# PRELIMINARY REPORT OF 060312

### last update on Sun Mar 12 16:28:10 GMT 2006



## 1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

## 2 - Summary

### 2.1 - Instrument Unavailability

No unavailabilities during the reported period.

### 2.2 - Auxiliary files

**Summary of the auxiliary files used from 2006-03-11 00:00:00 to 2006-03-12 16:28:10**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 40 | 58 | 16 | 0 | 10 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 40 | 58 | 16 | 0 | 10 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 40 | 58 | 16 | 0 | 10 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 40 | 58 | 16 | 0 | 10 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 41 | 51 | 70 | 19 | 24 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 41 | 51 | 70 | 19 | 24 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 41 | 51 | 70 | 19 | 24 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 41 | 51 | 70 | 19 | 24 |

### 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 | 20060311 204857 |
| H | 20060310 143810 |

**MSM in V/V polarisation**

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

**MSM in H/H polarisation**

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

# 4 - Internal calibration Results

No anomalies observed.

## 4.1 - Daily statistics

### 4.1.1 - Evolution for WVS

| Evolution of cal pulses for WVS |
|---|
| ☒ |
| ☒ |

### 4.1.2 - Evolution for GM1

| Evolution of cal pulses for GM1 |
|---|
| ☒ |
| ☒ |

## 4.2 - Cyclic statistics

### 4.2.1 - Evolution for WVS

| Evolution of cal pulses for WVS |
|---|
| ☒ |

### P1a Cyclic statistics

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

### P1 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P1 | -4.002375 | 0.009631 | -0.008247 |
| 7 | P1 | -3.003959 | 0.008816 | -0.031974 |
| 11 | P1 | -4.068864 | 0.020826 | 0.046863 |
| 15 | P1 | -6.076625 | 0.021730 | -0.047031 |
| 19 | P1 | -3.285740 | 0.006716 | -0.040337 |
| 22 | P1 | -4.459894 | 0.015040 | 0.000455 |
| 26 | P1 | -4.202177 | 0.106921 | 0.059740 |
| 30 | P1 | -5.803881 | 0.151042 | -0.048591 |
| 3 | P1 | -16.974930 | 0.250256 | -0.039742 |
| 7 | P1 | -16.703964 | 0.103802 | -0.122659 |
| 11 | P1 | -16.509085 | 0.328123 | 0.108210 |
| 15 | P1 | -13.058837 | 0.095285 | 0.019648 |
| 19 | P1 | -13.924351 | 0.055880 | -0.095641 |
| 22 | P1 | -15.595097 | 0.477419 | 0.076201 |
| 26 | P1 | -15.764243 | 0.314324 | -0.064373 |
| 30 | P1 | -16.488478 | 0.314660 | -0.033144 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.418819 | 0.087705 | 0.114493 |
| 7 | P2 | -22.387344 | 0.094758 | 0.070666 |
| 11 | P2 | -16.231062 | 0.100494 | 0.040256 |
| 15 | P2 | -7.166913 | 0.099109 | 0.010261 |
| 19 | P2 | -9.134636 | 0.091644 | 0.008397 |
| 22 | P2 | -17.935883 | 0.090884 | -0.036640 |
| 26 | P2 | -16.208118 | 0.095348 | -0.015213 |
| 30 | P2 | -19.642988 | 0.084814 | -0.037142 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 7 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 11 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 15 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 19 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 22 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 26 | P3 | -8.194477 | 0.006235 | -0.008076 |
| 30 | P3 | -8.194477 | 0.006235 | -0.008077 |

#### 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 | -3.851252 | 3.531245 | 0.131700 |
| 7 | P1 | -2.846874 | 3.705674 | 0.187754 |
| 11 | P1 | -3.033321 | 3.730423 | 0.149218 |
| 15 | P1 | -3.677226 | 3.698220 | 0.155687 |
| 19 | P1 | -3.477705 | 3.585149 | 0.119120 |
| 22 | P1 | -5.270727 | 3.292920 | 0.105305 |
| 26 | P1 | -5.968451 | 3.498397 | 0.280819 |
| 30 | P1 | -5.303158 | 3.330860 | 0.156098 |
| 3 | P1 | -11.651164 | 2.317440 | 0.127774 |
| 7 | P1 | -10.046607 | 2.565422 | 0.103161 |
| 11 | P1 | -10.340577 | 2.555686 | 0.029092 |
| 15 | P1 | -10.882943 | 2.559392 | 0.047173 |
| 19 | P1 | -15.475016 | 1.882837 | 0.048376 |
| 22 | P1 | -20.311249 | 2.485136 | 0.111586 |
| 26 | P1 | -16.332037 | 2.426415 | 0.163820 |
| 30 | P1 | -18.363550 | 1.734235 | 0.018166 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.115093 | 2.437721 | 0.138283 |
| 7 | P2 | -22.551622 | 2.845441 | 0.005051 |
| 11 | P2 | -11.285780 | 2.648149 | 0.134391 |
| 15 | P2 | -4.925016 | 3.441529 | 0.141092 |
| 19 | P2 | -6.932726 | 3.098403 | 0.132936 |
| 22 | P2 | -8.220031 | 2.906507 | 0.093065 |
| 26 | P2 | -23.881857 | 2.920024 | -0.152557 |
| 30 | P2 | -22.029579 | 2.759004 | -0.079604 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.024019 | 0.002595 | -0.001006 |
| 7 | P3 | -8.023955 | 0.002595 | -0.000863 |
| 11 | P3 | -8.023997 | 0.002606 | -0.000820 |
| 15 | P3 | -8.024083 | 0.002594 | -0.001090 |
| 19 | P3 | -8.023989 | 0.002615 | -0.000646 |
| 22 | P3 | -8.024071 | 0.002590 | -0.000869 |
| 26 | P3 | -8.024077 | 0.002597 | -0.000629 |
| 30 | P3 | -8.023930 | 0.002597 | -0.000687 |

### 4.3 - cal pulses monitoring (all rows)

#### 4.3.1 - Evolution for WVS

☒

#### 4.3.2 - Evolution for GM1

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## 5 - RAW data statistics

No anomalies observed.

### 5.1 - Input mean I/Q

| channel | stat | DSS-B |
|---|---|---|
| MEAN I | mean | 0.000554121 |
| | stdev | 1.77015e-07 |
| MEAN Q | mean | 0.000513501 |
| | stdev | 2.21401e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.138056 |
| | stdev | 0.00119458 |
| STDEV Q | mean | 0.138416 |
| | stdev | 0.00121266 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2006031[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

| Filename | num_gaps | num_missing_lines |
|---|---|---|
| ASA_IMM_1PNPDE20060310_124102_000000362045_00453_21048_0326.N1 | 1 | 0 |
| ASA_IMM_1PNPDE20060311_015053_000001992045_00461_21056_0412.N1 | 0 | 1 |
| ASA_IMM_1PNPDE20060312_003948_000001552045_00474_21069_0566.N1 | 1 | 0 |
| ASA_IMM_1PNPDE20060312_005604_000000362045_00475_21070_0559.N1 | 1 | 0 |
| ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0586.N1 | 1 | 0 |
| ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0595.N1 | 1 | 0 |

# 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

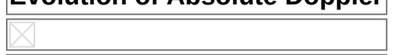
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |

Acsending

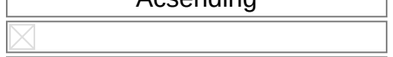
Descending

## 7.5 - Absolute Doppler for GM1

**Evolution of Absolute Doppler**



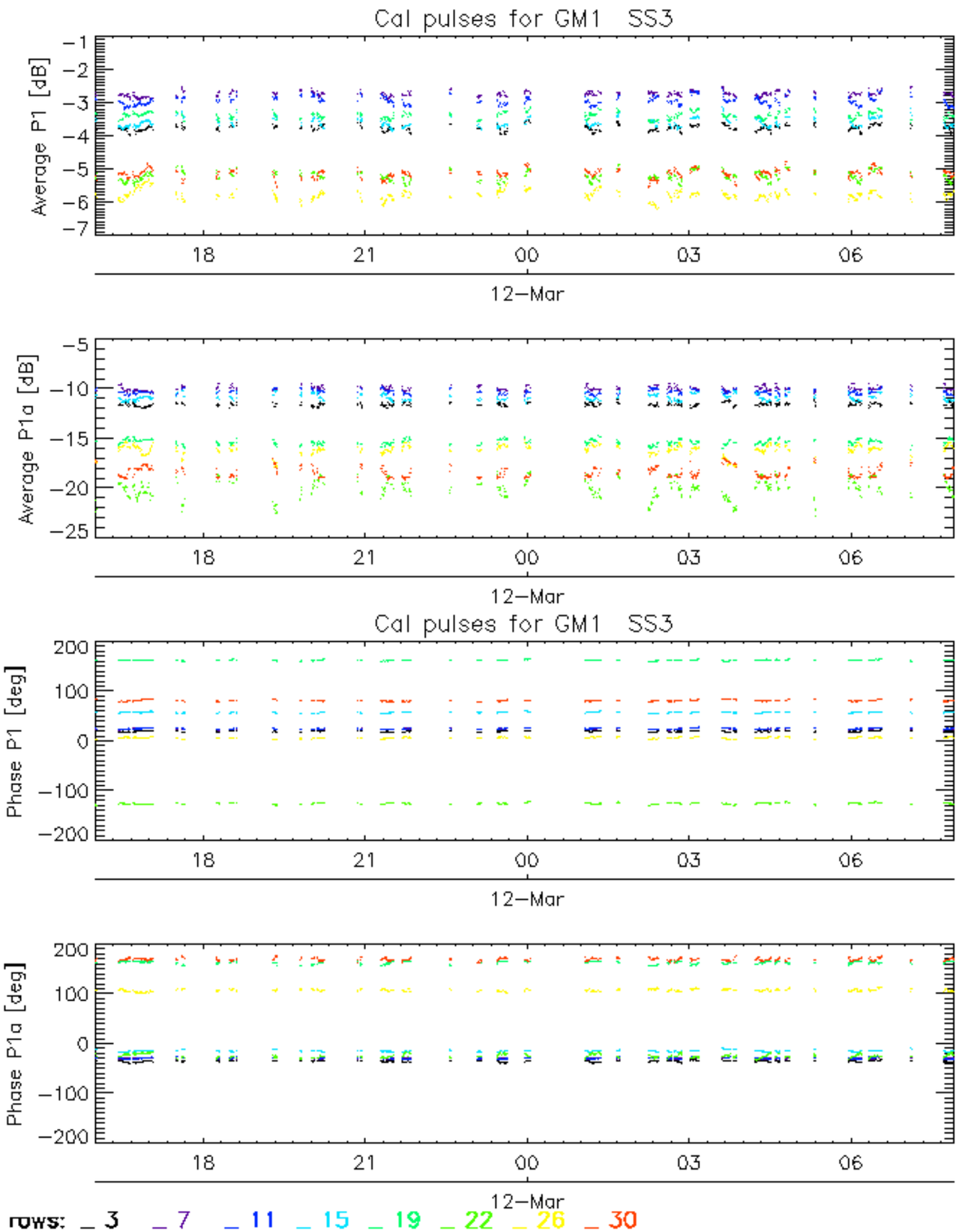
Acsending

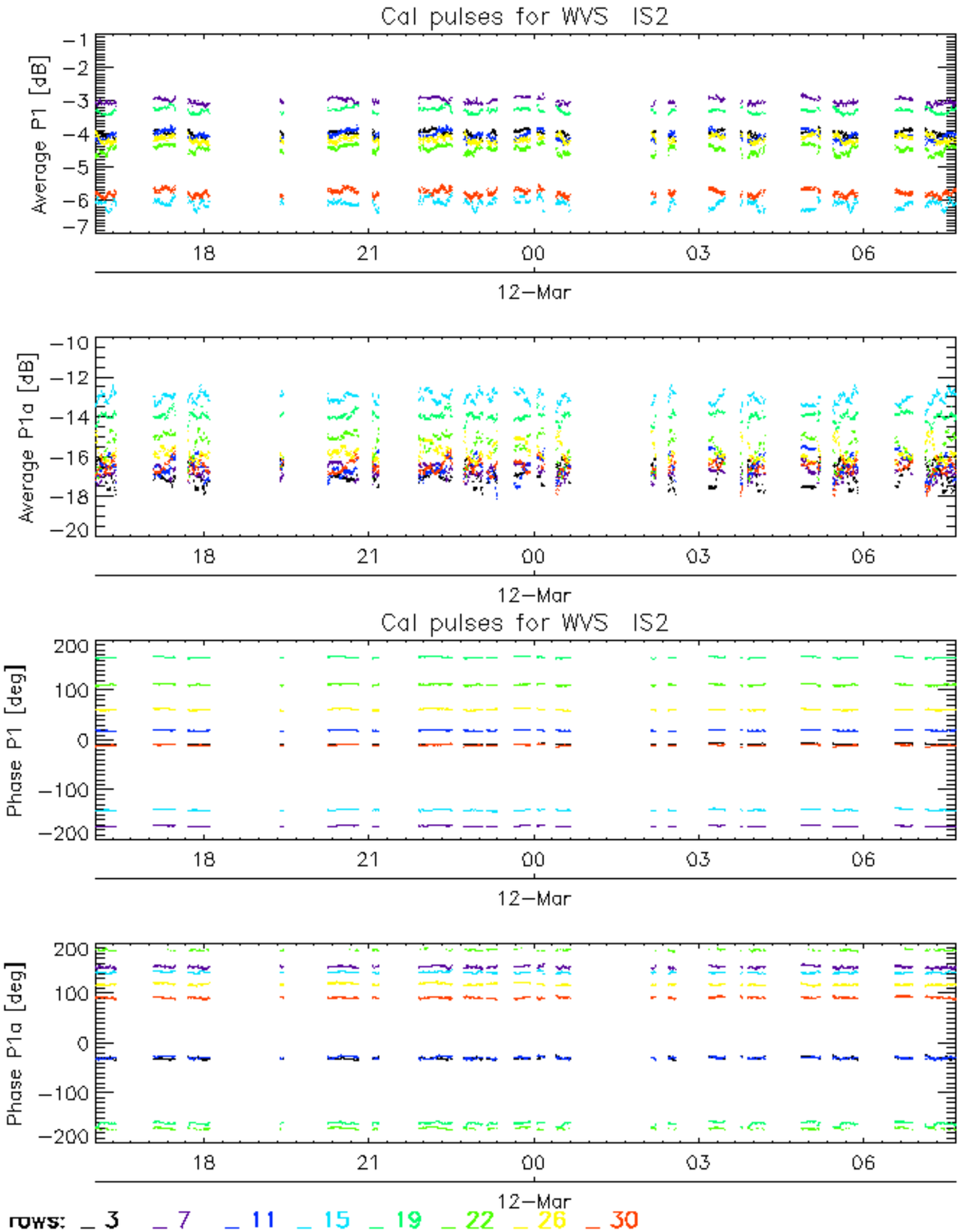


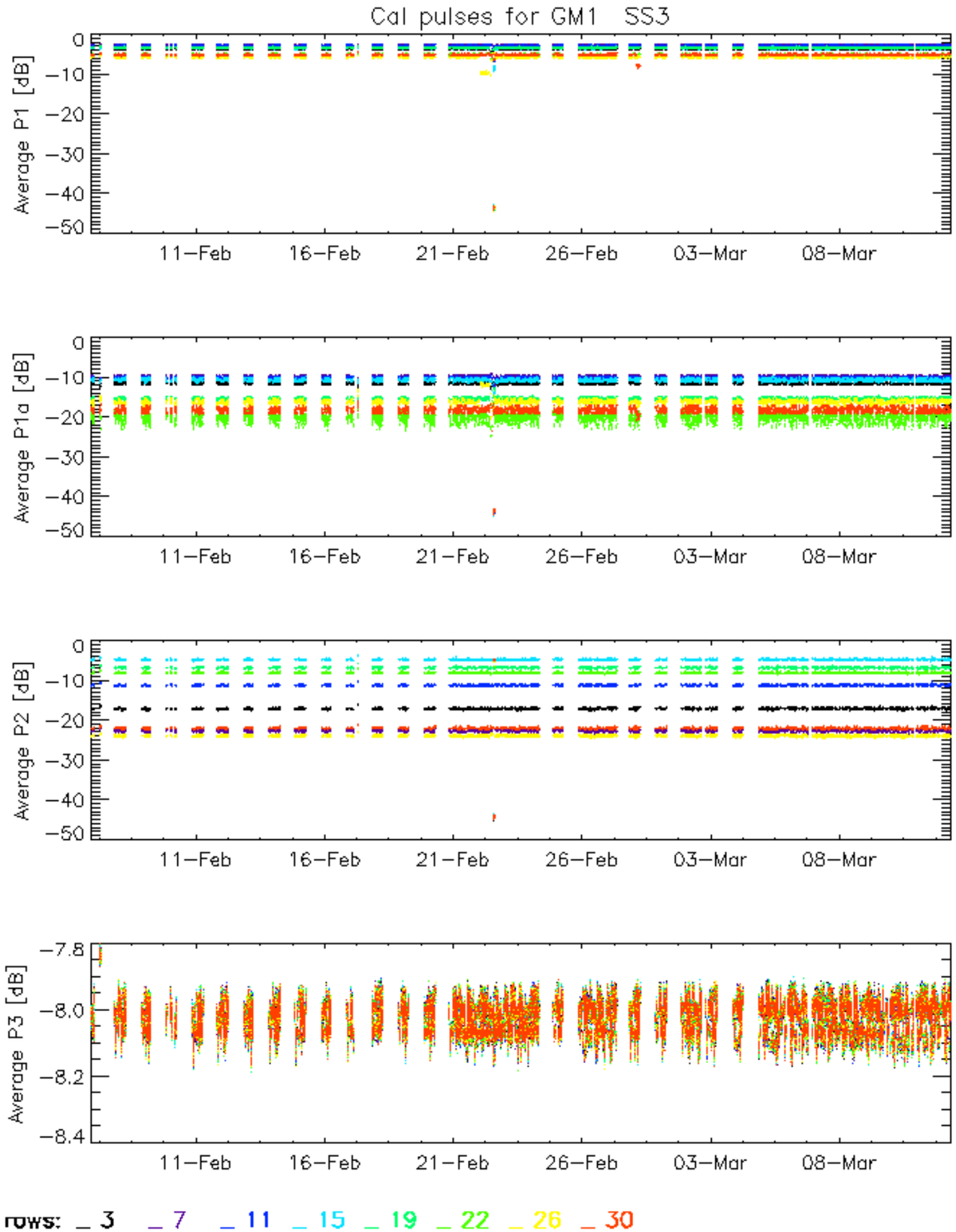
Descending

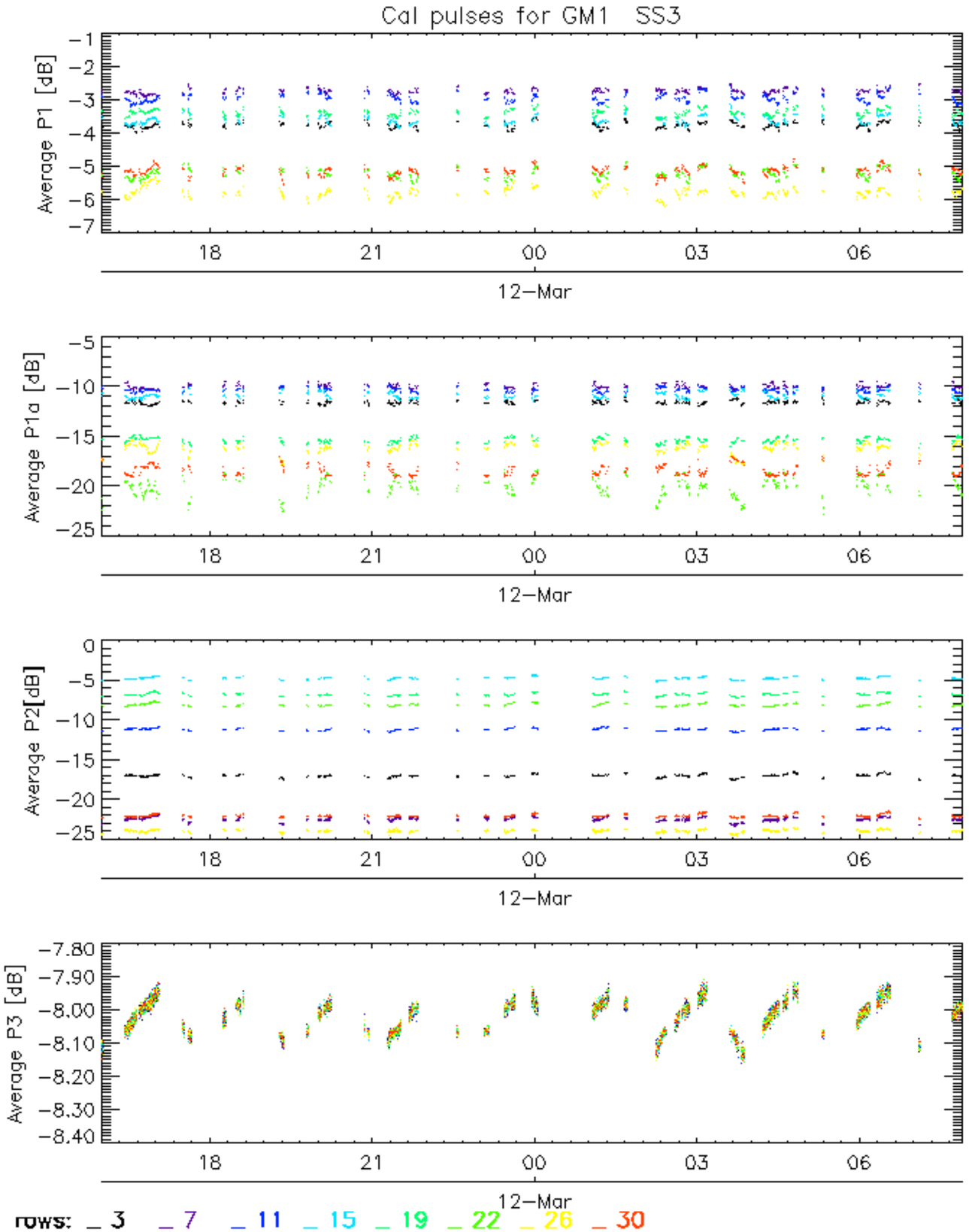
## 7.6 - Doppler evolution versus ANX for GM1

