PRELIMINARY REPORT OF 070305

last update on Mon Mar 5 18:01:02 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 2007-03-04 00:00:00 to 2007-03-05 18:01:02

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	31	51	7	3	33
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	31	51	7	3	33
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	31	51	7	3	33
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	31	51	7	3	33

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	39	55	32	13	50
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	39	55	32	13	50
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	39	55	32	13	50
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	39	55	32	13	50

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	20070304 095342
H	20070305 092205

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	-10.946208	0.332596	0.021047
7	P1a	-10.119158	0.237464	0.304492
11	P1a	-10.775262	0.127005	0.175515
15	P1a	-11.737694	1.549725	1.947741
19	P1a	-15.052770	1.089204	-1.650023
22	P1a	-19.466934	7.462565	-3.869240
26	P1a	-15.542052	0.504832	0.583193
30	P1a	-20.170033	6.985517	3.988108

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-7.364801	2.822249	-3.169152
7	P1	-2.587694	0.054118	0.162751
11	P1	-3.253749	0.145680	0.531559
15	P1	-4.644080	1.325612	1.794968
19	P1	-3.419725	0.096171	-0.476573
22	P1	-5.357351	0.146954	0.583204
26	P1	-5.385831	0.710332	-1.351589
30	P1	-5.444899	0.067333	0.290438

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.575331	0.704621	-1.343950
7	P2	-21.878321	0.131316	-0.243615
11	P2	-10.802333	0.137063	-0.407228
15	P2	-5.098425	0.085416	-0.060969
19	P2	-7.230721	0.082103	-0.033794
22	P2	-8.356990	0.082399	0.121332

26	P2	-24.160194	0.132255	-0.402423
30	P2	-21.665369	0.069142	0.069290

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.221139	0.008083	-0.017826
7	P3	-8.221139	0.008083	-0.017826
11	P3	-8.221139	0.008083	-0.017826
15	P3	-8.221139	0.008083	-0.017826
19	P3	-8.221139	0.008083	-0.017826
22	P3	-8.221139	0.008083	-0.017826
26	P3	-8.221139	0.008083	-0.017826
30	P3	-8.221139	0.008083	-0.017826

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	-11.127485	0.082359	0.370570
7	P1a	-10.046698	0.134145	-0.029217
11	P1a	-10.631072	0.067632	-0.104478
15	P1a	-10.894957	0.133893	-0.142893
19	P1a	-15.722393	0.067298	0.104997
22	P1a	-20.833147	1.175804	-0.165484
26	P1a	-15.350347	0.265463	0.238736
30	P1a	-18.373430	0.348502	-0.082627

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.044728	1.116053	-2.138392
7	P1	-2.429582	0.022372	0.036662

11	P1	-2.904545	0.019914	-0.056425
15	P1	-3.823296	0.040067	-0.057366
19	P1	-3.551363	0.011746	0.004852
22	P1	-5.034302	0.023144	-0.035132
26	P1	-5.976222	0.025158	0.061024
30	P1	-5.279077	0.021750	0.026502

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.929205	0.300191	-1.037491
7	P2	-21.969770	0.054713	0.097406
11	P2	-10.656801	0.030969	0.056165
15	P2	-4.818012	0.027058	0.014112
19	P2	-6.812760	0.028817	0.036076
22	P2	-8.108628	0.034397	0.091154
26	P2	-24.260771	0.034905	-0.056911
30	P2	-21.753860	0.037203	0.078485

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.045154	0.003519	-0.007606
7	P3	-8.045206	0.003531	-0.007364
11	P3	-8.045227	0.003523	-0.008169
15	P3	-8.045197	0.003536	-0.007935
19	P3	-8.045286	0.003524	-0.008107
22	P3	-8.045282	0.003520	-0.007770
26	P3	-8.045144	0.003523	-0.007909
30	P3	-8.045197	0.003533	-0.007939

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	0.000626467
	stdev	2.34412e-07
MEAN Q	mean	0.000392189
	stdev	2.55186e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.109768
	stdev	0.00250894
STDEV Q	mean	0.109811
	stdev	0.00256309

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007030[345]
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_GM1_1PNPDK20070303_153003_000002712056_00068_26174_5060.N1	0	51
ASA_GM1_1PNPDK20070305_083800_000004282056_00093_26199_6587.N1	0	7

ASA_WSM_1PNPDE20070303_142340_000000852056_00068_26174_9241.N1	0	16
ASA_WSM_1PNPDE20070305_003950_000002632056_00088_26194_1182.N1	0	32

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

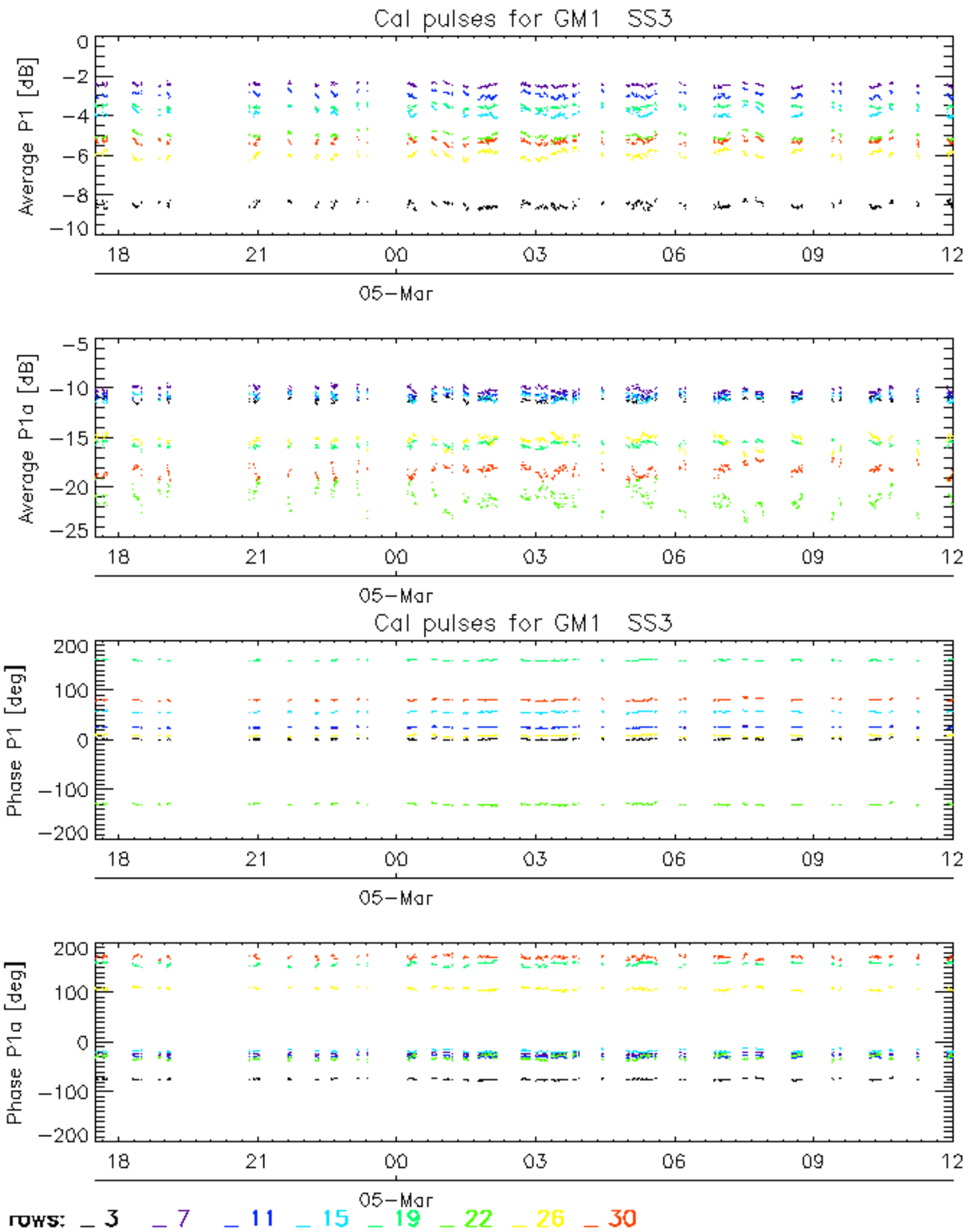
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

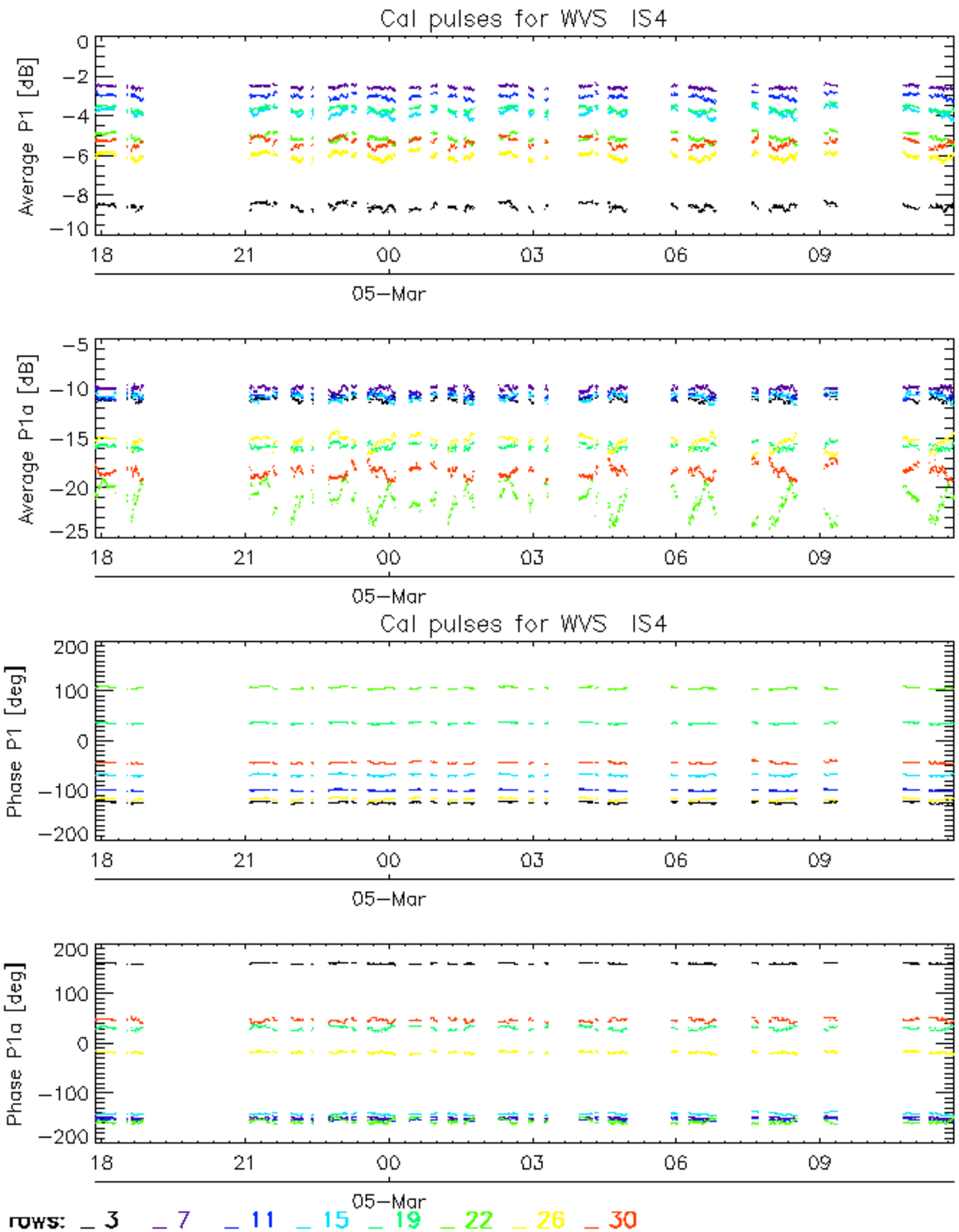
7.5 - Absolute Doppler for GM1

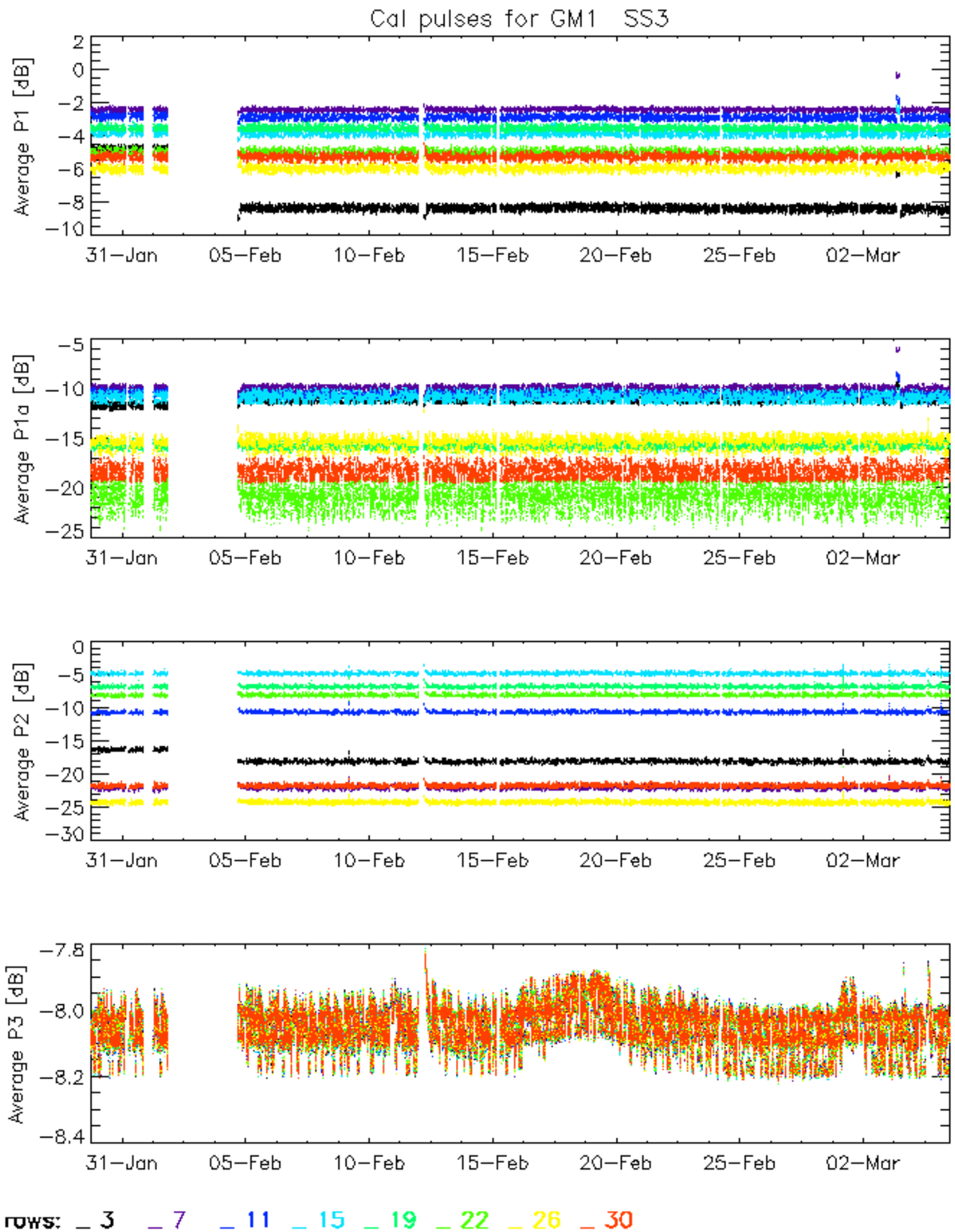
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

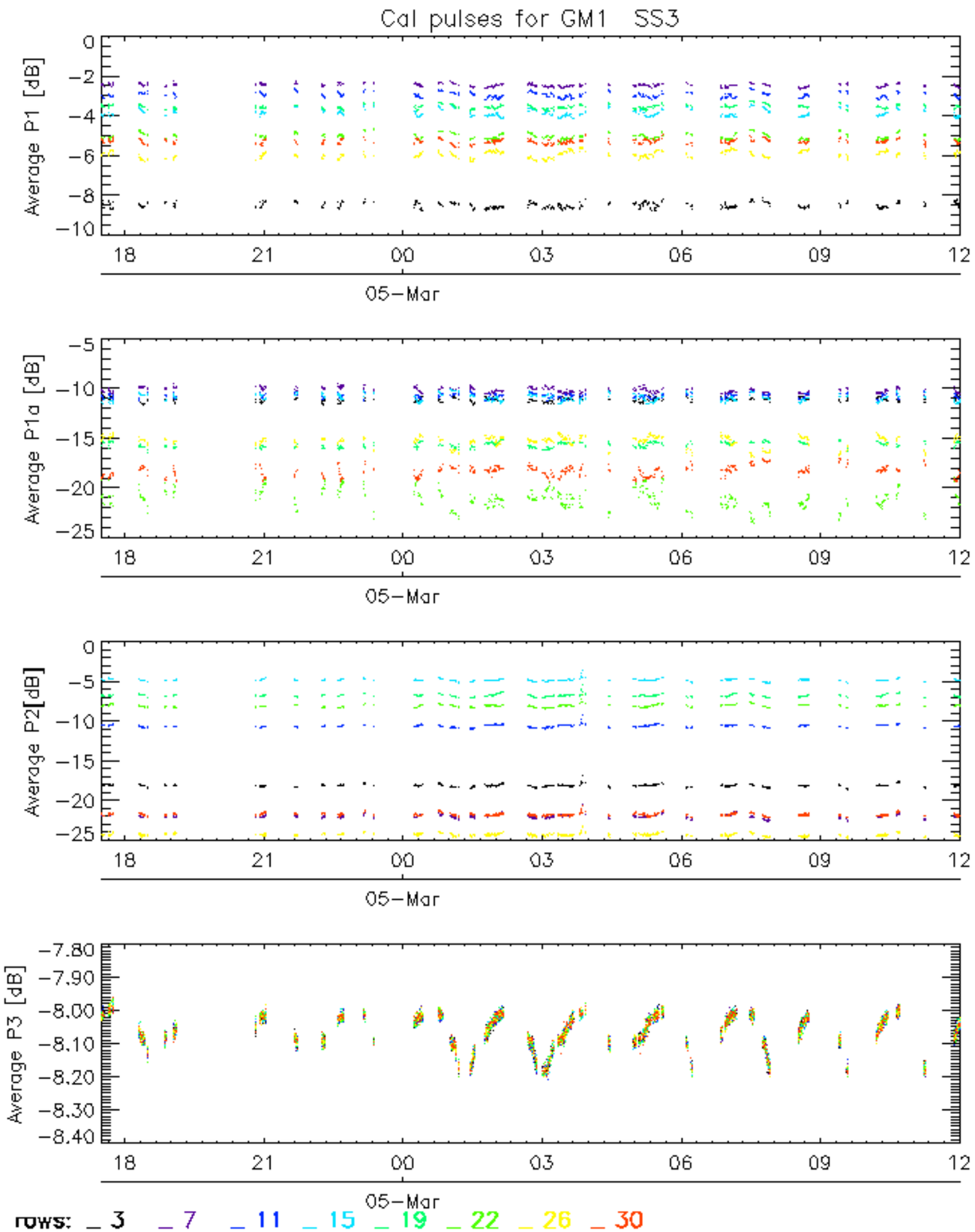
7.6 - Doppler evolution versus ANX for GM1

