# PRELIMINARY REPORT OF 061219

### last update on Tue Dec 19 16:37:11 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 2006-12-18 00:00:00 to 2006-12-19 16:37:11**

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

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000 | 42 | 54 | 33 | 12 | 69 |
| ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000 | 42 | 54 | 33 | 12 | 69 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 42 | 54 | 33 | 12 | 69 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 42 | 54 | 33 | 12 | 69 |

### 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:

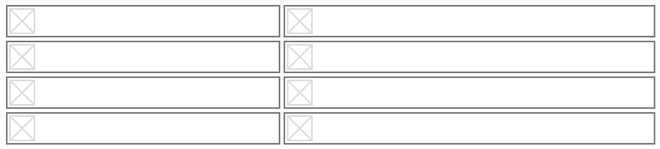
| **Polarisation** | **Start Time** |
|---|---|
| V | 20061216 204905 |
| H | 20061211 050036 |

**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** |
|---|---|



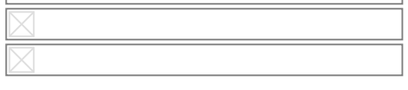
# 4 - Internal calibration Results

No anomalies observed.

## 4.1 - Daily statistics

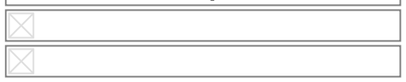
### 4.1.1 - Evolution for WVS

**Evolution of cal pulses for WVS**



### 4.1.2 - Evolution for GM1

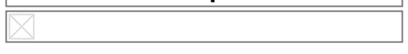
**Evolution of cal pulses for GM1**



## 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 | -3.964044 | 0.008204 | 0.012453 |
| 7 | P1 | -3.149537 | 0.024421 | 0.017421 |
| 11 | P1 | -4.124945 | 0.026255 | 0.028064 |
| 15 | P1 | -6.317917 | 0.016038 | -0.044546 |
| 19 | P1 | -3.640239 | 0.006130 | -0.060228 |
| 22 | P1 | -4.653618 | 0.013683 | -0.004811 |
| 26 | P1 | -3.954072 | 0.010018 | -0.024939 |
| 30 | P1 | -5.885672 | 0.009604 | -0.026115 |
| 3 | P1 | -16.546677 | 0.248411 | 0.004951 |
| 7 | P1 | -17.293295 | 0.183805 | -0.046166 |
| 11 | P1 | -17.192686 | 0.473075 | 0.066164 |
| 15 | P1 | -13.061165 | 0.140104 | 0.027350 |
| 19 | P1 | -14.969214 | 0.092721 | -0.096534 |
| 22 | P1 | -15.818666 | 0.557898 | -0.022799 |
| 26 | P1 | -15.062268 | 0.194287 | -0.123829 |
| 30 | P1 | -17.501680 | 0.480651 | -0.101811 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -20.814945 | 0.095569 | 0.067925 |
| 7 | P2 | -21.730768 | 0.097234 | 0.022762 |
| 11 | P2 | -15.610167 | 0.106695 | 0.151763 |
| 15 | P2 | -7.117688 | 0.111122 | 0.022092 |
| 19 | P2 | -9.189362 | 0.109124 | -0.013535 |
| 22 | P2 | -18.234591 | 0.101609 | 0.013733 |
| 26 | P2 | -16.575151 | 0.116901 | -0.062392 |
| 30 | P2 | -19.464268 | 0.092116 | 0.036781 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.244199 | 0.009146 | 0.020566 |
| 7 | P3 | -8.244199 | 0.009146 | 0.020566 |
| 11 | P3 | -8.244199 | 0.009146 | 0.020566 |

| | | | | |
|---|---|---|---|---|
| 15 | P3 | -8.244199 | 0.009146 | 0.020566 |
| 19 | P3 | -8.244199 | 0.009146 | 0.020566 |
| 22 | P3 | -8.244199 | 0.009146 | 0.020566 |
| 26 | P3 | -8.244240 | 0.009149 | 0.020807 |
| 30 | P3 | -8.244240 | 0.009149 | 0.020807 |

### 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 | -3.916317 | 0.017908 | -0.027434 |
| 7 | P1 | -2.485543 | 0.036204 | 0.038849 |
| 11 | P1 | -2.854022 | 0.019312 | -0.013513 |
| 15 | P1 | -3.686470 | 0.033339 | -0.021269 |
| 19 | P1 | -3.538715 | 0.018051 | -0.040253 |
| 22 | P1 | -5.027740 | 0.023520 | -0.023048 |
| 26 | P1 | -6.021170 | 0.028558 | -0.036590 |
| 30 | P1 | -5.338775 | 0.040184 | -0.026879 |
| 3 | P1 | -11.742006 | 0.088330 | -0.032417 |
| 7 | P1 | -10.060122 | 0.112309 | -0.050277 |
| 11 | P1 | -10.335452 | 0.141153 | -0.060696 |
| 15 | P1 | -10.715345 | 0.125975 | 0.012600 |
| 19 | P1 | -15.719208 | 0.120074 | -0.036580 |
| 22 | P1 | -21.572960 | 1.435163 | 0.019128 |
| 26 | P1 | -16.064743 | 0.339041 | 0.038228 |
| 30 | P1 | -17.885178 | 0.372105 | -0.051364 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -16.464886 | 0.127169 | -0.014516 |
| 7 | P2 | -22.229706 | 0.276900 | 0.008102 |
| 11 | P2 | -10.906779 | 0.150565 | 0.135472 |
| 15 | P2 | -4.984823 | 0.267569 | -0.002935 |
| 19 | P2 | -6.960157 | 0.253338 | -0.025244 |
| 22 | P2 | -8.254929 | 0.147052 | 0.018796 |
| 26 | P2 | -24.319592 | 0.201945 | 0.022099 |
| 30 | P2 | -21.948366 | 0.171755 | -0.016481 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.092060 | 0.004612 | 0.022213 |
| 7 | P3 | -8.092137 | 0.004598 | 0.022270 |
| 11 | P3 | -8.092119 | 0.004608 | 0.022346 |
| 15 | P3 | -8.091935 | 0.004605 | 0.022588 |
| 19 | P3 | -8.092080 | 0.004609 | 0.022497 |
| 22 | P3 | -8.092050 | 0.004597 | 0.022432 |
| 26 | P3 | -8.092053 | 0.004610 | 0.022093 |
| 30 | P3 | -8.091927 | 0.004593 | 0.021695 |

### 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 | 0.000556400 |
| | stdev | 1.71237e-07 |
| MEAN Q | mean | 0.000513538 |
| | stdev | 2.16341e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.138490 |
| | stdev | 0.00116996 |
| STDEV Q | mean | 0.138874 |
| | stdev | 0.00118927 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2006121[789]
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_WSM_1PNPDE20061218_165907_000000852053_00499_25102_3527.N1 | 0 | 2 |
| ASA_WSM_1PNPDE20061219_020903_000001152054_00003_25107_4095.N1 | 0 | 18 |

# 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

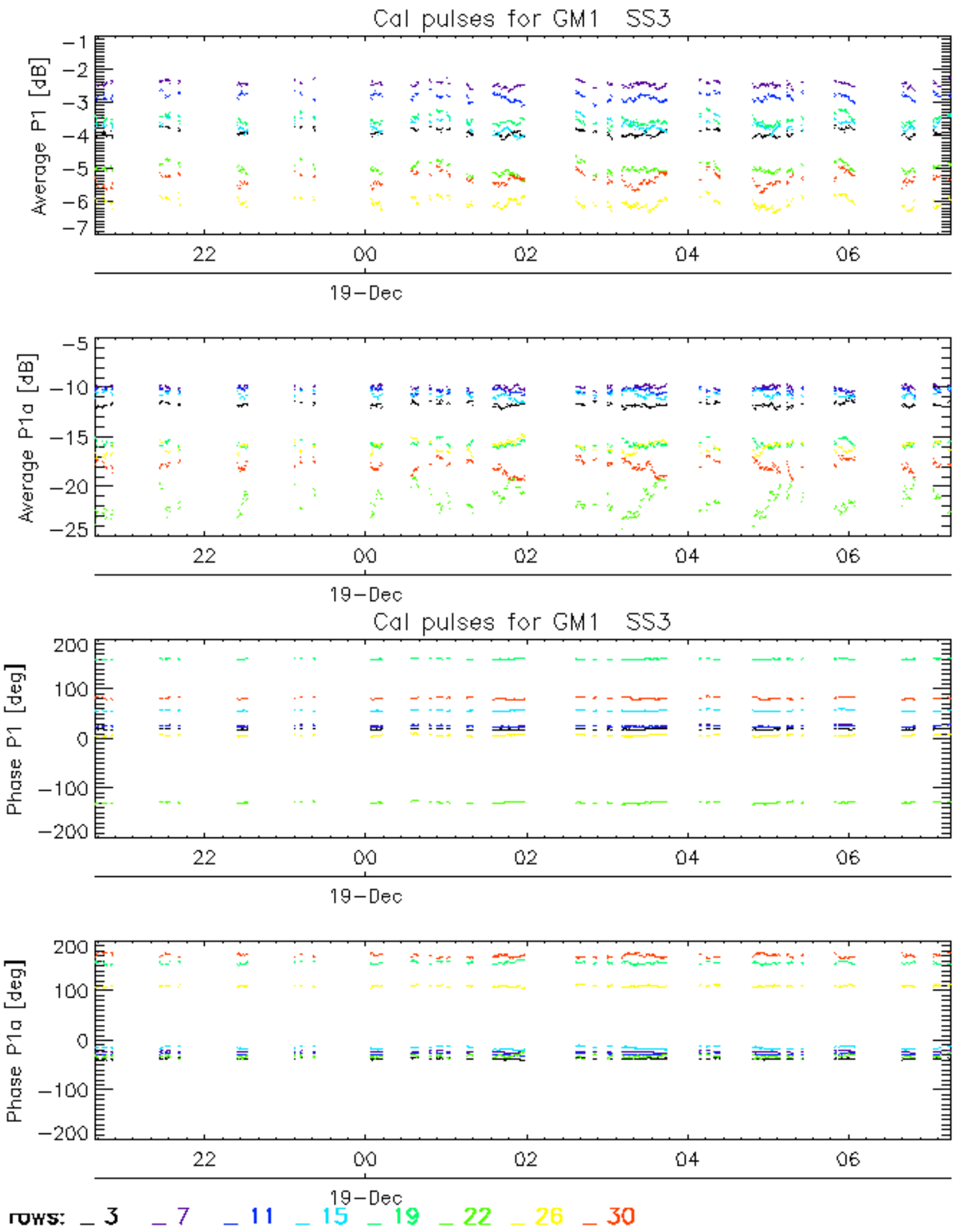
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

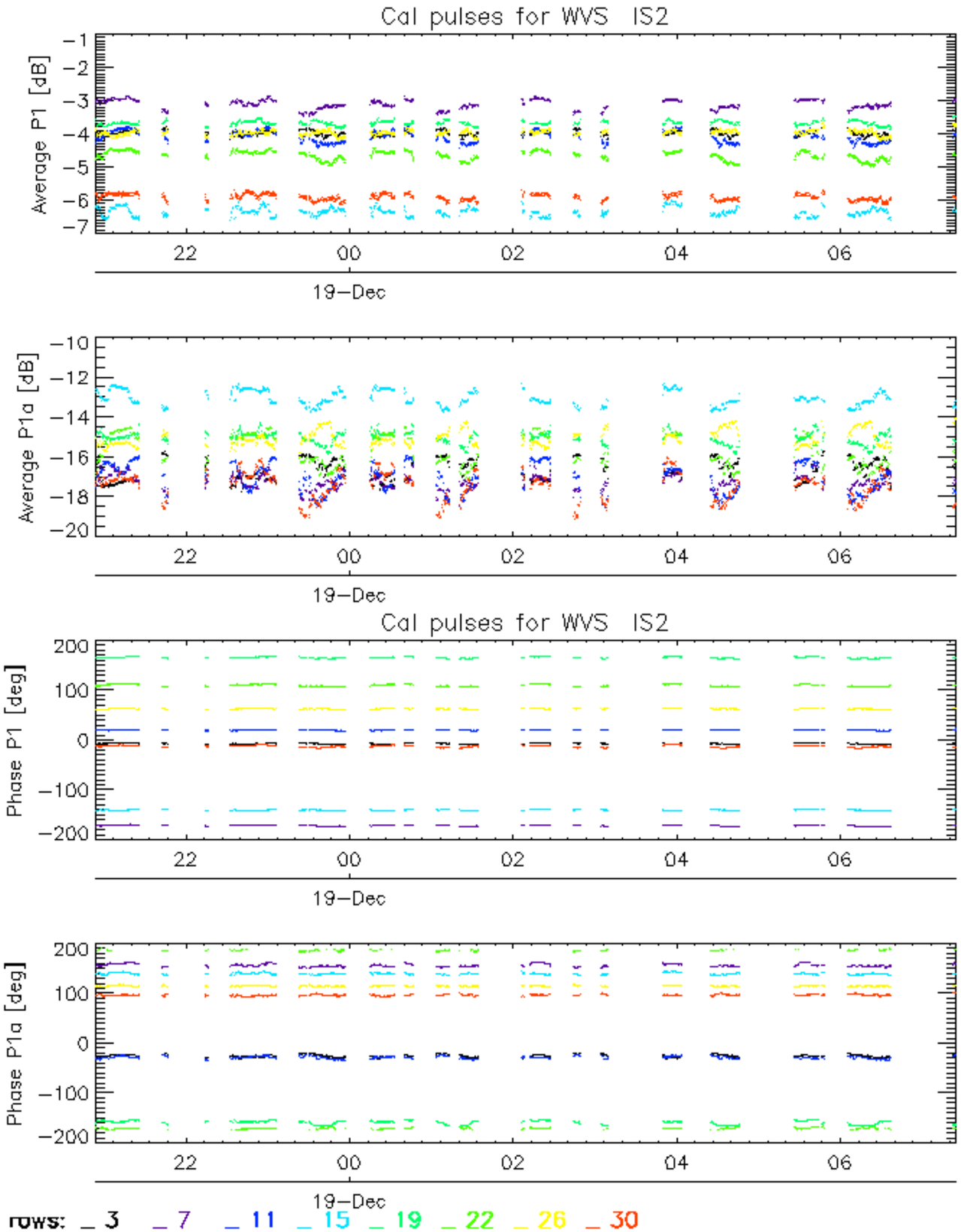
## 7.5 - Absolute Doppler for GM1

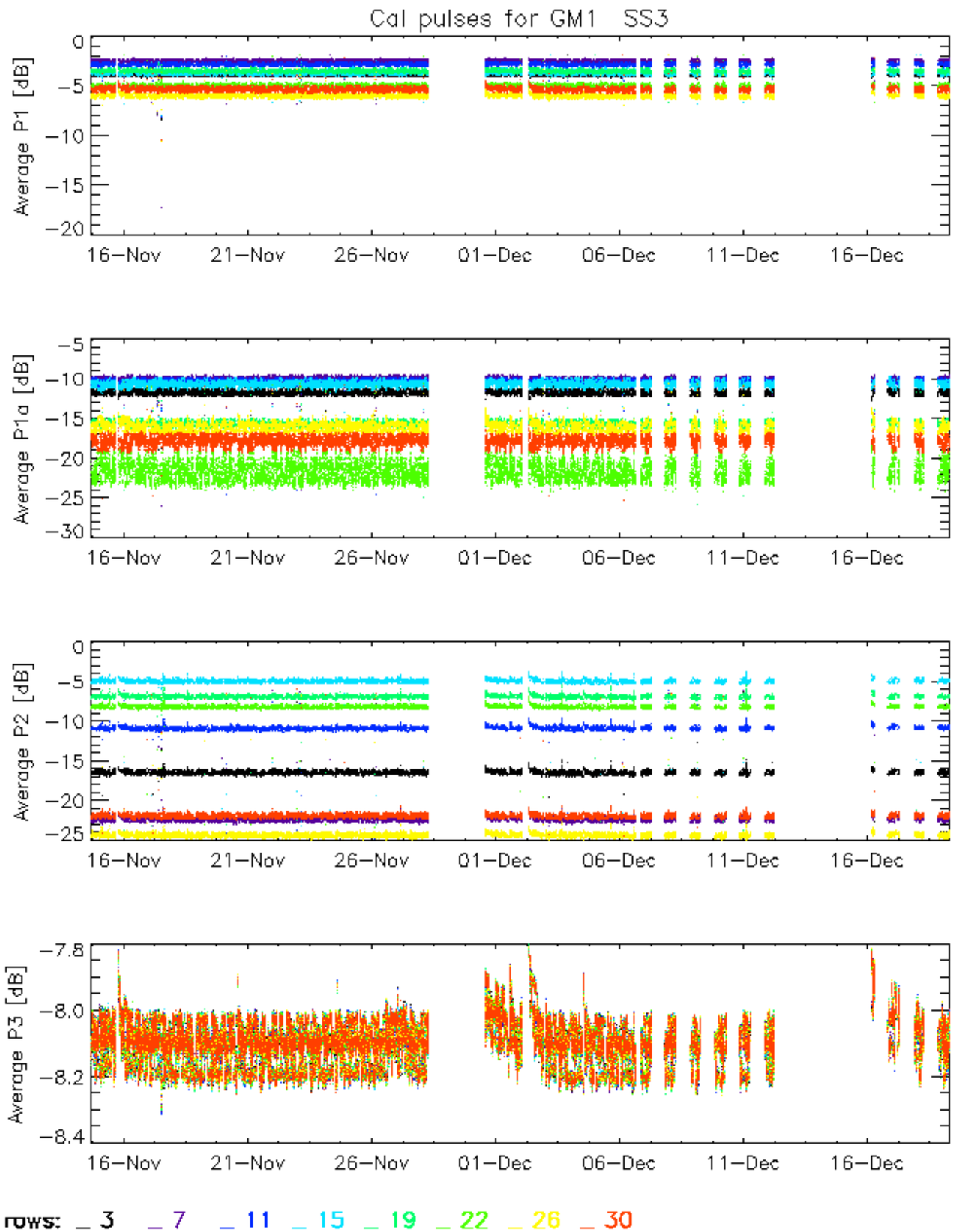
| Evolution of Absolute Doppler |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

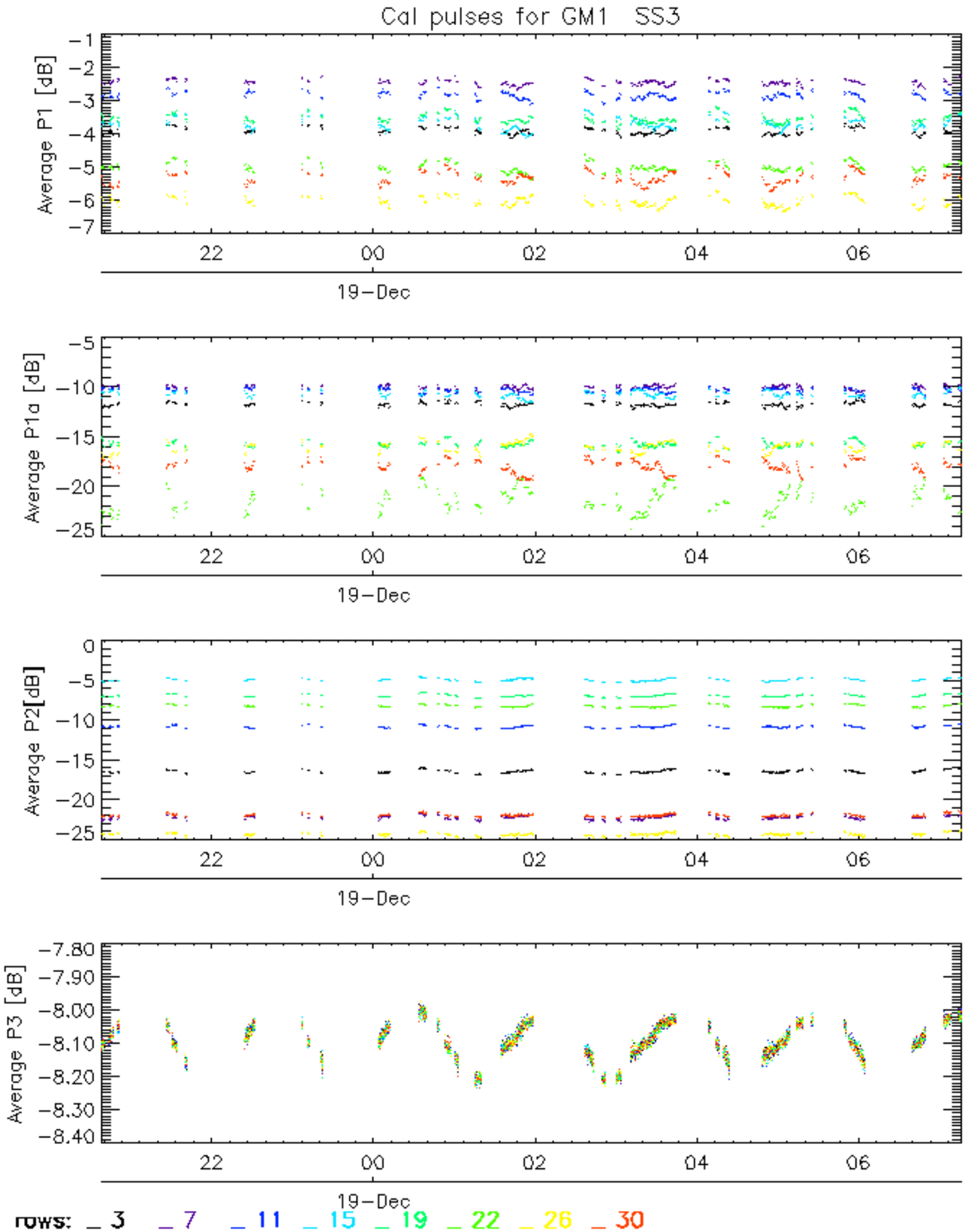
## 7.6 - Doppler evolution versus ANX for GM1

