PRELIMINARY REPORT OF 060518

last update on Thu May 18 16:43:03 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 2006-05-17 00:00:00 to 2006-05-18 16:43:03

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	40	65	11	0	27
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	40	65	11	0	27
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	40	65	11	0	27
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	65	11	0	27

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	47	67	25	21	60
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	47	67	25	21	60
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	47	67	25	21	60
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	67	25	21	60

2.3 - Browse Visual Inspection

No unavailabilities during the reported period.

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	20060518 100806
H	20060517 071831

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	-3.970248	0.011491	0.016762
7	P1	-3.071473	0.013698	-0.082268
11	P1	-4.099018	0.015250	-0.032811
15	P1	-6.115138	0.011825	-0.078288
19	P1	-3.311572	0.007960	-0.018077
22	P1	-4.524547	0.010902	-0.004998
26	P1	-4.018104	0.020362	0.089953
30	P1	-5.741148	0.019445	-0.028231
3	P1	-16.643841	0.304052	0.140807
7	P1	-17.029291	0.149280	-0.298203
11	P1	-16.817038	0.314820	-0.359563
15	P1	-13.148355	0.141763	-0.194470
19	P1	-14.192934	0.048662	-0.217402
22	P1	-16.108353	0.441507	-0.161043
26	P1	-15.368004	0.268372	0.336547
30	P1	-16.867815	0.331023	-0.385044

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.266342	0.084576	0.127181
7	P2	-22.160816	0.100405	0.161619
11	P2	-16.002684	0.111885	0.144097
15	P2	-7.168149	0.094388	-0.009532
19	P2	-9.157053	0.087567	-0.025049
22	P2	-18.079901	0.085756	-0.109002
26	P2	-16.332966	0.091063	-0.100305
30	P2	-19.601671	0.085775	0.020243

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.191390	0.003995	-0.000485
7	P3	-8.191390	0.003995	-0.000485
11	P3	-8.191390	0.003995	-0.000485
15	P3	-8.191390	0.003995	-0.000485
19	P3	-8.191390	0.003995	-0.000485
22	P3	-8.191390	0.003995	-0.000485
26	P3	-8.191403	0.003995	-0.000438
30	P3	-8.191403	0.003995	-0.000438

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	-3.747315	0.038650	-0.004336
7	P1	-2.641011	0.101023	0.113604
11	P1	-2.872096	0.030760	0.050451
15	P1	-3.505145	0.029265	0.055167
19	P1	-3.387202	0.014098	-0.016795
22	P1	-5.106847	0.022142	0.058047
26	P1	-5.825714	0.021685	-0.034902
30	P1	-5.183815	0.043921	-0.020701
3	P1	-11.599372	0.134428	-0.032081
7	P1	-9.975227	0.153752	0.007644
11	P1	-10.212871	0.082787	0.058473
15	P1	-10.654952	0.126957	0.176146
19	P1	-15.471333	0.086677	-0.090431
22	P1	-20.765760	1.291424	-0.390413

26	P1	-16.431664	0.392160	-0.181976
30	P1	-18.169027	0.486111	0.376378

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.936934	0.069982	0.103549
7	P2	-22.514635	0.176066	-0.017886
11	P2	-11.193806	0.049202	0.010257
15	P2	-4.882223	0.042047	-0.059044
19	P2	-6.867868	0.041297	-0.022084
22	P2	-8.170842	0.052971	-0.059247
26	P2	-24.067564	0.125152	-0.093510
30	P2	-22.054436	0.086574	-0.009486

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.024818	0.003628	0.004460
7	P3	-8.024841	0.003643	0.003863
11	P3	-8.024938	0.003629	0.004361
15	P3	-8.024693	0.003648	0.004670
19	P3	-8.024898	0.003643	0.004842
22	P3	-8.024899	0.003638	0.004470
26	P3	-8.024703	0.003631	0.004565
30	P3	-8.024765	0.003636	0.004508

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	0.000538251
	stdev	1.89022e-07
MEAN Q	mean	0.000512143
	stdev	2.27867e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135189
	stdev	0.00119000
STDEV Q	mean	0.135538
	stdev	0.00120711

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006051[678]
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_1PNPDE20060516_003808_000000502047_00403_22000_5316.N1	1	0
ASA_IMM_1PNPDE20060517_202031_000000362047_00429_22026_5398.N1	1	0
ASA_IMM_1PNPDK20060516_082810_000000372047_00408_22005_1794.N1	0	15
ASA_WSM_1PNPDE20060517_001650_000000852047_00417_22014_9559.N1	0	26
ASA_WSM_1PNPDE20060517_015318_000000672047_00418_22015_9563.N1	0	69

ASA_WSM_1PNPDE20060517_234613_000003302047_00431_22028_9726.N1	0	26

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

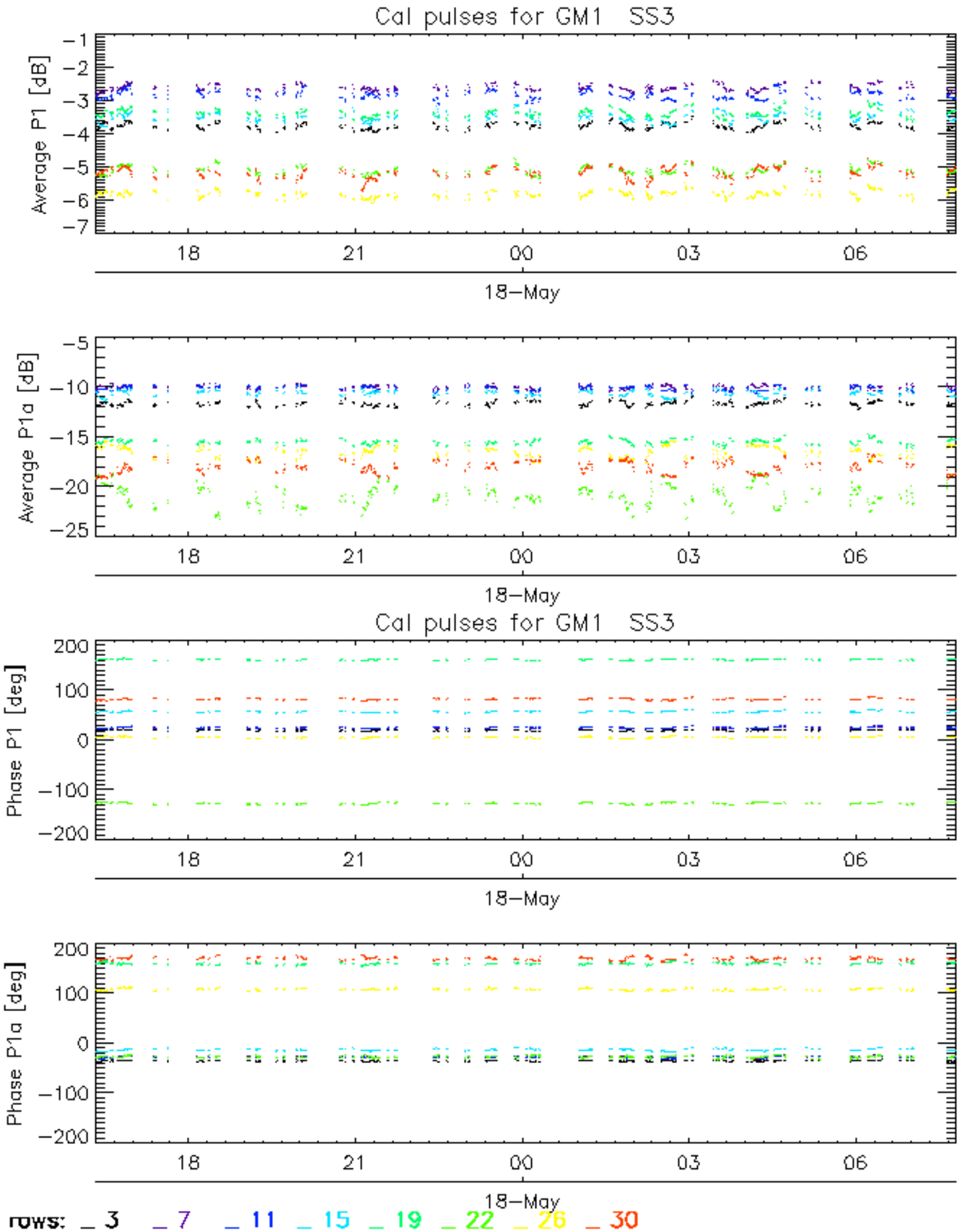
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

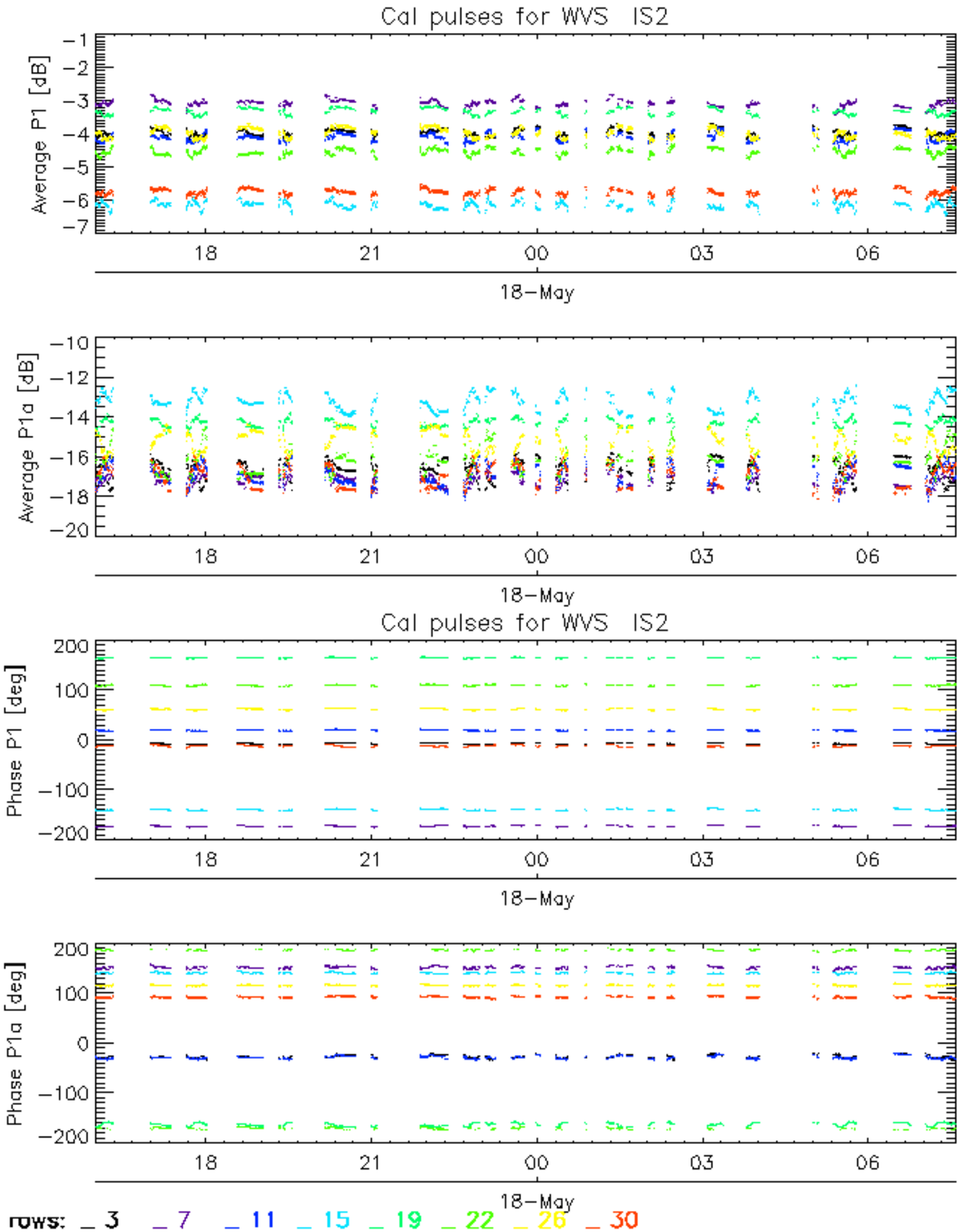
7.5 - Absolute Doppler for GM1

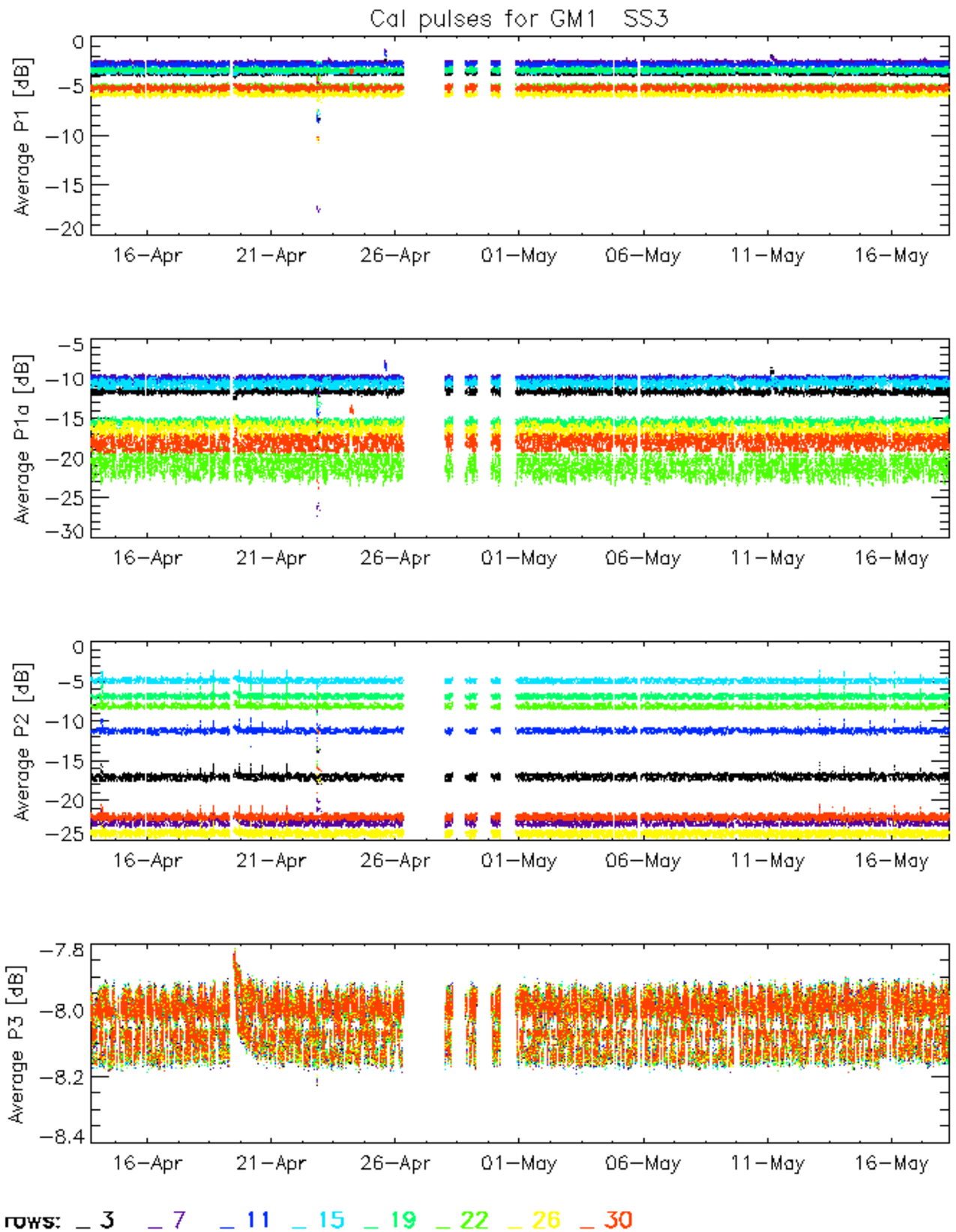
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

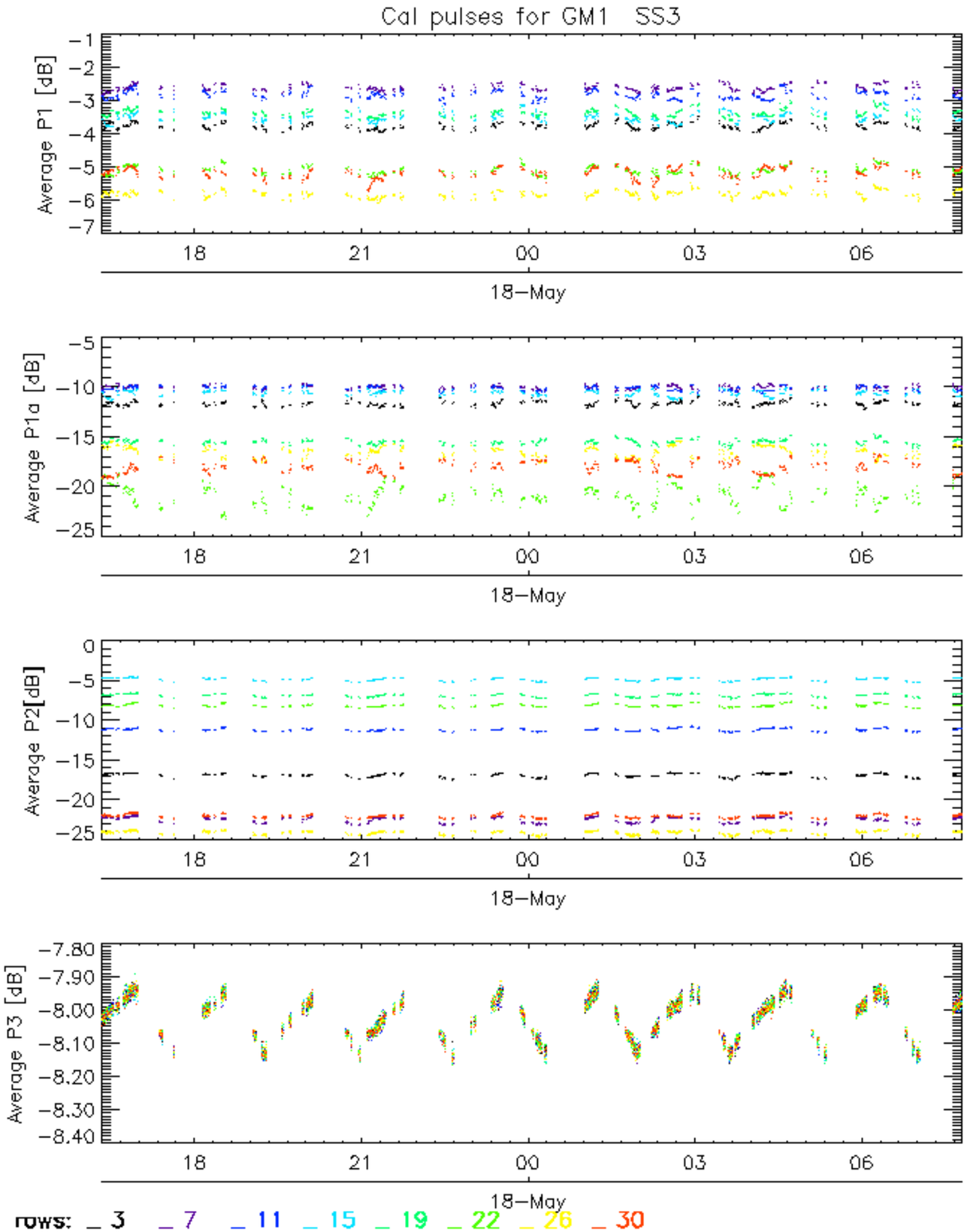
7.6 - Doppler evolution versus ANX for GM1

