PRELIMINARY REPORT OF 070201

last update on Thu Feb 1 16:58:02 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 2007-01-31 00:00:00 to 2007-02-01 16:58:02

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	40	69	7	5	30
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	40	69	7	5	30
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	69	7	5	30
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	40	69	7	5	30

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	8	10	4	3	6
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	8	10	4	3	6
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	8	10	4	3	6
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	8	10	4	3	6

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	20070201 074712
H	20070129 092202

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	-11.643787	0.057078	1.208621
7	P1a	-10.038939	0.054190	-0.699954
11	P1a	-10.565881	0.076206	-1.260753
15	P1a	-11.092980	0.809612	-7.449183
19	P1a	-15.548500	0.531048	5.753595
22	P1a	-20.888124	4.559503	14.738102
26	P1a	-15.613183	0.396397	-1.013179
30	P1a	-18.798340	3.597919	-15.297807

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.424495	0.176425	-4.695576
7	P1	-2.557309	0.008299	-0.349571
11	P1	-3.038198	0.063743	-1.932917
15	P1	-4.025663	0.593931	-6.481508
19	P1	-3.550036	0.047785	1.515284
22	P1	-5.183372	0.076542	-2.057657
26	P1	-5.789354	0.318778	4.575666
30	P1	-5.359768	0.054325	-0.867691

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.243711	0.096677	-0.757869
7	P2	-22.054012	0.143396	1.242746
11	P2	-10.931198	0.101598	1.352380
15	P2	-5.144379	0.096318	0.225711

19	P2	-7.271508	0.082006	0.157539
22	P2	-8.358270	0.079979	-0.353473
26	P2	-24.285542	0.092654	1.231809
30	P2	-21.702854	0.072797	0.016003

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.225466	0.007436	-0.000662
7	P3	-8.225466	0.007436	-0.000662
11	P3	-8.225466	0.007436	-0.000662
15	P3	-8.225466	0.007436	-0.000662
19	P3	-8.225466	0.007436	-0.000662
22	P3	-8.225466	0.007436	-0.000662
26	P3	-8.225466	0.007436	-0.000662
30	P3	-8.225466	0.007436	-0.000662

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	-11.726501	0.046371	0.505057
7	P1a	-10.006560	0.039106	0.406452
11	P1a	-10.483970	0.056611	0.125075
15	P1a	-10.826065	0.130170	-0.196116
19	P1a	-15.752179	0.060975	-0.311113
22	P1a	-20.974543	1.397886	1.596246
26	P1a	-15.513459	0.251112	-0.053968
30	P1a	-18.312819	0.368863	-0.256594

P1\t Cyclic statistics

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

3	P1	-4.290185	0.188199	-4.854071
7	P1	-2.437901	0.006331	0.091419
11	P1	-2.844604	0.016079	0.193471
15	P1	-3.766705	0.032483	0.018640
19	P1	-3.549189	0.013545	-0.092482
22	P1	-5.020917	0.023693	0.100384
26	P1	-6.003349	0.021729	-0.230029
30	P1	-5.291495	0.024843	-0.032950

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.291664	0.030985	-0.195725
7	P2	-22.045179	0.047738	-0.365874
11	P2	-10.706809	0.029892	-0.294965
15	P2	-4.846405	0.026957	-0.140094
19	P2	-6.848959	0.026792	-0.223366
22	P2	-8.157883	0.028525	-0.279950
26	P2	-24.264530	0.031533	-0.305745
30	P2	-21.803925	0.034540	-0.042085

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.057071	0.002554	-0.025375
7	P3	-8.056895	0.002549	-0.027425
11	P3	-8.056975	0.002556	-0.022855
15	P3	-8.057021	0.002541	-0.026298
19	P3	-8.056919	0.002536	-0.025286
22	P3	-8.057104	0.002552	-0.025809
26	P3	-8.056993	0.002540	-0.025129
30	P3	-8.056938	0.002545	-0.023244

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	0.000682525
	stdev	2.60298e-07
MEAN Q	mean	0.000305222
	stdev	1.97933e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0568054
	stdev	0.000947997
STDEV Q	mean	0.0563845
	stdev	0.000957672

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007013[011]
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_WVS_1PNPDK20070131_090438_000000452055_00122_25727_9958.N1	0	8
ASA_WVS_1PNPDK20070131_090438_000000452055_00122_25727_9973.N1	0	8
ASA_GM1_1PNPDK20070131_140516_000005552055_00125_25730_0316.N1	0	8
ASA_WSM_1PNPDE20070130_000819_000002452055_00102_25707_9211.N1	0	68
ASA_WSM_1PNPDE20070130_063931_000000852055_00106_25711_9762.N1	0	1
ASA_WSM_1PNPDK20070131_092147_000003422055_00122_25727_0151.N1	0	6

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

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

7.2 - Absolute Doppler for WVS

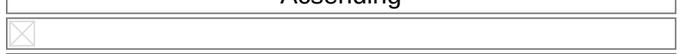
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

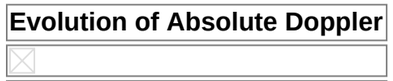
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

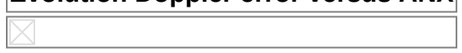
Acsending

Descending

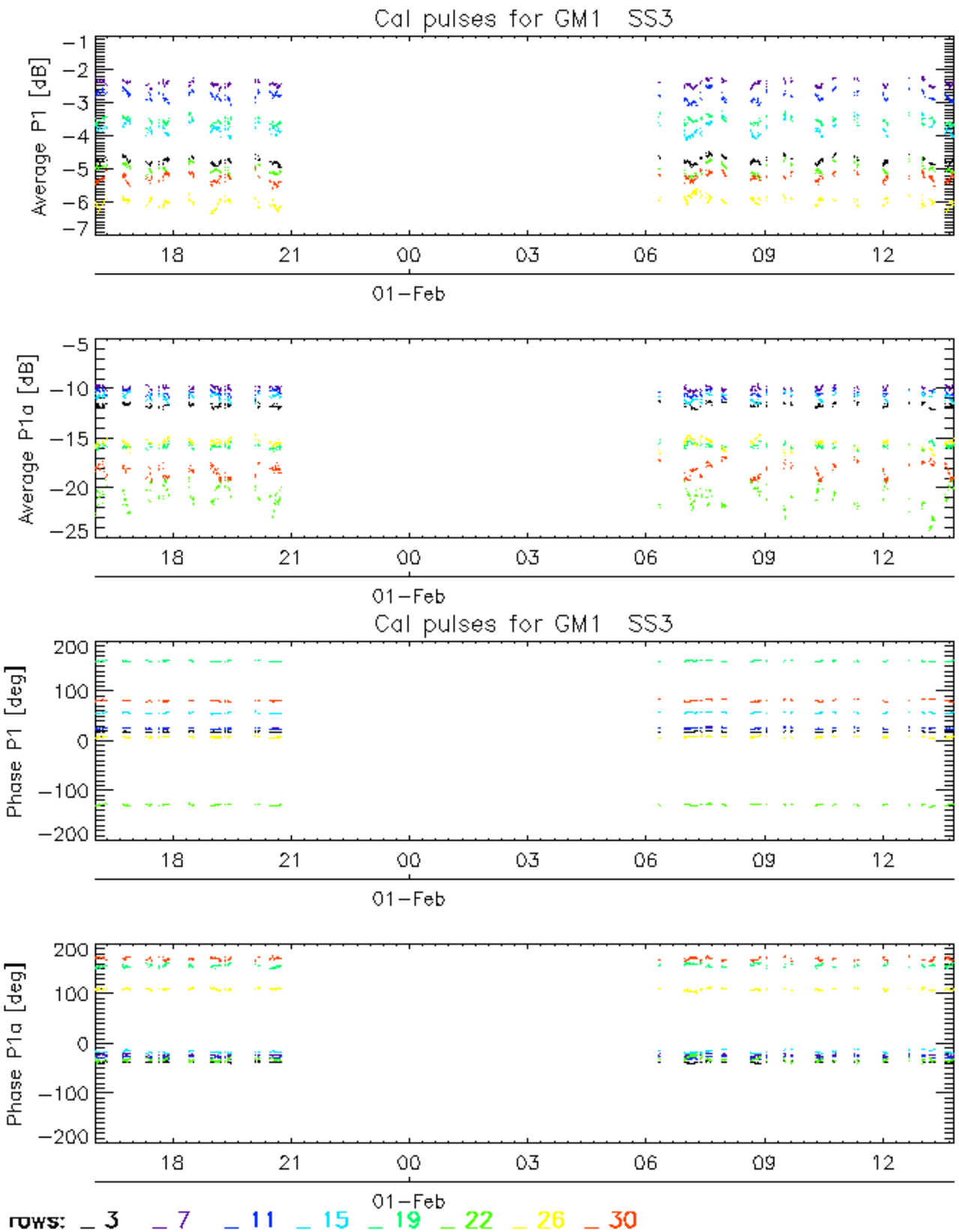
7.5 - Absolute Doppler for GM1

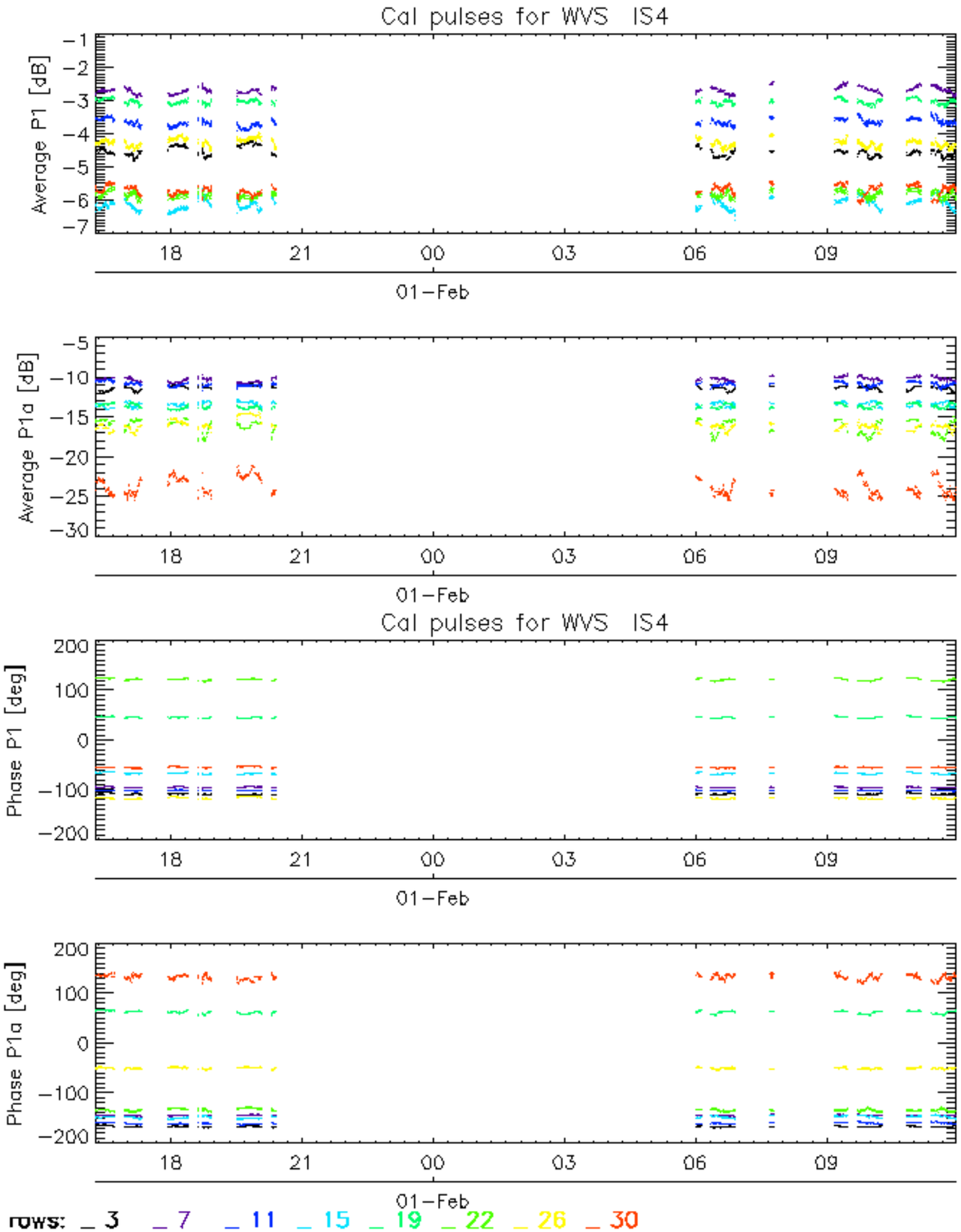
Evolution of Absolute Doppler

Acsending

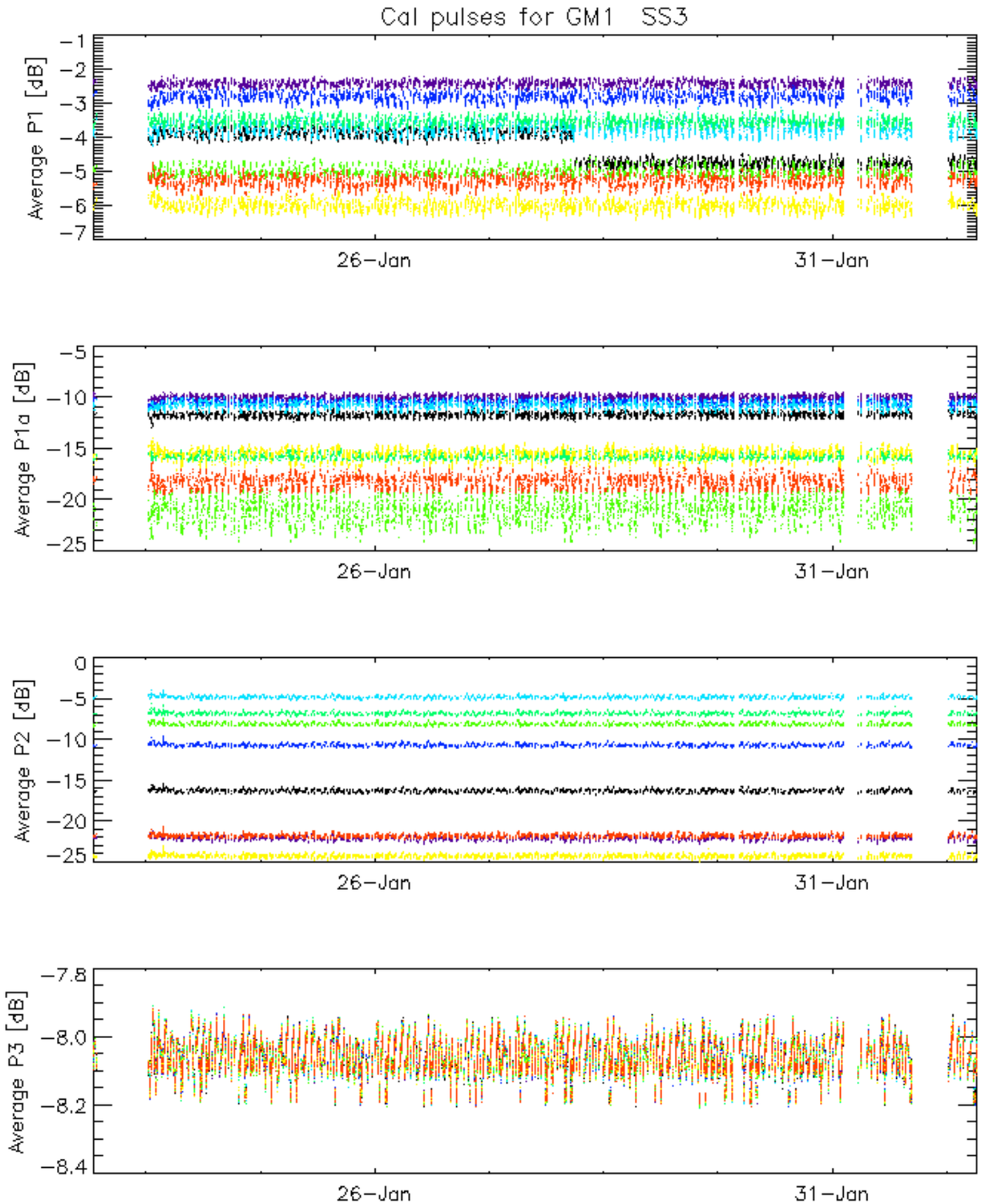
Descending

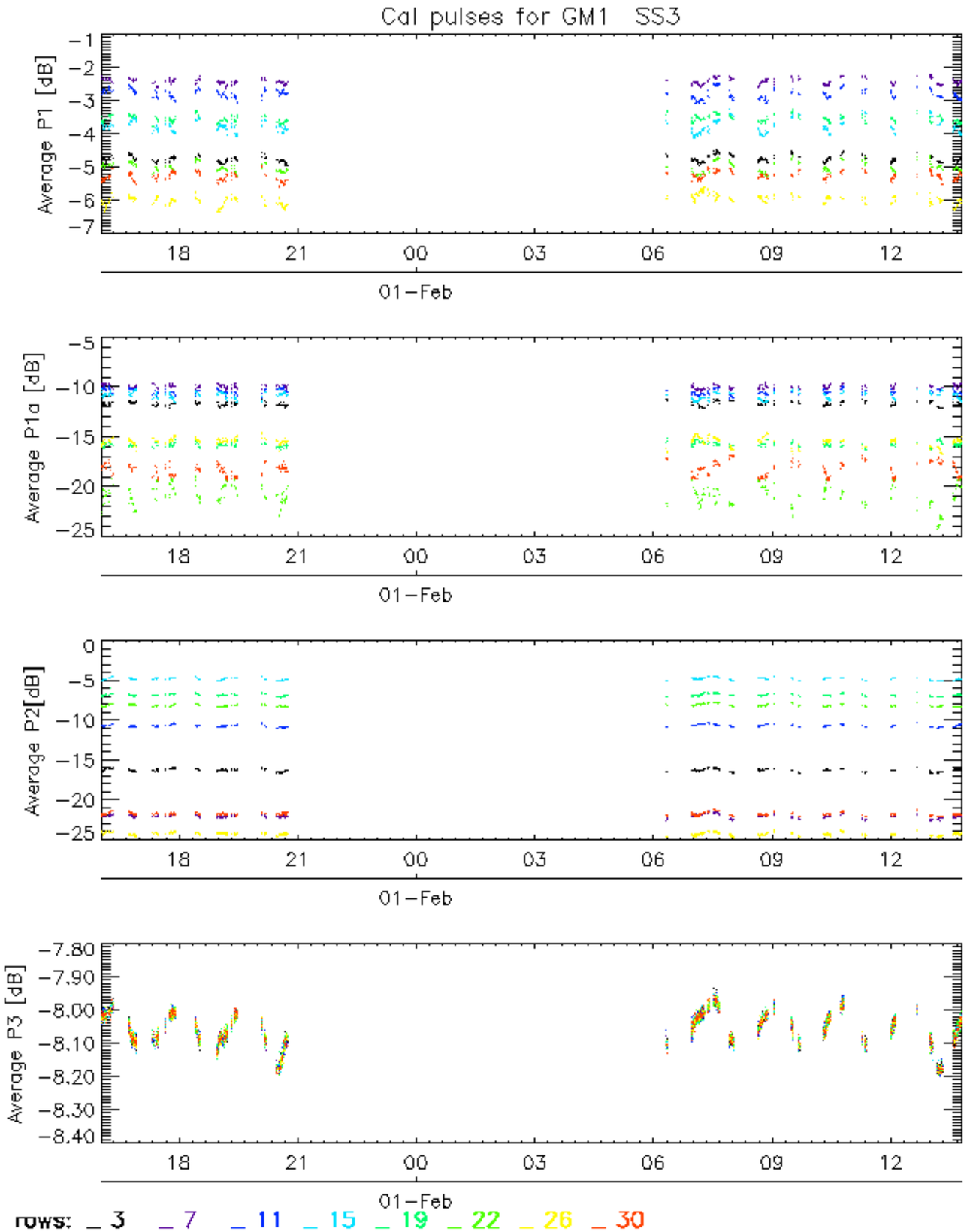
7.6 - Doppler evolution versus ANX for GM1

