# PRELIMINARY REPORT OF 061118

### last update on Sat Nov 18 16:40:26 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 2006-11-17 00:00:00 to 2006-11-18 16:40:26**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000 | 50 | 84 | 8 | 2 | 17 |
| ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000 | 50 | 84 | 8 | 2 | 17 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 50 | 84 | 8 | 2 | 17 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 50 | 84 | 8 | 2 | 17 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000 | 40 | 56 | 32 | 16 | 66 |
| ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000 | 40 | 56 | 32 | 16 | 66 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 40 | 56 | 32 | 16 | 66 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 40 | 56 | 32 | 16 | 66 |

### 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 | 20061117 055512 |
| H | 20061118 084447 |

**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 | -3.955768 | 0.008928 | 0.000820 |
| 7 | P1 | -3.138851 | 0.022841 | -0.074085 |
| 11 | P1 | -4.128464 | 0.023953 | -0.038216 |
| 15 | P1 | -6.275589 | 0.014339 | -0.079791 |
| 19 | P1 | -3.611165 | 0.065439 | 0.000187 |
| 22 | P1 | -4.666053 | 0.131830 | 0.037977 |
| 26 | P1 | -3.974643 | 0.088915 | 0.085932 |
| 30 | P1 | -5.884041 | 0.170661 | 0.050150 |
| 3 | P1 | -16.506344 | 0.232671 | 0.067422 |
| 7 | P1 | -17.240303 | 0.205865 | -0.231316 |
| 11 | P1 | -17.138359 | 0.441660 | -0.190948 |
| 15 | P1 | -13.032495 | 0.127319 | -0.172413 |
| 19 | P1 | -14.891335 | 0.378696 | -0.104773 |
| 22 | P1 | -15.844736 | 0.507438 | -0.245571 |
| 26 | P1 | -15.068358 | 0.210785 | 0.109539 |
| 30 | P1 | -17.361254 | 0.597651 | -0.528463 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -20.846758 | 0.088839 | -0.003119 |
| 7 | P2 | -21.732603 | 0.092821 | 0.018042 |
| 11 | P2 | -15.665265 | 0.103160 | 0.061157 |
| 15 | P2 | -7.114311 | 0.106023 | -0.036968 |
| 19 | P2 | -9.180823 | 0.102316 | -0.057964 |
| 22 | P2 | -18.216858 | 0.094982 | -0.074649 |
| 26 | P2 | -16.523731 | 0.108741 | -0.122128 |
| 30 | P2 | -19.472702 | 0.088353 | -0.003434 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 7 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 11 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 15 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 19 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 22 | P3 | -8.229894 | 0.008166 | -0.036365 |
| 26 | P3 | -8.229840 | 0.008176 | -0.036389 |
| 30 | P3 | -8.229840 | 0.008176 | -0.036389 |

#### 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 | -3.904565 | 0.054522 | -0.024087 |
| 7 | P1 | -2.525732 | 0.324826 | 0.018978 |
| 11 | P1 | -2.869931 | 0.049626 | 0.031070 |
| 15 | P1 | -3.680412 | 0.057627 | -0.005651 |
| 19 | P1 | -3.532262 | 0.110764 | 0.010662 |
| 22 | P1 | -5.068190 | 0.086413 | 0.082039 |
| 26 | P1 | -6.007505 | 0.183955 | -0.010687 |
| 30 | P1 | -5.313919 | 0.109752 | -0.026955 |
| 3 | P1 | -11.708652 | 0.131632 | -0.034611 |
| 7 | P1 | -10.051699 | 0.413600 | -0.058777 |
| 11 | P1 | -10.346280 | 0.139010 | 0.041837 |
| 15 | P1 | -10.785941 | 0.219331 | 0.104901 |
| 19 | P1 | -15.771188 | 2.098282 | 0.183904 |
| 22 | P1 | -21.277676 | 1.520352 | -0.477509 |
| 26 | P1 | -16.003834 | 0.396479 | -0.151796 |
| 30 | P1 | -17.948891 | 0.417430 | 0.151568 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -16.439278 | 0.111994 | -0.081284 |
| 7 | P2 | -22.188025 | 0.429745 | -0.101291 |
| 11 | P2 | -10.922128 | 0.101079 | -0.064855 |
| 15 | P2 | -4.940799 | 0.093302 | -0.093739 |
| 19 | P2 | -6.923872 | 0.158535 | -0.110476 |
| 22 | P2 | -8.244184 | 0.175389 | -0.074121 |
| 26 | P2 | -24.289244 | 0.301028 | -0.111550 |
| 30 | P2 | -21.942413 | 0.173740 | -0.038490 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.076367 | 0.003232 | -0.030817 |
| 7 | P3 | -8.076316 | 0.003208 | -0.031027 |
| 11 | P3 | -8.076346 | 0.003213 | -0.031503 |
| 15 | P3 | -8.076288 | 0.003211 | -0.031049 |
| 19 | P3 | -8.076402 | 0.003219 | -0.031219 |
| 22 | P3 | -8.076295 | 0.003223 | -0.031275 |
| 26 | P3 | -8.076210 | 0.003210 | -0.030663 |
| 30 | P3 | -8.076256 | 0.003218 | -0.030946 |

### 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 | 0.000544467 |
| | stdev | 1.77947e-07 |
| MEAN Q | mean | 0.000519256 |
| | stdev | 2.20305e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.136111 |
| | stdev | 0.00111177 |
| STDEV Q | mean | 0.136468 |
| | stdev | 0.00112854 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2006111[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 |
|---|---|---|

# 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

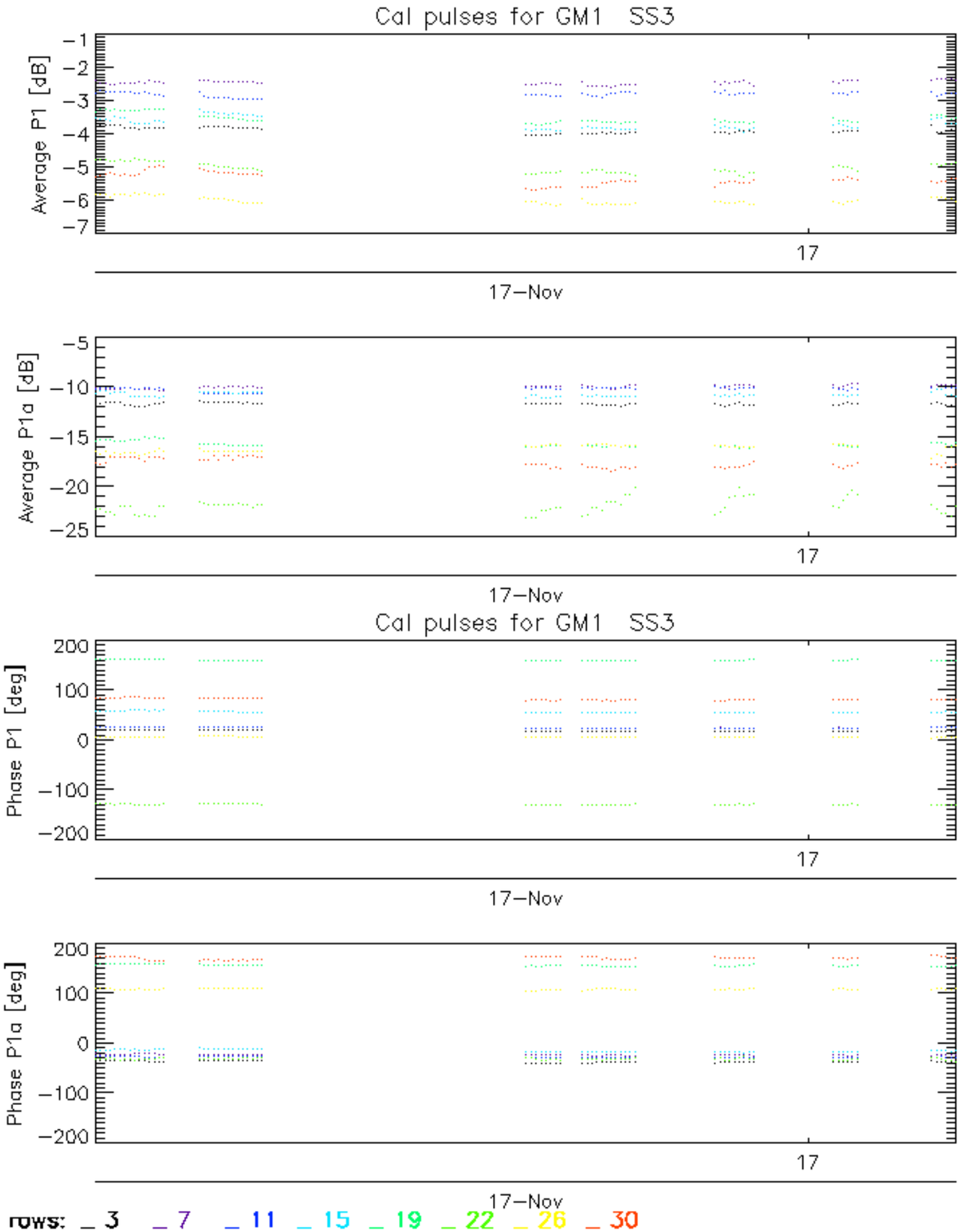
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

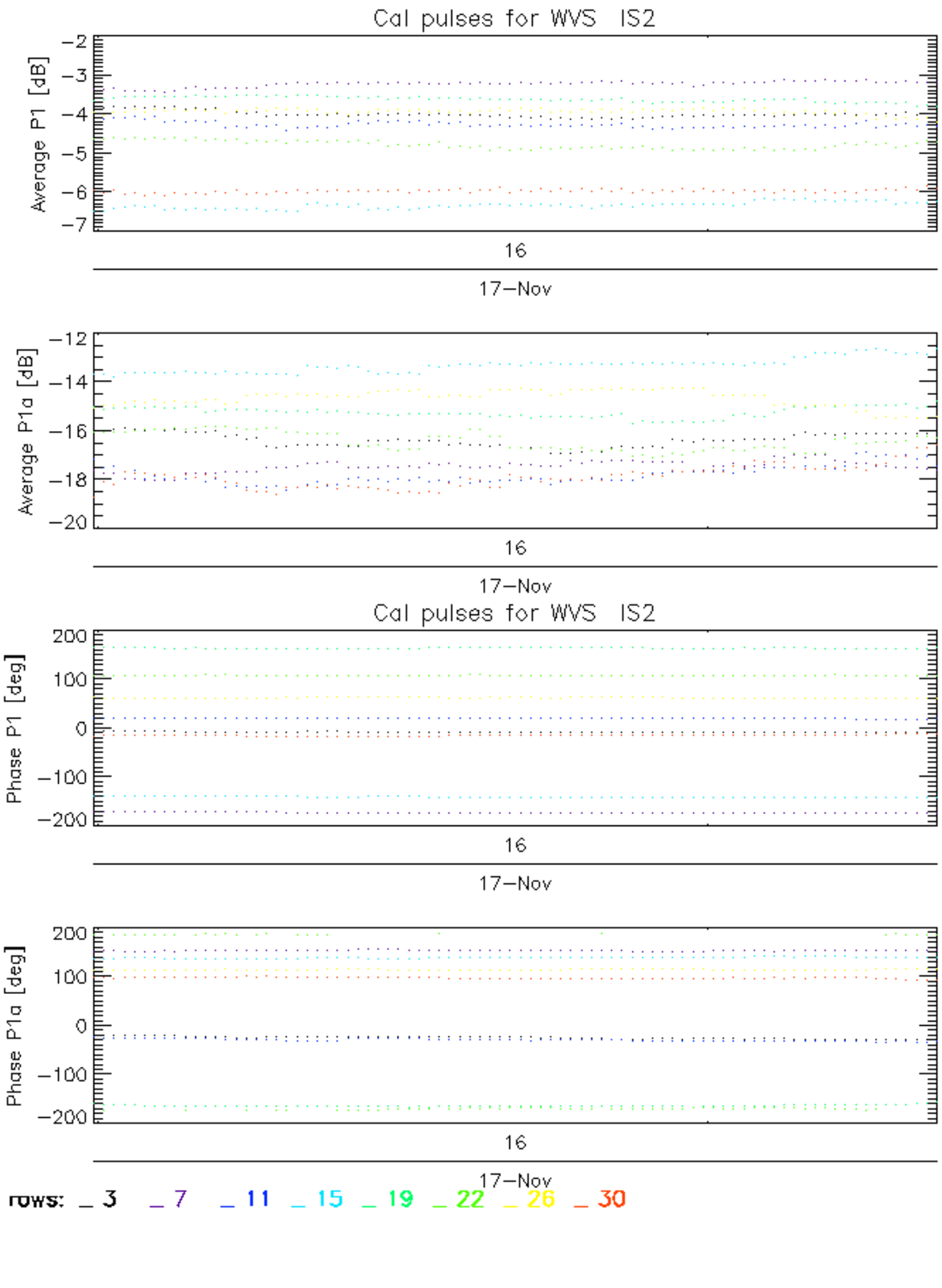
## 7.5 - Absolute Doppler for GM1

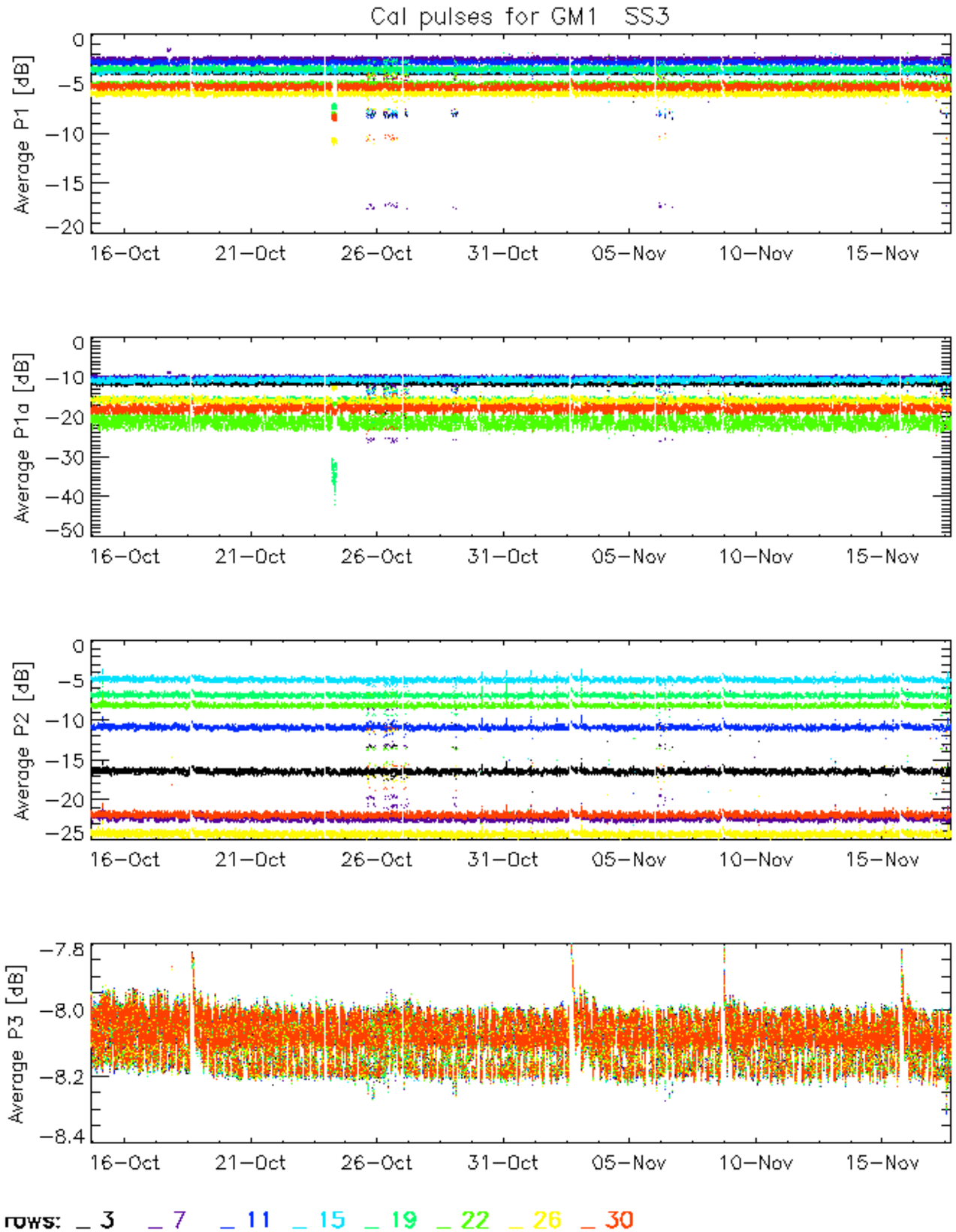
| Evolution of Absolute Doppler |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

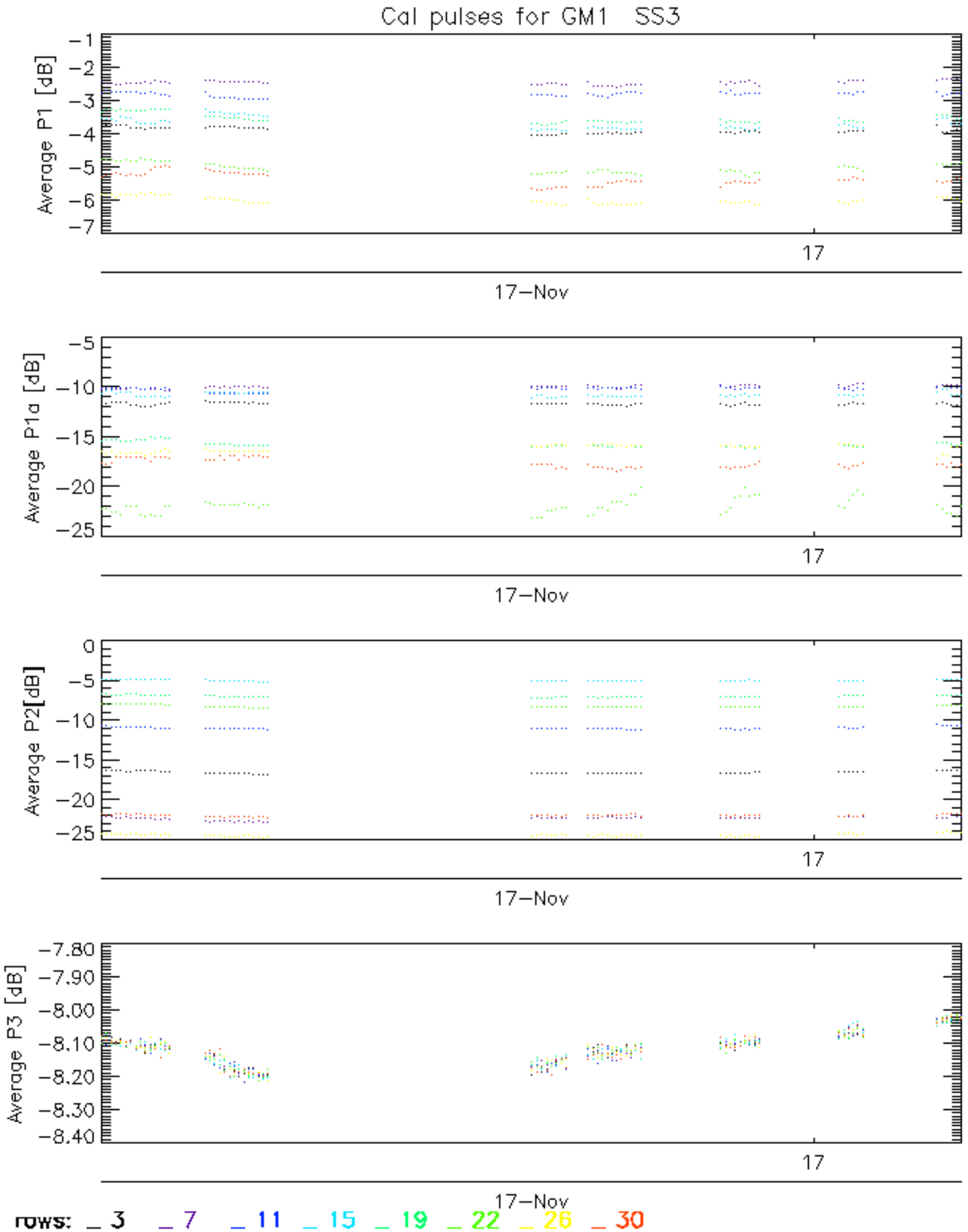
## 7.6 - Doppler evolution versus ANX for GM1