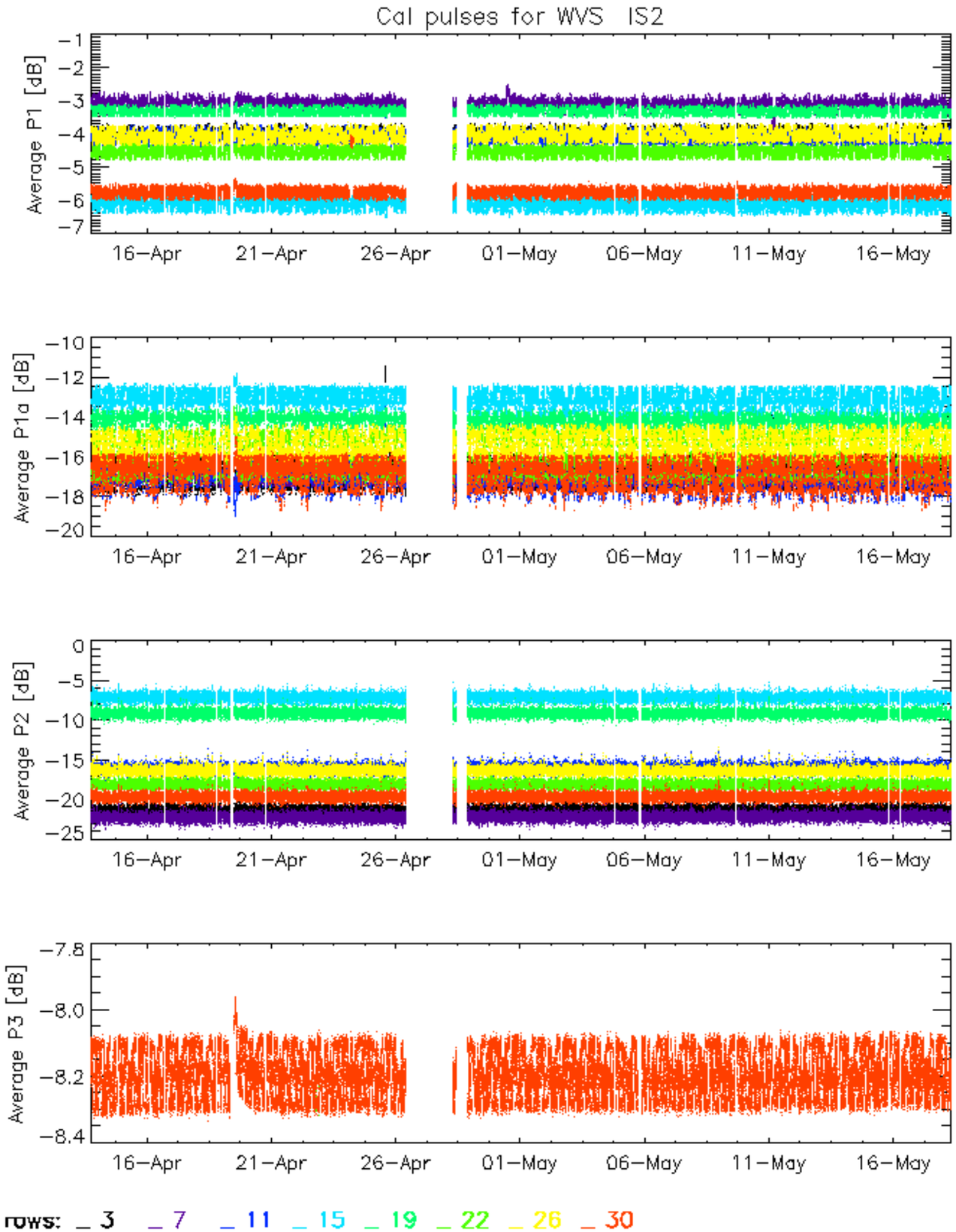
Evolution Doppler error versus ANX
☒

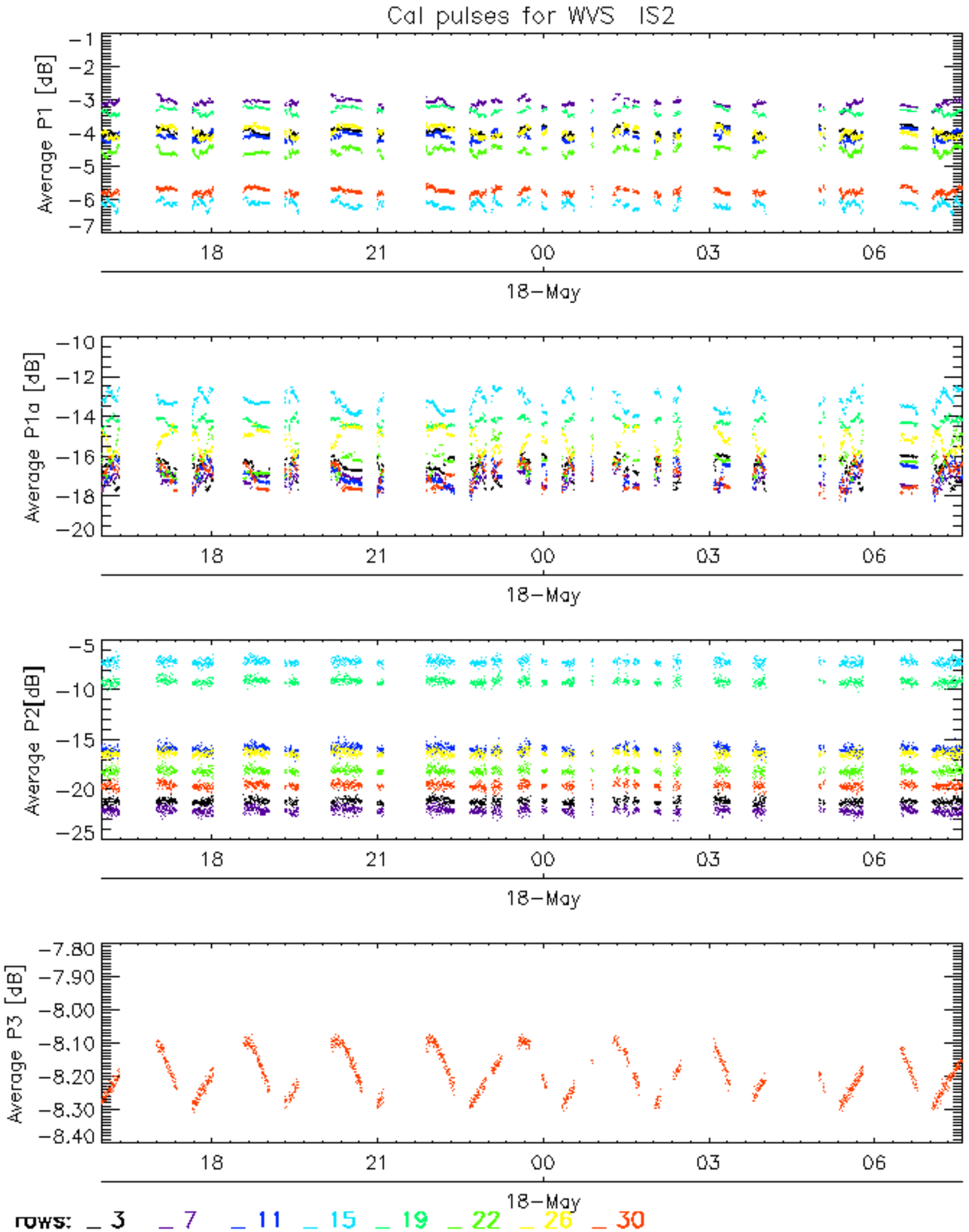

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
18−May
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
18−May
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
18−May
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
18−May
rows: _ 3 _ 7 _ 11 _ 15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


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


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

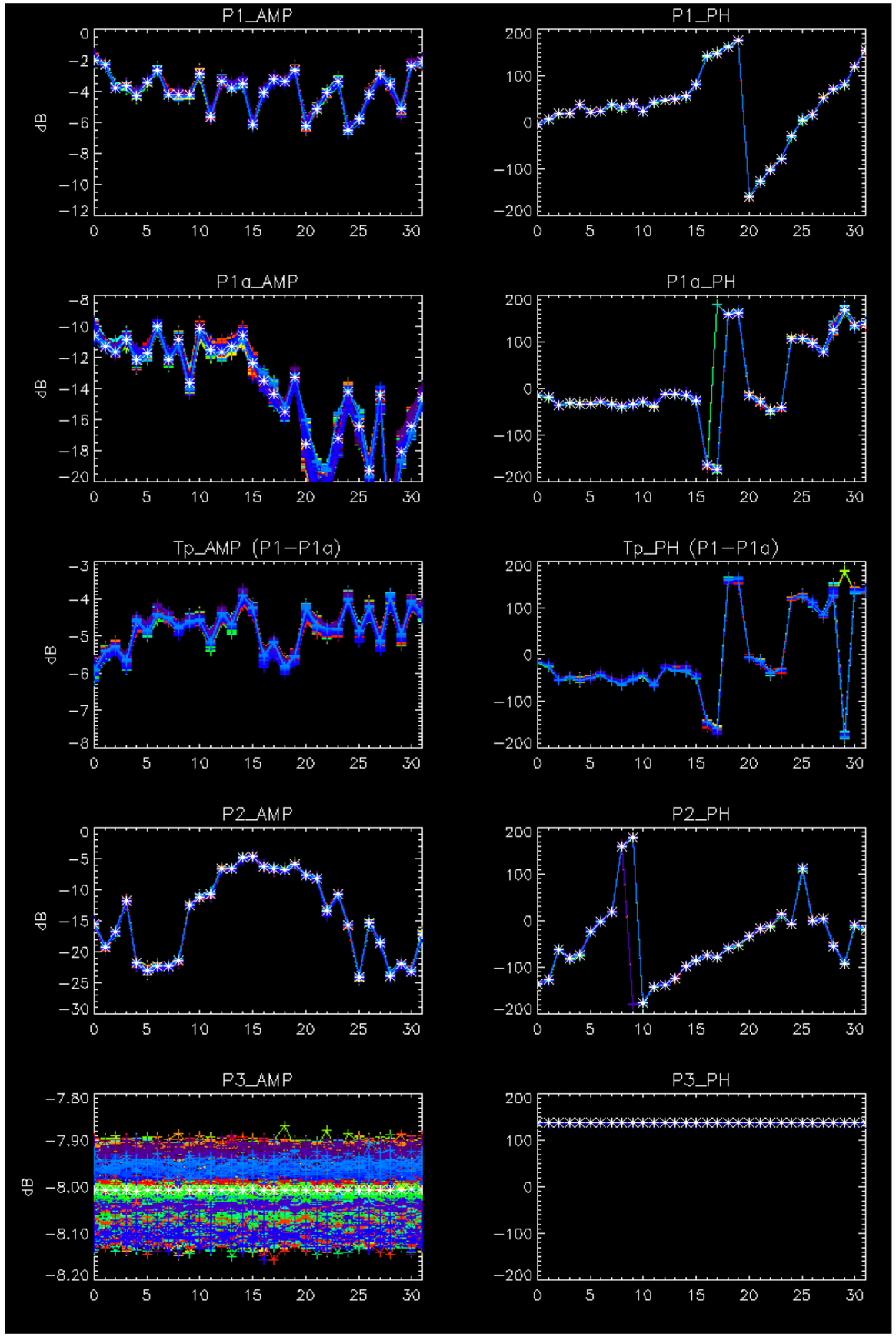

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
18−May
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
18−May
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
18−May
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
18−May
rows: _ 3 _ 7 _ 11 _ 15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

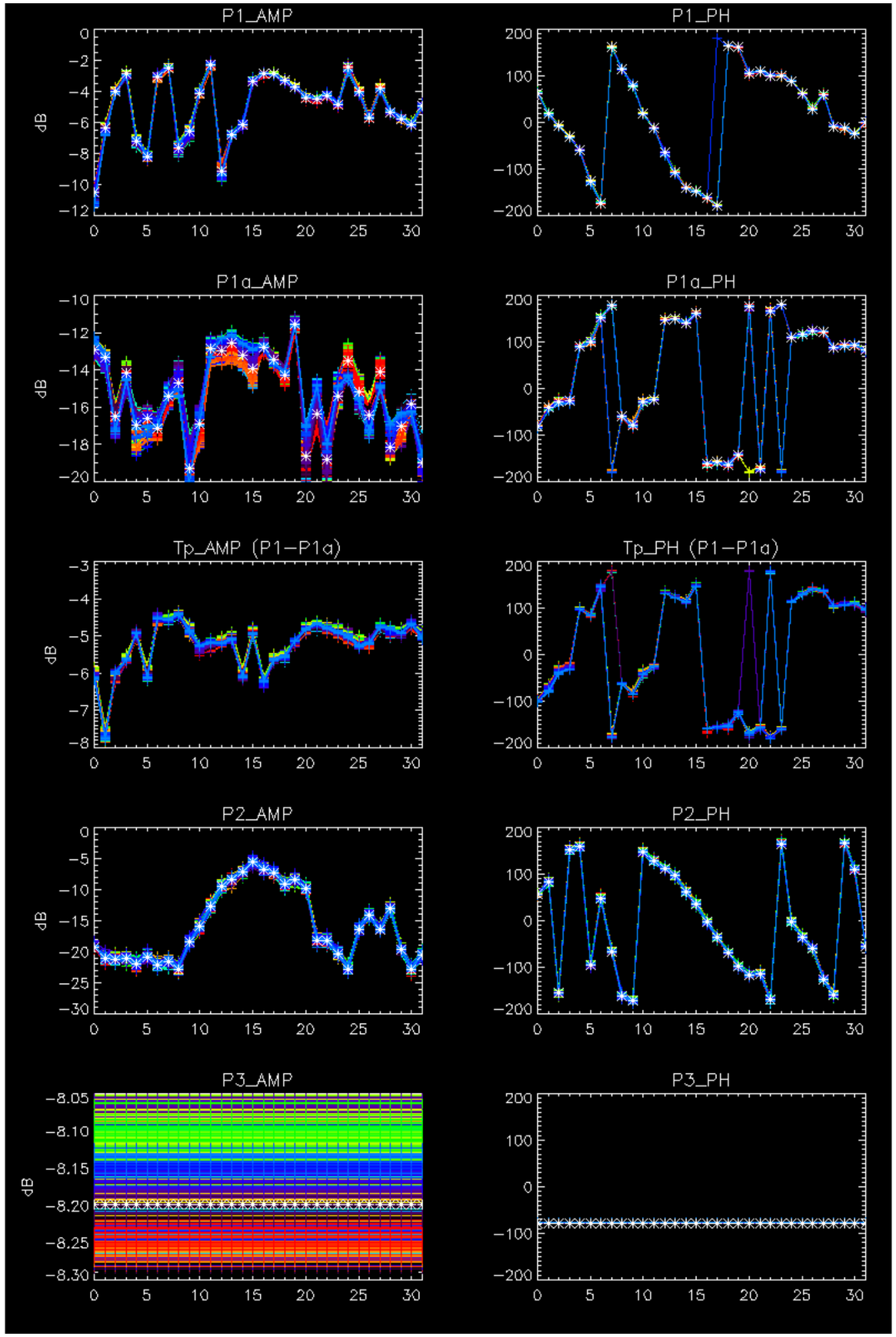

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No unavailabilities during the reported period.

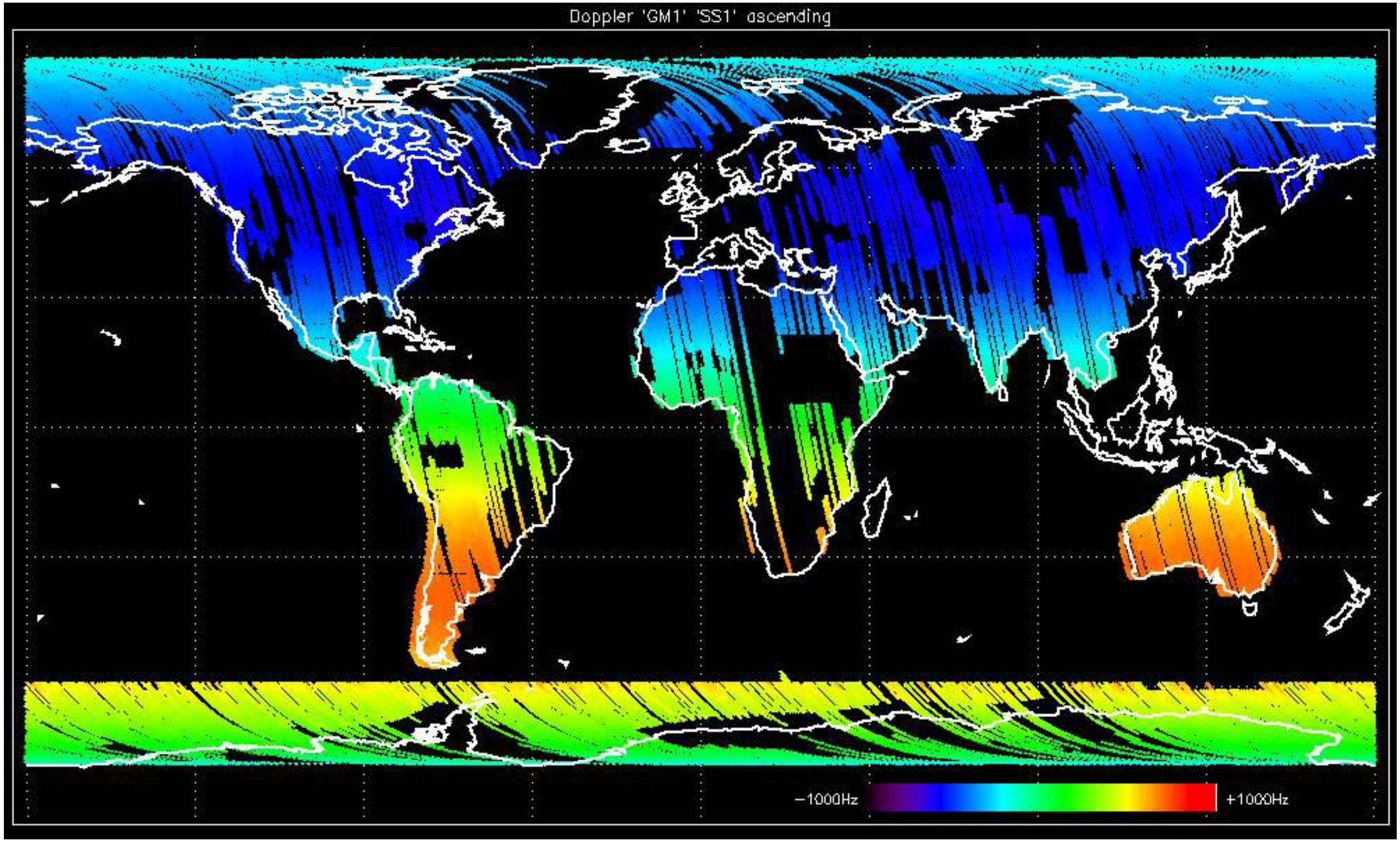
No anomalies observed.

