PRELIMINARY REPORT OF 070214

last update on Wed Feb 14 16:21:18 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 2007-02-13 00:00:00 to 2007-02-14 16:21:18

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	42	67	15	1	26
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	42	67	15	1	26
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	67	15	1	26
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	42	67	15	1	26

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	42	55	50	19	40
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	42	55	50	19	43
ASA_CON_AXVIEC20070212_170541_20070213_214400_20070213_214900	0	0	0	0	3
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	55	50	19	43
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	42	55	50	19	43

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	20070214 073836
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	-15.233692	0.330381	2.727377
7	P1a	-17.406813	0.110331	-0.421624
11	P1a	-17.349329	0.371096	-0.132199
15	P1a	-12.833621	0.125861	-0.318522
19	P1a	-15.096774	0.095799	-0.172740
22	P1a	-15.513323	0.482833	-0.498367
26	P1a	-14.975895	0.251591	-0.047382
30	P1a	-17.298946	0.391486	-0.570253

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.540582	0.272041	-3.013954
7	P1	-3.106393	0.009607	-0.103654
11	P1	-4.132968	0.020040	-0.143362
15	P1	-6.323796	0.016751	-0.104823
19	P1	-3.707440	0.008980	-0.014739
22	P1	-4.676864	0.014387	-0.029206
26	P1	-3.927471	0.014005	0.007193
30	P1	-5.918832	0.012421	-0.060790

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.462250	0.408402	-3.347772
7	P2	-21.617678	0.085249	0.051888
11	P2	-15.481815	0.103548	0.064629
15	P2	-7.018637	0.100663	-0.097010

19	P2	-9.085570	0.088667	-0.084057
22	P2	-18.099968	0.085989	-0.103274
26	P2	-16.511156	0.099509	-0.143543
30	P2	-19.335695	0.080223	-0.046339

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.203448	0.008048	-0.014846
7	P3	-8.203448	0.008048	-0.014846
11	P3	-8.203448	0.008048	-0.014846
15	P3	-8.203448	0.008048	-0.014846
19	P3	-8.203448	0.008048	-0.014846
22	P3	-8.203448	0.008048	-0.014846
26	P3	-8.203448	0.008048	-0.014846
30	P3	-8.203448	0.008048	-0.014846

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	-11.397630	0.151272	1.540313
7	P1a	-10.035298	0.058720	-0.103946
11	P1a	-10.566247	0.061799	-0.369273
15	P1a	-10.846245	0.130306	-0.117219
19	P1a	-15.745838	0.064001	-0.004424
22	P1a	-20.897371	1.292756	0.451319
26	P1a	-15.453588	0.259270	0.269940
30	P1a	-18.326975	0.365217	-0.079917

P1\t Cyclic statistics

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

3	P1	-6.355453	4.255390	-9.863891
7	P1	-2.440684	0.005957	-0.001403
11	P1	-2.879102	0.016915	-0.151733
15	P1	-3.793559	0.033753	-0.130480
19	P1	-3.551401	0.013023	-0.021439
22	P1	-5.025743	0.023387	-0.017910
26	P1	-5.994368	0.023064	0.031202
30	P1	-5.290150	0.023450	-0.000459

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.208120	0.863791	-4.272302
7	P2	-22.014711	0.050859	0.121440
11	P2	-10.682851	0.032185	0.080974
15	P2	-4.834418	0.027166	0.050616
19	P2	-6.833204	0.028828	0.054432
22	P2	-8.141176	0.030332	0.061374
26	P2	-24.253643	0.032444	0.010333
30	P2	-21.791279	0.034479	0.057320

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.051351	0.002909	0.029133
7	P3	-8.051314	0.002925	0.028369
11	P3	-8.051334	0.002912	0.029078
15	P3	-8.051351	0.002911	0.028929
19	P3	-8.051302	0.002906	0.028837
22	P3	-8.051359	0.002911	0.029251
26	P3	-8.051213	0.002907	0.029350
30	P3	-8.051266	0.002913	0.029242

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	0.000649832
	stdev	2.56451e-07
MEAN Q	mean	0.000343348
	stdev	2.52210e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0900855
	stdev	0.00247185
STDEV Q	mean	0.0899525
	stdev	0.00252028

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007021[234]
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_IMM_1PNPDE20070213_153643_000000802055_00312_25917_6362.N1	0	558

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

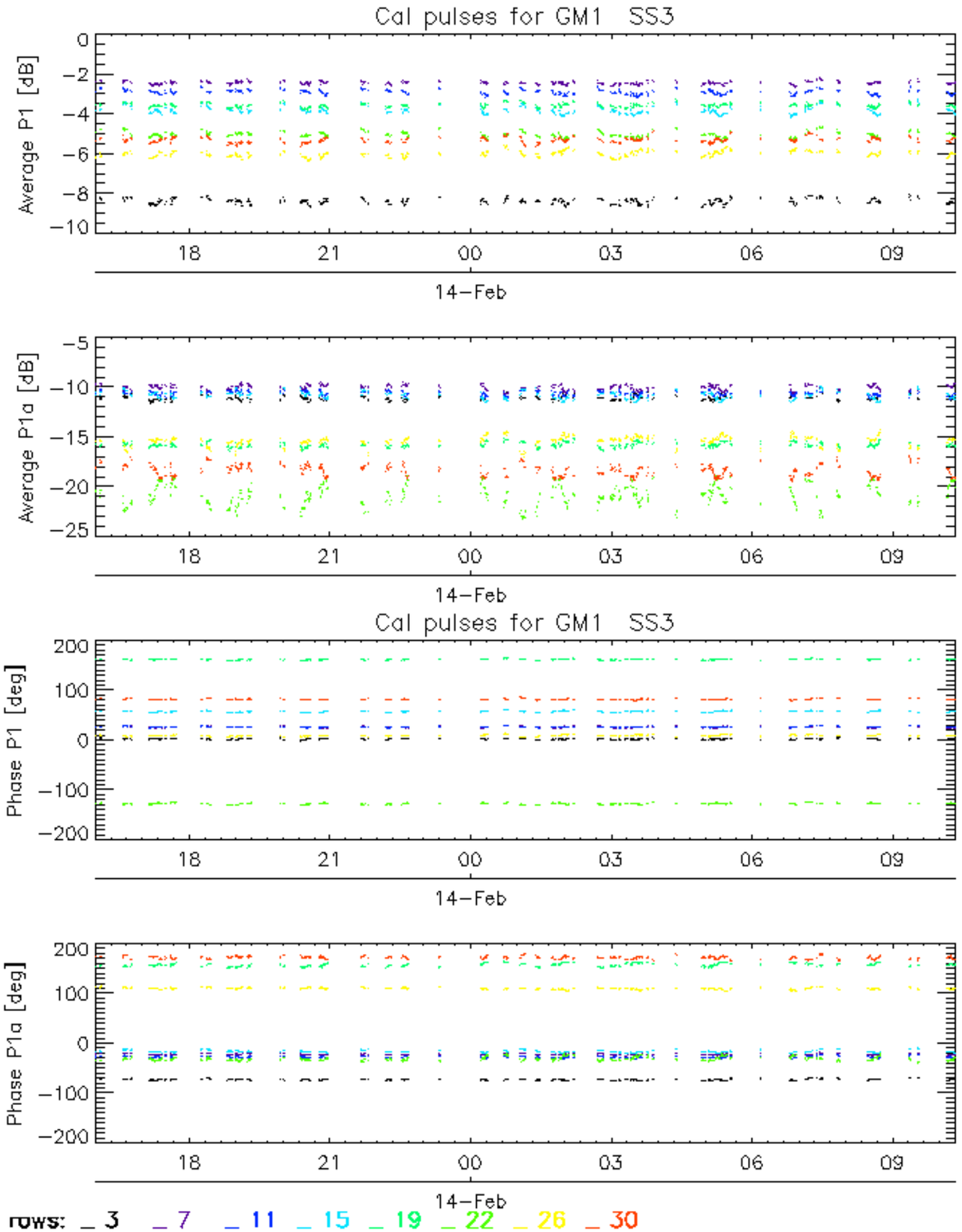
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

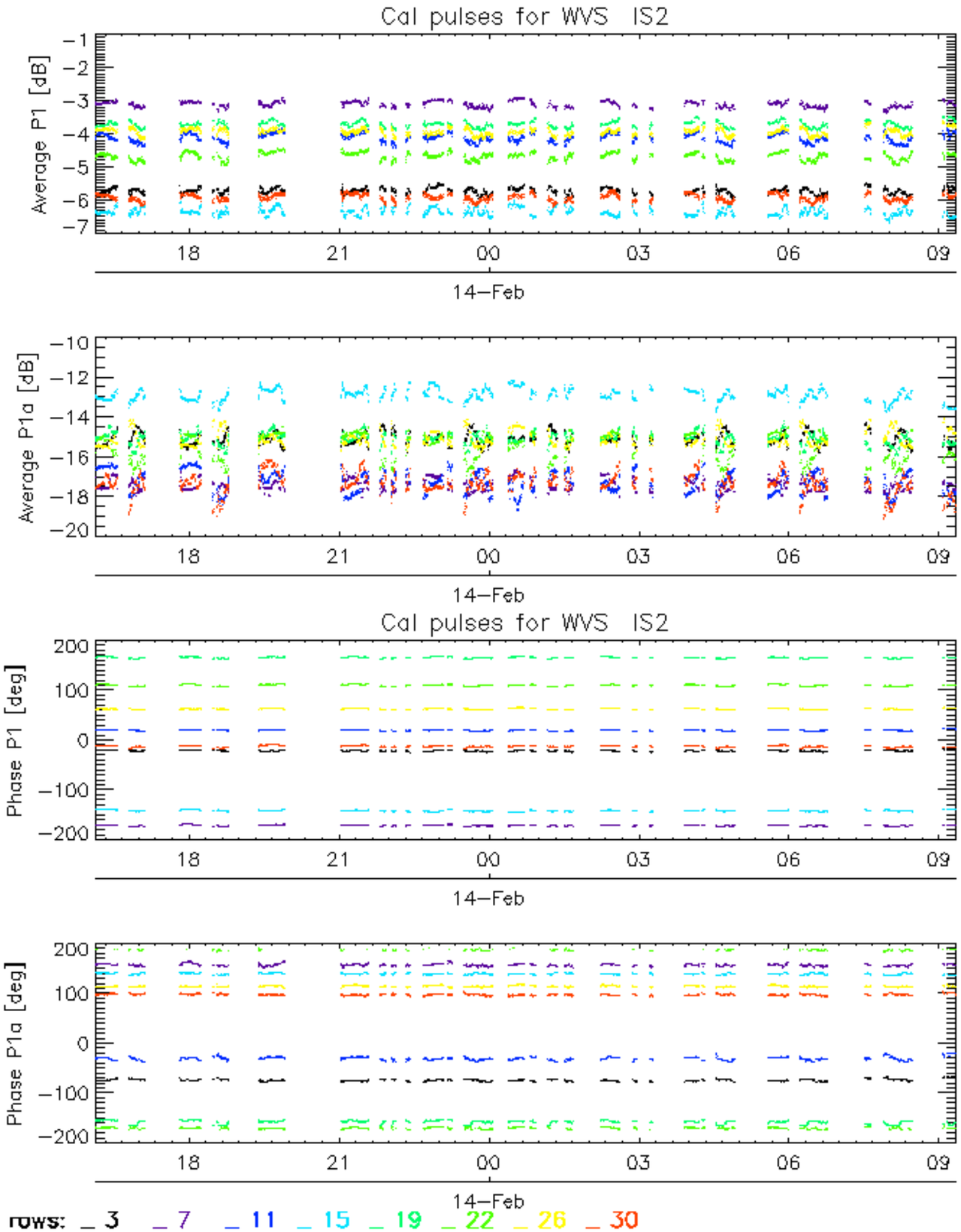
7.5 - Absolute Doppler for GM1

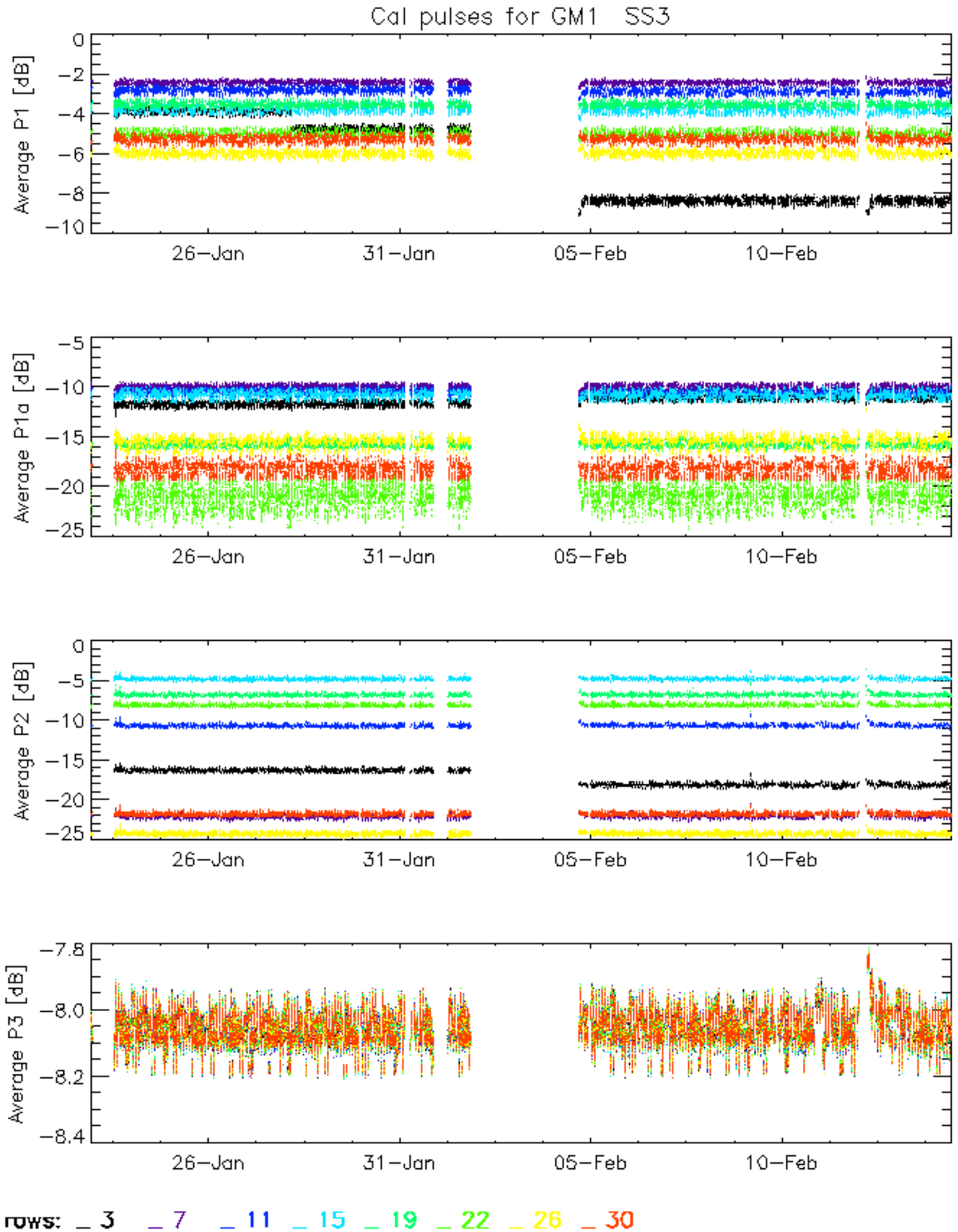
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

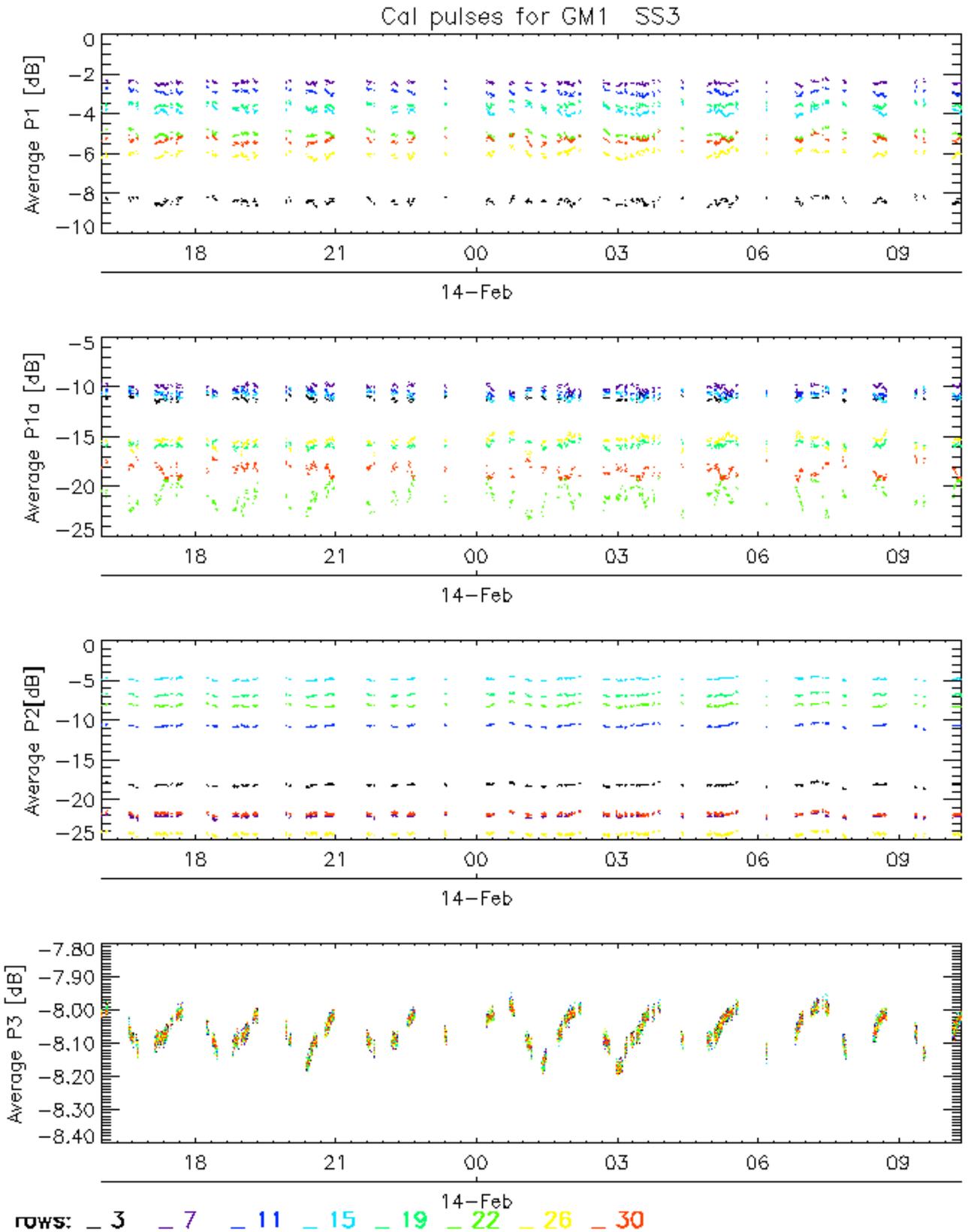
7.6 - Doppler evolution versus ANX for GM1

