# PRELIMINARY REPORT OF 051024

### last update on Mon Oct 24 16:44:51 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 2005-10-23 00:00:00 to 2005-10-24 16:44:51**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 45 | 71 | 17 | 1 | 13 |
| ASA_XCA_AXVIEC20051013_152531_20050916_195733_20061231_000000 | 45 | 71 | 17 | 1 | 13 |
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 45 | 71 | 17 | 1 | 13 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 45 | 71 | 17 | 1 | 13 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 37 | 51 | 25 | 15 | 54 |
| ASA_XCA_AXVIEC20051013_152531_20050916_195733_20061231_000000 | 37 | 51 | 25 | 15 | 54 |
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 37 | 51 | 25 | 15 | 54 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 37 | 51 | 25 | 15 | 54 |

### 2.3 - Browse Visual Inspection

No anomalies observed on available browse products

### 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 | 20051022 204910 |
| H | 20051023 183657 |

**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 | -3.532197 | 0.008942 | 0.034790 |
| 7 | P1 | -2.896277 | 0.010412 | -0.071218 |
| 11 | P1 | -4.068263 | 0.016408 | -0.096241 |
| 15 | P1 | -6.028849 | 0.015256 | -0.041812 |
| 19 | P1 | -3.157427 | 0.005590 | -0.040961 |
| 22 | P1 | -4.447435 | 0.013262 | -0.071119 |
| 26 | P1 | -4.273849 | 0.015093 | 0.043568 |
| 30 | P1 | -5.707291 | 0.008732 | -0.050877 |
| 3 | P1 | -15.399448 | 0.183714 | 0.259184 |
| 7 | P1 | -16.268492 | 0.109739 | -0.143050 |
| 11 | P1 | -16.215870 | 0.284800 | -0.315242 |
| 15 | P1 | -13.344150 | 0.104975 | -0.053555 |
| 19 | P1 | -13.617470 | 0.039990 | -0.146843 |
| 22 | P1 | -16.123678 | 0.482591 | -0.321914 |
| 26 | P1 | -16.160603 | 0.244198 | 0.355014 |
| 30 | P1 | -16.400789 | 0.176868 | -0.156876 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.864901 | 0.098594 | 0.000772 |
| 7 | P2 | -22.698811 | 0.104971 | 0.077933 |
| 11 | P2 | -16.748928 | 0.114624 | 0.146747 |
| 15 | P2 | -7.219544 | 0.101155 | -0.057787 |
| 19 | P2 | -9.172866 | 0.093209 | -0.055541 |
| 22 | P2 | -17.723690 | 0.099399 | -0.127029 |
| 26 | P2 | -16.099272 | 0.094472 | -0.119356 |
| 30 | P2 | -19.624153 | 0.090378 | -0.018457 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 7 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 11 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 15 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 19 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 22 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 26 | P3 | -8.190016 | 0.005685 | -0.044010 |
| 30 | P3 | -8.190016 | 0.005685 | -0.044010 |

**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 | -3.660899 | 0.007138 | -0.020802 |
| 7 | P1 | -2.827582 | 0.011901 | 0.069923 |
| 11 | P1 | -2.850944 | 0.012882 | 0.000434 |
| 15 | P1 | -3.385598 | 0.017956 | 0.012726 |
| 19 | P1 | -3.350743 | 0.010586 | -0.022718 |
| 22 | P1 | -5.142996 | 0.019497 | 0.041889 |
| 26 | P1 | -5.780741 | 0.017621 | -0.054483 |
| 30 | P1 | -5.213613 | 0.026309 | -0.028640 |
| 3 | P1 | -11.402049 | 0.031954 | -0.030878 |
| 7 | P1 | -9.918736 | 0.040388 | 0.003964 |
| 11 | P1 | -10.013136 | 0.057430 | -0.019882 |
| 15 | P1 | -10.575656 | 0.093456 | 0.051102 |
| 19 | P1 | -15.464954 | 0.067986 | -0.056831 |
| 22 | P1 | -20.470772 | 1.193714 | -0.287540 |

| | | | | |
|---|---|---|---|---|
| 26 | P1 | -17.099119 | 0.390385 | -0.200024 |
| 30 | P1 | -18.772493 | 0.385804 | 0.561287 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.705059 | 0.038682 | 0.021887 |
| 7 | P2 | -23.052799 | 0.090736 | -0.070409 |
| 11 | P2 | -11.748728 | 0.027572 | 0.021158 |
| 15 | P2 | -4.893421 | 0.037257 | -0.080408 |
| 19 | P2 | -6.899477 | 0.026509 | -0.047063 |
| 22 | P2 | -8.109020 | 0.024757 | -0.069980 |
| 26 | P2 | -23.864841 | 0.038908 | -0.121059 |
| 30 | P2 | -22.059431 | 0.026938 | -0.041687 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.034060 | 0.002826 | -0.043258 |
| 7 | P3 | -8.034148 | 0.002831 | -0.043064 |
| 11 | P3 | -8.034091 | 0.002829 | -0.043414 |
| 15 | P3 | -8.034162 | 0.002834 | -0.043636 |
| 19 | P3 | -8.034203 | 0.002839 | -0.043367 |
| 22 | P3 | -8.034049 | 0.002847 | -0.043552 |
| 26 | P3 | -8.034327 | 0.002845 | -0.043242 |
| 30 | P3 | -8.034160 | 0.002841 | -0.043444 |

## 4.3 - cal pulses monitoring (all rows)

### 4.3.1 - Evolution for WVS

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### 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 | 0.000558204 |
| | stdev | 1.72093e-07 |
| MEAN Q | mean | 0.000538567 |
| | stdev | 2.16913e-07 |

## 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.137542 |
| | stdev | 0.00112818 |
| STDEV Q | mean | 0.137887 |
| | stdev | 0.00114460 |

## 5.3 - Gain imbalance I/Q

# 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005102[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_1PNPDK20051023_123959_000001452041_00482_19073_6051.N1 | 1 | 0 |
| ASA_GM1_1PNPDK20051023_151422_000011362041_00483_19074_9321.N1 | 0 | 7 |
| ASA_WSM_1PNPDE20051022_010806_000002192041_00460_19051_5377.N1 | 0 | 123 |
| ASA_WSM_1PNPDE20051022_022829_000000422041_00461_19052_5382.N1 | 0 | 120 |
| ASA_WSM_1PNPDE20051022_162409_000000922041_00470_19061_5477.N1 | 0 | 44 |

| | | |
|---|---|---|
| ASA_WSM_1PNPDE20051022_180625_000001292041_00471_19062_5521.N1 | 0 | 70 |
| ASA_WSM_1PNPDE20051022_230541_000000672041_00474_19065_5561.N1 | 0 | 3 |
| ASA_WSM_1PNPDE20051024_015714_000001592041_00490_19081_5772.N1 | 0 | 11 |
| ASA_WSM_1PNPDE20051024_033513_000000672041_00491_19082_5794.N1 | 0 | 50 |

# 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

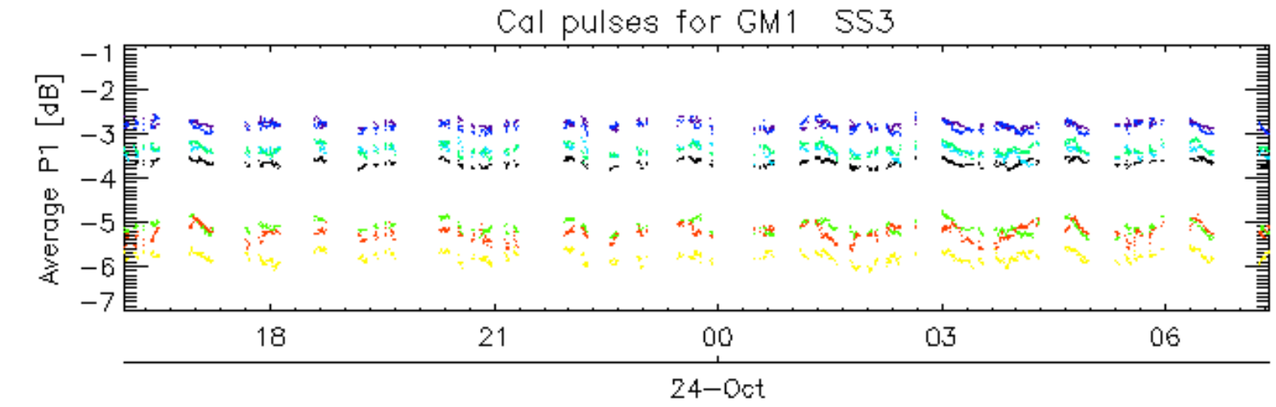
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
|  |
| Acsending |
|  |
| Descending |

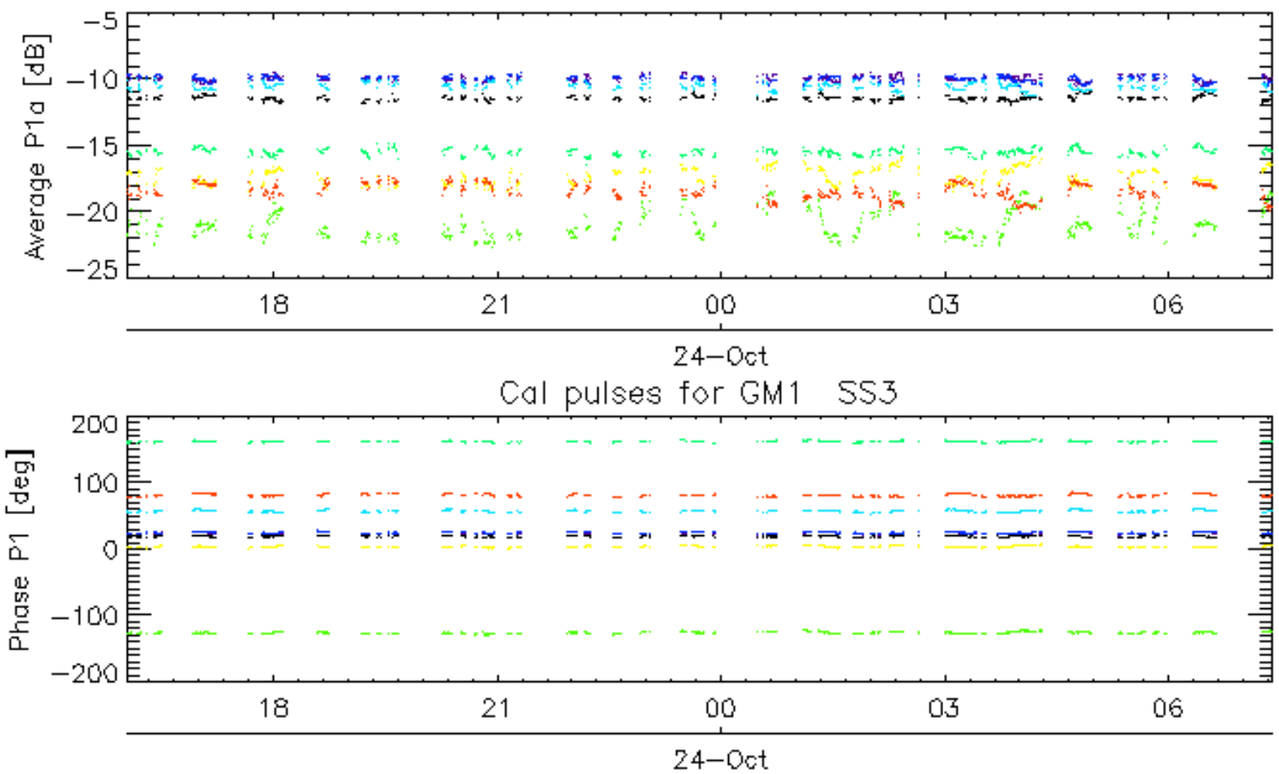
## 7.5 - Absolute Doppler for GM1

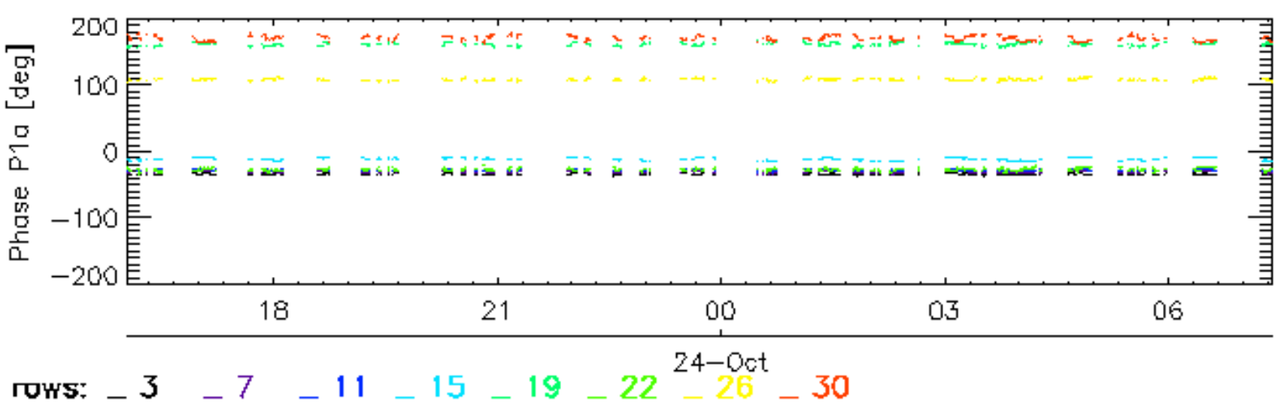
| Evolution of Absolute Doppler |
| --- |
|  |
| Acsending |
|  |
| Descending |

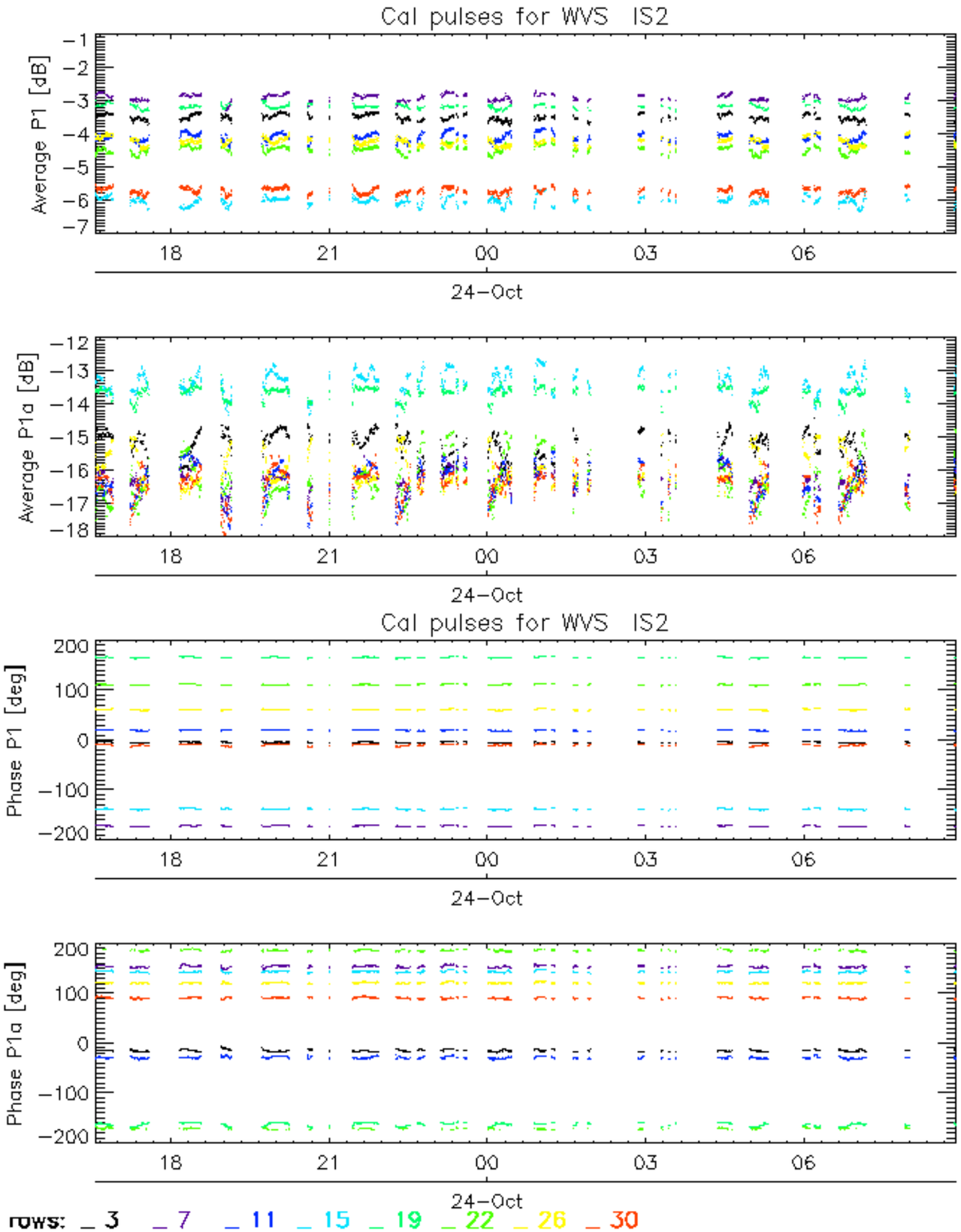
## 7.6 - Doppler evolution versus ANX for GM1

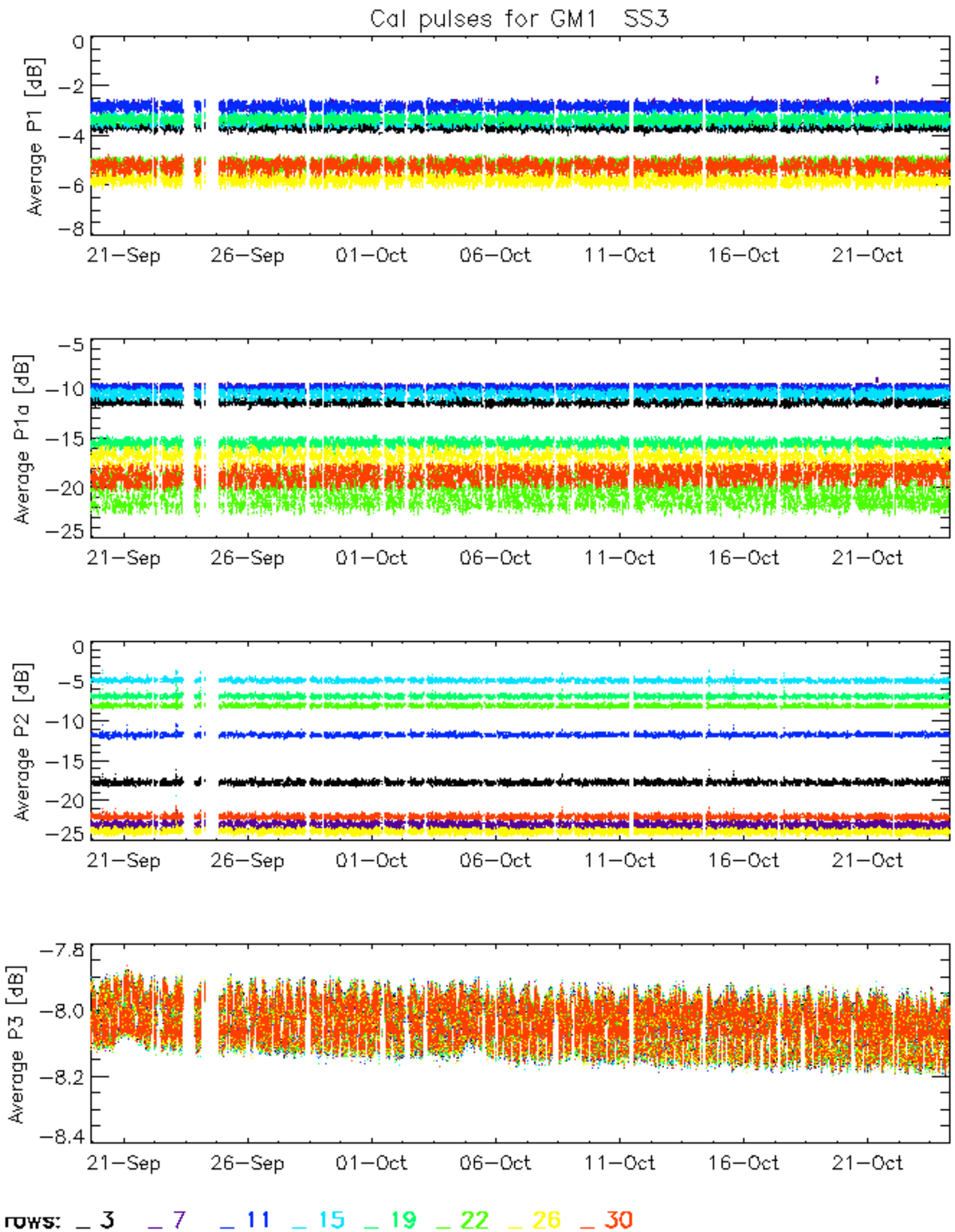
| Evolution Doppler error versus ANX |
| --- |
|  |

