PRELIMINARY REPORT OF 070420

last update on Fri Apr 20 18:30:04 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 2007-04-19 00:00:00 to 2007-04-20 18:30:04

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	50	81	5	3	41
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	50	81	5	3	41
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	50	81	5	3	41
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	50	81	5	3	41

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	46	64	31	10	40
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	46	64	31	10	40
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	46	64	31	10	40
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	46	64	31	10	40

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	20070420 033417
H	20070419 040554

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference
☒	☒
☒	☒
☒	☒
☒	☒

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.060922	0.150439	-0.042860
7	P1a	-17.541622	0.117185	-0.053920
11	P1a	-17.398746	0.322649	-0.685175
15	P1a	-12.958936	0.103693	-0.405793
19	P1a	-15.297472	0.067749	-0.412990
22	P1a	-15.875809	0.416086	-0.626743
26	P1a	-15.078239	0.192905	0.514334
30	P1a	-17.623722	0.290774	-0.739459

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.762367	0.010823	-0.037020
7	P1	-3.146276	0.008860	-0.013122
11	P1	-4.207853	0.012349	-0.022798
15	P1	-6.391302	0.018638	-0.133517
19	P1	-3.789985	0.009880	0.045867
22	P1	-4.745880	0.009174	-0.056571
26	P1	-3.928852	0.018764	0.105943
30	P1	-5.970273	0.009301	0.030637

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.662584	0.090251	-0.069808
7	P2	-21.575716	0.086378	0.106817
11	P2	-15.382762	0.113026	0.196038
15	P2	-7.125061	0.087319	-0.032196
19	P2	-9.119557	0.078247	0.039134
22	P2	-18.089918	0.075502	-0.003999
26	P2	-16.610102	0.078892	-0.044680
30	P2	-19.286276	0.081598	0.007856

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245337	0.005251	-0.021136
7	P3	-8.245337	0.005251	-0.021136
11	P3	-8.245337	0.005251	-0.021136
15	P3	-8.245337	0.005251	-0.021136
19	P3	-8.245337	0.005251	-0.021136
22	P3	-8.245337	0.005251	-0.021136
26	P3	-8.245337	0.005251	-0.021136
30	P3	-8.245337	0.005251	-0.021136

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.193986	0.176971	-0.192216
7	P1a	-10.074745	0.281185	-0.170640
11	P1a	-10.696022	0.129243	0.026706
15	P1a	-10.859177	0.188557	-0.054749
19	P1a	-15.791024	0.098340	-0.048206
22	P1a	-21.338903	1.454525	-0.859179
26	P1a	-15.477814	0.385361	-0.455553
30	P1a	-18.334196	0.475464	0.454861

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453256	0.069512	-0.021592
7	P1	-2.422598	0.165931	-0.061013
11	P1	-2.898982	0.032118	0.041045
15	P1	-3.826267	0.042561	0.038021
19	P1	-3.585628	0.015017	-0.026551
22	P1	-4.982365	0.023556	0.096068

26	P1	-6.031417	0.032756	-0.039840
30	P1	-5.337274	0.036509	-0.046265

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.169981	0.068150	-0.110843
7	P2	-22.032063	0.265680	-0.002309
11	P2	-10.633901	0.047940	-0.061477
15	P2	-4.915676	0.039416	-0.163228
19	P2	-6.871333	0.037574	-0.120813
22	P2	-8.119512	0.120966	-0.121011
26	P2	-24.317701	0.196296	-0.021314
30	P2	-21.717916	0.128260	0.063788

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.092480	0.004571	-0.036798
7	P3	-8.092535	0.004589	-0.036450
11	P3	-8.092299	0.004585	-0.036964
15	P3	-8.092228	0.004582	-0.036682
19	P3	-8.092399	0.004609	-0.036226
22	P3	-8.092340	0.004563	-0.035582
26	P3	-8.092402	0.004578	-0.036077
30	P3	-8.092312	0.004576	-0.036529

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	0.000540490
	stdev	2.04681e-07
MEAN Q	mean	0.000490839
	stdev	2.44808e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135374
	stdev	0.00123615
STDEV Q	mean	0.135767
	stdev	0.00125428

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007041[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_WVS_1PNPDK20070419_152704_000000002057_00240_26847_4810.N1	1	0
ASA_GM1_1PNPDK20070418_201215_000007792057_00228_26835_3683.N1	0	43
ASA_GM1_1PNPDK20070419_084758_000003142057_00236_26843_3962.N1	0	15
ASA_GM1_1PNPDK20070419_162807_000000842057_00241_26848_4931.N1	0	83
ASA_WSM_1PNPDE20070410_014454_000000862057_00103_26710_5921.N1	0	70

ASA_WSM_1PNPDE20070410_161135_000002202057_00112_26719_6447.N1	0	57
ASA_WSM_1PNPDE20070410_201138_000000672057_00114_26721_6605.N1	0	29
ASA_WSM_1PNPDE20070418_005604_000000852057_00217_26824_6083.N1	0	31
ASA_WSM_1PNPDE20070418_165614_000001522057_00227_26834_6862.N1	0	57
ASA_WSM_1PNPDE20070418_184029_000002312057_00228_26835_6864.N1	0	11
ASA_WSM_1PNPDE20070419_180903_000001762057_00242_26849_8216.N1	0	31
ASA_WSM_1PNPDK20070419_094719_000000852057_00237_26844_4060.N1	0	28

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

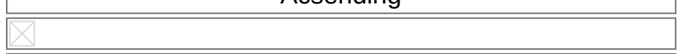
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

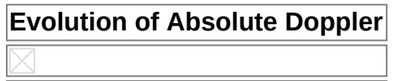
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

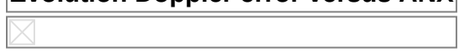
Acsending

Descending

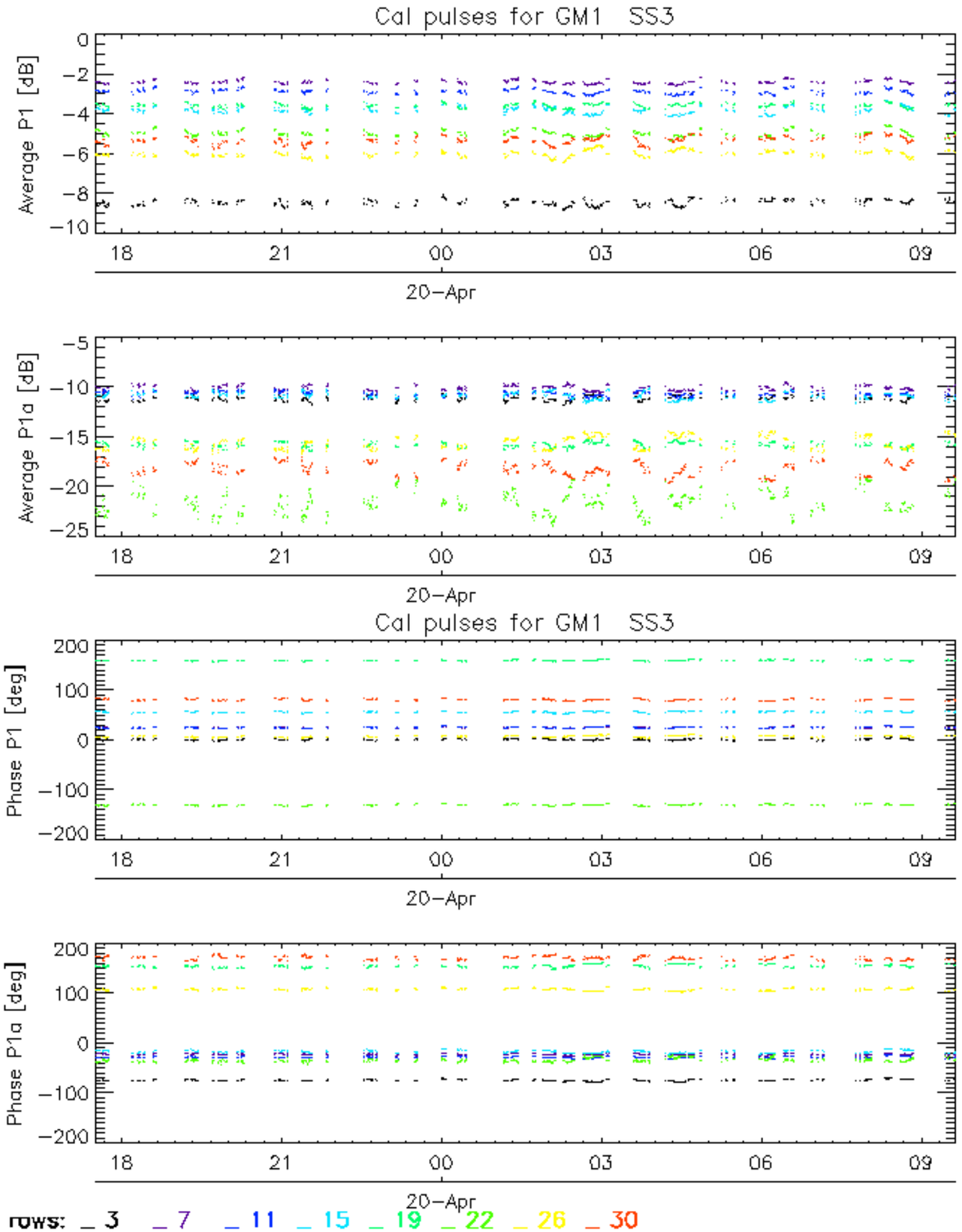
7.5 - Absolute Doppler for GM1

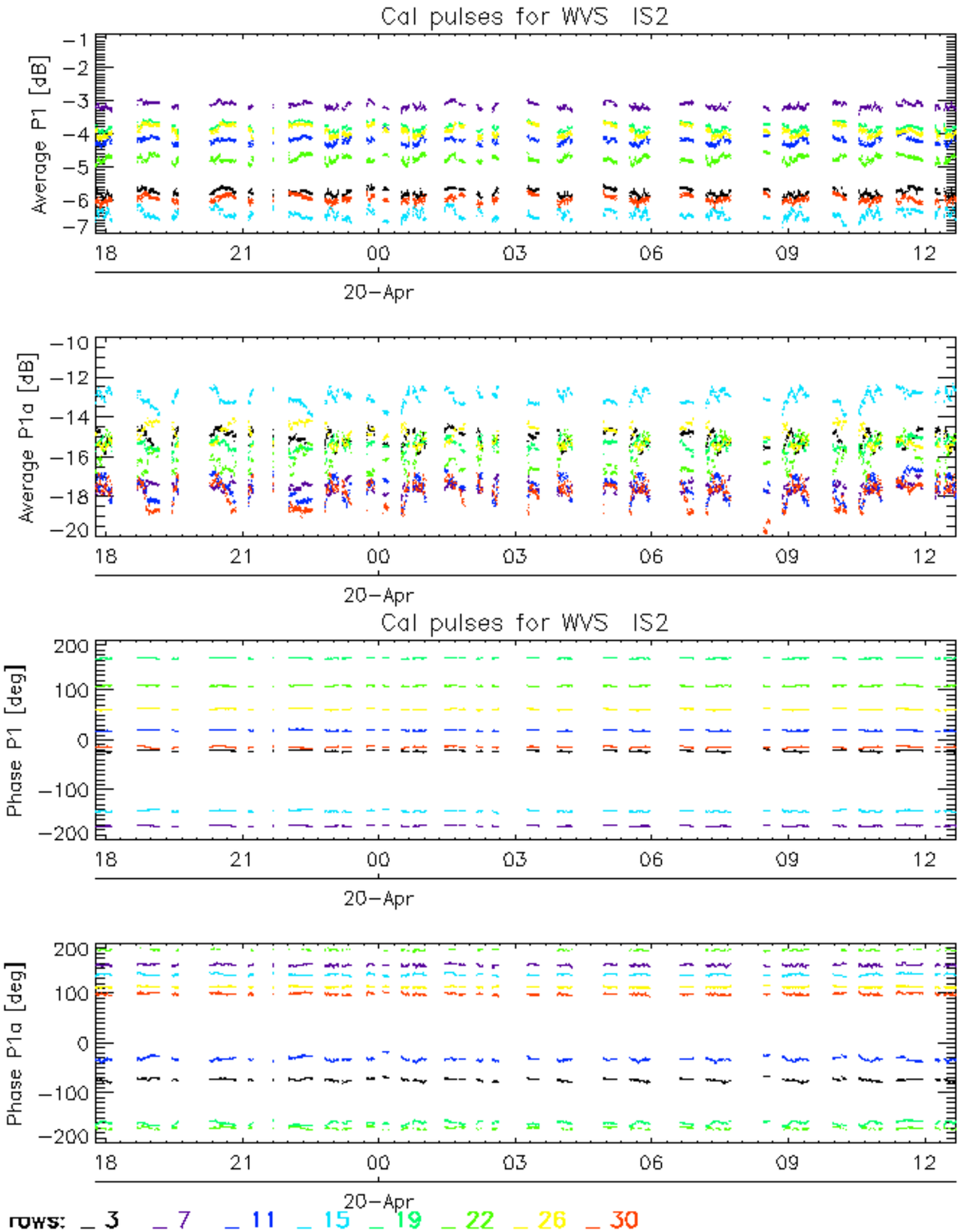
Evolution of Absolute Doppler

Acsending

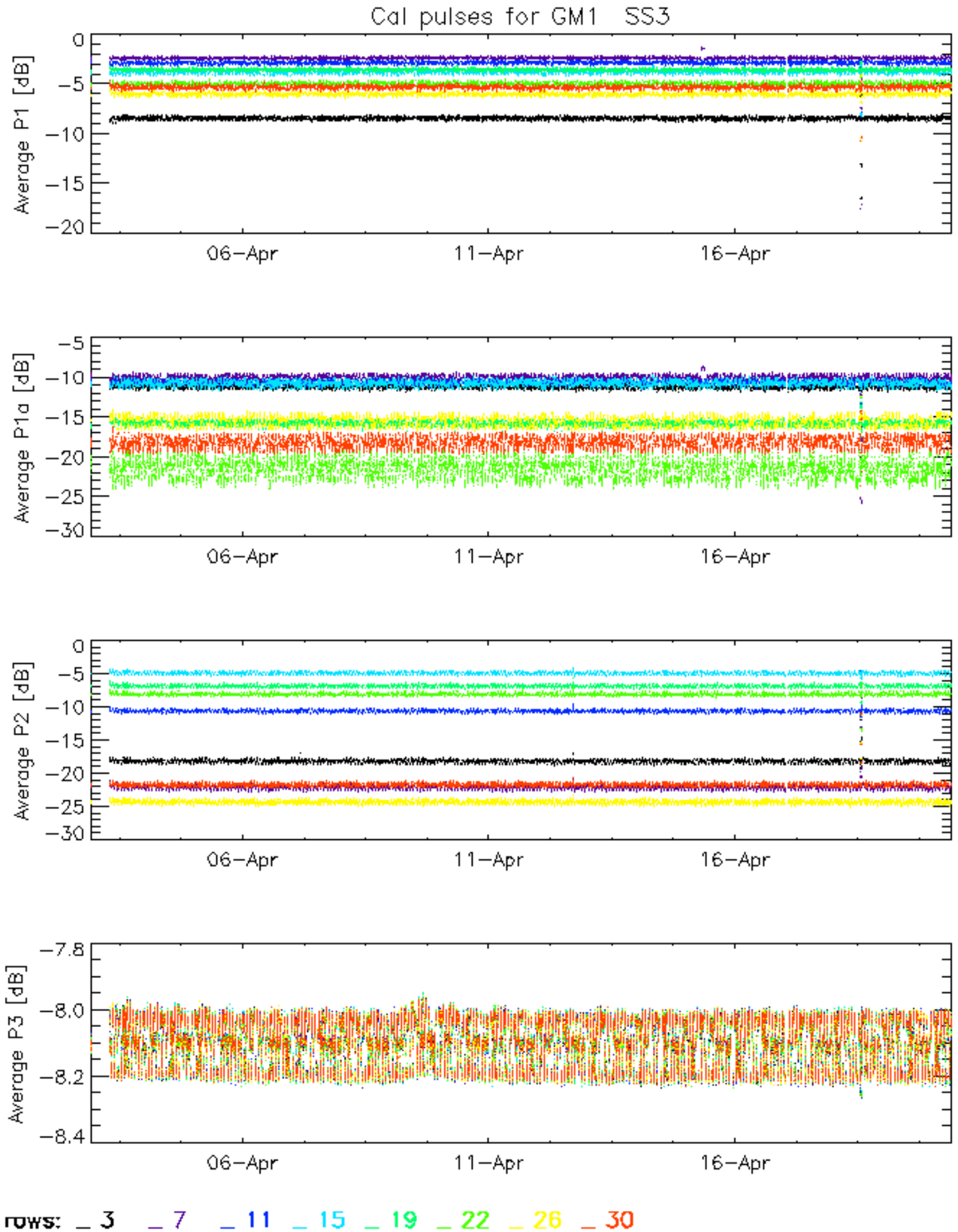
Descending

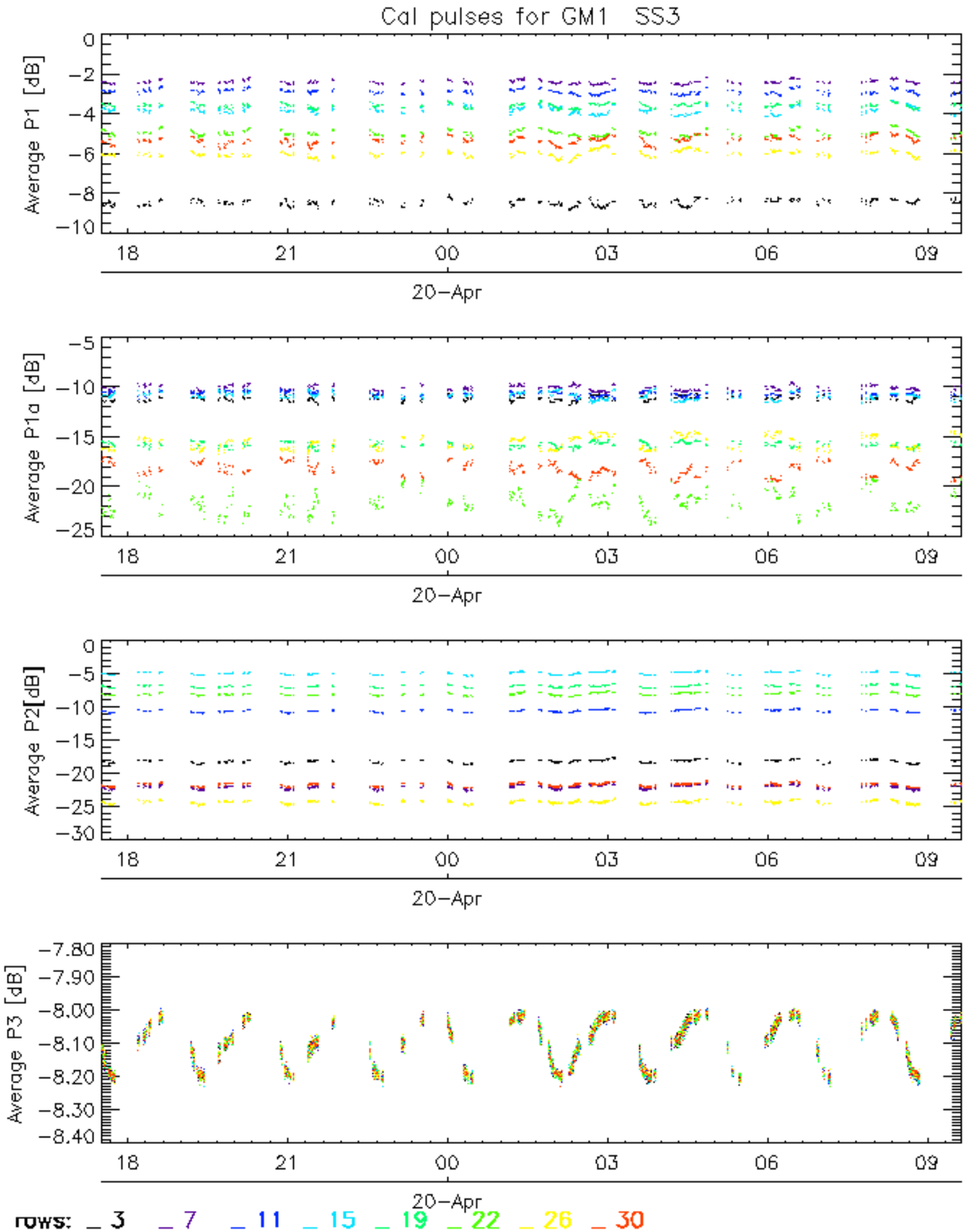
7.6 - Doppler evolution versus ANX for GM1

