PRELIMINARY REPORT OF 050323

last update on Wed Mar 23 11:35:33 GMT 2005

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

ASAR unavailable from 22-MAR-2005 09:03:10.00 to 22-MAR-2005 09:09:10.00.
Antenna reset due to OOL tempterature for Tile E1.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2005-03-22 00:00:00 to 2005-03-23 11:35:33

PDHS-K

AUXILIARY FILE	WVS	GM1	IMM	APM	WSM
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	29	48	1	0	4
ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000	29	48	1	0	4
ASA_CON_AXVIEC20041215_175442_20030601_000000_20051231_000000	29	48	1	0	4
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	29	48	1	0	4

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	44	40	4	8	4
ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000	44	40	4	8	4
ASA_CON_AXVIEC20041215_175442_20030601_000000_20051231_000000	44	40	4	8	4
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	44	40	4	8	4

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

Antenna OOL temperature for tile E1 visible from MS product analysis

- ASA_MS__0PNPDE20050322_042857_000000152035_00405_15990_0109.N1

Polarisation	Start Time
V	20050322 042857
H	20050321 050034

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
☒
☒

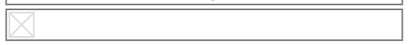
4.1.2 - Evolution for GM1

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	-3.353987	0.013799	0.071056
7	P1	-3.097534	0.008012	-0.024472
11	P1	-4.686695	0.029007	0.060692
15	P1	-5.647226	0.036432	0.063726
19	P1	-3.683864	0.003692	-0.019968
22	P1	-4.517320	0.012387	0.004811
26	P1	-4.944077	0.016595	0.033017
30	P1	-7.192554	0.018039	-0.010145
3	P1	-15.906917	0.326120	0.389096
7	P1	-15.517535	0.065041	0.030035
11	P1	-20.948410	0.449608	0.104386
15	P1	-11.585495	0.048091	-0.040739
19	P1	-14.296513	0.023539	-0.054824
22	P1	-15.645084	0.305840	0.050279
26	P1	-17.607489	0.212126	-0.025521
30	P1	-17.972509	0.462460	-0.018390

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.087444	0.082843	0.069119
7	P2	-22.274584	0.094920	0.076829
11	P2	-14.401046	0.106797	0.227068
15	P2	-7.043502	0.091209	0.021376
19	P2	-9.633579	0.093276	0.024844
22	P2	-16.917515	0.093070	0.057547
26	P2	-16.444738	0.091868	0.022217
30	P2	-18.858273	0.082702	0.074379

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.165488	0.004979	0.010673
7	P3	-8.165488	0.004979	0.010673
11	P3	-8.165488	0.004979	0.010673
15	P3	-8.165488	0.004979	0.010673
19	P3	-8.165488	0.004979	0.010673
22	P3	-8.165488	0.004979	0.010673
26	P3	-8.165488	0.004979	0.010673
30	P3	-8.165488	0.004979	0.010673

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	-2.713848	0.025837	0.092694
7	P1	-3.019486	0.048196	0.045886
11	P1	-3.982905	0.026656	0.057605
15	P1	-3.558252	0.033779	0.098022
19	P1	-3.595041	0.013301	-0.015742
22	P1	-5.747099	0.034728	0.032848
26	P1	-7.291033	0.025110	-0.004618
30	P1	-6.227213	0.044998	-0.002858
3	P1	-10.711849	0.171647	0.221731
7	P1	-10.324846	0.175260	0.009537
11	P1	-12.535367	0.136709	0.157170
15	P1	-11.743328	0.101548	0.144907
19	P1	-15.566736	0.043890	0.004791
22	P1	-24.516880	1.158249	-0.294812

26	P1	-15.483335	0.168797	0.002104
30	P1	-20.222580	1.164976	-0.001310

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.793449	0.033547	0.092110
7	P2	-22.359169	0.037765	0.093988
11	P2	-10.170950	0.049626	0.179015
15	P2	-4.979873	0.021730	-0.001943
19	P2	-6.829088	0.032168	0.017332
22	P2	-7.094306	0.031073	0.065724
26	P2	-23.849195	0.027621	0.023535
30	P2	-21.895355	0.033254	0.037252

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-7.998353	0.002784	0.012211
7	P3	-7.998363	0.002790	0.011785
11	P3	-7.998319	0.002807	0.012216
15	P3	-7.998412	0.002798	0.012397
19	P3	-7.998329	0.002804	0.011978
22	P3	-7.998304	0.002789	0.011871
26	P3	-7.998337	0.002795	0.011941
30	P3	-7.998335	0.002801	0.012172

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	0.000453910
	stdev	2.27210e-07
MEAN Q	mean	0.000484541
	stdev	2.36856e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.127951
	stdev	0.00104771
STDEV Q	mean	0.128200
	stdev	0.00105903

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005032[123]
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_WSM_1PNPDE20050322_182848_000000862035_00414_15999_2591.N1	0	31

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

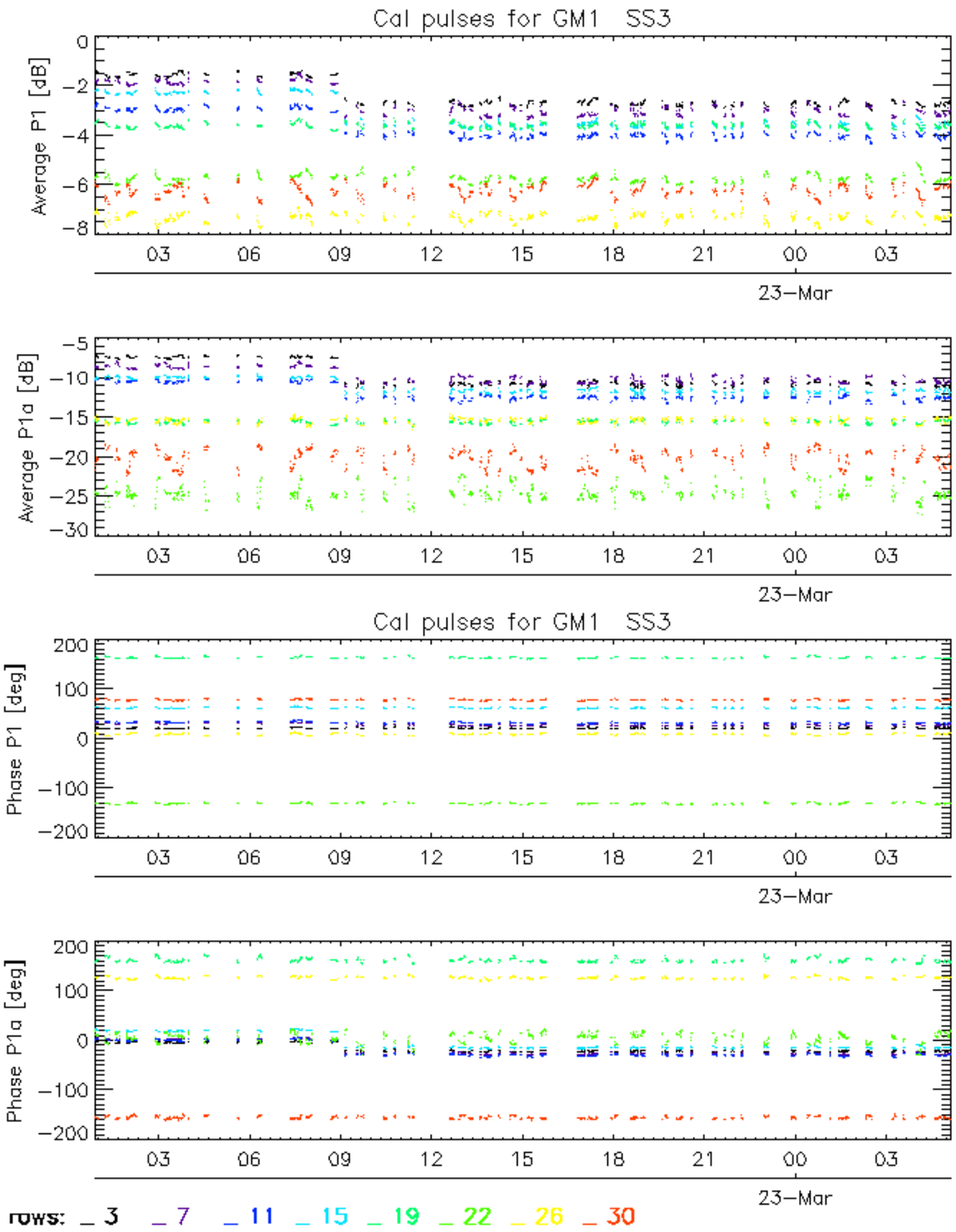
Descending

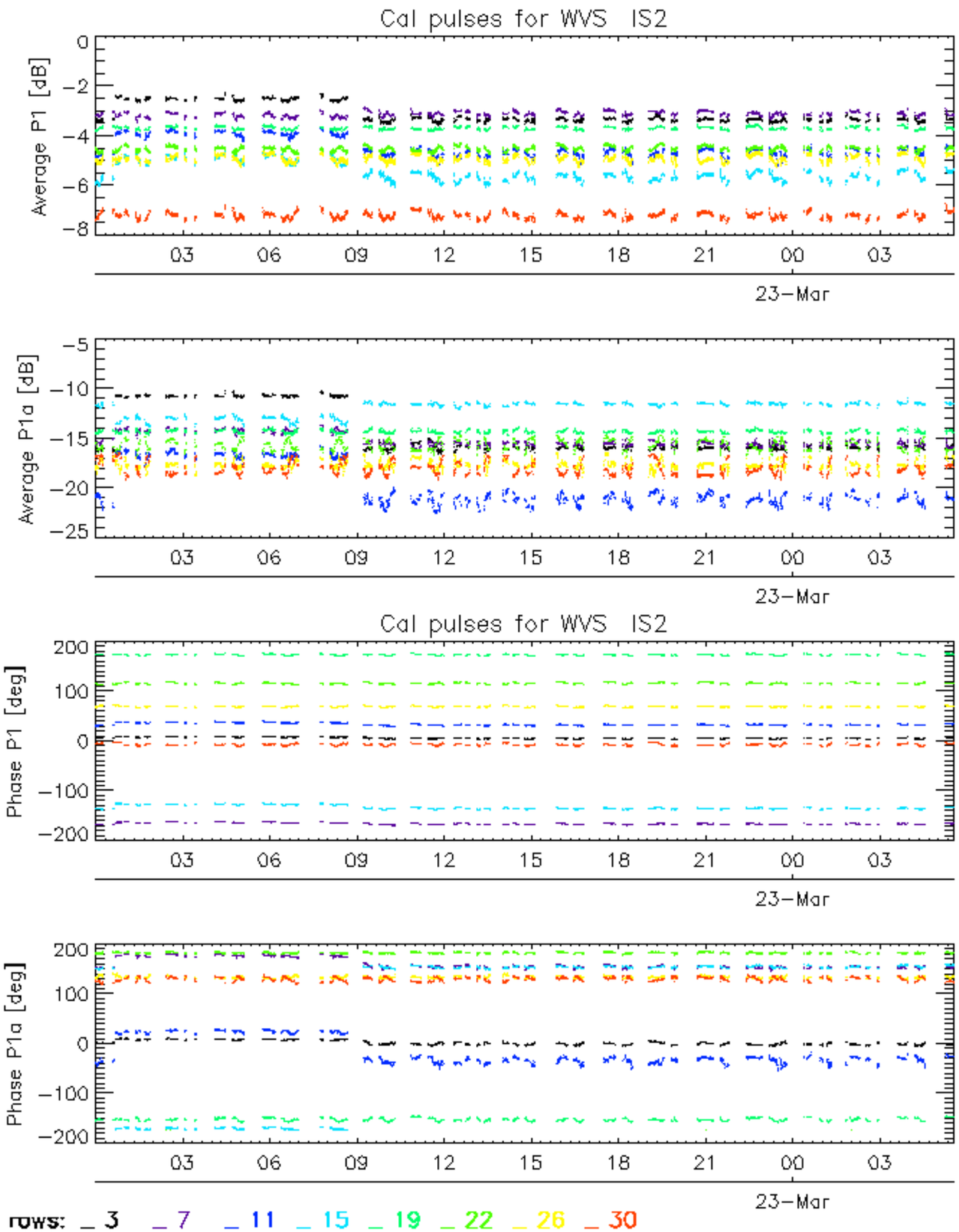
7.5 - Absolute Doppler for GM1

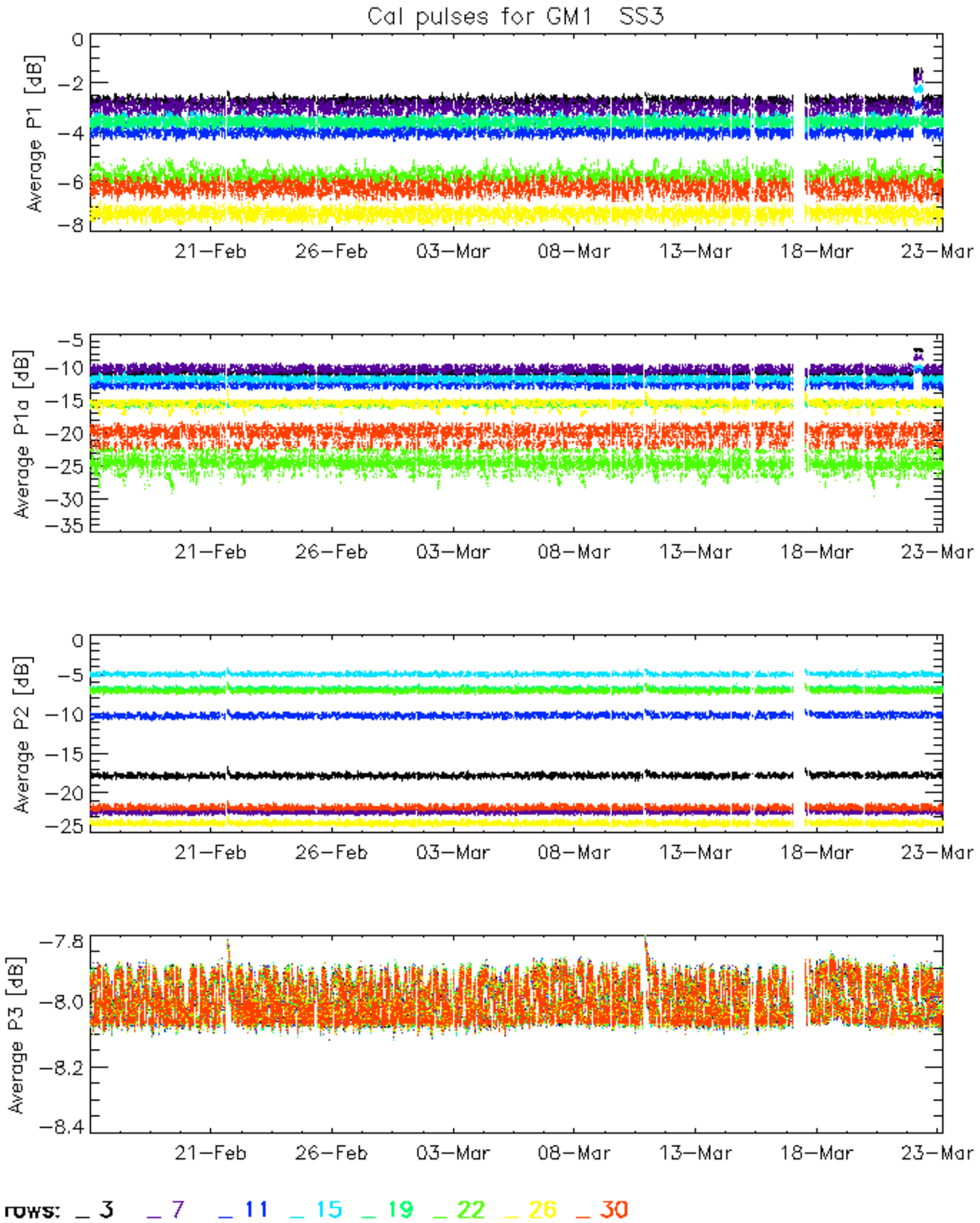
Evolution of Absolute Doppler
Acsending
Descending

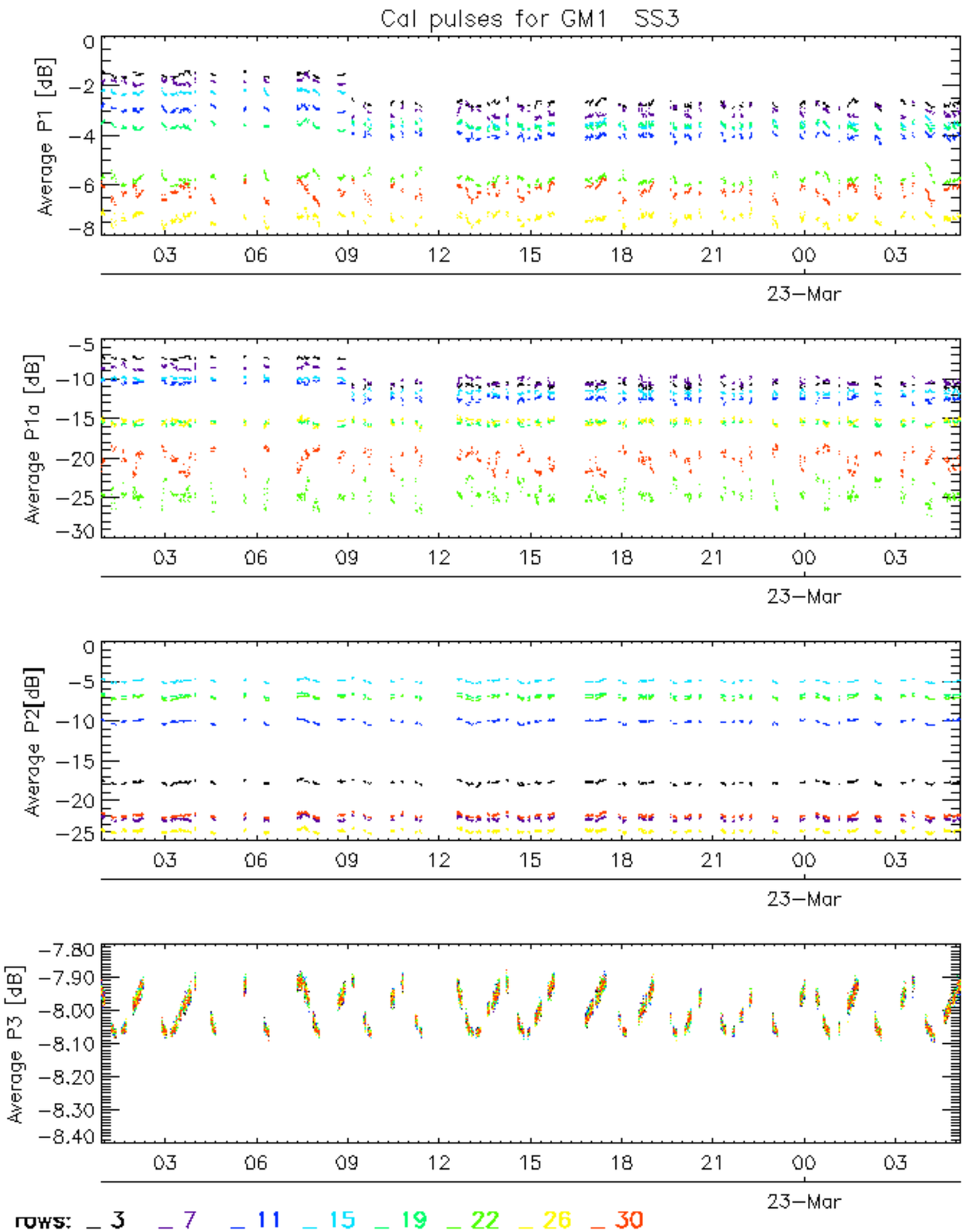
7.6 - Doppler evolution versus ANX for GM1

