PRELIMINARY REPORT OF 070209

last update on Fri Feb 9 16:38:00 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

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1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2007-02-08 00:00:00 to 2007-02-09 16:38:00

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	42	72	5	2	27
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	42	72	5	2	27
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	72	5	2	27
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	42	72	5	2	27

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	43	59	44	12	71
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	43	59	44	12	71
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	59	44	12	71
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	43	59	44	12	71

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	20070209 033417
H	20070208 040554

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	-15.443552	0.621948	3.738168
7	P1a	-17.370598	0.116532	-0.545571
11	P1a	-17.305595	0.356330	-0.011649
15	P1a	-12.806106	0.109897	-0.391427
19	P1a	-15.072889	0.094207	-0.160522
22	P1a	-15.456342	0.458558	-0.572750
26	P1a	-14.996839	0.220290	-0.162018
30	P1a	-17.228052	0.332458	-0.559154

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.286707	0.576600	-3.983498
7	P1	-3.099349	0.008949	-0.146909
11	P1	-4.116467	0.021429	-0.180734
15	P1	-6.311034	0.017103	-0.102341
19	P1	-3.708900	0.008534	-0.039205
22	P1	-4.670408	0.014399	-0.018048
26	P1	-3.931579	0.012751	-0.008378
30	P1	-5.914368	0.012038	-0.093286

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.169579	0.775043	-4.368713
7	P2	-21.626602	0.089276	0.021562
11	P2	-15.490999	0.105170	0.033038
15	P2	-7.014090	0.105397	-0.156575
19	P2	-9.079249	0.091766	-0.129510
22	P2	-18.093855	0.088055	-0.166224

26	P2	-16.499020	0.103984	-0.212903
30	P2	-19.341053	0.083623	-0.127584

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.205577	0.007194	-0.046369
7	P3	-8.205577	0.007194	-0.046369
11	P3	-8.205577	0.007194	-0.046369
15	P3	-8.205577	0.007194	-0.046369
19	P3	-8.205577	0.007194	-0.046369
22	P3	-8.205577	0.007194	-0.046369
26	P3	-8.205577	0.007194	-0.046369
30	P3	-8.205577	0.007194	-0.046369

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	-11.496928	0.147226	1.934284
7	P1a	-10.024456	0.051537	-0.076539
11	P1a	-10.540086	0.062882	-0.433852
15	P1a	-10.836931	0.134835	-0.124756
19	P1a	-15.745636	0.062688	0.008677
22	P1a	-20.930777	1.338297	0.509778
26	P1a	-15.476953	0.258476	0.253412
30	P1a	-18.325724	0.366485	-0.136725

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.696078	3.844425	-12.043652
7	P1	-2.440632	0.006026	-0.001686

11	P1	-2.866673	0.017426	-0.154162
15	P1	-3.782218	0.033490	-0.119548
19	P1	-3.549903	0.013553	-0.019664
22	P1	-5.023404	0.024061	-0.003901
26	P1	-6.000956	0.022011	-0.016790
30	P1	-5.290783	0.023269	-0.005543

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.913301	0.776306	-5.081237
7	P2	-22.029839	0.047717	0.056826
11	P2	-10.690032	0.030066	0.080001
15	P2	-4.841740	0.026231	0.008479
19	P2	-6.840503	0.026583	0.025320
22	P2	-8.149419	0.029196	0.020085
26	P2	-24.254360	0.031187	0.017099
30	P2	-21.798336	0.033852	0.026274

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.054996	0.002540	0.011694
7	P3	-8.054907	0.002542	0.010474
11	P3	-8.054931	0.002530	0.011592
15	P3	-8.054935	0.002522	0.011547
19	P3	-8.054905	0.002530	0.011200
22	P3	-8.054979	0.002526	0.012008
26	P3	-8.054833	0.002530	0.012295
30	P3	-8.054935	0.002536	0.011367

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	0.000680162
	stdev	2.80497e-07
MEAN Q	mean	0.000282839
	stdev	2.46465e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0728606
	stdev	0.00181369
STDEV Q	mean	0.0725453
	stdev	0.00184901

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007020[789]
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_1PNPDE20070208_015344_000001402055_00232_25837_9161.N1	7	101
ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_0947.N1	15	1731

ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_0987.N1	15	1731
ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_1132.N1	15	1731
ASA_IMM_1PNPDE20070209_044842_000000212055_00248_25853_0817.N1	15	1557
ASA_GM1_1PNPDK20070208_131157_000009672055_00239_25844_8717.N1	0	30
ASA_WSM_1PNPDE20070208_012926_000000862055_00232_25837_9154.N1	17	4430
ASA_WSM_1PNPDE20070208_013746_000001222055_00232_25837_9217.N1	0	56
ASA_WSM_1PNPDE20070208_013853_000000552055_00232_25837_9136.N1	0	44
ASA_WSM_1PNPDE20070208_022638_000000672055_00232_25837_9174.N1	40	13228
ASA_WSM_1PNPDE20070208_022638_000000672055_00232_25837_9789.N1	40	13228
ASA_WSM_1PNPDE20070208_022846_000001162055_00232_25837_9196.N1	8	1599
ASA_WSM_1PNPDE20070208_022846_000001162055_00232_25837_9825.N1	8	1599
ASA_WSM_1PNPDE20070209_052422_000002262055_00248_25853_1134.N1	3	480
ASA_WSM_1PNPDE20070209_065803_000001832055_00249_25854_1157.N1	0	69
ASA_WSM_1PNPDE20070209_070208_000000782055_00249_25854_1158.N1	11	1663
ASA_WSM_1PNPDK20070208_094718_000000852055_00237_25842_8500.N1	0	32
ASA_APM_1PNPDE20070207_153229_000000682055_00226_25831_8504.N1	0	81

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

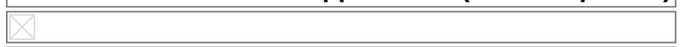
Descending

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)

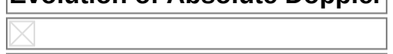


Acsending

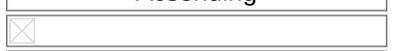
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



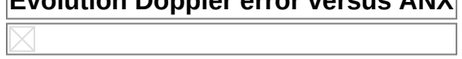
Acsending

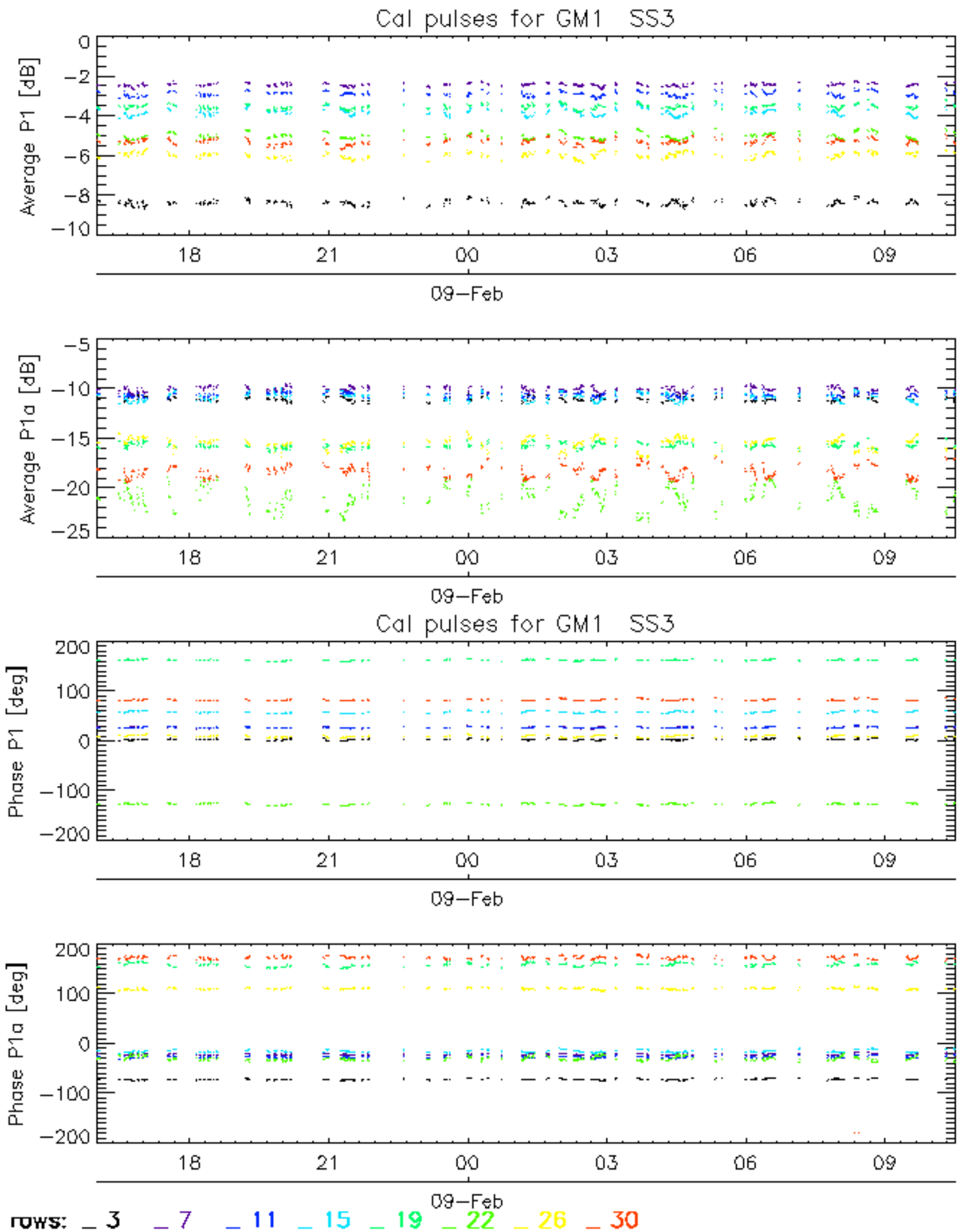


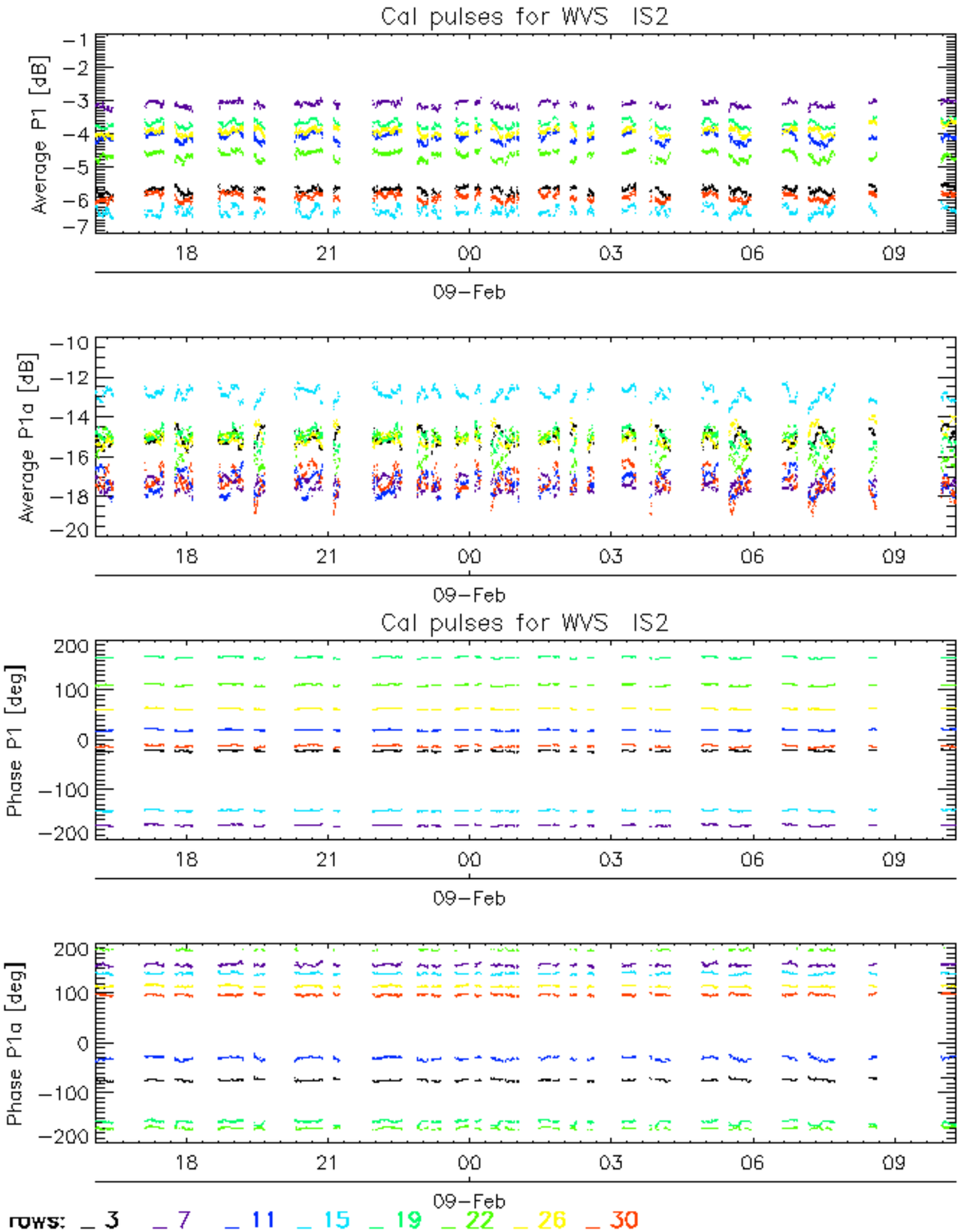
Descending

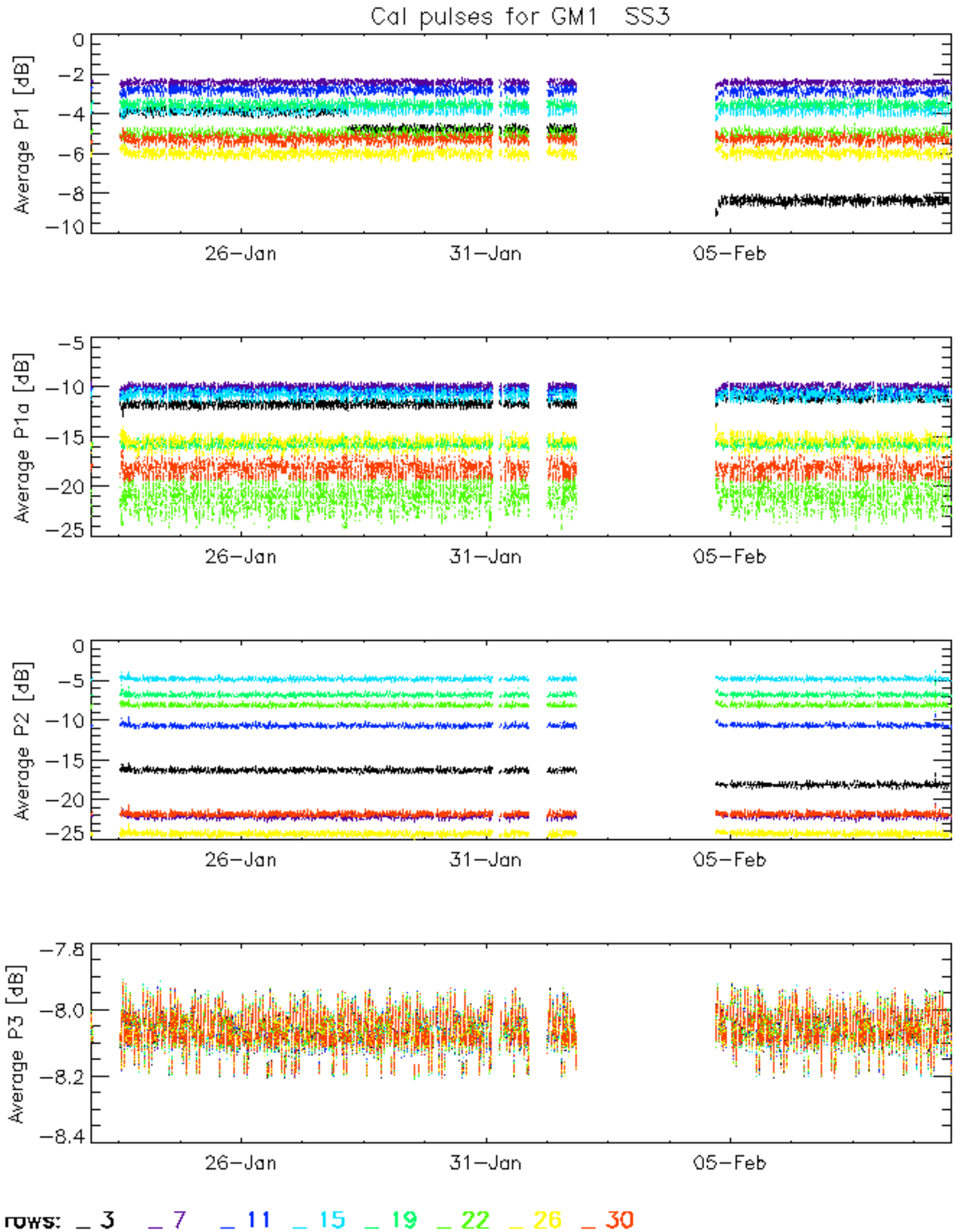
7.6 - Doppler evolution versus ANX for GM1