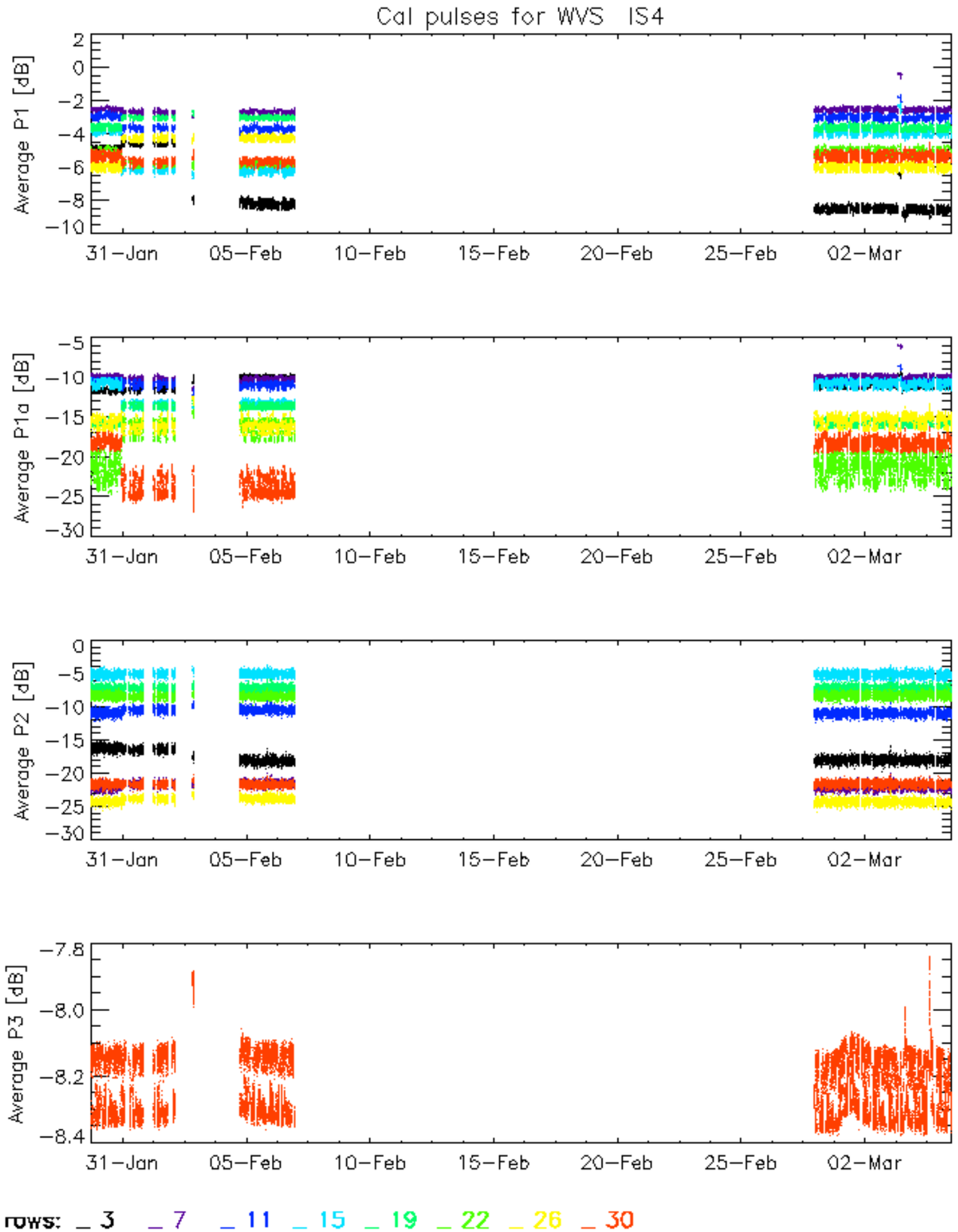
Evolution Doppler error versus ANX
☒

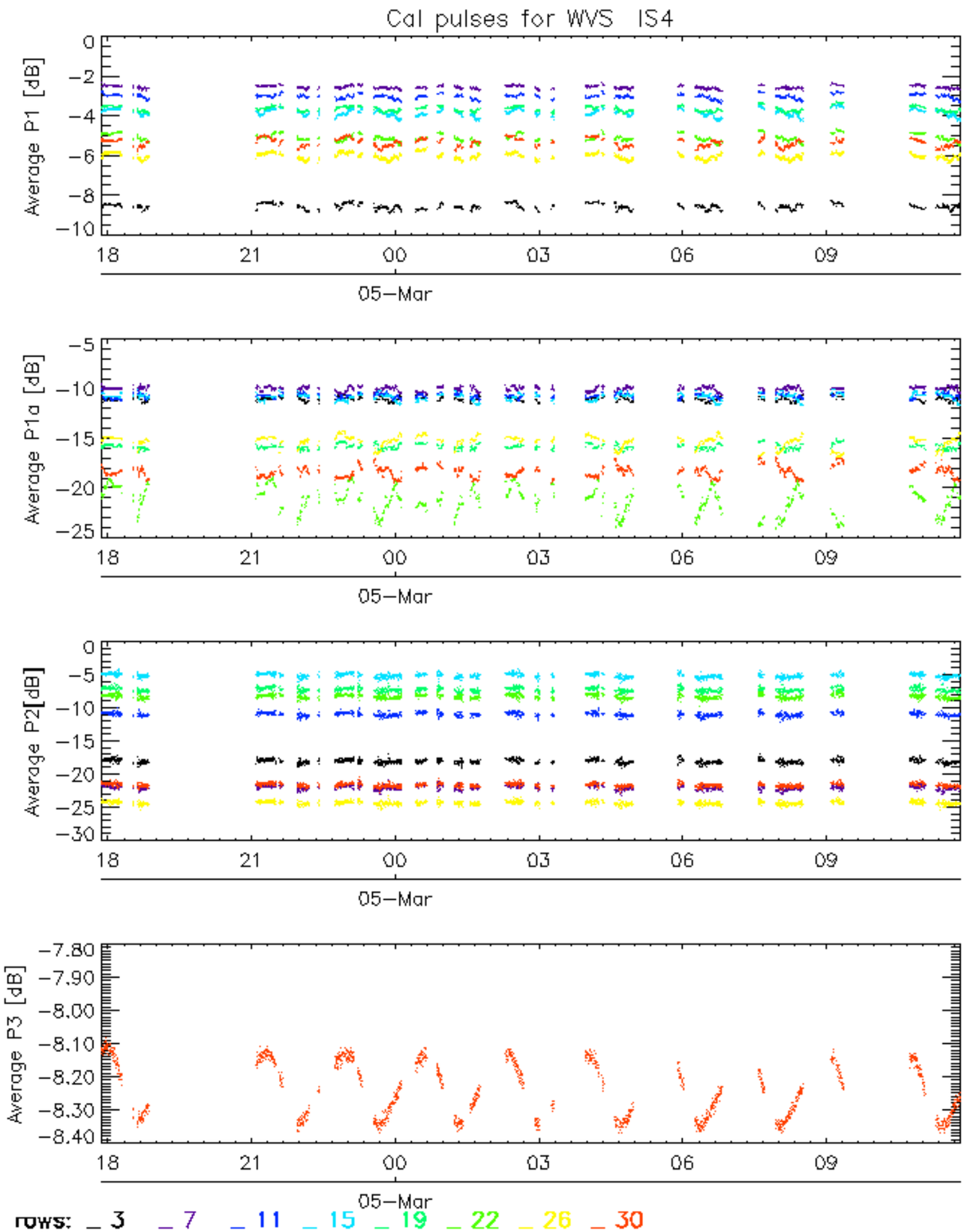

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
05−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
05−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
05−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
05−Mar
rows: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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
05−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
05−Mar
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
05−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
05−Mar
rows: 3 7 11 15 19 22 26 30

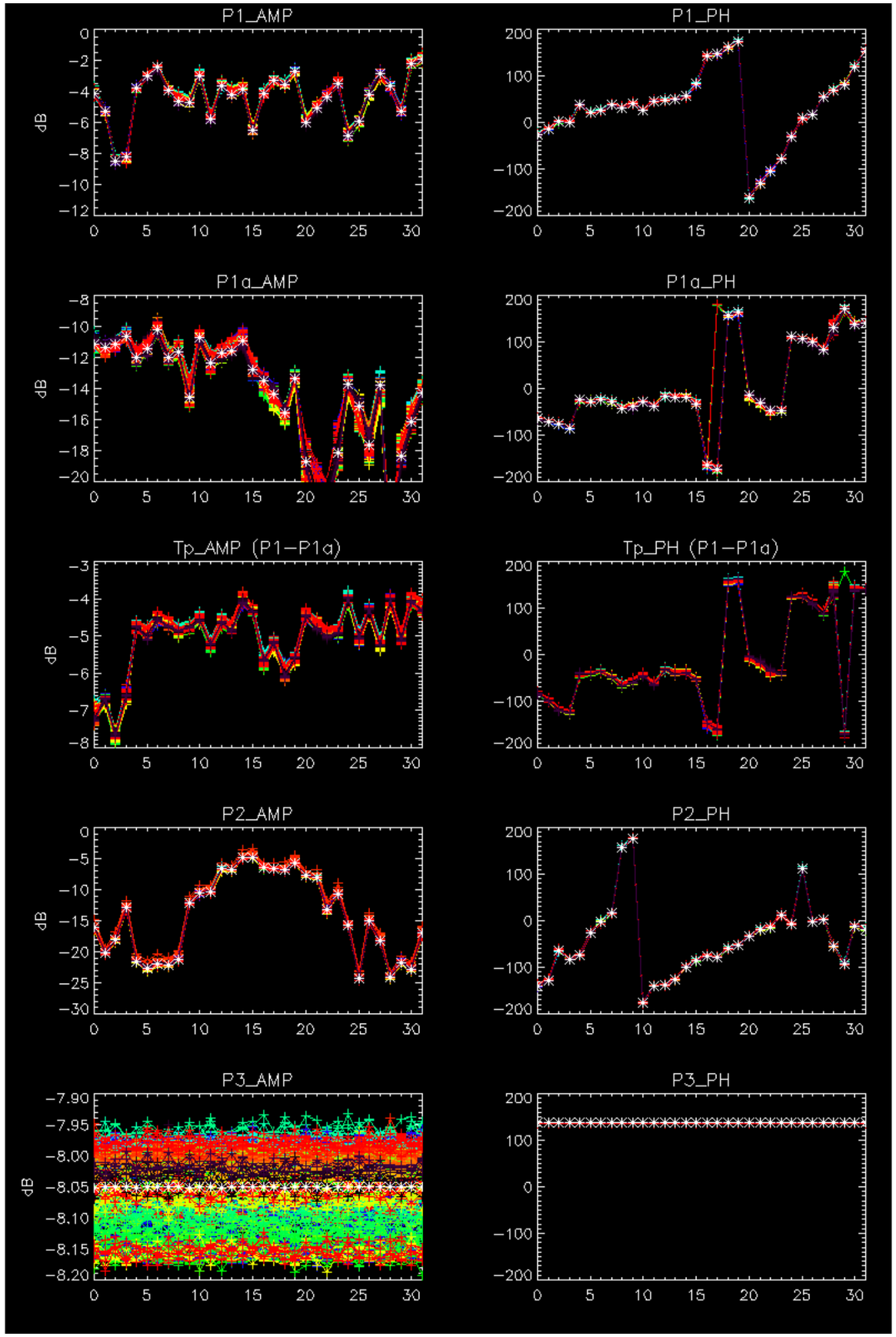

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

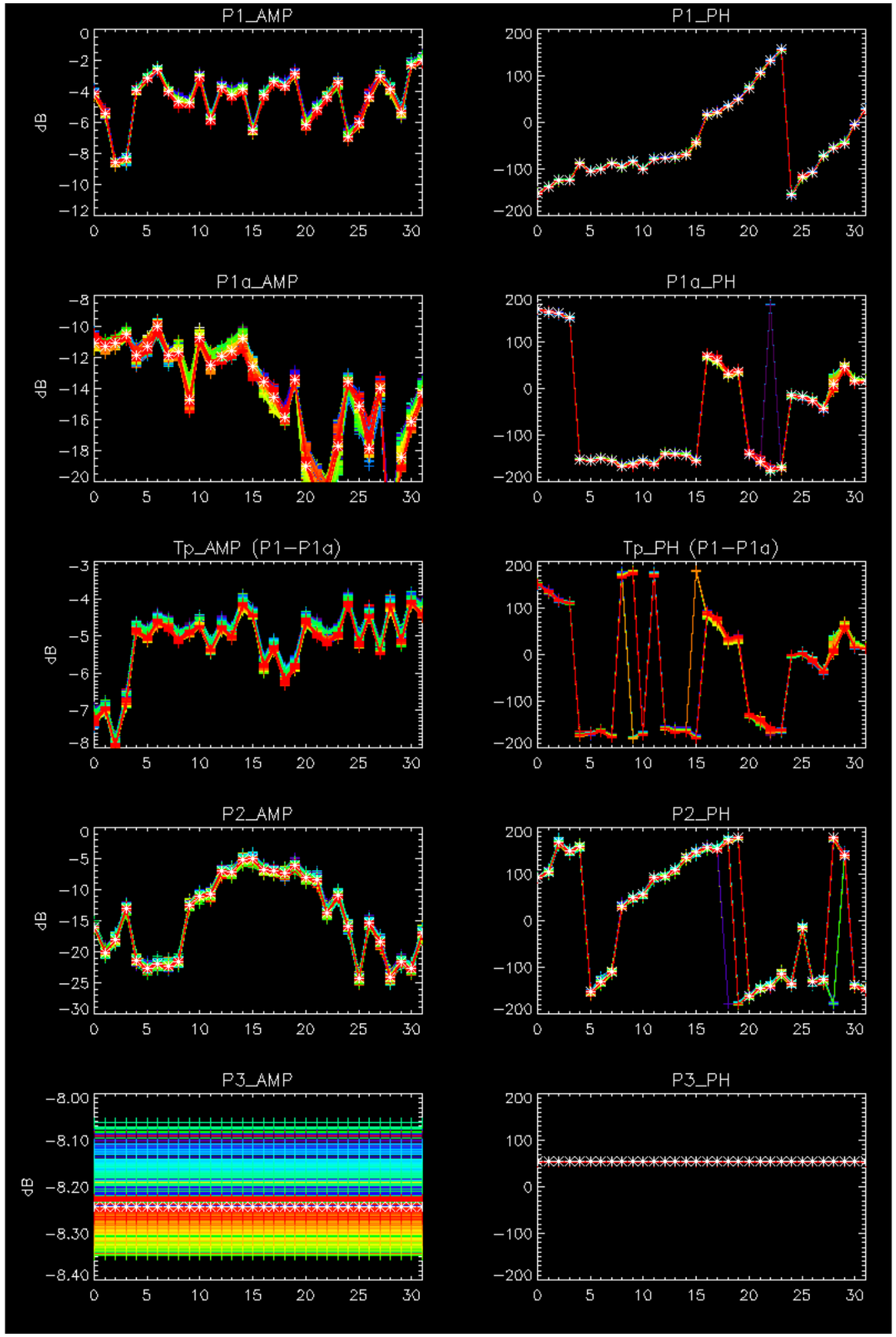

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
05−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
05−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
05−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
05−Mar
rows: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


Cal pulses for WVS IS4
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
05−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
05−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
05−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
05−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

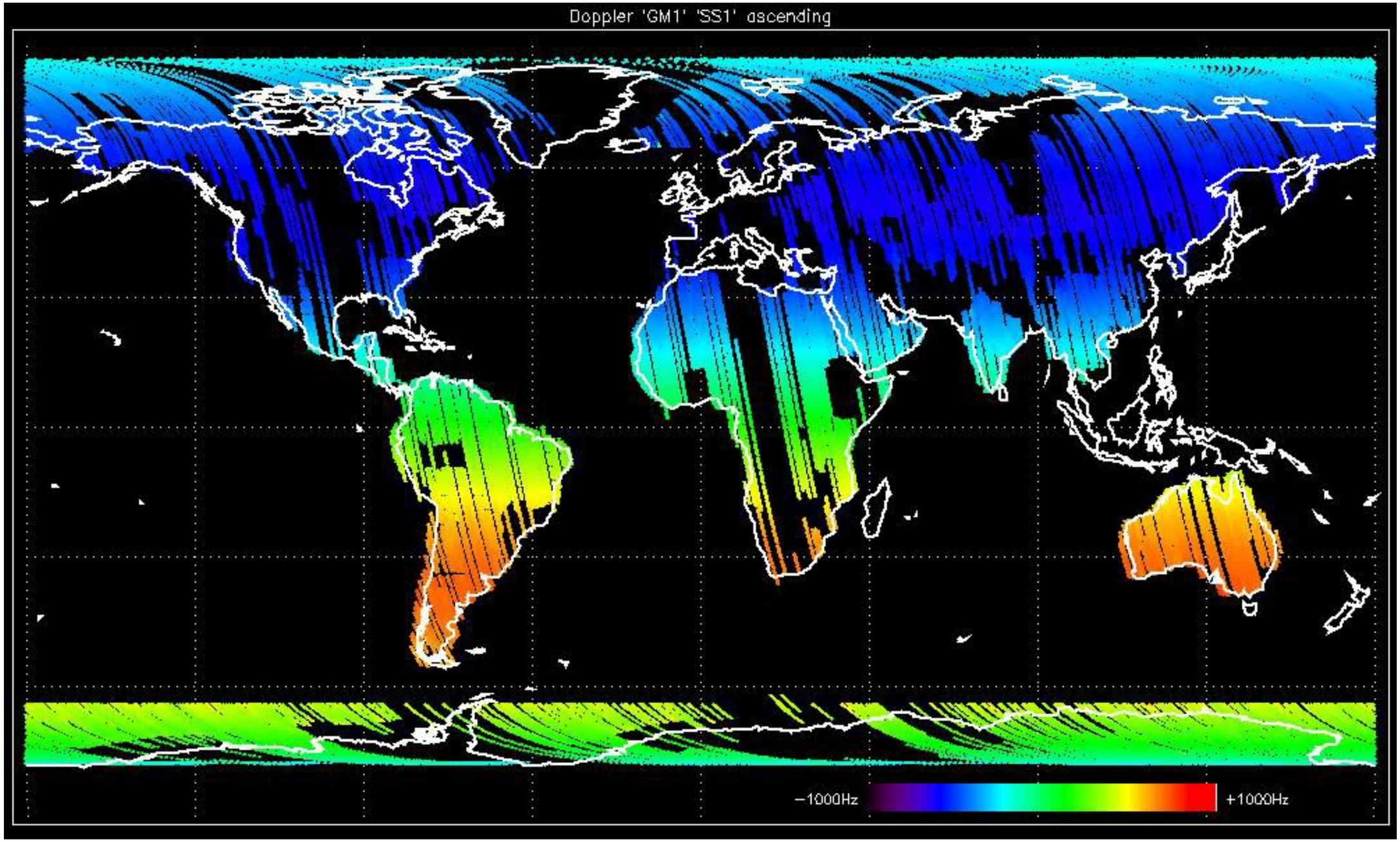
No anomalies observed.