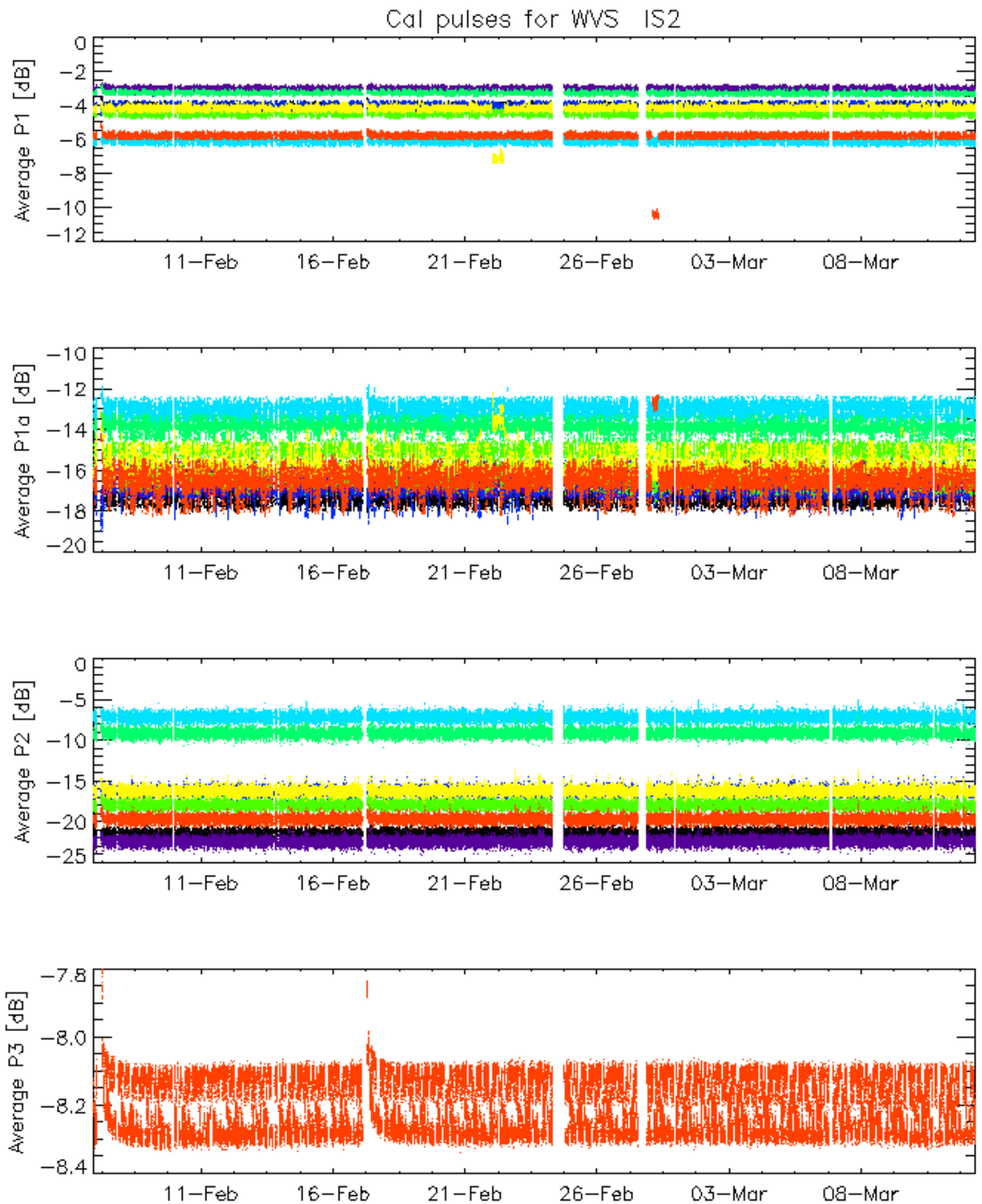
**Evolution Doppler error versus ANX**

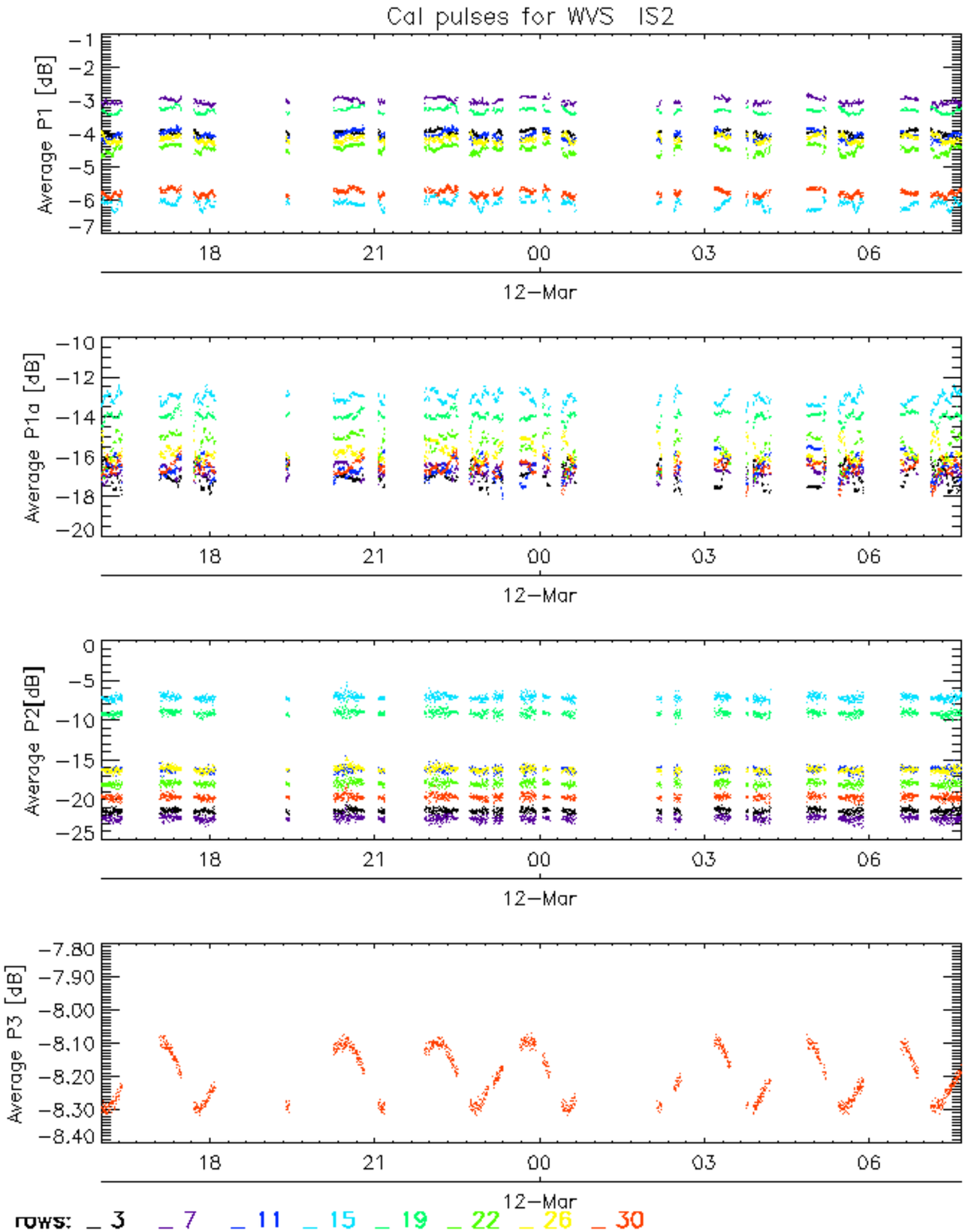

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Mar
rows: _ 3 _ 7 _ 11 _ 15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


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

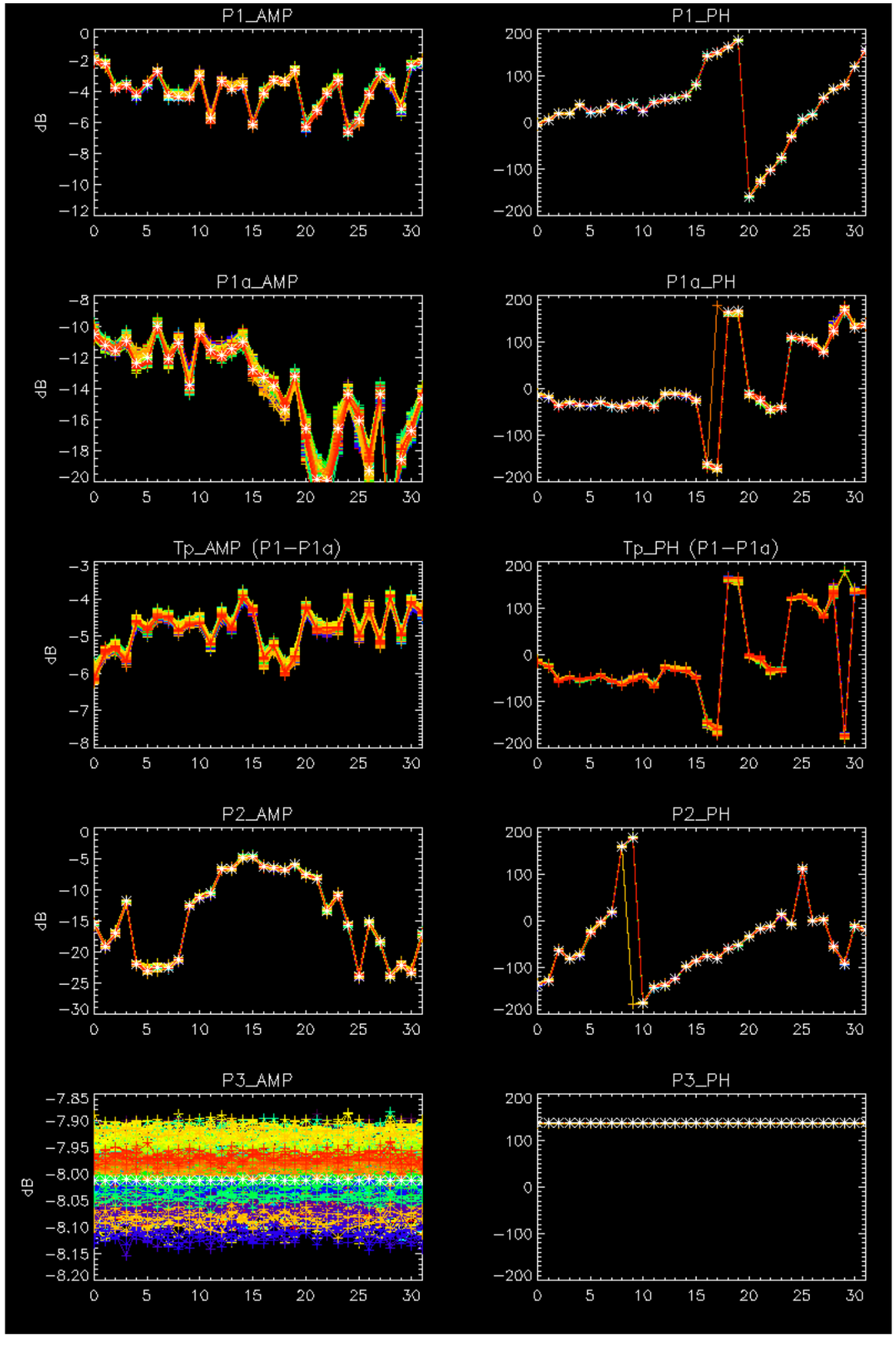

Cal pulses for GM1 SS3
Average P1 [dB]
0
−10
−20
−30
−40
−50
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
Average P1a [dB]
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

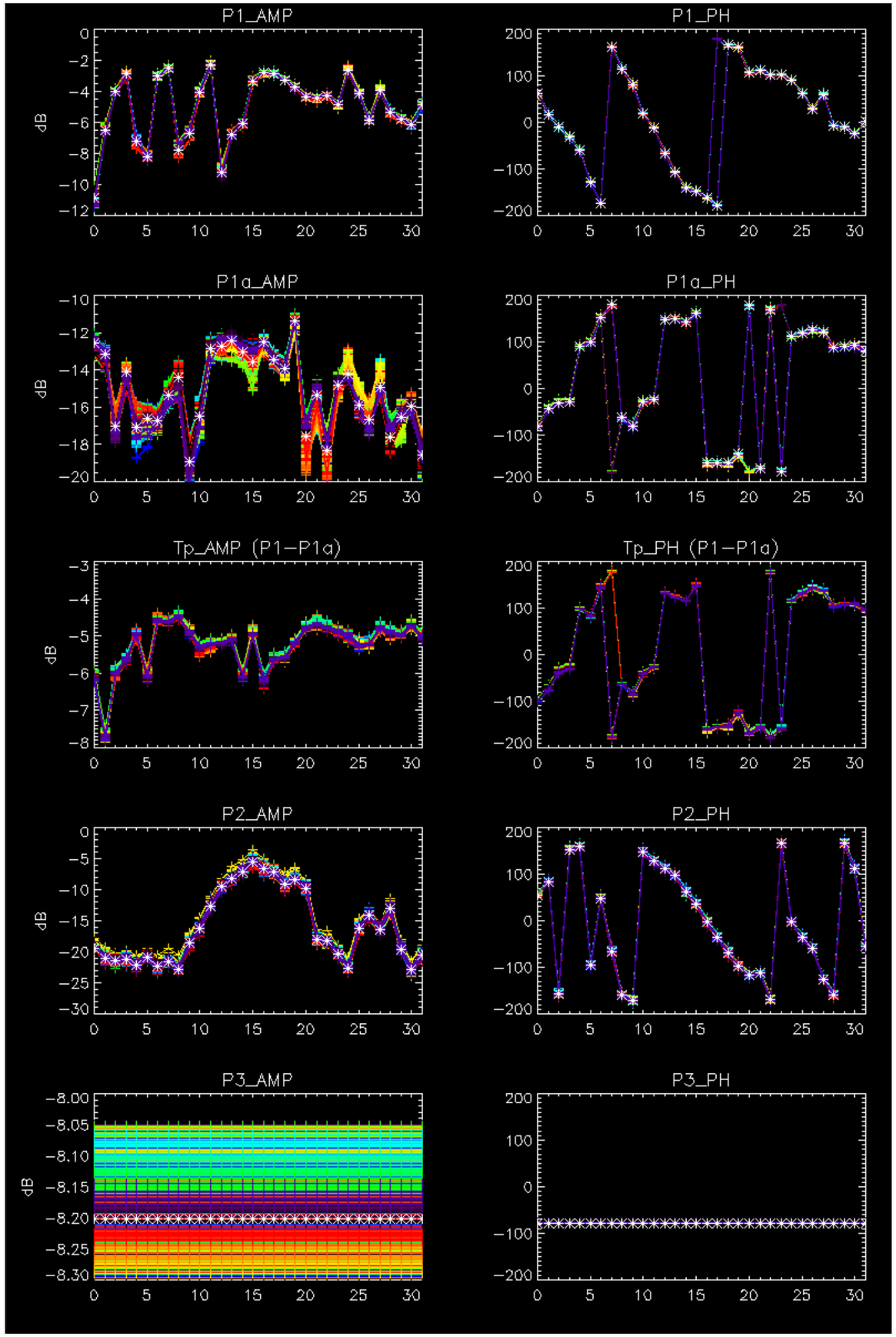

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
12−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
12−Mar
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2 [dB]
−5
−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
12−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
12−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
12−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
12−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

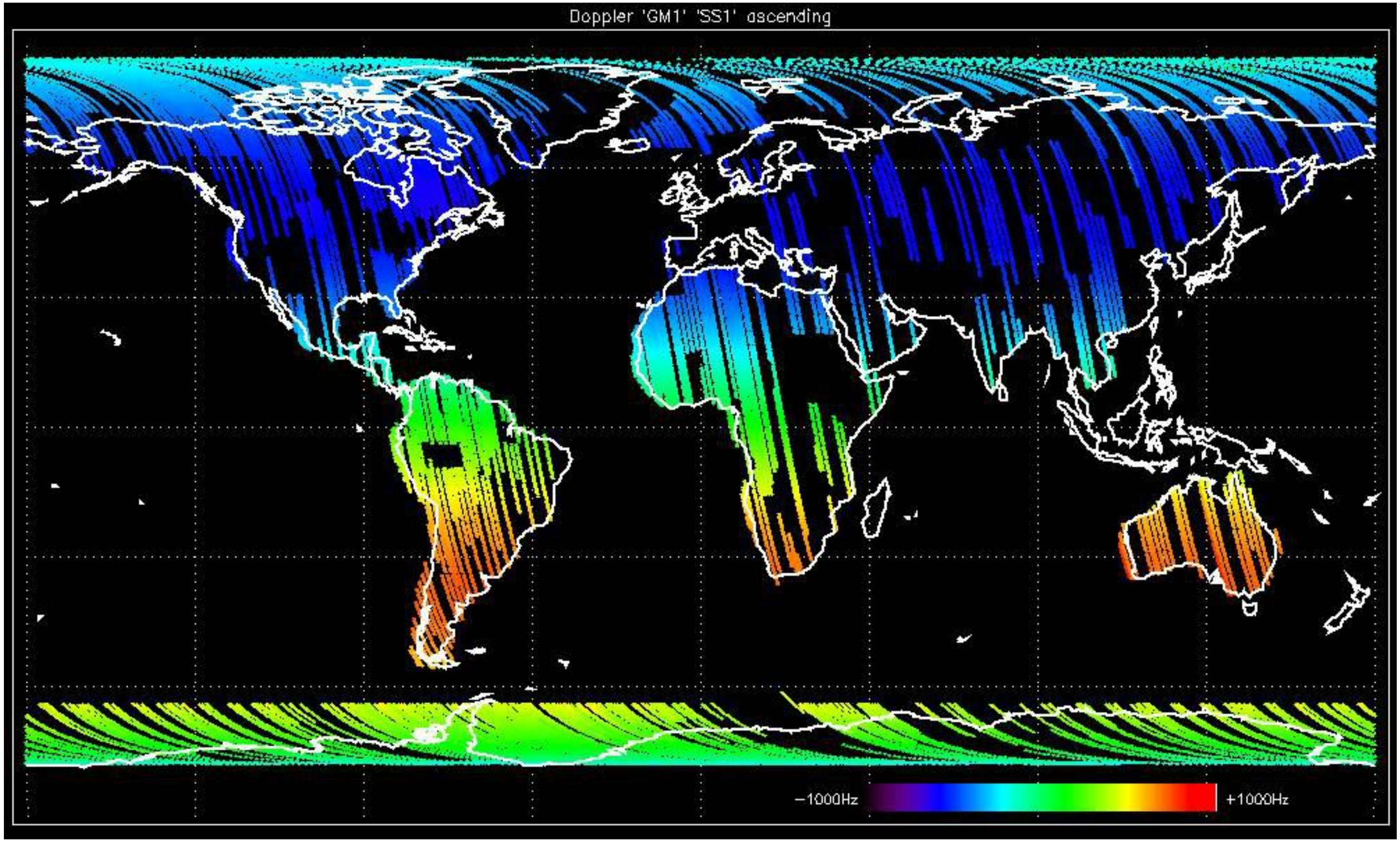
No anomalies observed.

