PRELIMINARY REPORT OF 070213

last update on Tue Feb 13 16:16:24 GMT 2007

Due to an ASAR test acquisition campaign, the daily analysis on WVS products
will be based on IS4 instead of IS2 during the following periods:

From orbit 25621 (23-Jan-2007) to 25720 (30-Jan-2007) in HH polarization
From orbit 26122 (27-Feb-2007) to 26221 (06-Mar-2007) in HH polarization
From orbit 25721 (30-Jan-2007) to 25820 (06-Feb-2007) in VV polarization
From orbit 26222 (06-Mar-2007) to 26321 (13-Mar-2007) in VV polarization

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 2007-02-12 00:00:00 to 2007-02-13 16:16:25

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	39	61	15	3	28
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	39	61	15	3	28
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	39	61	15	3	28
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	39	61	15	3	28

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	31	39	57	9	20
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	31	39	57	9	20
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	31	39	57	9	20
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	31	39	57	9	20

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	20070212 084150
H	20070213 081013

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)
3	P1a	-15.252927	0.359275	2.944991
7	P1a	-17.405470	0.111278	-0.464548
11	P1a	-17.355175	0.375882	-0.183897
15	P1a	-12.821997	0.127085	-0.286072
19	P1a	-15.093298	0.094819	-0.173456
22	P1a	-15.498286	0.483729	-0.470326
26	P1a	-14.966699	0.261828	0.006441
30	P1a	-17.280491	0.396753	-0.529385

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.515300	0.304051	-3.228508
7	P1	-3.105011	0.009727	-0.107523
11	P1	-4.131883	0.020387	-0.154712
15	P1	-6.319991	0.016959	-0.093171
19	P1	-3.706685	0.009039	-0.011775
22	P1	-4.674899	0.014434	-0.020843
26	P1	-3.926860	0.014171	0.012548
30	P1	-5.917820	0.012698	-0.062018

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.434061	0.447491	-3.585536
7	P2	-21.619118	0.085872	0.050191
11	P2	-15.481683	0.104402	0.073957
15	P2	-7.015886	0.101774	-0.092173

19	P2	-9.082396	0.089830	-0.074782
22	P2	-18.096542	0.088111	-0.094585
26	P2	-16.507895	0.101140	-0.141122
30	P2	-19.334560	0.081970	-0.044169

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.202440	0.008161	-0.009995
7	P3	-8.202440	0.008161	-0.009995
11	P3	-8.202440	0.008161	-0.009995
15	P3	-8.202440	0.008161	-0.009995
19	P3	-8.202440	0.008161	-0.009995
22	P3	-8.202440	0.008161	-0.009995
26	P3	-8.202440	0.008161	-0.009995
30	P3	-8.202440	0.008161	-0.009995

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.412942	0.152199	1.627061
7	P1a	-10.035439	0.058238	-0.120169
11	P1a	-10.563560	0.062265	-0.398424
15	P1a	-10.845168	0.130664	-0.124095
19	P1a	-15.742361	0.063806	0.026224
22	P1a	-20.901556	1.301741	0.478314
26	P1a	-15.455077	0.260850	0.295037
30	P1a	-18.324440	0.366118	-0.067290

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)

3	P1	-6.249290	4.250950	-10.347632
7	P1	-2.440396	0.005974	0.001121
11	P1	-2.877570	0.017025	-0.159700
15	P1	-3.791777	0.033568	-0.133236
19	P1	-3.549912	0.013137	-0.010972
22	P1	-5.025150	0.023535	-0.014977
26	P1	-5.993254	0.023132	0.045712
30	P1	-5.288512	0.023711	0.014206

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.157936	0.856960	-4.443943
7	P2	-22.013939	0.051456	0.145755
11	P2	-10.680969	0.032550	0.109593
15	P2	-4.833660	0.027543	0.064724
19	P2	-6.831169	0.029248	0.080757
22	P2	-8.140349	0.030732	0.077804
26	P2	-24.250942	0.032549	0.036147
30	P2	-21.791067	0.034771	0.067511

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.050939	0.002943	0.037146
7	P3	-8.050935	0.002957	0.035984
11	P3	-8.050941	0.002944	0.036835
15	P3	-8.050950	0.002943	0.036746
19	P3	-8.050896	0.002938	0.036700
22	P3	-8.050949	0.002944	0.037154
26	P3	-8.050835	0.002942	0.037095
30	P3	-8.050900	0.002950	0.036900

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	0.000655993
	stdev	2.58943e-07
MEAN Q	mean	0.000336152
	stdev	2.51288e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0875214
	stdev	0.00241052
STDEV Q	mean	0.0873578
	stdev	0.00245765

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007021[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_1PNPDE20070212_221218_000001072055_00301_25906_5131.N1	15	3773
ASA_IMM_1PNPDE20070212_221549_000002632055_00301_25906_5257.N1	3	10
ASA_IMM_1PNPDE20070212_235224_000004552055_00302_25907_5398.N1	15	2640
ASA_WSM_1PNPDE20070211_145120_000000862055_00283_25888_3819.N1	0	33
ASA_WSM_1PNPDK20070211_095259_000000852055_00280_25885_2209.N1	0	52

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

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

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX

7.4 - Unbiased Doppler Error for GM1

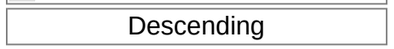
Evolution of unbiased Doppler error (Real - Expected)

Acsending

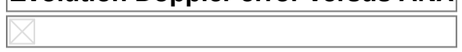
Descending

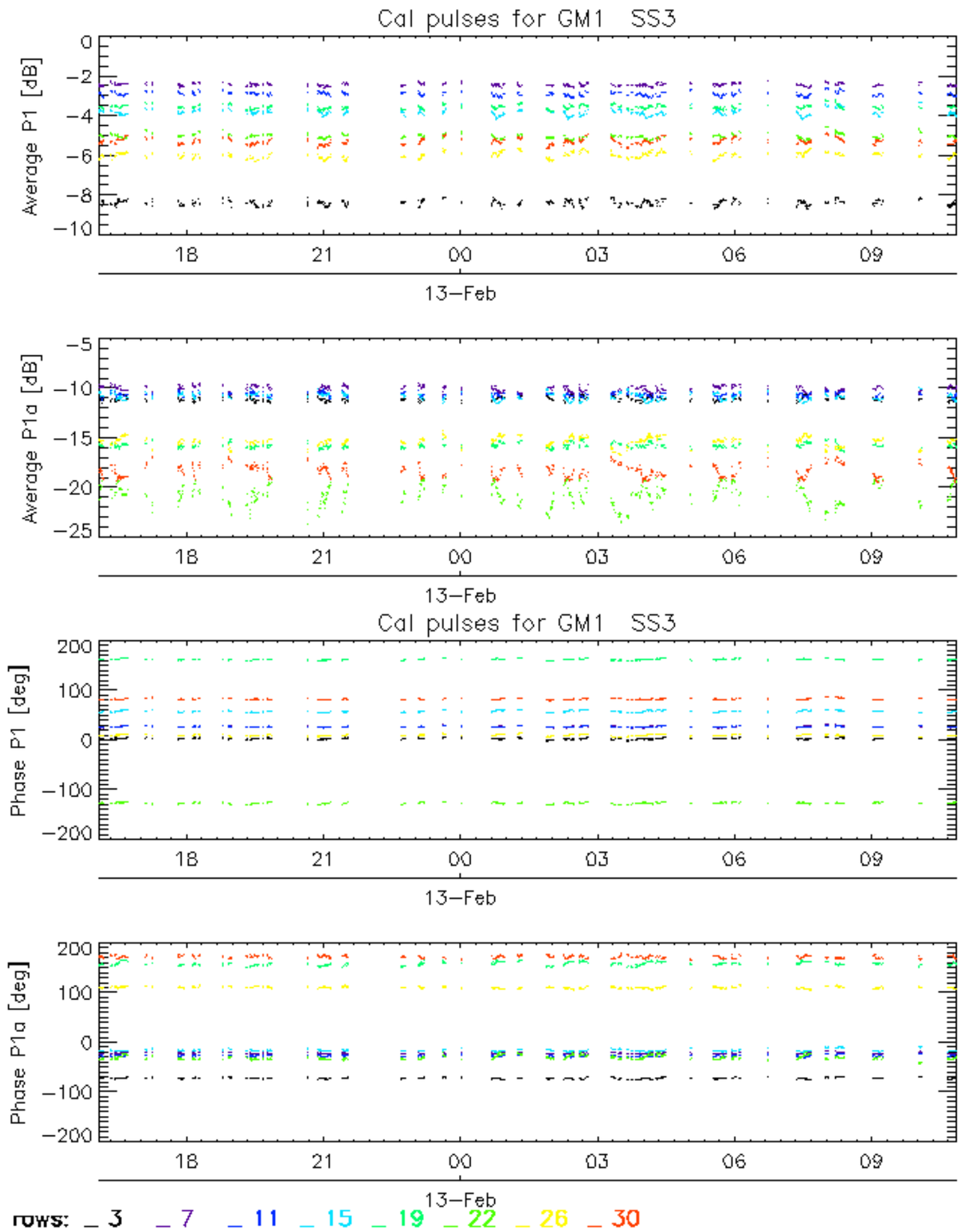
7.5 - Absolute Doppler for GM1

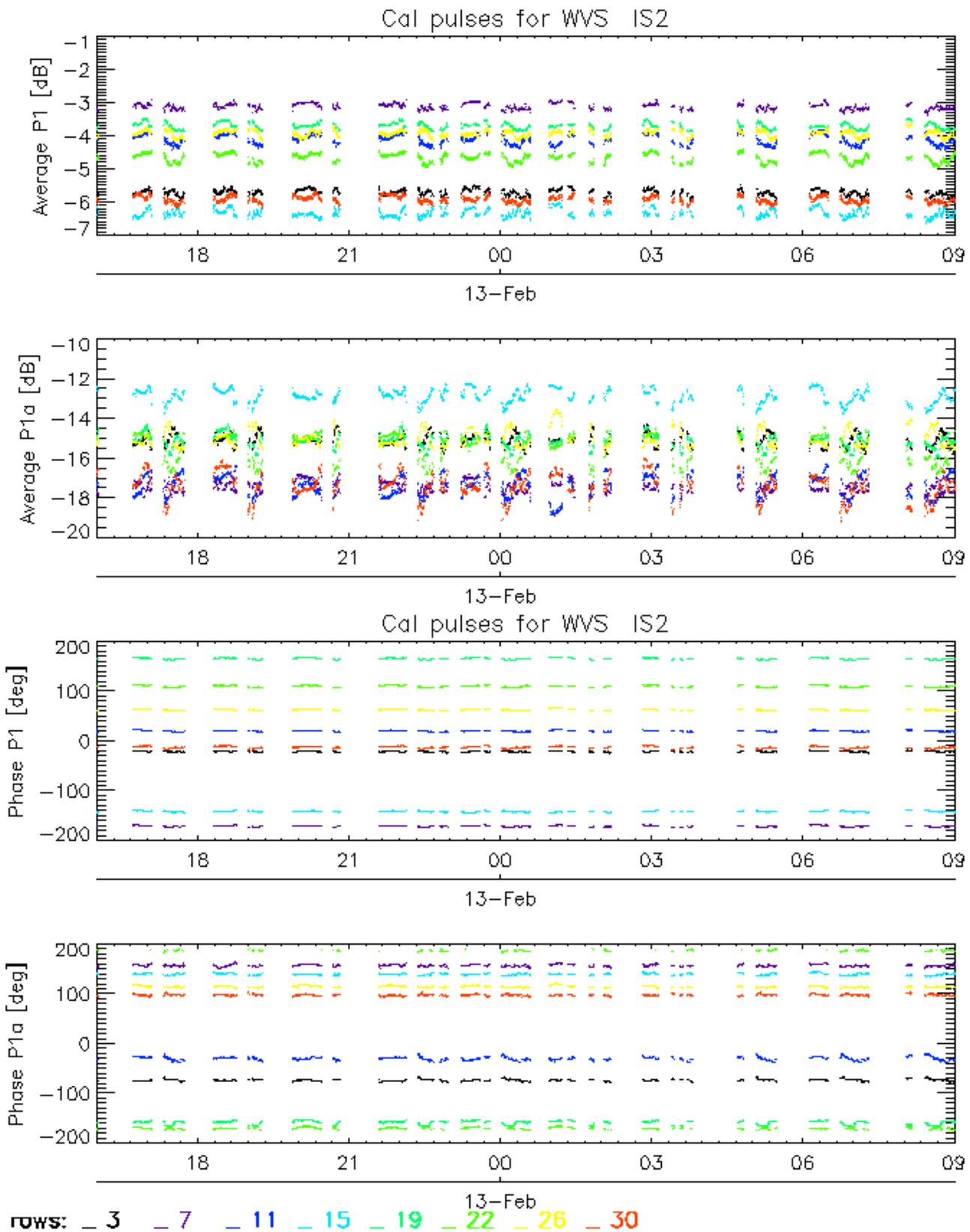
Evolution of Absolute Doppler

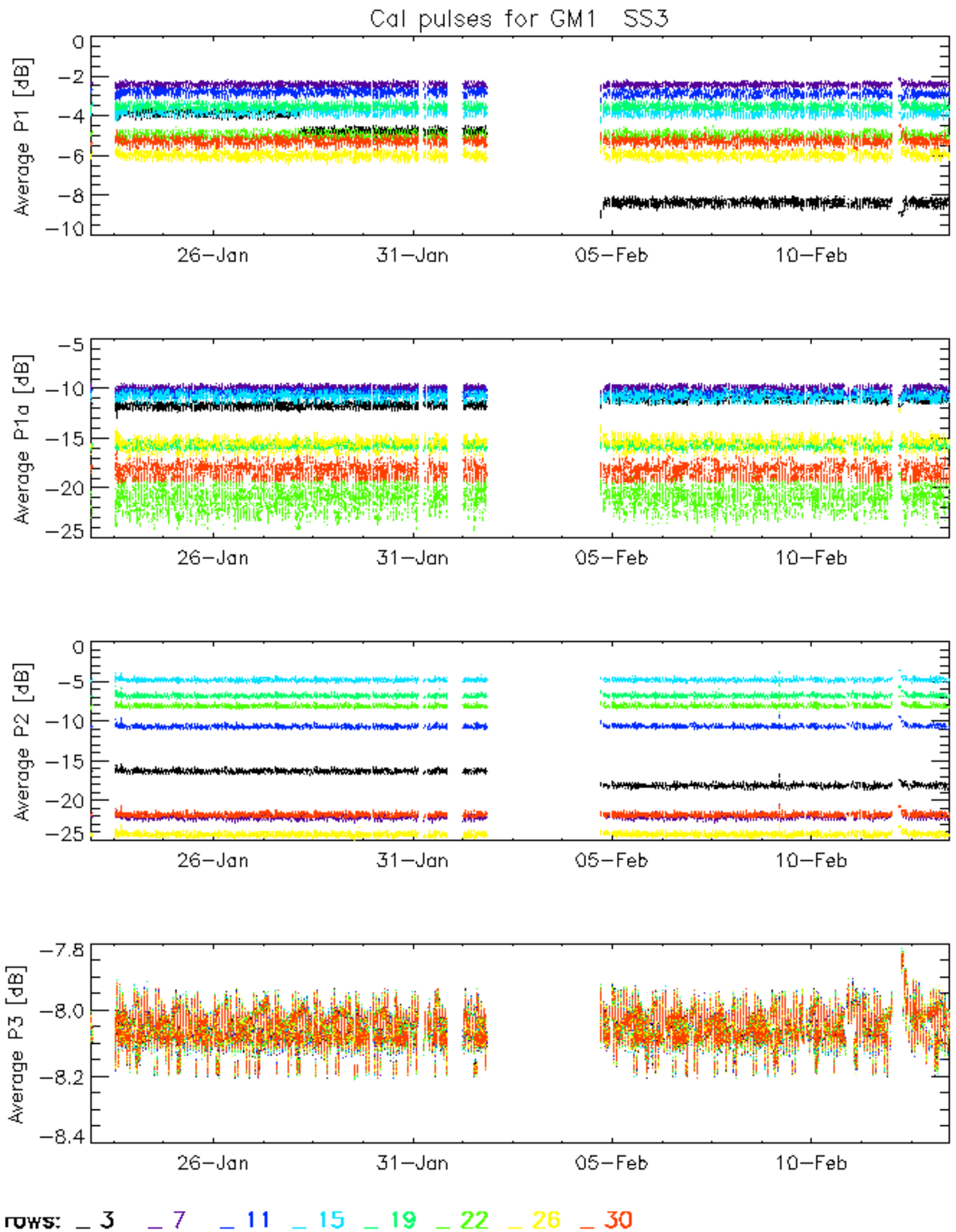
Acsending

Descending

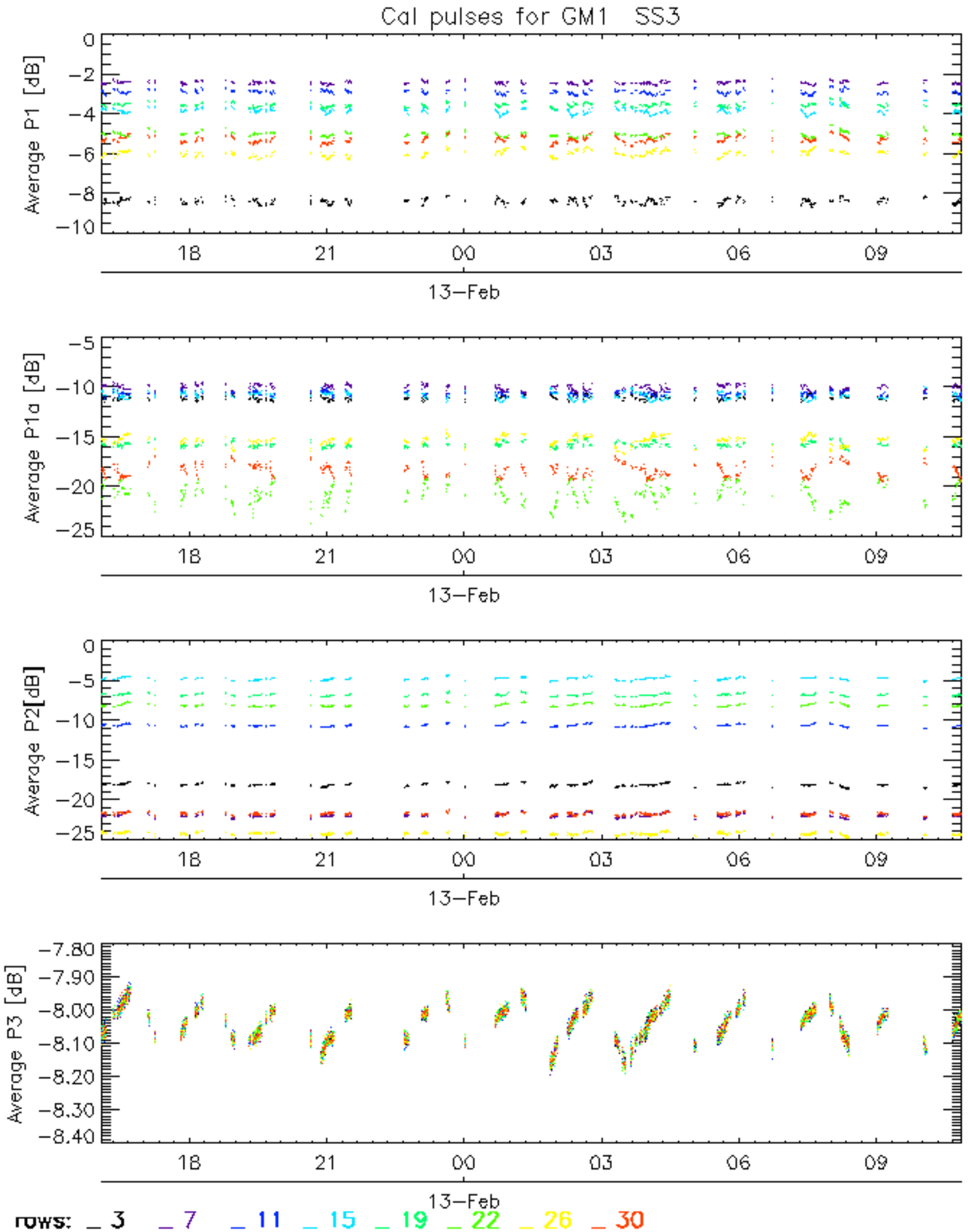
7.6 - Doppler evolution versus ANX for GM1