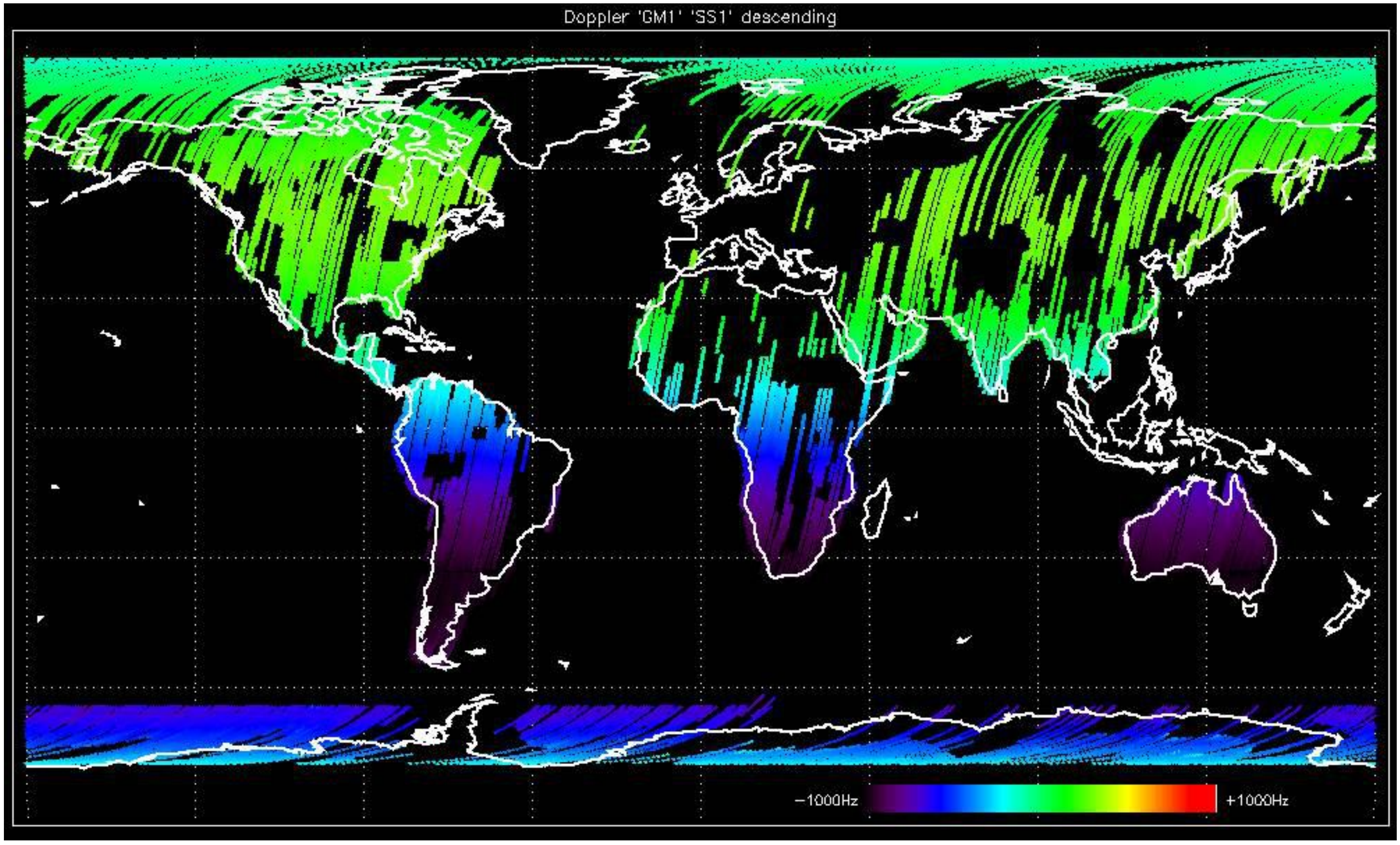

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

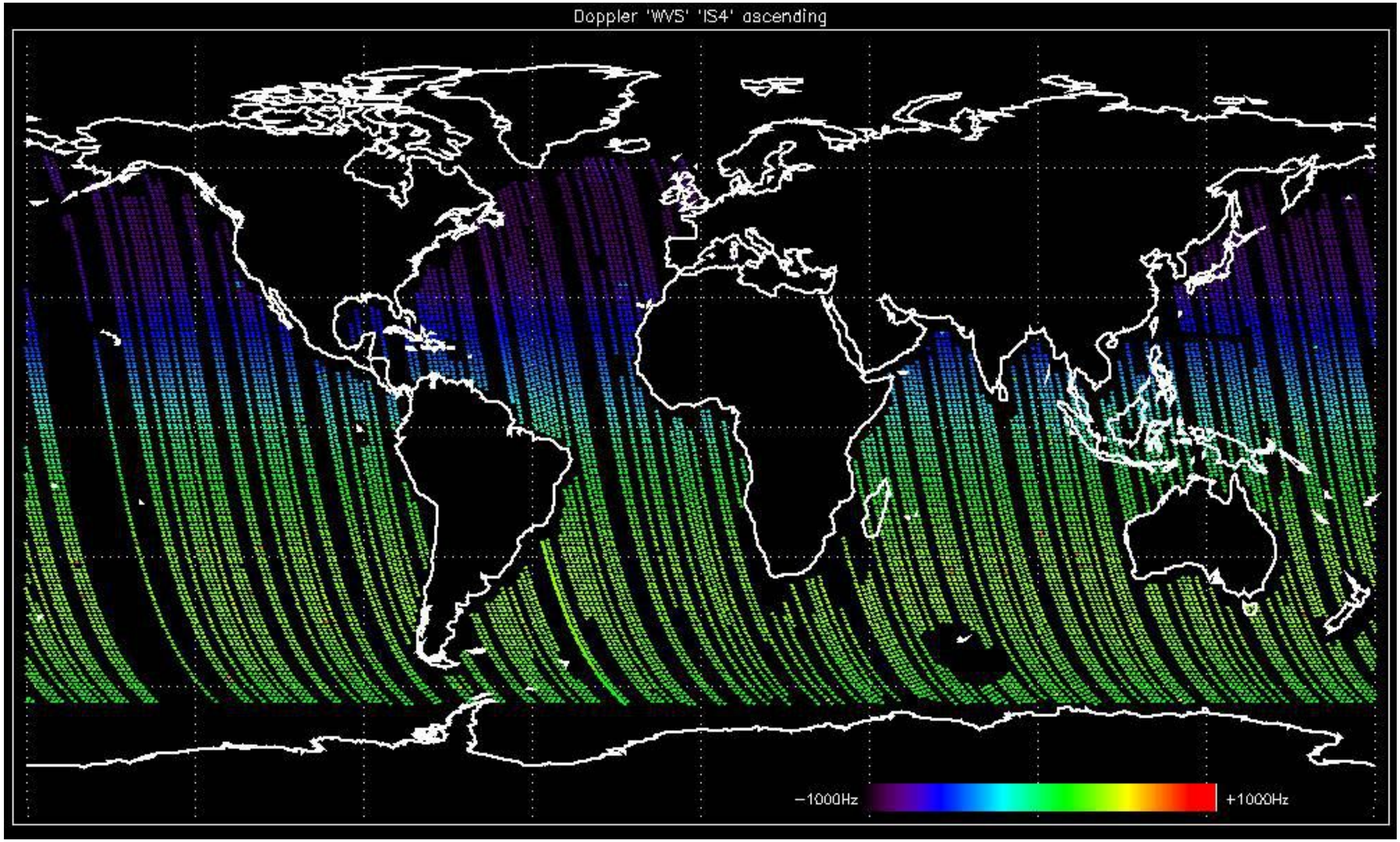

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

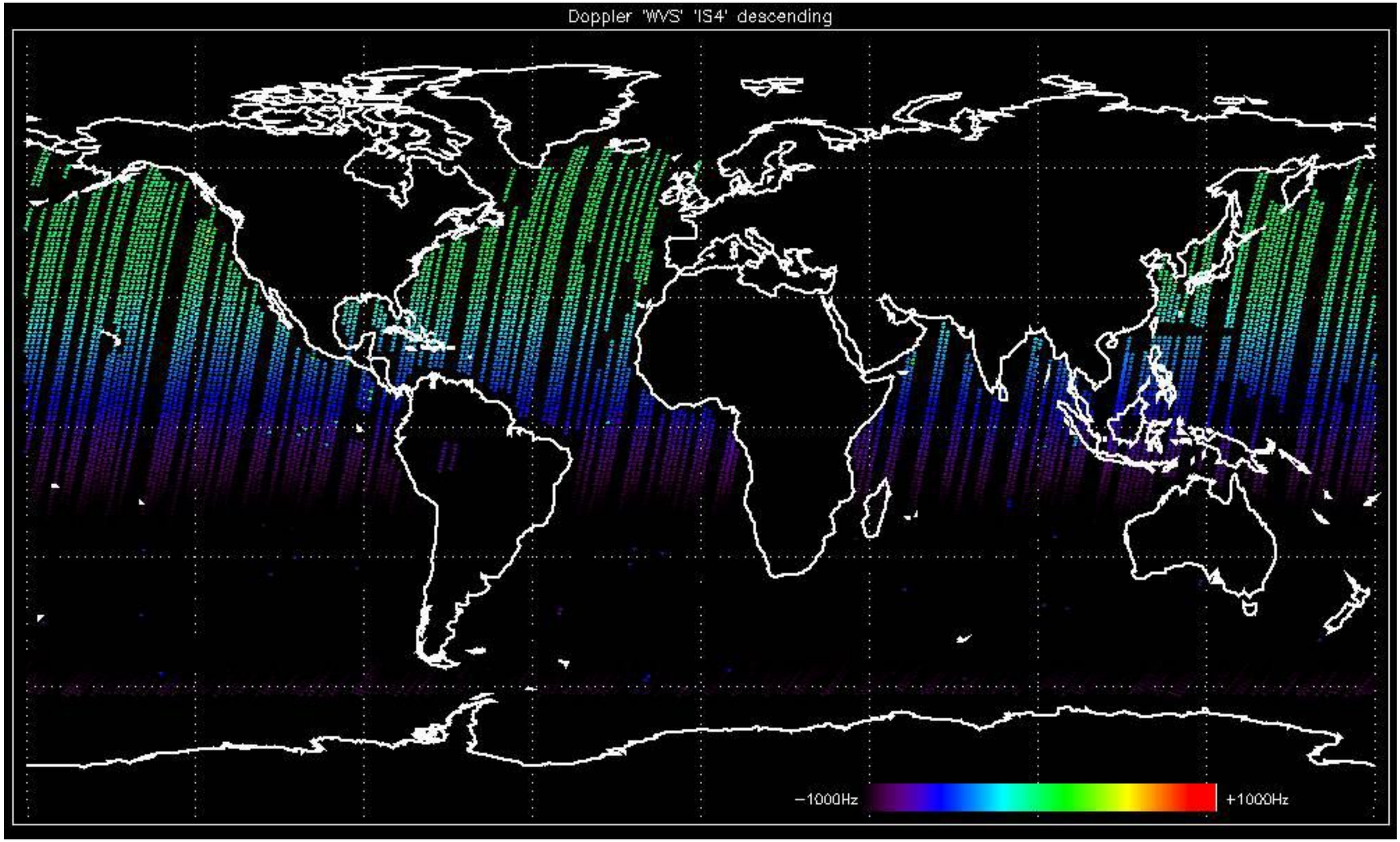
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

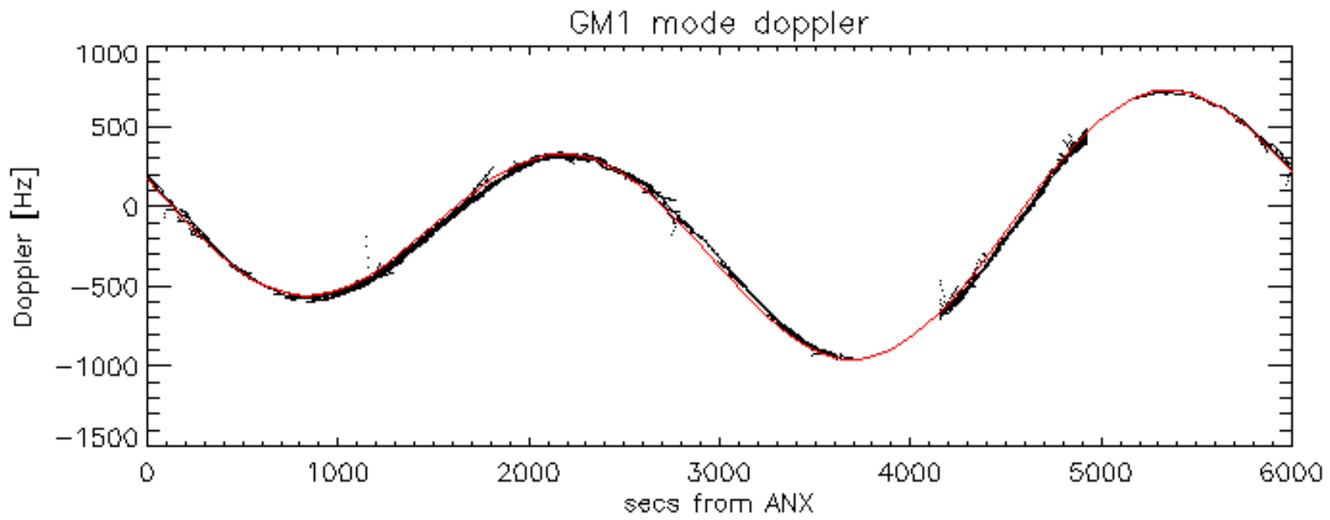
Preliminary report.The data is not yet controled