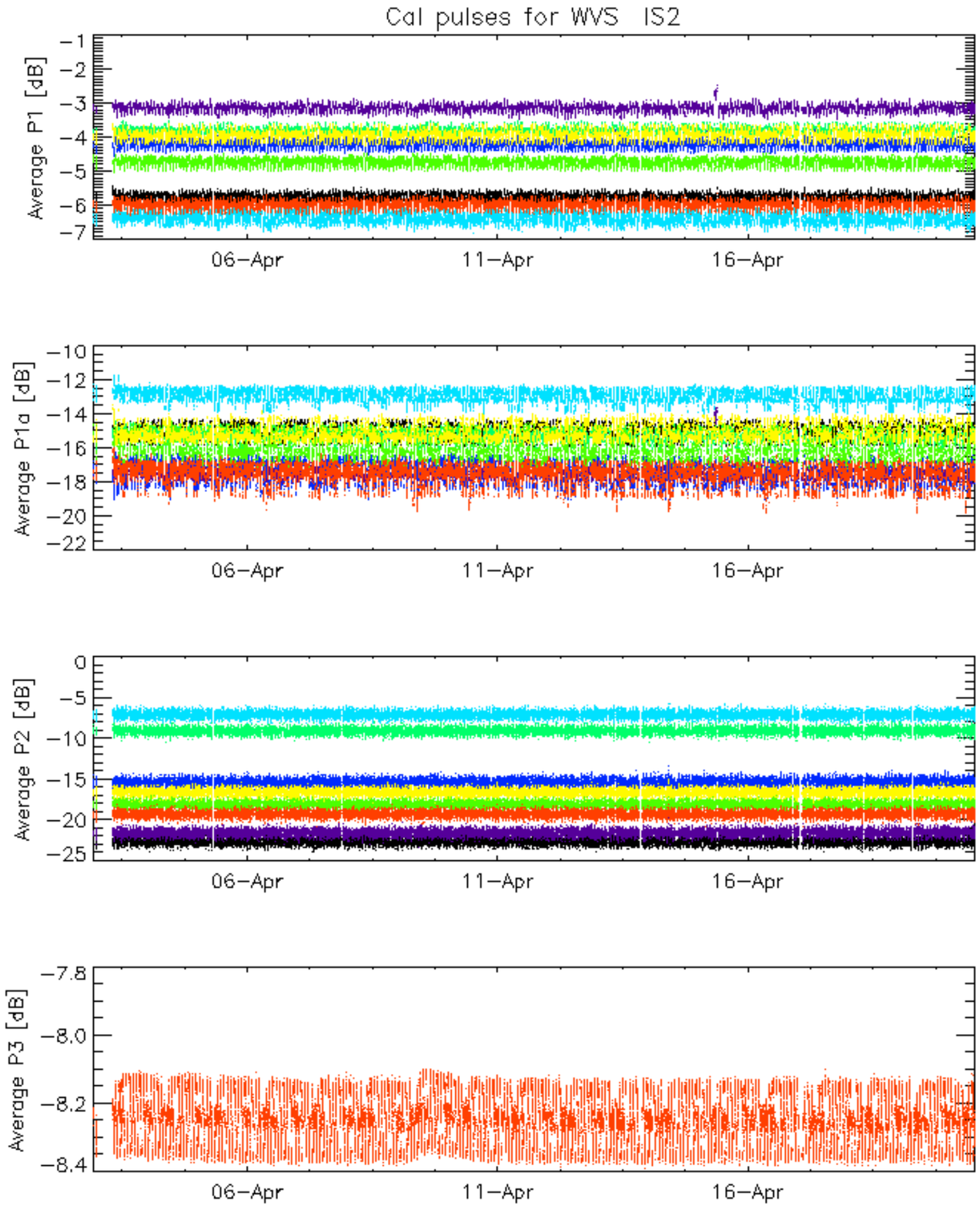
Evolution Doppler error versus ANX


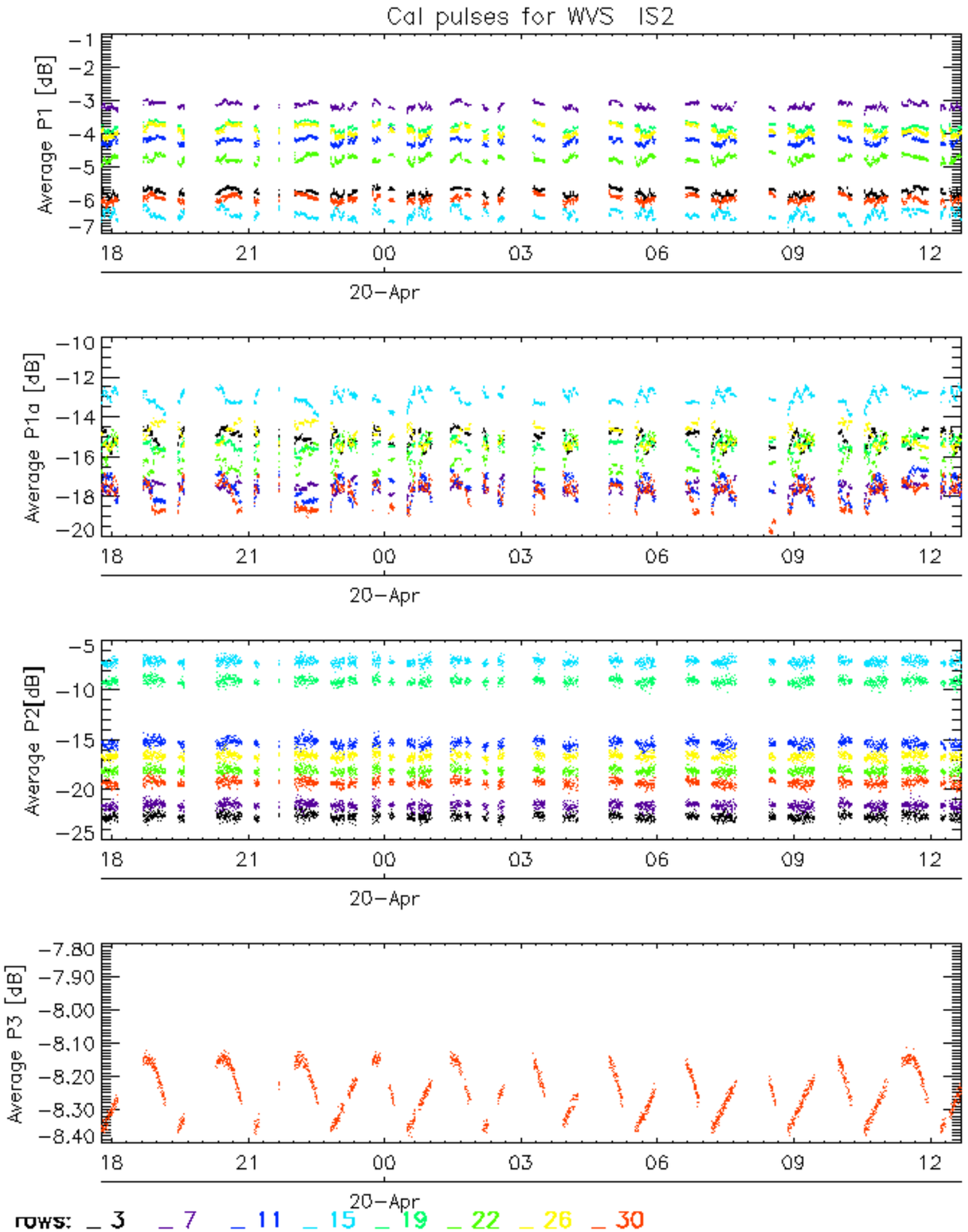

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
20−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
20−Apr
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
20−Apr
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
20−Apr
rows: 3 7 11 15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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
06−Apr
11−Apr
16−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
06−Apr
11−Apr
16−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

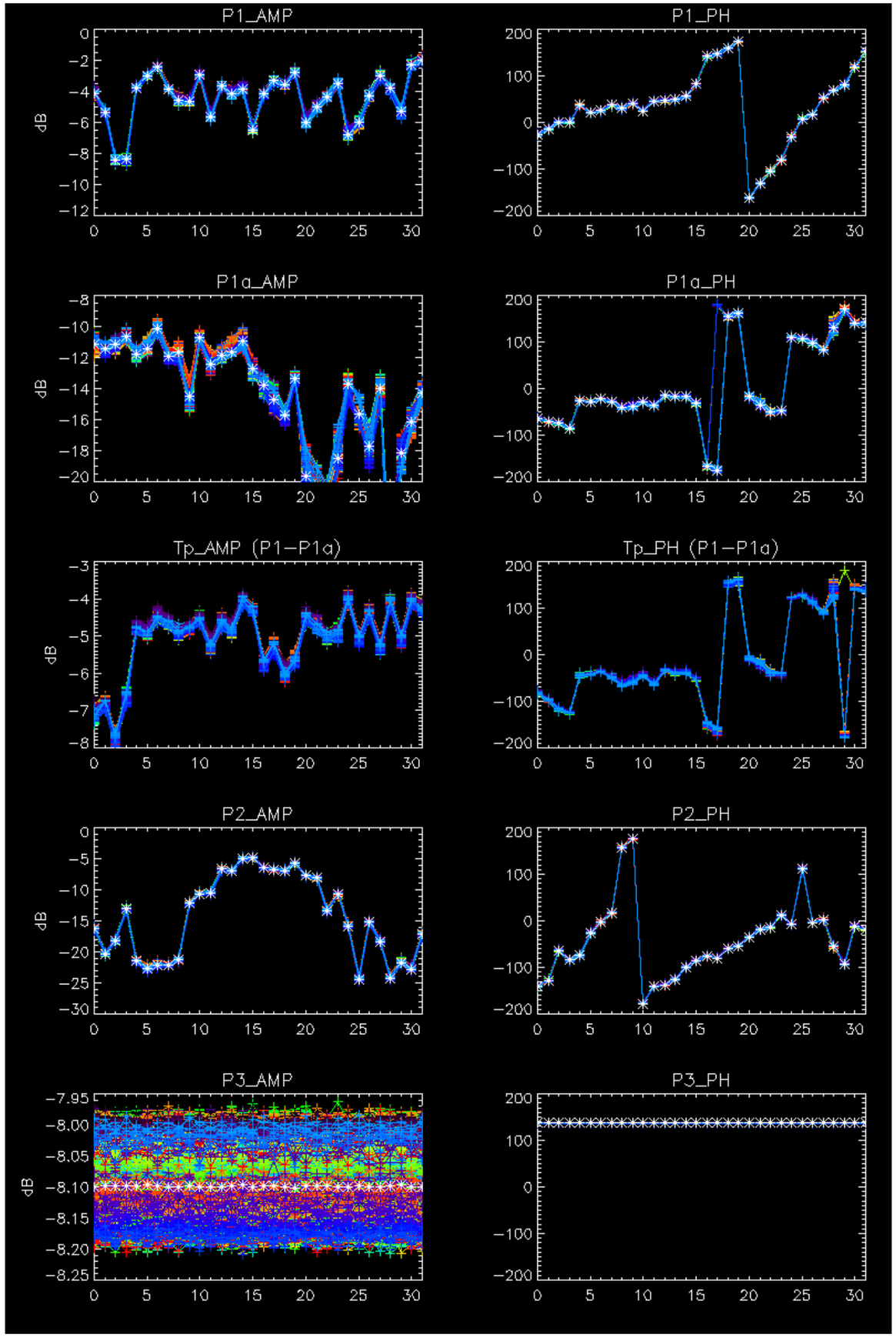

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
20−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

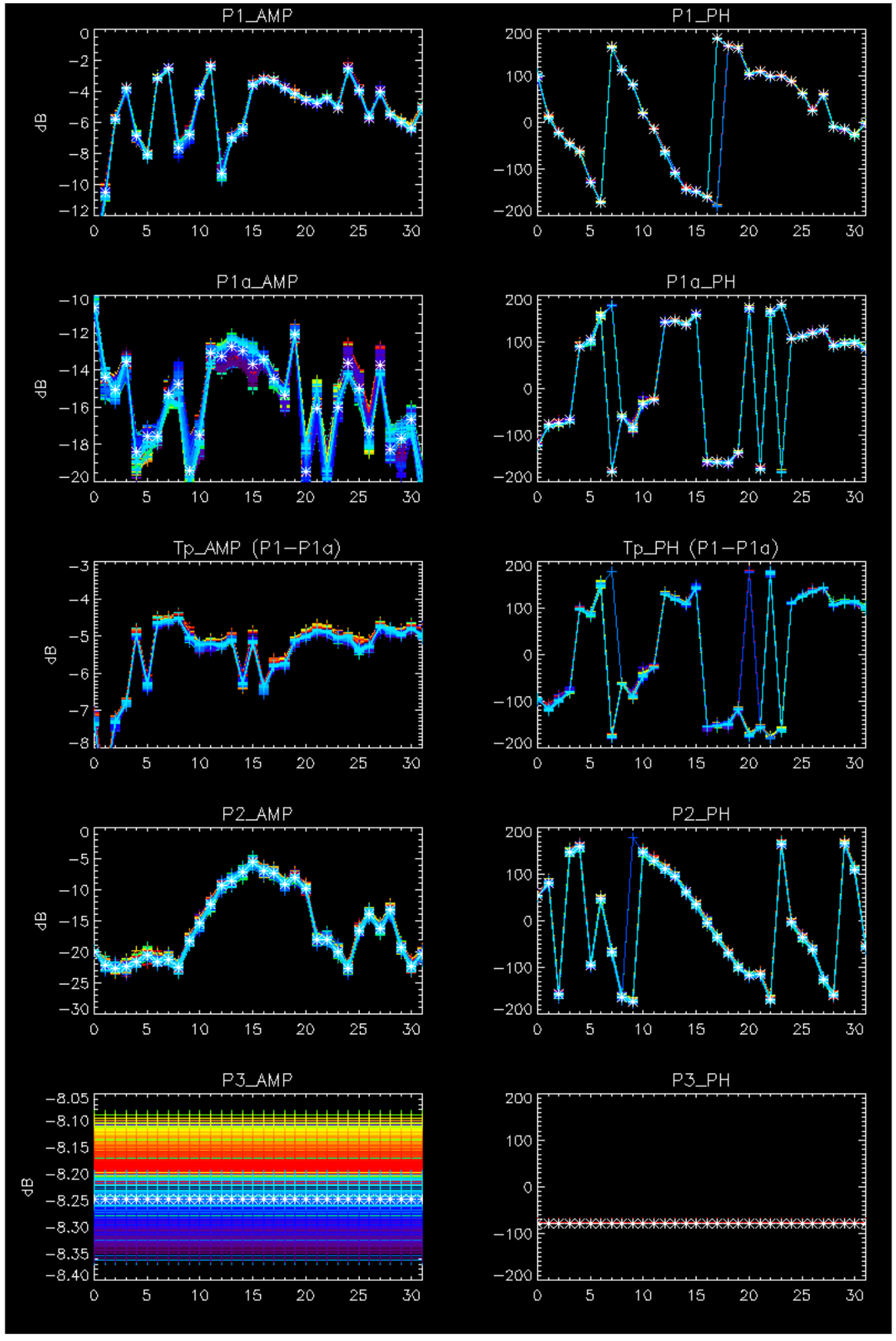

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
06−Apr
11−Apr
16−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
12
20−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09
12
20−Apr
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
12
20−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
12
20−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

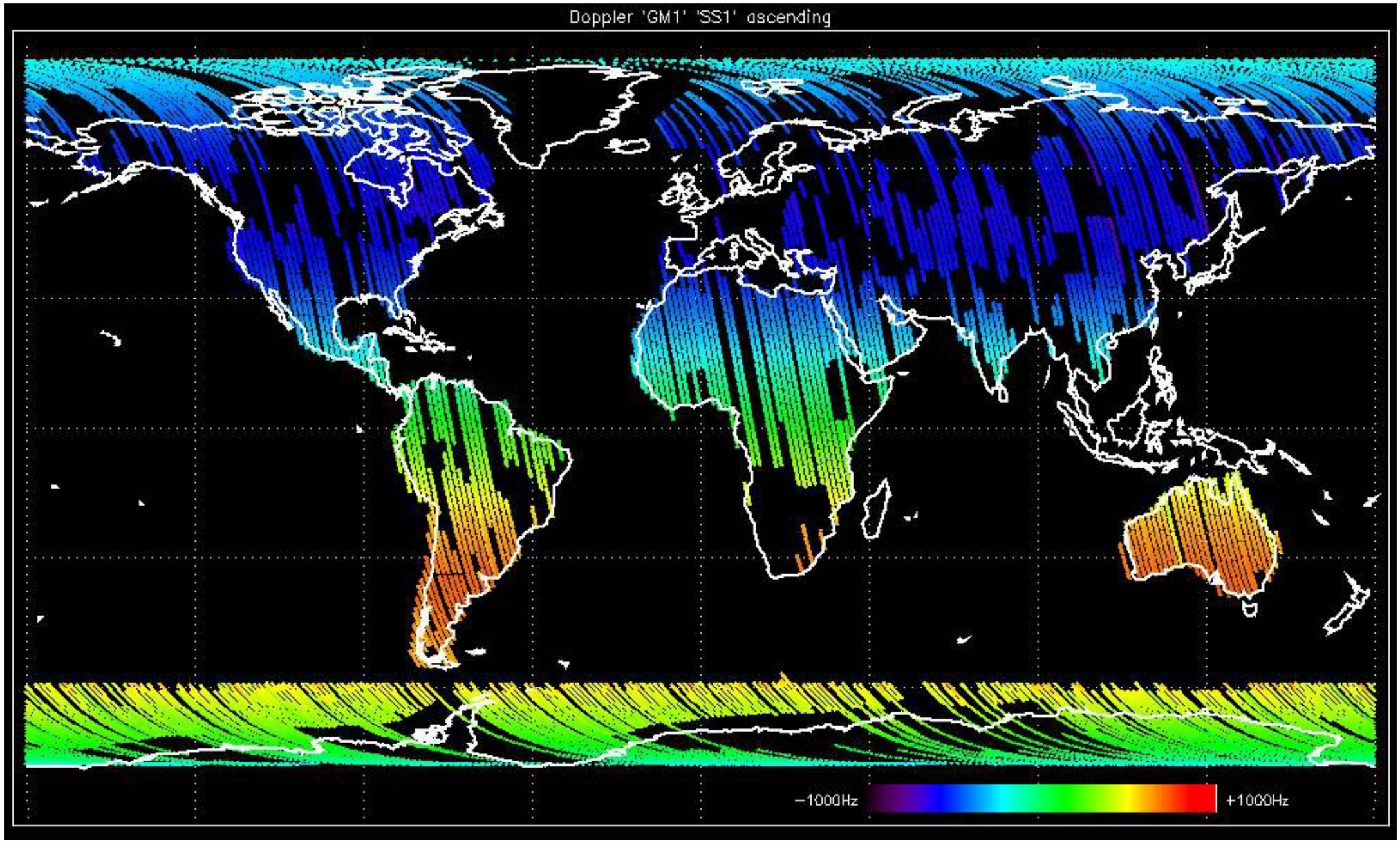
No anomalies observed.