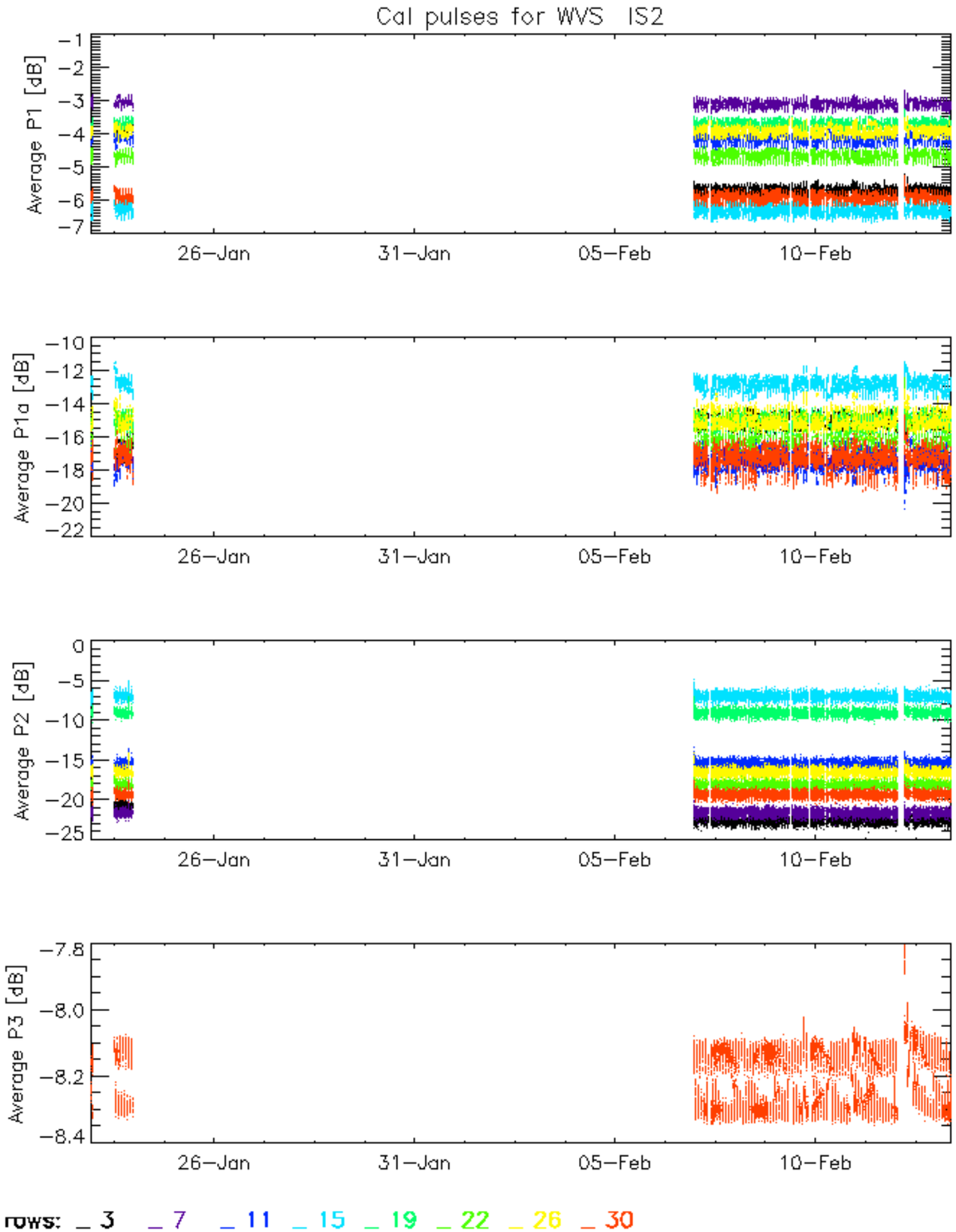
Evolution Doppler error versus ANX


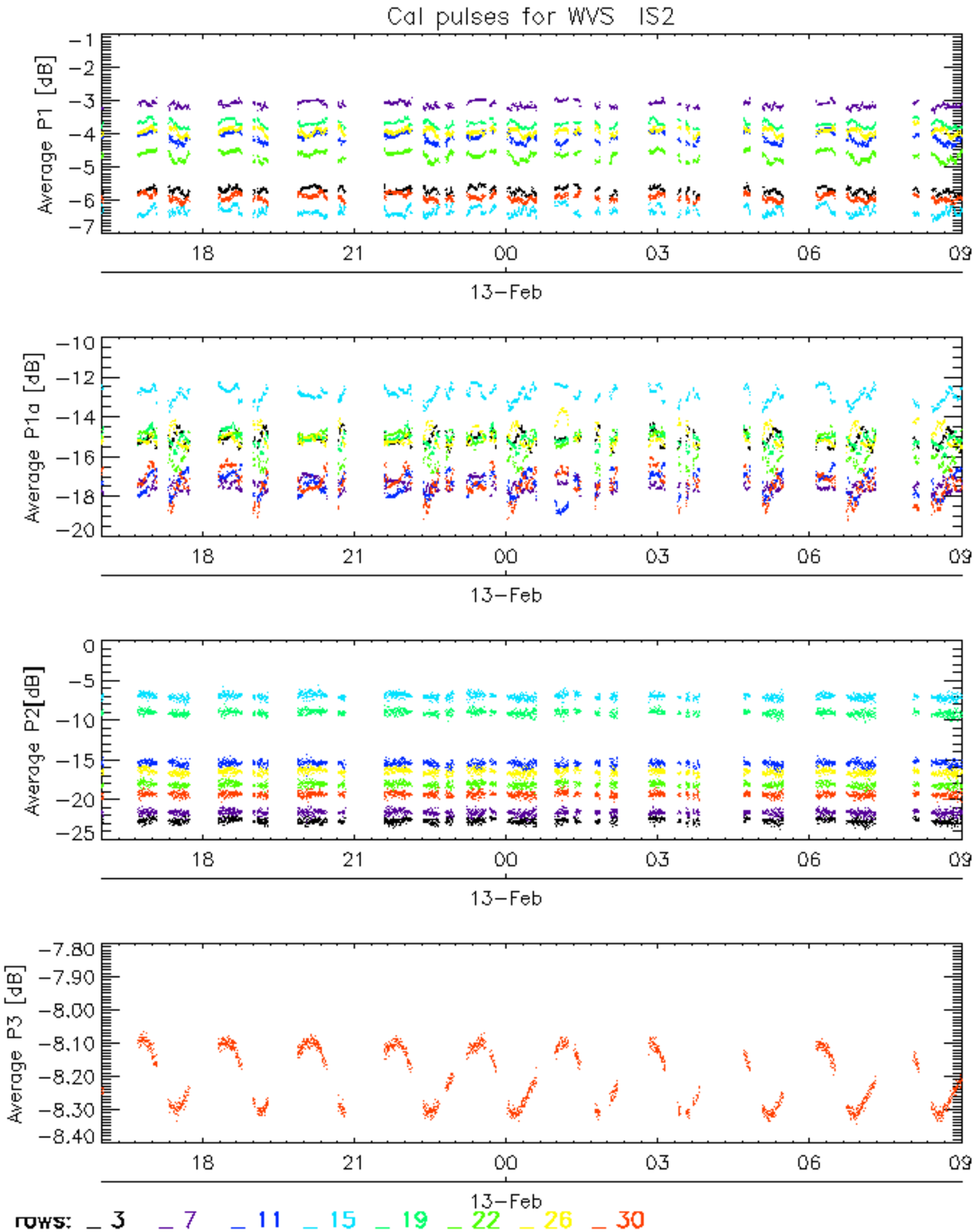

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
13−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
13−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
13−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
13−Feb
rows: 3 7 11 15 19 22 26 30


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


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

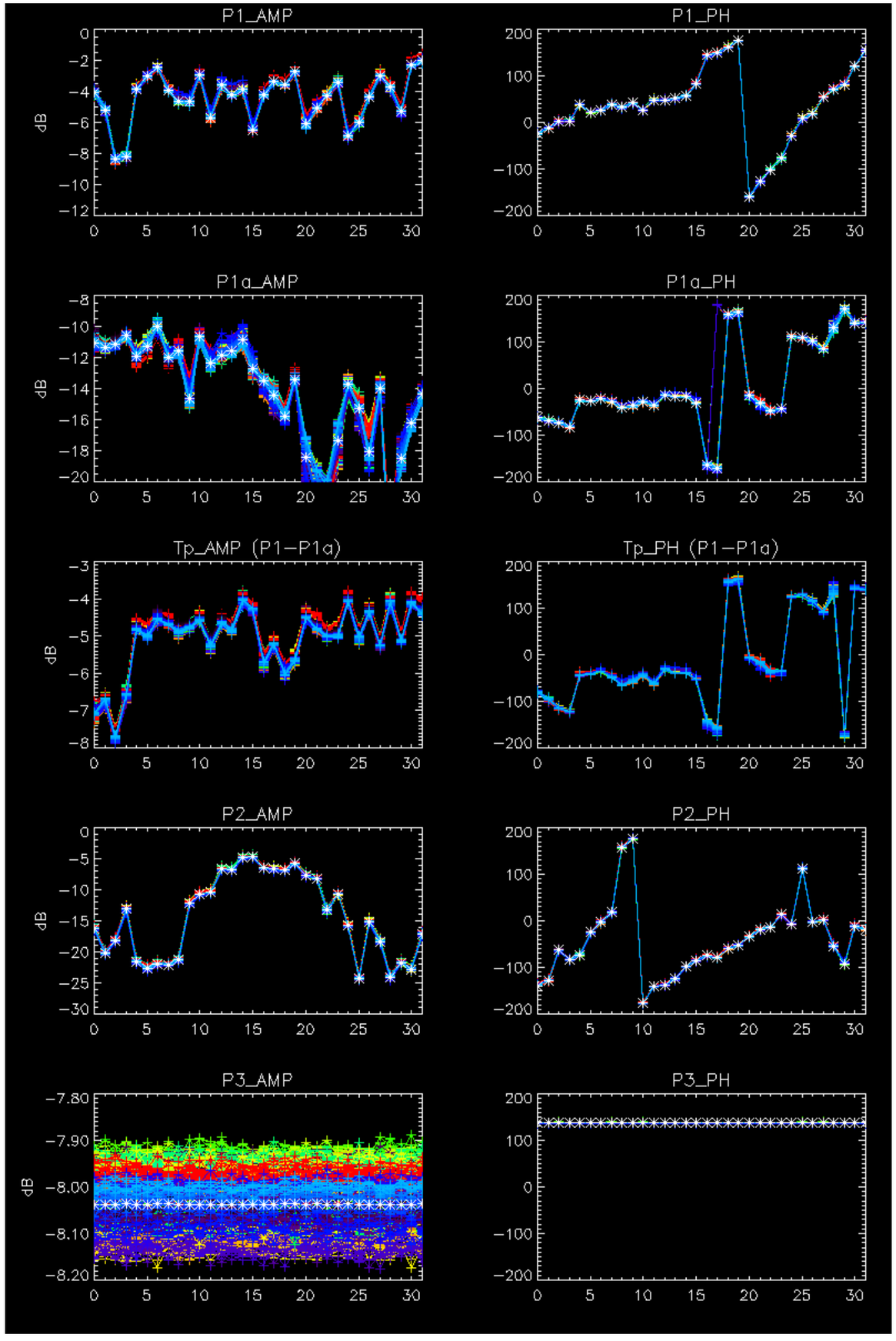

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
13−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
13−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
13−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
13−Feb
rows: _ 3 _ 7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

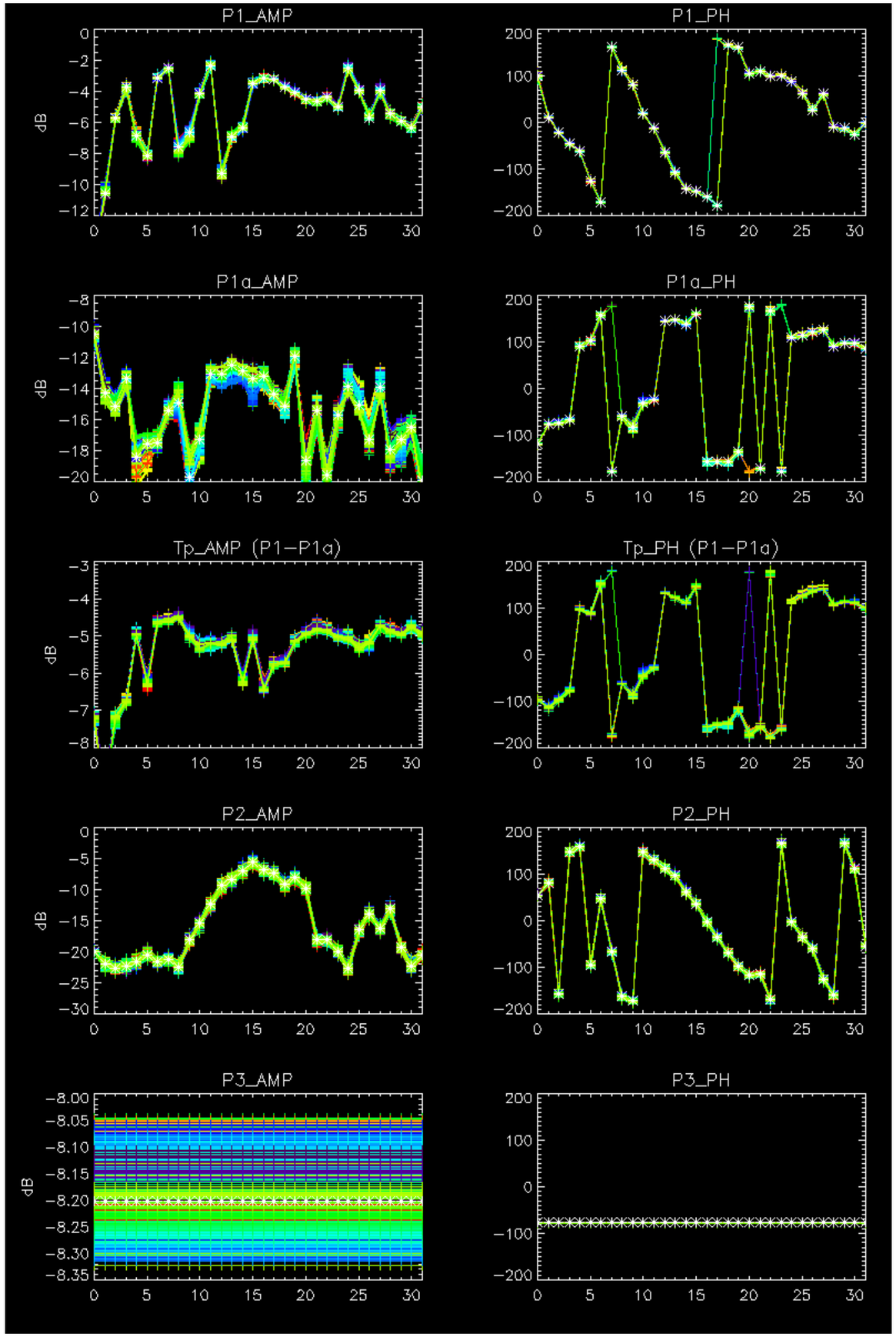

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
26−Jan
31−Jan
05−Feb
10−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
26−Jan
31−Jan
05−Feb
10−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
10−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
10−Feb
rows: _ 3 _ 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
09
13−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
13−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
13−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
13−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

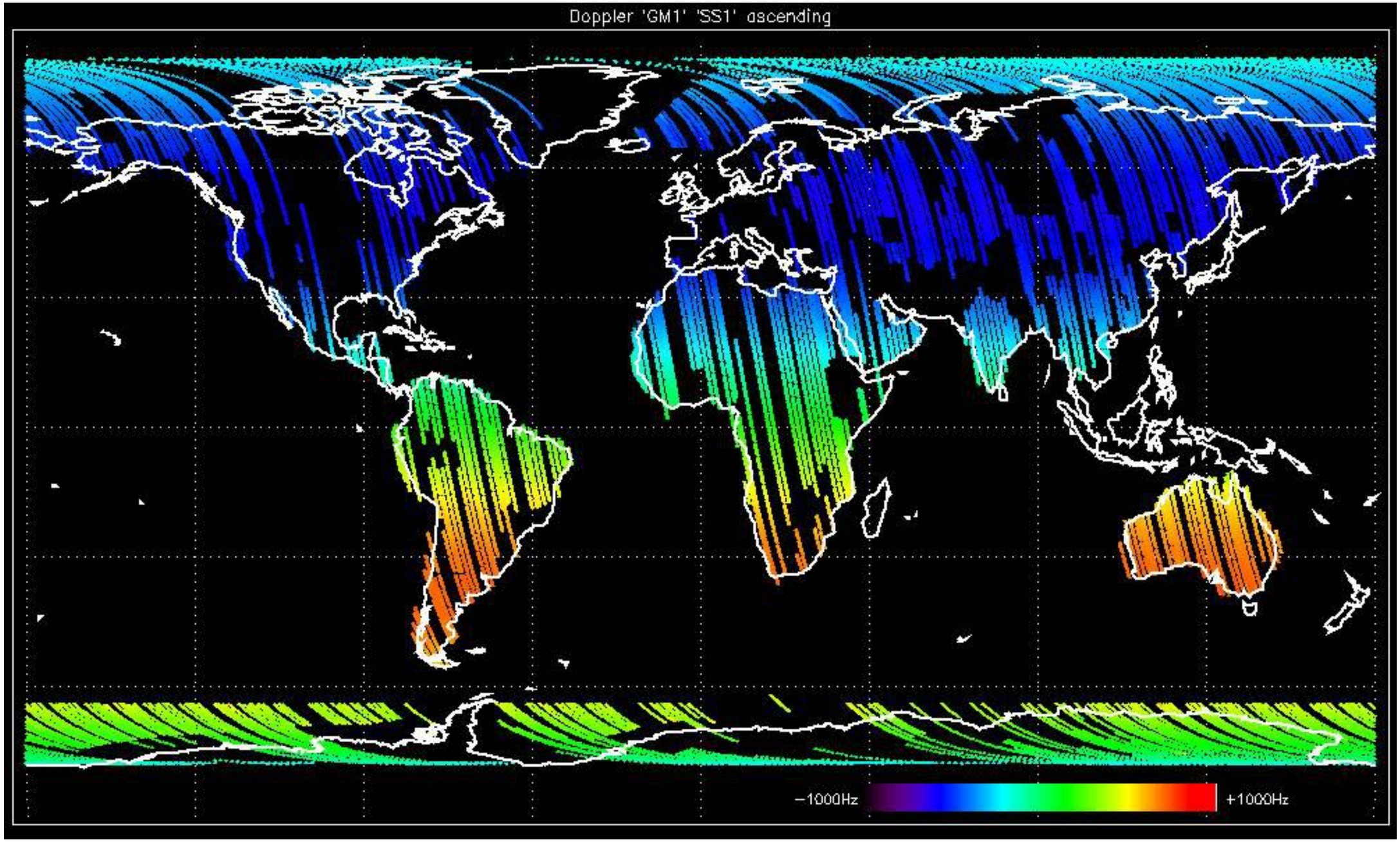
No anomalies observed.

