# PRELIMINARY REPORT OF 050725

### last update on Mon Jul 25 10:58:49 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 2005-07-24 00:00:00 to 2005-07-25 10:58:49**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 27 | 56 | 13 | 6 | 0 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 27 | 56 | 13 | 6 | 0 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 27 | 56 | 13 | 6 | 0 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 27 | 56 | 13 | 6 | 0 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 40 | 52 | 25 | 9 | 46 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 40 | 52 | 25 | 9 | 46 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 40 | 52 | 25 | 9 | 46 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 40 | 52 | 25 | 9 | 46 |

### 2.3 - Browse Visual Inspection

Transition visible in WSM data

### 2.4 - Data Analysis

The cal. pulses analysis shows a drop of the Tx power (P1 and P1a) pulses of the rows of the second part of the antenna in both H and V polarisation
A detailed data analysis shows that the anomaly starts after an AP cal pulse corruption on 24-Jul-2005 02:22:42.
The anomalys has been stopped by the antenna reset described above.

## 3 - Module Stepping Mode

No anomalies observed on available MS products:

| Polarisation | Start Time |
|---|---|
| V | 20050723 064410 |
| H | 20050724 061233 |

**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 | -3.319663 | 0.006557 | 0.023863 |
| 7 | P1 | -3.137342 | 0.015032 | 0.005829 |
| 11 | P1 | -4.683105 | 0.032402 | -0.057235 |
| 15 | P1 | -5.551714 | 0.047157 | -0.047884 |
| 19 | P1 | -3.789241 | 0.045741 | -0.013710 |
| 22 | P1 | -4.634394 | 0.140997 | -0.131361 |
| 26 | P1 | -4.868268 | 0.163504 | -0.095953 |
| 30 | P1 | -7.235230 | 0.250346 | -0.170191 |
| 3 | P1 | -15.571338 | 0.080056 | 0.006938 |
| 7 | P1 | -15.532049 | 0.106990 | 0.061058 |
| 11 | P1 | -21.614561 | 0.255203 | -0.243333 |
| 15 | P1 | -11.292890 | 0.042766 | 0.003037 |
| 19 | P1 | -14.493547 | 0.260319 | -0.007488 |
| 22 | P1 | -15.776140 | 0.359321 | 0.163743 |
| 26 | P1 | -17.468109 | 0.247605 | 0.276747 |
| 30 | P1 | -17.731514 | 0.491221 | 0.184819 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.872780 | 0.082841 | 0.098296 |
| 7 | P2 | -22.045015 | 0.105024 | 0.154884 |
| 11 | P2 | -13.699734 | 0.105919 | 0.253615 |
| 15 | P2 | -7.094531 | 0.093379 | 0.066639 |
| 19 | P2 | -9.596631 | 0.094345 | 0.027644 |
| 22 | P2 | -16.855961 | 0.095057 | 0.026694 |
| 26 | P2 | -16.506187 | 0.097443 | 0.016755 |
| 30 | P2 | -18.790369 | 0.084233 | 0.003371 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 7 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 11 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 15 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 19 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 22 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 26 | P3 | -8.157877 | 0.002740 | 0.012820 |
| 30 | P3 | -8.157877 | 0.002740 | 0.012820 |

**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 | -2.783385 | 0.013731 | 0.020760 |
| 7 | P1 | -2.951985 | 0.031601 | 0.015157 |
| 11 | P1 | -3.994409 | 0.016908 | -0.024639 |
| 15 | P1 | -3.566576 | 0.023410 | -0.048926 |
| 19 | P1 | -3.667843 | 0.116212 | 0.044673 |
| 22 | P1 | -5.692791 | 0.164336 | -0.097700 |
| 26 | P1 | -7.410694 | 0.330147 | -0.177463 |
| 30 | P1 | -6.334857 | 0.148165 | -0.106588 |
| 3 | P1 | -10.824469 | 0.039311 | 0.015022 |
| 7 | P1 | -10.445059 | 0.155926 | -0.011016 |
| 11 | P1 | -12.610454 | 0.110209 | -0.071339 |
| 15 | P1 | -11.617349 | 0.073475 | 0.027101 |
| 19 | P1 | -15.660305 | 1.344271 | 0.199276 |
| 22 | P1 | -25.756834 | 3.913811 | 0.682673 |

| | | | | |
|---|---|---|---|---|
| 26 | P1 | -15.399713 | 0.448988 | 0.256325 |
| 30 | P1 | -20.110622 | 1.327078 | 0.323441 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.618950 | 0.046548 | 0.117283 |
| 7 | P2 | -22.054564 | 0.040466 | 0.068813 |
| 11 | P2 | -9.709690 | 0.061736 | 0.181363 |
| 15 | P2 | -5.124719 | 0.046510 | 0.029070 |
| 19 | P2 | -6.903906 | 0.063394 | 0.021729 |
| 22 | P2 | -7.082968 | 0.039560 | 0.043211 |
| 26 | P2 | -23.967180 | 0.043474 | -0.010589 |
| 30 | P2 | -21.955097 | 0.042842 | 0.027058 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -7.998011 | 0.004149 | 0.003472 |
| 7 | P3 | -7.997938 | 0.004142 | 0.003649 |
| 11 | P3 | -7.997932 | 0.004142 | 0.003917 |
| 15 | P3 | -7.998053 | 0.004147 | 0.003604 |
| 19 | P3 | -7.998030 | 0.004152 | 0.003572 |
| 22 | P3 | -7.998065 | 0.004132 | 0.003479 |
| 26 | P3 | -7.998027 | 0.004136 | 0.003728 |
| 30 | P3 | -7.997997 | 0.004138 | 0.003811 |

## 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 | 0.000472661 |
| | stdev | 2.13424e-07 |
| MEAN Q | mean | 0.000502951 |
| | stdev | 2.31605e-07 |

## 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.128318 |
| | stdev | 0.000996558 |
| STDEV Q | mean | 0.128563 |
| | stdev | 0.00100752 |

## 5.3 - Gain imbalance I/Q

# 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005072[345]
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_1PNPDE20050724_004103_000000622039_00174_17763_0522.N1 | 1 | 0 |
| ASA_WVS_1PNPDE20050723_221009_000000002039_00172_17761_0150.N1 | 1 | 0 |
| ASA_WSM_1PNPDE20050723_012128_000000672039_00160_17749_0739.N1 | 0 | 69 |
| ASA_WSM_1PNPDE20050724_023124_000000672039_00175_17764_0904.N1 | 0 | 8 |
| ASA_WSM_1PNPDE20050724_023126_000001282039_00175_17764_0970.N1 | 0 | 8 |

# 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

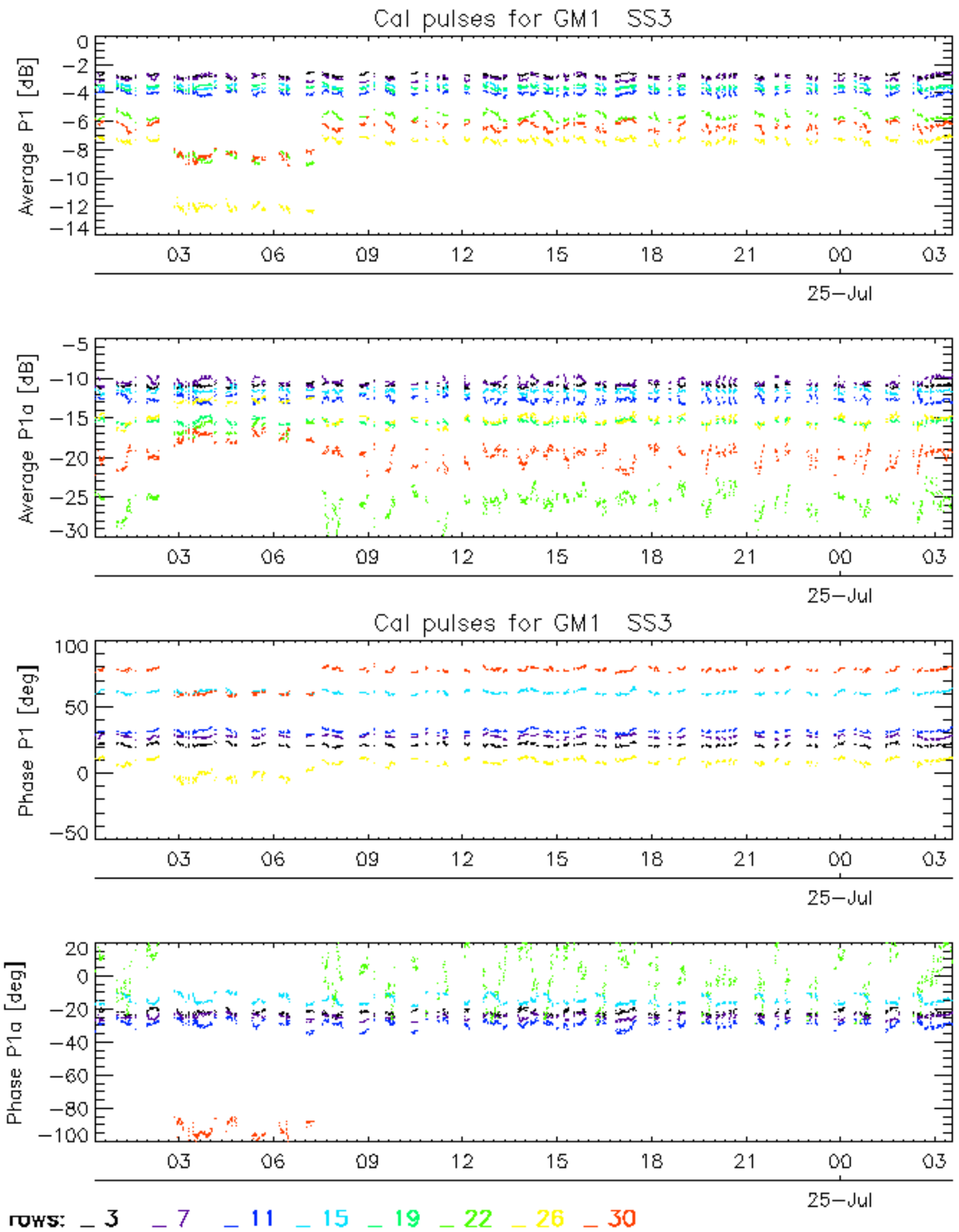
| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
|  |
| Acsending |
|  |
| Descending |

