# PRELIMINARY REPORT OF 050307

### last update on Mon Mar 7 10:50:01 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 2005-03-06 00:00:00 to 2005-03-07 10:50:01**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 30 | 0 | 4 | 0 | 2 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 30 | 0 | 4 | 0 | 2 |
| ASA_CON_AXVIEC20041215_175442_20030601_000000_20051231_000000 | 30 | 0 | 4 | 0 | 2 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 30 | 0 | 4 | 0 | 2 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 44 | 44 | 1 | 5 | 5 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 44 | 44 | 1 | 5 | 5 |
| ASA_CON_AXVIEC20041215_175442_20030601_000000_20051231_000000 | 44 | 44 | 1 | 5 | 5 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 44 | 44 | 1 | 5 | 5 |

### 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 | 20050305 064403 |
| H | 20050306 061226 |

**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 | -3.371490 | 0.007633 | 0.025282 |
| 7 | P1 | -3.089269 | 0.007727 | -0.016862 |
| 11 | P1 | -4.692361 | 0.021317 | -0.055702 |
| 15 | P1 | -5.656358 | 0.030255 | -0.043302 |
| 19 | P1 | -3.673880 | 0.004016 | -0.026865 |
| 22 | P1 | -4.523695 | 0.013205 | 0.053901 |
| 26 | P1 | -4.949604 | 0.015320 | -0.023249 |
| 30 | P1 | -7.181890 | 0.017786 | -0.059741 |
| 3 | P1 | -15.968593 | 0.068113 | -0.092173 |
| 7 | P1 | -15.522747 | 0.051367 | -0.002588 |
| 11 | P1 | -20.945946 | 0.267015 | -0.061533 |
| 15 | P1 | -11.578349 | 0.025295 | -0.035246 |
| 19 | P1 | -14.258703 | 0.025768 | -0.152477 |
| 22 | P1 | -15.698886 | 0.320034 | 0.340866 |
| 26 | P1 | -17.599161 | 0.228862 | 0.005658 |
| 30 | P1 | -17.957706 | 0.456164 | -0.112101 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -22.118490 | 0.085290 | 0.097617 |
| 7 | P2 | -22.309750 | 0.101670 | 0.118634 |
| 11 | P2 | -14.492311 | 0.104473 | 0.197874 |
| 15 | P2 | -7.056552 | 0.095296 | 0.071072 |
| 19 | P2 | -9.646895 | 0.094529 | 0.052890 |
| 22 | P2 | -16.943838 | 0.096114 | 0.079676 |
| 26 | P2 | -16.452995 | 0.093420 | 0.026924 |
| 30 | P2 | -18.881443 | 0.082276 | 0.031602 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 7 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 11 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 15 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 19 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 22 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 26 | P3 | -8.168509 | 0.005366 | 0.002069 |
| 30 | P3 | -8.168509 | 0.005366 | 0.002069 |

#### 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 | -2.742297 | 0.011265 | 0.057921 |
| 7 | P1 | -3.008426 | 0.032798 | -0.089802 |
| 11 | P1 | -3.985617 | 0.014929 | -0.047181 |
| 15 | P1 | -3.565258 | 0.017162 | -0.072626 |
| 19 | P1 | -3.592239 | 0.013333 | -0.004259 |
| 22 | P1 | -5.740232 | 0.040324 | -0.087650 |
| 26 | P1 | -7.299047 | 0.025735 | 0.041911 |
| 30 | P1 | -6.238685 | 0.039003 | 0.034290 |
| 3 | P1 | -10.751524 | 0.053138 | -0.002061 |
| 7 | P1 | -10.276718 | 0.143401 | -0.206141 |
| 11 | P1 | -12.566232 | 0.093186 | 0.001978 |
| 15 | P1 | -11.766653 | 0.063005 | -0.066998 |
| 19 | P1 | -15.573165 | 0.043225 | 0.000467 |
| 22 | P1 | -24.366718 | 1.216679 | -0.318668 |
| 26 | P1 | -15.507981 | 0.175933 | 0.189815 |
| 30 | P1 | -20.160183 | 1.023471 | -0.175394 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.835716 | 0.030927 | 0.097100 |
| 7 | P2 | -22.397850 | 0.035178 | 0.066394 |
| 11 | P2 | -10.262595 | 0.046585 | 0.225593 |
| 15 | P2 | -4.985724 | 0.020194 | 0.035368 |
| 19 | P2 | -6.842539 | 0.029362 | 0.042876 |
| 22 | P2 | -7.127371 | 0.028107 | 0.082808 |
| 26 | P2 | -23.861118 | 0.024911 | 0.030246 |
| 30 | P2 | -21.919033 | 0.029225 | 0.065084 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.002090 | 0.002629 | -0.000278 |
| 7 | P3 | -8.002083 | 0.002646 | -0.000363 |
| 11 | P3 | -8.001998 | 0.002658 | -0.000180 |
| 15 | P3 | -8.002164 | 0.002641 | -0.000646 |
| 19 | P3 | -8.002043 | 0.002660 | -0.000442 |
| 22 | P3 | -8.002000 | 0.002640 | -0.000139 |
| 26 | P3 | -8.002083 | 0.002644 | -0.000308 |
| 30 | P3 | -8.002135 | 0.002643 | -0.000174 |

## 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 | 0.000471473 |
| | stdev | 2.16153e-07 |
| MEAN Q | mean | 0.000525161 |
| | stdev | 2.29988e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.129430 |
| | stdev | 0.000985153 |
| STDEV Q | mean | 0.129678 |
| | stdev | 0.000996006 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005030[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

| Filename | num_gaps | num_missing_lines |
|---|---|---|

# 7 - Doppler Analysis

Preliminary report.The data is not yet controled

## 7.1 - Unbiased Doppler Error for WVS

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

## 7.2 - Absolute Doppler for WVS

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

## 7.3 - Doppler evolution versus ANX for WVS

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

## 7.4 - Unbiased Doppler Error for GM1

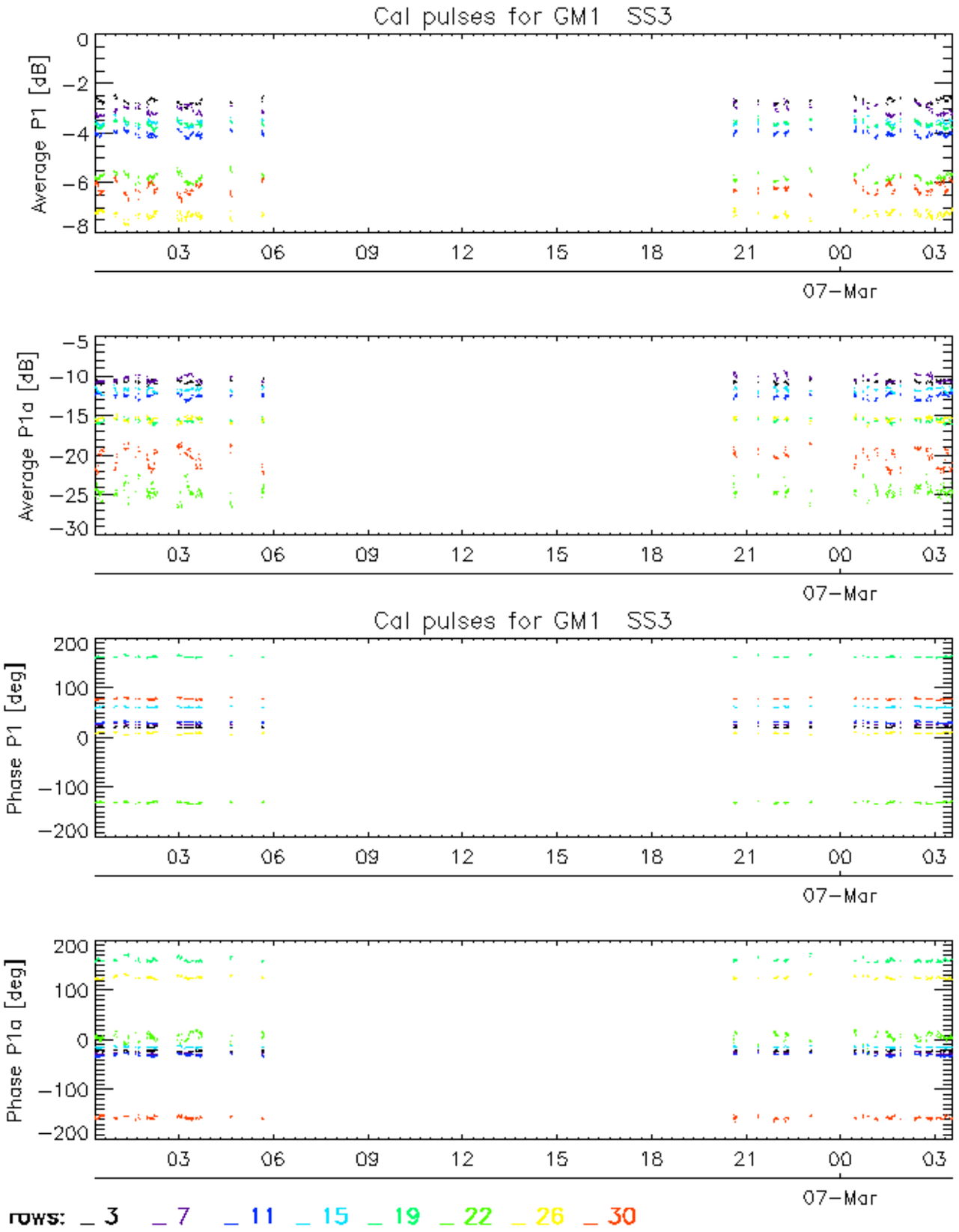
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

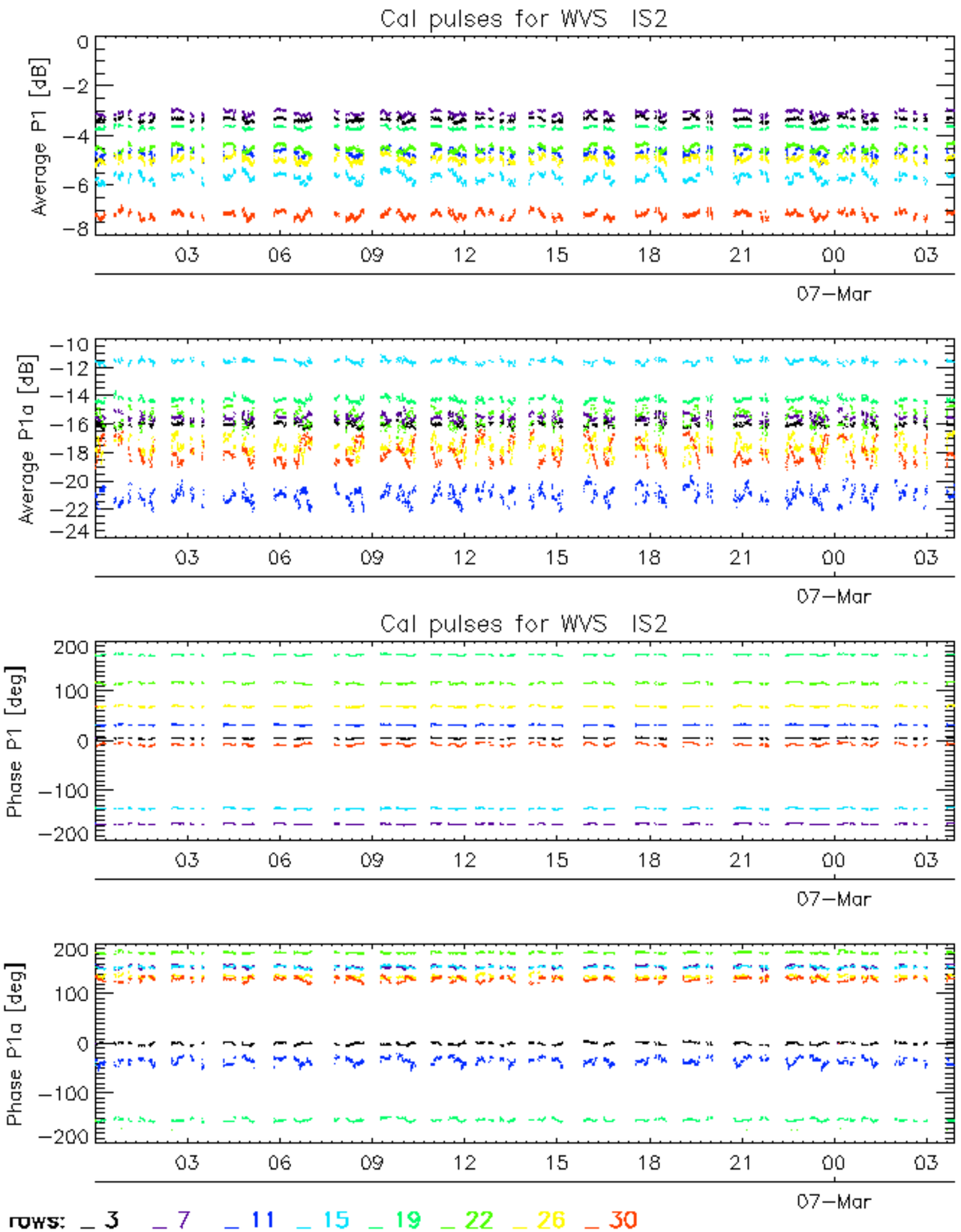
## 7.5 - Absolute Doppler for GM1

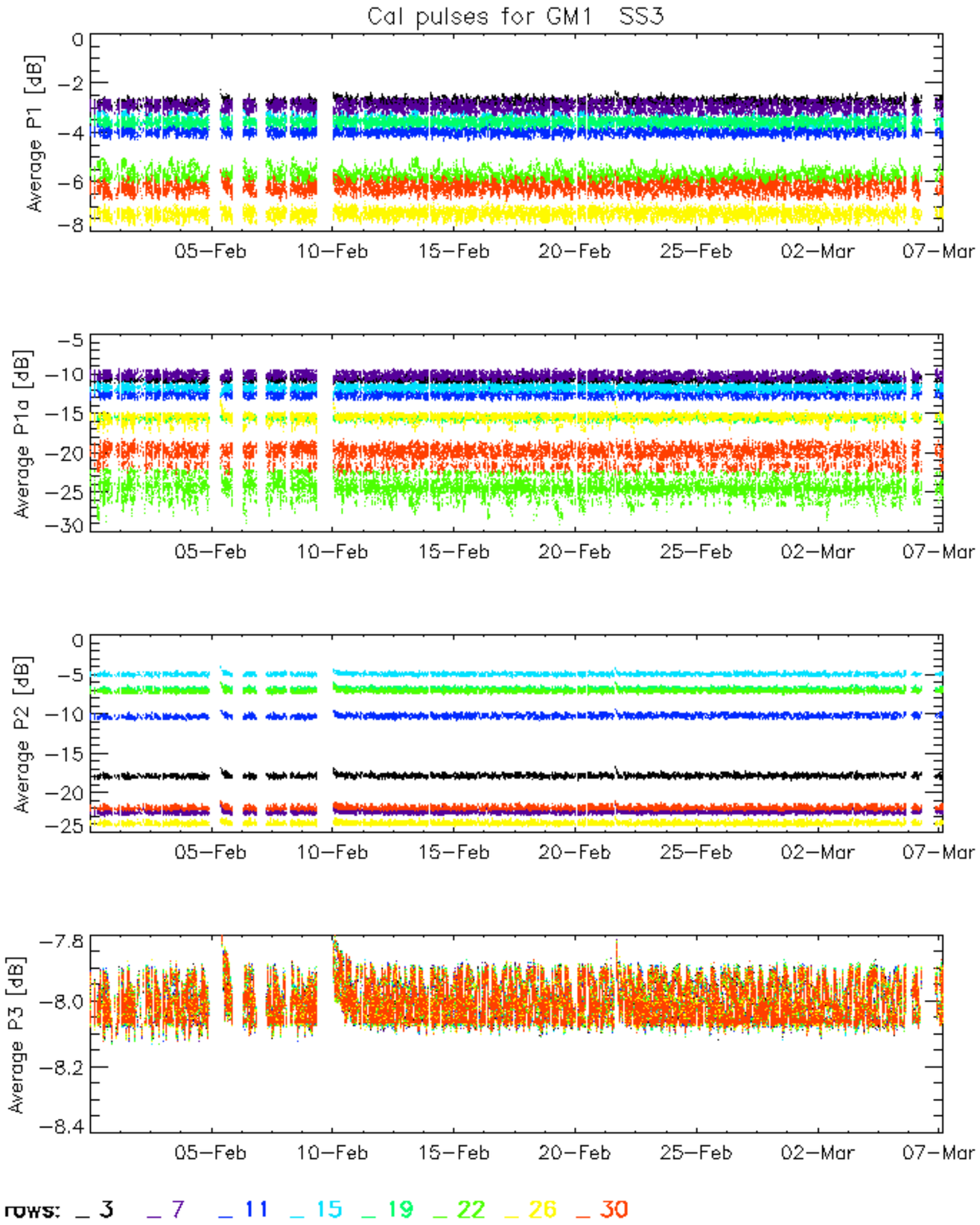
| Evolution of Absolute Doppler |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

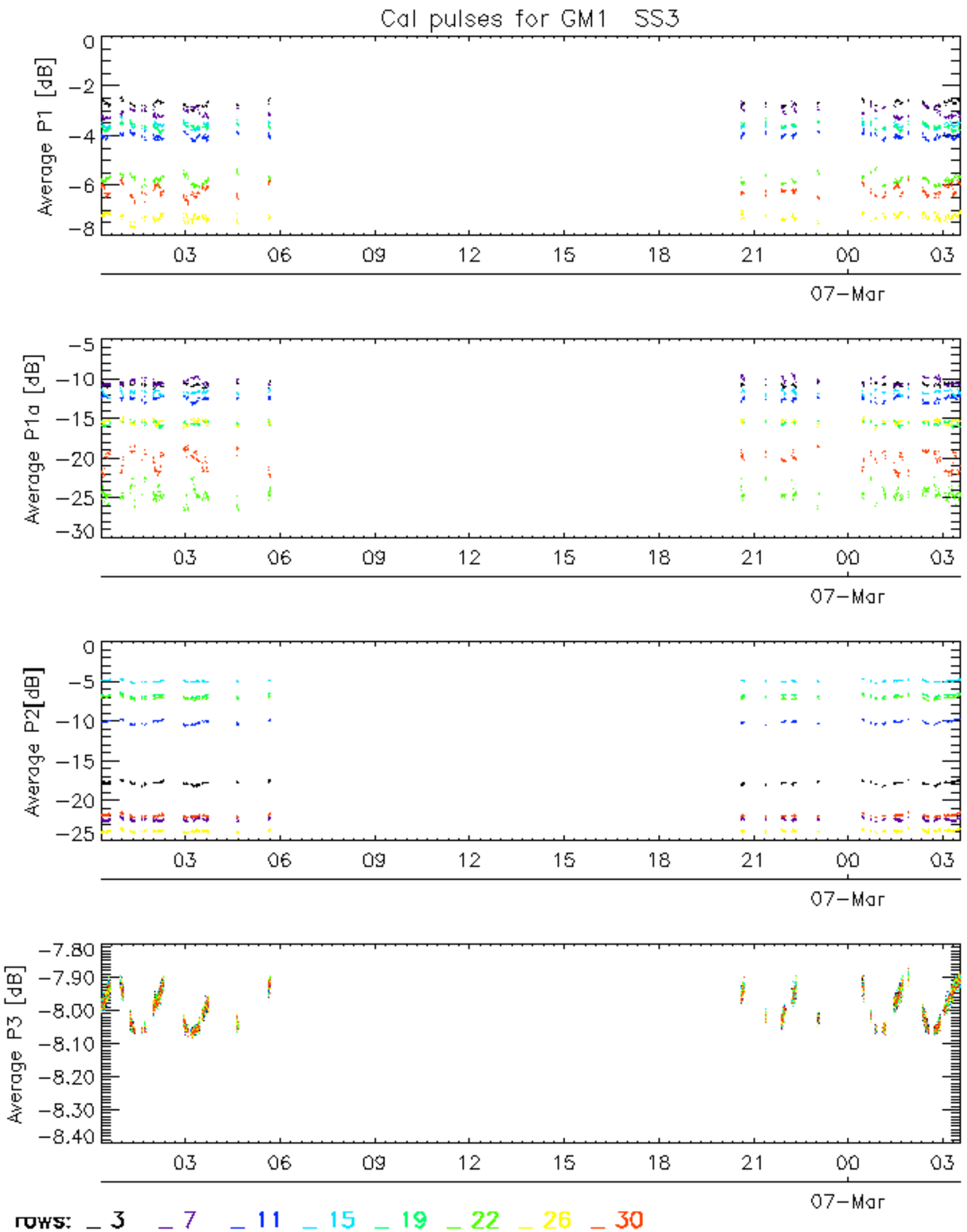
## 7.6 - Doppler evolution versus ANX for GM1