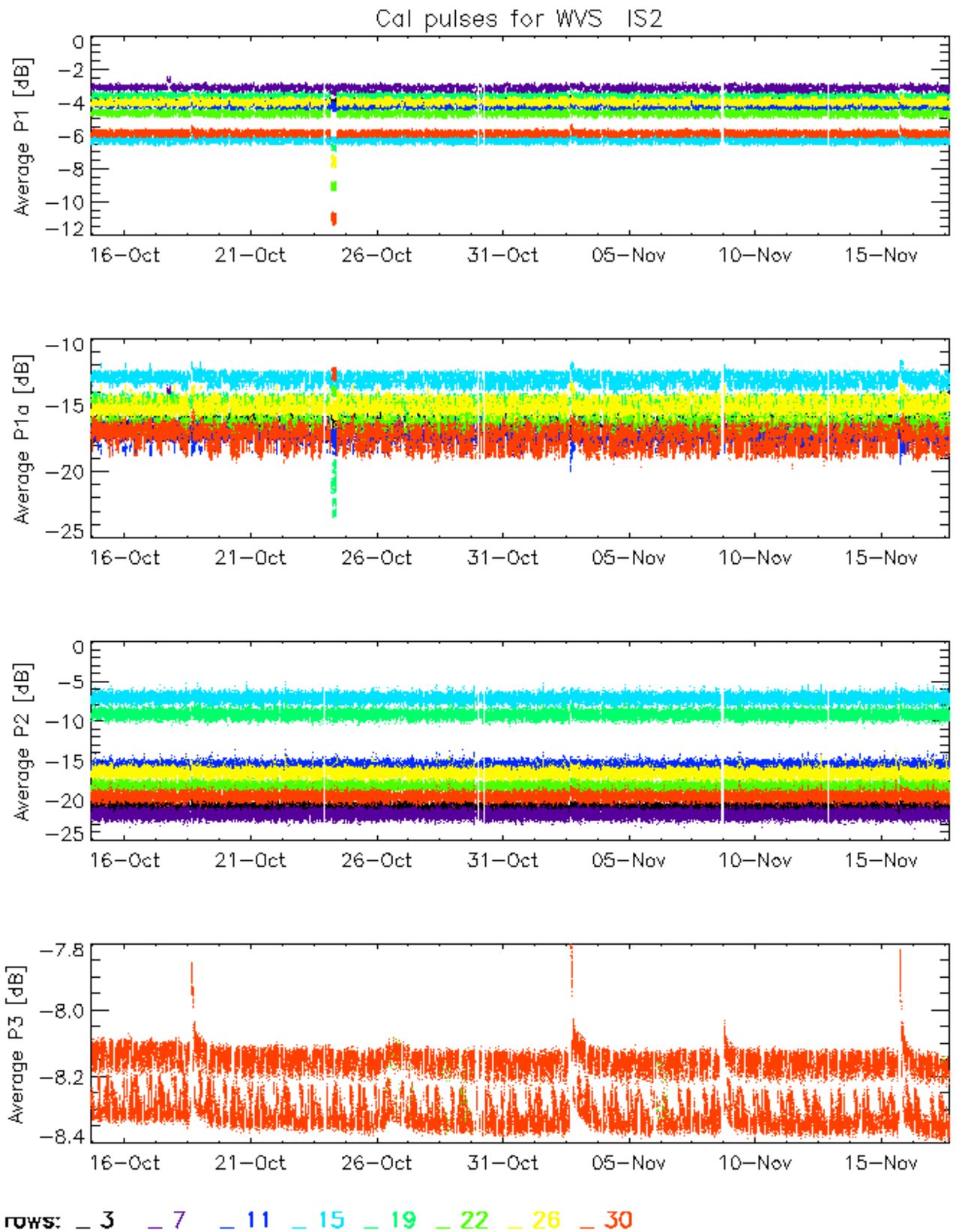
| Evolution Doppler error versus ANX |
| --- |
| ☒ |

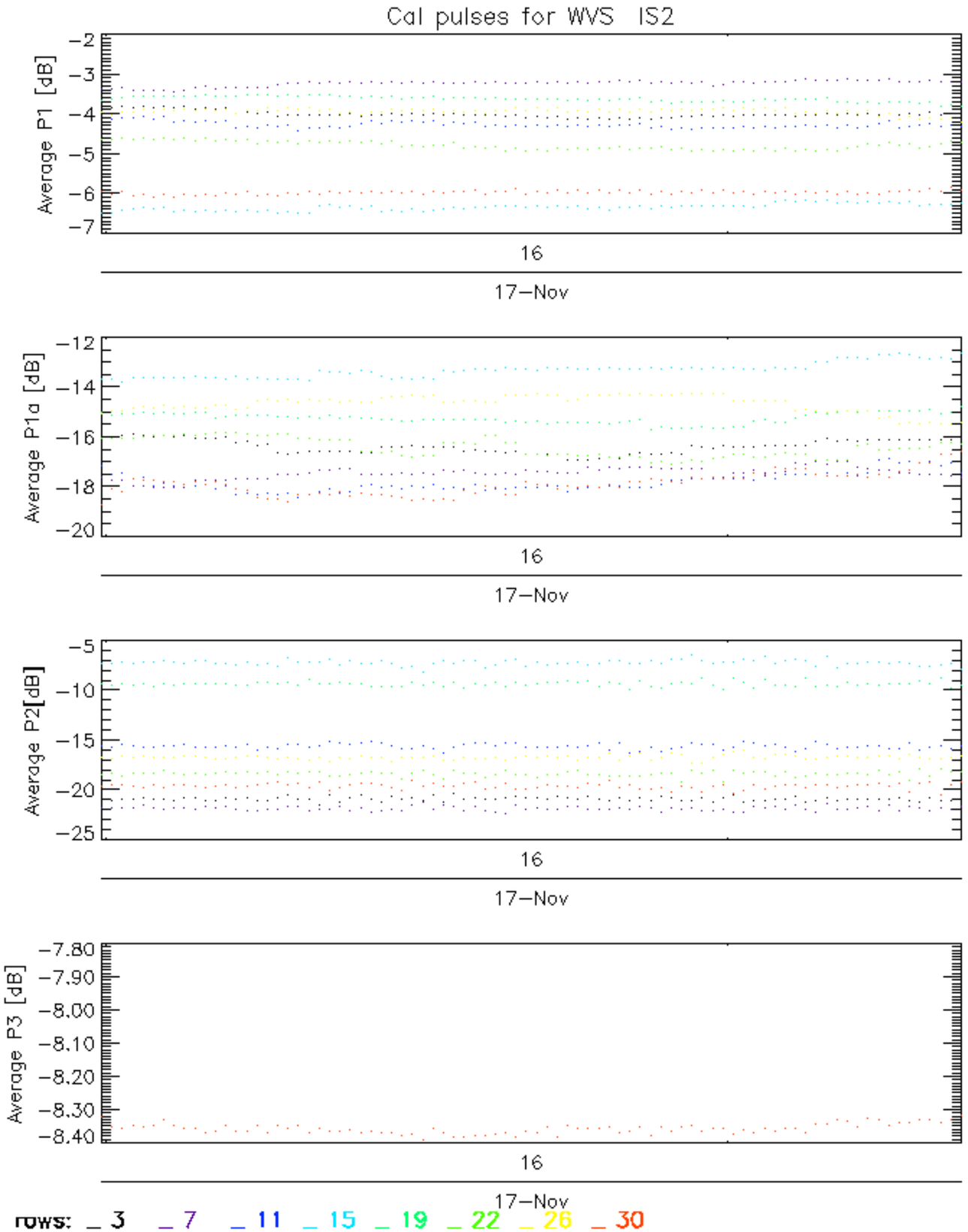

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
17
17−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
17
17−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
17
17−Nov
Phase P1a [deg]
200
100
0
−100
−200
17
17−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

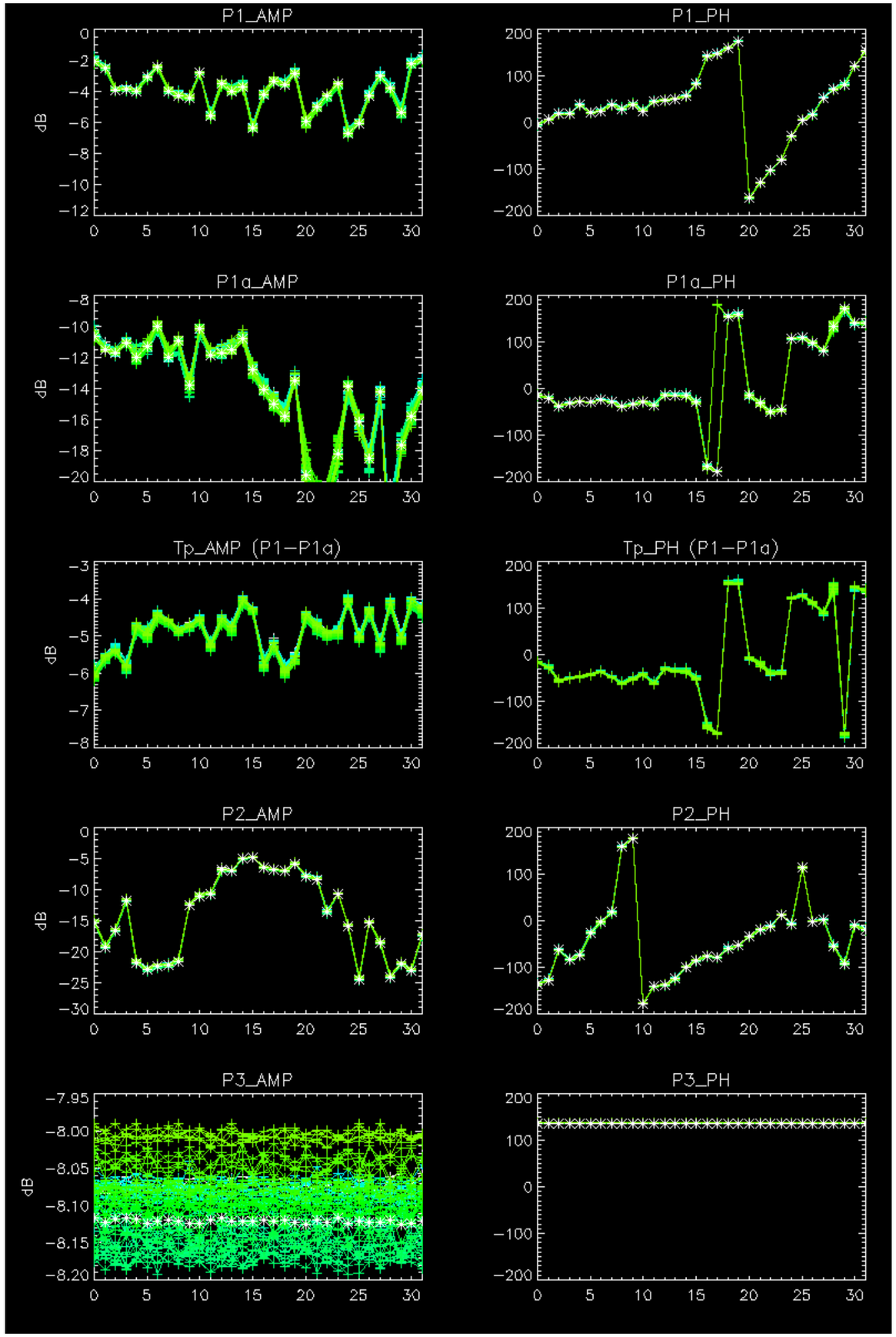

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

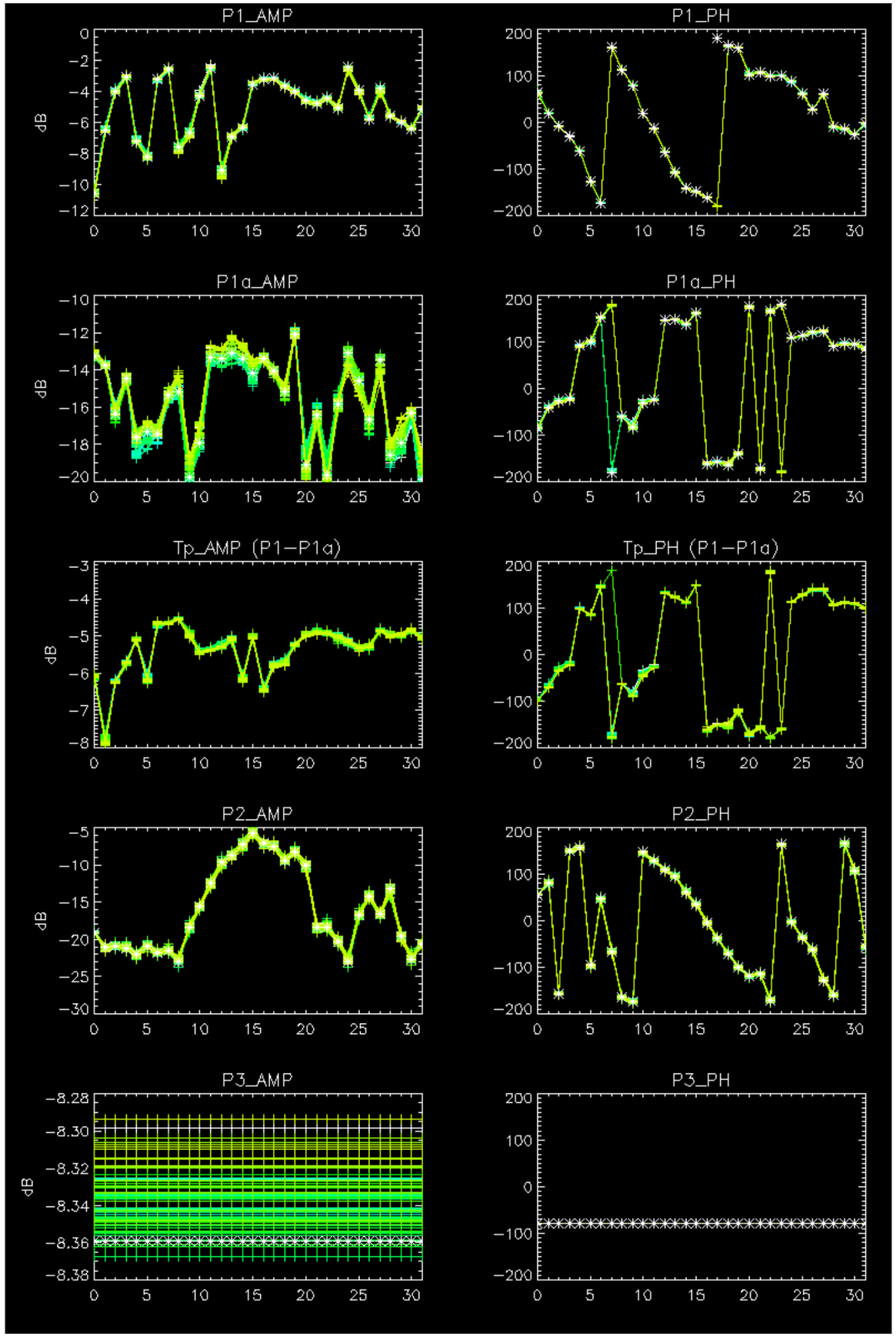

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
17
17−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
17
17−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
17
17−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
17
17−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

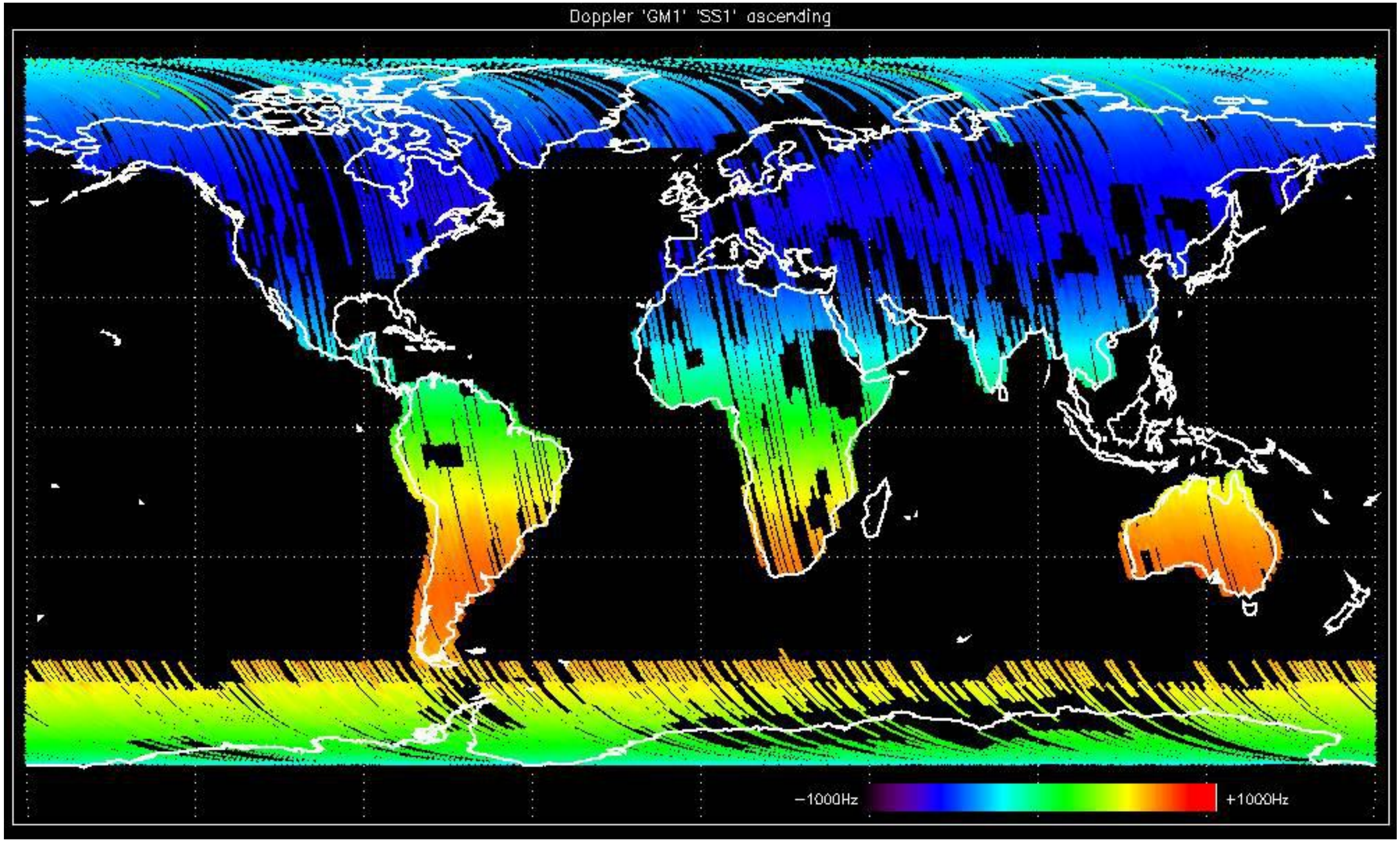
No anomalies observed.