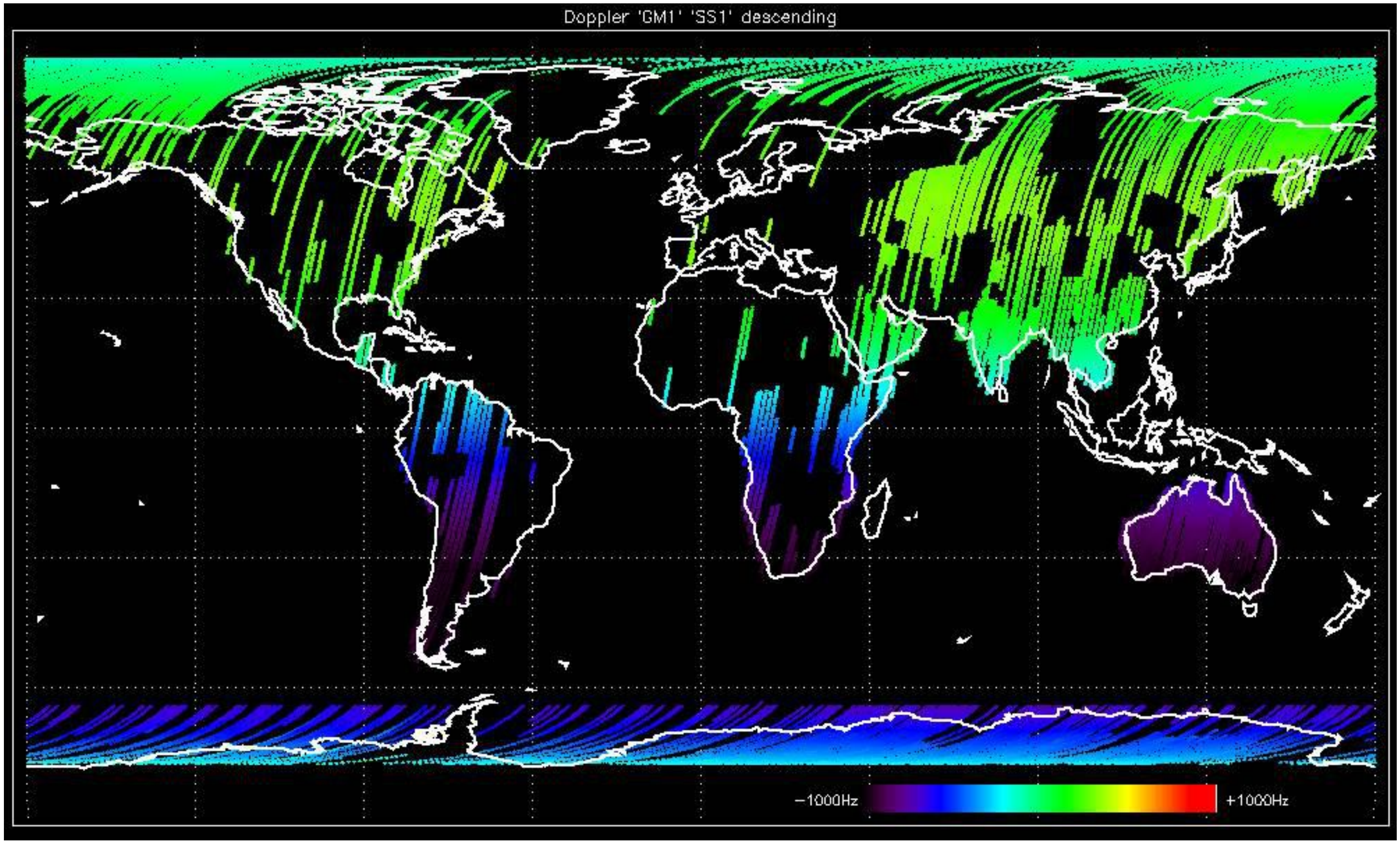

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

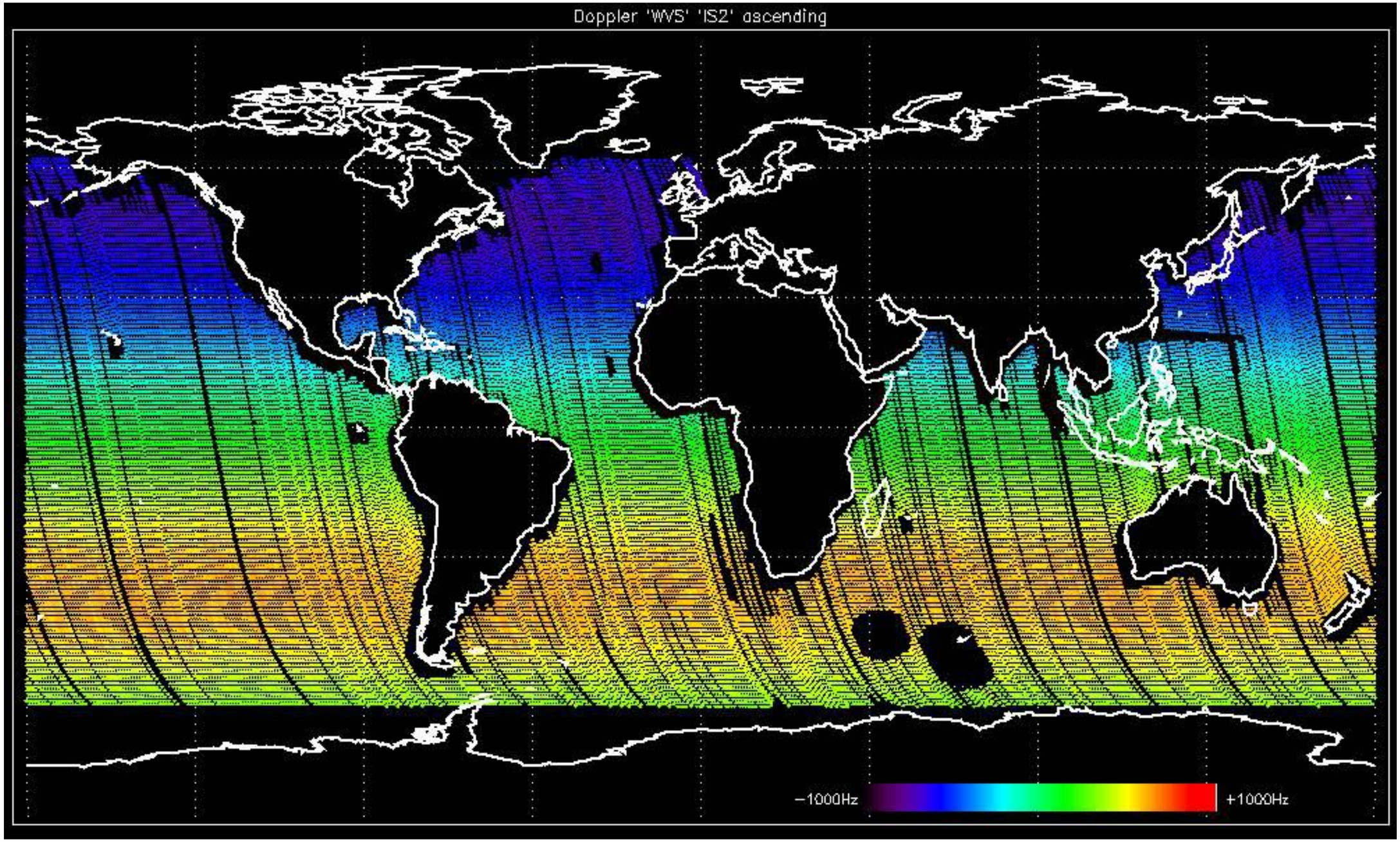

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

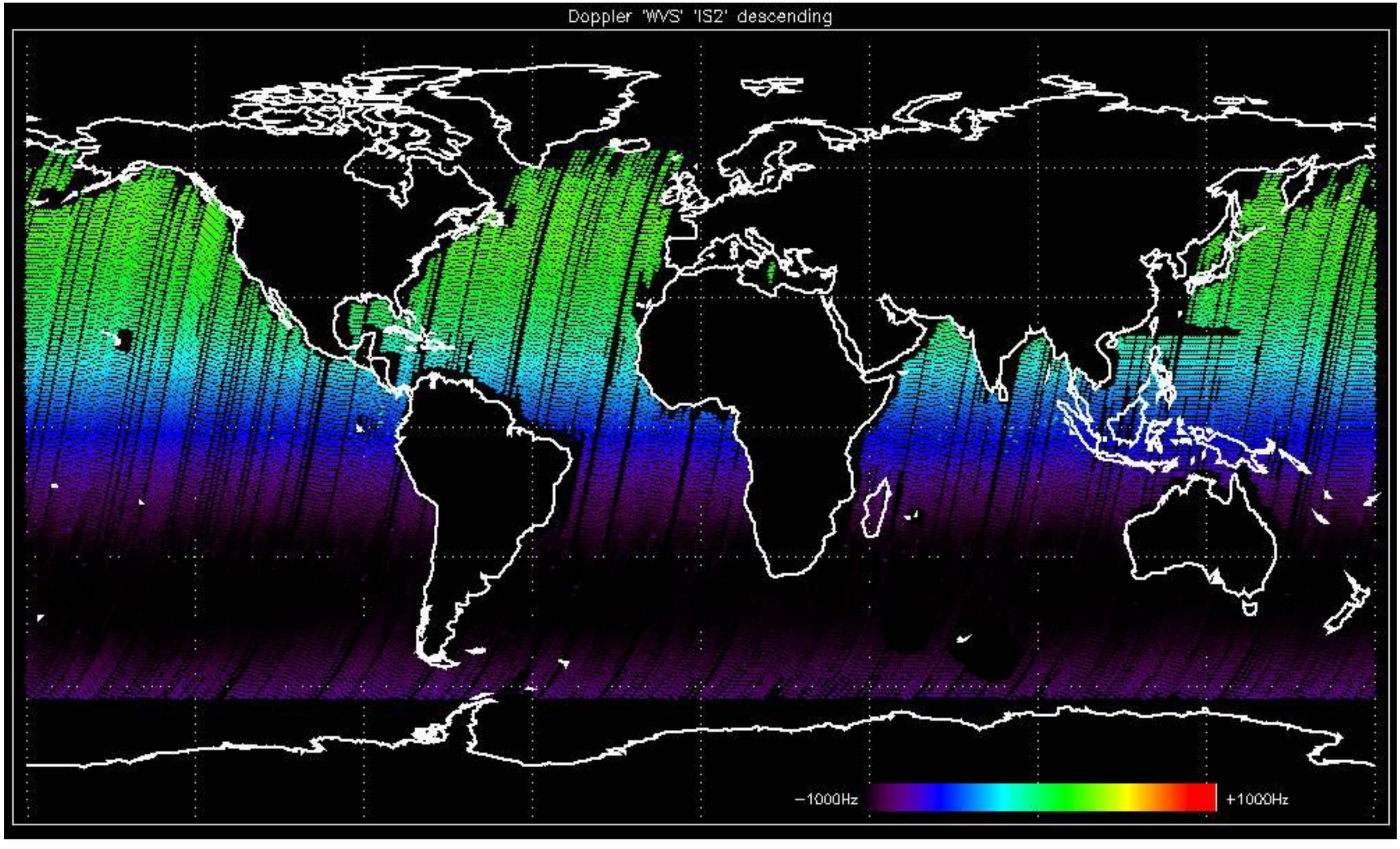
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

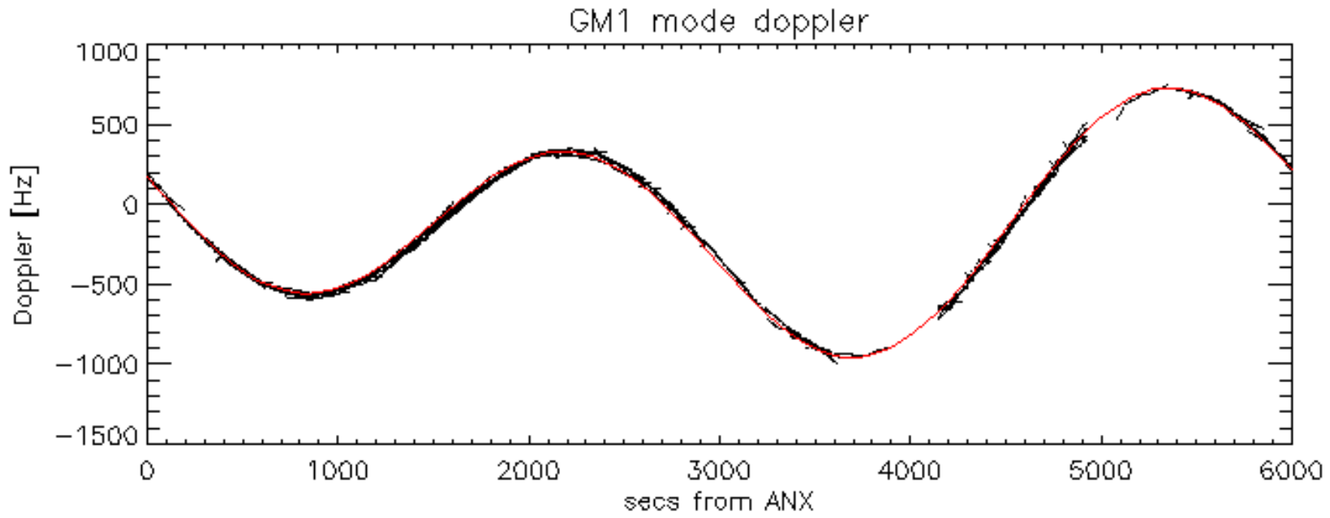
Preliminary report.The data is not yet controled

