PRELIMINARY REPORT OF 070421

last update on Sat Apr 21 18:17:51 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 2007-04-20 00:00:00 to 2007-04-21 18:17:51

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	34	70	3	2	29
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	34	70	3	2	29
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	34	70	3	2	29
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	34	70	3	2	29

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	45	58	28	9	77
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	45	58	28	9	77
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	58	28	9	77
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	58	28	9	77

2.3 - Browse Visual Inspection

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20070420 033417
H	20070421 030240

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
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P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.059333	0.149418	-0.019569
7	P1a	-17.540623	0.115583	-0.036676
11	P1a	-17.403868	0.322761	-0.667499
15	P1a	-12.961507	0.103285	-0.390354
19	P1a	-15.299715	0.067407	-0.392746
22	P1a	-15.880778	0.415983	-0.614663
26	P1a	-15.073274	0.194013	0.513572
30	P1a	-17.627947	0.293740	-0.705319

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.762349	0.010812	-0.032625
7	P1	-3.145672	0.008878	-0.004808
11	P1	-4.207720	0.012273	-0.018860
15	P1	-6.391891	0.018524	-0.125378
19	P1	-3.789166	0.009987	0.050076
22	P1	-4.746399	0.009175	-0.056322
26	P1	-3.927310	0.018958	0.111785
30	P1	-5.969940	0.009293	0.031128

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.662279	0.090261	-0.058613
7	P2	-21.573904	0.086335	0.114986
11	P2	-15.380304	0.113318	0.202604
15	P2	-7.124298	0.087392	-0.019775
19	P2	-9.118554	0.078329	0.046237
22	P2	-18.089039	0.075469	0.006550
26	P2	-16.610088	0.078894	-0.039466
30	P2	-19.285017	0.081443	0.021409

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245119	0.005261	-0.016330
7	P3	-8.245119	0.005261	-0.016330
11	P3	-8.245119	0.005261	-0.016330
15	P3	-8.245119	0.005261	-0.016330
19	P3	-8.245119	0.005261	-0.016330
22	P3	-8.245119	0.005261	-0.016330
26	P3	-8.245119	0.005261	-0.016330
30	P3	-8.245119	0.005261	-0.016330

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	-11.194930	0.171152	-0.176337
7	P1a	-10.071875	0.270912	-0.116270
11	P1a	-10.693668	0.125380	0.047994
15	P1a	-10.855457	0.184881	-0.007768
19	P1a	-15.790756	0.097093	-0.039385
22	P1a	-21.348446	1.443948	-0.844008
26	P1a	-15.482833	0.383089	-0.445238
30	P1a	-18.326279	0.473171	0.477239

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.453869	0.067276	-0.025305
7	P1	-2.421153	0.158350	-0.037161
11	P1	-2.897236	0.031246	0.054182
15	P1	-3.825407	0.041710	0.041740
19	P1	-3.585306	0.014888	-0.019754
22	P1	-4.980606	0.023521	0.101611
26	P1	-6.032938	0.032003	-0.050975
30	P1	-5.336879	0.035833	-0.035536

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.169695	0.067049	-0.092796
7	P2	-22.033993	0.256625	-0.022570
11	P2	-10.633903	0.047382	-0.053207
15	P2	-4.916727	0.039206	-0.152329
19	P2	-6.870847	0.037541	-0.099244
22	P2	-8.119085	0.116715	-0.099895
26	P2	-24.317921	0.189602	-0.020743
30	P2	-21.716631	0.125205	0.069936

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.092520	0.004578	-0.032232
7	P3	-8.092558	0.004592	-0.031762
11	P3	-8.092355	0.004592	-0.032584
15	P3	-8.092271	0.004590	-0.032141
19	P3	-8.092407	0.004615	-0.031456
22	P3	-8.092401	0.004571	-0.031347
26	P3	-8.092439	0.004586	-0.031539
30	P3	-8.092353	0.004582	-0.031835

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000540366
	stdev	2.04857e-07
MEAN Q	mean	0.000490295
	stdev	2.45099e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135324
	stdev	0.00123593
STDEV Q	mean	0.135717
	stdev	0.00125390

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007042[901]
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_1PNPDK20070420_201256_000004052057_00257_26864_6221.N1	0	8
ASA_GM1_1PNPDK20070420_205323_000005612057_00257_26864_6240.N1	0	90
ASA_WSM_1PNPDE20070420_141551_000000852057_00254_26861_9529.N1	0	73
ASA_WSM_1PNPDE20070420_155726_000001222057_00255_26862_9551.N1	0	2
ASA_WSM_1PNPDE20070421_010149_000001412057_00260_26867_0194.N1	0	31
ASA_WSM_1PNPDE20070421_051735_000002012057_00263_26870_0558.N1	0	45

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

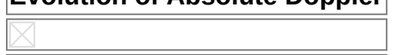
Evolution of unbiased Doppler error (Real - Expected)

Acsending

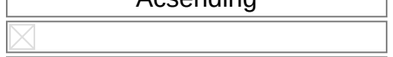
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



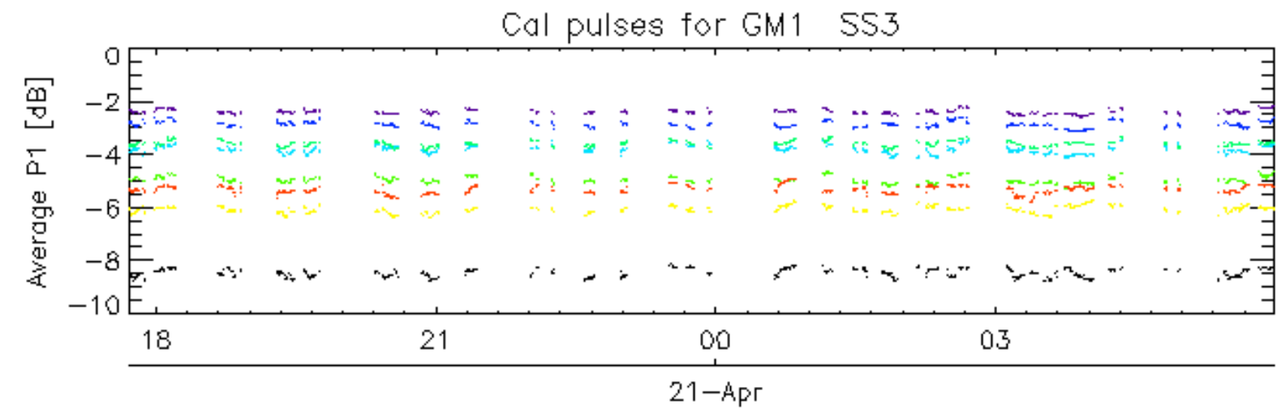
Acsending

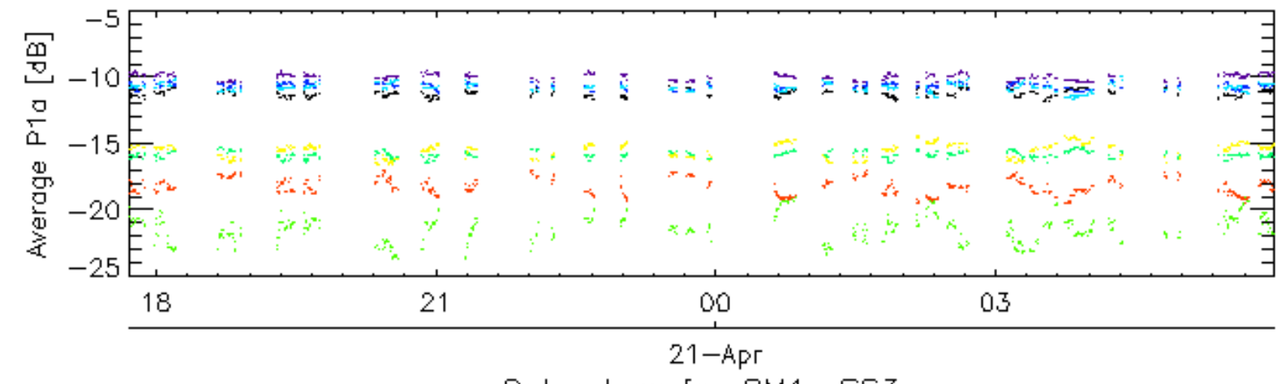


Descending

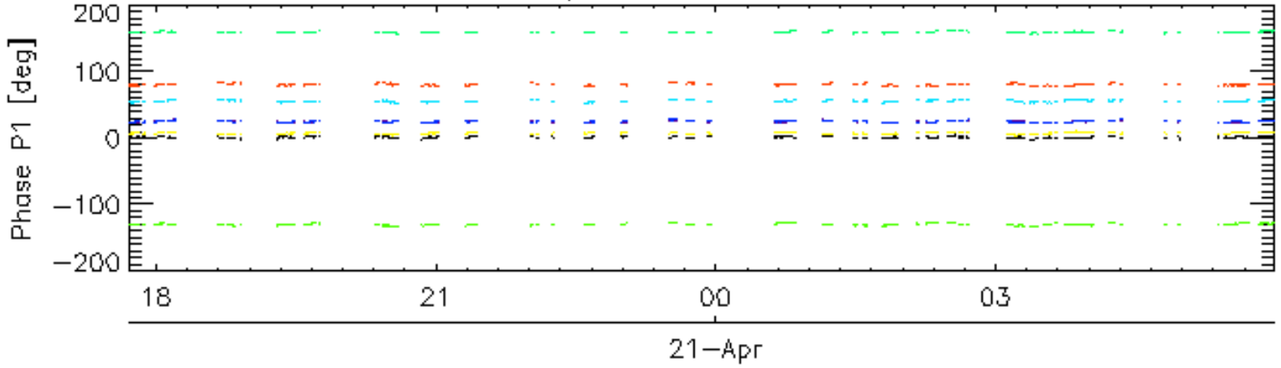
7.6 - Doppler evolution versus ANX for GM1

