PRELIMINARY REPORT OF 060212

last update on Sun Feb 12 16:42:13 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 2006-02-11 00:00:00 to 2006-02-12 16:42:13

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	45	0	12	0	23
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	45	0	12	0	23
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	45	0	12	0	23
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	0	12	0	23

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	49	49	45	7	40
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	49	49	45	7	40
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	49	49	45	7	40
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	49	49	45	7	40

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	20060212 095339
H	20060211 084440

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
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☒

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	-4.013313	0.008322	0.035363
7	P1	-3.001040	0.012607	-0.003858
11	P1	-4.092258	0.022006	0.020472
15	P1	-6.059160	0.018123	0.000914
19	P1	-3.257643	0.006613	-0.021178
22	P1	-4.473875	0.018269	0.018413
26	P1	-4.196018	0.013162	0.043680
30	P1	-5.771703	0.010453	0.002264
3	P1	-16.909855	0.265299	0.019966
7	P1	-16.646145	0.124415	-0.102345
11	P1	-16.591114	0.300927	0.071510
15	P1	-13.171058	0.110618	0.142245
19	P1	-13.888663	0.070522	-0.028947
22	P1	-15.793468	0.557891	0.218855
26	P1	-15.765584	0.248280	0.028212
30	P1	-16.572161	0.307716	0.065675

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.550089	0.092224	0.164500
7	P2	-22.433901	0.096096	0.084585
11	P2	-16.270679	0.102080	0.080572
15	P2	-7.194407	0.103121	0.041090
19	P2	-9.158453	0.096896	0.028548
22	P2	-17.940763	0.093847	-0.007449
26	P2	-16.213188	0.100685	0.009249
30	P2	-19.640676	0.084619	0.012828

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.202729	0.007350	0.021881
7	P3	-8.202729	0.007350	0.021881
11	P3	-8.202729	0.007350	0.021881
15	P3	-8.202729	0.007350	0.021881
19	P3	-8.202729	0.007350	0.021881
22	P3	-8.202729	0.007350	0.021881
26	P3	-8.202729	0.007350	0.021881
30	P3	-8.202729	0.007350	0.021881

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	-3.734146	0.011344	-0.033673
7	P1	-2.742558	0.007586	-0.002788
11	P1	-2.880471	0.013112	-0.067406
15	P1	-3.493621	0.020688	-0.093655
19	P1	-3.380175	0.012007	-0.009276
22	P1	-5.140058	0.021730	-0.060733
26	P1	-5.848330	0.017884	0.032952
30	P1	-5.232769	0.027767	0.044279
3	P1	-11.541717	0.041887	-0.037113
7	P1	-9.920717	0.047836	-0.046566
11	P1	-10.125485	0.055257	-0.166188
15	P1	-10.664535	0.097990	-0.143813
19	P1	-15.457402	0.062152	0.045864
22	P1	-20.451435	1.242715	0.406086
26	P1	-16.637341	0.352298	0.434769
30	P1	-18.212067	0.327138	-0.152551

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.328802	0.038275	0.235067
7	P2	-22.767153	0.070411	0.234199
11	P2	-11.374384	0.025951	0.152430
15	P2	-4.887368	0.028193	0.075898
19	P2	-6.896227	0.025118	0.051593
22	P2	-8.183196	0.025897	0.030011
26	P2	-23.956087	0.025742	0.024491
30	P2	-22.087038	0.018850	0.012366

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.039430	0.002642	0.034182
7	P3	-8.039312	0.002652	0.033940
11	P3	-8.039295	0.002655	0.034112
15	P3	-8.039381	0.002659	0.033756
19	P3	-8.039538	0.002654	0.033790
22	P3	-8.039474	0.002652	0.034155
26	P3	-8.039512	0.002655	0.033623
30	P3	-8.039375	0.002665	0.034296

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	0.000566105
	stdev	1.64317e-07
MEAN Q	mean	0.000526097
	stdev	2.09649e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.140055
	stdev	0.00115142
STDEV Q	mean	0.140417
	stdev	0.00117105

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006021[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20060210_052944_000000042045_00048_20643_2658.N1	0	248
ASA_IMM_1PNPDE20060210_054350_000000352045_00048_20643_2602.N1	1	0
ASA_IMM_1PNPDE20060211_005021_000002372045_00059_20654_2678.N1	1	0
ASA_WVS_1PNPDE20060210_040752_000000002045_00047_20642_0876.N1	1	0
ASA_WVS_1PNPDE20060211_065800_000000002045_00063_20658_0912.N1	1	0
ASA_WSM_1PNPDK20060211_123449_000000362045_00066_20661_2941.N1	0	1

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

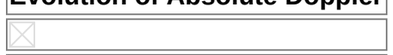
Evolution of unbiased Doppler error (Real - Expected)

Acsending

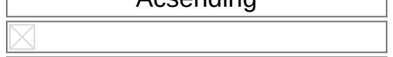
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



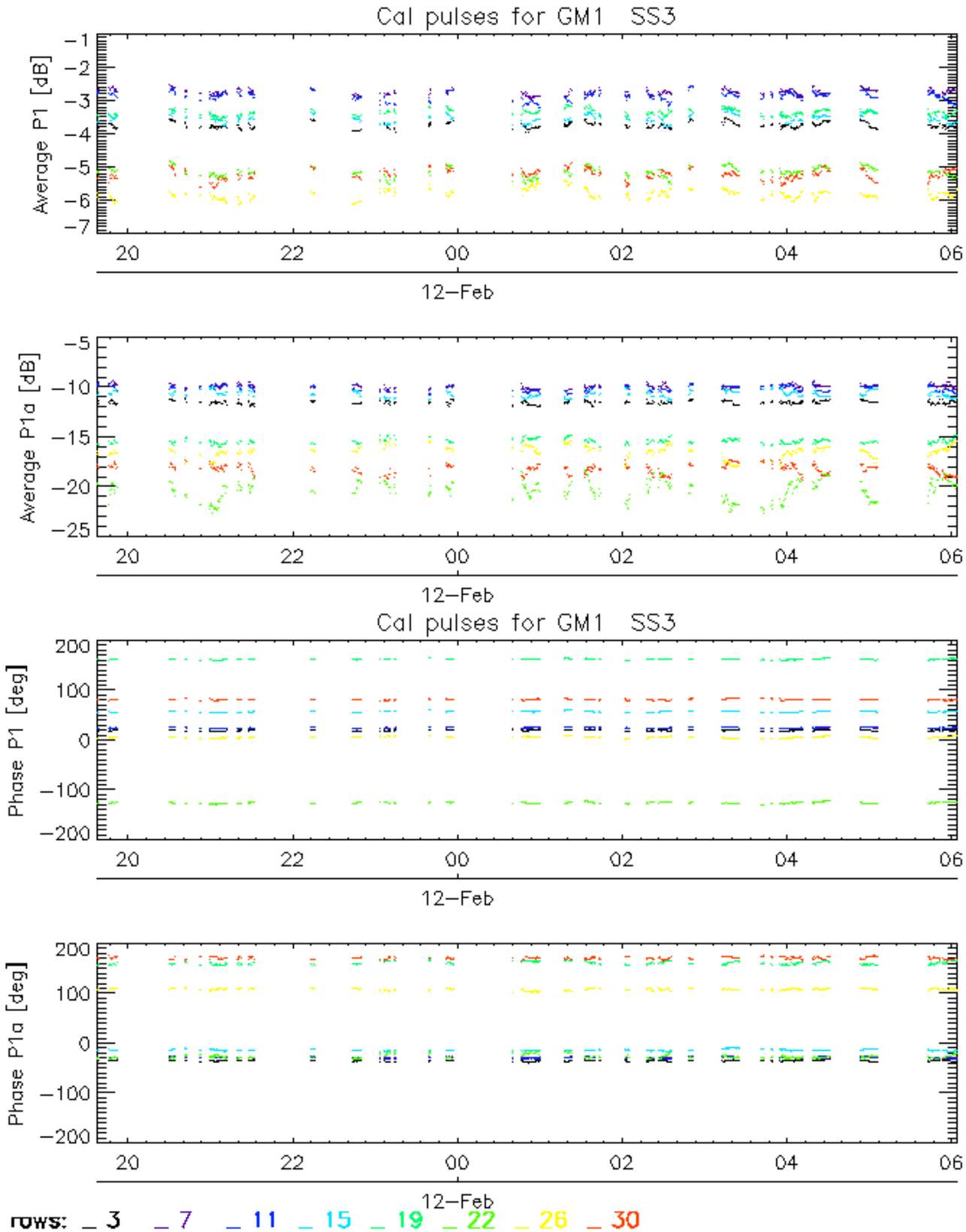
Acsending

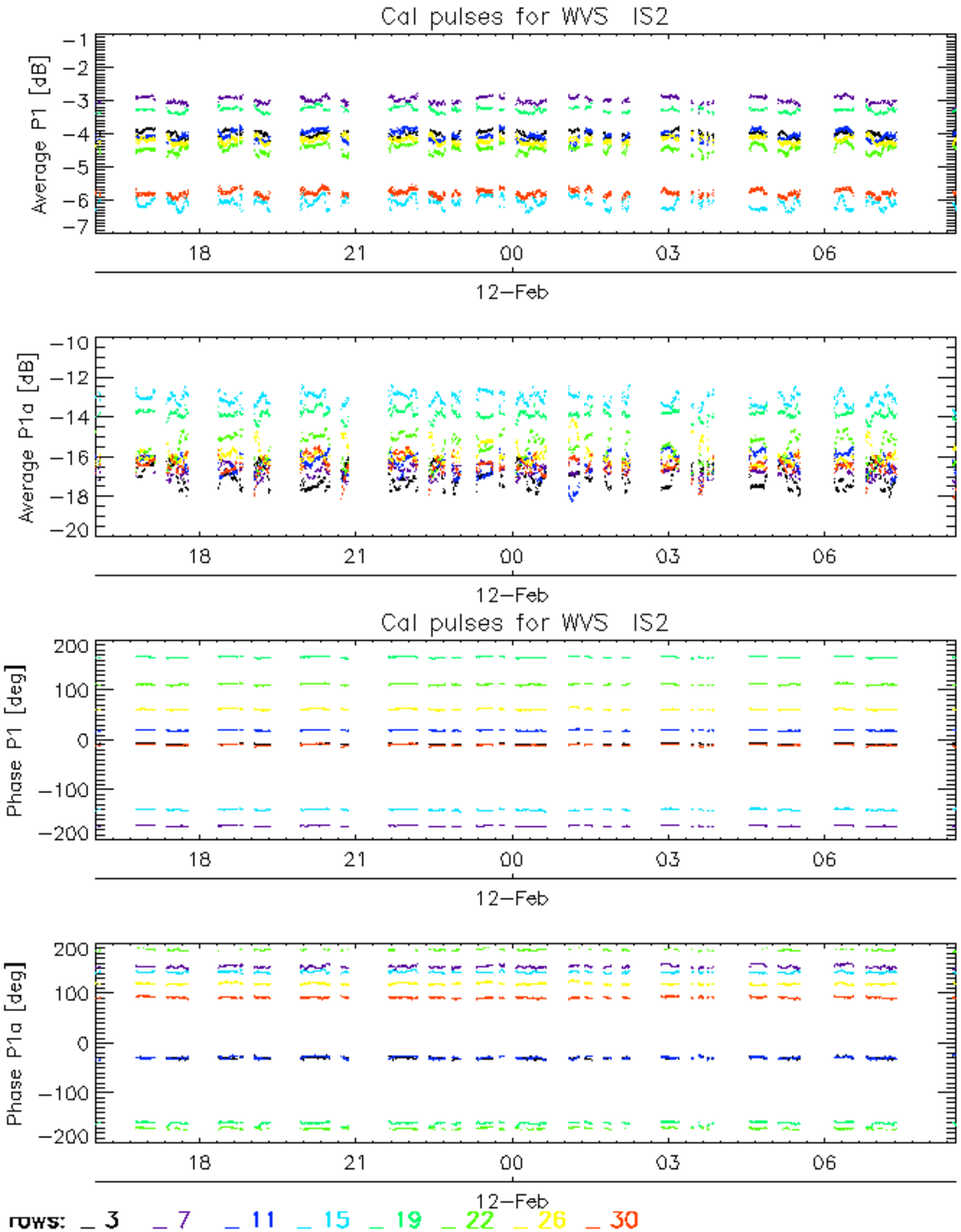


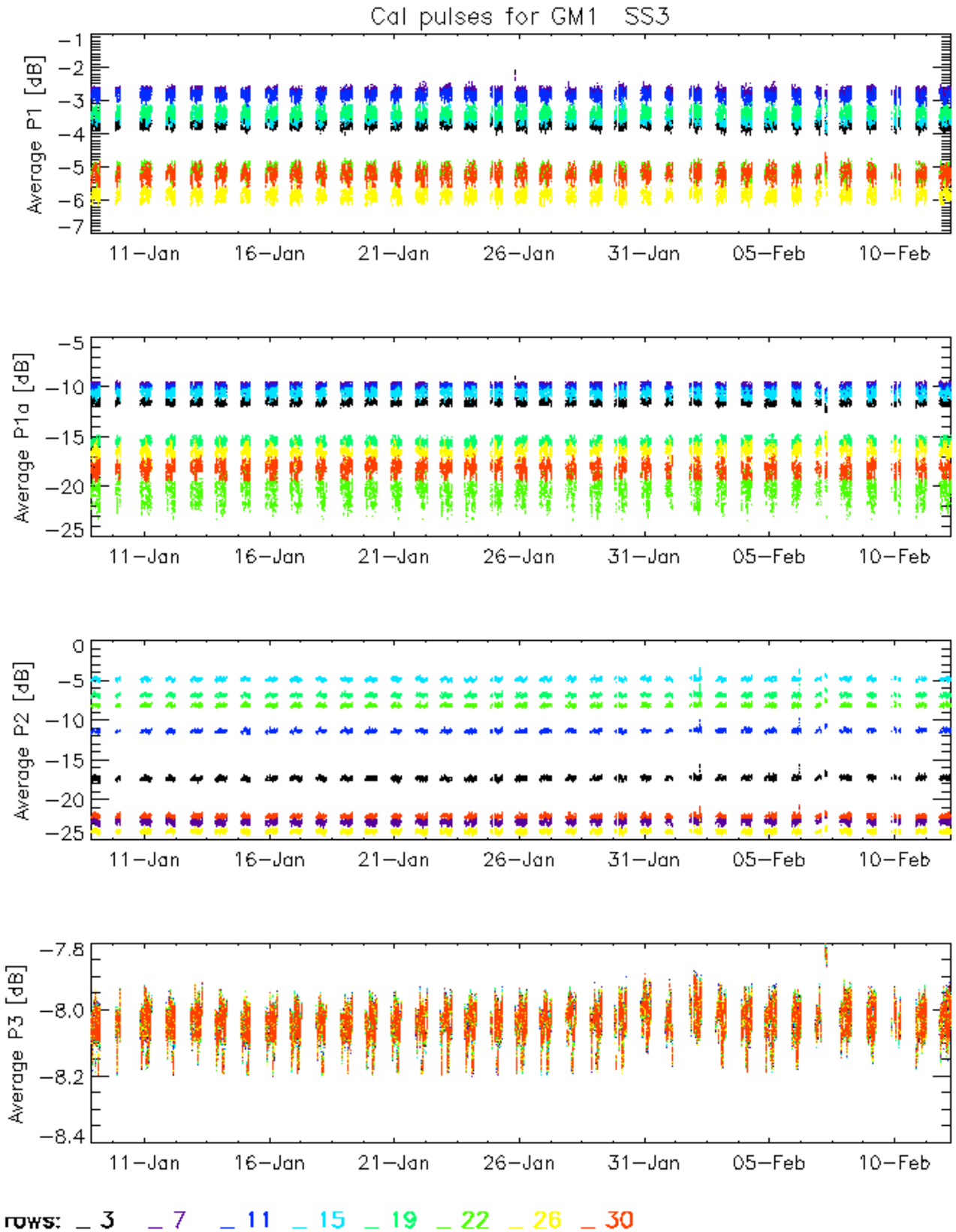
Descending

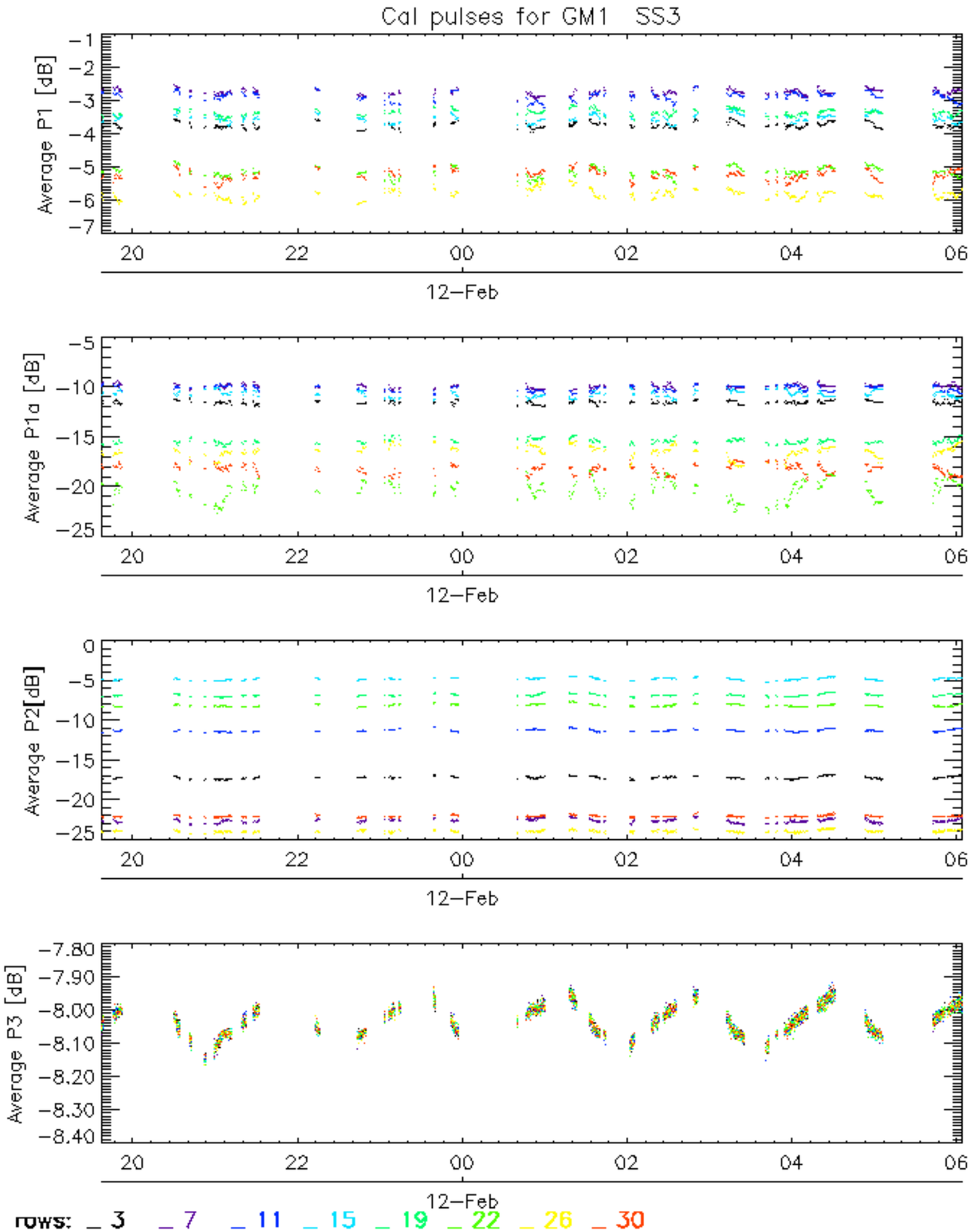
7.6 - Doppler evolution versus ANX for GM1