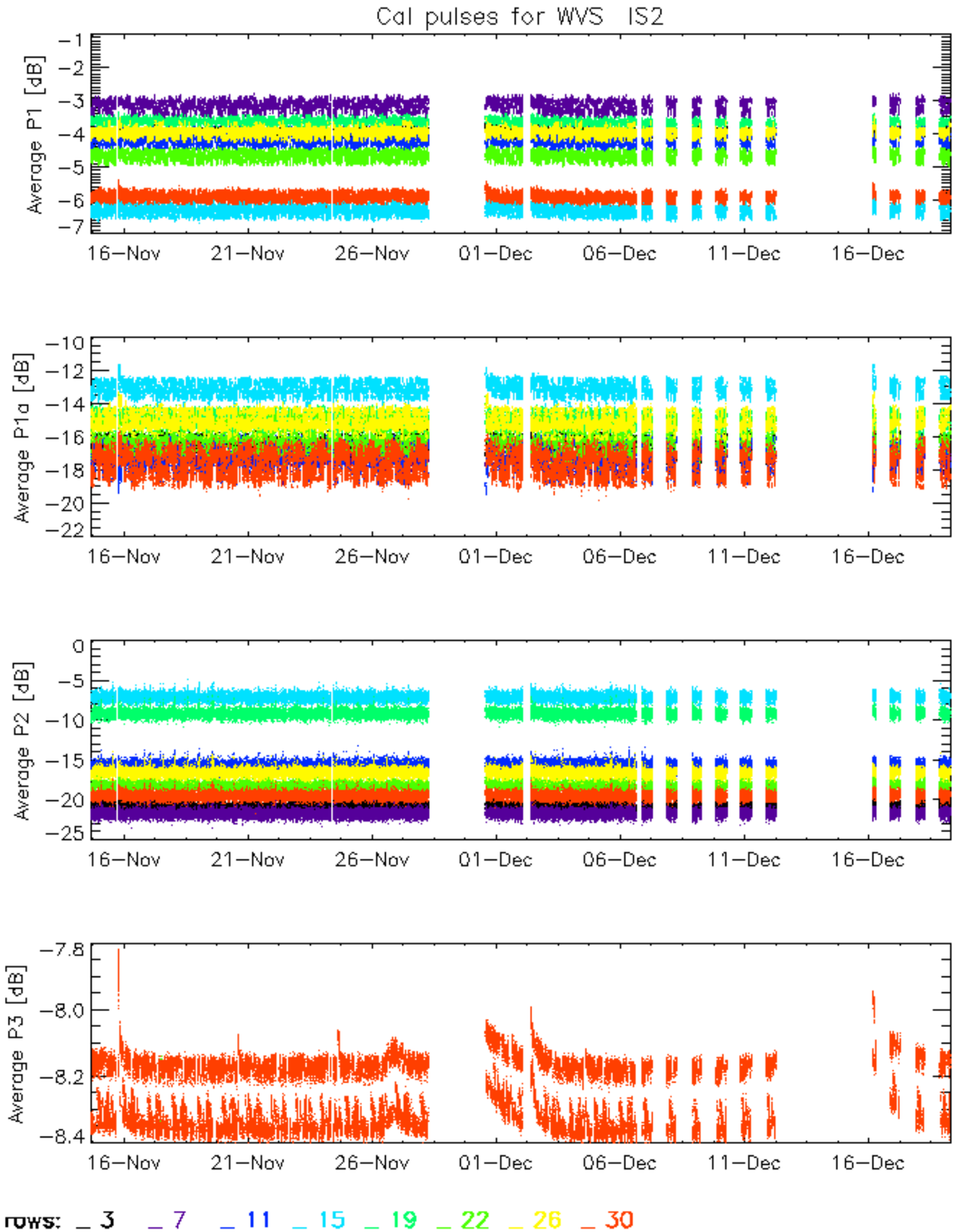
| Evolution Doppler error versus ANX |
| --- |
| ☒ |

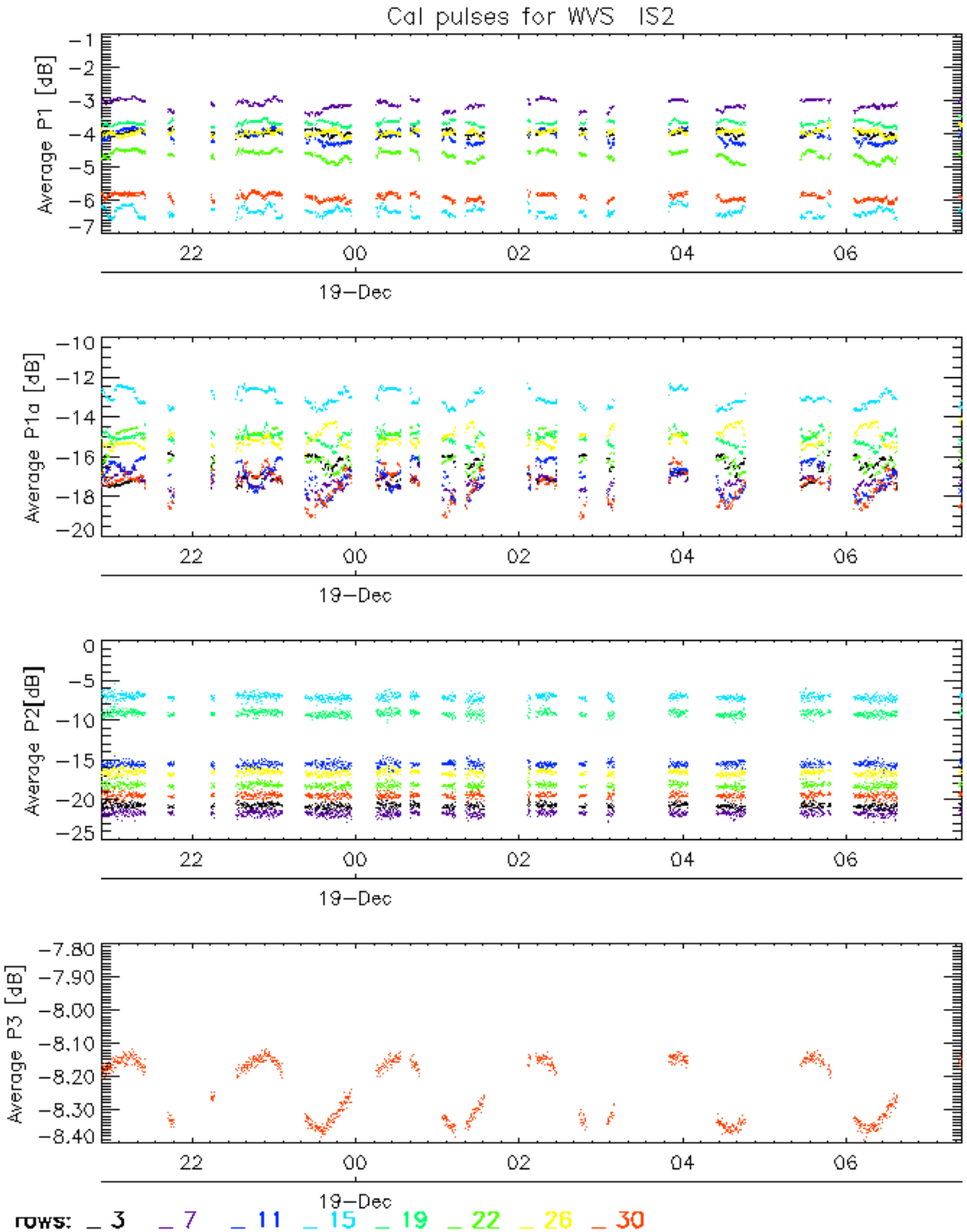

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
19−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06
19−Dec
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06
19−Dec
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06
19−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
19−Dec
Average P1a [dB]
−10
−12
−14
−16
−18
−20
22
00
02
04
06
19−Dec
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06
19−Dec
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06
19−Dec
rows: 3 7 11 15 19 22 26 30

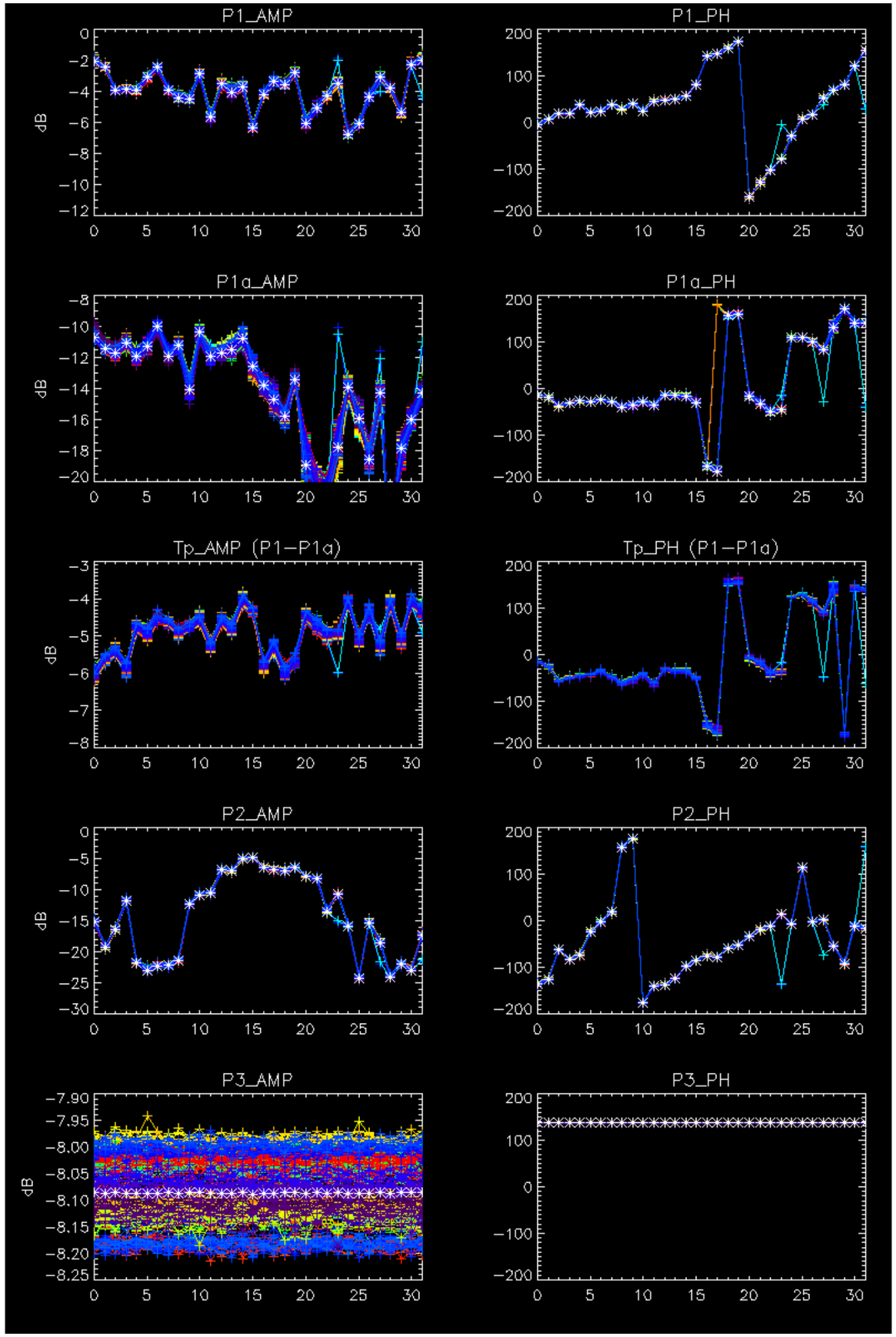

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
16−Nov
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

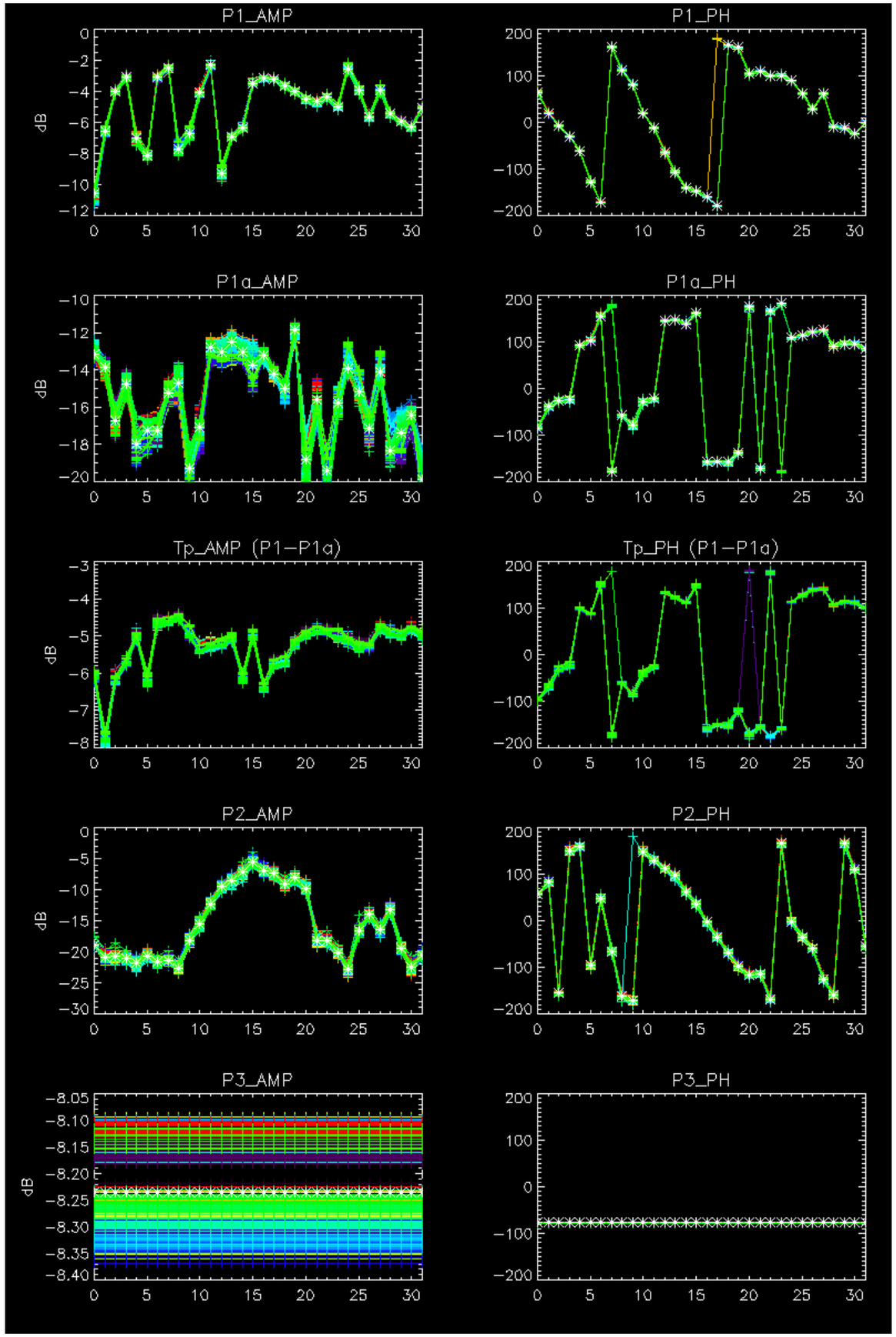

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
19−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06
19−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06
19−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06
19−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
16−Nov
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
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
22
00
02
04
06
19−Dec
Average P1a [dB]
−10
−12
−14
−16
−18
−20
22
00
02
04
06
19−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06
19−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06
19−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

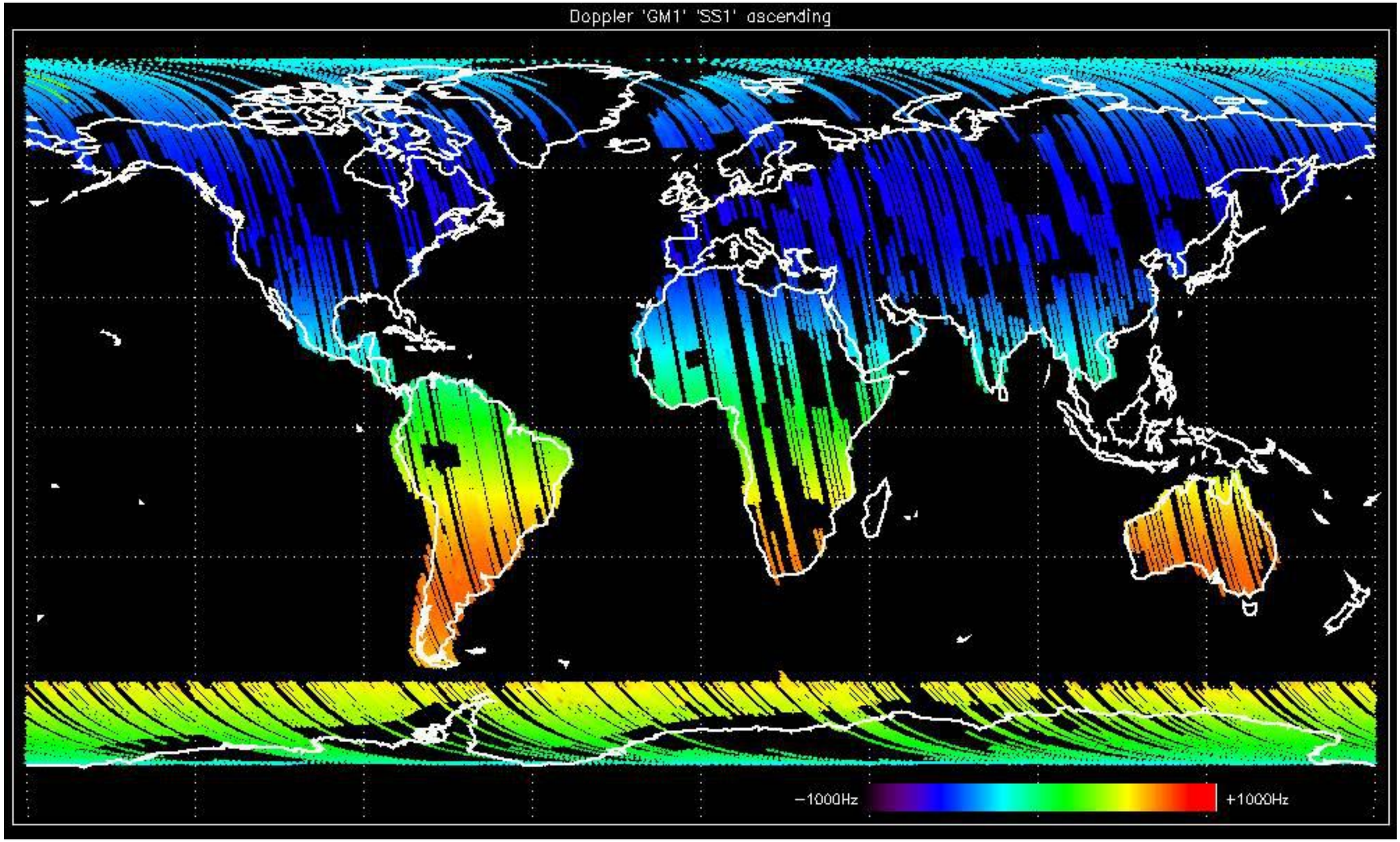
No anomalies observed.