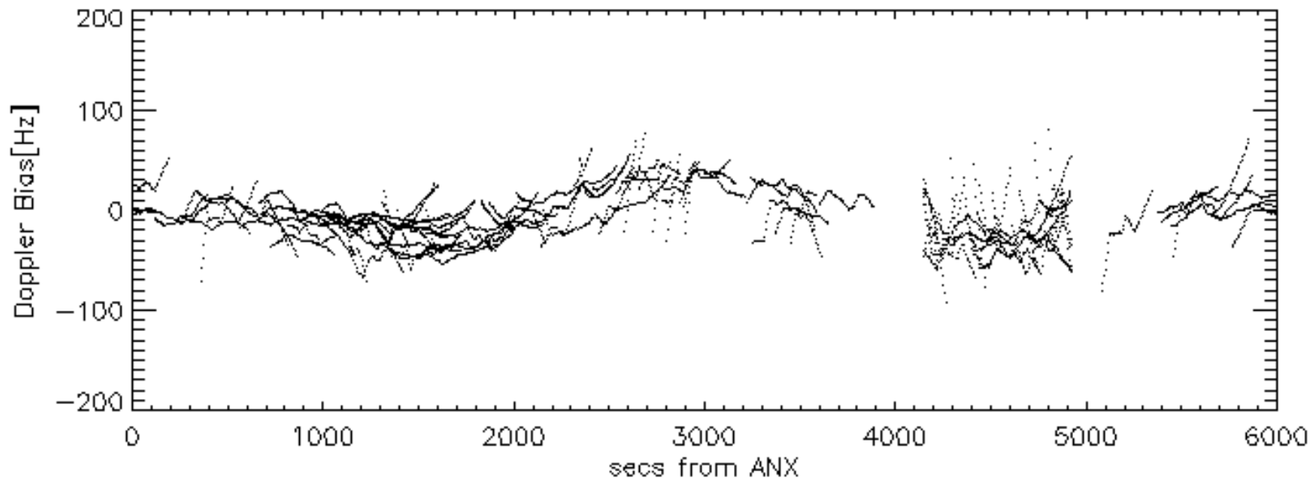

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

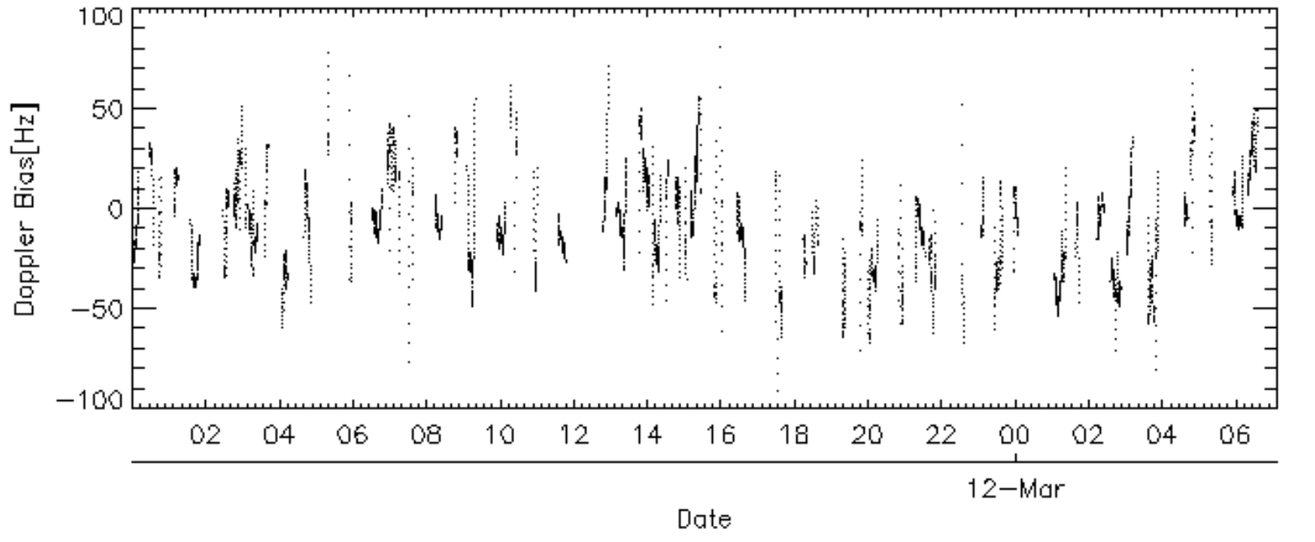

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

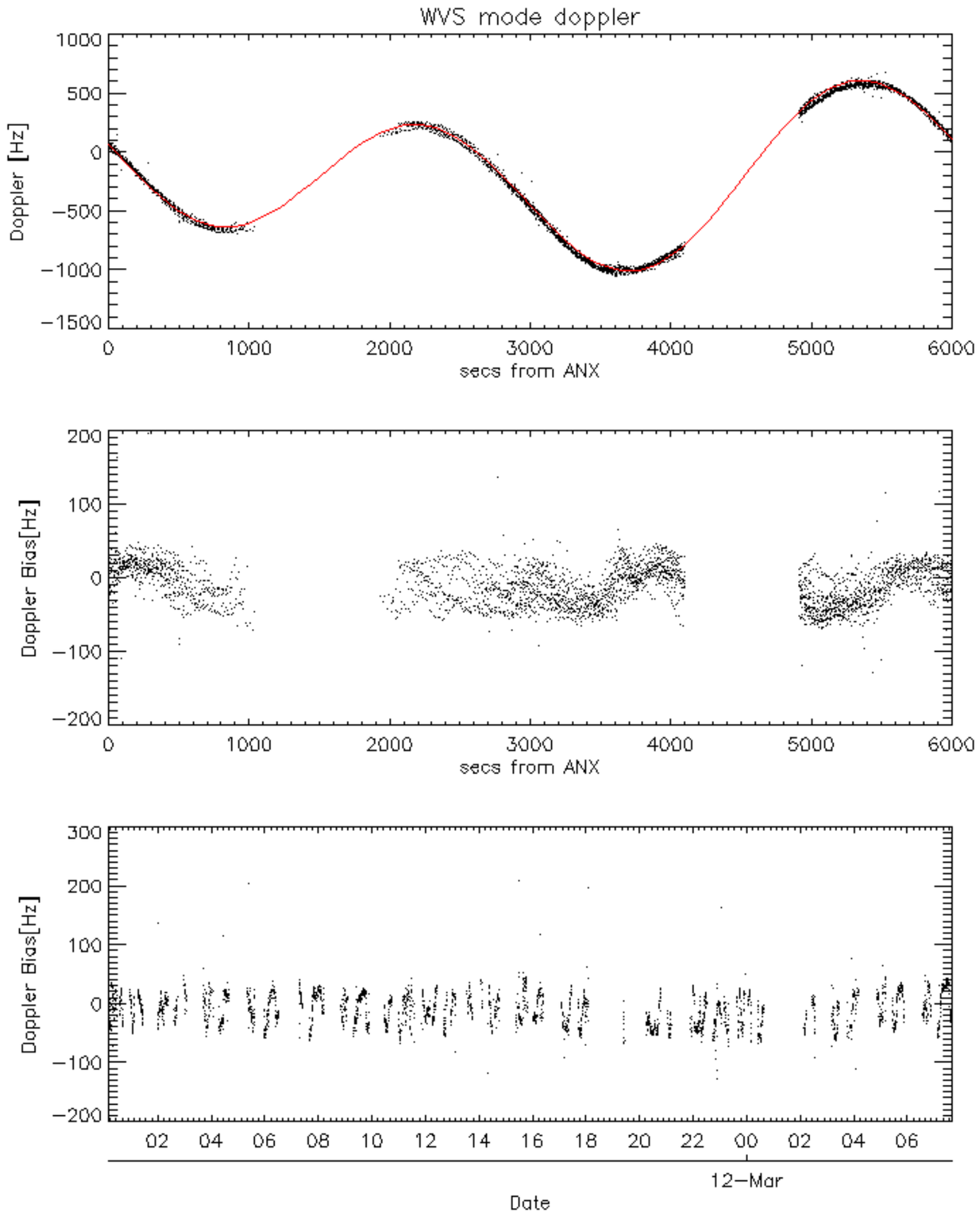

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

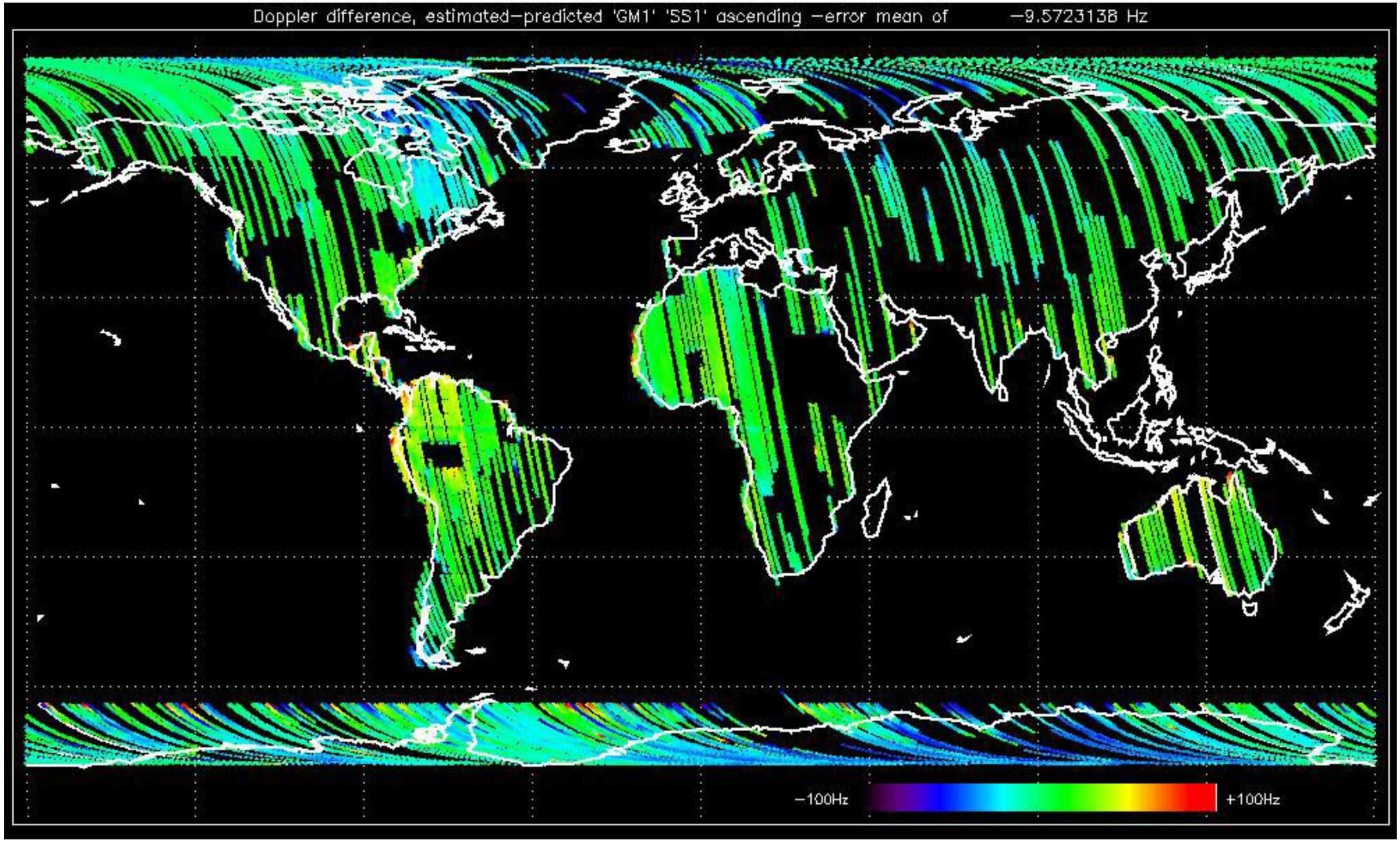

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

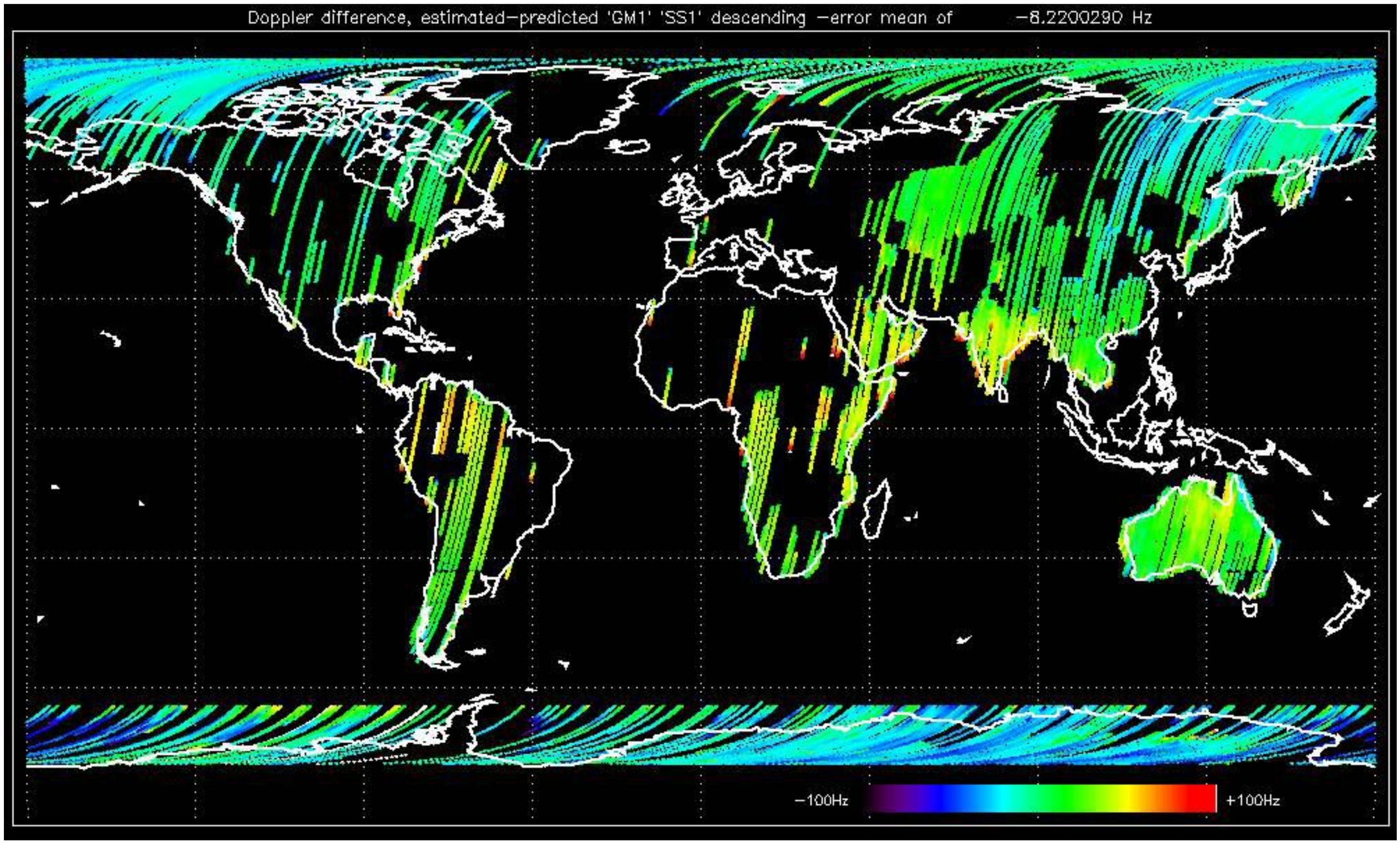

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

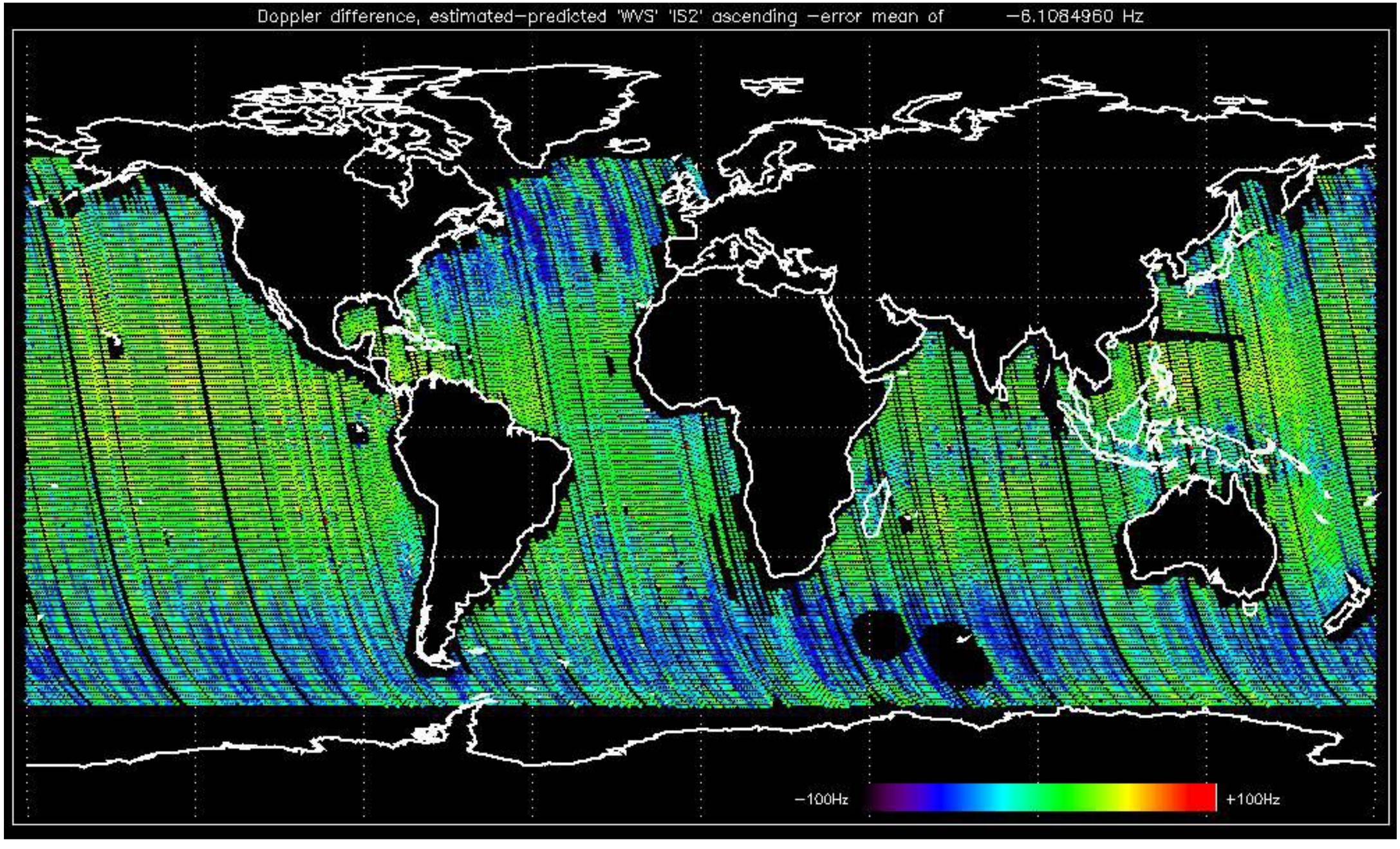

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

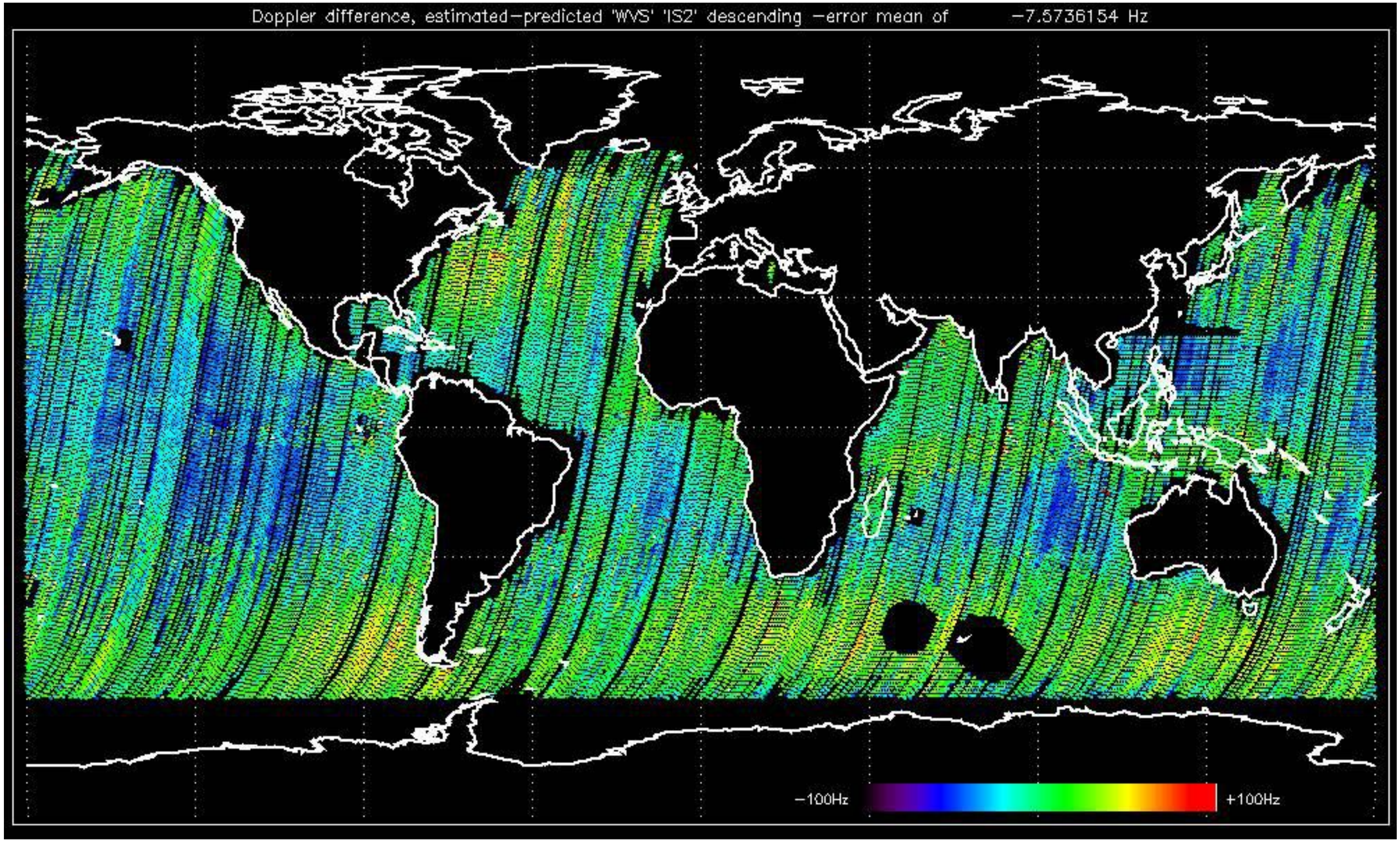

Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
12−Mar
Date


WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
12−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −9.5723138 Hz
−100Hz
+100Hz