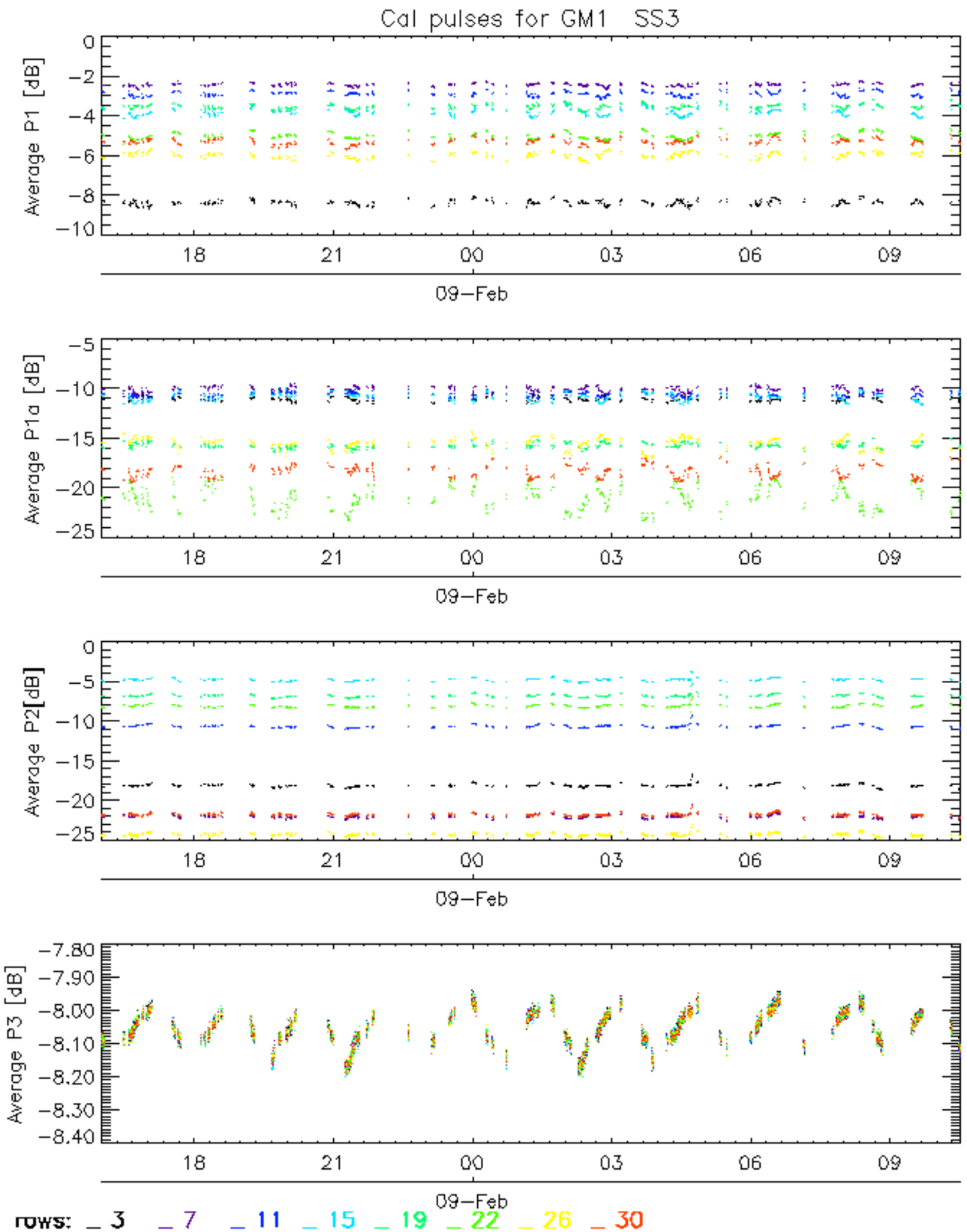
Evolution Doppler error versus ANX

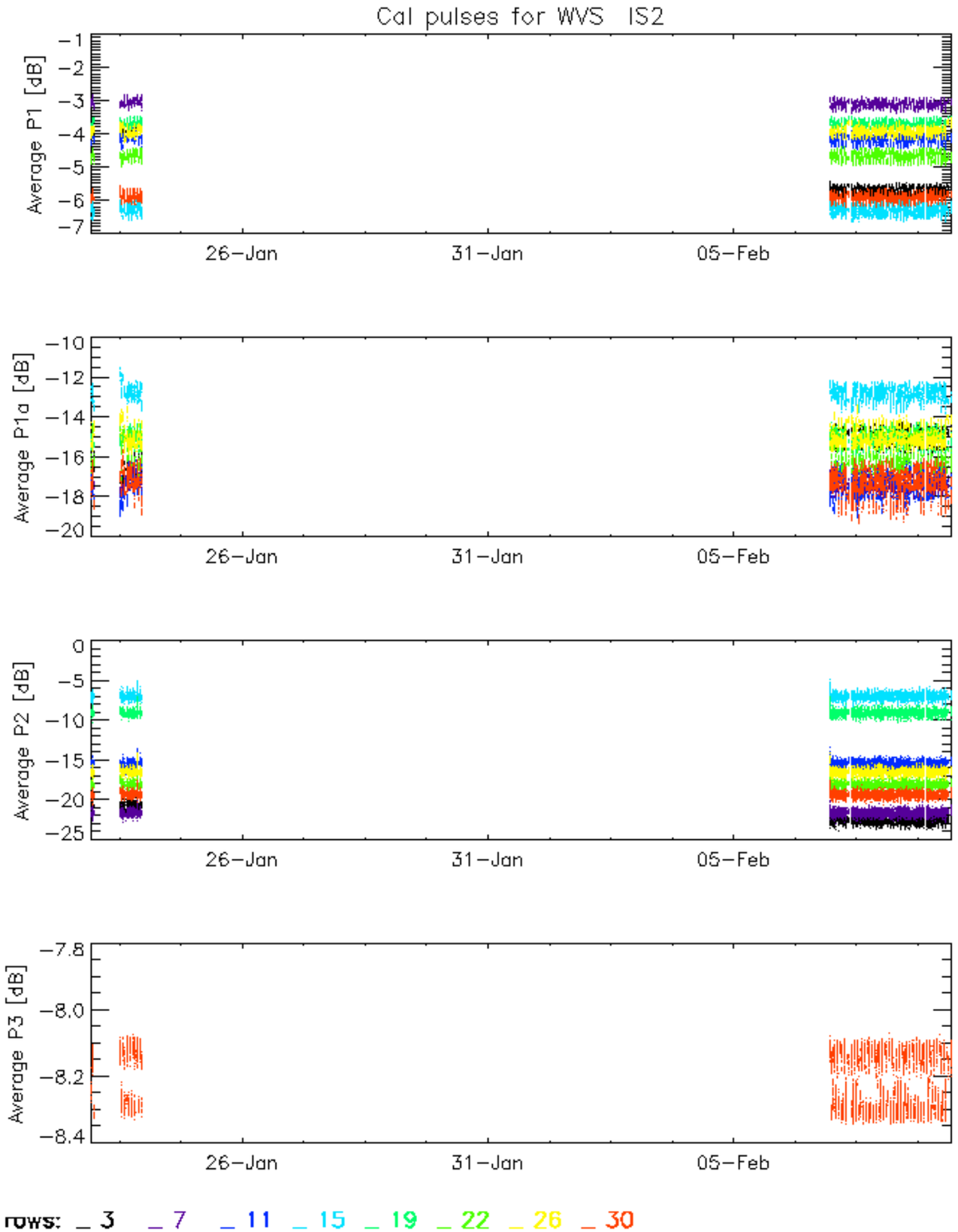


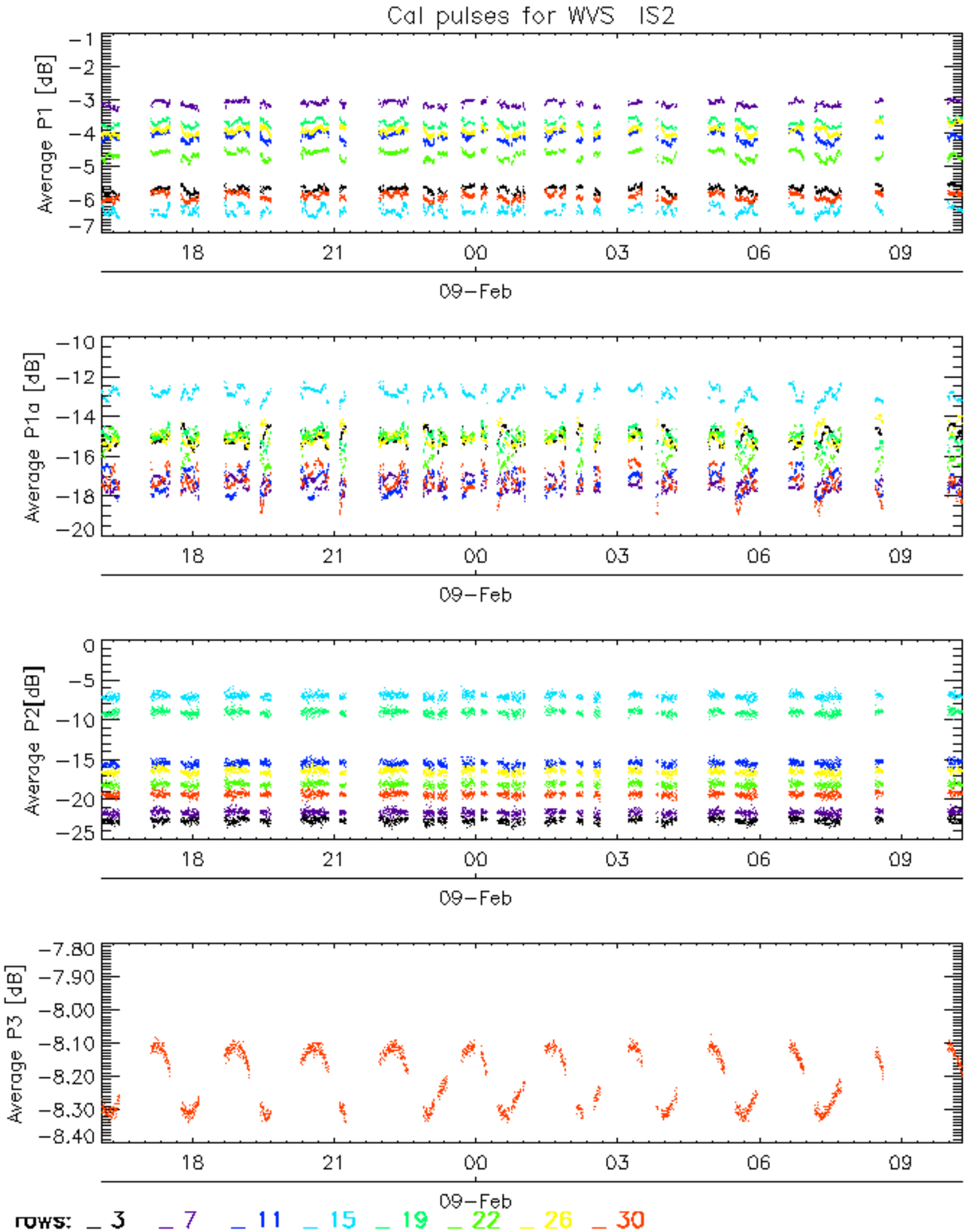

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
09−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
09−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
09−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
09−Feb
rows: _ 3 _ 7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

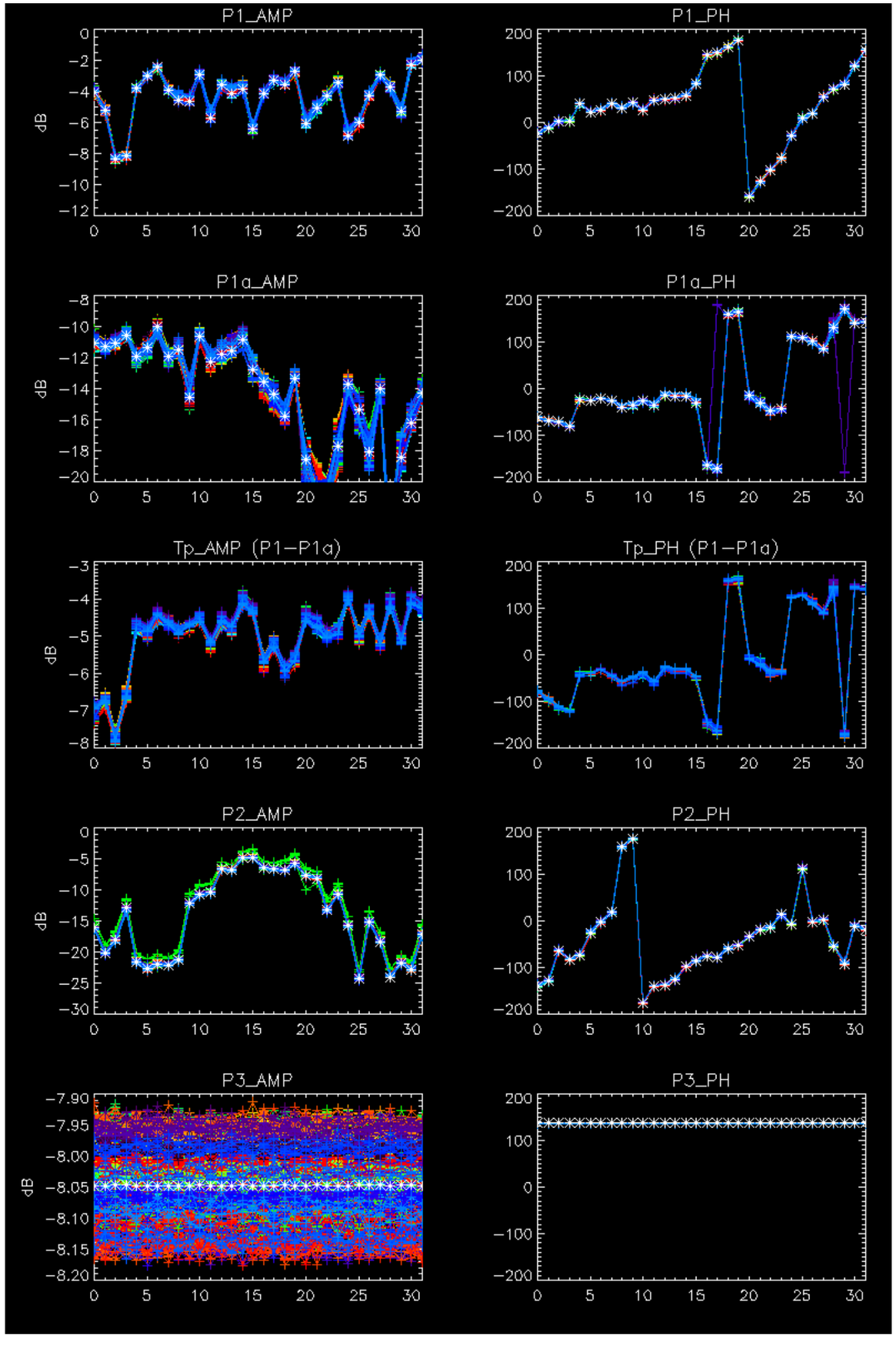

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

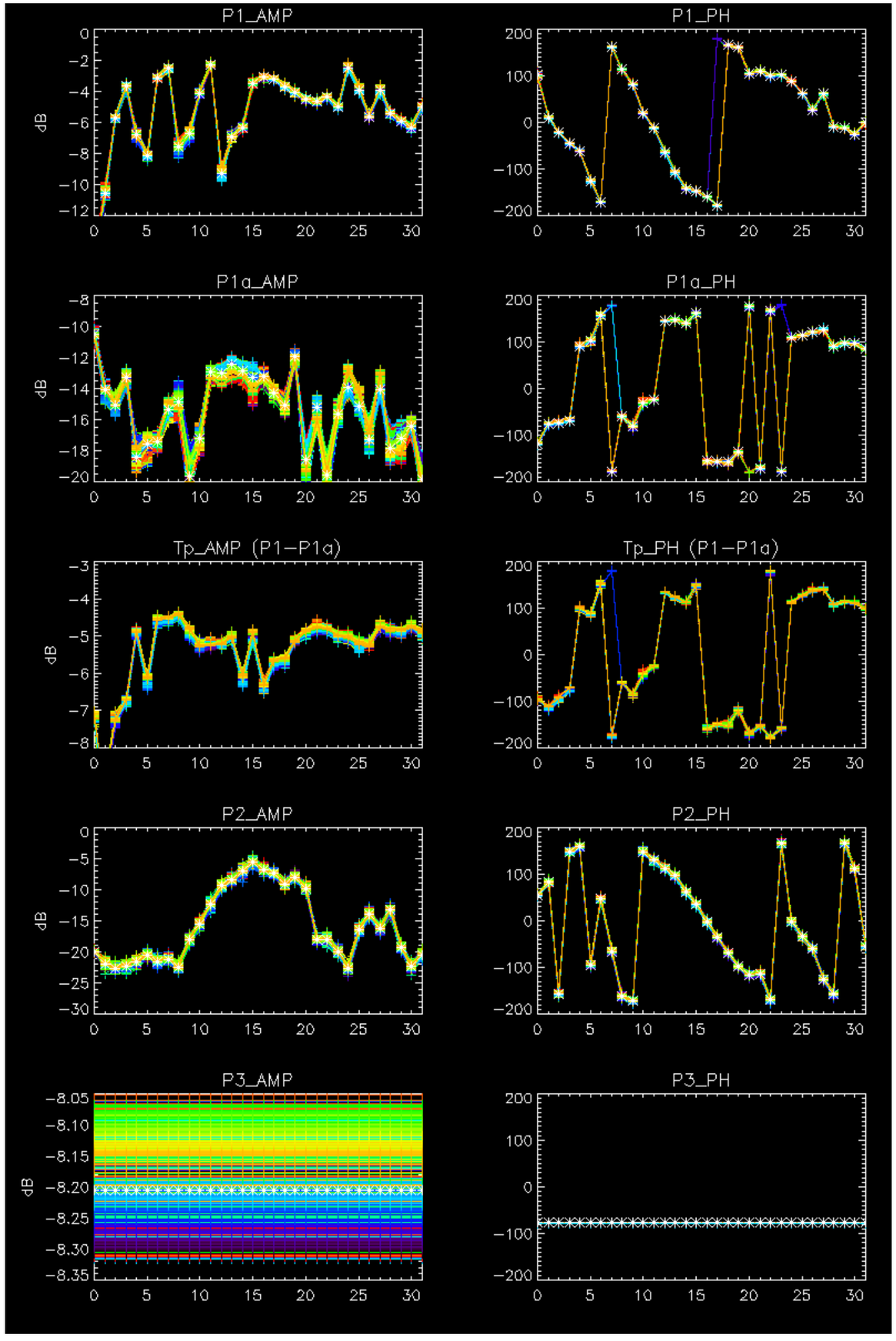

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
09−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
09−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
09−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
09−Feb
rows: _ 3 _ 7 _ 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
Average P1a [dB]
−10
−12
−14
−16
−18
−20
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−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
09−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
09−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
09−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
09−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

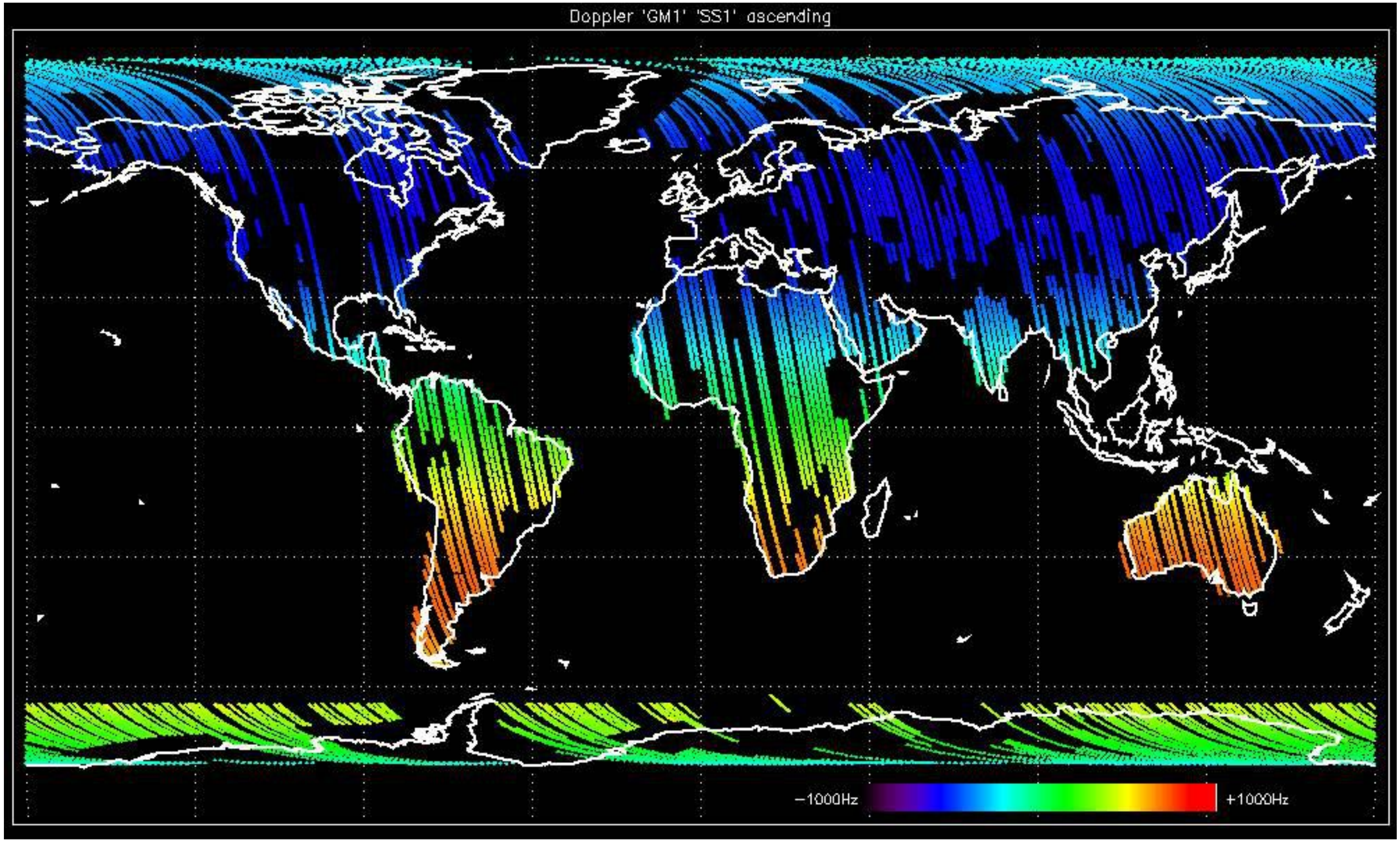
No anomalies observed.