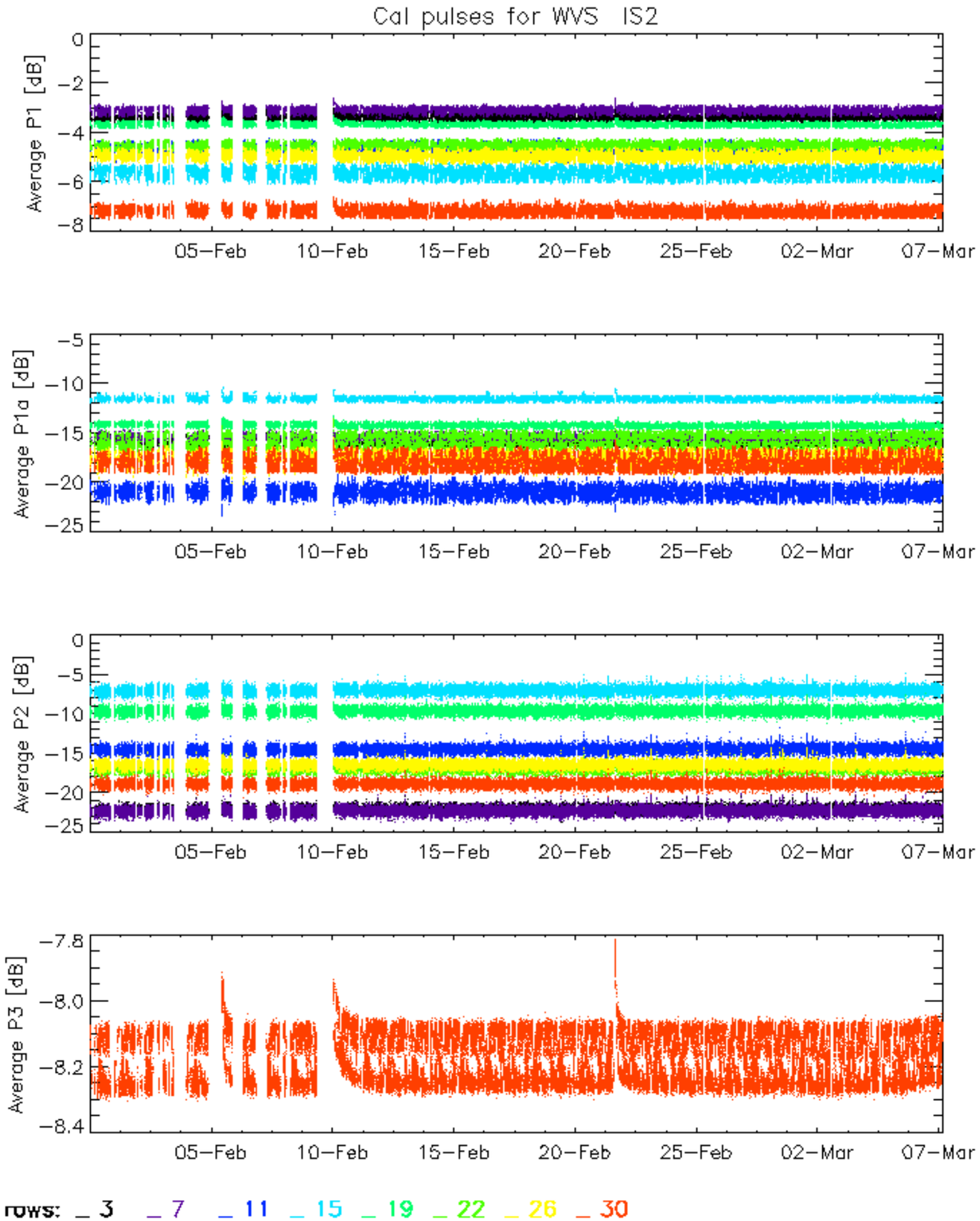
| Evolution Doppler error versus ANX |
| --- |
| ☒ |

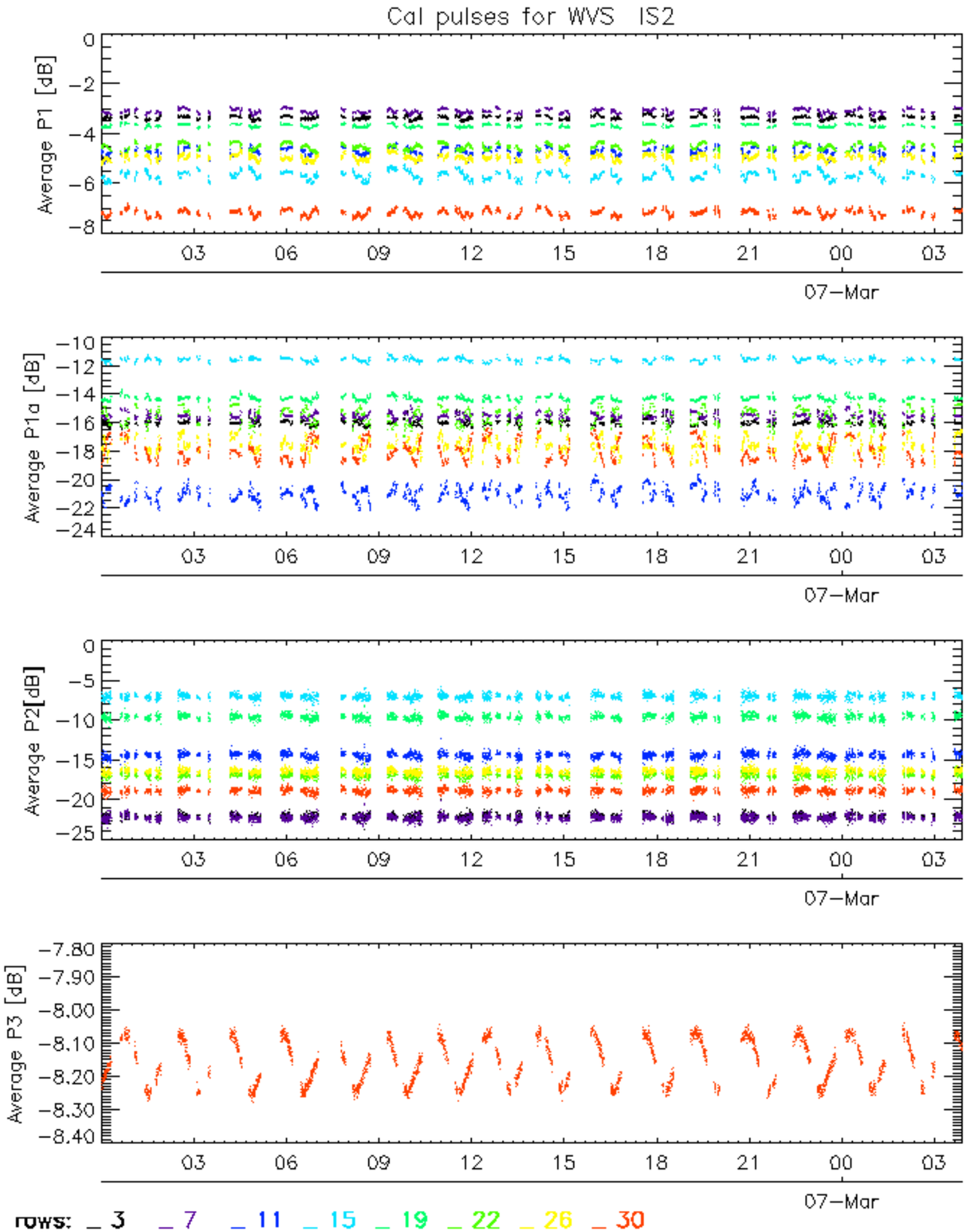

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
07−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
07−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
−24
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30

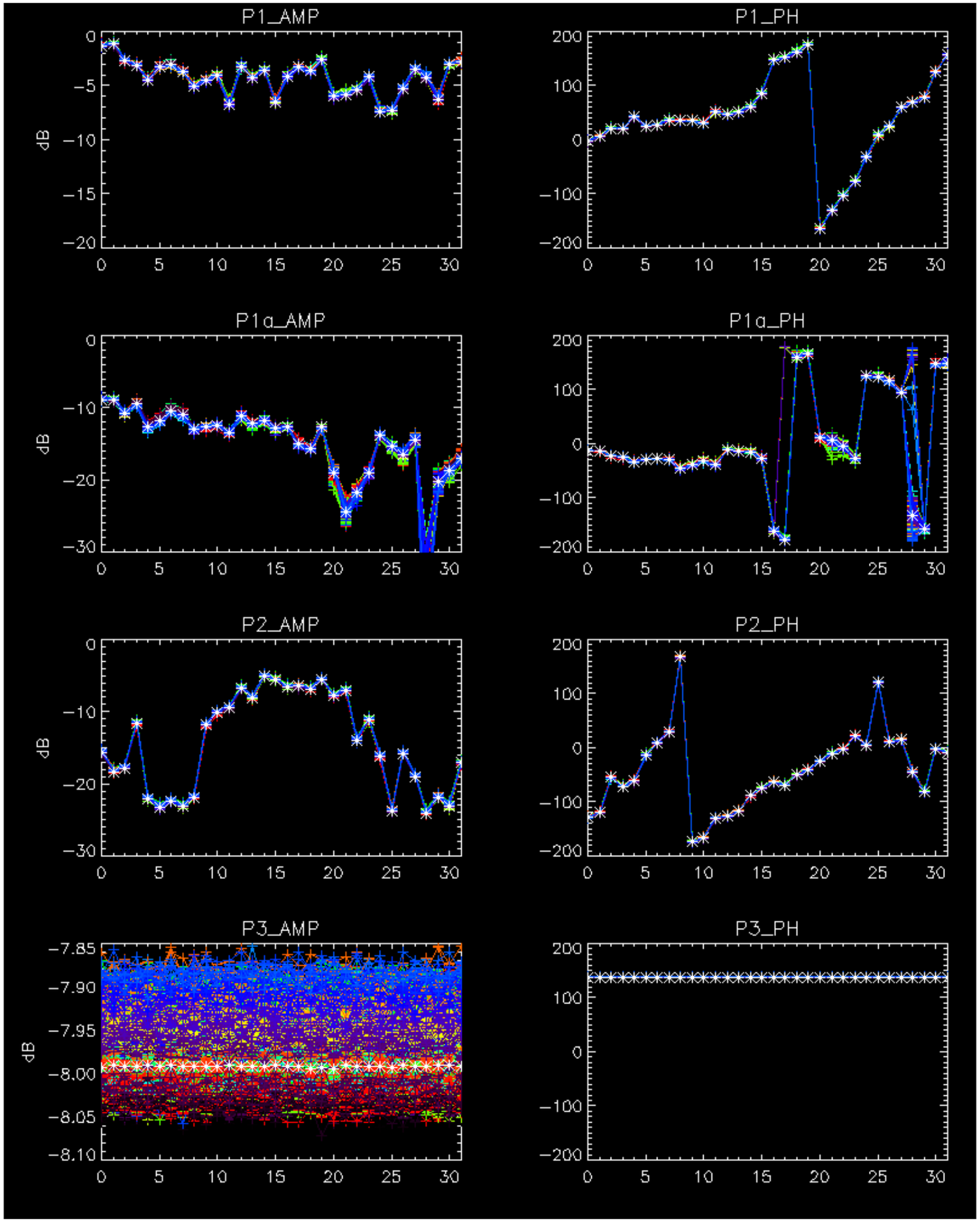

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

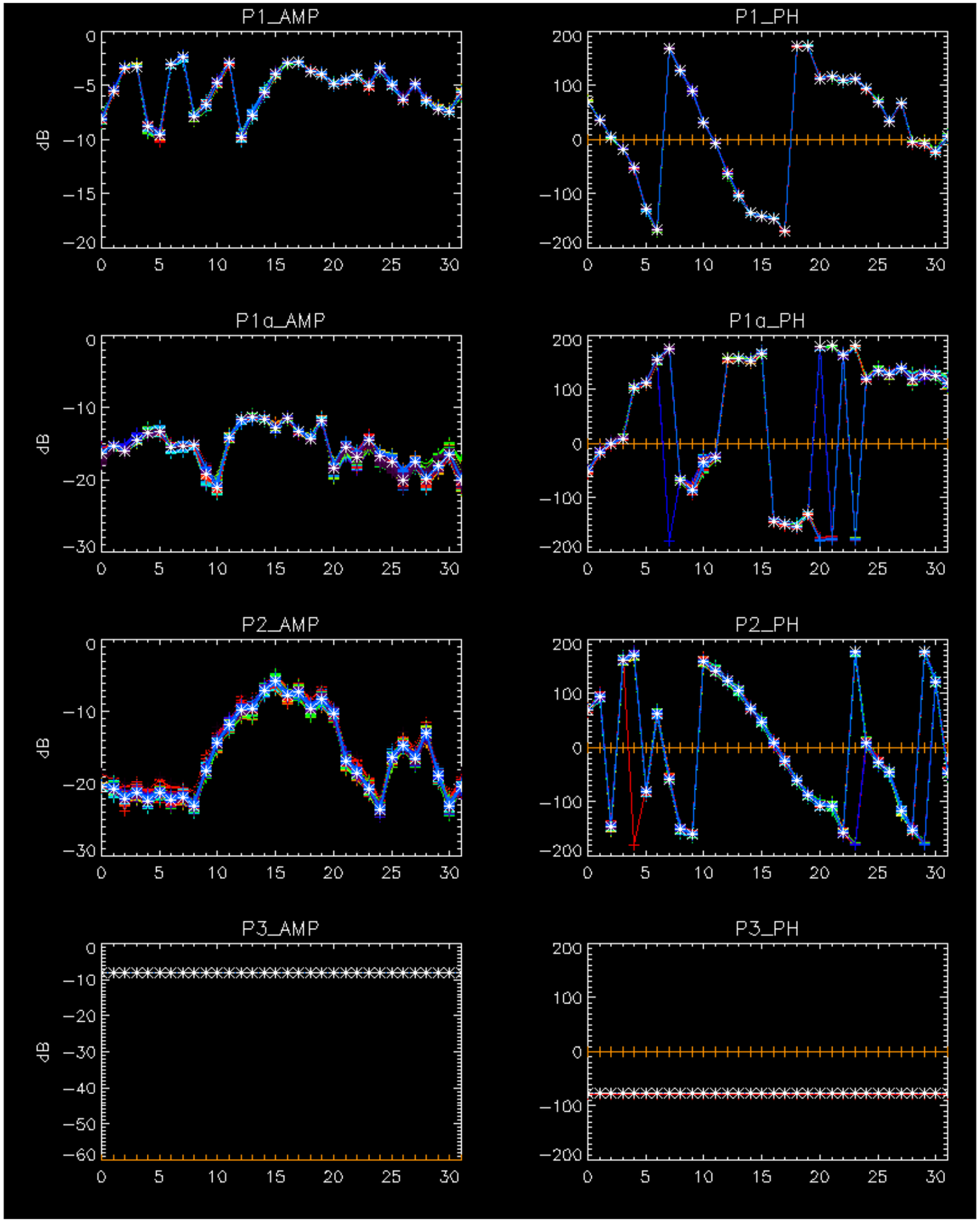

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
07−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
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 WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
07−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
−24
Average P2[dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30

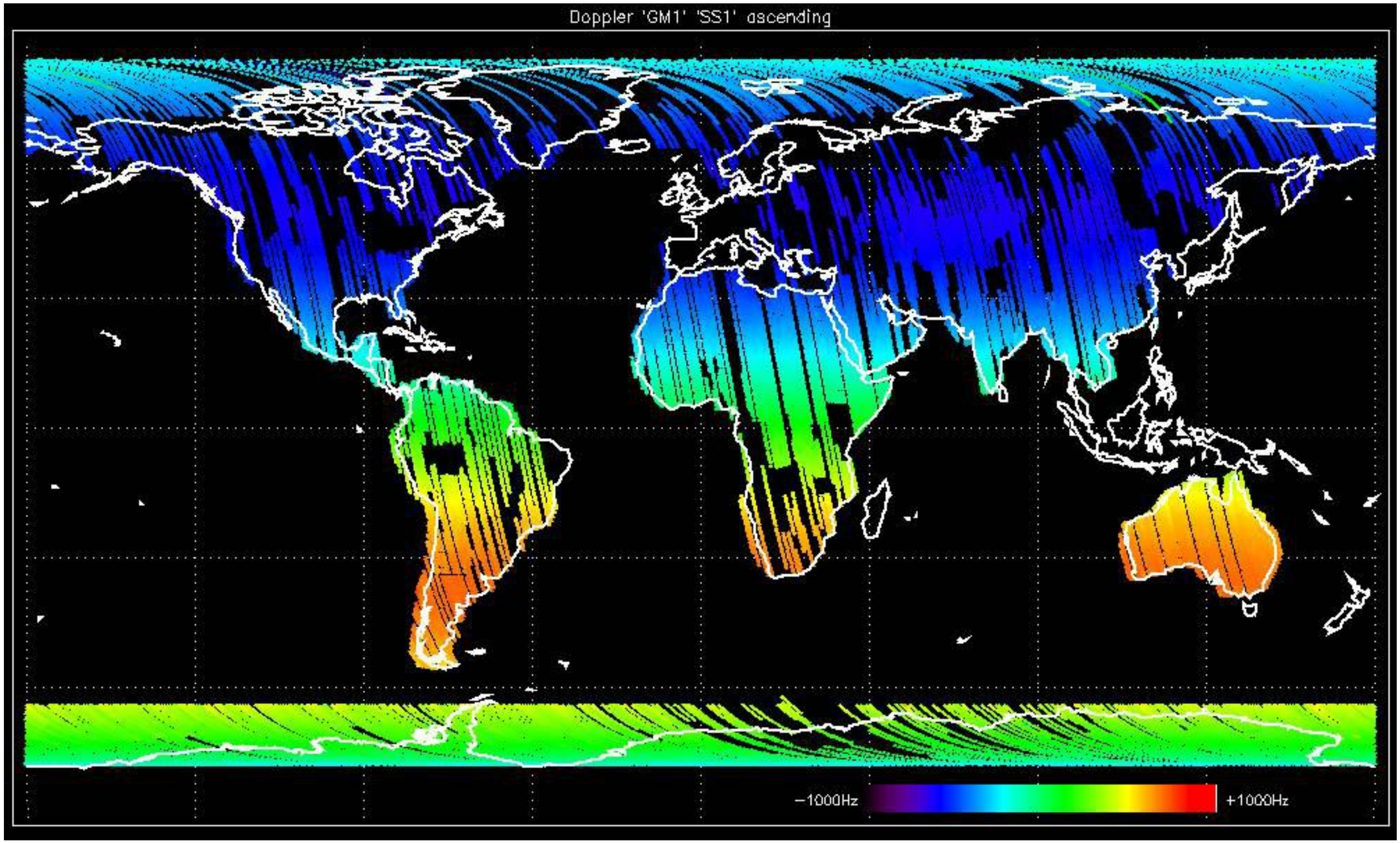
No anomalies observed.