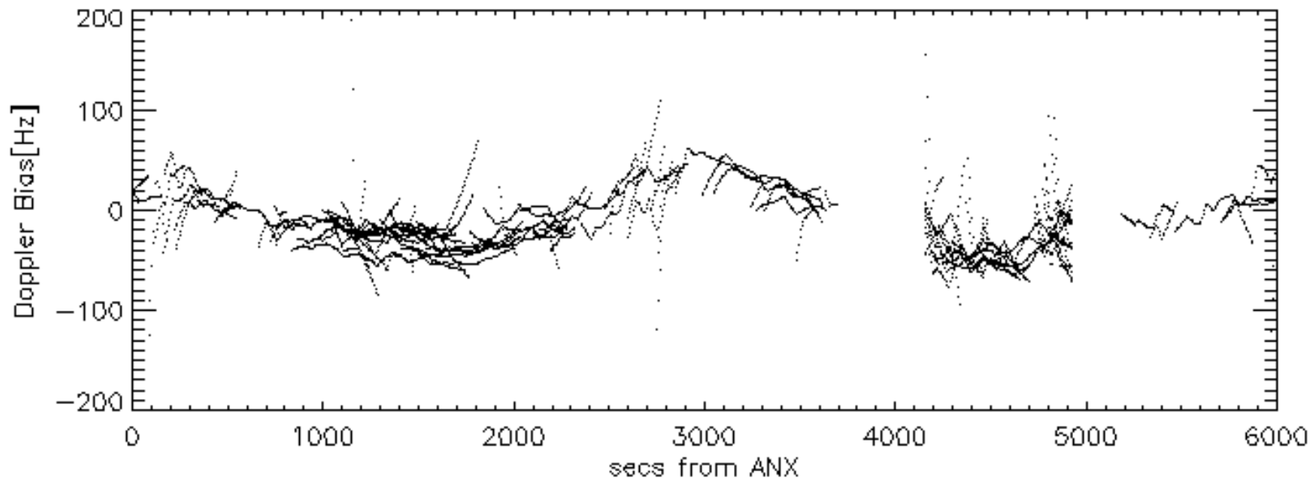

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

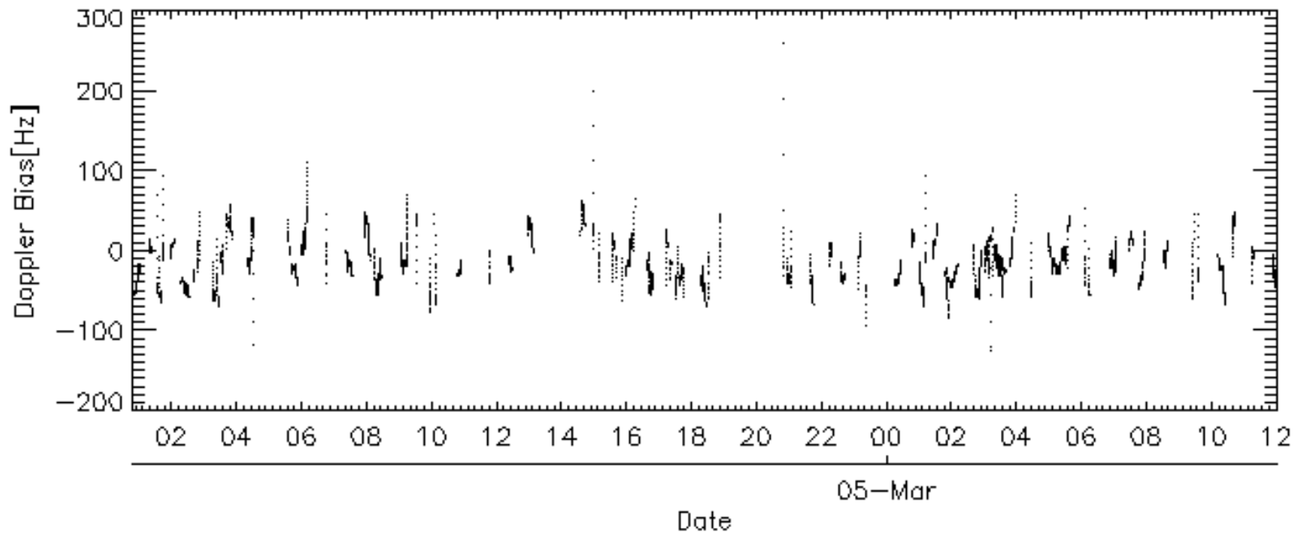

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

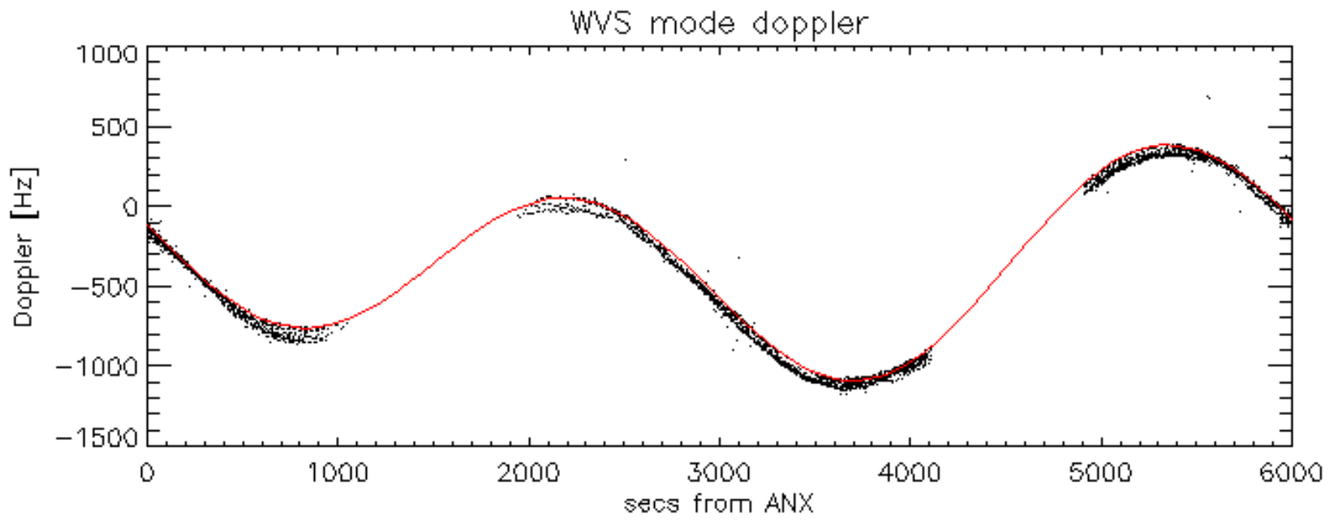

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

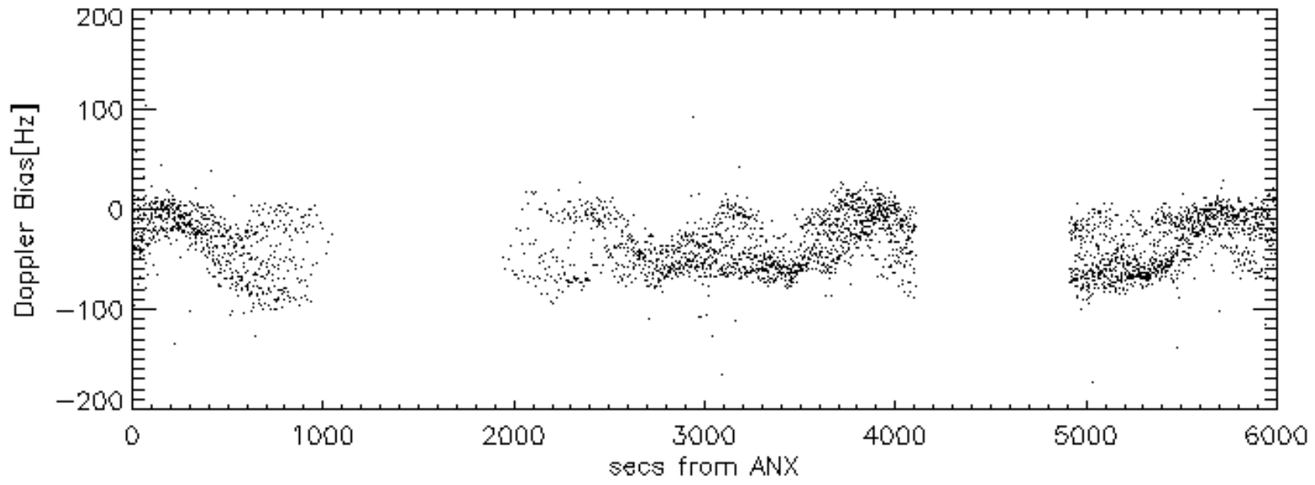

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

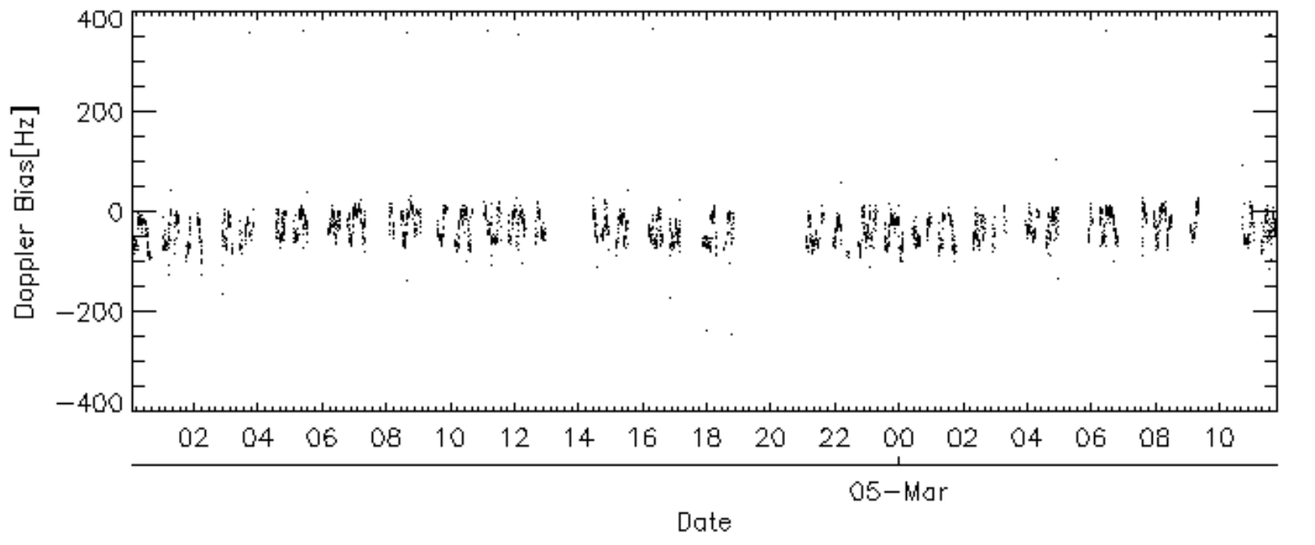

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

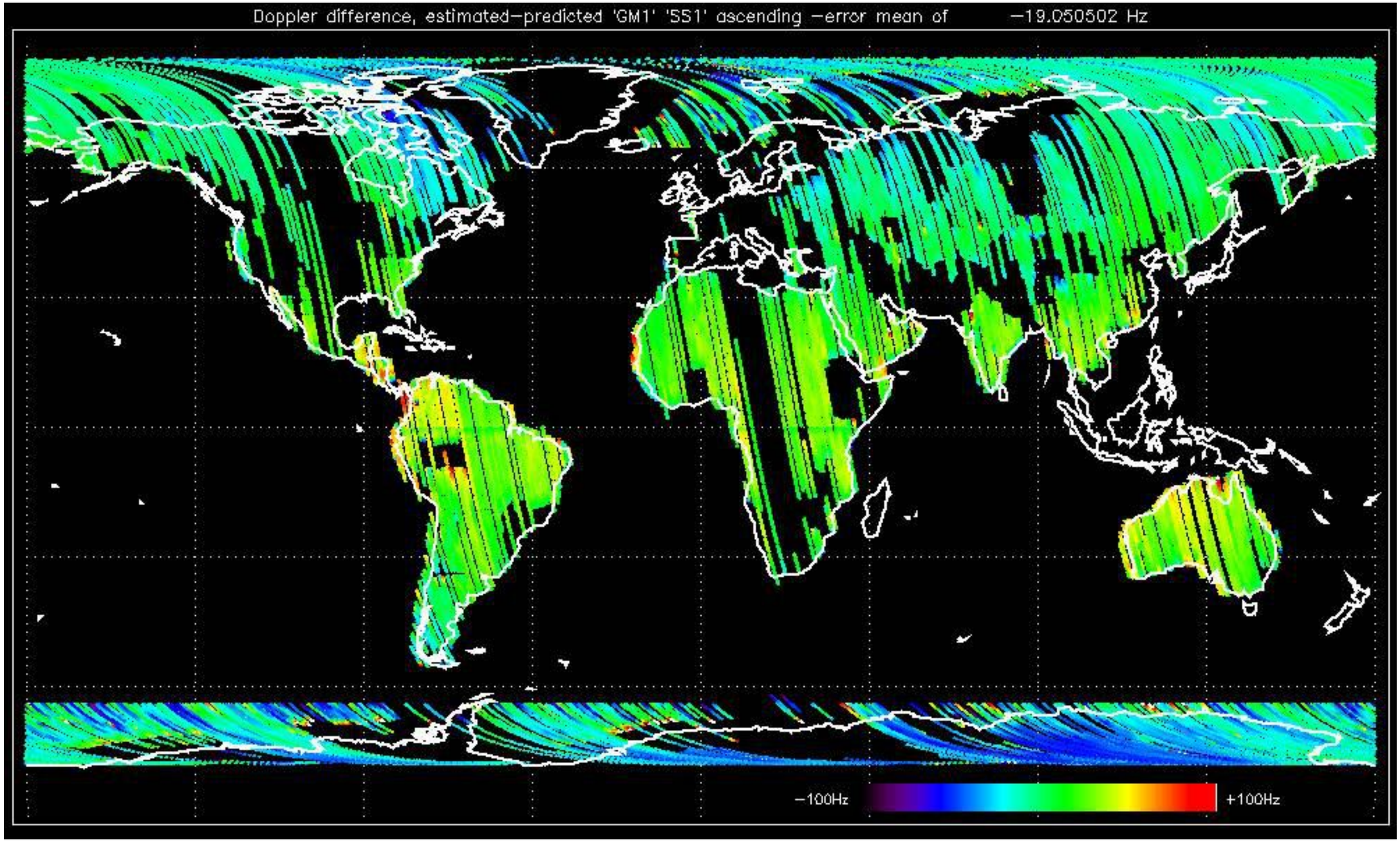

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

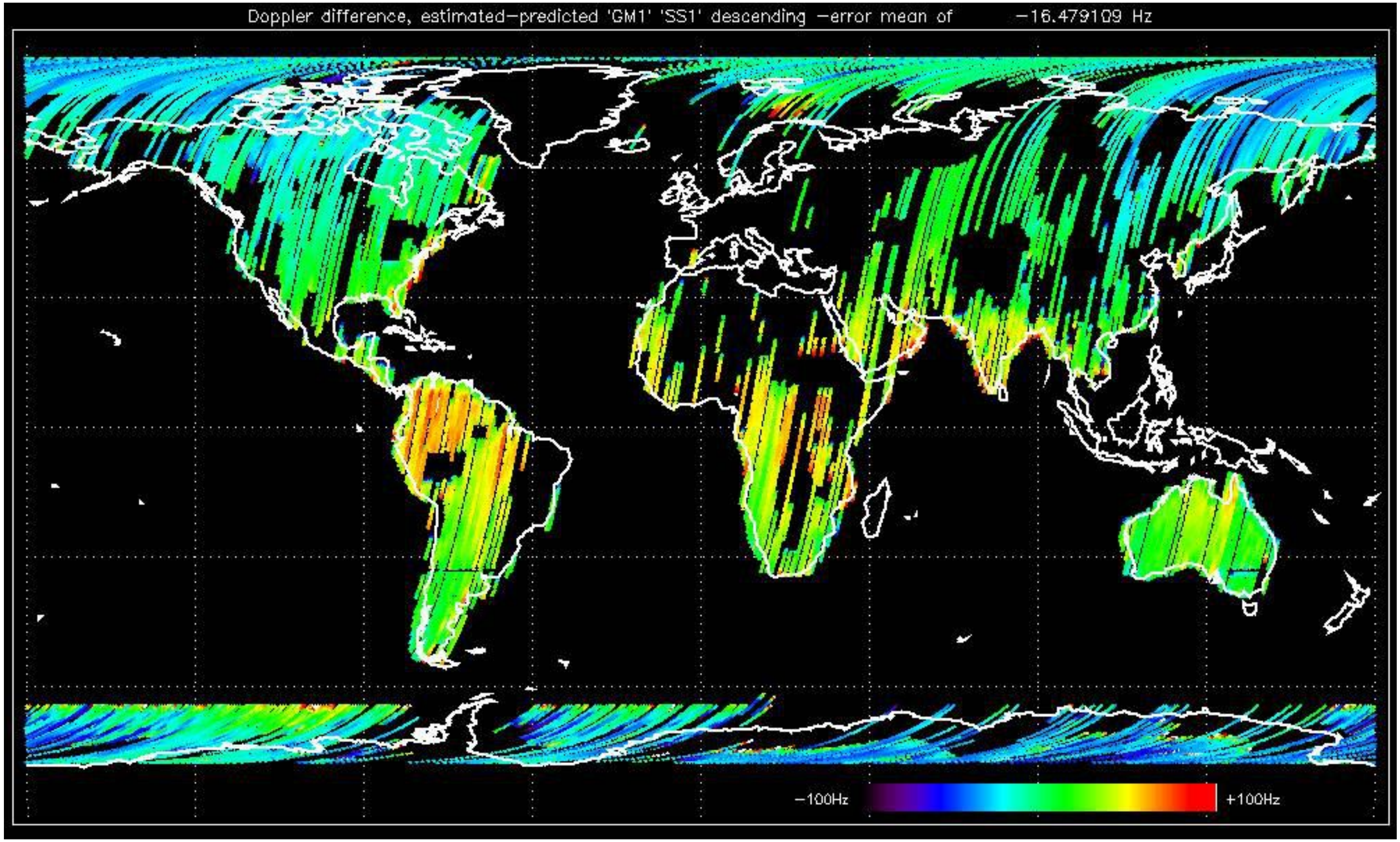

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
05−Mar
Date

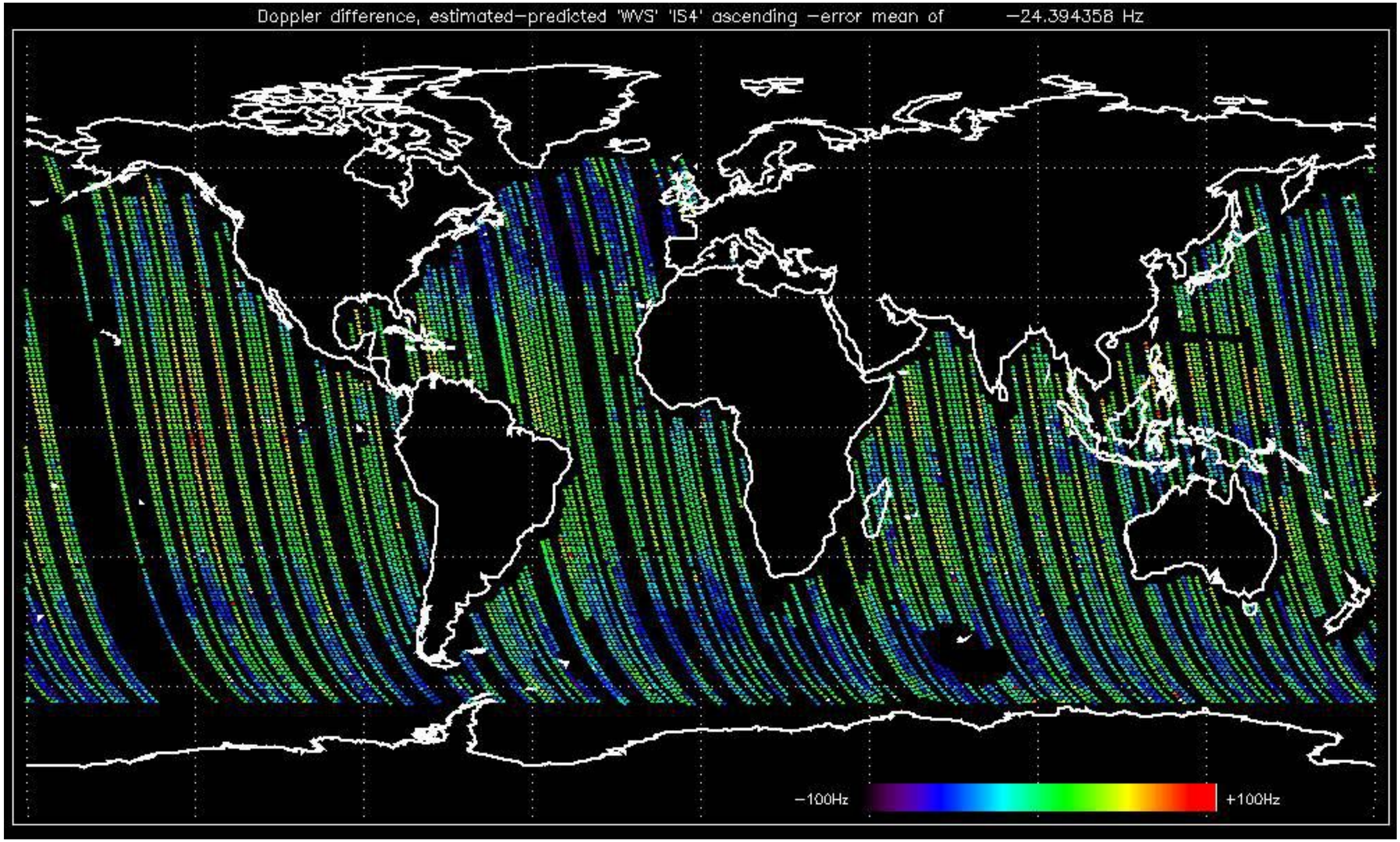

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

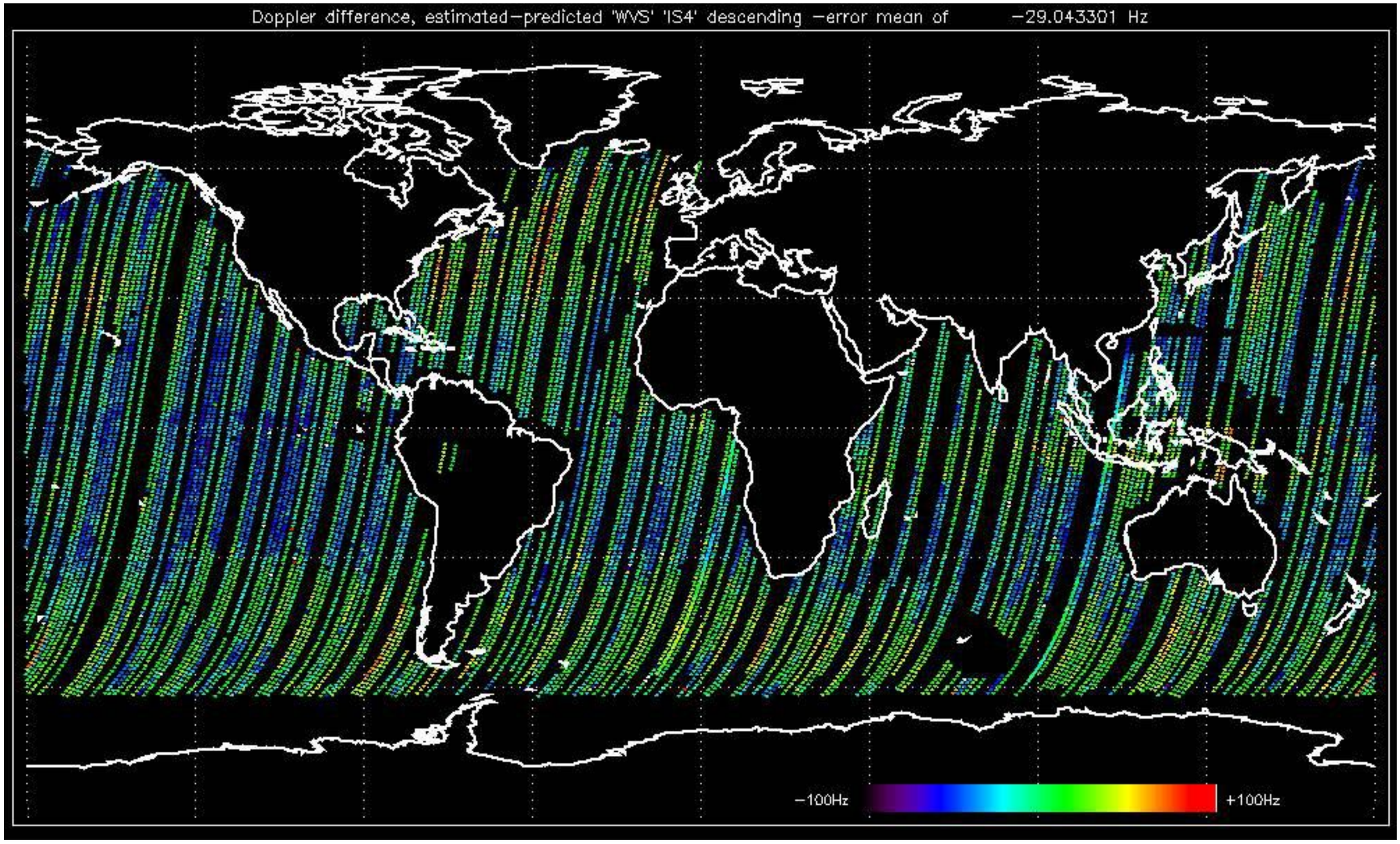

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.050502 Hz
−100Hz
+100Hz

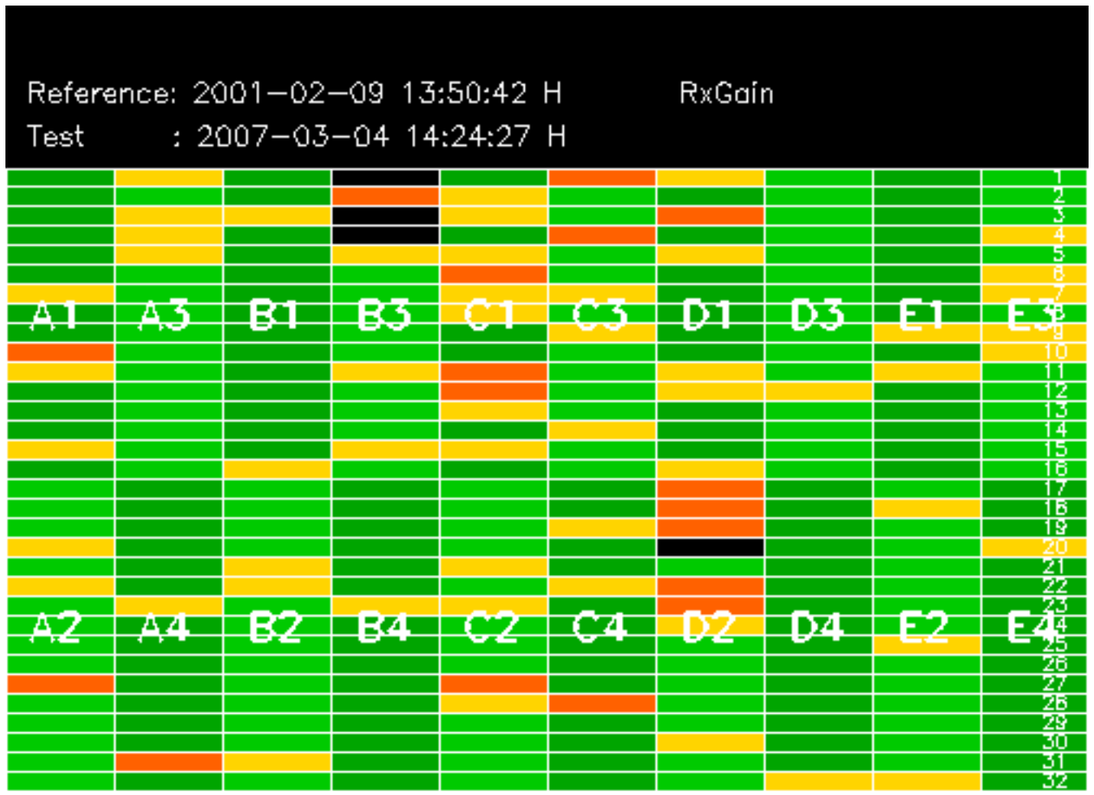

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.479109 Hz
-100Hz
+100Hz

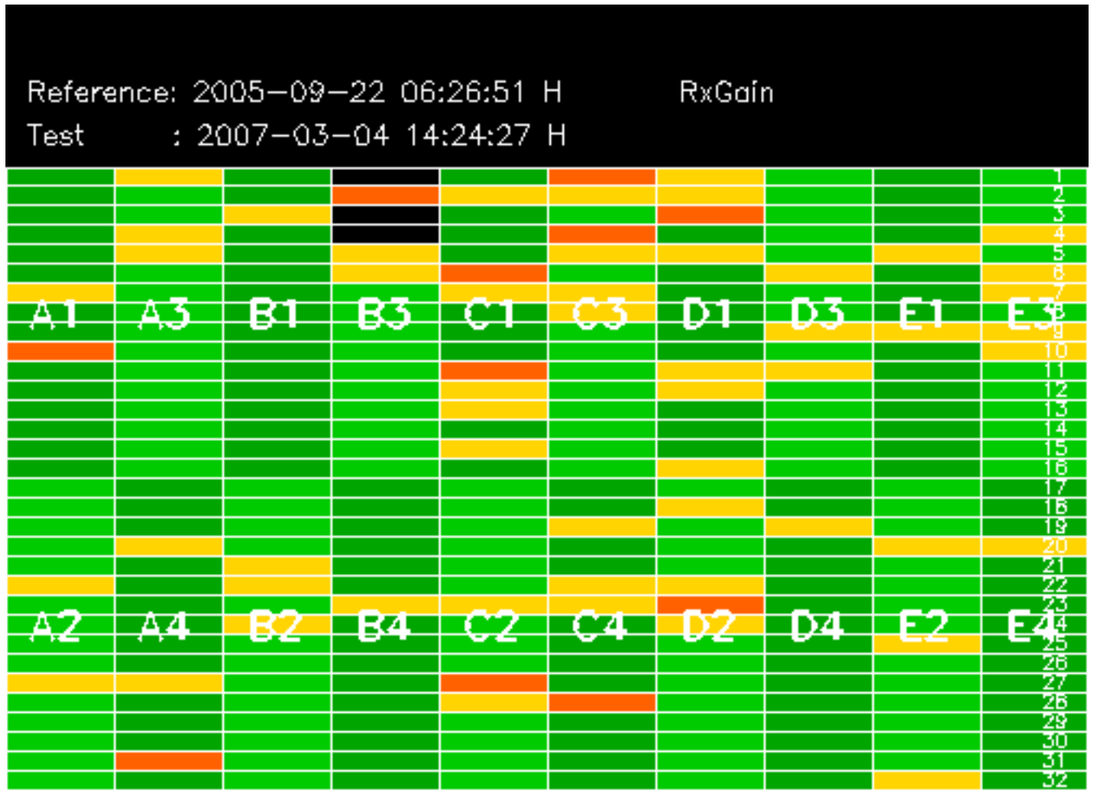

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −24.394358 Hz
−100Hz
+100Hz

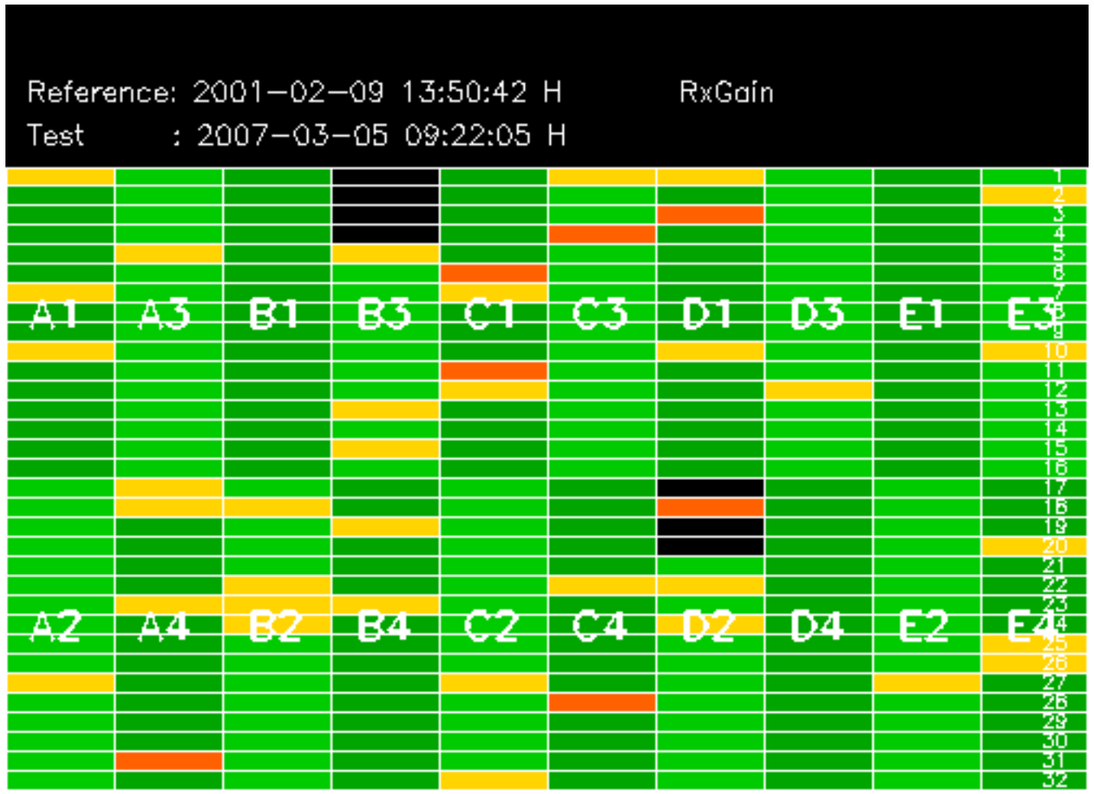

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −29.043301 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-03-04 14:24:27 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
RxGain
Test : 2007-03-04 14:24:27 H
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
RxGain
Test : 2007-03-05 09:22:05 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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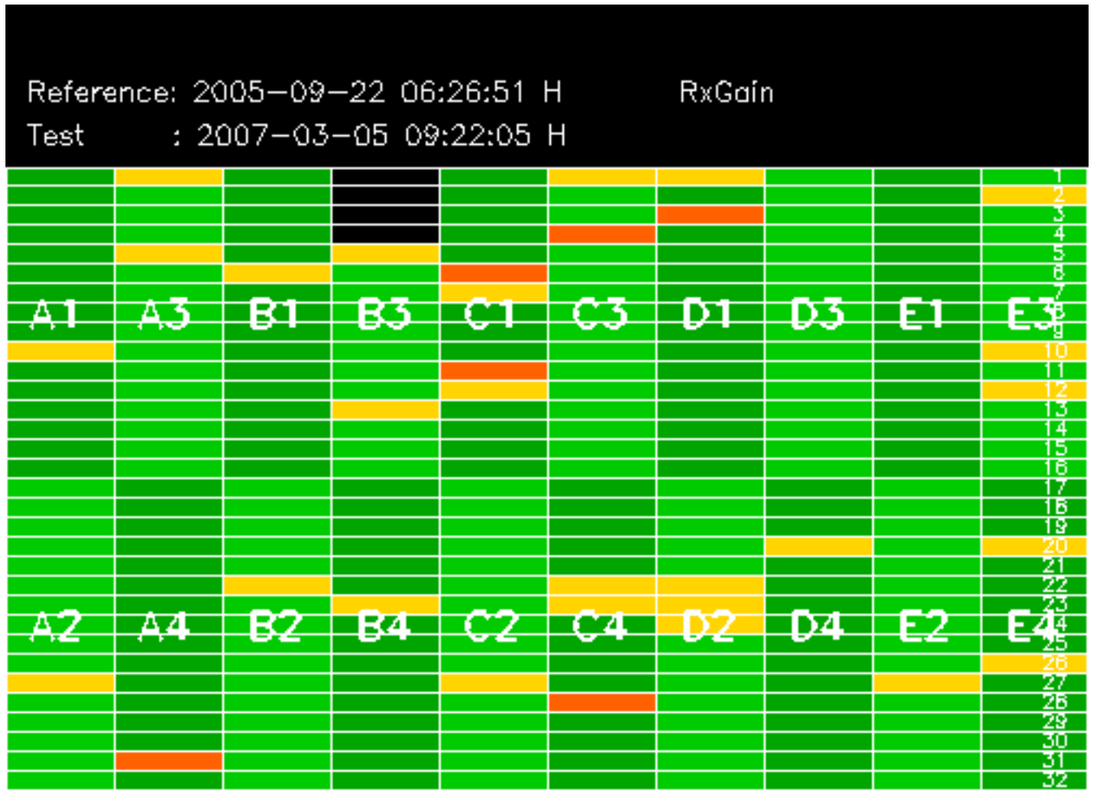
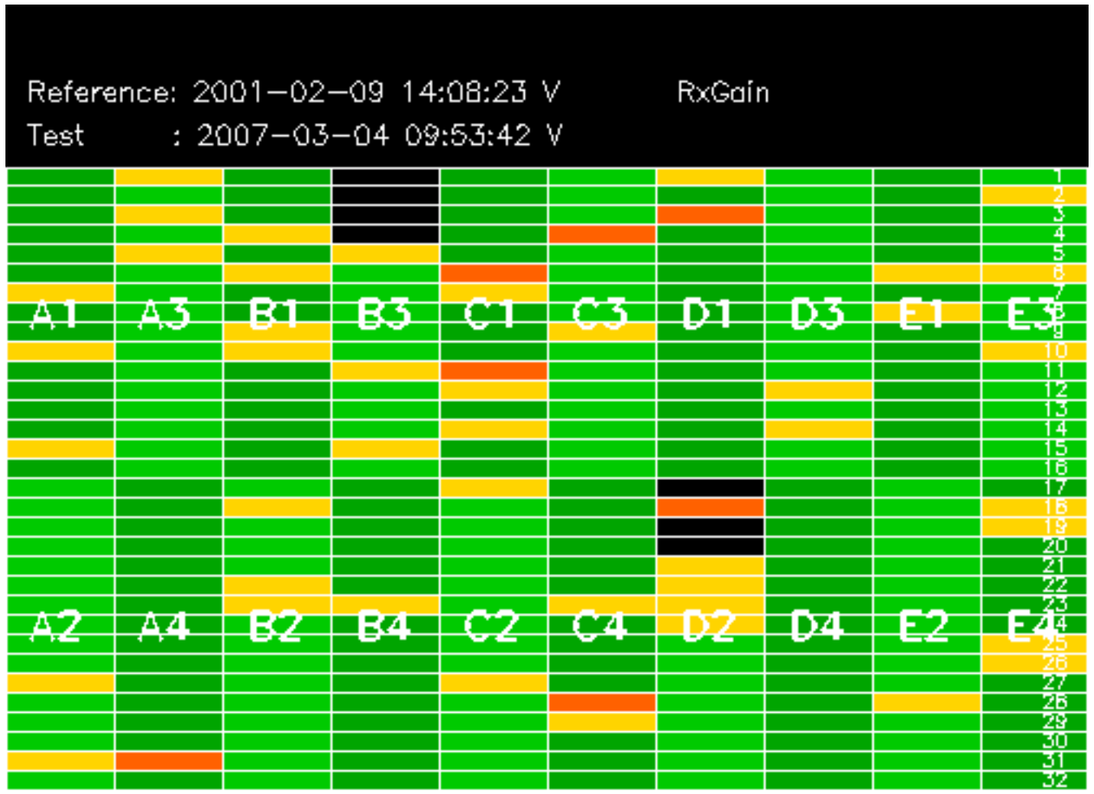
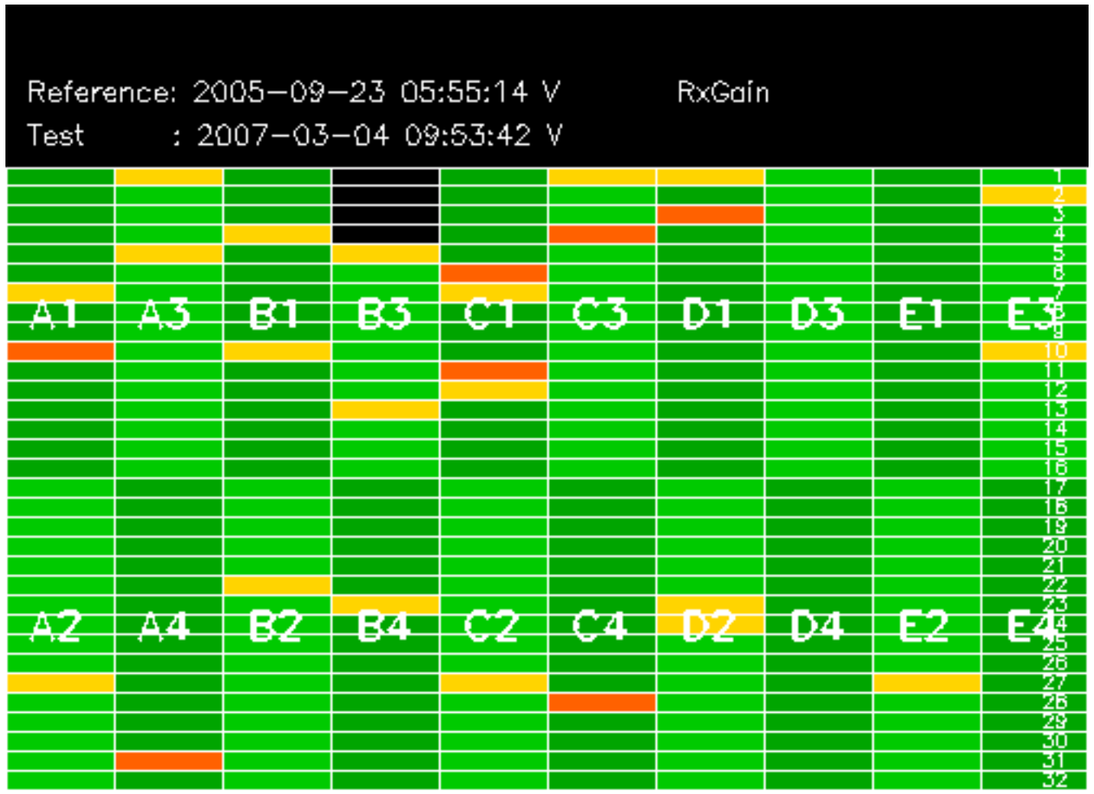

