# PRELIMINARY REPORT OF 051224

### last update on Sat Dec 24 10:50:02 GMT 2005



## 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 2005-12-23 00:00:00 to 2005-12-24 10:50:03**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 22 | 0 | 8 | 0 | 10 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 22 | 0 | 8 | 0 | 10 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 22 | 0 | 8 | 0 | 10 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 22 | 0 | 8 | 0 | 10 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 26 | 22 | 19 | 6 | 28 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 26 | 22 | 19 | 6 | 28 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 26 | 22 | 19 | 6 | 28 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 26 | 22 | 19 | 6 | 28 |

### 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 | 20051223 063522 |
| H | 20051222 070659 |

**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 | -3.723808 | 0.252876 | -0.210377 |
| 7 | P1 | -2.759055 | 0.129262 | -0.153144 |
| 11 | P1 | -4.144667 | 0.032693 | 0.019498 |
| 15 | P1 | -5.116585 | 1.717680 | -0.587104 |
| 19 | P1 | -3.045317 | 0.065106 | -0.136723 |
| 22 | P1 | -4.437797 | 0.022535 | -0.040203 |
| 26 | P1 | -4.394279 | 0.060759 | 0.108319 |
| 30 | P1 | -5.658276 | 0.034796 | -0.073528 |
| 3 | P1 | -15.804202 | 2.796149 | -0.721883 |
| 7 | P1 | -15.334322 | 2.690030 | -0.805027 |
| 11 | P1 | -16.328459 | 0.480738 | -0.150465 |
| 15 | P1 | -12.764704 | 0.972603 | -0.150576 |
| 19 | P1 | -13.438826 | 0.363722 | -0.315996 |
| 22 | P1 | -15.981597 | 0.633150 | 0.094684 |
| 26 | P1 | -15.106618 | 1.081389 | -0.317623 |
| 30 | P1 | -15.601151 | 2.488374 | -0.634120 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.827085 | 0.111891 | 0.195874 |
| 7 | P2 | -22.546080 | 0.105656 | 0.033906 |
| 11 | P2 | -16.533476 | 0.128982 | 0.248708 |
| 15 | P2 | -7.278118 | 0.104264 | 0.018910 |
| 19 | P2 | -9.218476 | 0.102831 | 0.007014 |
| 22 | P2 | -17.879009 | 0.112417 | -0.080346 |
| 26 | P2 | -16.372837 | 0.131543 | 0.041470 |
| 30 | P2 | -19.788183 | 0.118147 | 0.061710 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 7 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 11 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 15 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 19 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 22 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 26 | P3 | -8.235810 | 0.007570 | 0.000621 |
| 30 | P3 | -8.235810 | 0.007570 | 0.000621 |

#### 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 | -3.706009 | 0.008318 | -0.011301 |
| 7 | P1 | -2.771835 | 0.012336 | 0.011964 |
| 11 | P1 | -2.875702 | 0.015568 | -0.000088 |
| 15 | P1 | -3.413371 | 0.022114 | -0.018716 |
| 19 | P1 | -3.393026 | 0.013853 | -0.013980 |
| 22 | P1 | -5.127474 | 0.018761 | 0.021918 |
| 26 | P1 | -5.846560 | 0.016429 | -0.029795 |
| 30 | P1 | -5.283657 | 0.033240 | -0.016276 |
| 3 | P1 | -11.483974 | 0.041066 | -0.010669 |
| 7 | P1 | -9.964520 | 0.047339 | -0.016276 |
| 11 | P1 | -10.052412 | 0.060129 | 0.020296 |
| 15 | P1 | -10.571630 | 0.079326 | 0.100154 |
| 19 | P1 | -15.519985 | 0.074218 | -0.054969 |
| 22 | P1 | -20.949732 | 0.969299 | -0.080459 |
| 26 | P1 | -17.157551 | 0.300406 | -0.005361 |
| 30 | P1 | -18.267118 | 0.303034 | 0.342858 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.609941 | 0.029818 | 0.059038 |
| 7 | P2 | -23.046095 | 0.056526 | -0.032637 |
| 11 | P2 | -11.608868 | 0.020596 | 0.126126 |
| 15 | P2 | -4.990622 | 0.021128 | -0.027333 |
| 19 | P2 | -6.971457 | 0.021702 | -0.042200 |
| 22 | P2 | -8.205930 | 0.022712 | -0.041449 |
| 26 | P2 | -24.052811 | 0.030556 | -0.016317 |
| 30 | P2 | -22.130669 | 0.017883 | -0.041540 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.077868 | 0.002457 | -0.008199 |
| 7 | P3 | -8.078043 | 0.002462 | -0.007889 |
| 11 | P3 | -8.077971 | 0.002443 | -0.008311 |
| 15 | P3 | -8.077903 | 0.002446 | -0.008516 |
| 19 | P3 | -8.078016 | 0.002459 | -0.008138 |
| 22 | P3 | -8.078009 | 0.002459 | -0.008030 |
| 26 | P3 | -8.078004 | 0.002427 | -0.007909 |
| 30 | P3 | -8.077703 | 0.002452 | -0.008341 |

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

#### 4.3.1 - Evolution for WVS

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#### 4.3.2 - Evolution for GM1

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## 5 - RAW data statistics

No anomalies observed.

### 5.1 - Input mean I/Q

| channel | stat | DSS-B |
|---|---|---|
| MEAN I | mean | 0.000459818 |
| | stdev | 2.18983e-07 |
| MEAN Q | mean | 0.000474855 |
| | stdev | 2.36779e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.128989 |
| | stdev | 0.00110510 |
| STDEV Q | mean | 0.129273 |
| | stdev | 0.00111747 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005122[234]
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_1PNPDE20051222_200902_000000502043_00343_19936_4599.N1 | 0 | 11 |
| ASA_IMM_1PNPDK20051222_125406_000001212043_00339_19932_9583.N1 | 1 | 0 |
| ASA_WSM_1PNPDE20051222_160845_000002082043_00341_19934_5342.N1 | 0 | 44 |

# 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 |
|  |

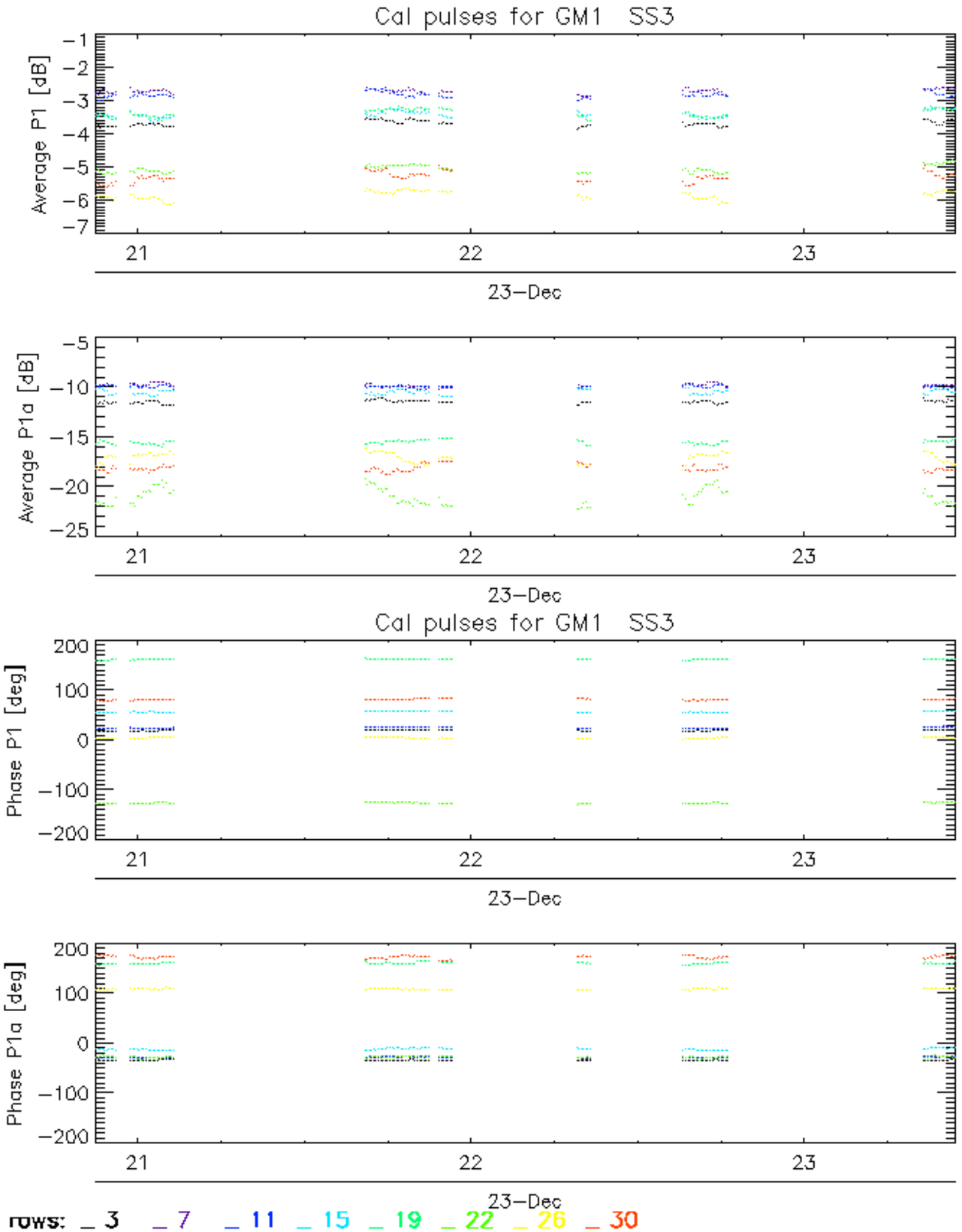
| |
|---|
| Descending |

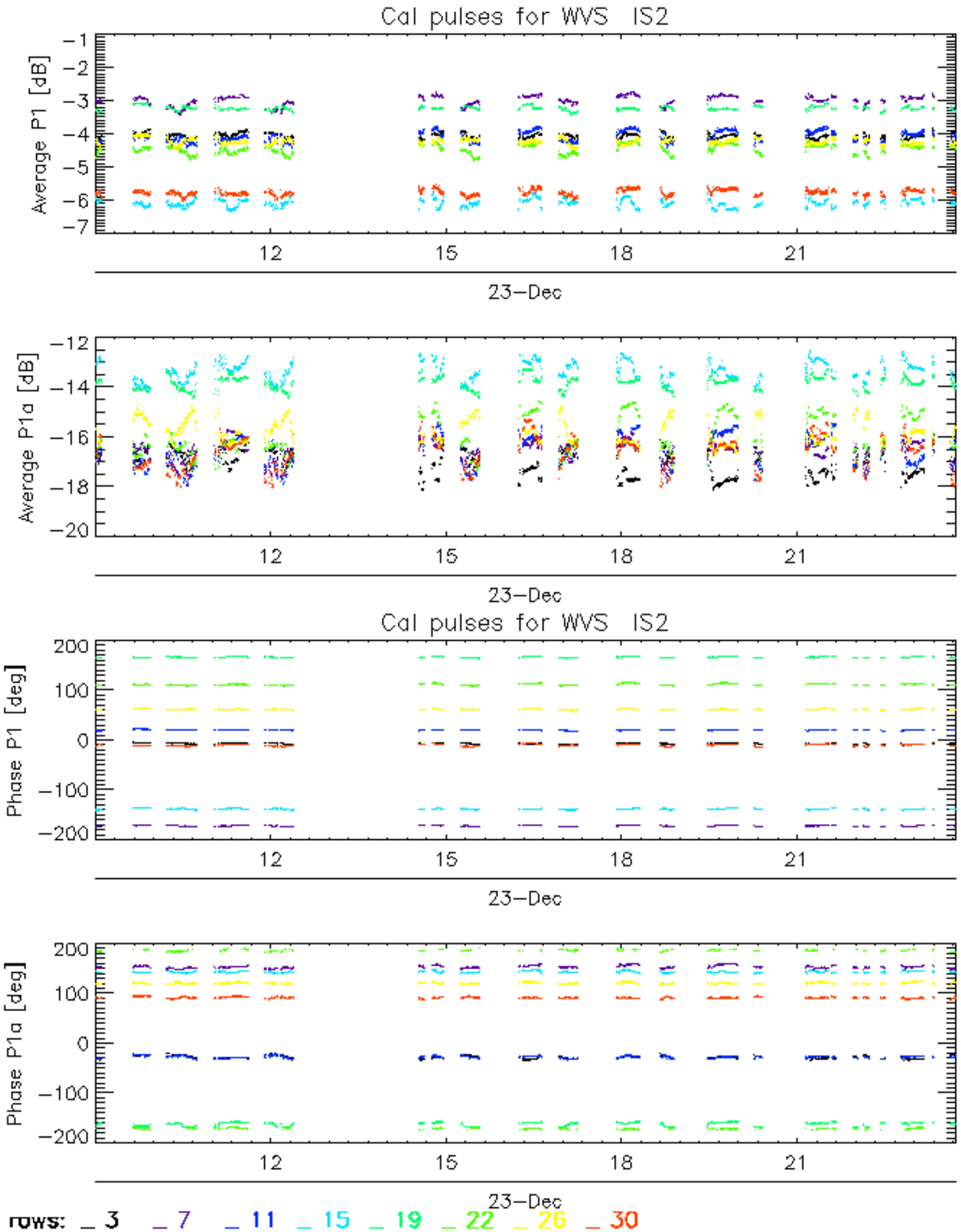
## 7.5 - Absolute Doppler for GM1

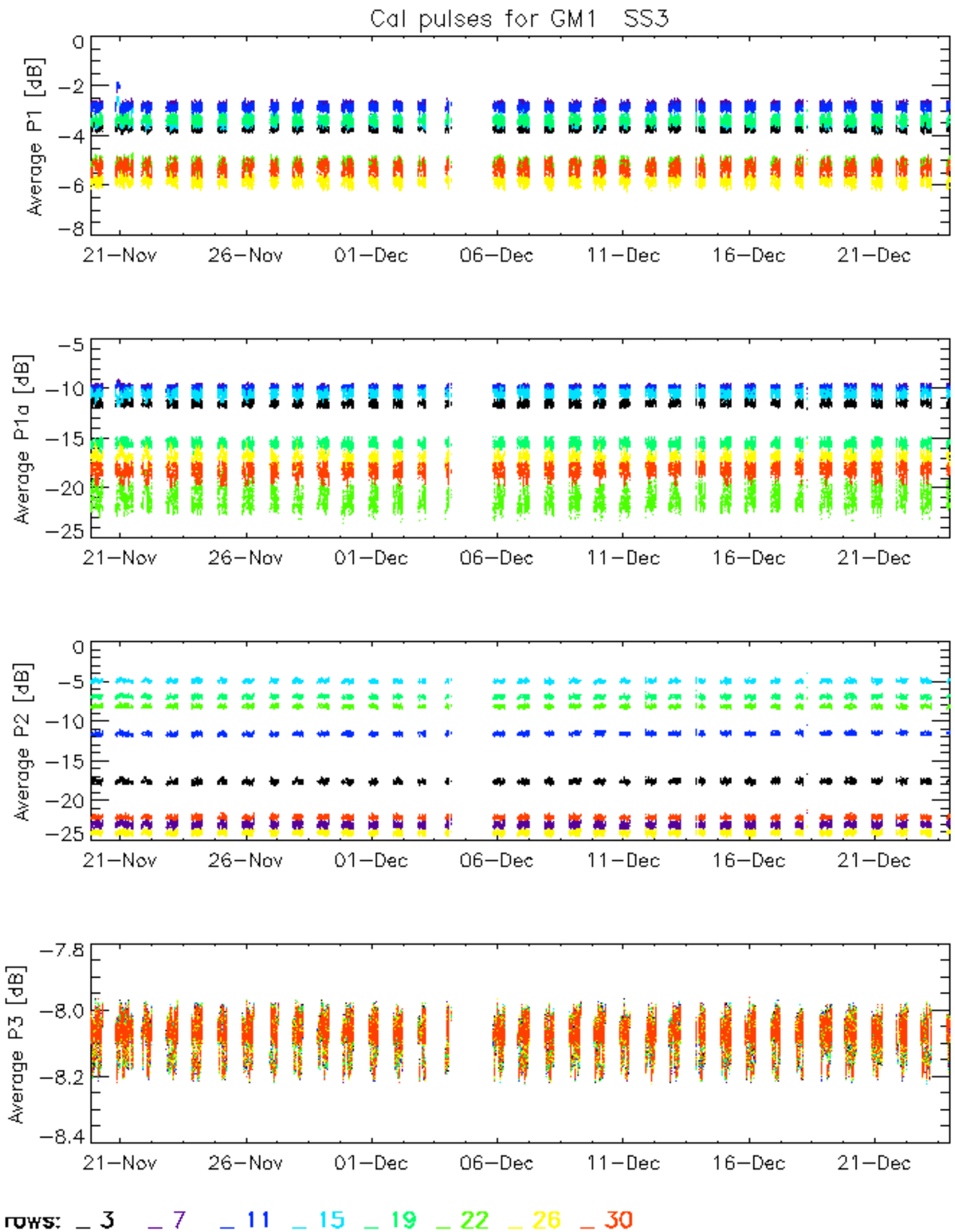
| **Evolution of Absolute Doppler** |
|---|
| ☒ |
| Acsending |
| ☒ |
| Descending |

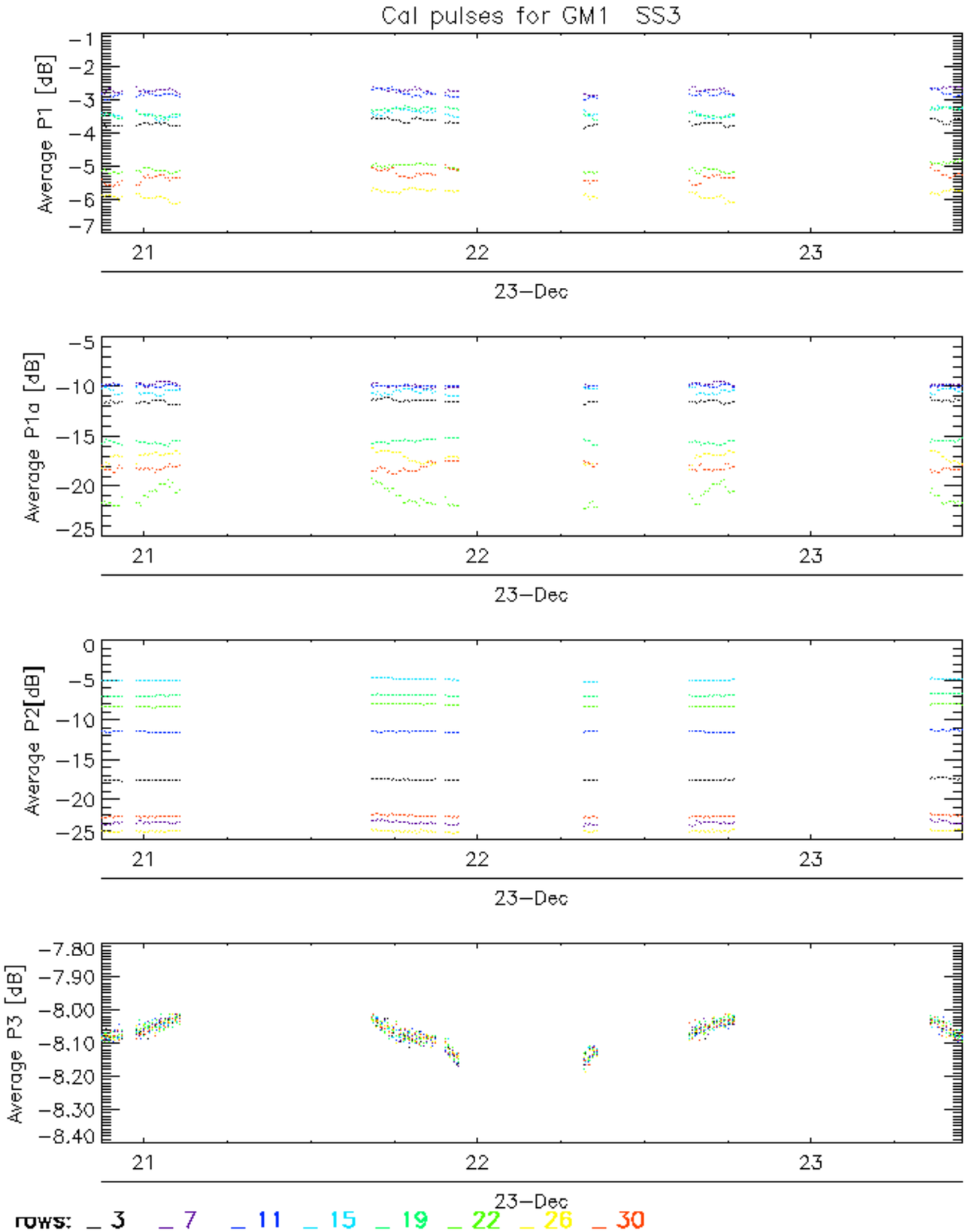
## 7.6 - Doppler evolution versus ANX for GM1