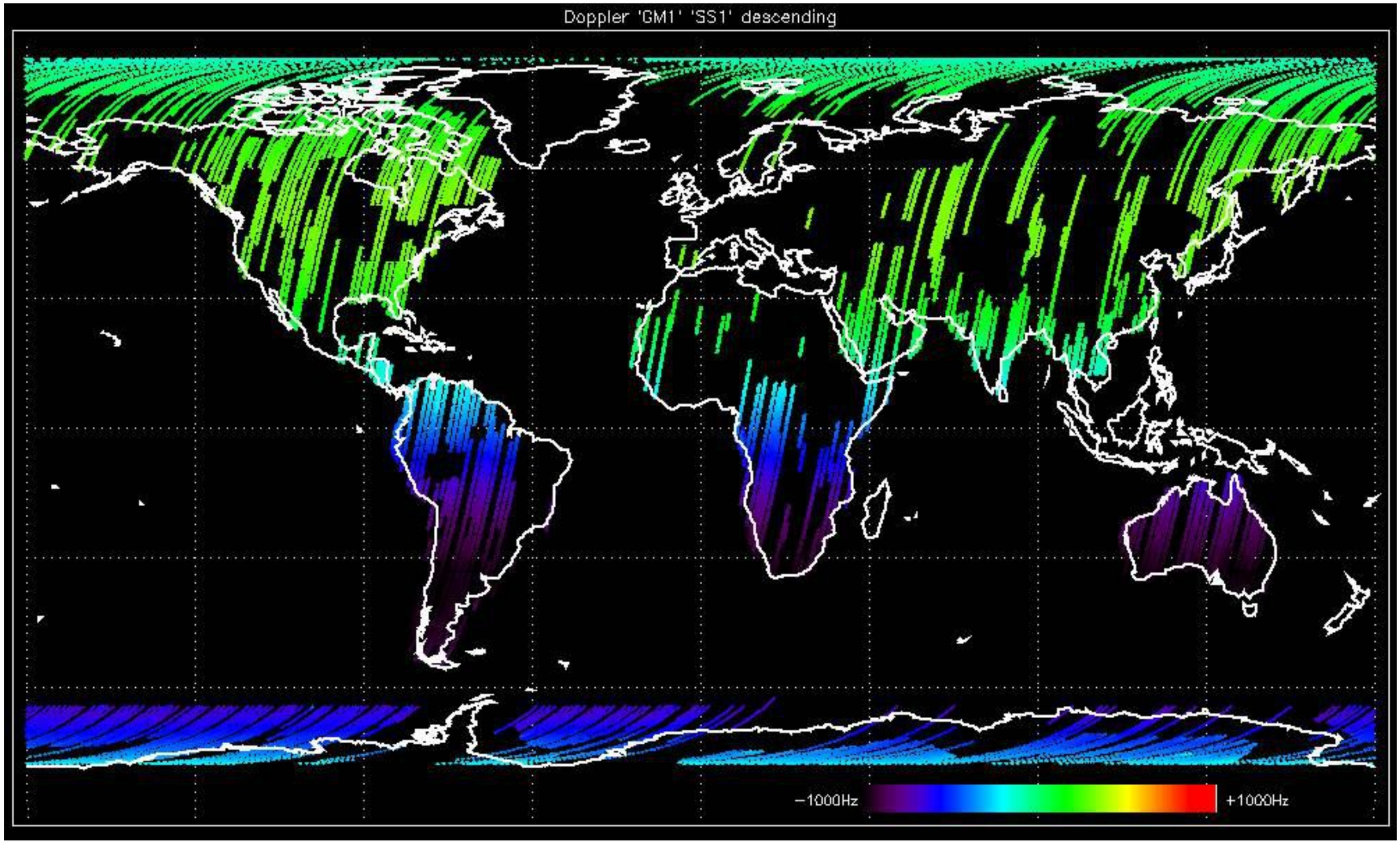

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

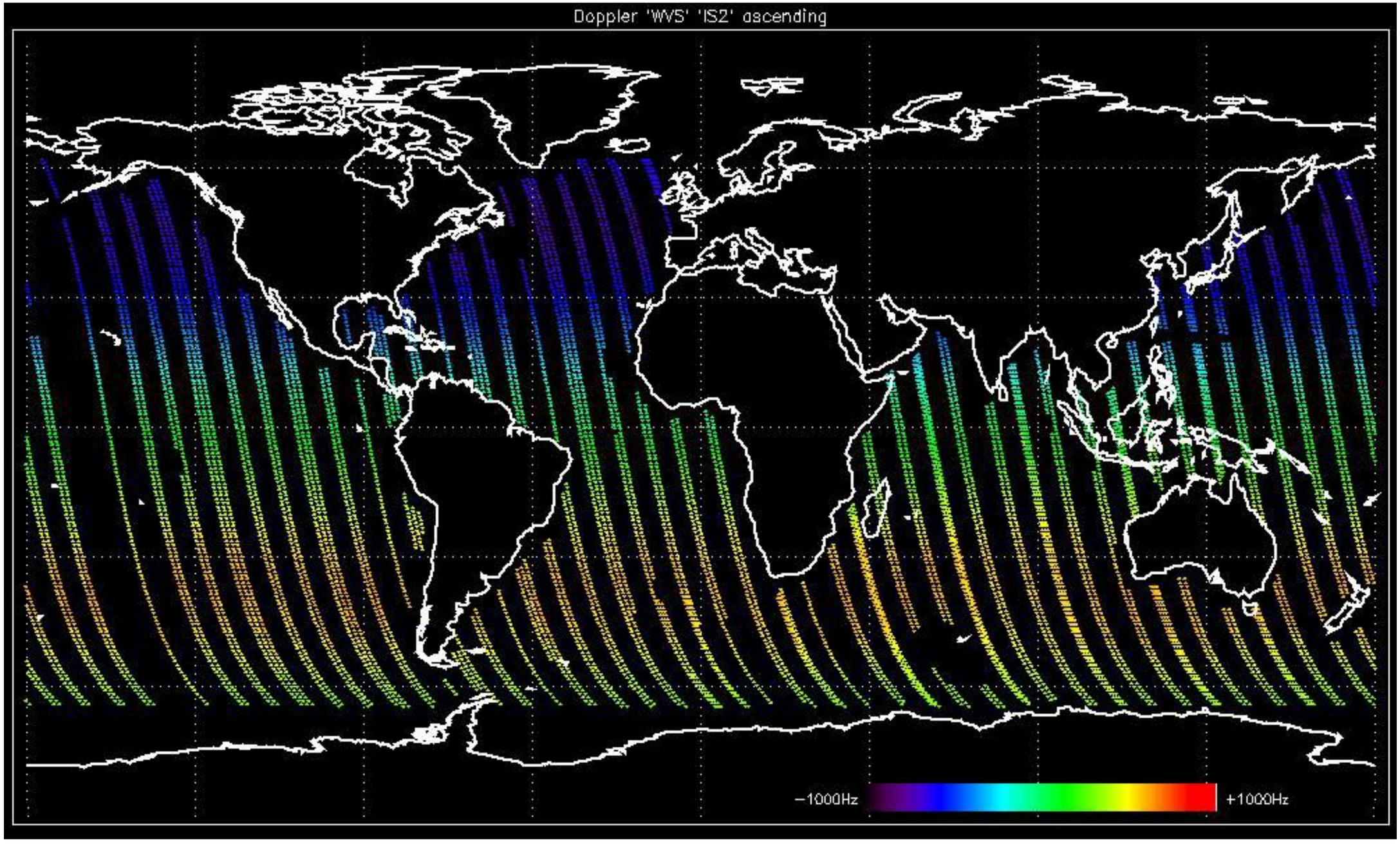

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

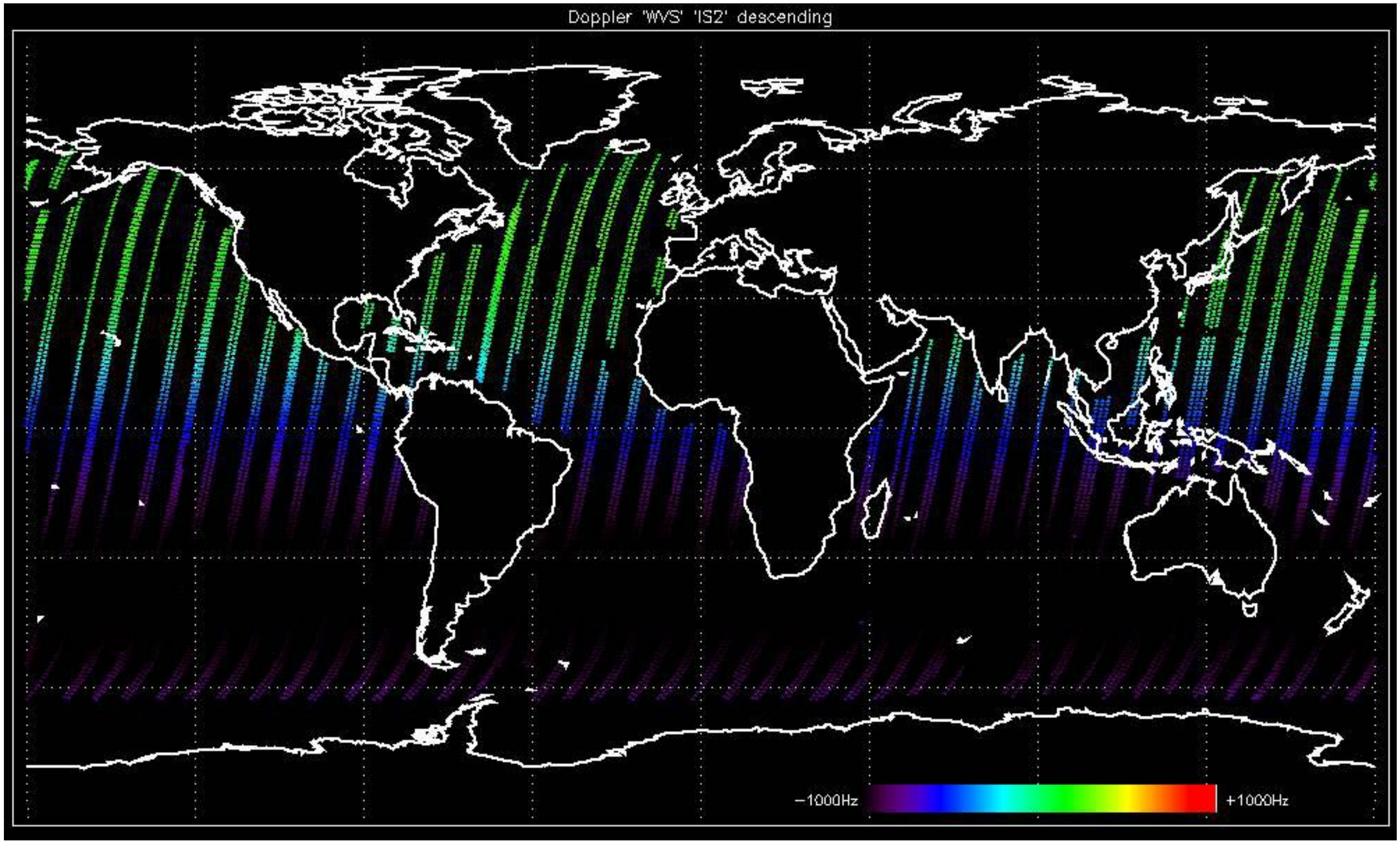
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

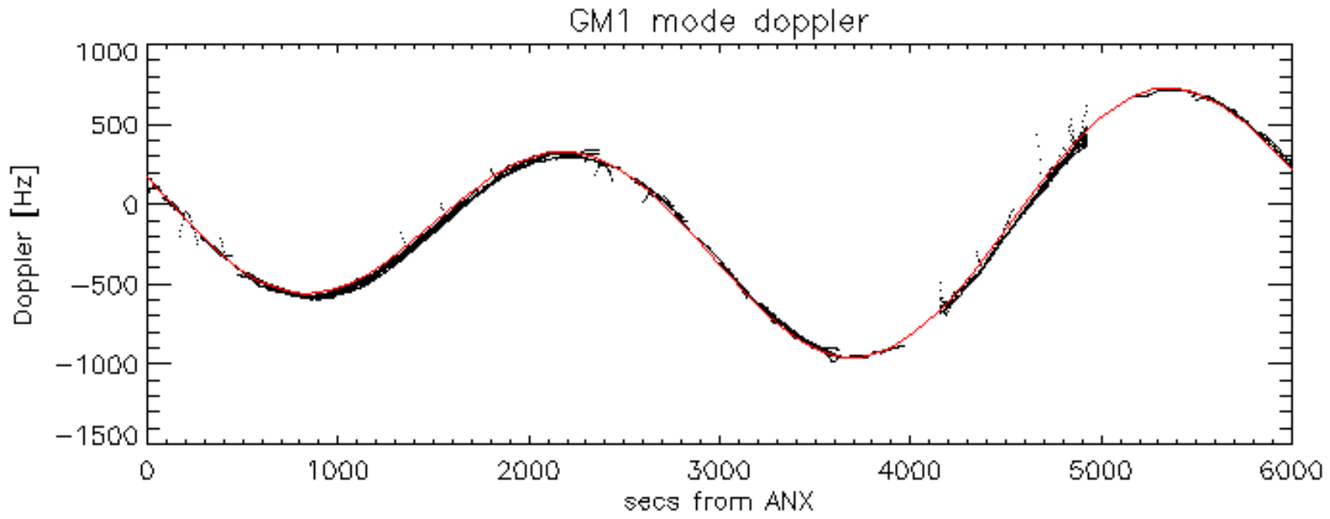
Preliminary report.The data is not yet controled

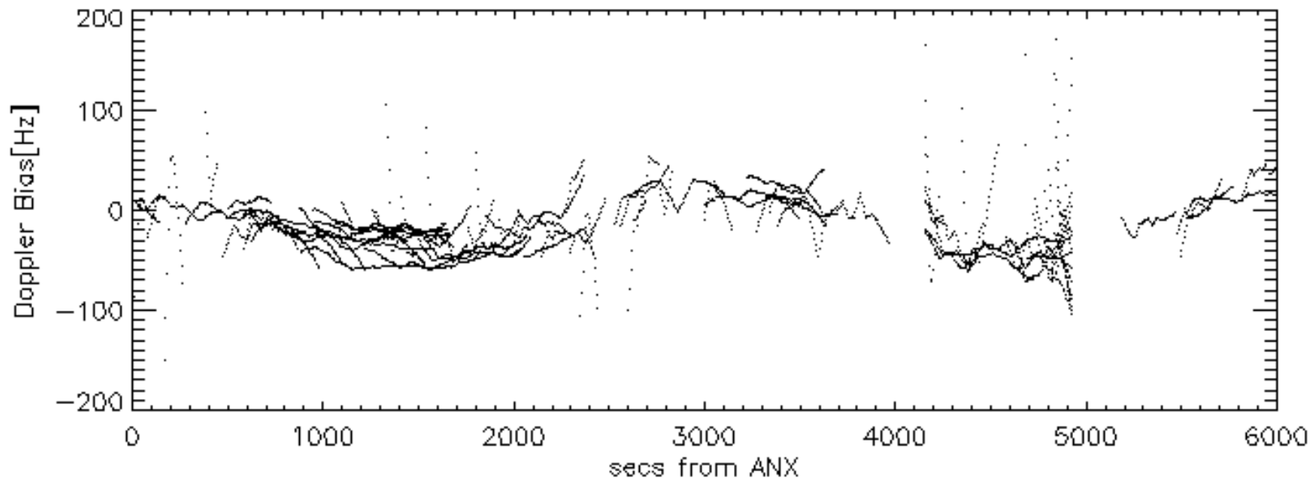

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

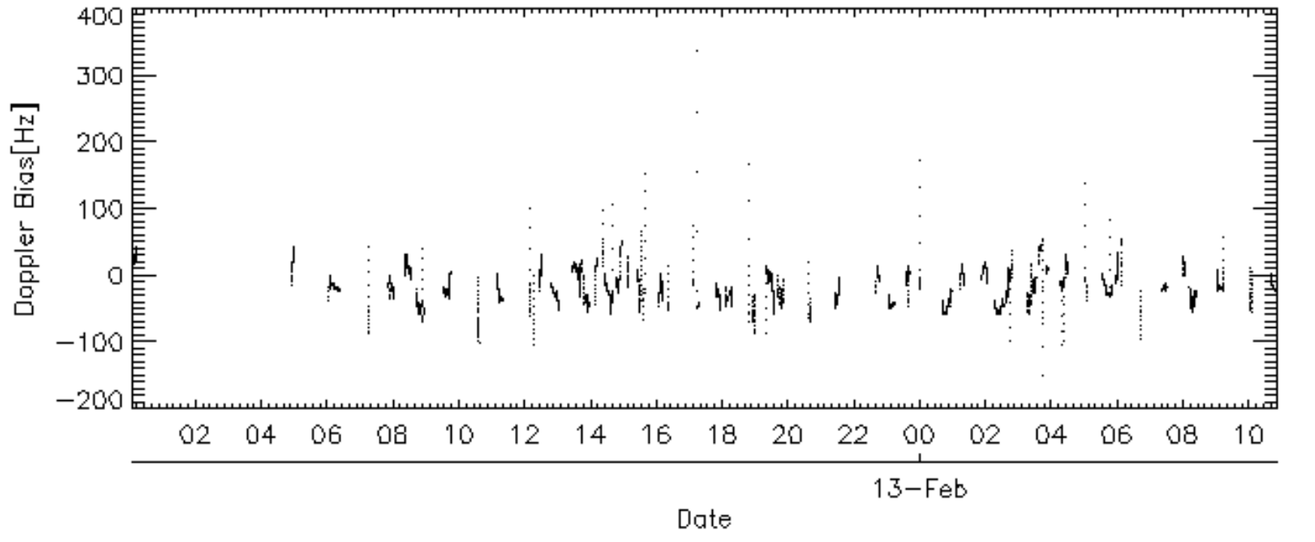

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

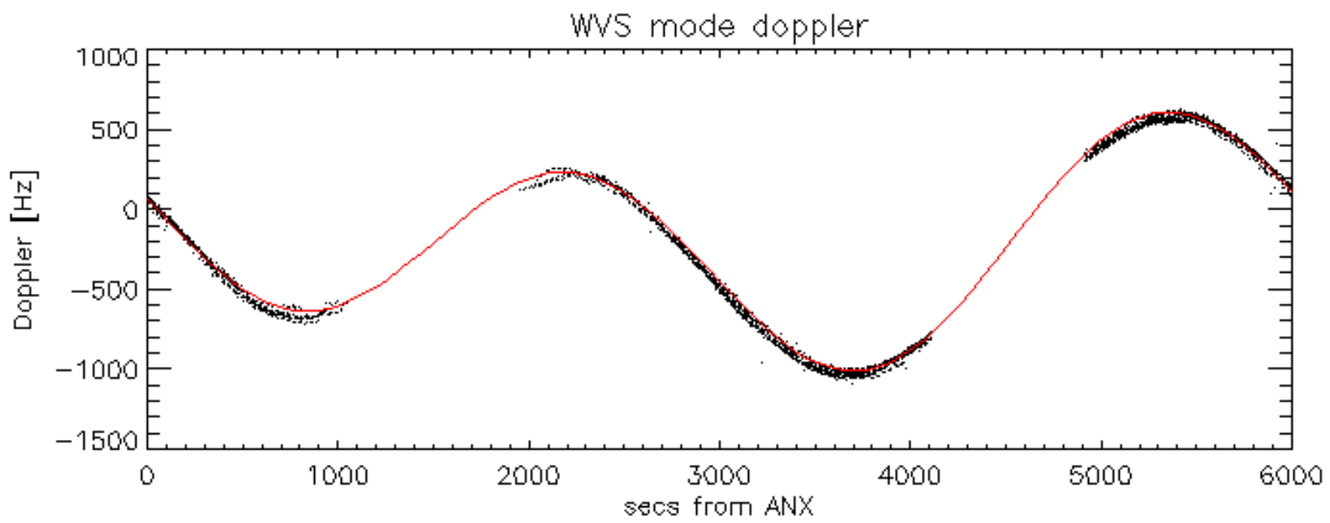

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

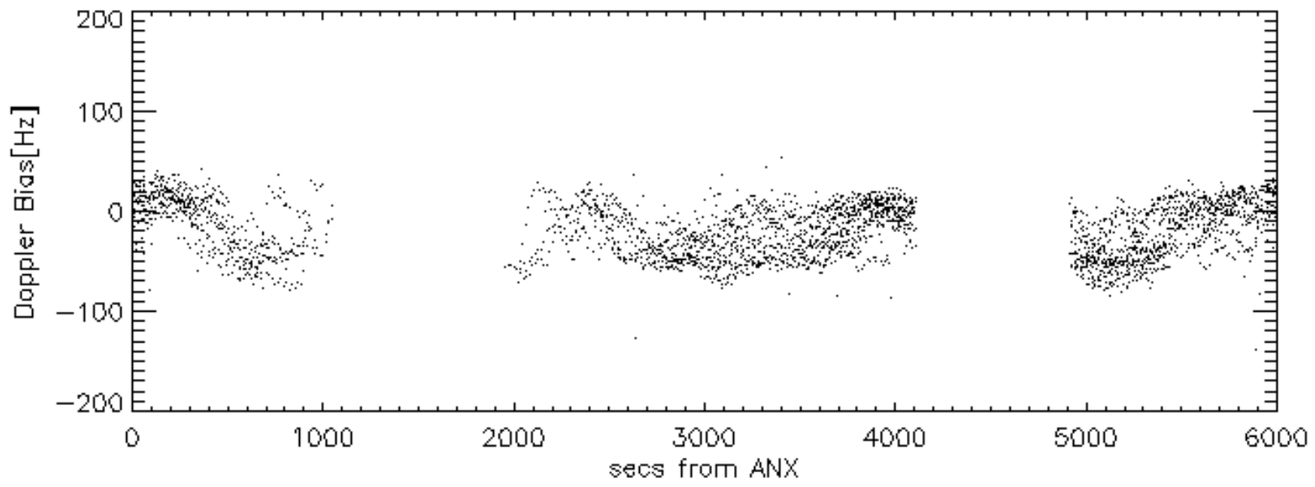

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

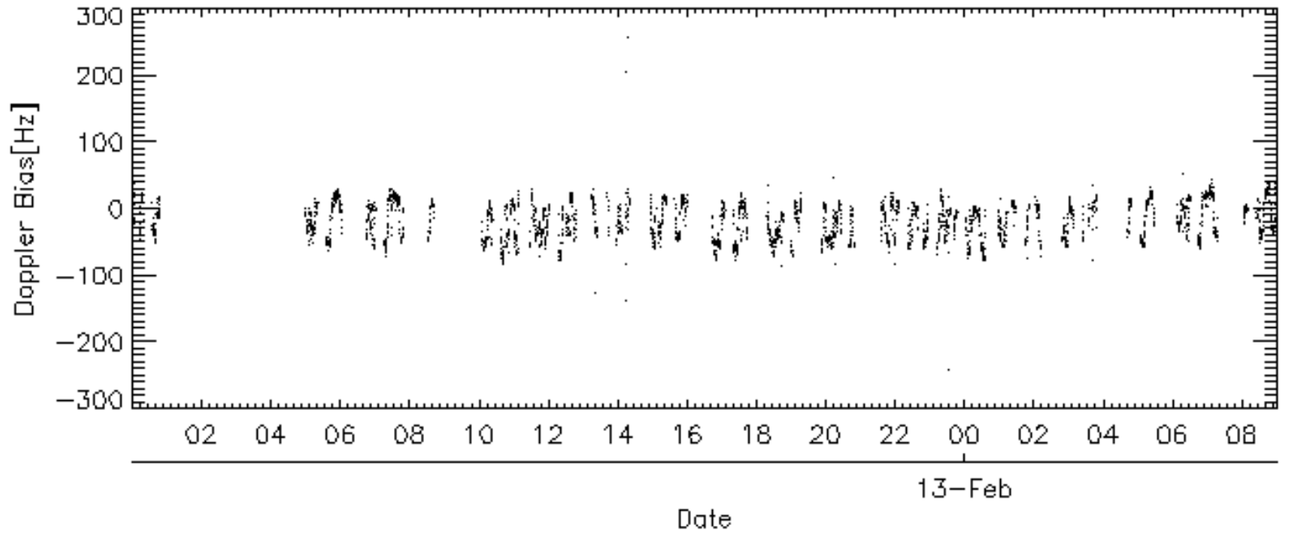

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

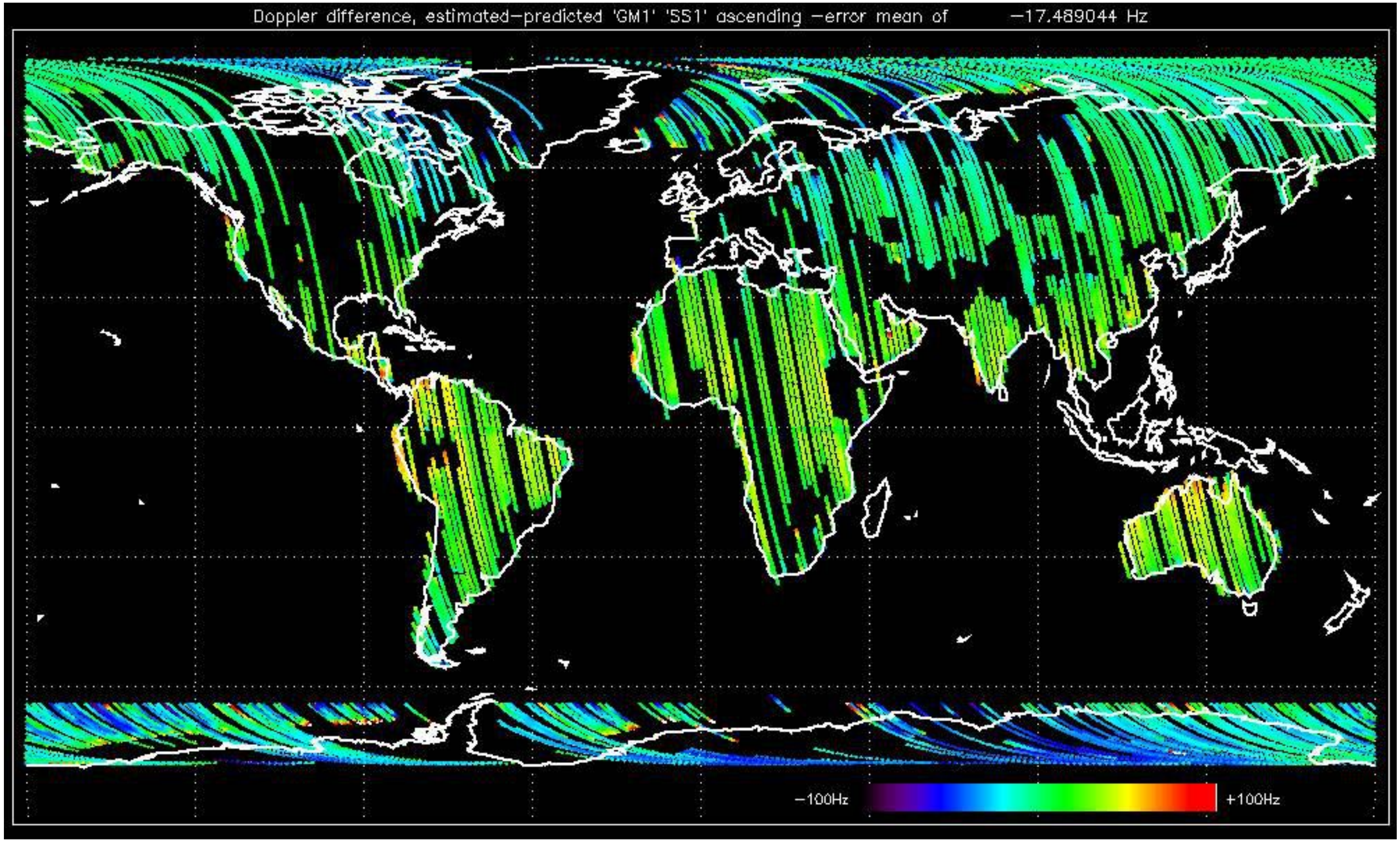

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

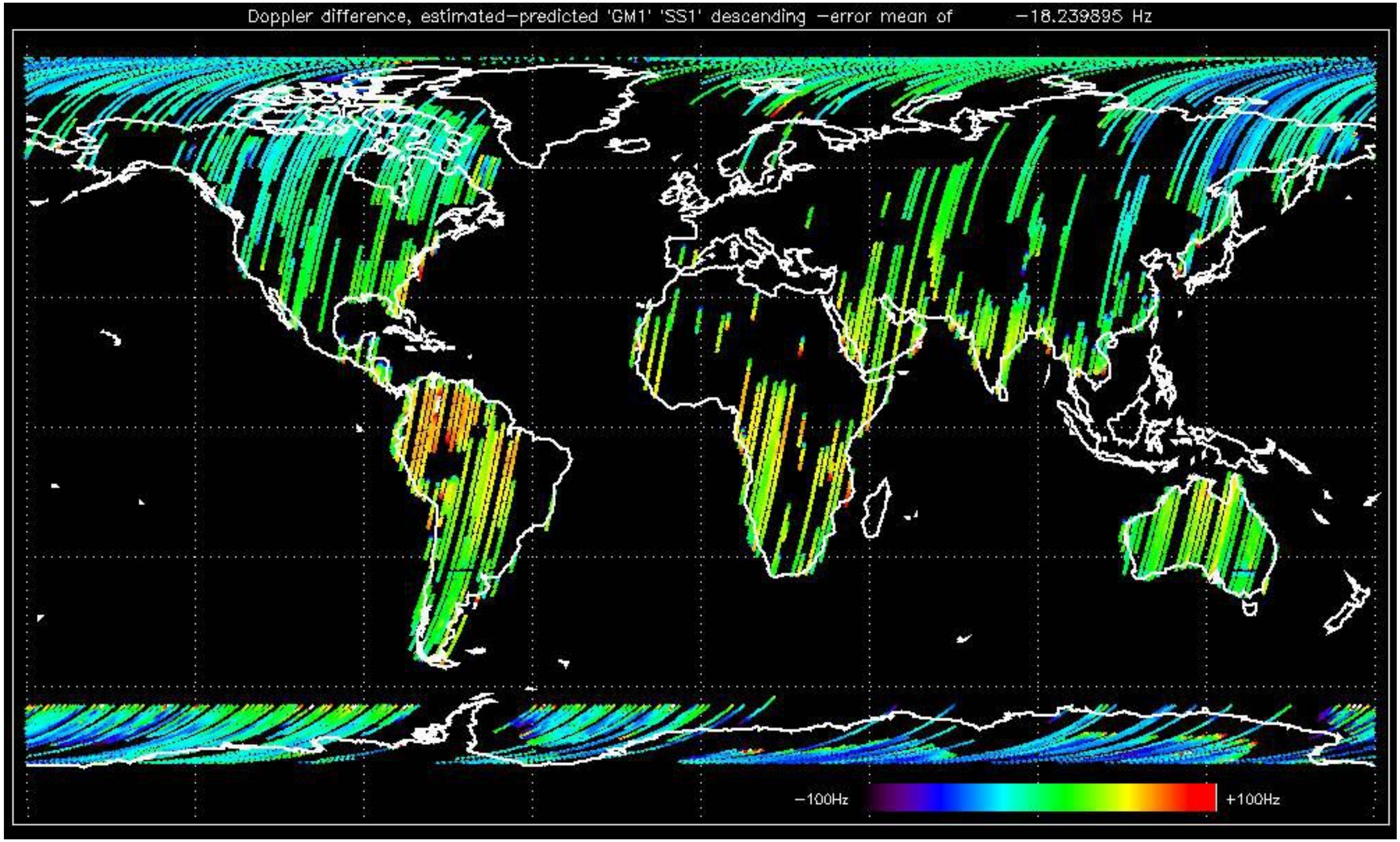

Doppler Bias[Hz]
400
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
13−Feb
Date

