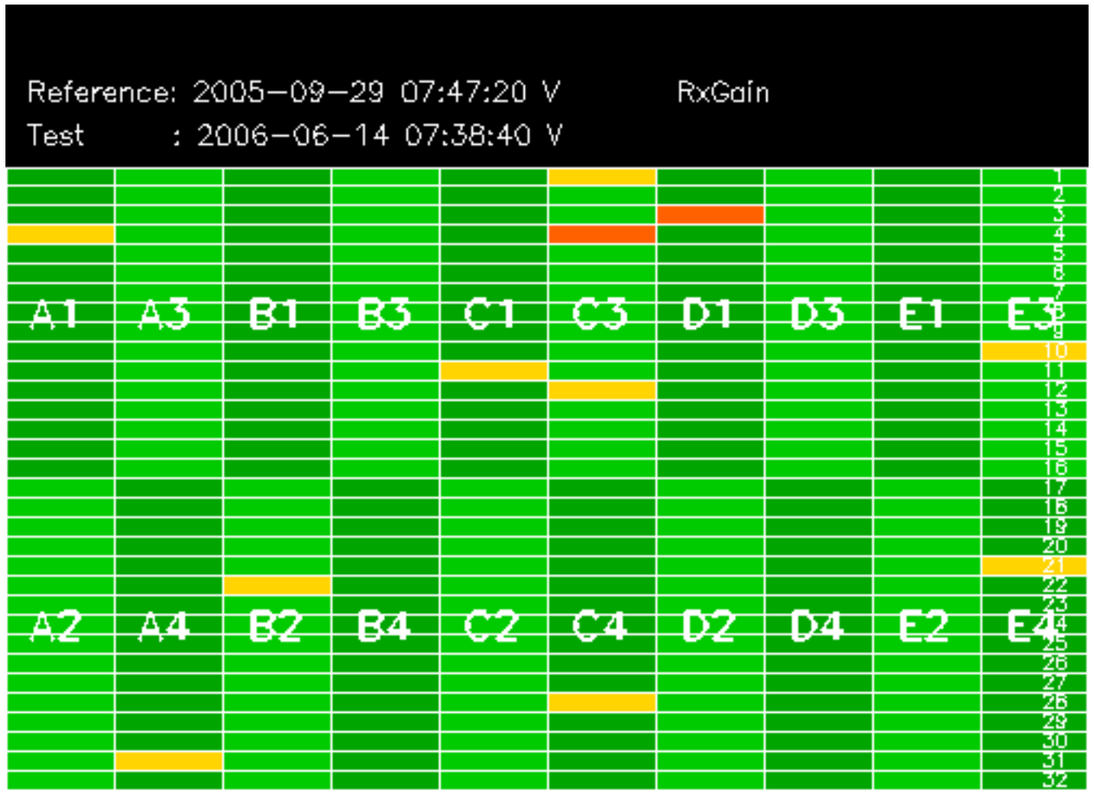
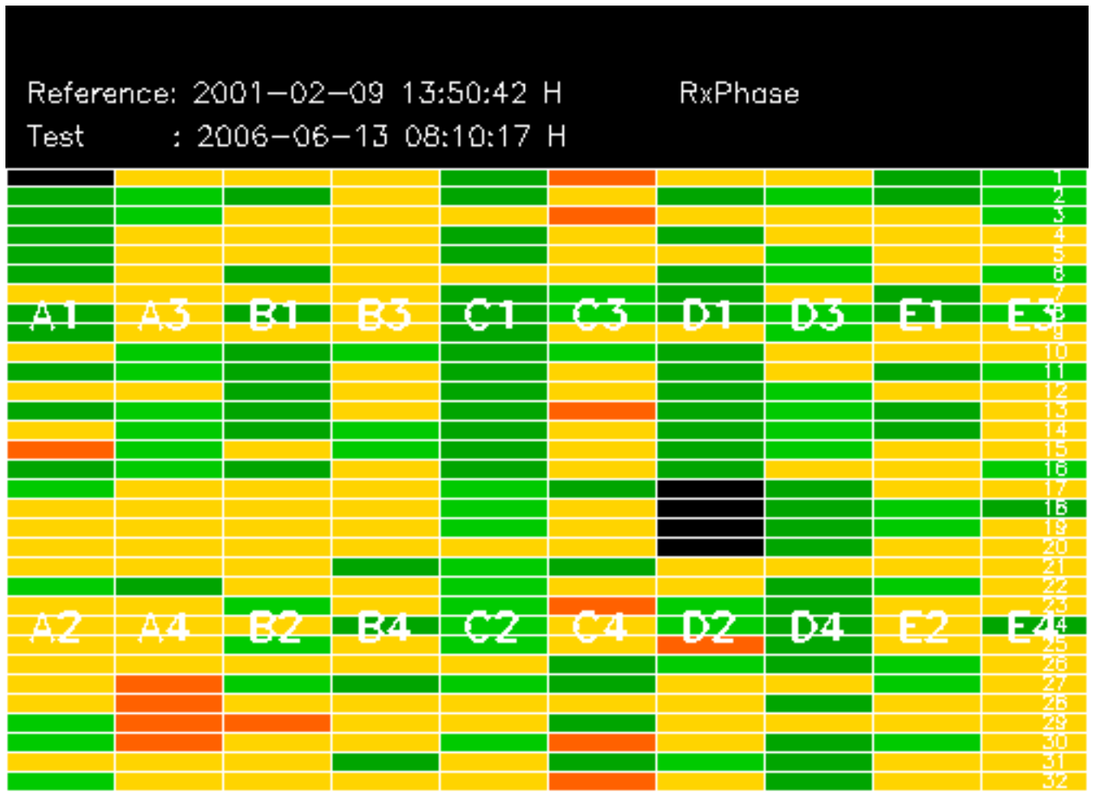
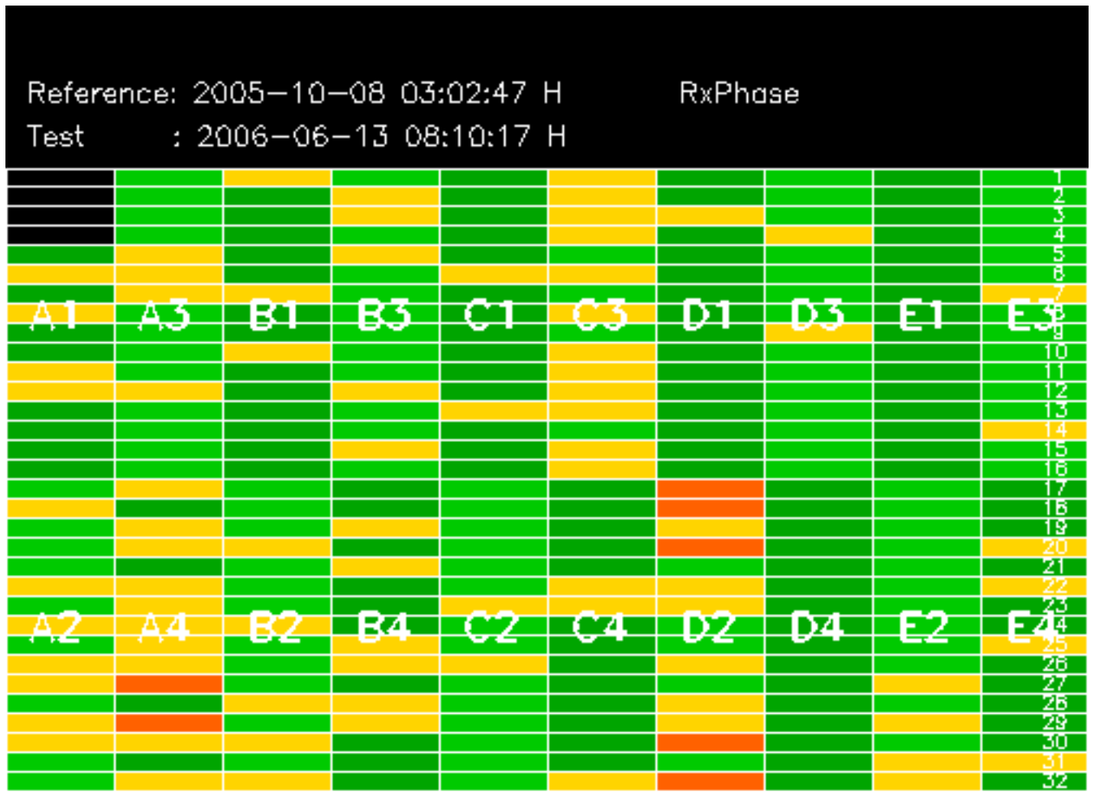

Reference: 2005-09-29 07:47:20 V
Test : 2006-06-14 07:38:40 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-13 08:10:17 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-06-13 08:10:17 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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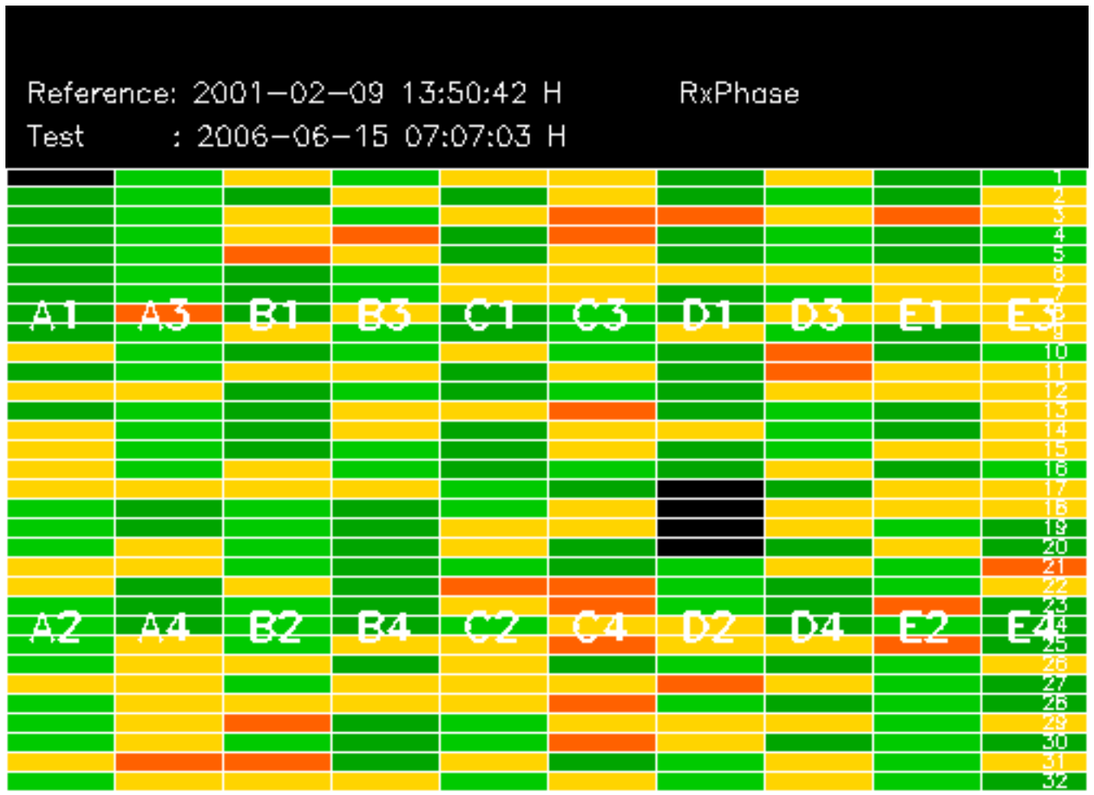
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-15 07:07:03 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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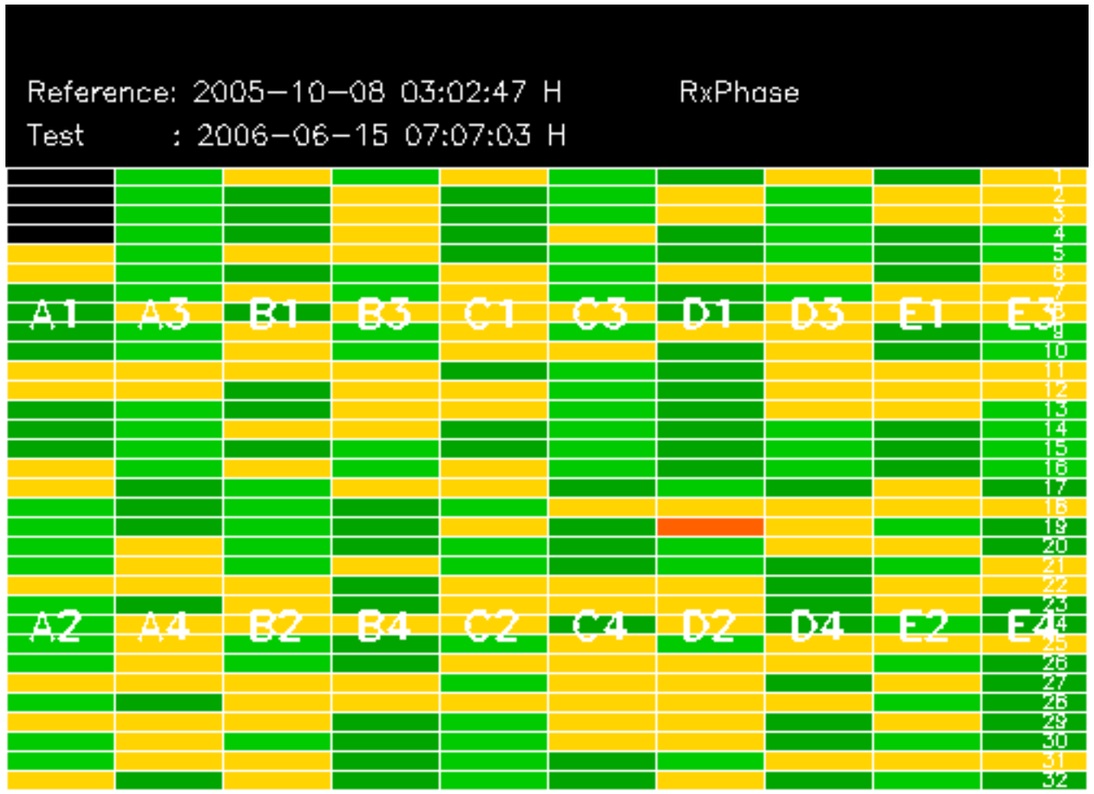