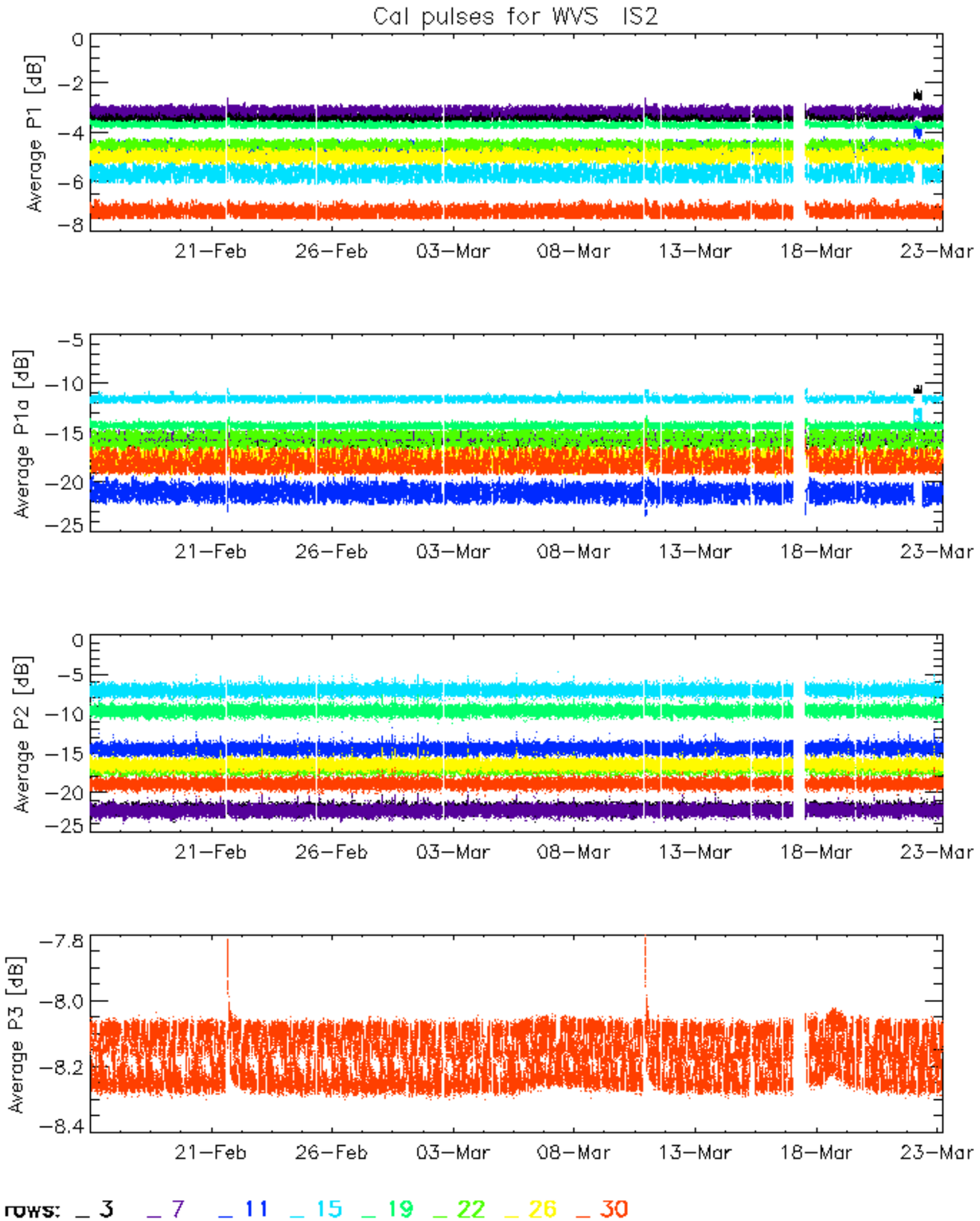
Evolution Doppler error versus ANX

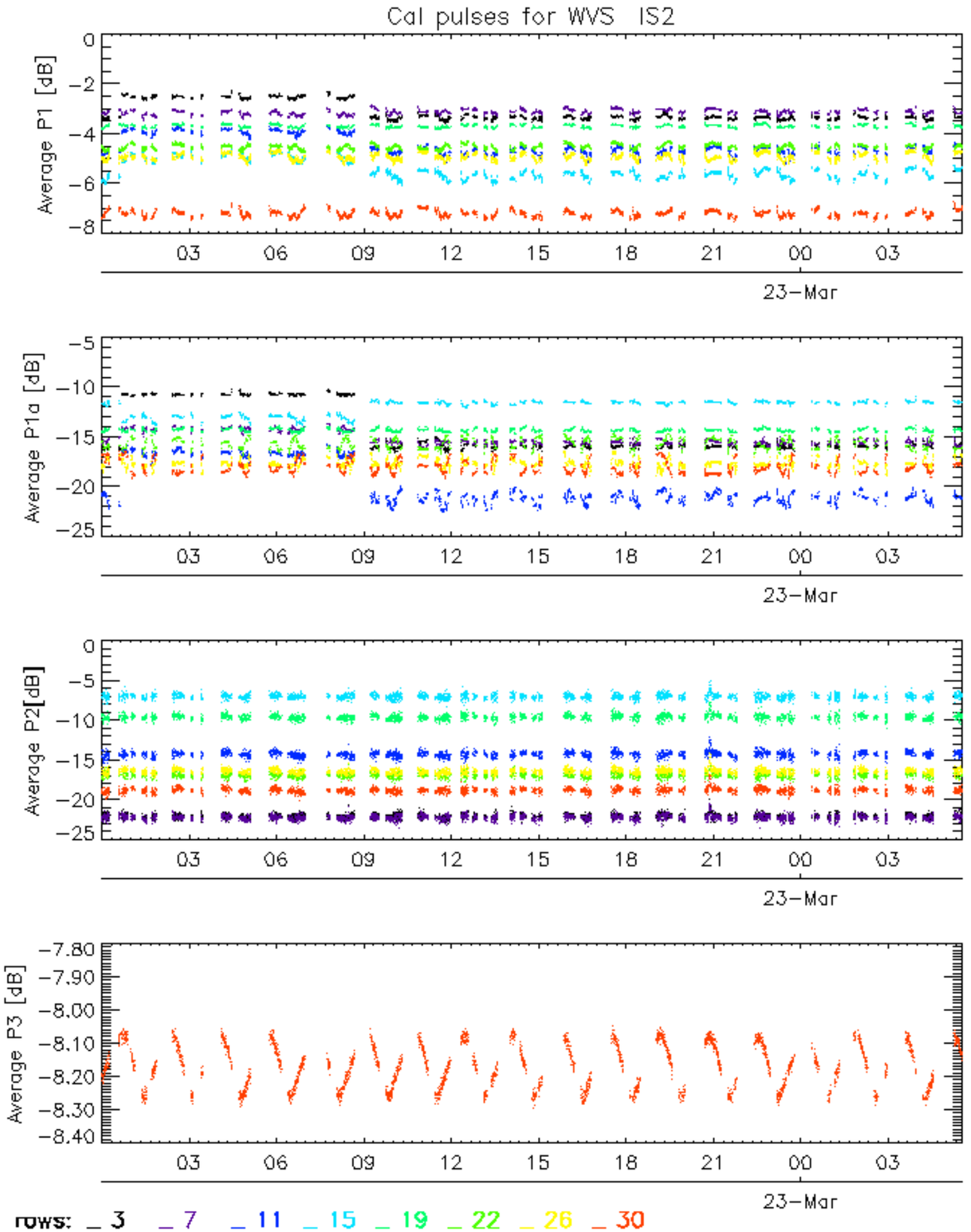

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
23−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


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

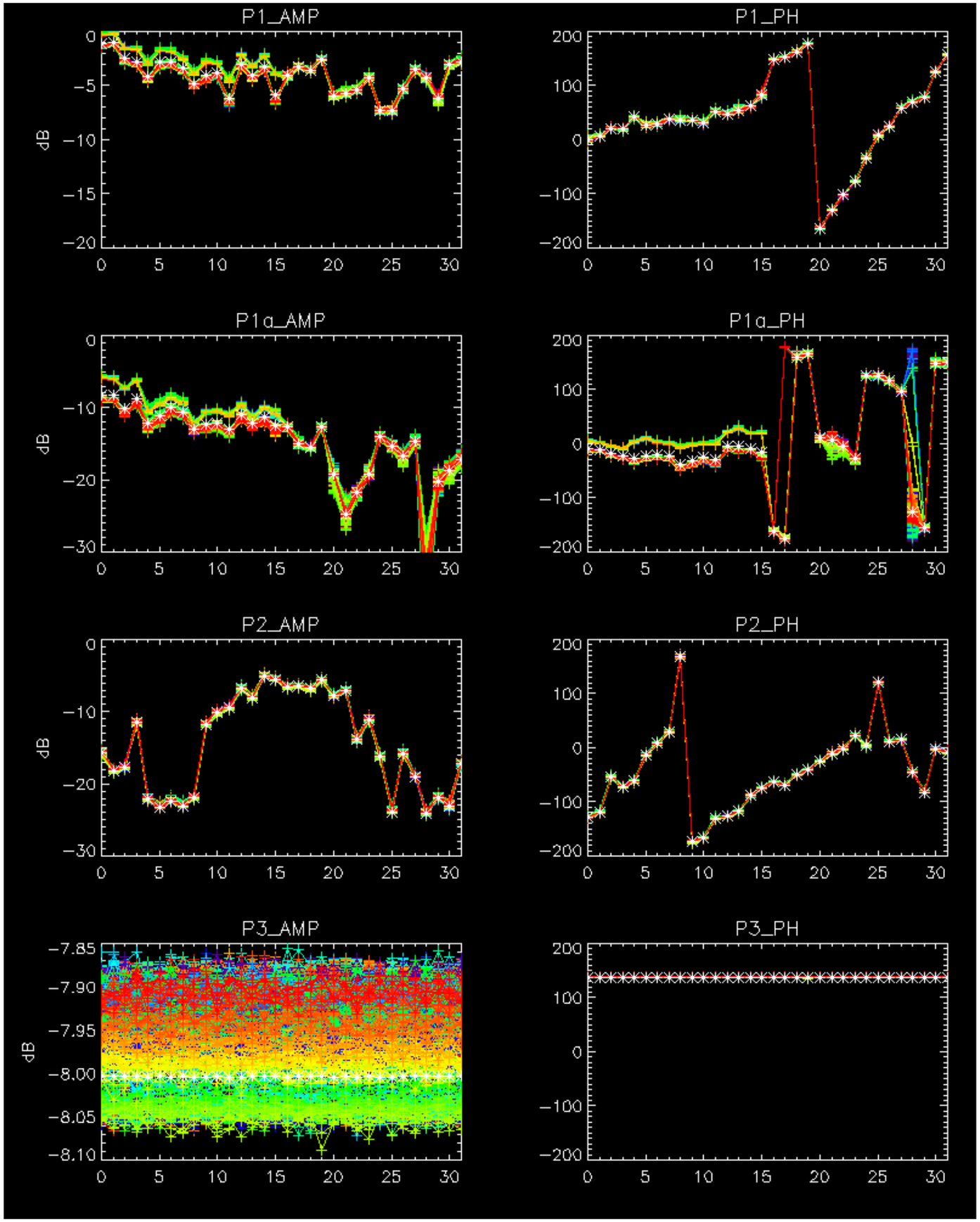

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

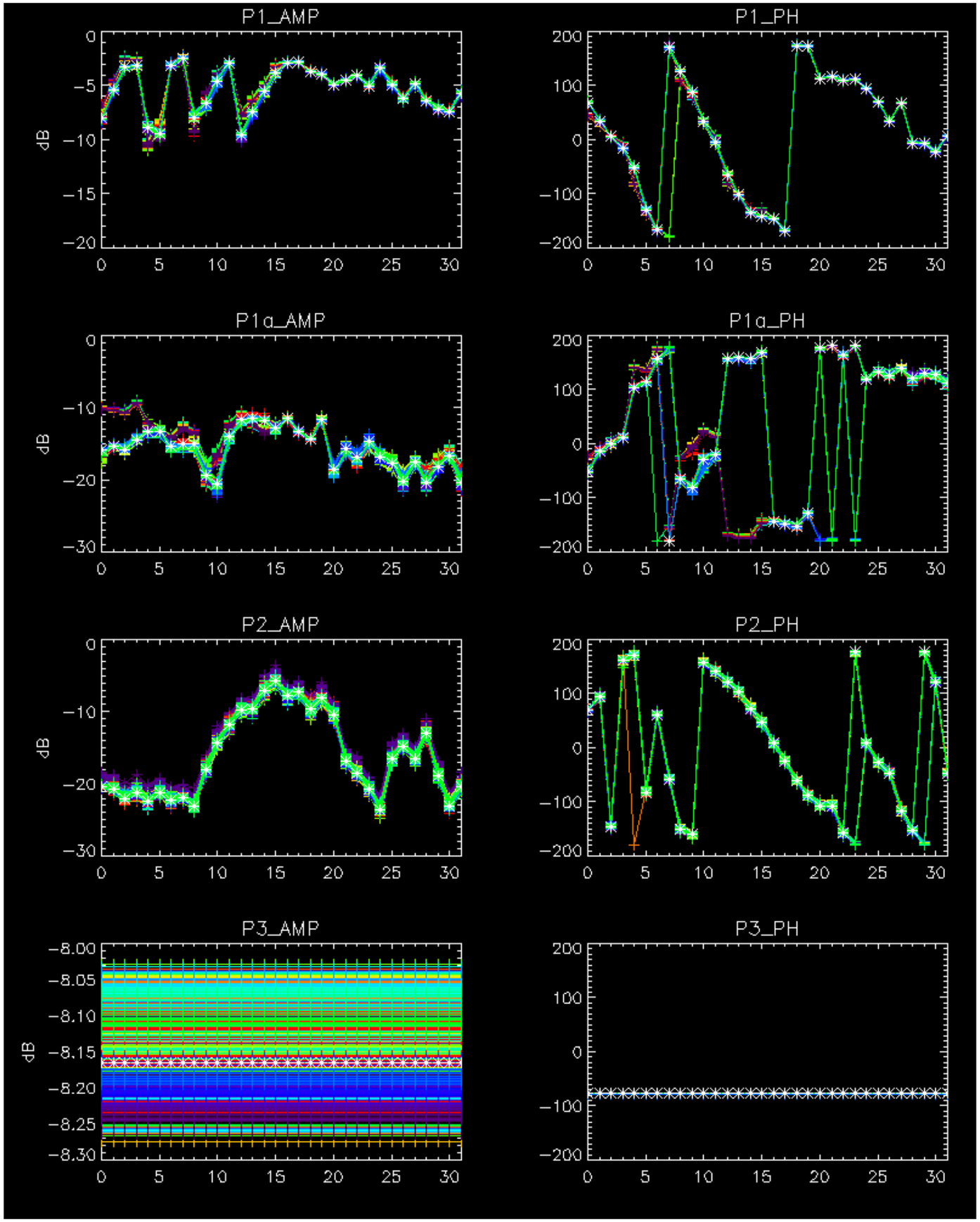

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
23−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
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 WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
23−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30

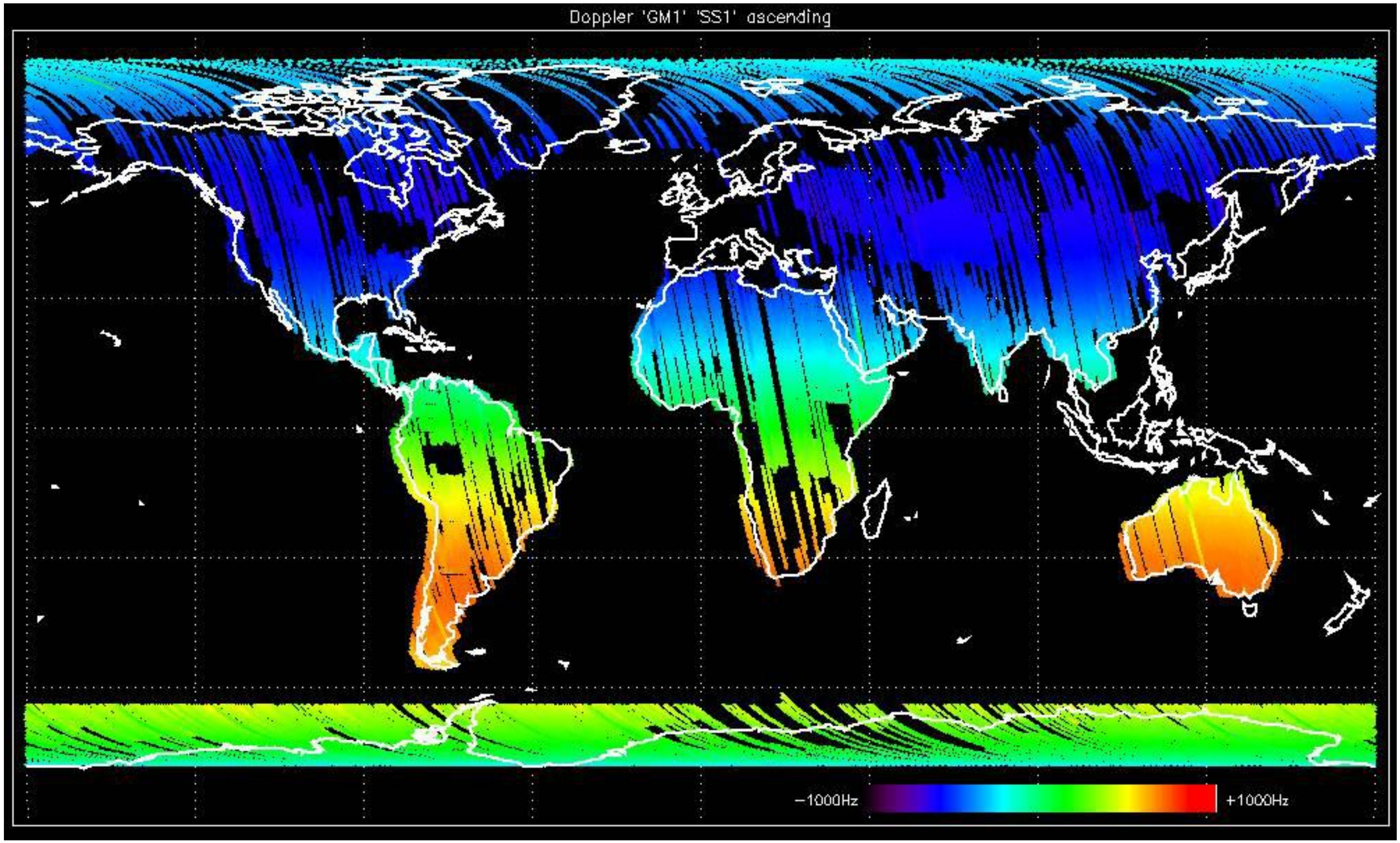
No anomalies observed.