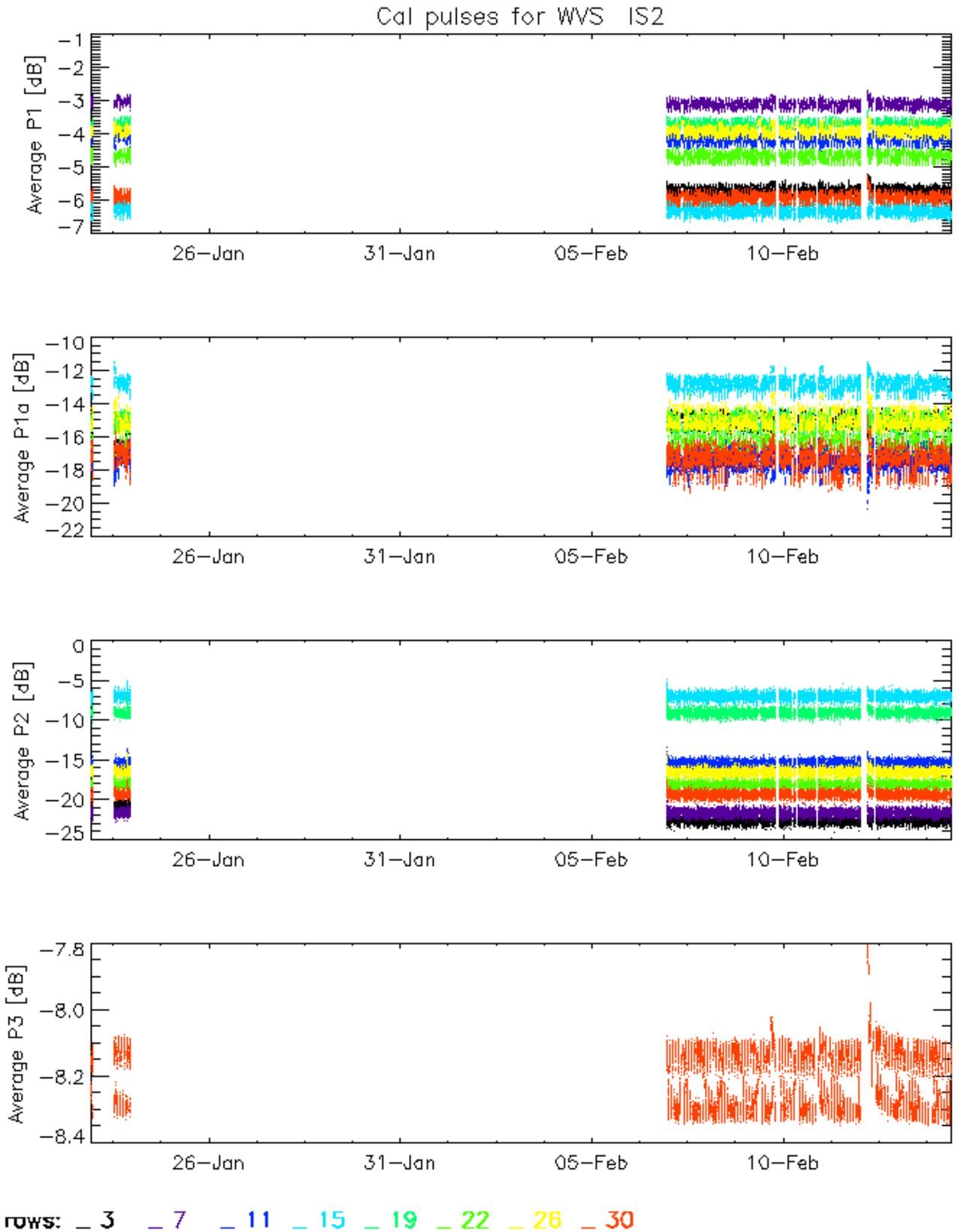
Evolution Doppler error versus ANX
☒

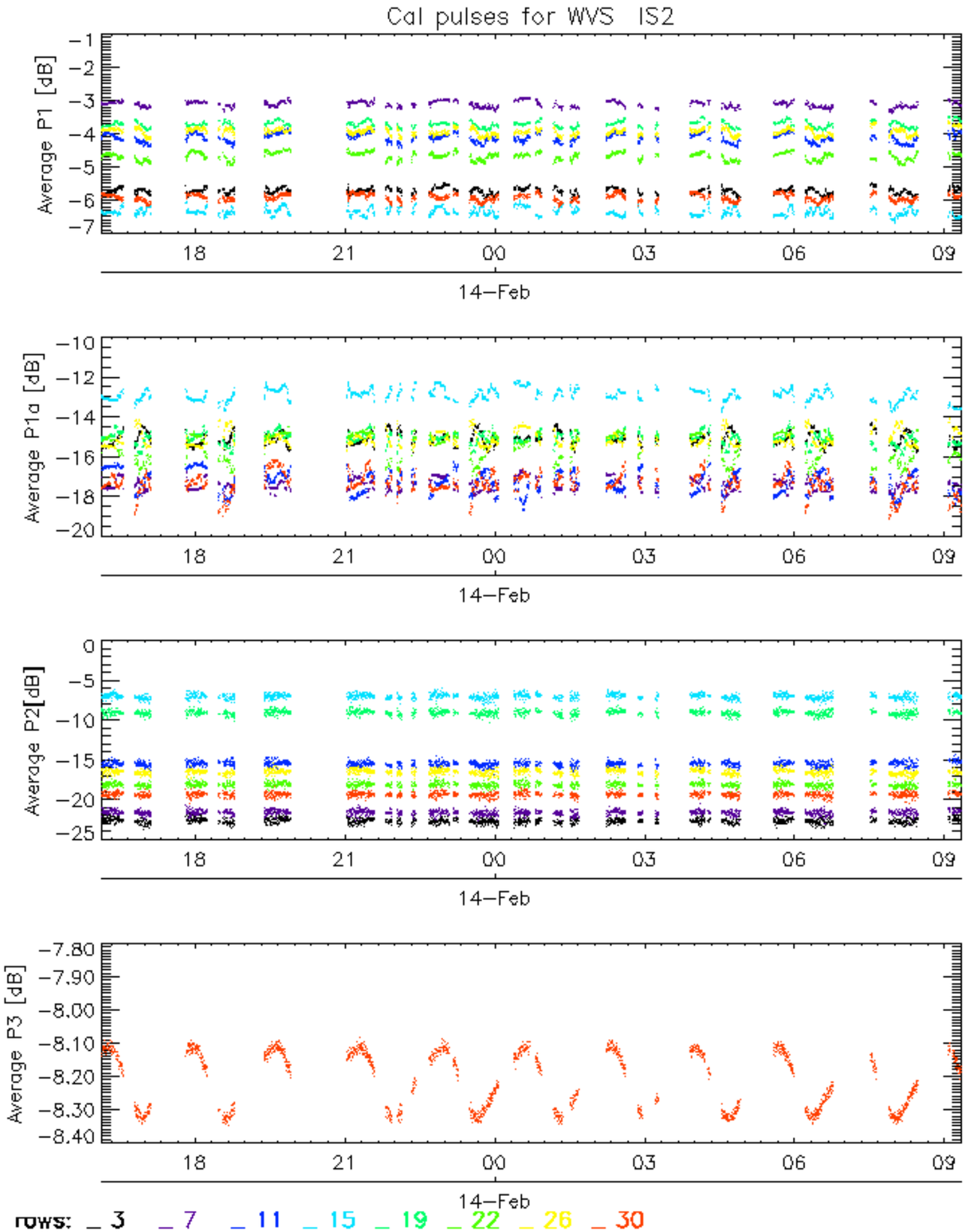

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
14−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
14−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
14−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
14−Feb
rows: 3 7 11 15 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
14−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
14−Feb
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
14−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
14−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

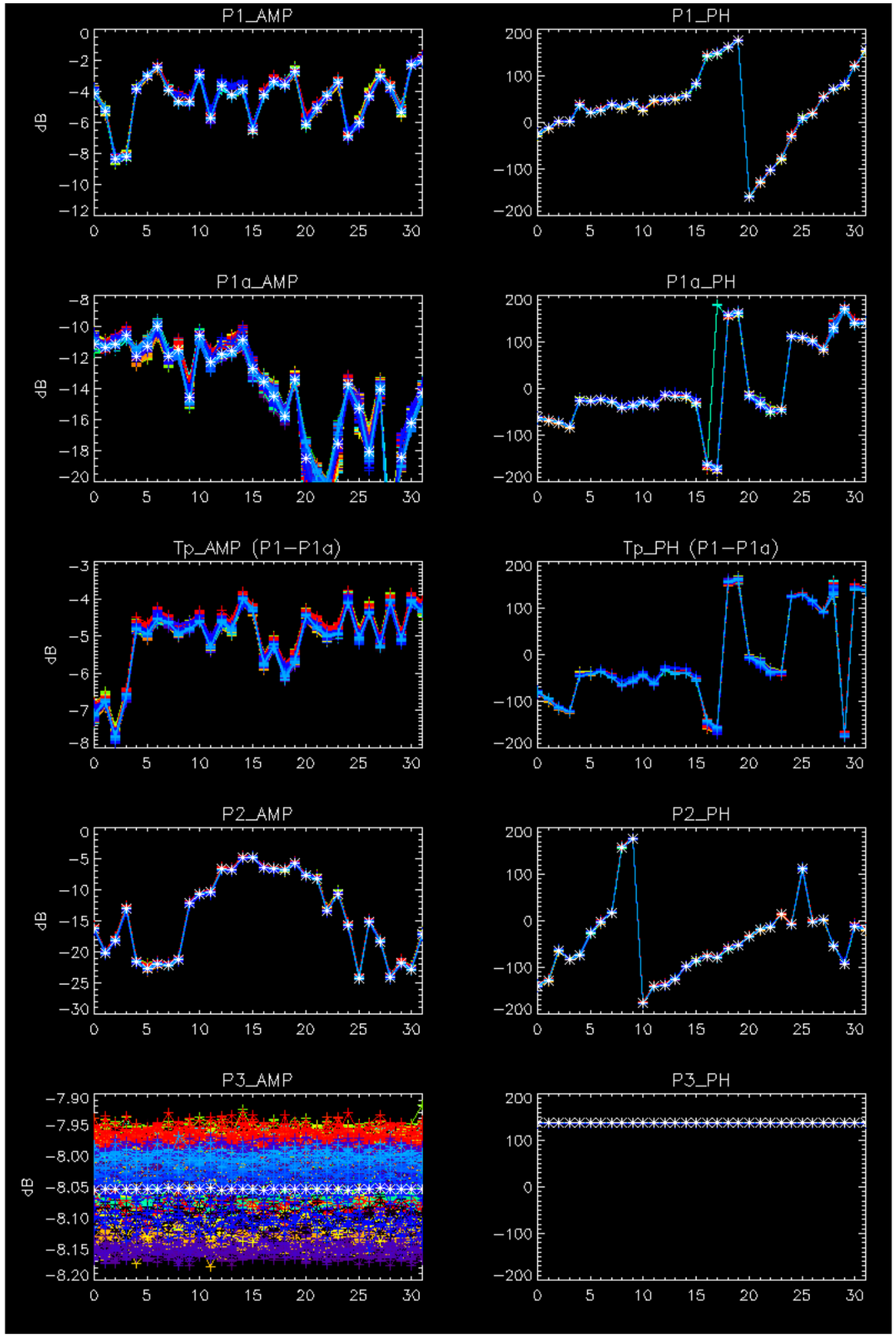

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
10−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

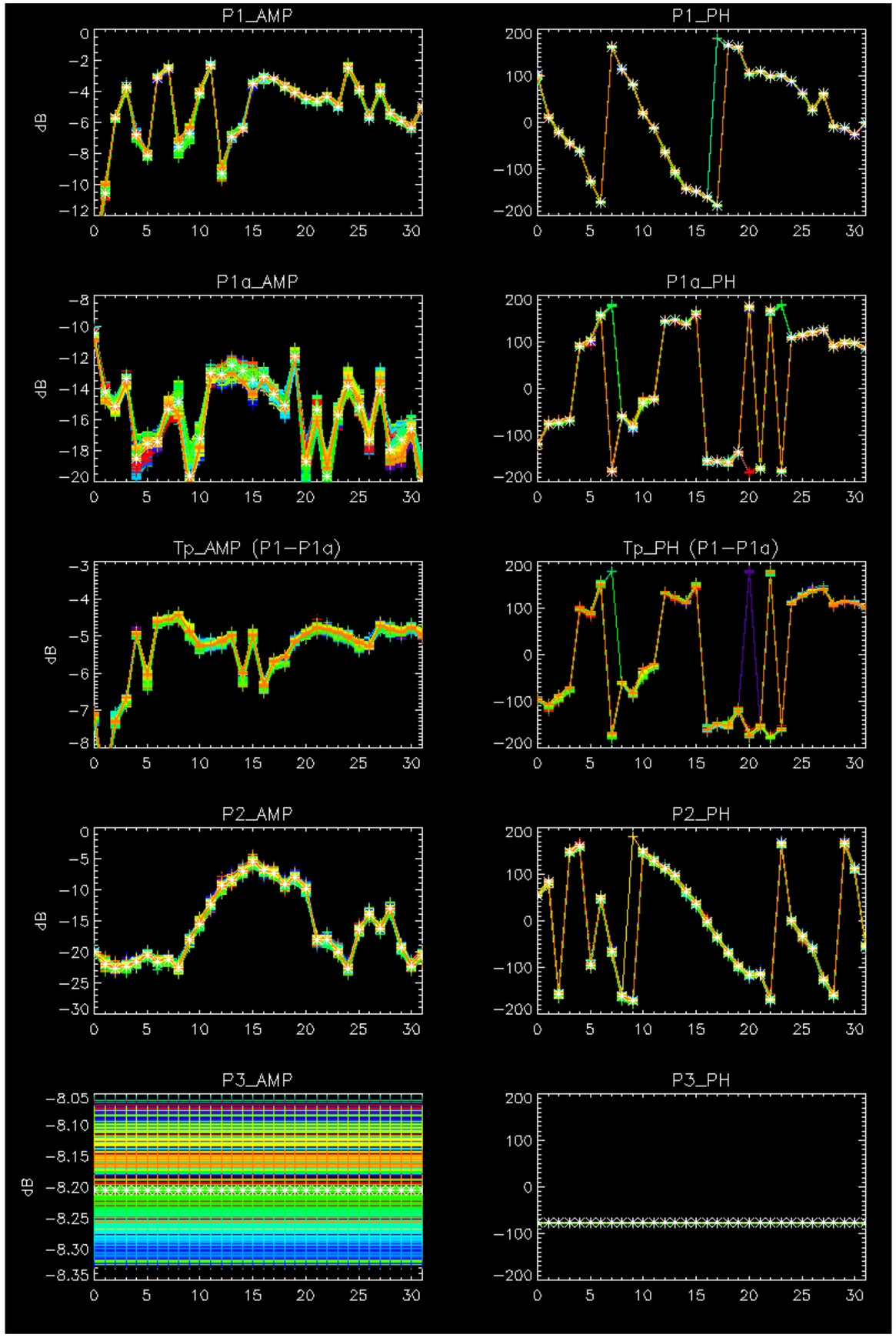

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
14−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
14−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
14−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
14−Feb
rows: 3 7 11 15 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
14−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
14−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
14−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
14−Feb
rows: 3 7 11 15 19 22 26 30

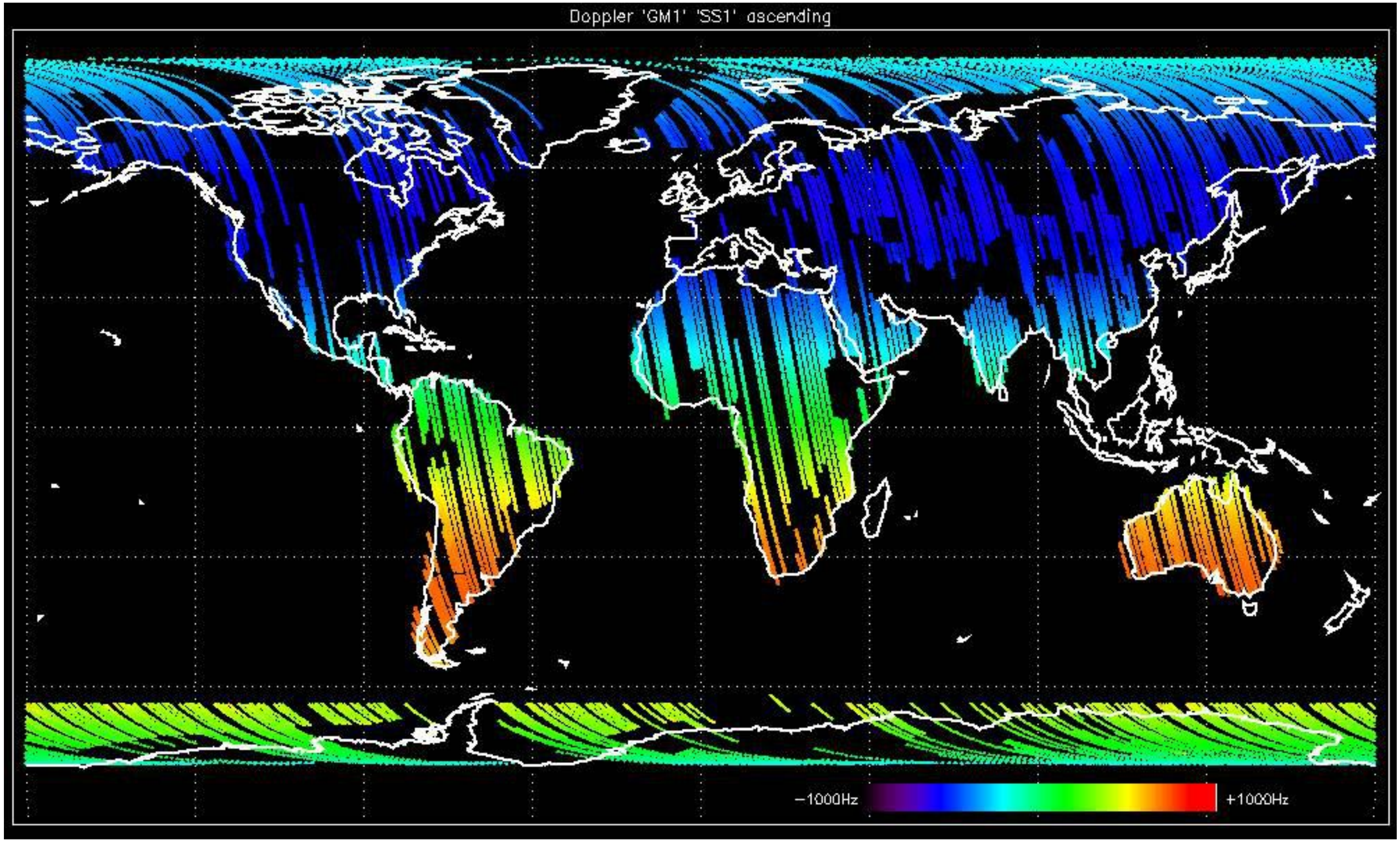
No anomalies observed.