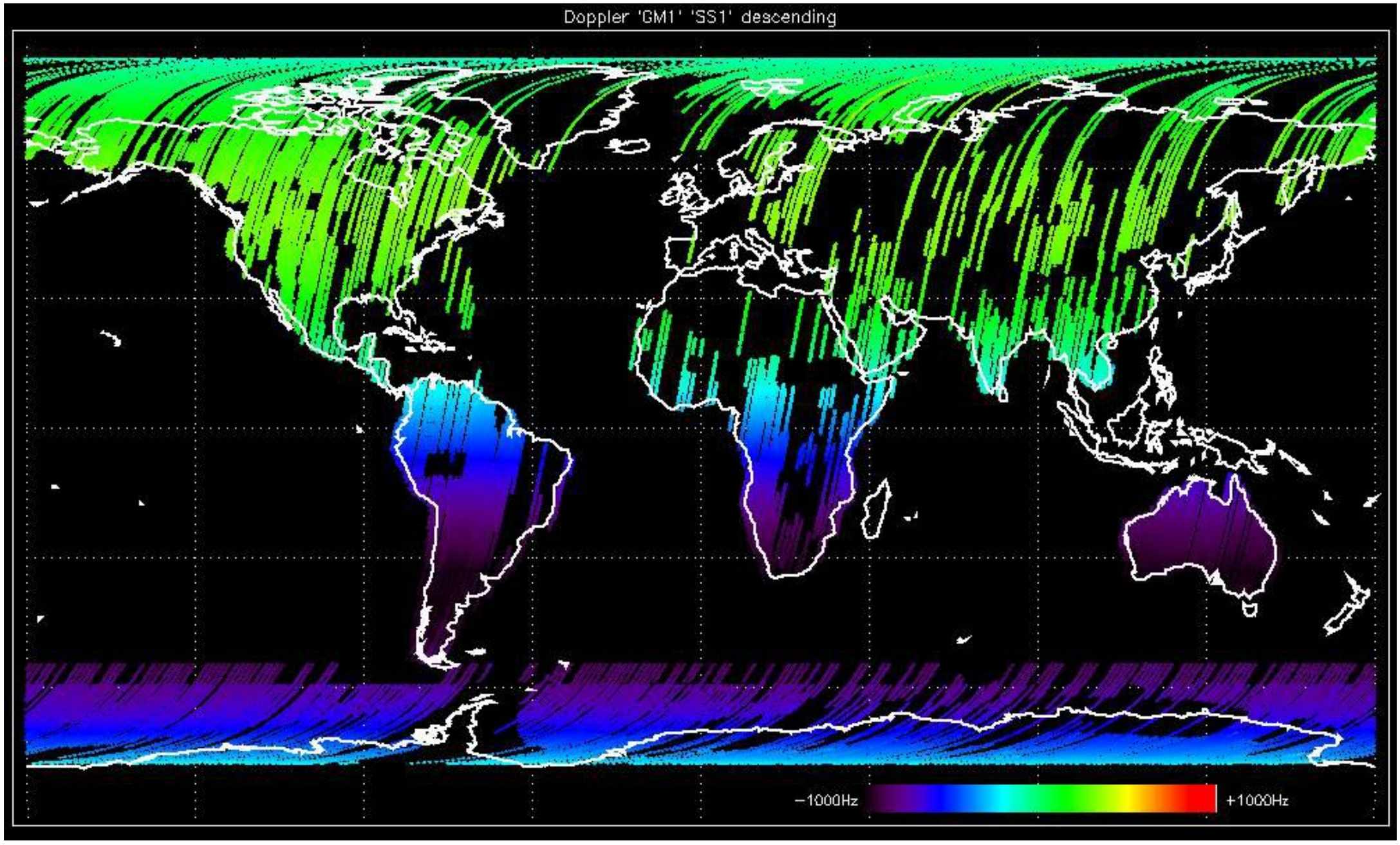

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

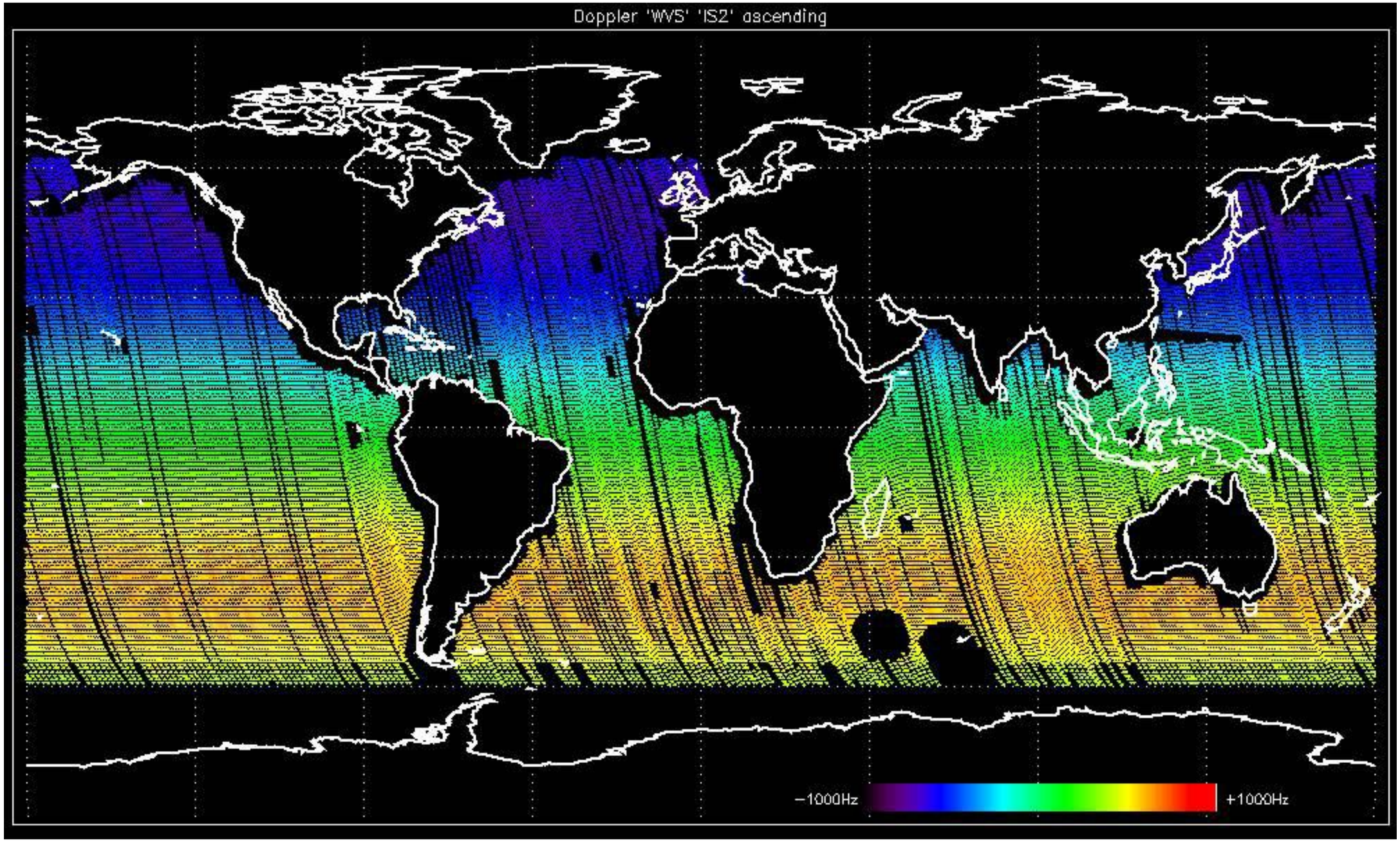

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

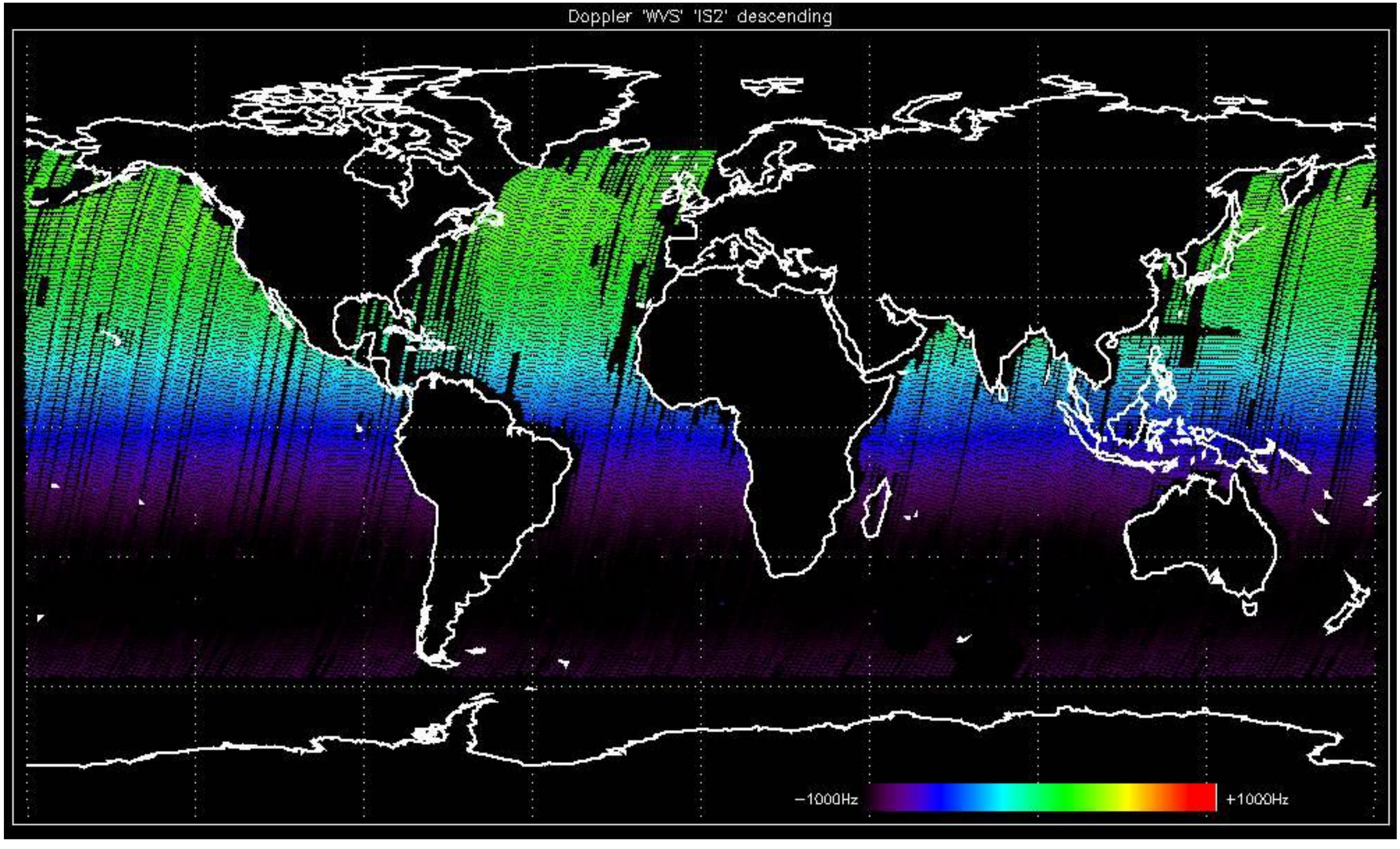
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

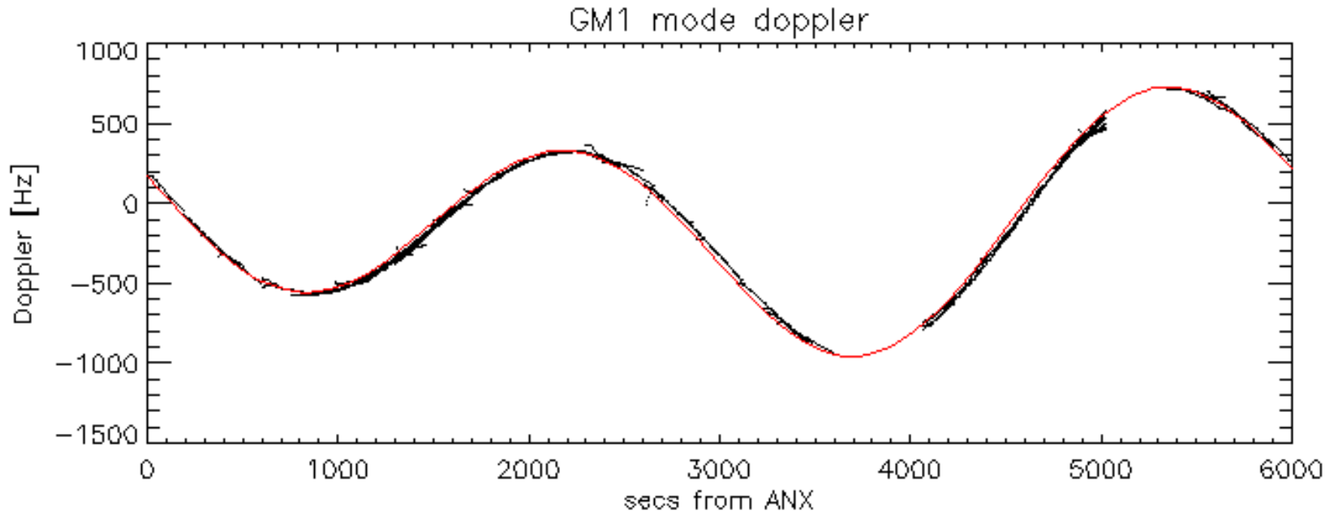
Preliminary report.The data is not yet controled