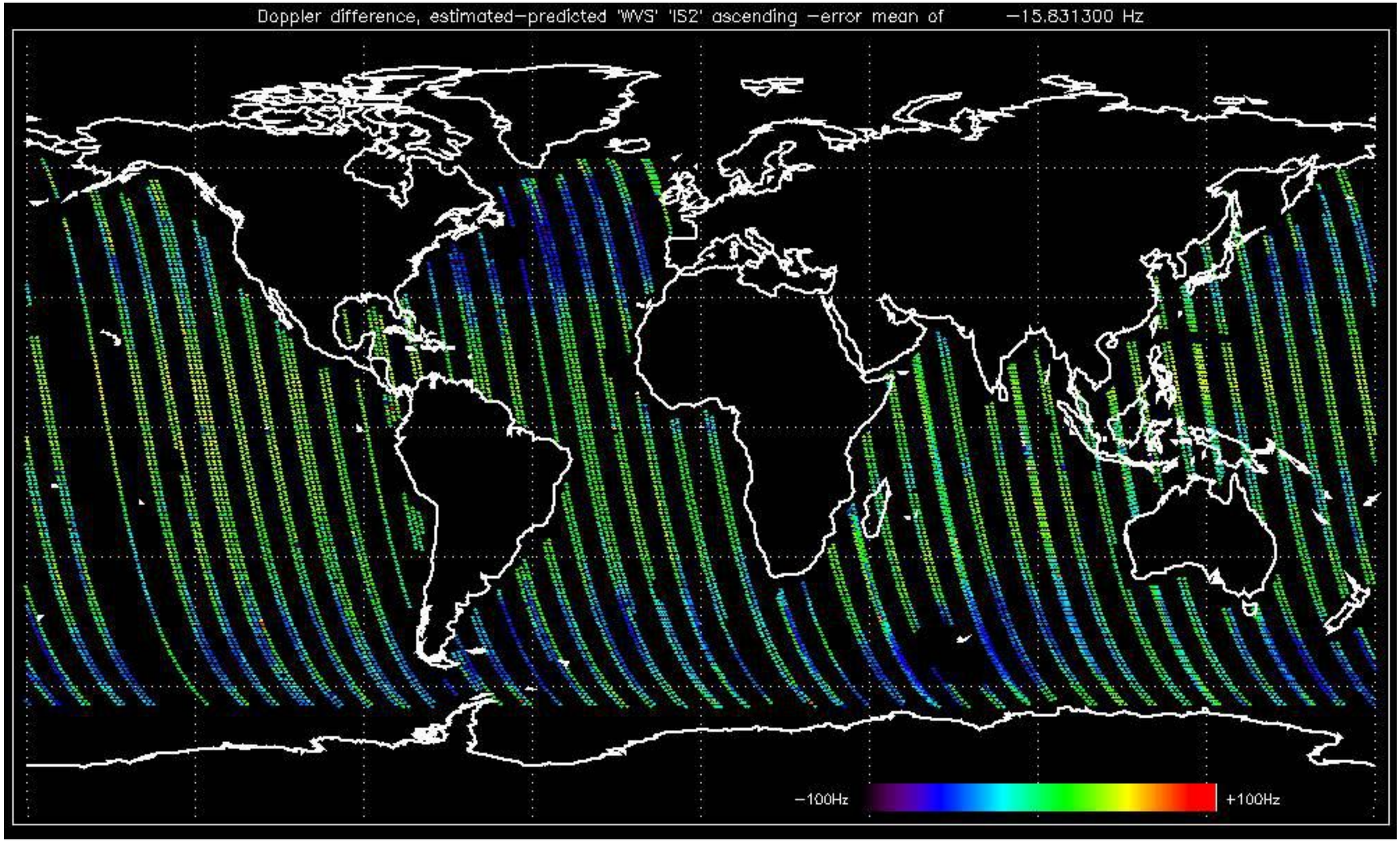

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

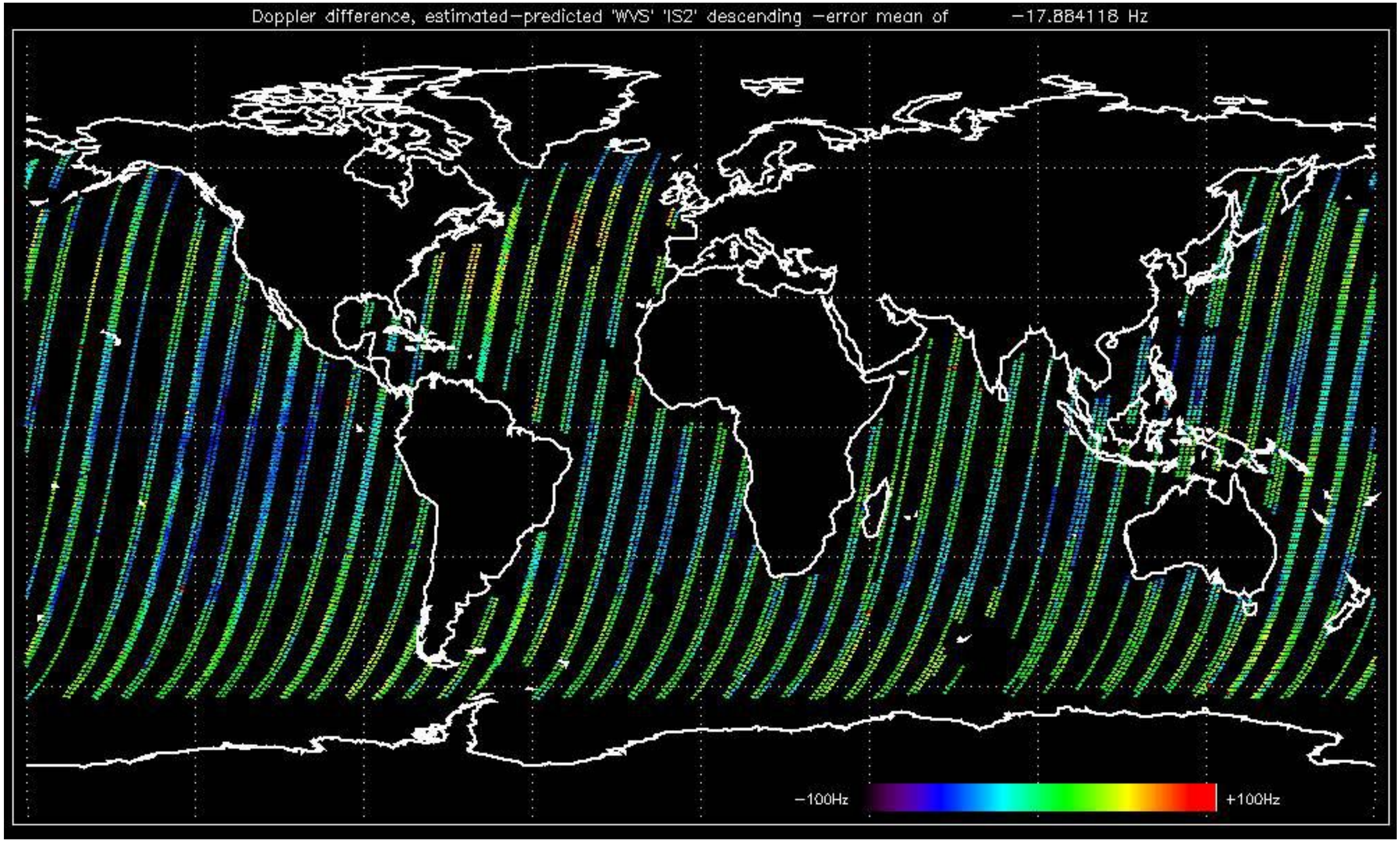

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
13−Feb
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.489044 Hz
−100Hz
+100Hz

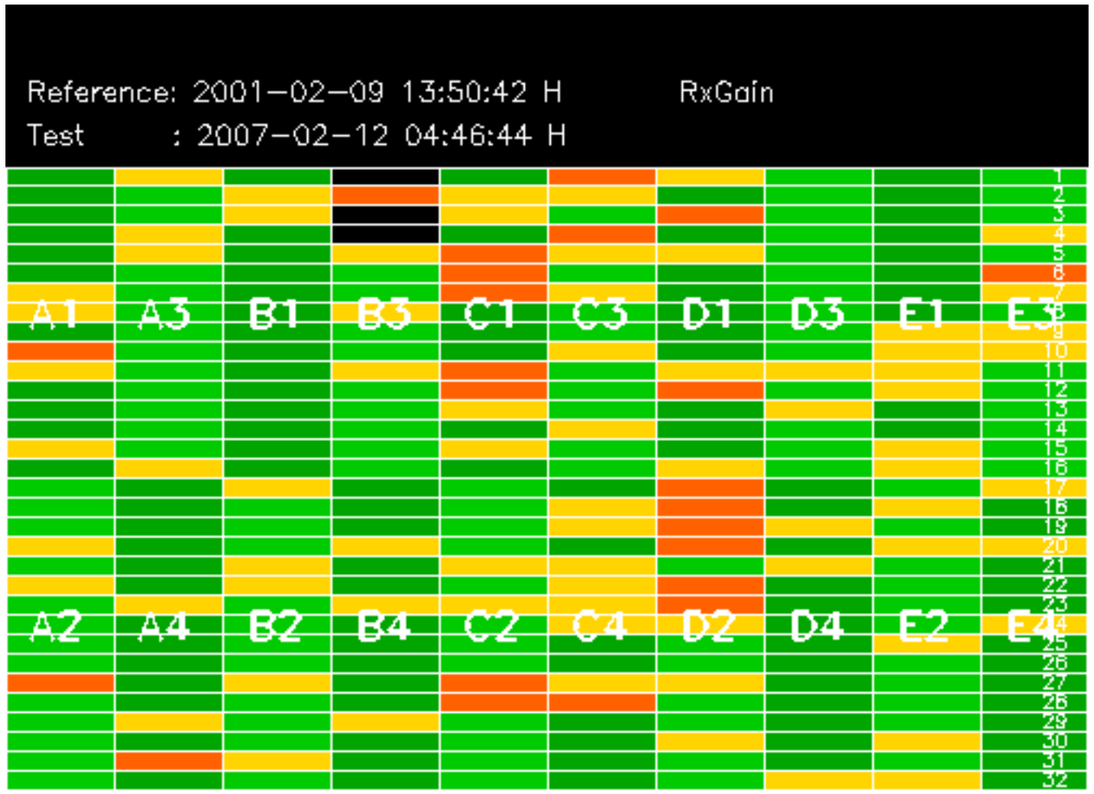

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.239895 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.831300 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −17.884118 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-02-12 04:46:44 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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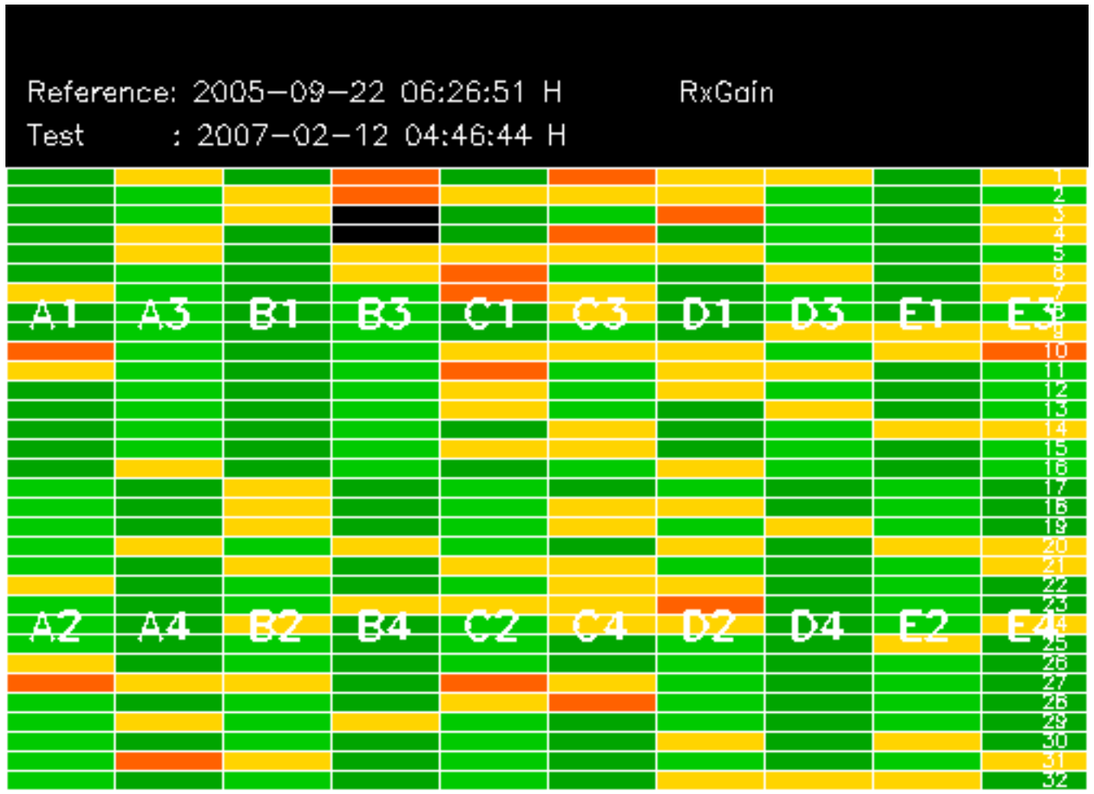
Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-02-12 04:46:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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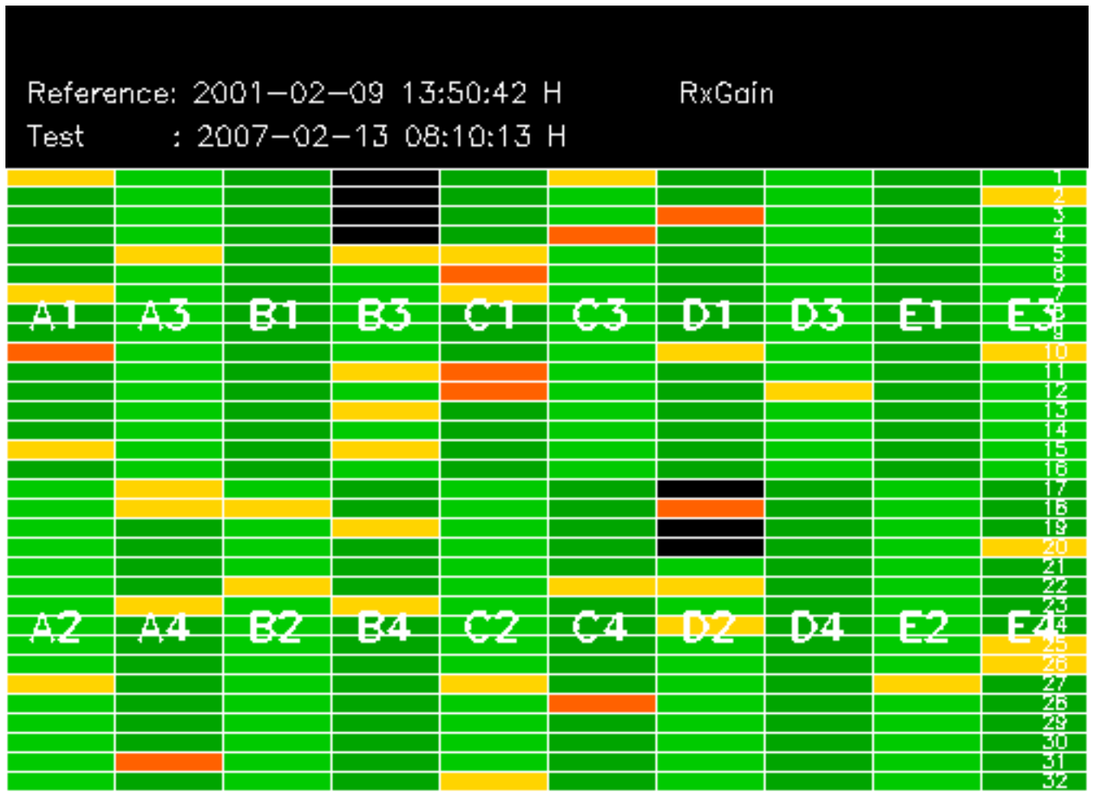
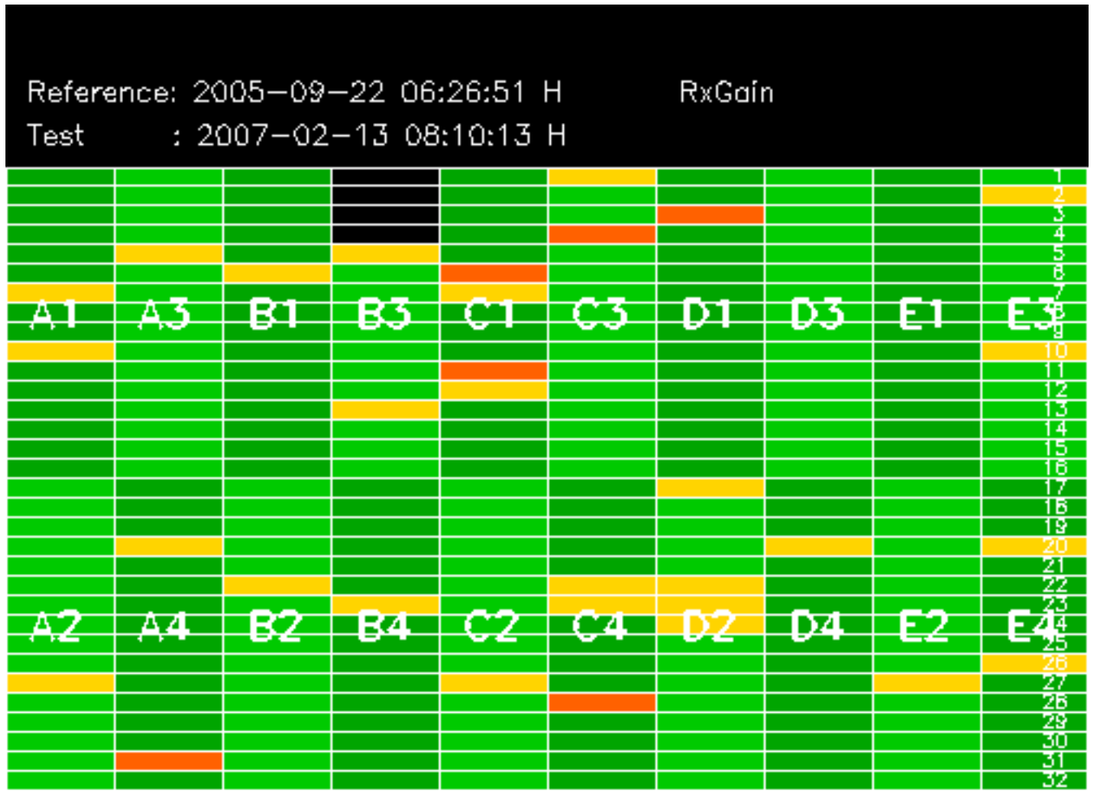
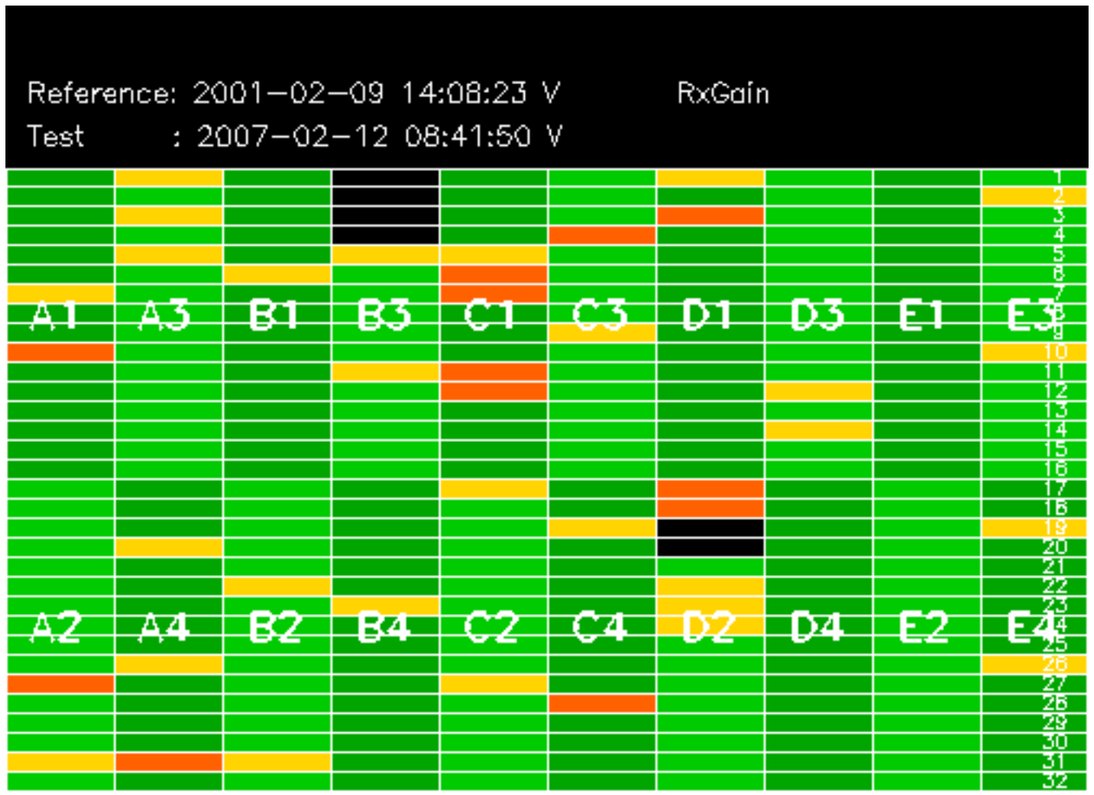
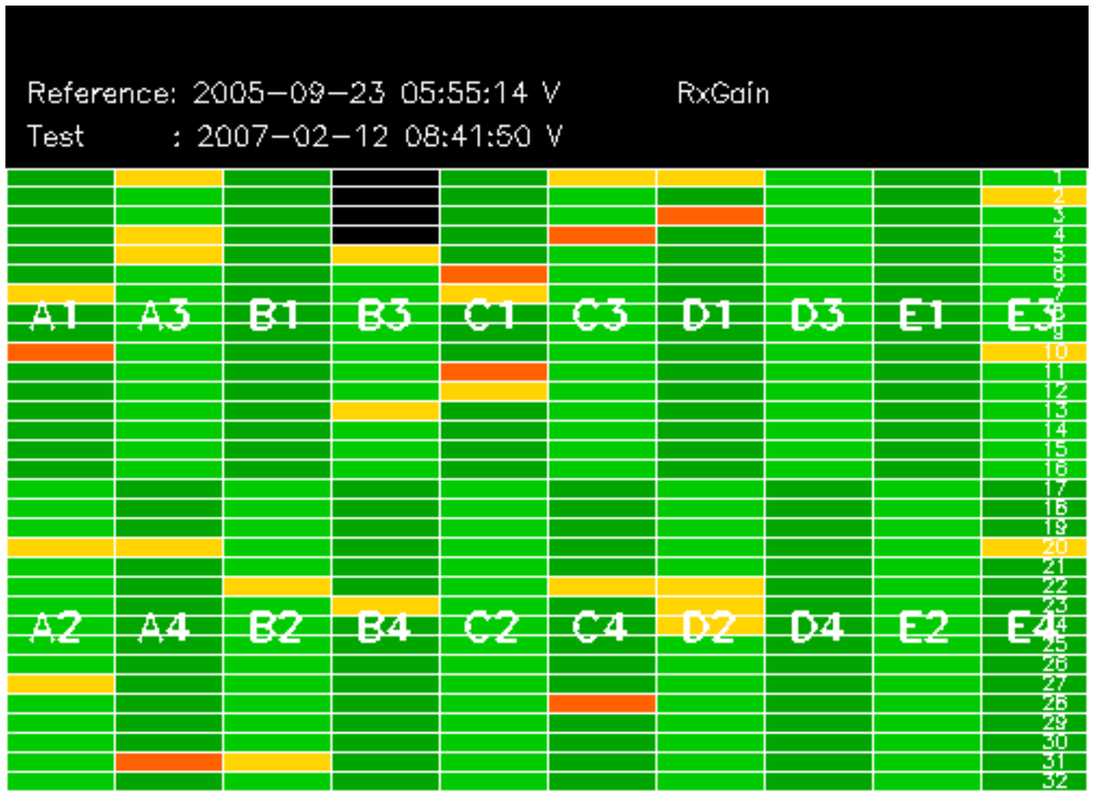

