PRELIMINARY REPORT OF 060320

last update on Mon Mar 20 16:32:47 GMT 2006

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 2006-03-19 00:00:00 to 2006-03-20 16:32:47

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	52	61	5	1	22
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	52	61	5	1	22
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	52	61	5	1	22
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	52	61	5	1	22

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	38	42	29	12	59
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	38	42	29	12	59
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	38	42	29	12	59
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	42	29	12	59

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	20060319 095336
H	20060320 092159

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)

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.002468	0.009334	-0.003903
7	P1	-3.008500	0.008489	-0.028921
11	P1	-4.061723	0.019912	0.022145
15	P1	-6.086428	0.021013	-0.058077
19	P1	-3.293048	0.006682	-0.041720
22	P1	-4.459641	0.014424	-0.023293
26	P1	-4.184522	0.110953	0.189534
30	P1	-5.790242	0.166909	0.097120
3	P1	-16.982939	0.247661	0.043213
7	P1	-16.725691	0.100710	-0.123928
11	P1	-16.495829	0.324503	0.097763
15	P1	-13.053061	0.094364	-0.027261
19	P1	-13.940966	0.053002	-0.107903
22	P1	-15.574937	0.459114	-0.076269
26	P1	-15.744078	0.374589	0.022128
30	P1	-16.494379	0.324382	-0.132291

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.394381	0.086828	0.079885
7	P2	-22.366020	0.096326	0.120665
11	P2	-16.224586	0.100886	0.040592
15	P2	-7.163535	0.098714	-0.004532
19	P2	-9.131966	0.091538	-0.007579
22	P2	-17.942553	0.089310	-0.068814
26	P2	-16.212664	0.095083	-0.041533
30	P2	-19.648293	0.084585	-0.036232

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.194030	0.005822	-0.005528
7	P3	-8.194030	0.005822	-0.005528
11	P3	-8.194030	0.005822	-0.005528
15	P3	-8.194030	0.005822	-0.005528
19	P3	-8.194030	0.005822	-0.005528
22	P3	-8.194030	0.005822	-0.005528
26	P3	-8.194030	0.005822	-0.005528
30	P3	-8.194030	0.005822	-0.005527

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

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

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.834582	2.856789	0.306656
7	P1	-2.821633	2.999196	0.379227
11	P1	-3.014596	3.019868	0.350473
15	P1	-3.659950	2.993696	0.374829
19	P1	-3.460971	2.900359	0.300565
22	P1	-5.257712	2.666284	0.288448
26	P1	-5.922903	2.855861	0.618507
30	P1	-5.266415	2.708501	0.408847
3	P1	-11.640903	1.879558	0.249984
7	P1	-10.035594	2.081872	0.259981
11	P1	-10.334932	2.074791	0.230087
15	P1	-10.882270	2.086606	0.232947
19	P1	-15.460901	1.538735	0.179623
22	P1	-20.315542	2.193223	0.087931

26	P1	-16.290720	2.068309	0.142643
30	P1	-18.294796	1.751295	0.485713

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.090321	1.976705	0.099858
7	P2	-22.538837	2.315711	-0.076353
11	P2	-11.269023	2.146215	0.169255
15	P2	-4.906650	2.788556	0.287540
19	P2	-6.915320	2.509787	0.273177
22	P2	-8.206141	2.353862	0.218280
26	P2	-23.903307	2.369040	-0.279940
30	P2	-22.039291	2.235716	-0.165574

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.022907	0.002507	0.005848
7	P3	-8.022951	0.002501	0.005678
11	P3	-8.022900	0.002515	0.005823
15	P3	-8.022998	0.002512	0.005646
19	P3	-8.022884	0.002512	0.005338
22	P3	-8.022960	0.002507	0.005582
26	P3	-8.022979	0.002505	0.005459
30	P3	-8.022841	0.002513	0.005757

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	0.000557305
	stdev	1.74969e-07
MEAN Q	mean	0.000516613
	stdev	2.20907e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.138147
	stdev	0.00118557
STDEV Q	mean	0.138509
	stdev	0.00120356

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006031[890]
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_1PNPDE20060310_124102_000000362045_00453_21048_0326.N1	1	0
ASA_IMM_1PNPDE20060318_005019_000002372046_00059_21155_1081.N1	1	0
ASA_WSM_1PNPDE20060318_160549_000002022046_00069_21165_1344.N1	0	34

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

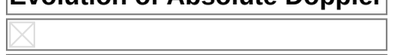
Evolution of unbiased Doppler error (Real - Expected)

Acsending

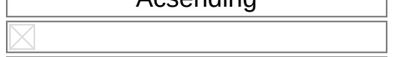
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



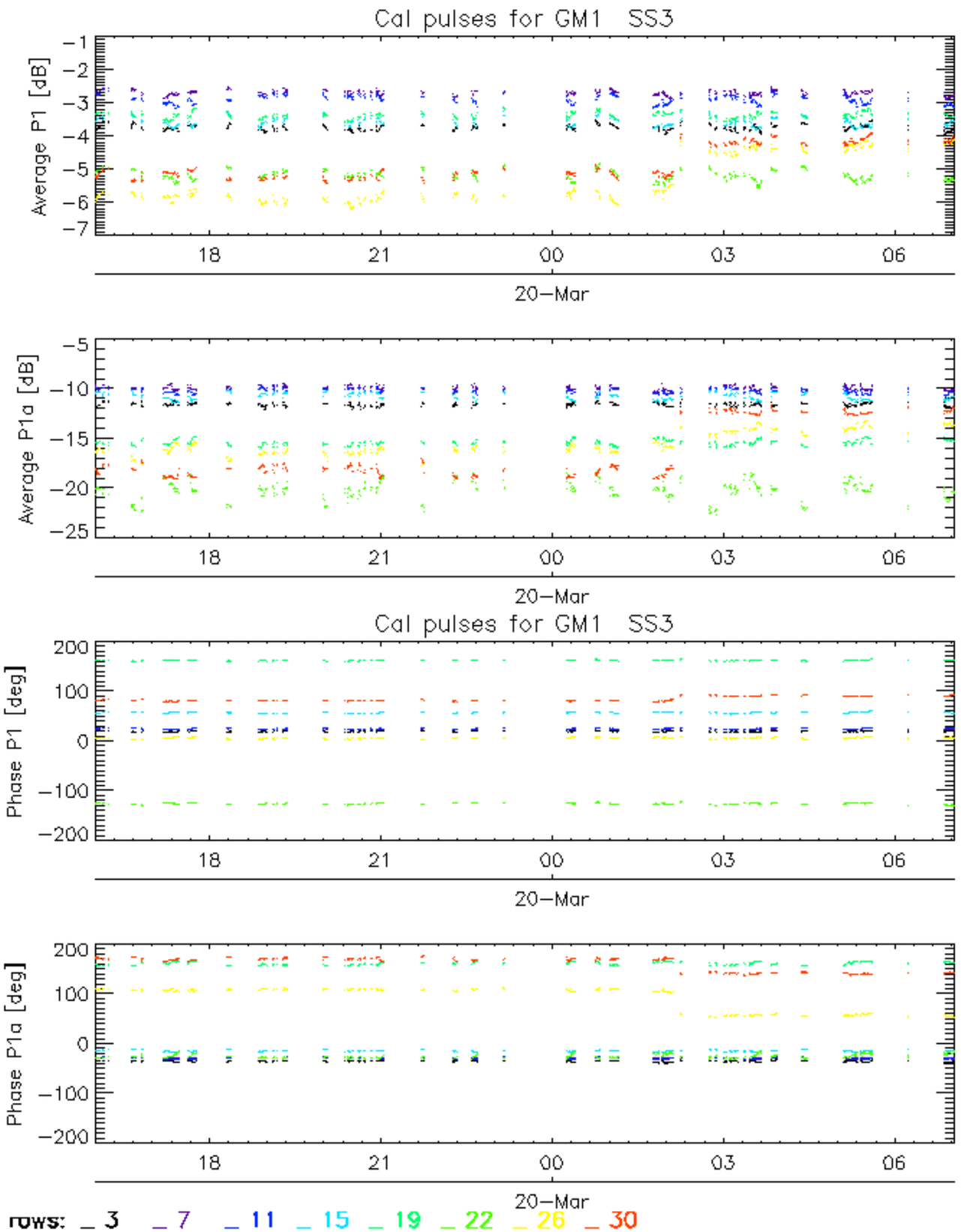
Acsending

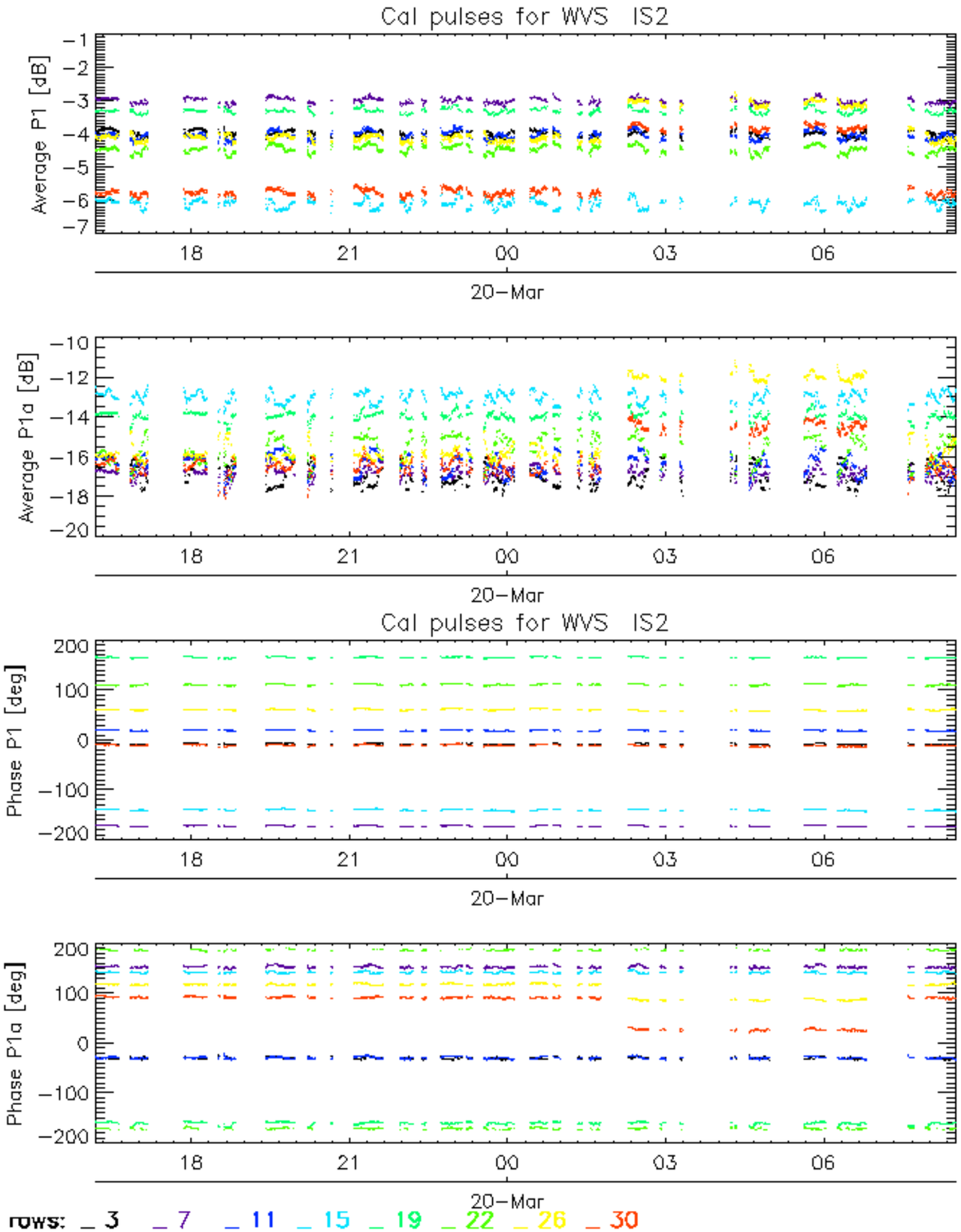


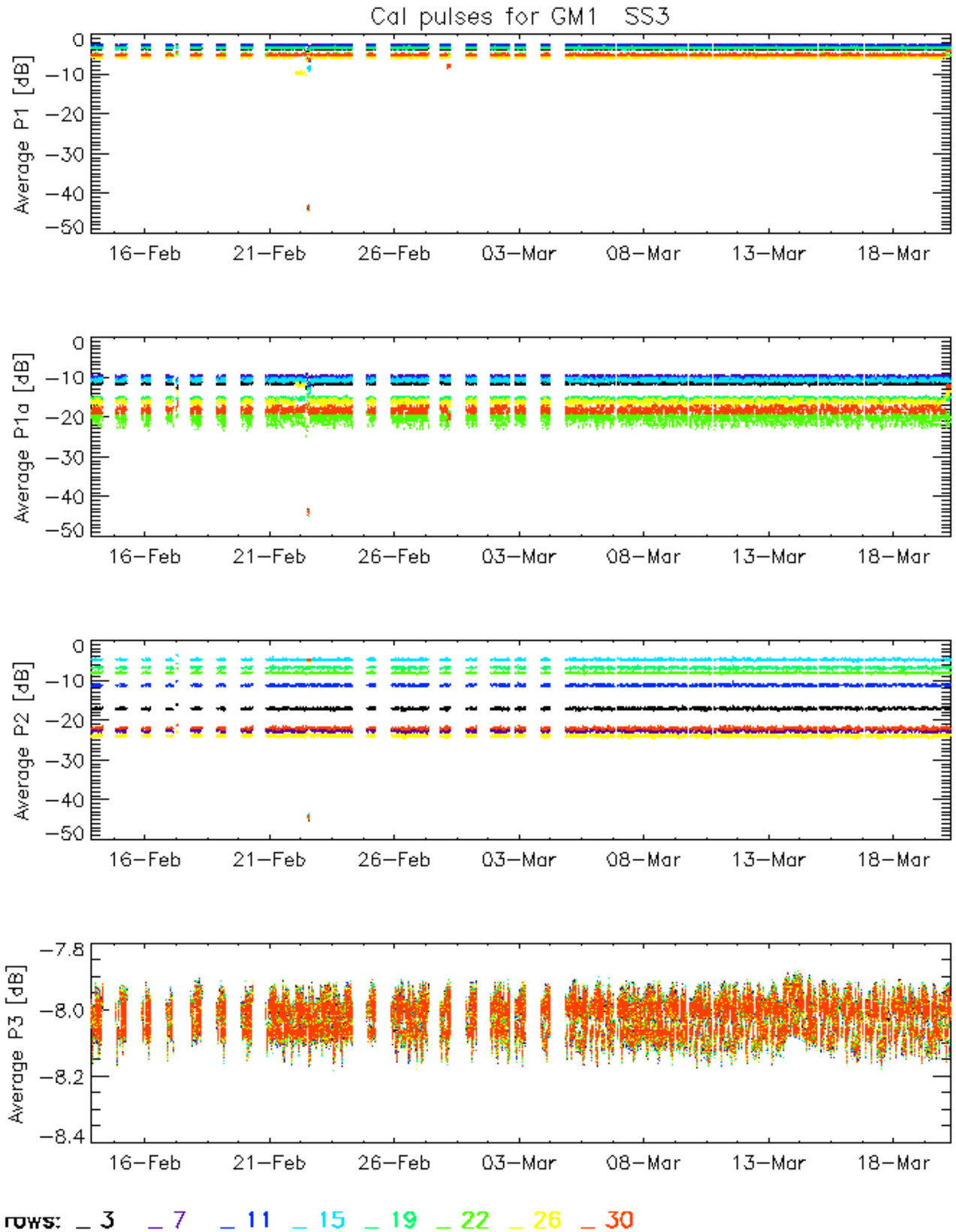
Descending

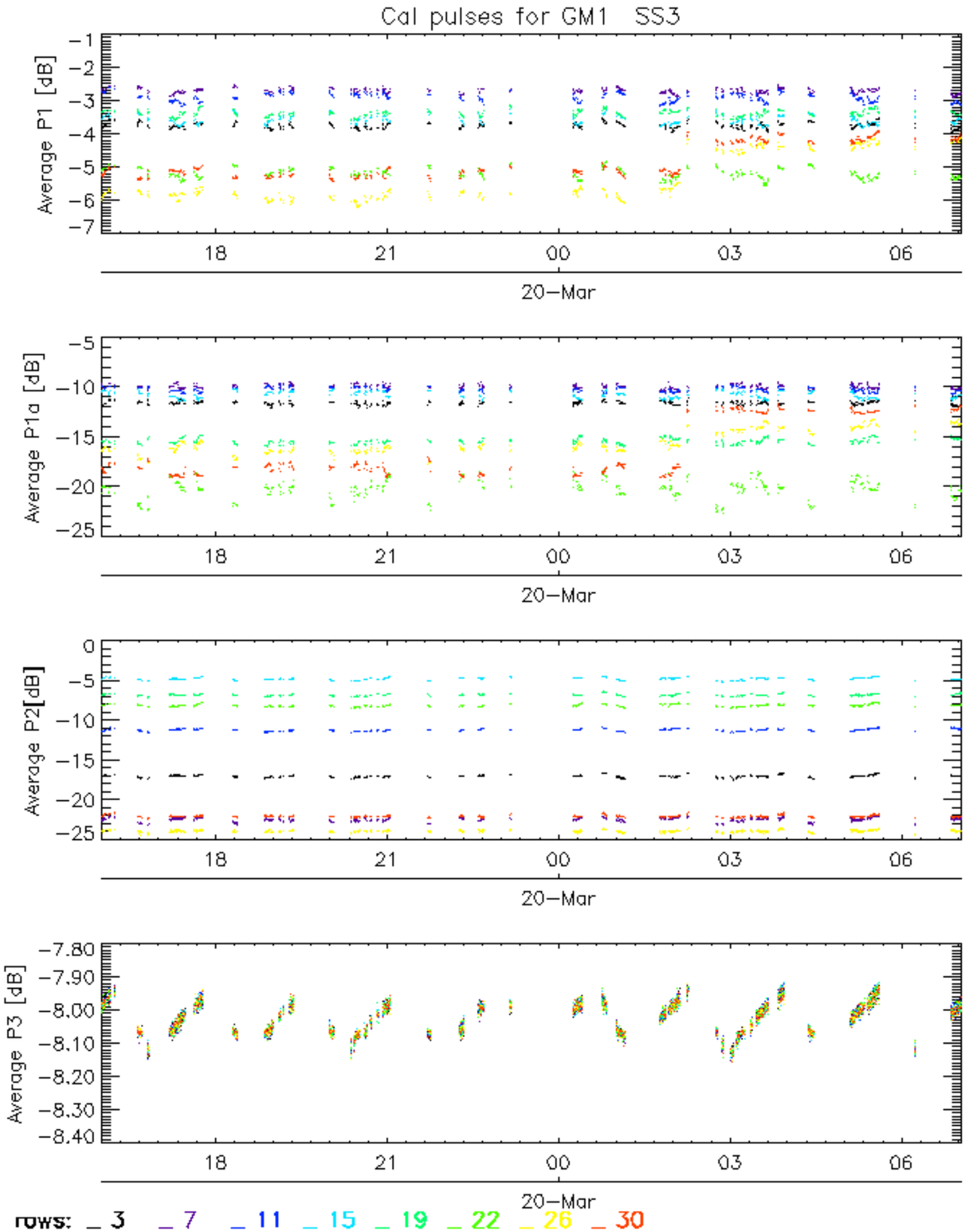
7.6 - Doppler evolution versus ANX for GM1

