PRELIMINARY REPORT OF 070329

last update on Thu Mar 29 18:01:03 GMT 2007

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 2007-03-28 00:00:00 to 2007-03-29 18:01:03

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	23	47	3	2	21
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	41	79	3	3	38
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	41	79	3	3	38
ASA_CON_AXVIEC20070328_163753_20070329_000000_20070330_120000	18	32	0	1	17
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	79	3	3	38

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	30	37	20	6	27
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	47	65	33	7	55
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	47	65	33	7	55
ASA_CON_AXVIEC20070328_163753_20070329_000000_20070330_120000	17	28	13	1	28
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	65	33	7	55

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	20070329 100802
H	20070328 071827

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
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4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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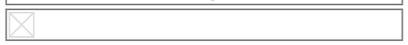
☒

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	-15.103012	0.126323	0.079380
7	P1a	-17.487368	0.101949	-0.114306
11	P1a	-17.266766	0.344331	0.012403
15	P1a	-12.883976	0.087991	0.020785
19	P1a	-15.168735	0.077115	-0.066844
22	P1a	-15.524220	0.554029	-0.487640
26	P1a	-15.092799	0.428475	-0.198679
30	P1a	-17.413183	0.292879	-0.231879

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.745853	0.010586	-0.028257
7	P1	-3.136060	0.008508	-0.011997
11	P1	-4.173073	0.015041	-0.056987
15	P1	-6.373281	0.016656	0.025197
19	P1	-3.776868	0.007544	-0.027035
22	P1	-4.685439	0.044499	-0.116447
26	P1	-3.928626	0.038125	-0.039501
30	P1	-5.926110	0.066982	-0.129678

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.644236	0.093784	0.032193
7	P2	-21.602064	0.082742	0.039326
11	P2	-15.493410	0.102443	0.159882
15	P2	-7.082652	0.094678	-0.051200
19	P2	-9.108639	0.083974	-0.015292
22	P2	-18.092062	0.078618	0.030996
26	P2	-16.561642	0.086166	-0.057619
30	P2	-19.317774	0.082362	0.088147

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.234052	0.006456	0.003765
7	P3	-8.234052	0.006456	0.003765
11	P3	-8.234052	0.006456	0.003765
15	P3	-8.234052	0.006456	0.003765
19	P3	-8.234052	0.006456	0.003765
22	P3	-8.234052	0.006456	0.003765
26	P3	-8.233984	0.006458	0.004026
30	P3	-8.233984	0.006458	0.004026

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
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P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.098615	0.052701	-0.082927
7	P1a	-10.070946	0.131609	-0.006776
11	P1a	-10.680174	0.062690	-0.018876
15	P1a	-10.933526	0.143789	0.114919
19	P1a	-15.719283	0.071879	-0.136360
22	P1a	-20.920401	1.507435	-0.205917
26	P1a	-15.266186	0.323774	-0.142339
30	P1a	-18.374210	0.692884	0.037926

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.414398	0.039310	-0.051469
7	P1	-2.425619	0.022122	-0.001594
11	P1	-2.919791	0.019066	0.020009
15	P1	-3.847355	0.039156	0.000595
19	P1	-3.563823	0.011226	-0.036933
22	P1	-5.028780	0.032046	0.050330

26	P1	-5.959285	0.051589	-0.067209
30	P1	-5.277949	0.030951	-0.041931

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.107374	0.037675	-0.038225
7	P2	-21.959455	0.061878	-0.044740
11	P2	-10.634709	0.033579	0.027622
15	P2	-4.835298	0.031834	-0.050023
19	P2	-6.815770	0.033833	-0.028214
22	P2	-8.079417	0.034198	-0.009518
26	P2	-24.290232	0.042271	0.013094
30	P2	-21.718542	0.044536	0.036782

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.063206	0.004058	-0.018273
7	P3	-8.063123	0.004055	-0.018421
11	P3	-8.063226	0.004056	-0.018672
15	P3	-8.063332	0.004061	-0.018389
19	P3	-8.063190	0.004066	-0.017819
22	P3	-8.063271	0.004063	-0.018671
26	P3	-8.063048	0.004042	-0.018316
30	P3	-8.063188	0.004049	-0.018536

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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4.3.2 - Evolution for GM1

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000642253
	stdev	2.62875e-07
MEAN Q	mean	0.000350377
	stdev	2.77093e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.103355
	stdev	0.00239469
STDEV Q	mean	0.103322
	stdev	0.00245115

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007032[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_1PNPDE20070328_143307_000000372056_00425_26531_0306.N1	1	0
ASA_WVS_1PNPDK20070329_111415_000000602056_00438_26544_8744.N1	0	16
ASA_GM1_1PNPDK20070328_172929_000005192056_00427_26533_7340.N1	0	7
ASA_WSM_1PNPDE20070327_004727_000000852056_00403_26509_7928.N1	0	26
ASA_WSM_1PNPDE20070327_140944_000000862056_00411_26517_8651.N1	0	22

ASA_WSM_1PNPDE20070327_150733_000000862056_00412_26518_8655.N1	0	33
ASA_WSM_1PNPDE20070327_183104_000000852056_00414_26520_8729.N1	0	16
ASA_WSM_1PNPDE20070328_001649_000002022056_00417_26523_9211.N1	0	26
ASA_WSM_1PNPDE20070328_234612_000002022056_00431_26537_0915.N1	0	27
ASA_WSM_1PNPDE20070329_022250_000000862056_00433_26539_1185.N1	0	44
ASA_WSM_1PNPDK20070329_140622_000000862056_00440_26546_8981.N1	0	15

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

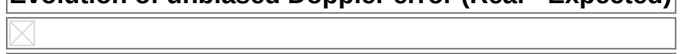
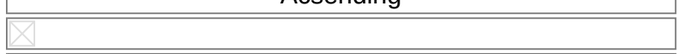
7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

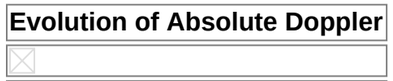
7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

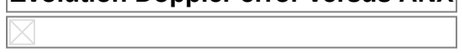
Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

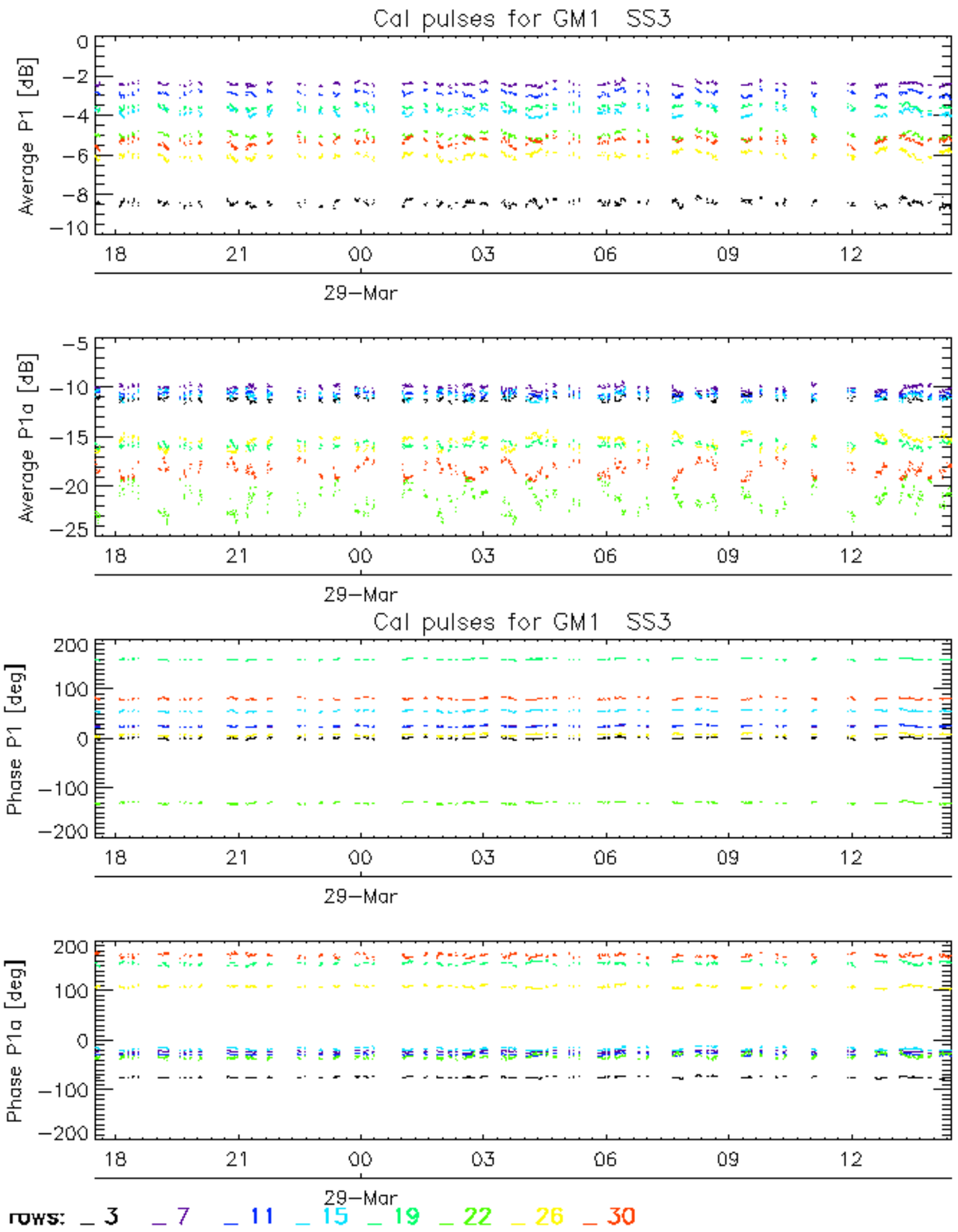
7.5 - Absolute Doppler for GM1

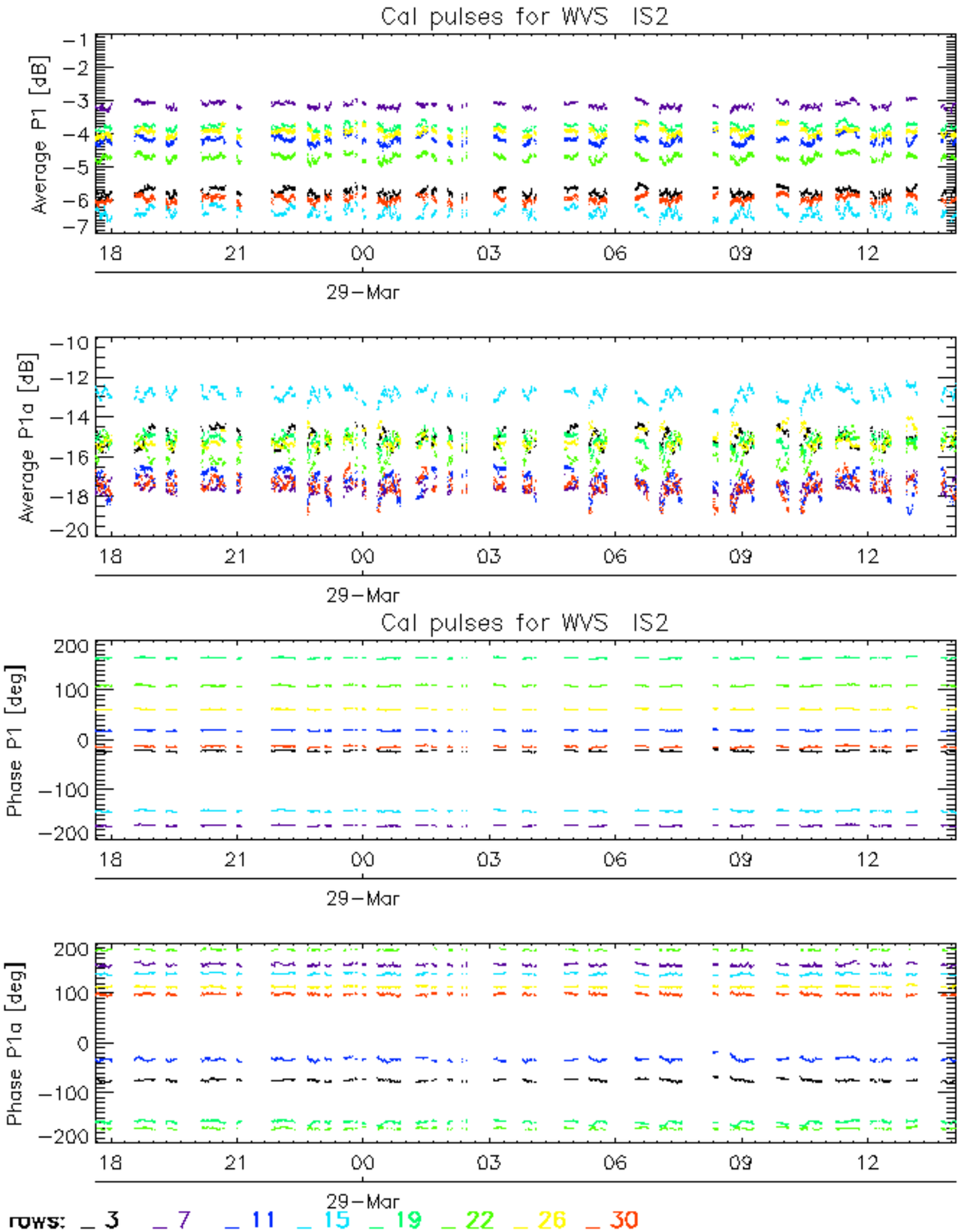
Evolution of Absolute Doppler

Acsending

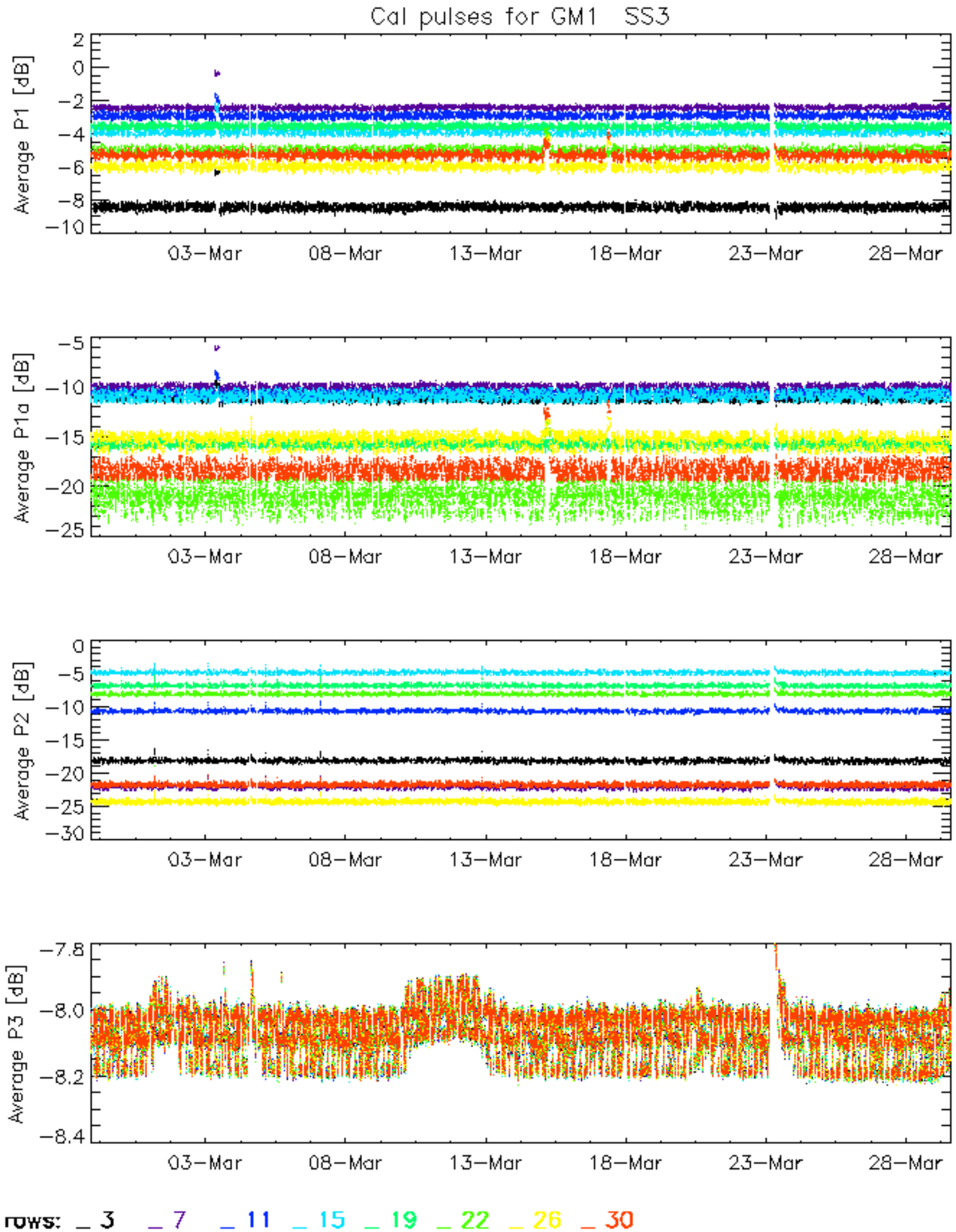
Descending

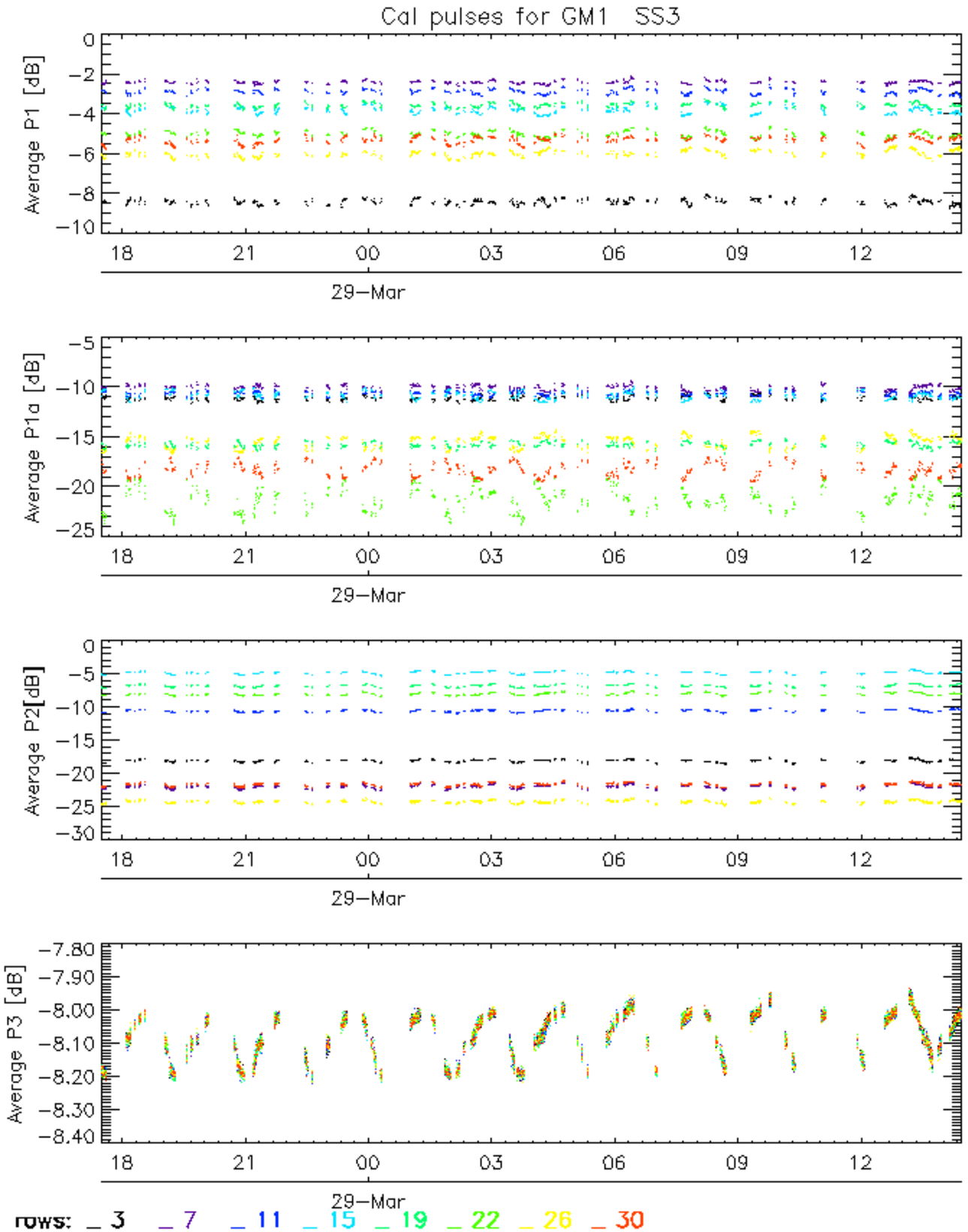
7.6 - Doppler evolution versus ANX for GM1