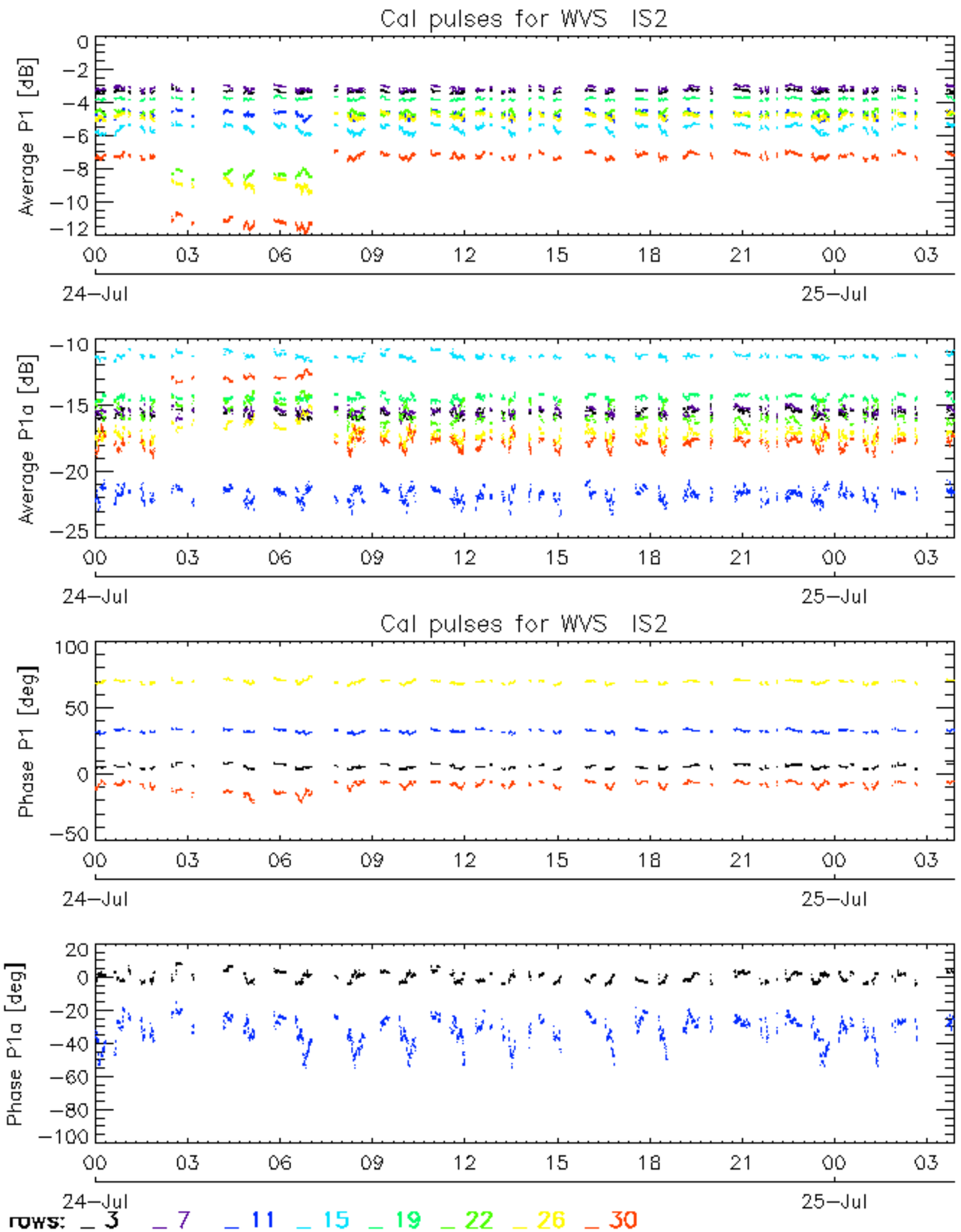
## 7.5 - Absolute Doppler for GM1

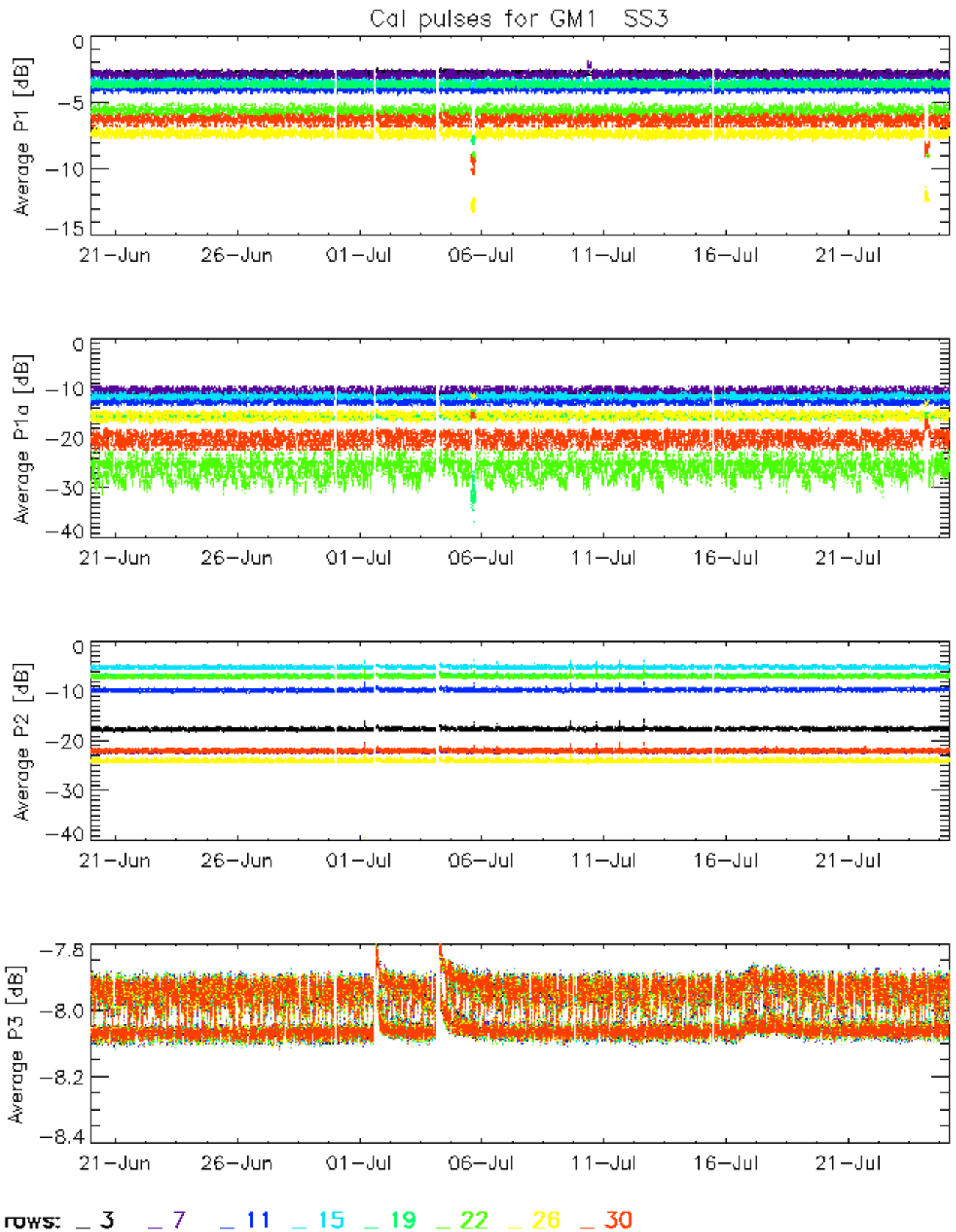
| Evolution of Absolute Doppler |
| --- |
|  |
| Acsending |
|  |
| Descending |

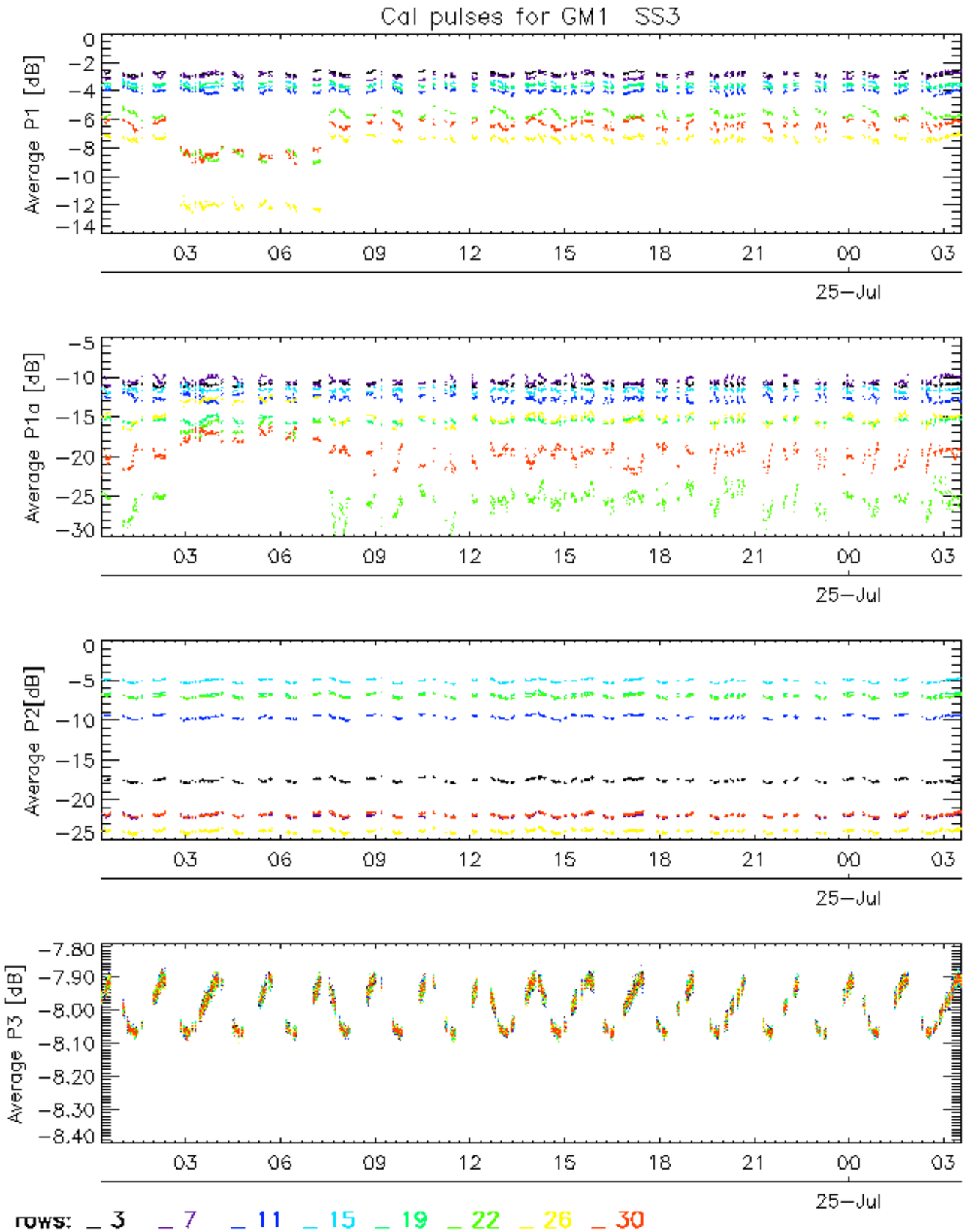
## 7.6 - Doppler evolution versus ANX for GM1