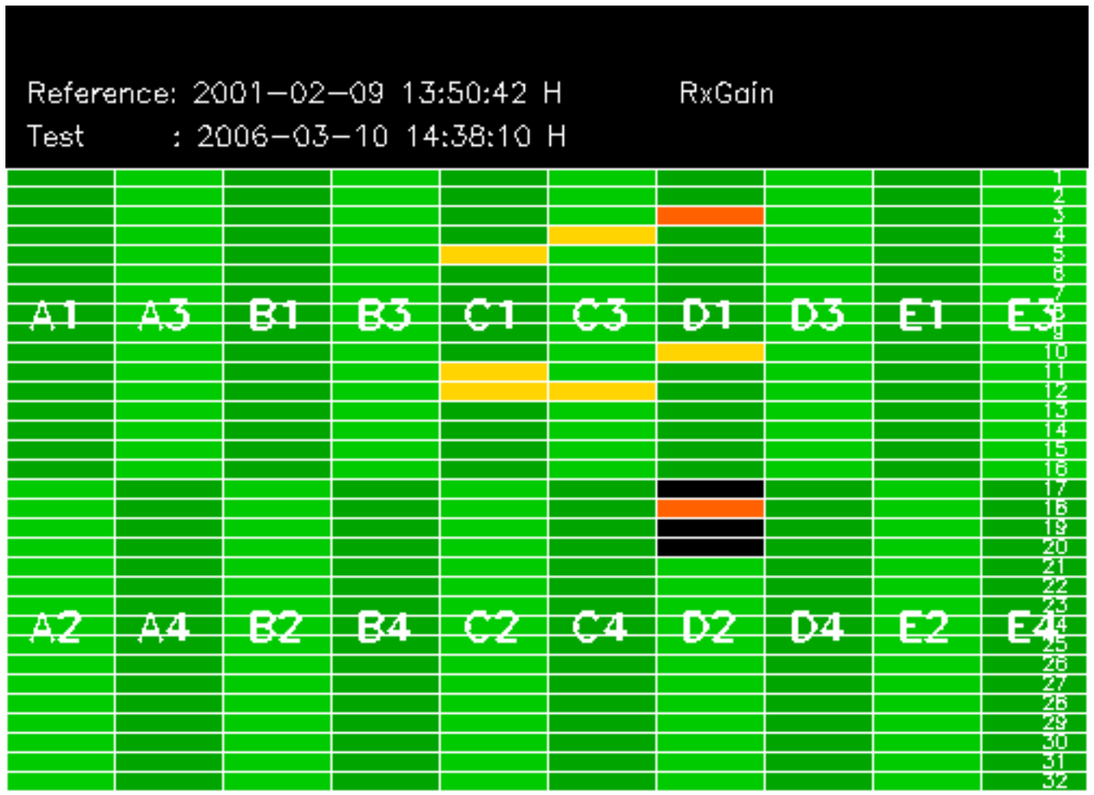

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −8.2200290 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.1084960 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.5736154 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-10 14:38:10 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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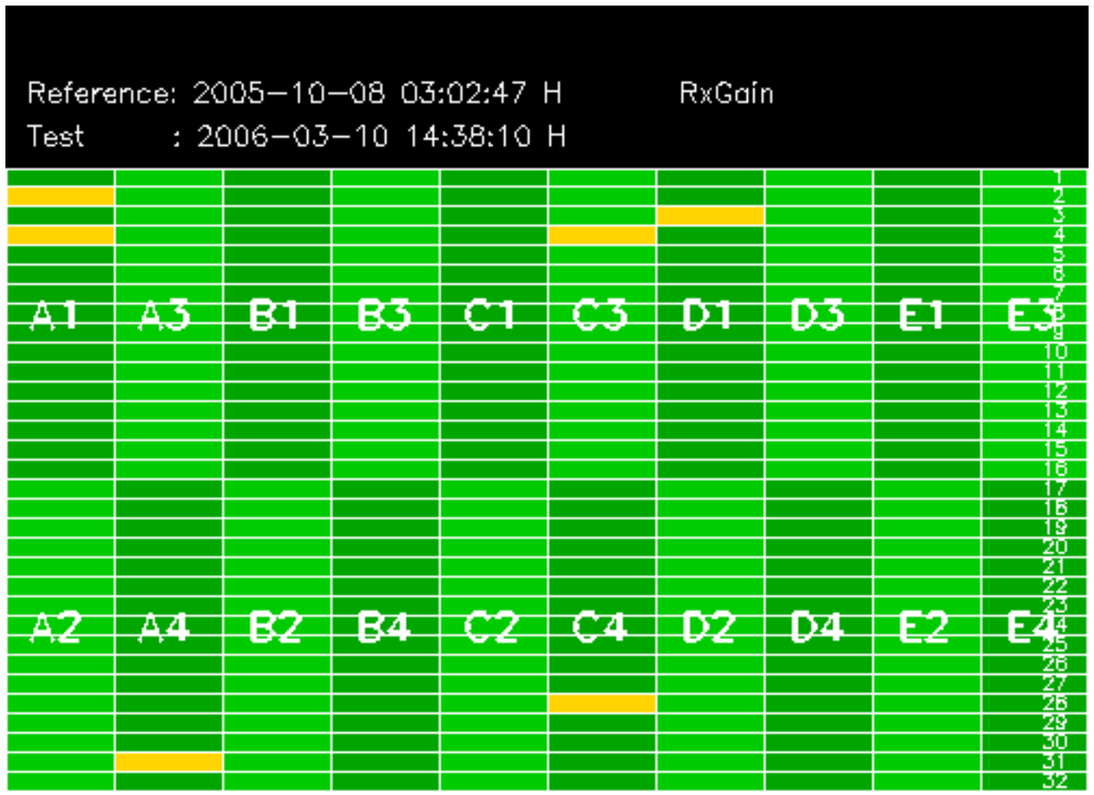
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-10 14:38:10 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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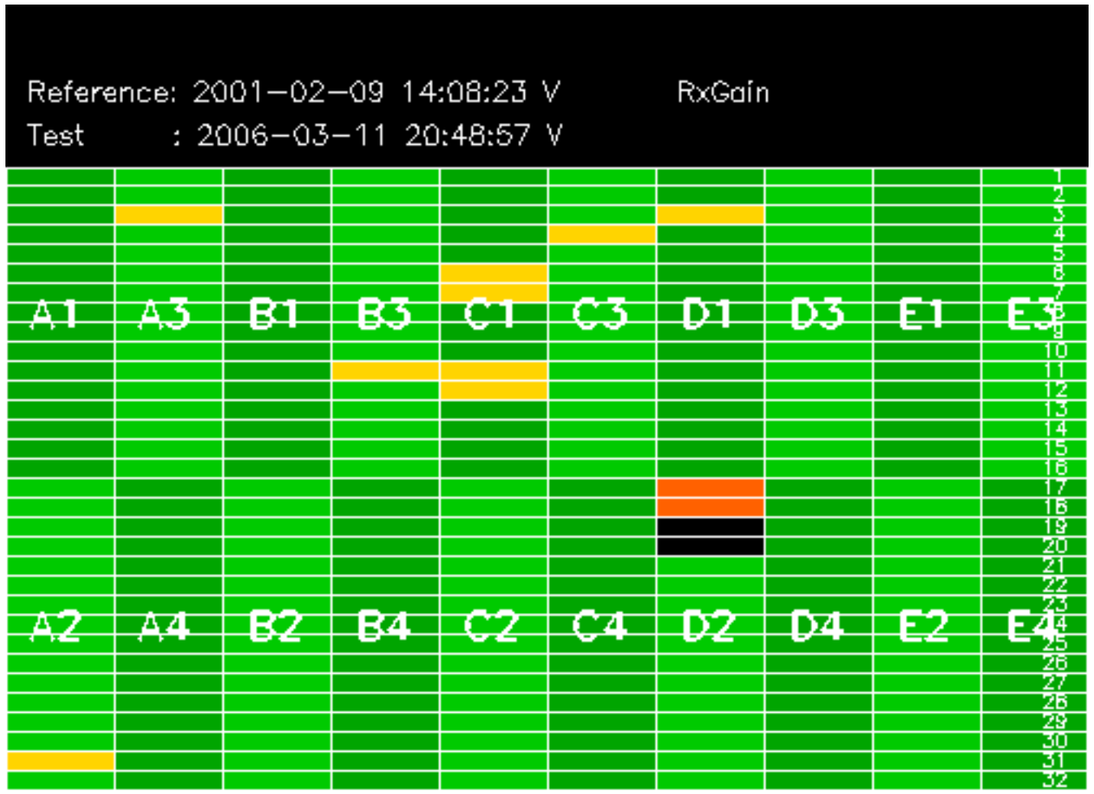
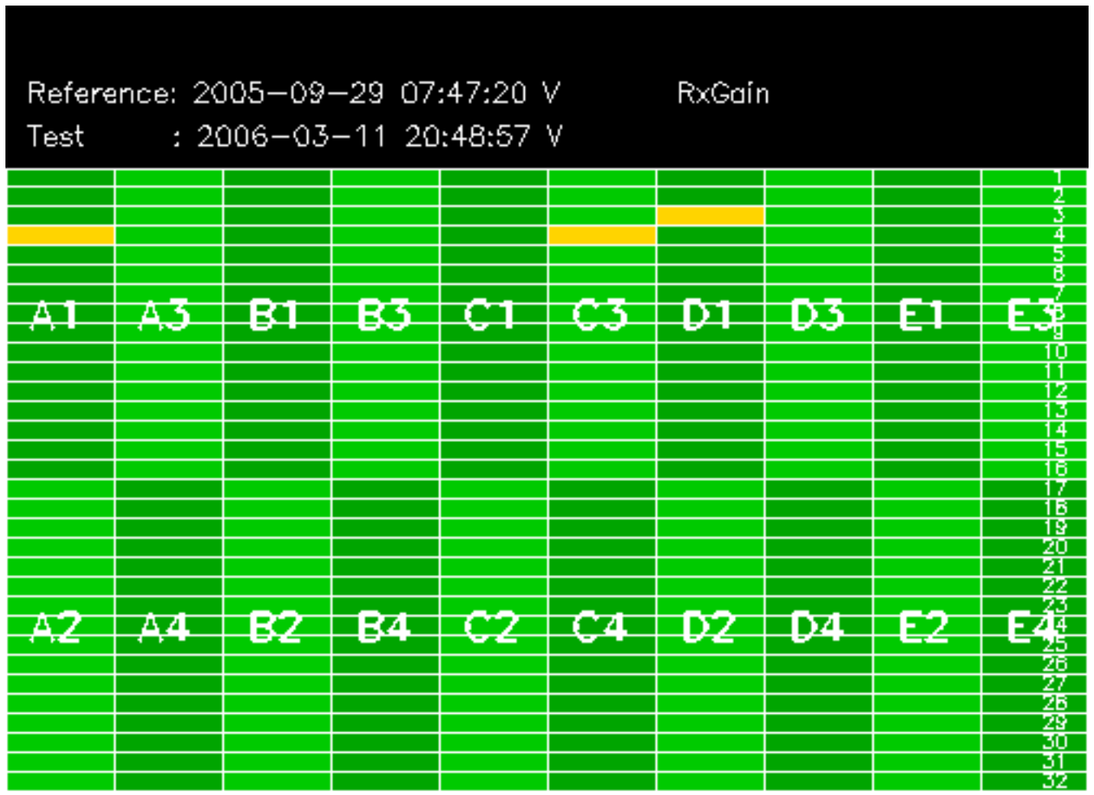

Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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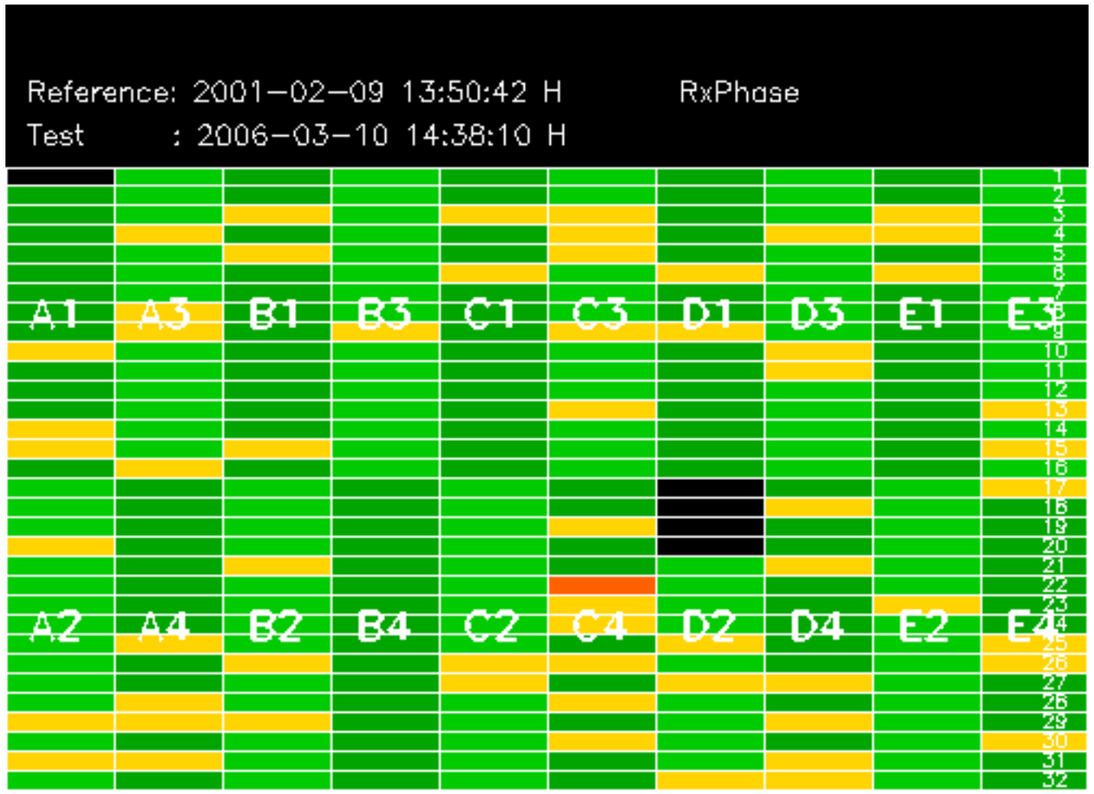
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-03-10 14:38:10 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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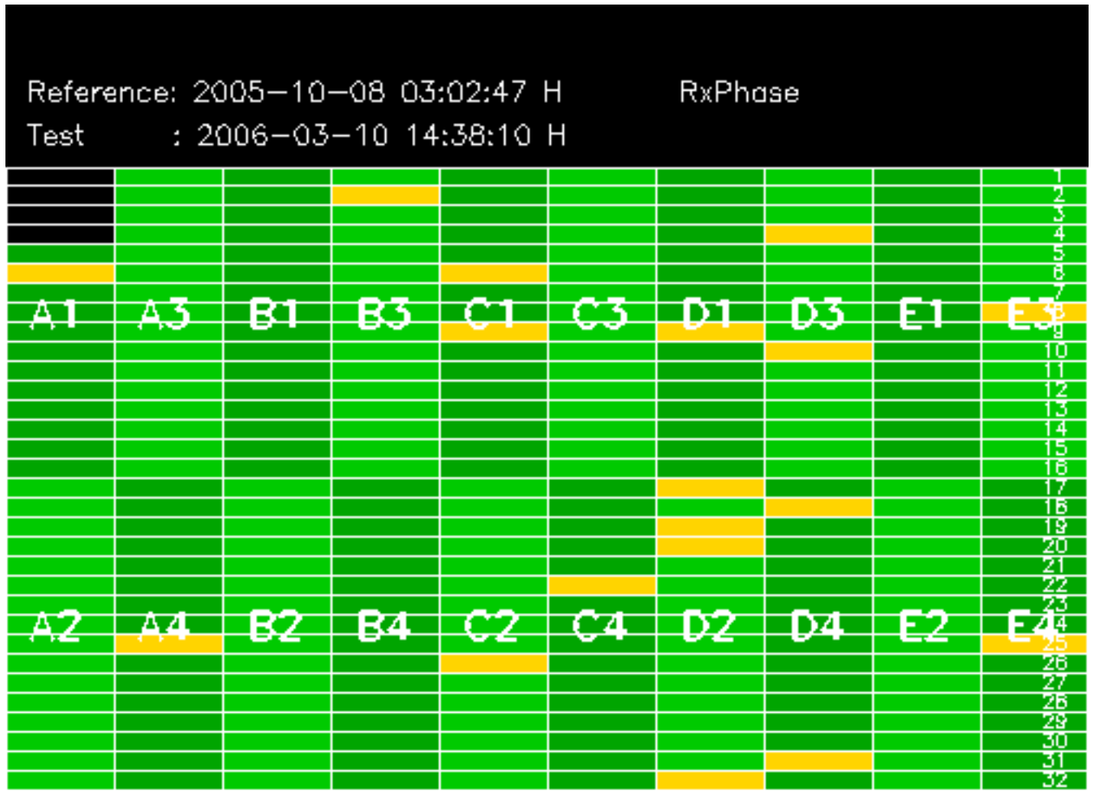
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-03-10 14:38:10 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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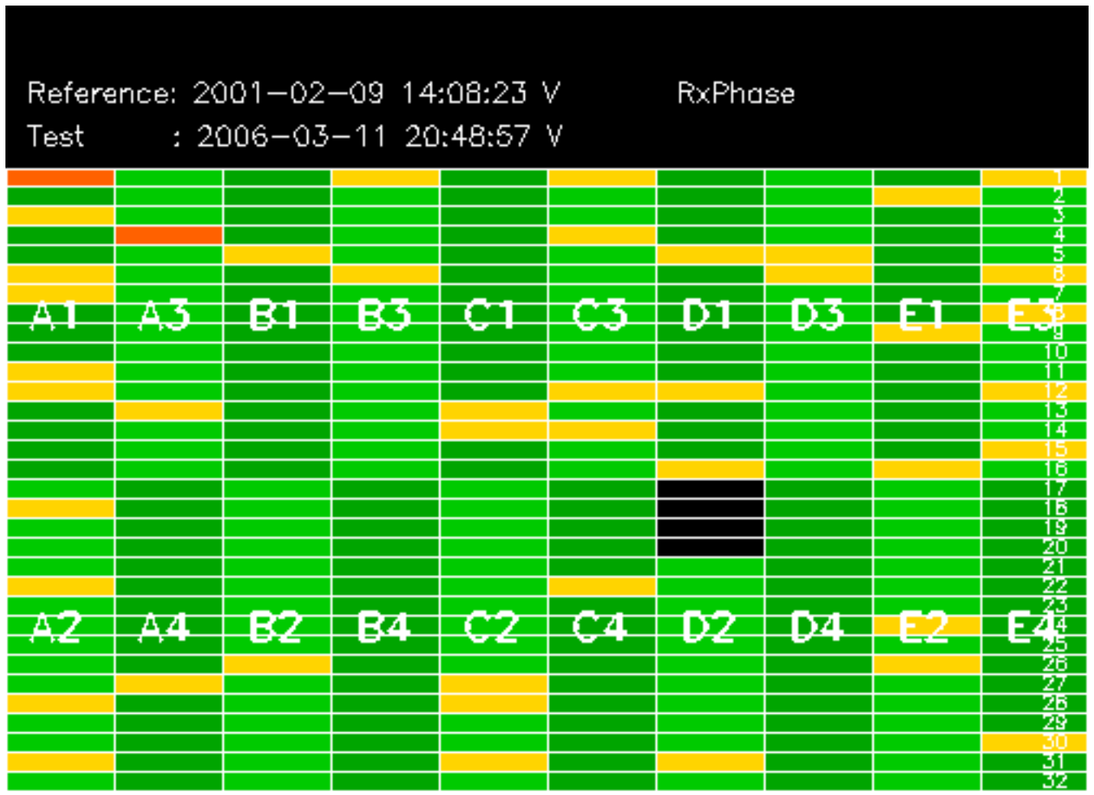
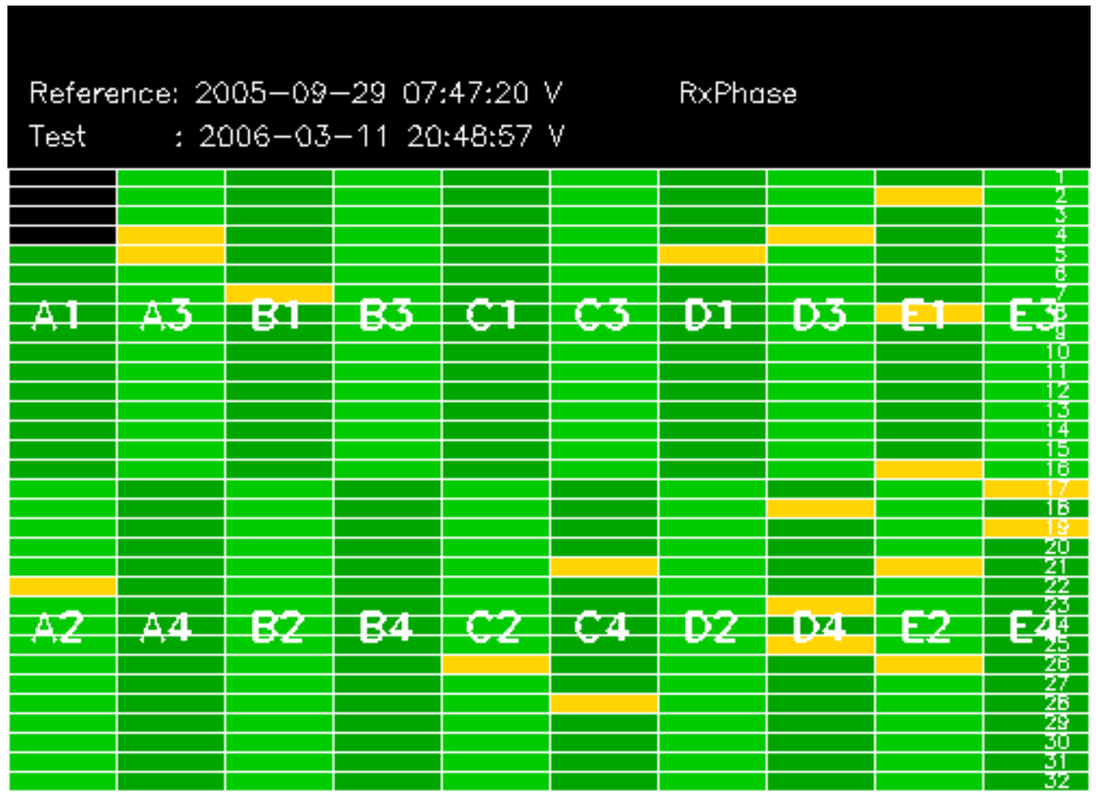

