PRELIMINARY REPORT OF 060613

last update on Tue Jun 13 16:43:49 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 2006-06-12 00:00:00 to 2006-06-13 16:43:49

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	40	61	14	0	5
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	40	61	14	0	5
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	40	61	14	0	5
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	61	14	0	5

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	41	47	53	14	25
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	41	47	53	14	25
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	41	47	53	14	25
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	47	53	14	25

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	20060612 084154
H	20060613 081017

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	-3.943103	0.018185	0.051112
7	P1	-3.125361	0.017032	-0.055351
11	P1	-4.109007	0.018897	0.000753
15	P1	-6.140683	0.020179	-0.022181
19	P1	-3.337791	0.008360	-0.056583
22	P1	-4.514024	0.011544	0.005034
26	P1	-3.977757	0.017329	0.019917
30	P1	-5.747643	0.008936	-0.003011
3	P1	-16.528111	0.263556	0.072390
7	P1	-17.197863	0.150560	-0.163895
11	P1	-16.943184	0.310565	-0.086363
15	P1	-13.203379	0.218092	0.052675
19	P1	-14.300582	0.050182	-0.134546
22	P1	-16.163939	0.377288	-0.003784
26	P1	-15.244799	0.236040	0.106522
30	P1	-17.079277	0.401092	-0.238661

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.170958	0.079582	0.122356
7	P2	-22.051086	0.095833	0.110464
11	P2	-15.901914	0.109156	0.128253
15	P2	-7.160718	0.091667	0.009625
19	P2	-9.168859	0.083784	-0.018966
22	P2	-18.145208	0.081870	-0.072818
26	P2	-16.387926	0.086315	-0.060399
30	P2	-19.565132	0.085146	0.042167

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.184971	0.004104	0.003347
7	P3	-8.184971	0.004104	0.003347
11	P3	-8.184971	0.004104	0.003347
15	P3	-8.184971	0.004104	0.003347
19	P3	-8.184971	0.004104	0.003347
22	P3	-8.184971	0.004104	0.003347
26	P3	-8.184971	0.004104	0.003347
30	P3	-8.184971	0.004104	0.003347

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	-3.787689	0.064414	-0.052368
7	P1	-2.595417	0.031586	0.023575
11	P1	-2.863131	0.023470	0.000894
15	P1	-3.502955	0.050146	-0.034047
19	P1	-3.403293	0.014433	-0.025047
22	P1	-5.082264	0.019776	0.001350
26	P1	-5.847177	0.015760	-0.024595
30	P1	-5.190163	0.027051	0.002769
3	P1	-11.611803	0.082613	-0.027274
7	P1	-9.969471	0.053203	-0.023331
11	P1	-10.211625	0.087206	-0.089941
15	P1	-10.638213	0.152157	-0.145964
19	P1	-15.526598	0.076417	-0.047778
22	P1	-20.921242	1.196947	-0.122447
26	P1	-16.483982	0.338261	0.046872
30	P1	-17.951815	0.379163	0.197816

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.860088	0.070030	0.128723
7	P2	-22.499256	0.128155	0.048055
11	P2	-11.165902	0.047954	0.076648
15	P2	-4.912699	0.048201	-0.024129
19	P2	-6.879478	0.052900	-0.010792
22	P2	-8.202065	0.043216	-0.021577
26	P2	-24.122347	0.067421	-0.077302
30	P2	-22.064123	0.055345	-0.001878

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.018808	0.004781	-0.001482
7	P3	-8.018950	0.004771	-0.001416
11	P3	-8.018931	0.004758	-0.001336
15	P3	-8.018805	0.004771	-0.001765
19	P3	-8.018874	0.004774	-0.001559
22	P3	-8.019004	0.004763	-0.001524
26	P3	-8.018896	0.004763	-0.001602
30	P3	-8.018932	0.004765	-0.001836

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000533344
	stdev	1.89287e-07
MEAN Q	mean	0.000508289
	stdev	2.28946e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.134523
	stdev	0.00119378
STDEV Q	mean	0.134866
	stdev	0.00121069

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006061[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20060612_064716_000000372048_00292_22390_7200.N1	1	0
ASA_IMM_1PNPDE20060613_010016_000000842048_00303_22401_7335.N1	1	0
ASA_IMM_1PNPDE20060613_061630_000000812048_00306_22404_7368.N1	1	0
ASA_WVS_1PNPDE20060611_225739_000000002048_00287_22385_2590.N1	1	0
ASA_WSM_1PNPDE20060611_021040_000000862048_00275_22373_3687.N1	0	2
ASA_WSM_1PNPDE20060611_231431_000000972048_00288_22386_3740.N1	0	62
ASA_WSM_1PNPDE20060612_041708_000002082048_00291_22389_3765.N1	0	39
ASA_WSM_1PNPDE20060612_142133_000000852048_00297_22395_3784.N1	0	16
ASA_WSM_1PNPDK20060611_165629_000000122048_00284_22382_7379.N1	0	9

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

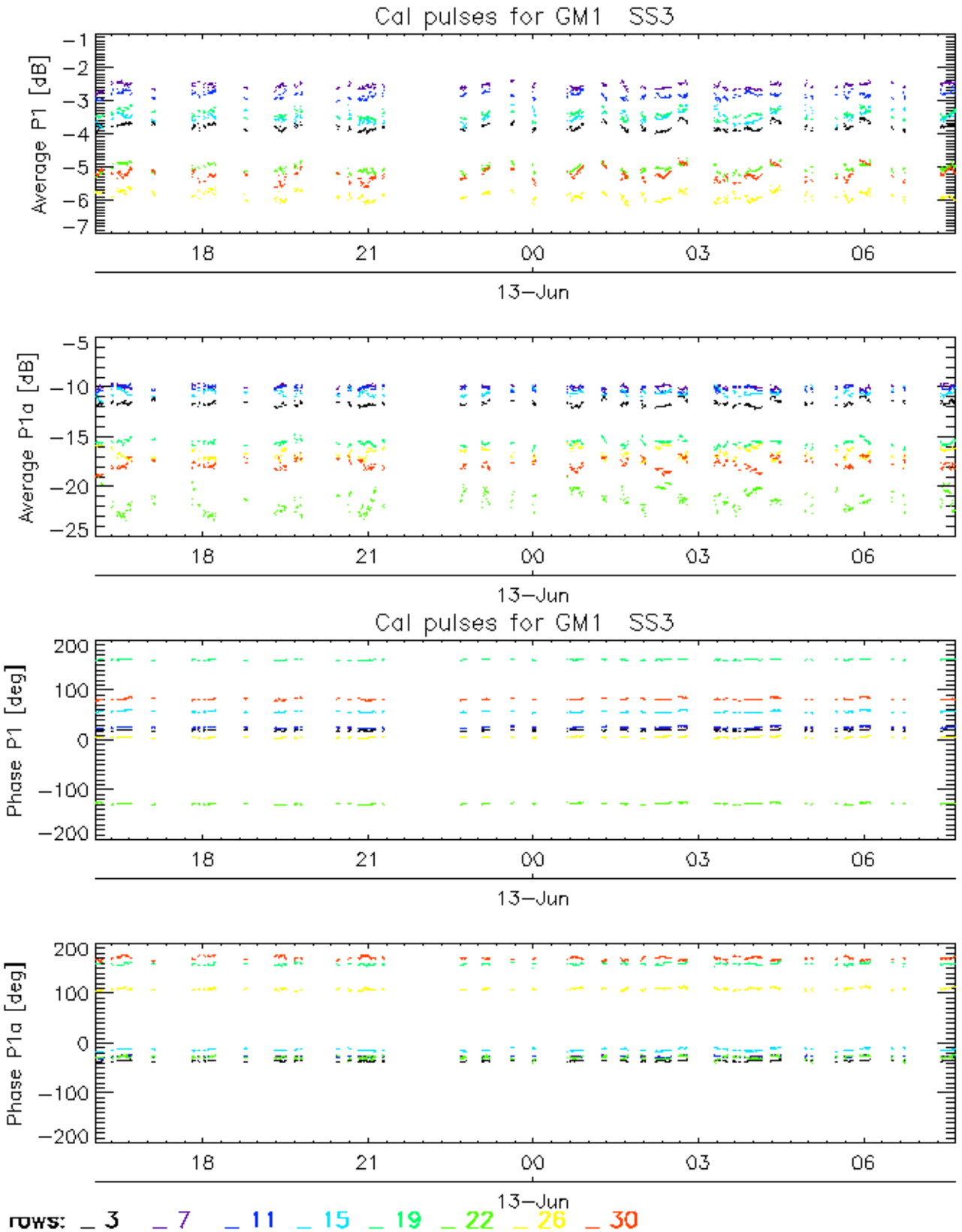
Evolution of unbiased Doppler error (Real - Expected)
Acsending
Descending

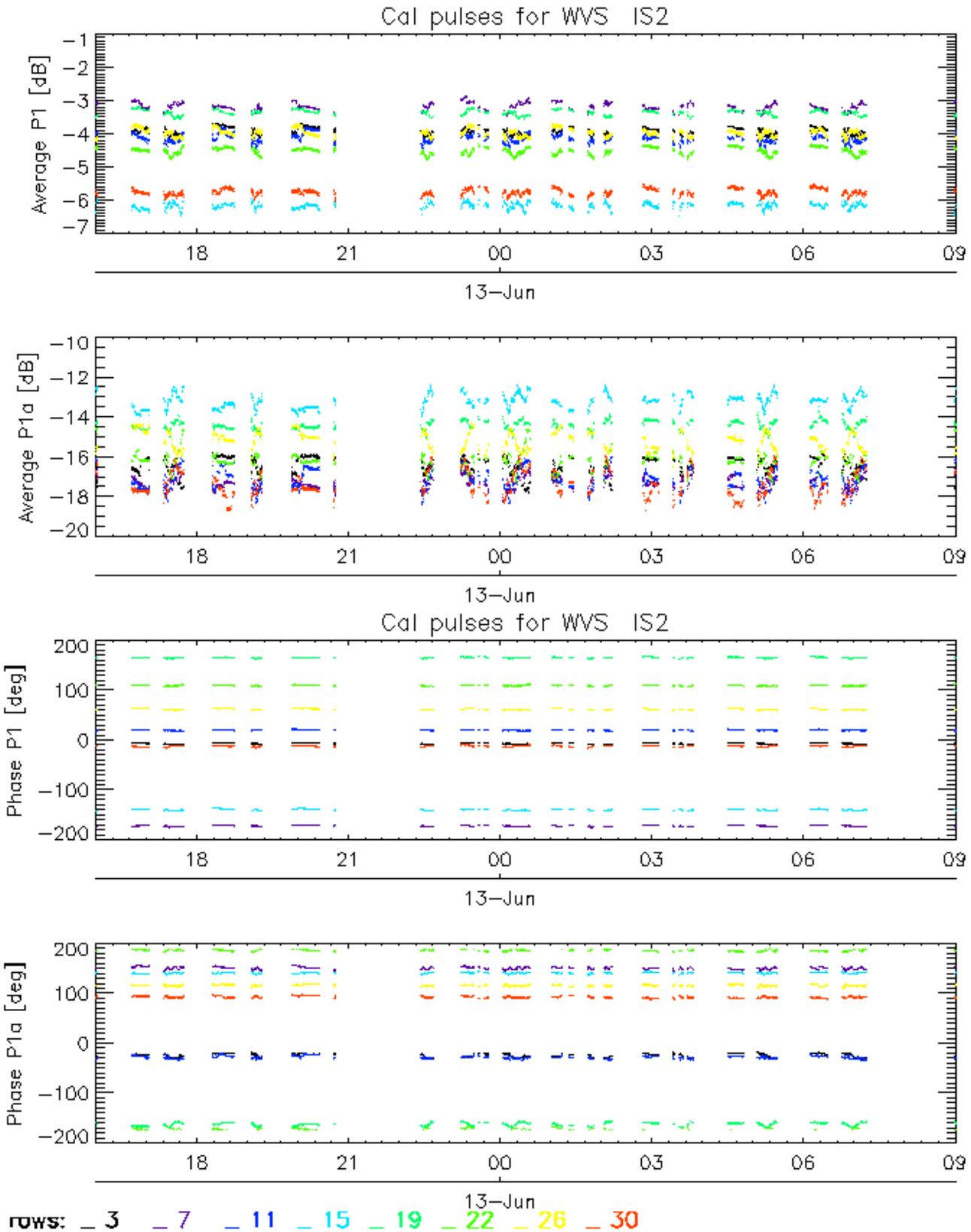
7.5 - Absolute Doppler for GM1

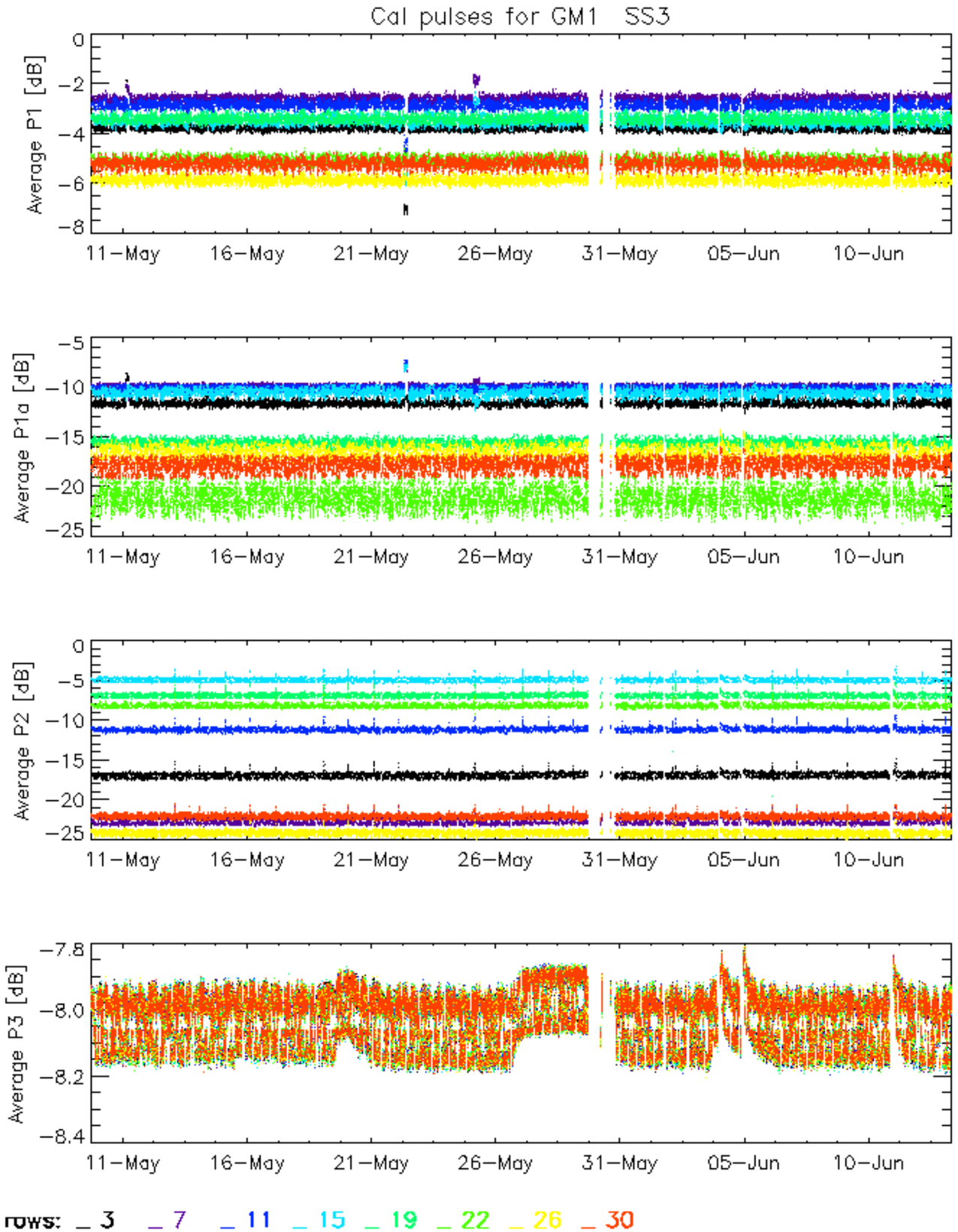
Evolution of Absolute Doppler
Acsending
Descending

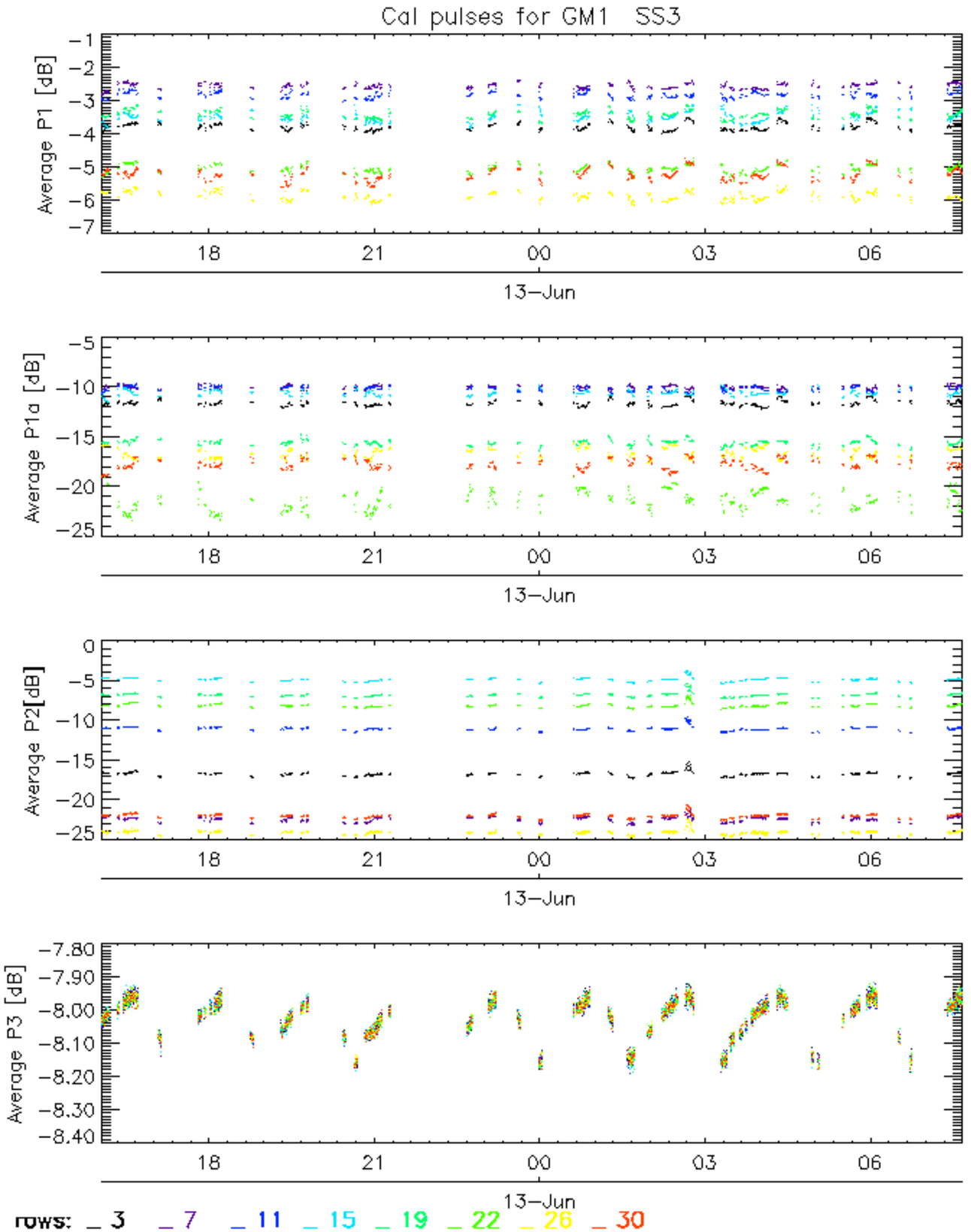
7.6 - Doppler evolution versus ANX for GM1

