# PRELIMINARY REPORT OF 061111

### last update on Sat Nov 11 16:37:51 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 2006-11-10 00:00:00 to 2006-11-11 16:37:51**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000 | 49 | 86 | 37 | 7 | 20 |
| ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000 | 49 | 86 | 37 | 7 | 20 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 49 | 86 | 37 | 7 | 20 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 49 | 86 | 37 | 7 | 20 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000 | 21 | 32 | 53 | 3 | 24 |
| ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000 | 21 | 32 | 53 | 3 | 24 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 21 | 32 | 53 | 3 | 24 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 21 | 32 | 53 | 3 | 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 | 20061109 100809 |
| H | 20061110 143819 |

**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 | -3.955140 | 0.009078 | 0.004812 |
| 7 | P1 | -3.121434 | 0.020312 | -0.110035 |
| 11 | P1 | -4.117614 | 0.024621 | -0.058969 |
| 15 | P1 | -6.256382 | 0.015078 | -0.103695 |
| 19 | P1 | -3.601732 | 0.064982 | -0.041391 |
| 22 | P1 | -4.654587 | 0.130171 | -0.049905 |
| 26 | P1 | -3.982038 | 0.088631 | 0.046215 |
| 30 | P1 | -5.875828 | 0.170548 | -0.027920 |
| 3 | P1 | -16.542532 | 0.226202 | 0.252577 |
| 7 | P1 | -17.197628 | 0.190256 | -0.305359 |
| 11 | P1 | -17.100662 | 0.431213 | -0.202644 |
| 15 | P1 | -12.980567 | 0.121059 | -0.312693 |
| 19 | P1 | -14.841647 | 0.371453 | -0.264584 |
| 22 | P1 | -15.759423 | 0.503063 | -0.513671 |
| 26 | P1 | -15.086573 | 0.217295 | 0.069059 |
| 30 | P1 | -17.250860 | 0.560982 | -0.684548 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -20.841980 | 0.088408 | -0.038395 |
| 7 | P2 | -21.741261 | 0.093101 | 0.039206 |
| 11 | P2 | -15.682018 | 0.105371 | 0.096376 |
| 15 | P2 | -7.101332 | 0.106947 | -0.091482 |
| 19 | P2 | -9.166086 | 0.101359 | -0.111821 |
| 22 | P2 | -18.194691 | 0.094769 | -0.128223 |
| 26 | P2 | -16.494551 | 0.107200 | -0.182439 |
| 30 | P2 | -19.472202 | 0.089212 | -0.013626 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 7 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 11 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 15 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 19 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 22 | P3 | -8.221230 | 0.007716 | -0.046457 |
| 26 | P3 | -8.221283 | 0.007737 | -0.046400 |
| 30 | P3 | -8.221283 | 0.007737 | -0.046400 |

### 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 | -3.923075 | 0.167689 | 0.068481 |
| 7 | P1 | -2.607133 | 1.077824 | 0.354540 |
| 11 | P1 | -2.897158 | 0.134399 | 0.141483 |
| 15 | P1 | -3.698494 | 0.124346 | 0.090056 |
| 19 | P1 | -3.523316 | 0.132296 | -0.058196 |
| 22 | P1 | -5.066493 | 0.099283 | 0.015423 |
| 26 | P1 | -5.999003 | 0.249866 | -0.072826 |
| 30 | P1 | -5.301089 | 0.167593 | -0.091874 |
| 3 | P1 | -11.749846 | 0.410617 | 0.176227 |
| 7 | P1 | -10.146644 | 1.369191 | 0.393450 |
| 11 | P1 | -10.409762 | 0.374507 | 0.342320 |
| 15 | P1 | -10.871964 | 0.510444 | 0.462683 |
| 19 | P1 | -15.745719 | 2.322964 | -0.132454 |
| 22 | P1 | -21.170774 | 1.634244 | -0.673975 |
| 26 | P1 | -15.950864 | 0.439602 | -0.394420 |
| 30 | P1 | -17.976723 | 0.528322 | 0.273620 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -16.393772 | 0.256690 | -0.268095 |
| 7 | P2 | -22.064957 | 1.416540 | -0.649261 |
| 11 | P2 | -10.884292 | 0.228935 | -0.236459 |
| 15 | P2 | -4.924268 | 0.077200 | -0.138500 |
| 19 | P2 | -6.909437 | 0.153454 | -0.156991 |
| 22 | P2 | -8.265762 | 0.469842 | 0.045595 |
| 26 | P2 | -24.188326 | 1.067385 | -0.541521 |
| 30 | P2 | -21.887878 | 0.544462 | -0.276152 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.070500 | 0.003271 | -0.044109 |
| 7 | P3 | -8.070423 | 0.003251 | -0.044216 |
| 11 | P3 | -8.070425 | 0.003257 | -0.044643 |
| 15 | P3 | -8.070317 | 0.003252 | -0.043947 |
| 19 | P3 | -8.070412 | 0.003256 | -0.044207 |
| 22 | P3 | -8.070271 | 0.003260 | -0.044414 |
| 26 | P3 | -8.070271 | 0.003248 | -0.044982 |
| 30 | P3 | -8.070344 | 0.003258 | -0.045027 |

## 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 | 0.000549662 |
| | stdev | 1.75144e-07 |
| MEAN Q | mean | 0.000518413 |
| | stdev | 2.19559e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.136932 |
| | stdev | 0.00112351 |
| STDEV Q | mean | 0.137296 |
| | stdev | 0.00114080 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2006111[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

| Filename | num_gaps | num_missing_lines |
|---|---|---|
| ASA_IMM_1PNPDK20061110_062233_000000592052_00449_24551_3724.N1 | 0 | 1 |
| ASA_GM1_1PNPDK20061110_150123_000001872052_00454_24556_8390.N1 | 0 | 30 |
| ASA_GM1_1PNPDK20061110_152402_000006522052_00455_24557_8387.N1 | 0 | 28 |
| ASA_WSM_1PNPDE20061110_005418_000002632052_00446_24548_0001.N1 | 0 | 29 |
| ASA_WSM_1PNPDK20061110_141658_000003302052_00454_24556_9834.N1 | 0 | 60 |
| ASA_WSM_1PNPDK20061110_142505_000000672052_00454_24556_9836.N1 | 0 | 18 |
| ASA_WSM_1PNPDK20061110_165310_000000852052_00456_24558_9847.N1 | 0 | 59 |

# 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

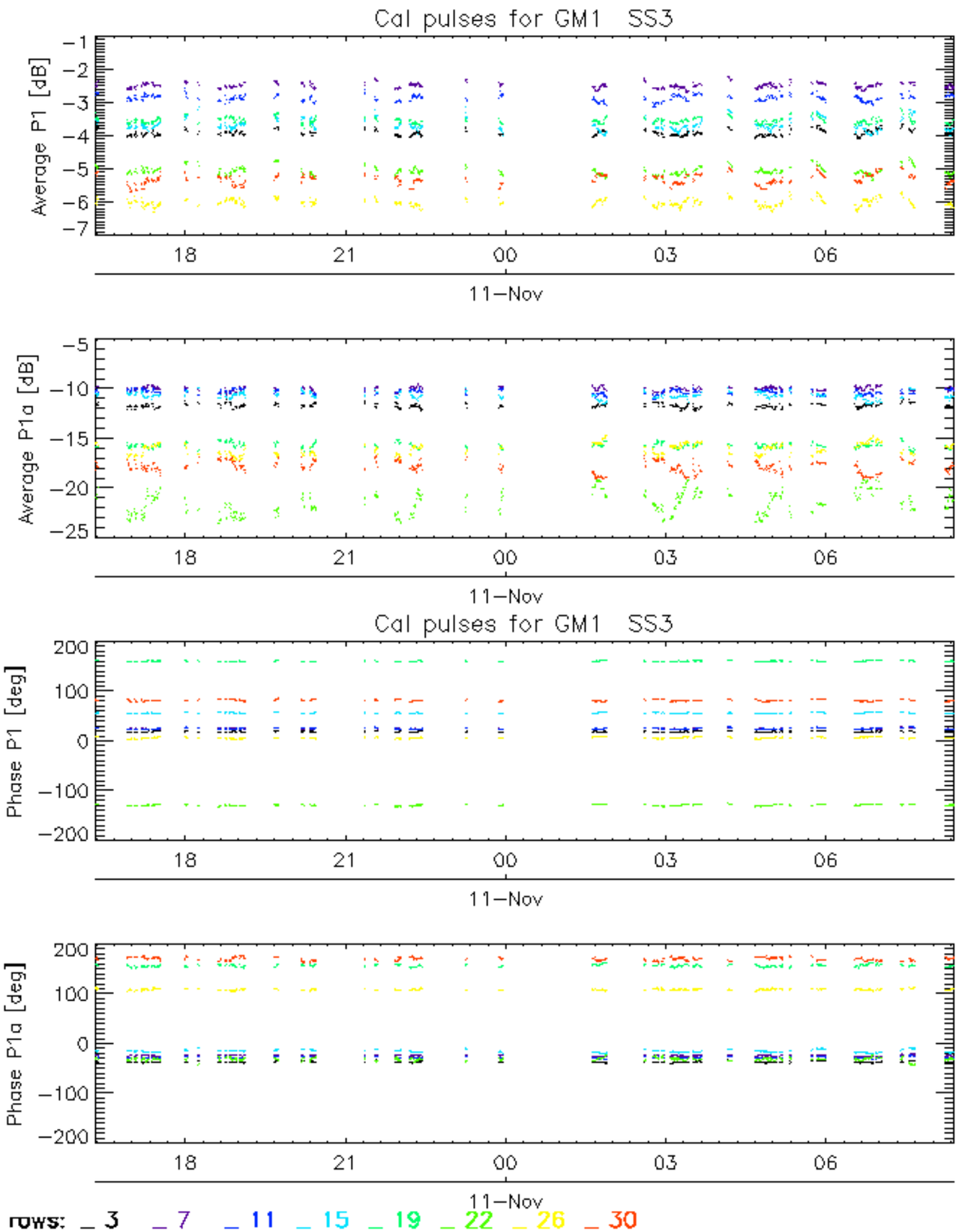
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
|  |
| Acsending |
|  |
| Descending |

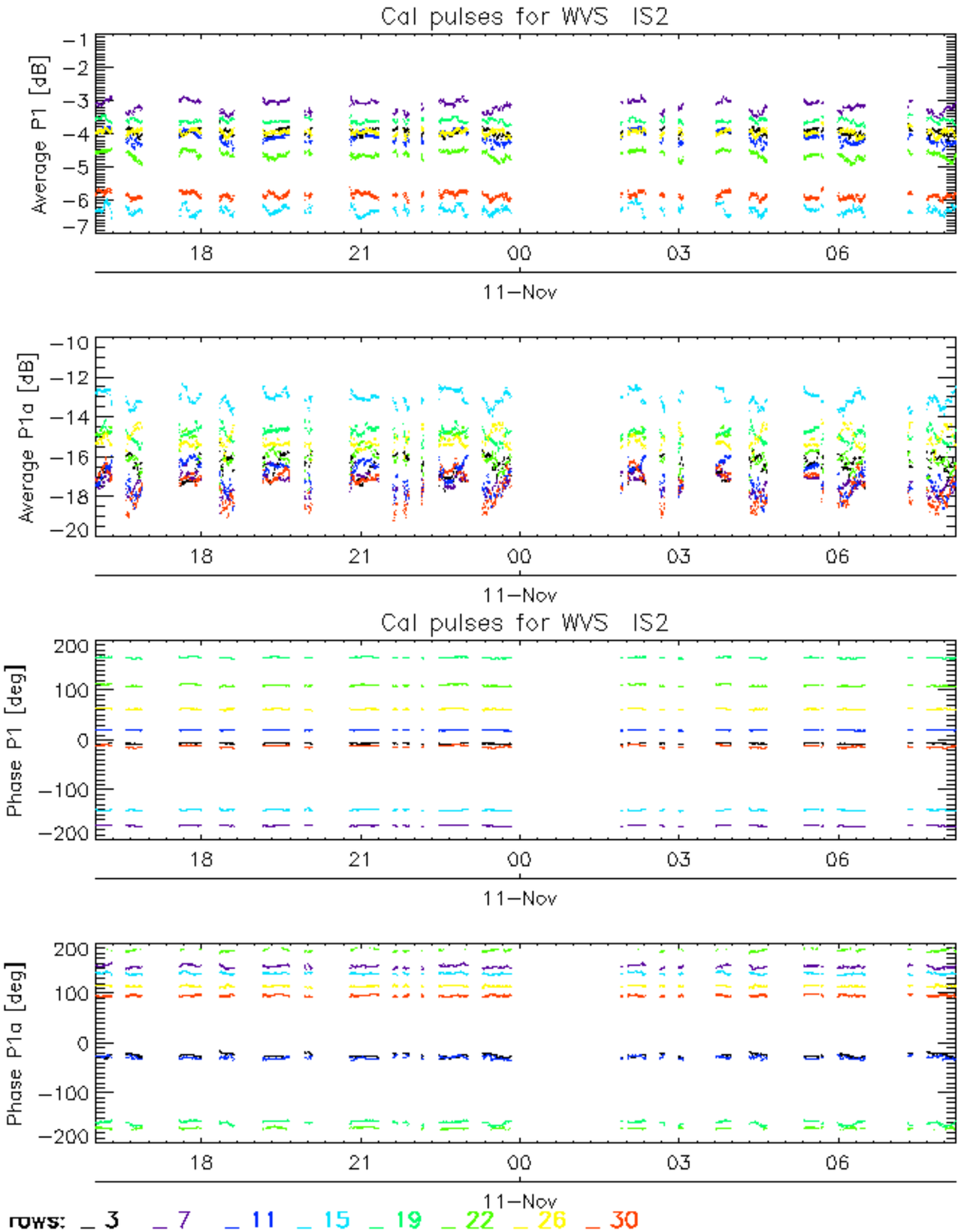
## 7.5 - Absolute Doppler for GM1

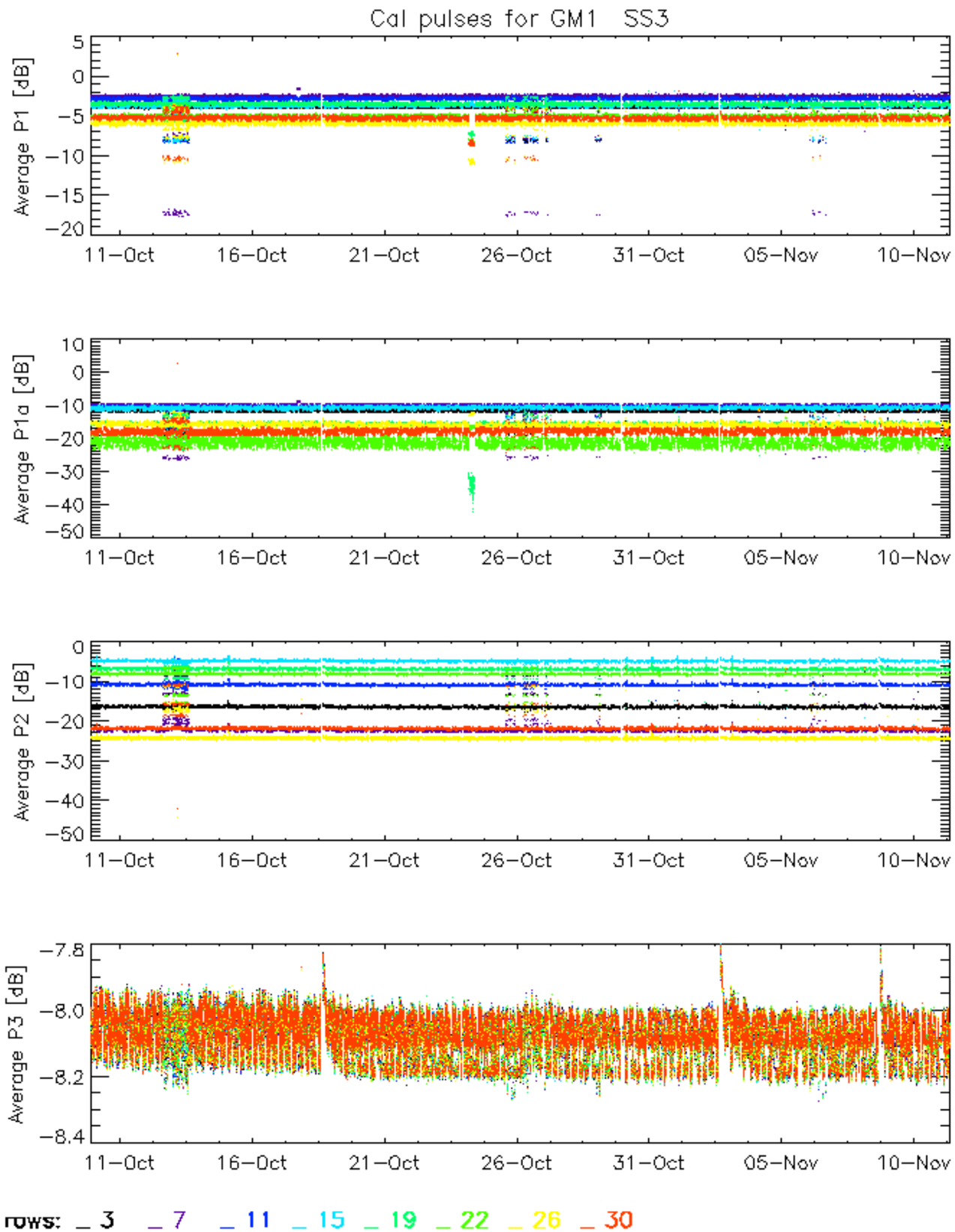
| Evolution of Absolute Doppler |
| --- |
|  |
| Acsending |
|  |
| Descending |

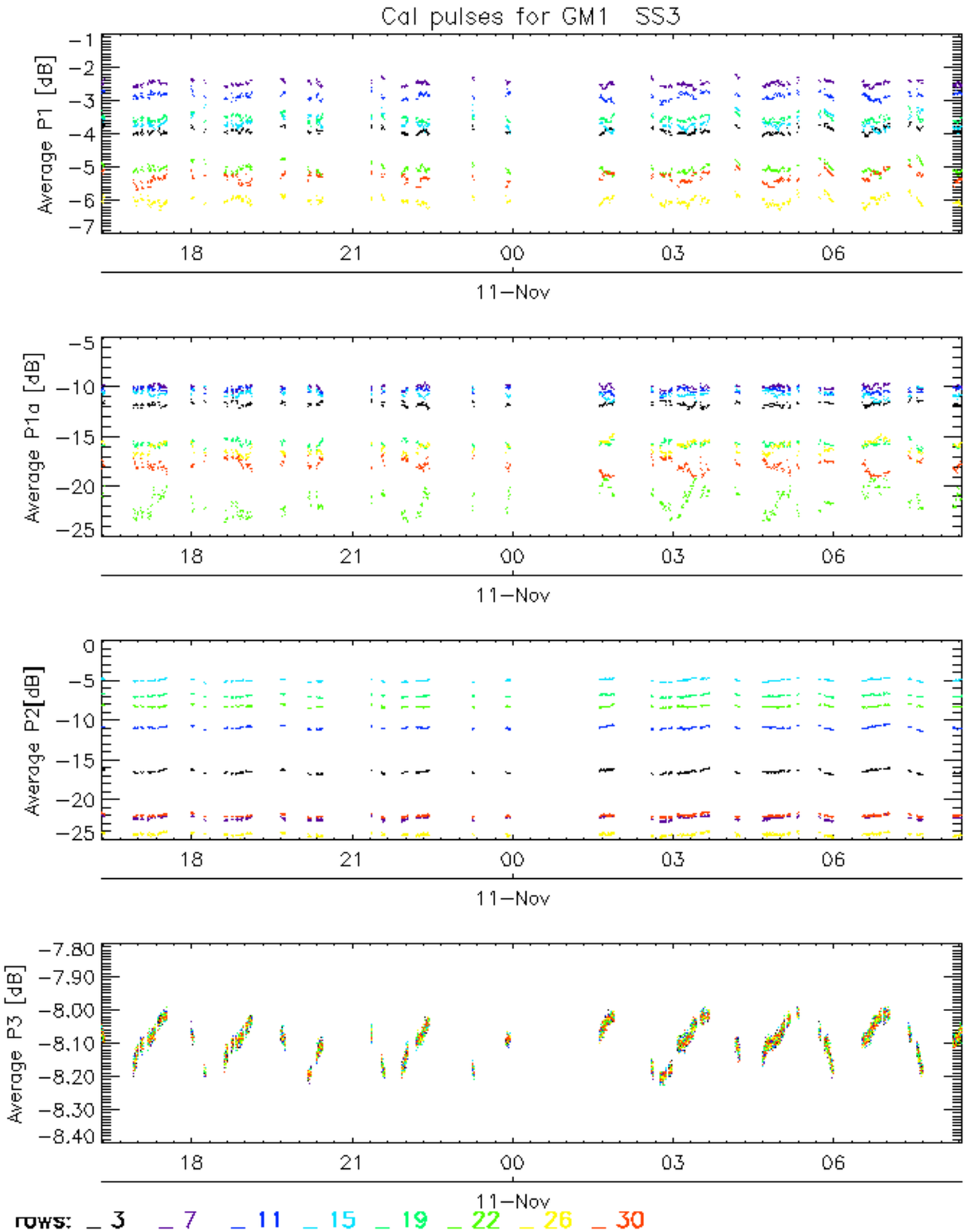
## 7.6 - Doppler evolution versus ANX for GM1