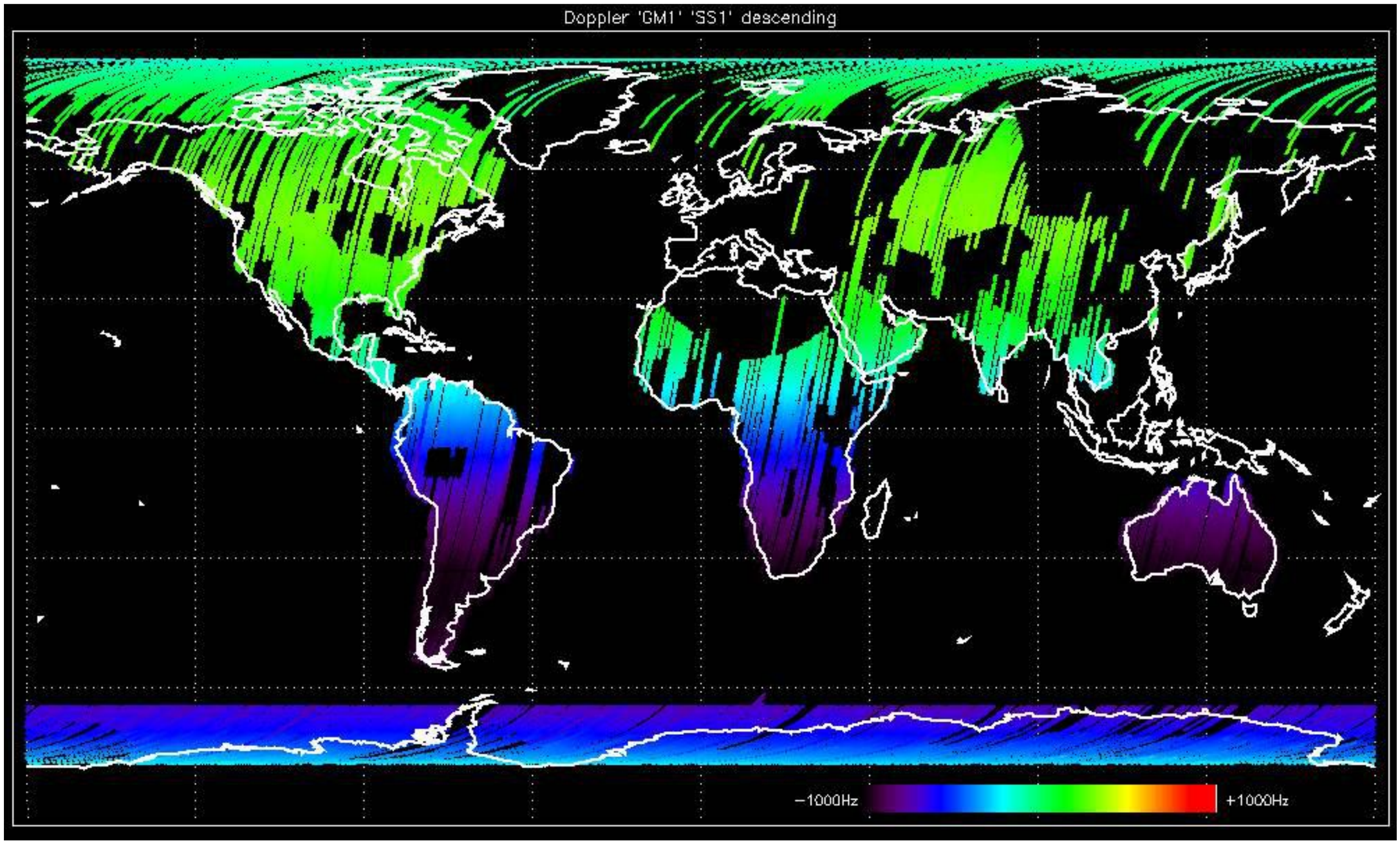

P1_AMP
dB
0
−5
−10
−15
−20
0 5 10 15 20 25 30
P1_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P1a_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P1a_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P2_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P2_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P3_AMP
dB
−7.85
−7.90
−7.95
−8.00
−8.05
−8.10
0 5 10 15 20 25 30
P3_PH
200
100
0
−100
−200
0 5 10 15 20 25 30

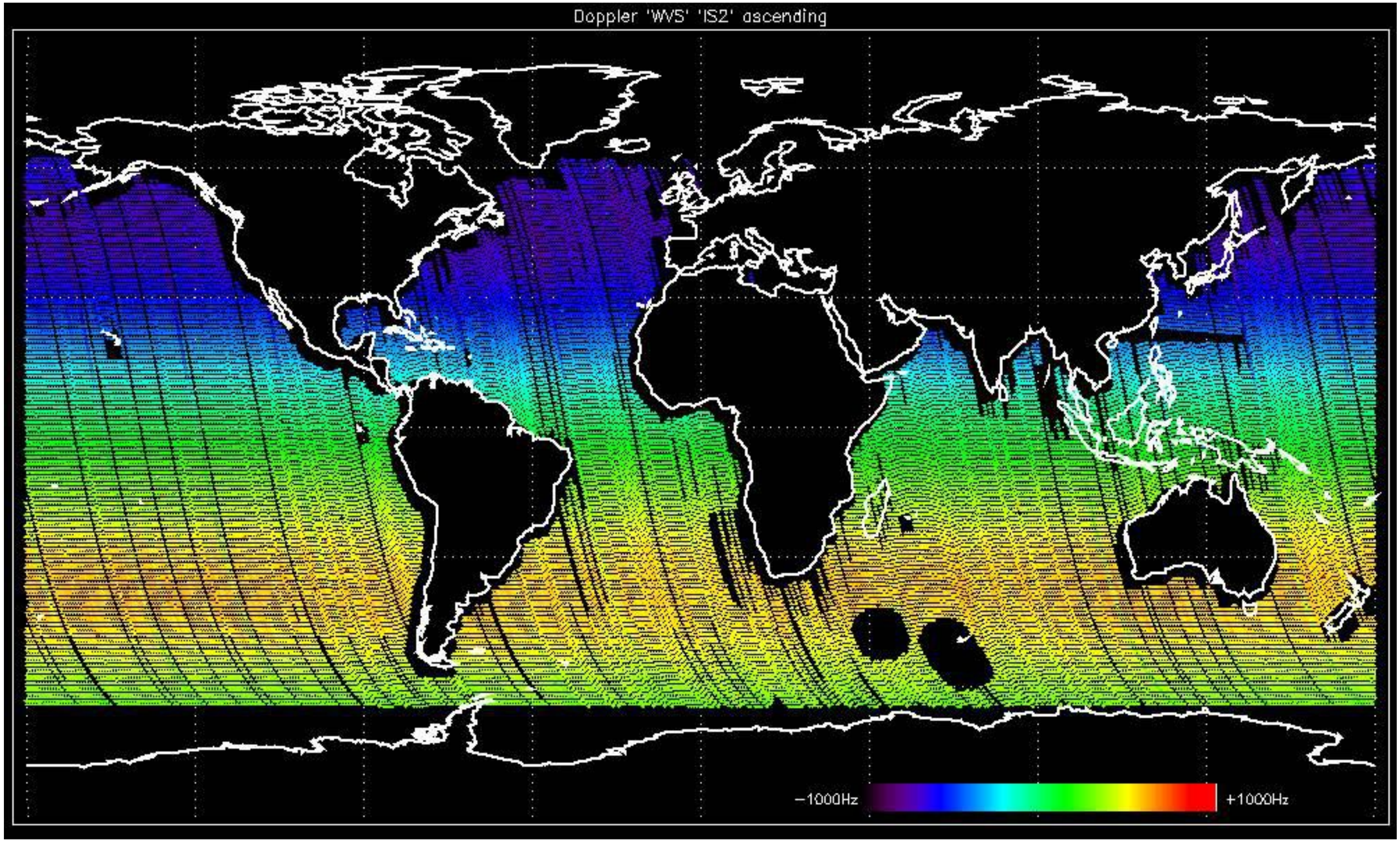

P1_AMP
dB
0
−5
−10
−15
−20
0 5 10 15 20 25 30
P1_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P1a_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P1a_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P2_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P2_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P3_AMP
dB
−8.00
−8.05
−8.10
−8.15
−8.20
−8.25
−8.30
0 5 10 15 20 25 30
P3_PH
200
100
0
−100
−200
0 5 10 15 20 25 30

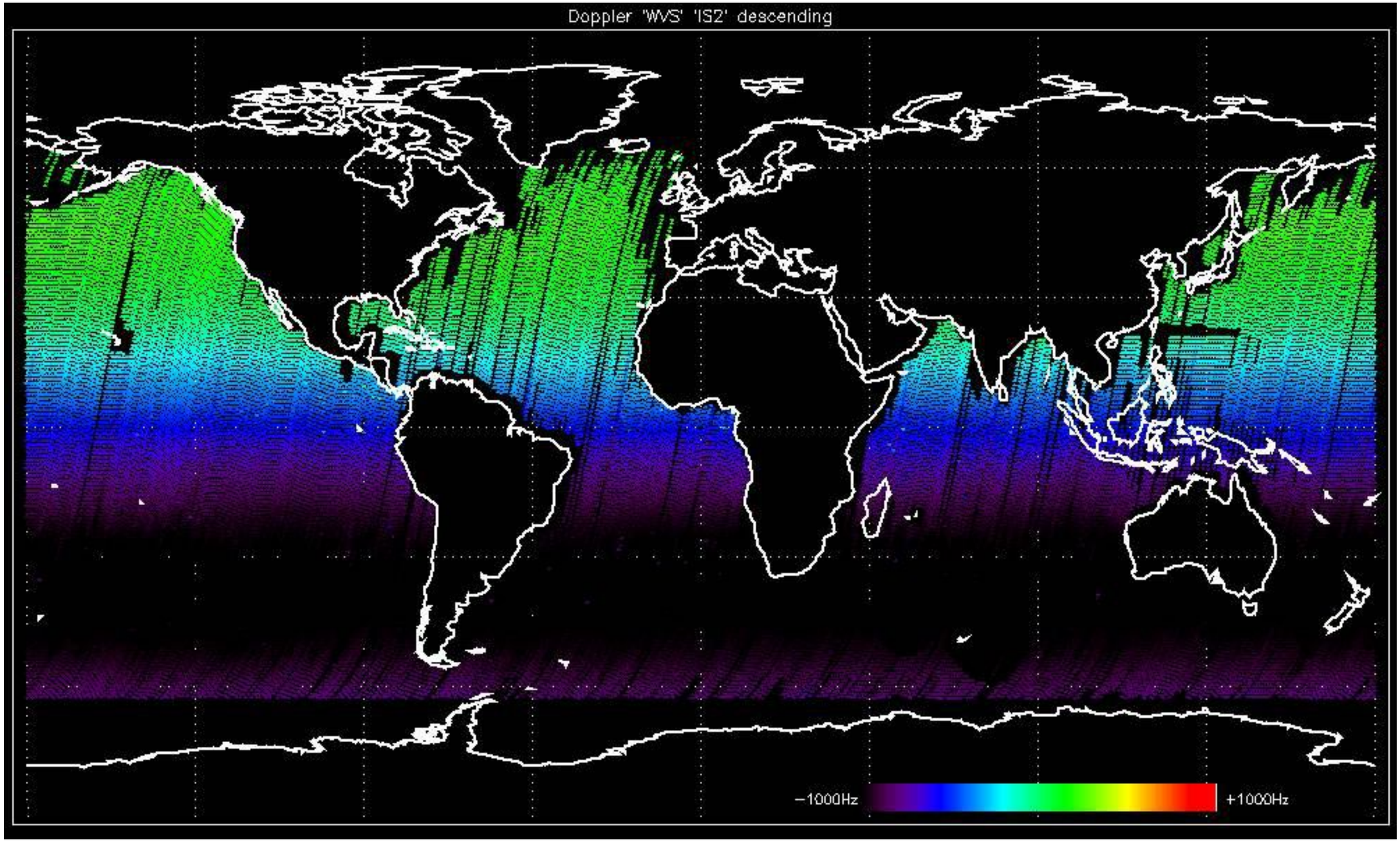
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

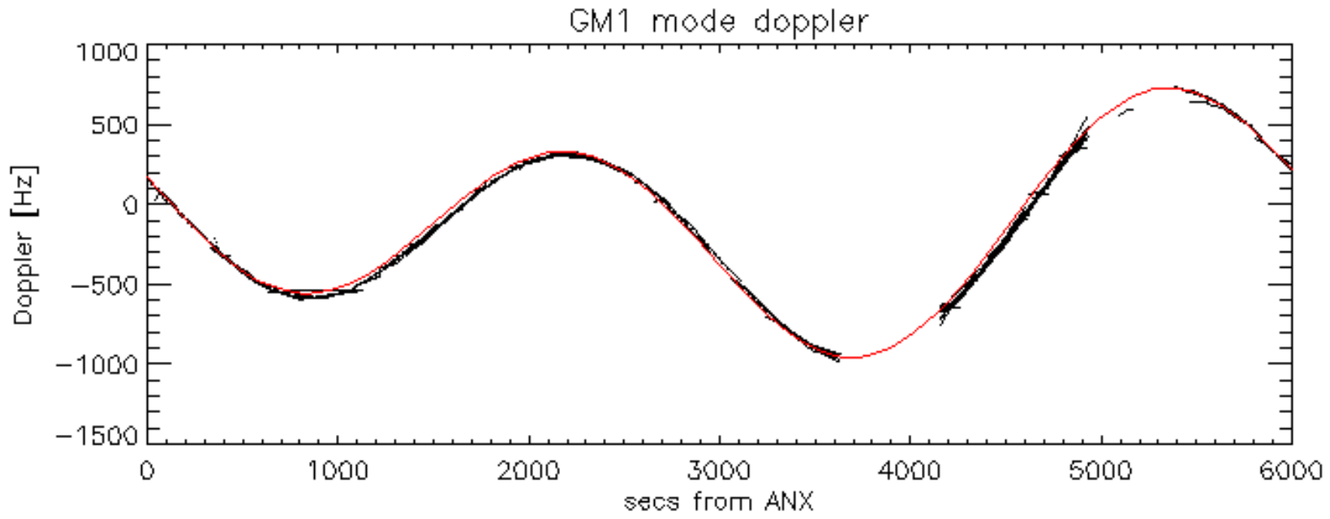
Preliminary report.The data is not yet controled