Reference: 2001-02-09 13:50:42 H
Test : 2007-02-13 08:10:13 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-02-13 08:10:13 H
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 14:08:23 V
Test : 2007-02-12 08:41:50 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-12 08:41:50 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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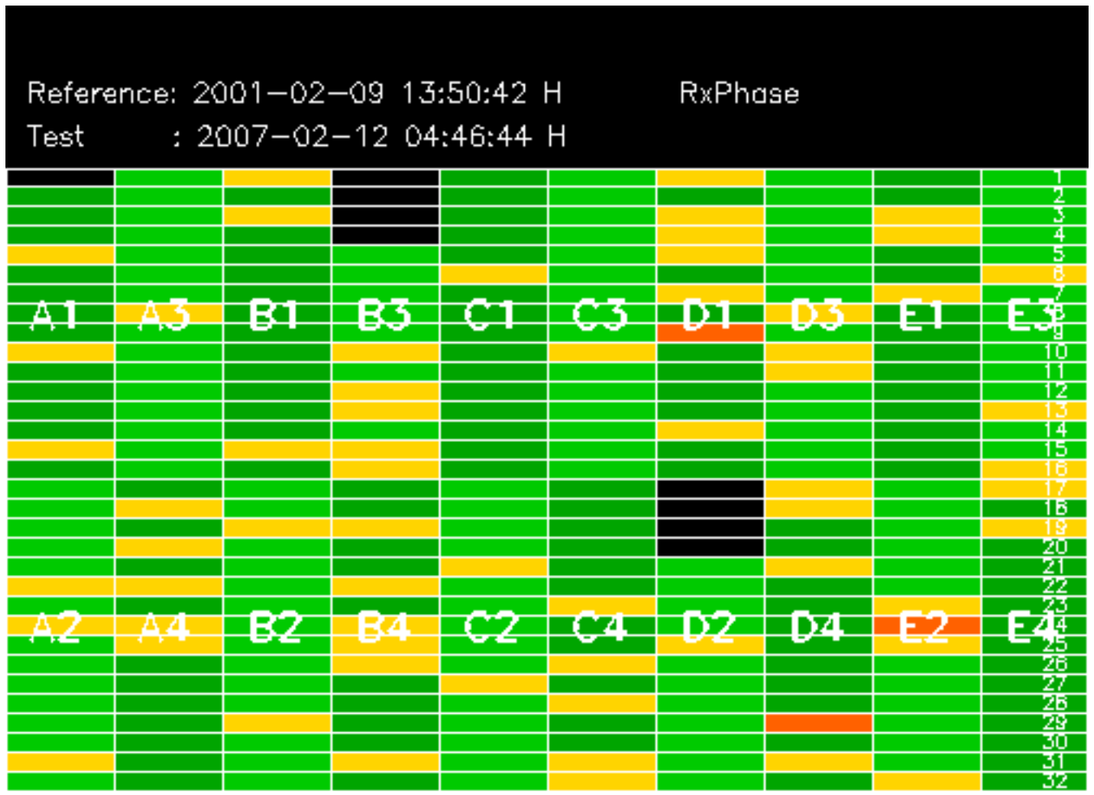
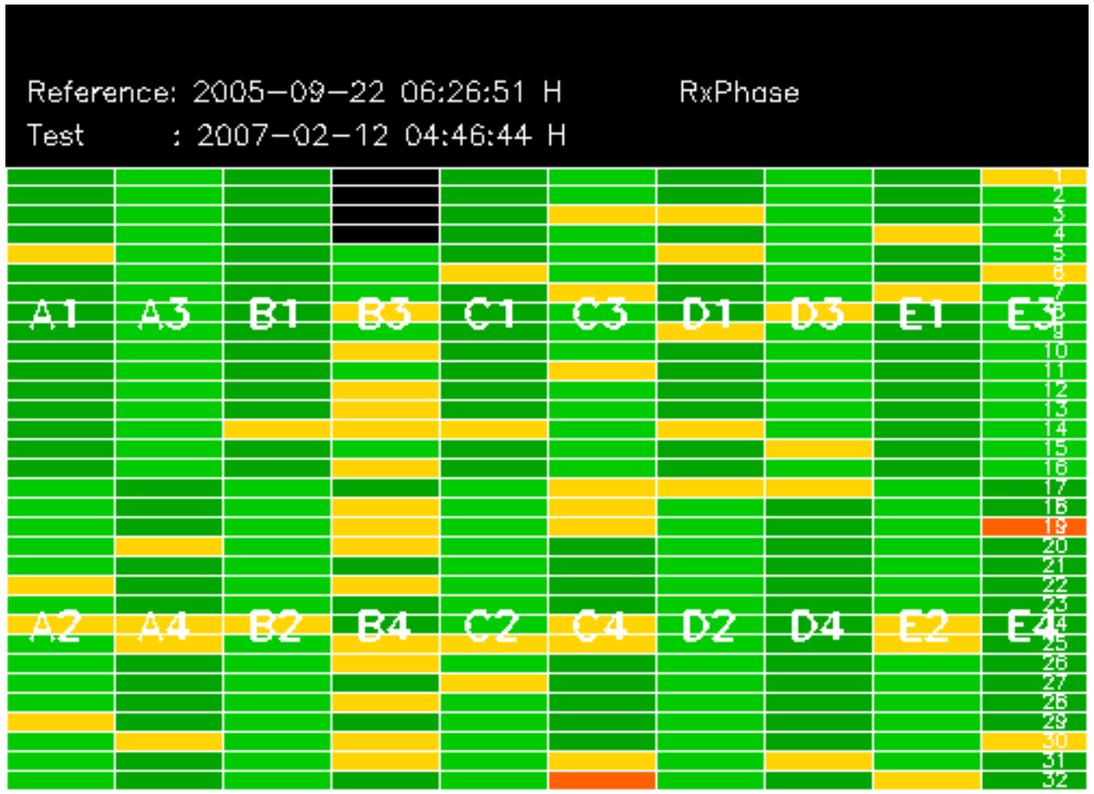

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-12 04:46:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-02-12 04:46:44 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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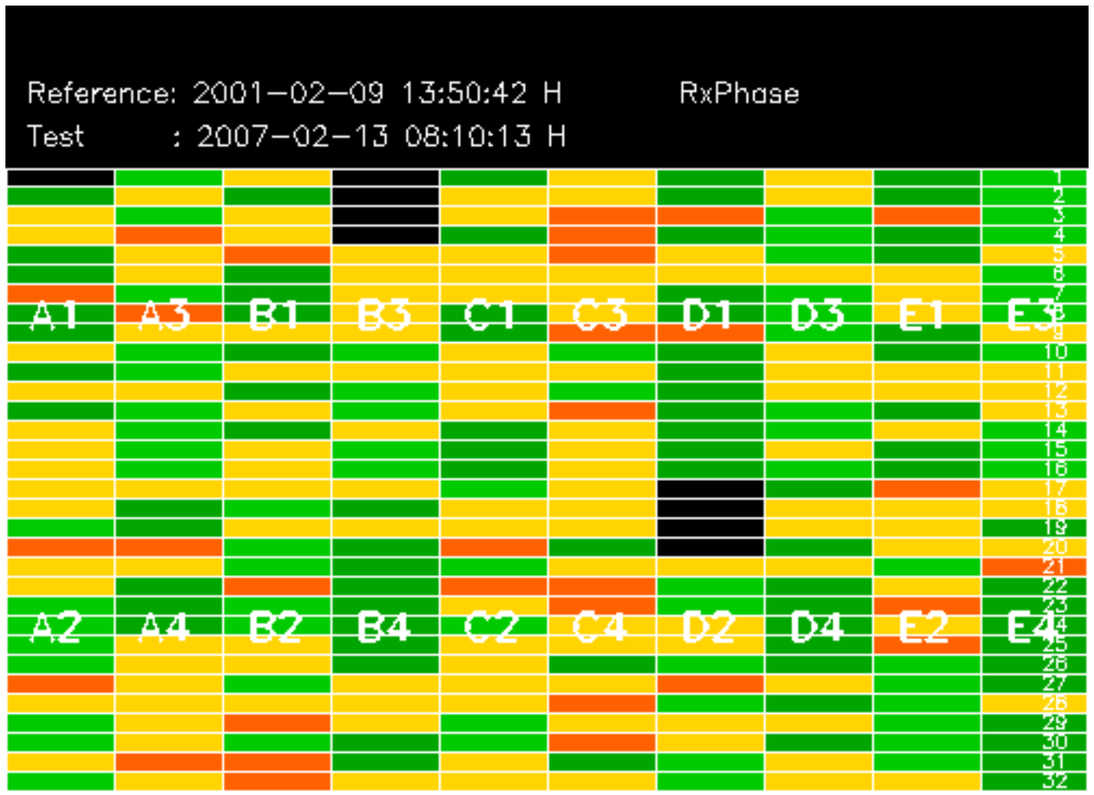
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-13 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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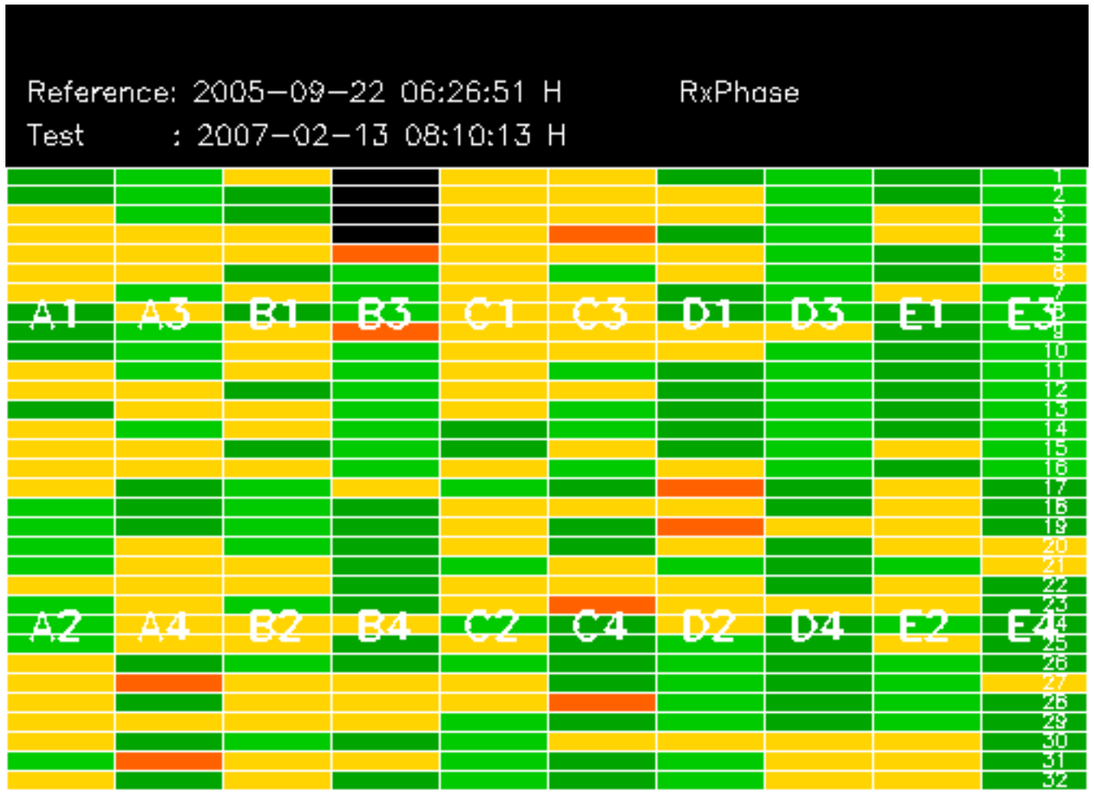
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-13 08:10:13 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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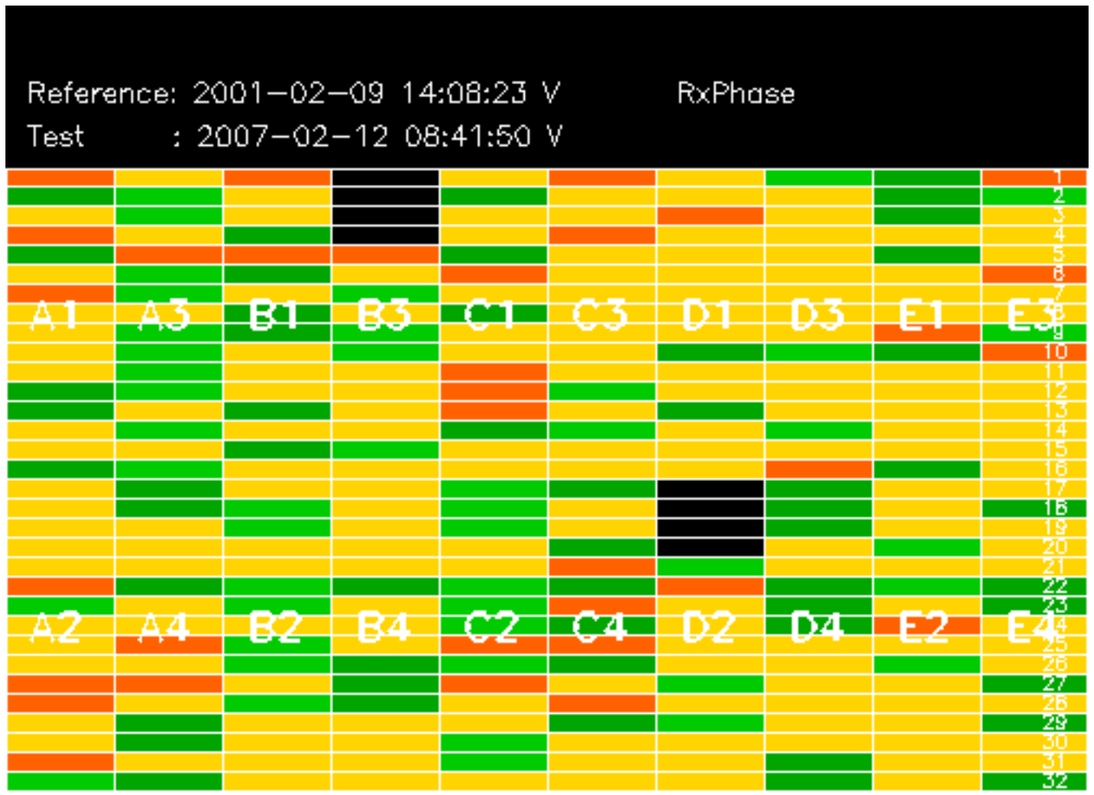
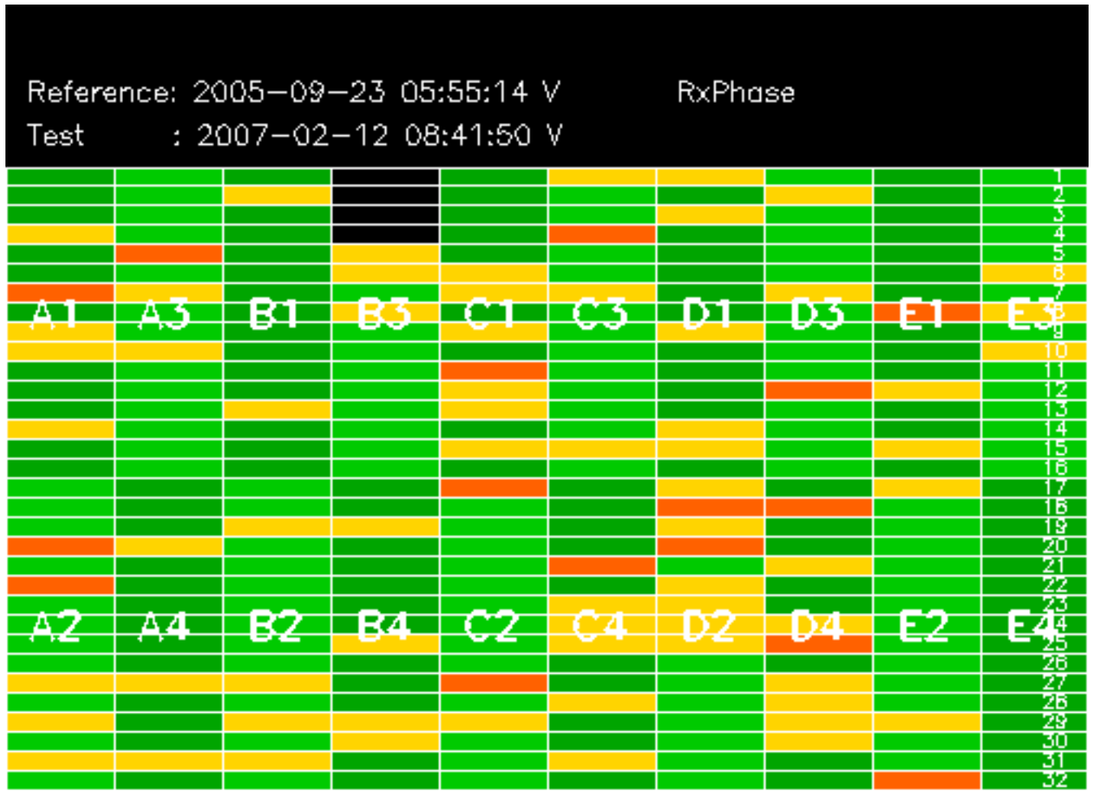