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-06-15 07:07:03 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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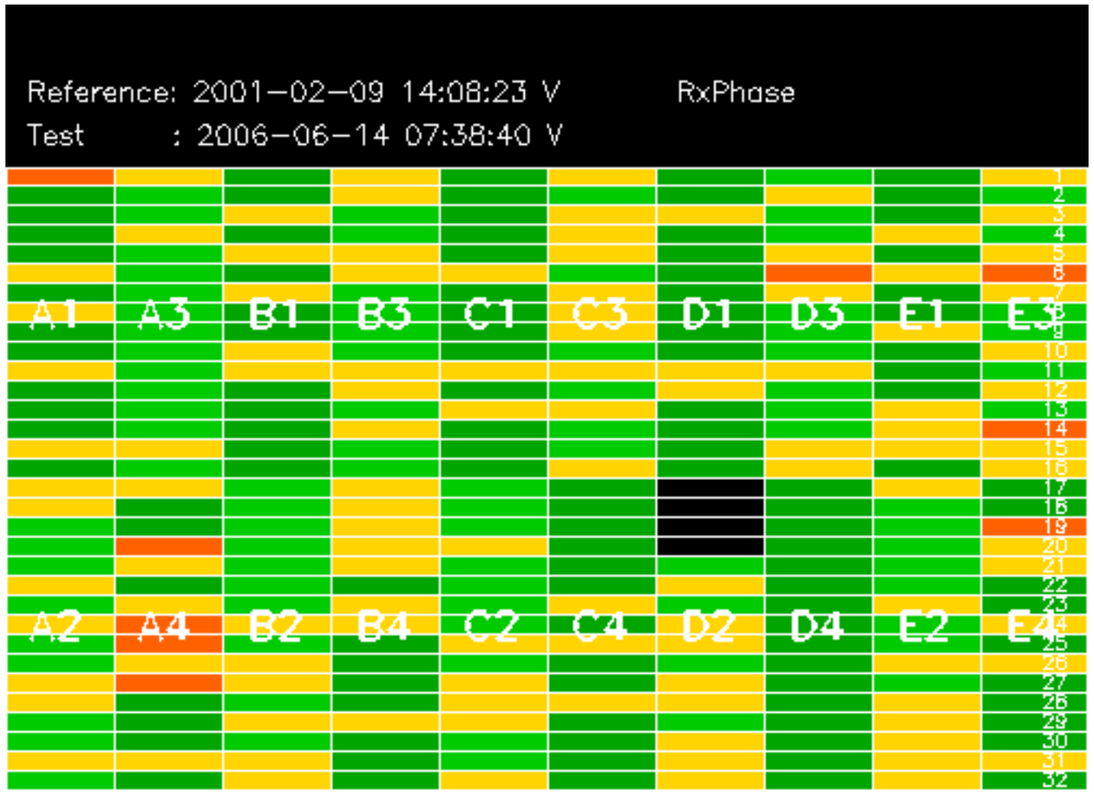
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-14 07:38:40 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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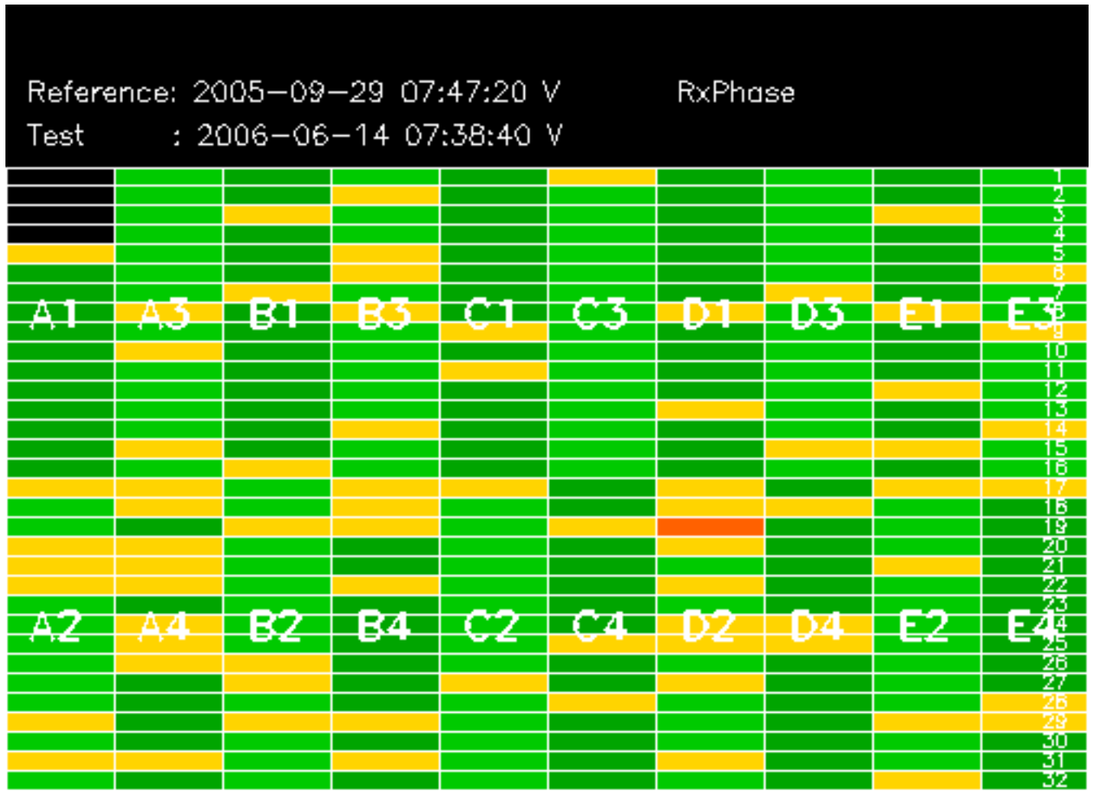
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-14 07:38:40 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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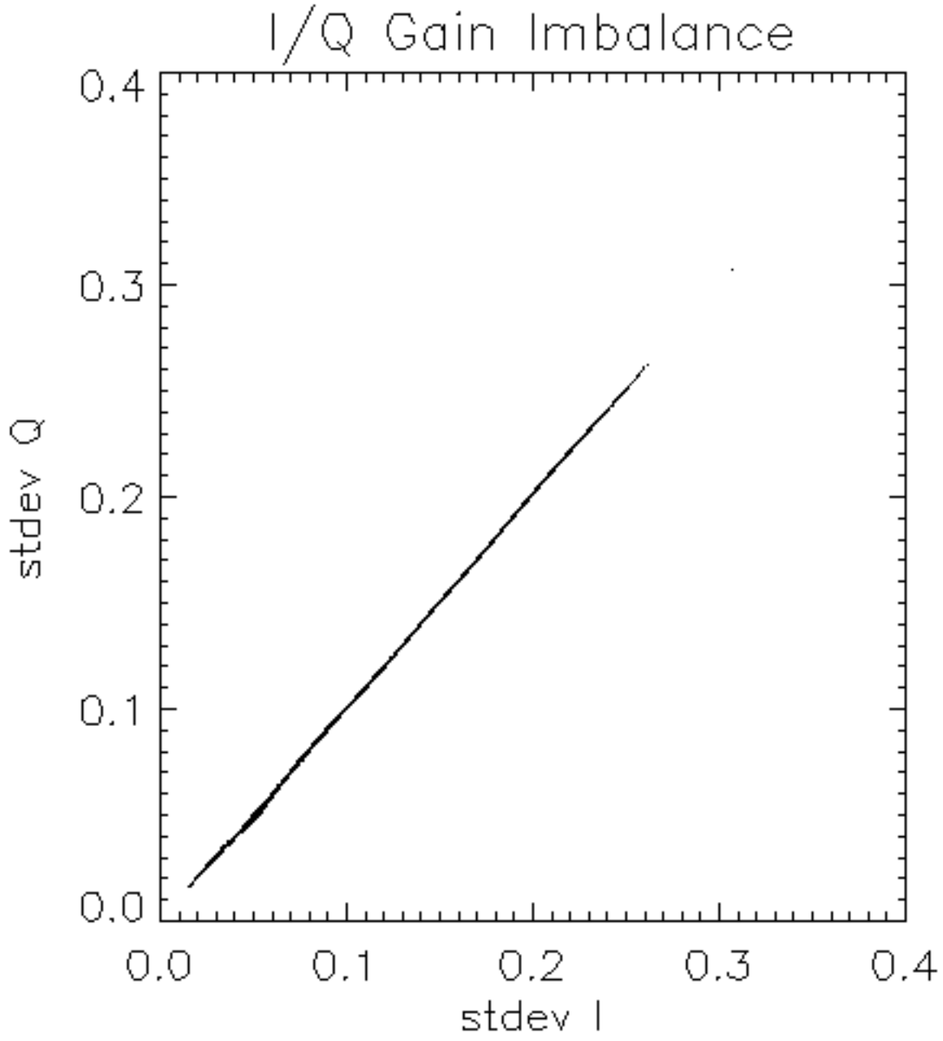
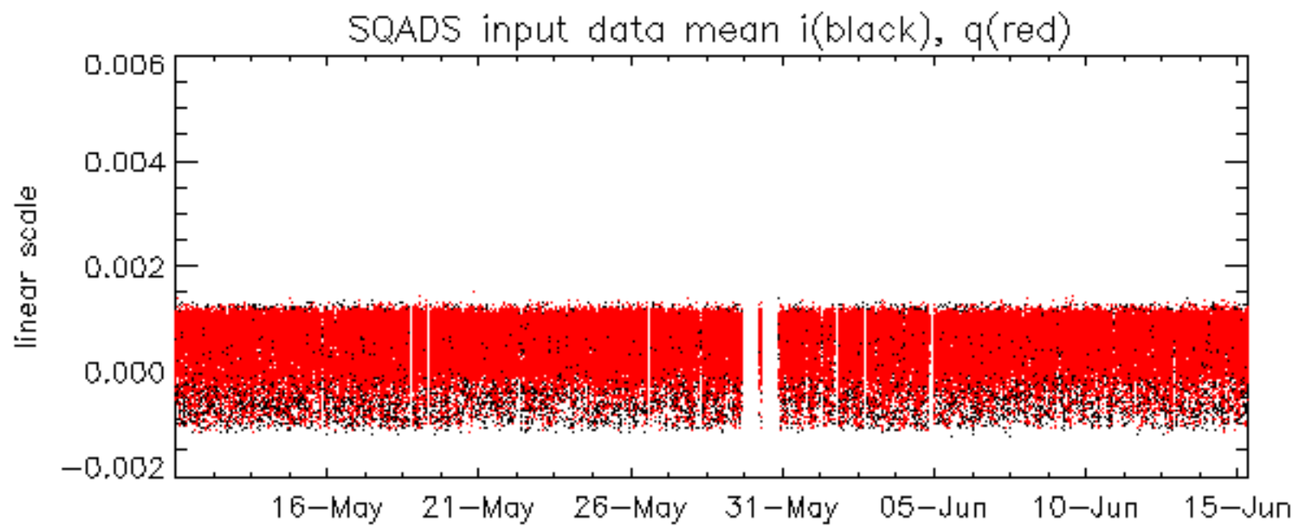
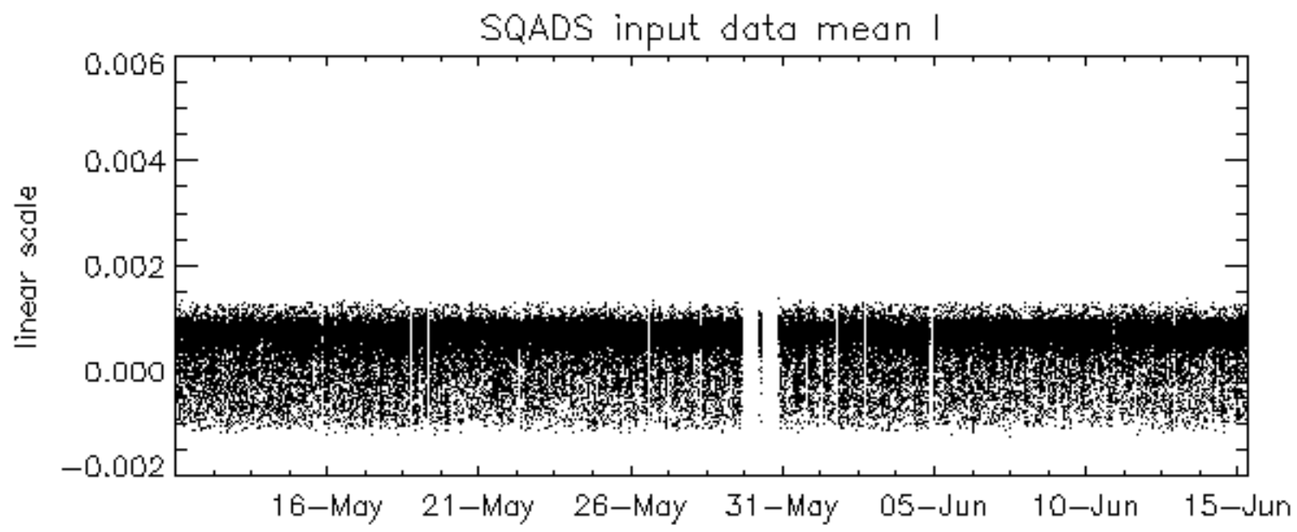
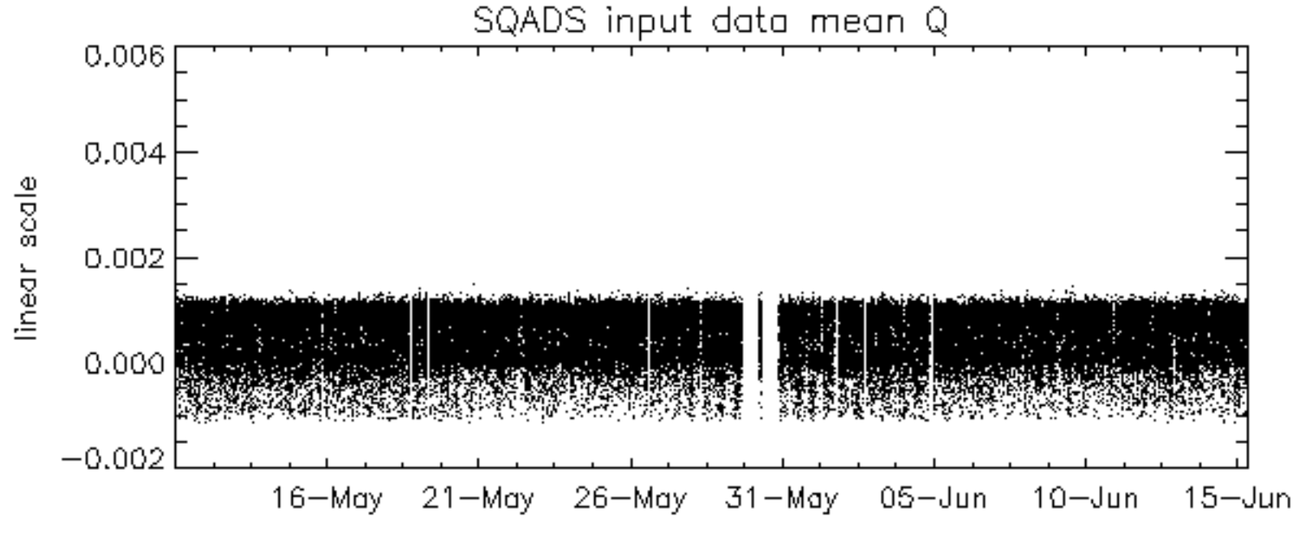
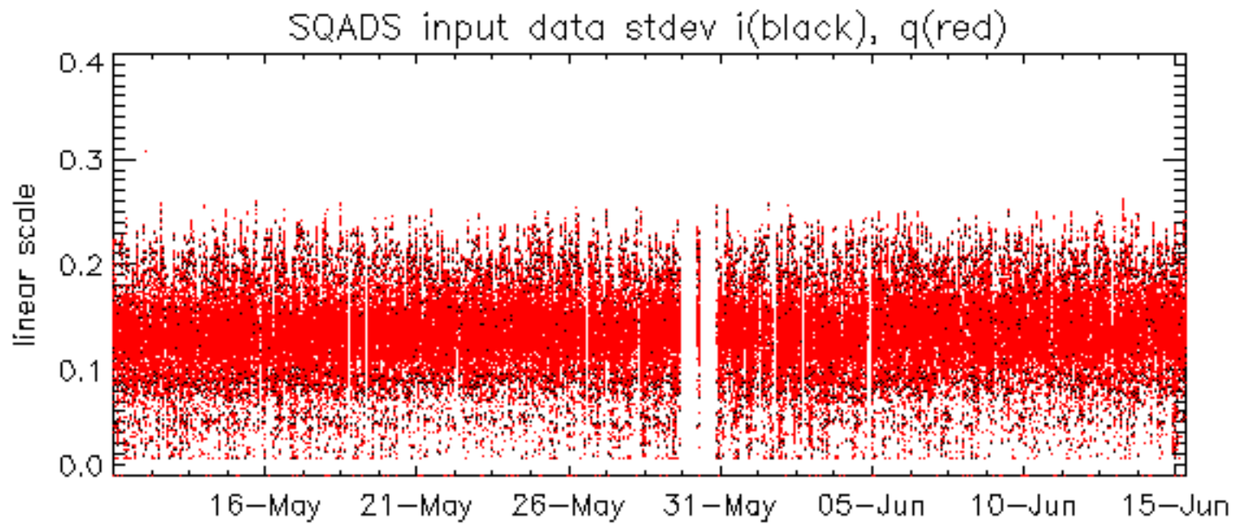