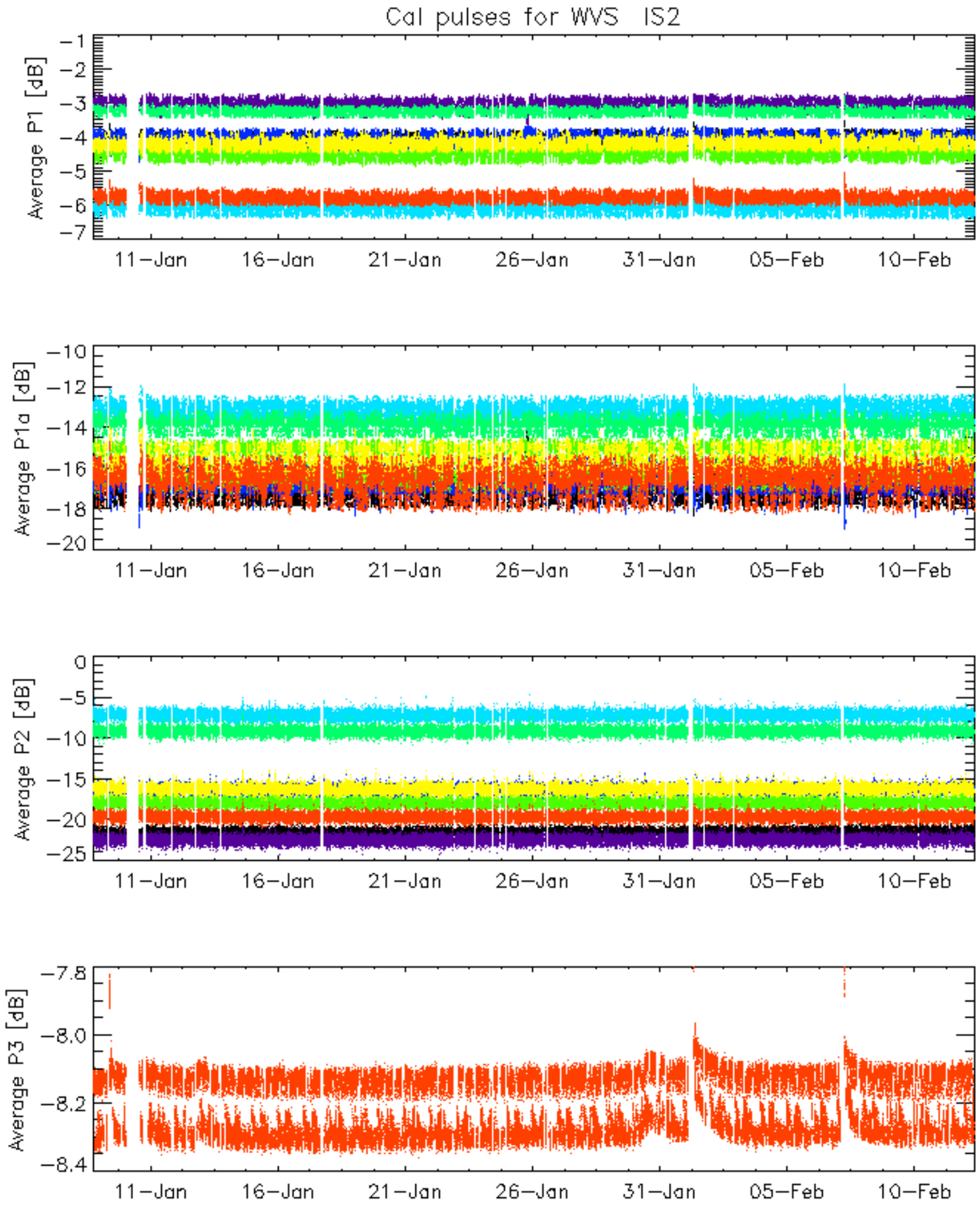
Evolution Doppler error versus ANX

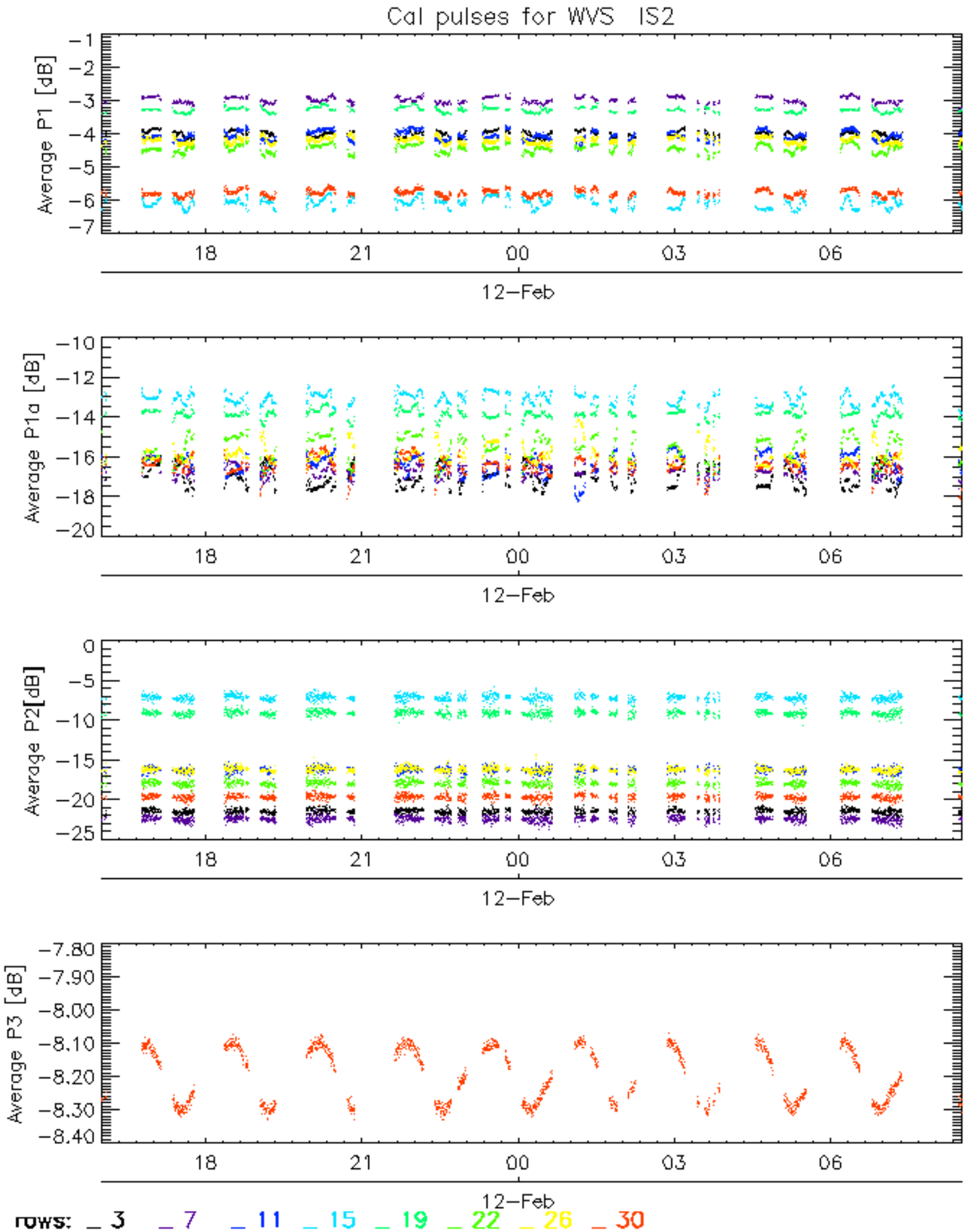

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
20
22
00
02
04
06
12−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
20
22
00
02
04
06
12−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
20
22
00
02
04
06
12−Feb
Phase P1a [deg]
200
100
0
−100
−200
20
22
00
02
04
06
12−Feb
rows: _ 3 _ 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
12−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
12−Feb
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Feb
rows: 3 7 11 15 19 22 26 30

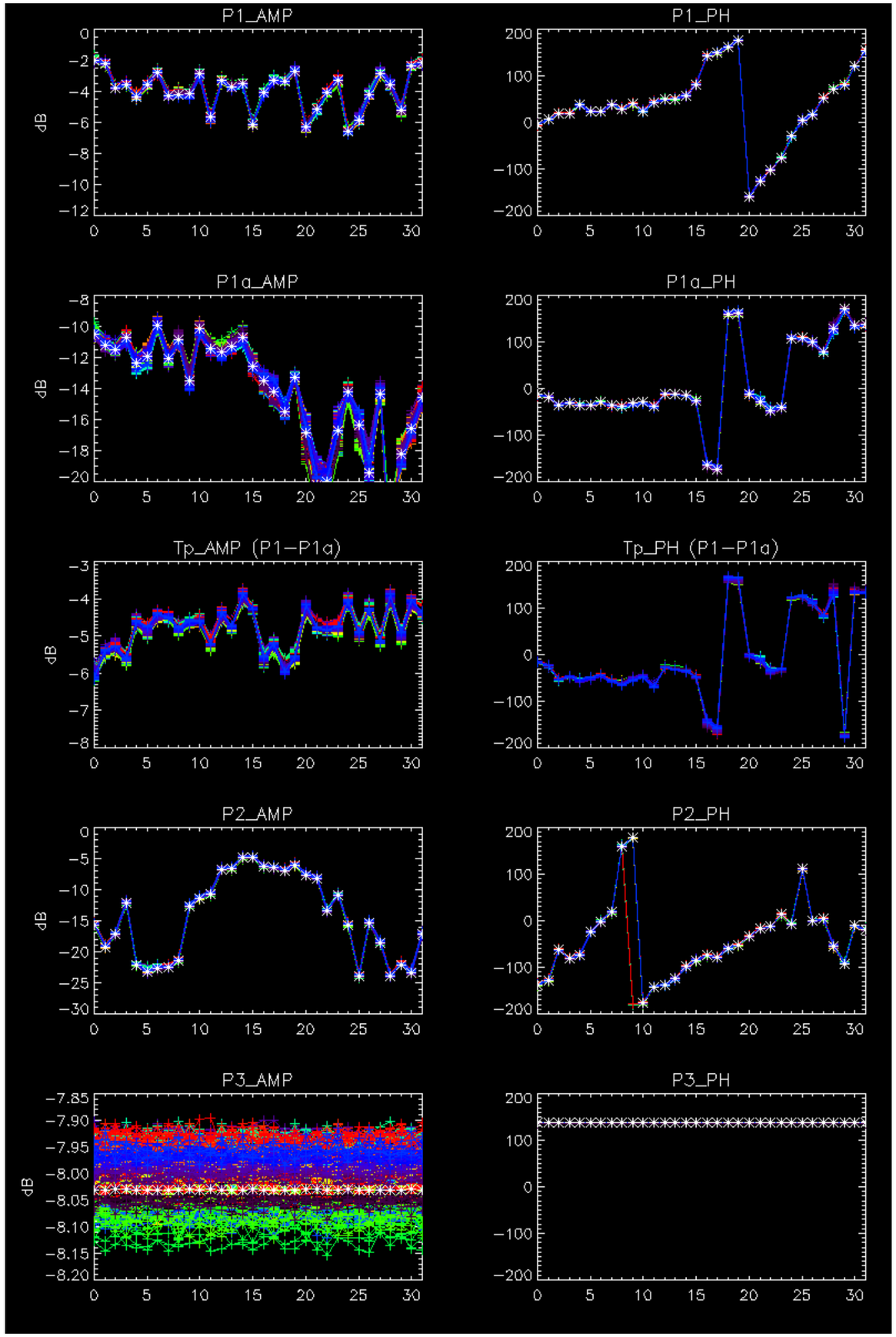

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
11−Jan
16−Jan
21−Jan
26−Jan
31−Jan
05−Feb
10−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

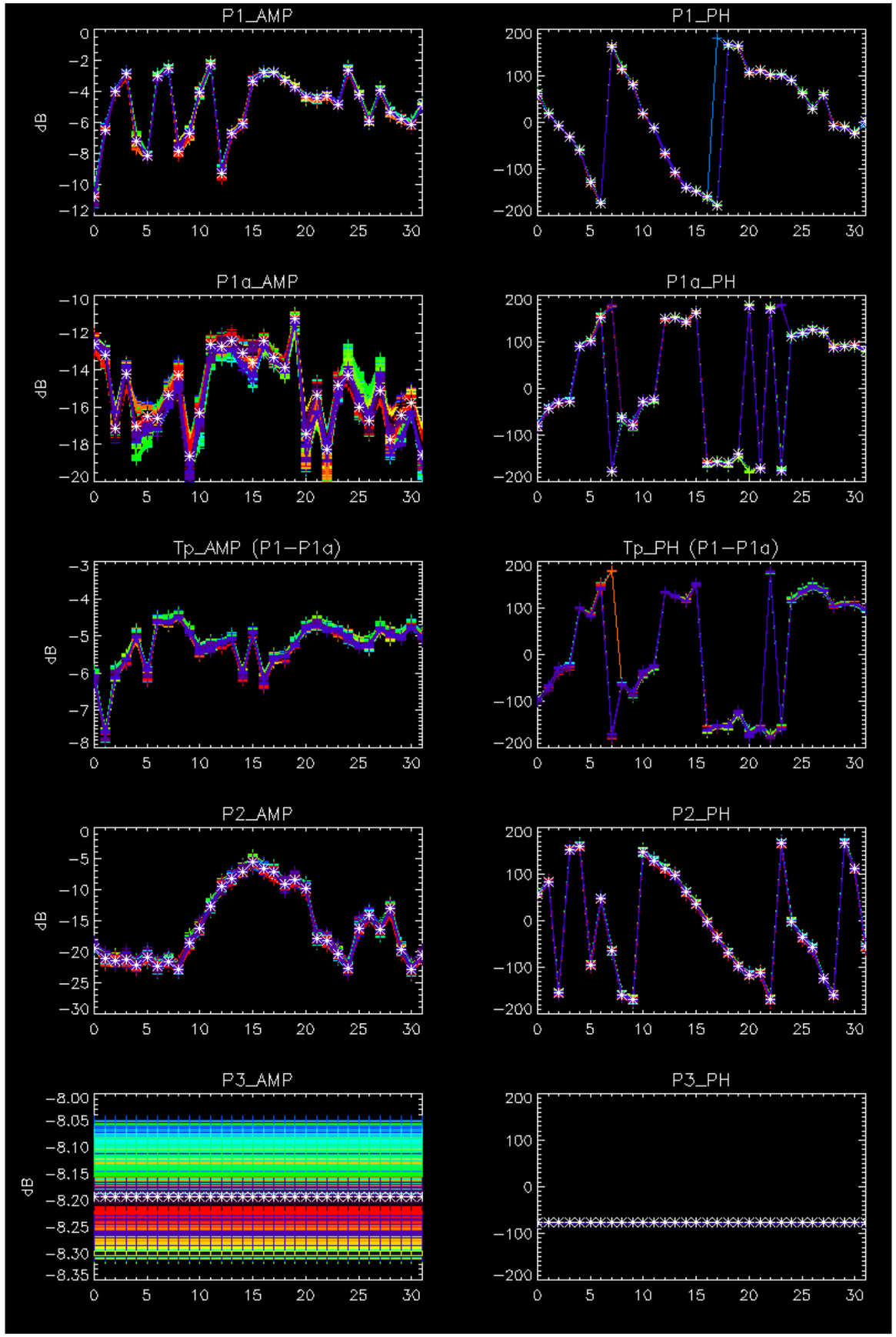

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
20
22
00
02
04
06
12−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
20
22
00
02
04
06
12−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
20
22
00
02
04
06
12−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
20
22
00
02
04
06
12−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

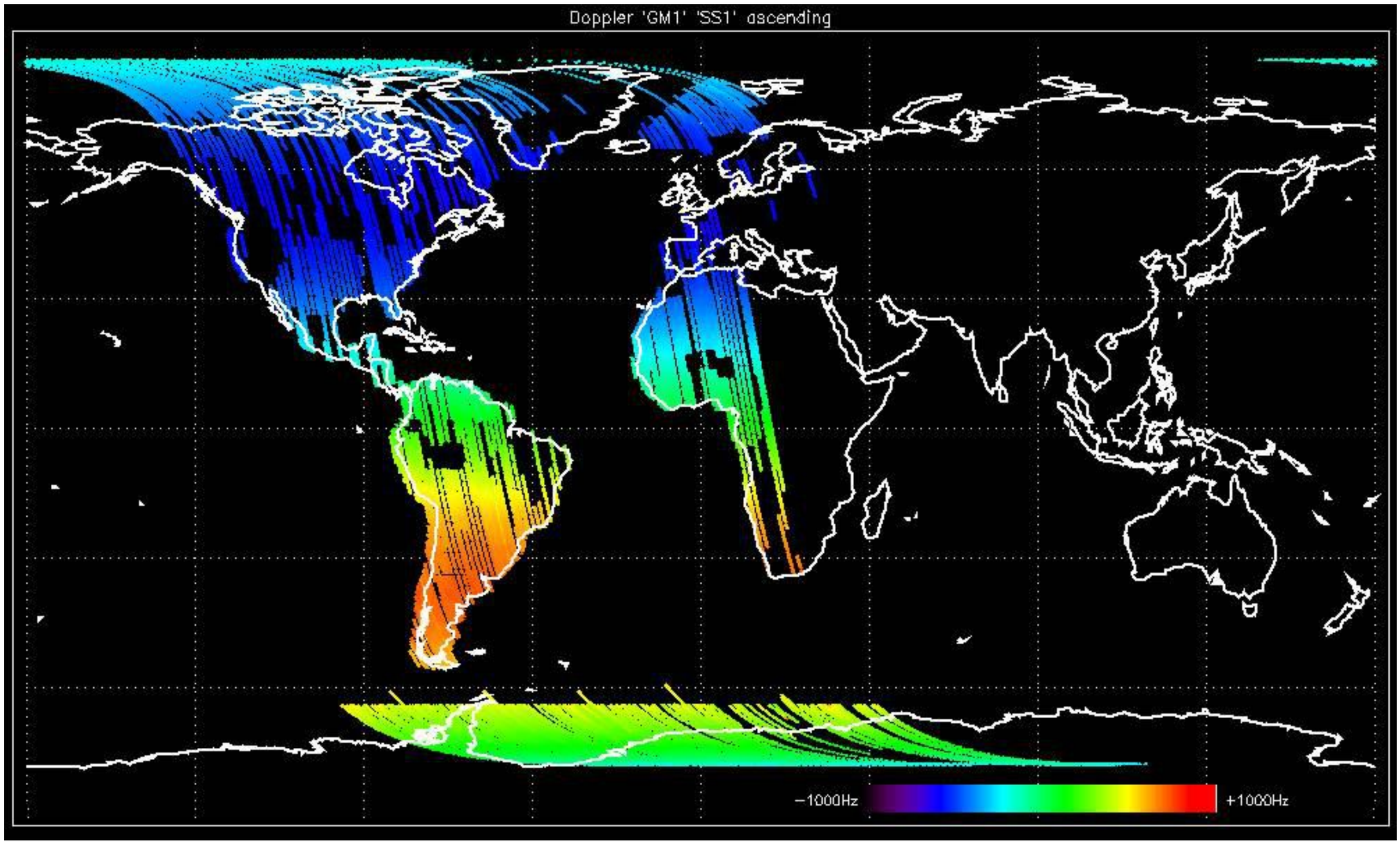
No anomalies observed.