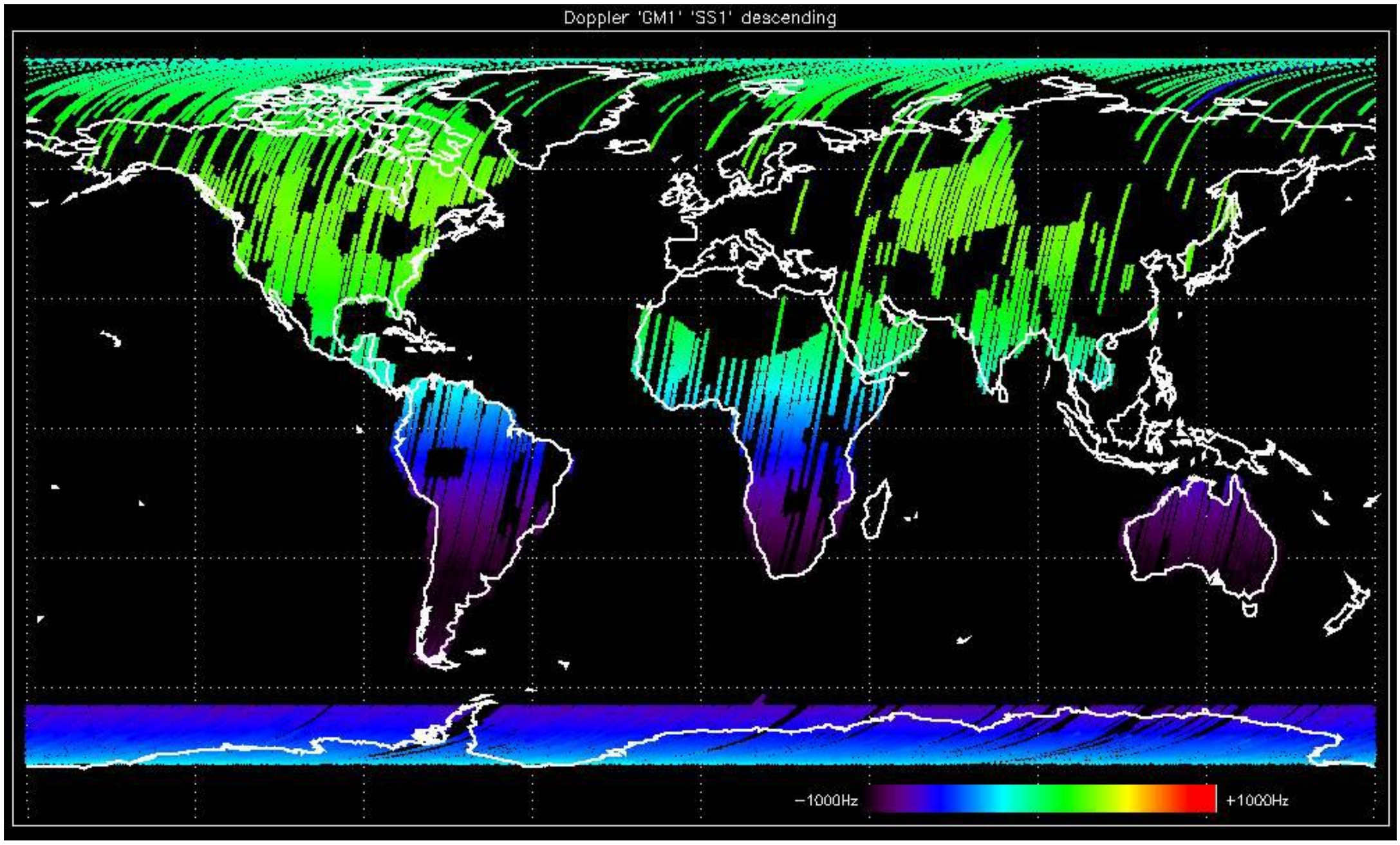

P1_AMP
dB
0
−5
−10
−15
−20
0 5 10 15 20 25 30
P1_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P1a_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P1a_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P2_AMP
dB
0
−10
−20
−30
0 5 10 15 20 25 30
P2_PH
200
100
0
−100
−200
0 5 10 15 20 25 30
P3_AMP
dB
−7.85
−7.90
−7.95
−8.00
−8.05
−8.10
0 5 10 15 20 25 30
P3_PH
200
100
0
−100
−200
0 5 10 15 20 25 30

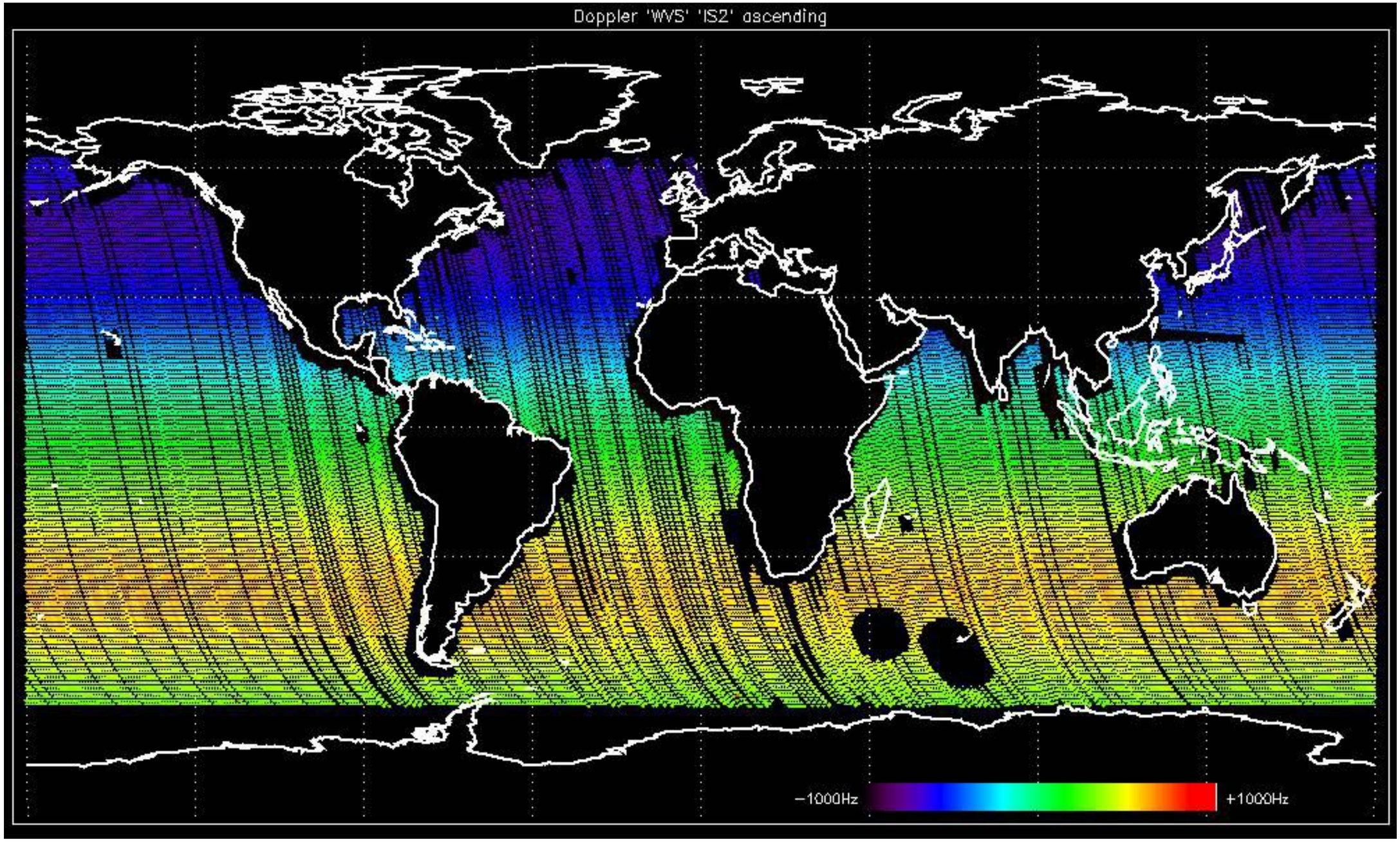

P1_AMP
P1_PH
P1a_AMP
P1a_PH
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

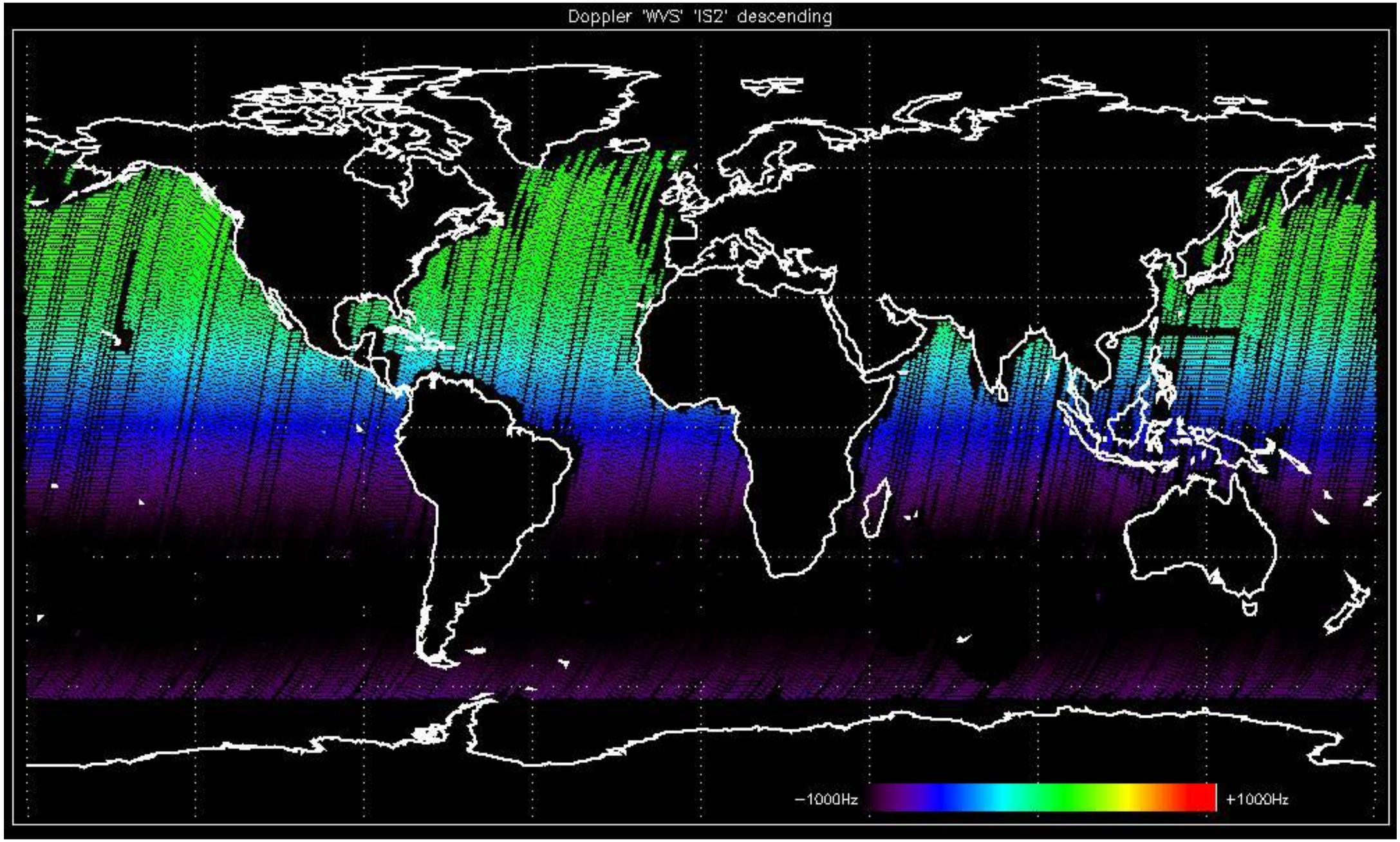
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

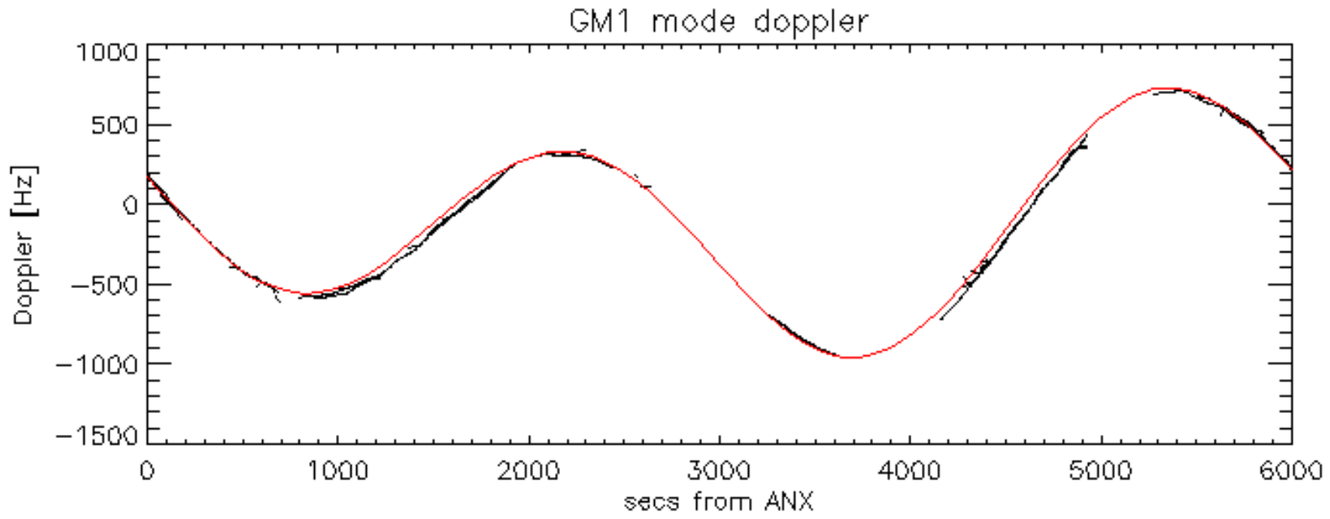
Preliminary report.The data is not yet controled