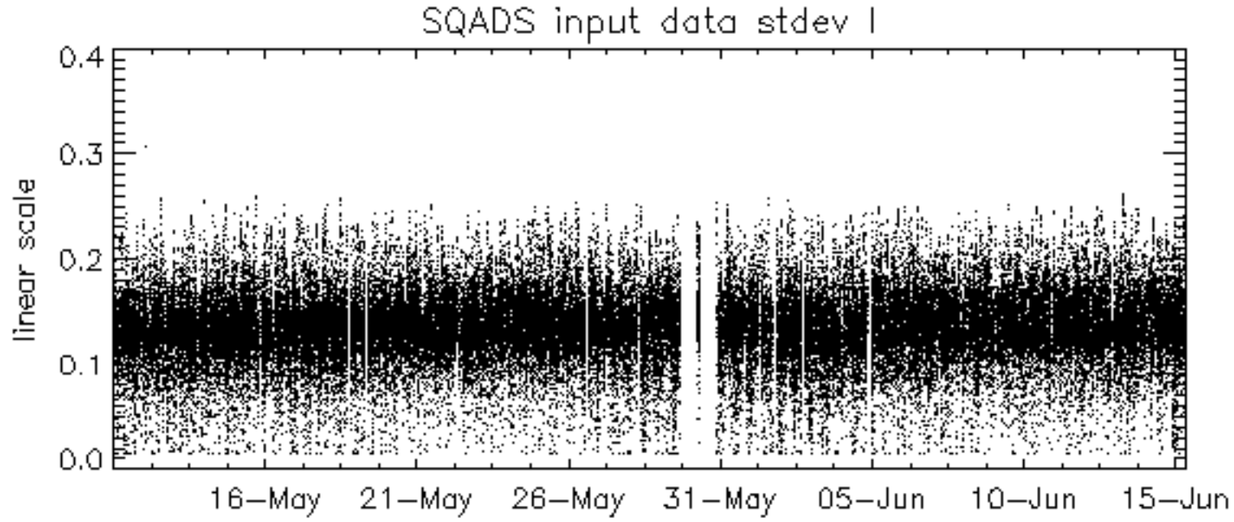

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

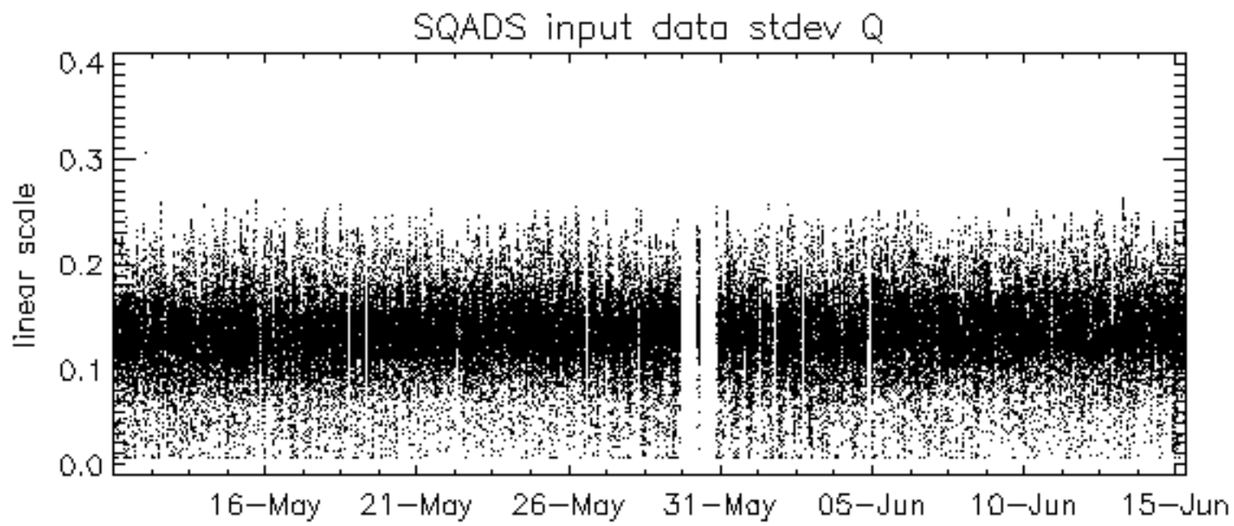

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−May
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun

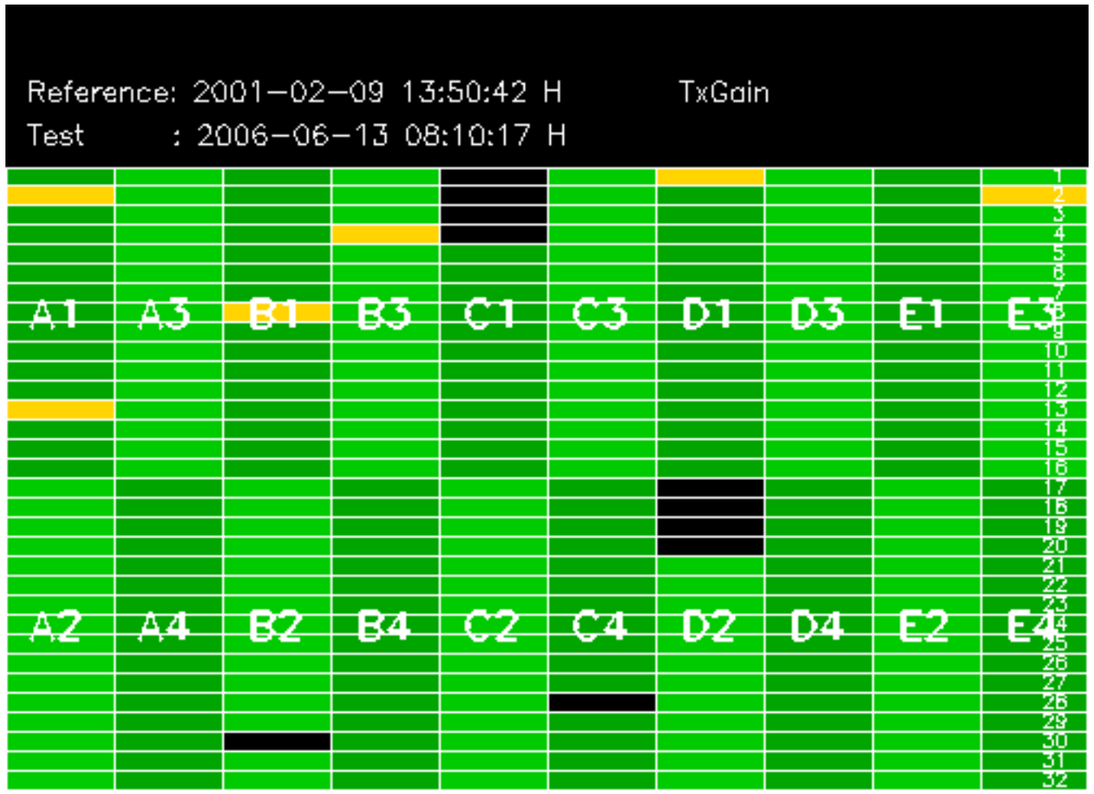

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−May
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−May
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16–May
21–May
26–May
31–May
05–Jun
10–Jun
15–Jun


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16–May
21–May
26–May
31–May
05–Jun
10–Jun
15–Jun


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
16–May
21–May
26–May
31–May
05–Jun
10–Jun
15–Jun