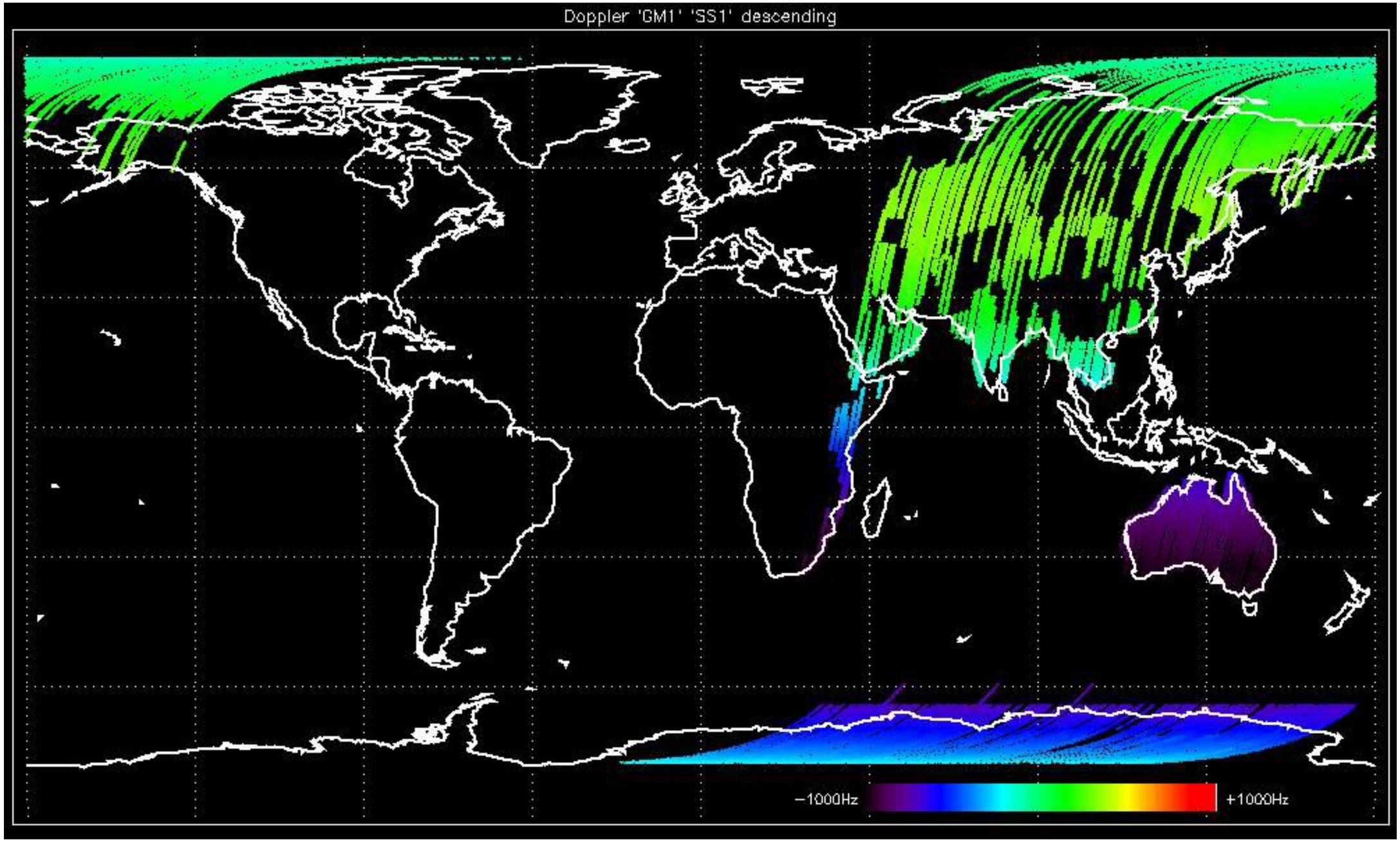

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

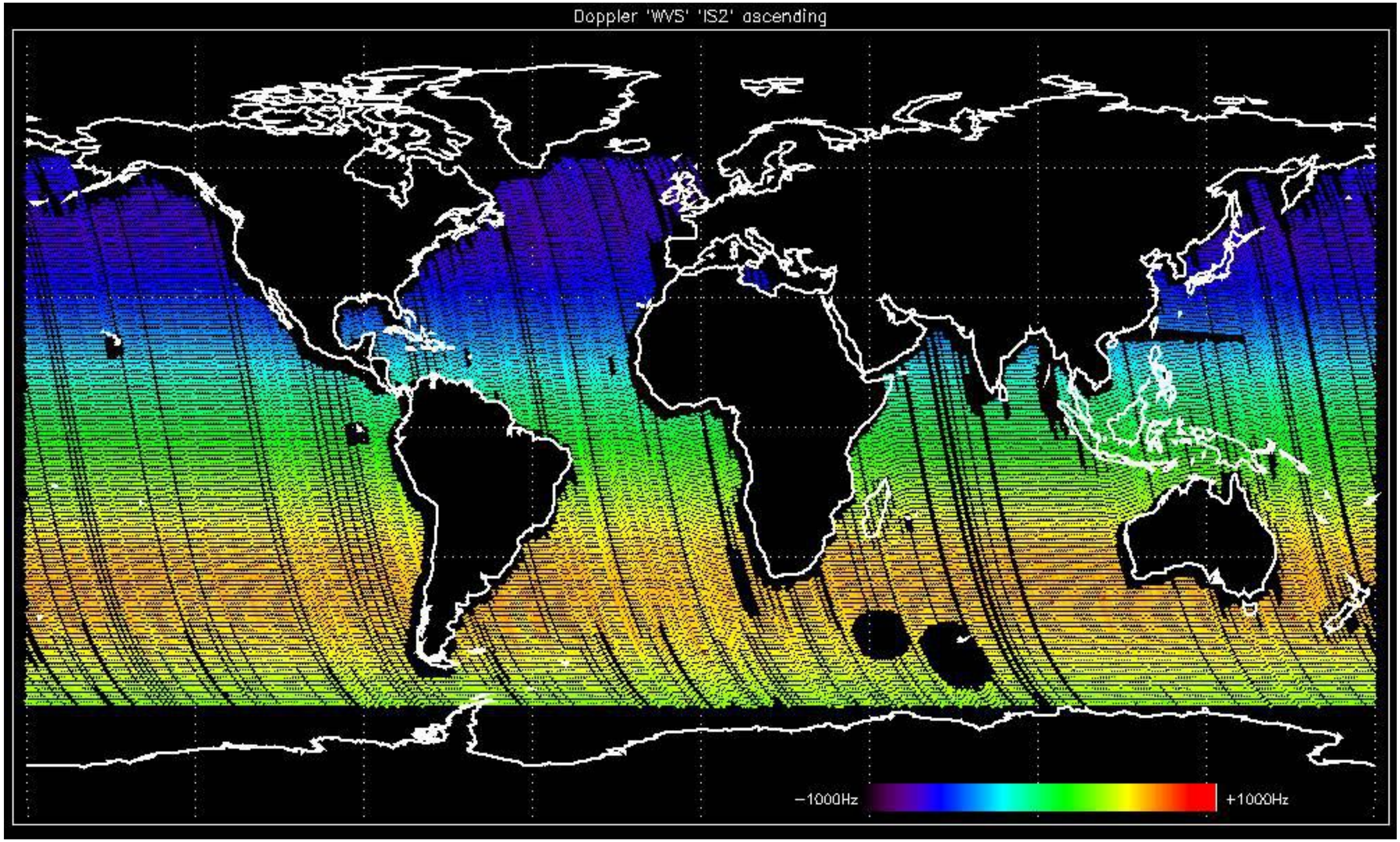

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

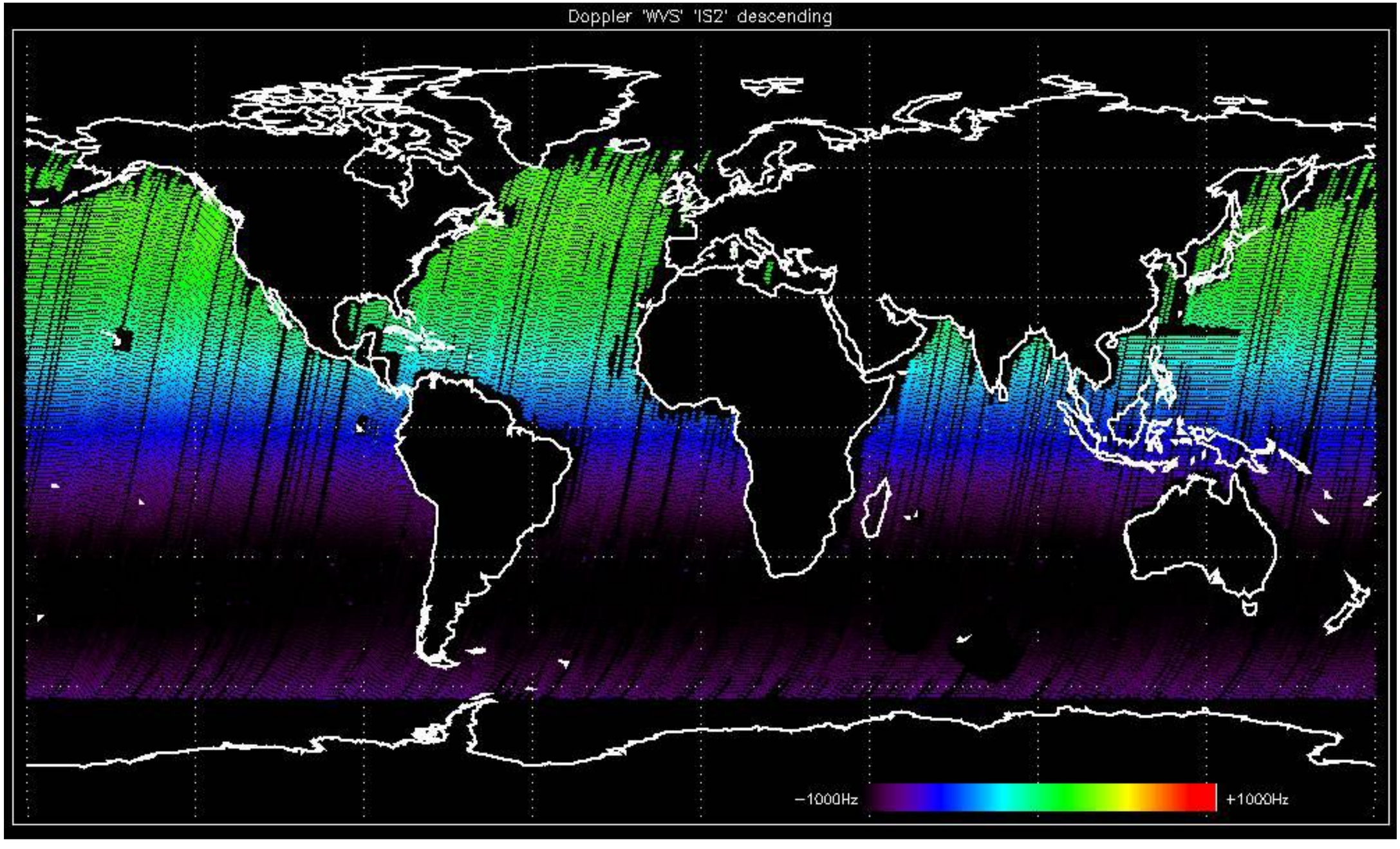
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

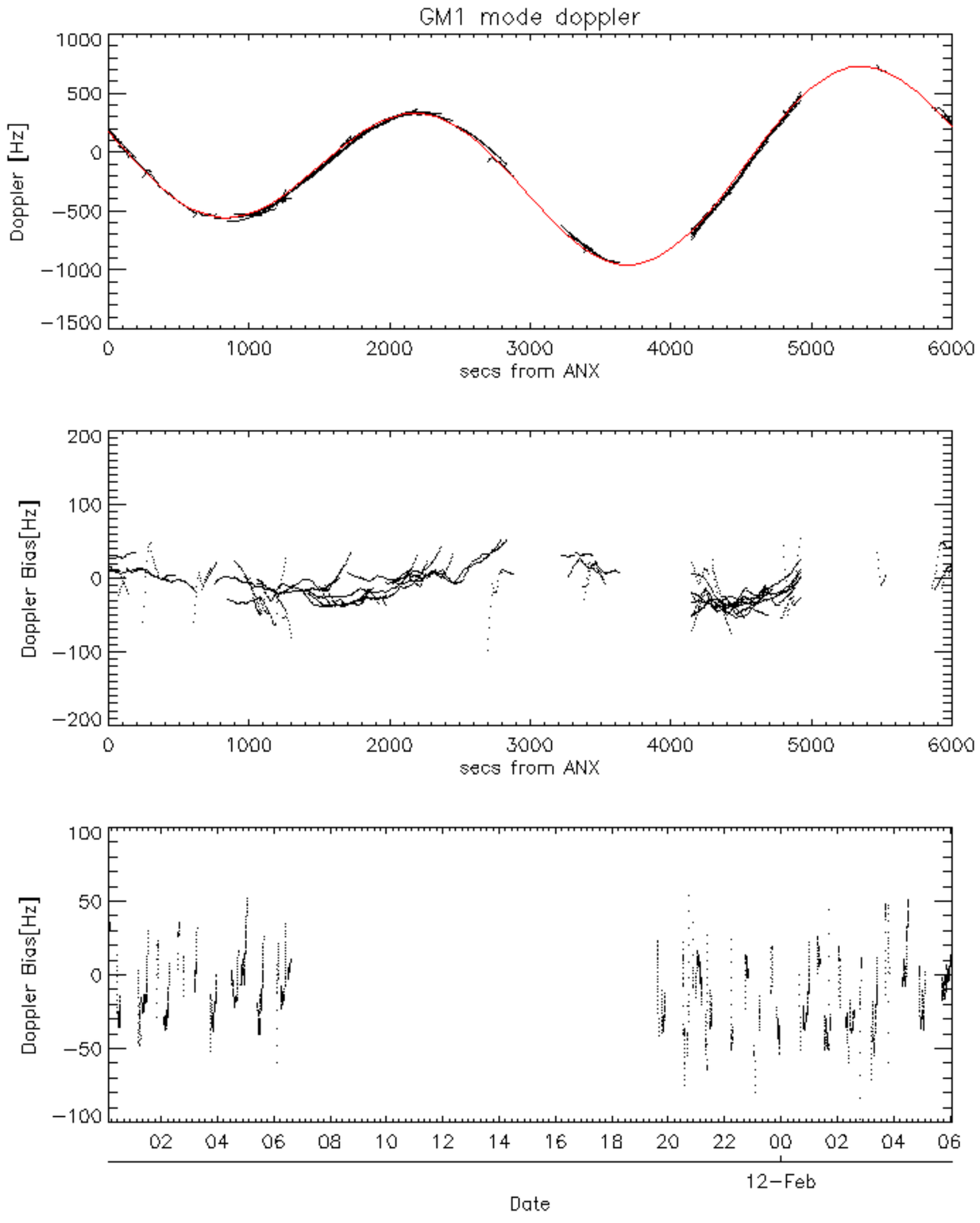
Preliminary report.The data is not yet controled