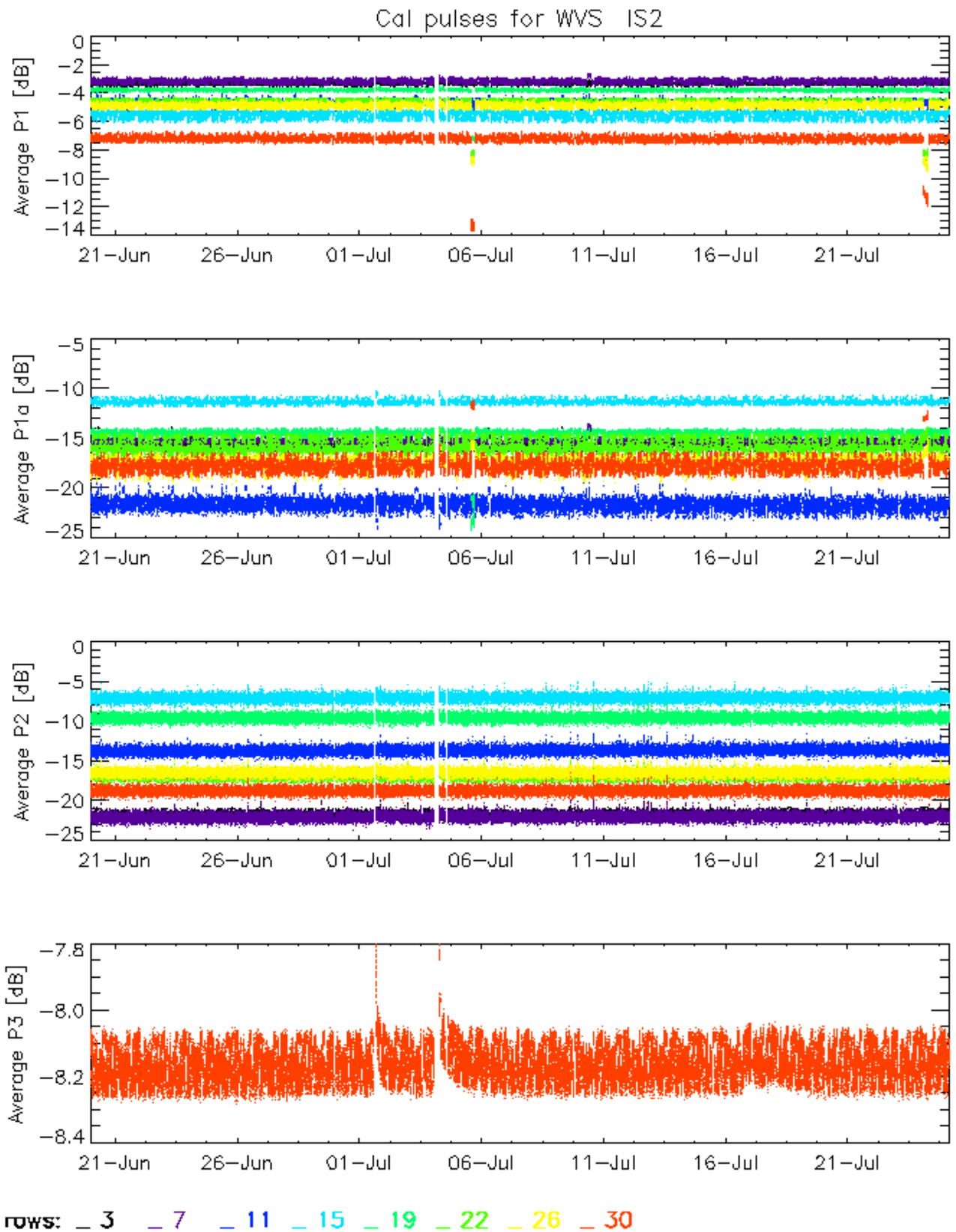
| Evolution Doppler error versus ANX |
| --- |
|  |

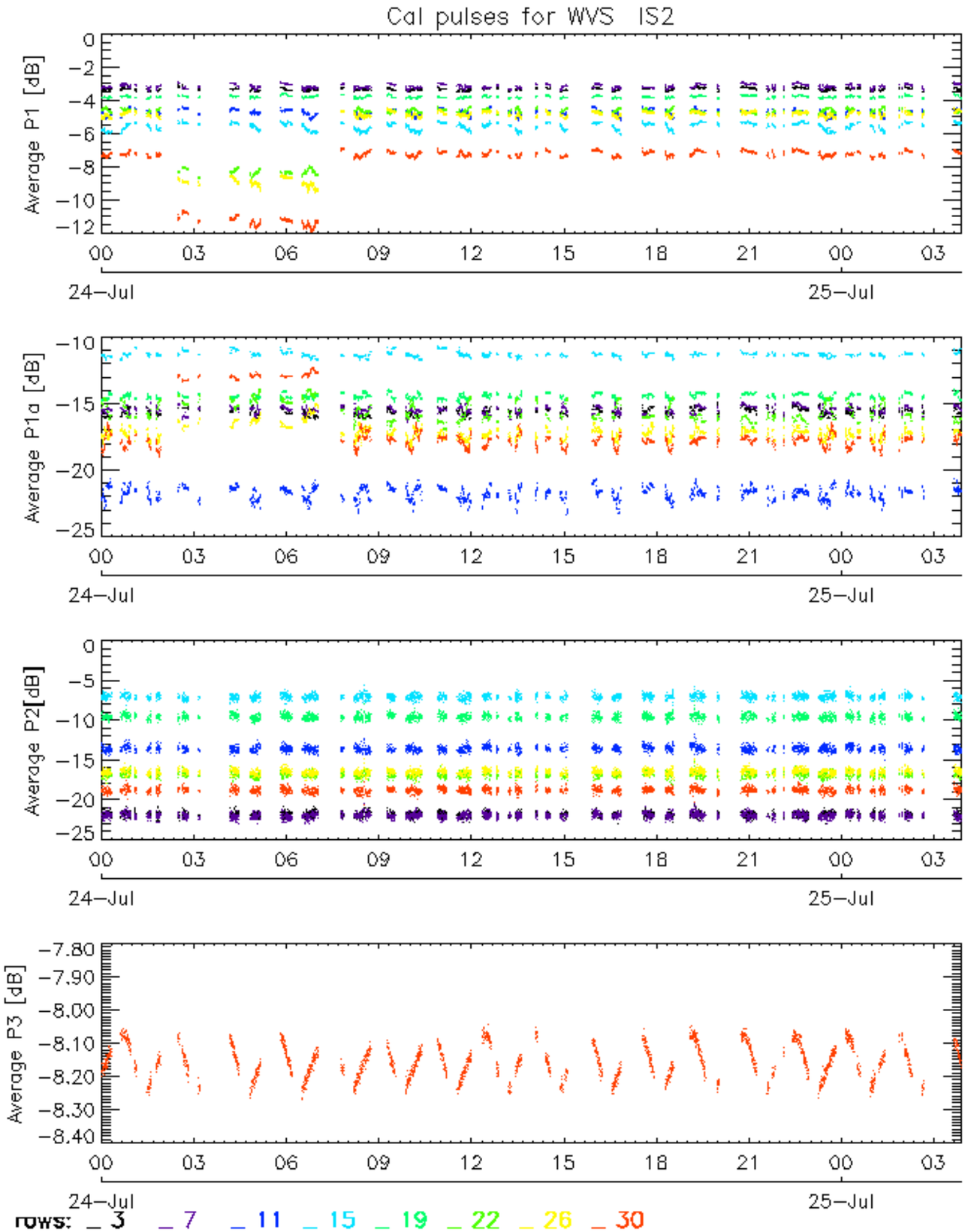

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
−14
03
06
09
12
15
18
21
00
03
25−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Cal pulses for GM1 SS3
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
00
03
06
09
12
15
18
21
00
03
24−Jul
25−Jul
Average P1a [dB]
−10
−15
−20
−25
Cal pulses for WVS IS2
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30


Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
Average P1a [dB]
0
−10
−20
−30
−40
Average P2 [dB]
0
−10
−20
−30
−40
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

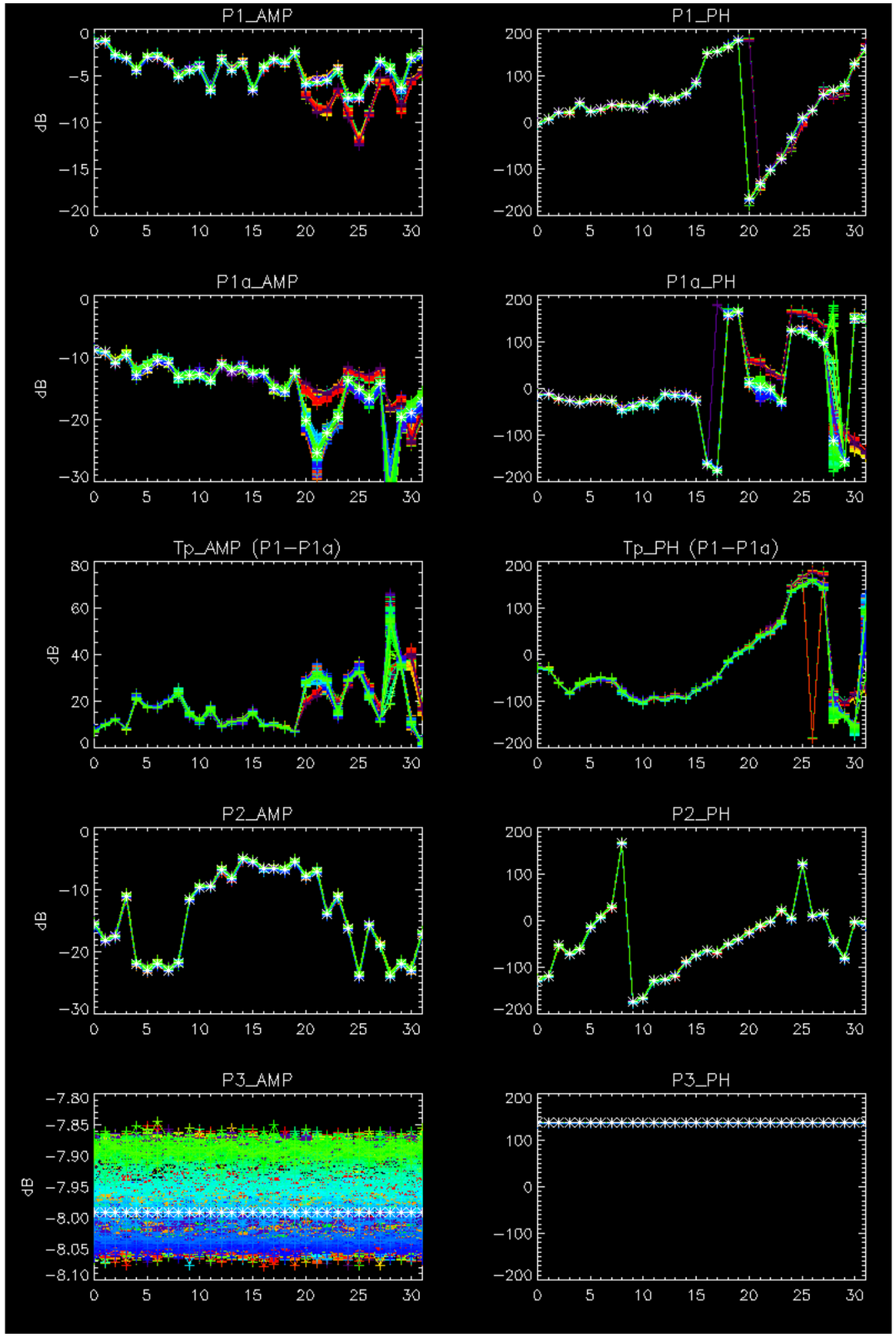

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
−14
03
06
09
12
15
18
21
00
03
25−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