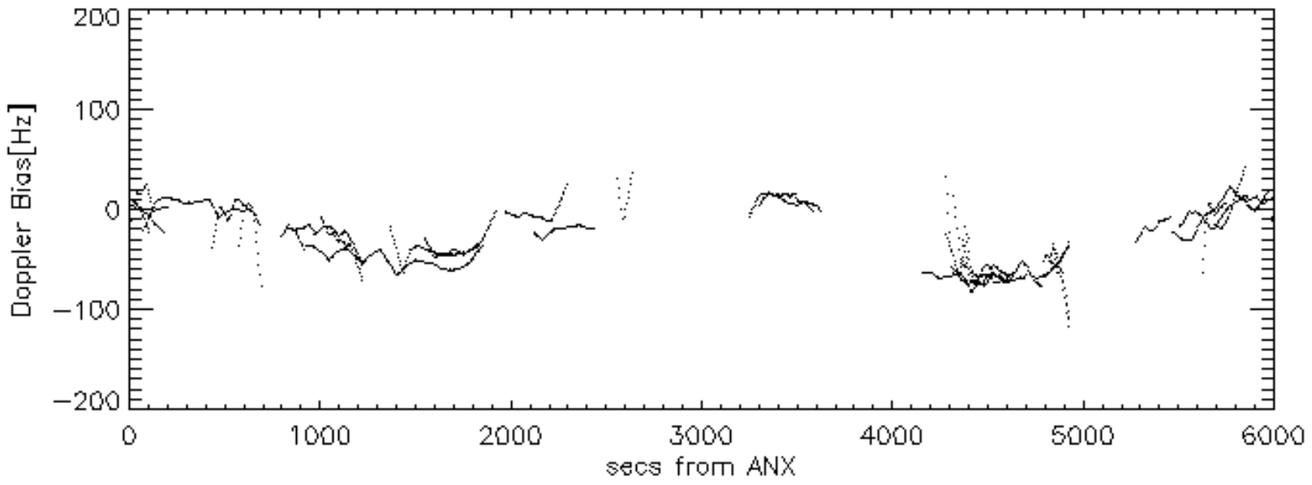

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

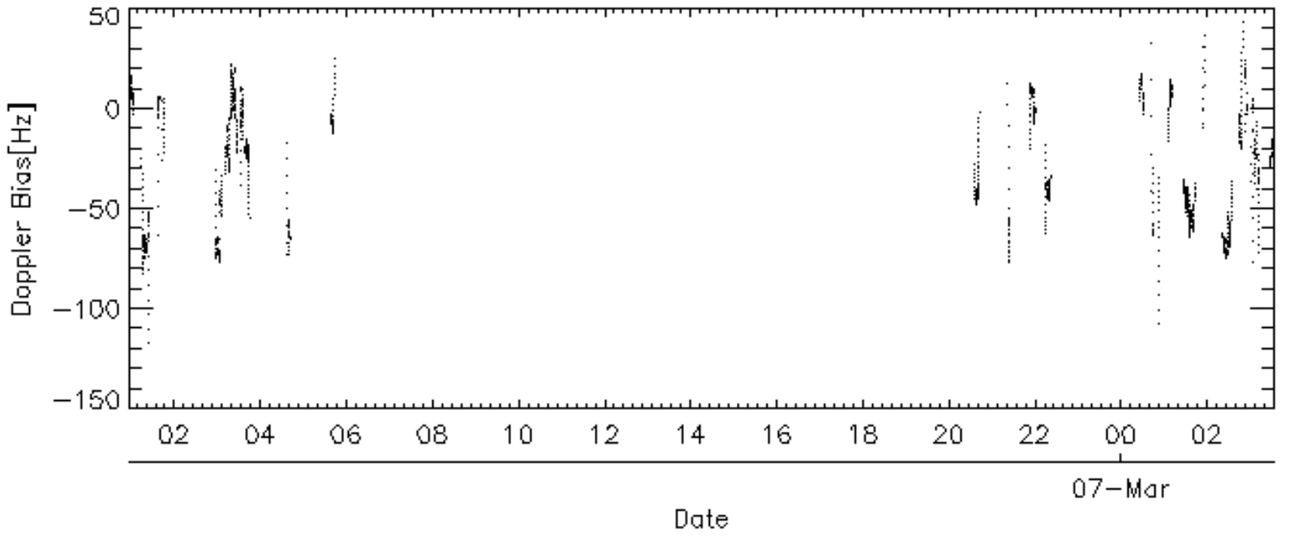

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

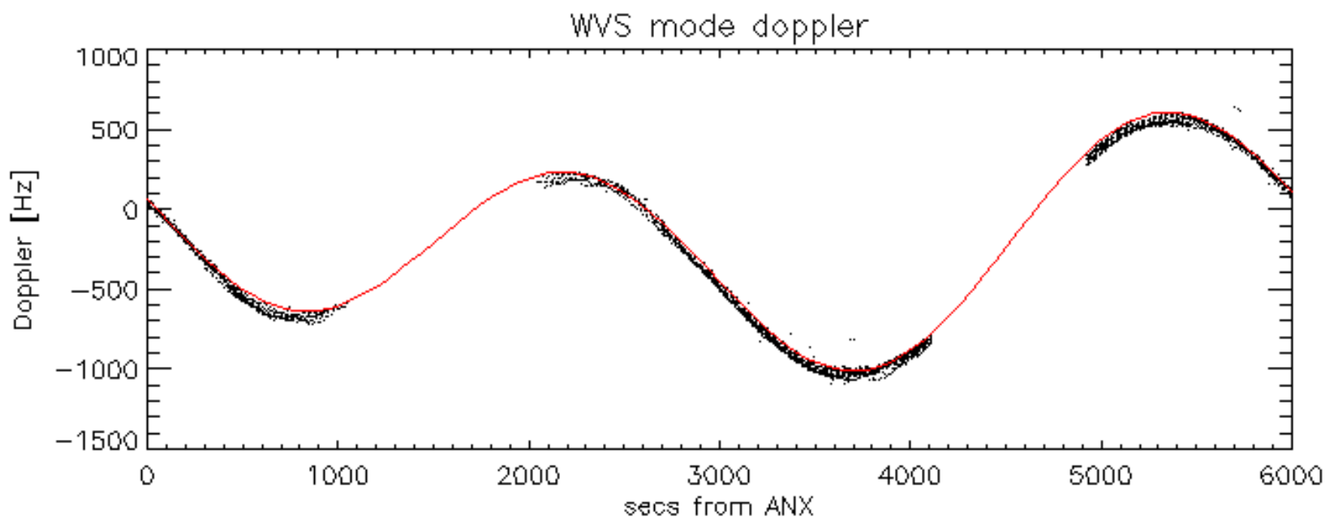

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

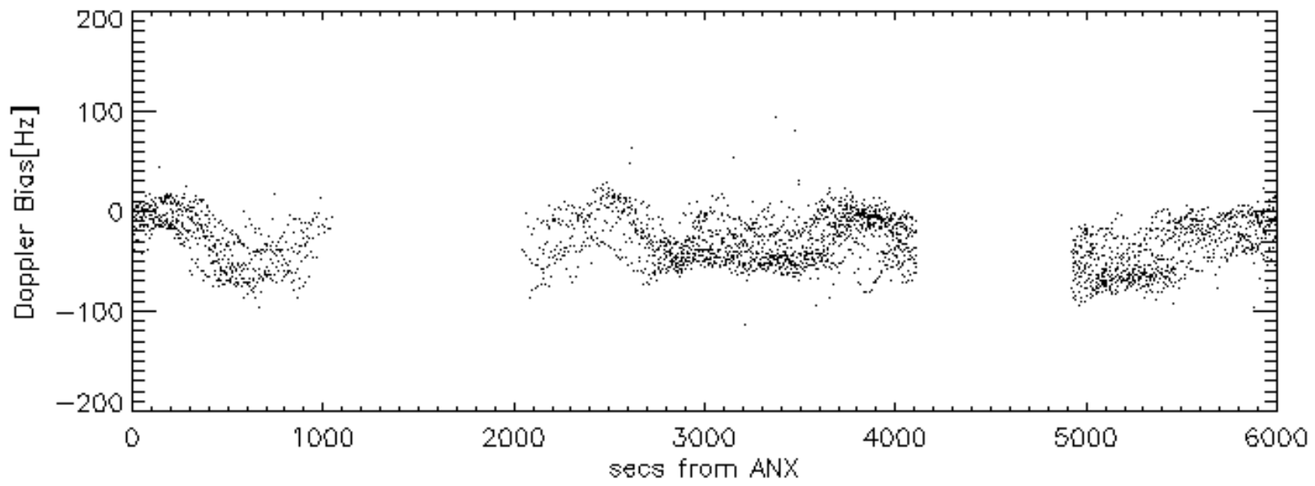

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

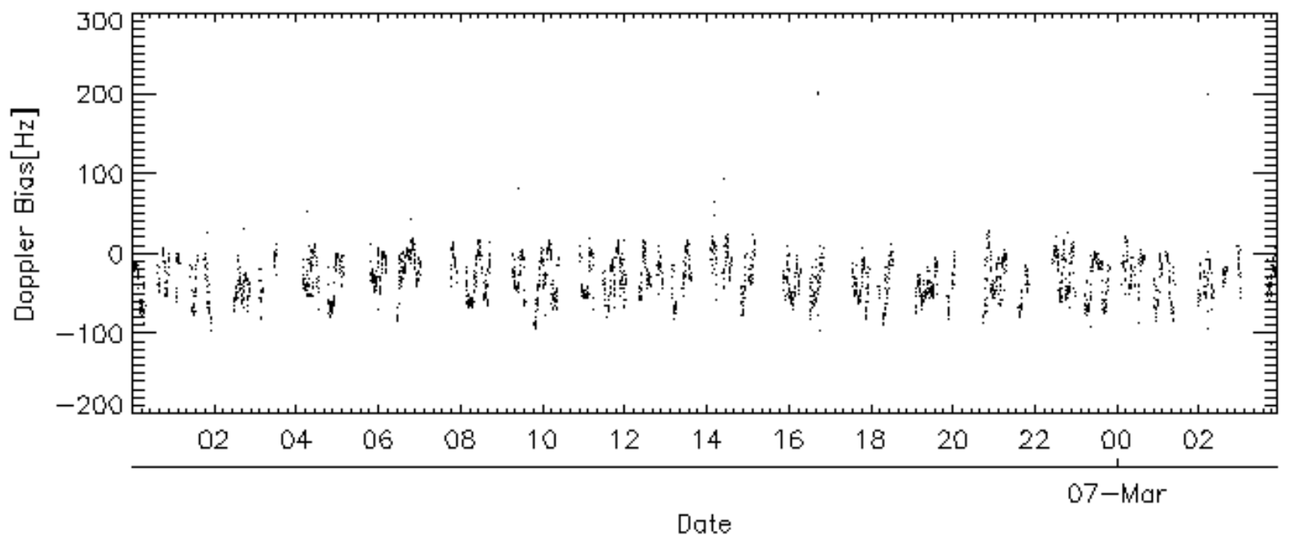

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

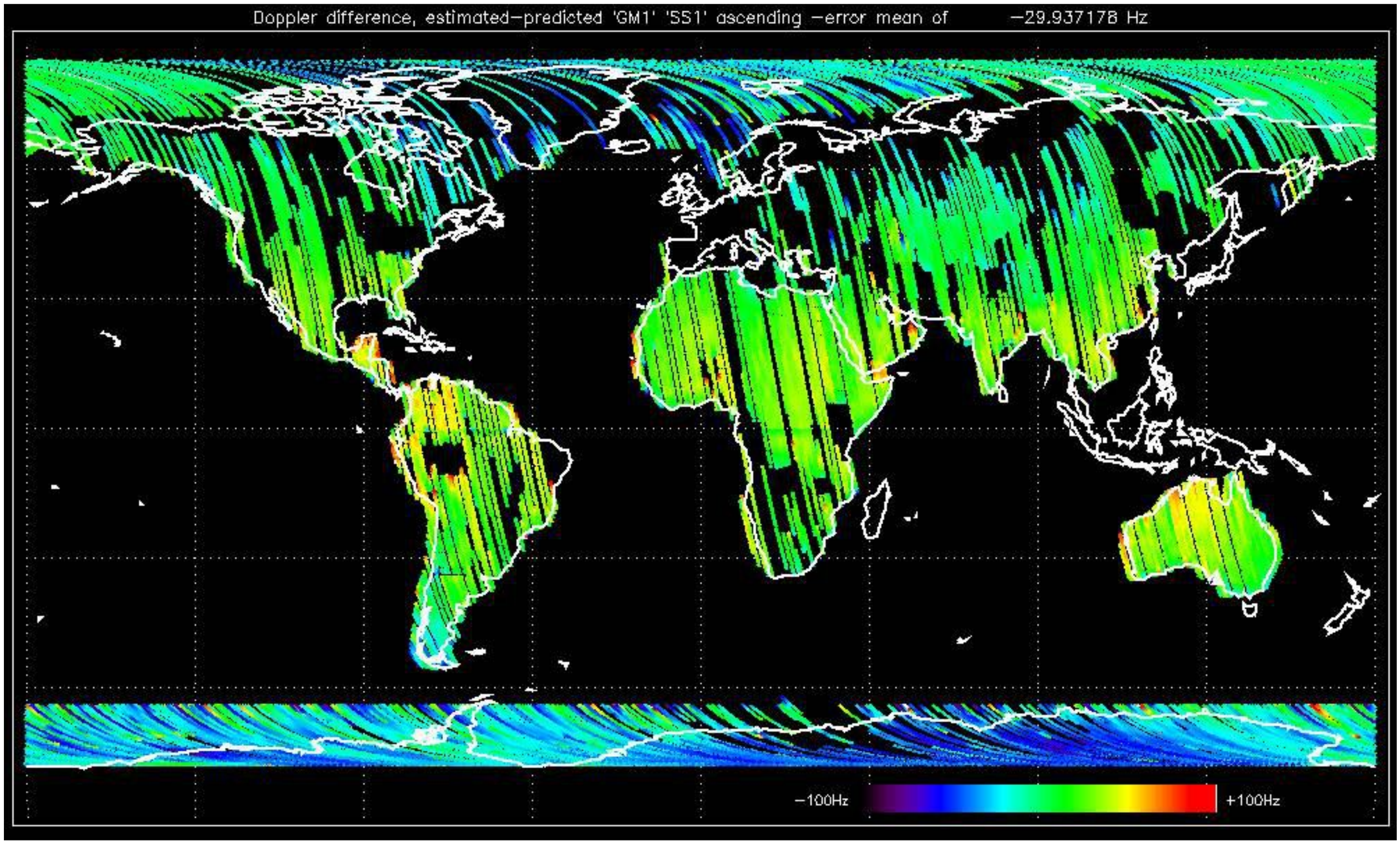

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

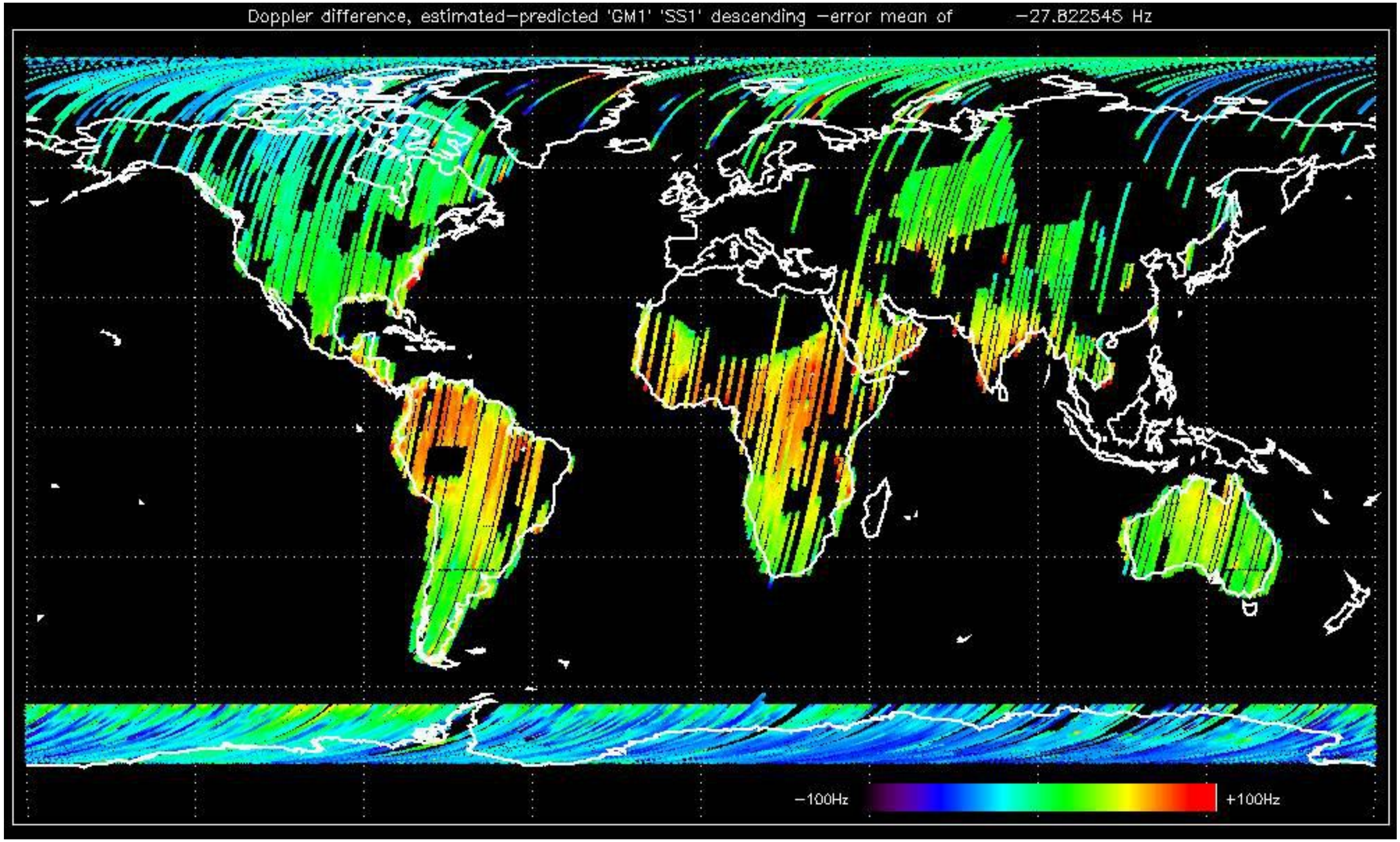

Doppler Bias[Hz]
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
07−Mar
Date