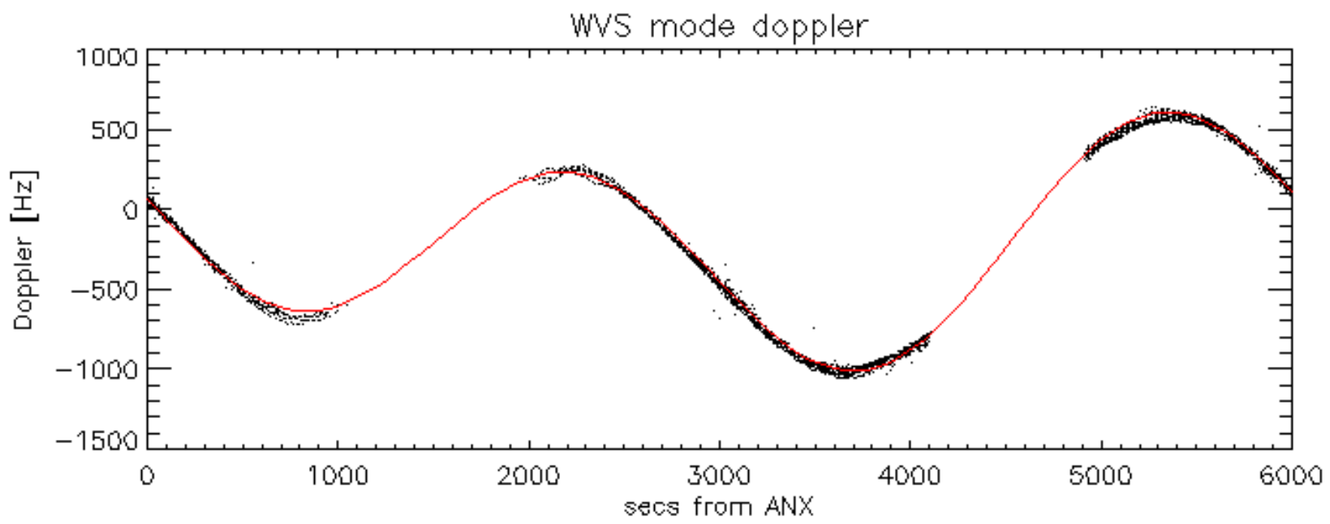

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

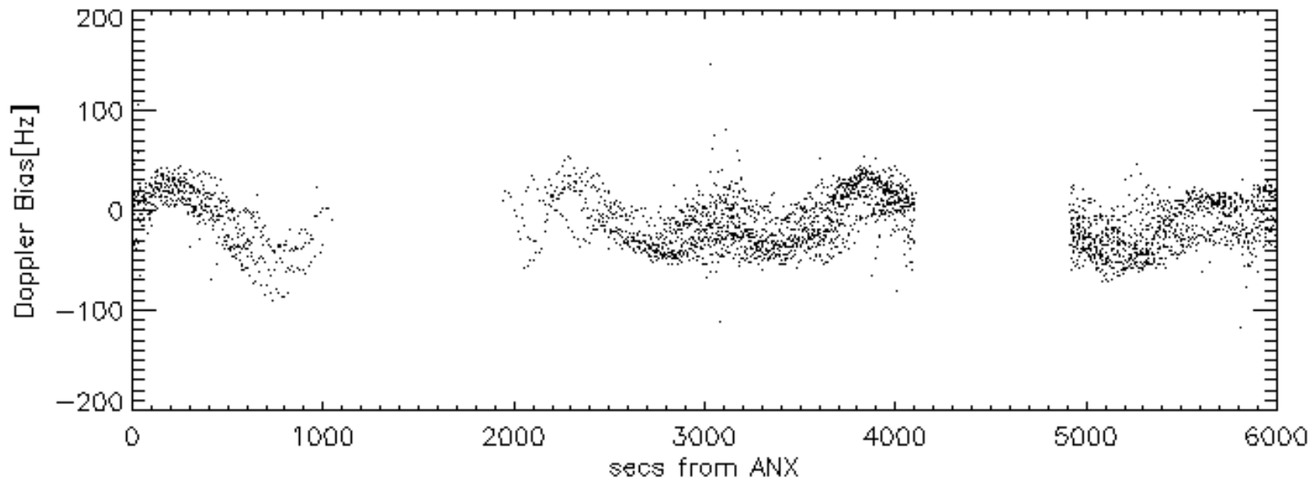

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

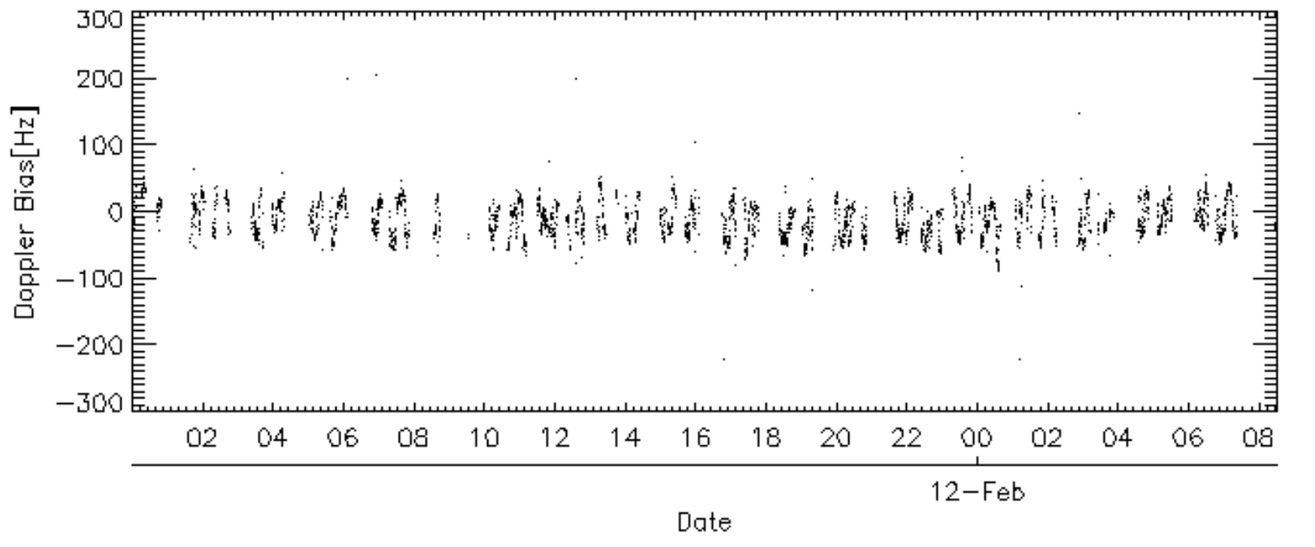

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

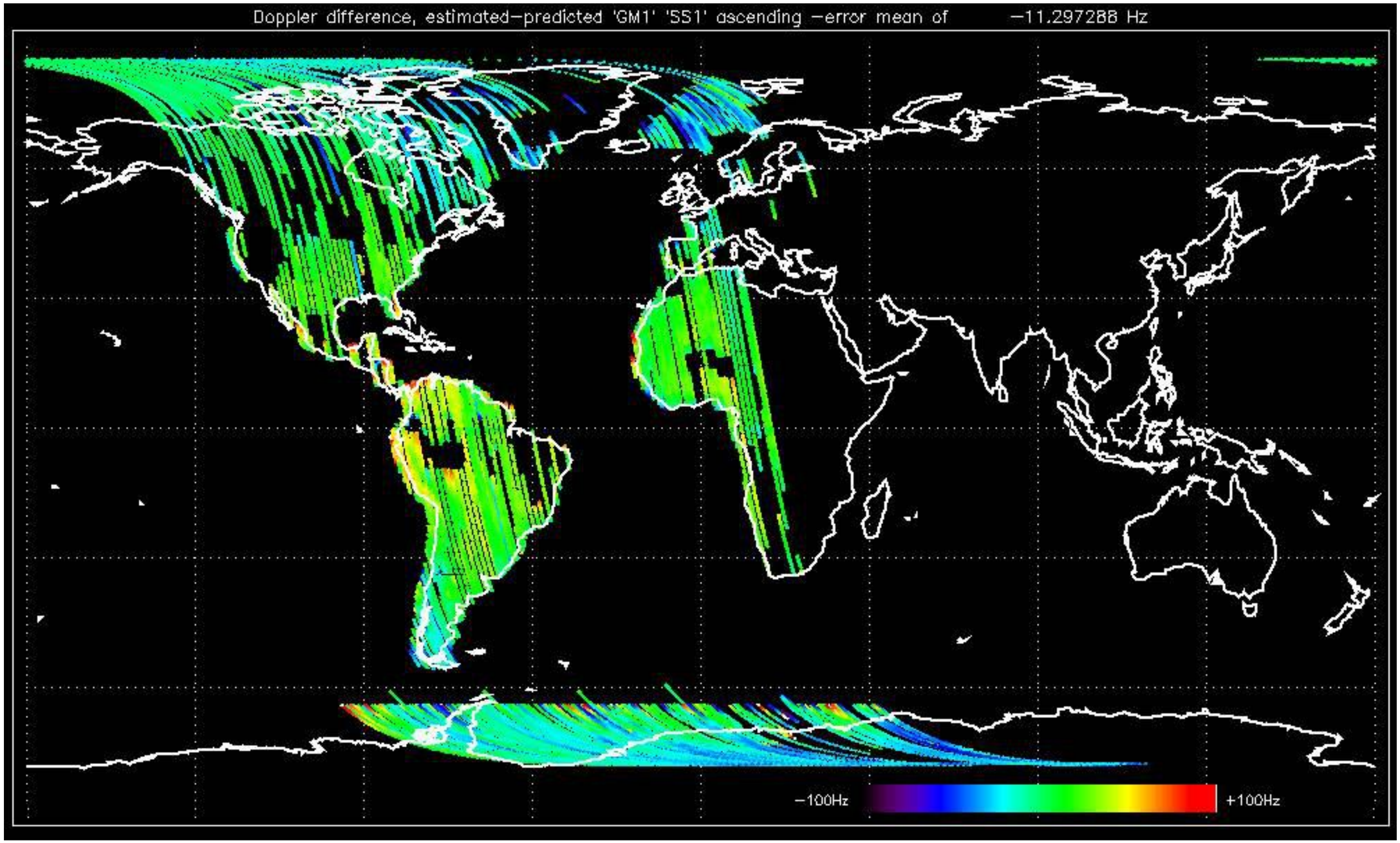

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

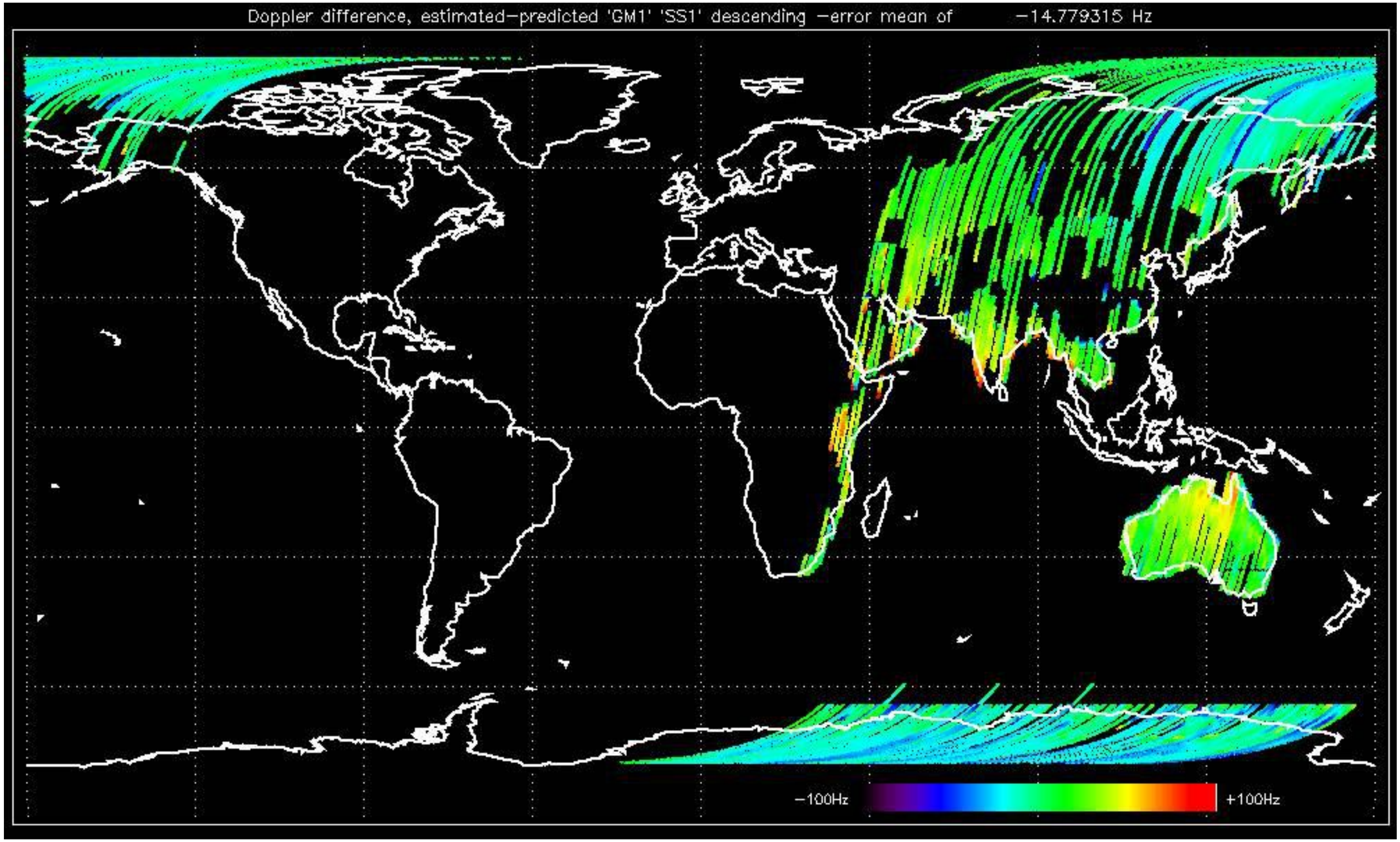

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
12−Feb
Date

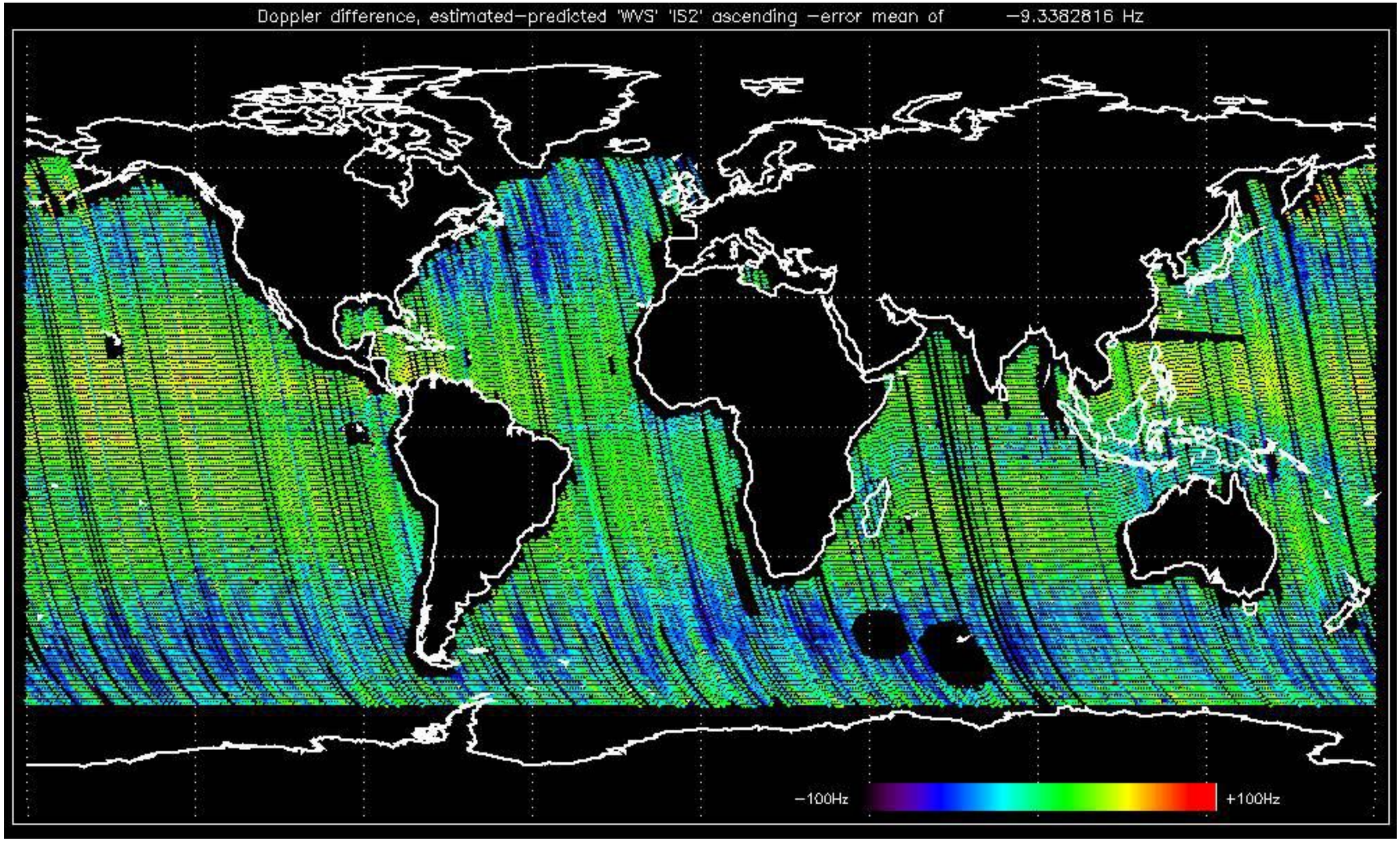

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

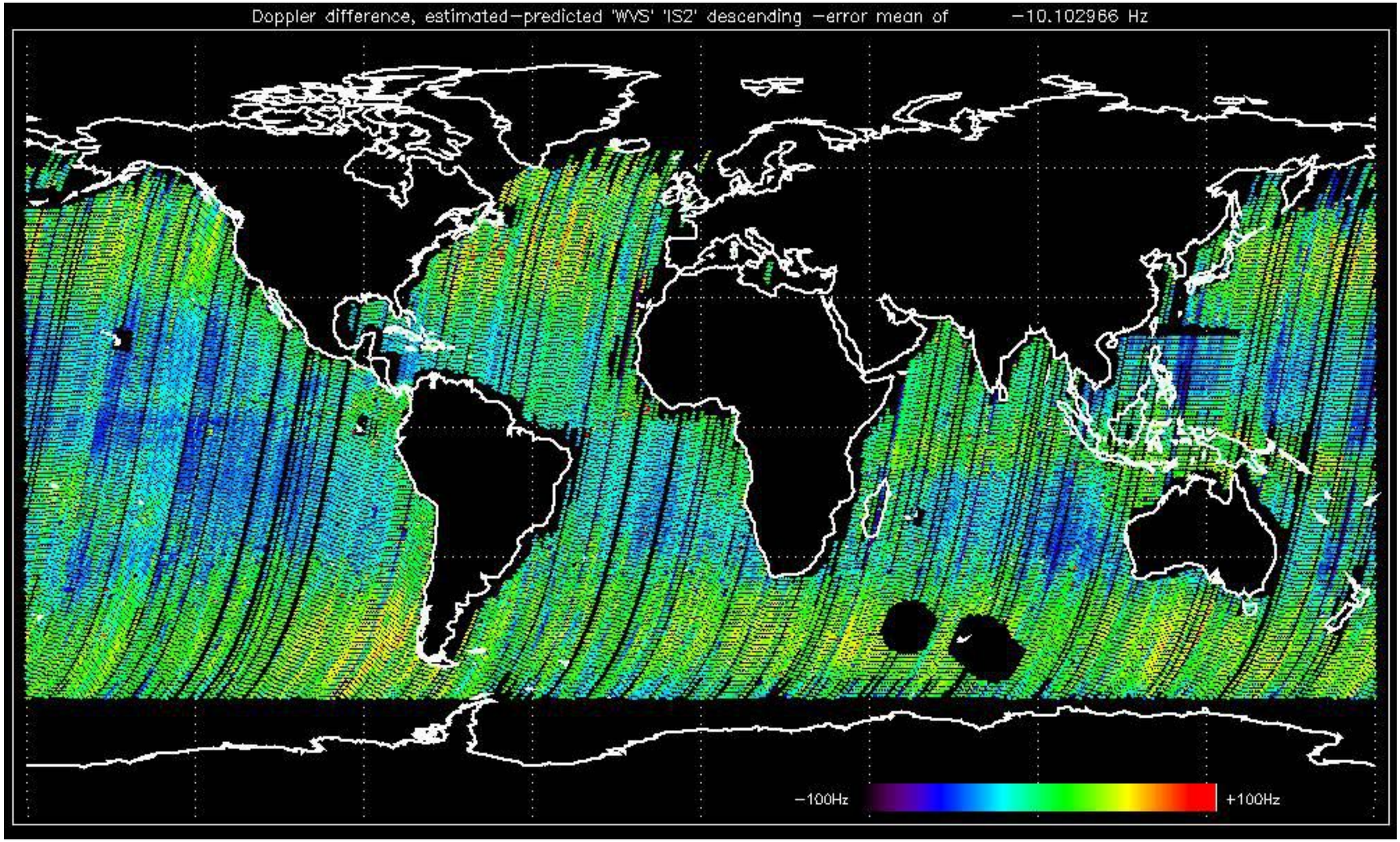

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
08
12−Feb
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −11.297288 Hz
−100Hz
+100Hz

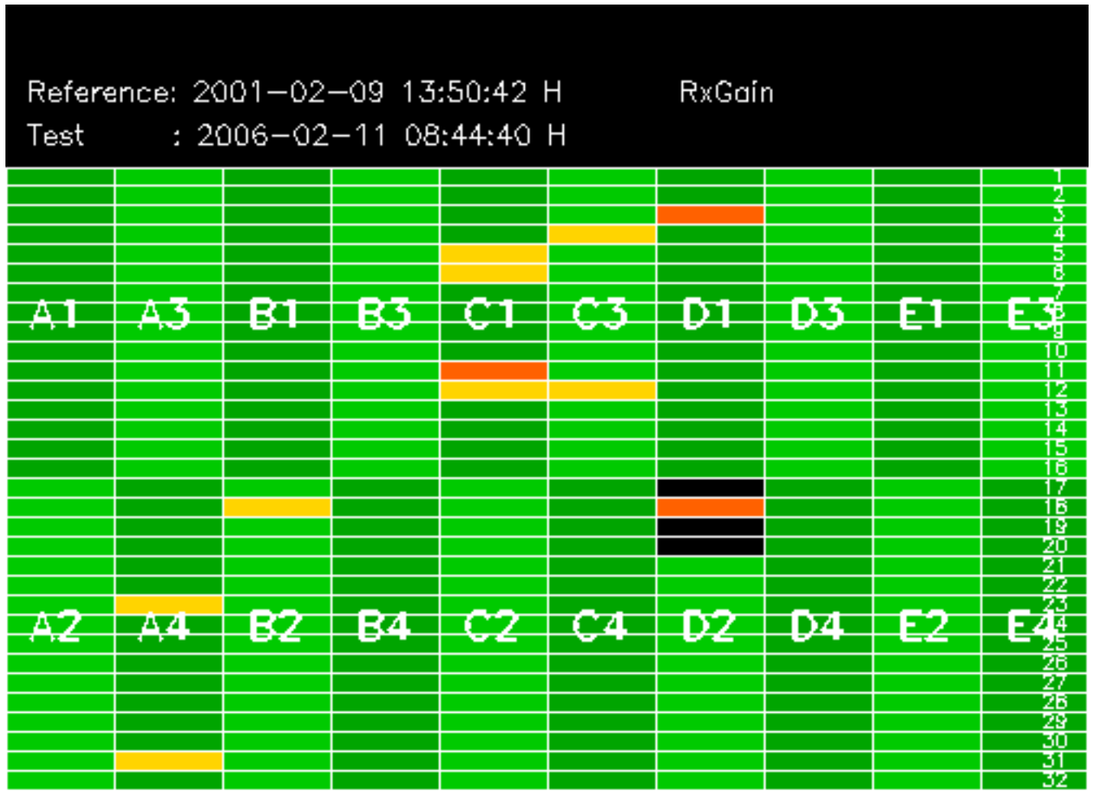

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -14.779315 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −9.3382816 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.102966 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-02-11 08:44:40 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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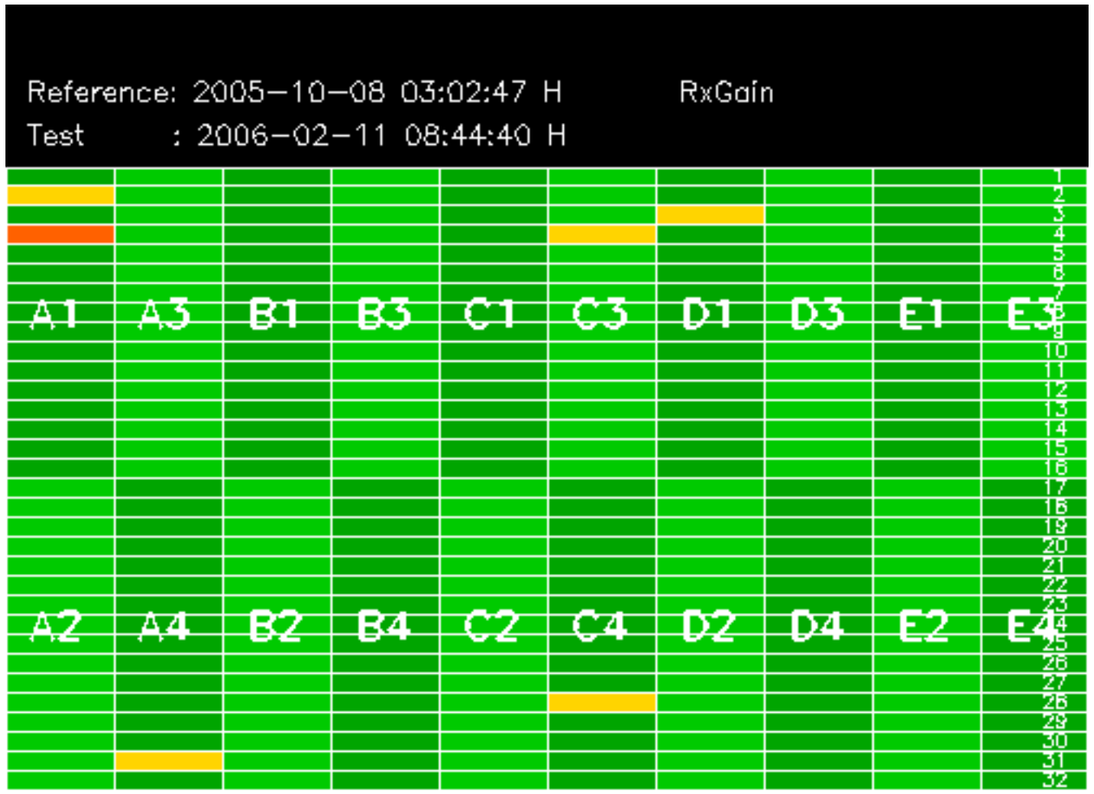
Reference: 2005-10-08 03:02:47 H
Test : 2006-02-11 08:44:40 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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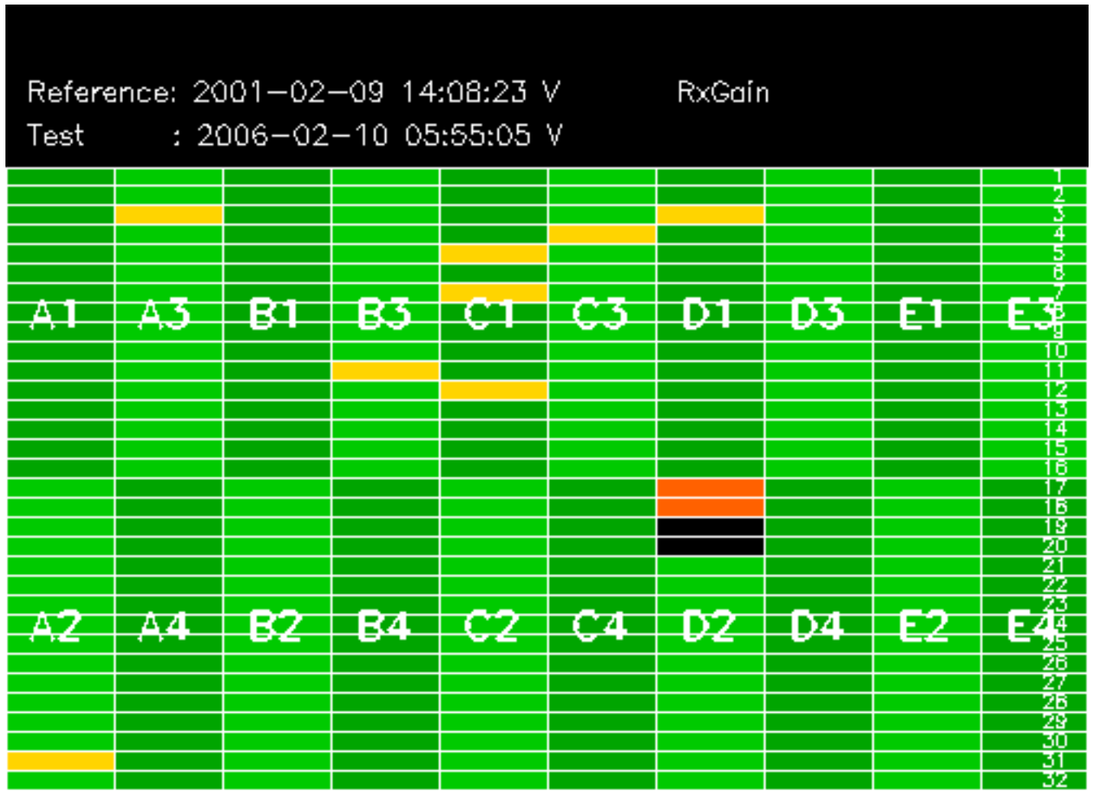
Reference: 2001-02-09 14:08:23 V
Test : 2006-02-10 05:55:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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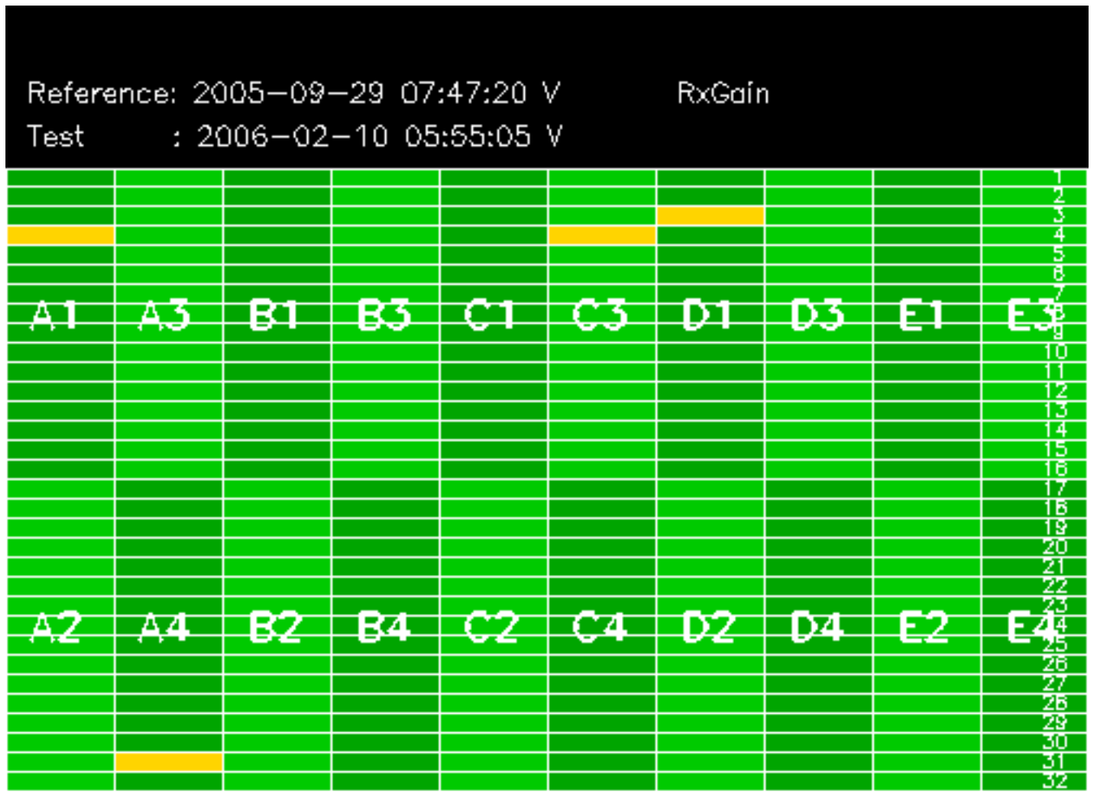
Reference: 2005-09-29 07:47:20 V
Test : 2006-02-10 05:55:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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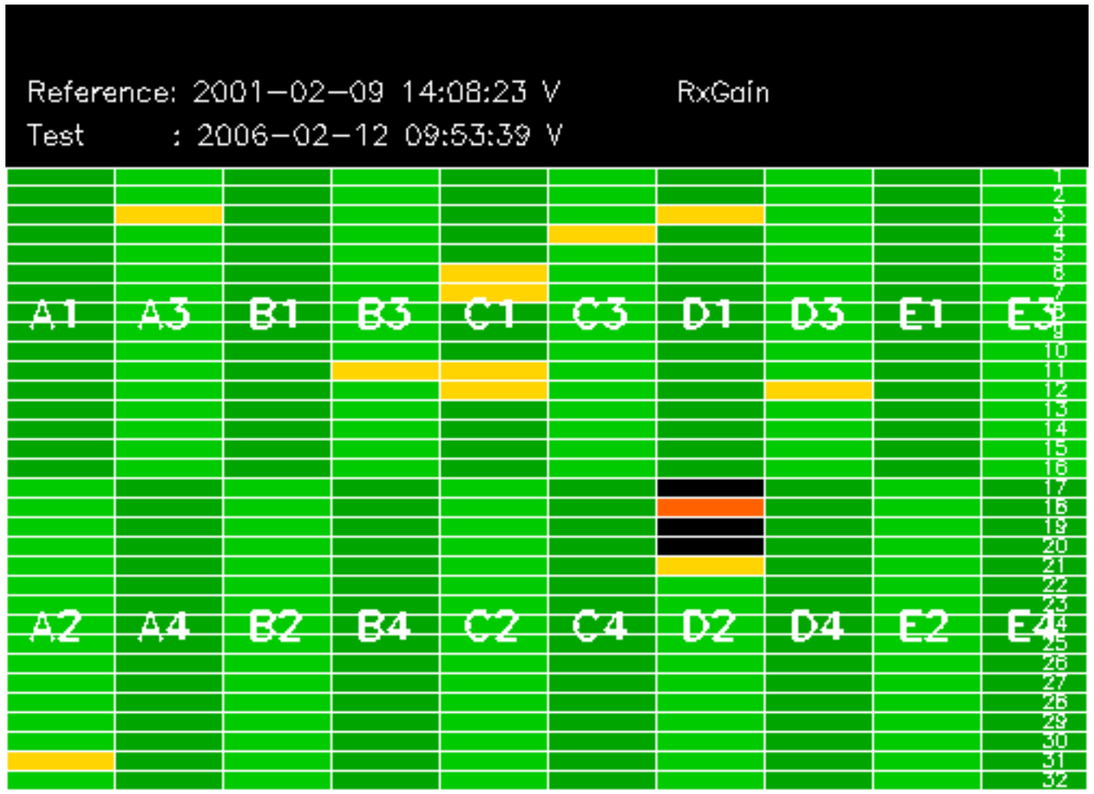
Reference: 2001-02-09 14:08:23 V
Test : 2006-02-12 09:53:39 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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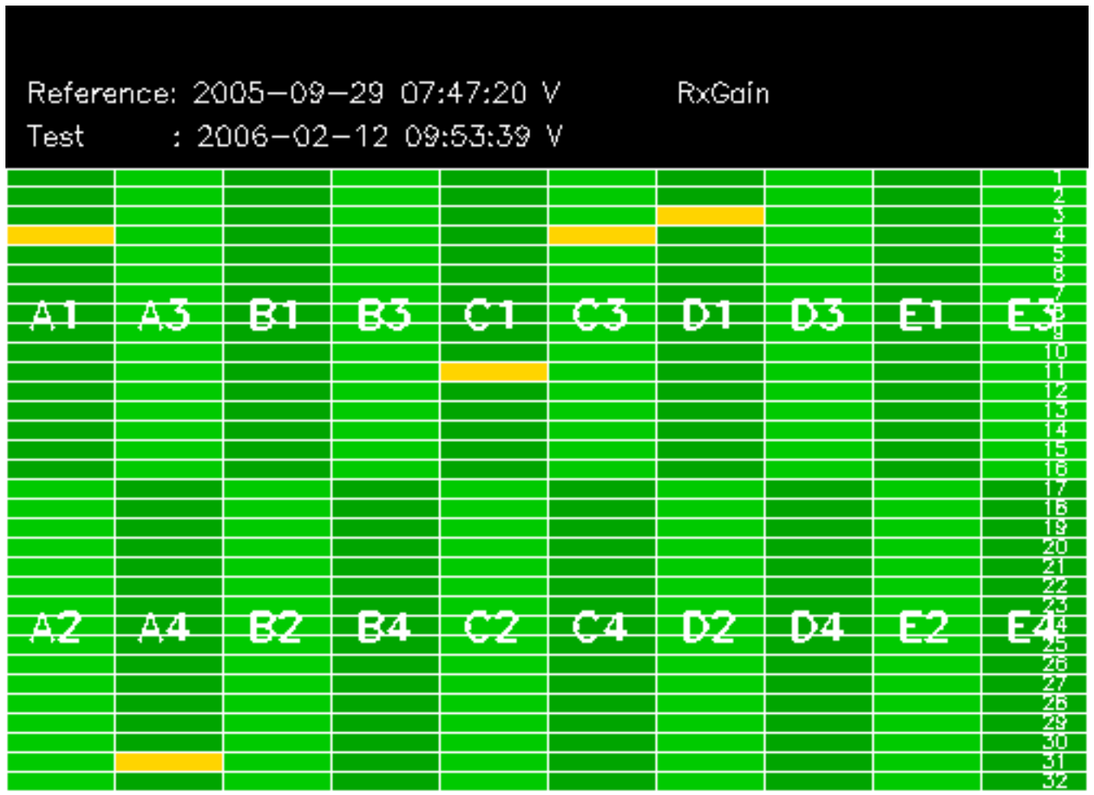
Reference: 2005-09-29 07:47:20 V
Test : 2006-02-12 09:53:39 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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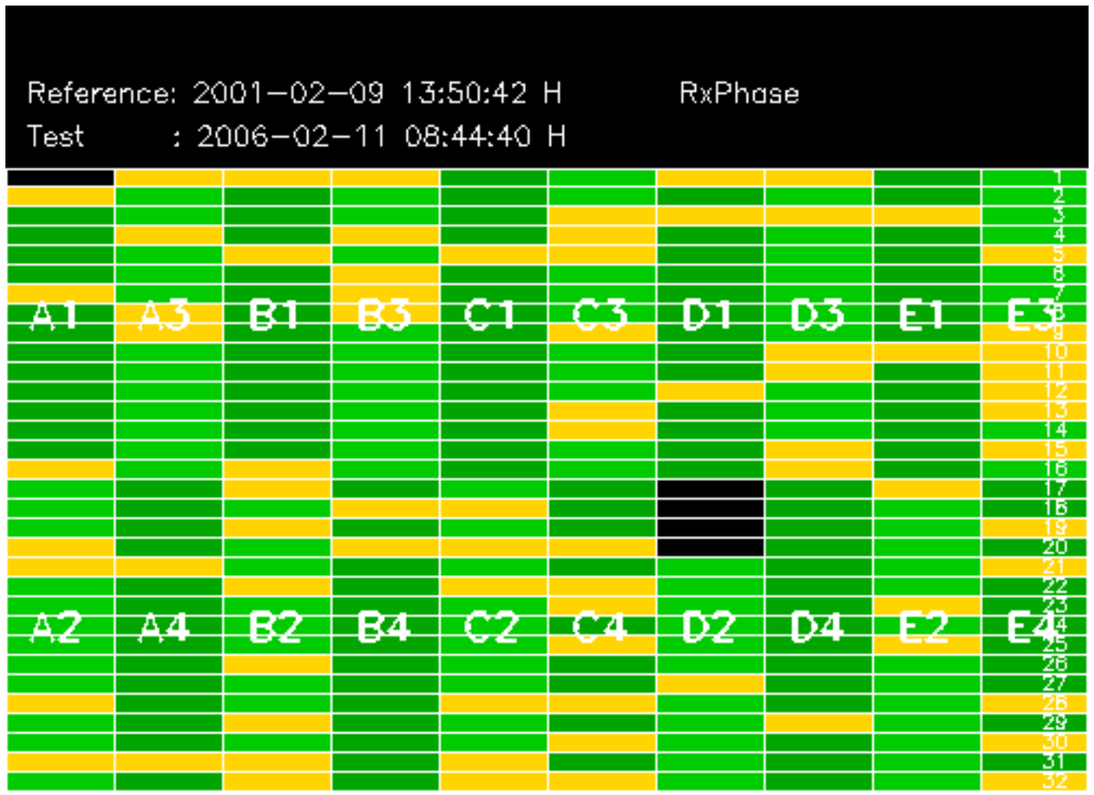
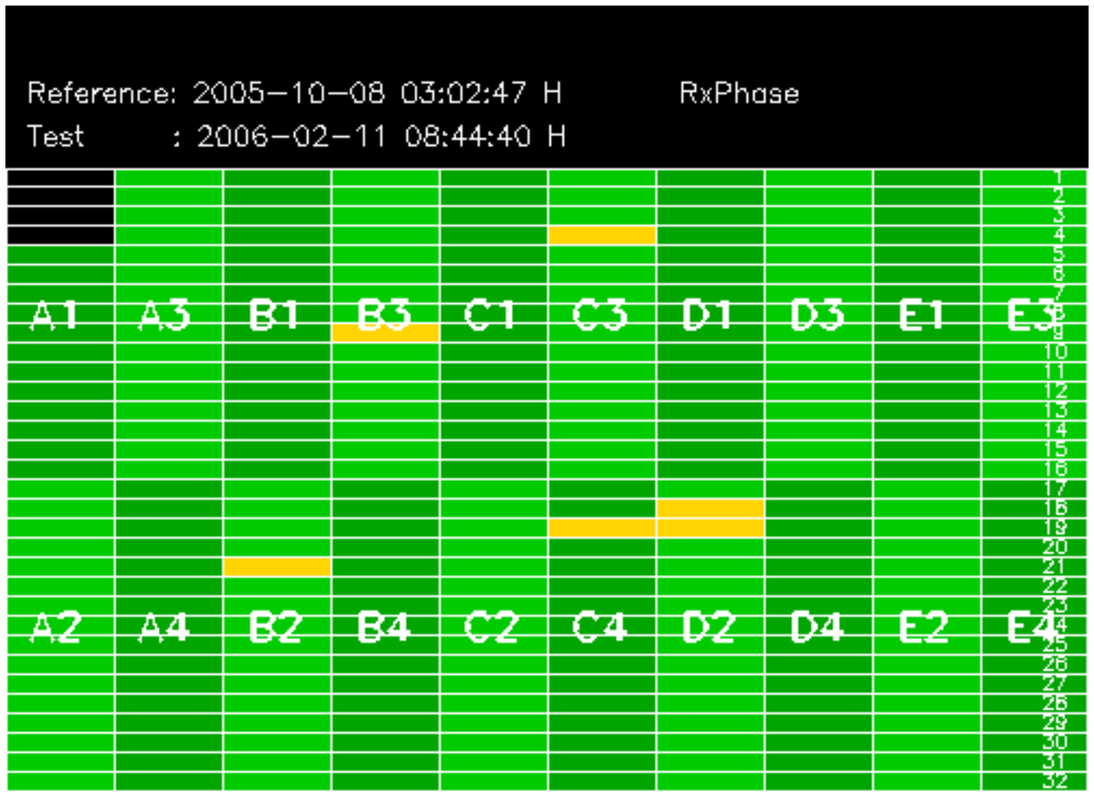