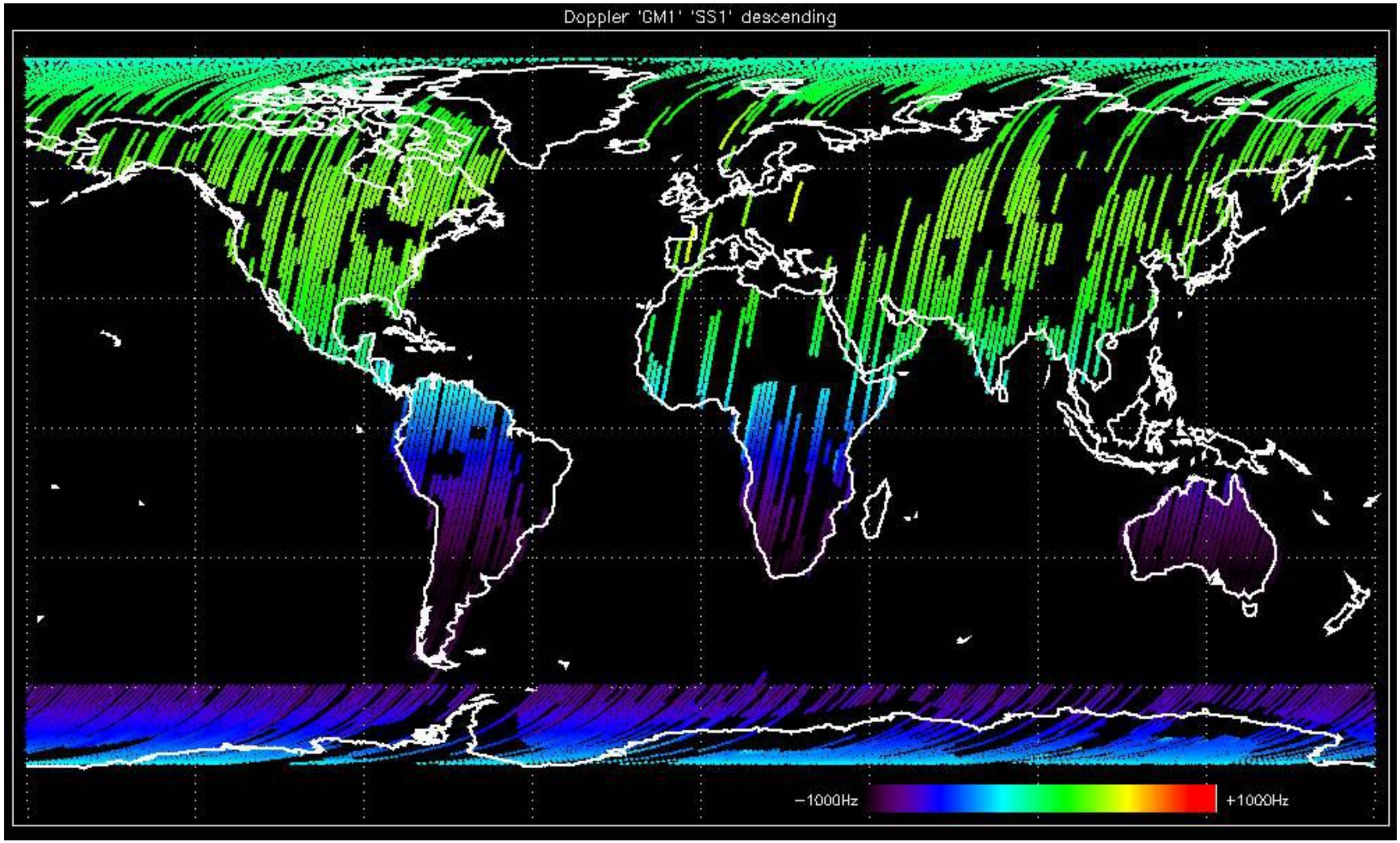

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

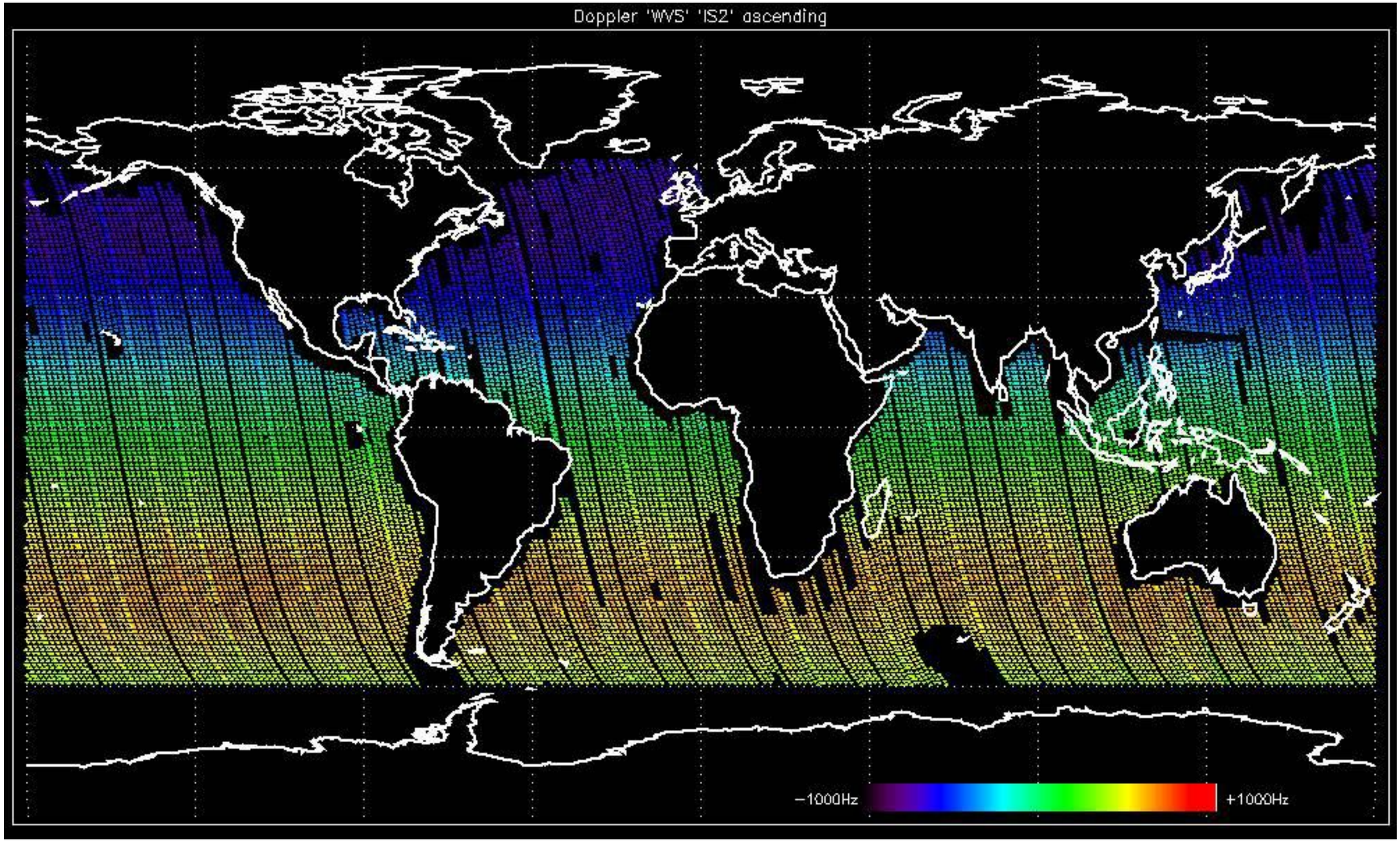

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

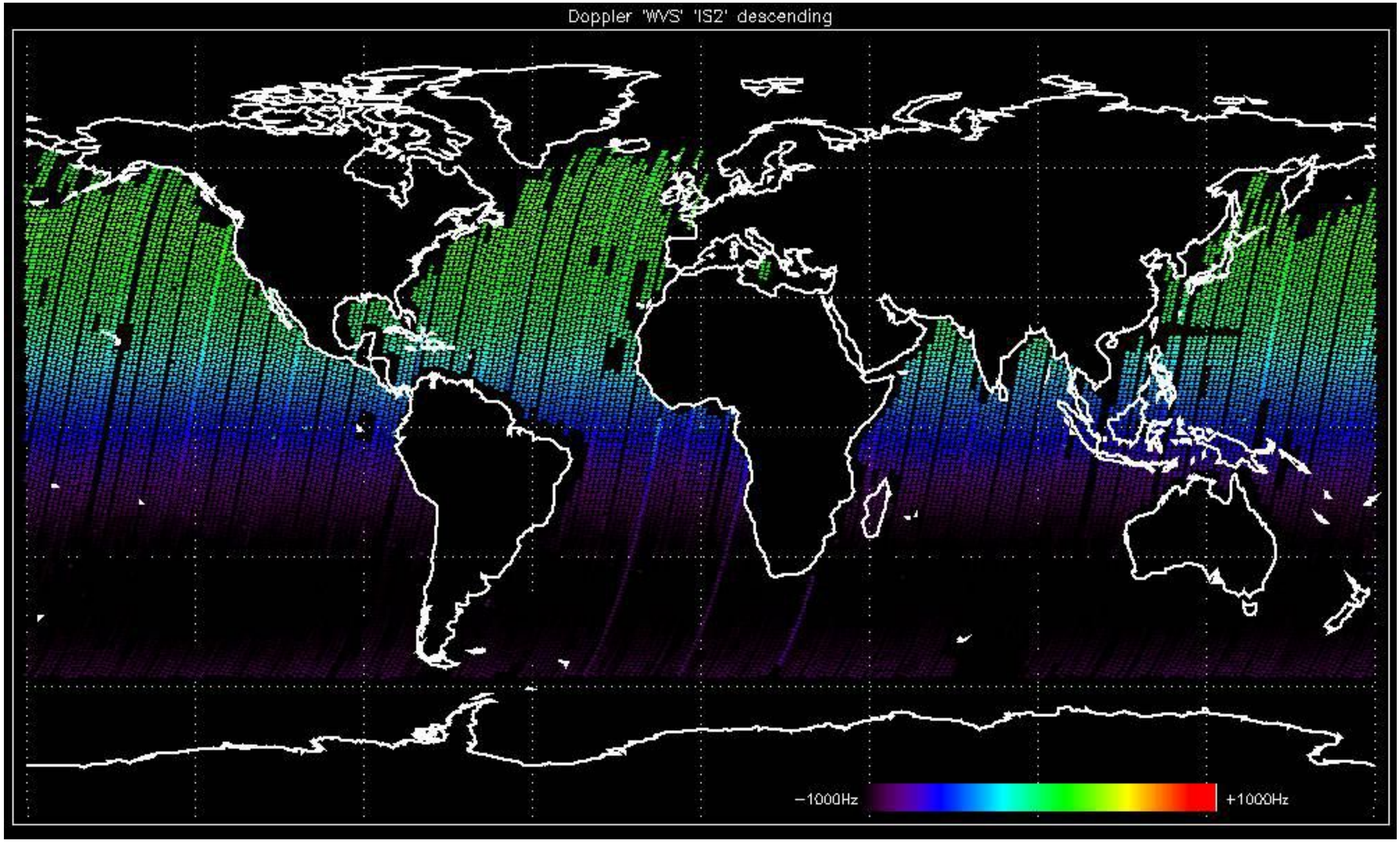
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

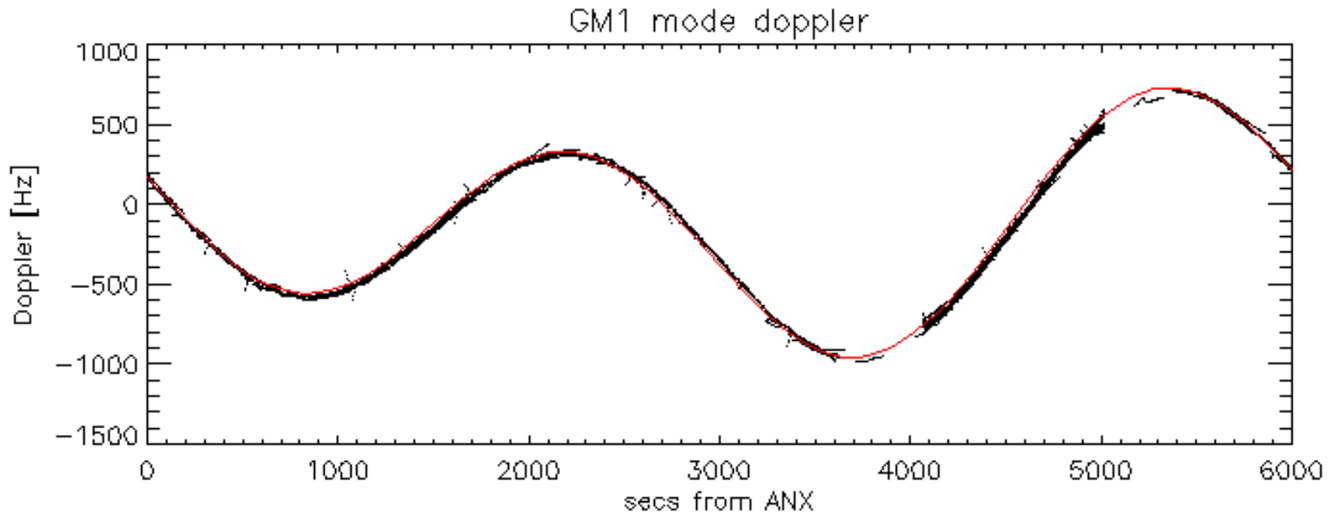
Preliminary report.The data is not yet controled