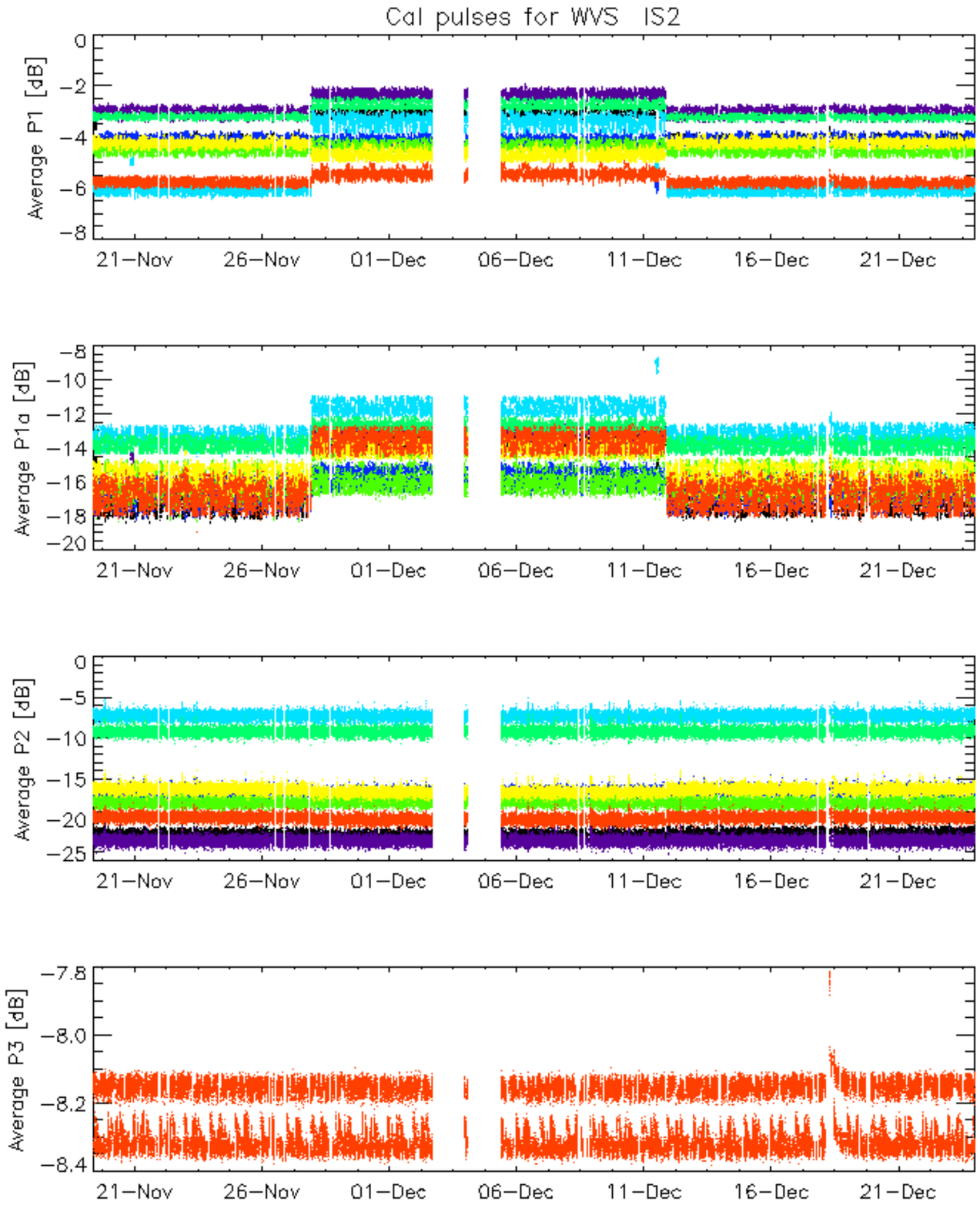
| **Evolution Doppler error versus ANX** |
|---|
| ☒ |

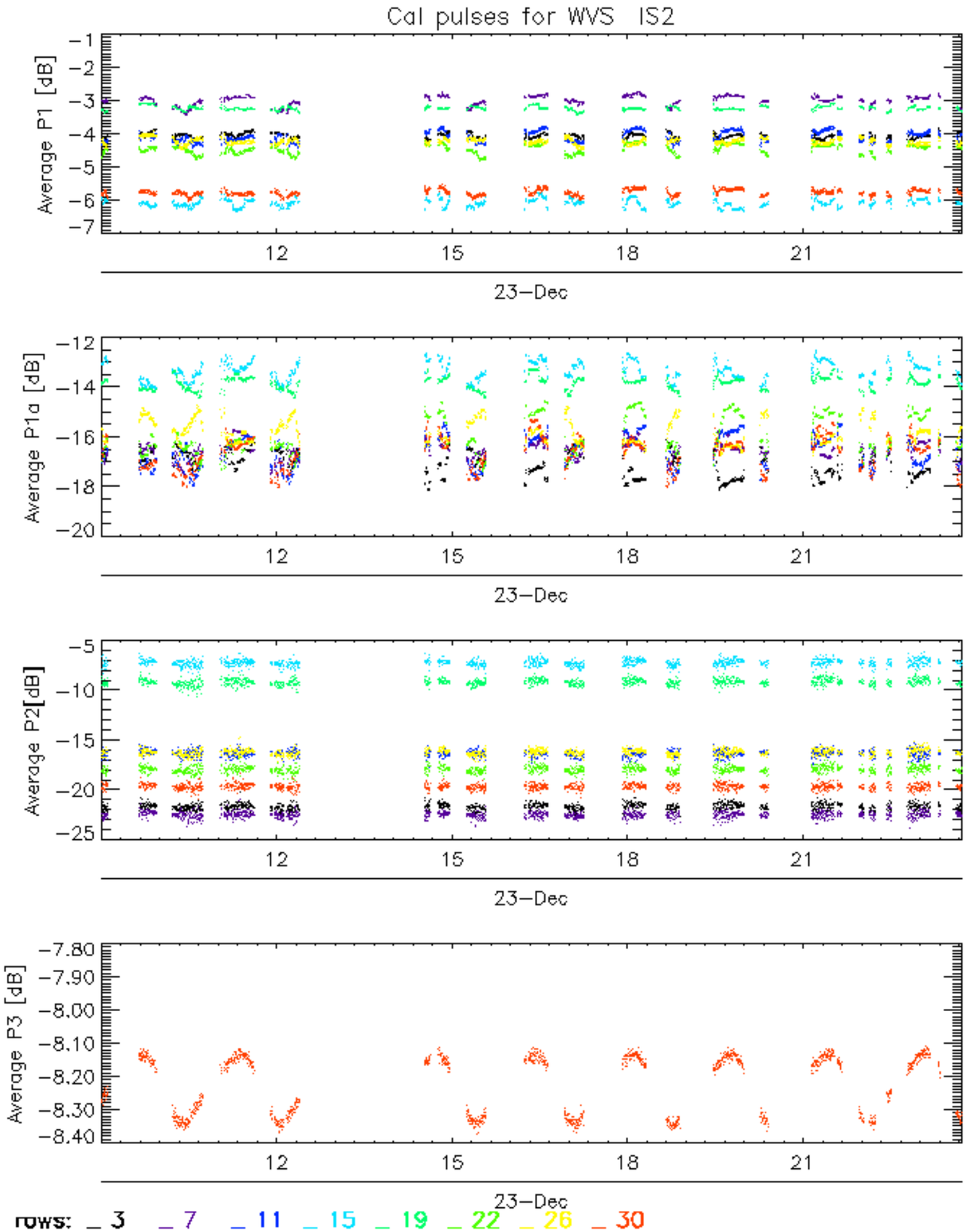

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
21
22
23
23−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
21
22
23
23−Dec
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
21
22
23
23−Dec
Phase P1a [deg]
200
100
0
−100
−200
21
22
23
23−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

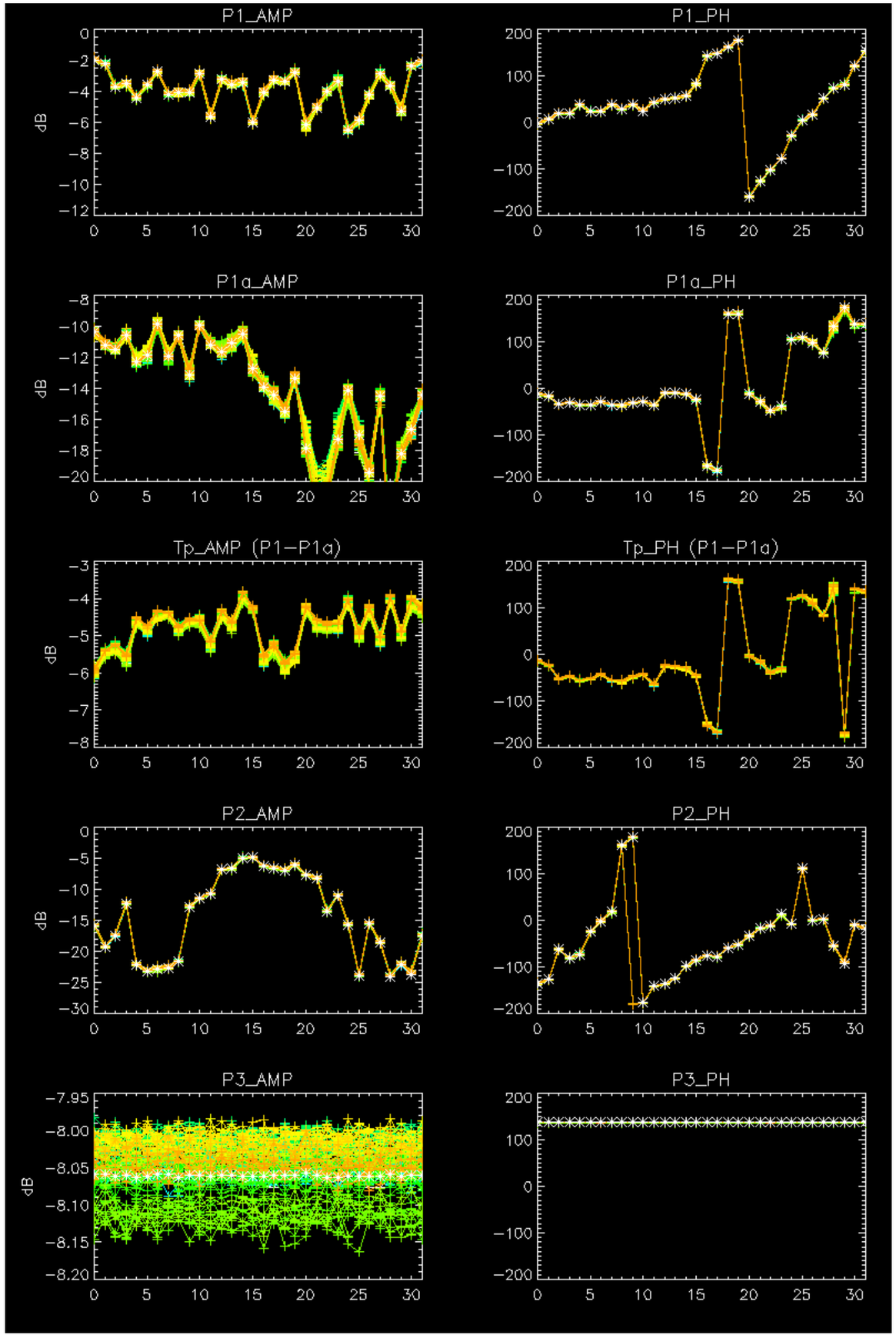

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

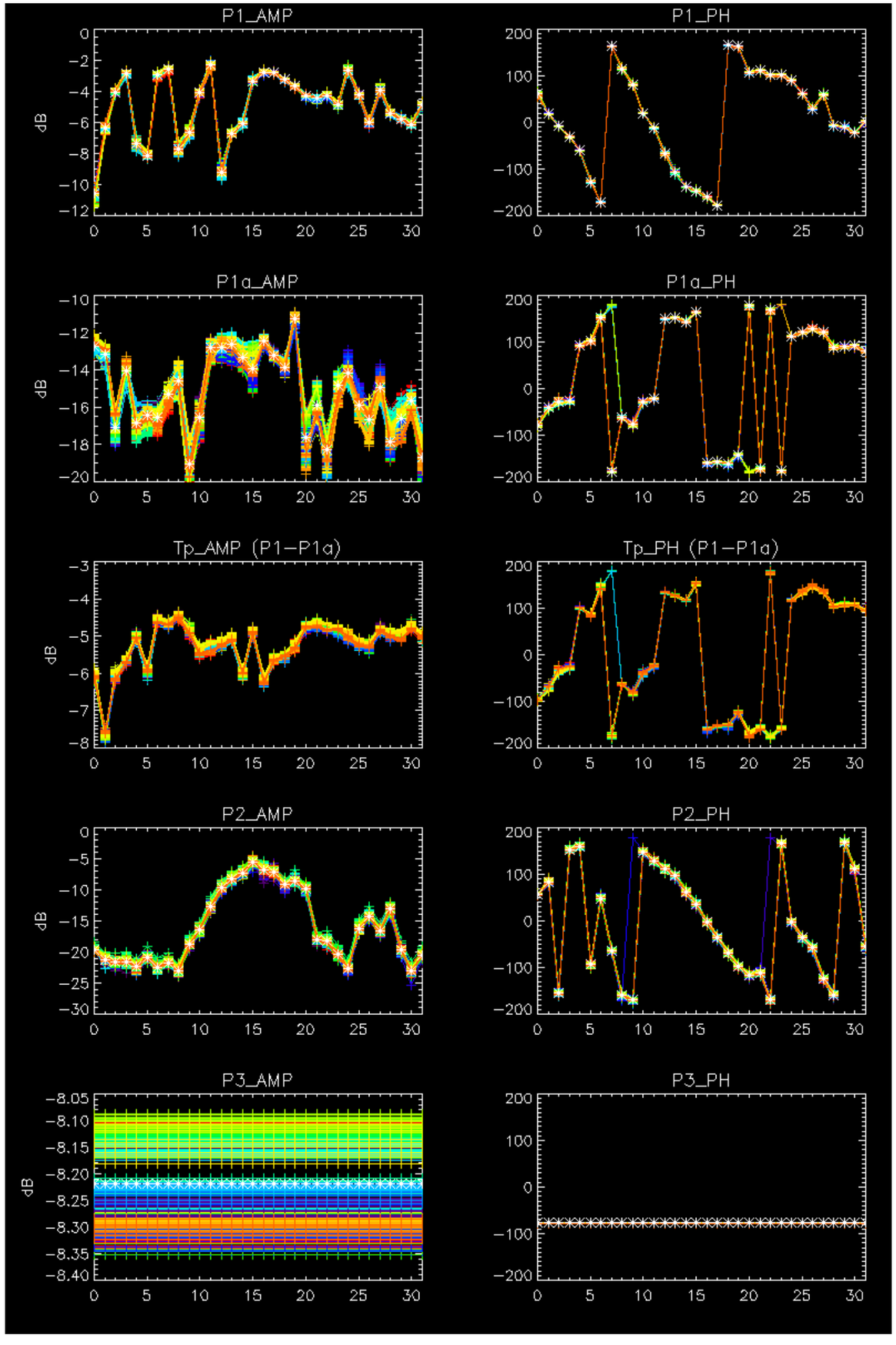

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
21
22
23
23−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
21
22
23
23−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
21
22
23
23−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
21
22
23
23−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

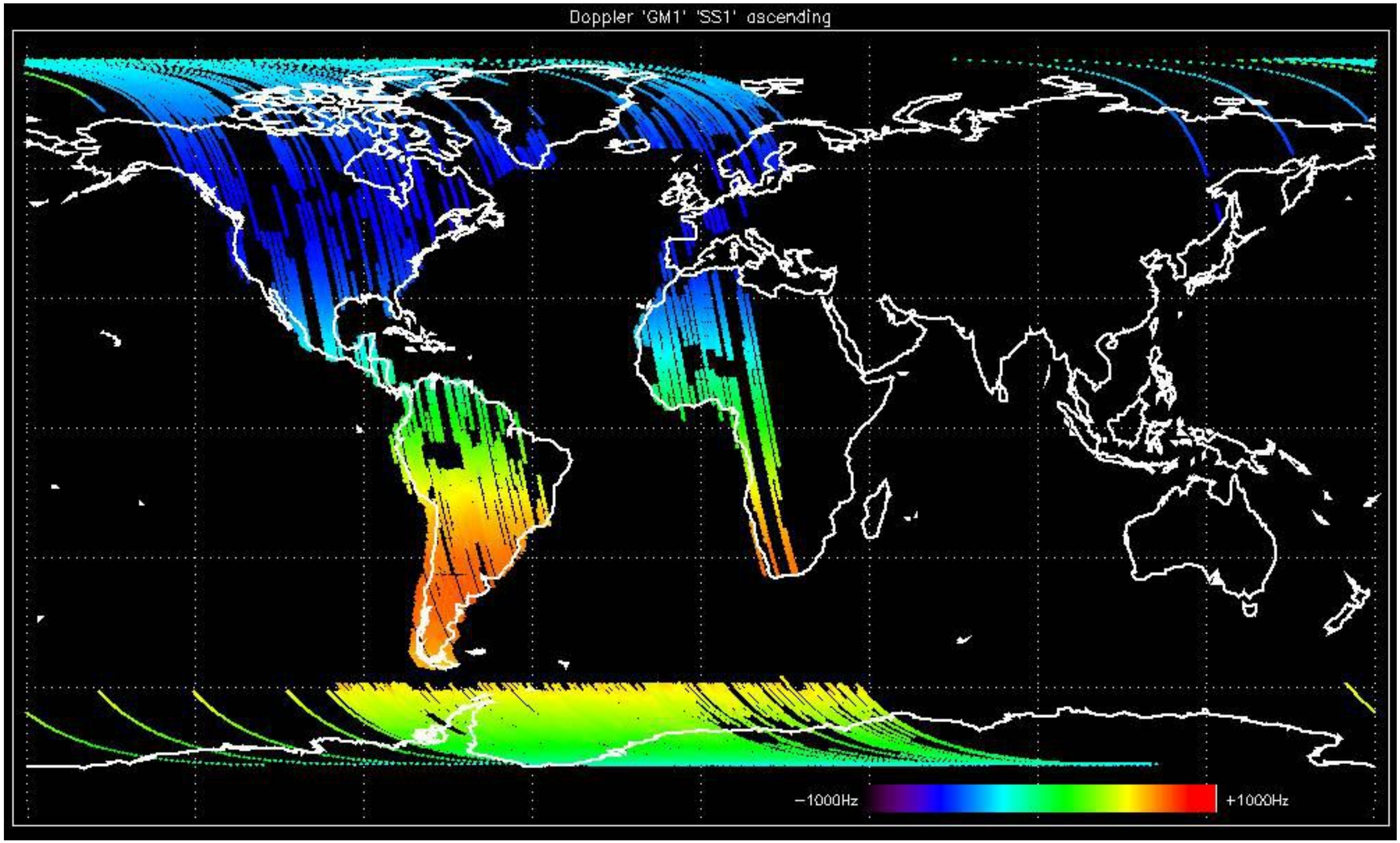
No anomalies observed.