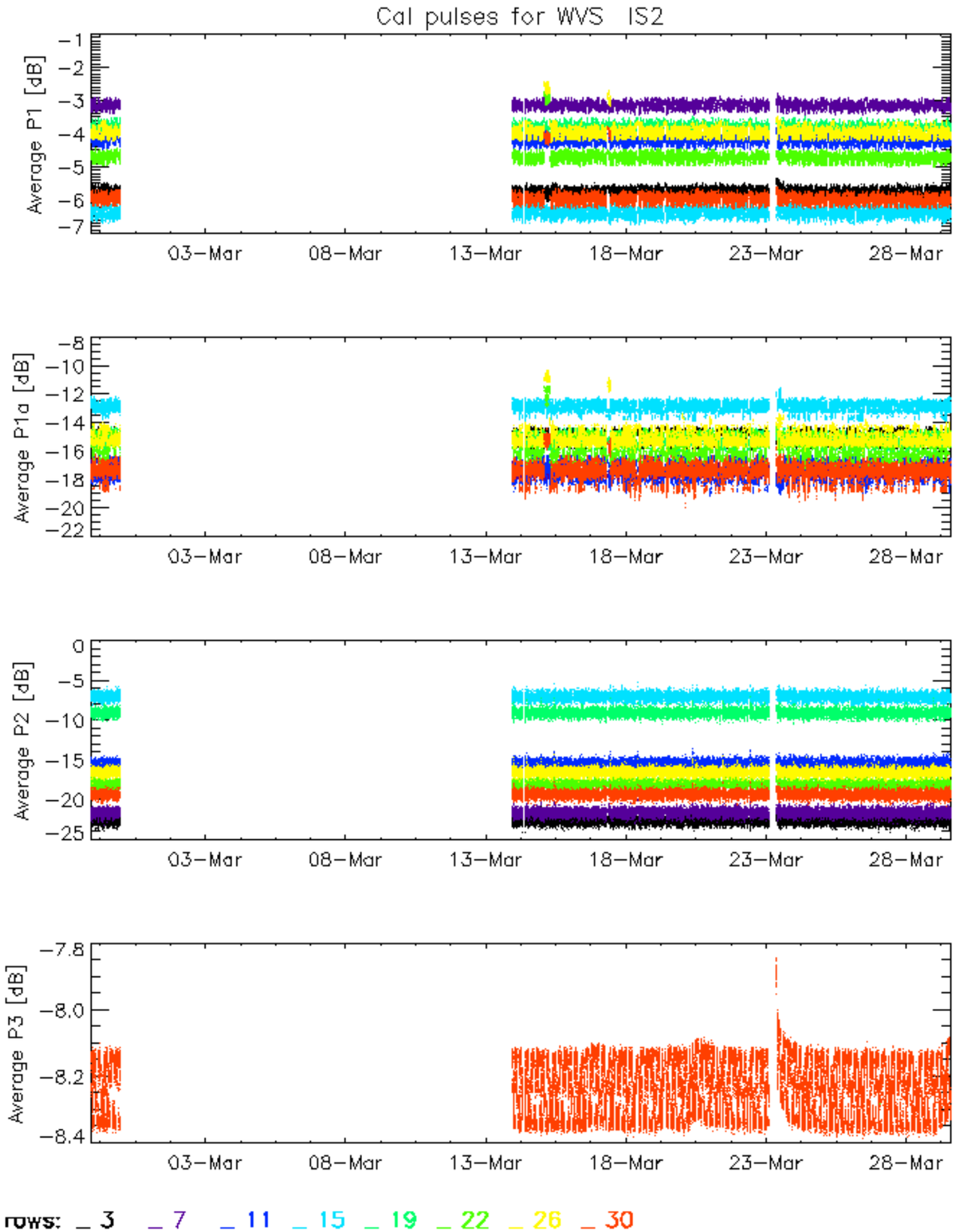
Evolution Doppler error versus ANX


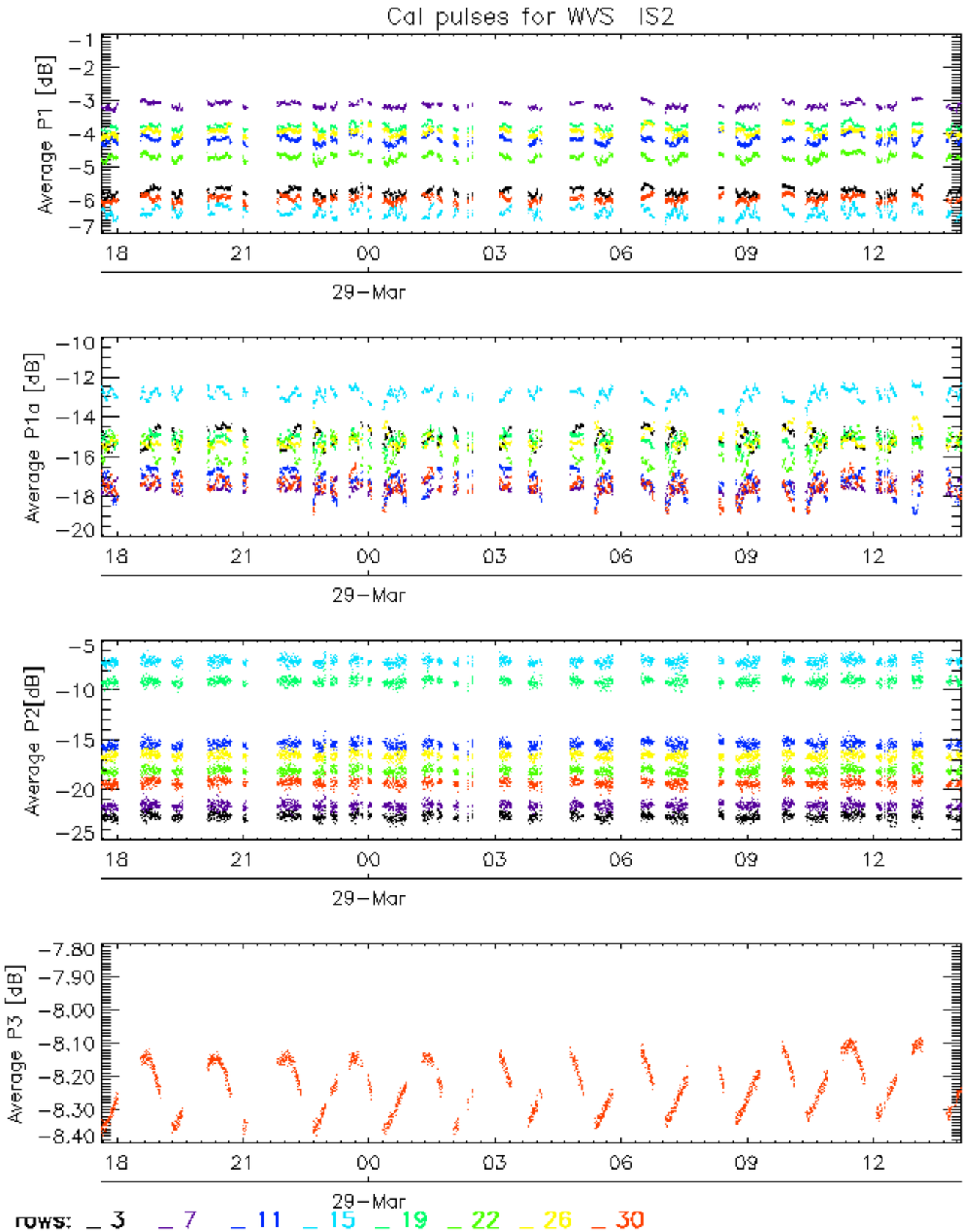

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
29−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Mar
rows: 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
12
29−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
12
29−Mar
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
12
29−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
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−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

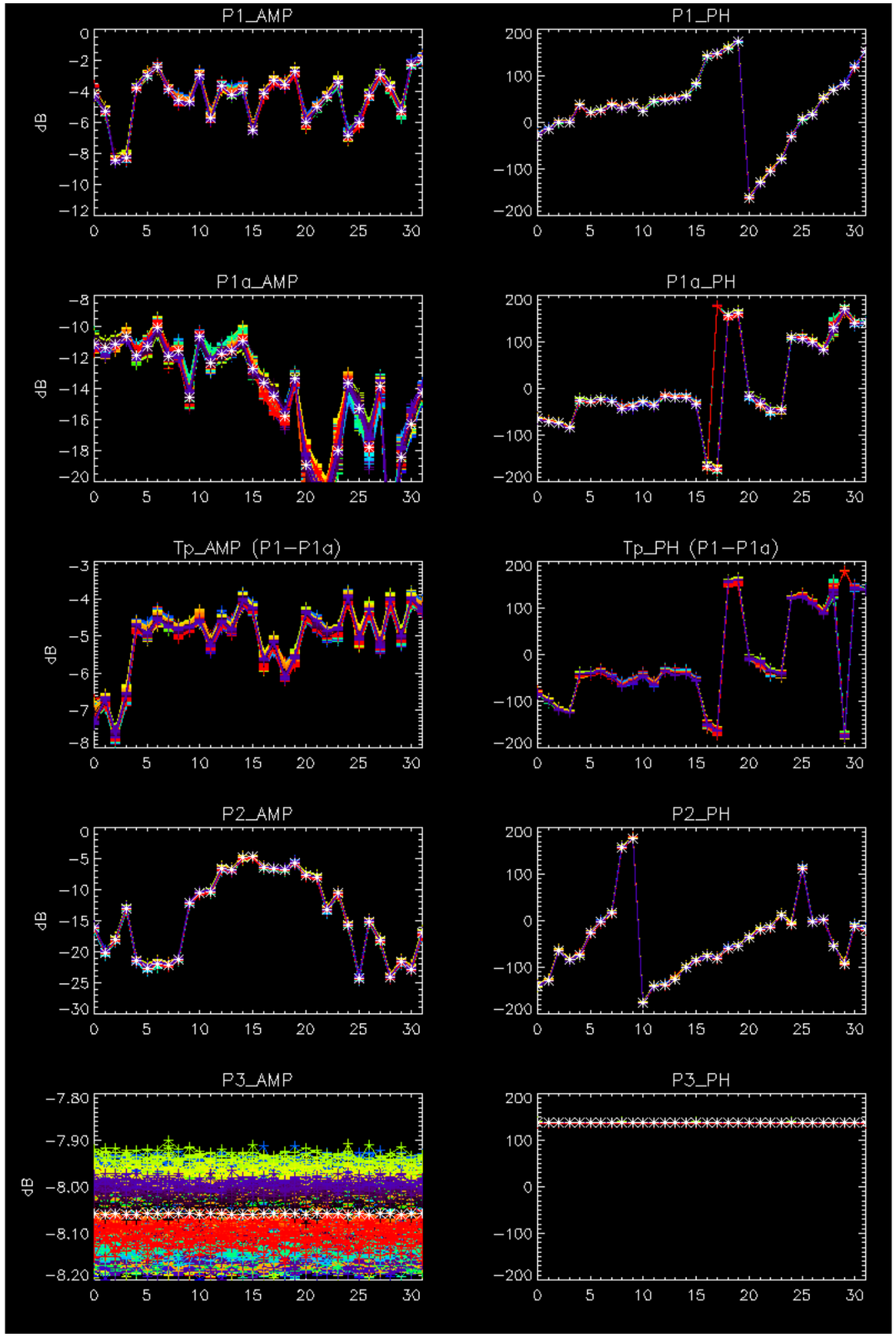

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
29−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
12
29−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
29−Mar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

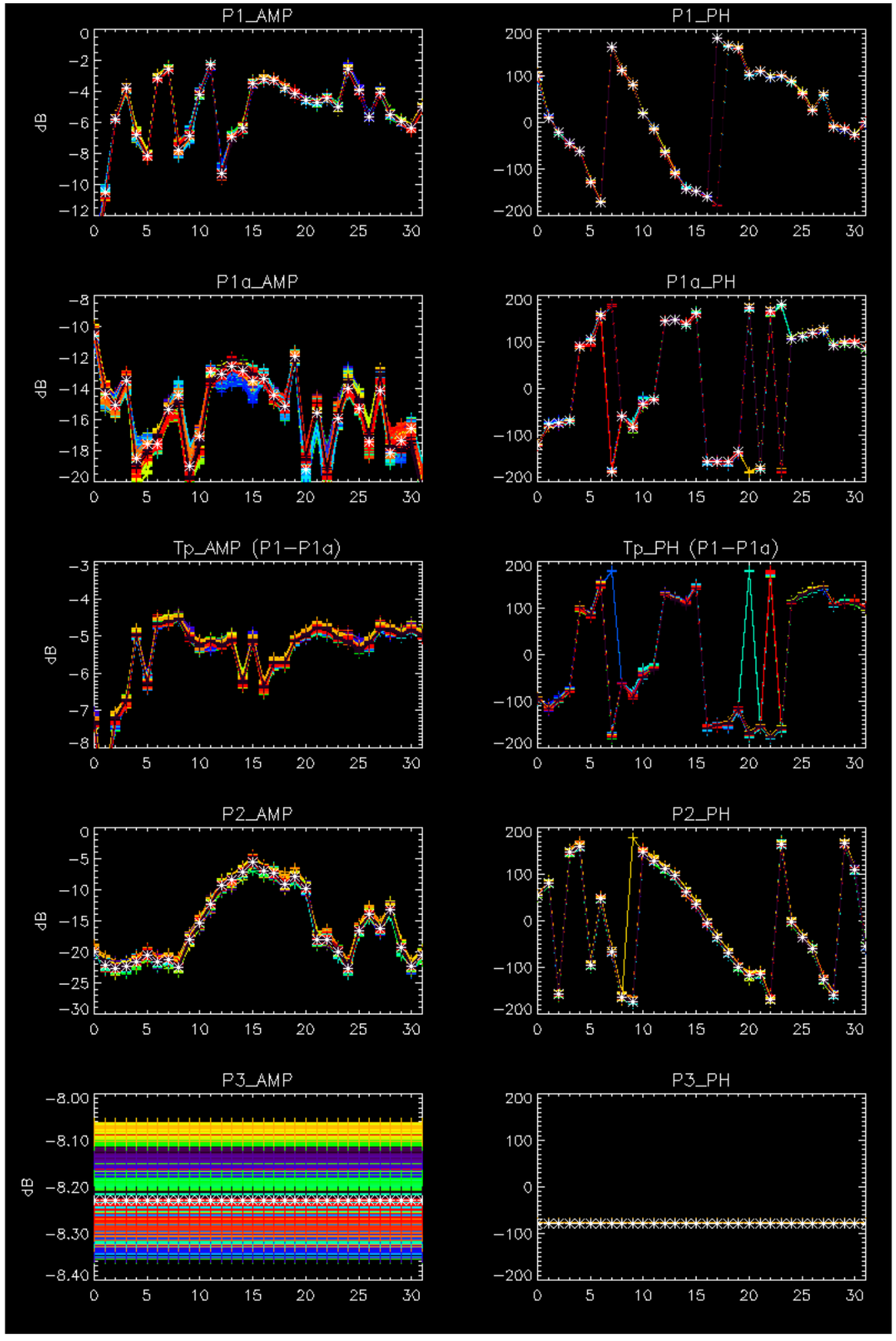

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
−22
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
12
29−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
12
29−Mar
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
29−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
29−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

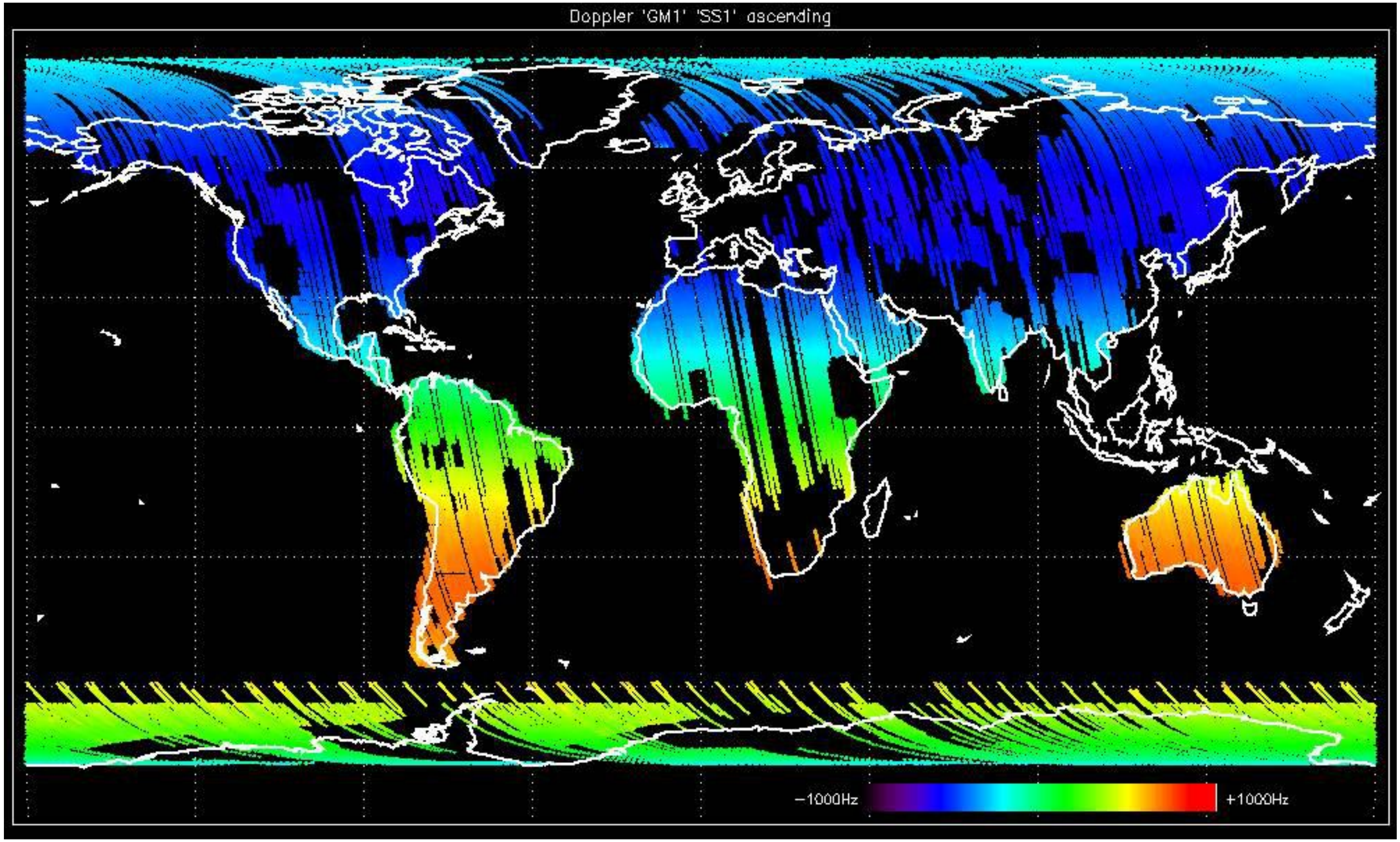
No anomalies observed.