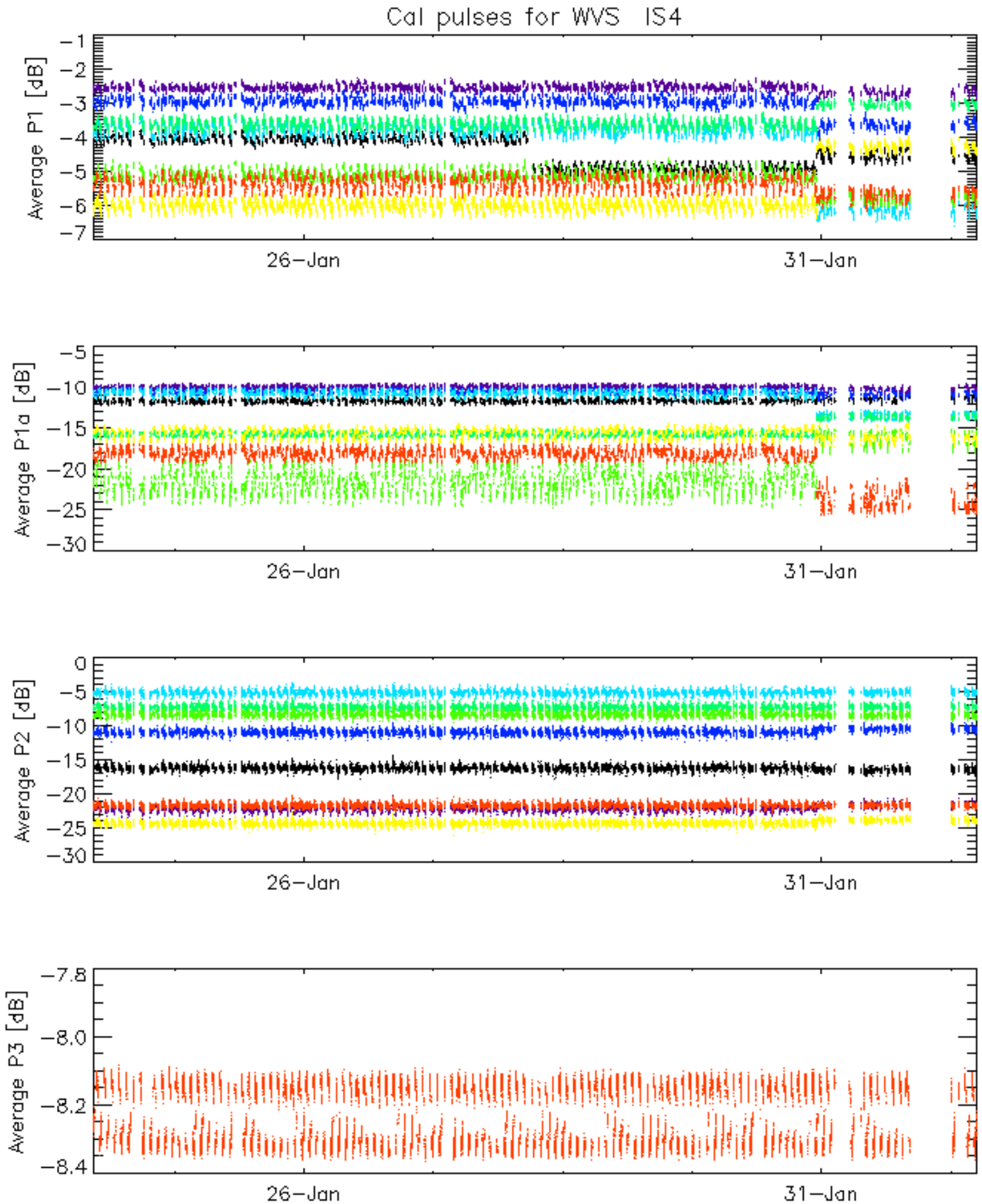
Evolution Doppler error versus ANX


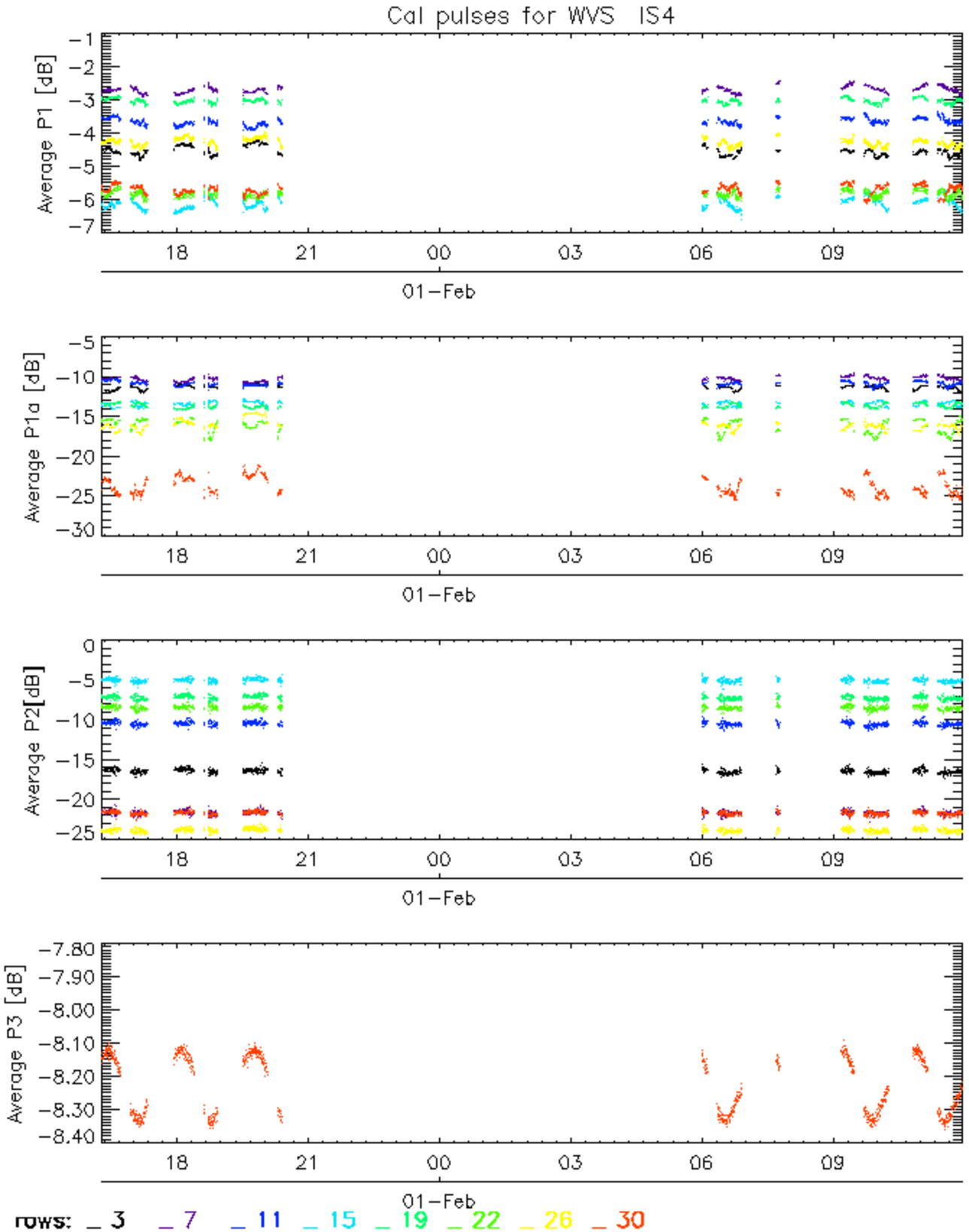

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
12
01−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
01−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
01−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
01−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
01−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
01−Feb
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
01−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
01−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
26−Jan
31−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
26−Jan
31−Jan
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
rows: 3 7 11 15 19 22 26 30

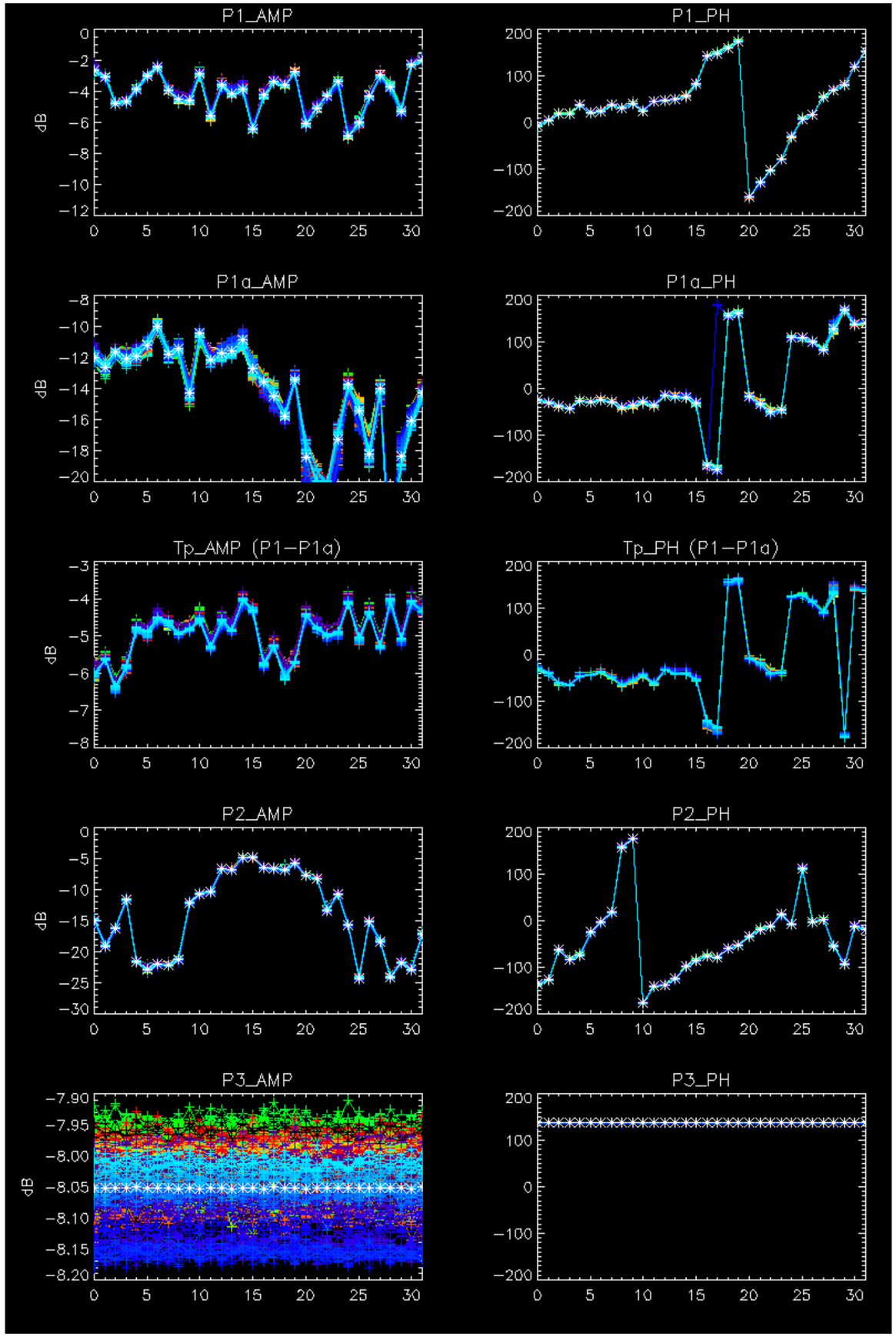

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
12
01−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
01−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
01−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
01−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

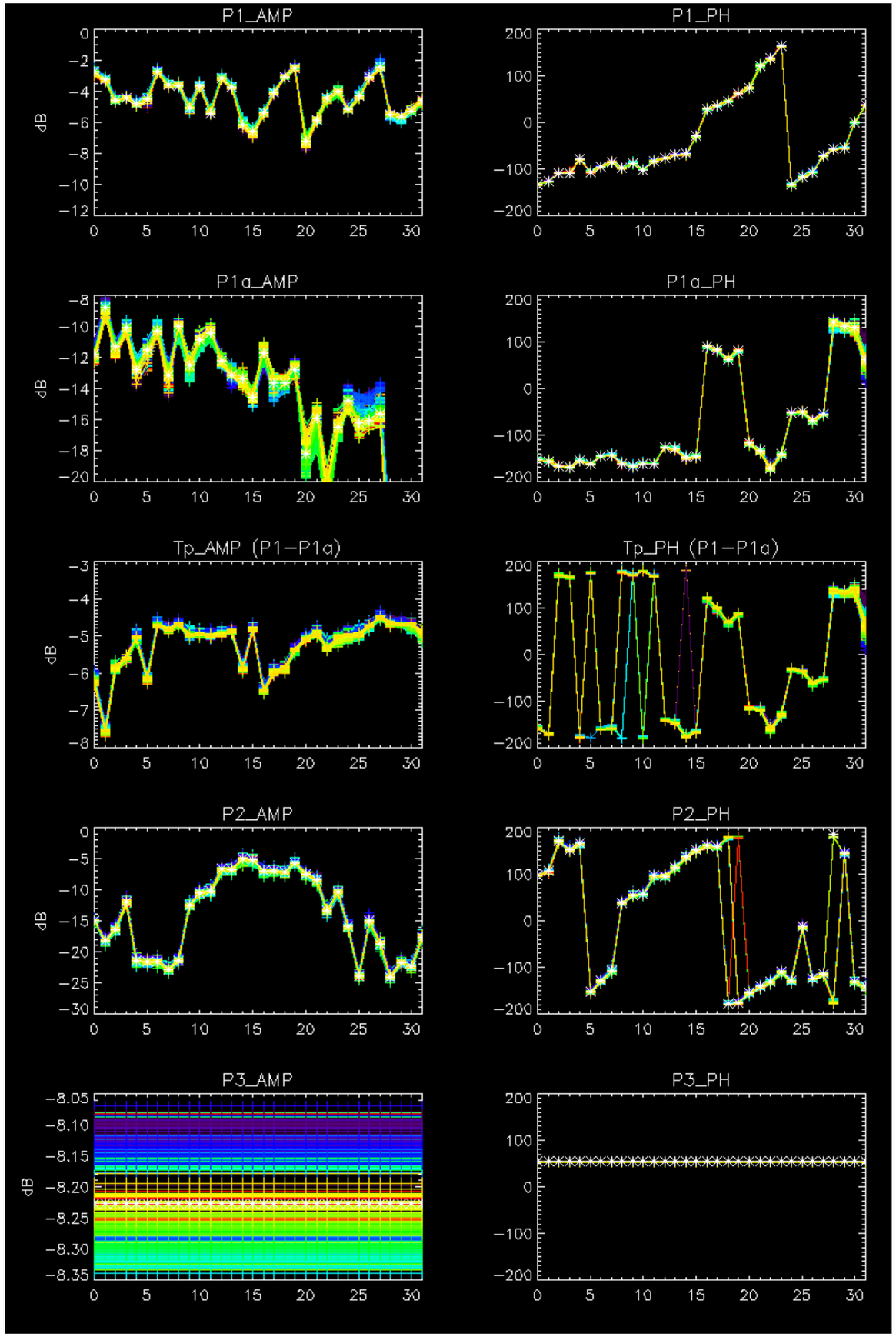

Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
26−Jan
31−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
01−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
01−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
01−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
01−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

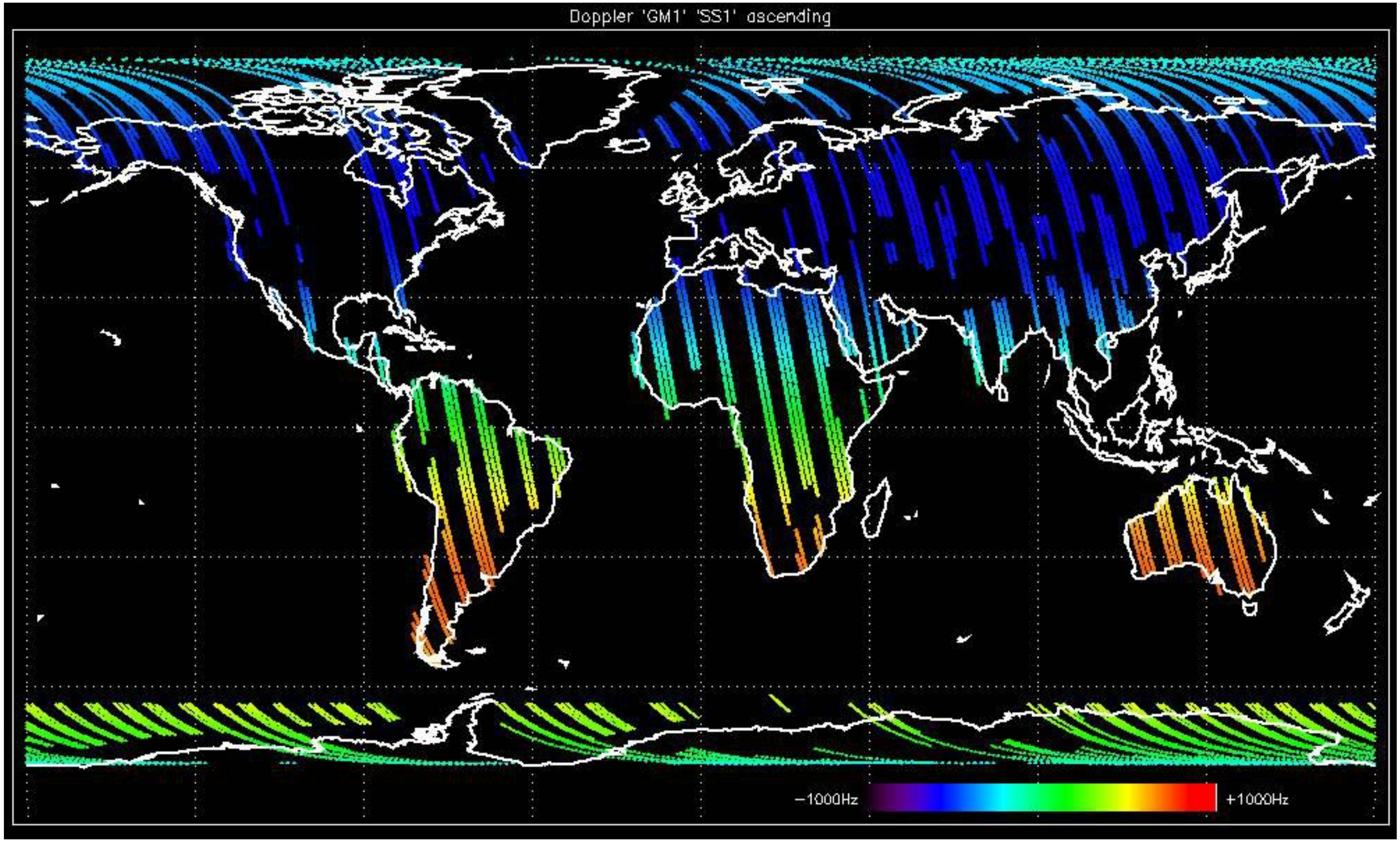
No anomalies observed.