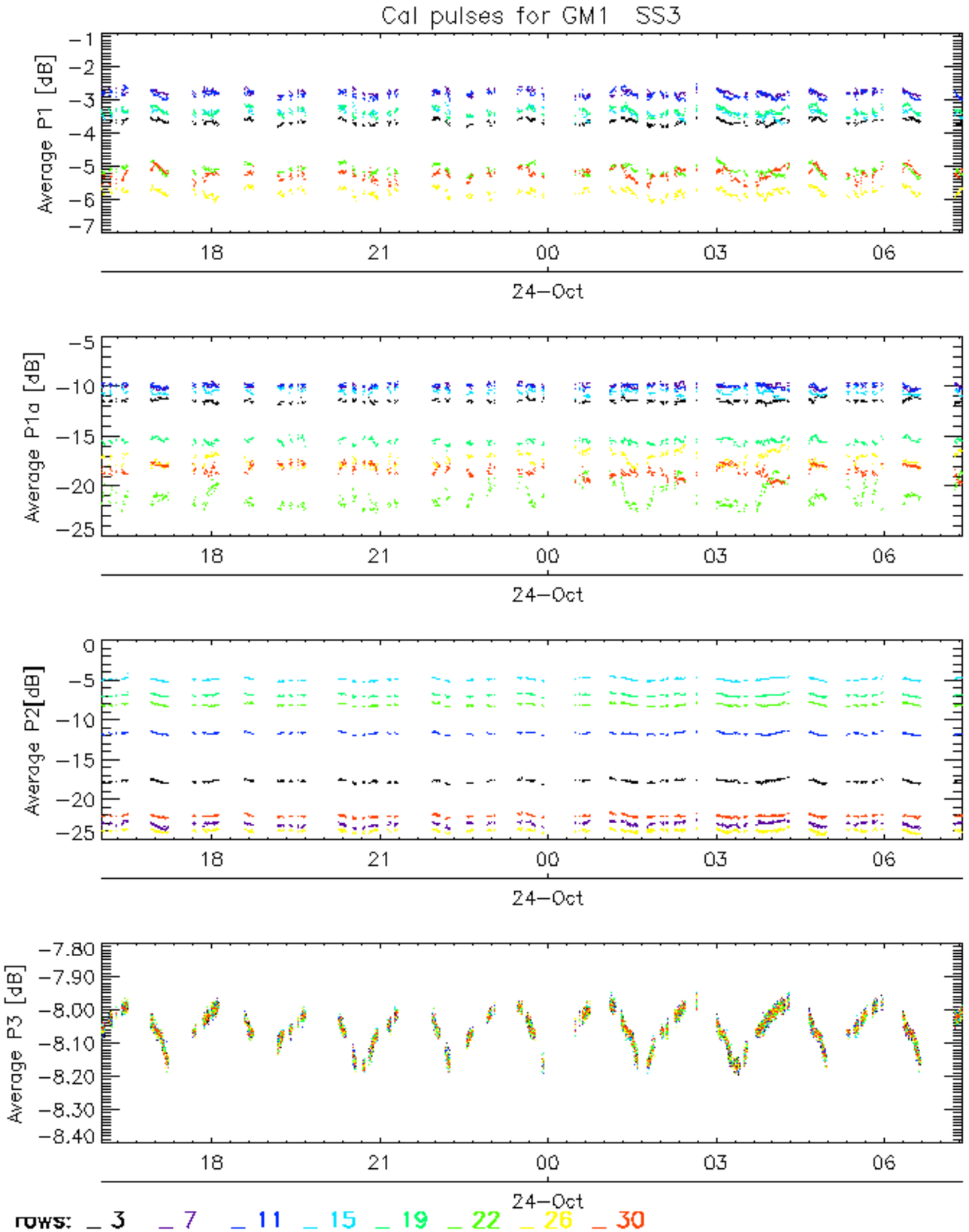

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
24−Oct

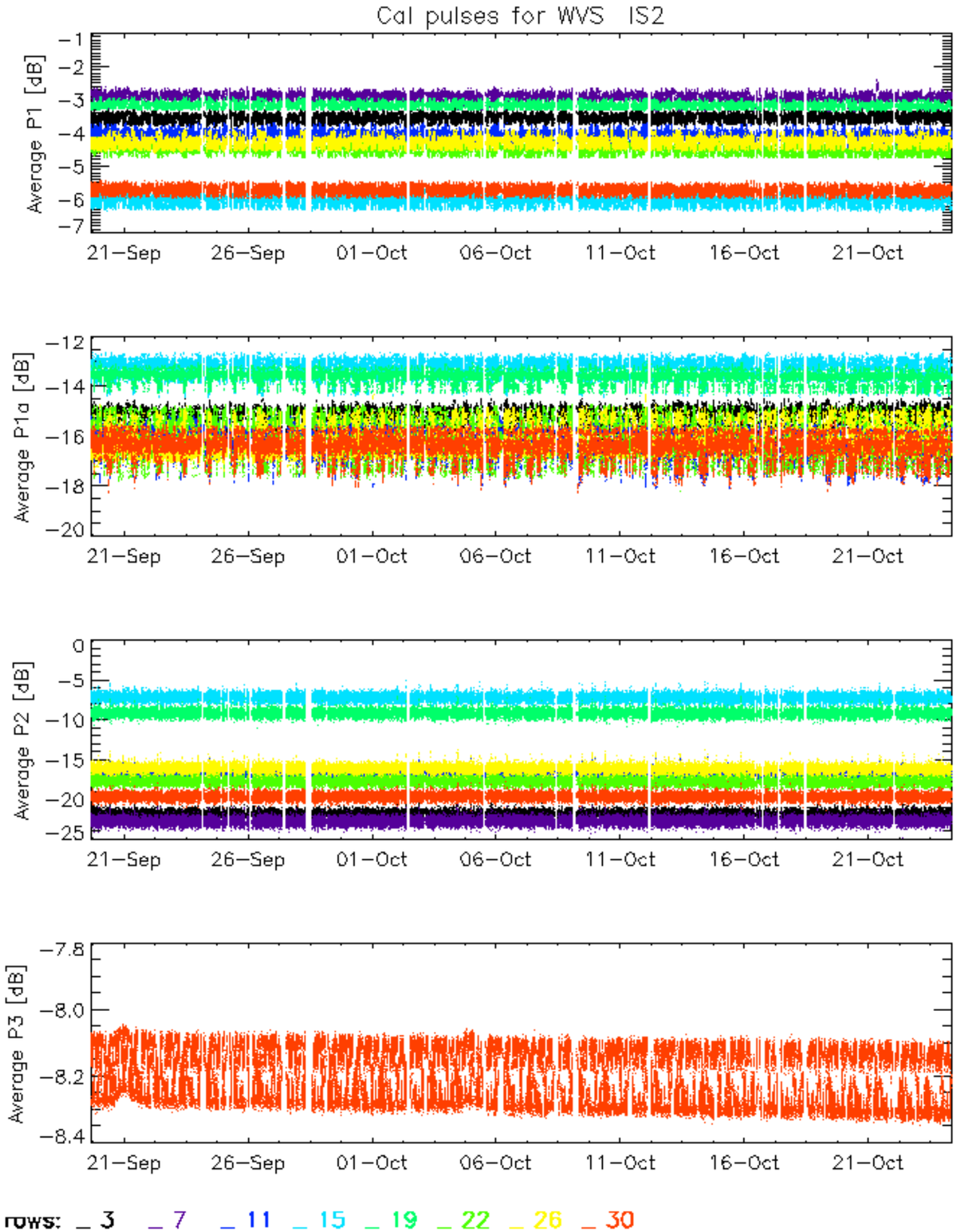

Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
24−Oct
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
24−Oct

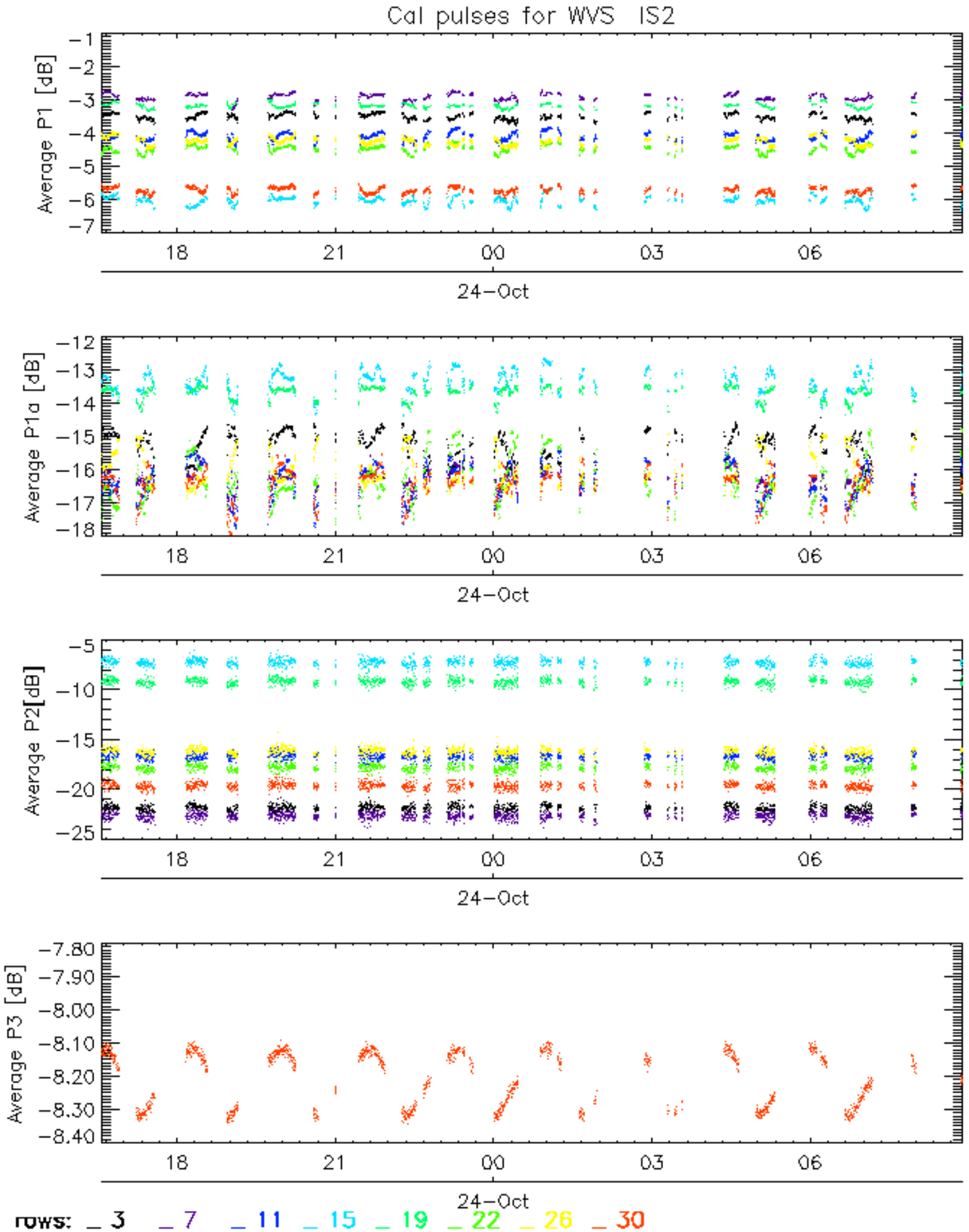

Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
24−Oct
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
24−Oct
Average P1a [dB]
−12
−13
−14
−15
−16
−17
−18
18
21
00
03
06
24−Oct
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
24−Oct
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
24−Oct
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−Sep
26−Sep
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

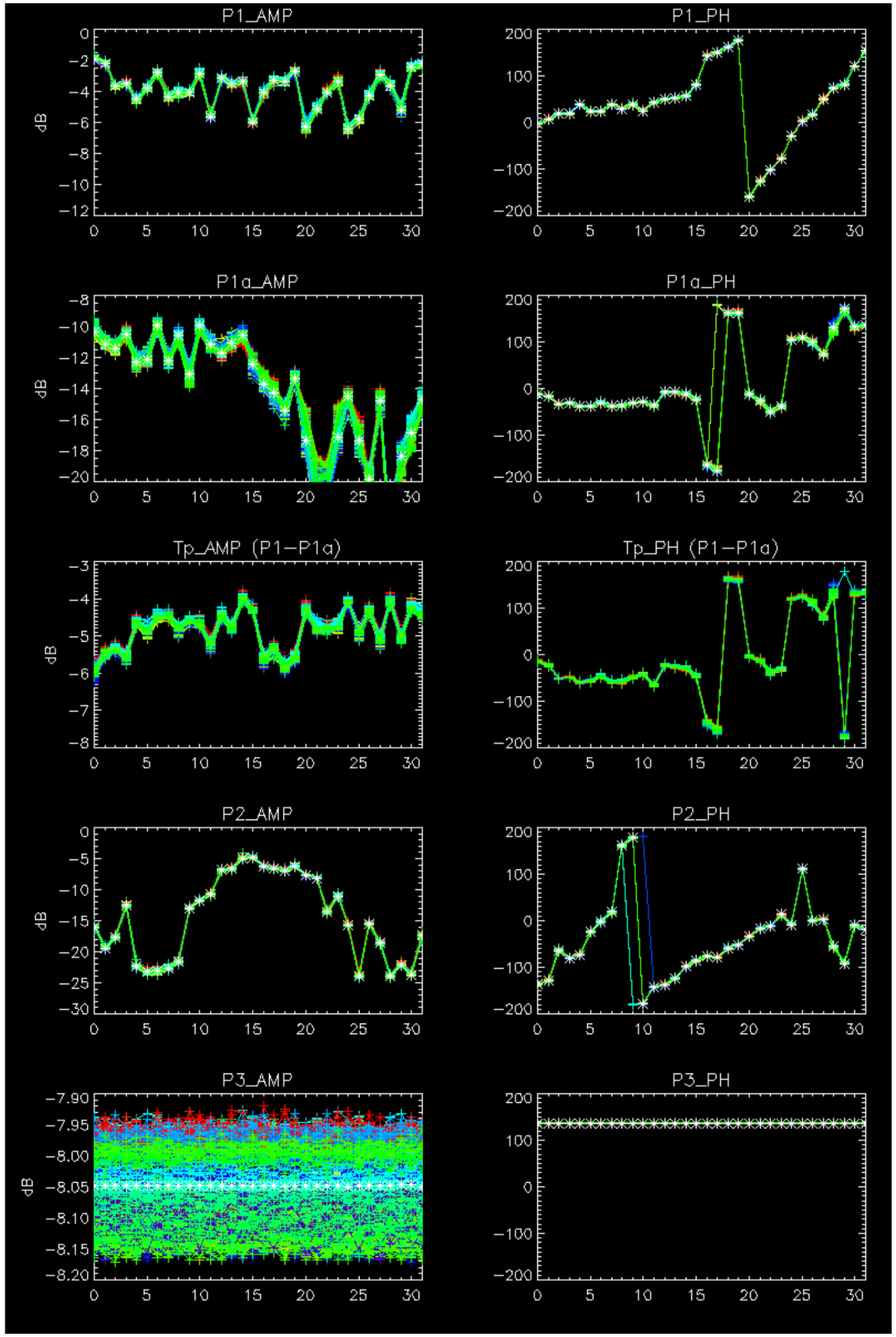

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
24−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
24−Oct
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
24−Oct
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
24−Oct
rows: _ 3 _ 7 _ 11 _ 15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

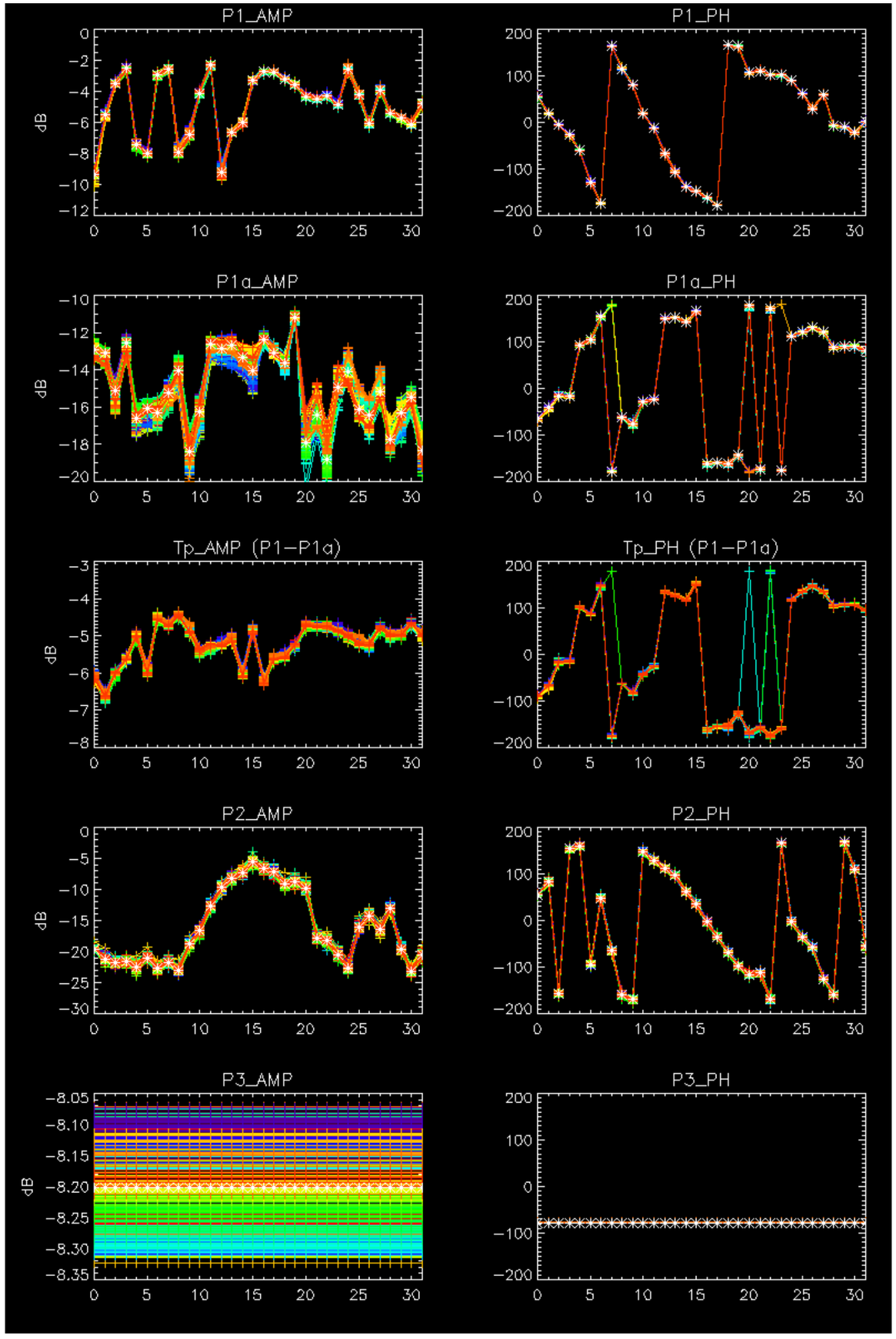

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct
Average P1a [dB]
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
24−Oct
Average P1a [dB]
−12
−13
−14
−15
−16
−17
−18
18
21
00
03
06
24−Oct
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
06
24−Oct
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
24−Oct
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