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-13 08:10:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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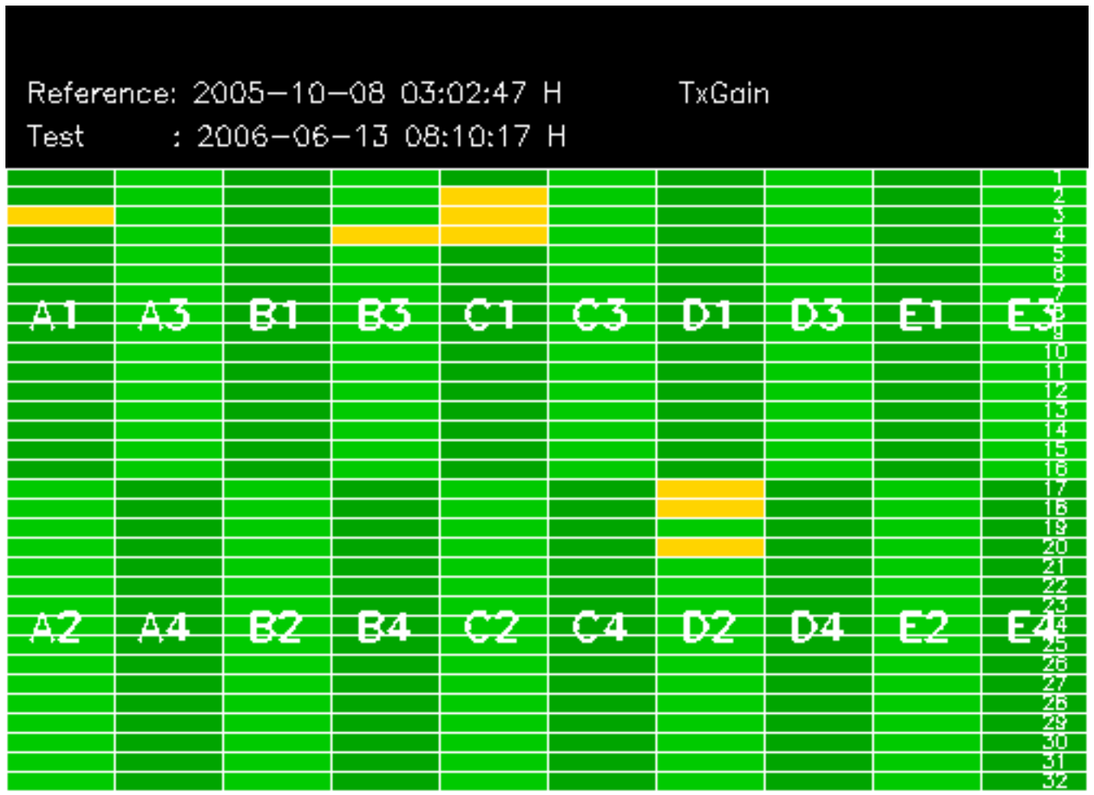
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-13 08:10:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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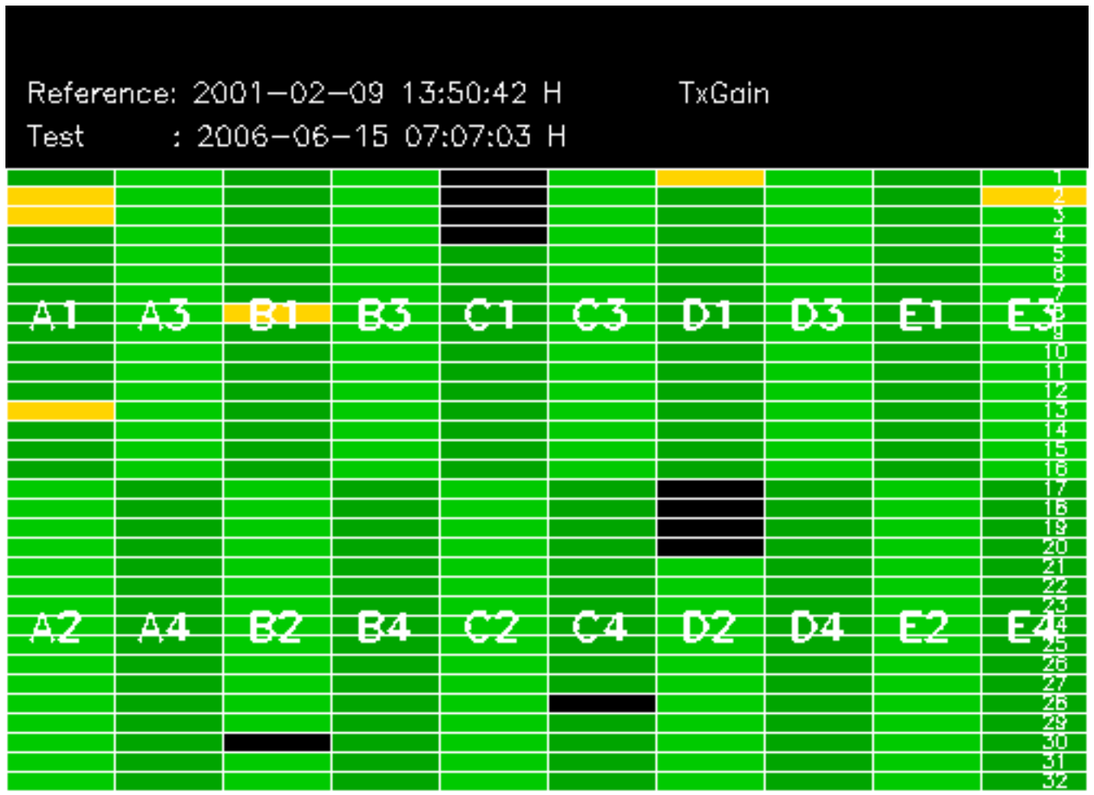
Reference: 2001-02-09 13:50:42 H
Test : 2006-06-15 07:07:03 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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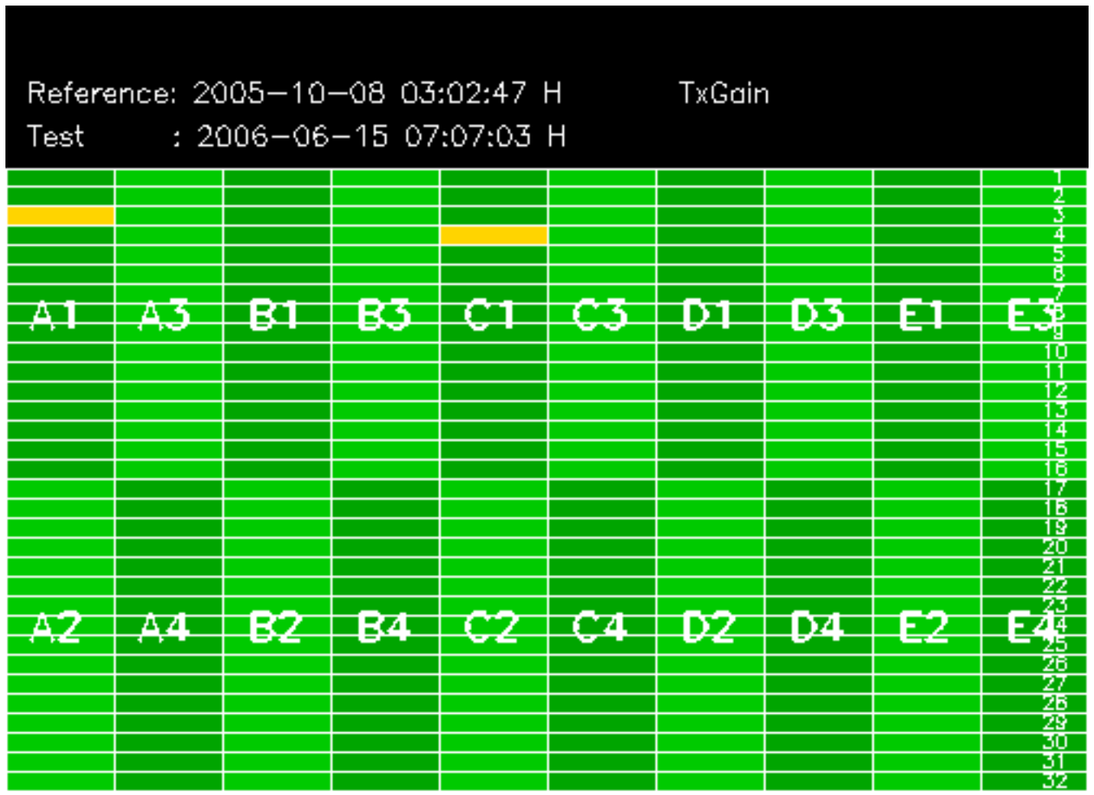
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-15 07:07:03 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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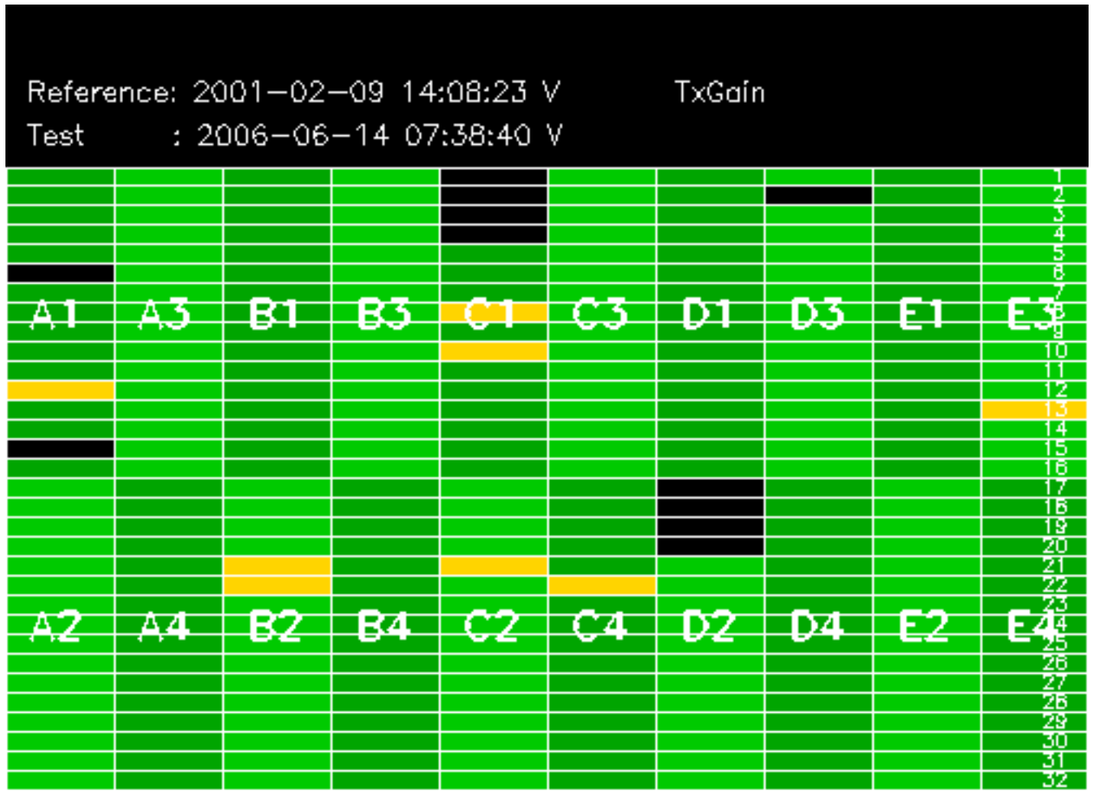