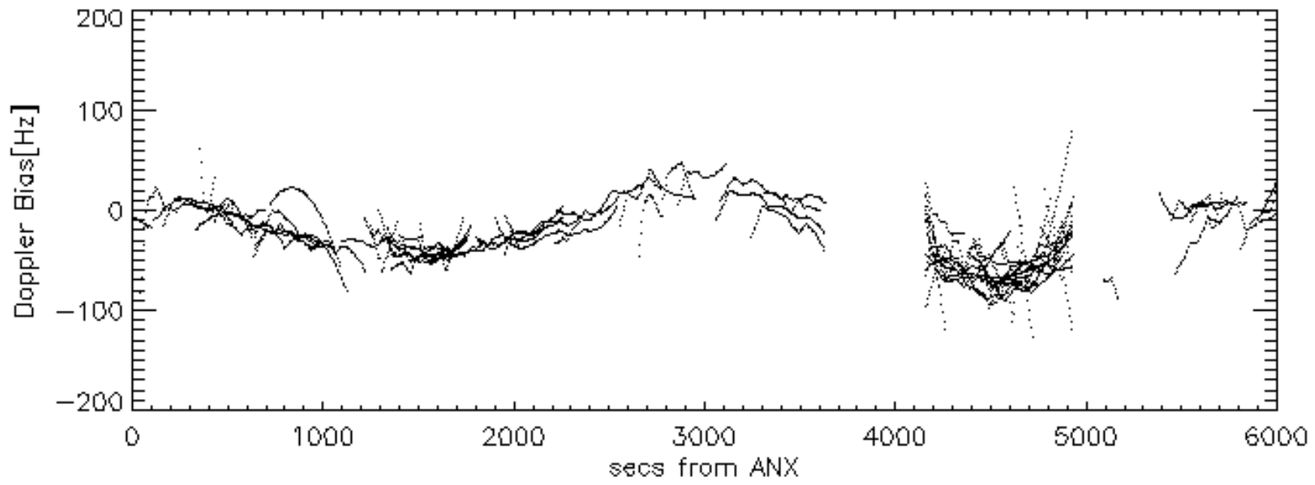

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

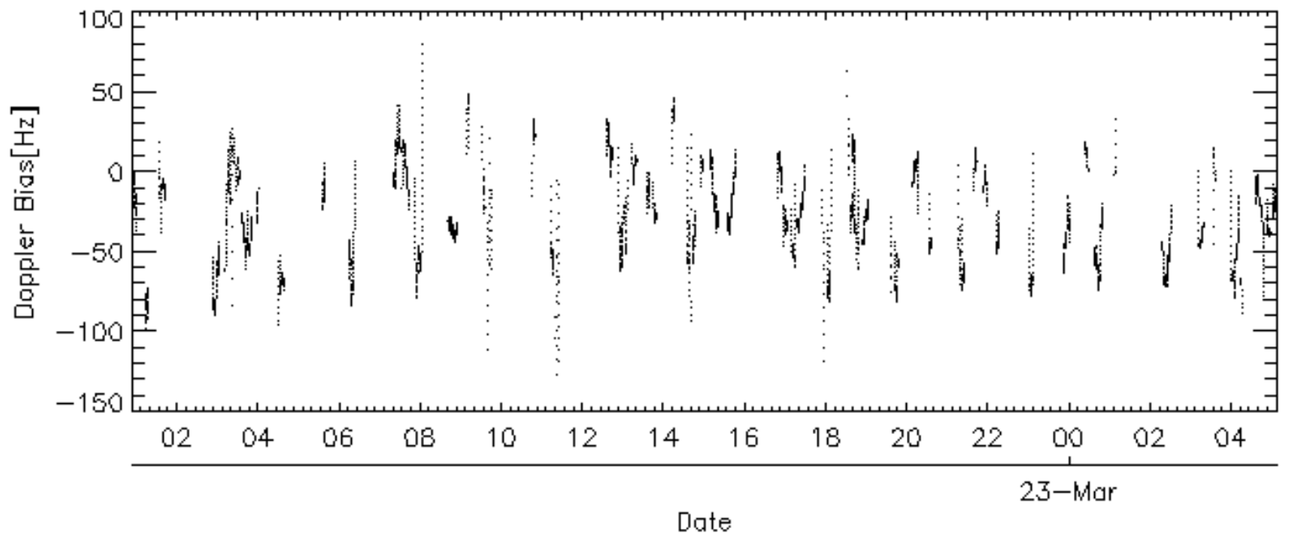

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

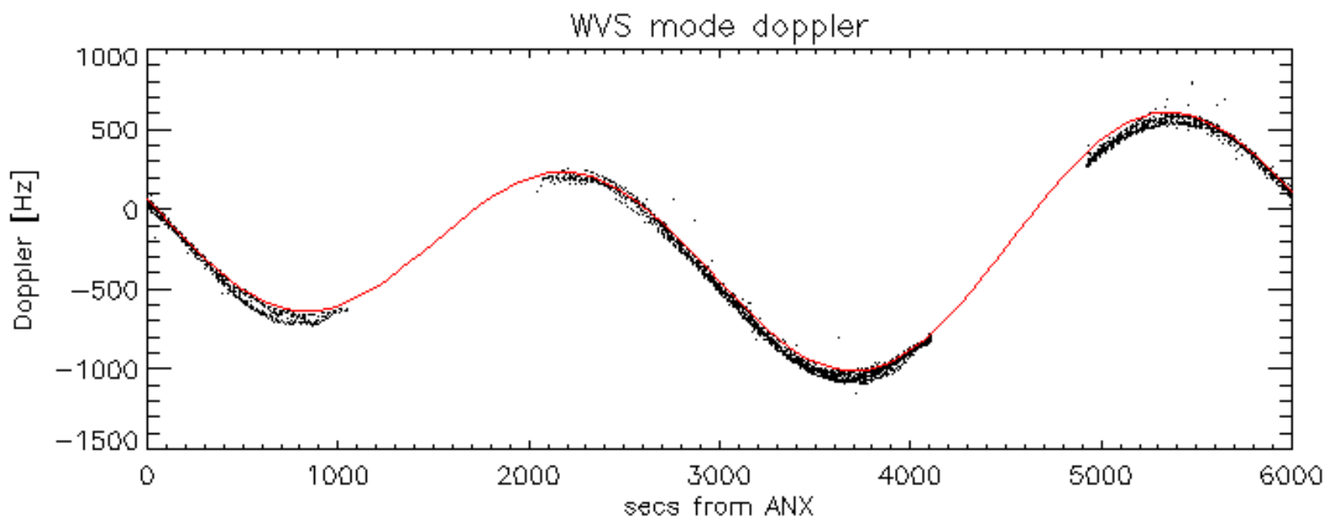

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

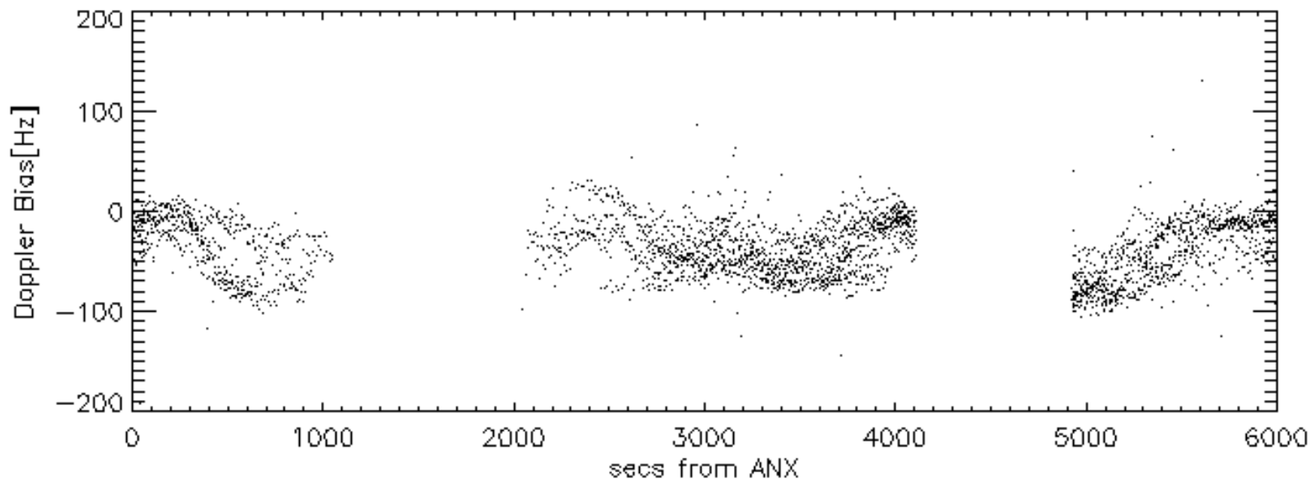

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

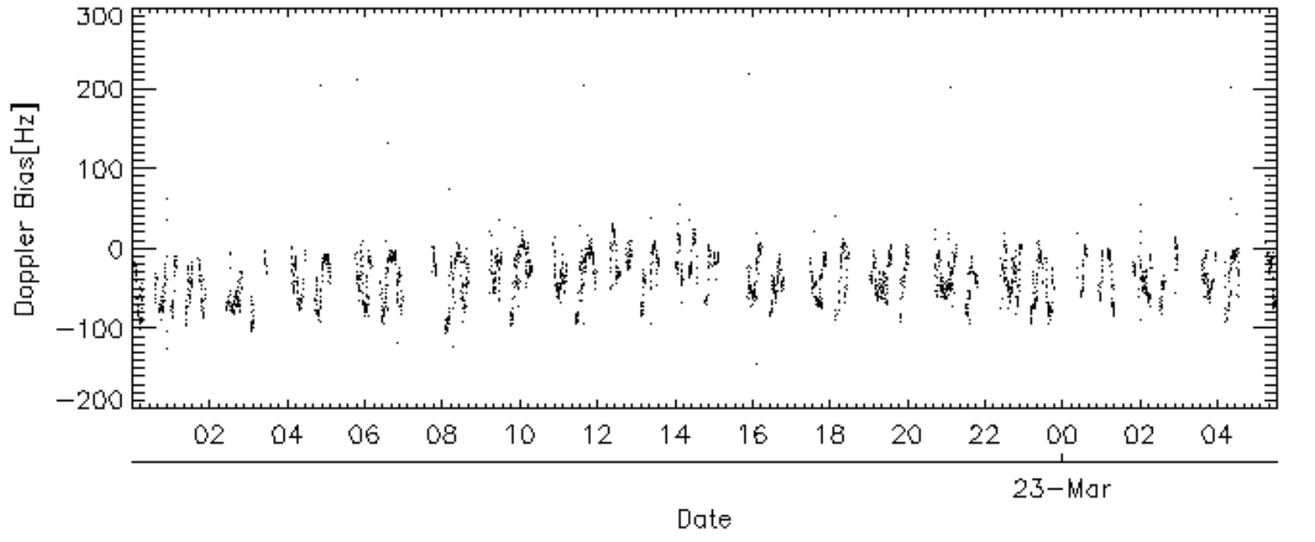

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

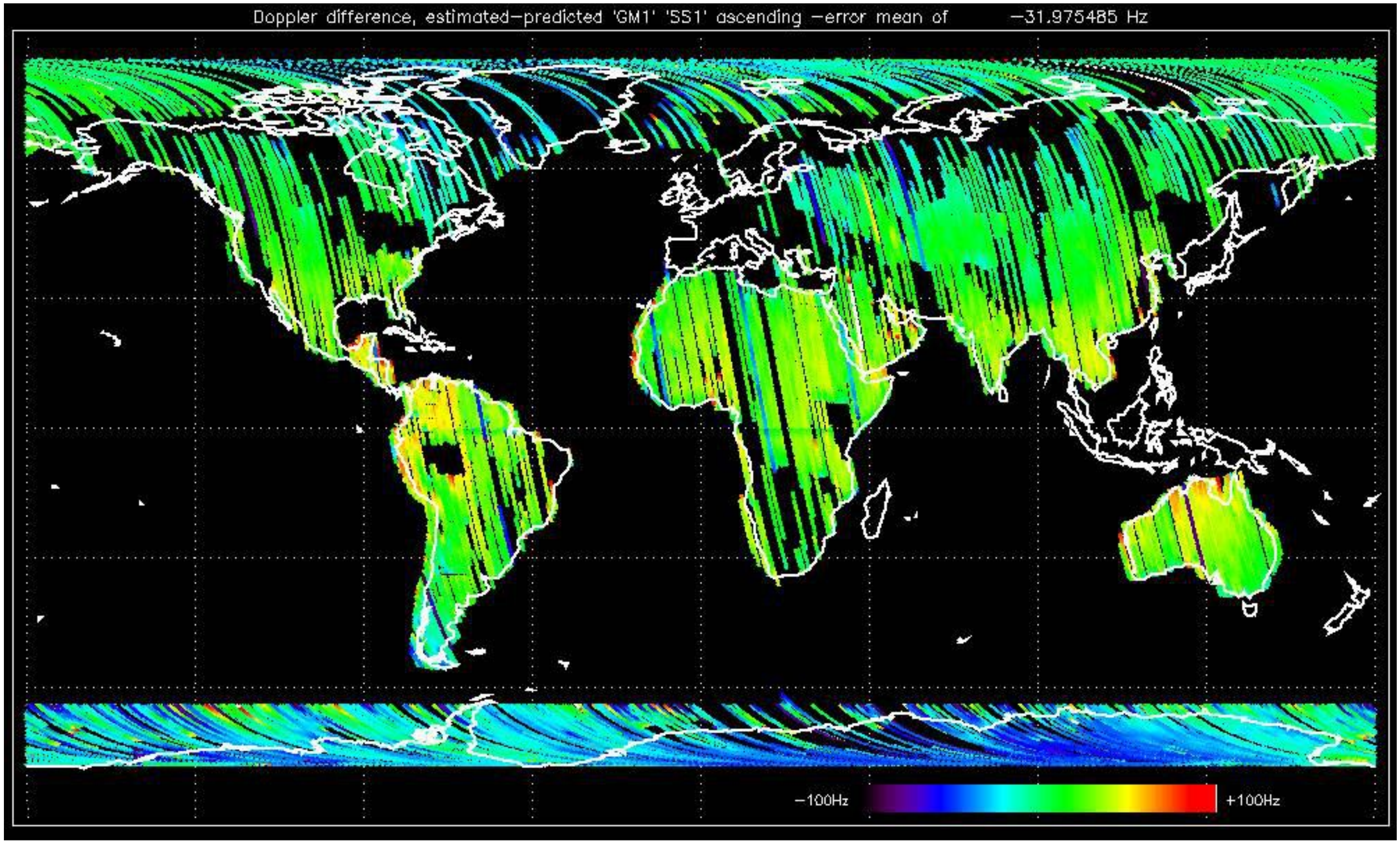

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

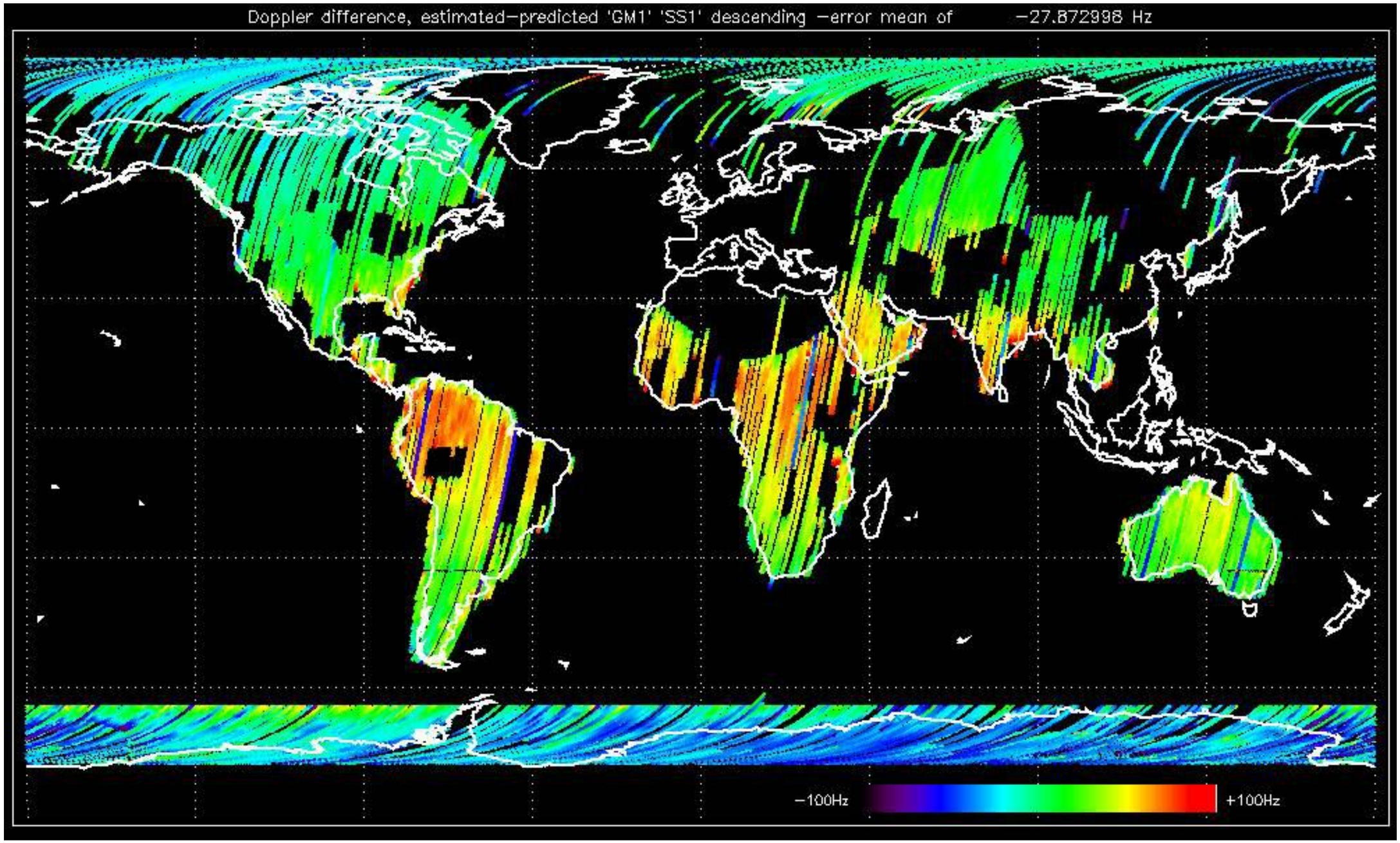

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
23−Mar
Date

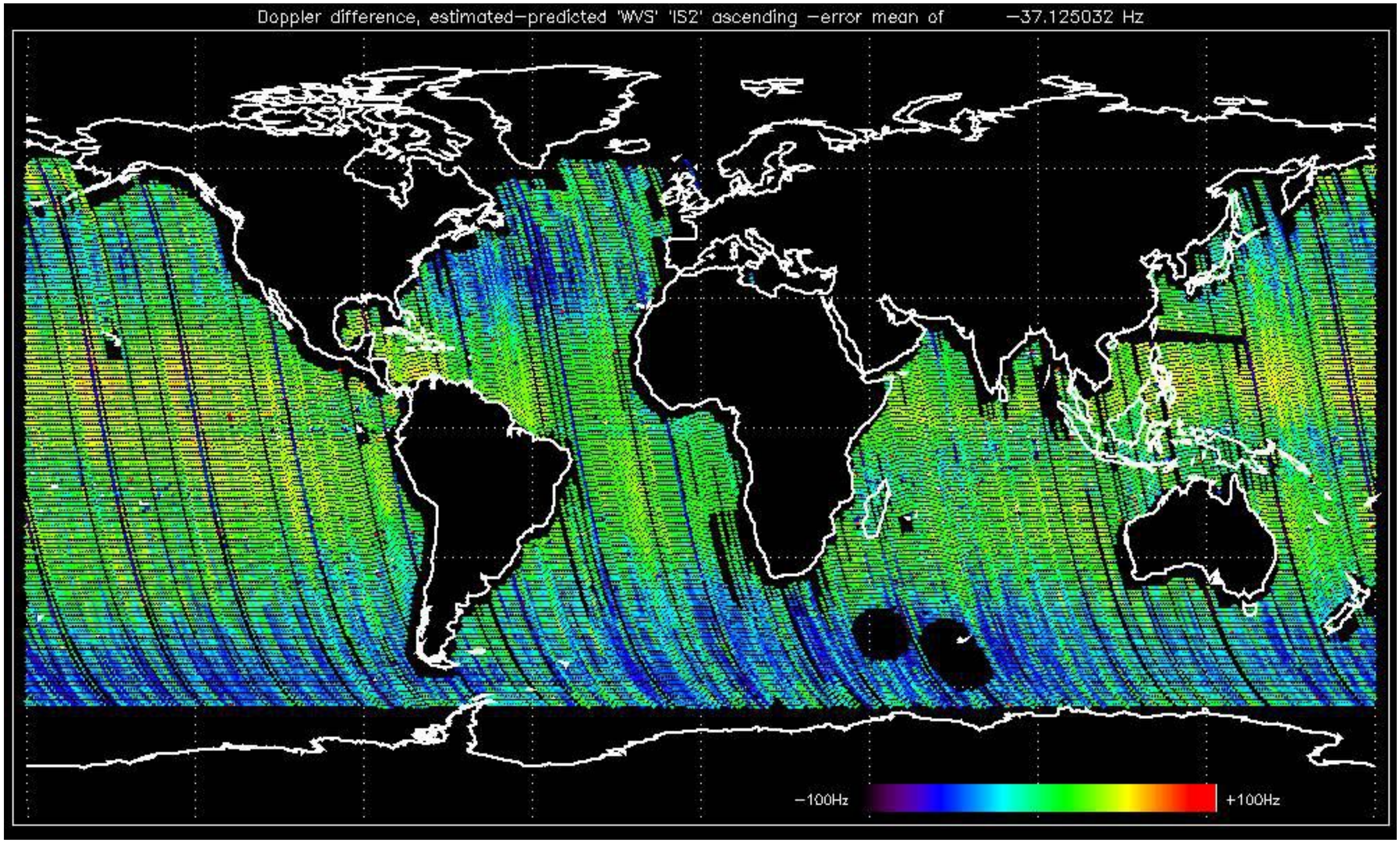

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

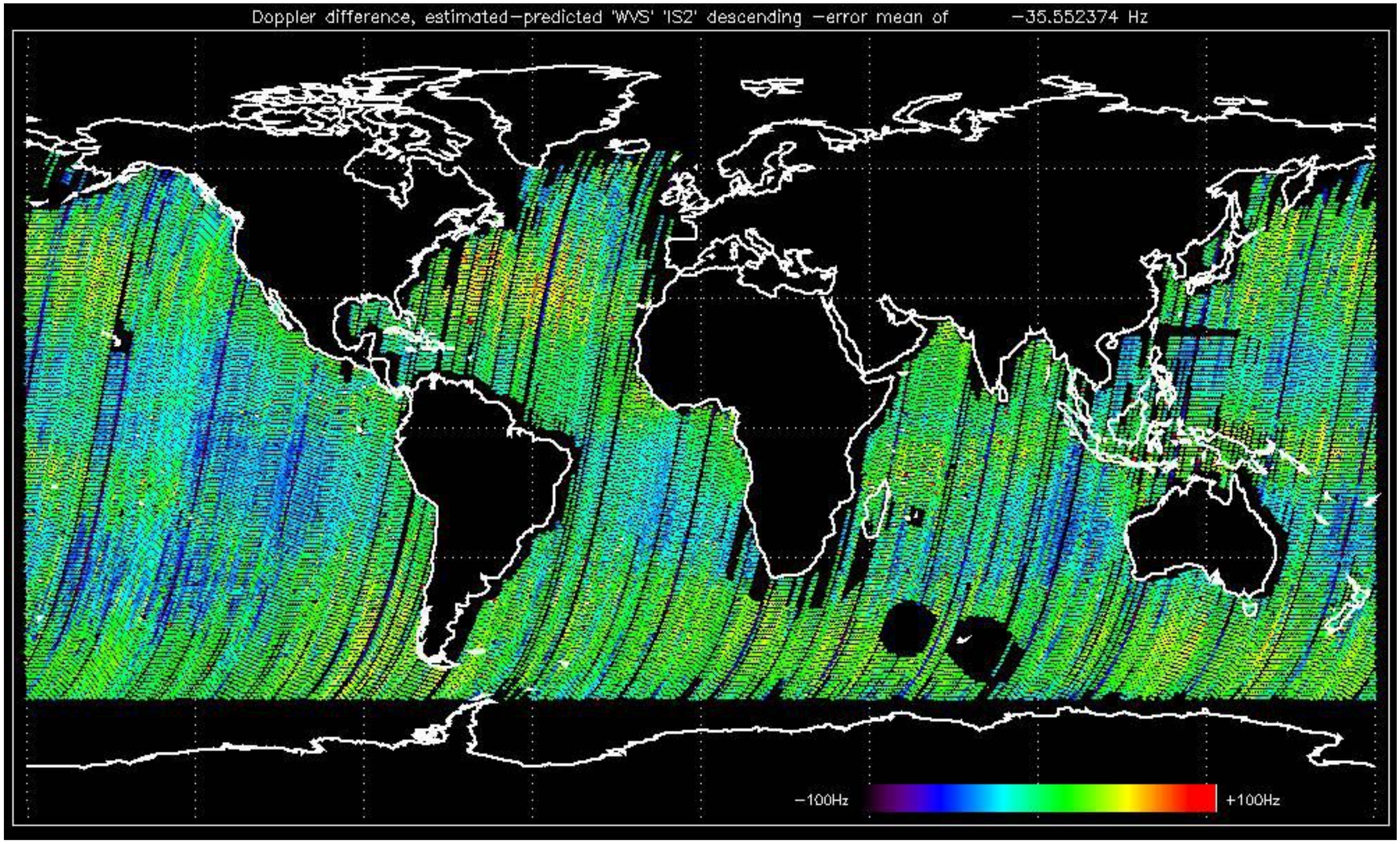

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −31.975485 Hz
−100Hz
+100Hz


Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -27.872998 Hz
-100Hz
+100Hz

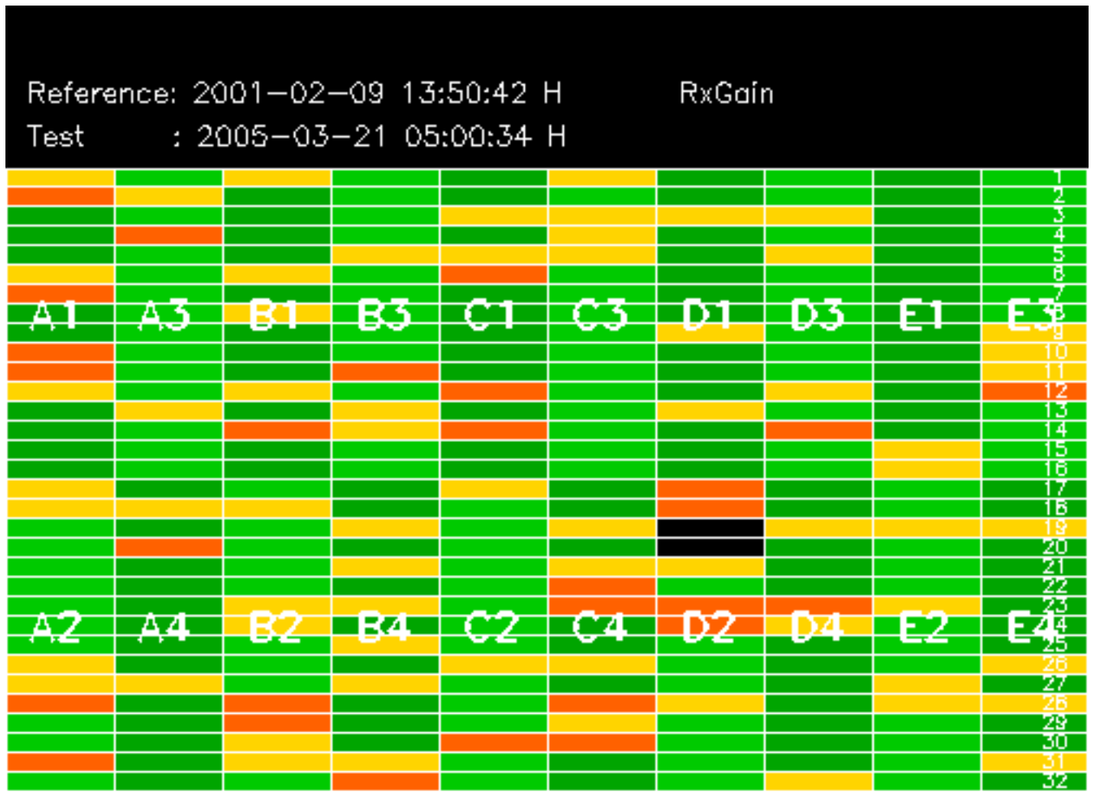

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −37.125032 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −35.552374 Hz