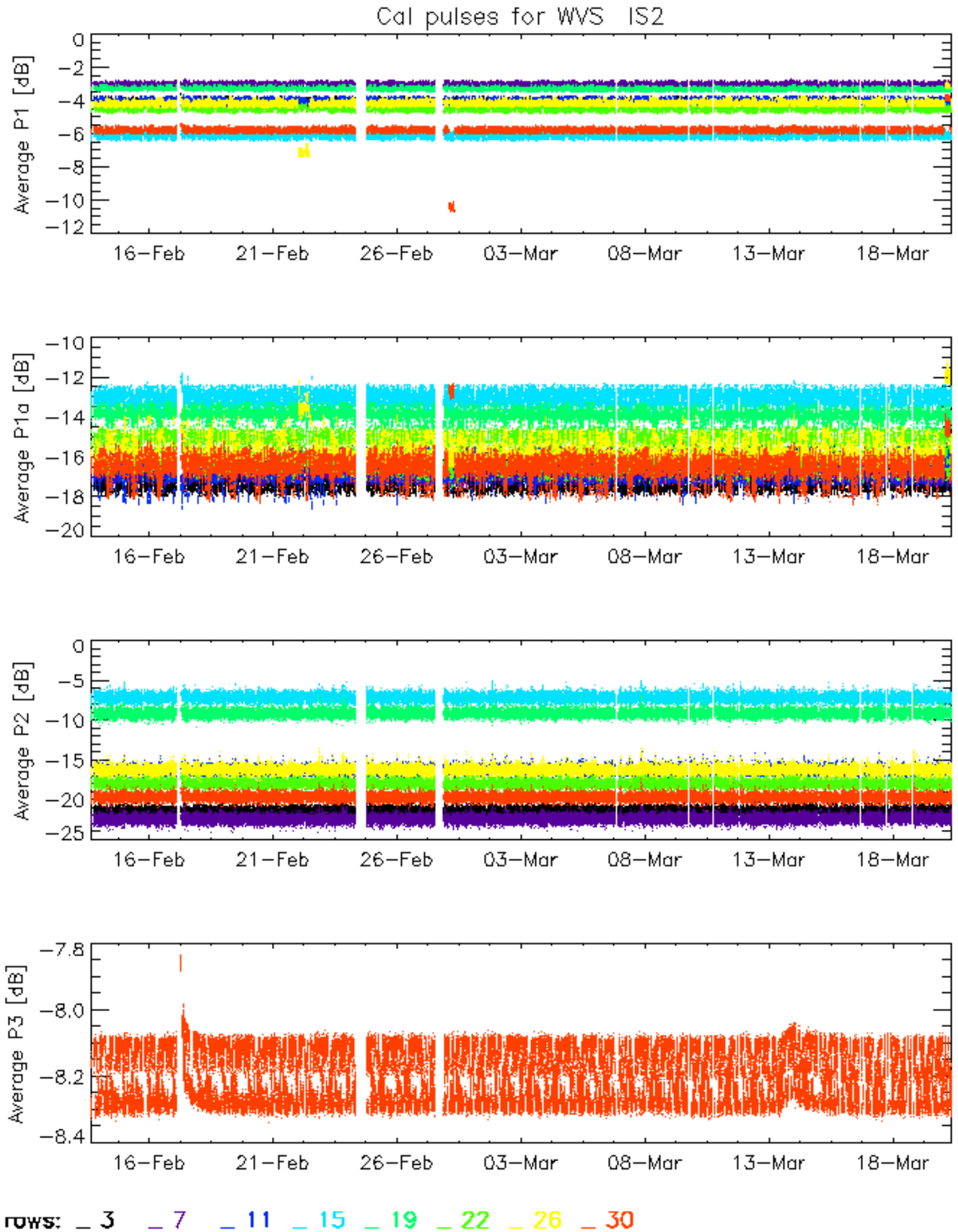
Evolution Doppler error versus ANX

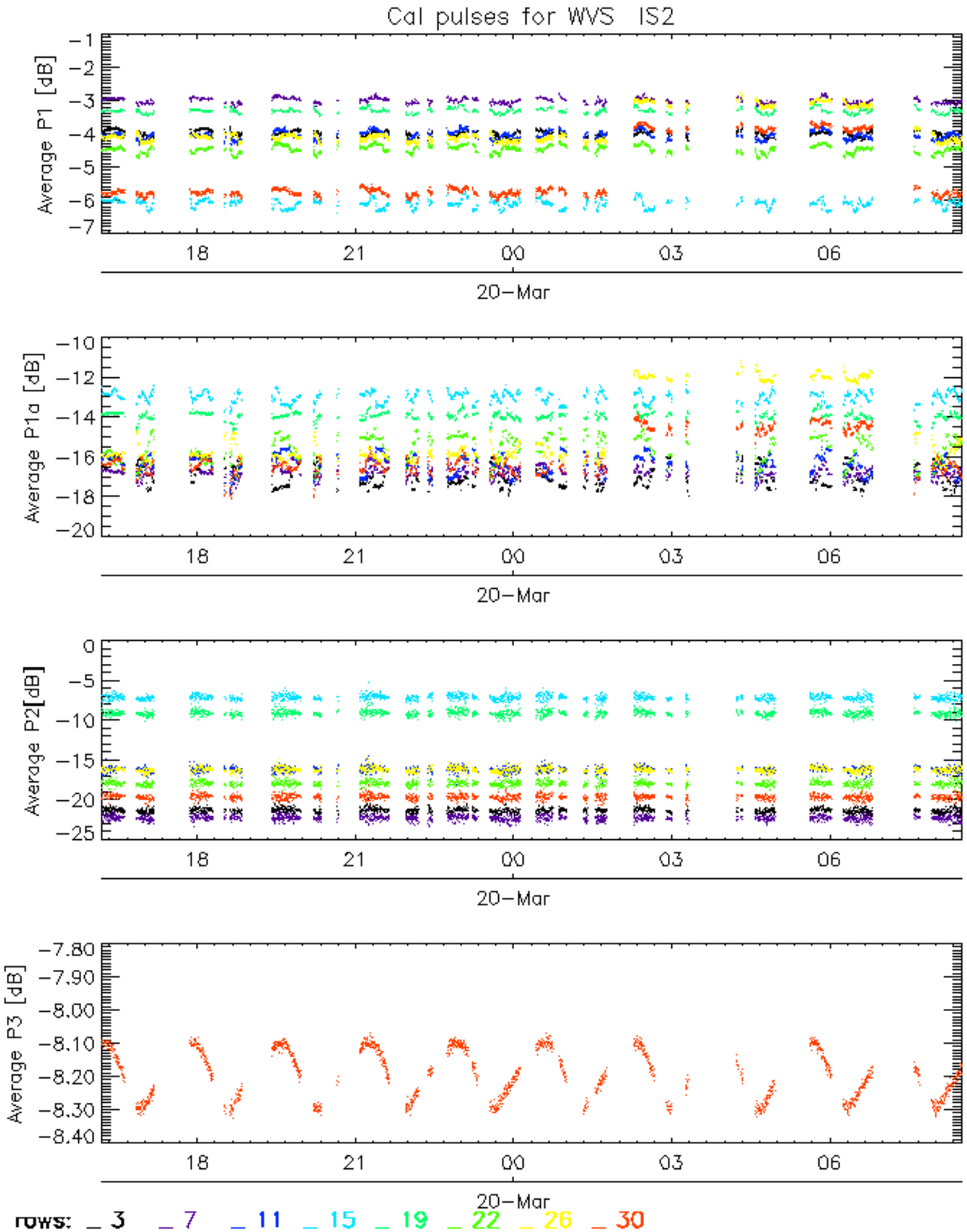

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
20−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
20−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
20−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
20−Mar
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
20−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
20−Mar
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
20−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
20−Mar
rows: 3 7 11 15 19 22 26 30


Cal pulses for GM1 SS3
Average P1 [dB]
0
−10
−20
−30
−40
−50
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
Average P1a [dB]
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

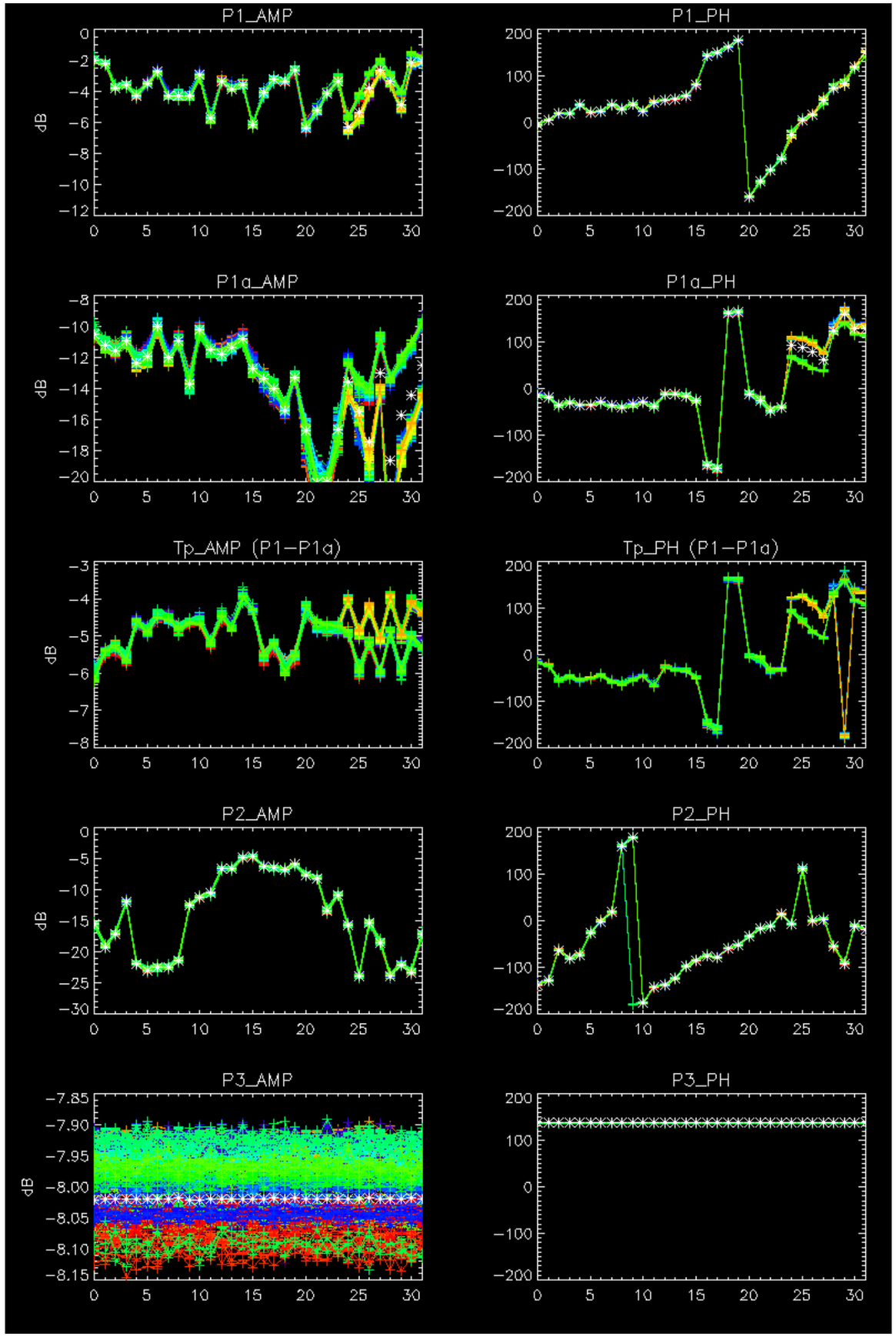

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
20−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
20−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
20−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
20−Mar
rows: _ 3 _ 7 _ 11 _ 15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

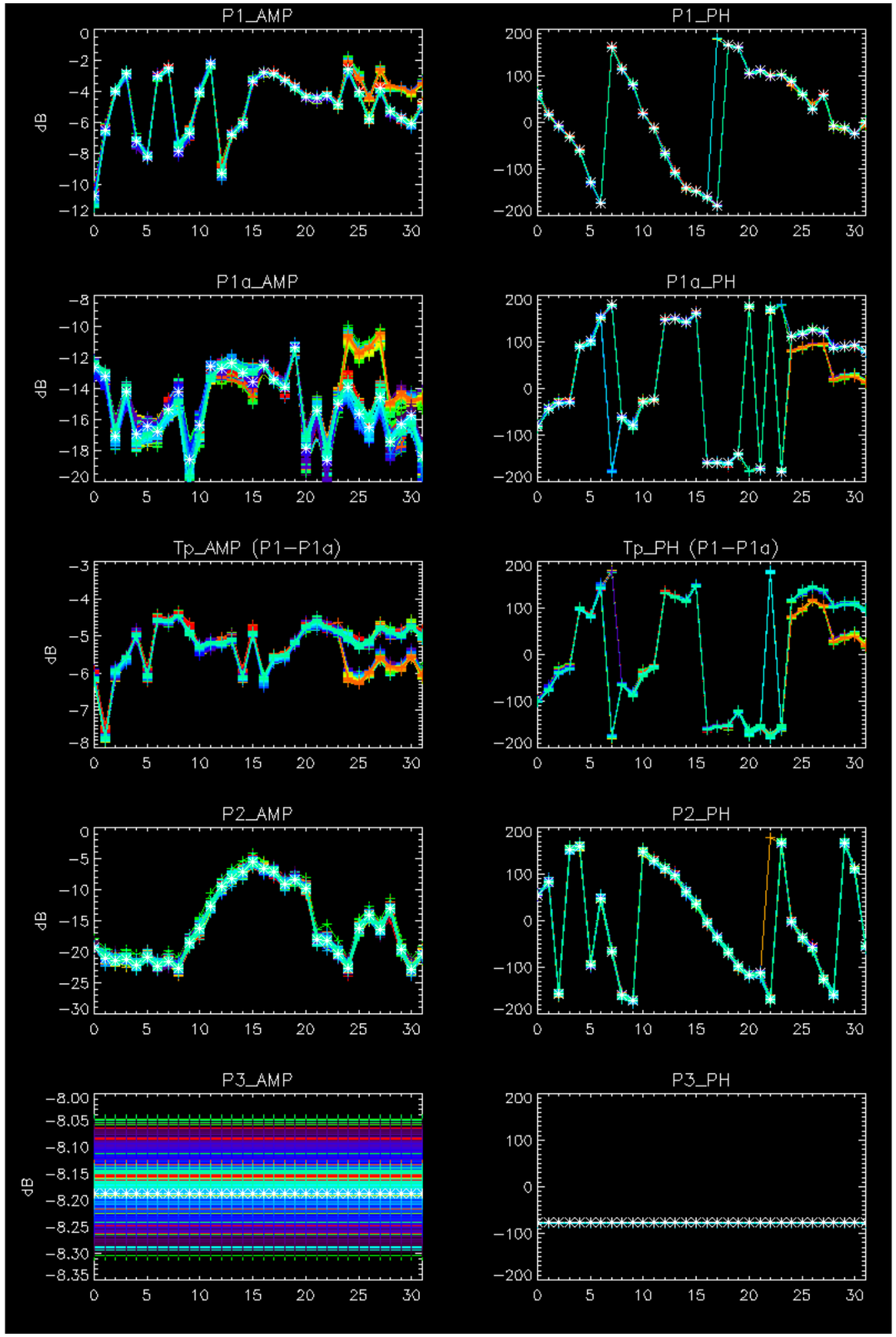

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2 [dB]
−5
−15
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
20−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
20−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
20−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
20−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

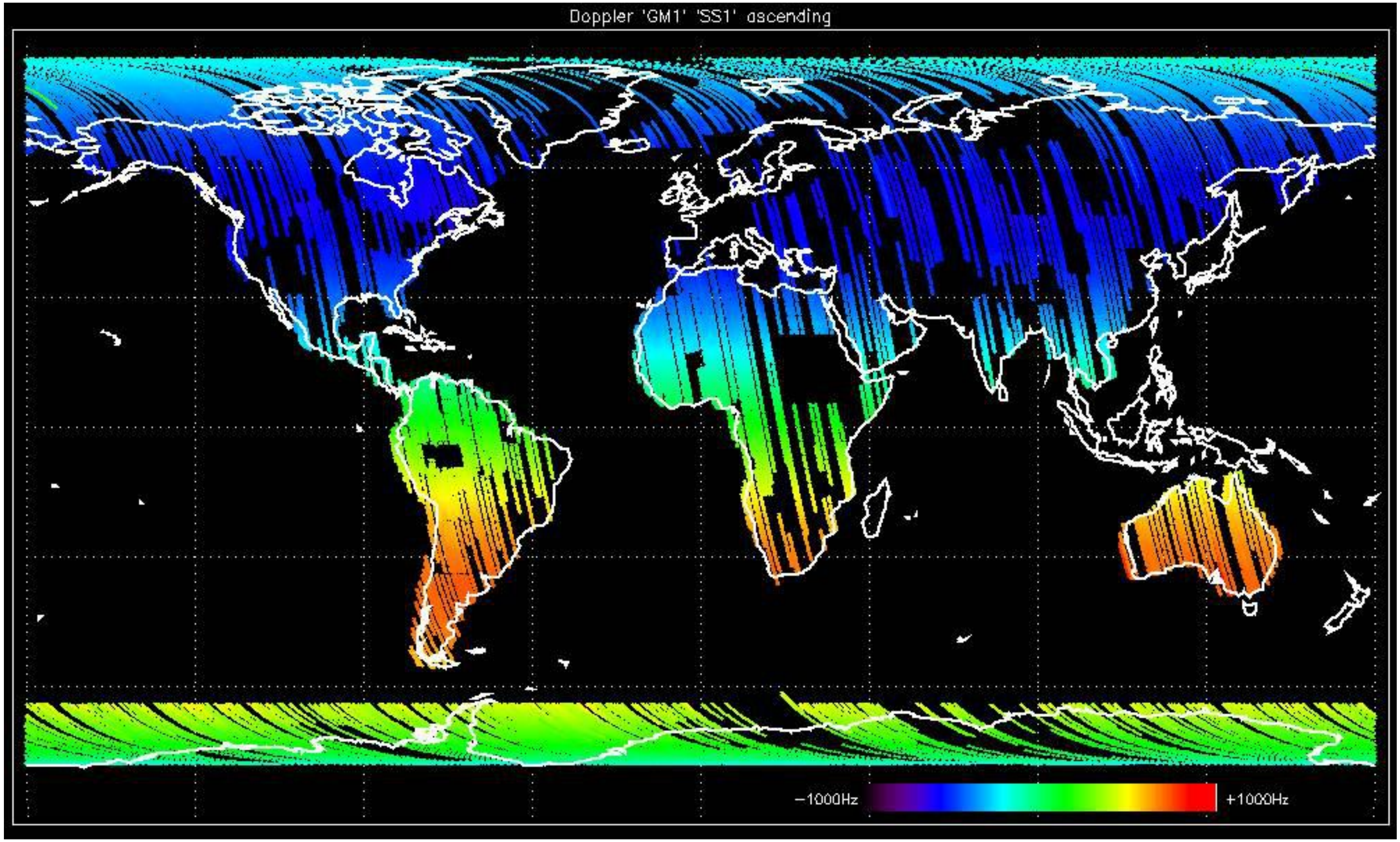
No anomalies observed.