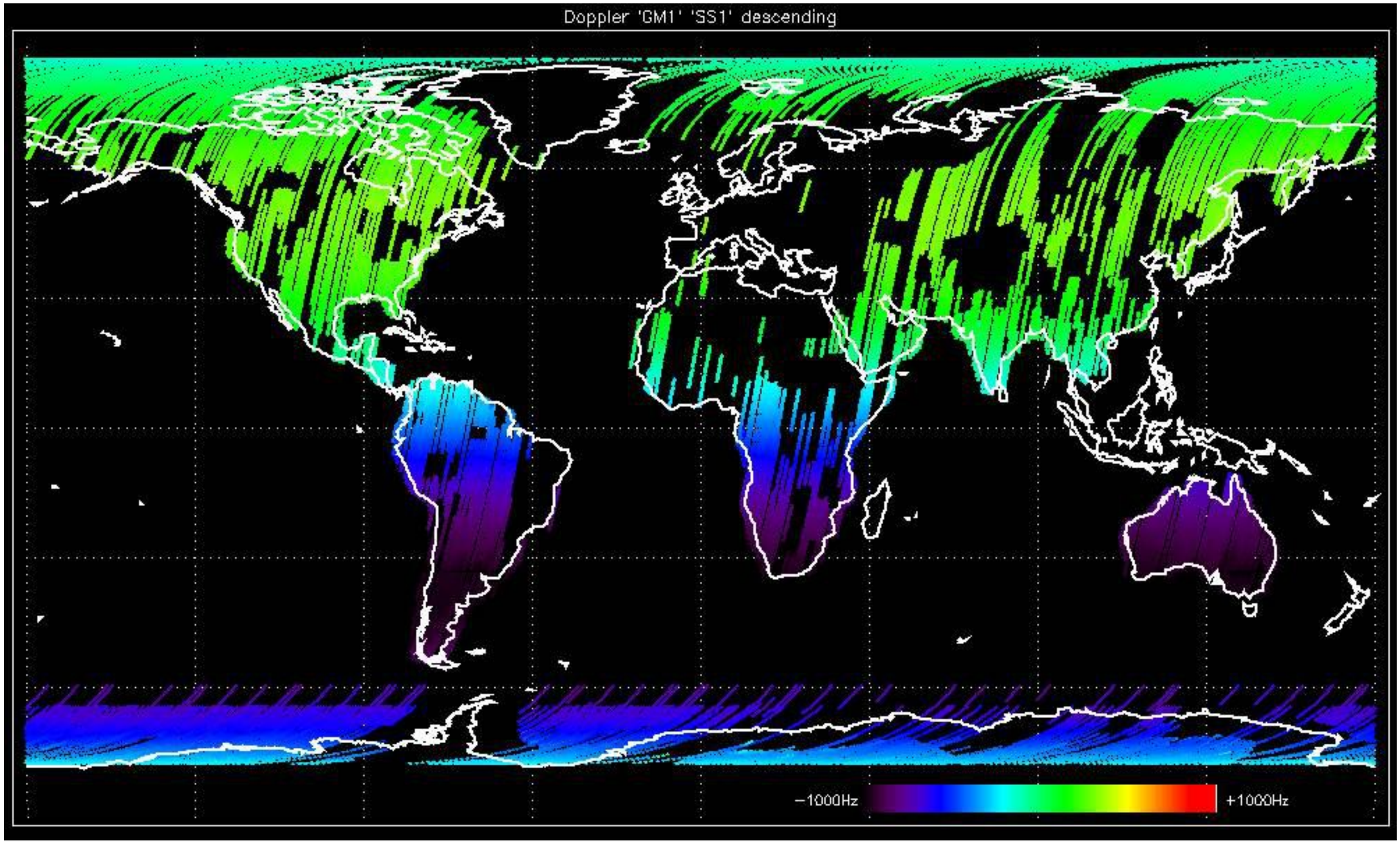

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

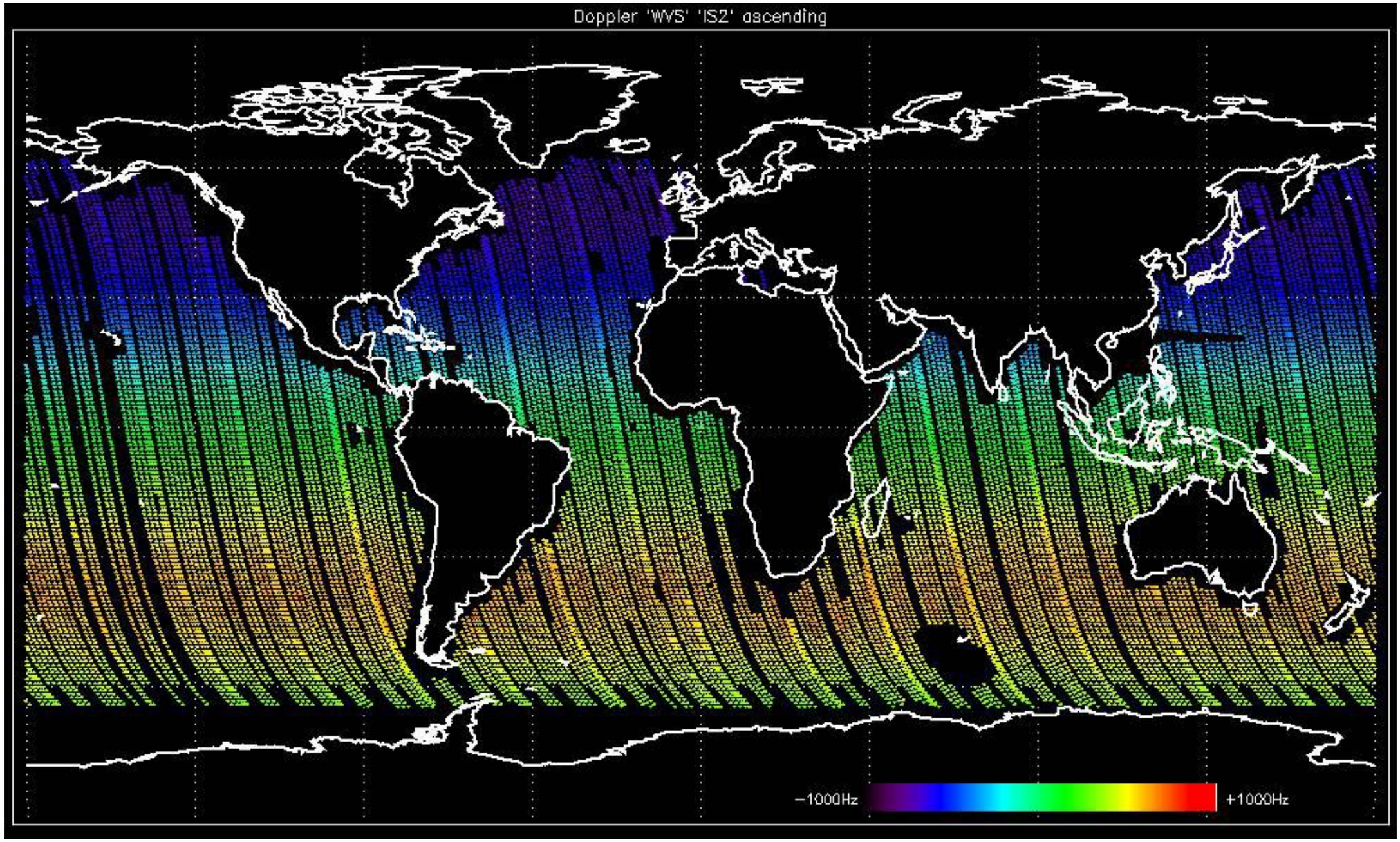

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

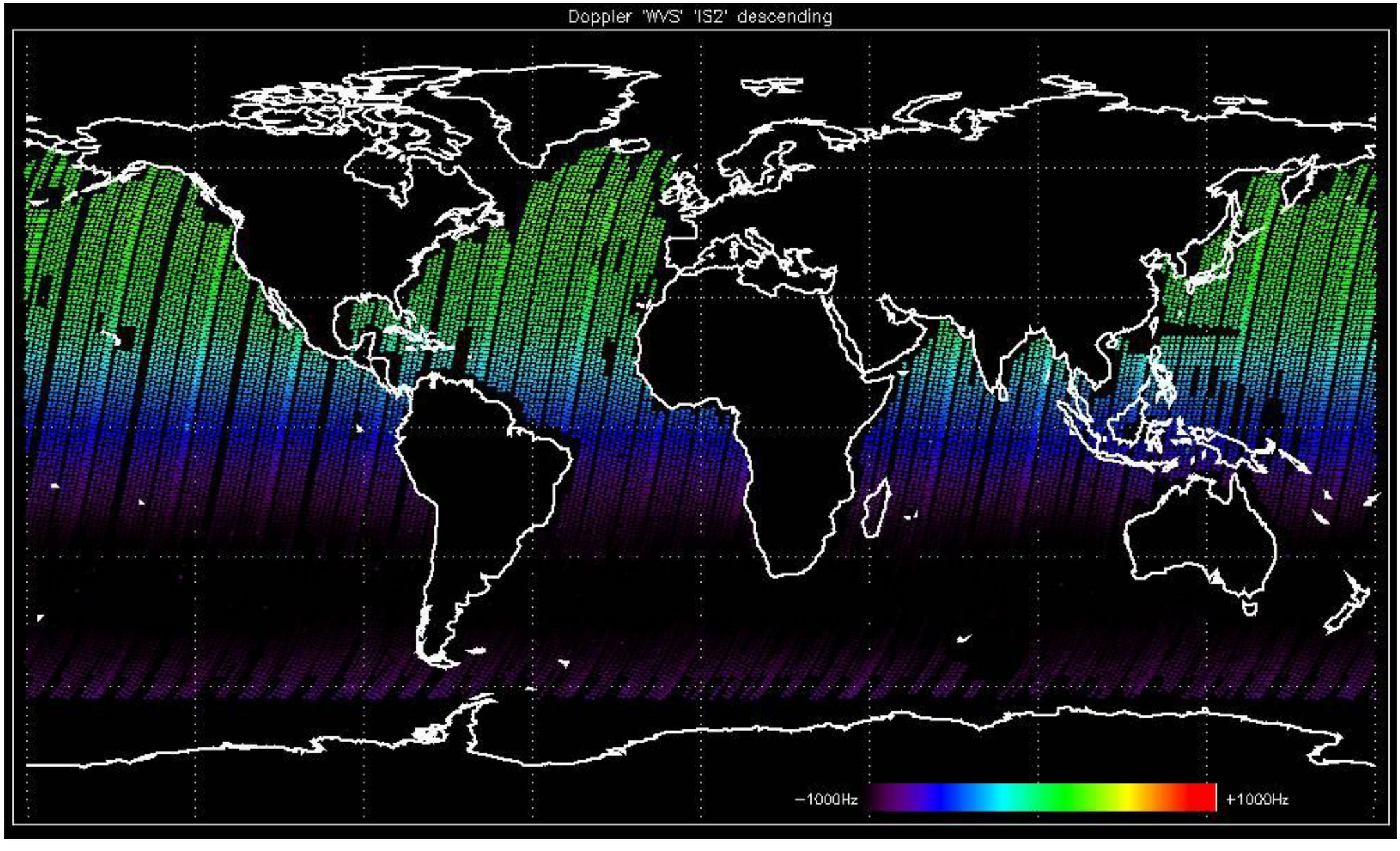
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

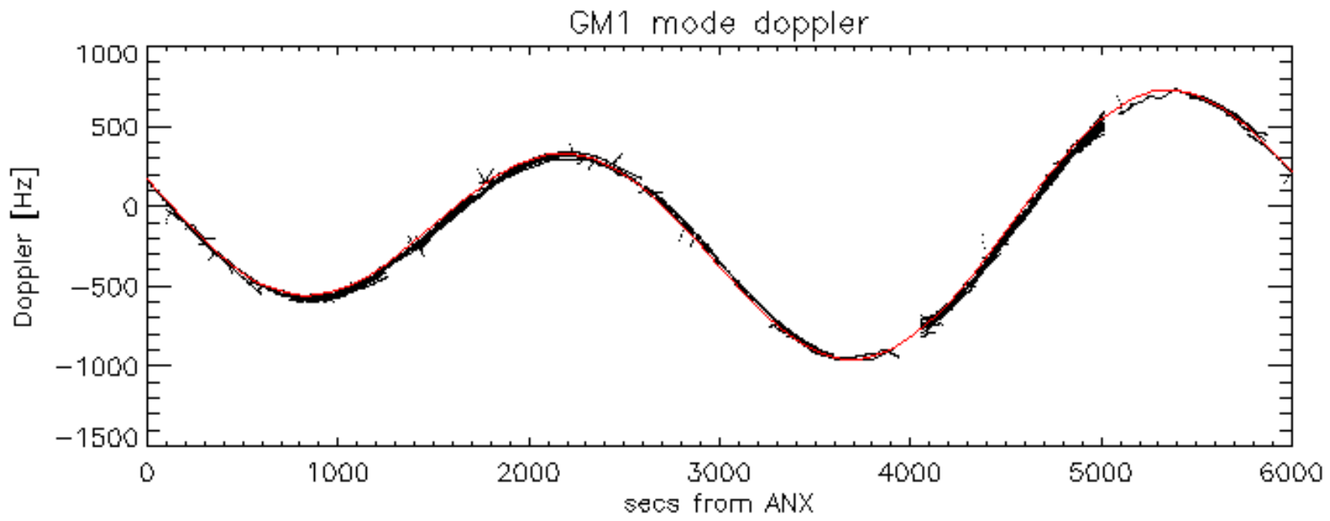
Preliminary report.The data is not yet controled