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-02-11 08:44:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-02-11 08:44:40 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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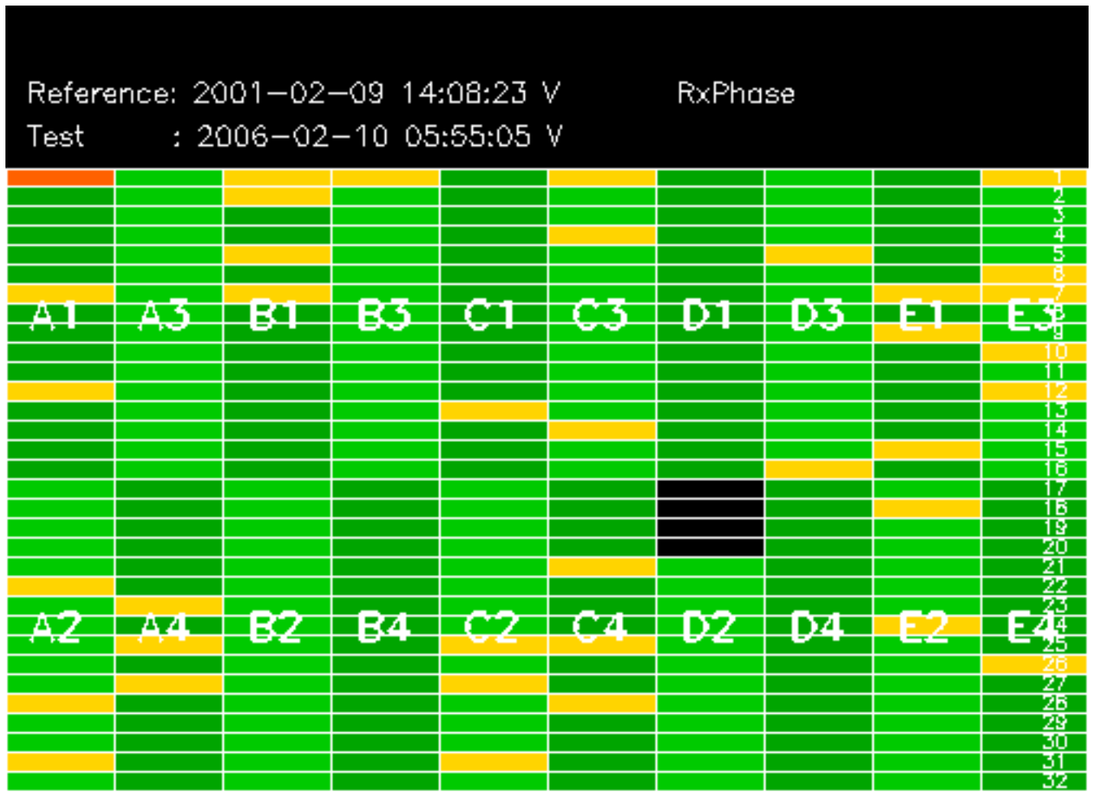
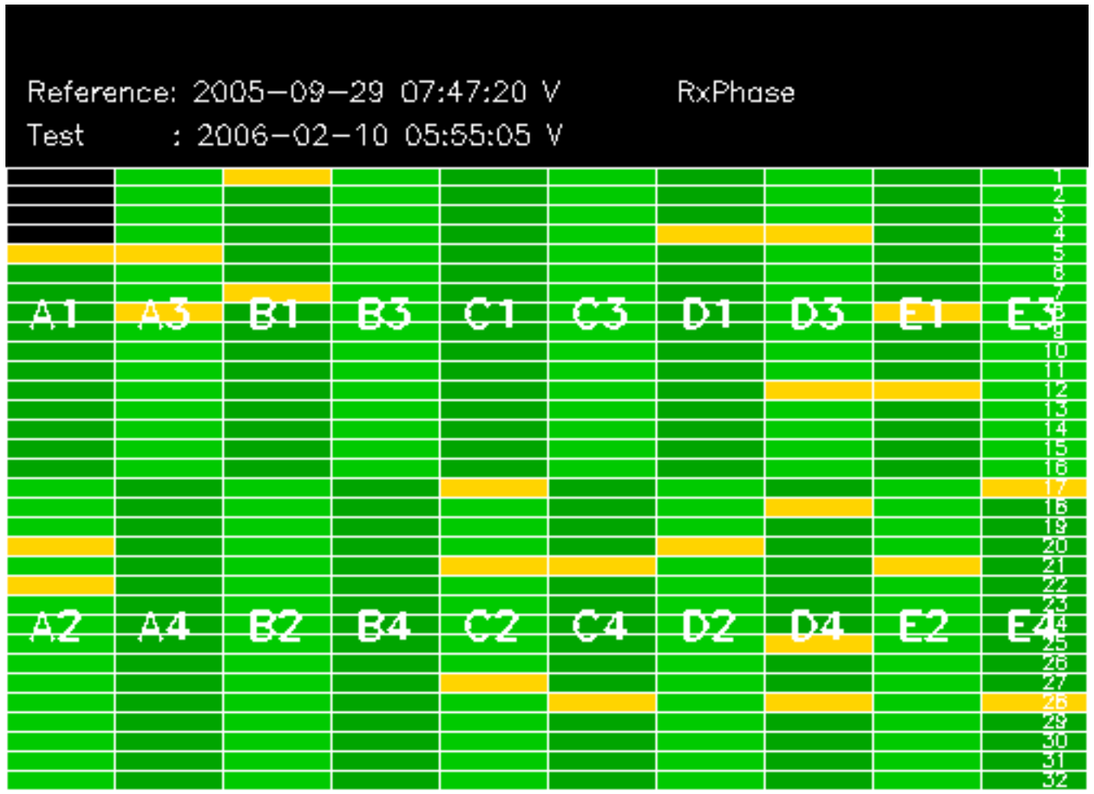