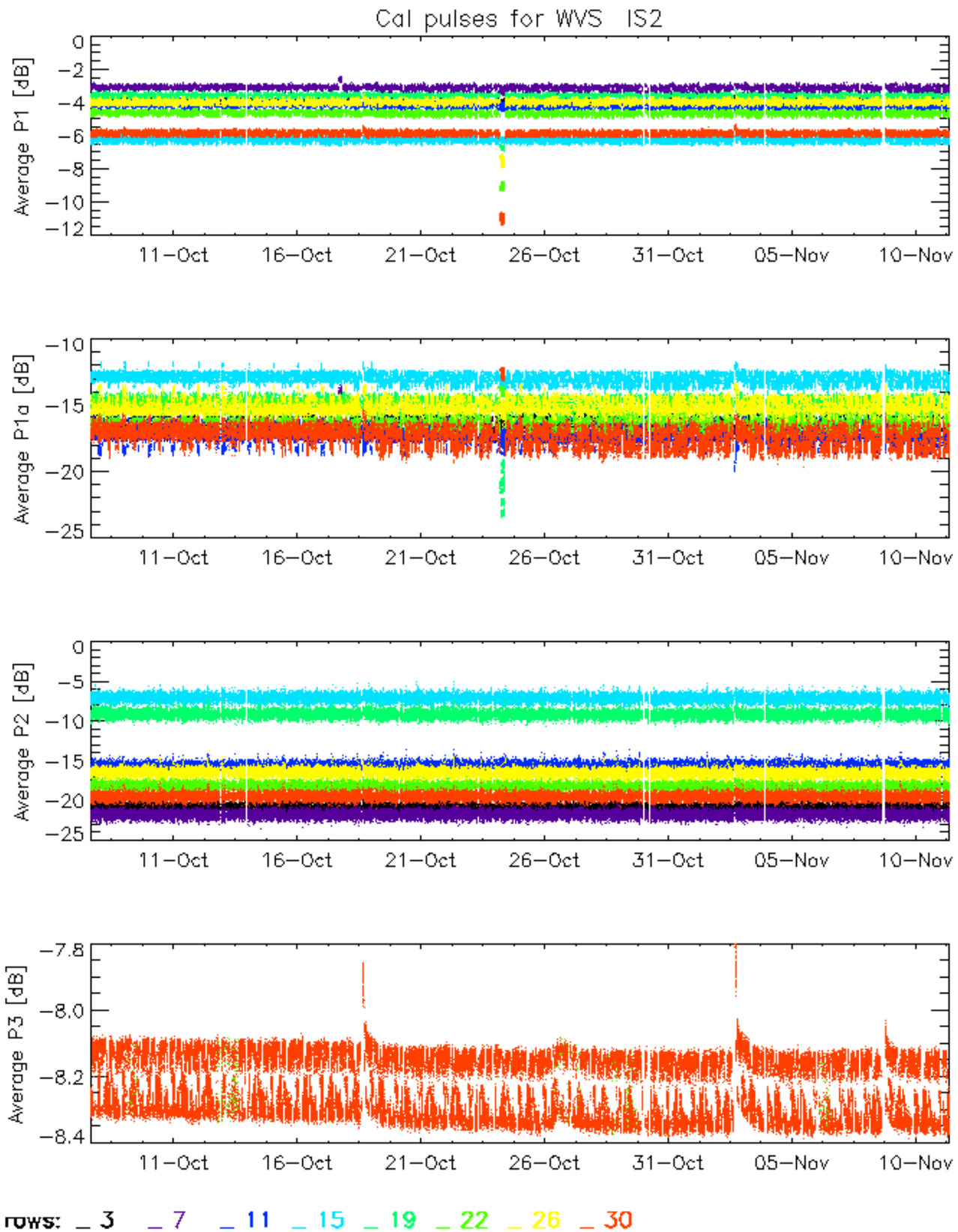
| Evolution Doppler error versus ANX |
| --- |
|  |

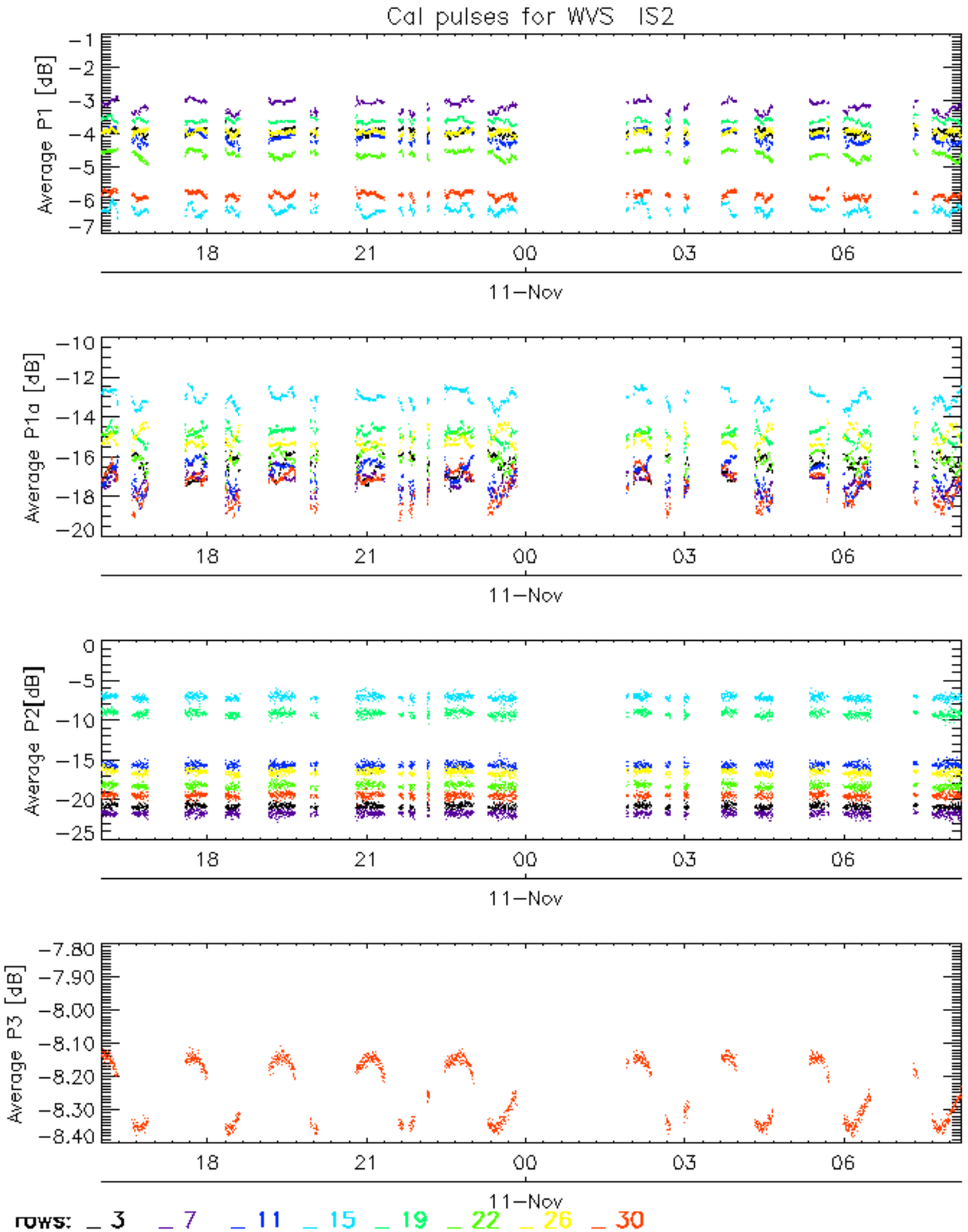

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
11−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
11−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
11−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
11−Nov
rows: _ 3 _ 7 _ 11 _ 15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


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

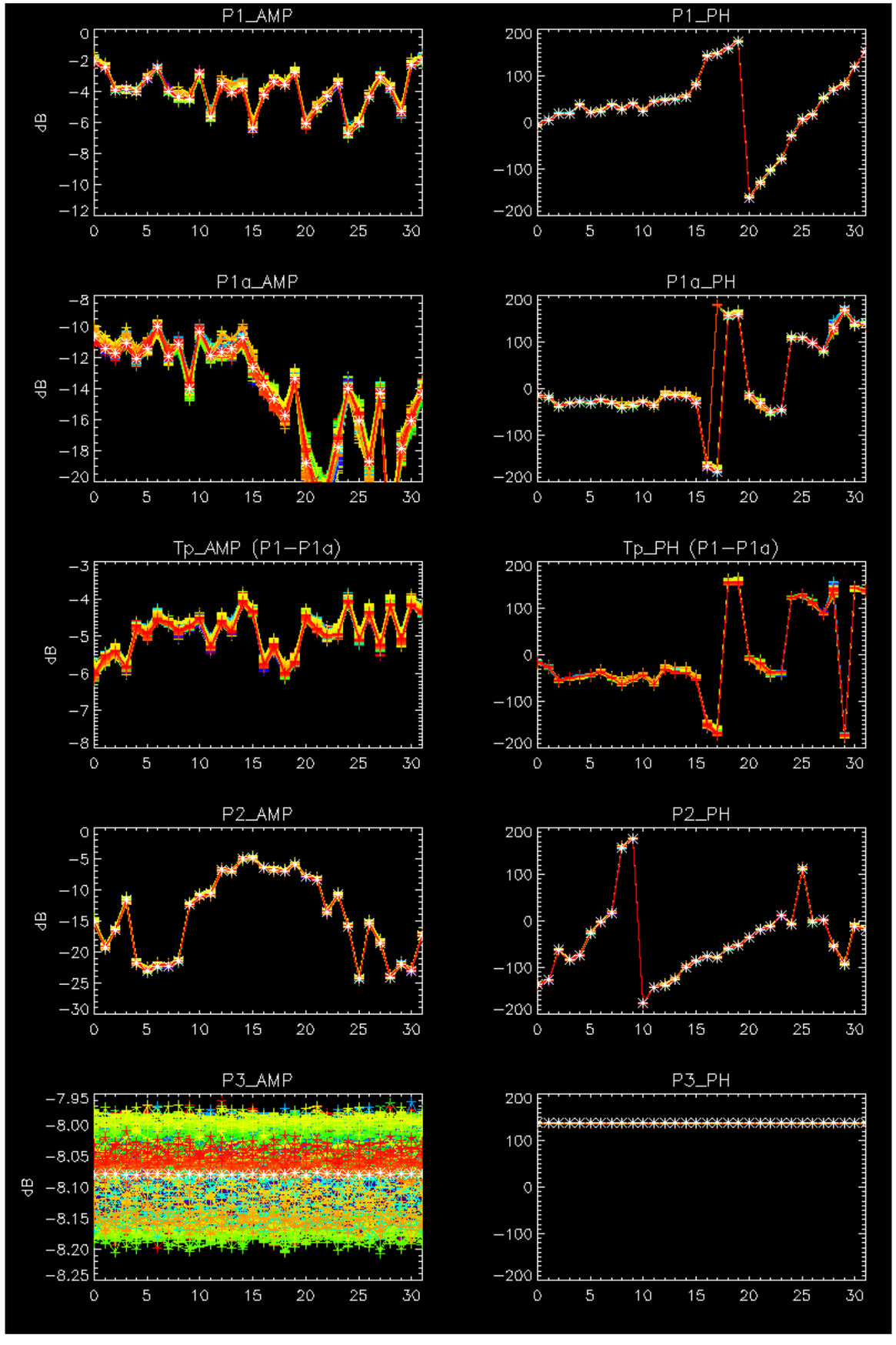

Cal pulses for GM1 SS3
Average P1 [dB]
5
0
−5
−10
−15
−20
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov
Average P1a [dB]
10
0
−10
−20
−30
−40
−50
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

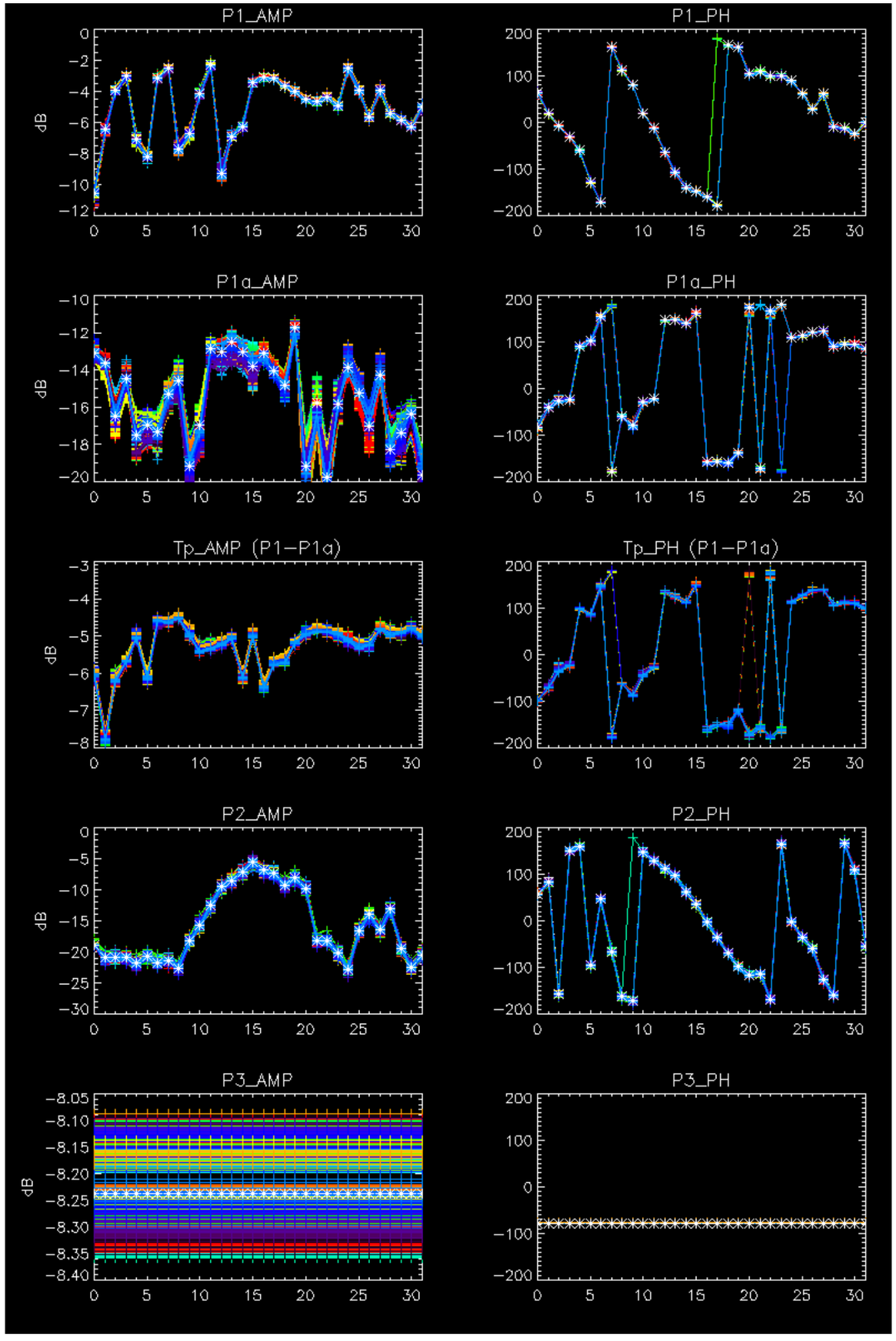

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
11−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
11−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
11−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
11−Nov
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−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]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
11−Nov
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
11−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
11−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
11−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

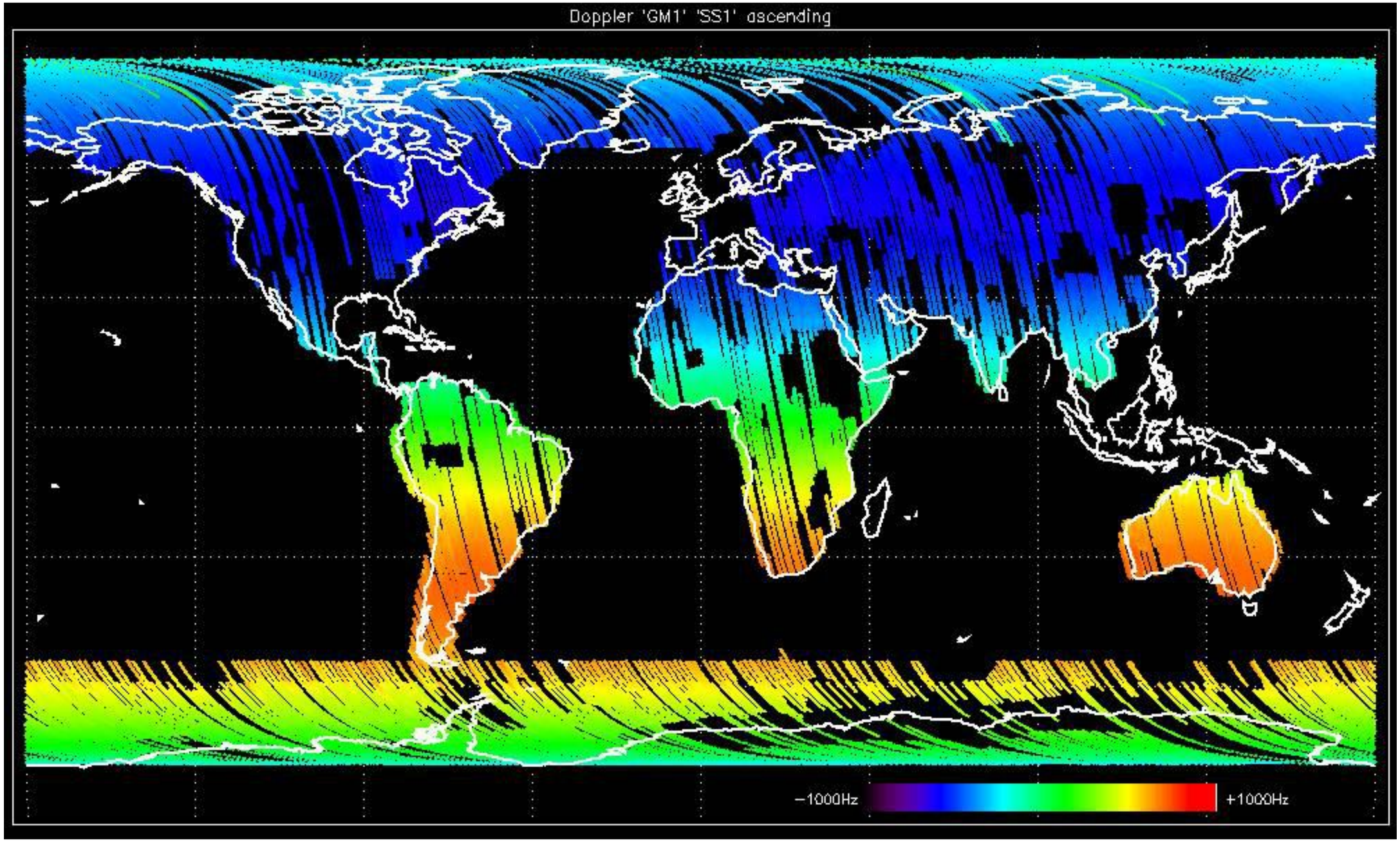
No anomalies observed.