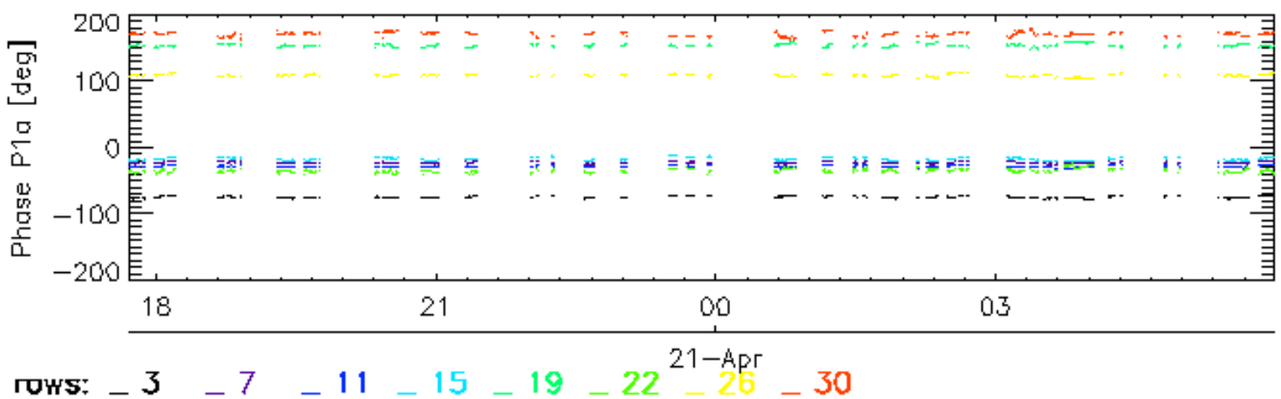
Evolution Doppler error versus ANX



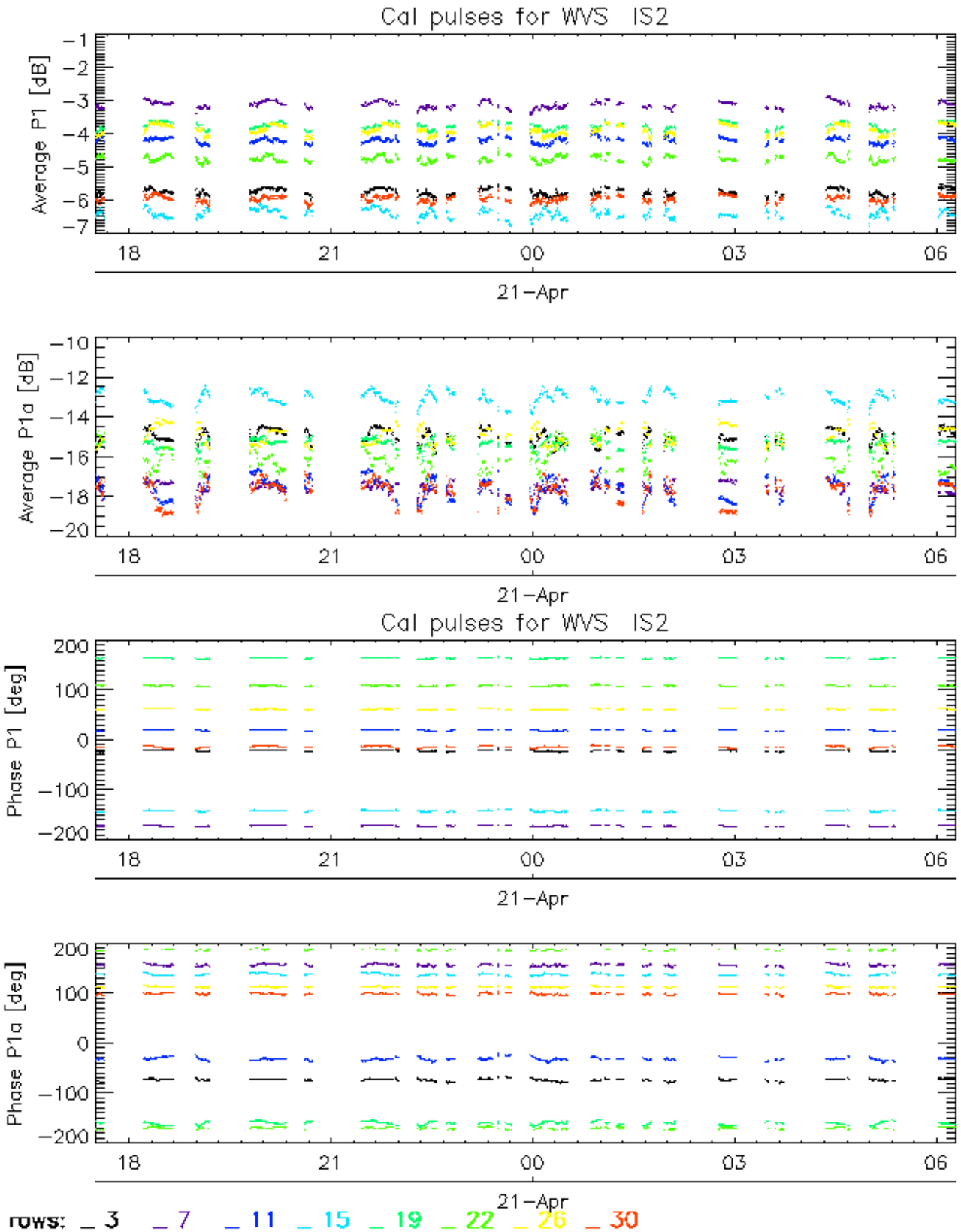


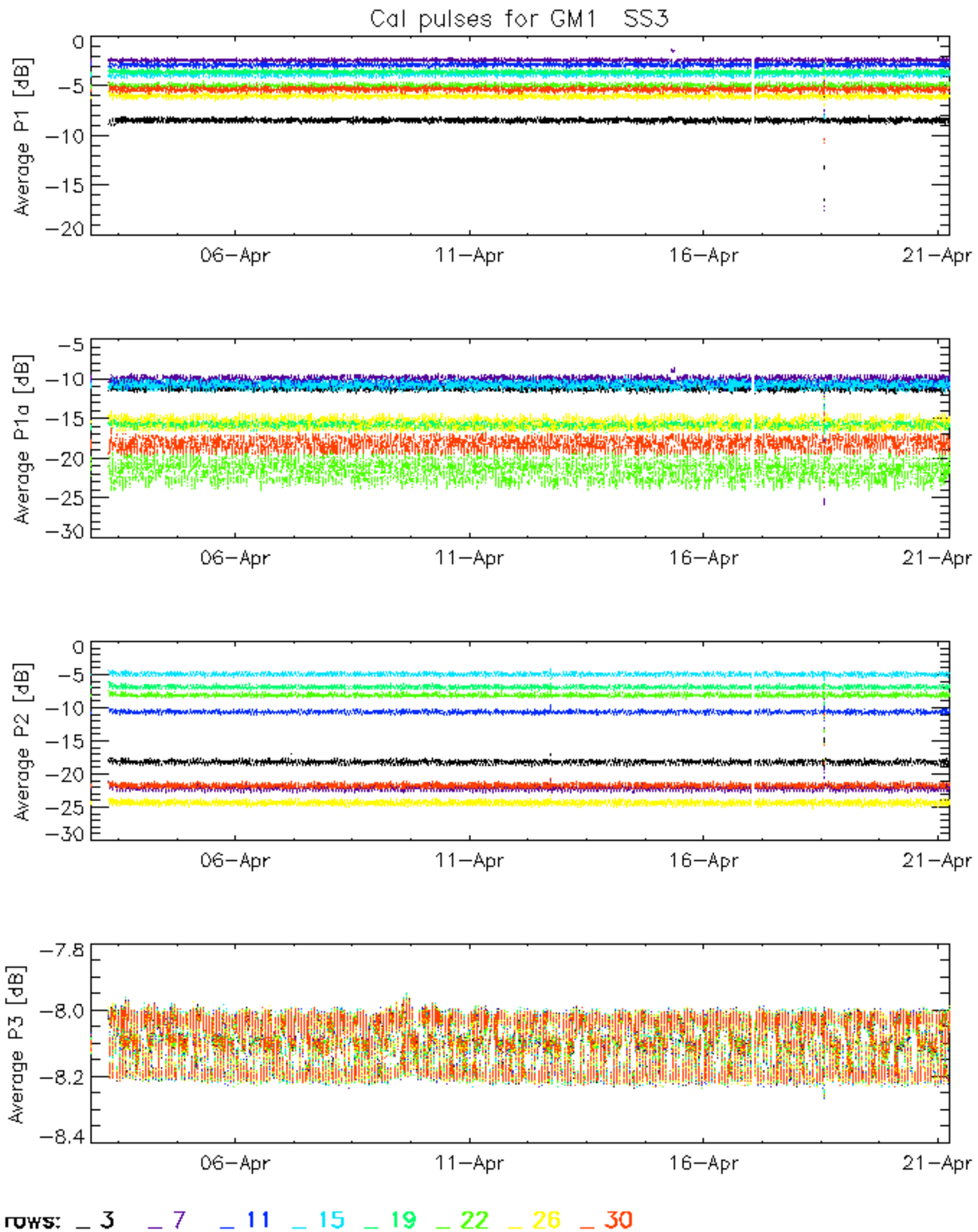
Cal pulses for GM1 SS3

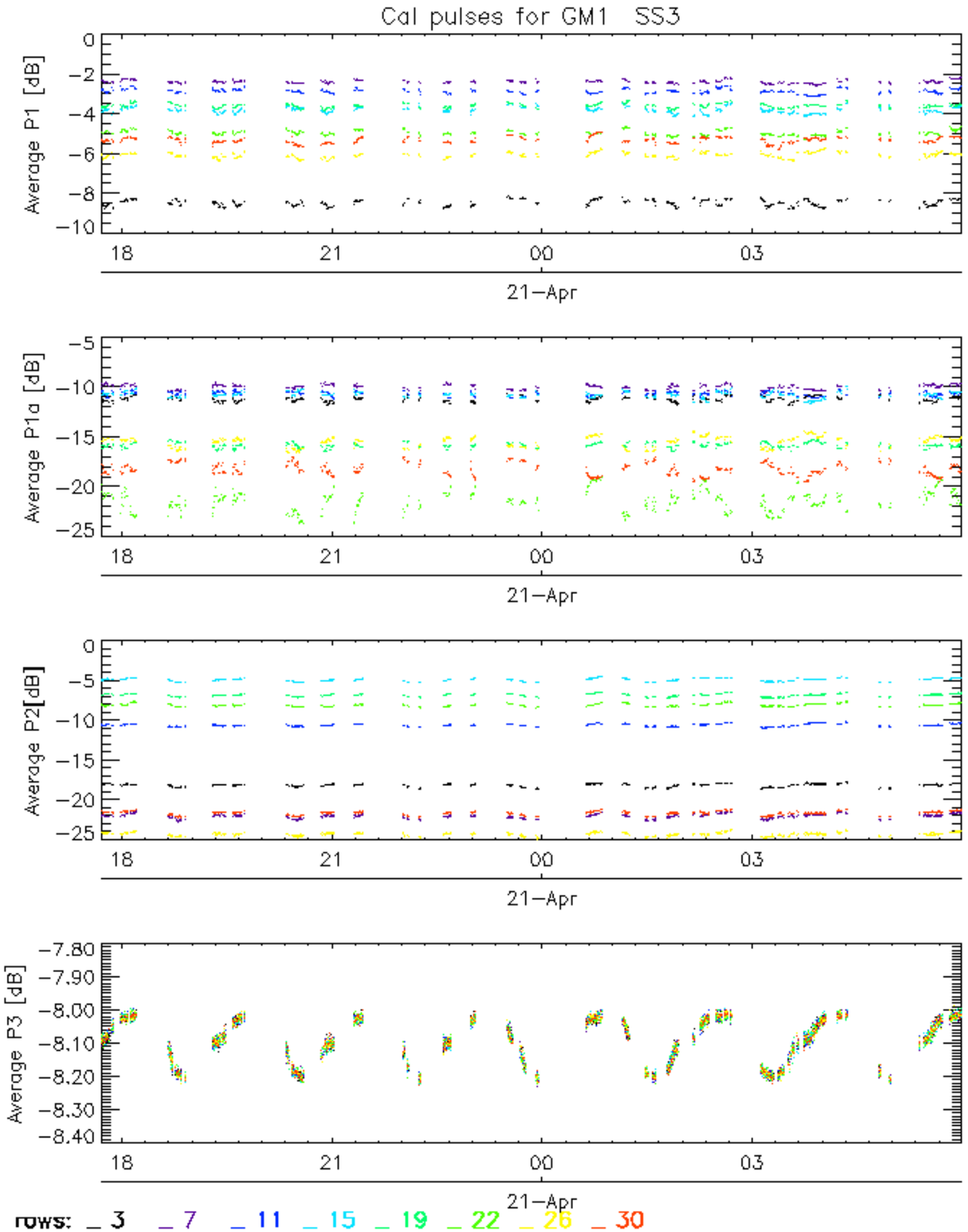


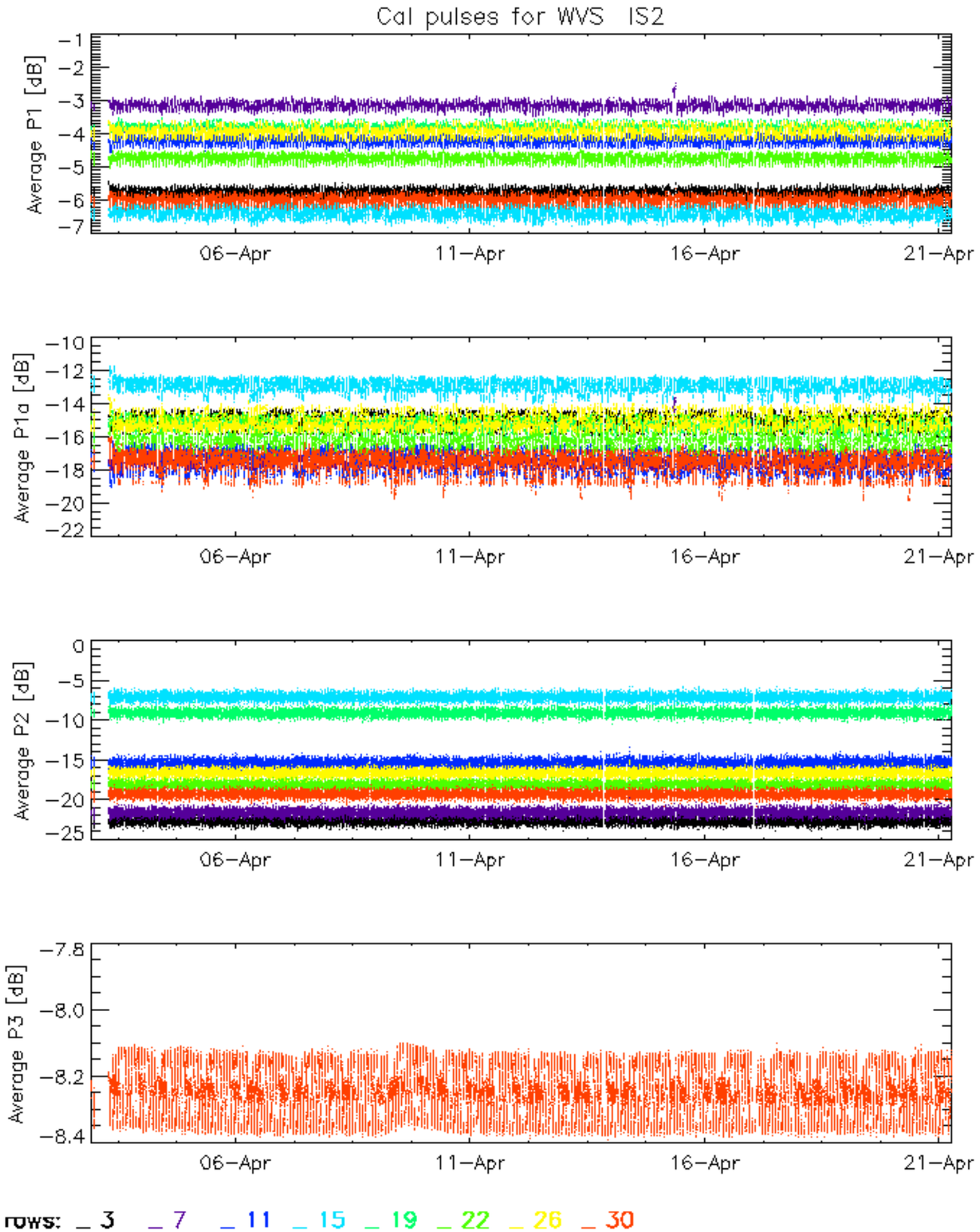


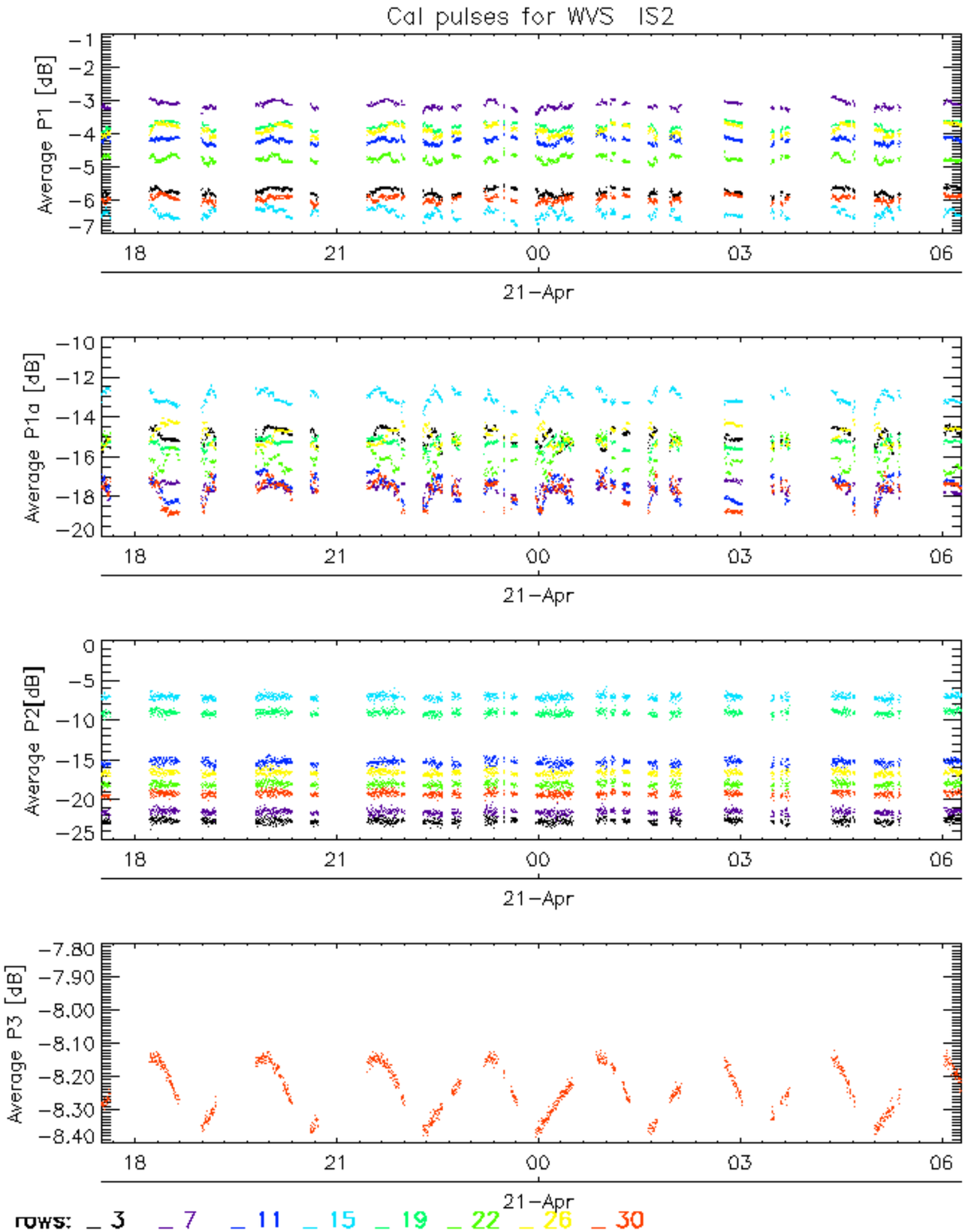
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

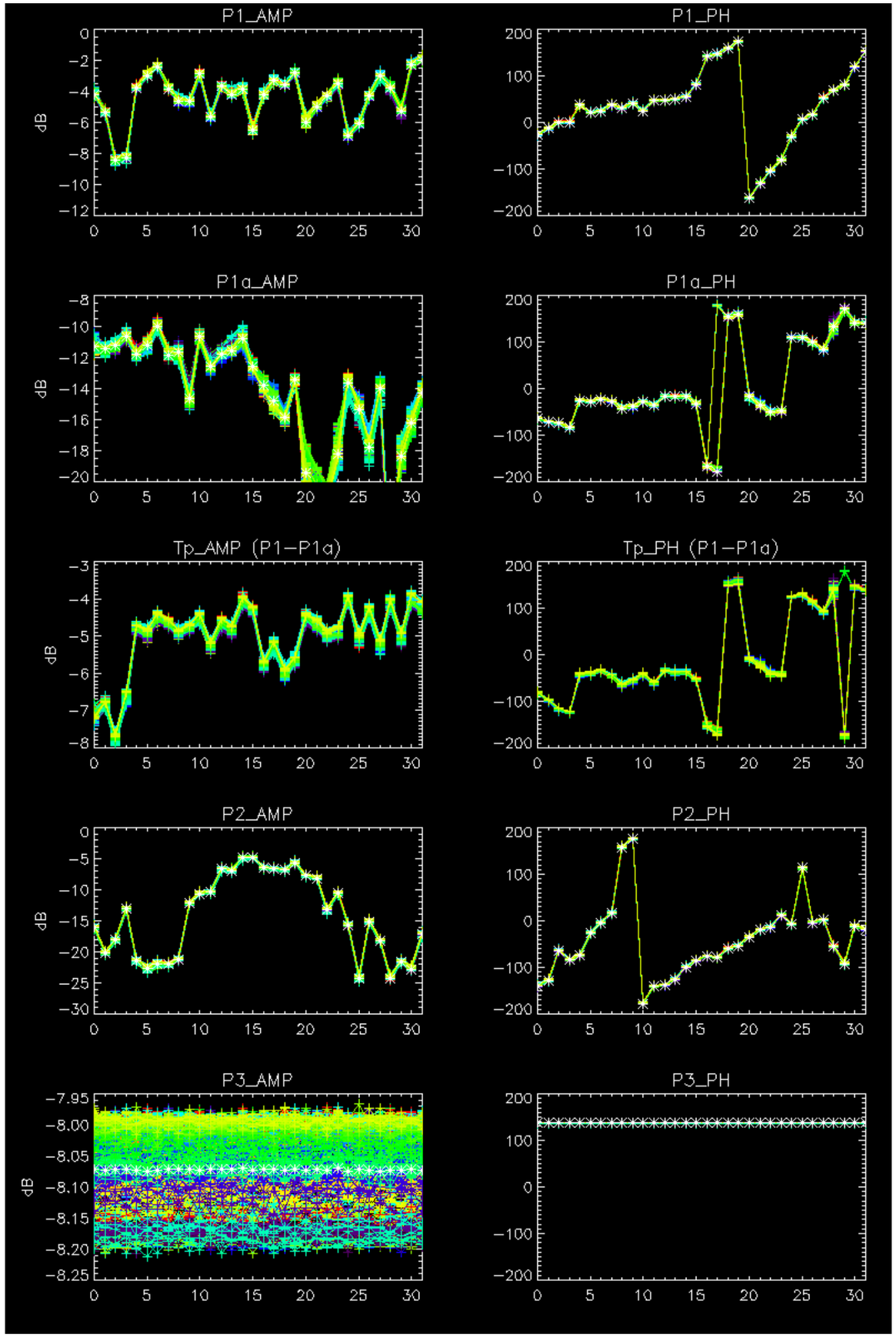

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Apr
11−Apr
16−Apr
21−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

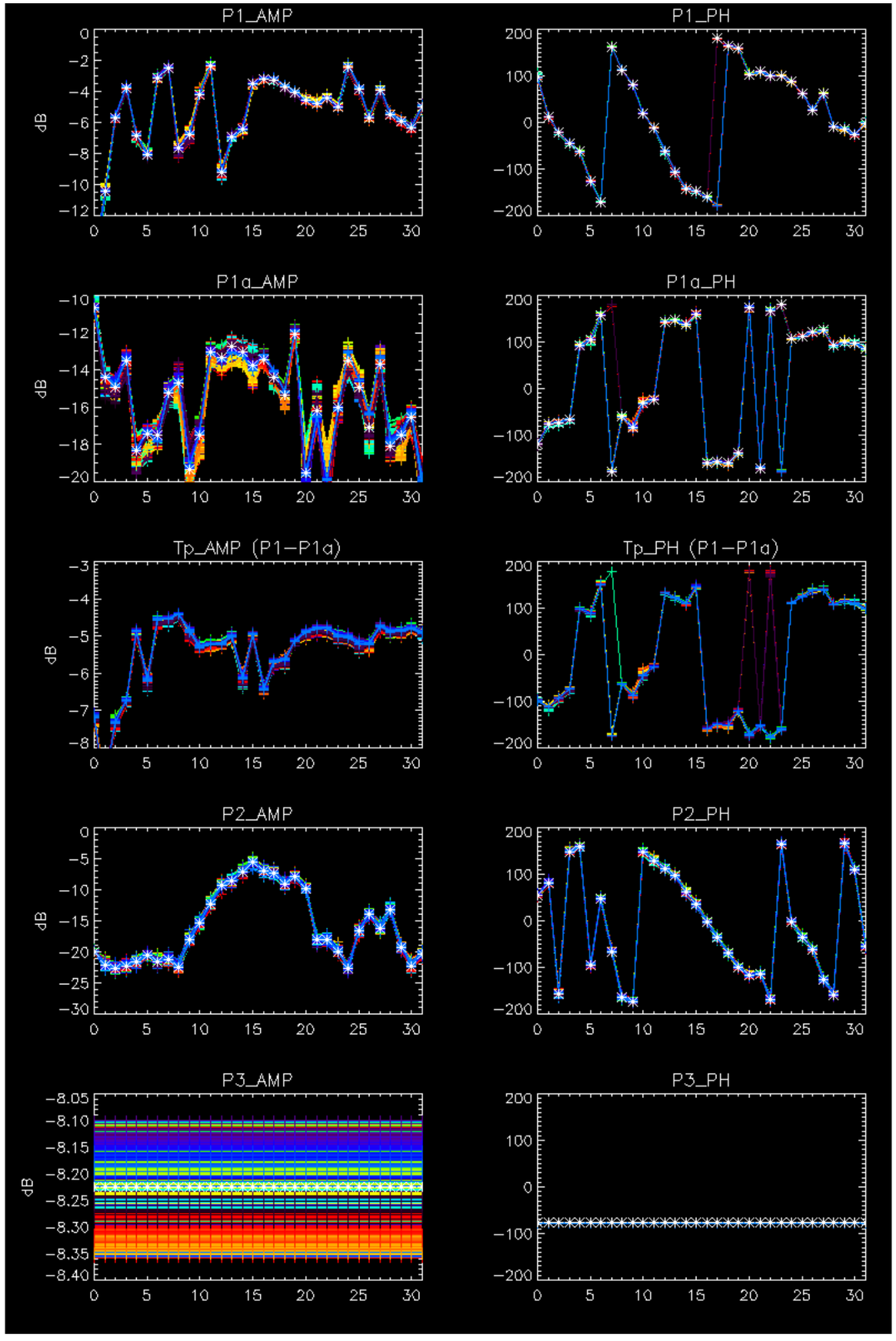

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
21−Apr
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
21−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
21−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
21−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Apr
11−Apr
16−Apr
21−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
06−Apr
11−Apr
16−Apr
21−Apr
Average P2 [dB]
0
−5
−10
−15
−20
−25
06−Apr
11−Apr
16−Apr
21−Apr
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Apr
11−Apr
16−Apr
21−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
21−Apr
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
21−Apr
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
21−Apr
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
21−Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

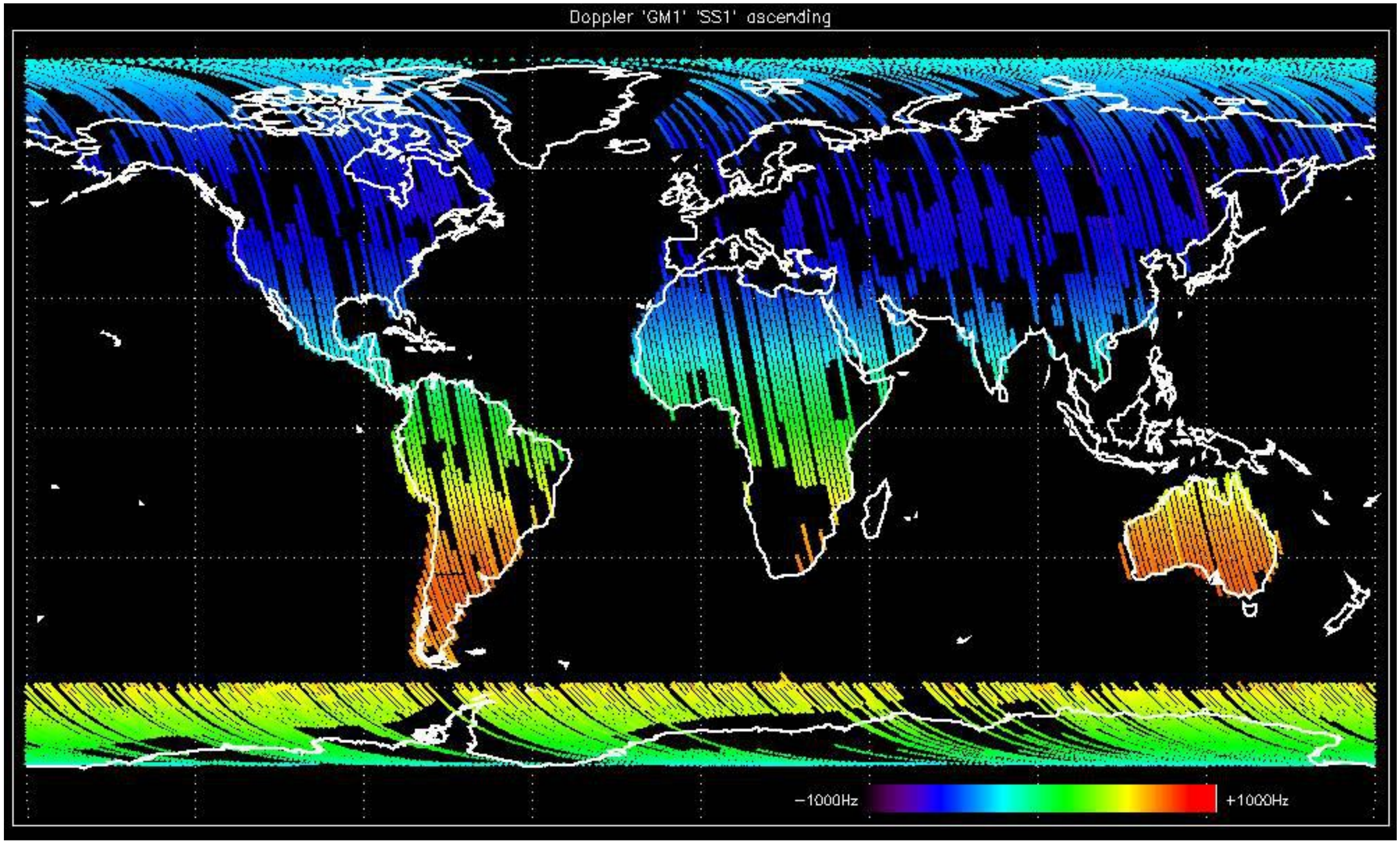
No anomalies observed.