−100Hz
+100Hz

Antenna OOL temperature for tile E1 visible from MS product analysis

- ASA_MS__0PNPDE20050322_042857_000000152035_00405_15990_0109.N1

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-03-21 05:00:34 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
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16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-21 05:00:34 H
RxGain
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
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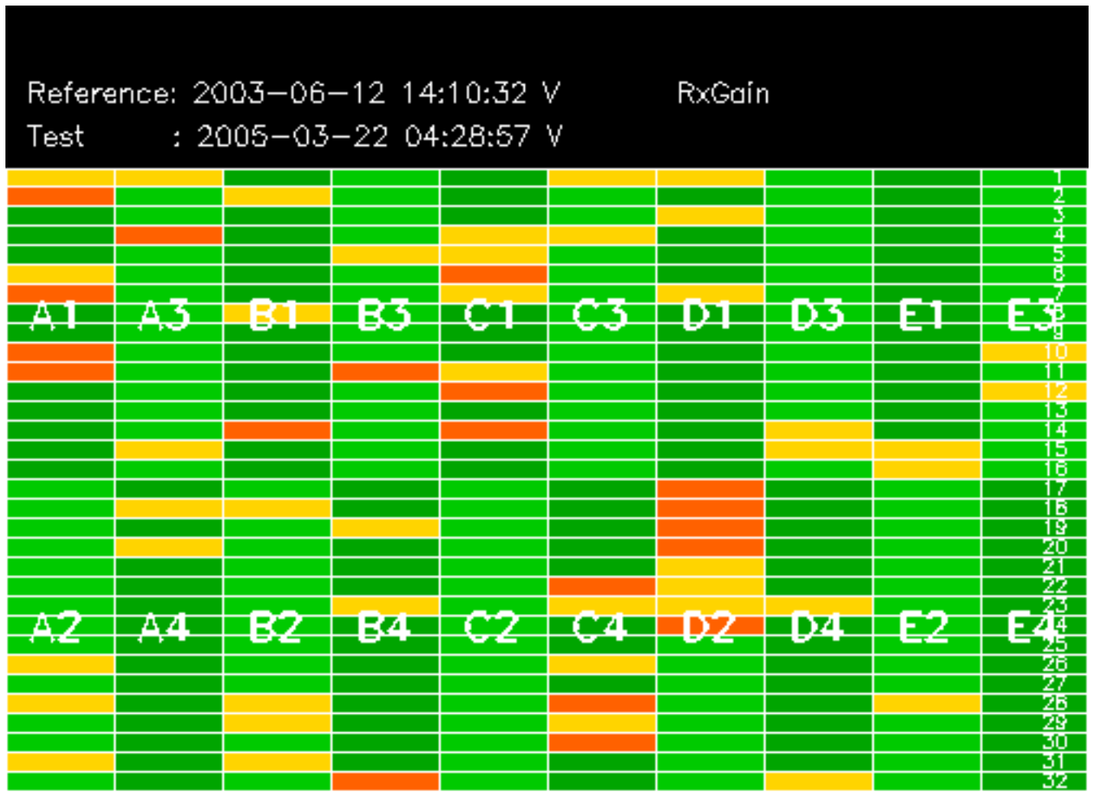
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-03-22 04:28:57 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-03-22 04:28:57 V
RxGain
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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9
10
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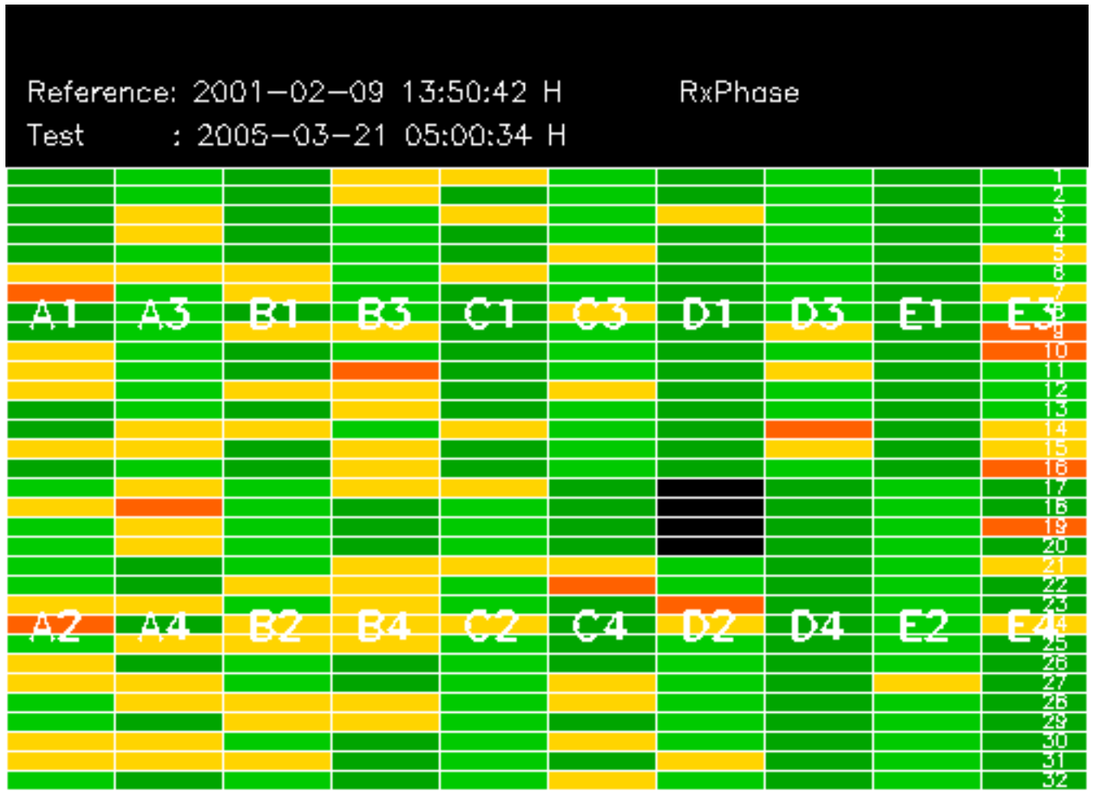
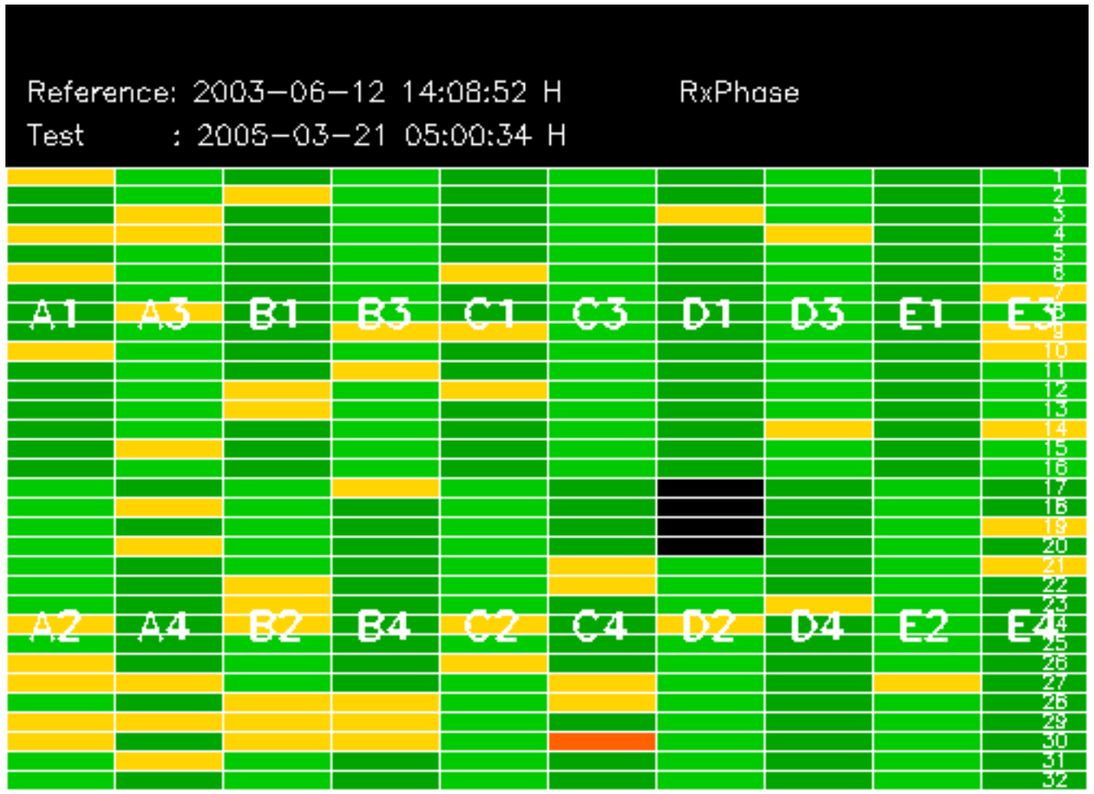
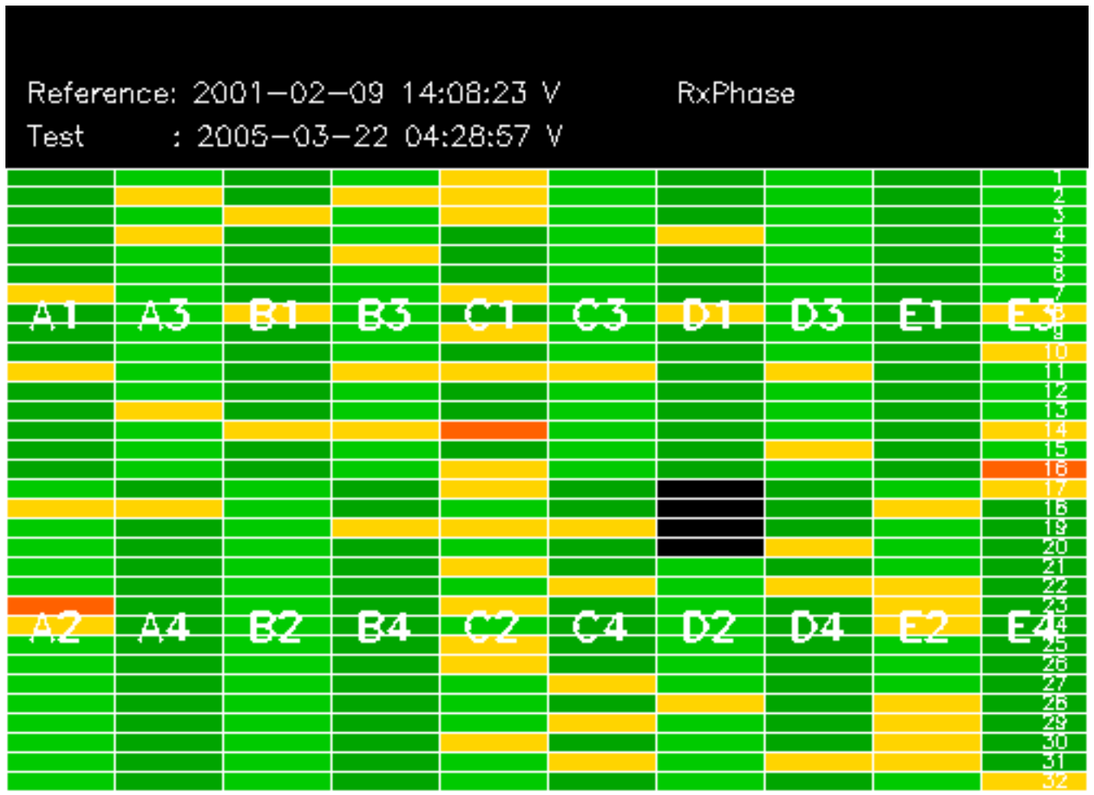
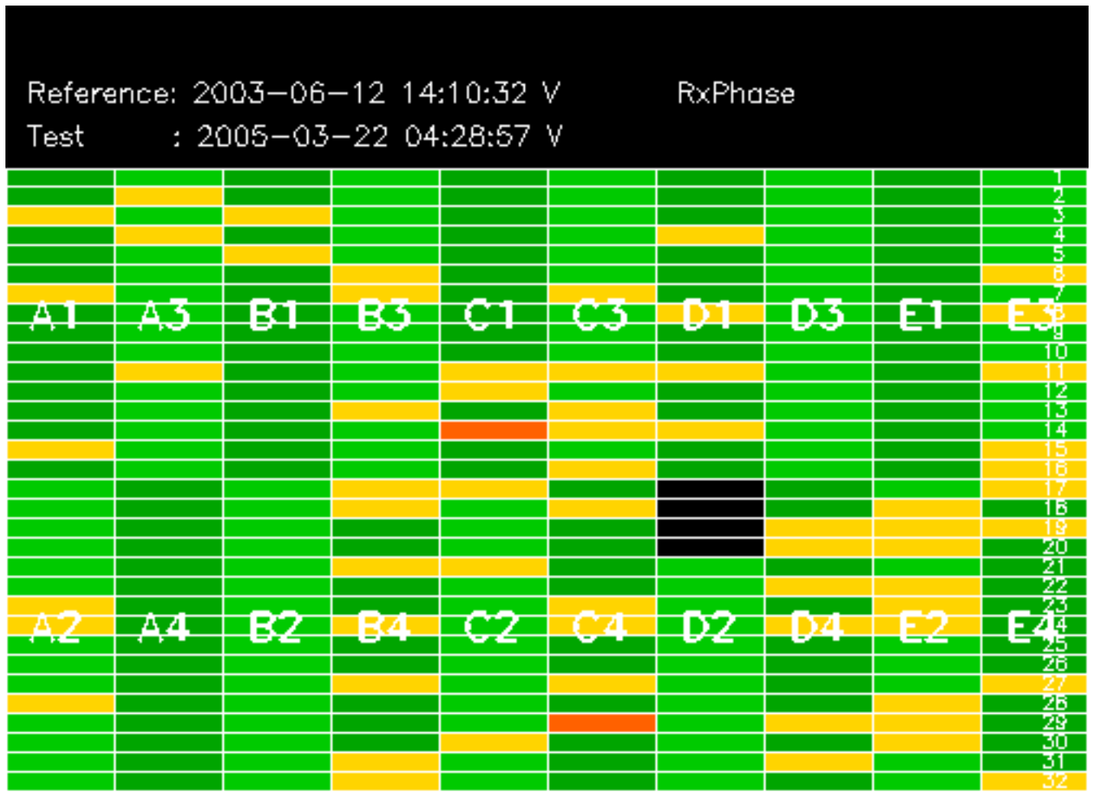
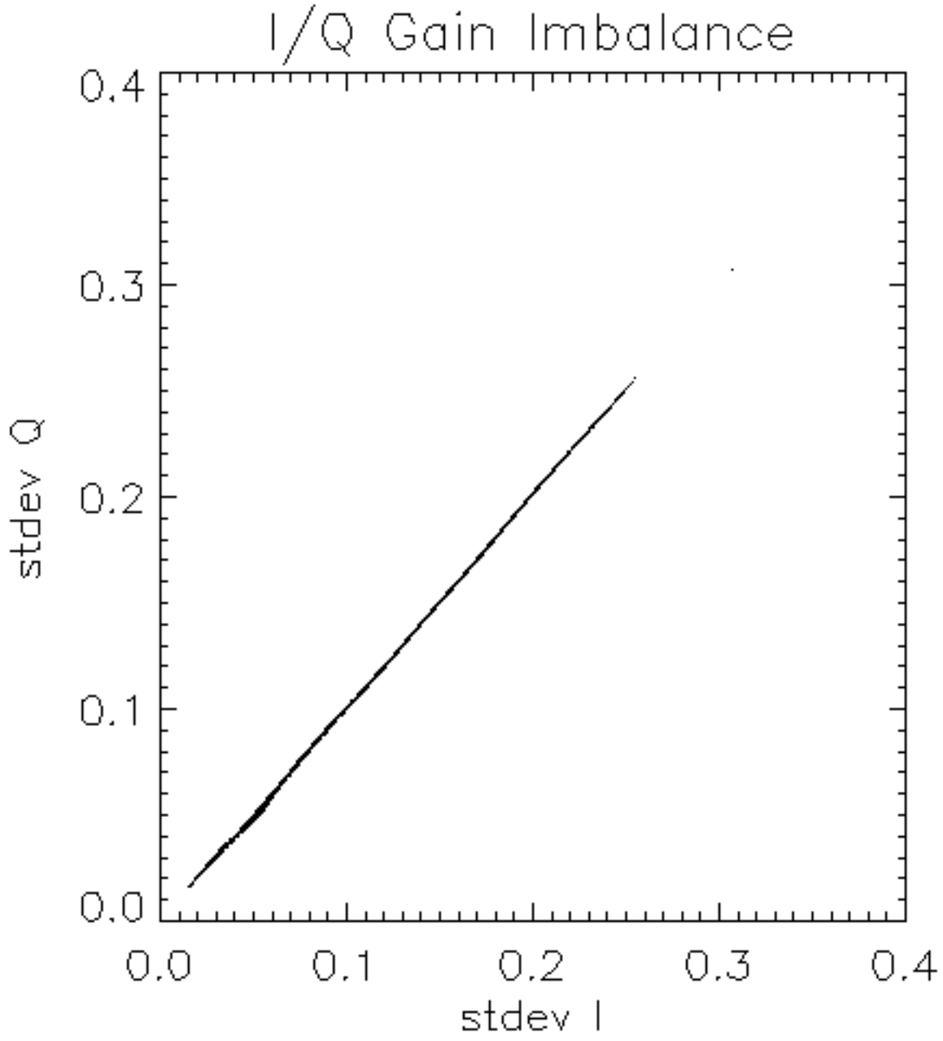
31
32