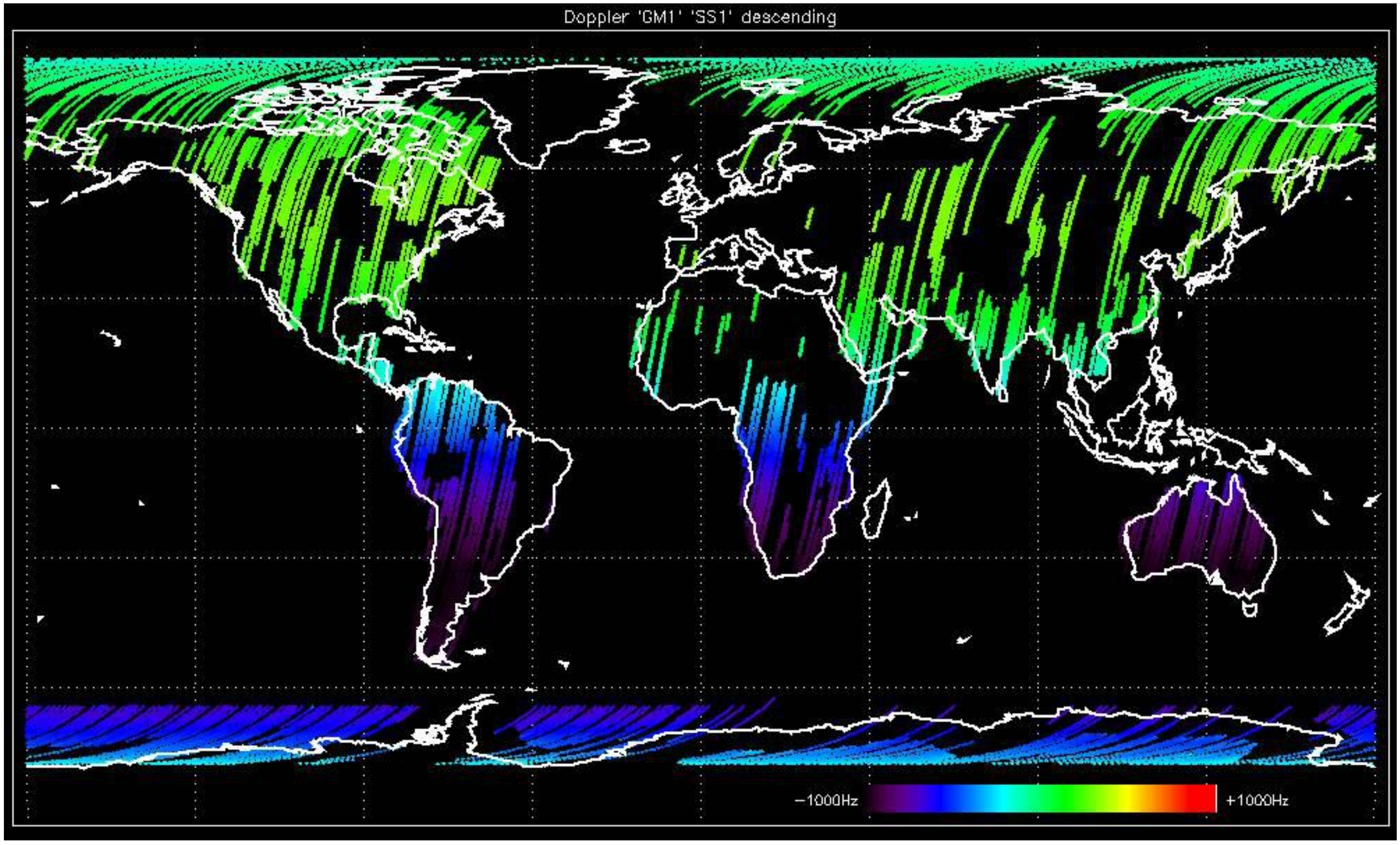

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

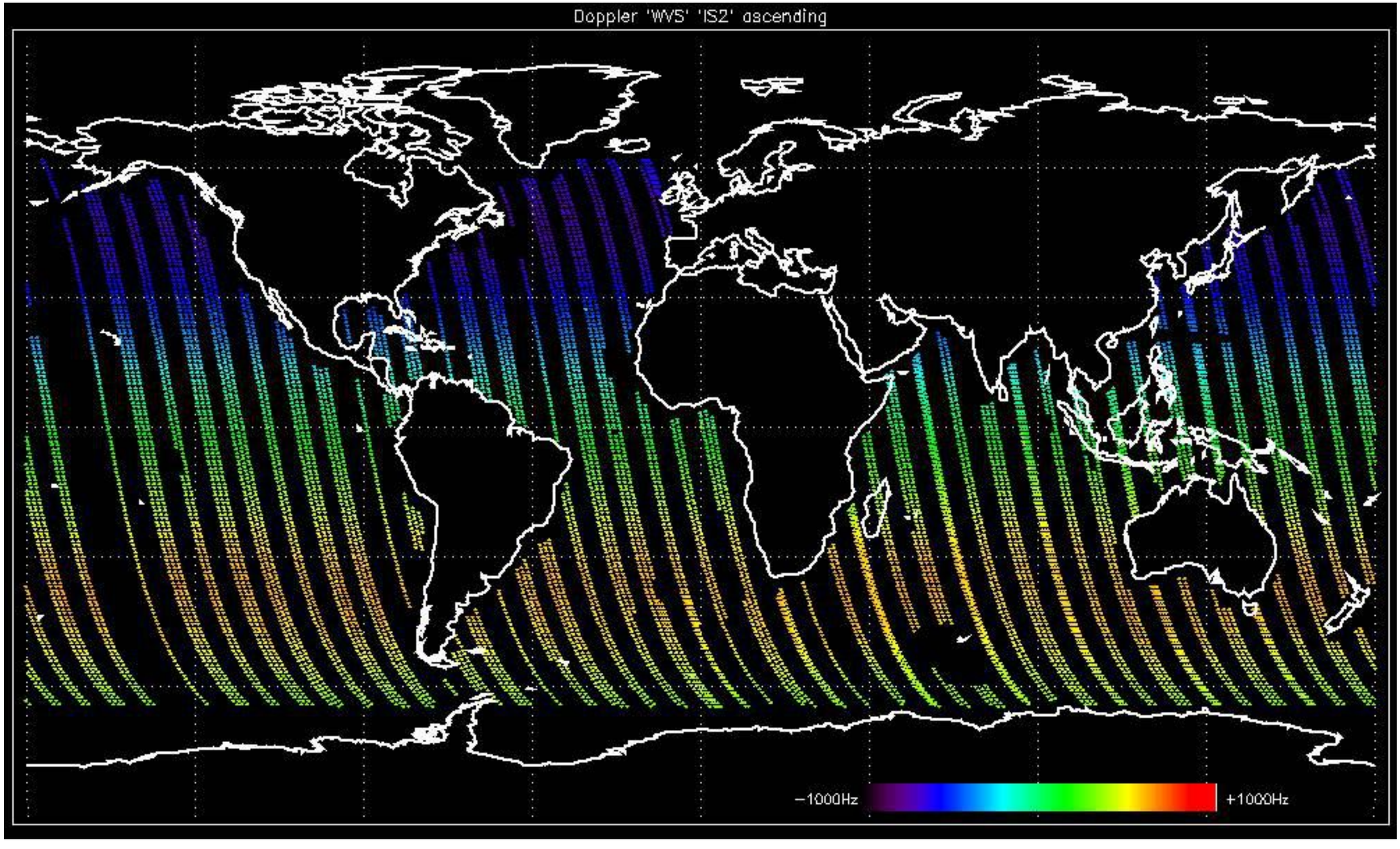

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

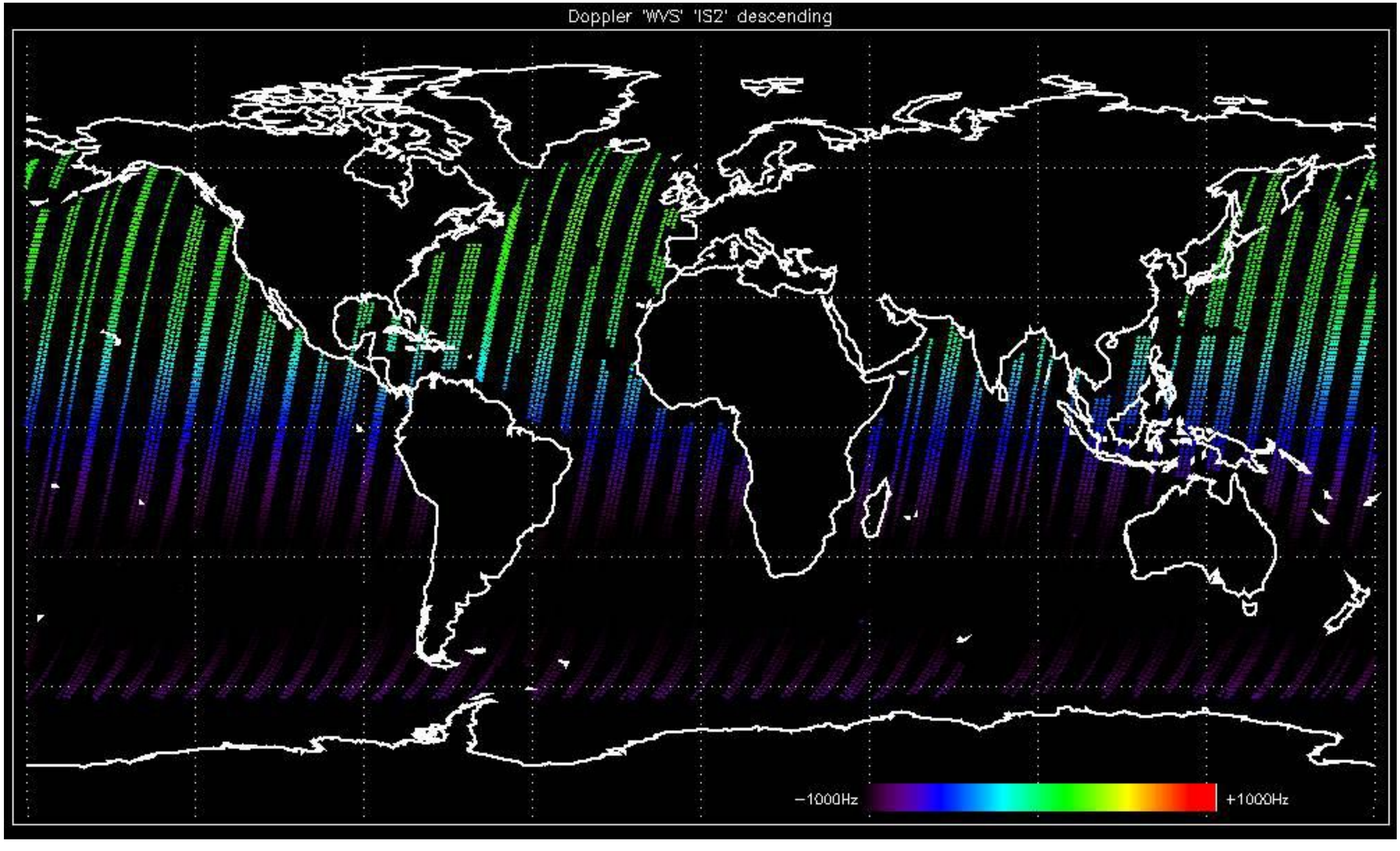
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

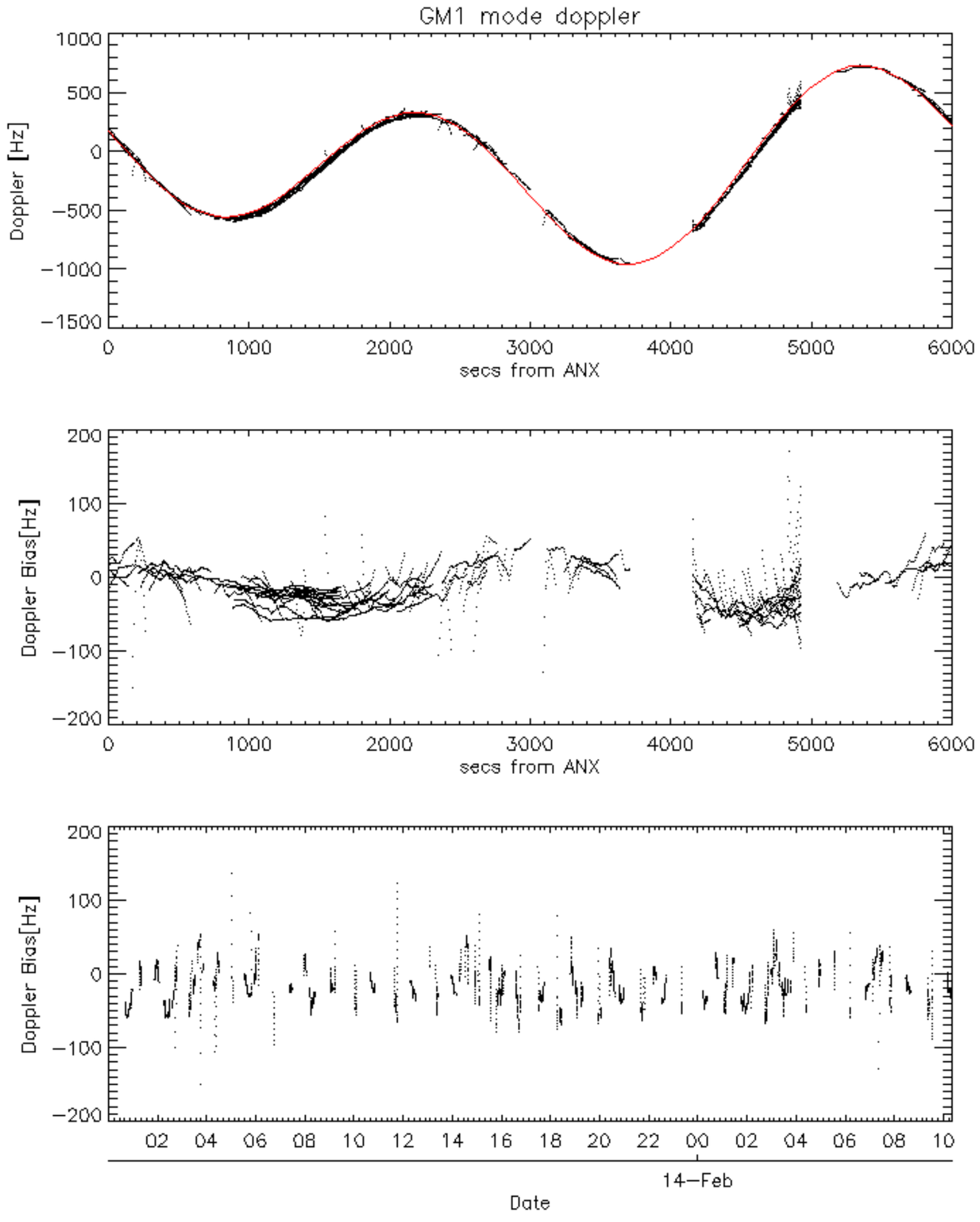
Preliminary report.The data is not yet controled