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-05 09:22:05 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 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 : 2007-03-04 09:53:42 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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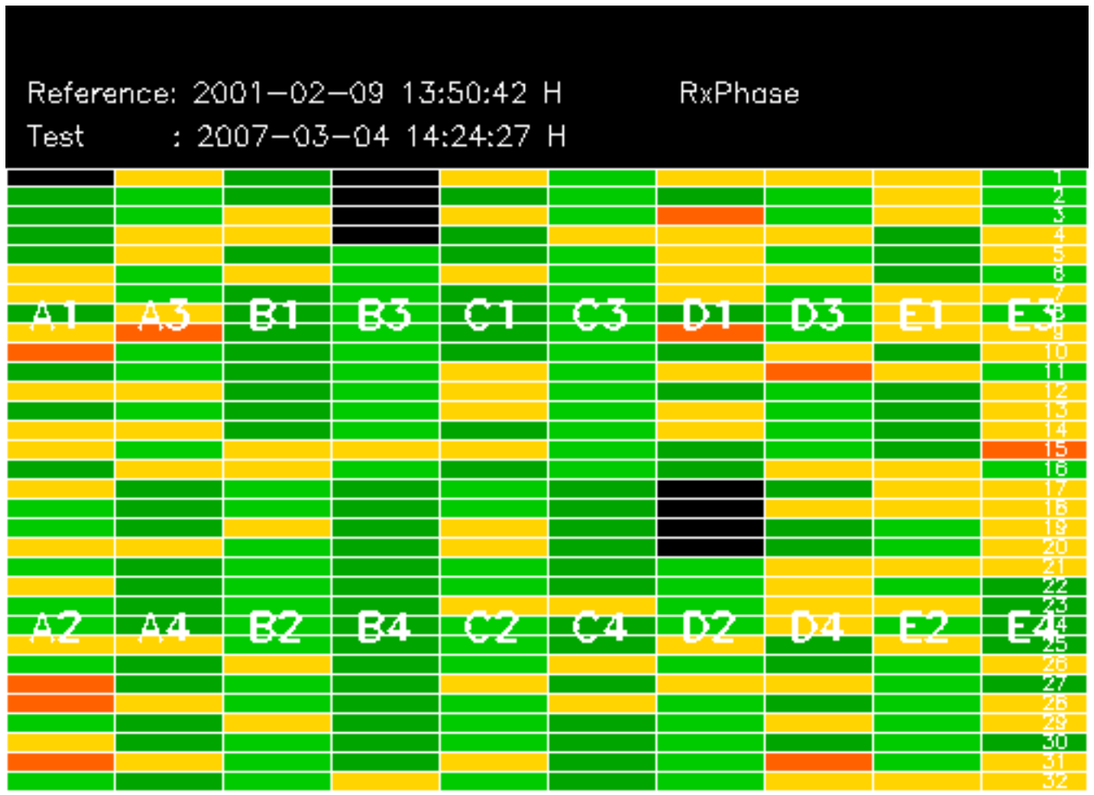
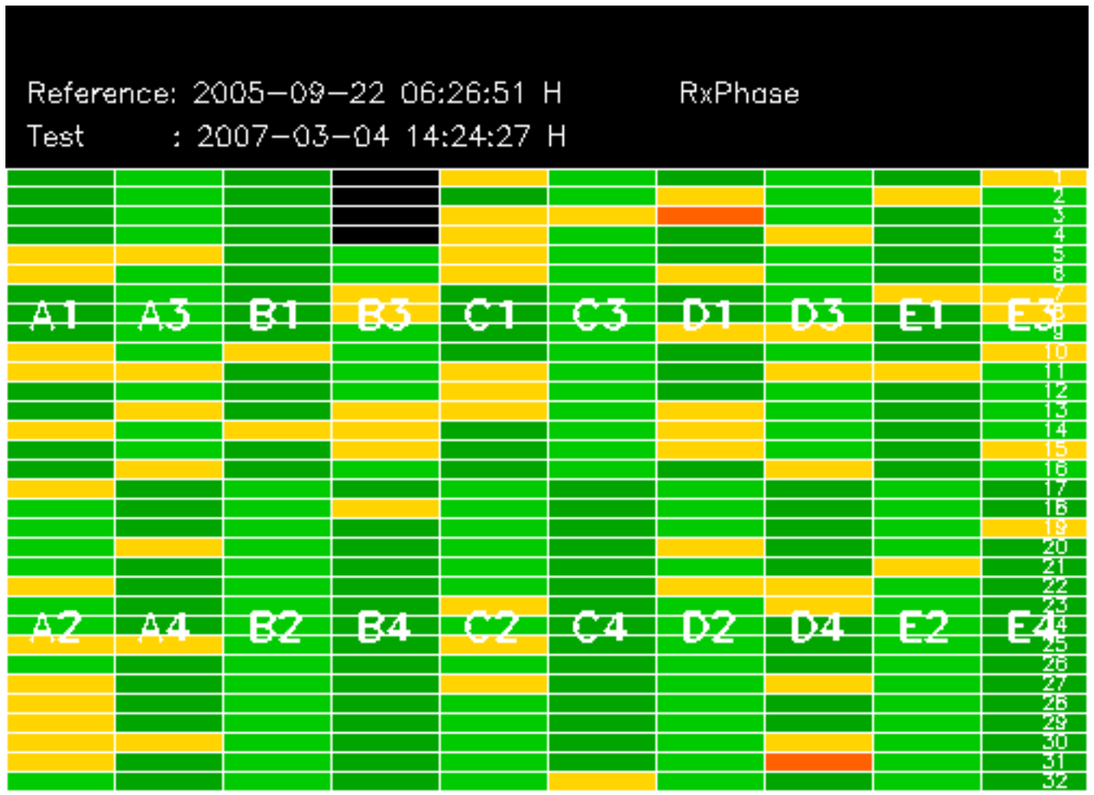
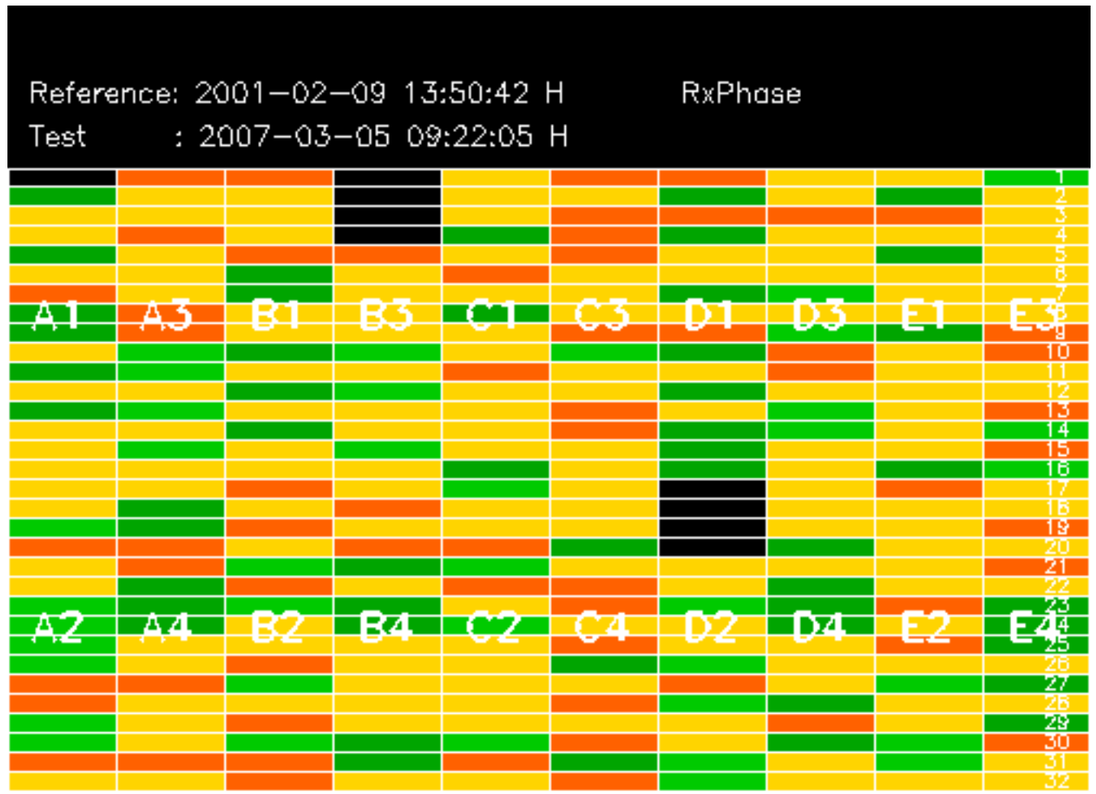
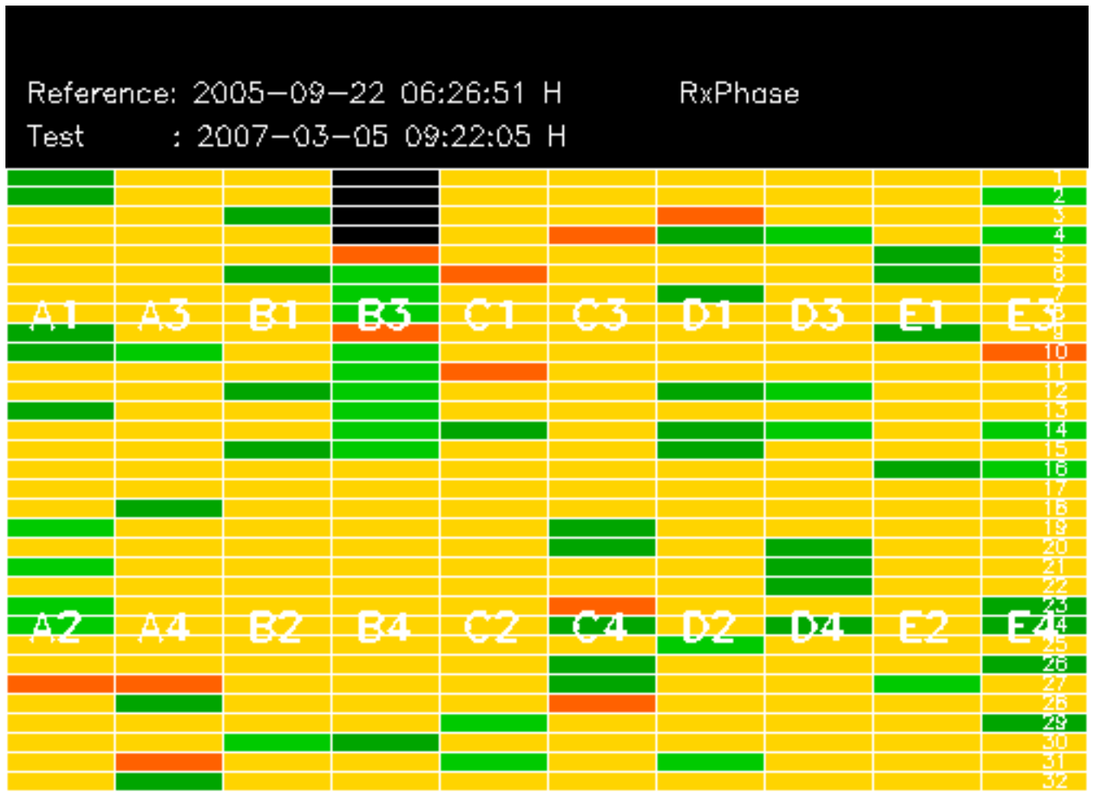
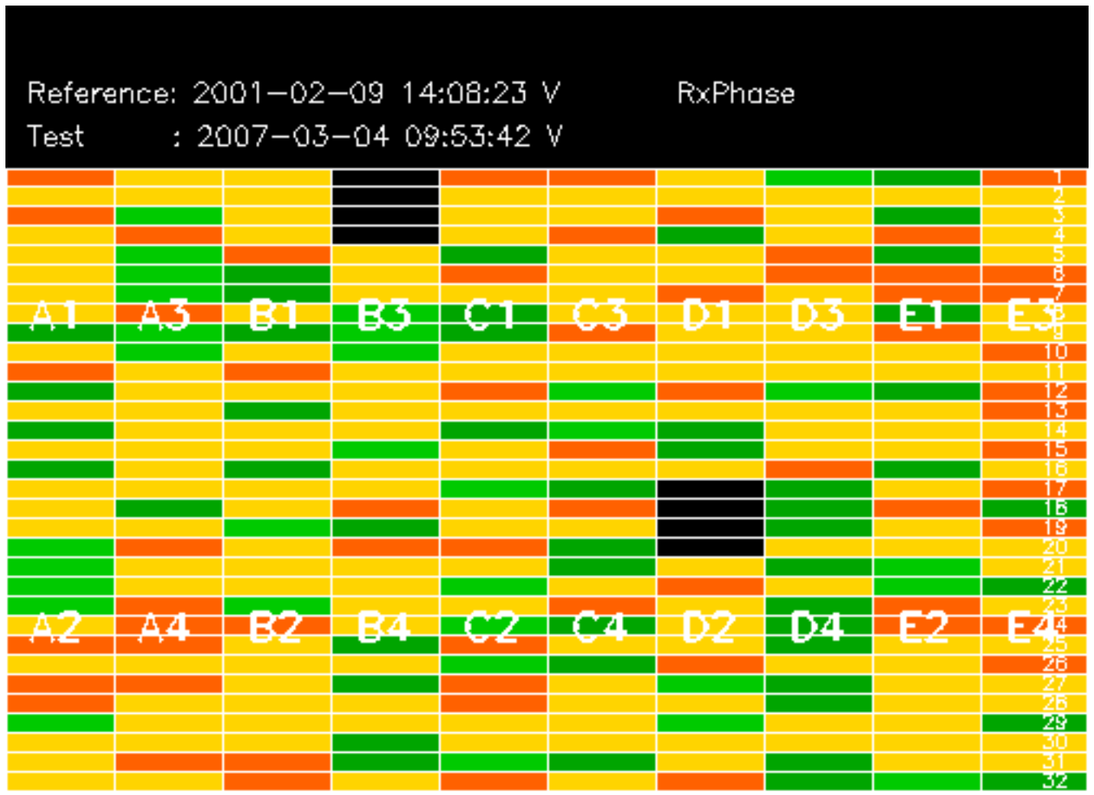
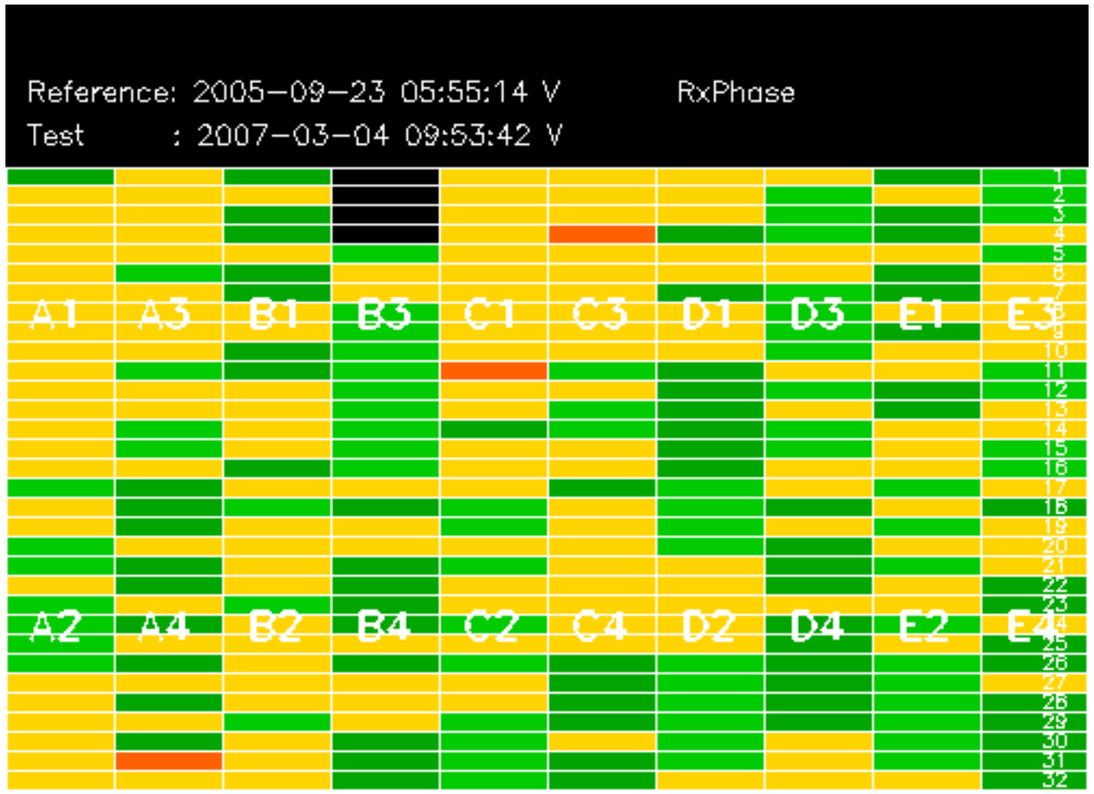

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-04 14:24:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

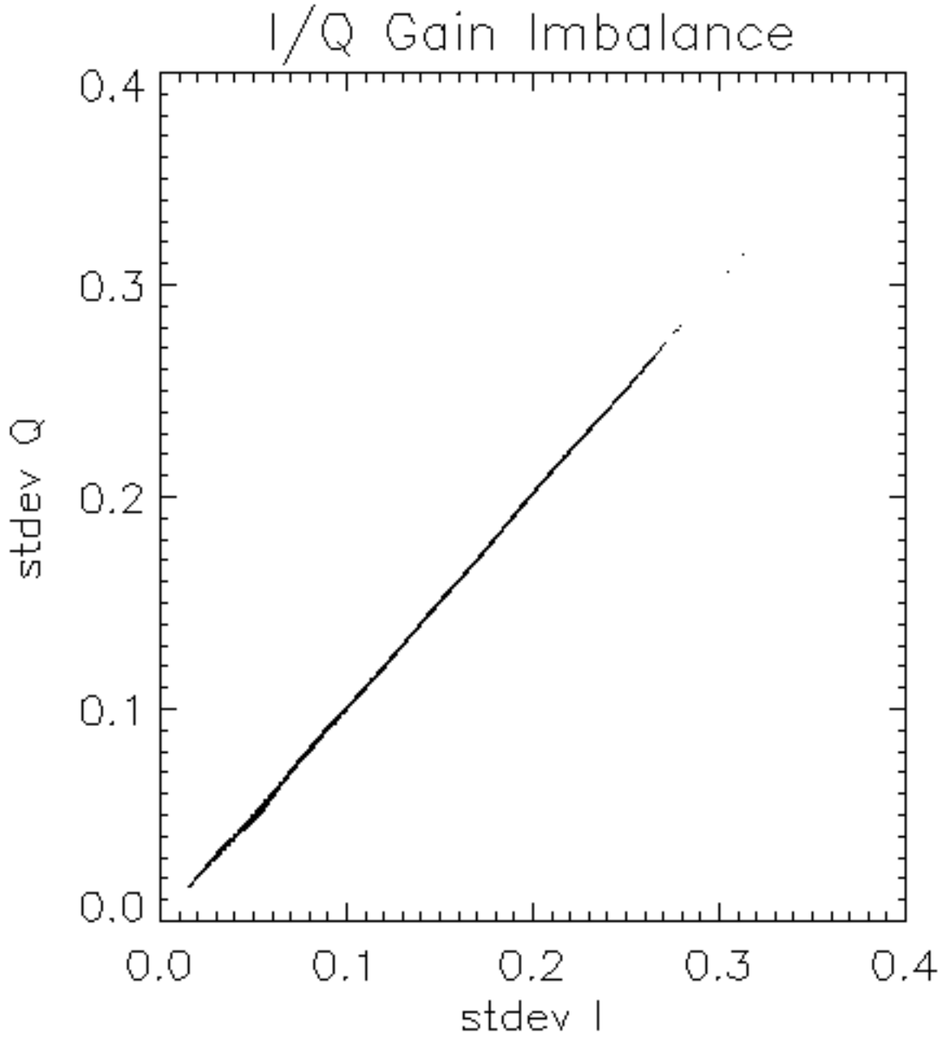

Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-04 14:24:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