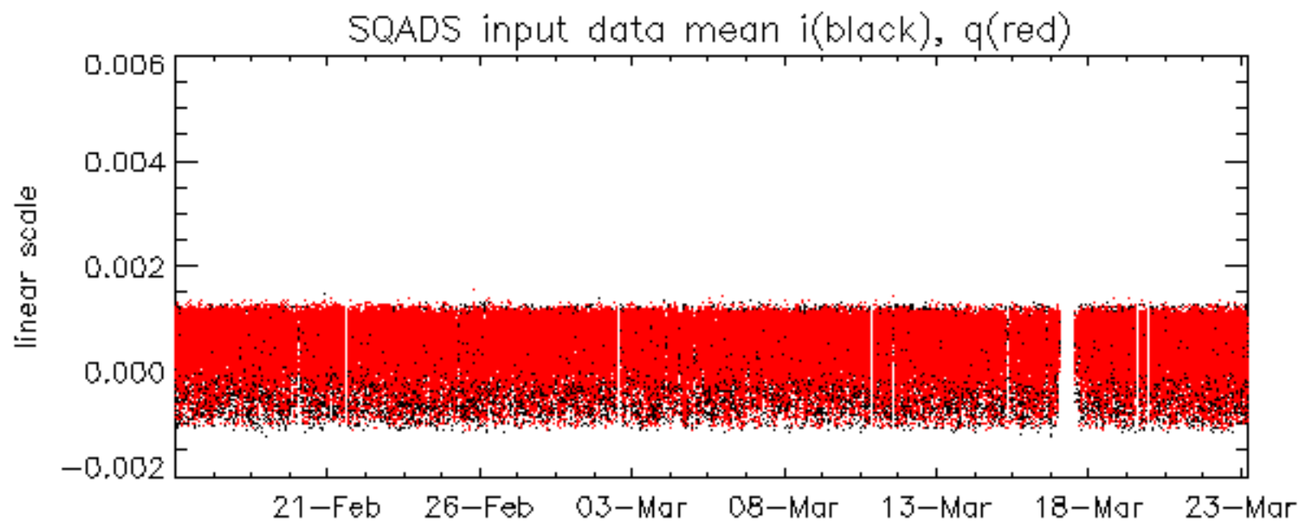

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-03-21 05:00:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

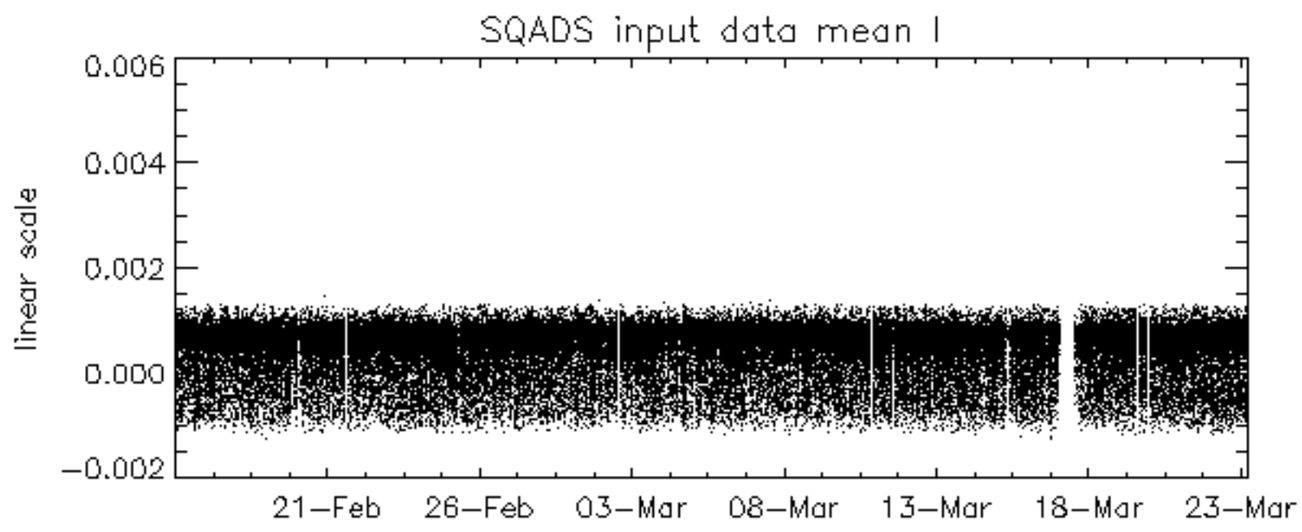

Reference: 2003-06-12 14:08:52 H
Test : 2005-03-21 05:00:34 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

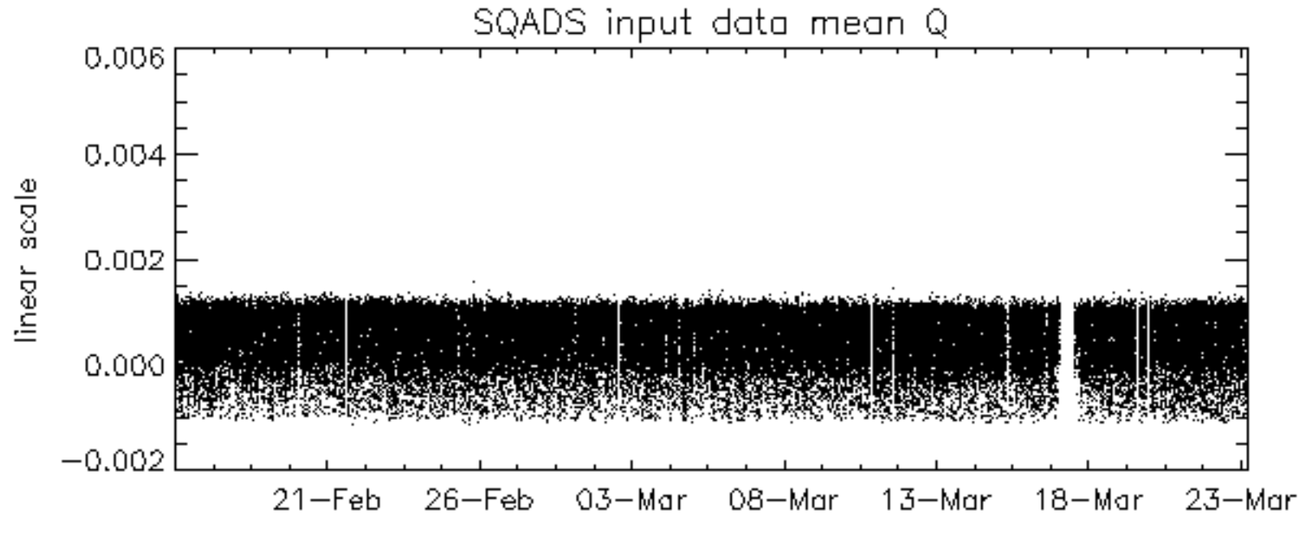

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2005-03-22 04:28:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

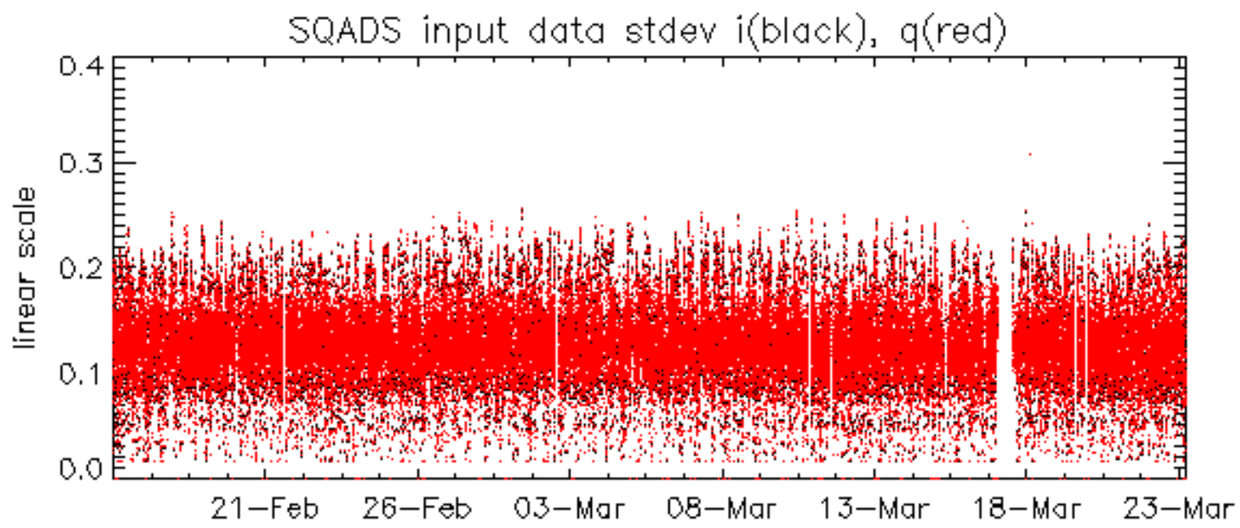

Reference: 2003-06-12 14:10:32 V
Test : 2005-03-22 04:28:57 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