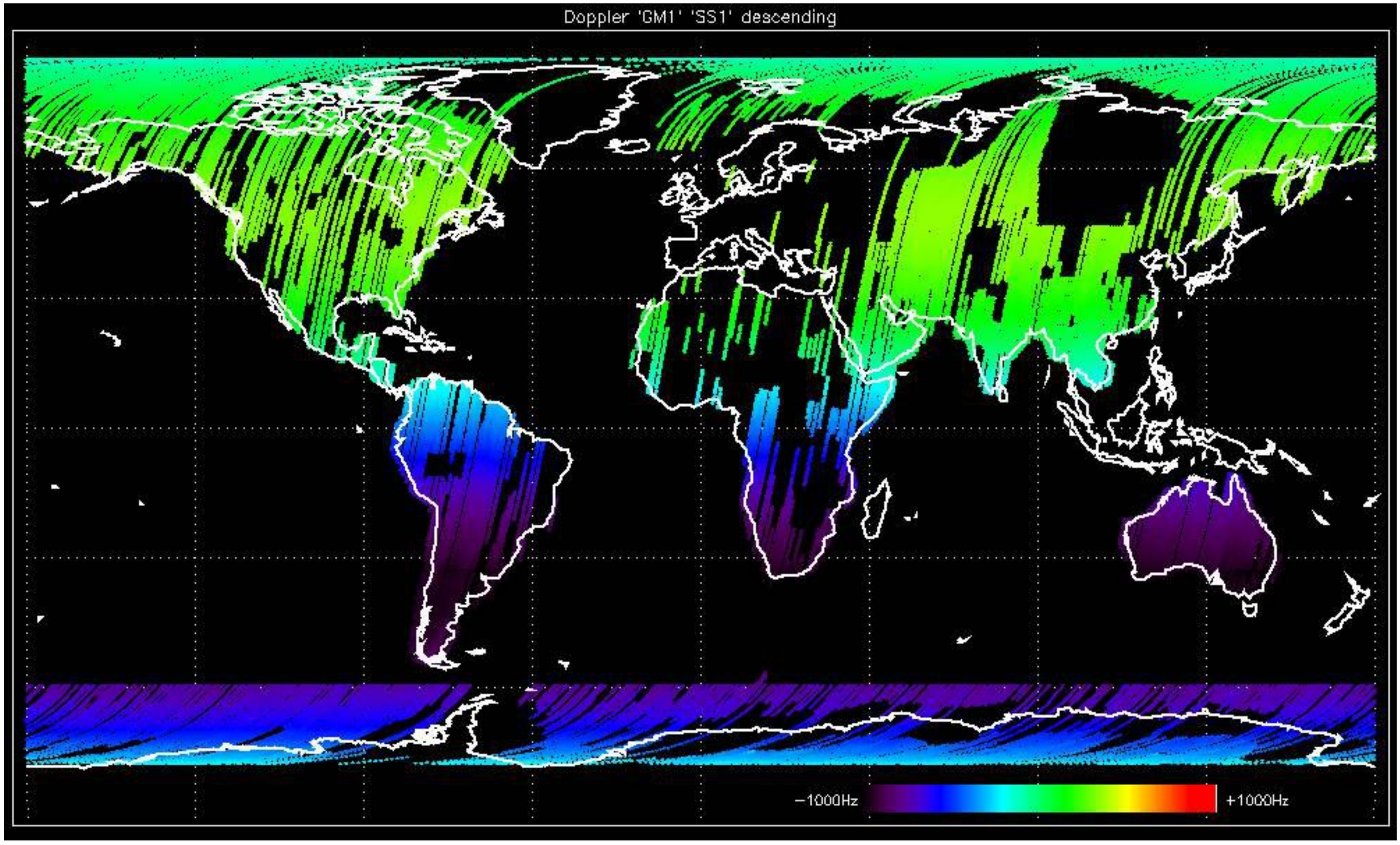

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

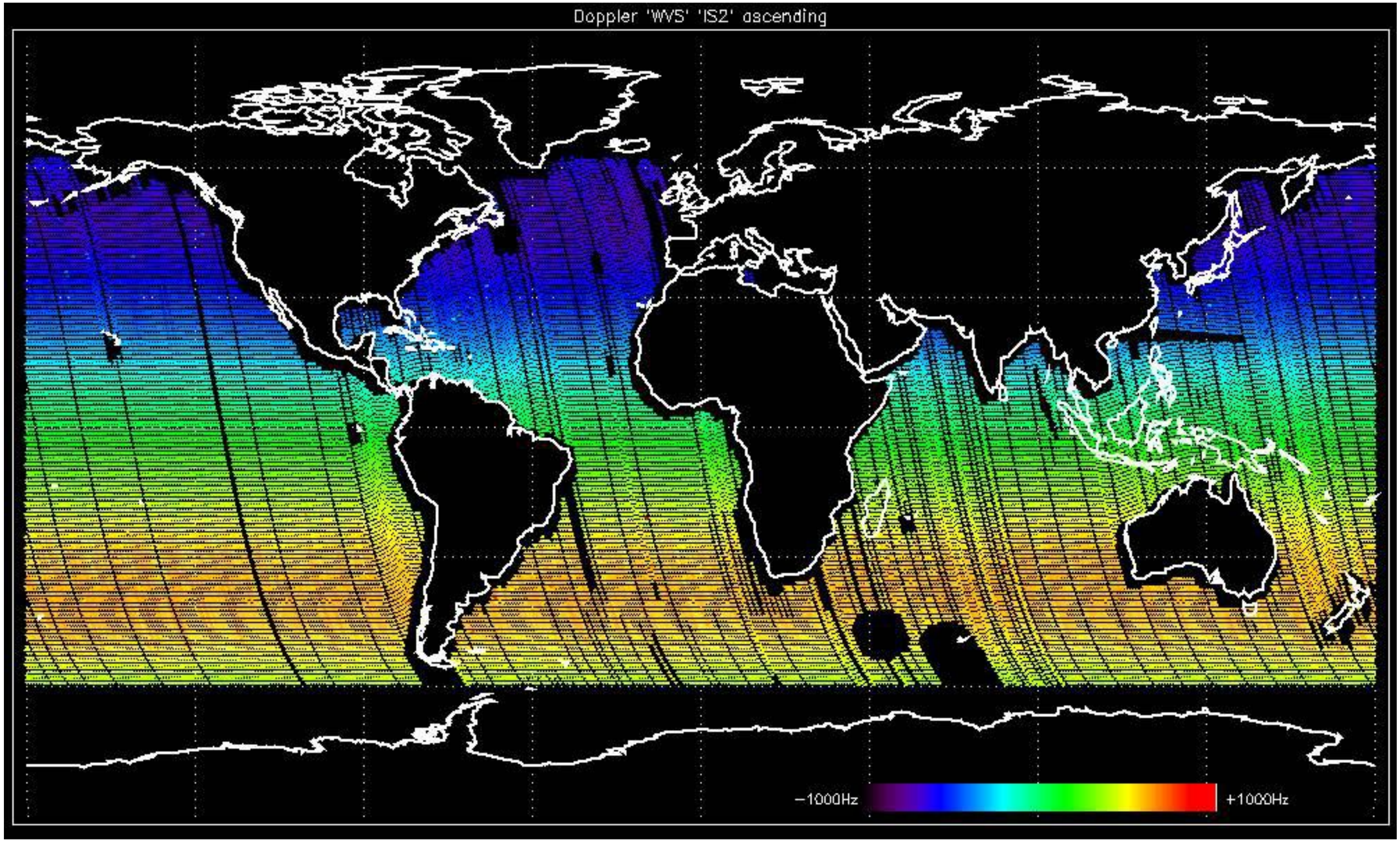

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

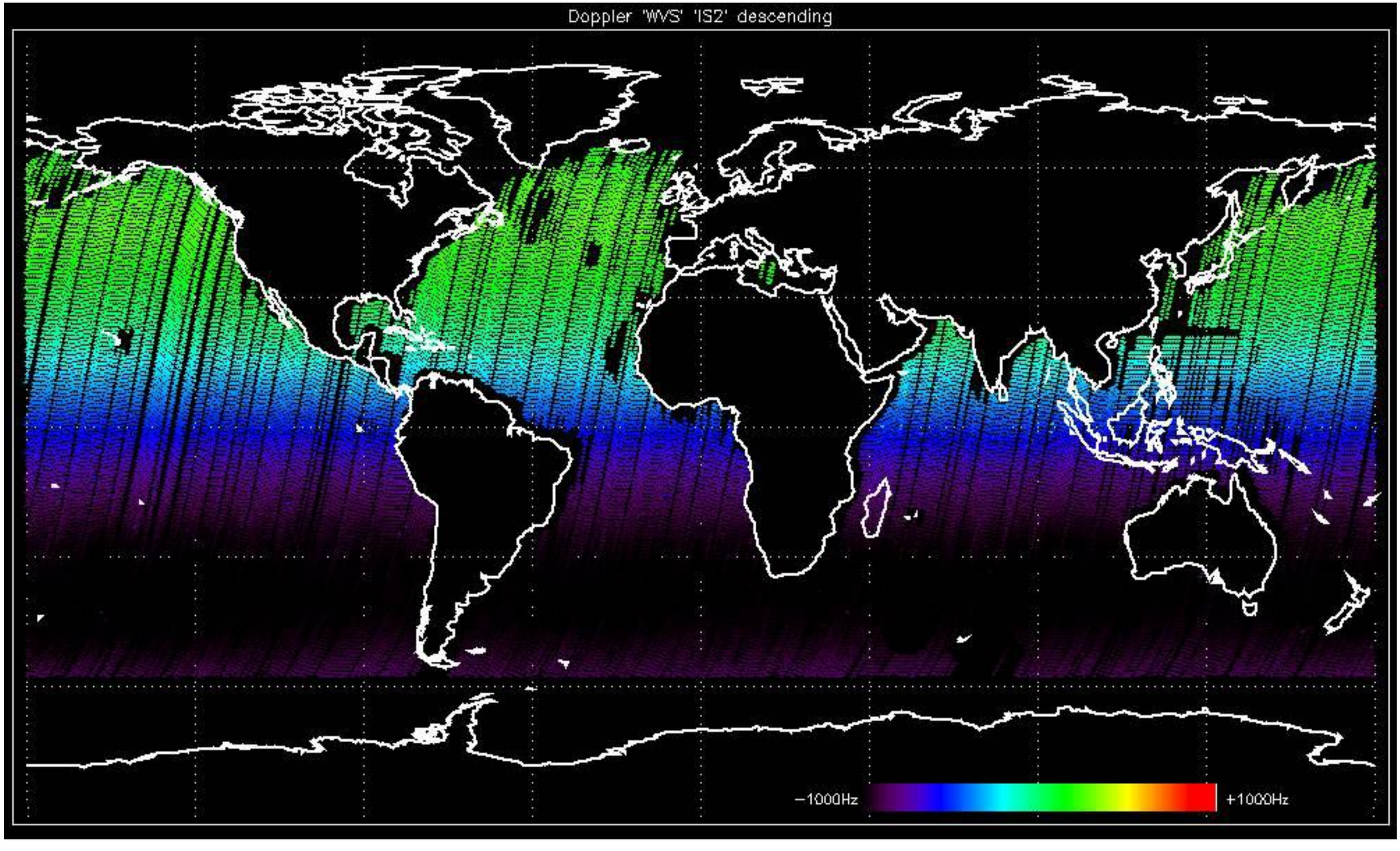
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

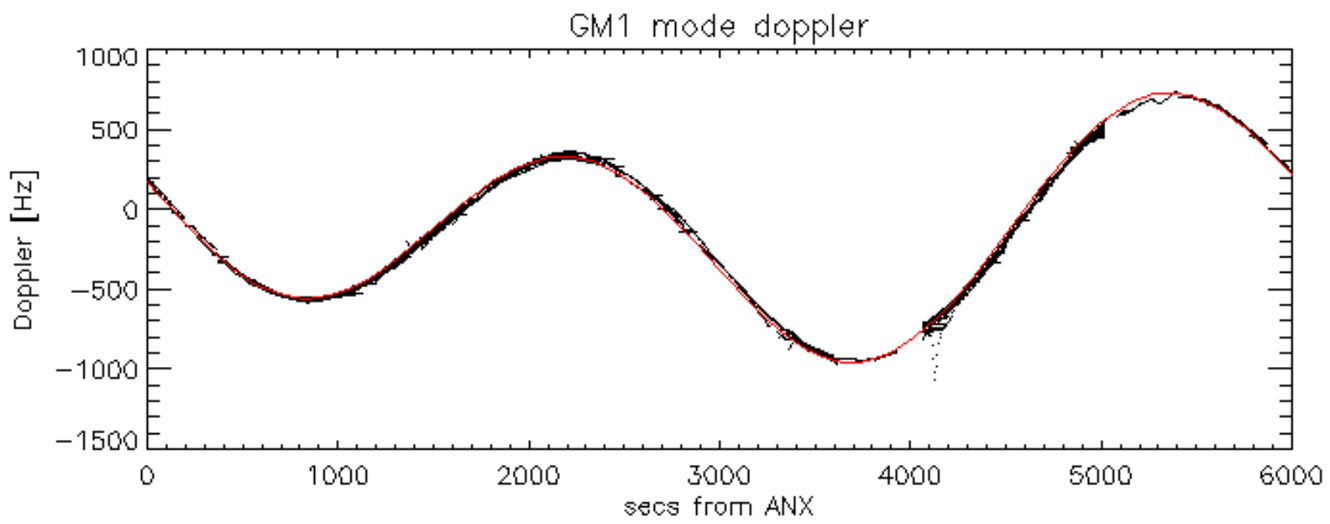
Preliminary report.The data is not yet controled