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-03-11 20:48:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 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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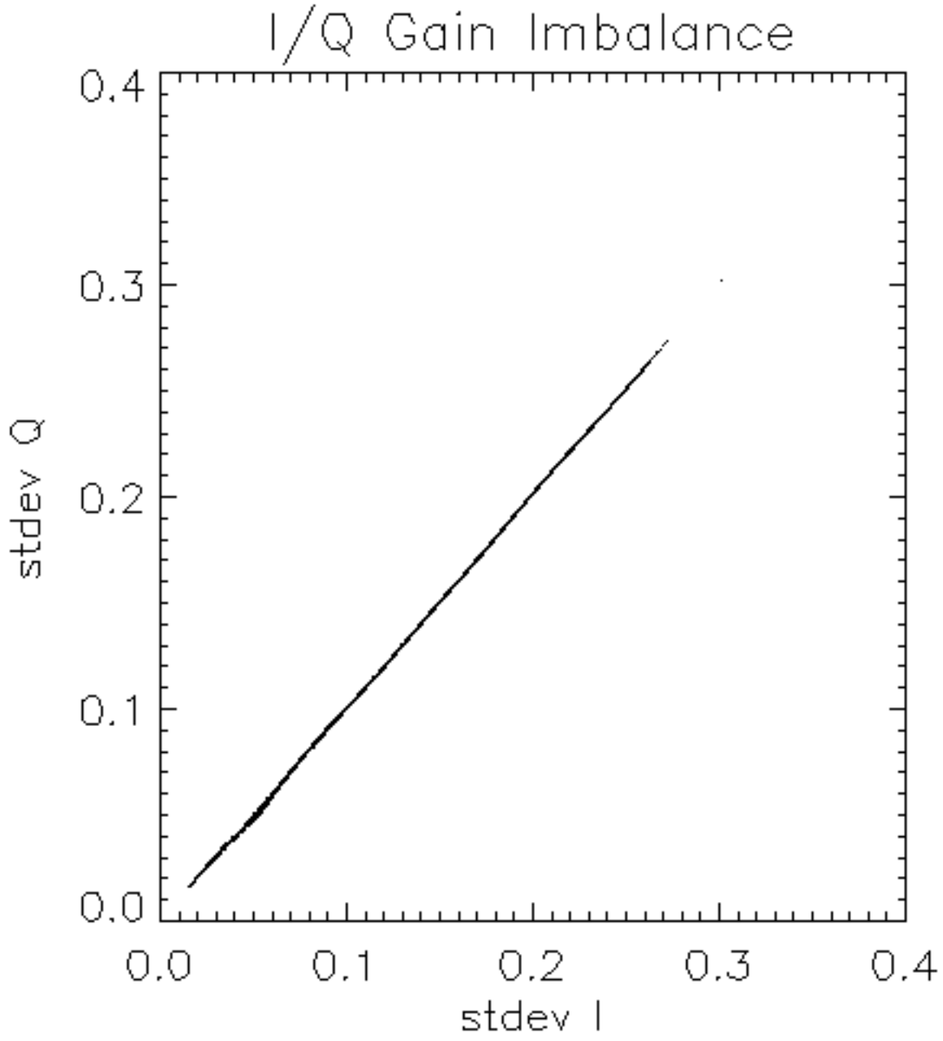
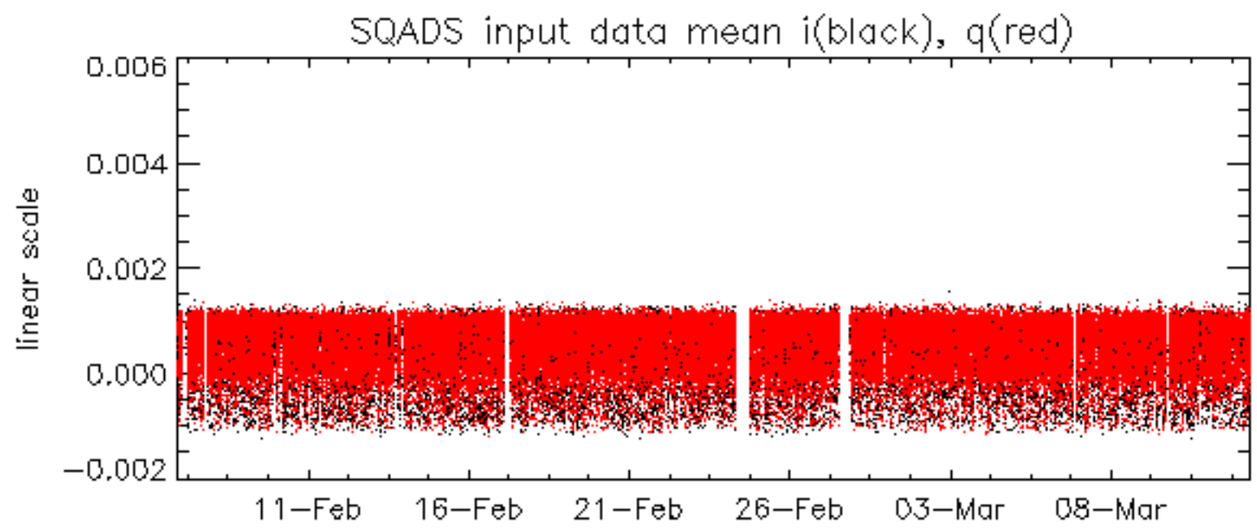
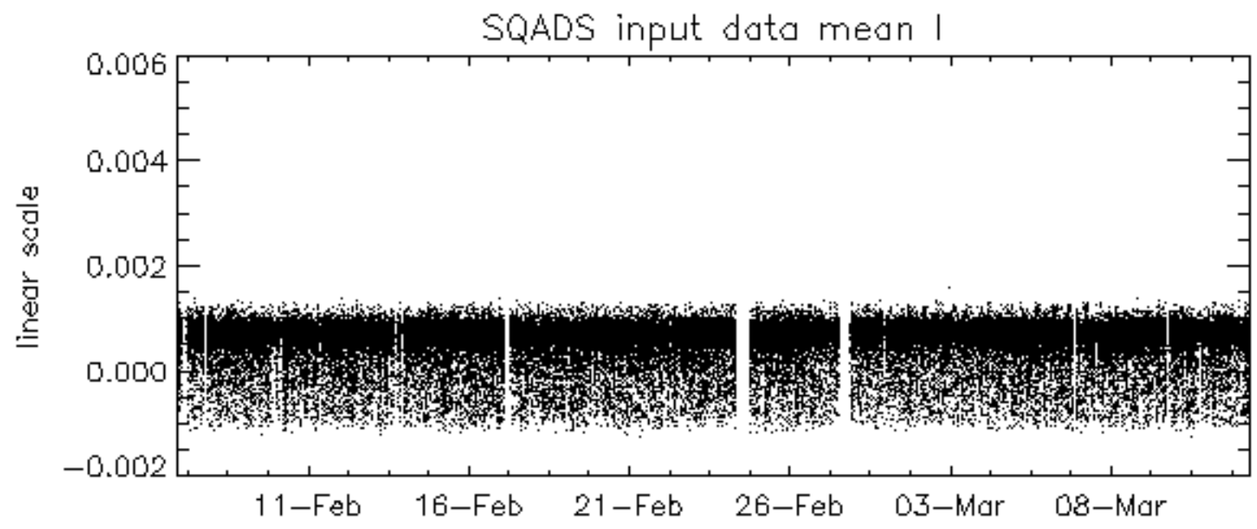
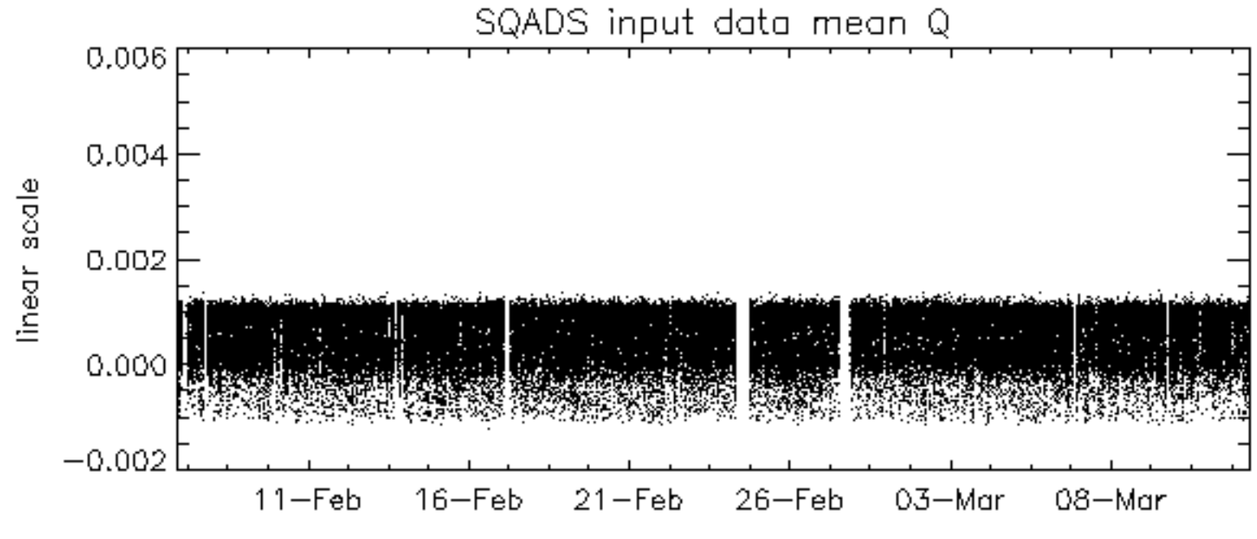
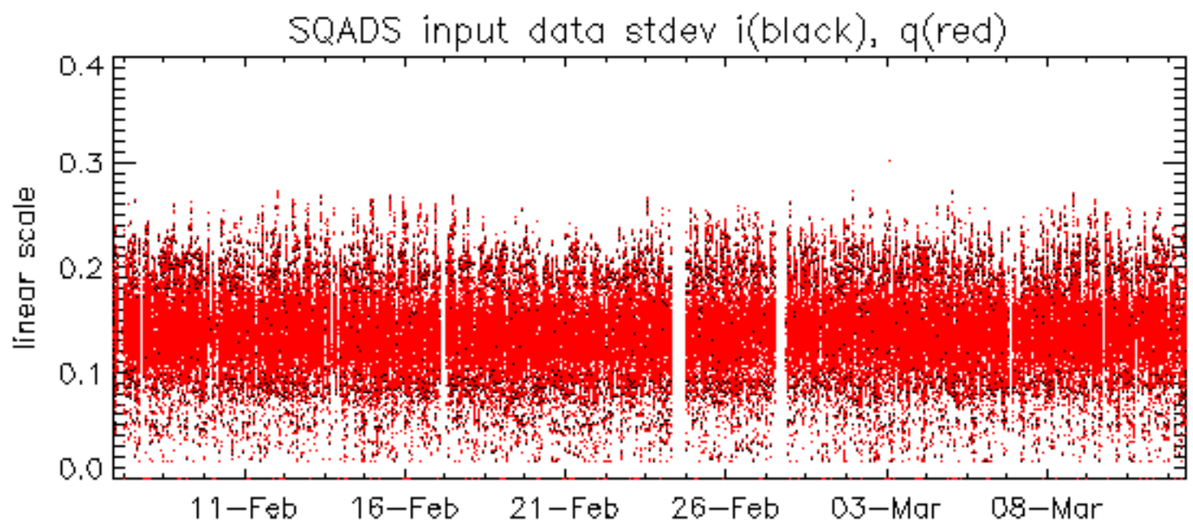
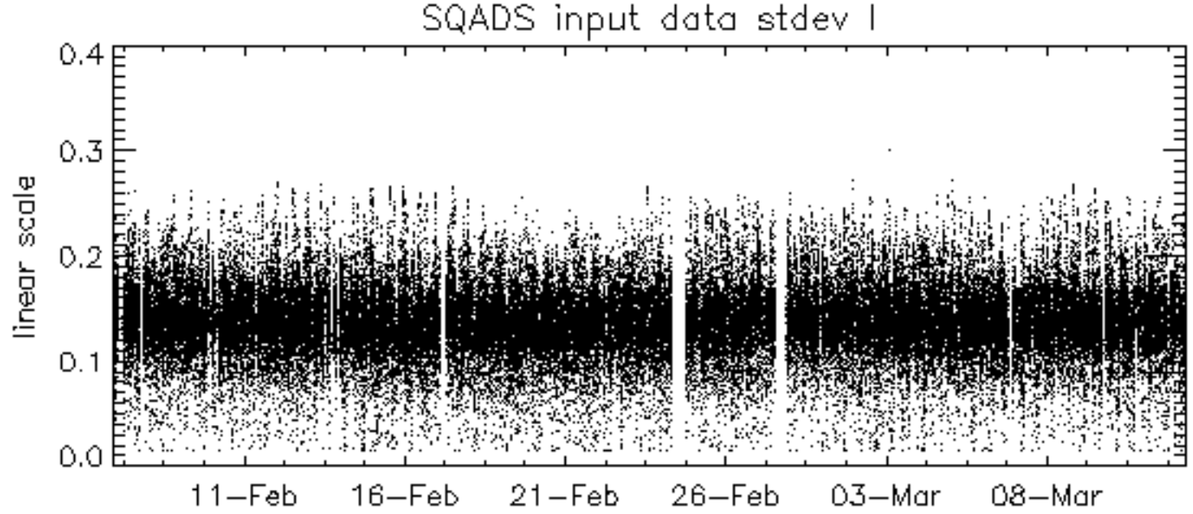

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

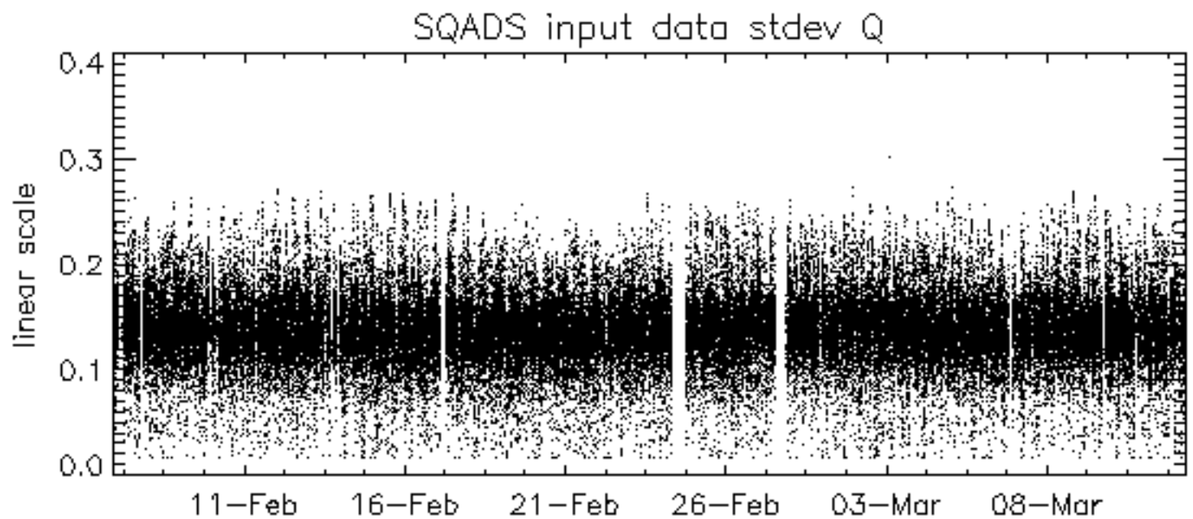

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar

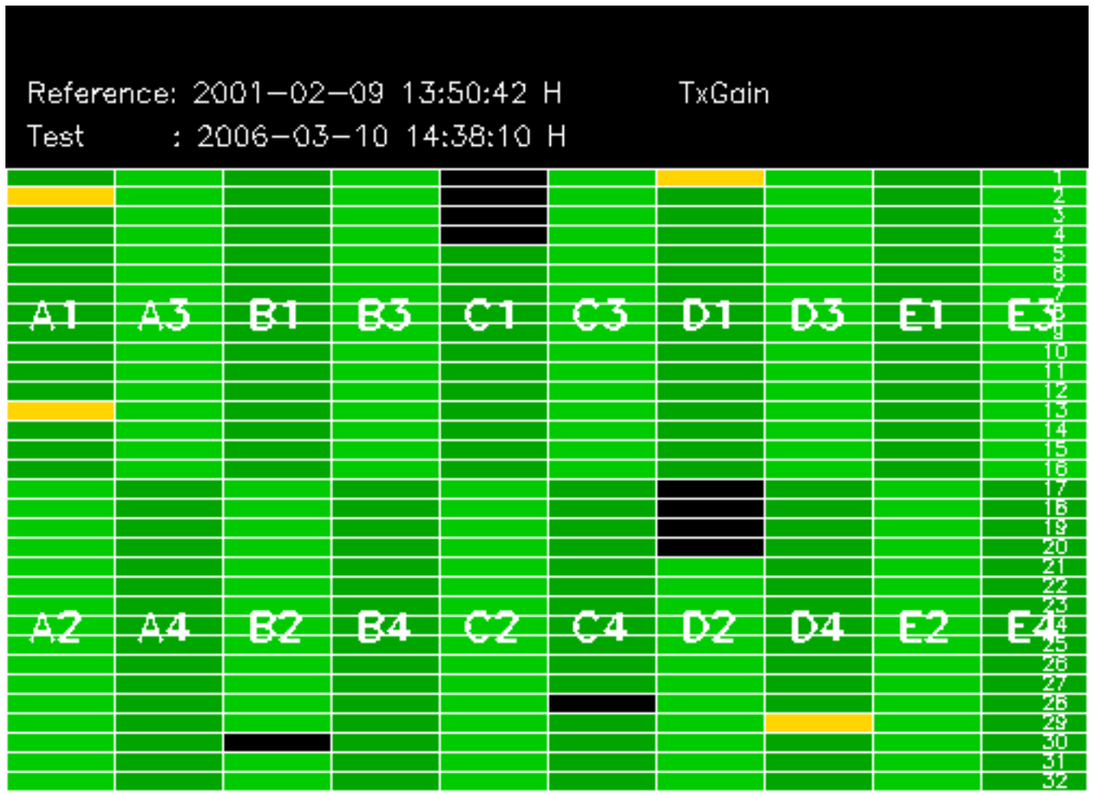

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Feb
16−Feb
21−Feb
26−Feb
03−Mar
08−Mar


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


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
11–Feb
16–Feb
21–Feb
26–Feb
03–Mar
08–Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
11–Feb
16–Feb
21–Feb
26–Feb
03–Mar
08–Mar