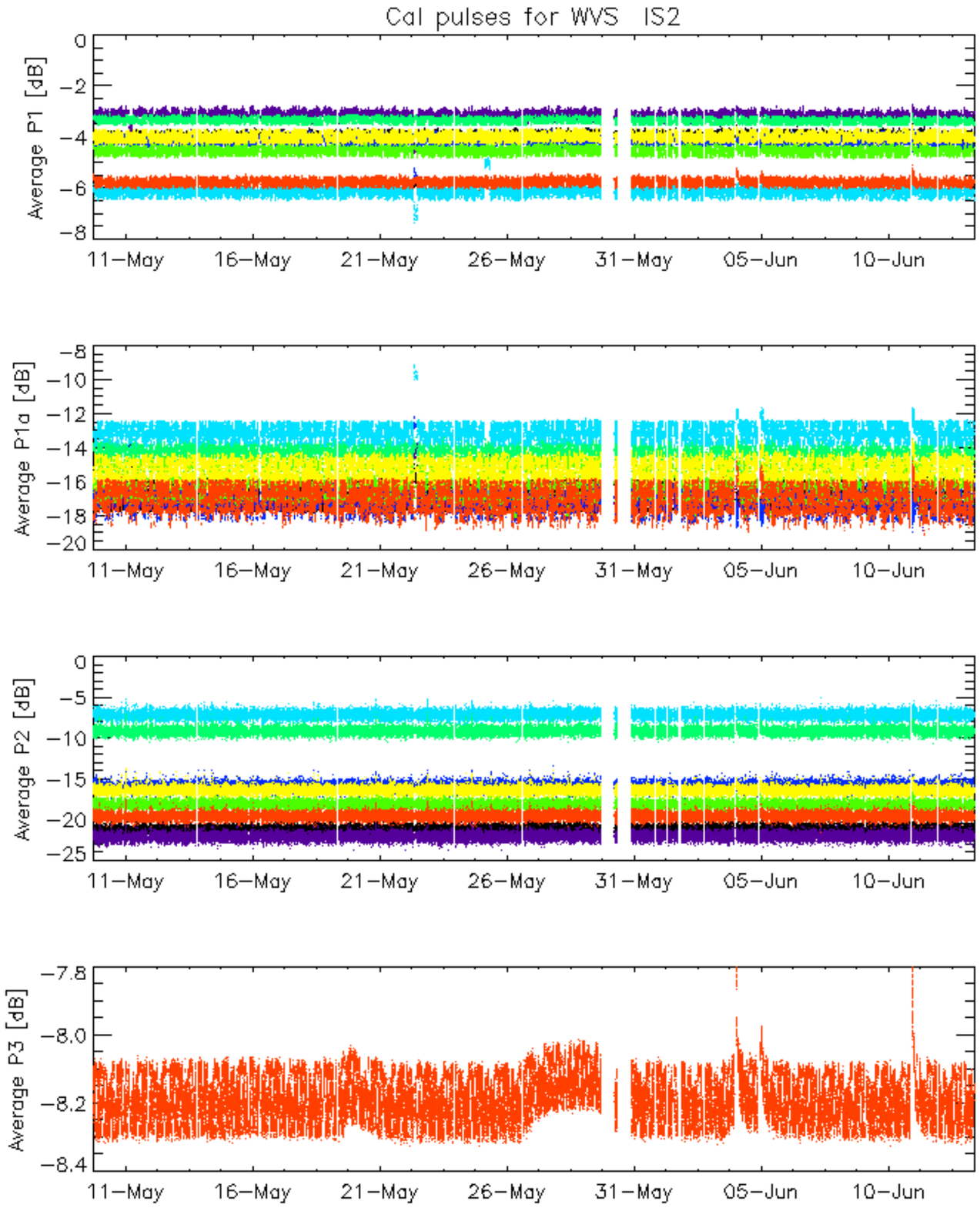
Evolution Doppler error versus ANX

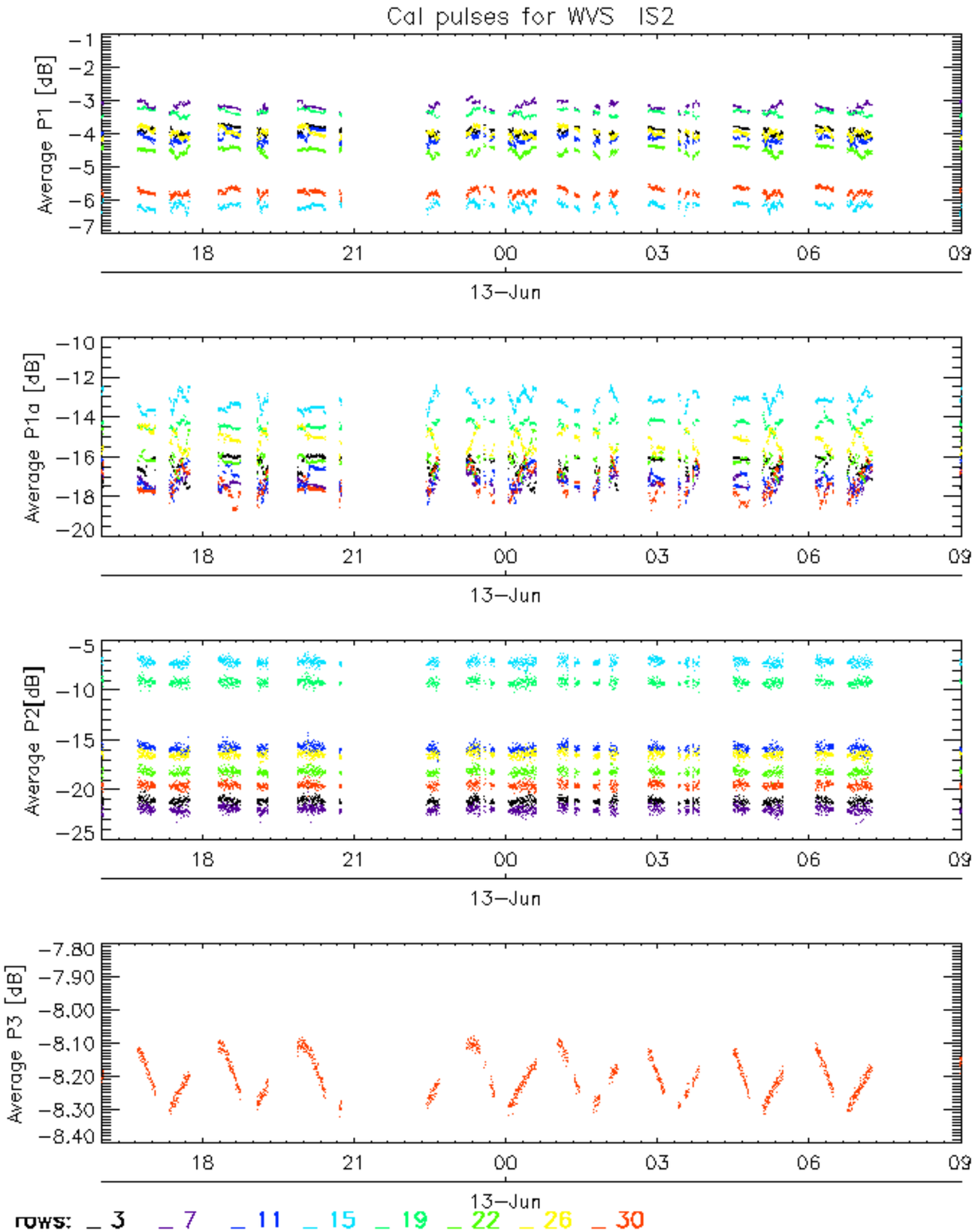

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
13−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
13−Jun
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
13−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
13−Jun
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
13−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
13−Jun
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
13−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
13−Jun
rows: 3 7 11 15 19 22 26 30

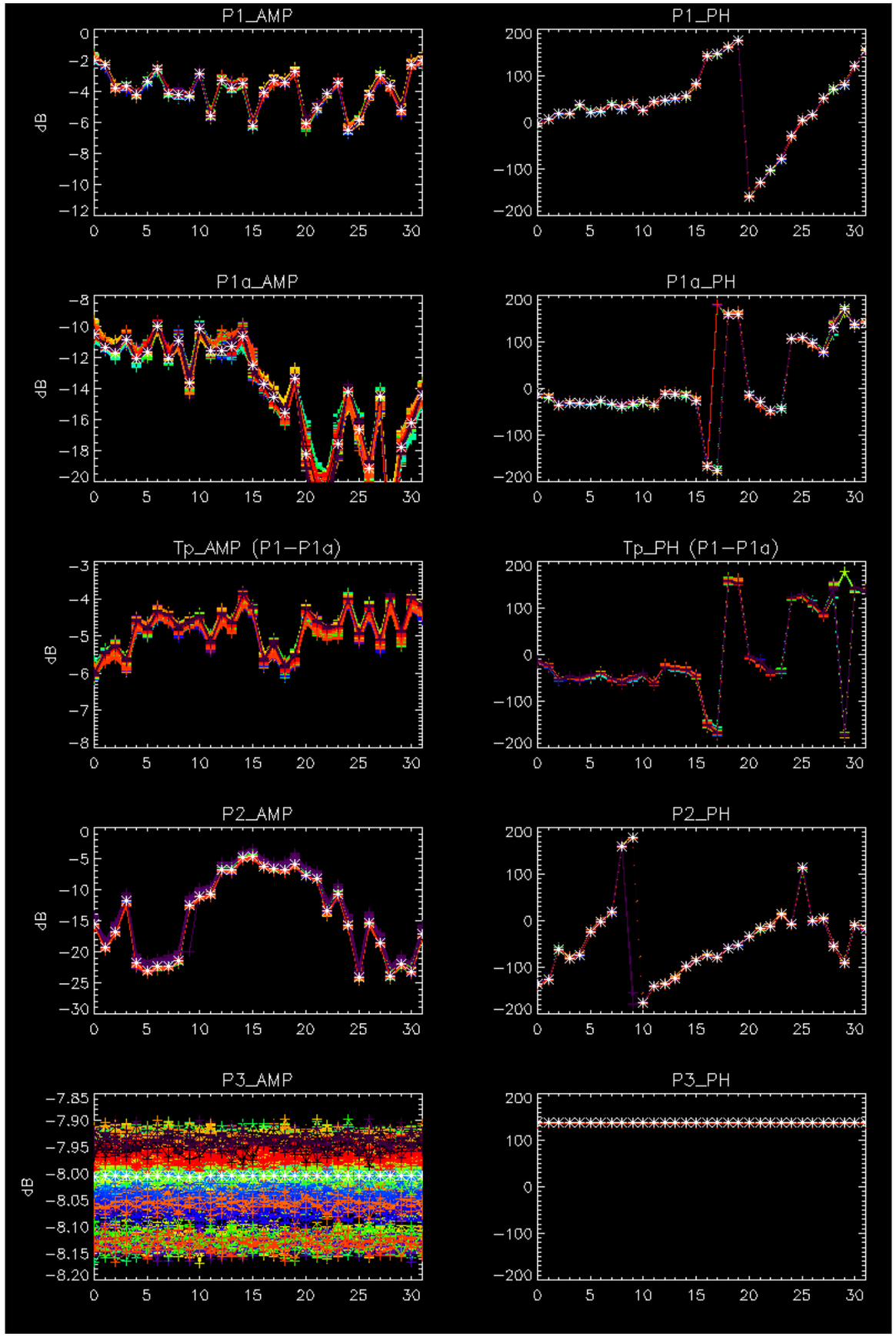

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
11−May
16−May
21−May
26−May
31−May
05−Jun
10−Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

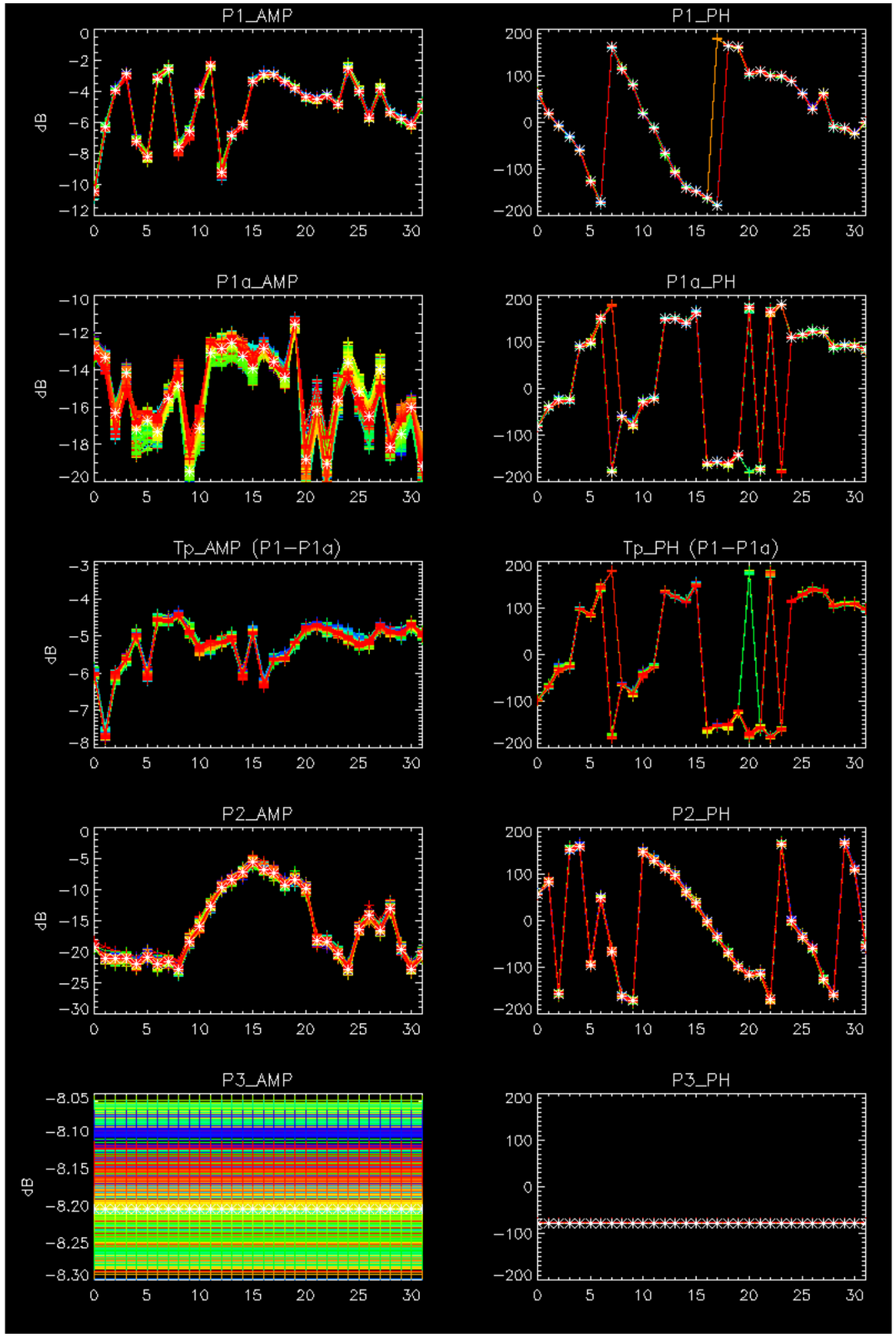

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
13−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
13−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
13−Jun
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
13−Jun
rows: _ 3 _ 7 _ 11 _ 15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


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

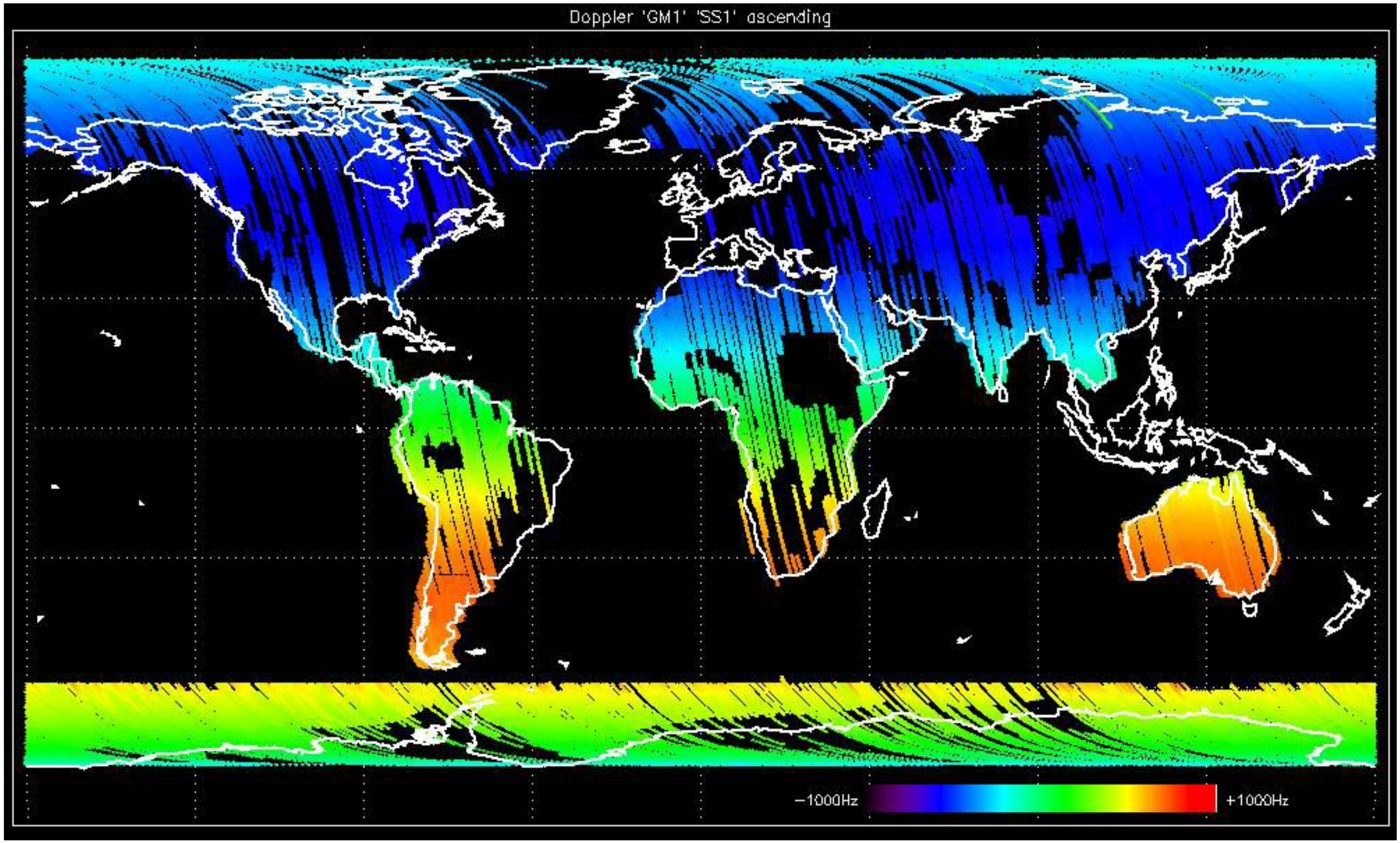
No anomalies observed.