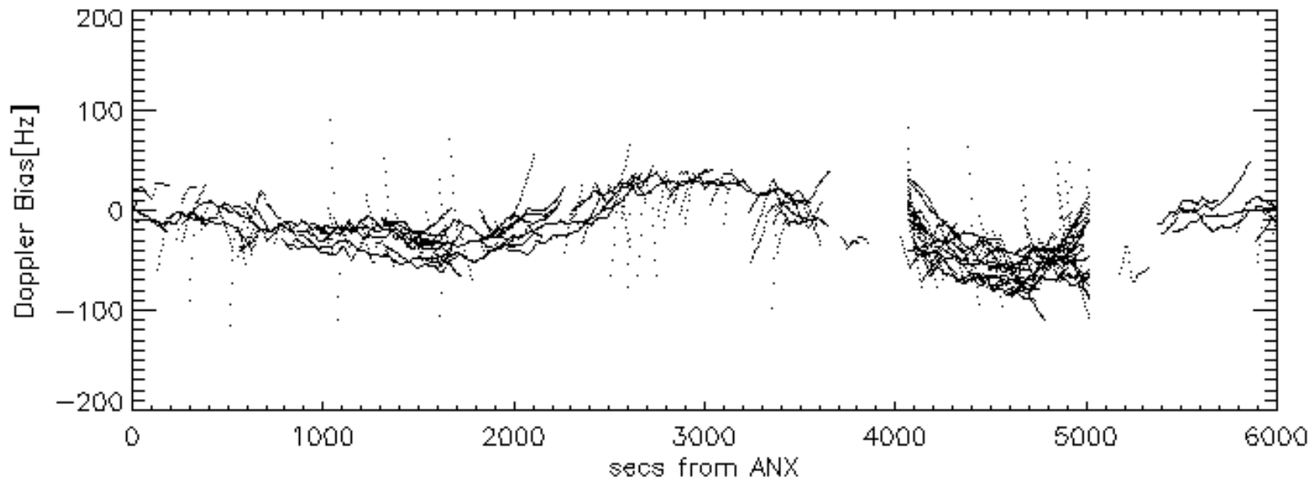

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

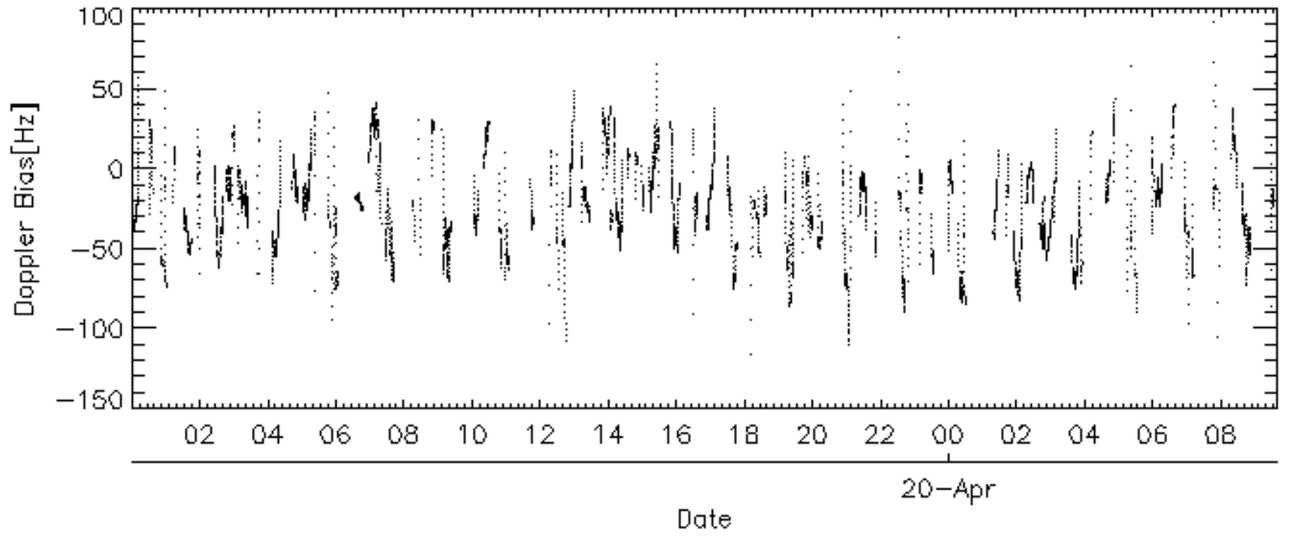

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

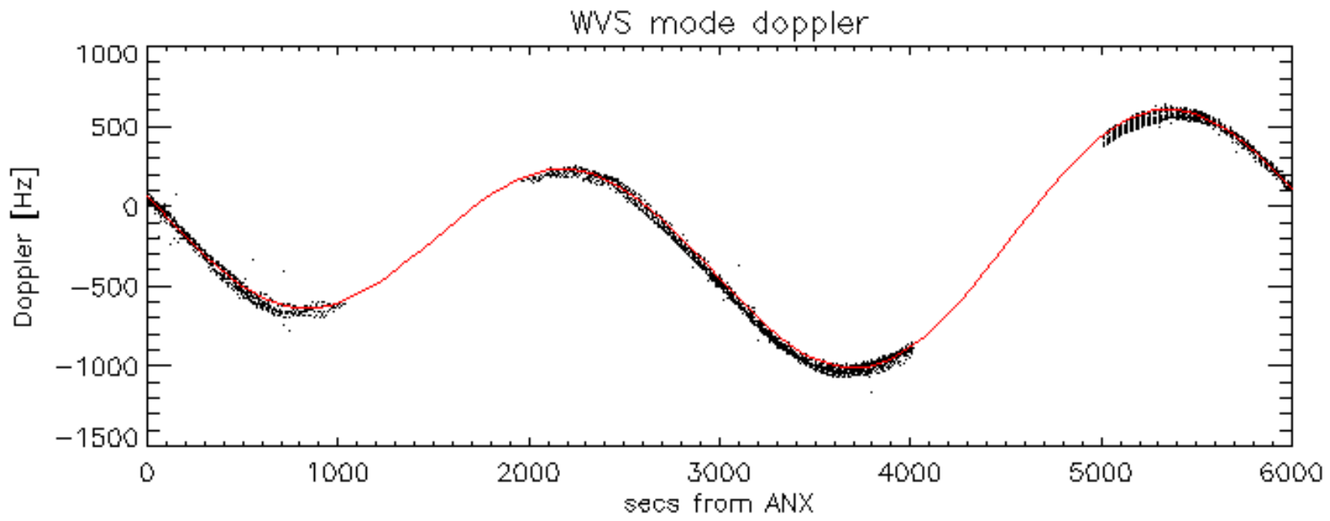

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

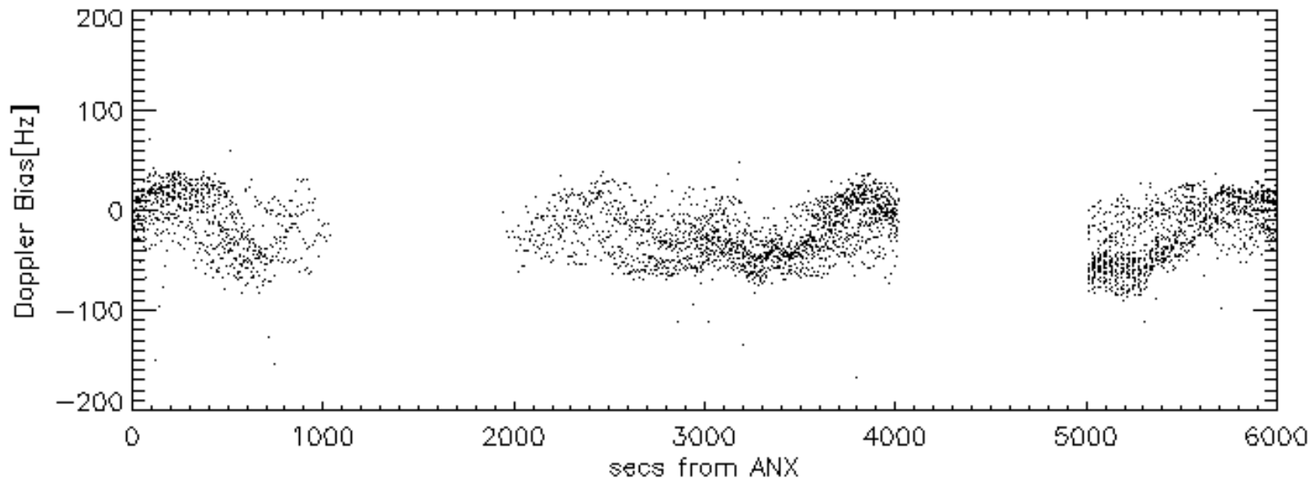

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

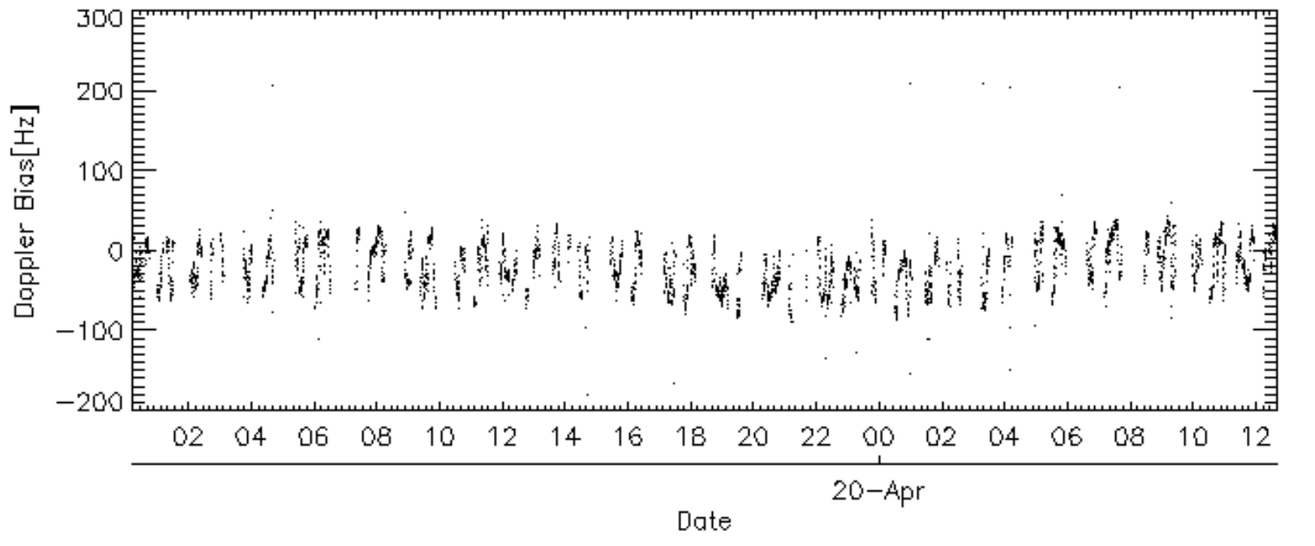

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

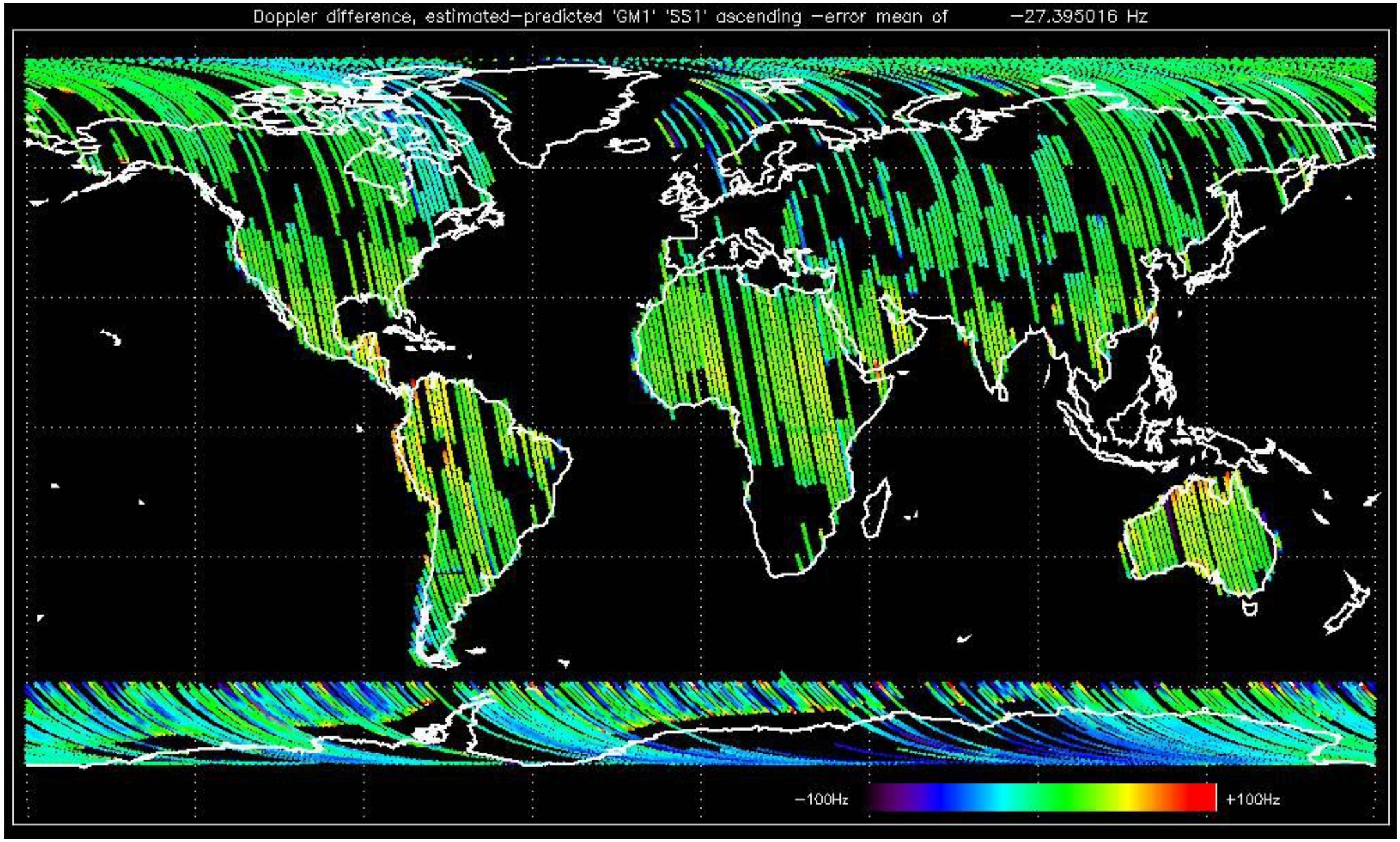

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

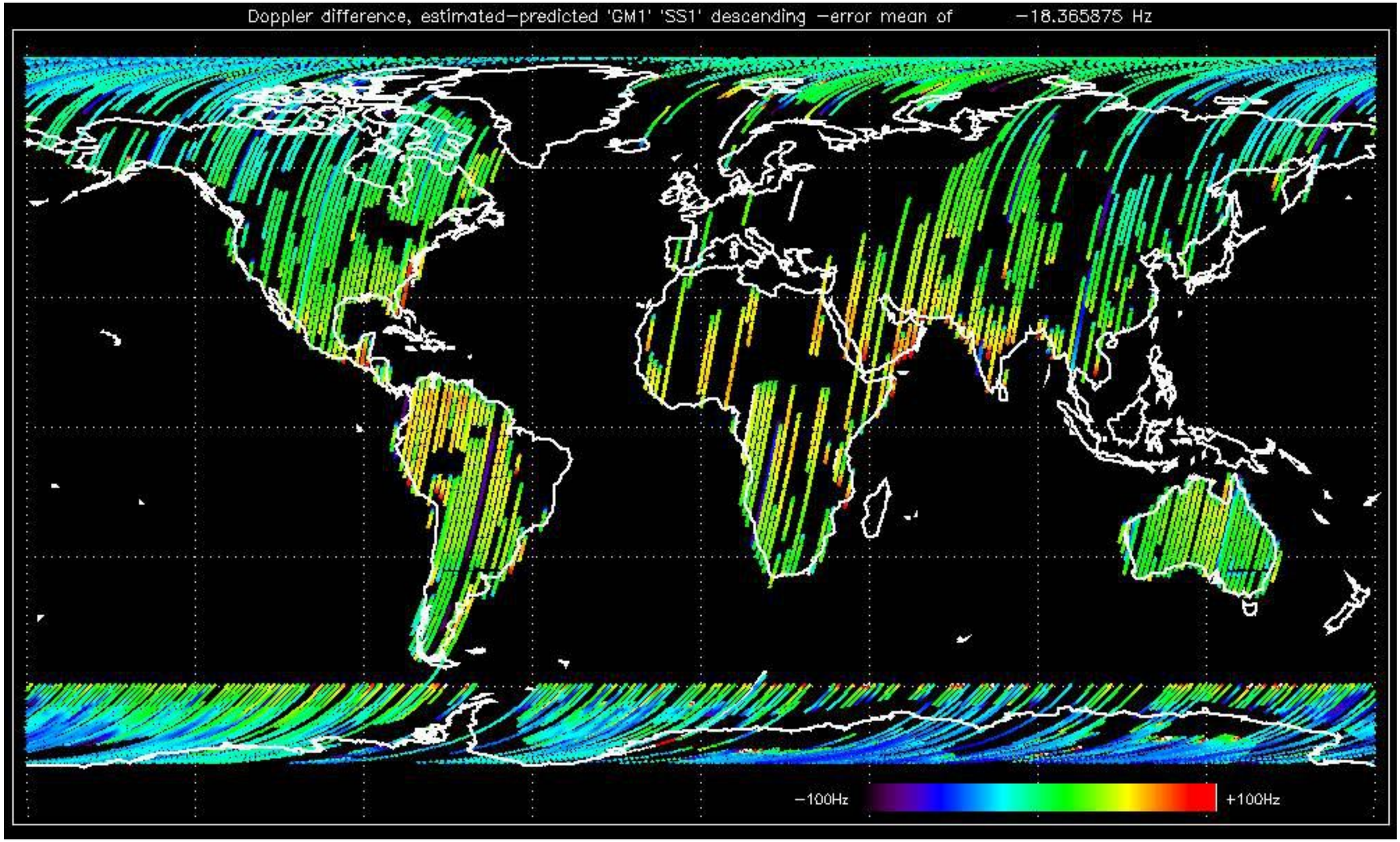

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
20−Apr
Date

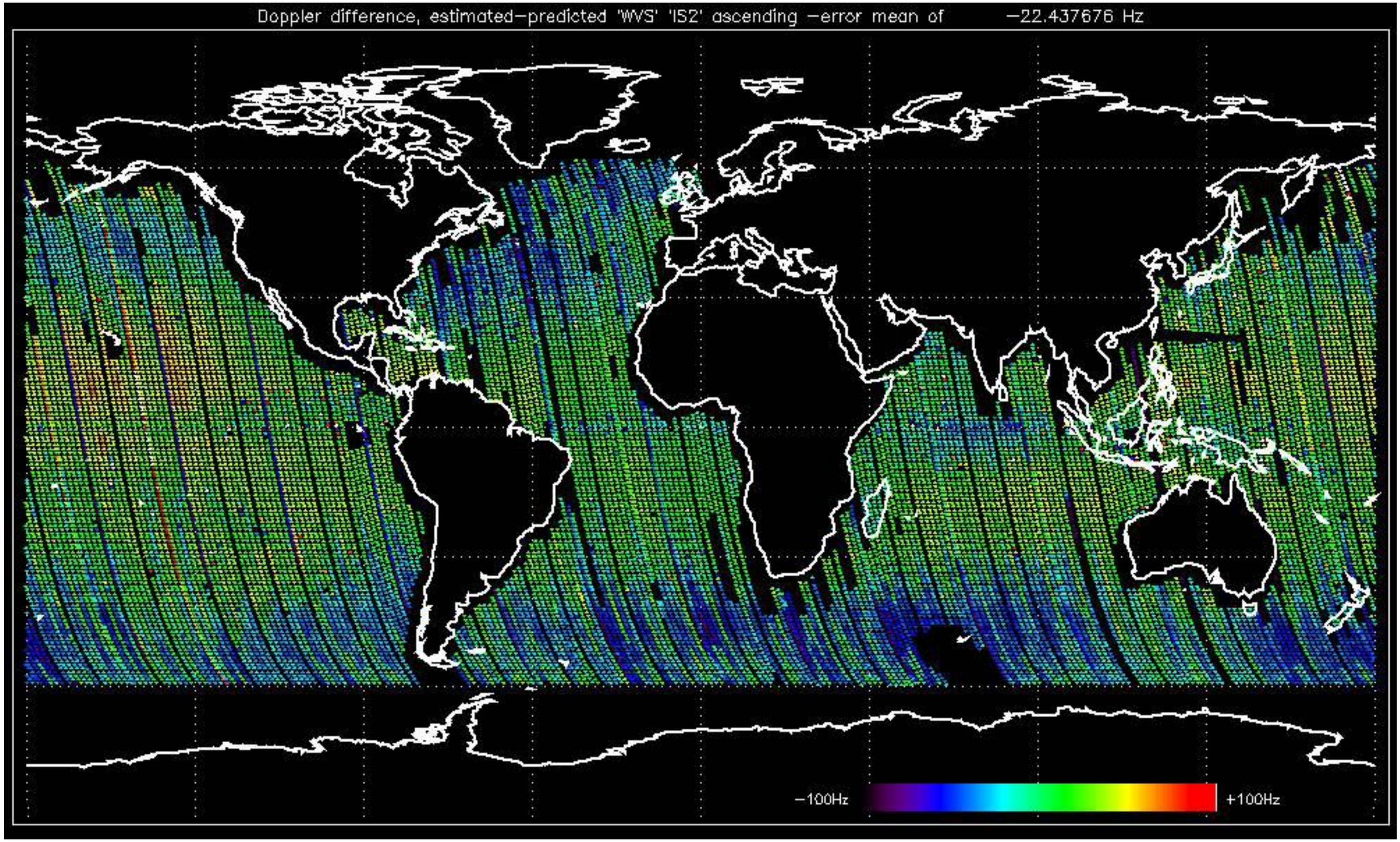

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

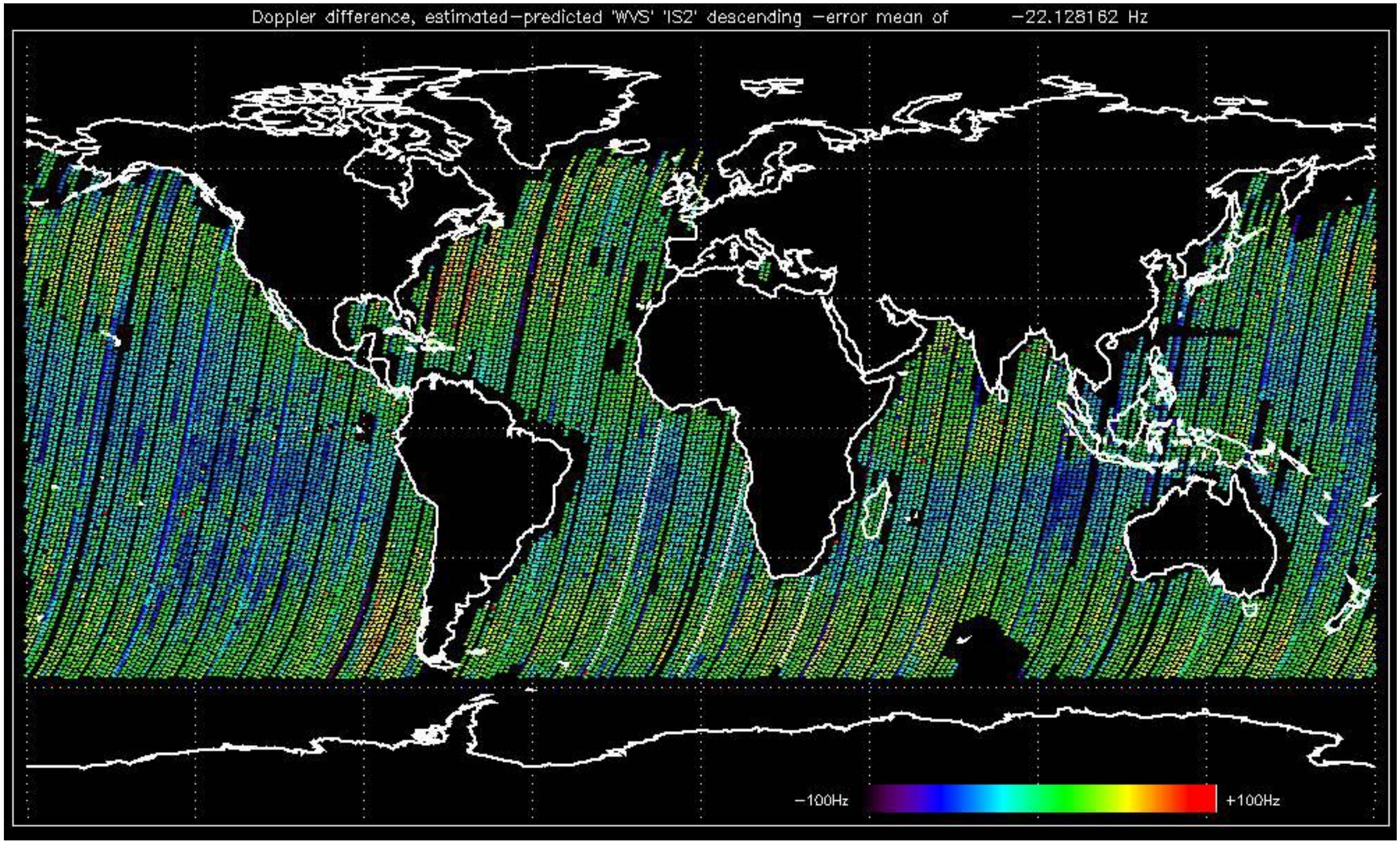