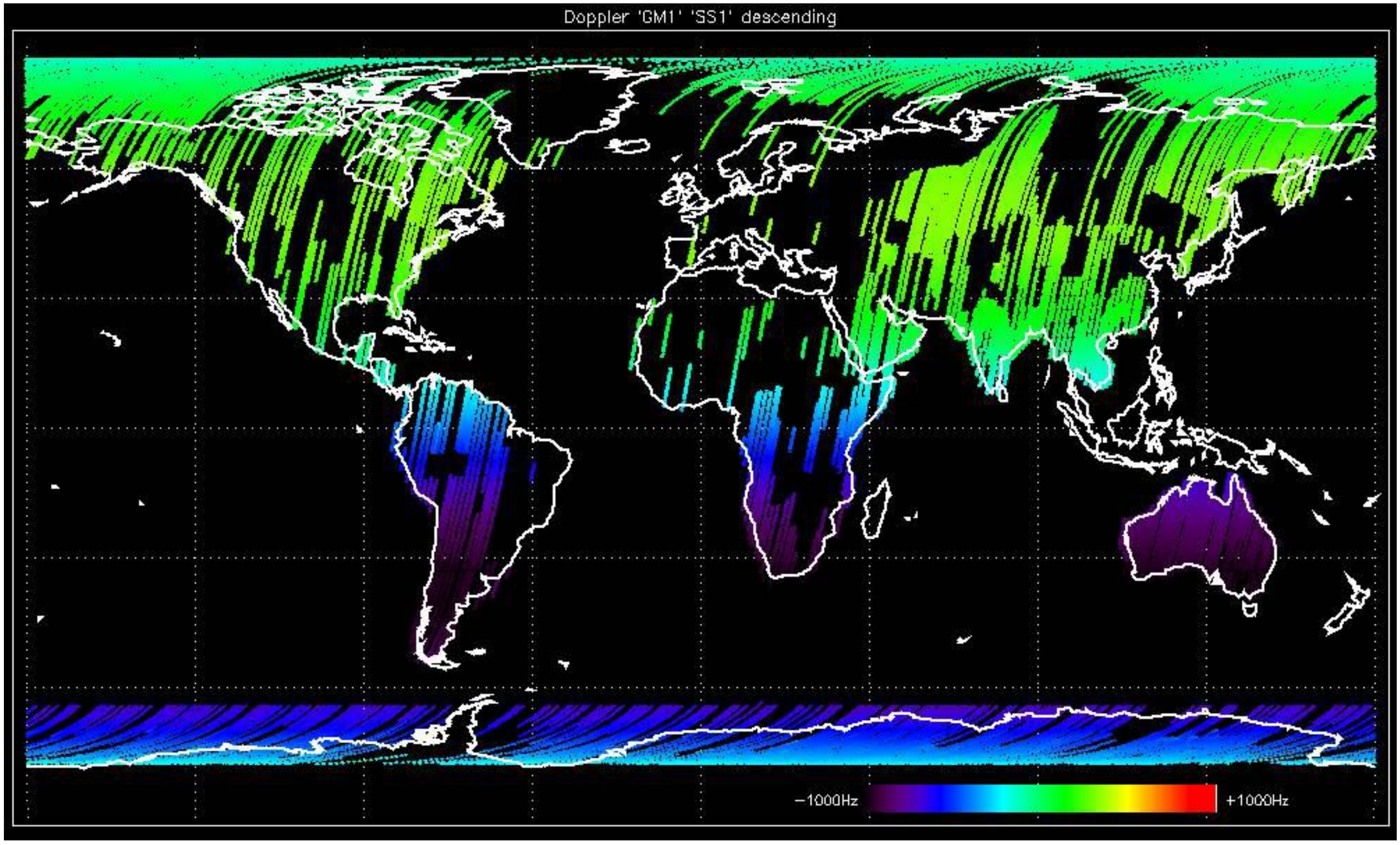

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

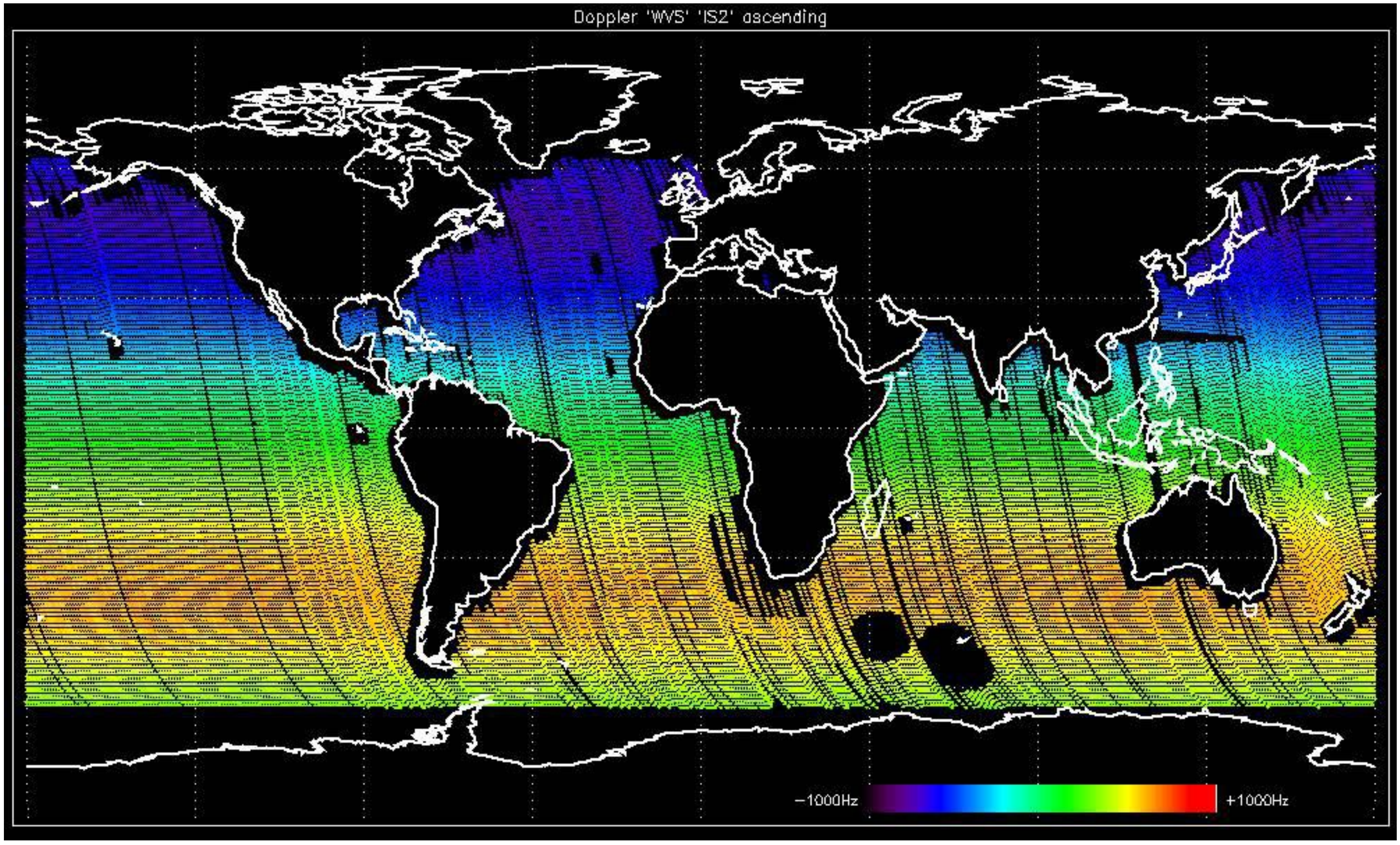

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

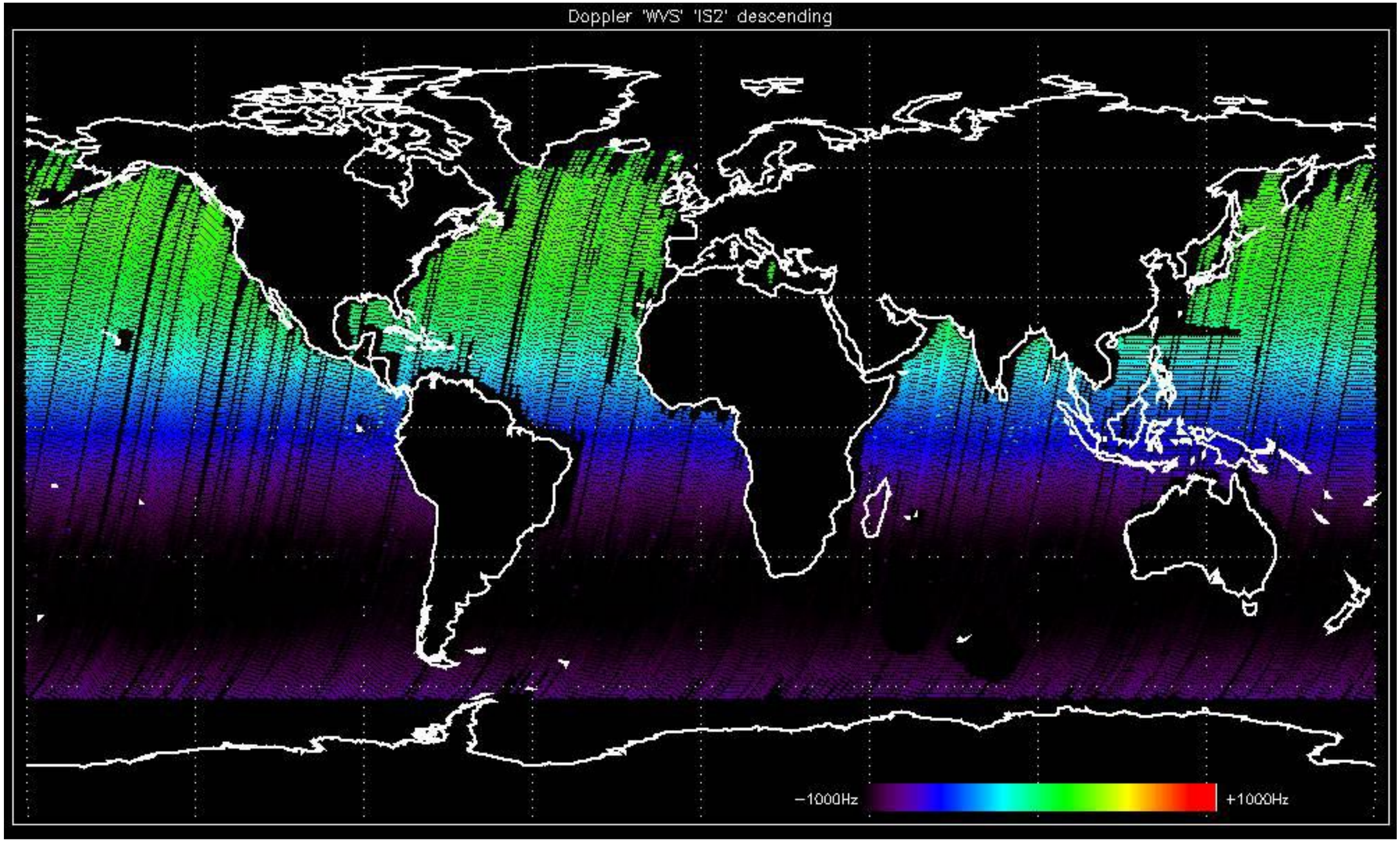
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

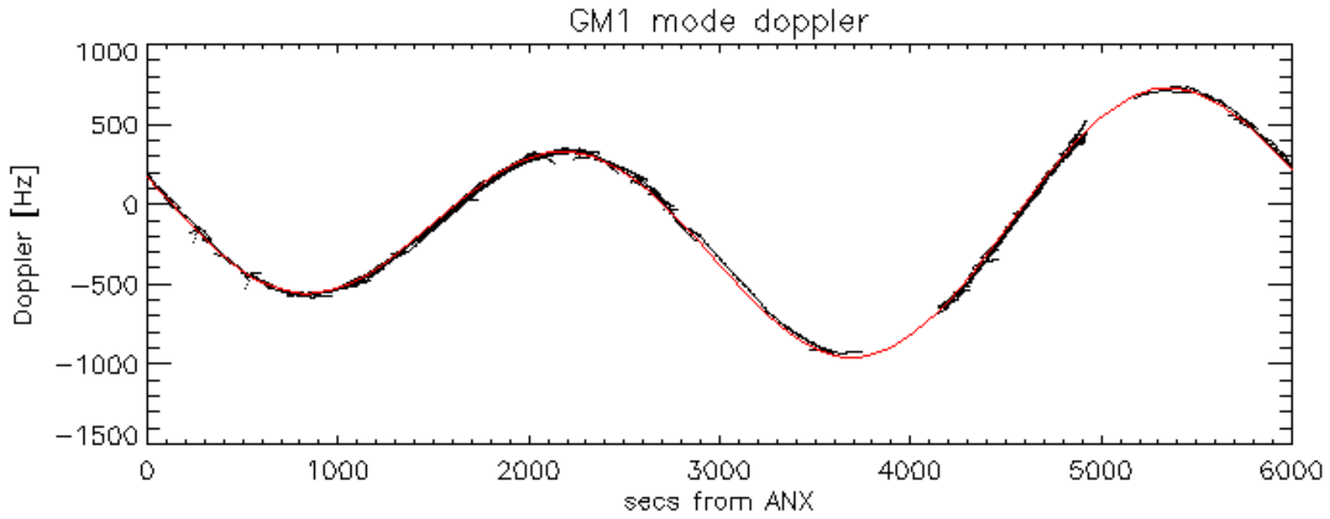
Preliminary report.The data is not yet controled