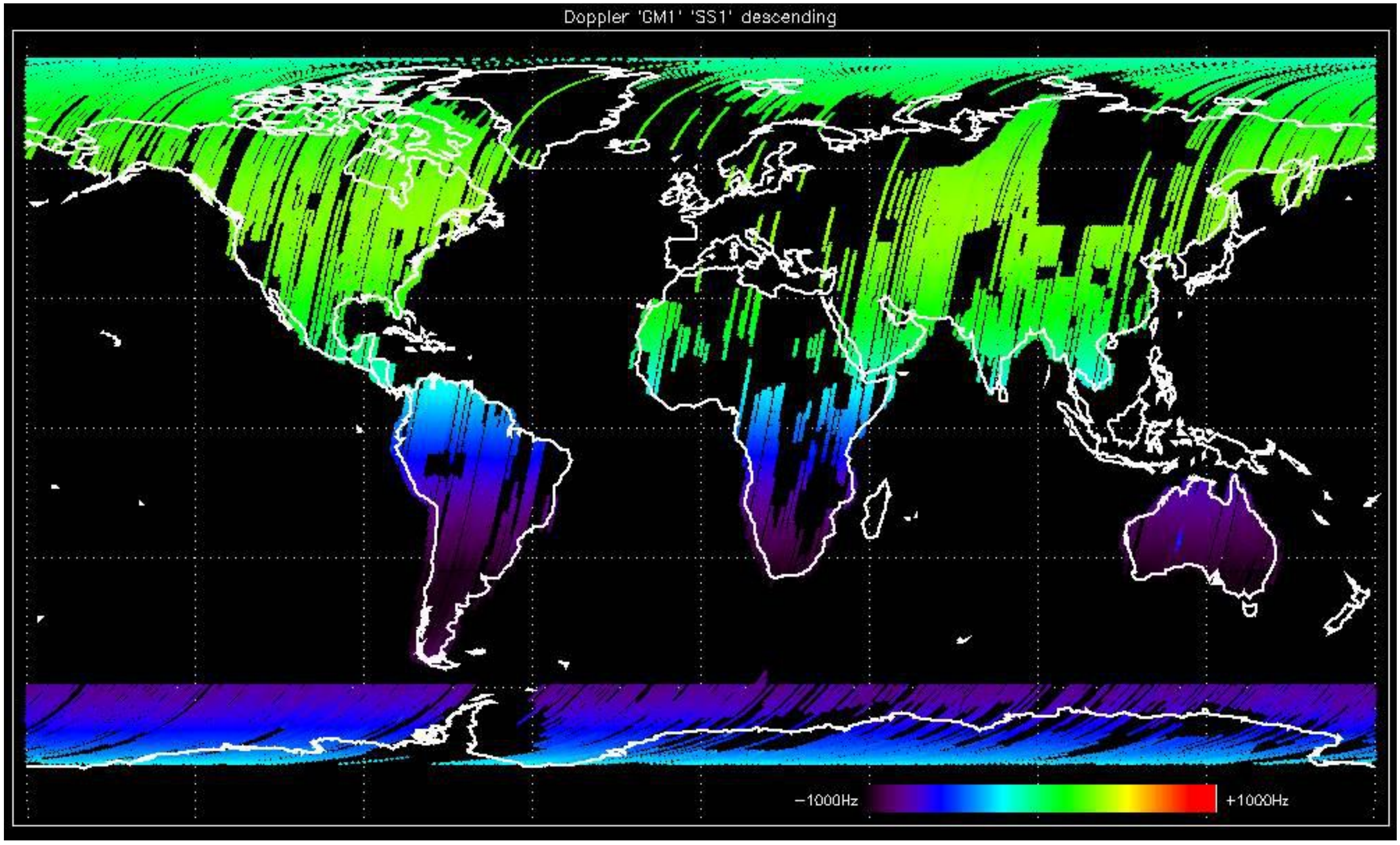

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

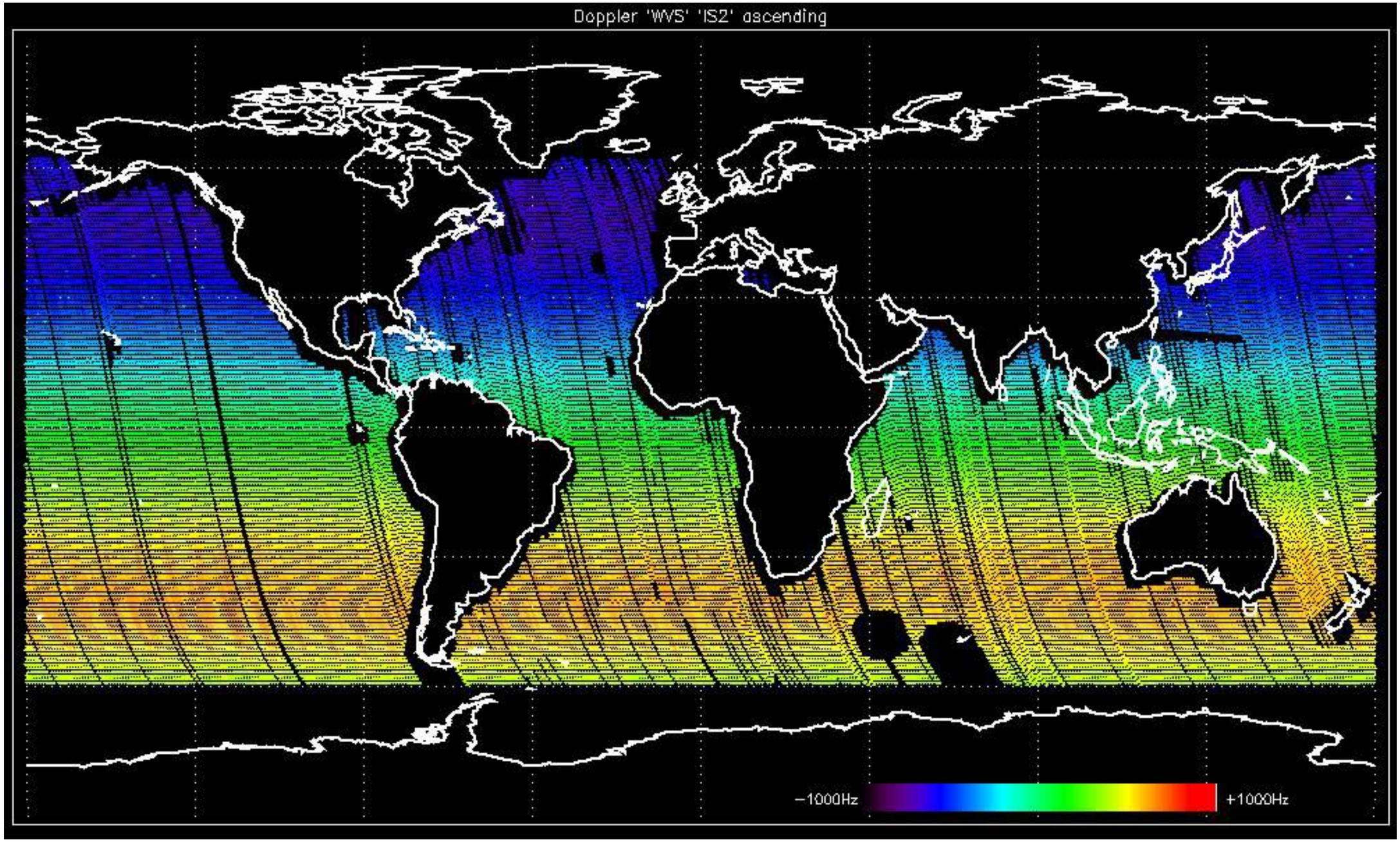

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

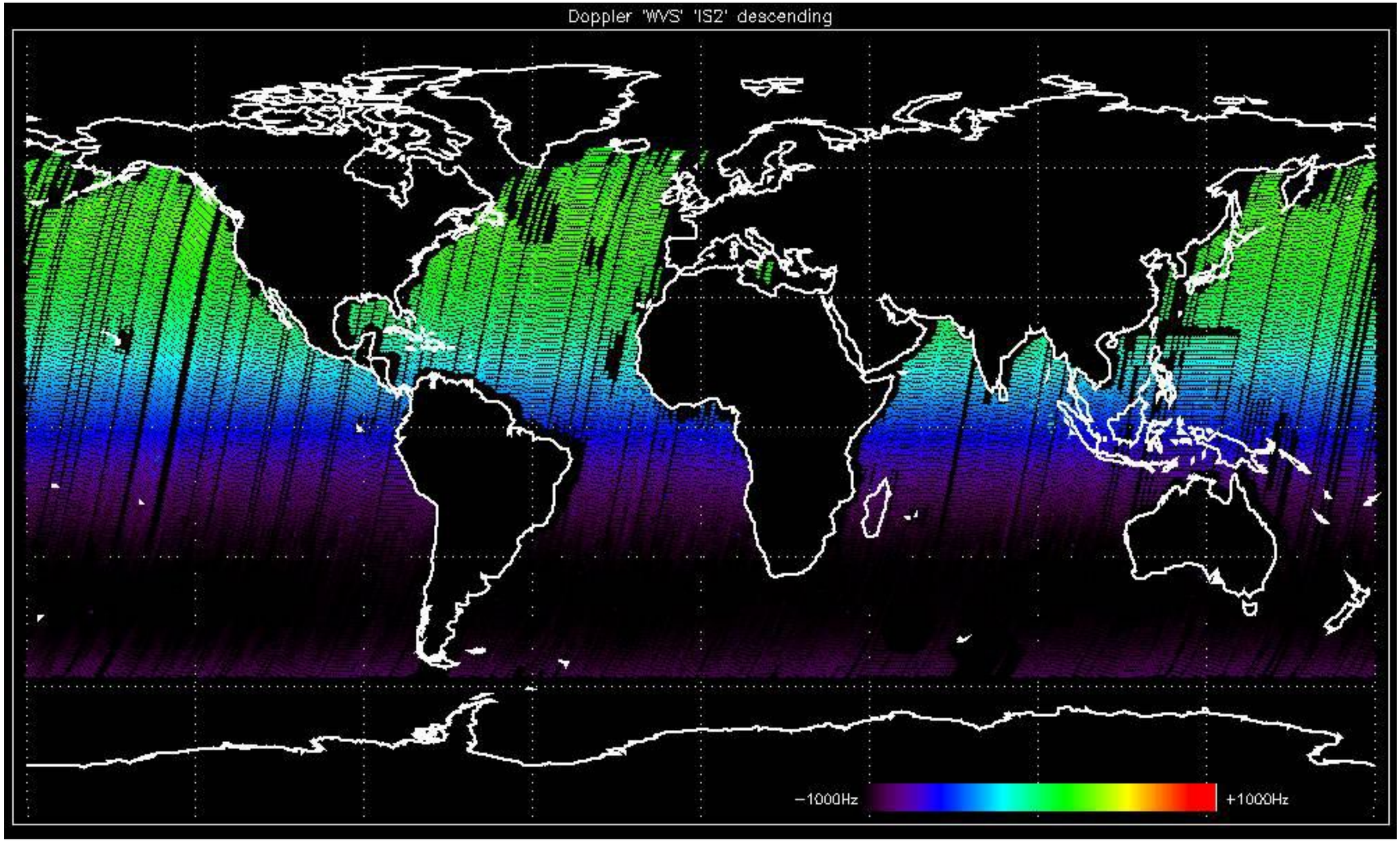
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

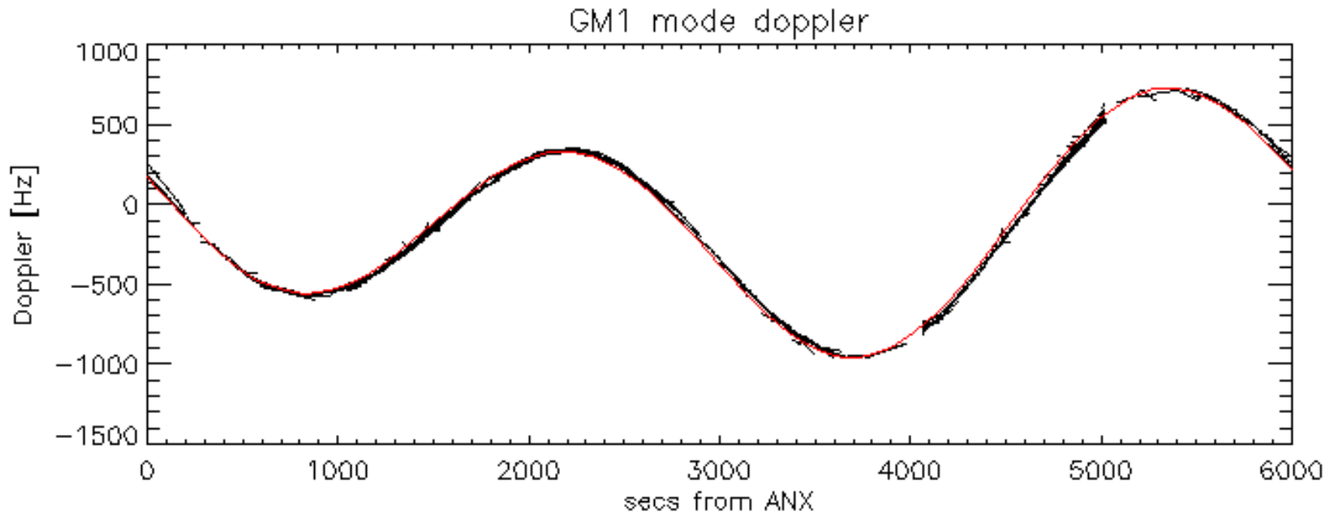
Preliminary report.The data is not yet controled