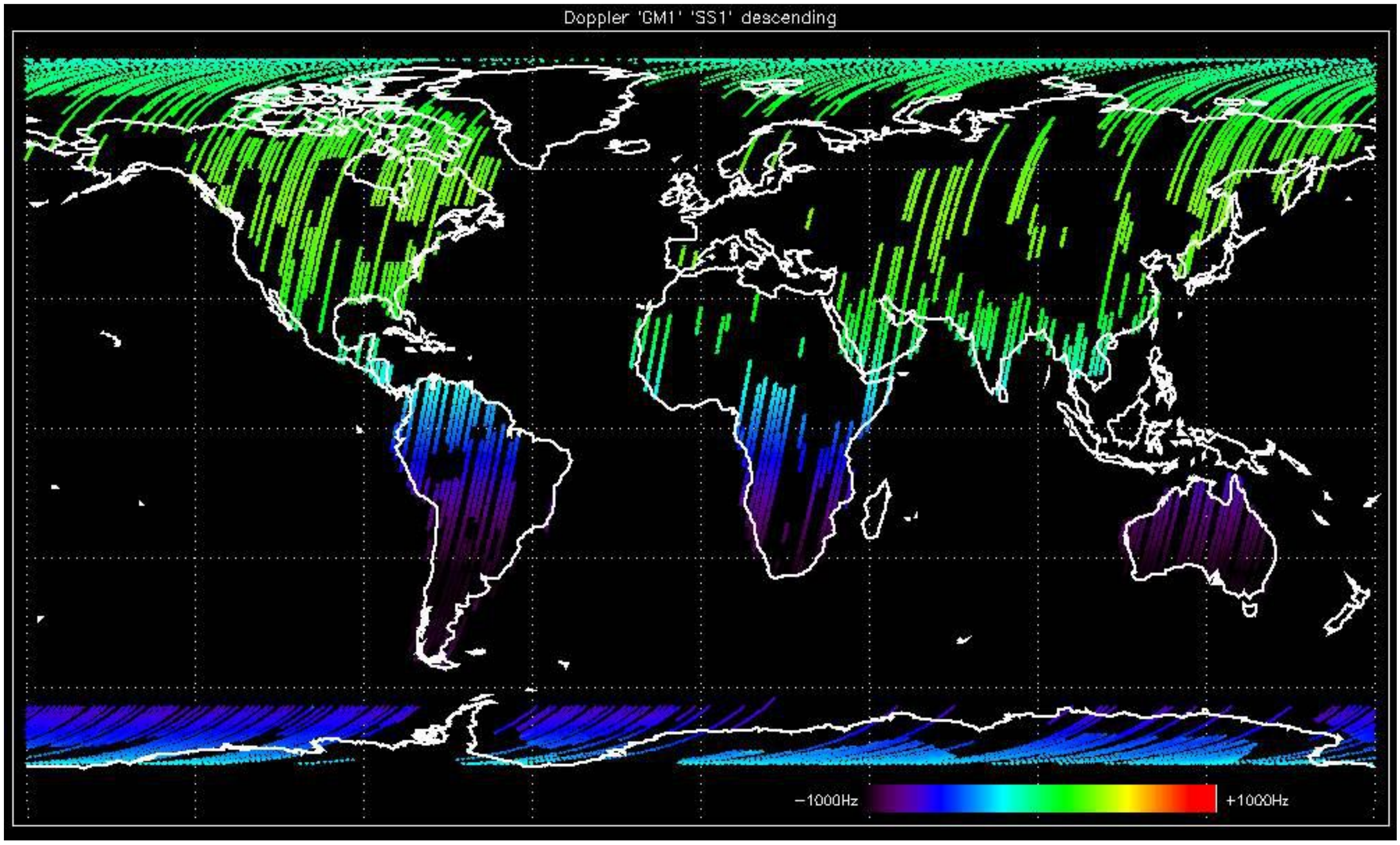

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

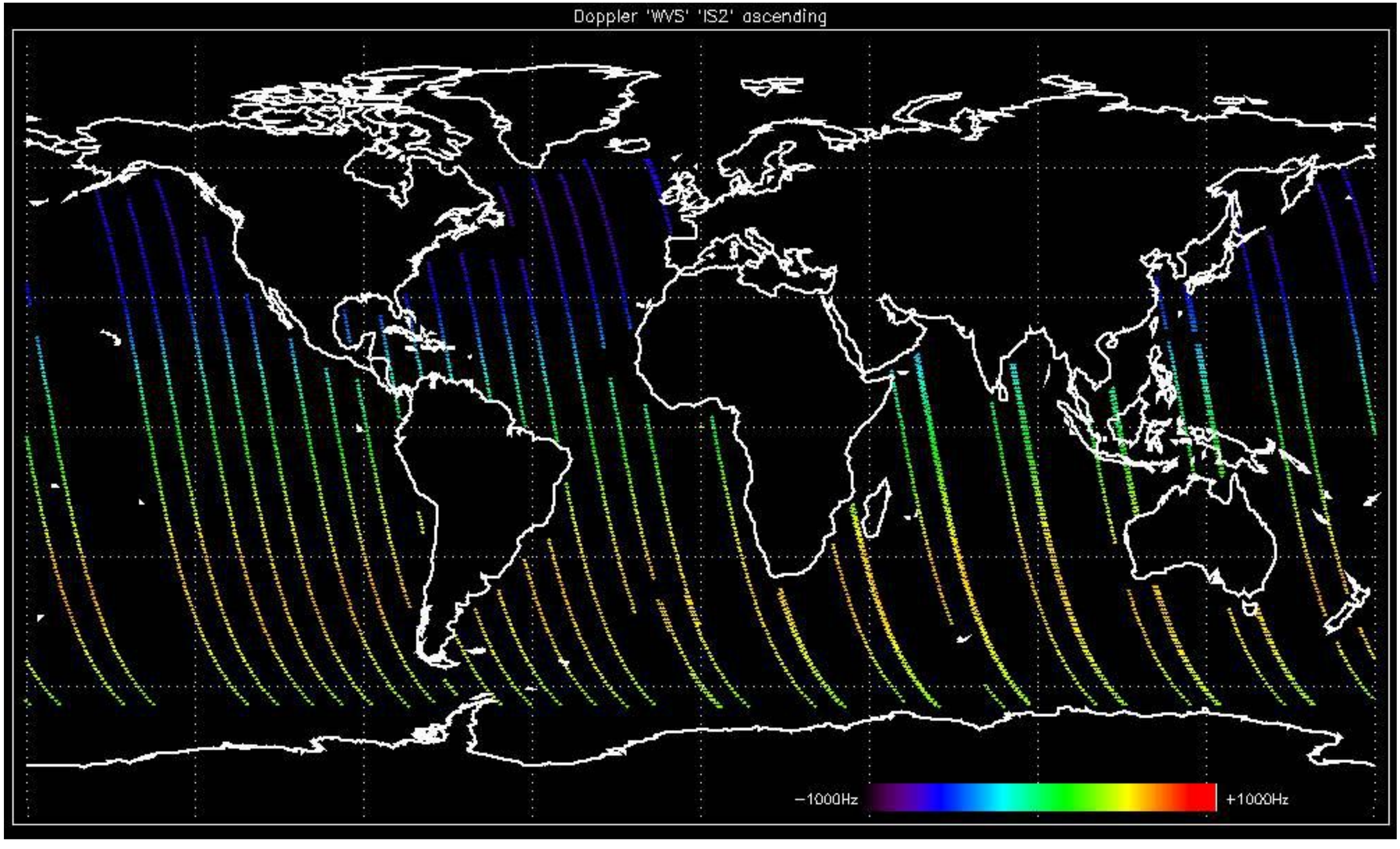

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

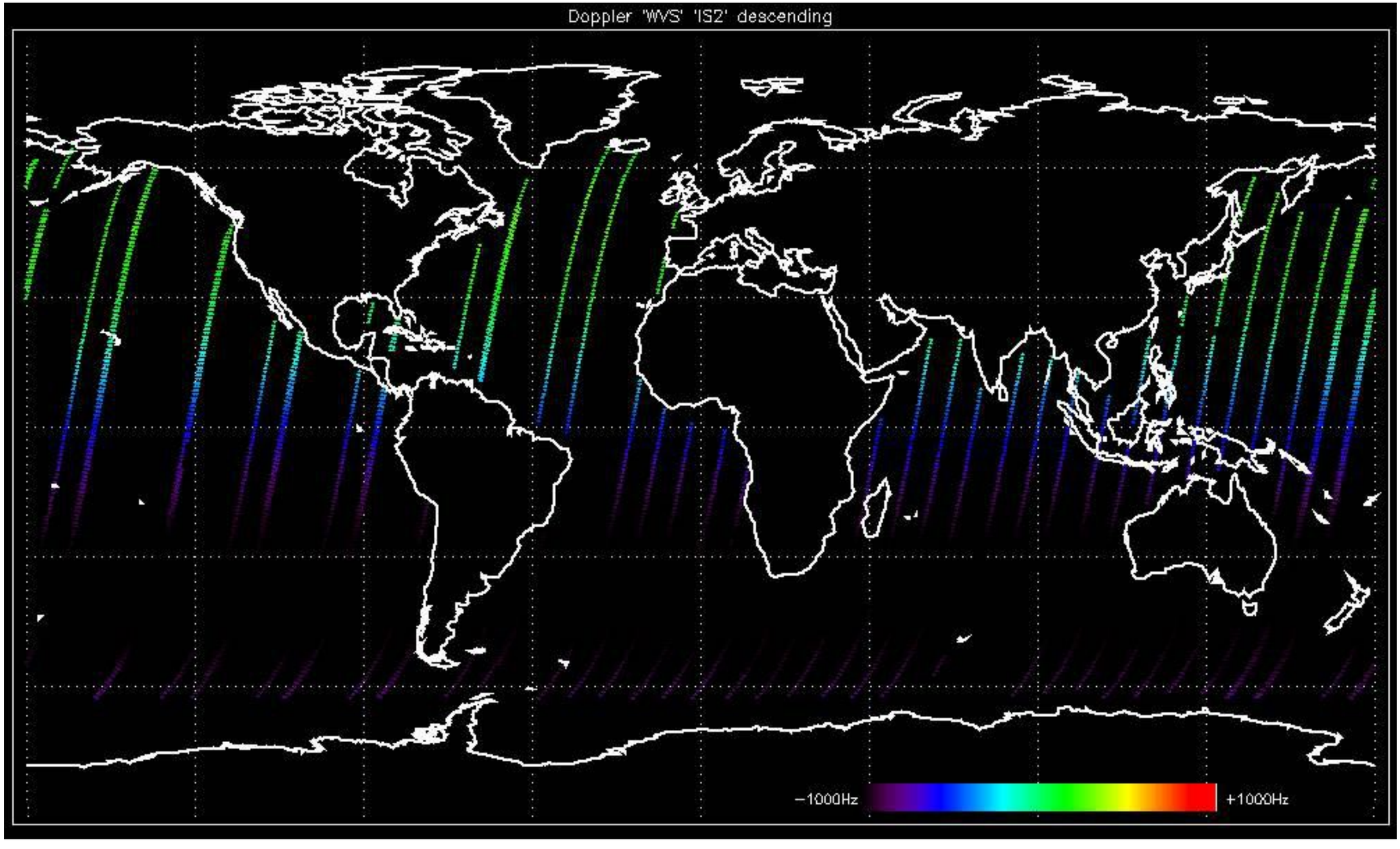
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

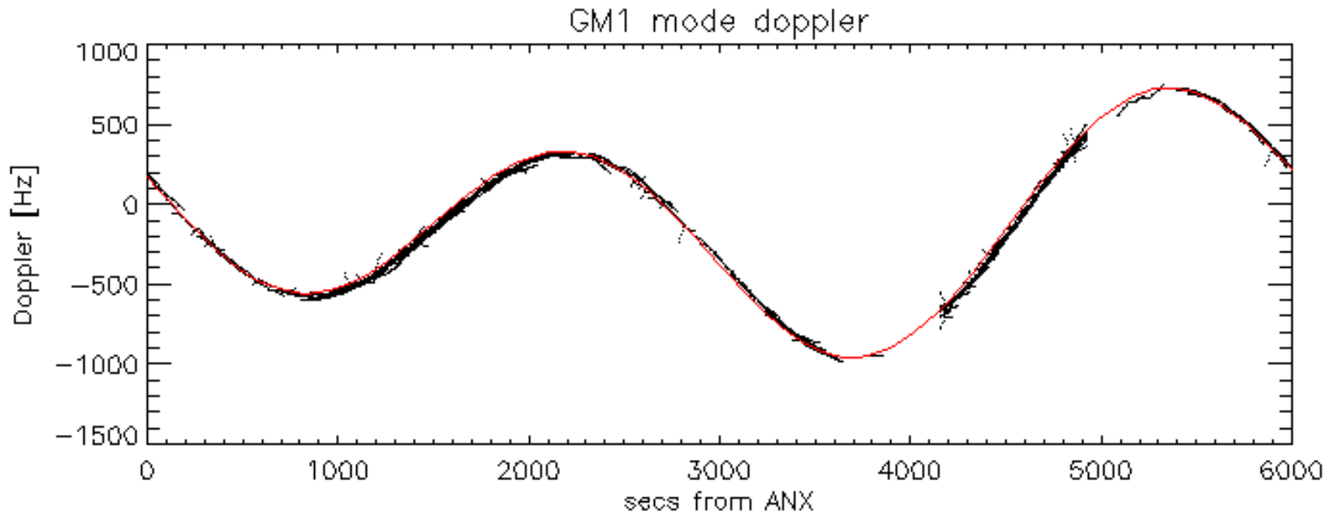
Preliminary report.The data is not yet controled