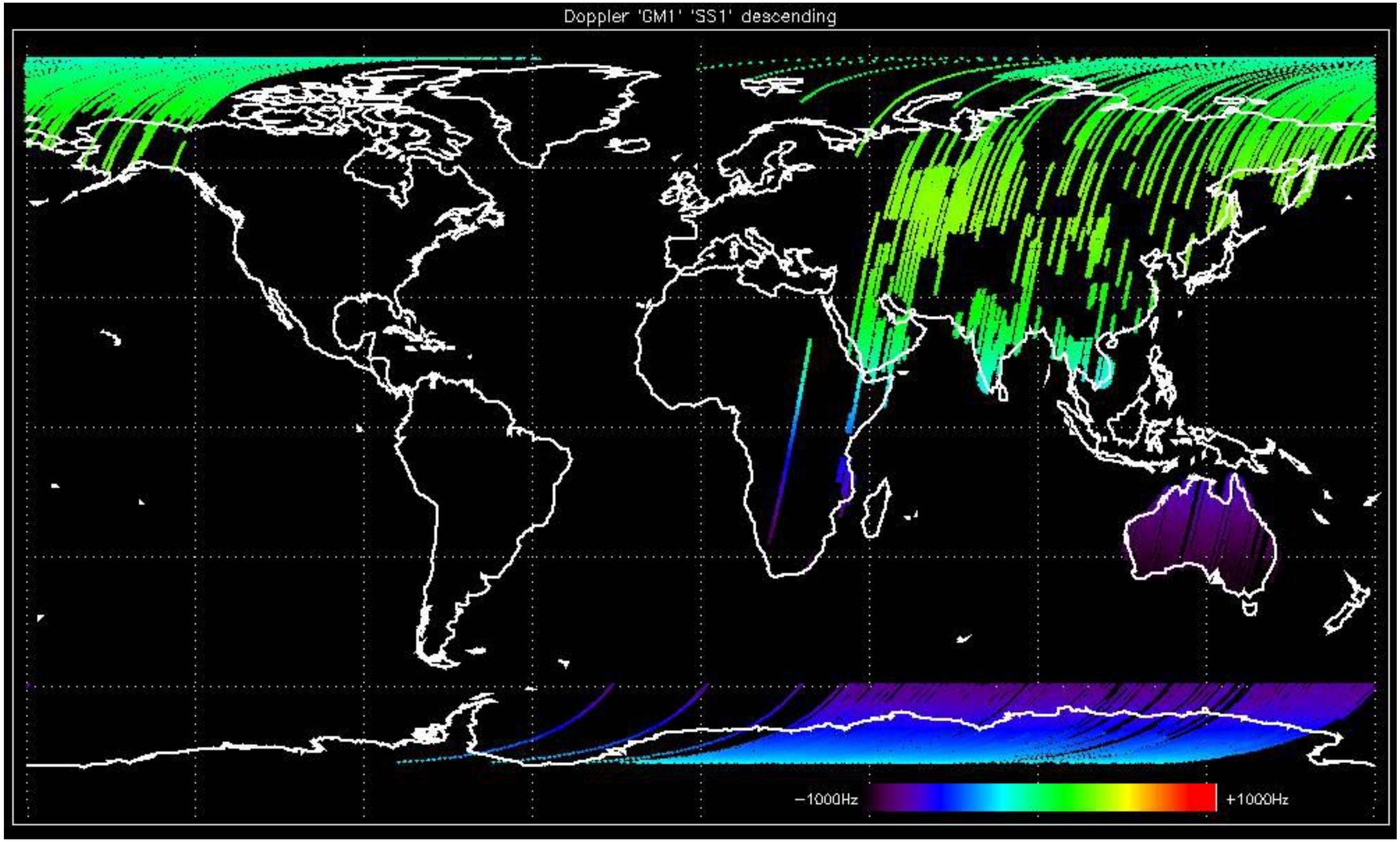

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

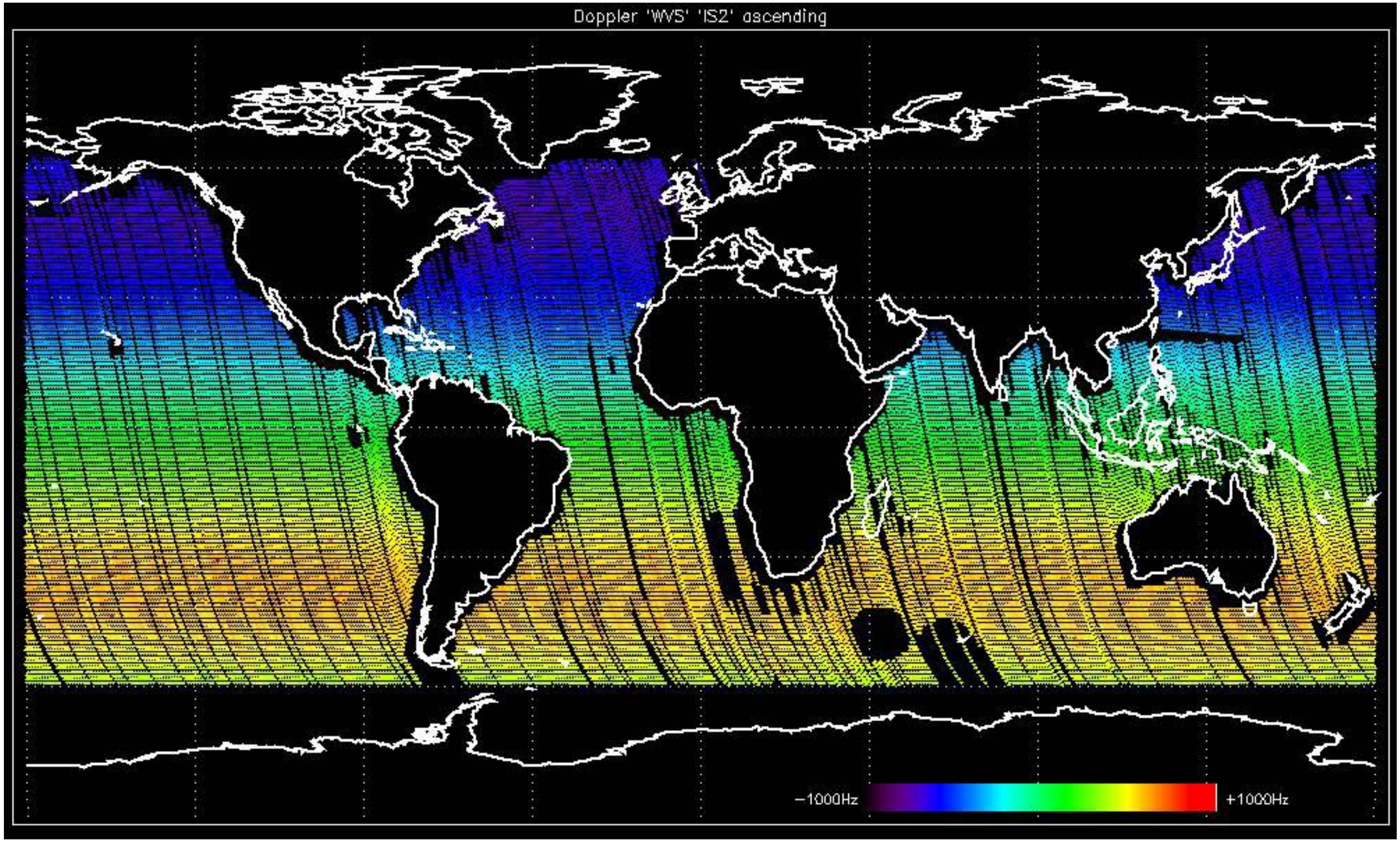

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

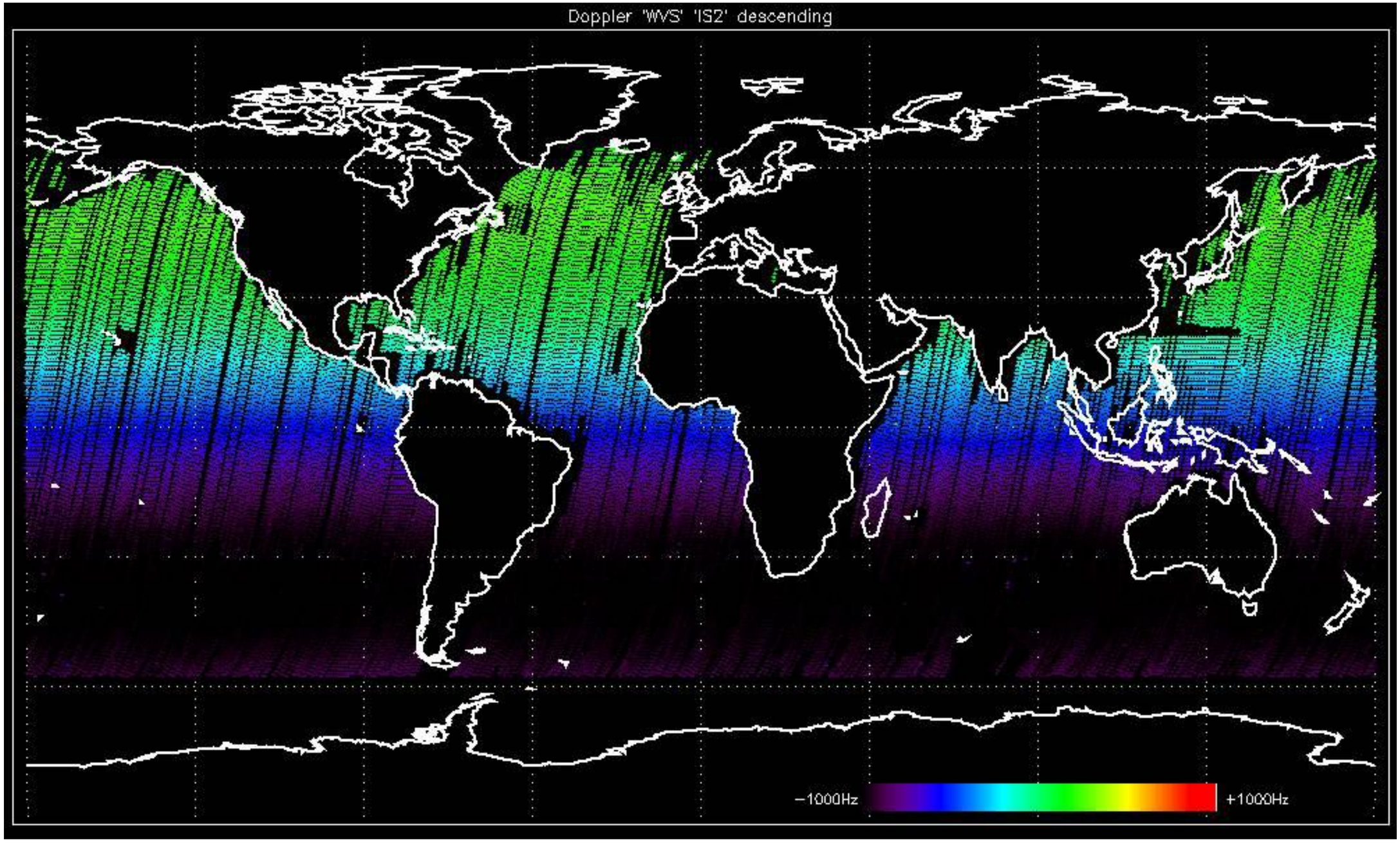
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

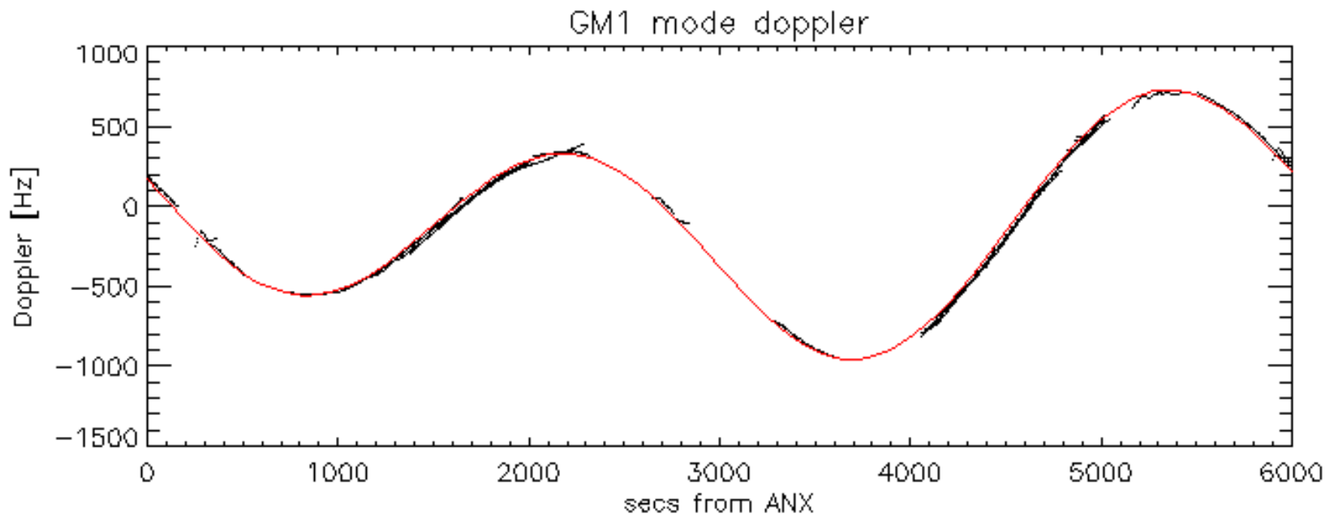
Preliminary report.The data is not yet controled