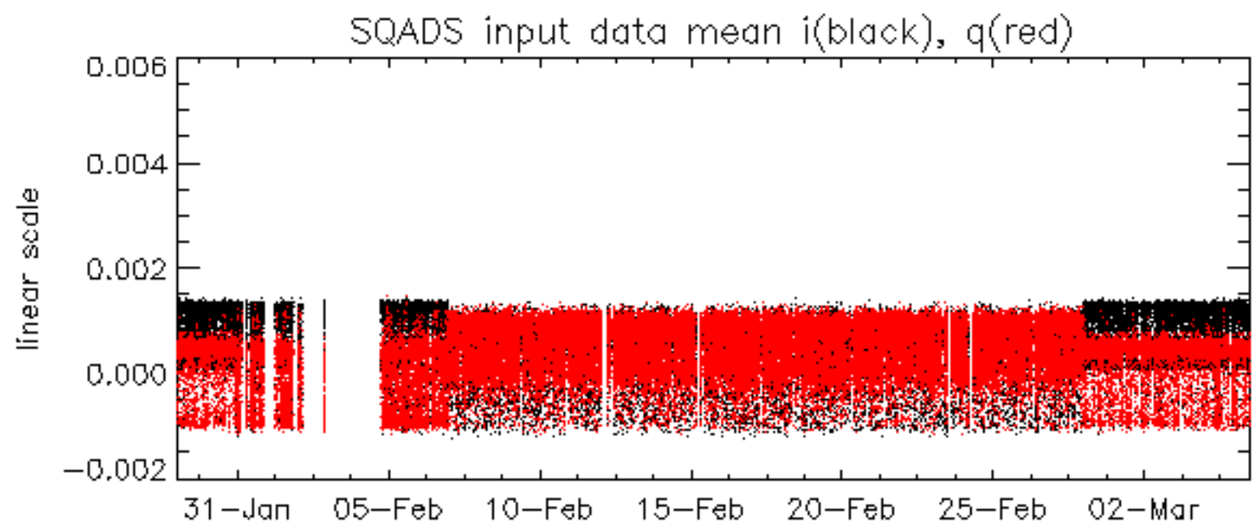

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-05 09:22:05 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

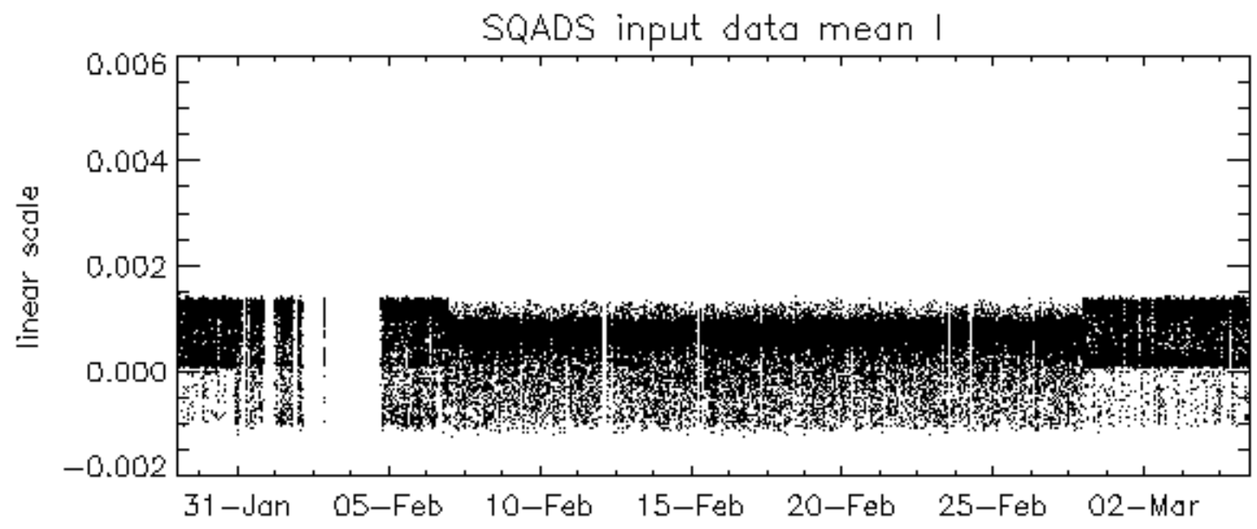

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-05 09:22:05 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