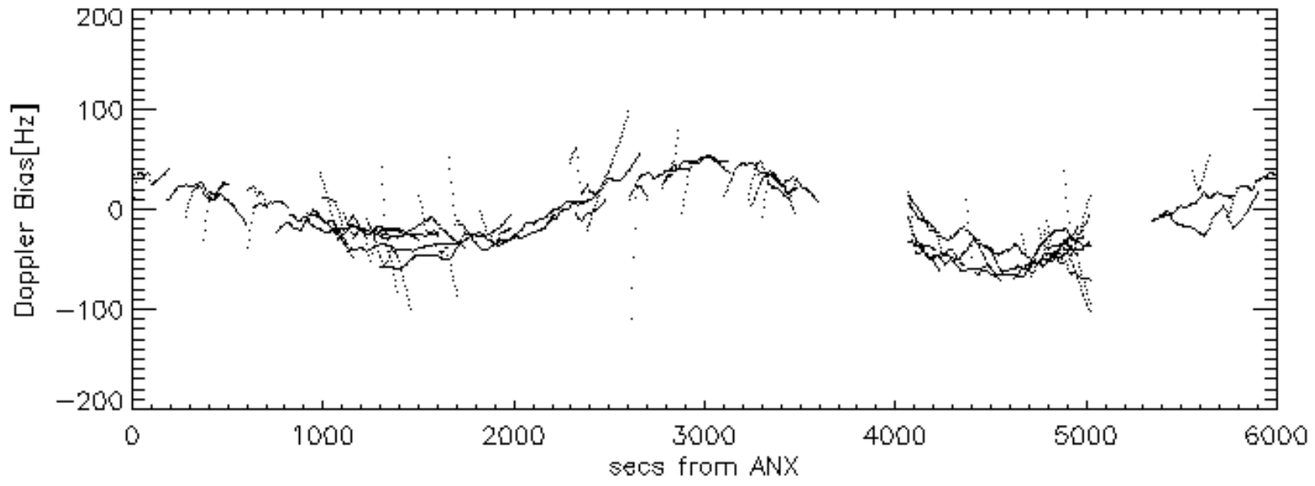

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

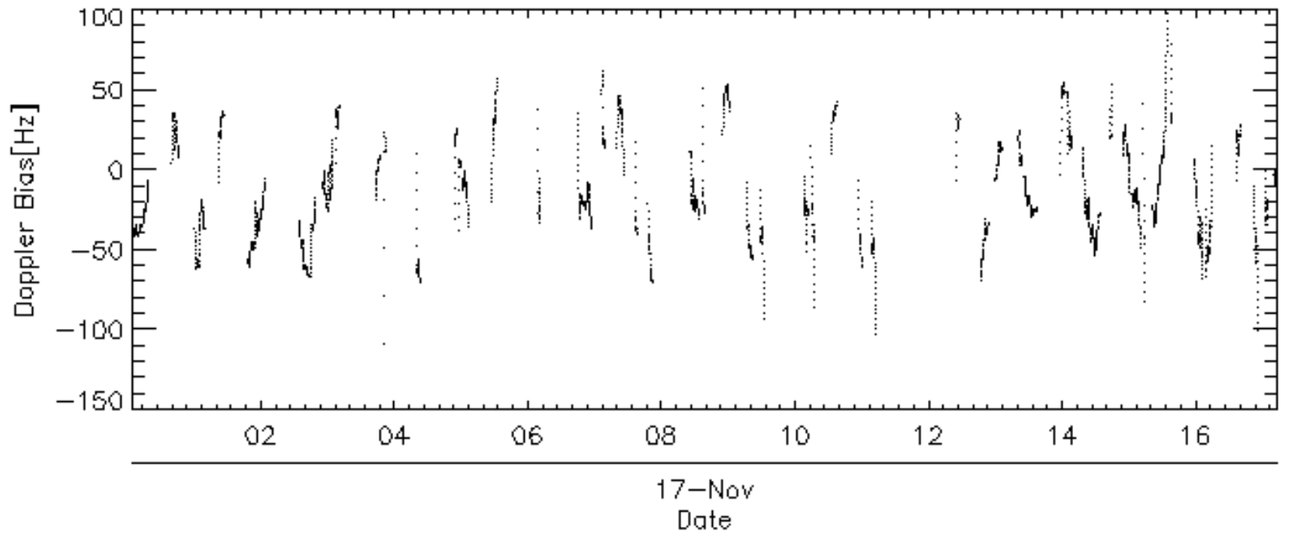

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

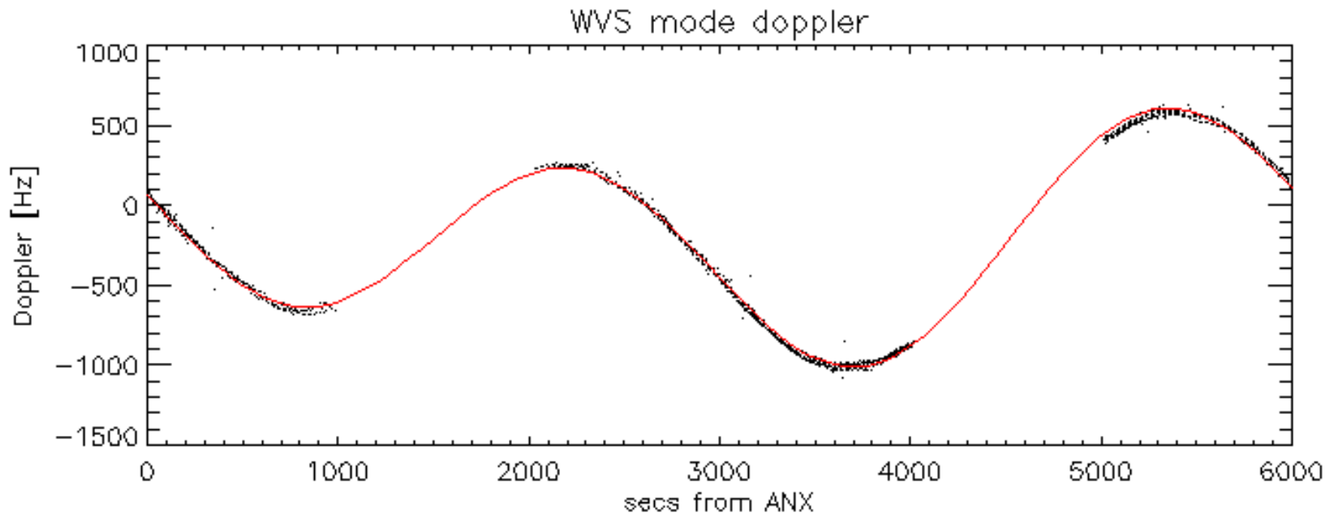

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

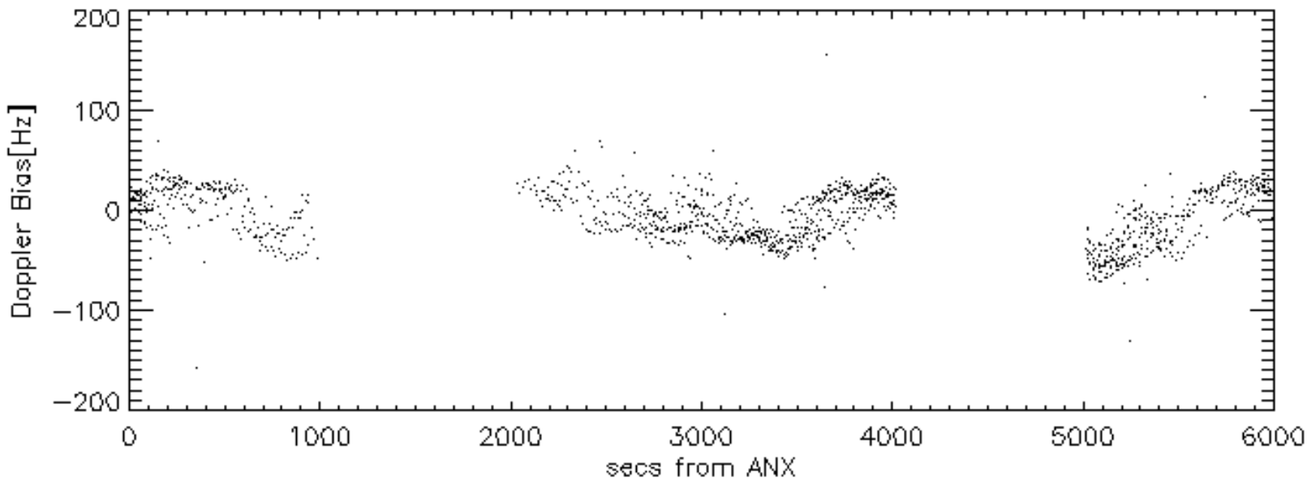

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

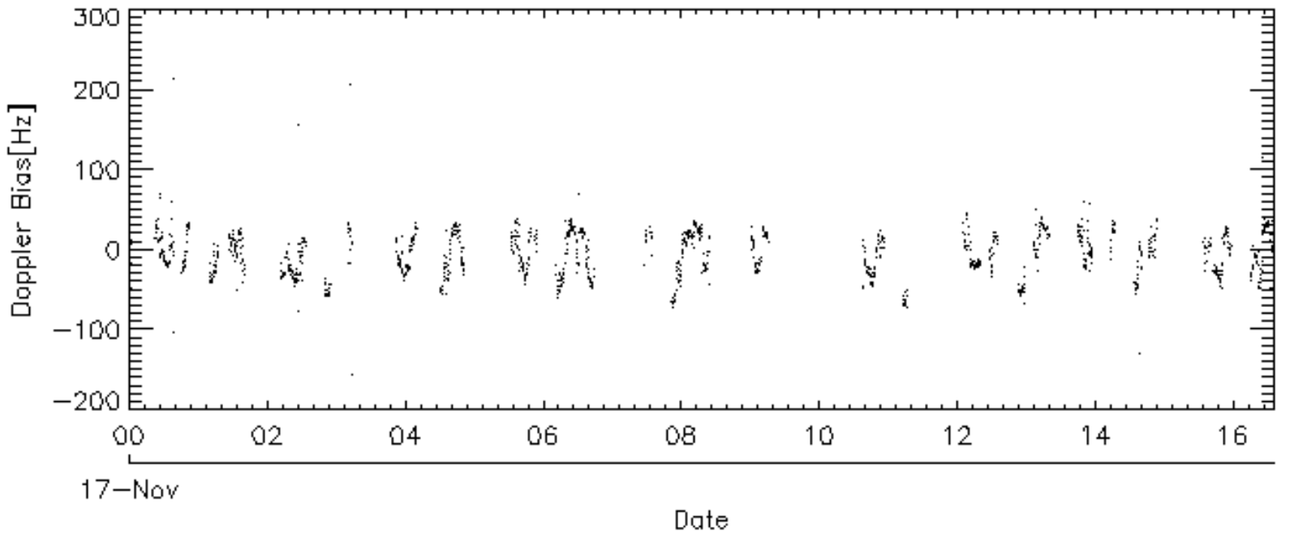

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

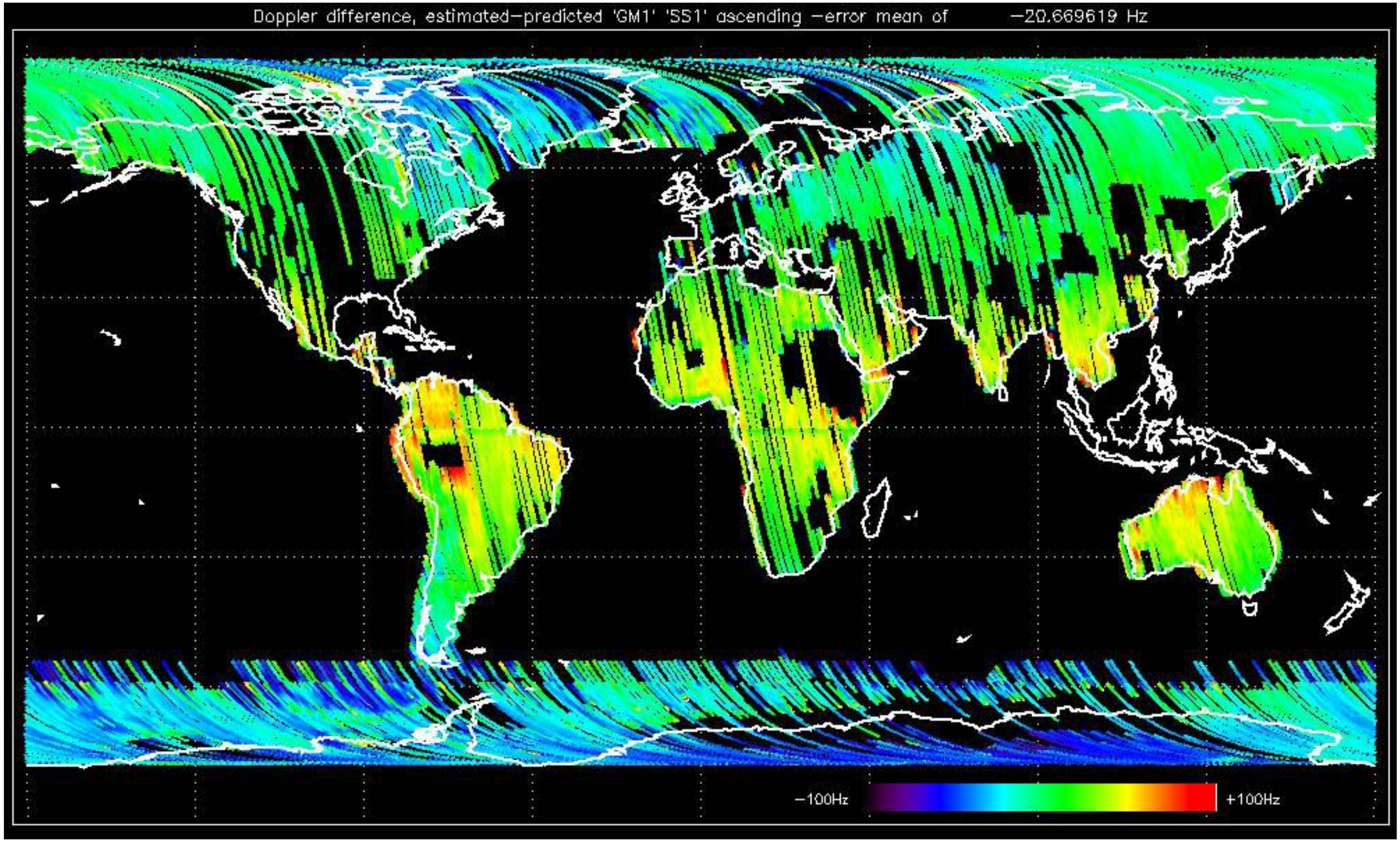

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

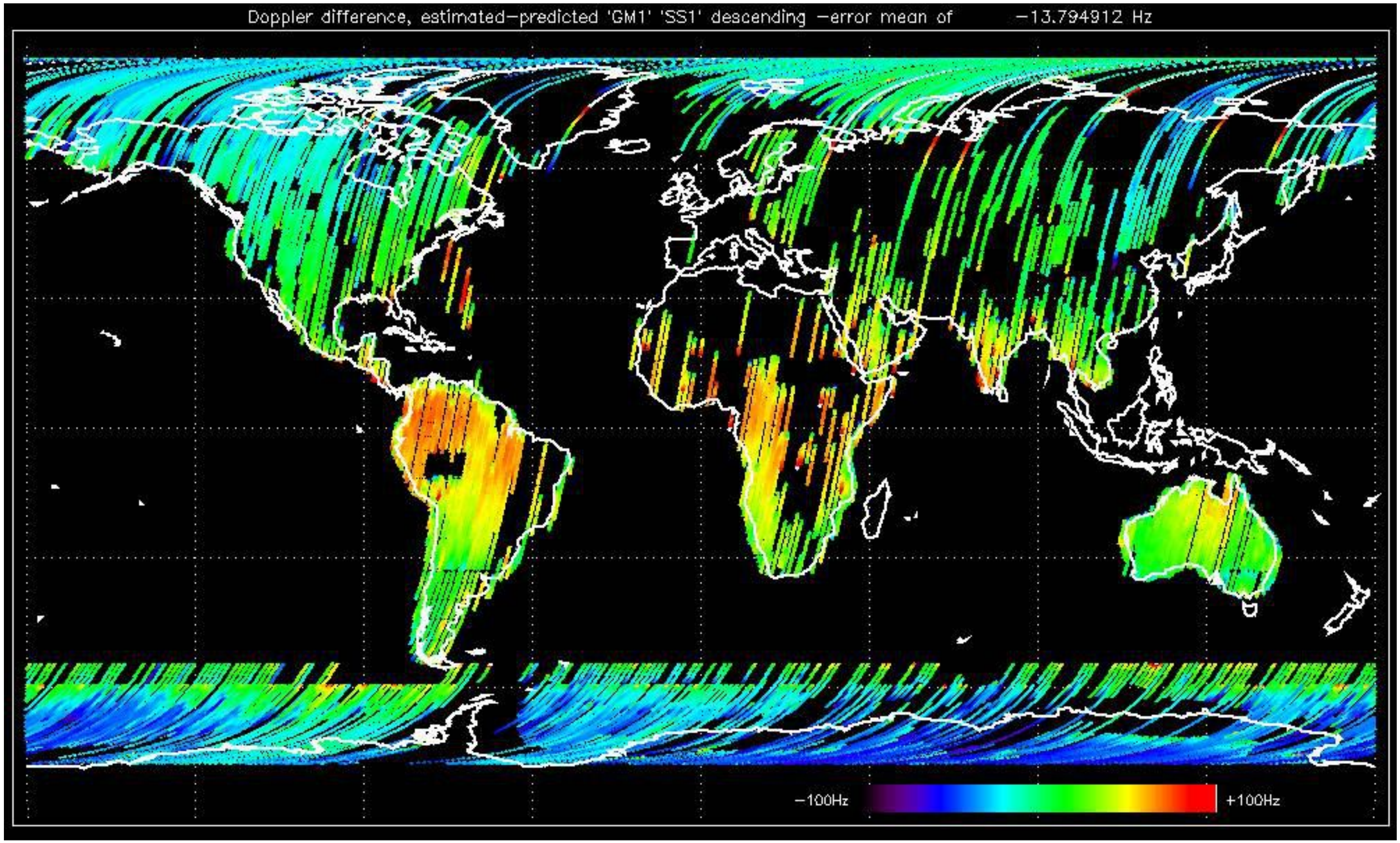

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
17−Nov
Date

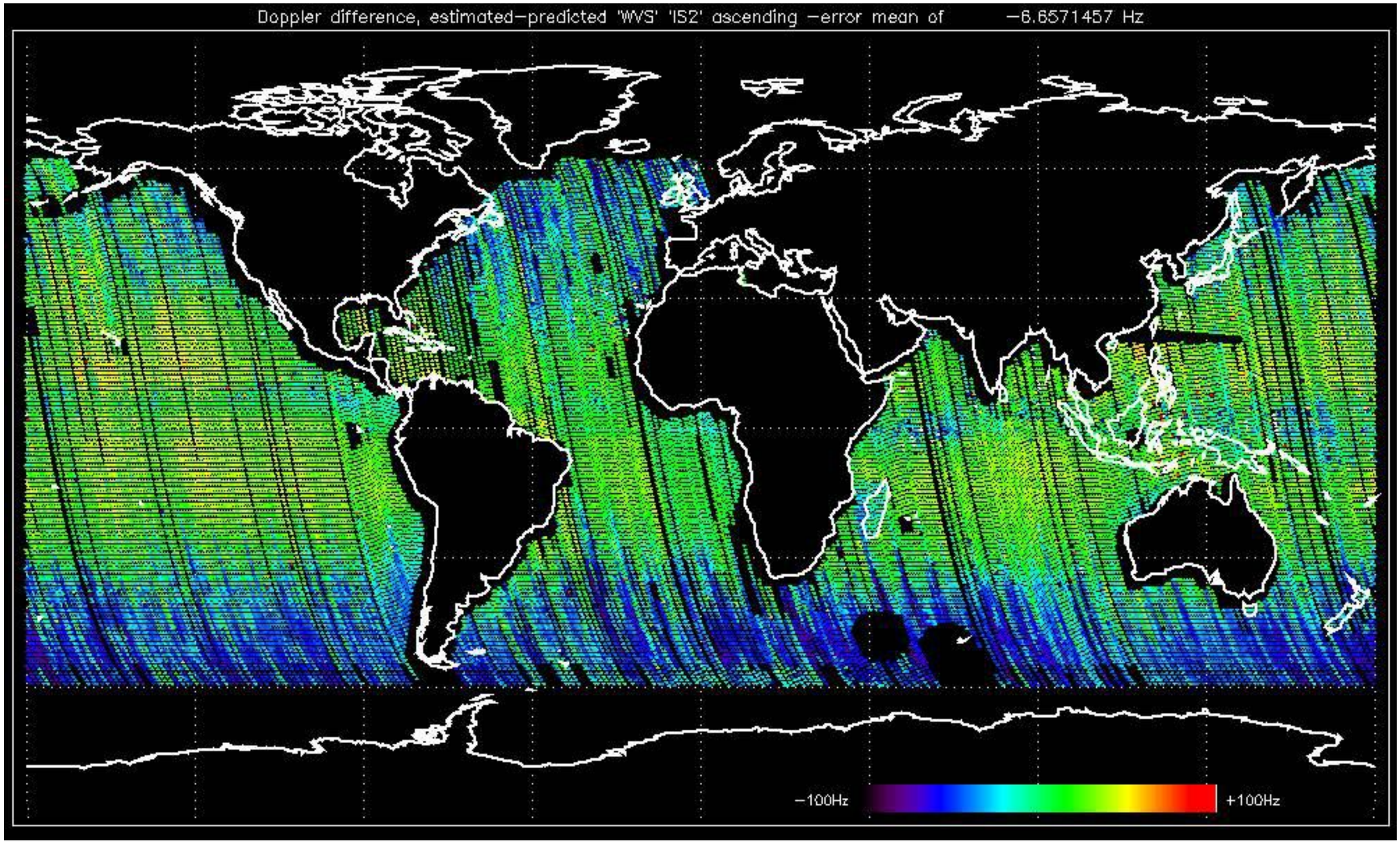

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

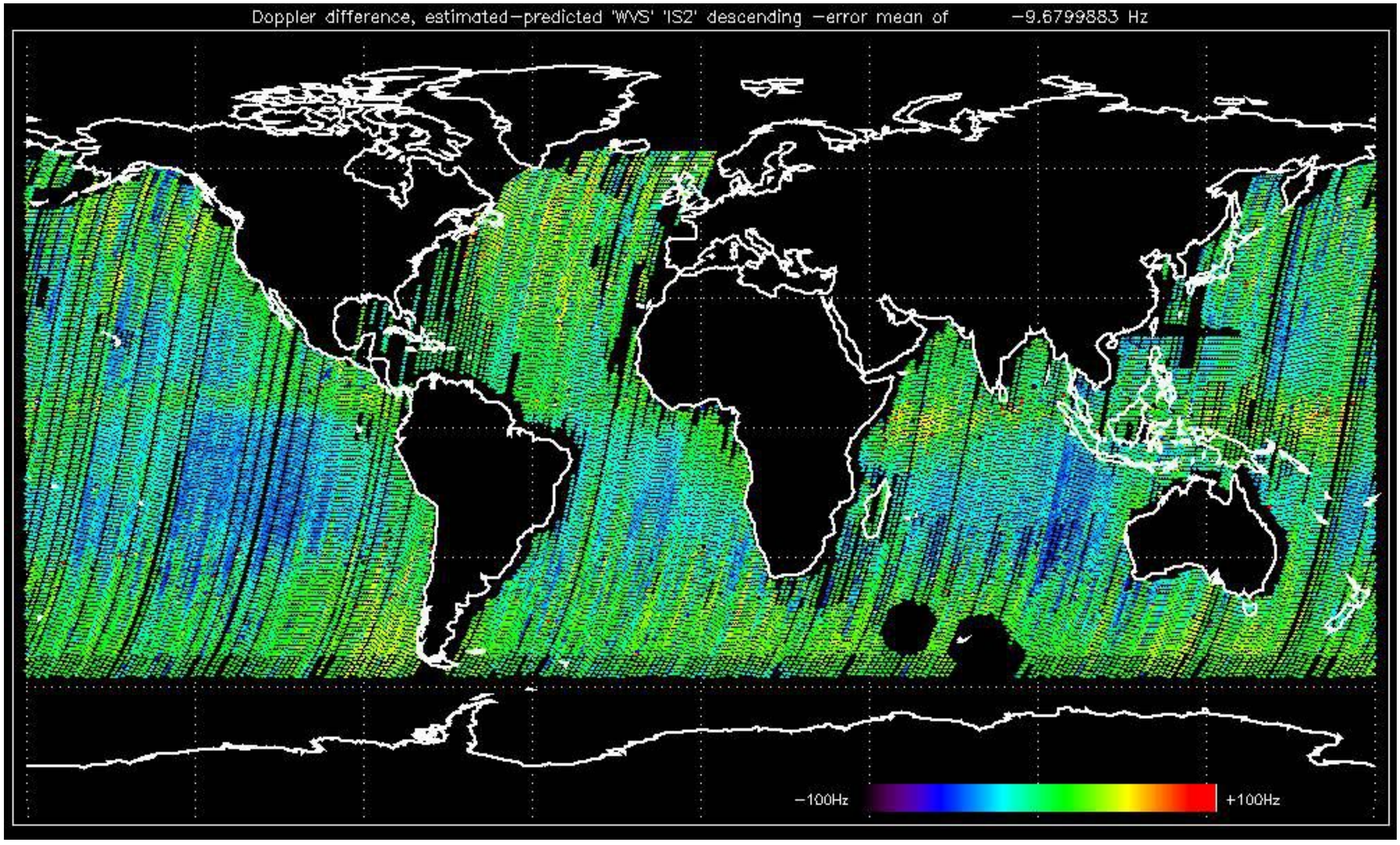

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
00
02
04
06
08
10
12
14
16
17−Nov
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.669619 Hz
−100Hz
+100Hz

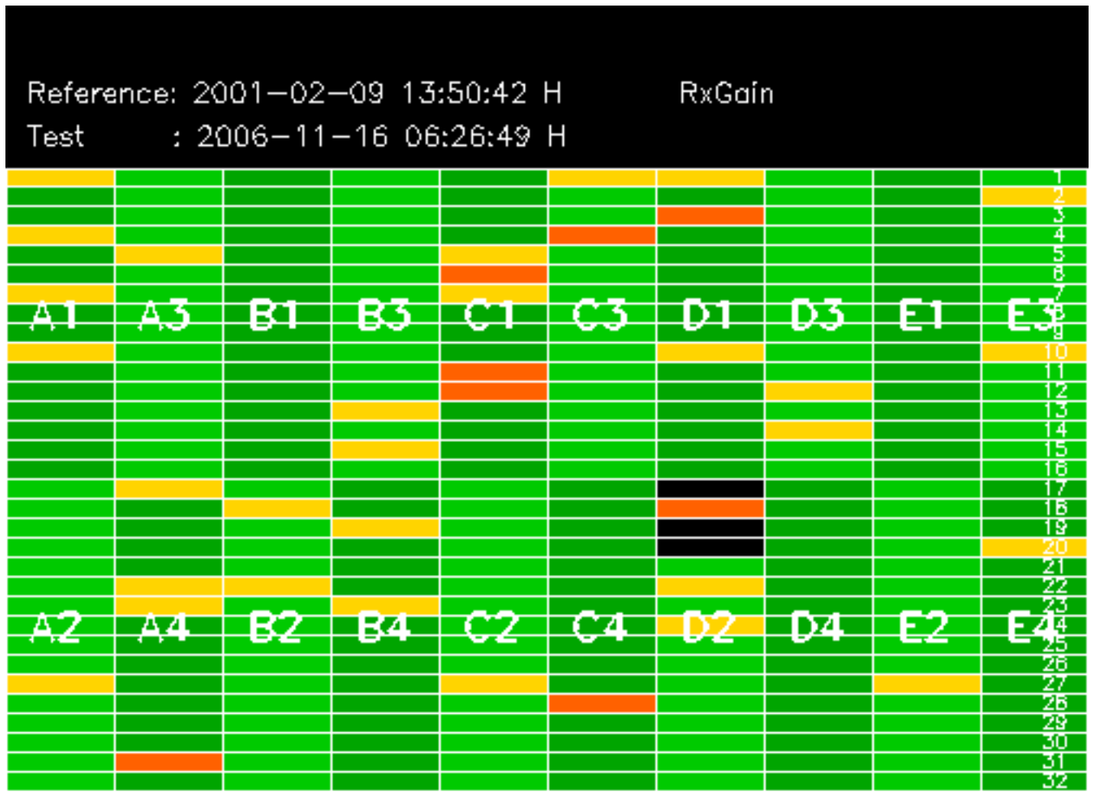

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.794912 Hz
−100Hz
+100Hz

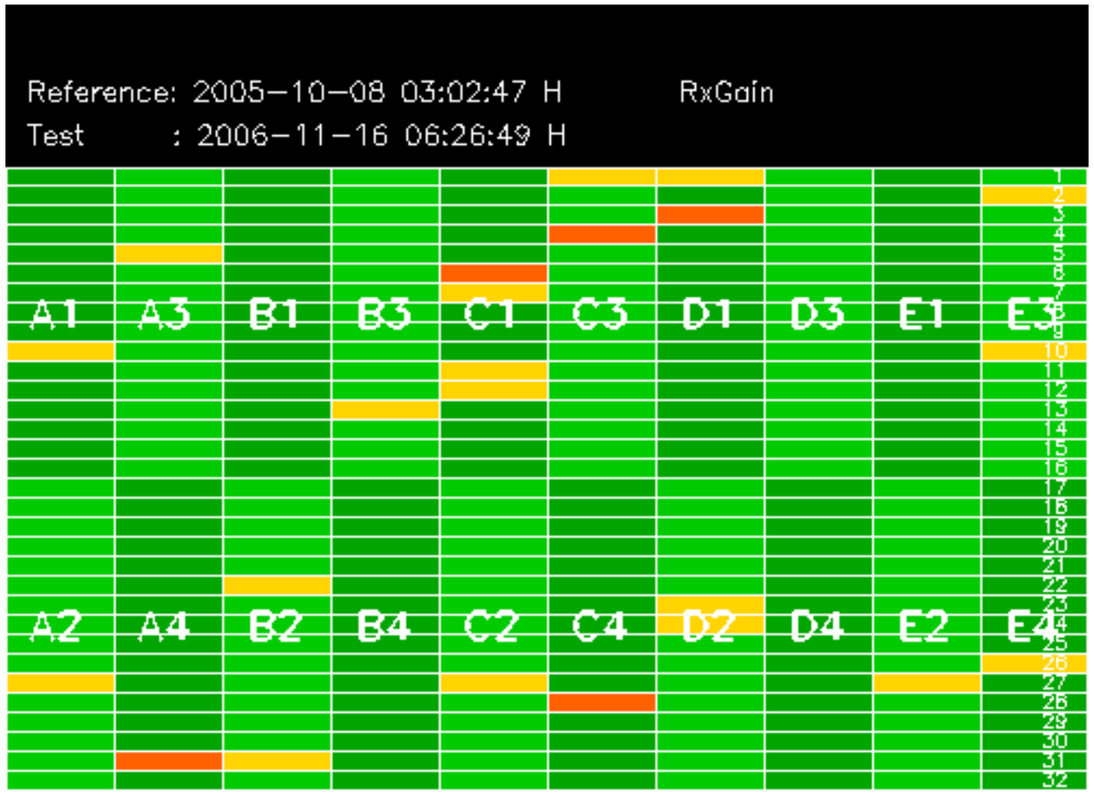

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.6571457 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.6799883 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-16 06:26:49 H
RxGain
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
Test : 2006-11-16 06:26:49 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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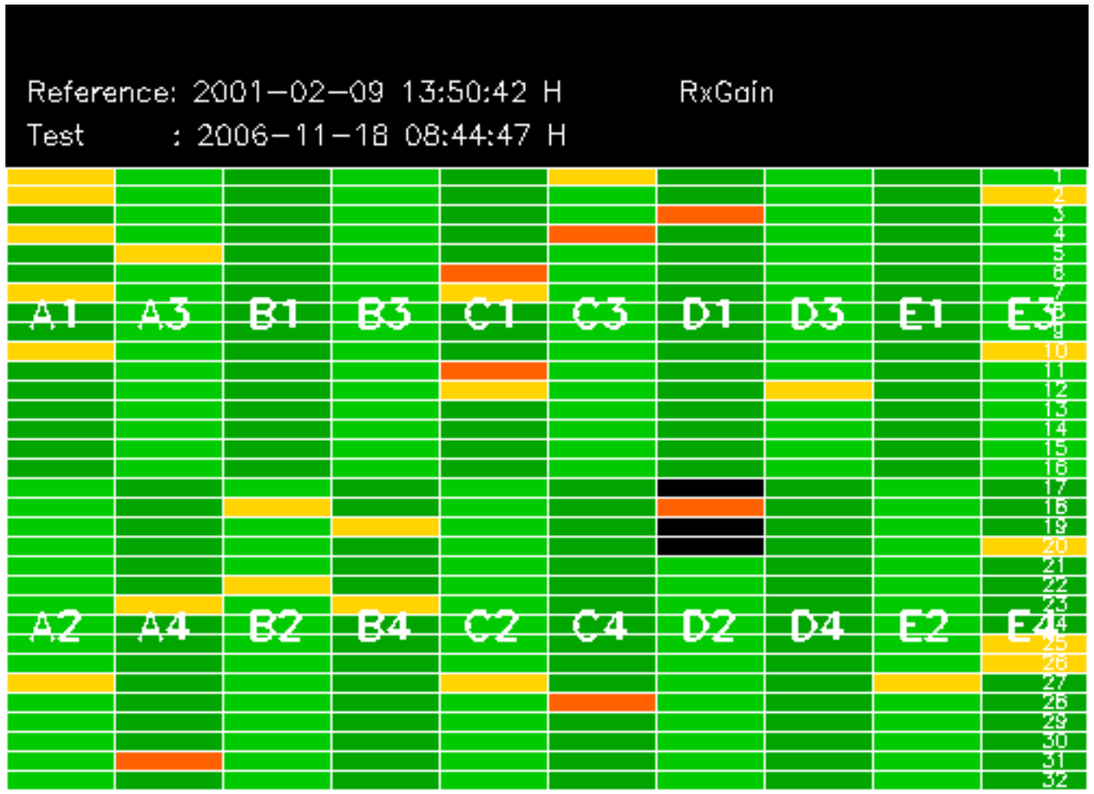
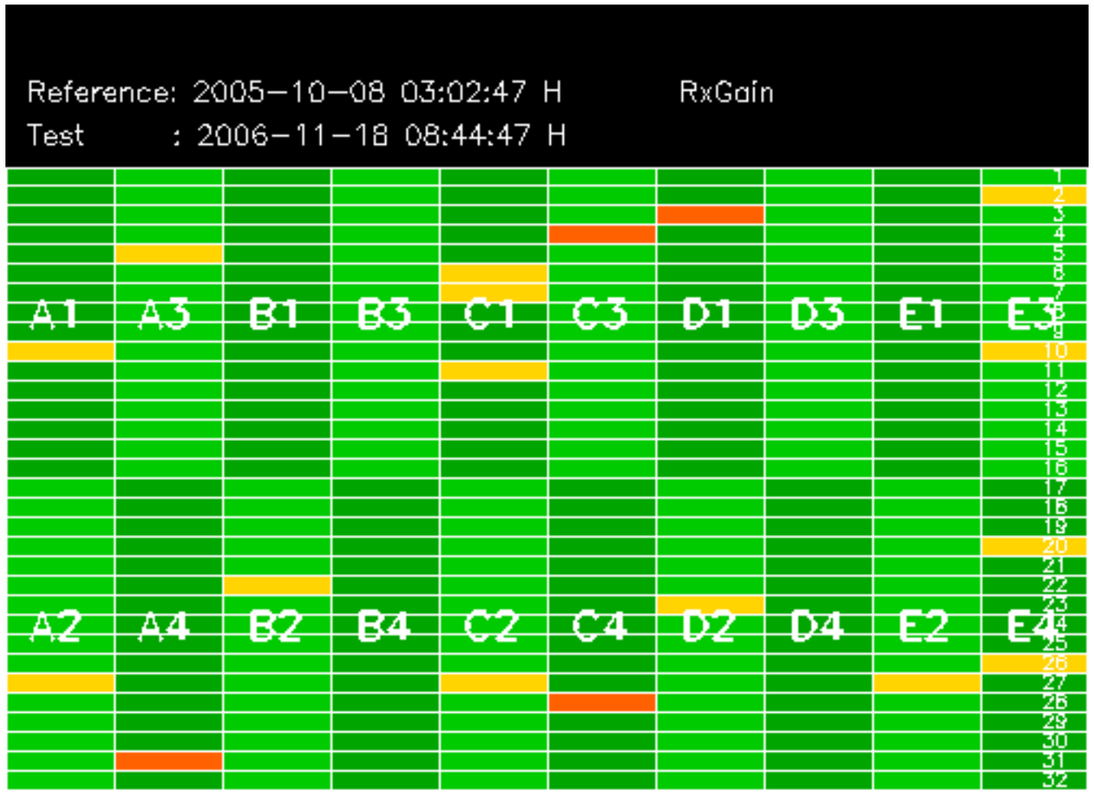