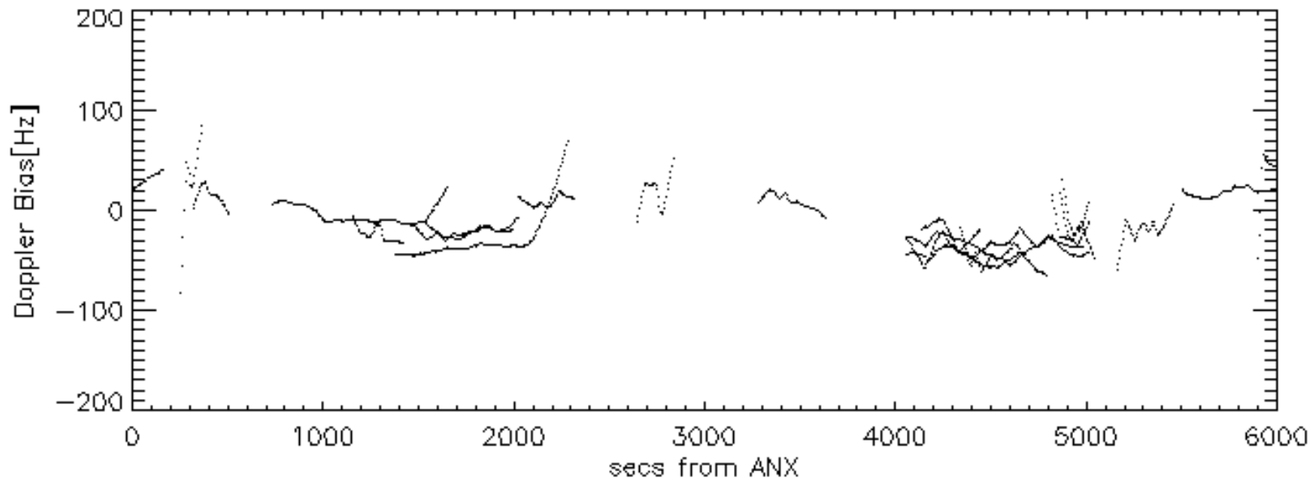

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

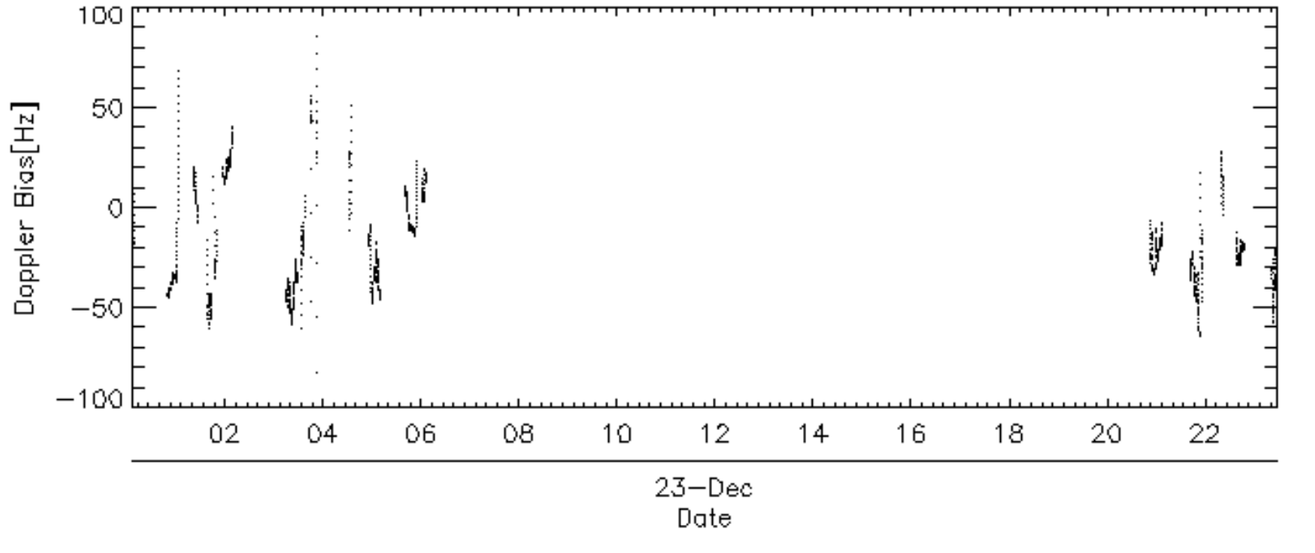

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

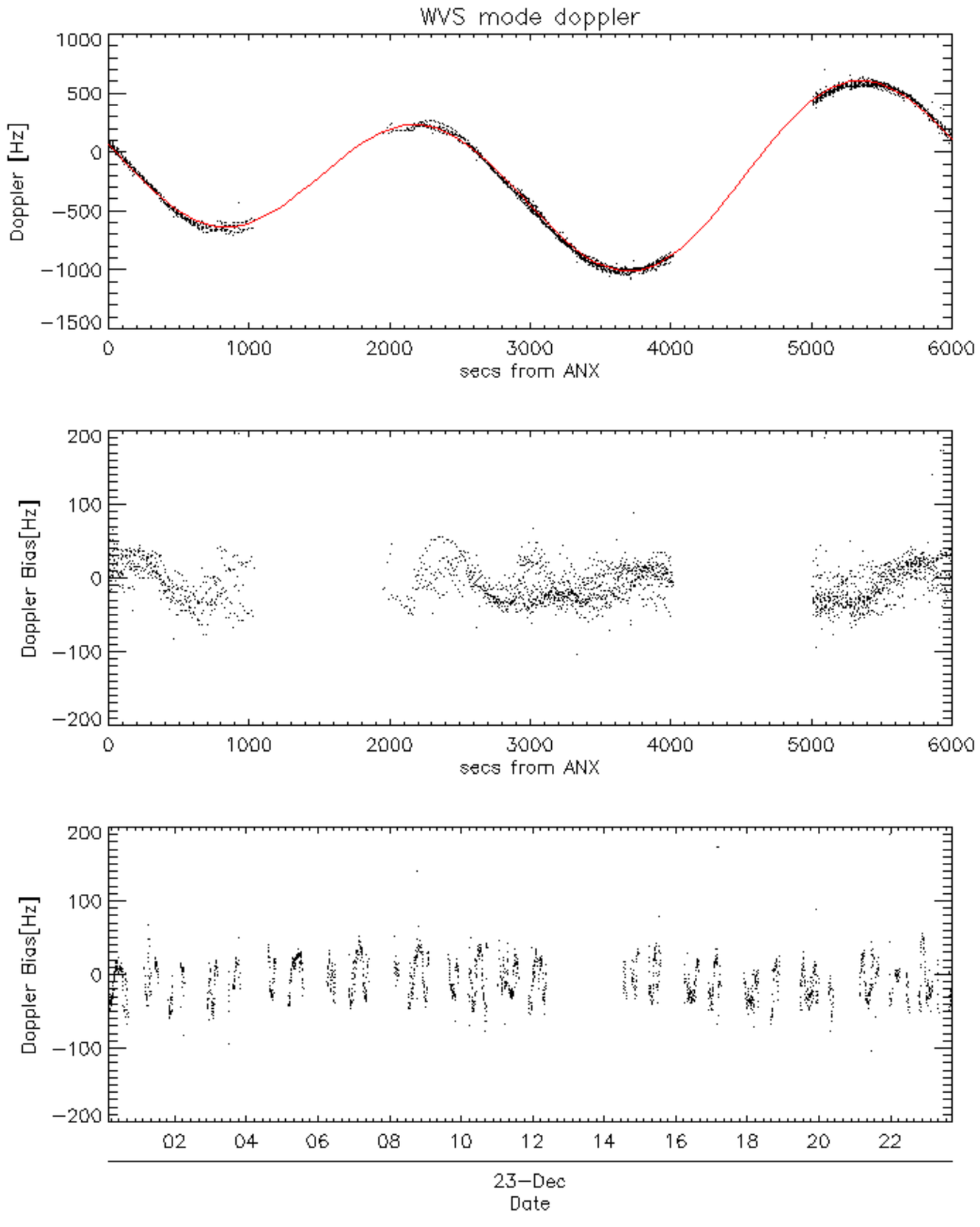

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

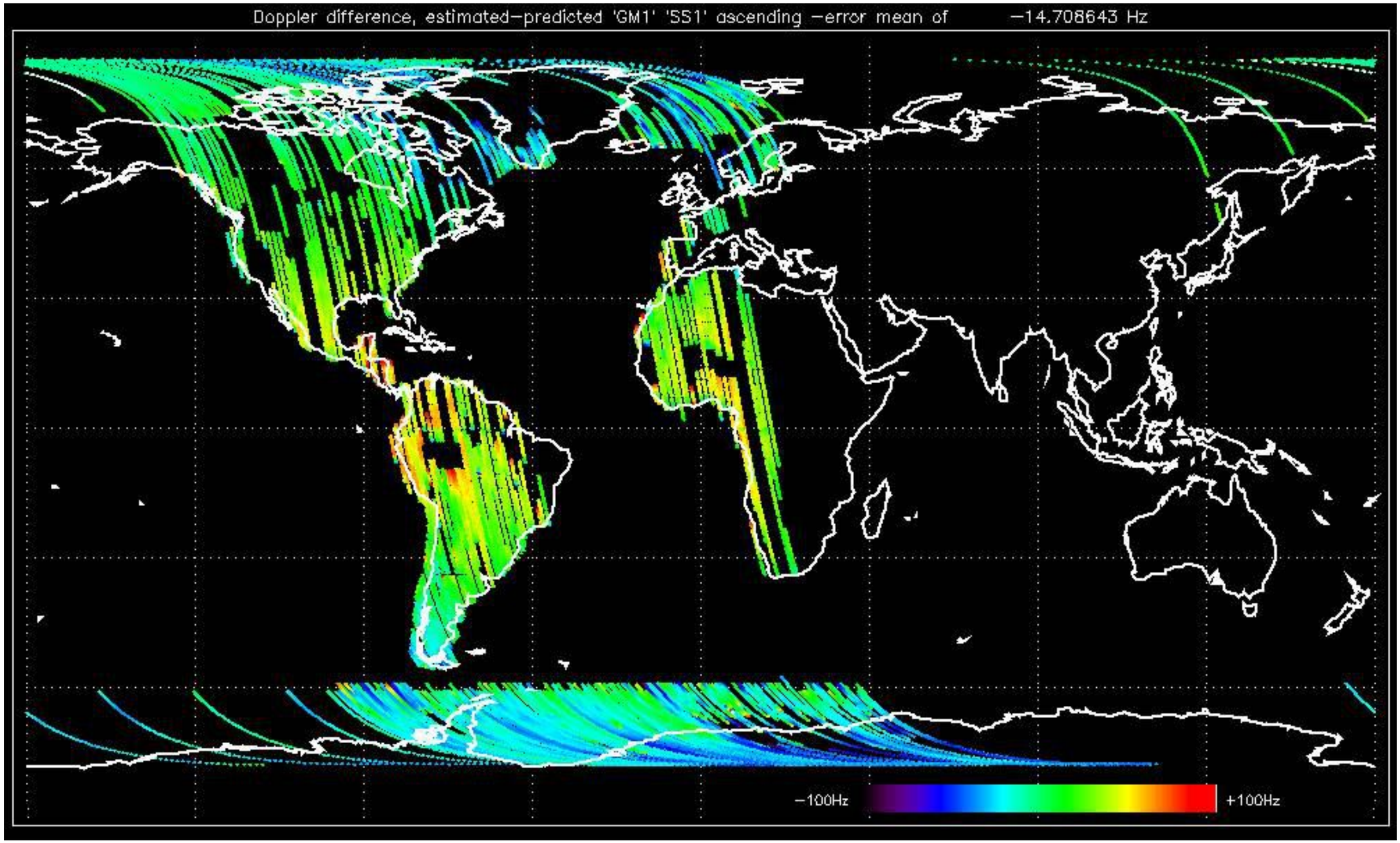

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

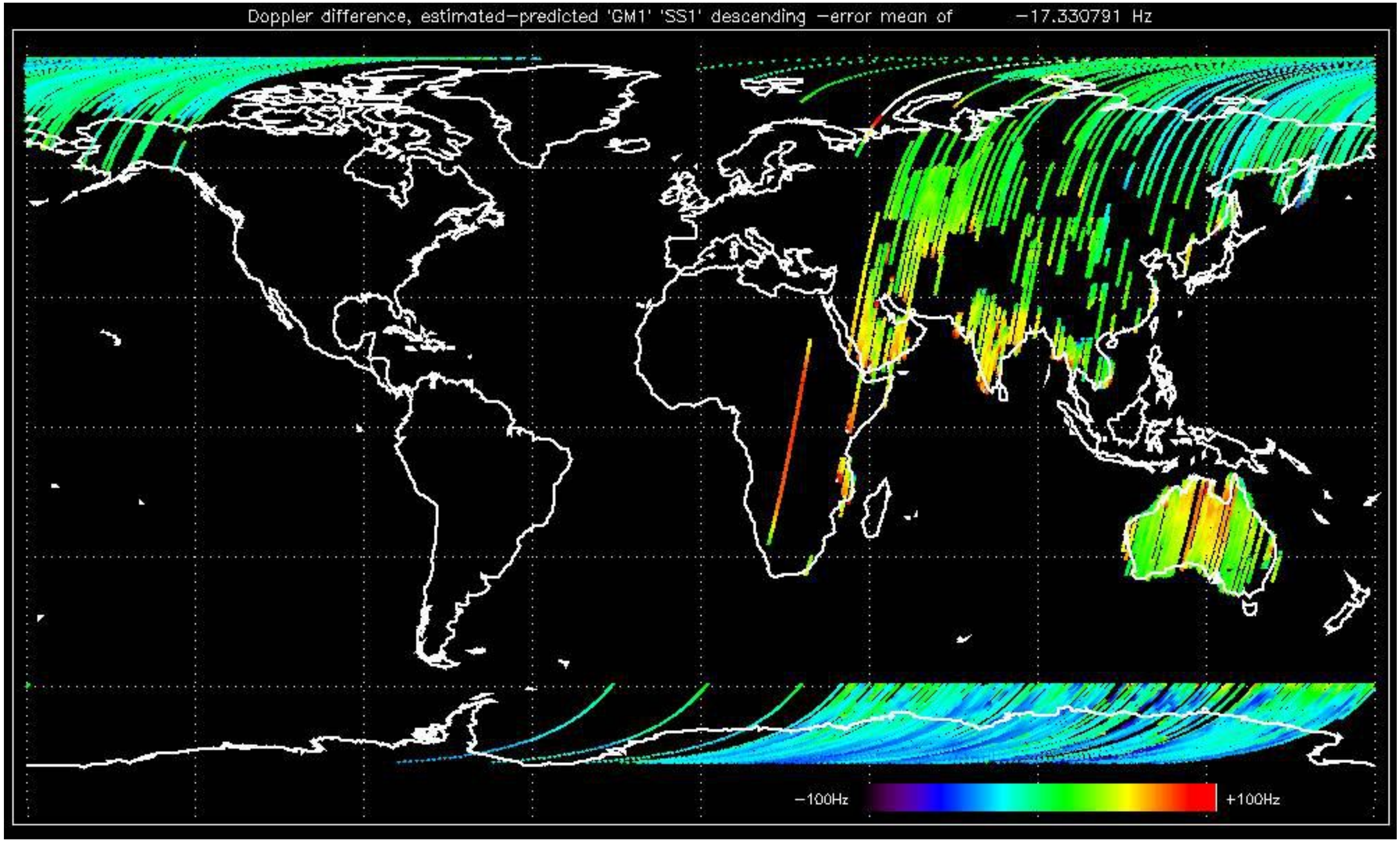

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

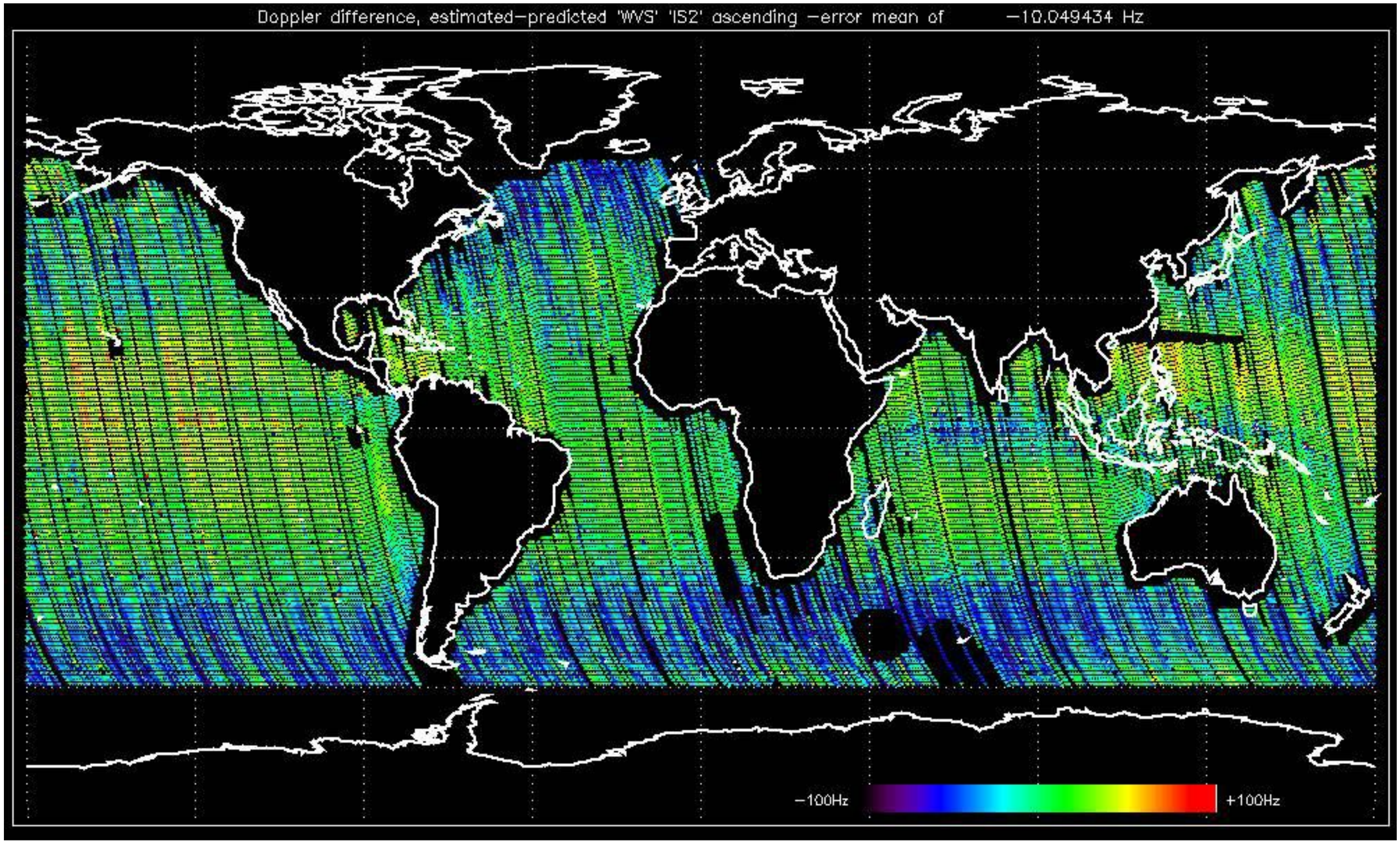

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

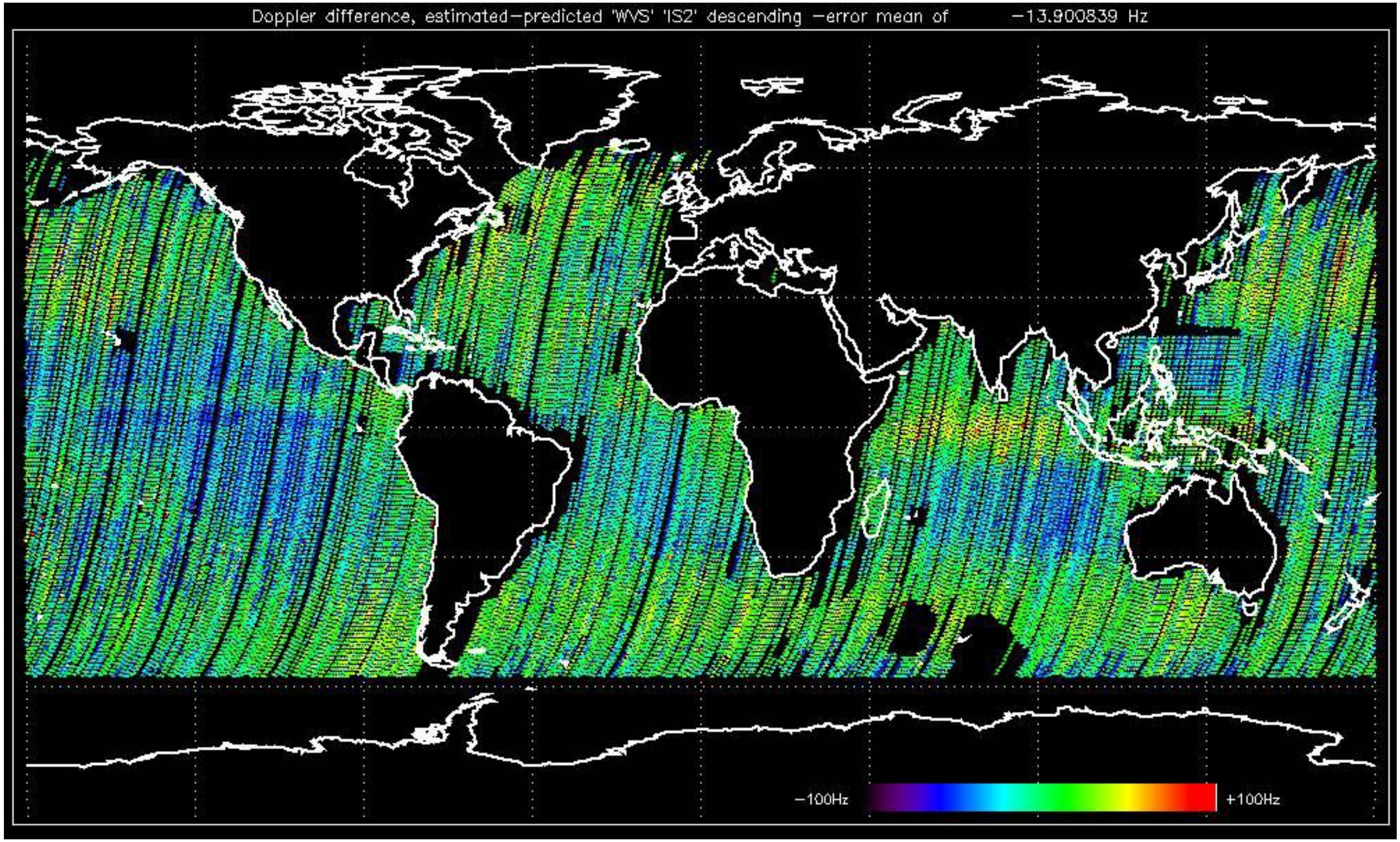

Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
23−Dec
Date


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]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
23−Dec
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −14.708643 Hz
−100Hz
+100Hz