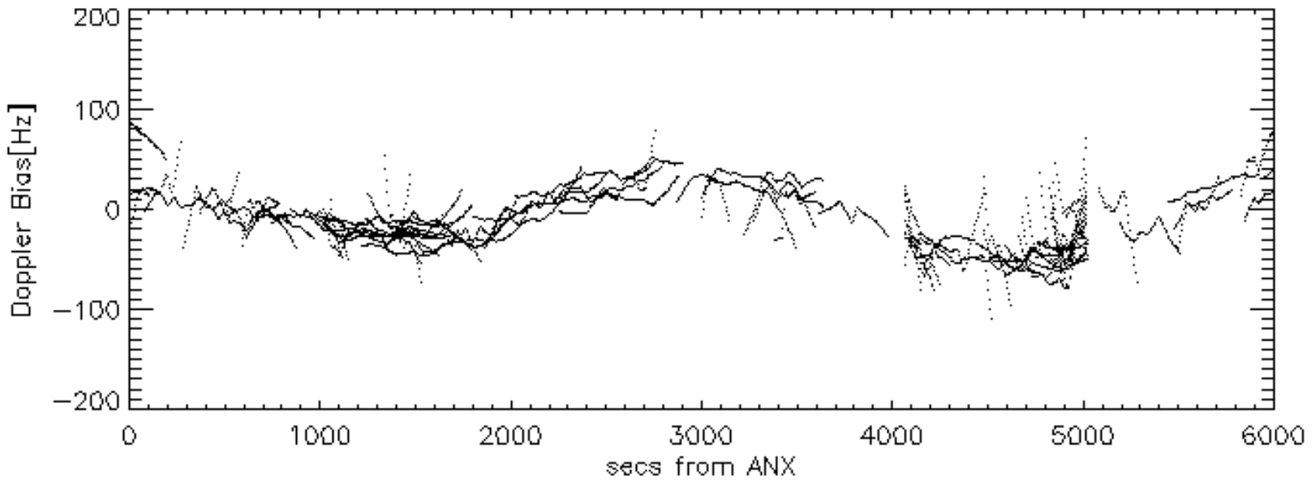

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

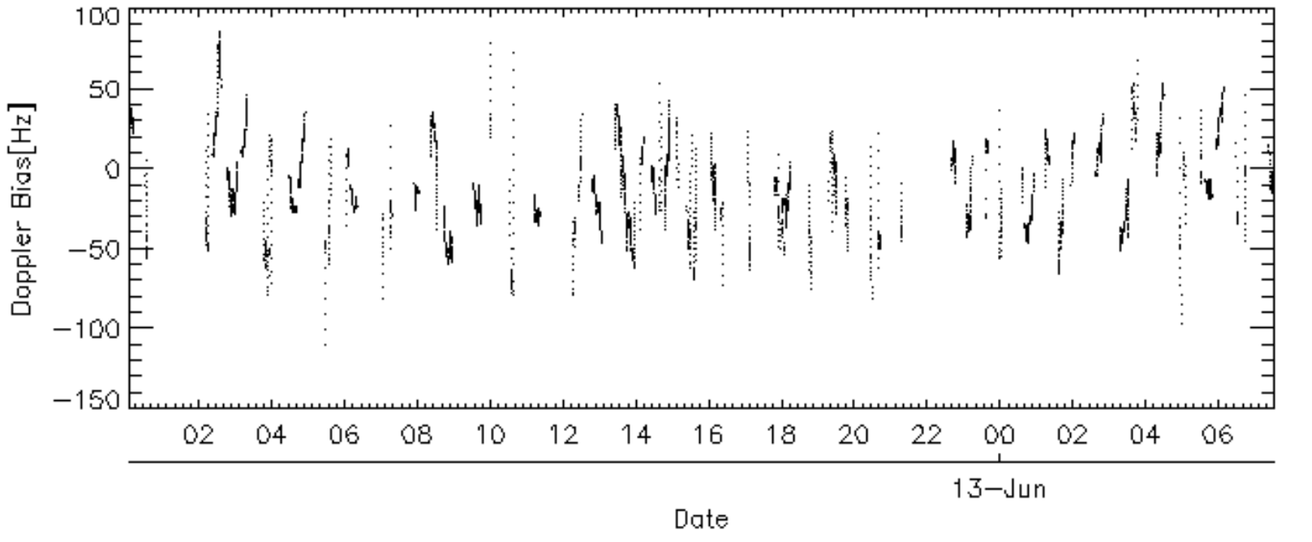

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

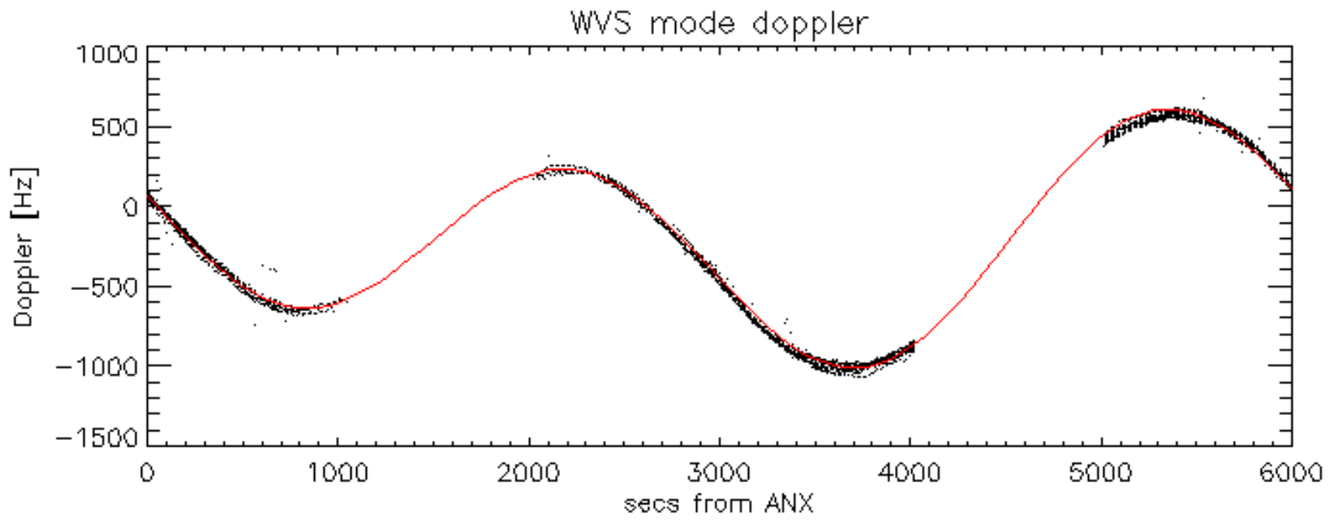

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

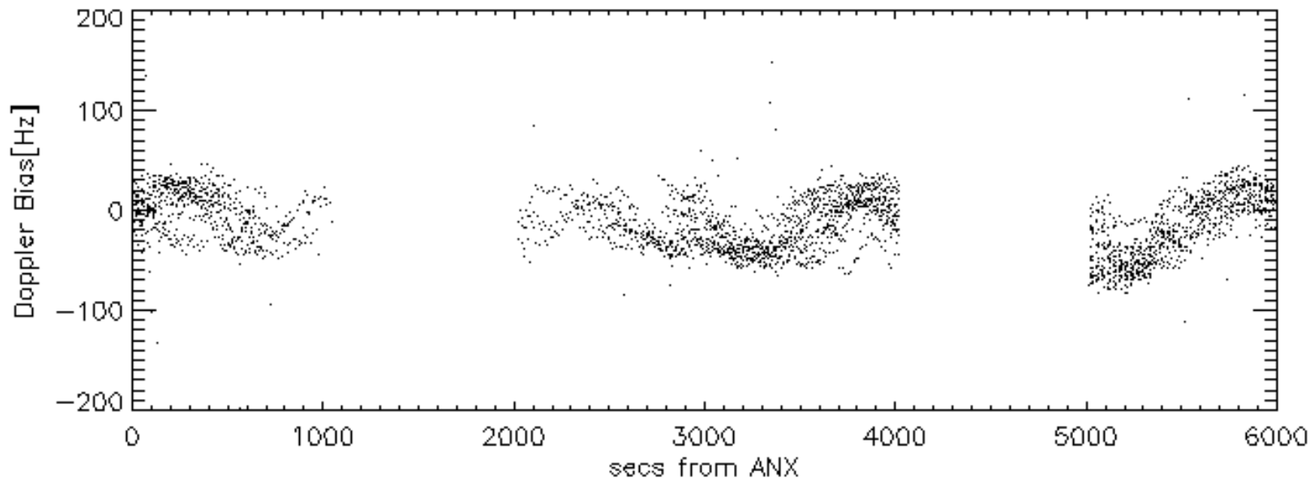

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

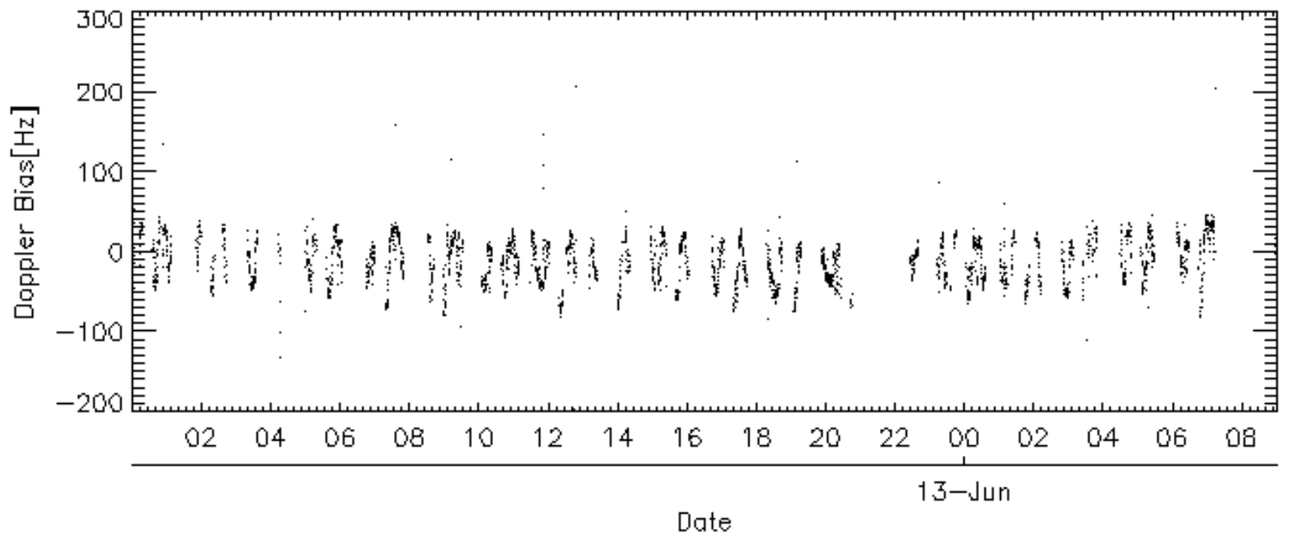

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

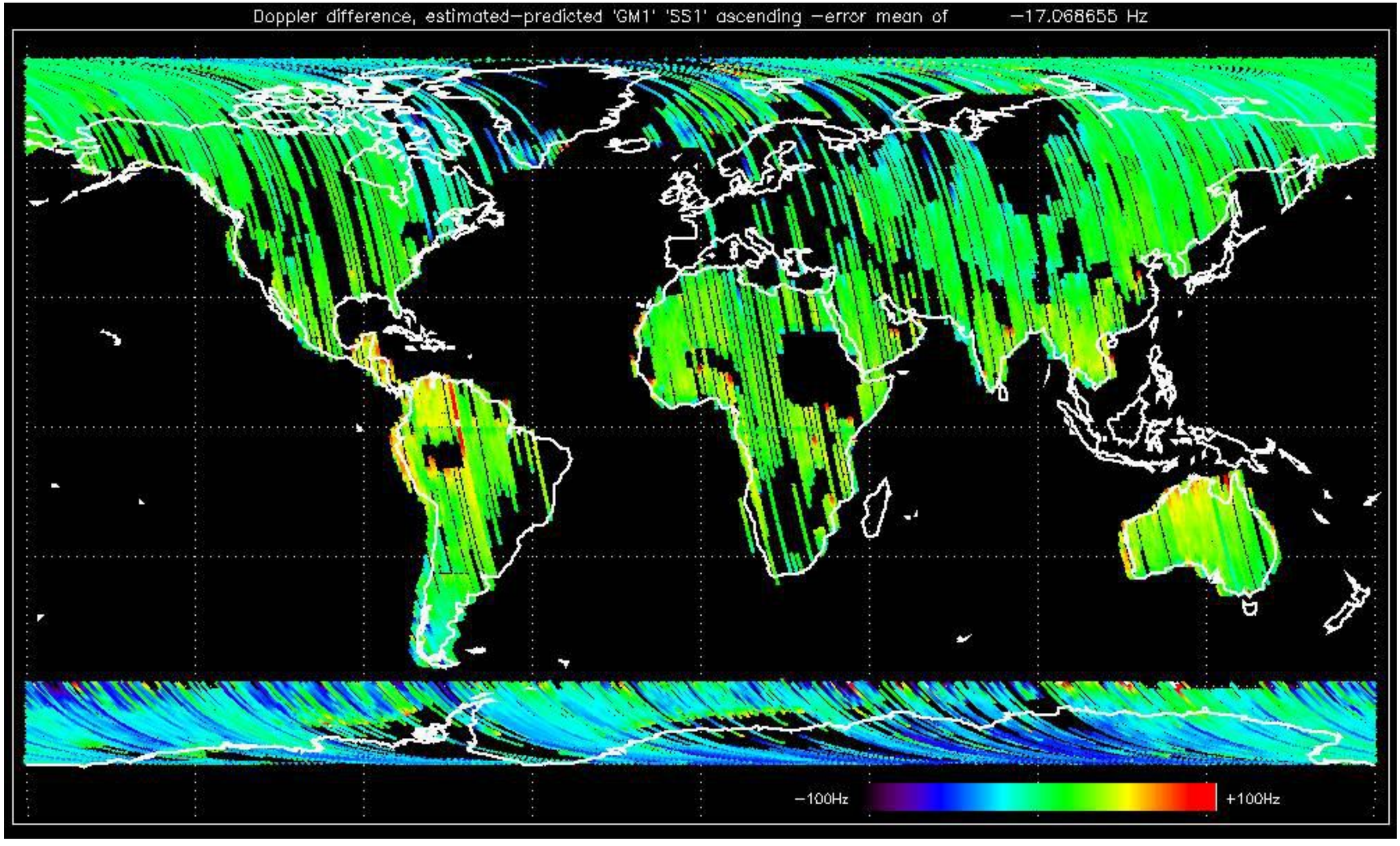

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

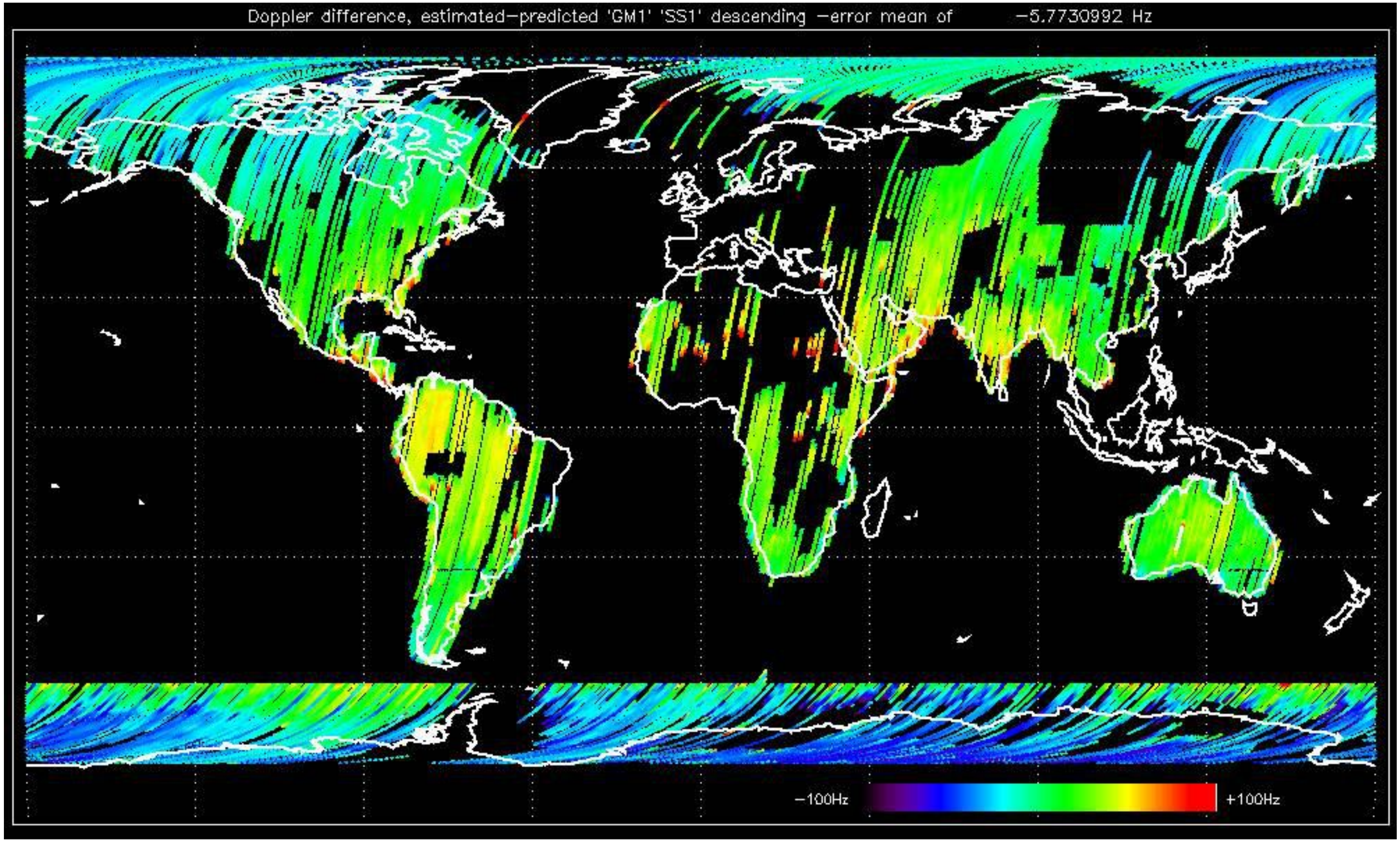

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
13−Jun
Date

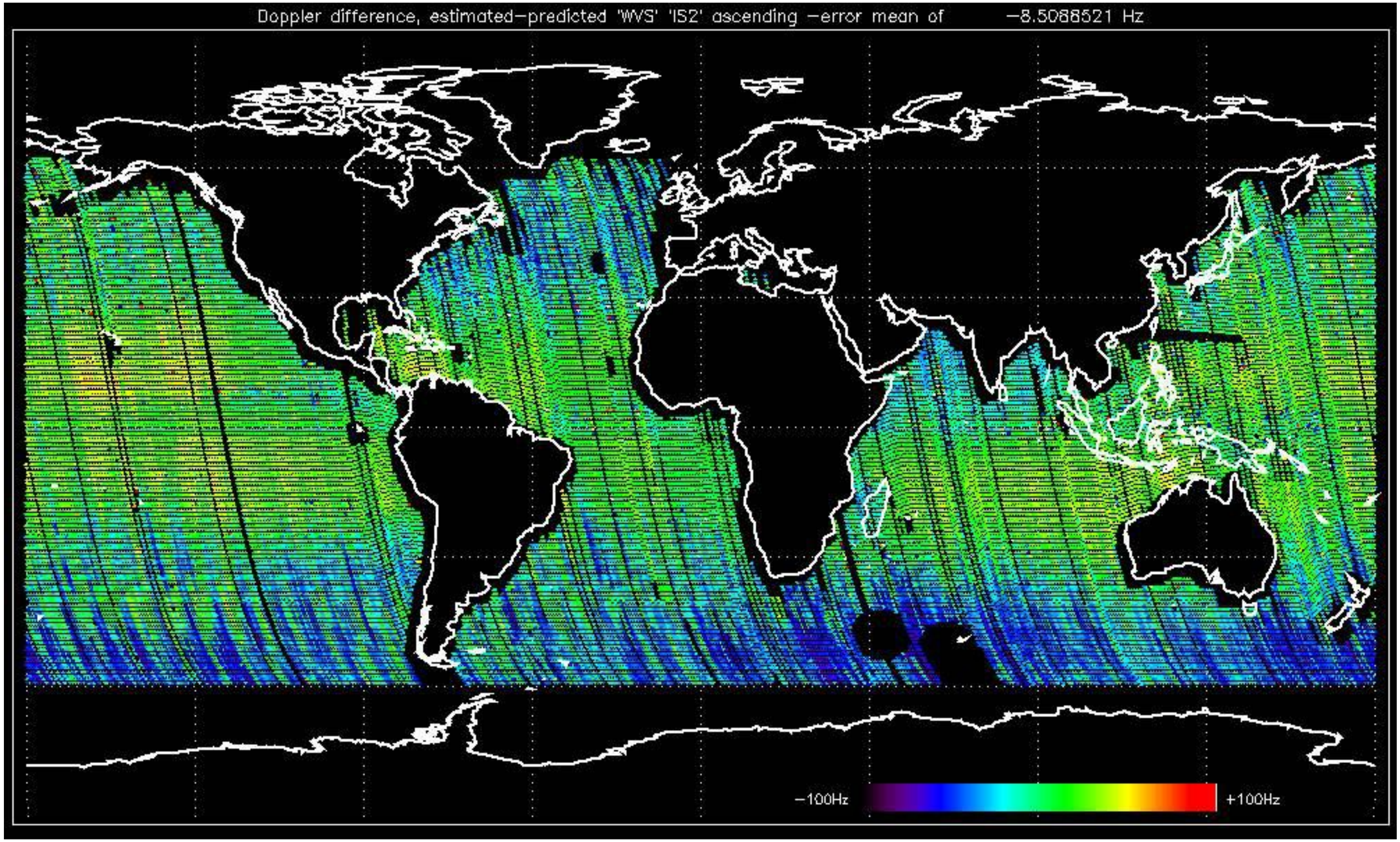

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

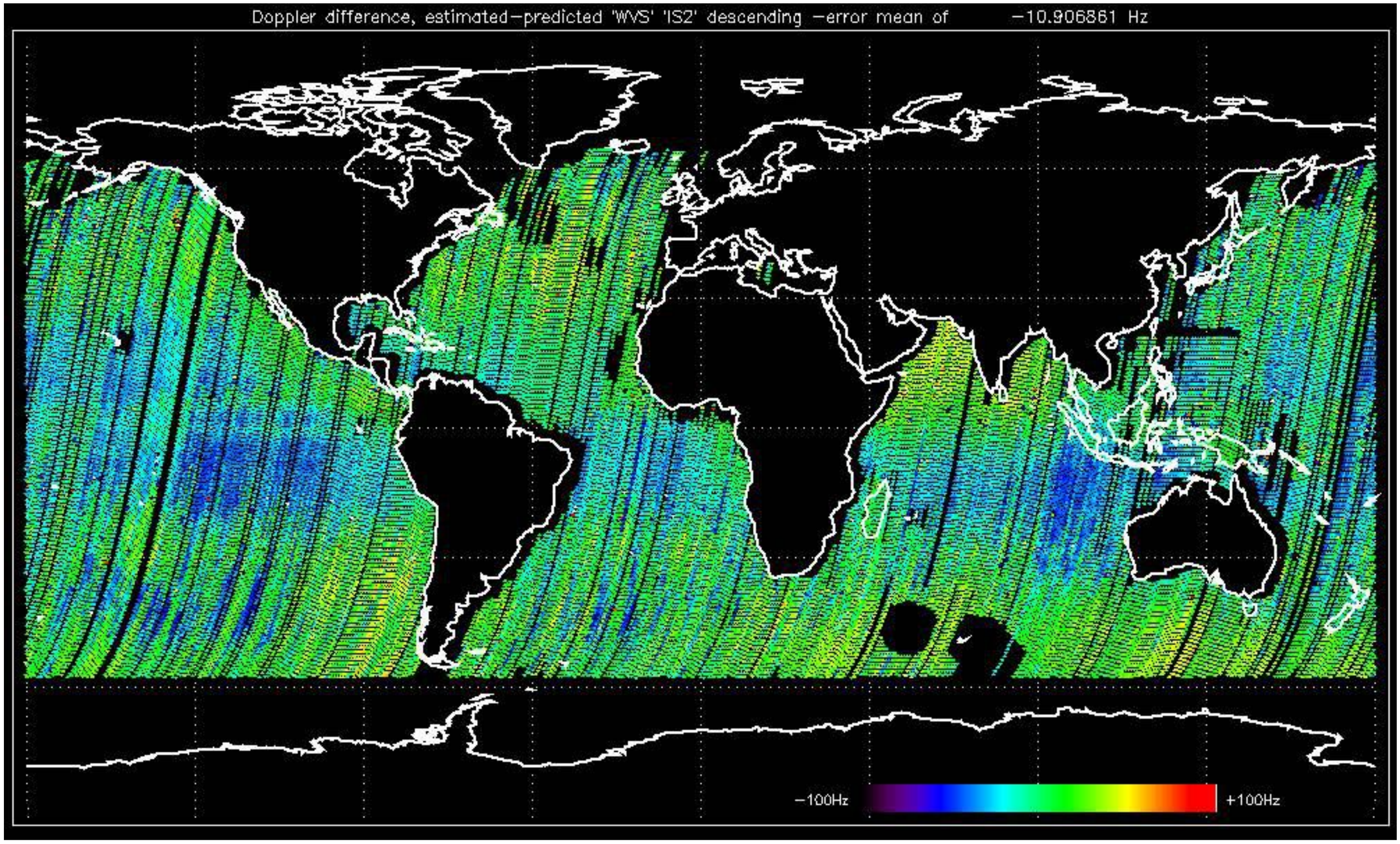

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.068655 Hz
−100Hz
+100Hz

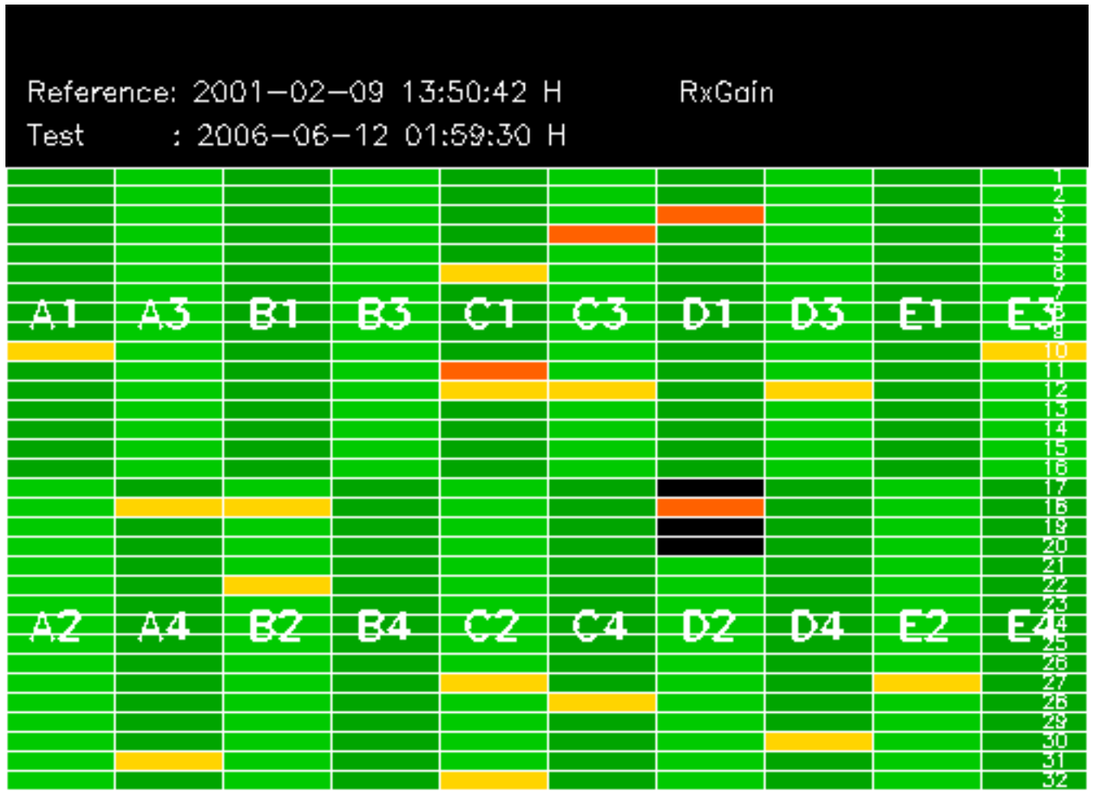

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −5.7730992 Hz
−100Hz
+100Hz

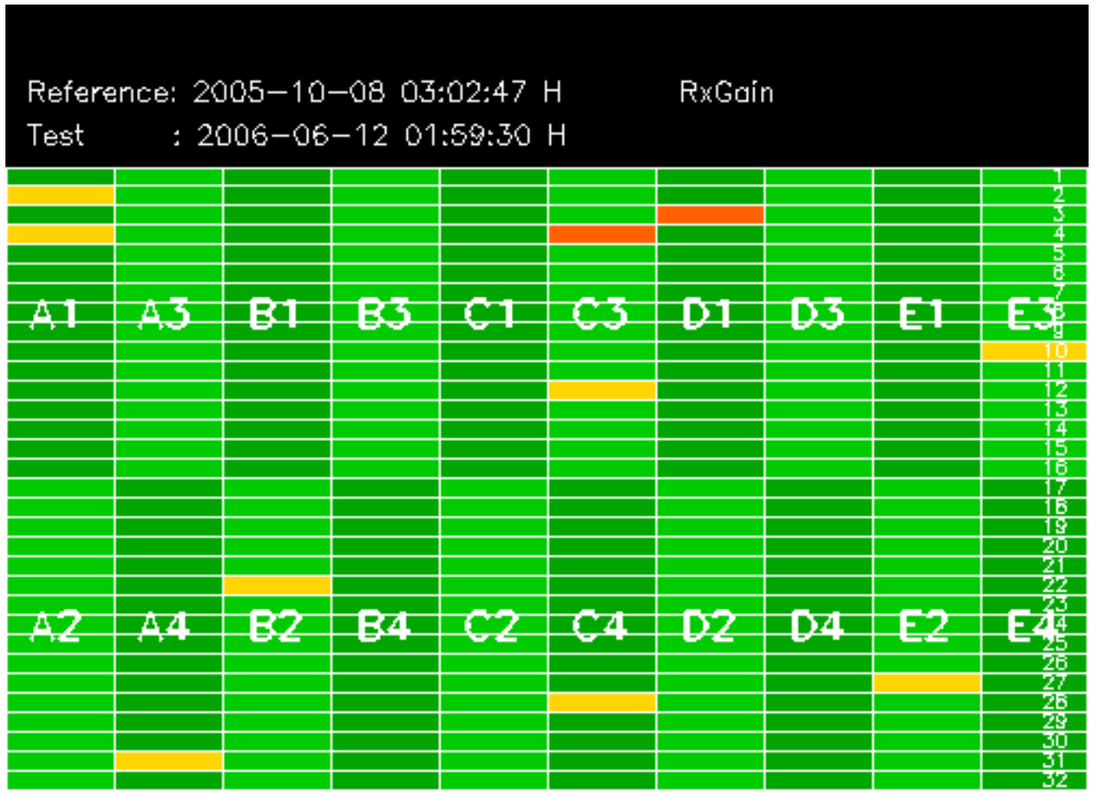

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −8.5088521 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.906861 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-12 01:59:30 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 : 2006-06-12 01:59:30 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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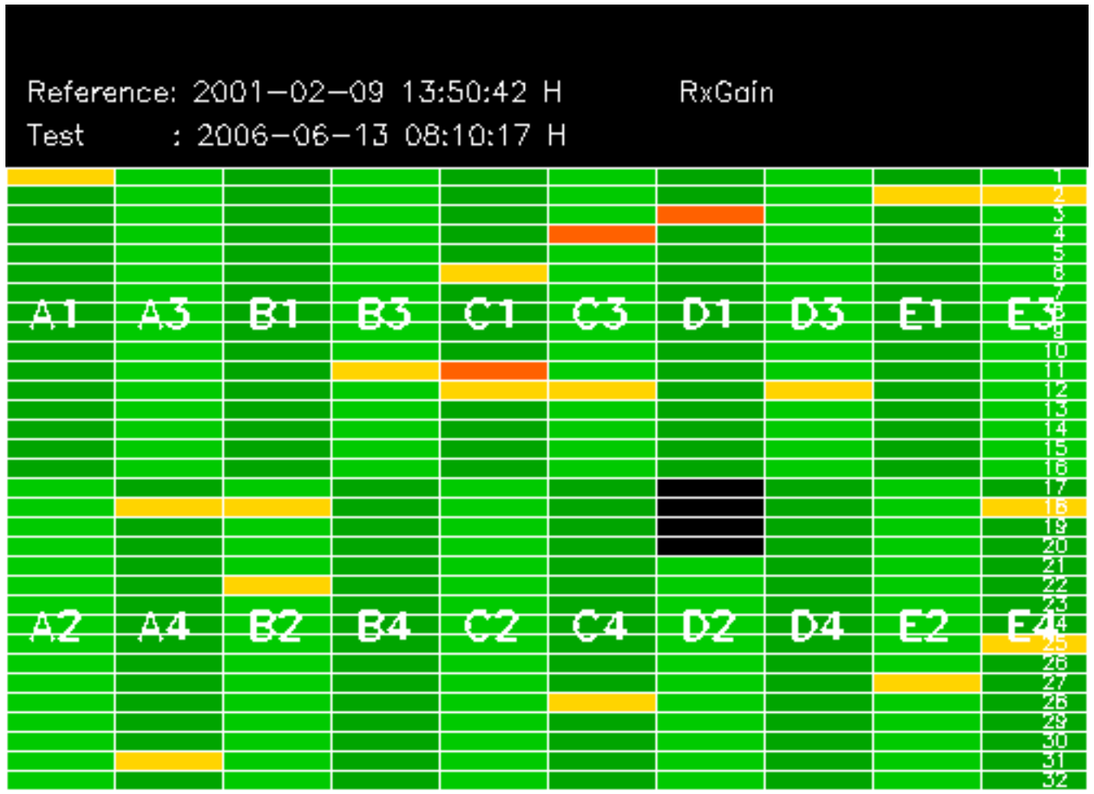
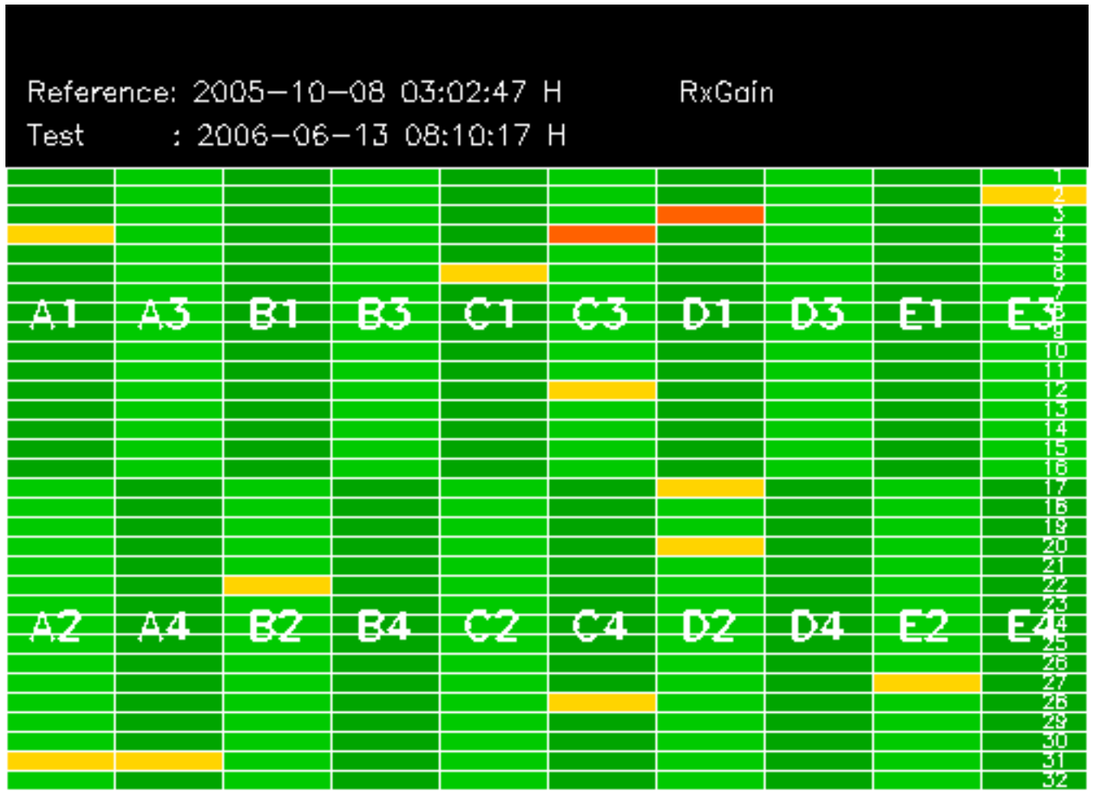