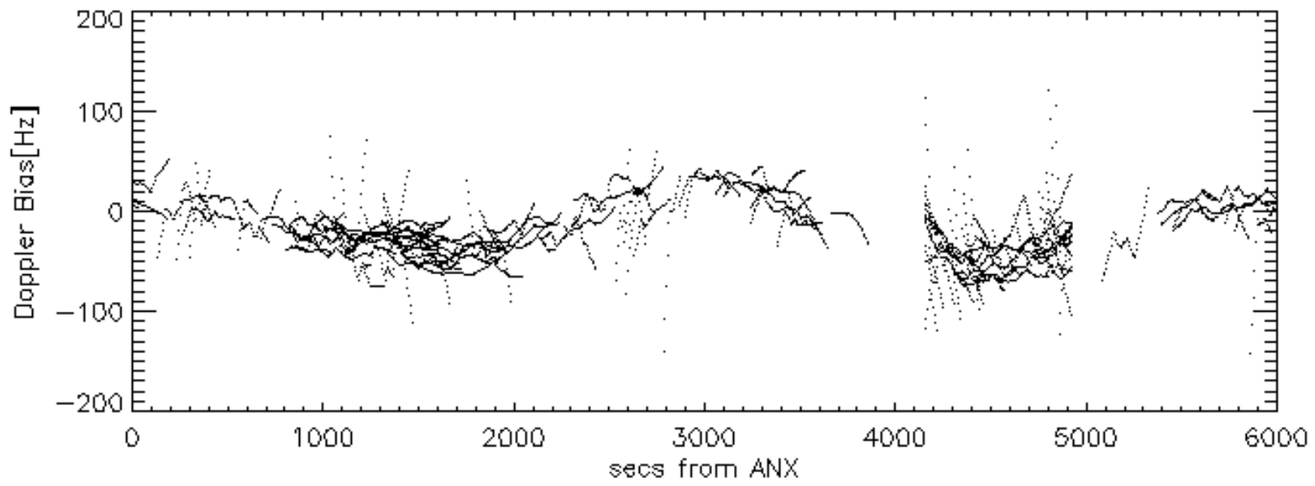

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

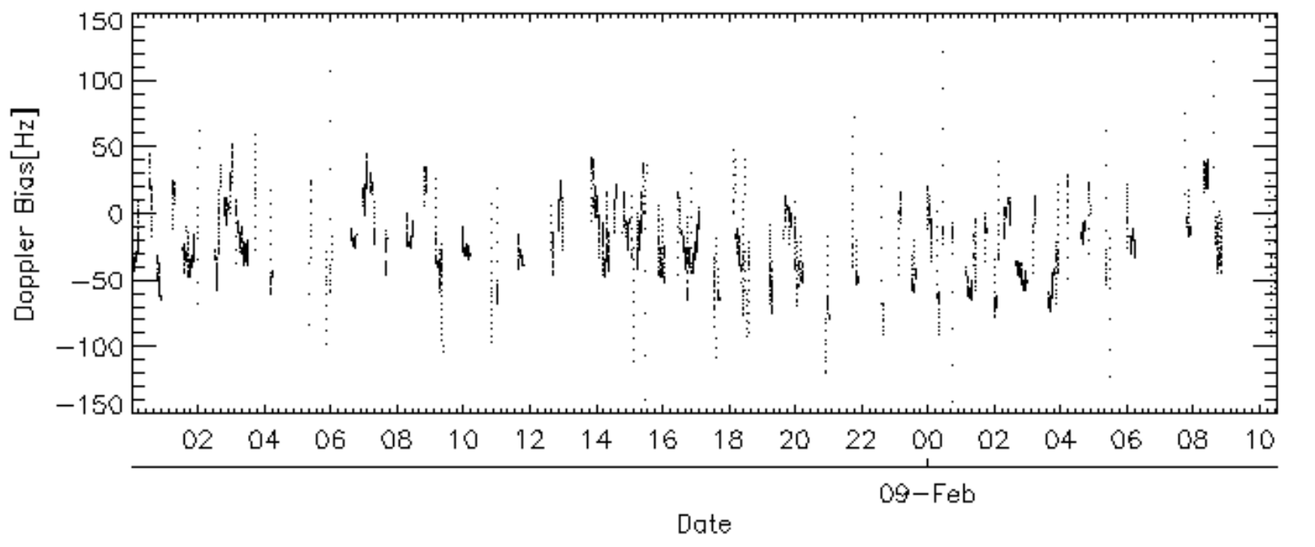

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

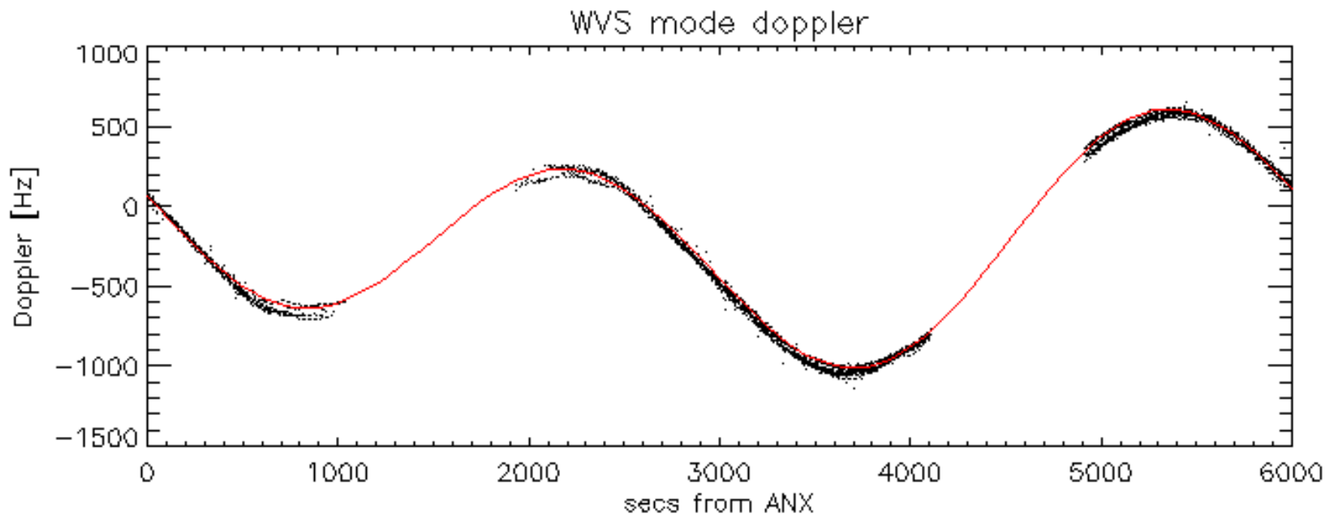

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

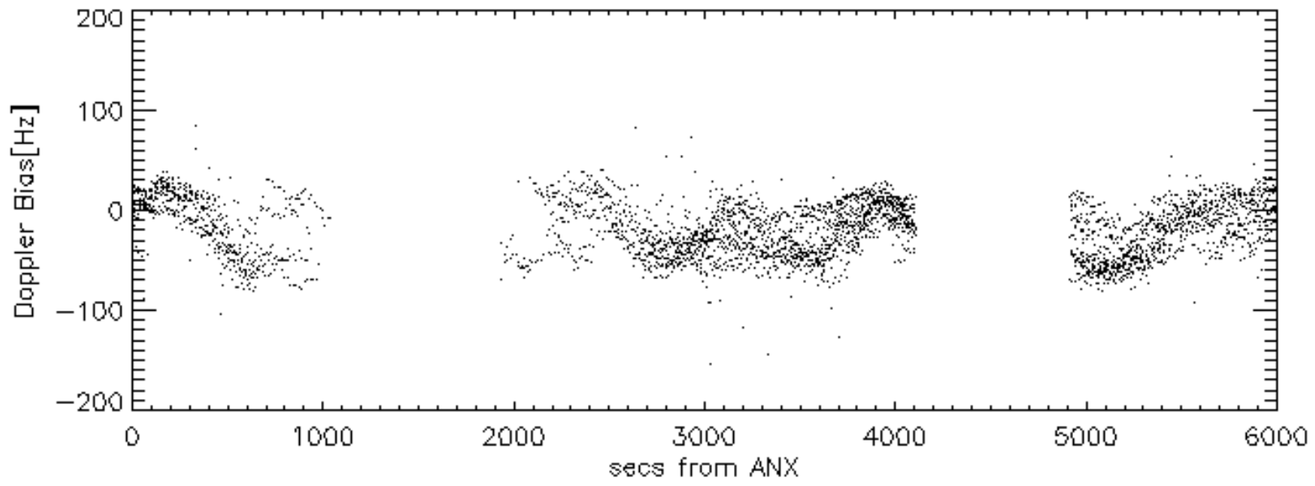

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

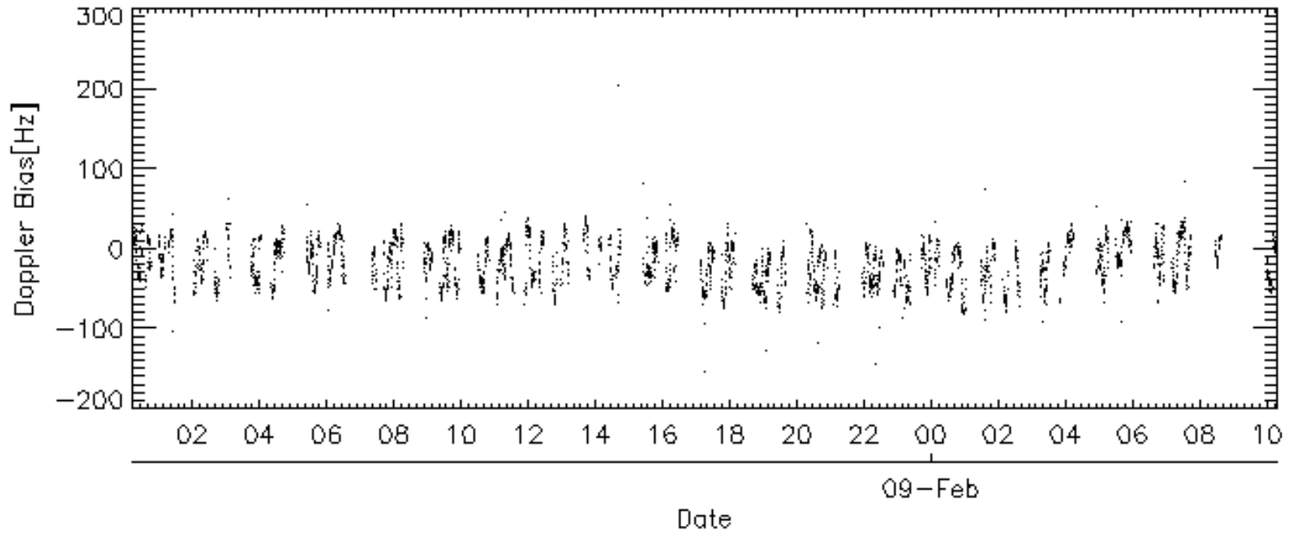

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

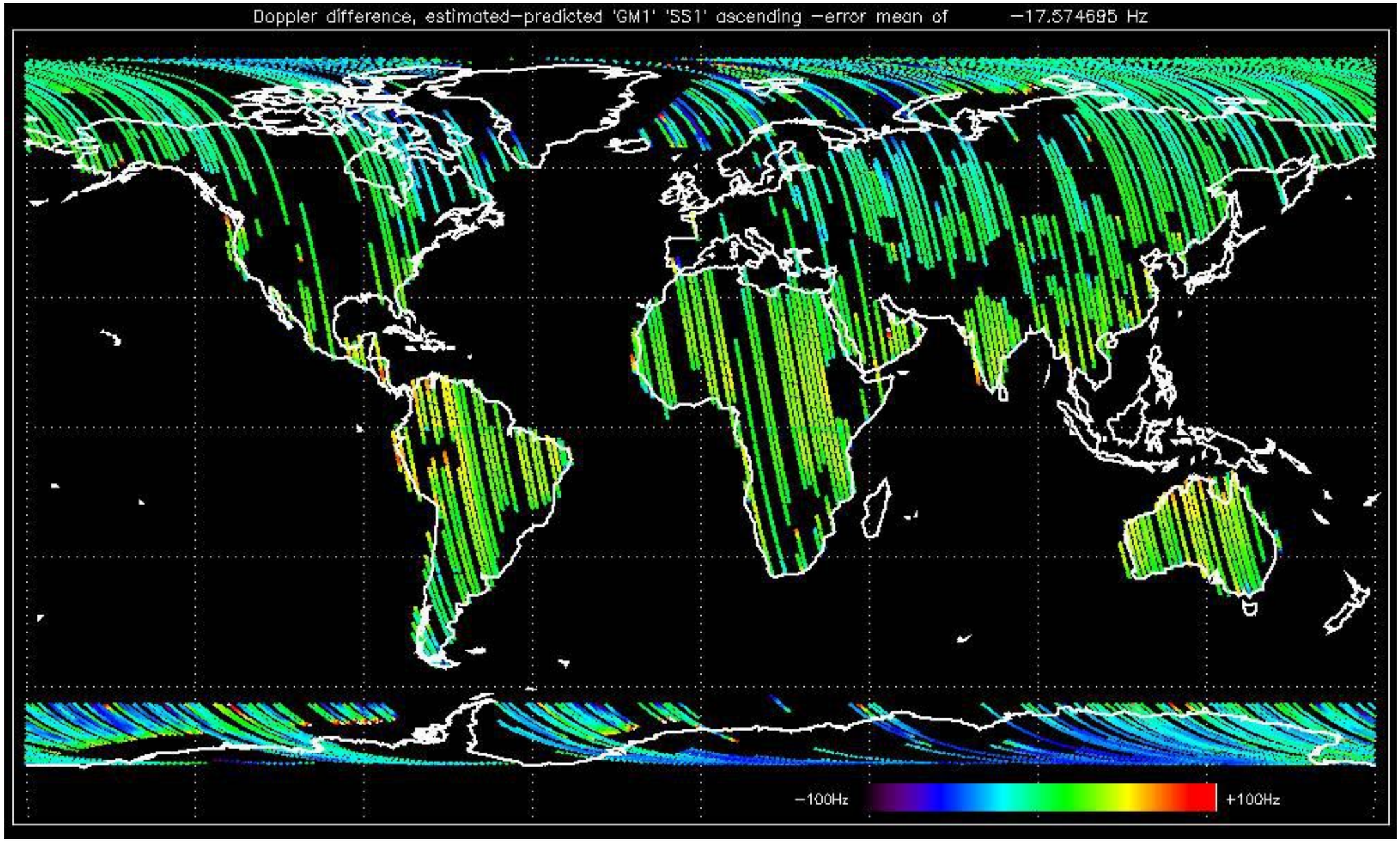

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

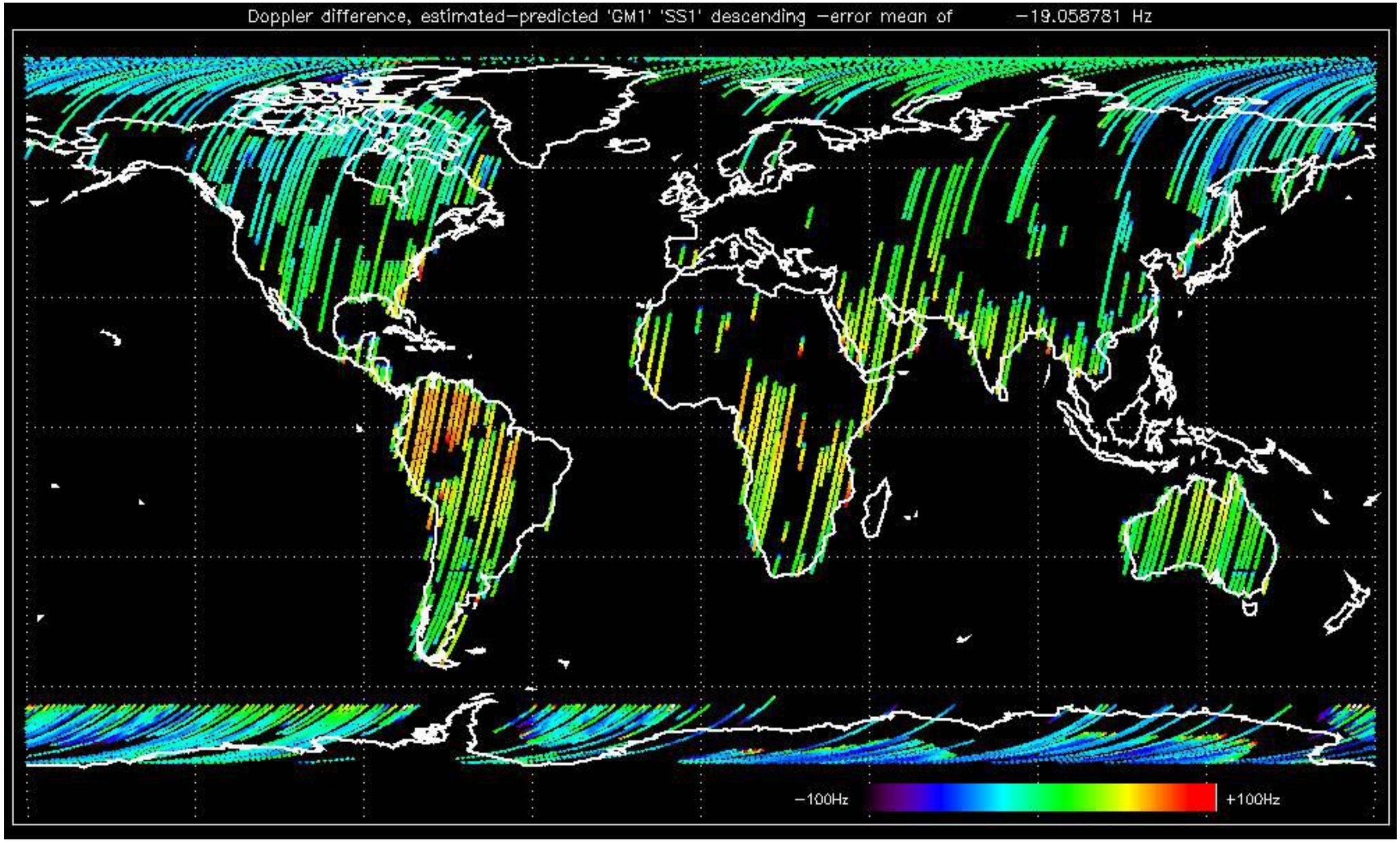

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
09−Feb
Date

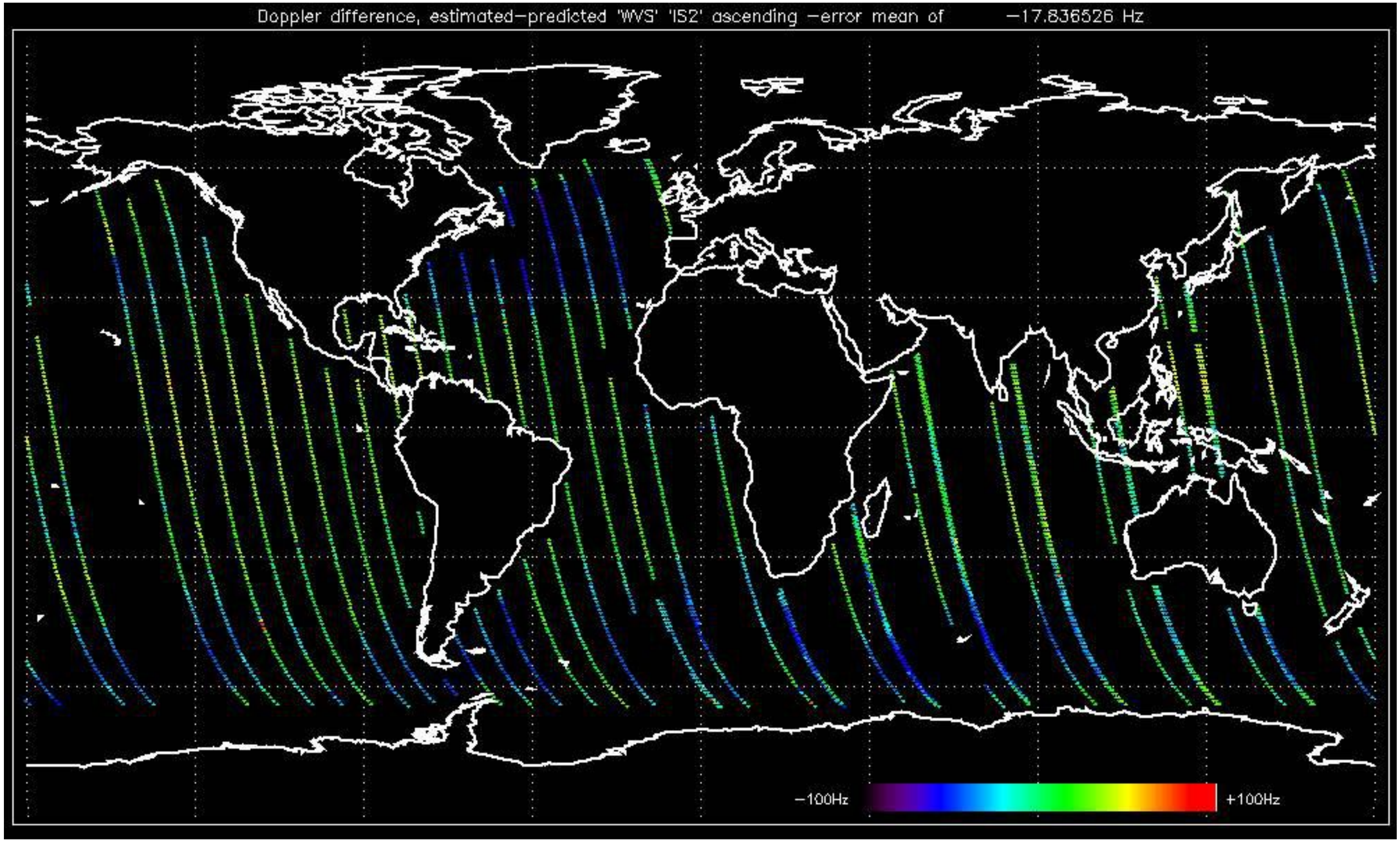

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

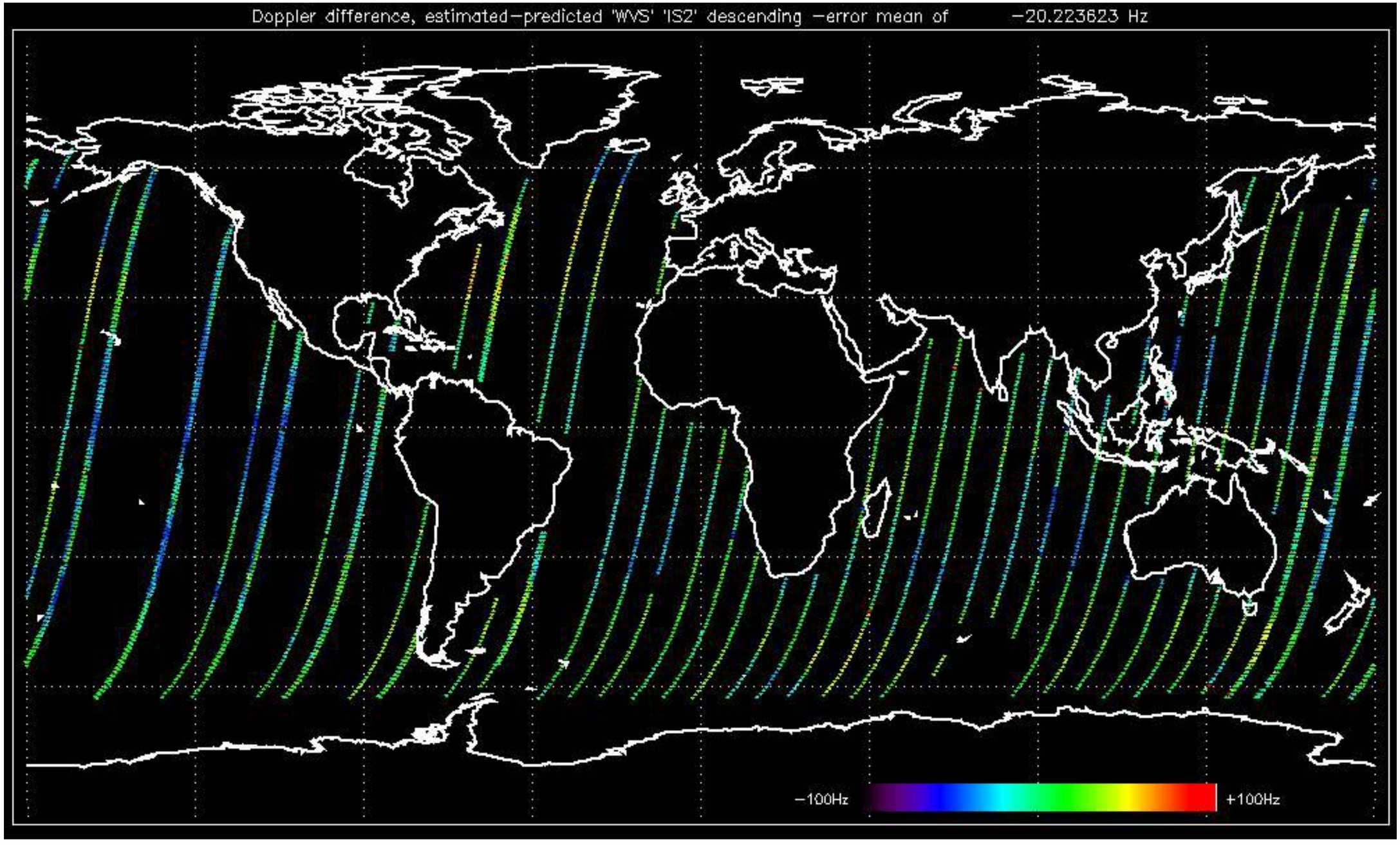

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.574695 Hz
−100Hz
+100Hz

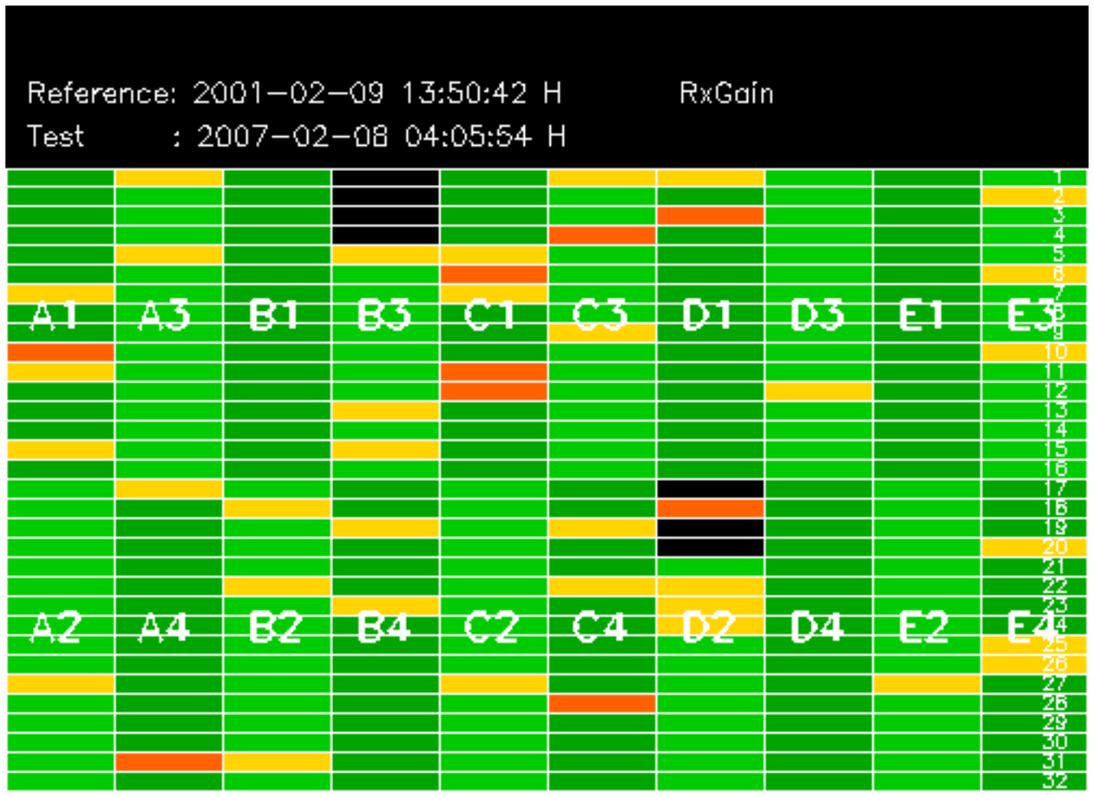

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −19.058781 Hz
−100Hz
+100Hz

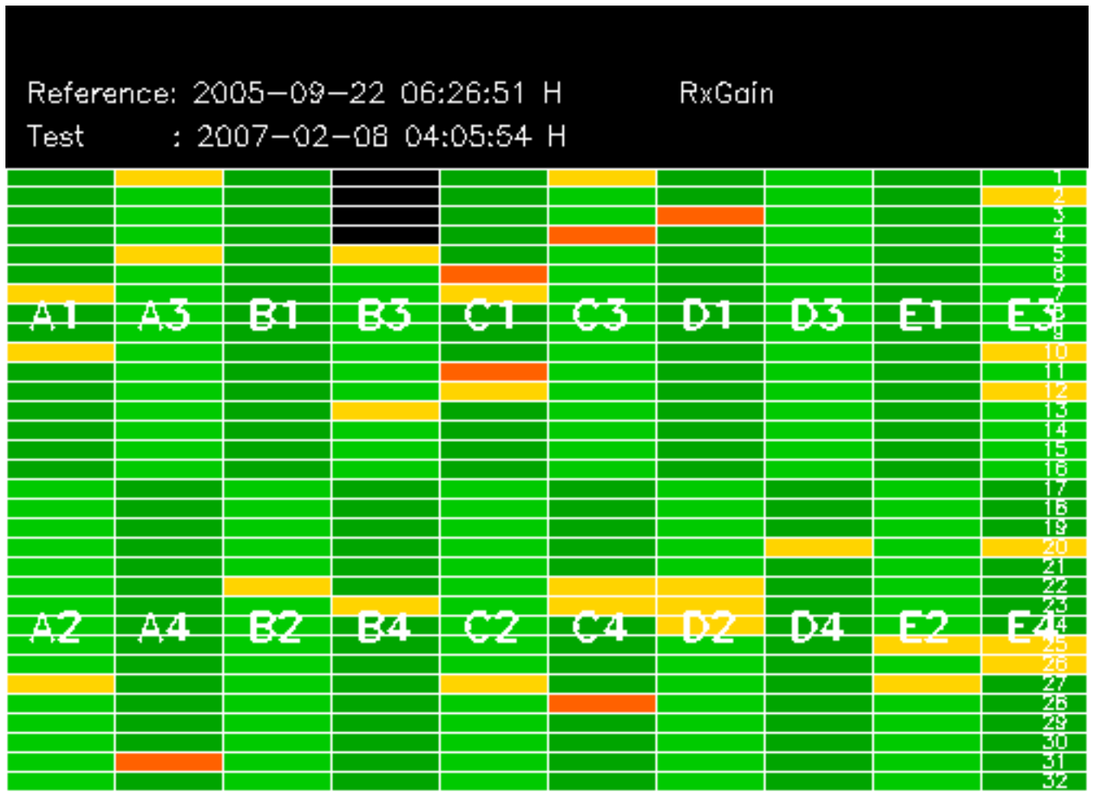