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-12 08:41:50 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
RxPhase
Test : 2007-02-12 08:41:50 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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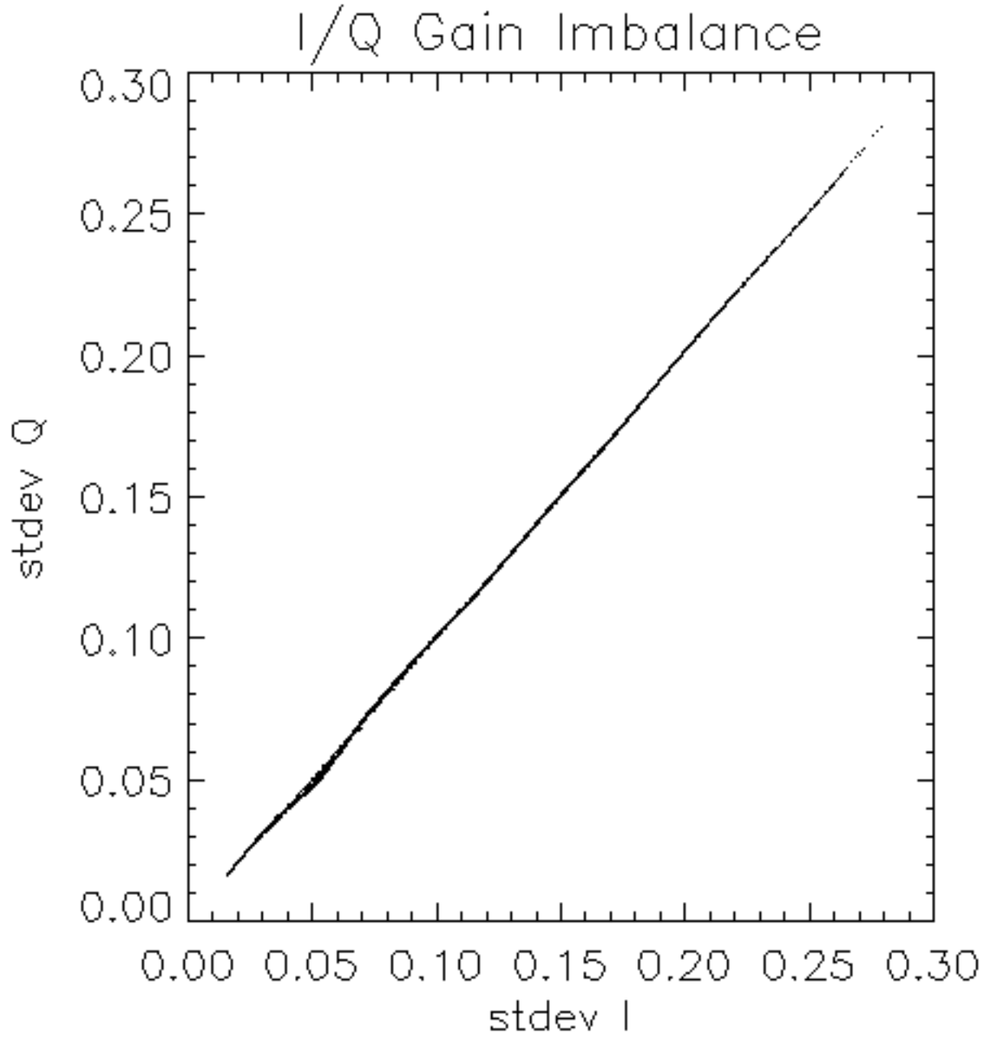
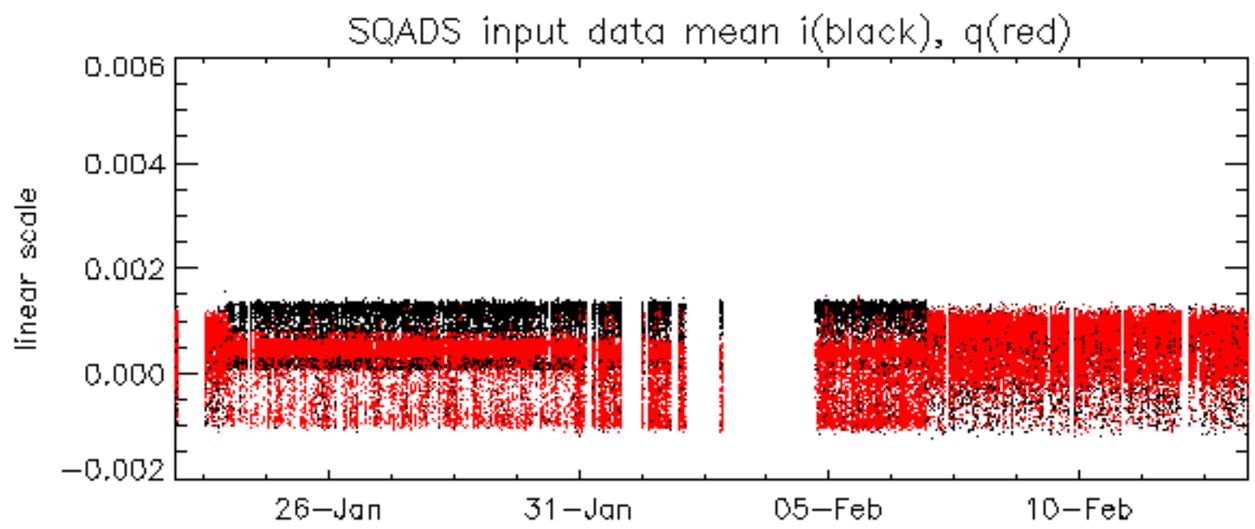
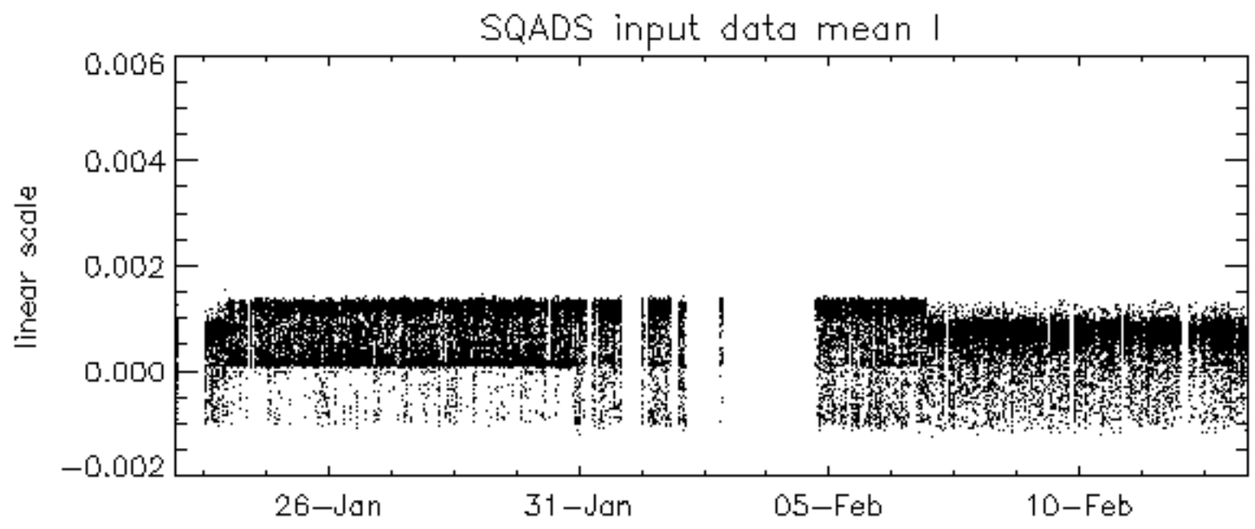
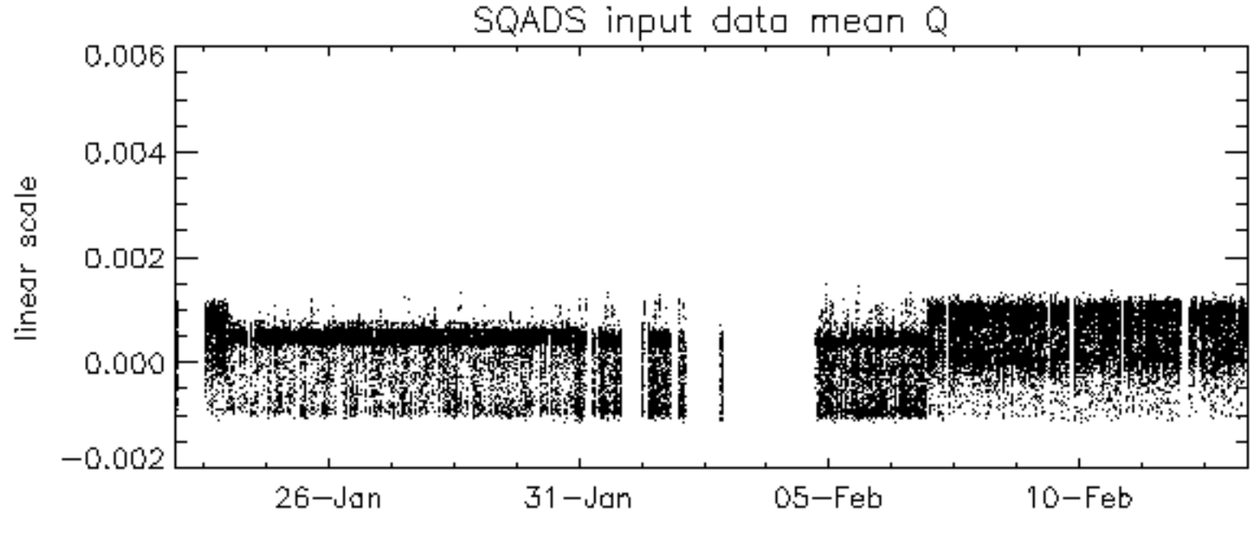
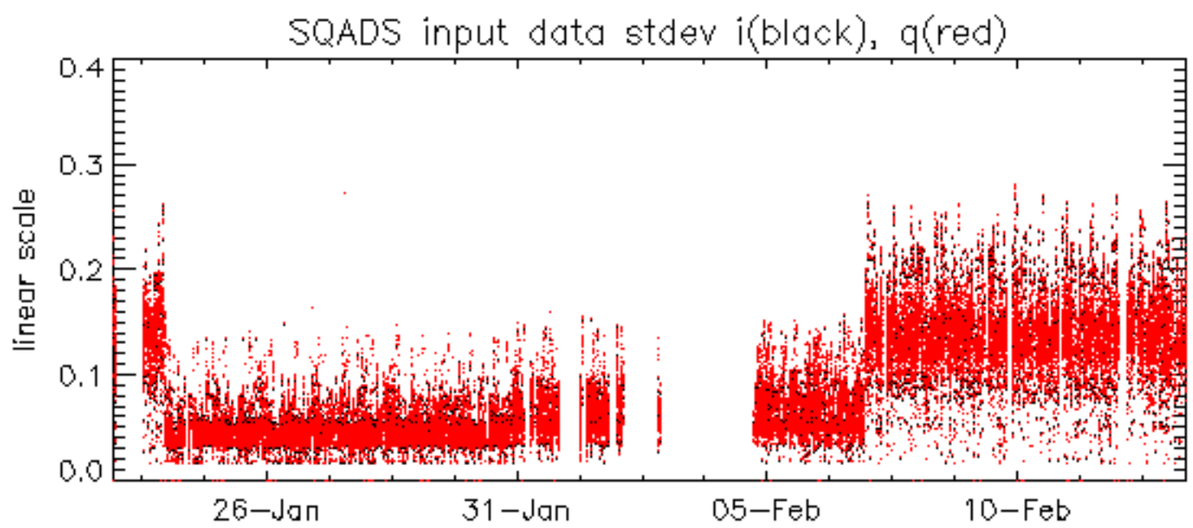
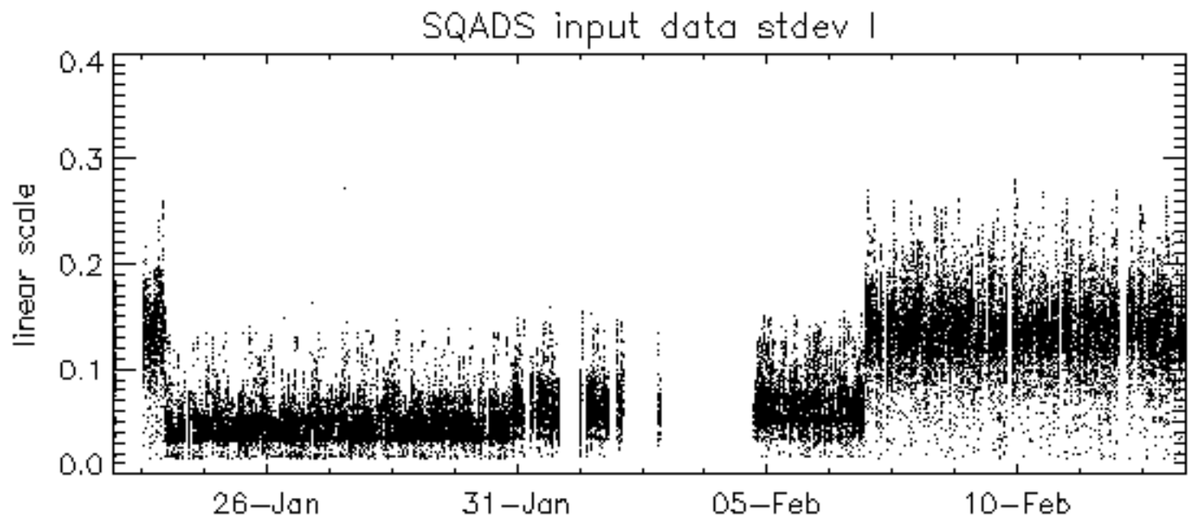