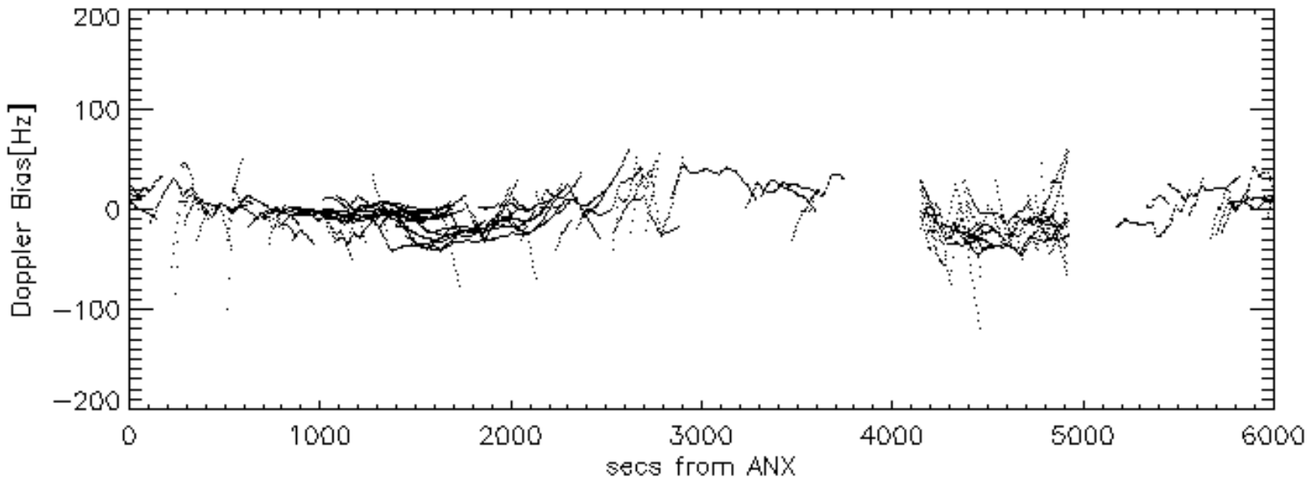

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

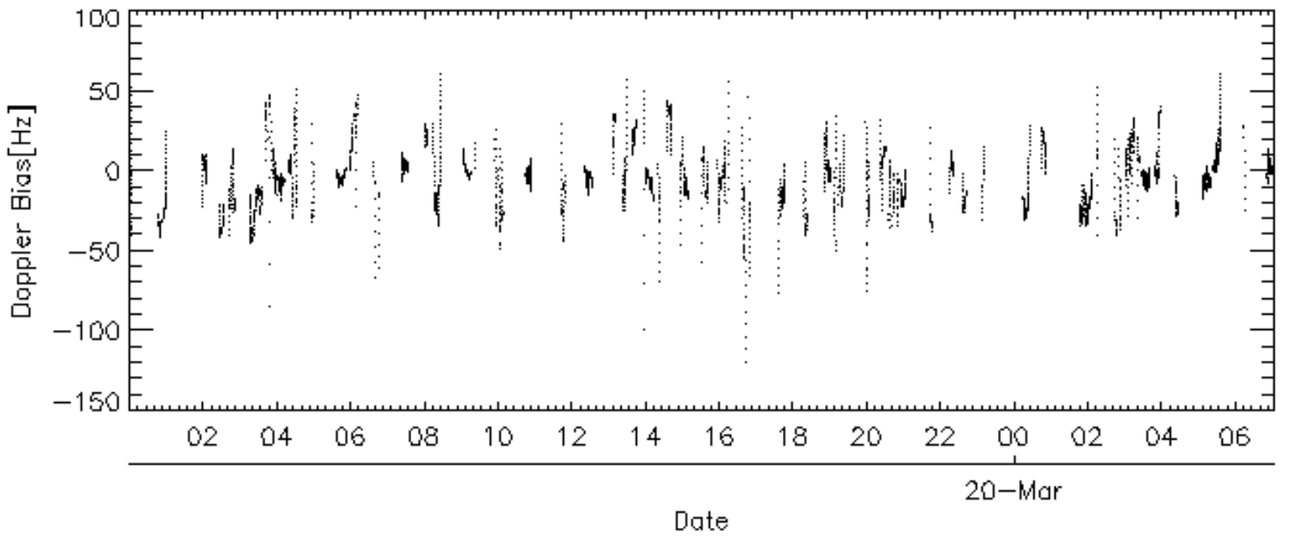

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

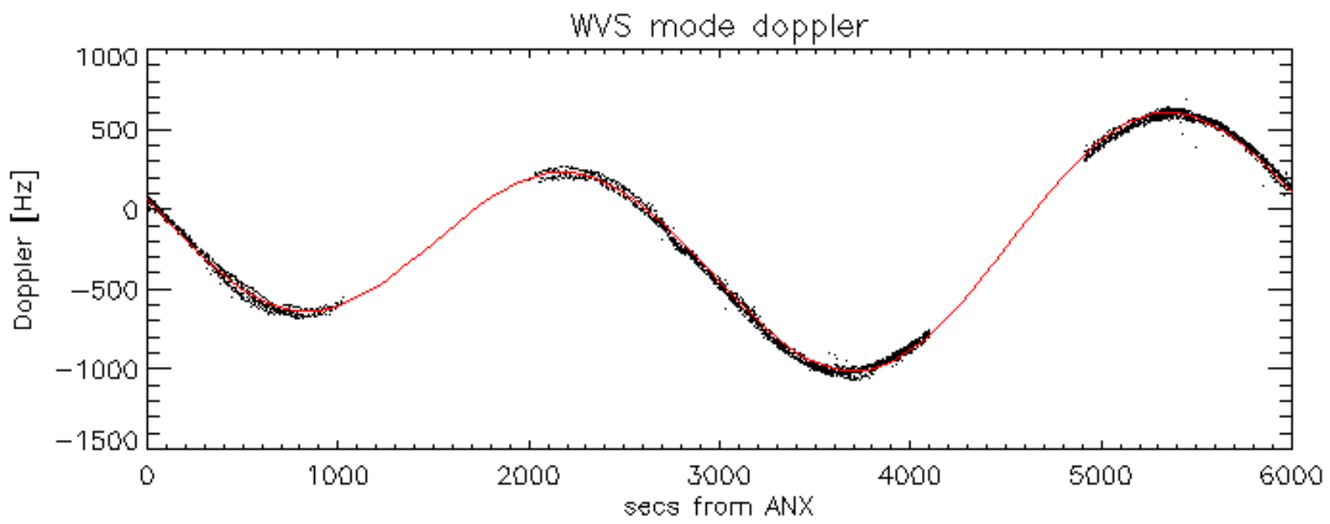

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

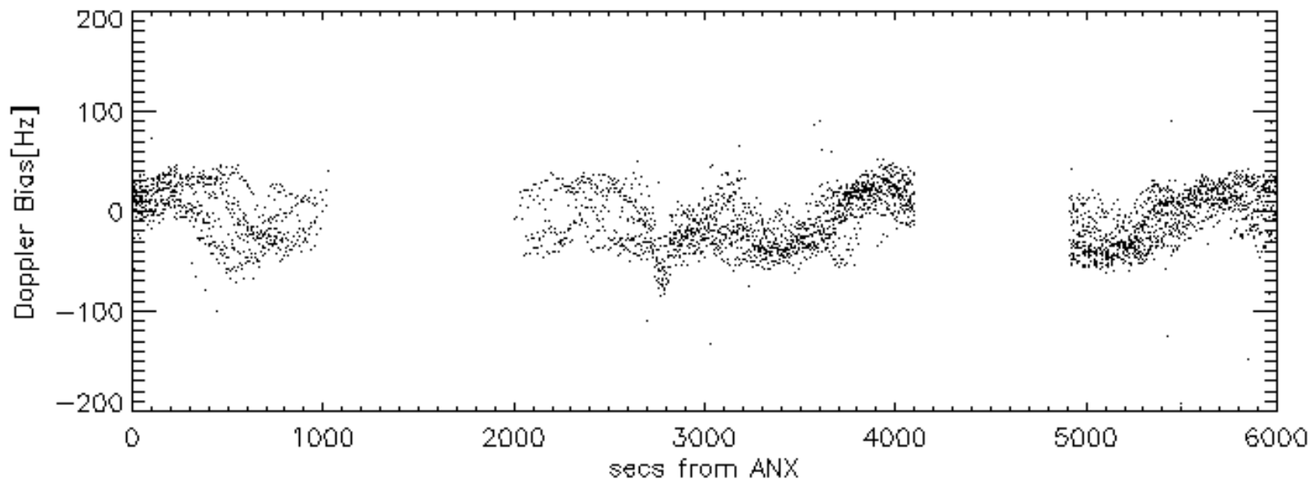

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

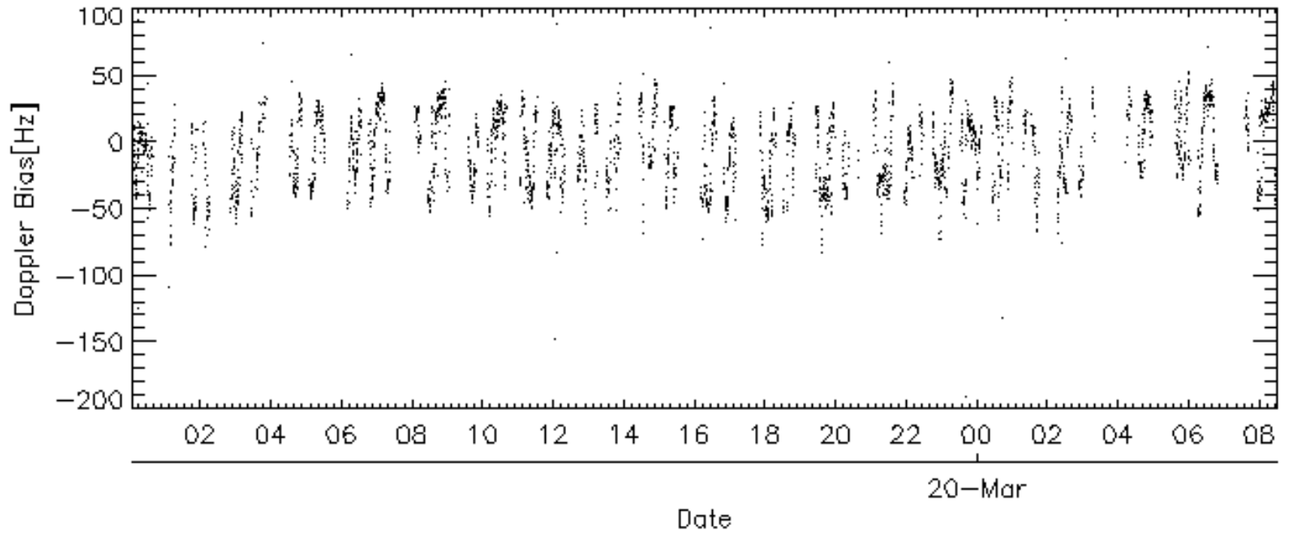

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

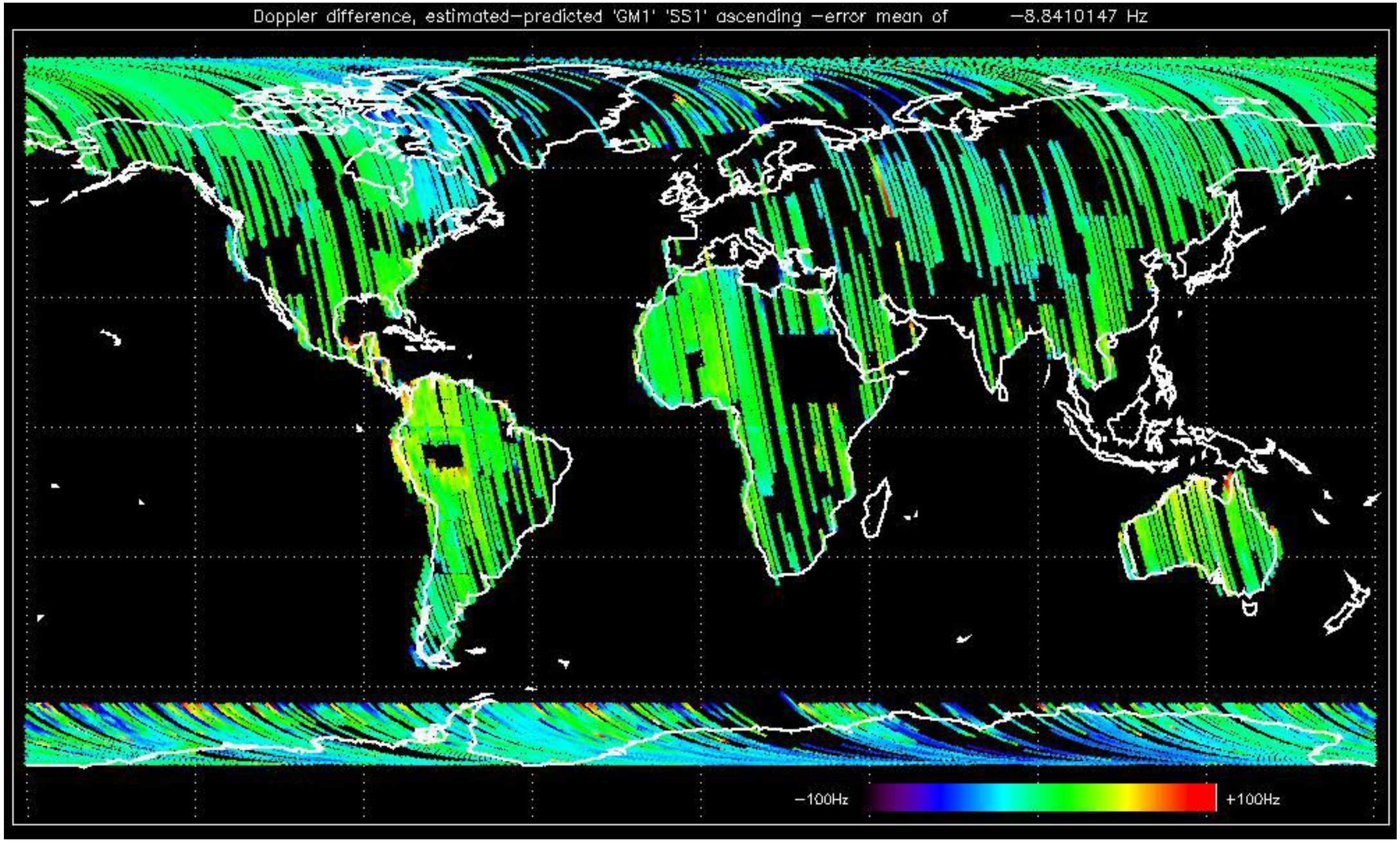

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

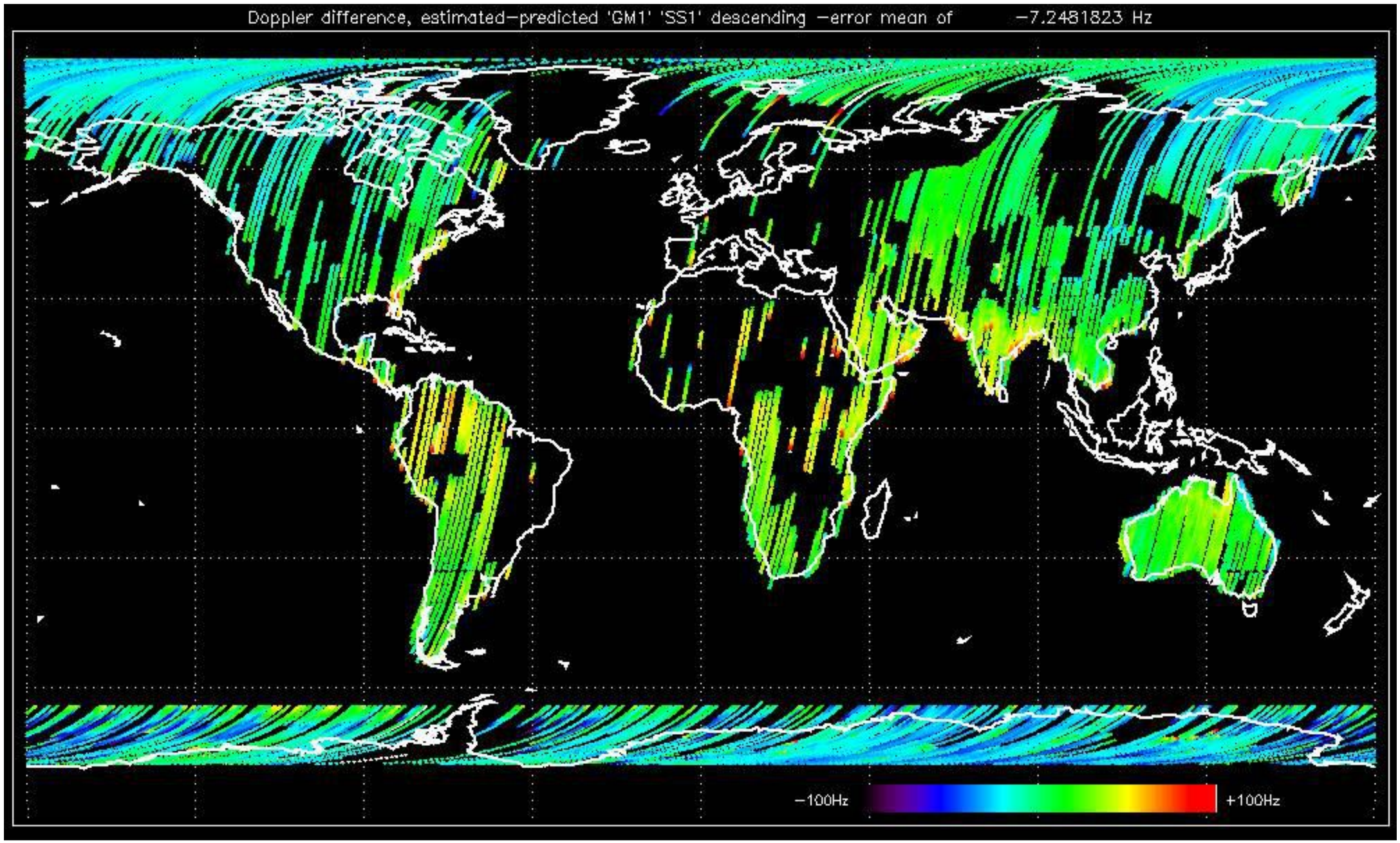

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
20−Mar
Date

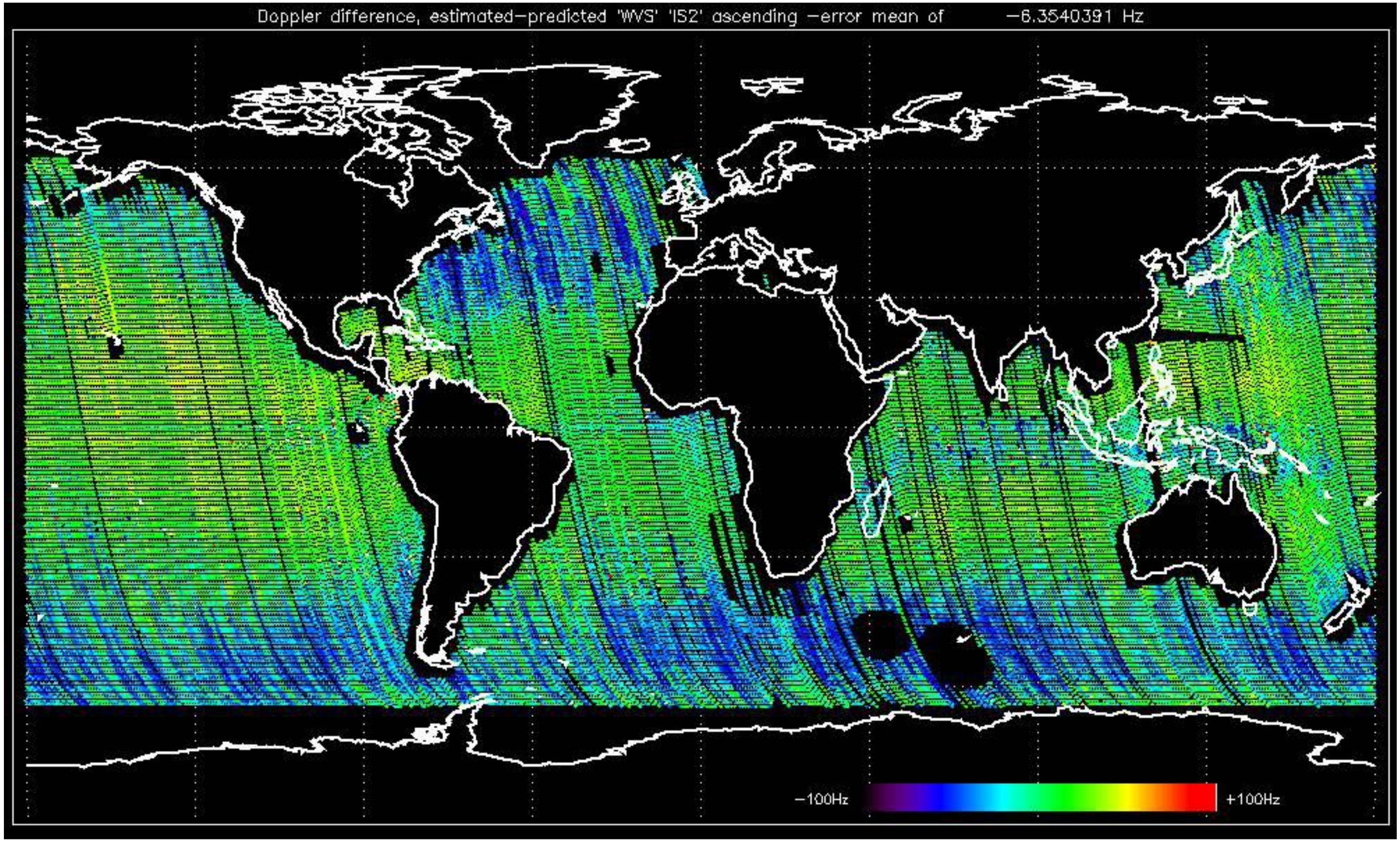

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

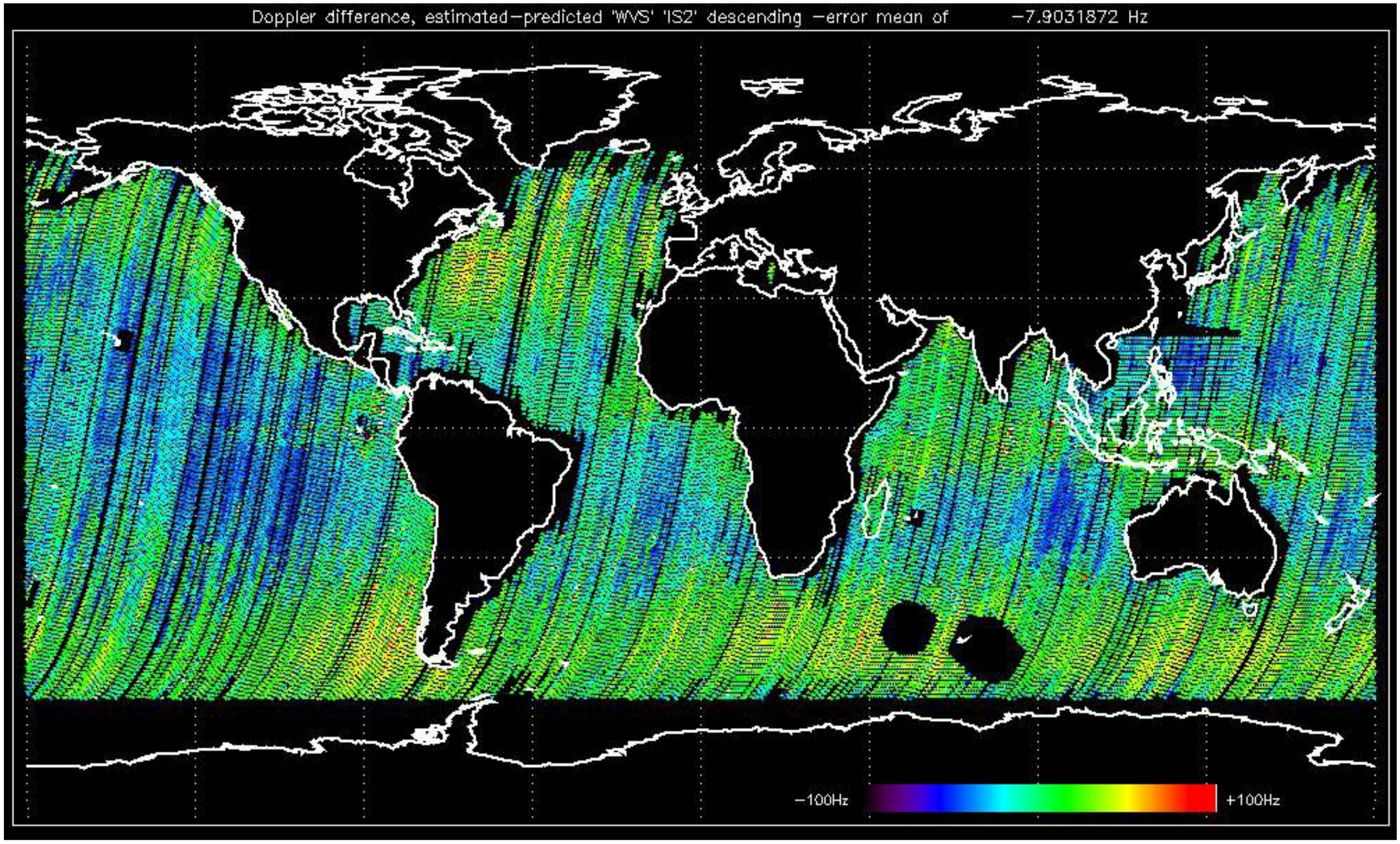

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
100
50
0
−50
−100
−150
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
20−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −8.8410147 Hz
−100Hz
+100Hz

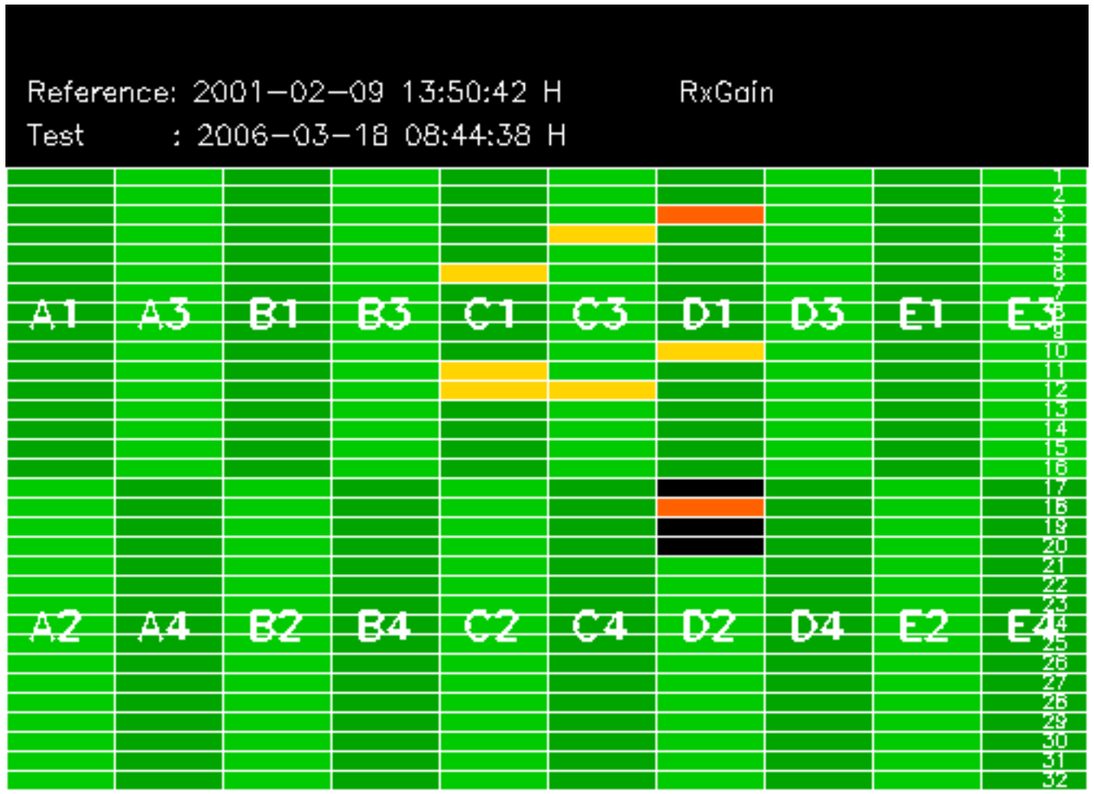

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -7.2481823 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.3540391 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.9031872 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-18 08:44:38 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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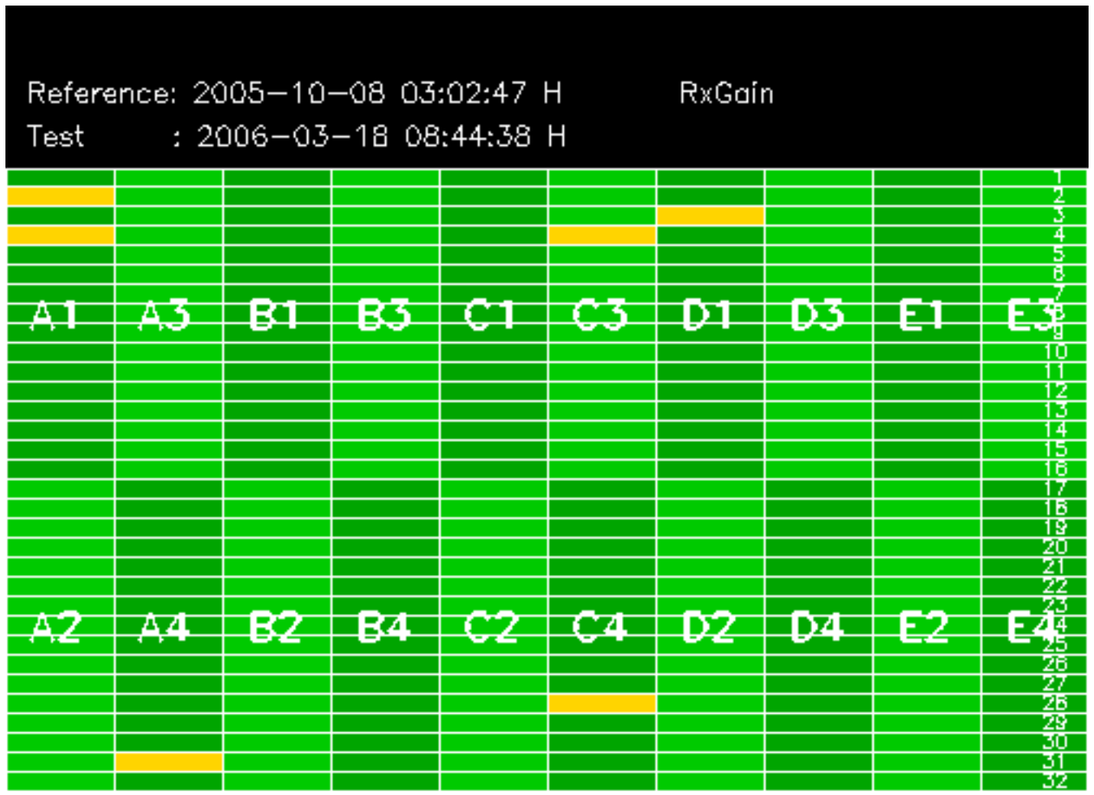
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-18 08:44:38 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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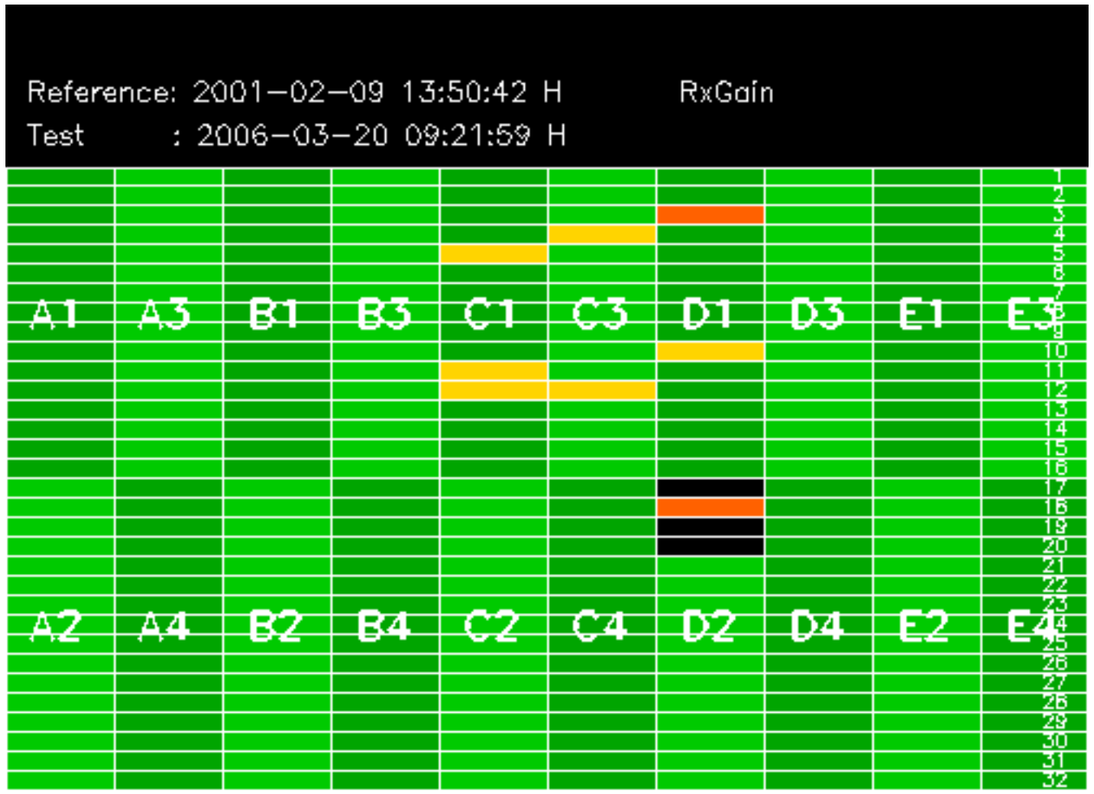
Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-03-20 09:21:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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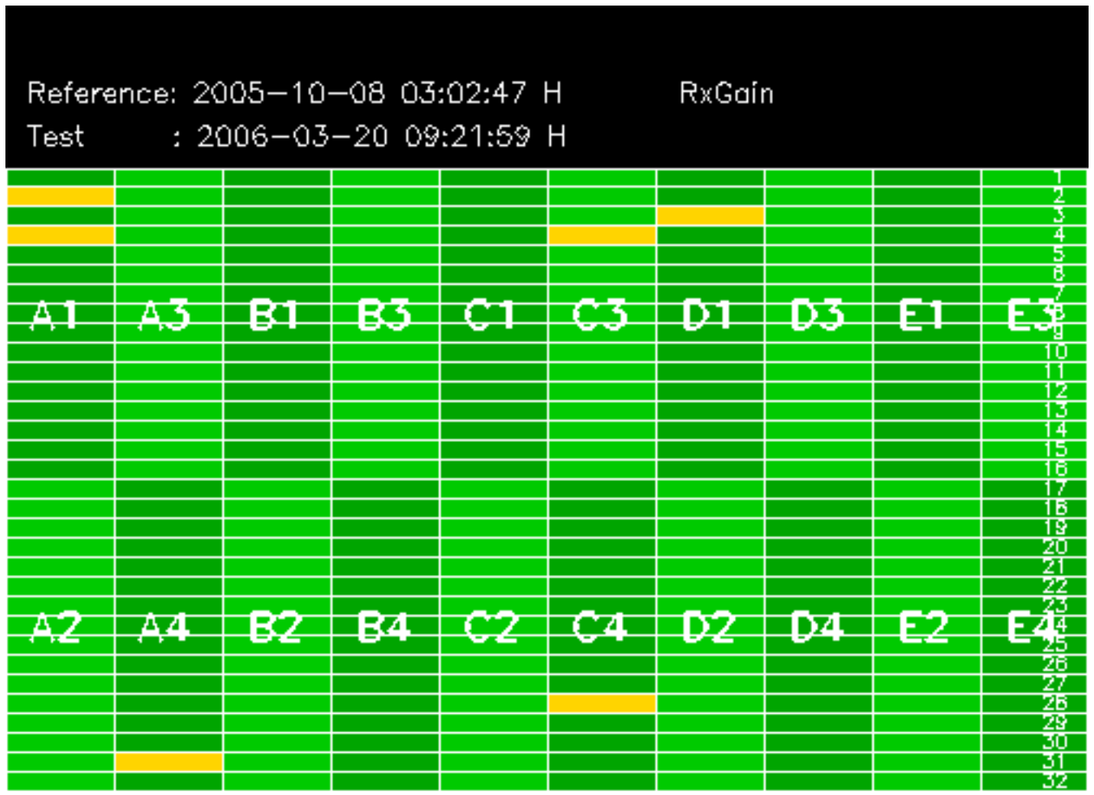
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-20 09:21:59 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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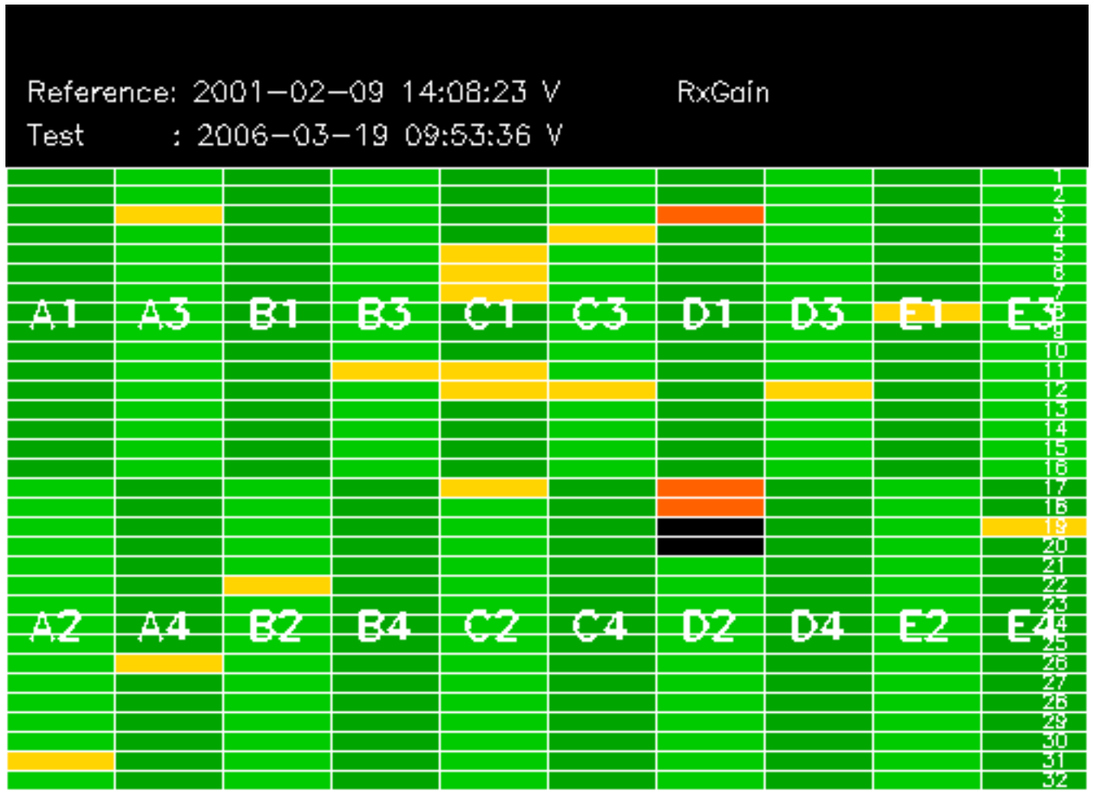
Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-03-19 09:53:36 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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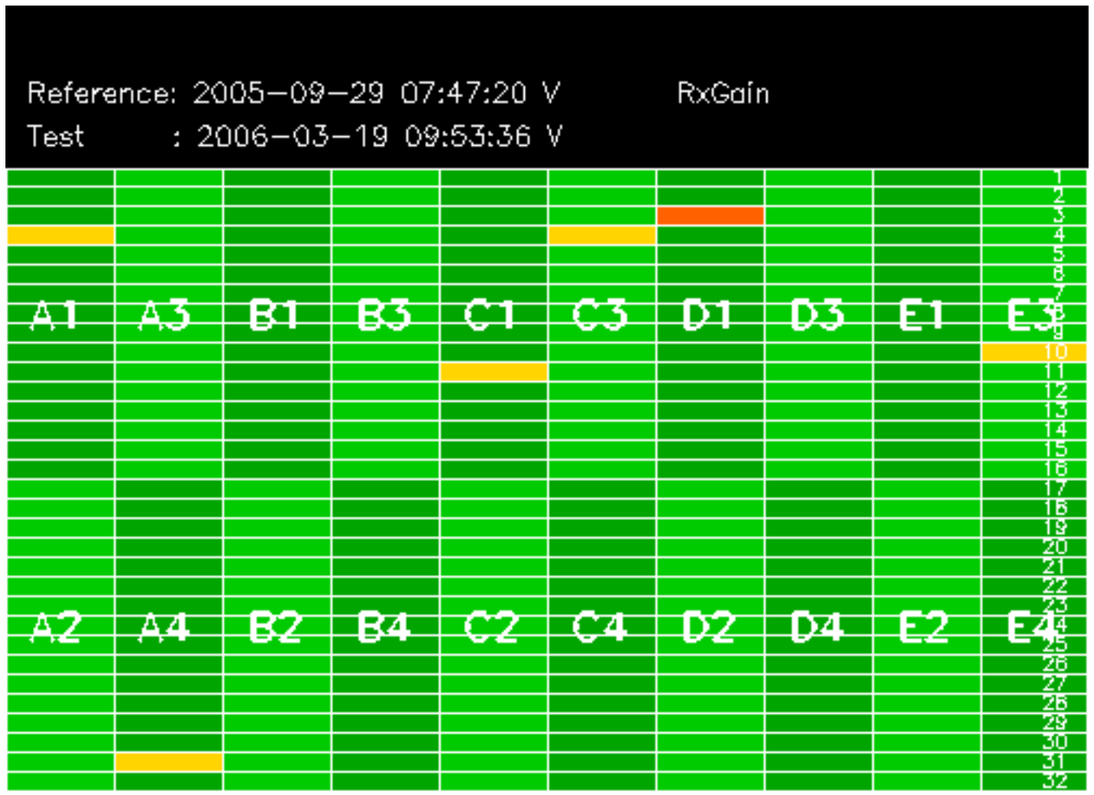
Reference: 2005-09-29 07:47:20 V
Test : 2006-03-19 09:53:36 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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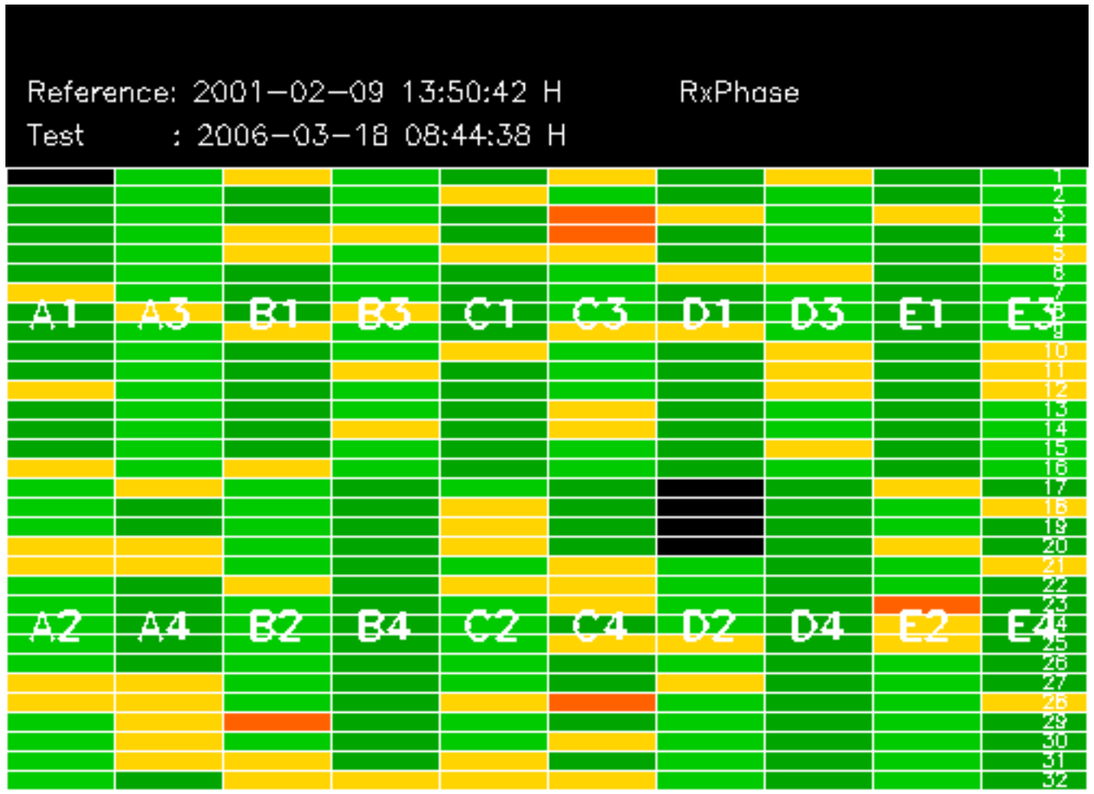
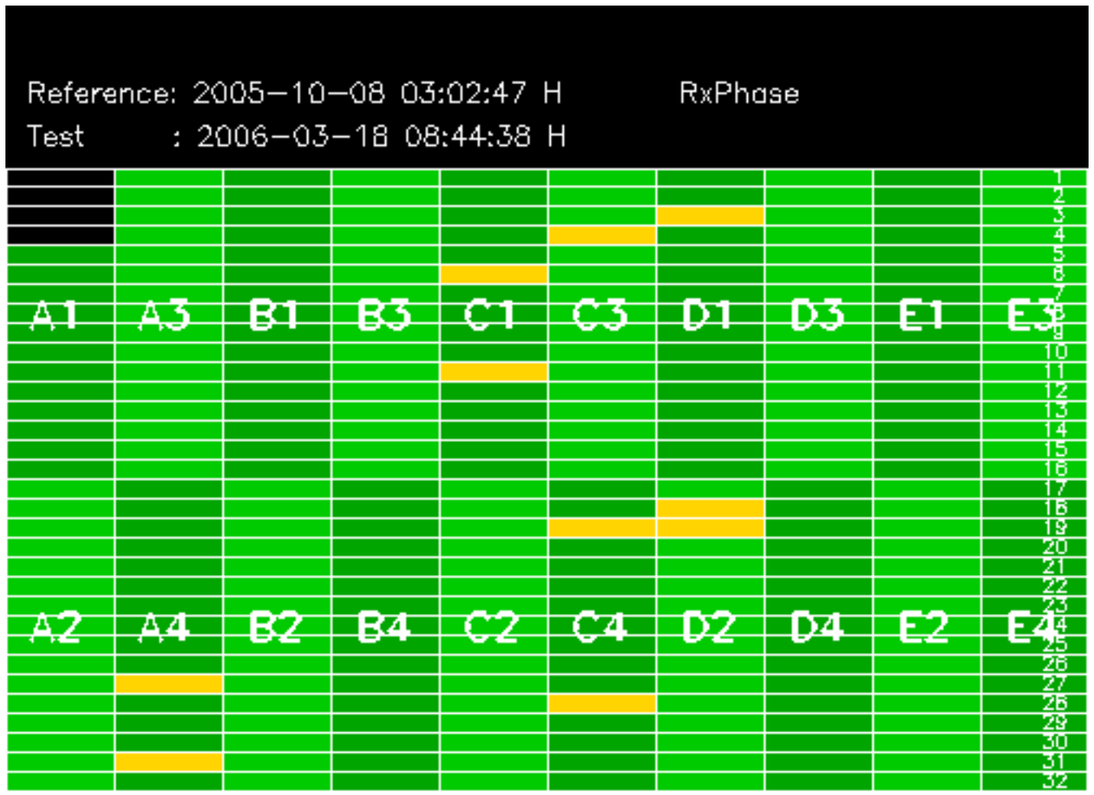