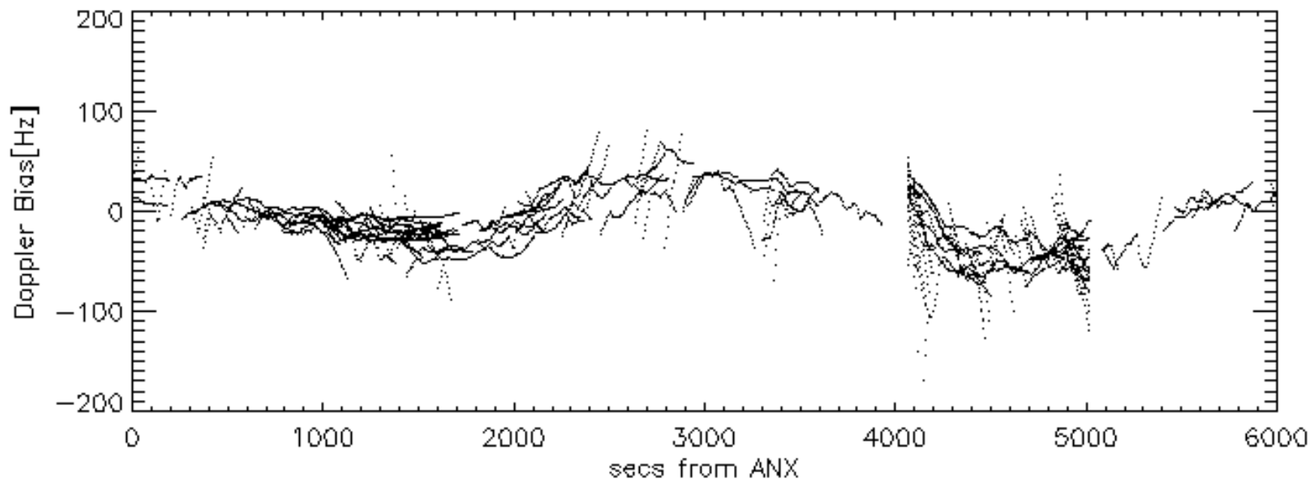

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

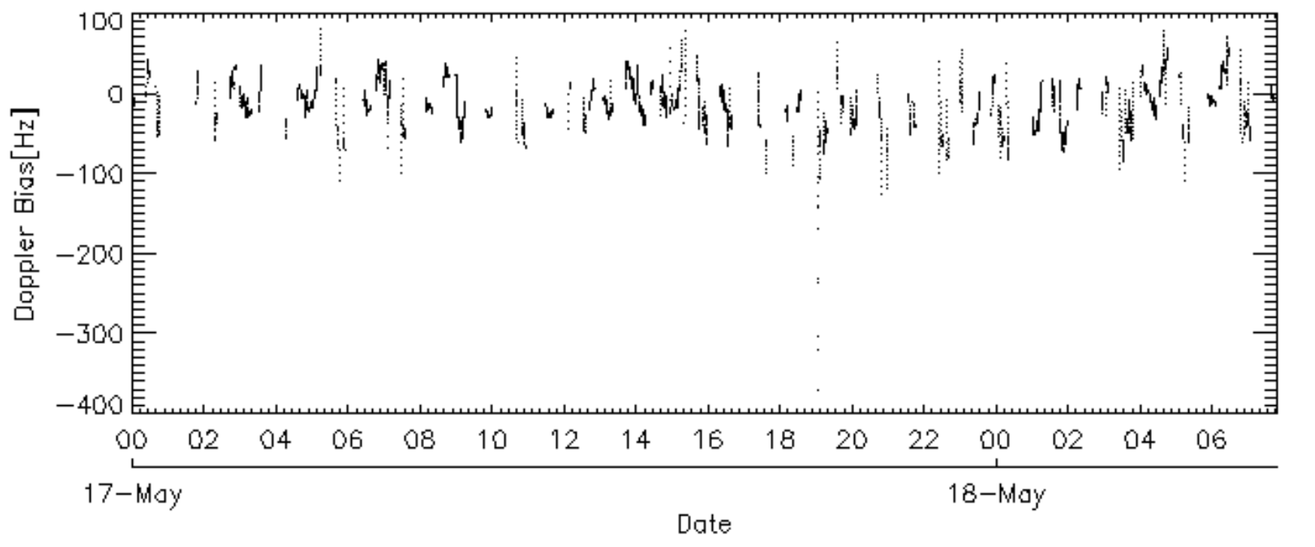

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

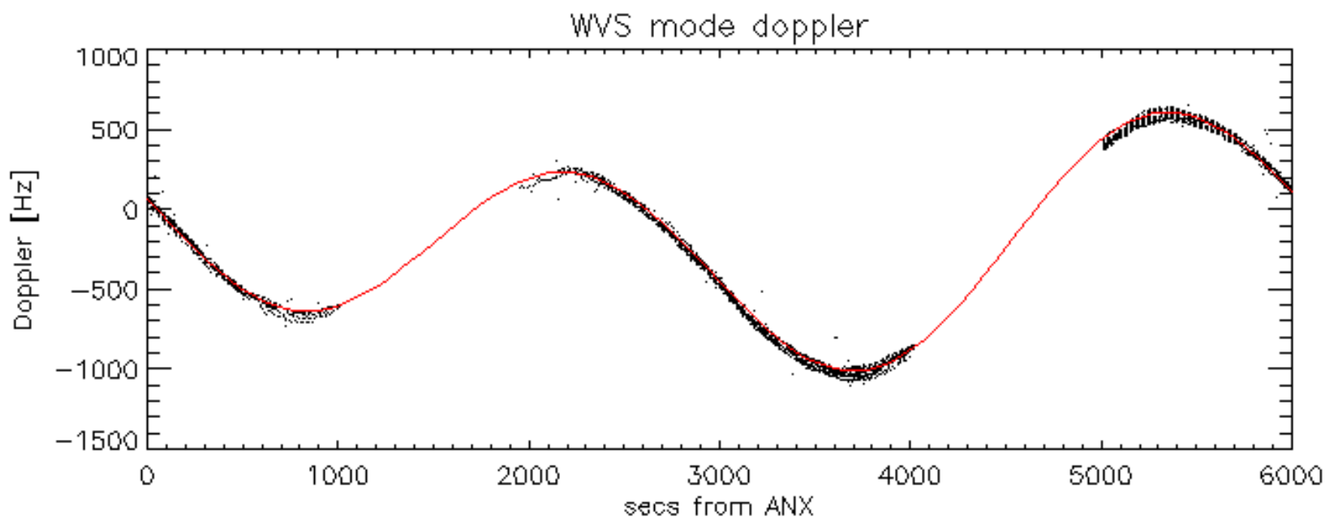

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

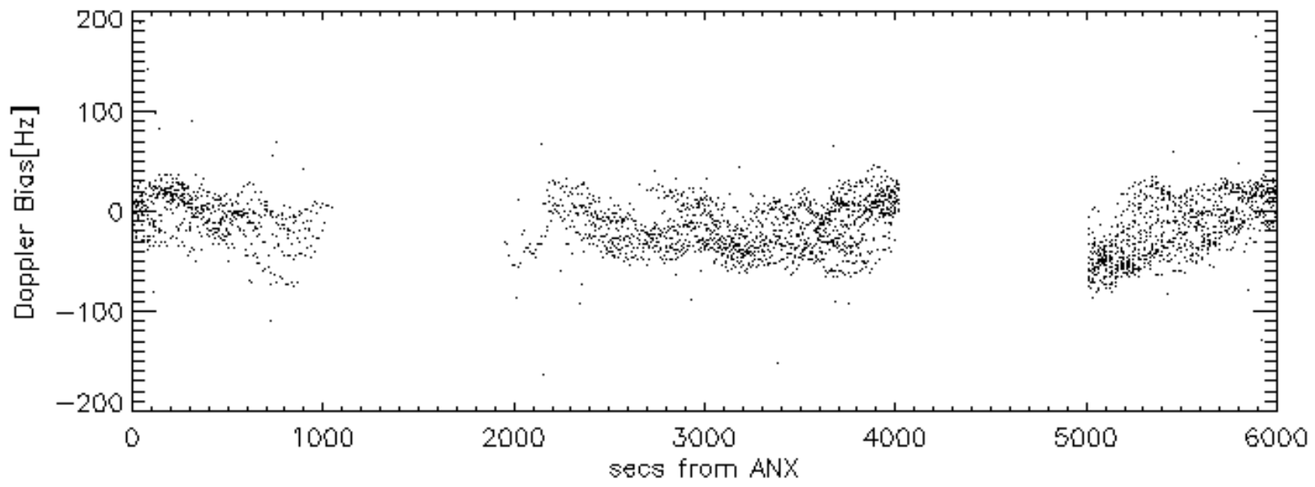

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

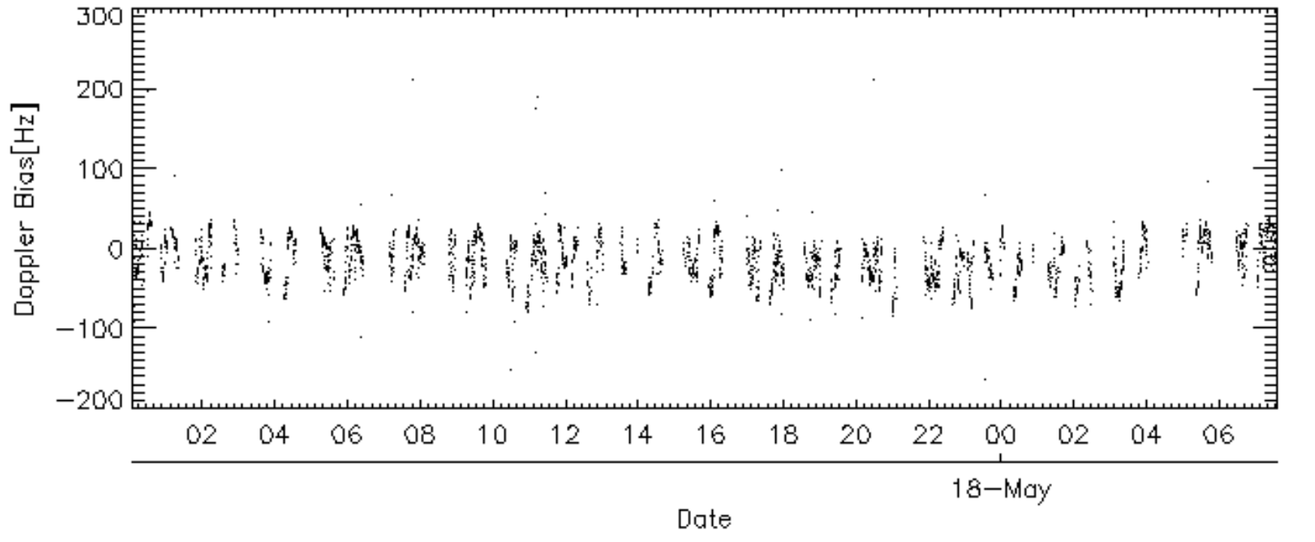

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

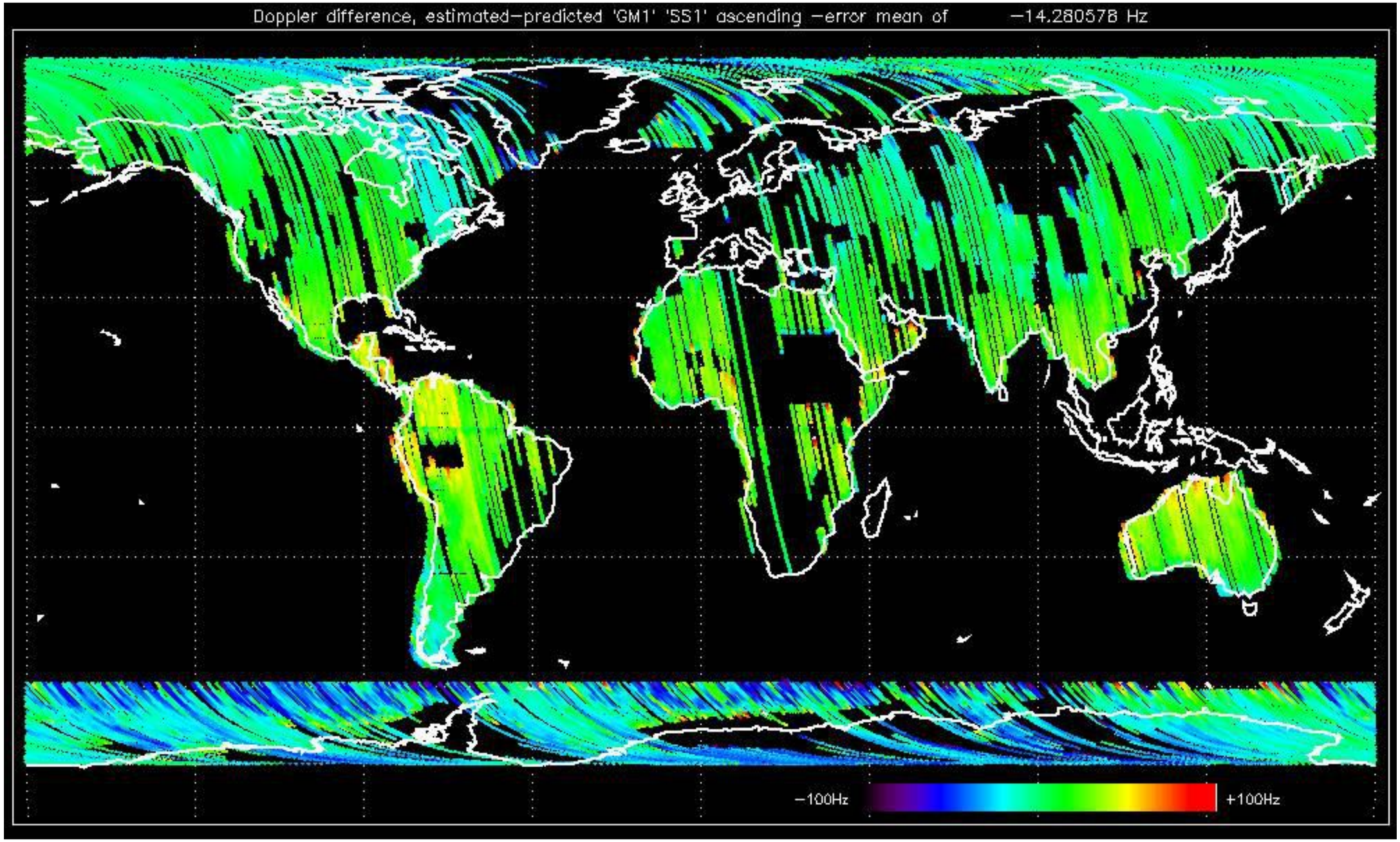

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

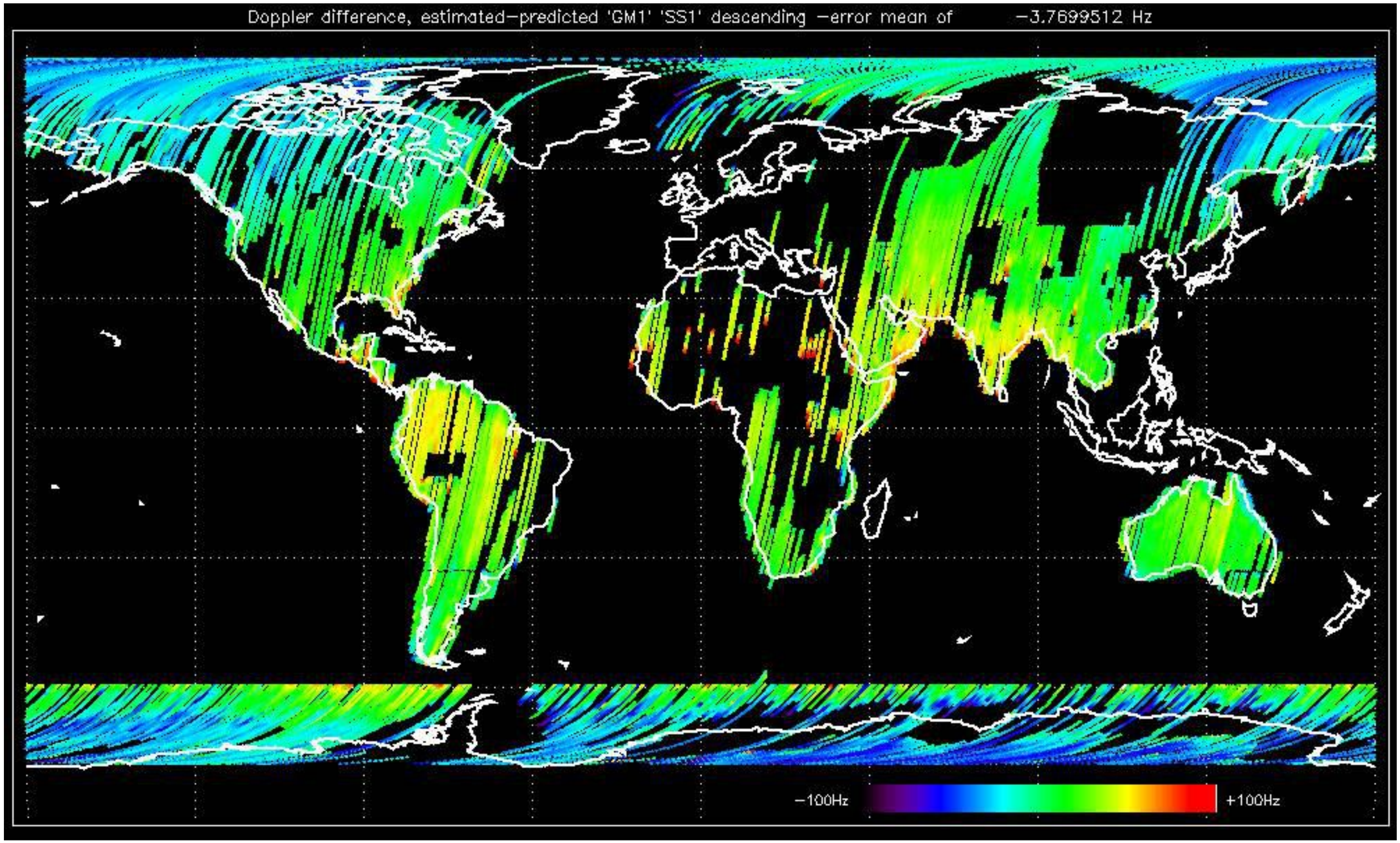

Doppler Bias[Hz]
100
0
−100
−200
−300
−400
00
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
17−May
18−May
Date

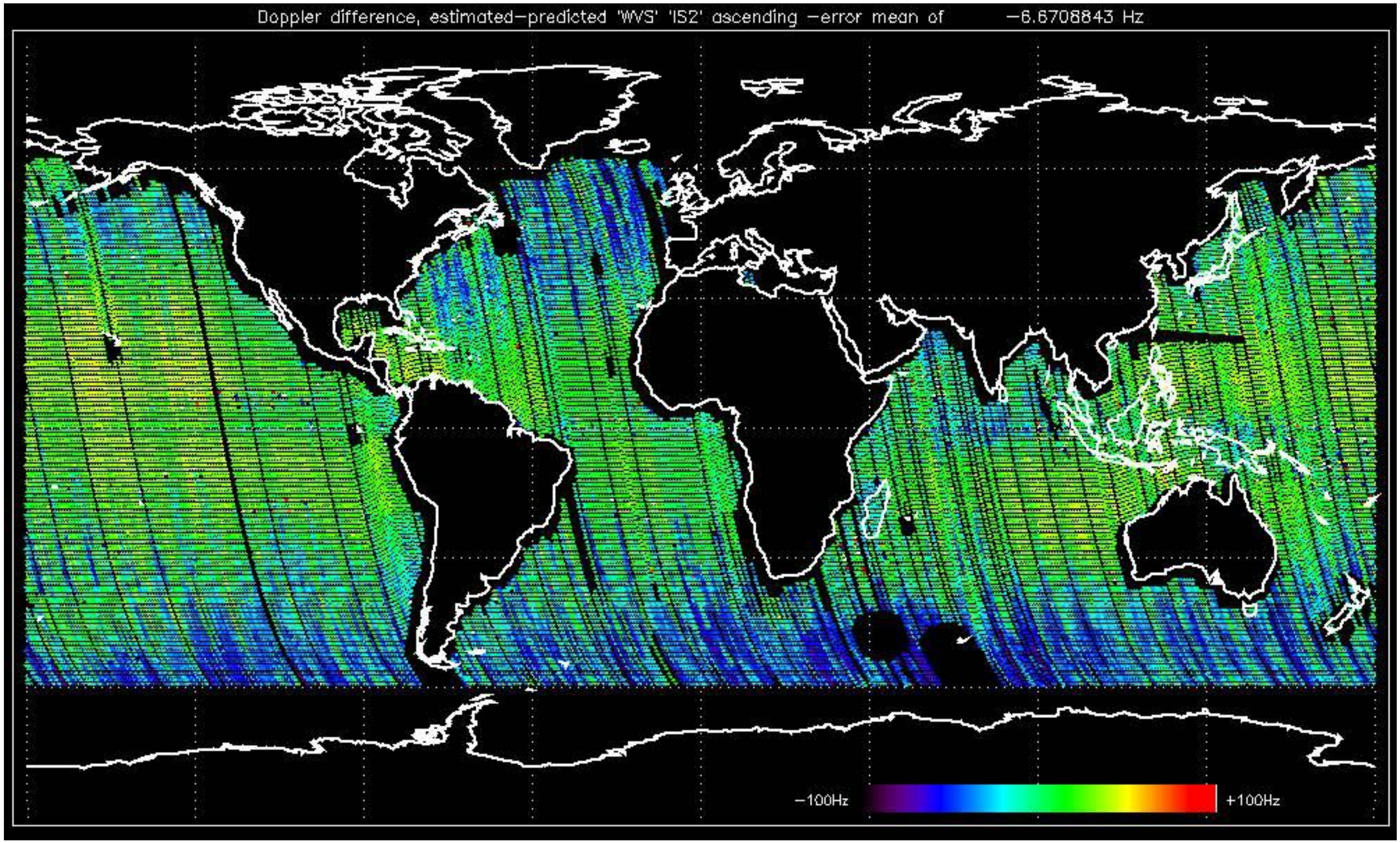

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

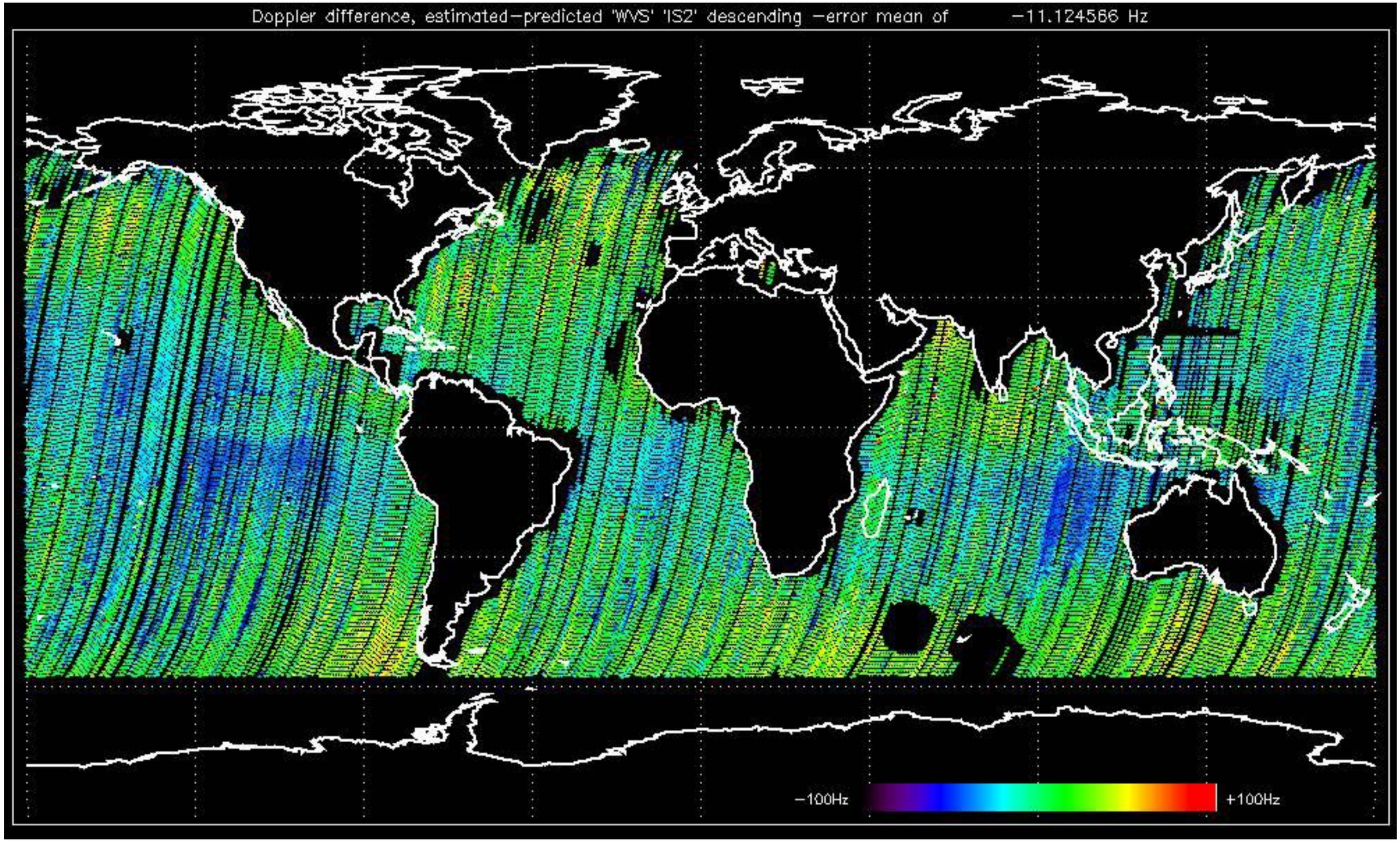

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −14.280578 Hz
−100Hz
+100Hz

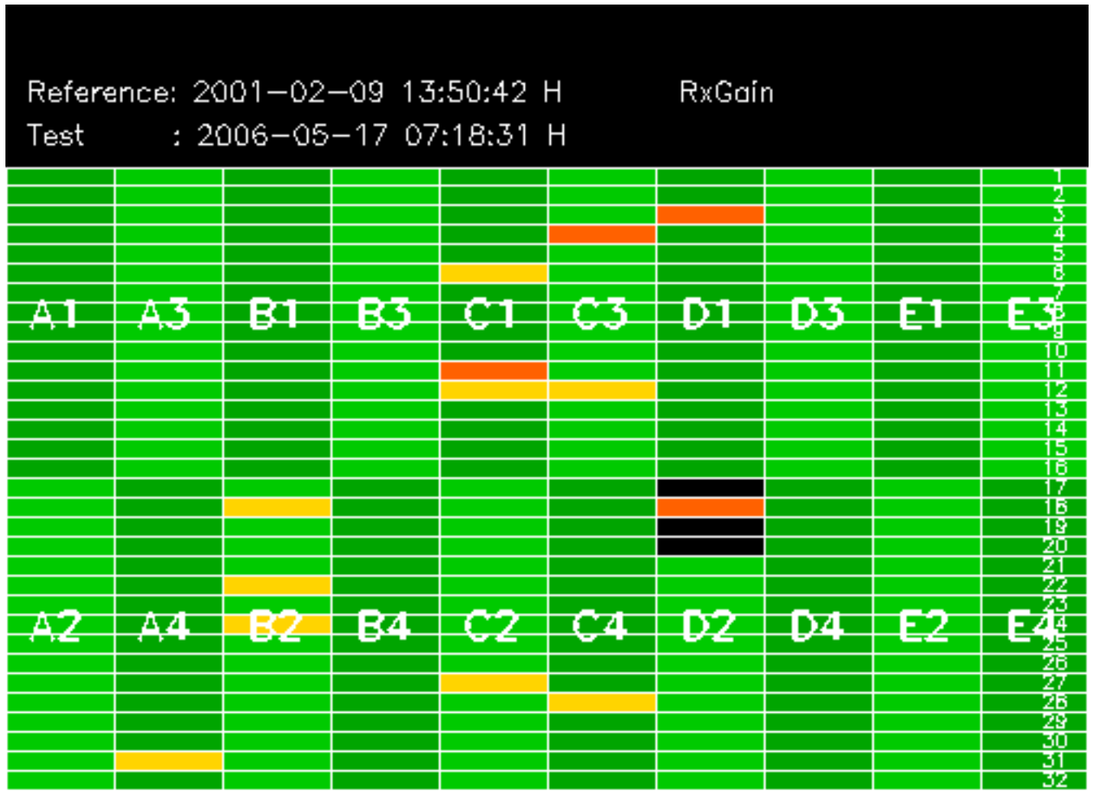

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -3.7699512 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.6708843 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.124566 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-05-17 07:18:31 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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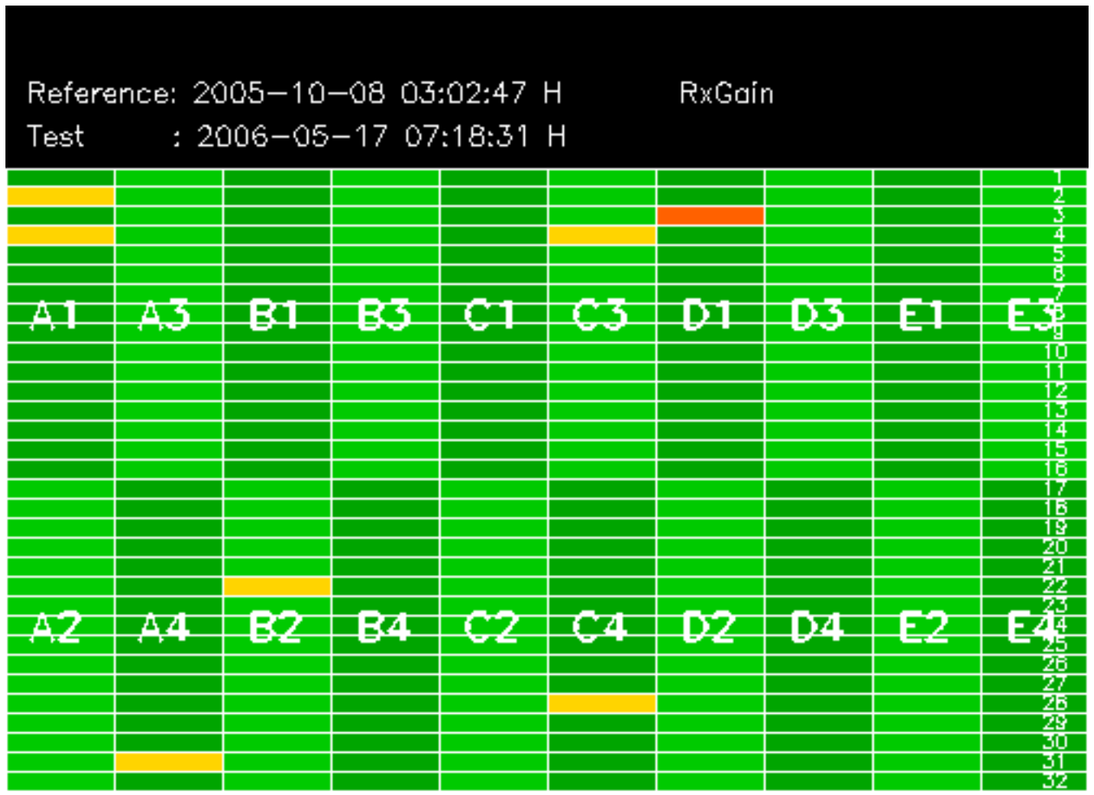
Reference: 2005-10-08 03:02:47 H
Test : 2006-05-17 07:18:31 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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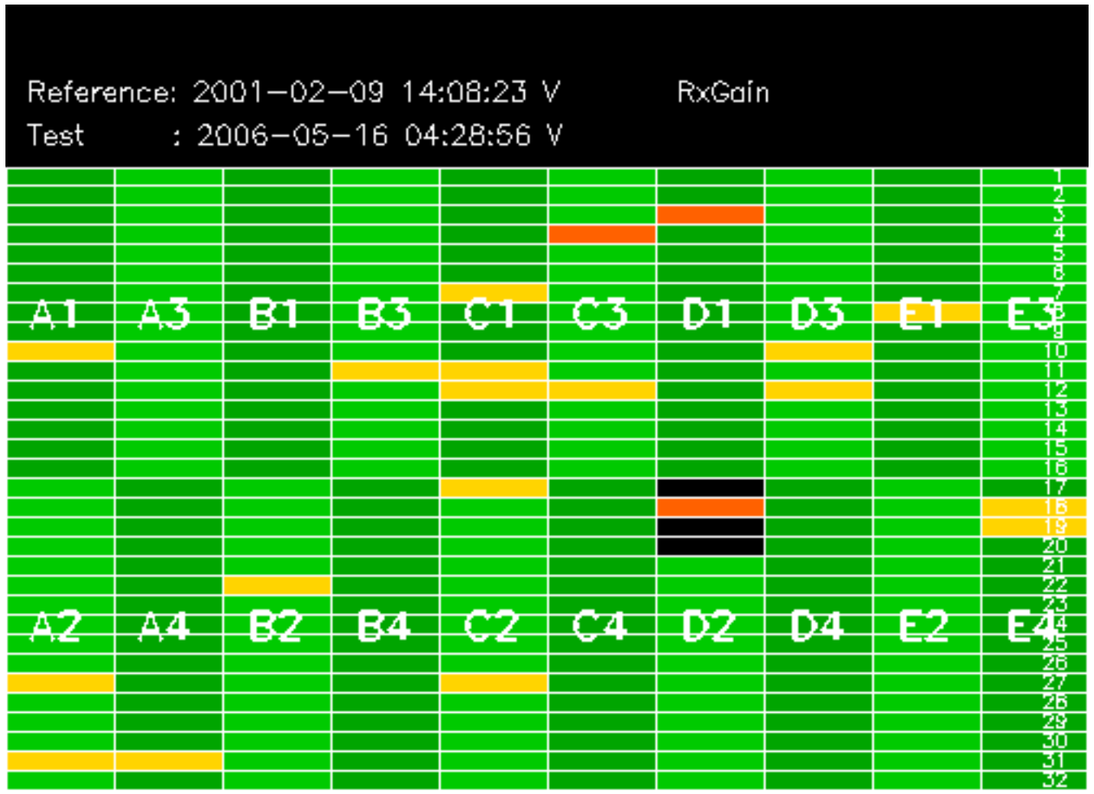
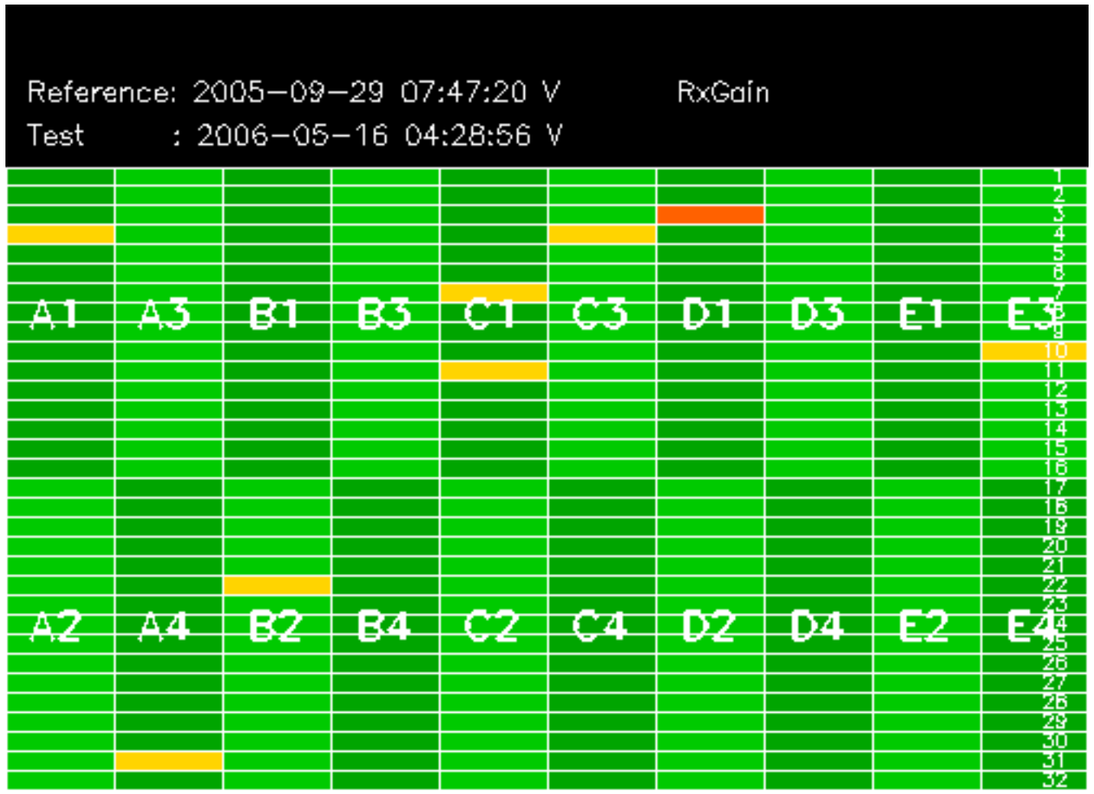