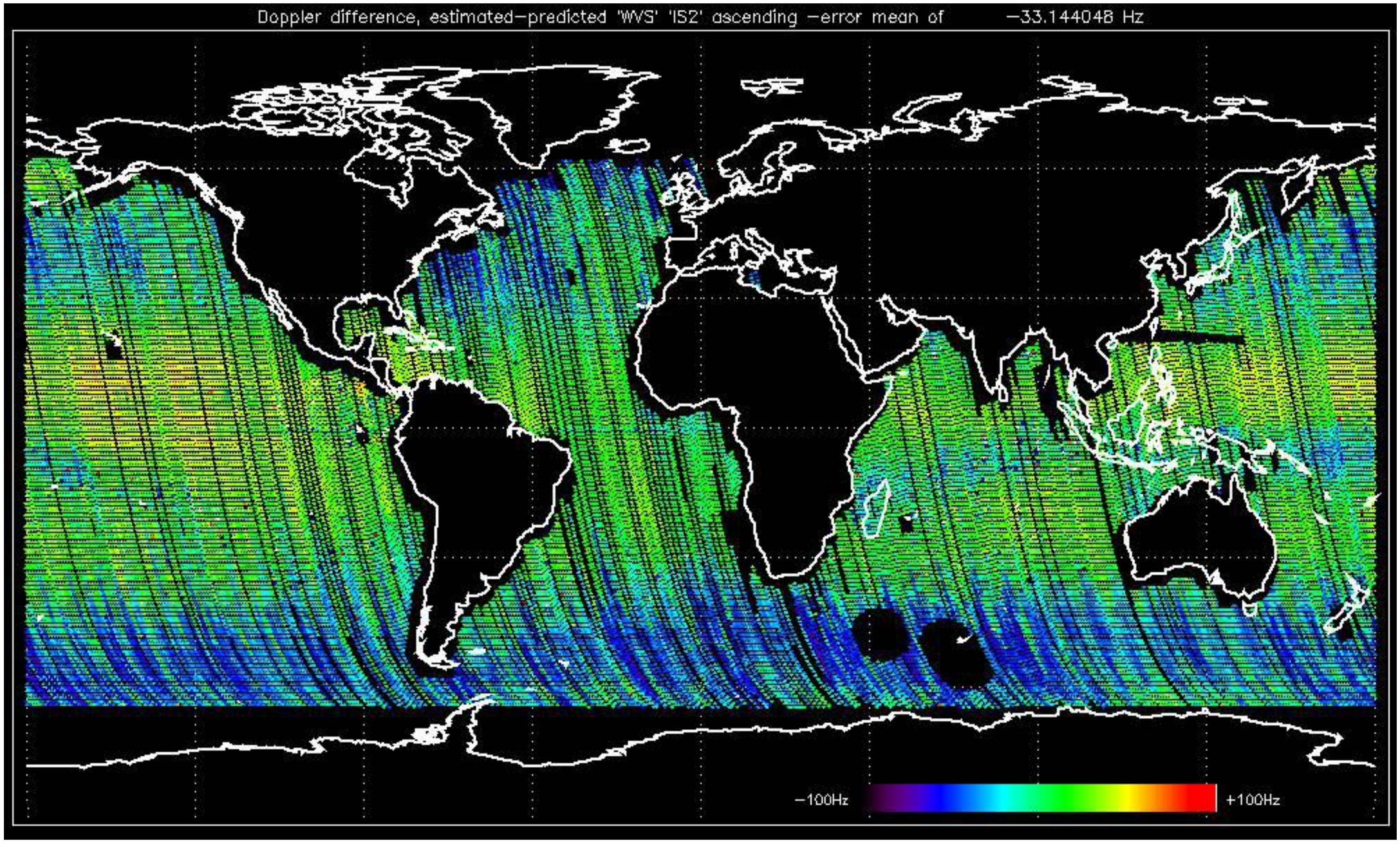

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

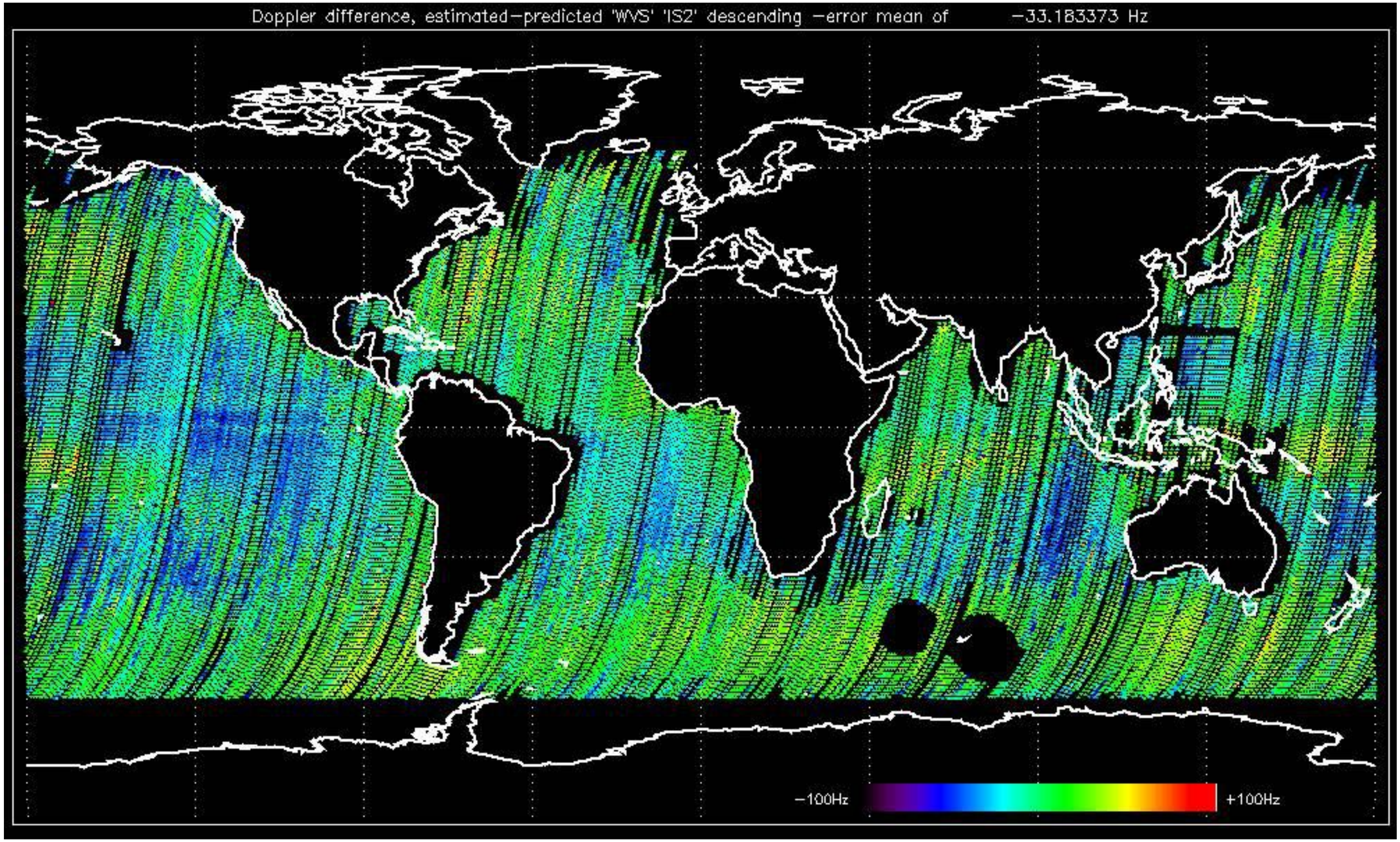

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −29.937178 Hz
−100Hz
+100Hz


Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -27.822545 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −33.144048 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −33.183373 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-03-06 06:12:26 H
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
6
7
8
9
10
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14
15
16
17
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19
20
21
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23
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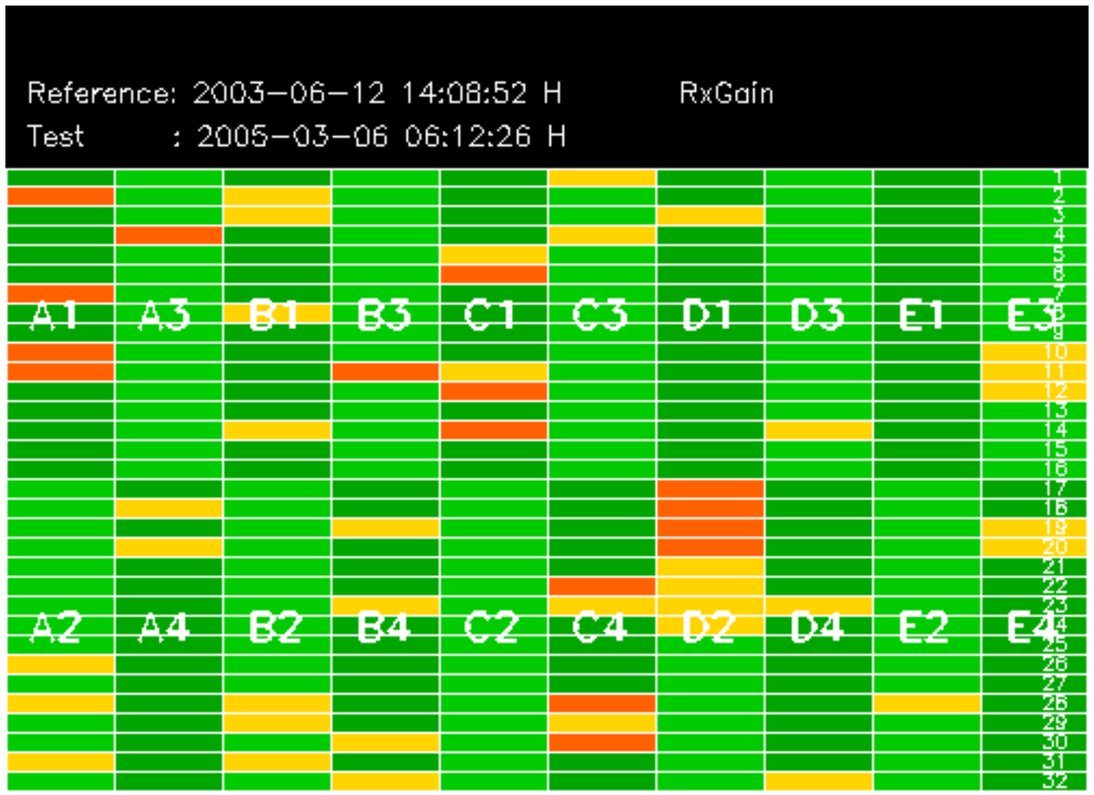
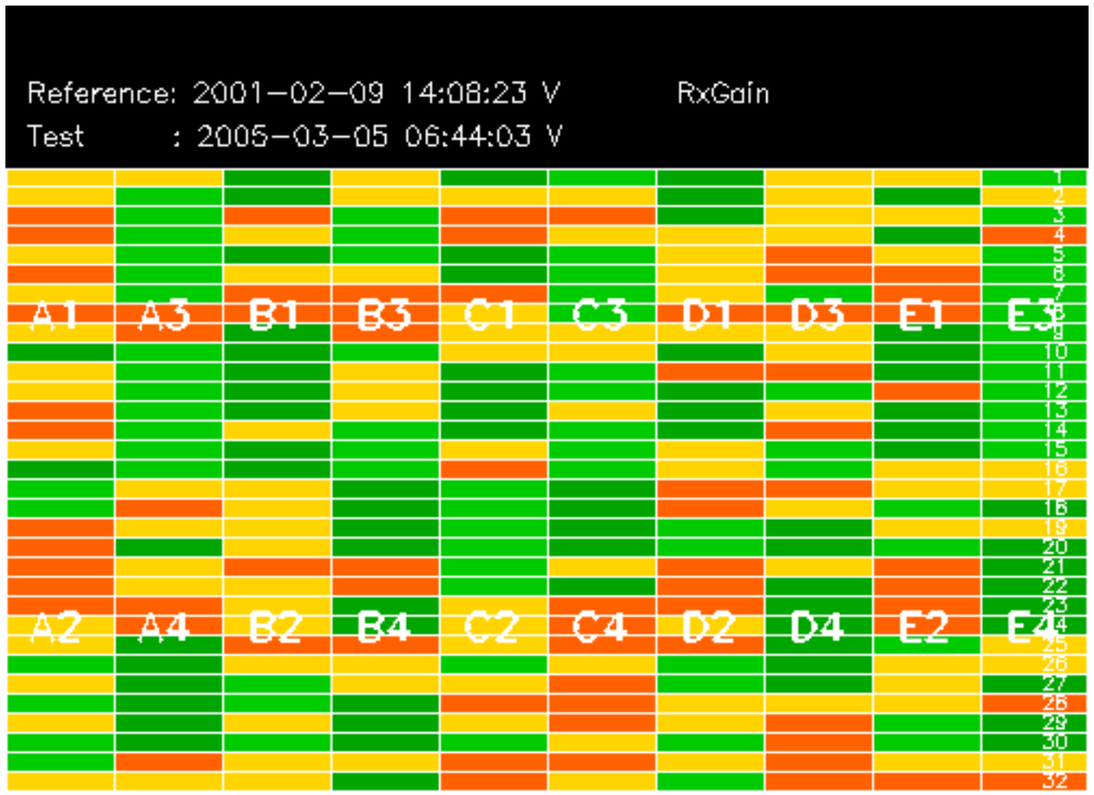
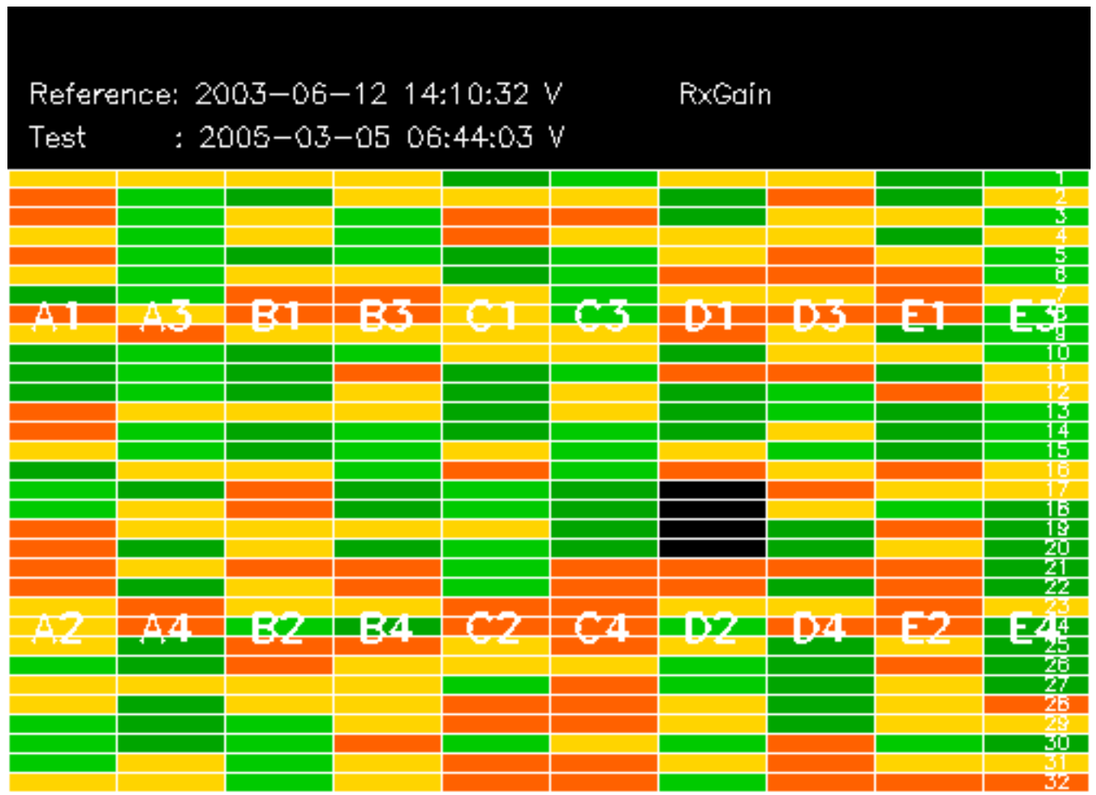
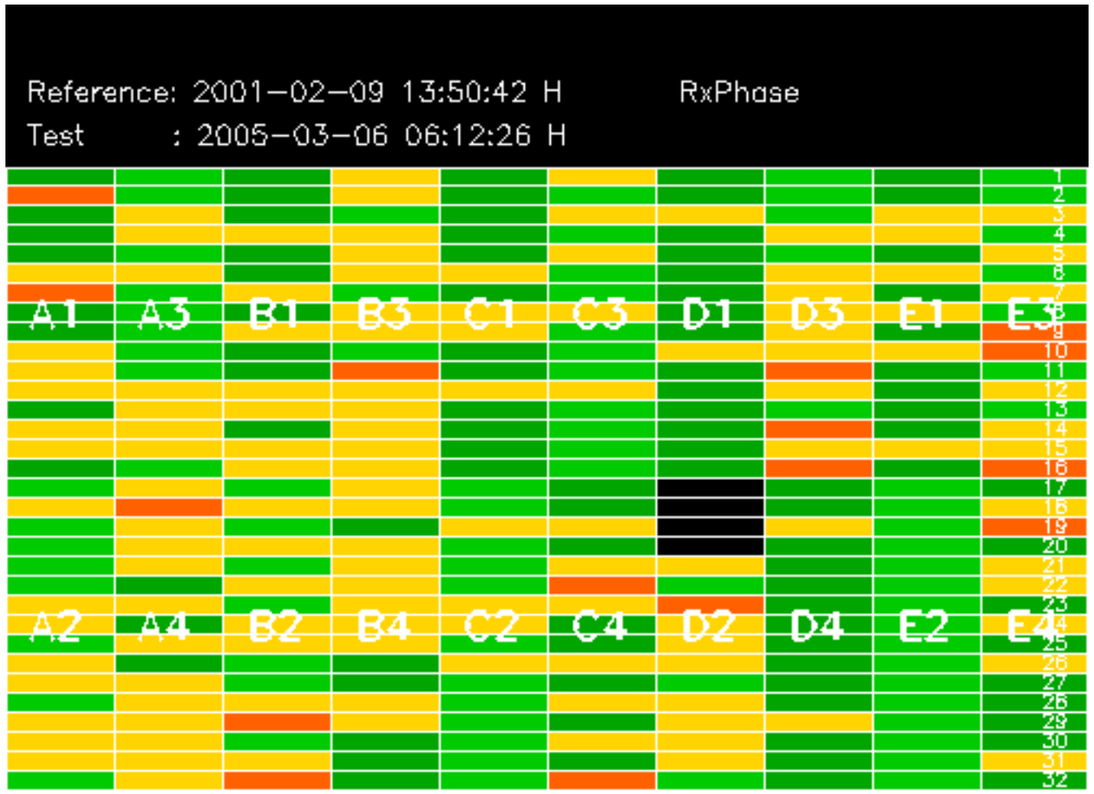
26
27
28
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-06 06:12:26 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
RxGain
Test : 2005-03-05 06:44:03 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-03-05 06:44:03 V
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 13:50:42 H
RxPhase
Test : 2005-03-06 06:12:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
RxPhase
Test : 2005-03-06 06:12:26 H
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
8
9
10
11
12
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17
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21
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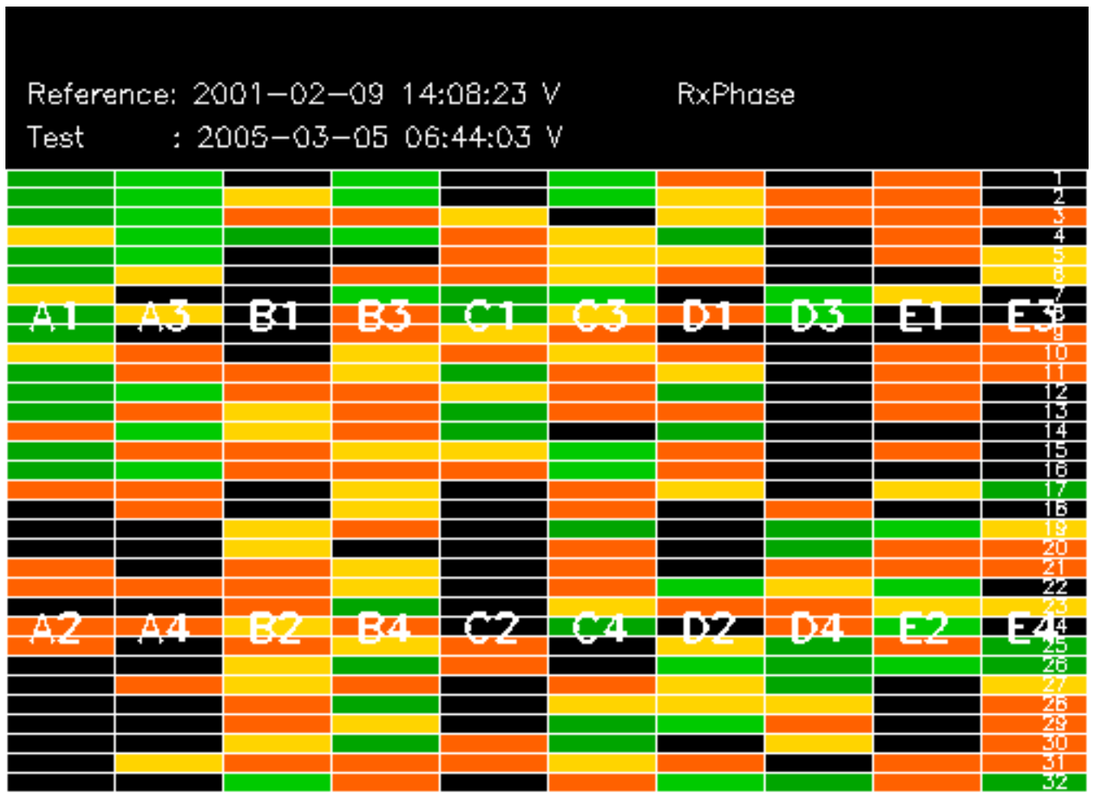
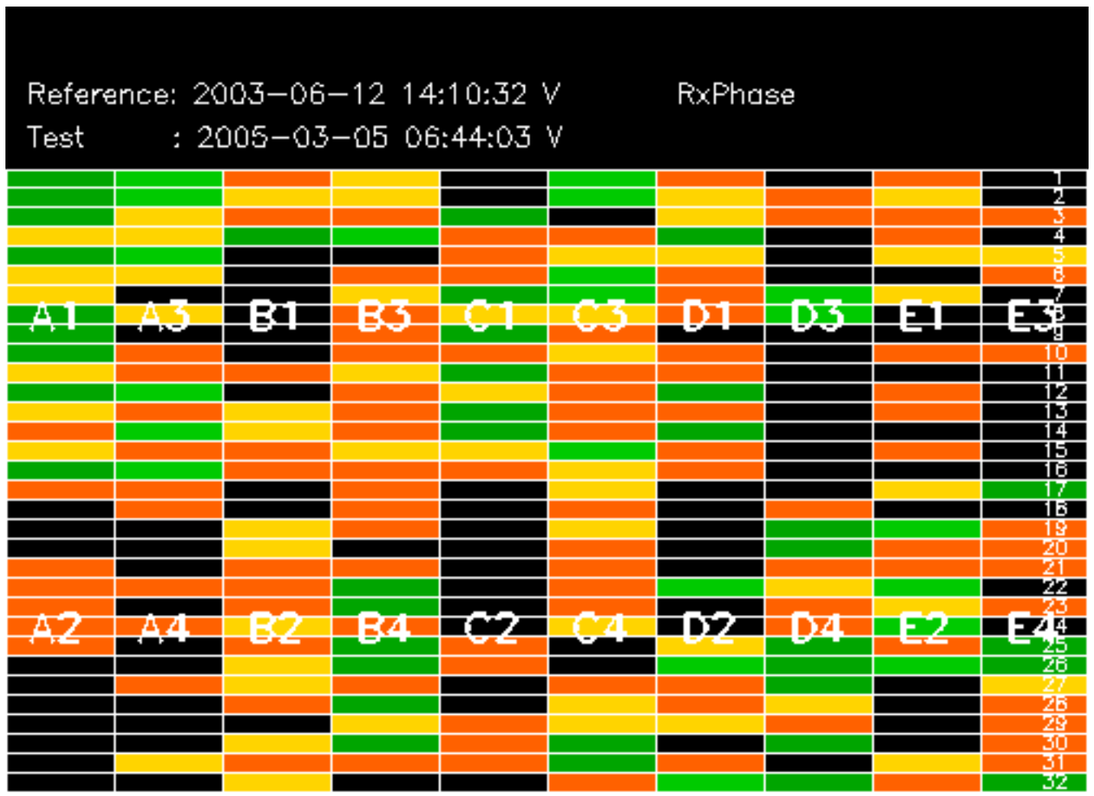
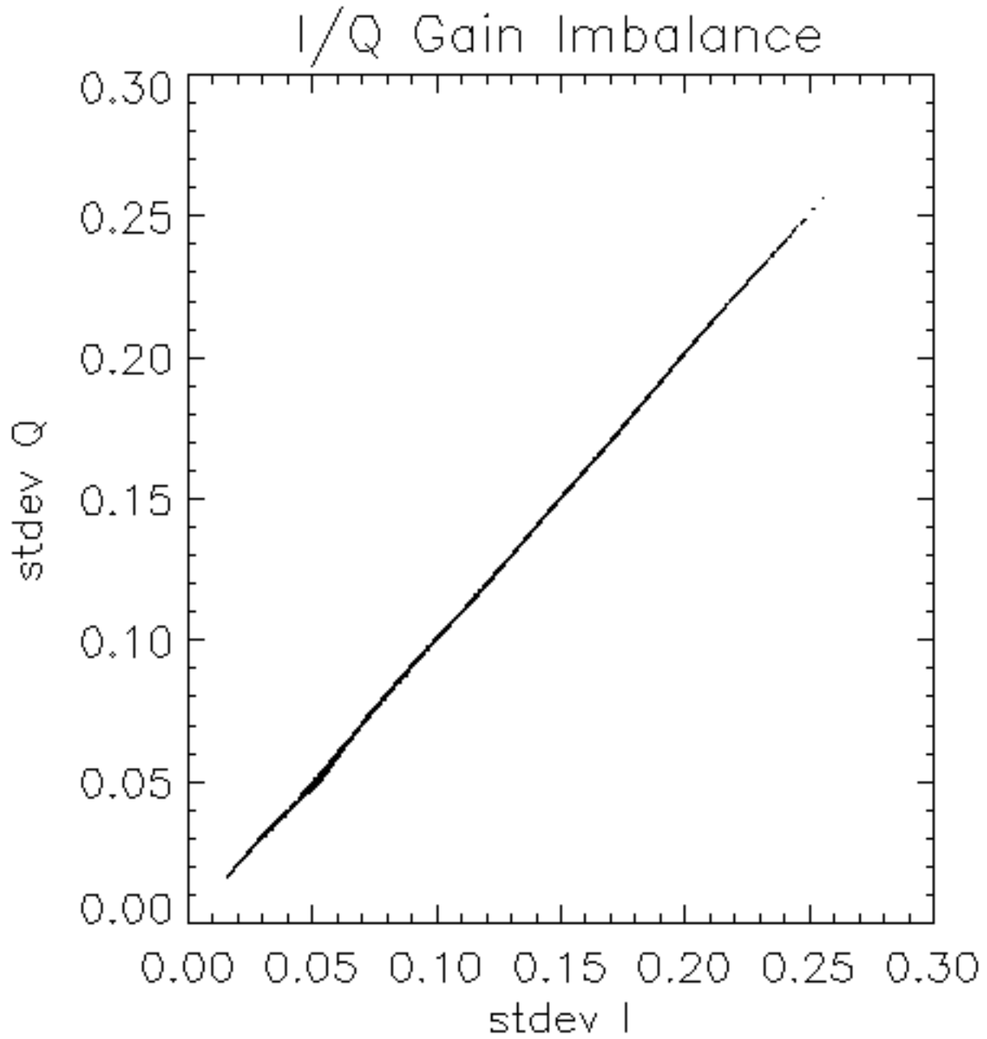
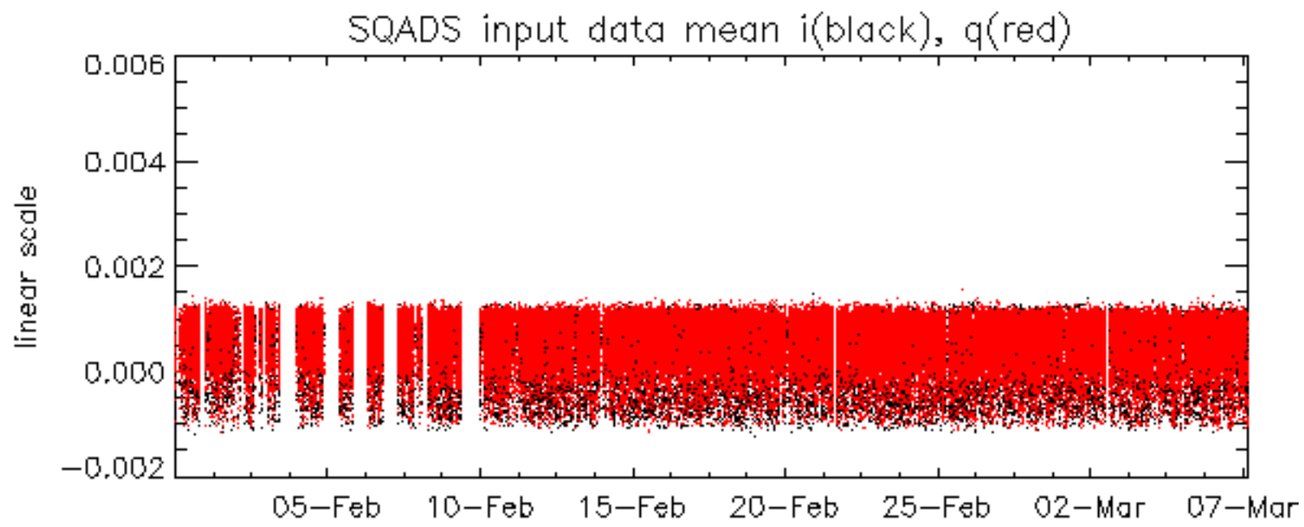
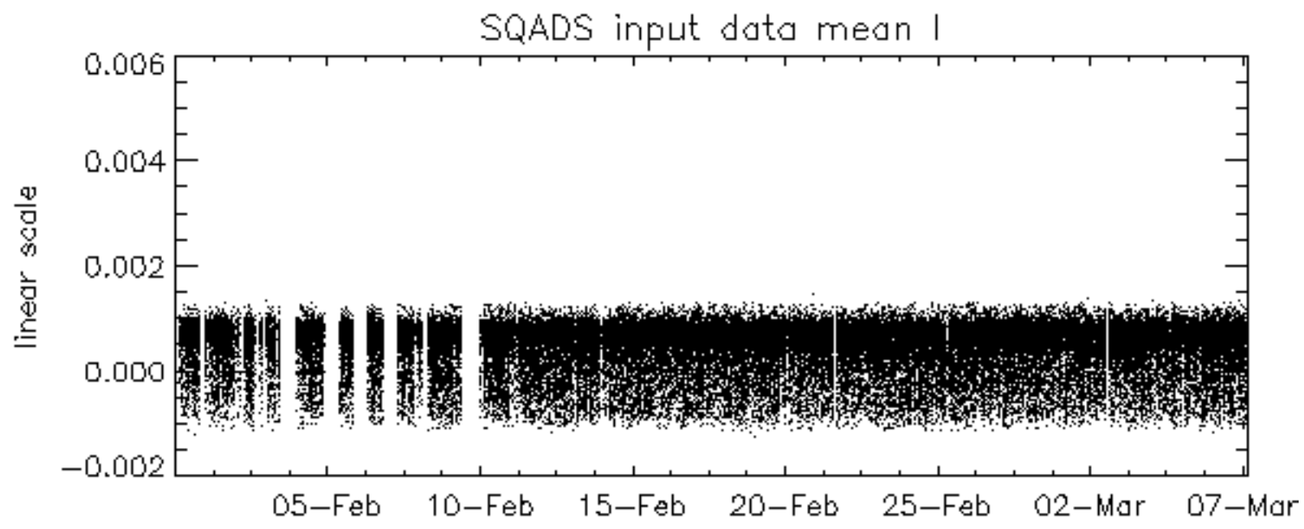
30
31
32