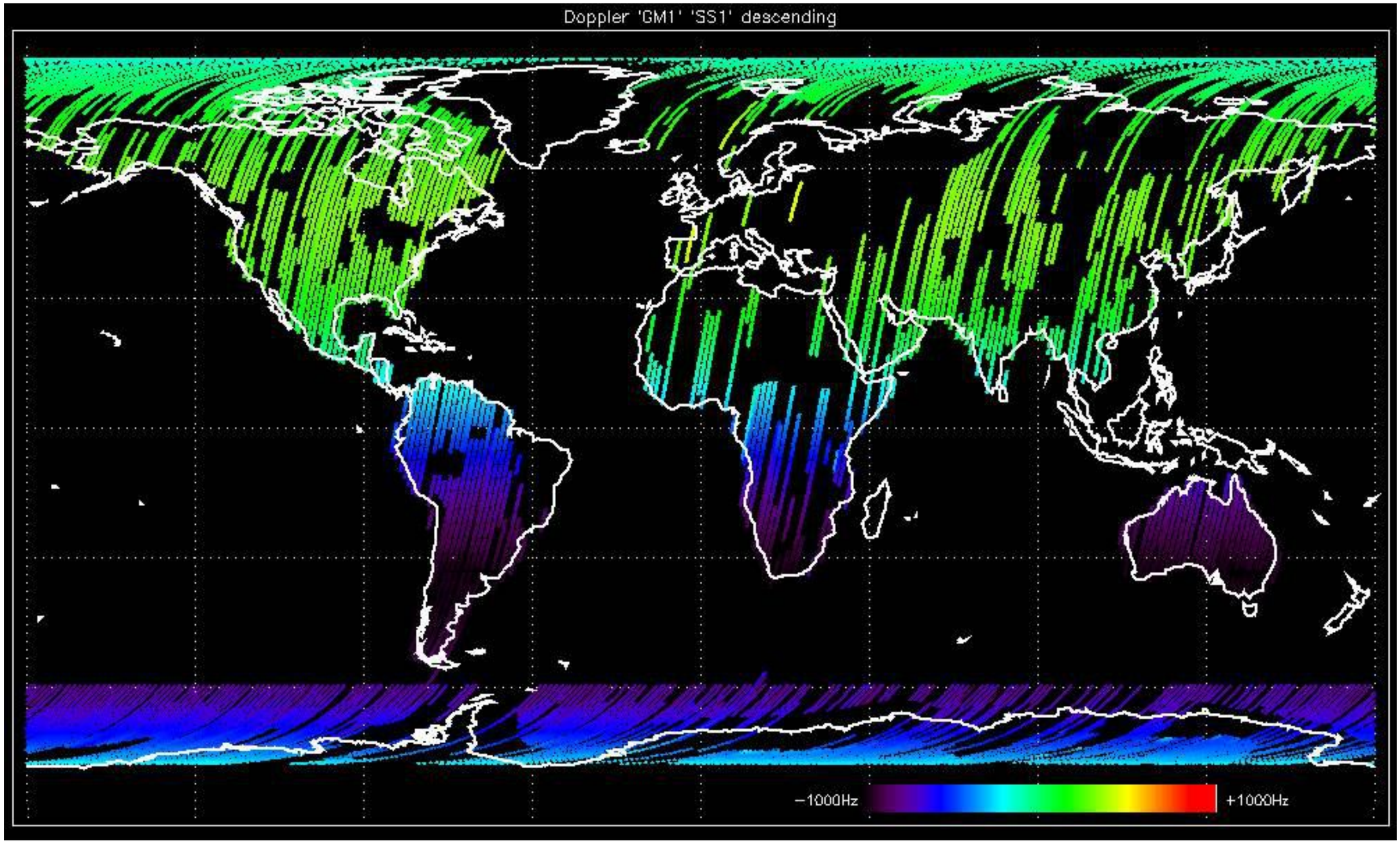

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

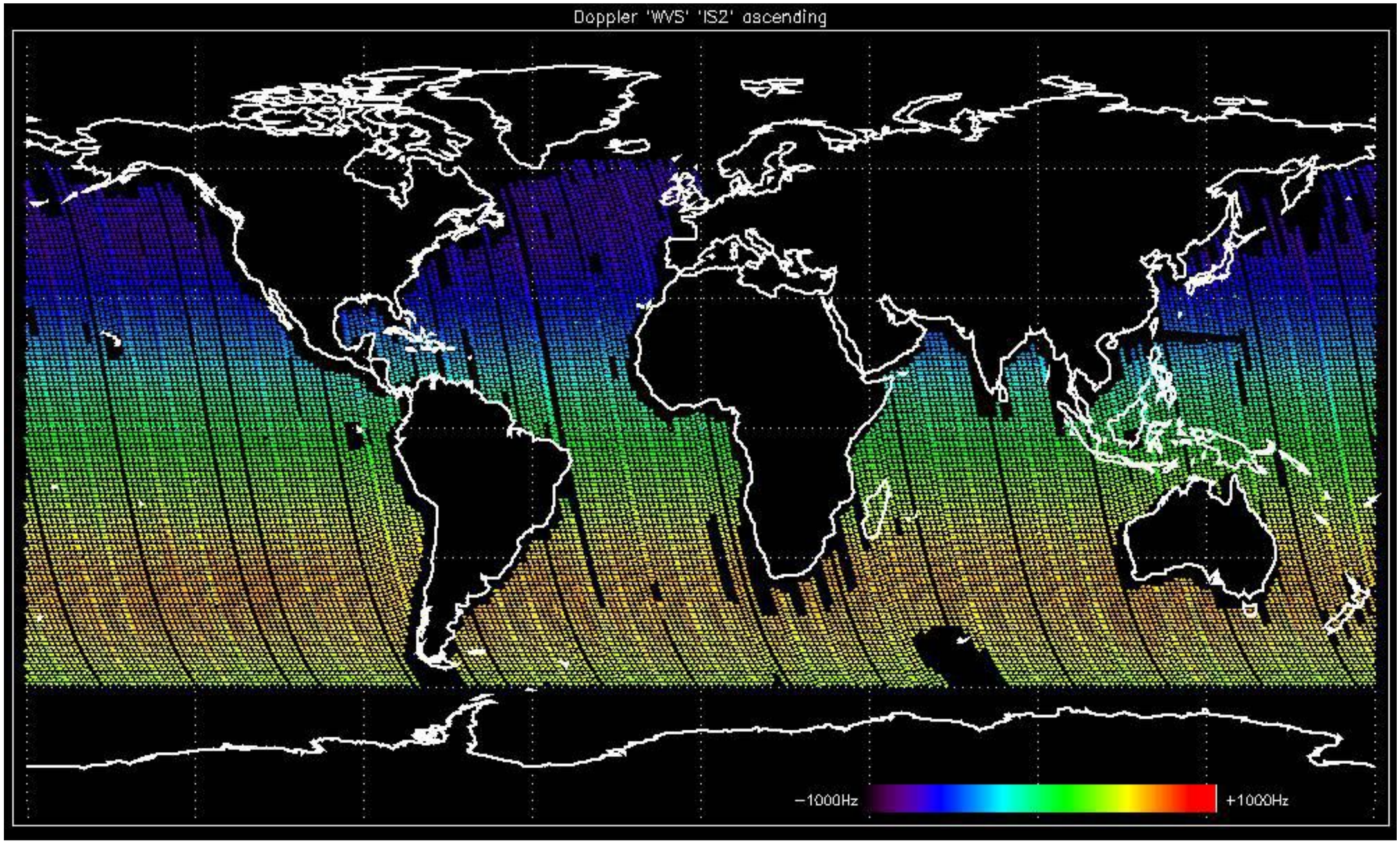

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

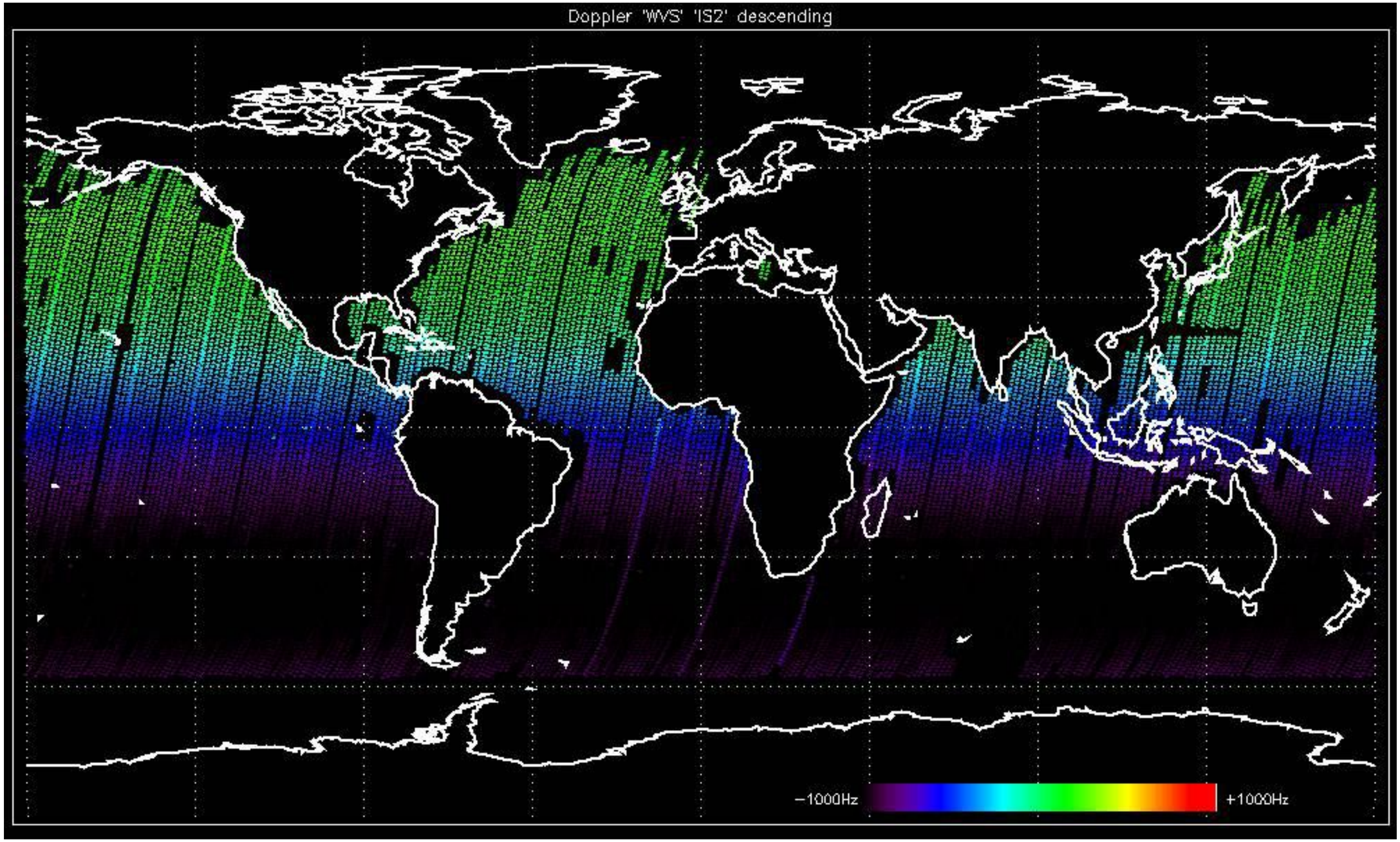
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

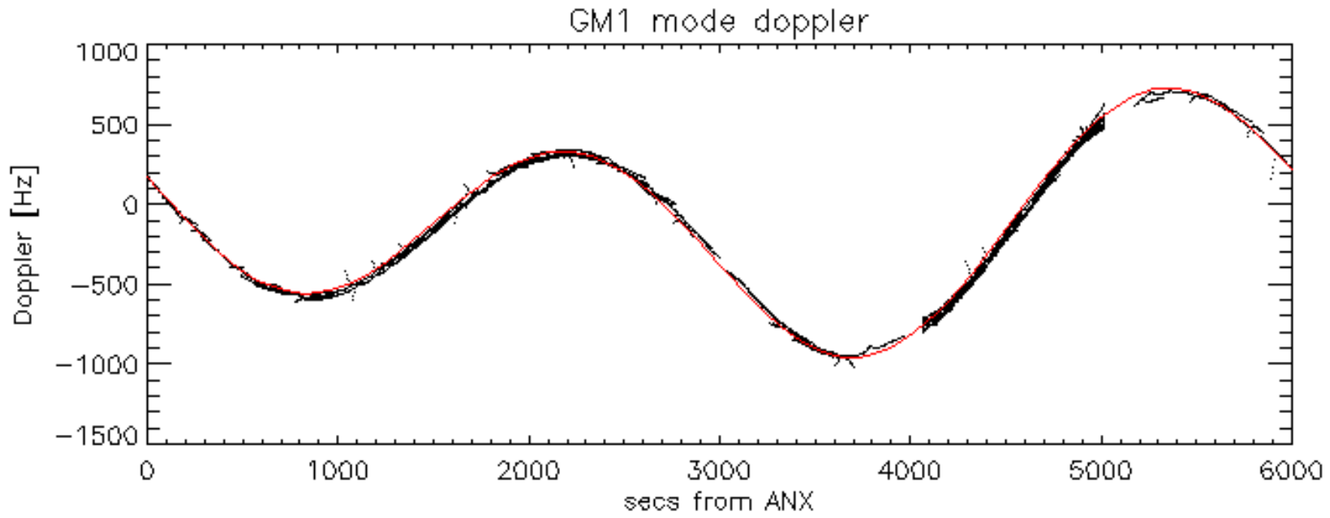
Preliminary report.The data is not yet controled