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-05-16 04:28:56 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-05-16 04:28:56 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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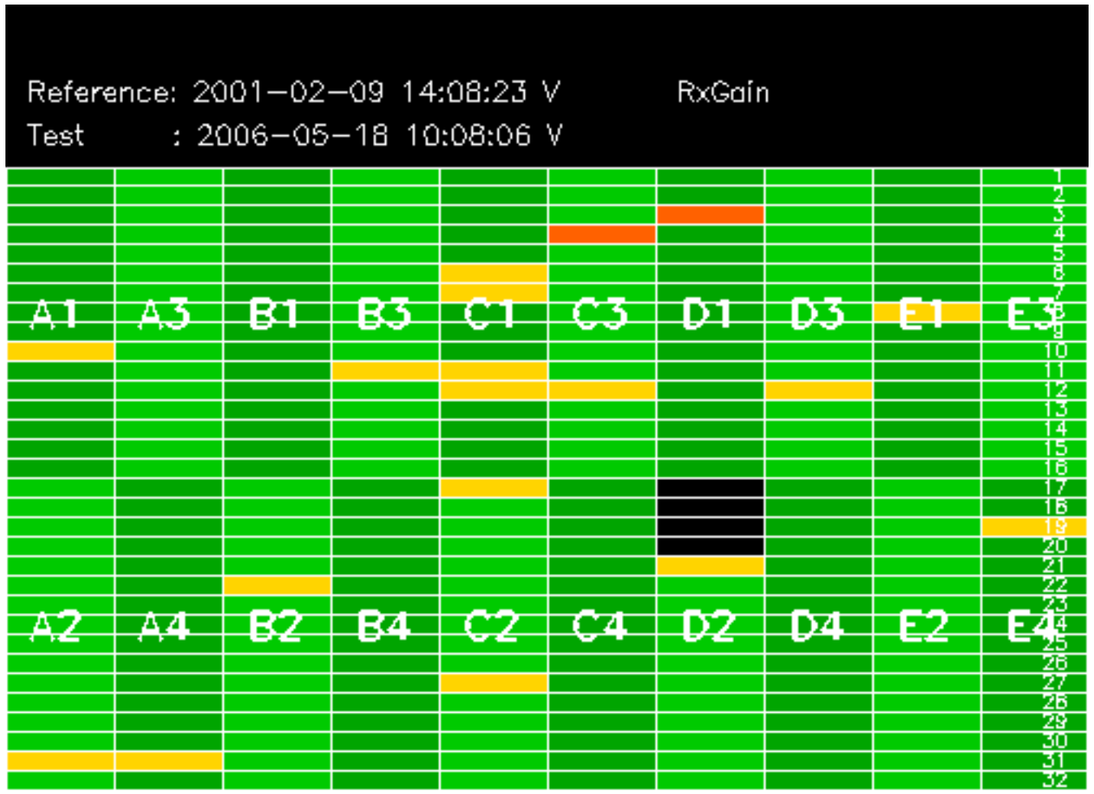
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-18 10:08:06 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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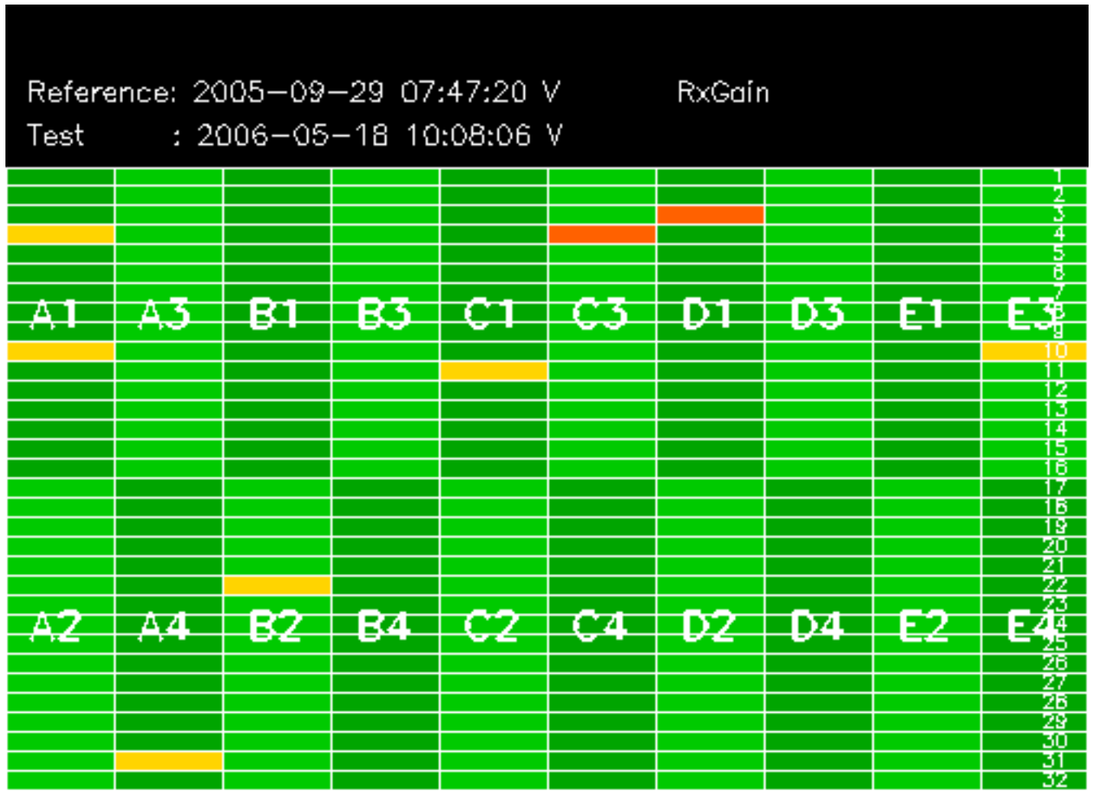
Reference: 2005-09-29 07:47:20 V
Test : 2006-05-18 10:08:06 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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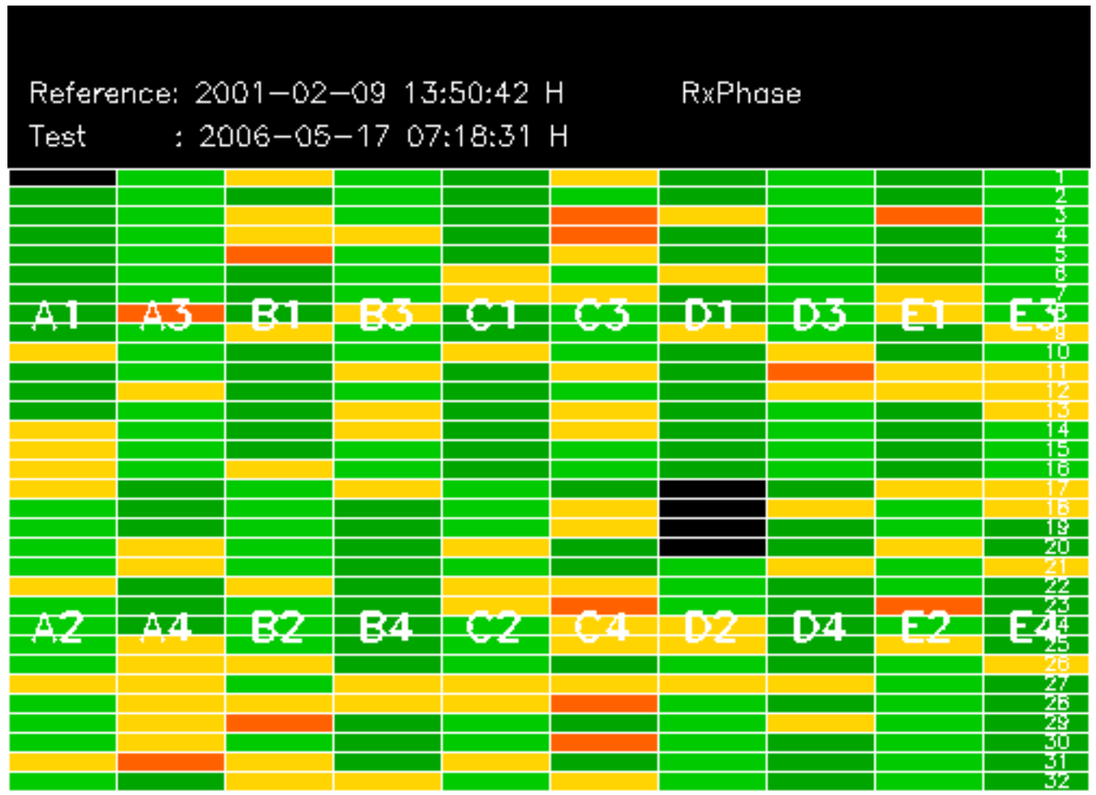
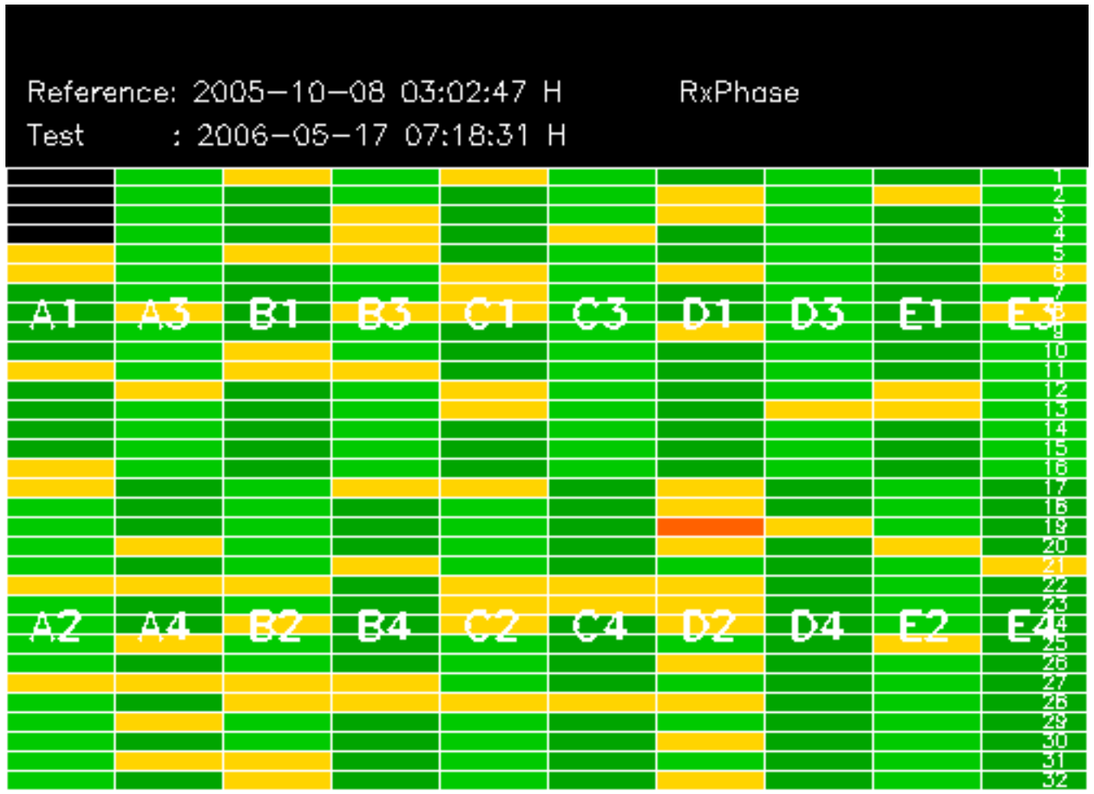