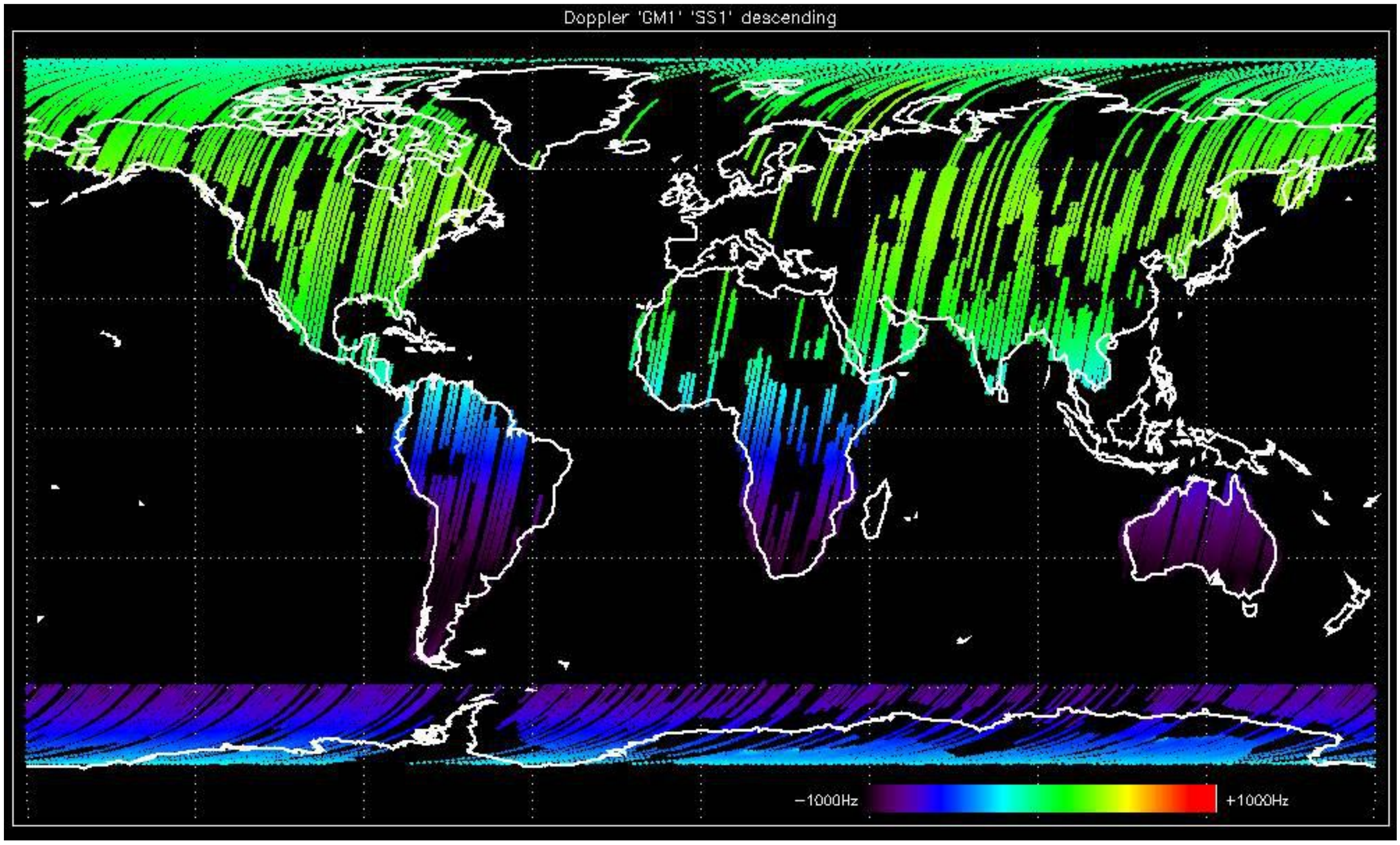

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

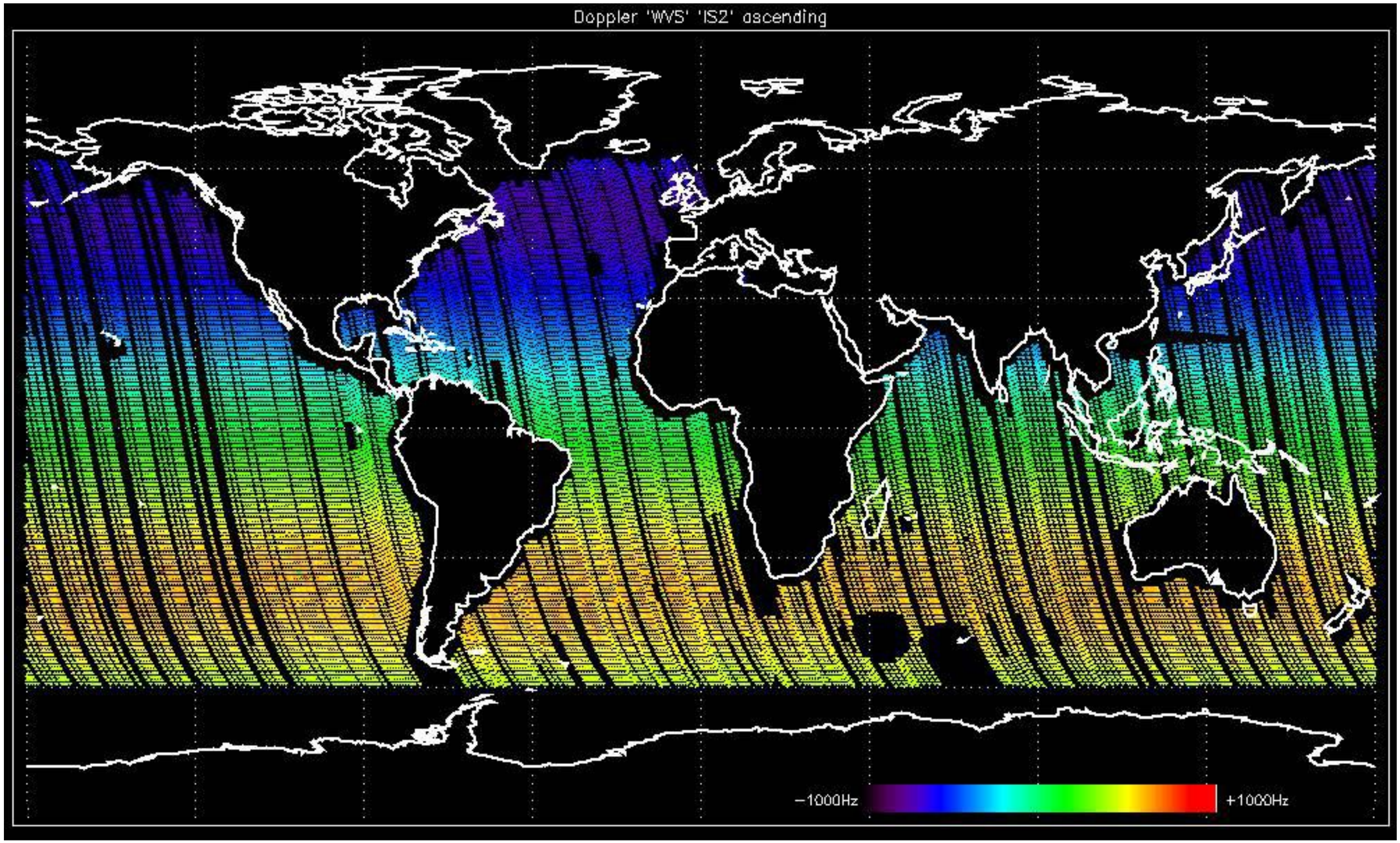

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

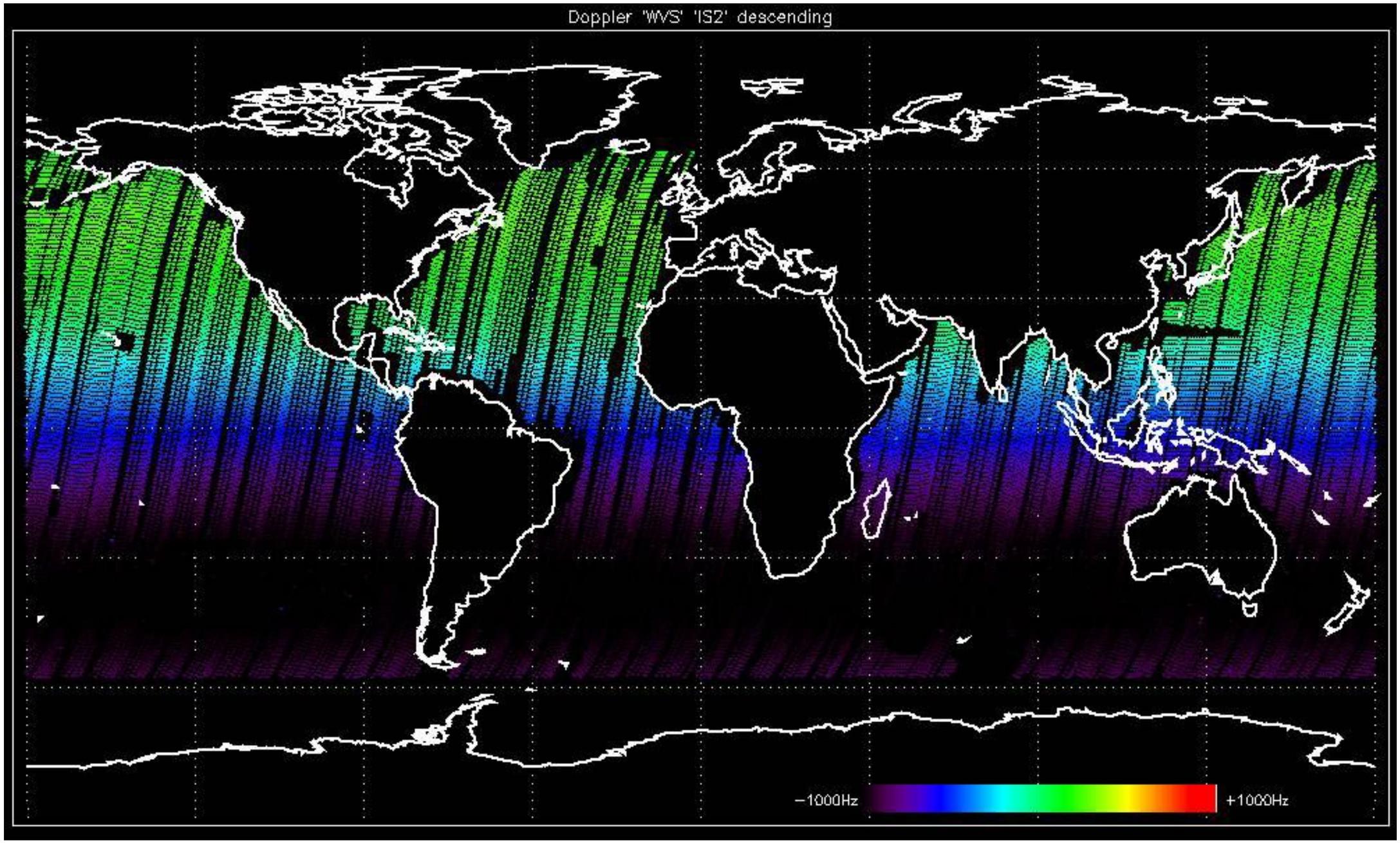
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

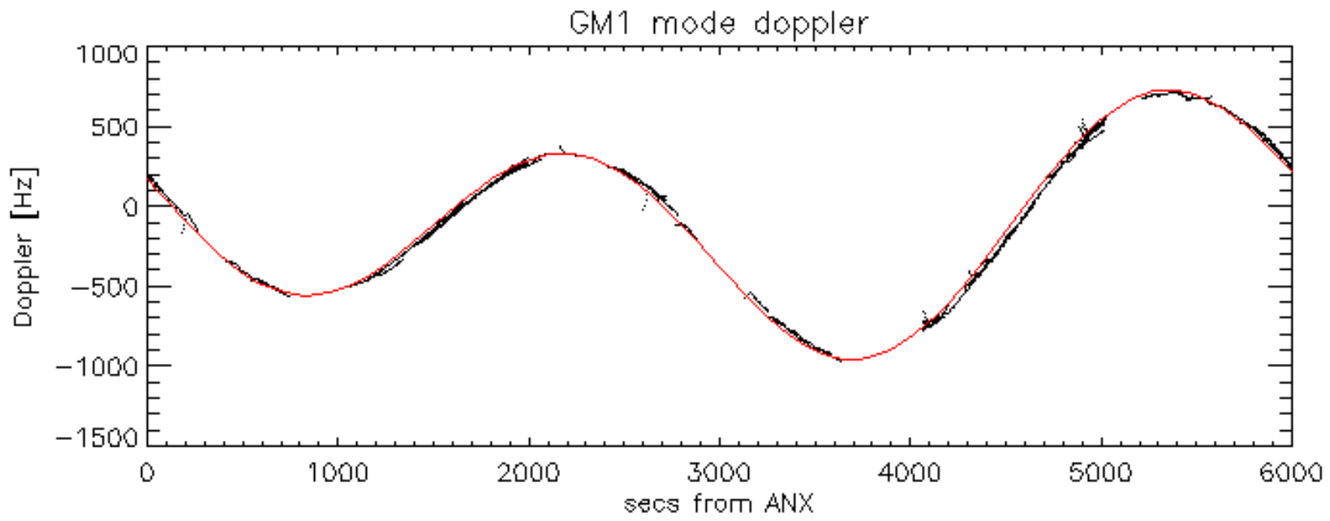
Preliminary report.The data is not yet controled