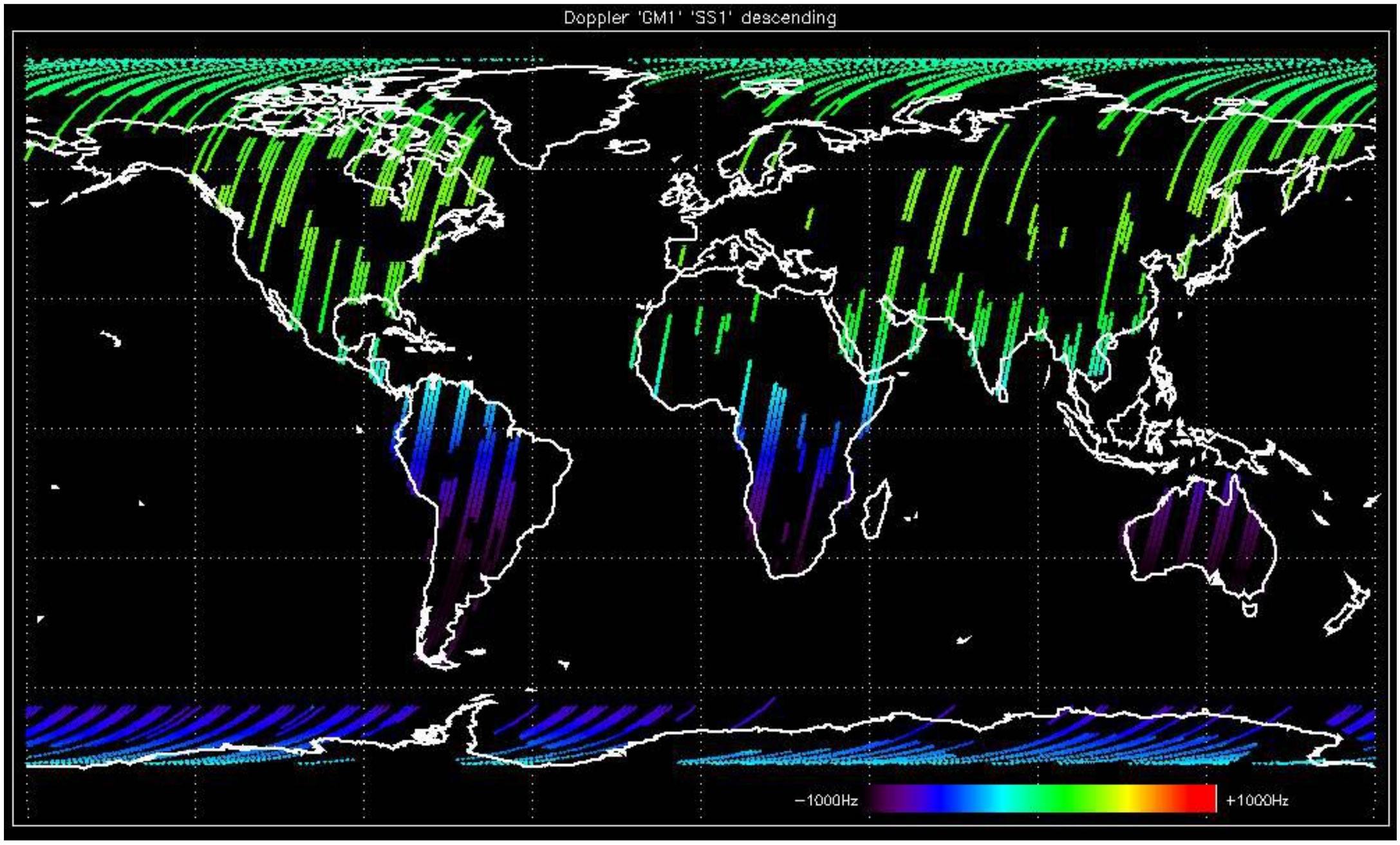

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

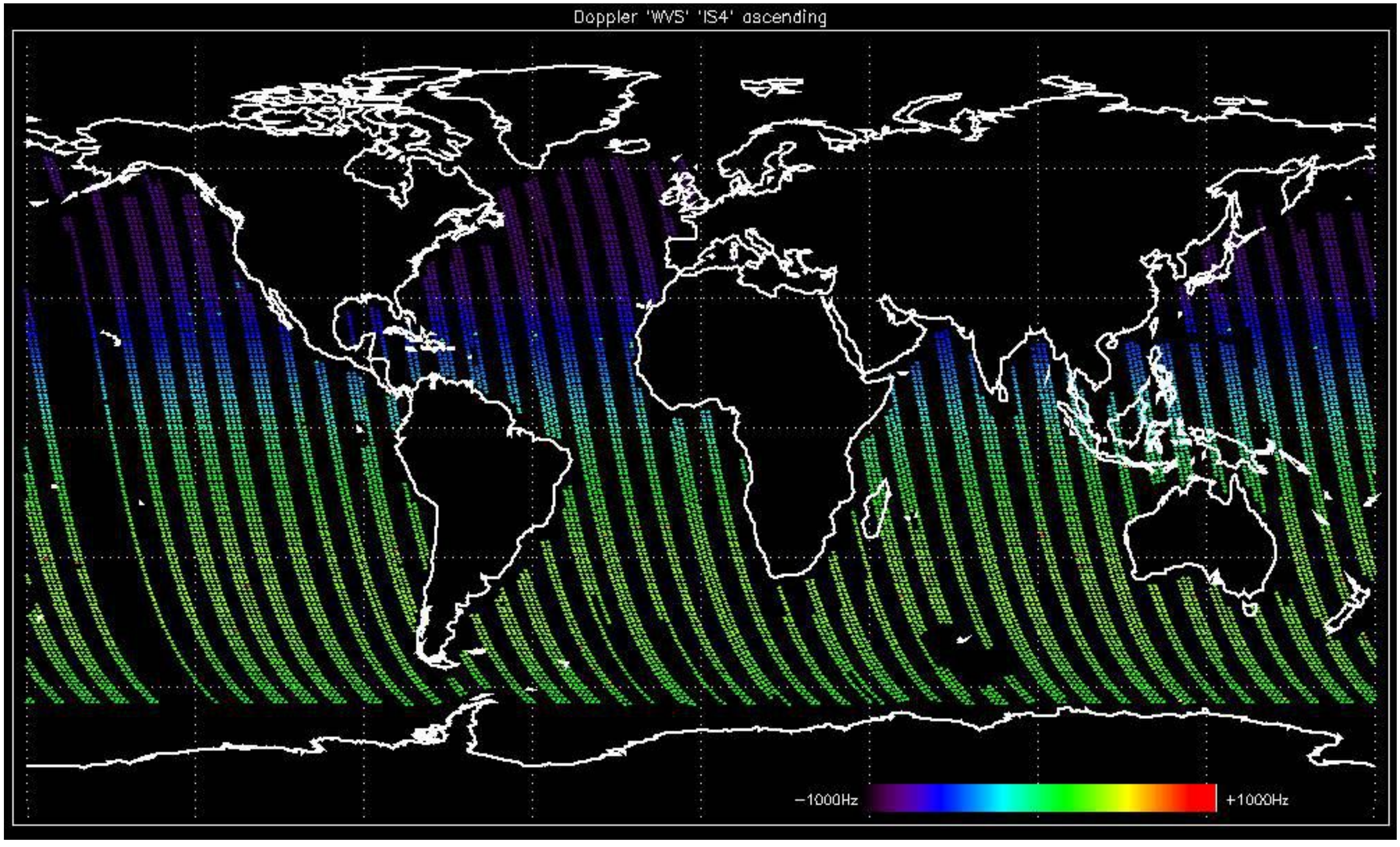

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

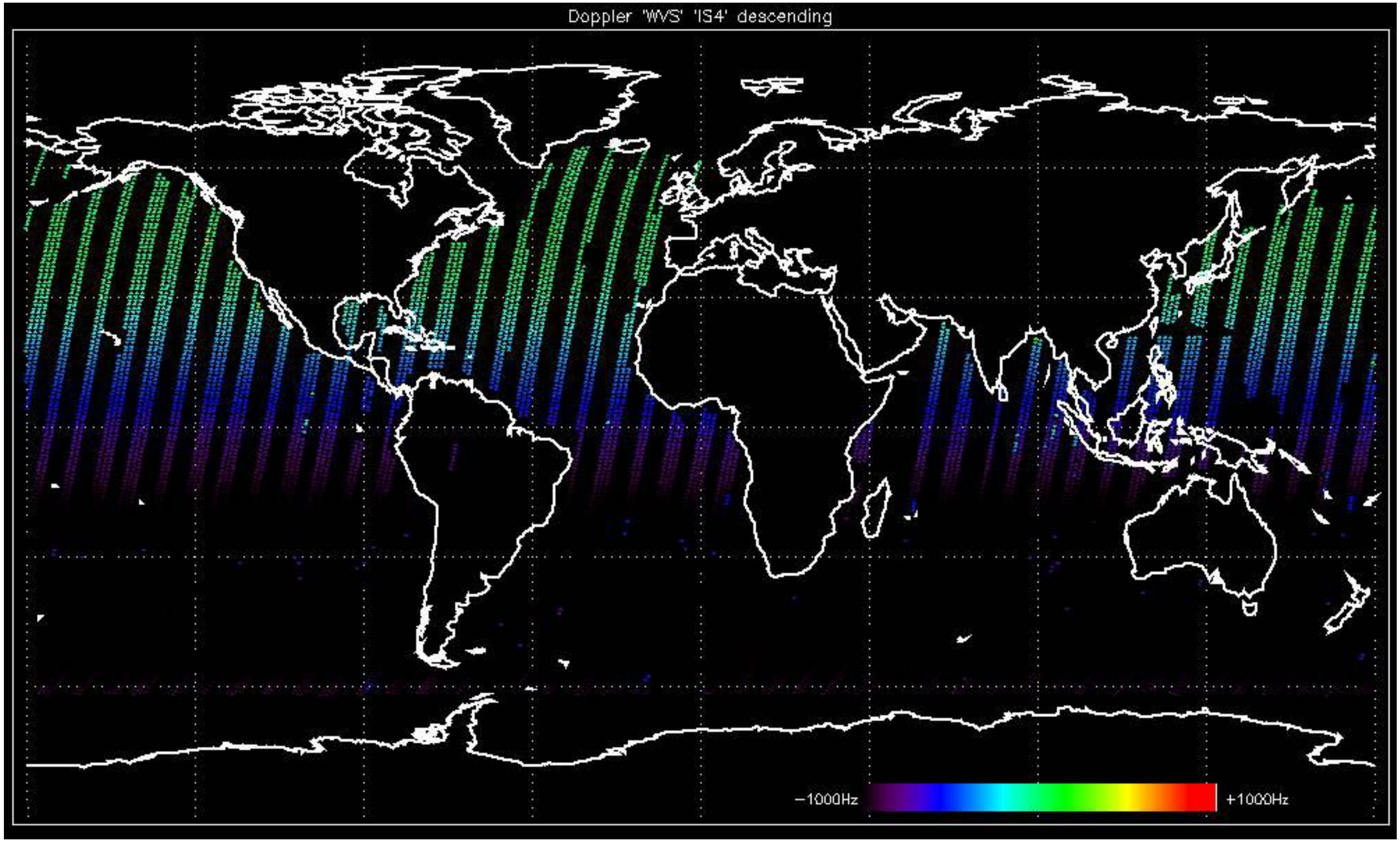
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

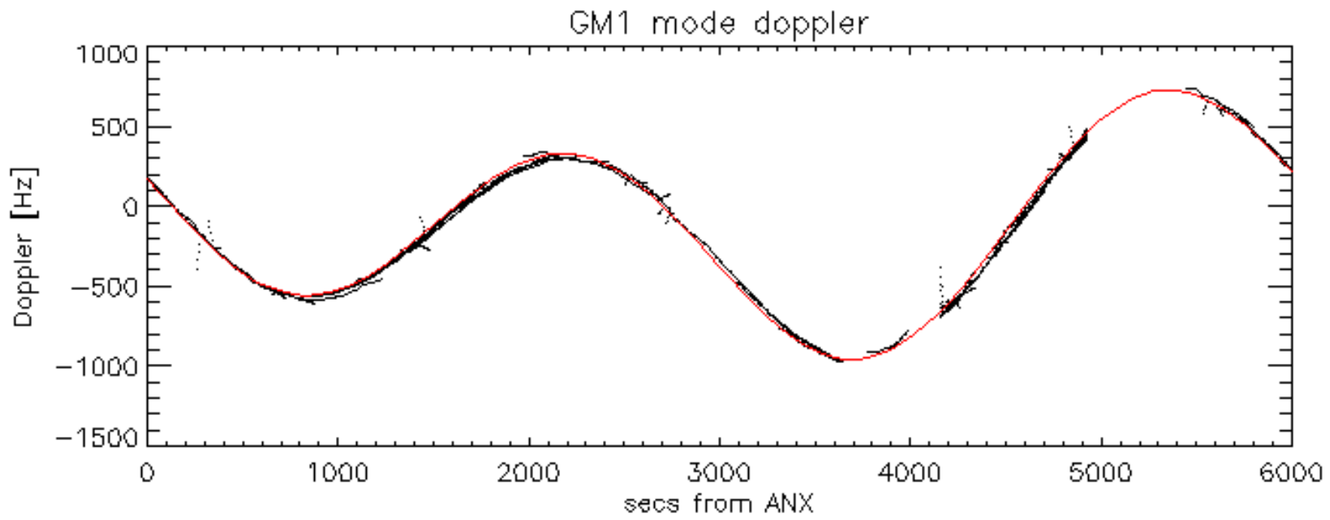
Preliminary report.The data is not yet controled