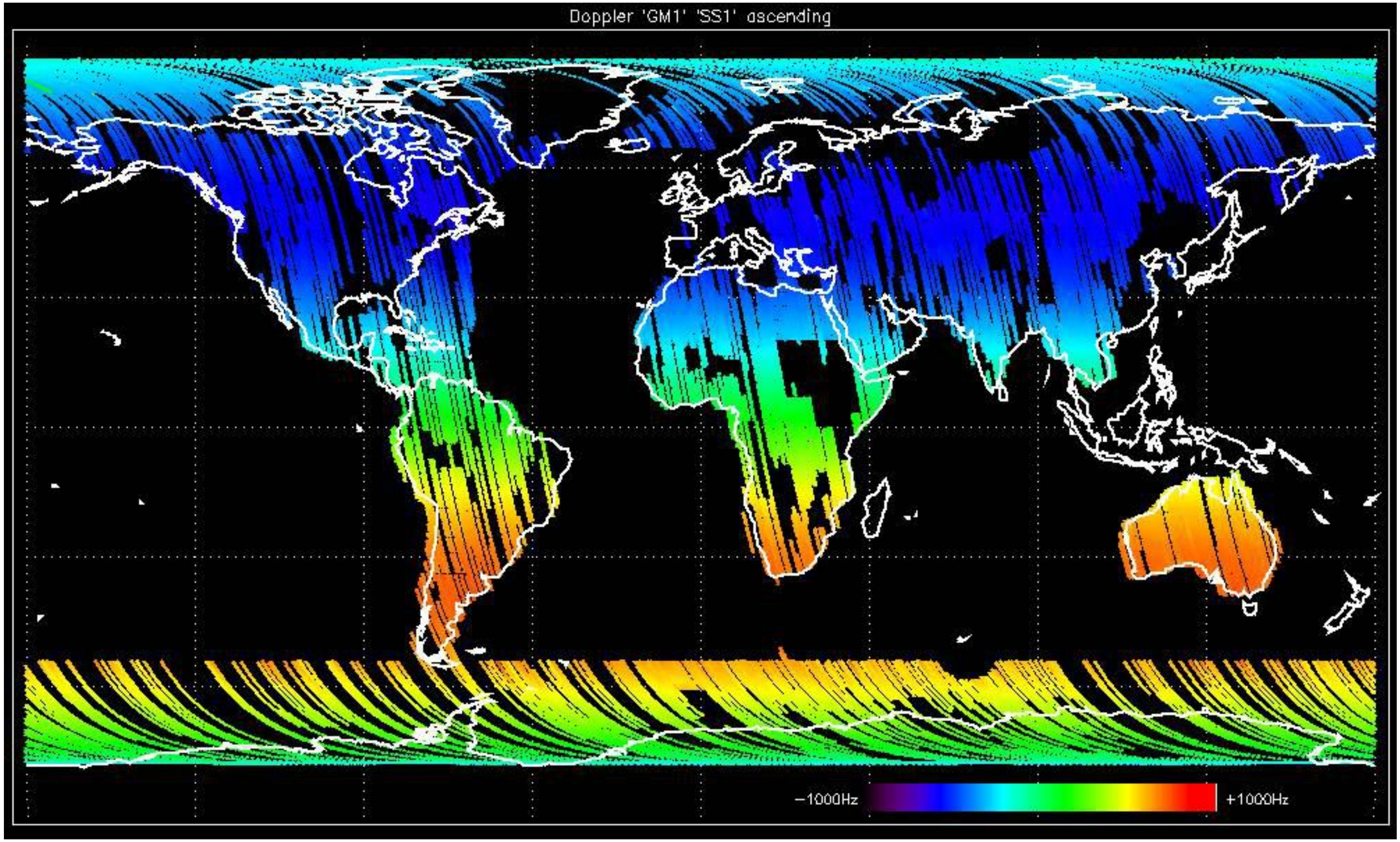
No anomalies observed.

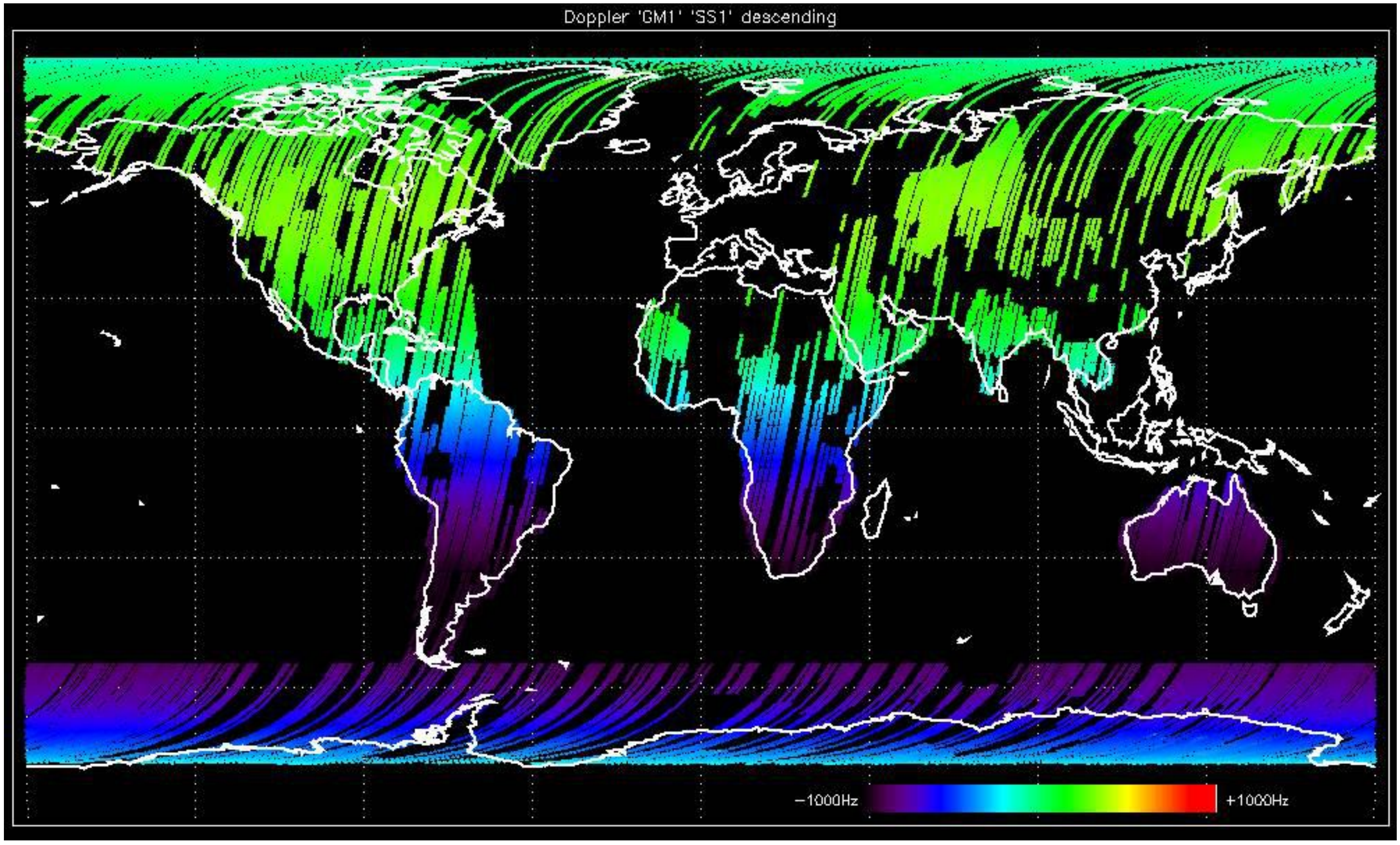

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

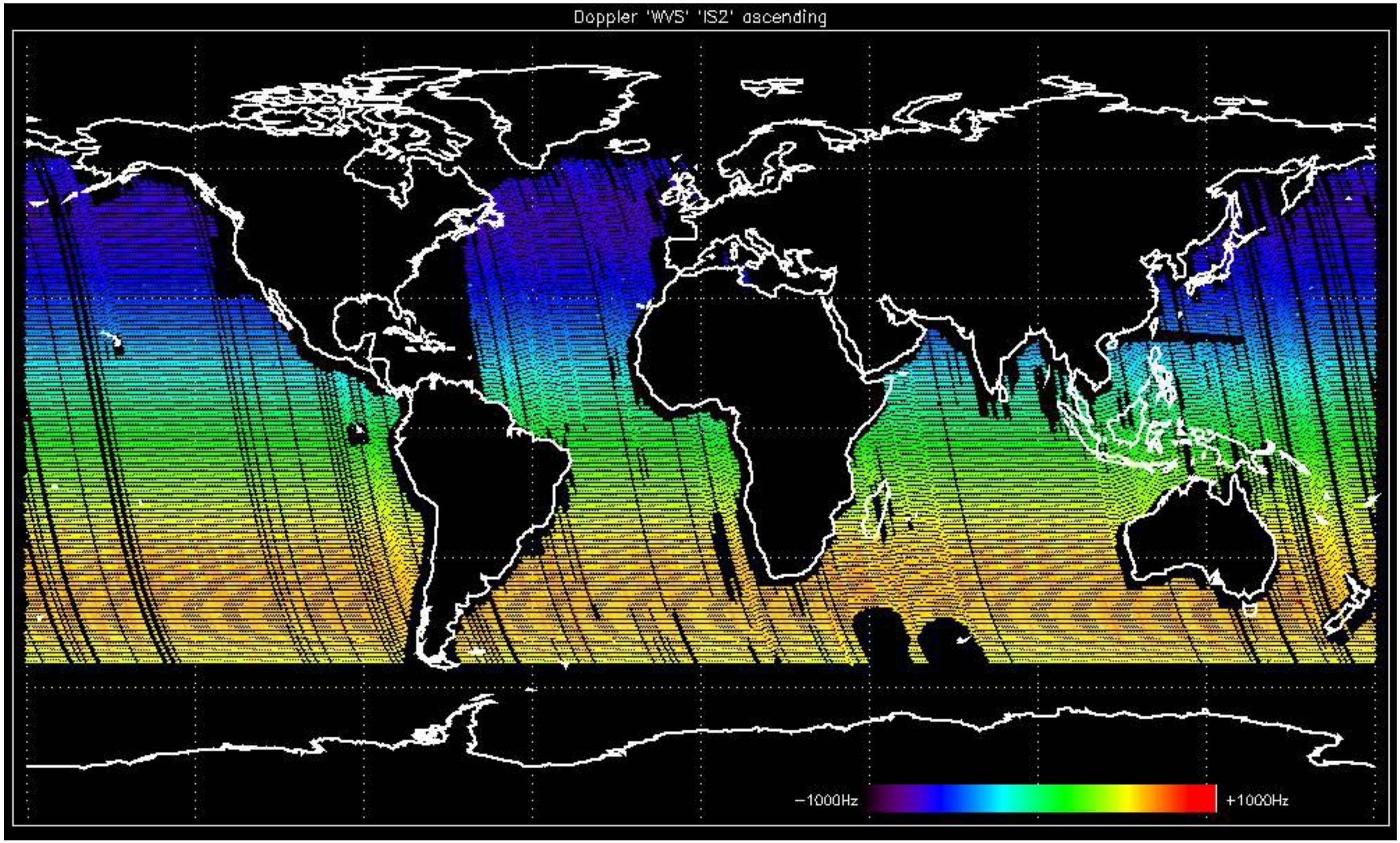

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

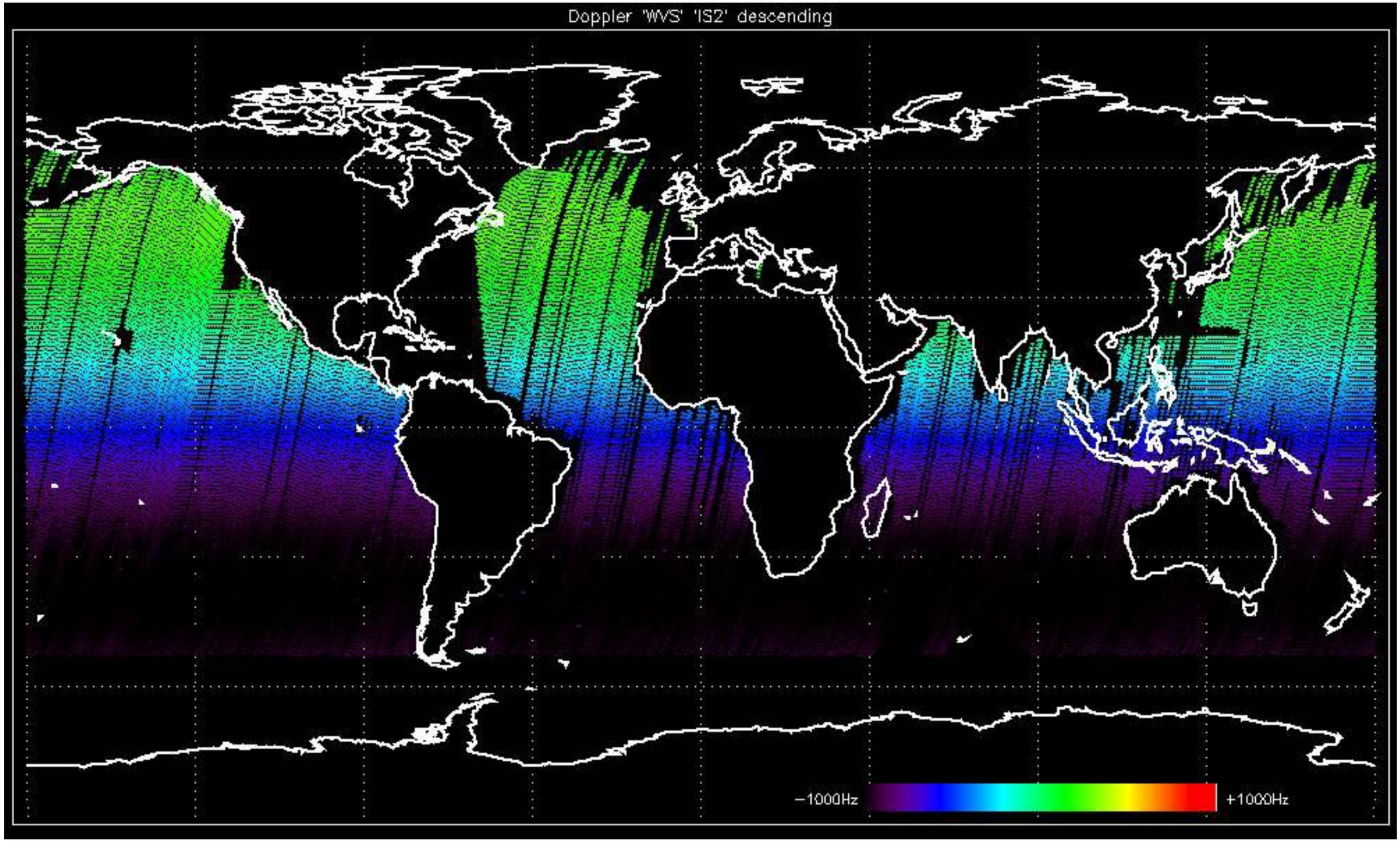
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

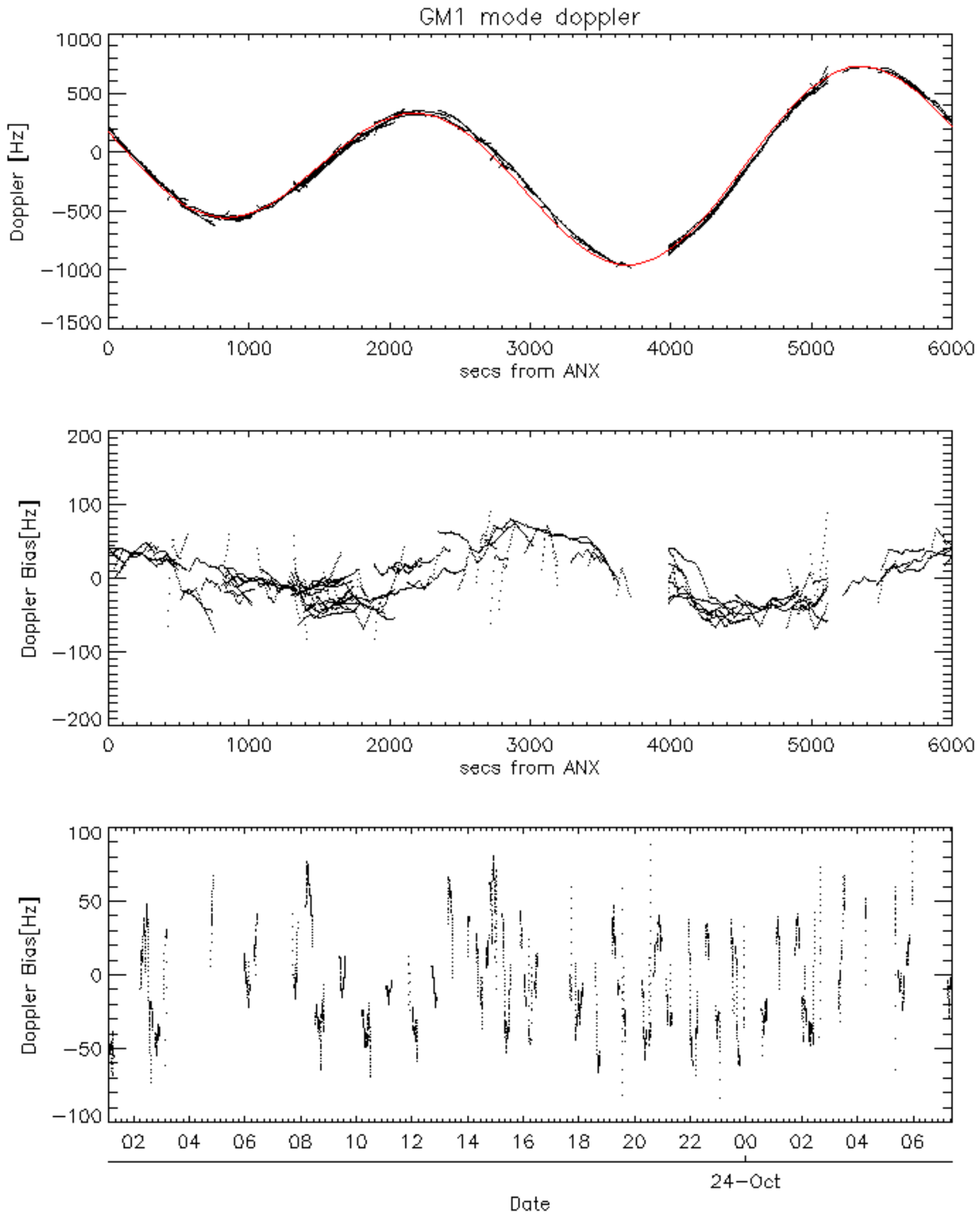
Preliminary report.The data is not yet controled