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-14 07:38:40 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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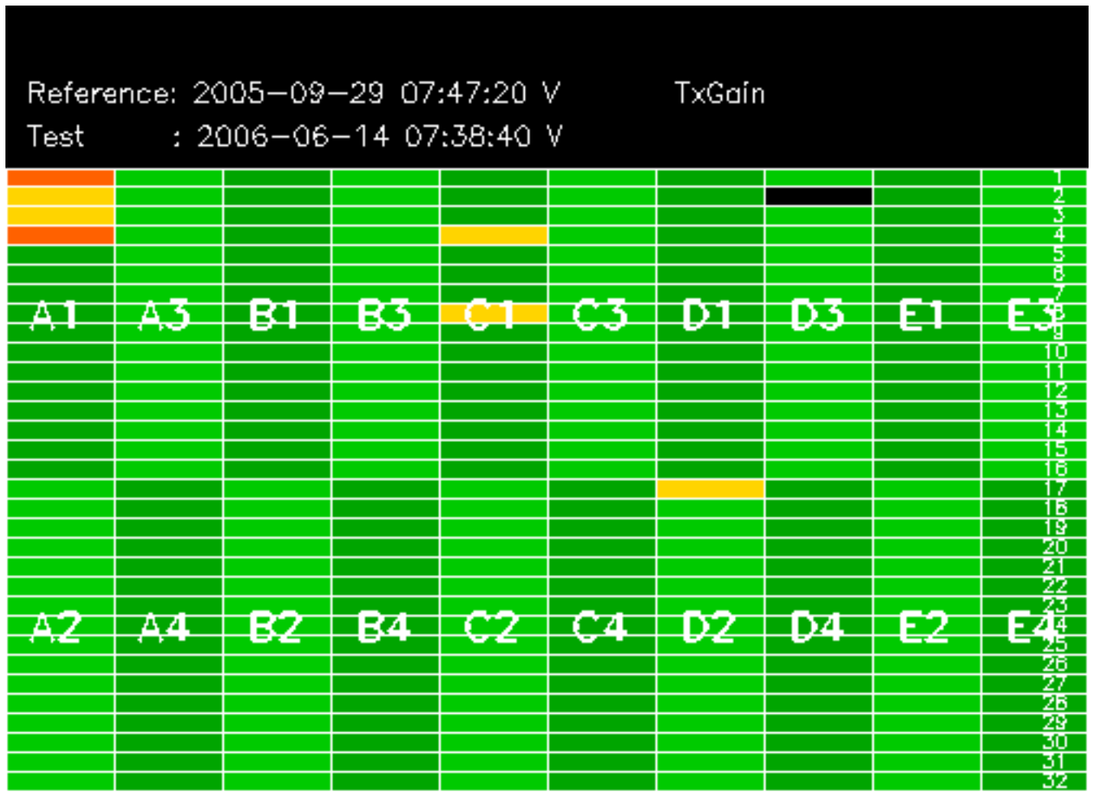
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-14 07:38:40 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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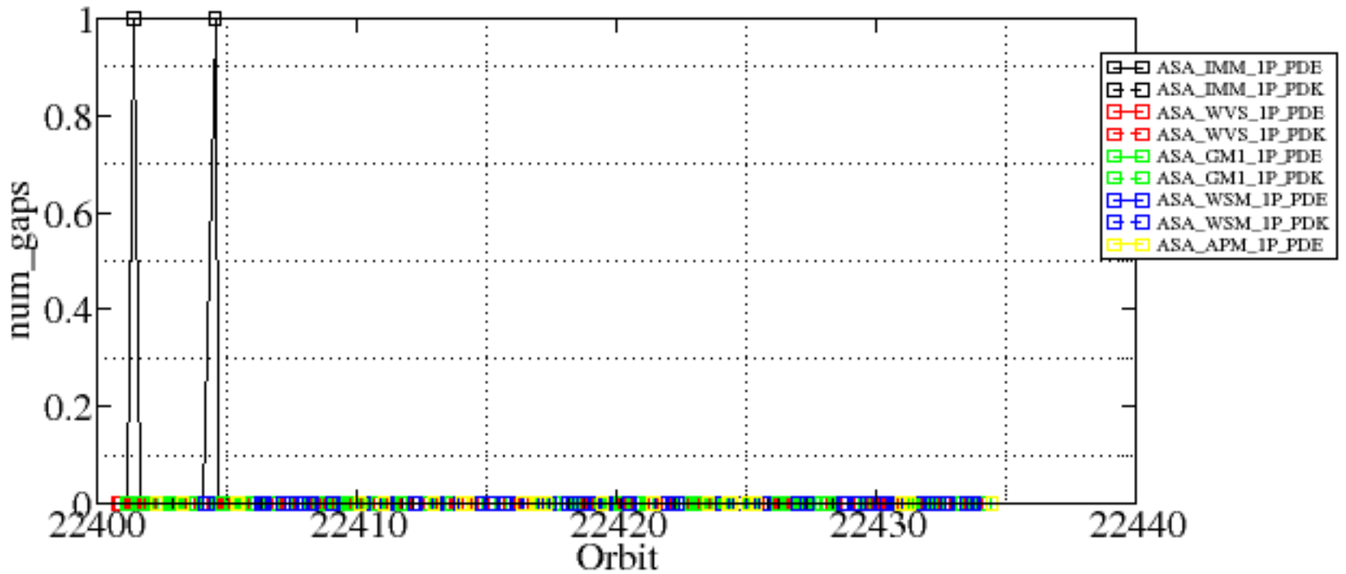
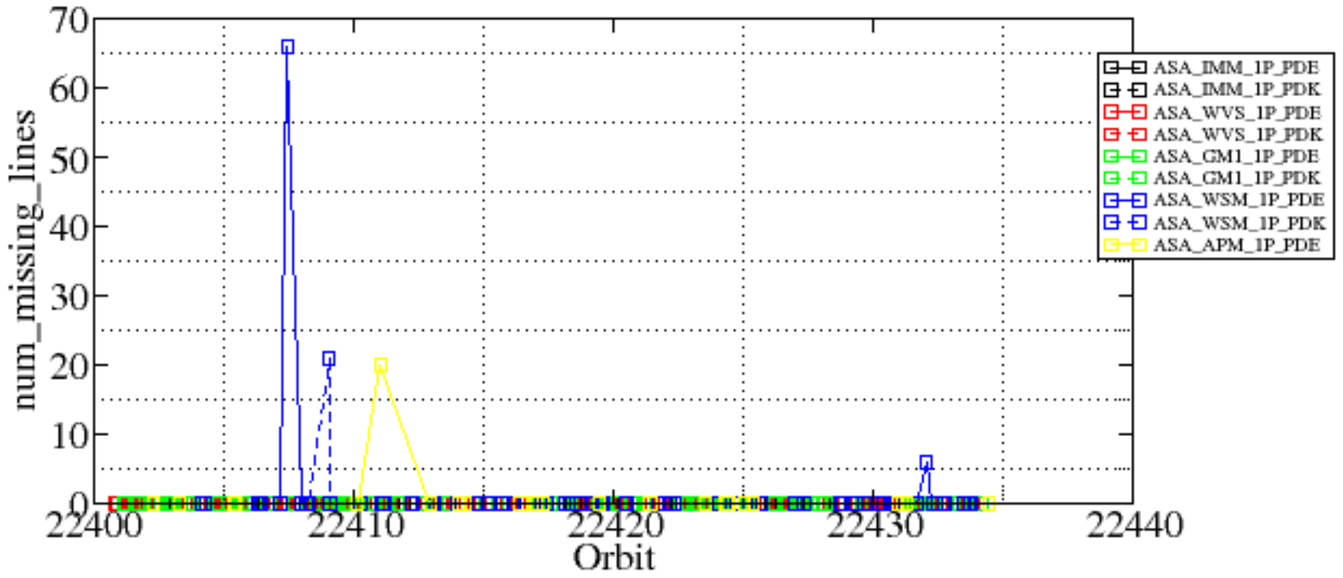
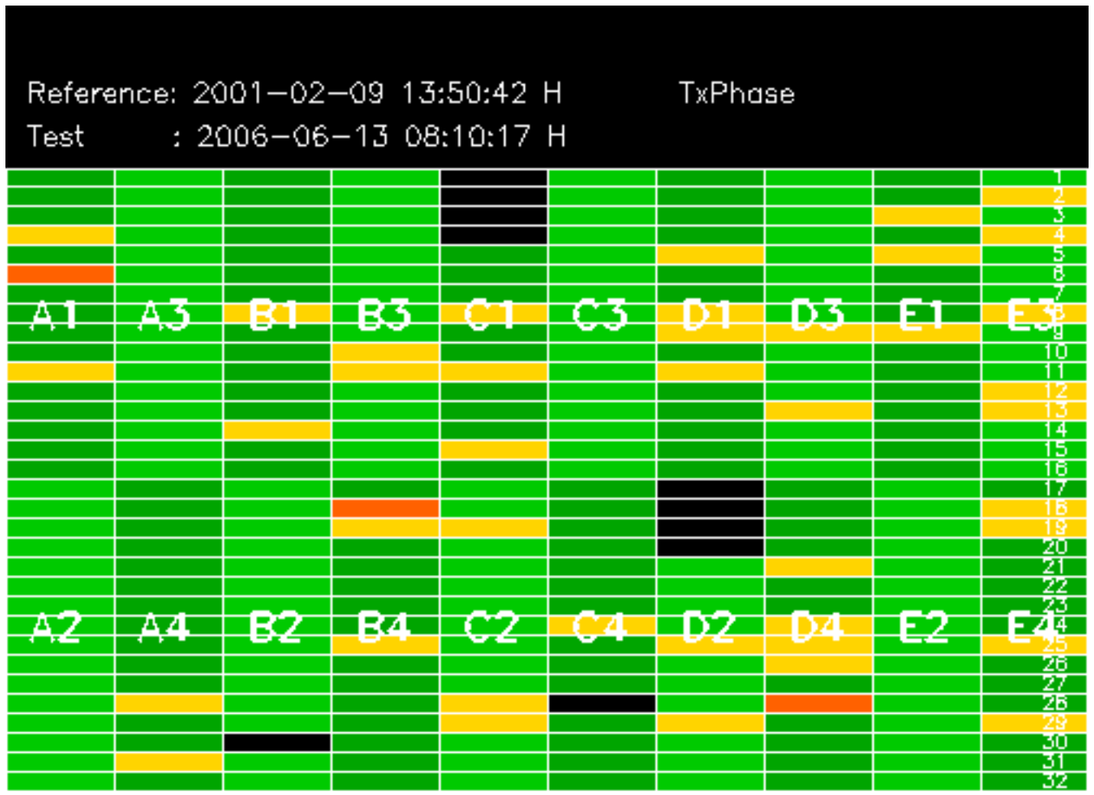
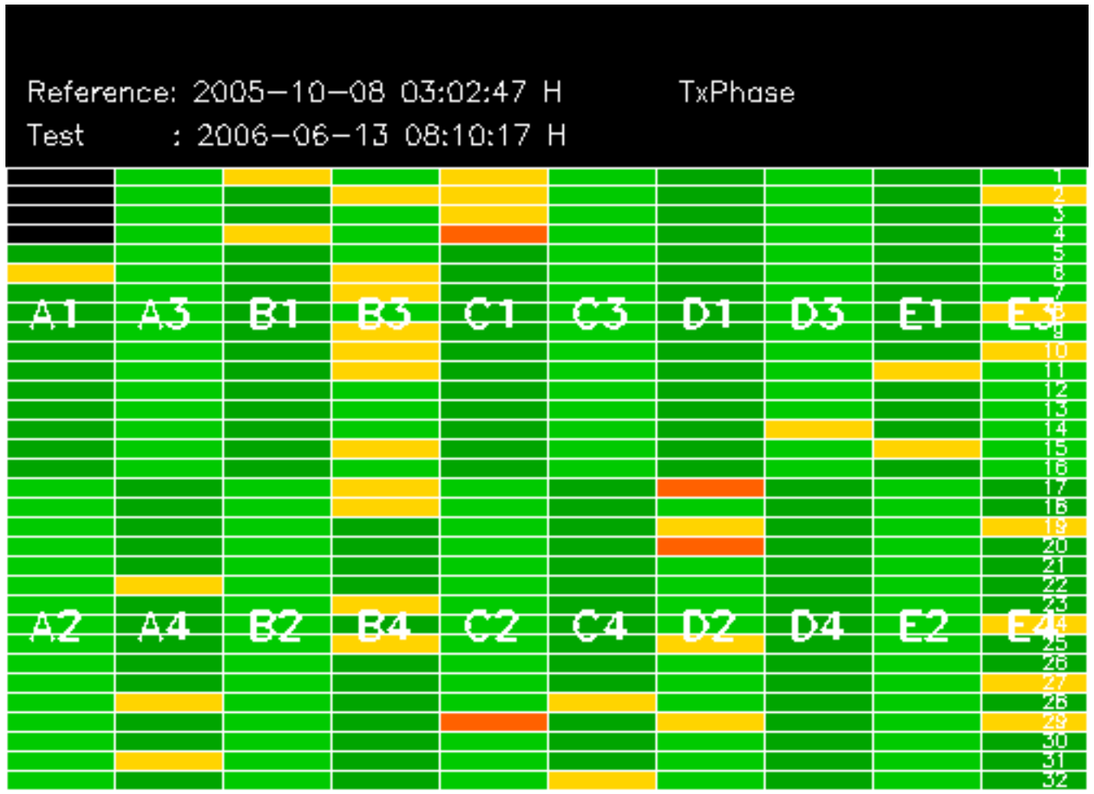
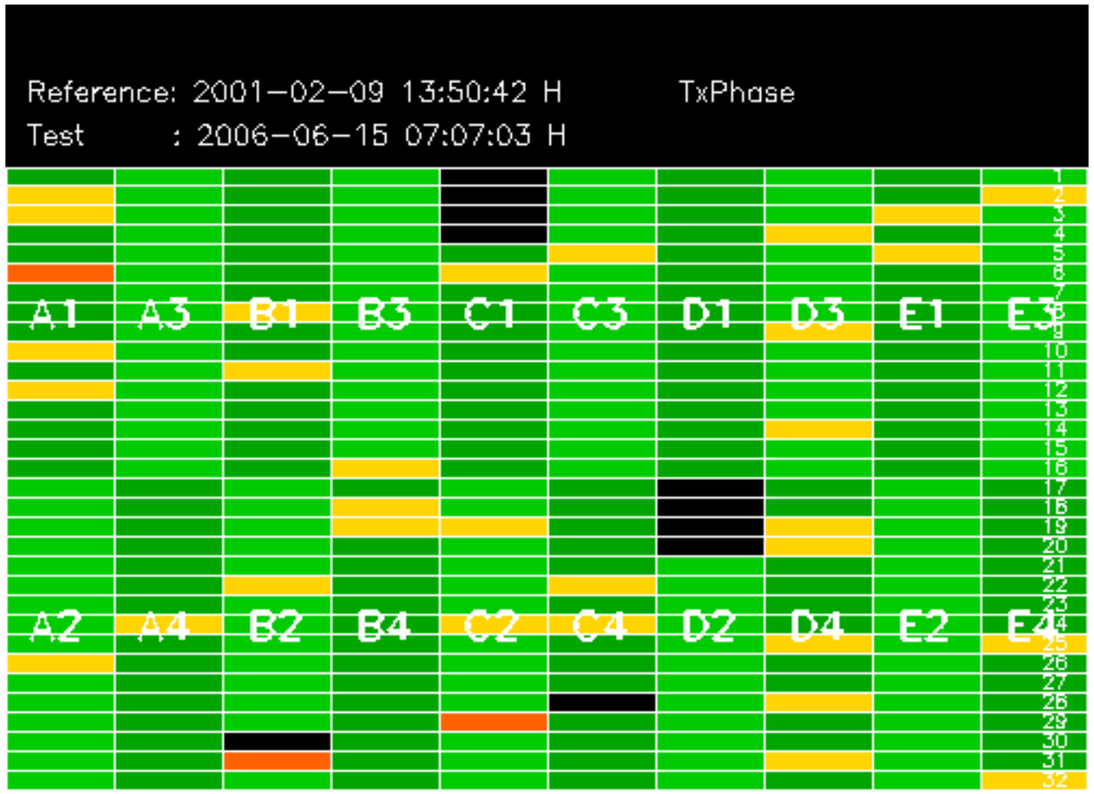