Reference: 2001-02-09 13:50:42 H
Test : 2006-06-13 08:10:17 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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
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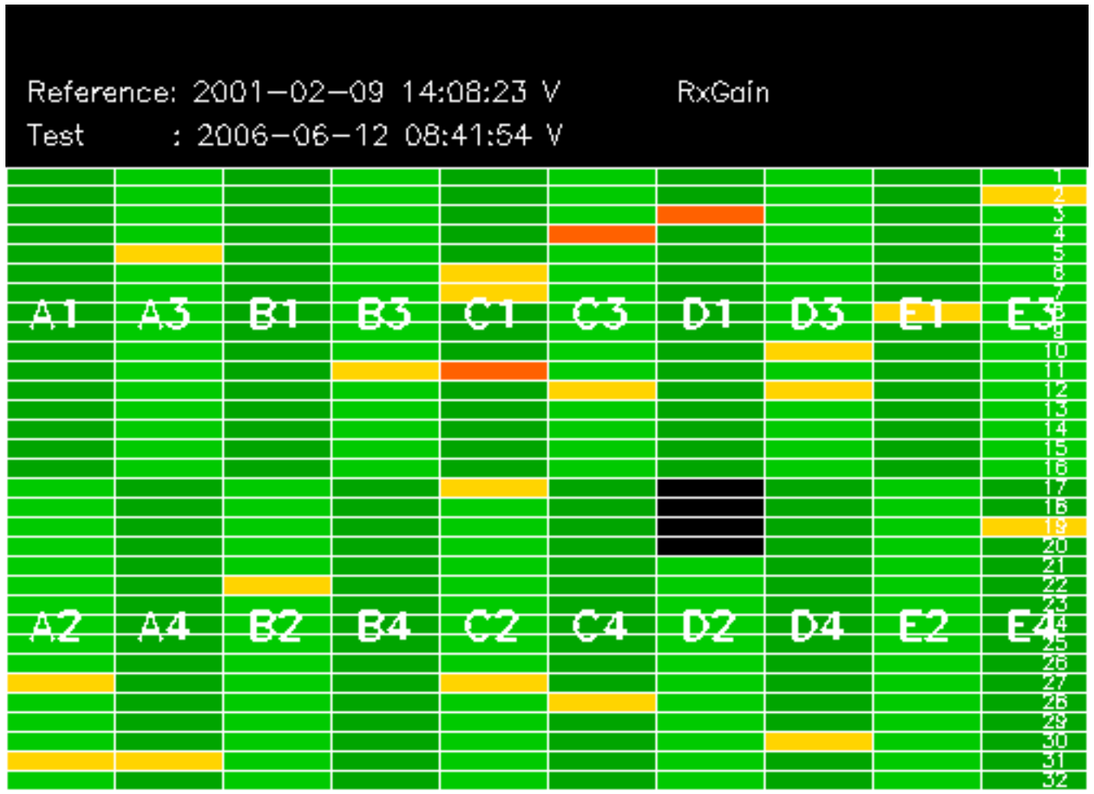
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-12 08:41:54 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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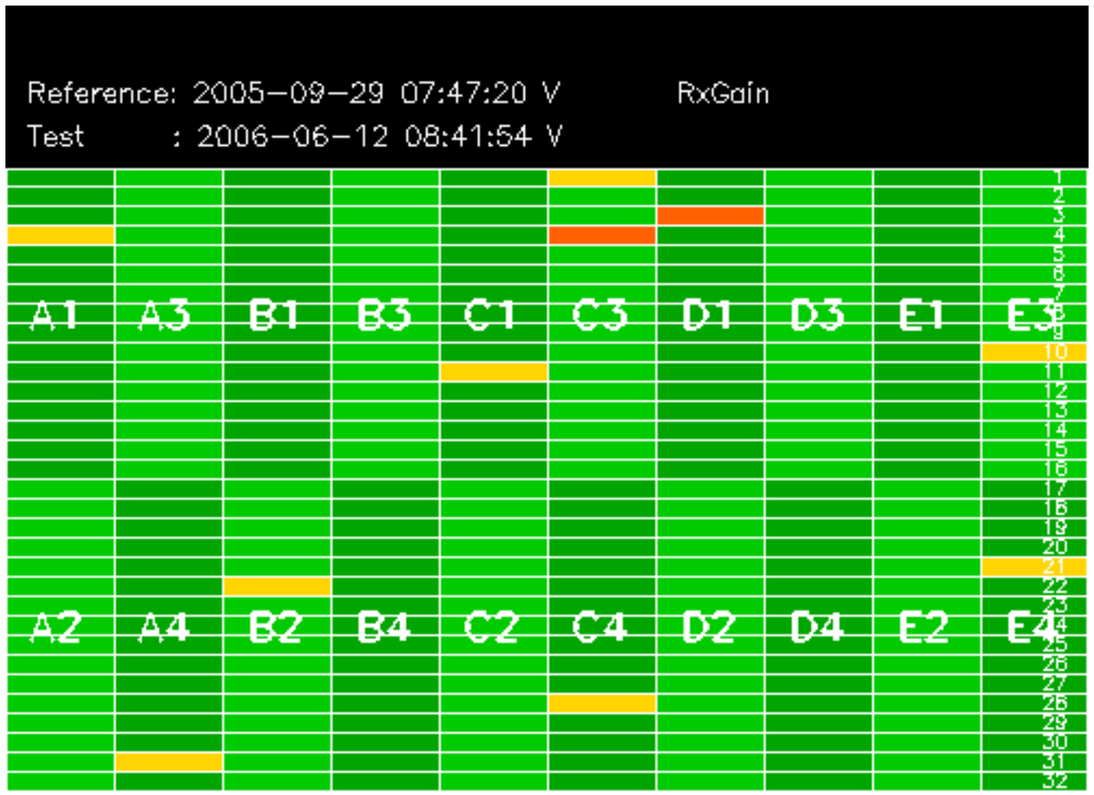
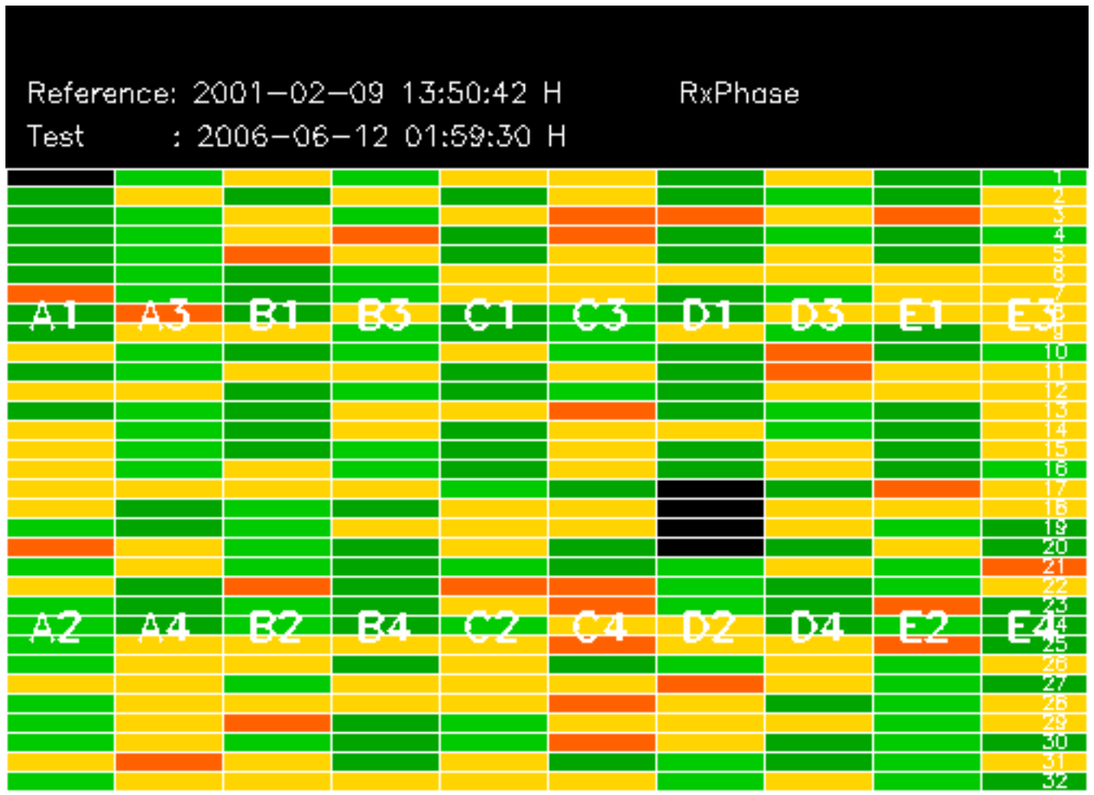
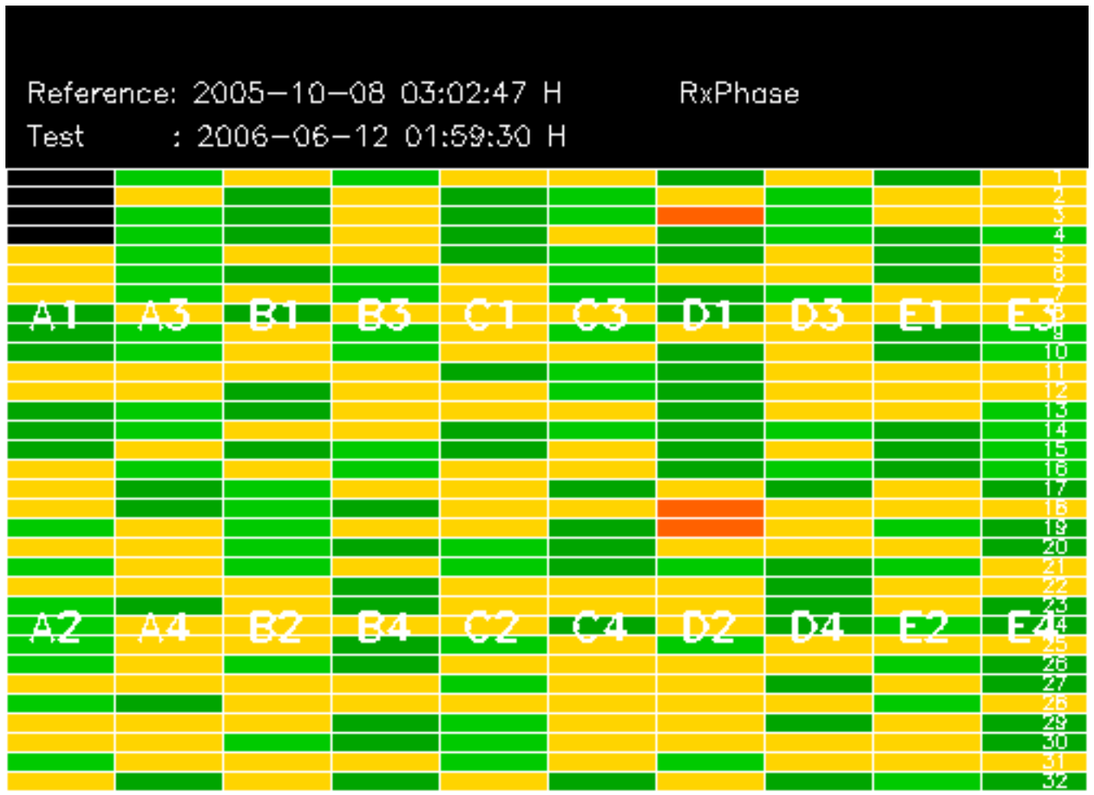

Reference: 2005-09-29 07:47:20 V
Test : 2006-06-12 08:41:54 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-12 01:59:30 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 : 2006-06-12 01:59:30 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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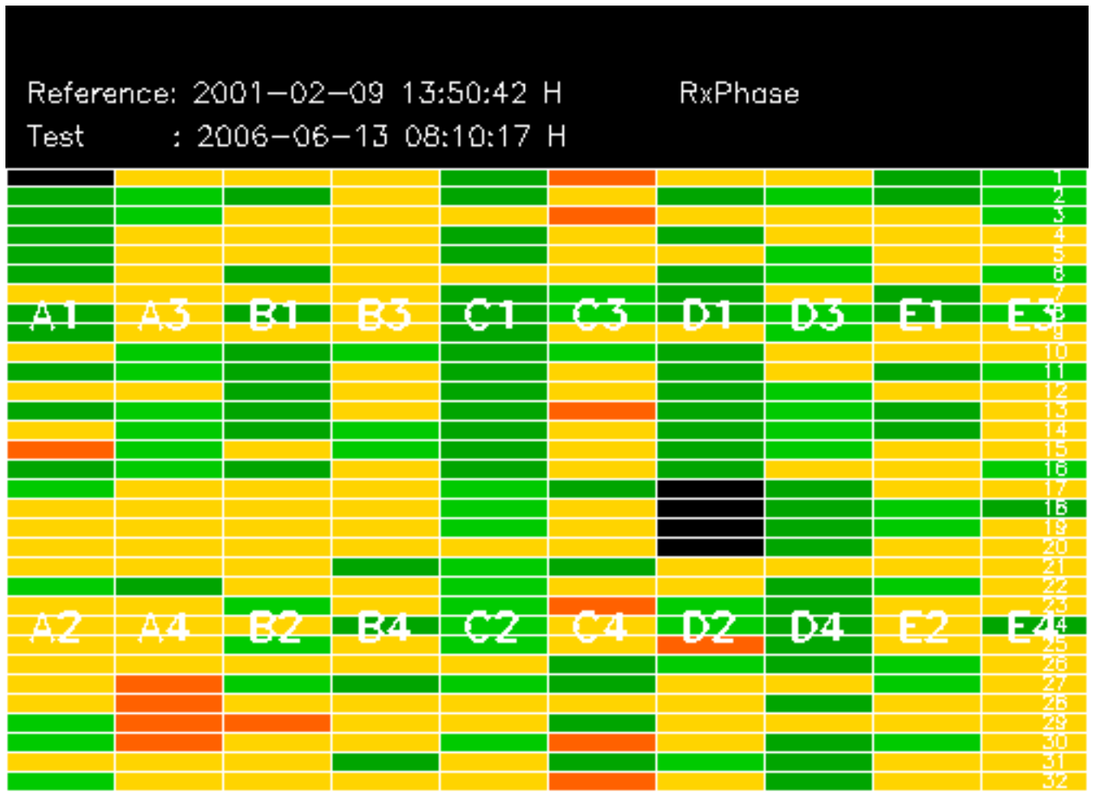
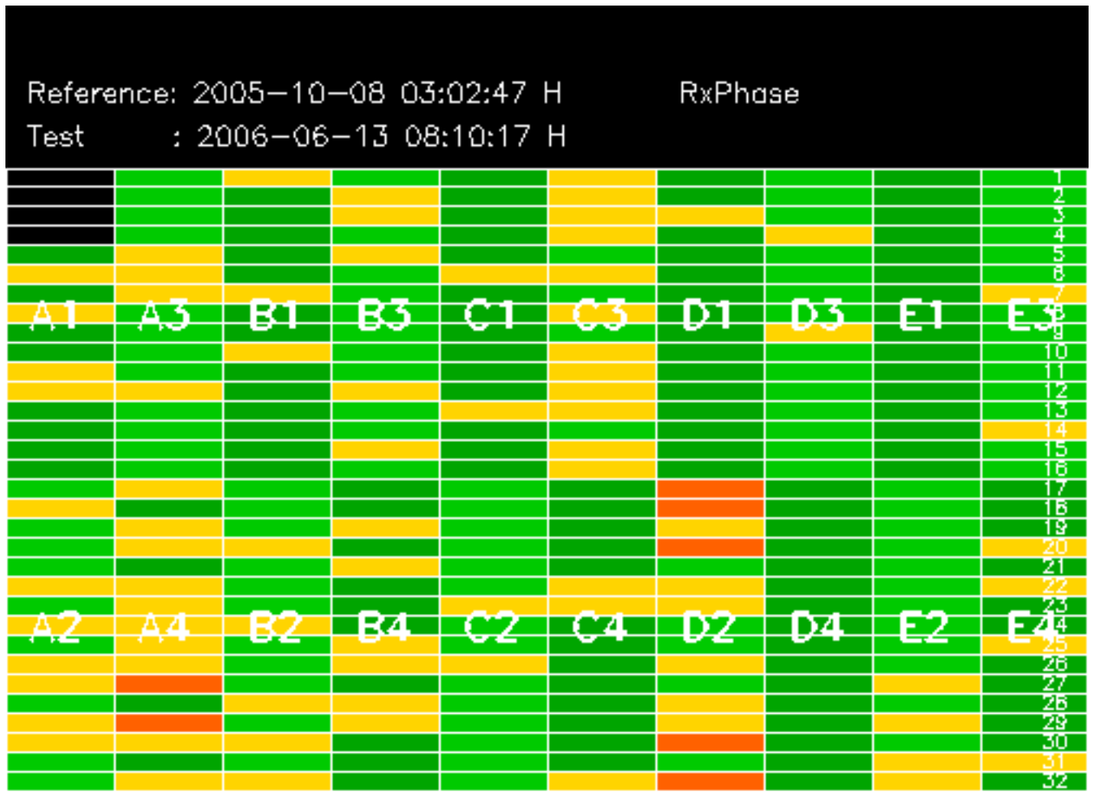

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-13 08:10:17 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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
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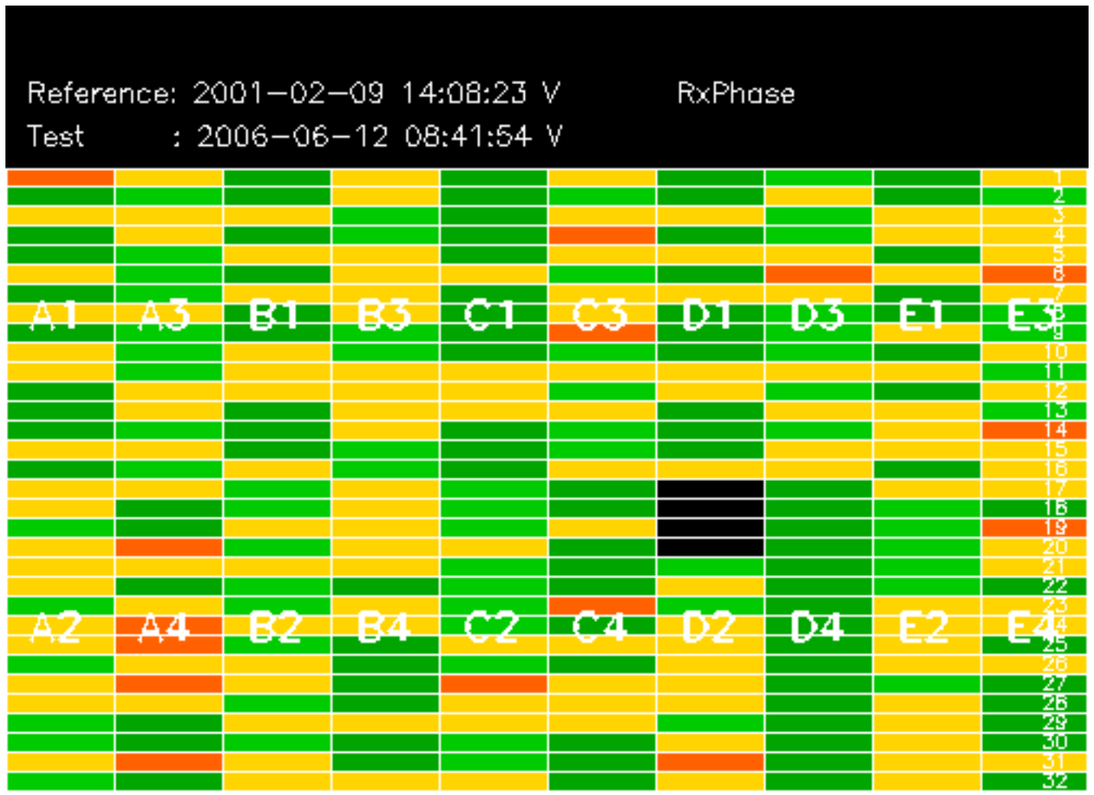
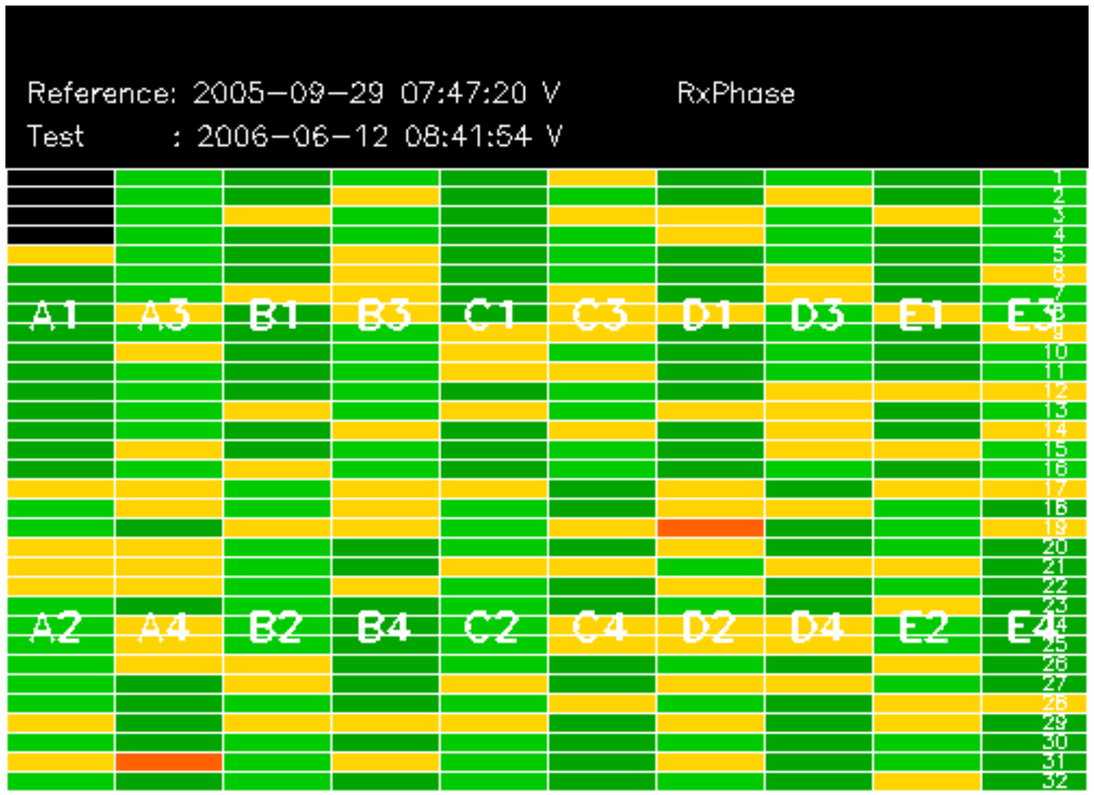