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −27.395016 Hz
−100Hz
+100Hz

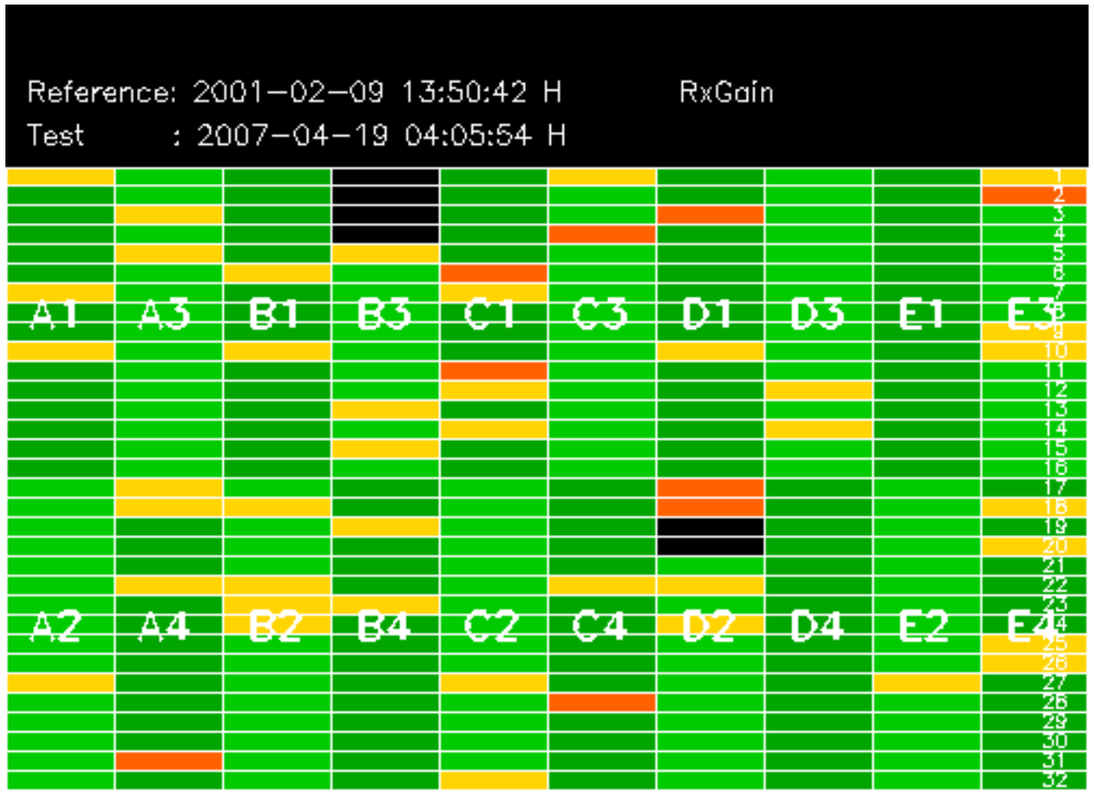

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.365875 Hz
−100Hz
+100Hz

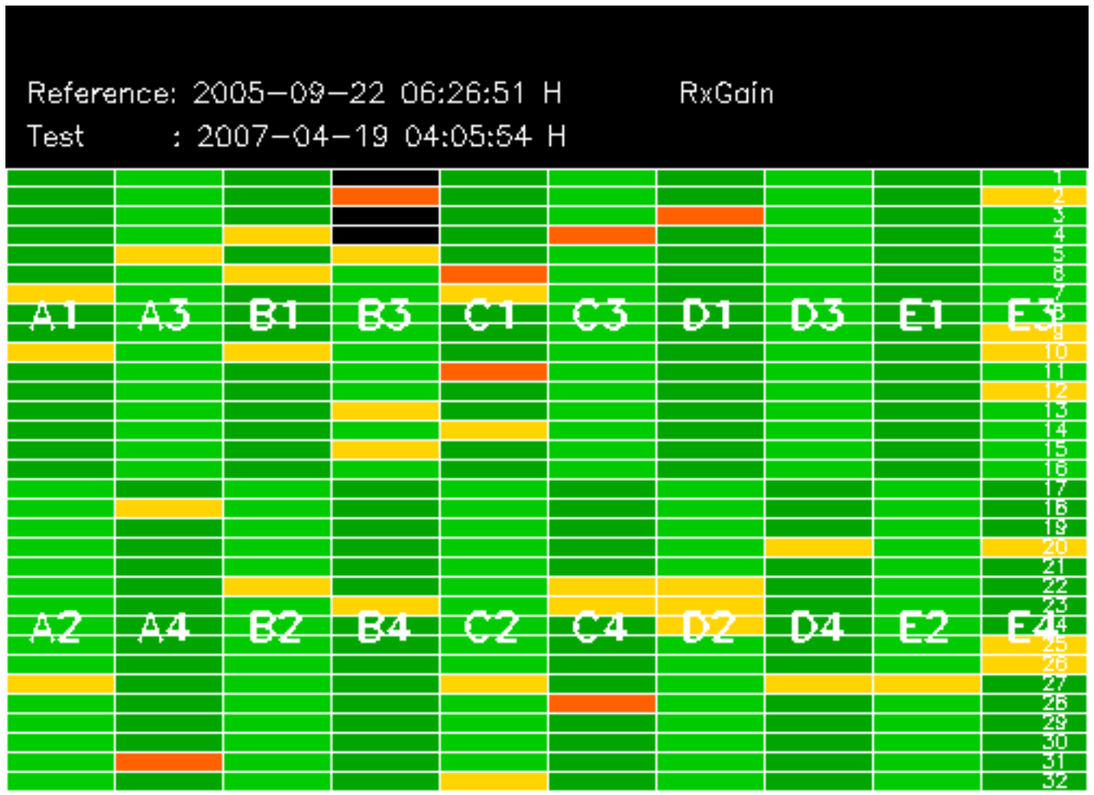

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −22.437676 Hz
−100Hz
+100Hz

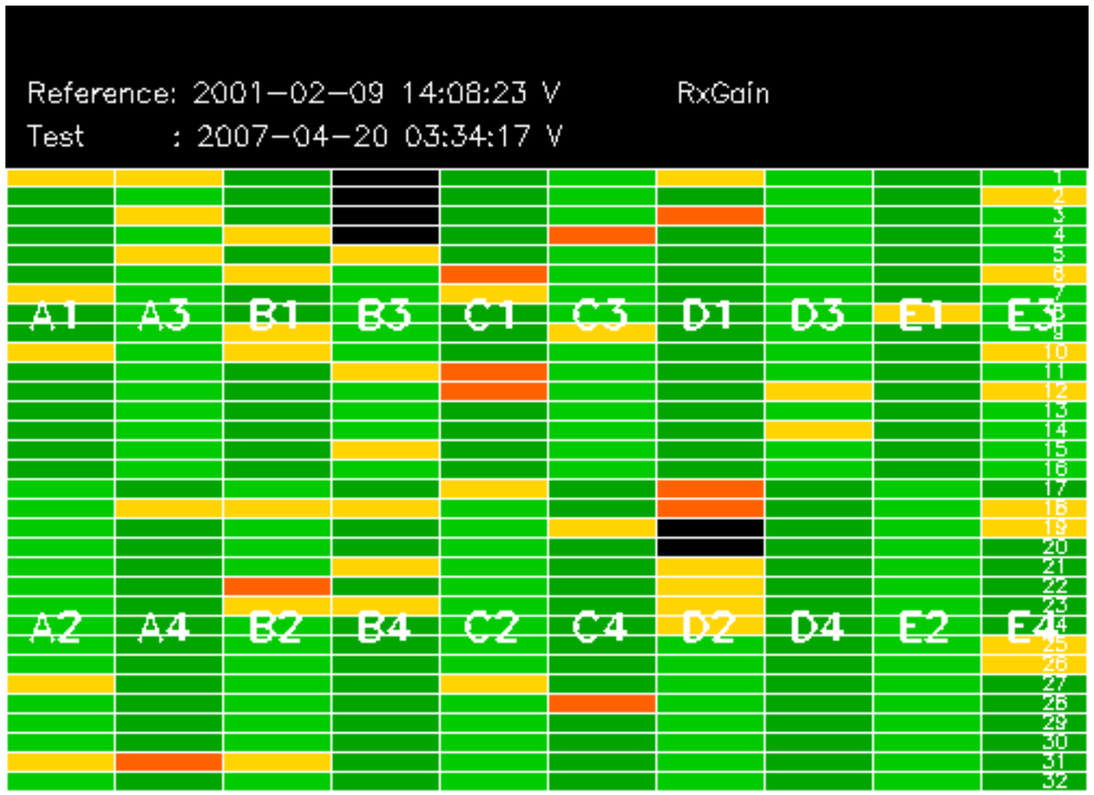

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −22.128162 Hz
−100Hz
+100Hz

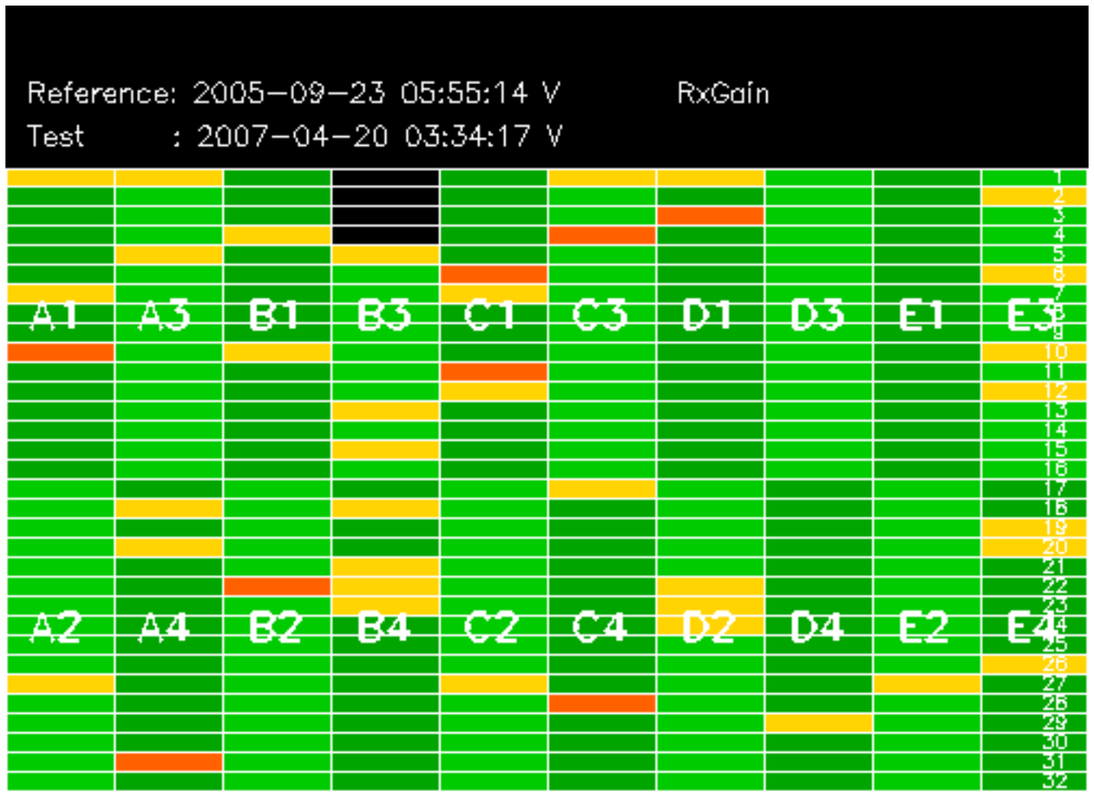
No anomalies observed on available MS products:

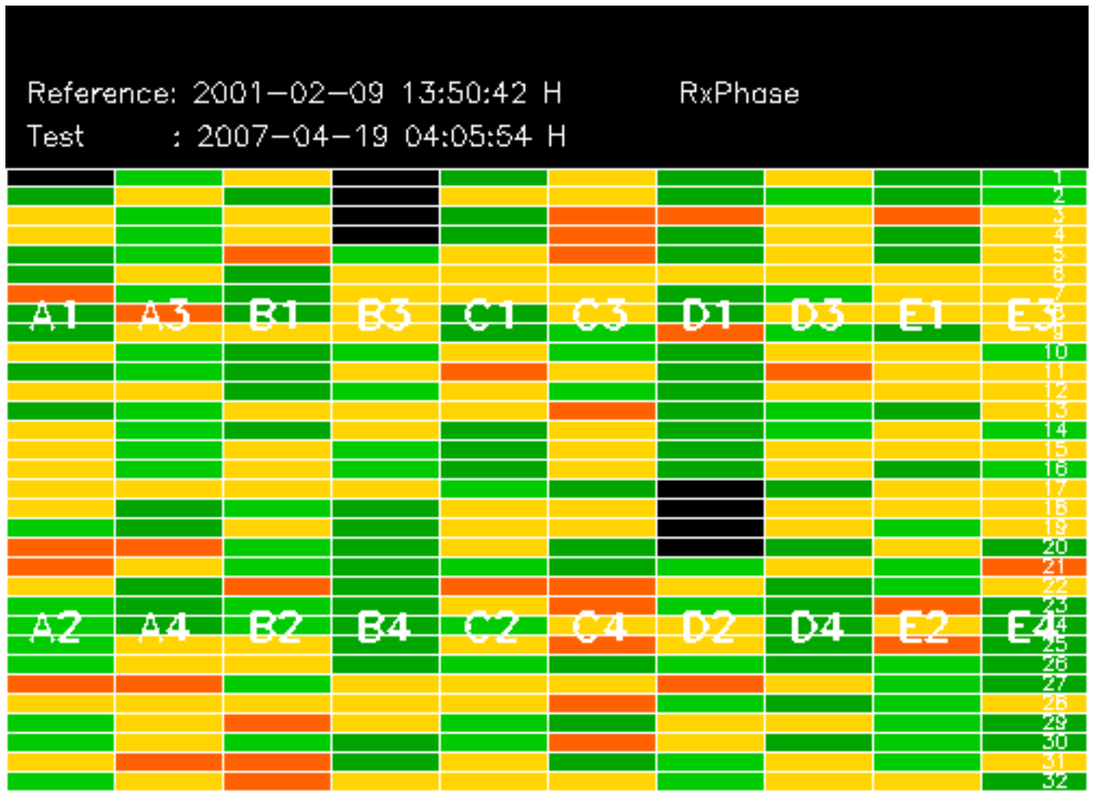
No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

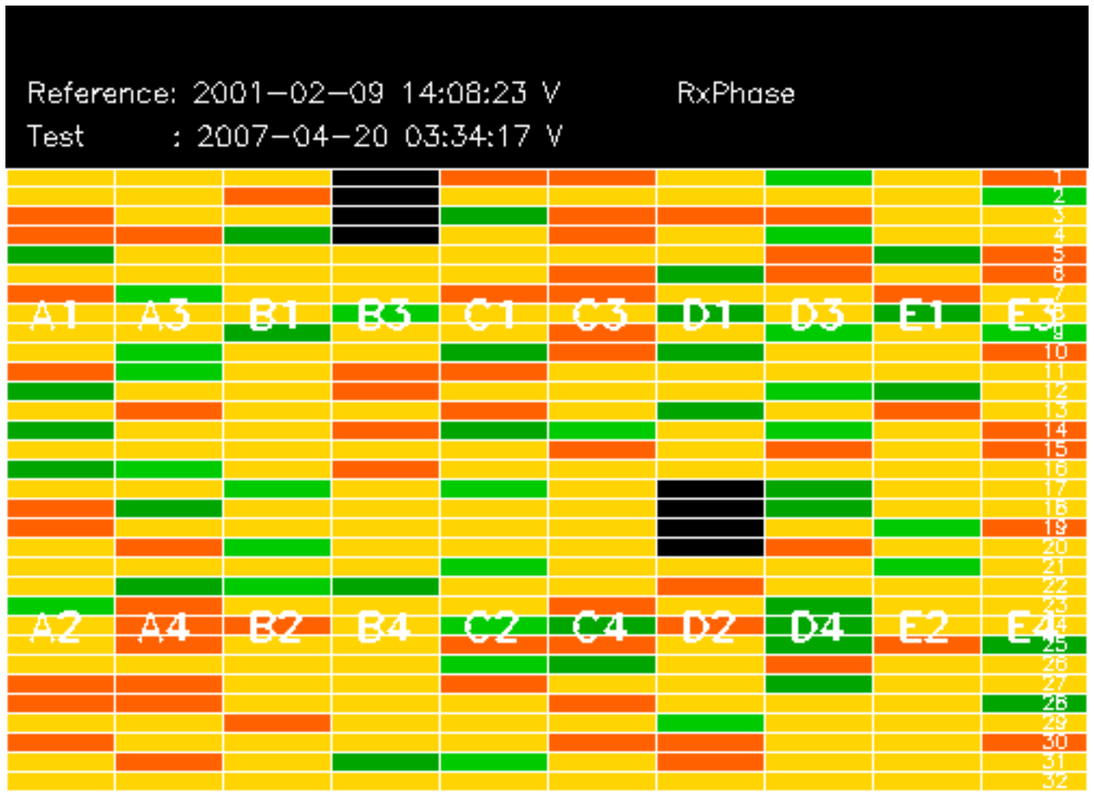

Reference: 2005-09-22 06:26:51 H
Test : 2007-04-19 04:05:54 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