Summary of analysis for the last 3 days 2006061[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060613_010016_000000842048_00303_22401_7335.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060613_061630_000000812048_00306_22404_7368.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060613_110750_000001582048_00309_22407_3853.N1 </td> <td>0 </td> <td>66 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060615_042315_000002382048_00334_22432_4158.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20060613_134955_000001032048_00311_22409_7492.N1 </td> <td>0 </td> <td>21 </td></tr>
<tr> <td>ASA_APM_1PNPDE20060613_170832_000000412048_00313_22411_3320.N1 </td> <td>0 </td> <td>20 </td></tr>
</table>

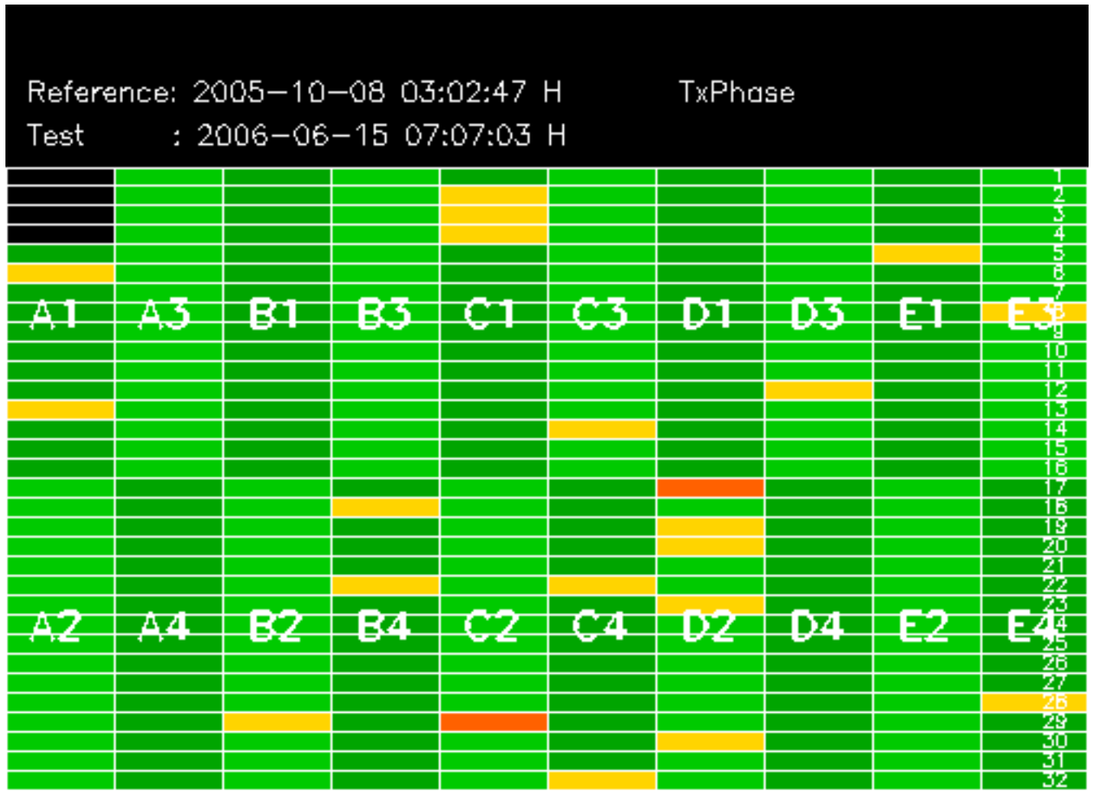

num_gaps
1
0.8