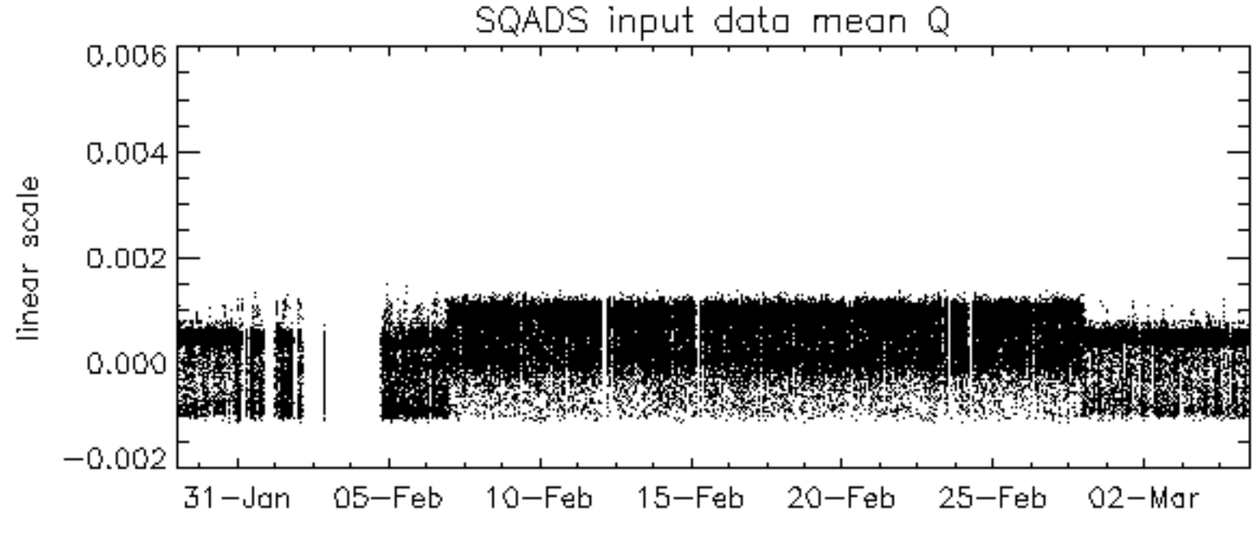

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

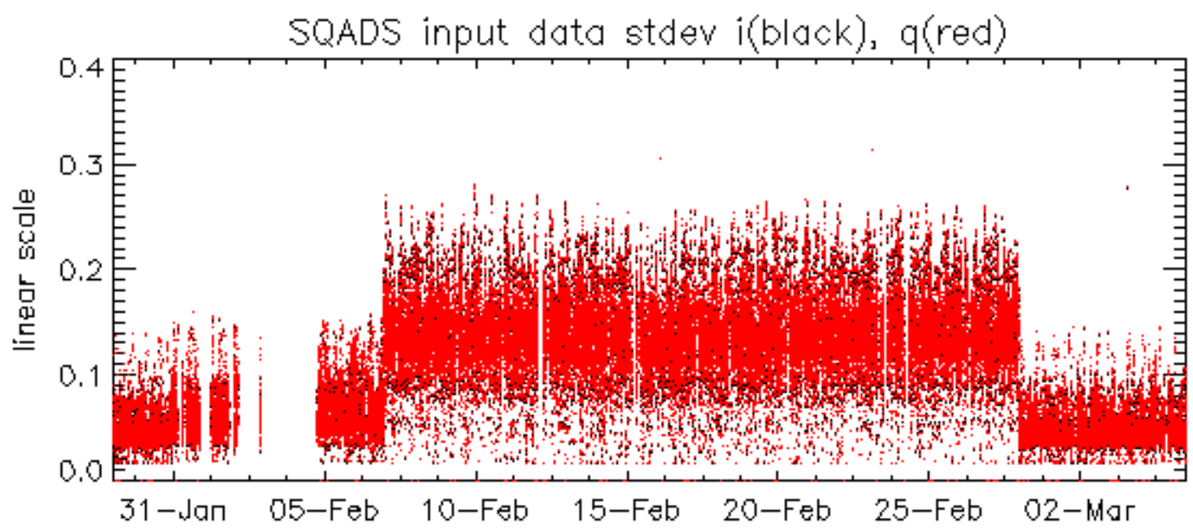

Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

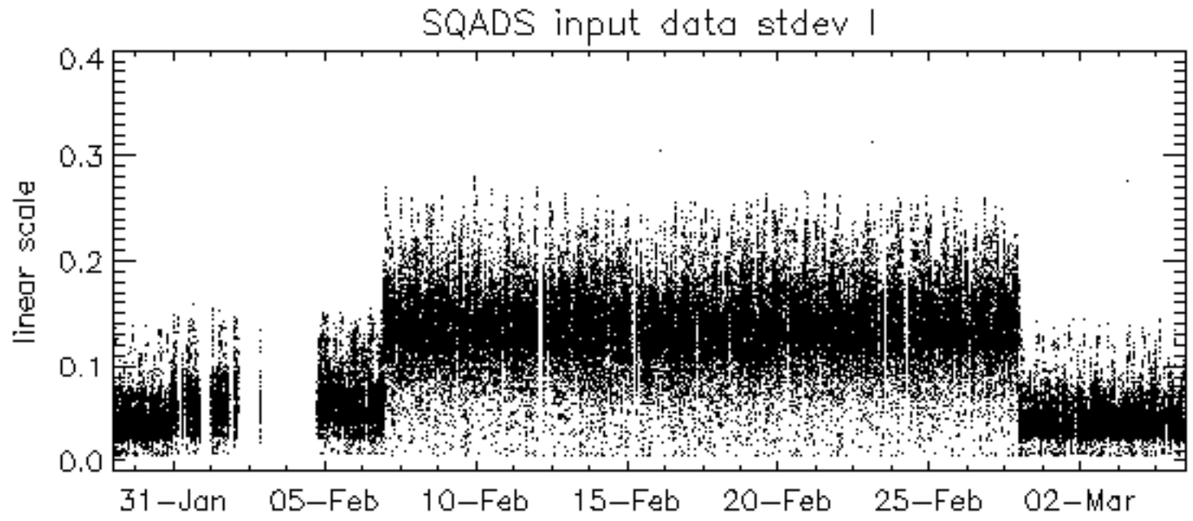

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

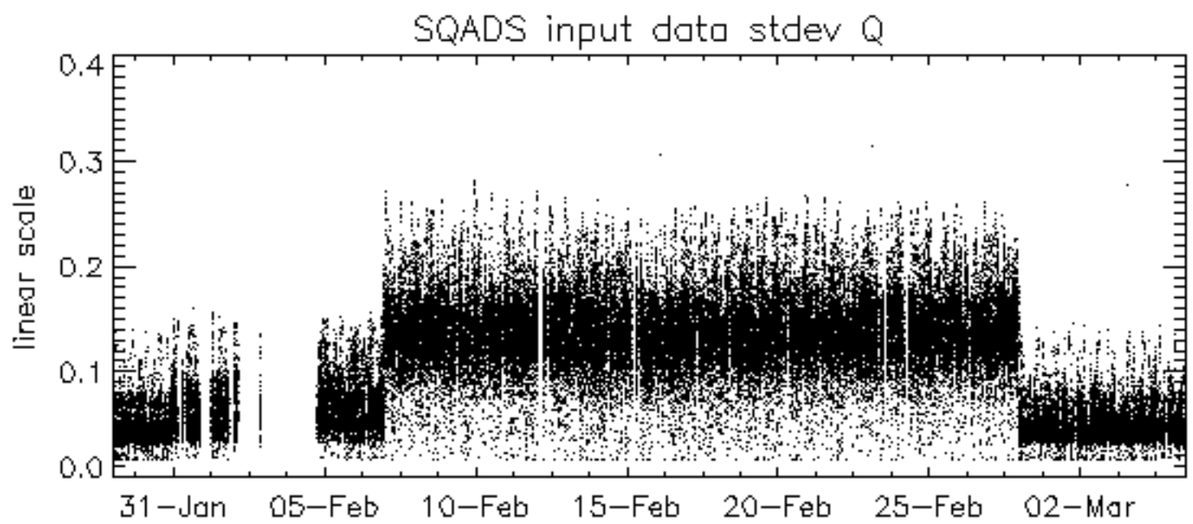

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar

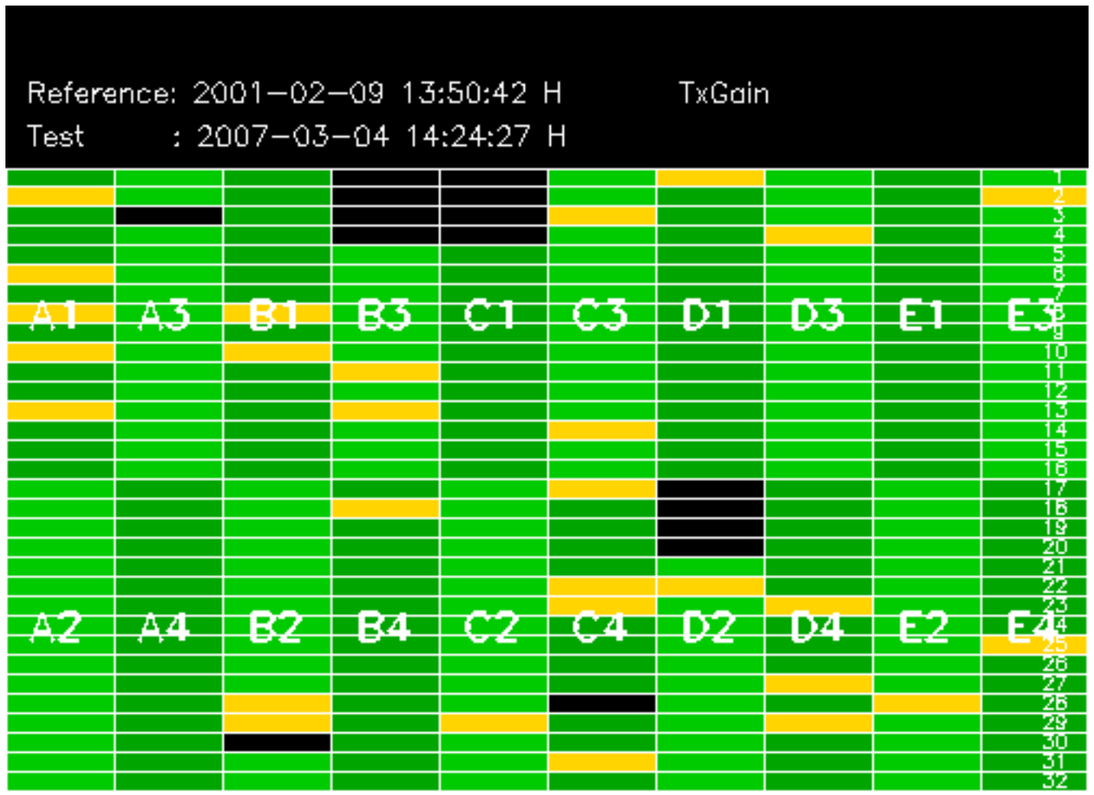

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-04 14:24:27 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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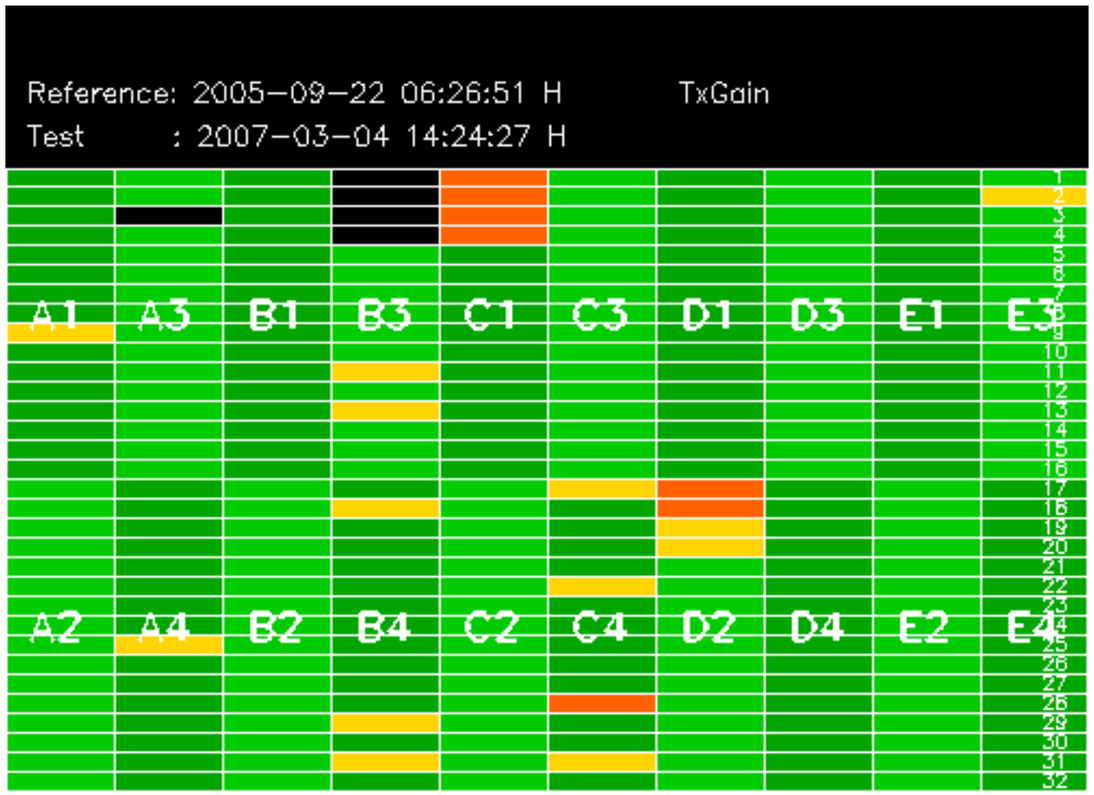
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-04 14:24:27 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
E2
E4
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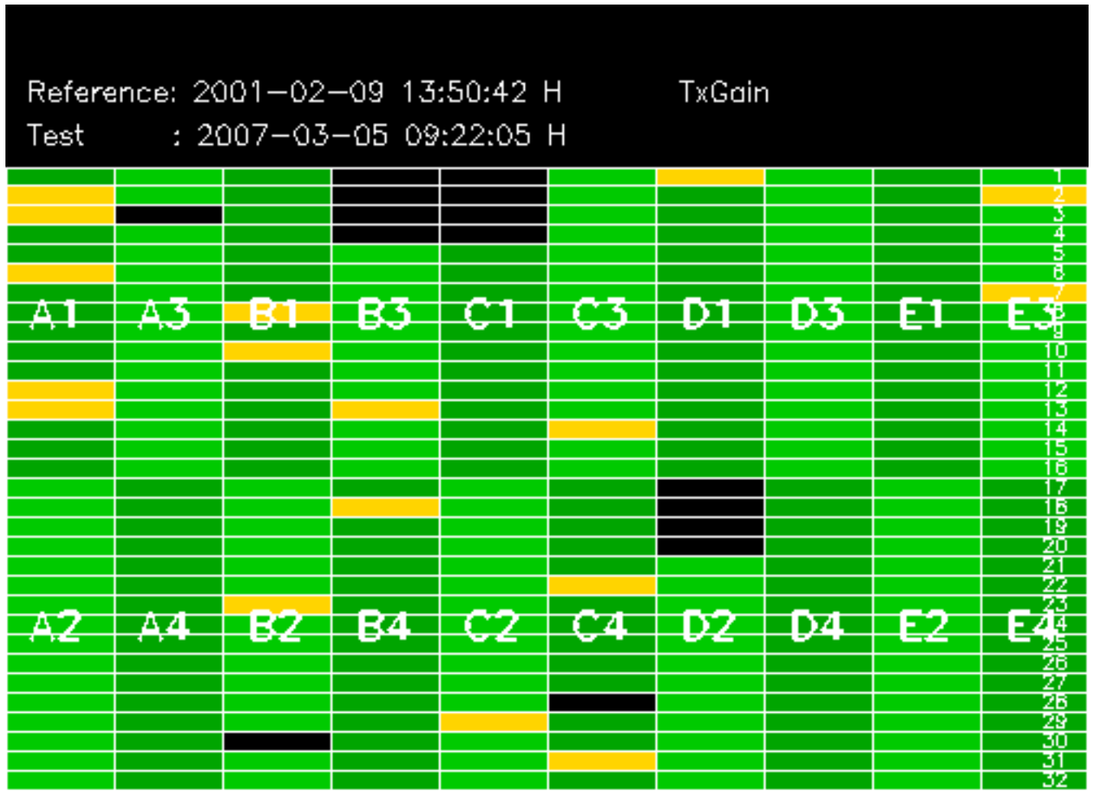
Reference: 2001-02-09 13:50:42 H
Test : 2007-03-05 09:22:05 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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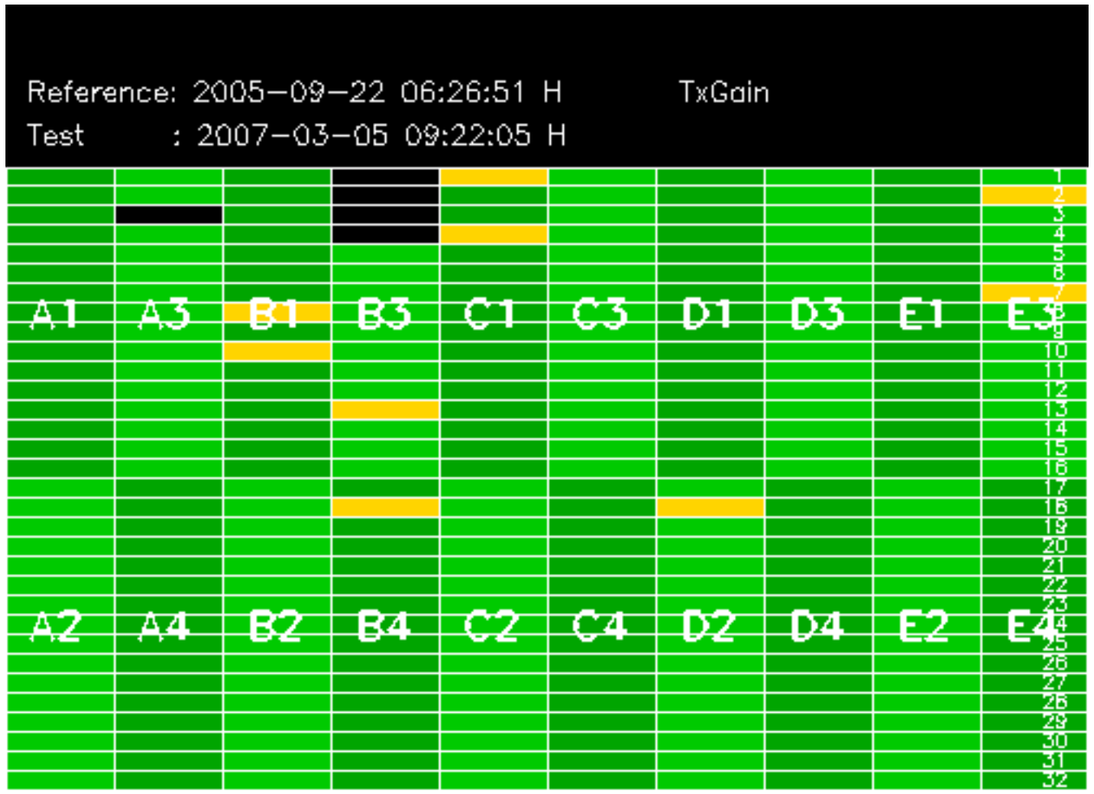
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-05 09:22:05 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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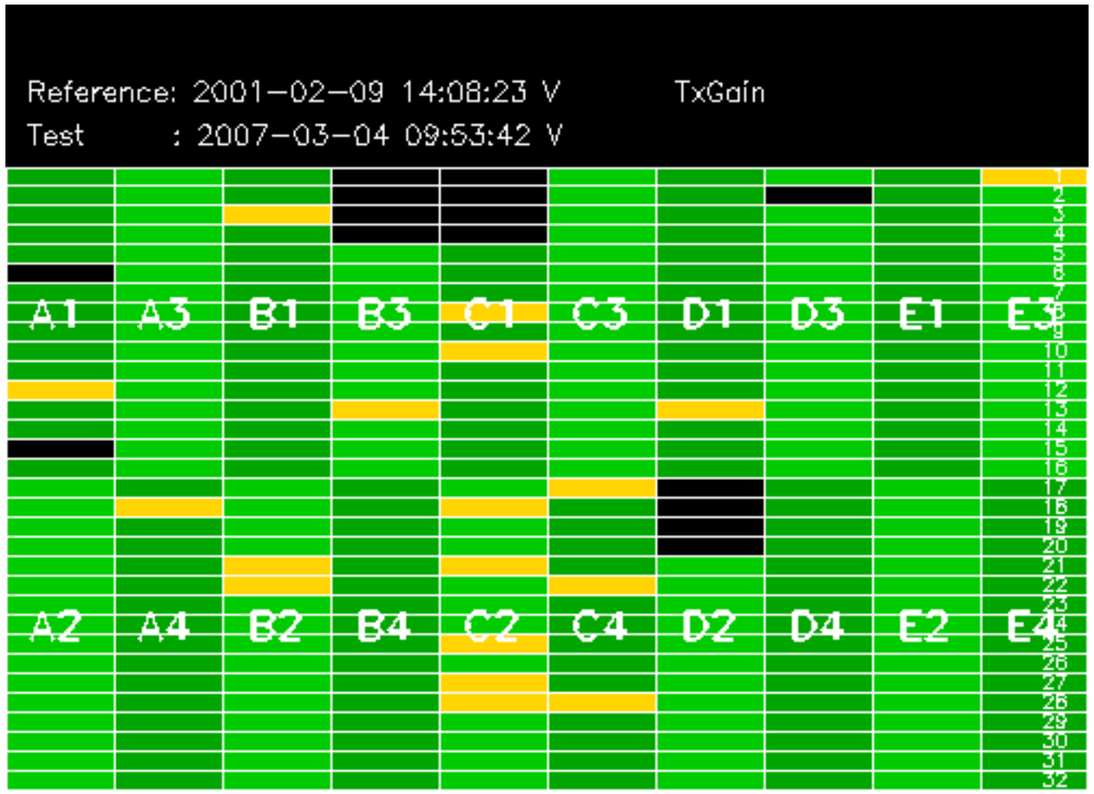
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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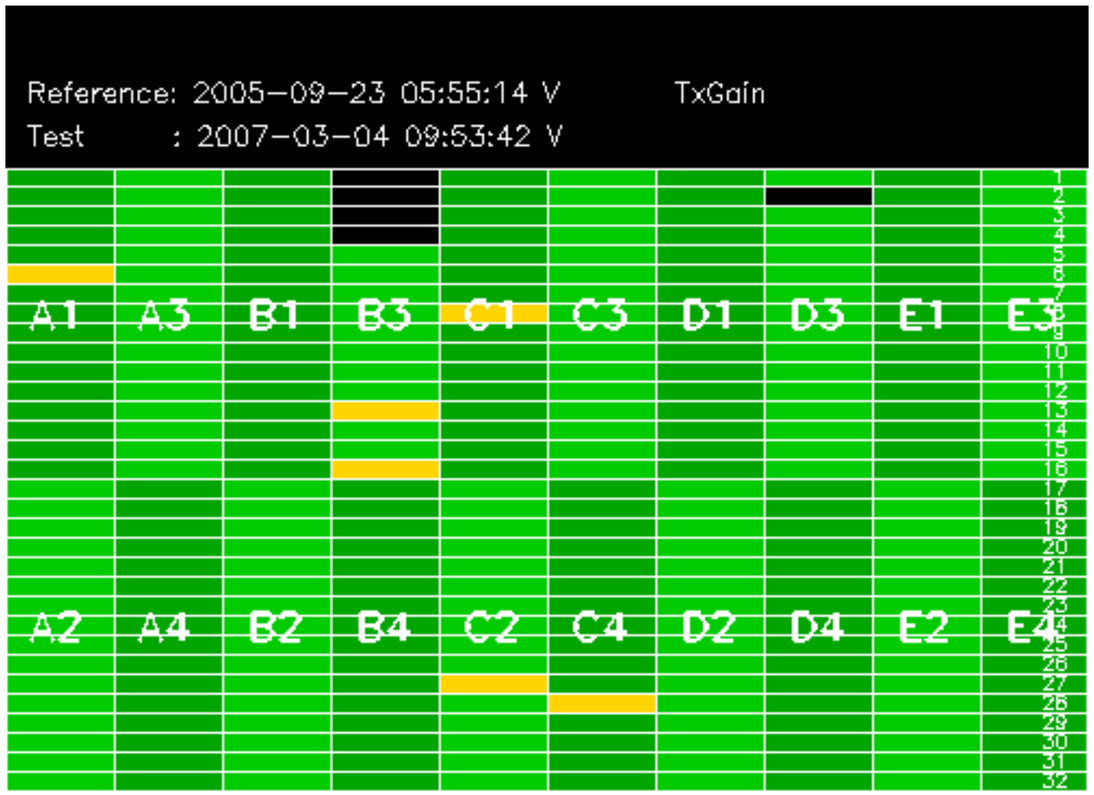
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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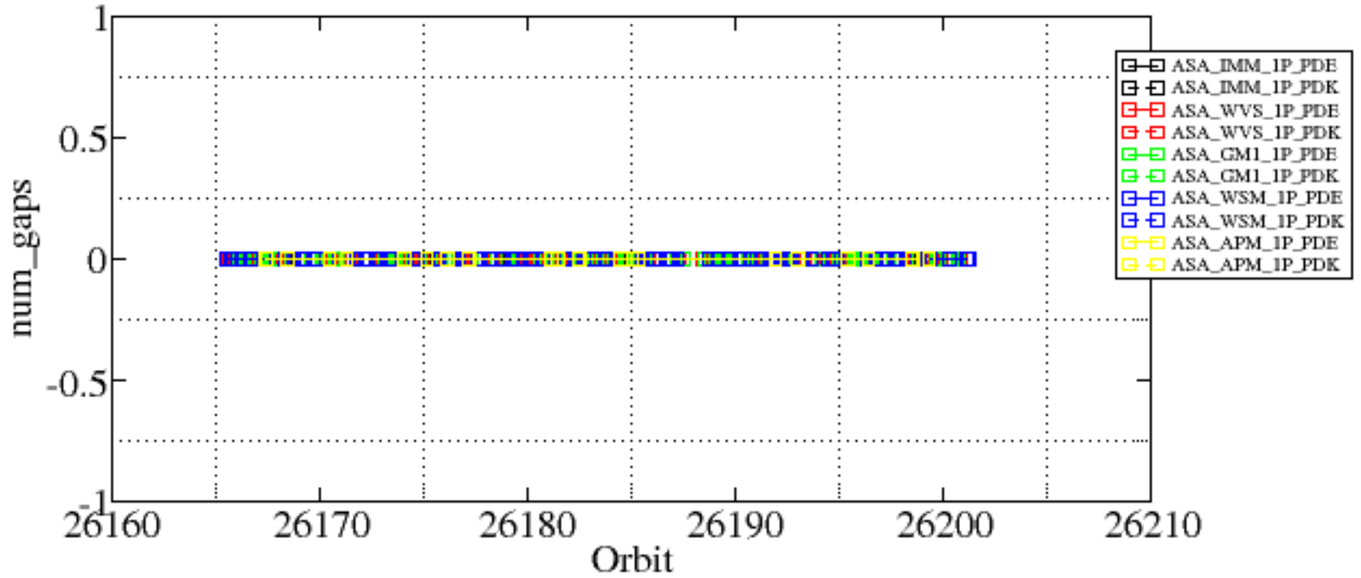
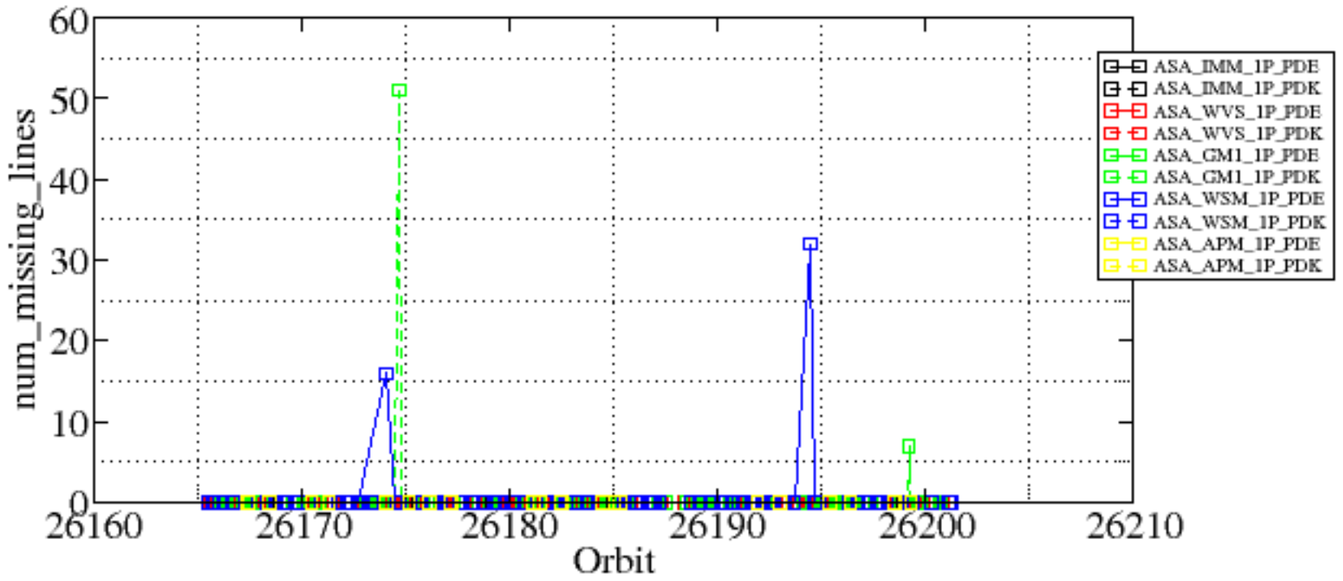
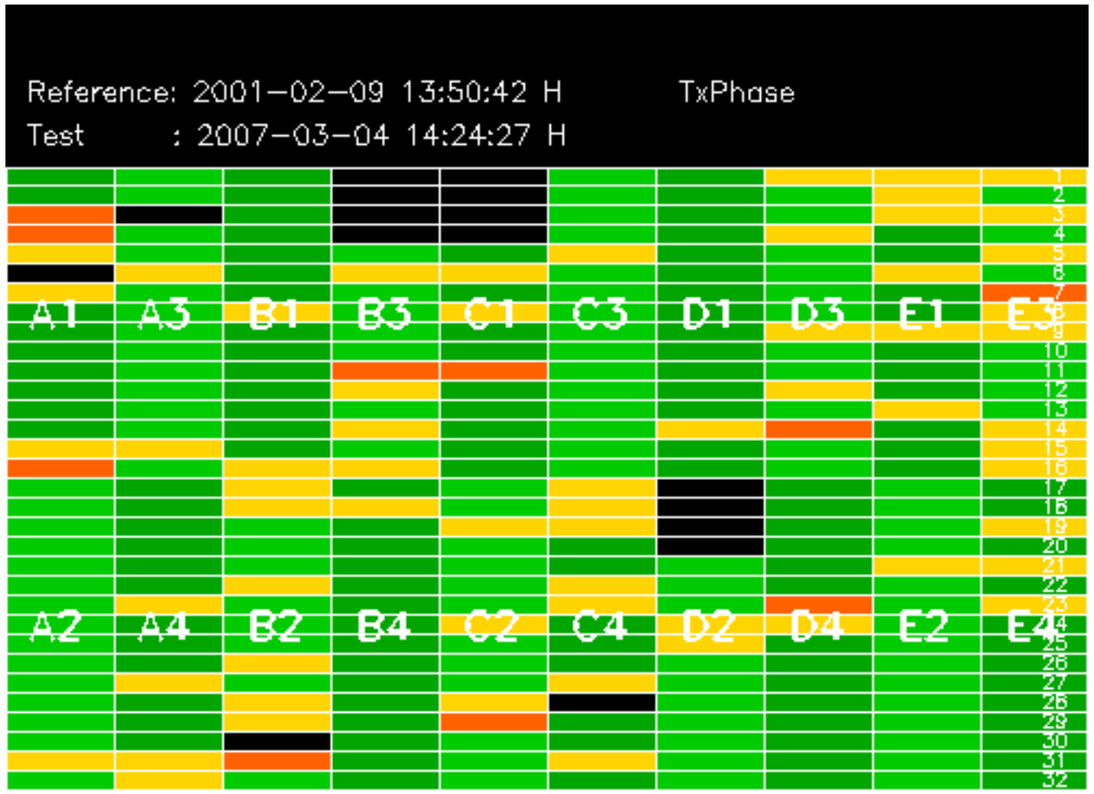
Summary of analysis for the last 3 days 2007030[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20070303_153003_000002712056_00068_26174_5060.N1 </td> <td>0 </td> <td>51 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070305_083800_000004282056_00093_26199_6587.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070303_142340_000000852056_00068_26174_9241.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070305_003950_000002632056_00088_26194_1182.N1 </td> <td>0 </td> <td>32 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