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-03-18 08:44:38 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-03-18 08:44:38 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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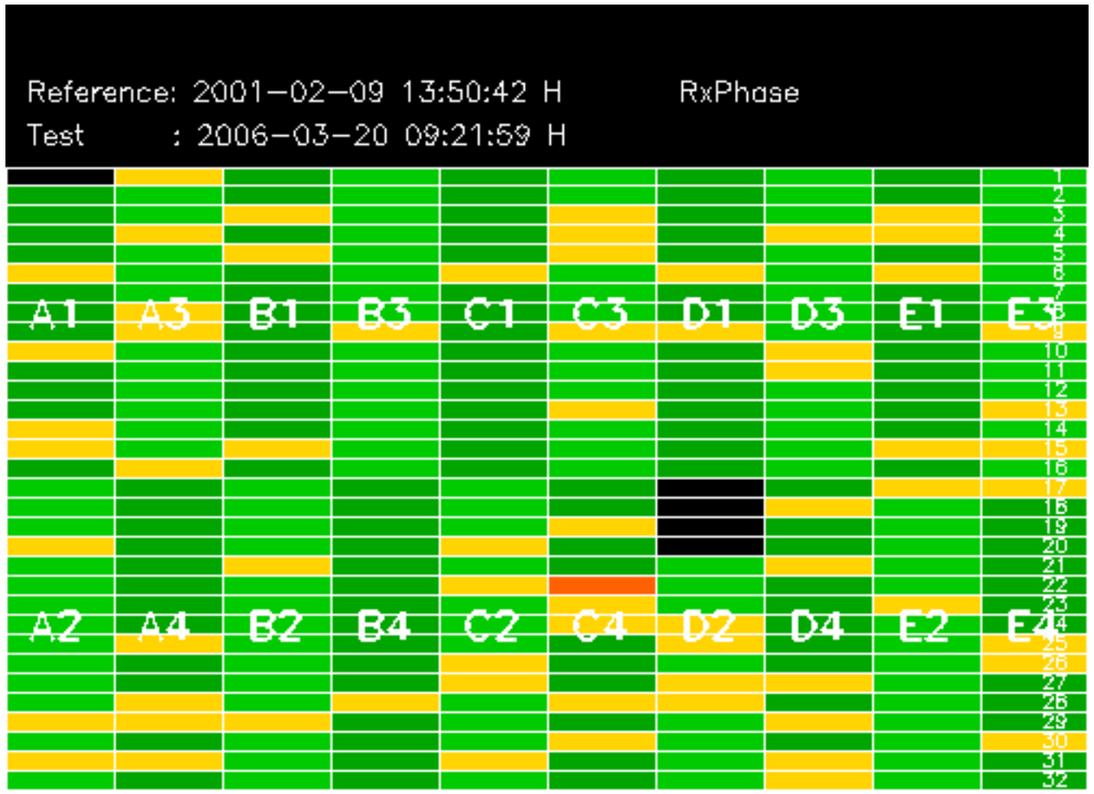
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-03-20 09:21:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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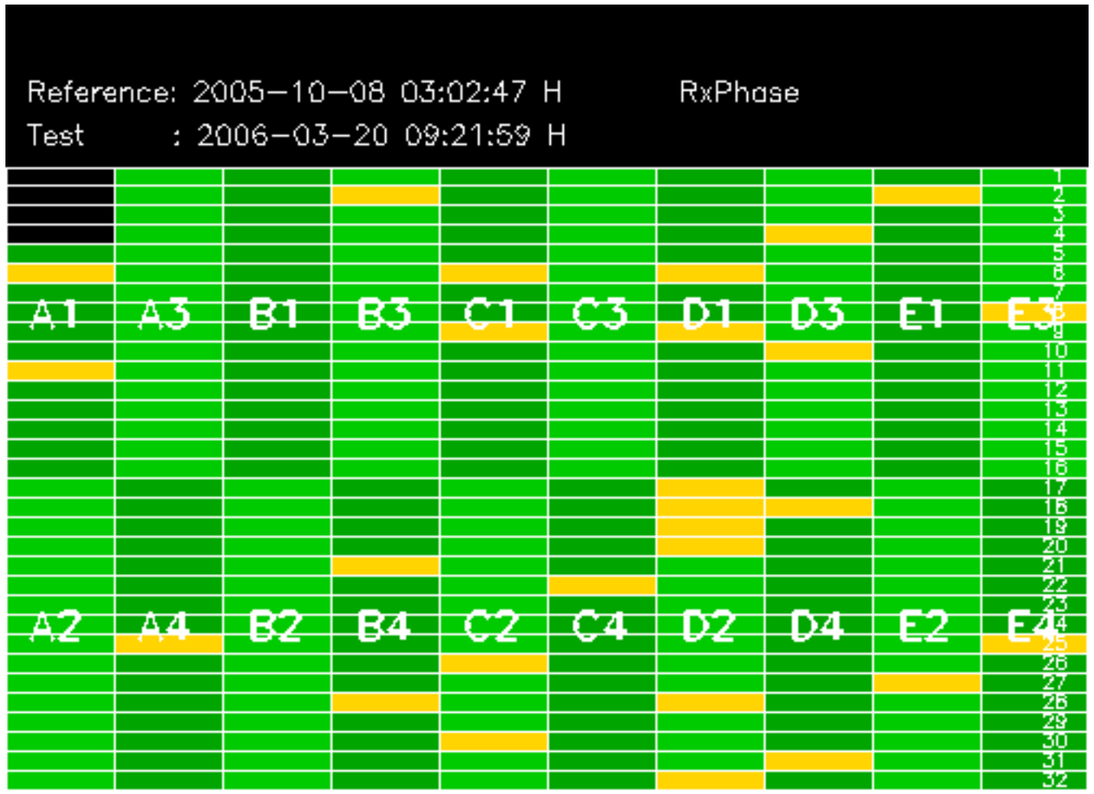
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-03-20 09:21:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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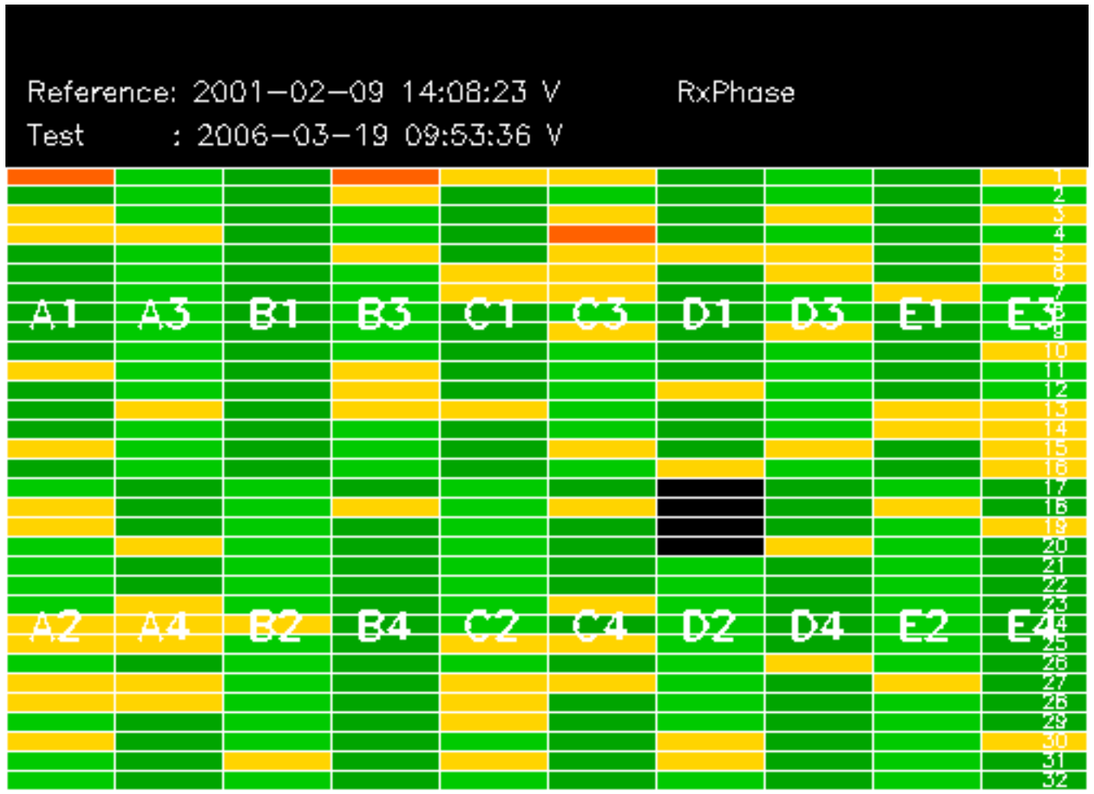
Reference: 2001-02-09 14:08:23 V
Test : 2006-03-19 09:53:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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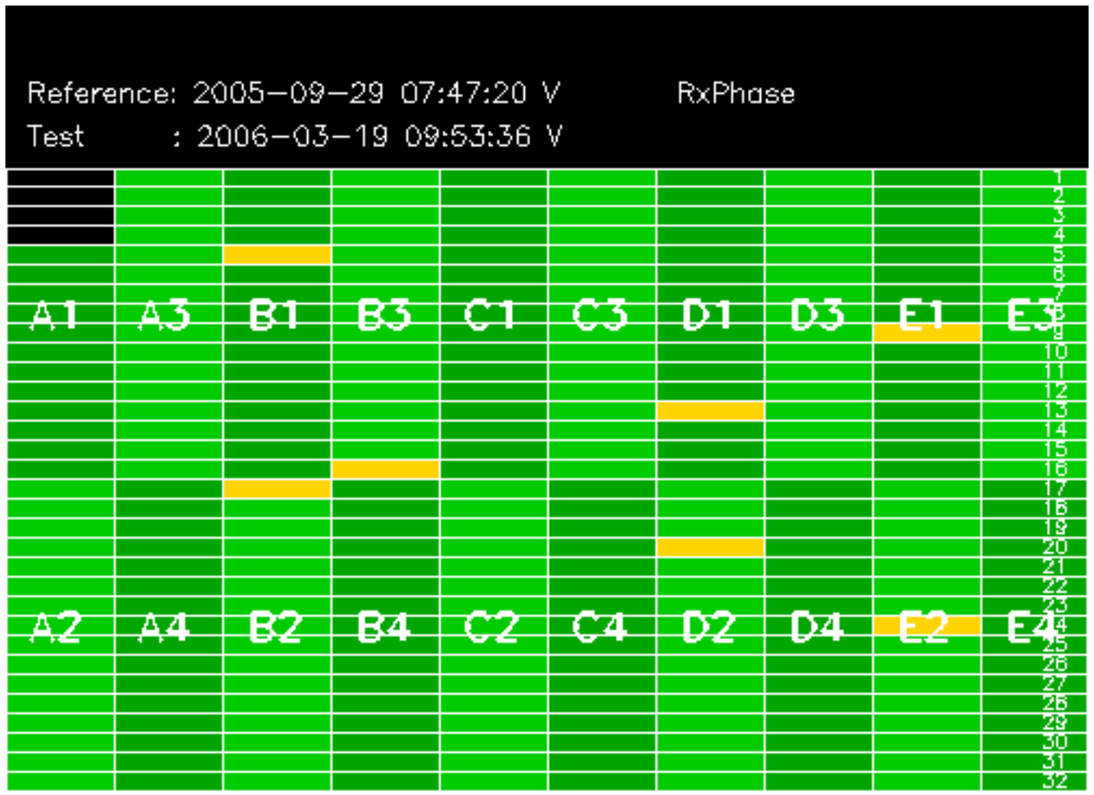
Reference: 2005-09-29 07:47:20 V
Test : 2006-03-19 09:53:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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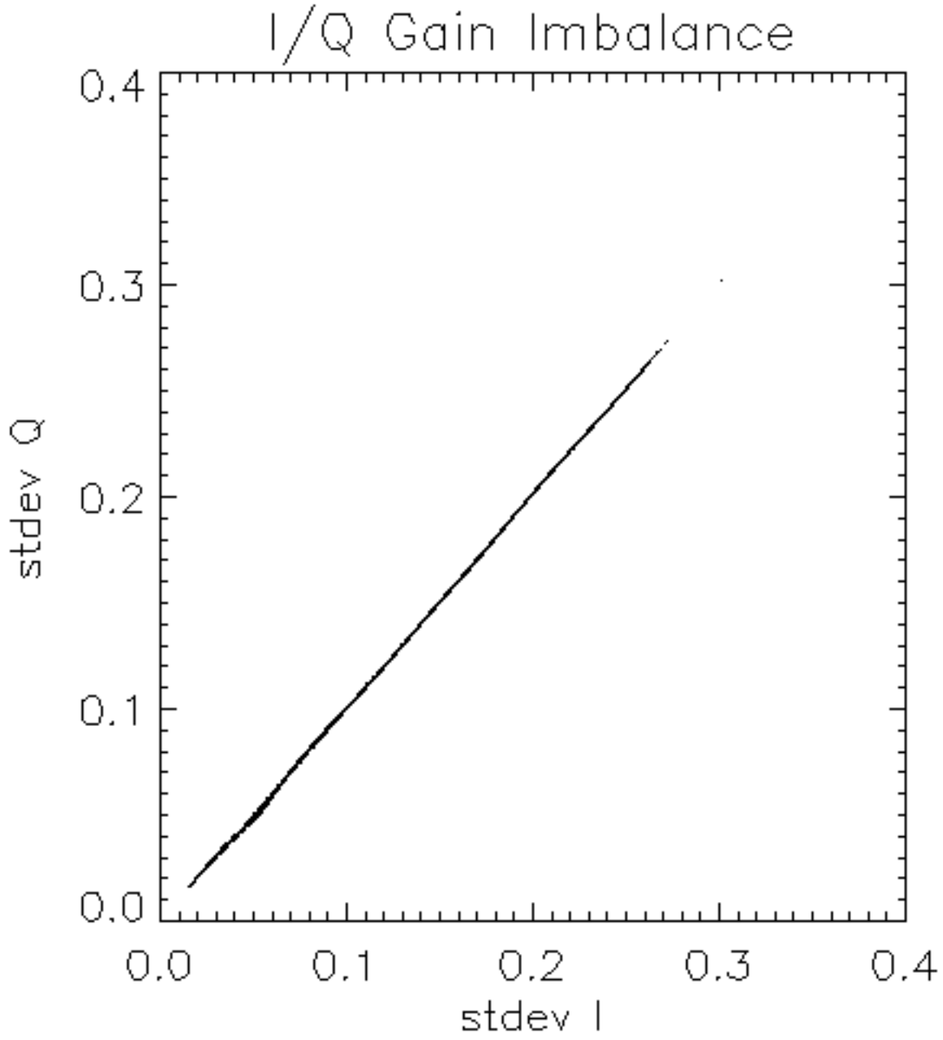
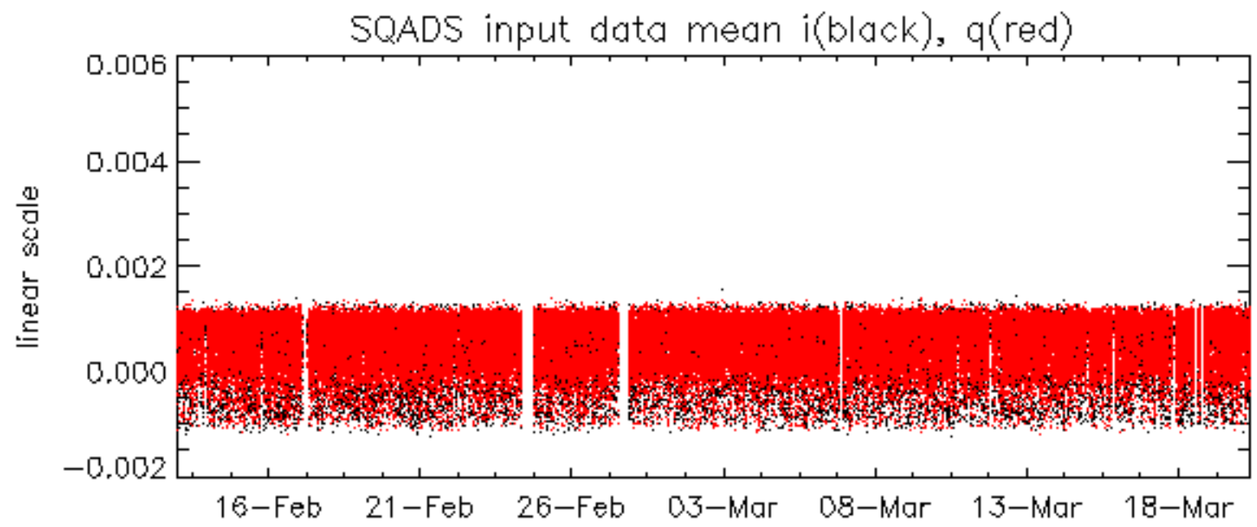
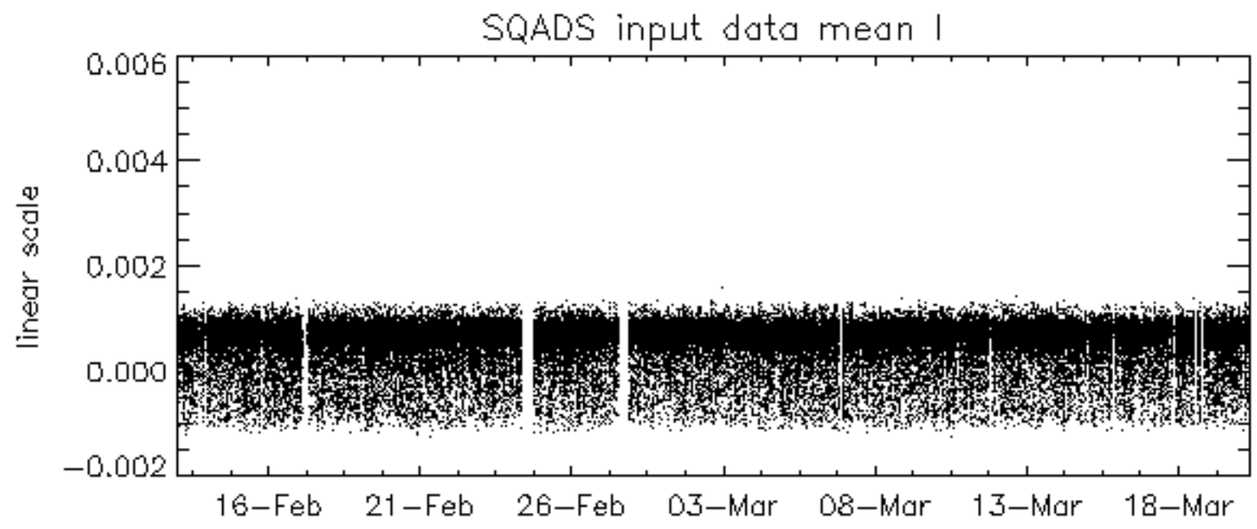
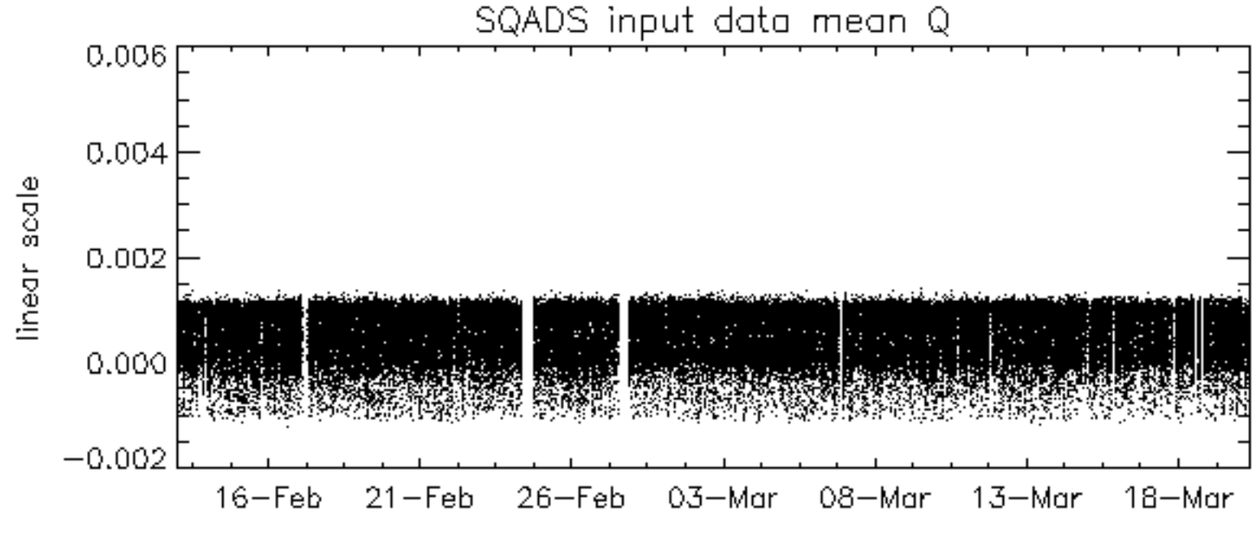
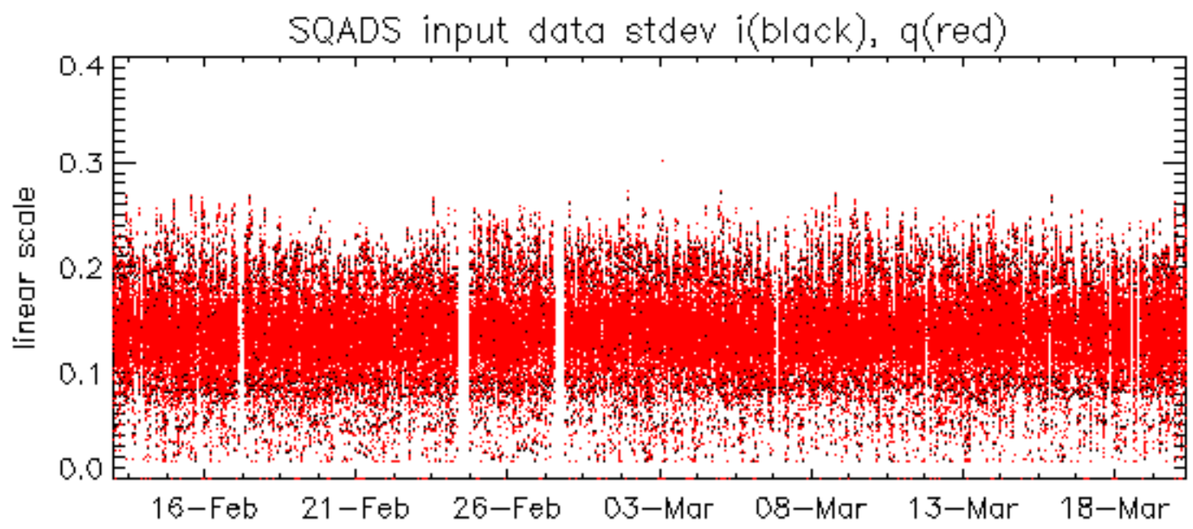
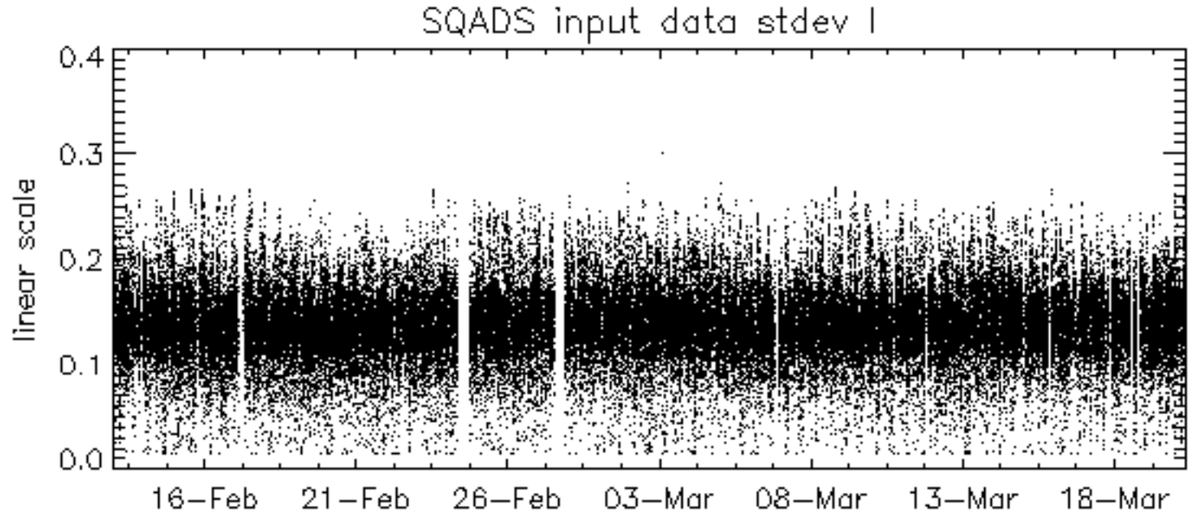