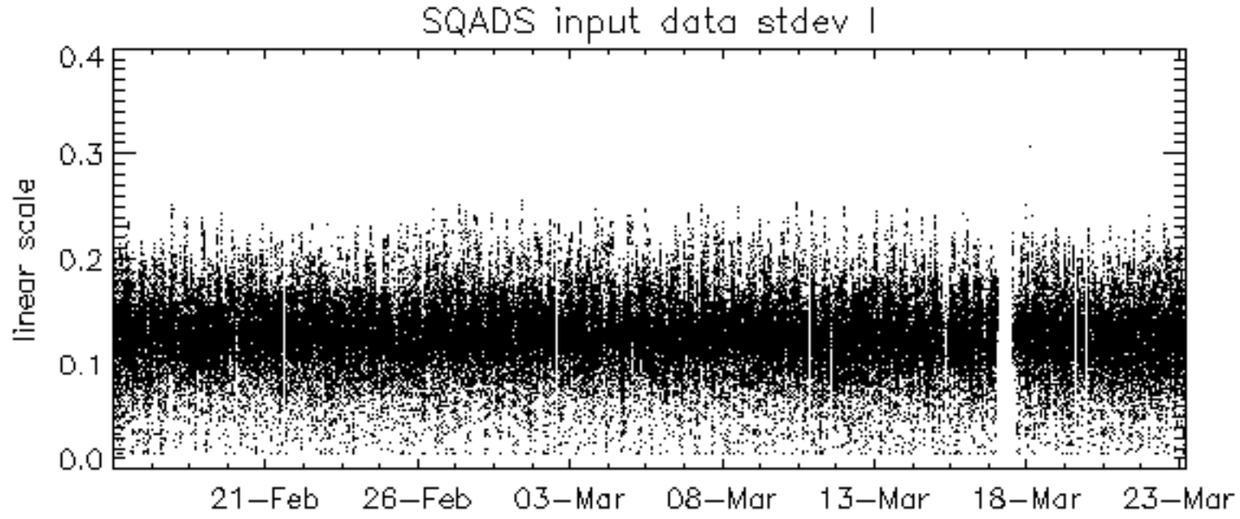

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

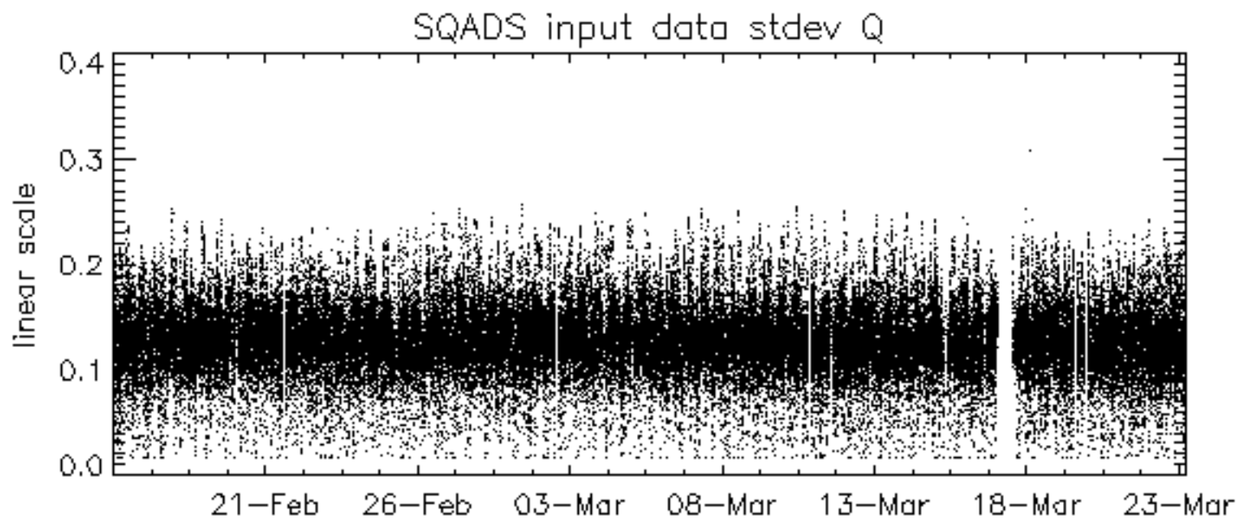

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar

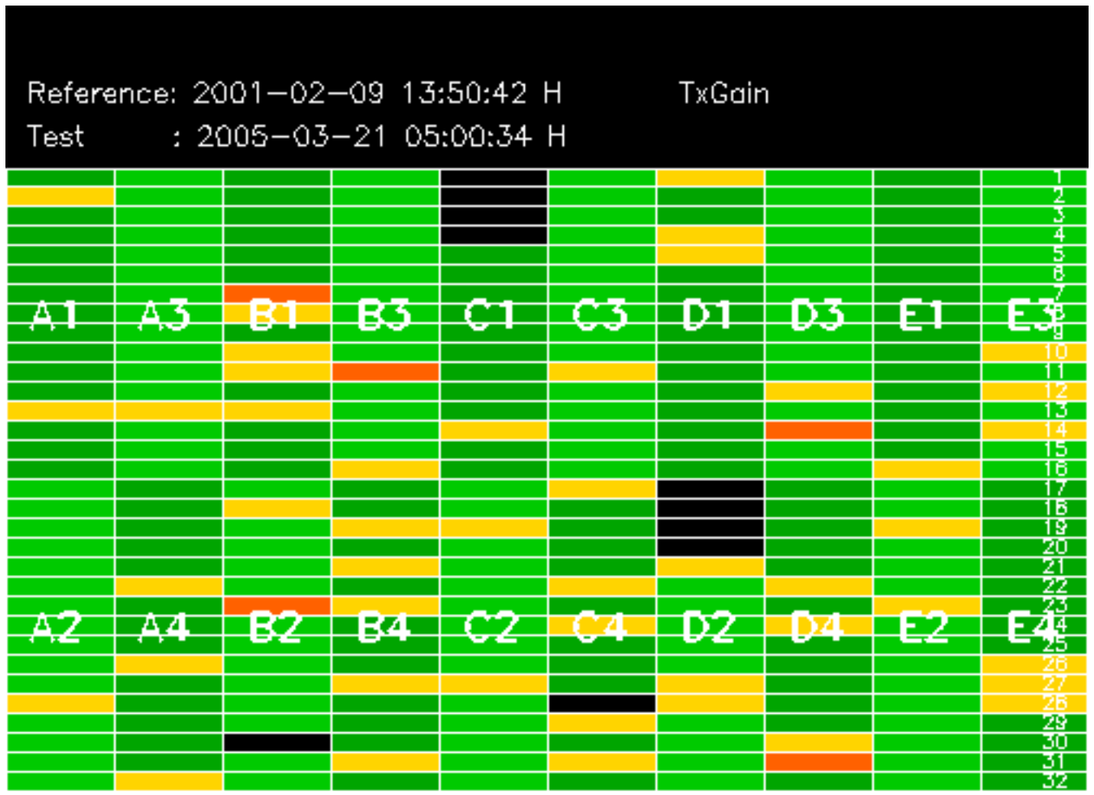

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar

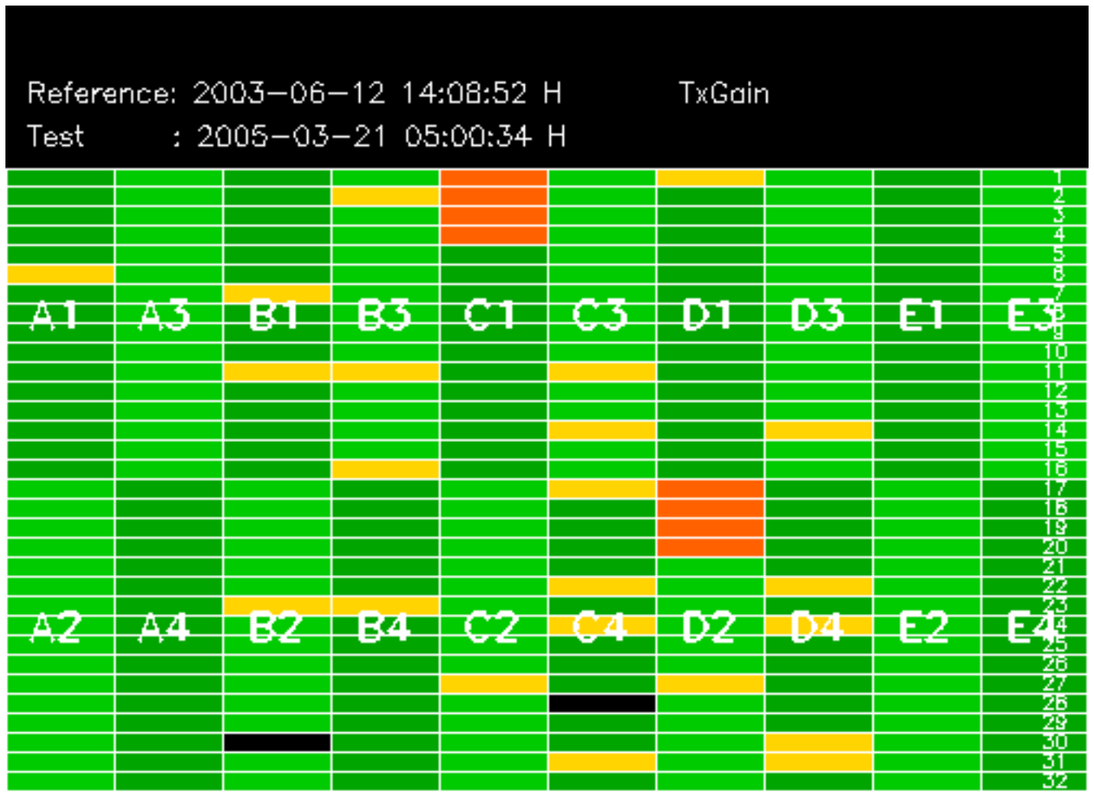

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Feb
26−Feb
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-03-21 05:00:34 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-21 05:00:34 H
TxGain
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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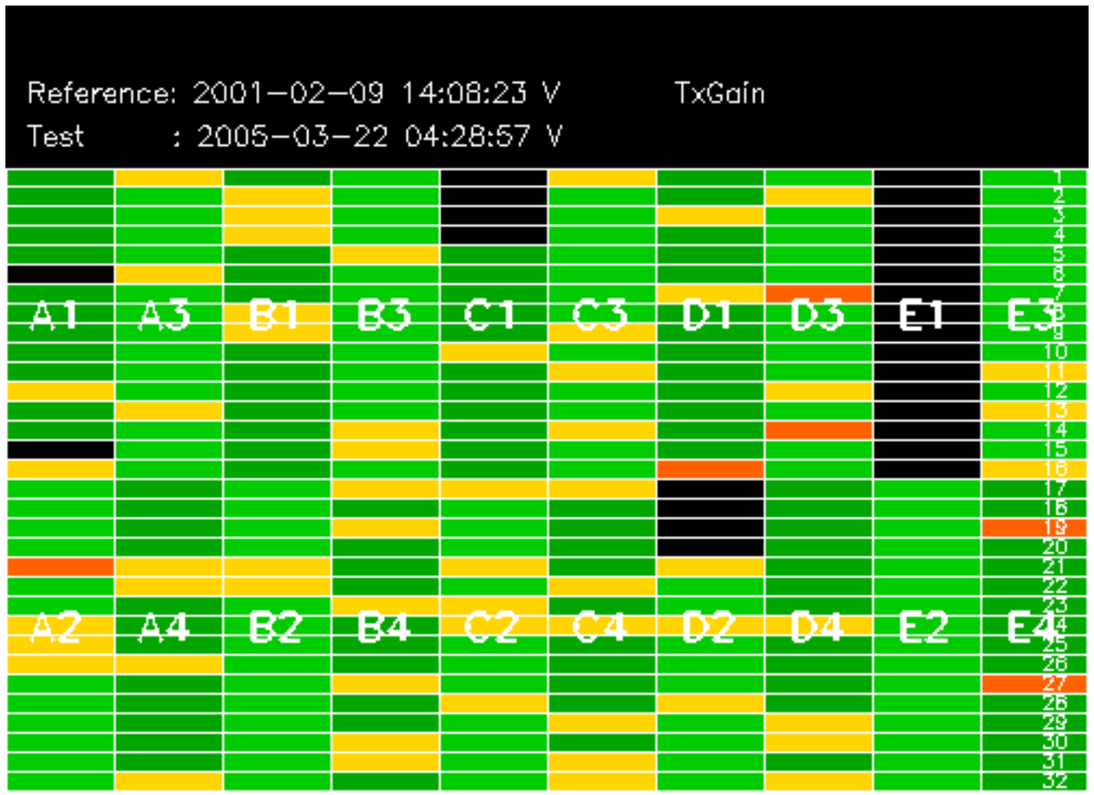
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-03-22 04:28:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
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14
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21
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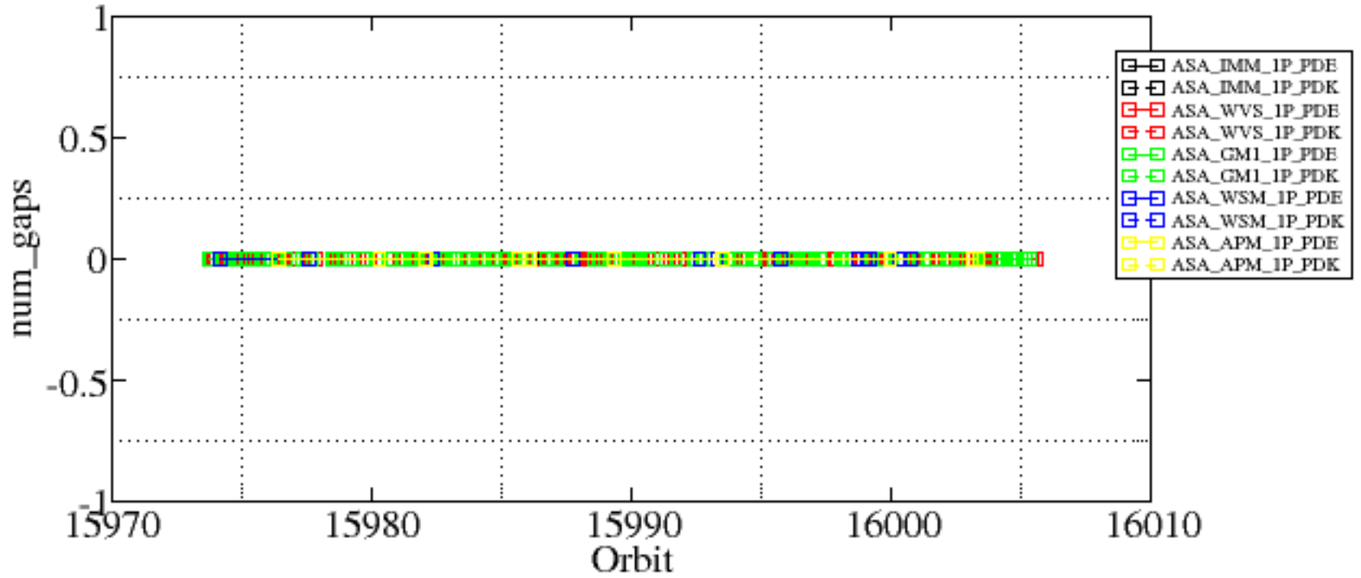
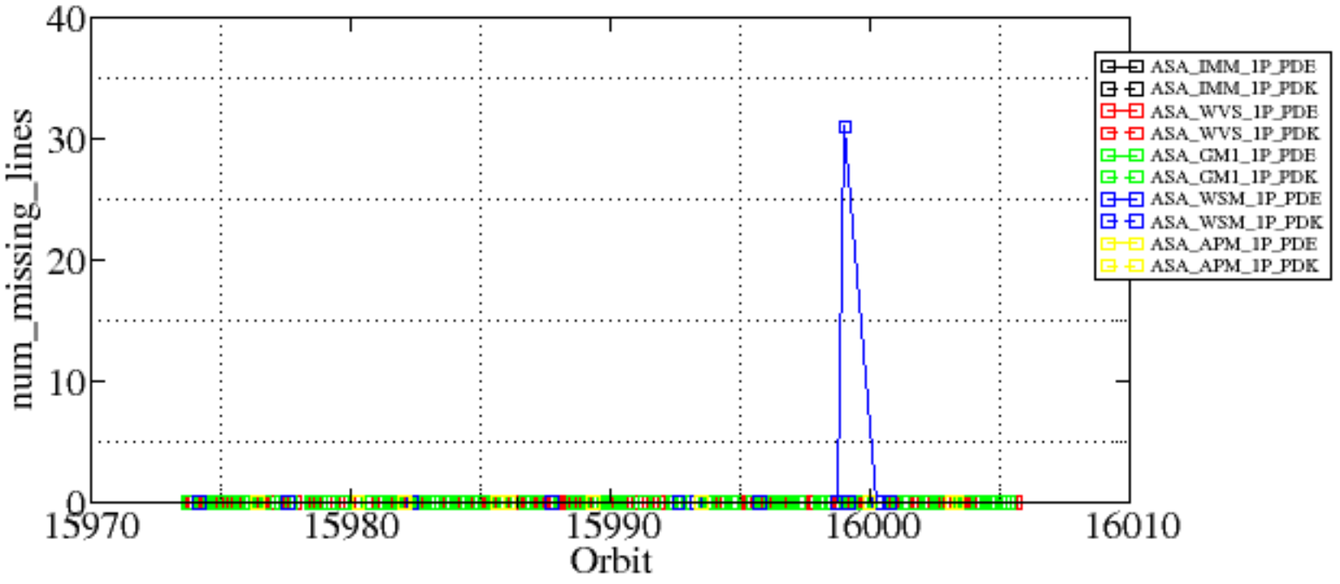
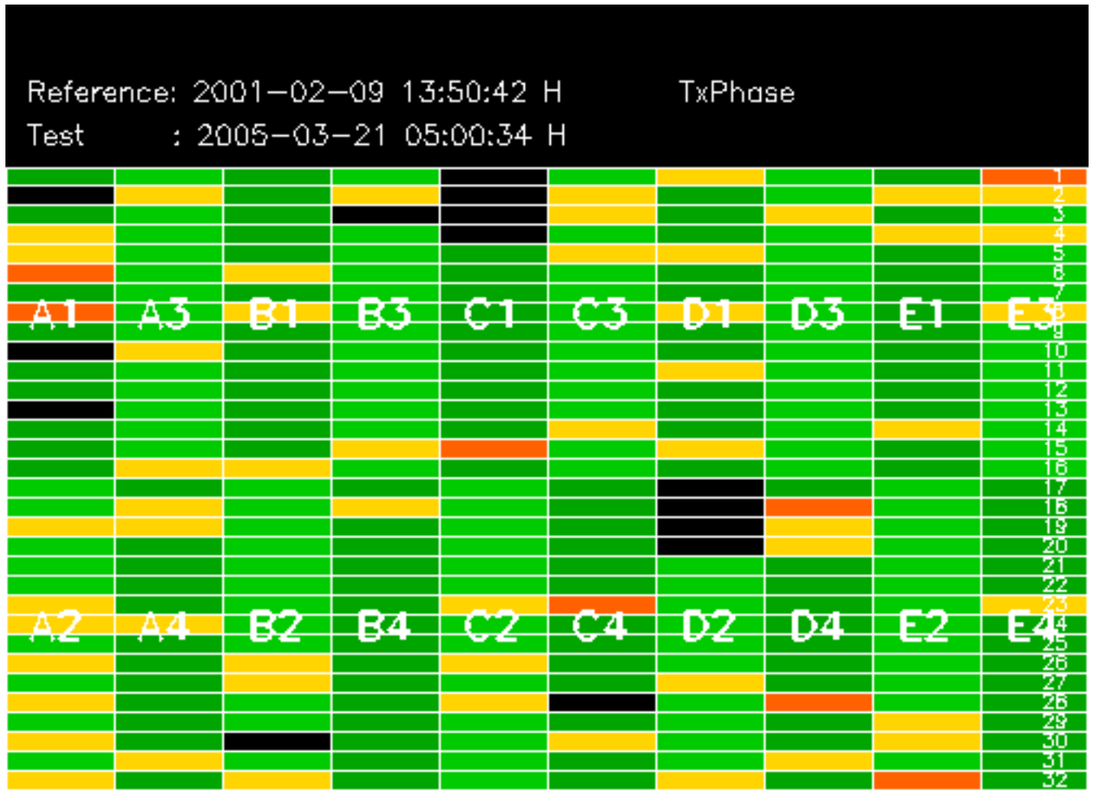
23
24
25
26
27
28
29
30
31
32

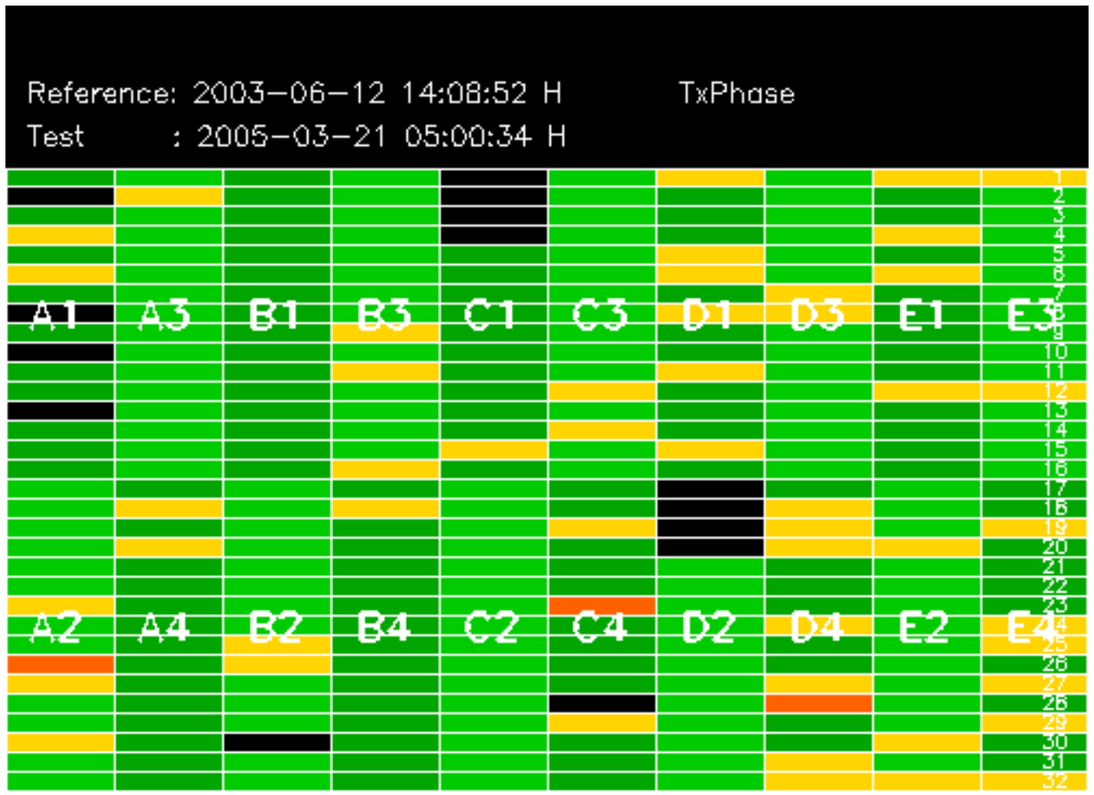

Reference: 2003-06-12 14:10:32 V
Test : 2005-03-22 04:28:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