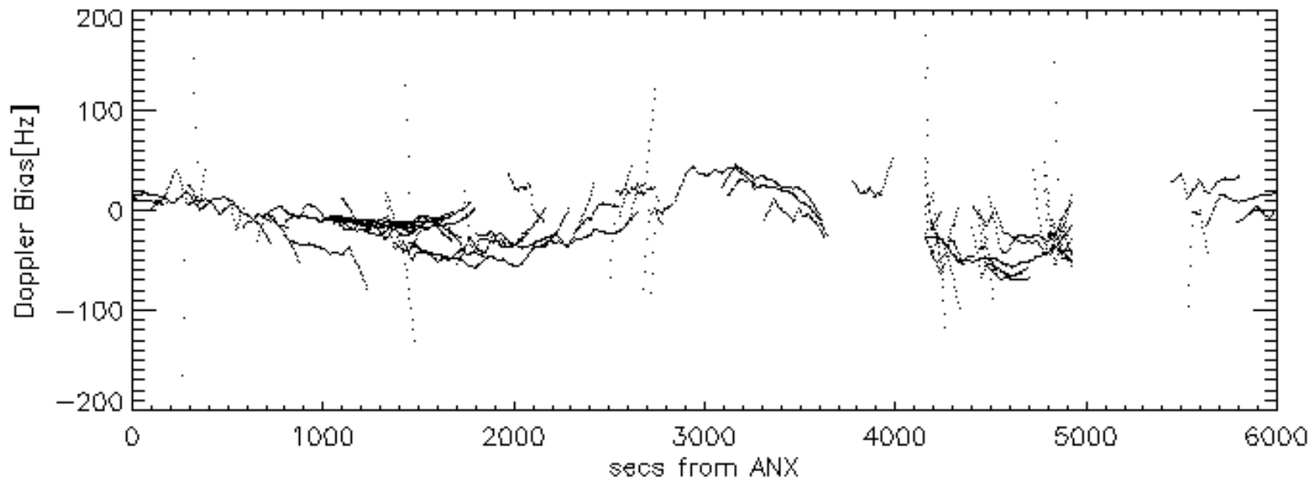

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

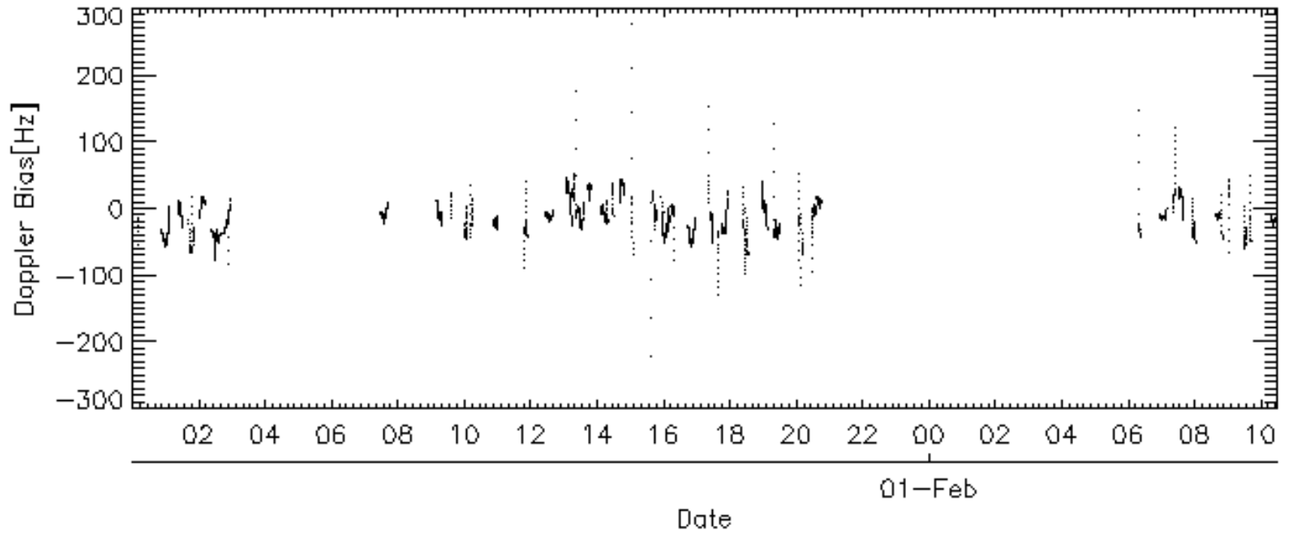

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

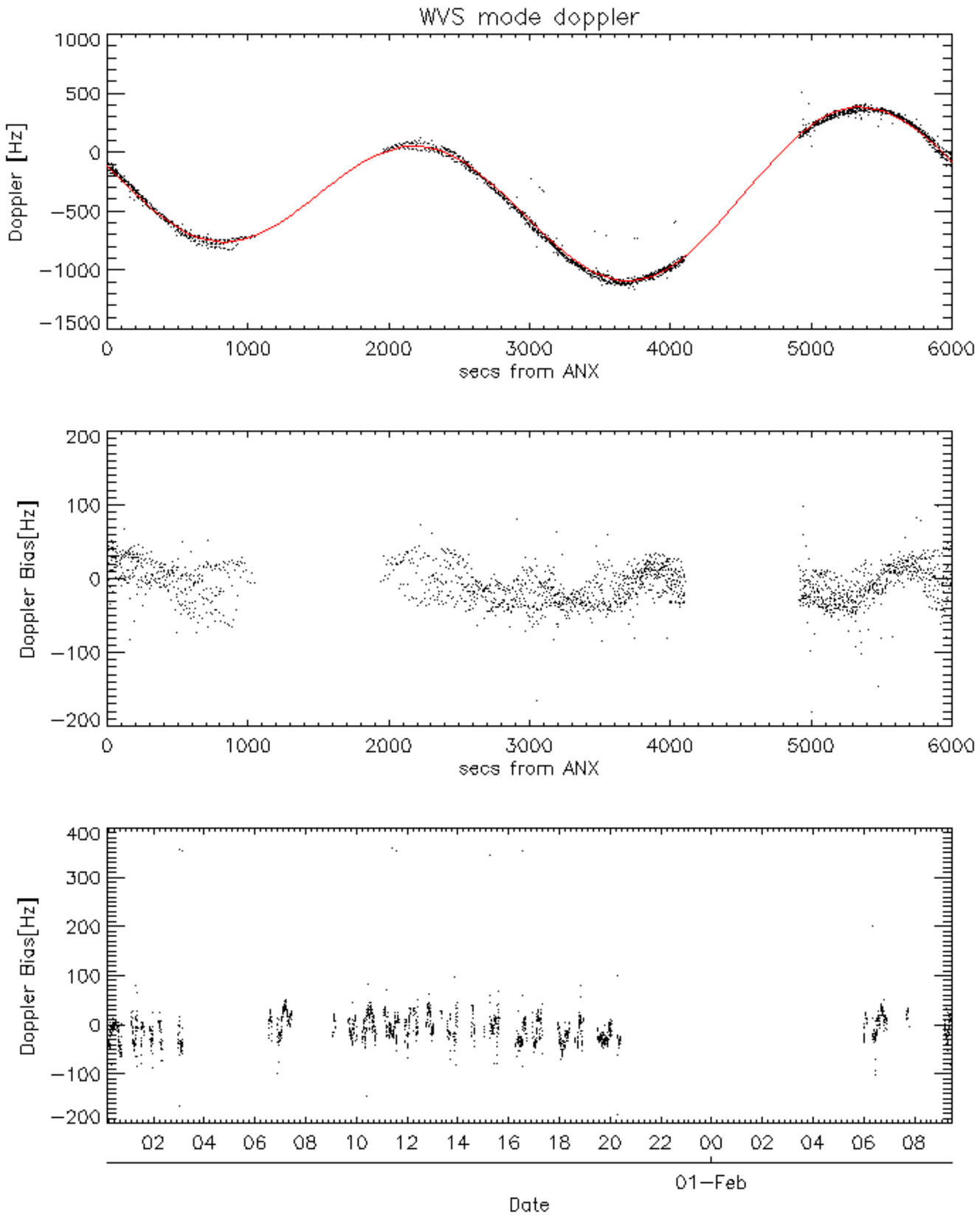

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

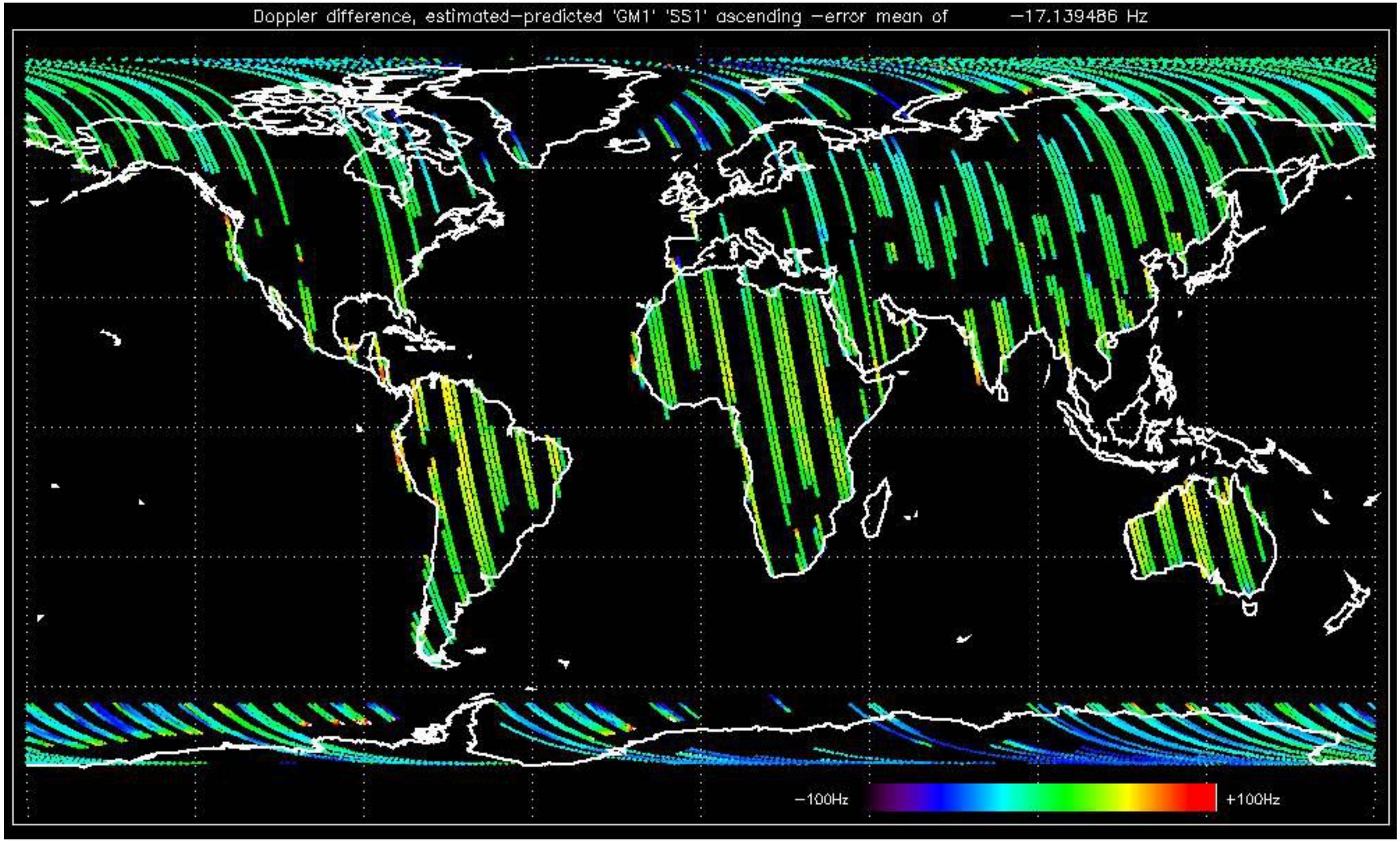

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

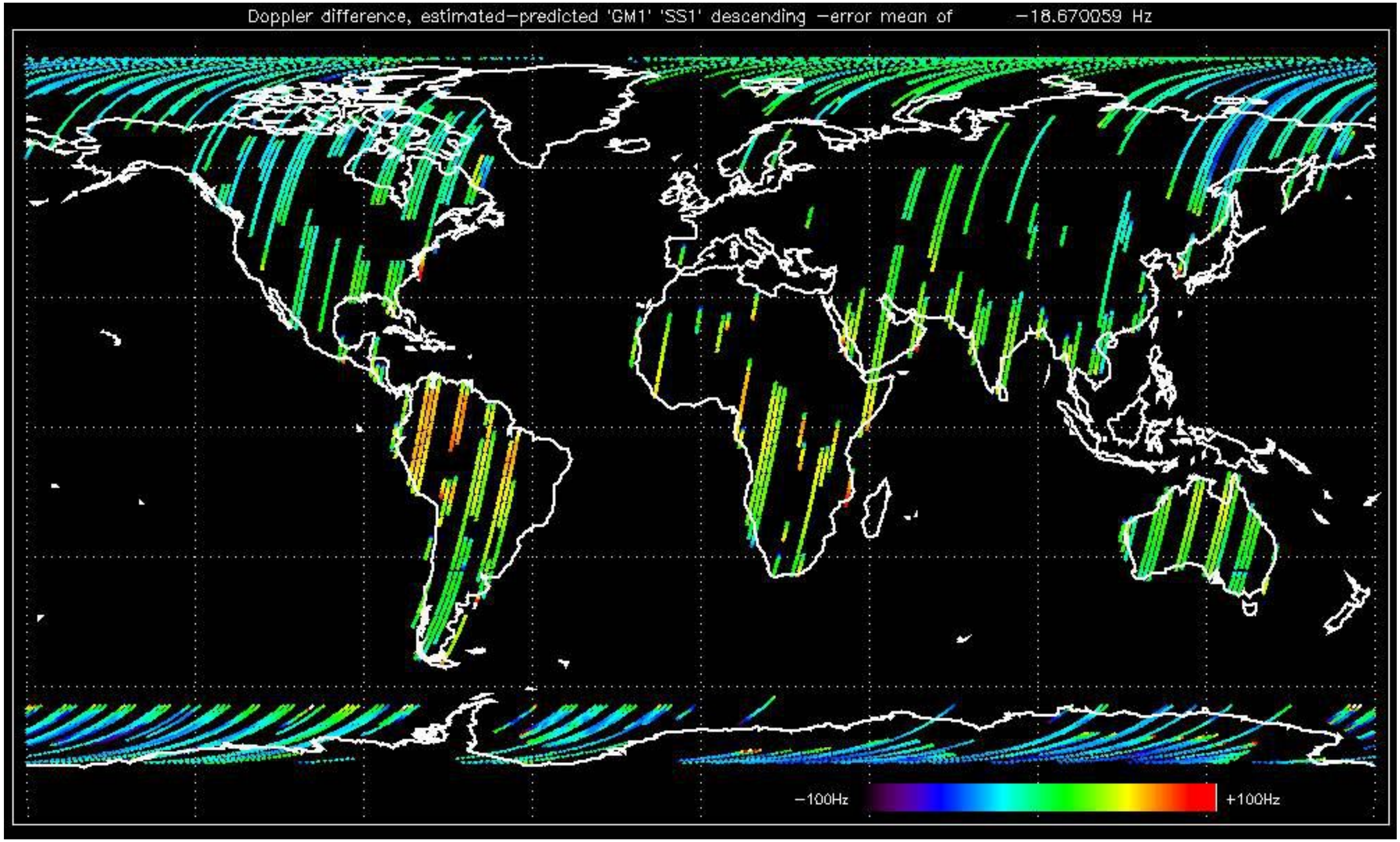

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

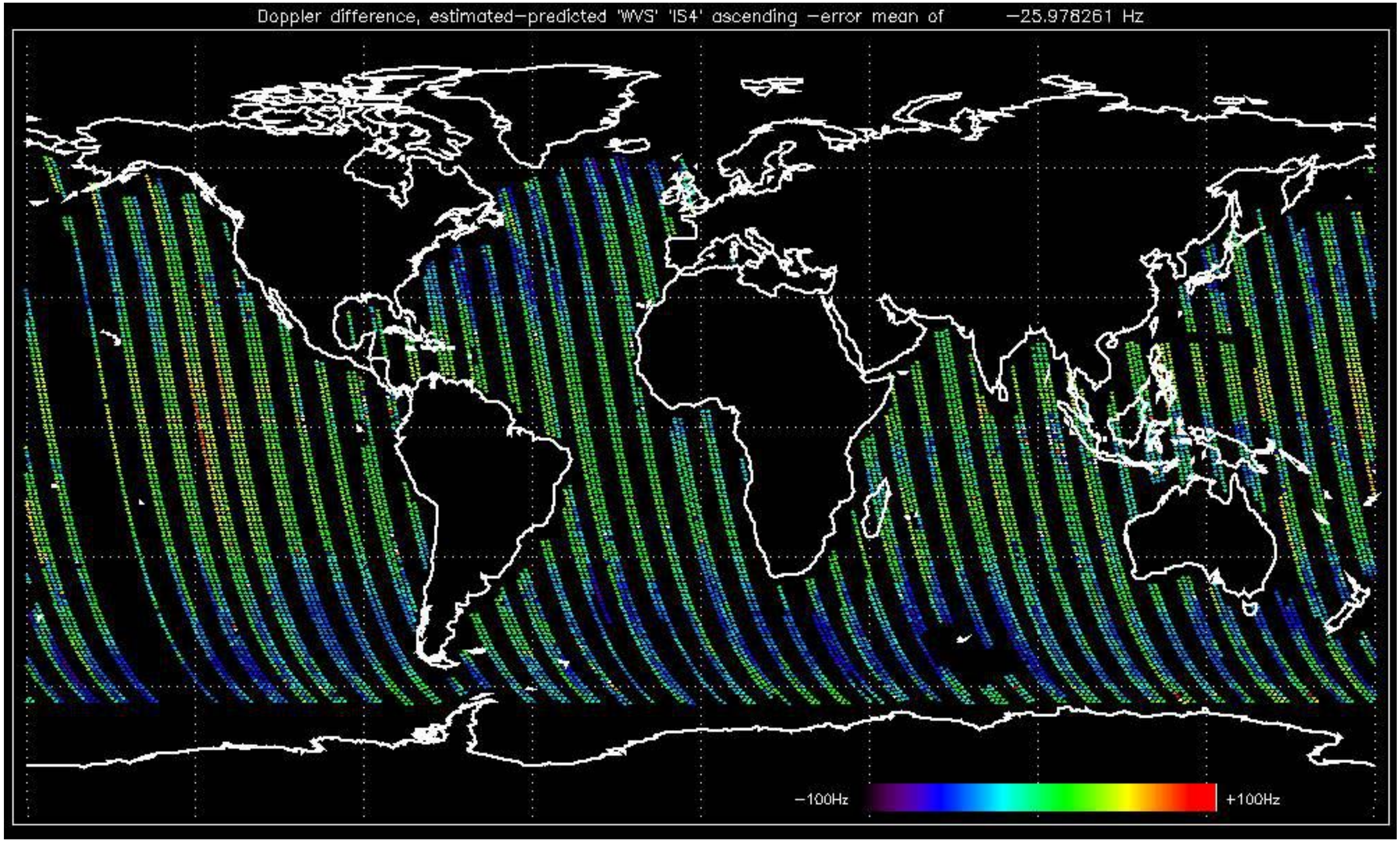

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

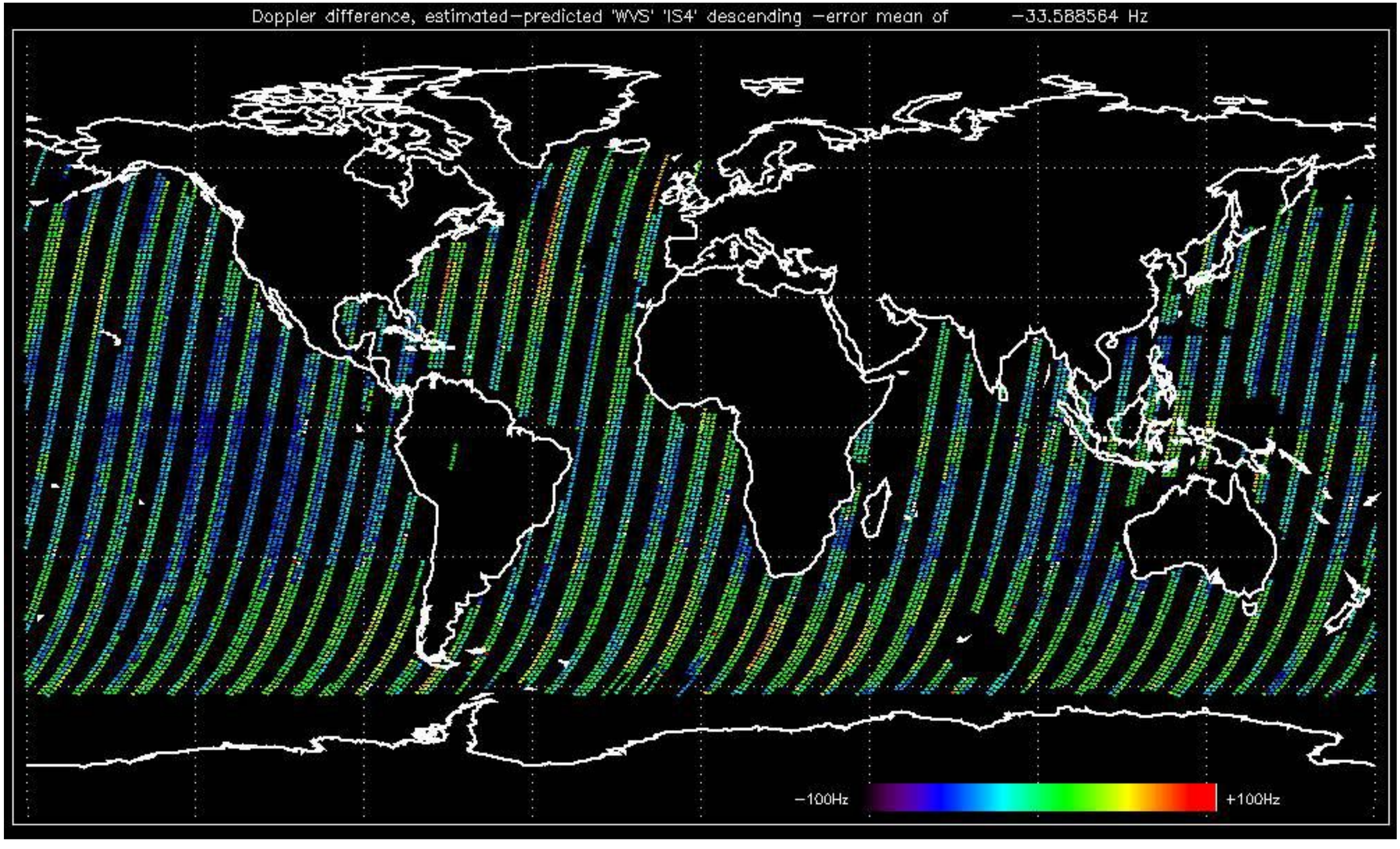

Doppler Bias[Hz]
300
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
01−Feb
Date


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.139486 Hz
−100Hz
+100Hz

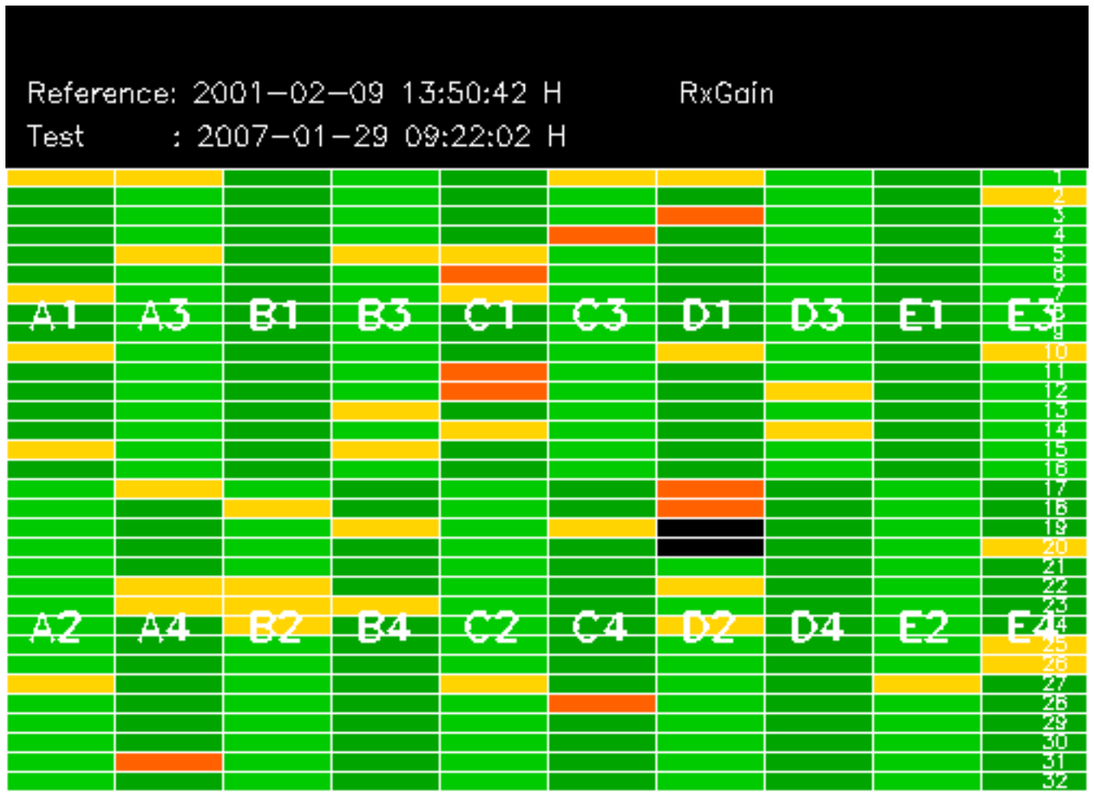

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -18.670059 Hz