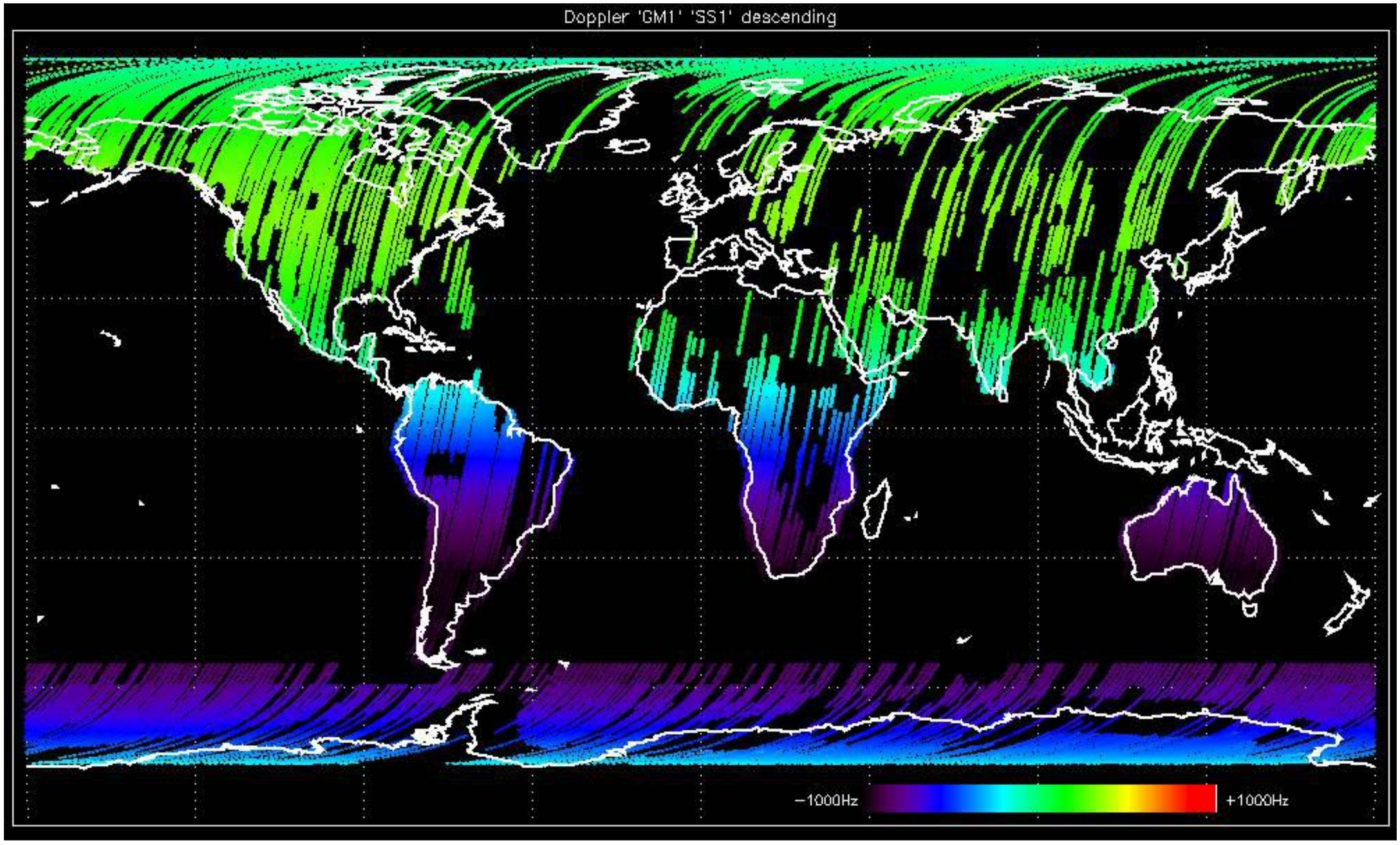

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

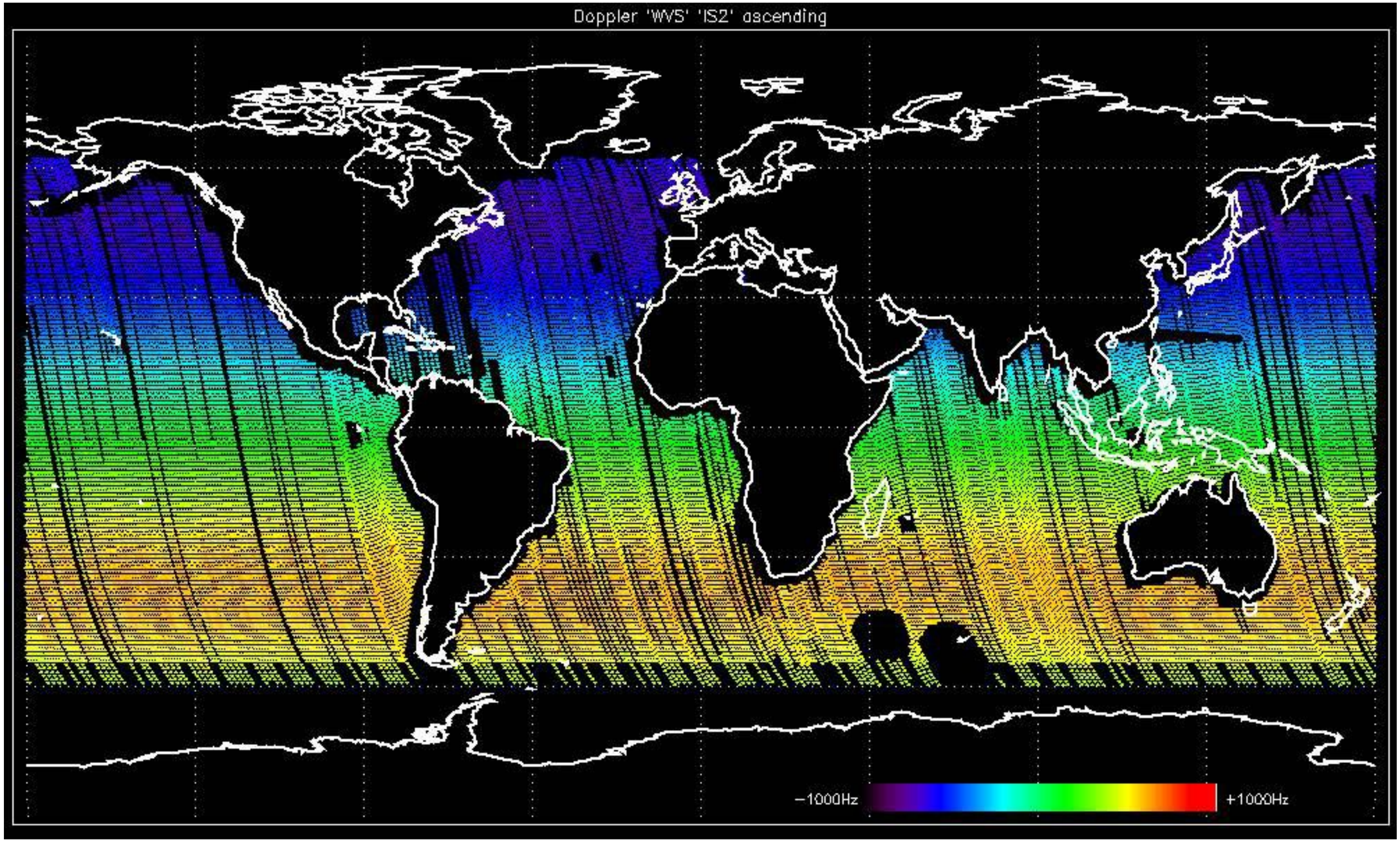

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

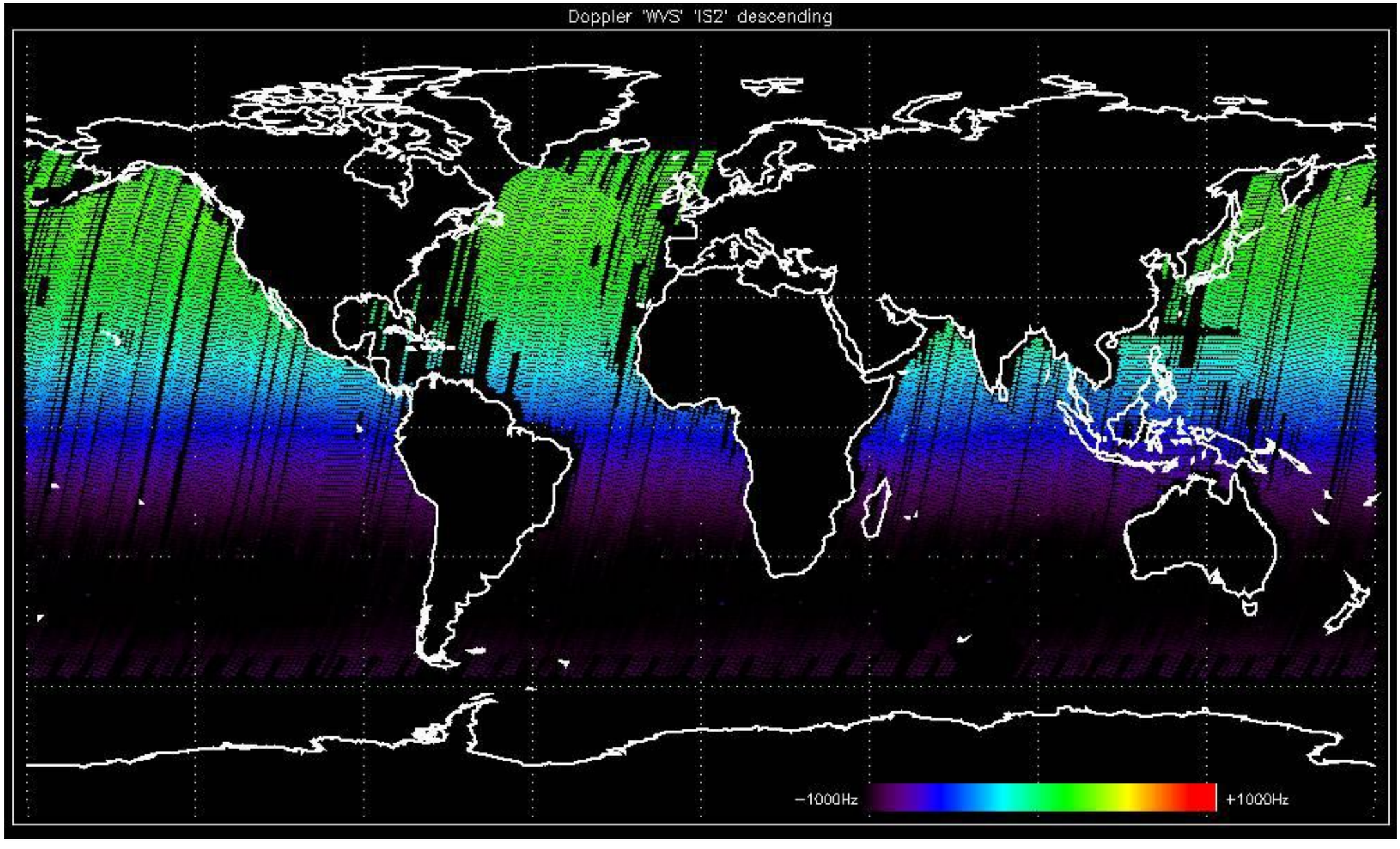
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

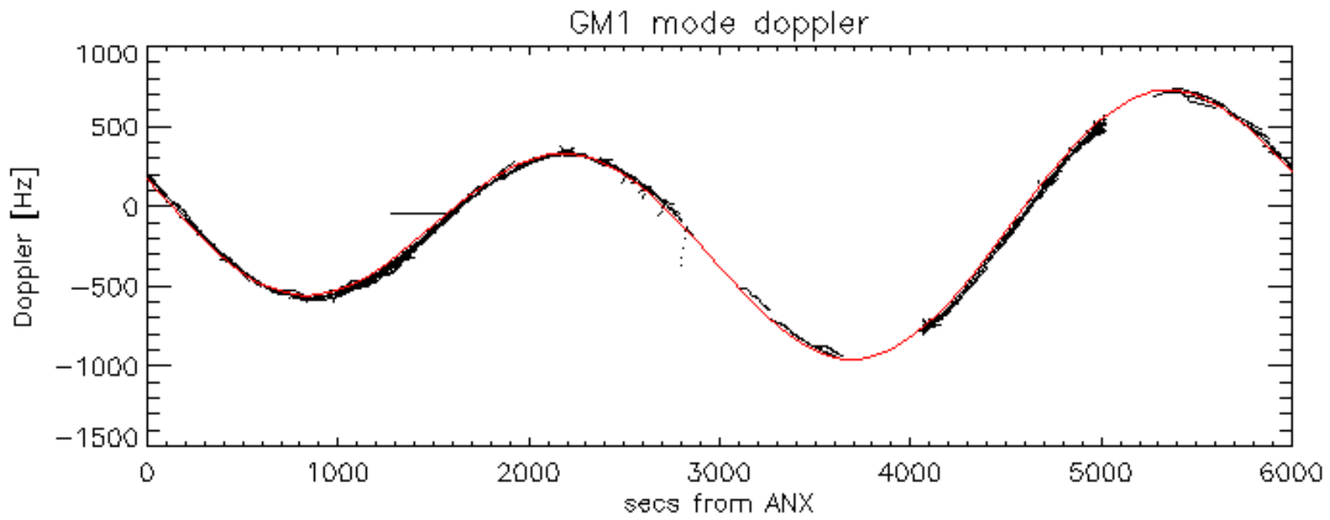
Preliminary report.The data is not yet controled