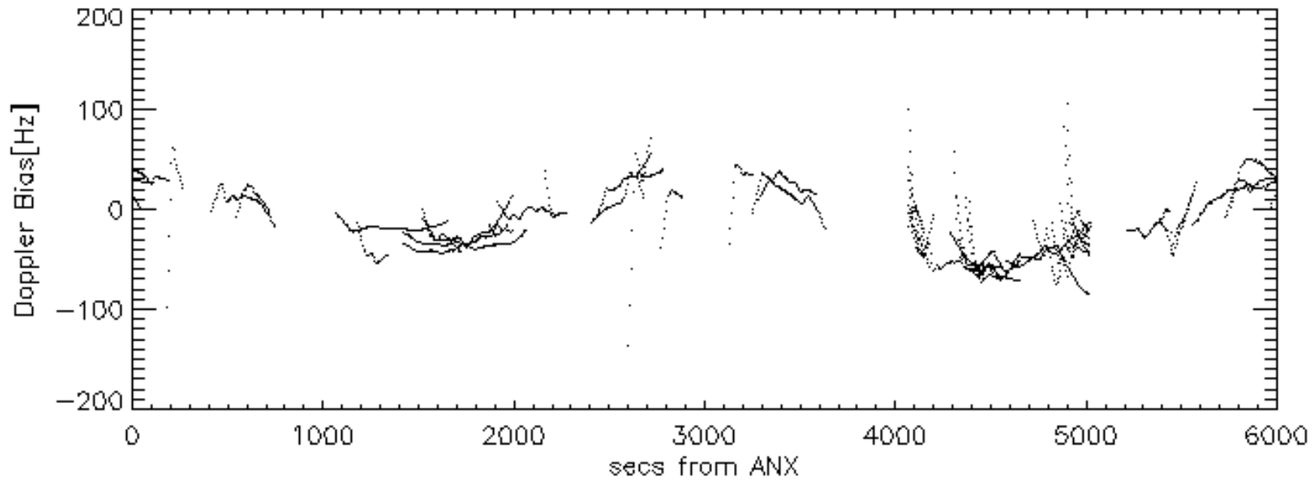

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

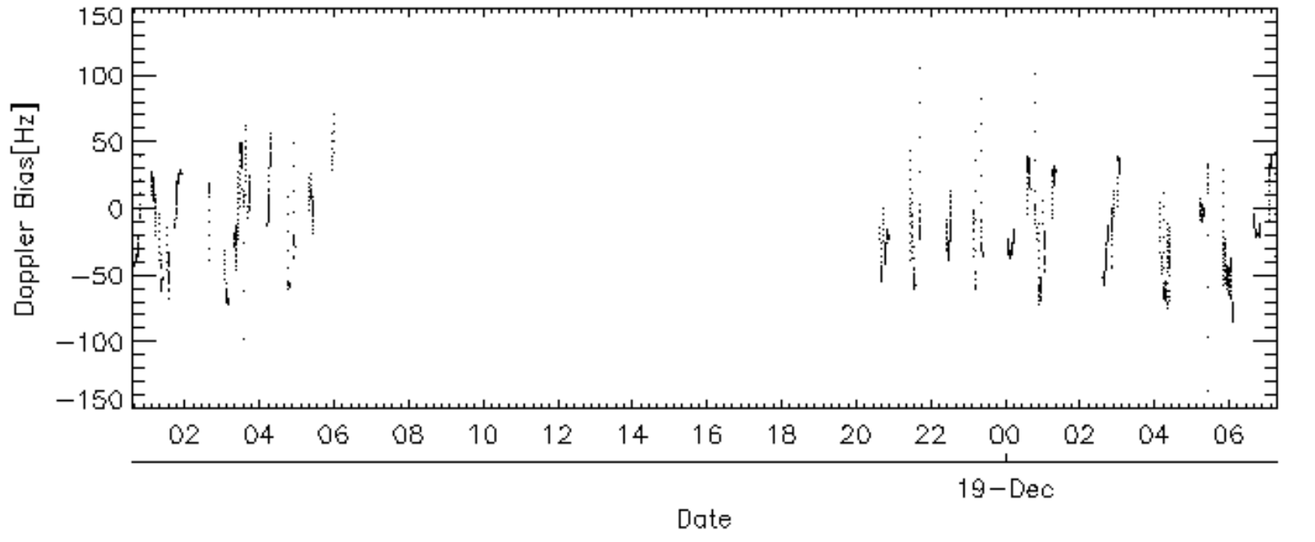

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

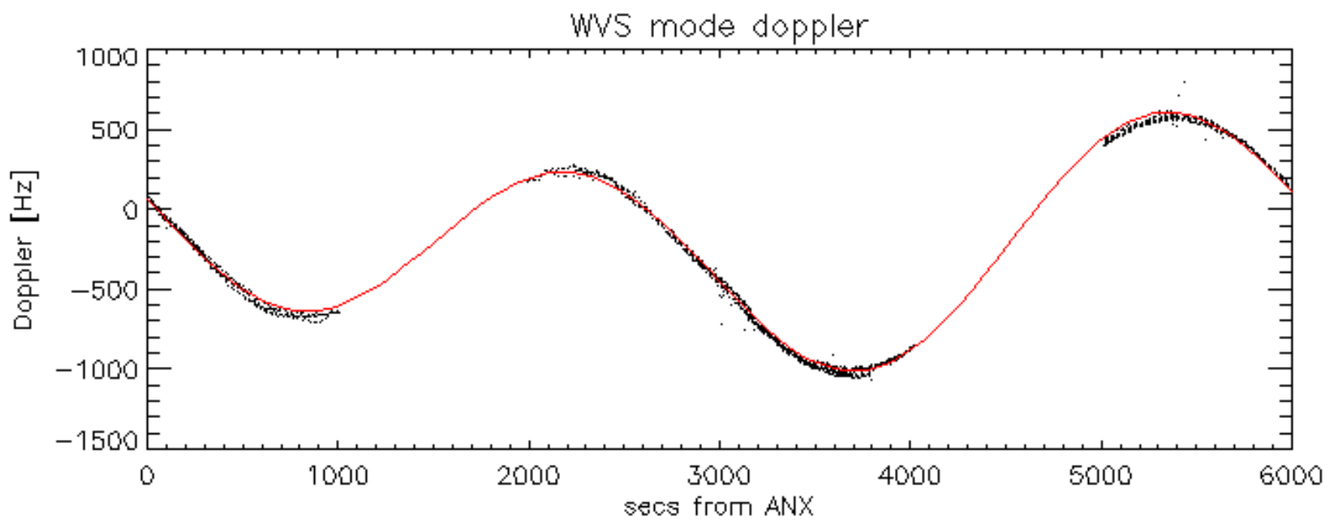

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

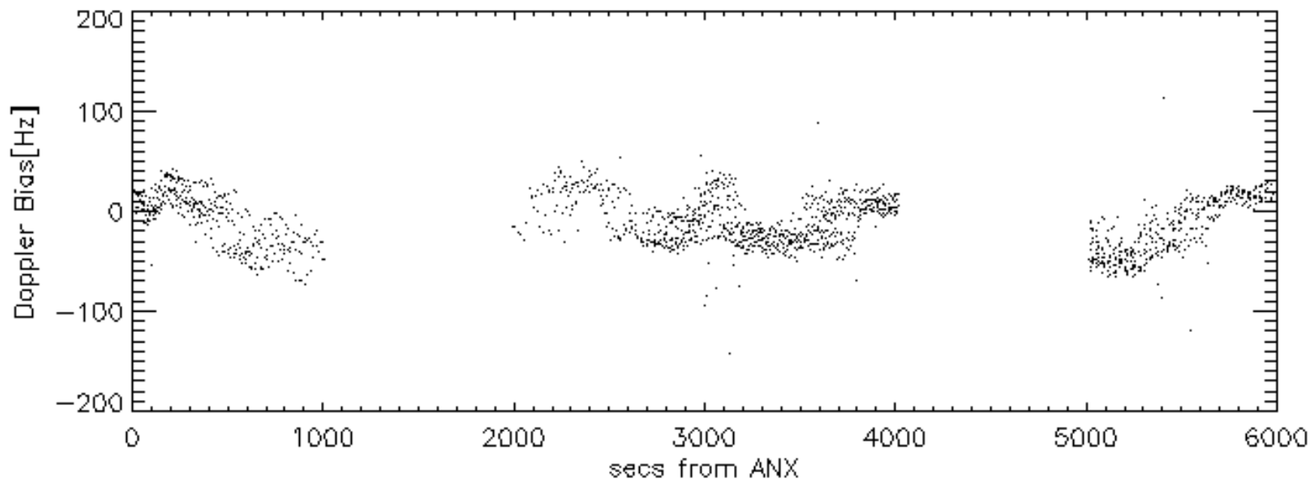

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

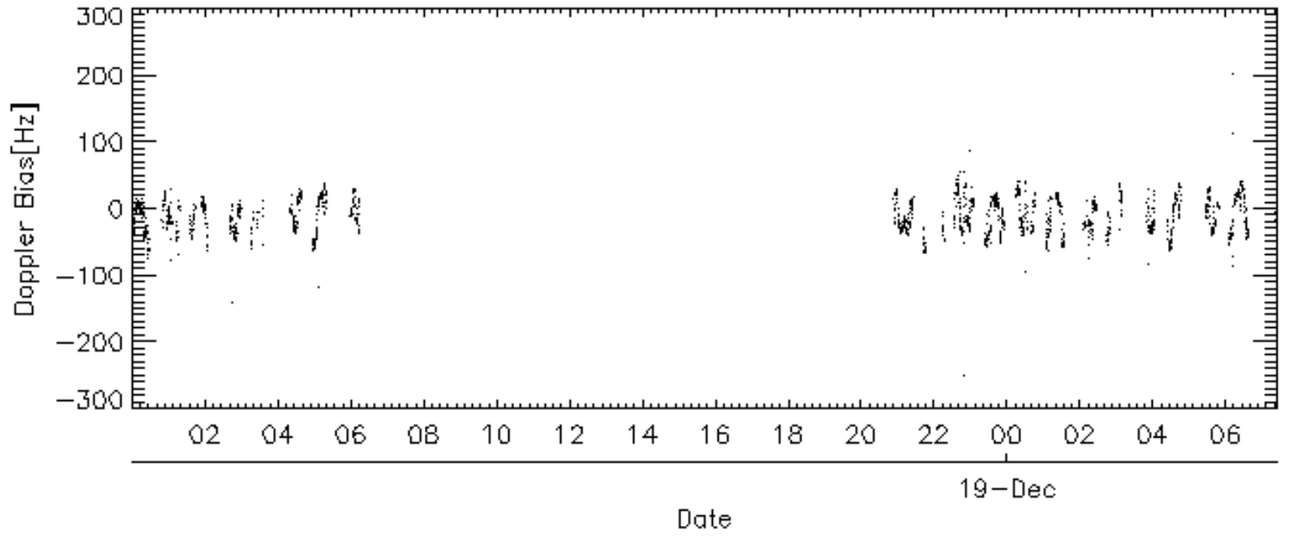

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

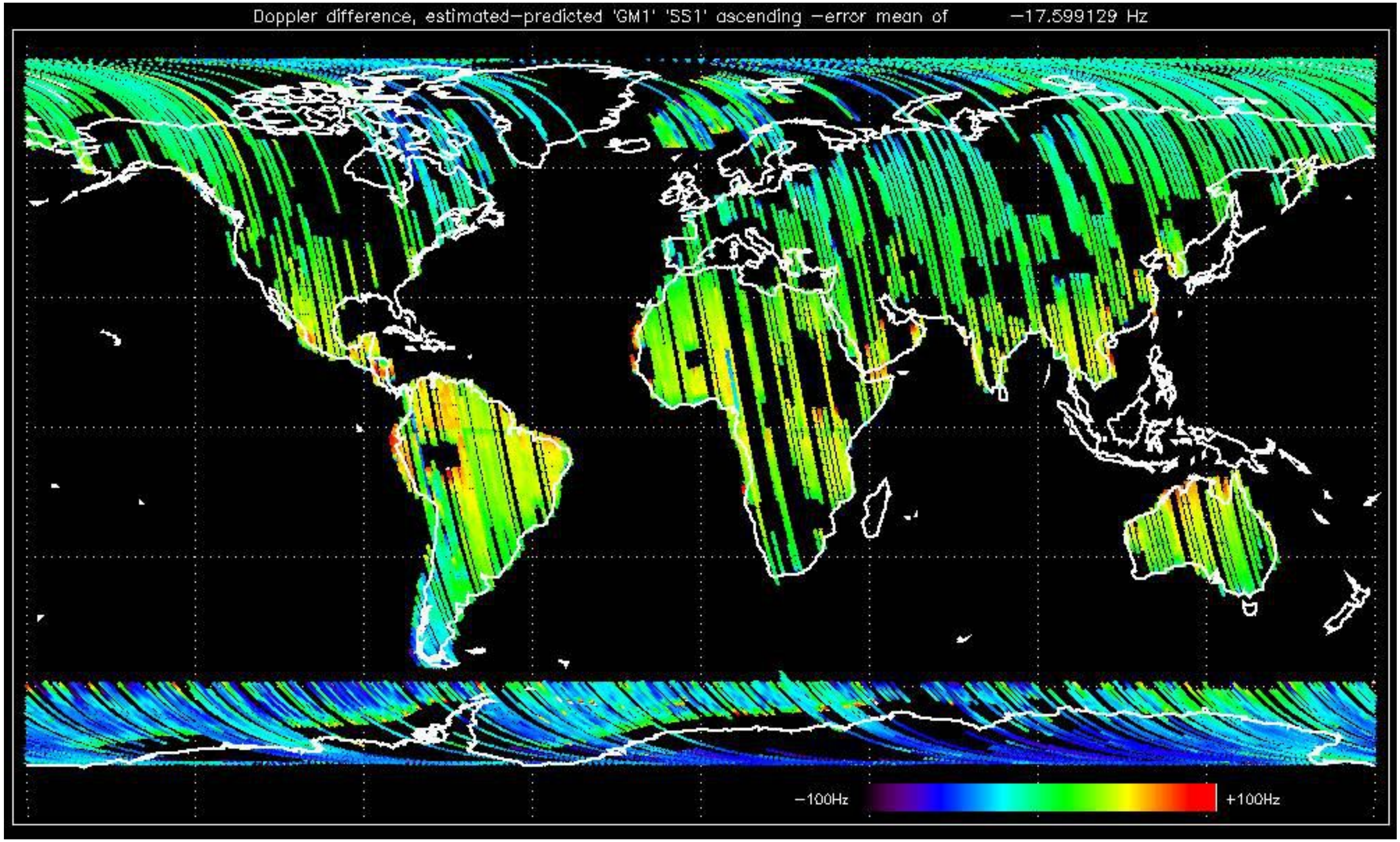

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

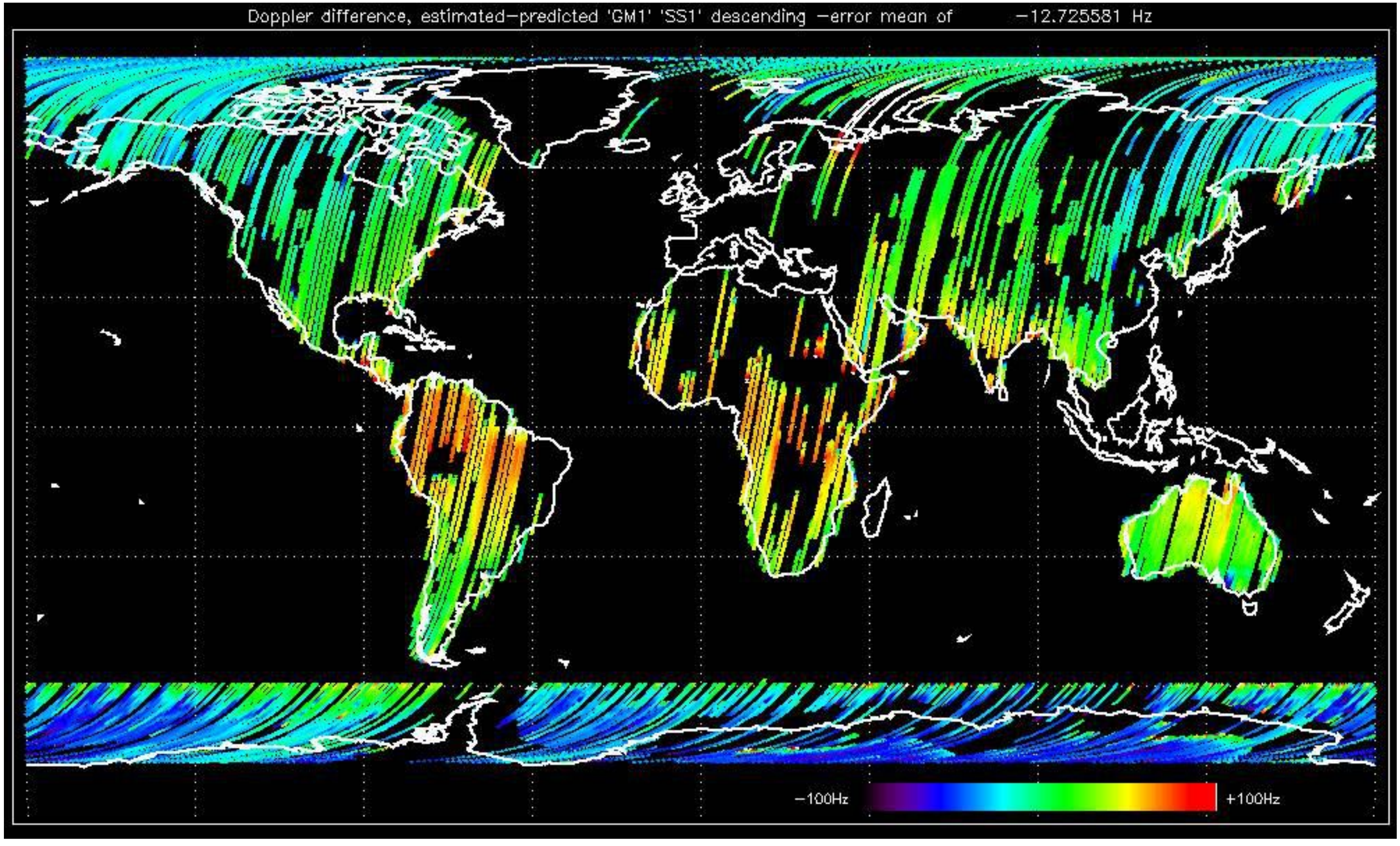

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
19−Dec
Date

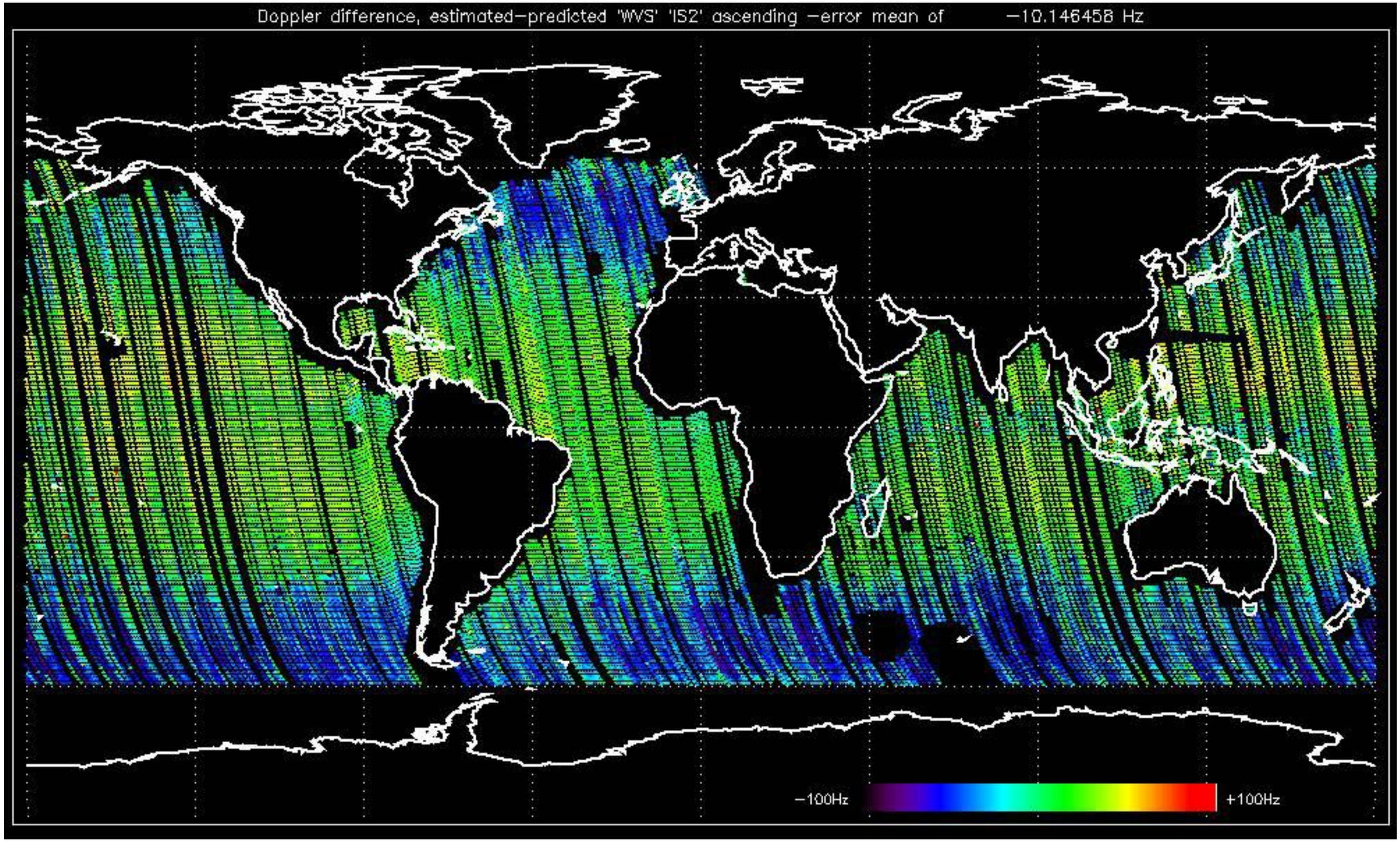

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

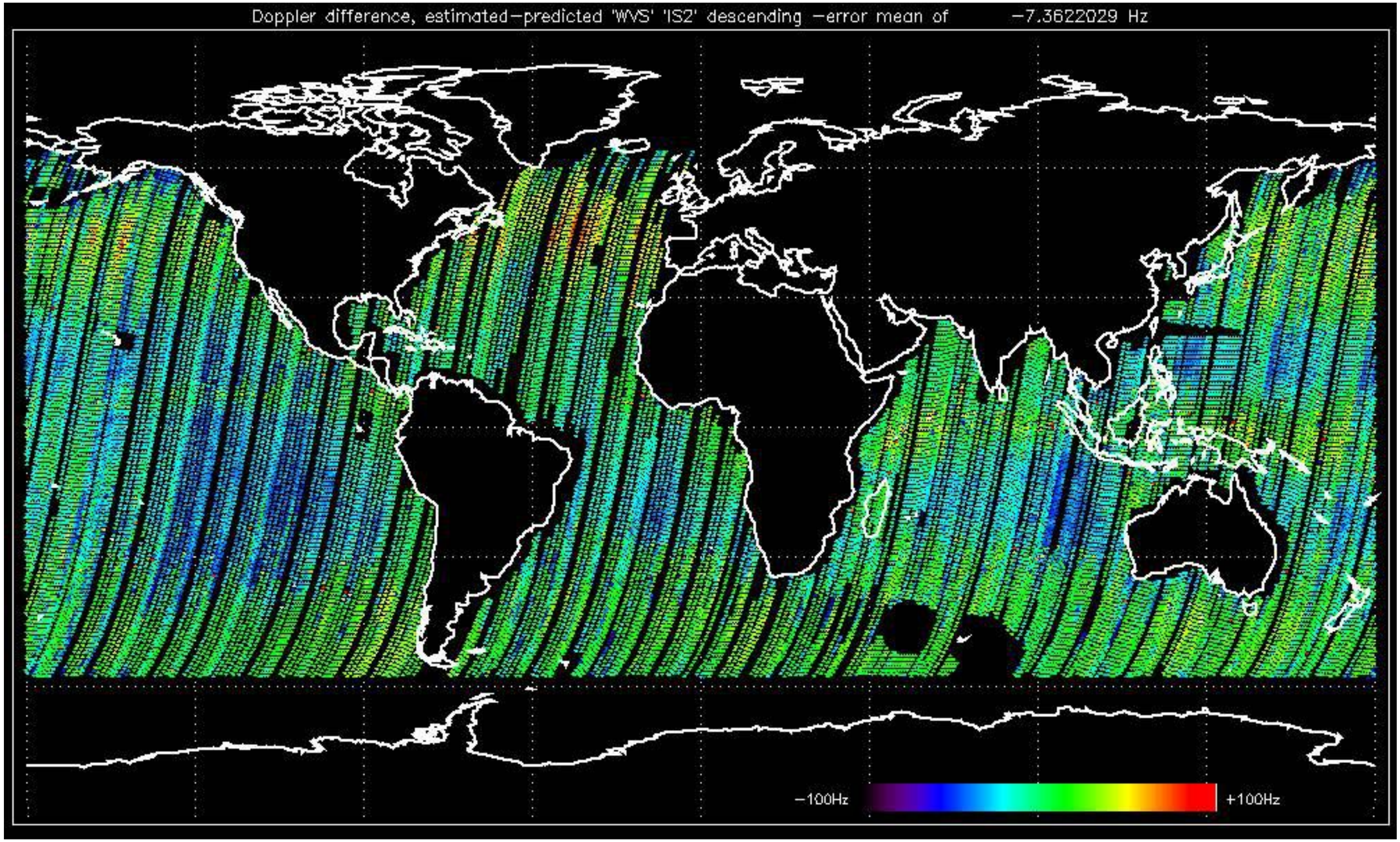

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.599129 Hz
−100Hz
+100Hz

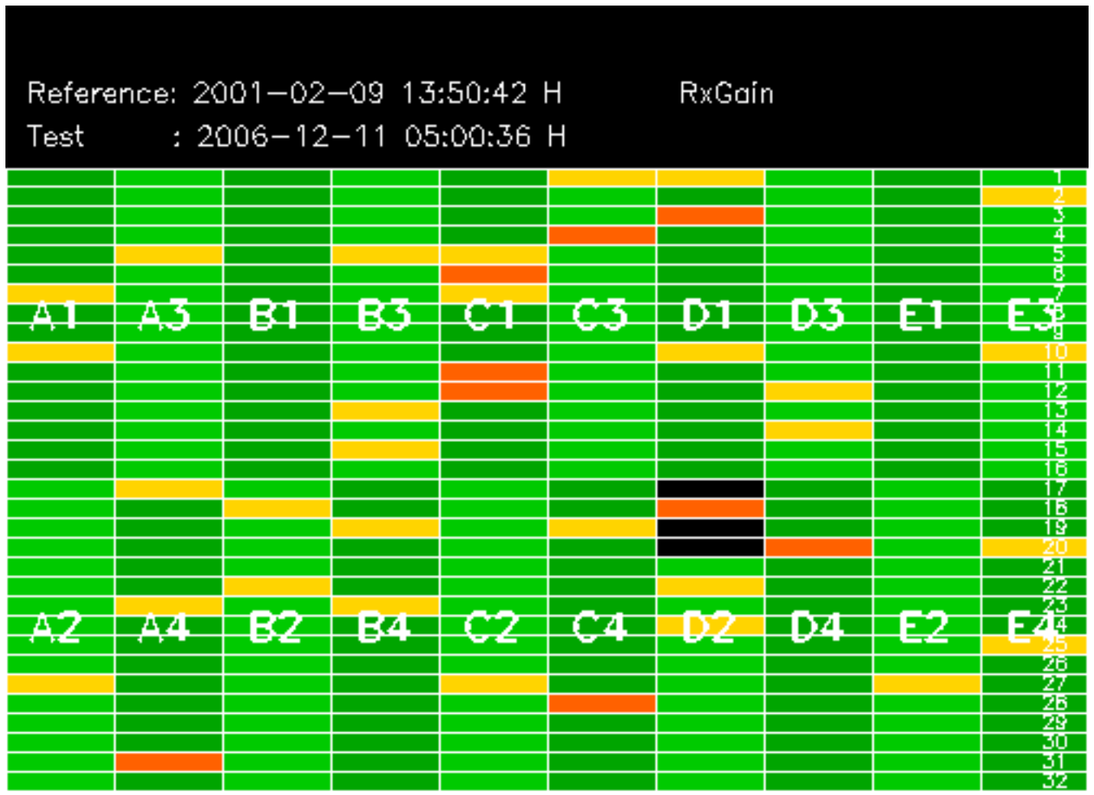

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −12.725581 Hz
−100Hz
+100Hz

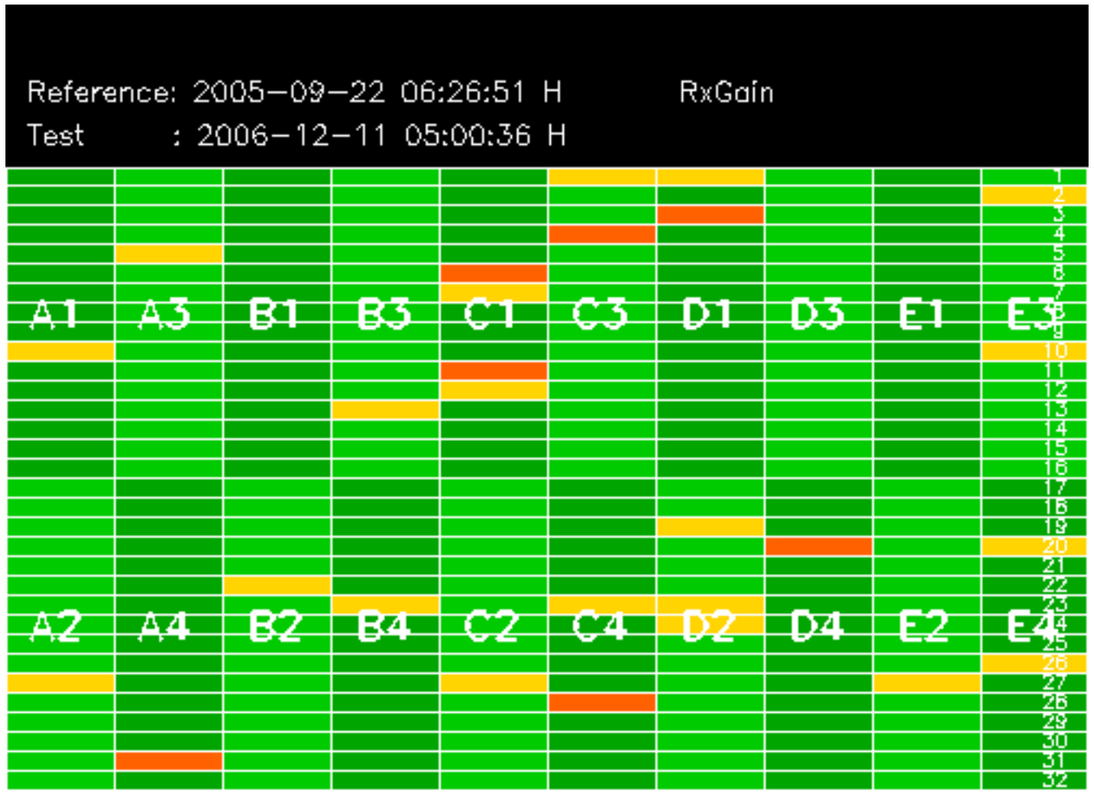