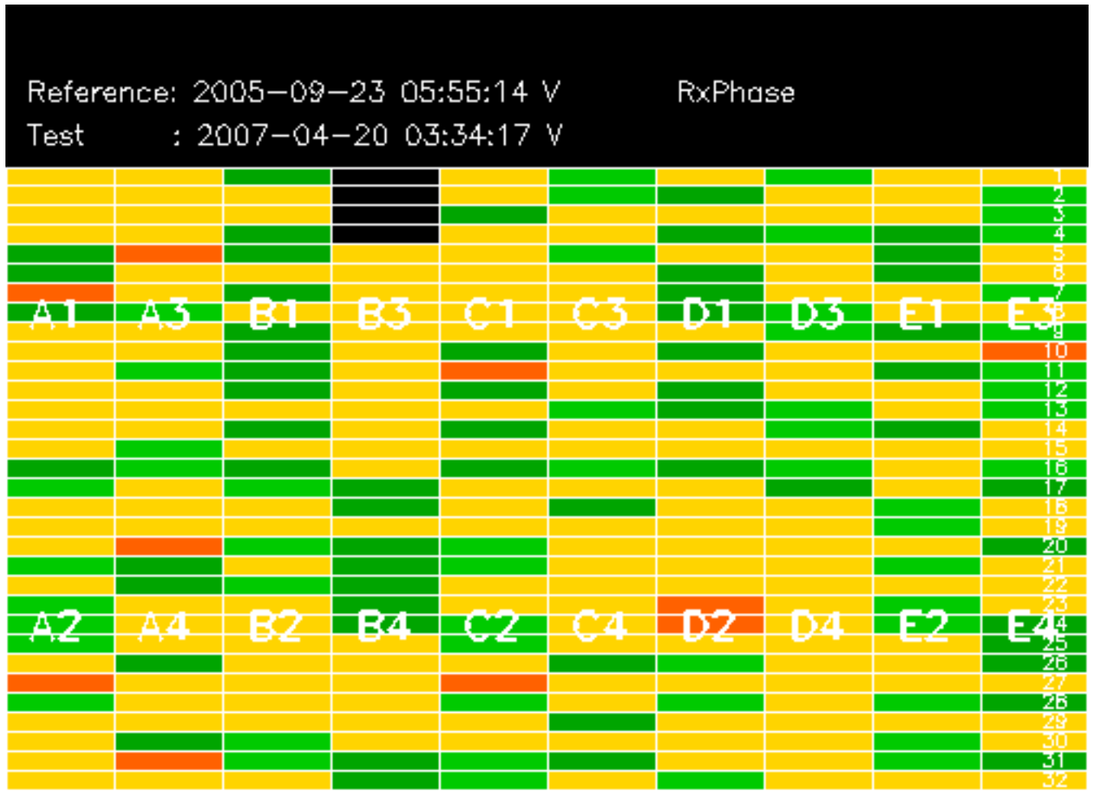

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

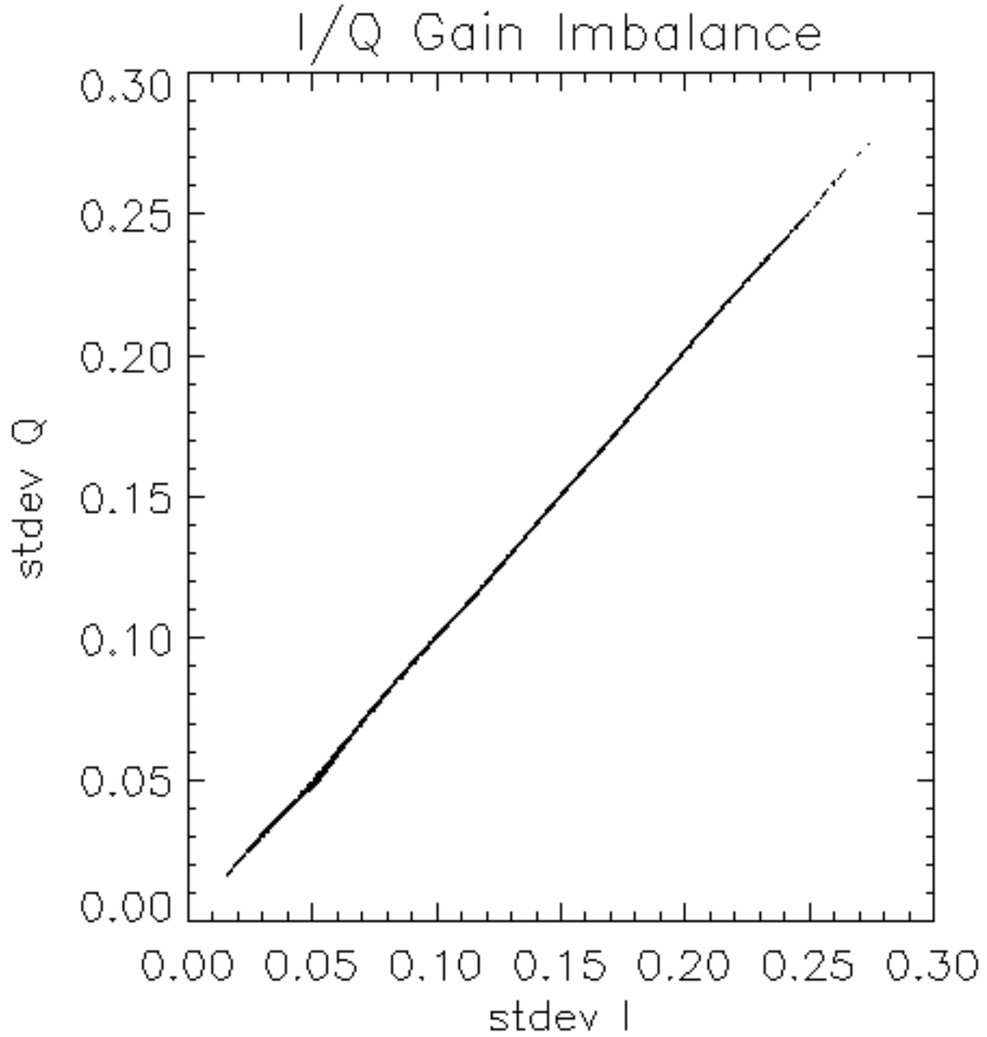

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

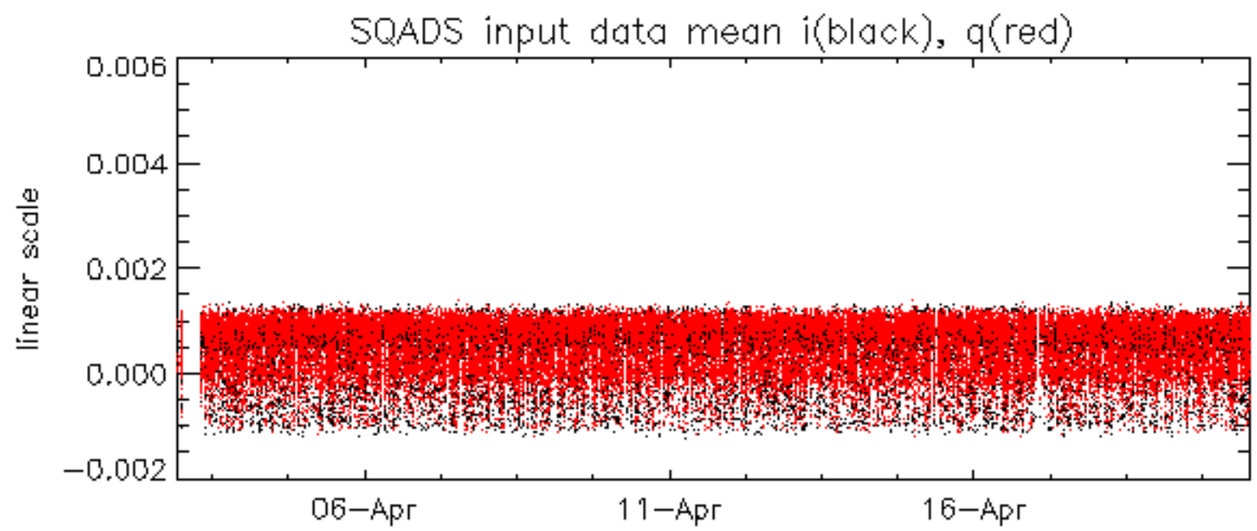

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

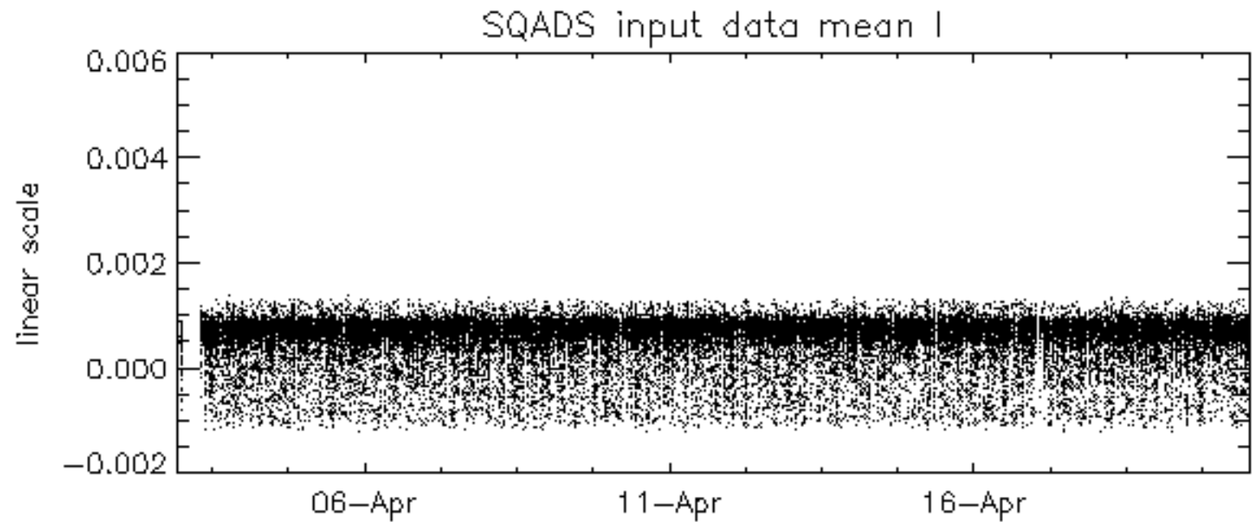

Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

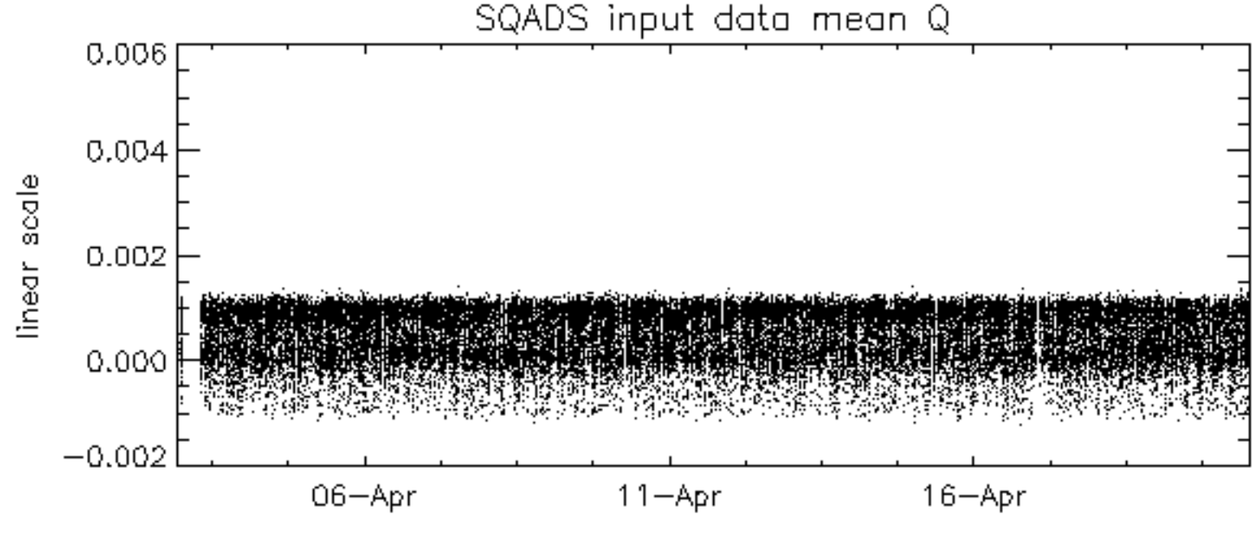

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

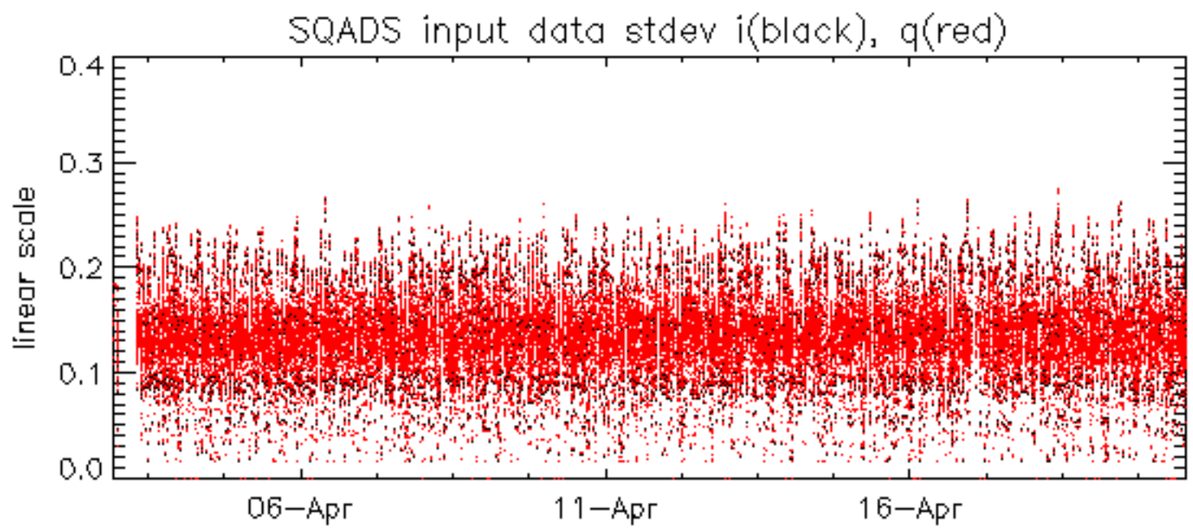

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

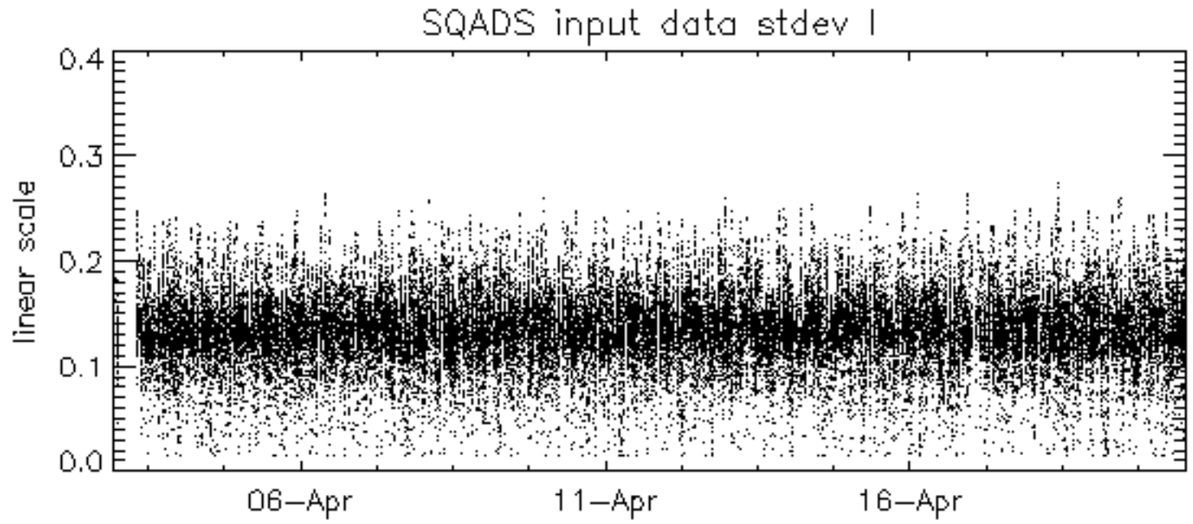

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

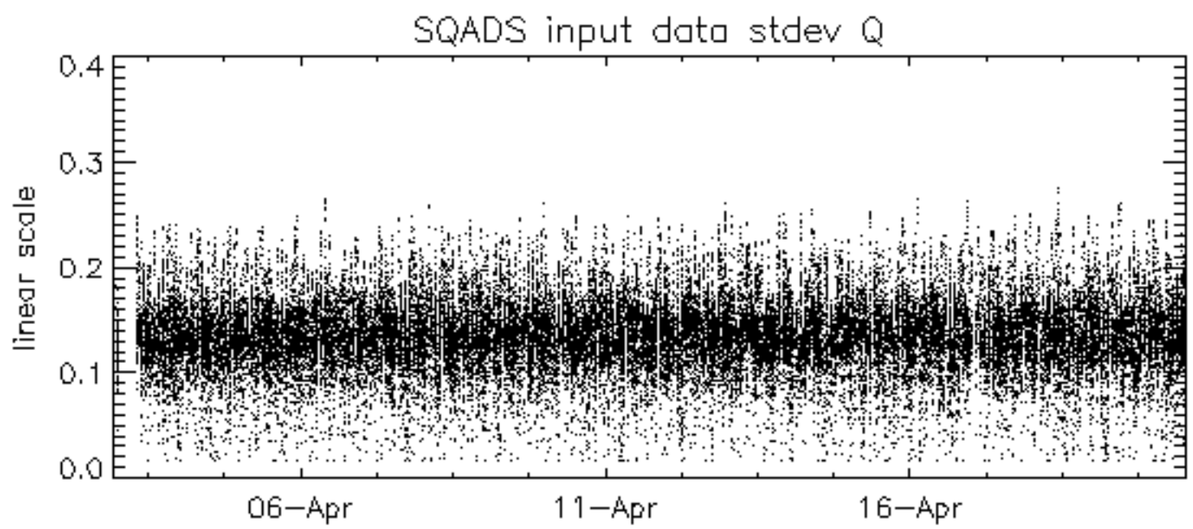

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr

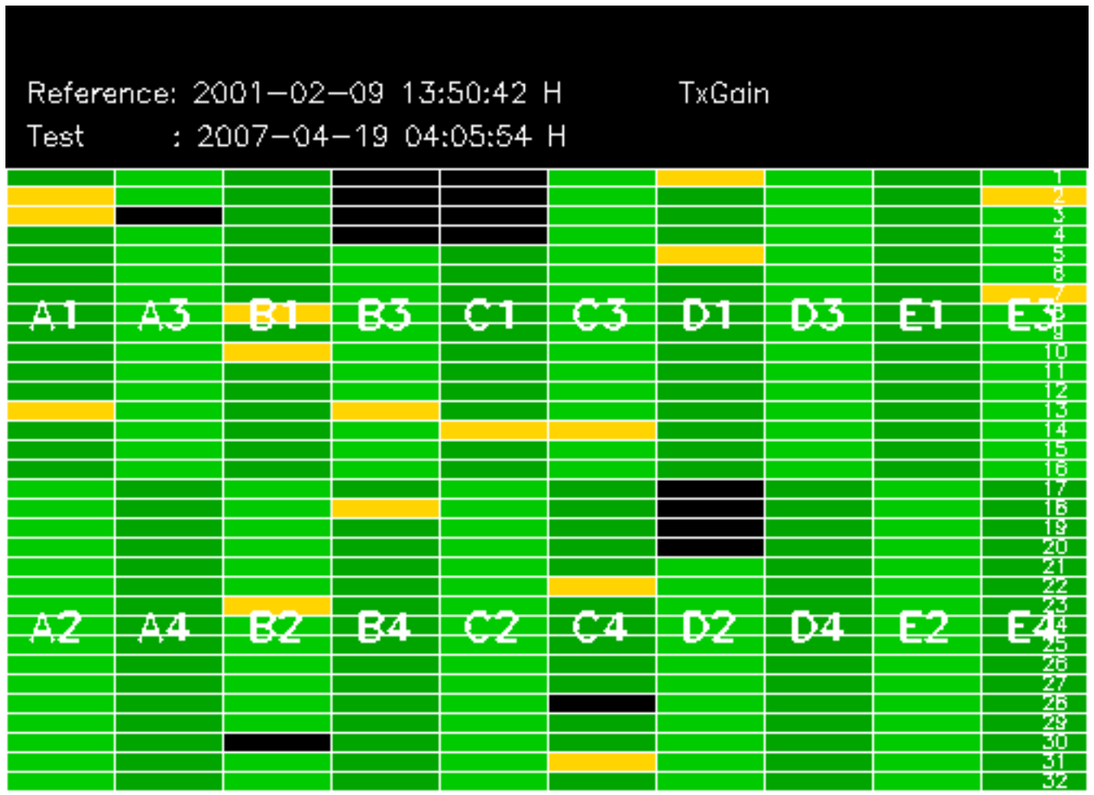

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr

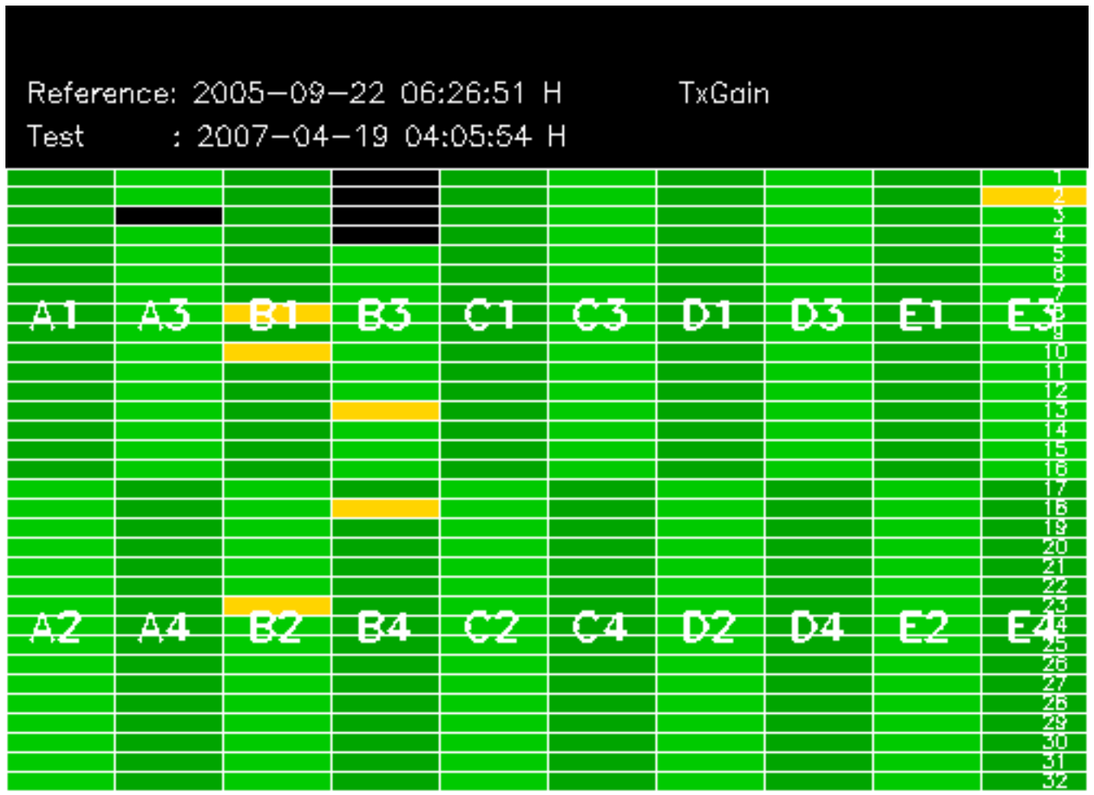

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr

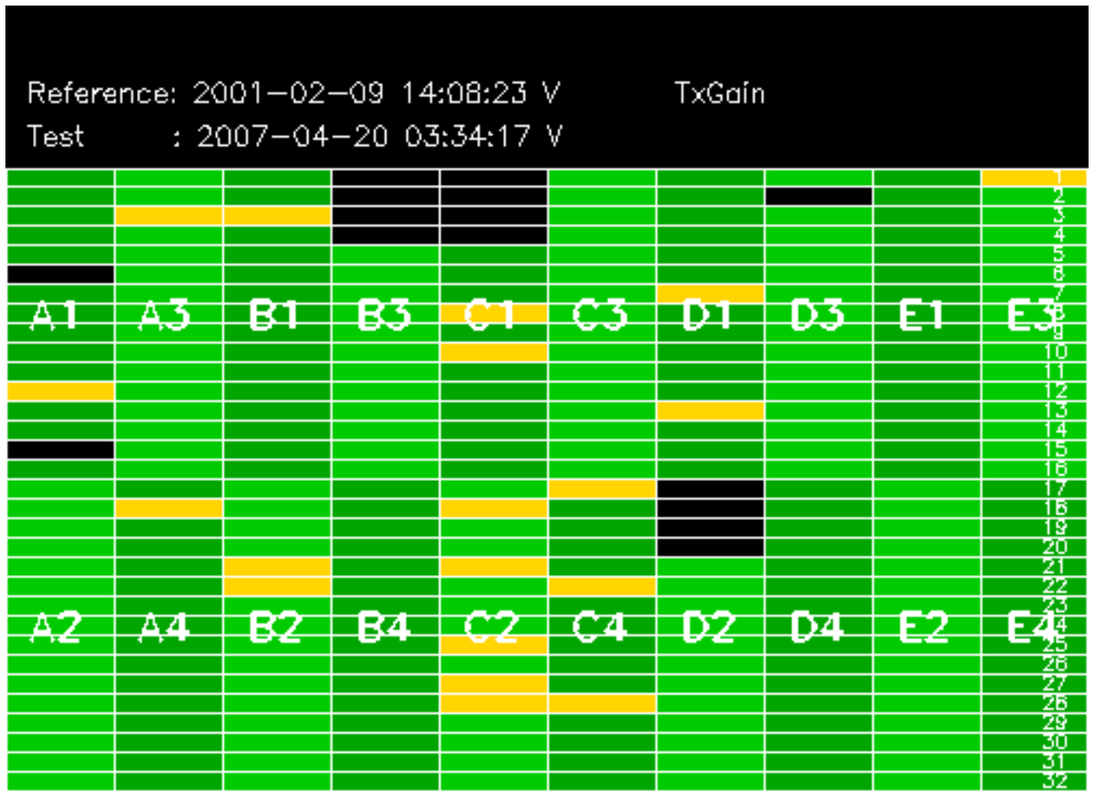

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr

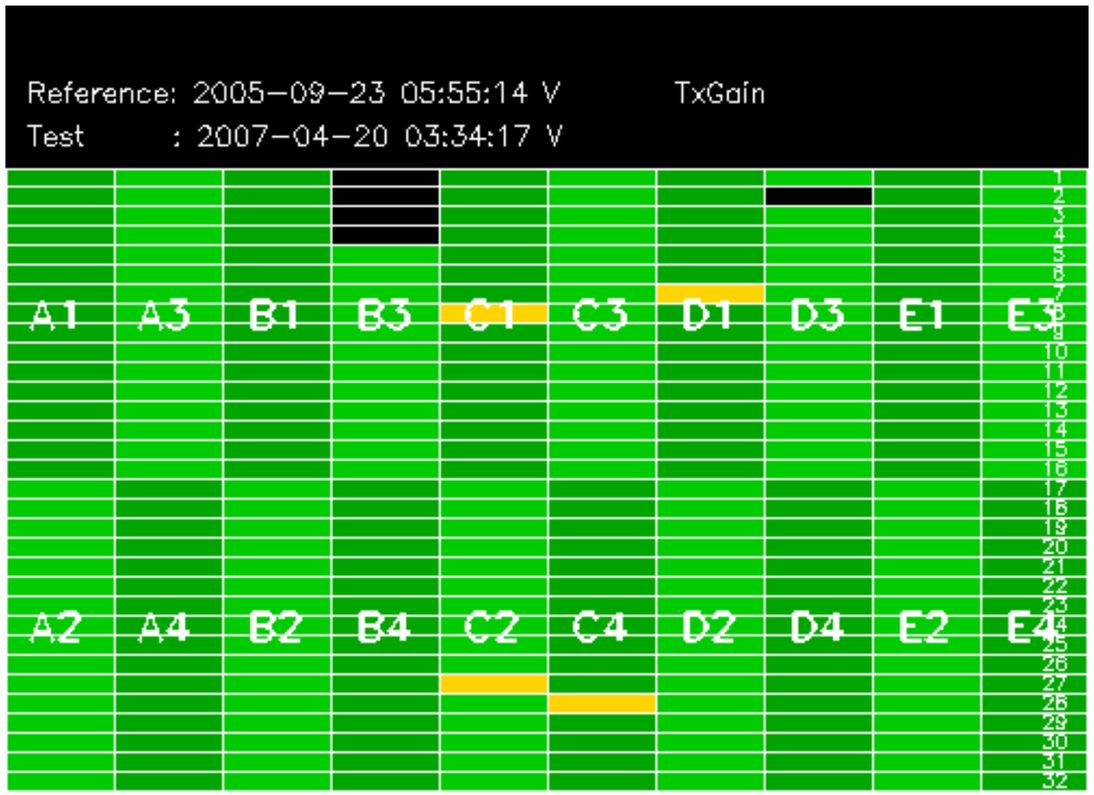

SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06–Apr
11–Apr
16–Apr

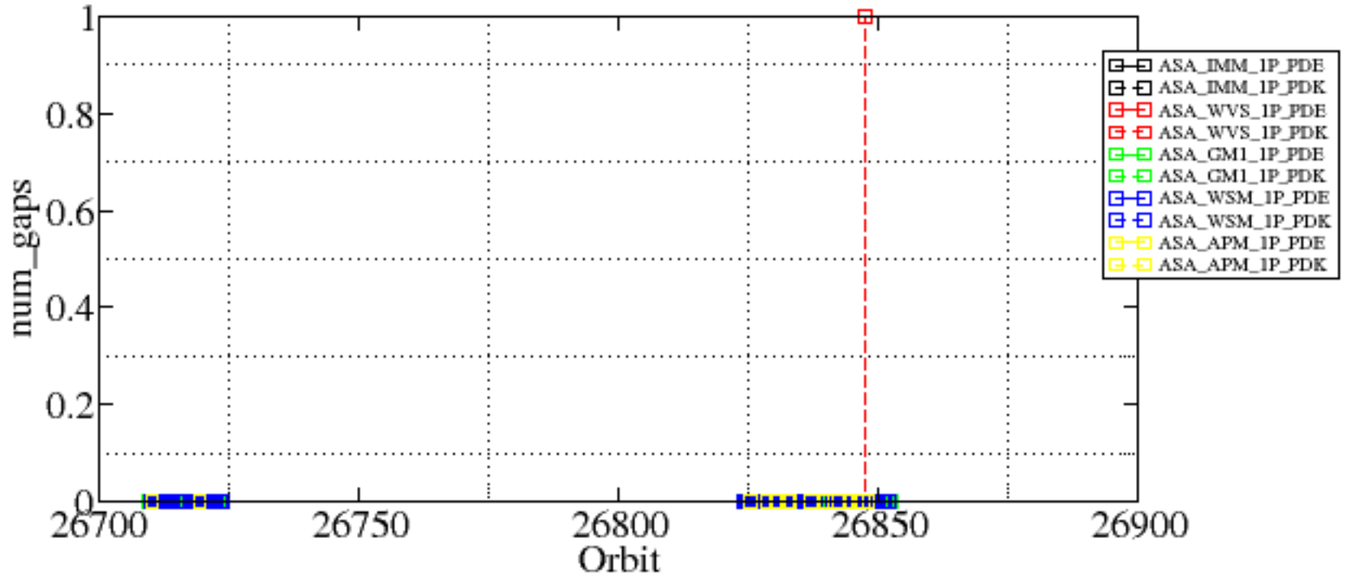

Reference: 2001-02-09 13:50:42 H
Test : 2007-04-19 04:05:54 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

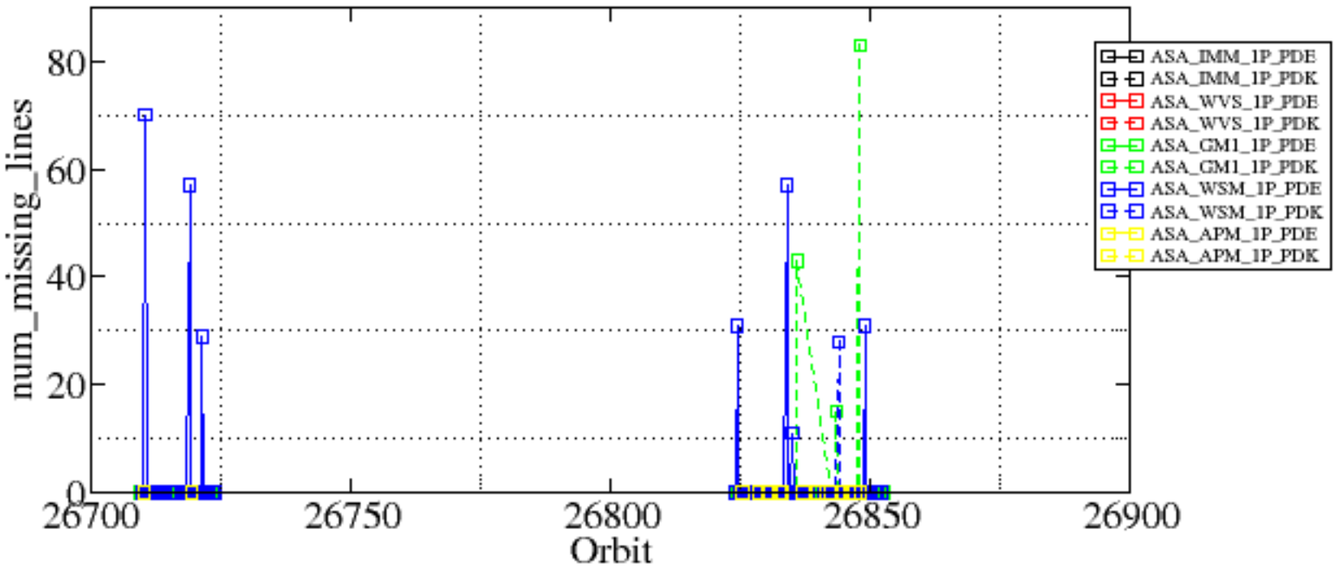

Reference: 2005-09-22 06:26:51 H
Test : 2007-04-19 04:05:54 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

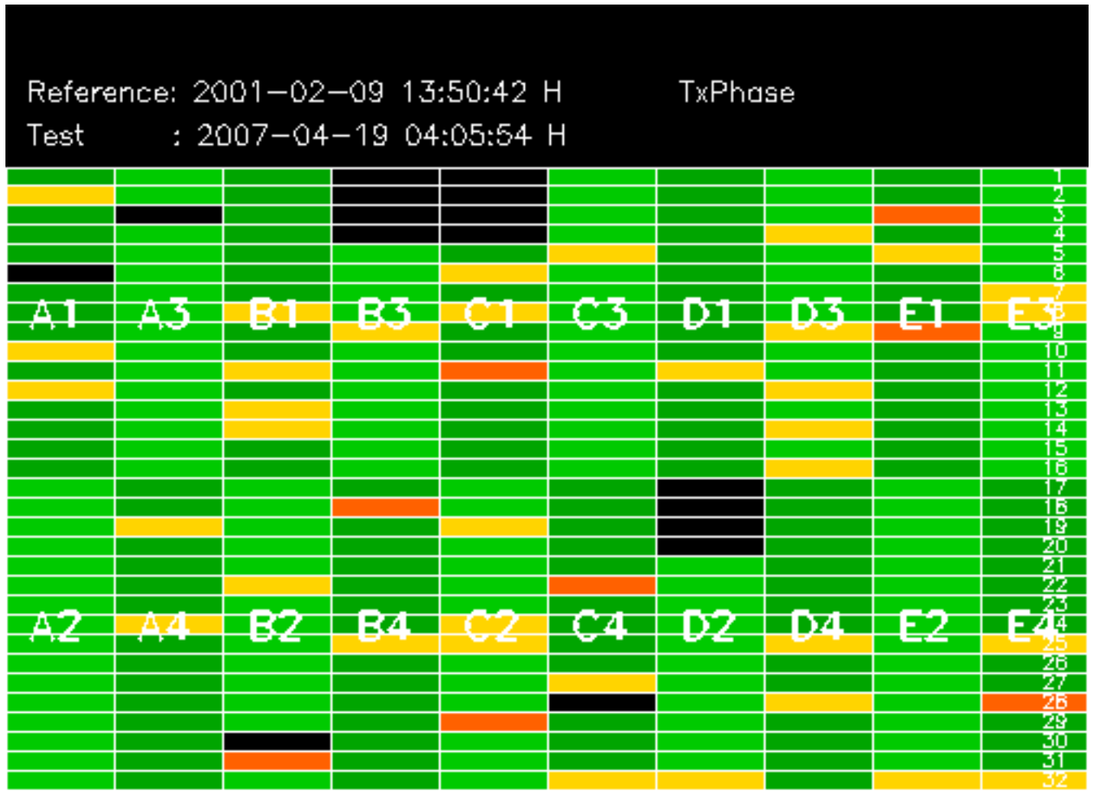

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