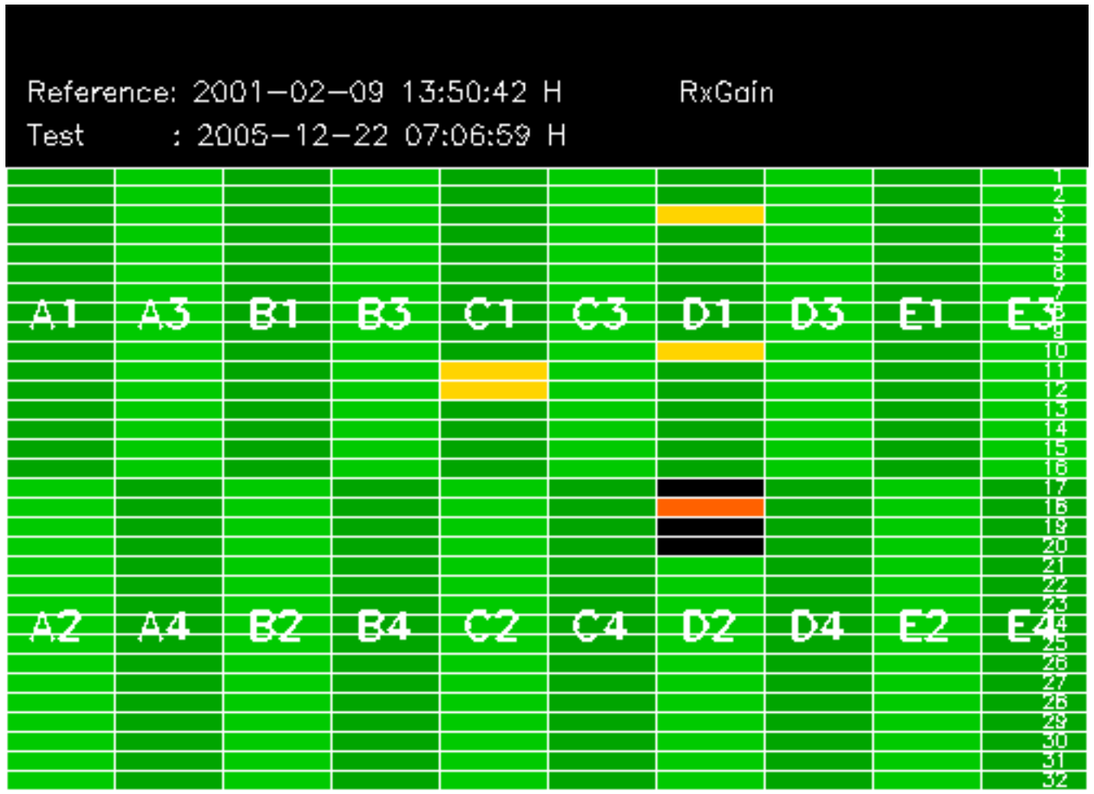

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.330791 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −10.049434 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.900839 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-12-22 07:06:59 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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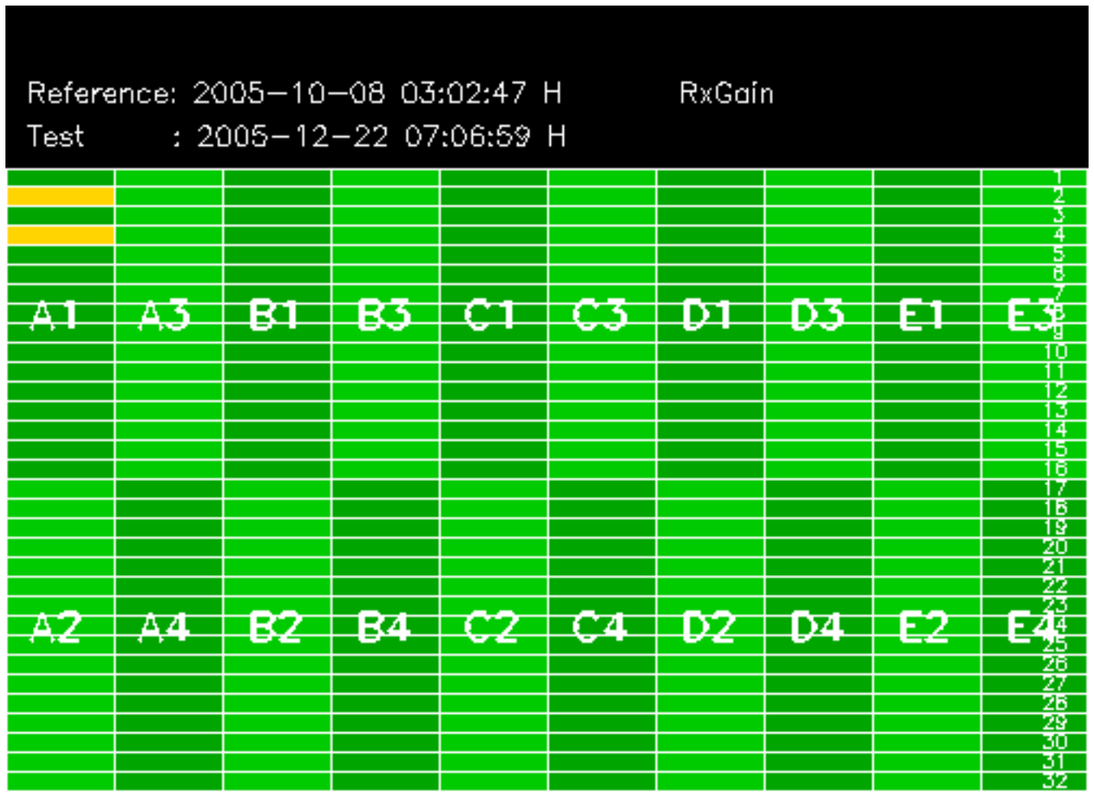
Reference: 2005-10-08 03:02:47 H
RxGain
Test : 2005-12-22 07:06:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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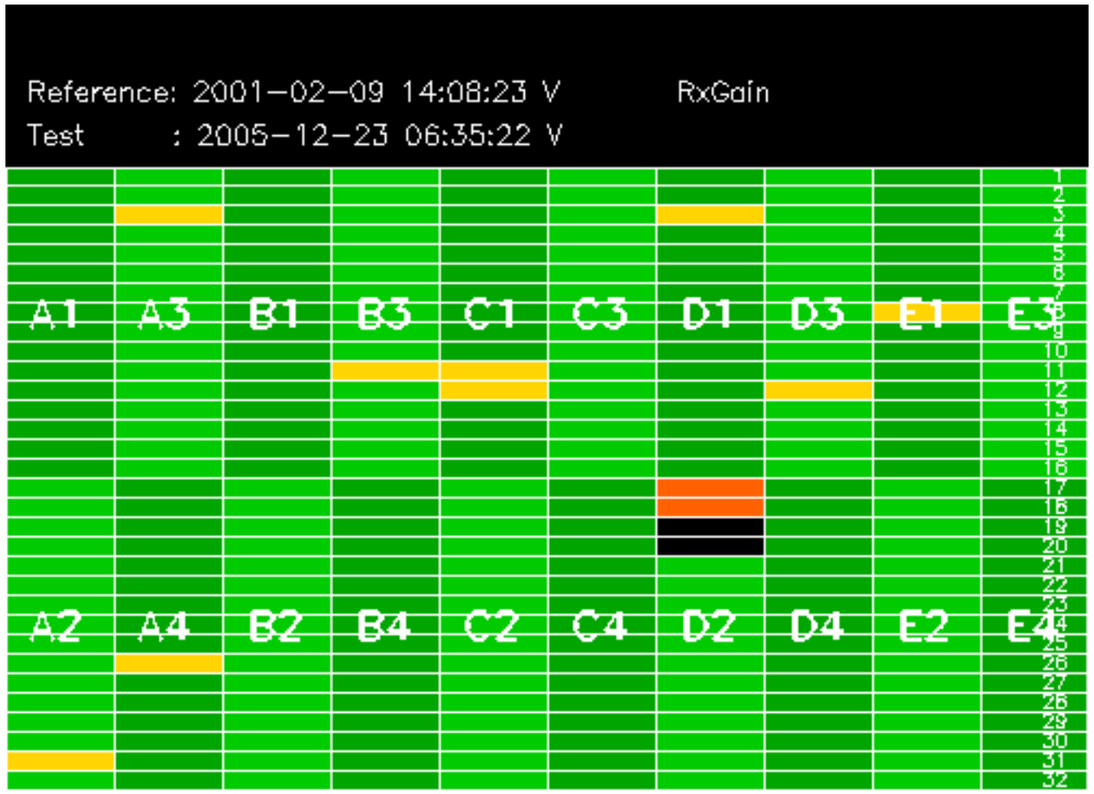
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-23 06:35:22 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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8
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10
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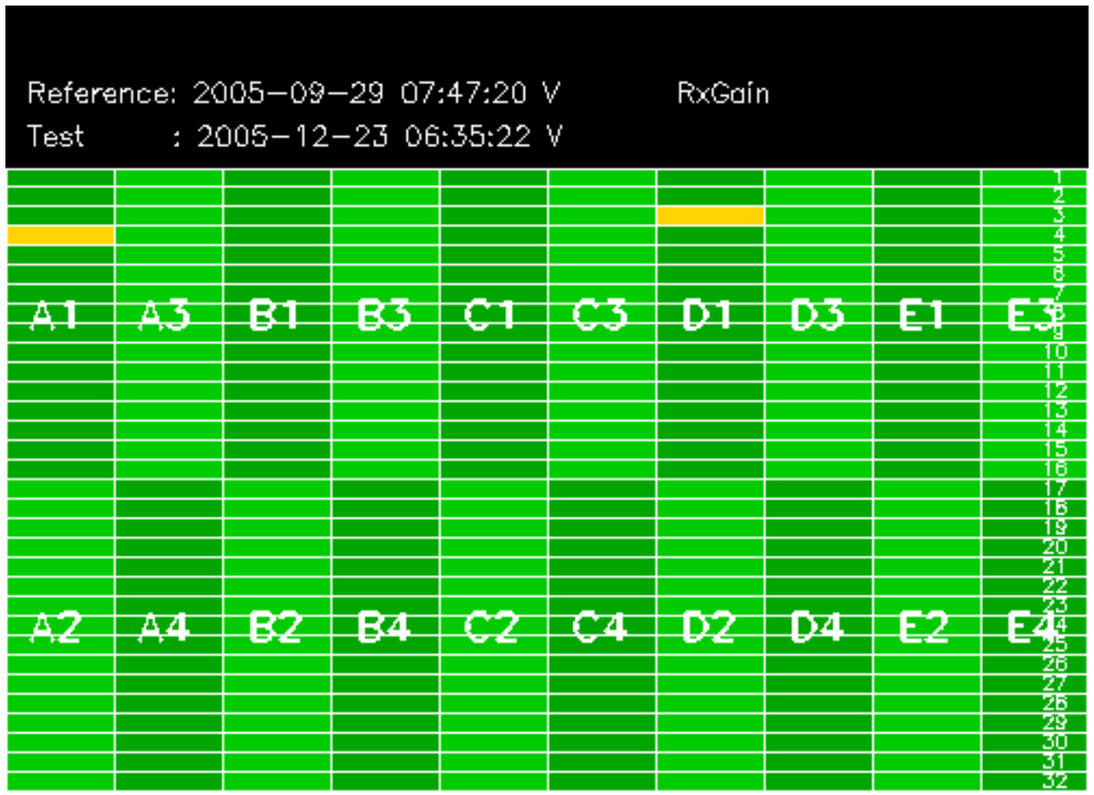
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-23 06:35:22 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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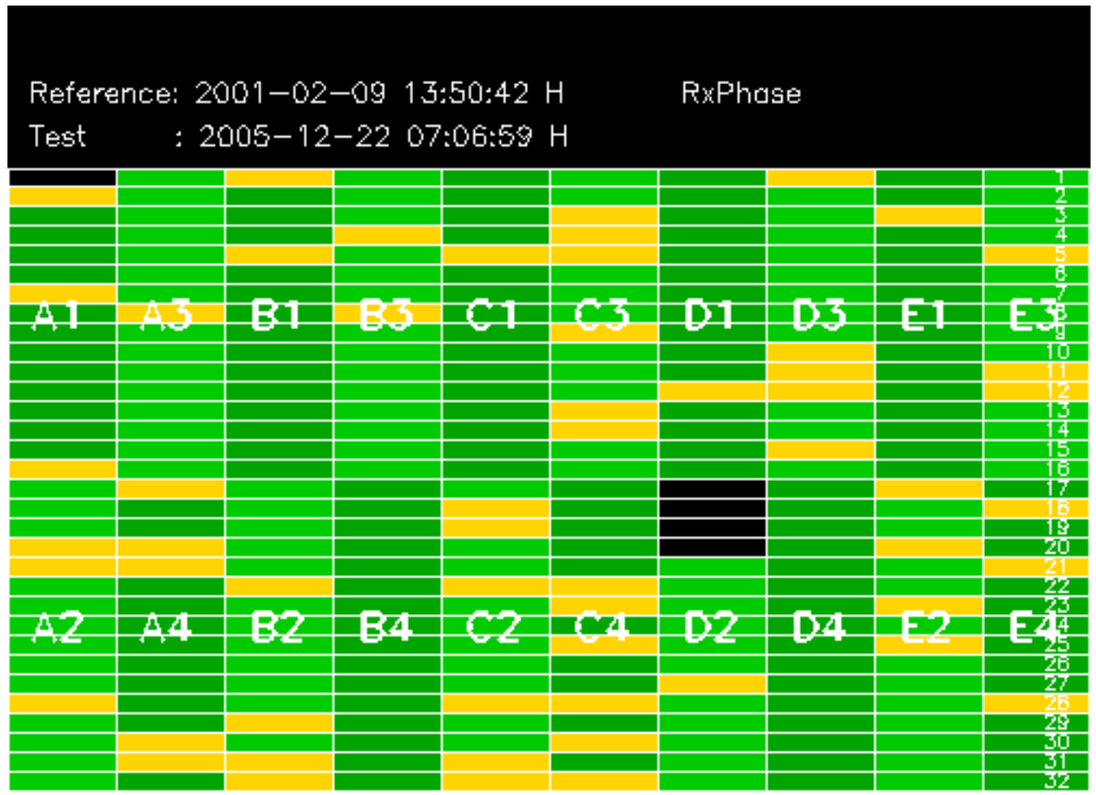
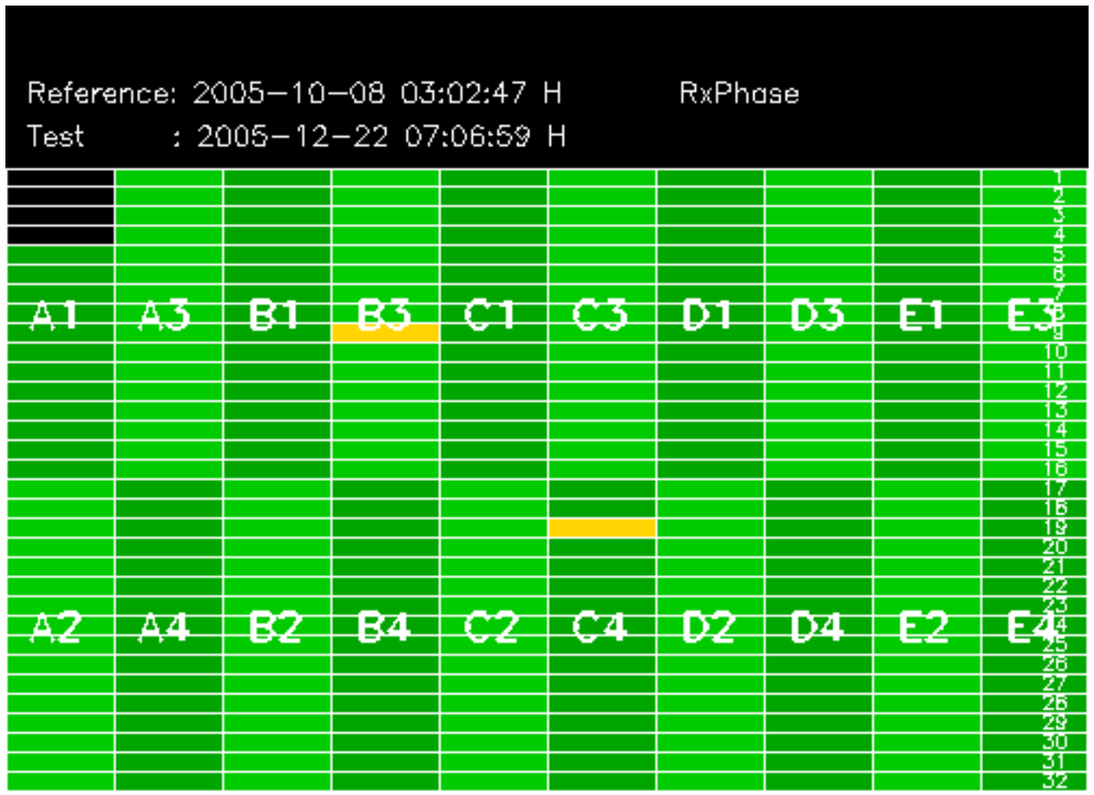
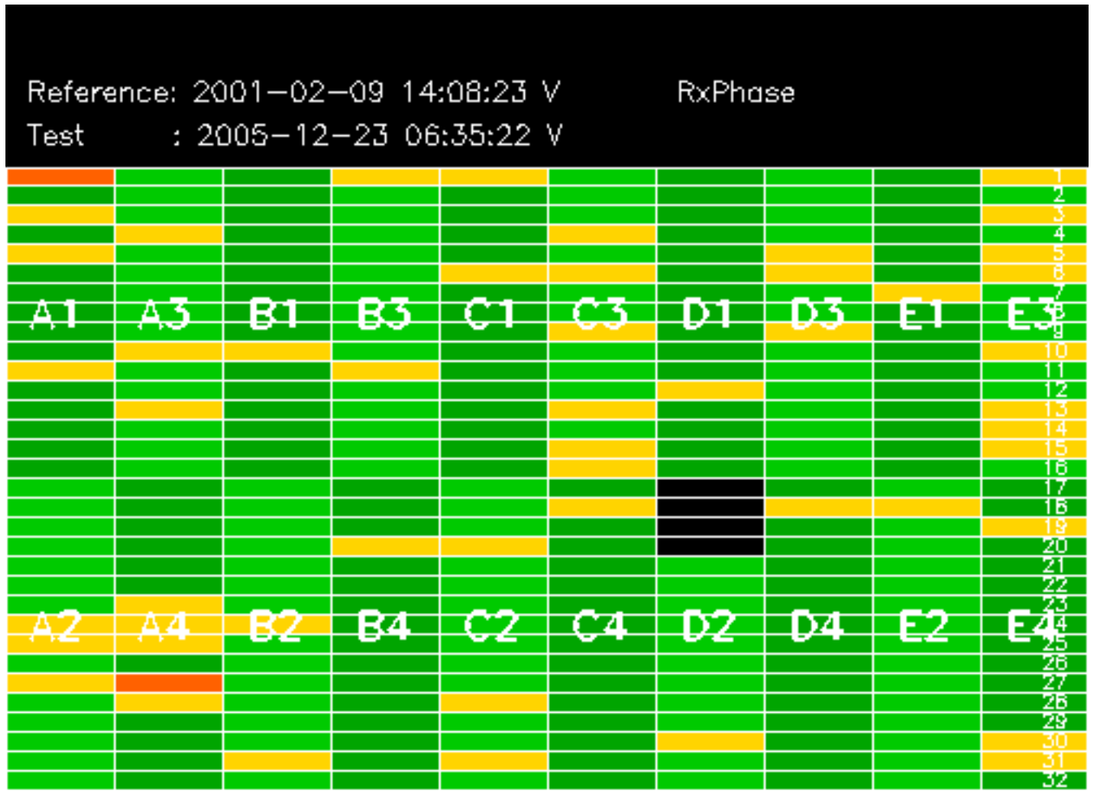
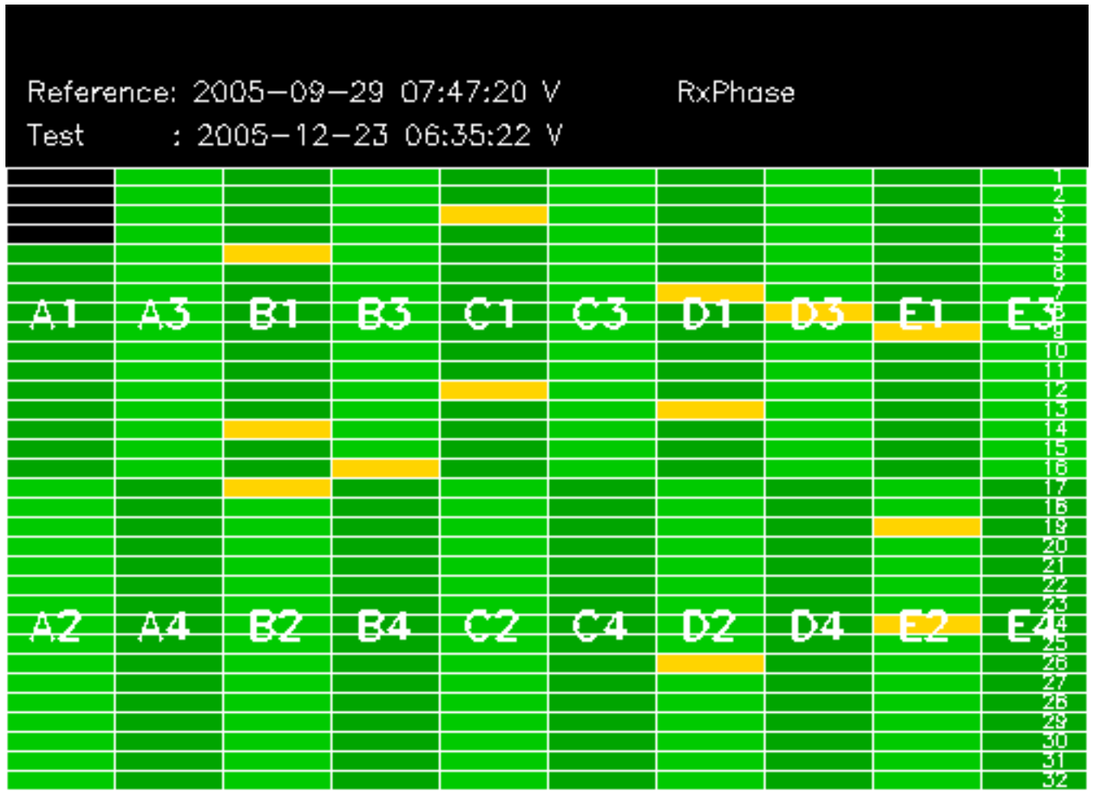