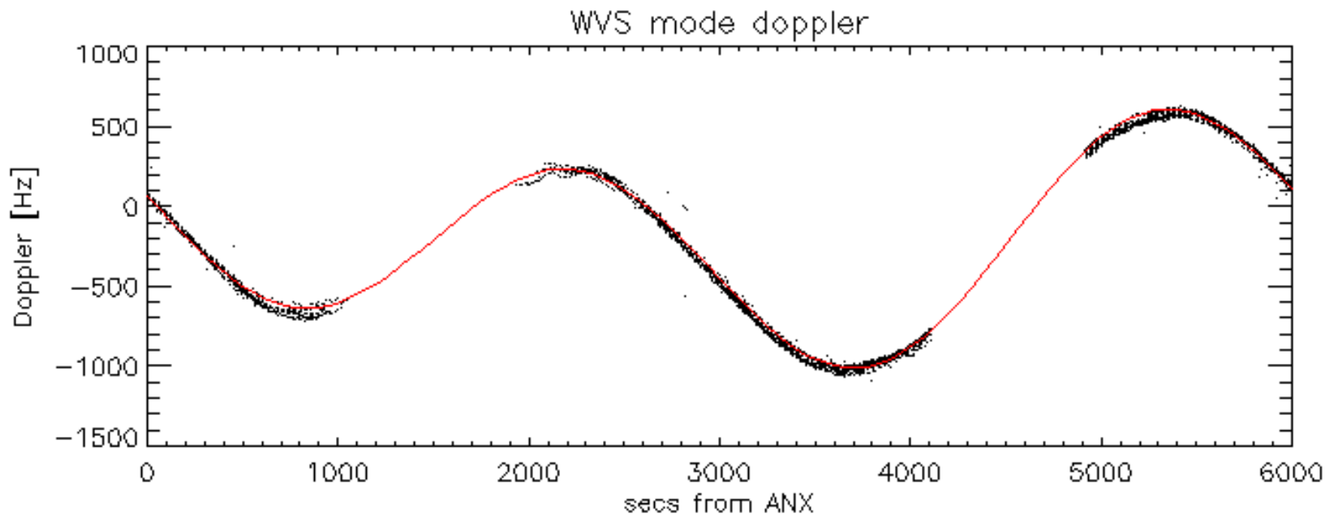

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

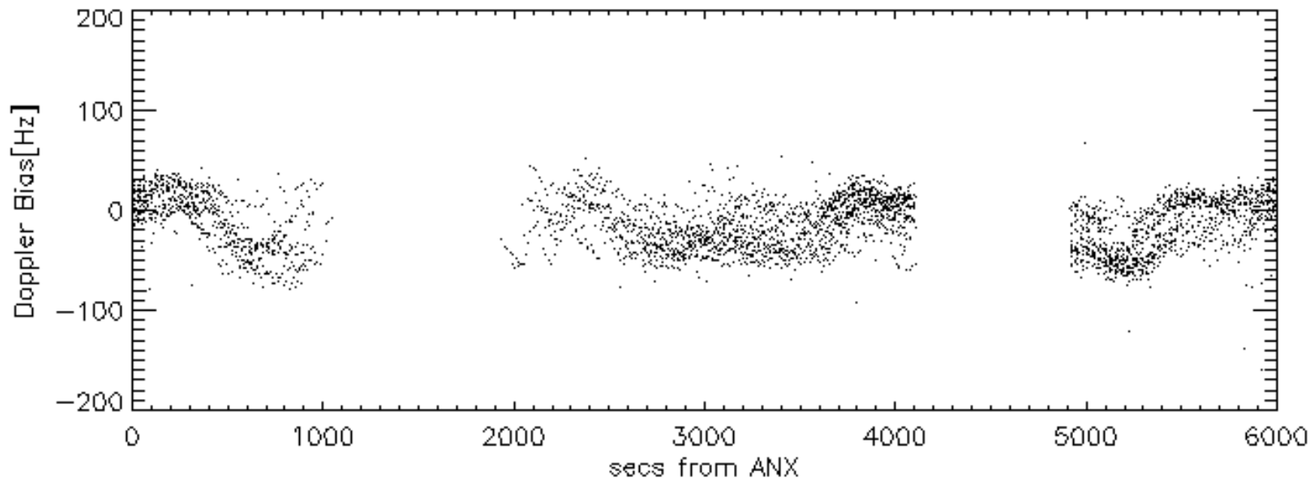

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

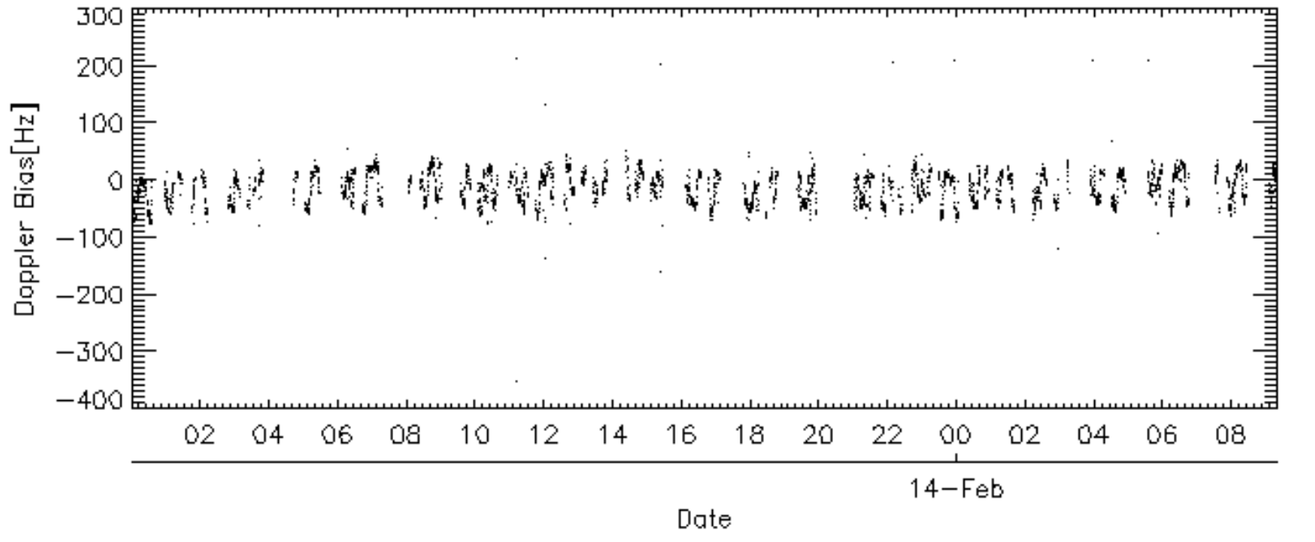

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

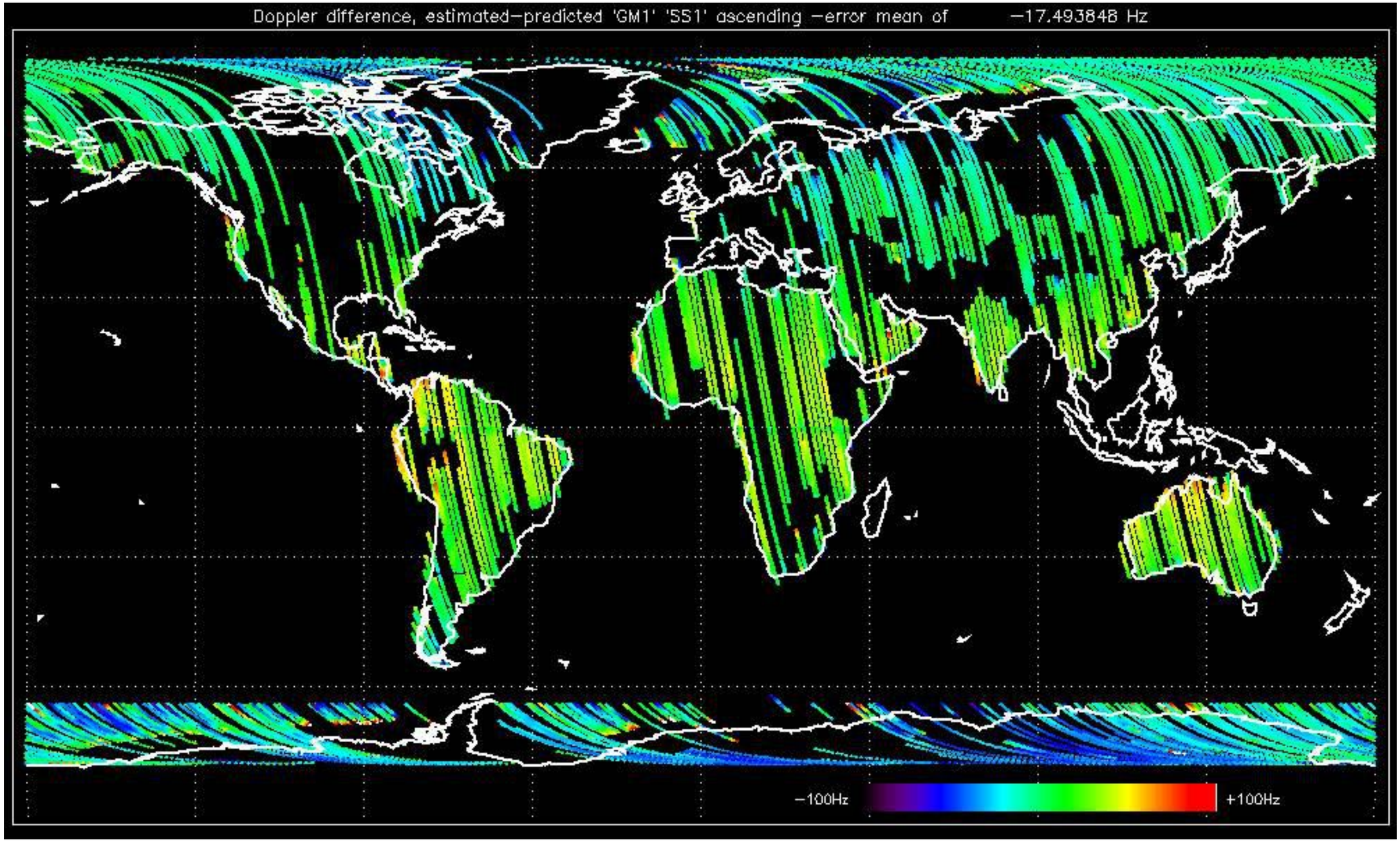

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

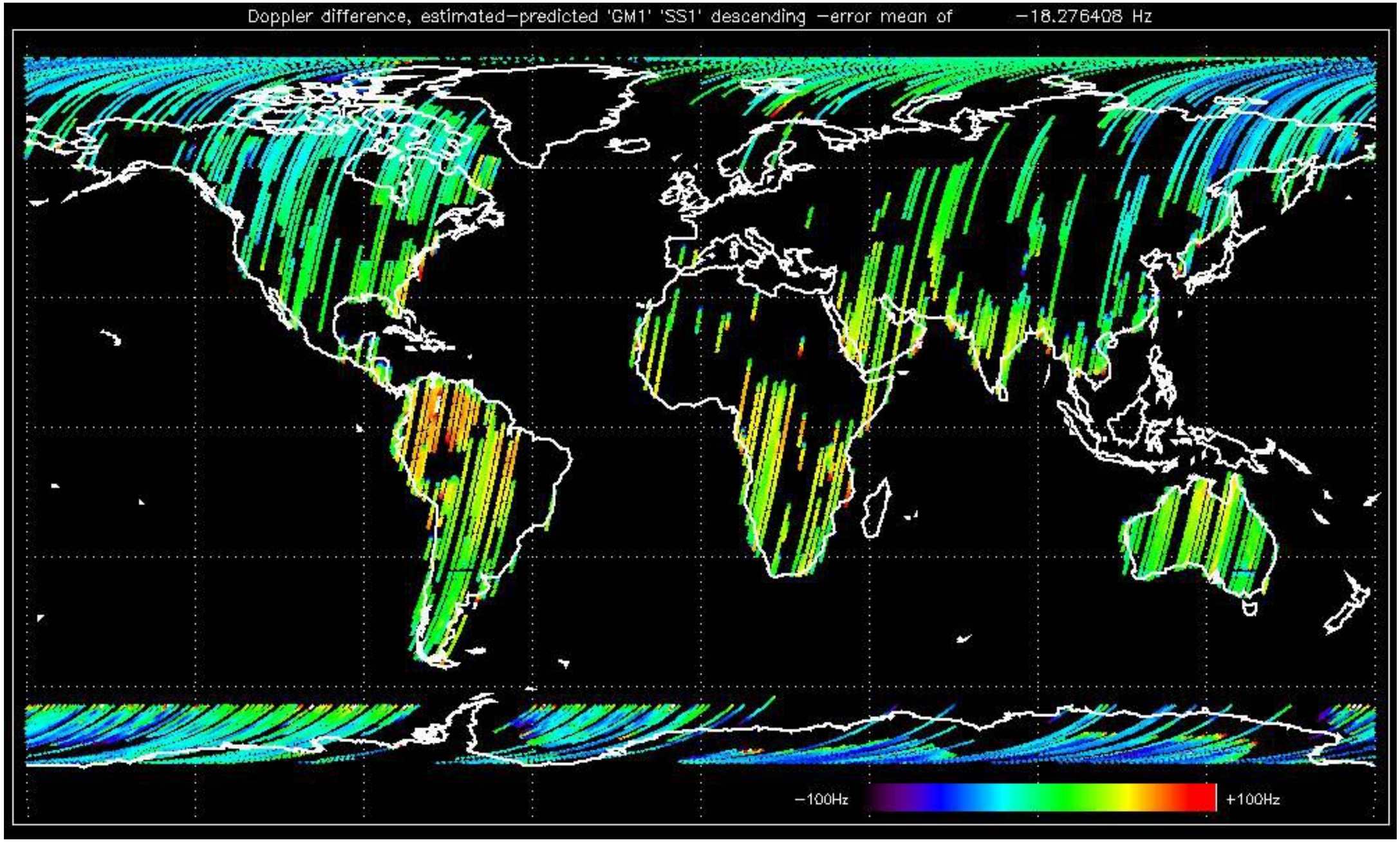

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
14−Feb
Date

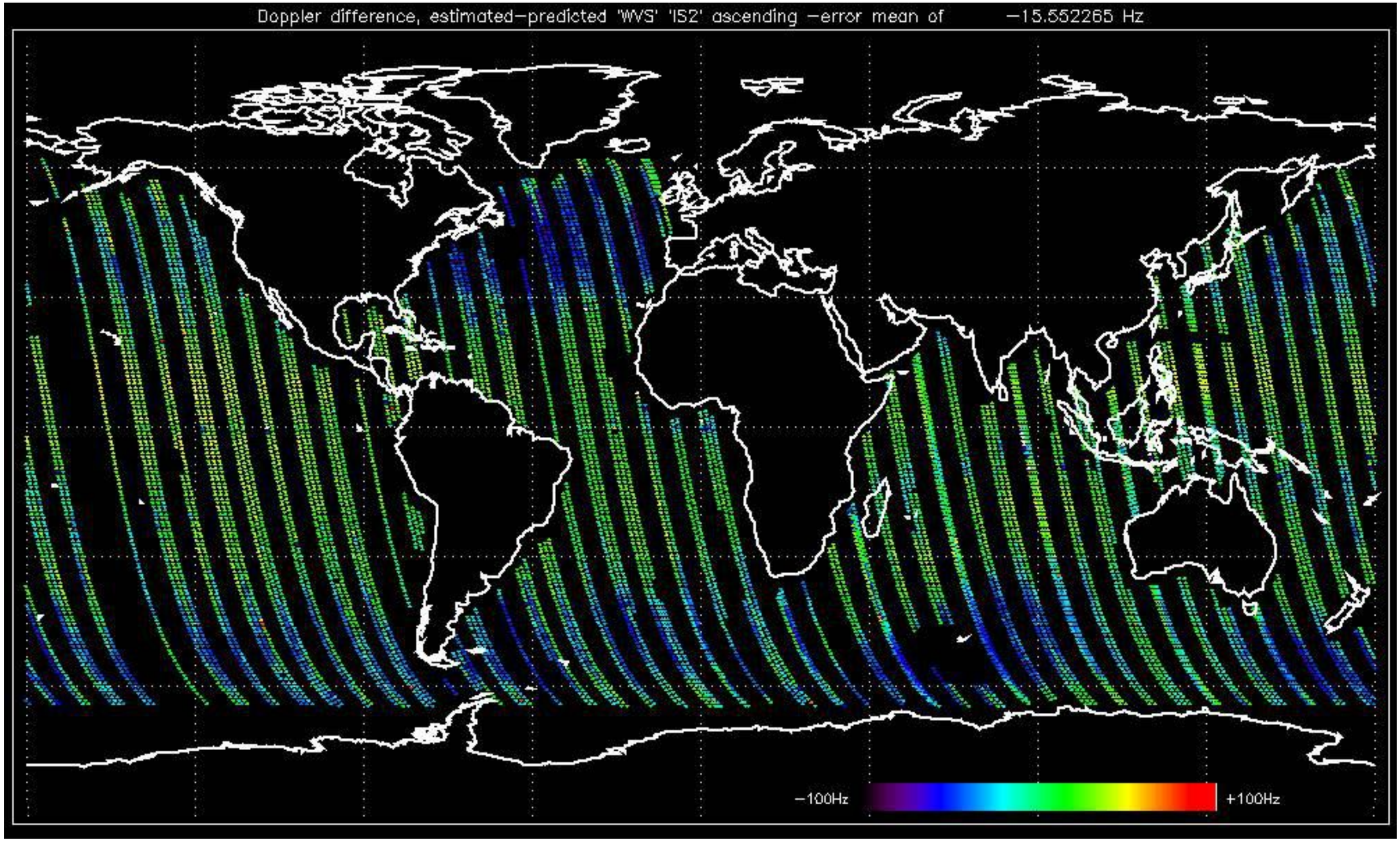

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

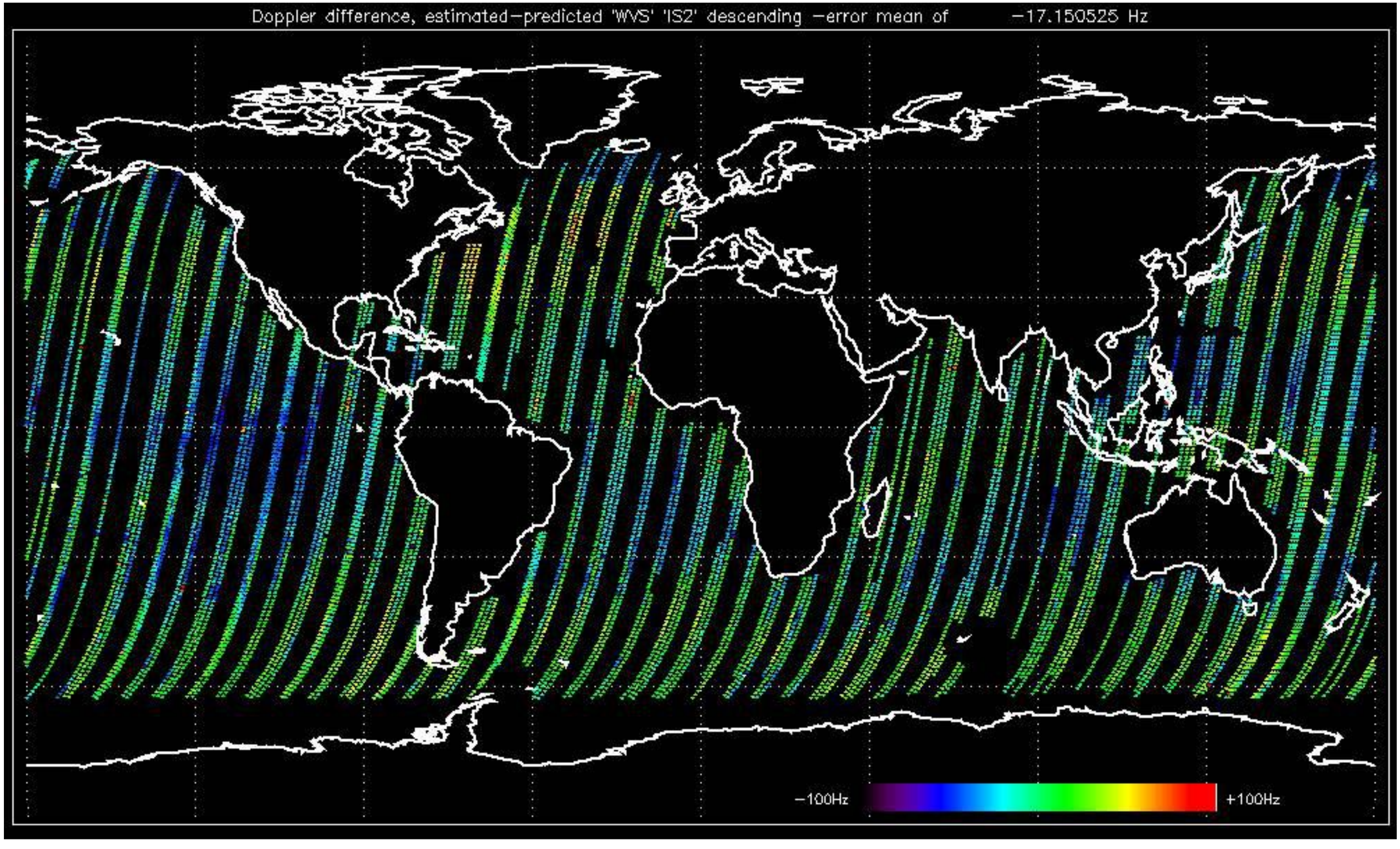

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.493848 Hz
−100Hz
+100Hz

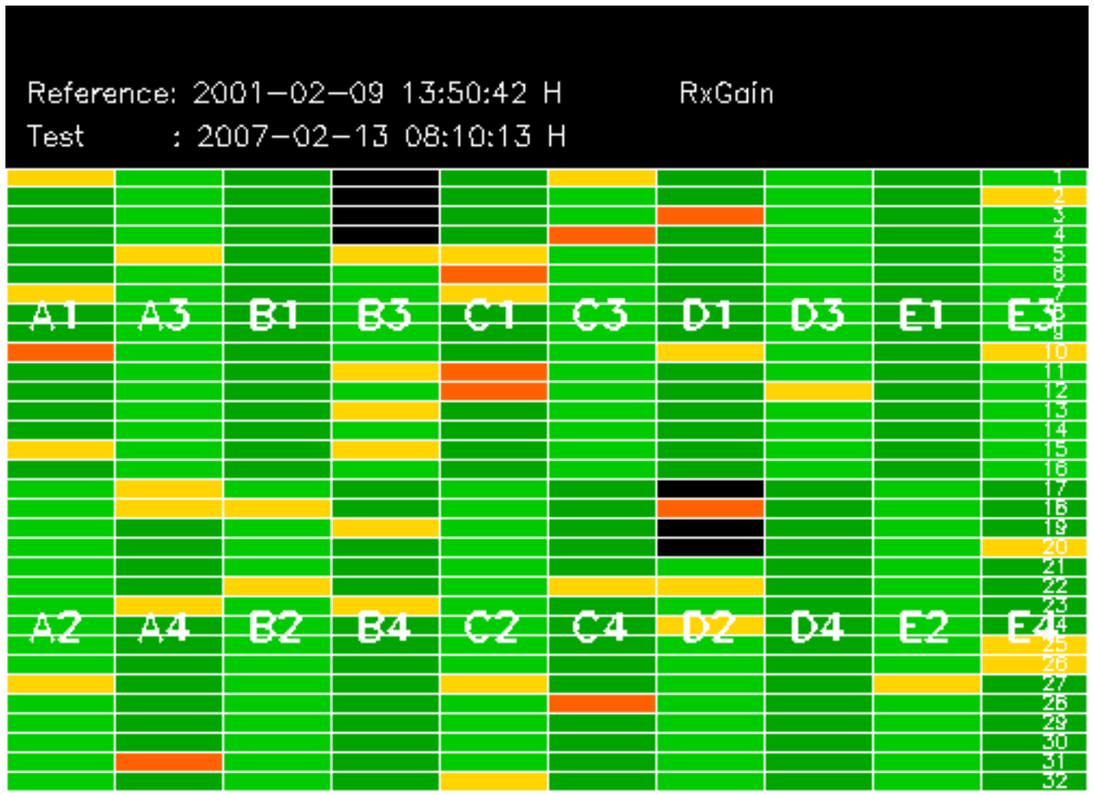

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.276408 Hz
−100Hz
+100Hz

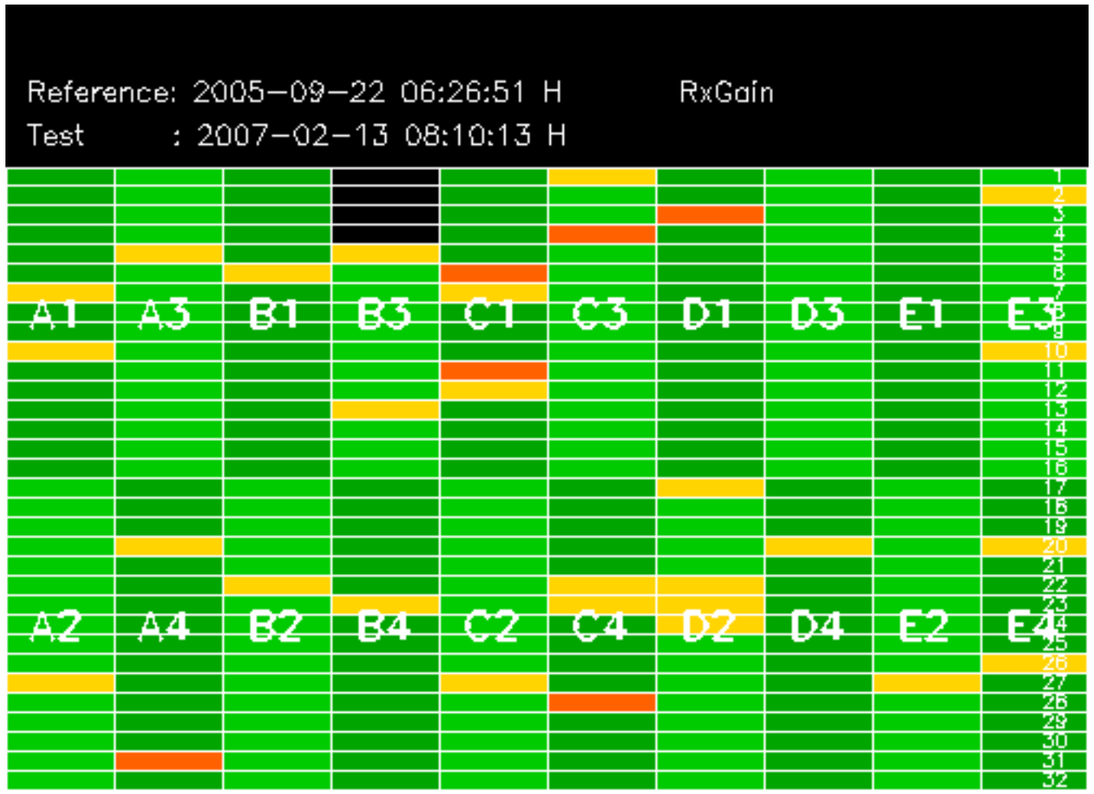

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.552265 Hz
−100Hz
+100Hz

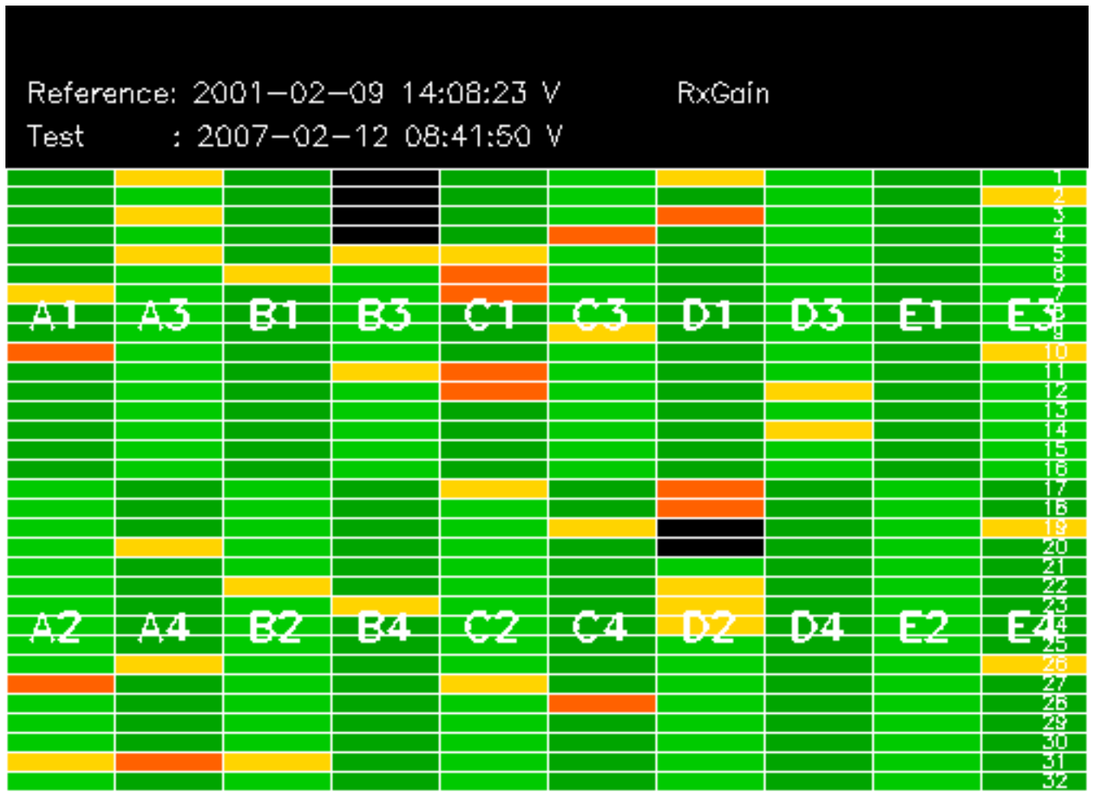

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −17.150525 Hz
−100Hz
+100Hz

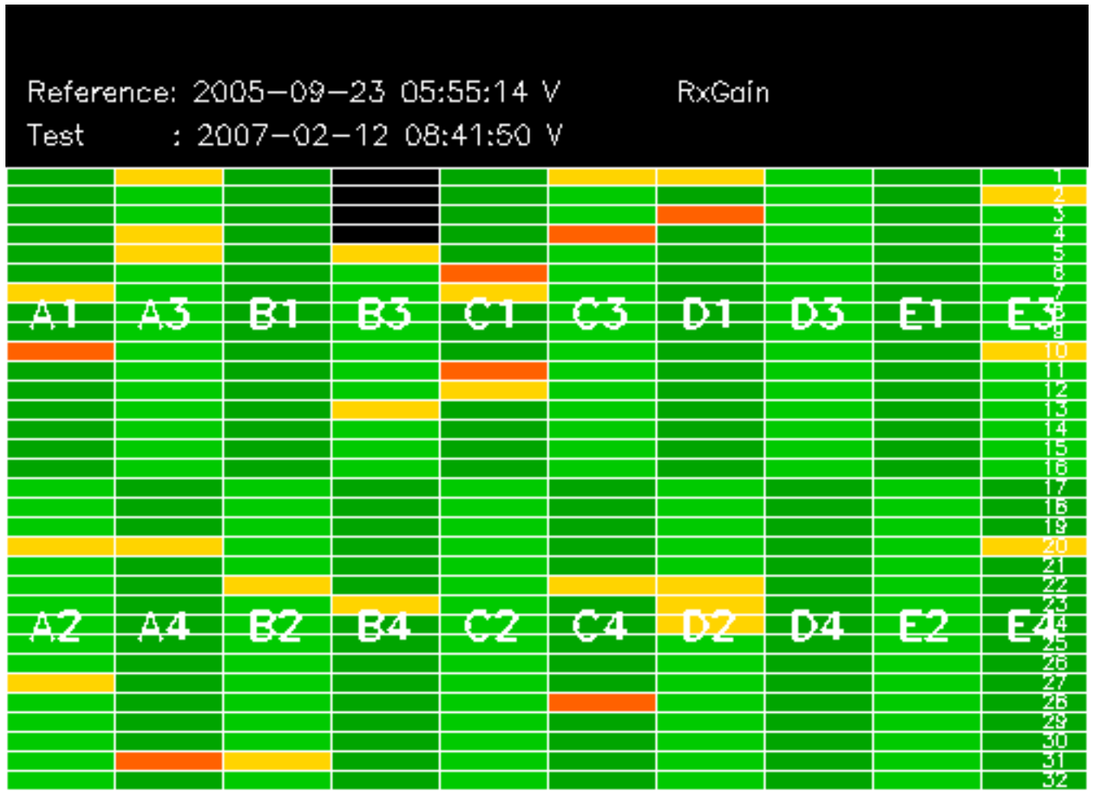
No anomalies observed on available MS products:

No anomalies observed.