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

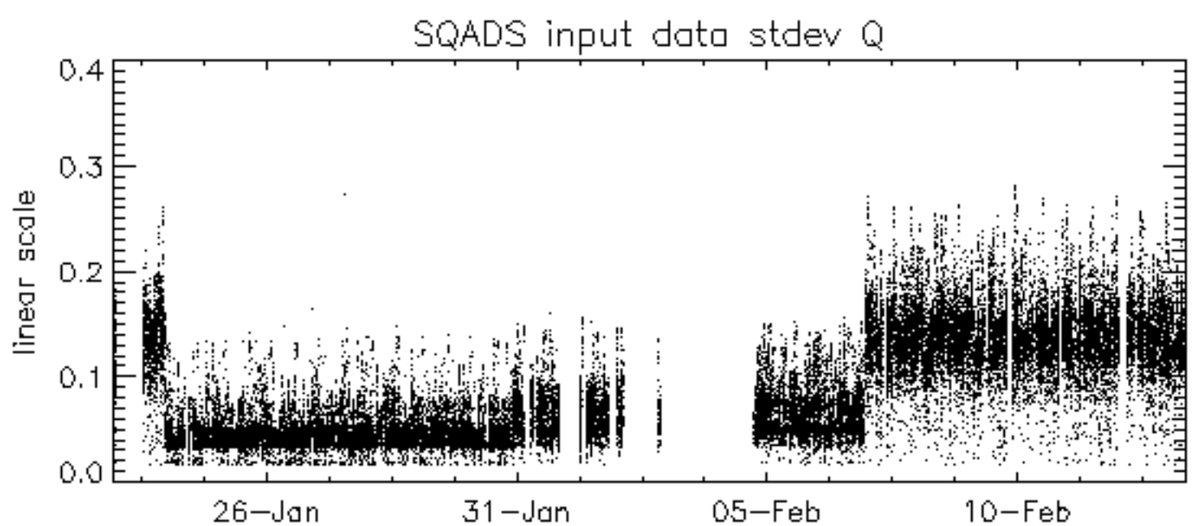

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb

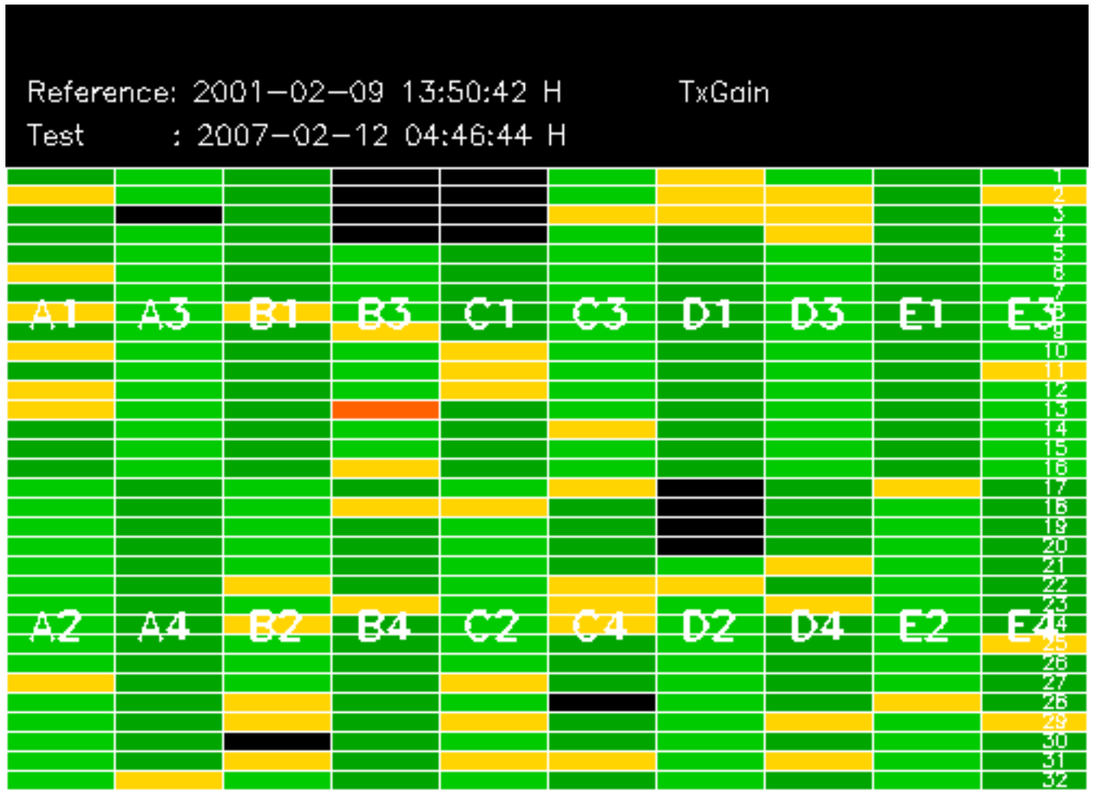

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-12 04:46:44 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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D4
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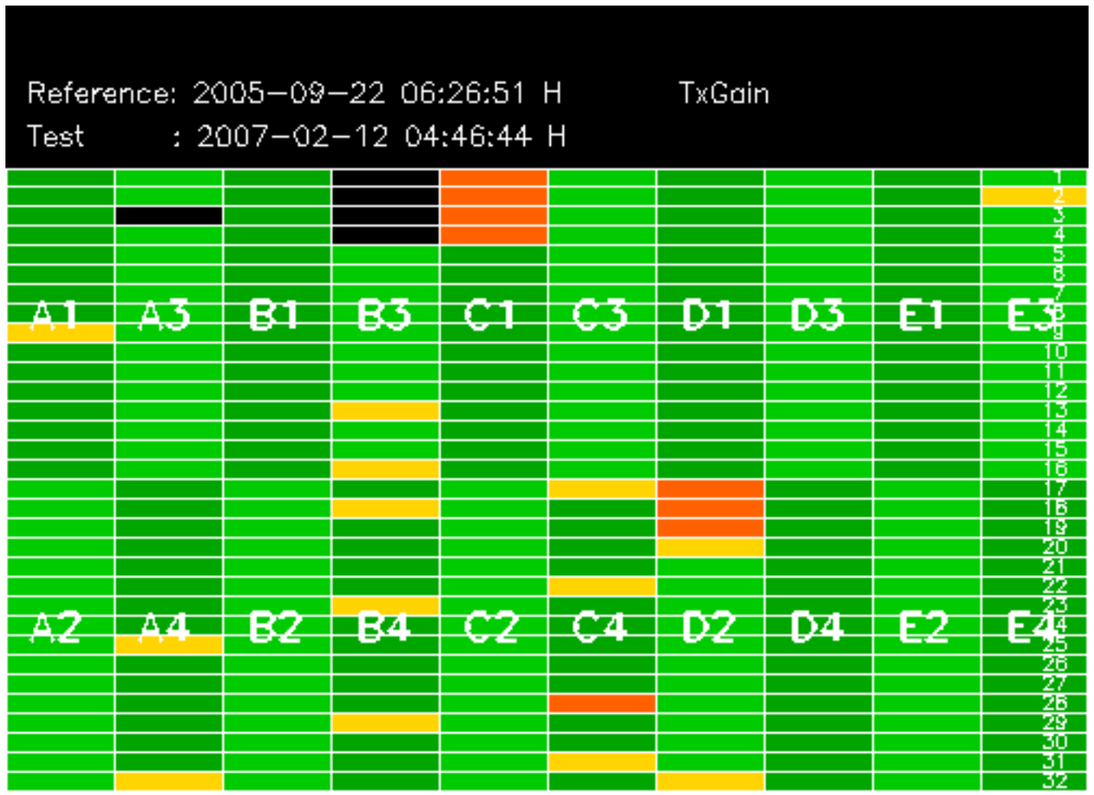
Reference: 2005-09-22 06:26:51 H
TxGain
Test : 2007-02-12 04:46:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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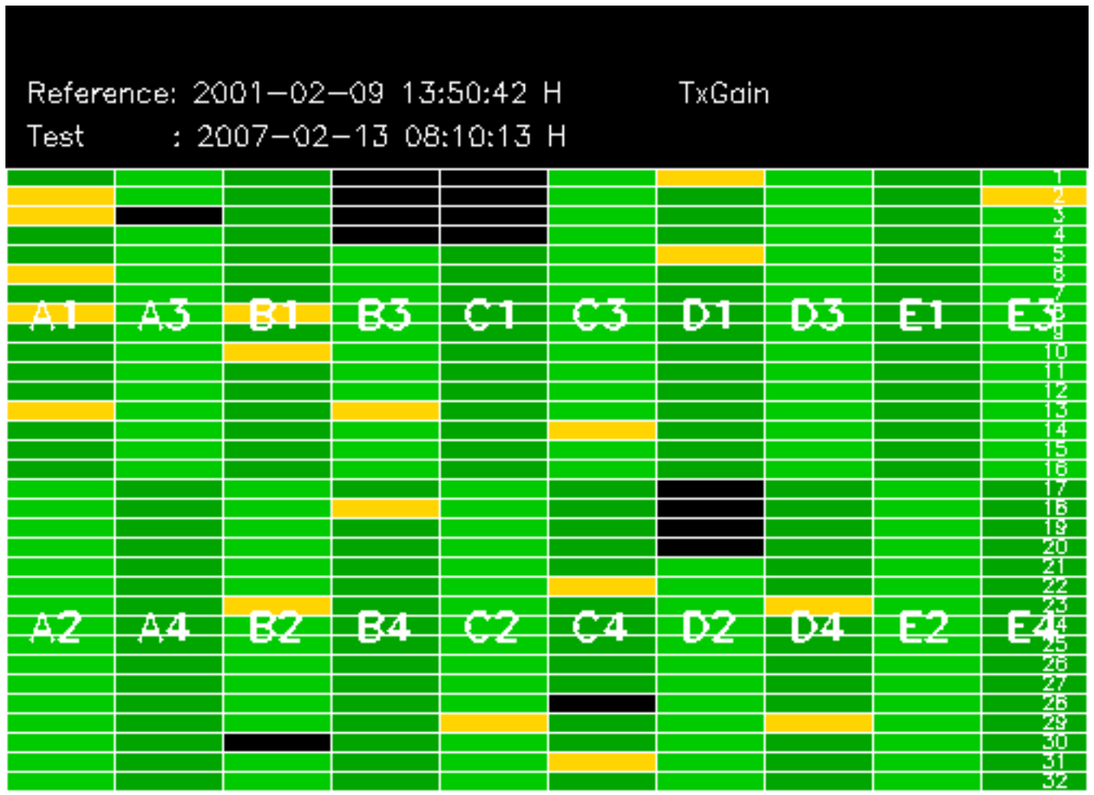
Reference: 2001-02-09 13:50:42 H
Test : 2007-02-13 08:10:13 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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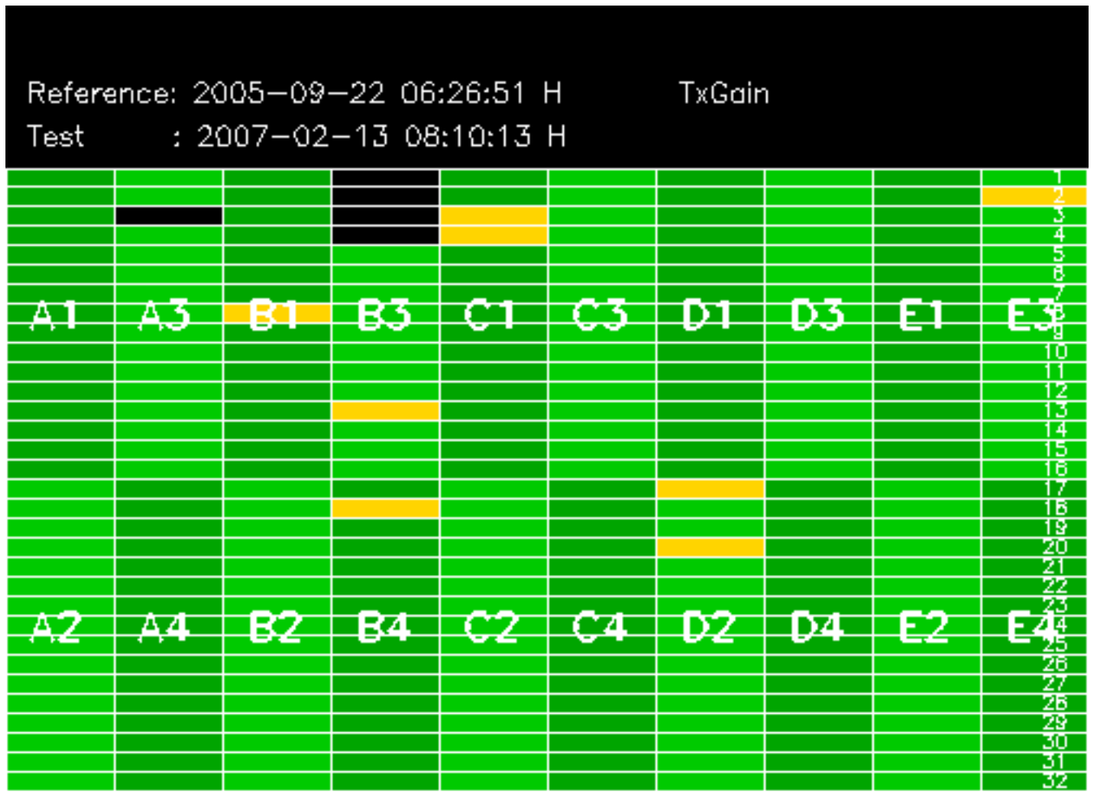
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-13 08:10:13 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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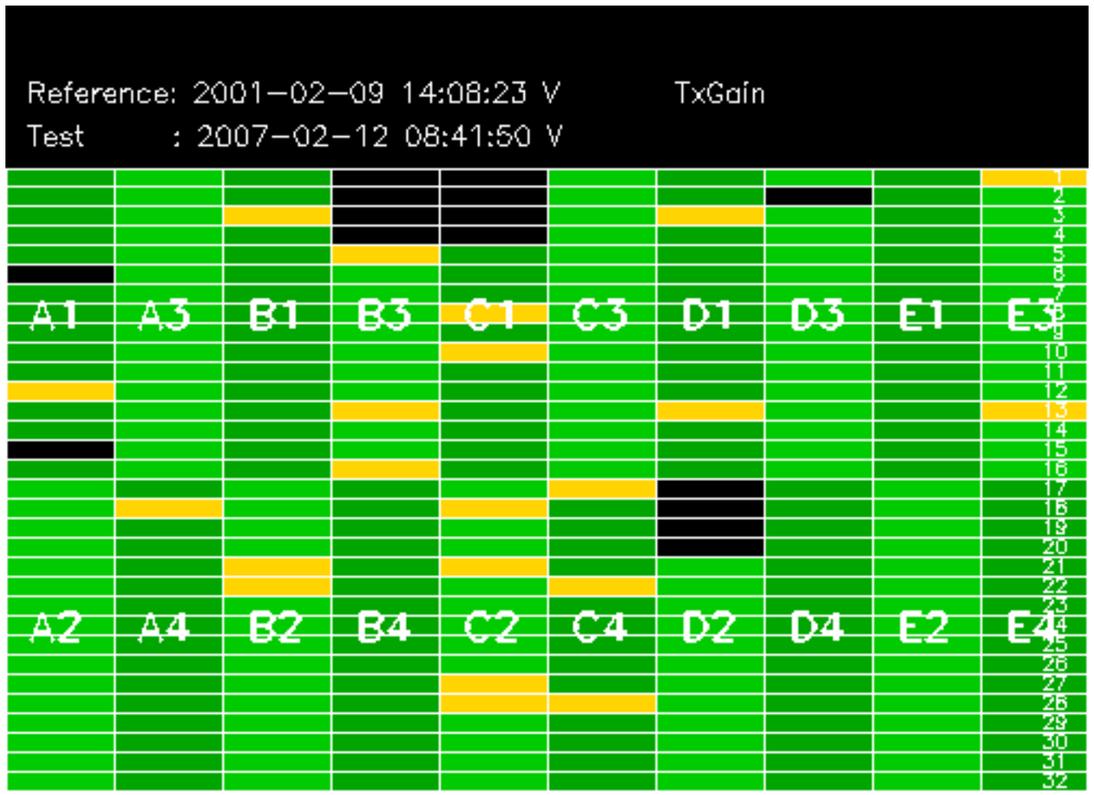
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-12 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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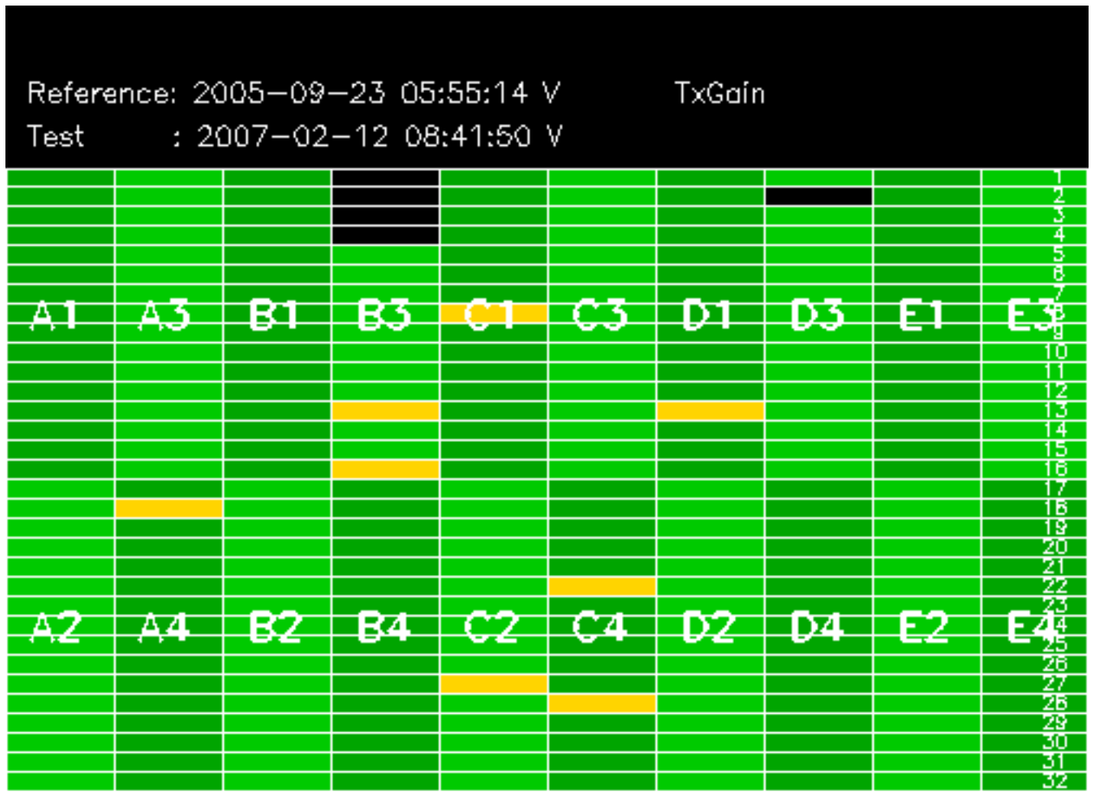
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-12 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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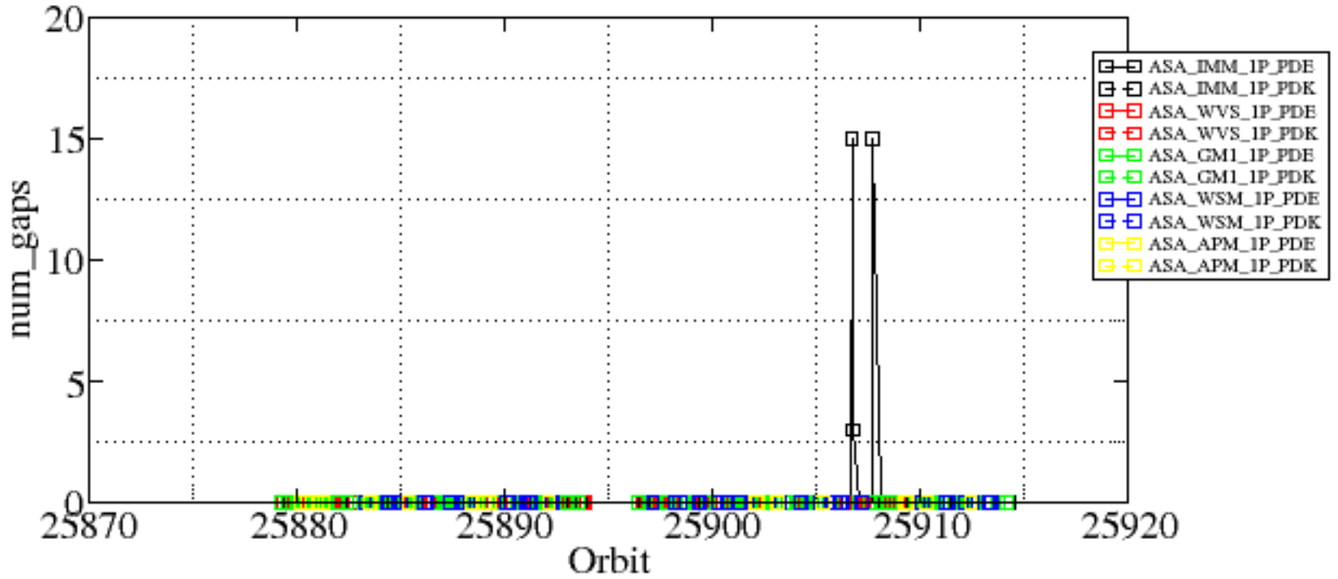
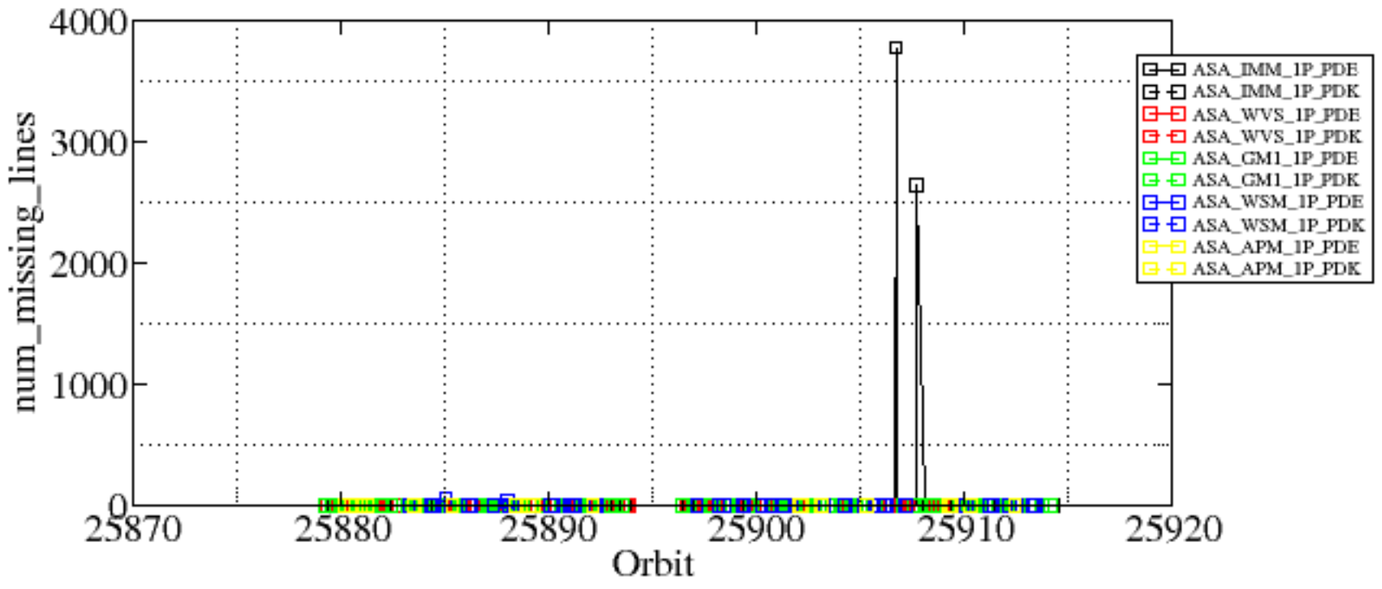
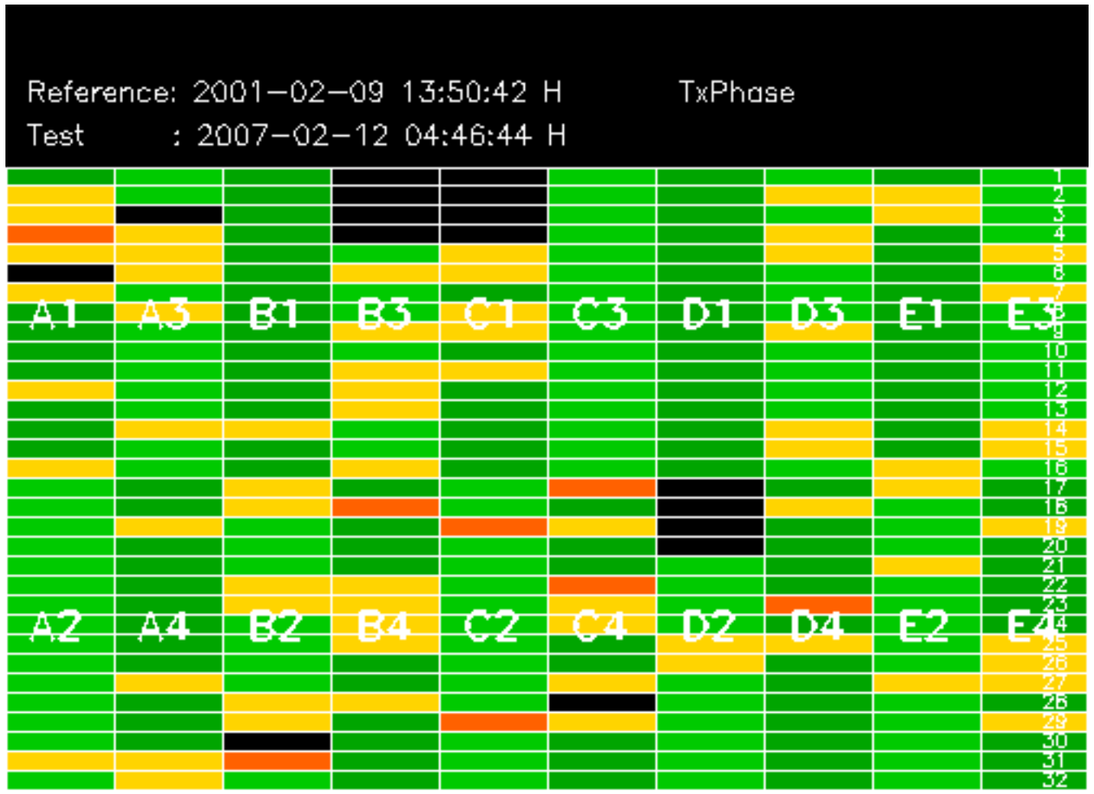
Summary of analysis for the last 3 days 2007021[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070212_221218_000001072055_00301_25906_5131.N1 </td> <td>15 </td> <td>3773 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070212_221549_000002632055_00301_25906_5257.N1 </td> <td>3 </td> <td>10 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070212_235224_000004552055_00302_25907_5398.N1 </td> <td>15 </td> <td>2640 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070211_145120_000000862055_00283_25888_3819.N1 </td> <td>0 </td> <td>33 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070211_095259_000000852055_00280_25885_2209.N1 </td> <td>0 </td> <td>52 </td></tr>
</table>


num_gaps
20
15
10
5
0
25870
25880
25890
25900
25910
25920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


4000
3000
2000
1000
0
num_missing_lines
25870
25880
25890
25900
25910
25920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-12 04:46:44 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
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21
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26
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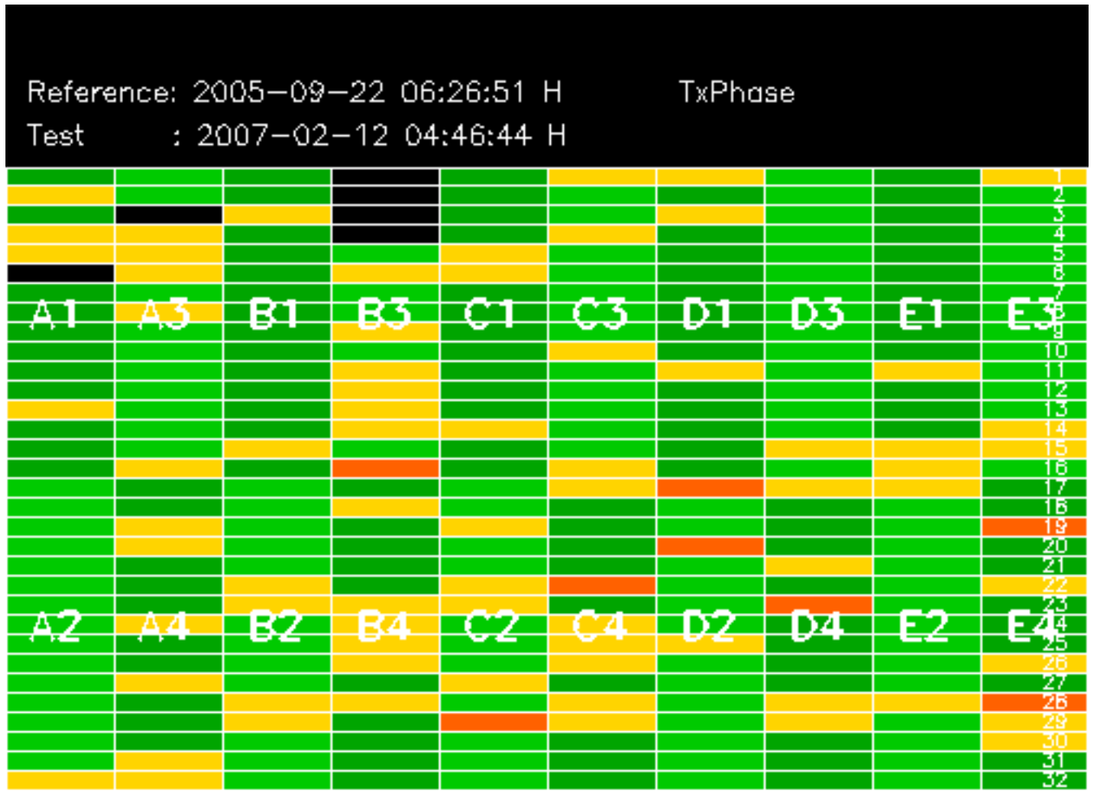
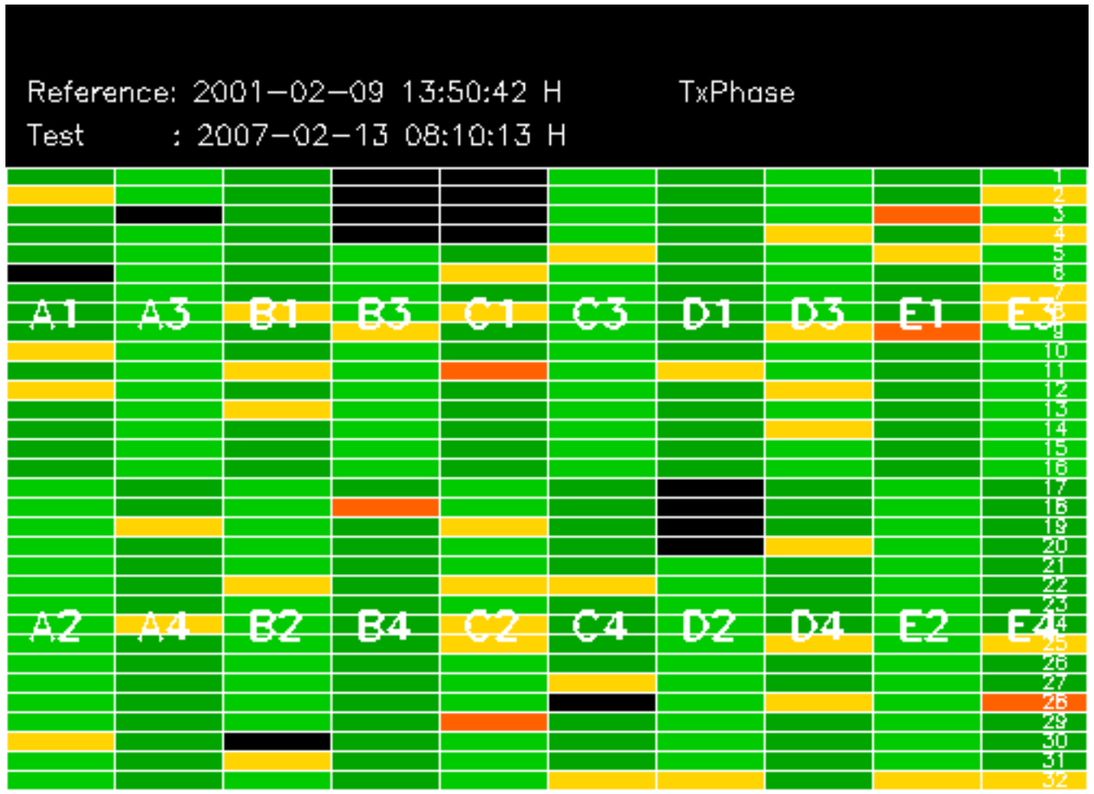
29
30
31
32