Reference: 2001-02-09 14:08:23 V
Test : 2006-06-12 08:41:54 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-12 08:41:54 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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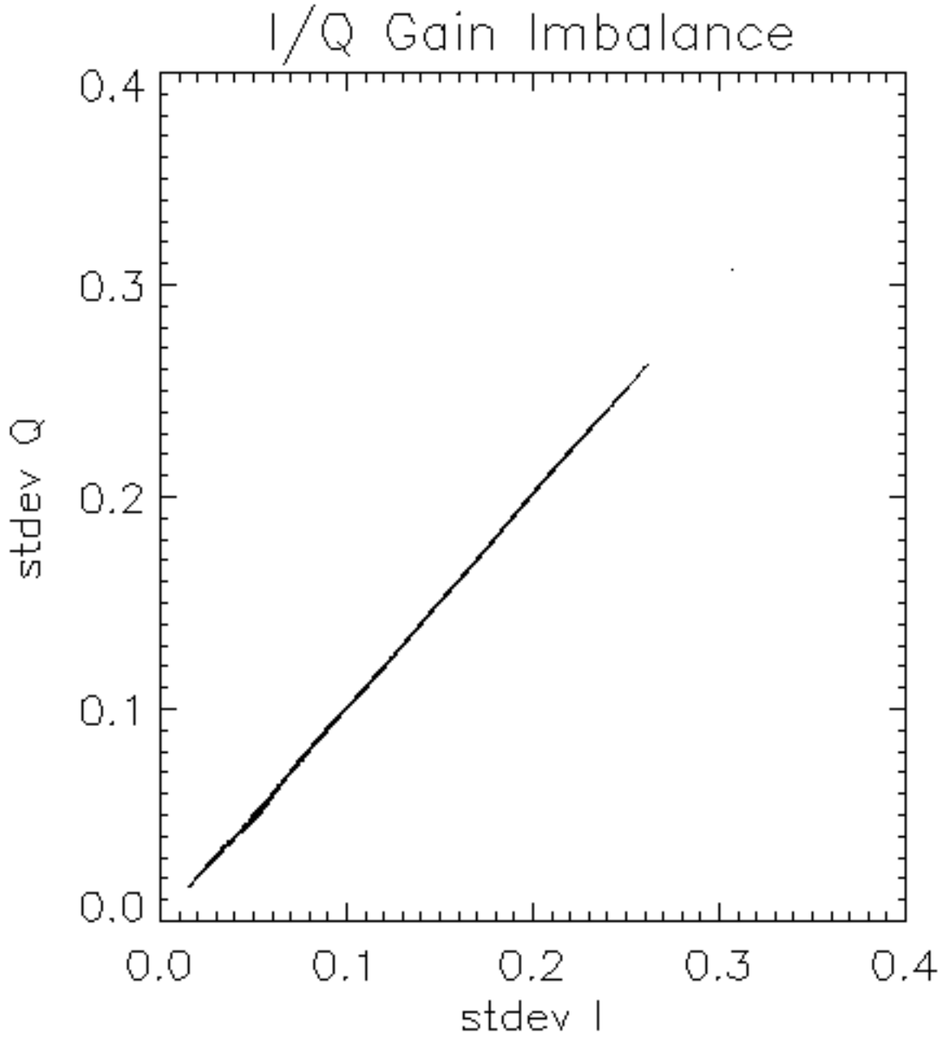
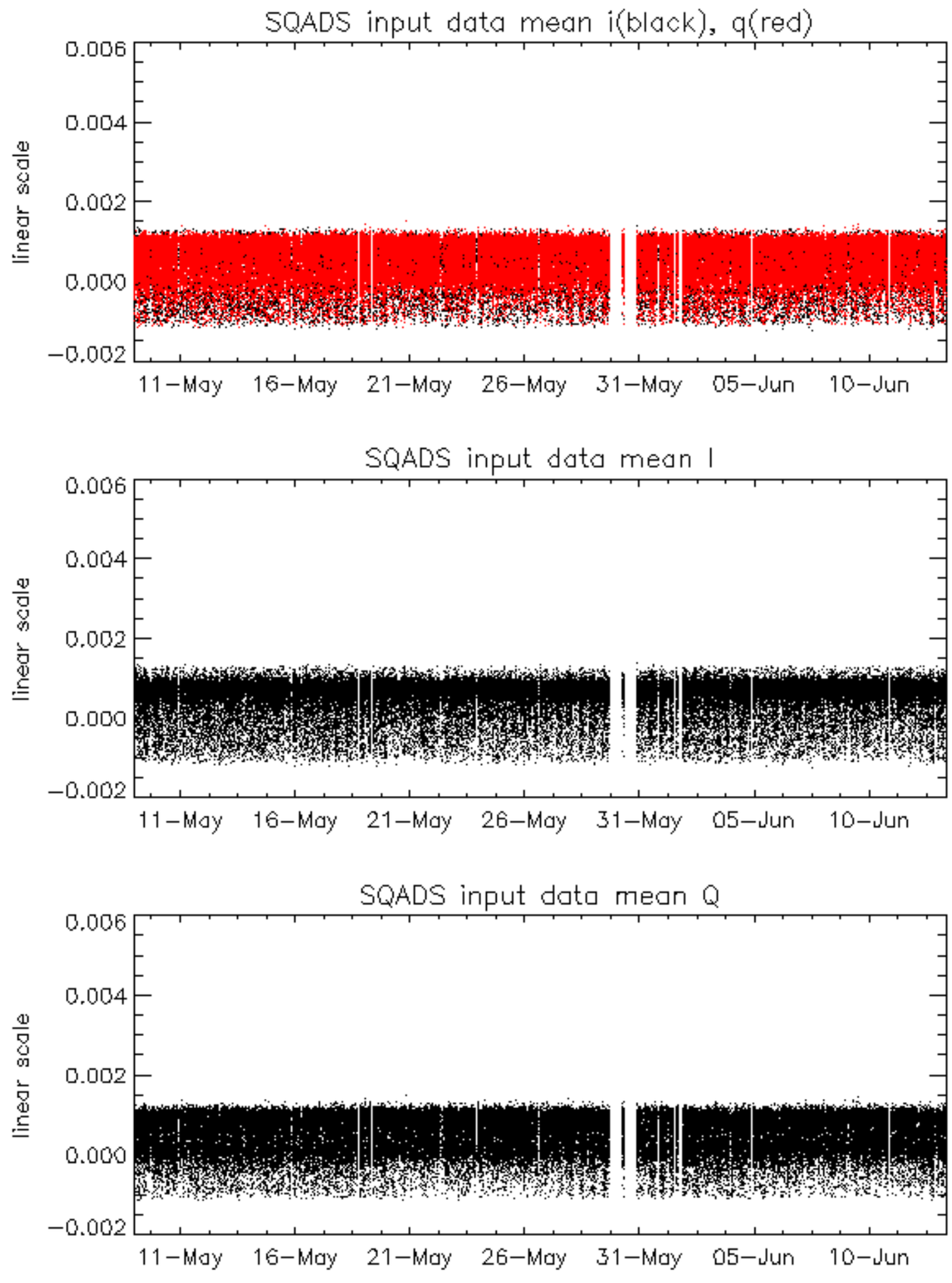
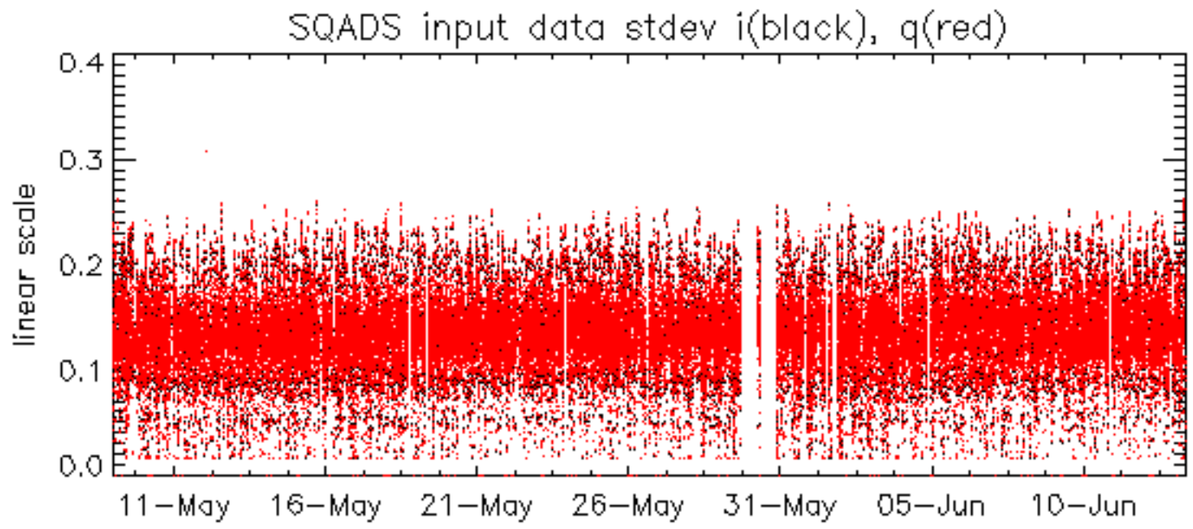
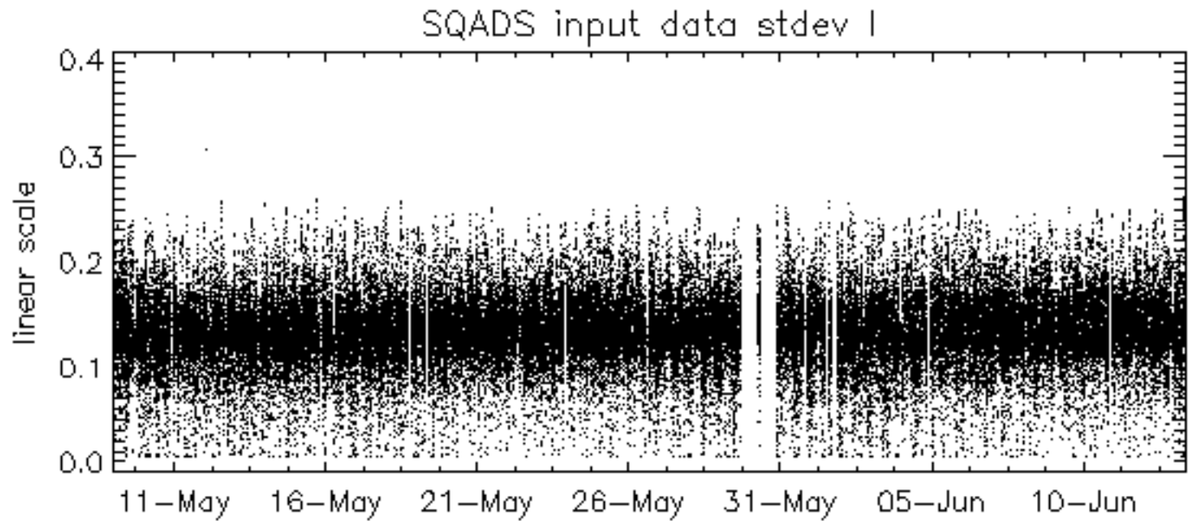
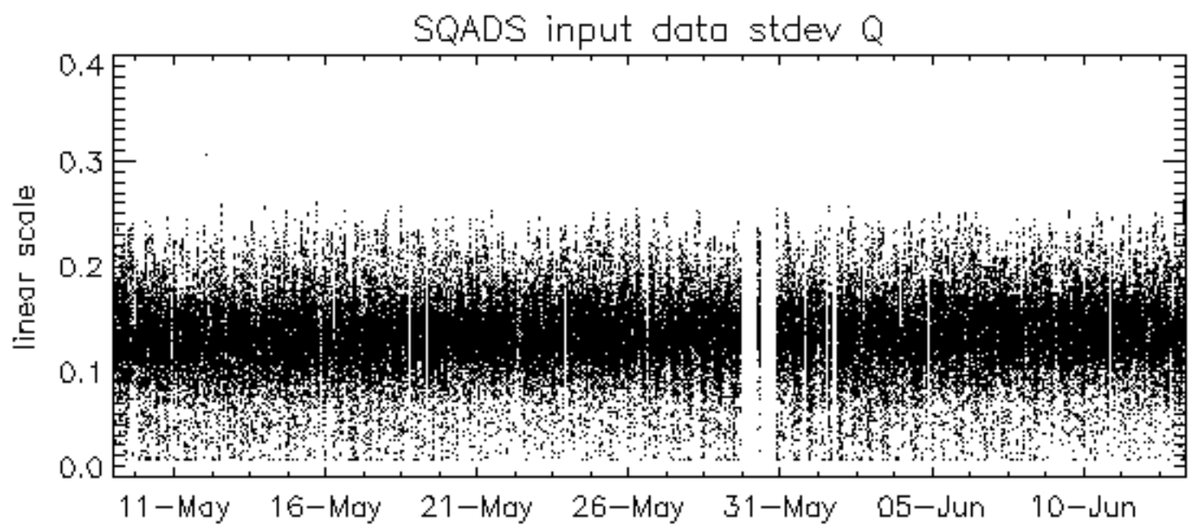
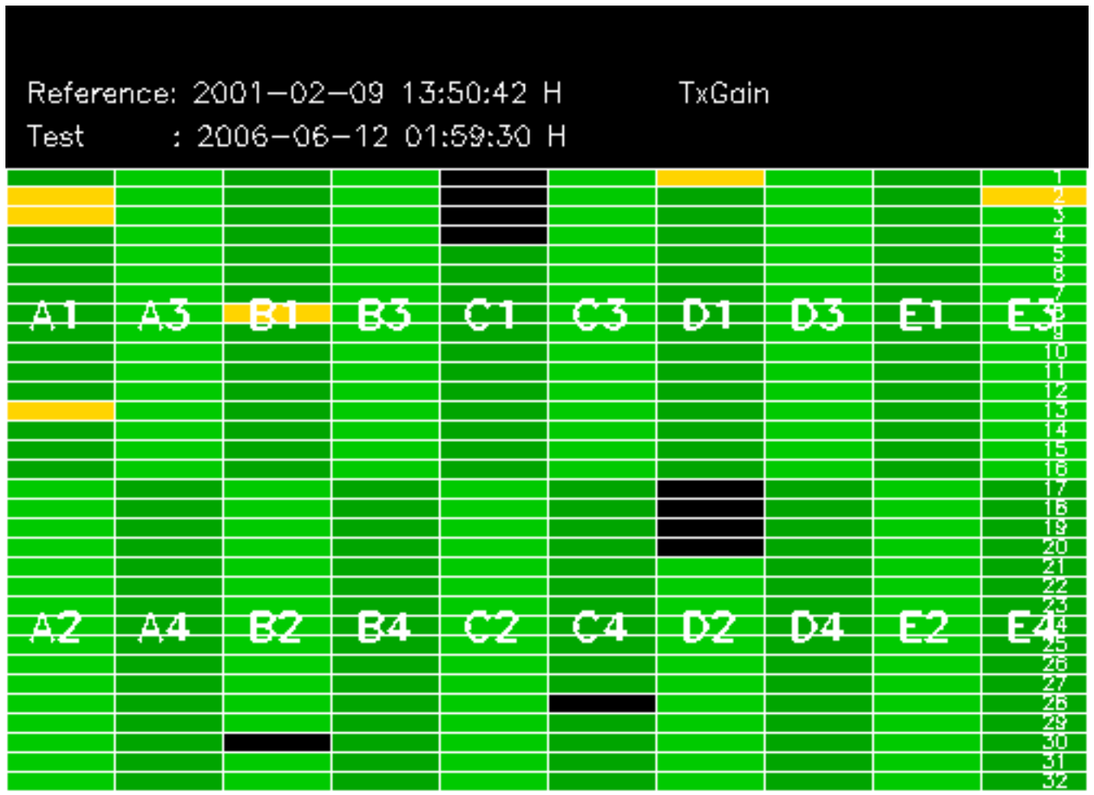