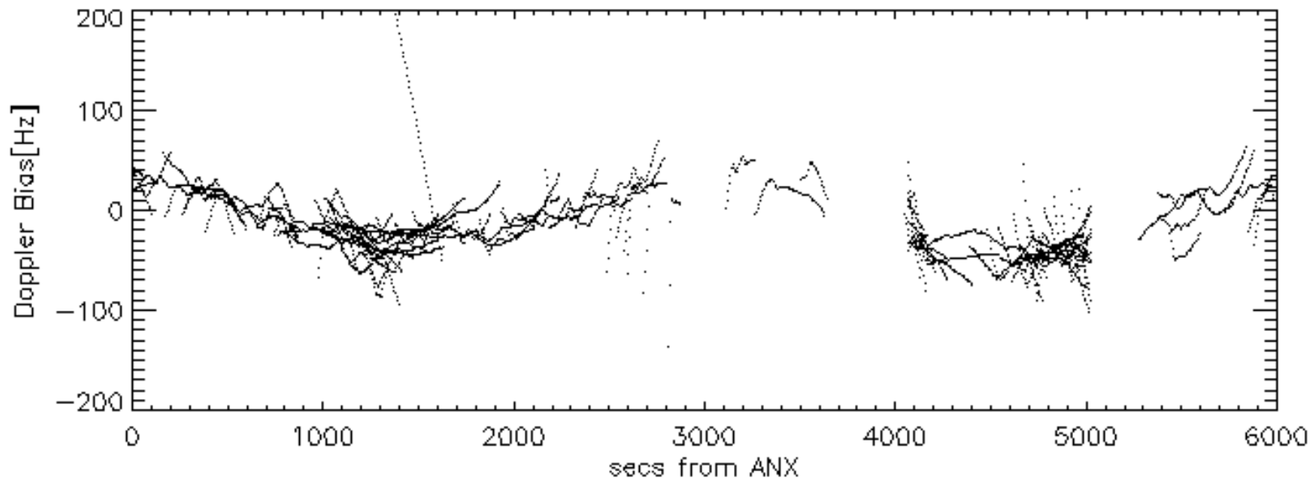

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

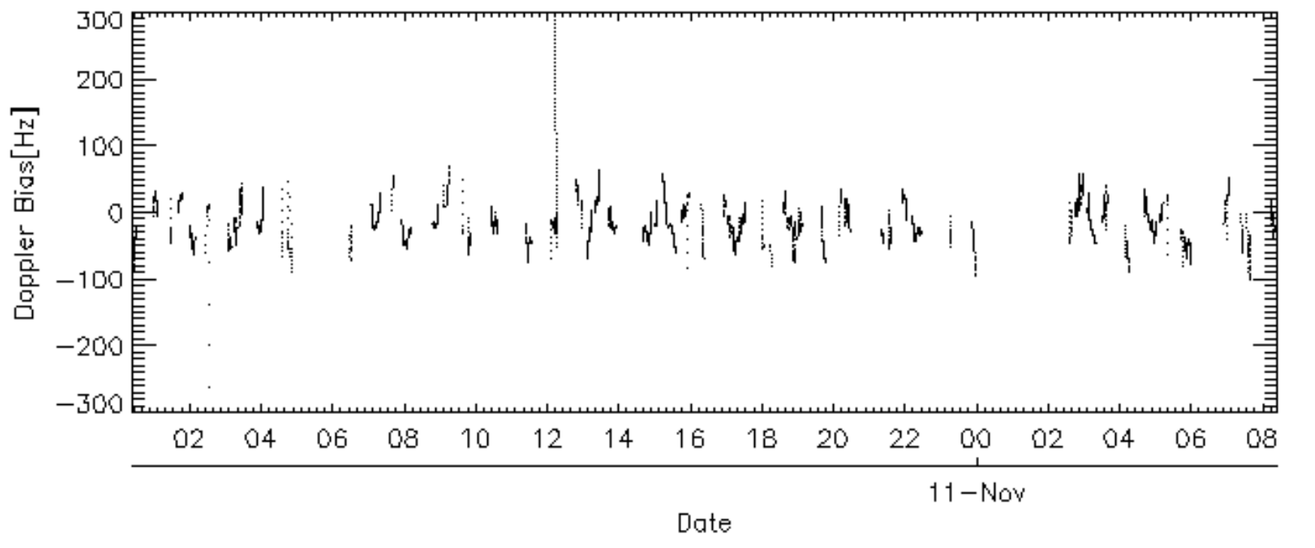

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

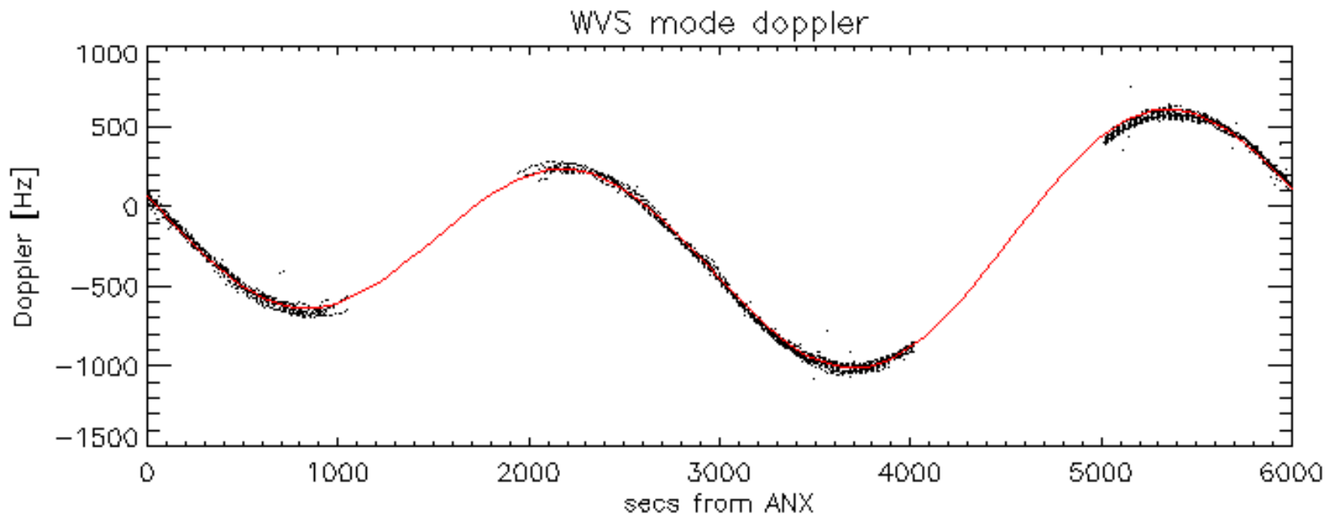

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

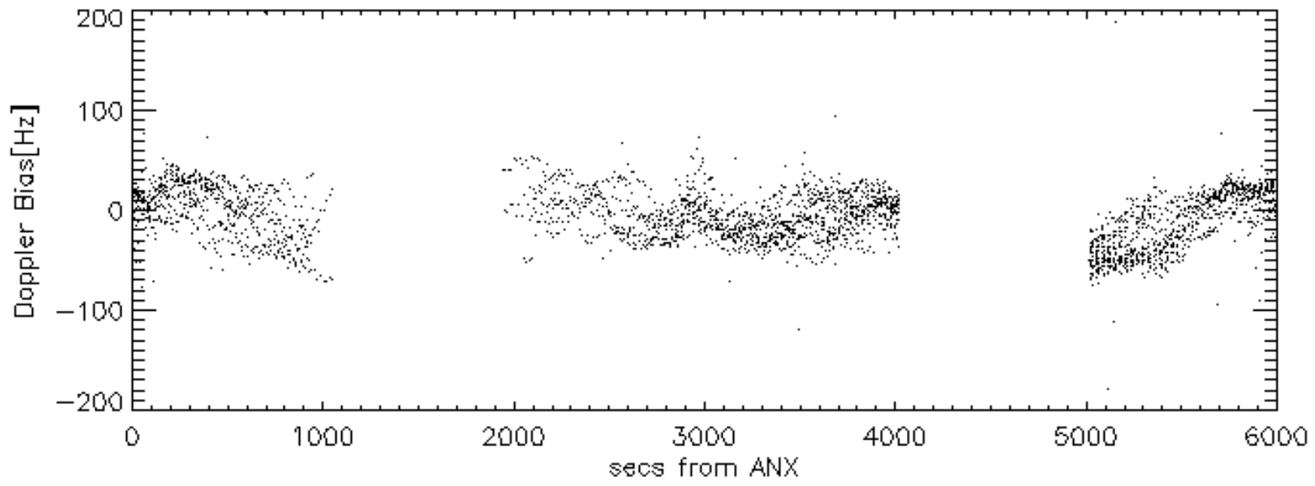

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

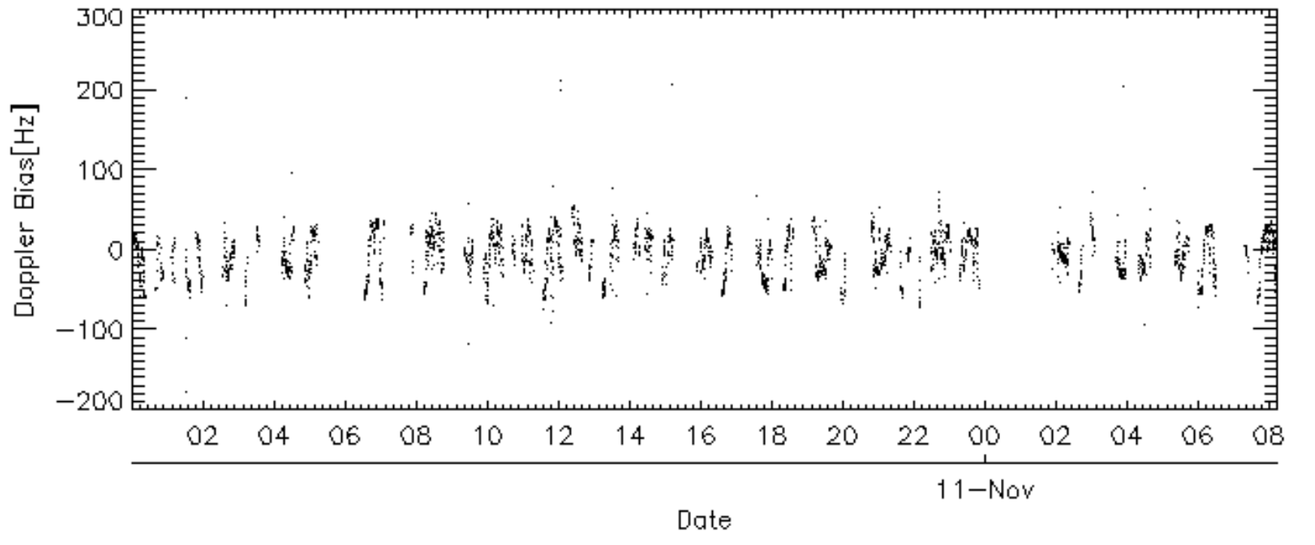

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

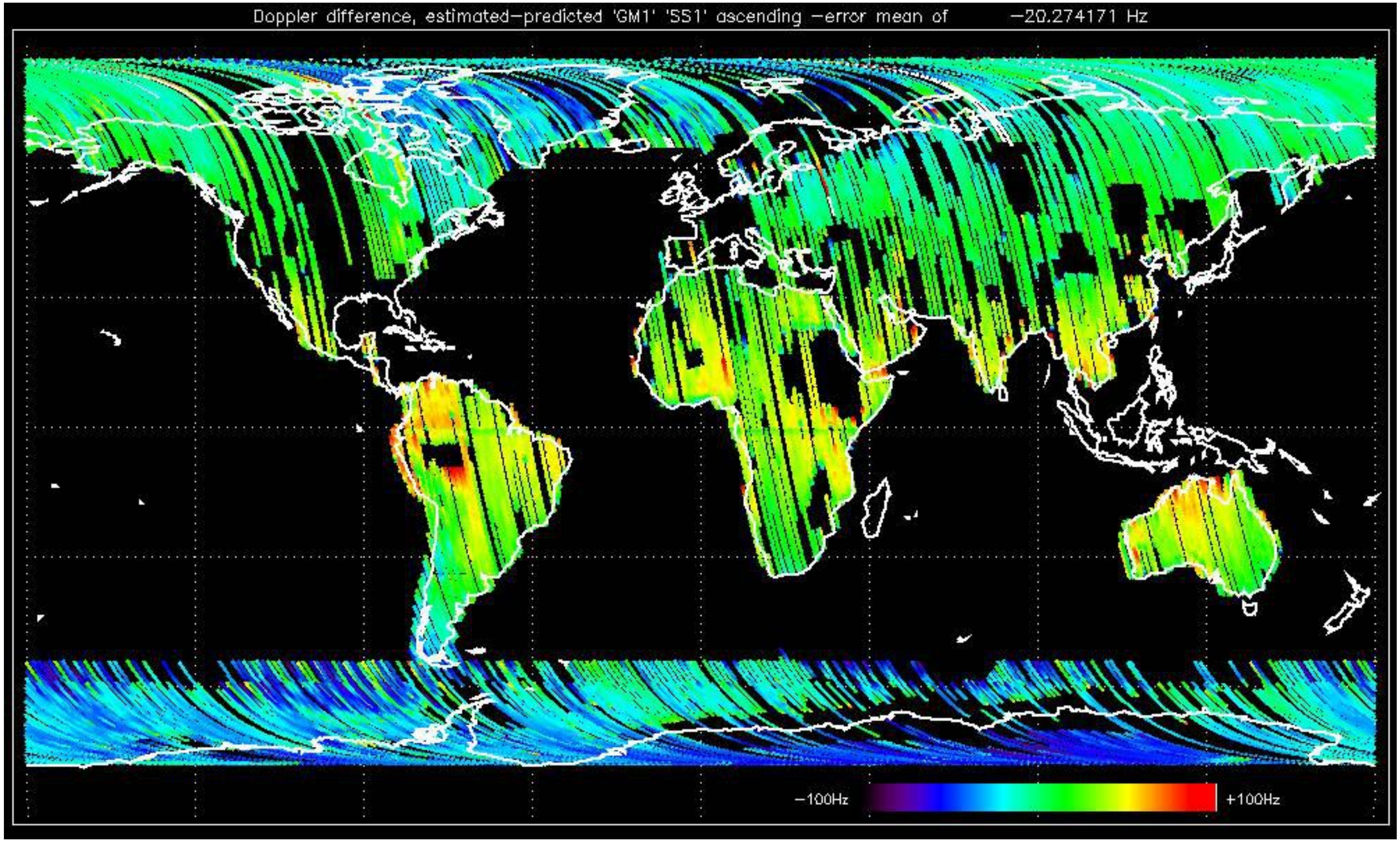

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

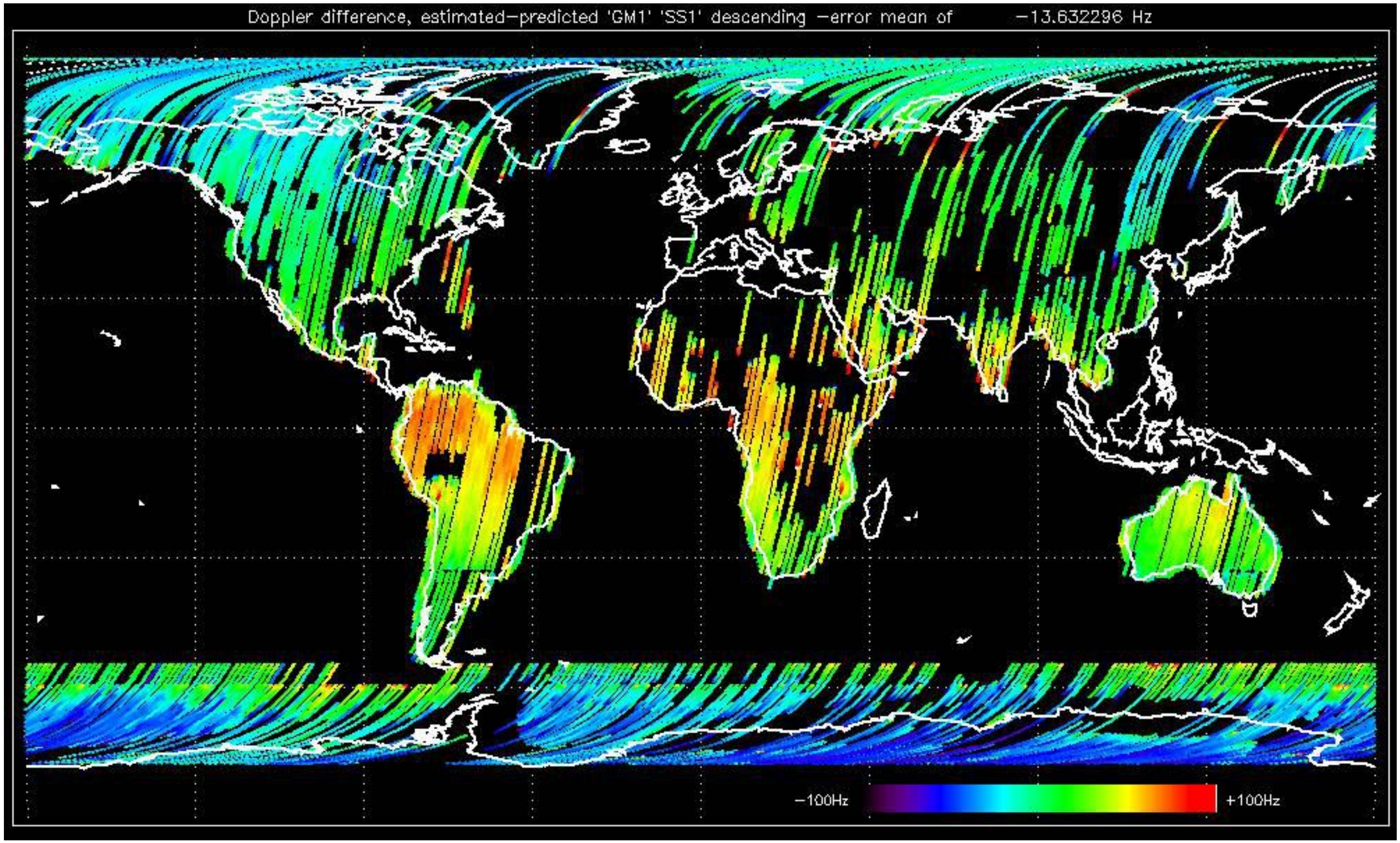

Doppler Bias[Hz]
300
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
11−Nov
Date