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −10.146458 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.3622029 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-11 05:00:36 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-11 05:00:36 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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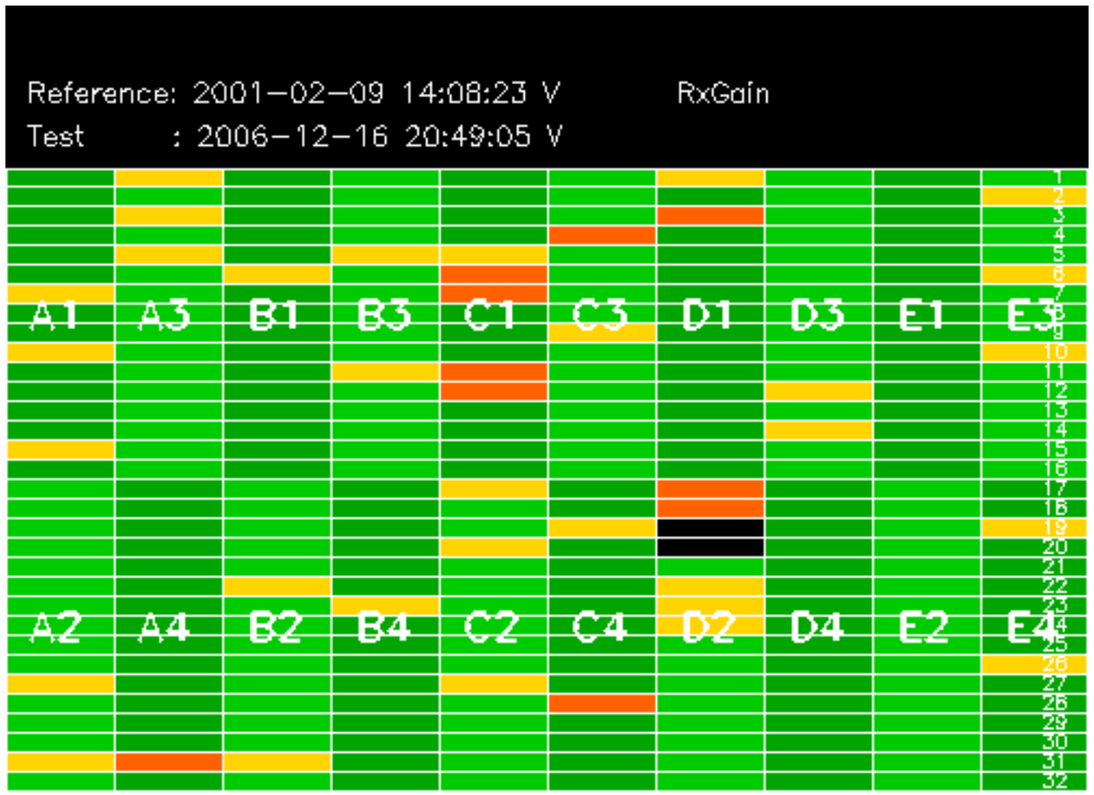
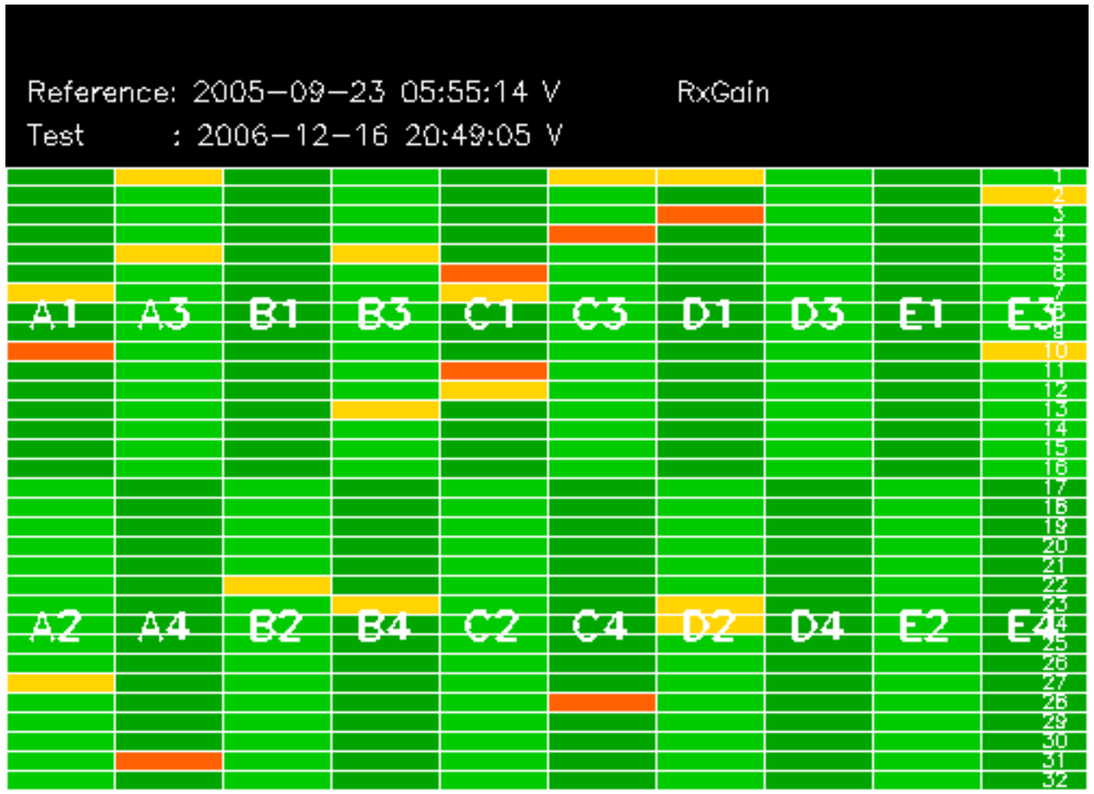

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-16 20:49:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-16 20:49:05 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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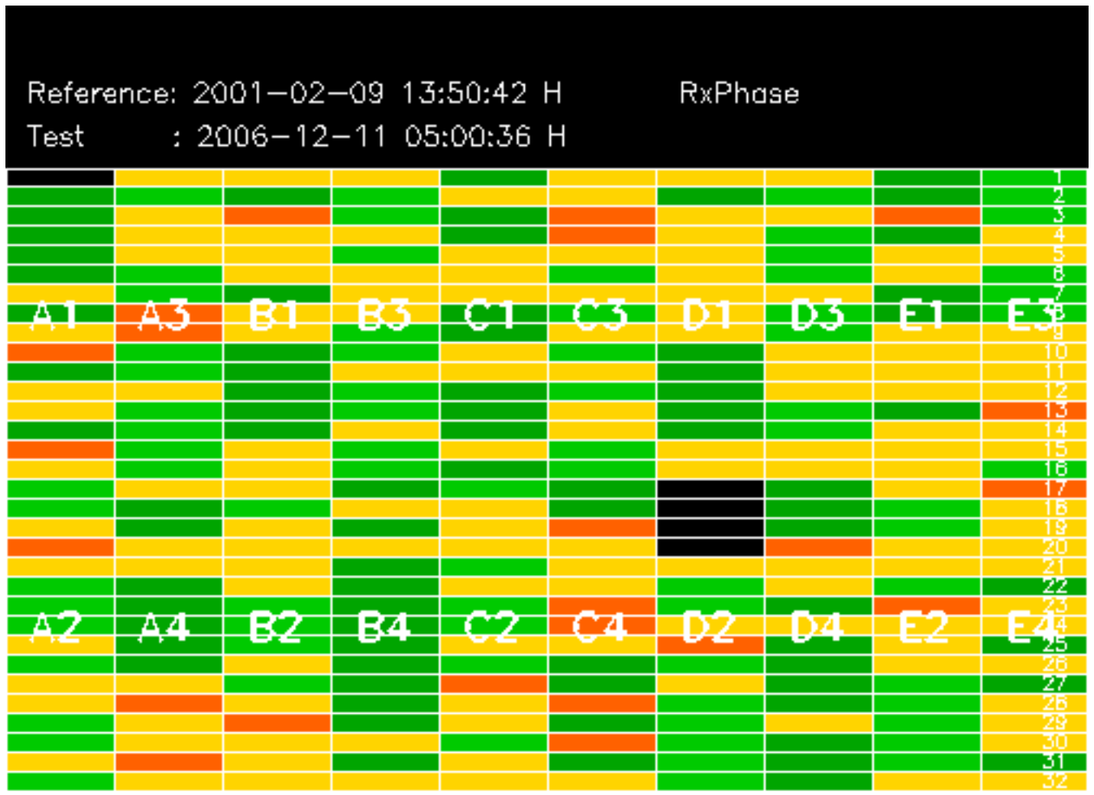
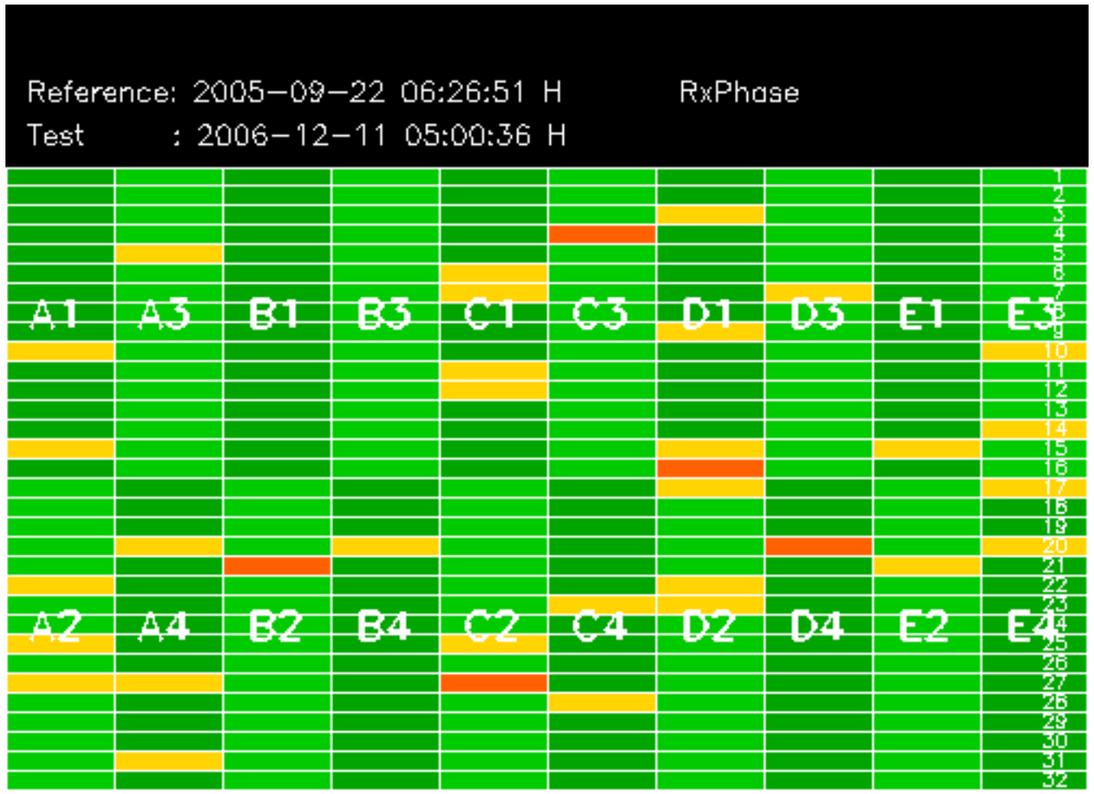

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-12-11 05:00:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2006-12-11 05:00:36 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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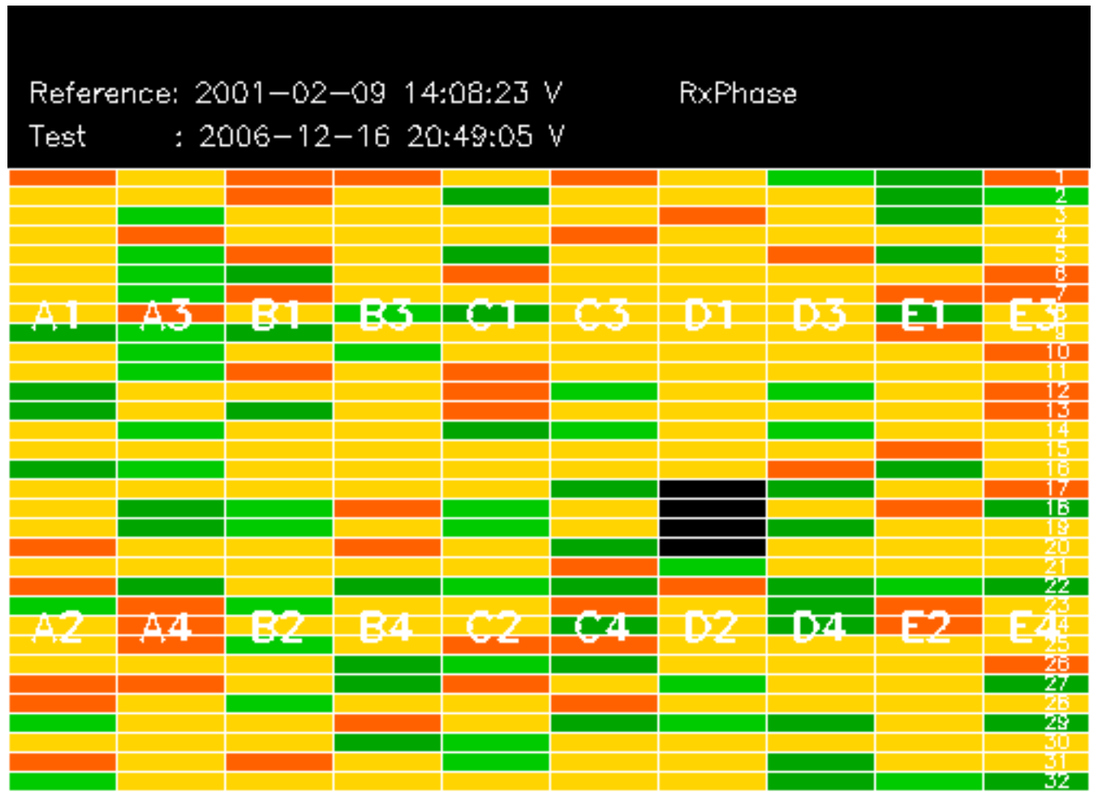
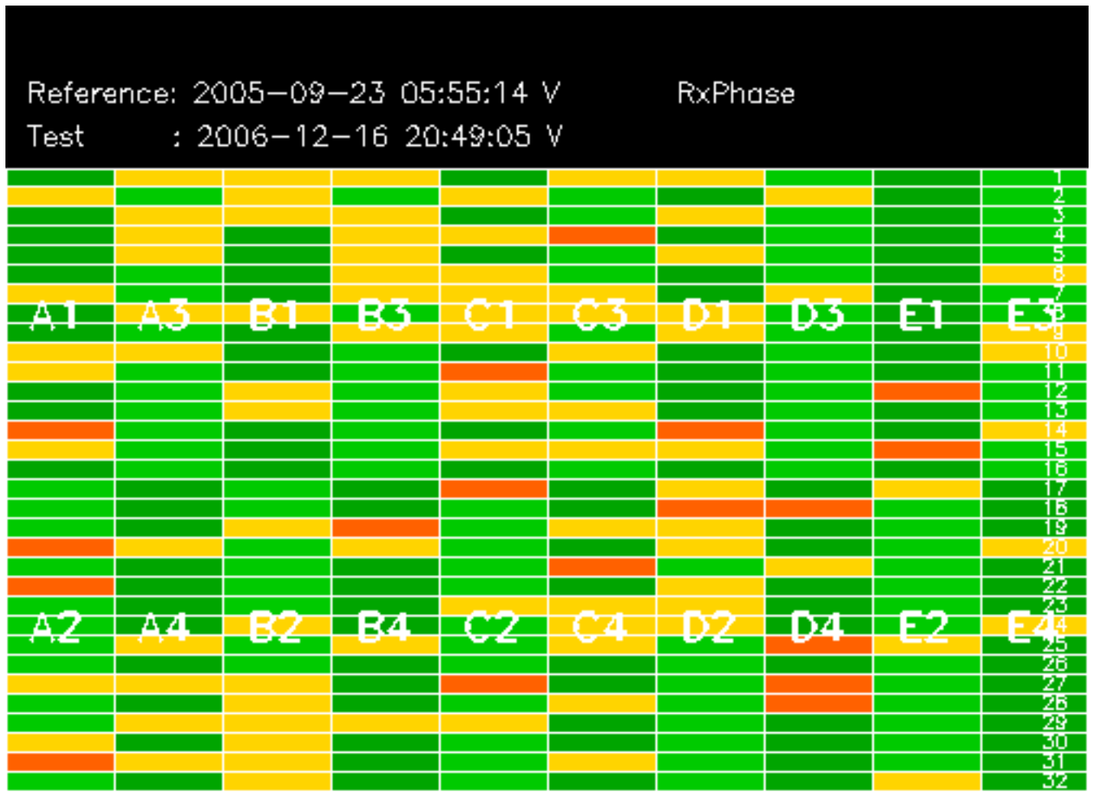