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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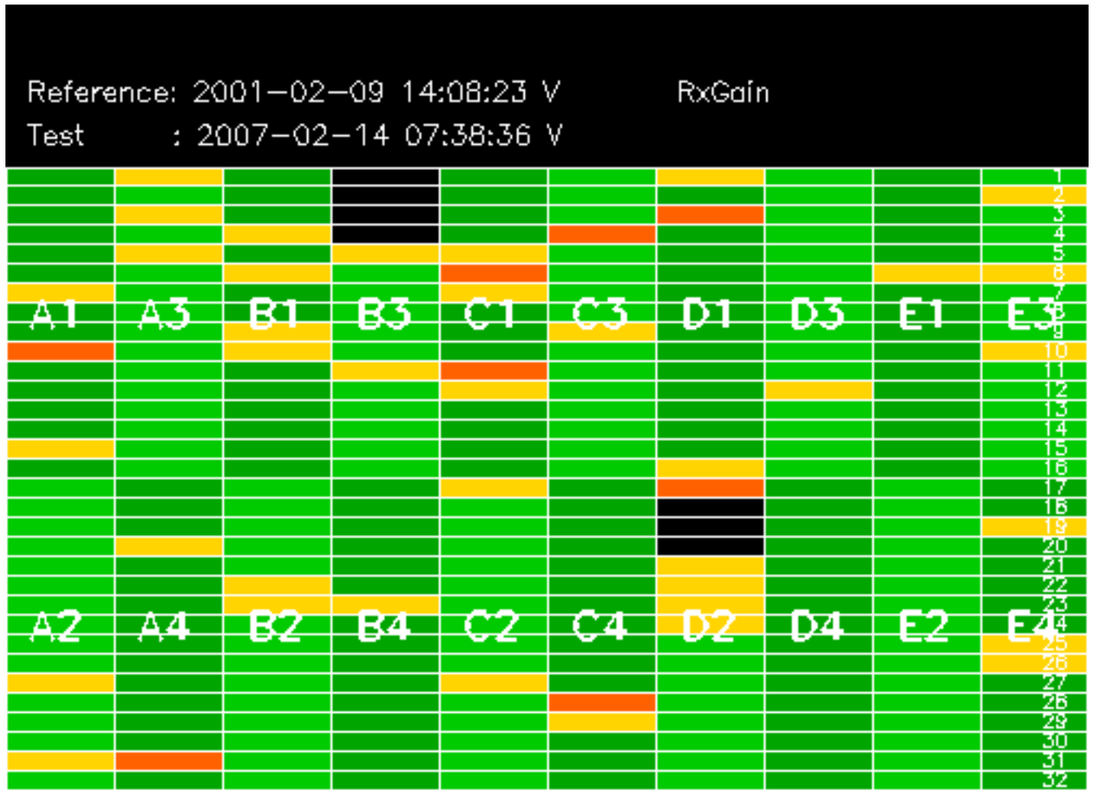
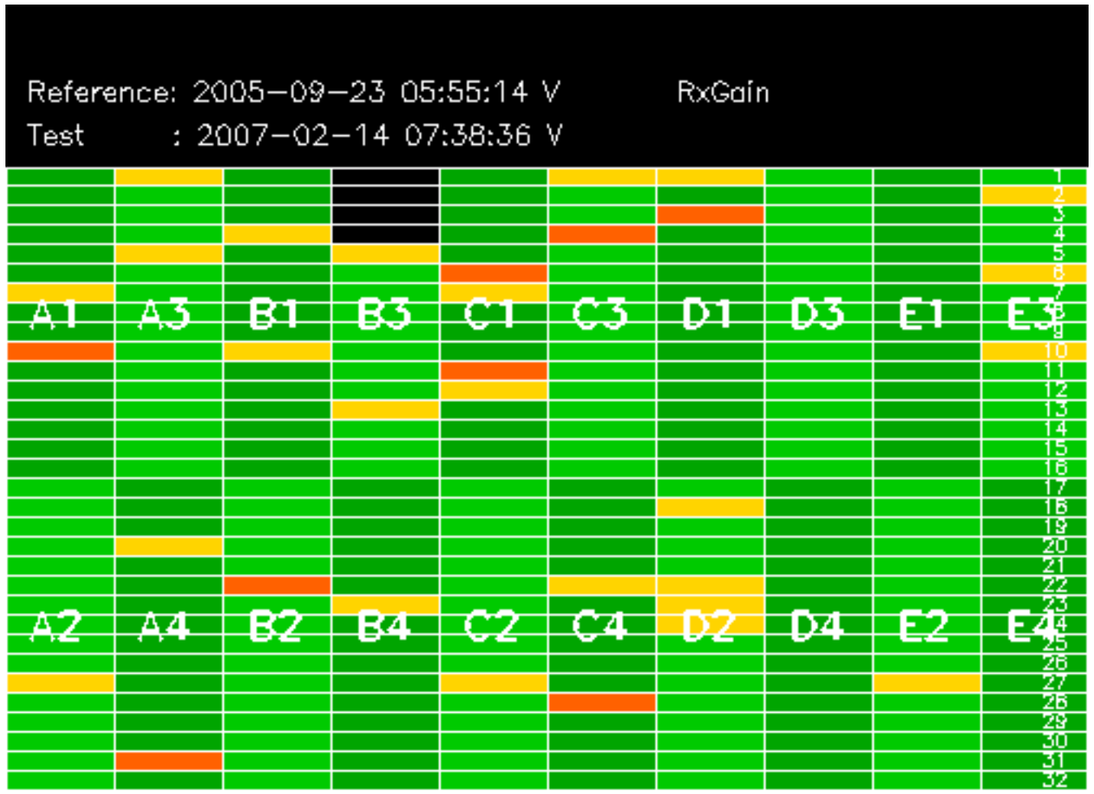
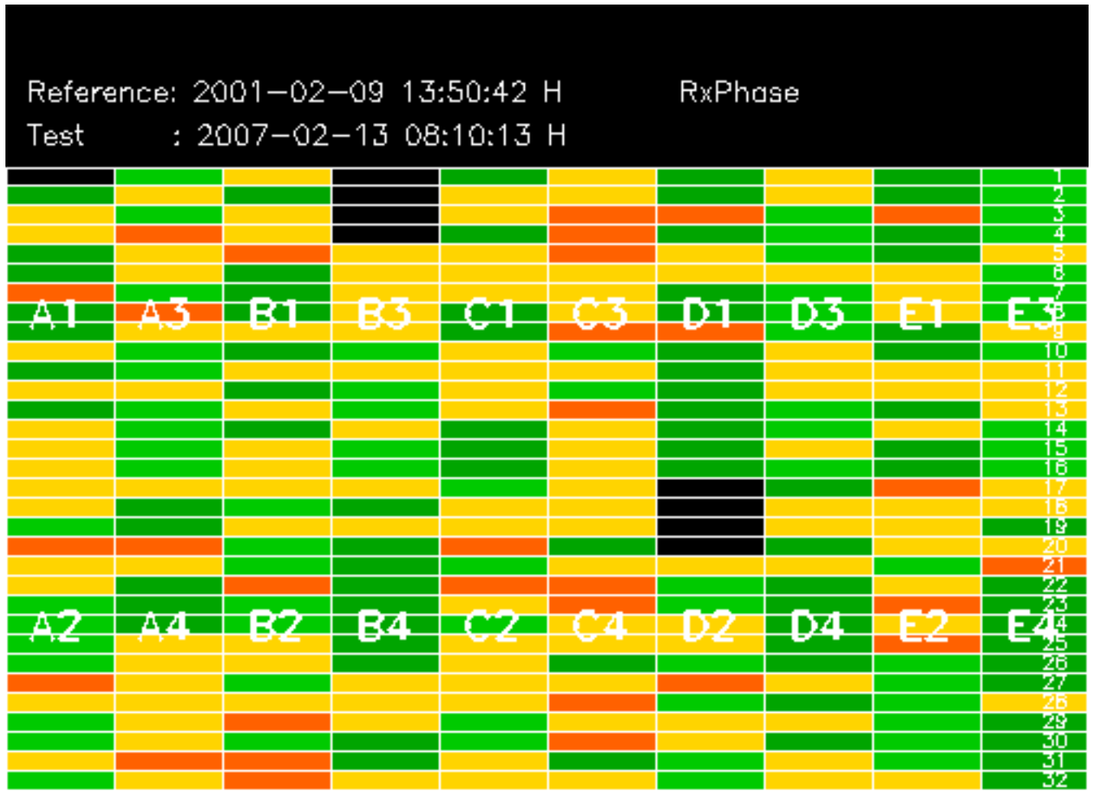
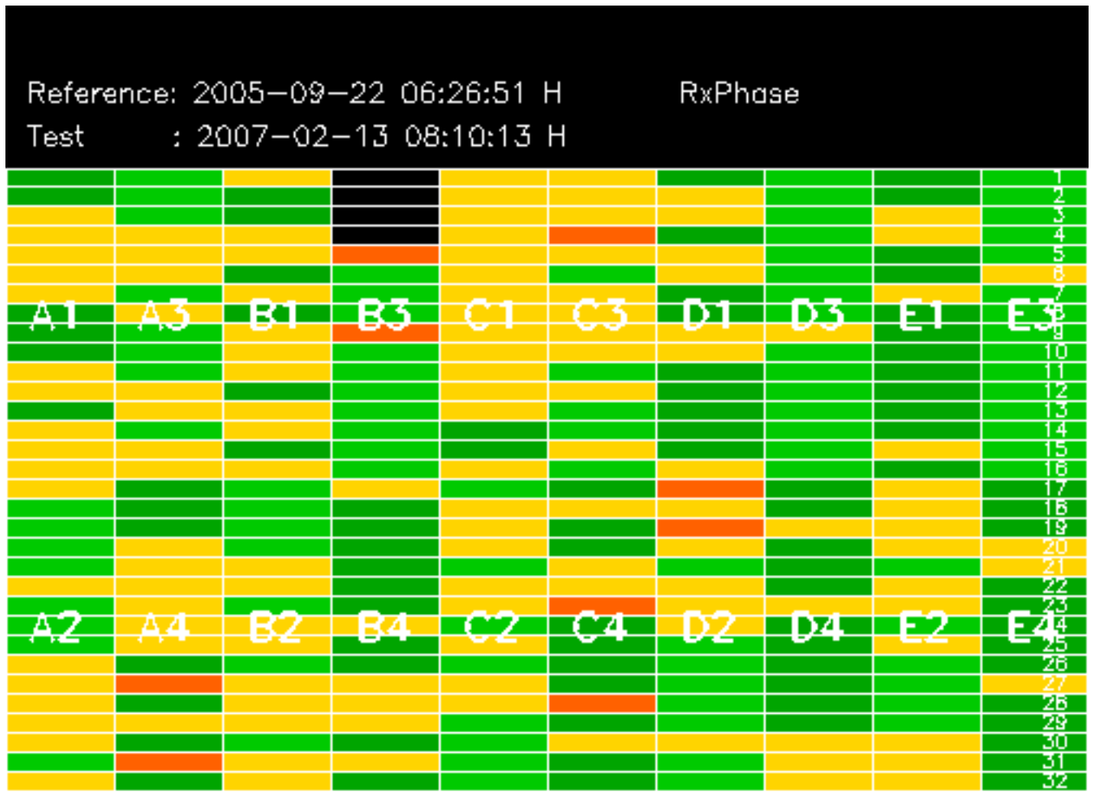

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-14 07:38:36 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-14 07:38:36 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 : 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


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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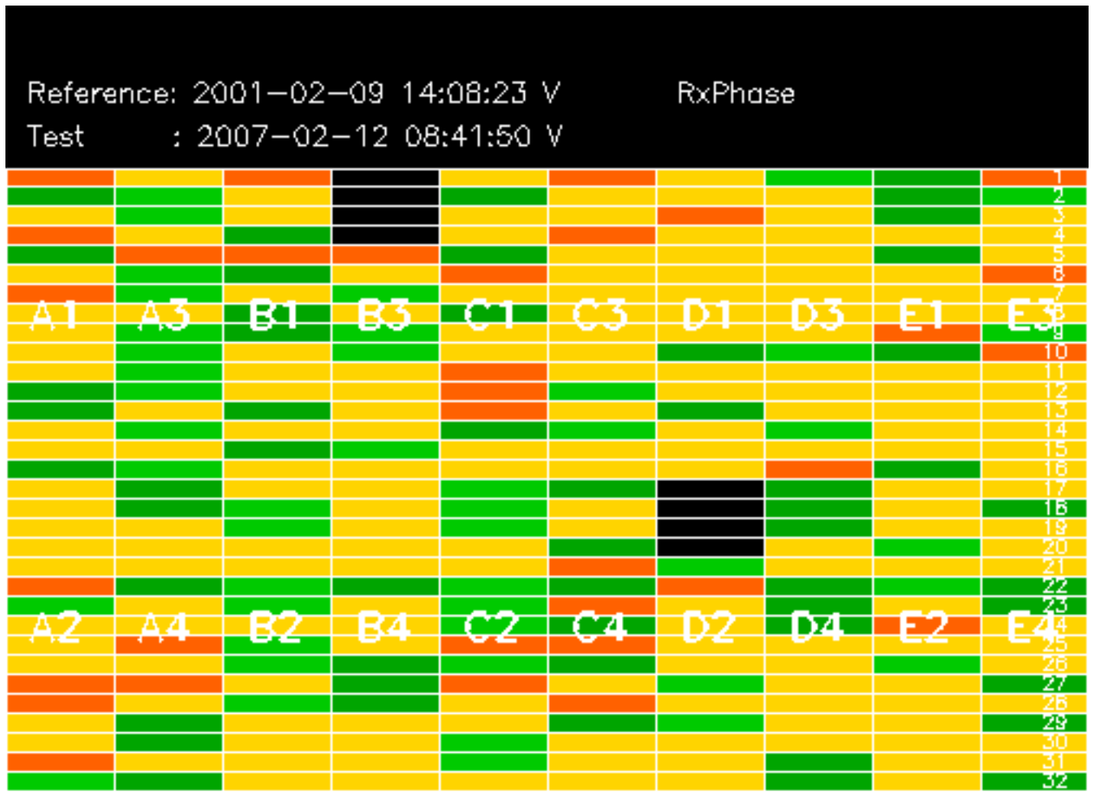
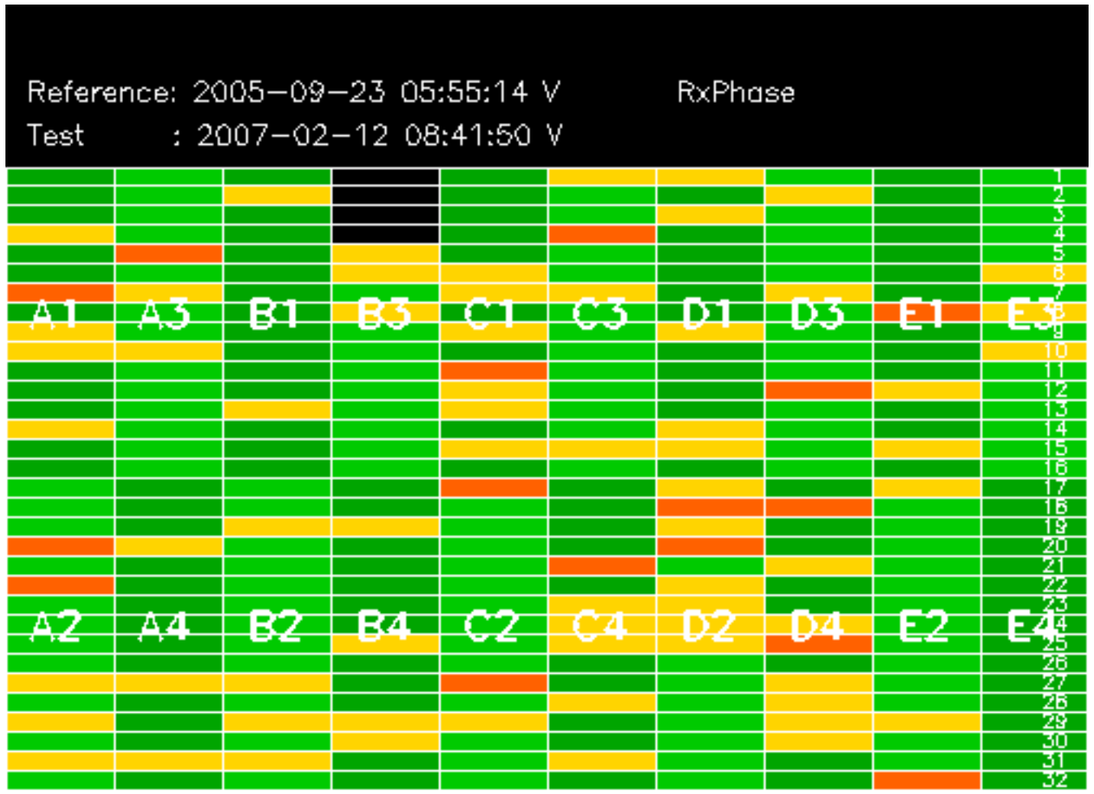

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-12 08:41:50 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
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
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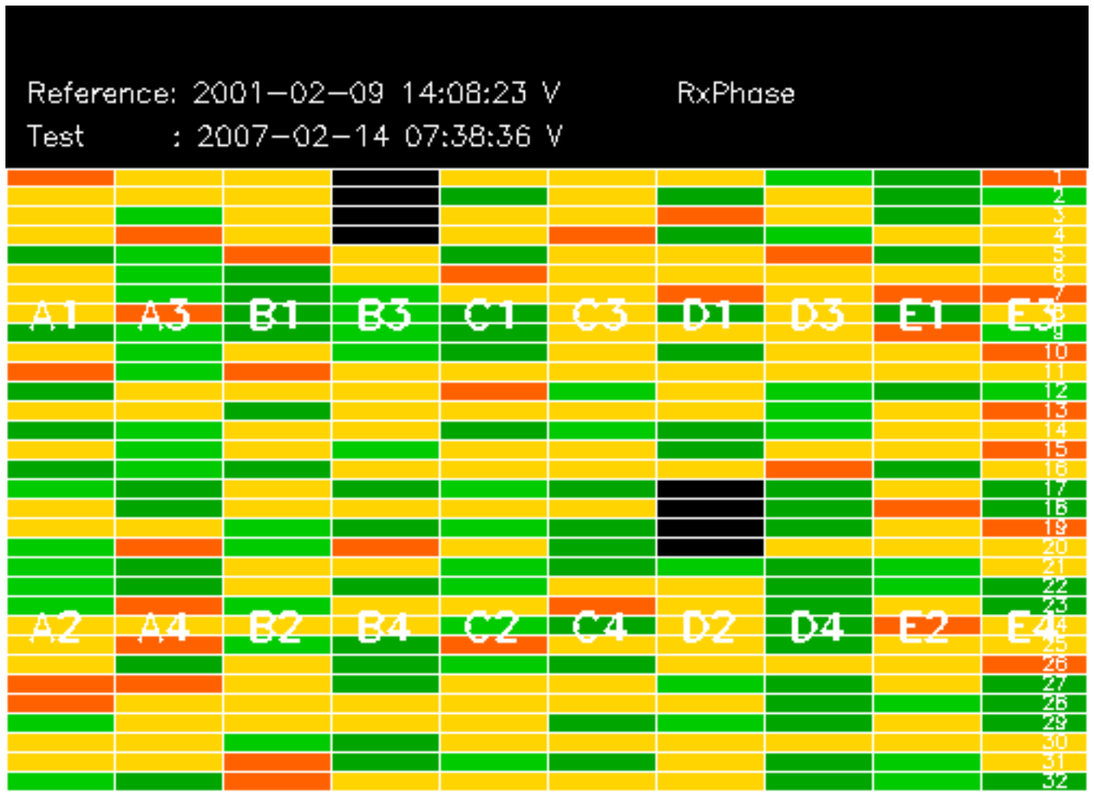
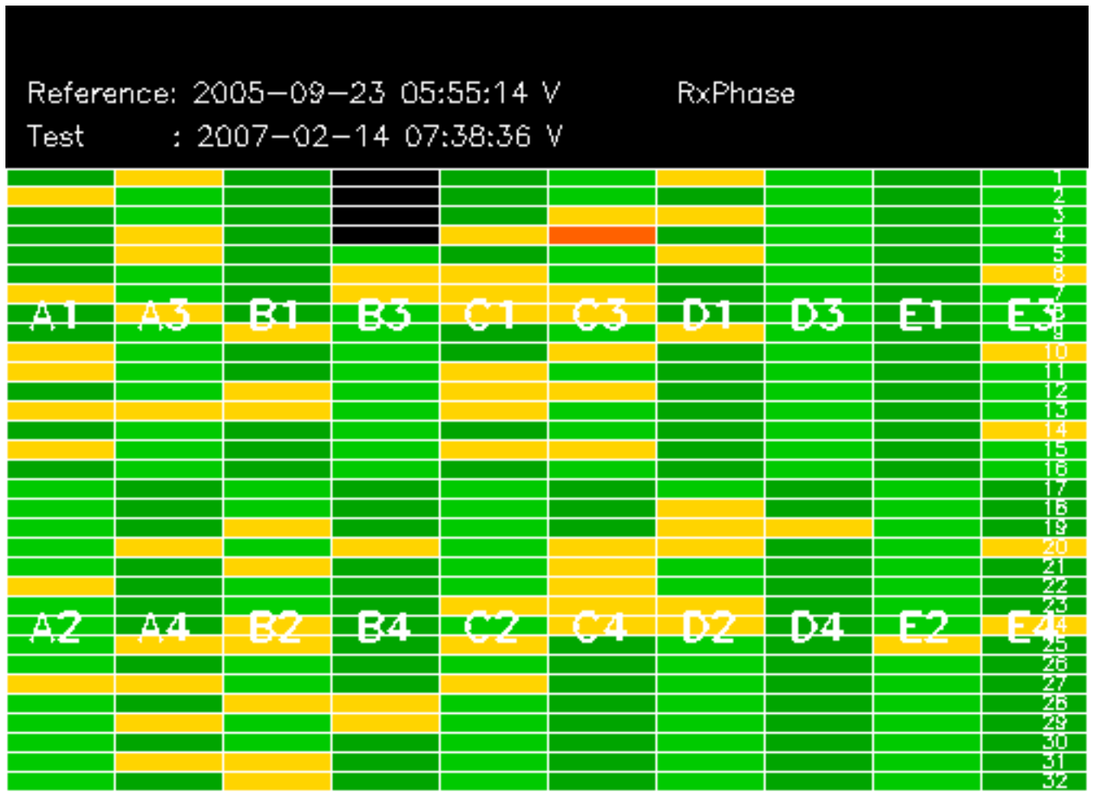