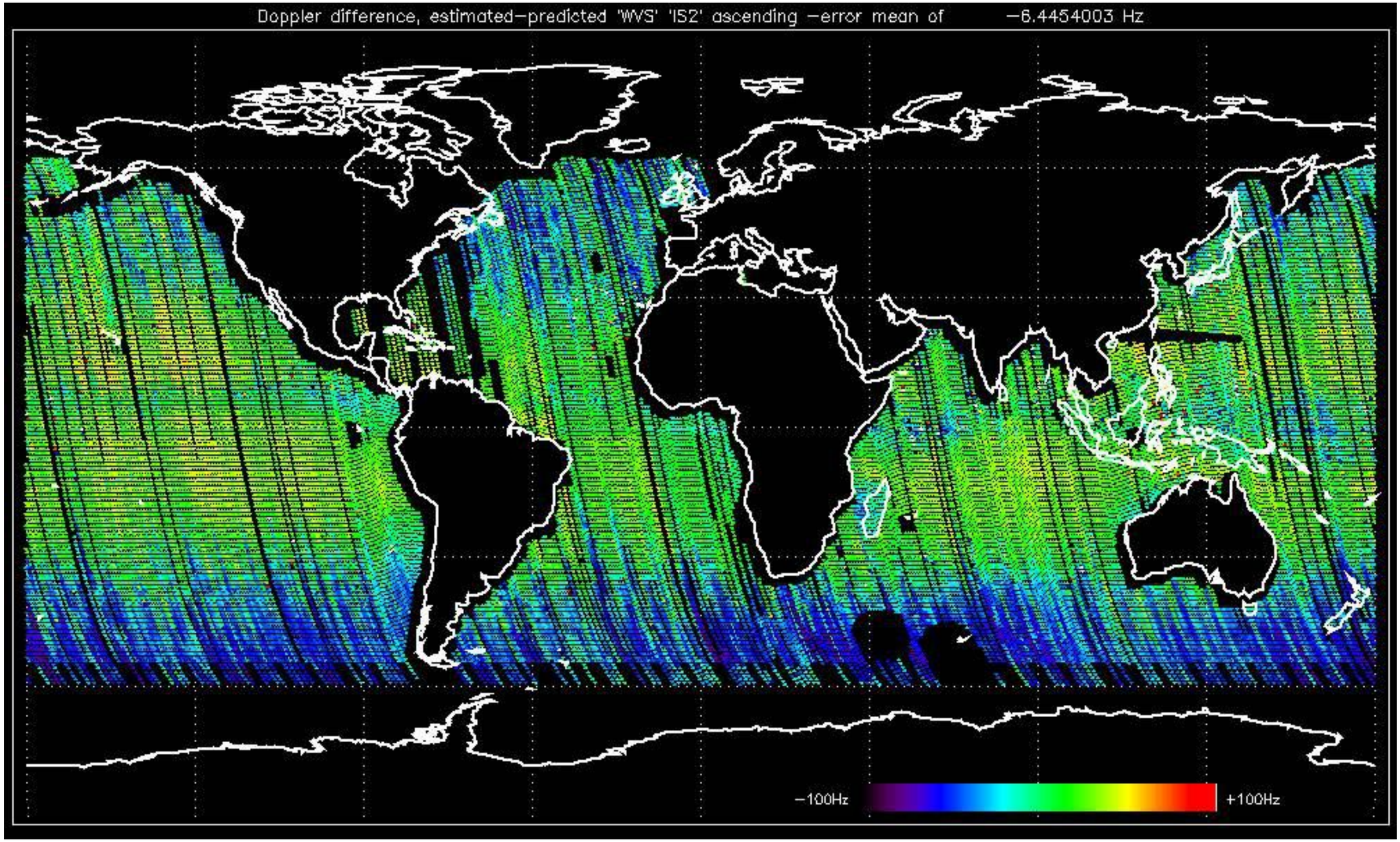

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

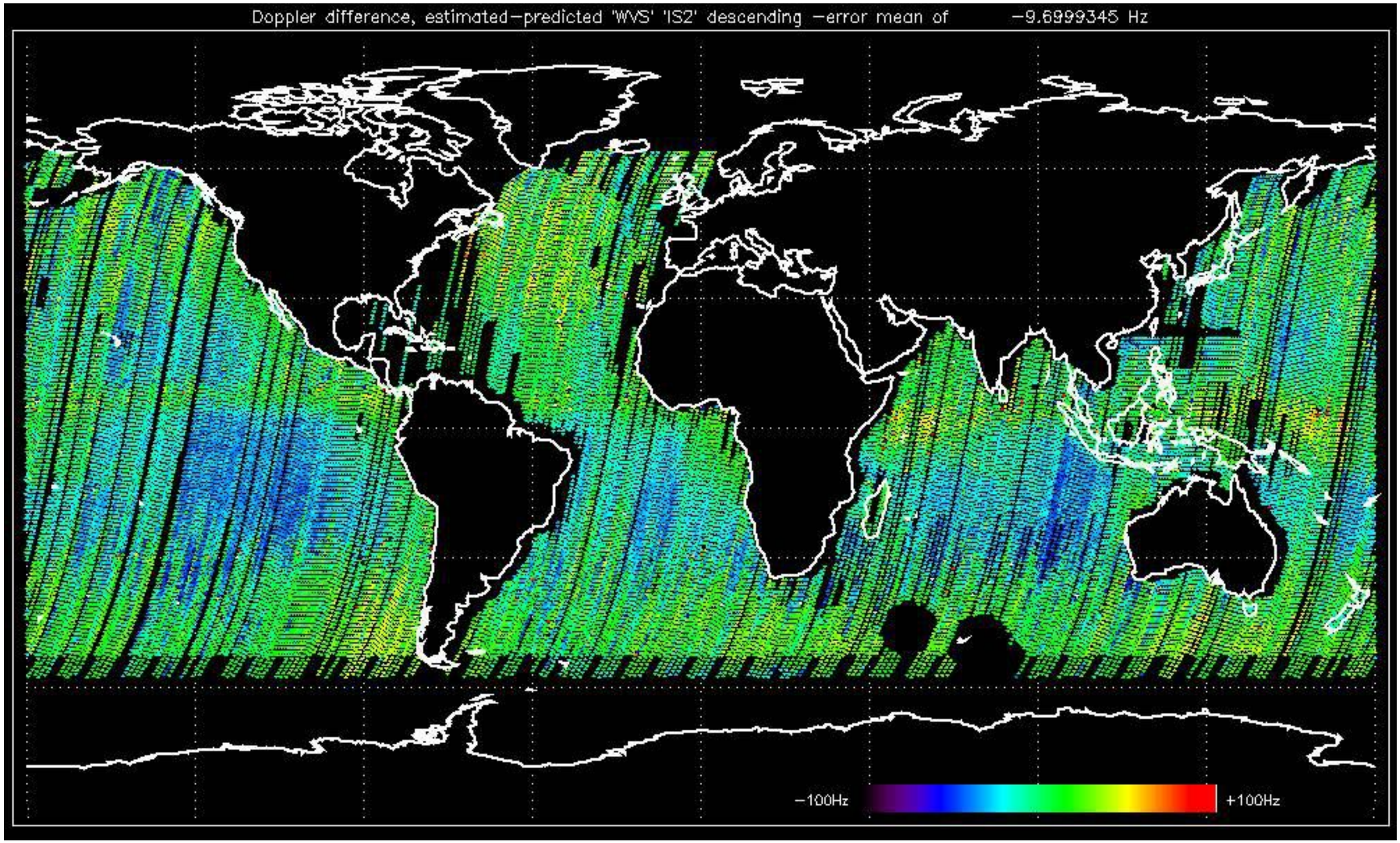

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.274171 Hz
−100Hz
+100Hz

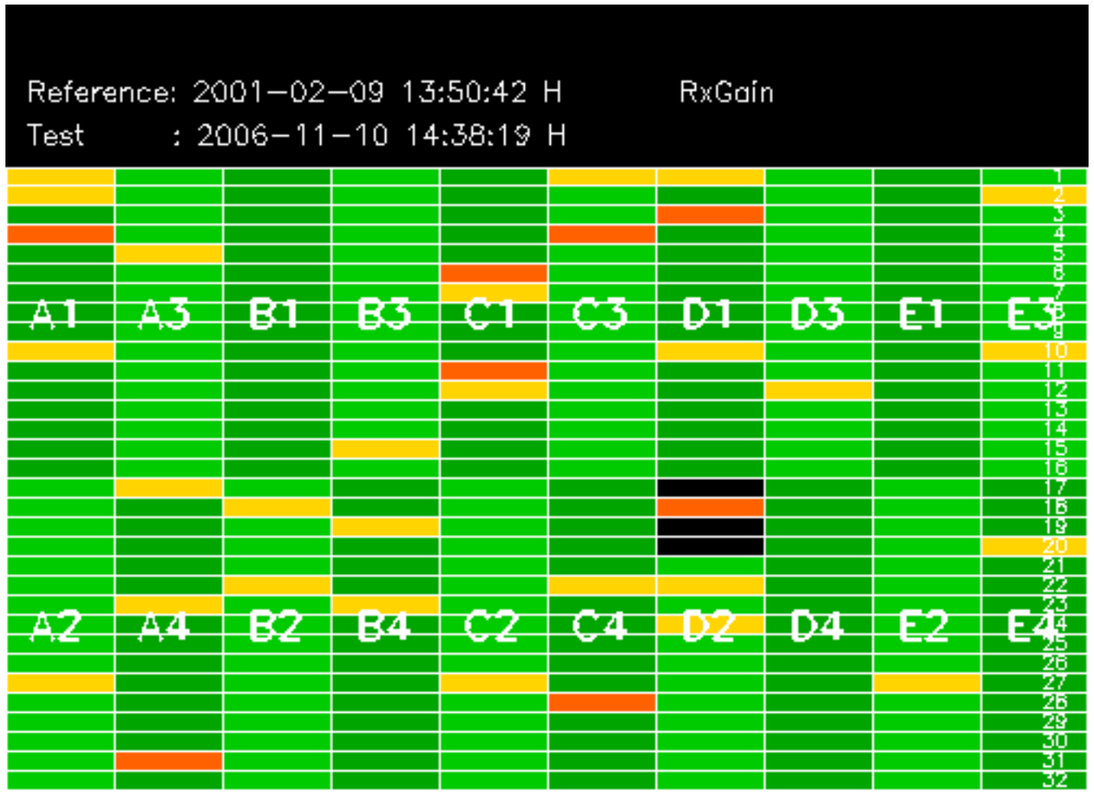

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.632296 Hz
−100Hz
+100Hz

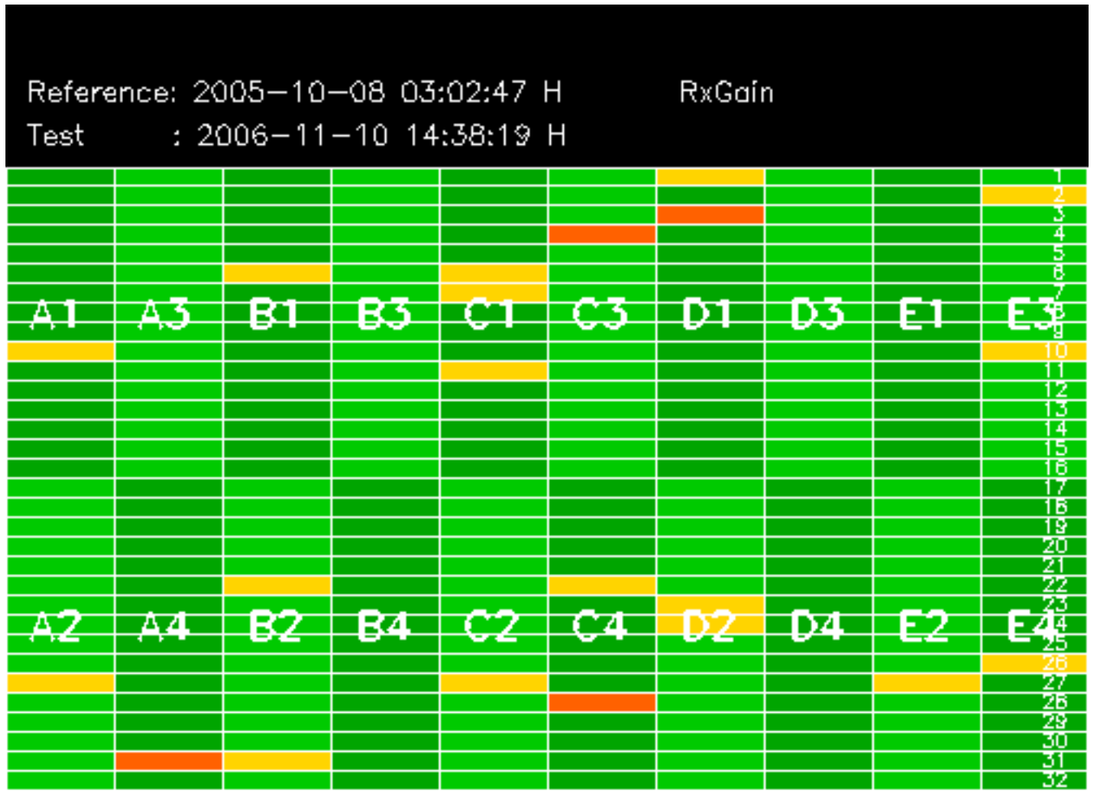

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.4454003 Hz
−100Hz
+100Hz

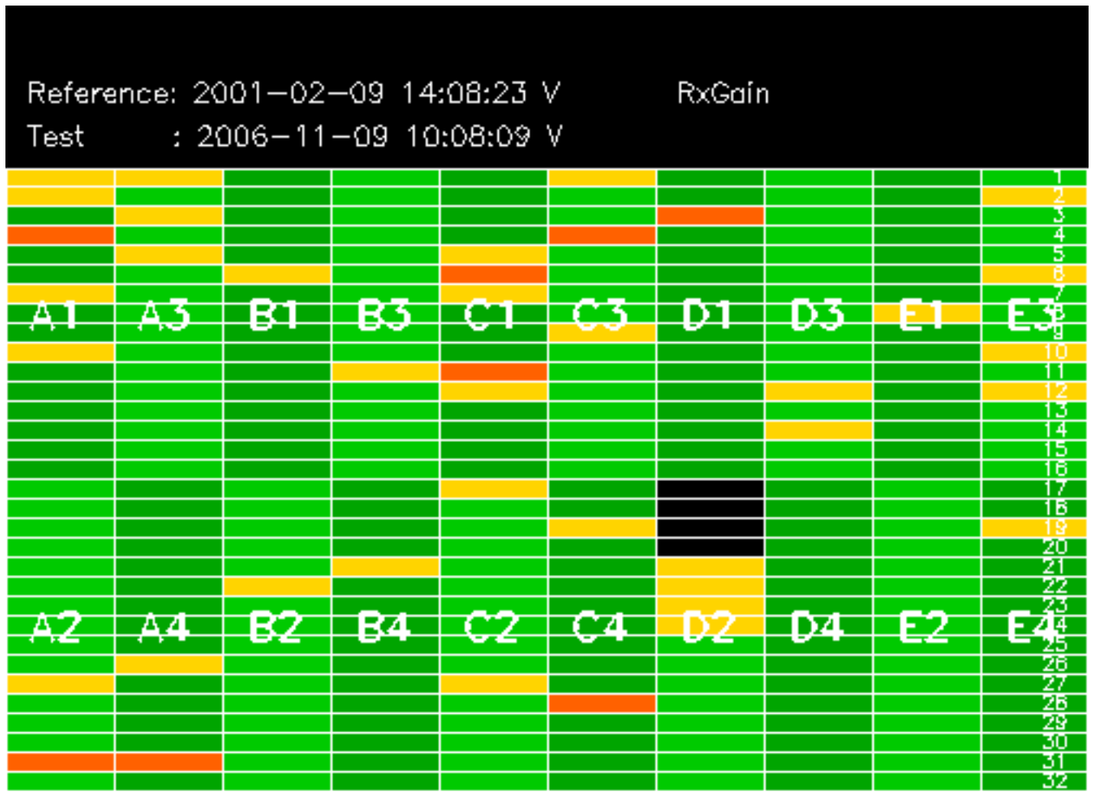

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.6999345 Hz
−100Hz
+100Hz

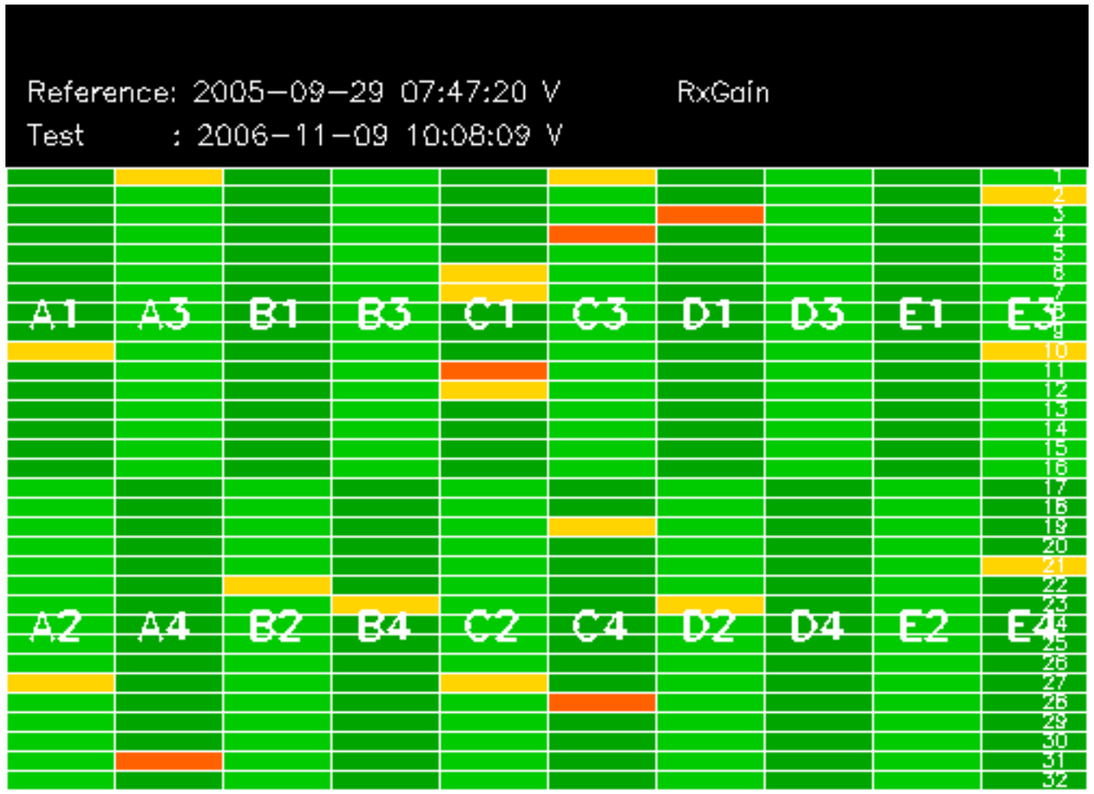
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-10 14:38:19 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 : 2006-11-10 14:38:19 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 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 : 2006-11-09 10:08:09 V
RxGain
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
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7
8
9
10
11
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13
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15
16
17
18
19
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22
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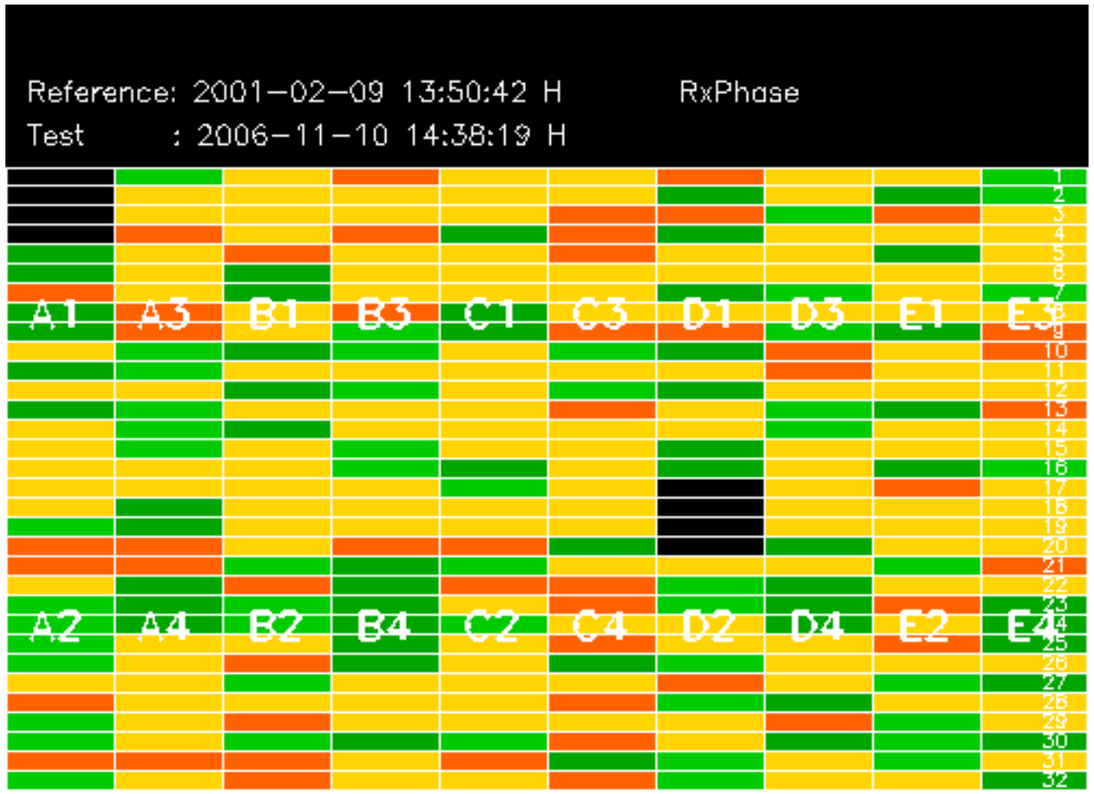
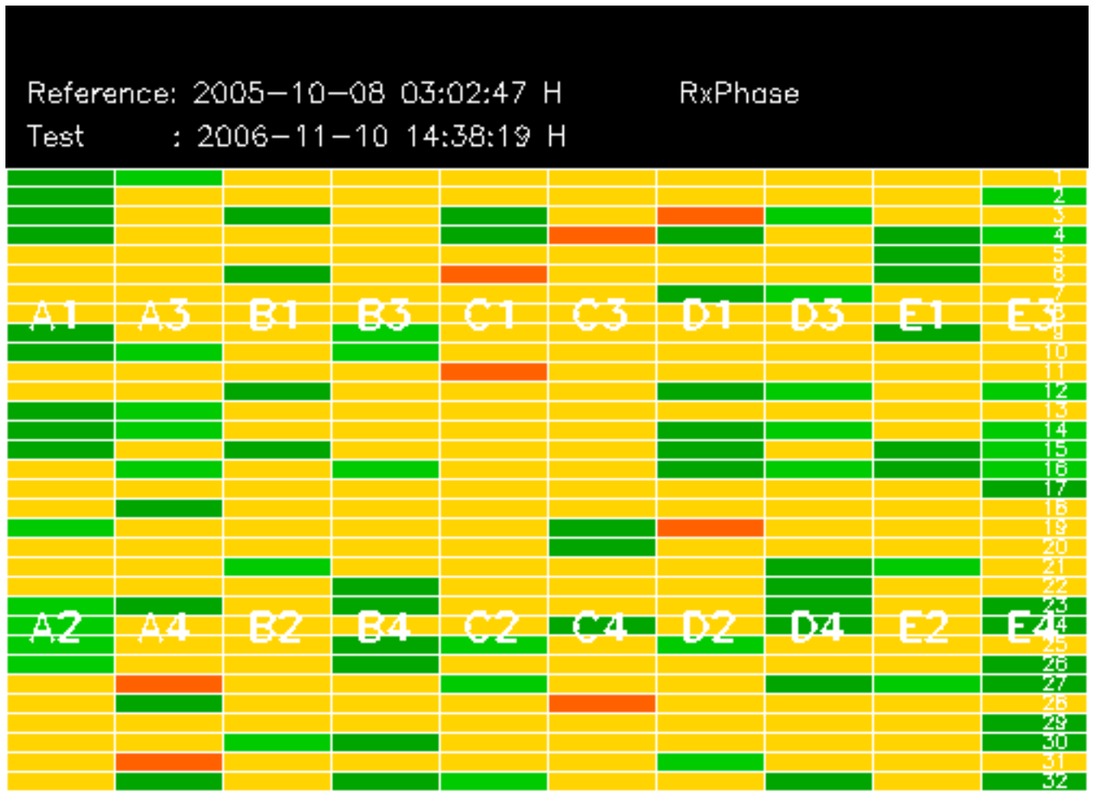
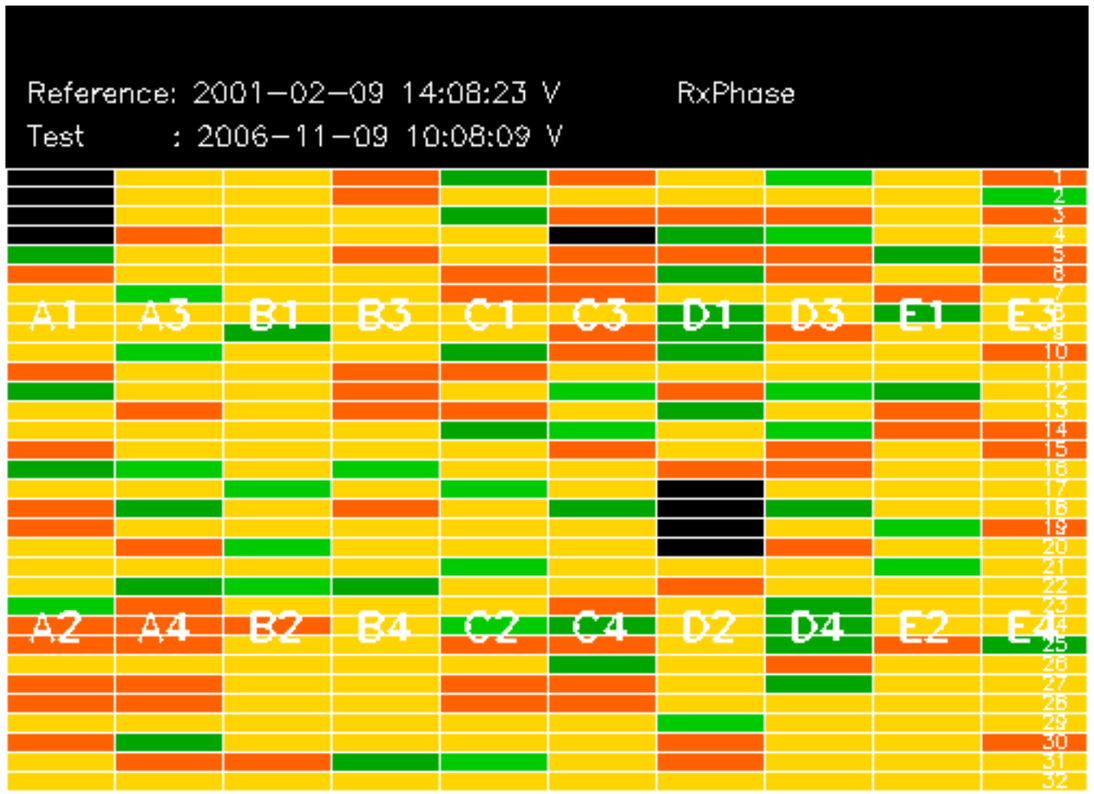
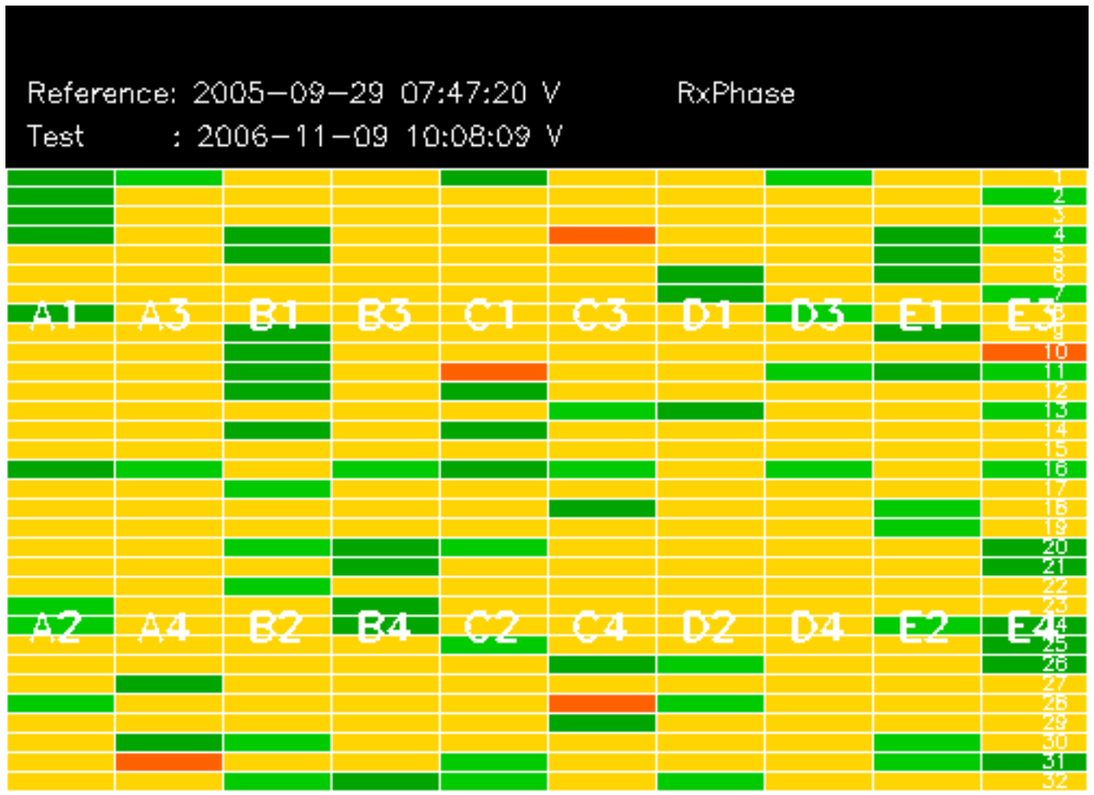
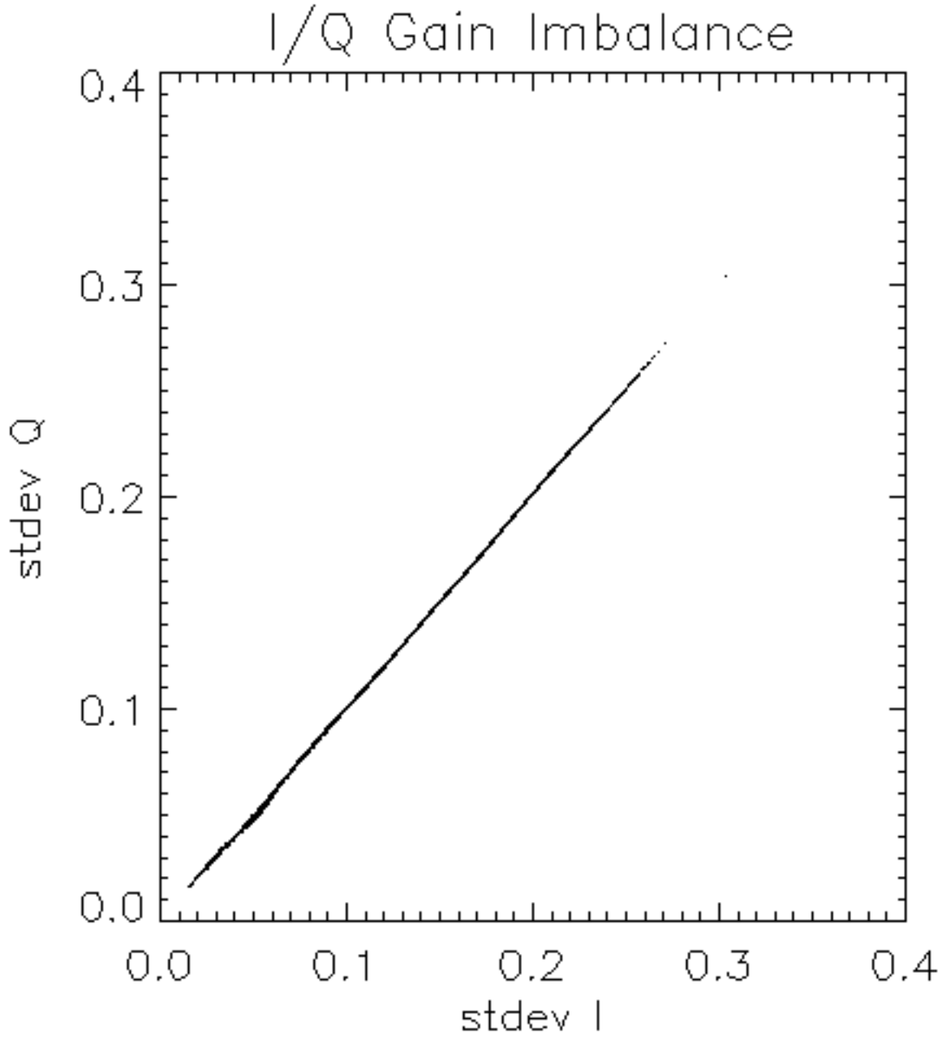
30
31
32