0.6
0.4
0.2
0
22400
22410
22420
22430
22440
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
70
60
50
40
30
20
10
0
22400
22410
22420
22430
22440
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 : 2006-06-13 08:10:17 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 : 2006-06-13 08:10:17 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 13:50:42 H
Test : 2006-06-15 07:07:03 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 : 2006-06-15 07:07:03 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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21
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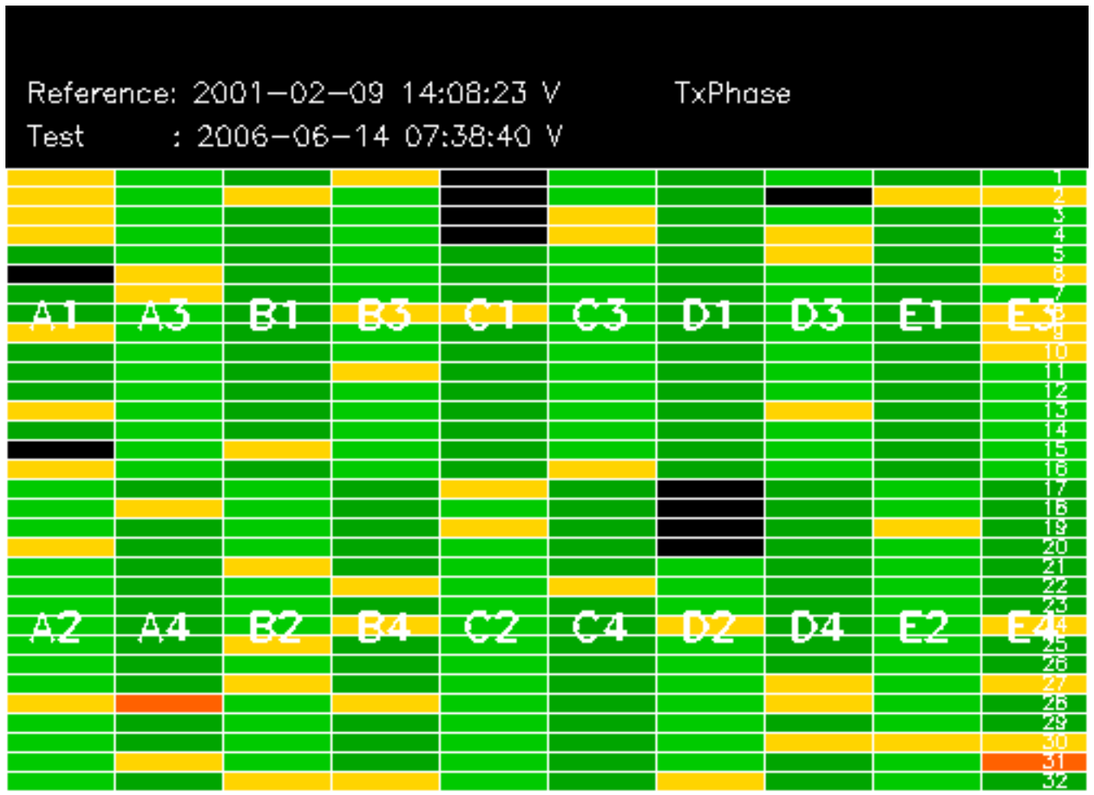
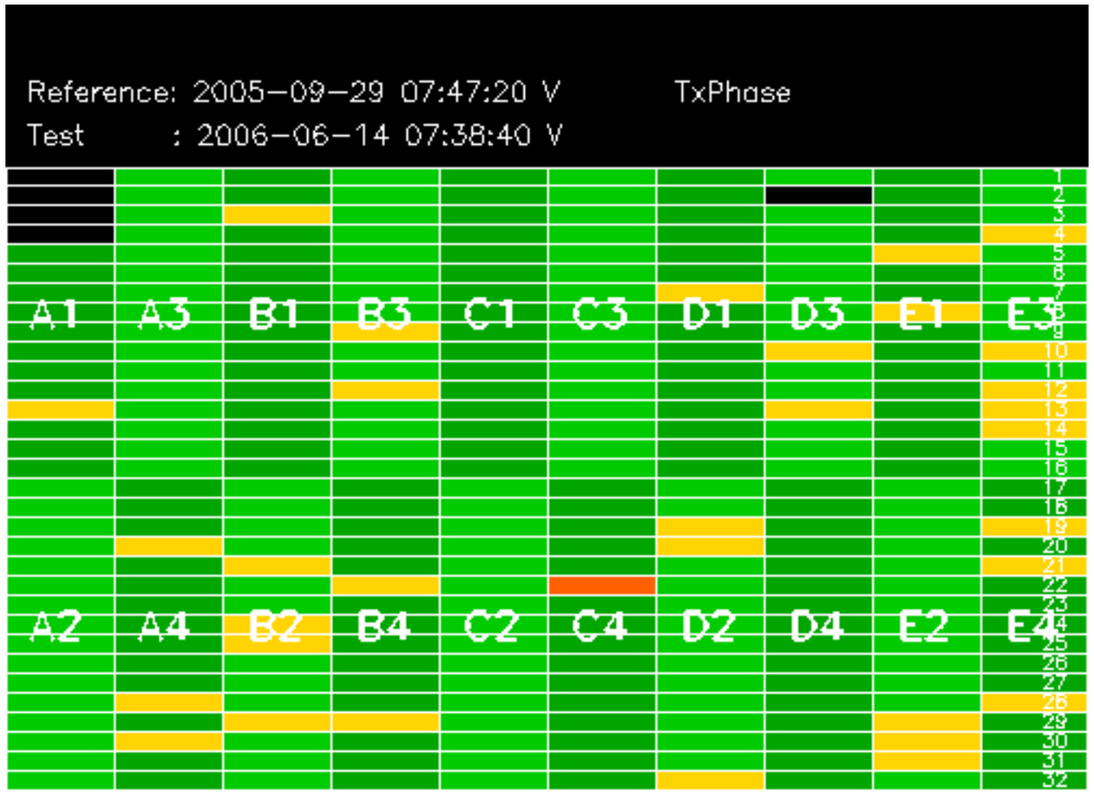
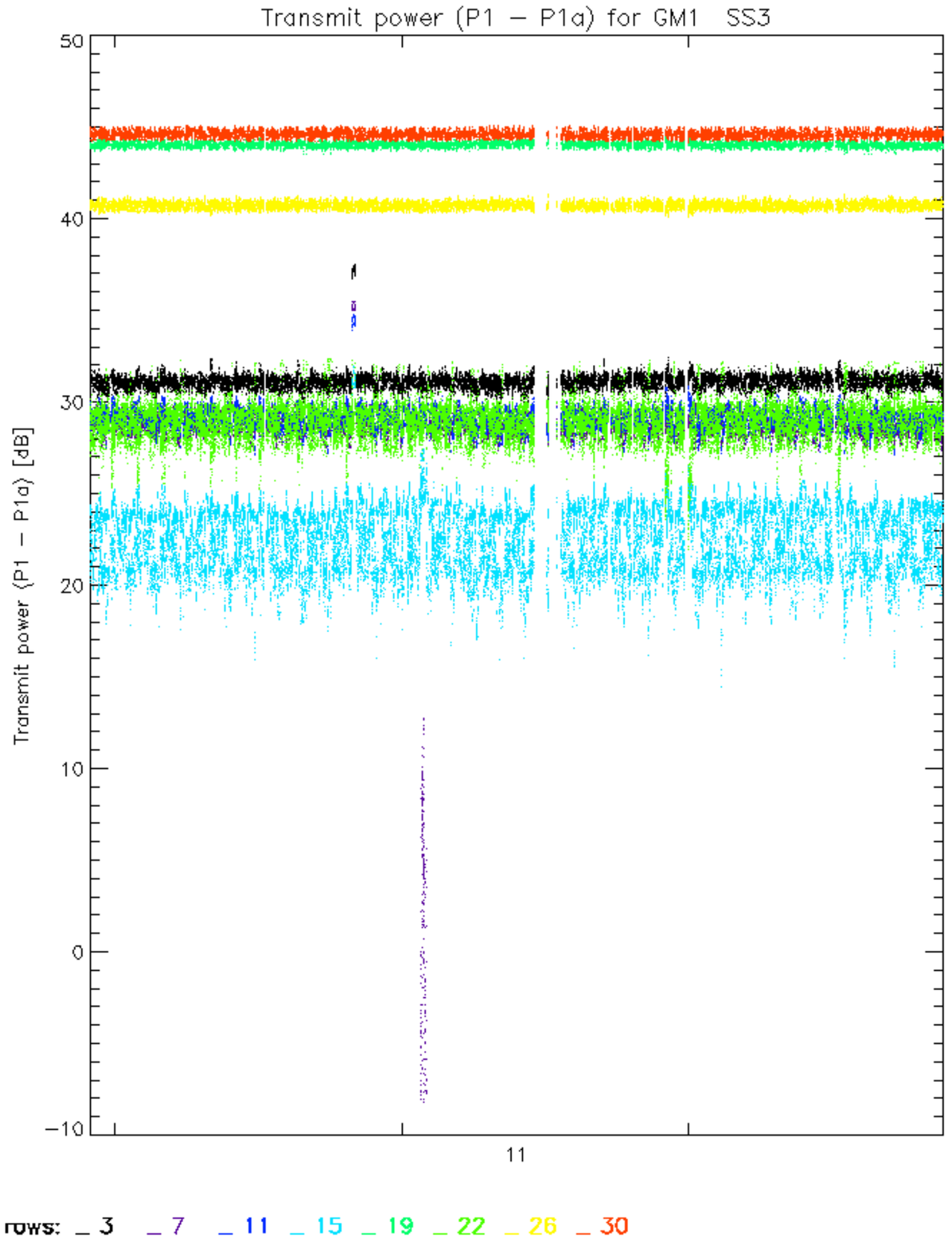