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −17.836526 Hz
−100Hz
+100Hz

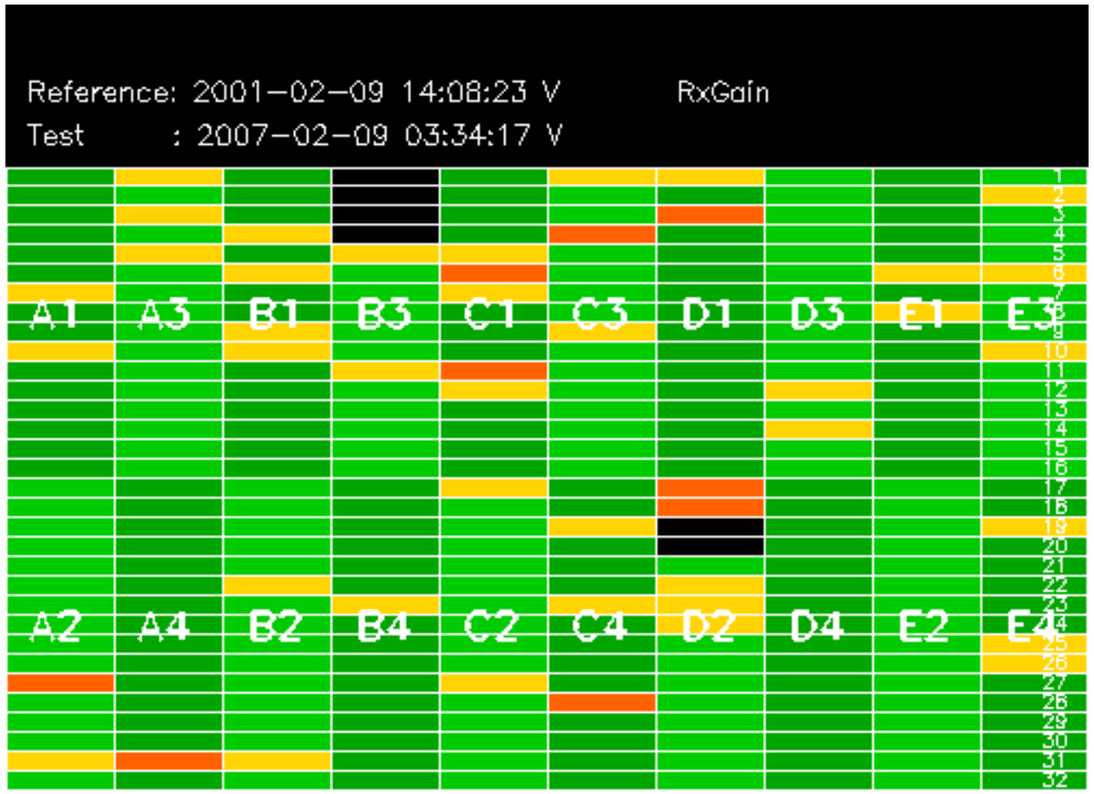

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −20.223623 Hz
−100Hz
+100Hz

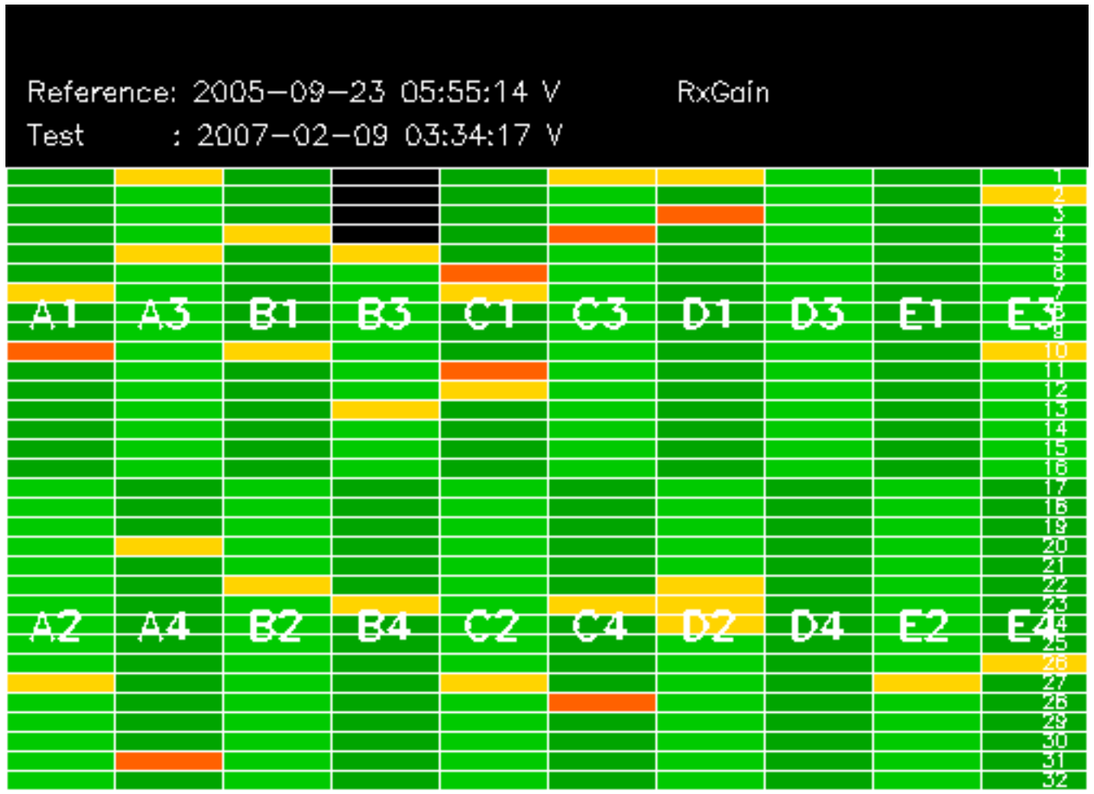
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-08 04:05:54 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 : 2007-02-08 04:05:54 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 : 2007-02-09 03:34:17 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 : 2007-02-09 03:34:17 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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9
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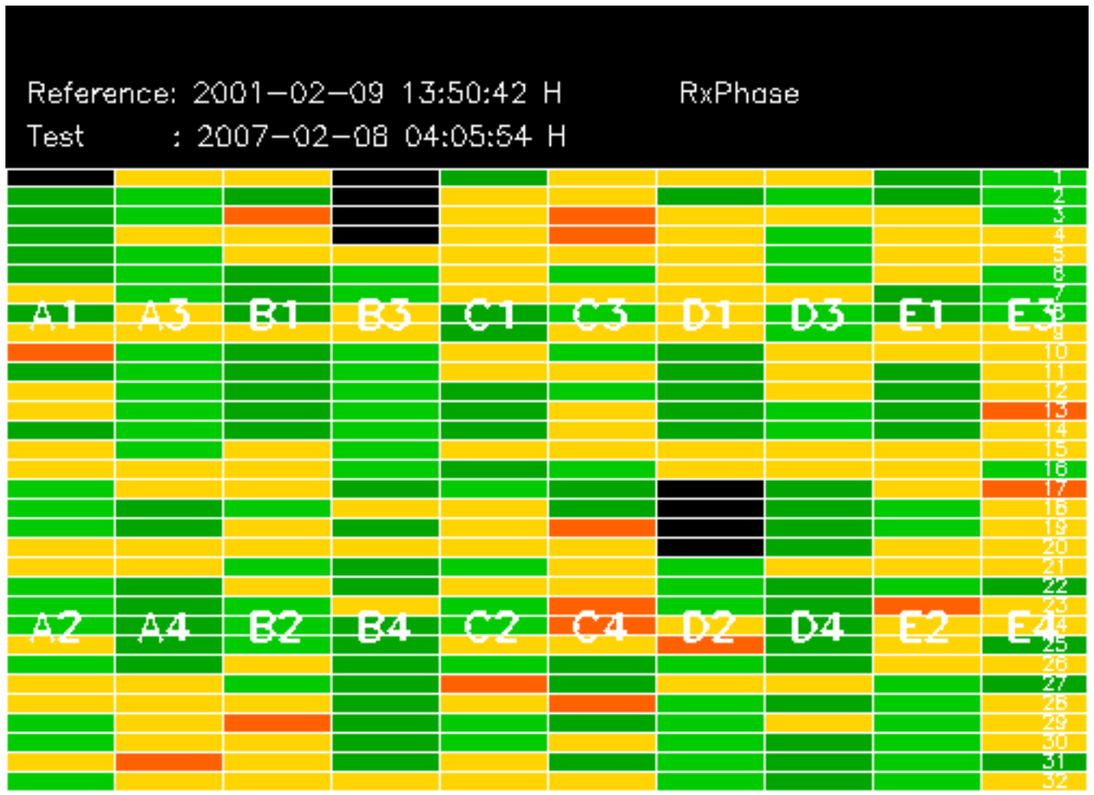
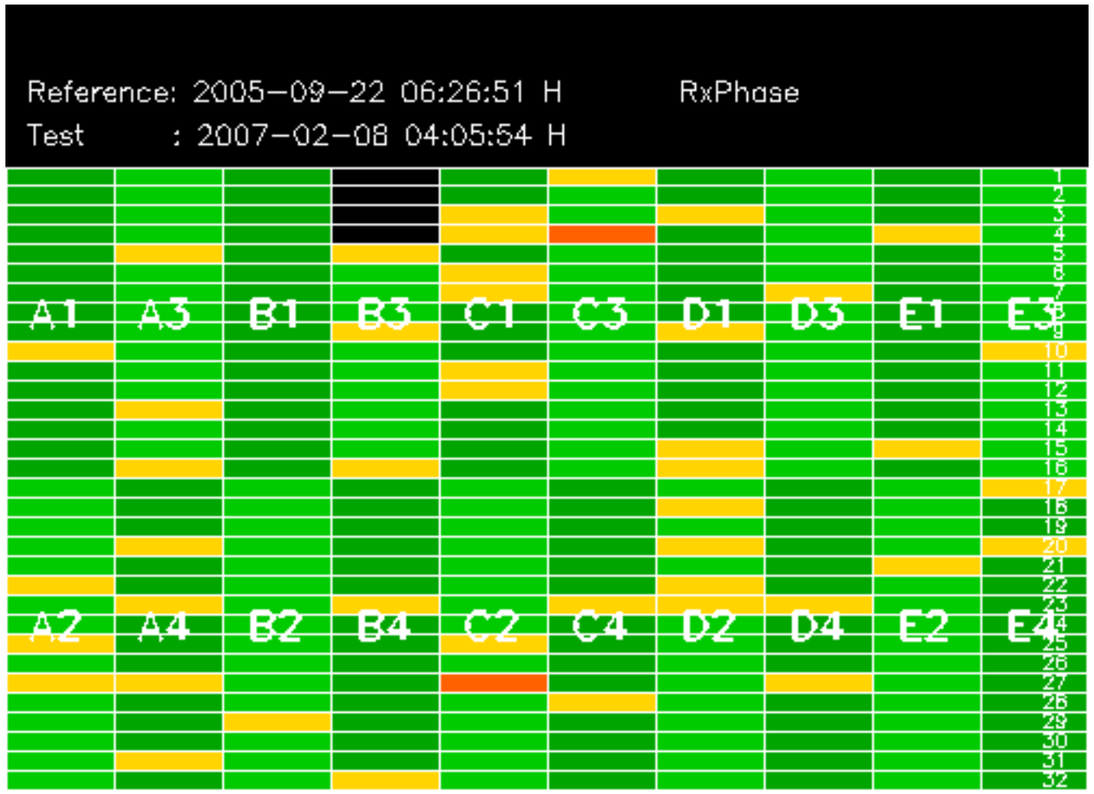

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-08 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-02-08 04:05:54 H
RxPhase
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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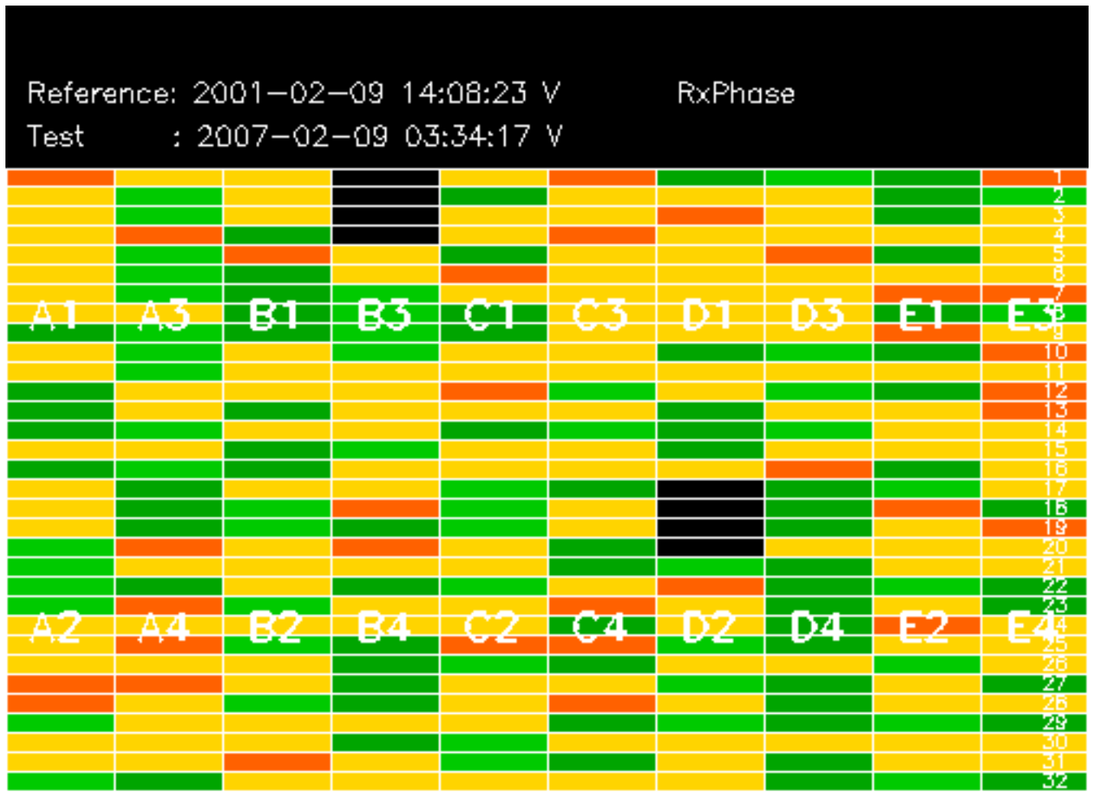
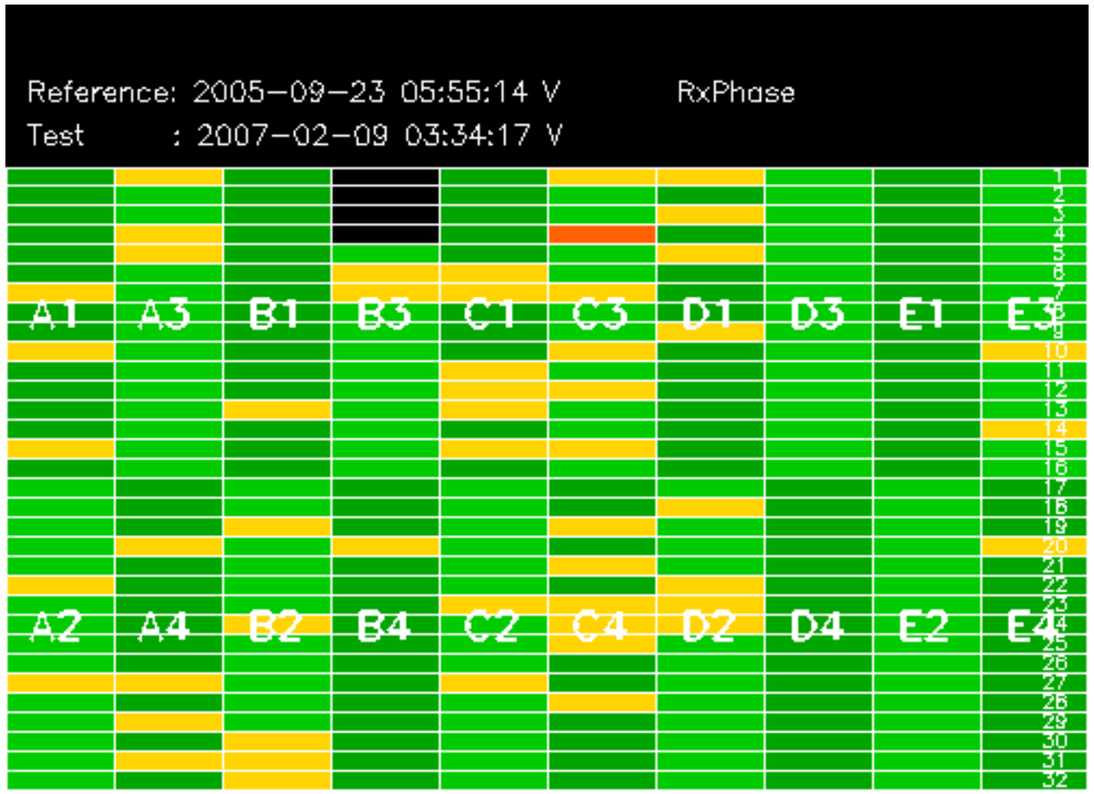