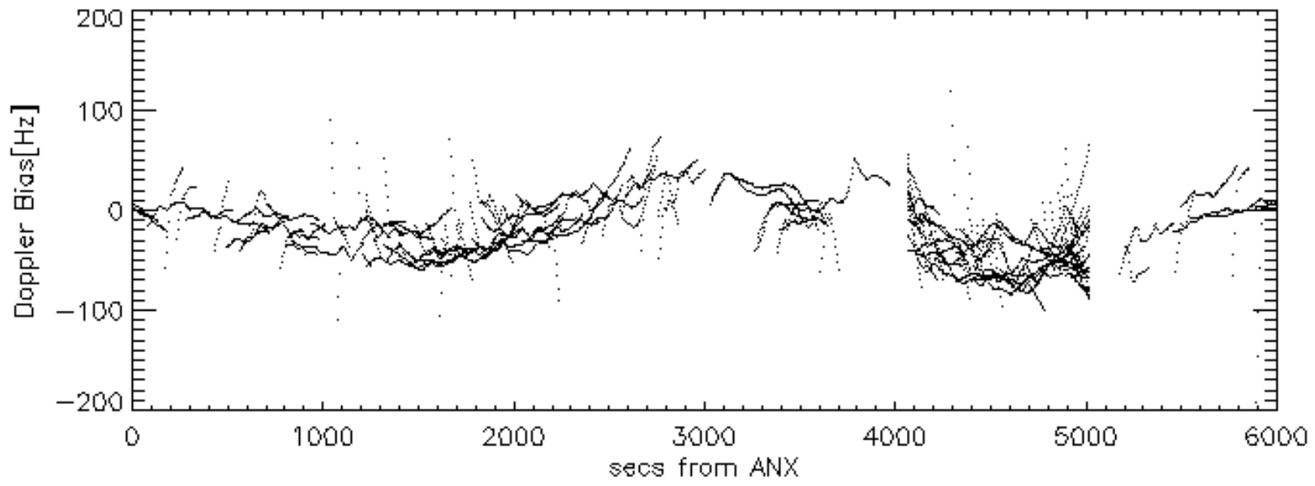

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

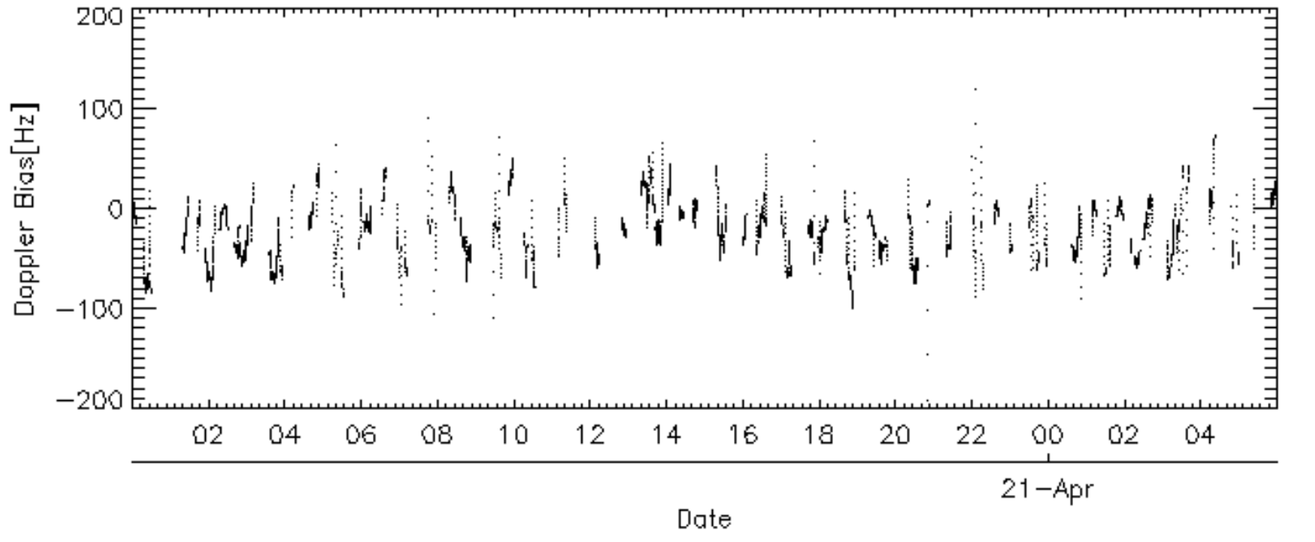

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

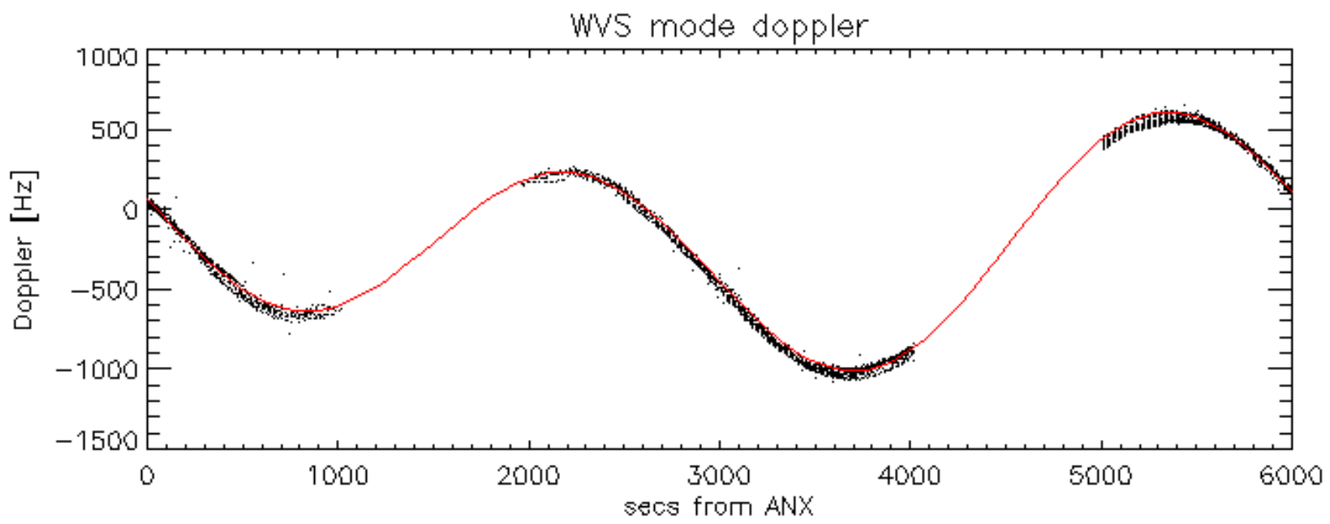

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

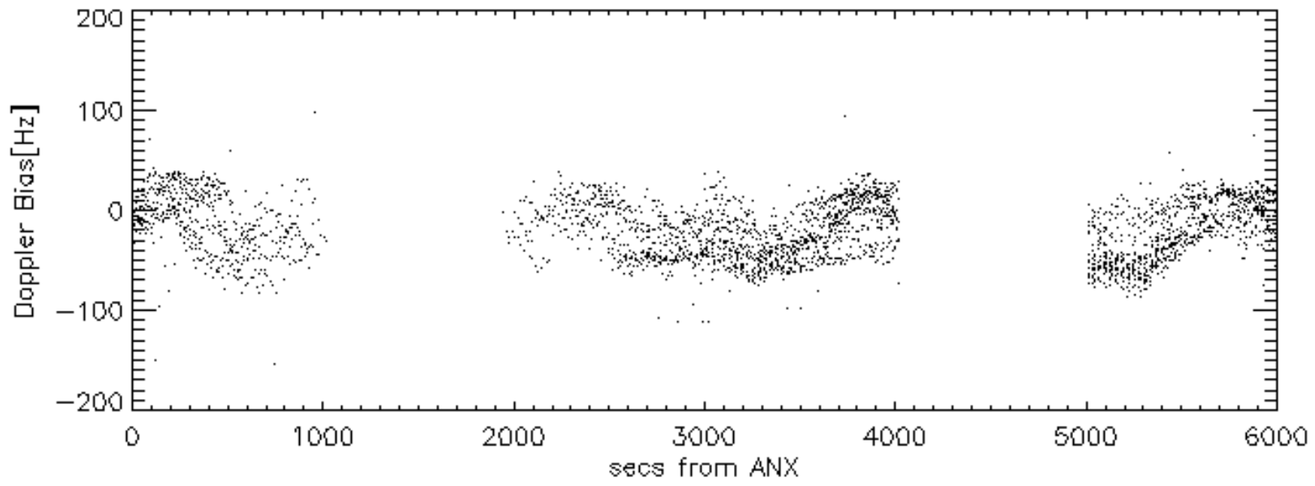

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

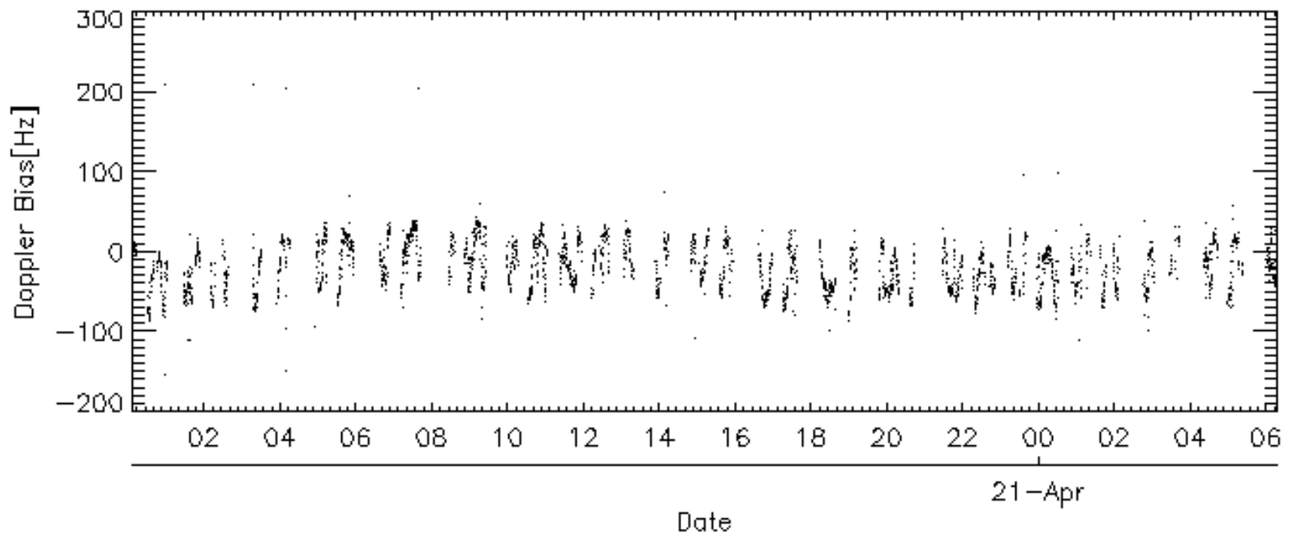

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

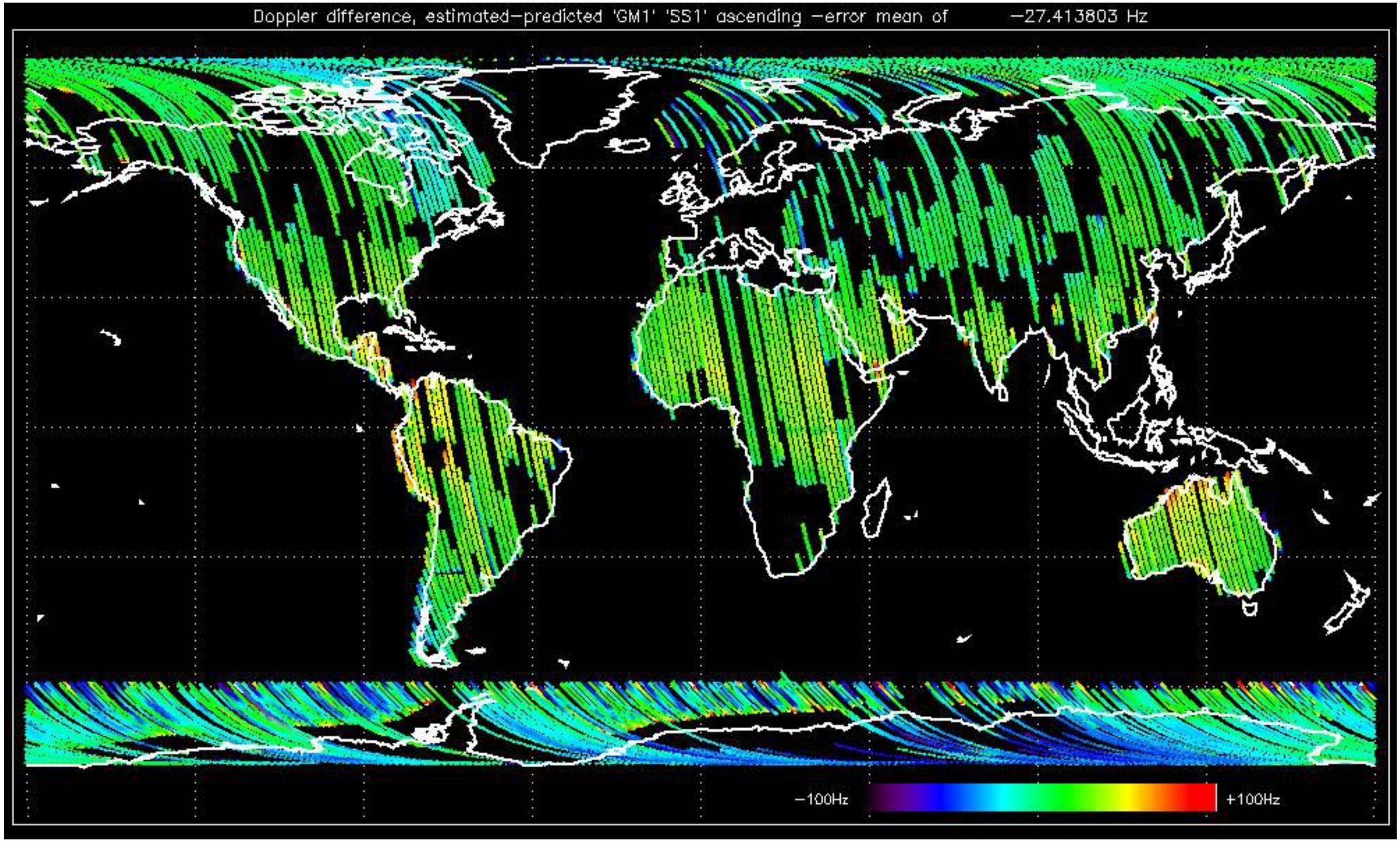

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

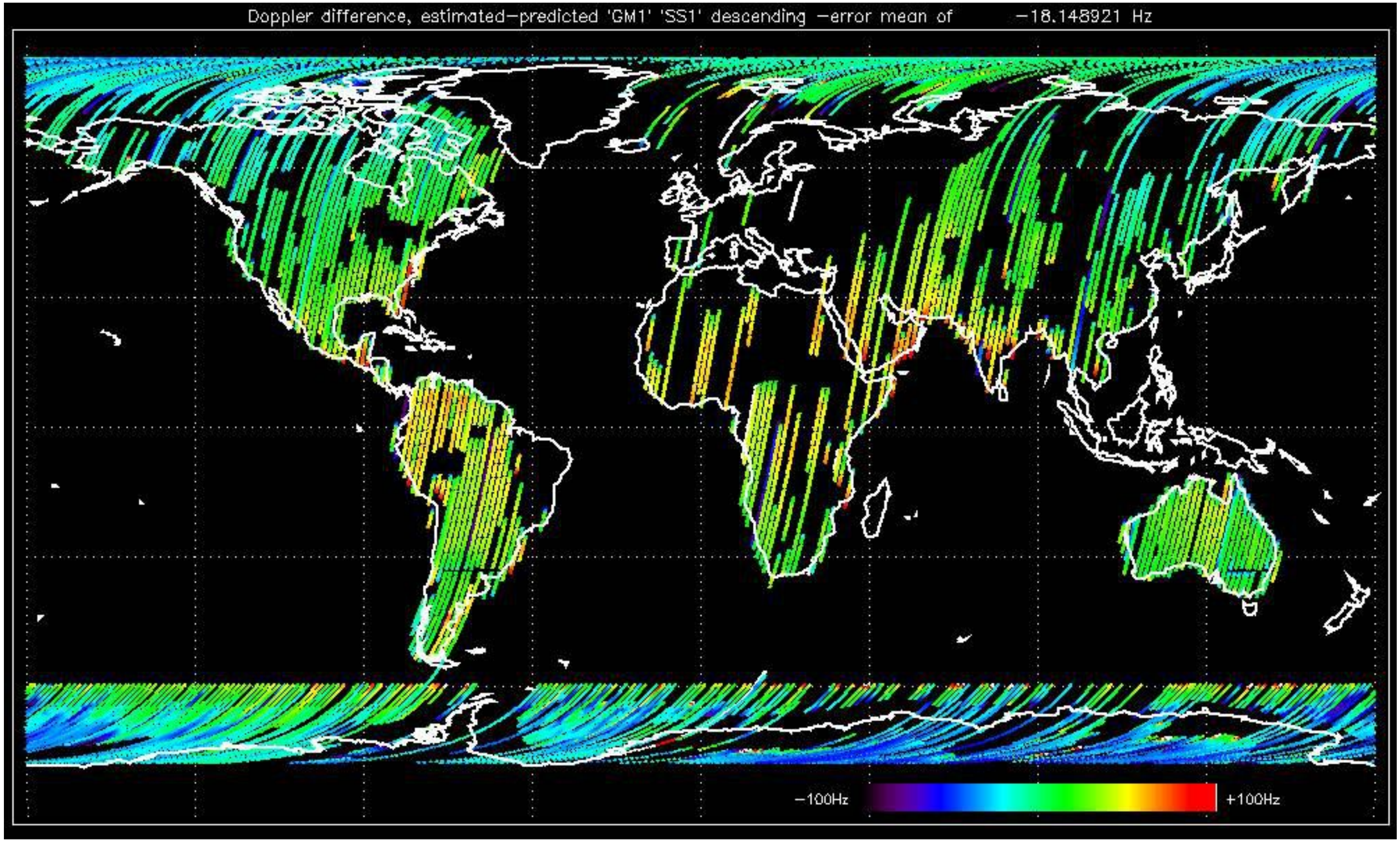

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
21−Apr
Date

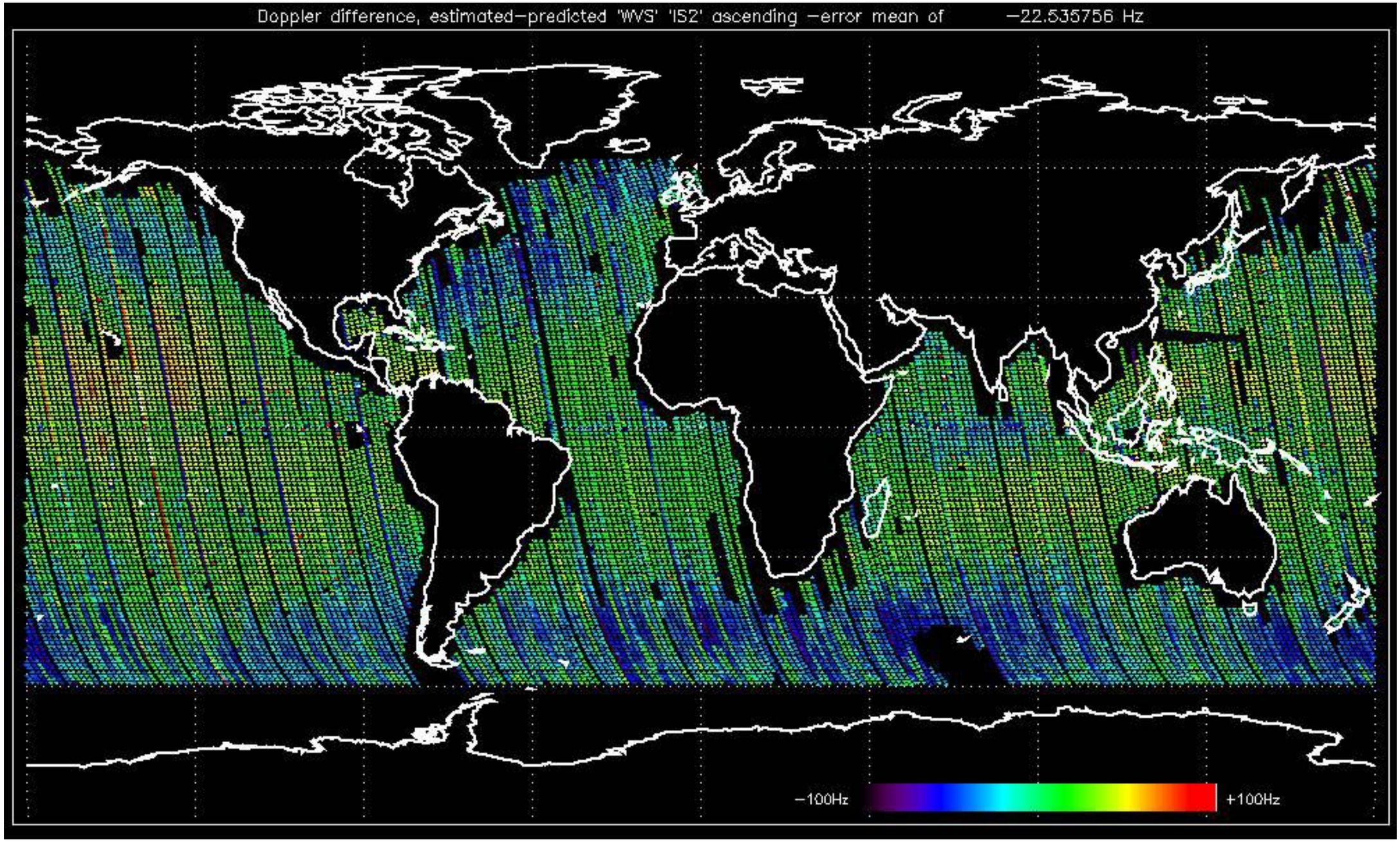

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

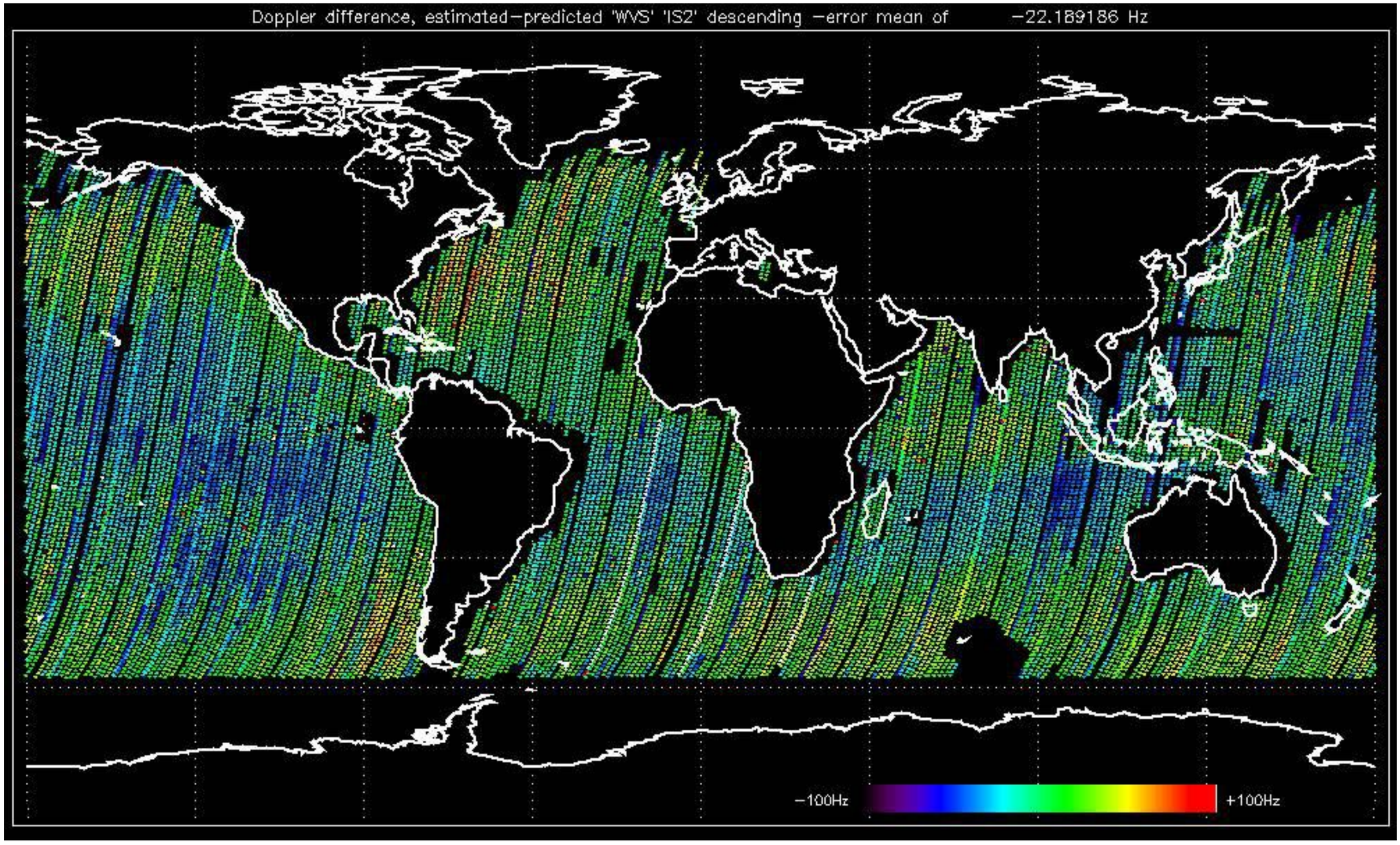

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −27.413803 Hz
−100Hz
+100Hz

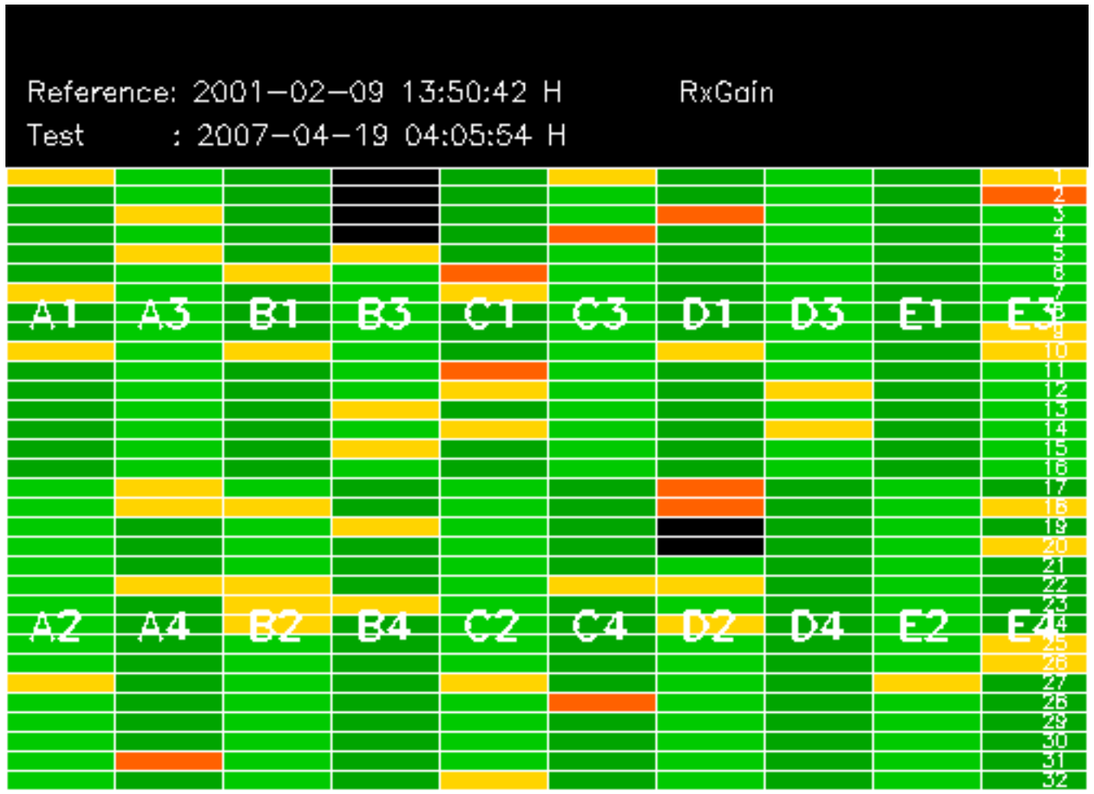

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -18.148921 Hz
-100Hz
+100Hz

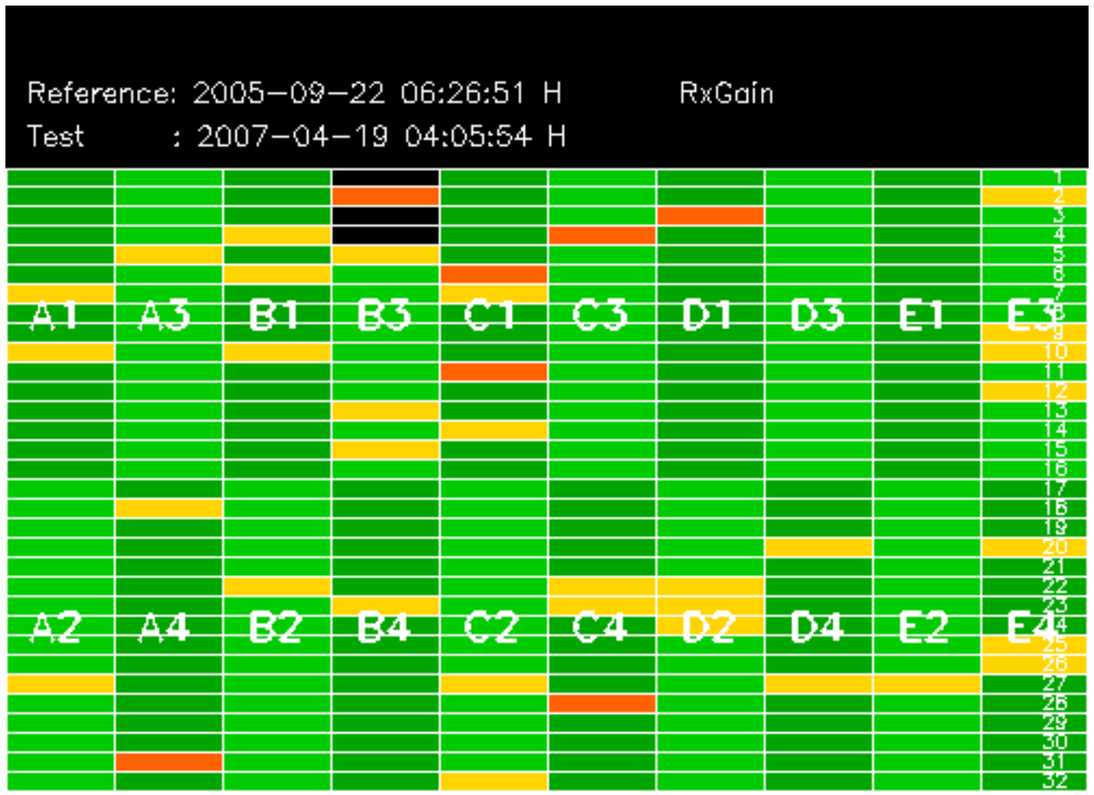

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −22.535756 Hz
−100Hz
+100Hz

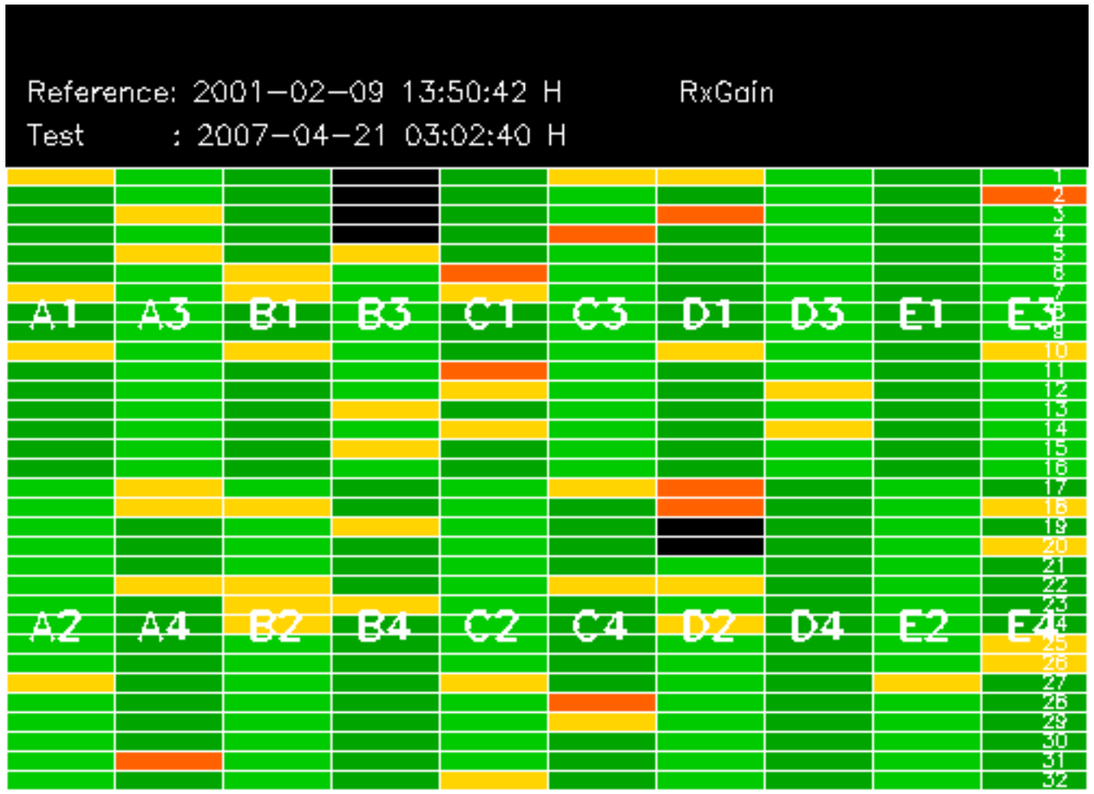

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −22.189186 Hz
−100Hz
+100Hz

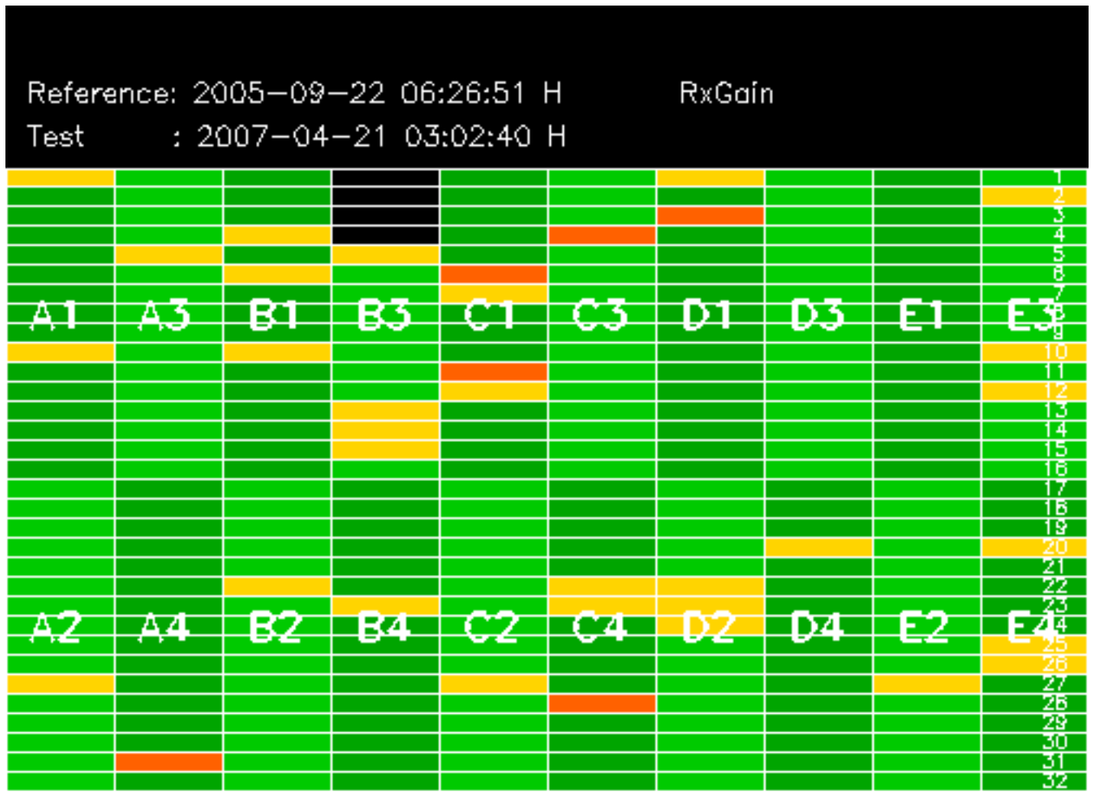
No anomalies observed on available MS products:

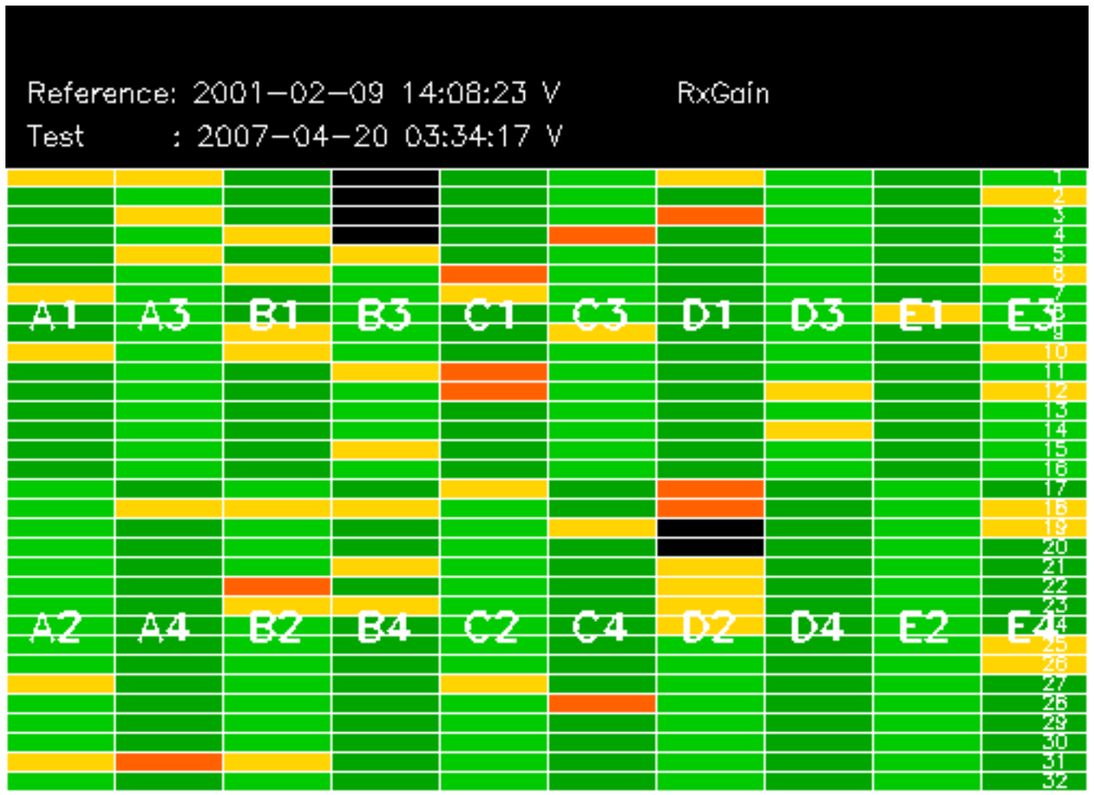
No anomalies observed.

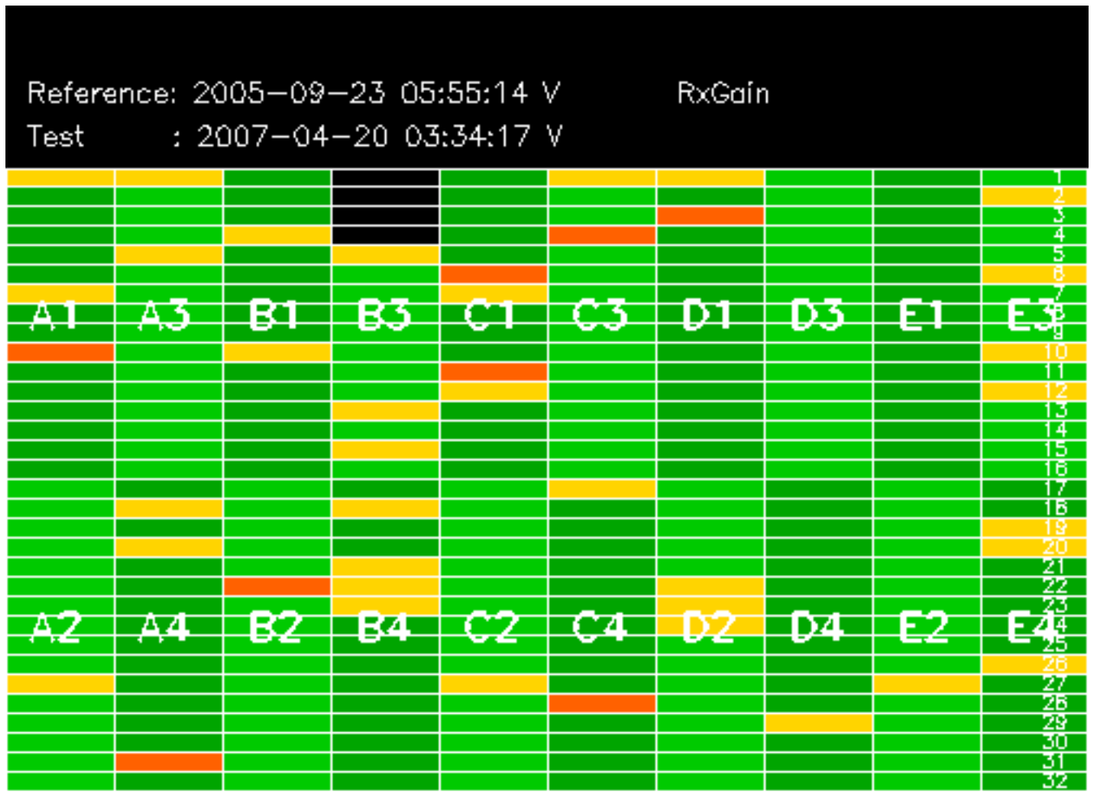

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

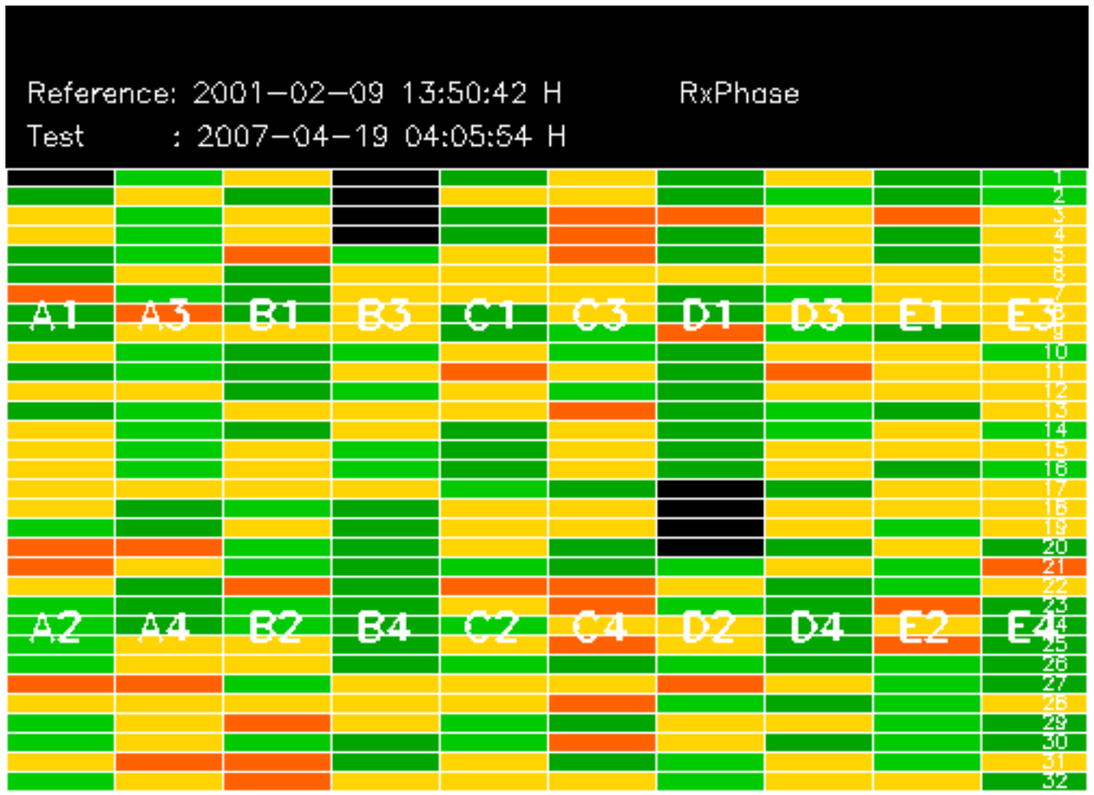

Reference: 2005-09-22 06:26:51 H
Test : 2007-04-19 04:05:54 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-04-21 03:02:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-04-21 03:02:40 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
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
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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
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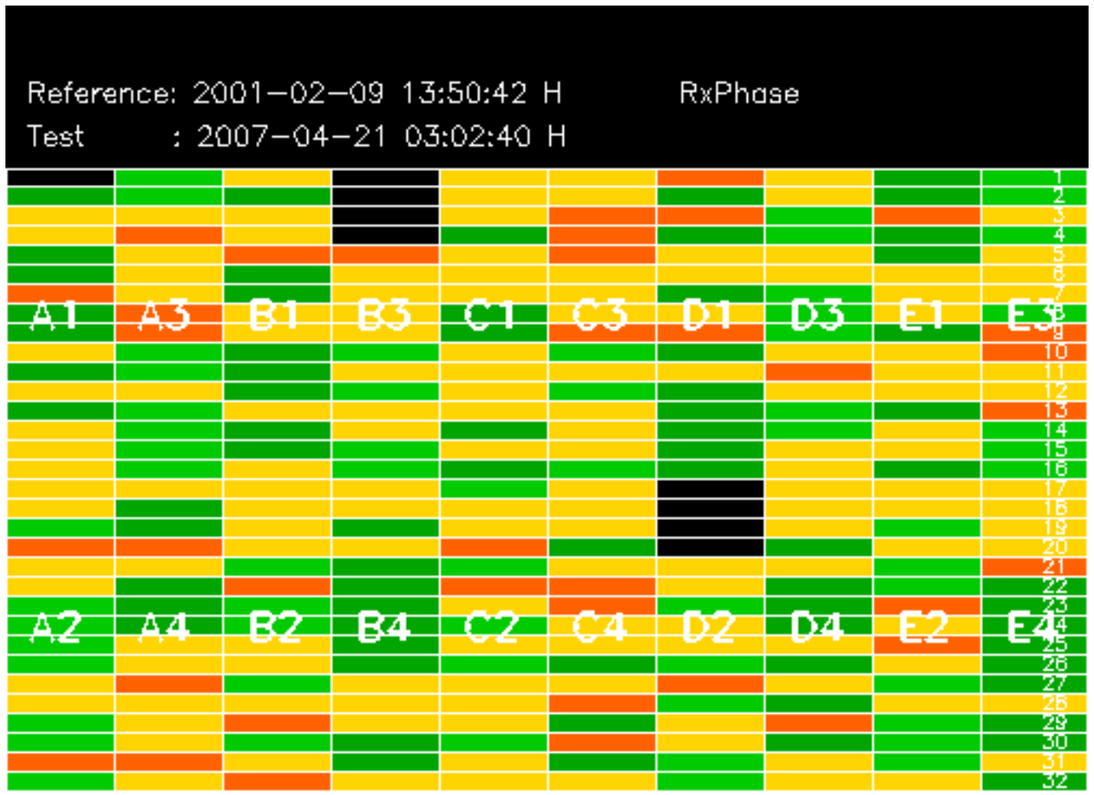
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-04-21 03:02:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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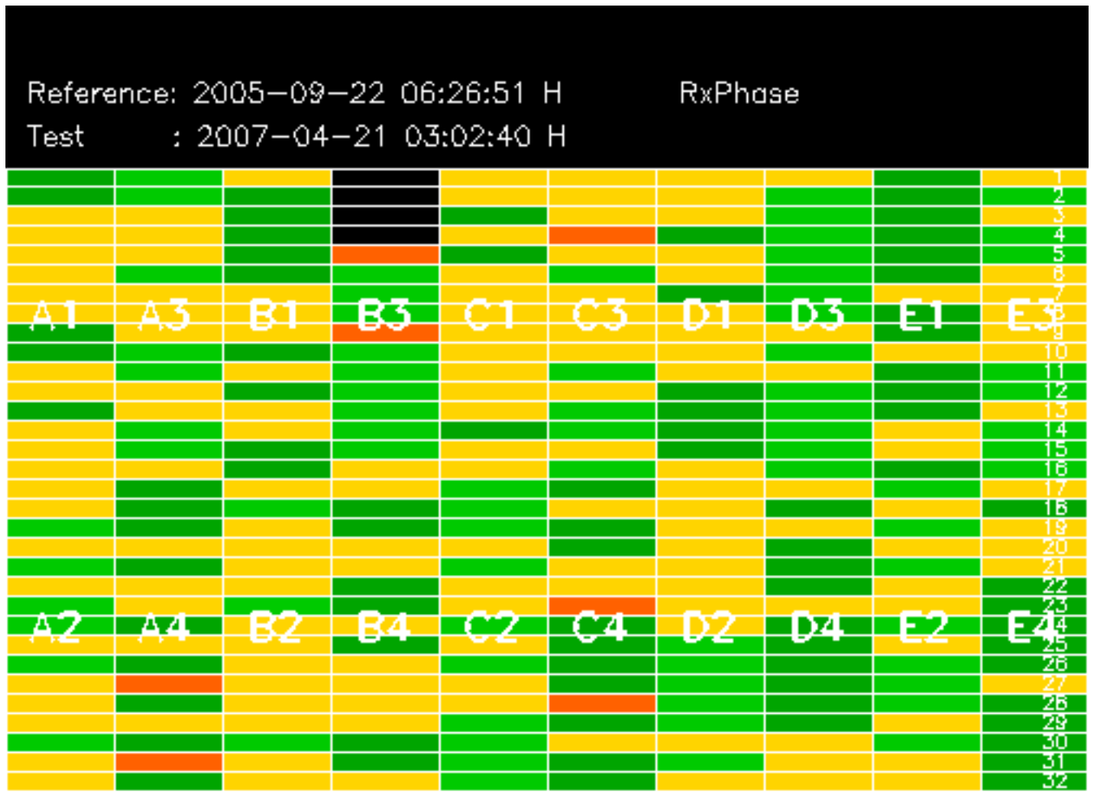
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-04-21 03:02:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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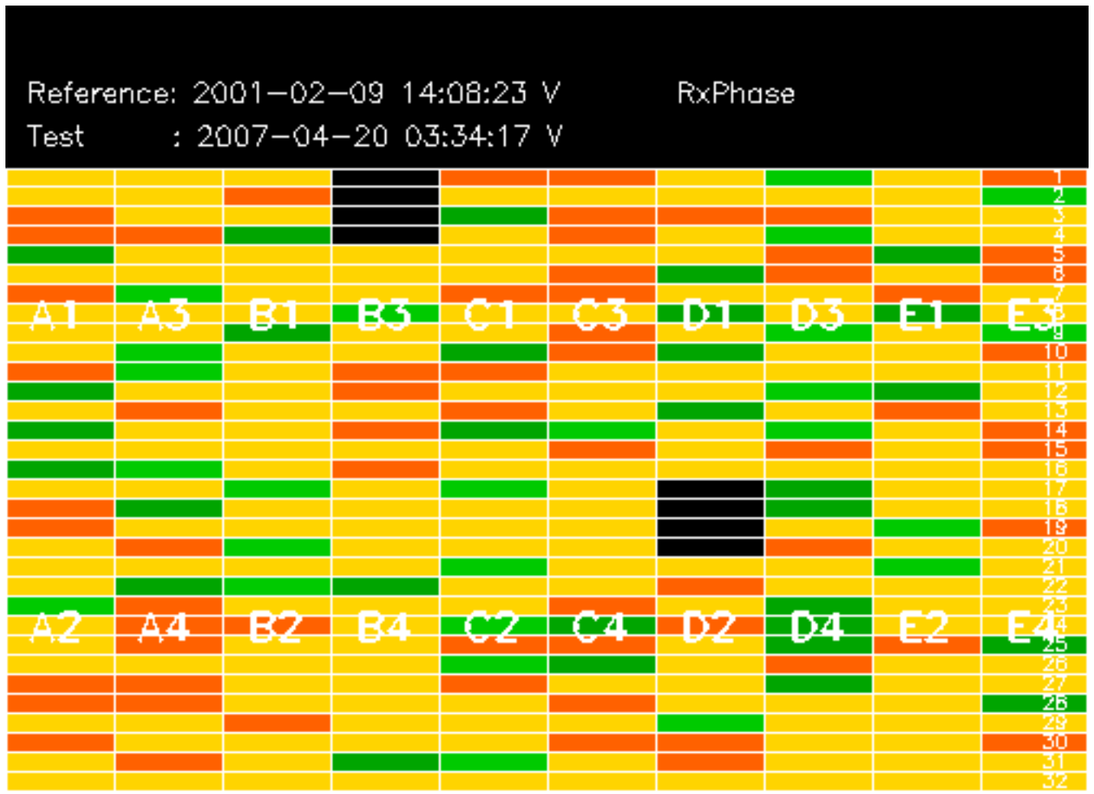
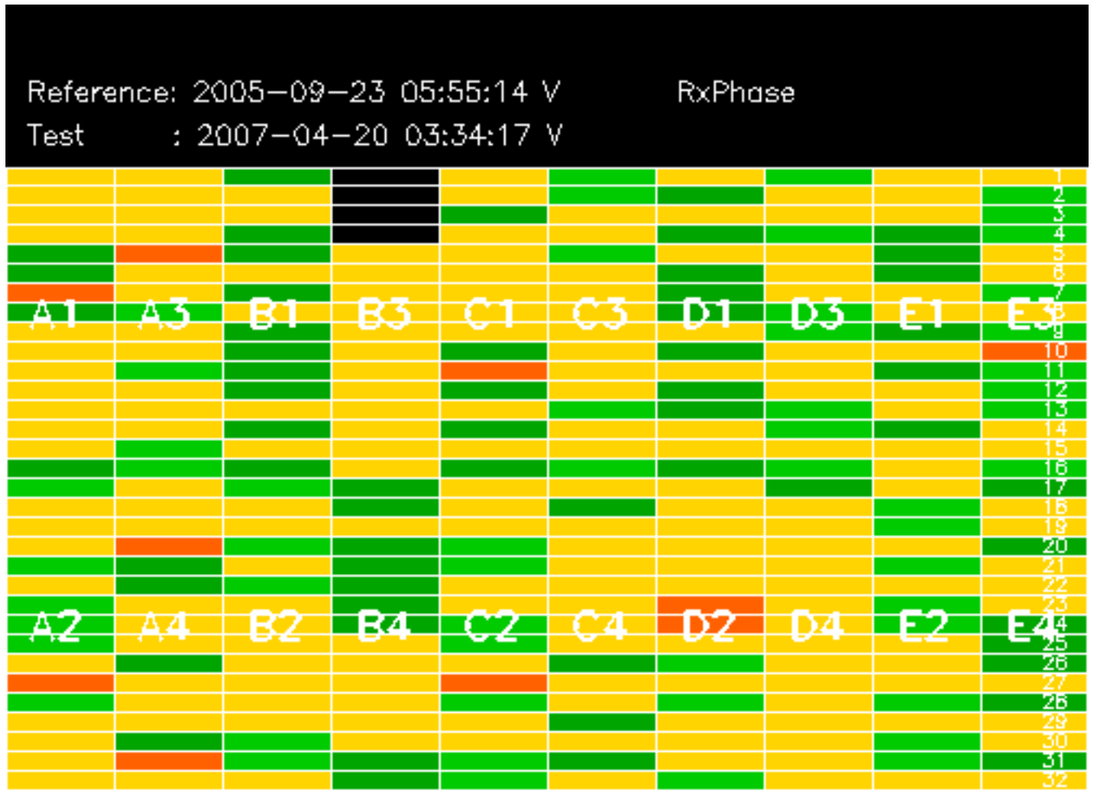
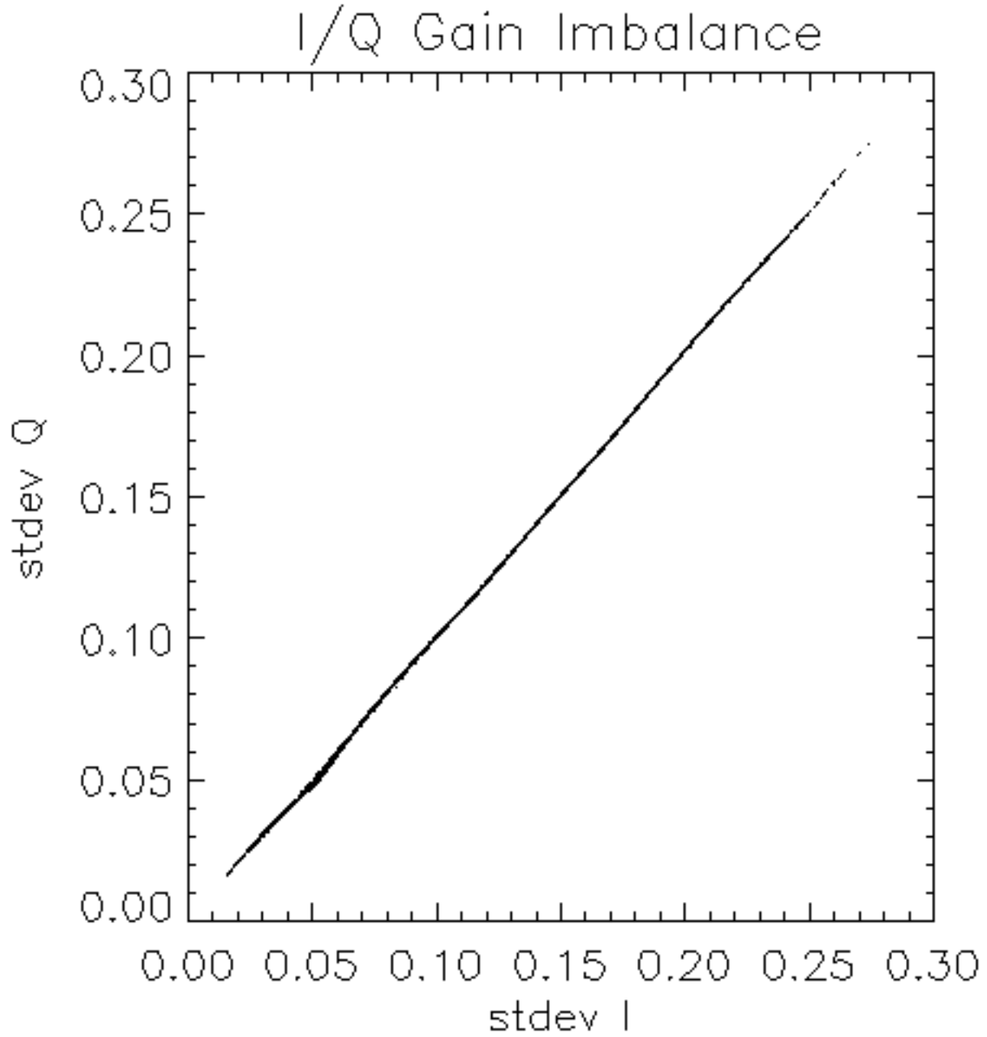
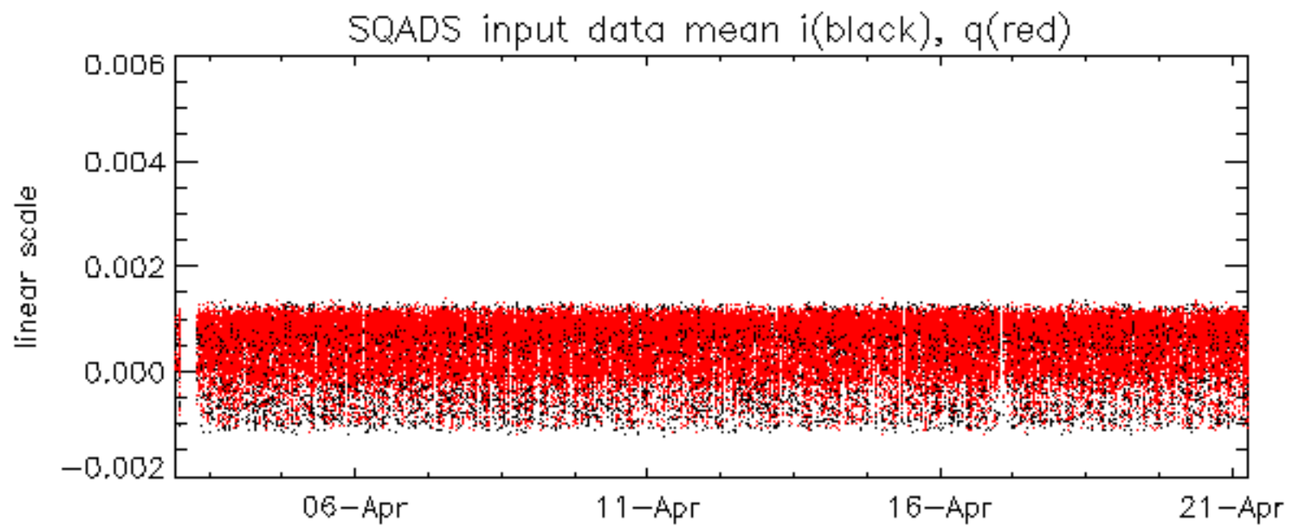
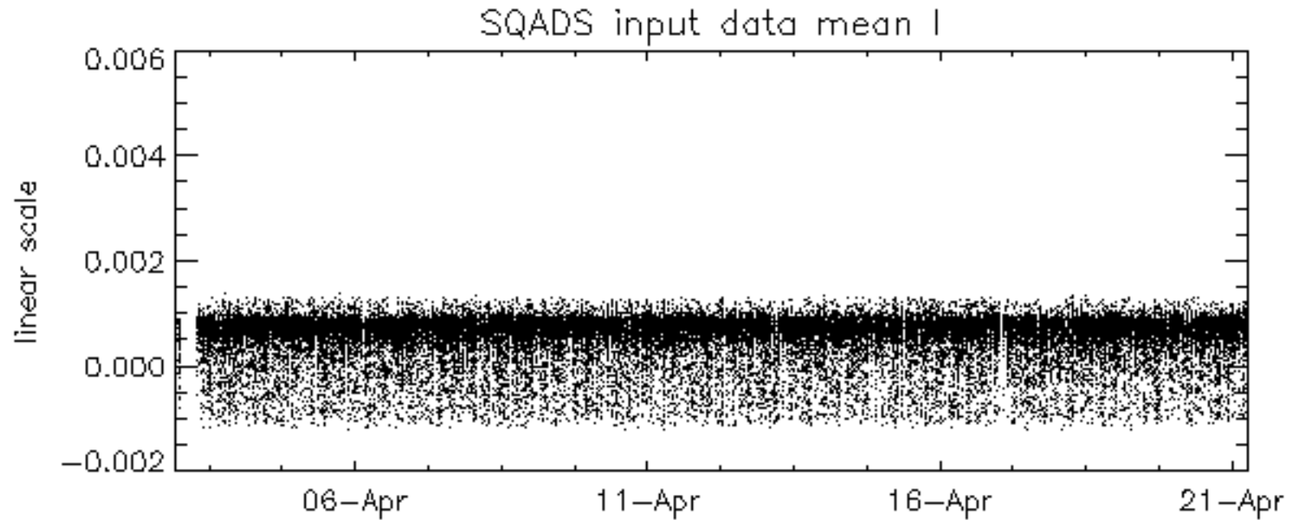
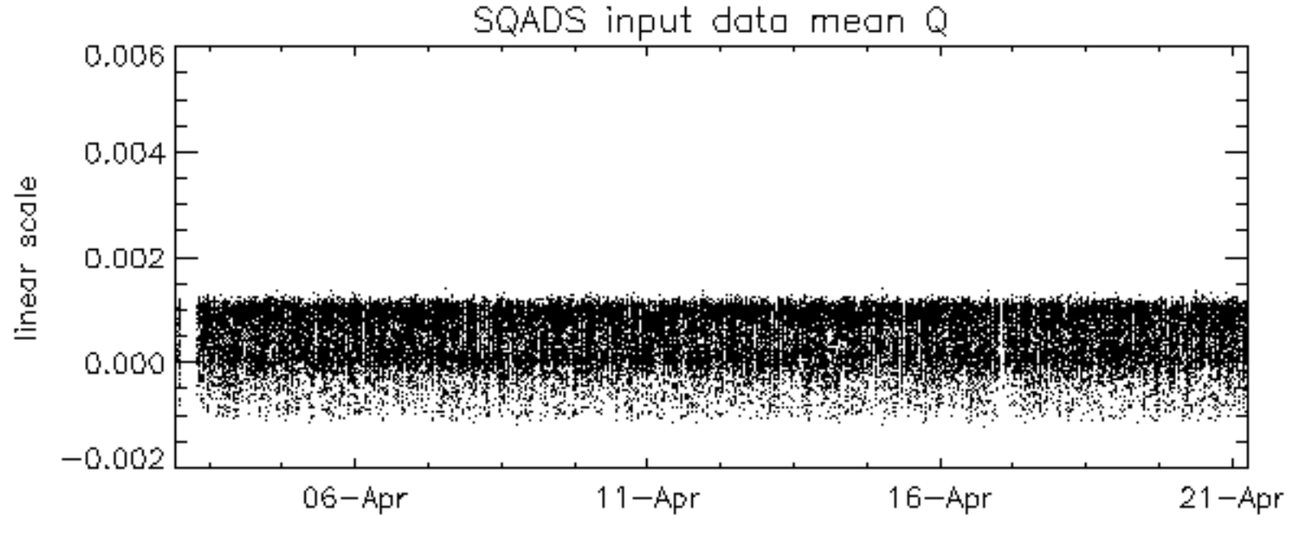

Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

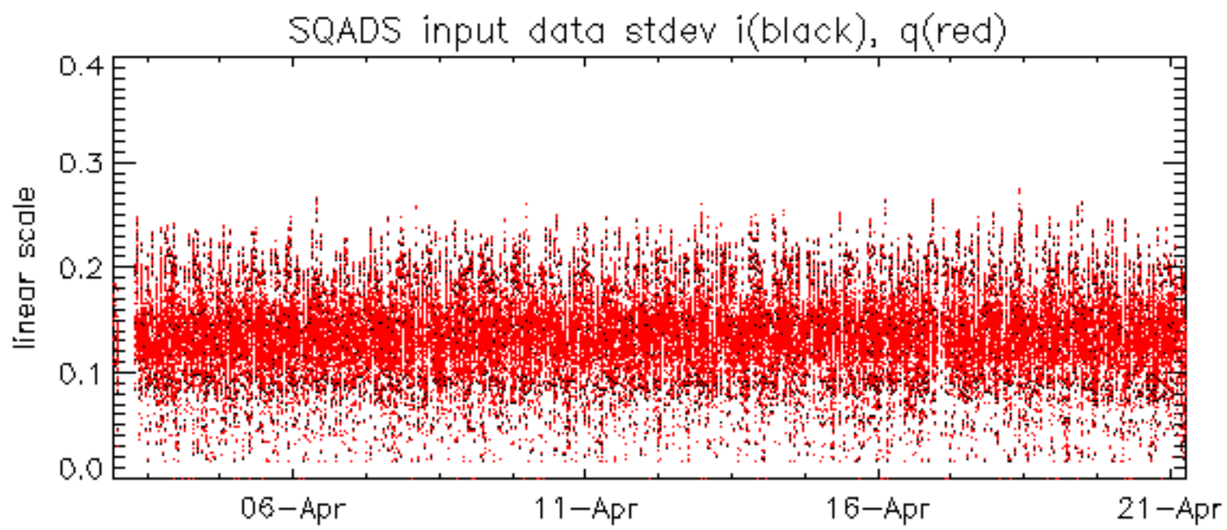

Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

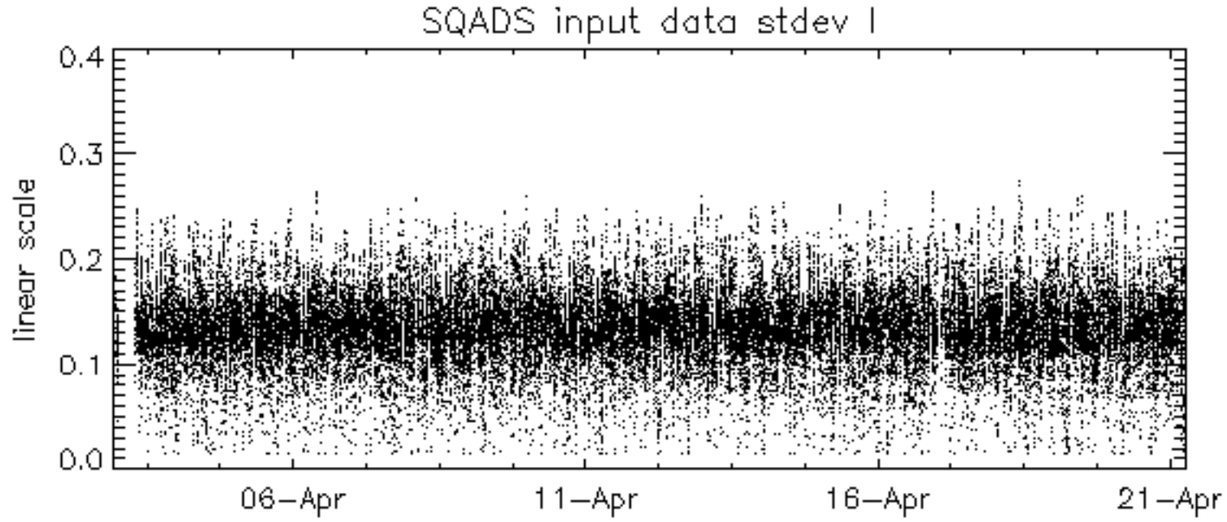

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

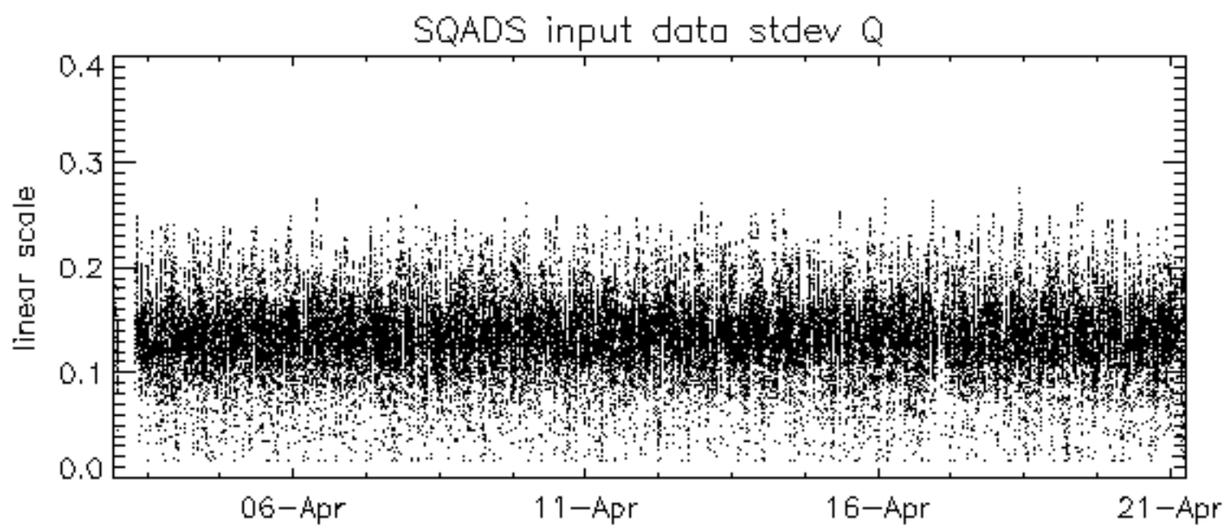

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr

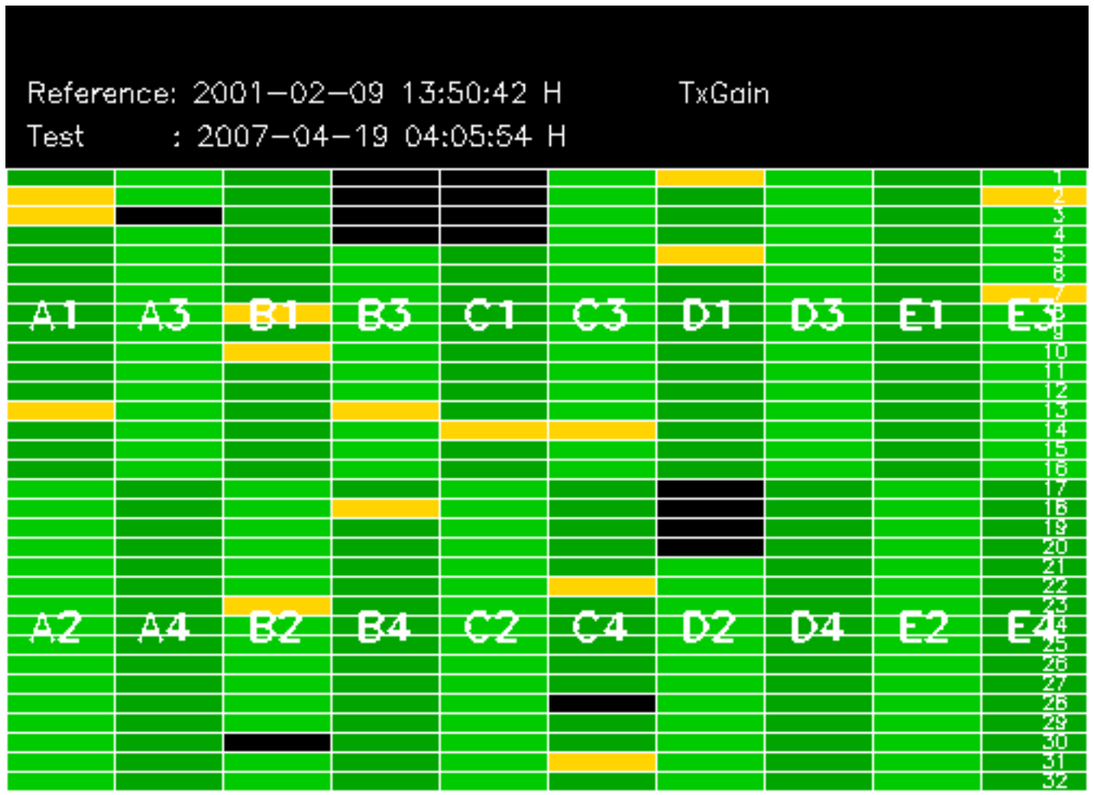

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr

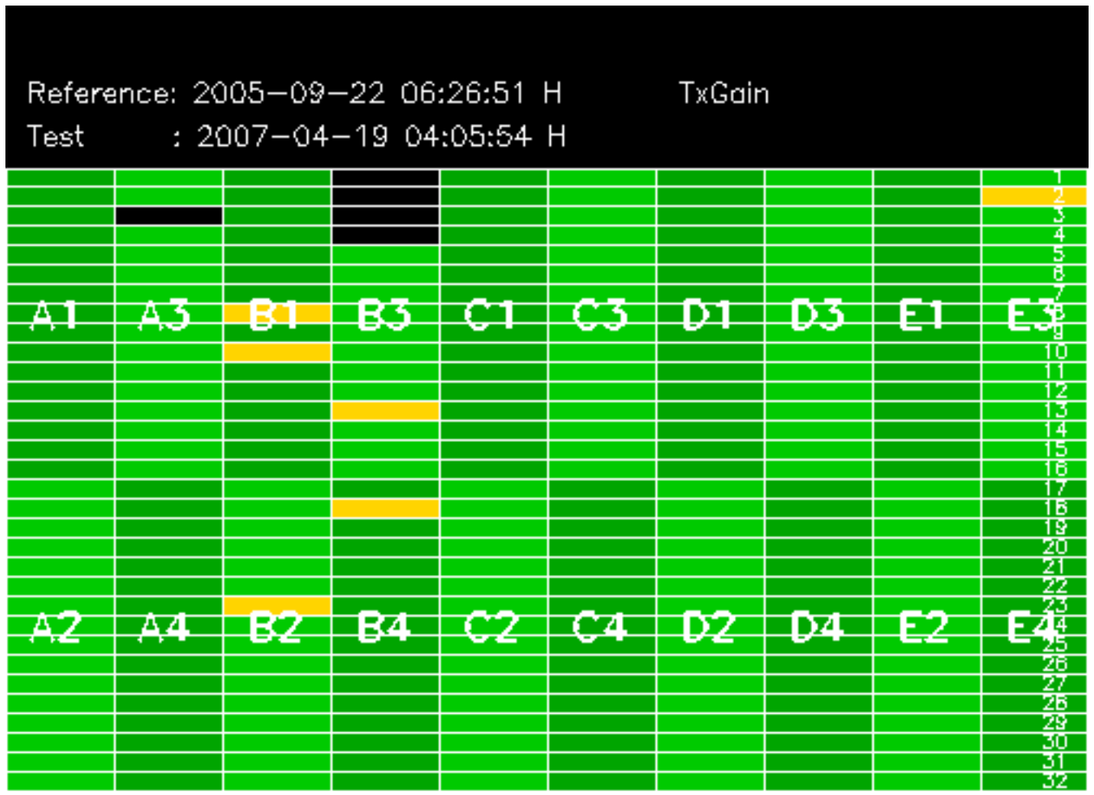

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Apr
11−Apr
16−Apr
21−Apr


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
21−Apr


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


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06−Apr
11−Apr
16−Apr
21−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
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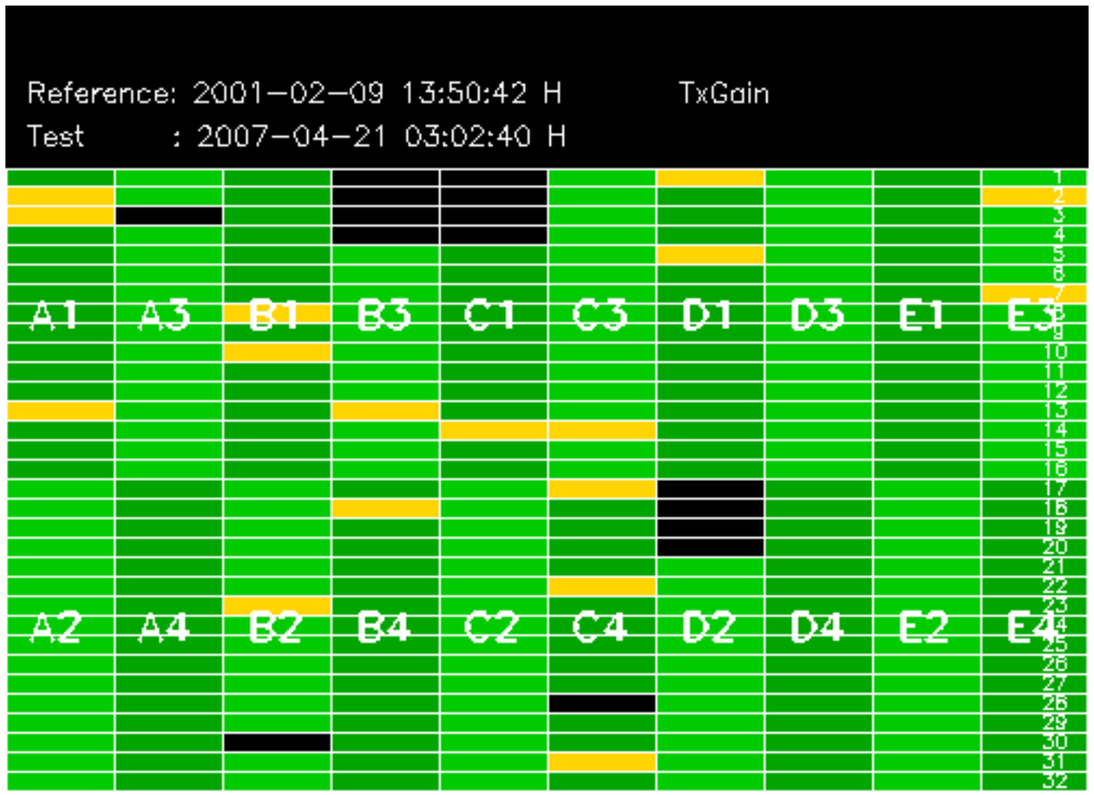
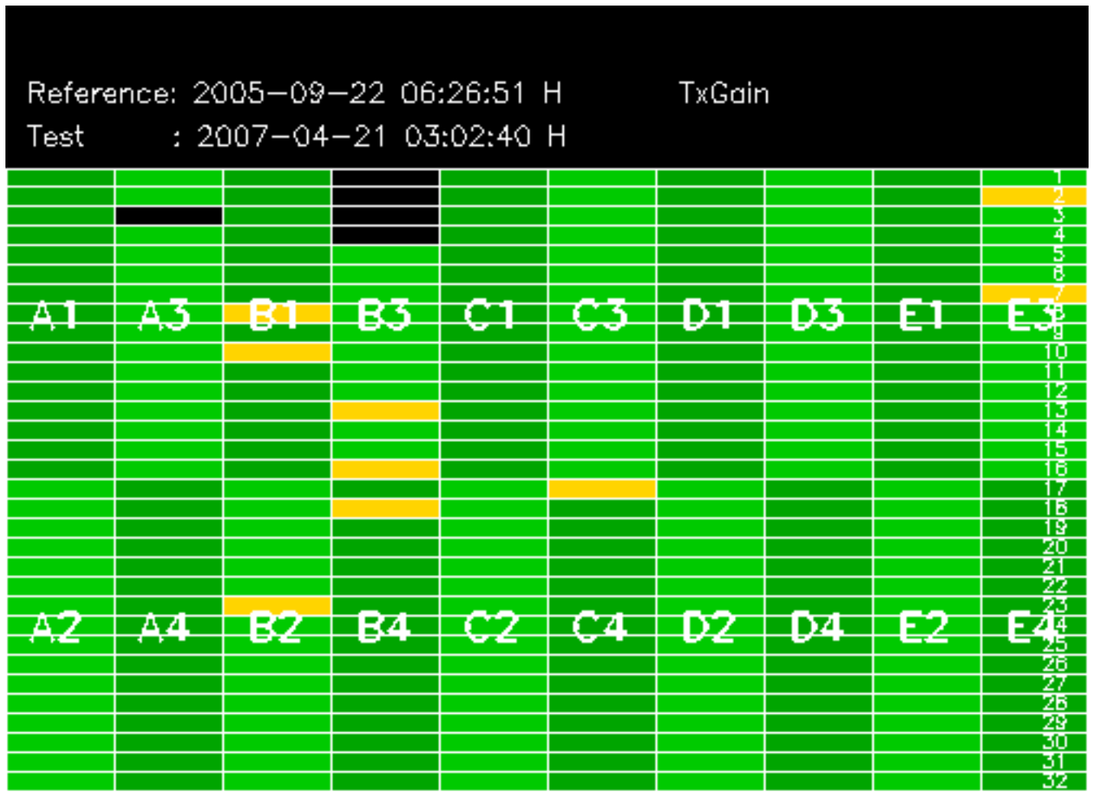