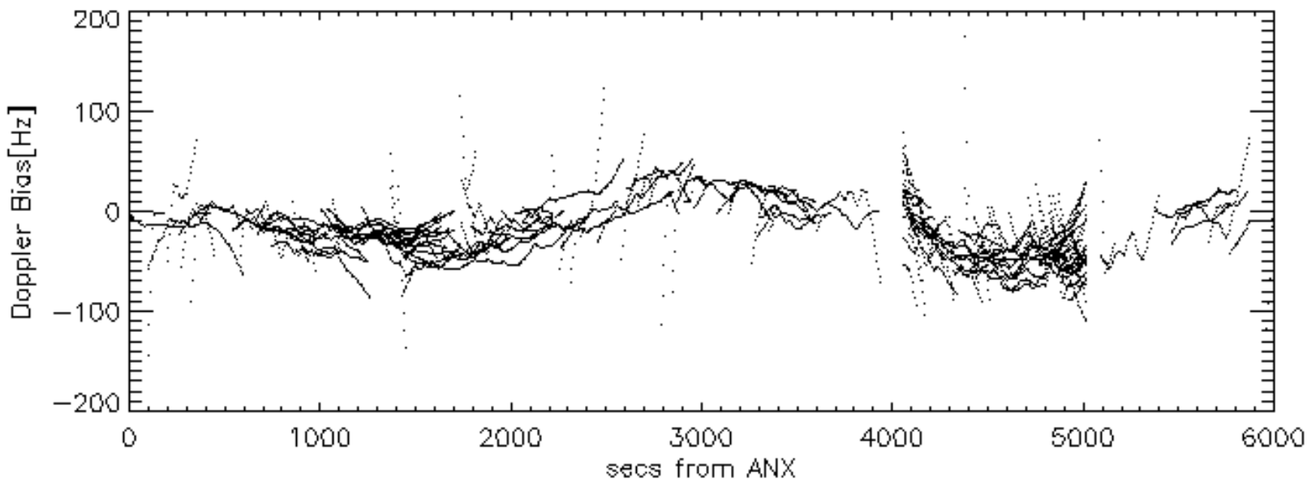

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

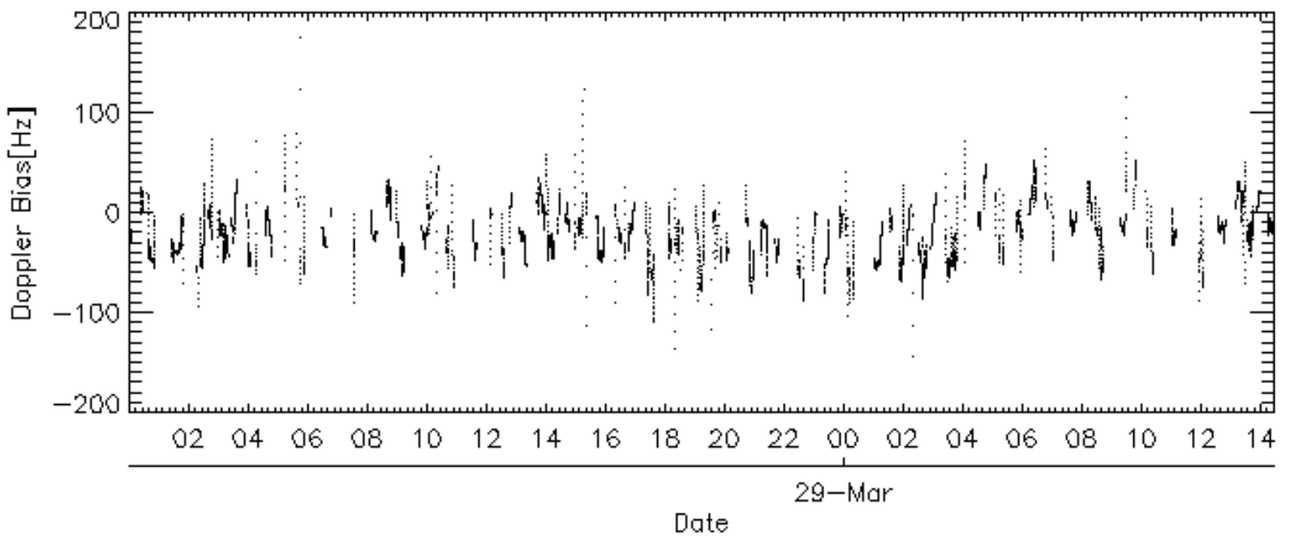

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

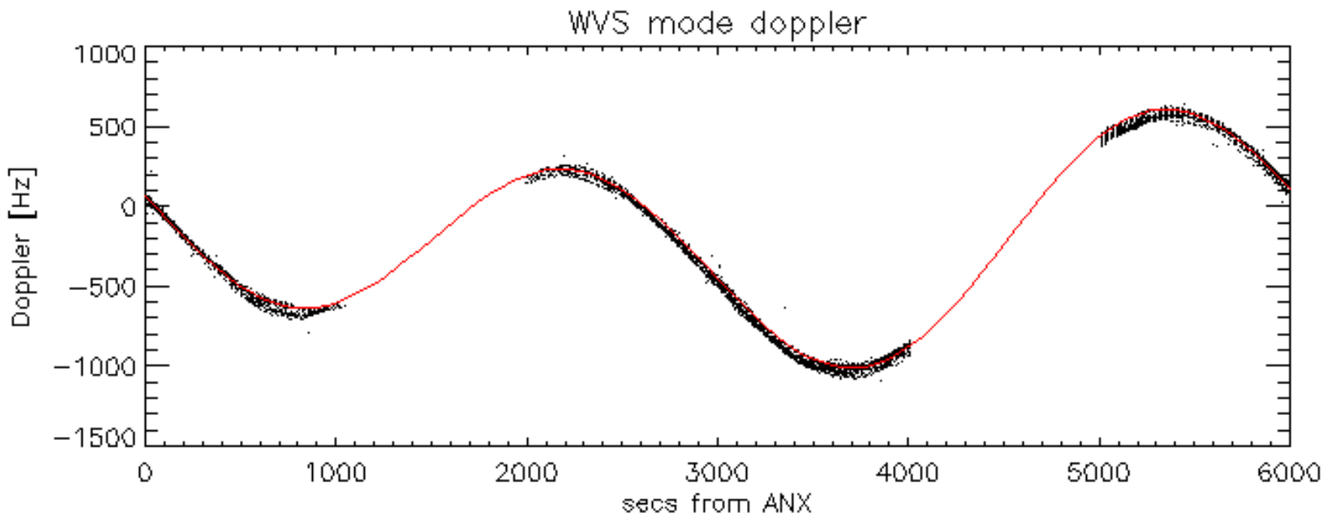

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

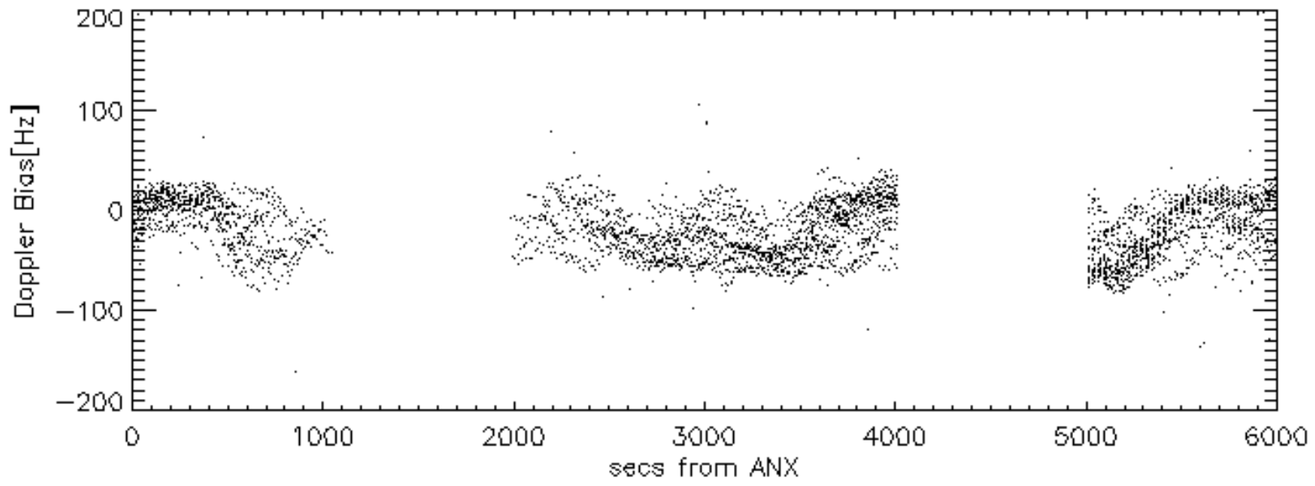

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

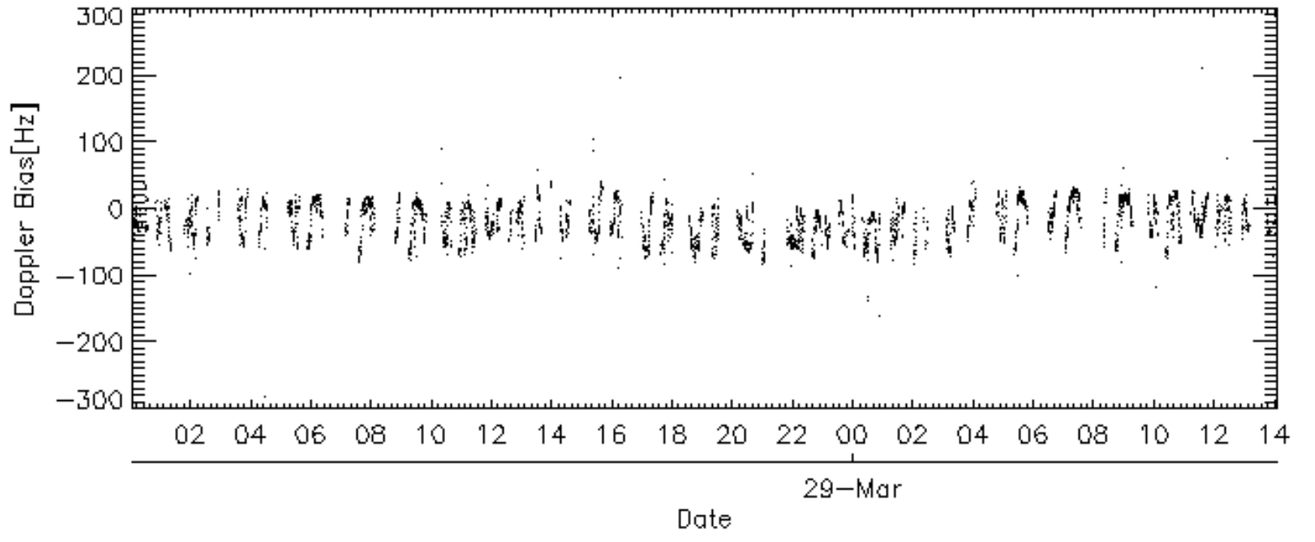

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

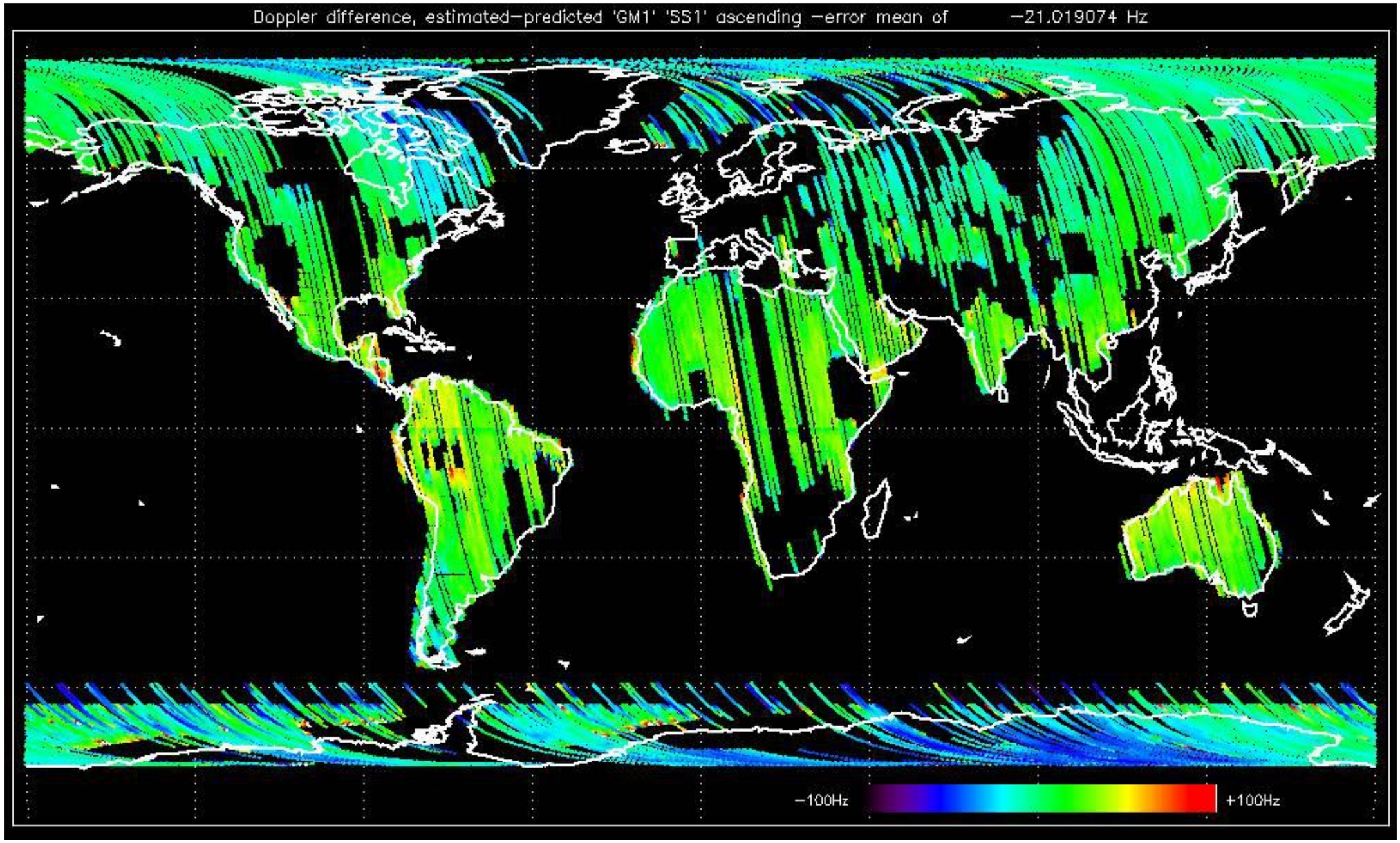

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

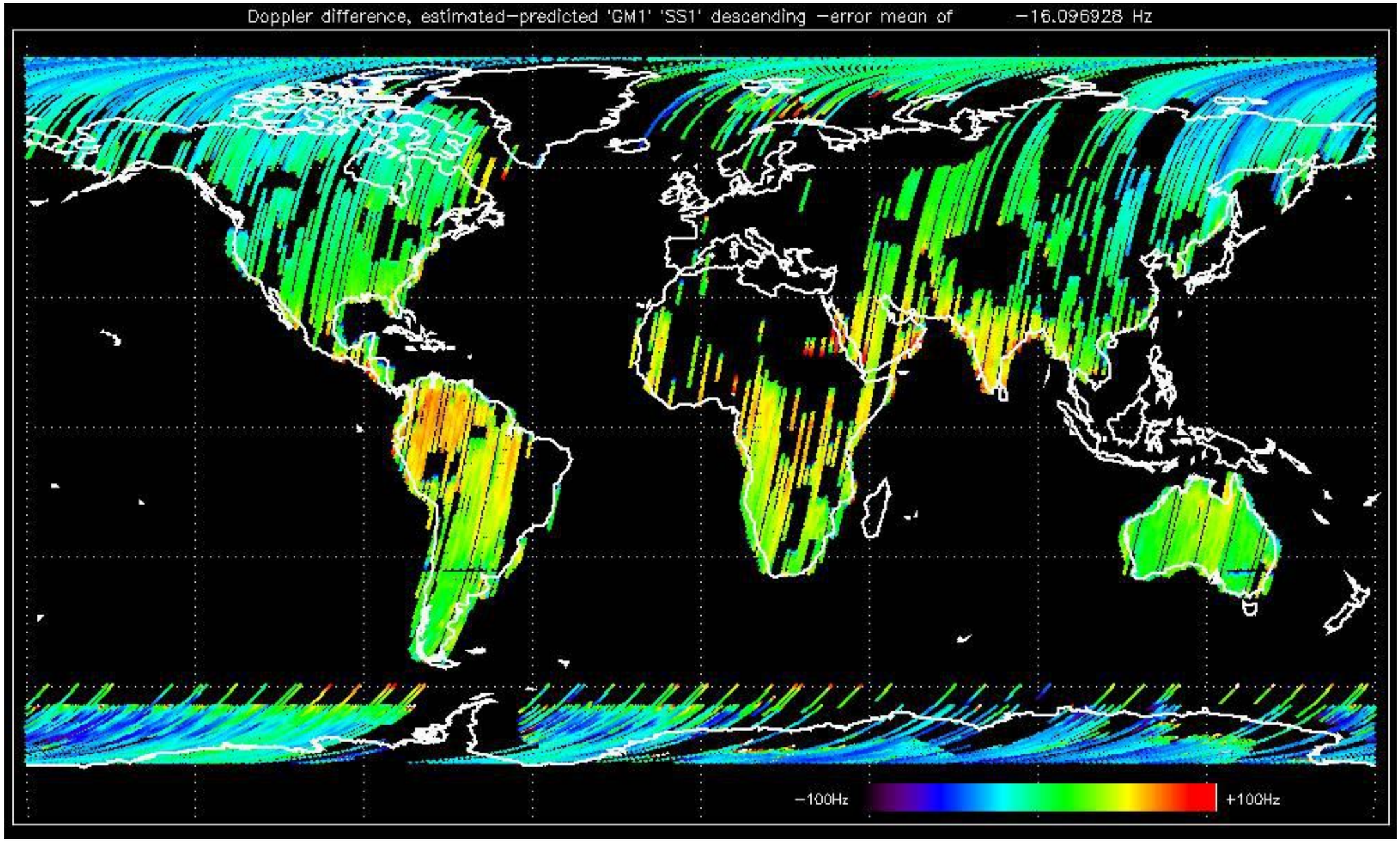

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
12
14
29−Mar
Date

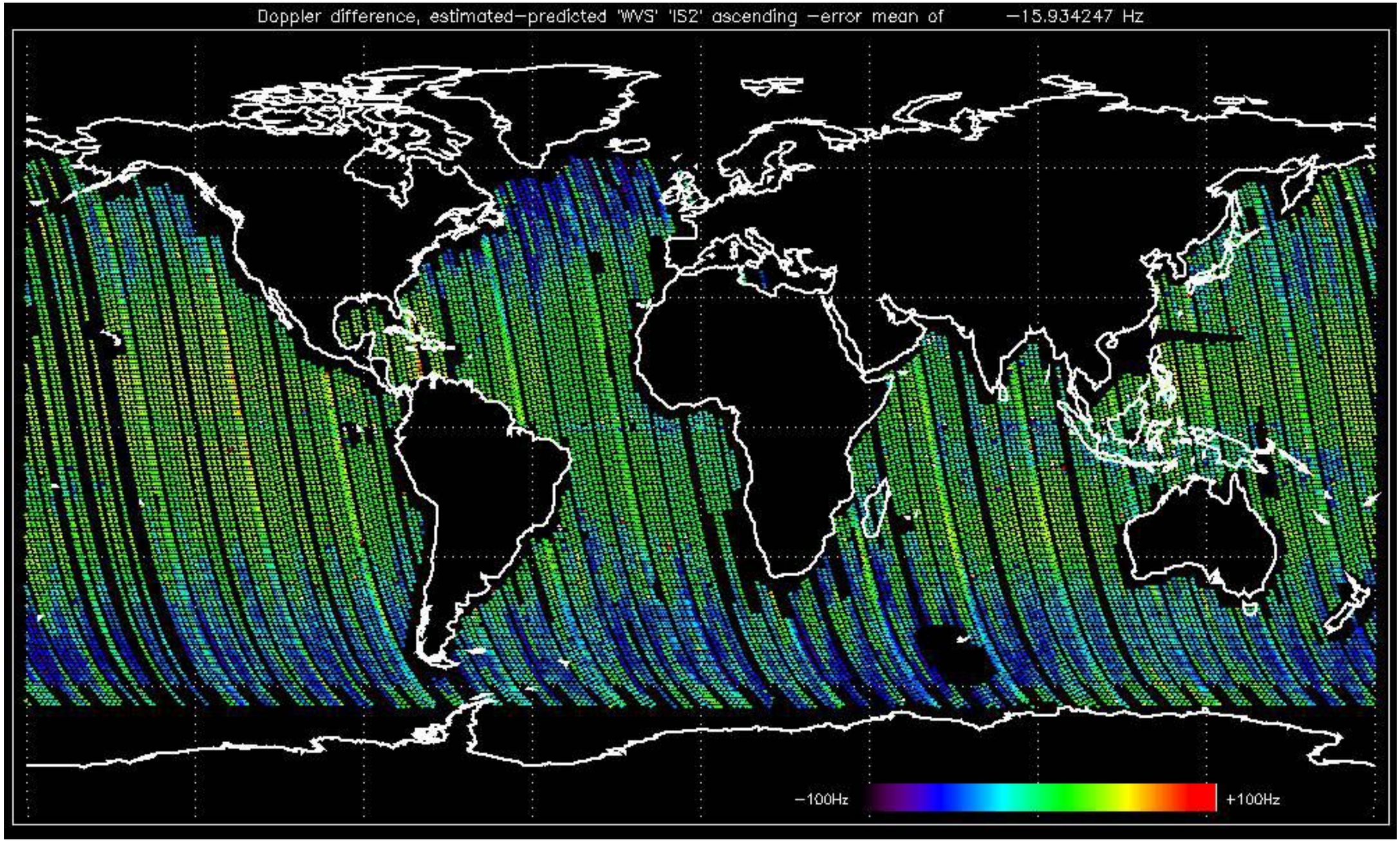

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

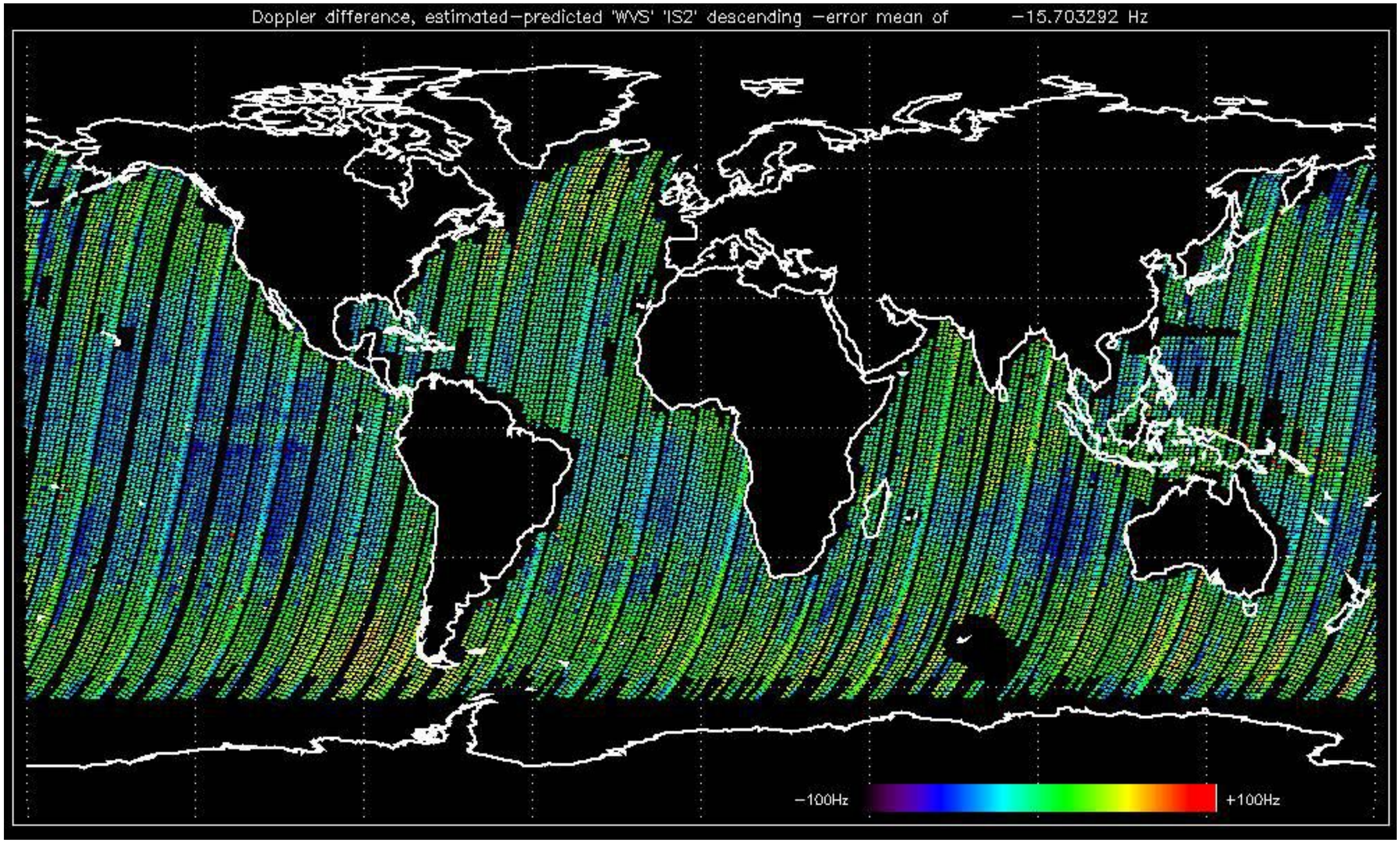

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −21.019074 Hz
−100Hz
+100Hz

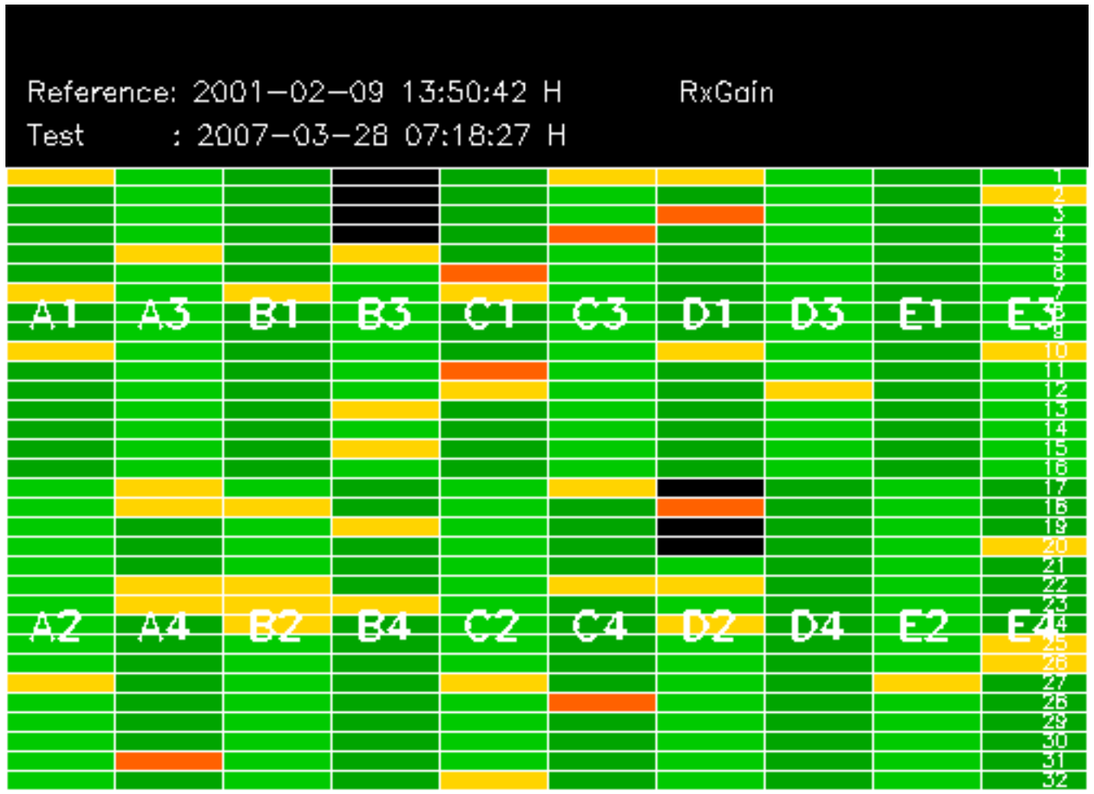

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.096928 Hz
−100Hz
+100Hz

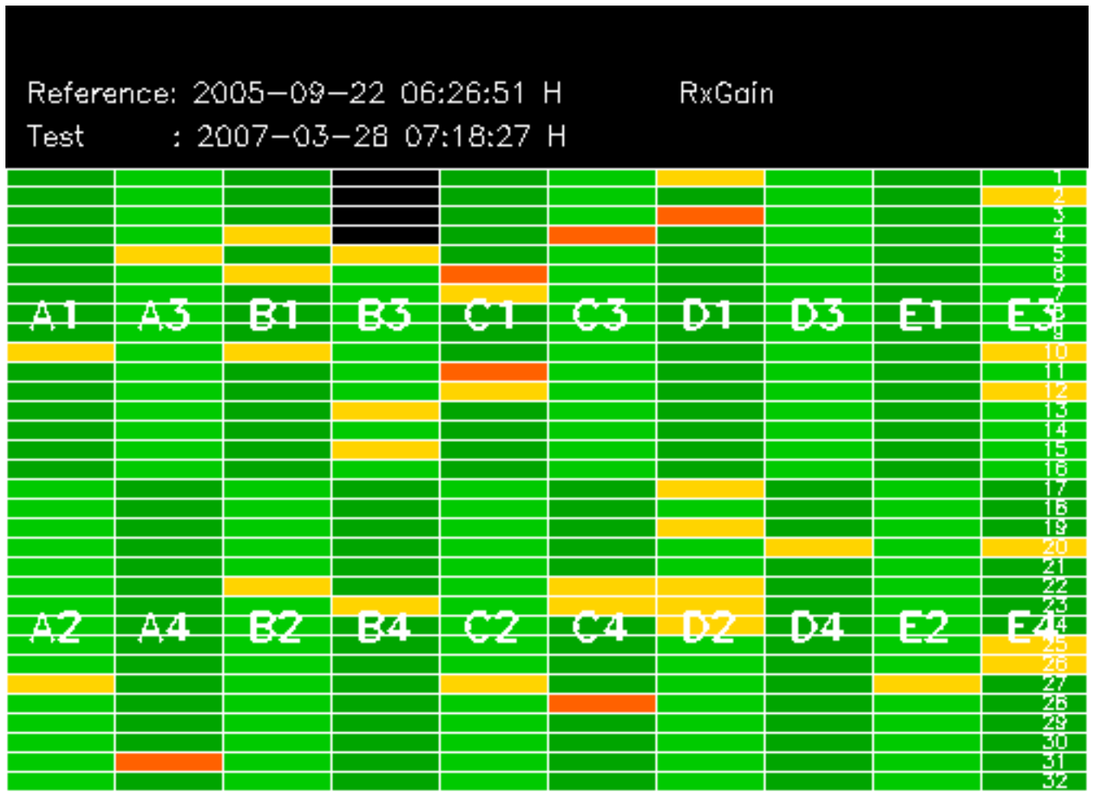

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.934247 Hz
−100Hz
+100Hz

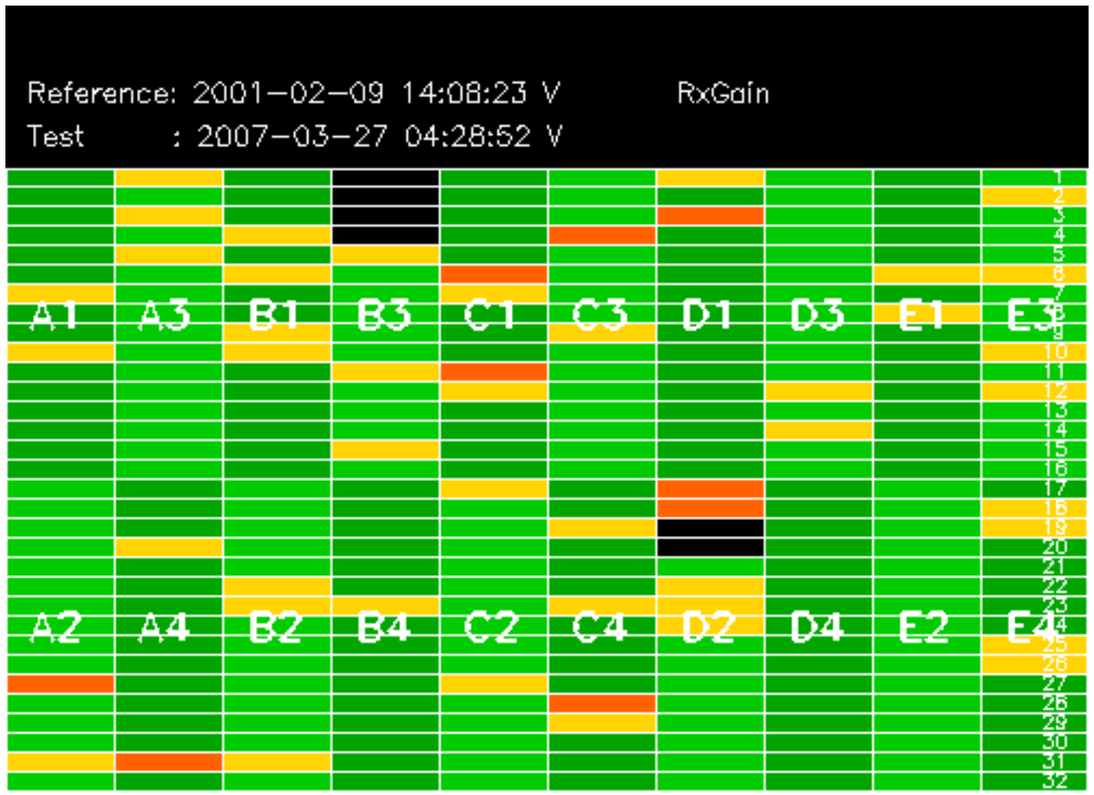

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −15.703292 Hz
−100Hz
+100Hz

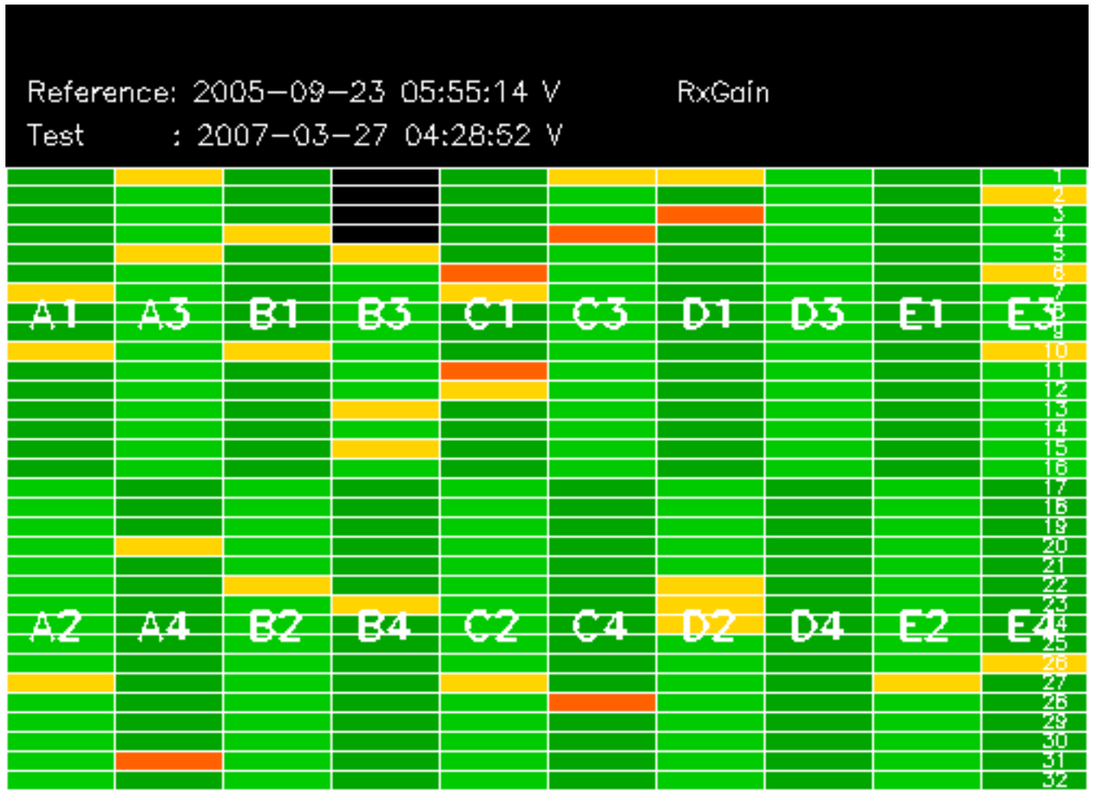