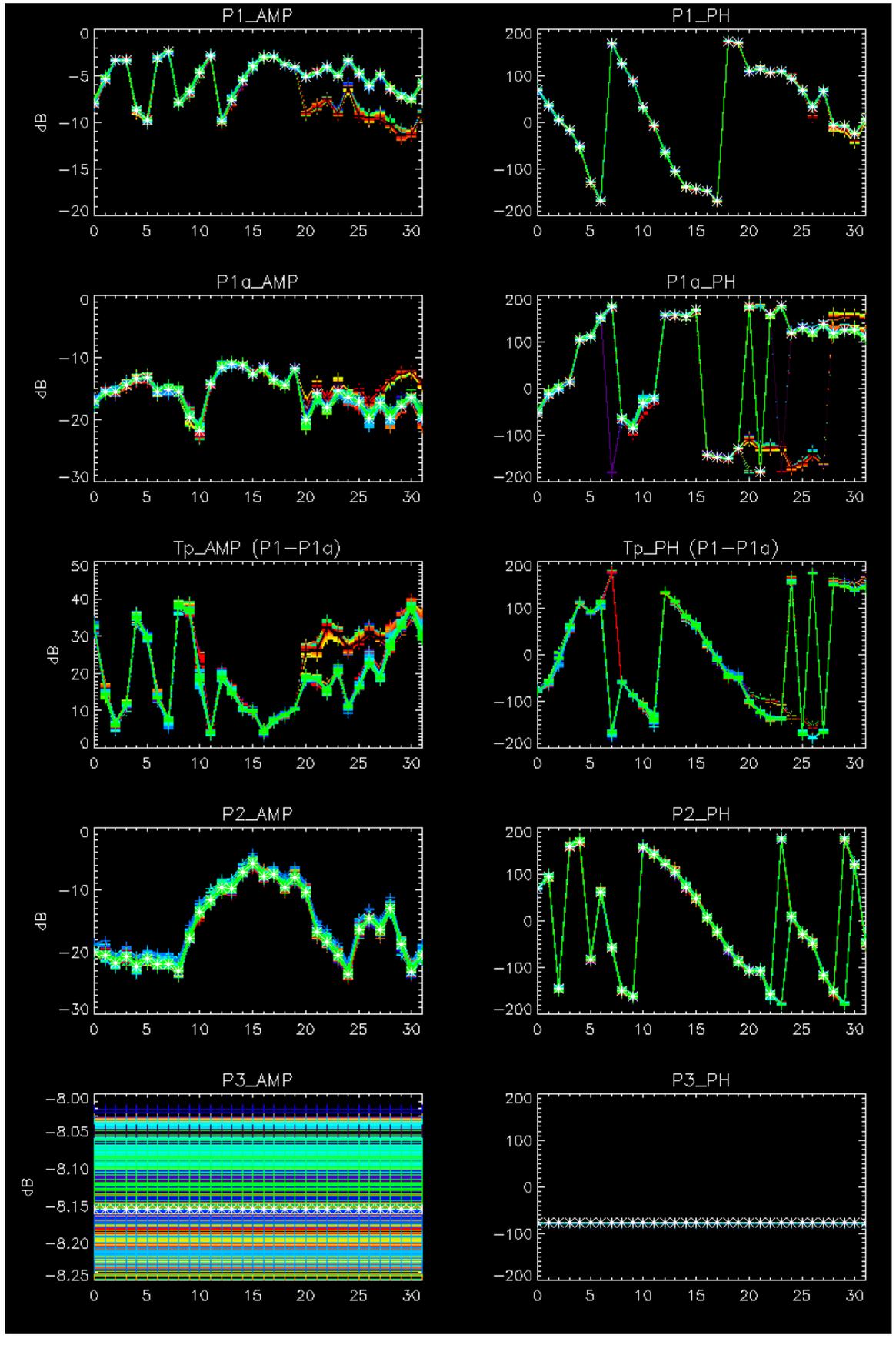

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
−14
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
00
03
06
09
12
15
18
21
00
03
24−Jul
25−Jul
Average P1a [dB]
−10
−15
−20
−25
Average P2[dB]
−5
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

Transition visible in WSM data

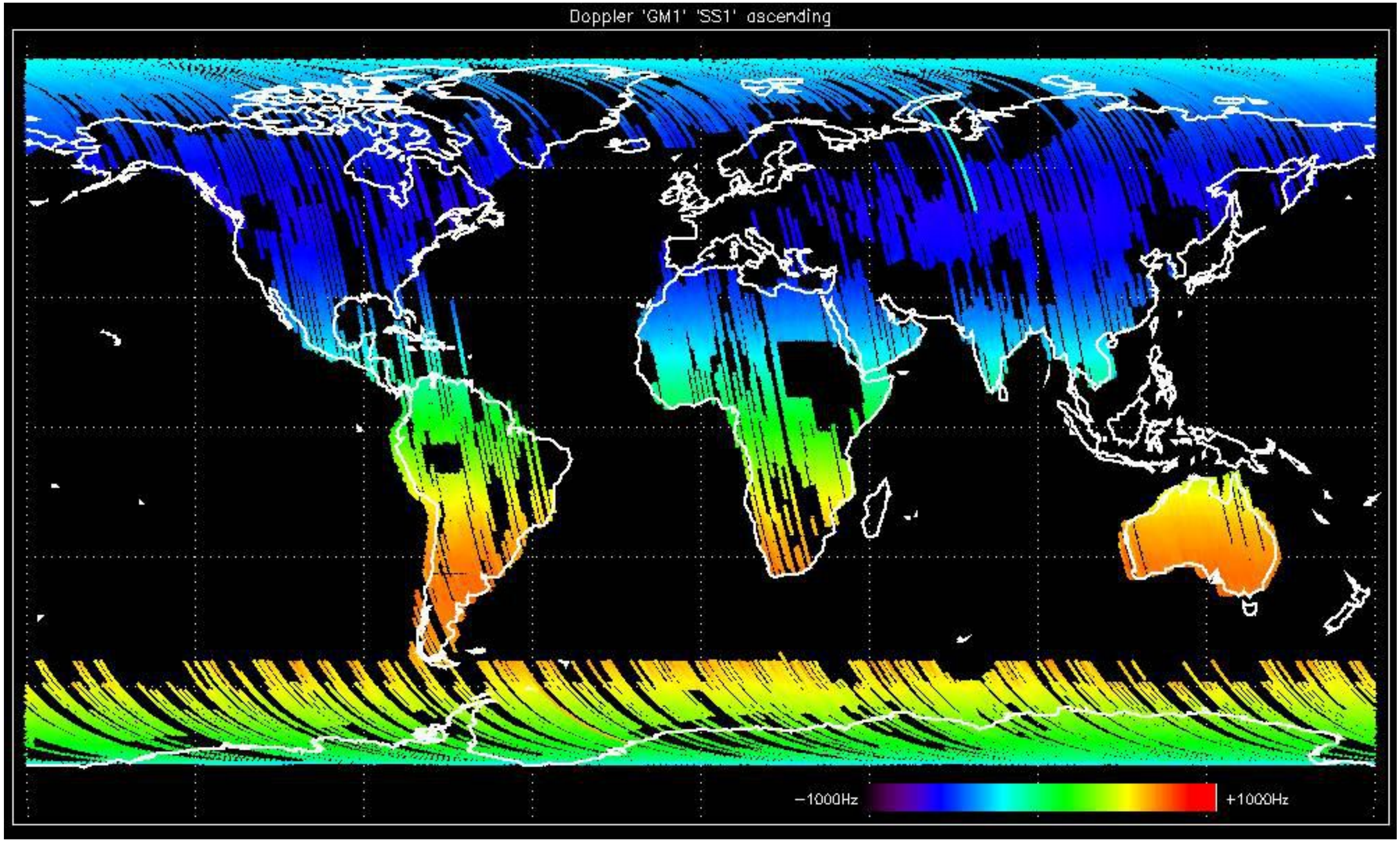
No anomalies observed.