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-02-12 04:46:44 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 13:50:42 H
TxPhase
Test : 2007-02-13 08:10:13 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
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21
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26
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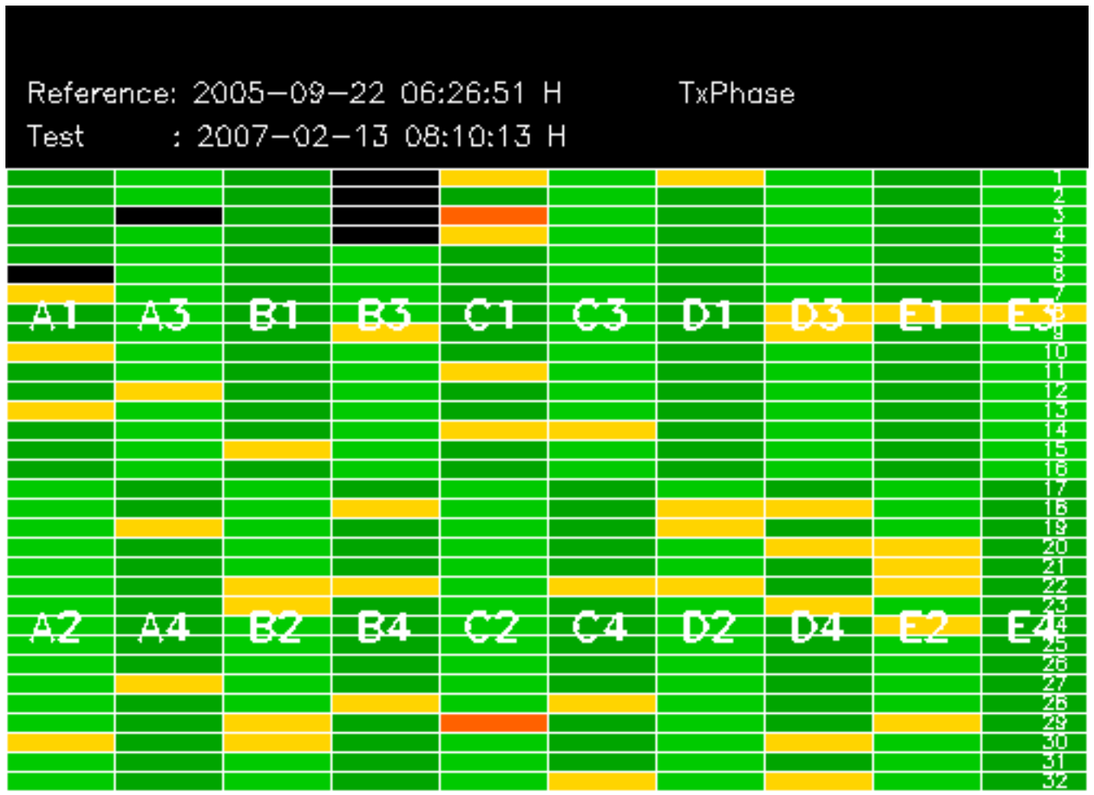
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-02-13 08:10:13 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
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9
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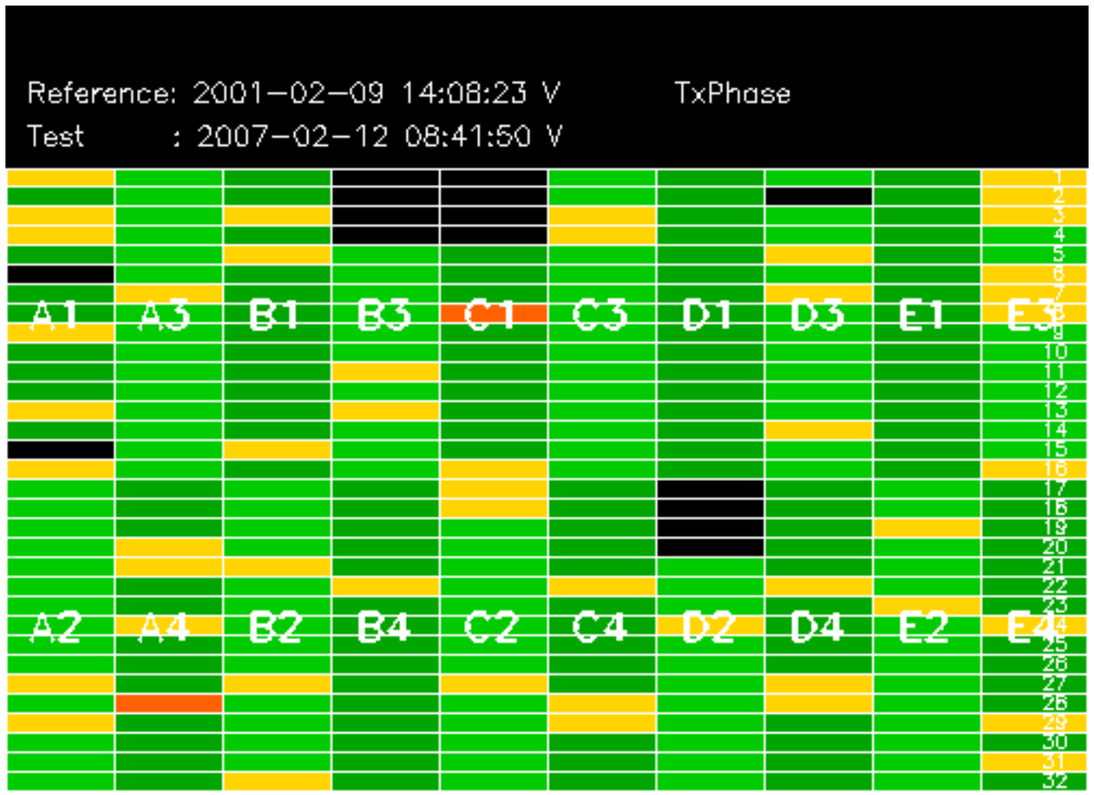
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-12 08:41:50 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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4
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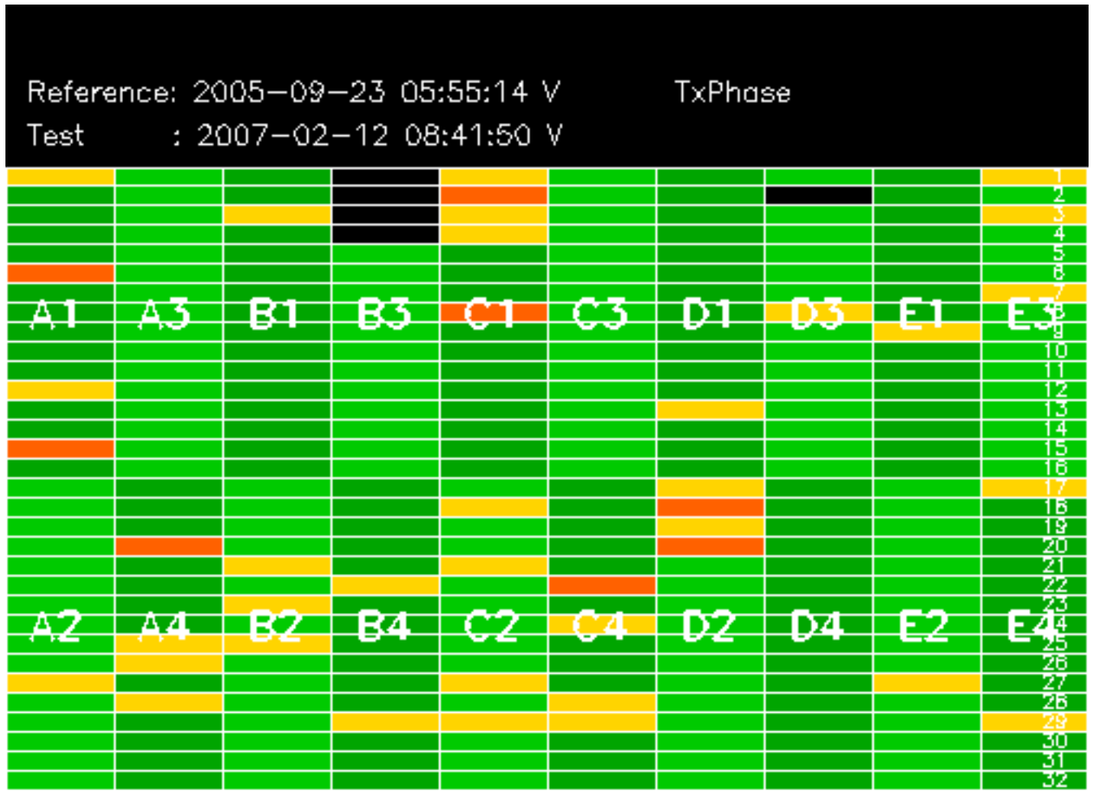
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-12 08:41:50 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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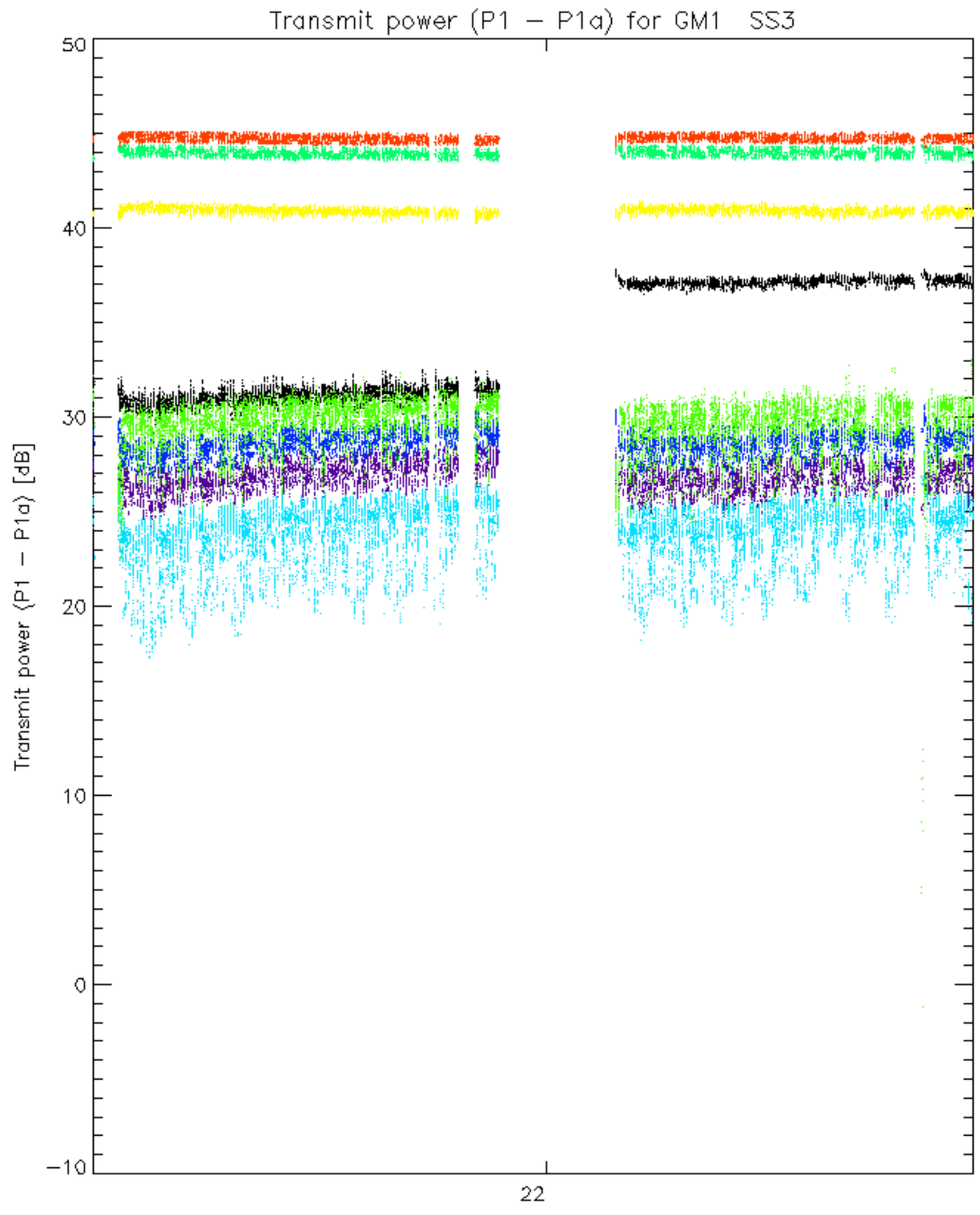
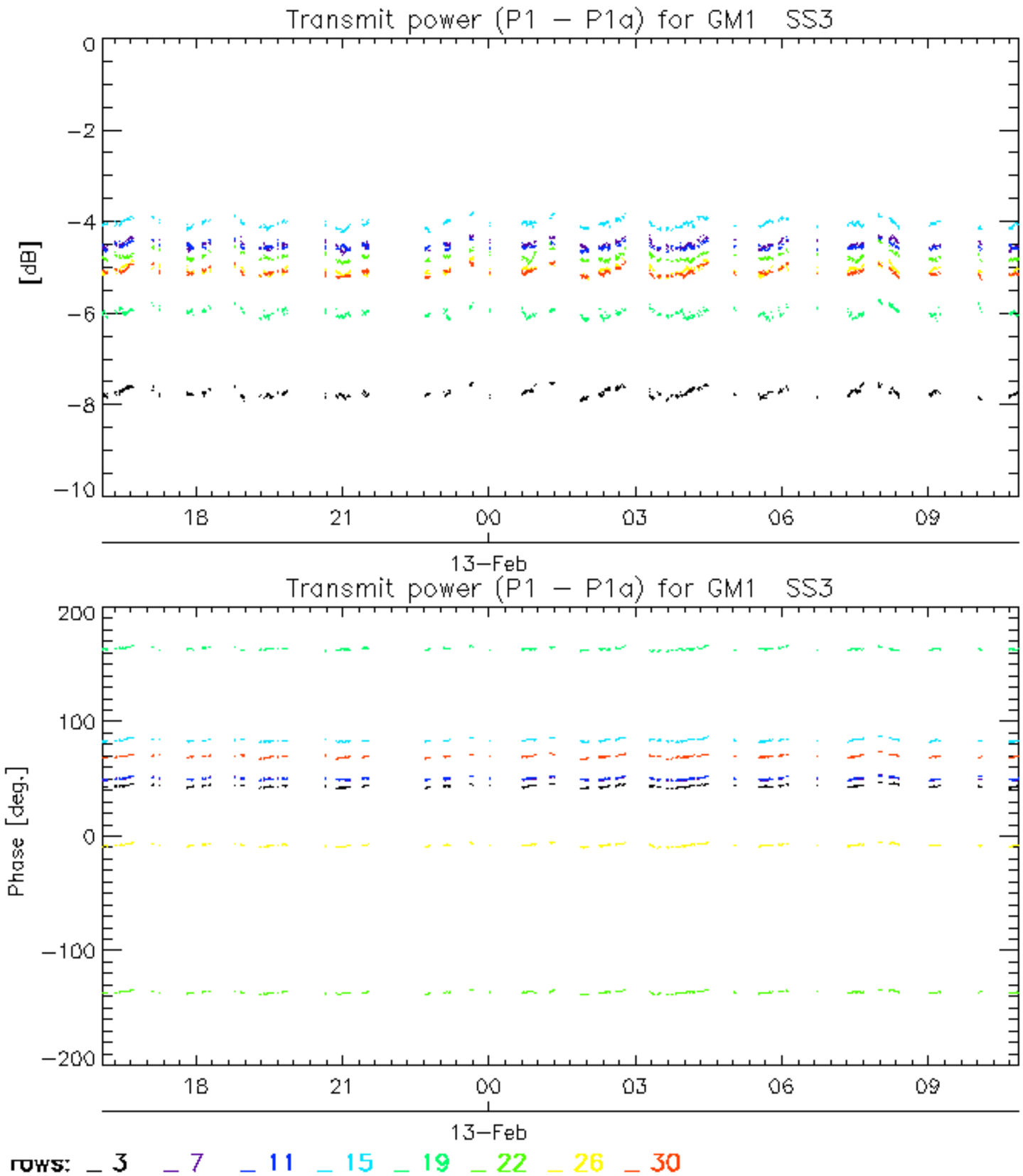
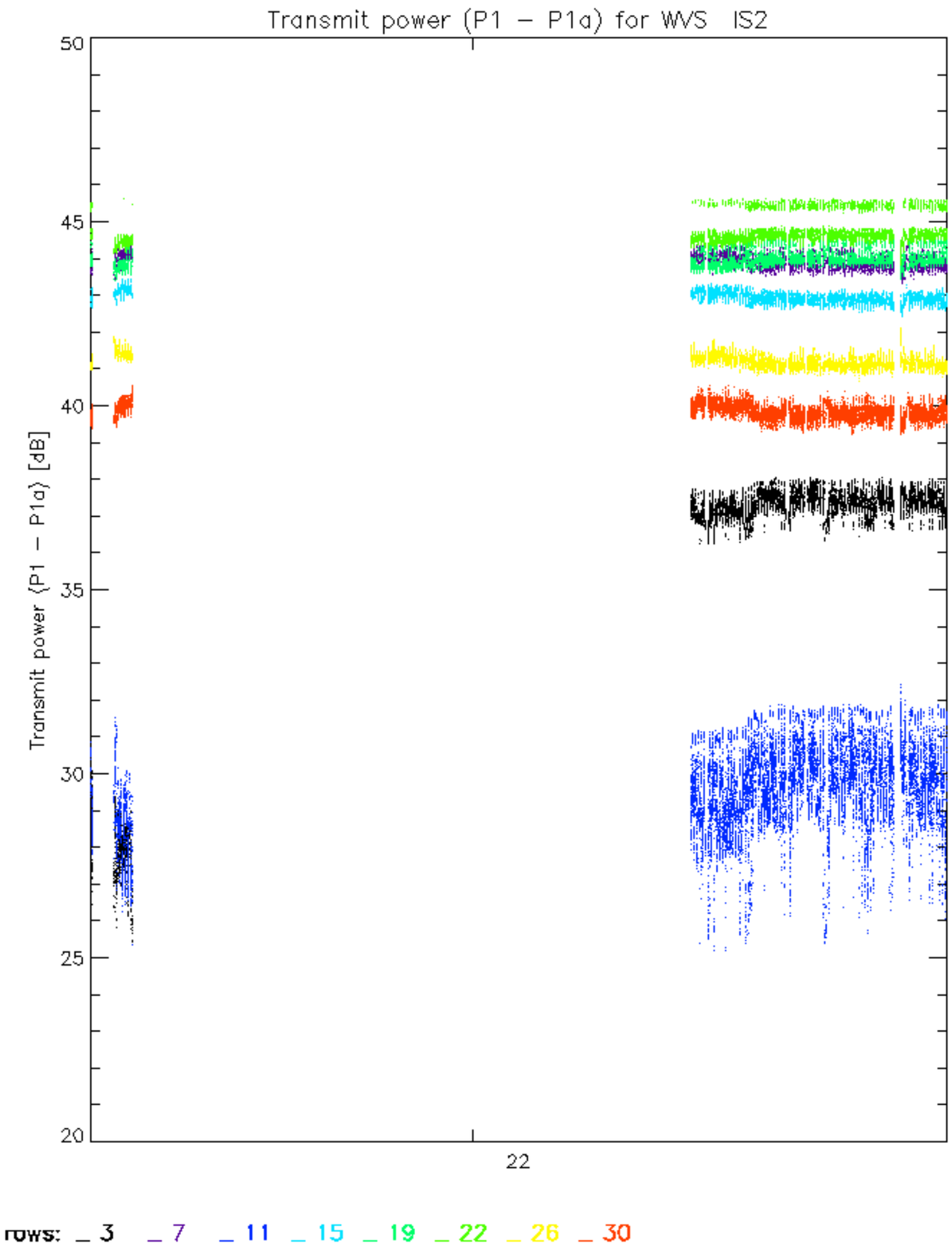
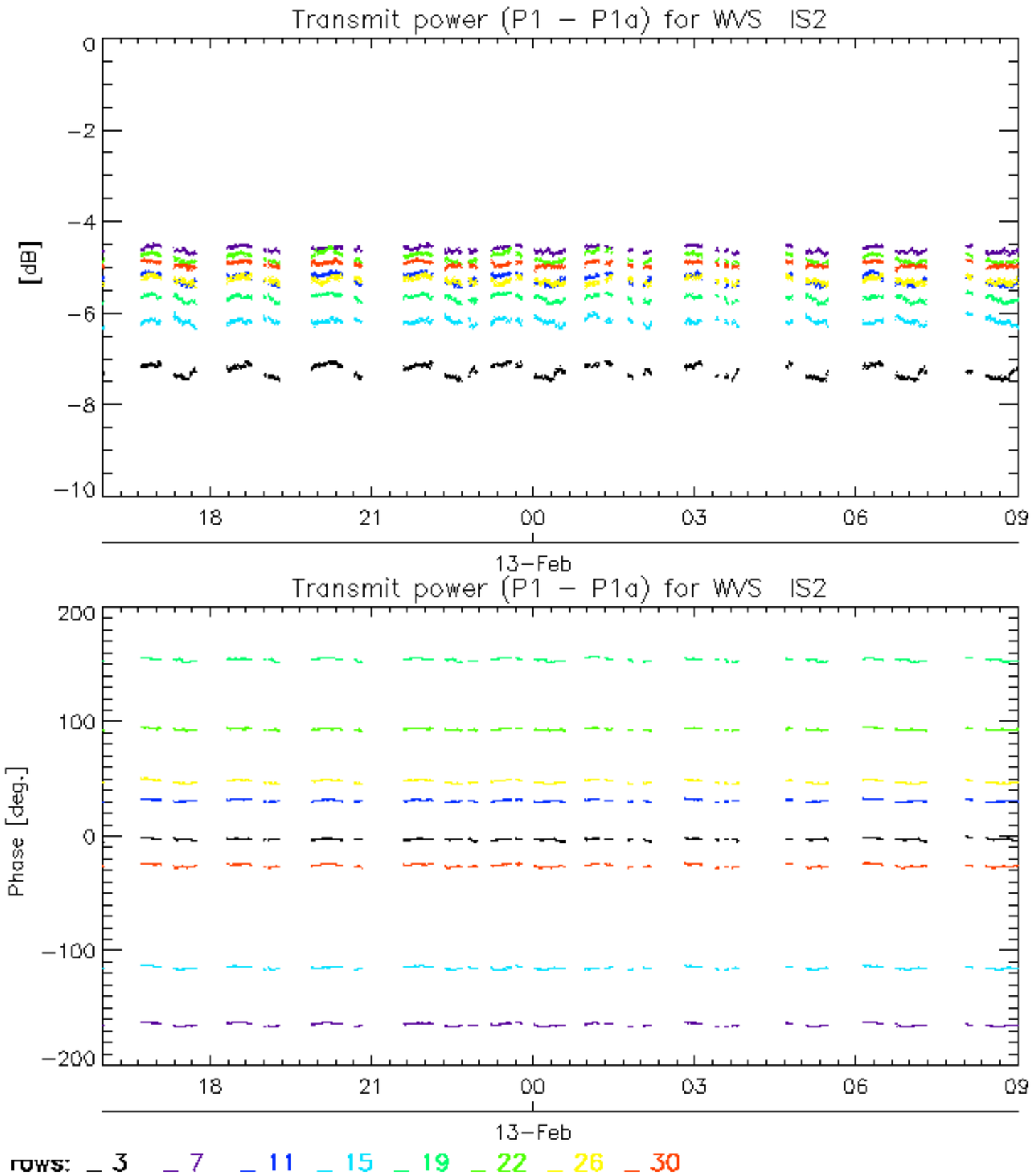

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
22
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.