-100Hz
+100Hz

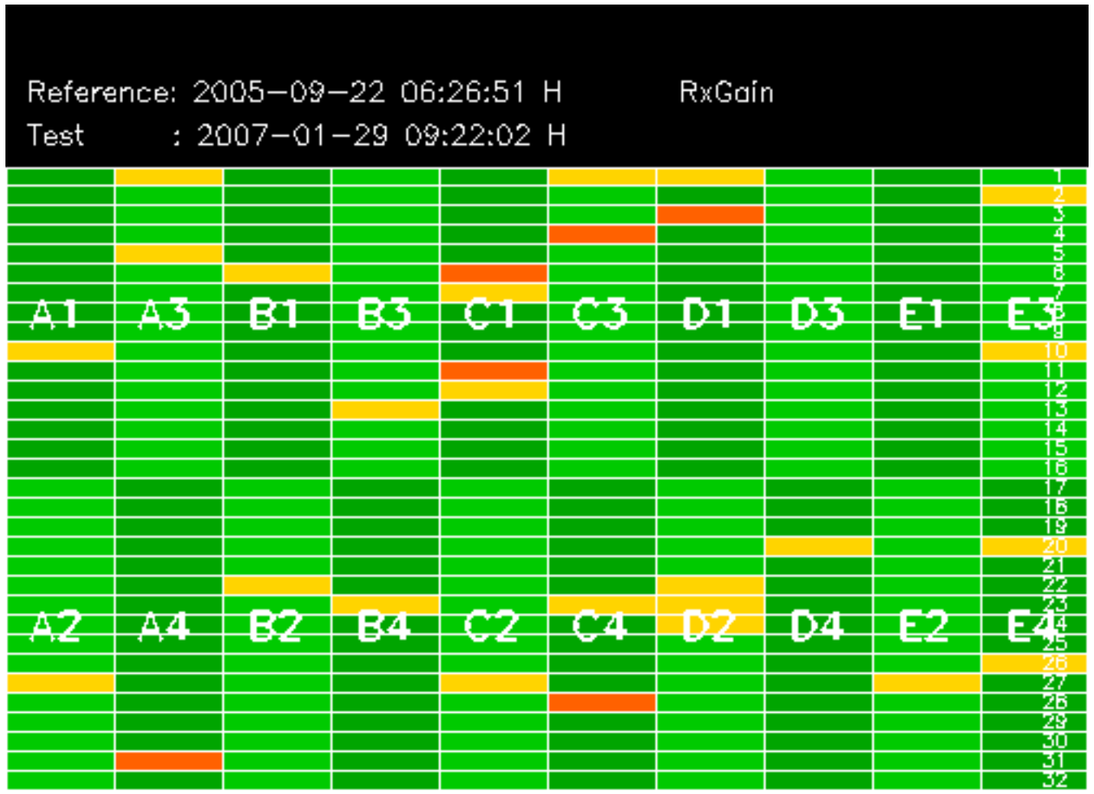

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −25.978261 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −33.588564 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-29 09:22:02 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 : 2007-01-29 09:22:02 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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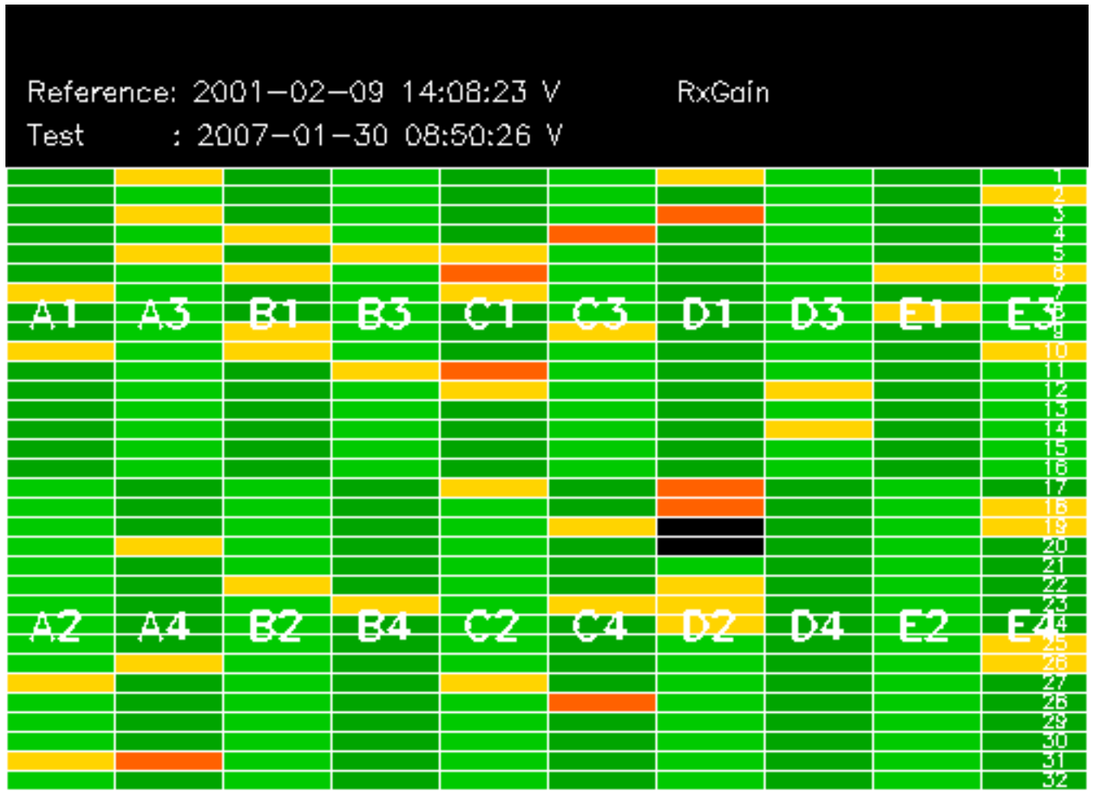
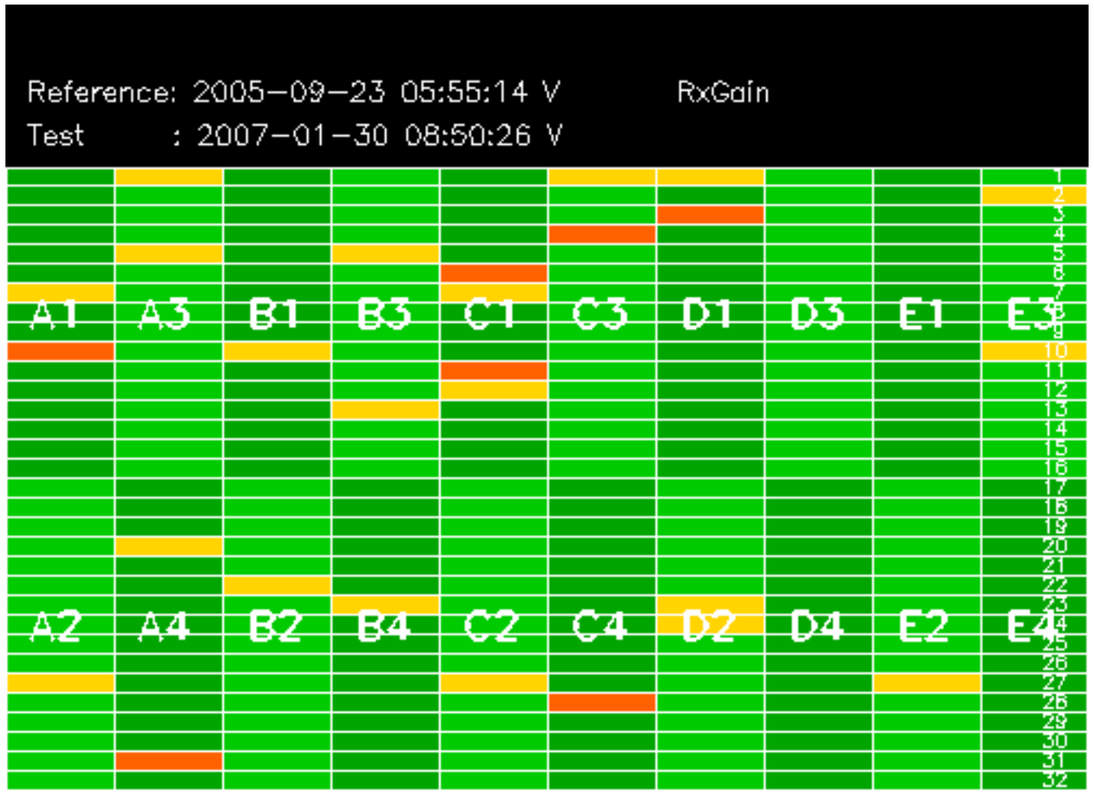

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-01-30 08:50:26 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-30 08:50:26 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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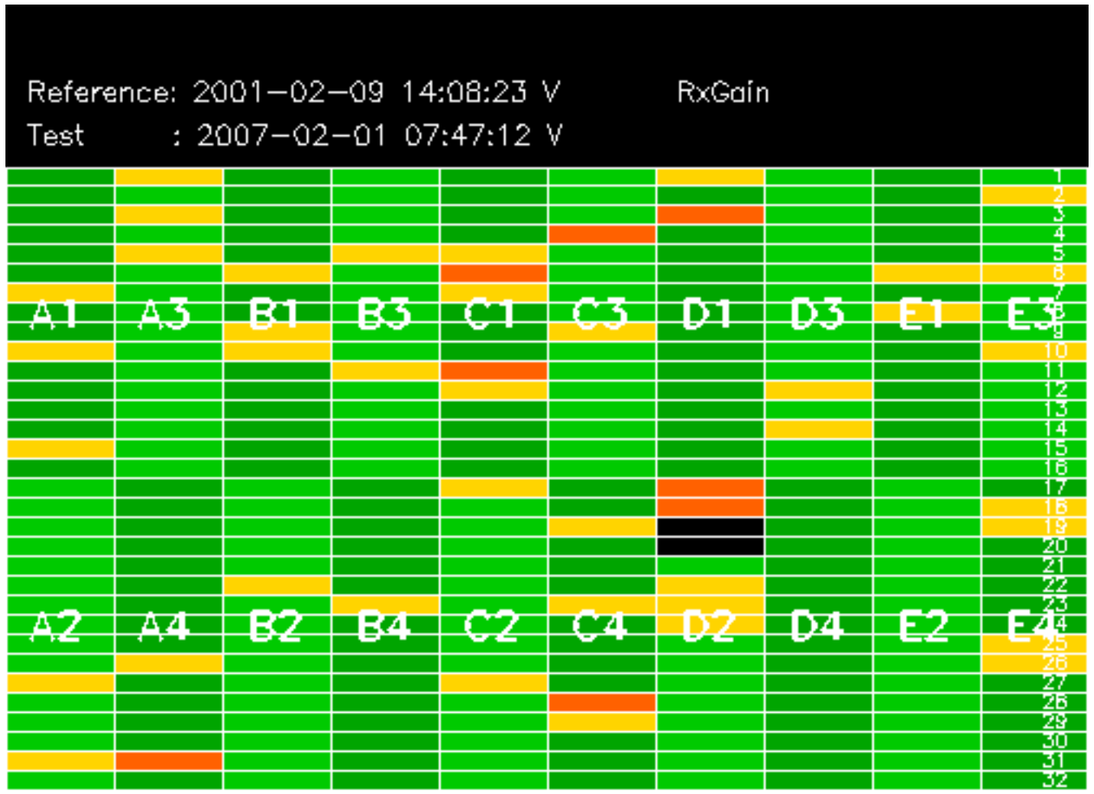
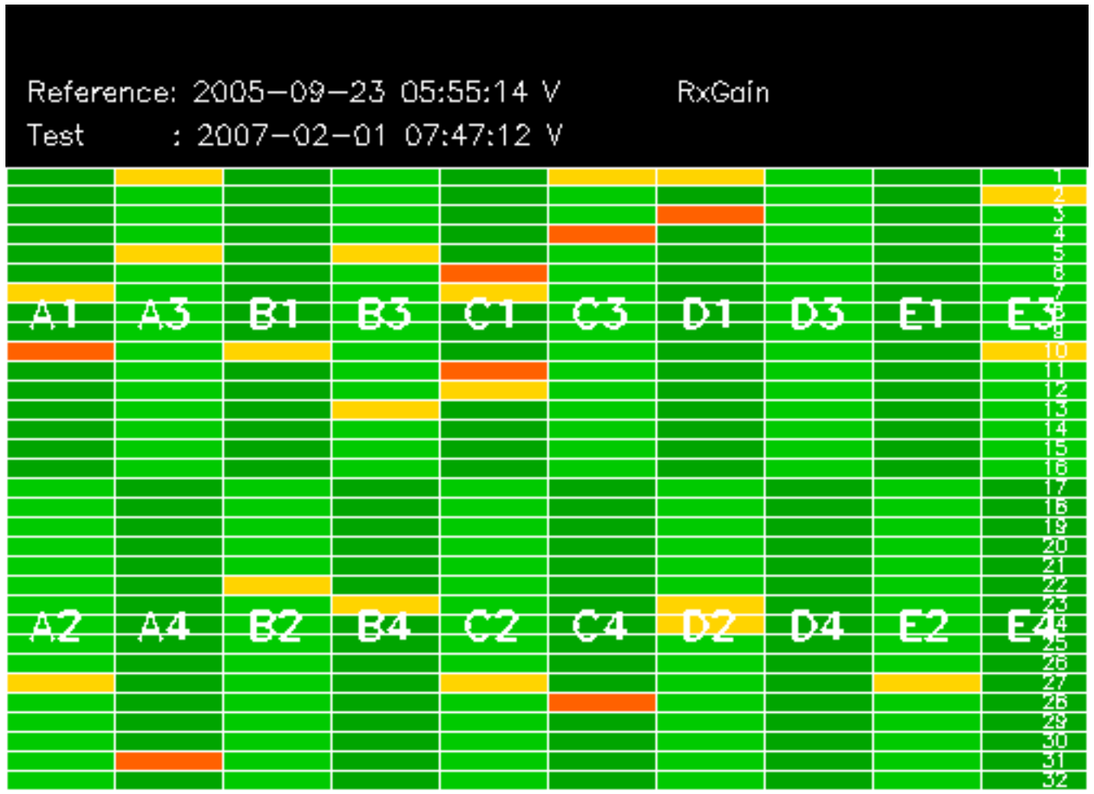