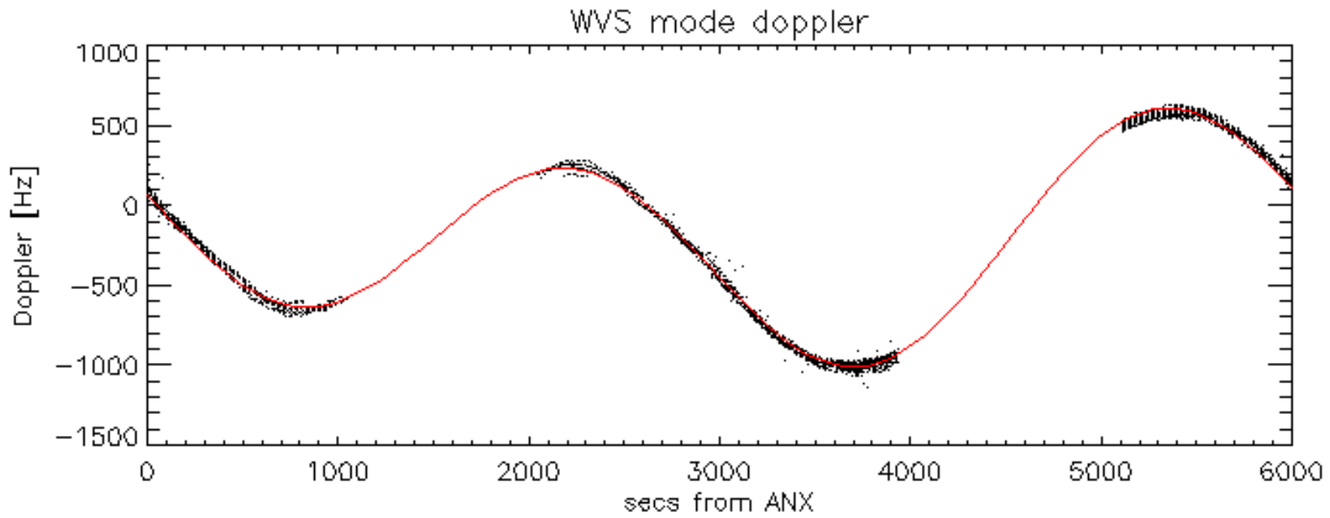

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

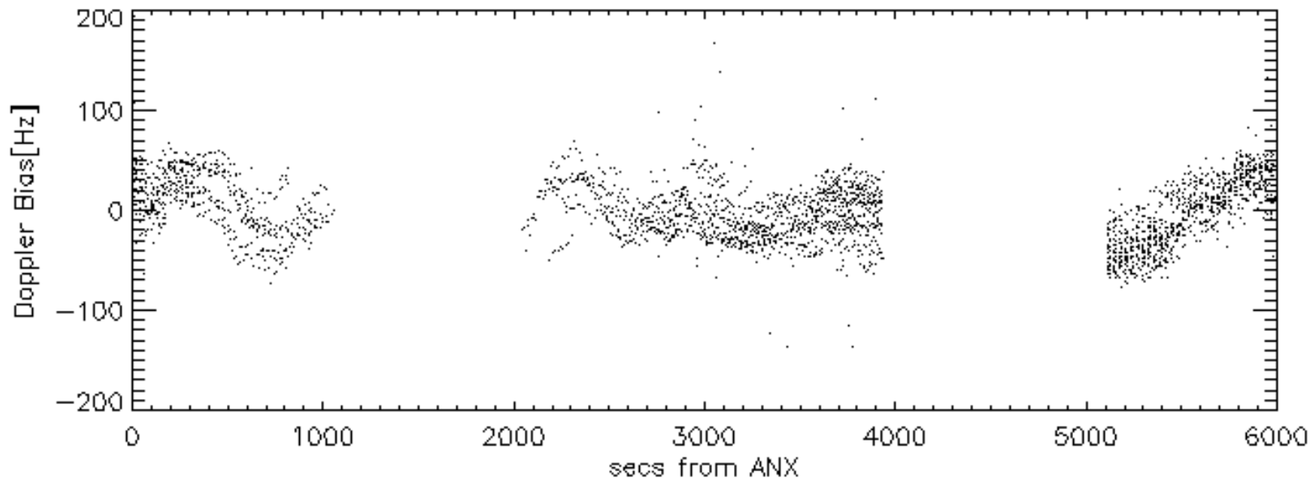

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

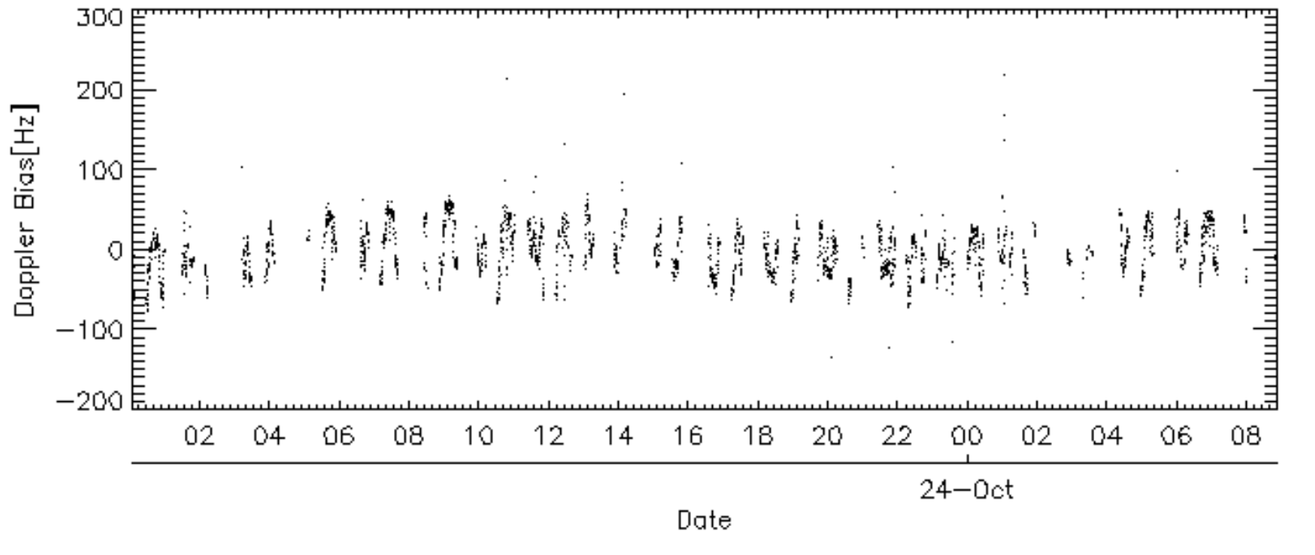

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

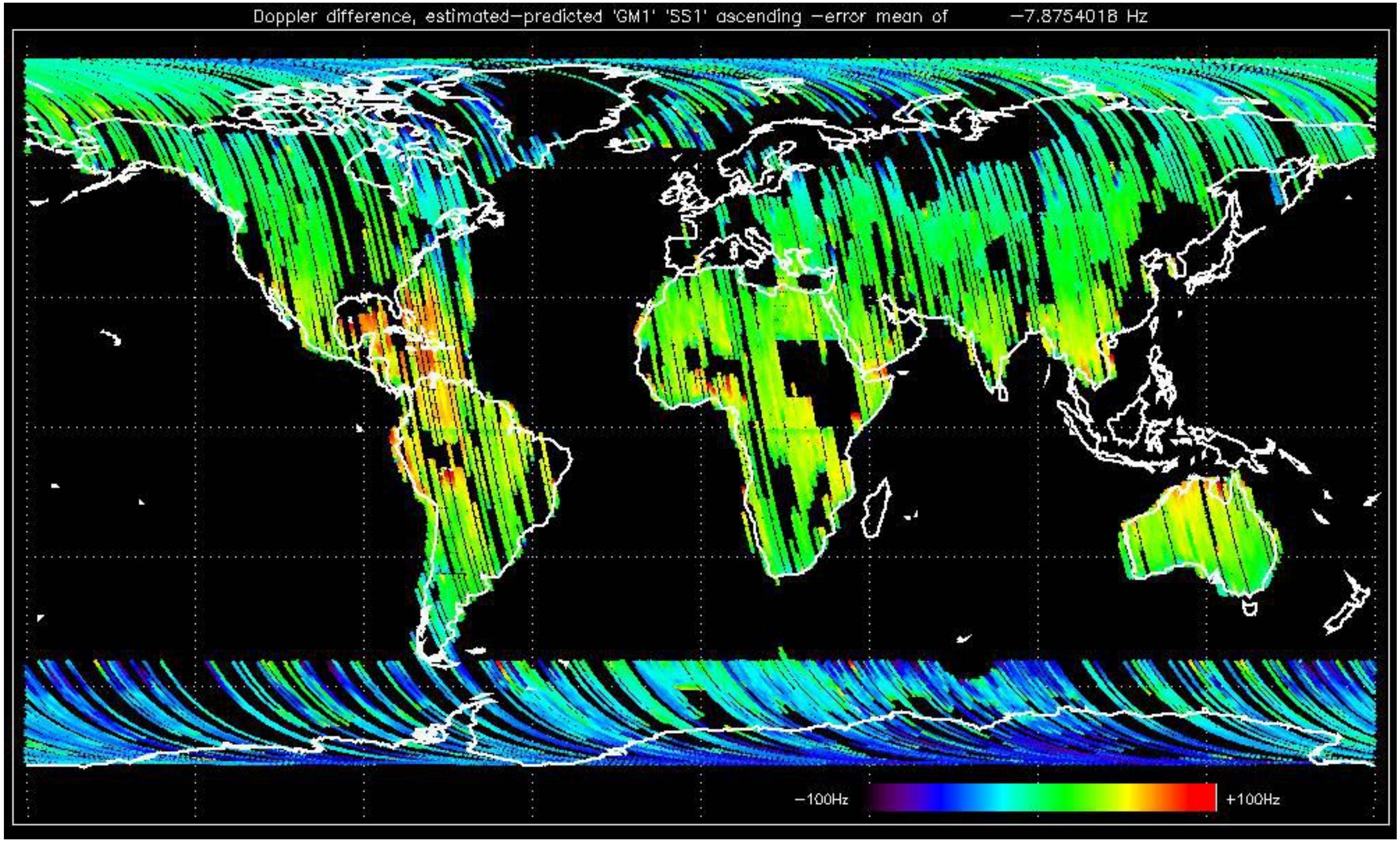

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

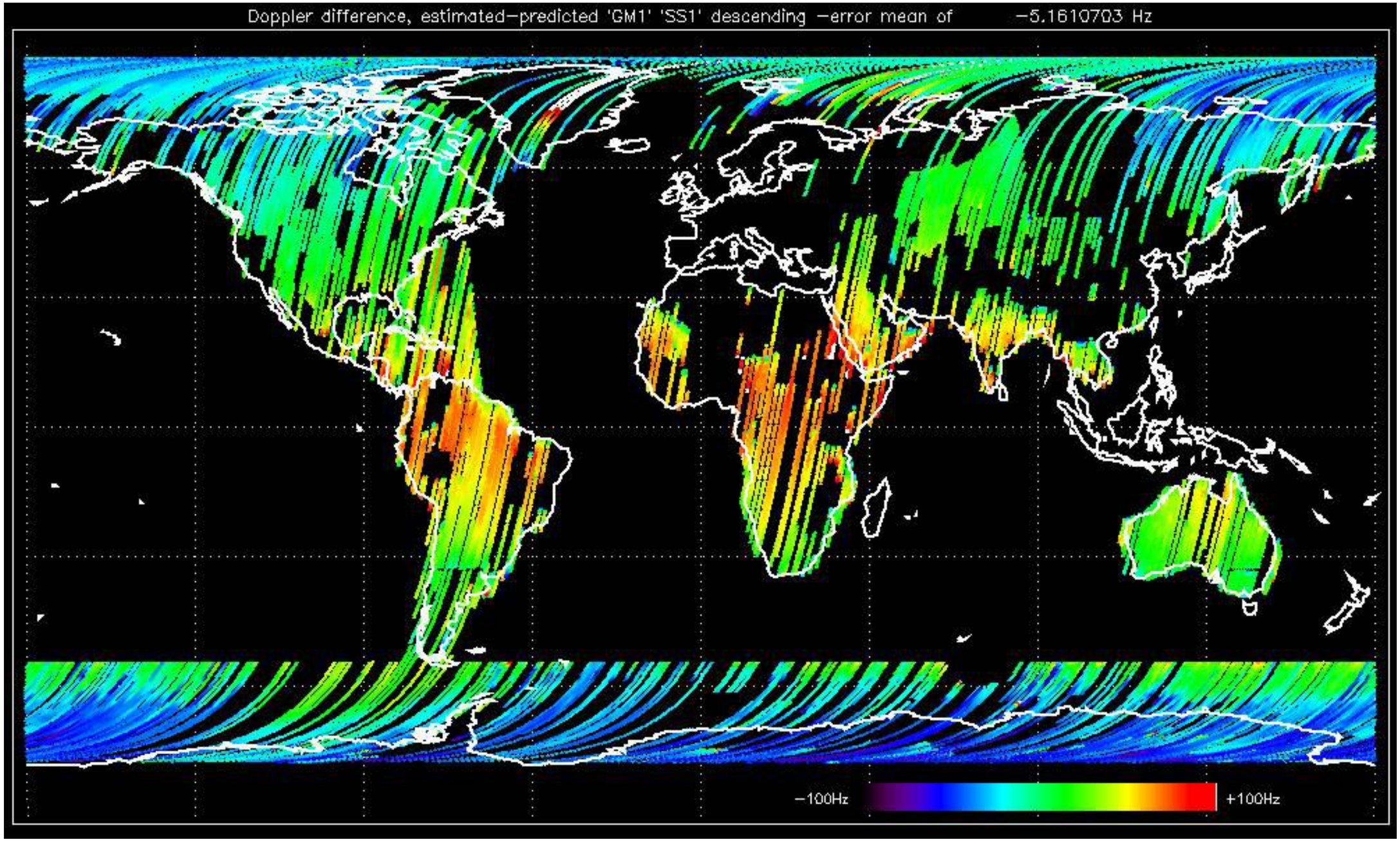

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
24−Oct
Date

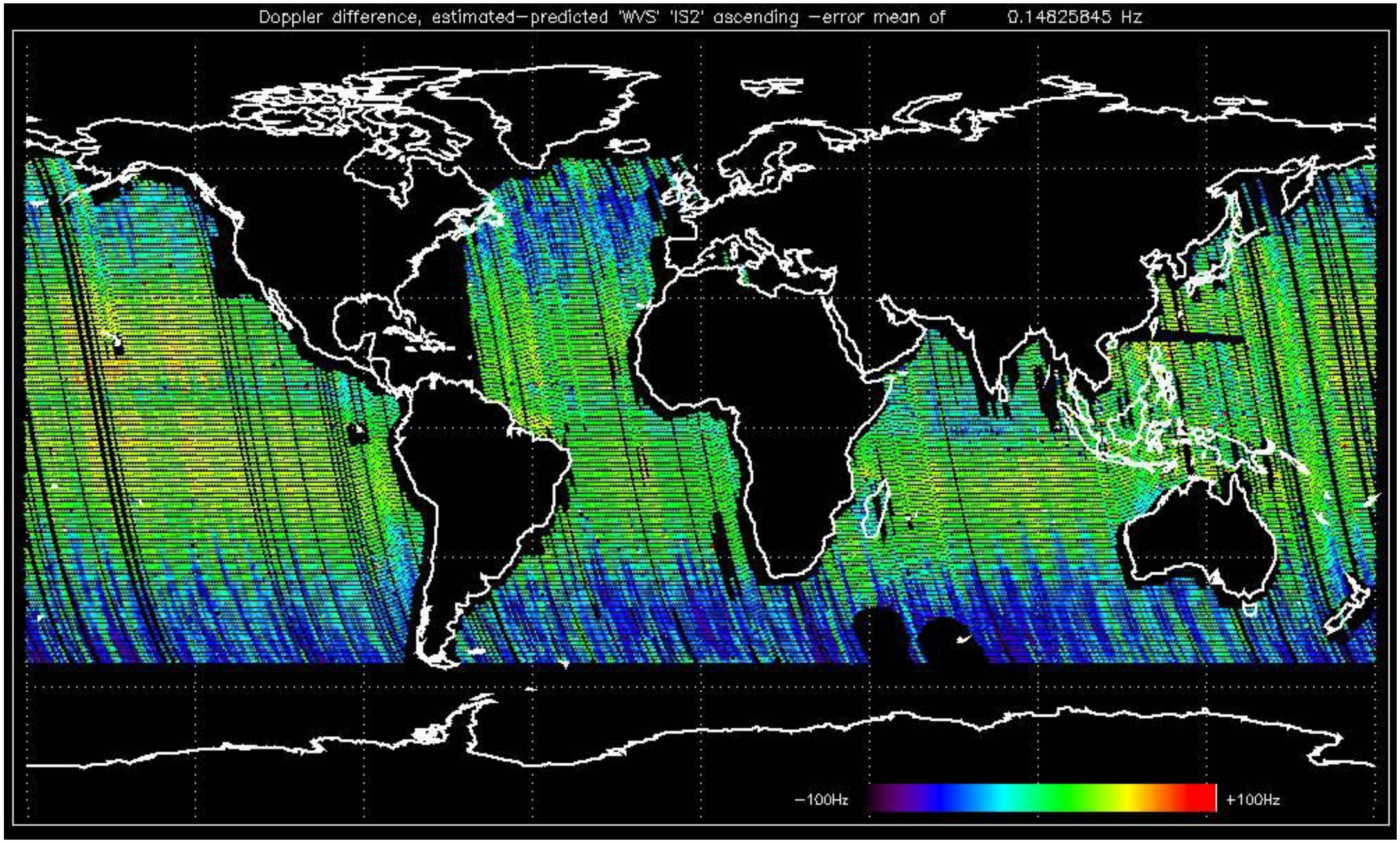

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

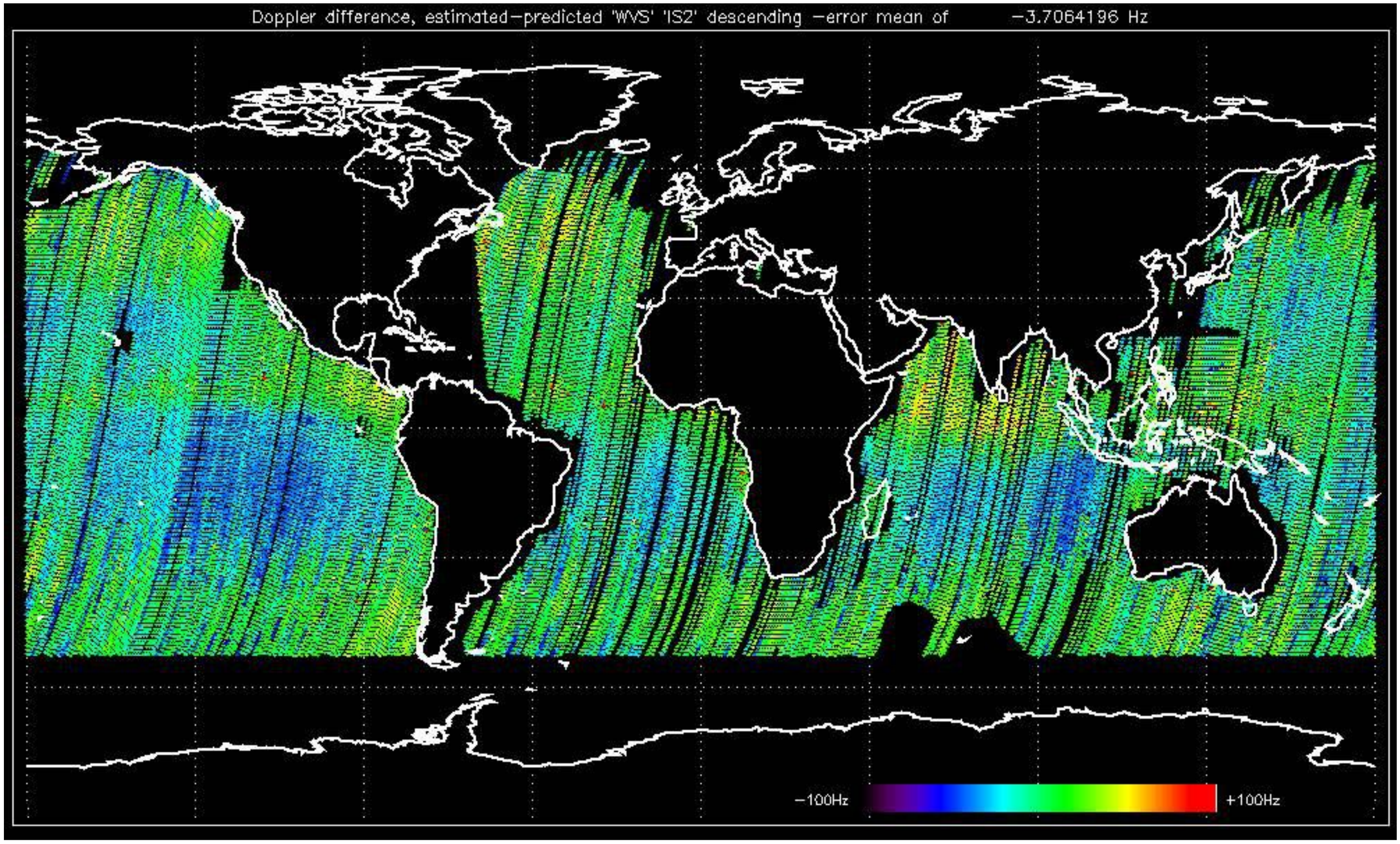

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
24−Oct
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −7.8754018 Hz
−100Hz
+100Hz