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-14 07:38:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-14 07:38:36 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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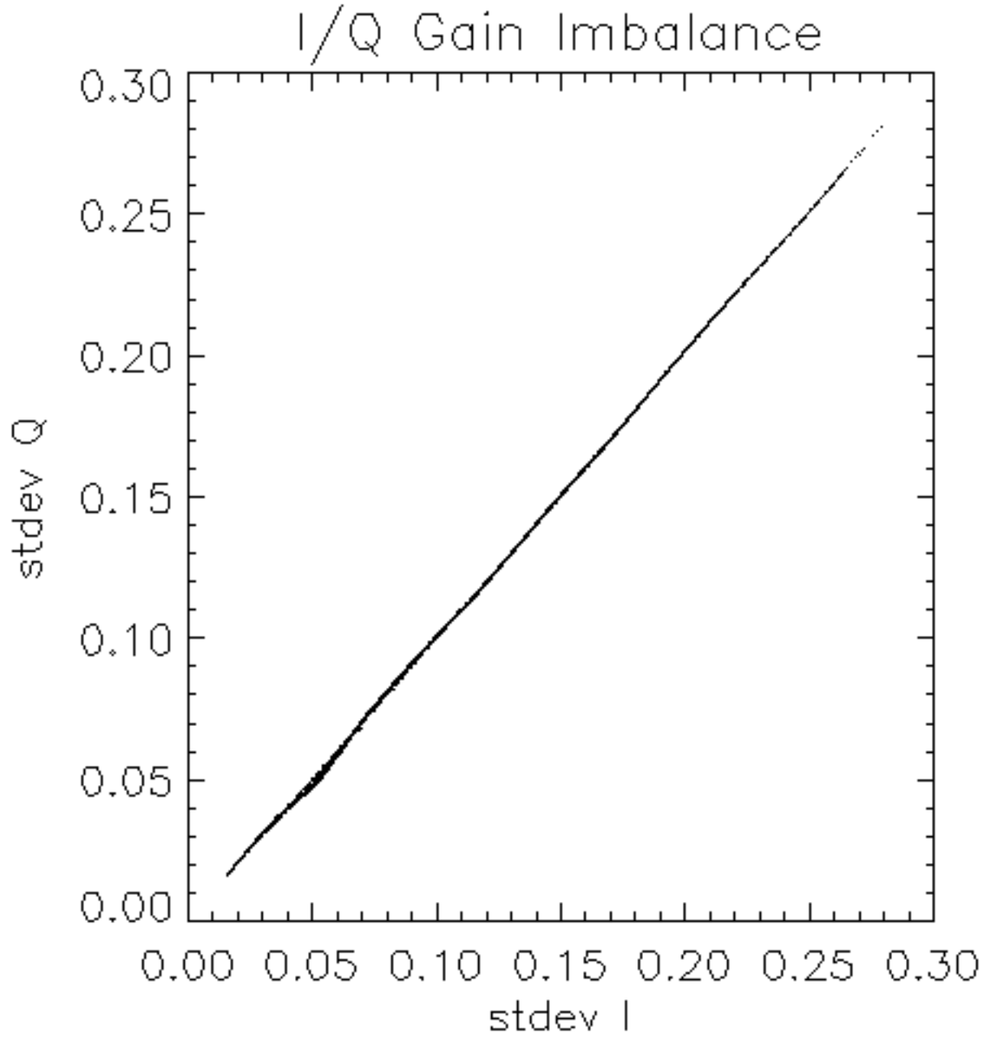
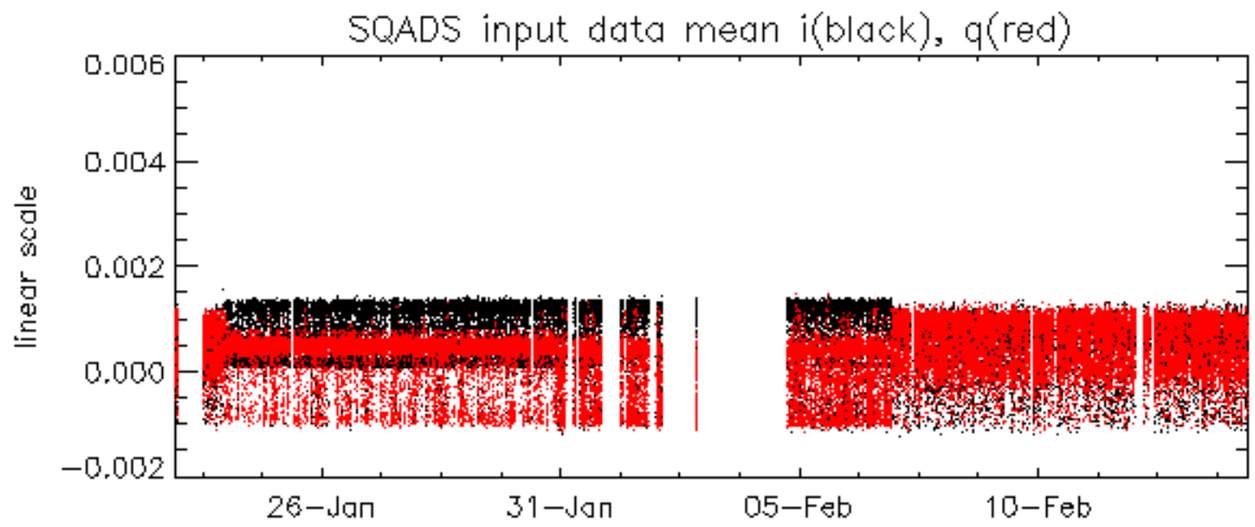
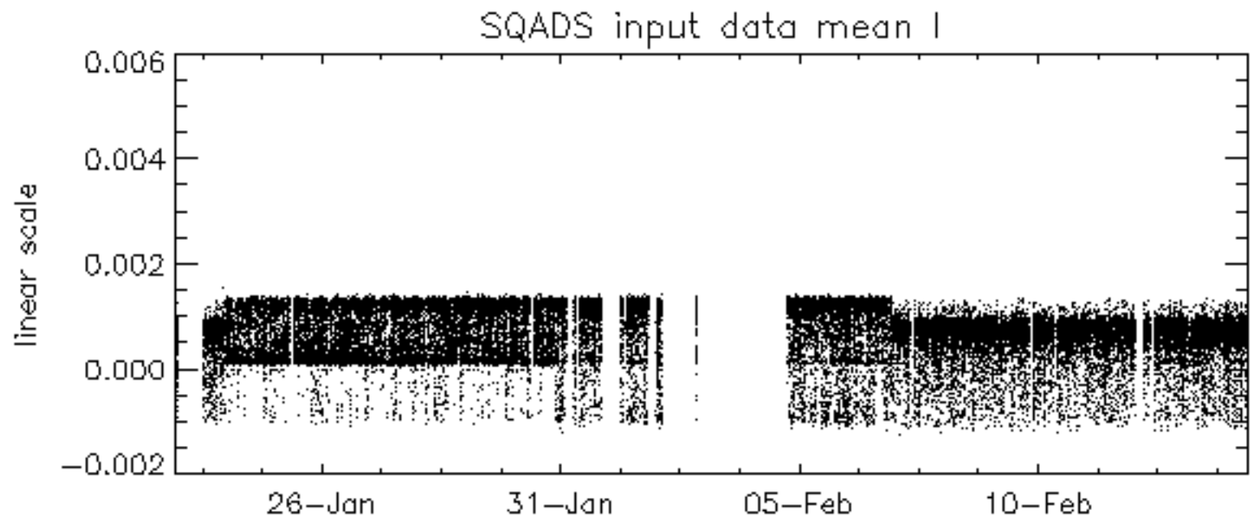
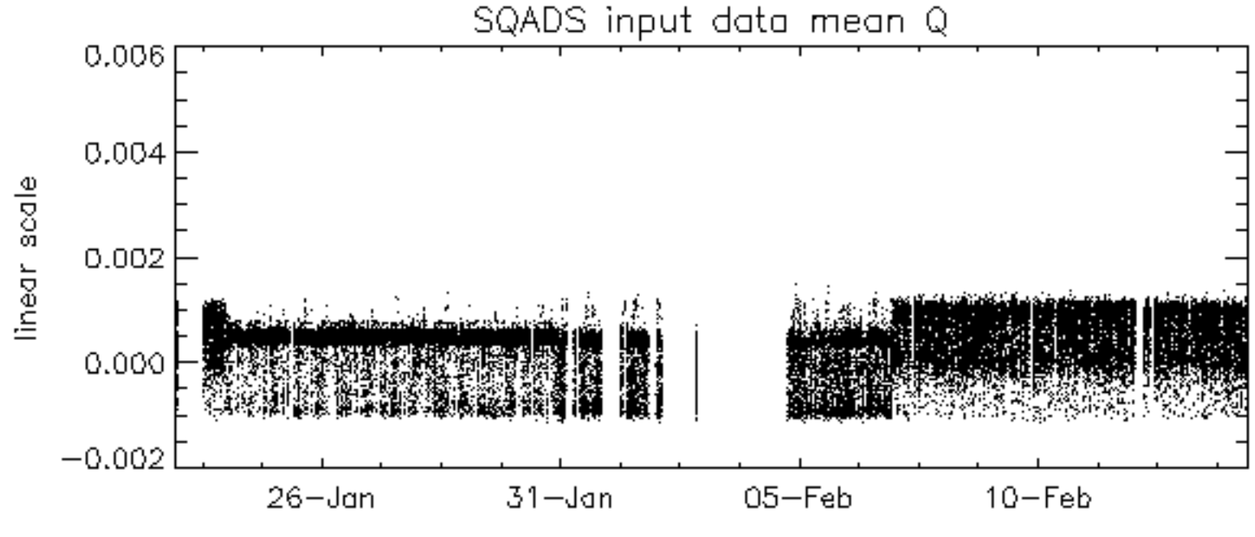
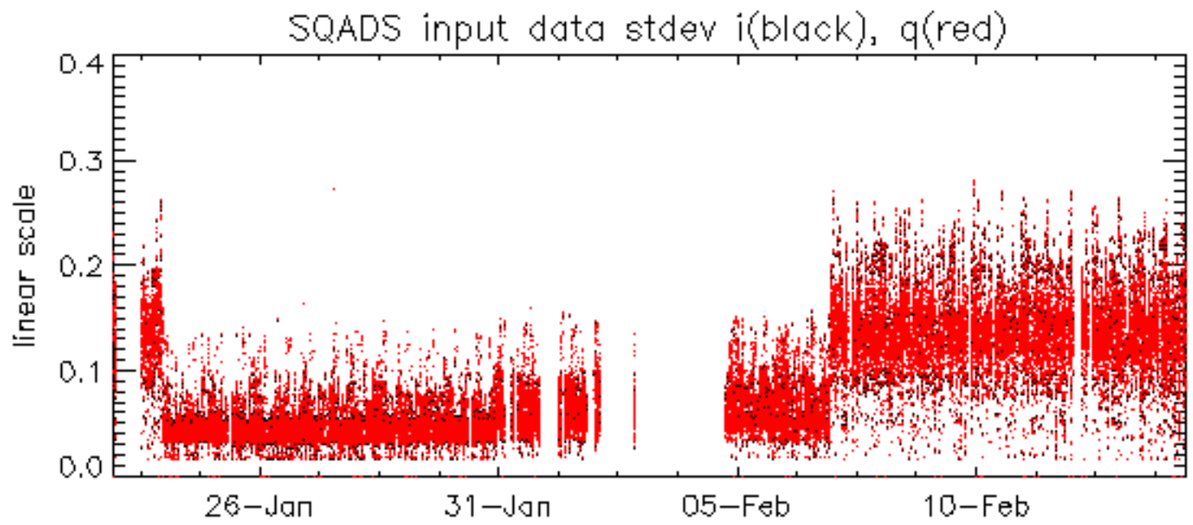
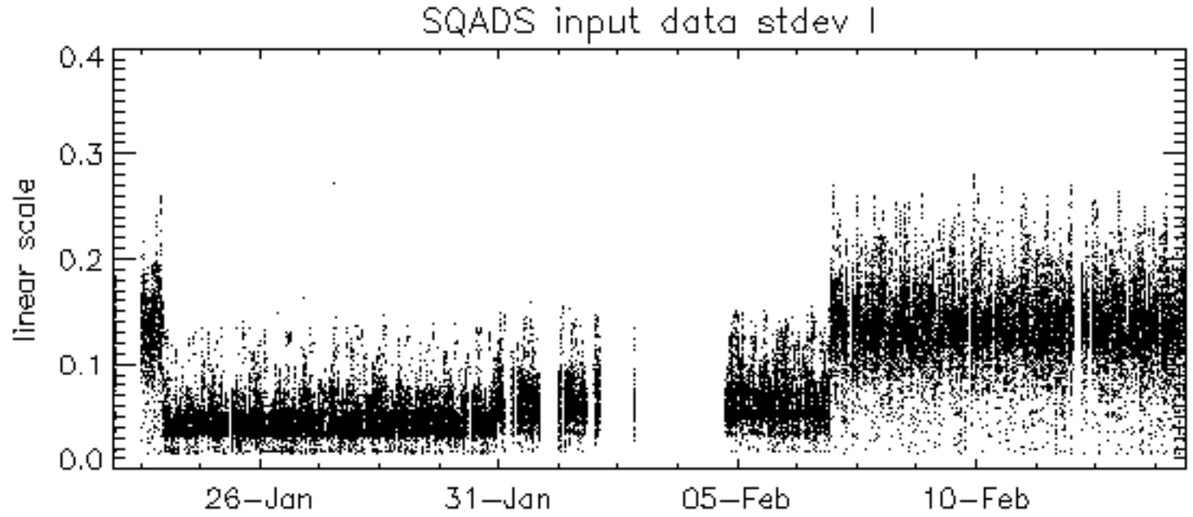