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-16 20:49:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-16 20:49:05 V
RxPhase
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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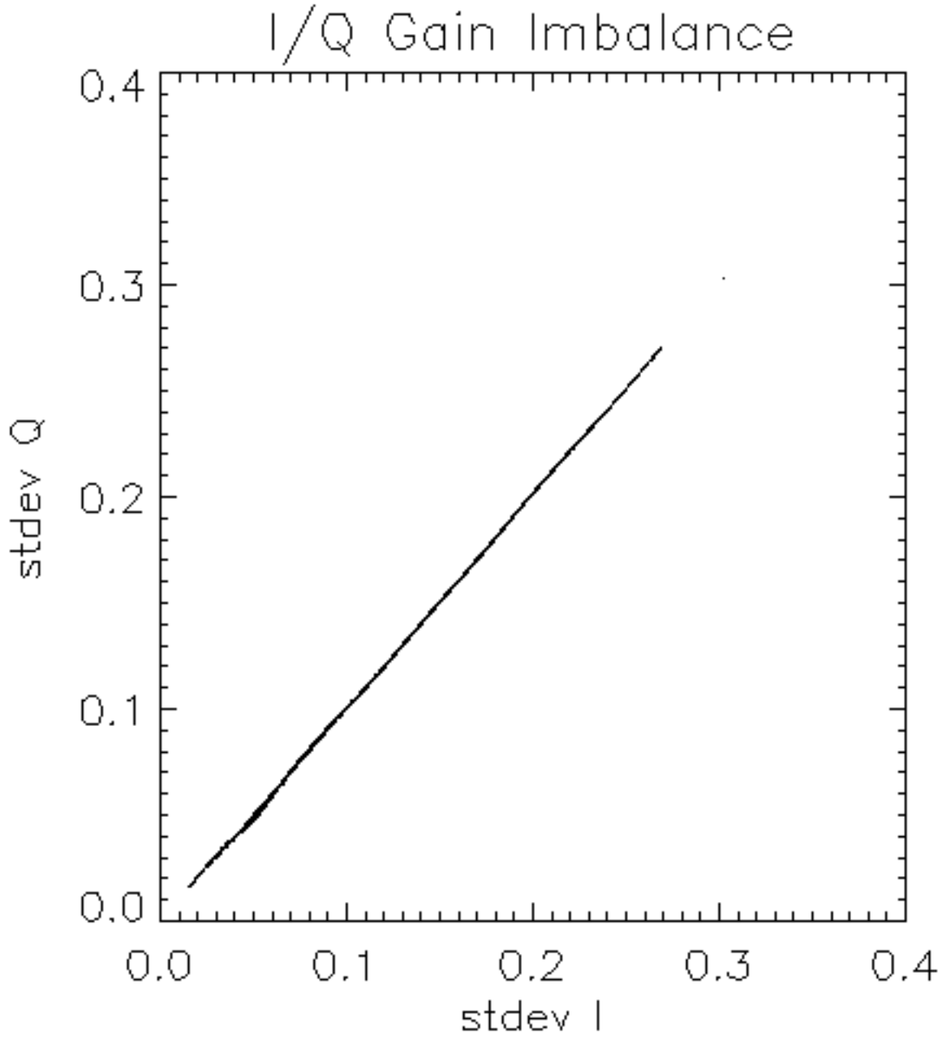
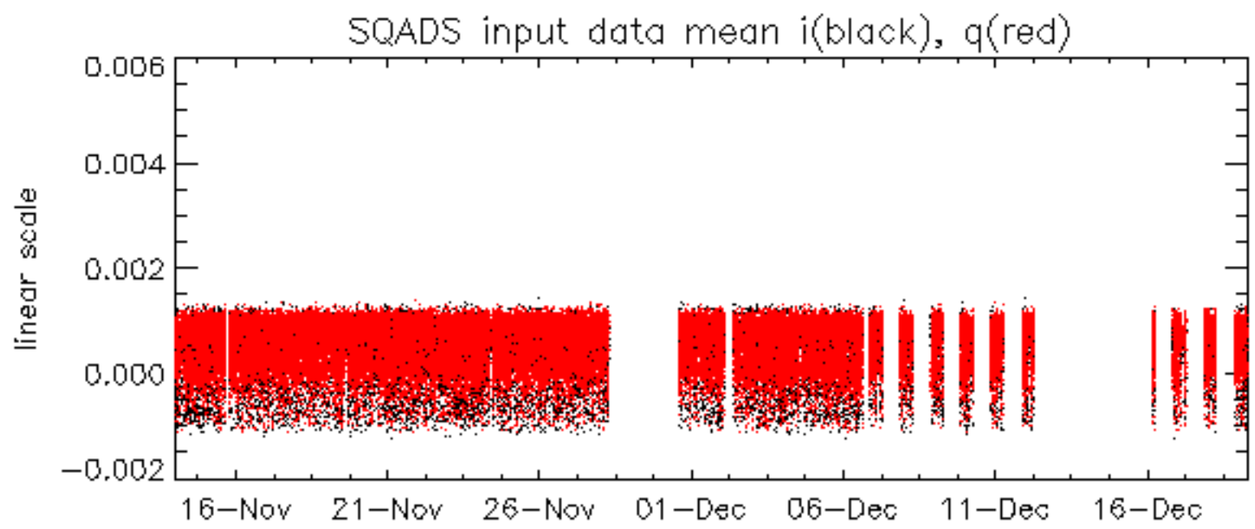
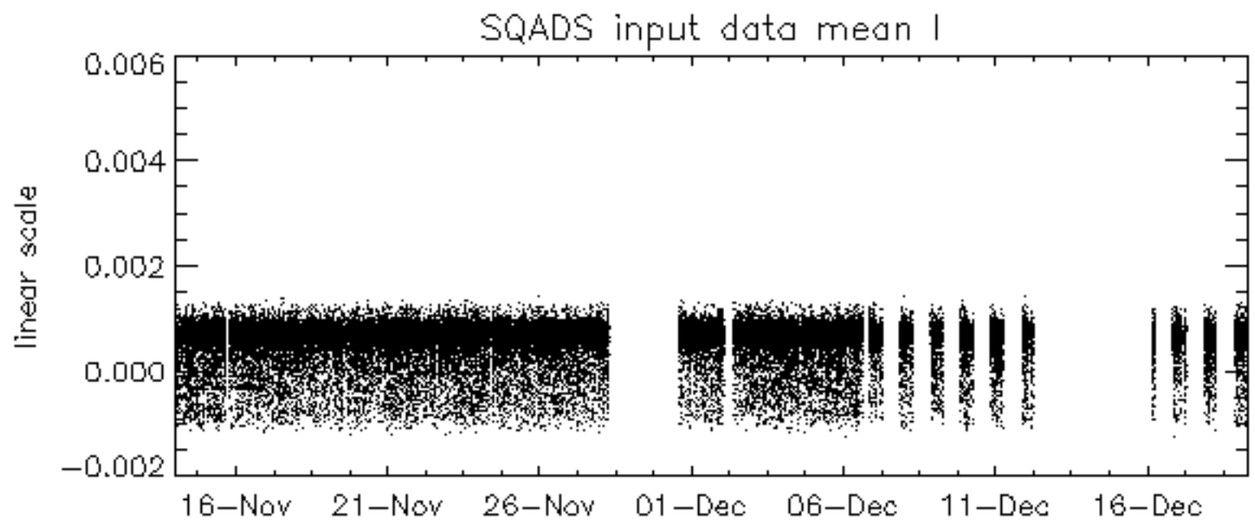
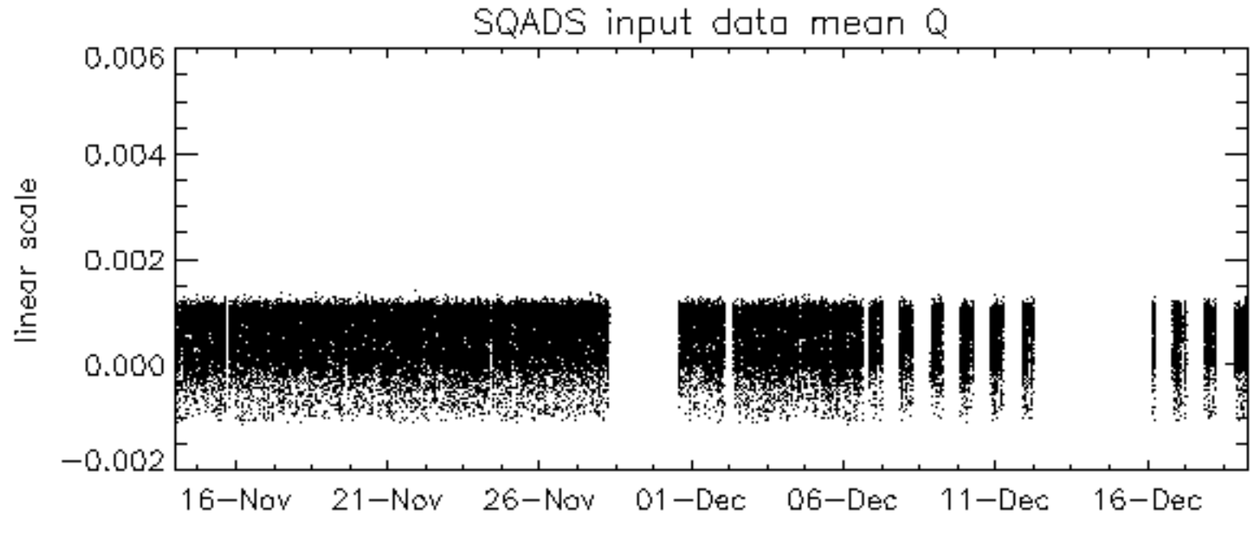
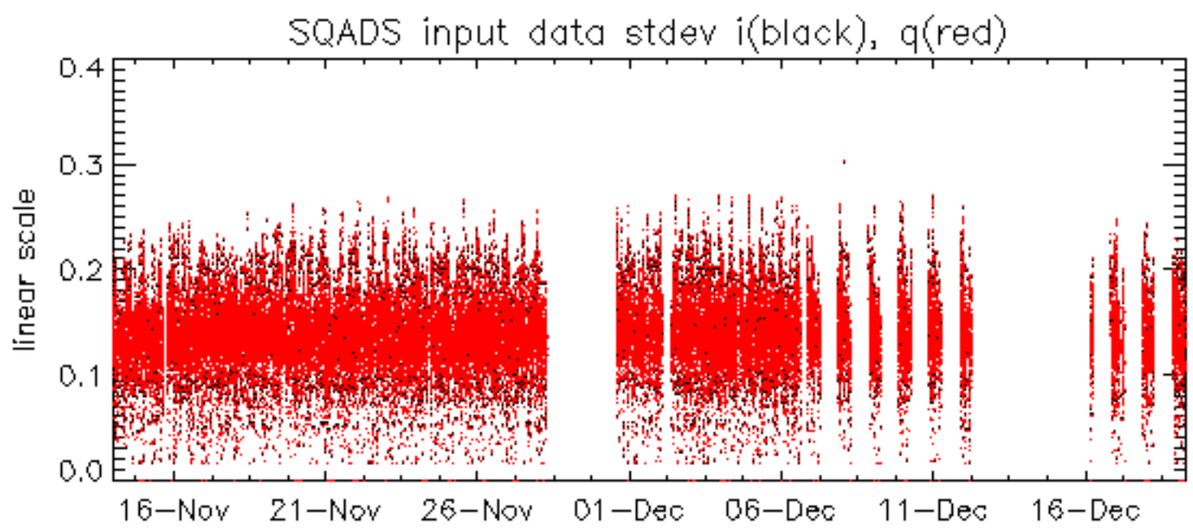
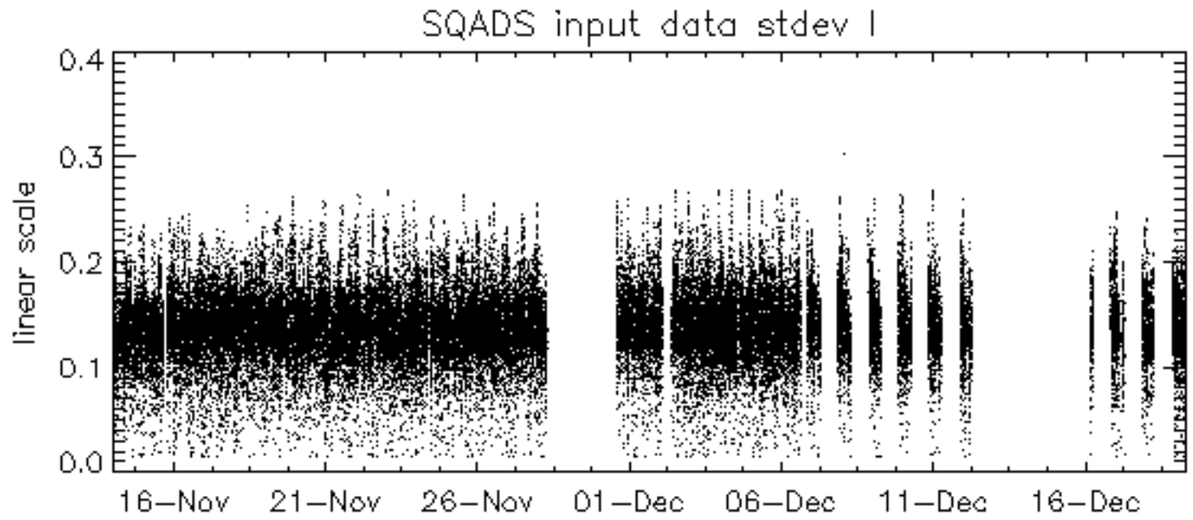

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

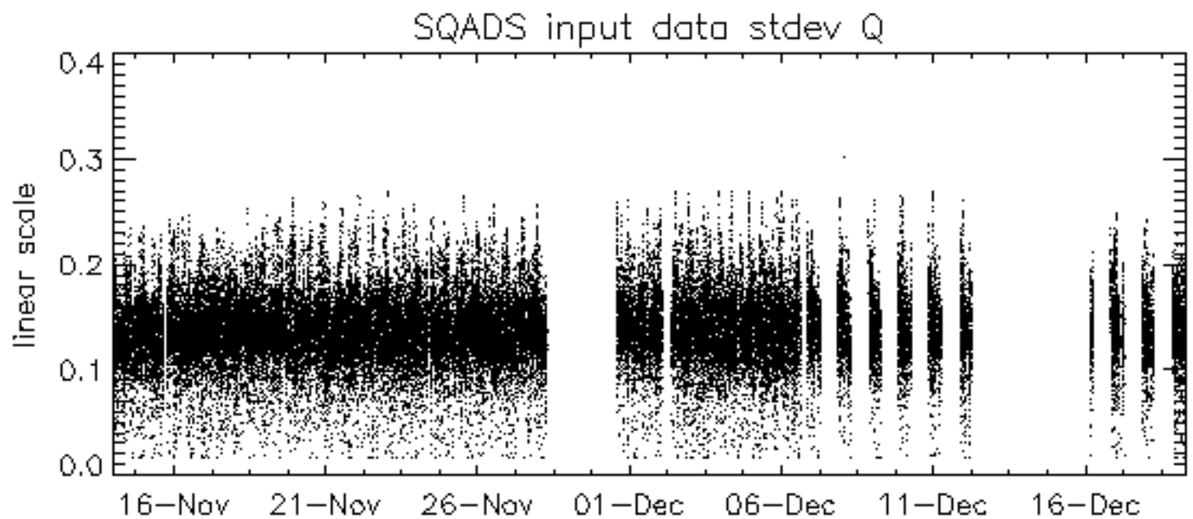

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Nov
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec

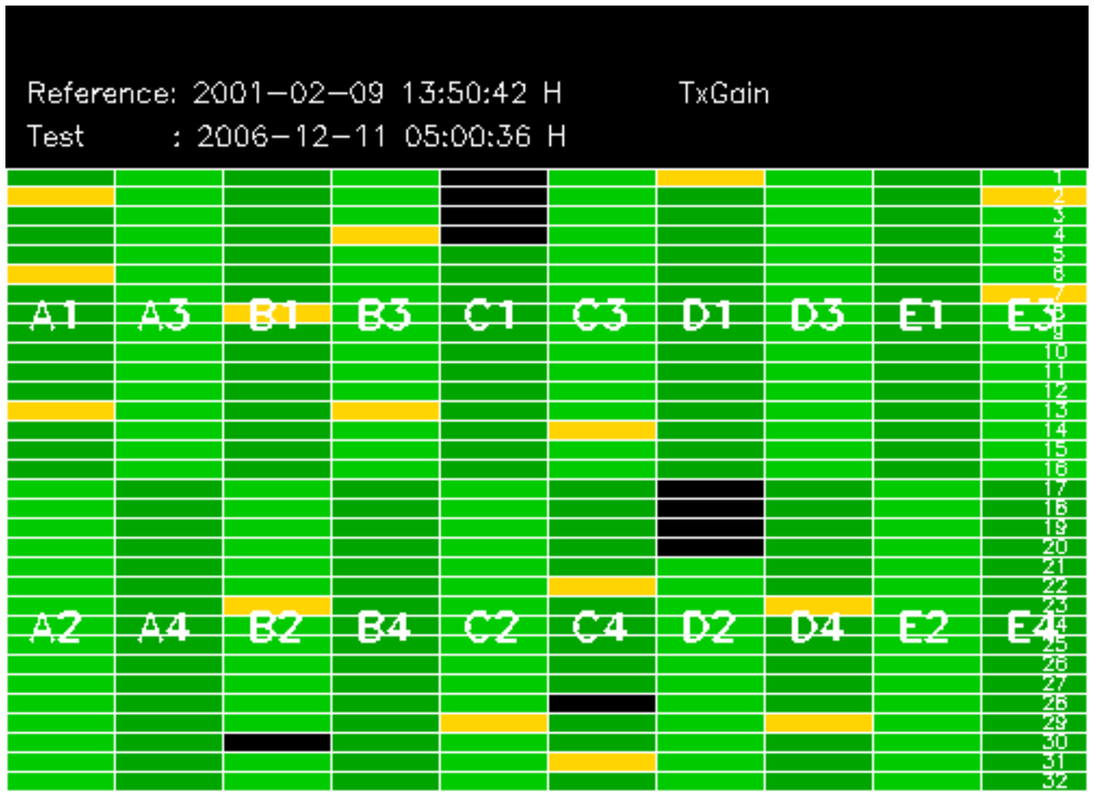

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Nov
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec

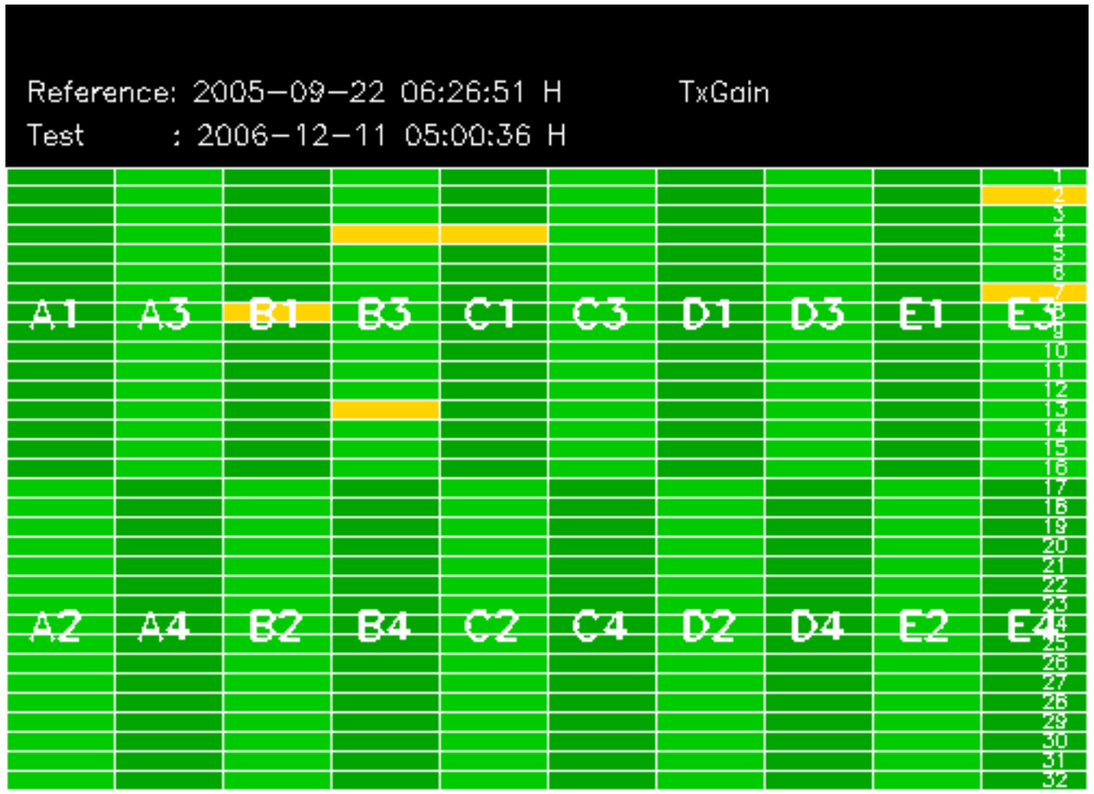

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Nov
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-11 05:00:36 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2006-12-11 05:00:36 H
TxGain
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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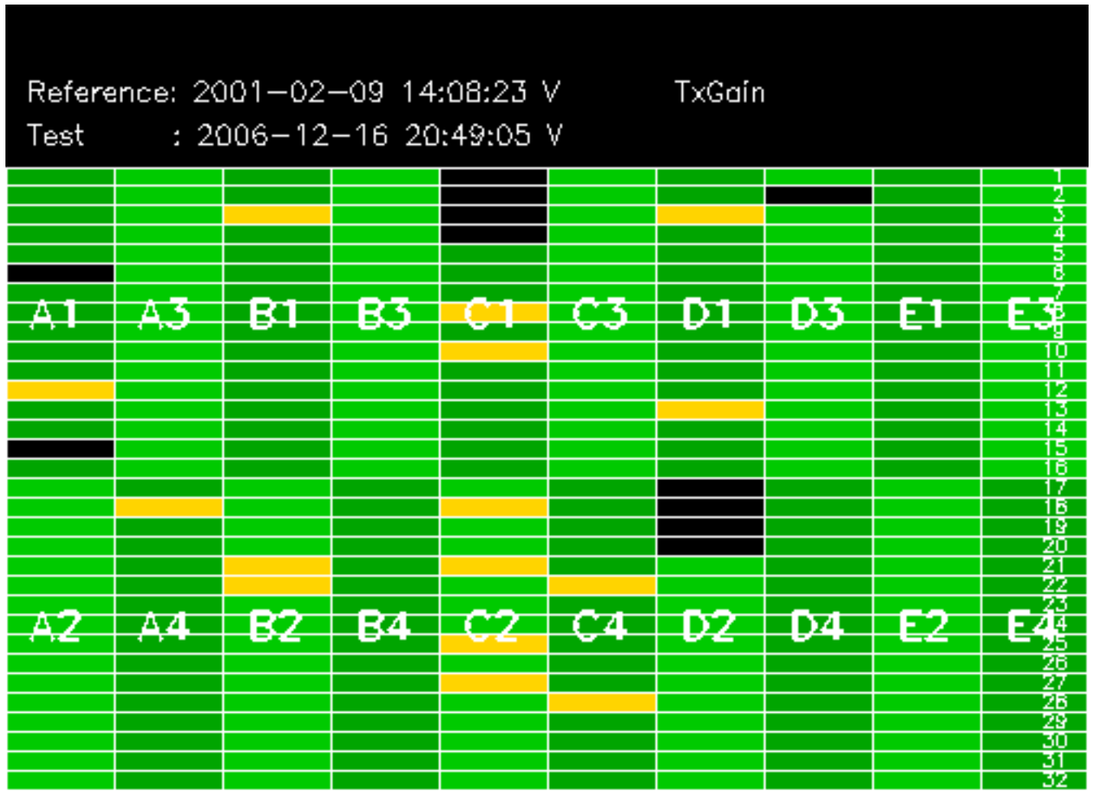
Reference: 2001-02-09 14:08:23 V
Test : 2006-12-16 20:49:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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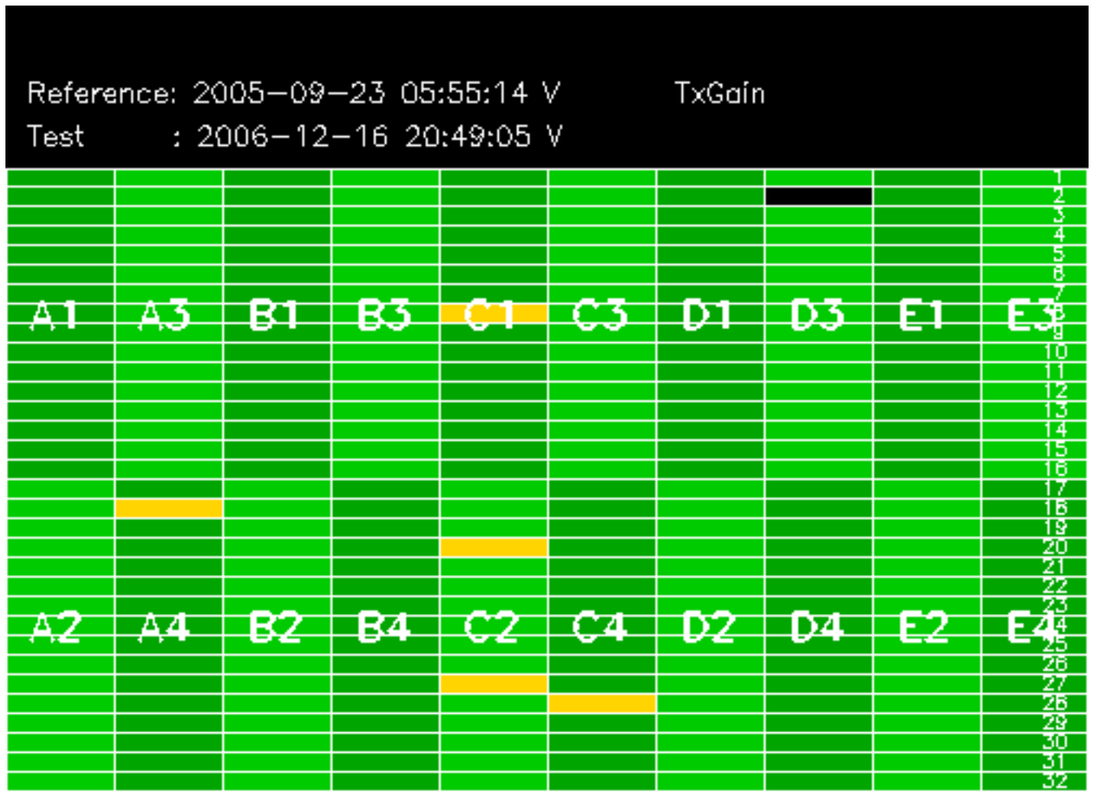
Reference: 2005-09-23 05:55:14 V
Test : 2006-12-16 20:49:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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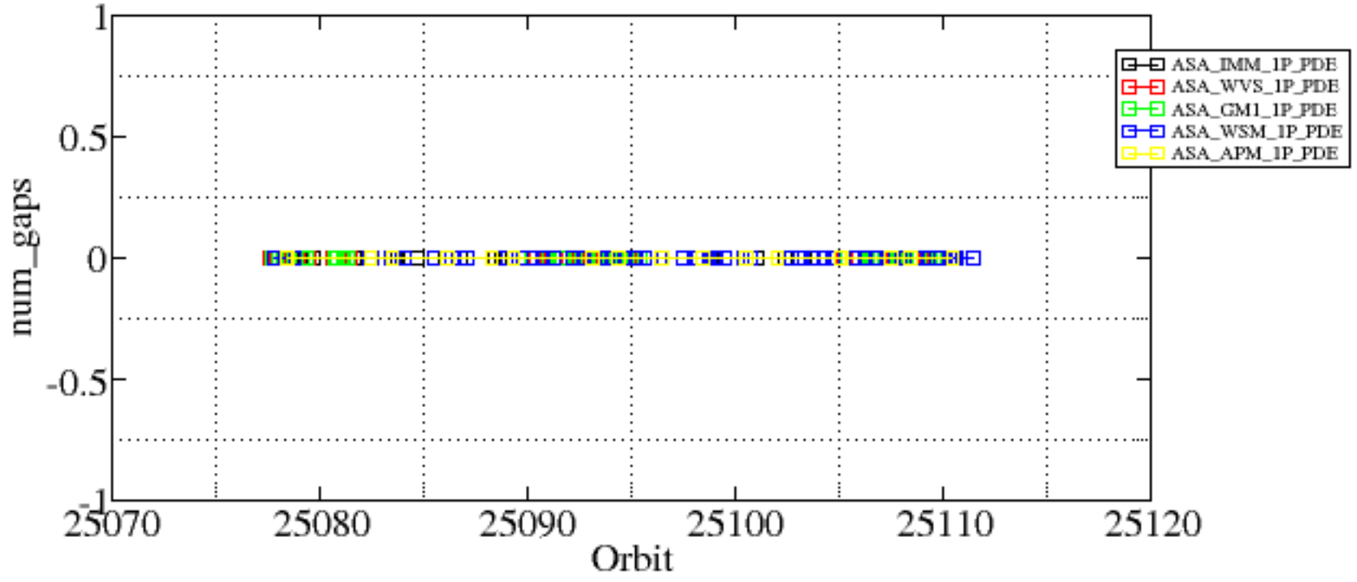
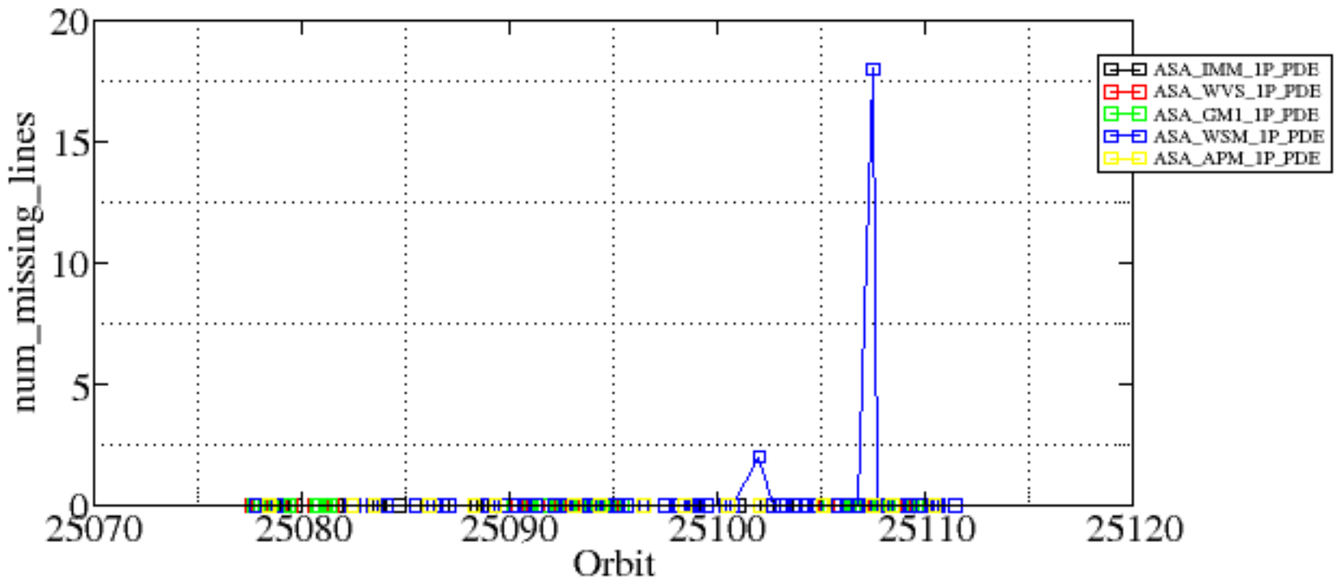
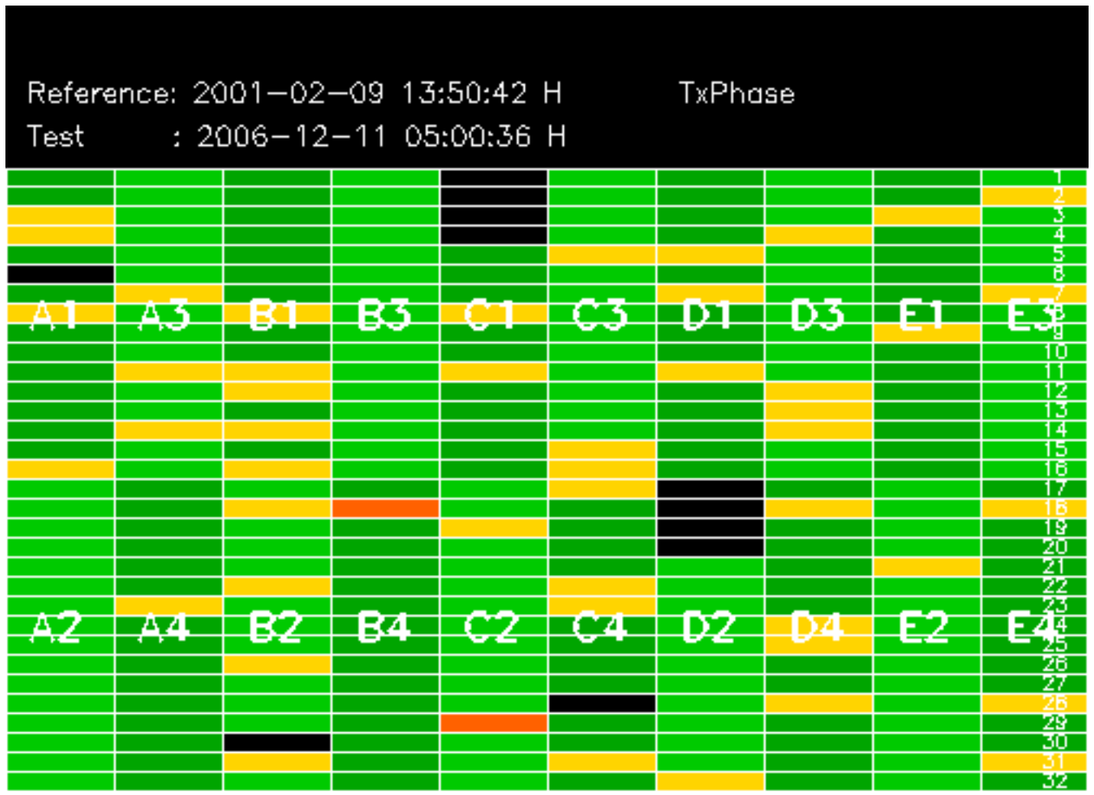
Summary of analysis for the last 3 days 2006121[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20061218_165907_000000852053_00499_25102_3527.N1 </td> <td>0 </td> <td>2 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061219_020903_000001152054_00003_25107_4095.N1 </td> <td>0 </td> <td>18 </td></tr>
</table><br><br><br>


num_gaps
1
0.5
0
-0.5
-1
25070
25080
25090
25100
25110
25120
Orbit
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE