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I


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


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


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


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


Reference: 2001-02-09 13:50:42 H
TxGain
Test : 2006-06-12 01:59:30 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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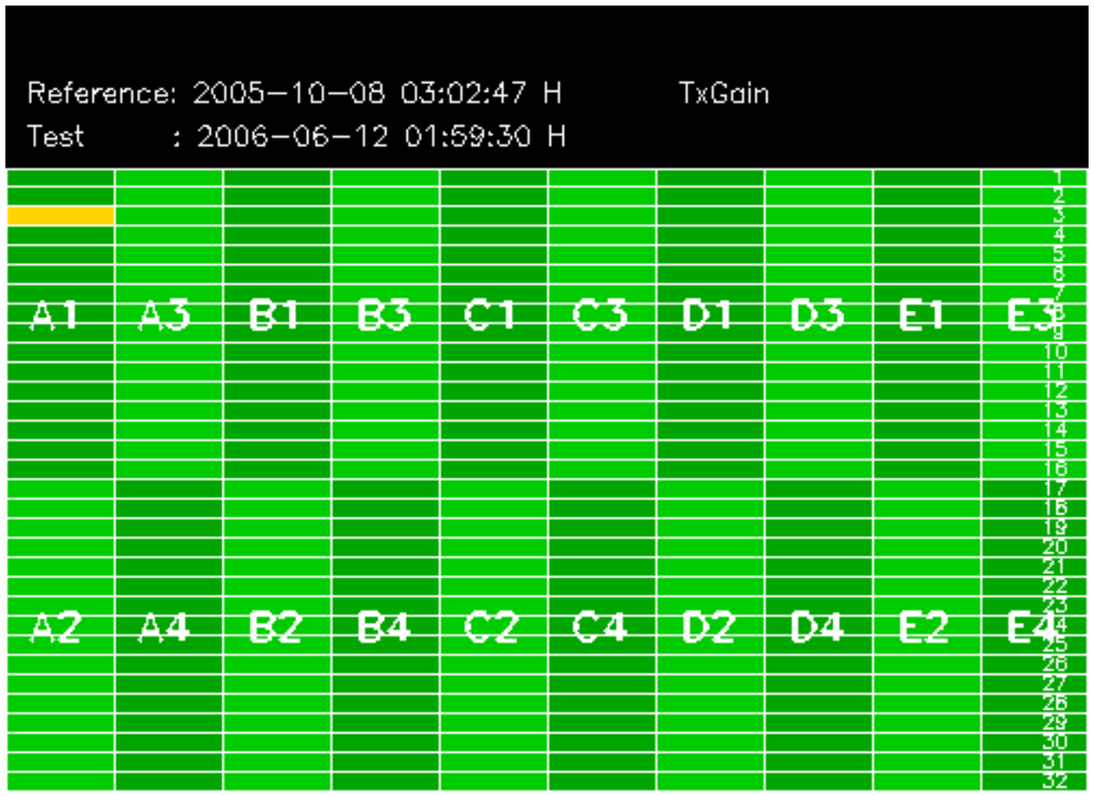
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-12 01:59:30 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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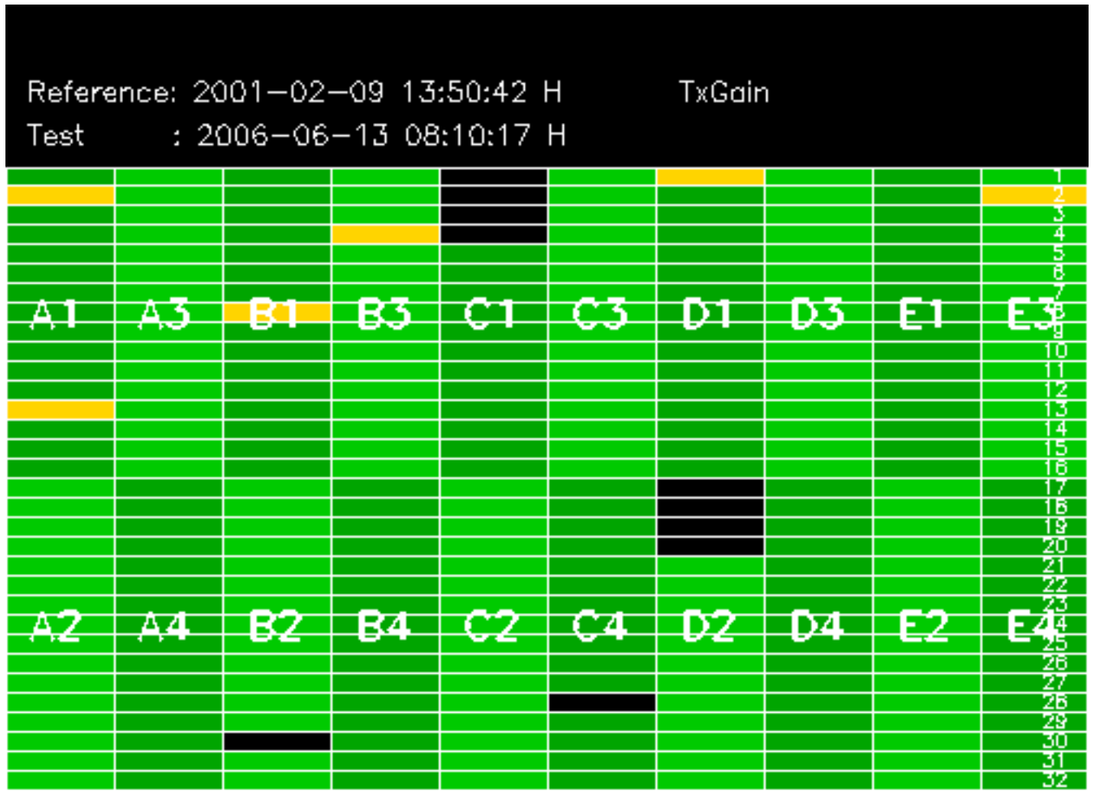
Reference: 2001-02-09 13:50:42 H
Test : 2006-06-13 08:10:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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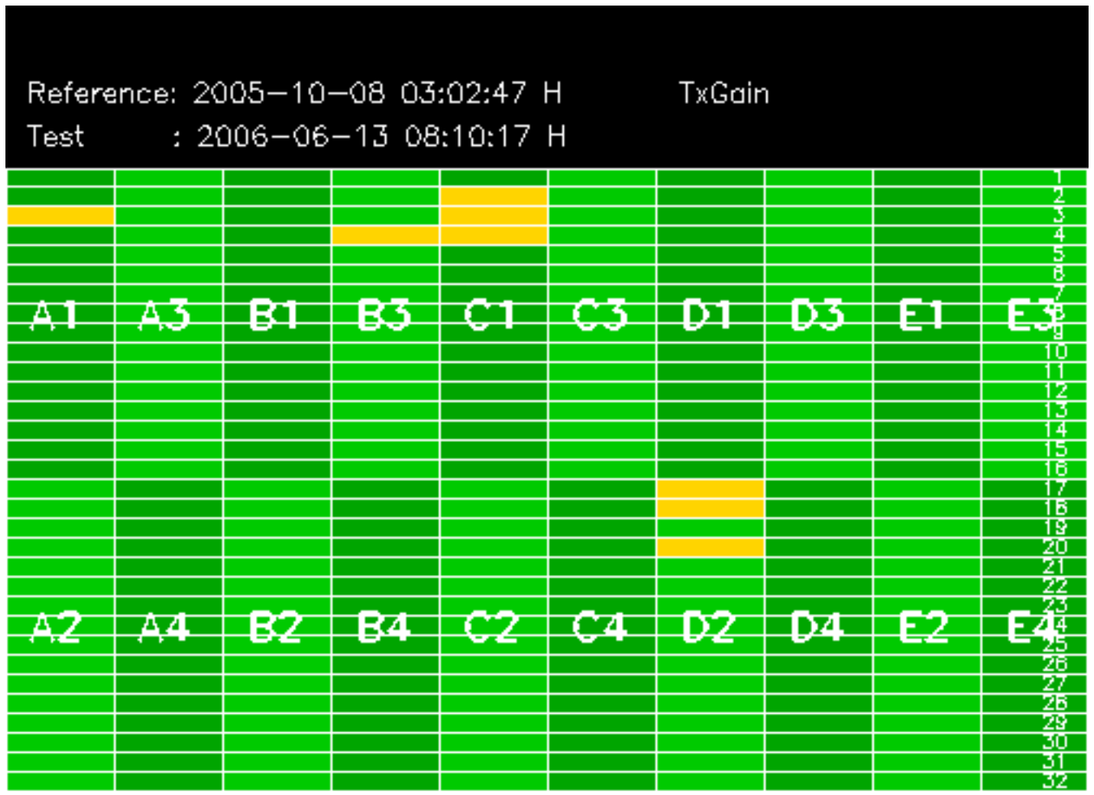
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-13 08:10:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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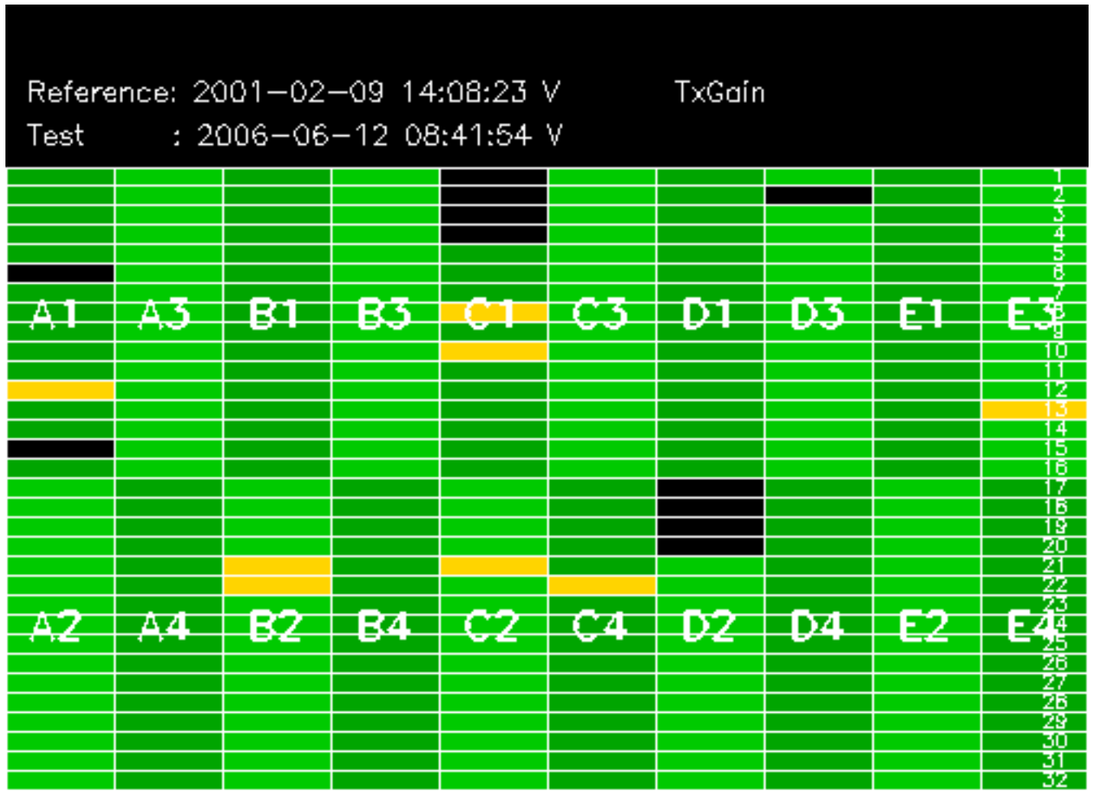
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-12 08:41:54 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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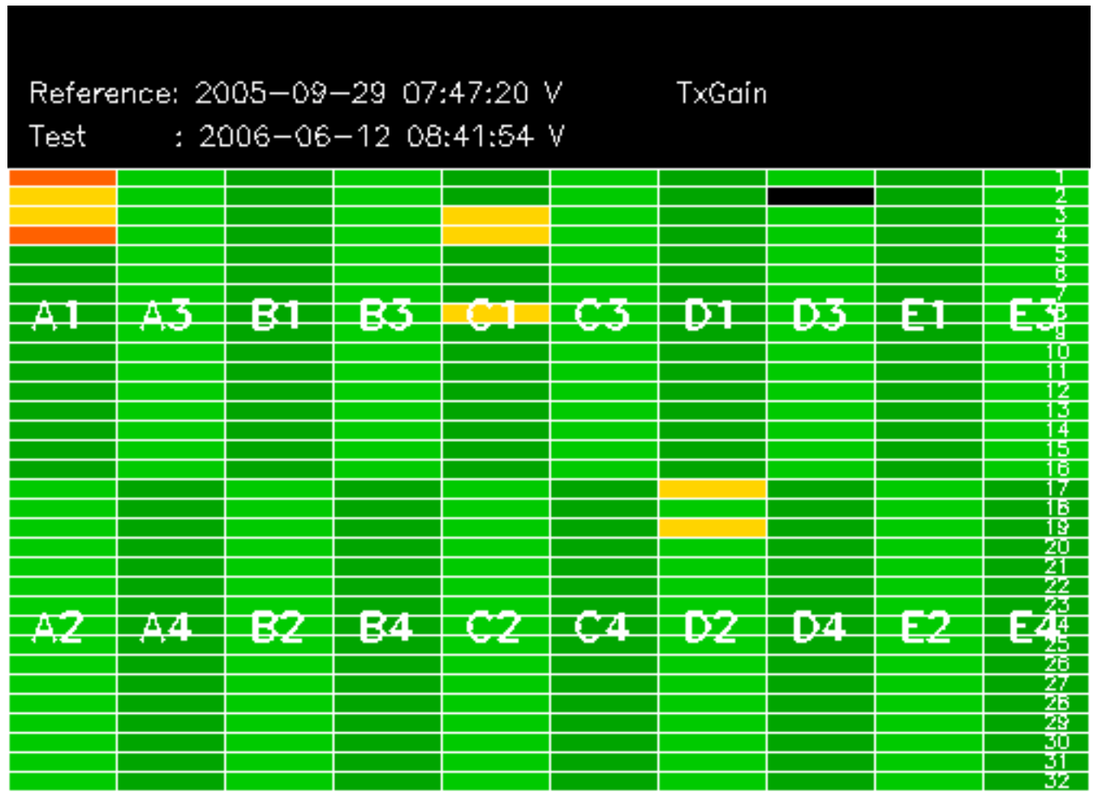
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-12 08:41:54 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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Summary of analysis for the last 3 days 2006061[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060612_064716_000000372048_00292_22390_7200.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060613_010016_000000842048_00303_22401_7335.N1 </td> <td>1 </td> <td>0 </td></tr>
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<tr> <td>ASA_WVS_1PNPDE20060611_225739_000000002048_00287_22385_2590.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060611_021040_000000862048_00275_22373_3687.N1 </td> <td>0 </td> <td>2 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20060612_041708_000002082048_00291_22389_3765.N1 </td> <td>0 </td> <td>39 </td></tr>
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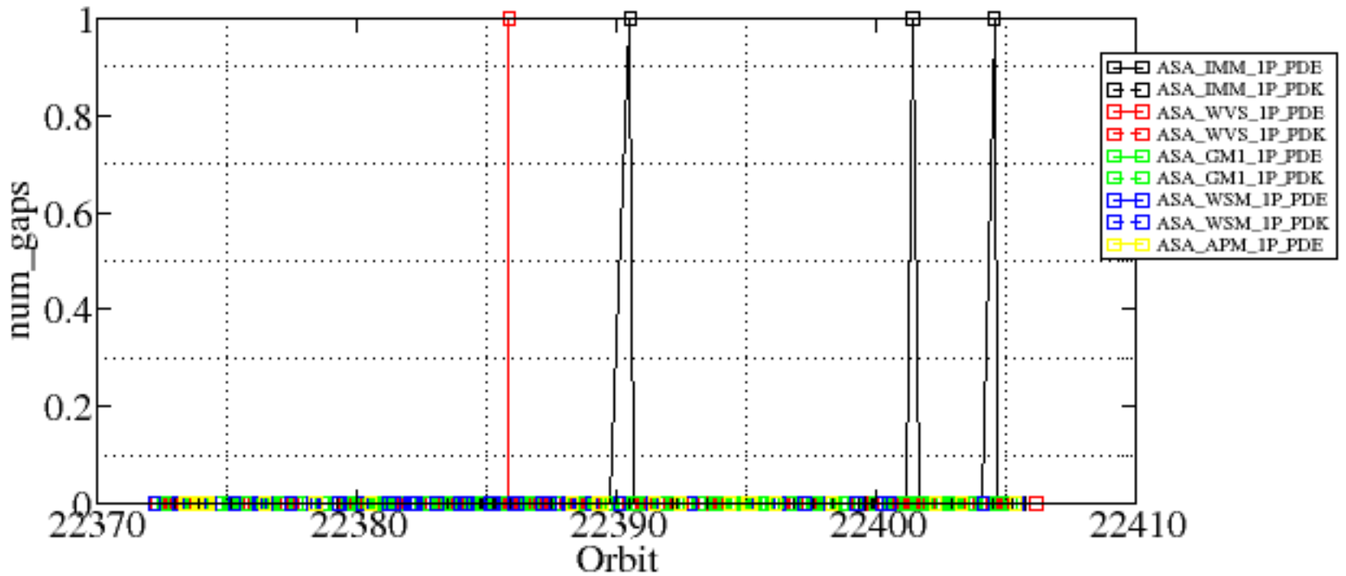
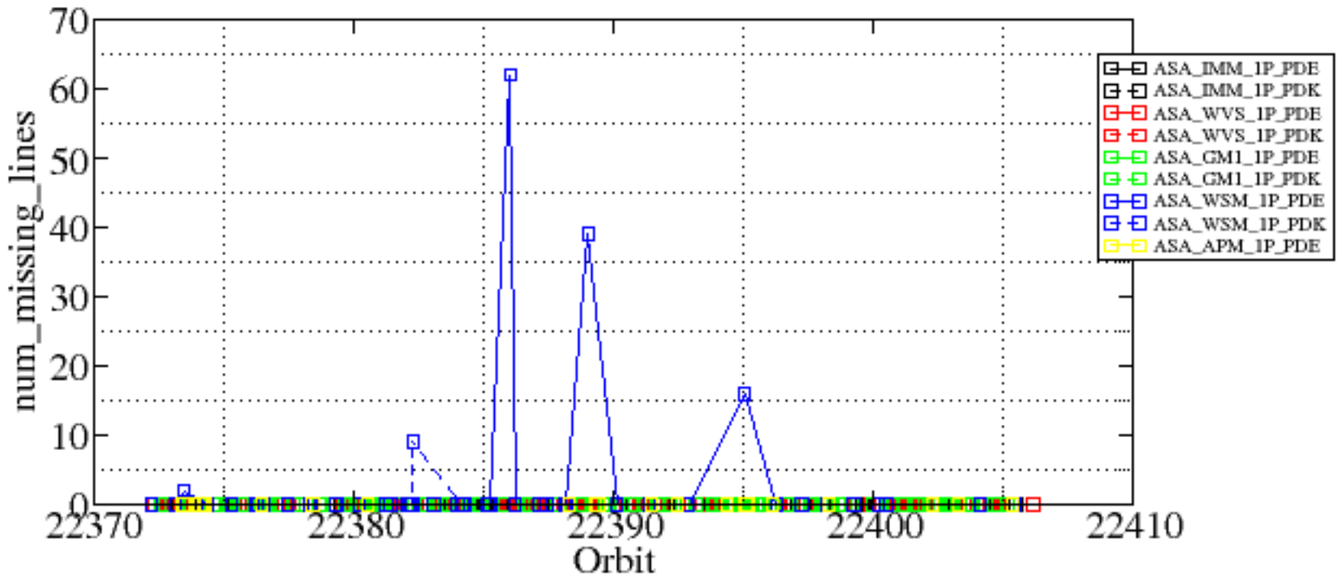
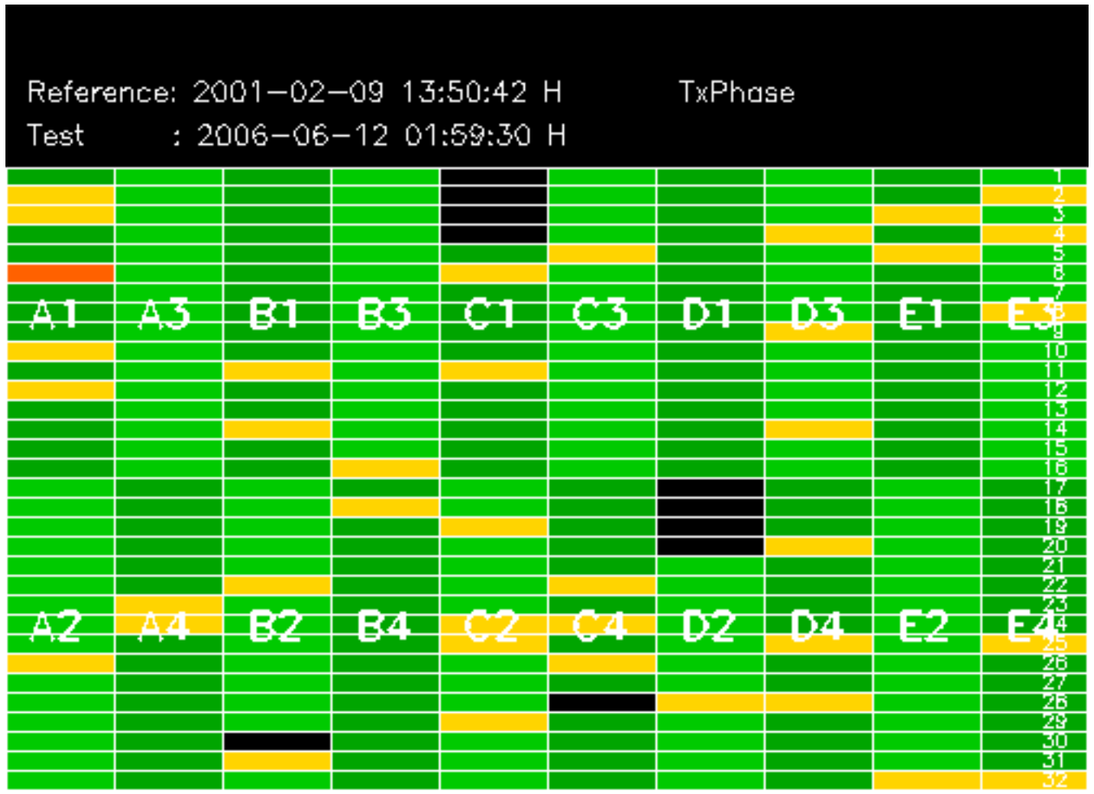
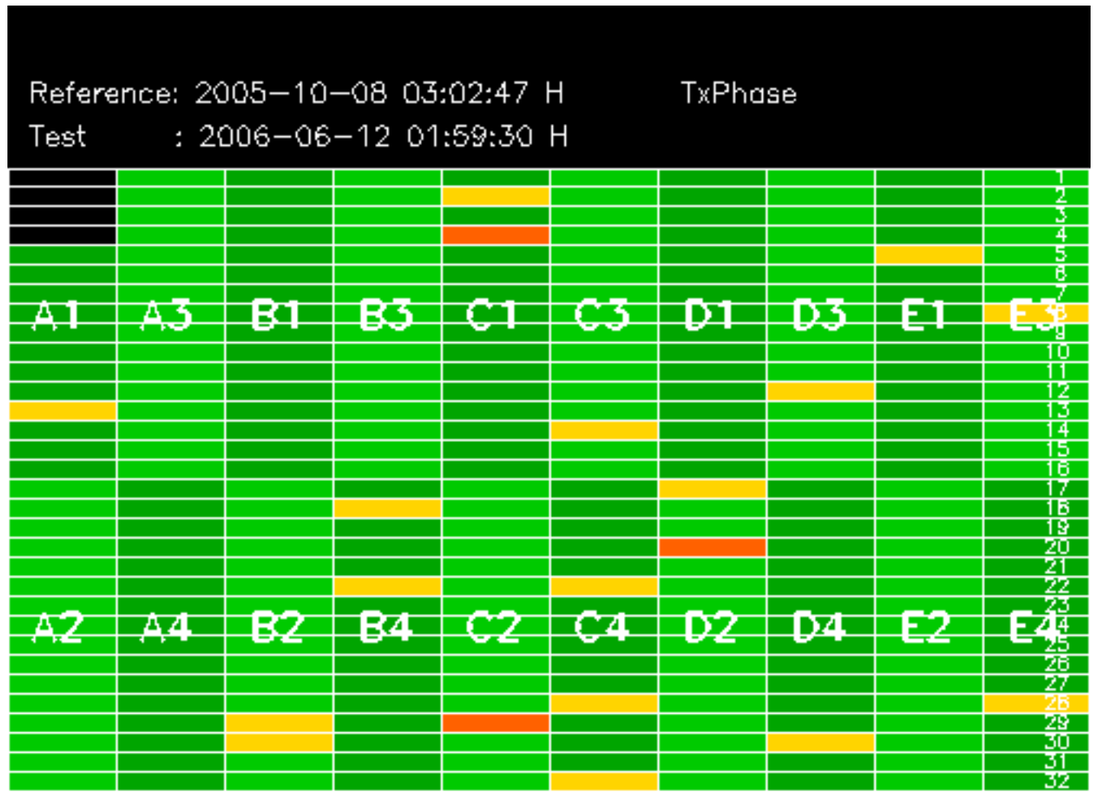