26160
26170
26180
26190
26200
26210
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
Orbit
60
50
40
30
20
10
0
26160
26170
26180
26190
26200
26210
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
TxPhase
Test : 2007-03-04 14:24:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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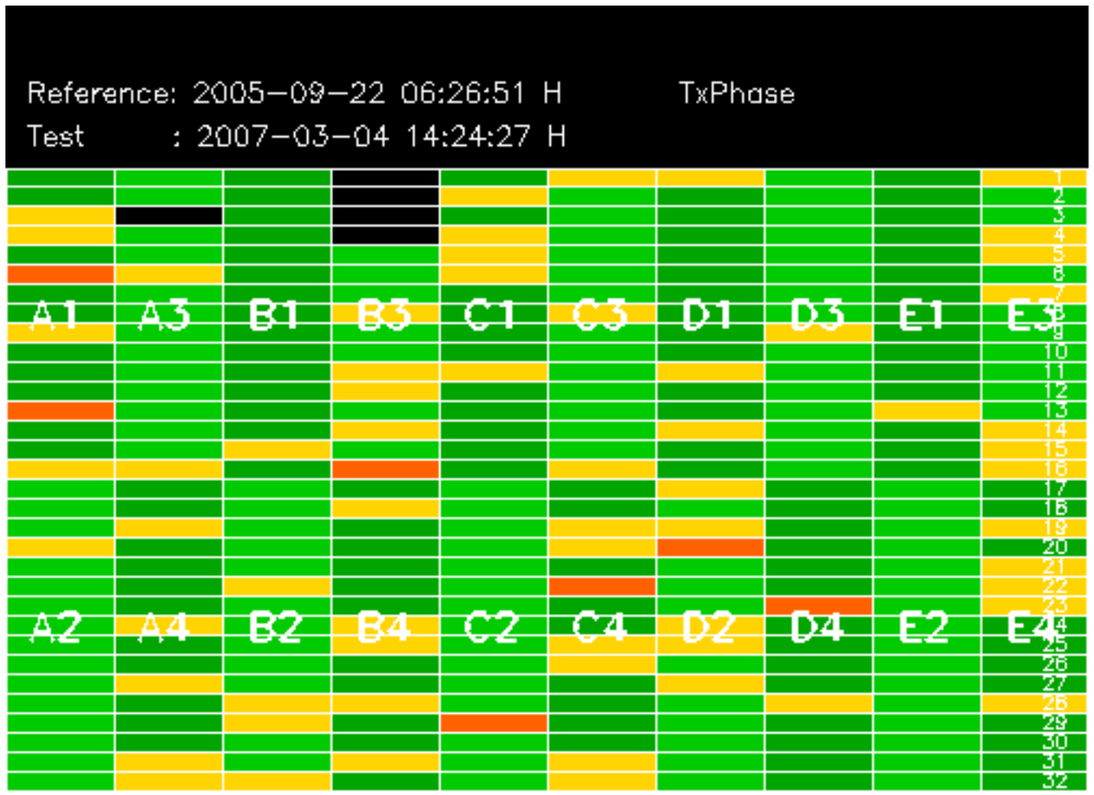
Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-03-04 14:24:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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31
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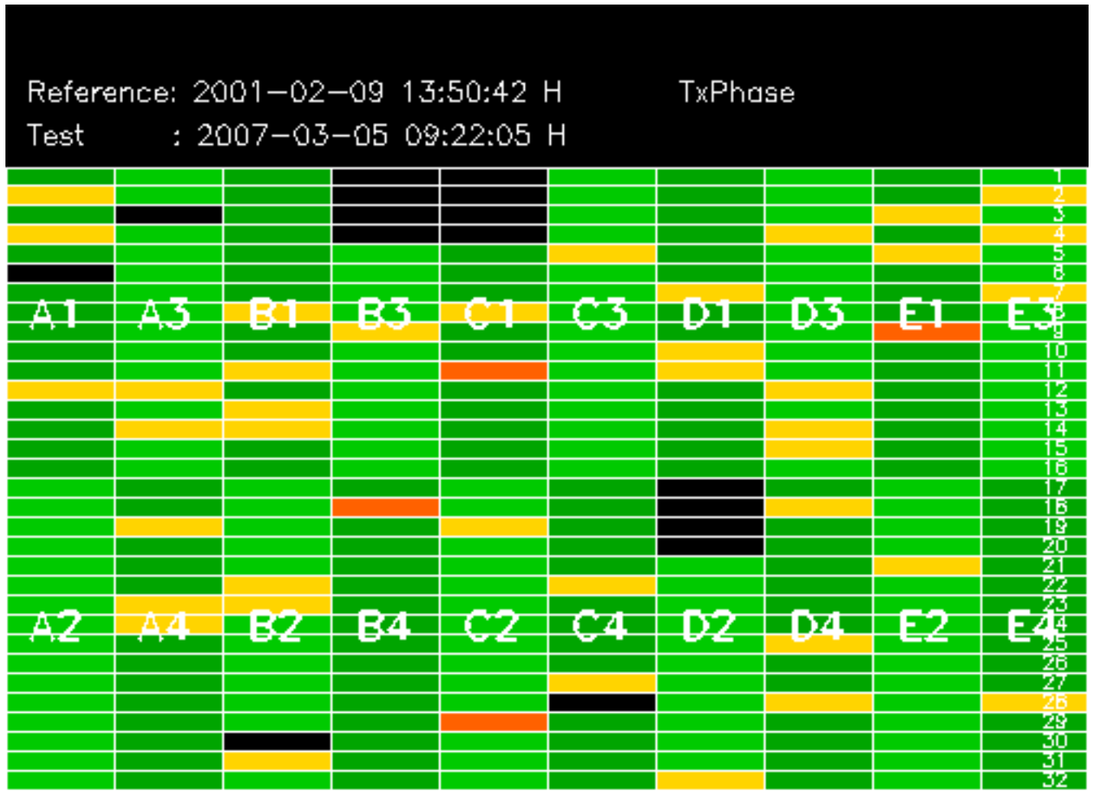
Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-03-05 09:22:05 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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8
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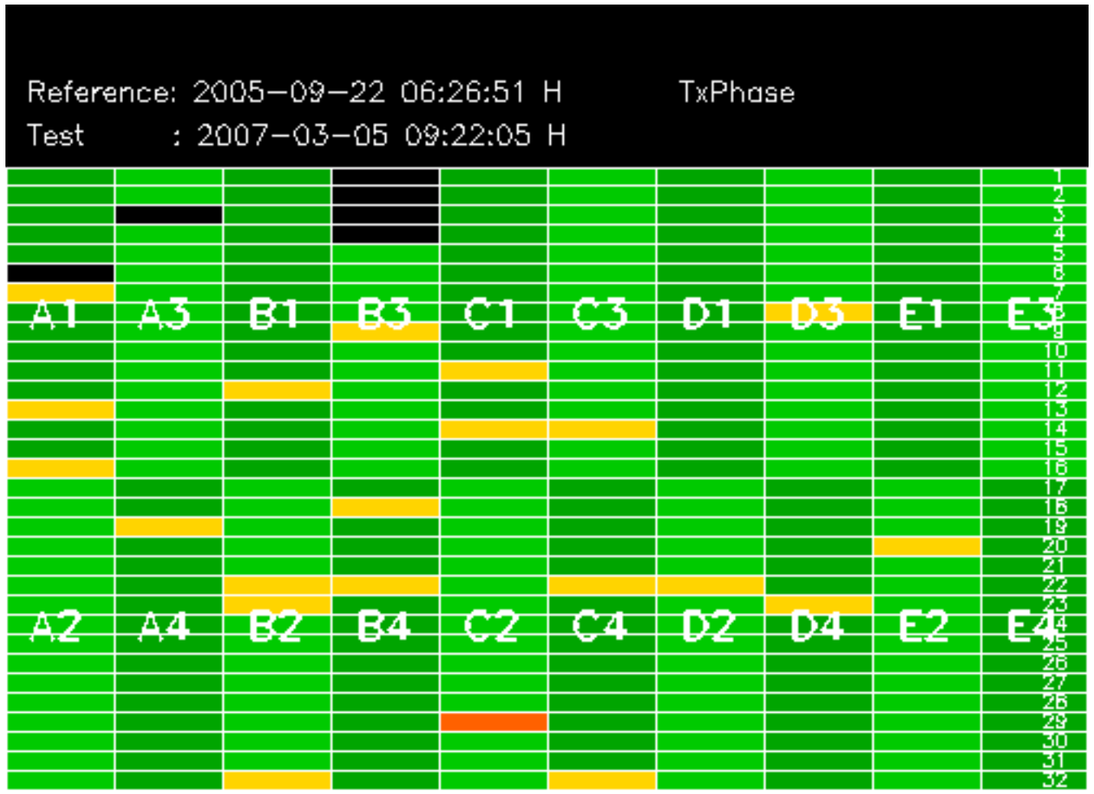
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-05 09:22:05 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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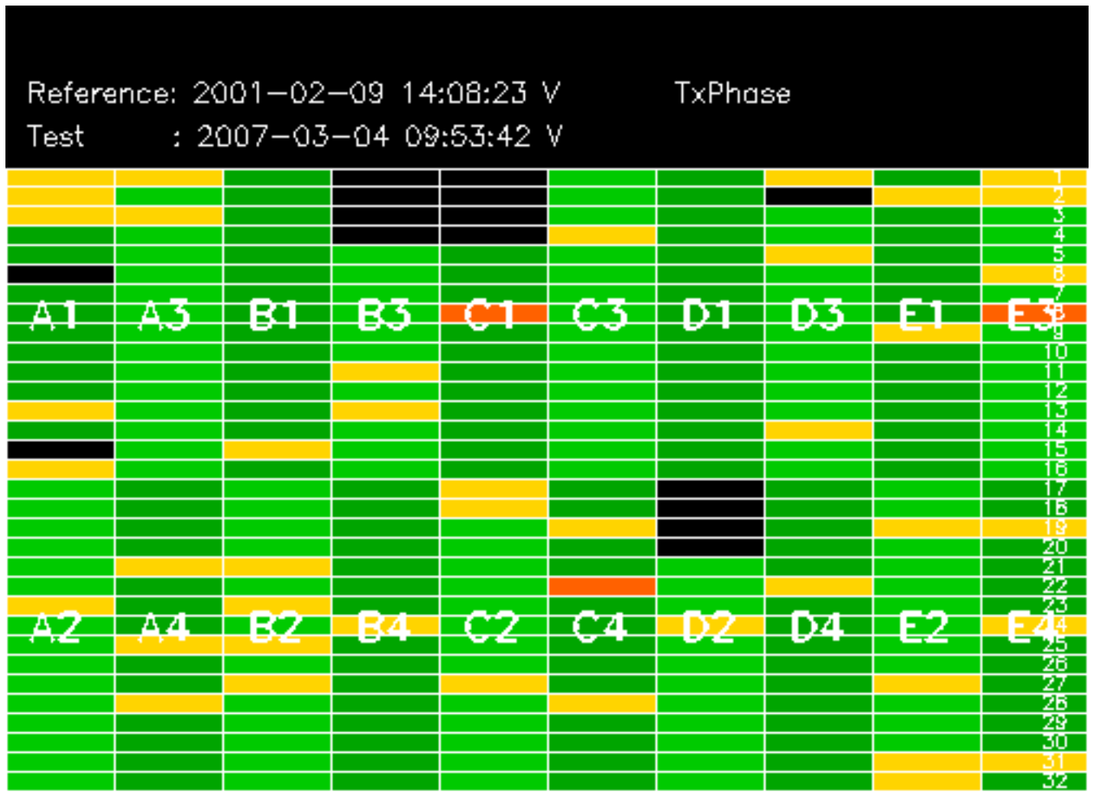
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-04 09:53:42 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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4
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9
10
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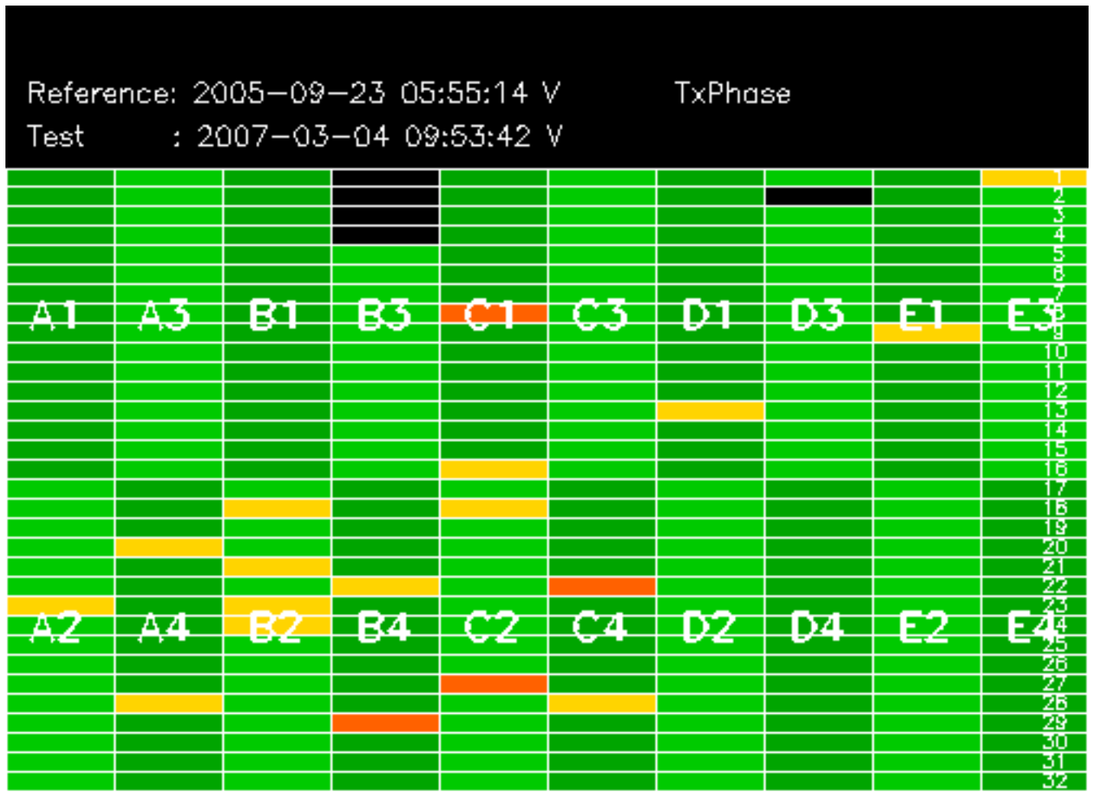
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-04 09:53:42 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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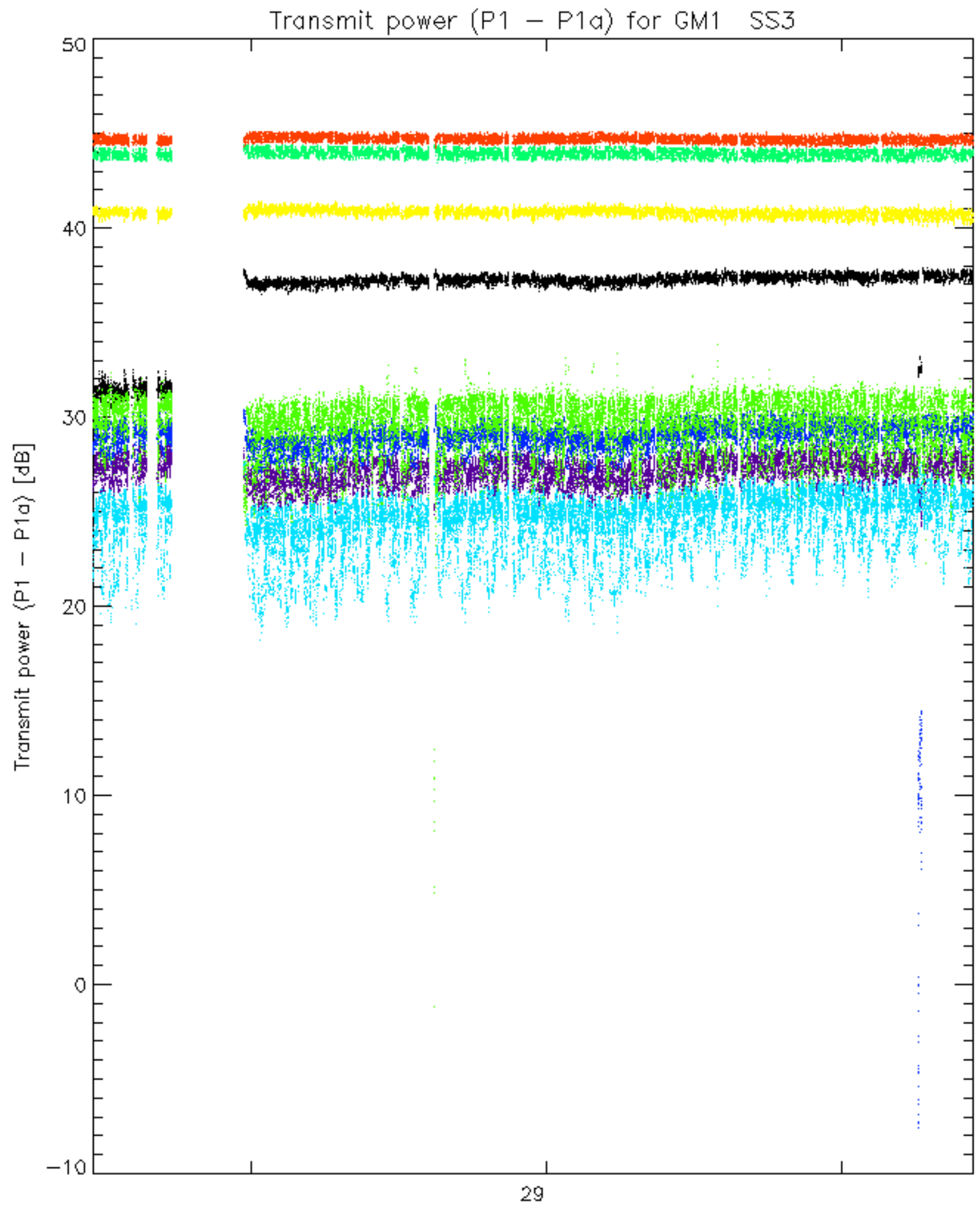
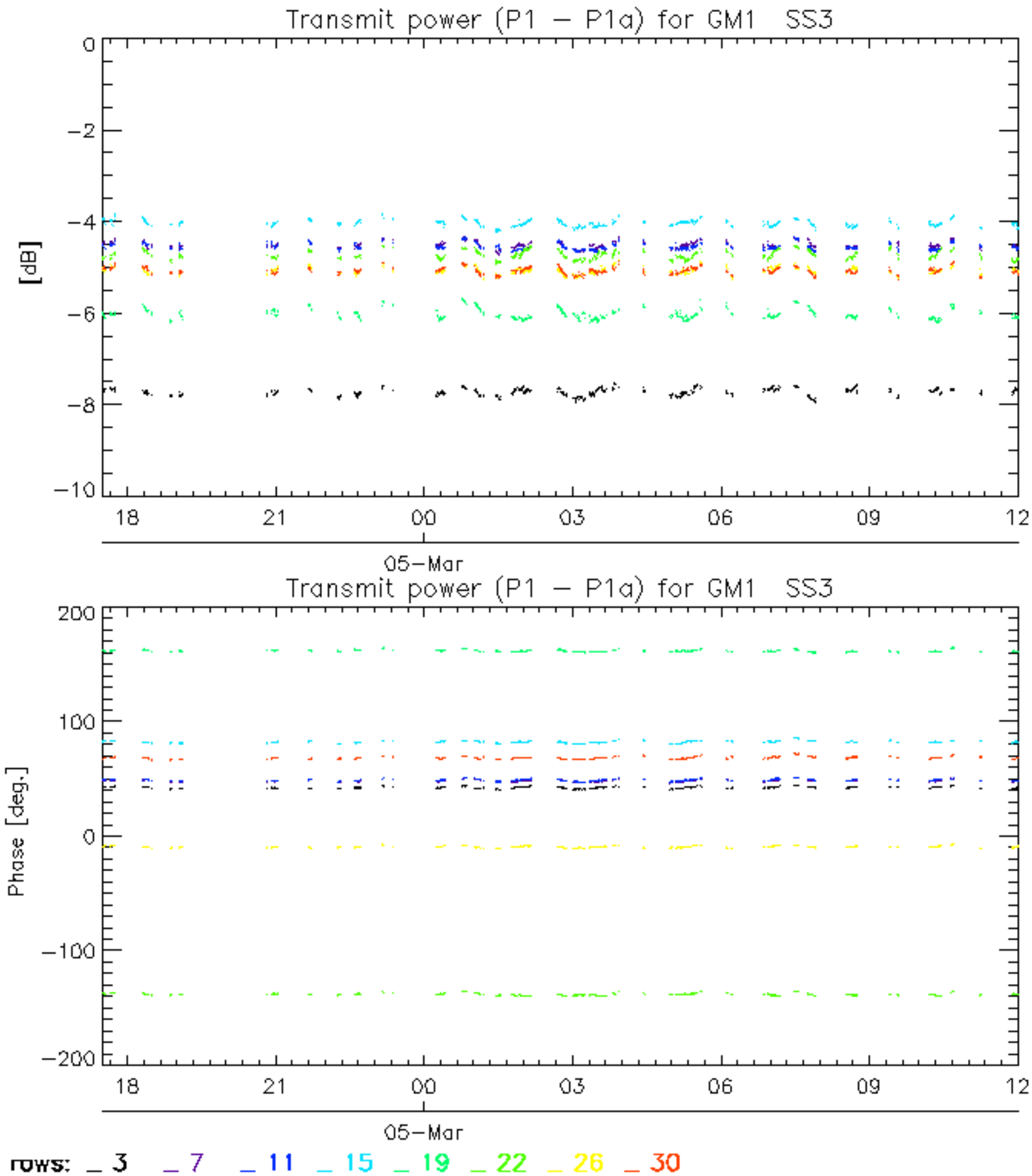
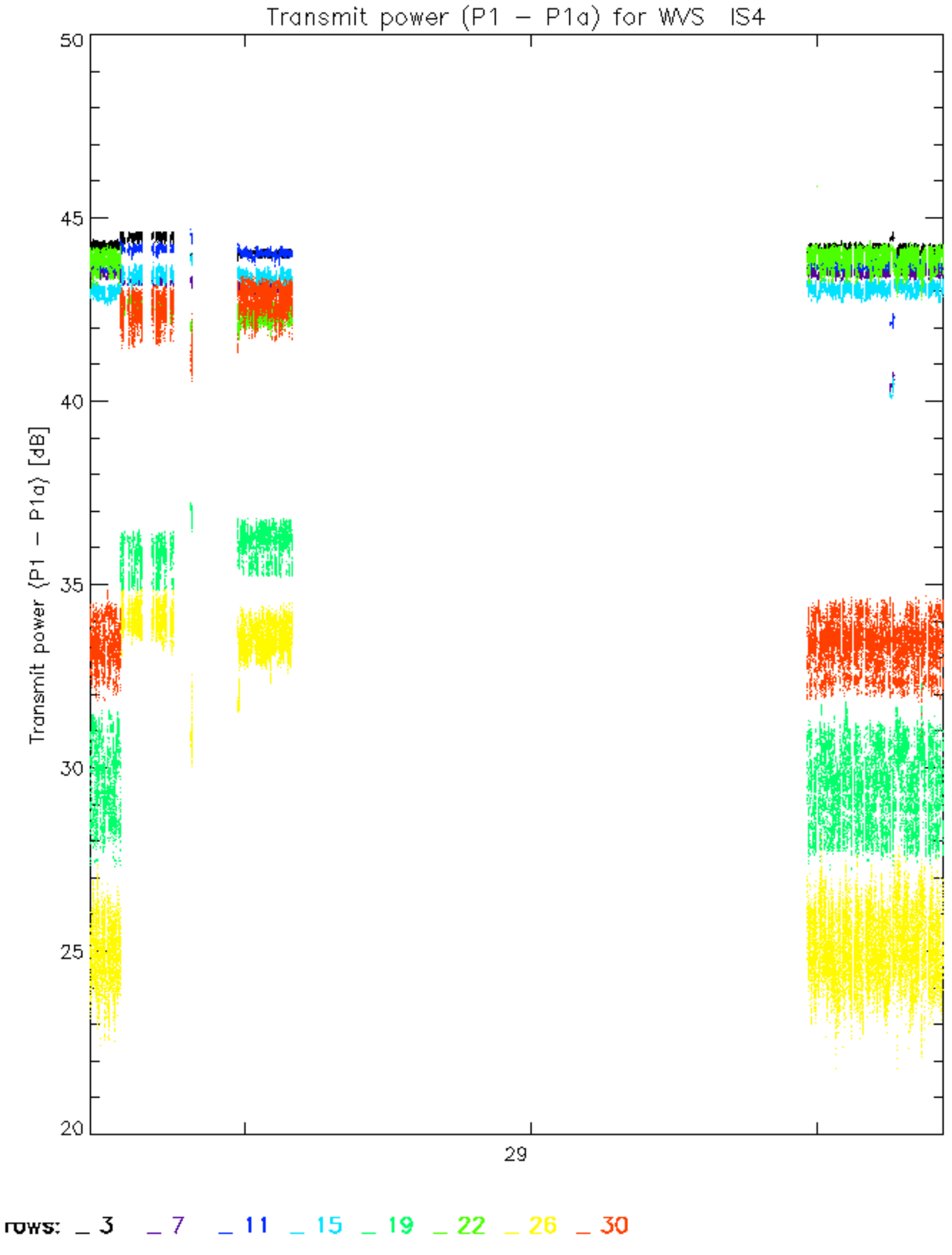
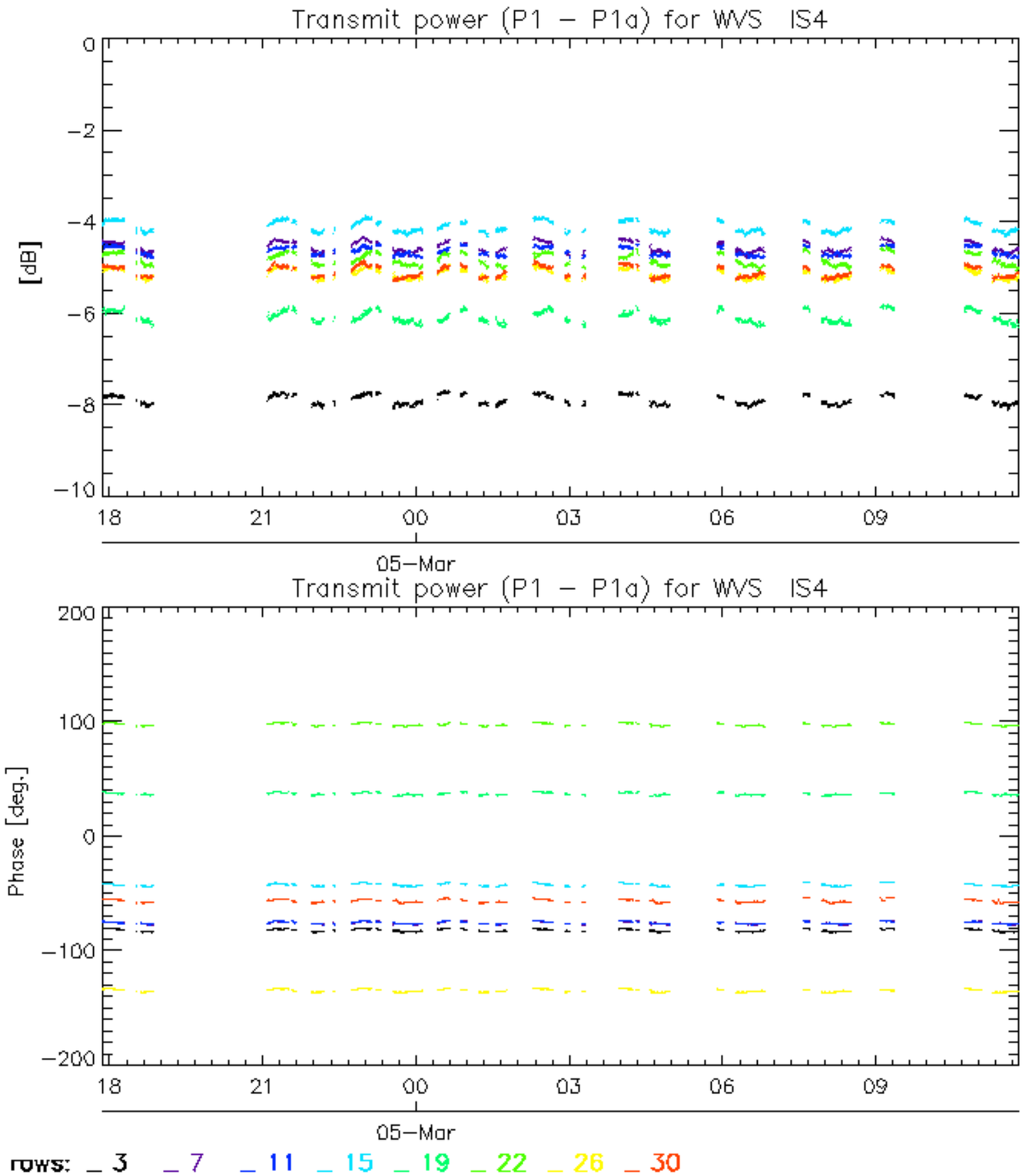

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
29
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS4
Transmit power ⟨P1 – P1a⟩ [dB]
50
45
40
35
30
25
20
29
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
05–Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
05–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.