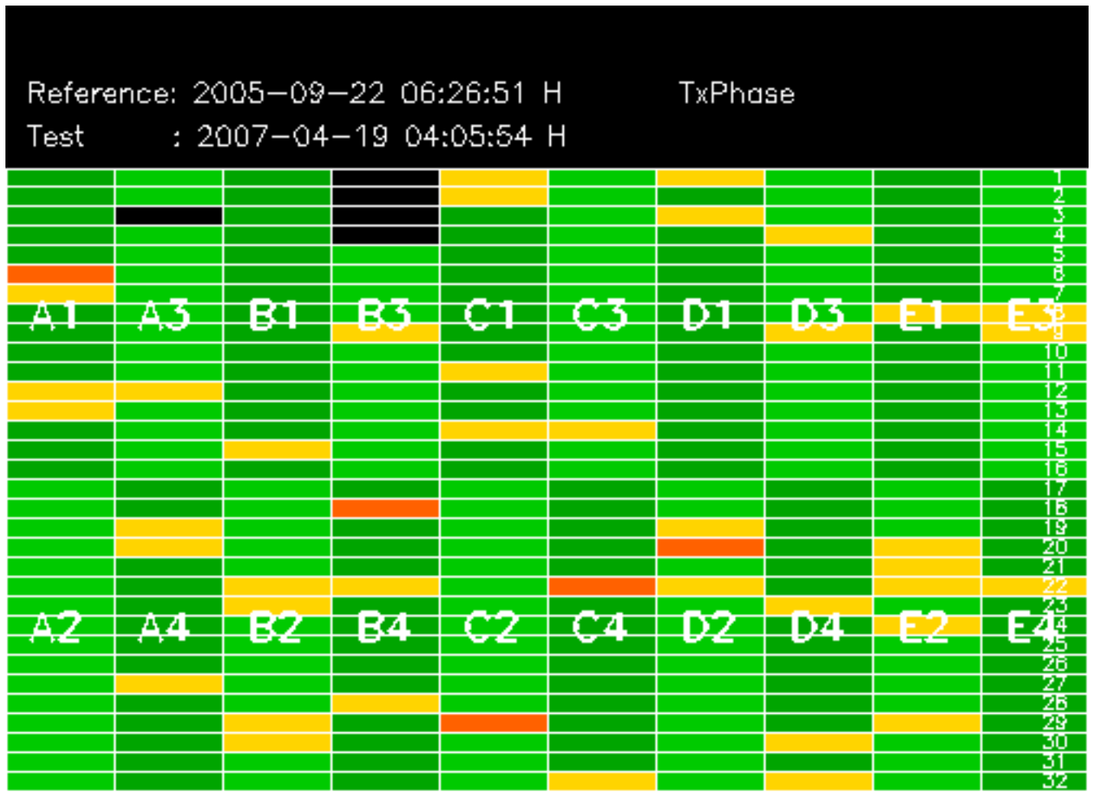

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

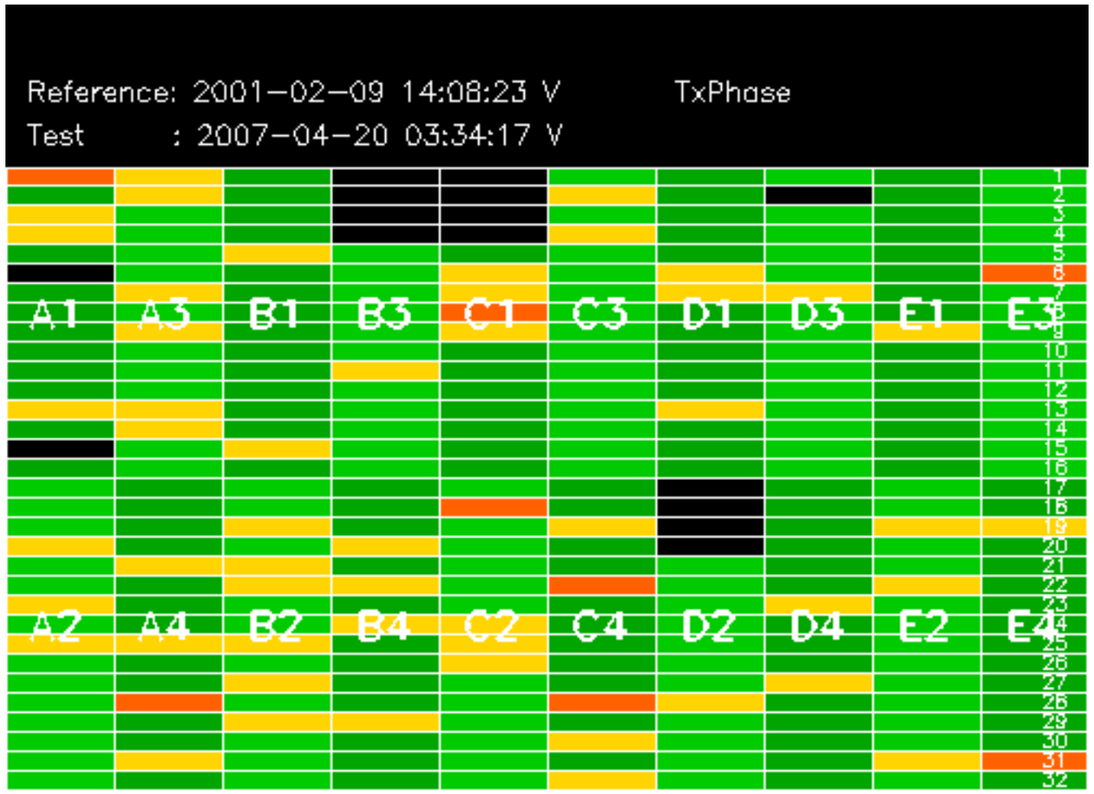
Summary of analysis for the last 3 days 2007041[890]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WVS_1PNPDK20070419_152704_000000002057_00240_26847_4810.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070418_201215_000007792057_00228_26835_3683.N1 </td> <td>0 </td> <td>43 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070419_084758_000003142057_00236_26843_3962.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070419_162807_000000842057_00241_26848_4931.N1 </td> <td>0 </td> <td>83 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070410_014454_000000862057_00103_26710_5921.N1 </td> <td>0 </td> <td>70 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070410_161135_000002202057_00112_26719_6447.N1 </td> <td>0 </td> <td>57 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070410_201138_000000672057_00114_26721_6605.N1 </td> <td>0 </td> <td>29 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070418_005604_000000852057_00217_26824_6083.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070418_165614_000001522057_00227_26834_6862.N1 </td> <td>0 </td> <td>57 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070418_184029_000002312057_00228_26835_6864.N1 </td> <td>0 </td> <td>11 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070419_180903_000001762057_00242_26849_8216.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070419_094719_000000852057_00237_26844_4060.N1 </td> <td>0 </td> <td>28 </td></tr>
</table>