Reference: 2001-02-09 13:50:42 H
Test : 2006-11-18 08:44:47 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-18 08:44:47 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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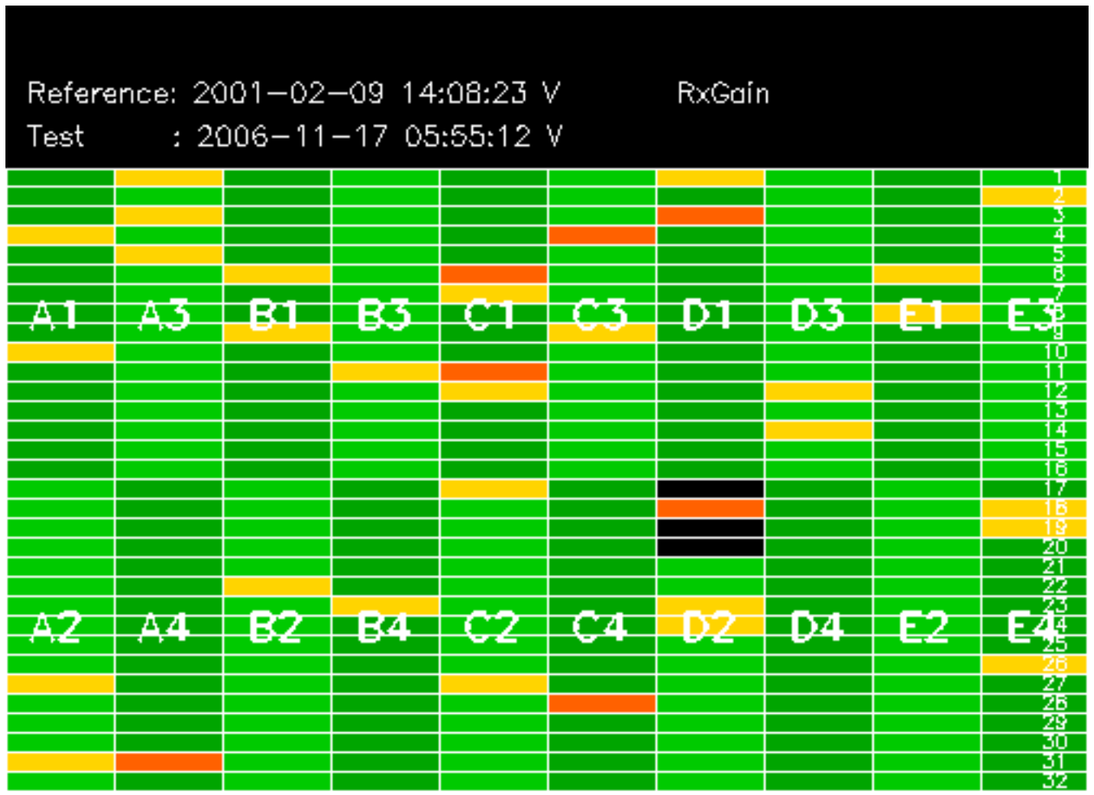
Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-11-17 05:55:12 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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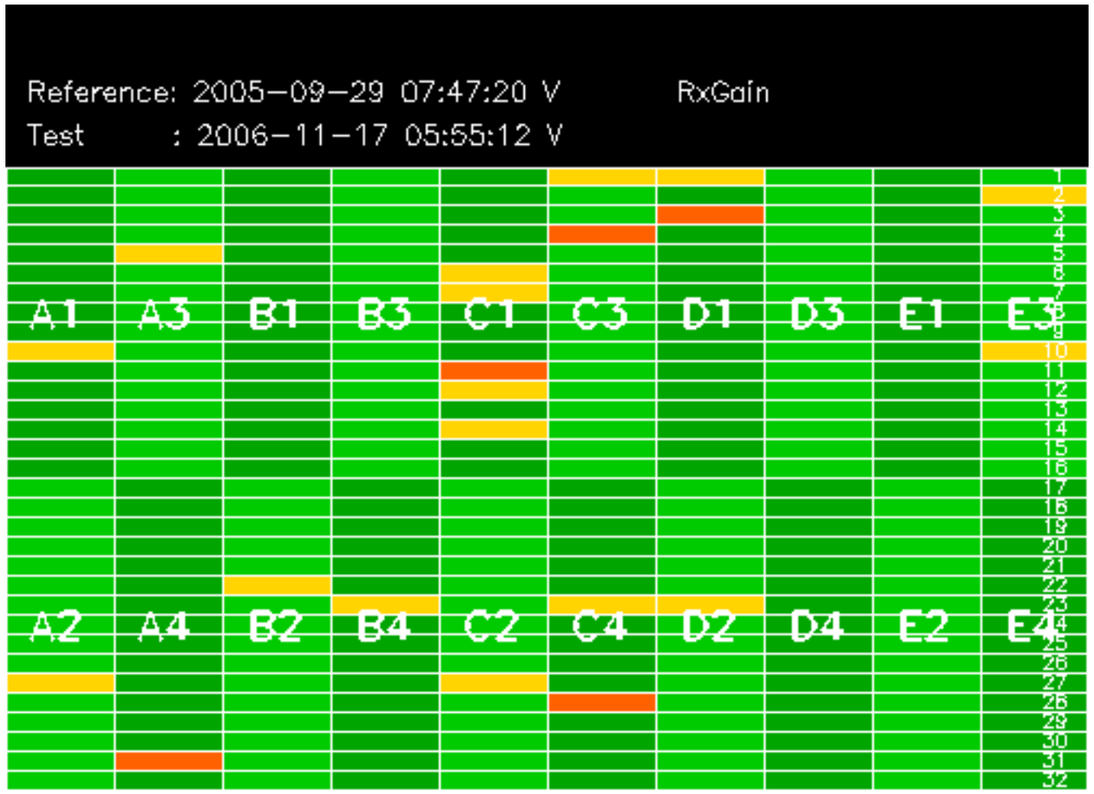
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-17 05:55:12 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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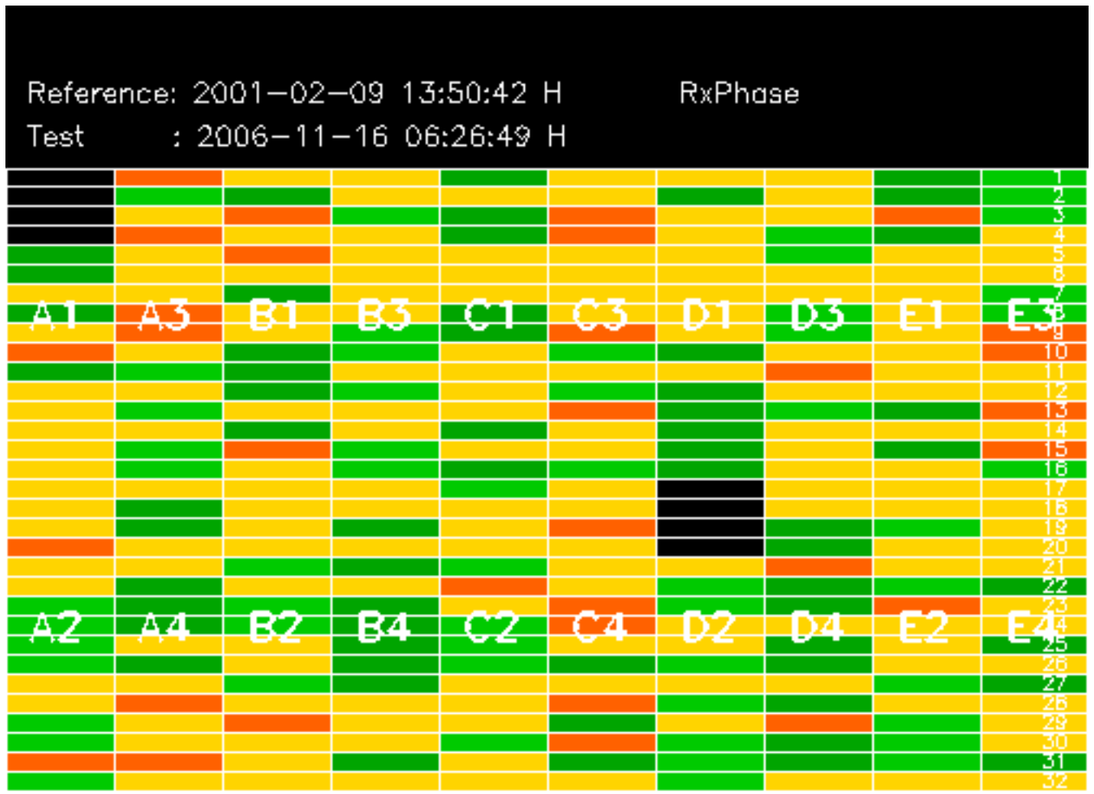
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-16 06:26:49 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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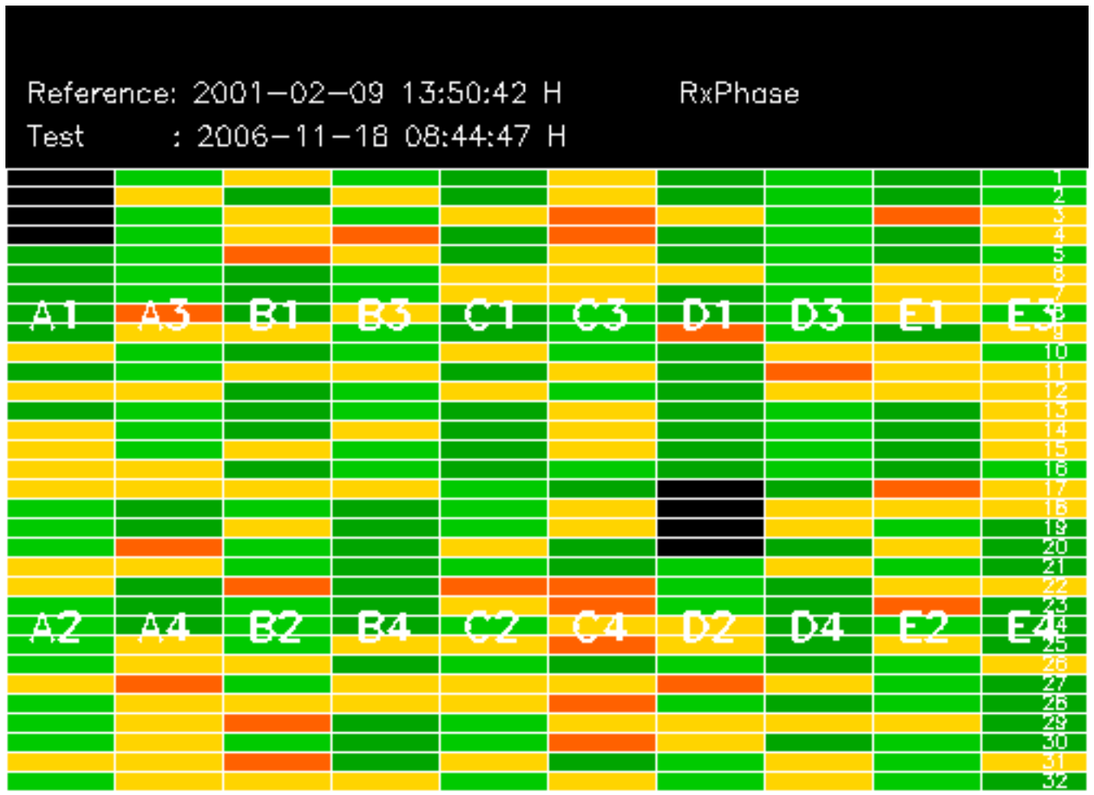
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-16 06:26:49 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-18 08:44:47 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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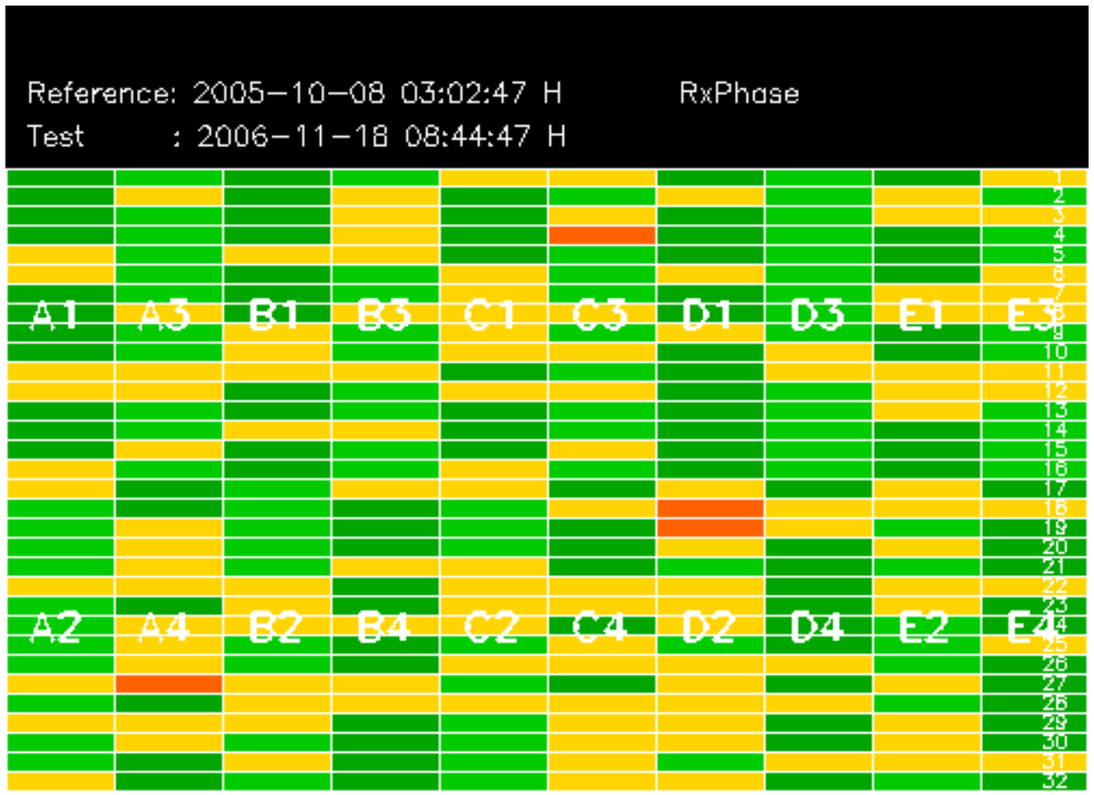
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-18 08:44:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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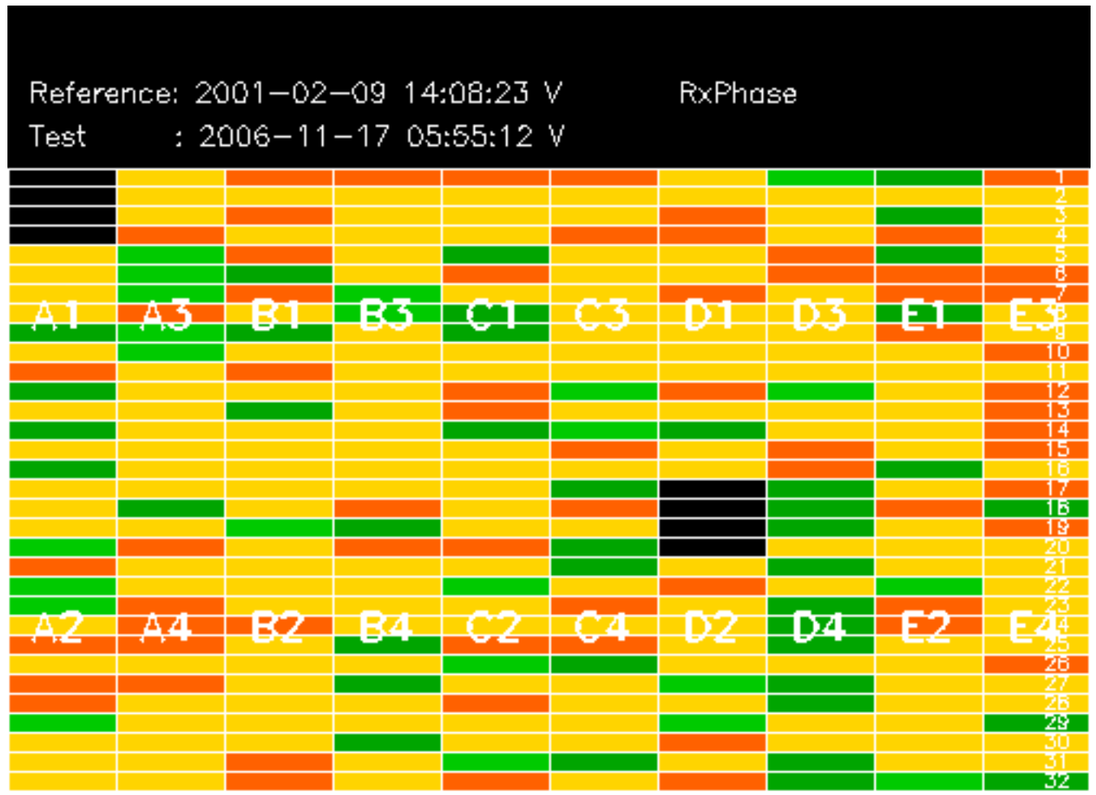
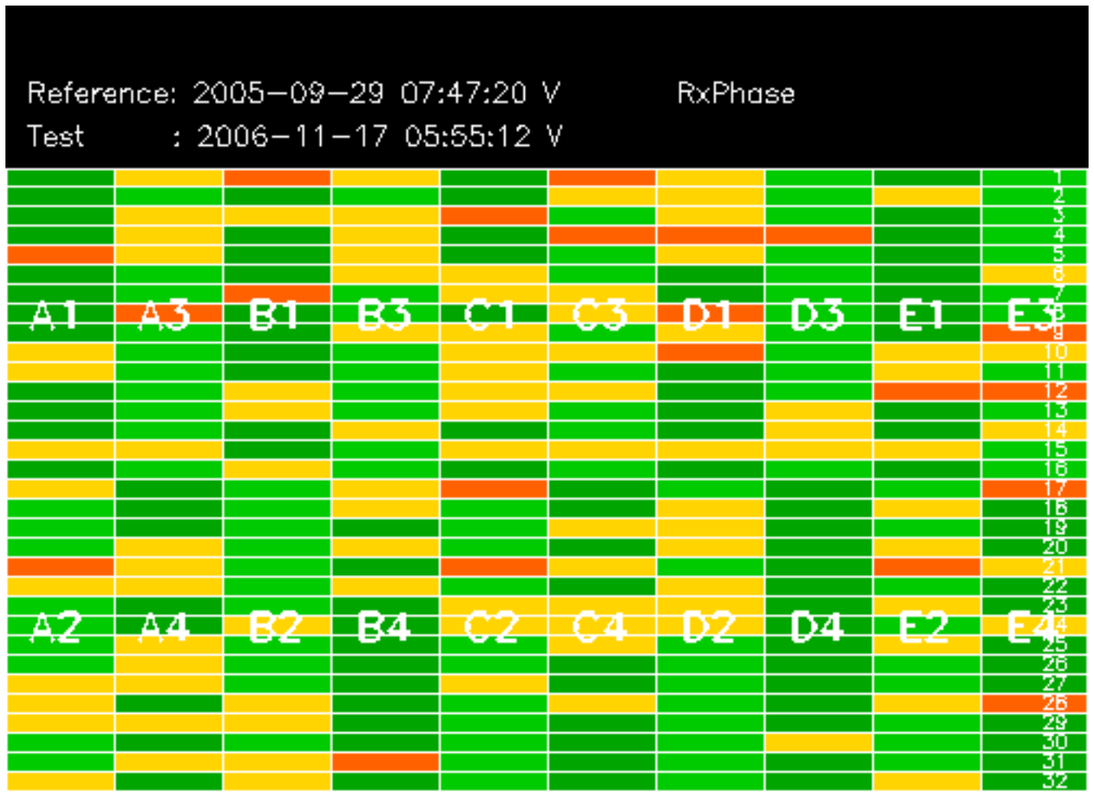