num_gaps
1
0.8
0.6
0.4
0.2
0
22370
22380
22390
22400
22410
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
70
60
50
40
30
20
10
0
22370
22380
22390
22400
22410
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
TxPhase
Test : 2006-06-12 01:59:30 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
Test : 2006-06-12 01:59:30 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
23
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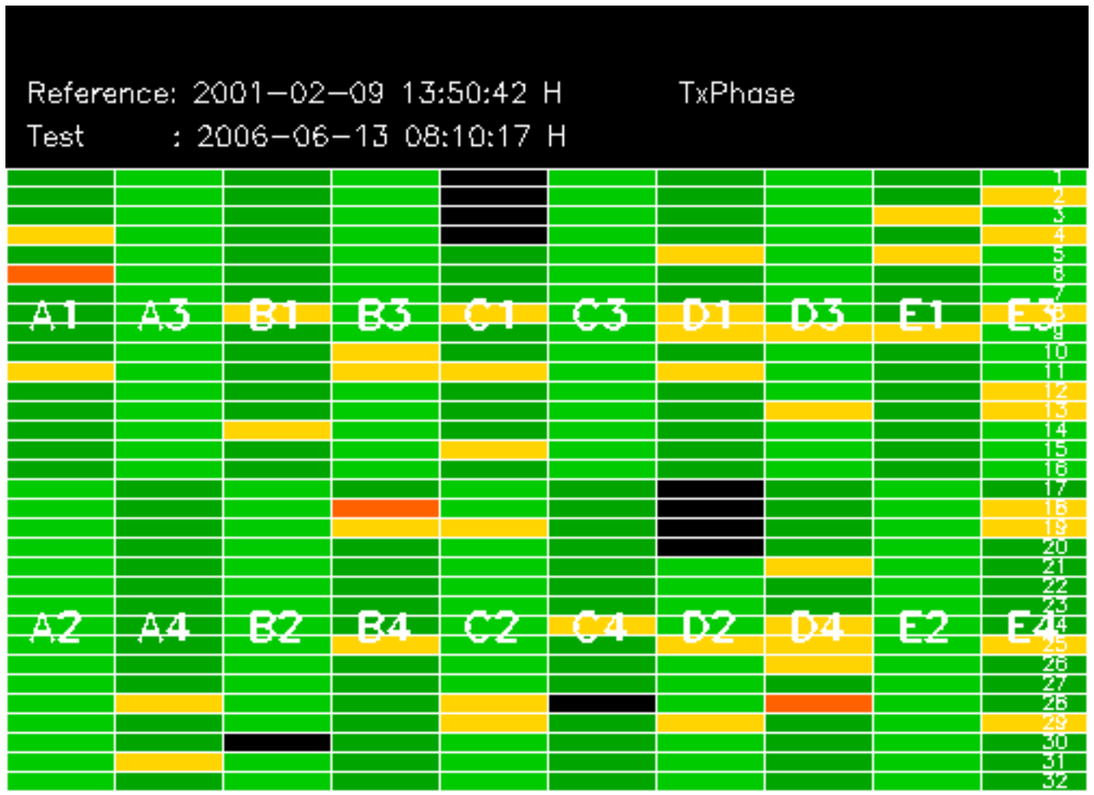
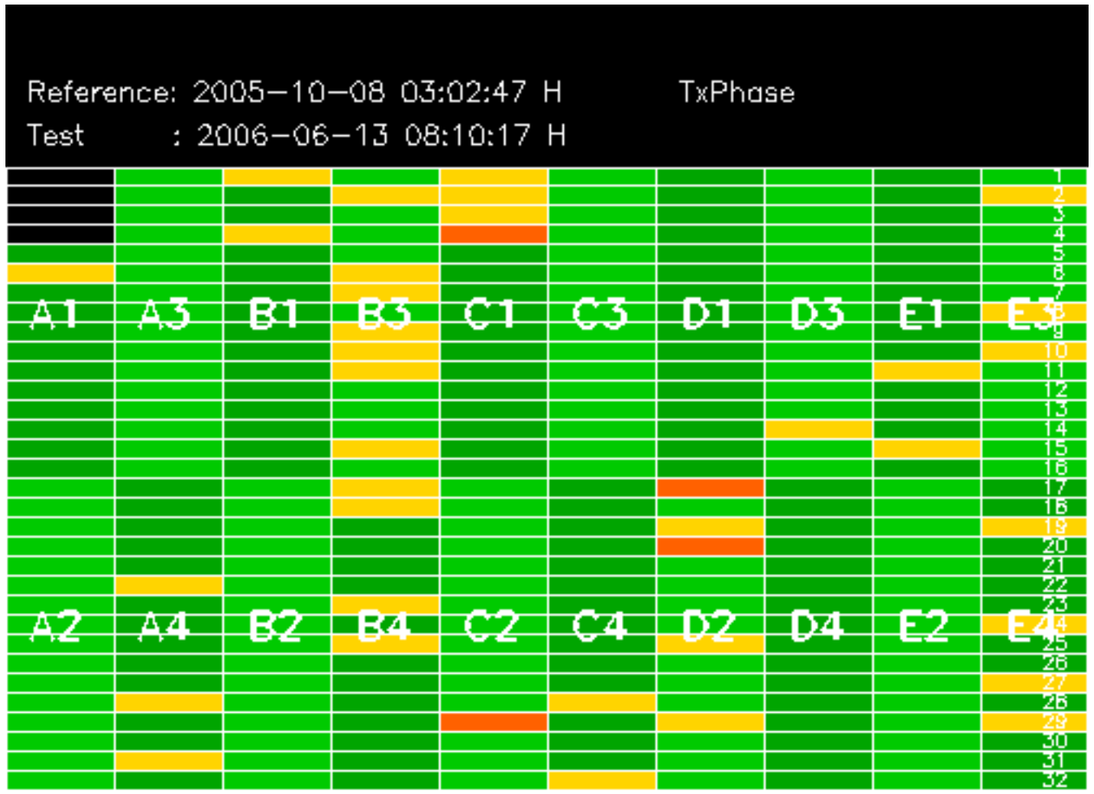
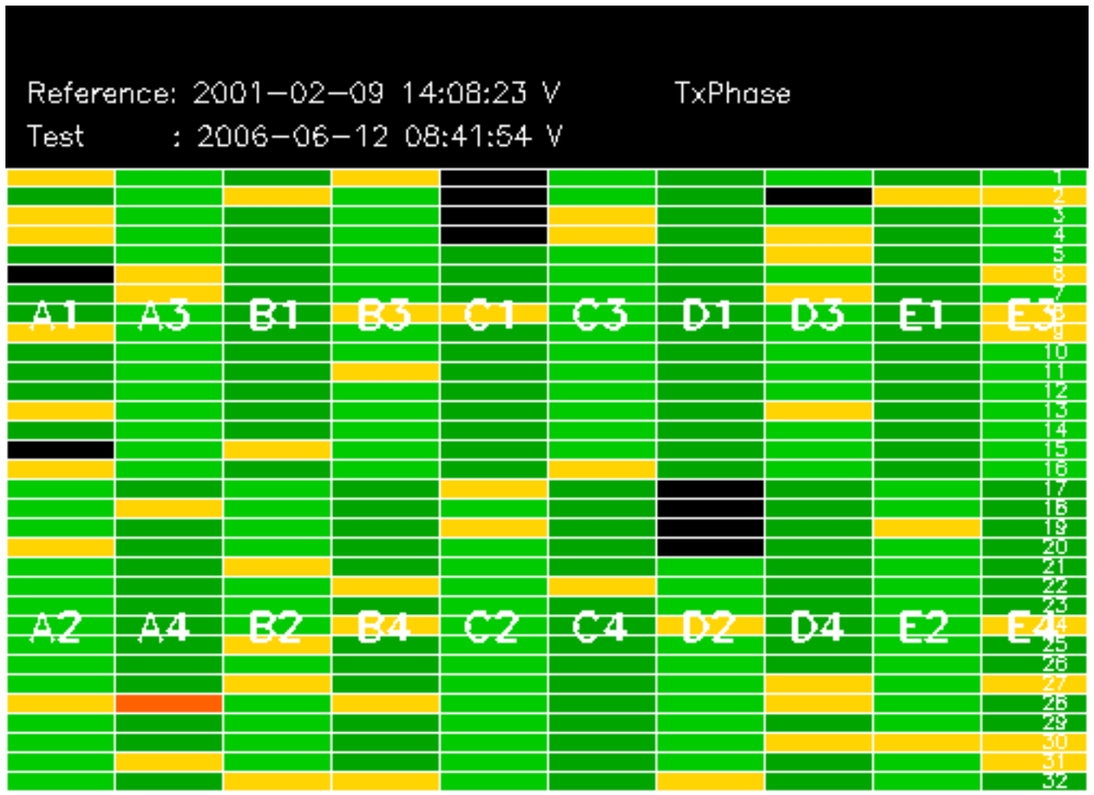
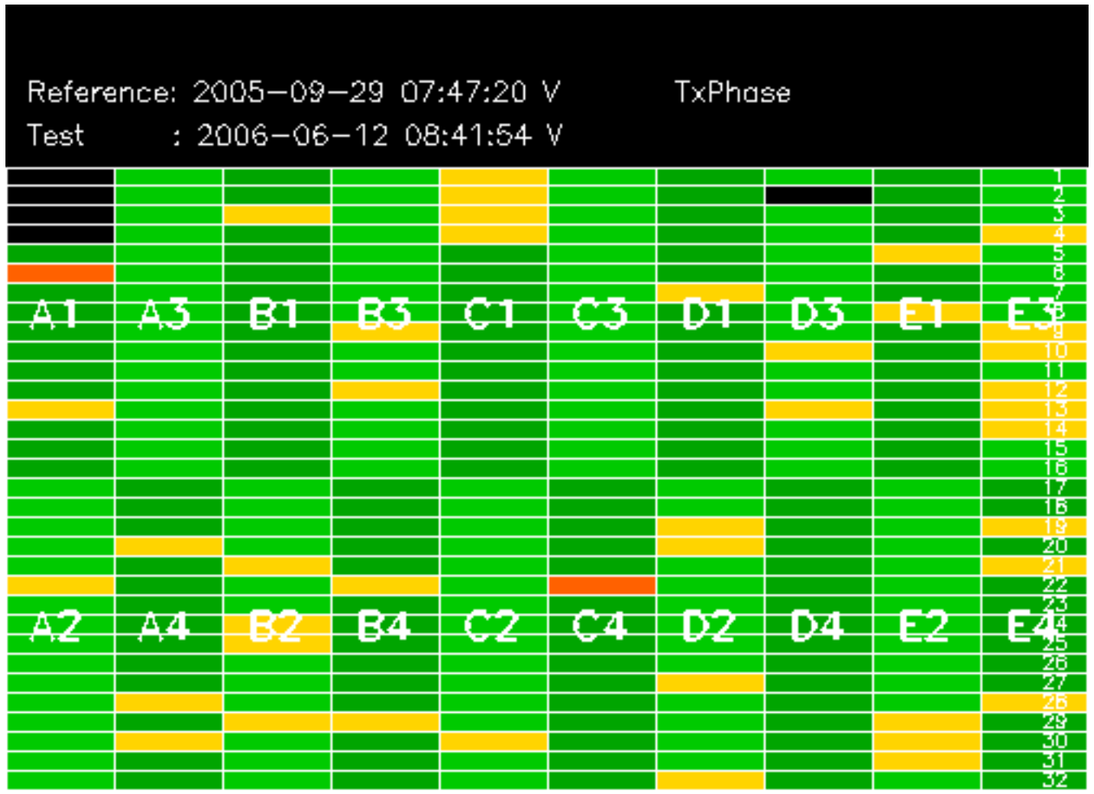
29
30
31
32


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 14:08:23 V
Test : 2006-06-12 08:41:54 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 : 2006-06-12 08:41:54 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
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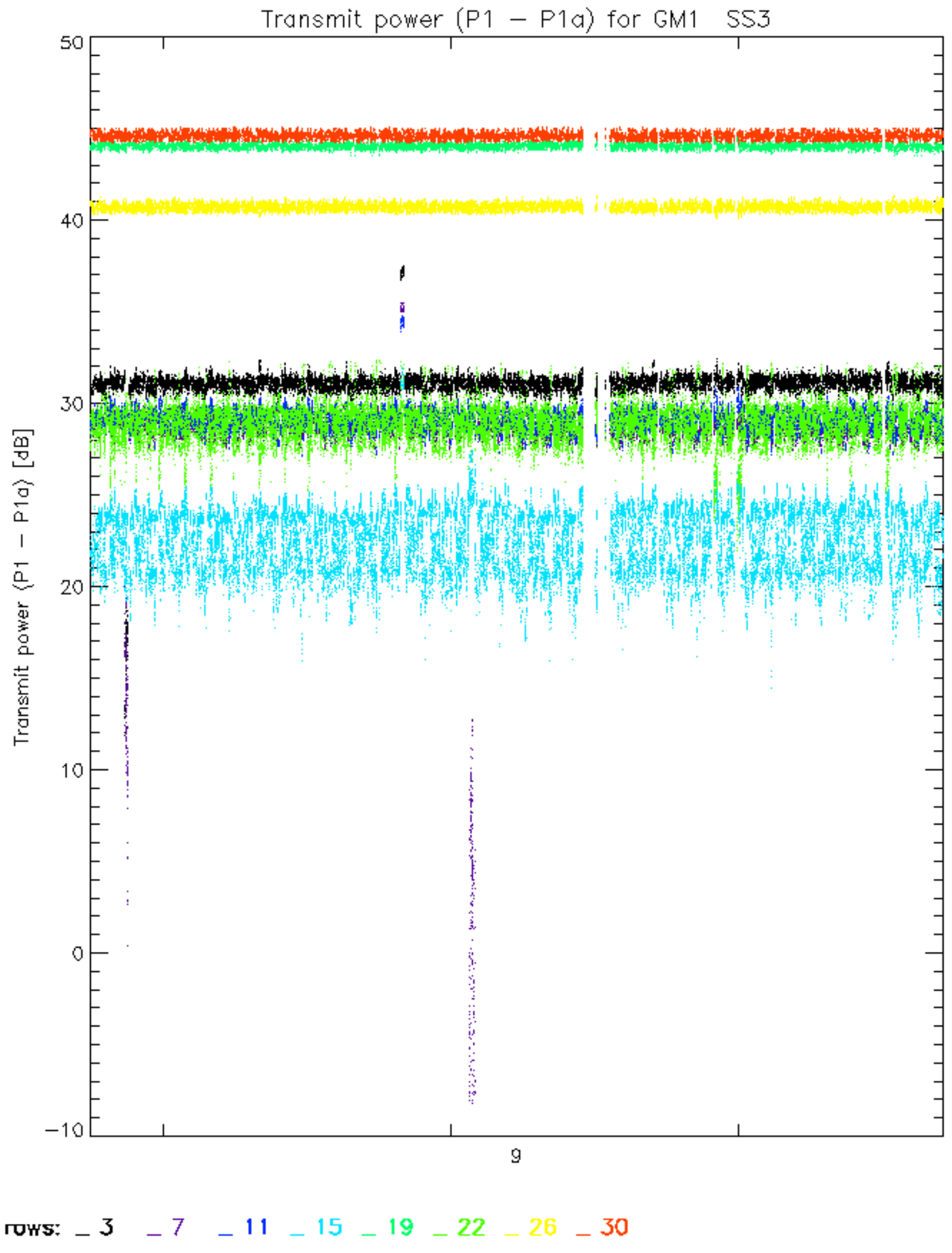
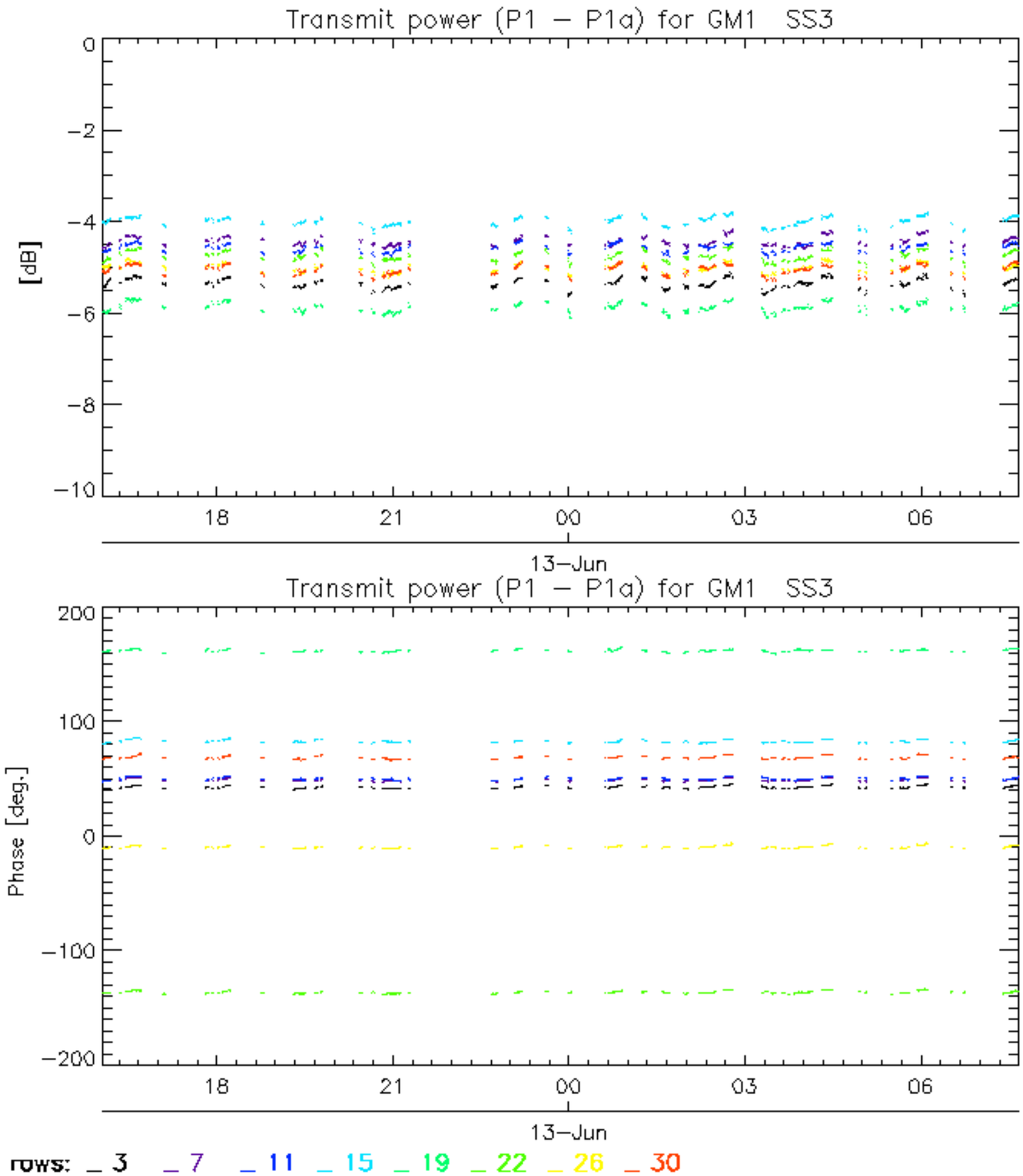
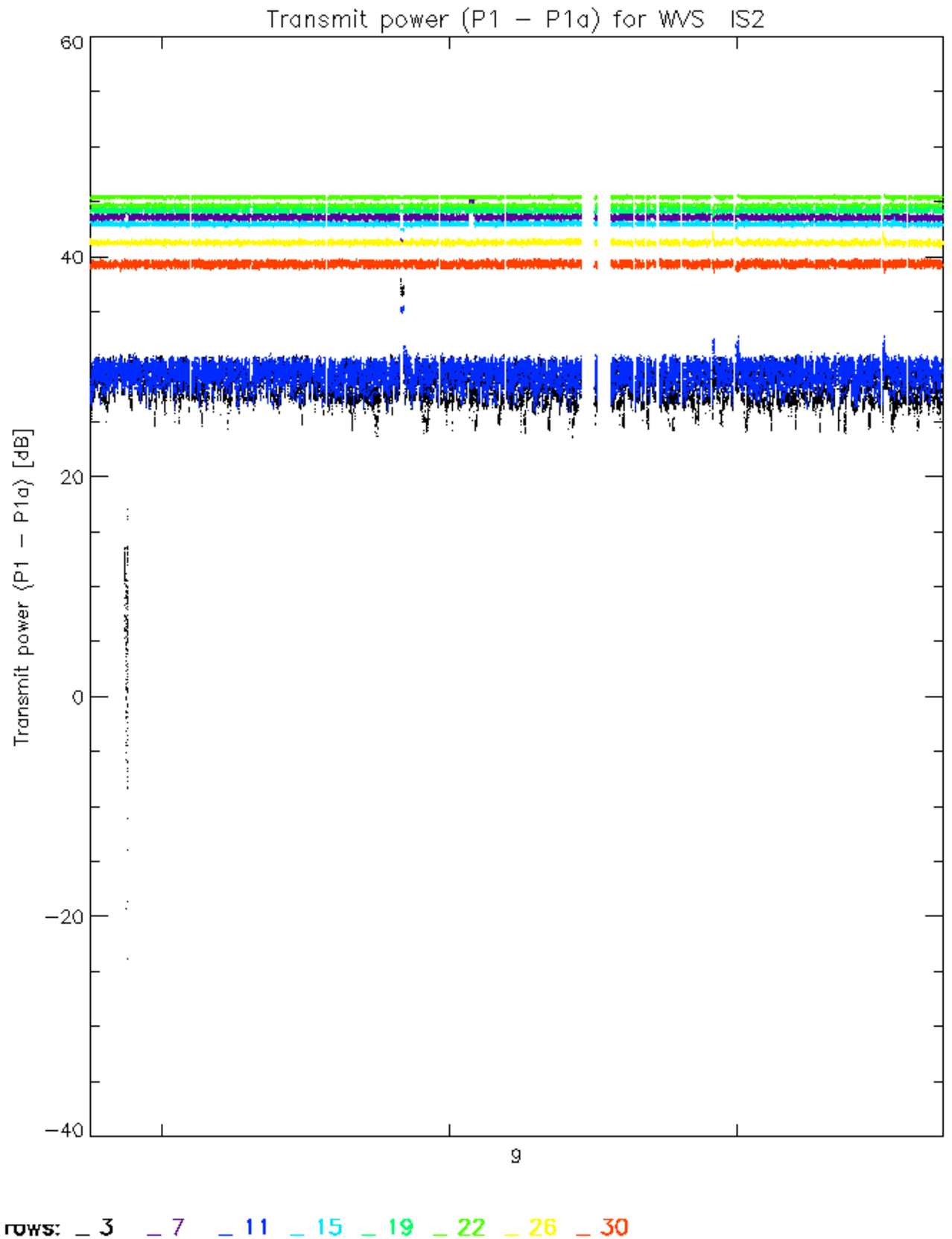
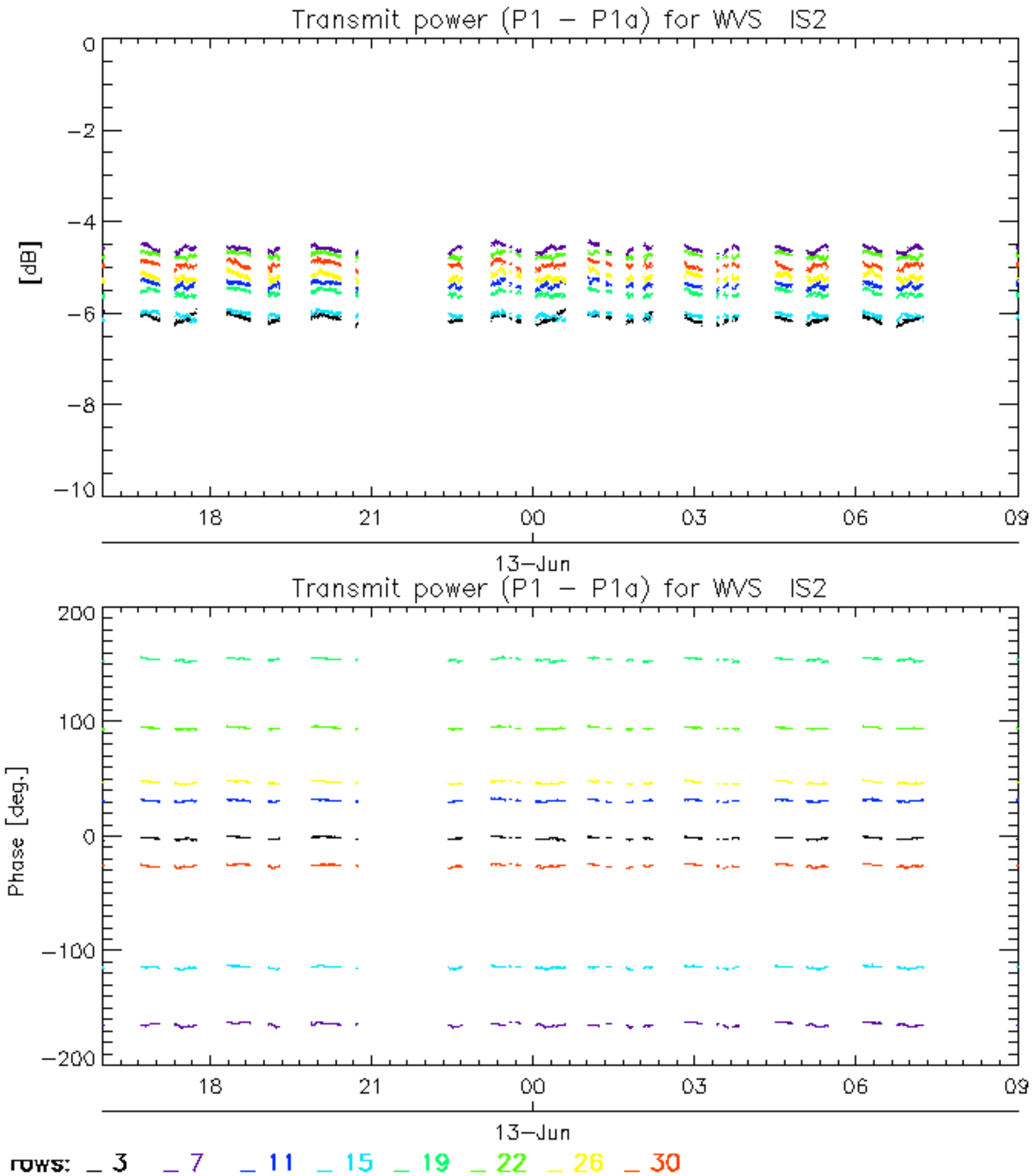
32


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


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
13–Jun
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
13–Jun
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
9
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
09
13–Jun
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
13–Jun
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.