Reference: 2001-02-09 13:50:42 H
Test : 2007-04-21 03:02:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-04-21 03:02:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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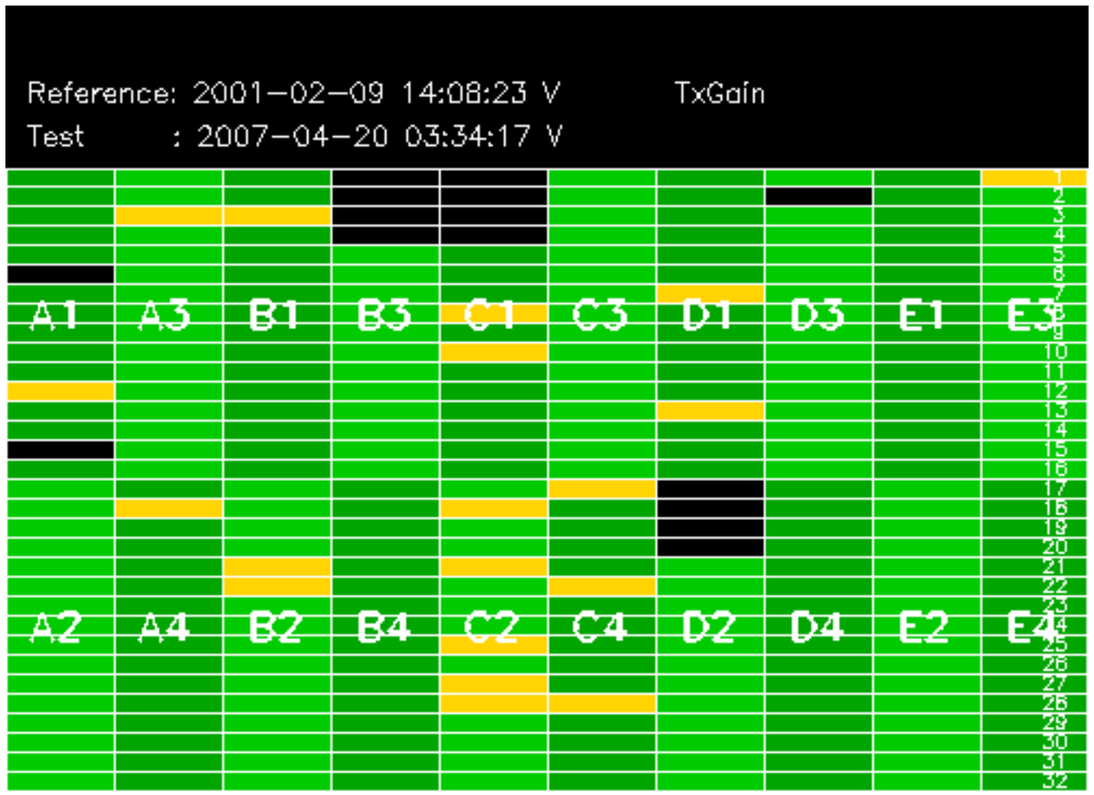
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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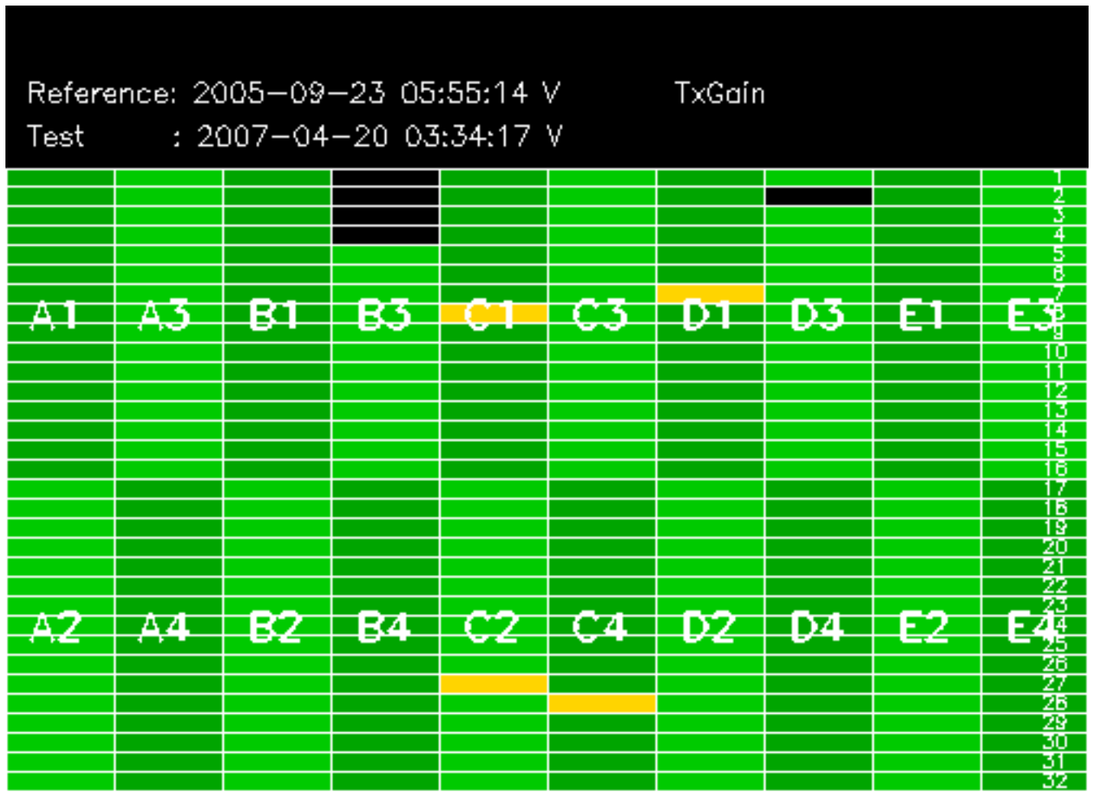
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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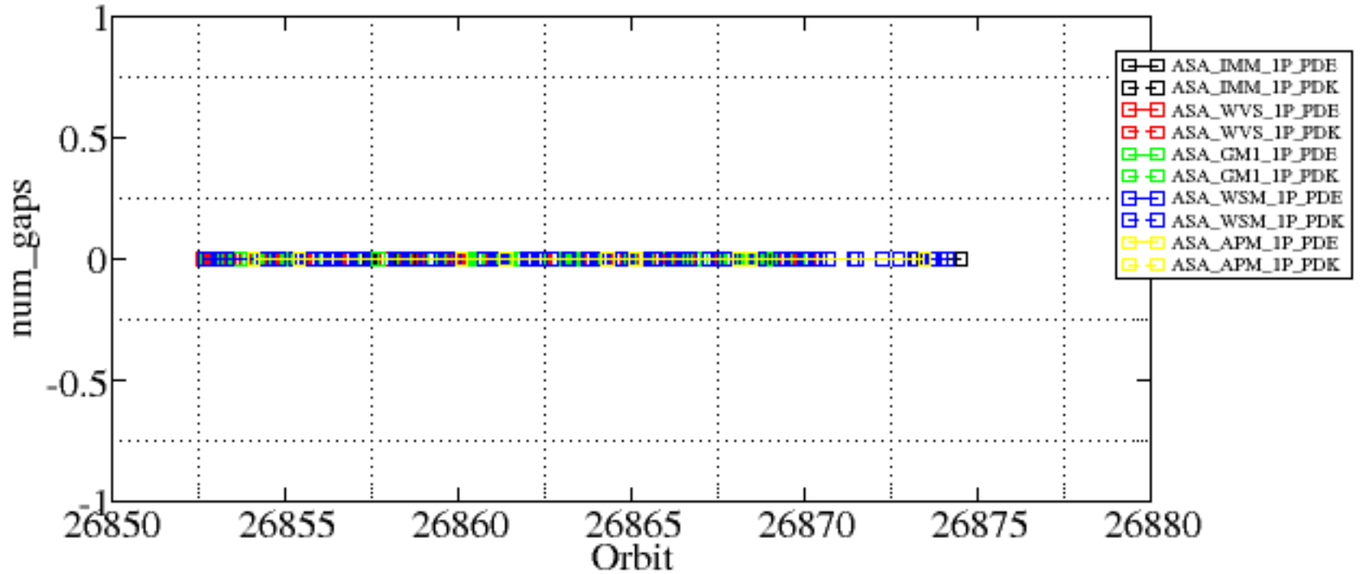
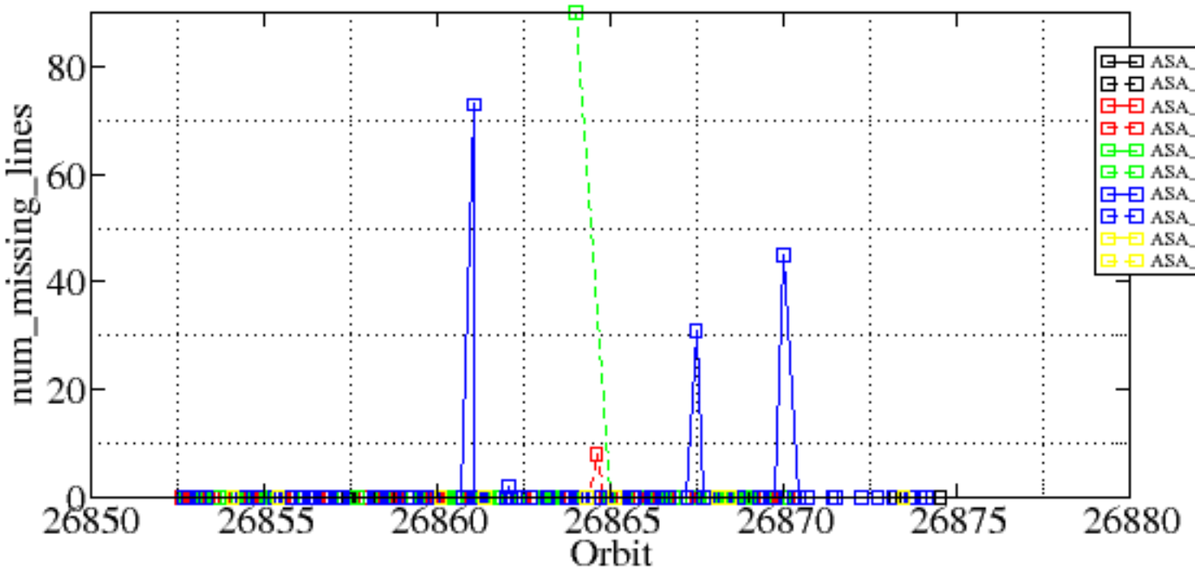
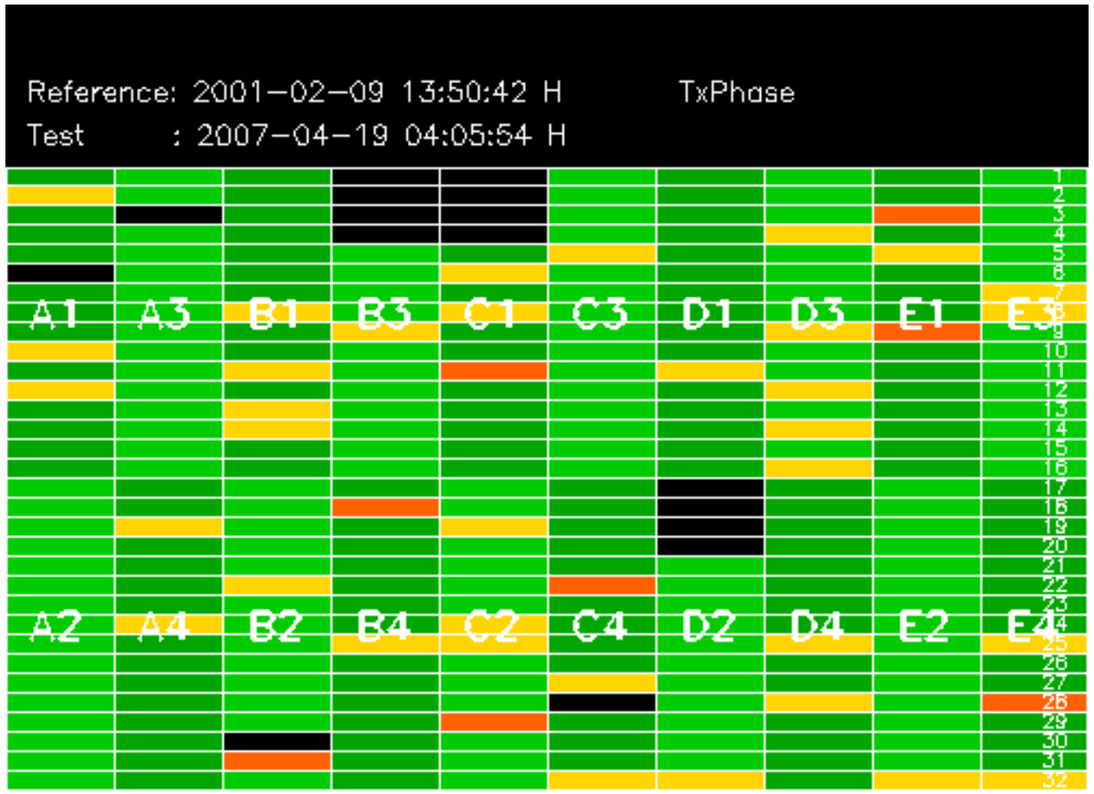
Summary of analysis for the last 3 days 2007042[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_WVS_1PNPDK20070420_201256_000004052057_00257_26864_6221.N1	0	8
ASA_GM1_1PNPDK20070420_205323_000005612057_00257_26864_6240.N1	0	90
ASA_WSM_1PNPDE20070420_141551_000000852057_00254_26861_9529.N1	0	73
ASA_WSM_1PNPDE20070420_155726_000001222057_00255_26862_9551.N1	0	2
ASA_WSM_1PNPDE20070421_010149_000001412057_00260_26867_0194.N1	0	31
ASA_WSM_1PNPDE20070421_051735_000002012057_00263_26870_0558.N1	0	45


num_gaps
1
0.5
0
-0.5
-1
26850
26855
26860
26865
26870
26875
26880
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
26850
26855
26860
26865
26870
26875
26880
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
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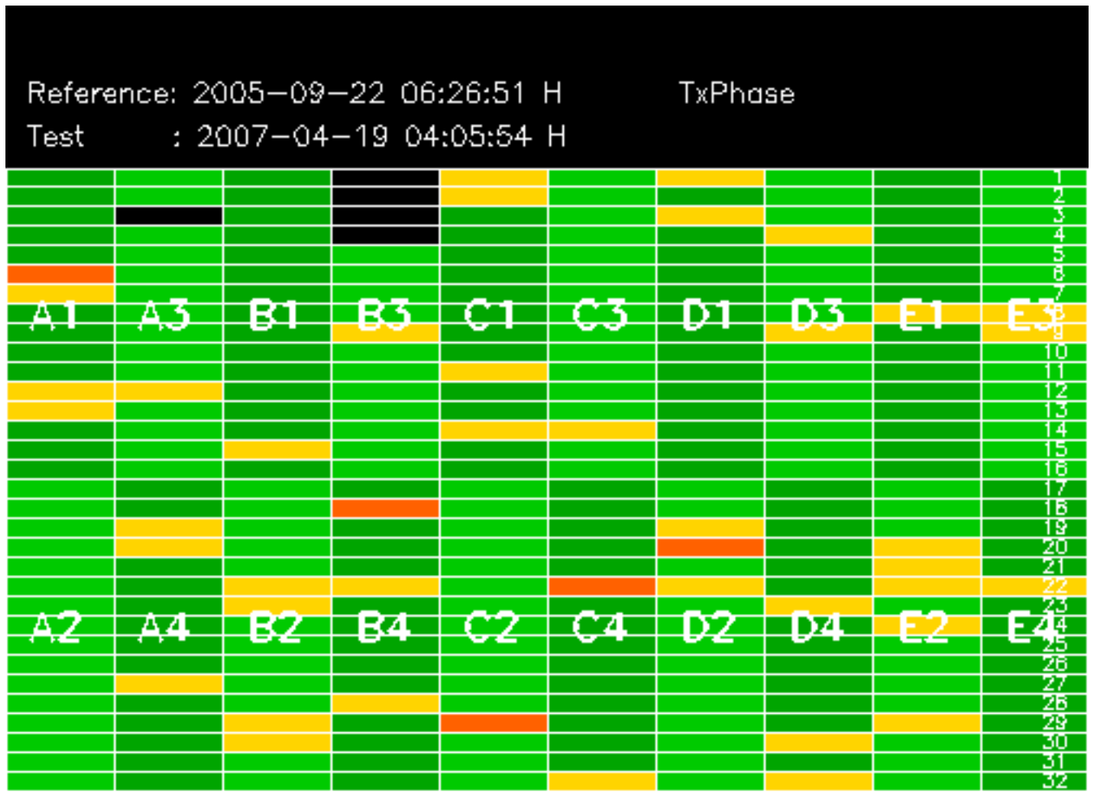
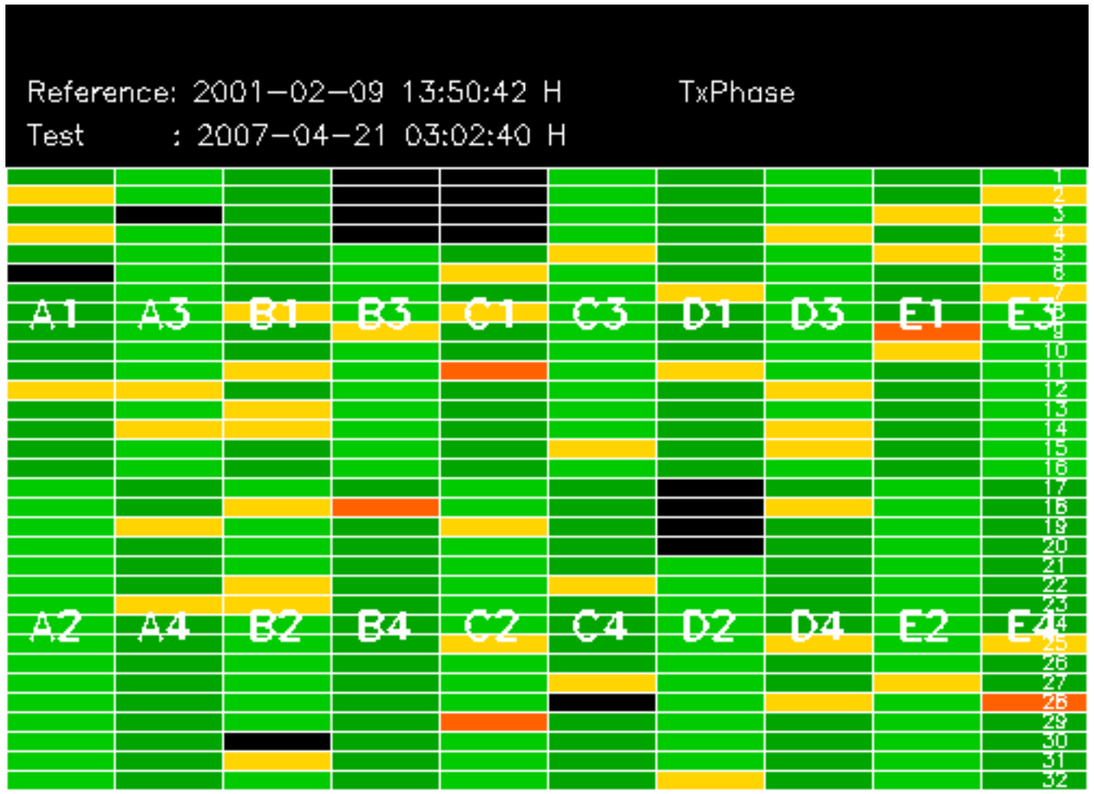

Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-04-19 04:05:54 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-04-21 03:02:40 H
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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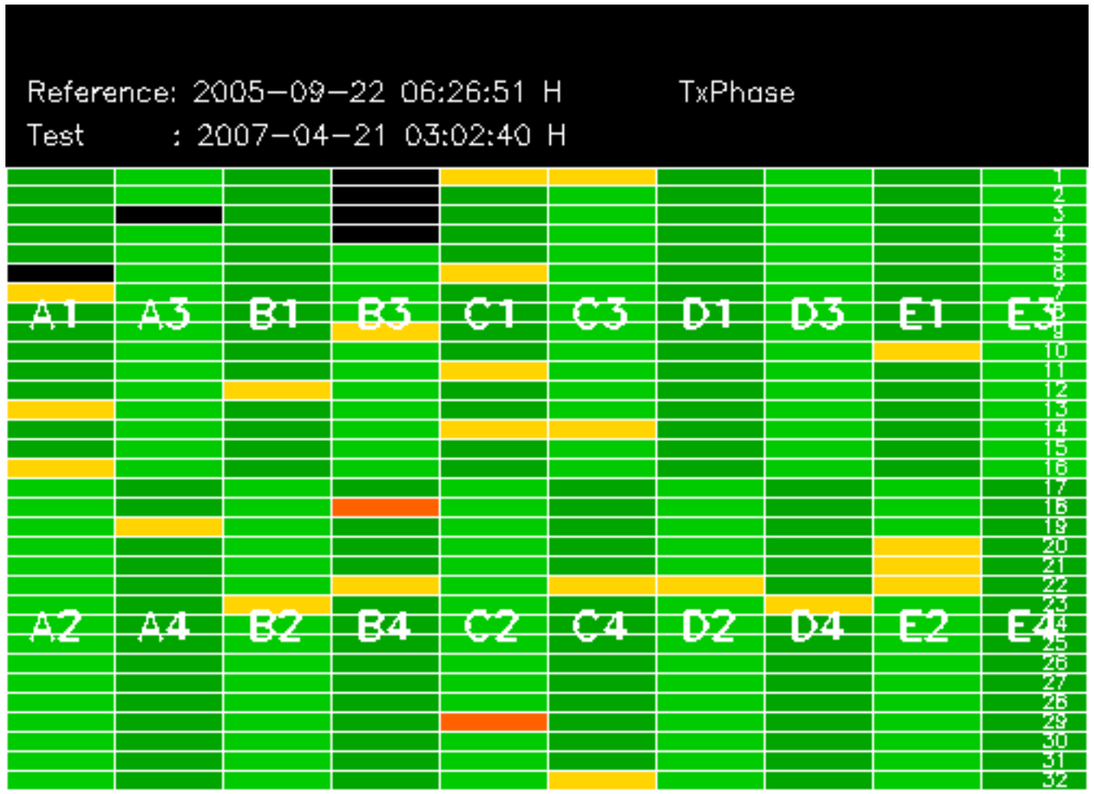
Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-04-21 03:02:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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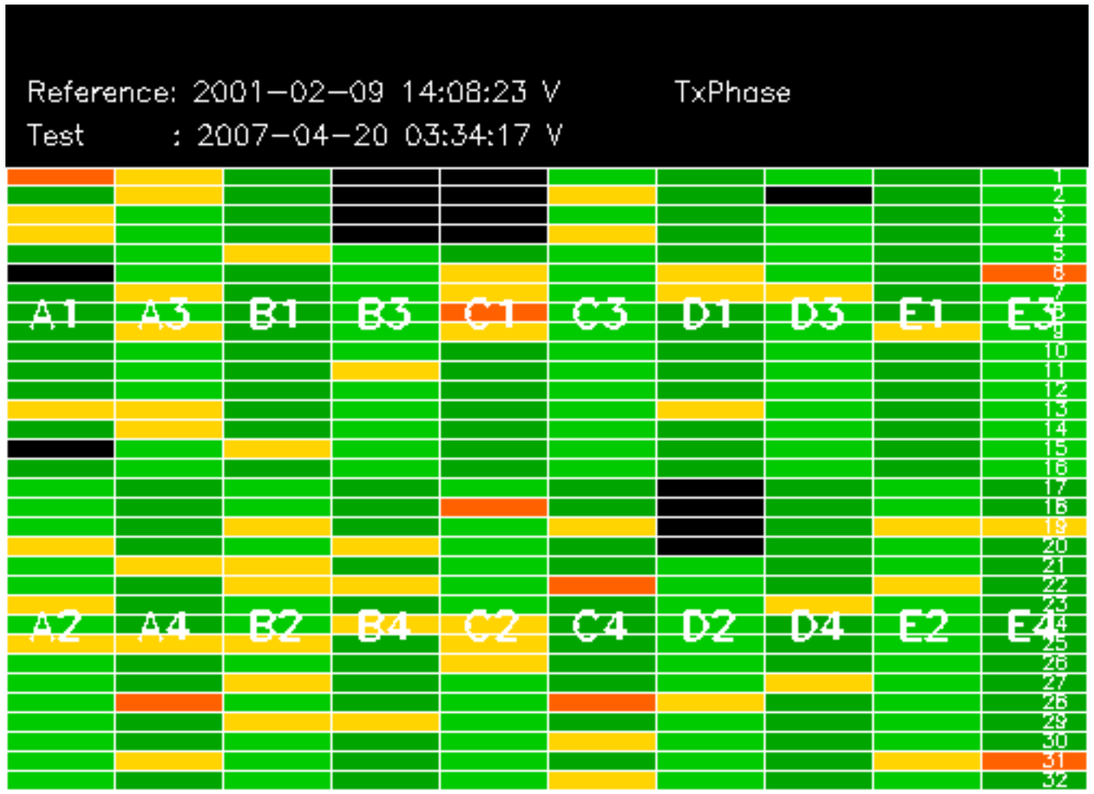
Reference: 2001-02-09 14:08:23 V
Test : 2007-04-20 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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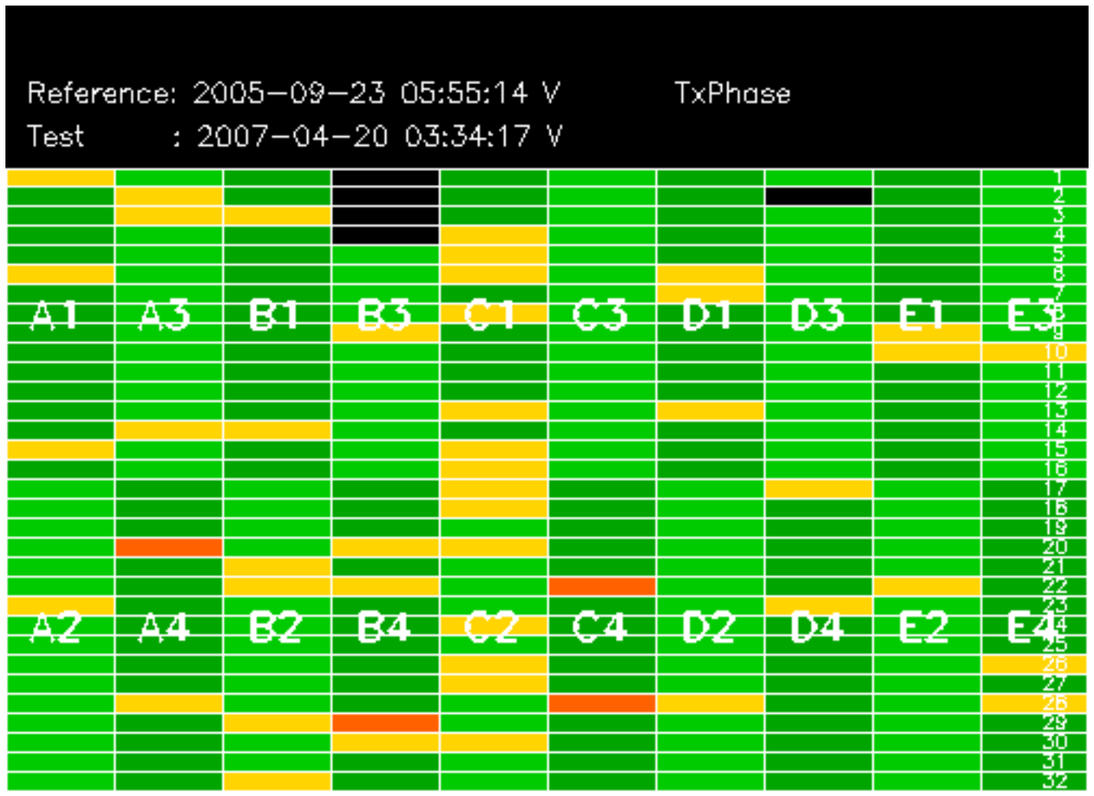
Reference: 2005-09-23 05:55:14 V
Test : 2007-04-20 03:34:17 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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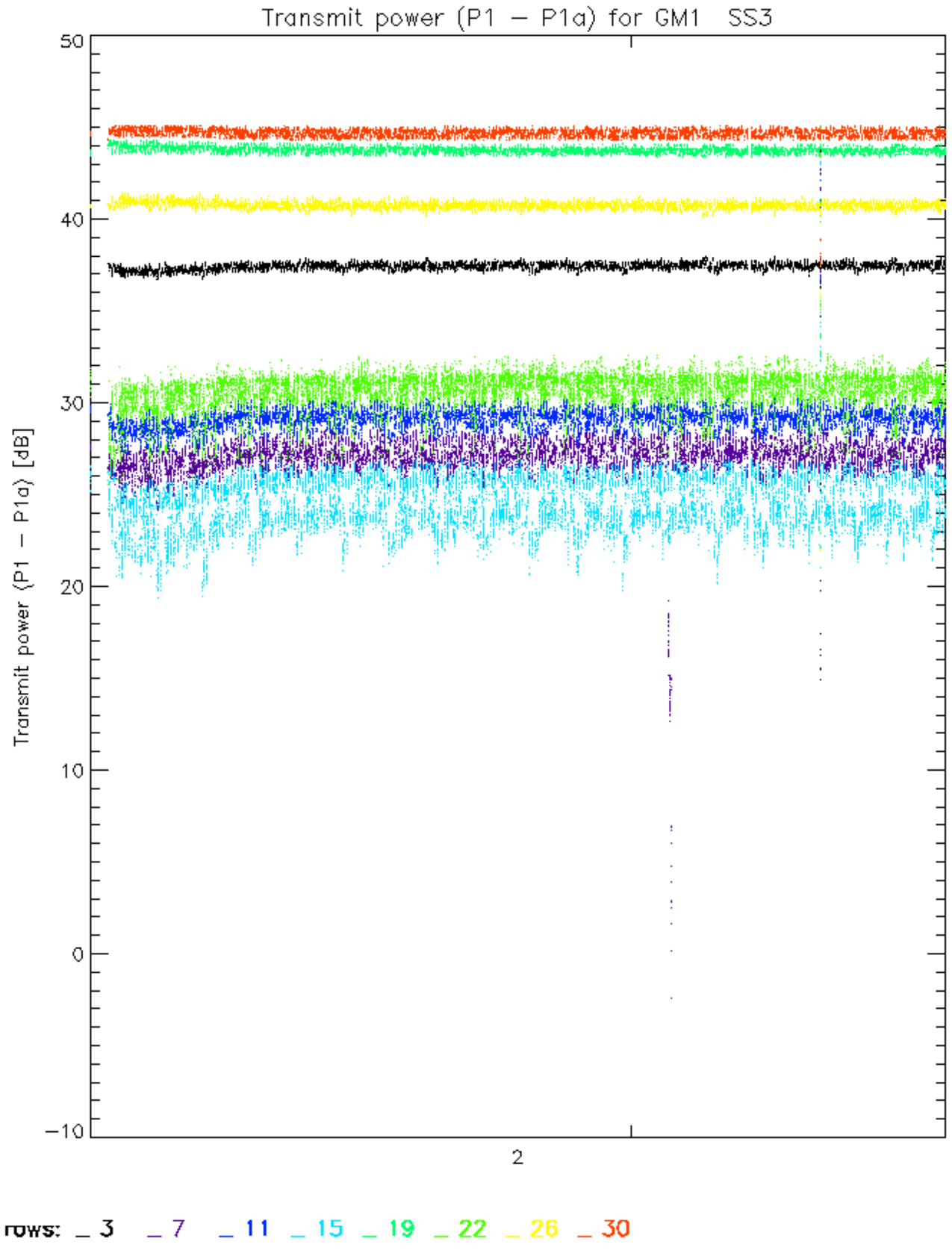
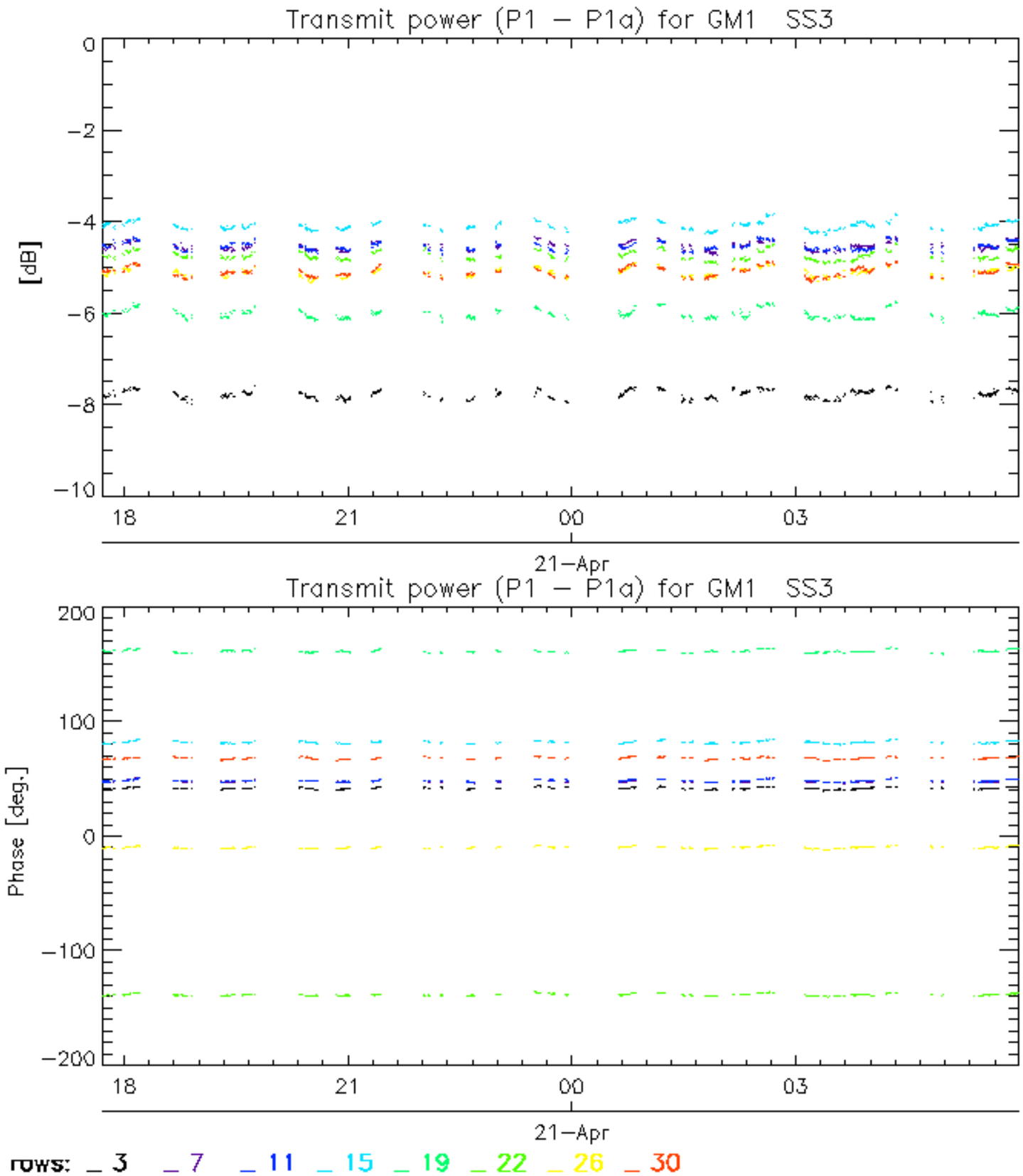
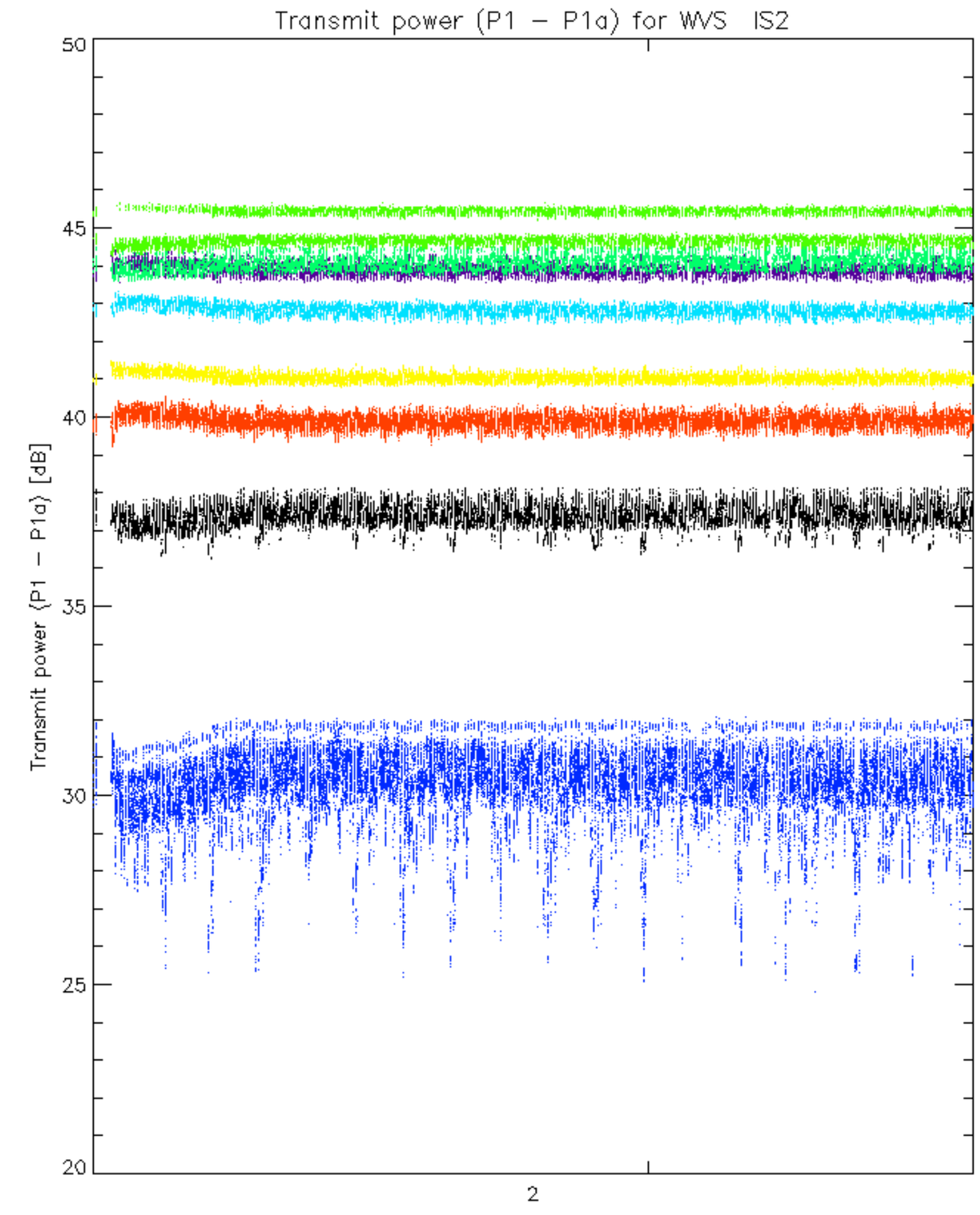
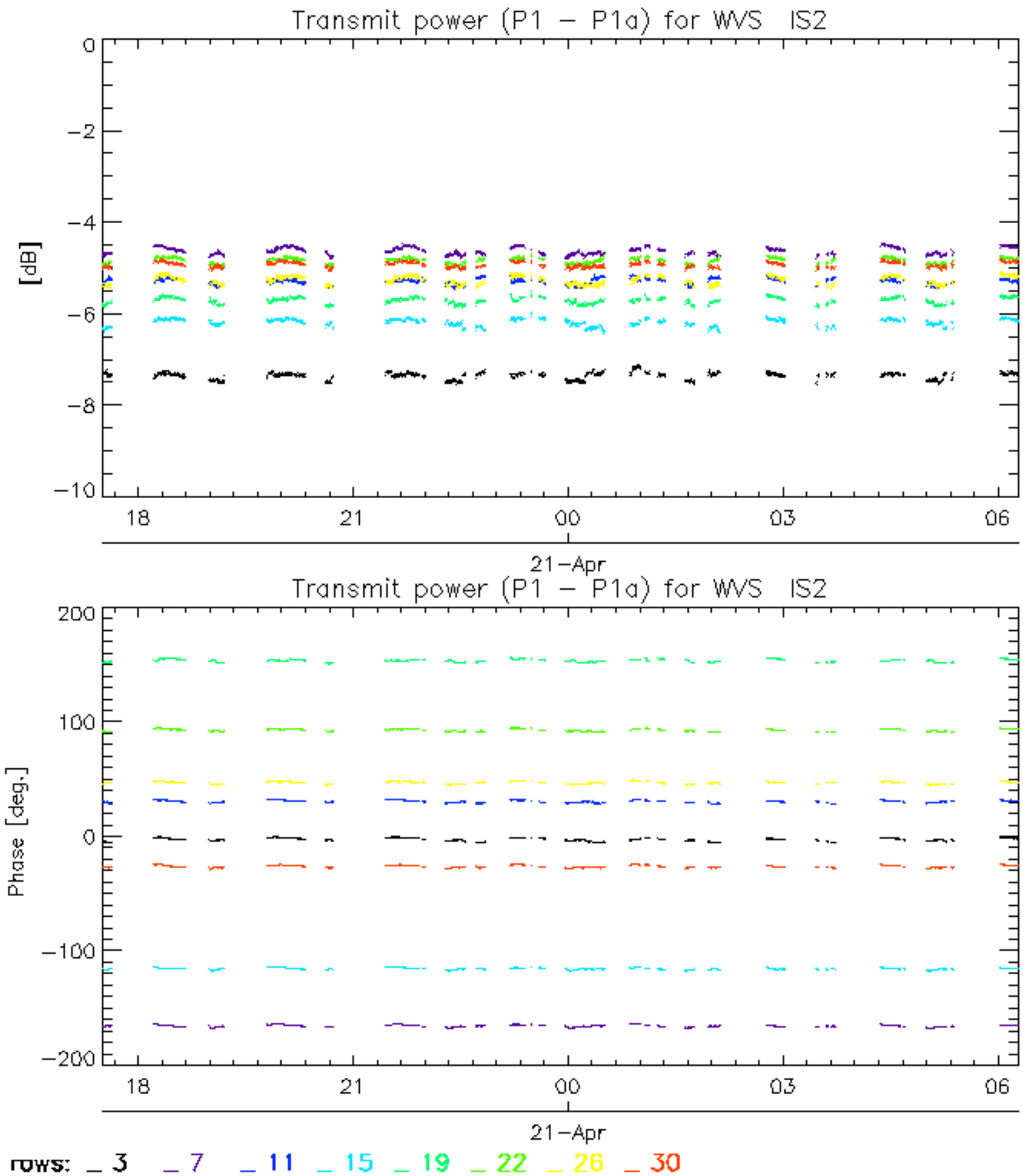

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
2
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.