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-10 14:38:10 H
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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E4
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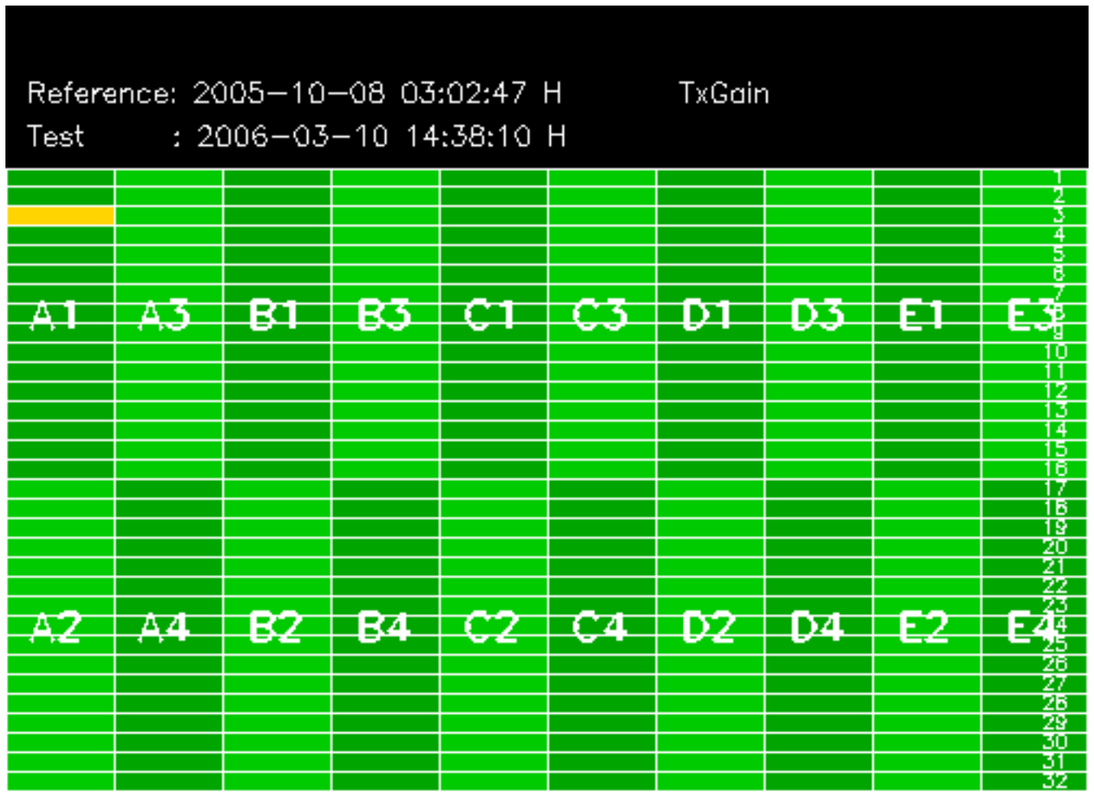
Reference: 2005-10-08 03:02:47 H
Test : 2006-03-10 14:38:10 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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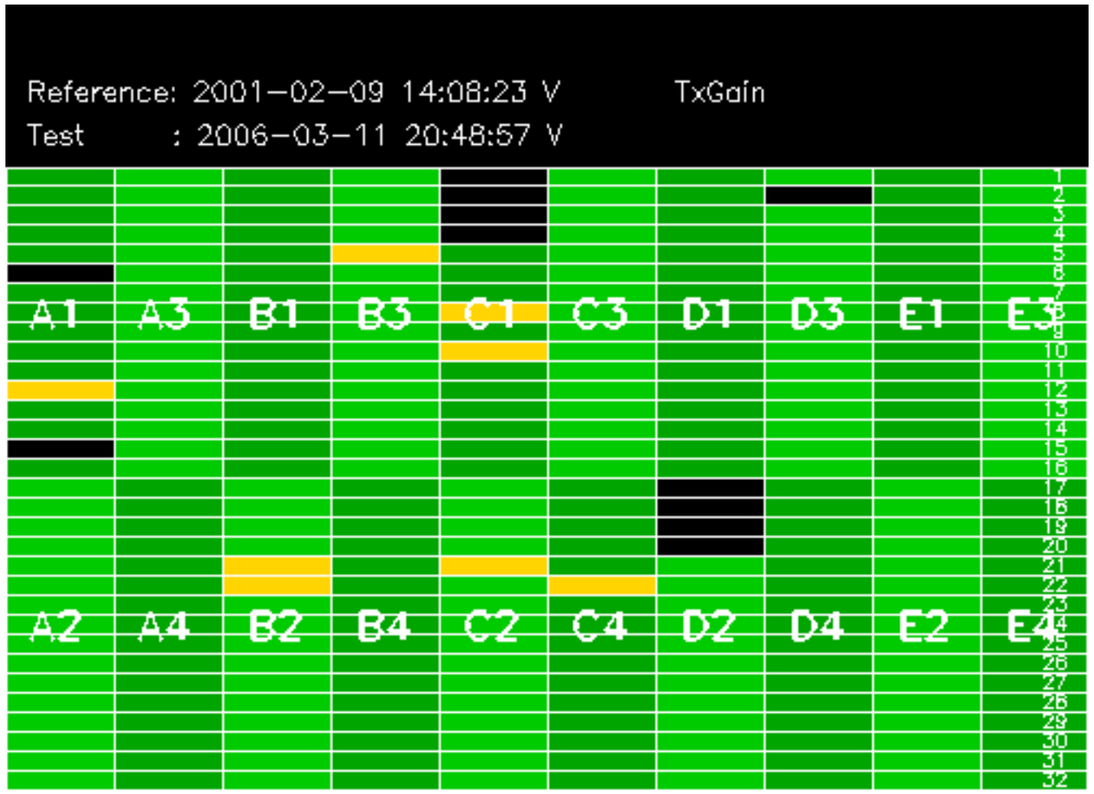
Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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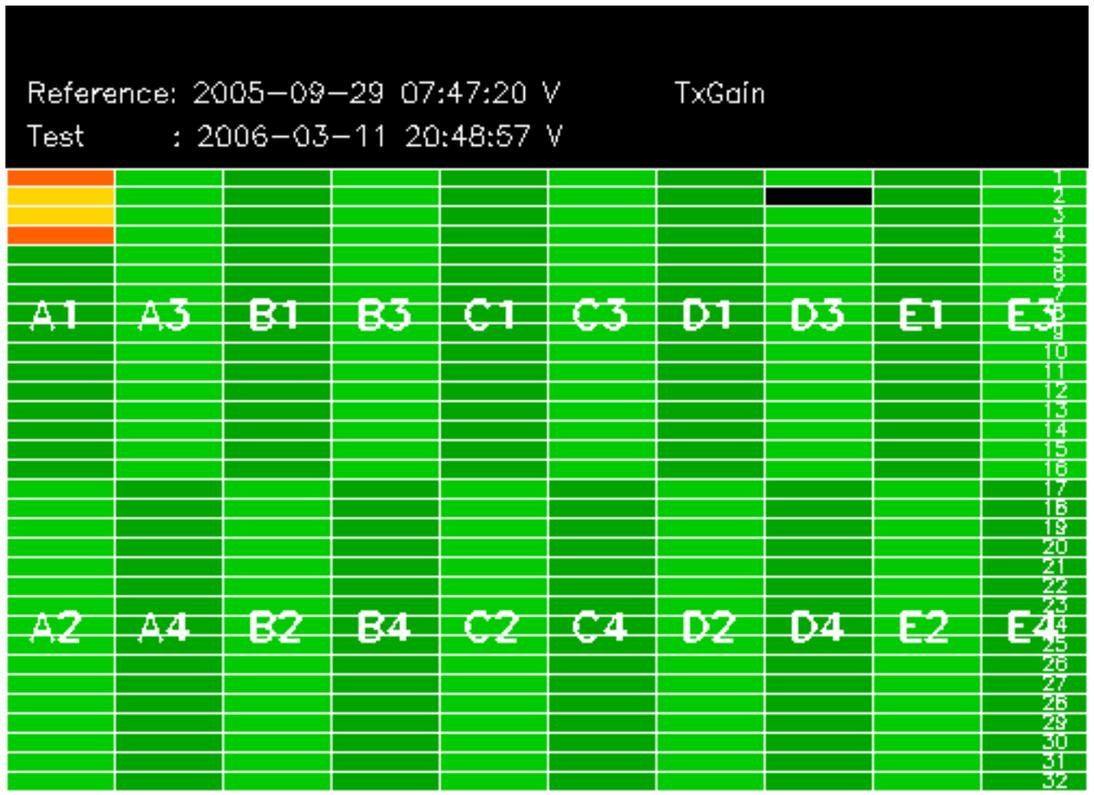
Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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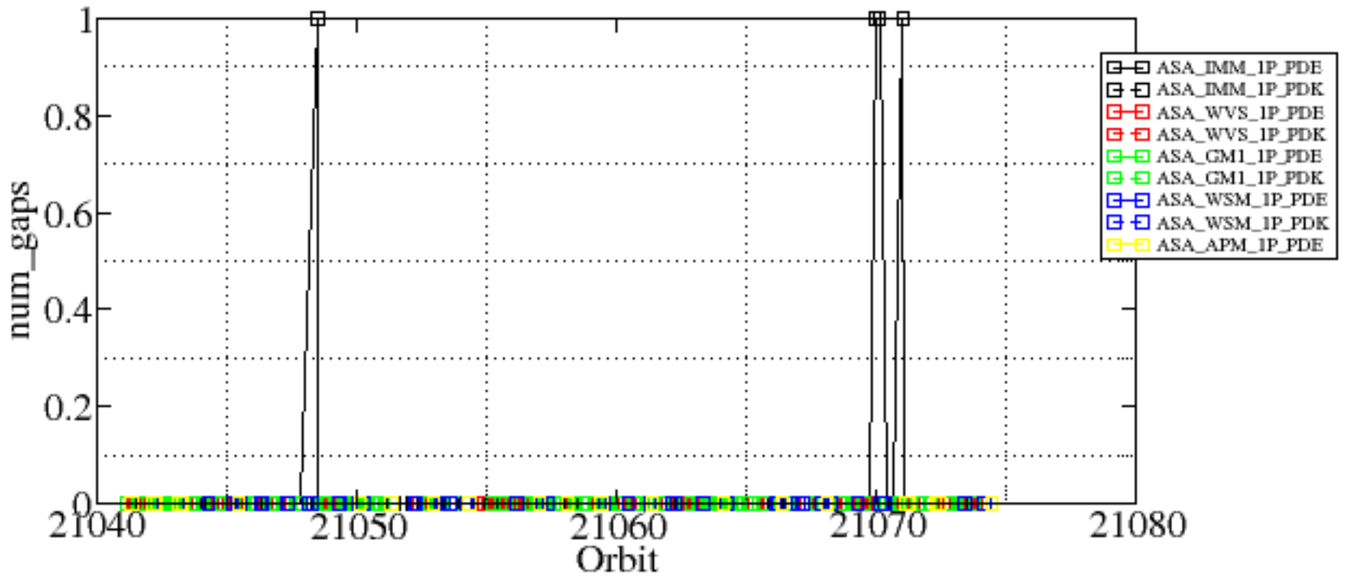
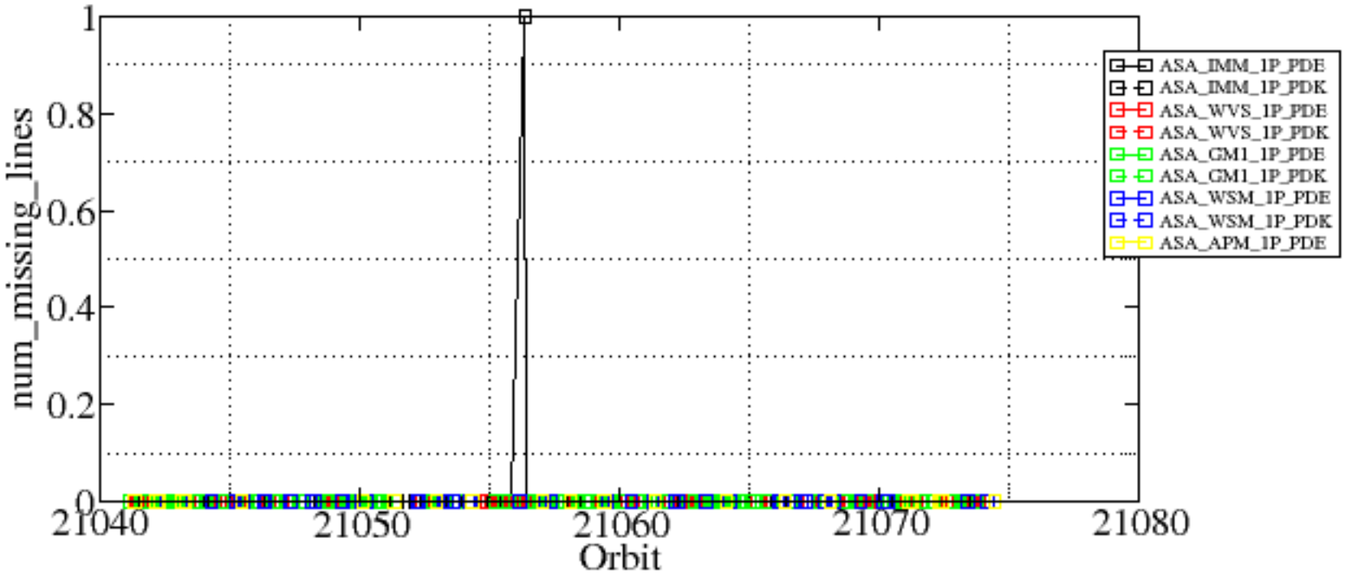
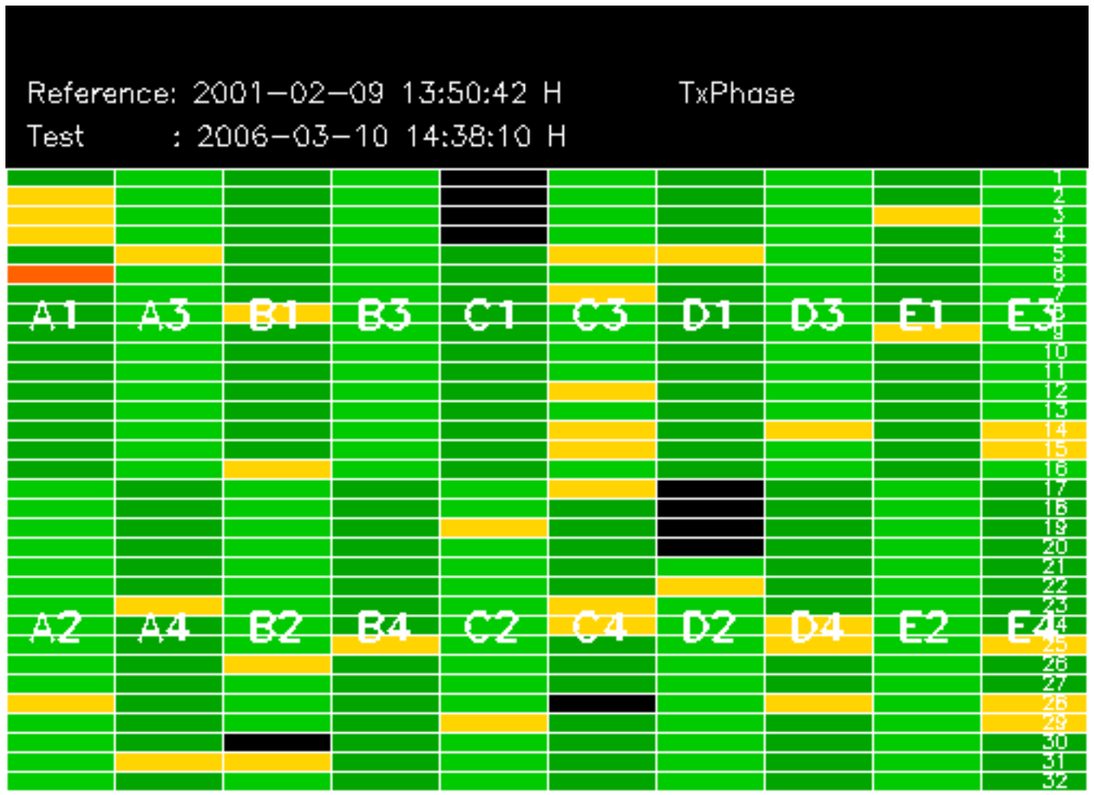
Summary of analysis for the last 3 days 2006031[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060310_124102_000000362045_00453_21048_0326.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060311_015053_000001992045_00461_21056_0412.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_003948_000001552045_00474_21069_0566.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_005604_000000362045_00475_21070_0559.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0586.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060312_022546_000000362045_00476_21071_0595.N1 </td> <td>1 </td> <td>0 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