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-05-17 07:18:31 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-05-17 07:18:31 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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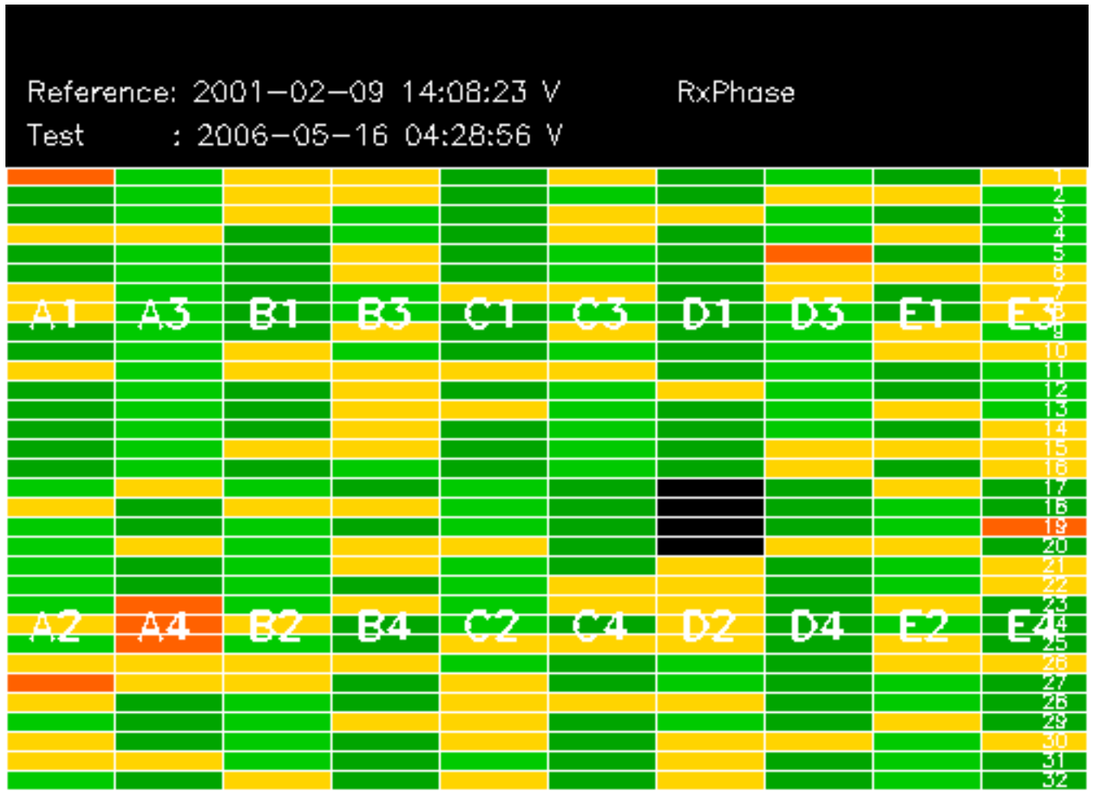
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-05-16 04:28:56 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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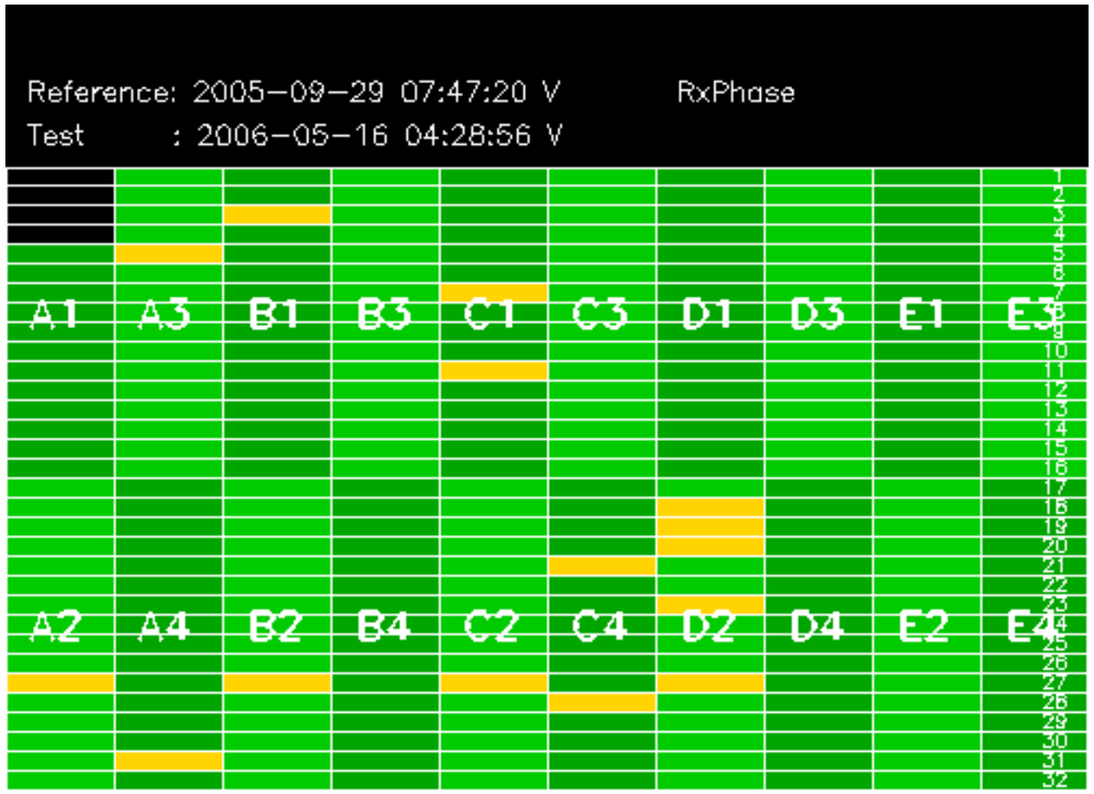
Reference: 2005-09-29 07:47:20 V
Test : 2006-05-16 04:28:56 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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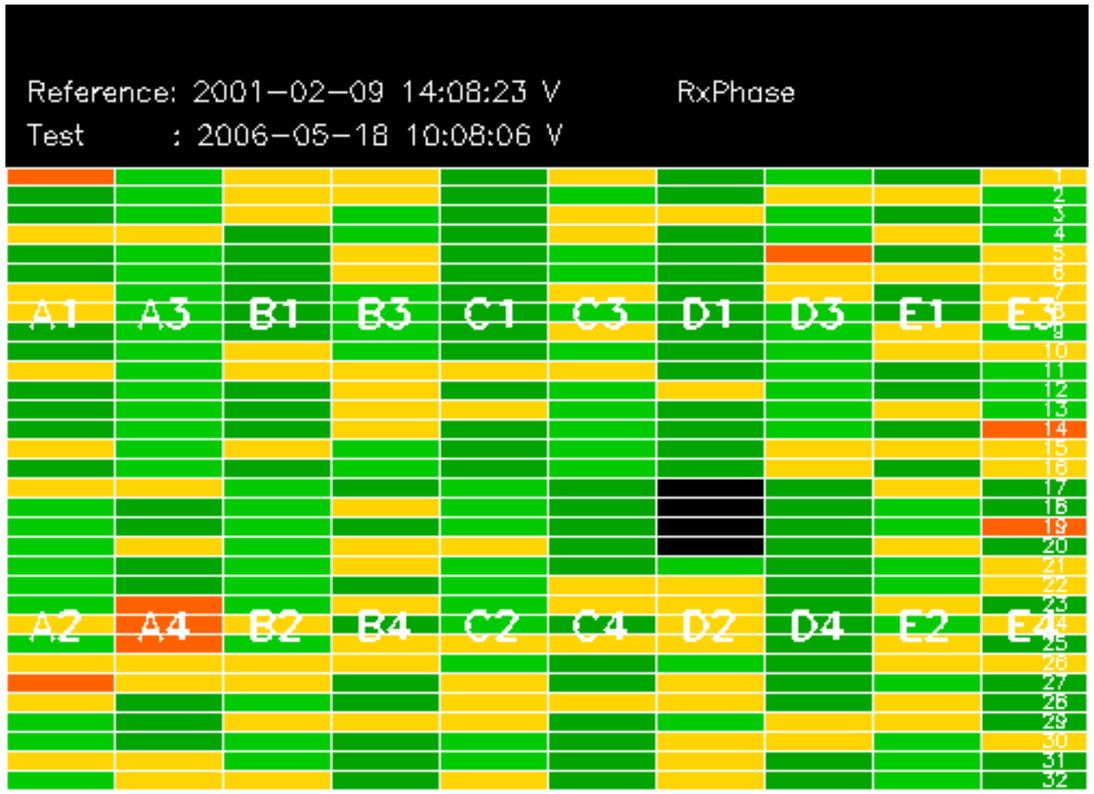
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-18 10:08:06 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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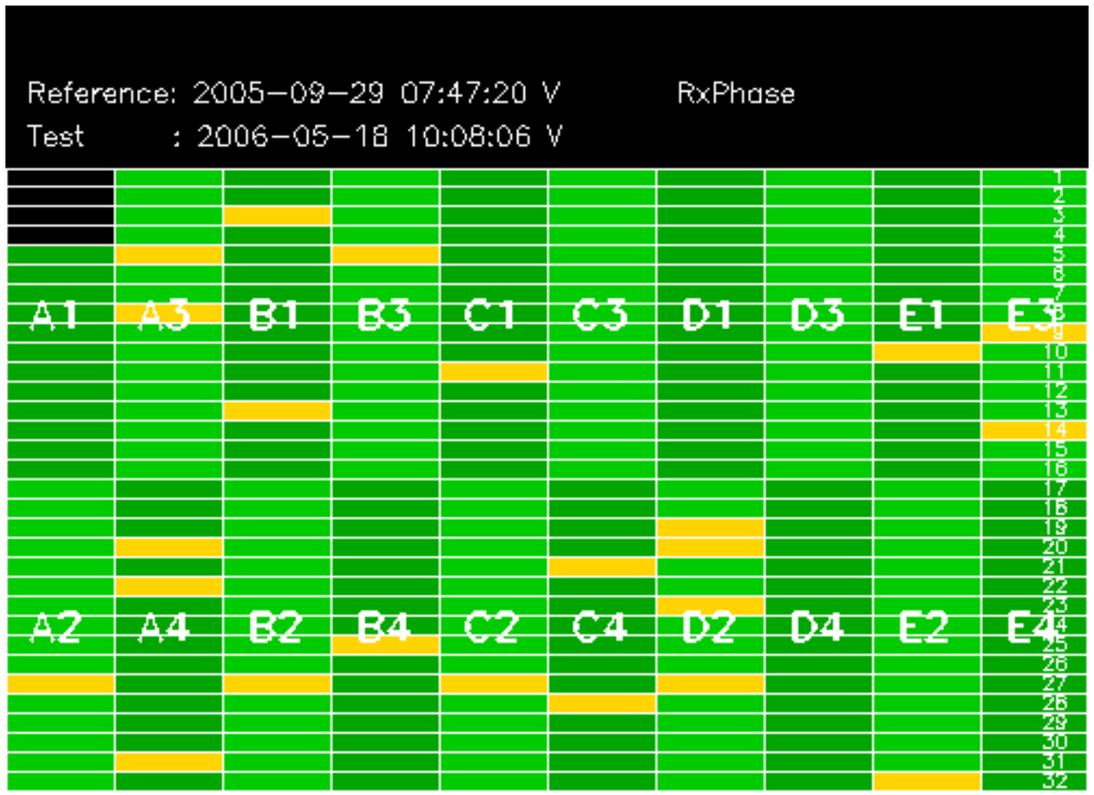
Reference: 2005-09-29 07:47:20 V
Test : 2006-05-18 10:08:06 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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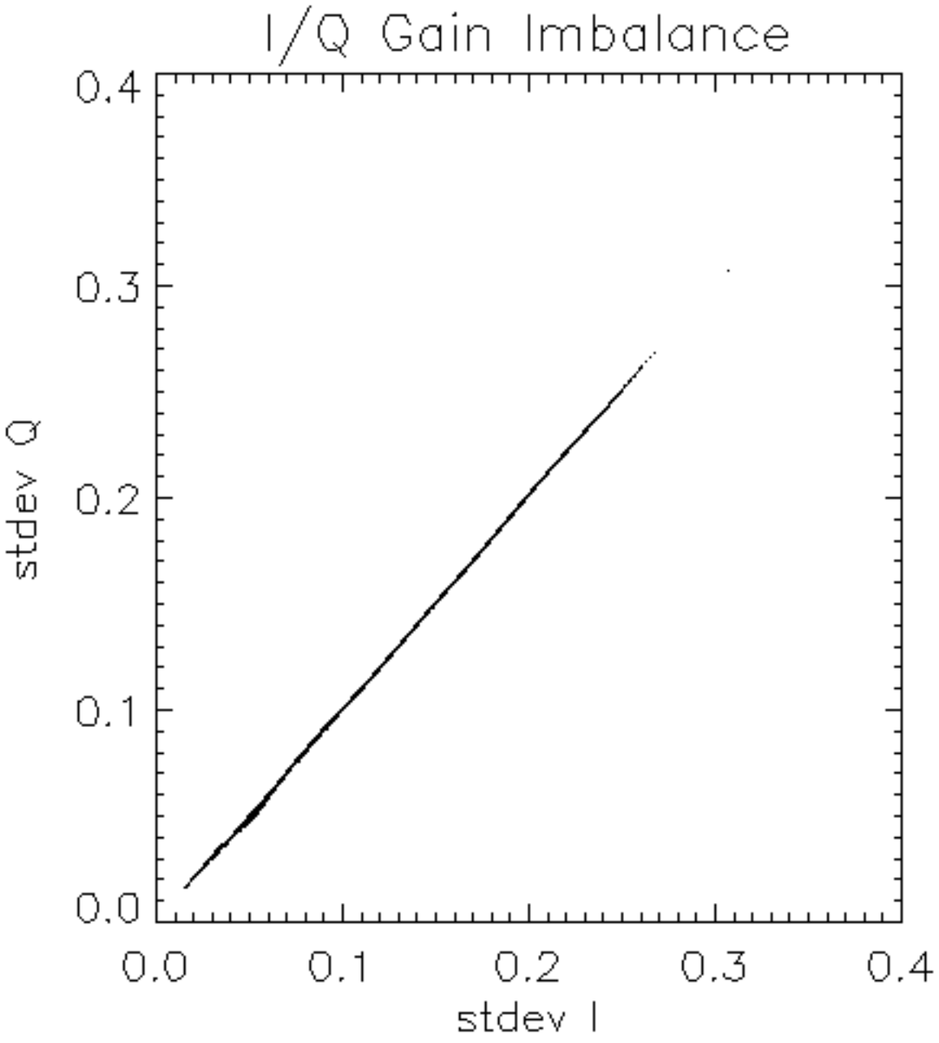
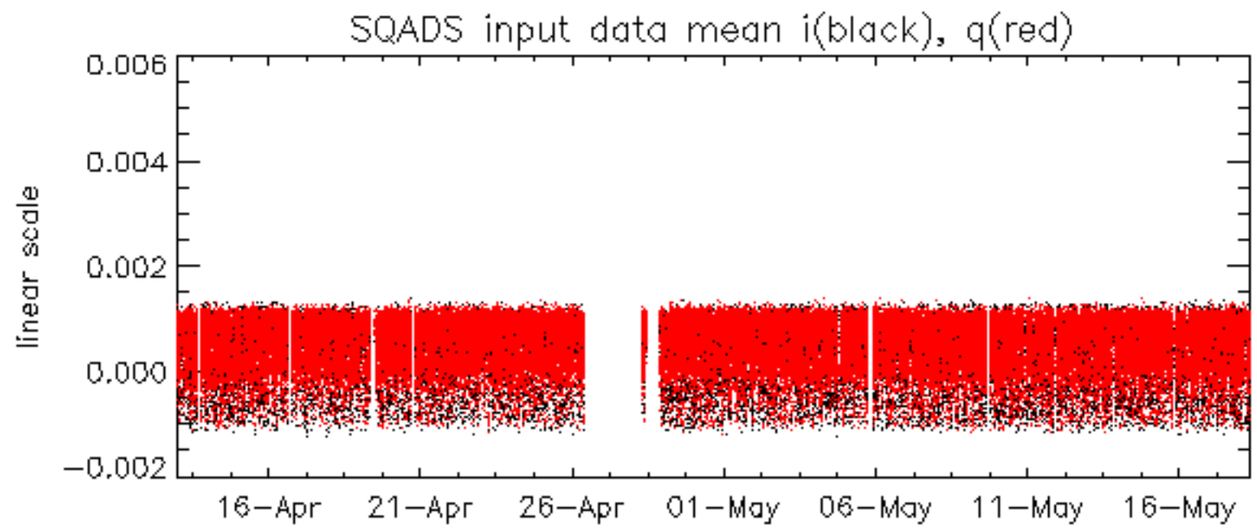
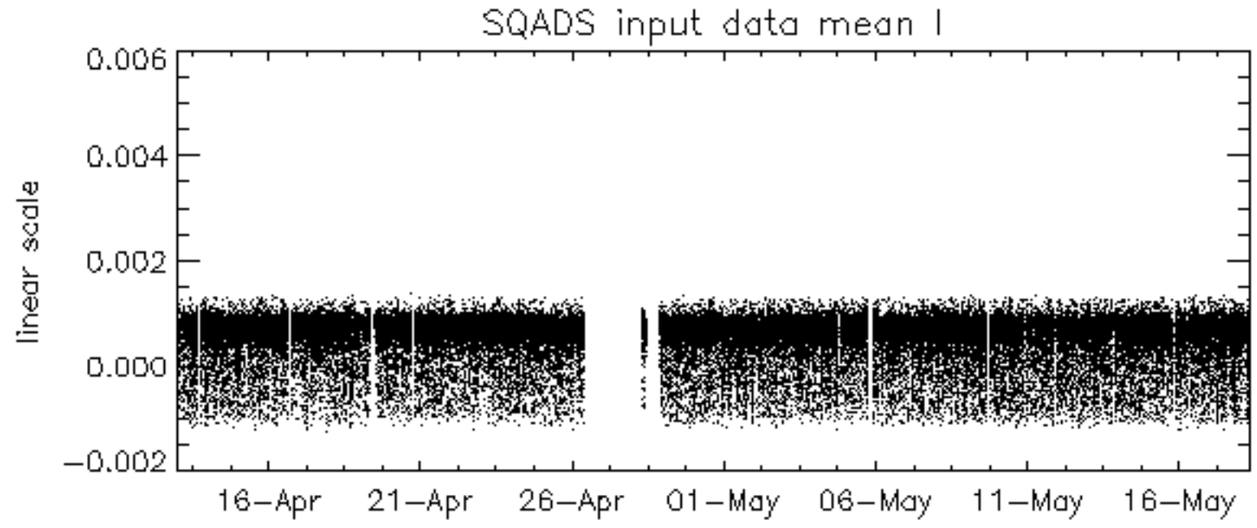
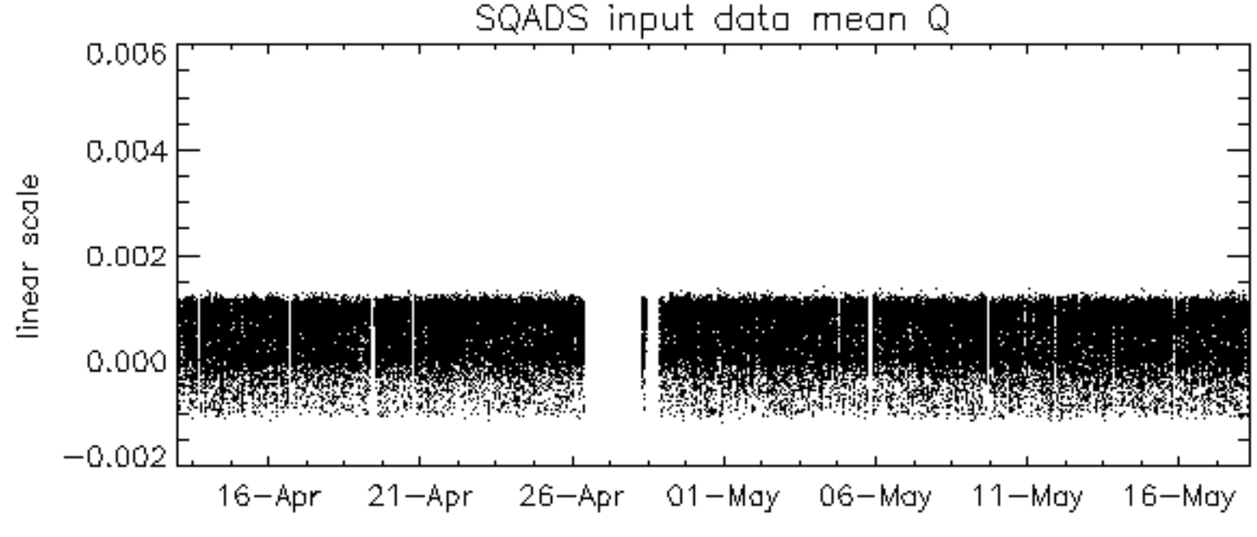
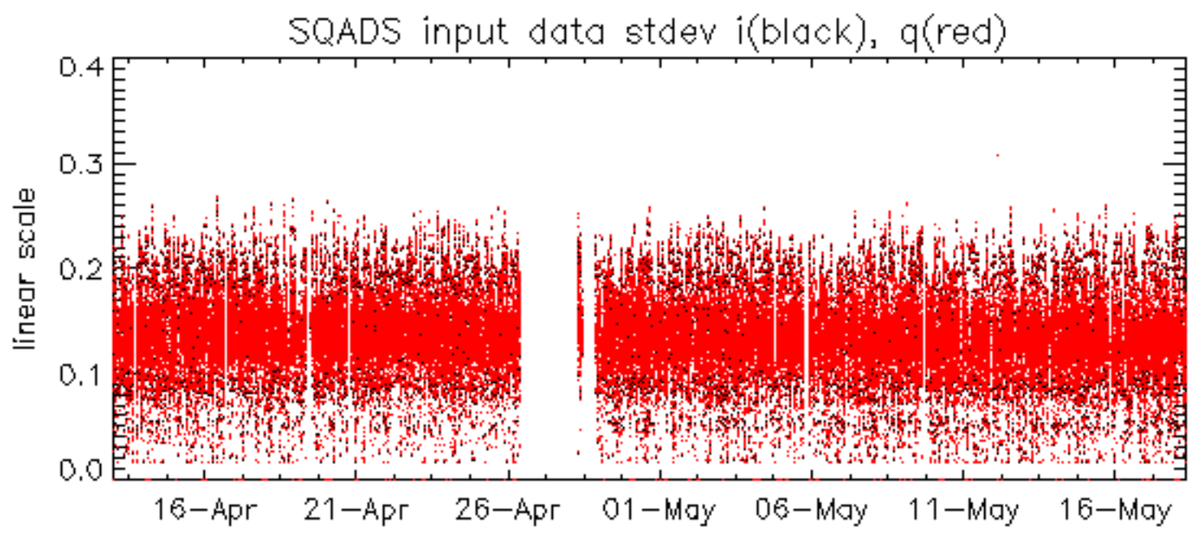
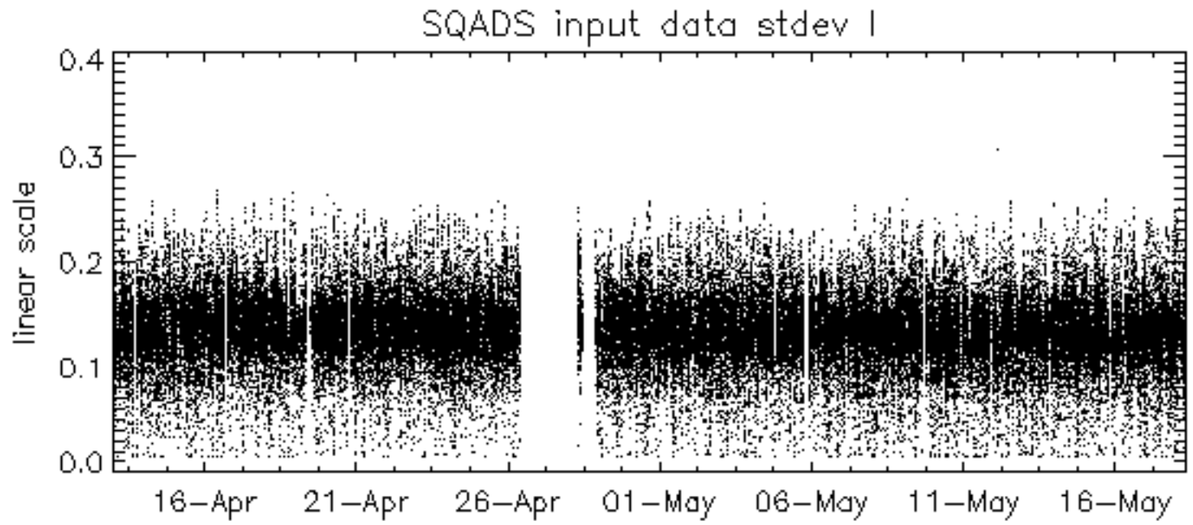