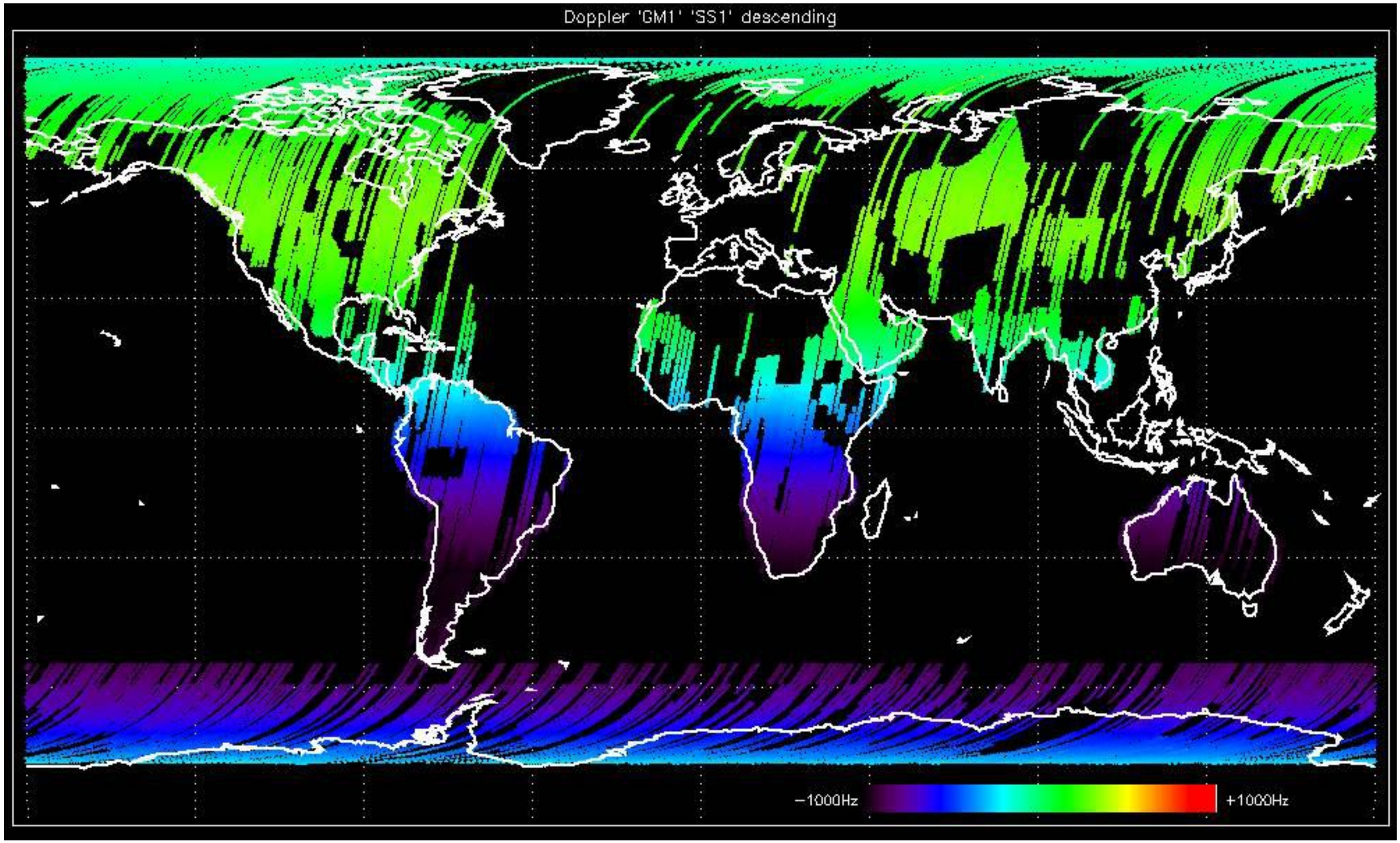

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

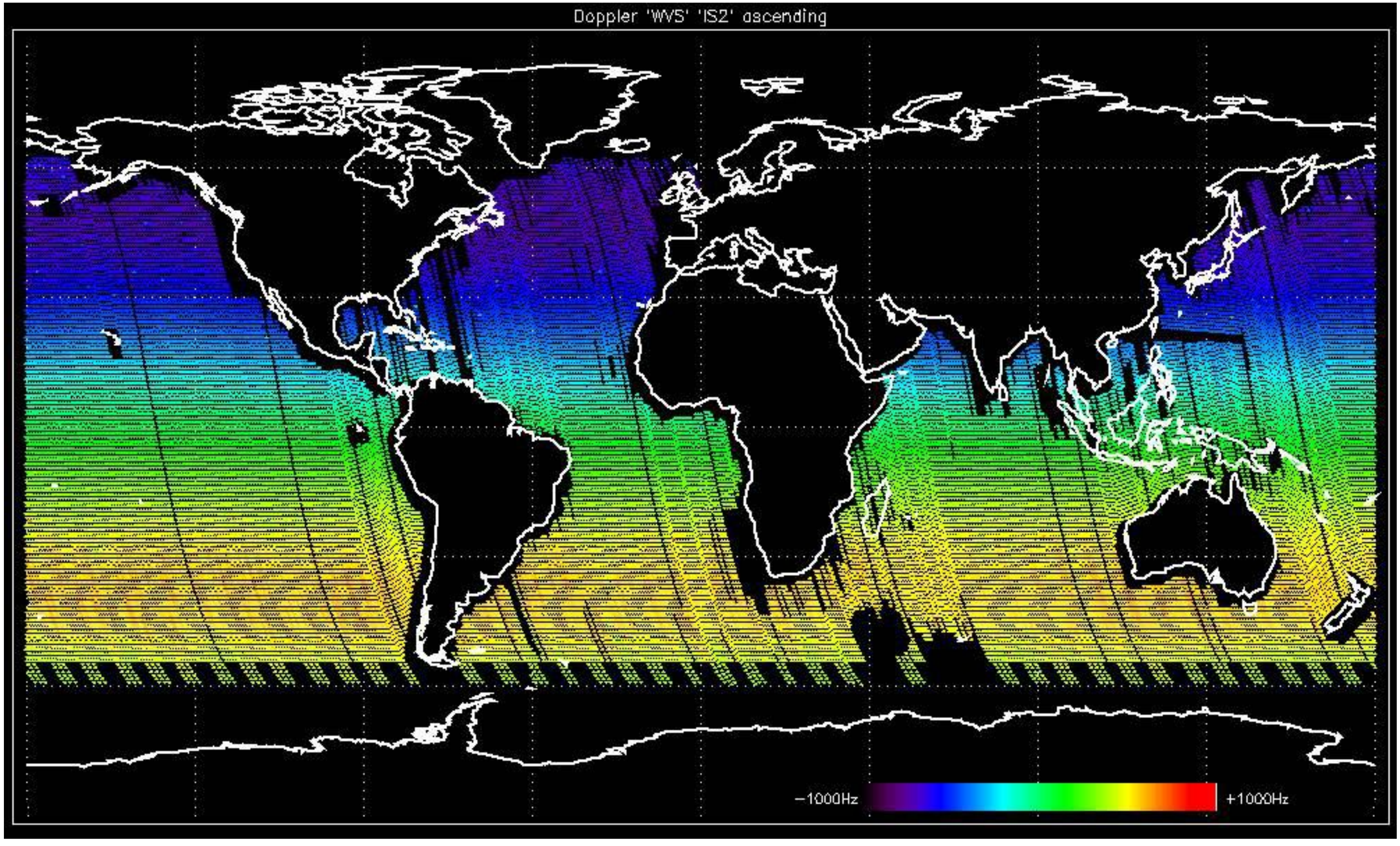

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

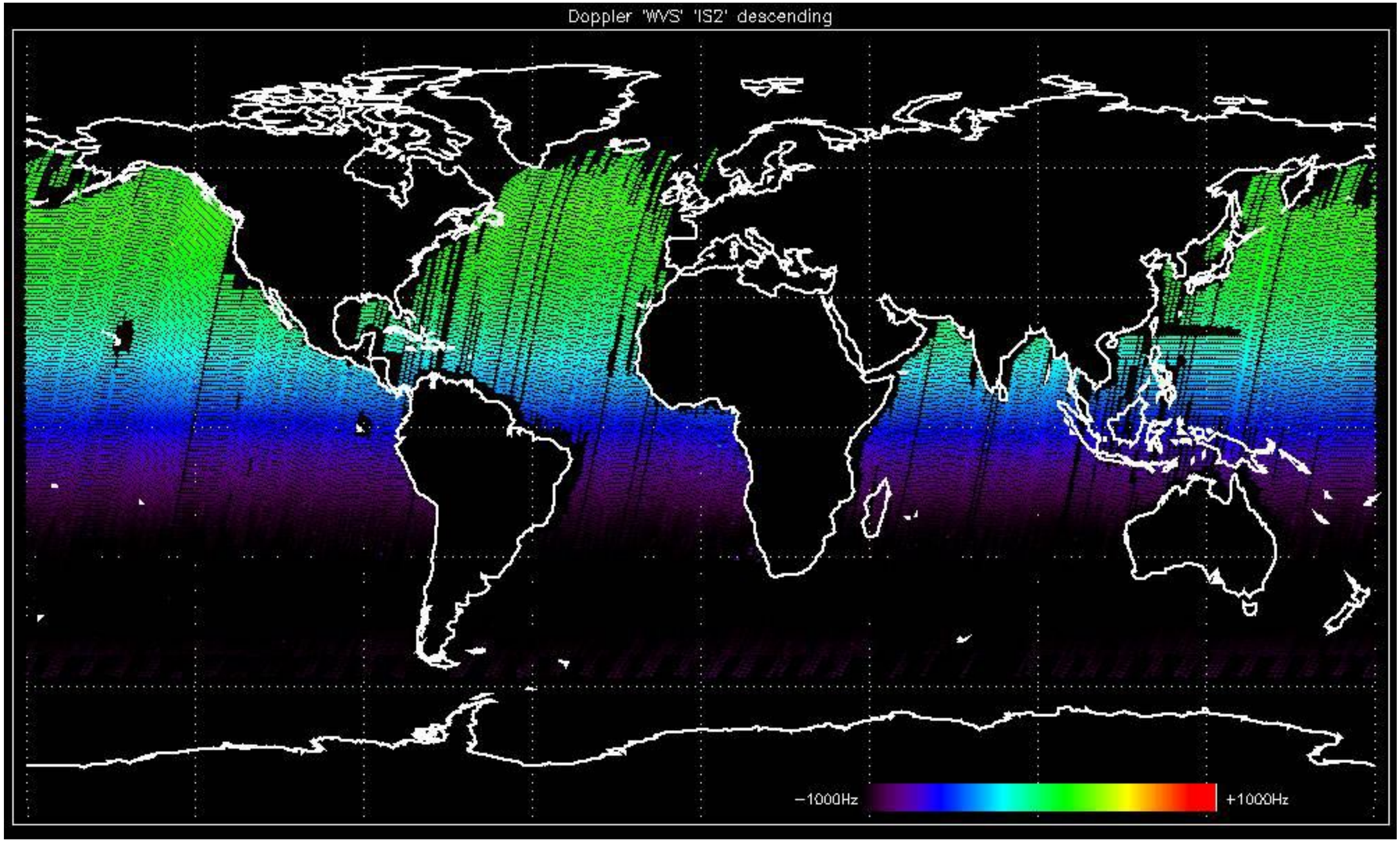
The cal. pulses analysis shows a drop of the Tx power (P1 and P1a) pulses of the rows of the second part of the antenna in both H and V polarisation
A detailed data analysis shows that the anomaly starts after an AP cal pulse corruption on 24-Jul-2005 02:22:42.
The anomalys has been stopped by the antenna reset described above.

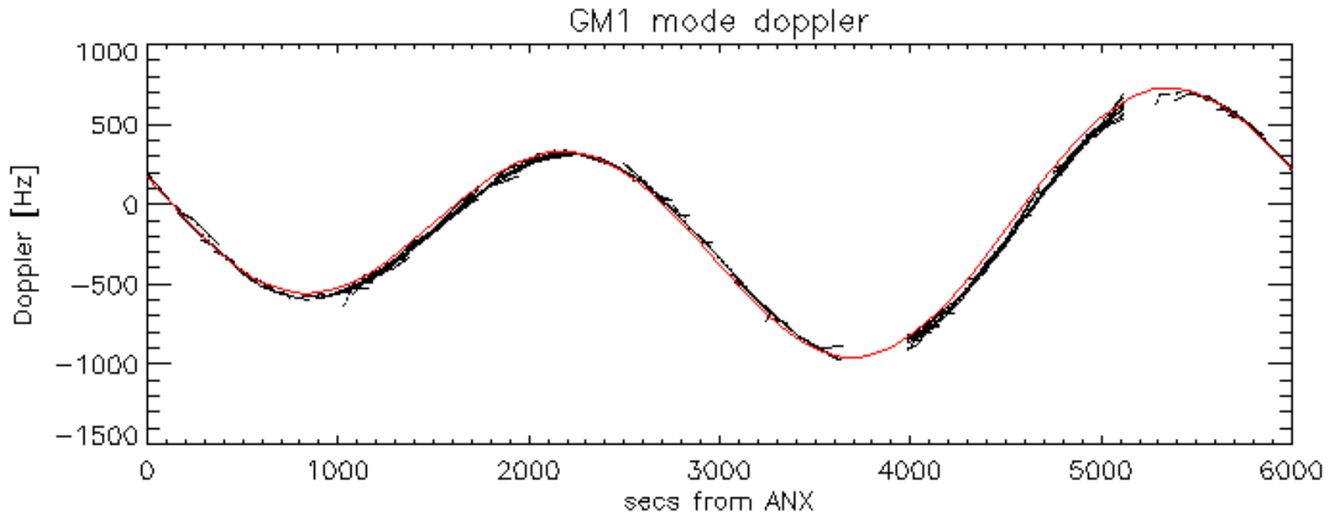
Preliminary report.The data is not yet controled