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

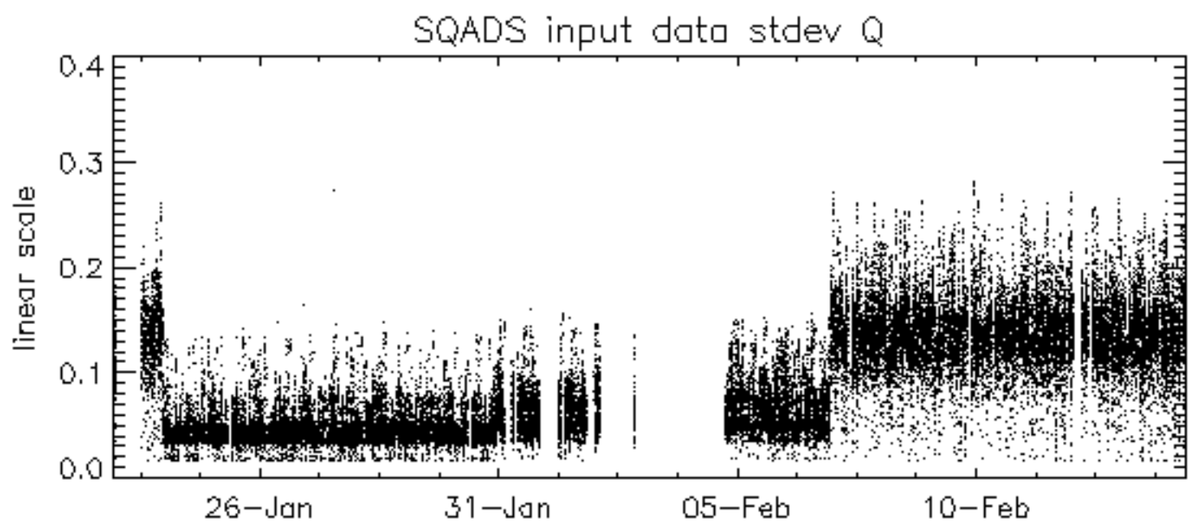

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb

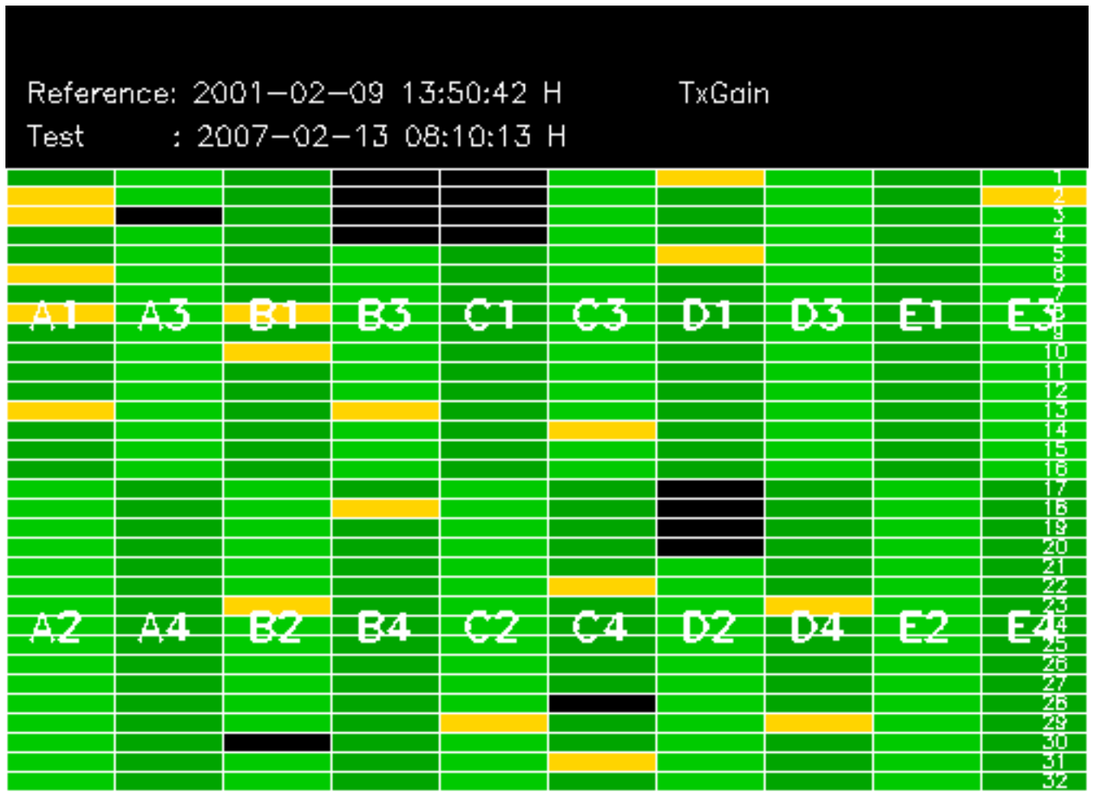

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb

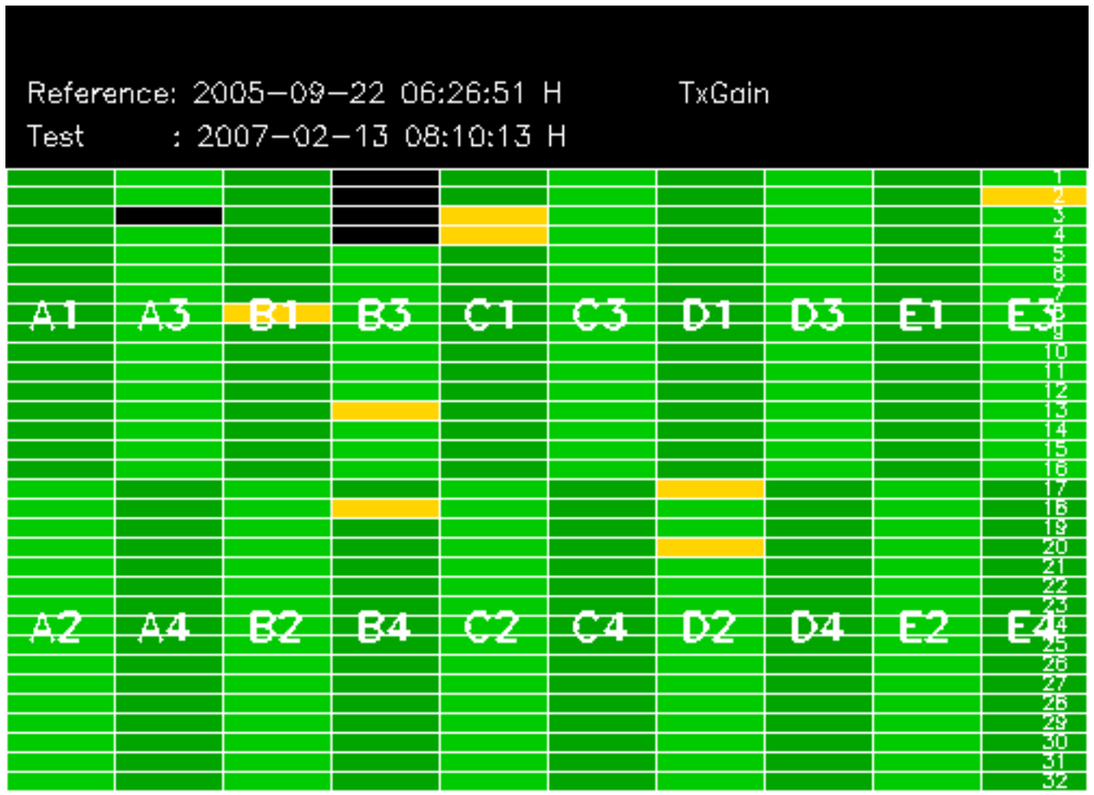

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb


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 : 2007-02-13 08:10:13 H
TxGain
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
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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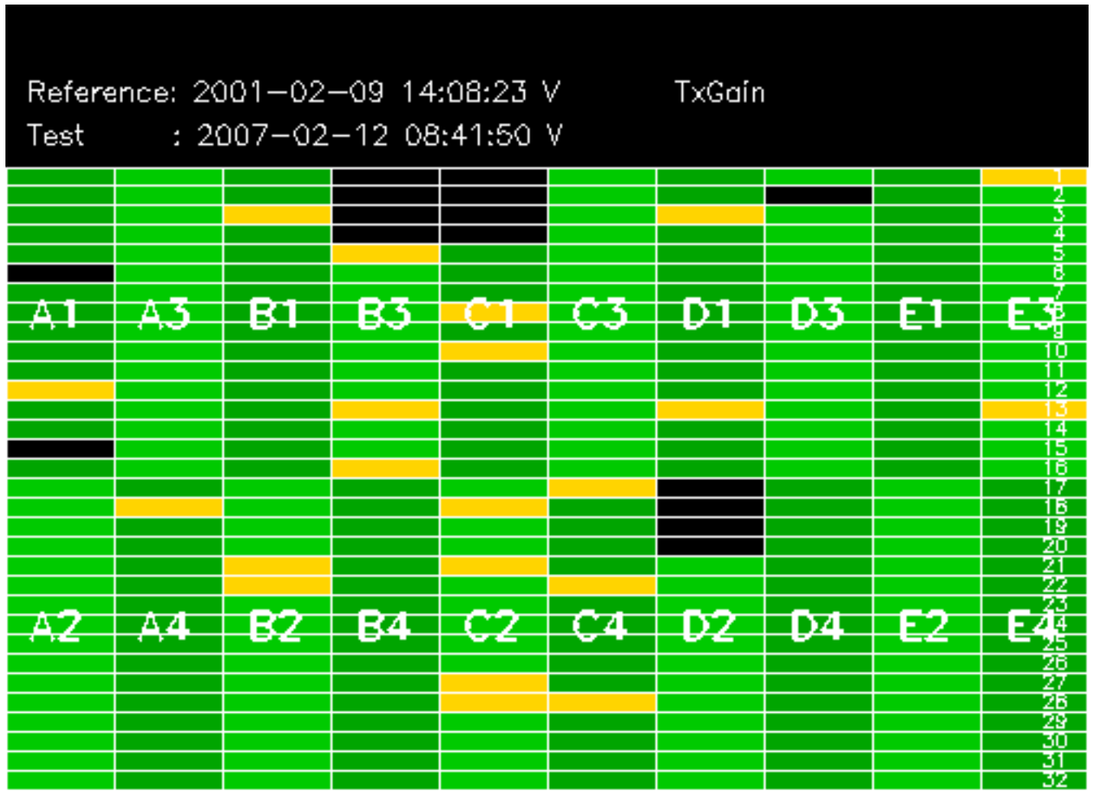
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-12 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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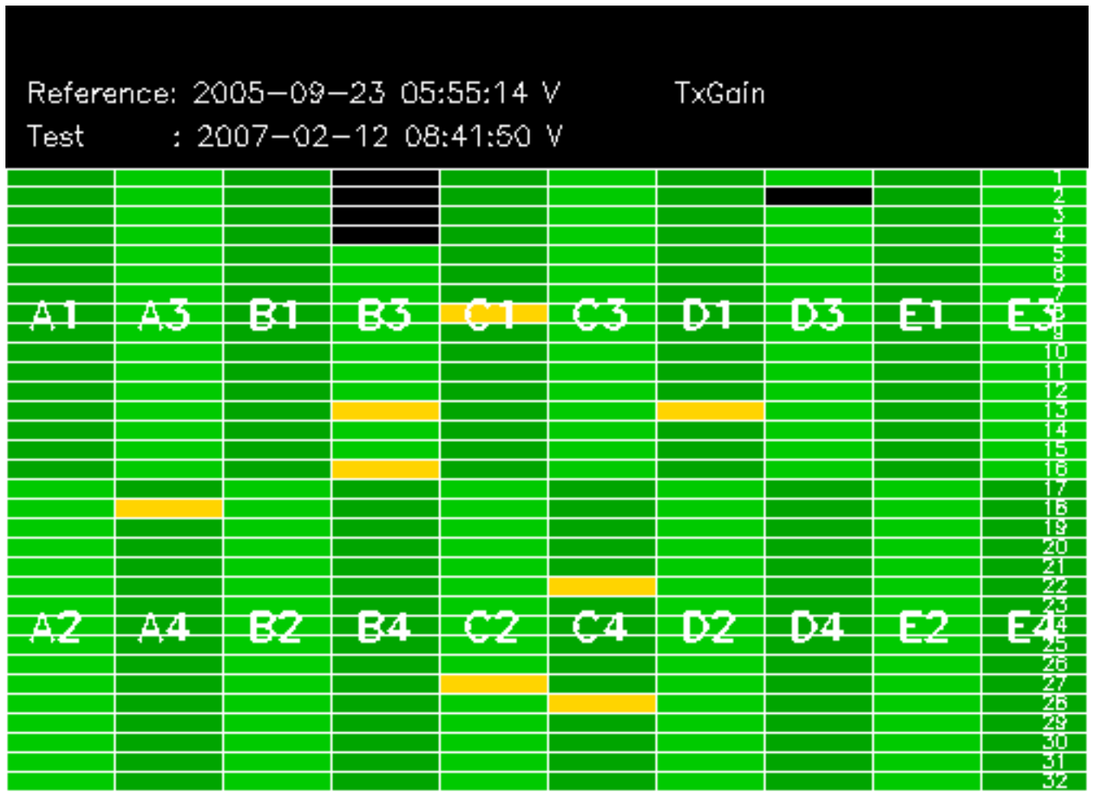
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-12 08:41:50 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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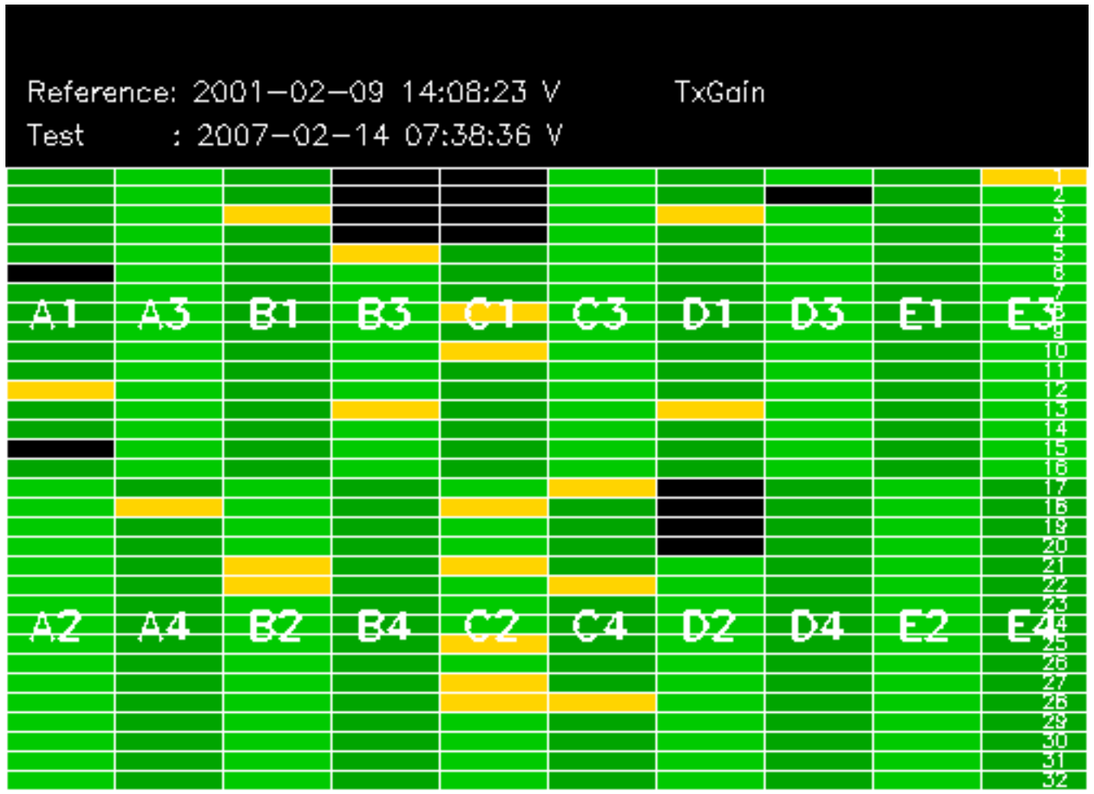
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-14 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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Reference: 2005-09-23 05:55:14 V
Test : 2007-02-14 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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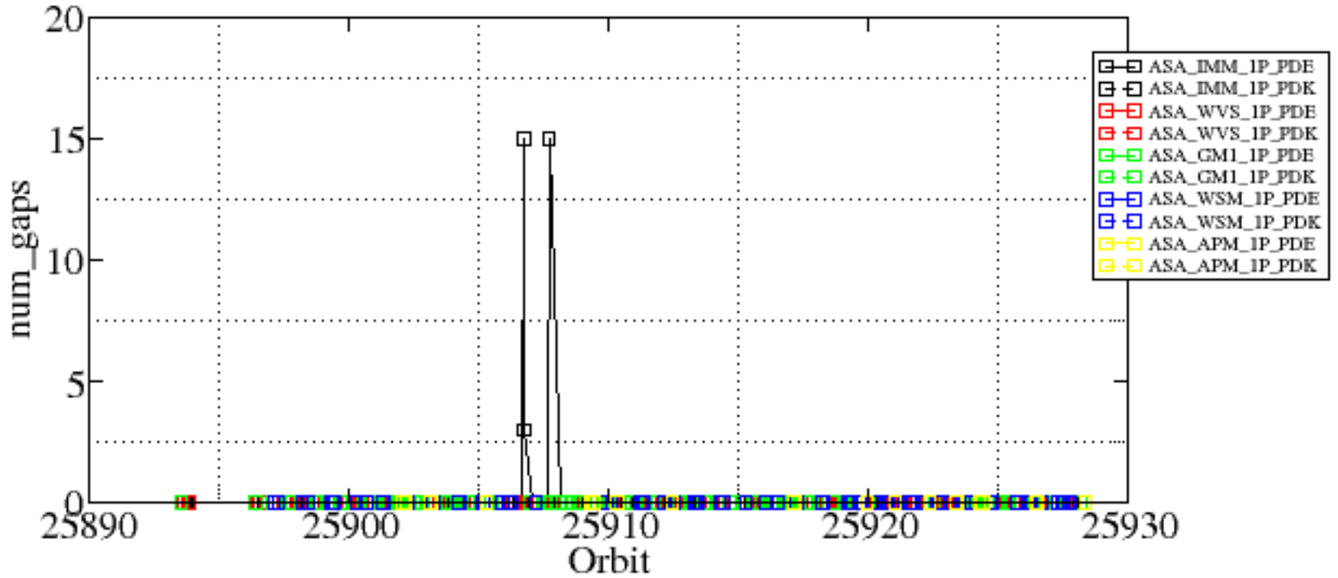
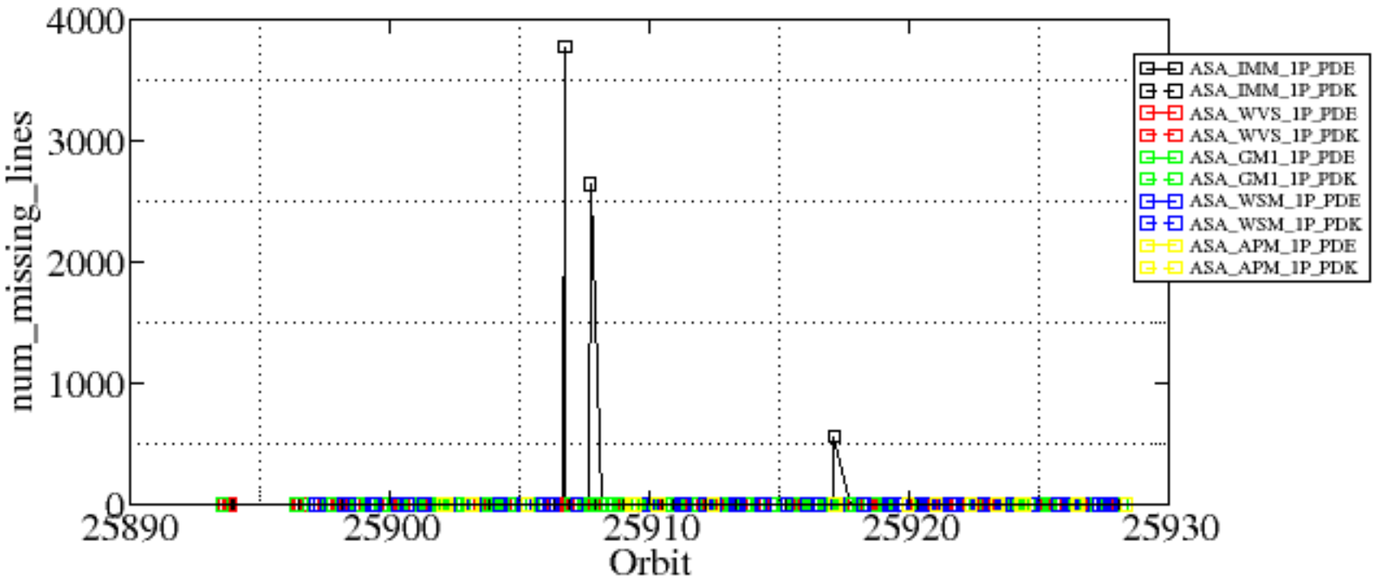
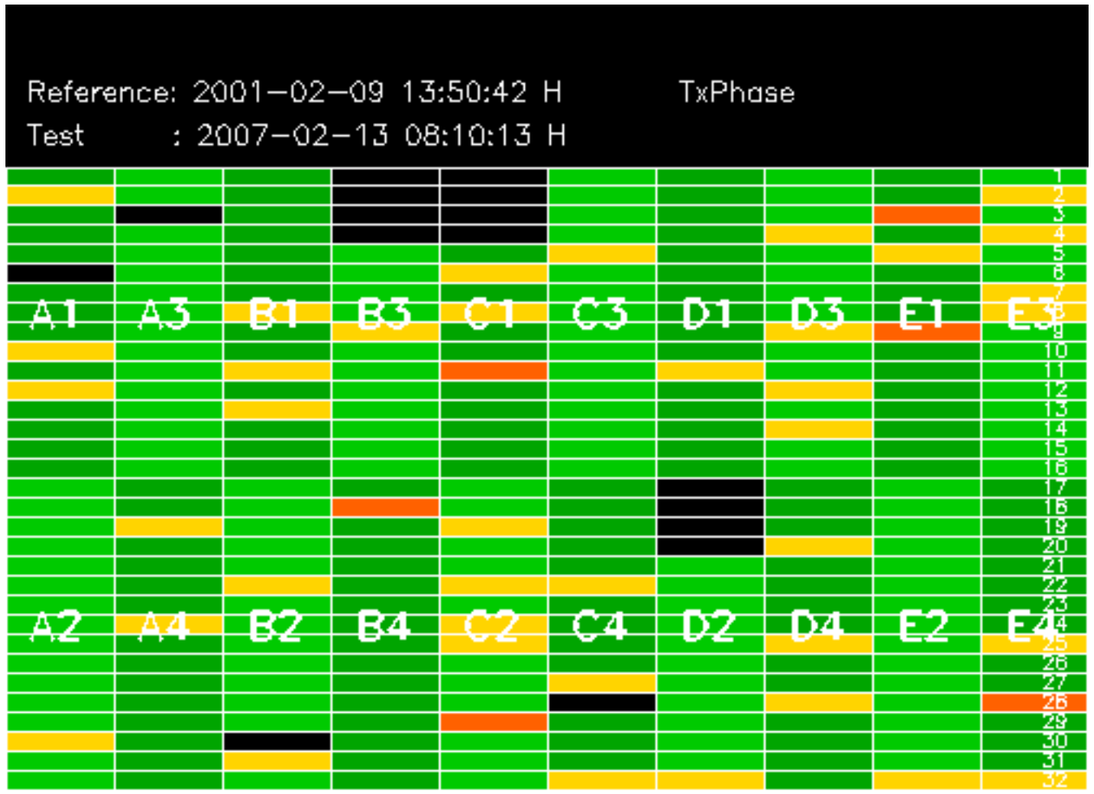
Summary of analysis for the last 3 days 2007021[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070212_221218_000001072055_00301_25906_5131.N1 </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_IMM_1PNPDE20070213_153643_000000802055_00312_25917_6362.N1 </td> <td>0 </td> <td>558 </td></tr>
</table>