Reference: 2001-02-09 14:08:23 V
Test : 2006-02-10 05:55:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-02-10 05:55:05 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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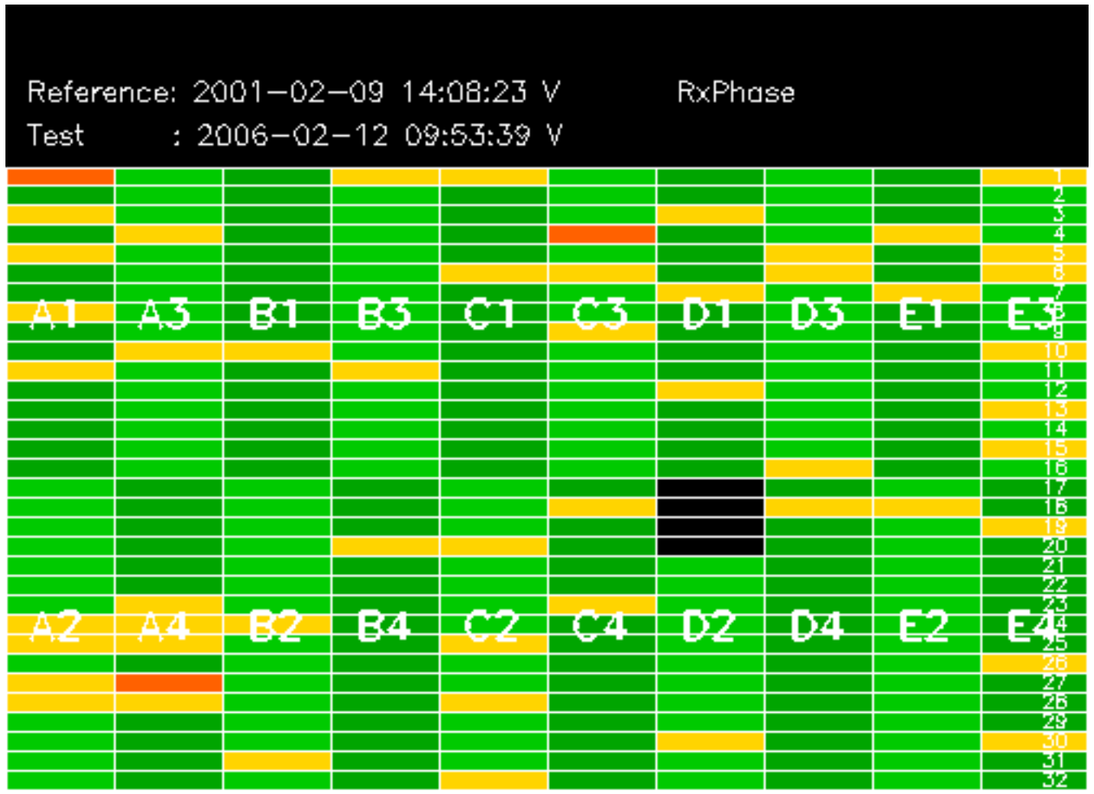
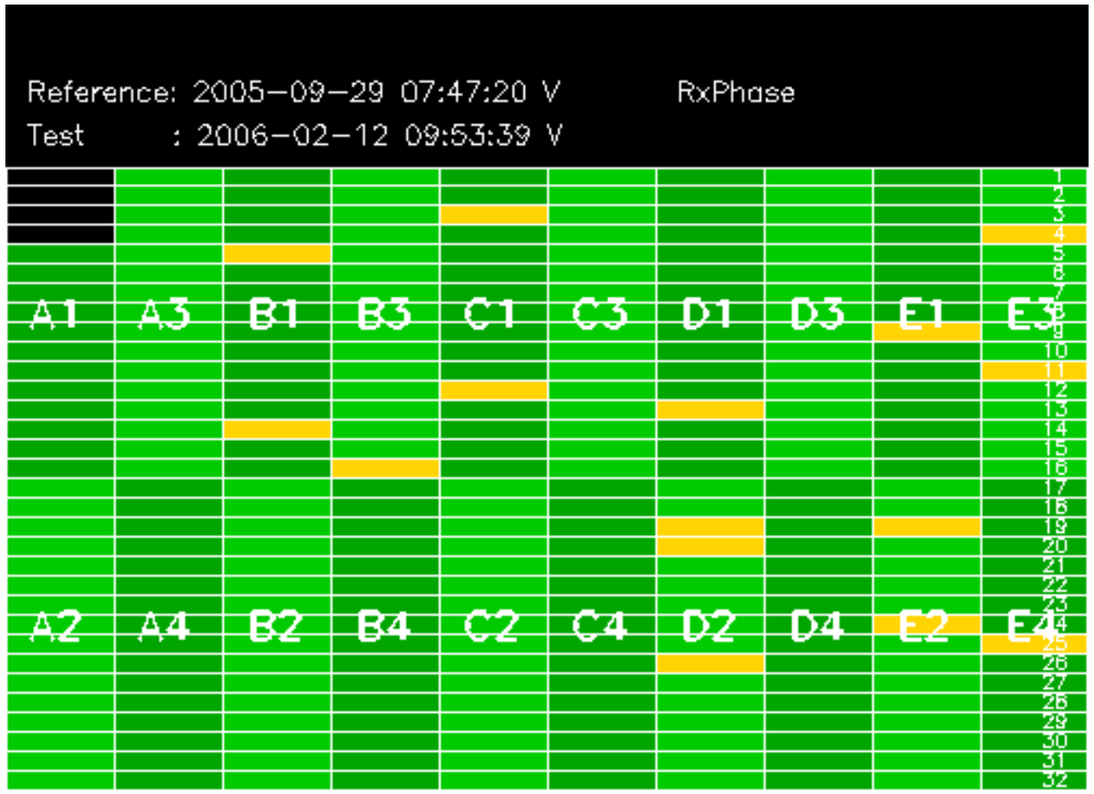
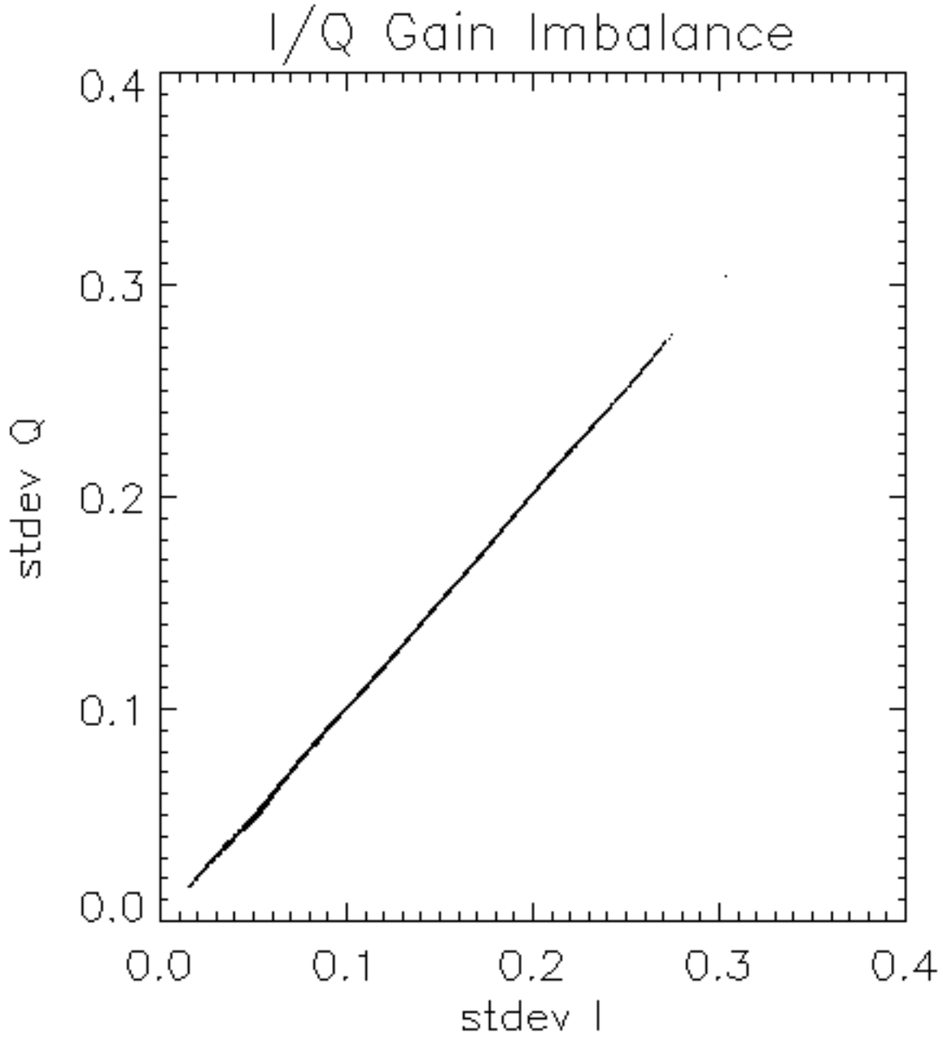
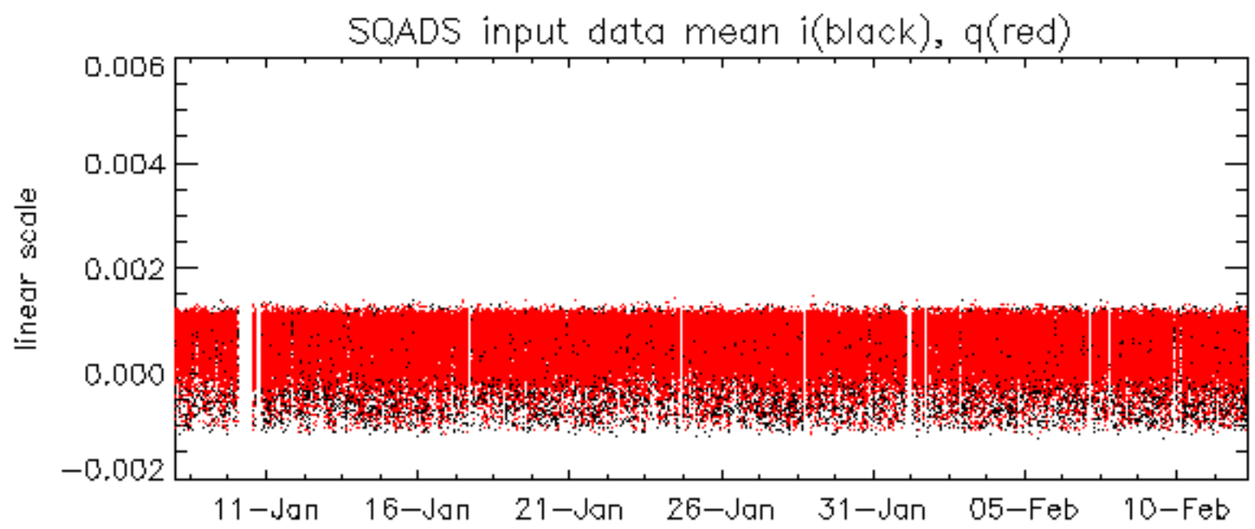
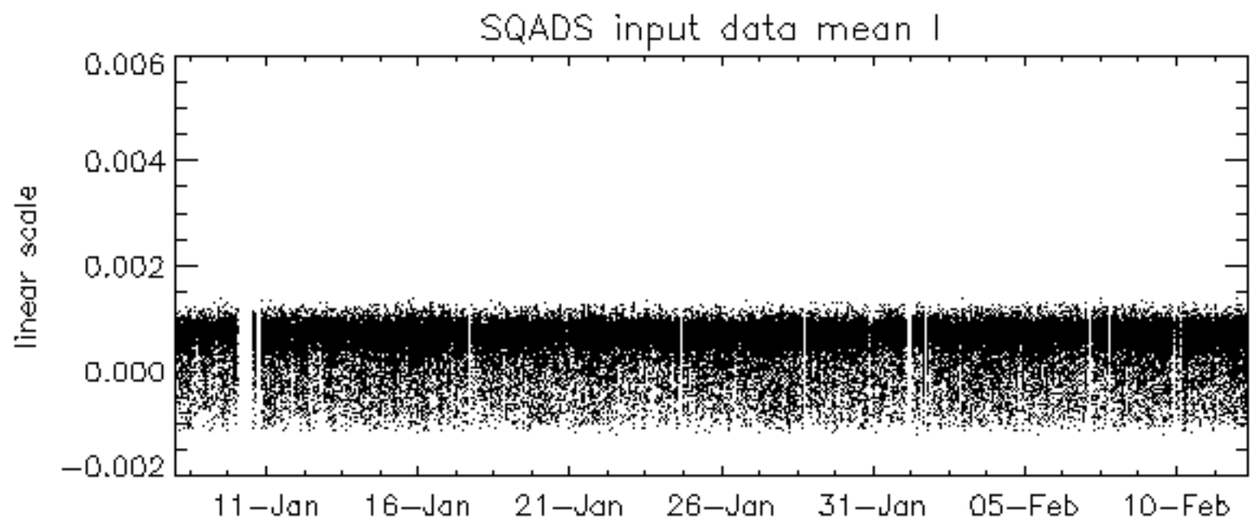
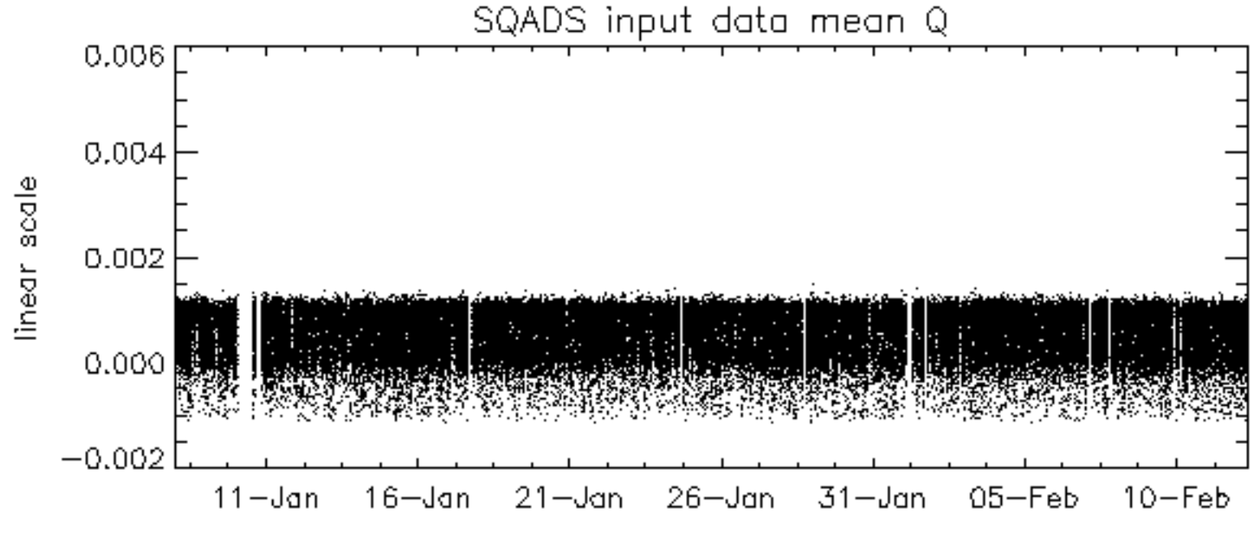

Reference: 2001-02-09 14:08:23 V
Test : 2006-02-12 09:53:39 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

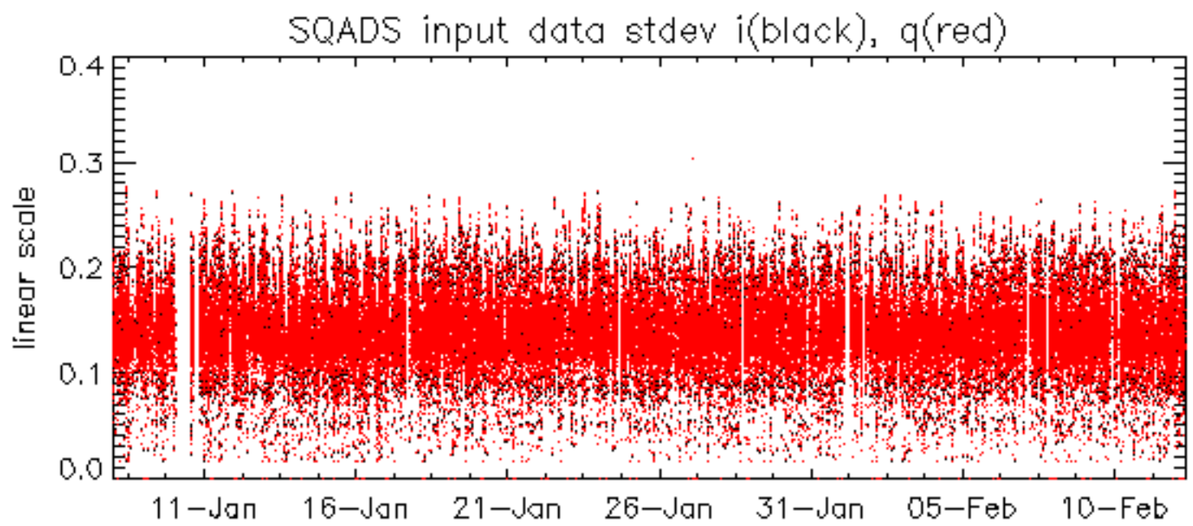

Reference: 2005-09-29 07:47:20 V
Test : 2006-02-12 09:53:39 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

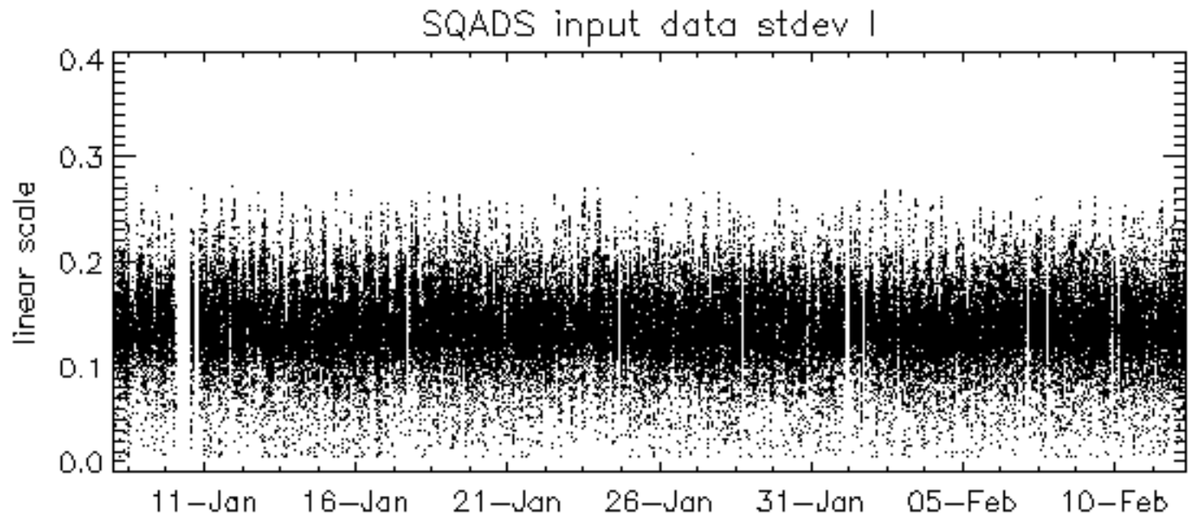

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

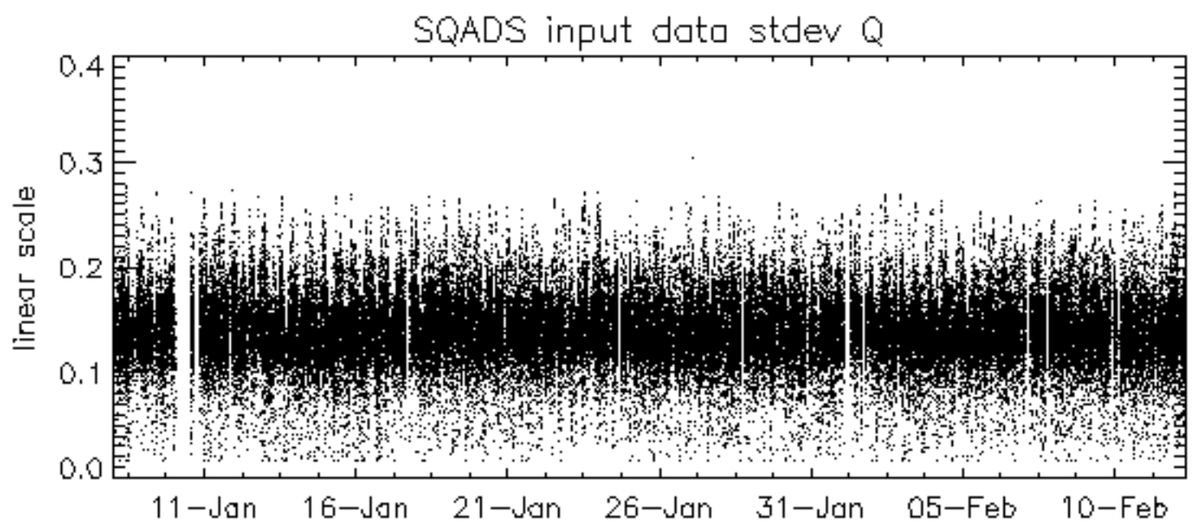

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Jan
16−Jan
21−Jan
26−Jan
31−Jan
05−Feb
10−Feb

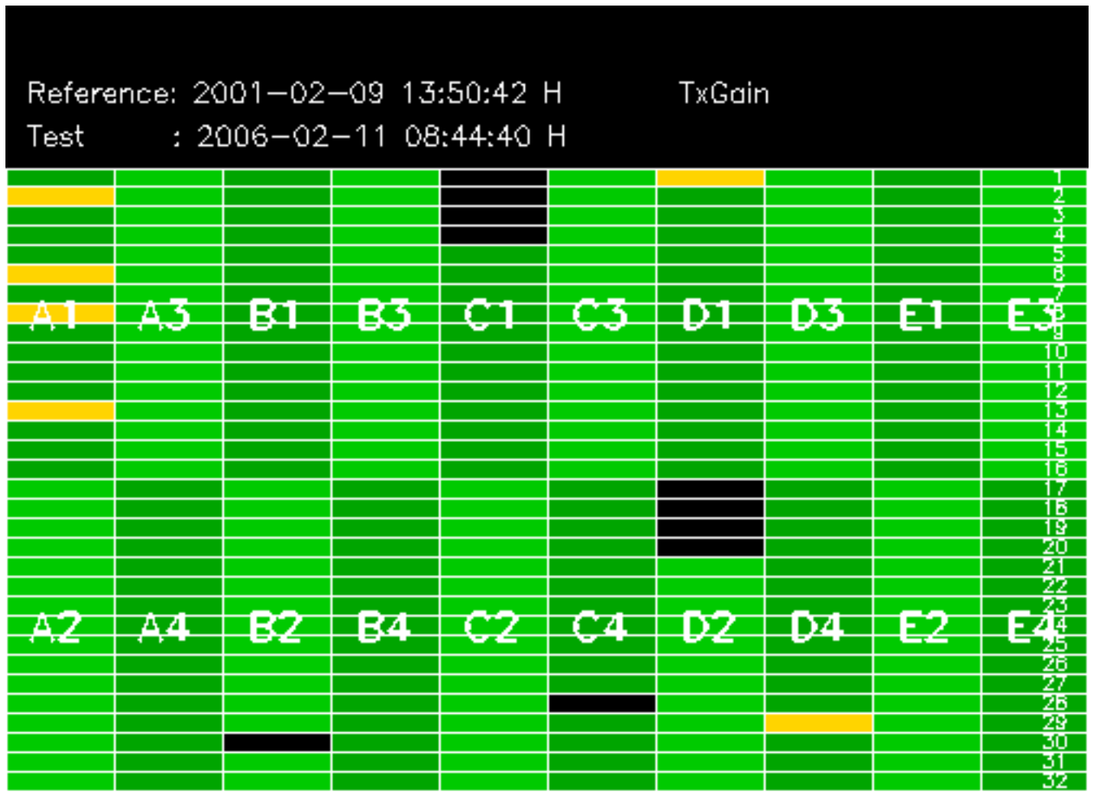

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Jan
16−Jan
21−Jan
26−Jan
31−Jan
05−Feb
10−Feb