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-28 07:18:27 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 : 2007-03-28 07:18:27 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 : 2007-03-27 04:28:52 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 : 2007-03-27 04:28:52 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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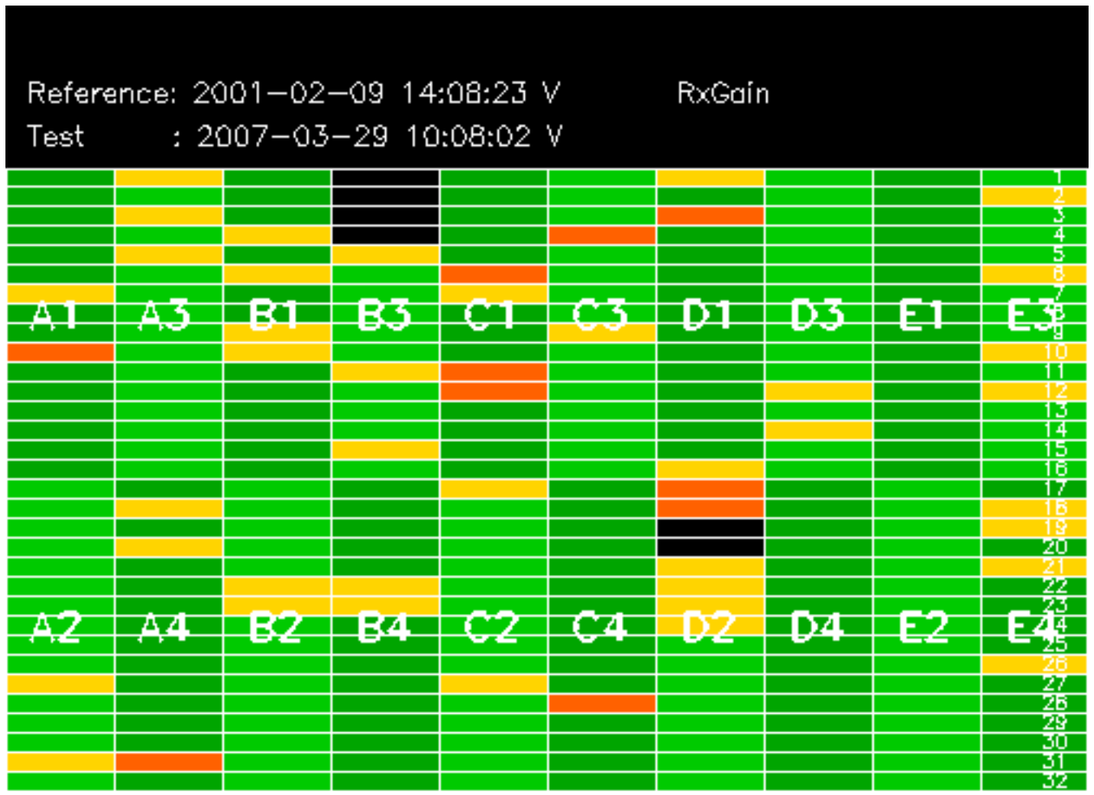
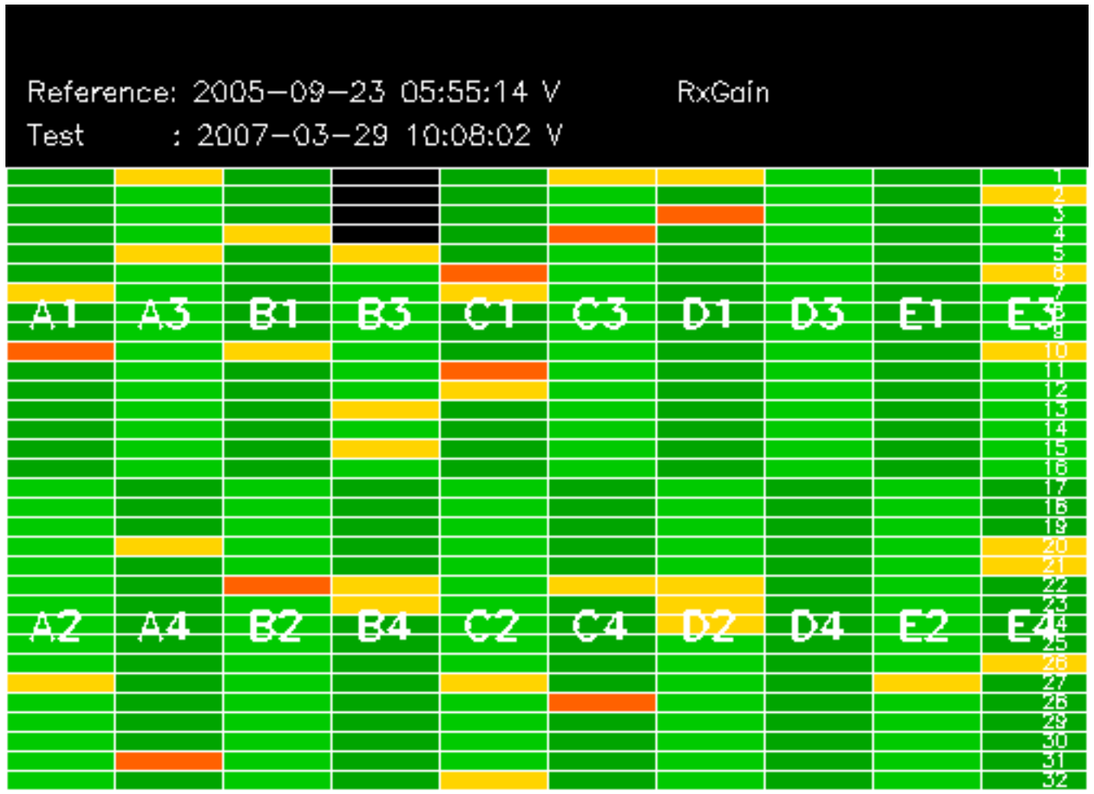

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-29 10:08:02 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-29 10:08:02 V
RxGain
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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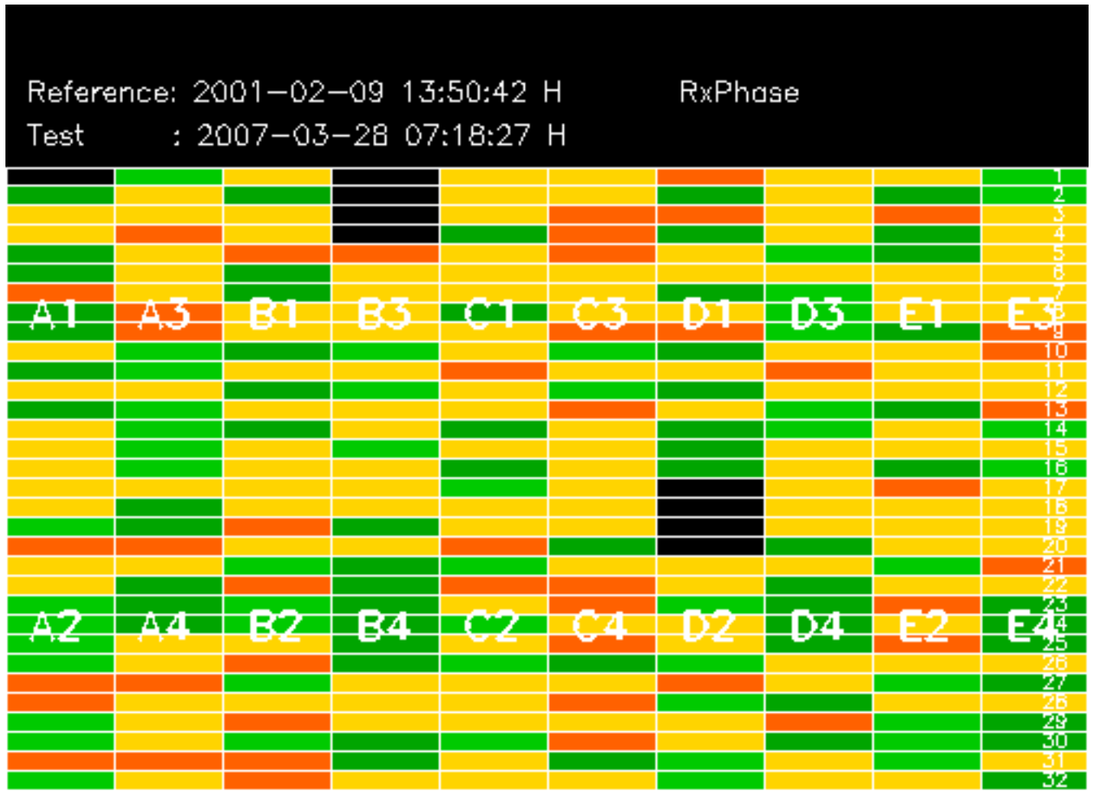
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-28 07:18:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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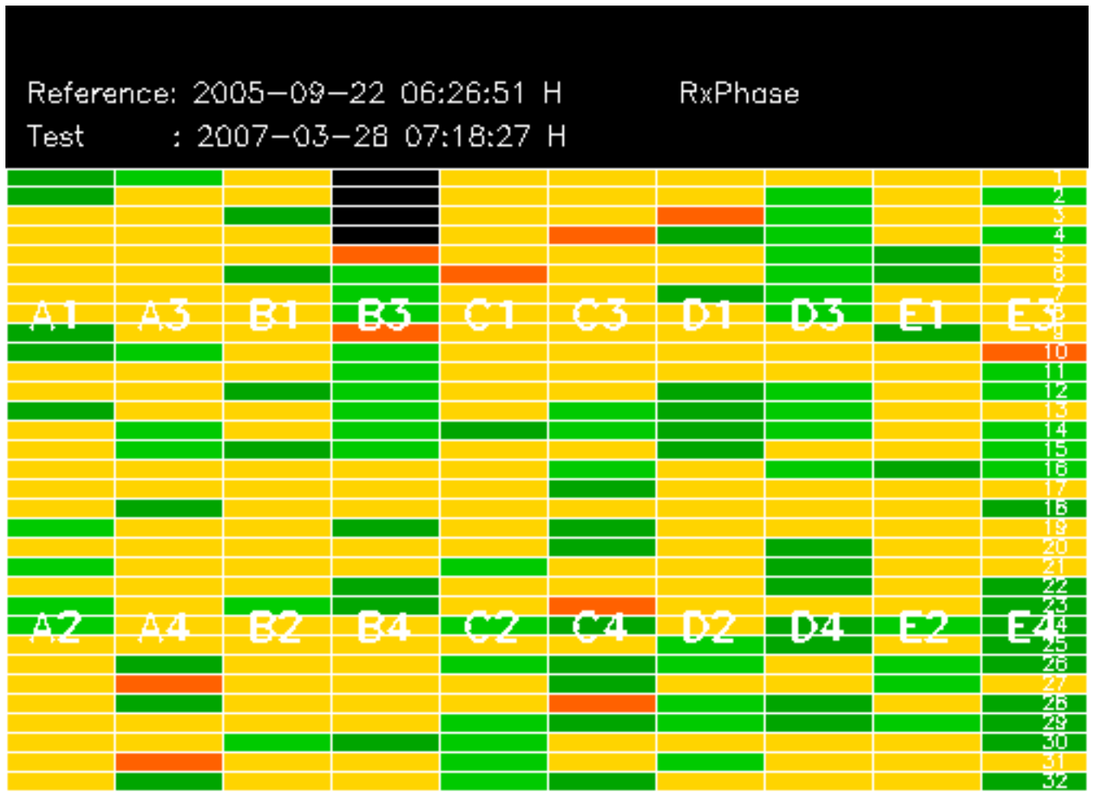
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-28 07:18:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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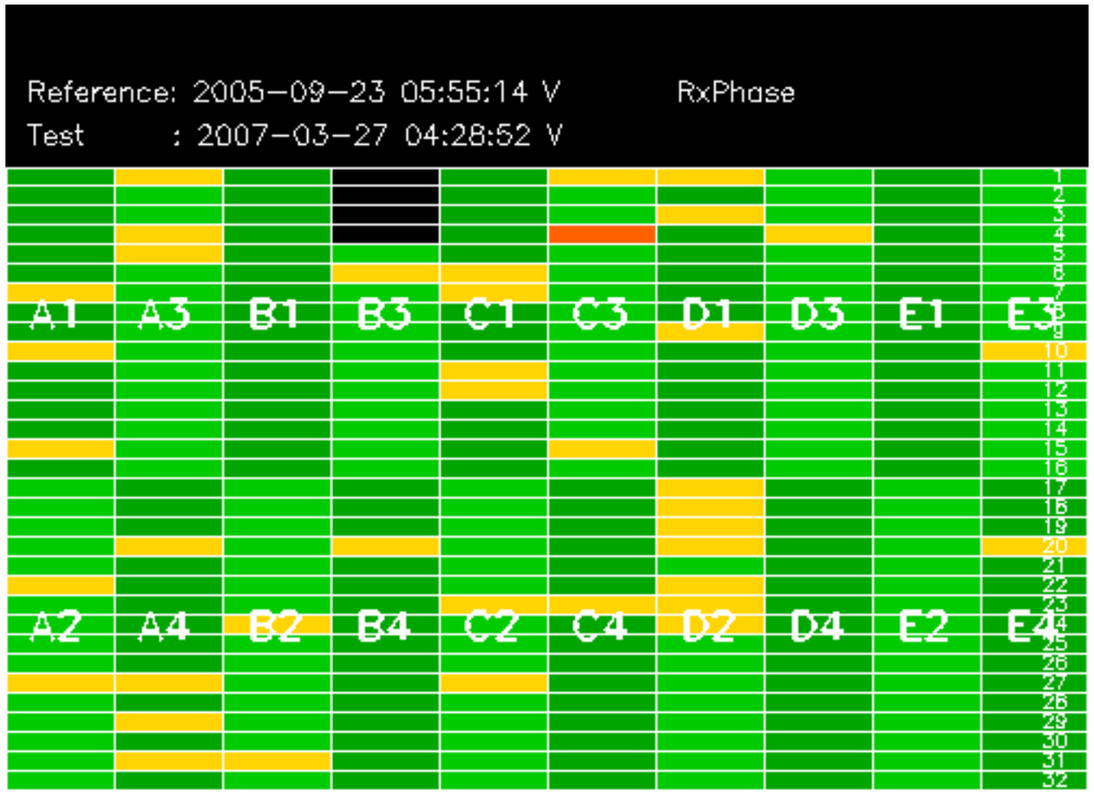
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
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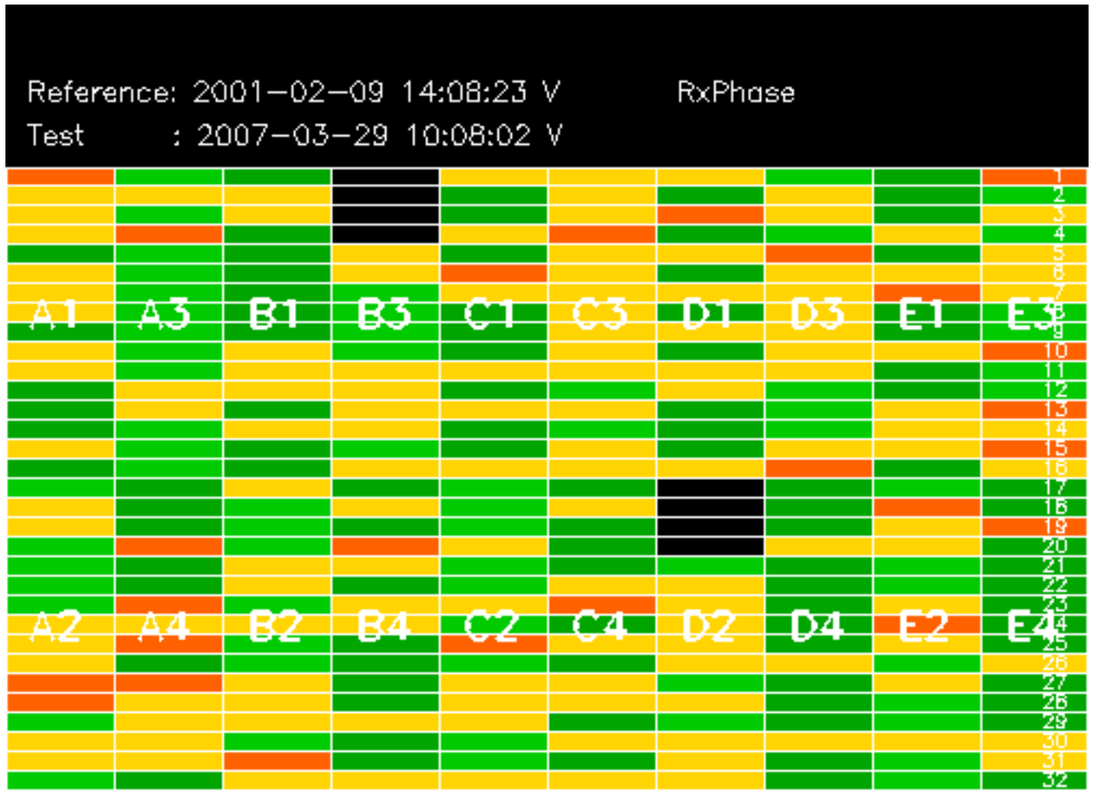
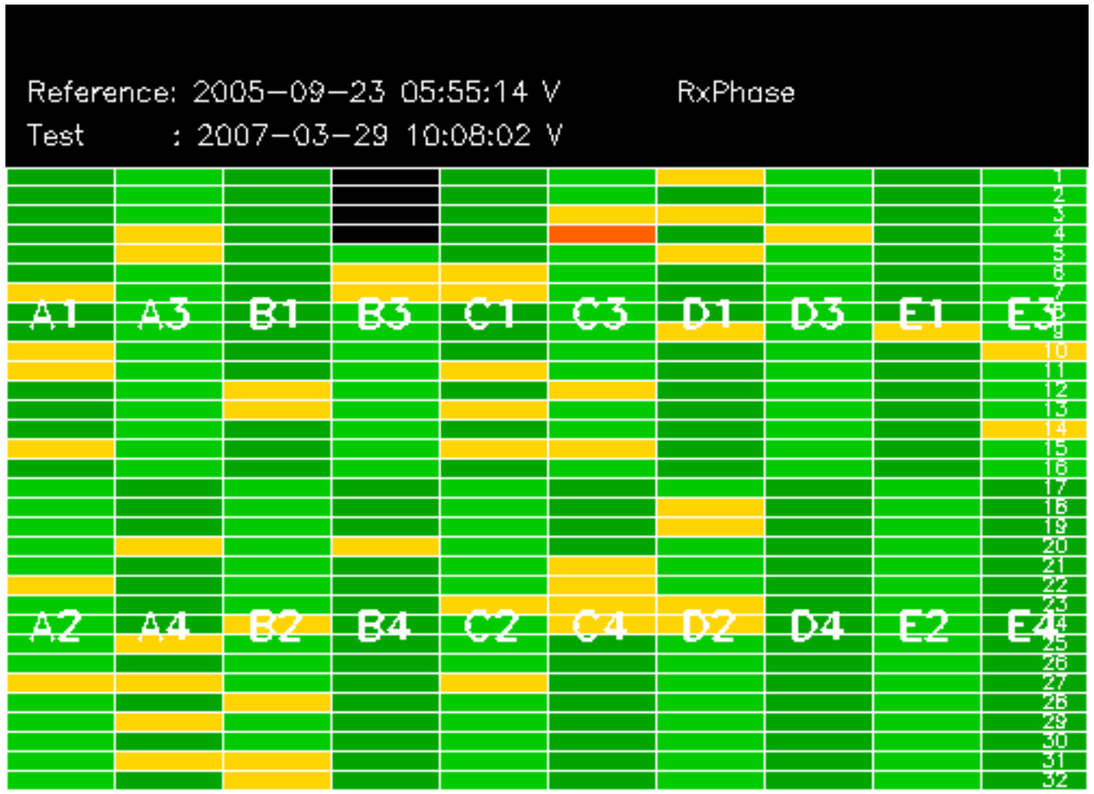