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-12-22 07:06:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2005-12-22 07:06:59 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 : 2005-12-23 06:35:22 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 : 2005-12-23 06:35:22 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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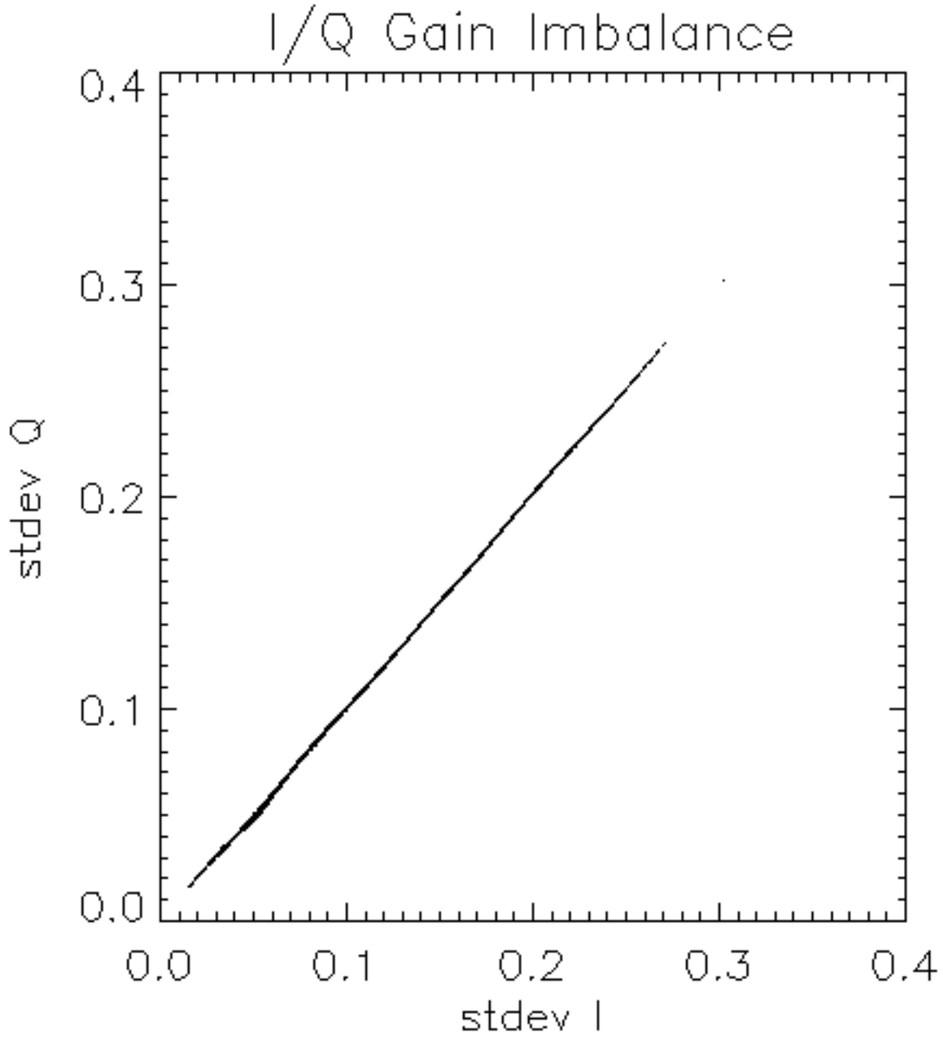
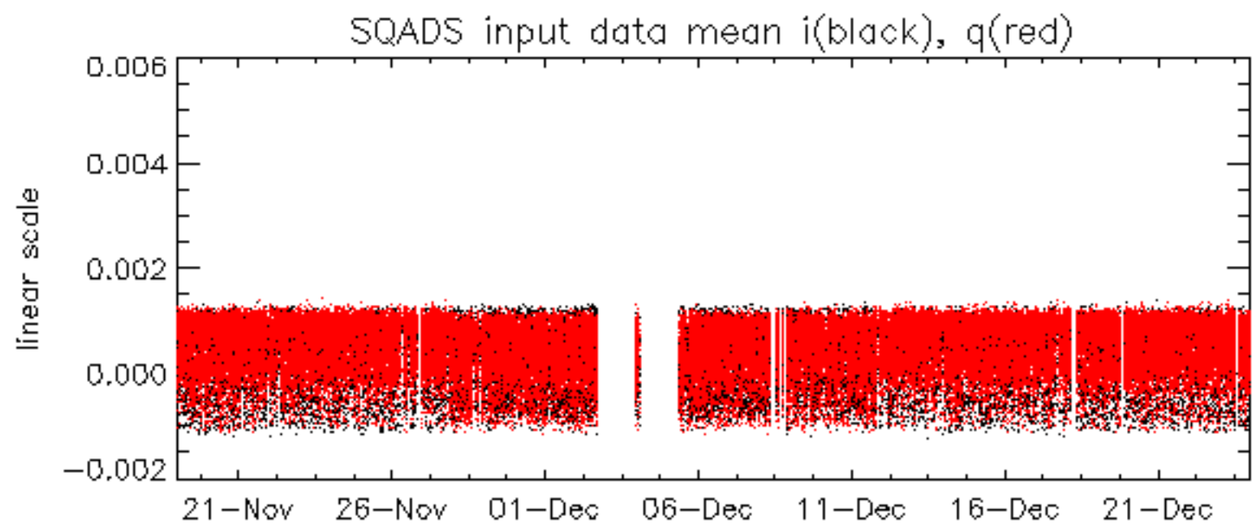
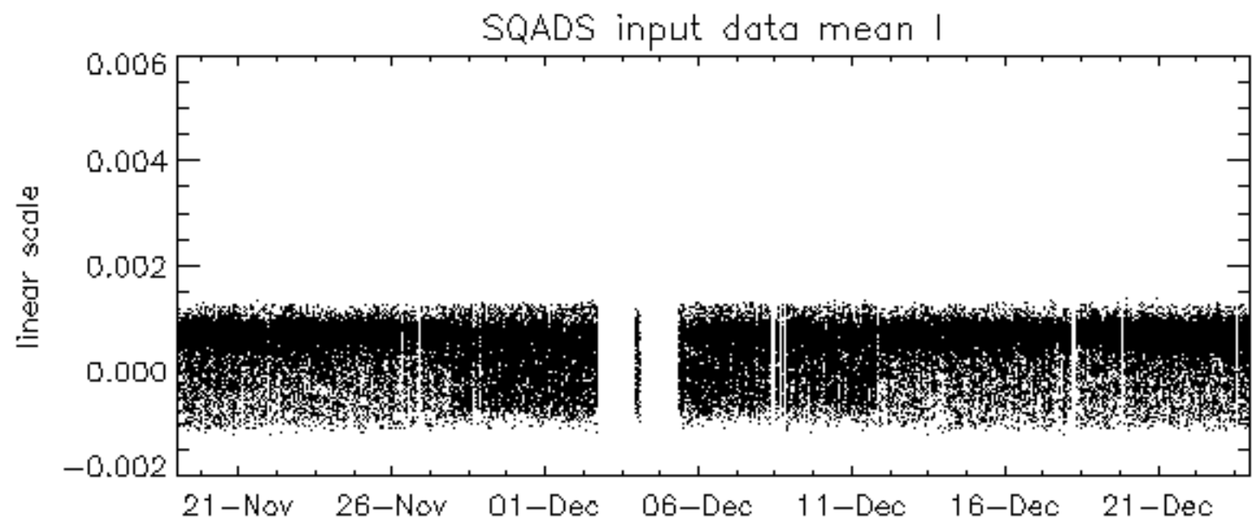
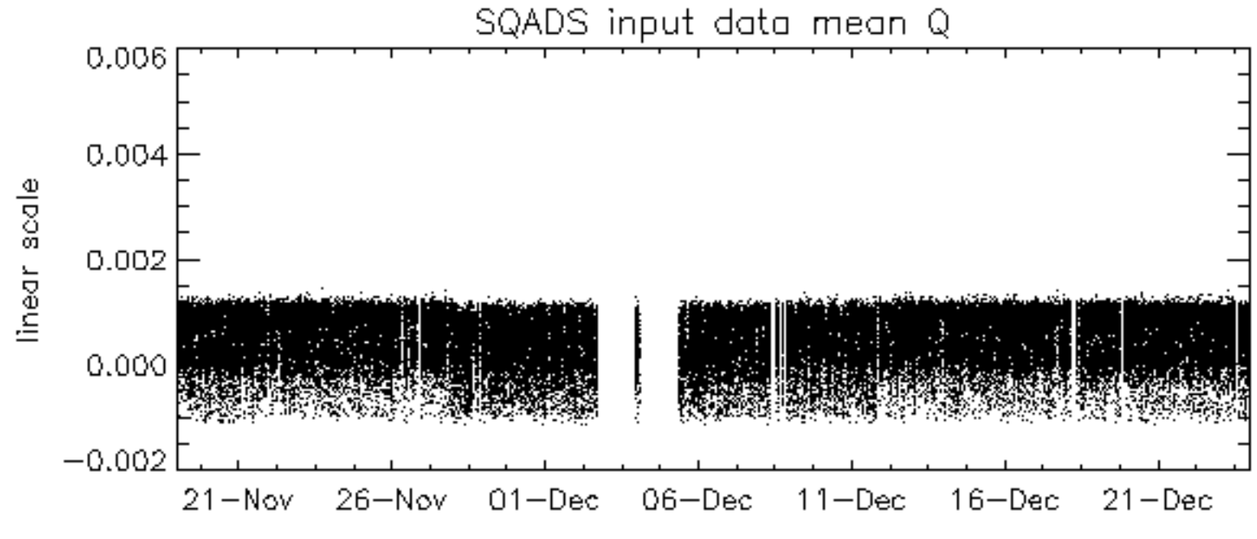
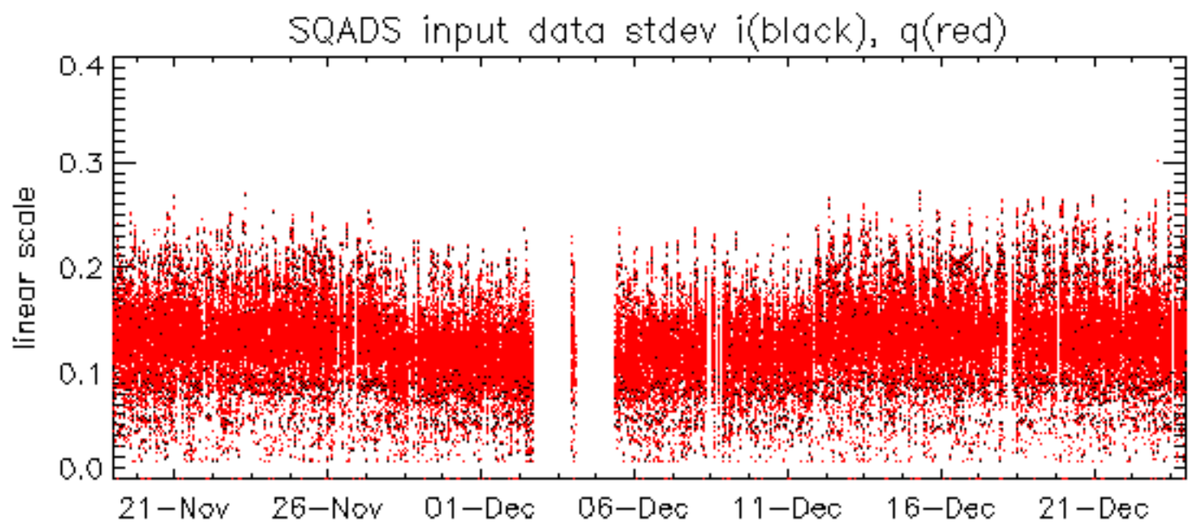
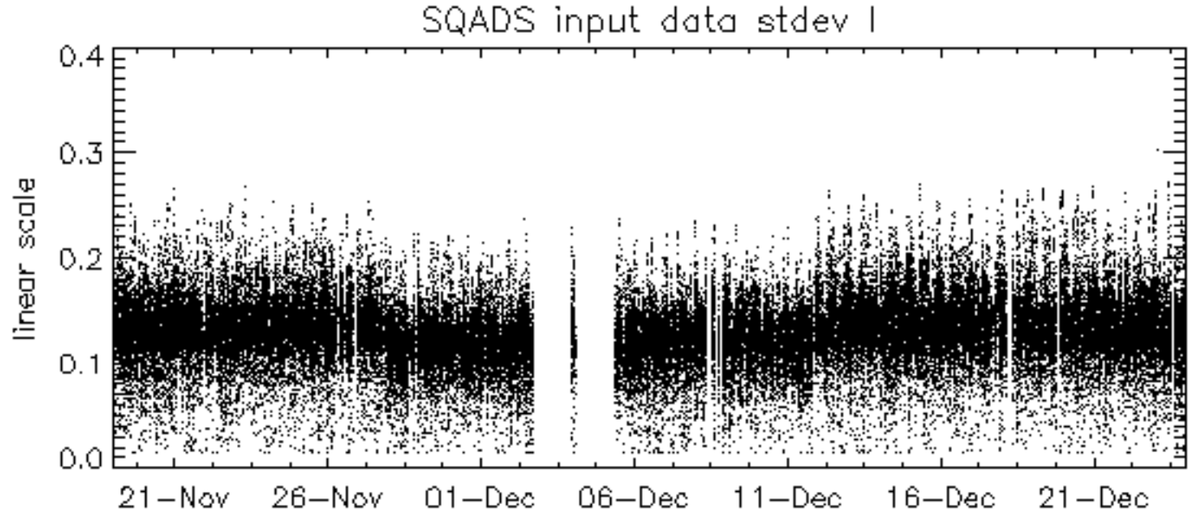

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

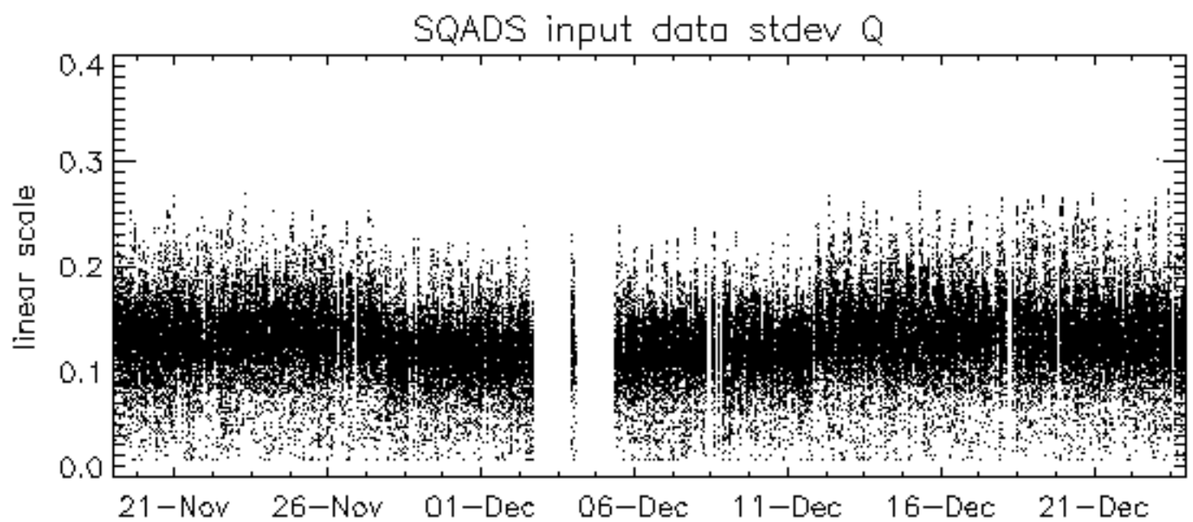

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec

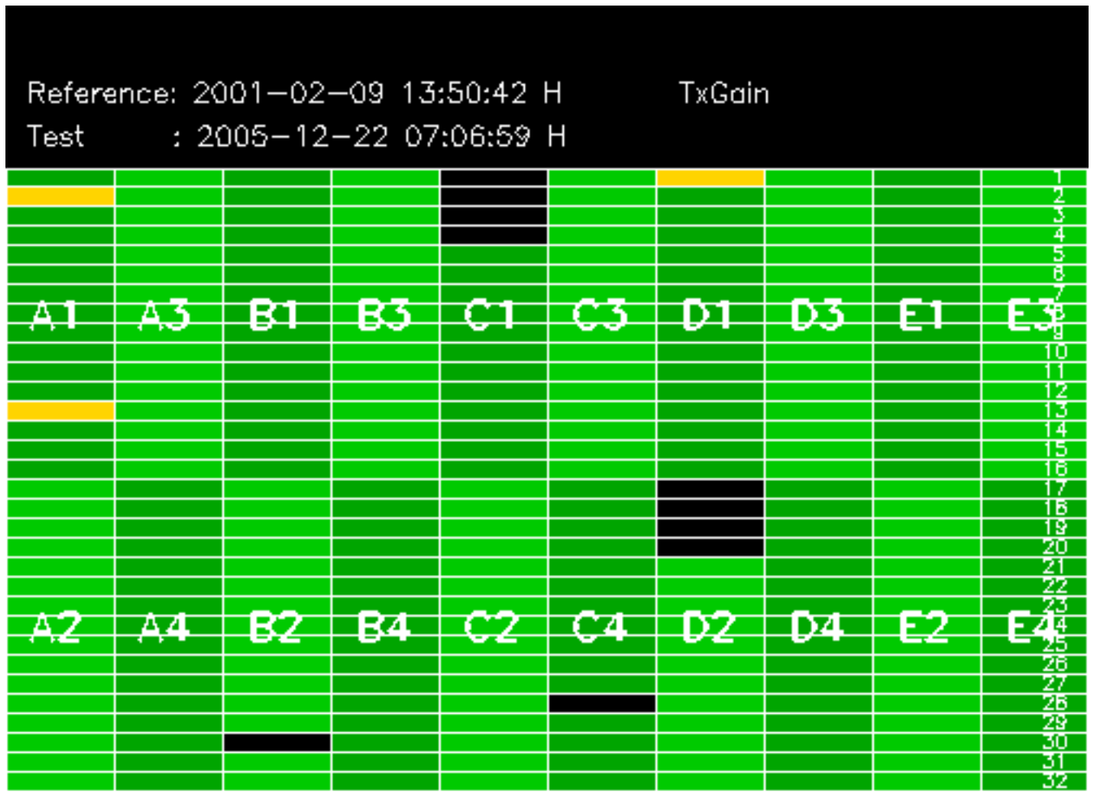

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-22 07:06:59 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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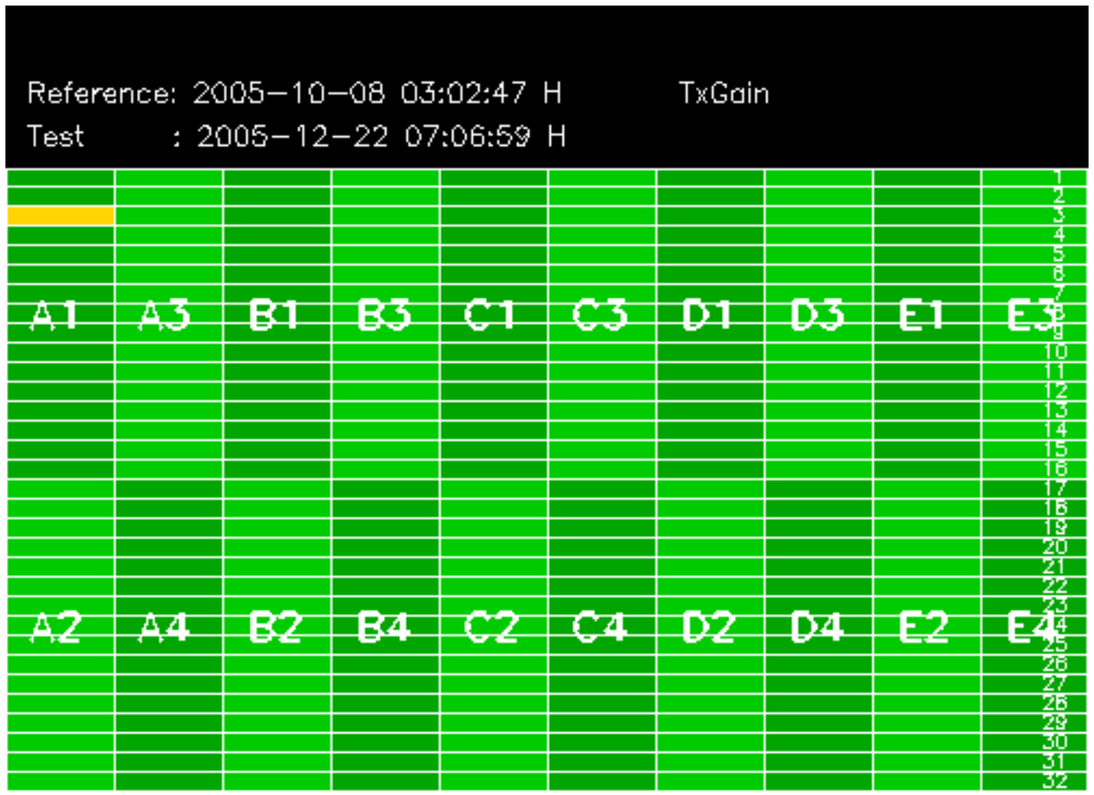
32