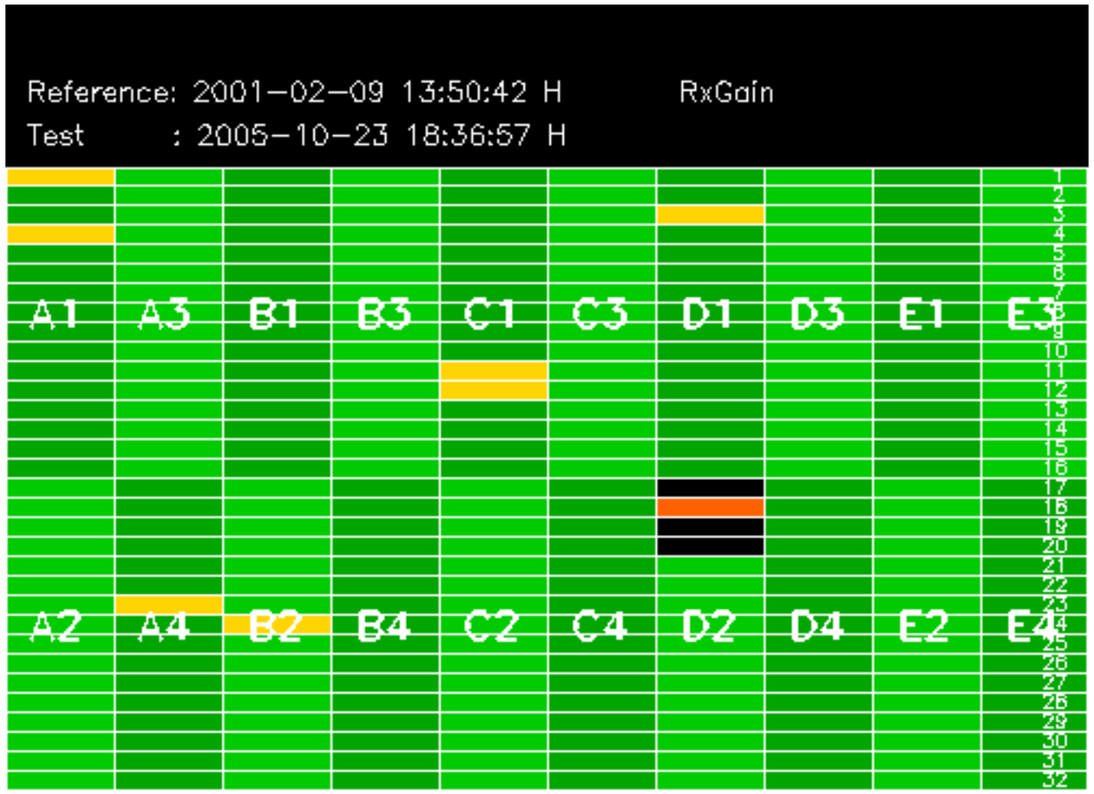

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −5.1610703 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of 0.14825845 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −3.7064196 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-10-23 18:36:57 H
RxGain
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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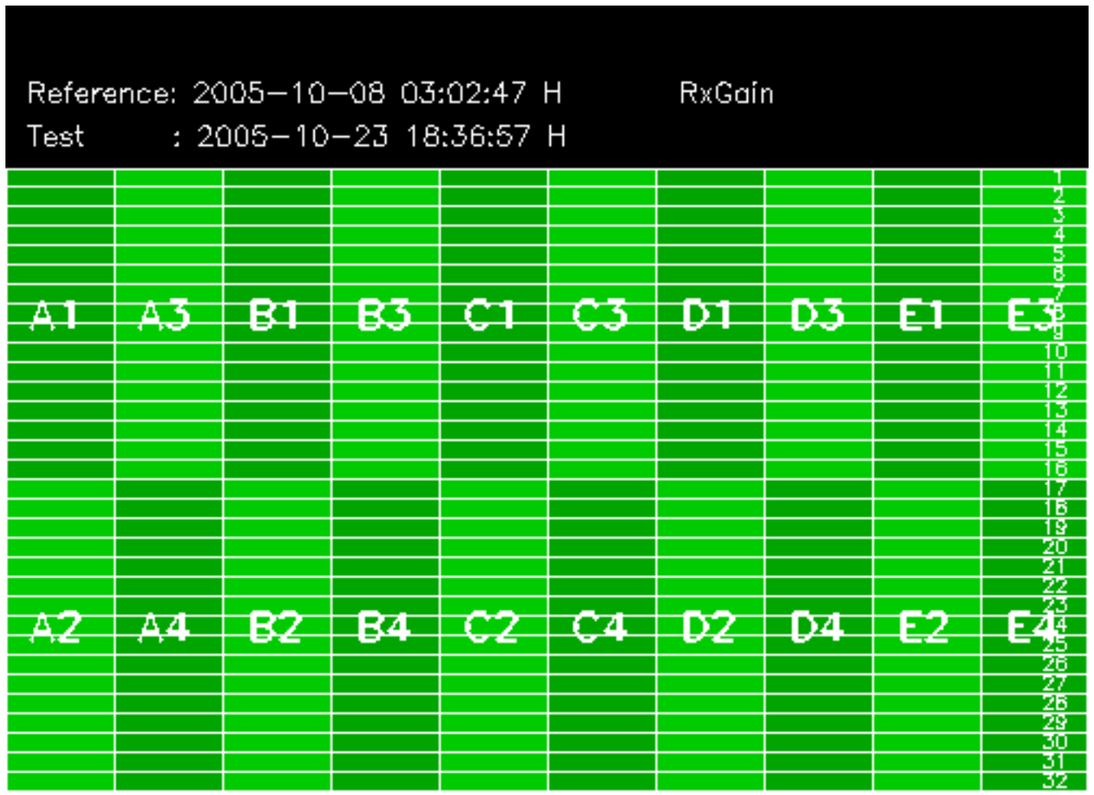
Reference: 2005-10-08 03:02:47 H
RxGain
Test : 2005-10-23 18:36:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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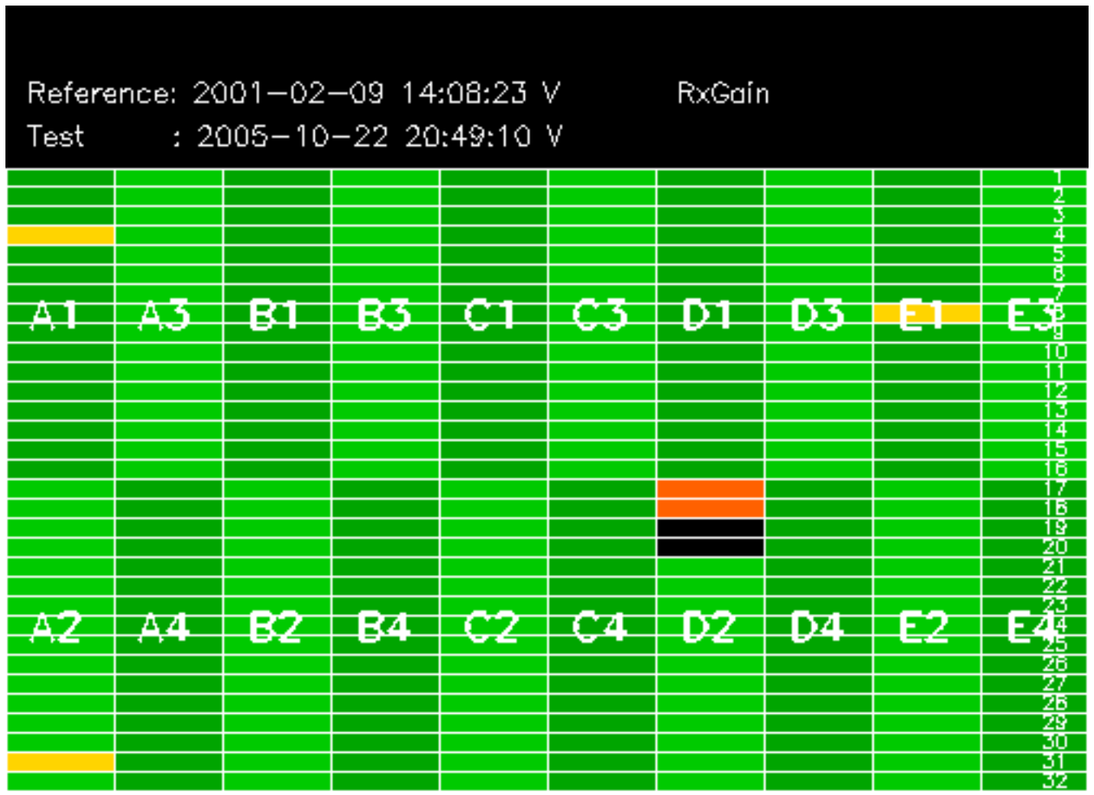
Reference: 2001-02-09 14:08:23 V
Test : 2005-10-22 20:49:10 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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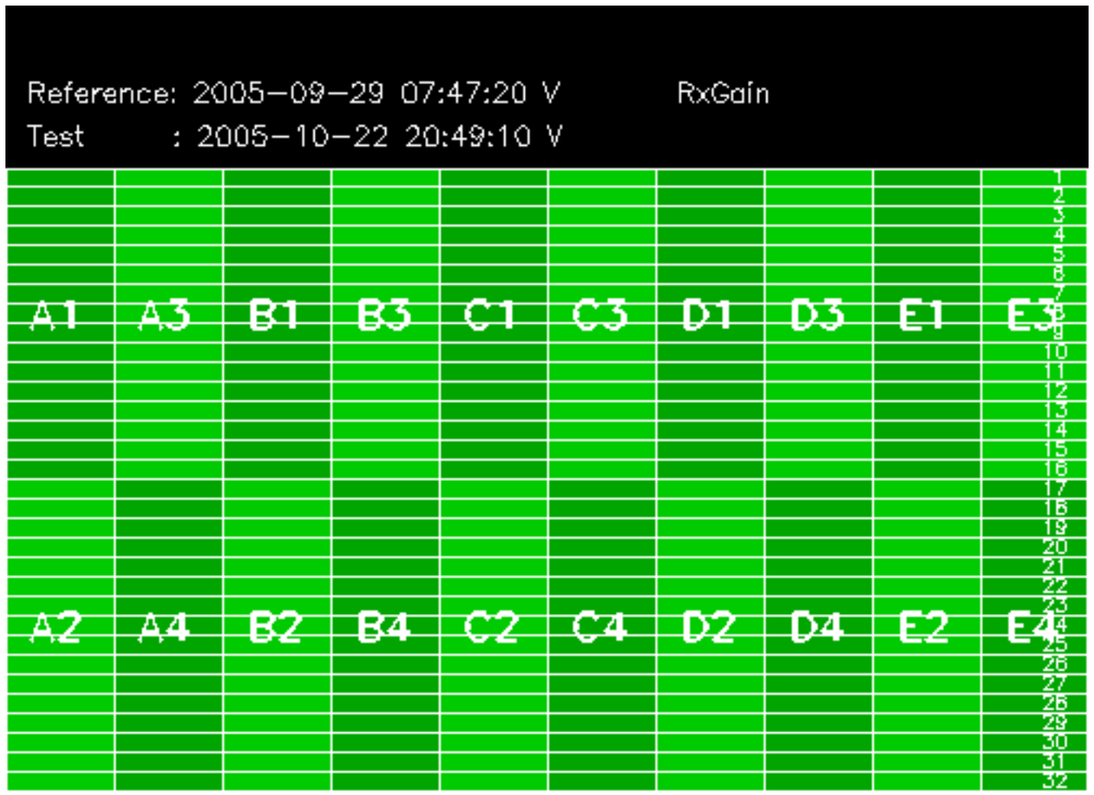
Reference: 2005-09-29 07:47:20 V
Test : 2005-10-22 20:49:10 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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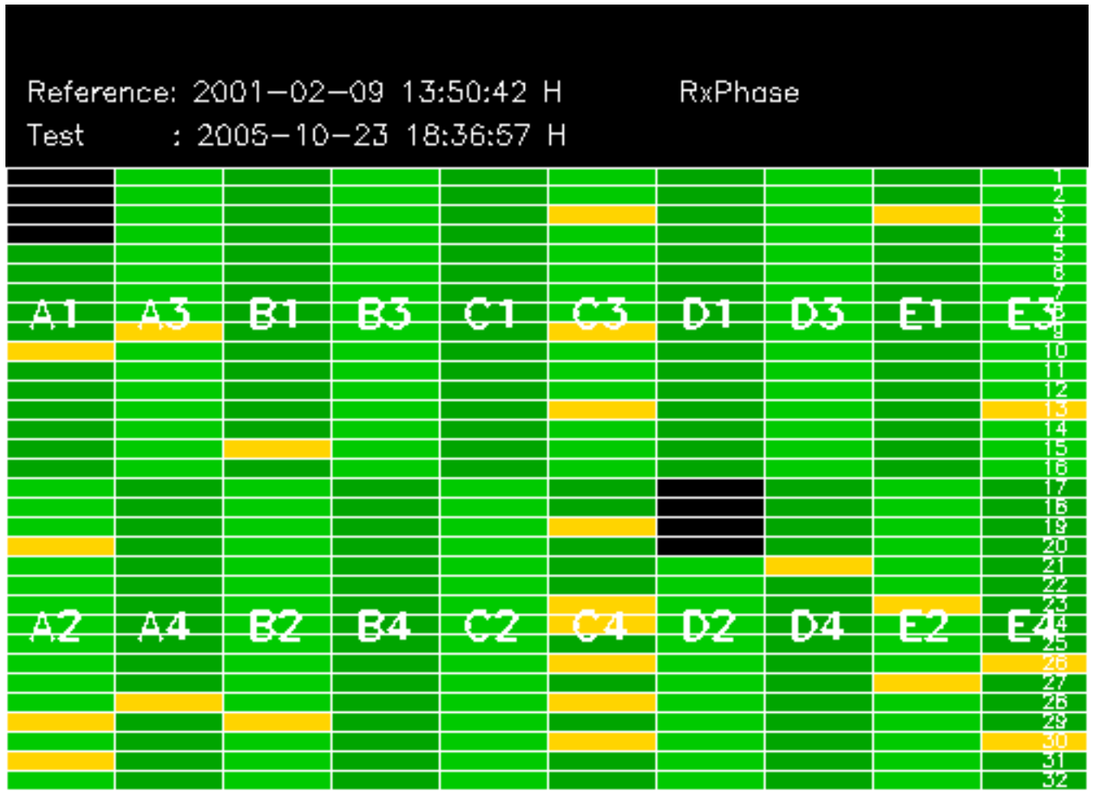
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-10-23 18:36:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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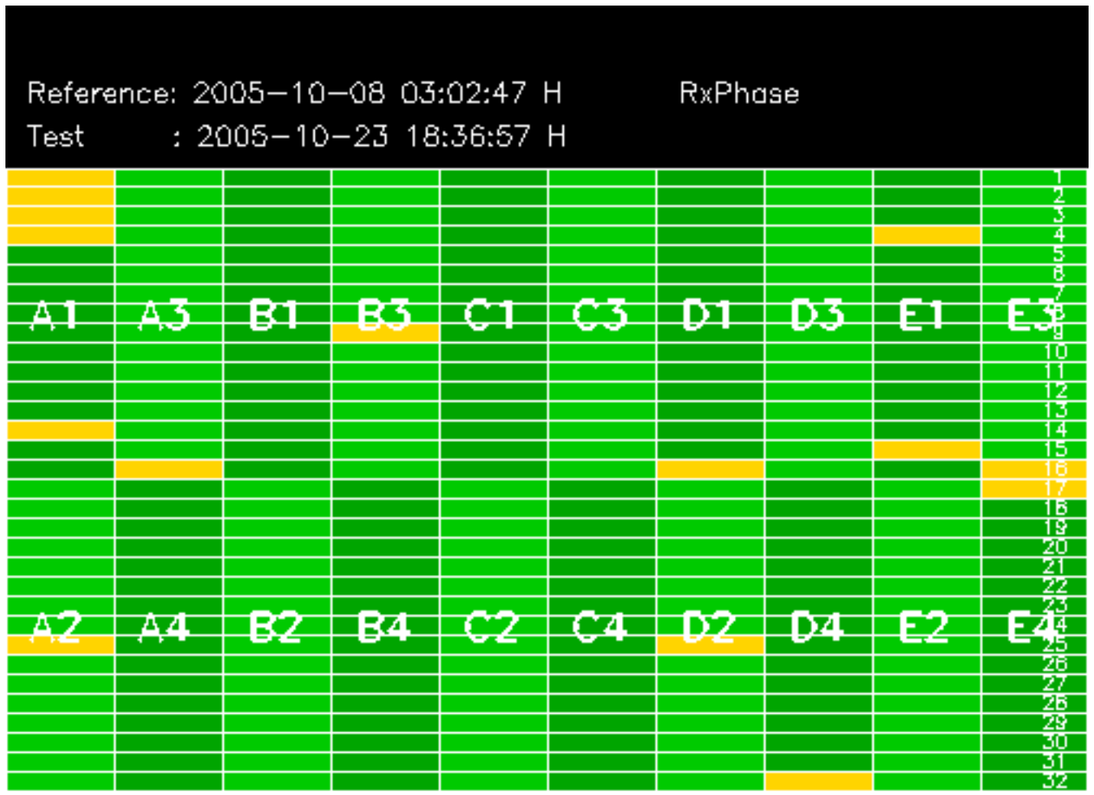
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2005-10-23 18:36:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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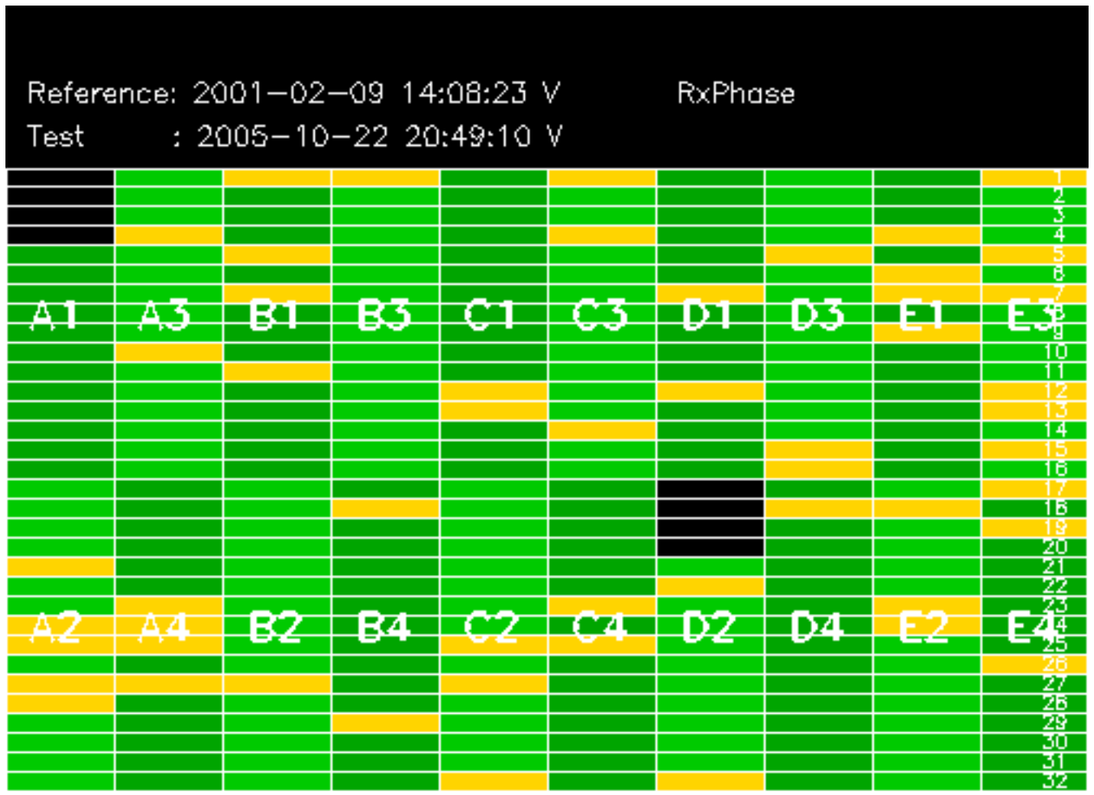
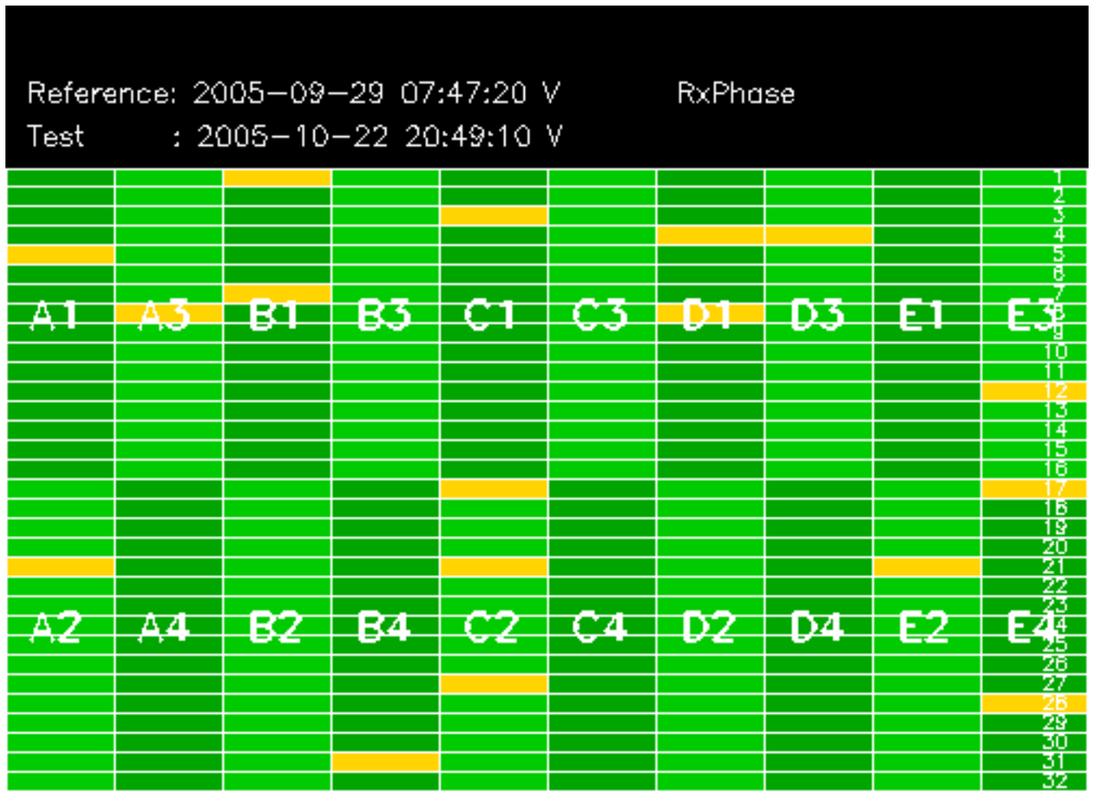