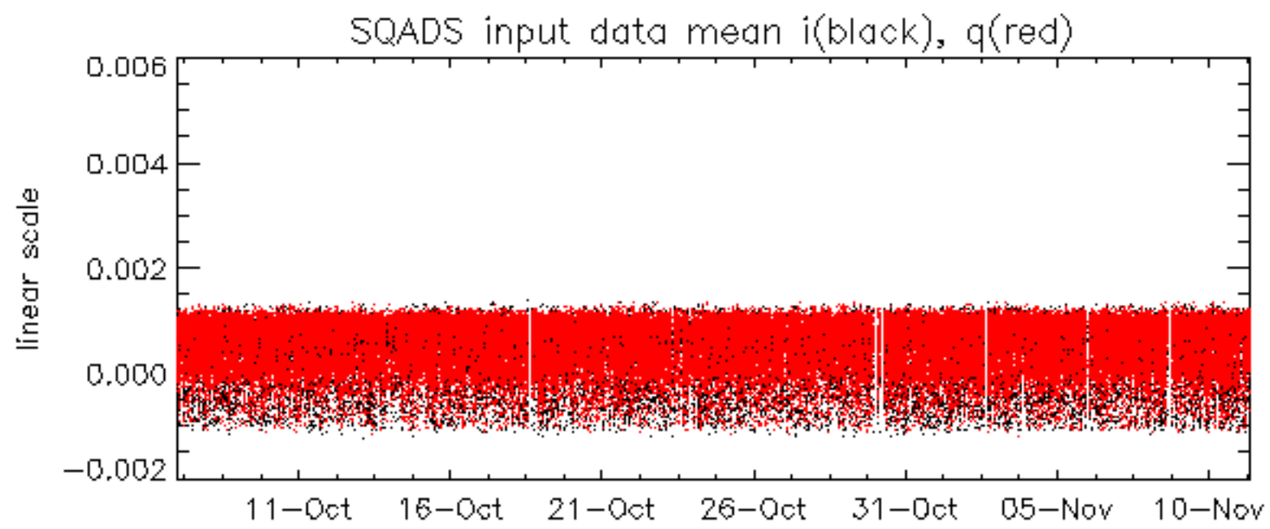

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-10 14:38:19 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

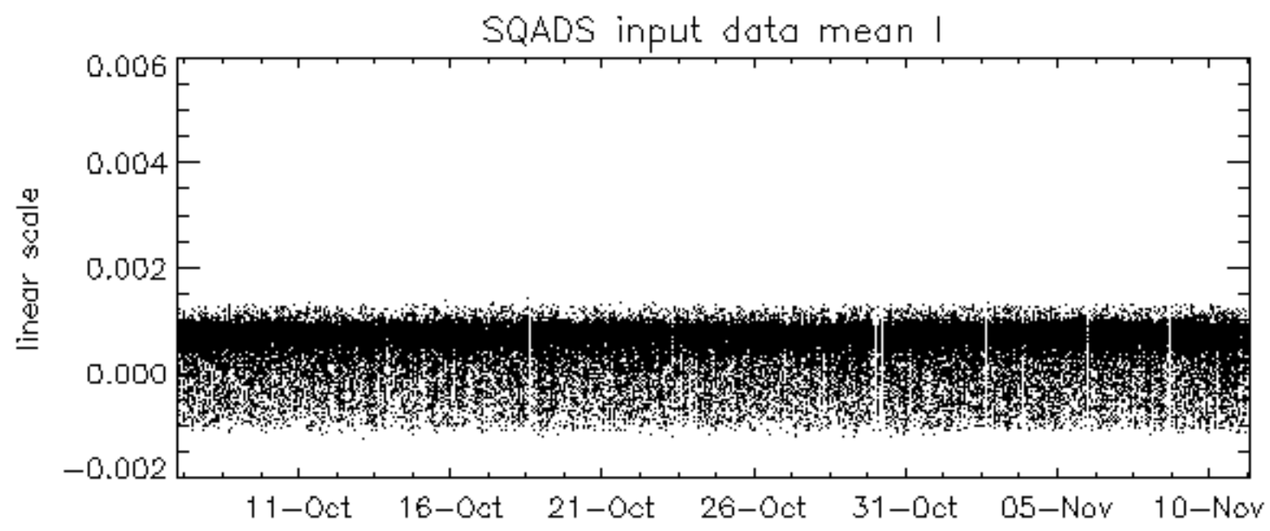

Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-10 14:38:19 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

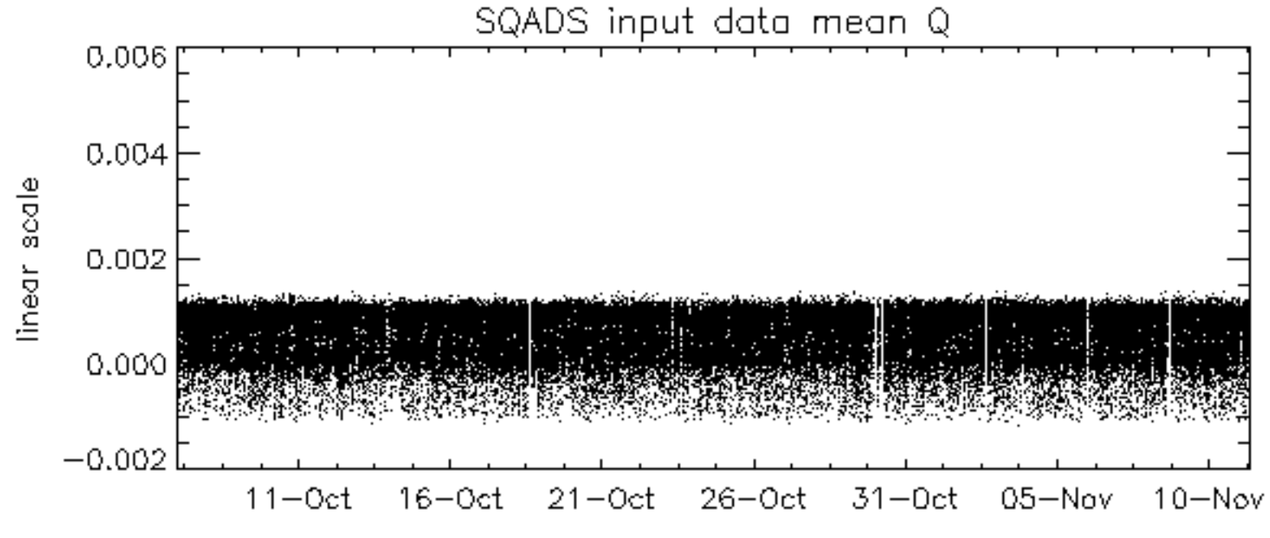

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

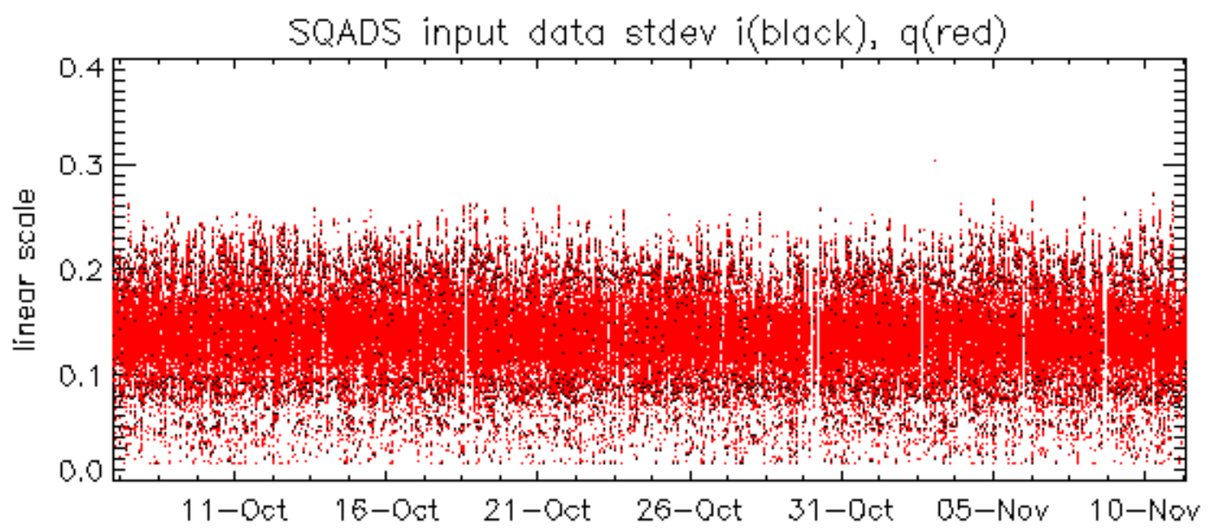

Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

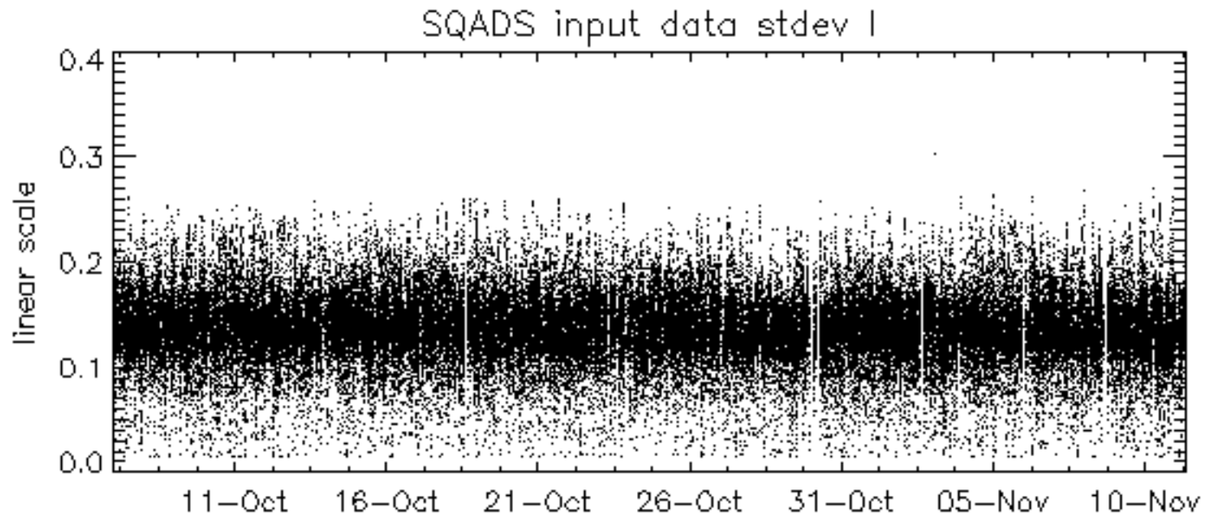

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

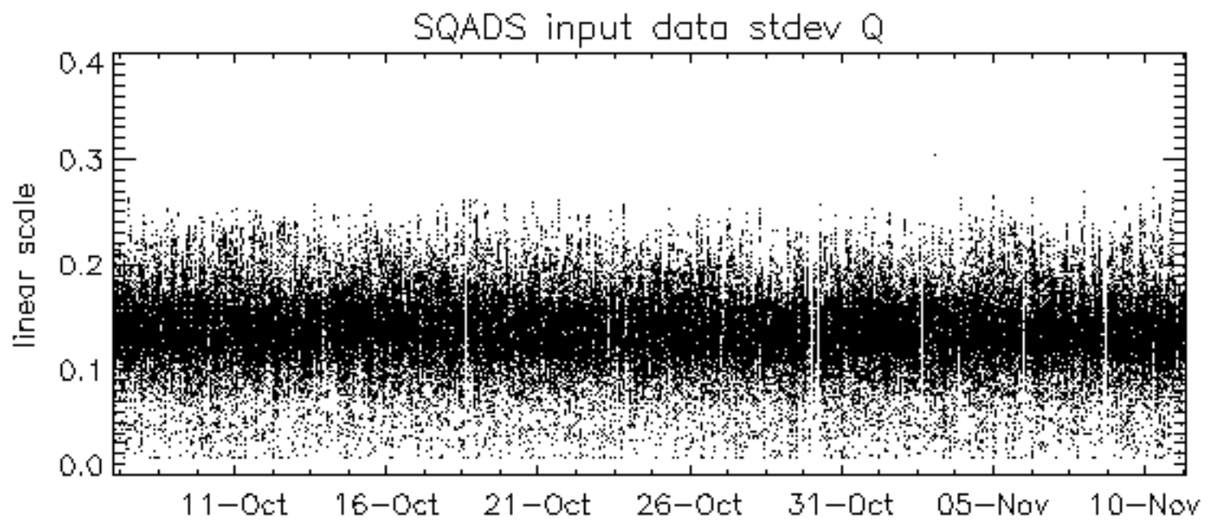

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov

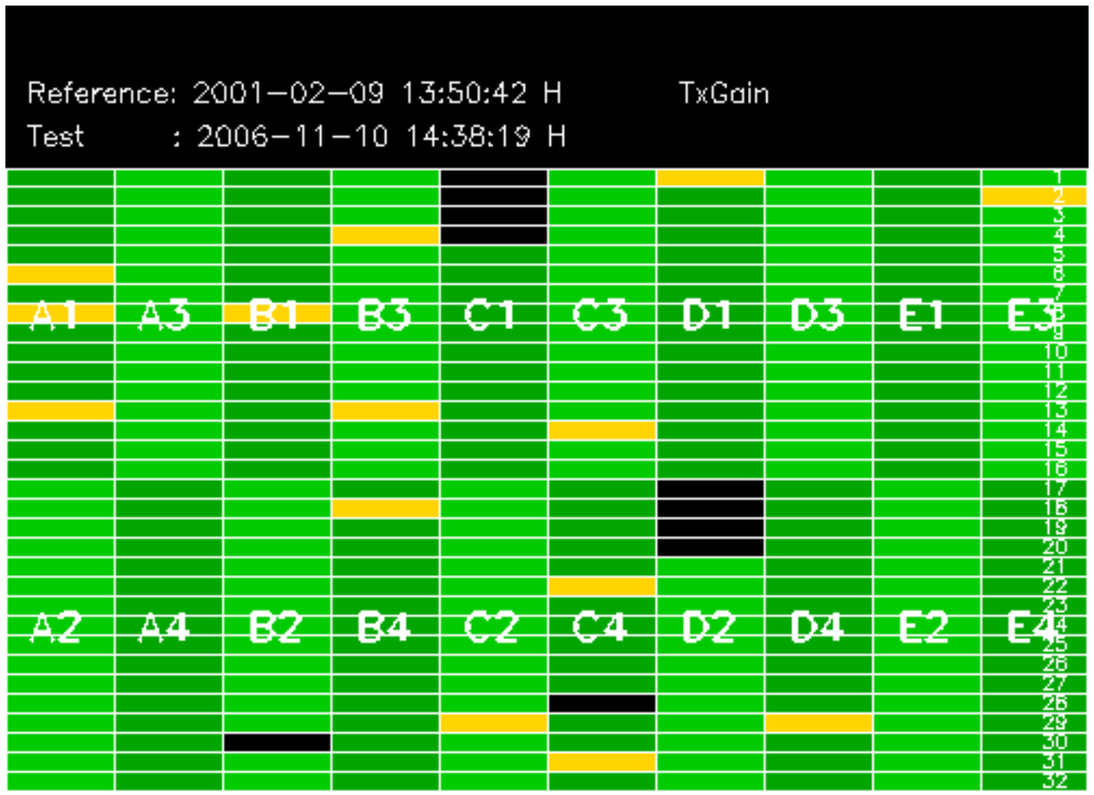

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov

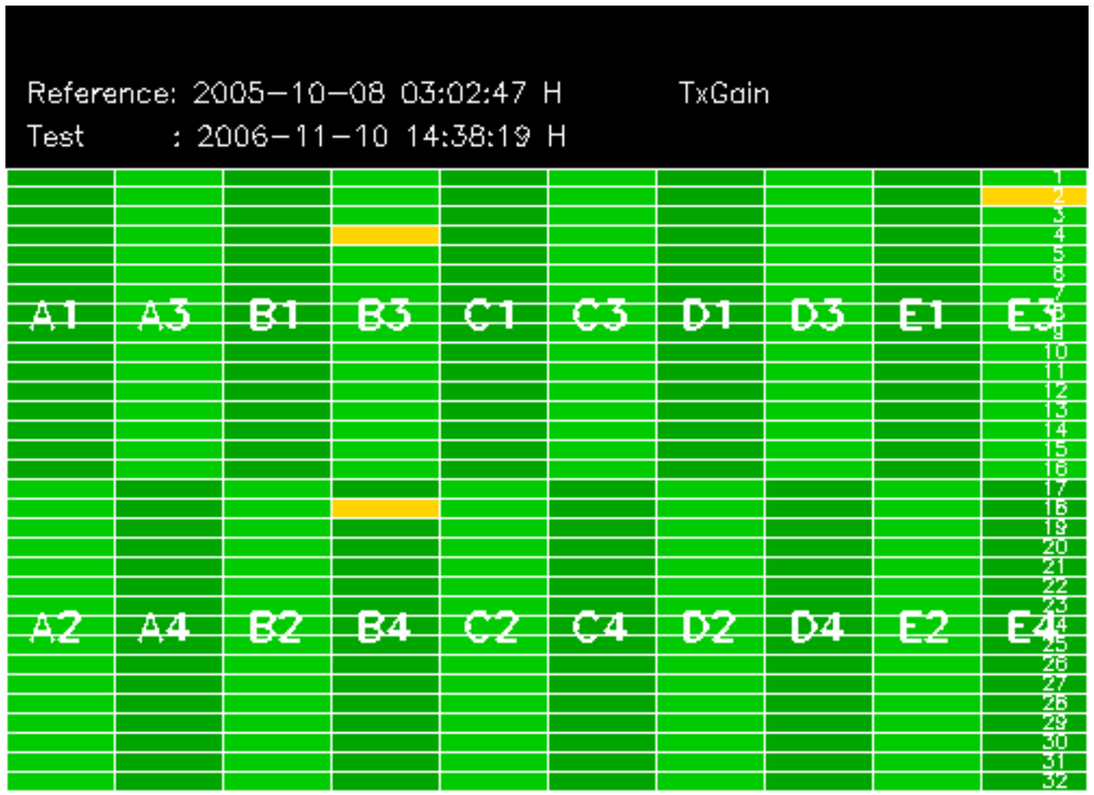

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Oct
16−Oct
21−Oct
26−Oct
31−Oct
05−Nov
10−Nov