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-11-17 05:55:12 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-17 05:55:12 V
RxPhase
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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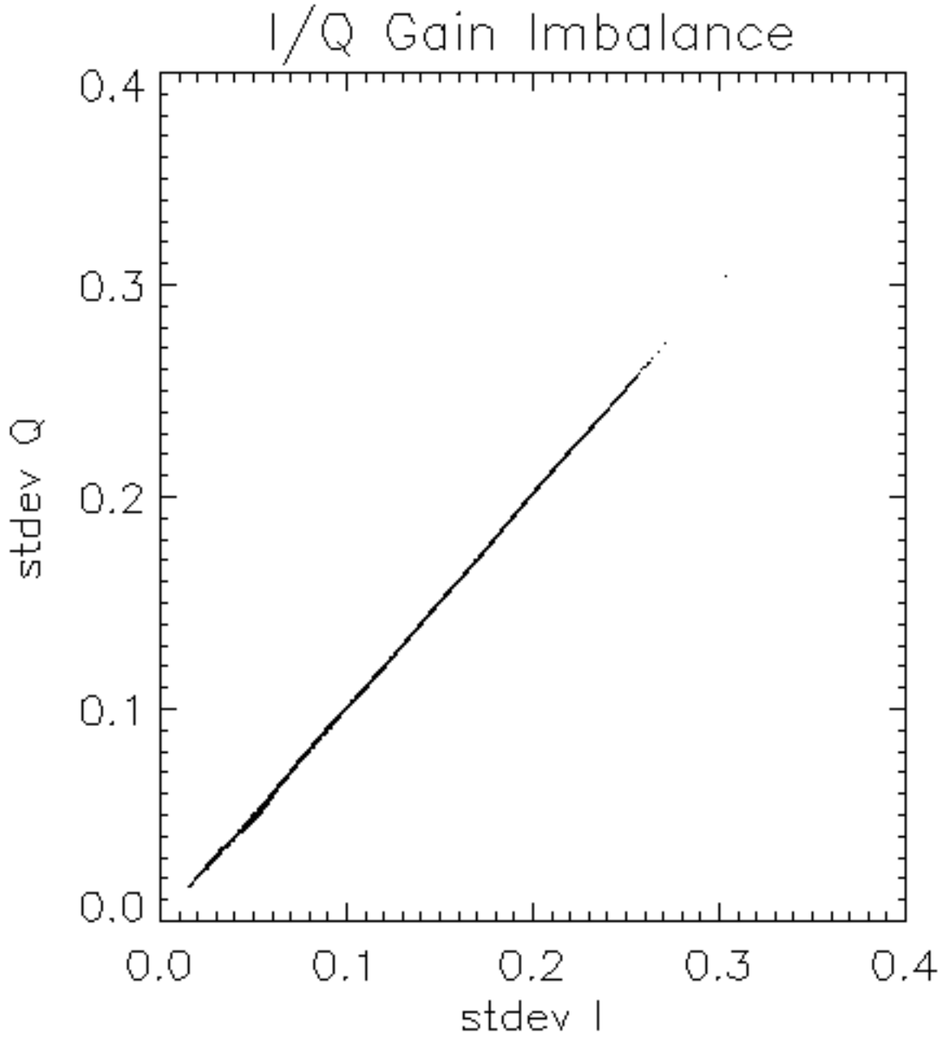
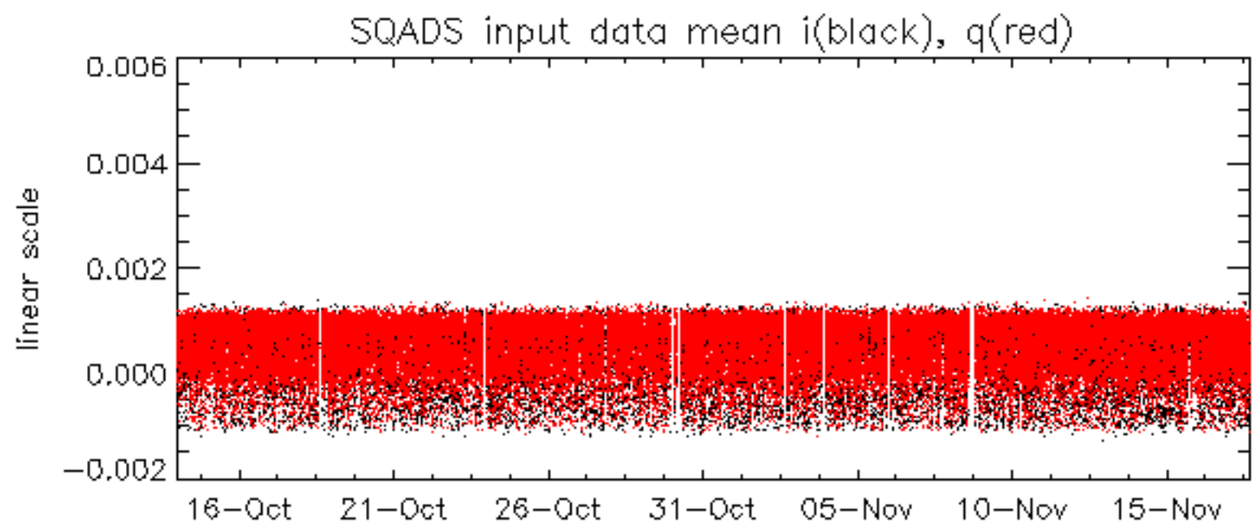
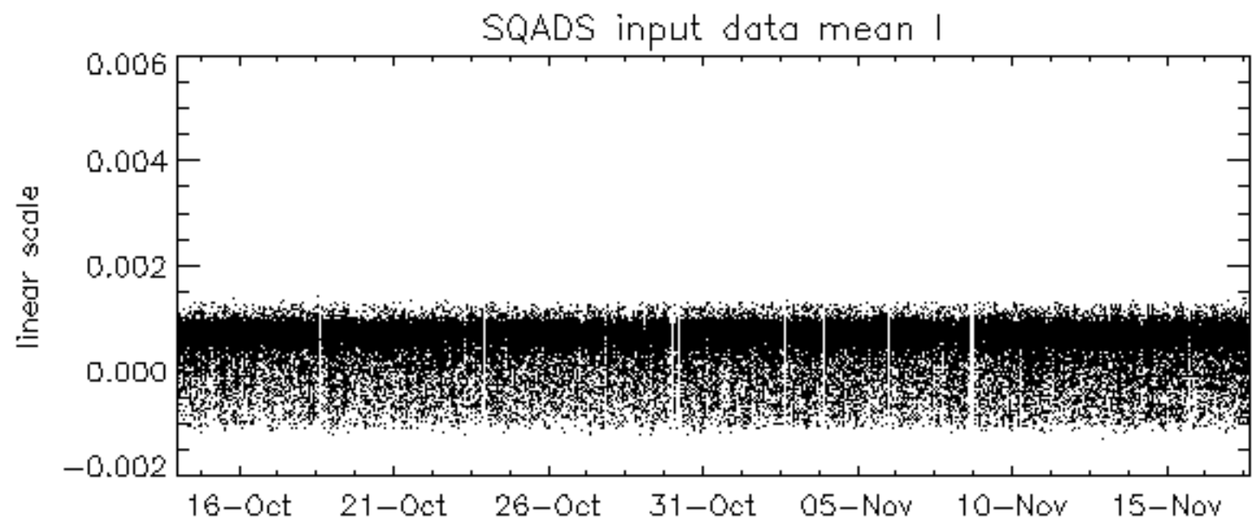
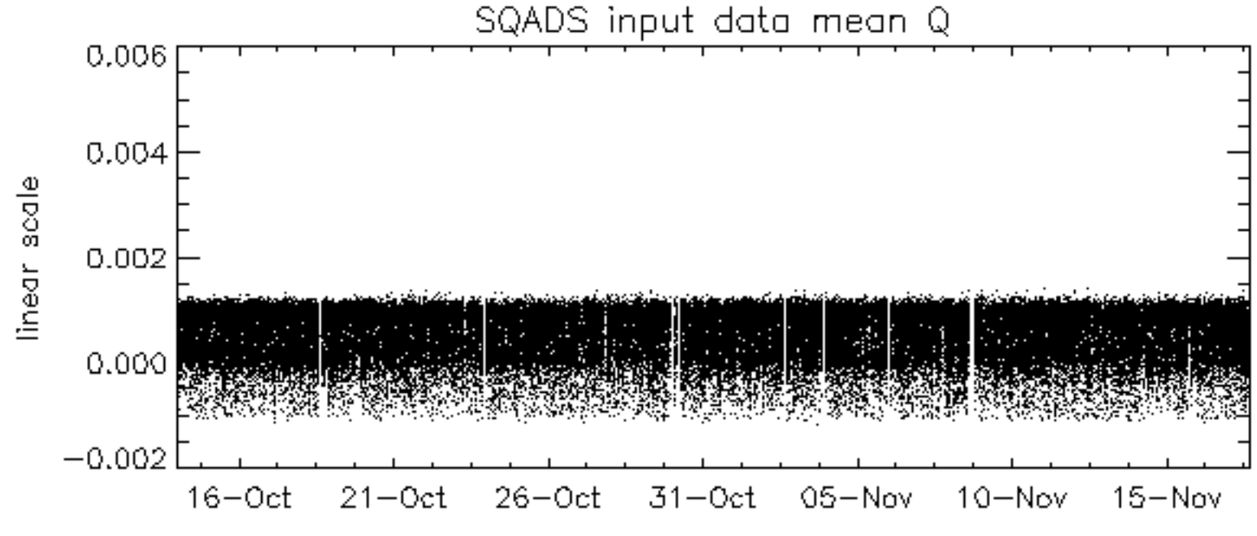
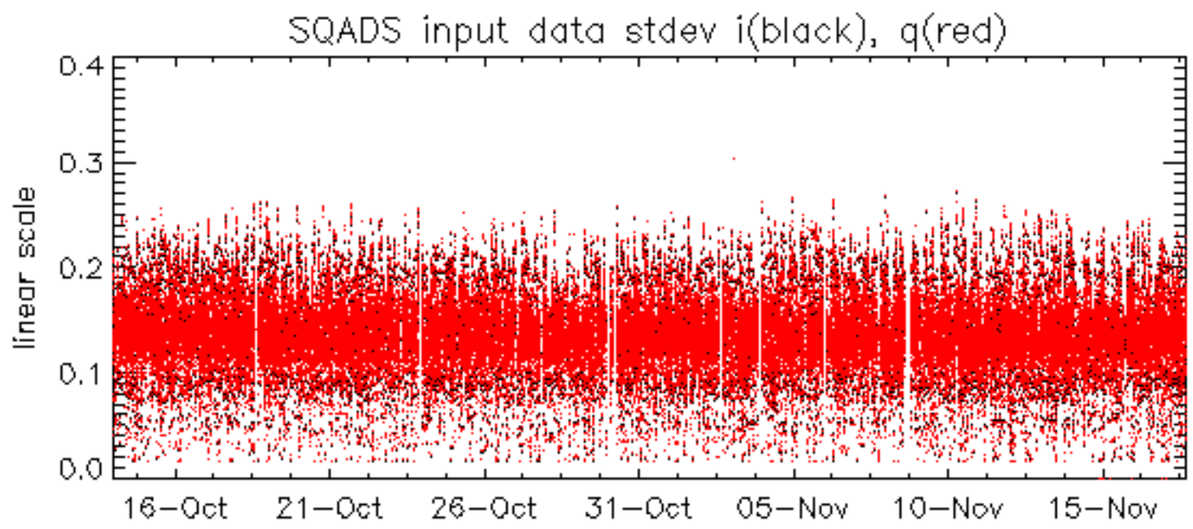
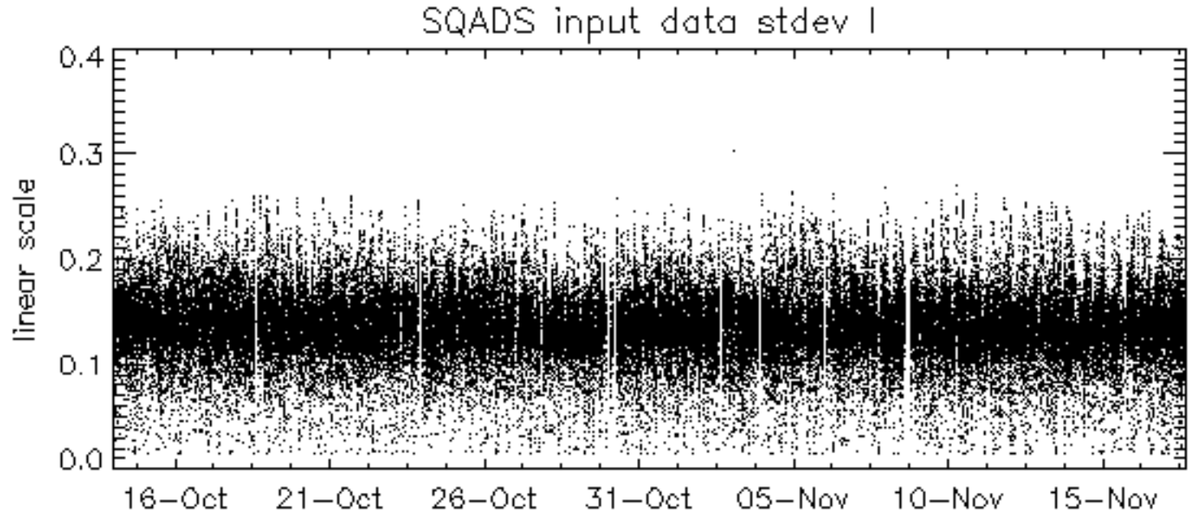