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-29 10:08:02 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-29 10:08:02 V
RxPhase
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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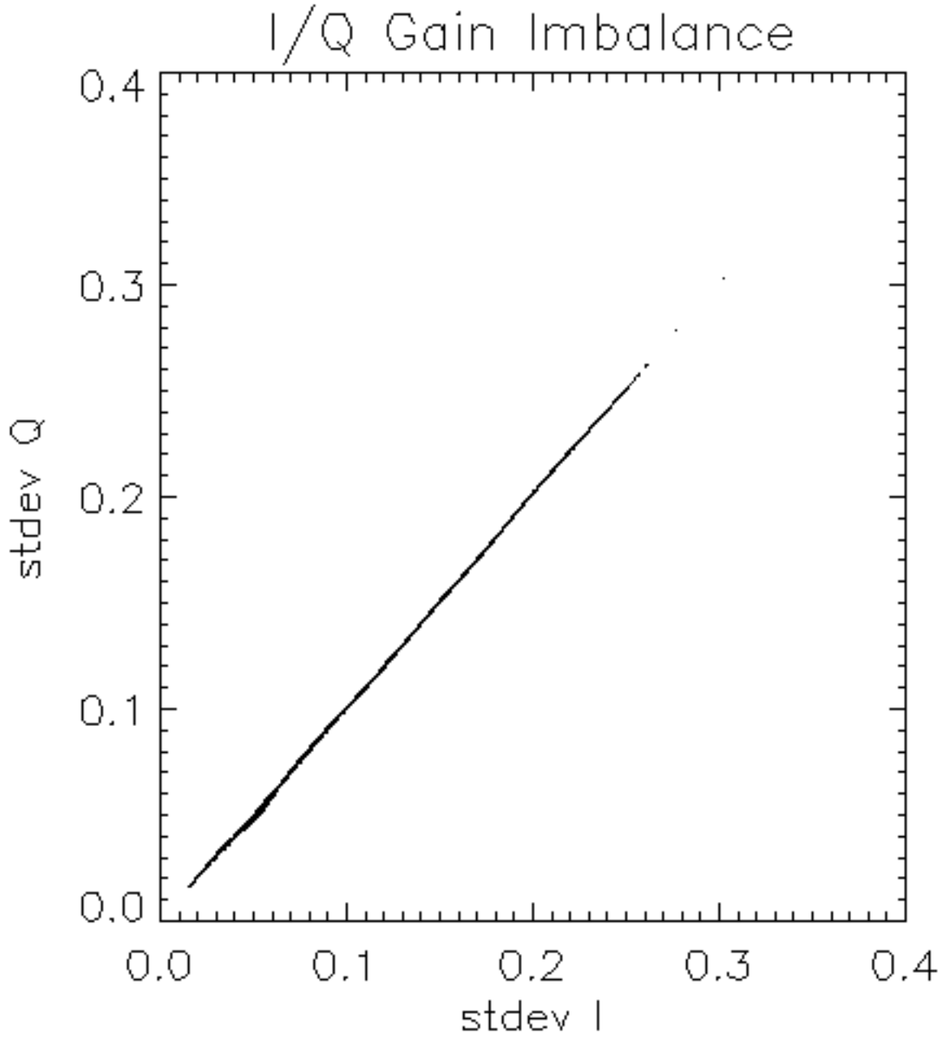
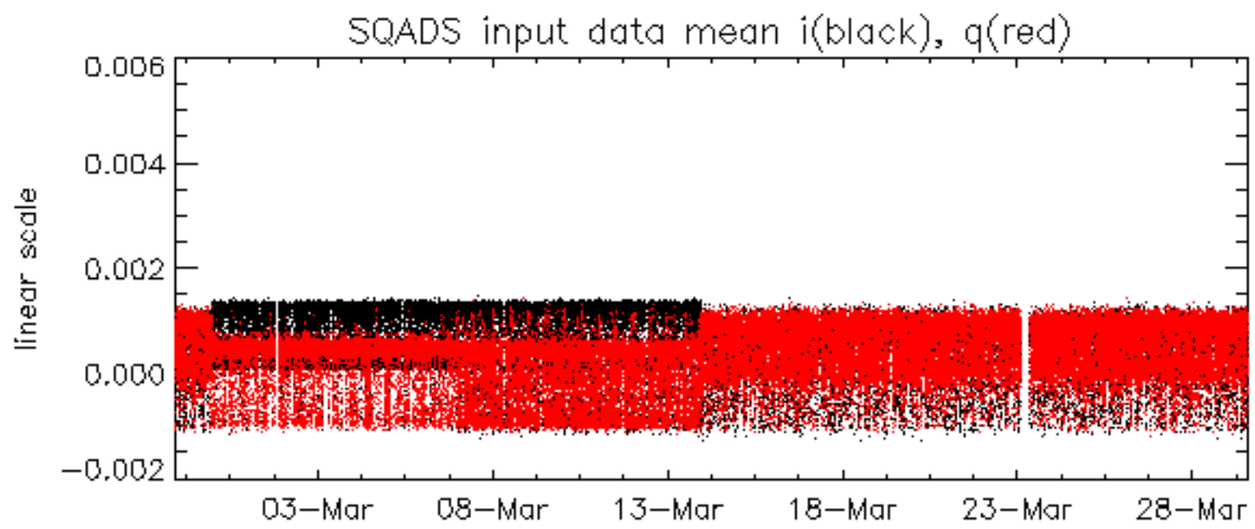
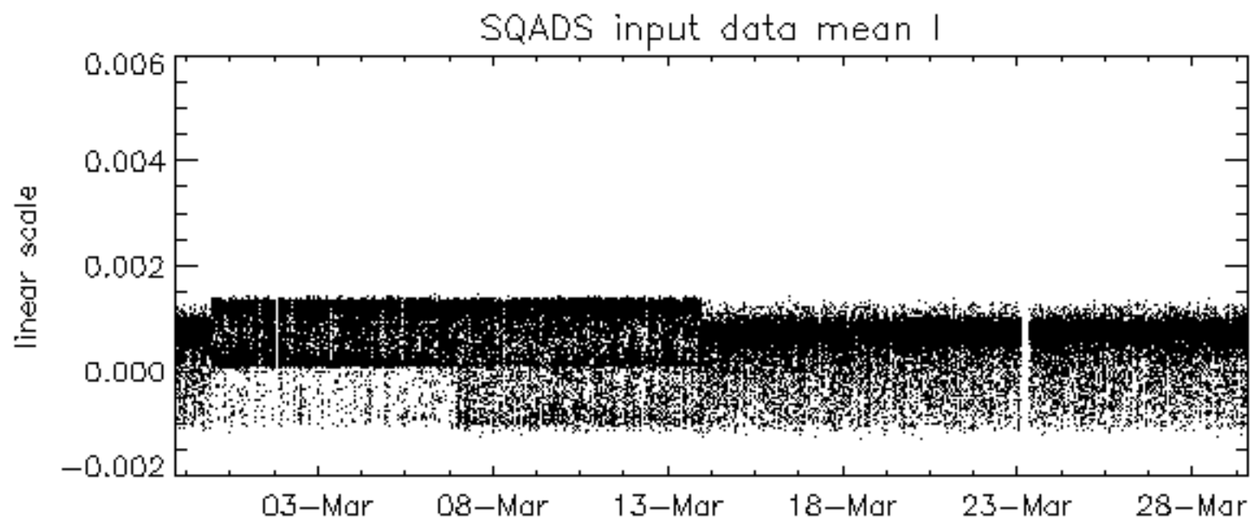
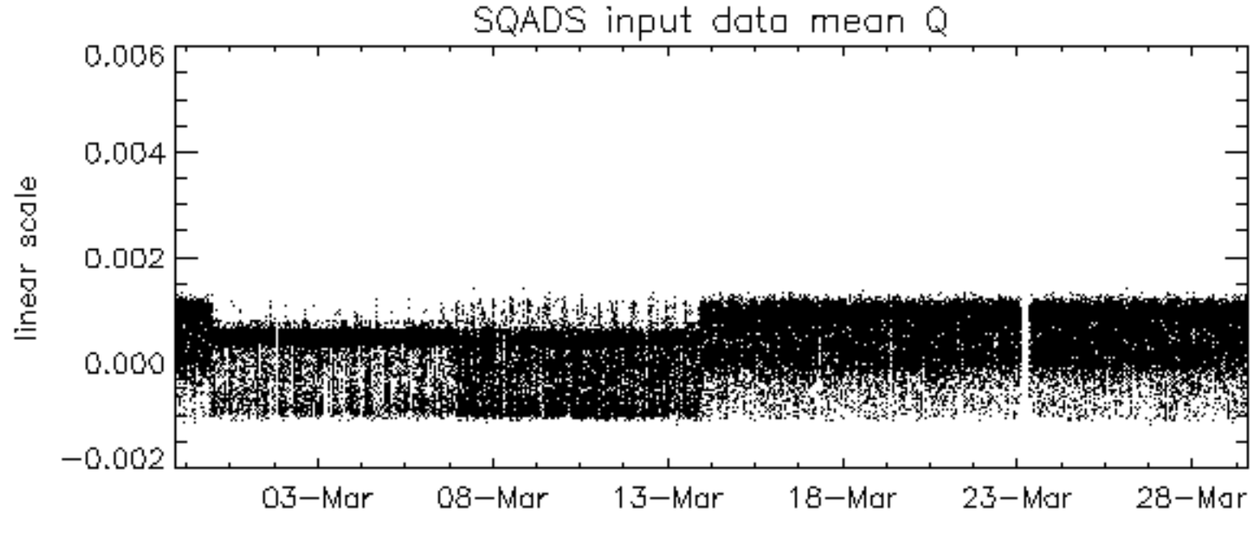
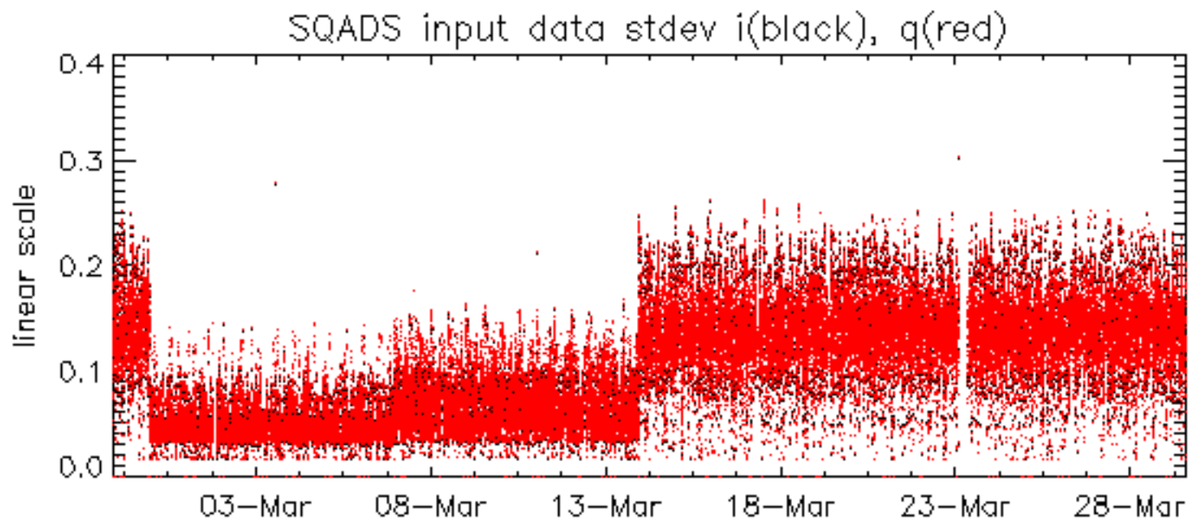
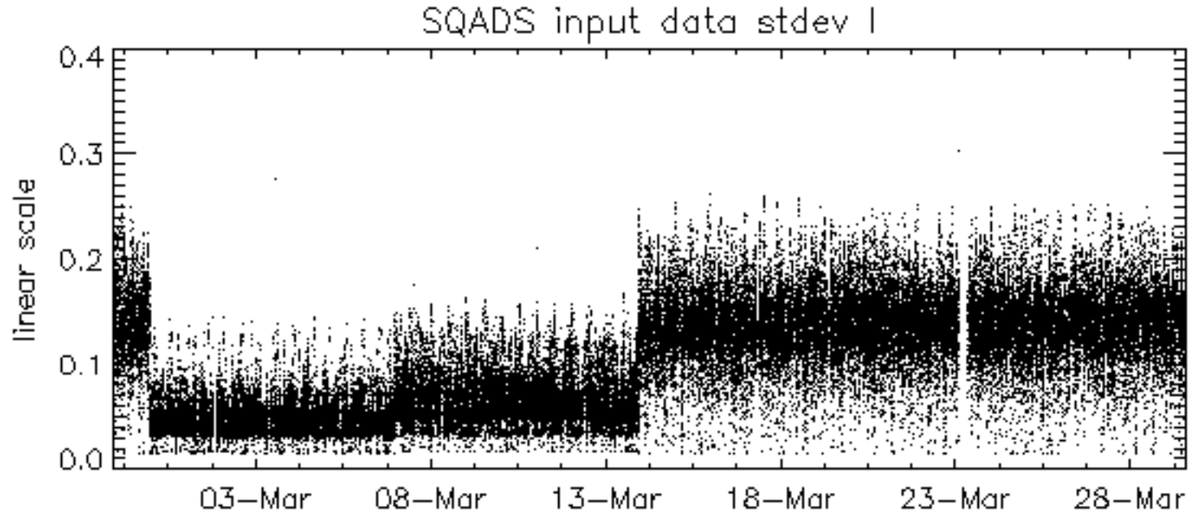