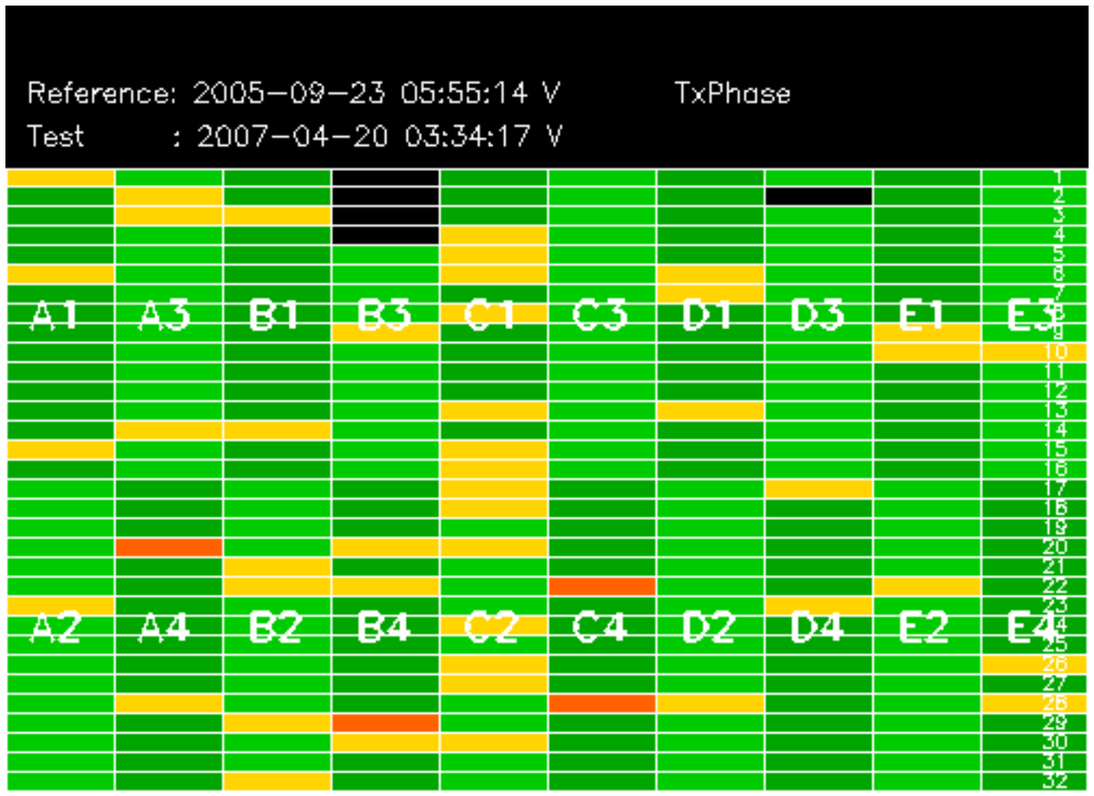

num_gaps
1
0.8
0.6
0.4
0.2
0
26700
26750
26800
26850
26900
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

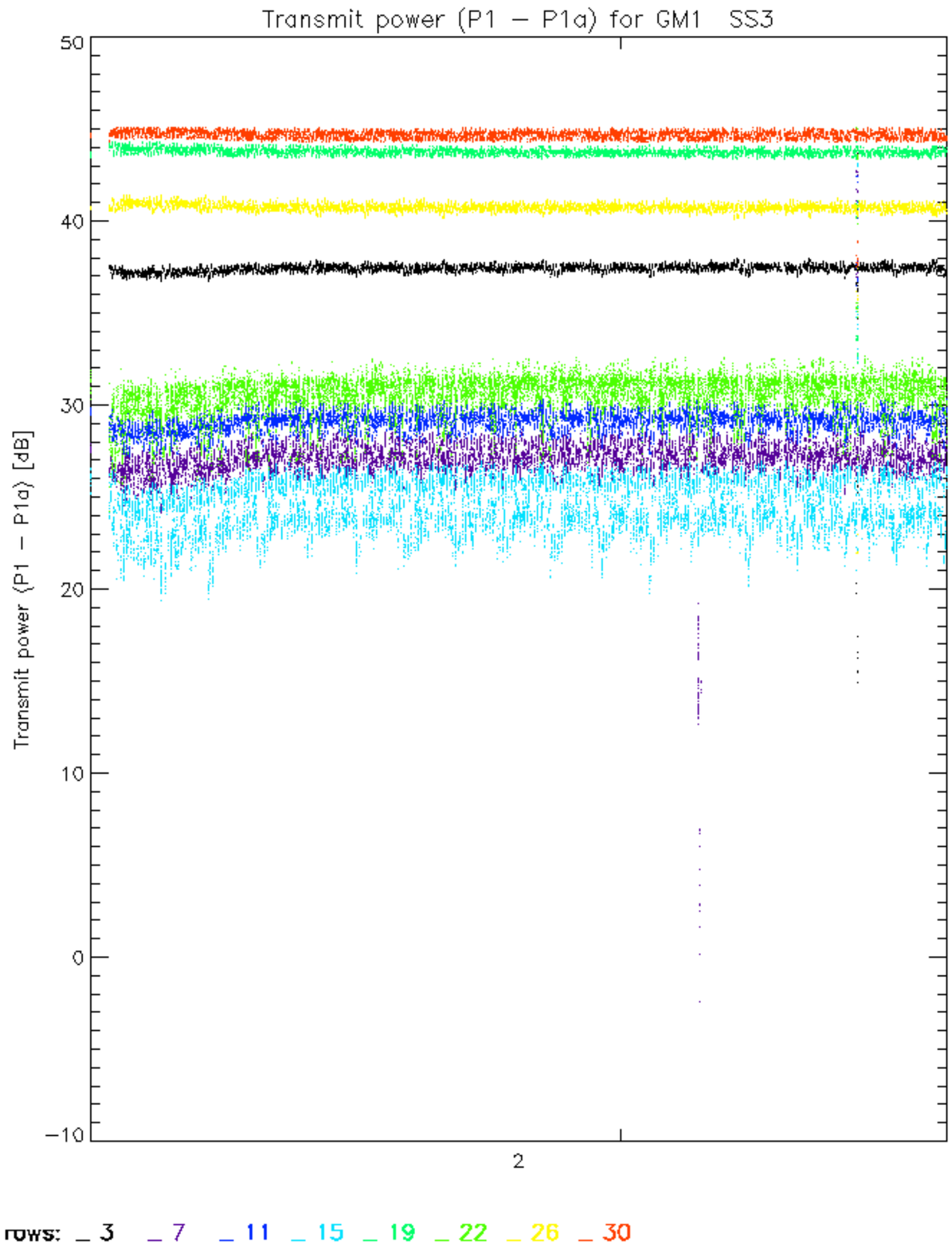

num_missing_lines
80
60
40
20
0
26700
26750
26800
26850
26900
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

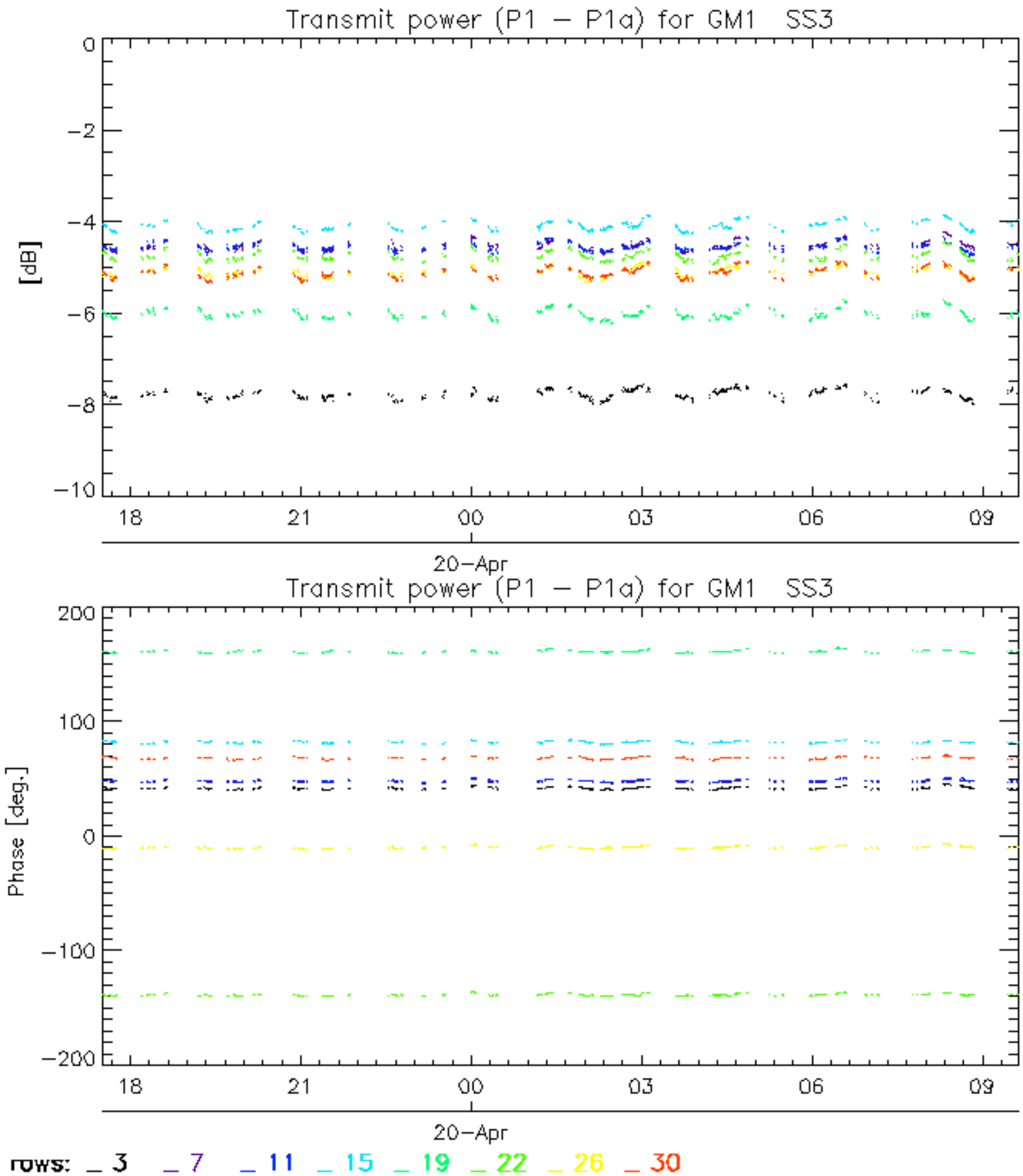

Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

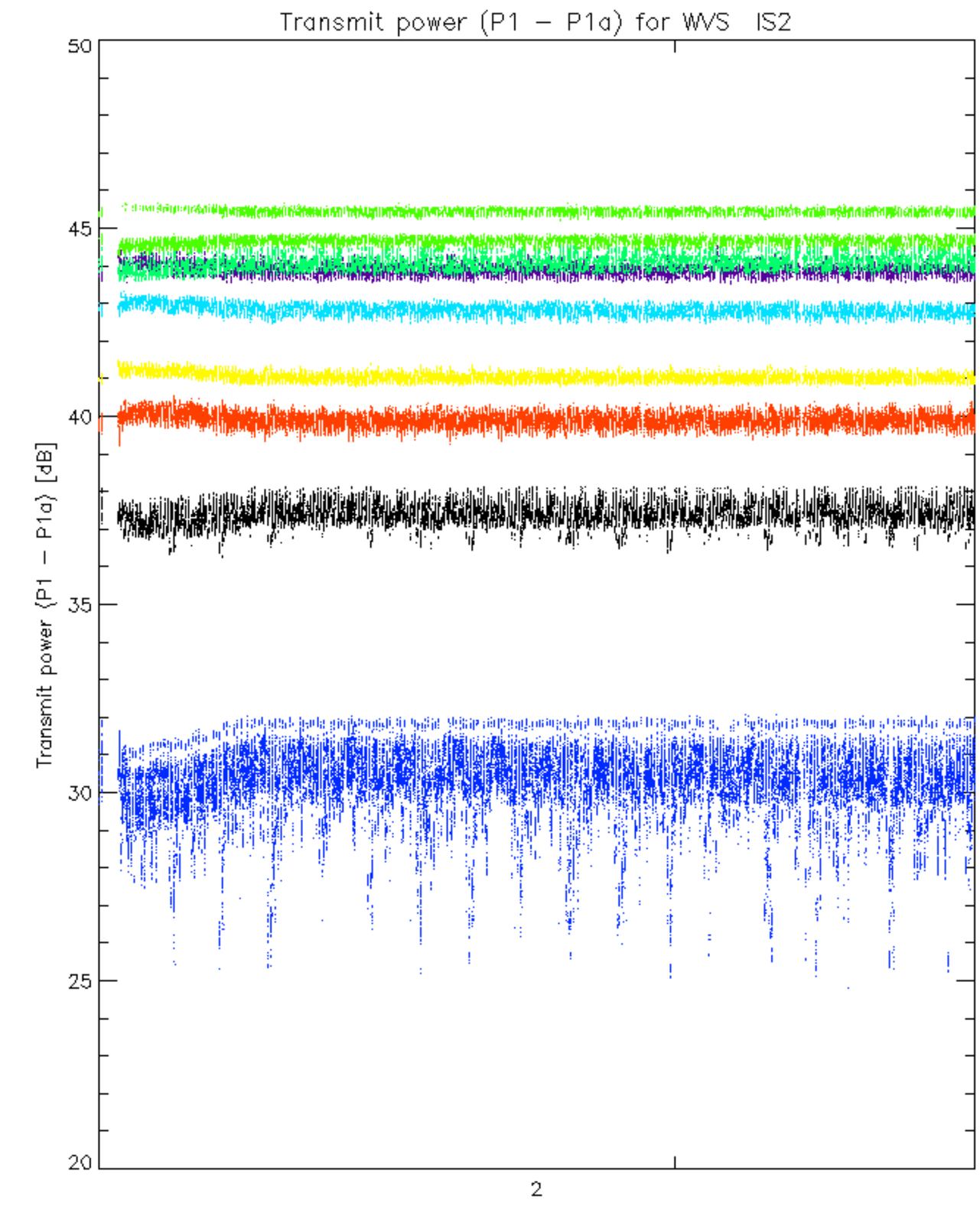

Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

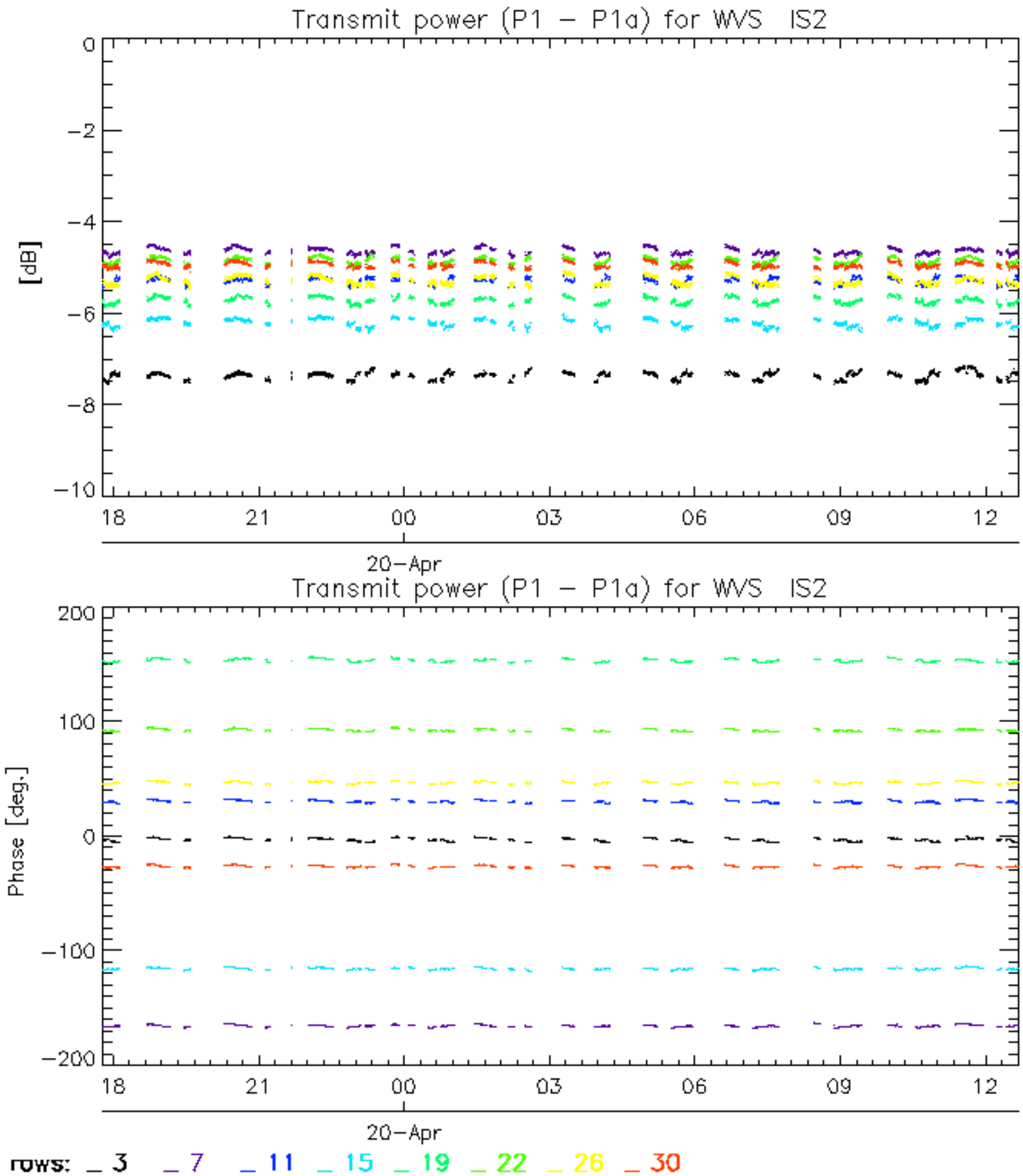

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
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
20−Apr
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
20−Apr
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
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
[dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
12
20−Apr
Transmit power (P1 – P1a) for WVS IS2
Phase [deg.]
200
100
0
−100
−200
18
21
00
03
06
09
12
20−Apr
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.