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

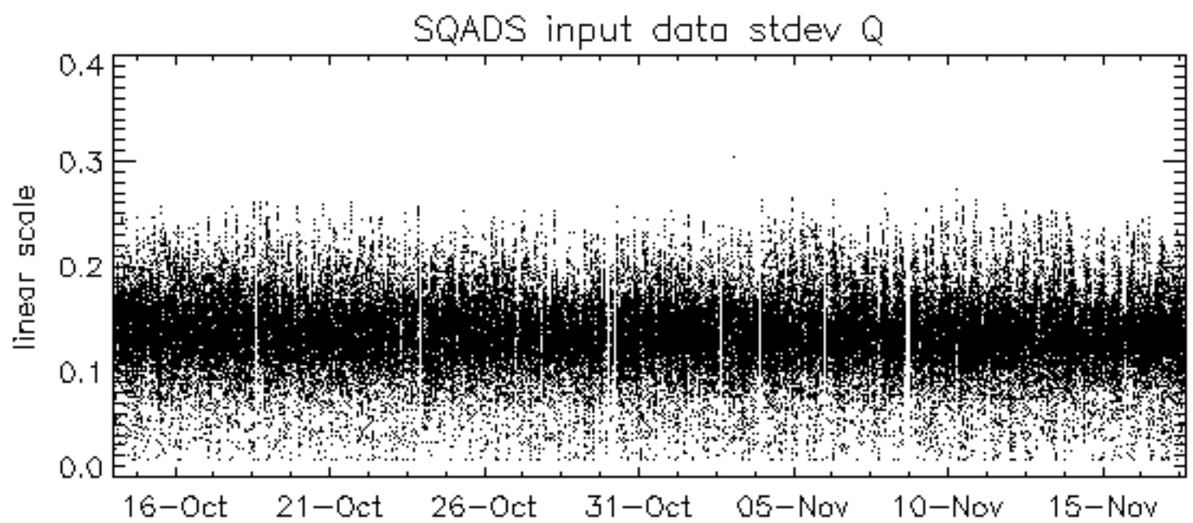

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov

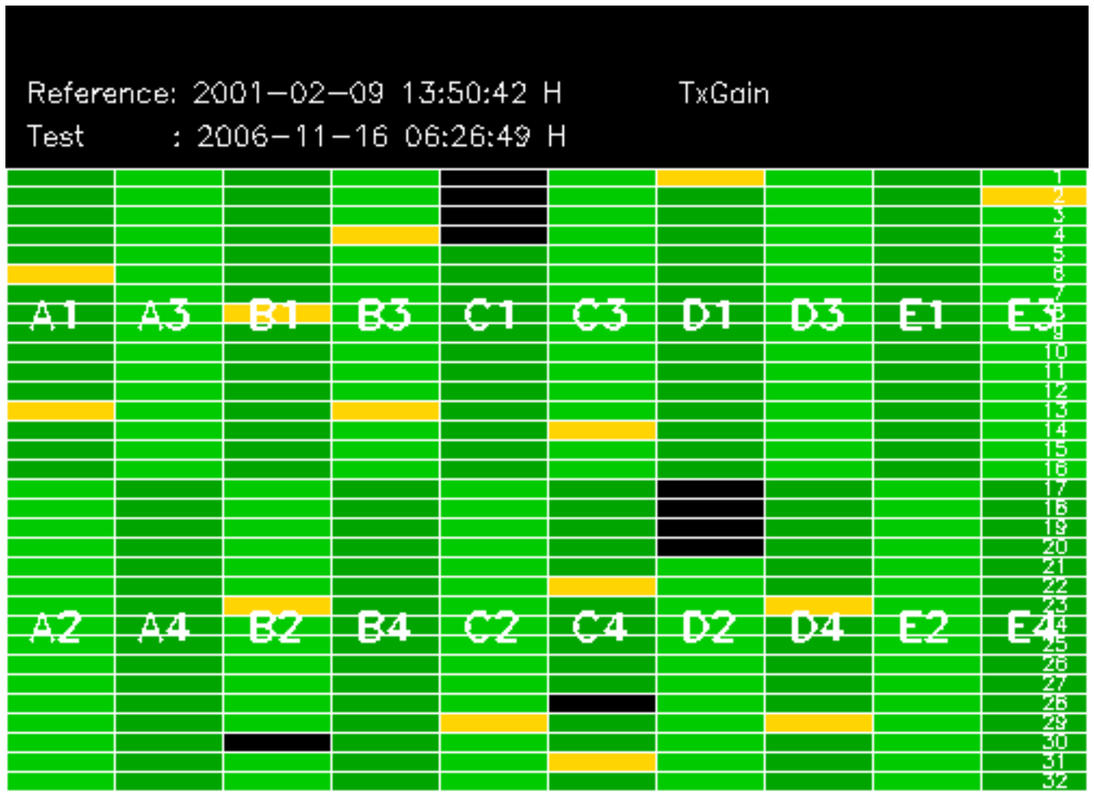

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-16 06:26:49 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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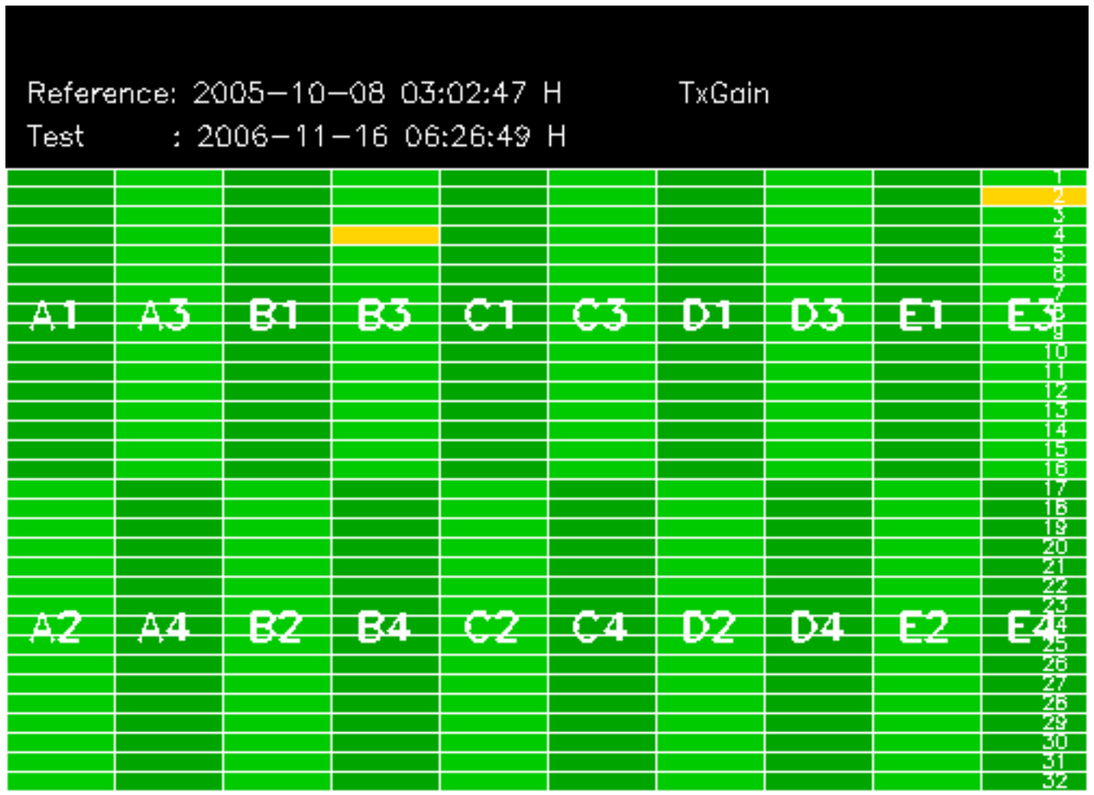
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-16 06:26:49 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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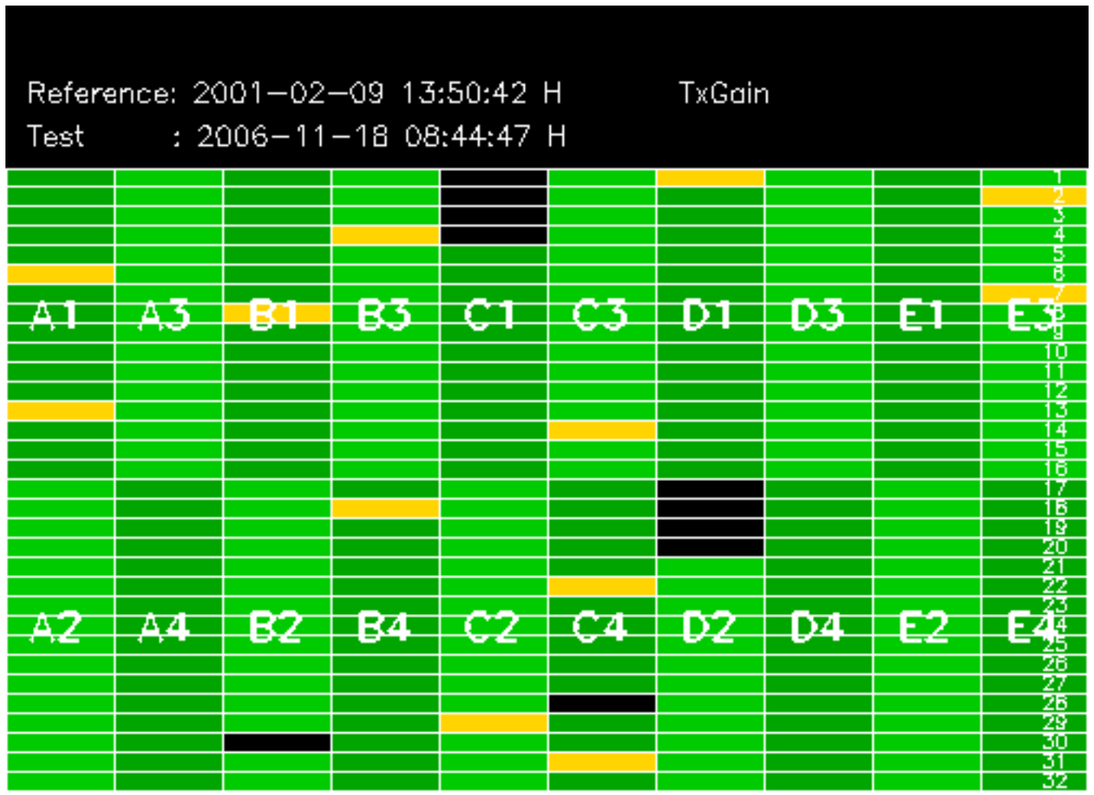
Reference: 2001-02-09 13:50:42 H
Test : 2006-11-18 08:44:47 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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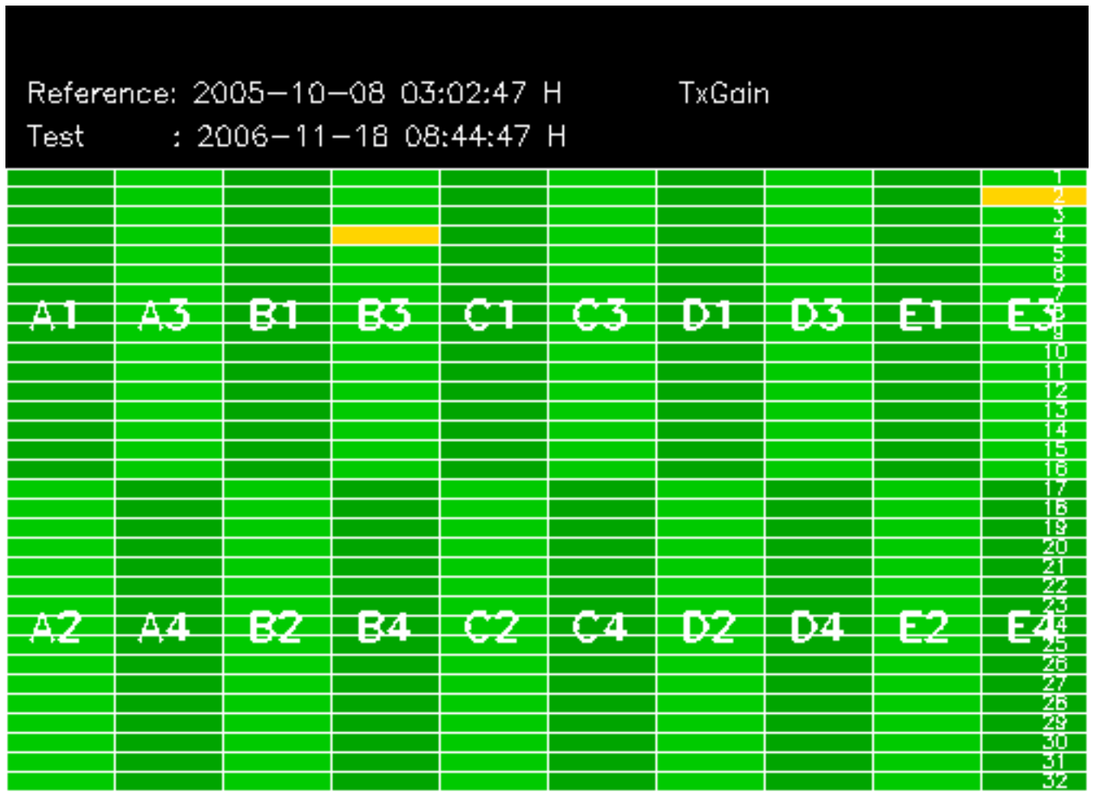
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-18 08:44:47 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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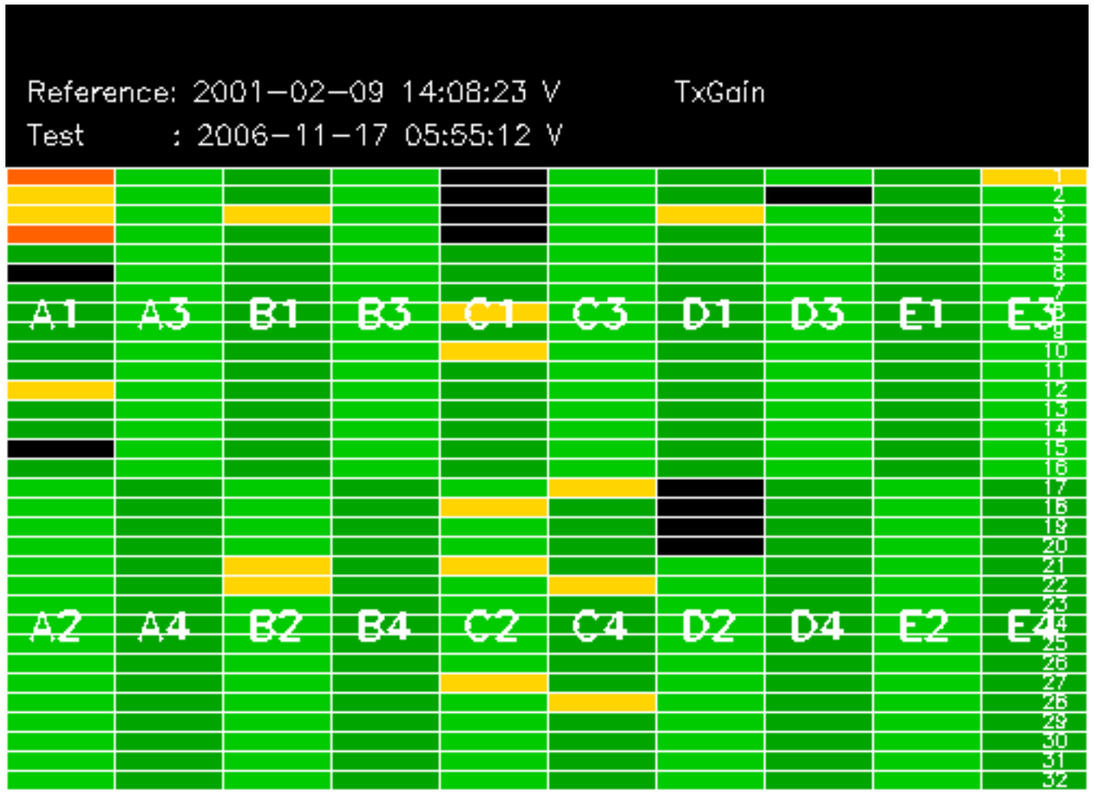
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-17 05:55:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
C2
C4
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D4
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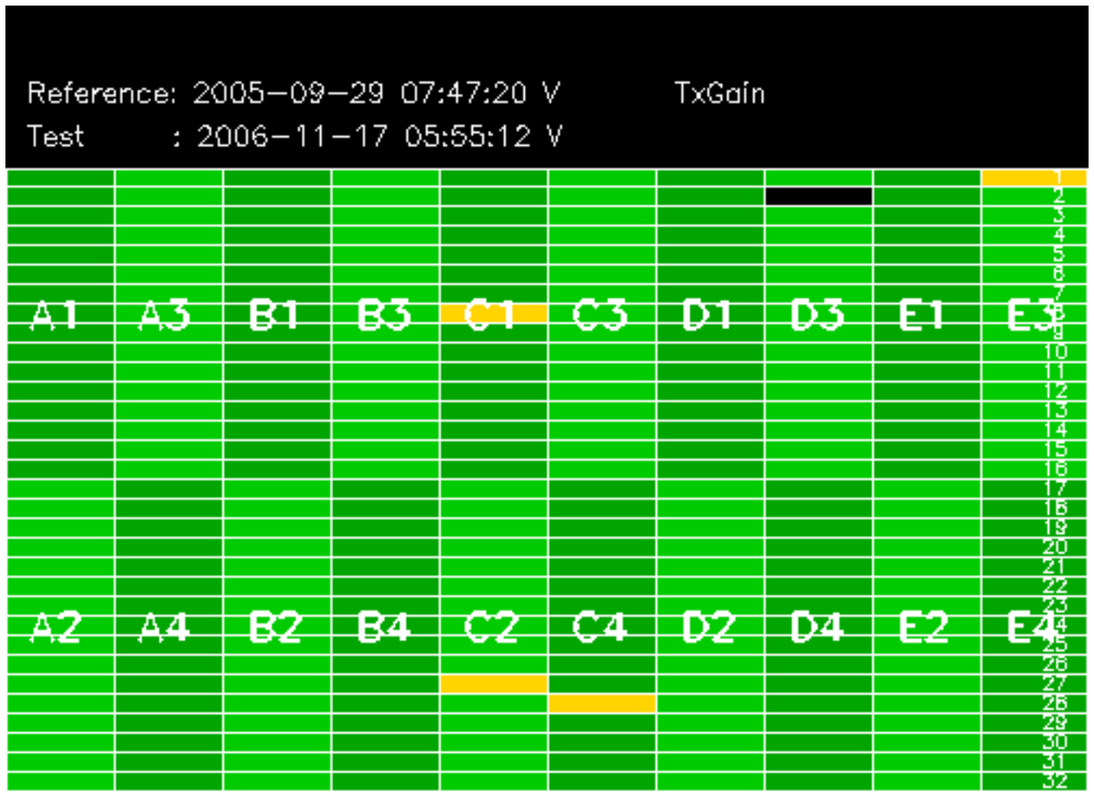
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-17 05:55:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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Summary of analysis for the last 3 days 2006111[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
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<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
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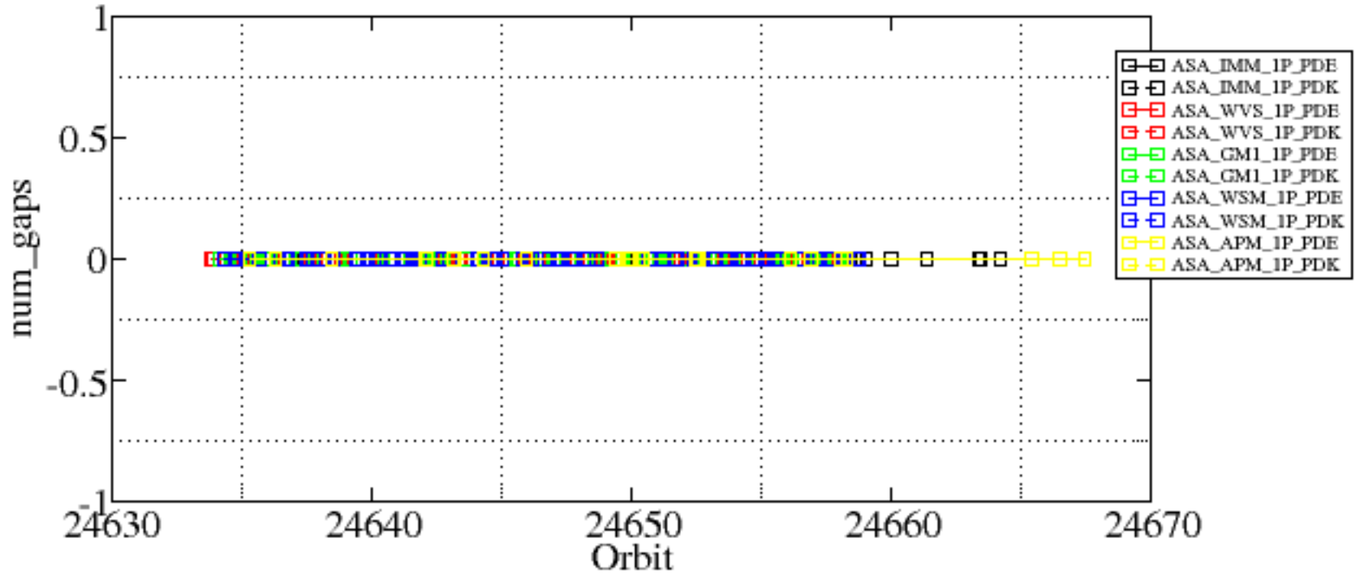
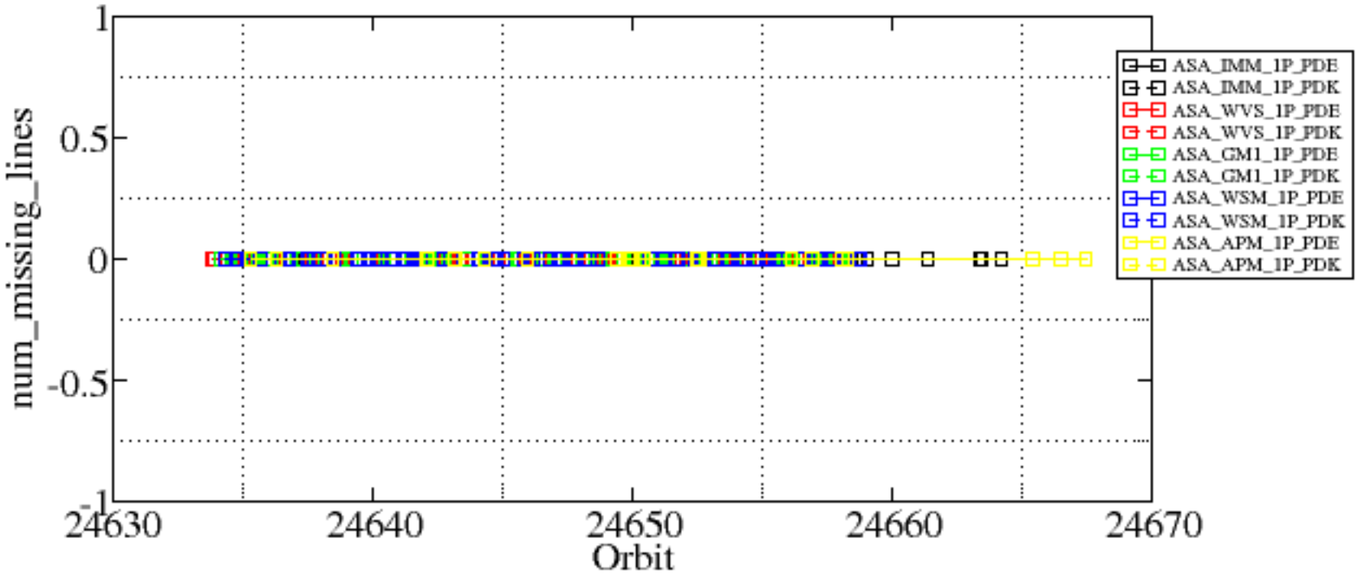
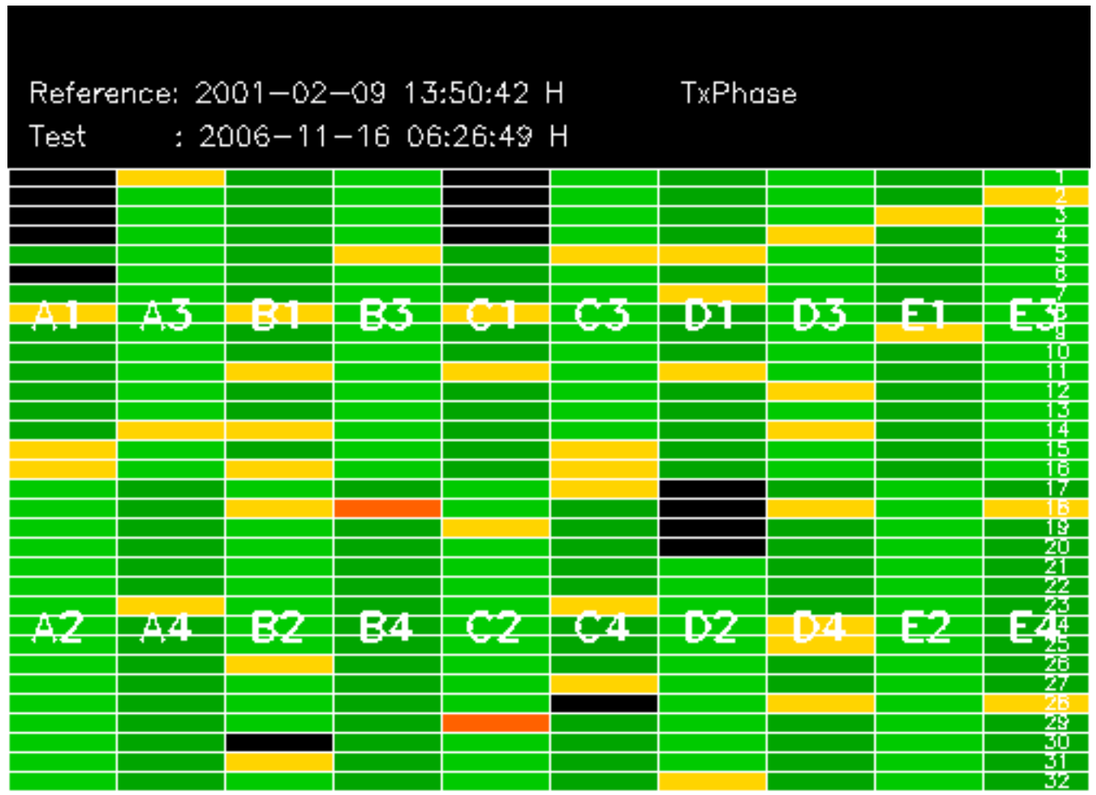

num_gaps
1
0.5
0
-0.5
-1
24630
24640
24650
24660
24670
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
1
0.5
0
-0.5
-1
24630
24640
24650
24660
24670
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-16 06:26:49 H
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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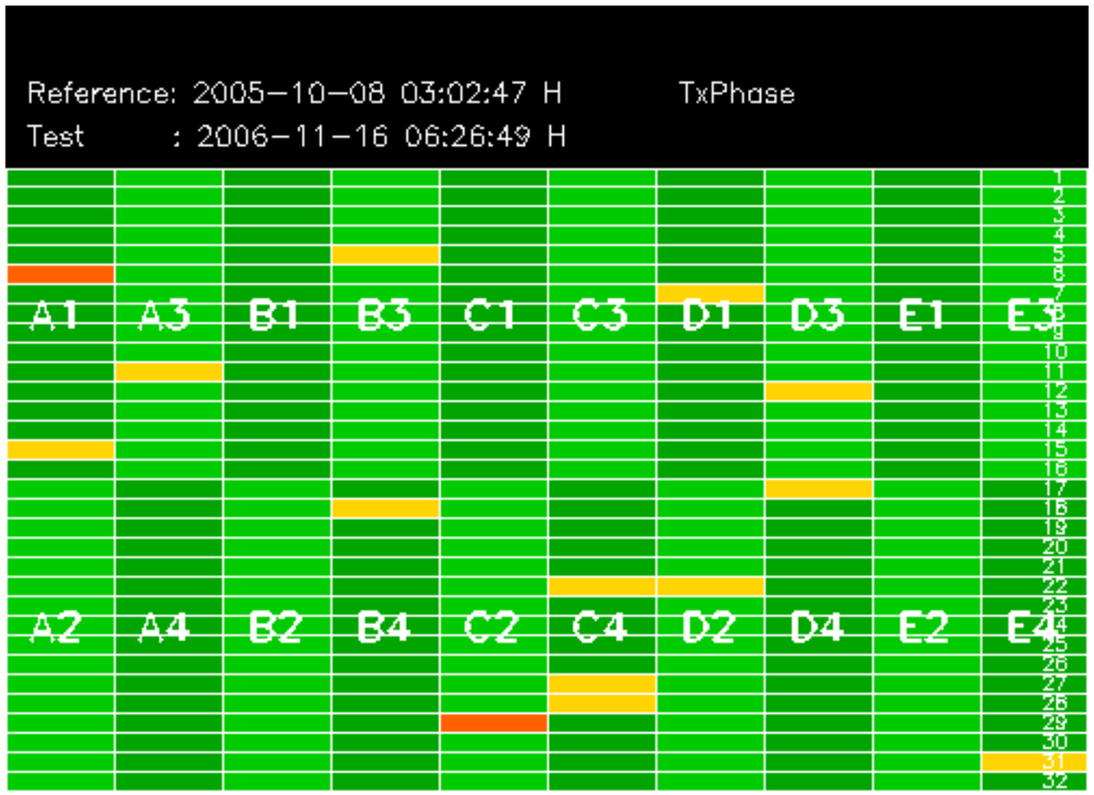
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-16 06:26:49 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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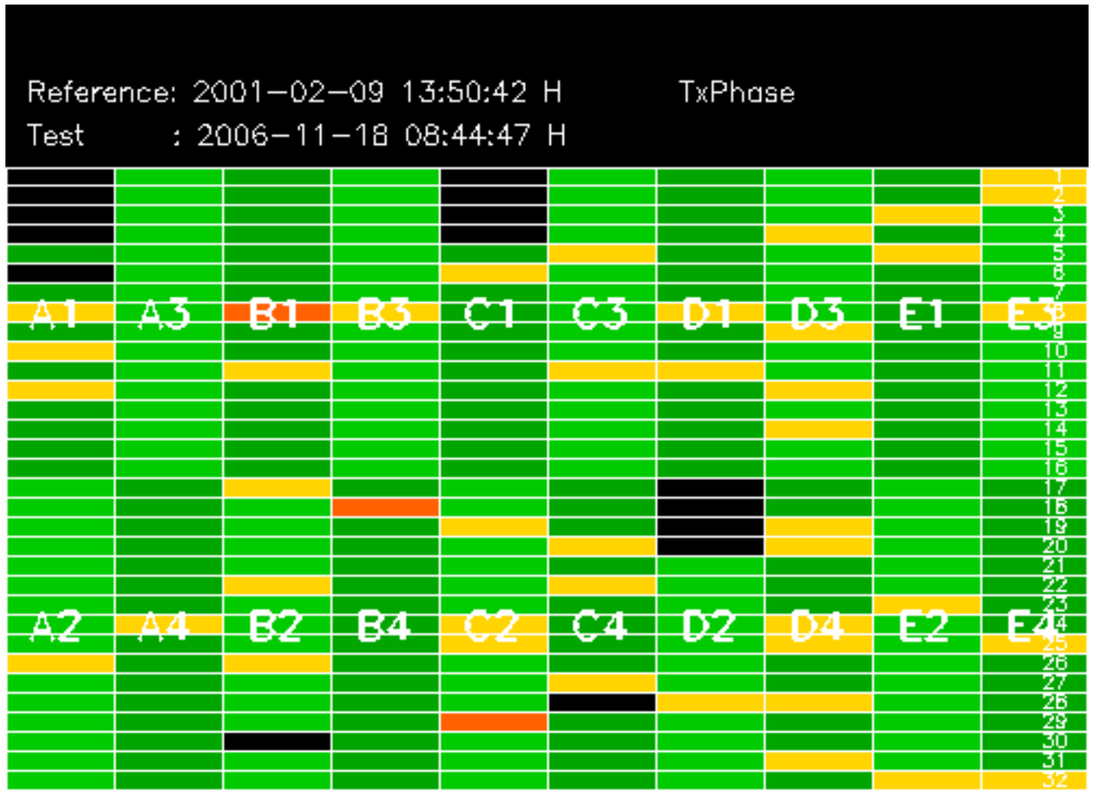
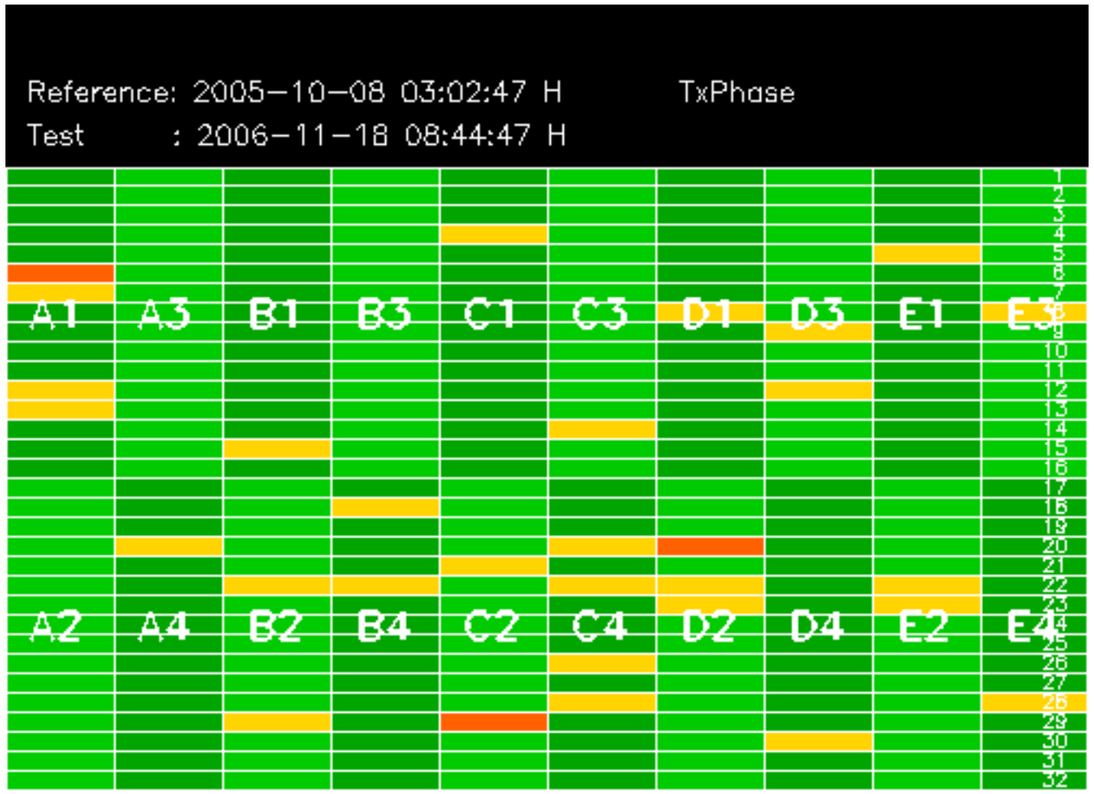