21040
21050
21060
21070
21080
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
1
0.8
0.6
0.4
0.2
0
21040
21050
21060
21070
21080
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
Test : 2006-03-10 14:38:10 H
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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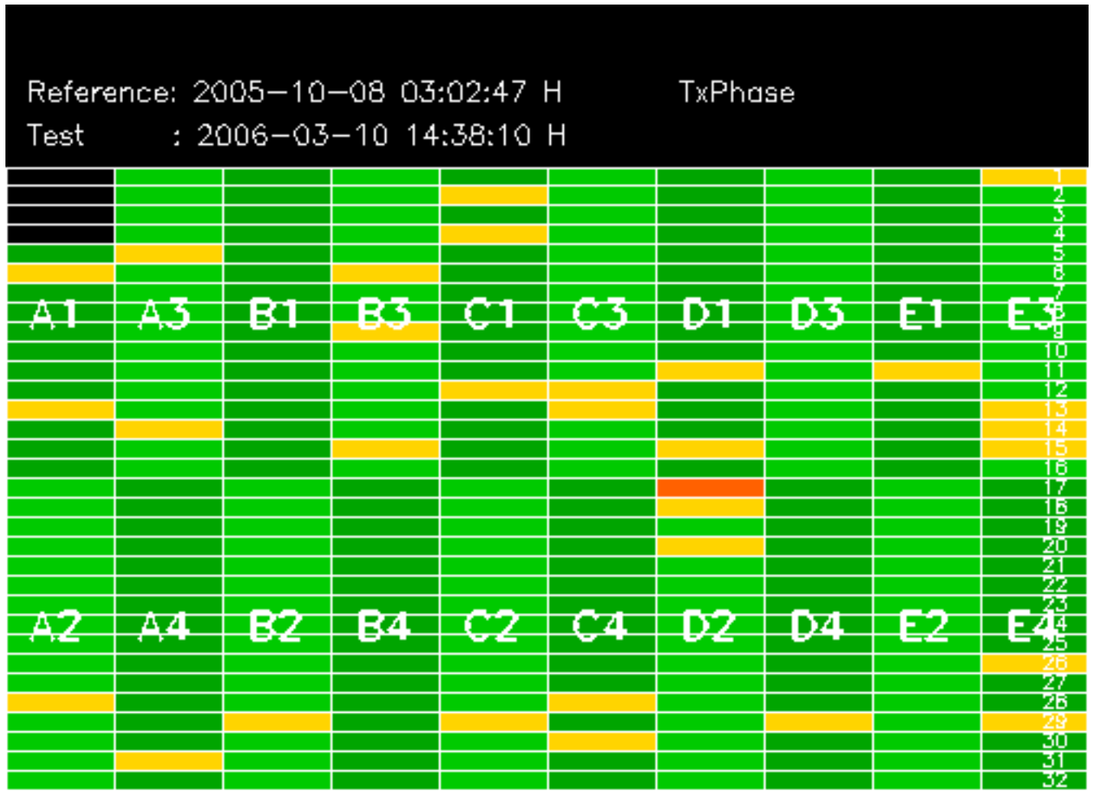
Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-03-10 14:38:10 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
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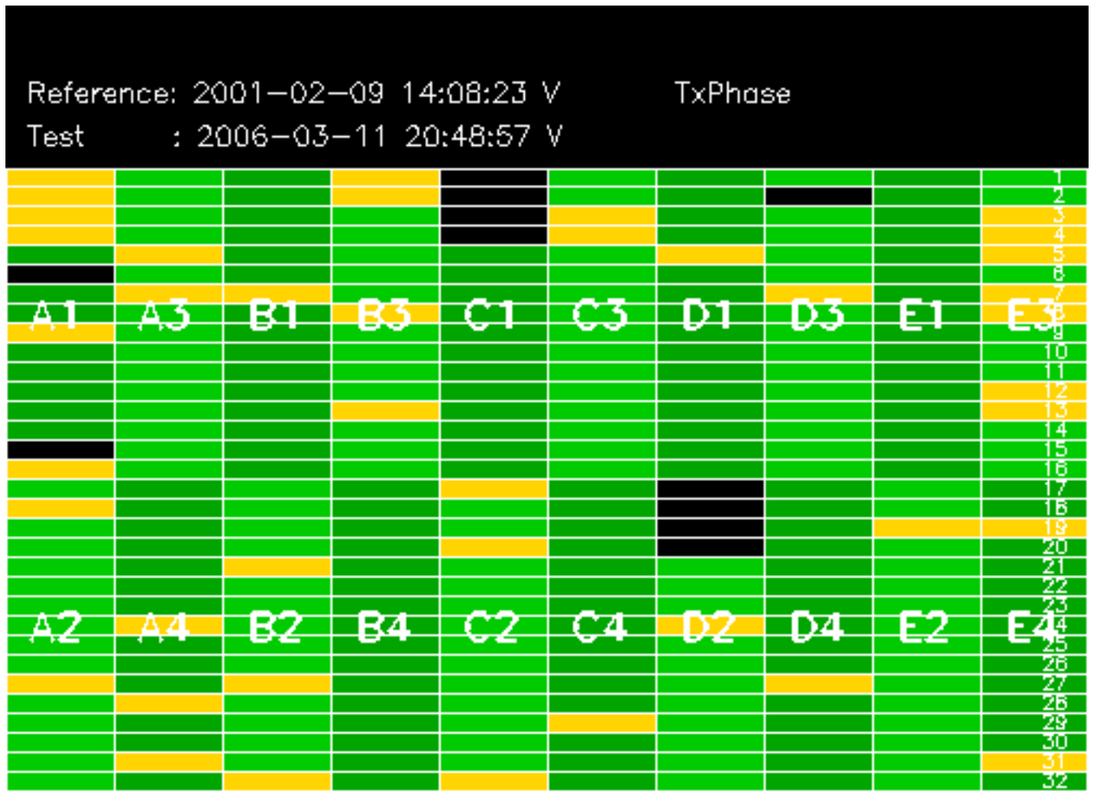
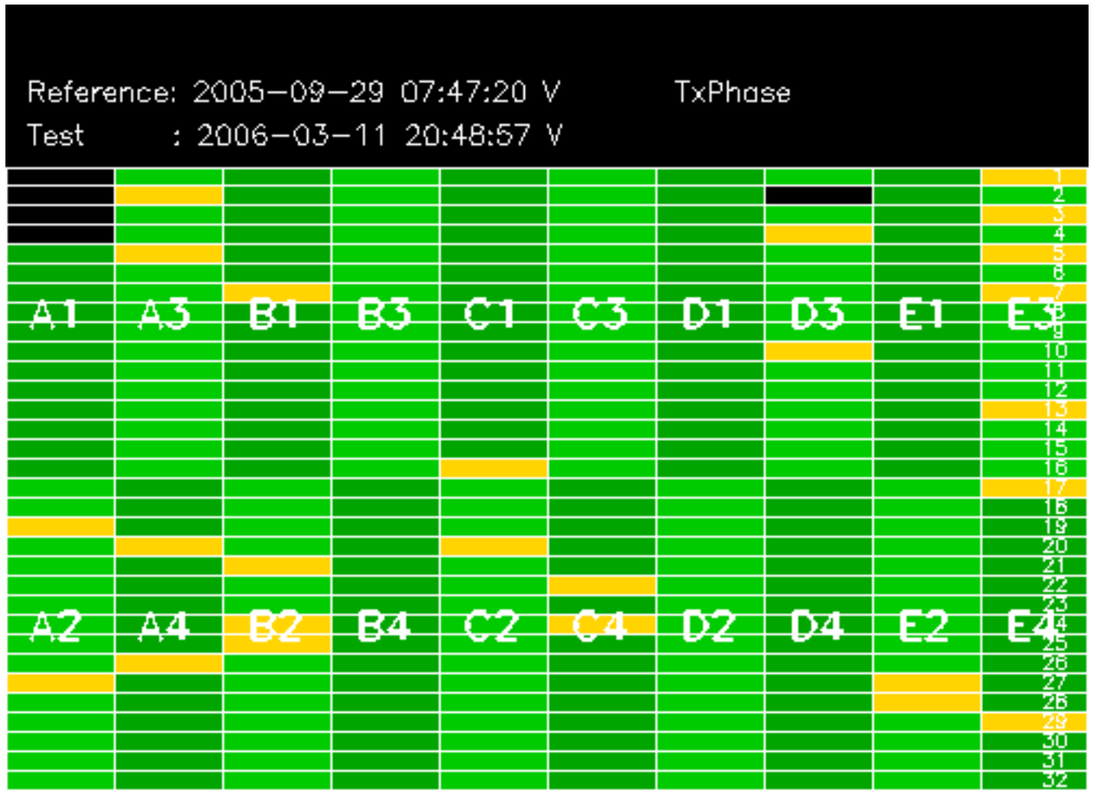
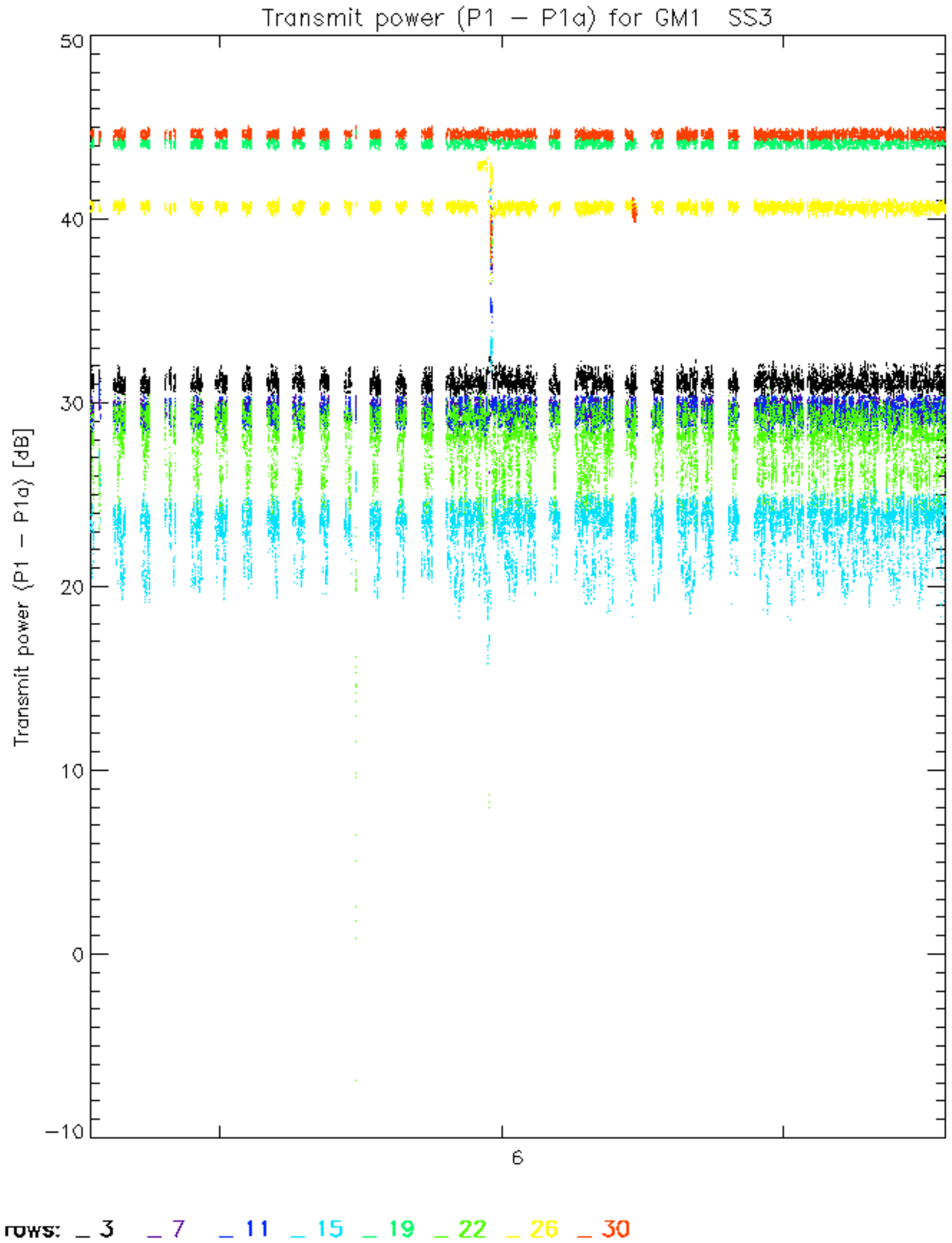
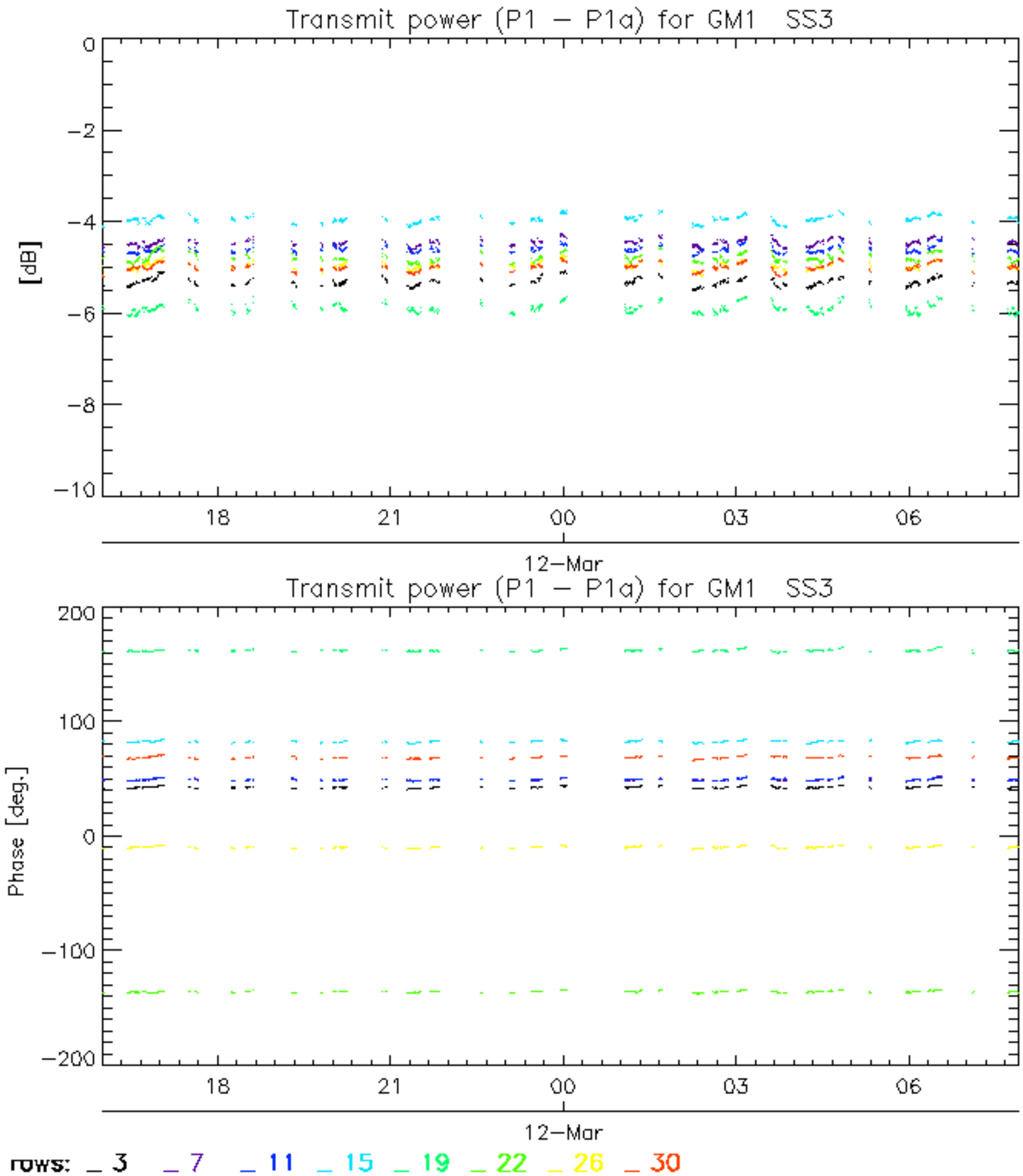
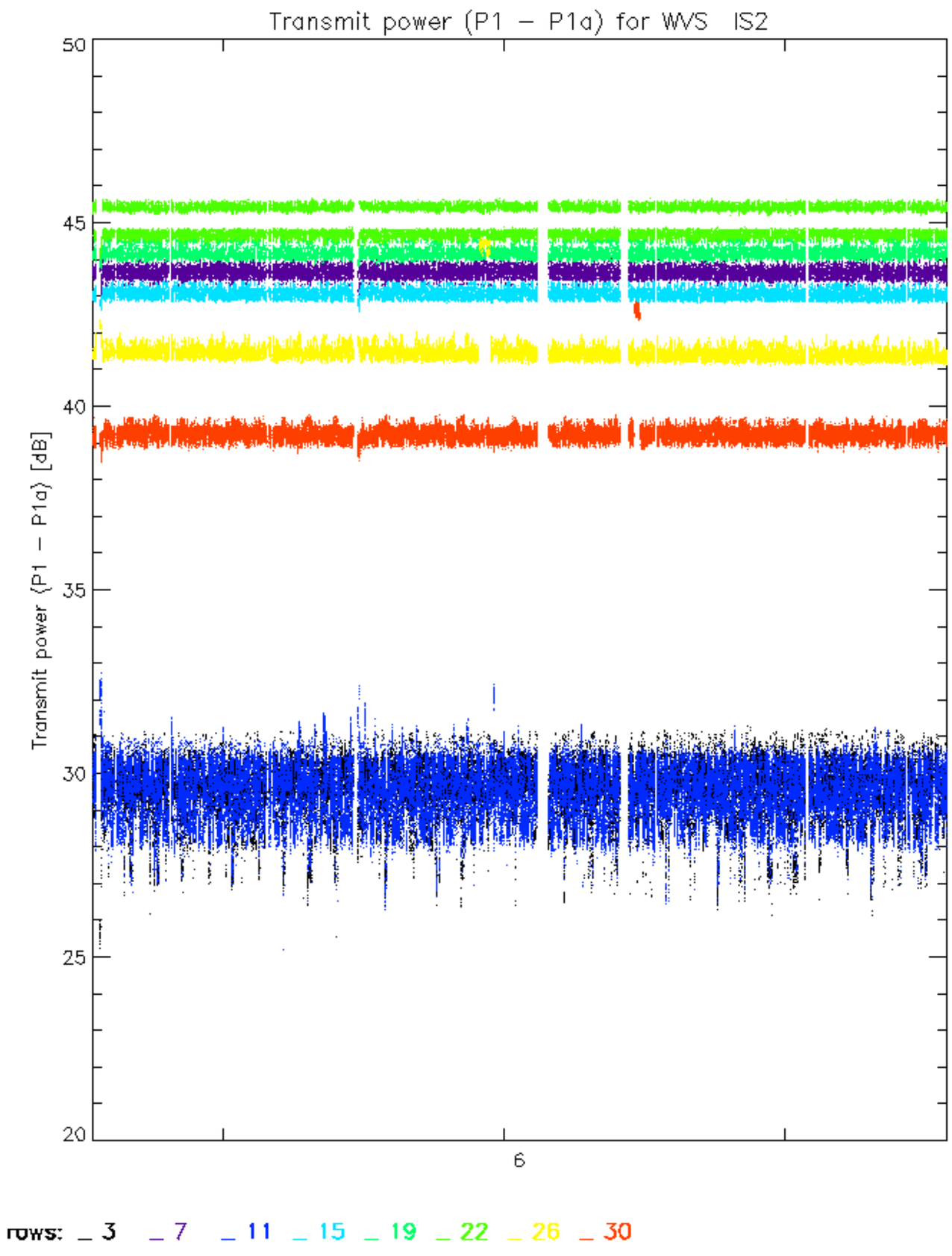
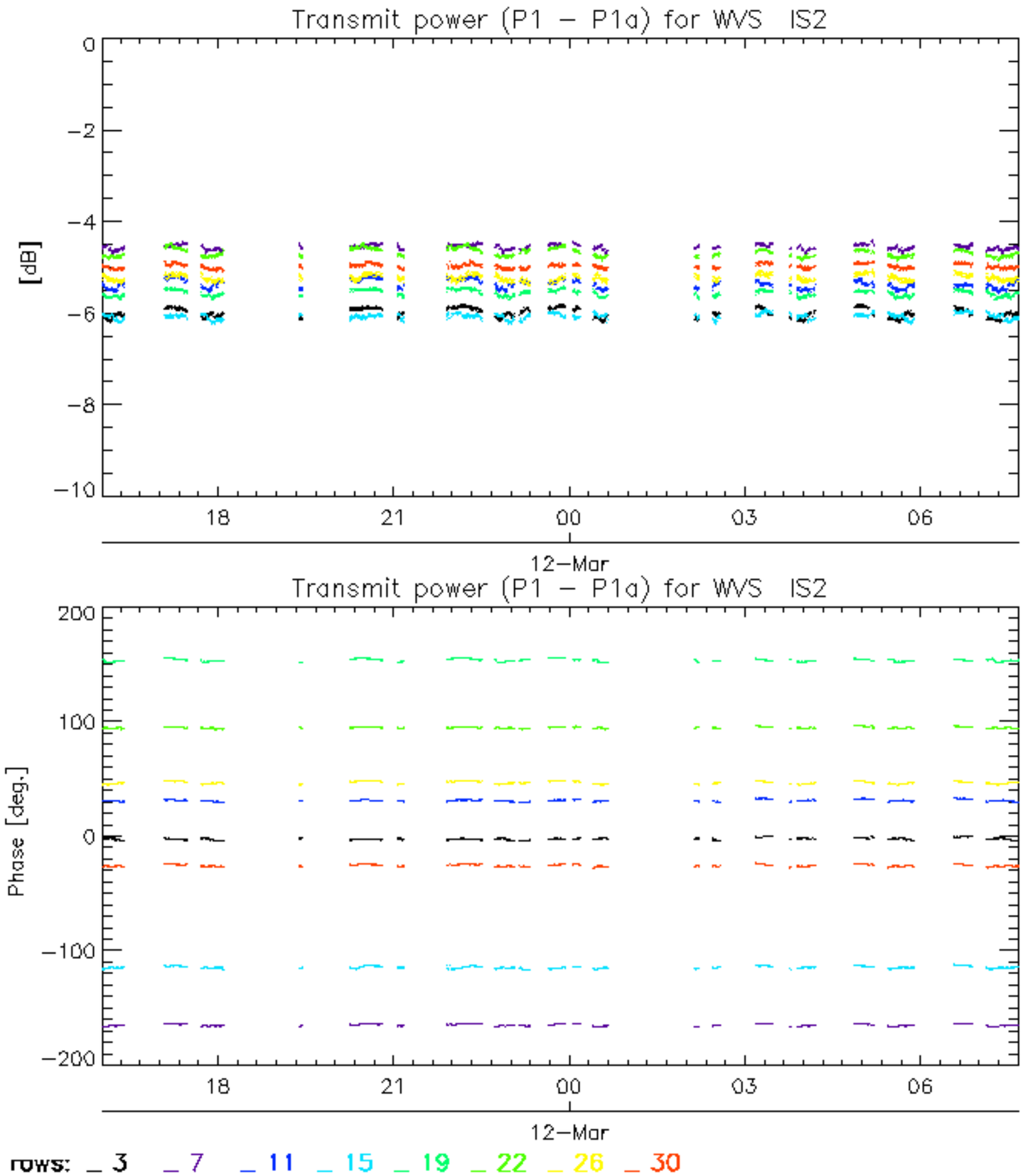

Reference: 2001-02-09 14:08:23 V
Test : 2006-03-11 20:48:57 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-03-11 20:48:57 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
6
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
12–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
12–Mar
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
6
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
12–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
12–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.