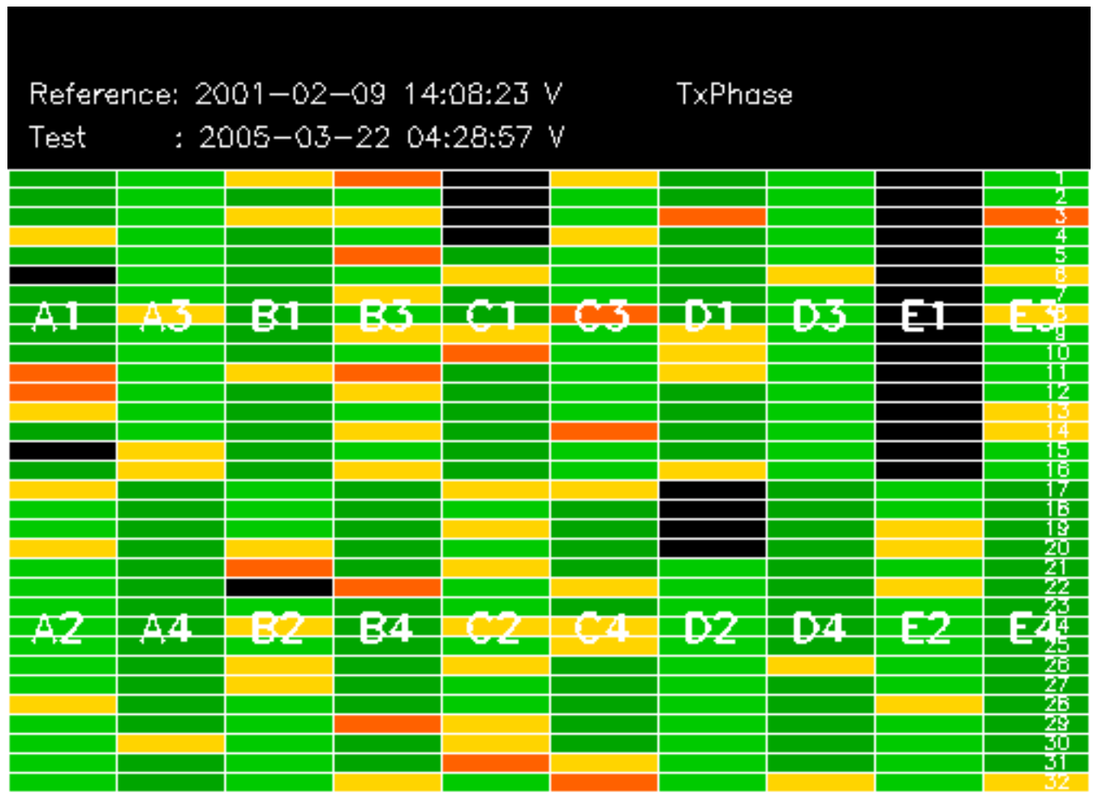
Summary of analysis for the last 3 days 2005032[123]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename   </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20050322_182848_000000862035_00414_15999_2591.N1 </td> <td>0   </td> <td>31   </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
15970
15980
15990
16000
16010
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
40
30
20
10
0
15970
15980
15990
16000
16010
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2005-03-21 05:00:34 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-21 05:00:34 H
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
TxPhase
Test : 2005-03-22 04:28:57 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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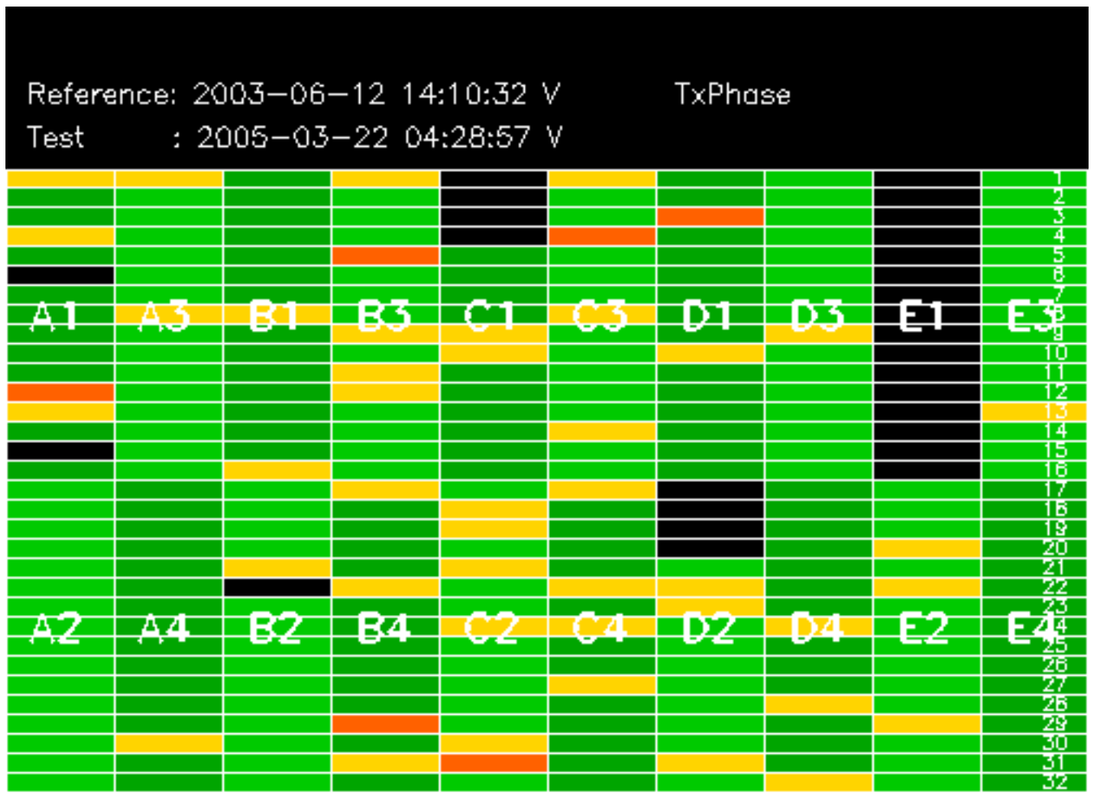
32


Reference: 2003-06-12 14:10:32 V
Test : 2005-03-22 04:28:57 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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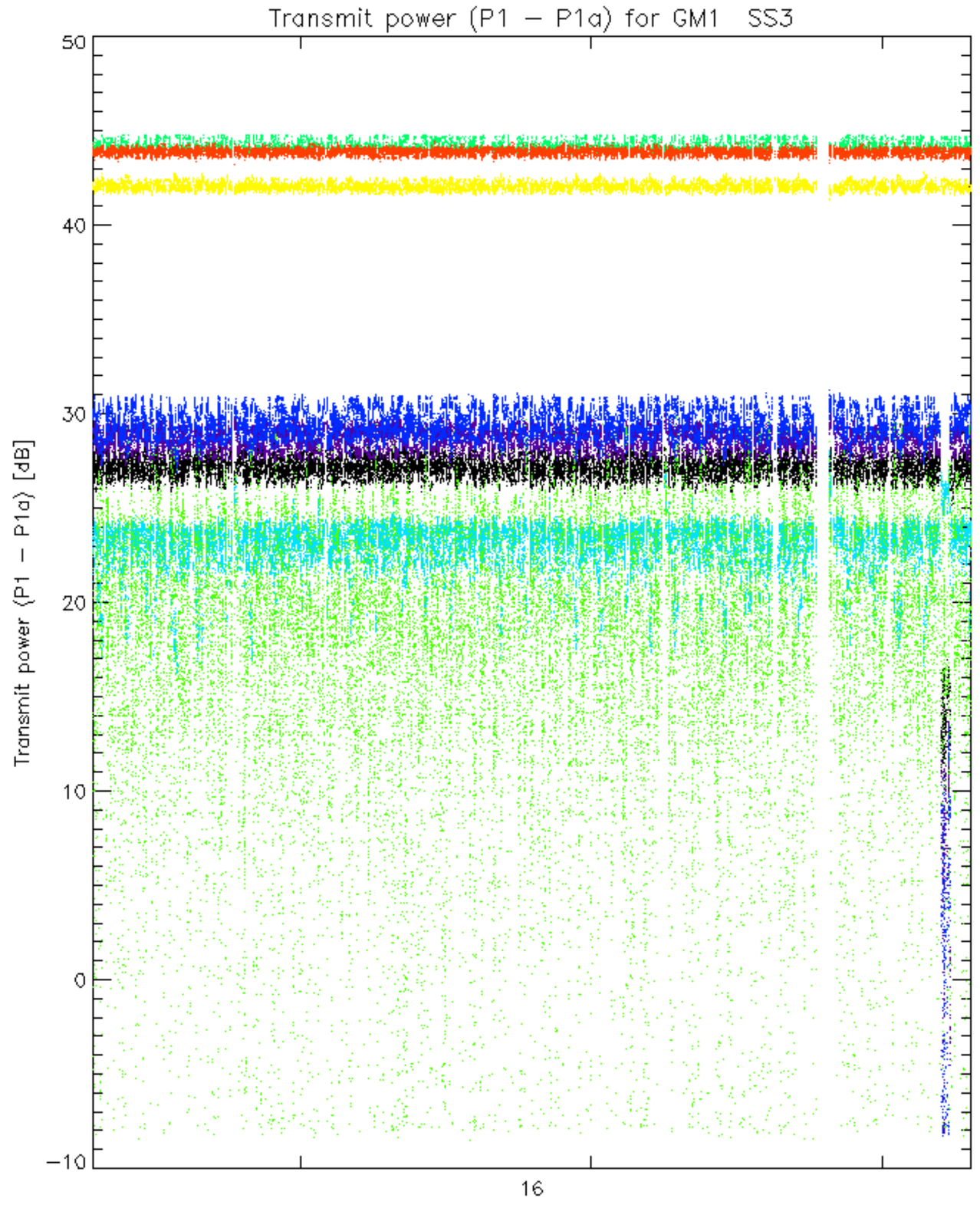
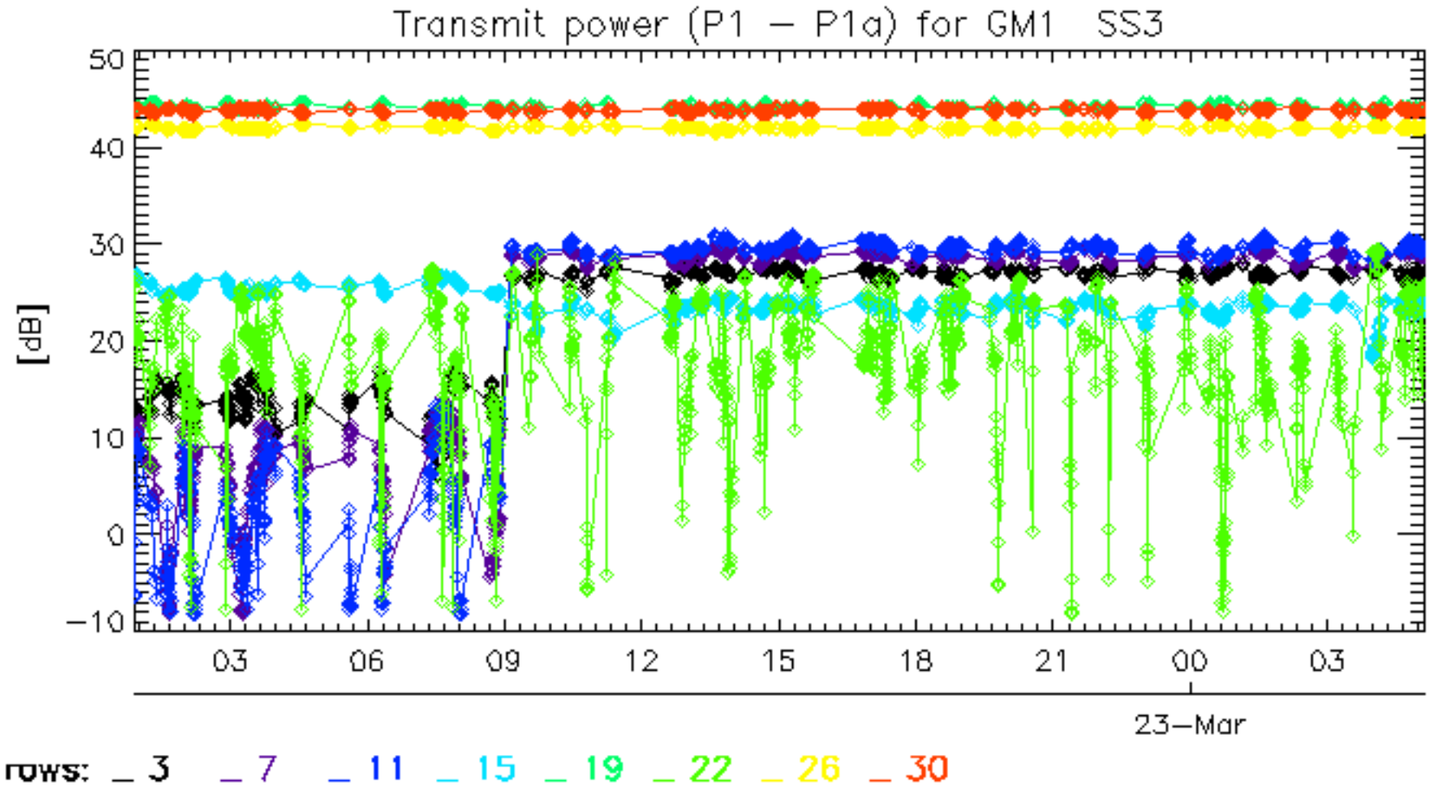
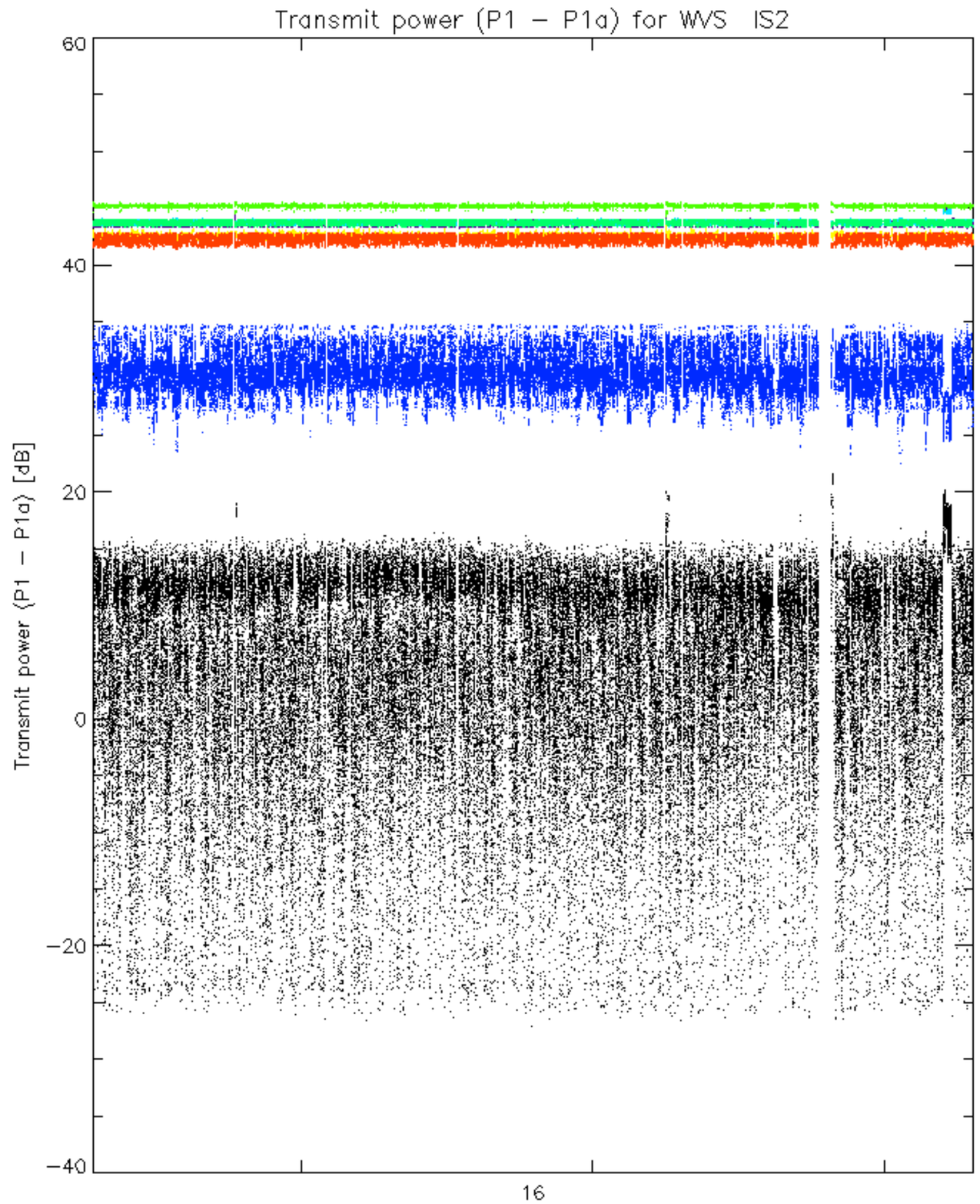
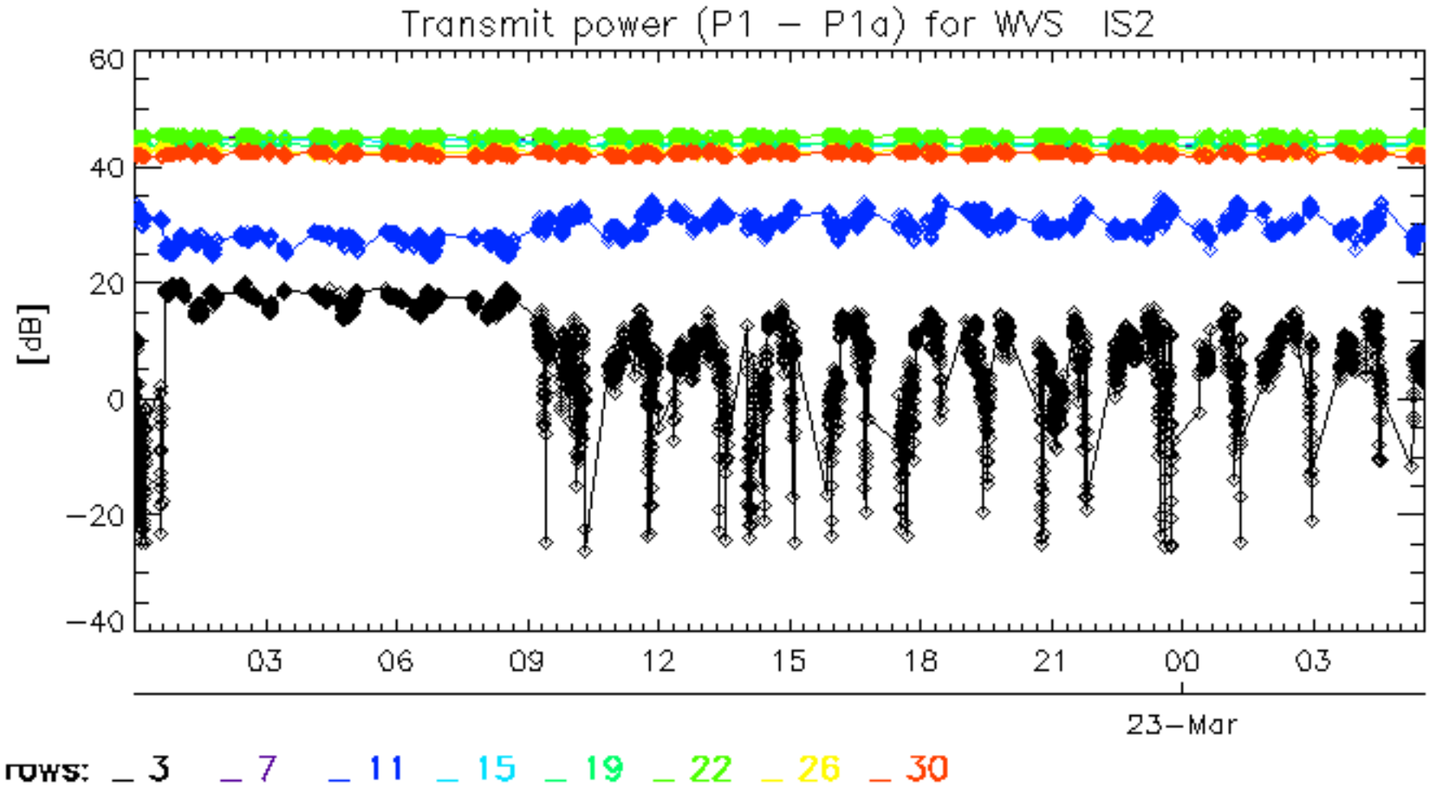

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
16
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
60
40
20
0
−20
−40
Transmit power (P1 – P1a) [dB]
16
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
60
40
20
0
−20
−40
[dB]
03
06
09
12
15
18
21
00
03
23−Mar
rows: 3 7 11 15 19 22 26 30

ASAR unavailable from 22-MAR-2005 09:03:10.00 to 22-MAR-2005 09:09:10.00.
Antenna reset due to OOL tempterature for Tile E1.