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-09 03:34:17 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-09 03:34:17 V
RxPhase
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
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8
9
10
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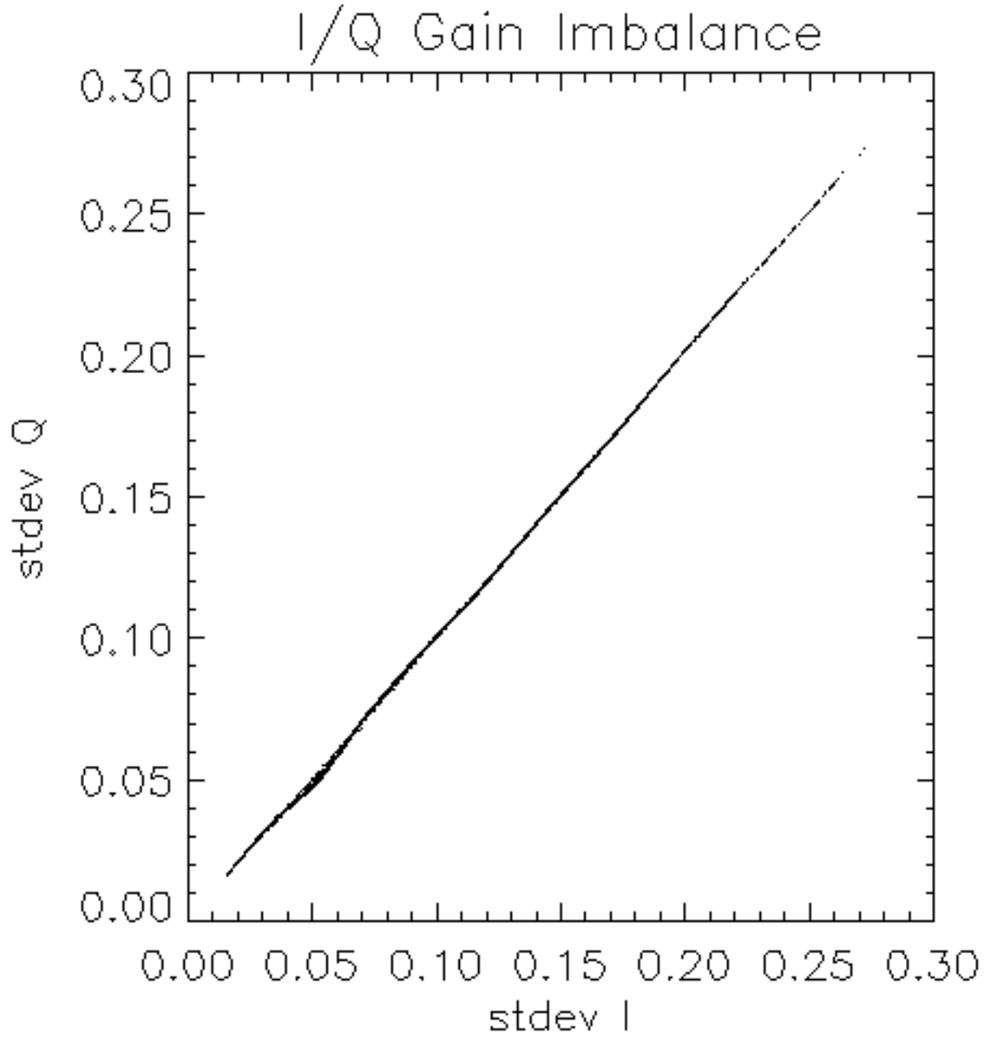
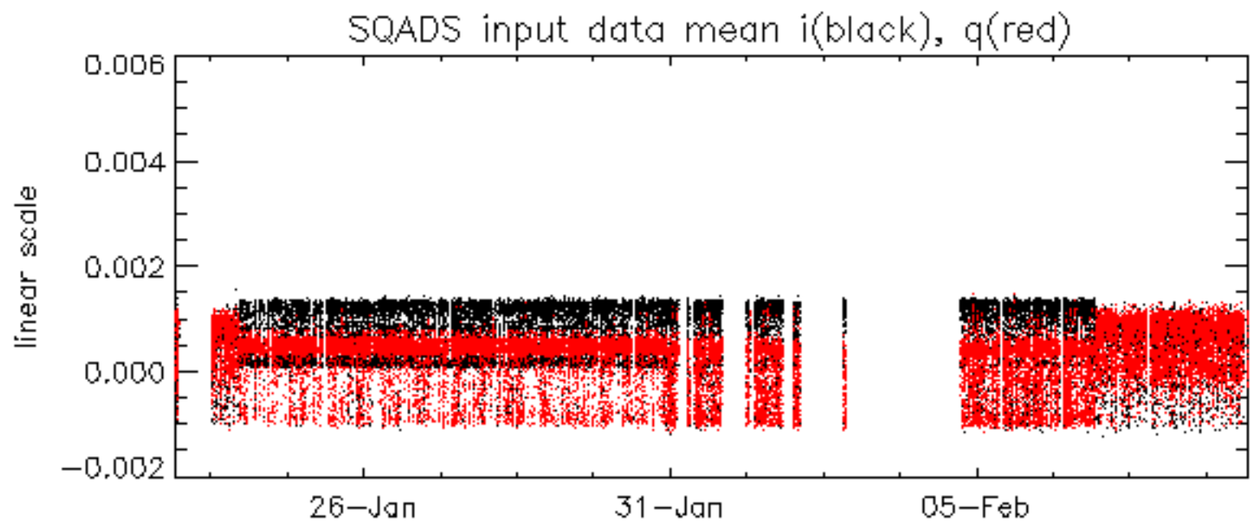
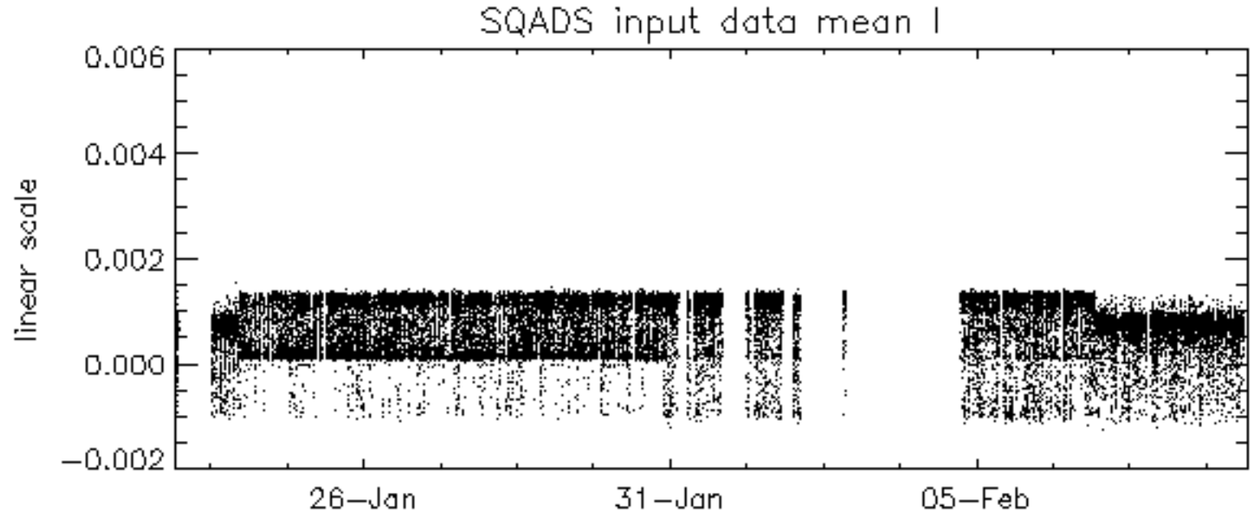
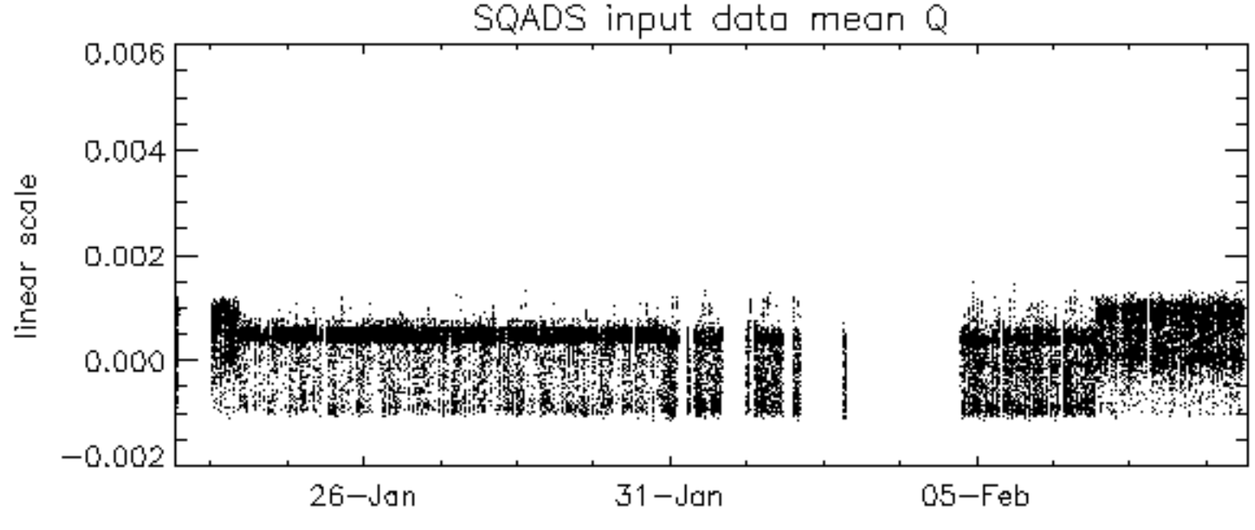
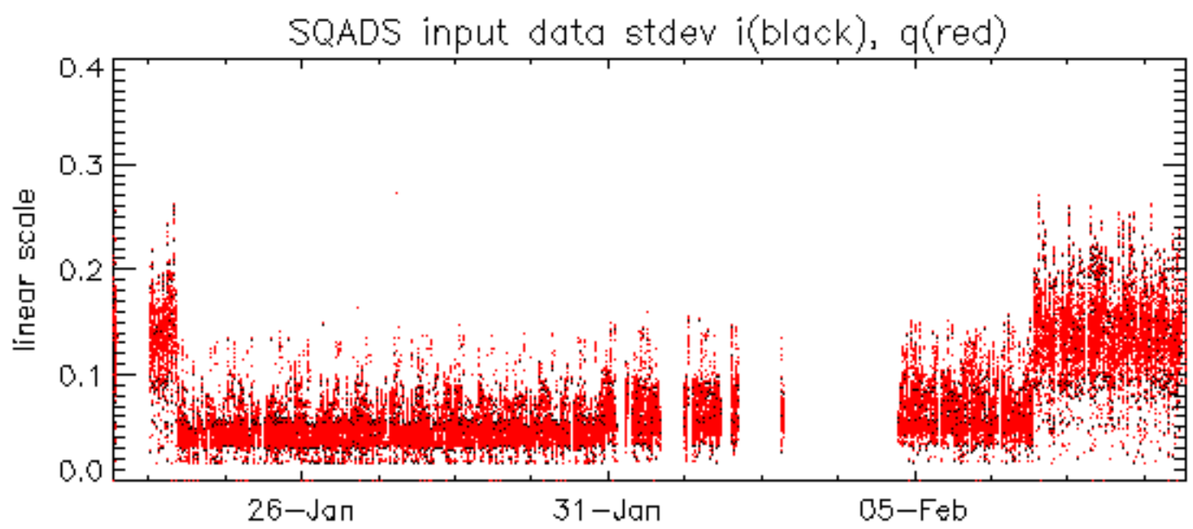
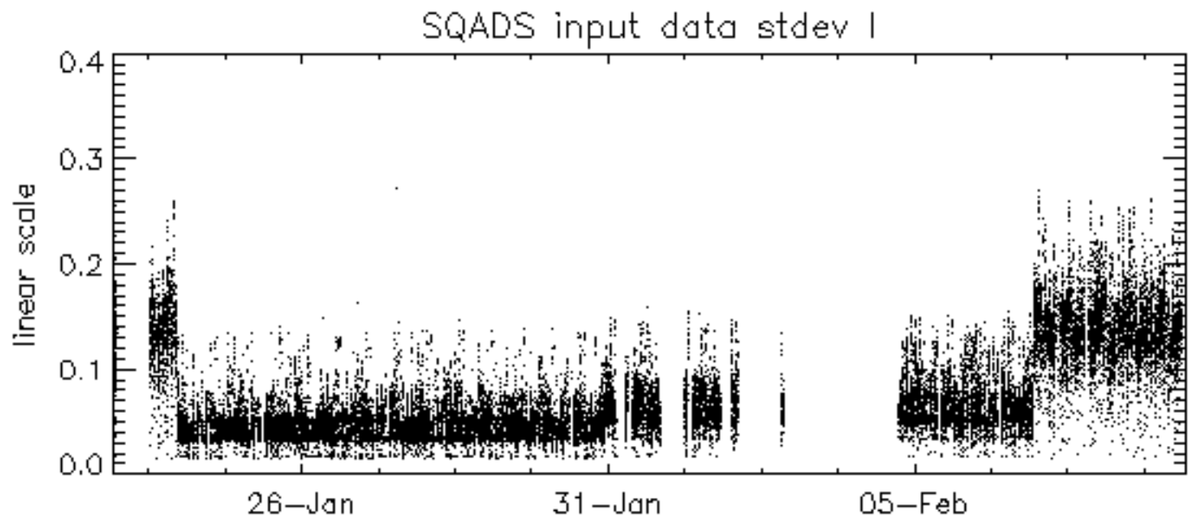