num_missing_lines
Orbit
20
15
10
5
0
25070
25080
25090
25100
25110
25120
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-11 05:00:36 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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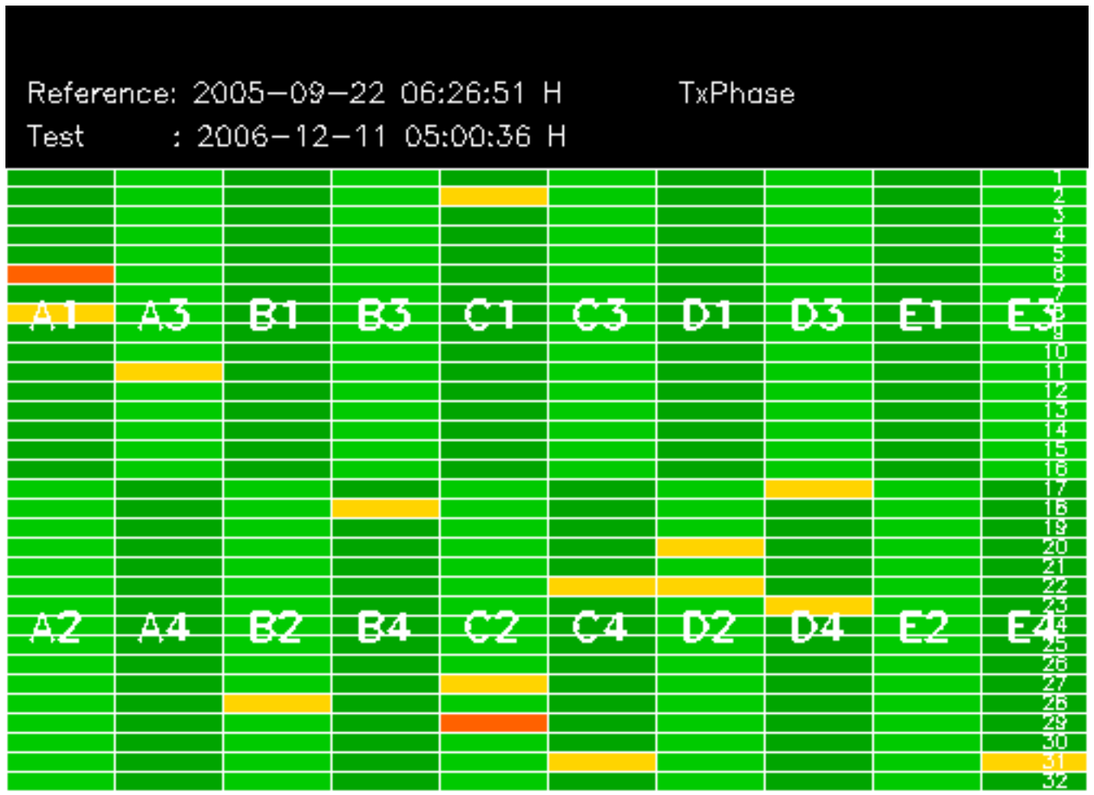
Reference: 2005-09-22 06:26:51 H
Test : 2006-12-11 05:00:36 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
D2
D4
E2
E4
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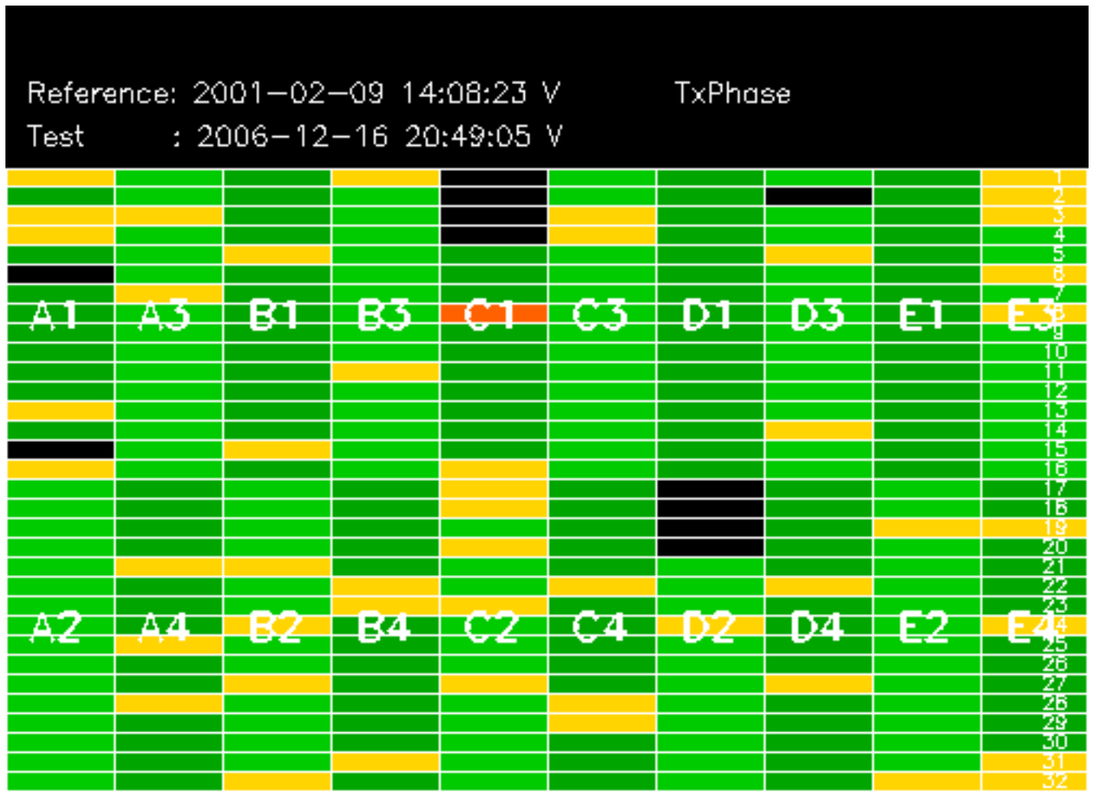
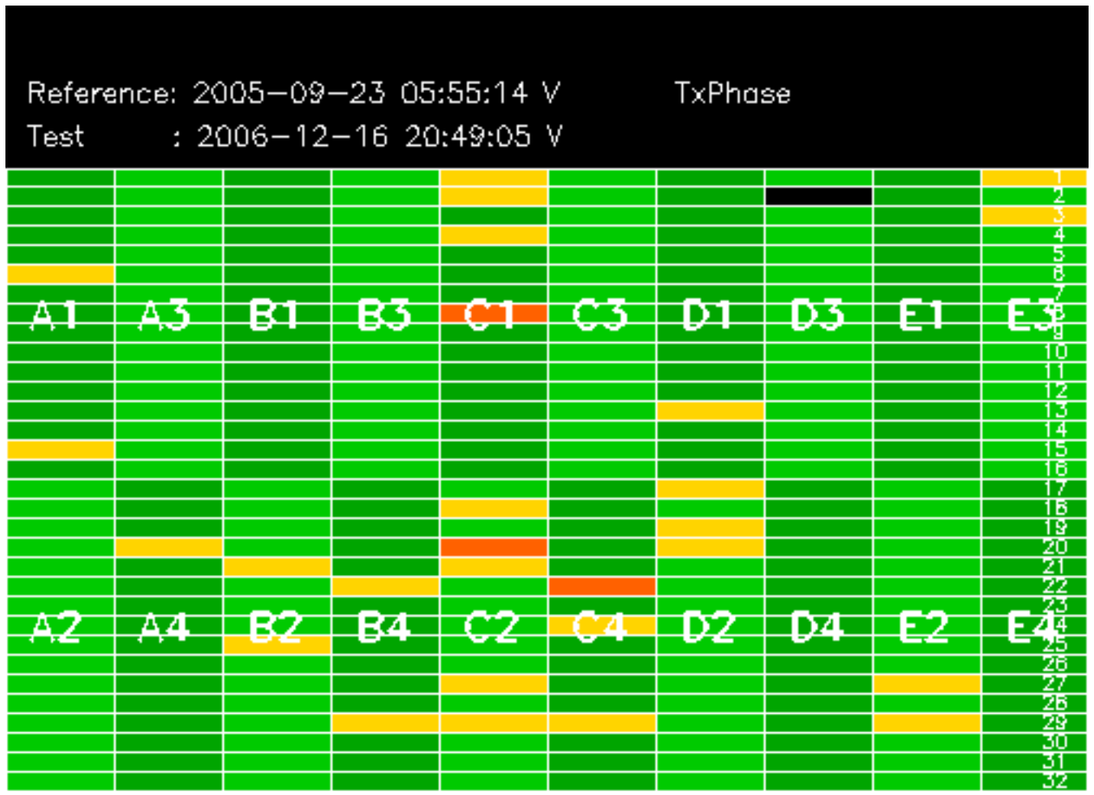

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-16 20:49:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-16 20:49:05 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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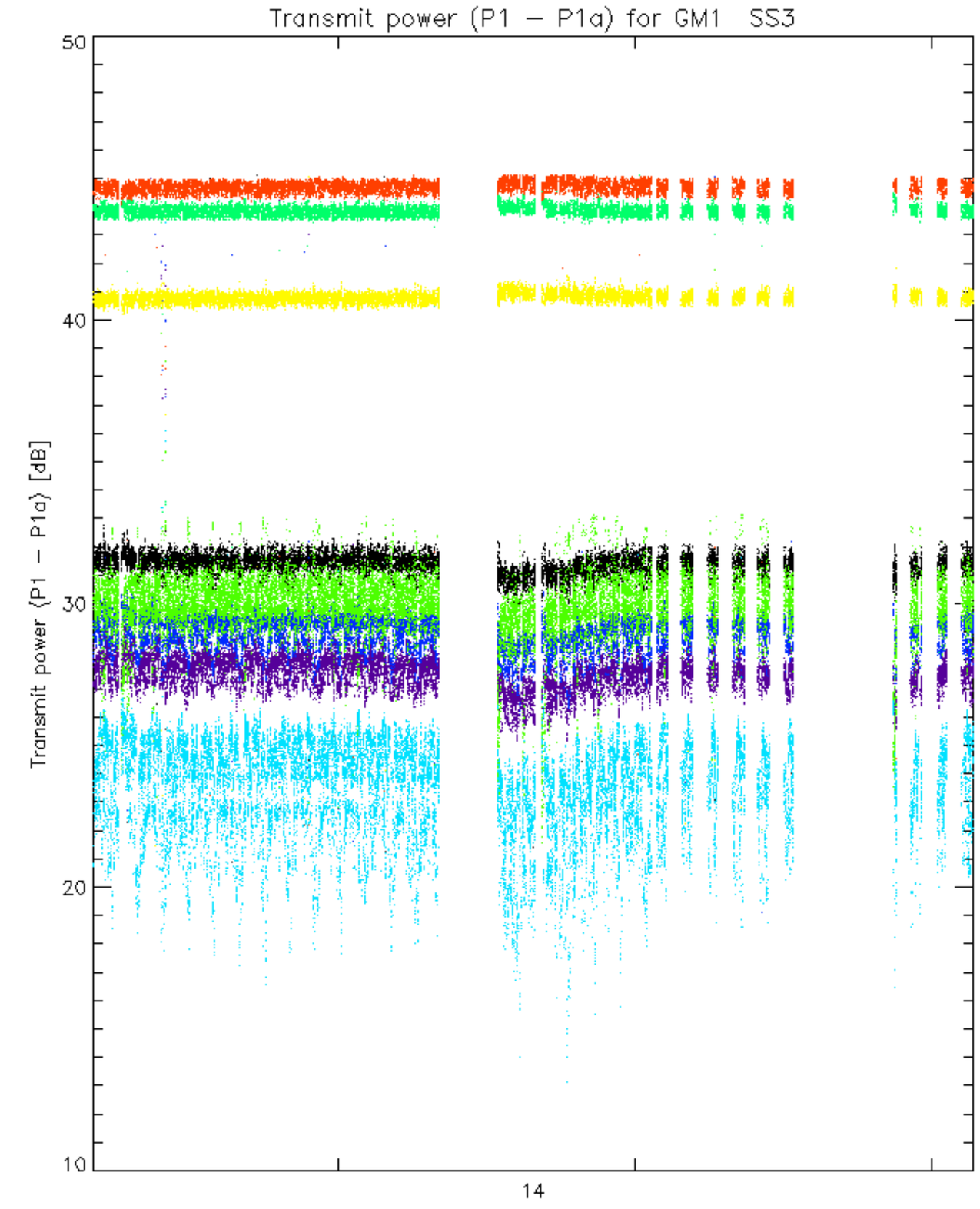
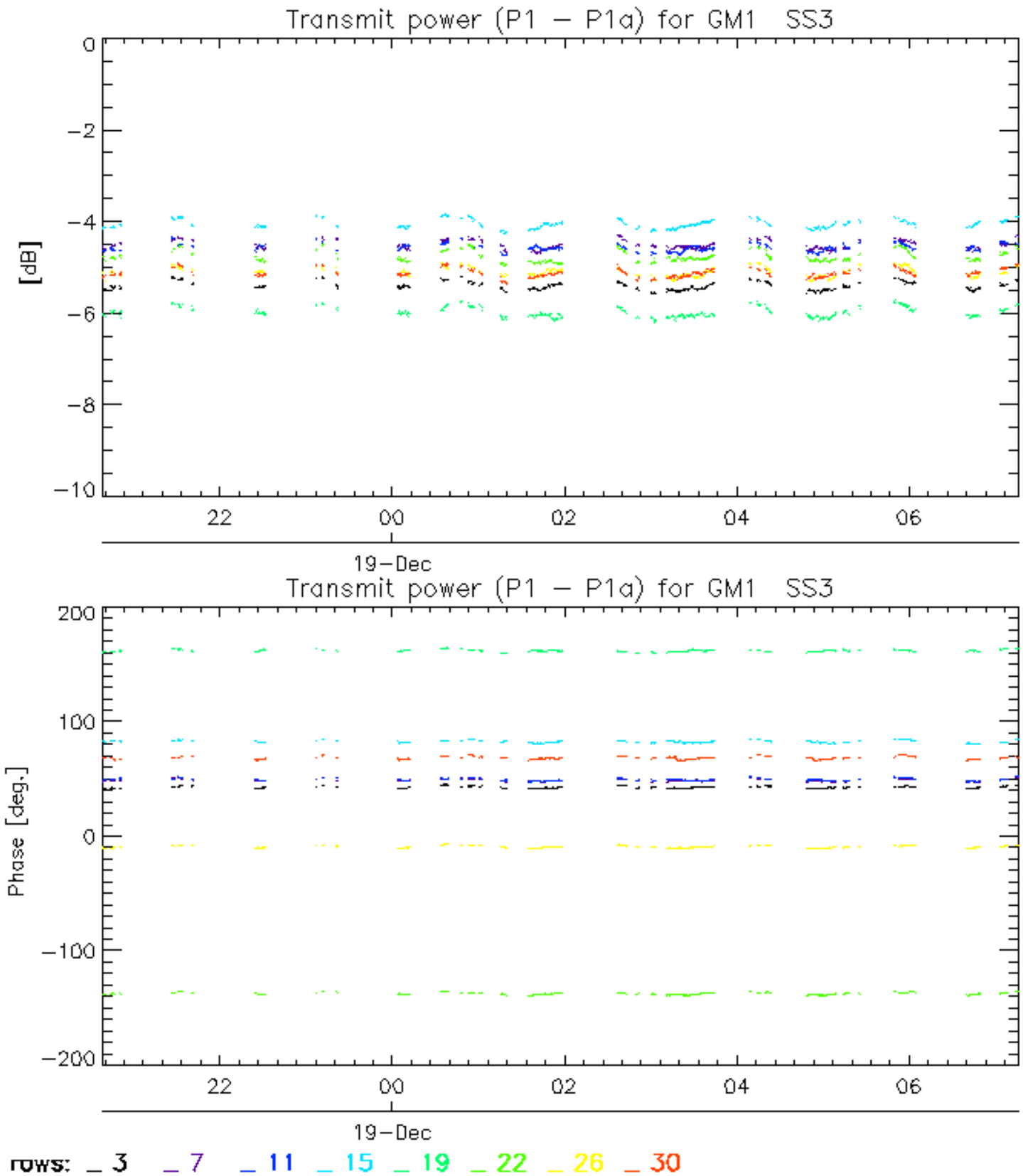
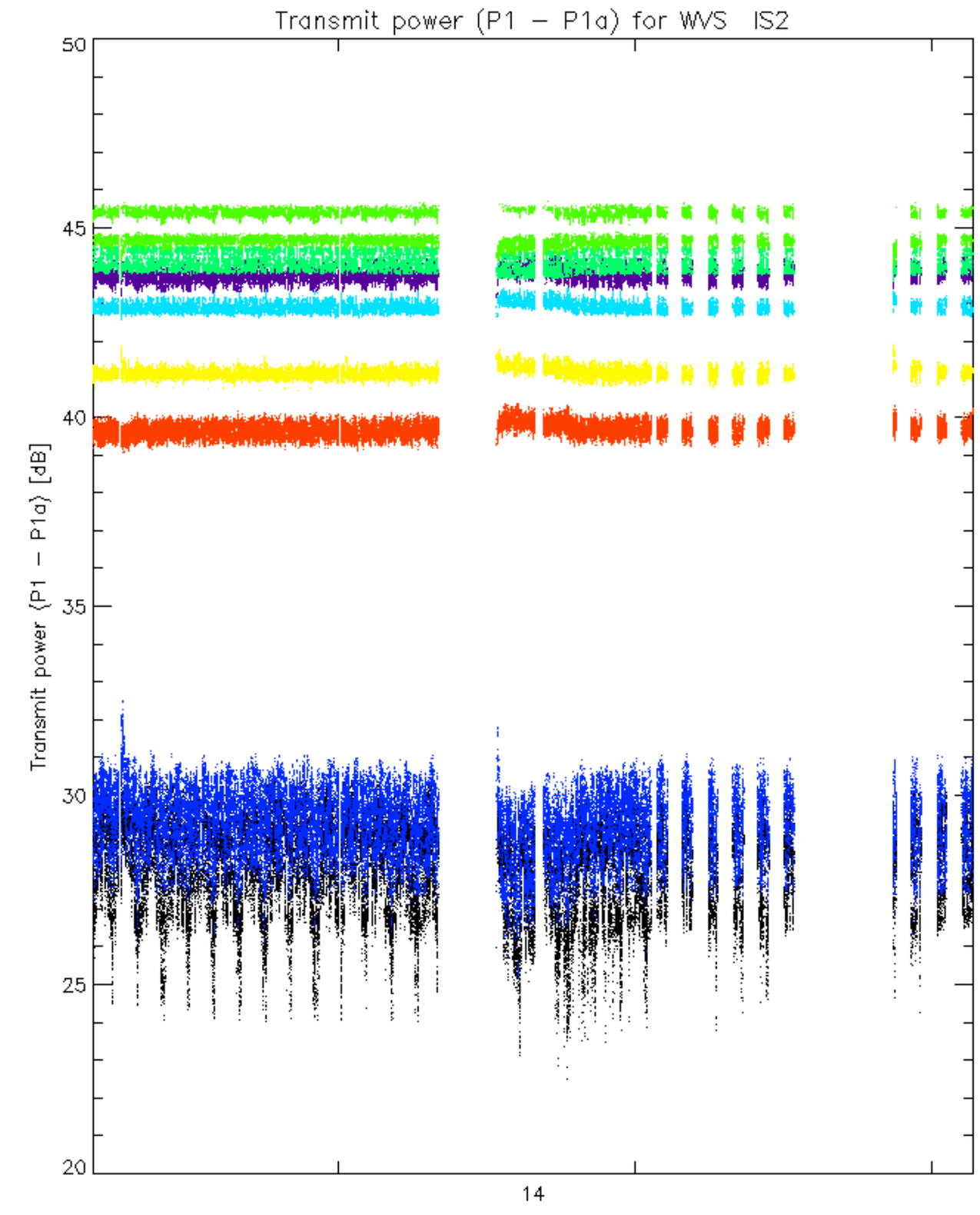
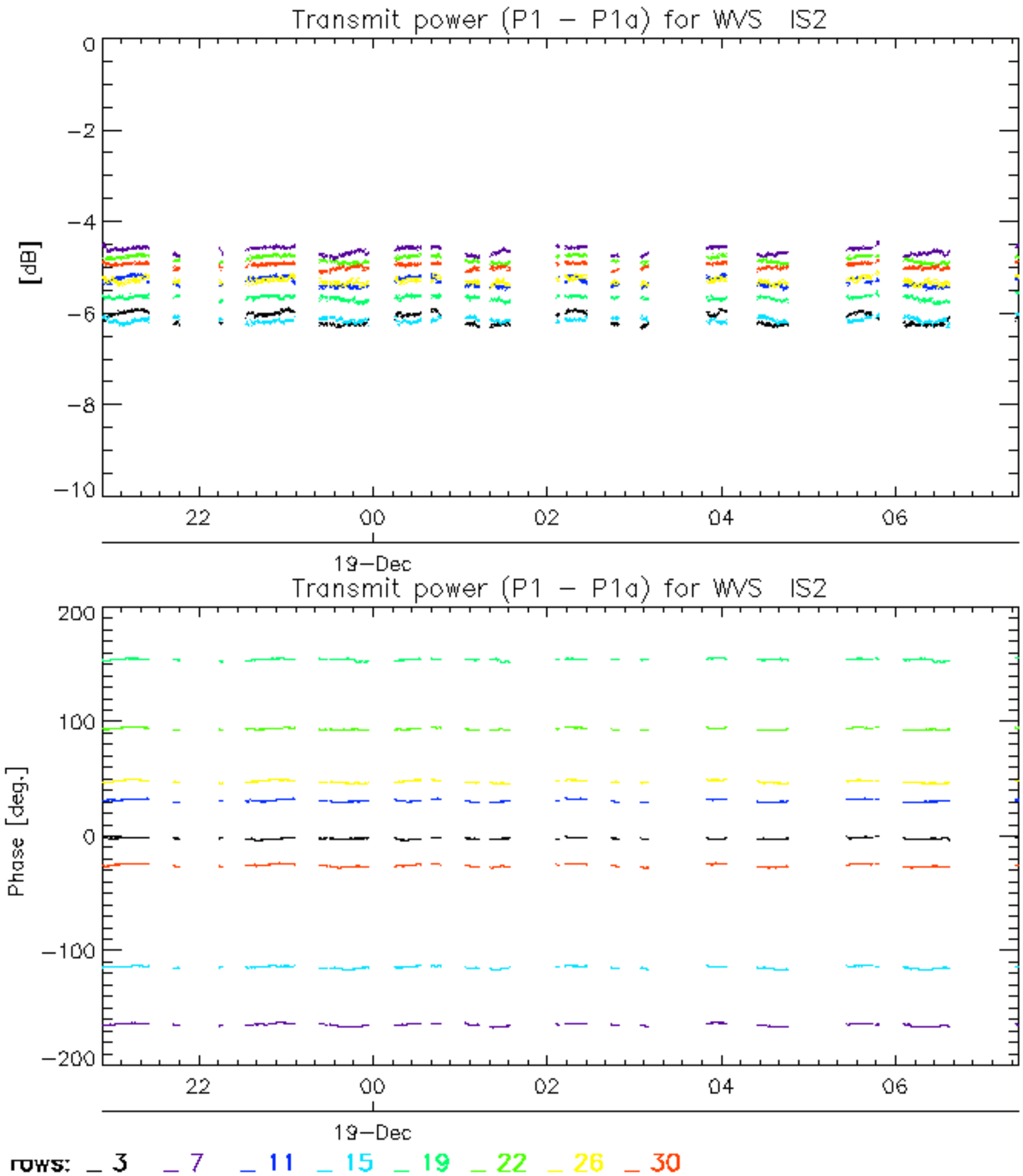
31
32


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


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
22
00
02
04
06
19−Dec
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06
19−Dec
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]
22
00
02
04
06
19–Dec
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06
19–Dec
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.