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-02-01 07:47:12 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 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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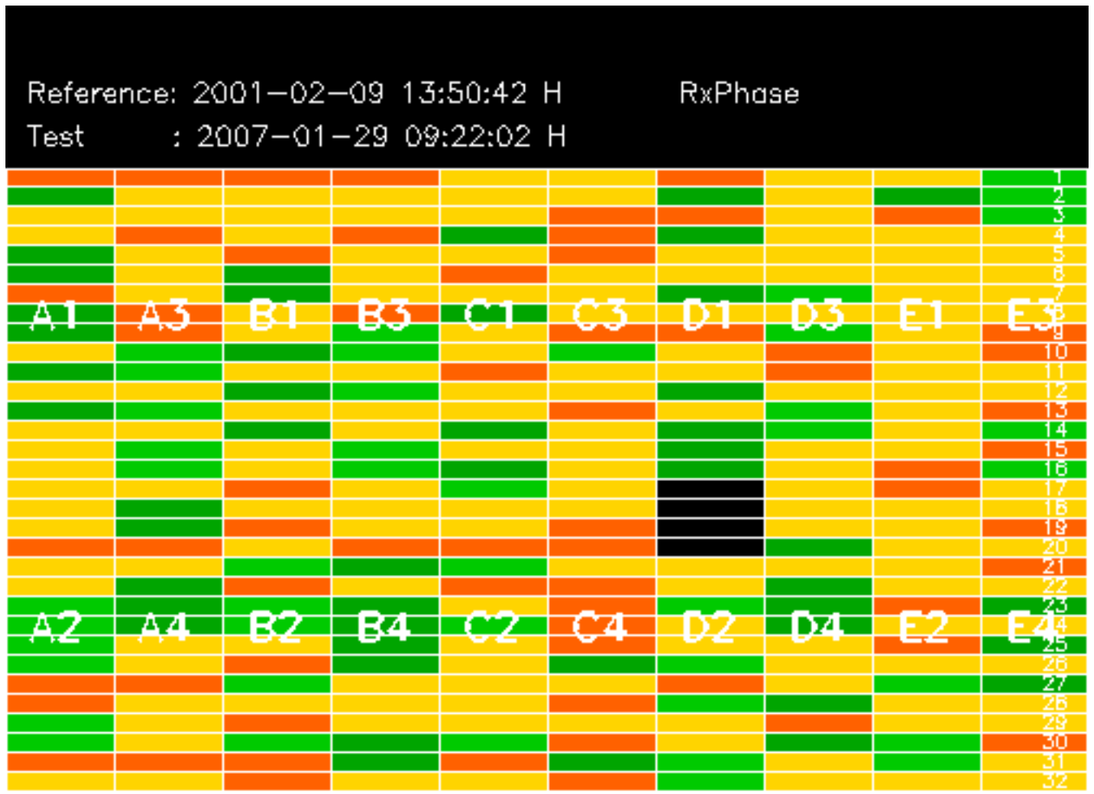
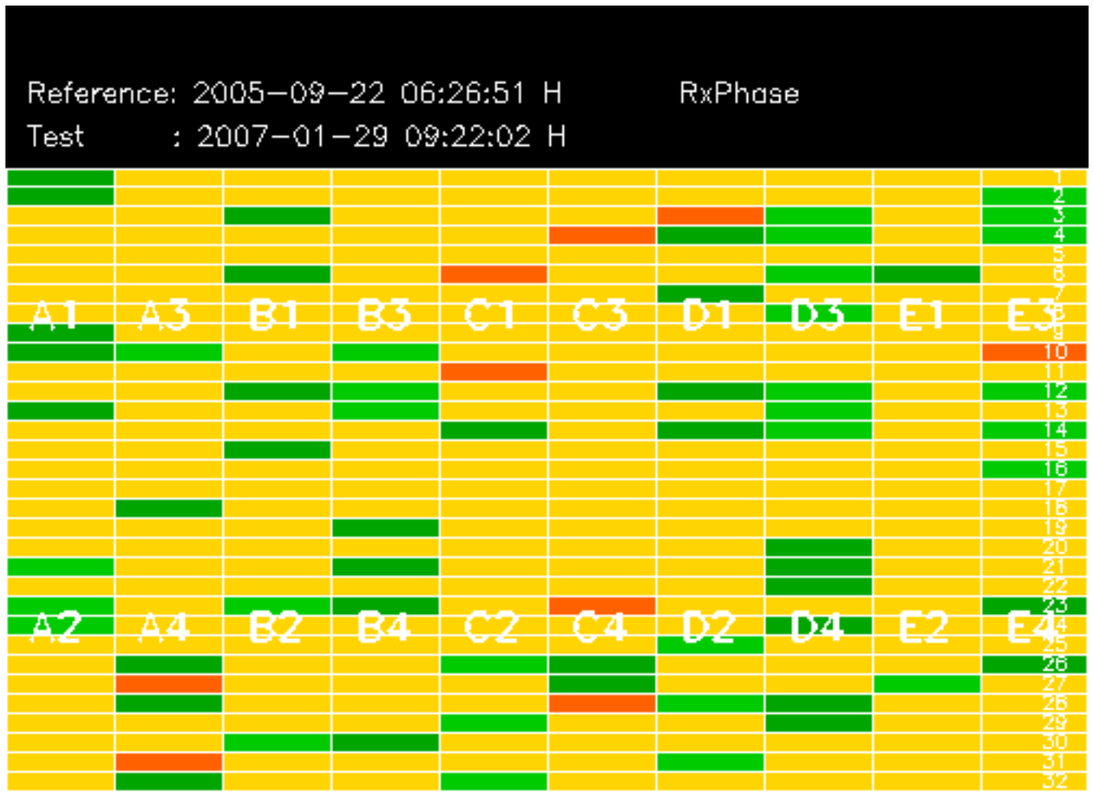
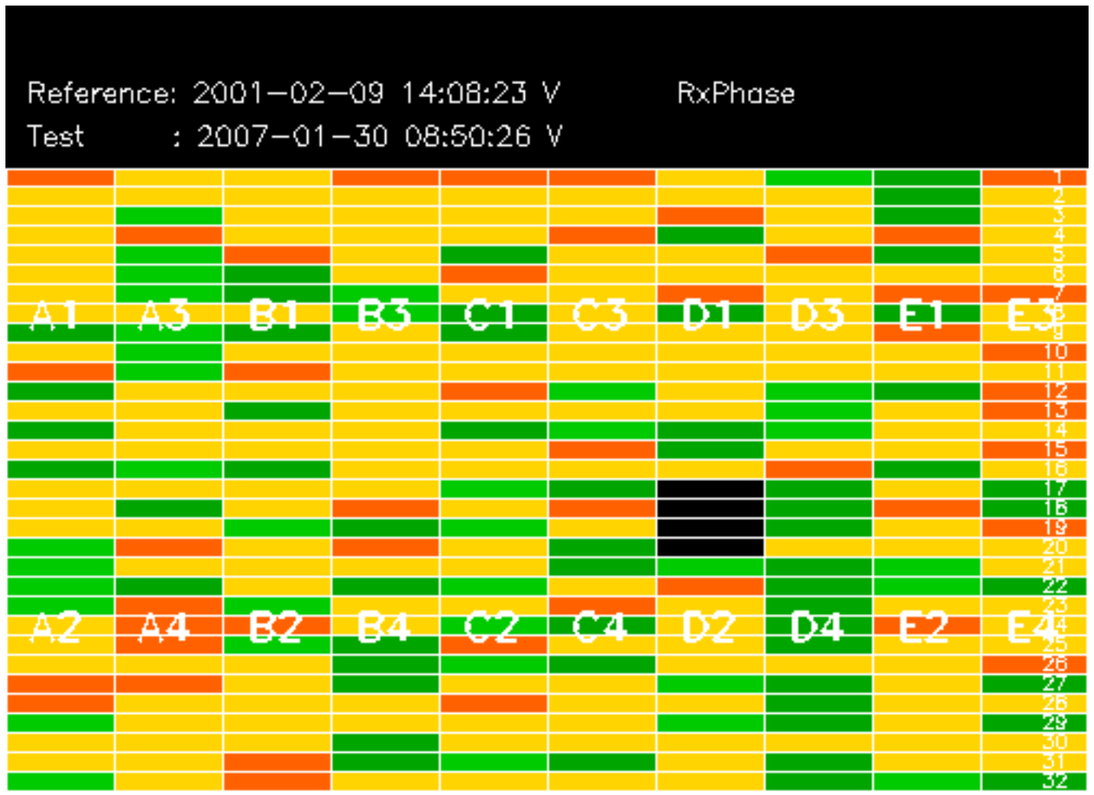
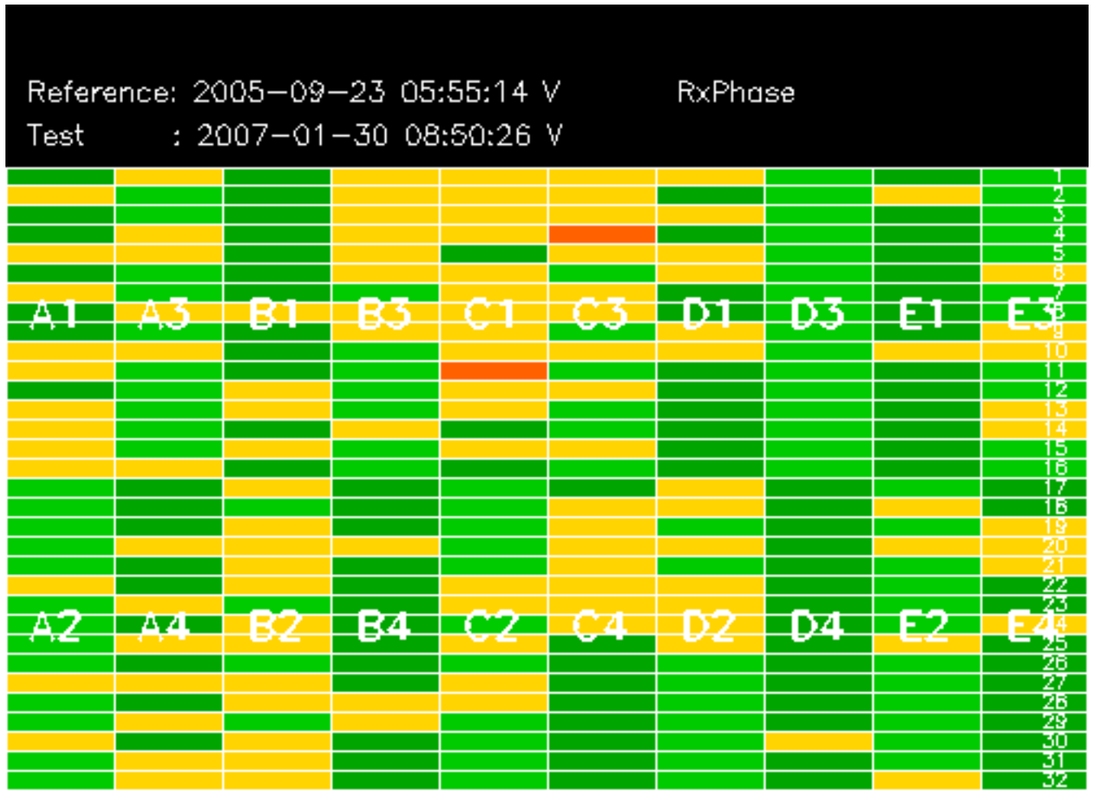

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-01-29 09:22:02 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-01-29 09:22:02 H
RxPhase
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 : 2007-01-30 08:50:26 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 : 2007-01-30 08:50:26 V
RxPhase
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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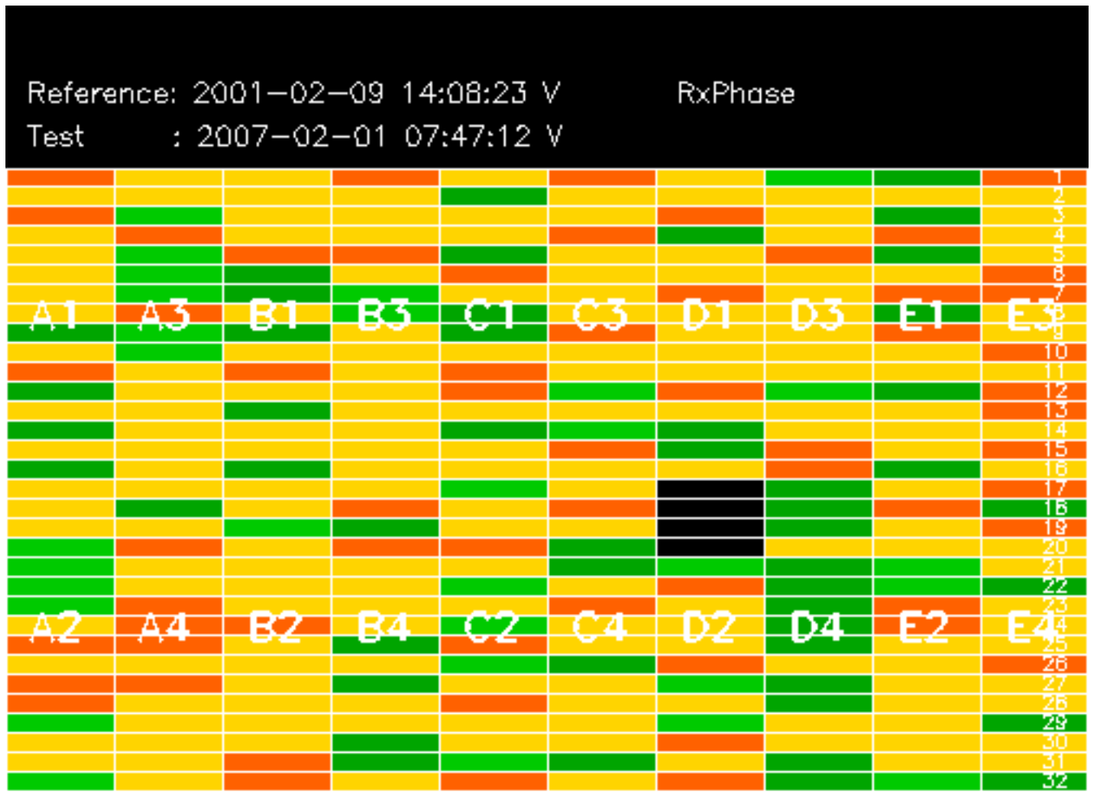
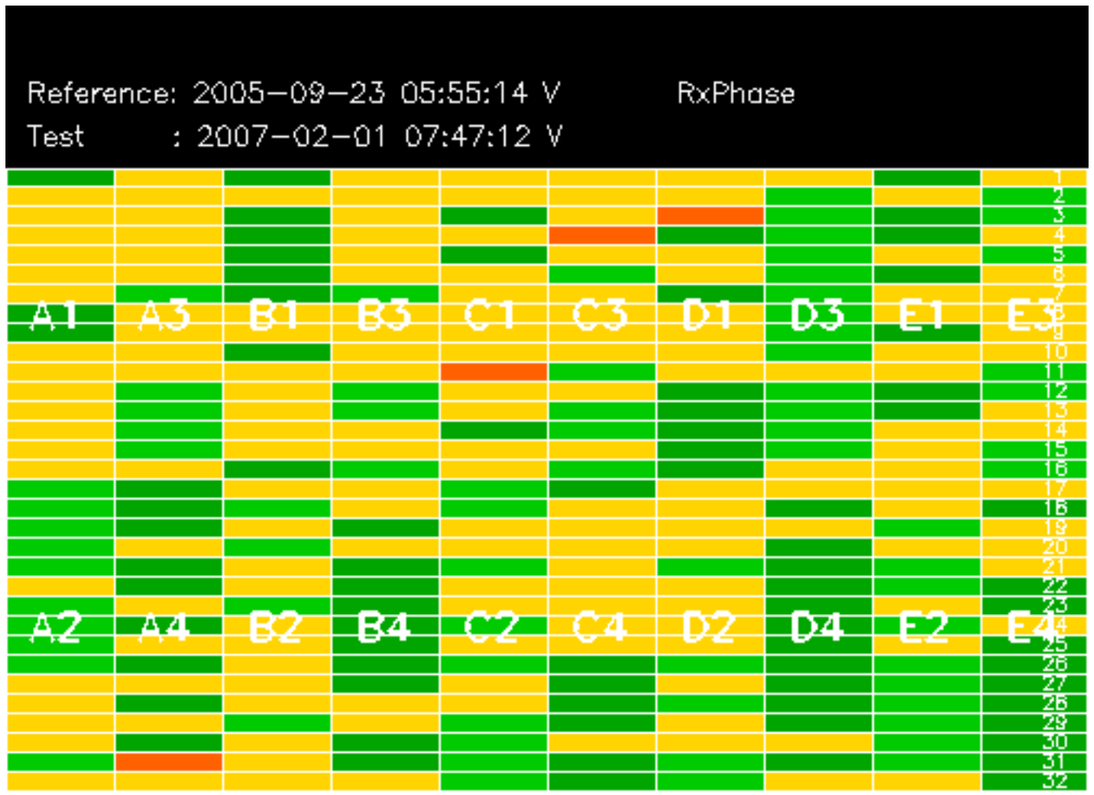
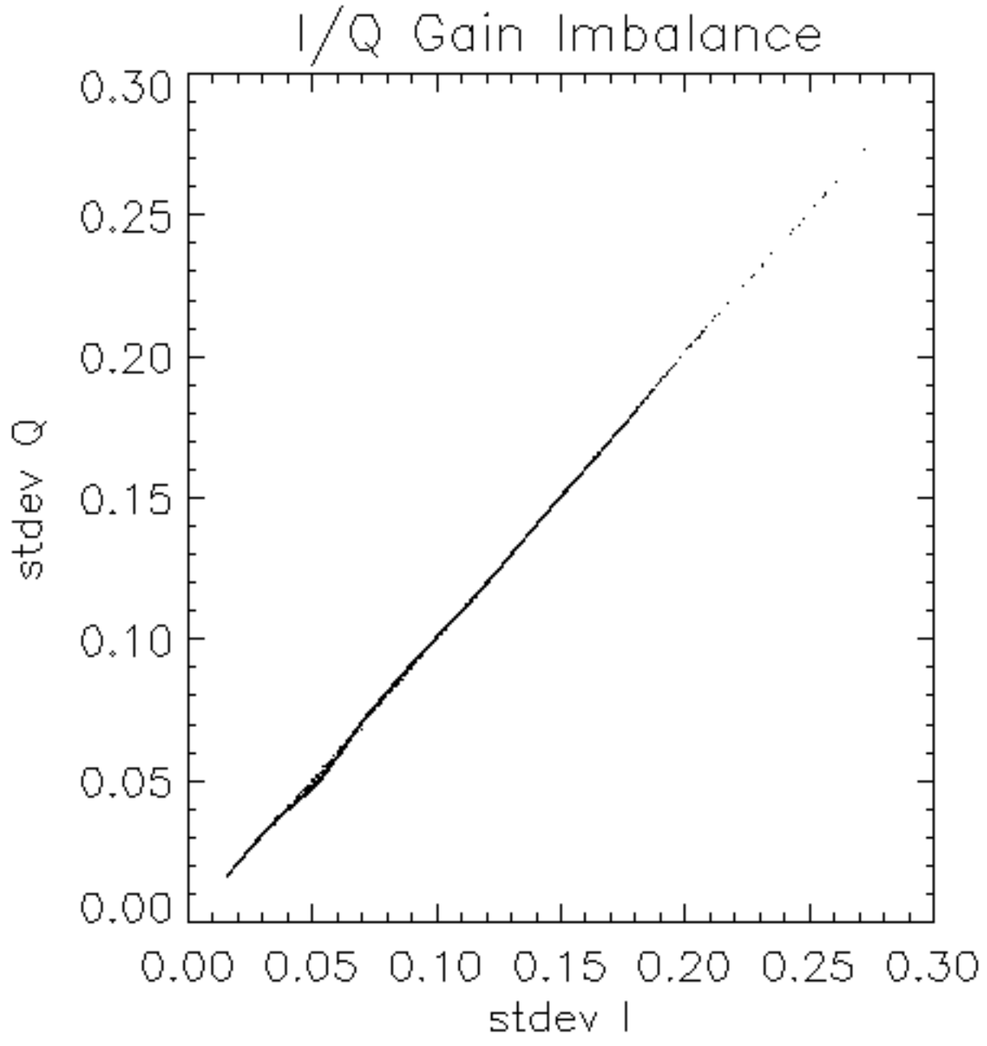
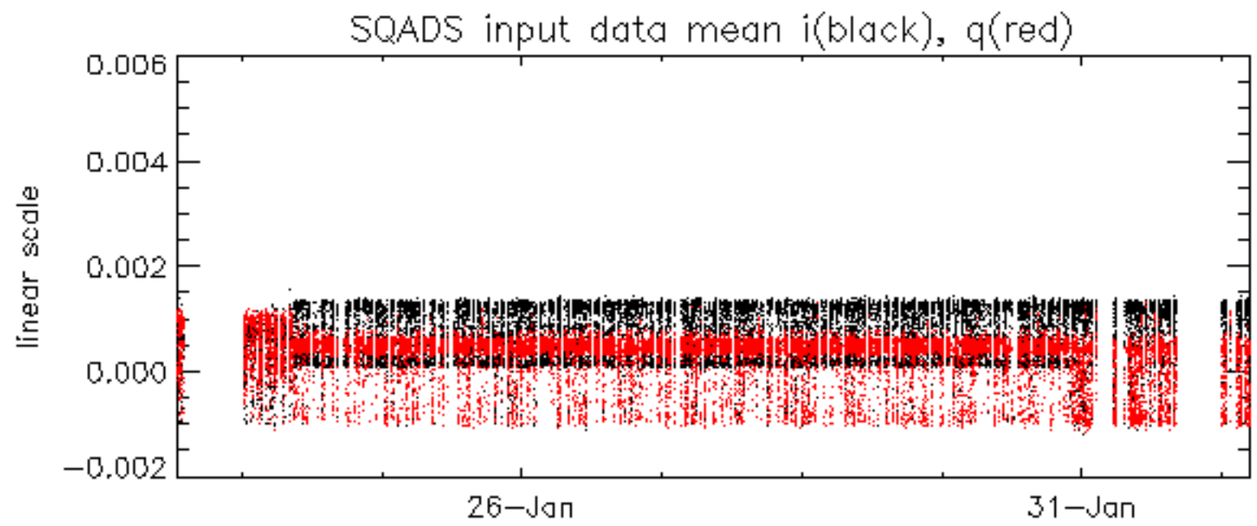
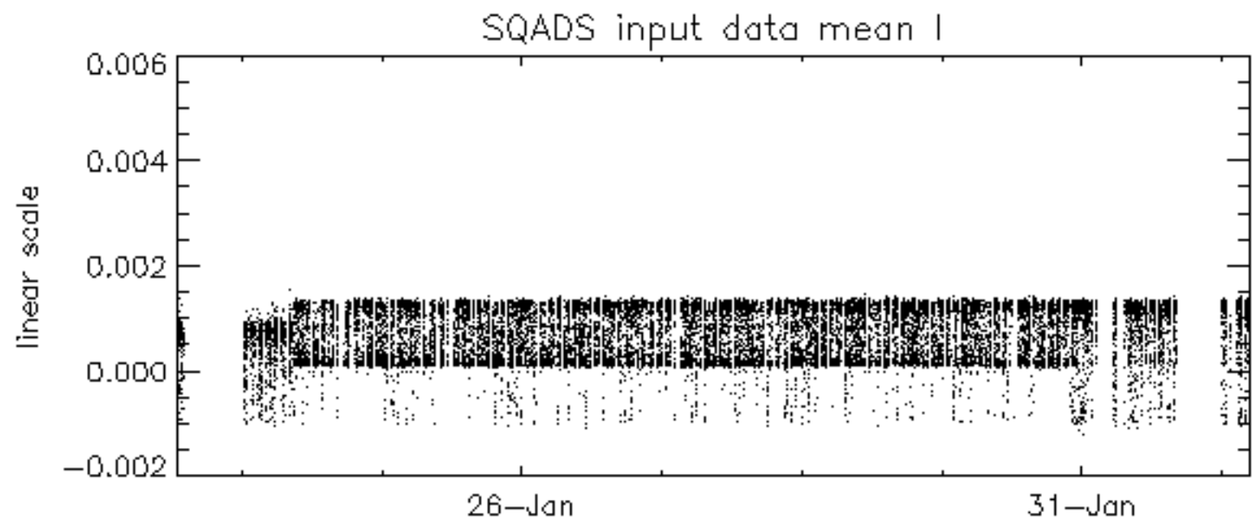
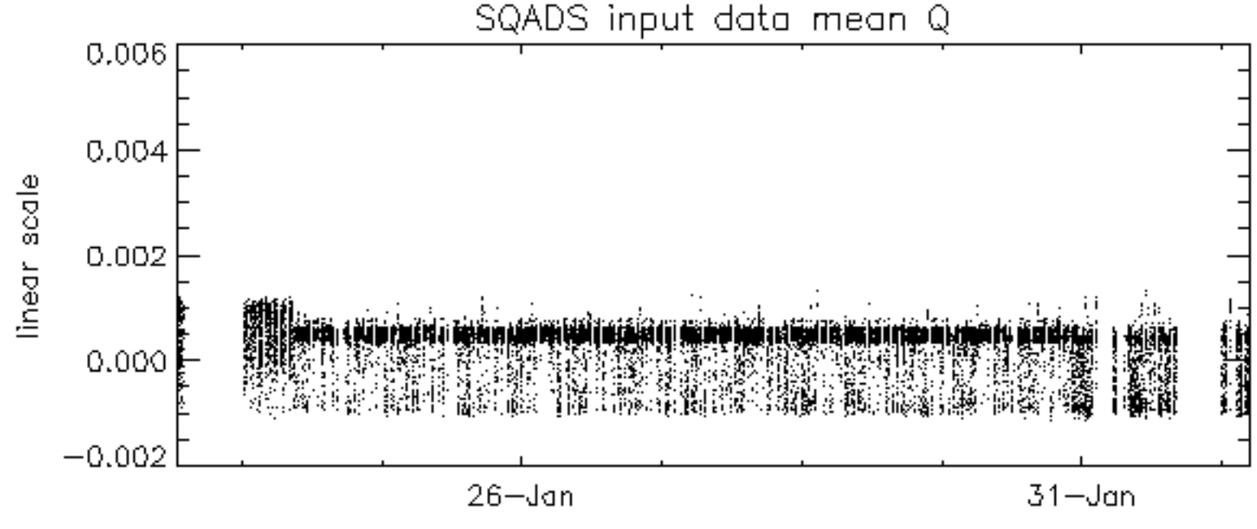