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

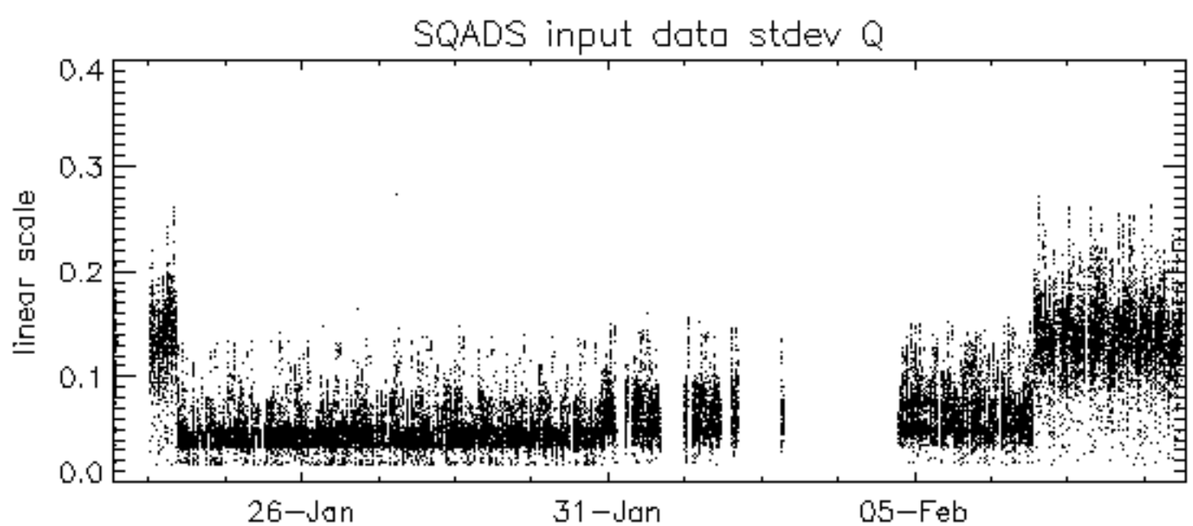

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

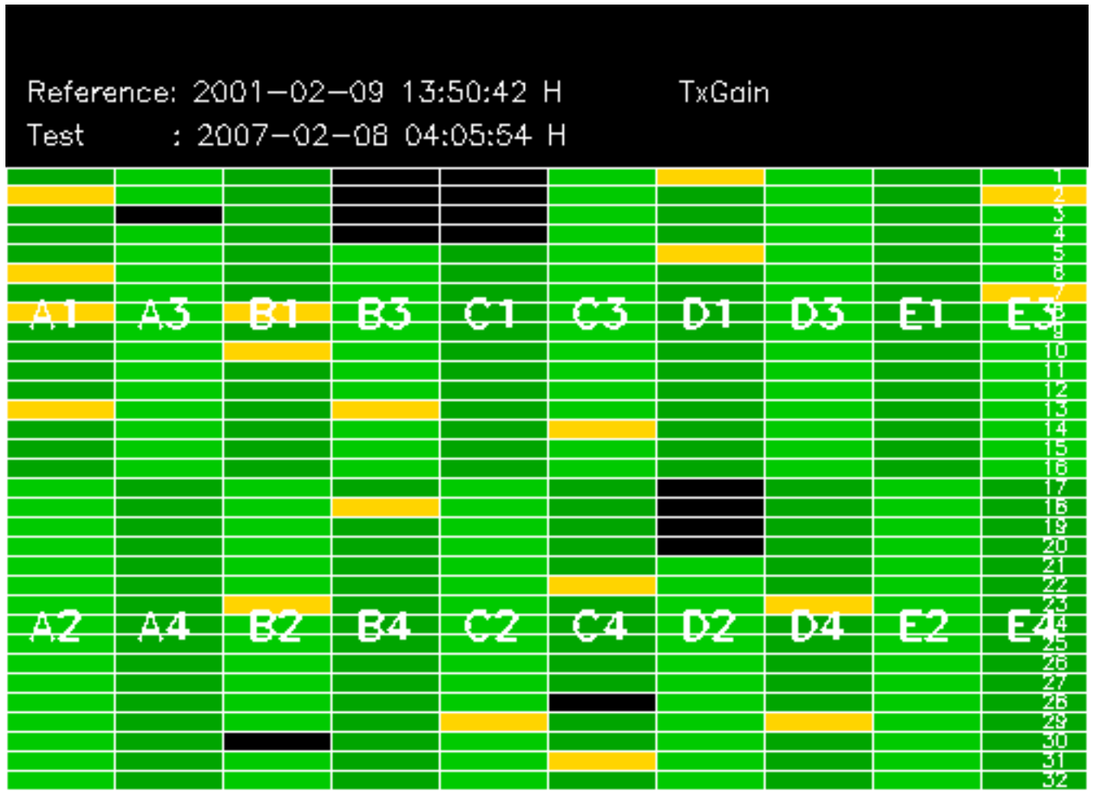

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

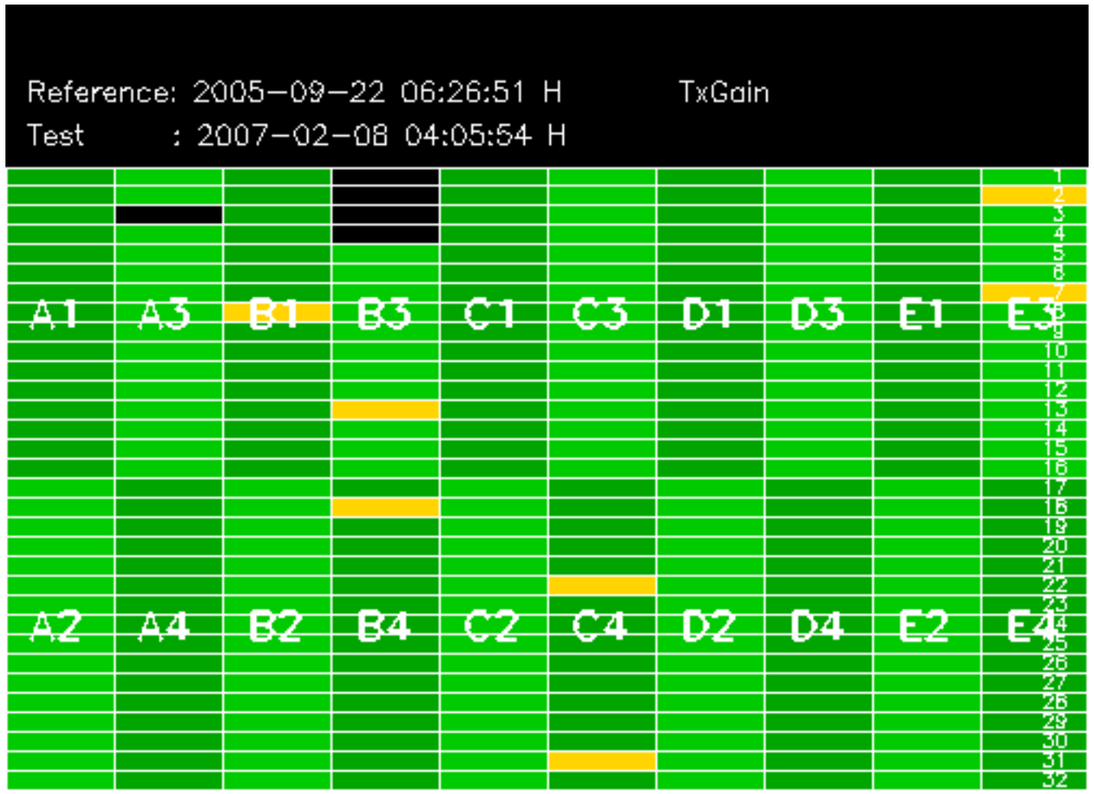

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-08 04:05:54 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 : 2007-02-08 04:05:54 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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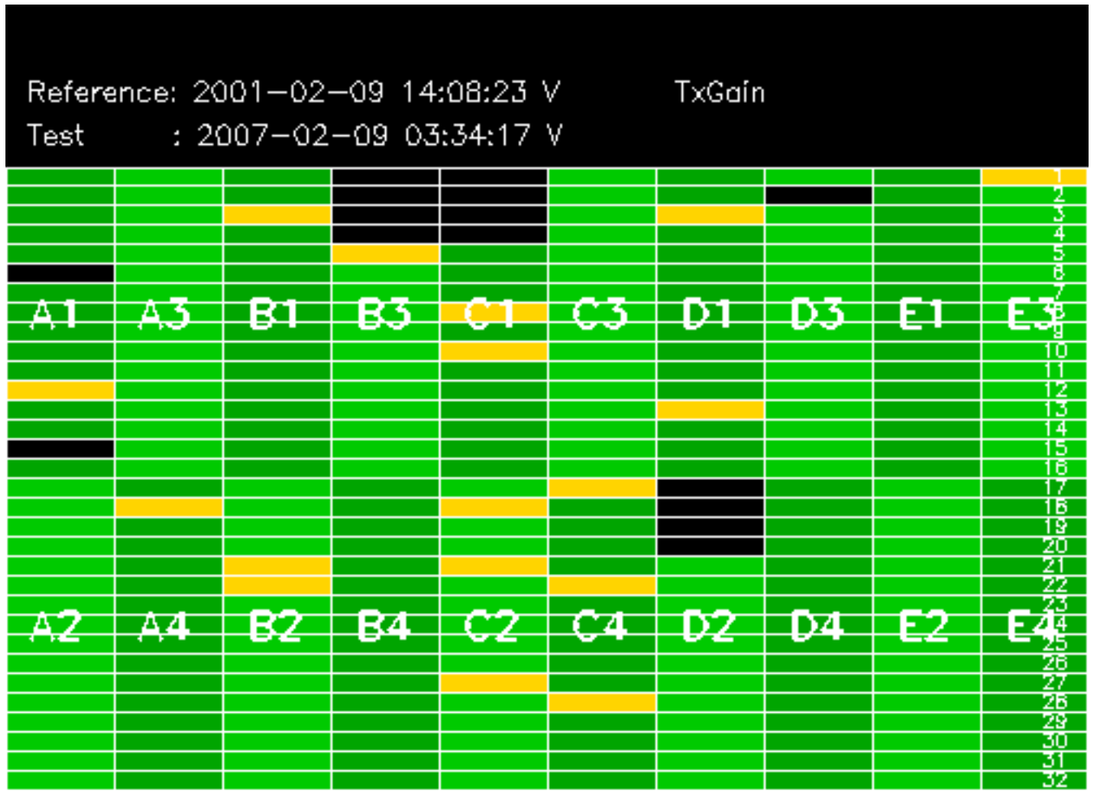
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-09 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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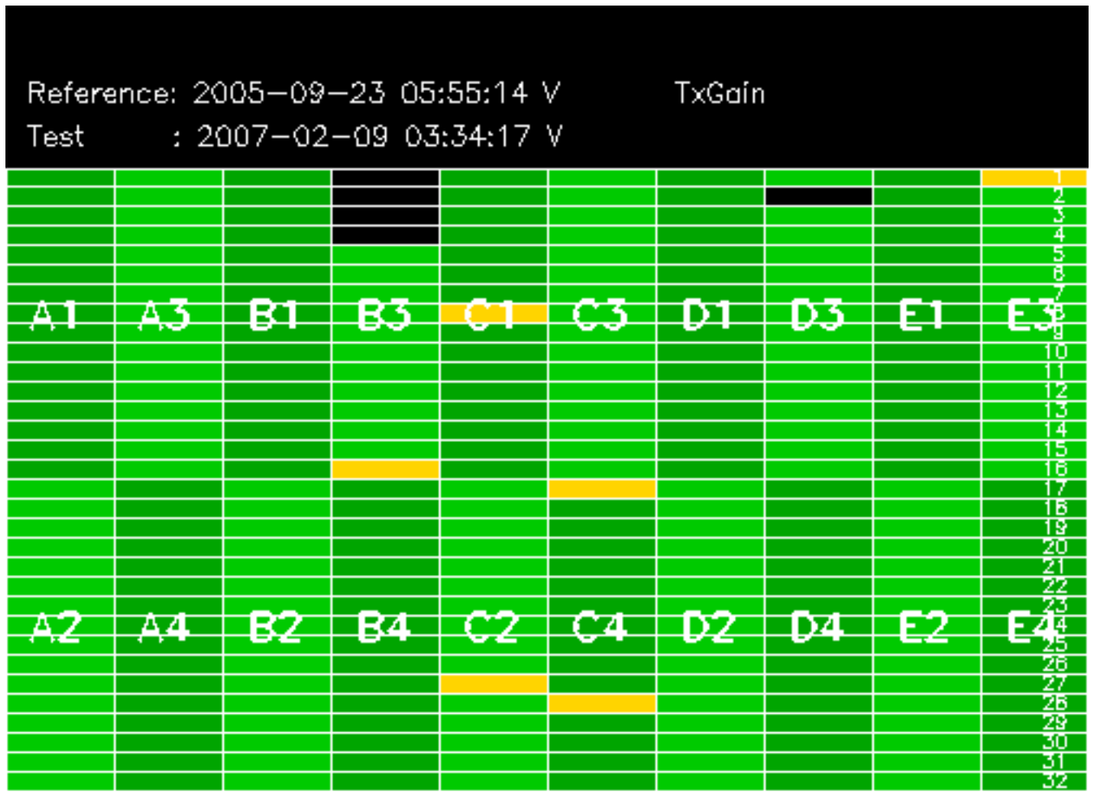
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-09 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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Summary of analysis for the last 3 days 2007020[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines 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_1PNPDE20070208_015344_000001402055_00232_25837_9161.N1 </td> <td>7 </td> <td>101 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_0947.N1 </td> <td>15 </td> <td>1731 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_0987.N1 </td> <td>15 </td> <td>1731 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070209_044539_000001392055_00248_25853_1132.N1 </td> <td>15 </td> <td>1731 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070209_044842_000000212055_00248_25853_0817.N1 </td> <td>15 </td> <td>1557 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070208_131157_000009672055_00239_25844_8717.N1 </td> <td>0 </td> <td>30 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_012926_000000862055_00232_25837_9154.N1 </td> <td>17 </td> <td>4430 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_013746_000001222055_00232_25837_9217.N1 </td> <td>0 </td> <td>56 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_013853_000000552055_00232_25837_9136.N1 </td> <td>0 </td> <td>44 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_022638_000000672055_00232_25837_9174.N1 </td> <td>40 </td> <td>13228 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_022638_000000672055_00232_25837_9789.N1 </td> <td>40 </td> <td>13228 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_022846_000001162055_00232_25837_9196.N1 </td> <td>8 </td> <td>1599 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070208_022846_000001162055_00232_25837_9825.N1 </td> <td>8 </td> <td>1599 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070209_052422_000002262055_00248_25853_1134.N1 </td> <td>3 </td> <td>480 </td></tr>
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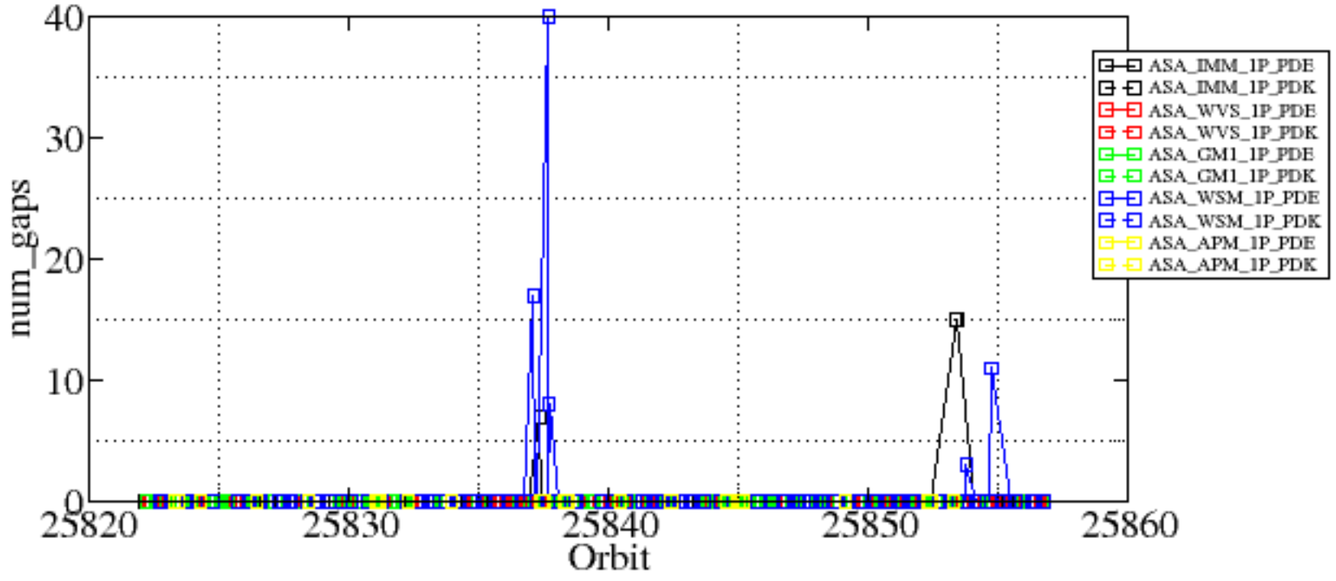
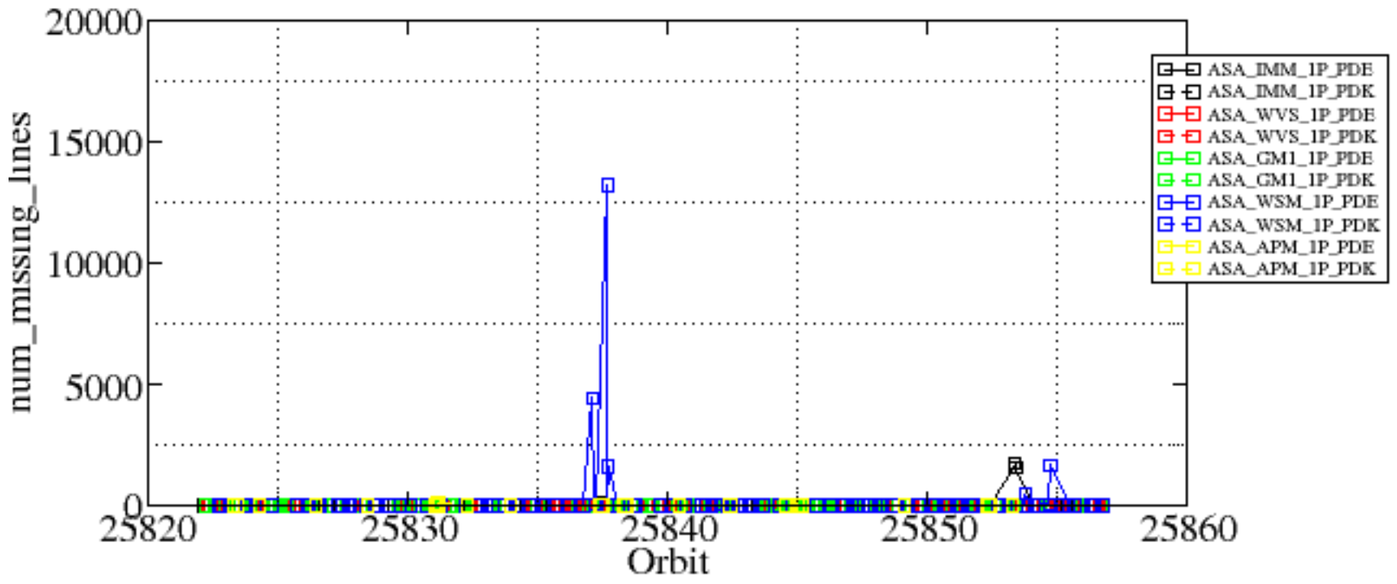
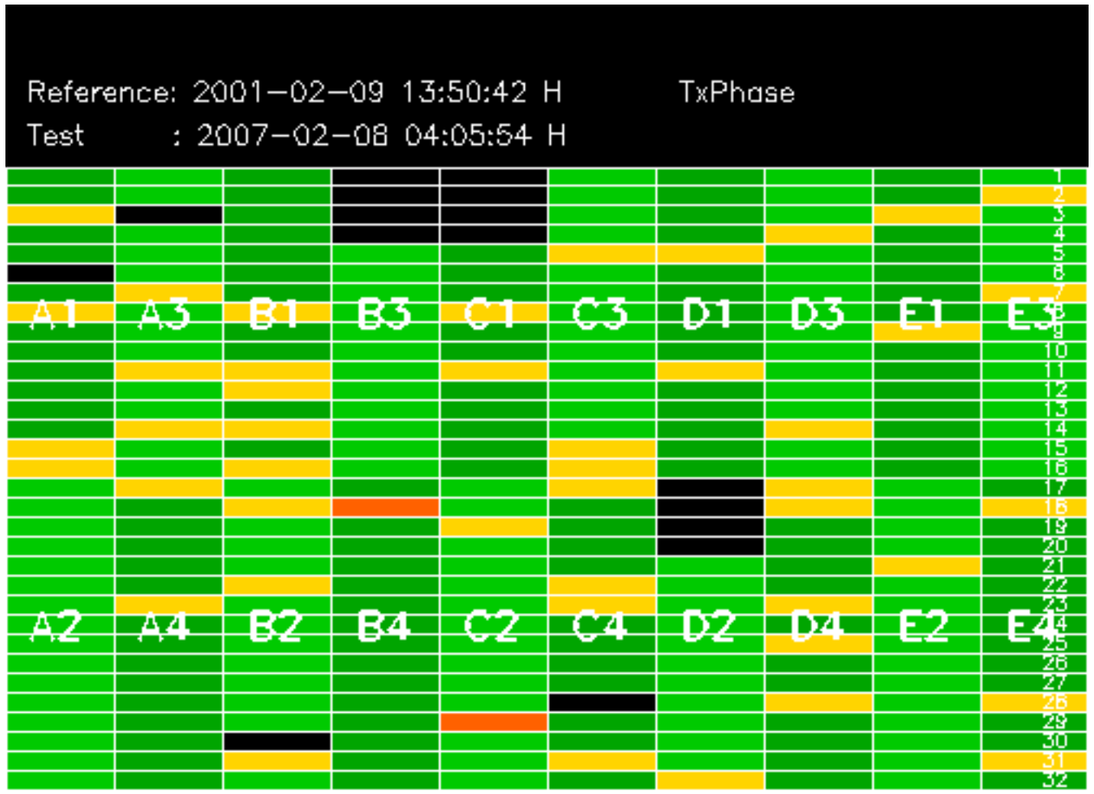
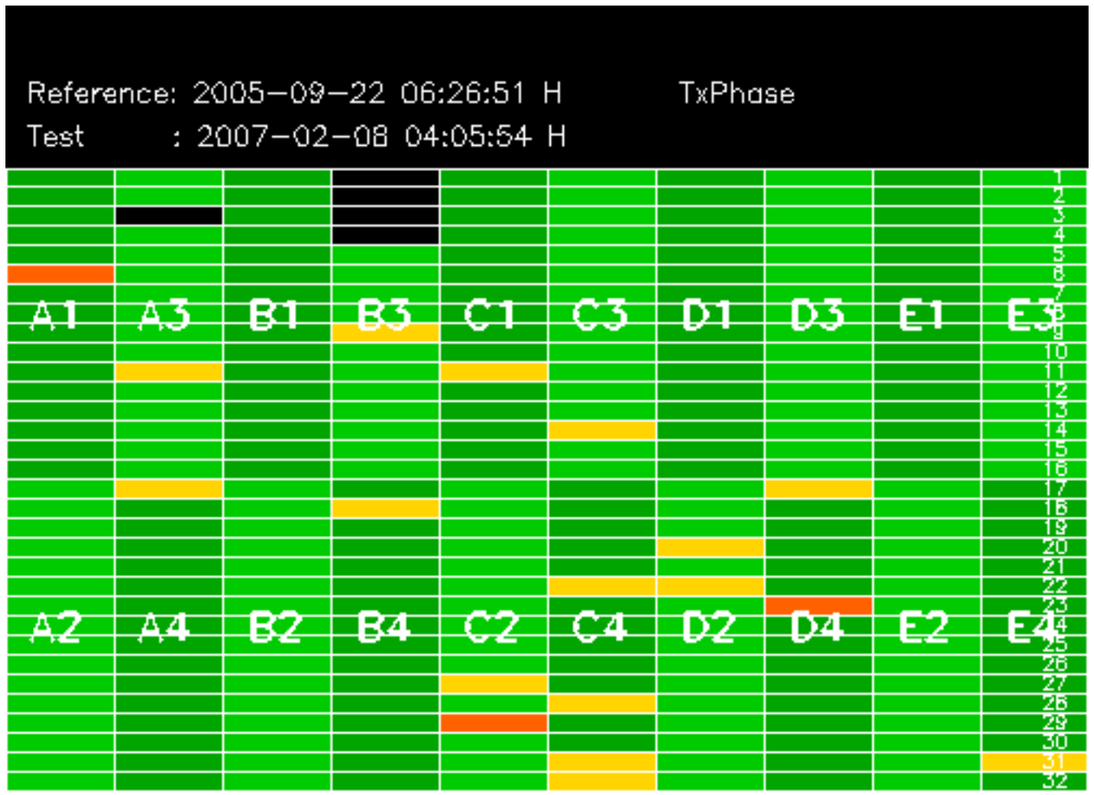