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-22 20:49:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2005-10-22 20:49:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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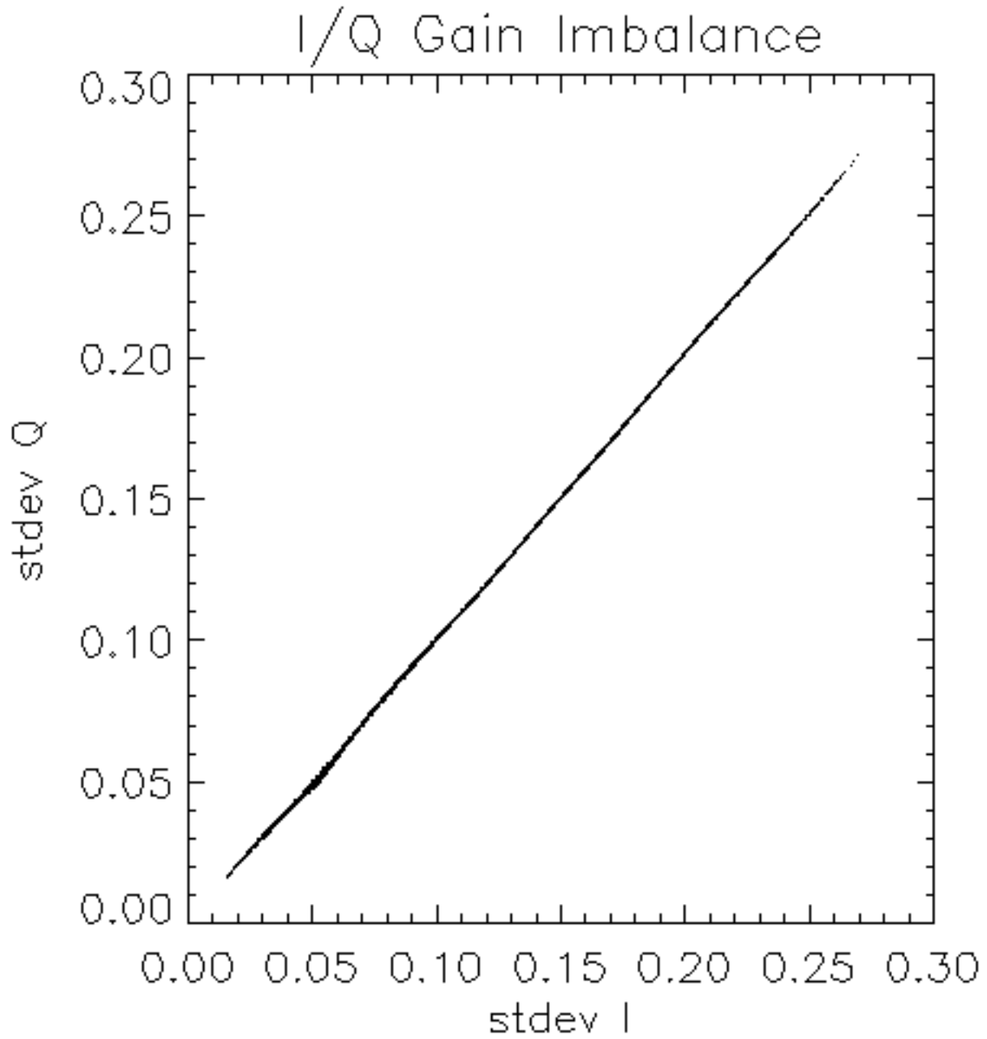
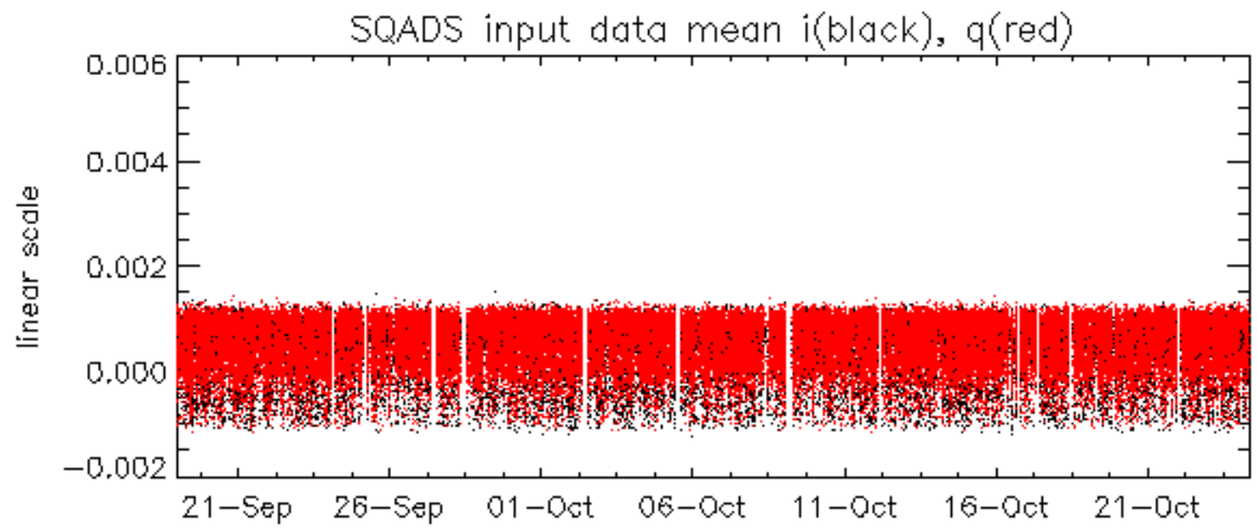
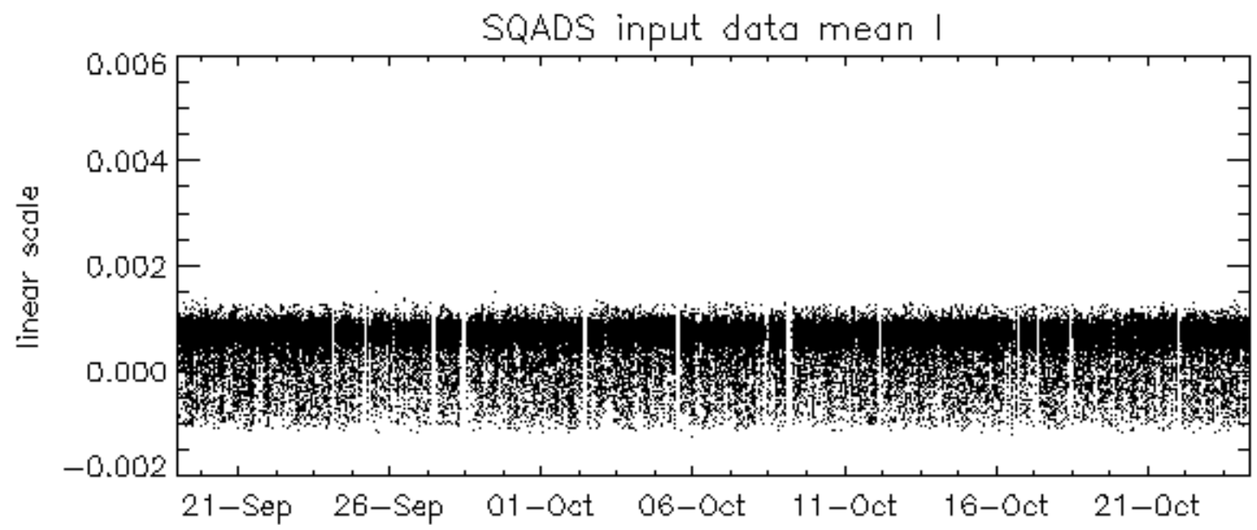
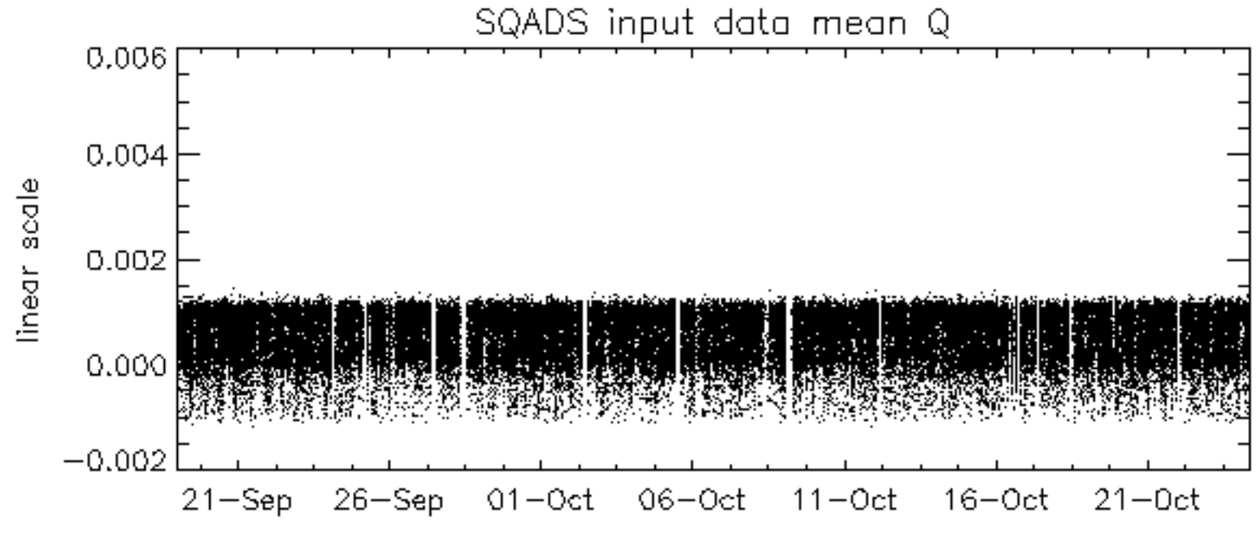
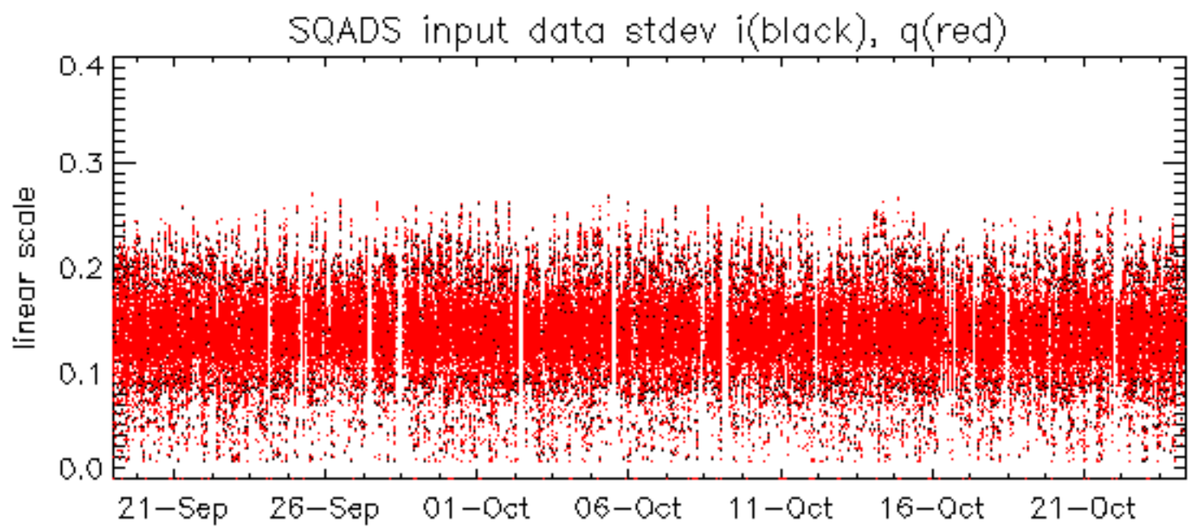
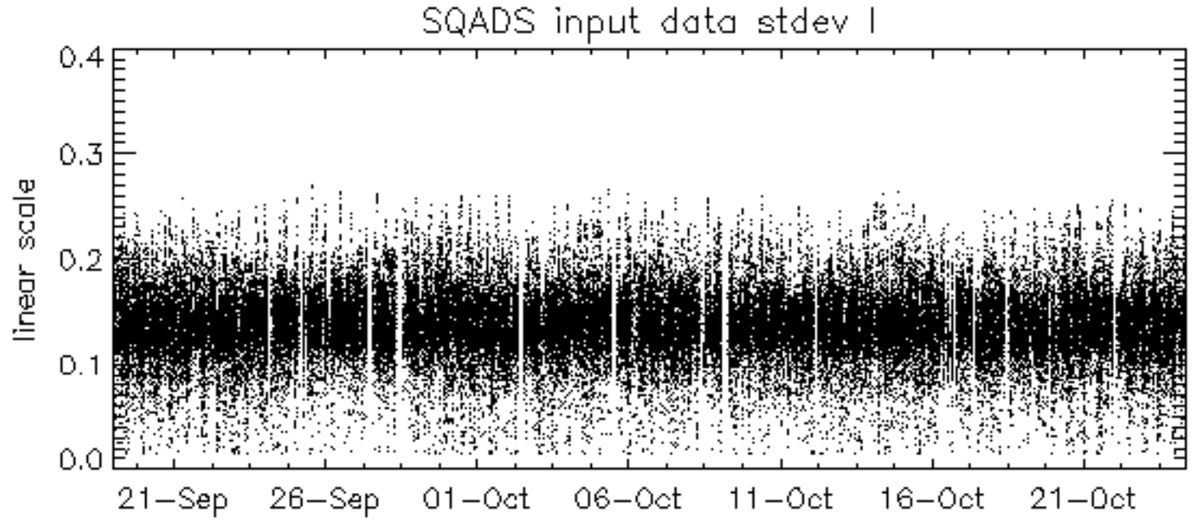