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

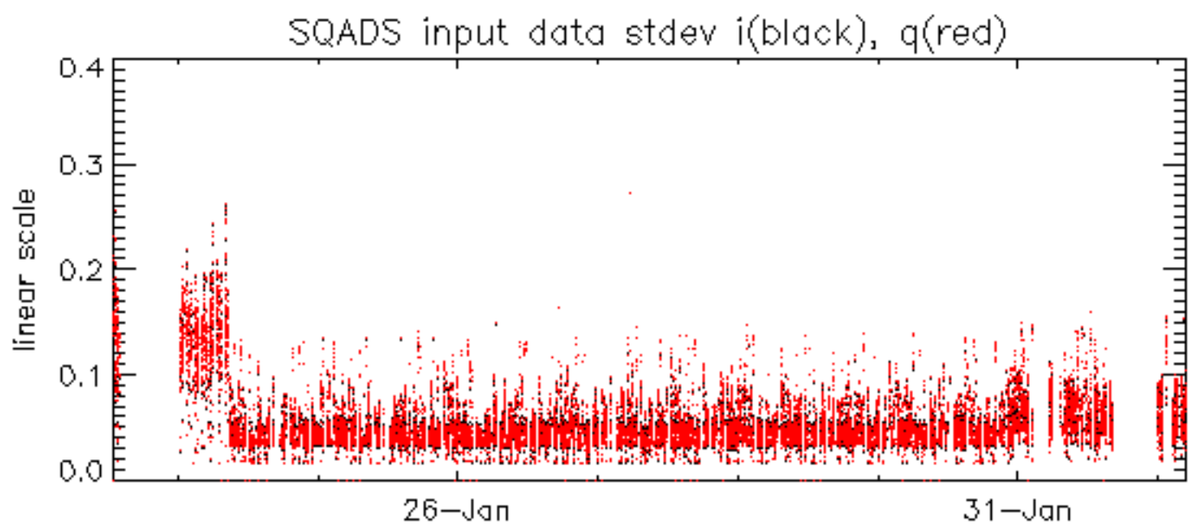

Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

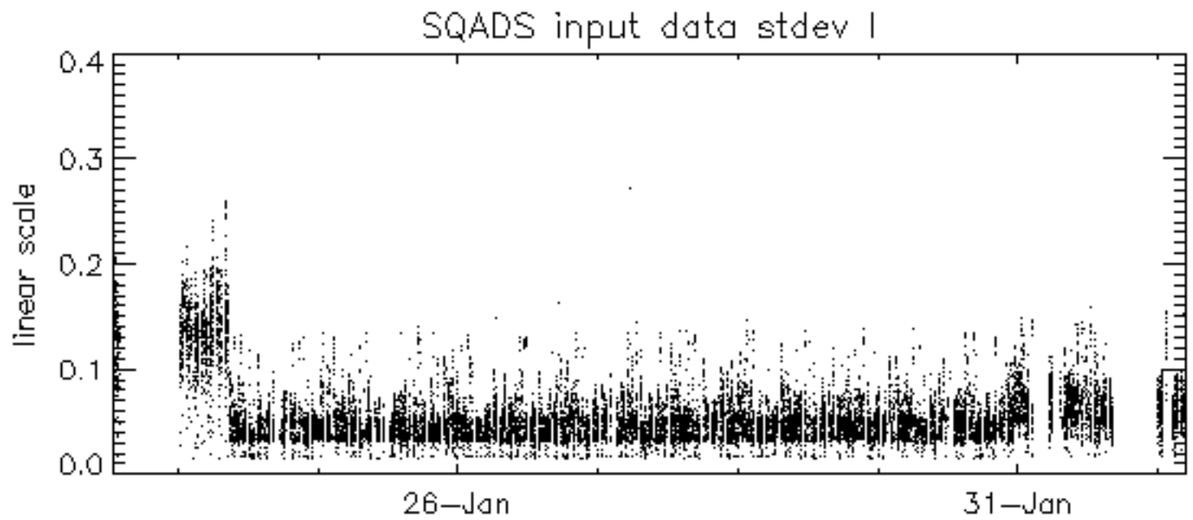

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

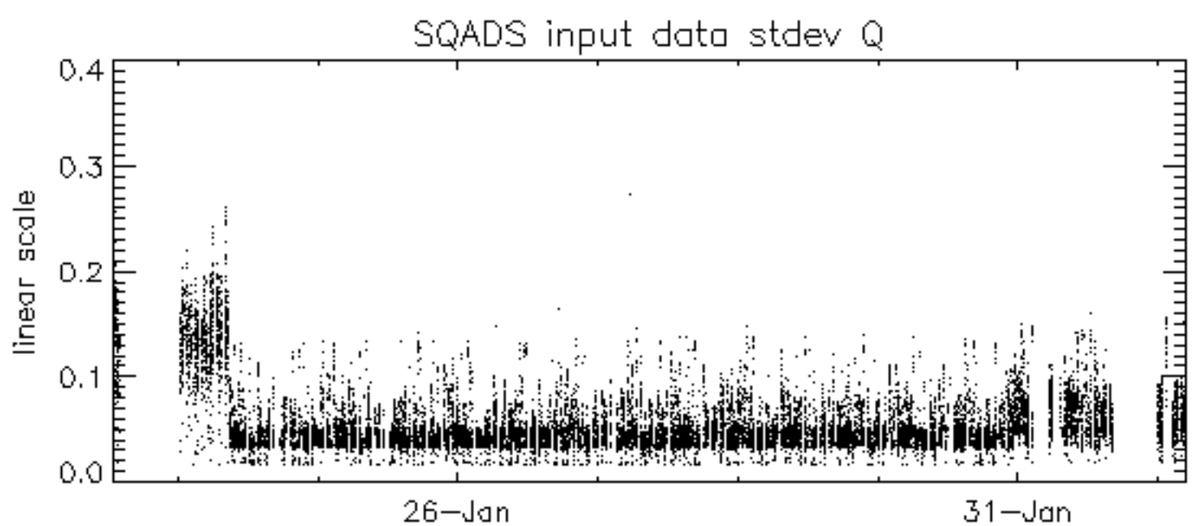

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan

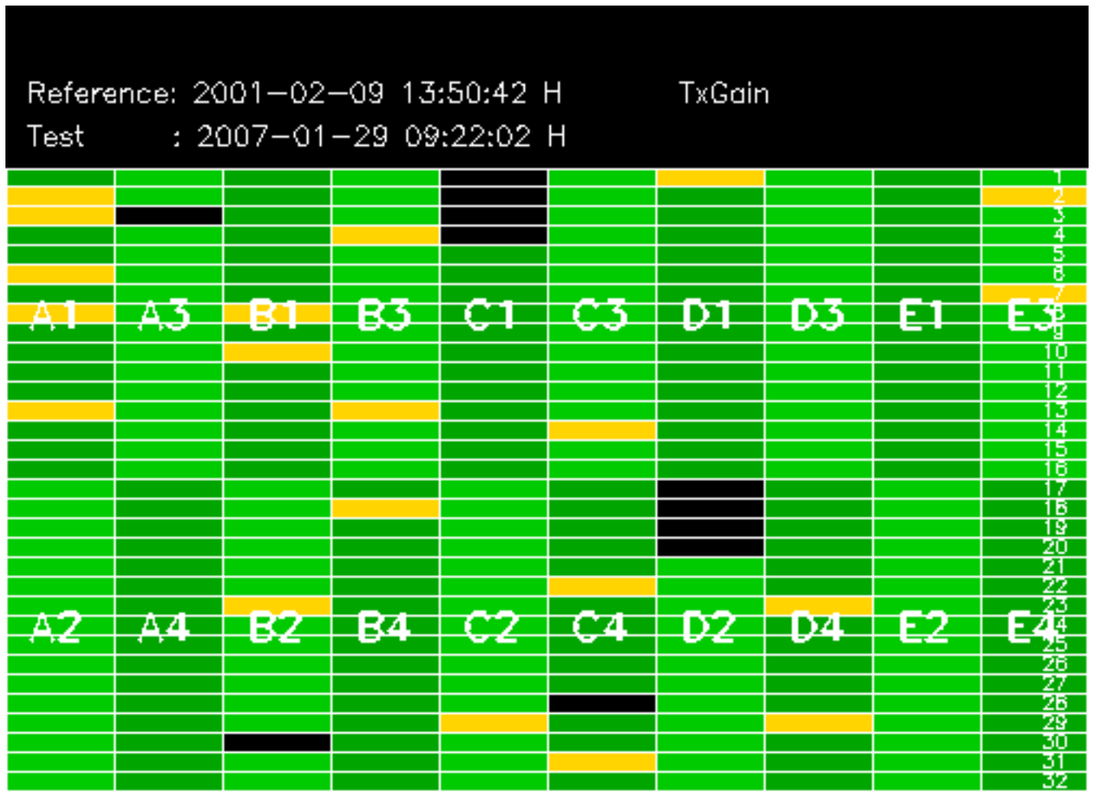

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan

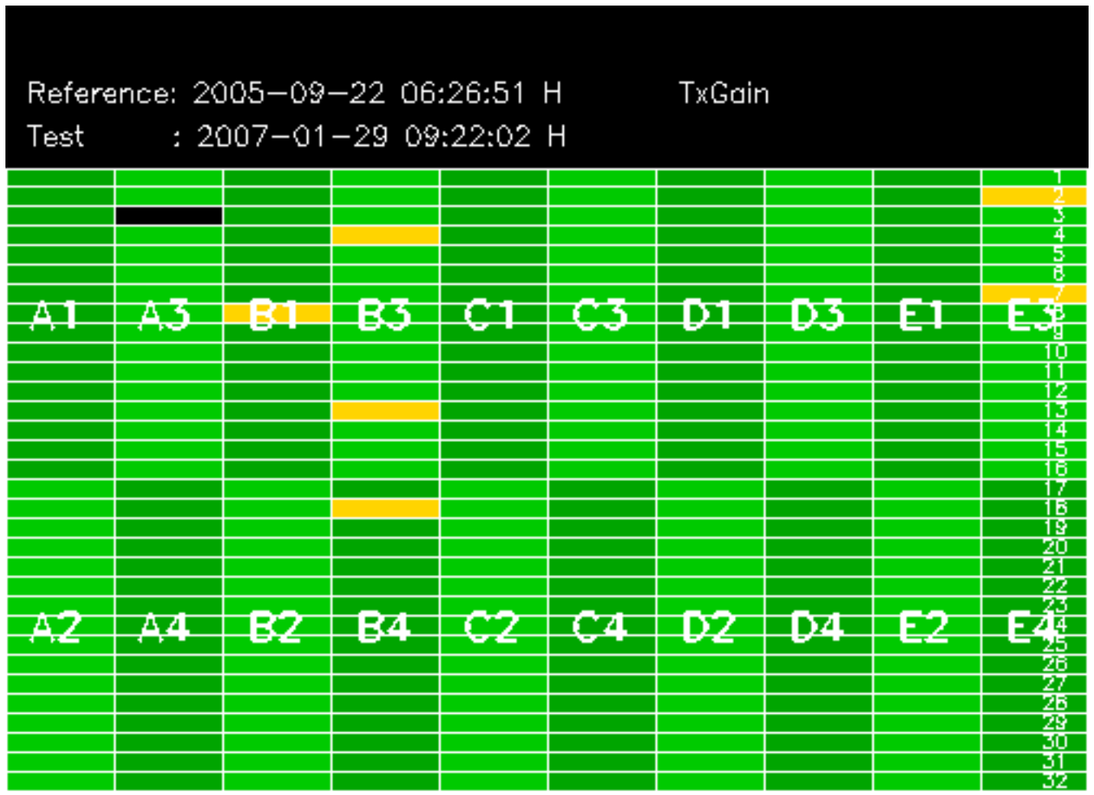

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan

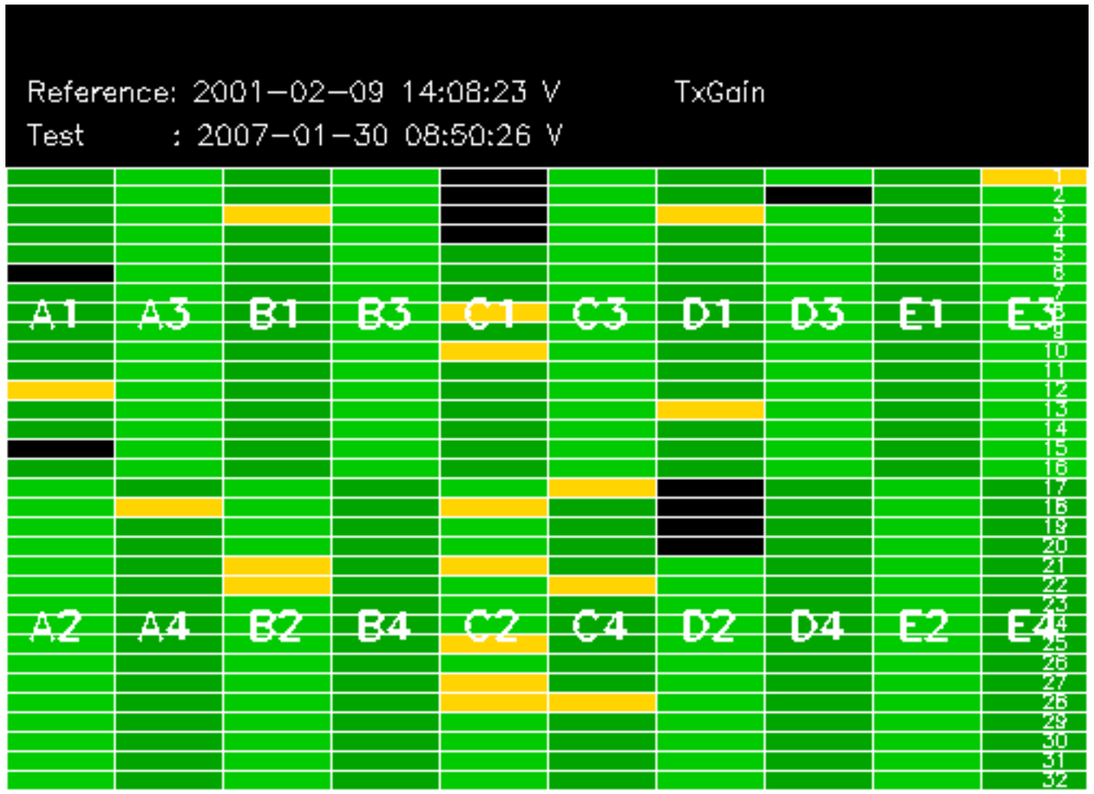

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
26–Jan
31–Jan

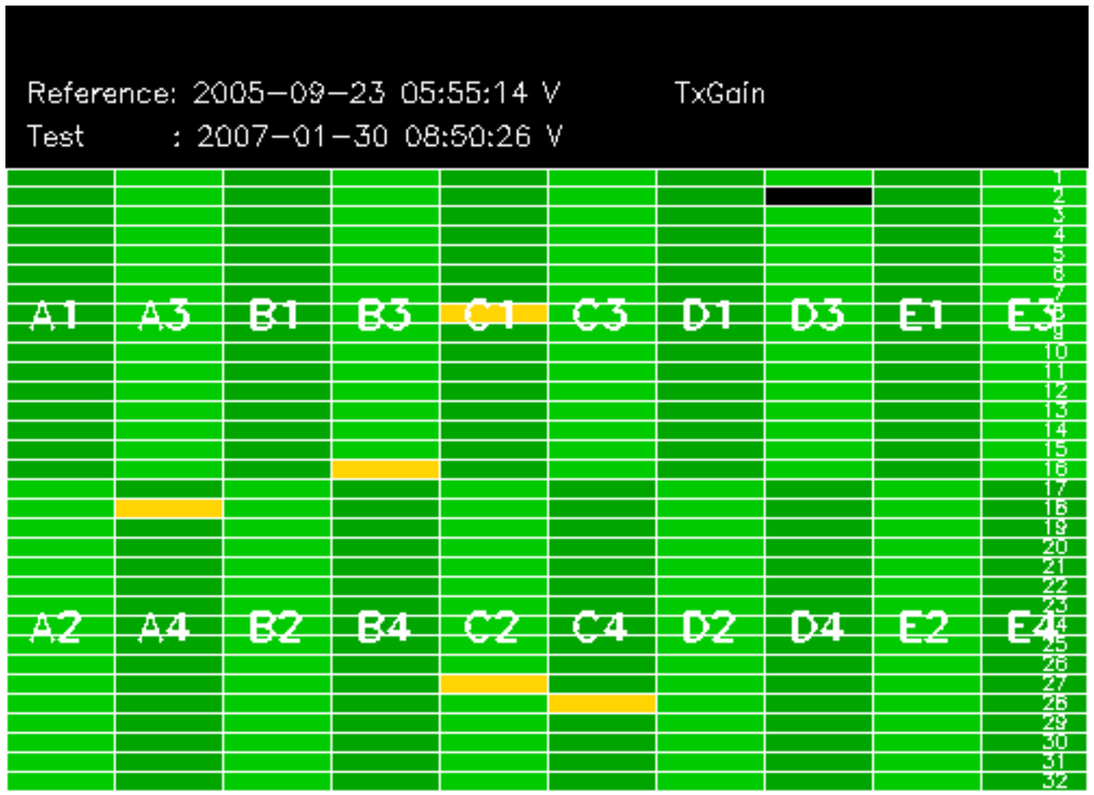

SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26–Jan
31–Jan


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26–Jan
31–Jan


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-29 09:22:02 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 : 2007-01-29 09:22:02 H
TxGain
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 : 2007-01-30 08:50:26 V
TxGain
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 : 2007-01-30 08:50:26 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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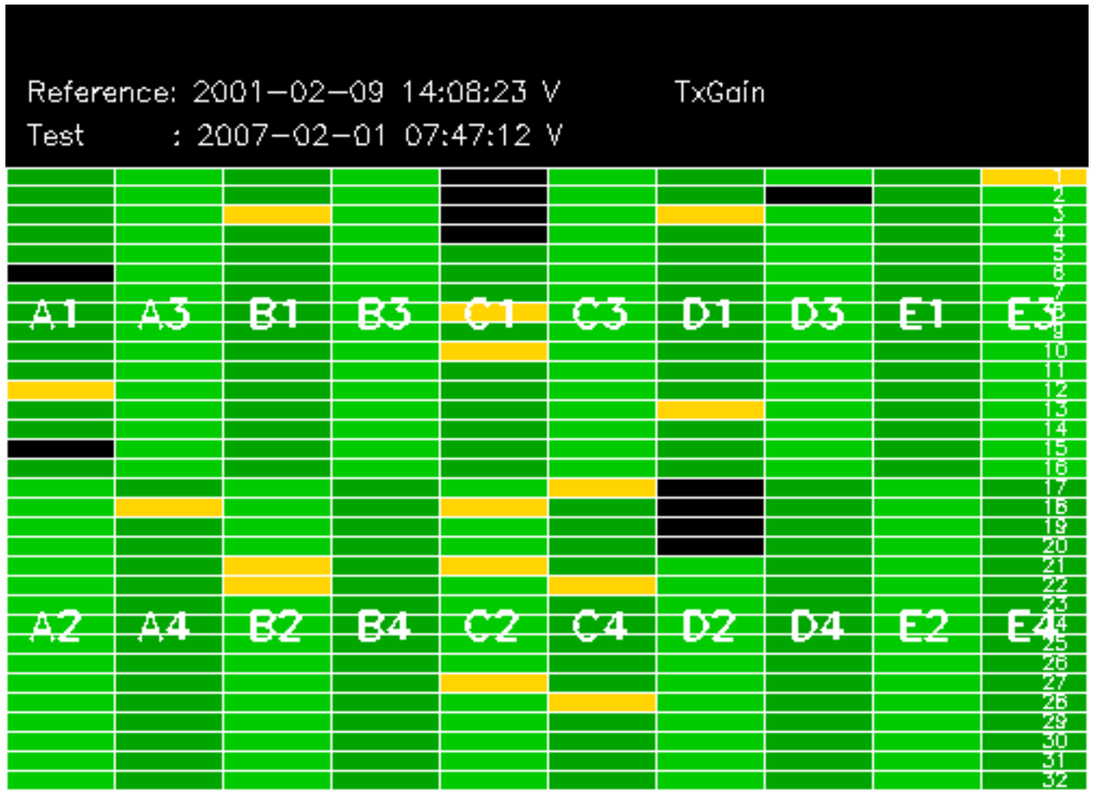
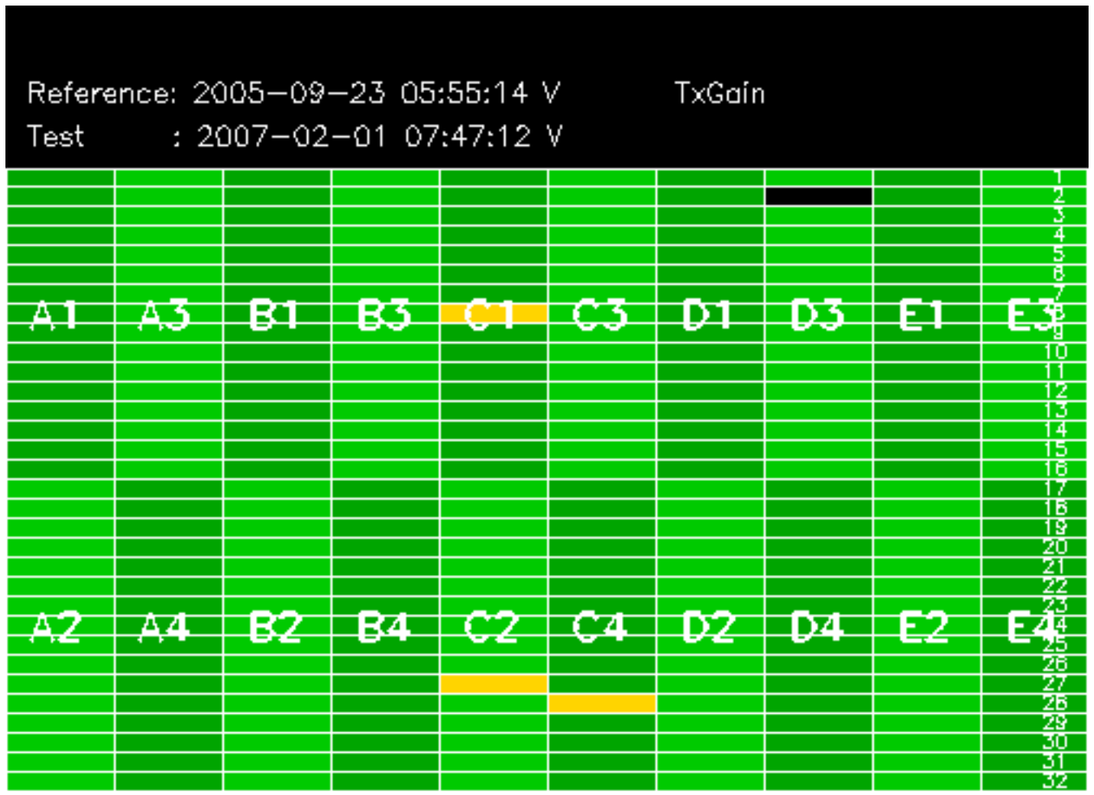

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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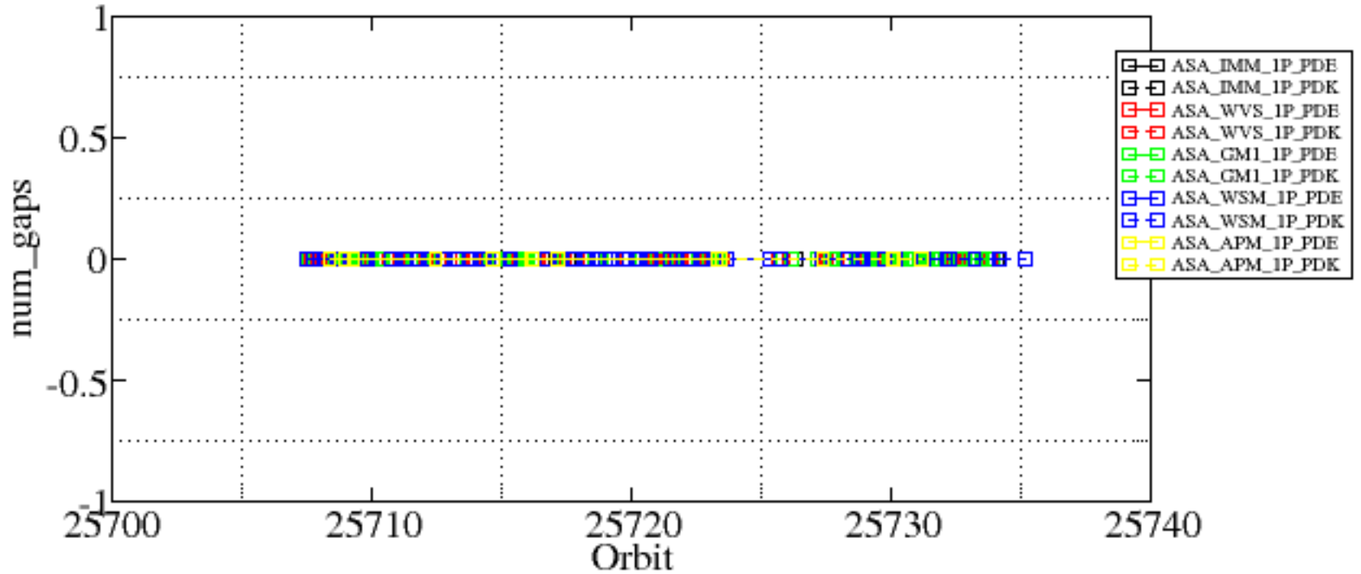
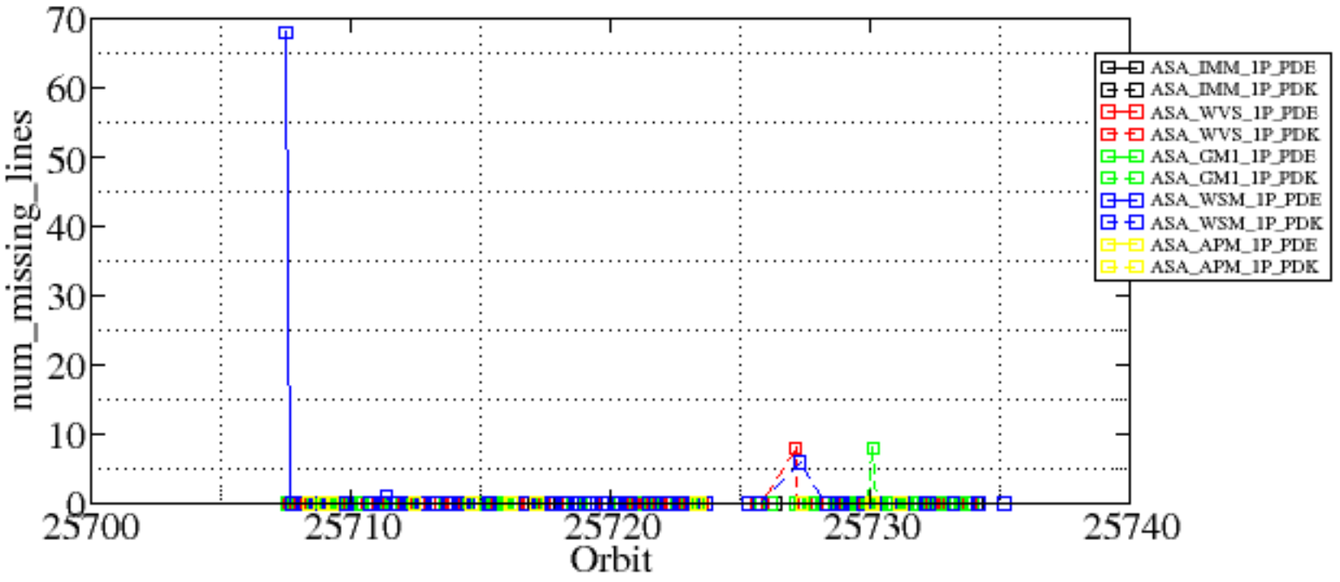
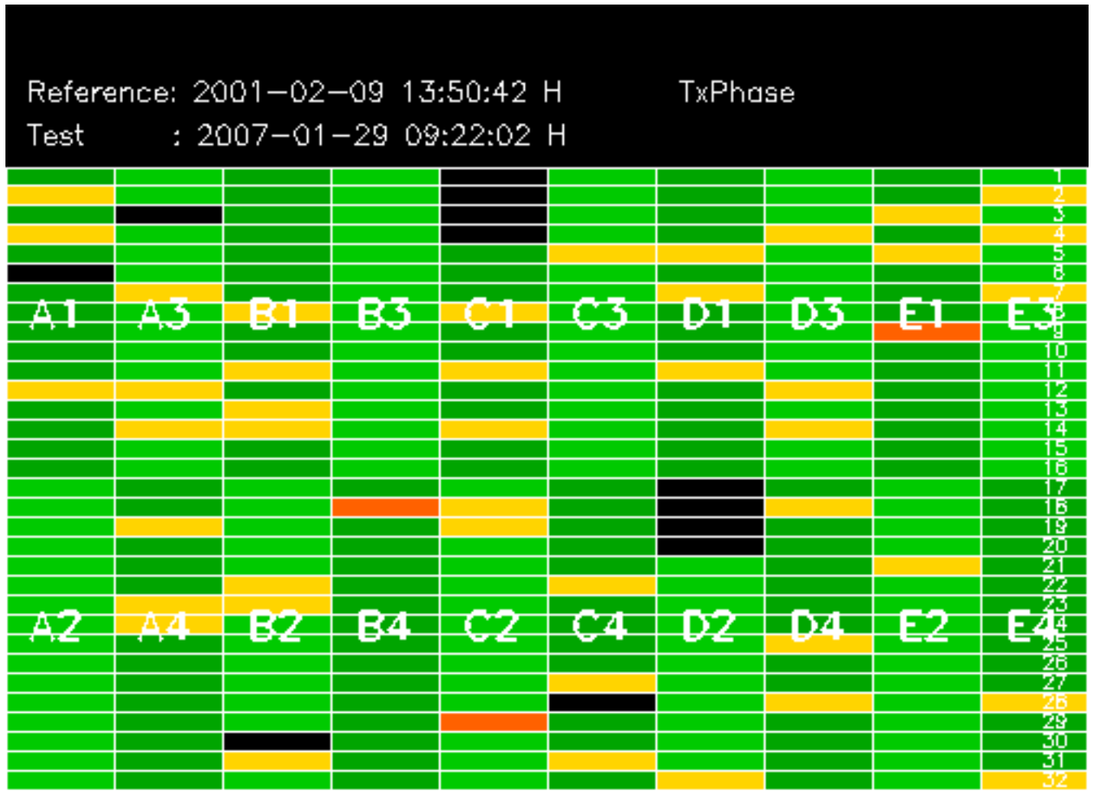
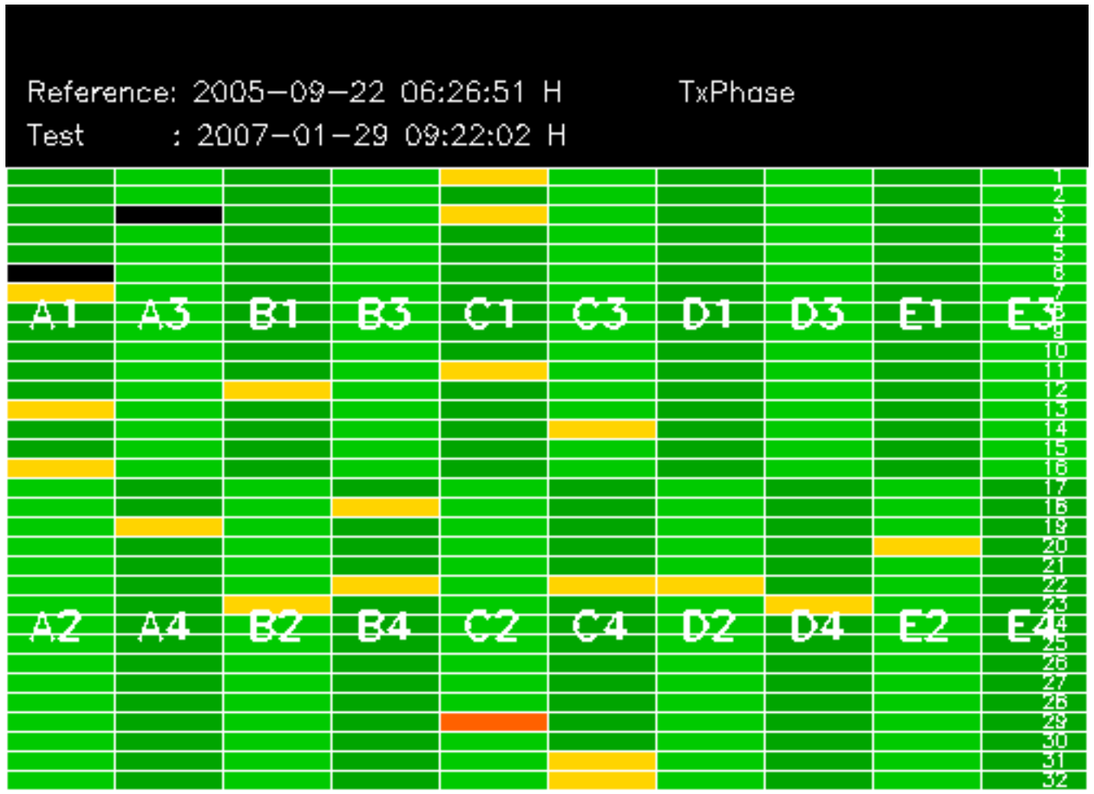
Summary of analysis for the last 3 days 2007013[011]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WVS_1PNPDK20070131_090438_000000452055_00122_25727_9958.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070131_090438_000000452055_00122_25727_9973.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070131_140516_000005552055_00125_25730_0316.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070130_000819_000002452055_00102_25707_9211.N1 </td> <td>0 </td> <td>68 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070130_063931_000000852055_00106_25711_9762.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070131_092147_000003422055_00122_25727_0151.N1 </td> <td>0 </td> <td>6 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
25700
25710
25720
25730
25740
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