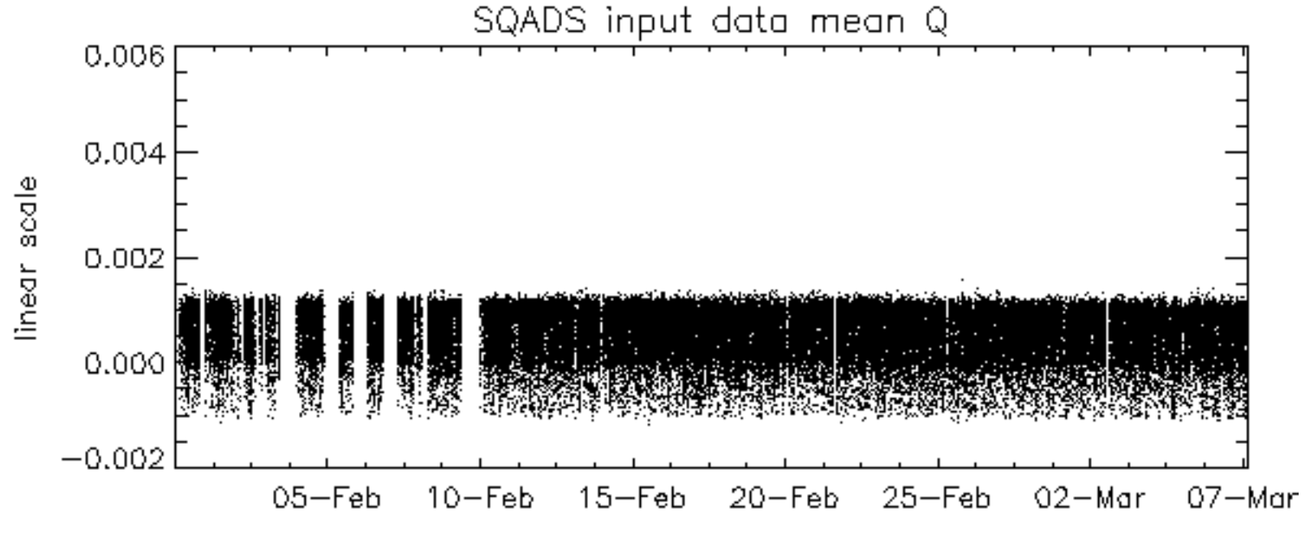

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2005-03-05 06:44:03 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

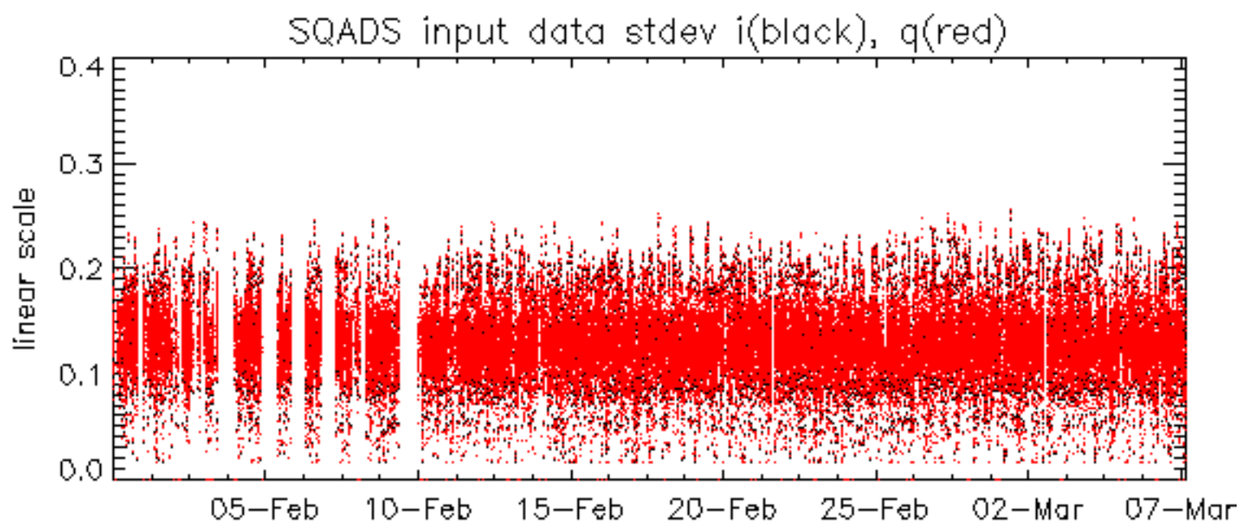

Reference: 2003-06-12 14:10:32 V
Test : 2005-03-05 06:44:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