Reference: 2001-02-09 13:50:42 H
Test : 2006-11-18 08:44:47 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-18 08:44:47 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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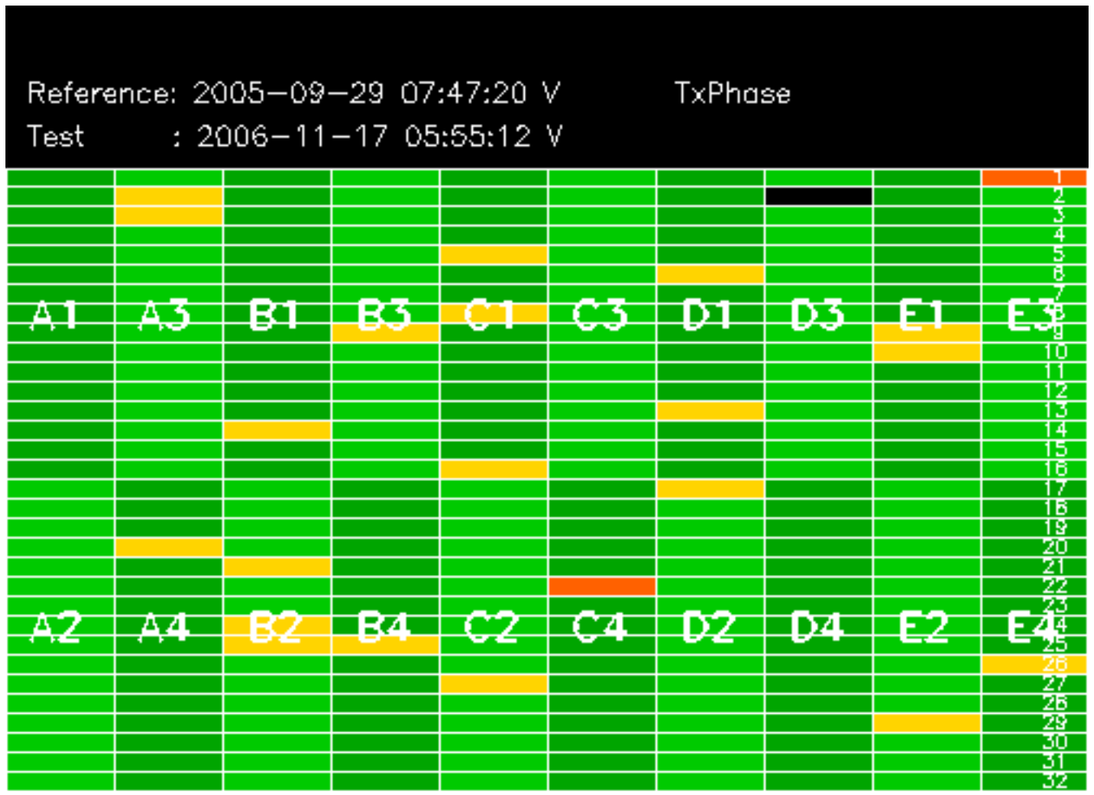
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-11-17 05:55:12 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-17 05:55:12 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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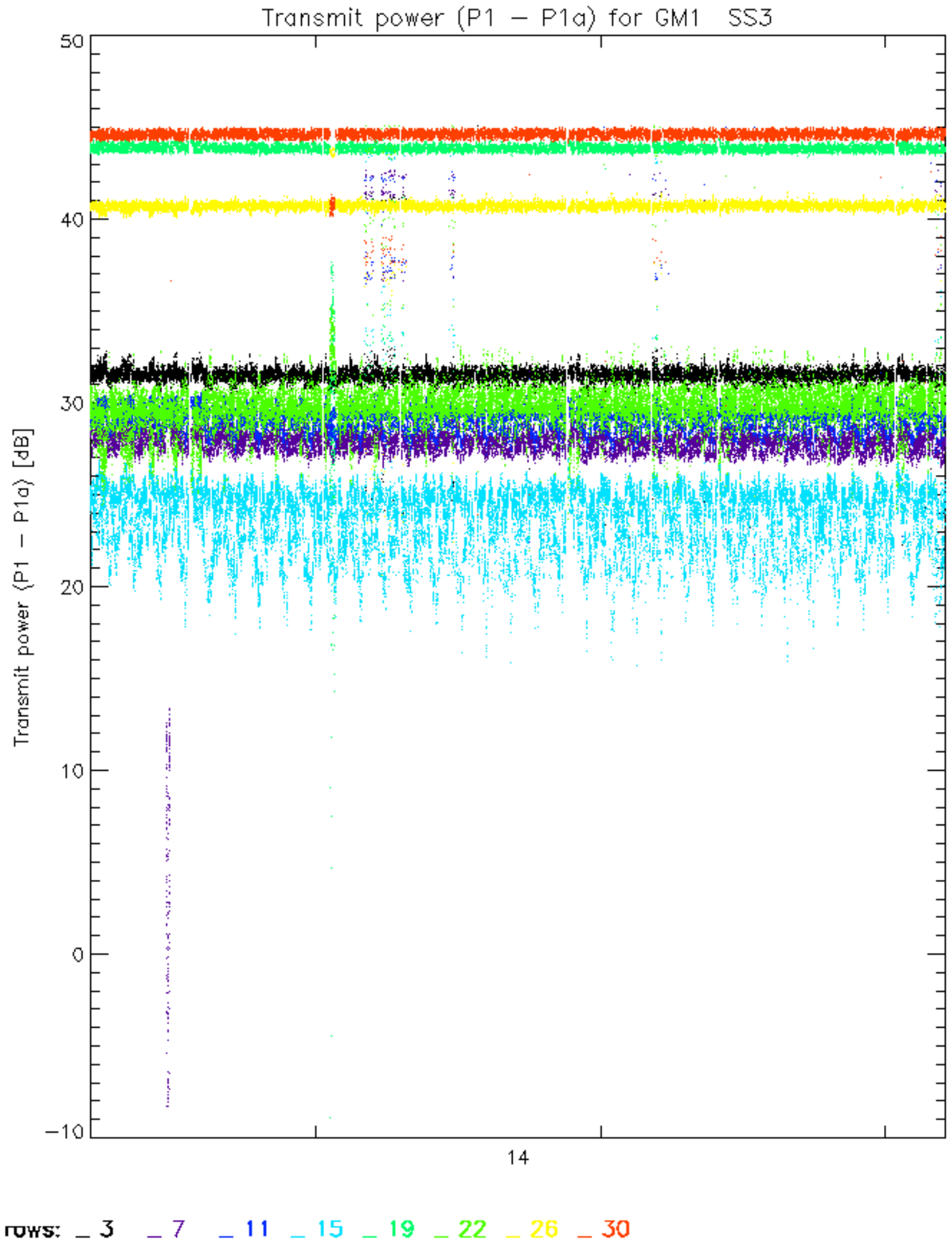
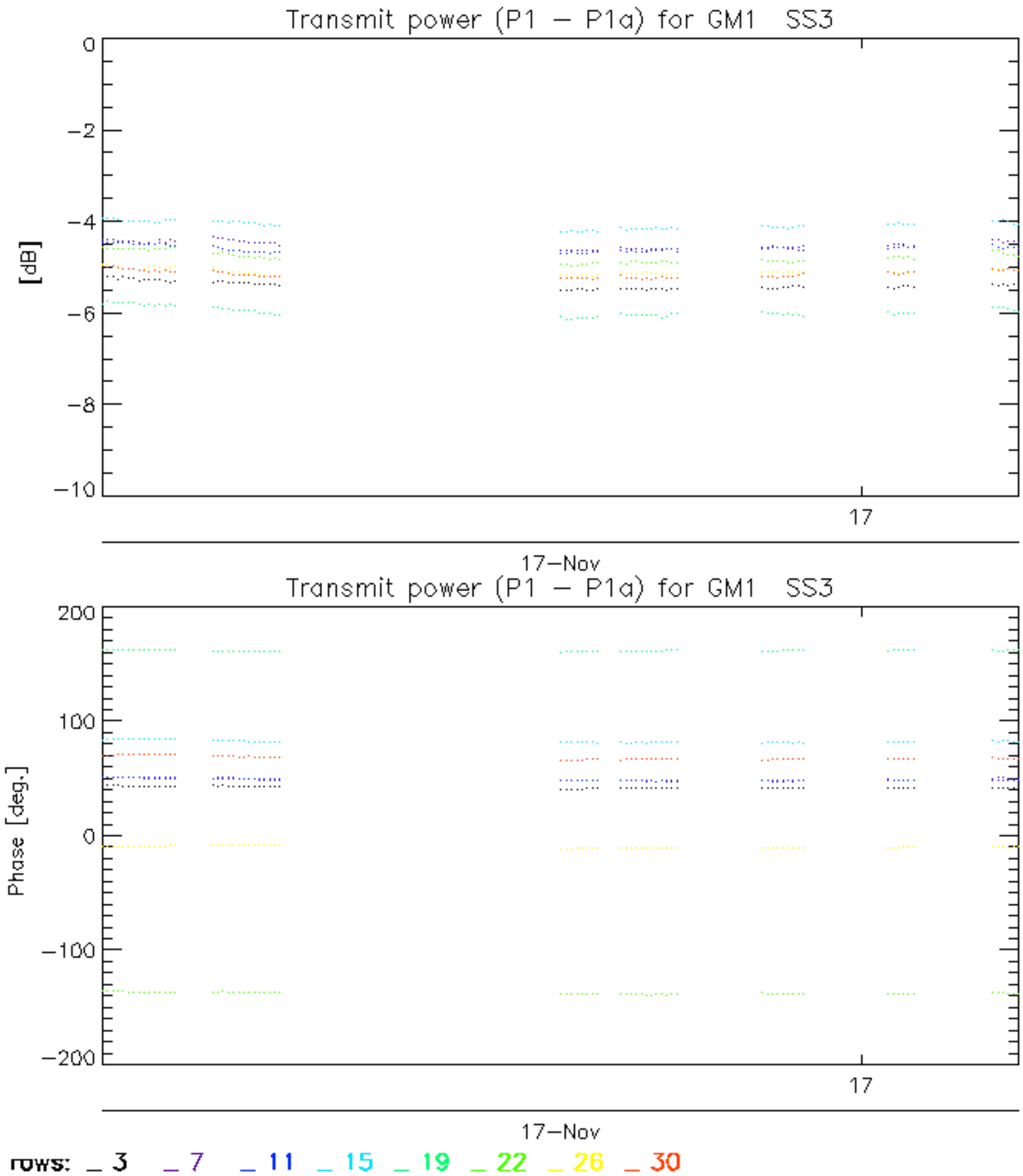
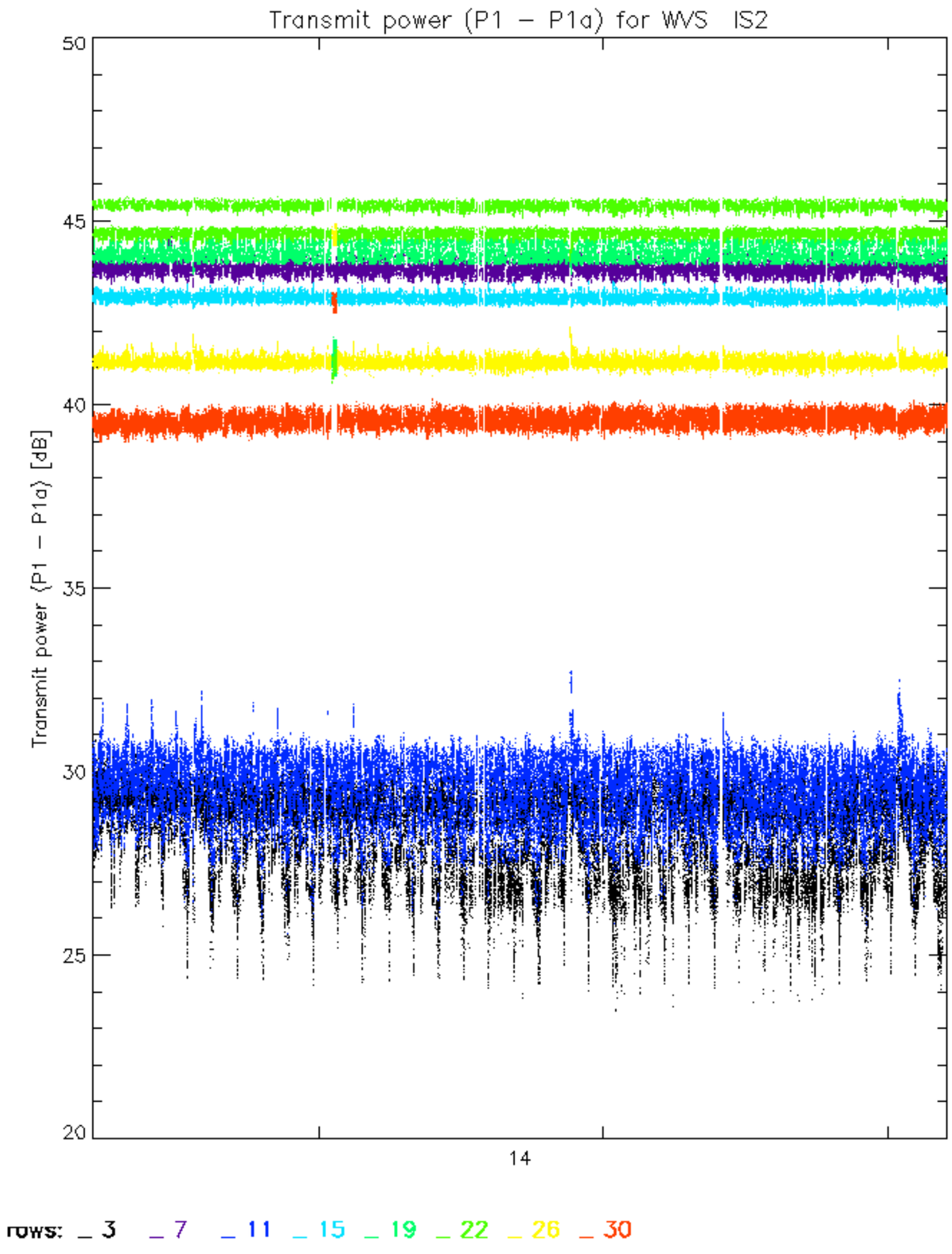
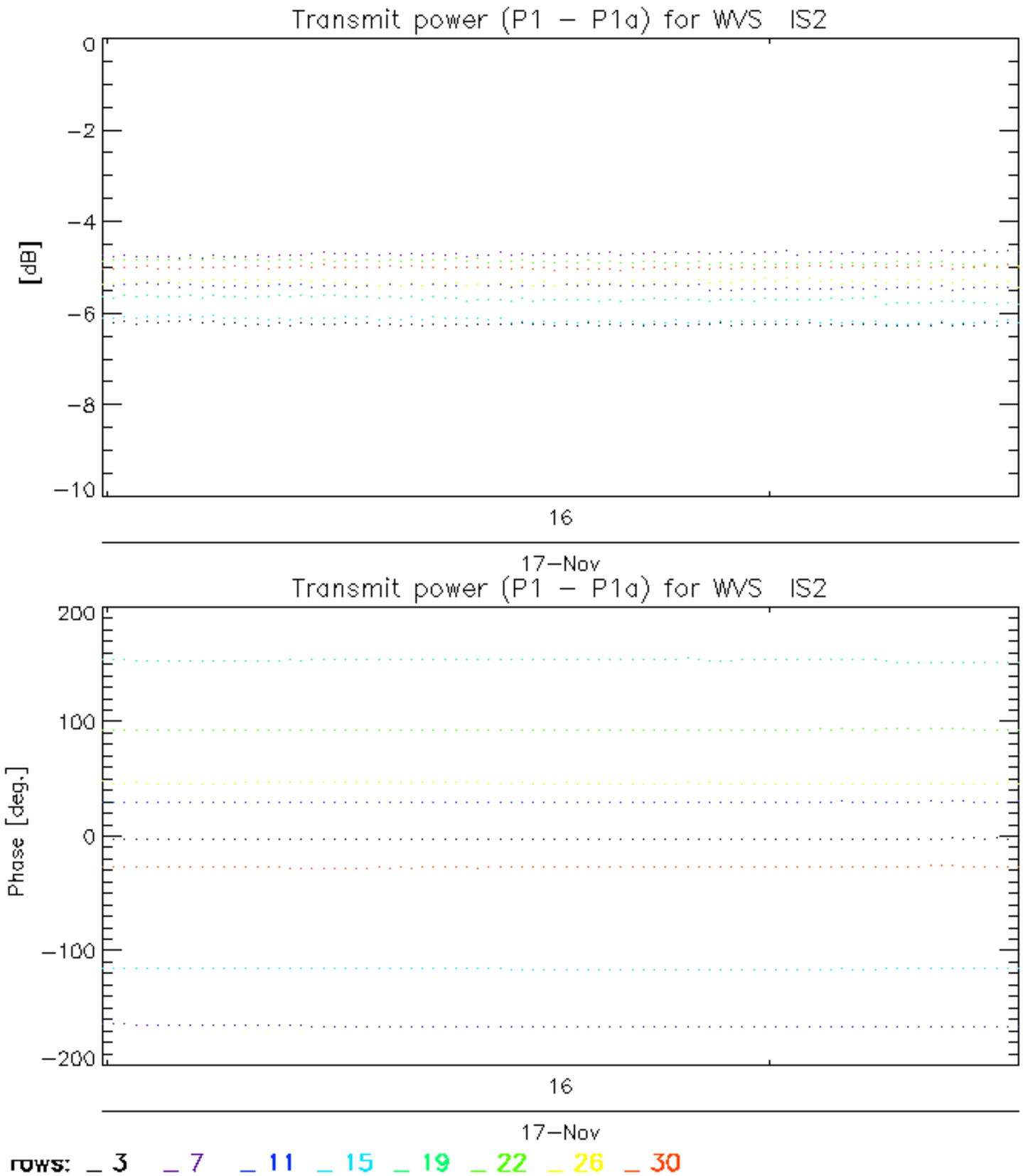

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
14
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
17
17–Nov
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
17
17–Nov
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
14
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
16
17–Nov
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
16
17–Nov
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.