num_gaps
Orbit
40
30
20
10
0
25820
25830
25840
25850
25860
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
20000
15000
10000
5000
0
25820
25830
25840
25850
25860
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 : 2007-02-08 04:05:54 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 : 2007-02-08 04:05:54 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
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21
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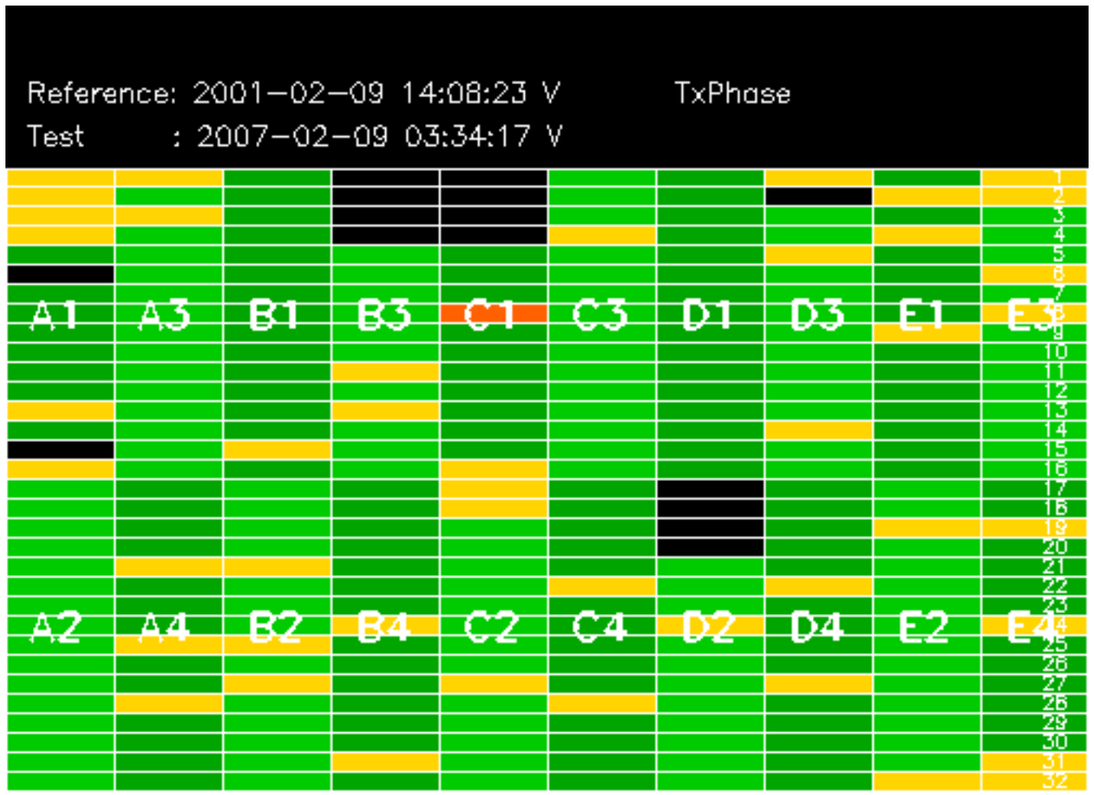
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-09 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
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18
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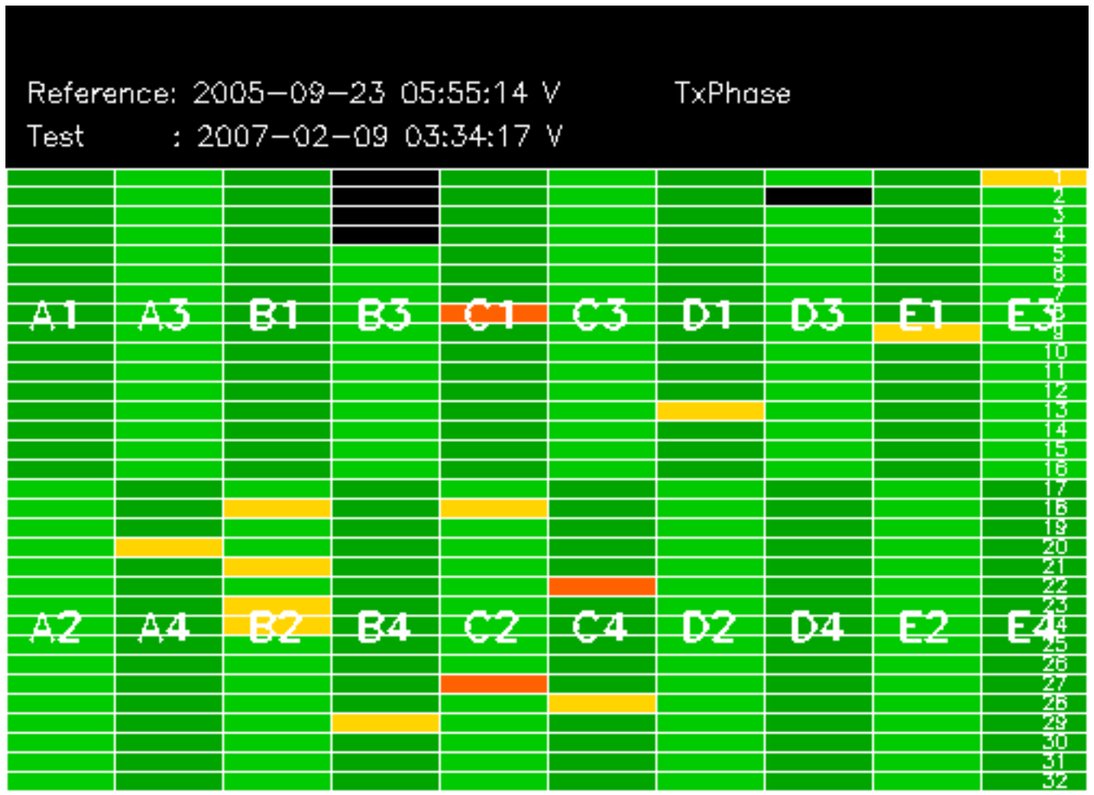
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-09 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
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18
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21
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23
24
25
26
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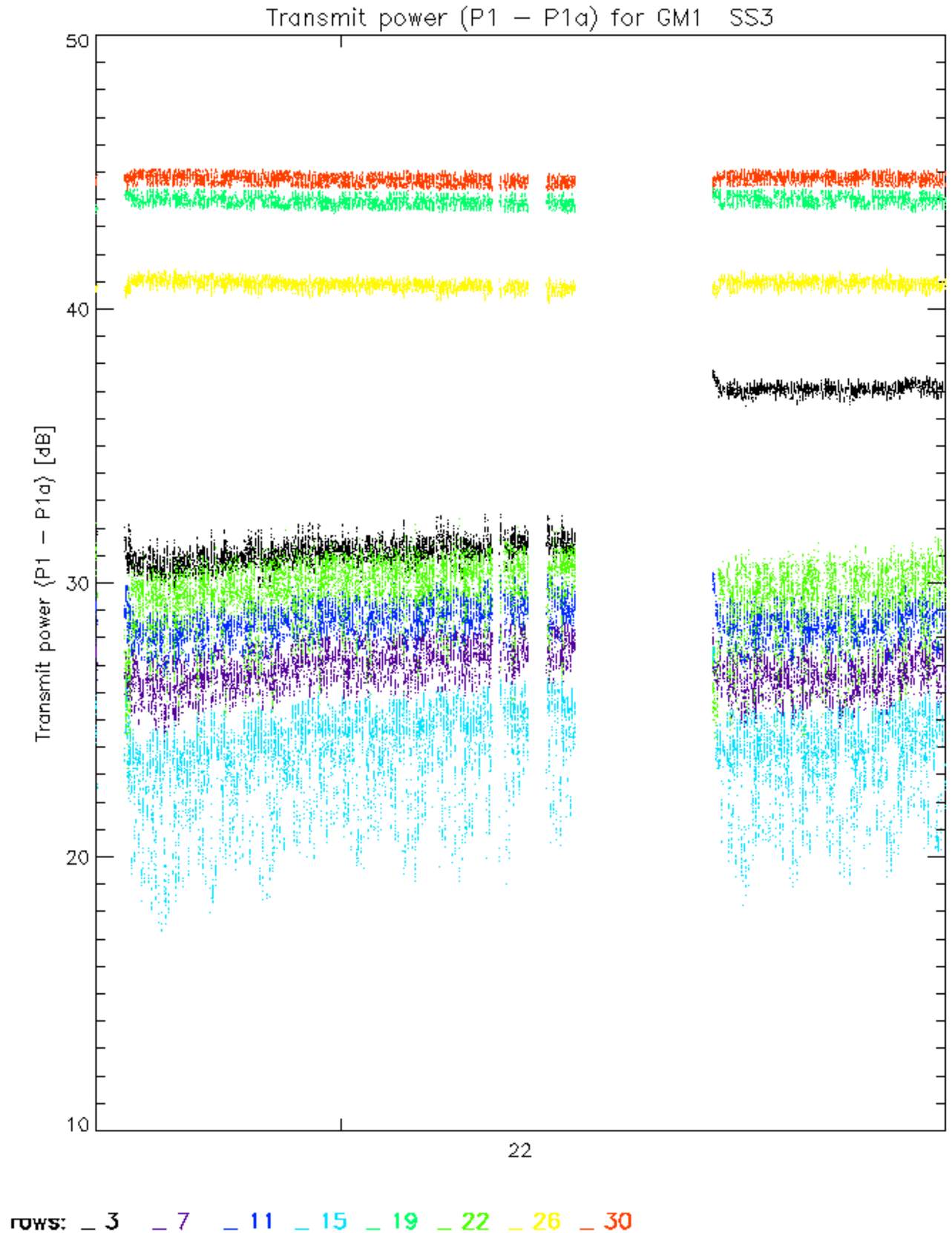
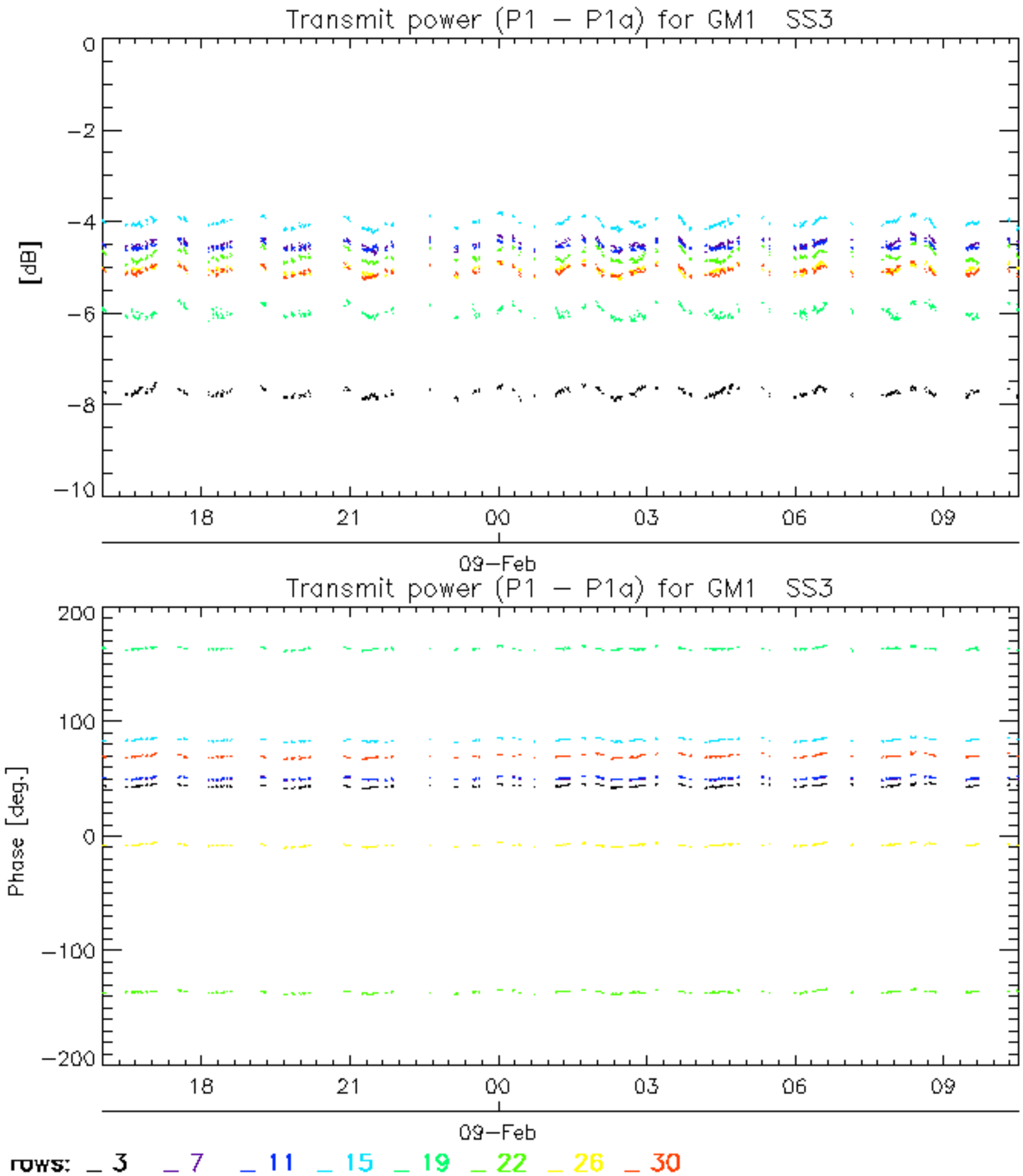
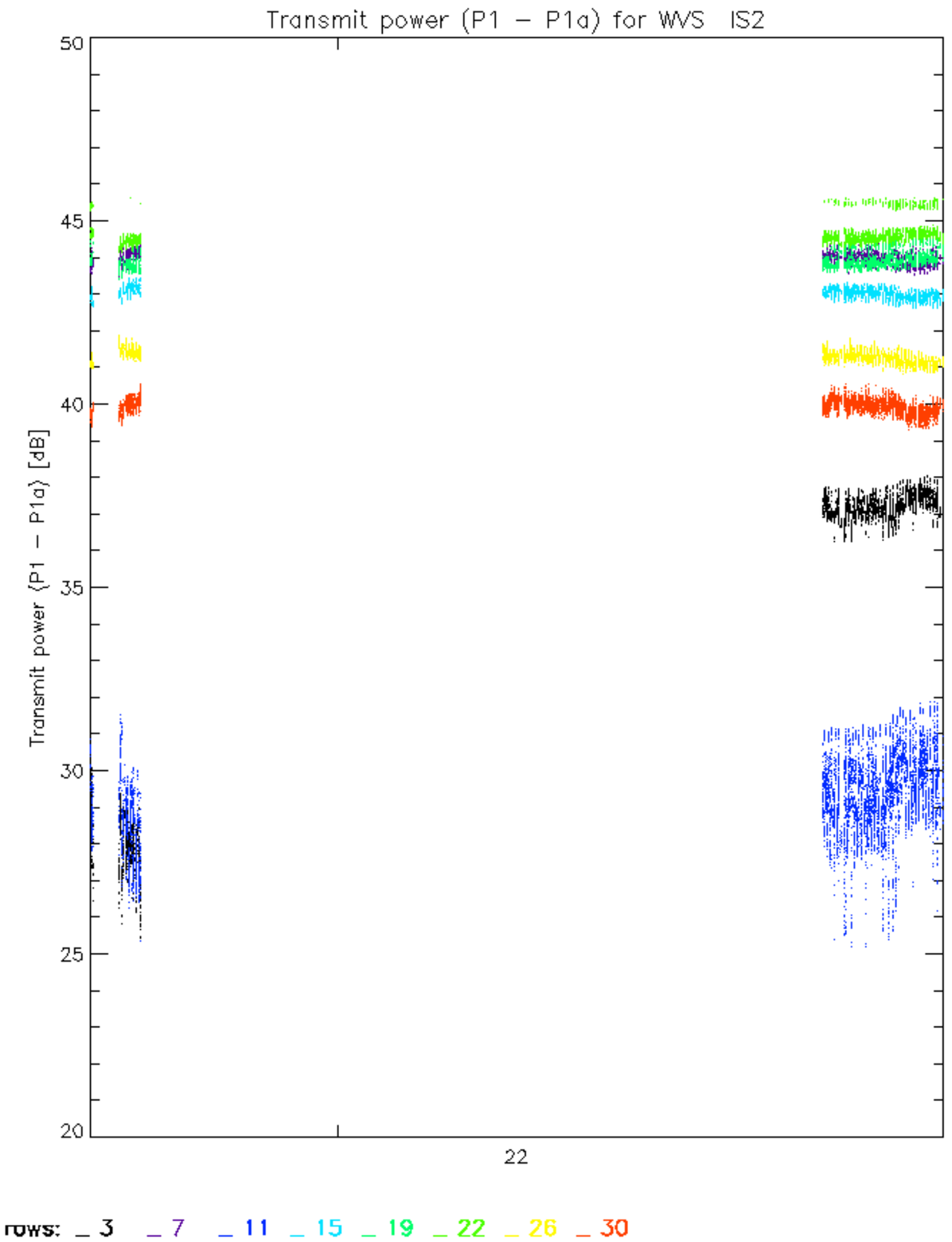
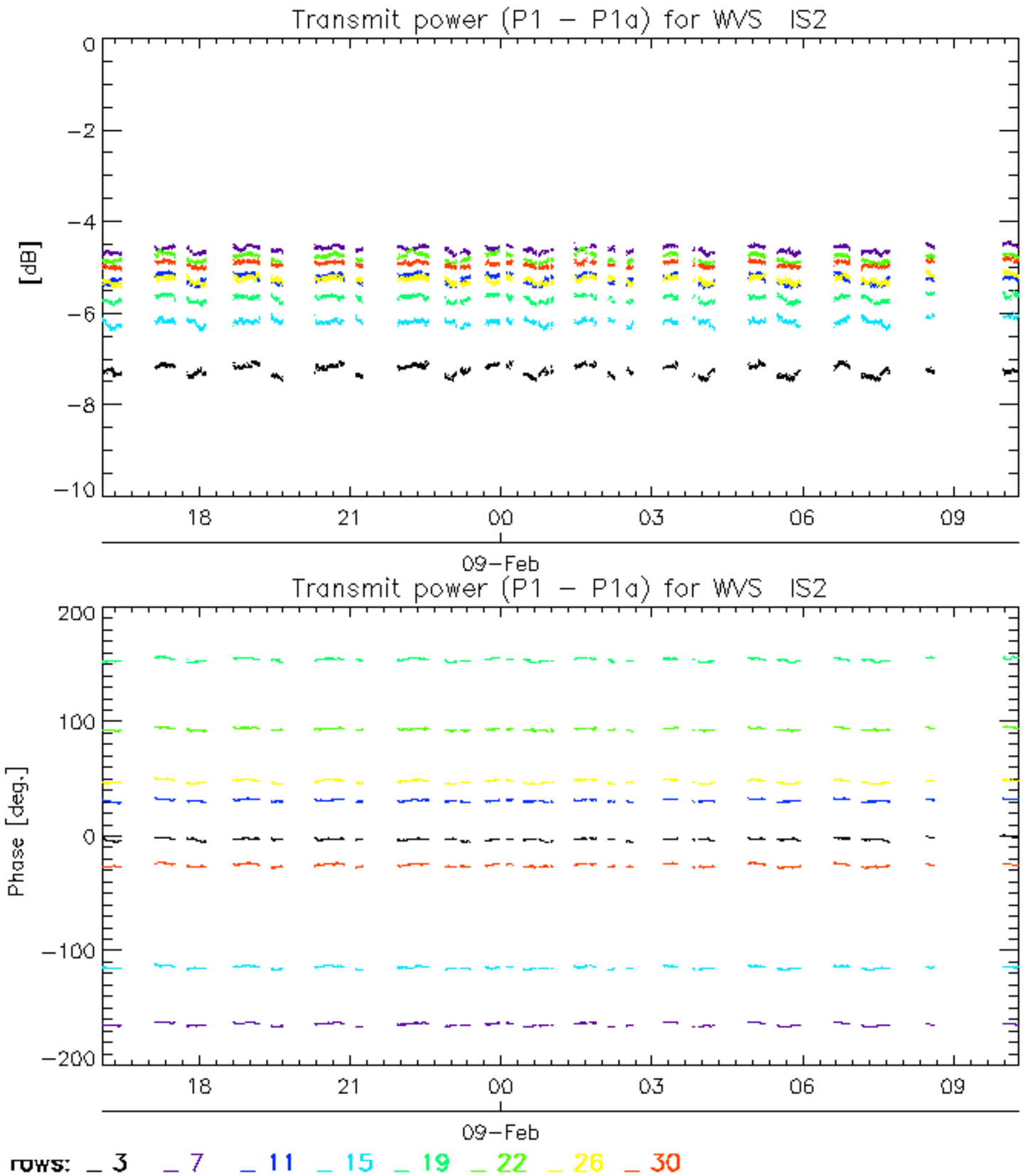
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
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
09–Feb
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
09–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
09–Feb
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
09–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.