num_gaps
20
15
10
5
0
25890
25900
25910
25920
25930
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
25890
25900
25910
25920
25930
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 : 2007-02-13 08:10:13 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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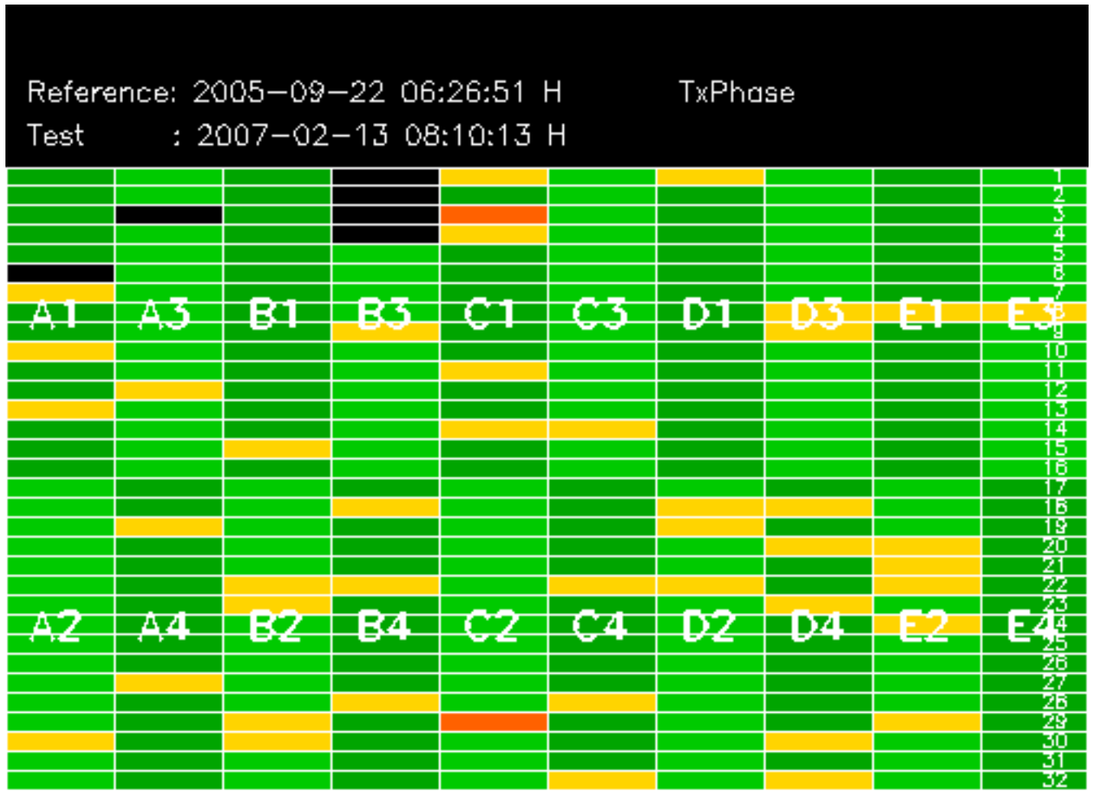
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-13 08:10:13 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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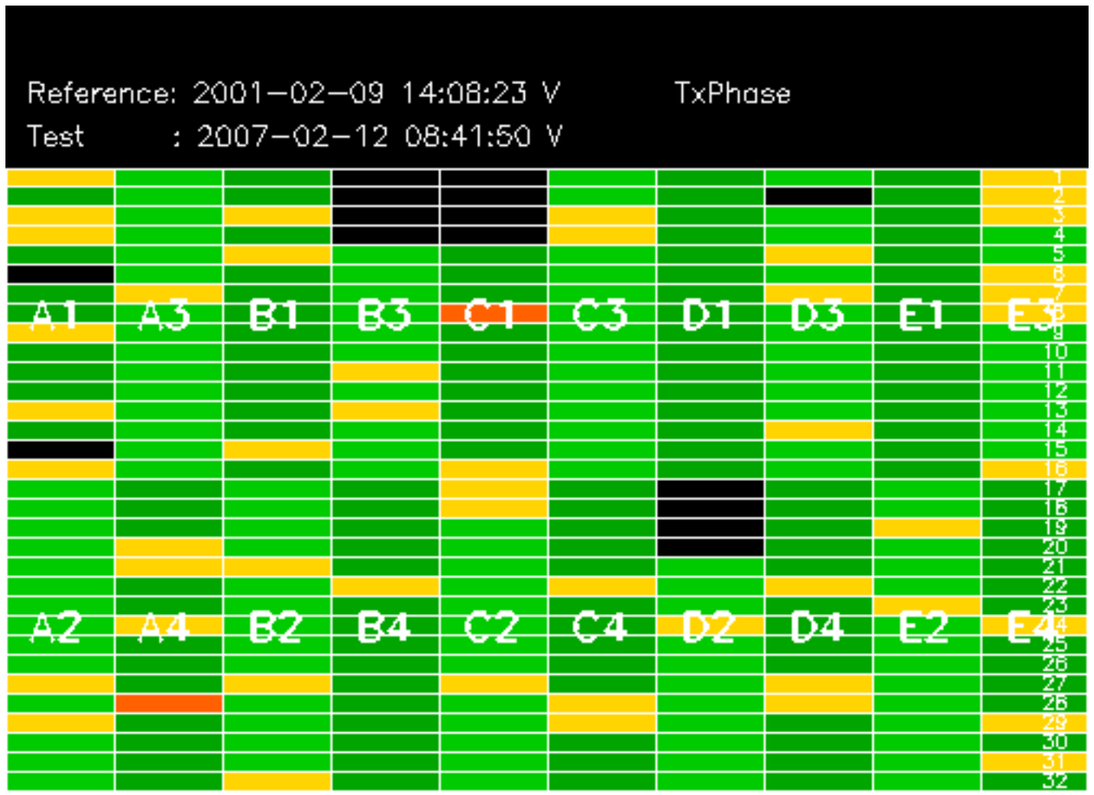
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-02-12 08:41:50 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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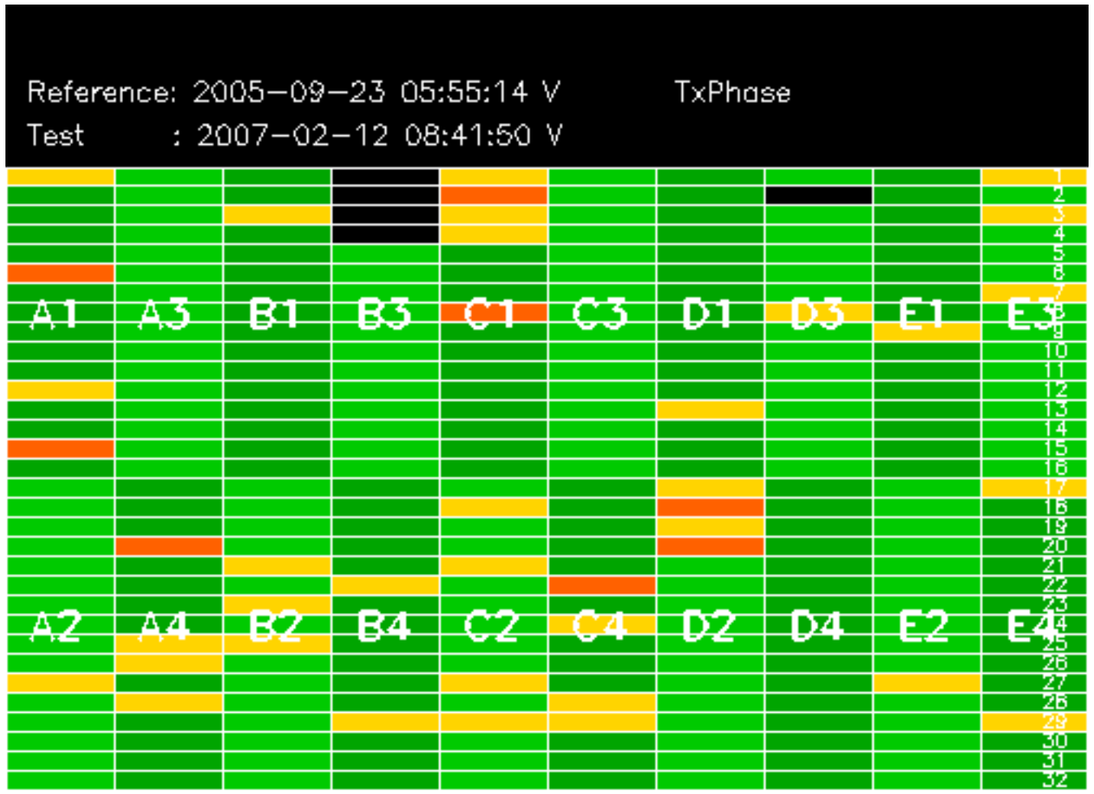
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-12 08:41:50 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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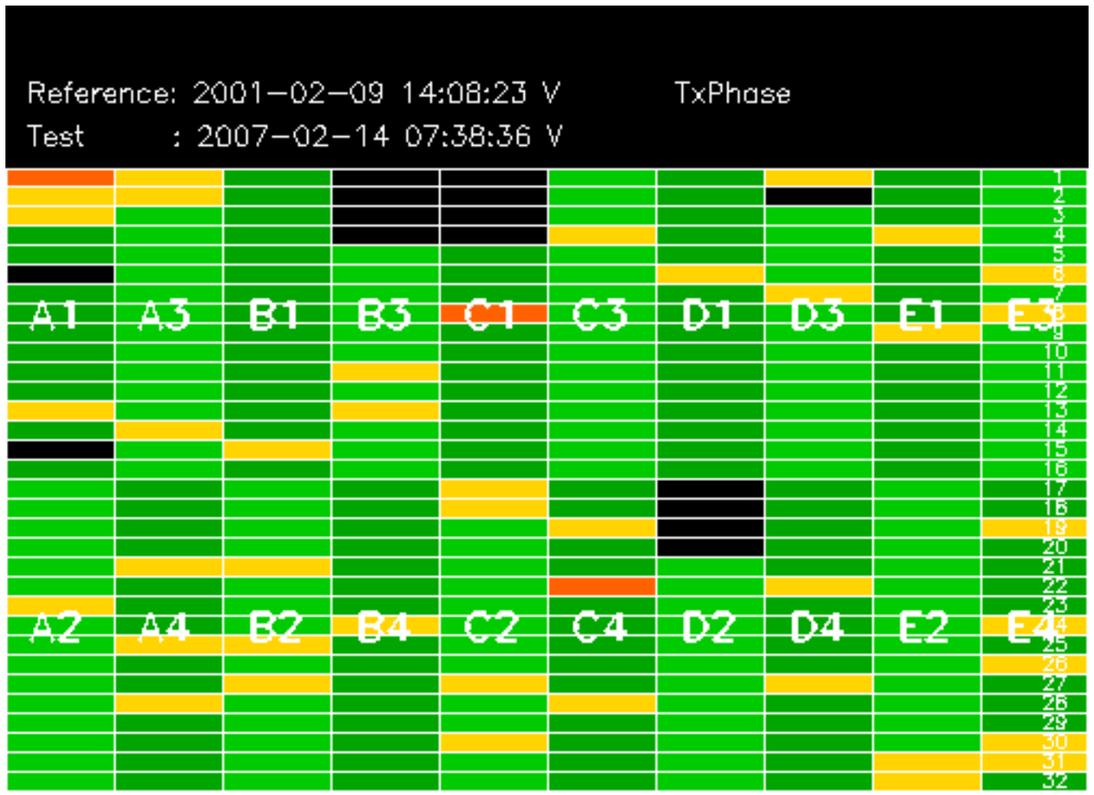
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-14 07:38:36 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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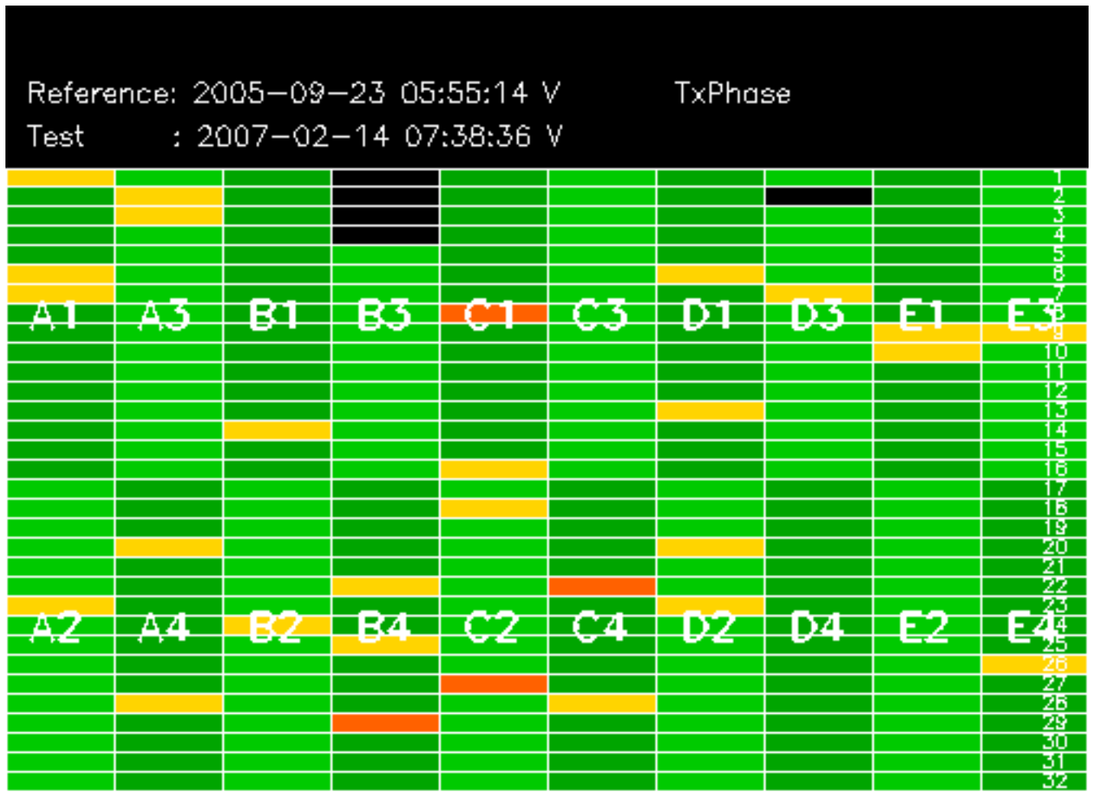
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-14 07:38:36 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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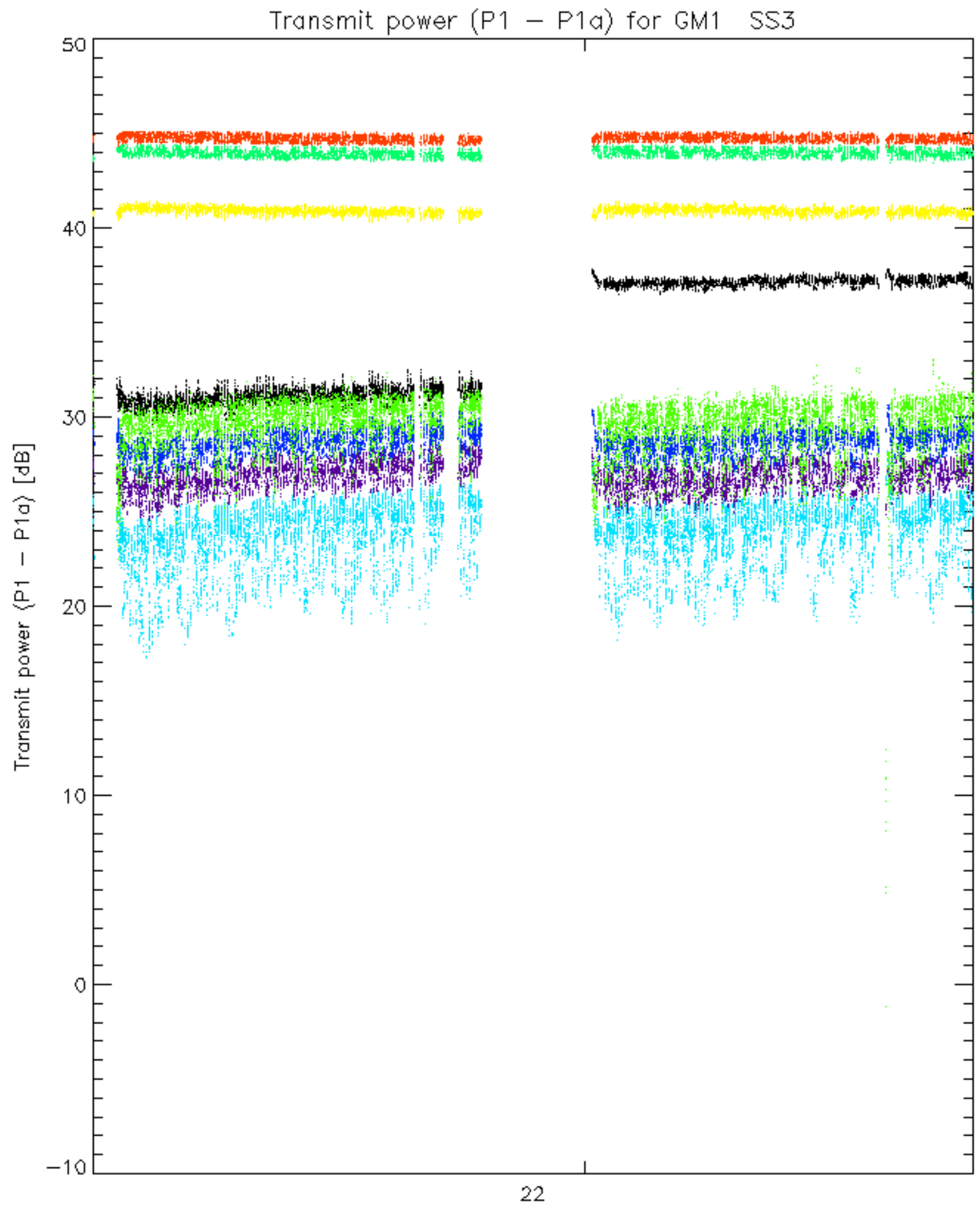
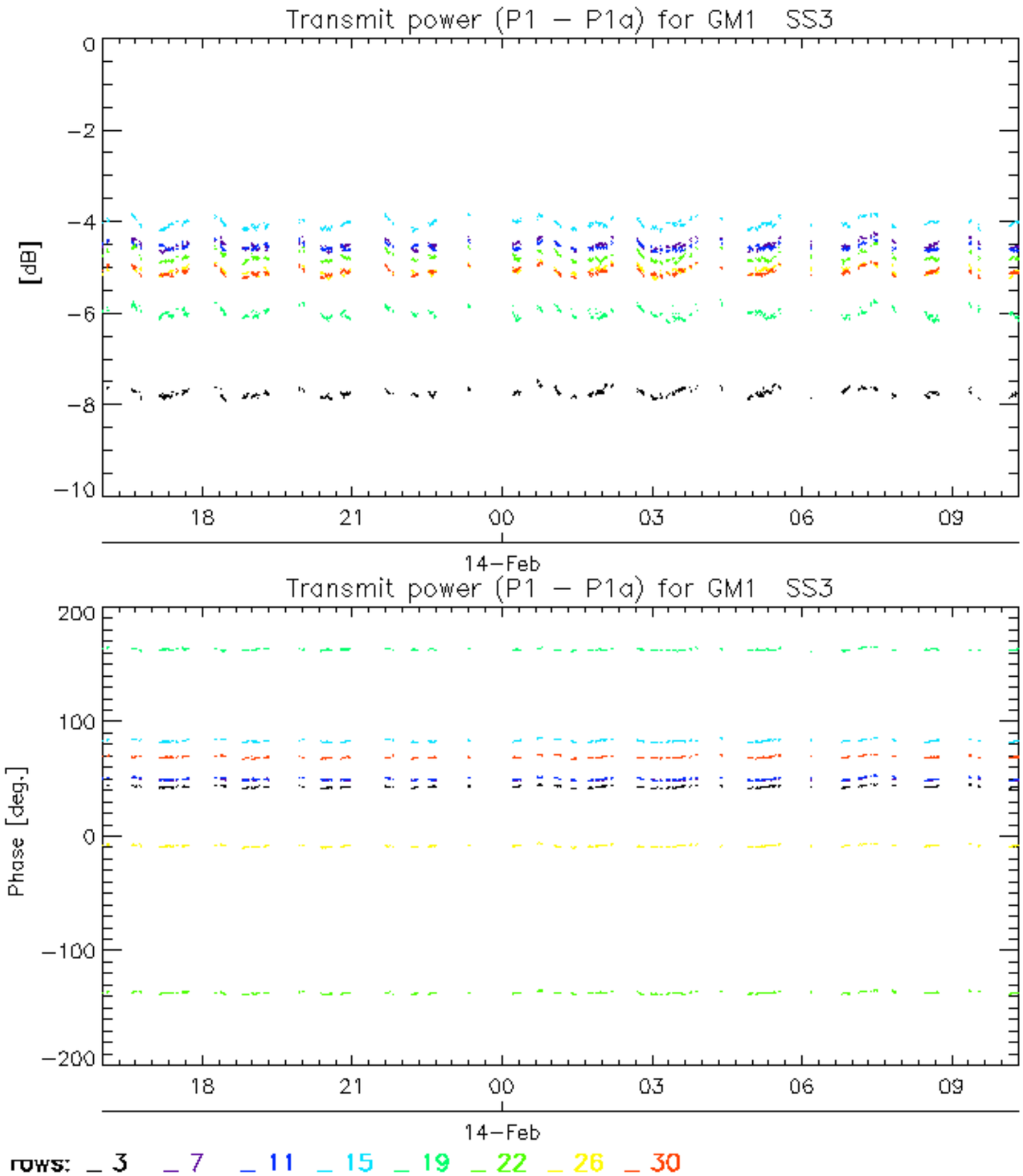
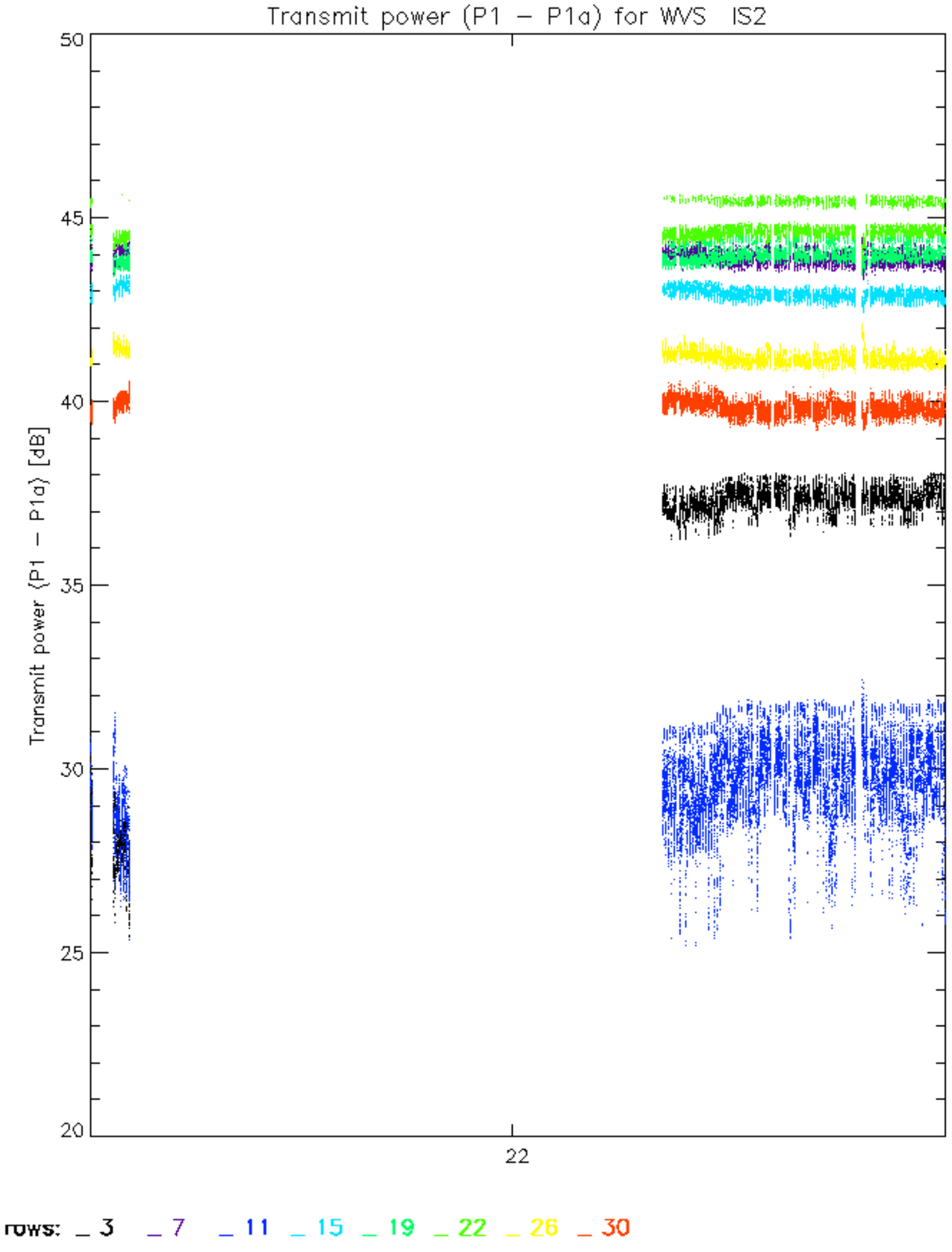
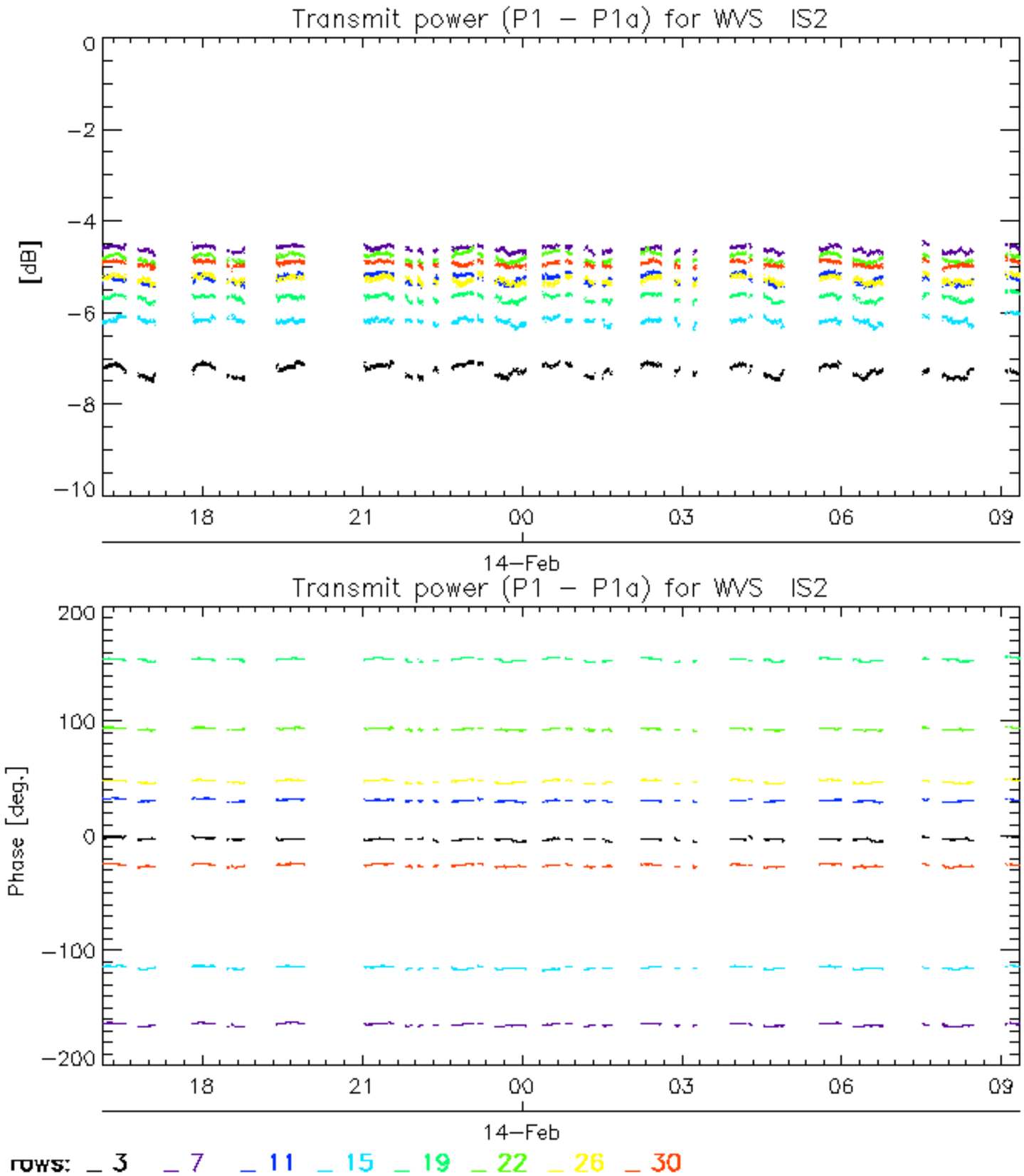

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
22
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
14–Feb
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
14–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
14–Feb
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
14–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.