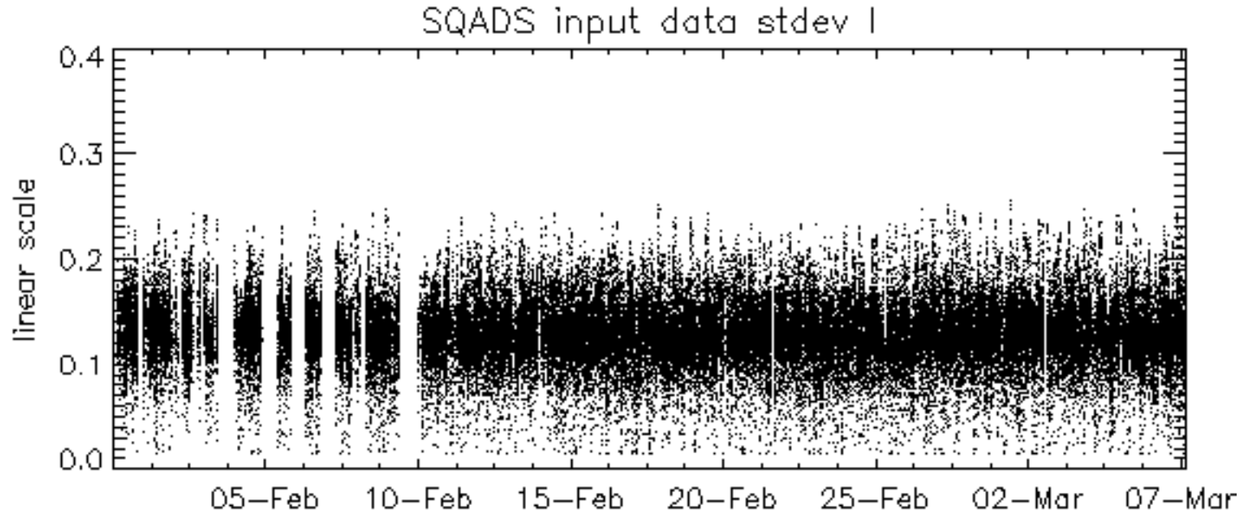

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

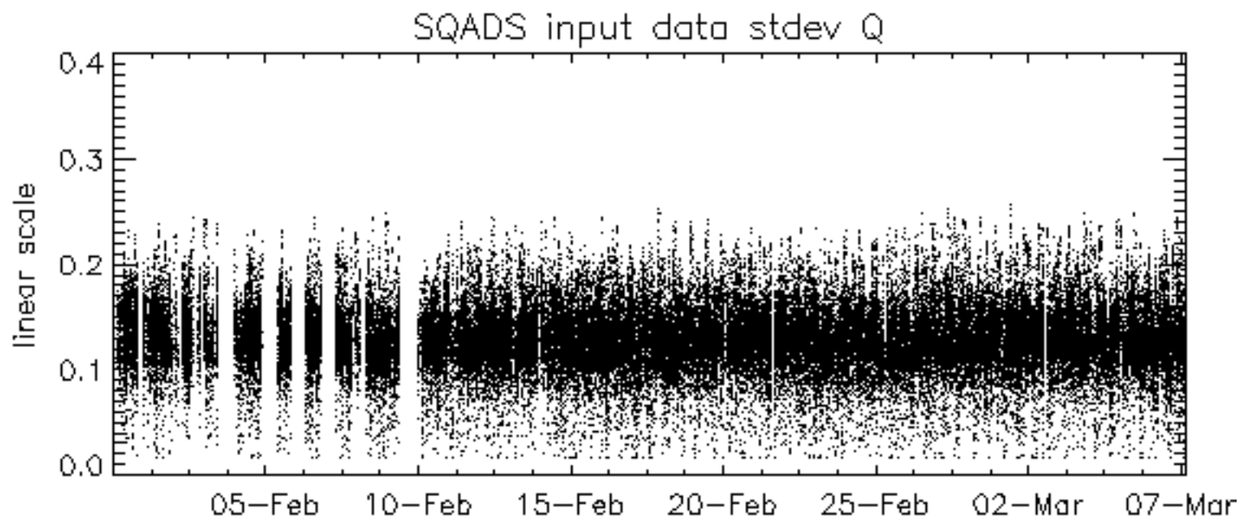

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar

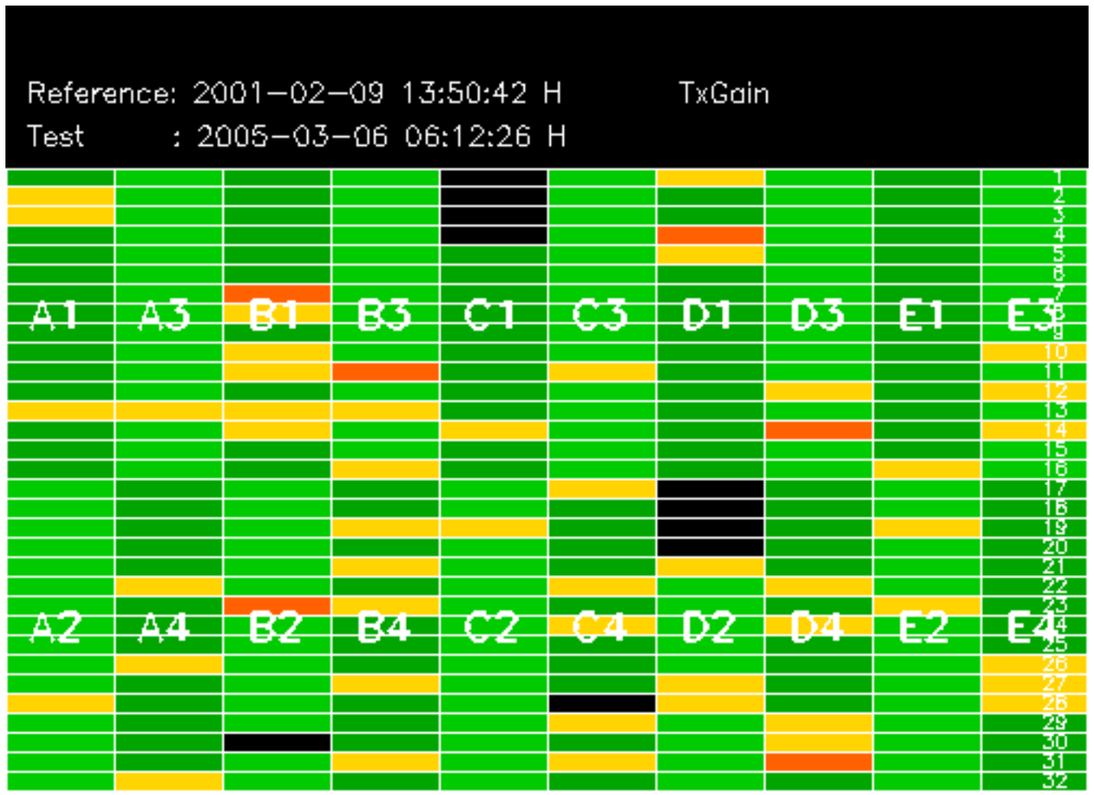

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar

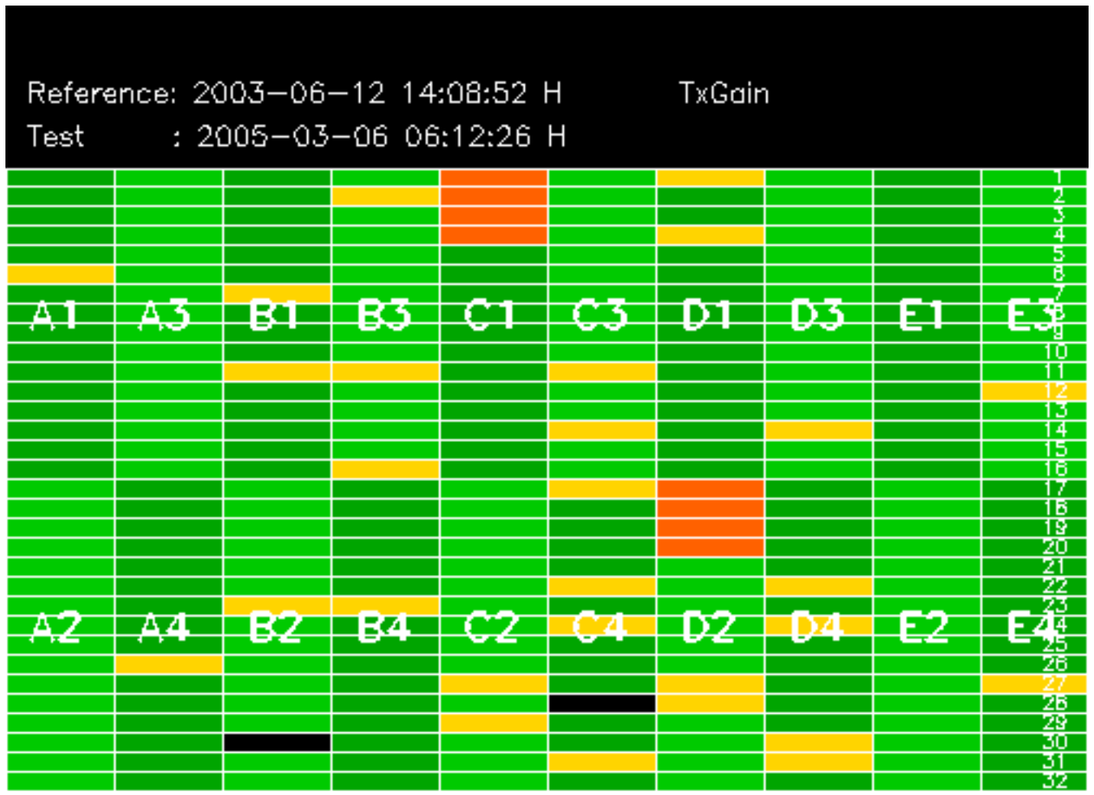

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
02−Mar
07−Mar


Reference: 2001-02-09 13:50:42 H
Test : 2005-03-06 06:12:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-06 06:12:26 H
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
5
6
7
8
9
10
11
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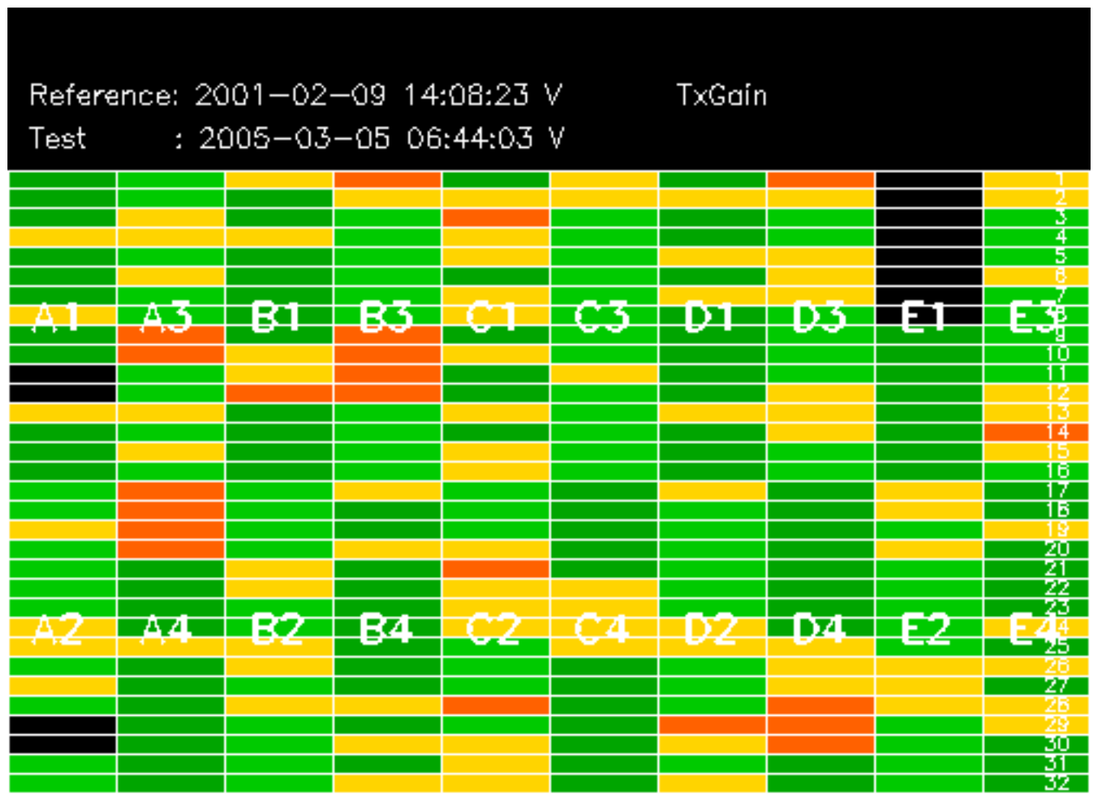
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
TxGain
Test : 2005-03-05 06:44:03 V
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
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8
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14
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16
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19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2003-06-12 14:10:32 V
Test : 2005-03-05 06:44:03 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
10
11
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27
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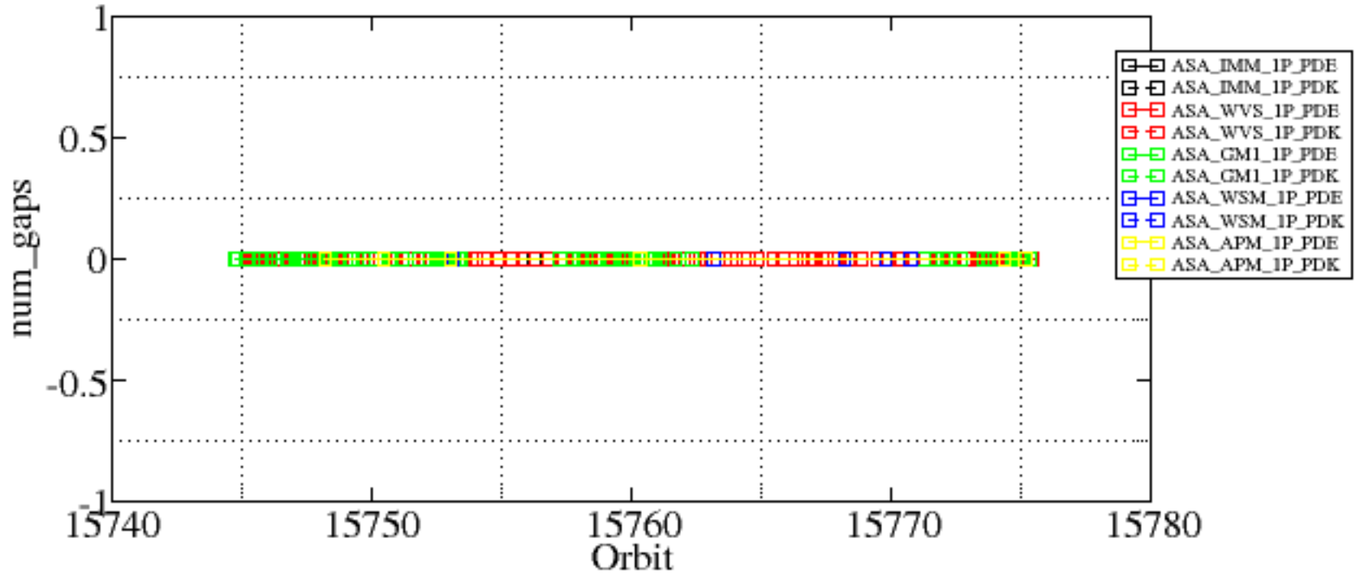
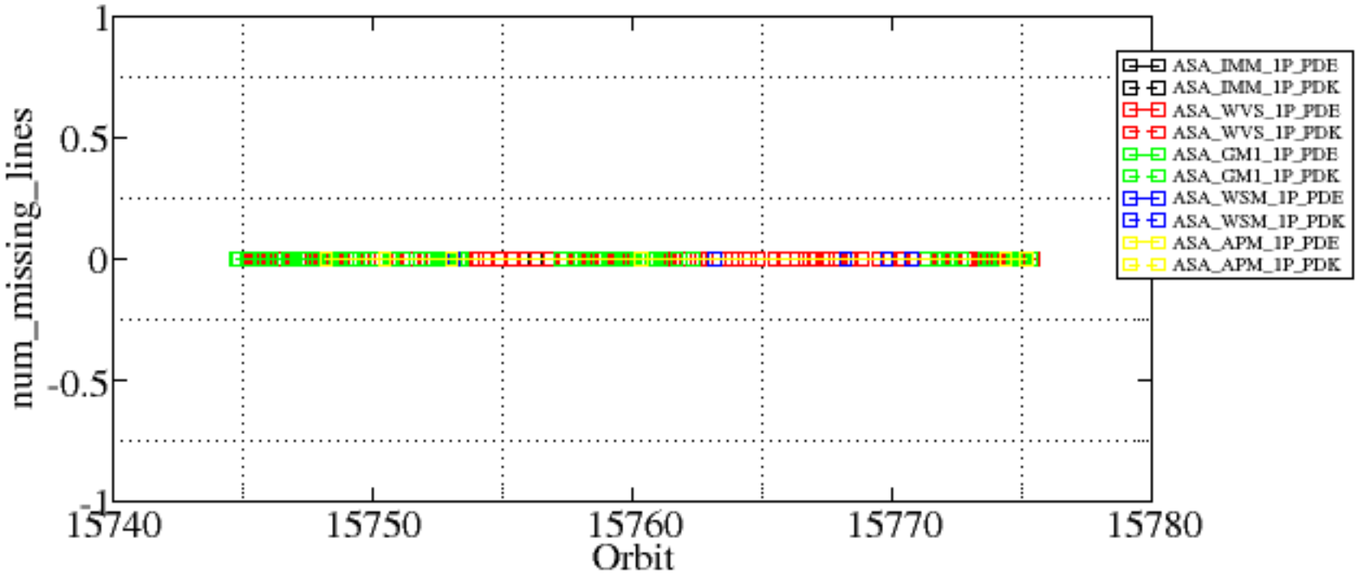
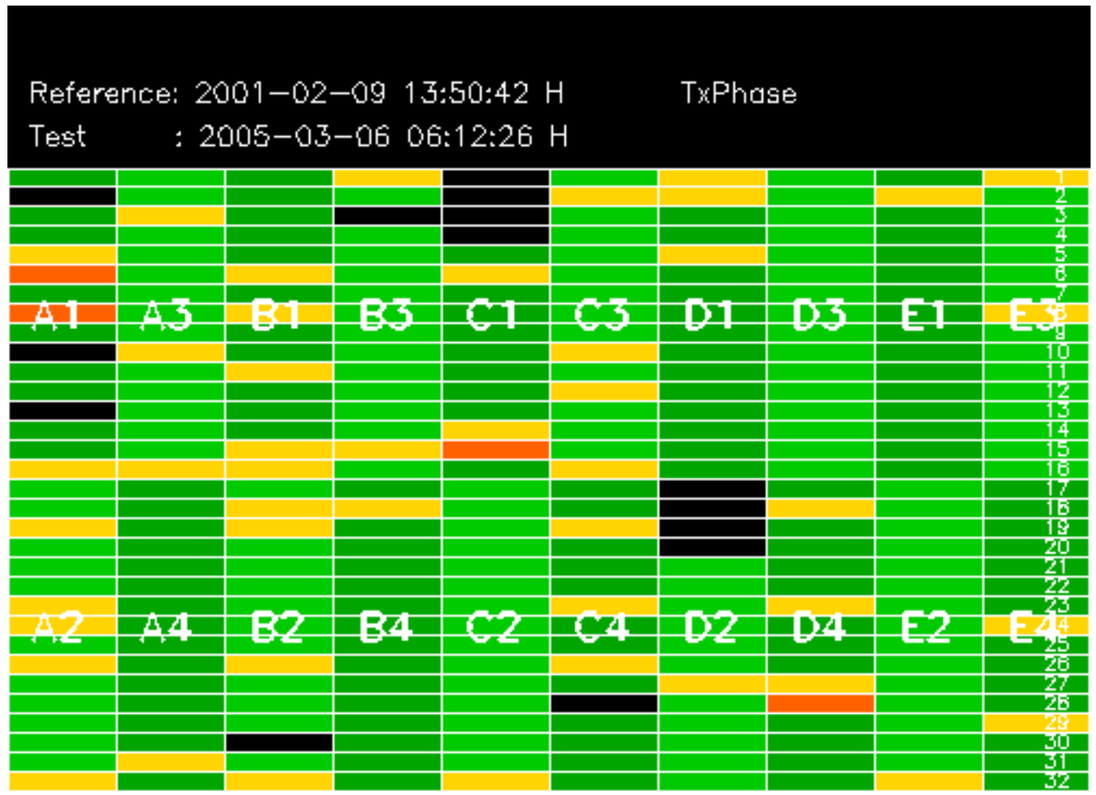
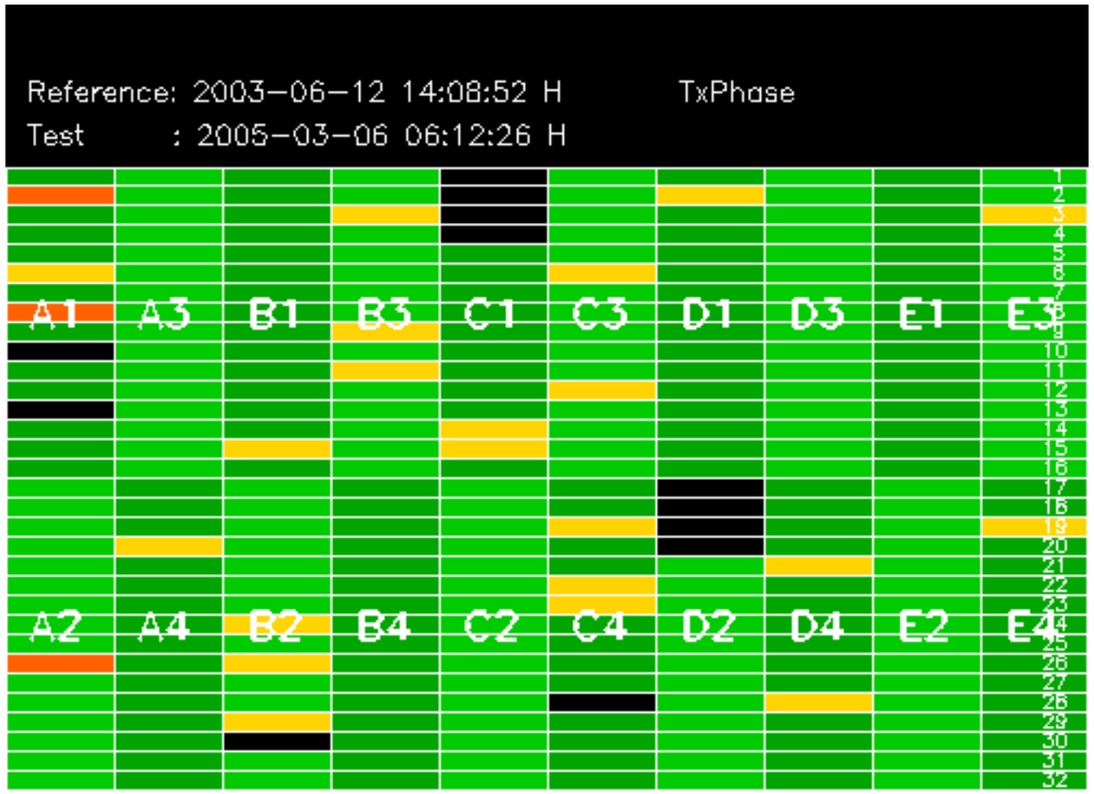
31
32

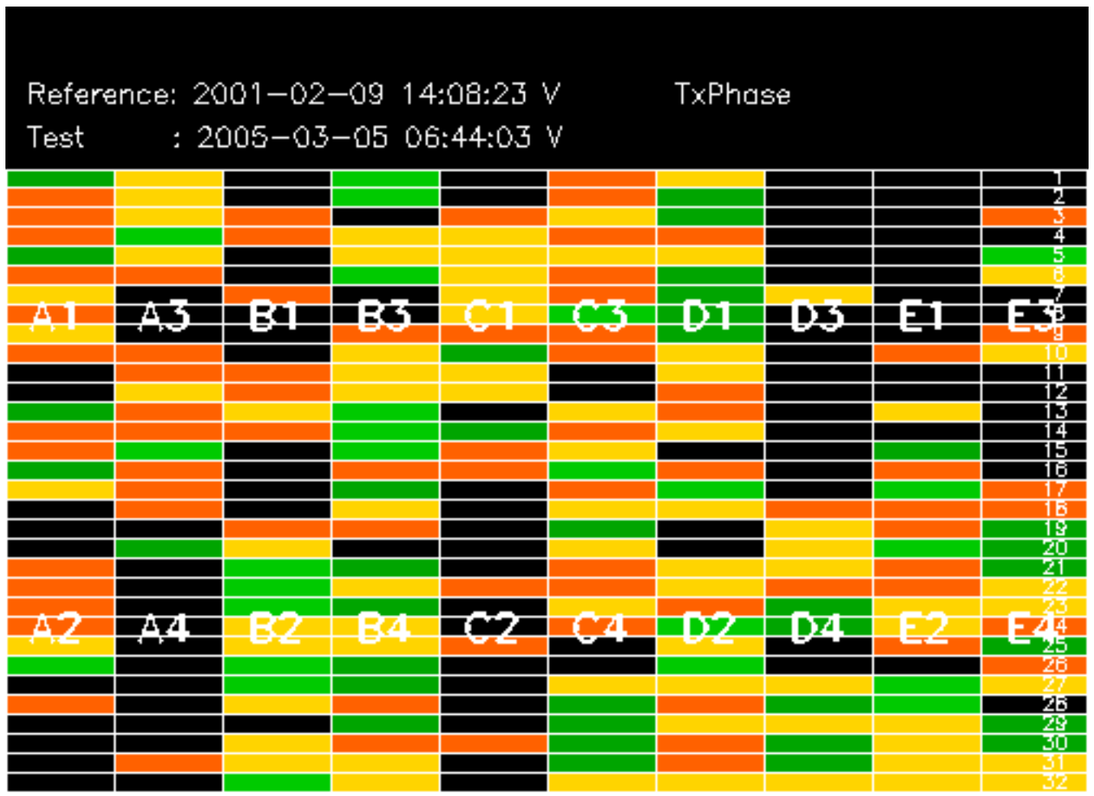
Summary of analysis for the last 3 days 2005030[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
</table><br><br><br>