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-10 14:38:19 H
TxGain
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 : 2006-11-10 14:38:19 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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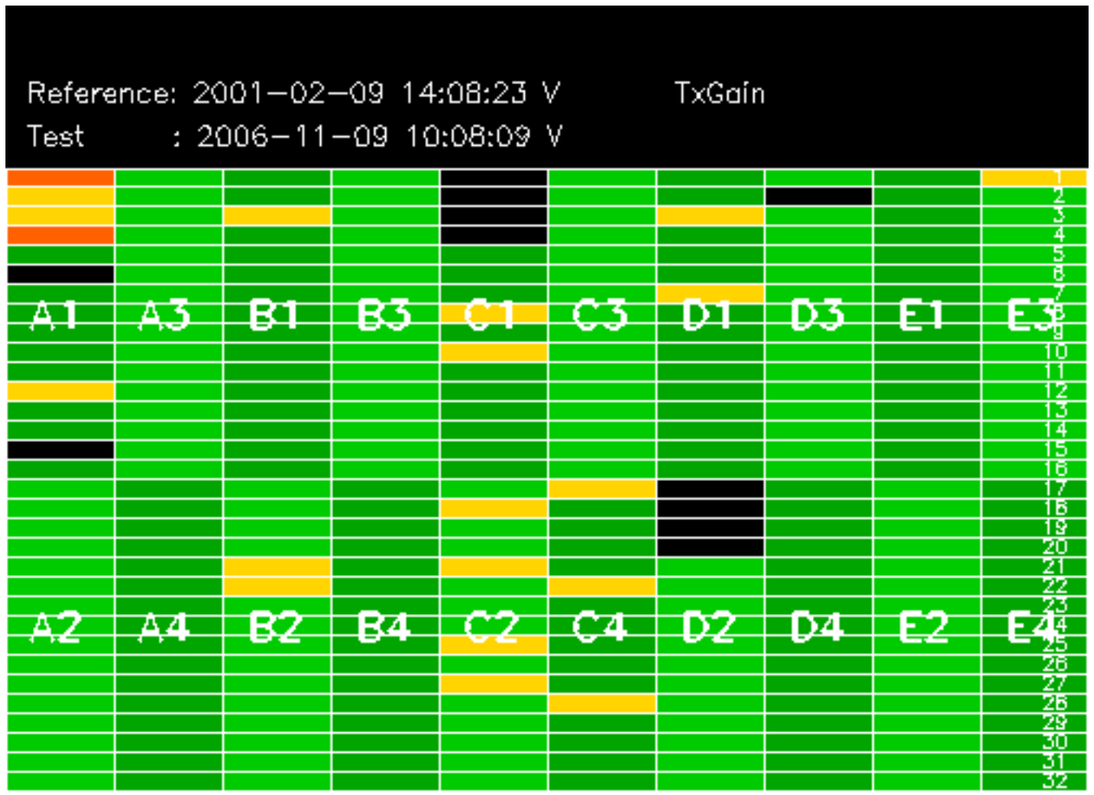
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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8
9
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29
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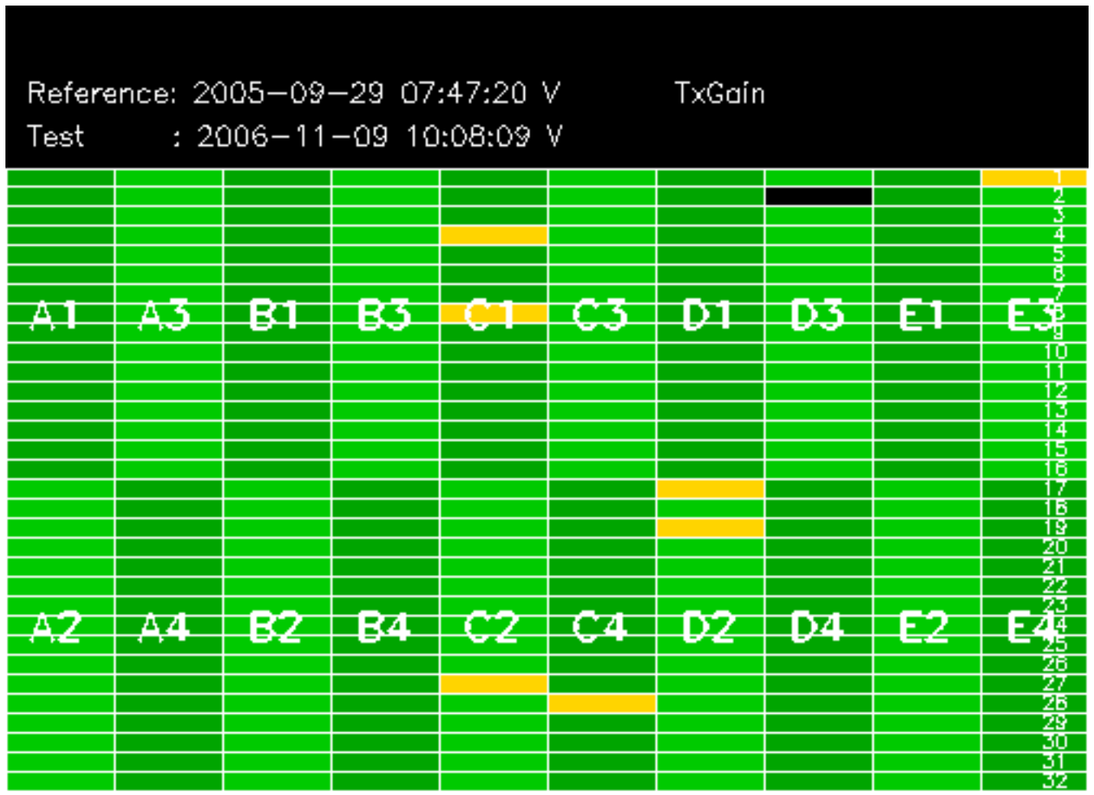
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
TxGain
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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9
10
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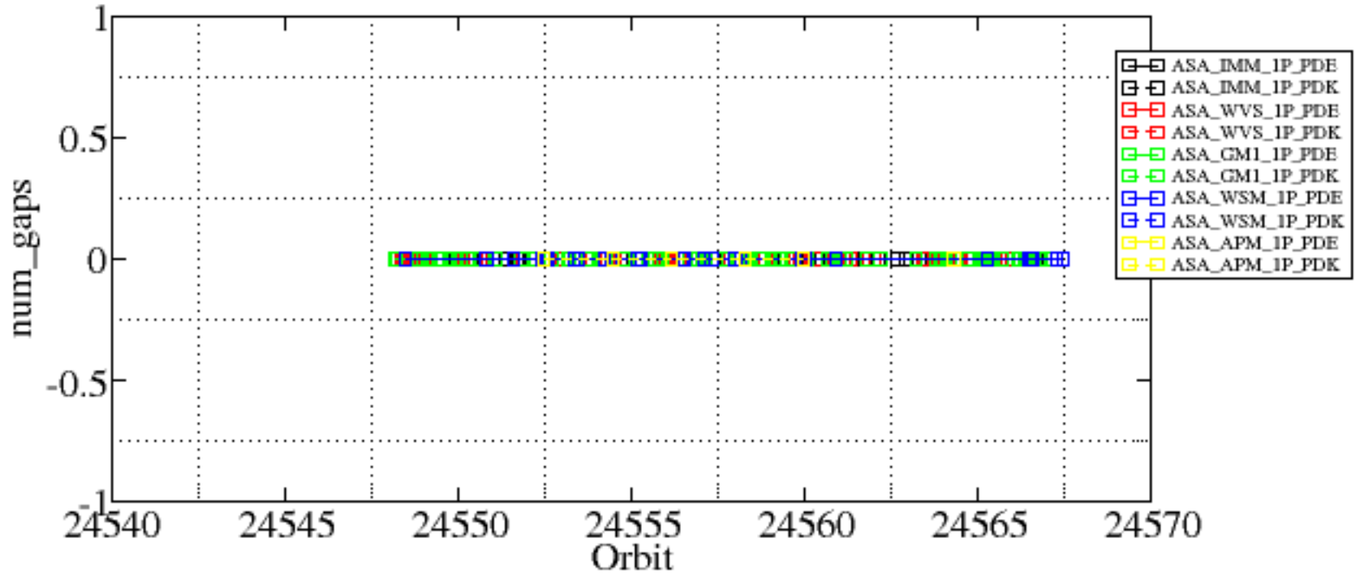
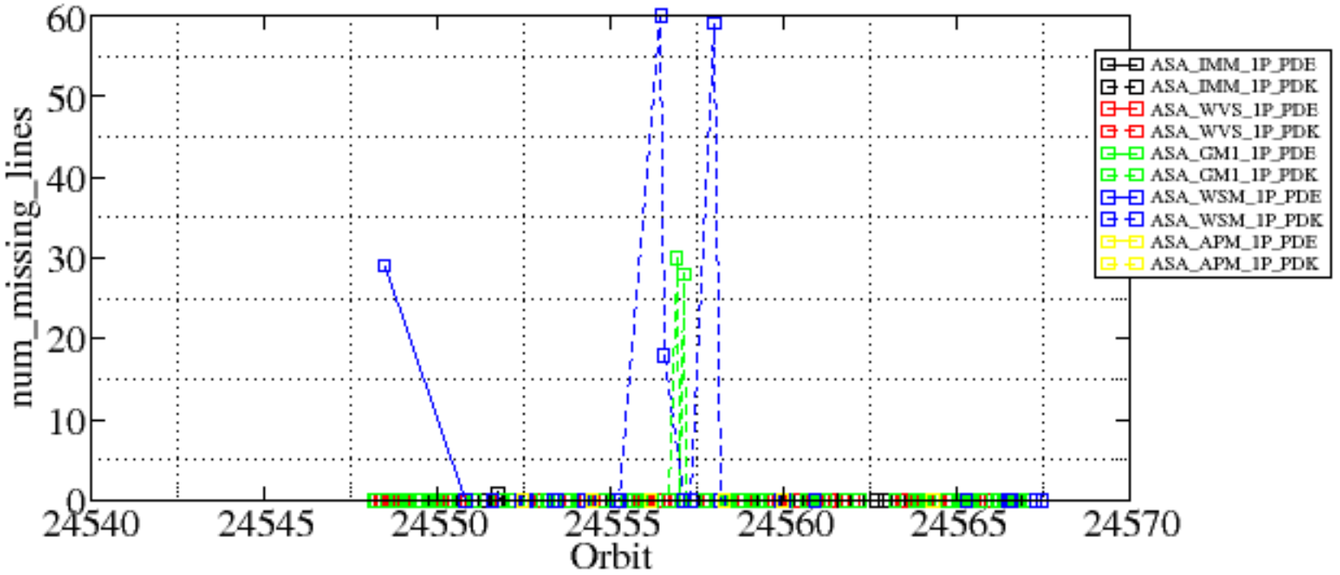
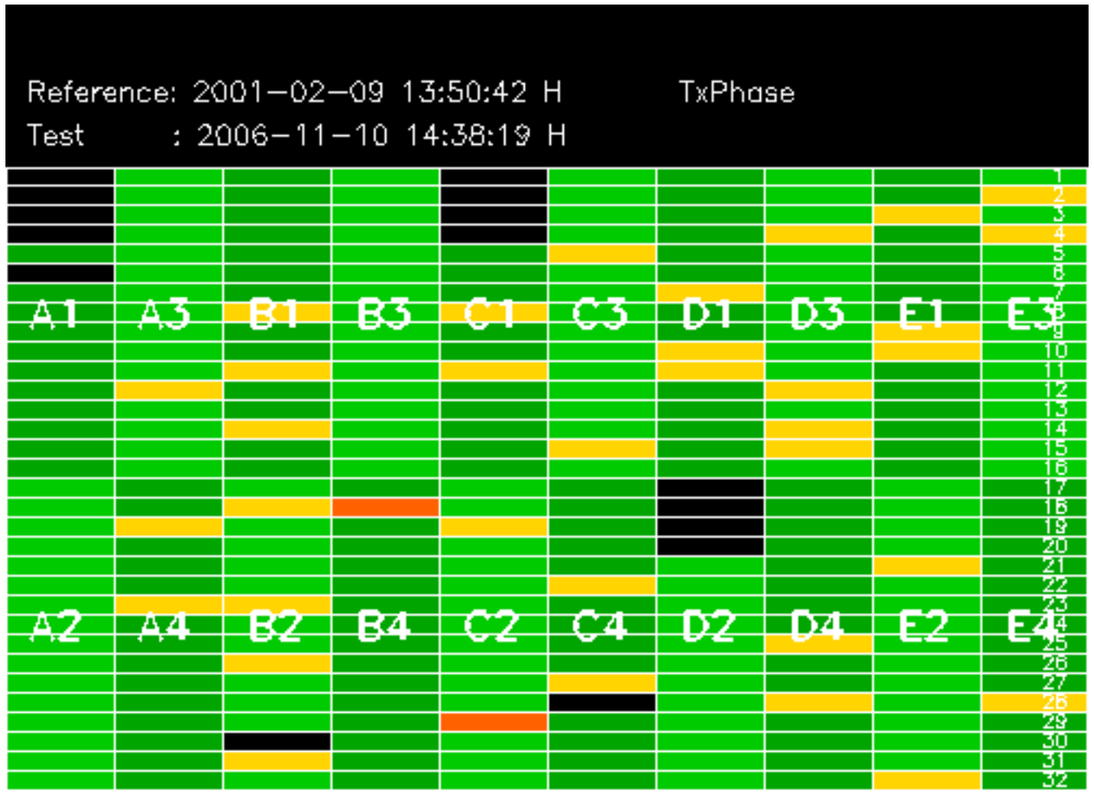
32

Summary of analysis for the last 3 days 2006111[901]
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_1PNPDK20061110_062233_000000592052_00449_24551_3724.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061110_150123_000001872052_00454_24556_8390.N1 </td> <td>0 </td> <td>30 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061110_152402_000006522052_00455_24557_8387.N1 </td> <td>0 </td> <td>28 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061110_005418_000002632052_00446_24548_0001.N1 </td> <td>0 </td> <td>29 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20061110_141658_000003302052_00454_24556_9834.N1 </td> <td>0 </td> <td>60 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20061110_142505_000000672052_00454_24556_9836.N1 </td> <td>0 </td> <td>18 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20061110_165310_000000852052_00456_24558_9847.N1 </td> <td>0 </td> <td>59 </td></tr>
</table><br><br><br>