Reference: 2005-10-08 03:02:47 H
Test : 2005-12-22 07:06:59 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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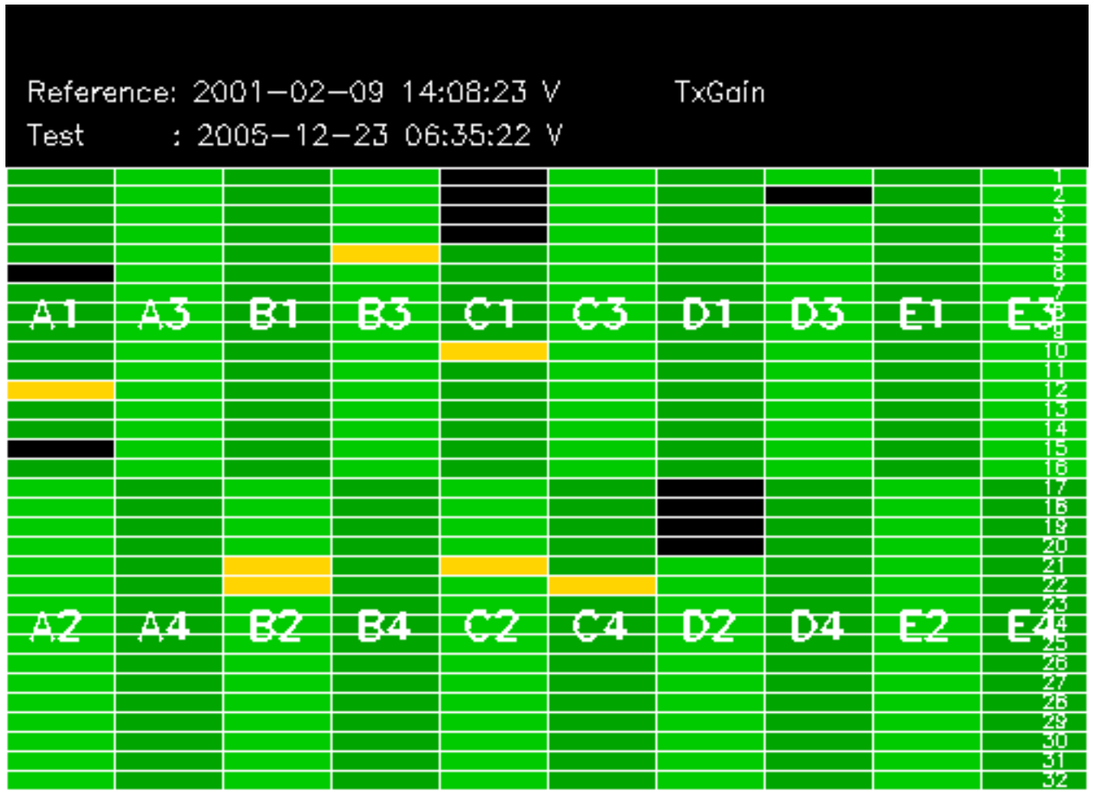
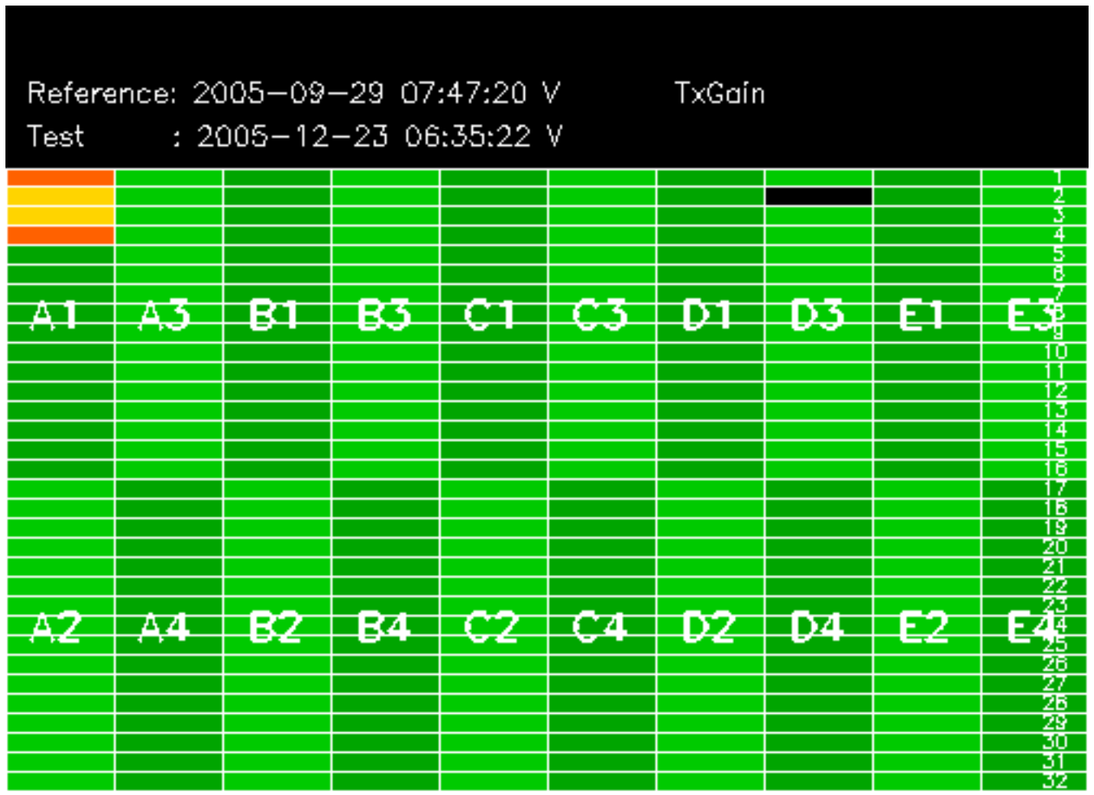