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

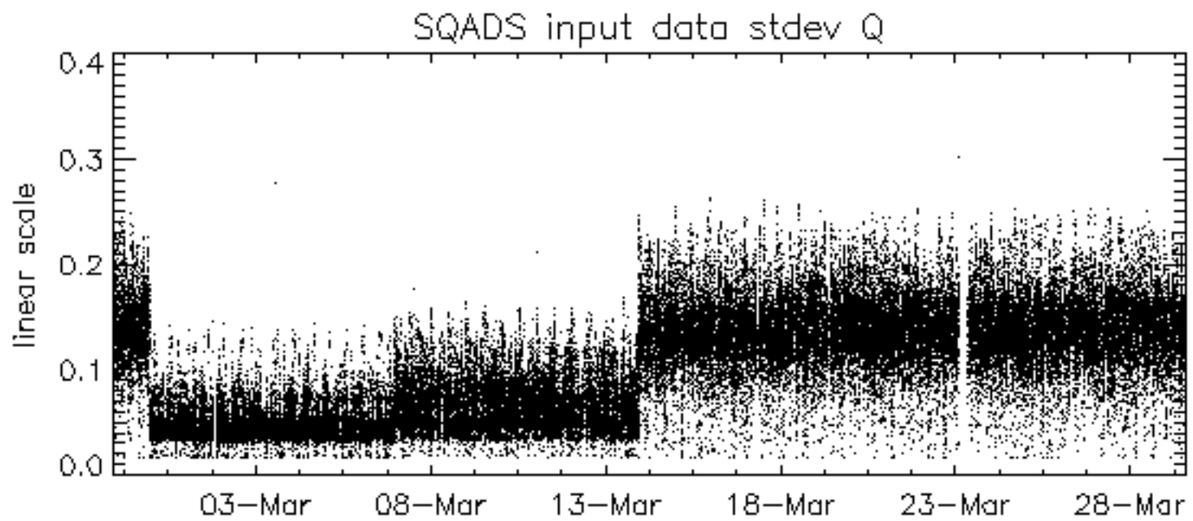

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar

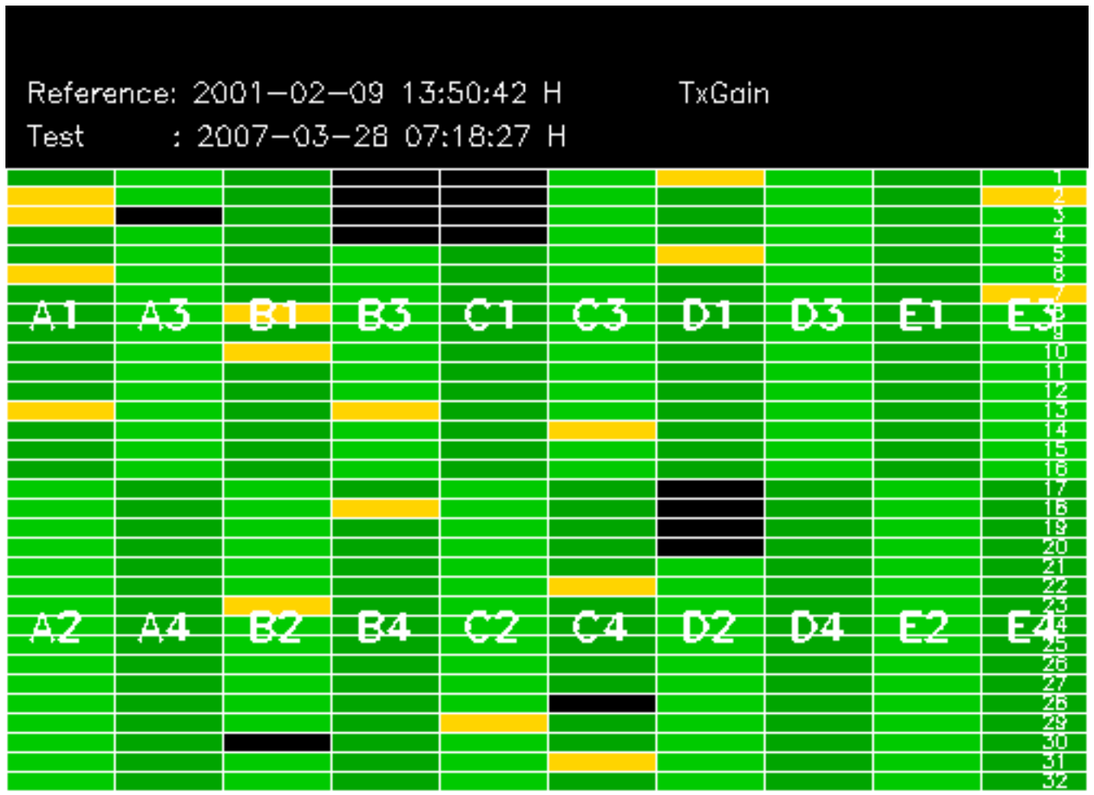

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar

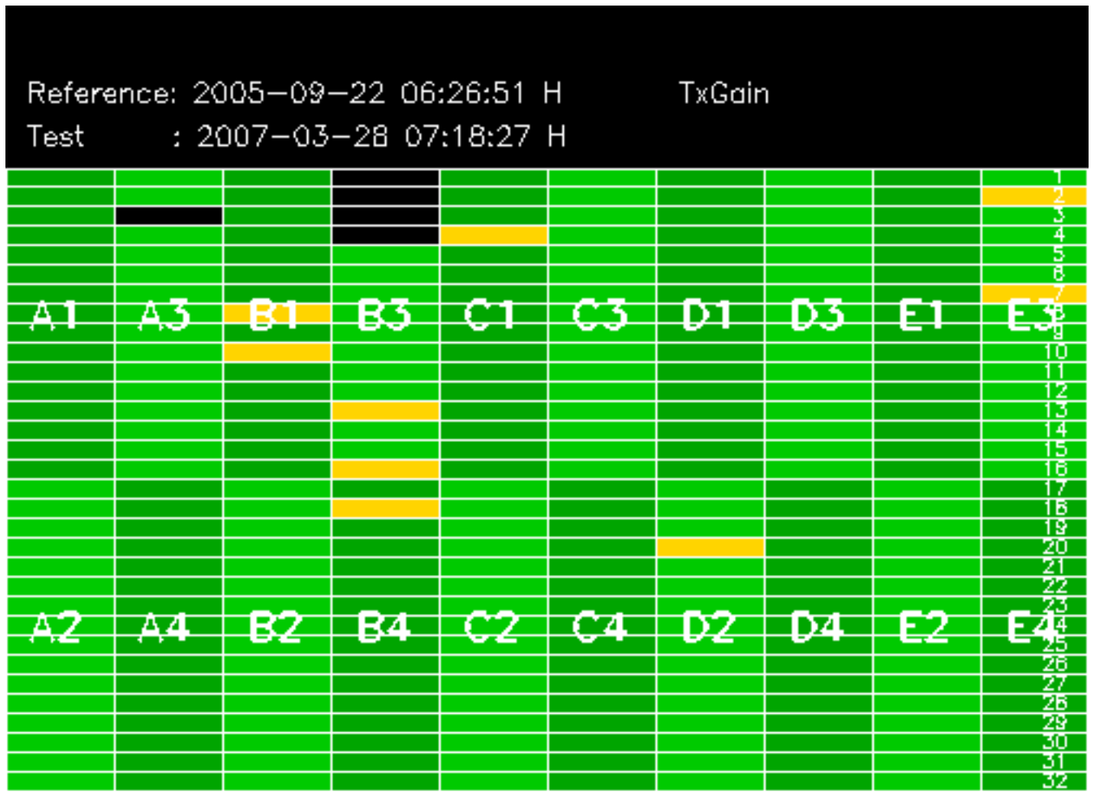

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-28 07:18:27 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 : 2007-03-28 07:18:27 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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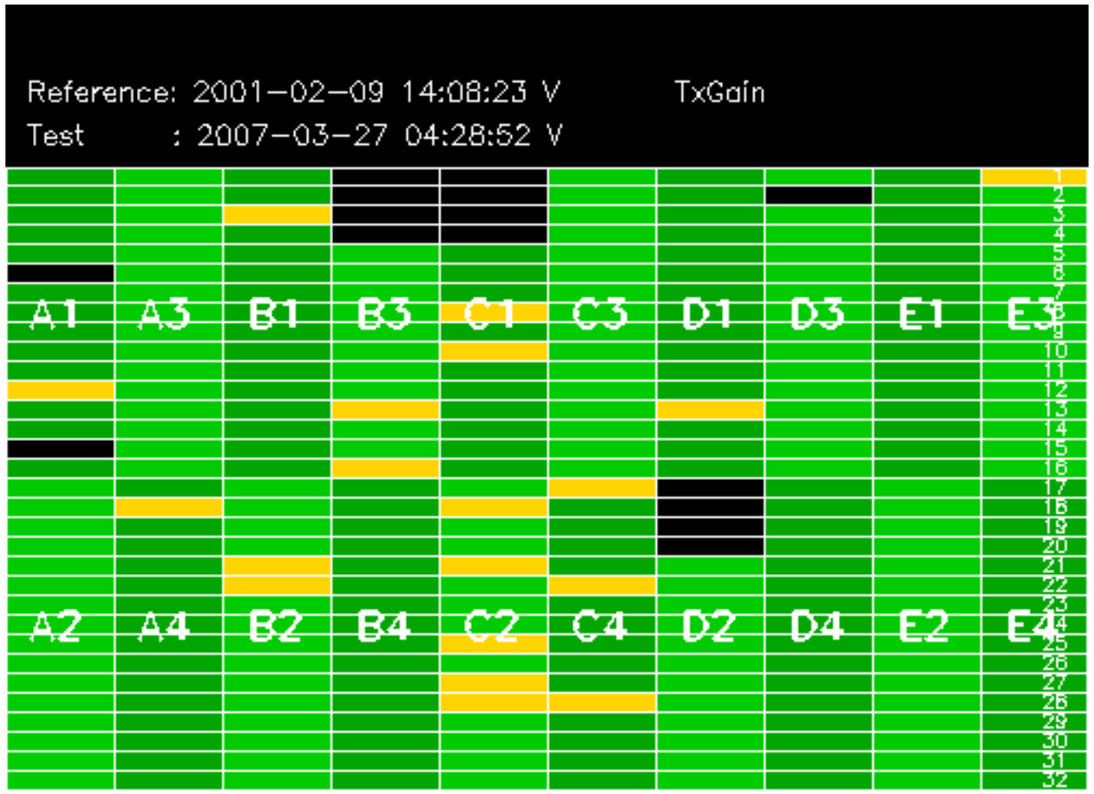
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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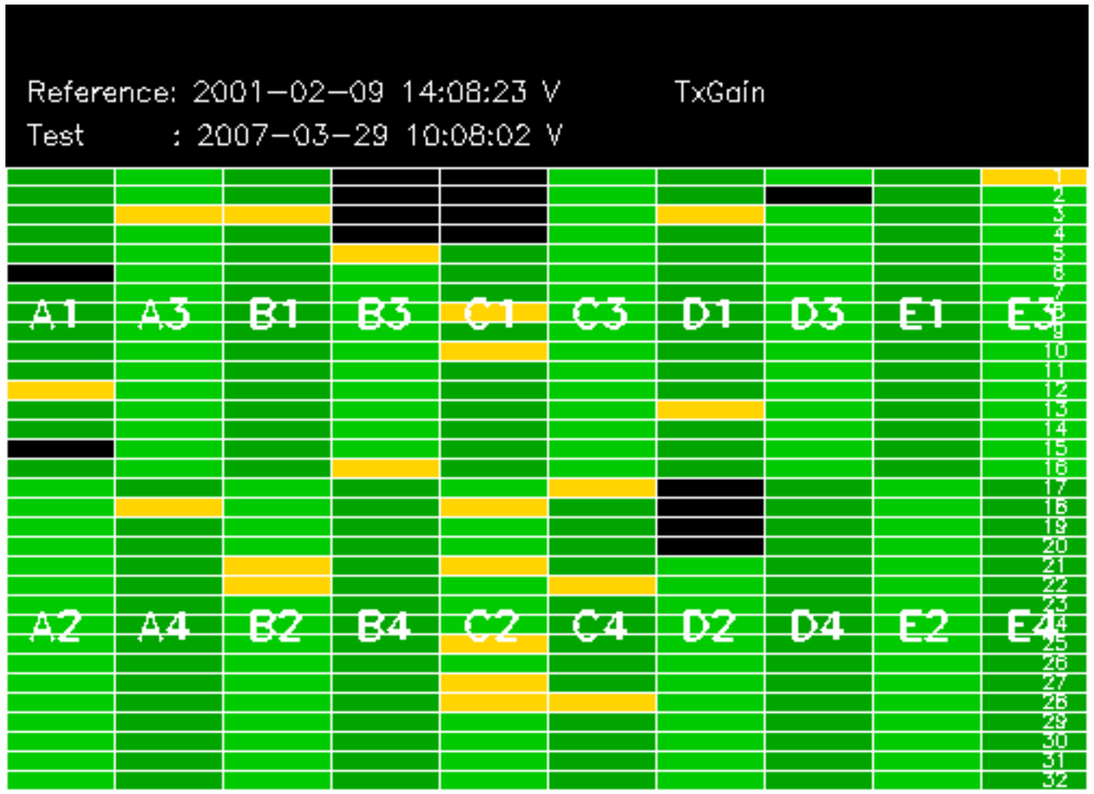
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-29 10:08:02 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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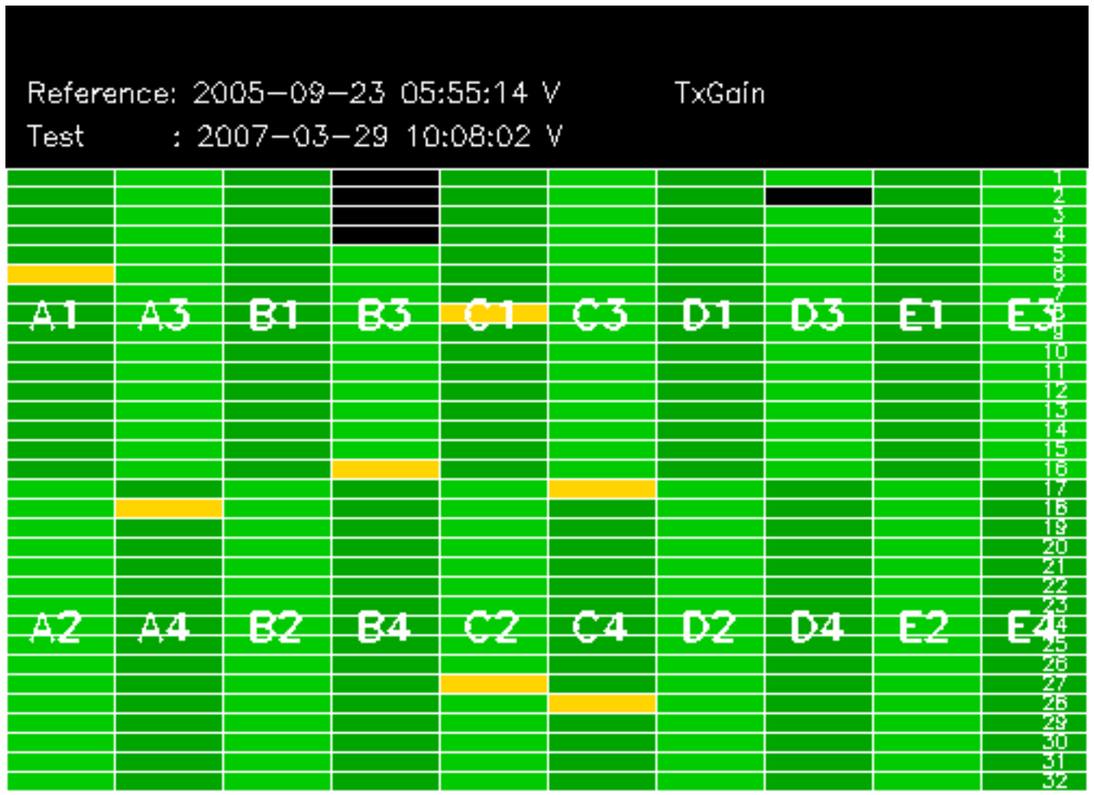
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-29 10:08:02 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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Summary of analysis for the last 3 days 2007032[789]
The assumptions is taken that the 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_1PNPDE20070328_143307_000000372056_00425_26531_0306.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070329_111415_000000602056_00438_26544_8744.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070328_172929_000005192056_00427_26533_7340.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070327_004727_000000852056_00403_26509_7928.N1 </td> <td>0 </td> <td>26 </td></tr>
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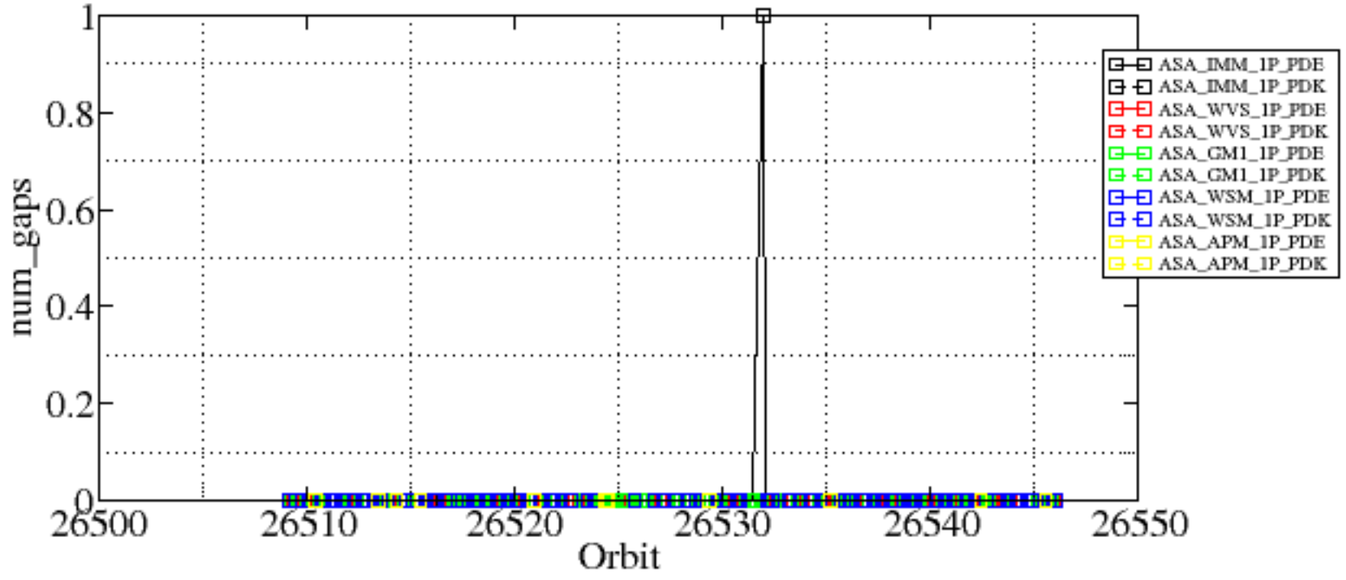
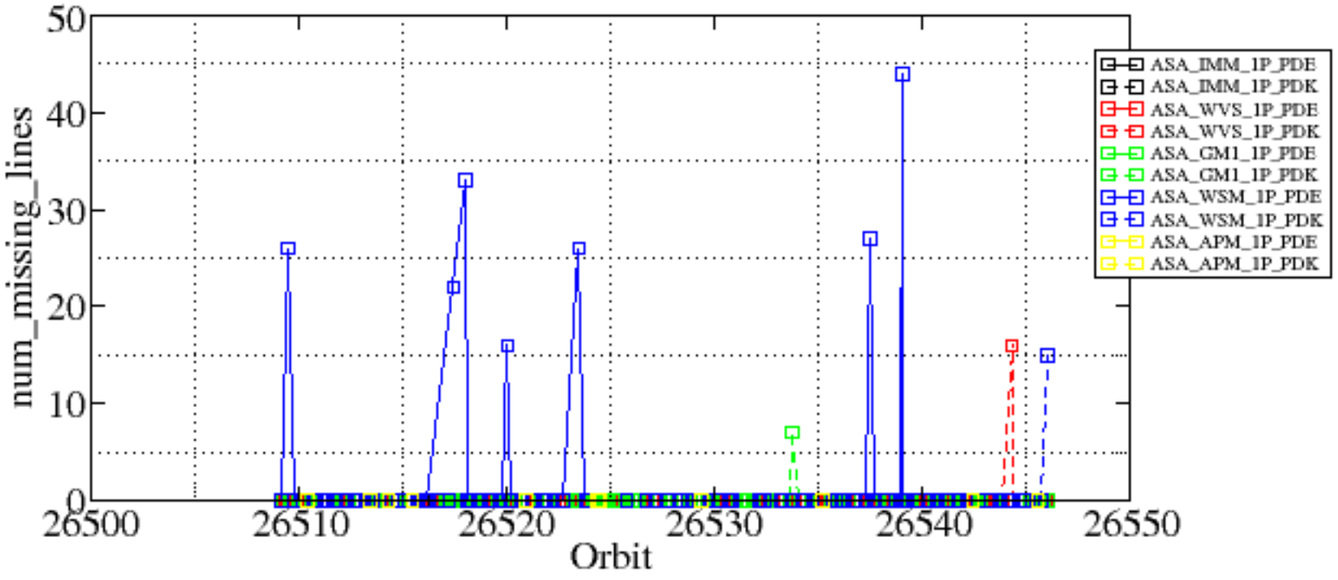
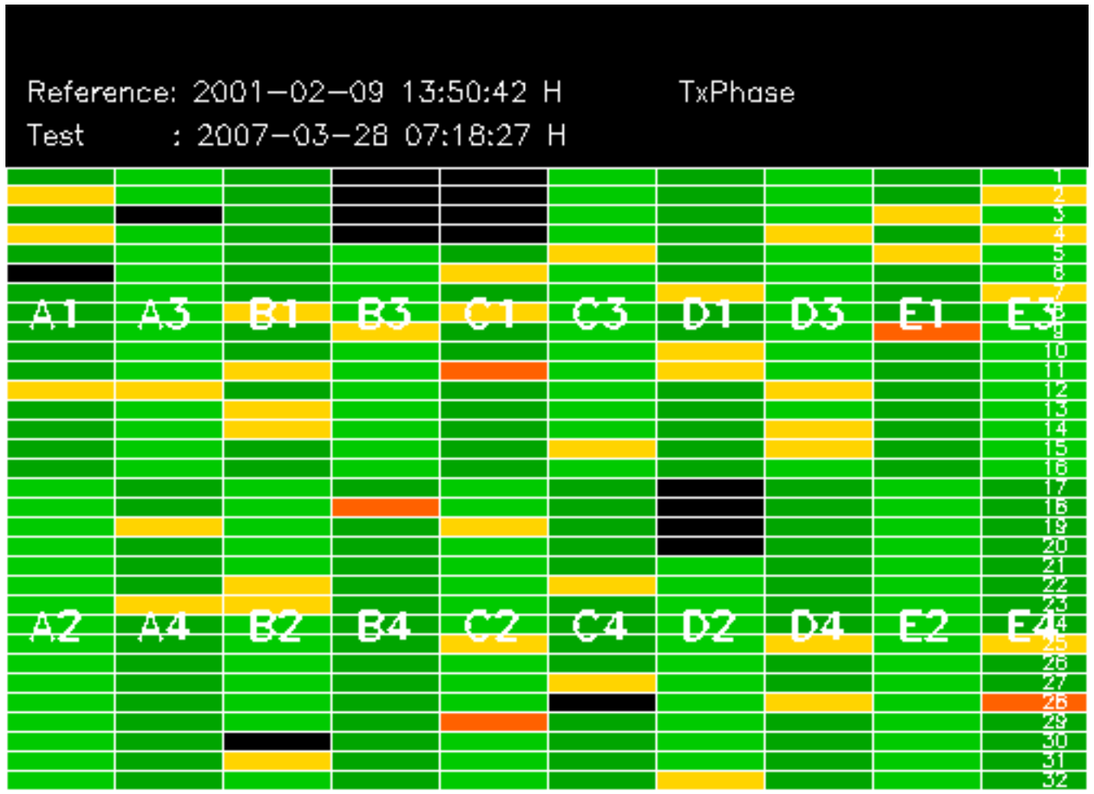
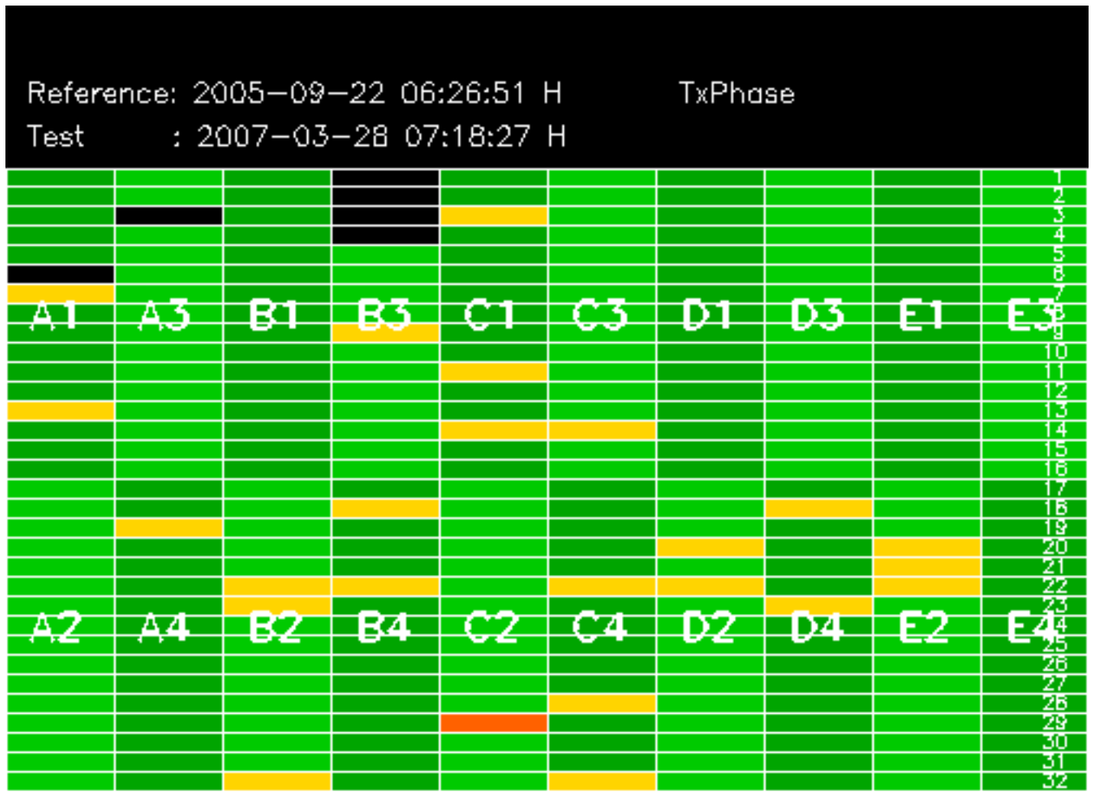