num_gaps
1
0.5
0
-0.5
-1
24540
24545
24550
24555
24560
24565
24570
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
60
50
40
30
20
10
0
24540
24545
24550
24555
24560
24565
24570
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 : 2006-11-10 14:38:19 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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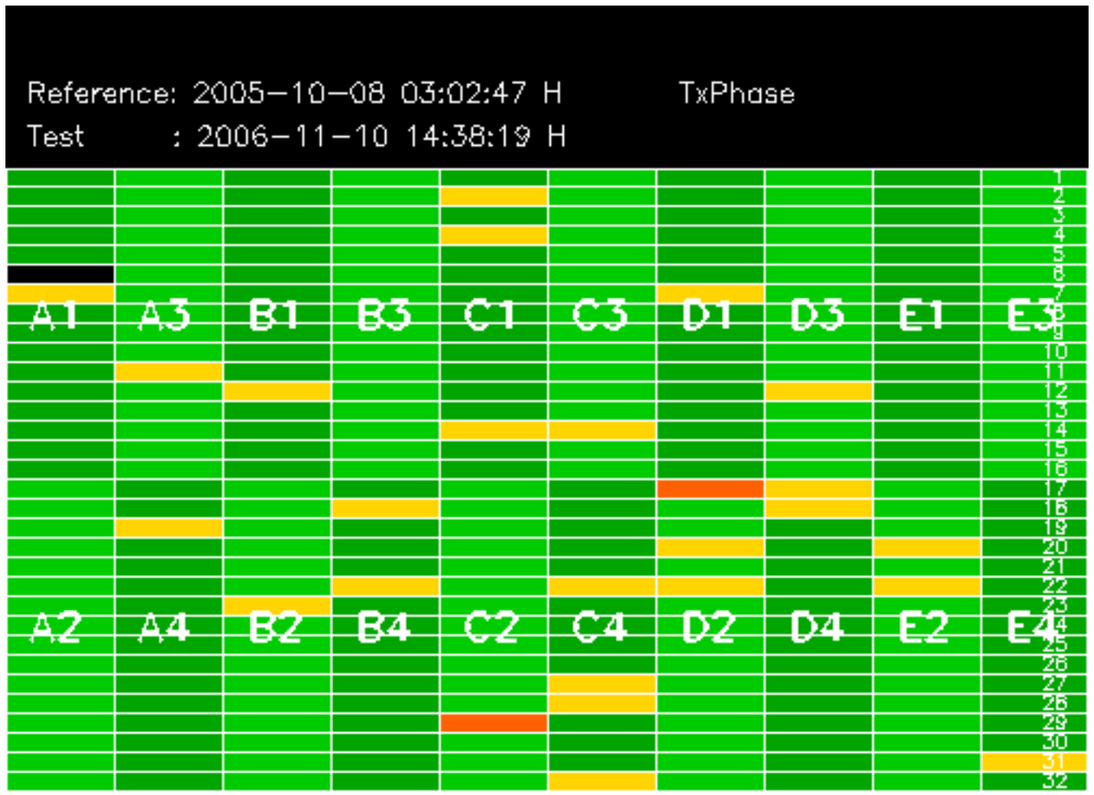
Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-11-10 14:38:19 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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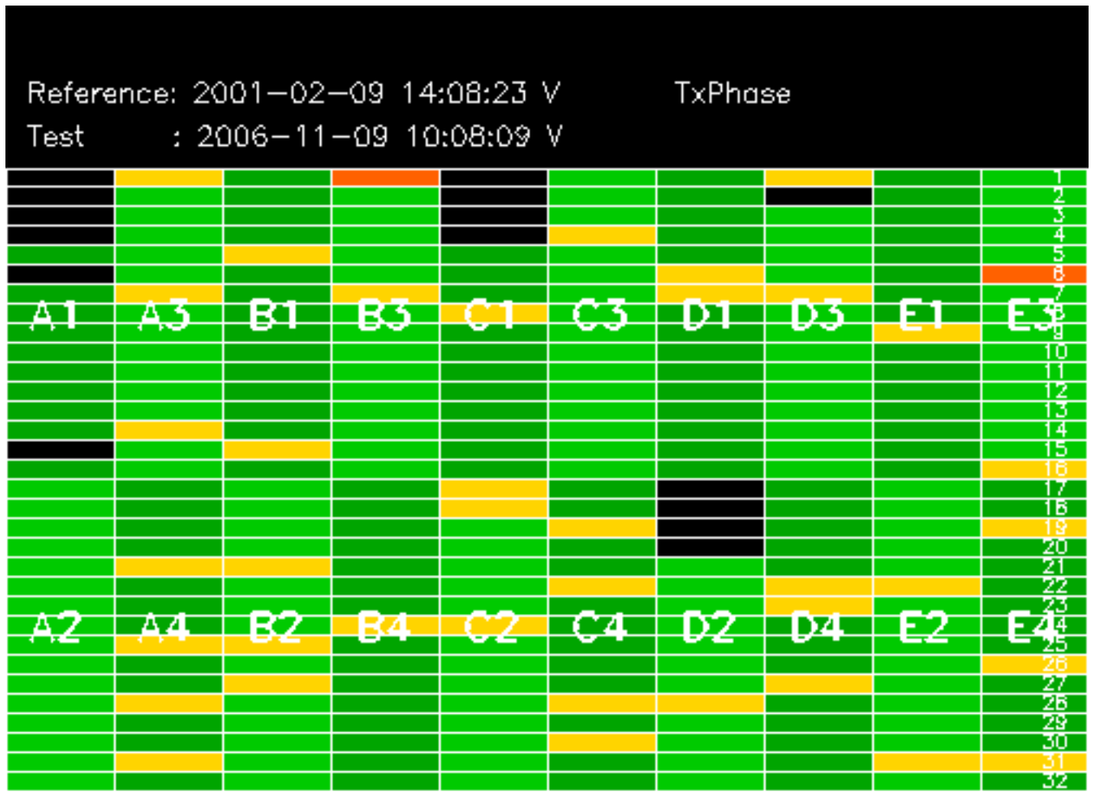
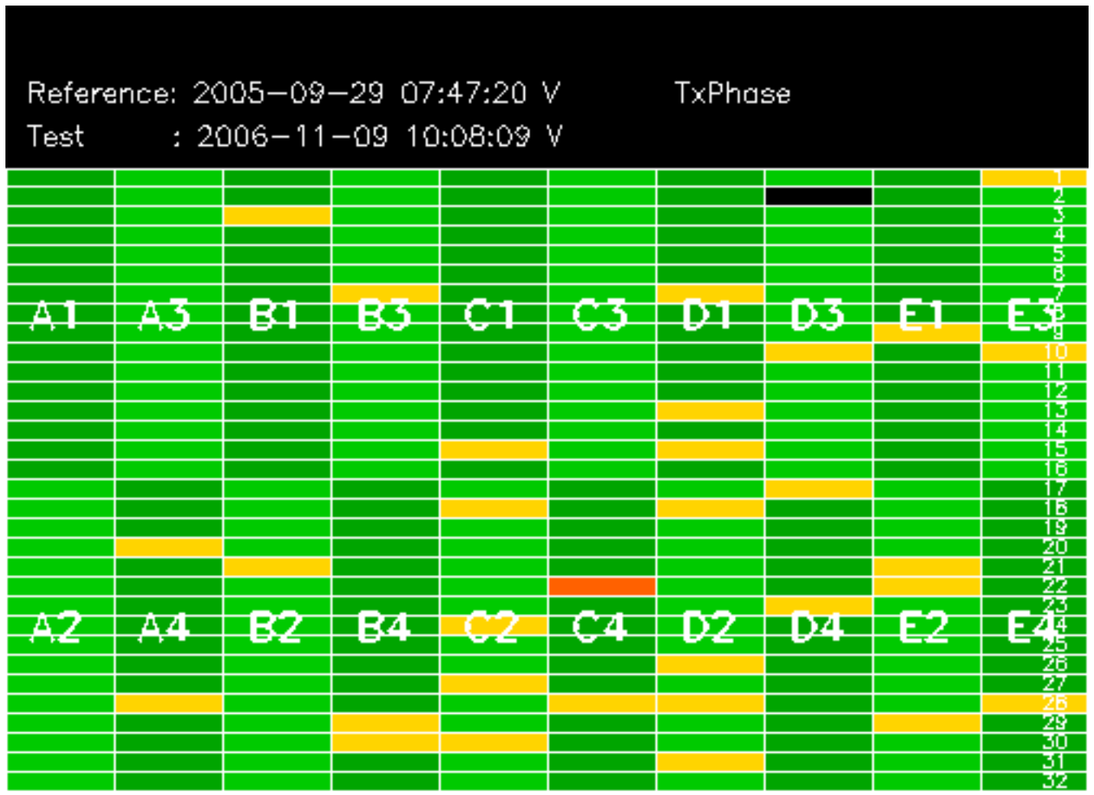

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-09 10:08:09 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-09 10:08:09 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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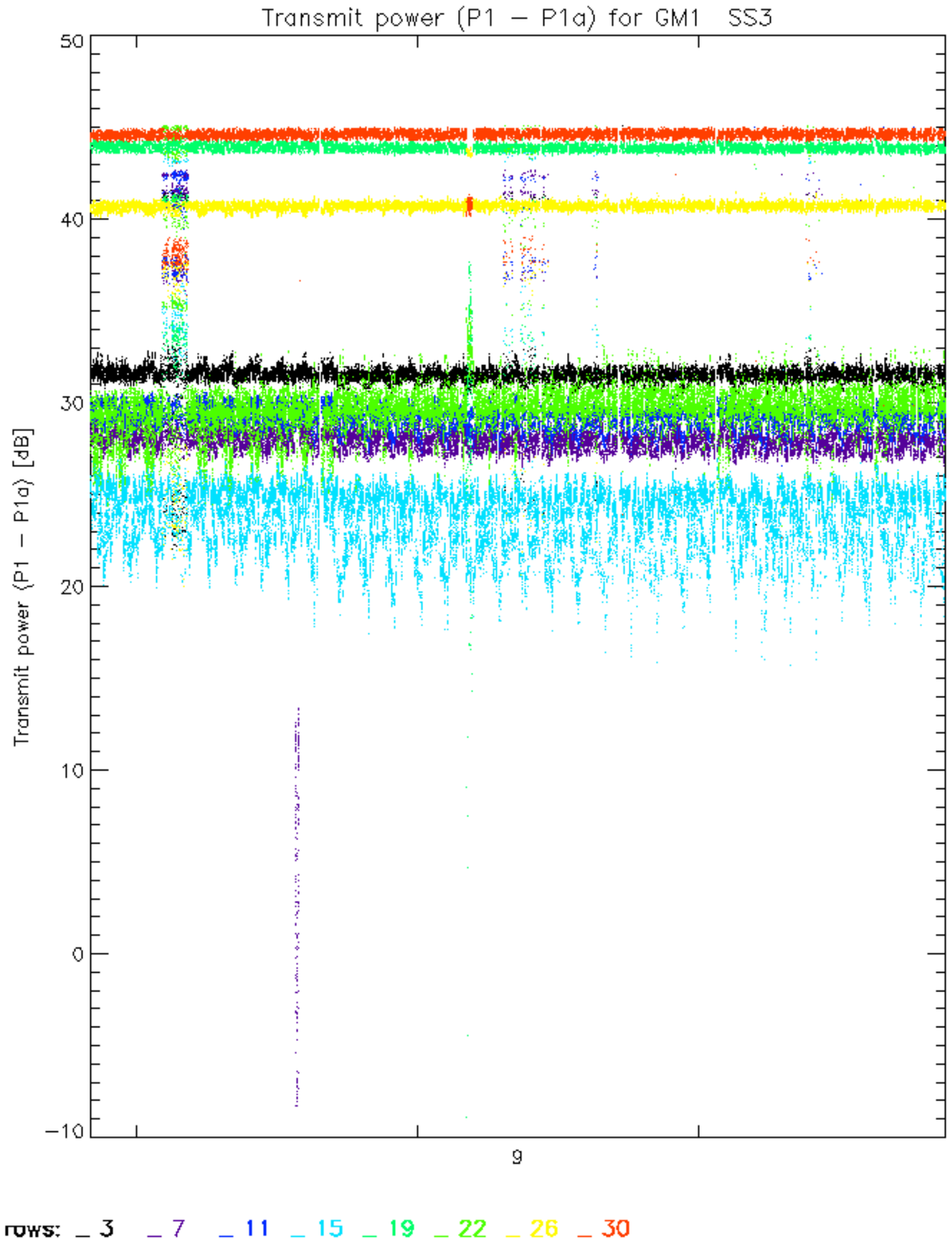
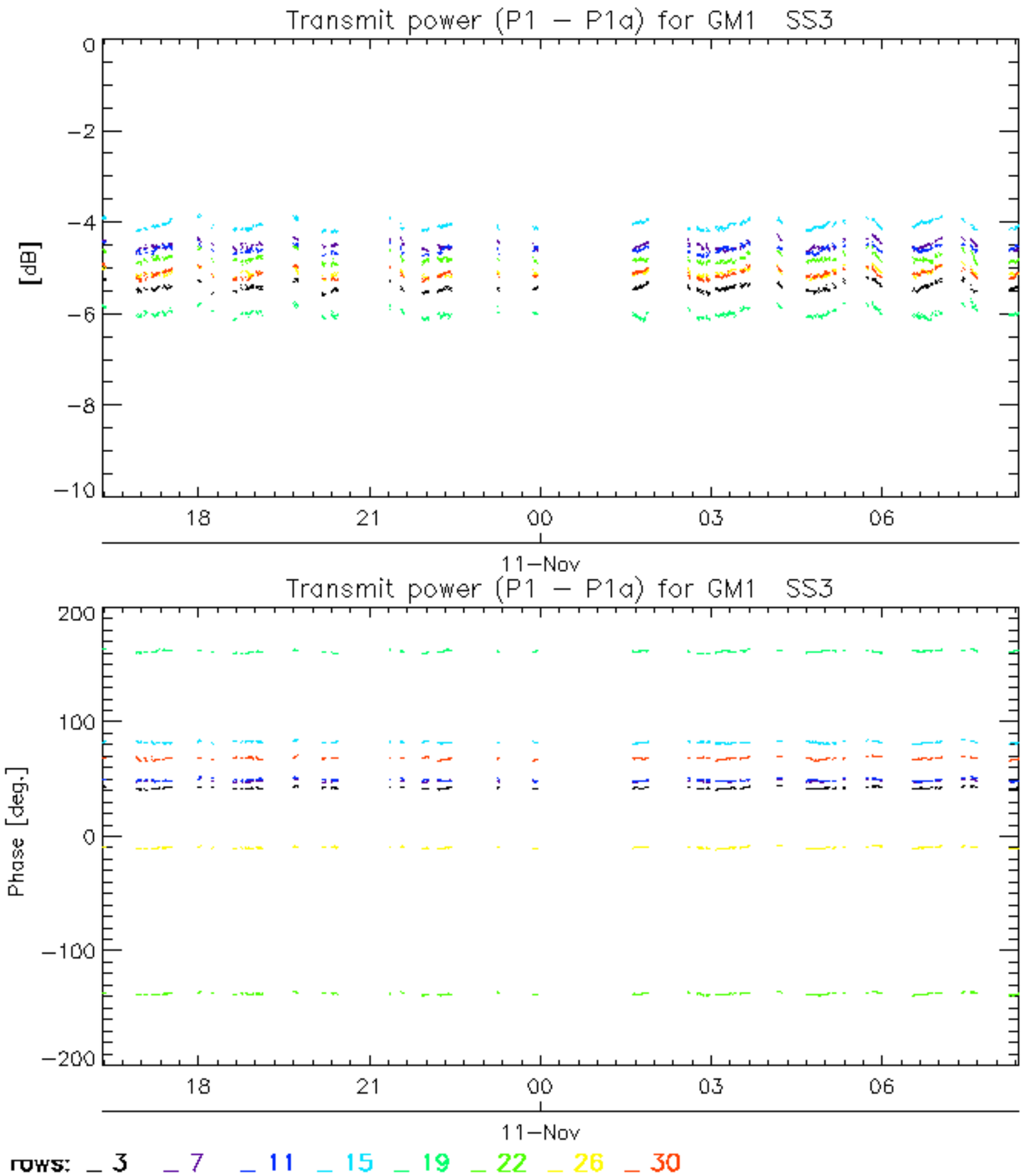
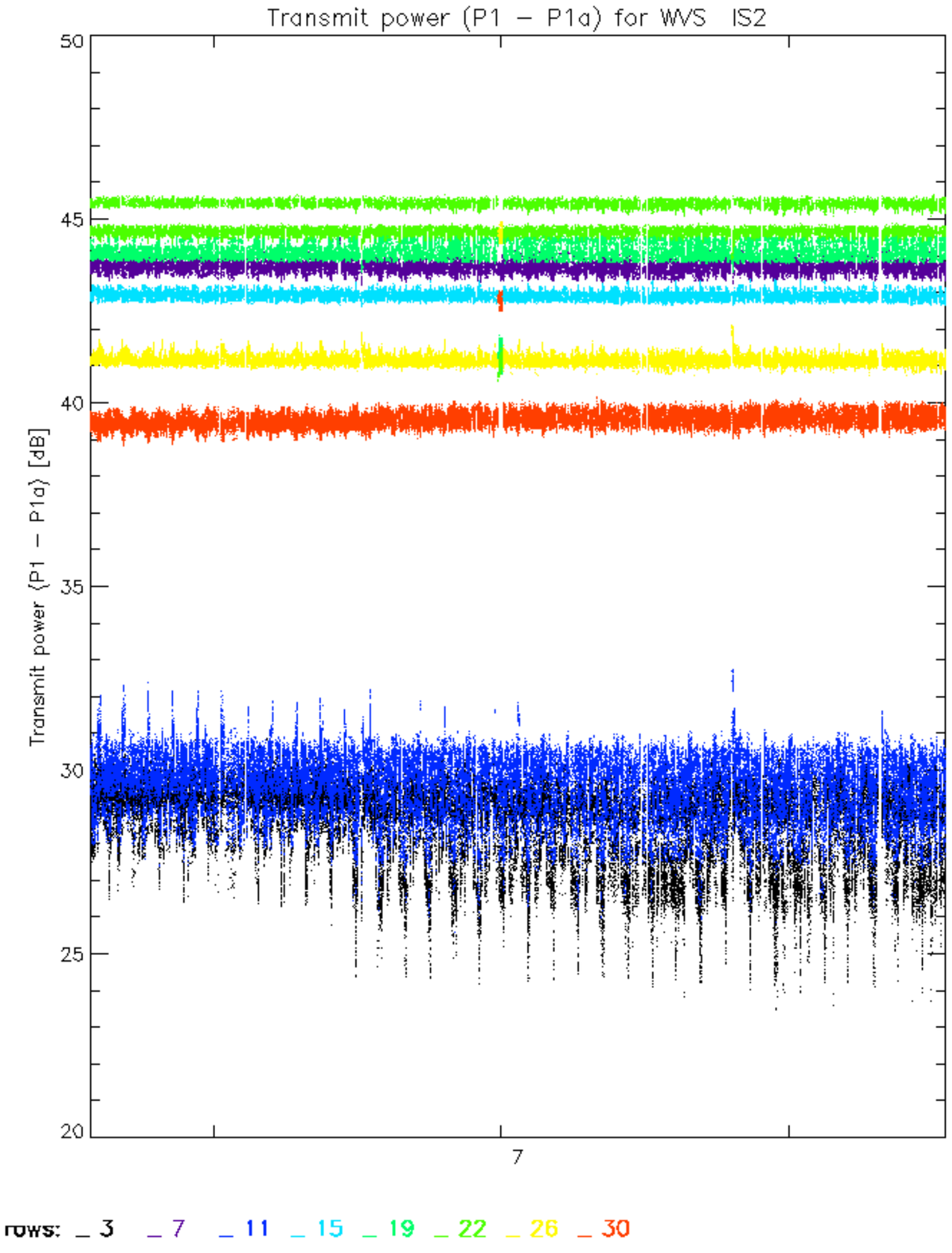
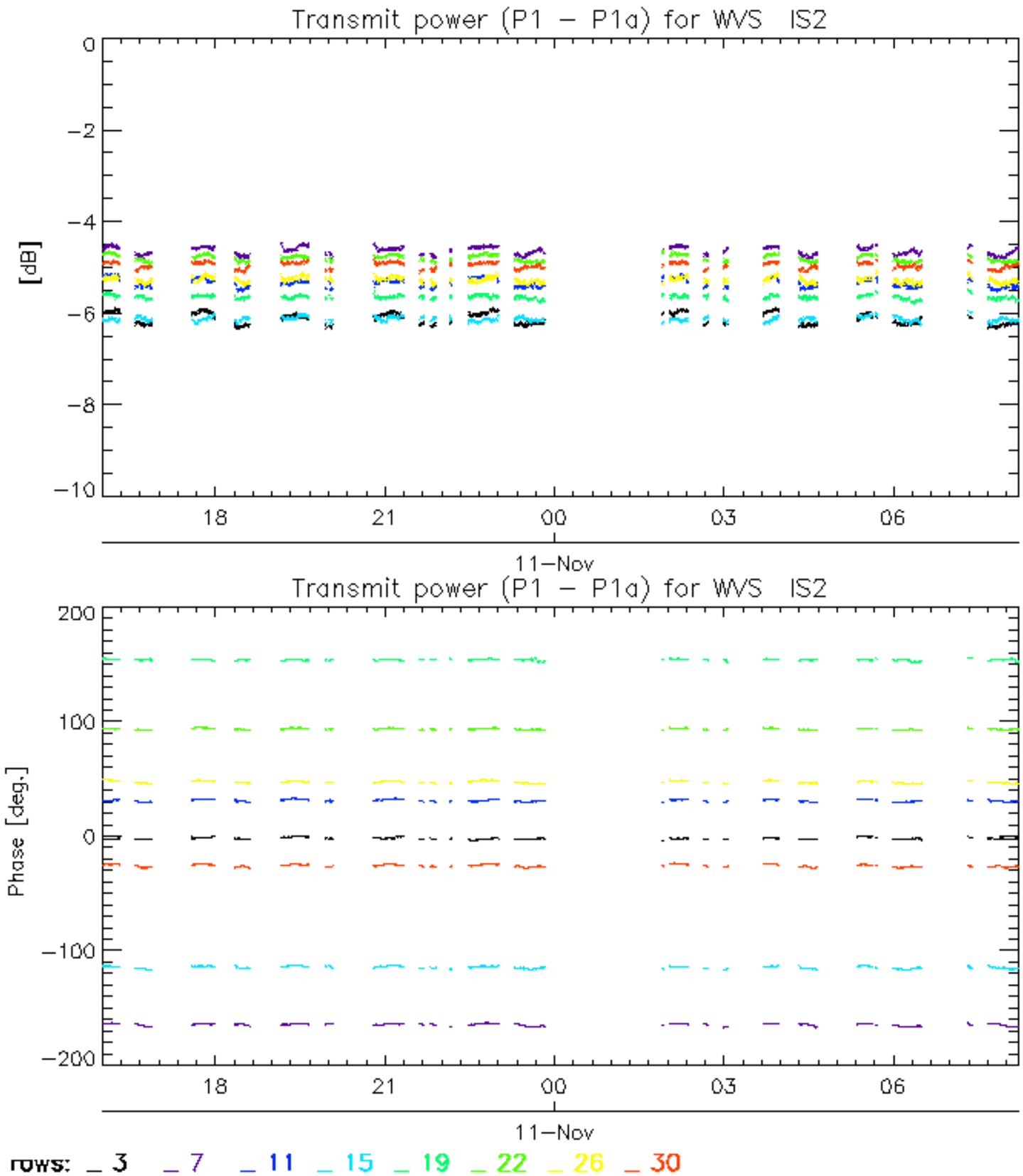

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
9
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.