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

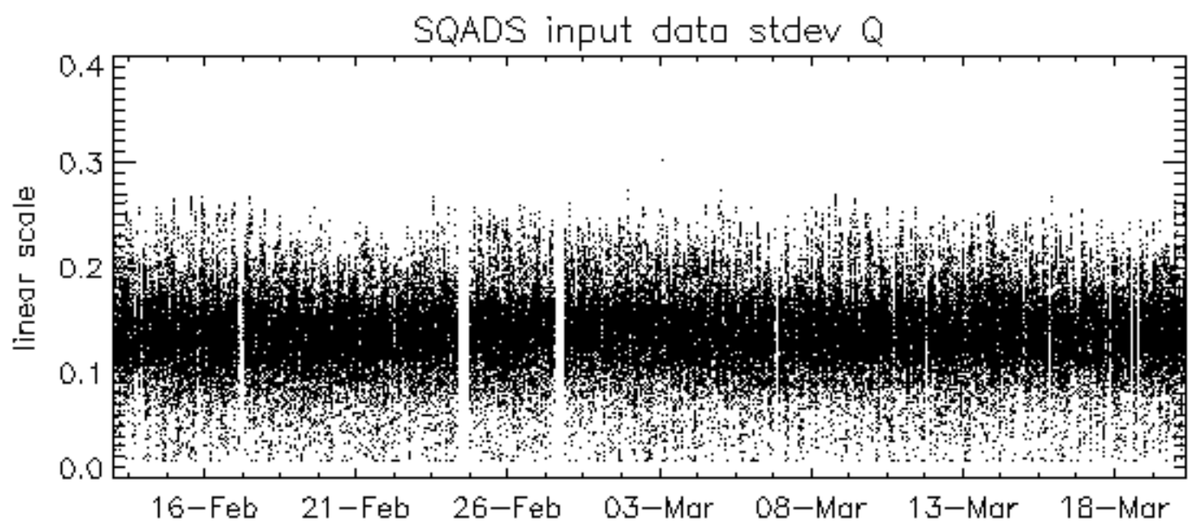

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar

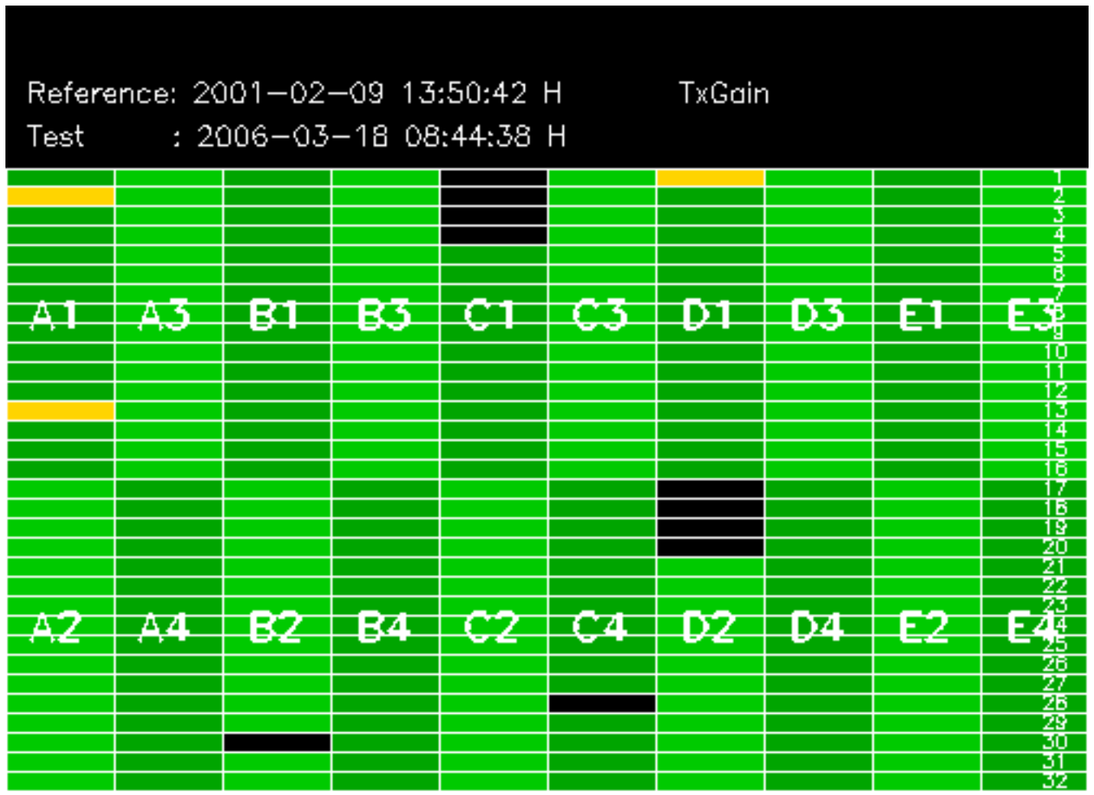

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-18 08:44:38 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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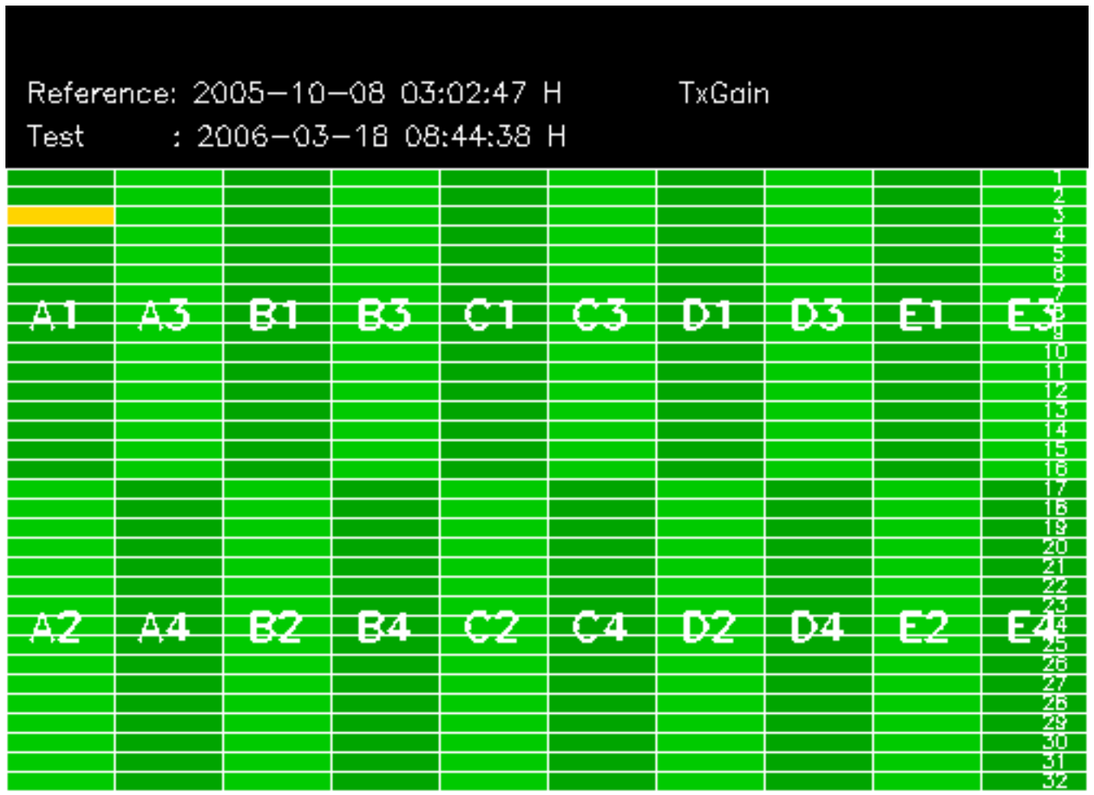
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-18 08:44:38 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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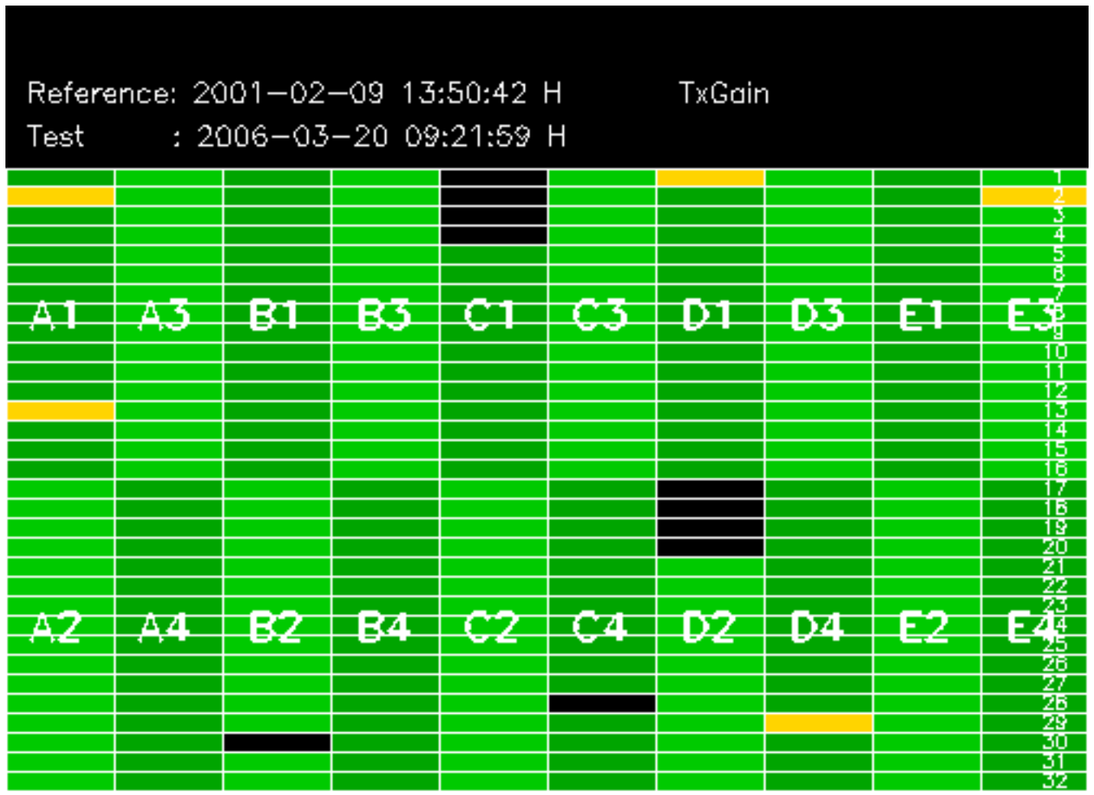
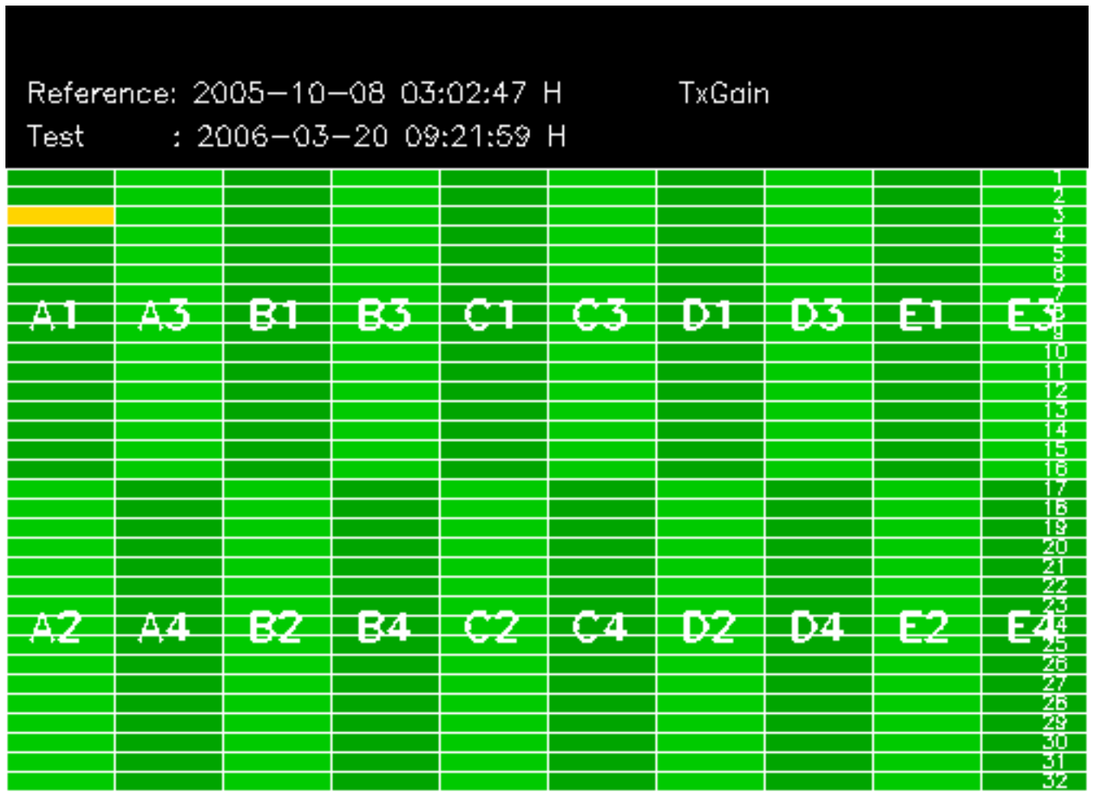