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

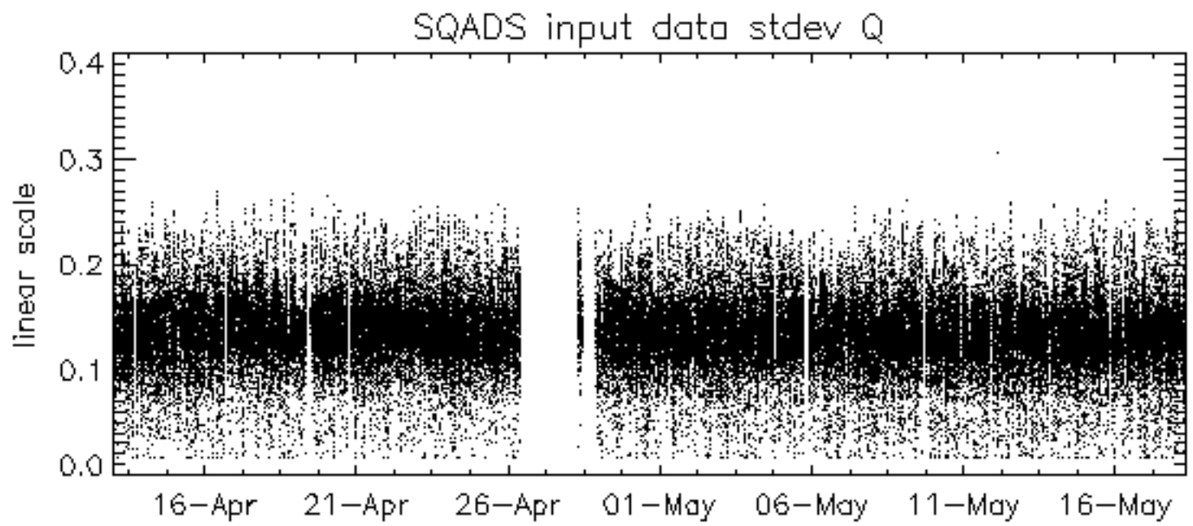

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May

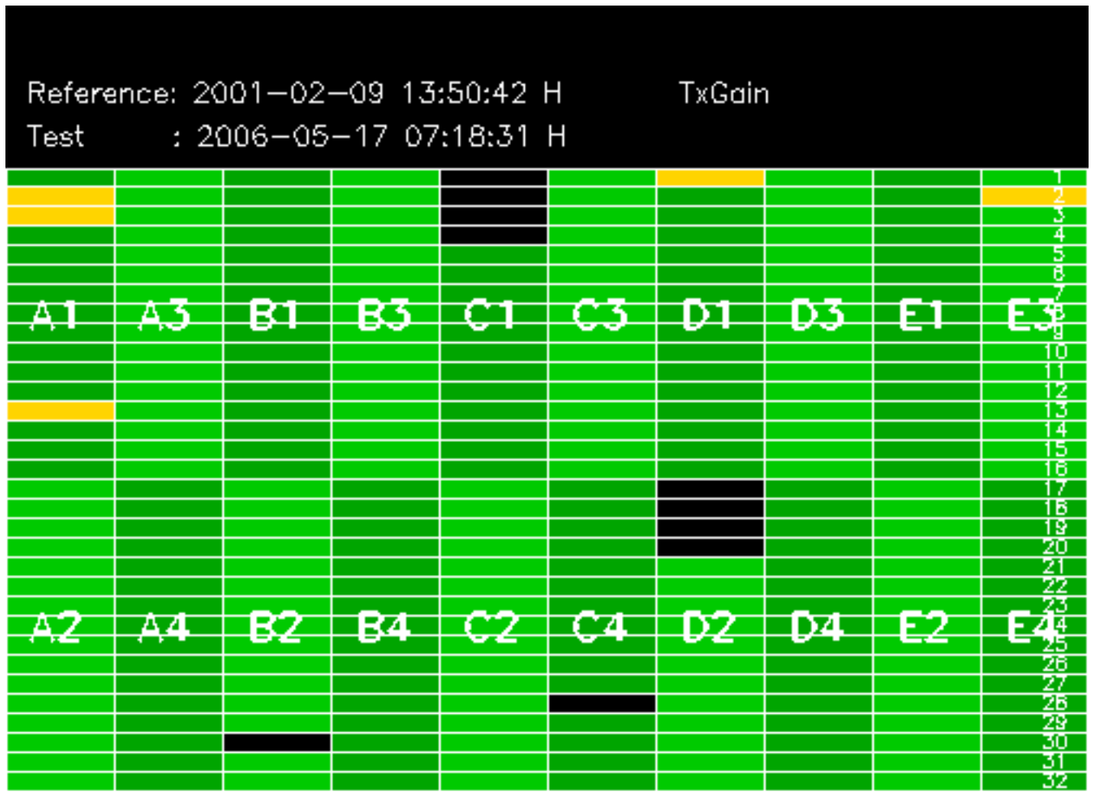

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May


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


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-05-17 07:18:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
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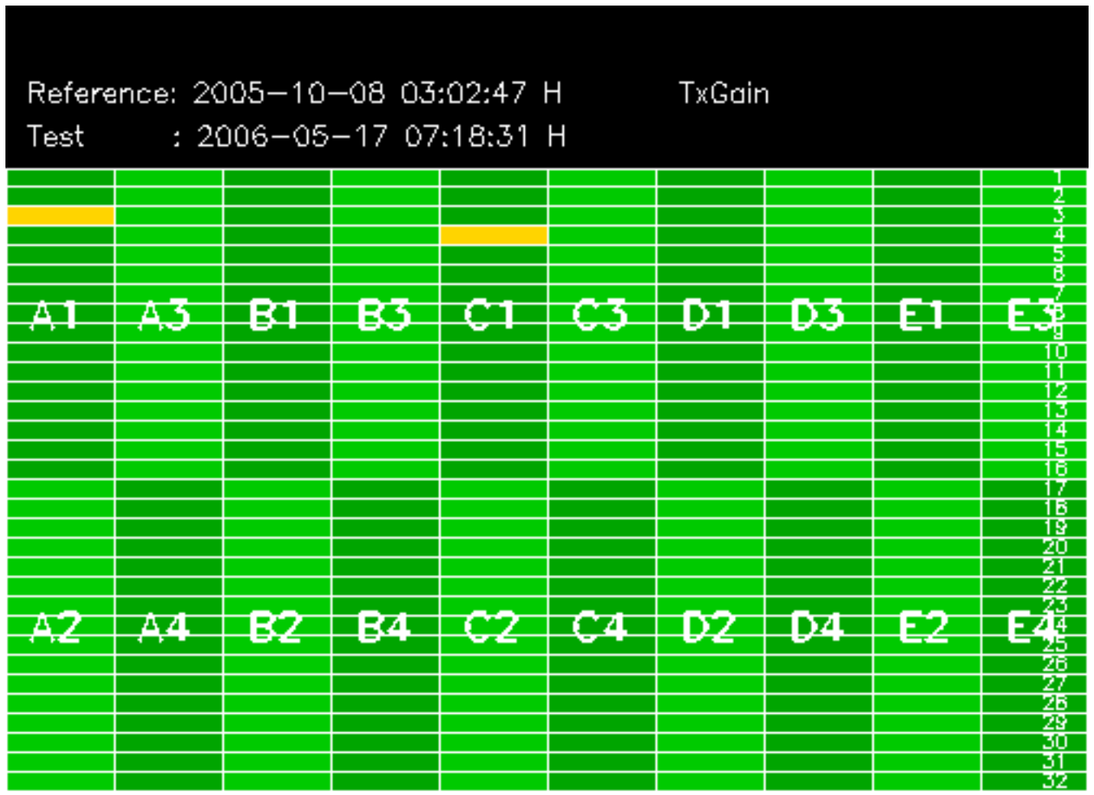
Reference: 2005-10-08 03:02:47 H
Test : 2006-05-17 07:18:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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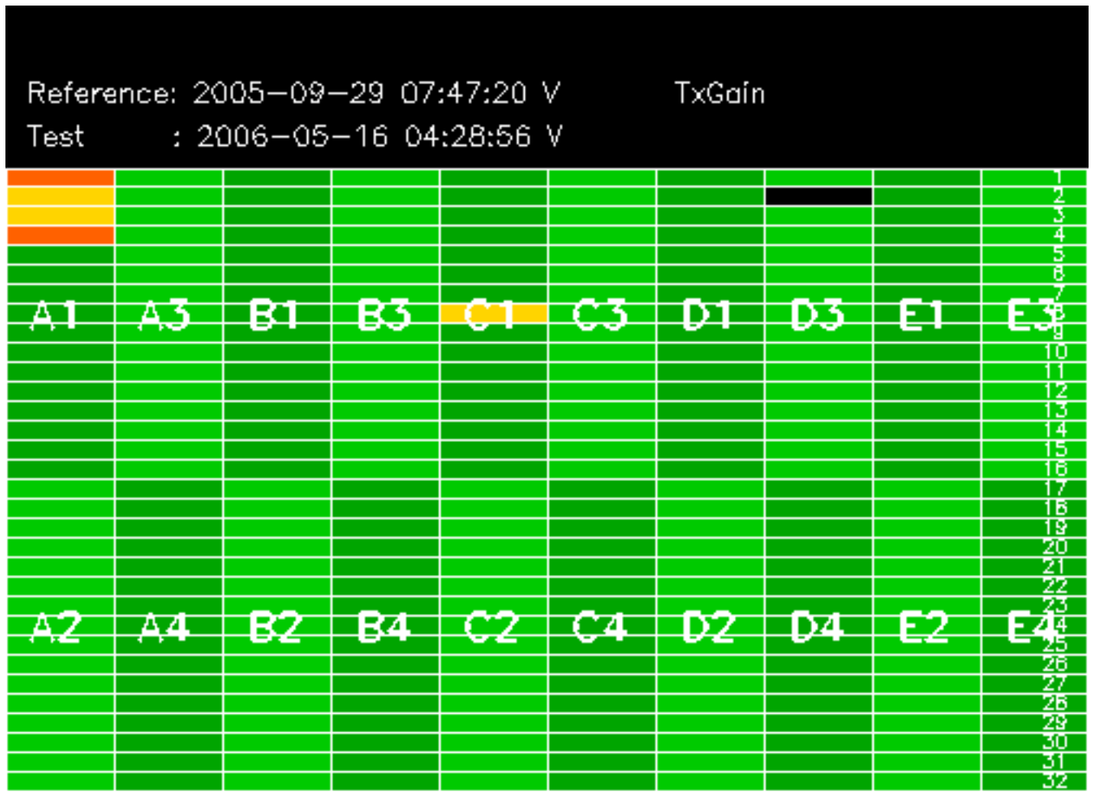
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-16 04:28:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-05-16 04:28:56 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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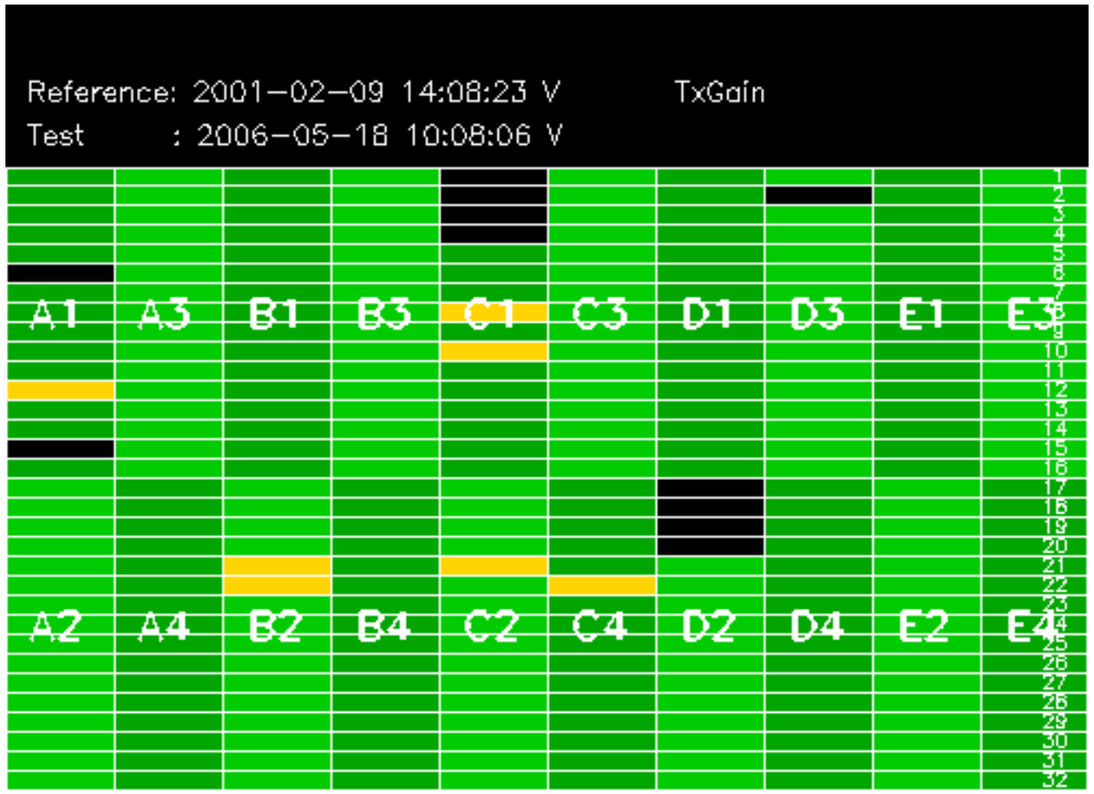
Reference: 2001-02-09 14:08:23 V
Test : 2006-05-18 10:08:06 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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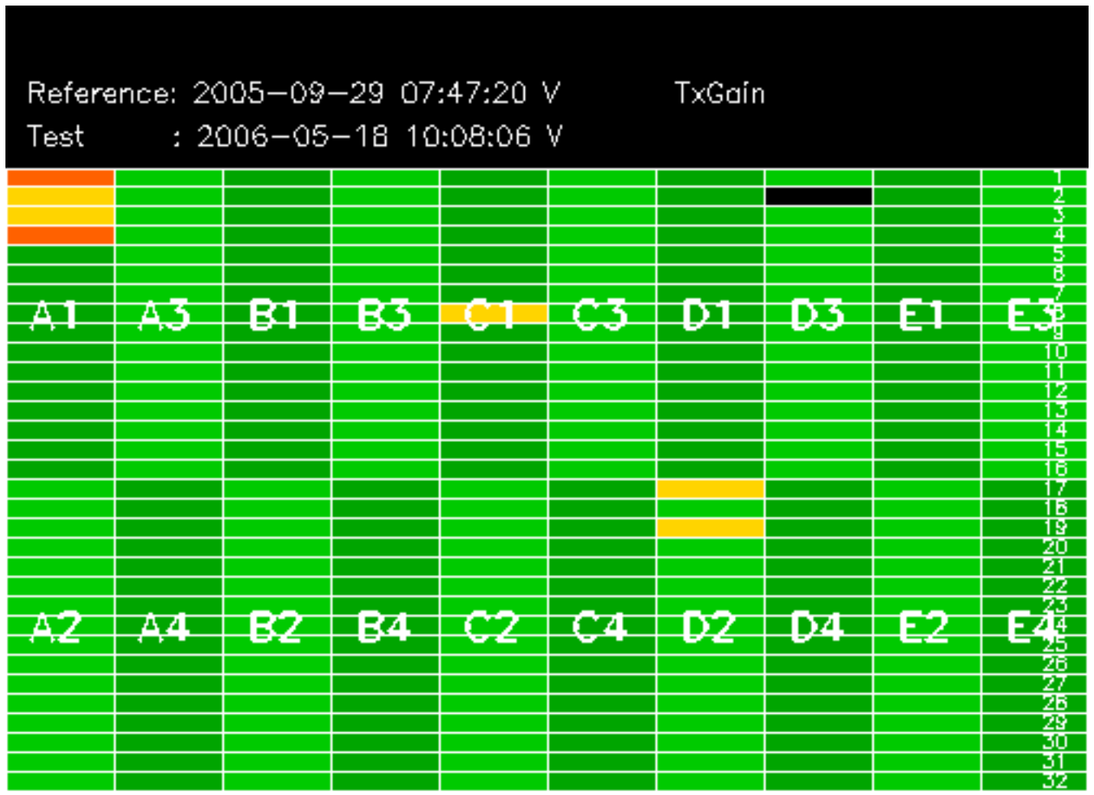
Reference: 2005-09-29 07:47:20 V
Test : 2006-05-18 10:08:06 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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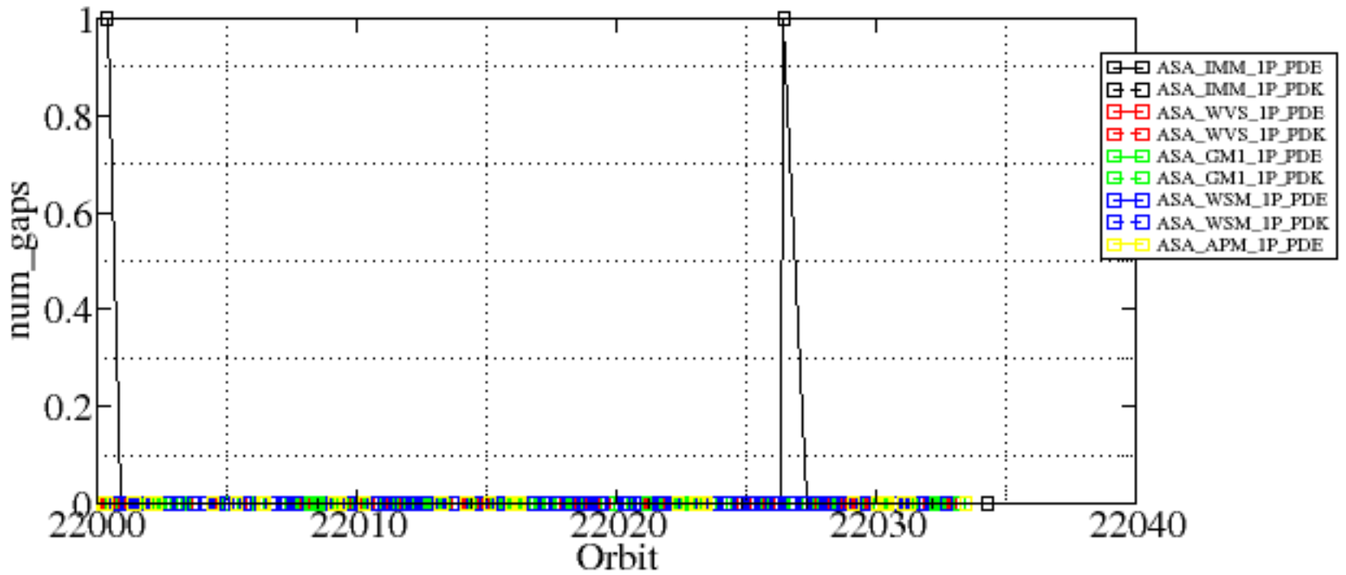
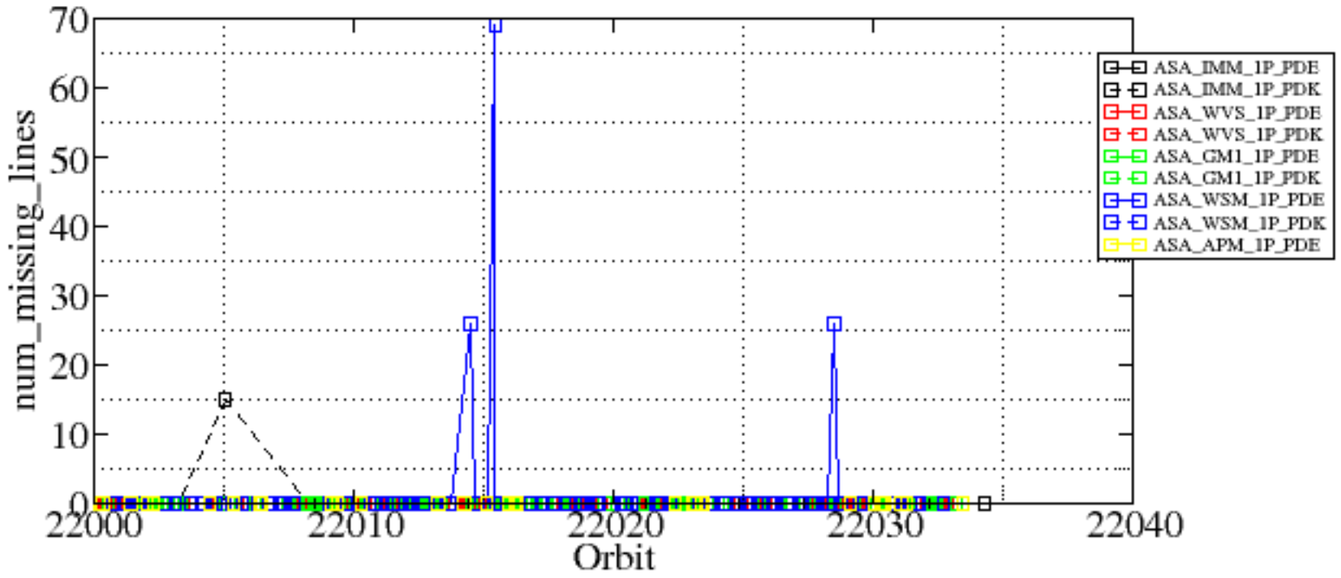
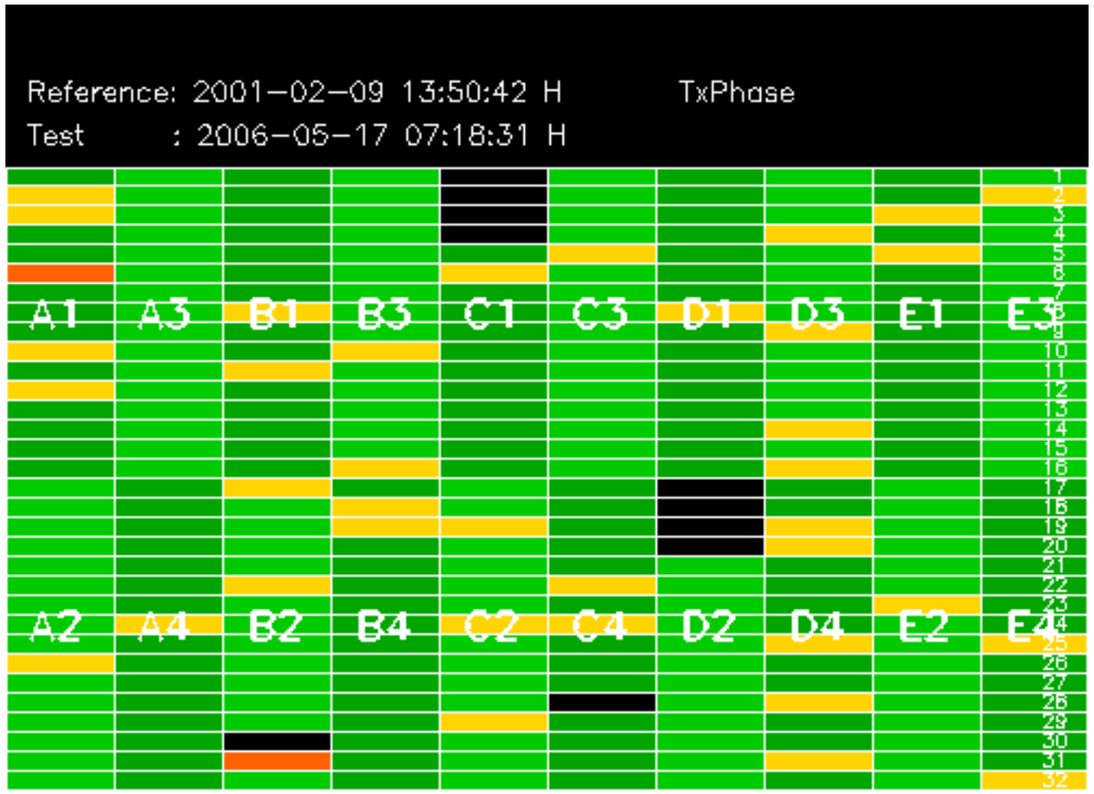
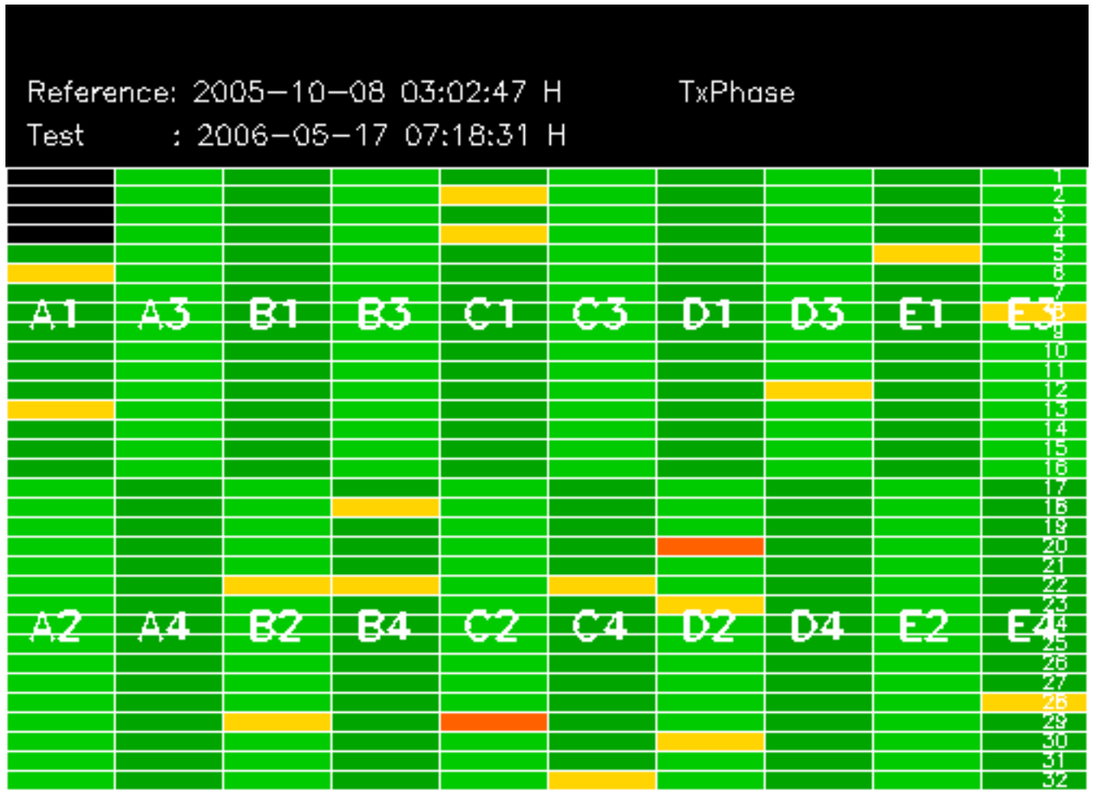
Summary of analysis for the last 3 days 2006051[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060516_003808_000000502047_00403_22000_5316.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060517_202031_000000362047_00429_22026_5398.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20060516_082810_000000372047_00408_22005_1794.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060517_001650_000000852047_00417_22014_9559.N1 </td> <td>0 </td> <td>26 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060517_015318_000000672047_00418_22015_9563.N1 </td> <td>0 </td> <td>69 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060517_234613_000003302047_00431_22028_9726.N1 </td> <td>0 </td> <td>26 </td></tr>
</table>