Reference: 2001-02-09 14:08:23 V
Test : 2005-12-23 06:35:22 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2005-12-23 06:35:22 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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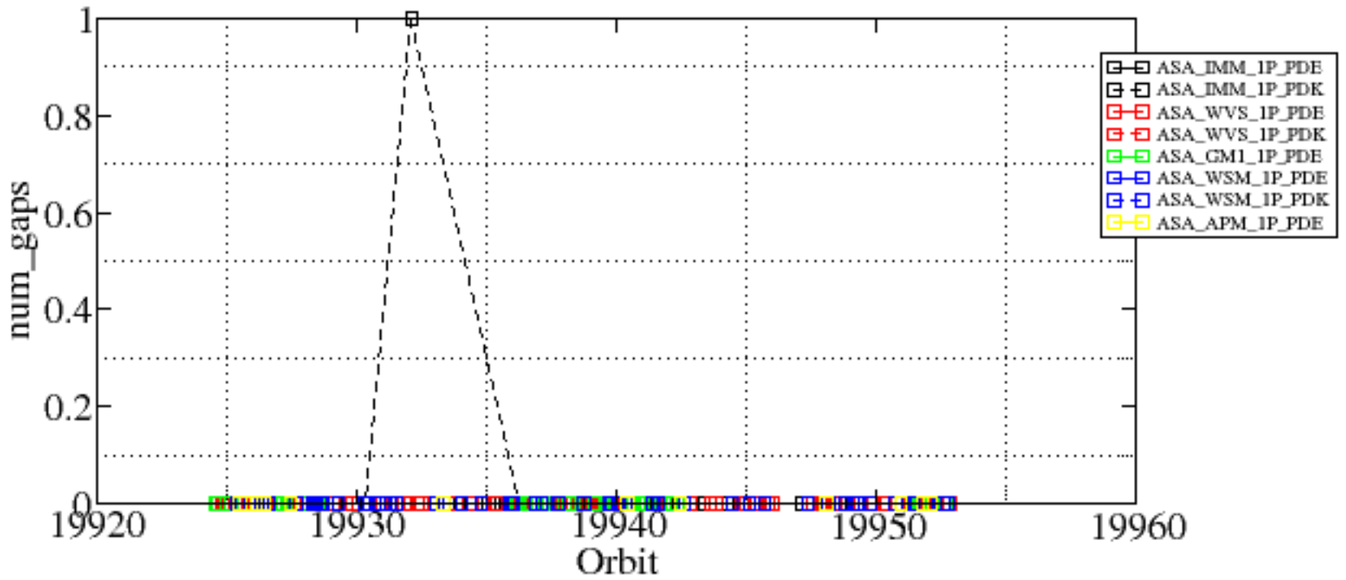
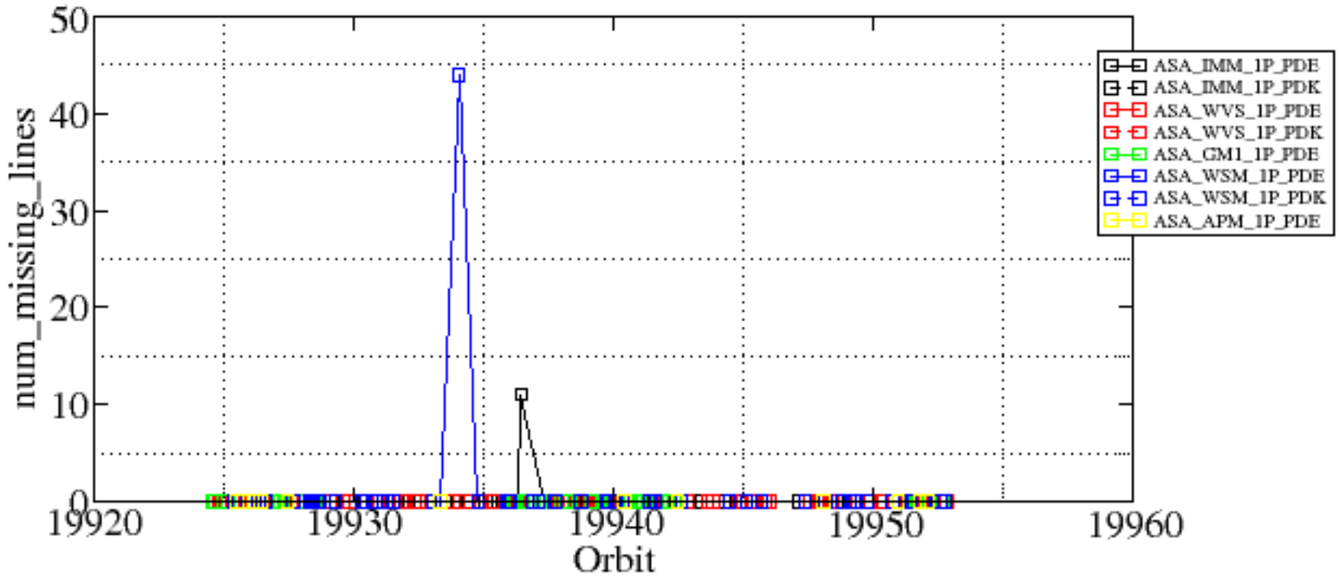
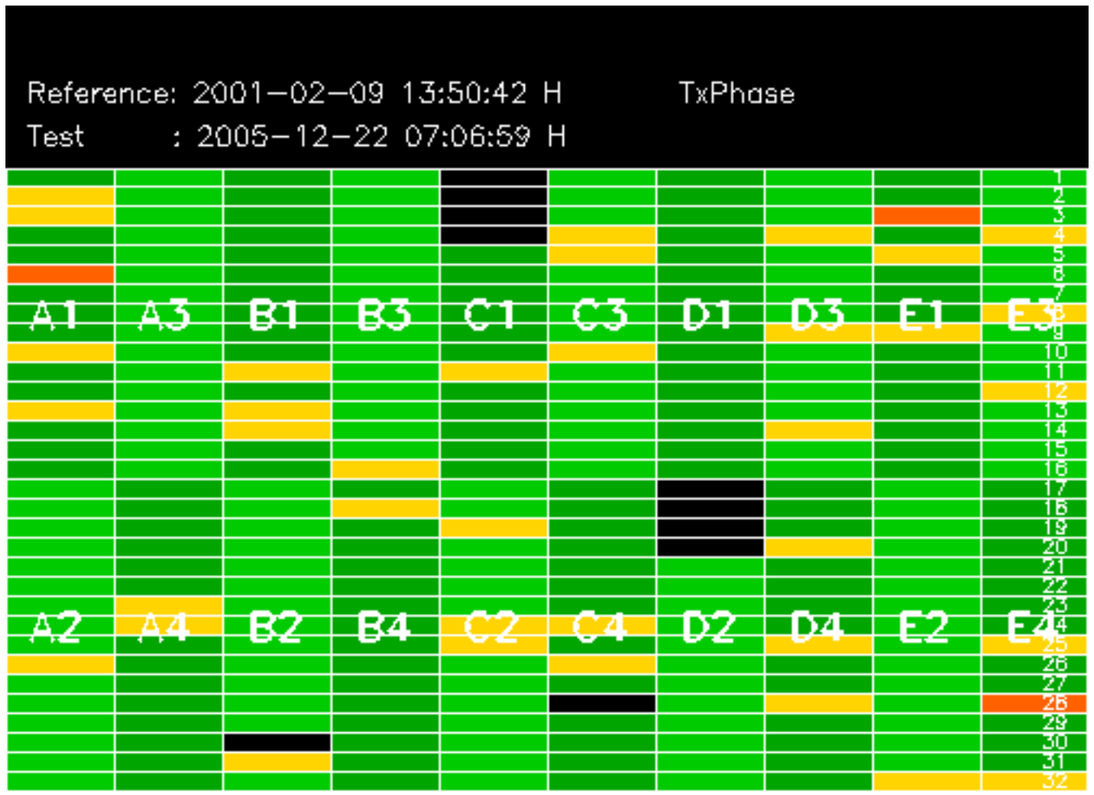
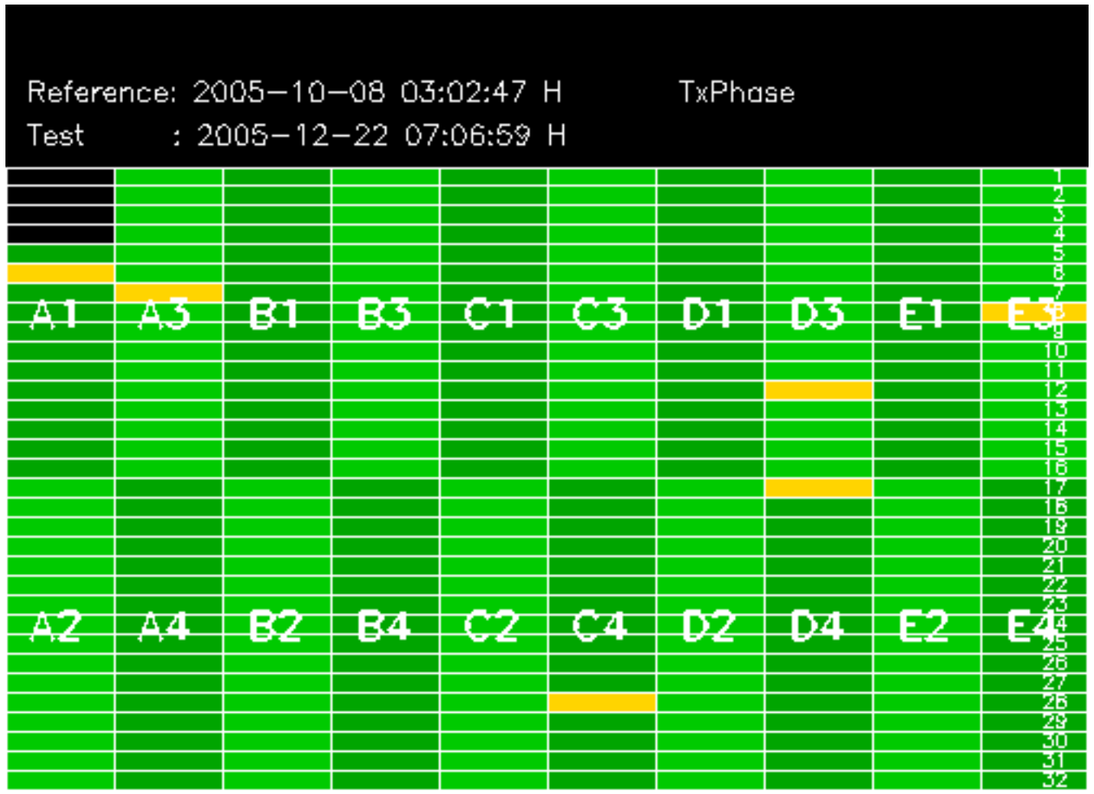
Summary of analysis for the last 3 days 2005122[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20051222_200902_000000502043_00343_19936_4599.N1 </td> <td>0 </td> <td>11 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20051222_125406_000001212043_00339_19932_9583.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051222_160845_000002082043_00341_19934_5342.N1 </td> <td>0 </td> <td>44 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
19920
19930
19940
19950
19960
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
Orbit
50
40
30
20
10
0
19920
19930
19940
19950
19960
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2005-12-22 07:06:59 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
Test : 2005-12-22 07:06:59 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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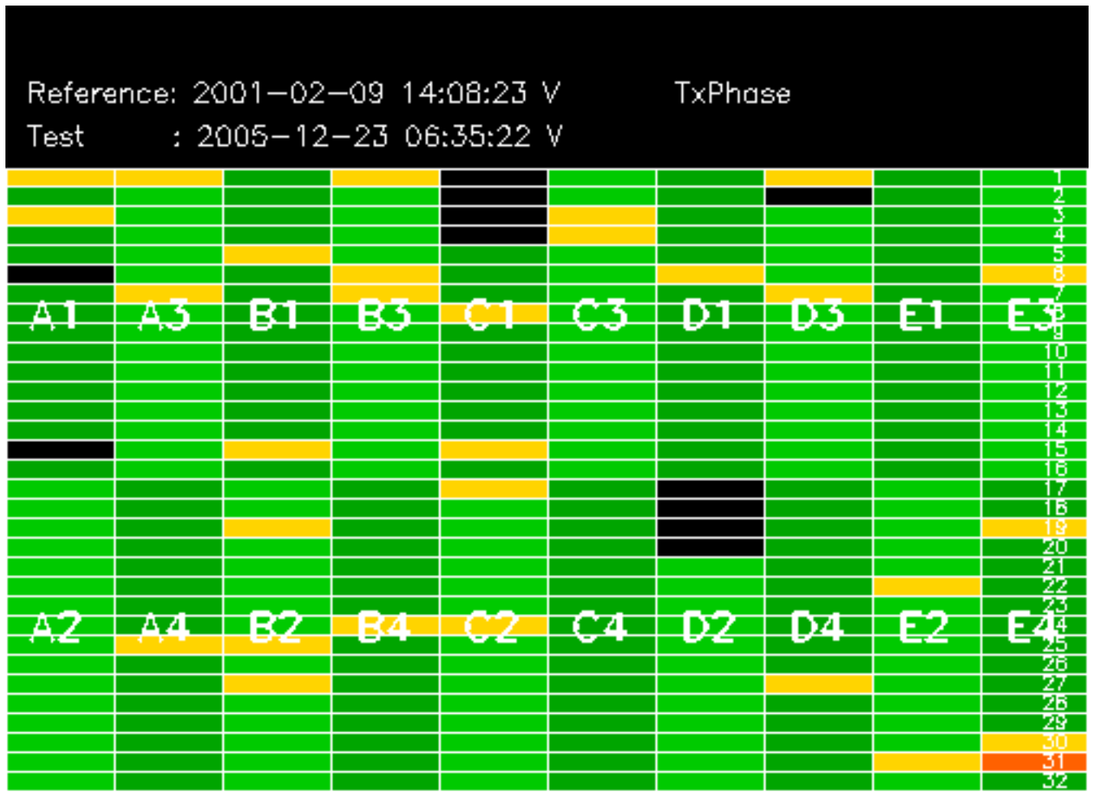
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-23 06:35:22 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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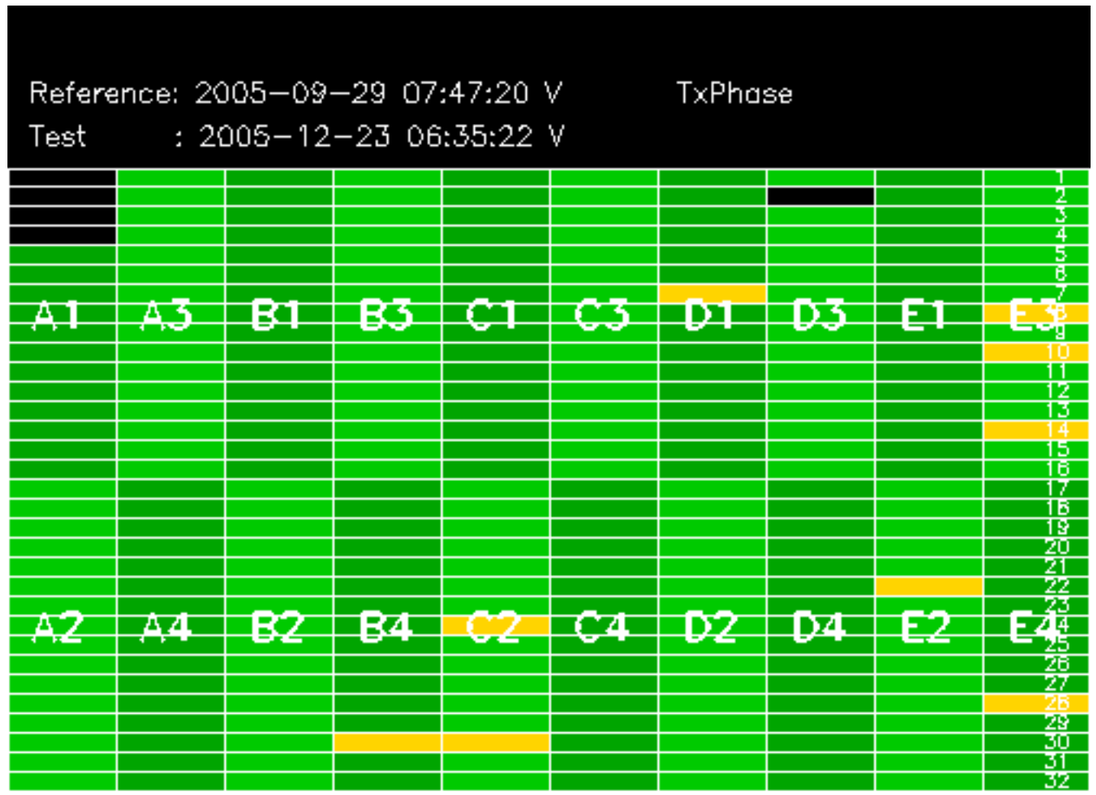
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-23 06:35:22 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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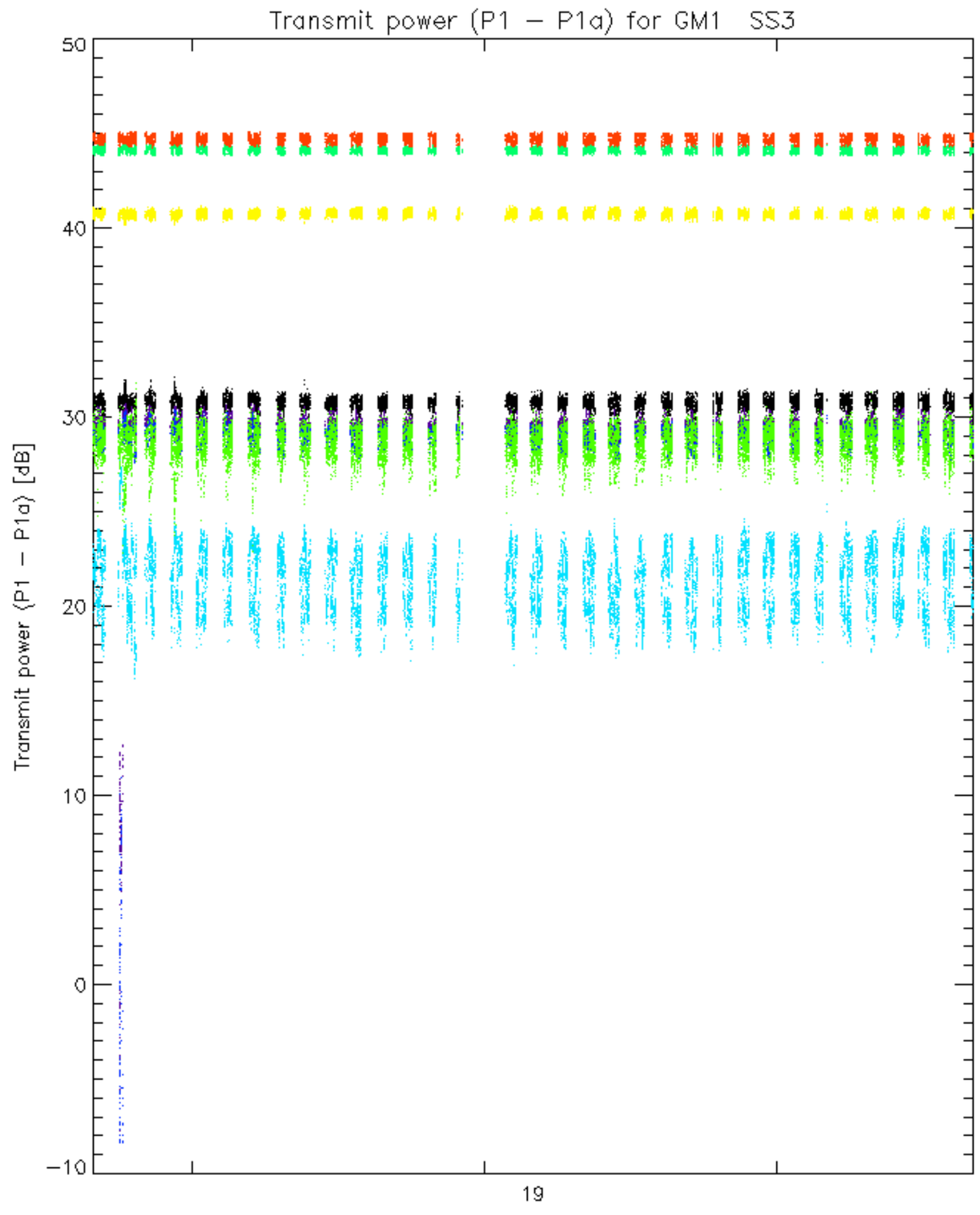
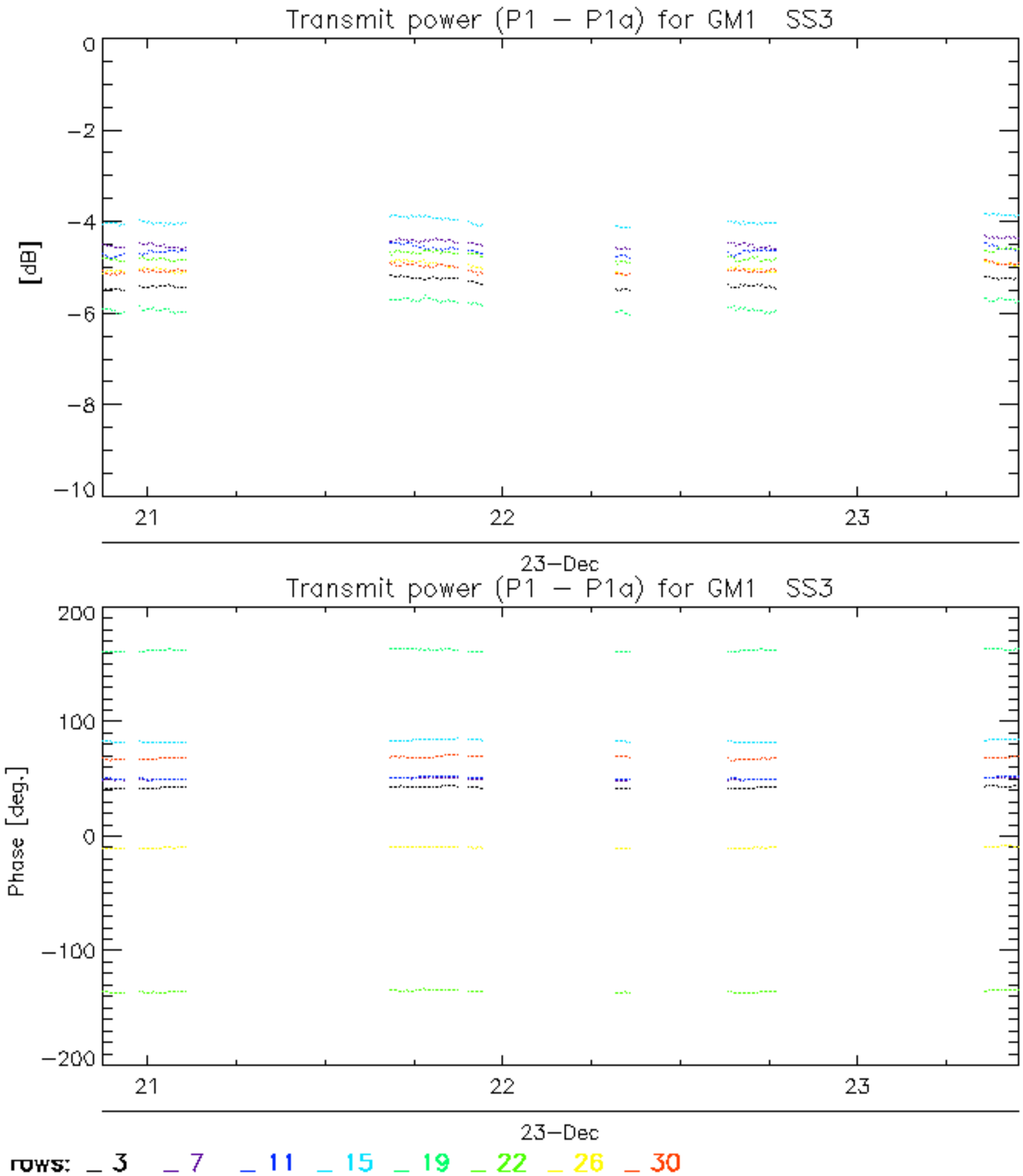
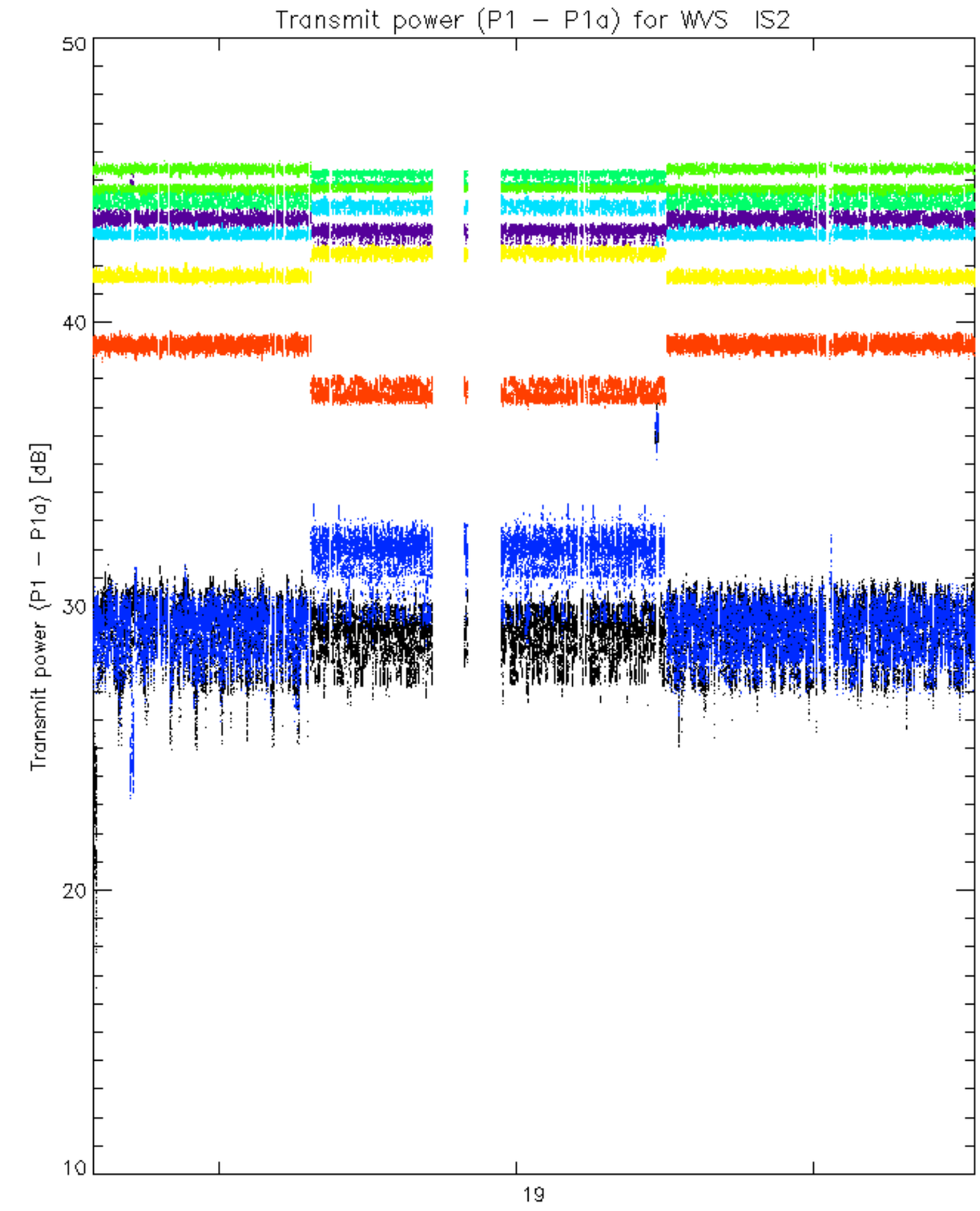
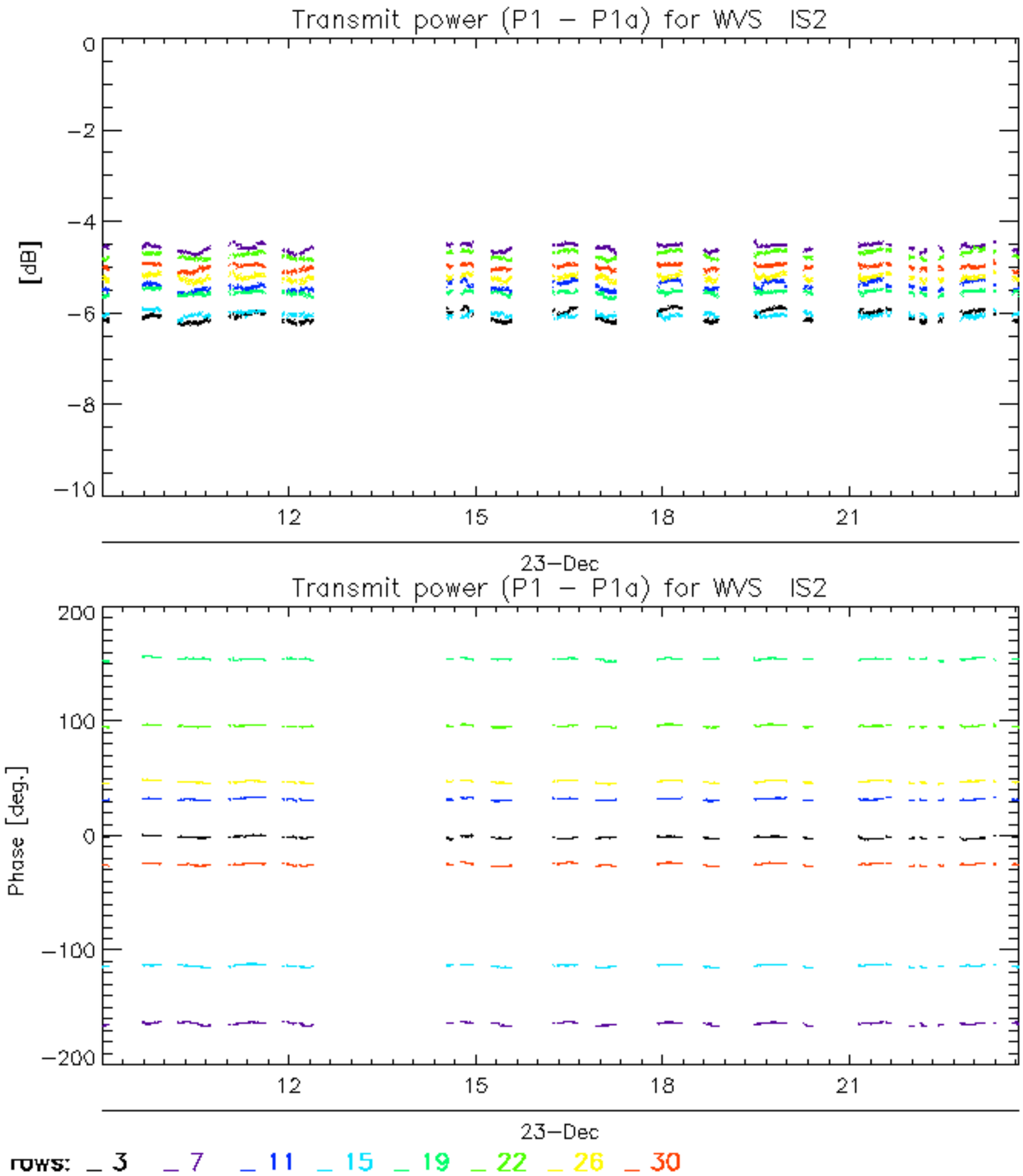

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
19
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
21
22
23
23–Dec
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
21
22
23
23–Dec
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
19
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
12
15
18
21
23–Dec
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
12
15
18
21
23–Dec
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.