Reference: 2001-02-09 13:50:42 H
Test : 2006-03-20 09:21:59 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-03-20 09:21:59 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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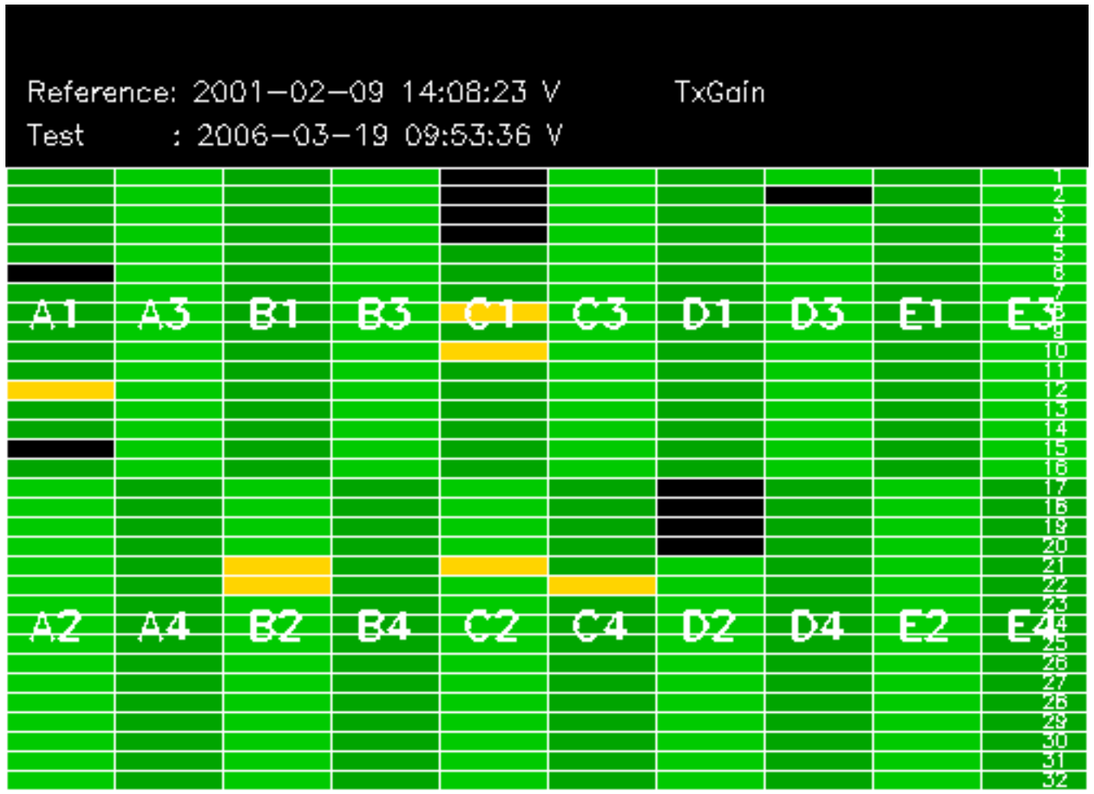
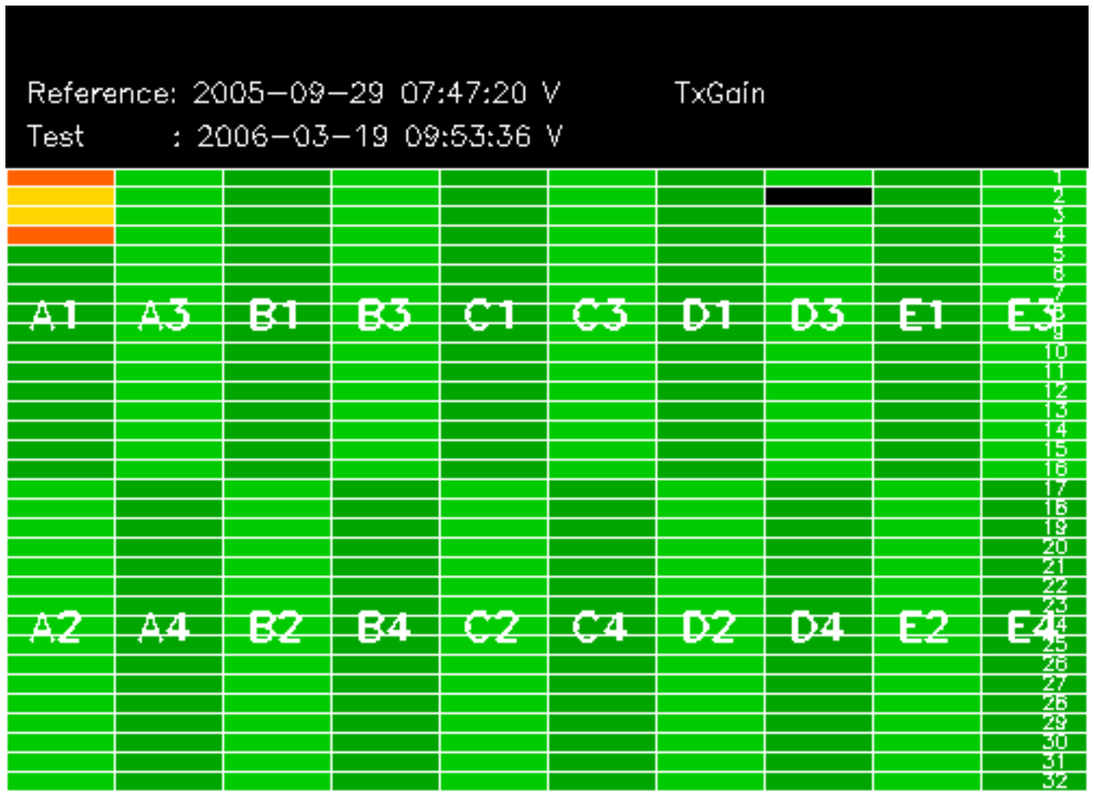

Reference: 2001-02-09 14:08:23 V
Test : 2006-03-19 09:53:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-19 09:53:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
C2
C4
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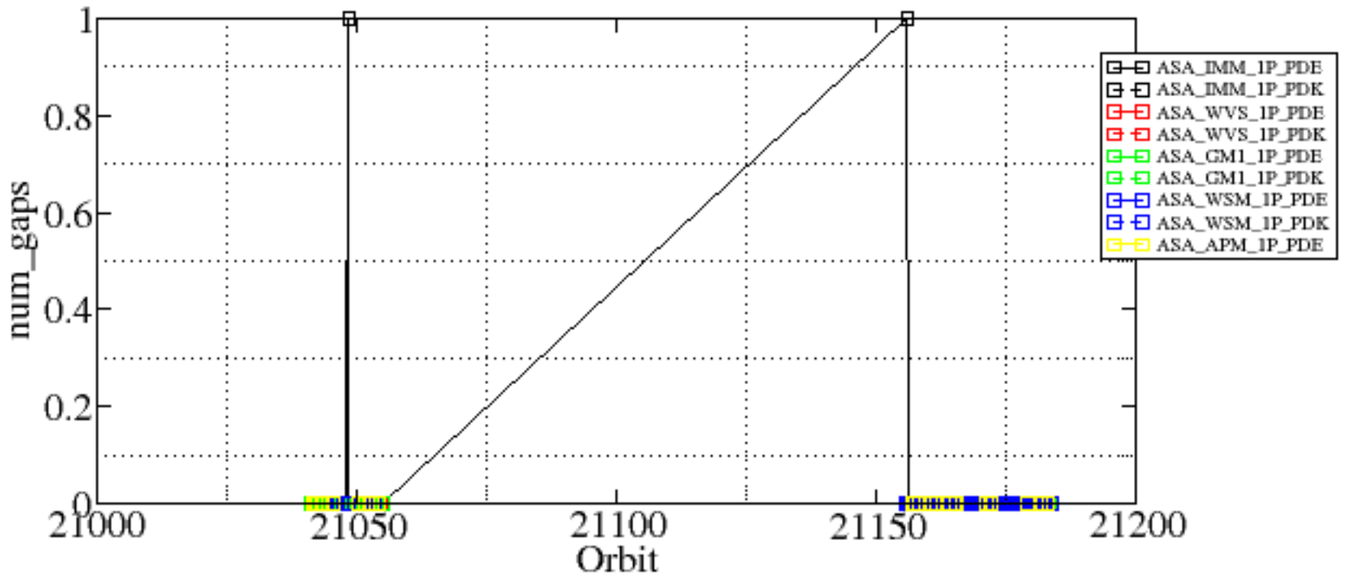
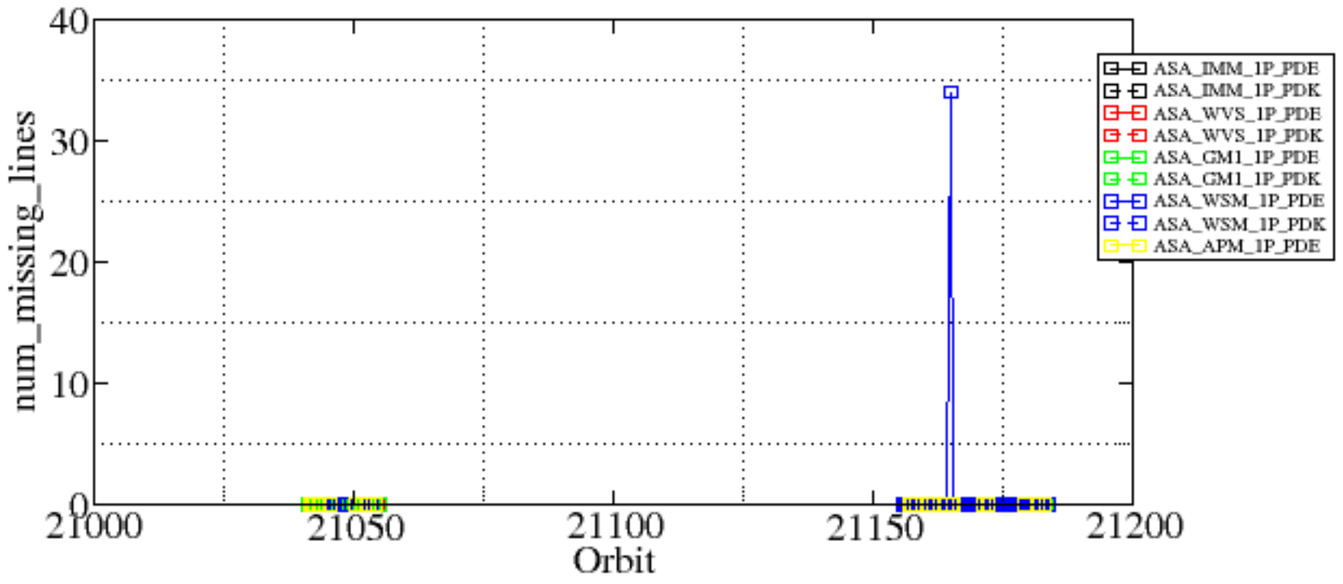
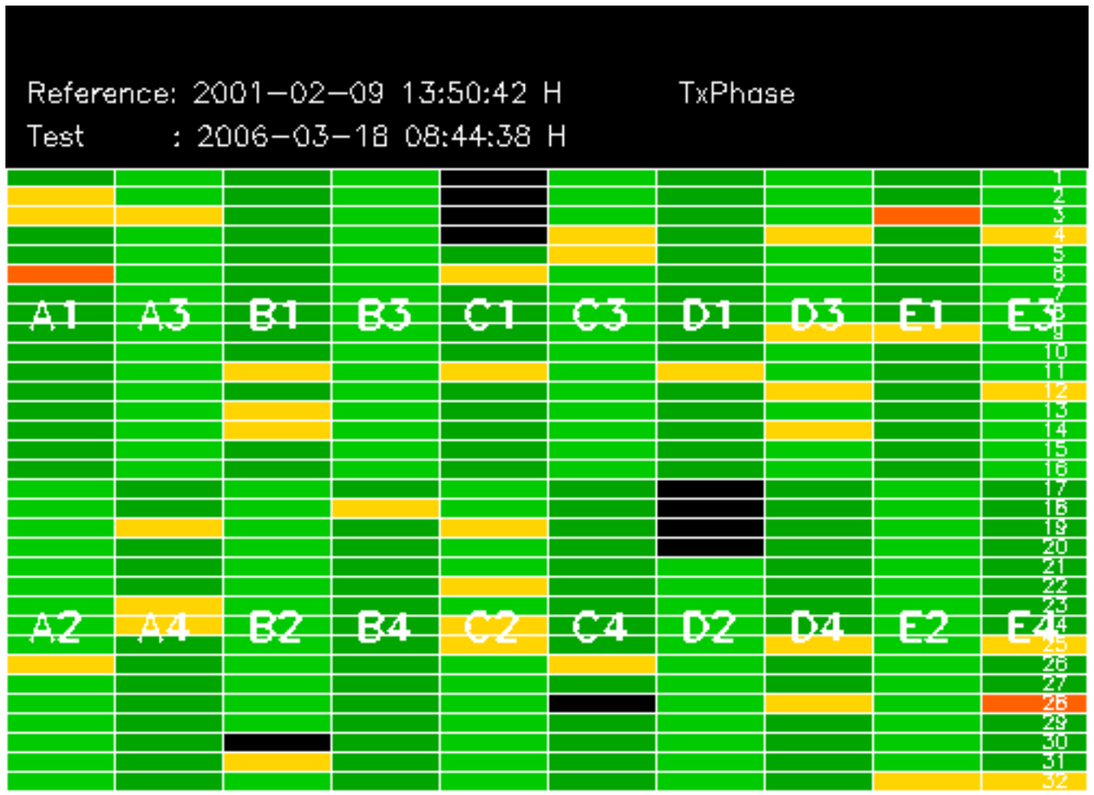
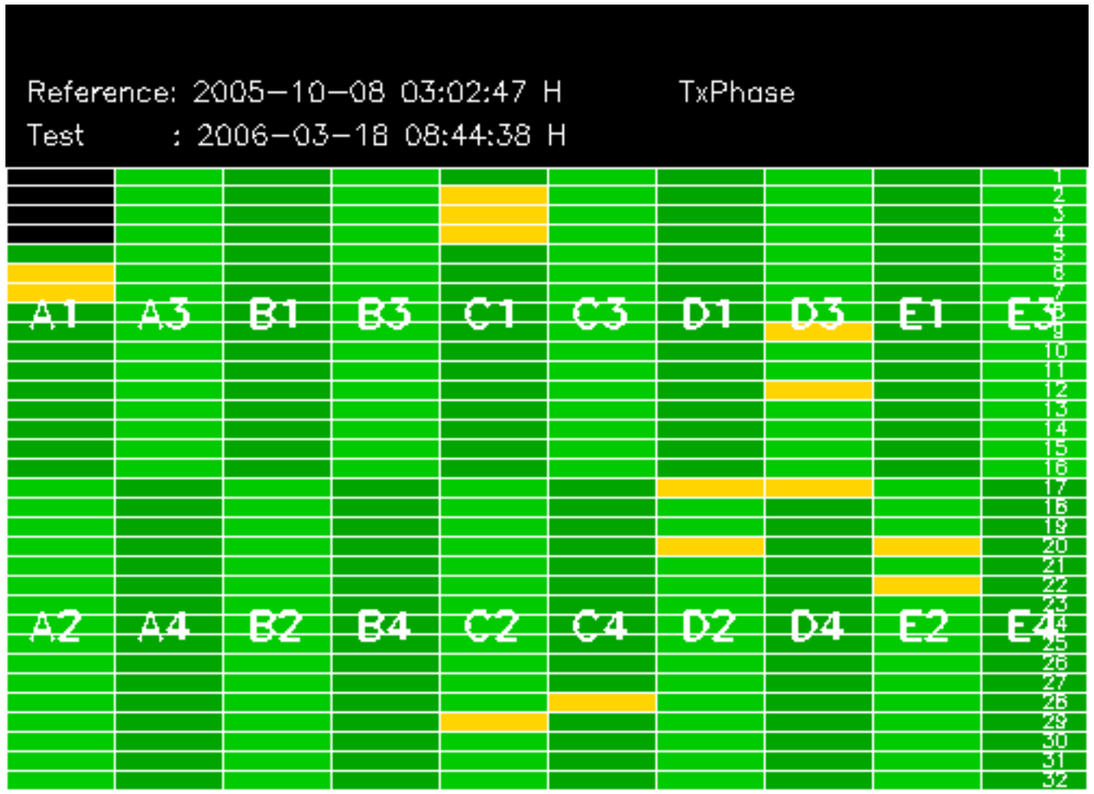
Summary of analysis for the last 3 days 2006031[890]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060310_124102_000000362045_00453_21048_0326.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060318_005019_000002372046_00059_21155_1081.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060318_160549_000002022046_00069_21165_1344.N1 </td> <td>0 </td> <td>34 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
21000
21050
21100
21150
21200
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


num_missing_lines
40
30
20
10
0
21000
21050
21100
21150
21200
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


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-18 08:44:38 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-03-18 08:44:38 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
6
7
8
9
10
11
12
13
14
15
16
17
18
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21
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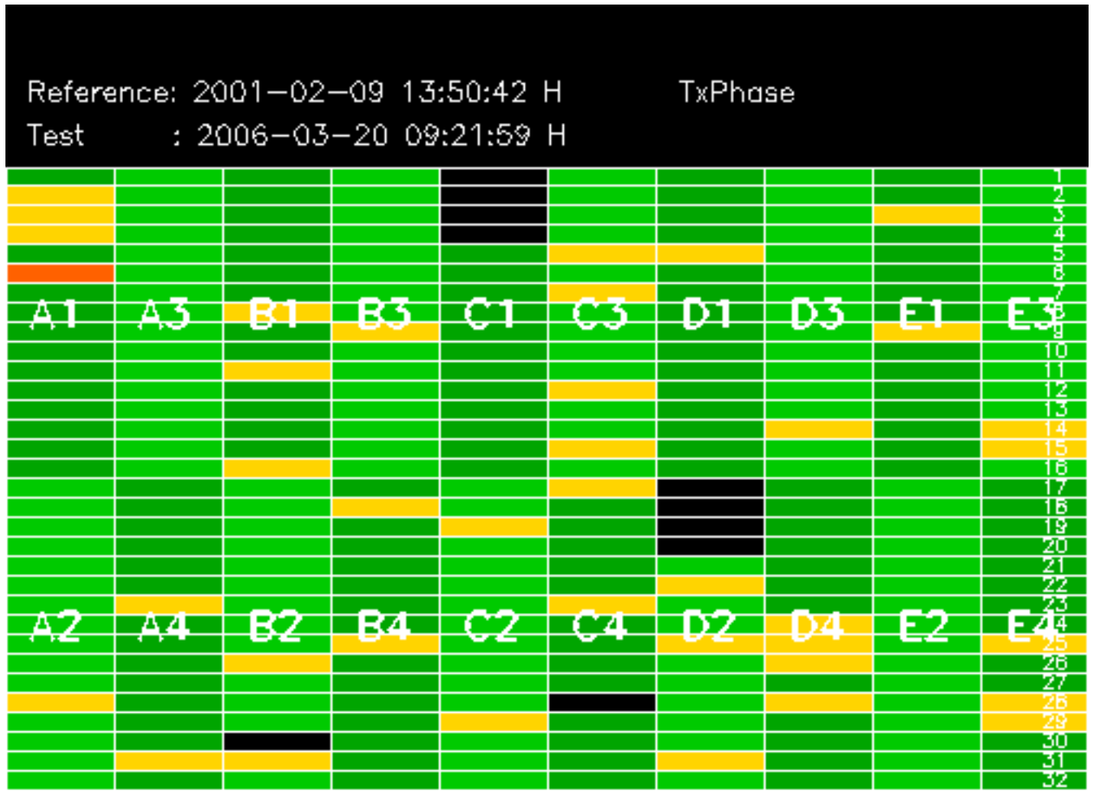
31
32