num_gaps
Orbit
1
0.8
0.6
0.4
0.2
0
26500
26510
26520
26530
26540
26550
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
Orbit
50
40
30
20
10
0
26500
26510
26520
26530
26540
26550
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 : 2007-03-28 07:18:27 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
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-28 07:18:27 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
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 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
15
16
17
18
19
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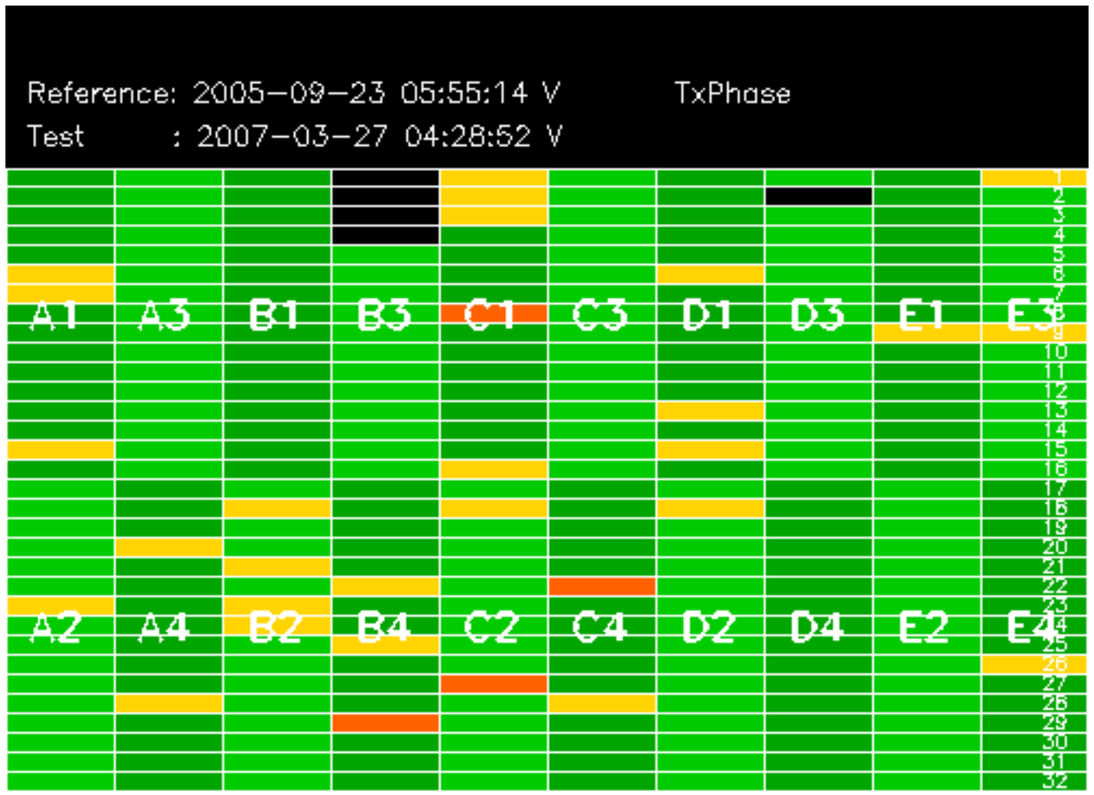
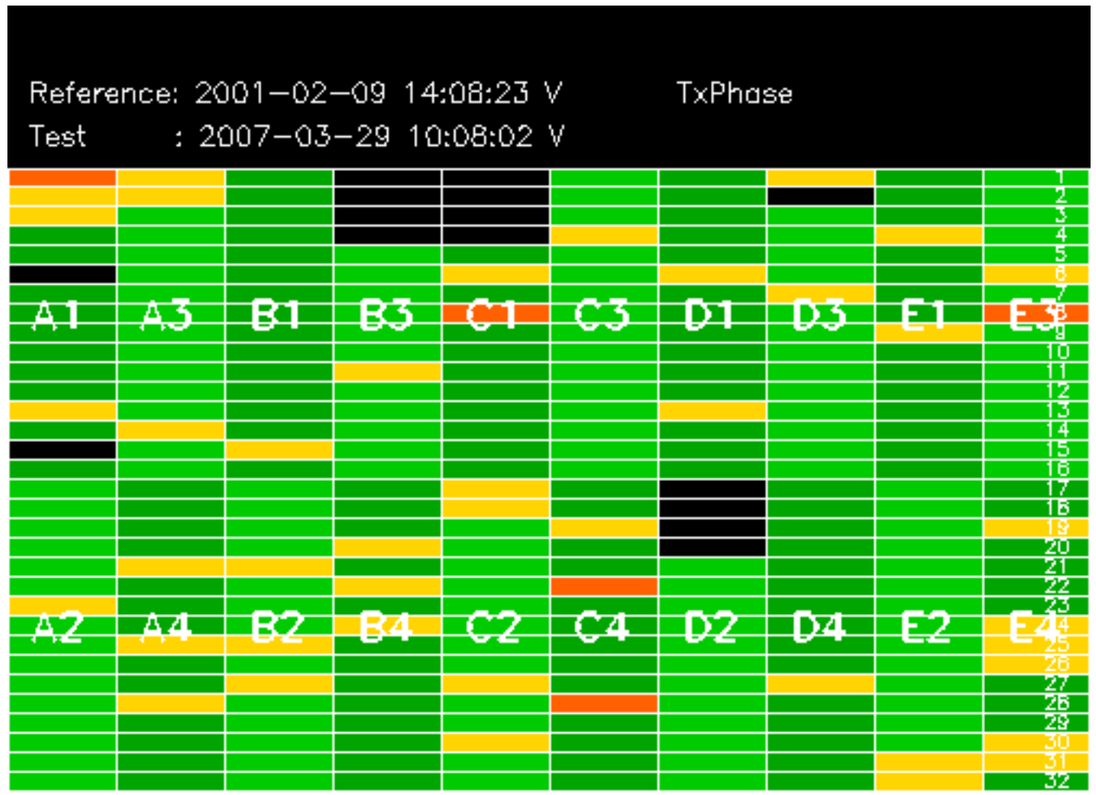
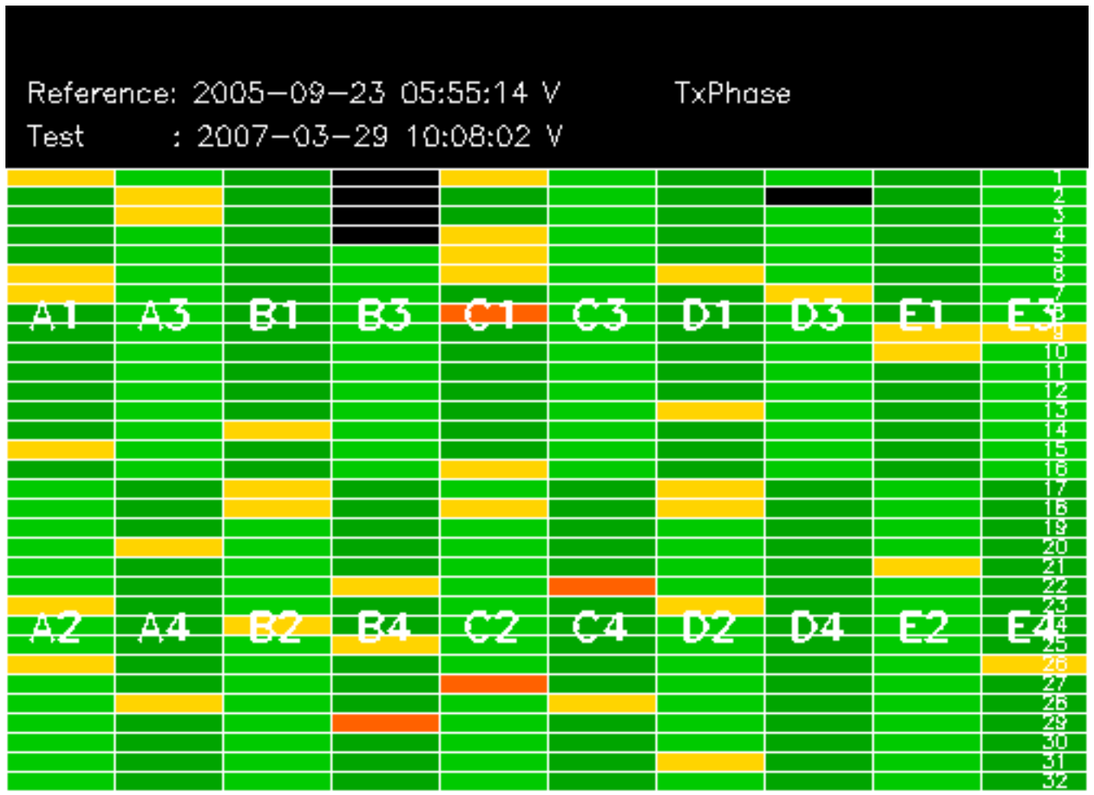
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
TxPhase
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 : 2007-03-29 10:08:02 V
TxPhase
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 : 2007-03-29 10:08:02 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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8
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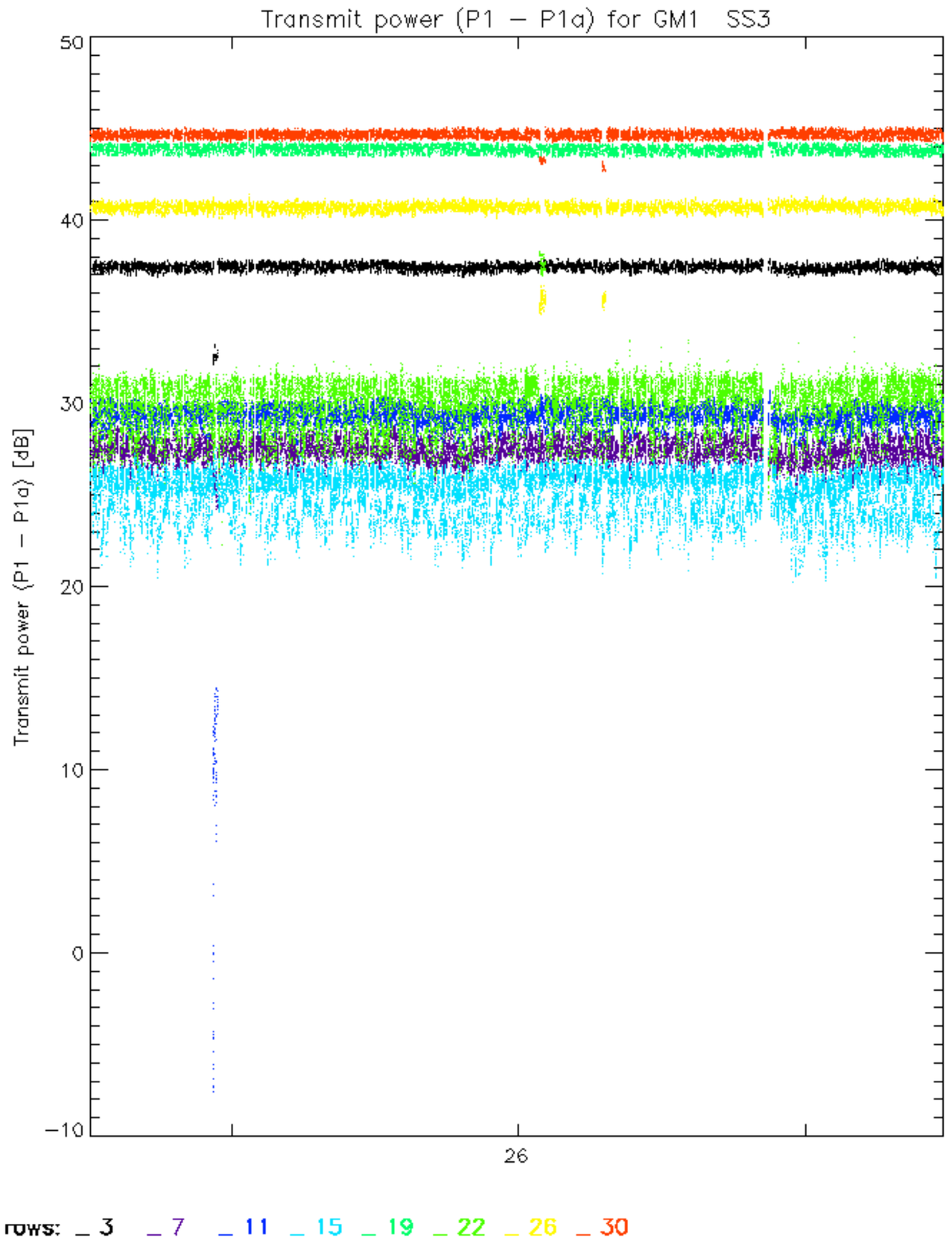
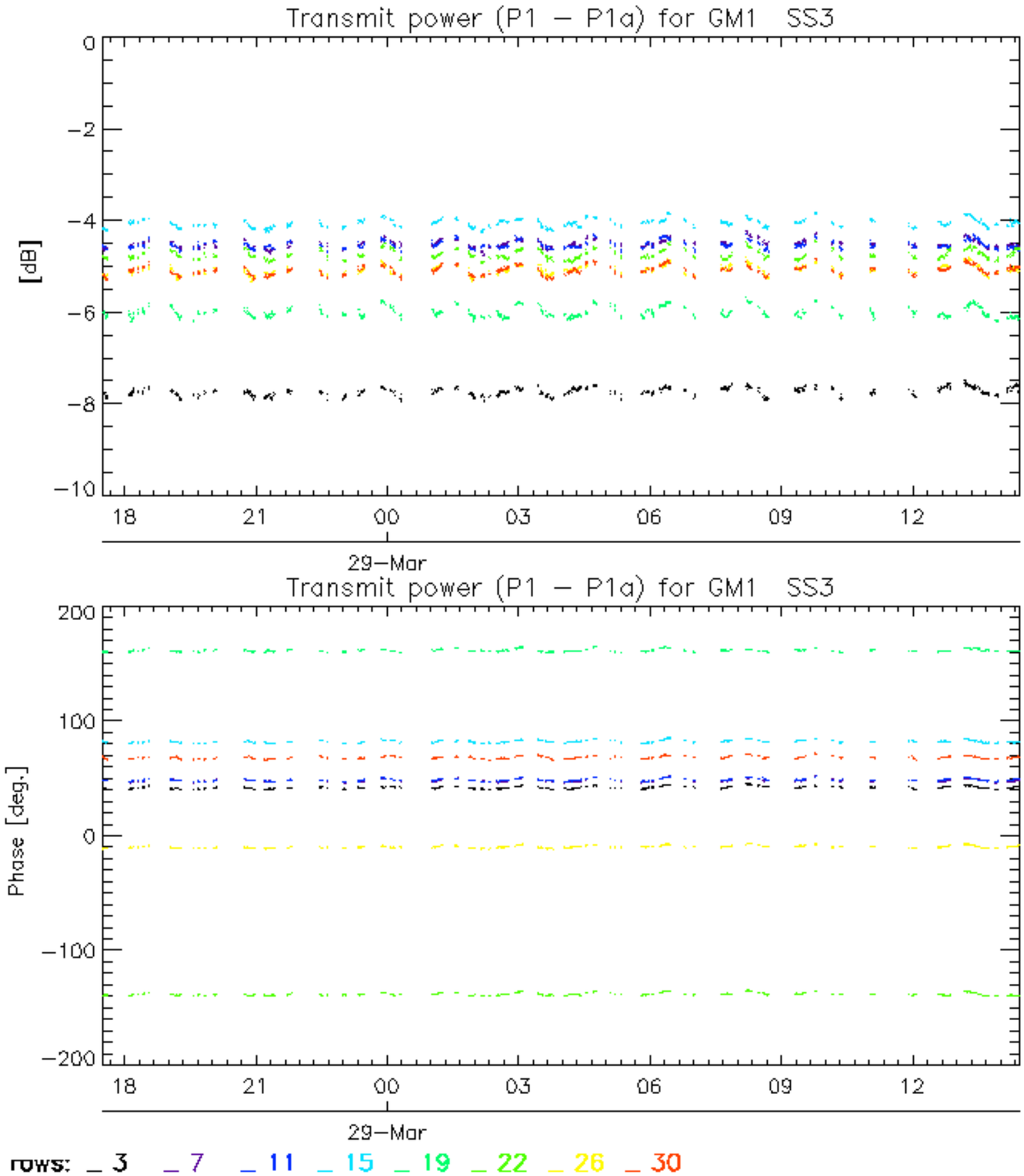
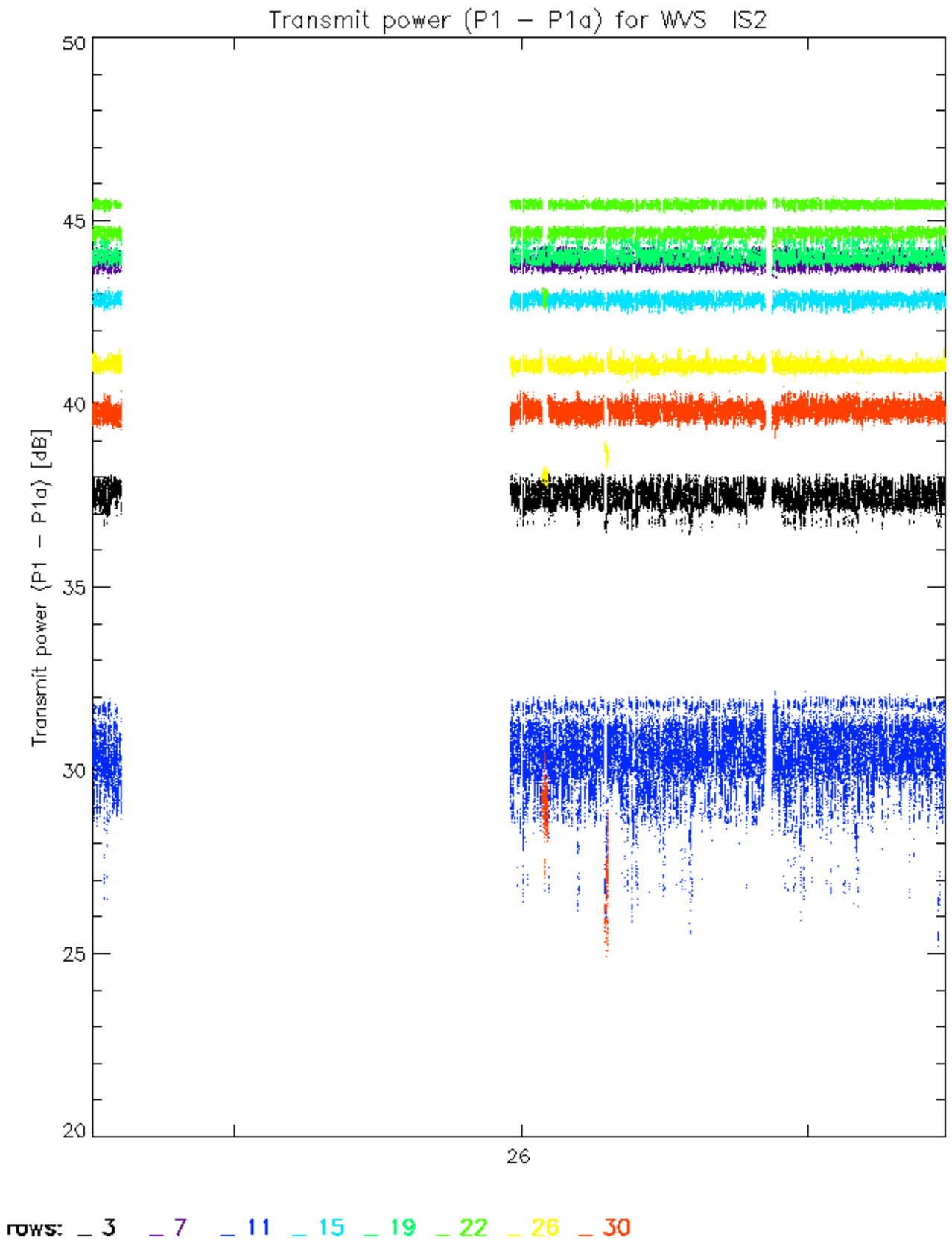
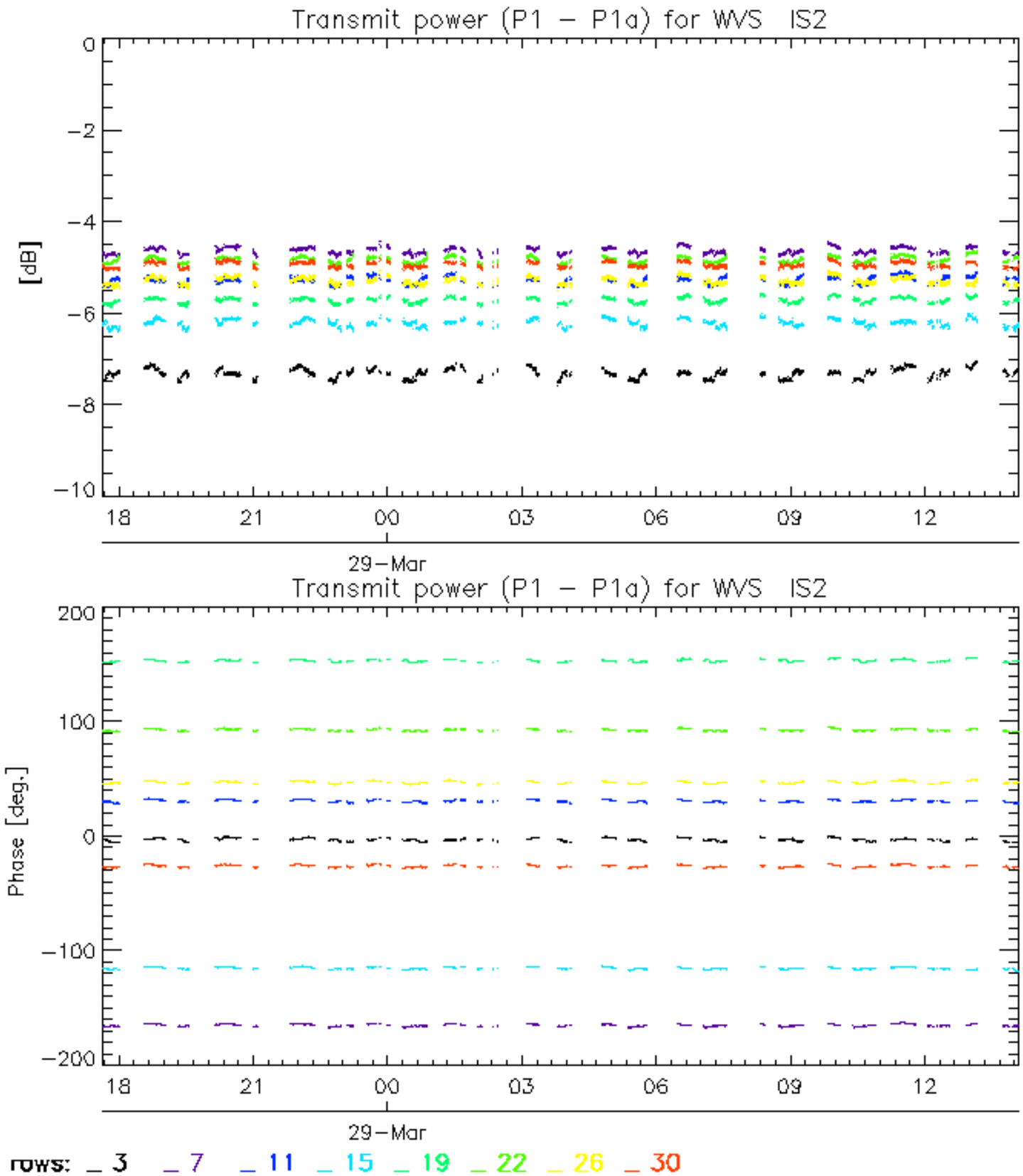
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
26
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
29–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
29–Mar
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
26
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
12
29−Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
12
29−Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.