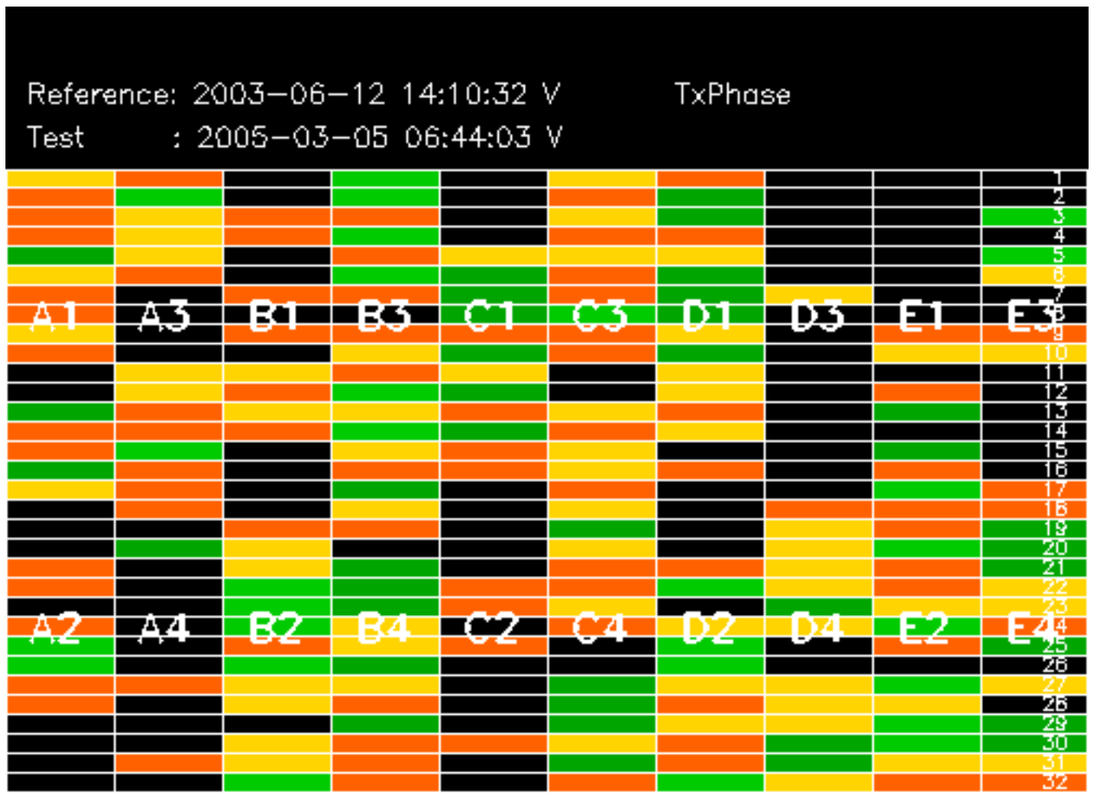

num_gaps
1
0.5
0
-0.5
-1
15740
15750
15760
15770
15780
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
1
0.5
0
-0.5
-1
15740
15750
15760
15770
15780
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 : 2005-03-06 06:12:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-03-06 06:12:26 H
TxPhase
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
TxPhase
Test : 2005-03-05 06:44:03 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-03-05 06:44:03 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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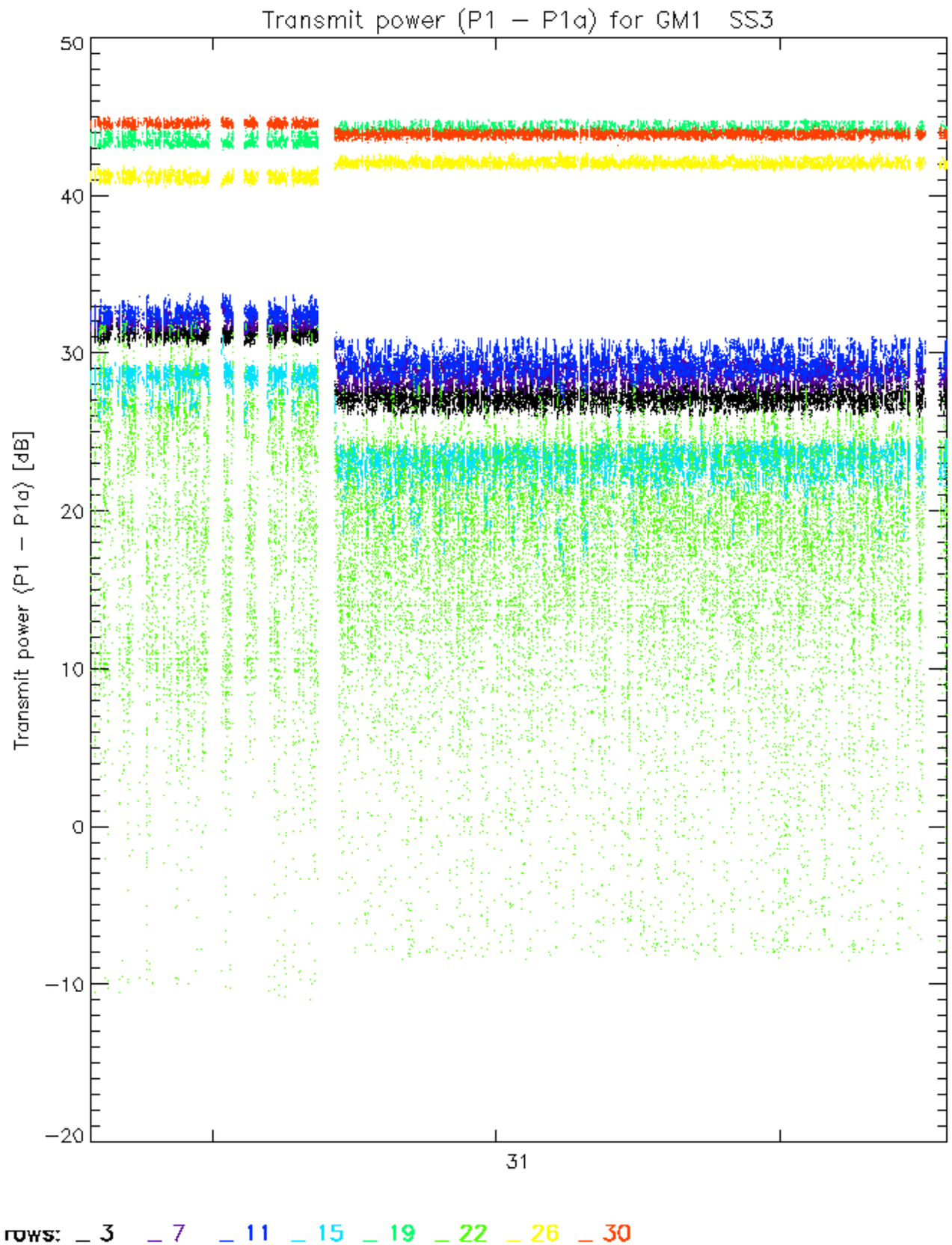
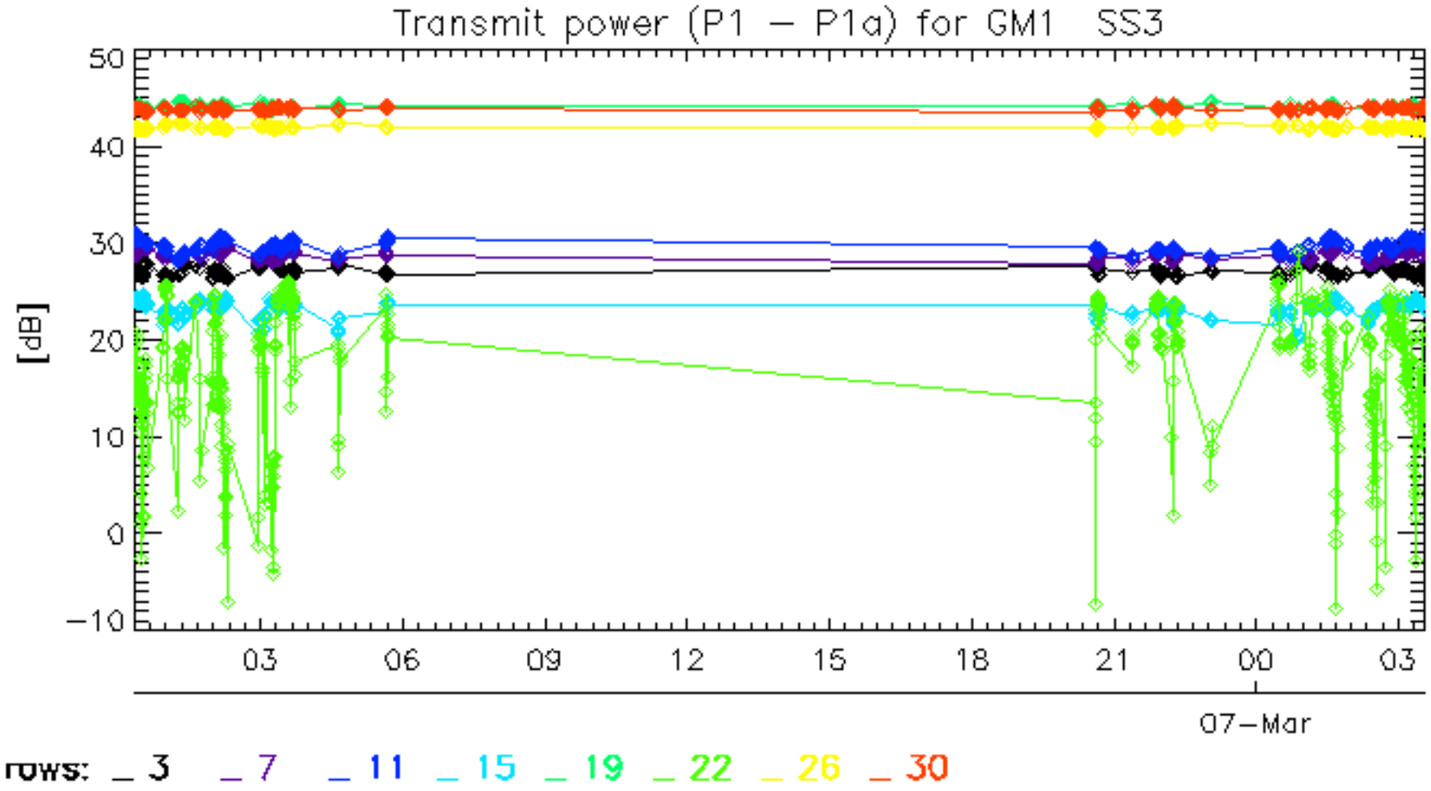
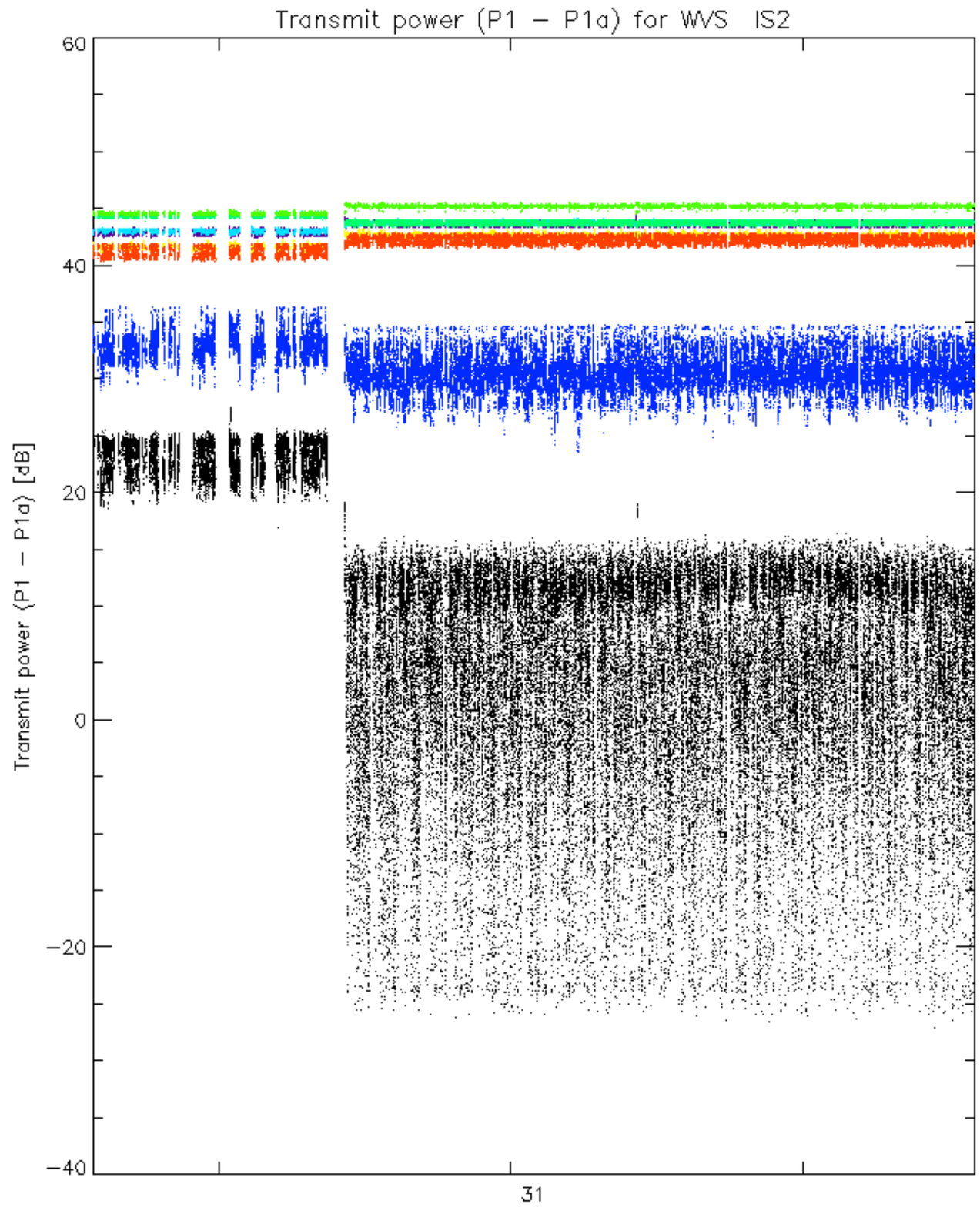
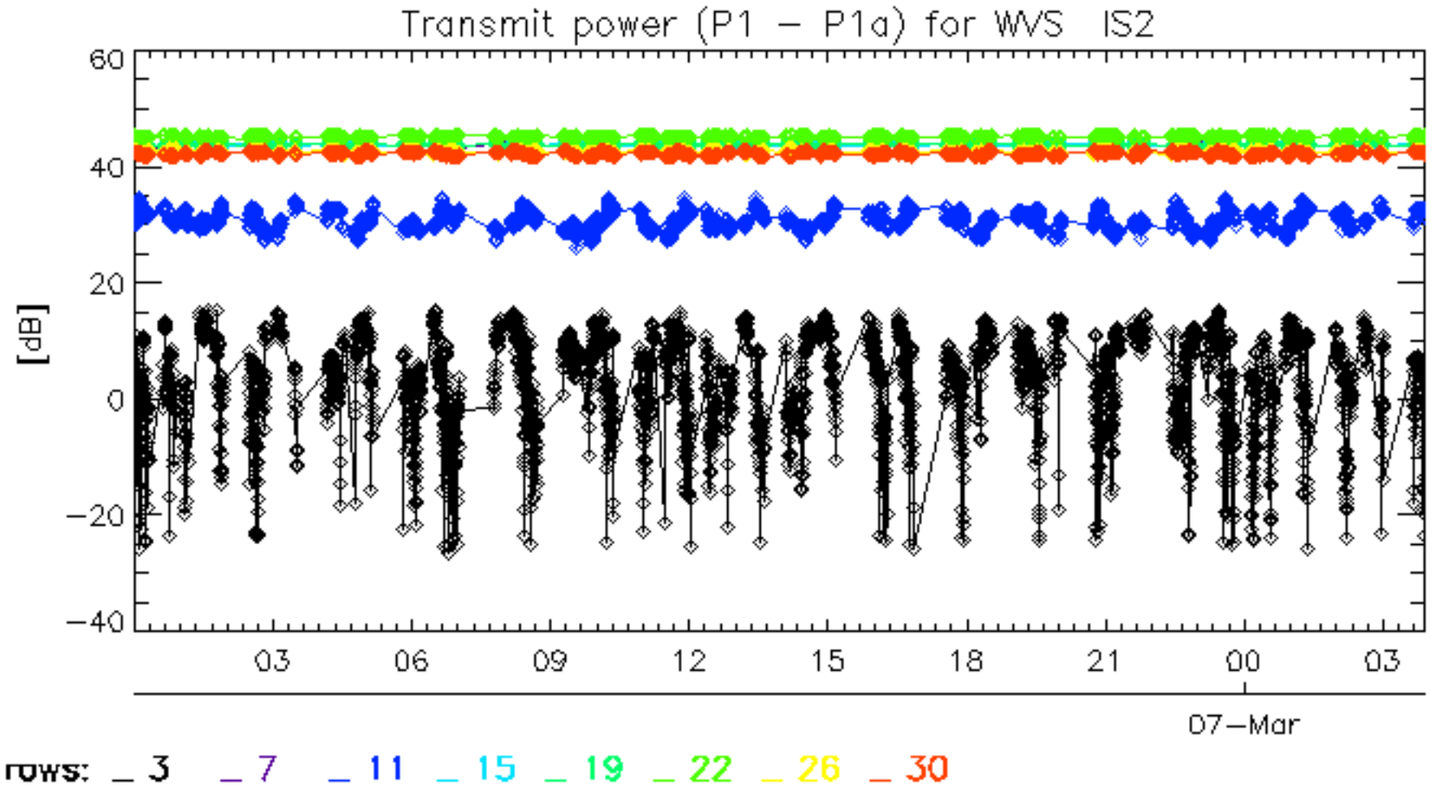

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
−20
31
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
50
40
30
20
10
0
−10
03
06
09
12
15
18
21
00
03
07–Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
60
40
20
0
−20
−40
31
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
60
40
20
0
−20
−40
[dB]
03
06
09
12
15
18
21
00
03
07–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.