num_missing_lines
70
60
50
40
30
20
10
0
25700
25710
25720
25730
25740
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 : 2007-01-29 09:22:02 H
TxPhase
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 : 2007-01-29 09:22:02 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
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16
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18
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21
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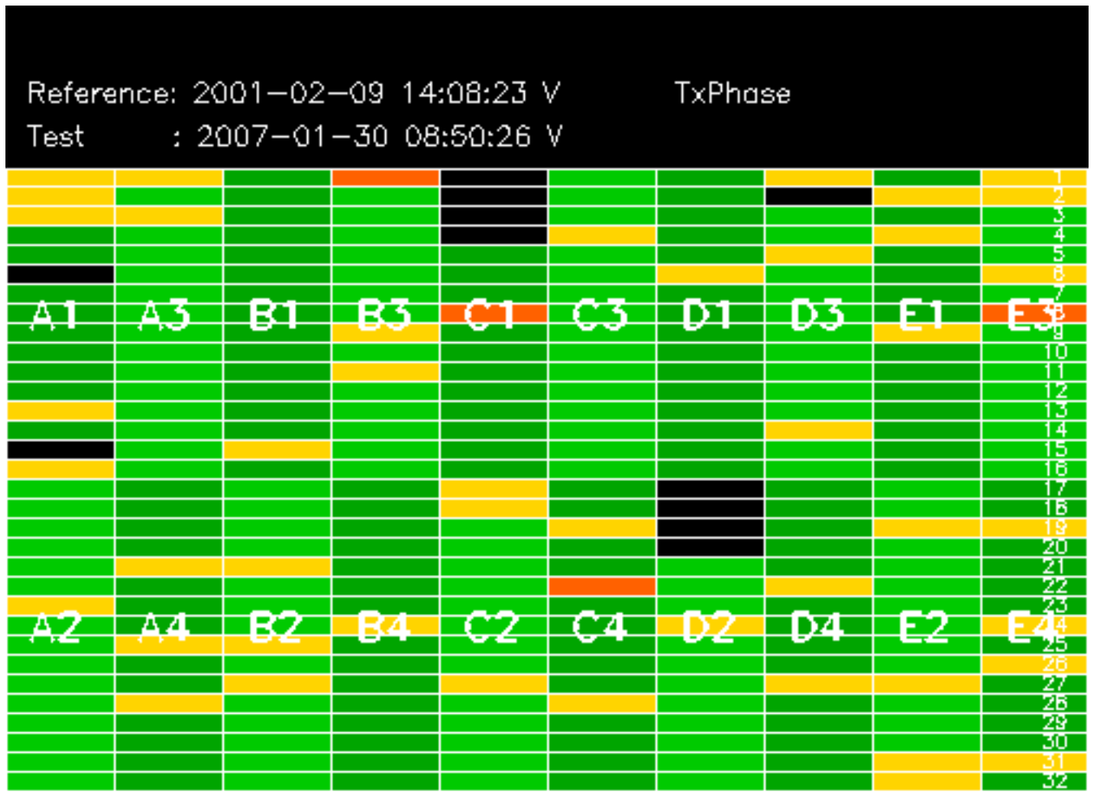
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-01-30 08:50:26 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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14
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16
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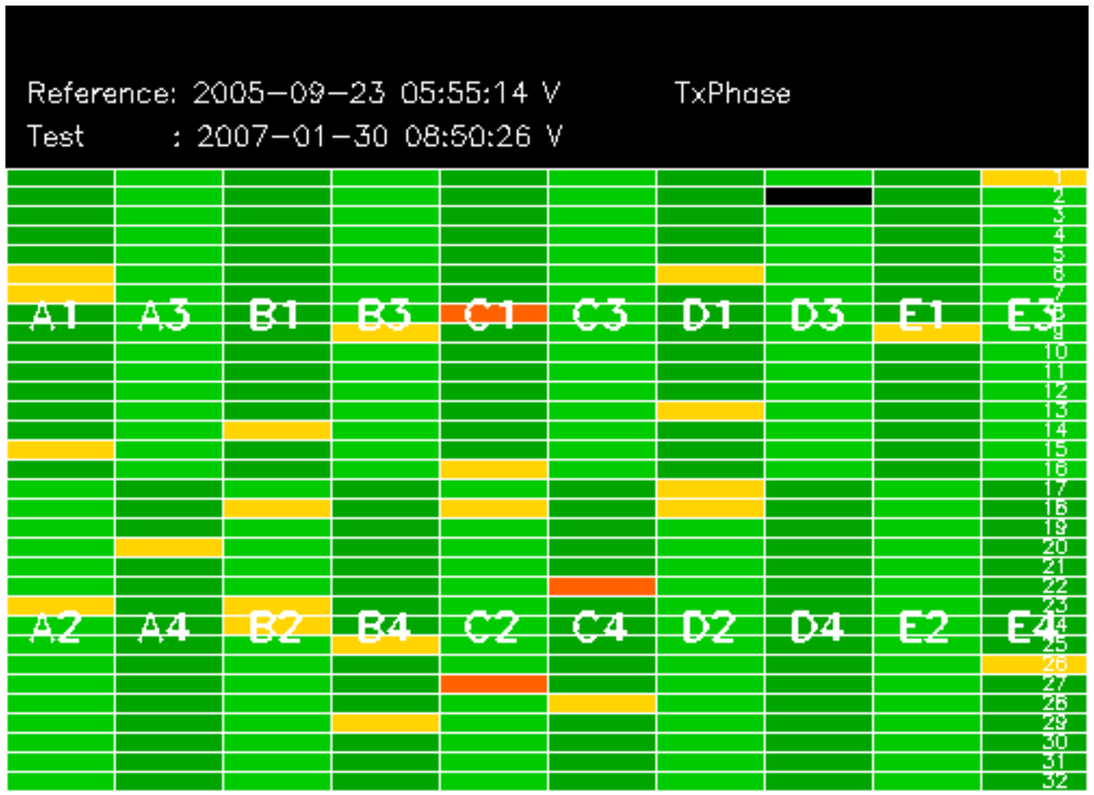
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-30 08:50:26 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
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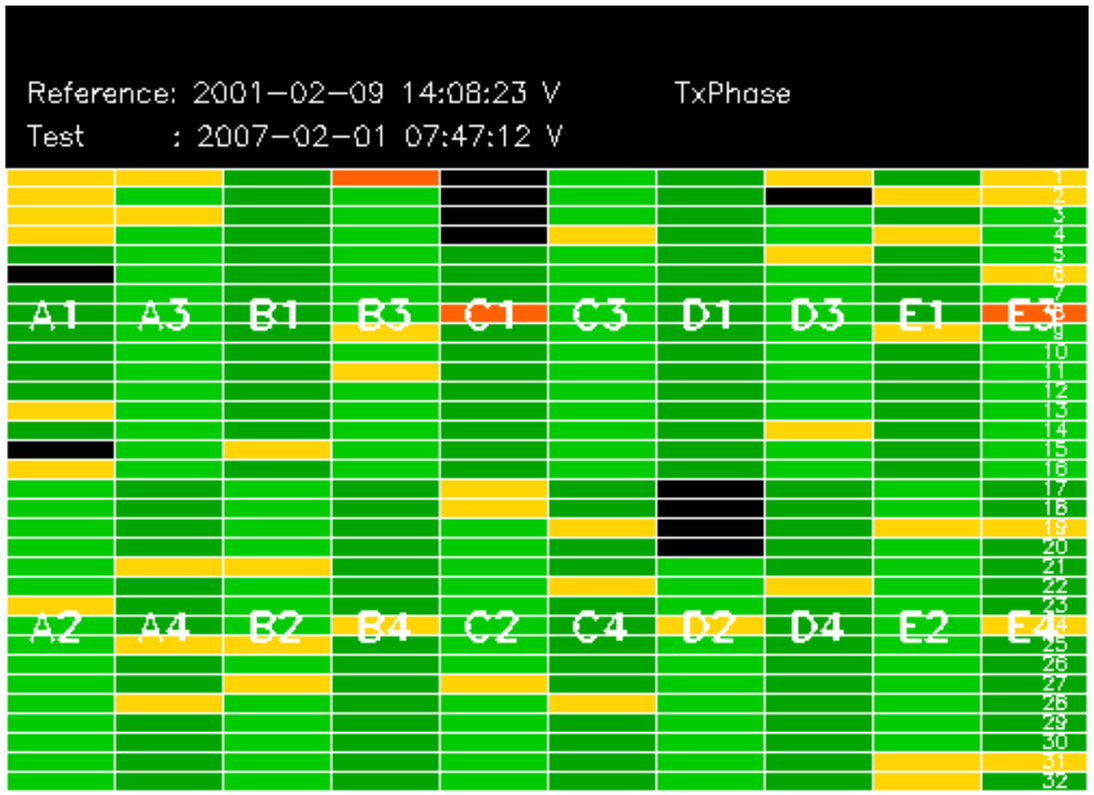
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
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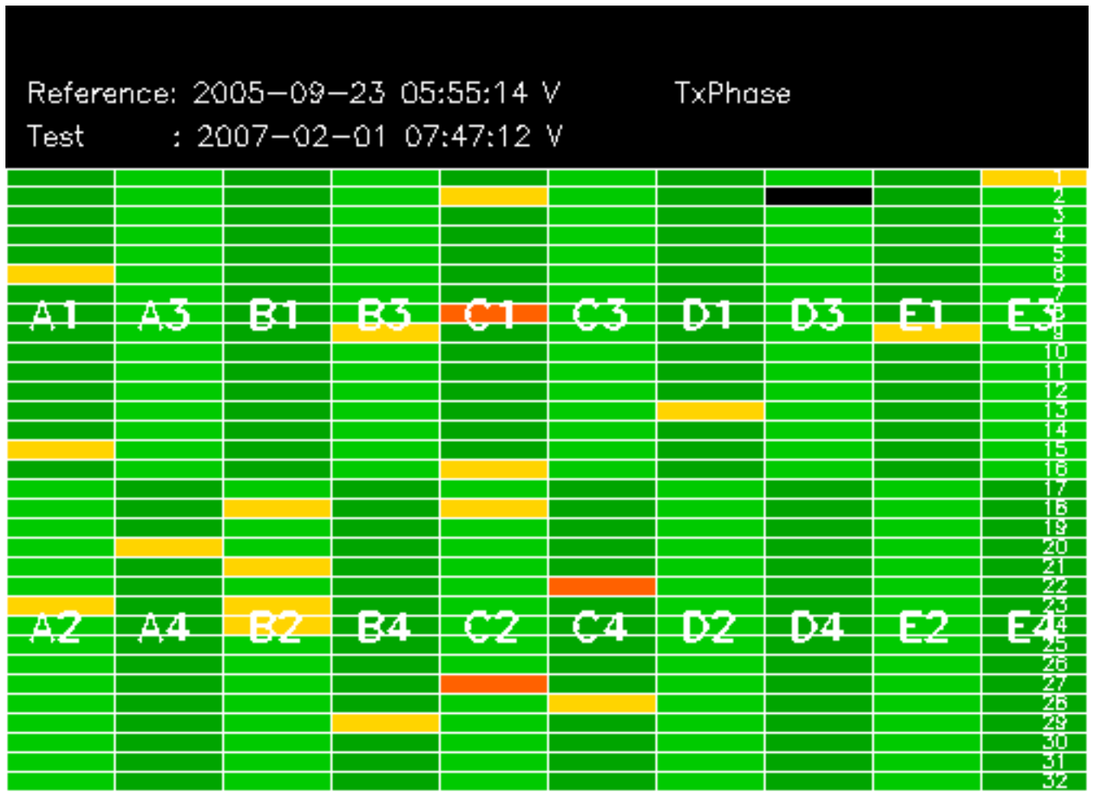
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 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
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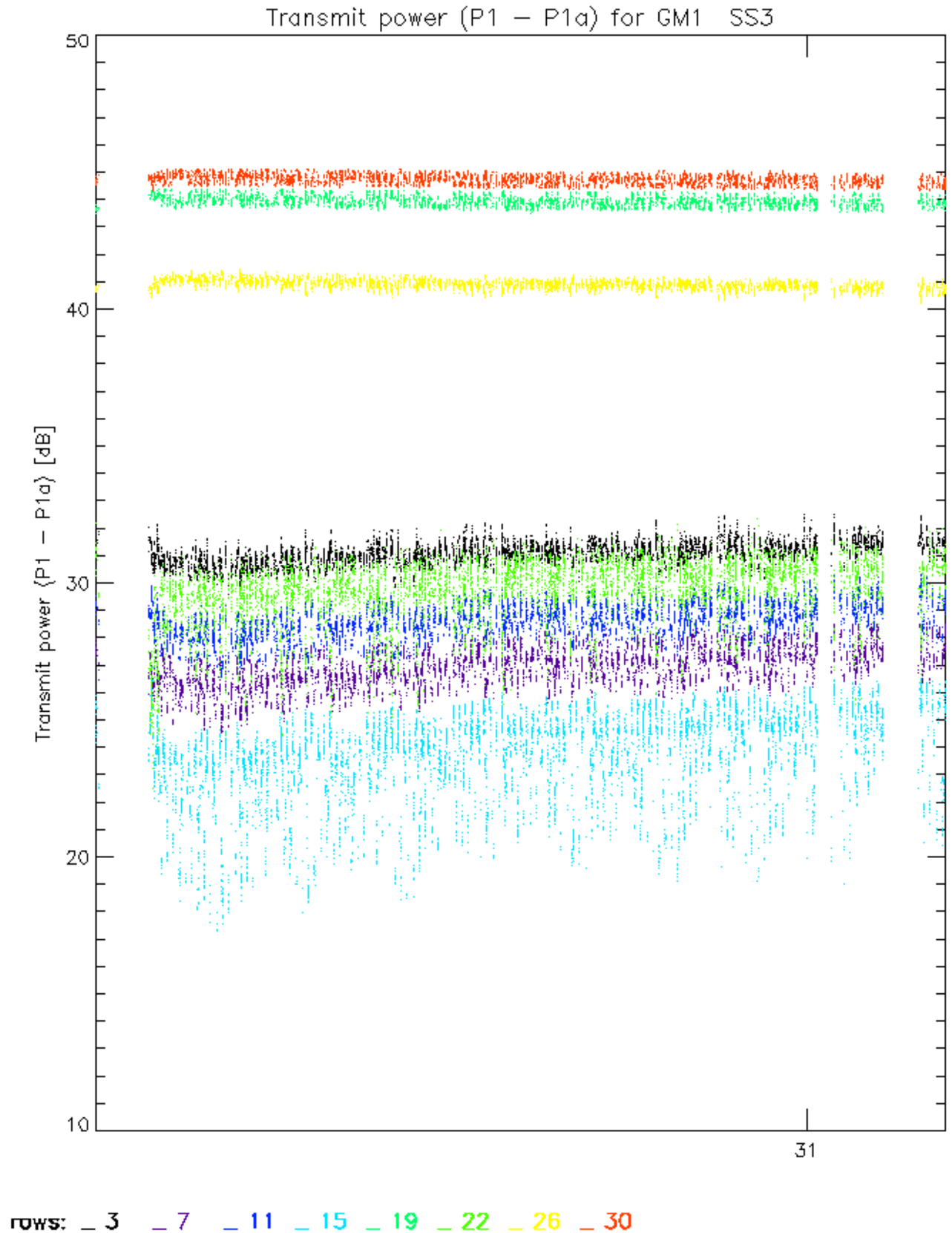
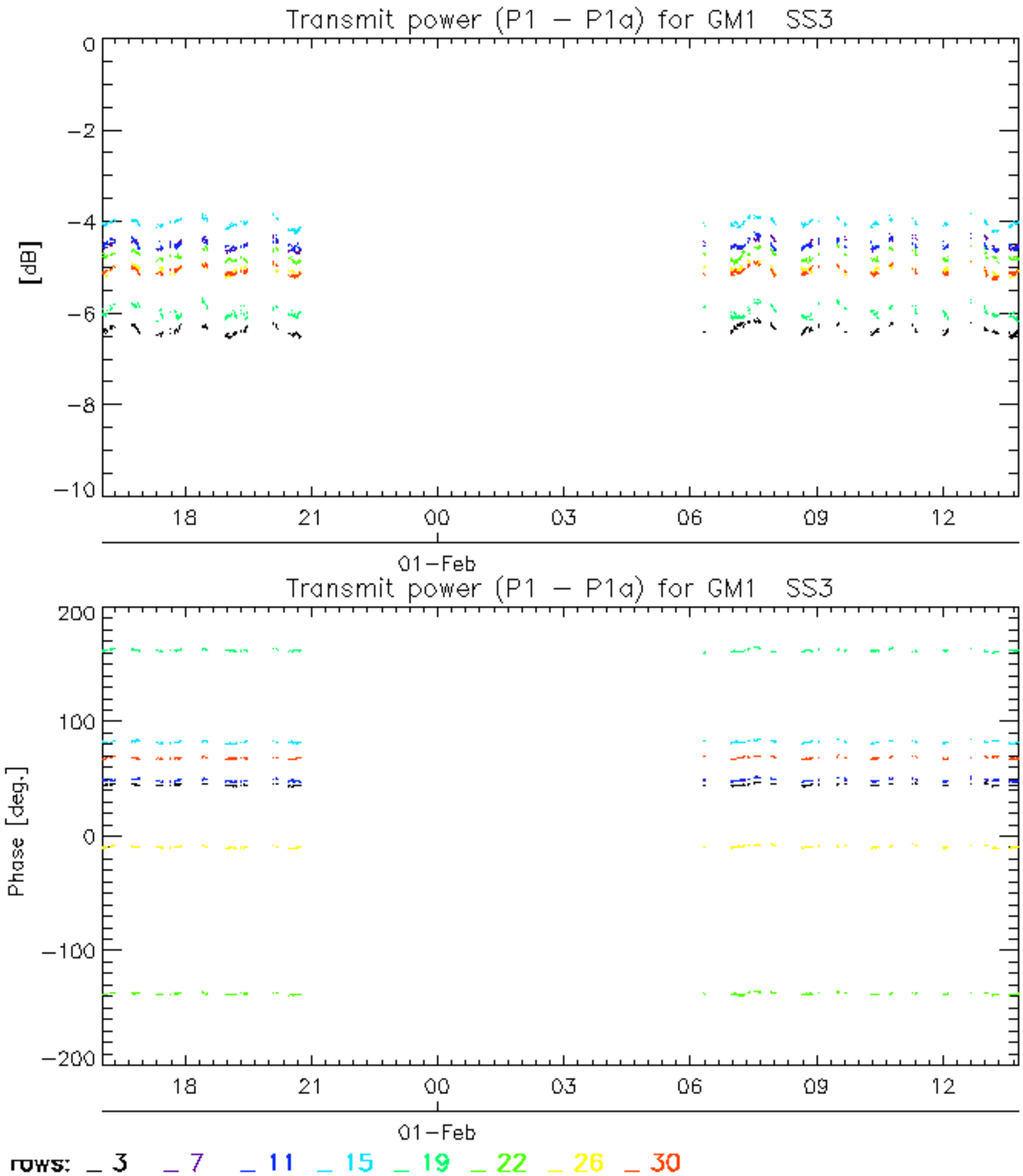
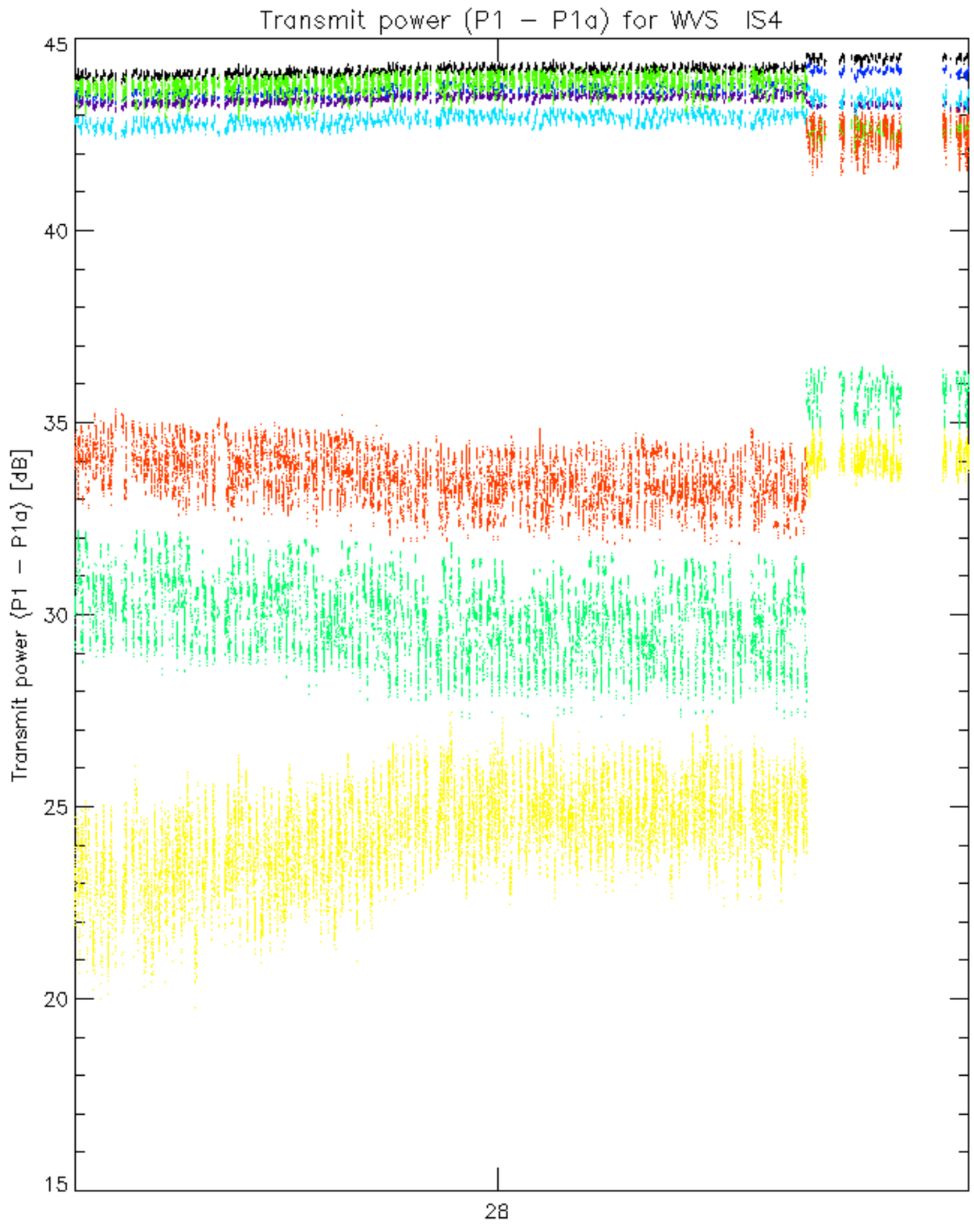
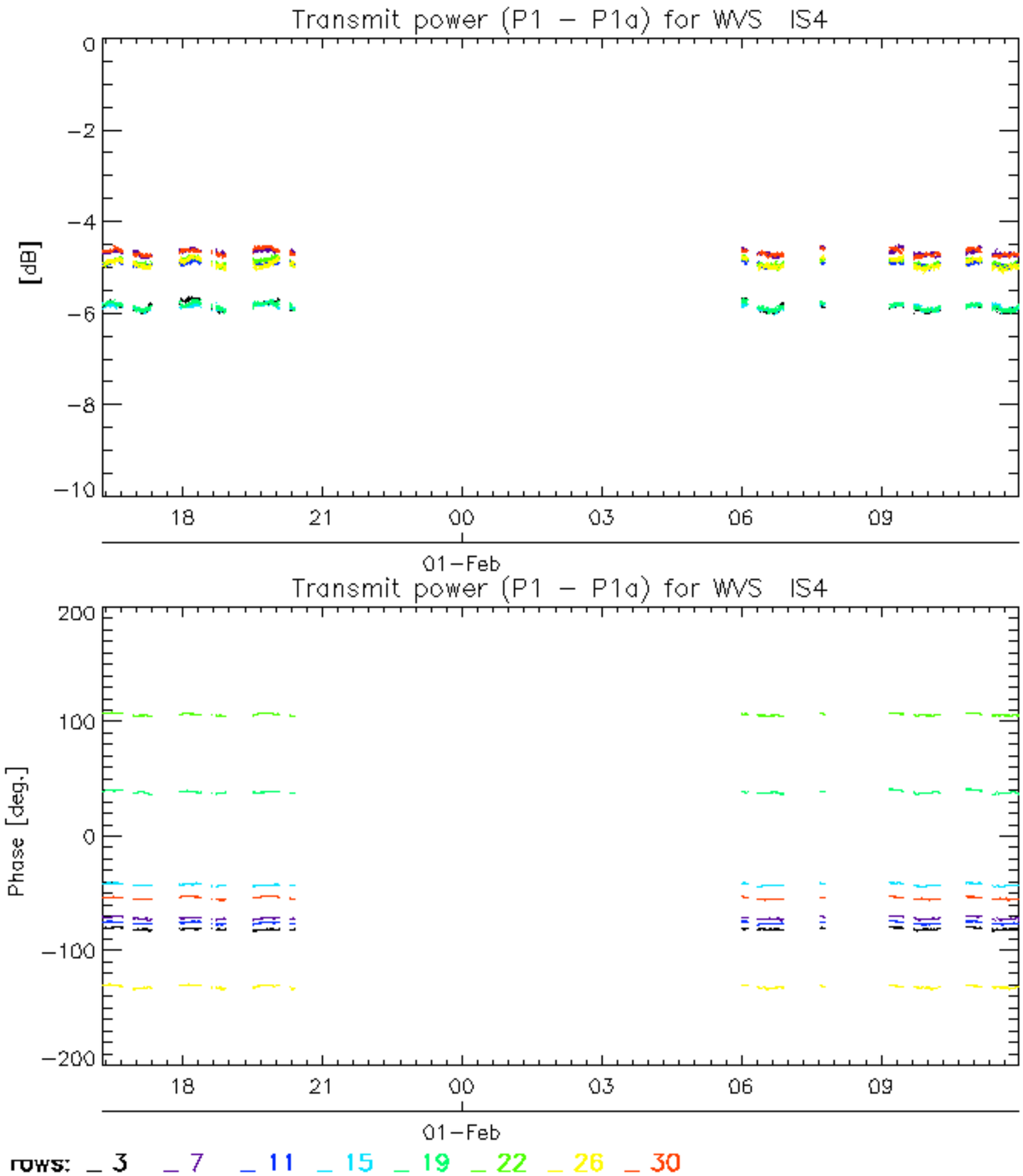

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
31
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
12
01−Feb
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
01−Feb
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
Transmit power ⟨P1 – P1a⟩ [dB]
45
40
35
30
25
20
15
28
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
01−Feb
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
01−Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.