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

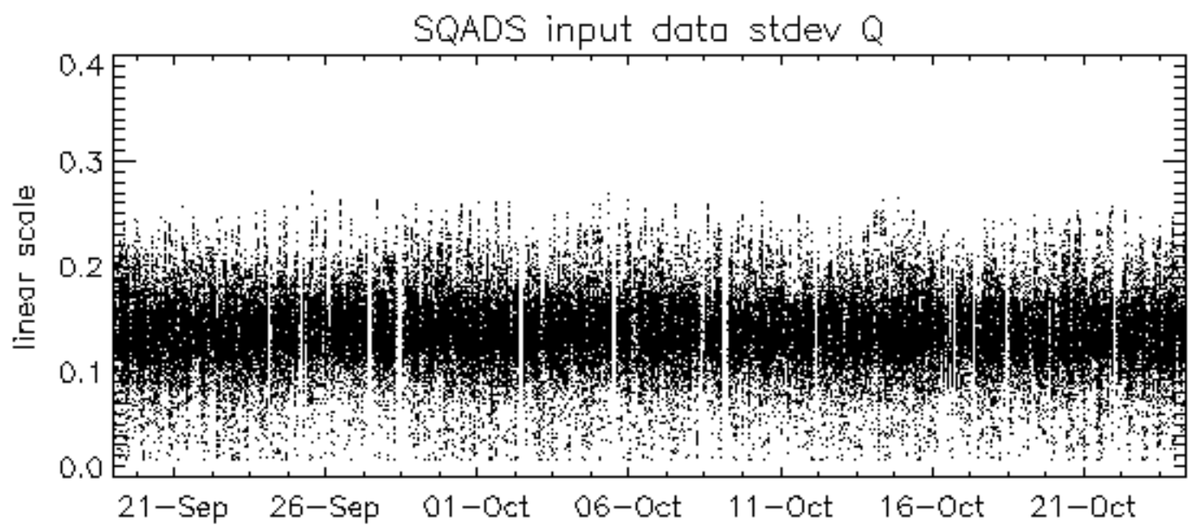

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct

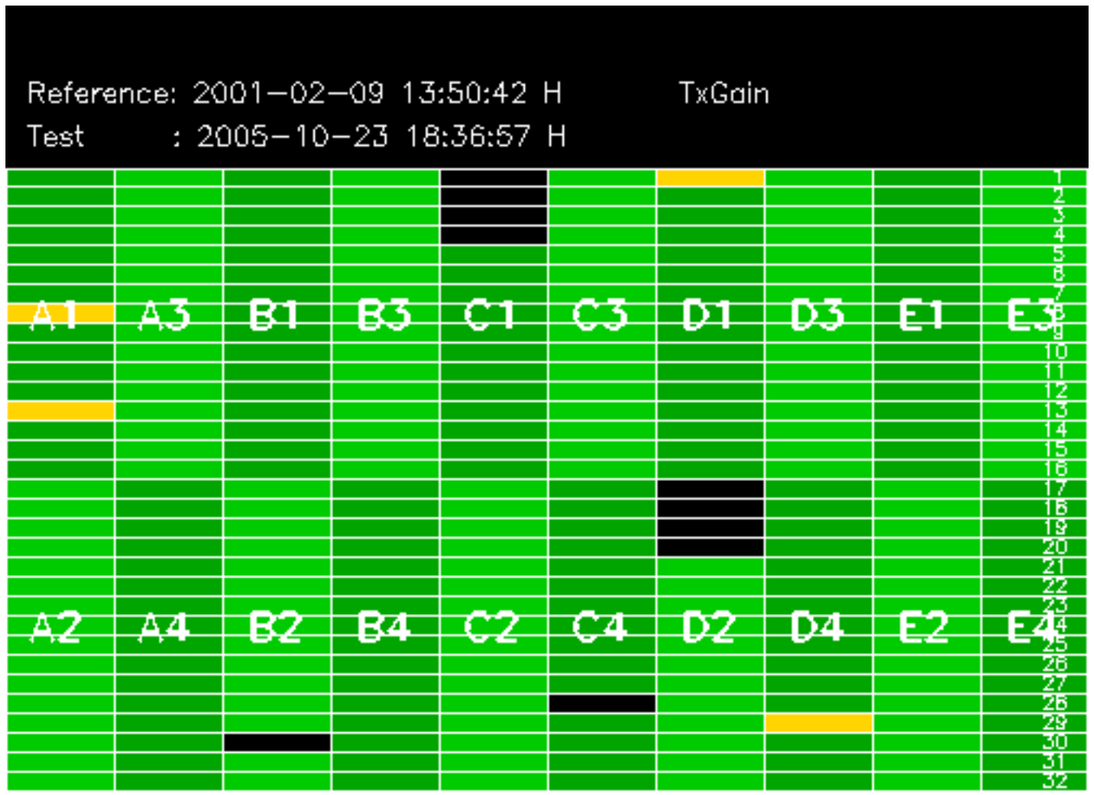

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct
16−Oct
21−Oct


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-10-23 18:36:57 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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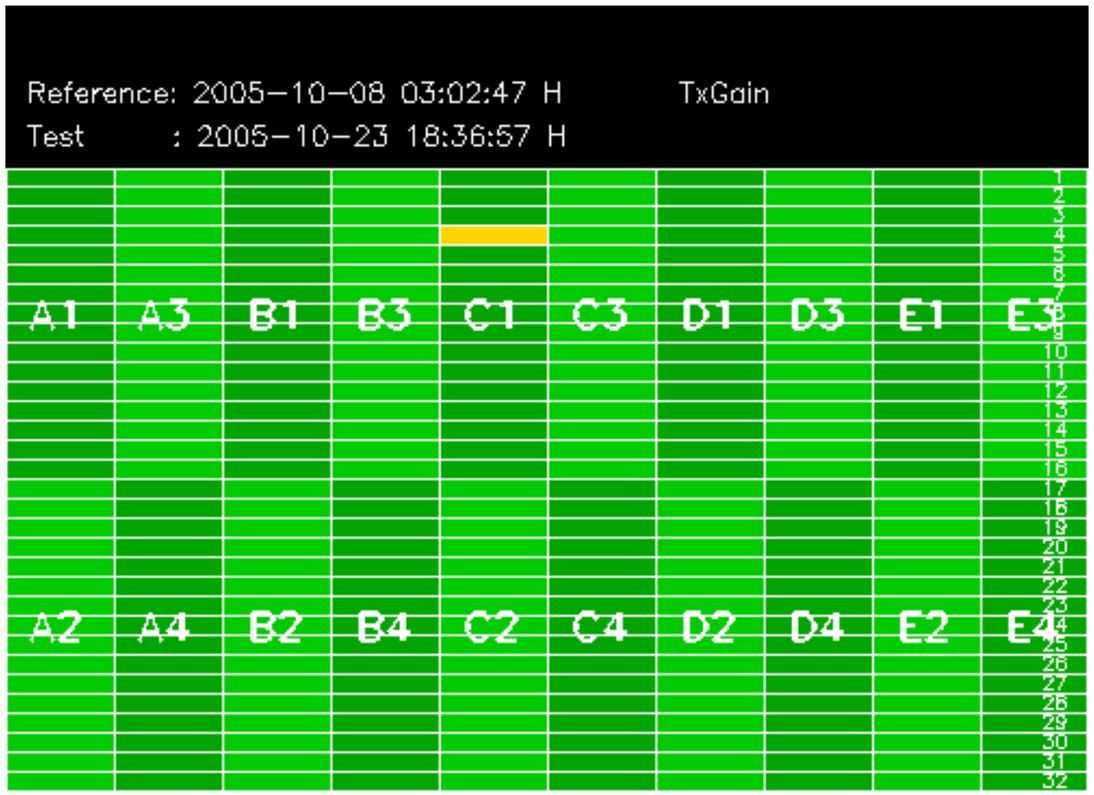
Reference: 2005-10-08 03:02:47 H
Test : 2005-10-23 18:36:57 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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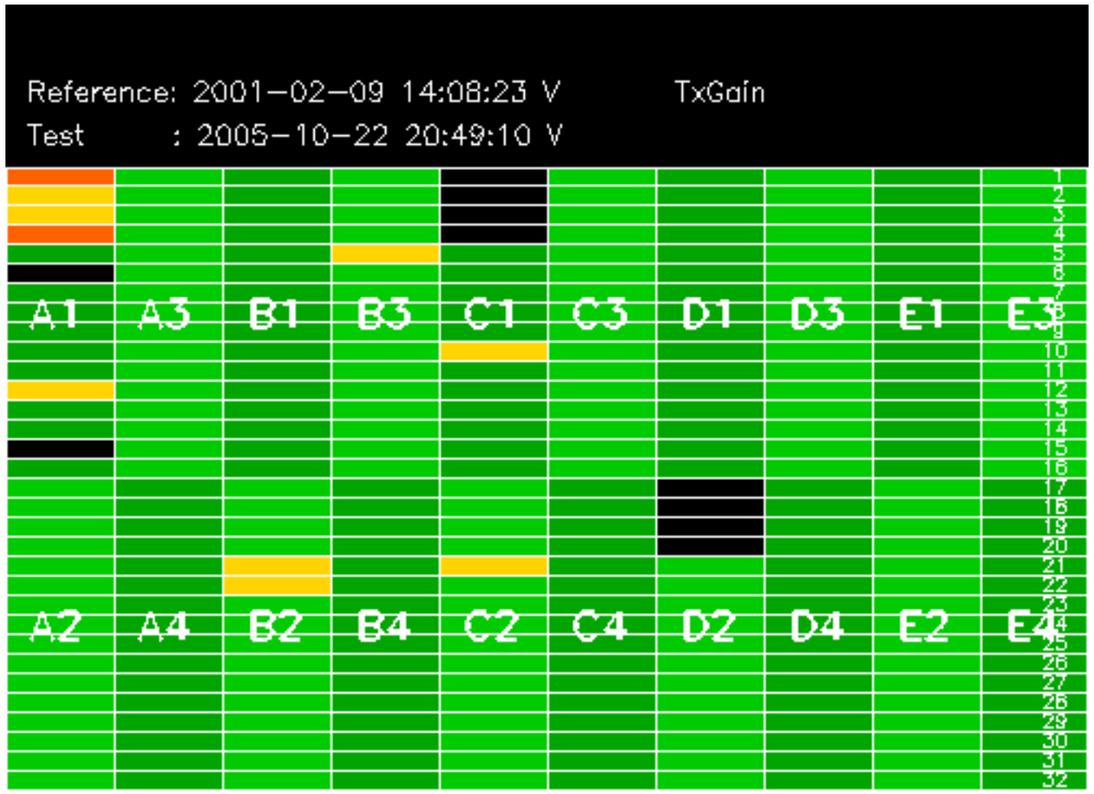
Reference: 2001-02-09 14:08:23 V
Test : 2005-10-22 20:49:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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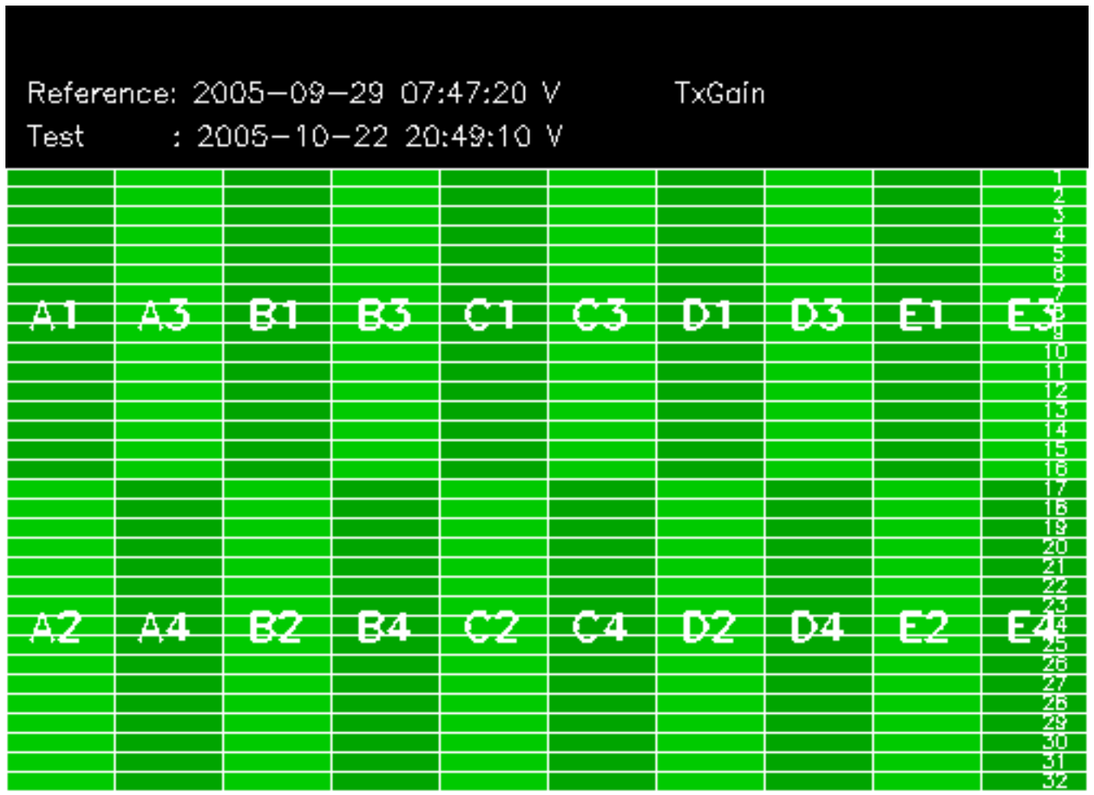
Reference: 2005-09-29 07:47:20 V
Test : 2005-10-22 20:49:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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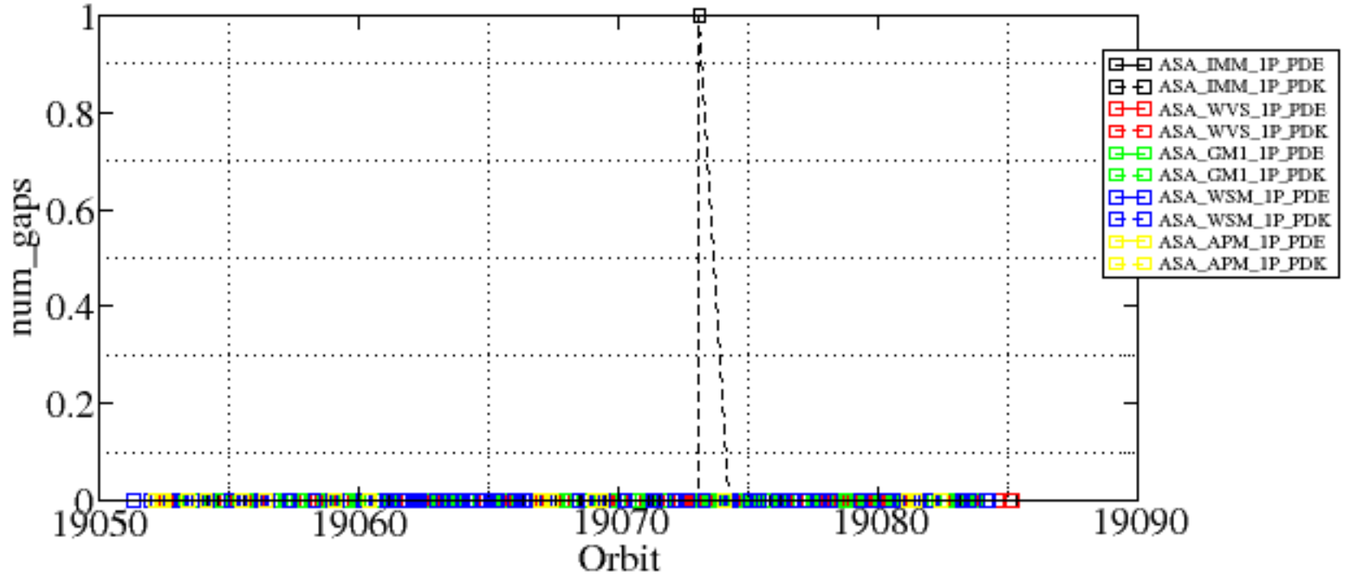
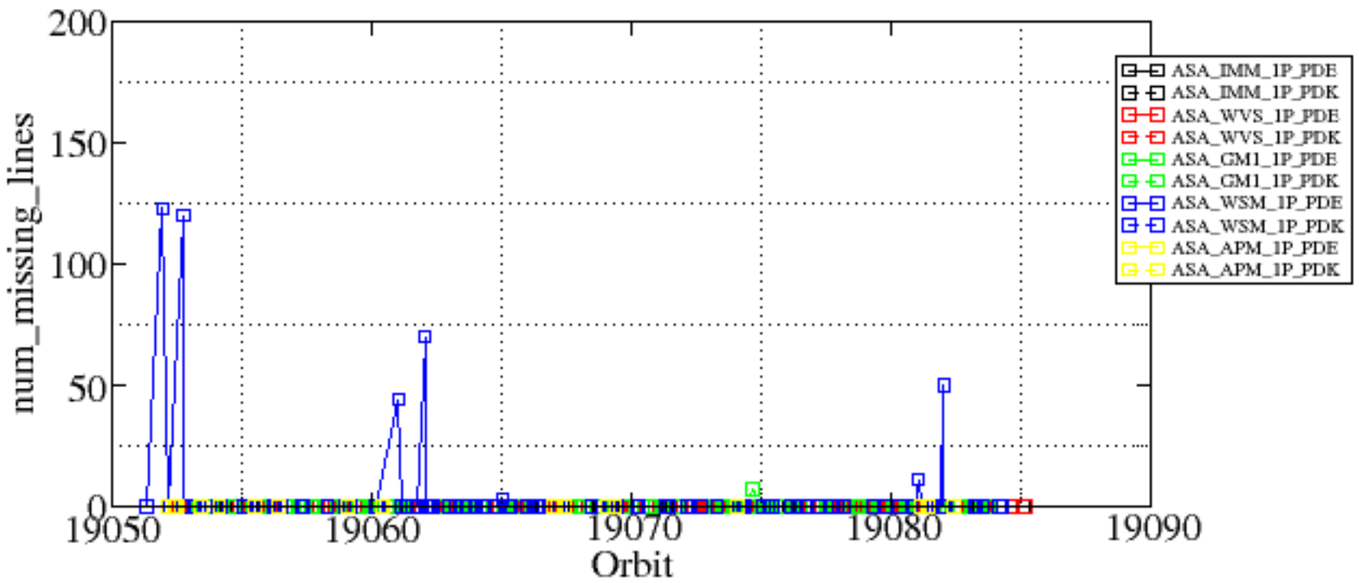
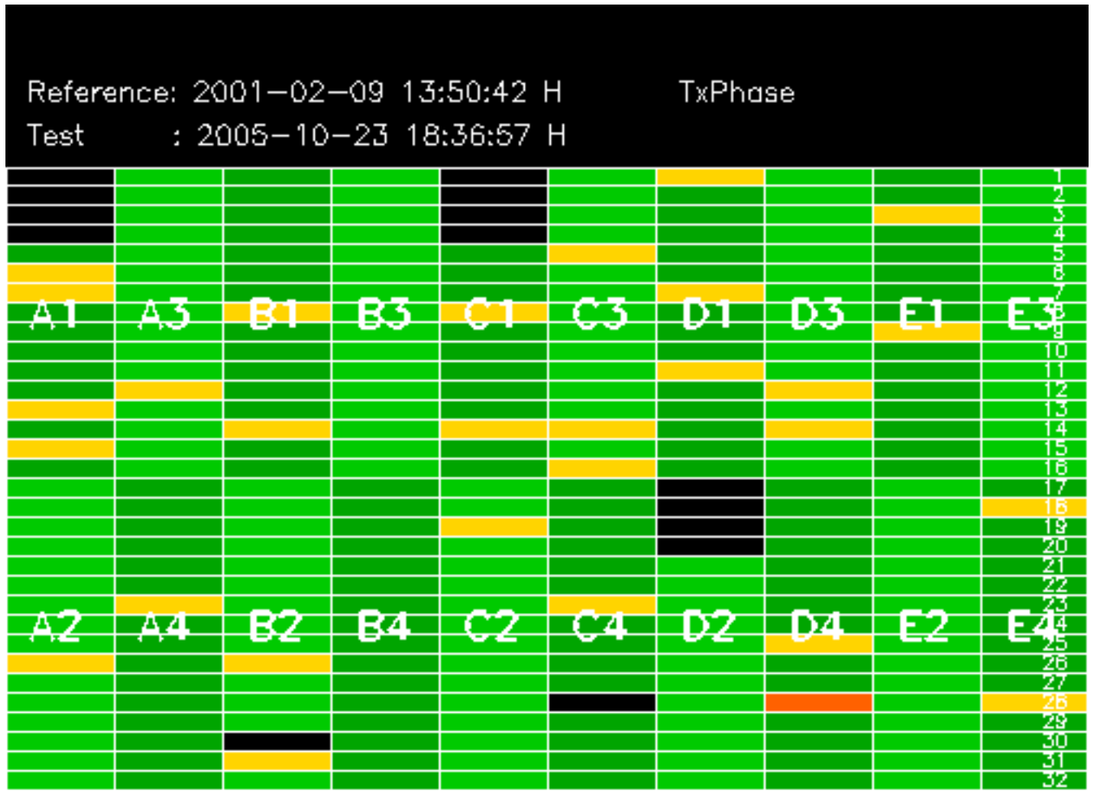
Summary of analysis for the last 3 days 2005102[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDK20051023_123959_000001452041_00482_19073_6051.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20051023_151422_000011362041_00483_19074_9321.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051022_010806_000002192041_00460_19051_5377.N1 </td> <td>0 </td> <td>123 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051022_022829_000000422041_00461_19052_5382.N1 </td> <td>0 </td> <td>120 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051022_162409_000000922041_00470_19061_5477.N1 </td> <td>0 </td> <td>44 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051022_180625_000001292041_00471_19062_5521.N1 </td> <td>0 </td> <td>70 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051022_230541_000000672041_00474_19065_5561.N1 </td> <td>0 </td> <td>3 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051024_015714_000001592041_00490_19081_5772.N1 </td> <td>0 </td> <td>11 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051024_033513_000000672041_00491_19082_5794.N1 </td> <td>0 </td> <td>50 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
19050
19060
19070
19080
19090
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
200
150
100
50
0
19050
19060
19070
19080
19090
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 : 2005-10-23 18:36:57 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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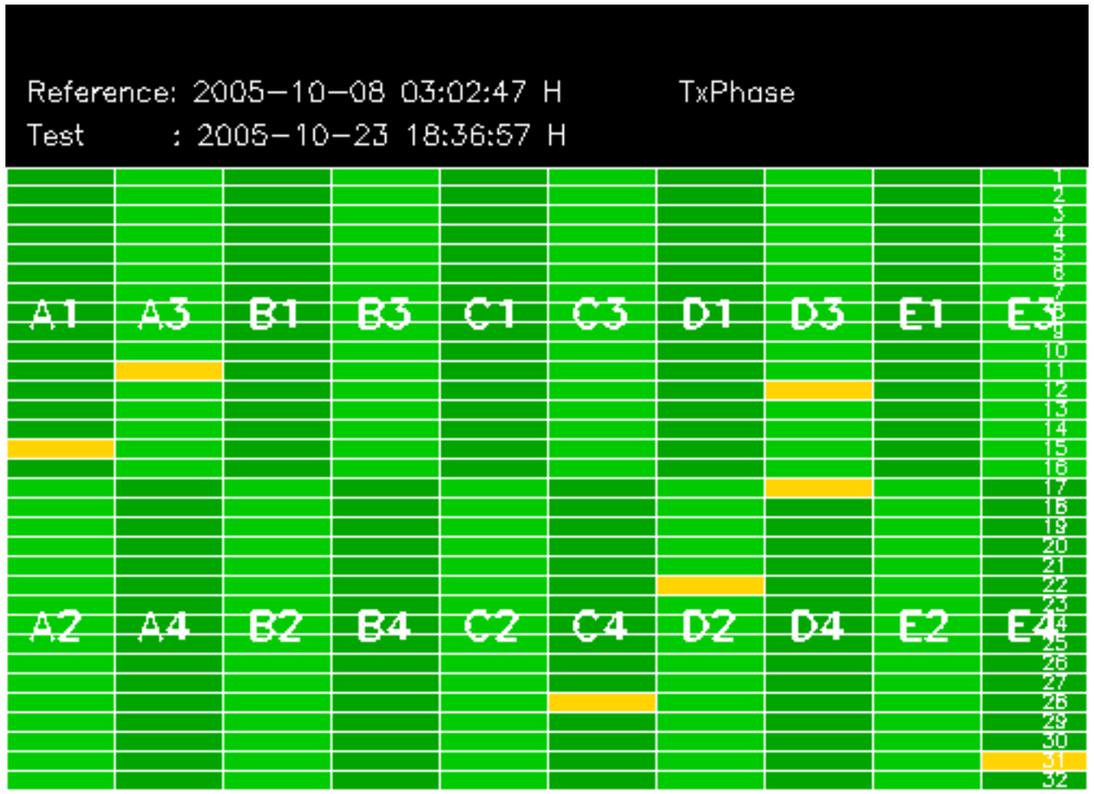
Reference: 2005-10-08 03:02:47 H
Test : 2005-10-23 18:36:57 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
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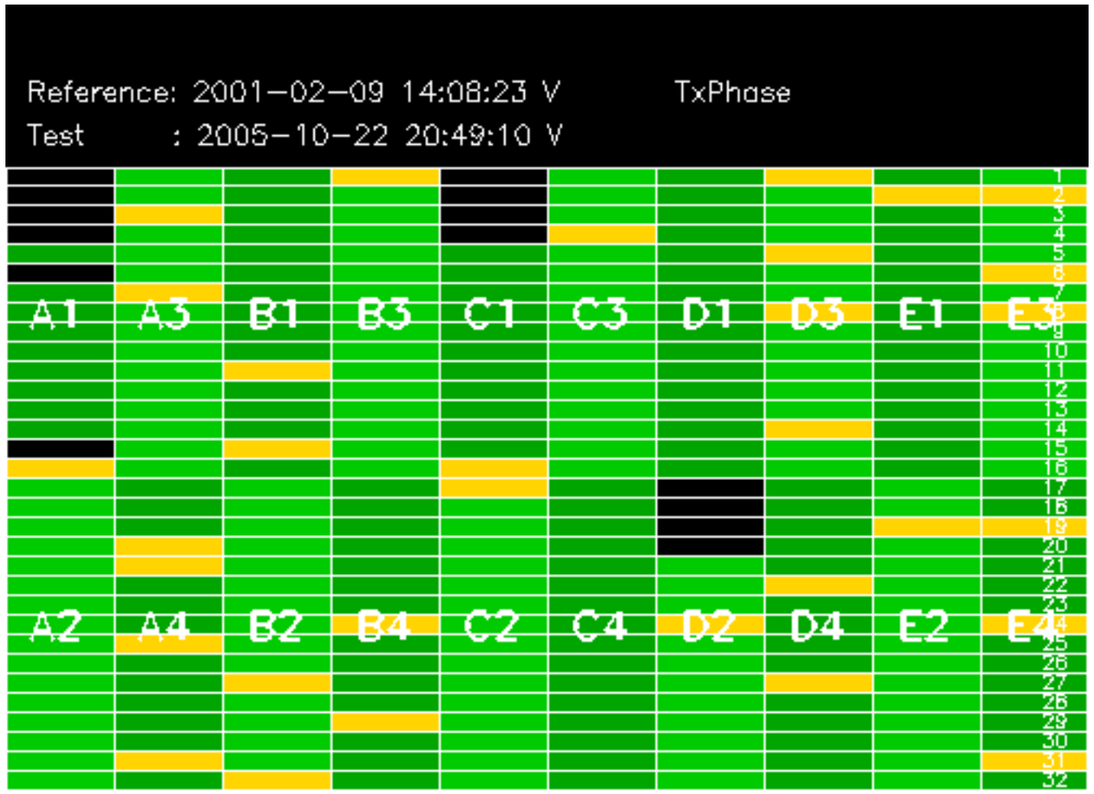
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-10-22 20:49:10 V
TxPhase
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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9
10
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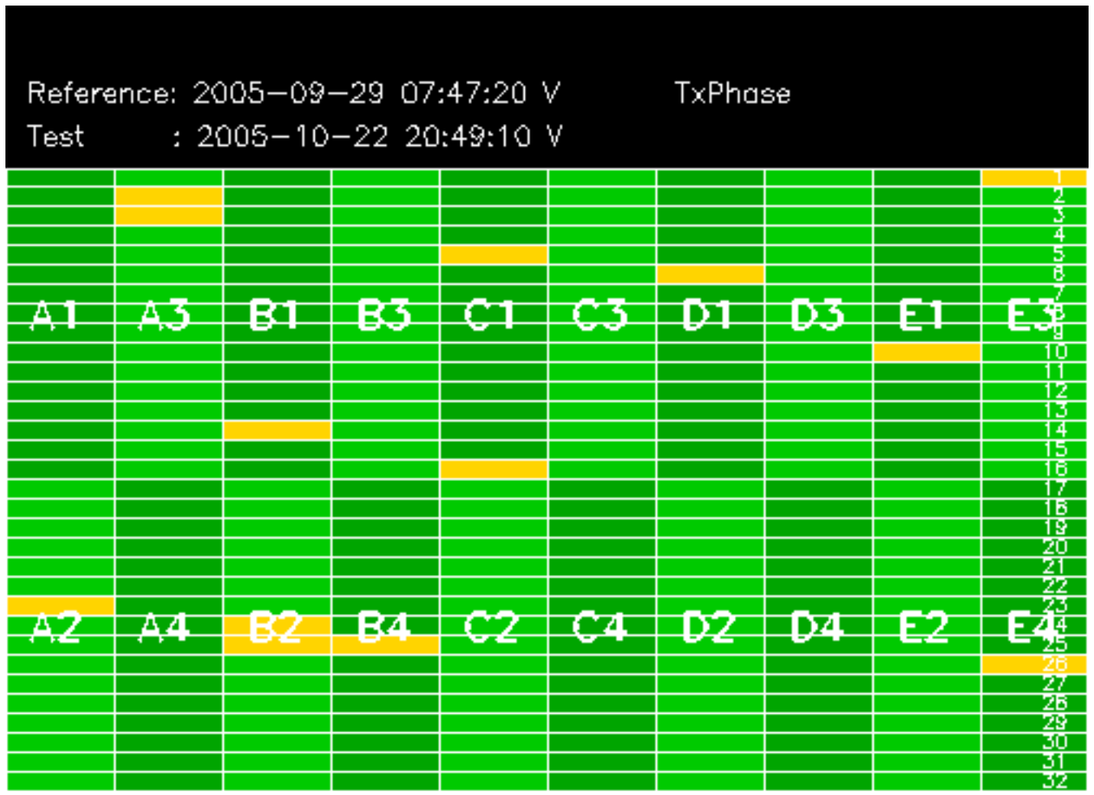
Reference: 2005-09-29 07:47:20 V
Test : 2005-10-22 20:49:10 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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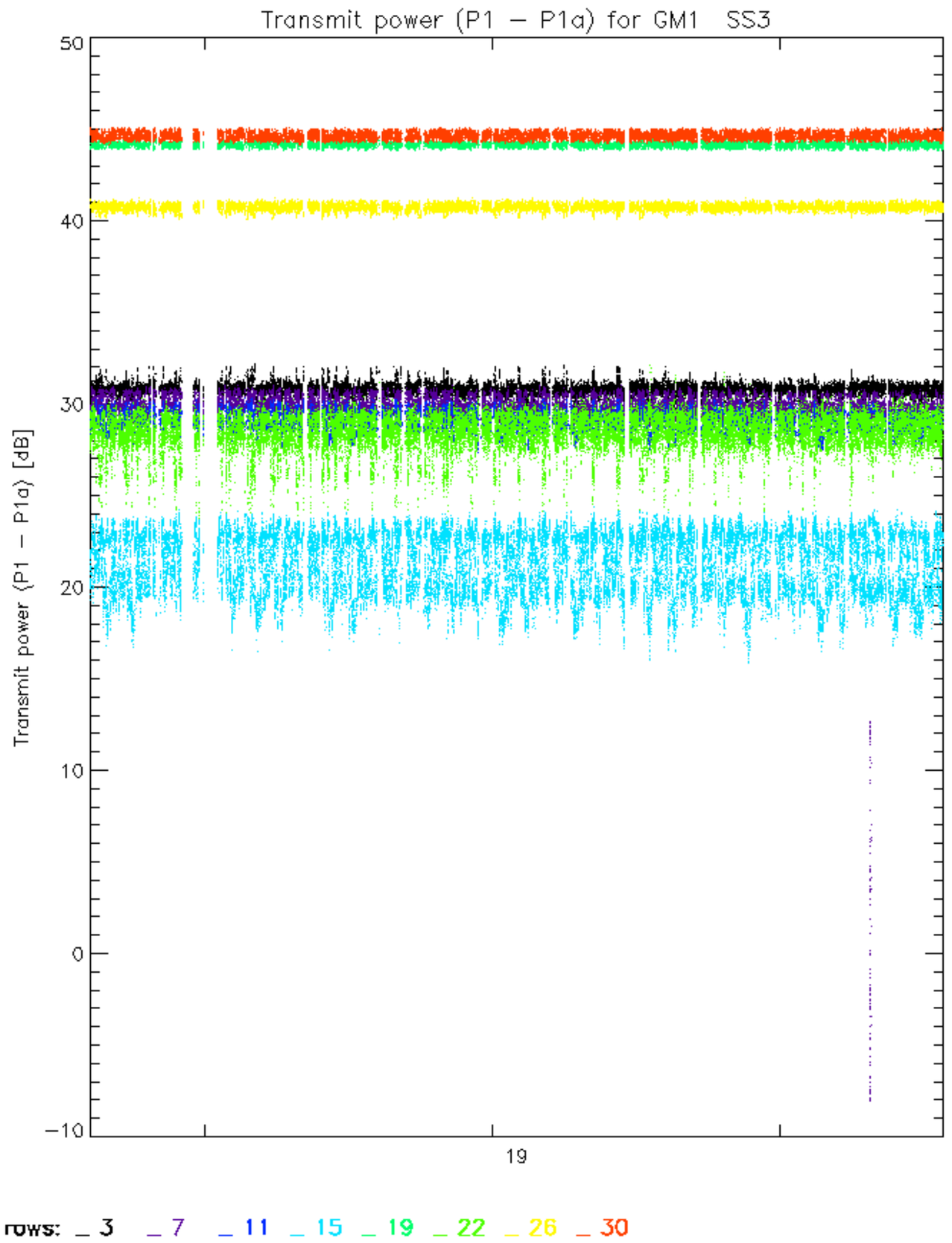
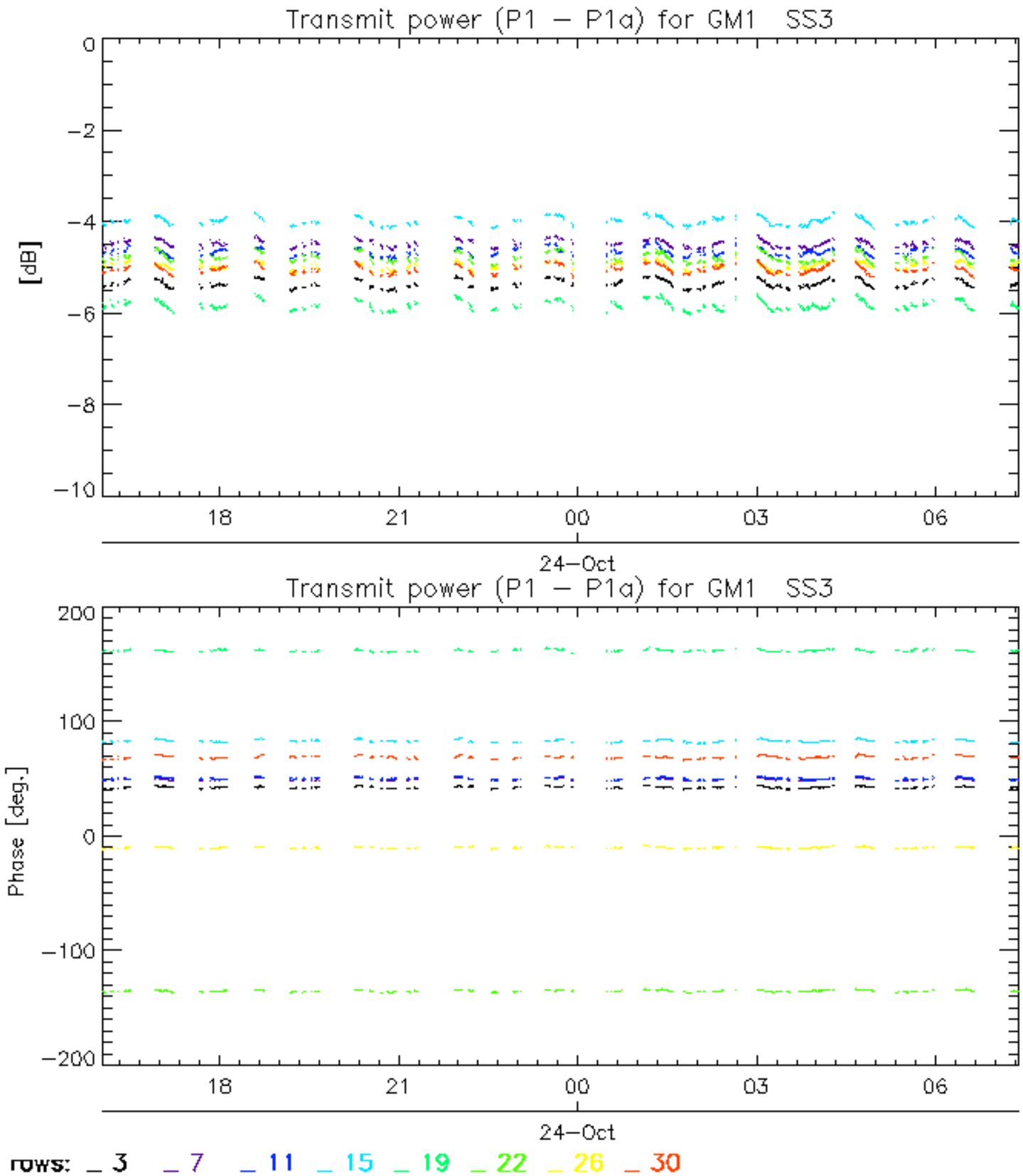
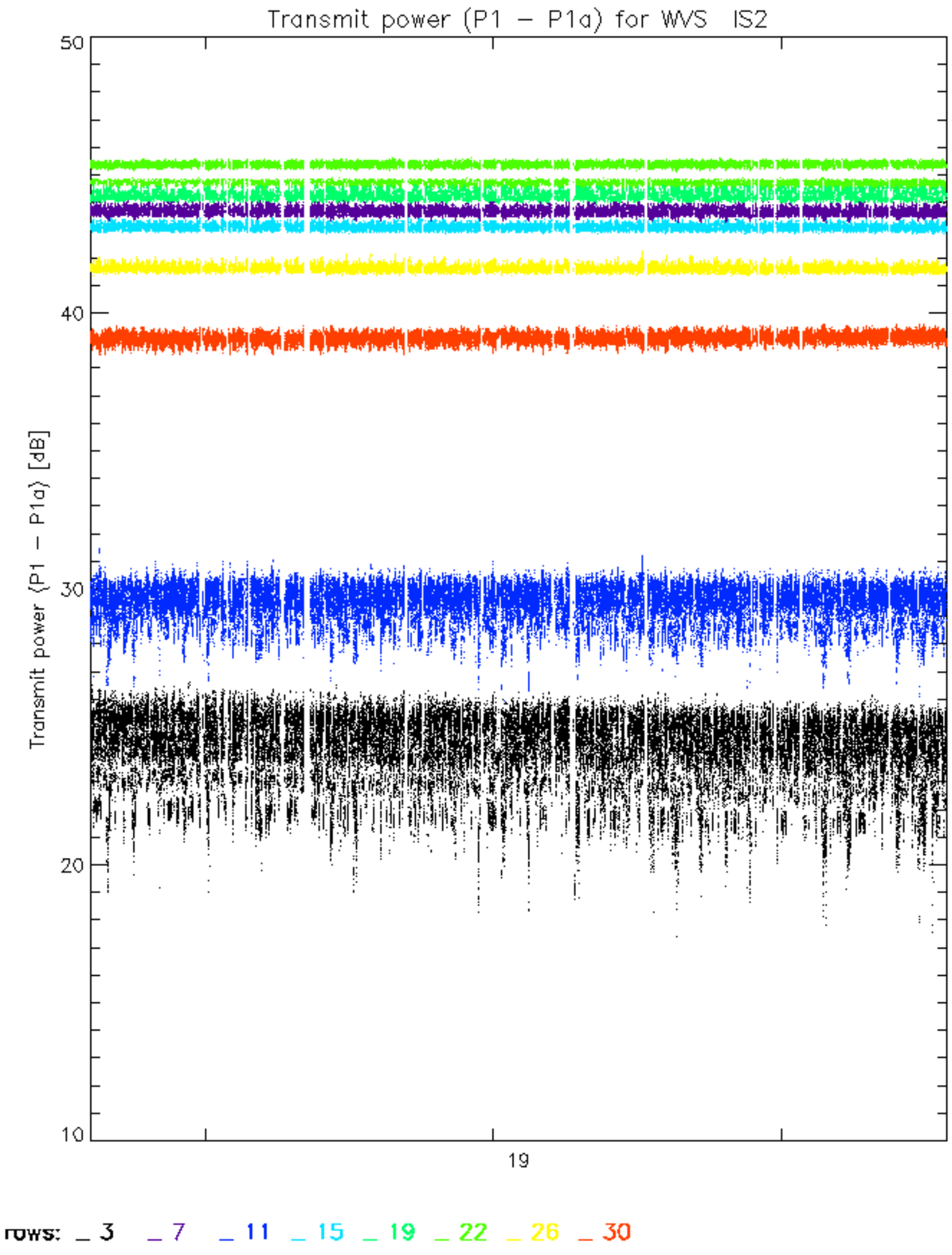
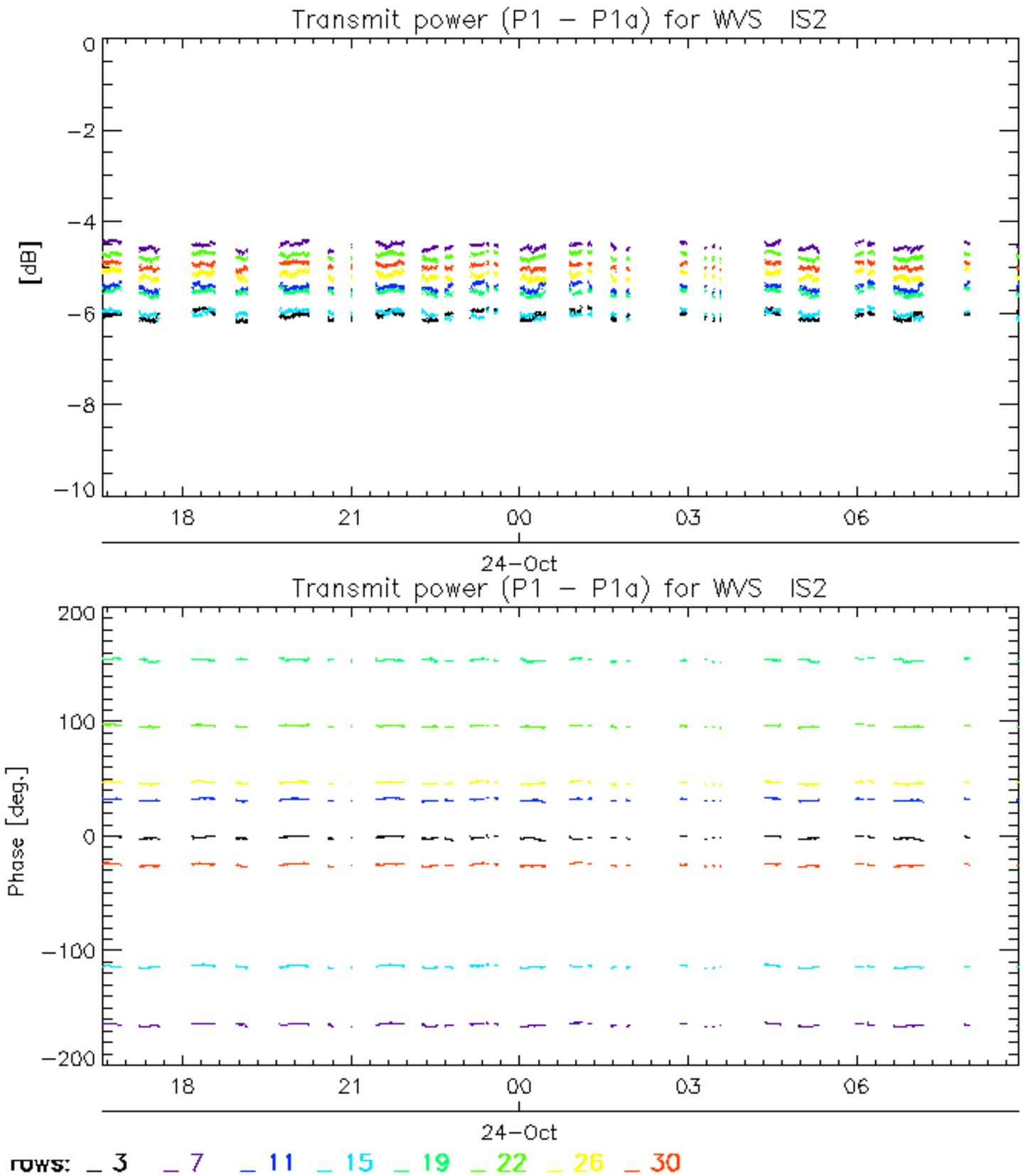

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
19
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
19
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
24−Oct
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
24−Oct
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.