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-03-20 09:21:59 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
6
7
8
9
10
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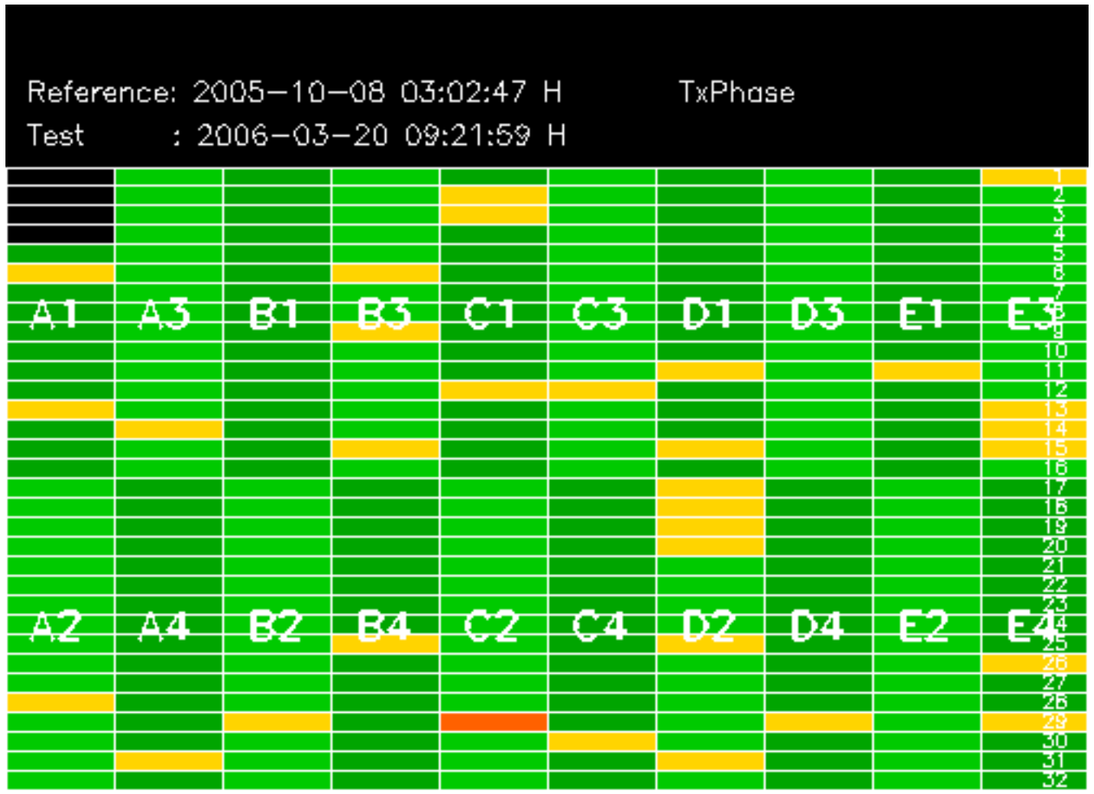
32


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-03-20 09:21:59 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
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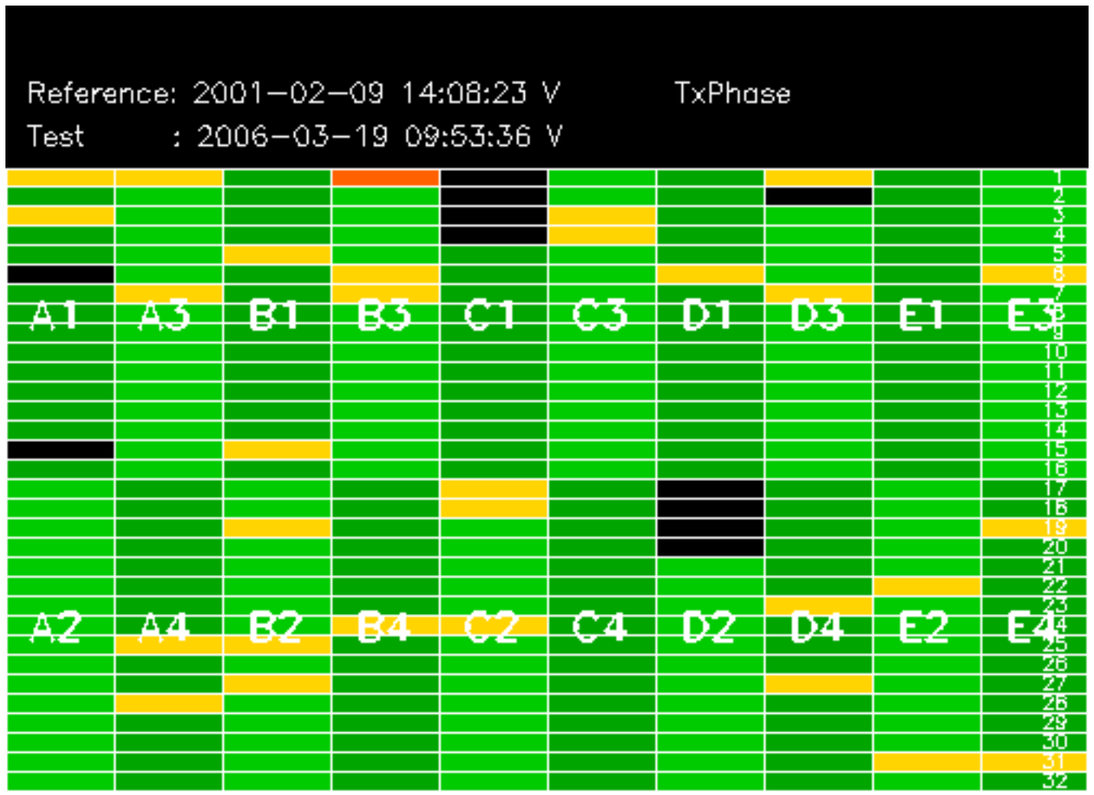
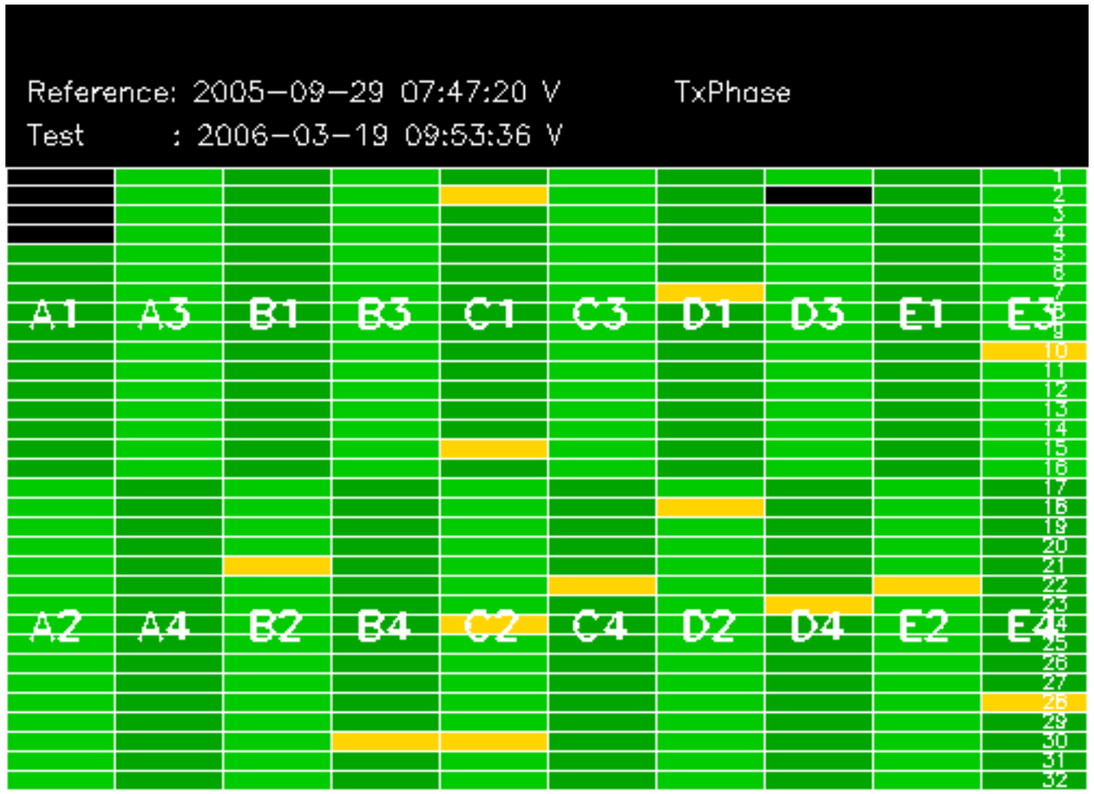

Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-03-19 09:53:36 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-19 09:53:36 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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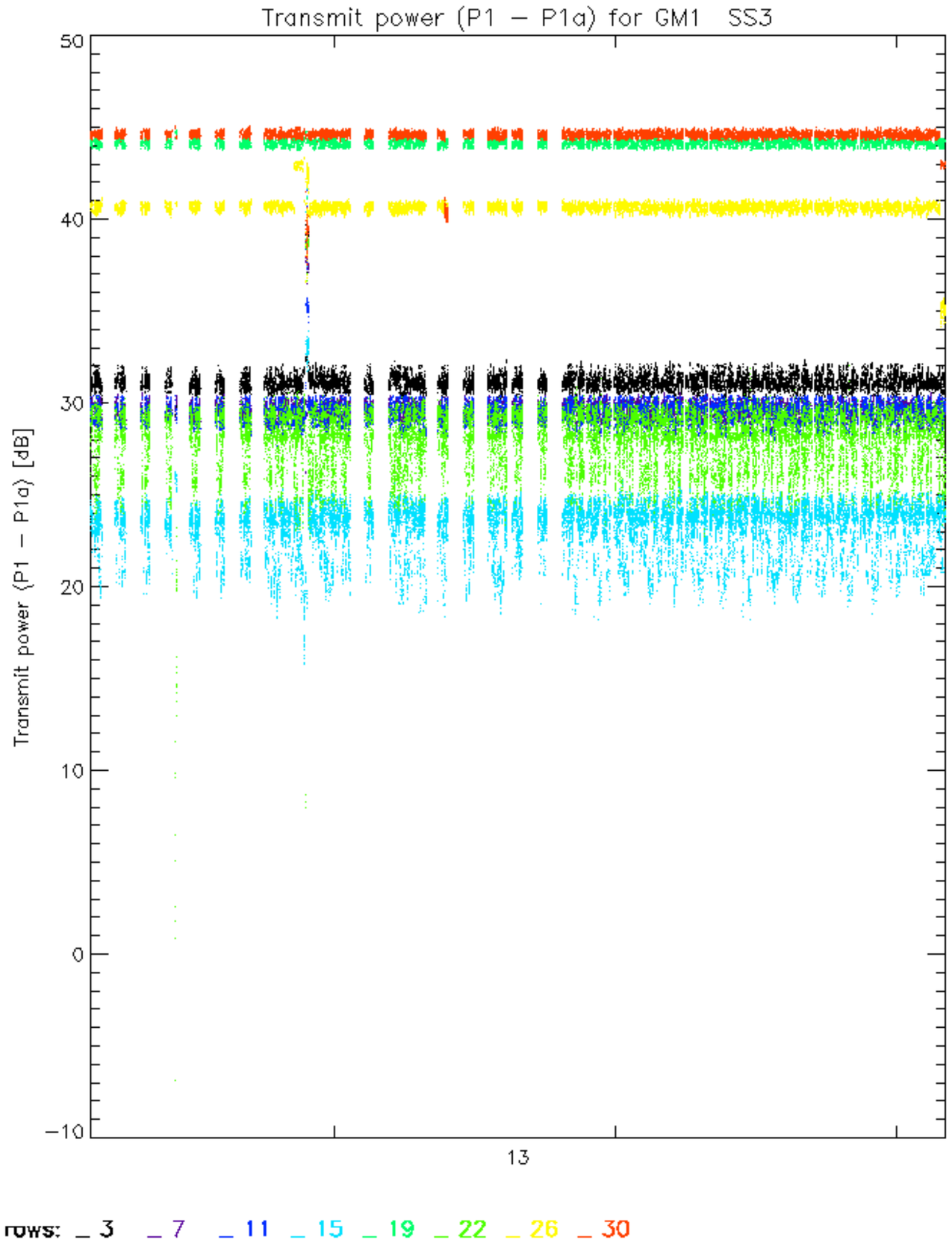
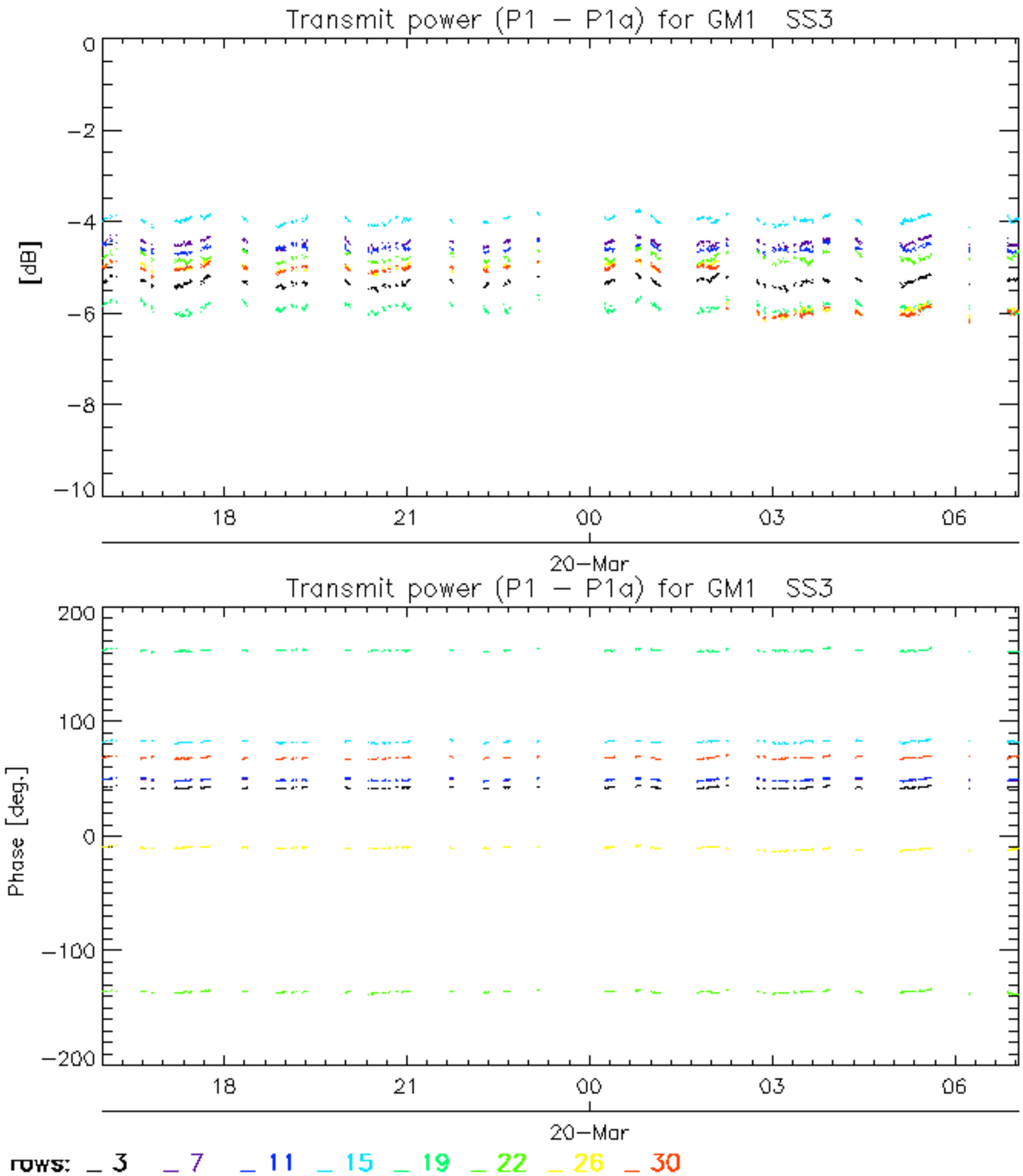
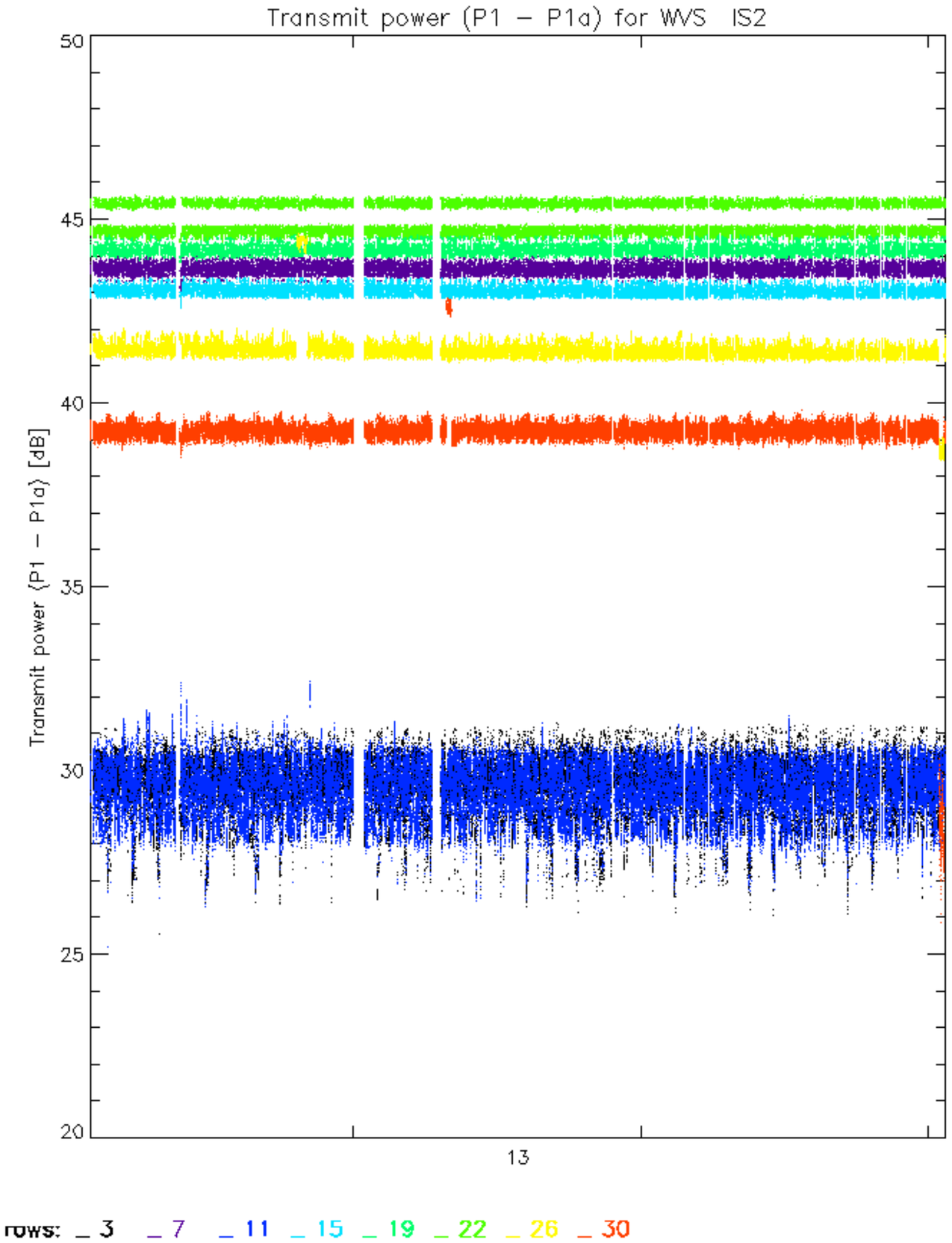
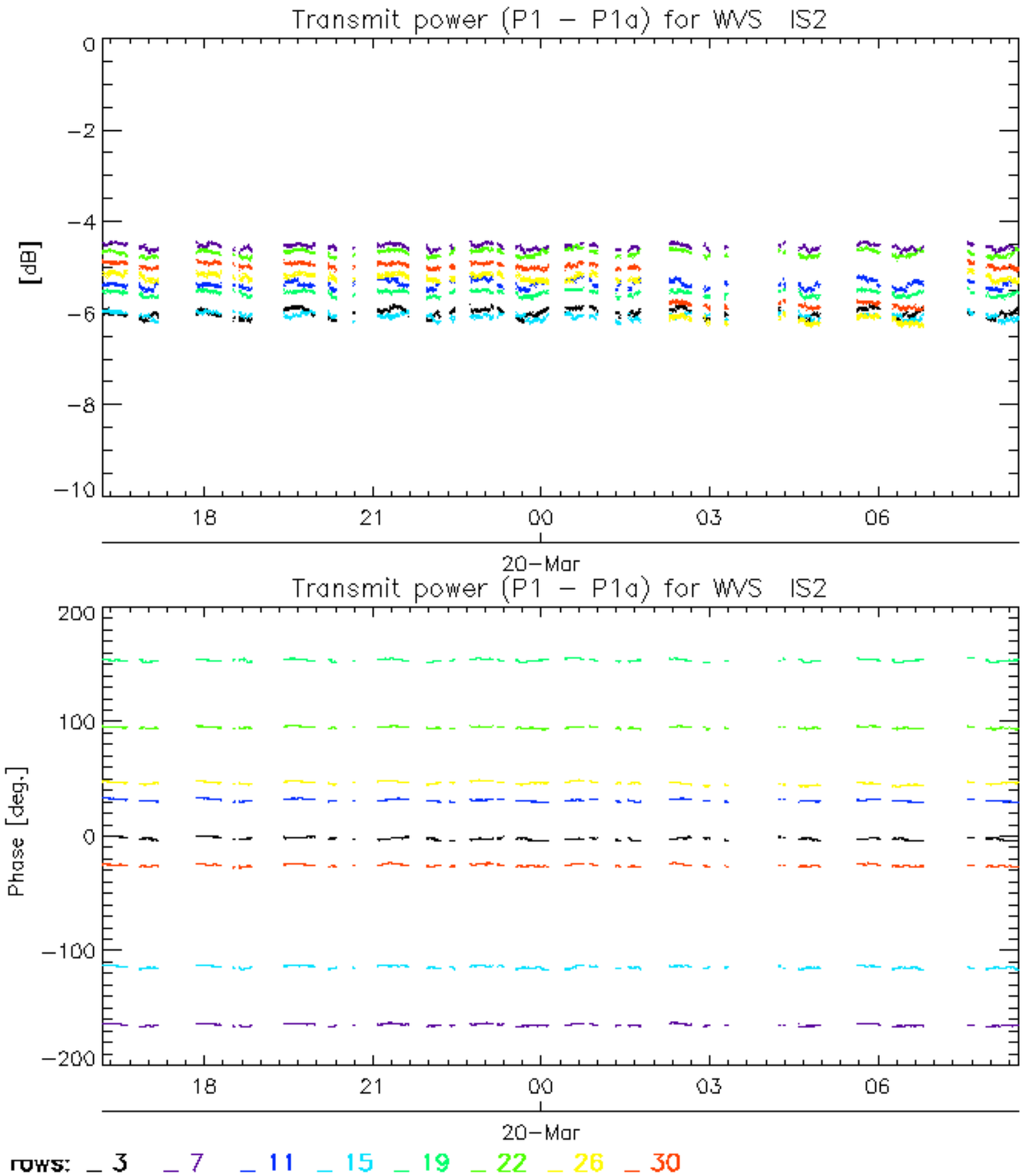

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
13
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
20–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
20–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
13
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
20−Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
20−Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.