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-02-11 08:44:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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C4
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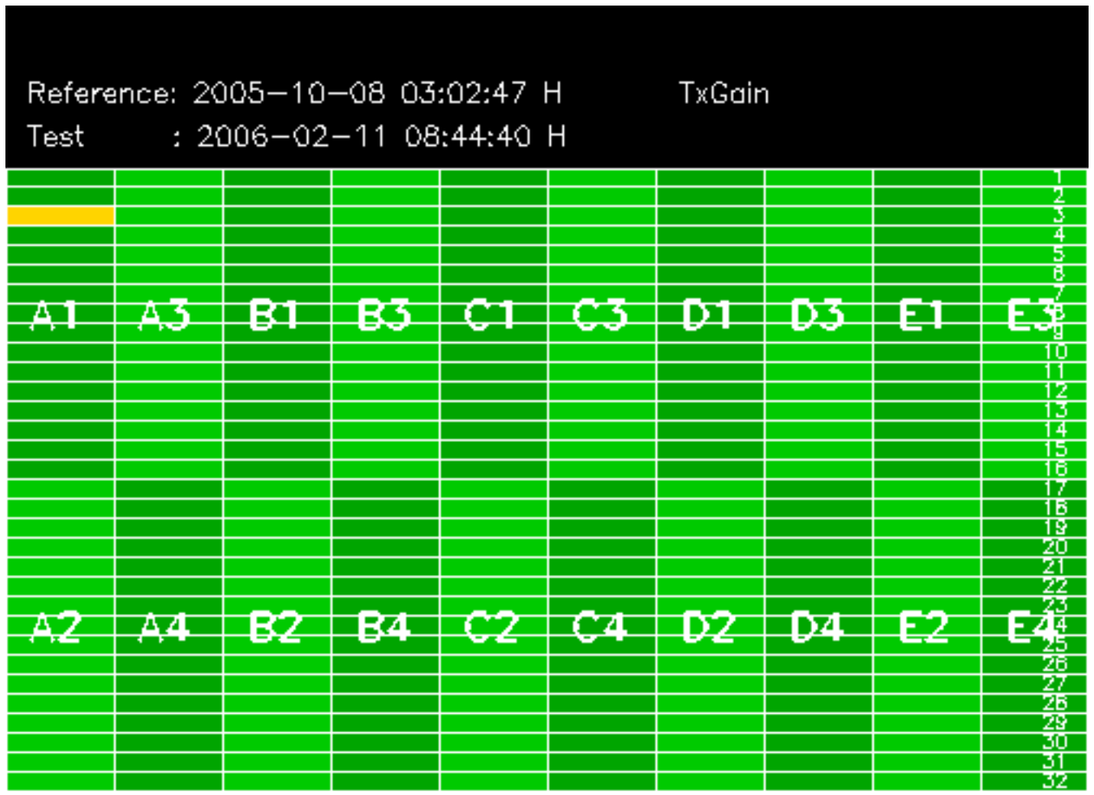
Reference: 2005-10-08 03:02:47 H
Test : 2006-02-11 08:44:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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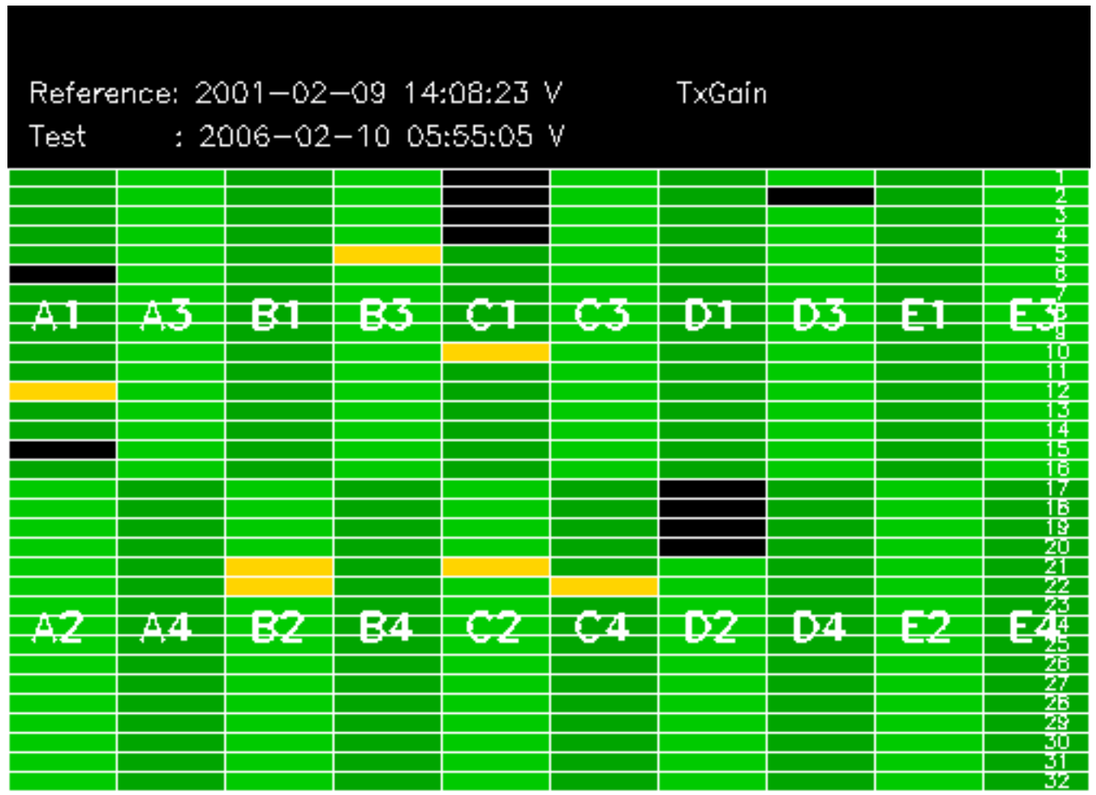
Reference: 2001-02-09 14:08:23 V
Test : 2006-02-10 05:55:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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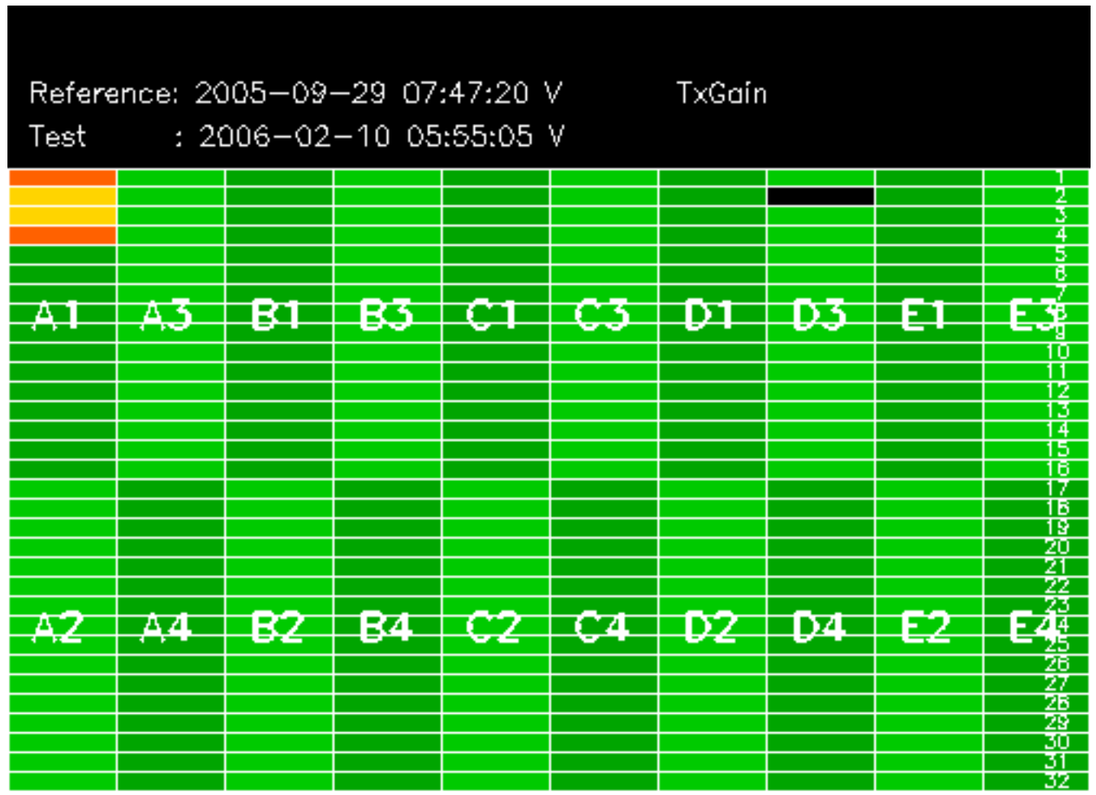
Reference: 2005-09-29 07:47:20 V
Test : 2006-02-10 05:55:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
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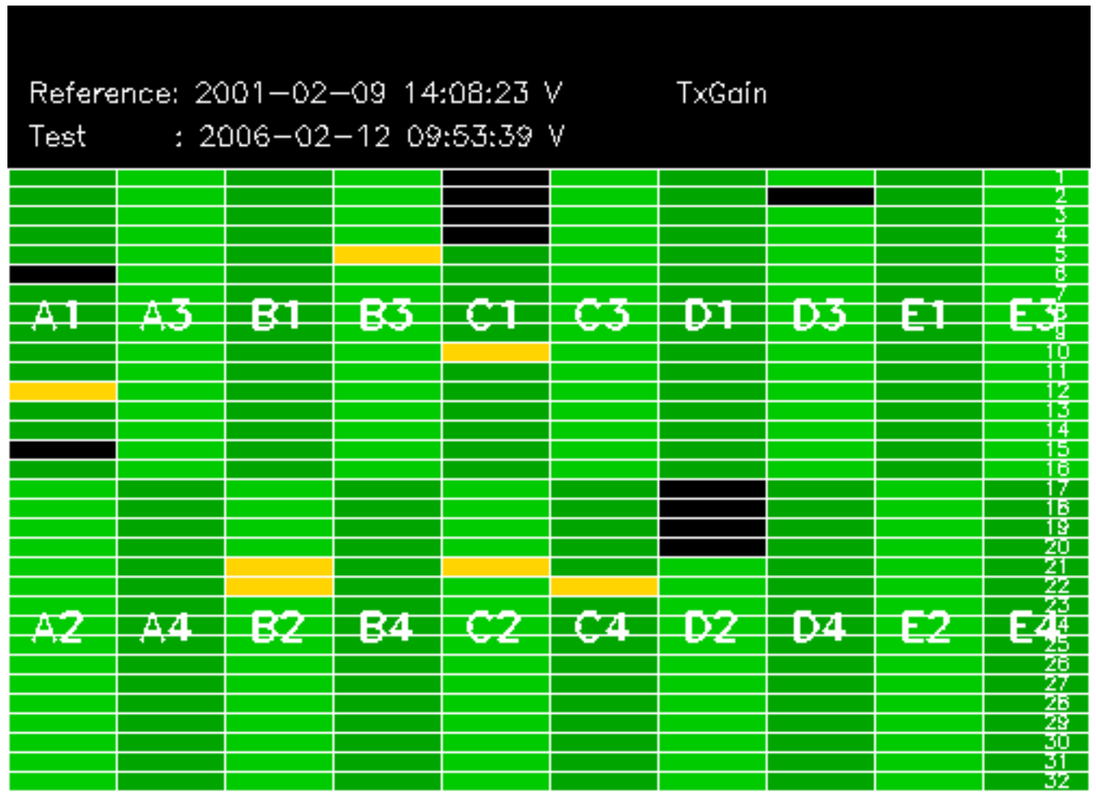
Reference: 2001-02-09 14:08:23 V
Test : 2006-02-12 09:53:39 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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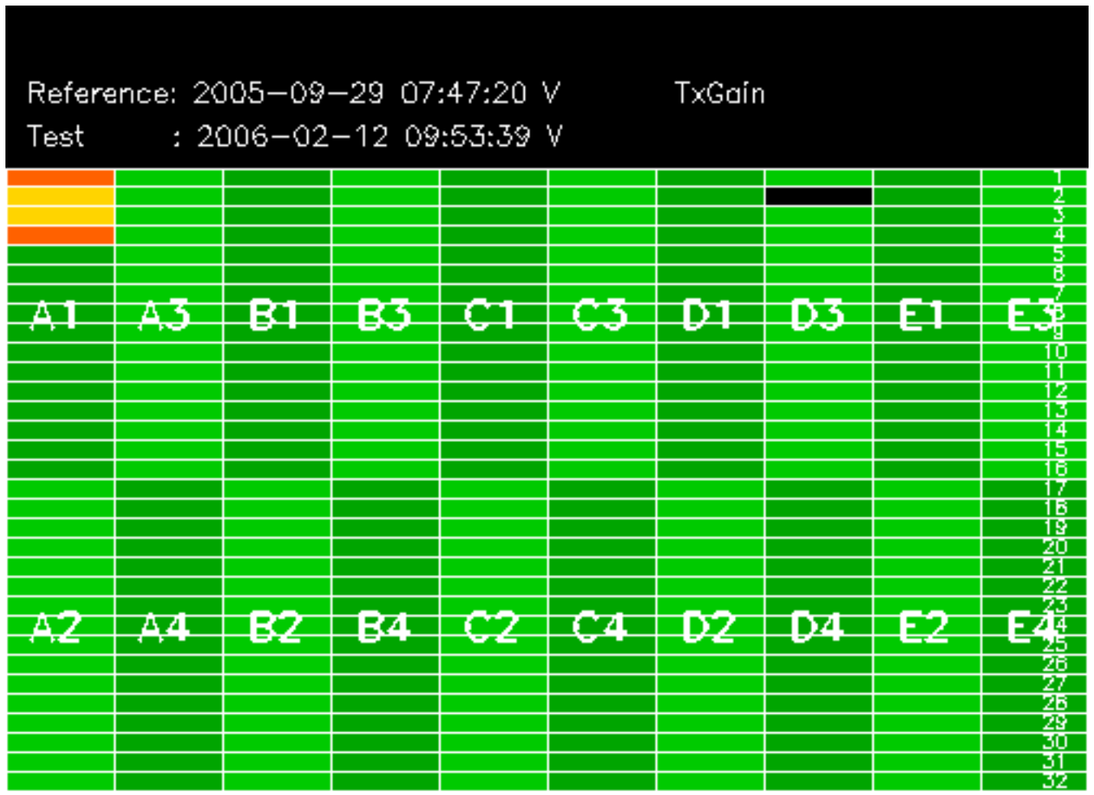
Reference: 2005-09-29 07:47:20 V
Test : 2006-02-12 09:53:39 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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Summary of analysis for the last 3 days 2006021[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060210_052944_000000042045_00048_20643_2658.N1 </td> <td>0 </td> <td>248 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060210_054350_000000352045_00048_20643_2602.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060211_005021_000002372045_00059_20654_2678.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDE20060210_040752_000000002045_00047_20642_0876.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDE20060211_065800_000000002045_00063_20658_0912.N1 </td> <td>1 </td> <td>0 </td></tr>
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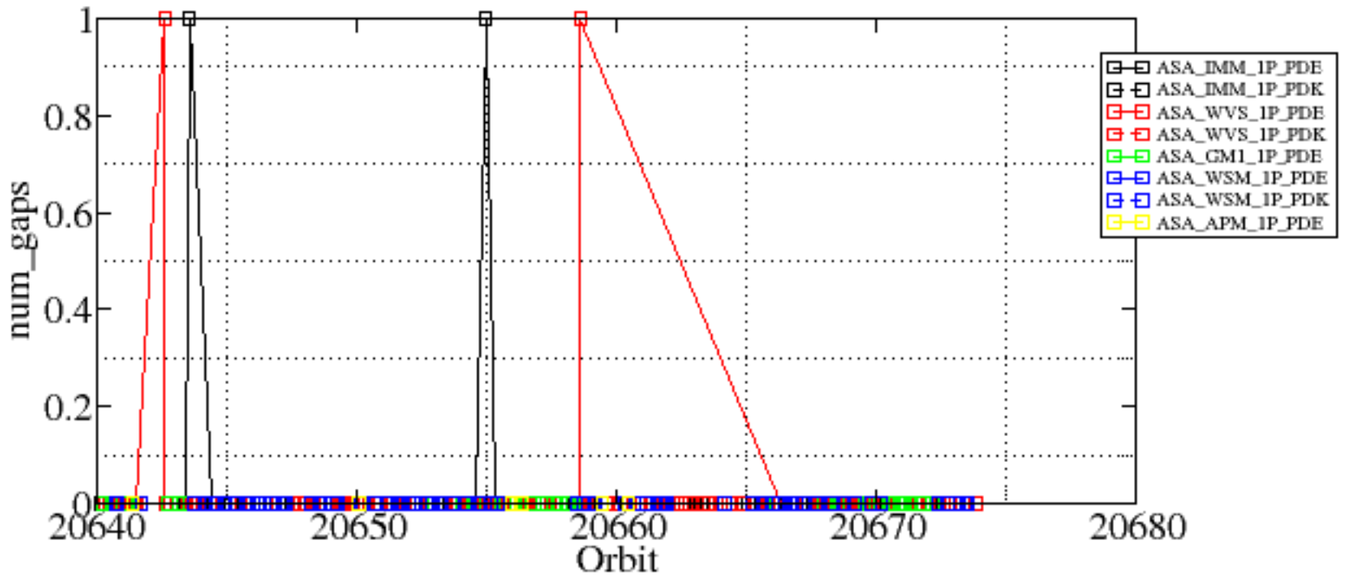
</table>


num_gaps
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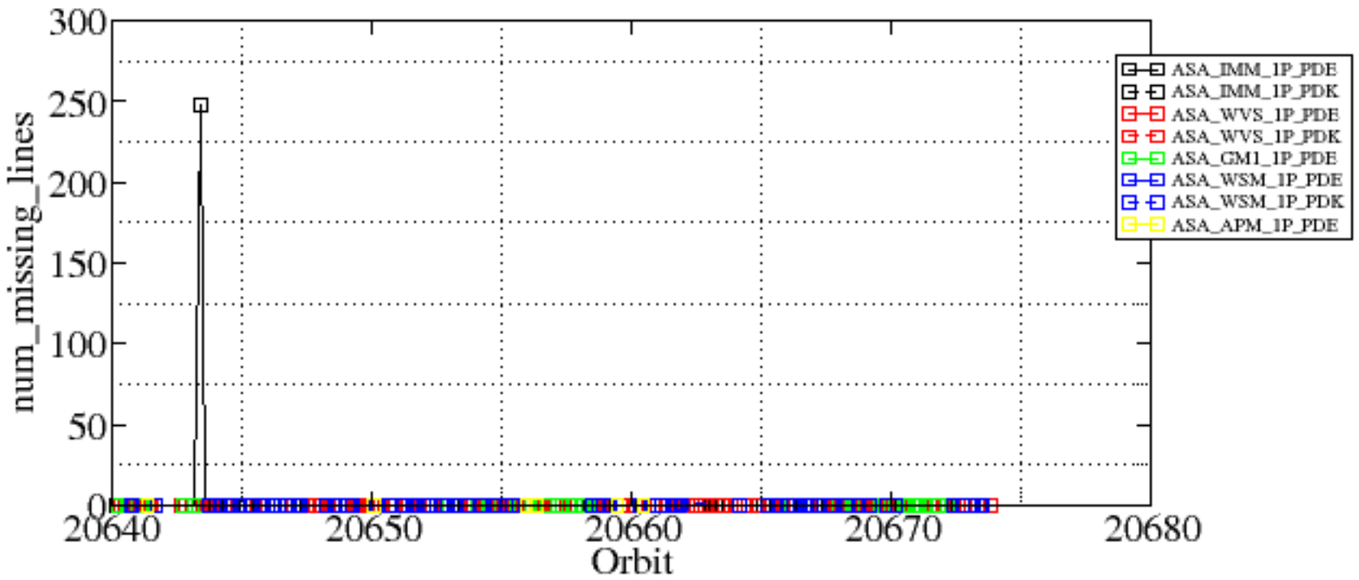
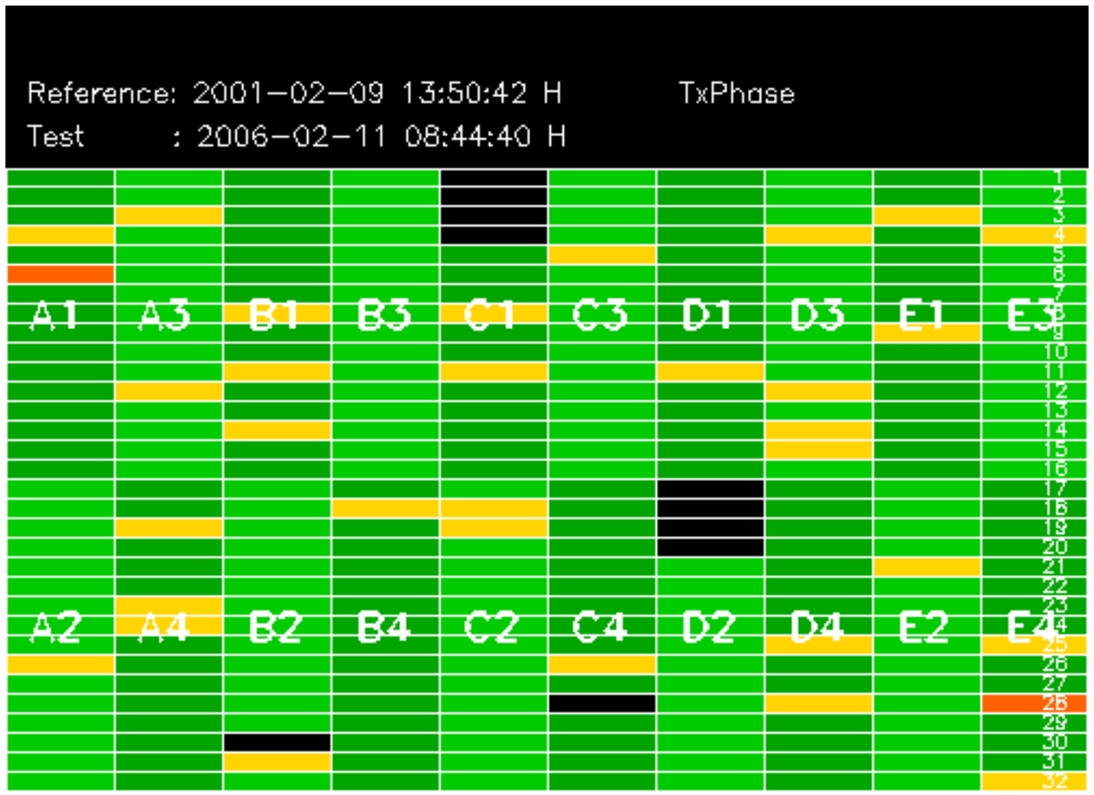
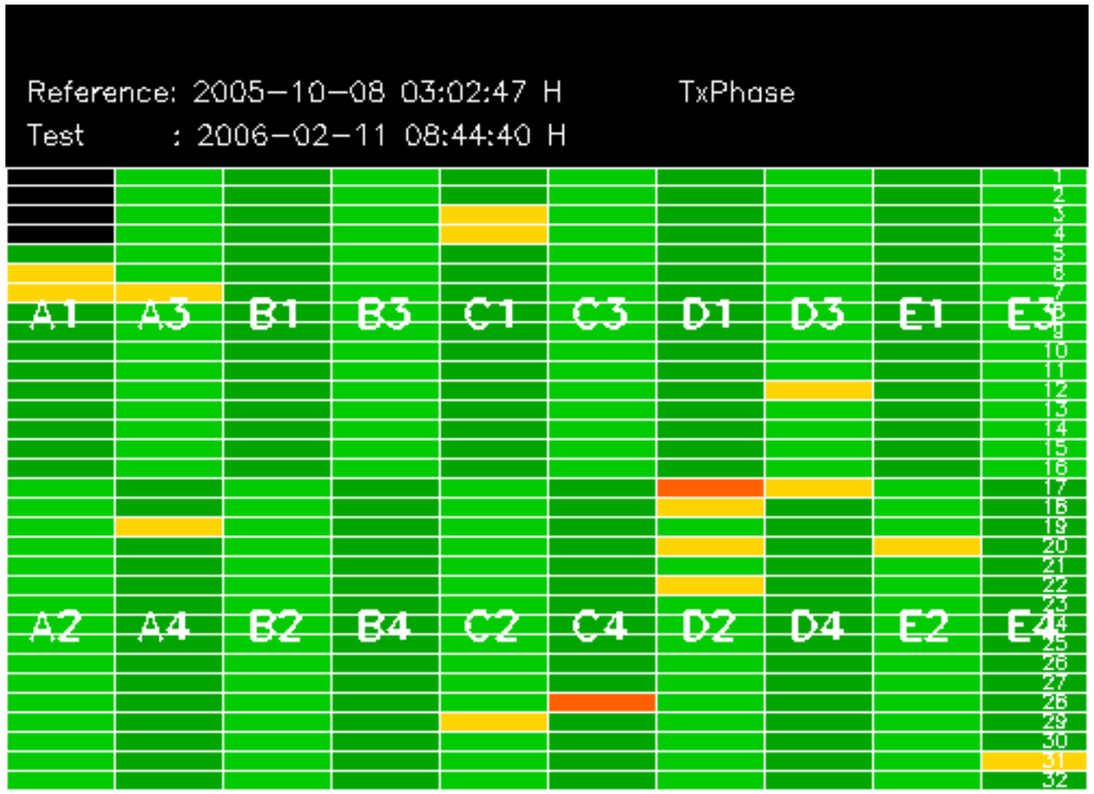
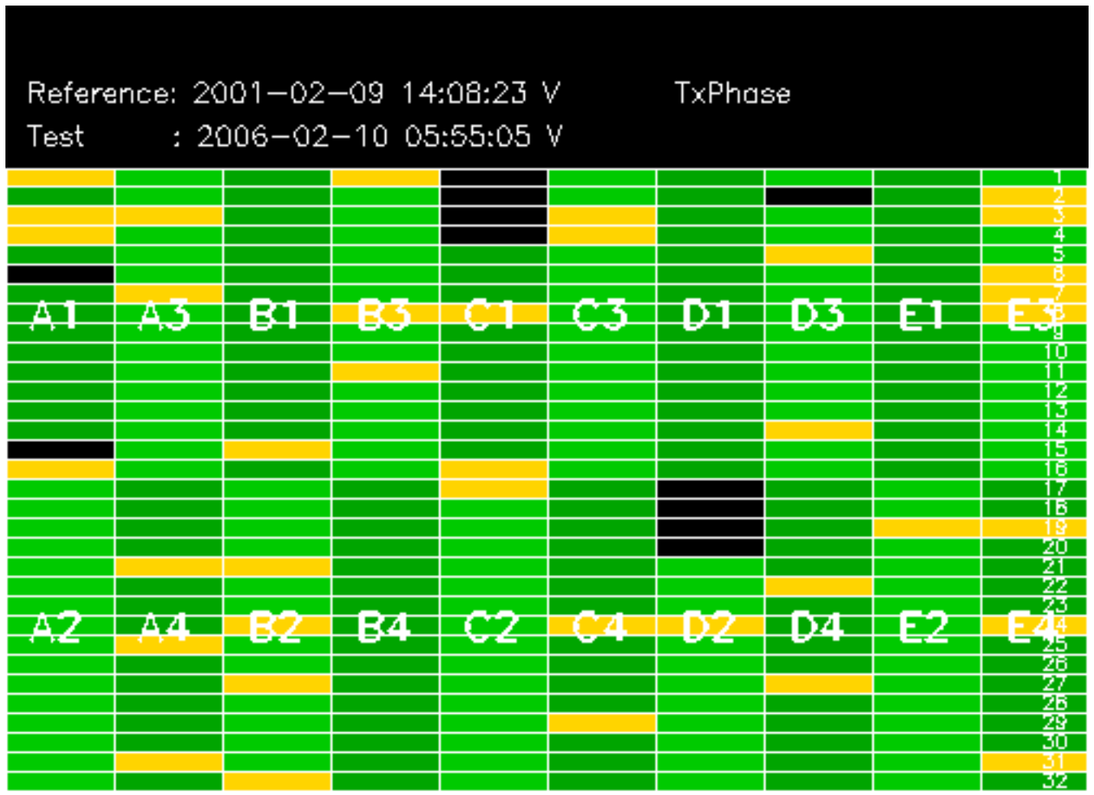
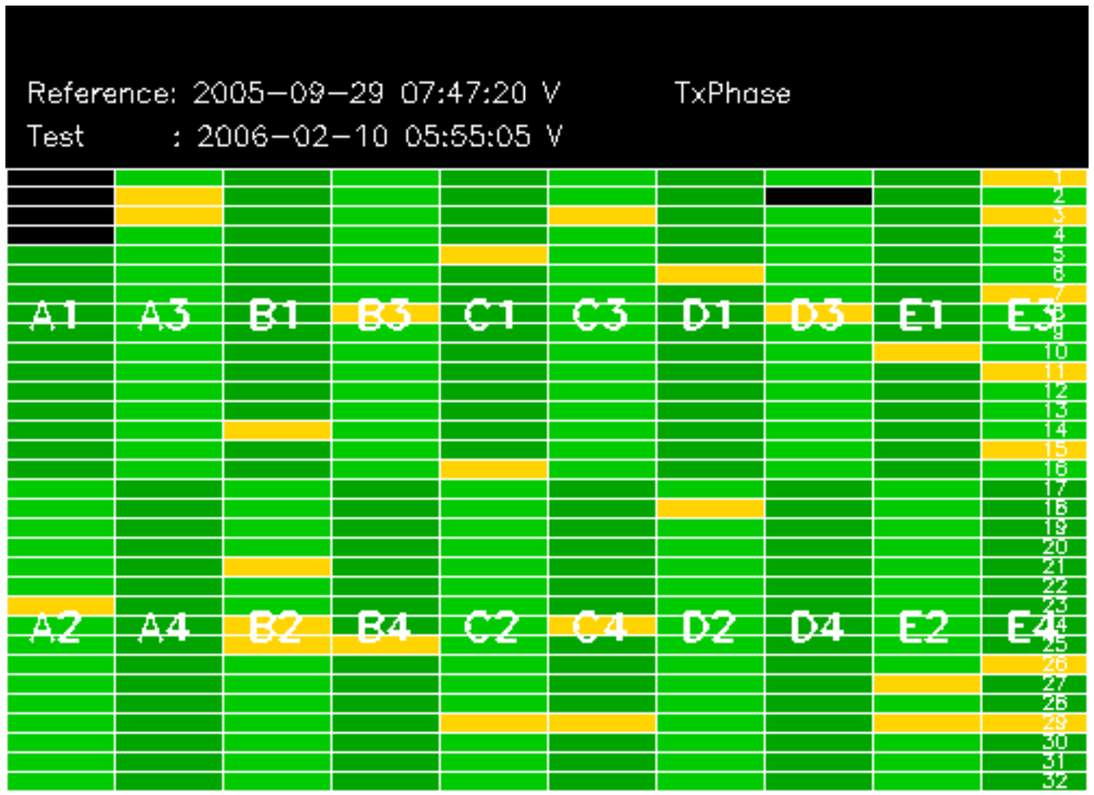
0.6
0.4
0.2
0
20640
20650
20660
20670
20680
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
300
250
200
150
100
50
0
20640
20650
20660
20670
20680
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE