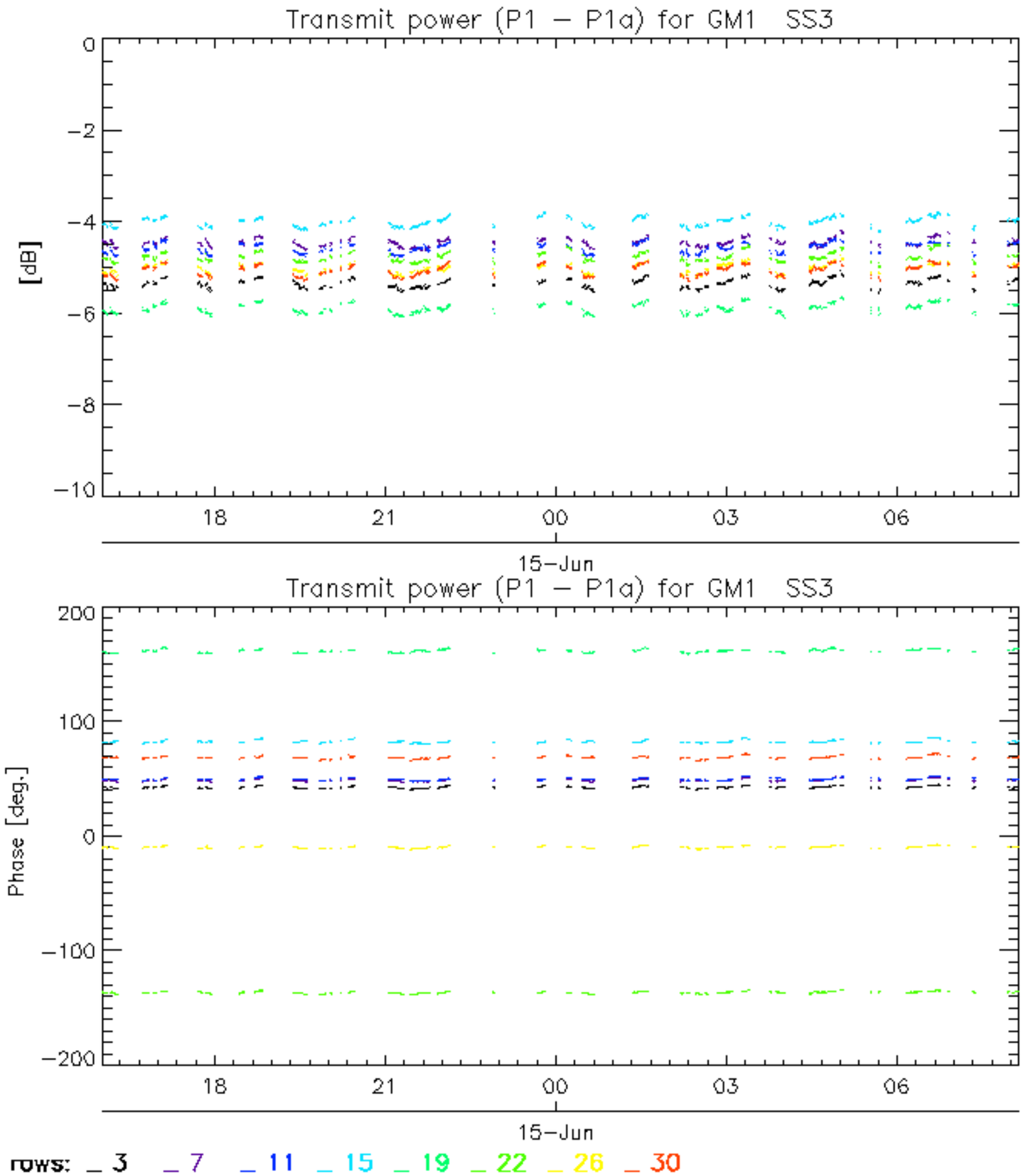
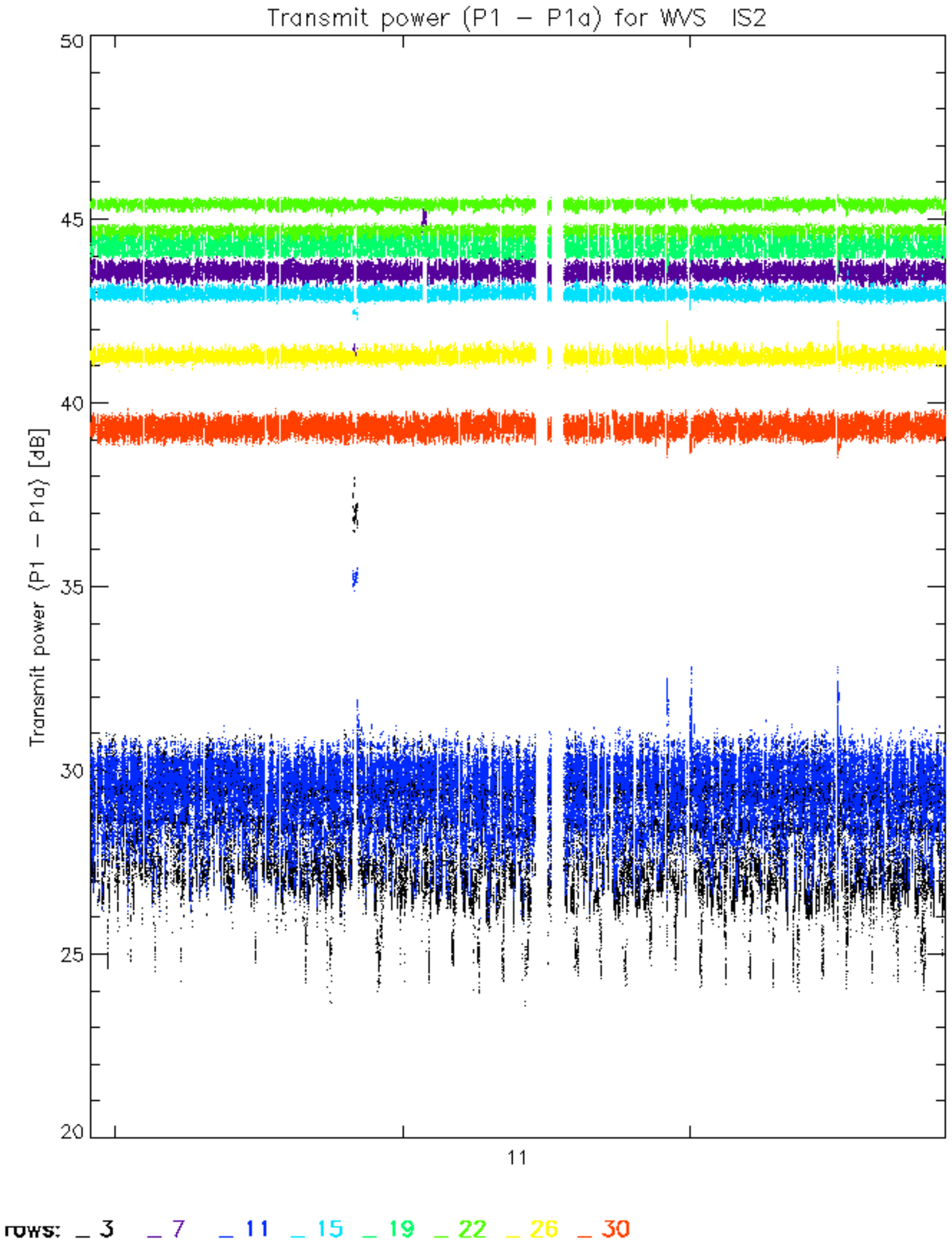
31
32

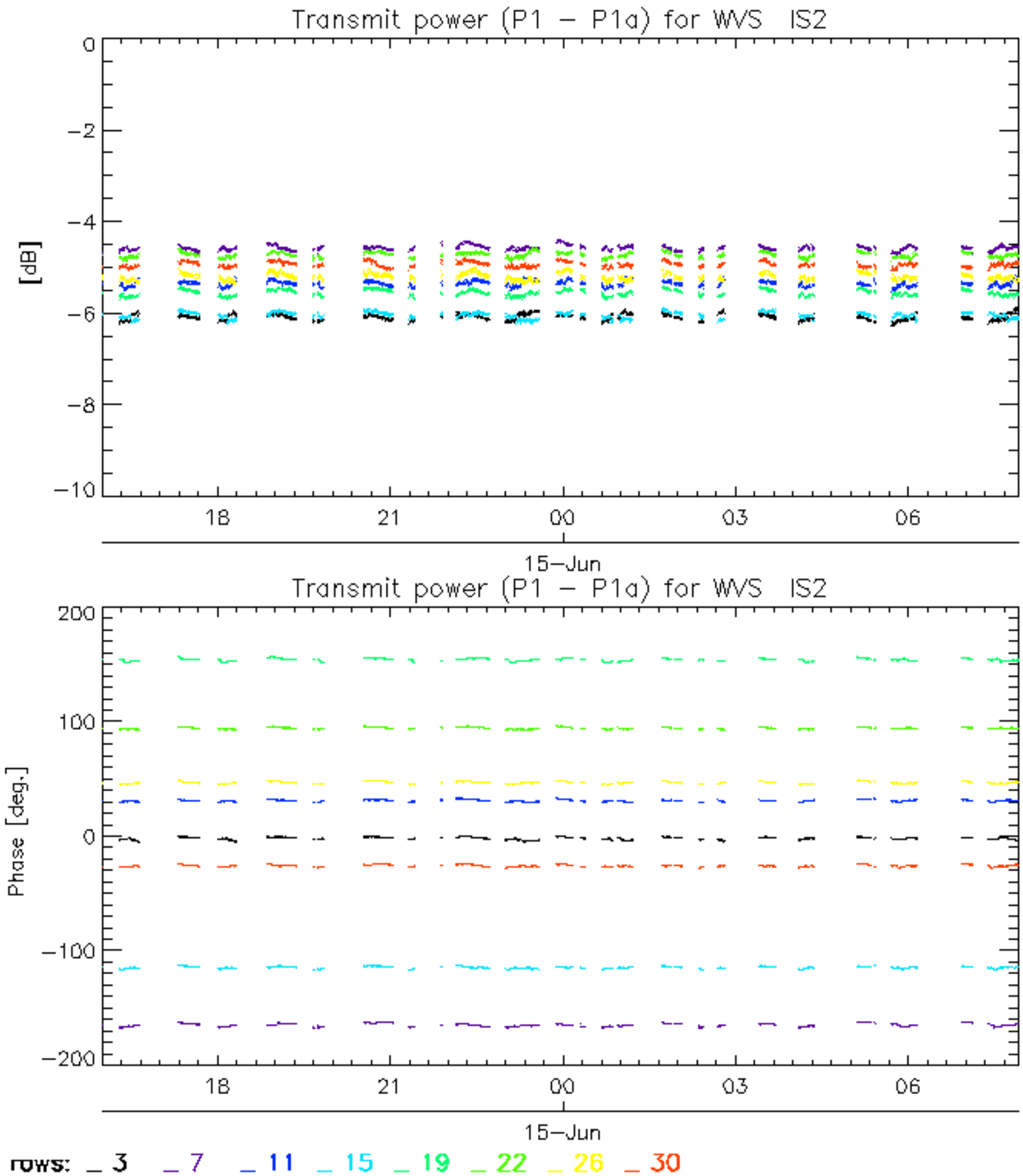

Reference: 2001-02-09 14:08:23 V
Test : 2006-06-14 07:38:40 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-14 07:38:40 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
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
11
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–Jun
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
15–Jun
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
11
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–Jun
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
15–Jun
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.