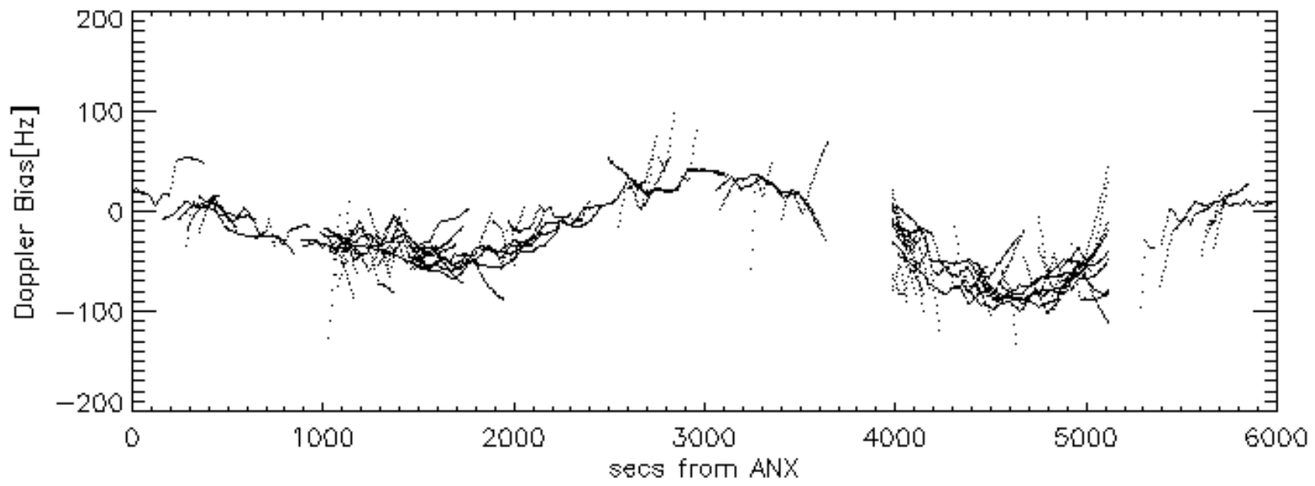

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

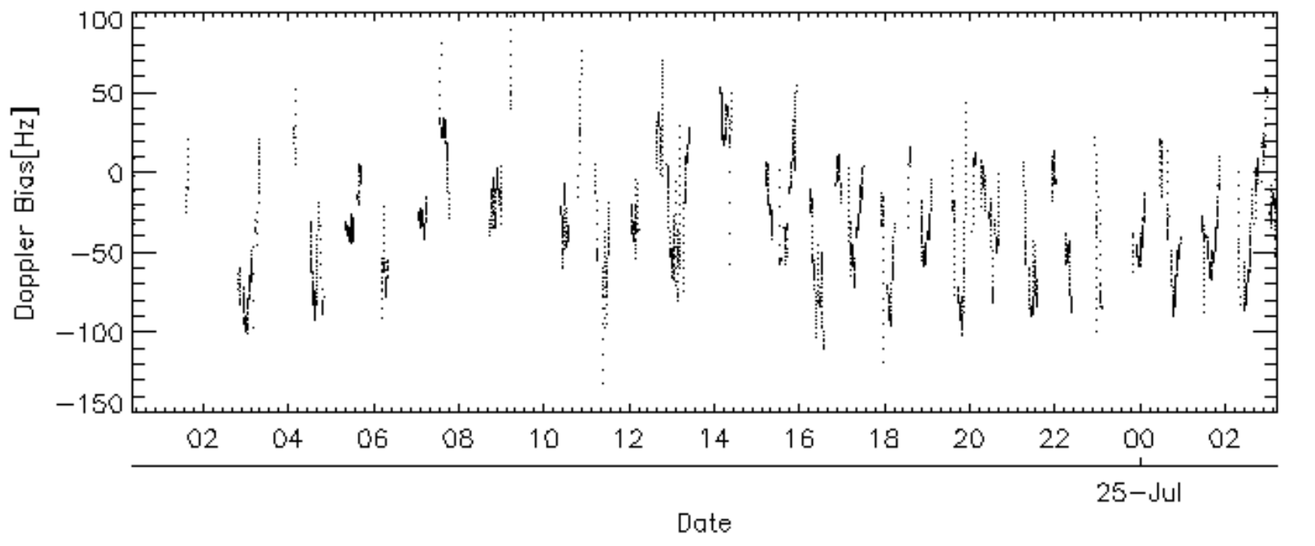

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

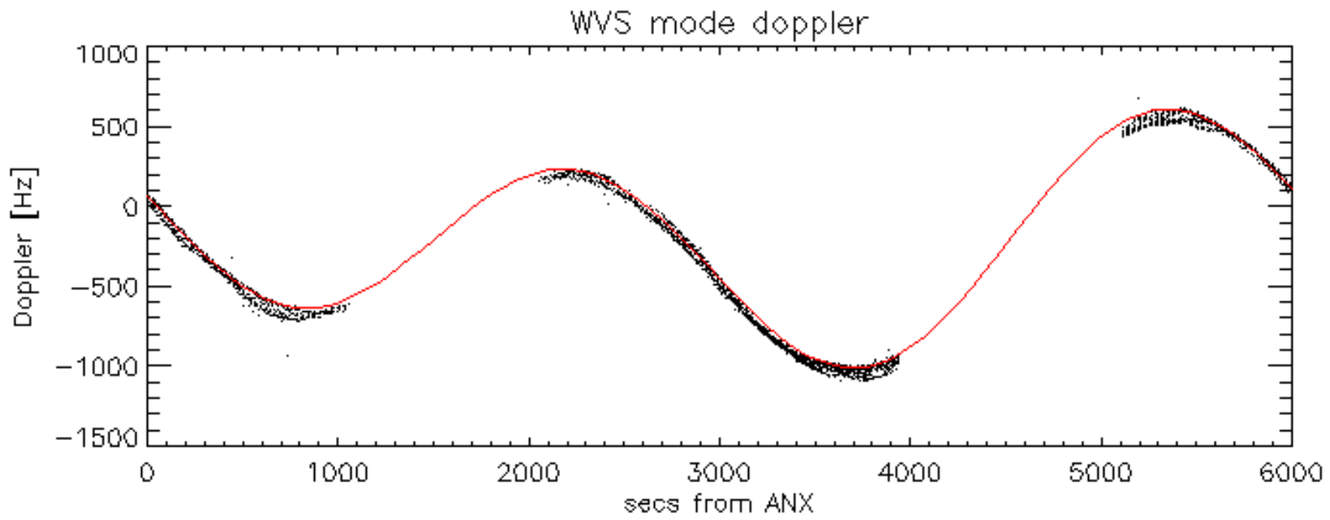

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

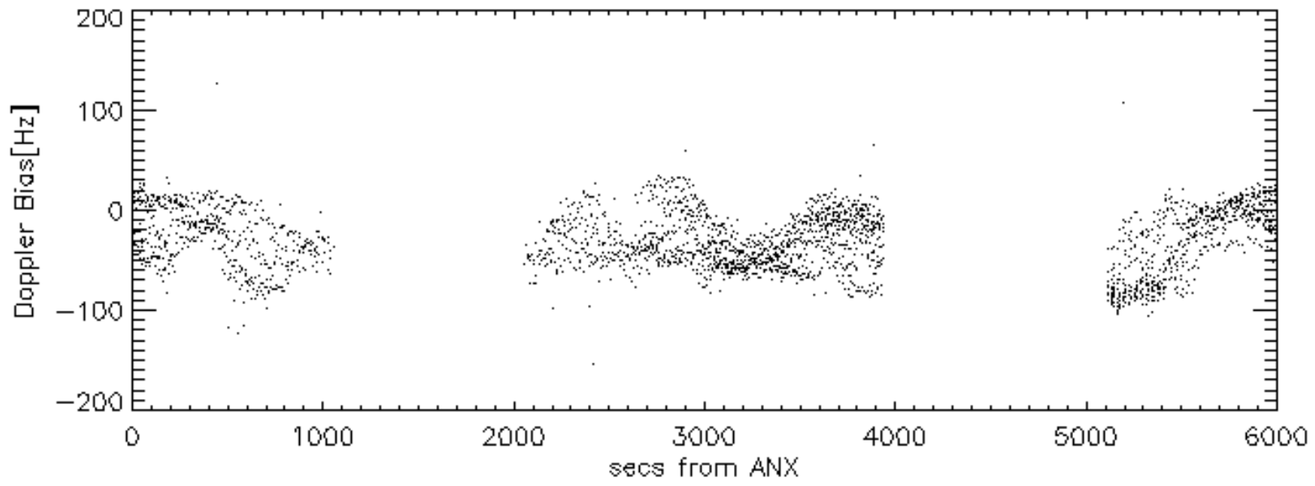

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

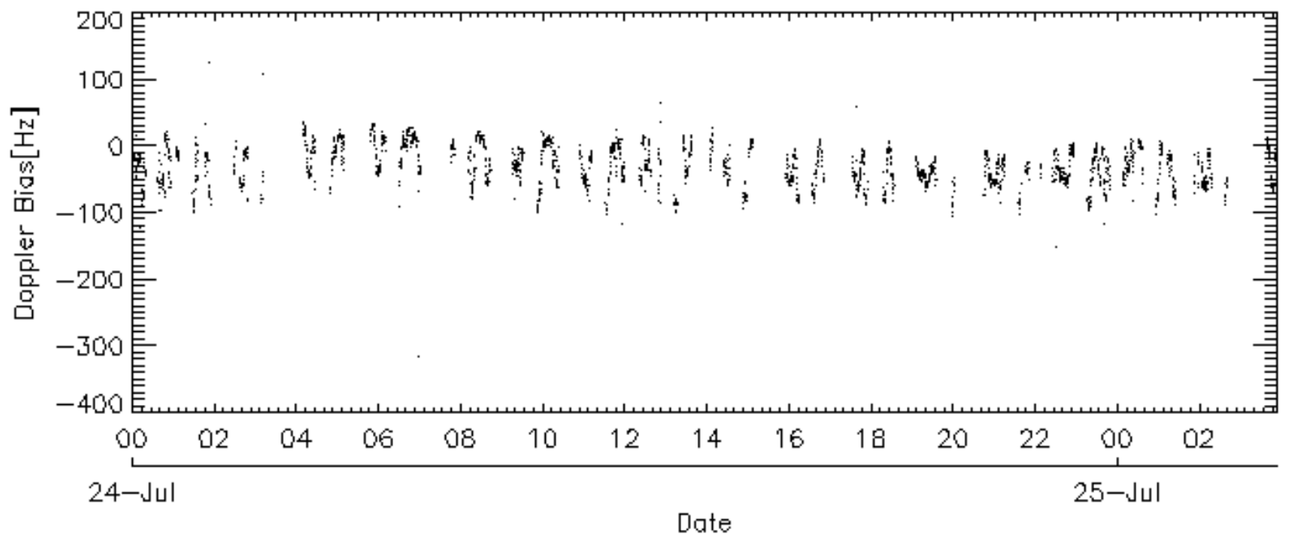

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

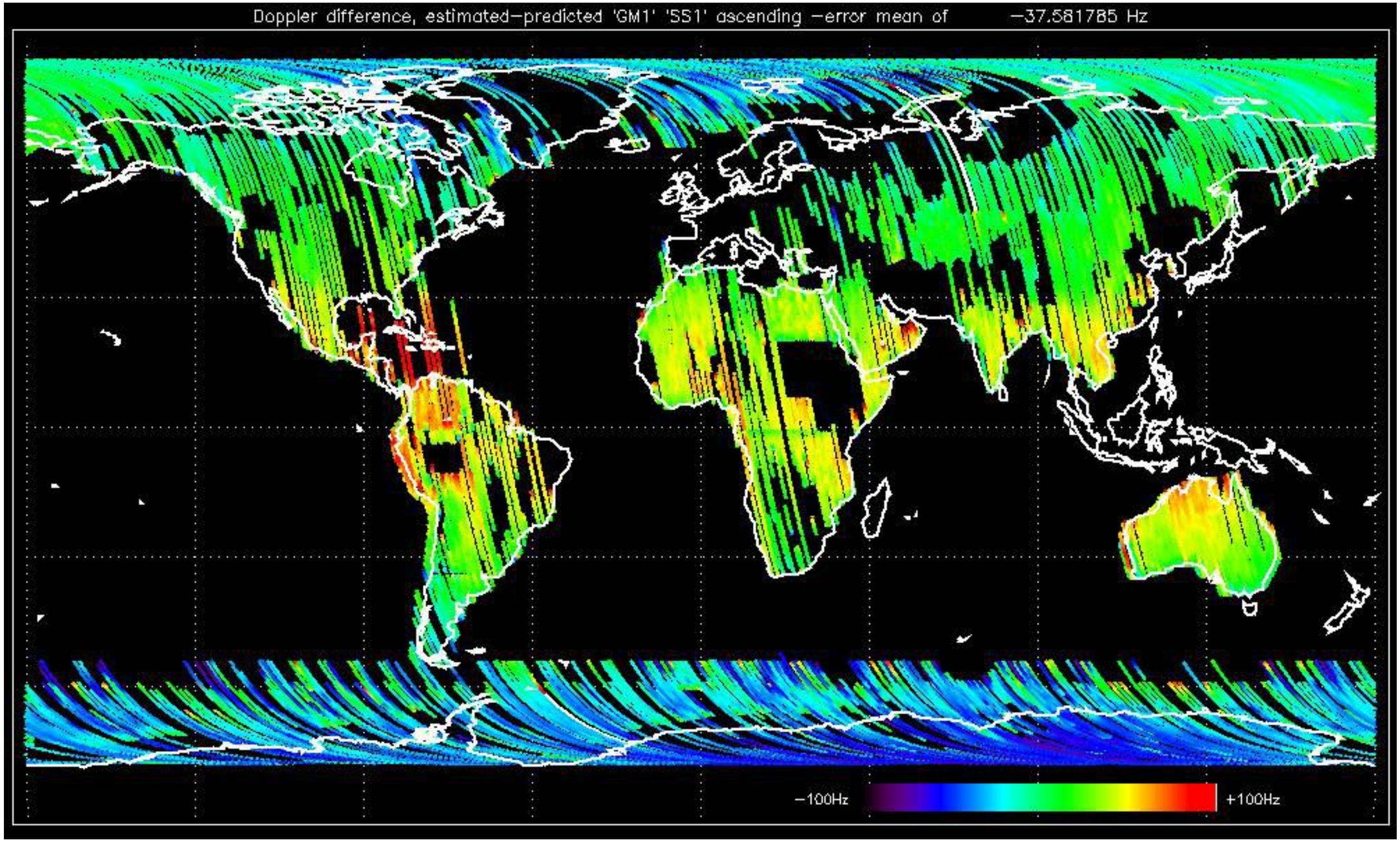

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