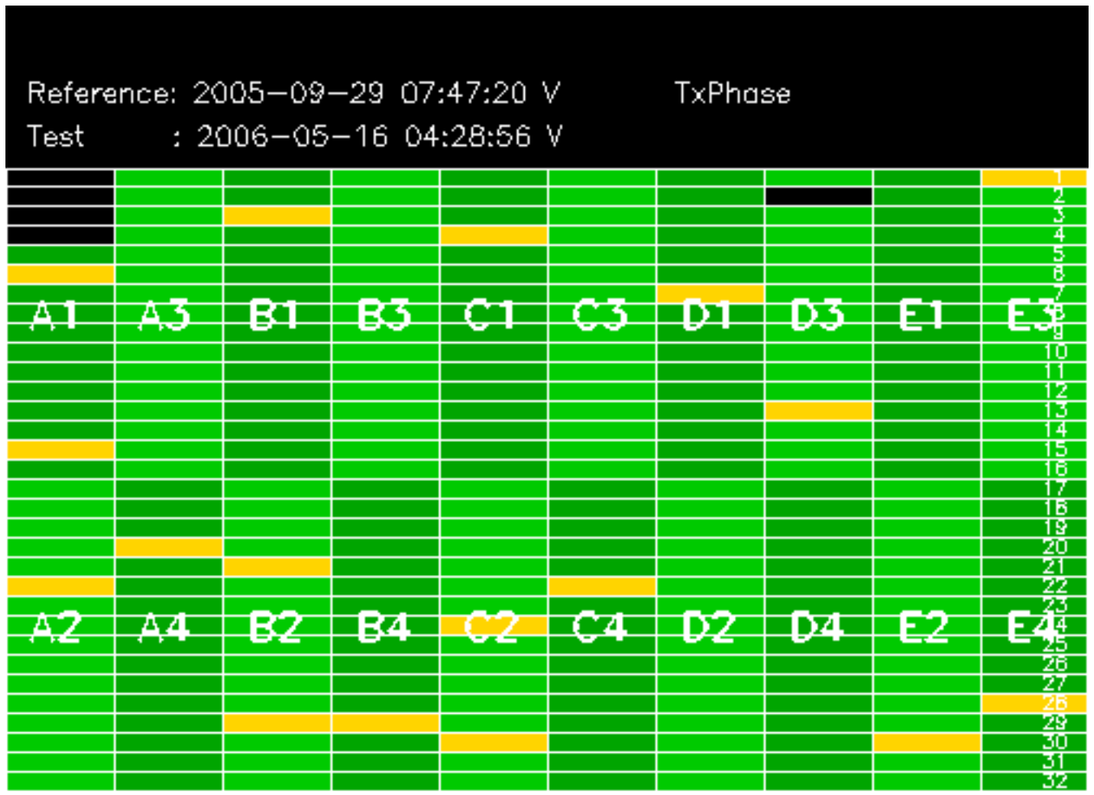

num_gaps
1
0.8
0.6
0.4
0.2
0
22000
22010
22020
22030
22040
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
70
60
50
40
30
20
10
0
22000
22010
22020
22030
22040
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 : 2006-05-17 07:18:31 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-10-08 03:02:47 H
Test : 2006-05-17 07:18:31 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-05-16 04:28:56 V
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: 2005-09-29 07:47:20 V
TxPhase
Test : 2006-05-16 04:28:56 V
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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16
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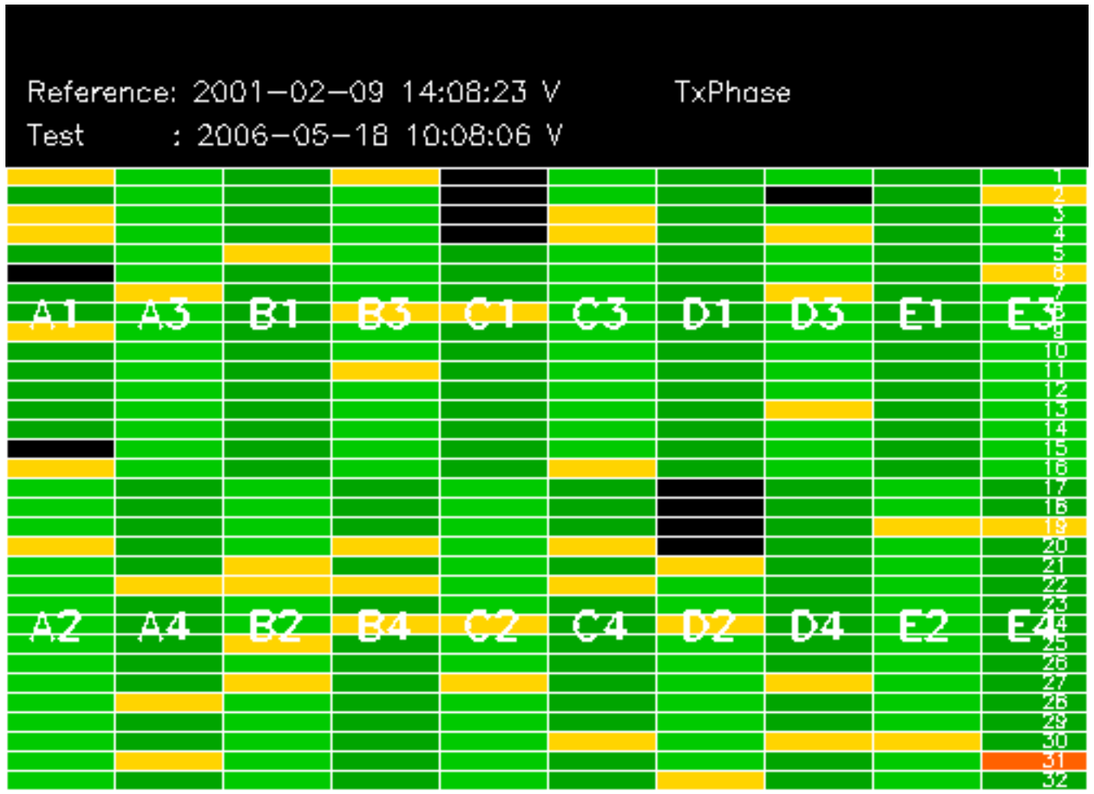
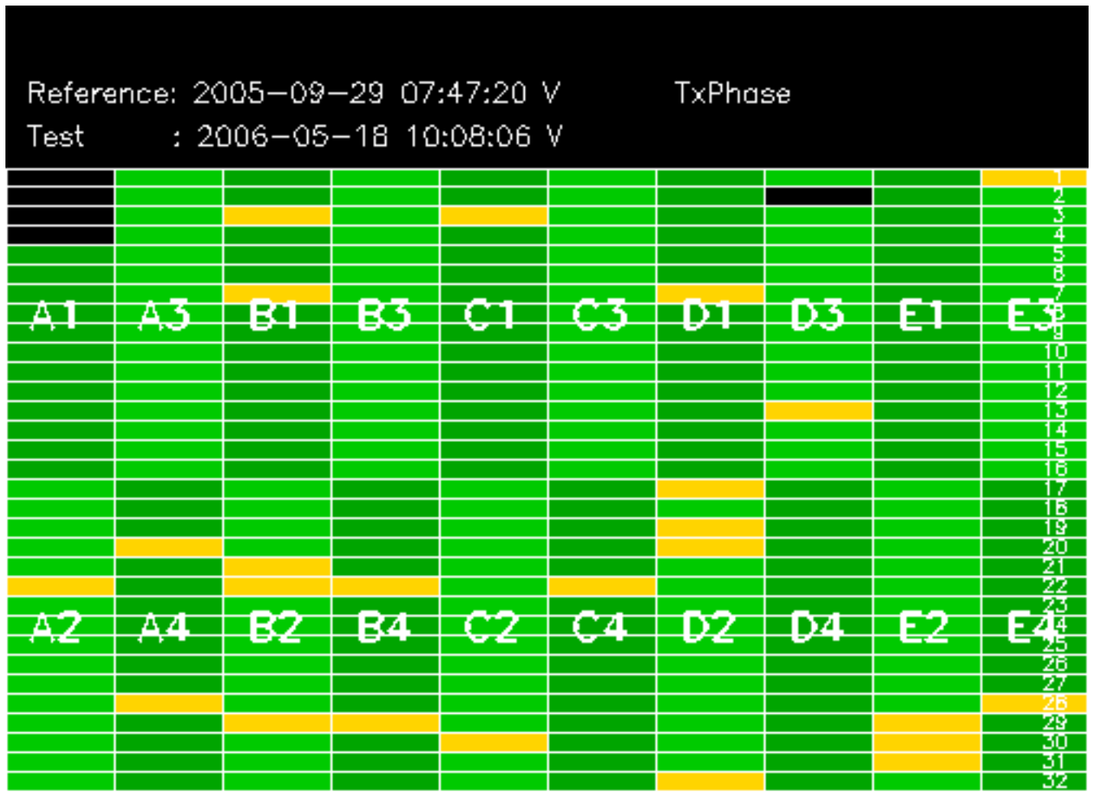
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-05-18 10:08:06 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-05-18 10:08:06 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
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9
10
11
12
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14
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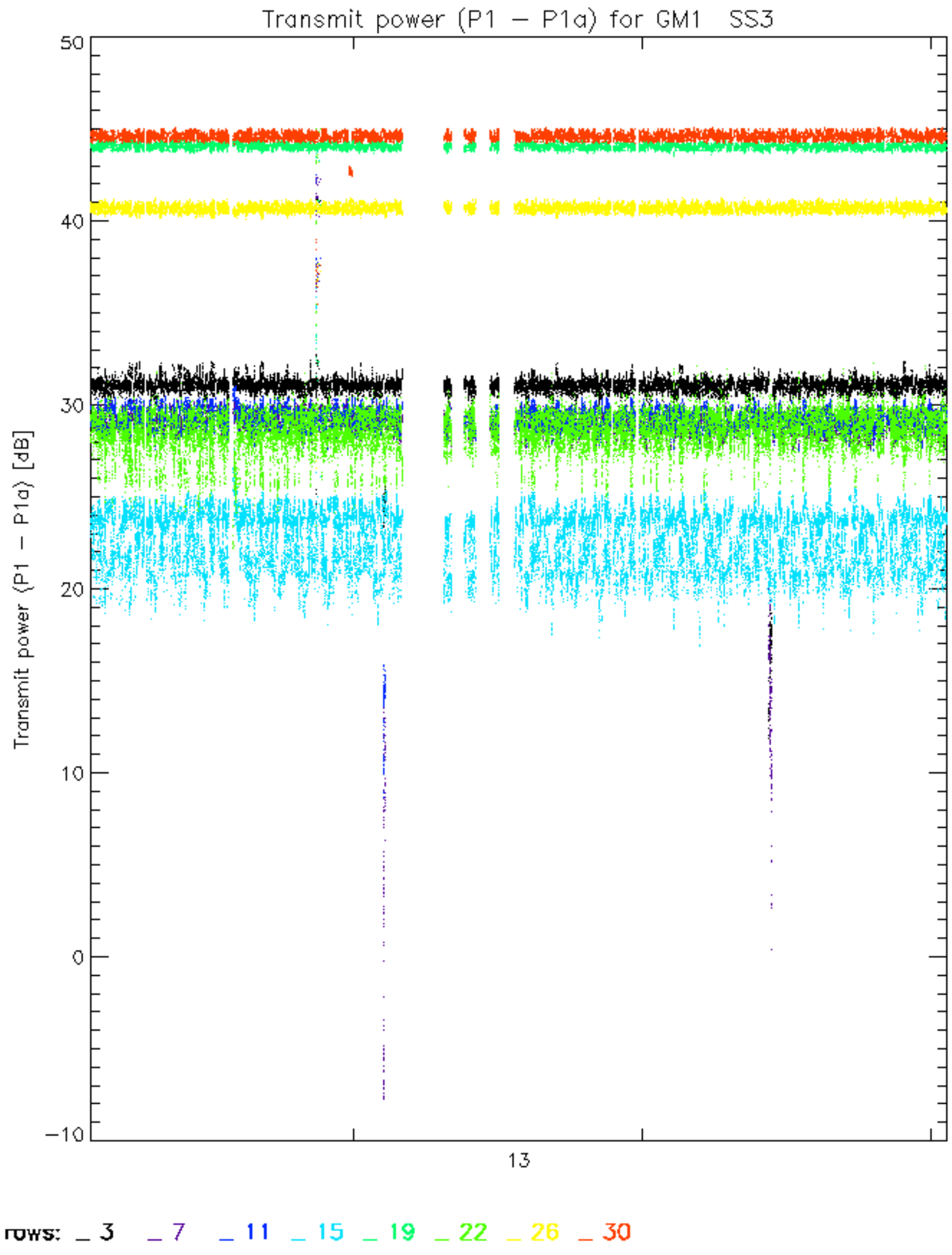
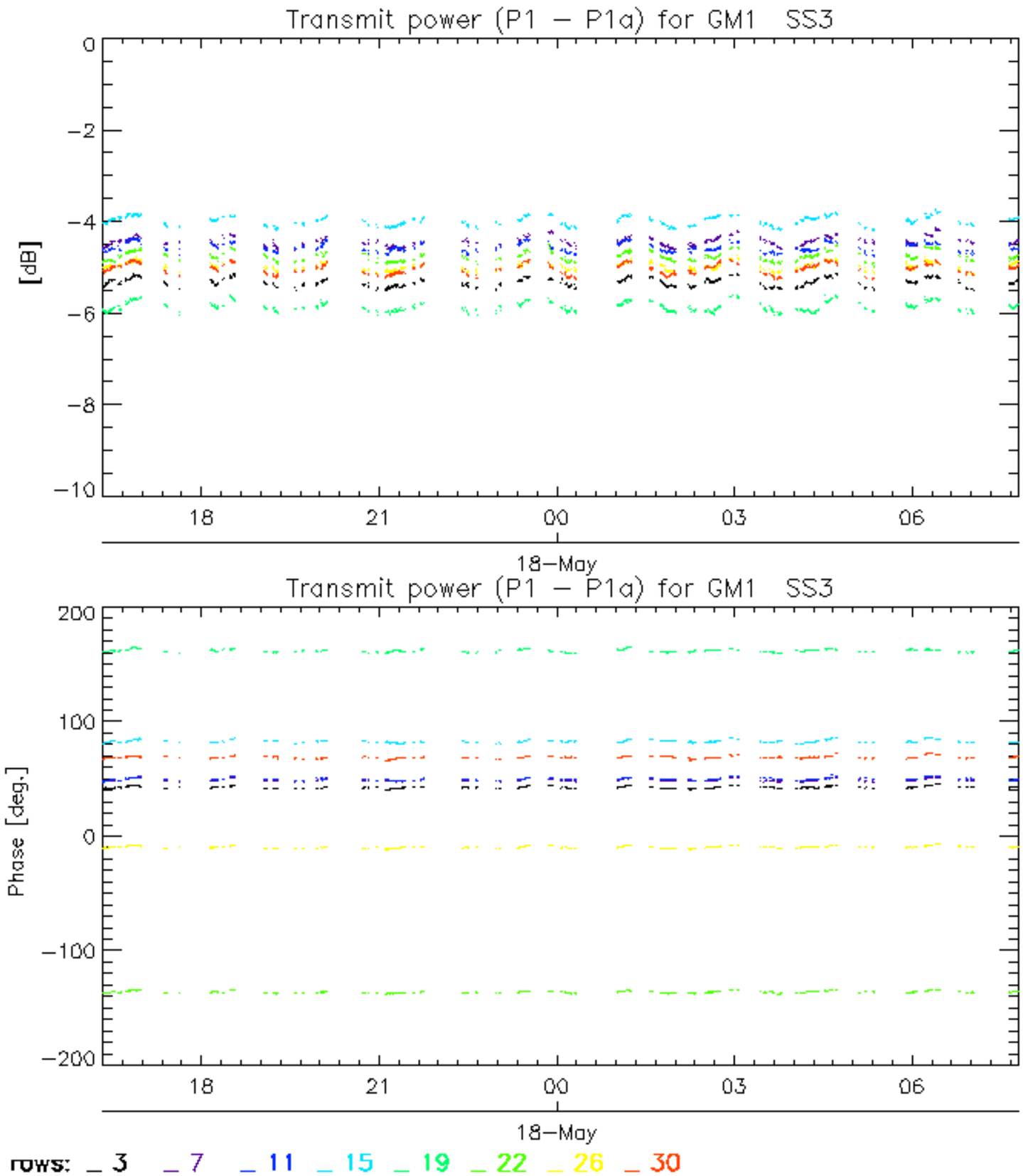
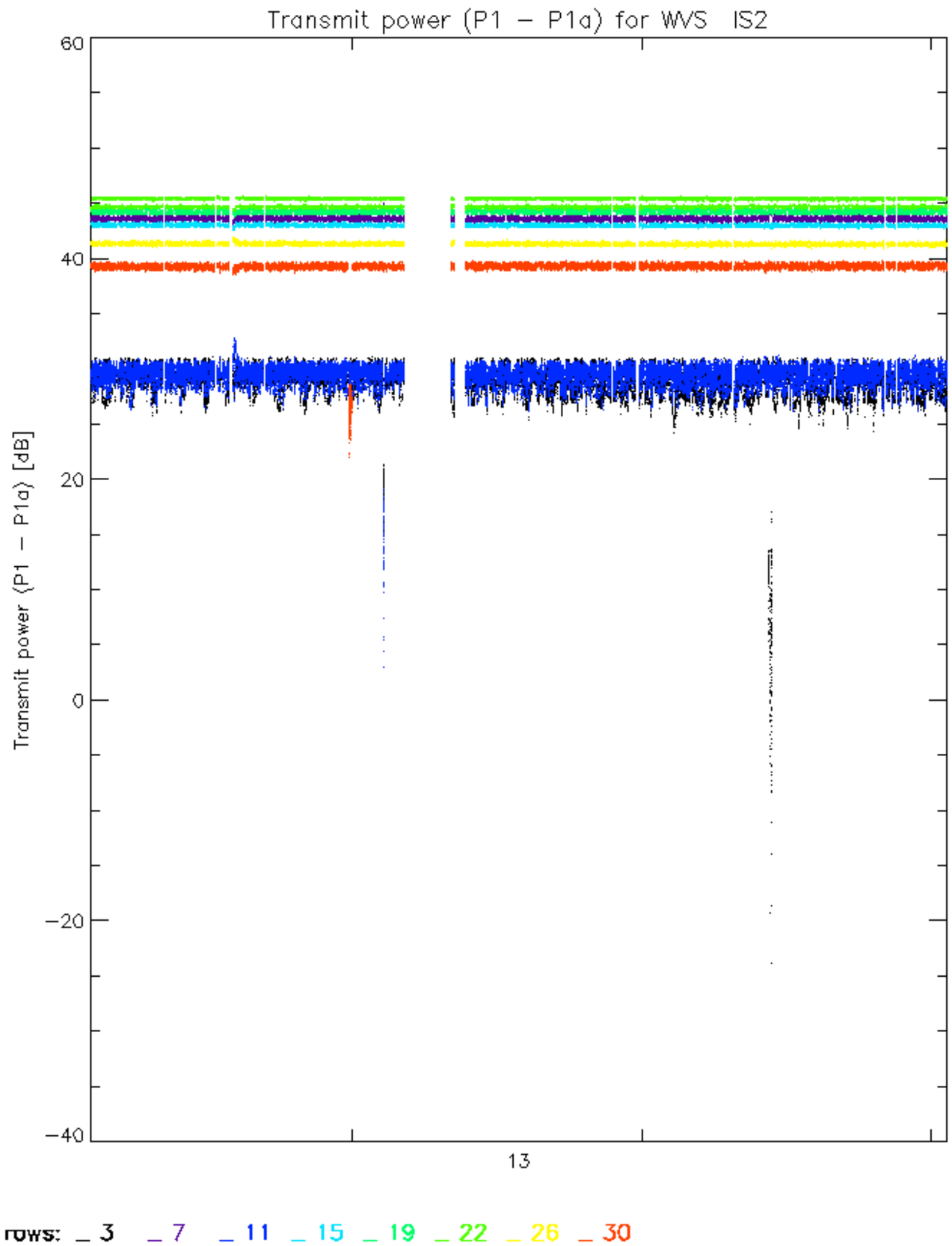
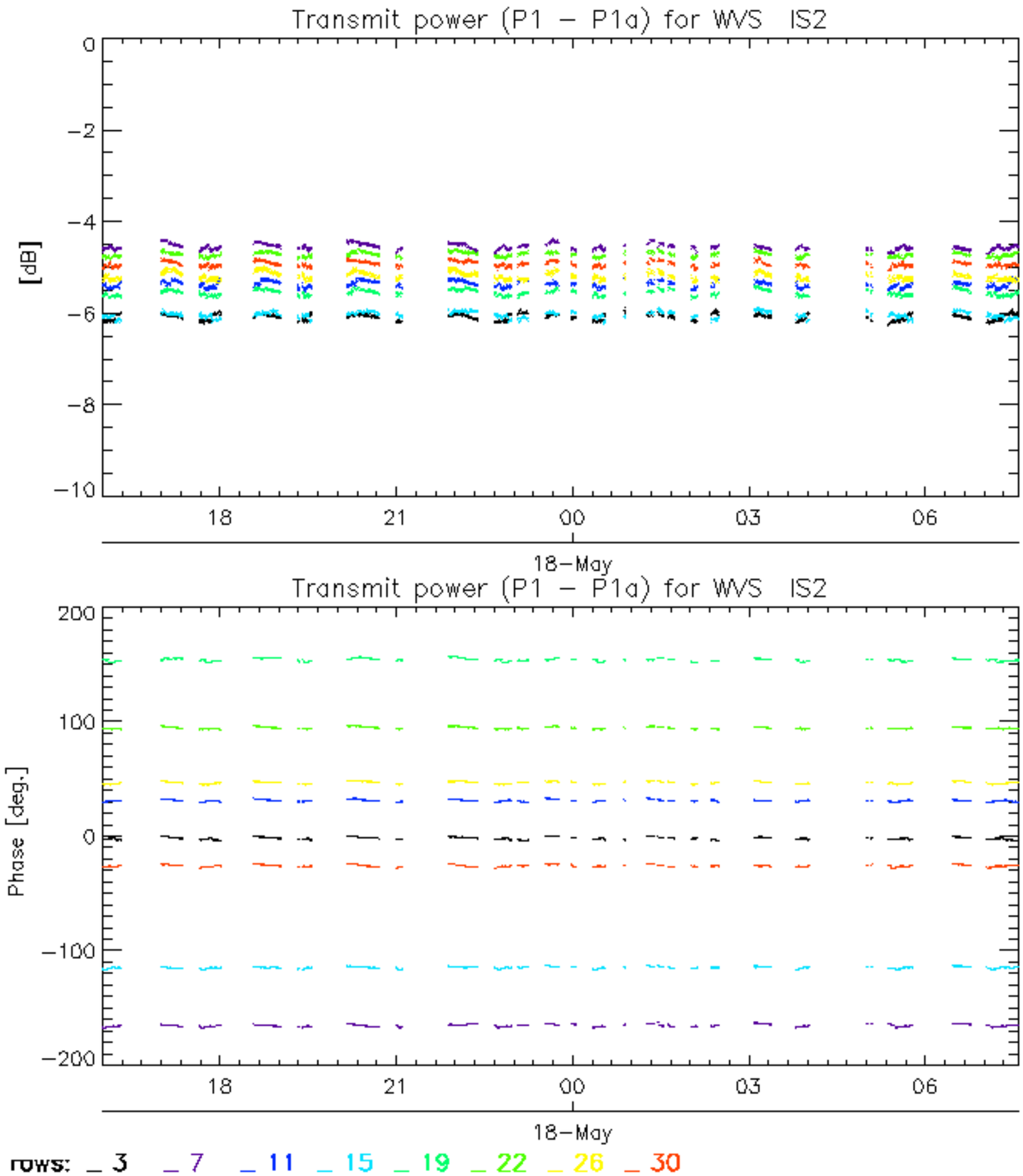
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


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


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
60
40
20
0
−20
−40
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
18–May
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
18–May
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.