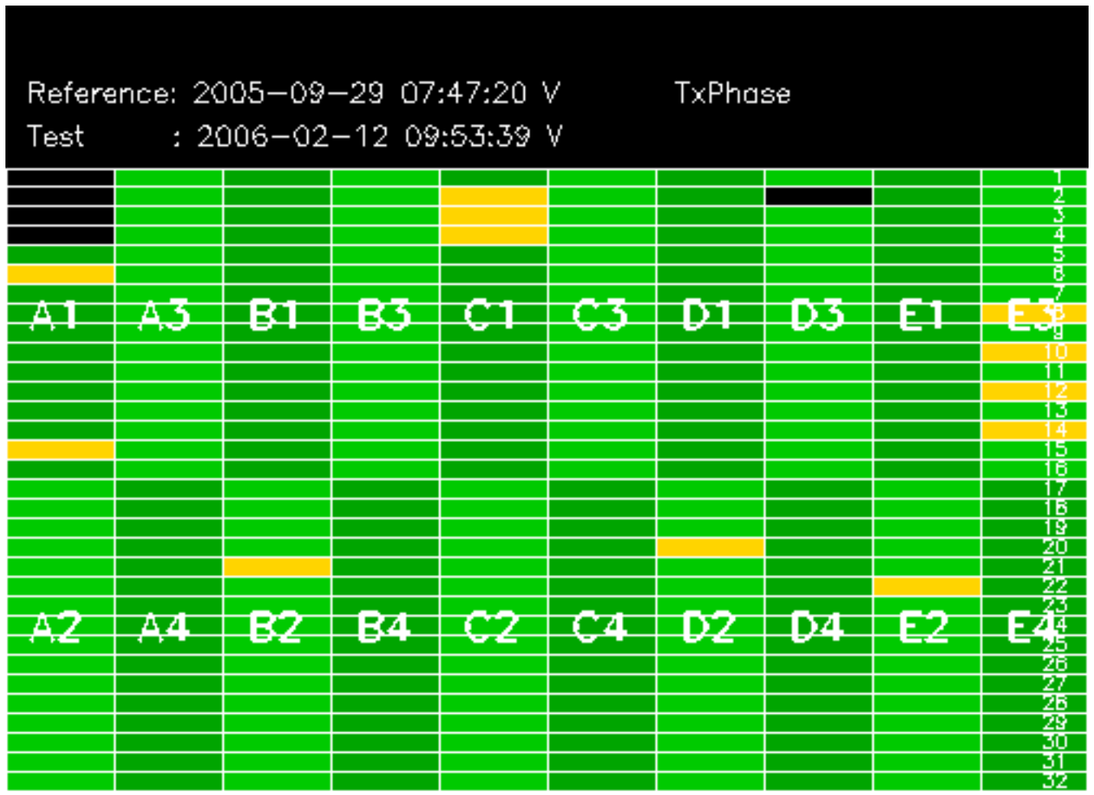

Reference: 2001-02-09 13:50:42 H
Test : 2006-02-11 08:44:40 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-02-11 08:44:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-02-10 05:55:05 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


Reference: 2005-09-29 07:47:20 V
Test : 2006-02-10 05:55:05 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


Reference: 2001-02-09 14:08:23 V
Test : 2006-02-12 09:53:39 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


Reference: 2005-09-29 07:47:20 V
Test : 2006-02-12 09:53:39 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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16
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19
20
21
22
23
24
25
26
27
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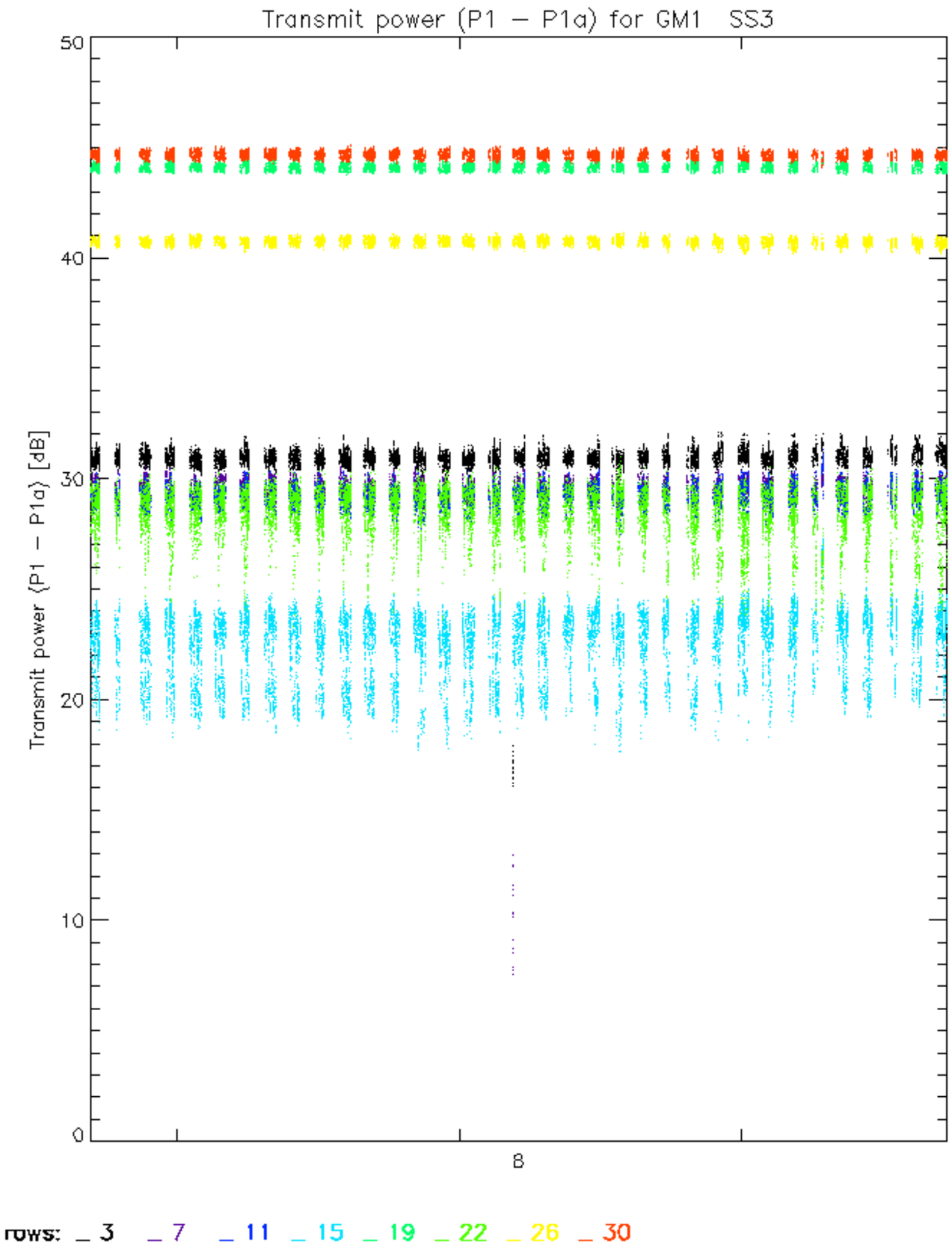
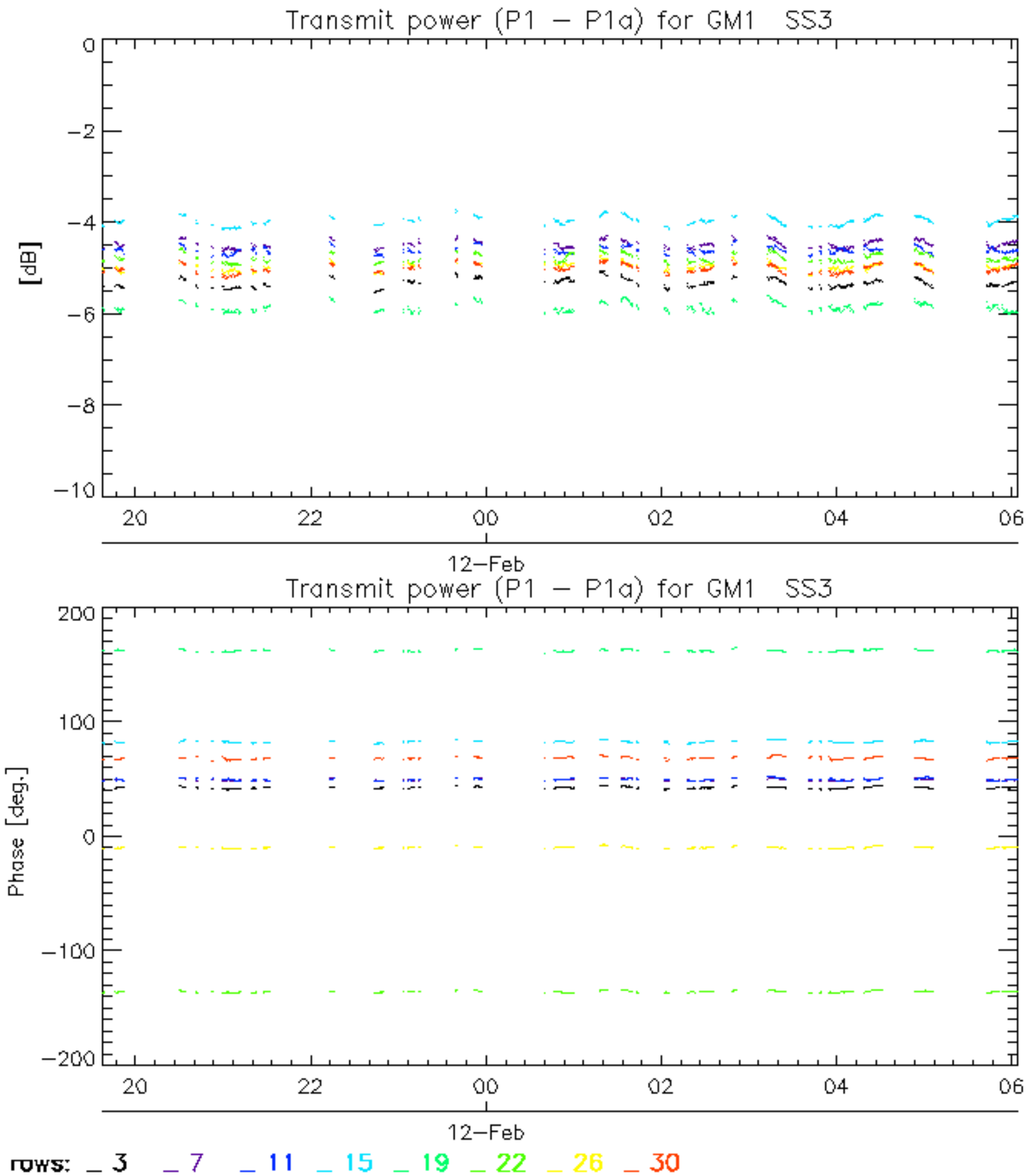
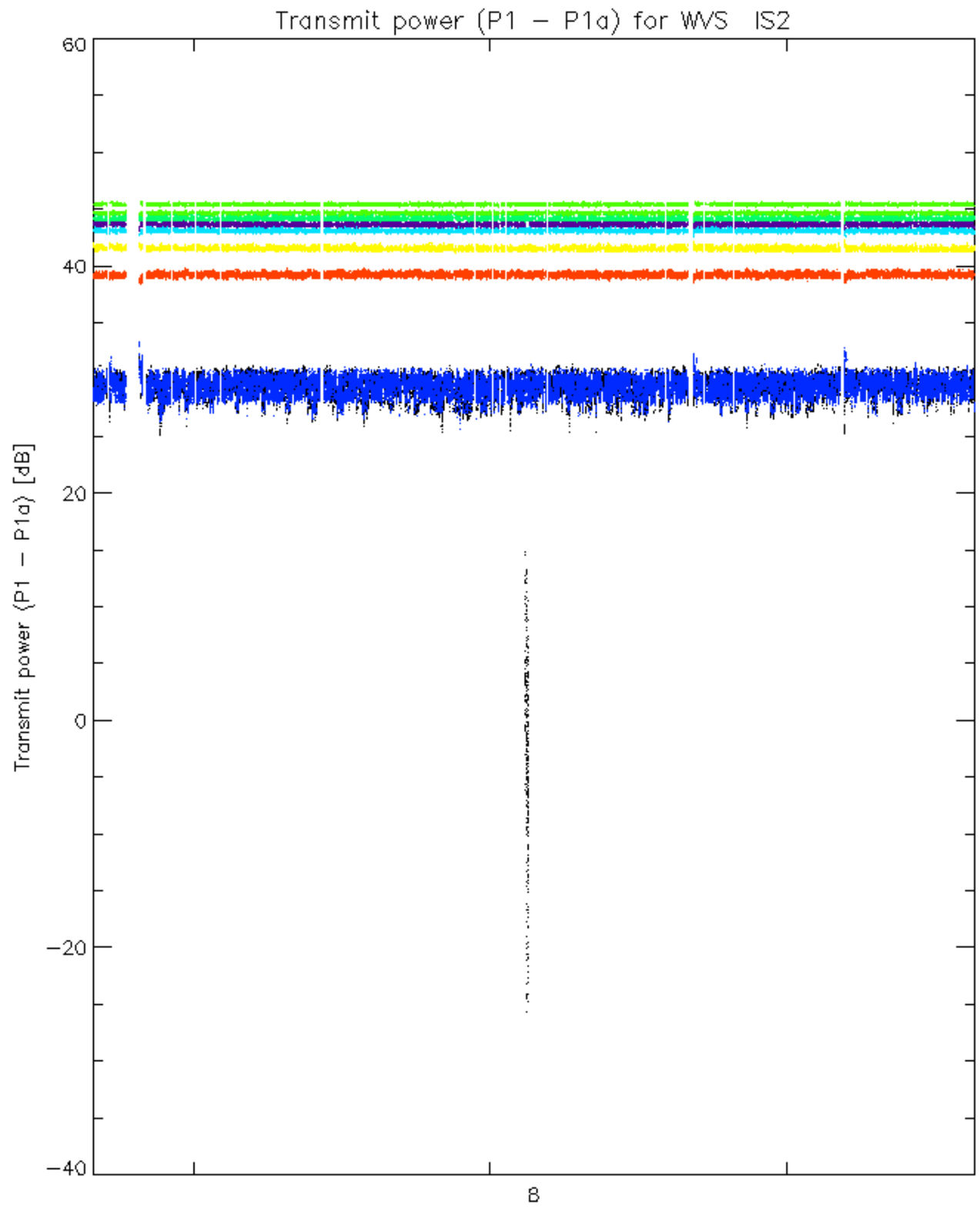
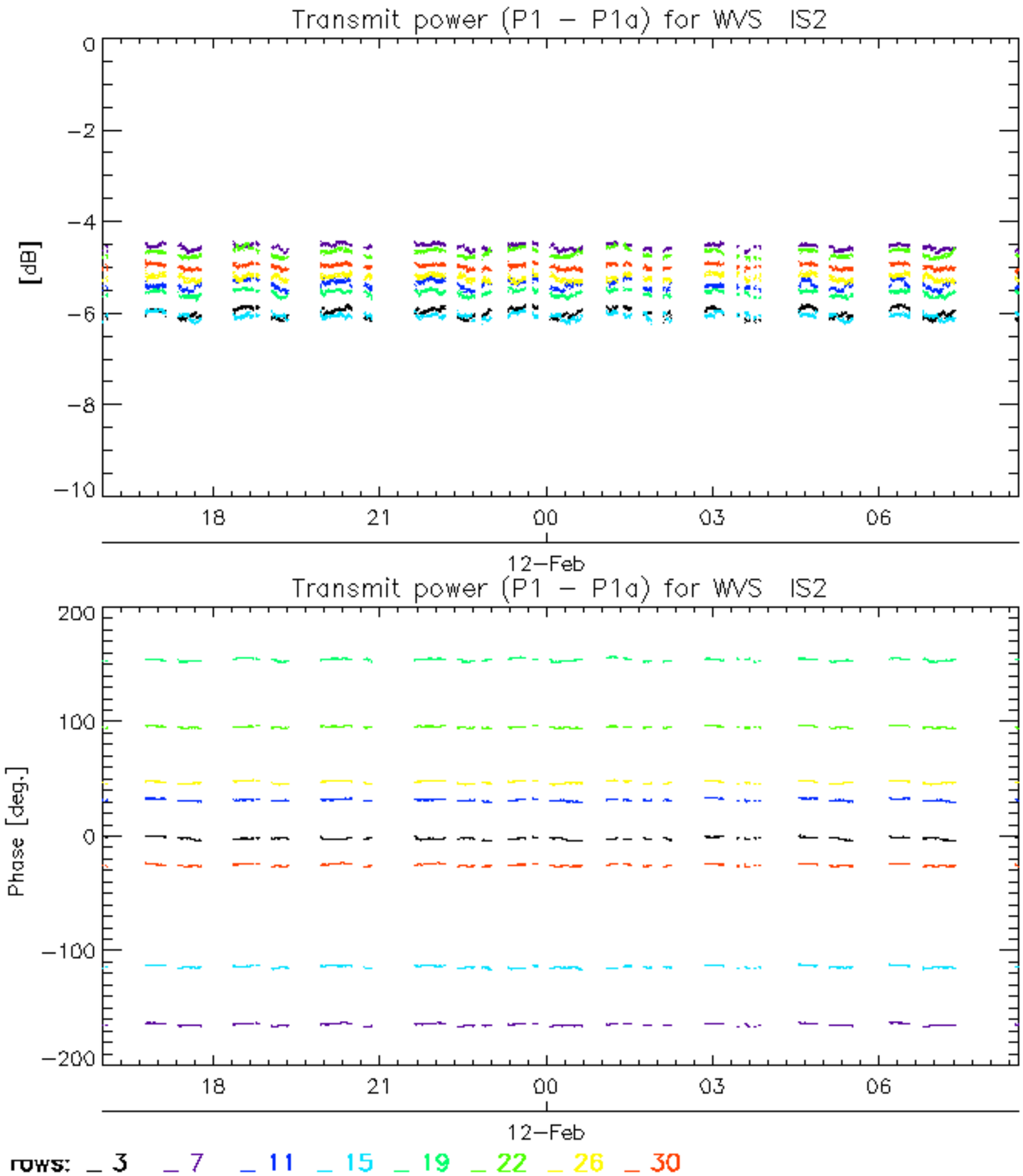
29
30
31
32


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


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
20
22
00
02
04
06
12–Feb
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
20
22
00
02
04
06
12–Feb
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
8
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
12–Feb
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
12–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.