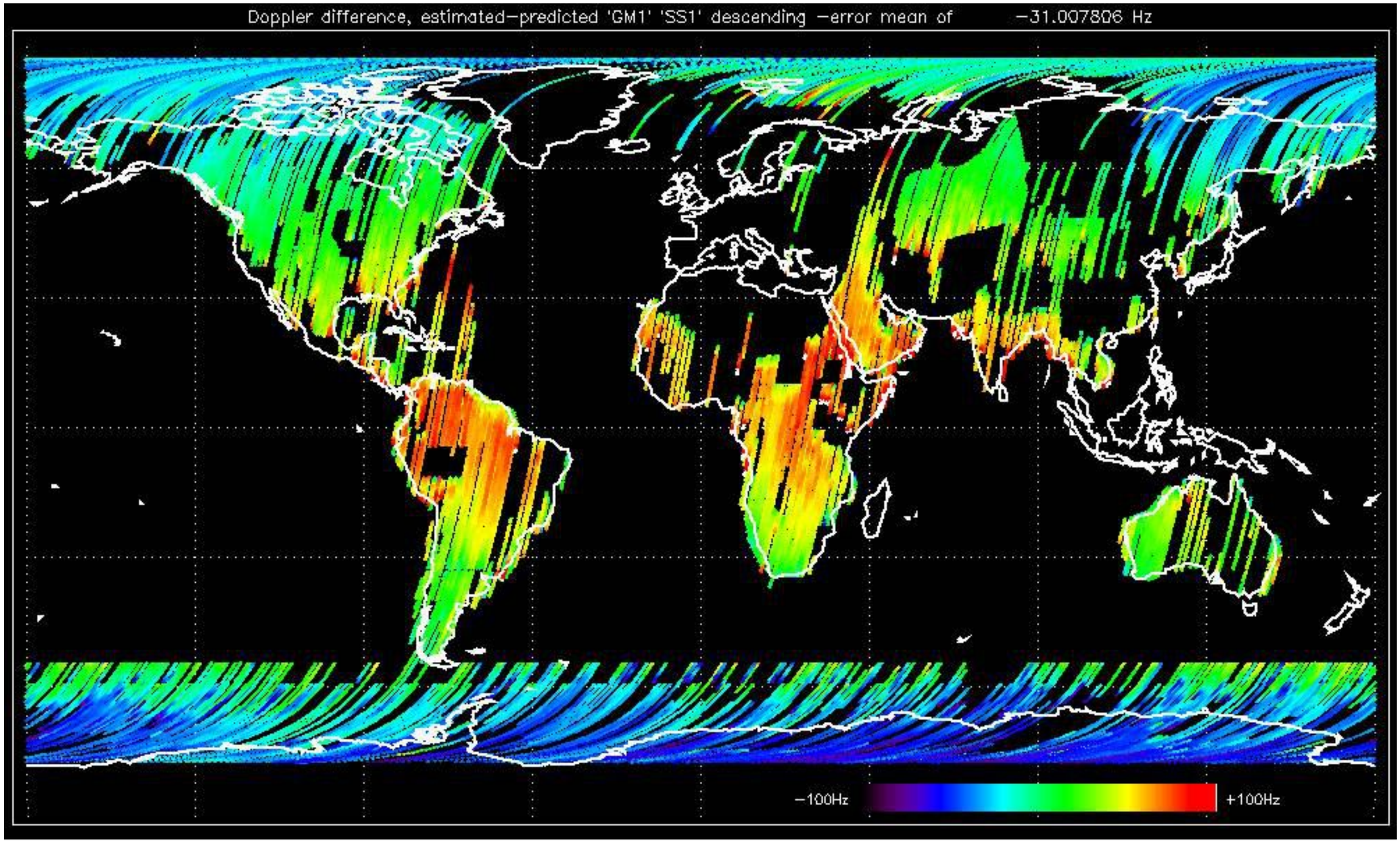

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
25−Jul
Date

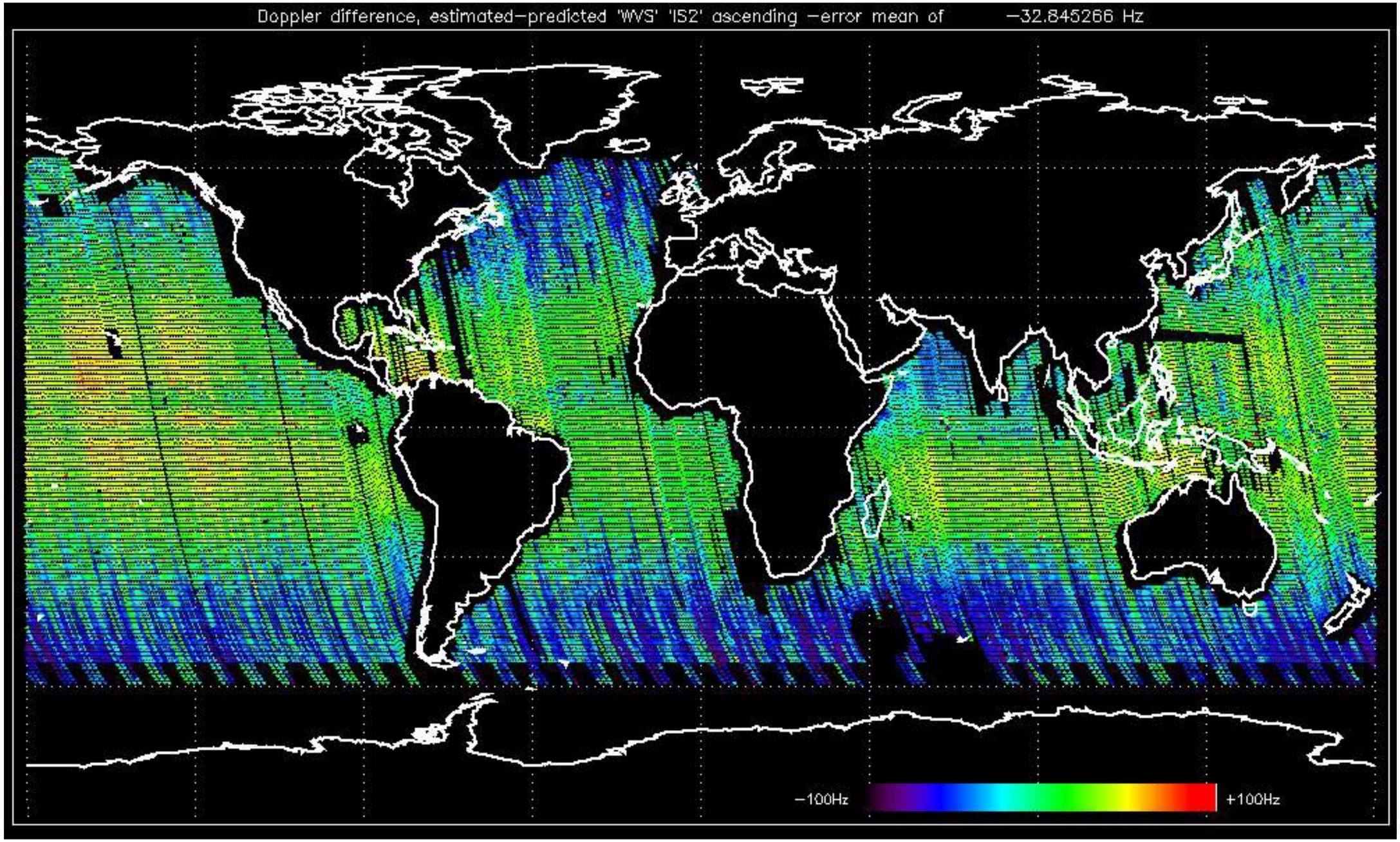

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

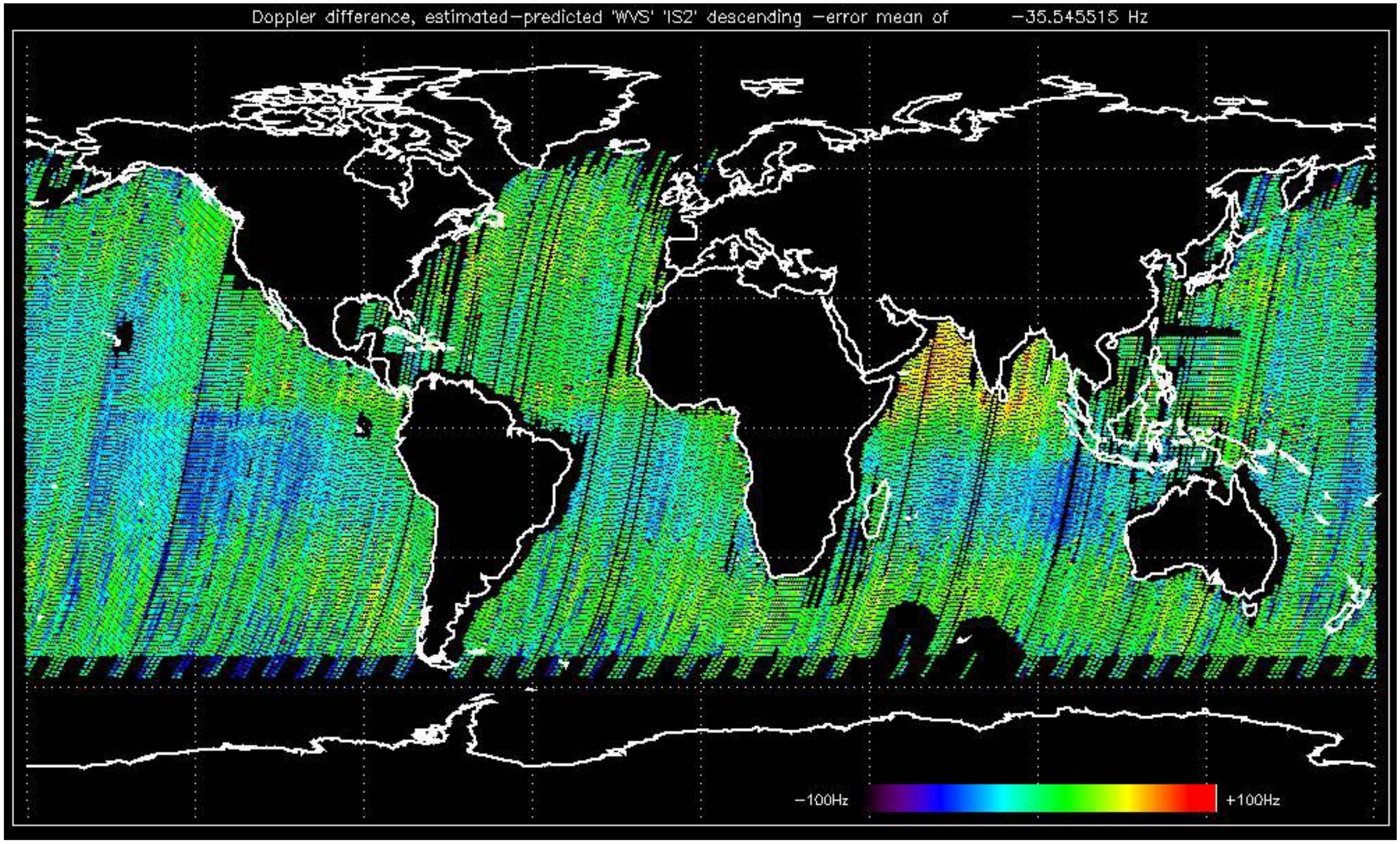

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
200
100
0
−100
−200
−300
−400
00
02
04
06
08
10
12
14
16
18
20
22
00
02
24−Jul
25−Jul
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −37.581785 Hz
−100Hz
+100Hz

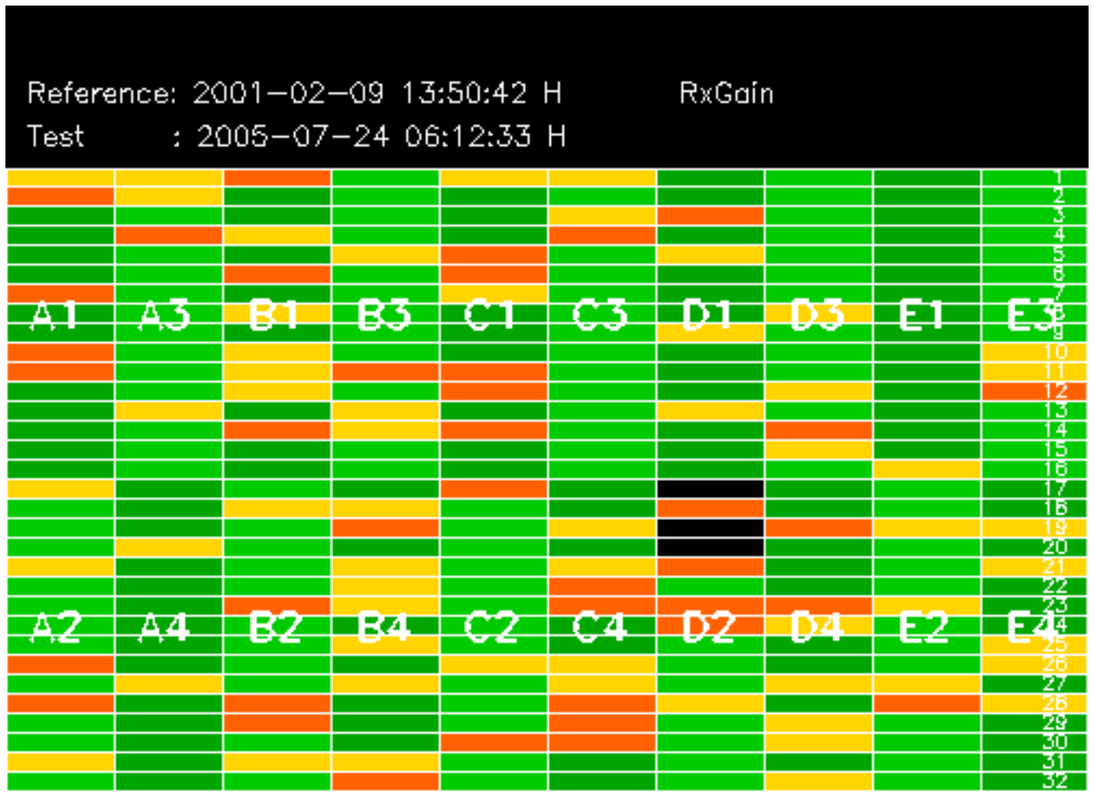

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −31.007806 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −32.845266 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −35.545515 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-07-24 06:12:33 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
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8
9
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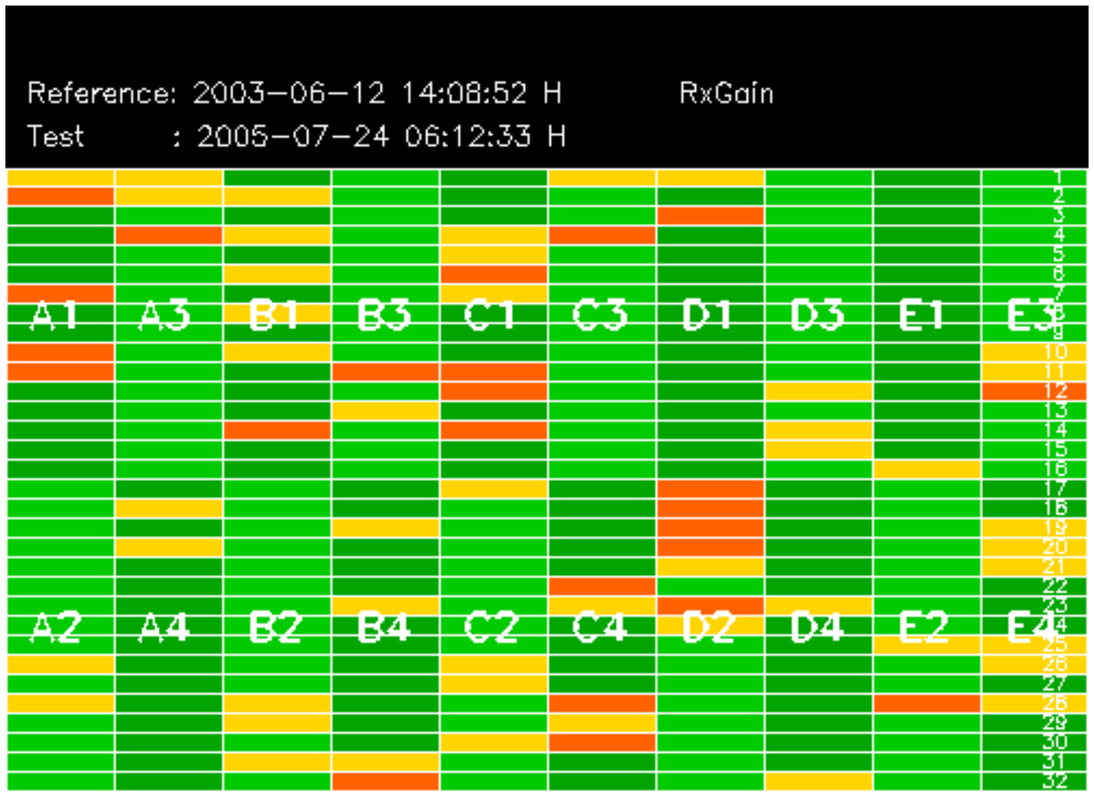
Reference: 2003-06-12 14:08:52 H
Test : 2005-07-24 06:12:33 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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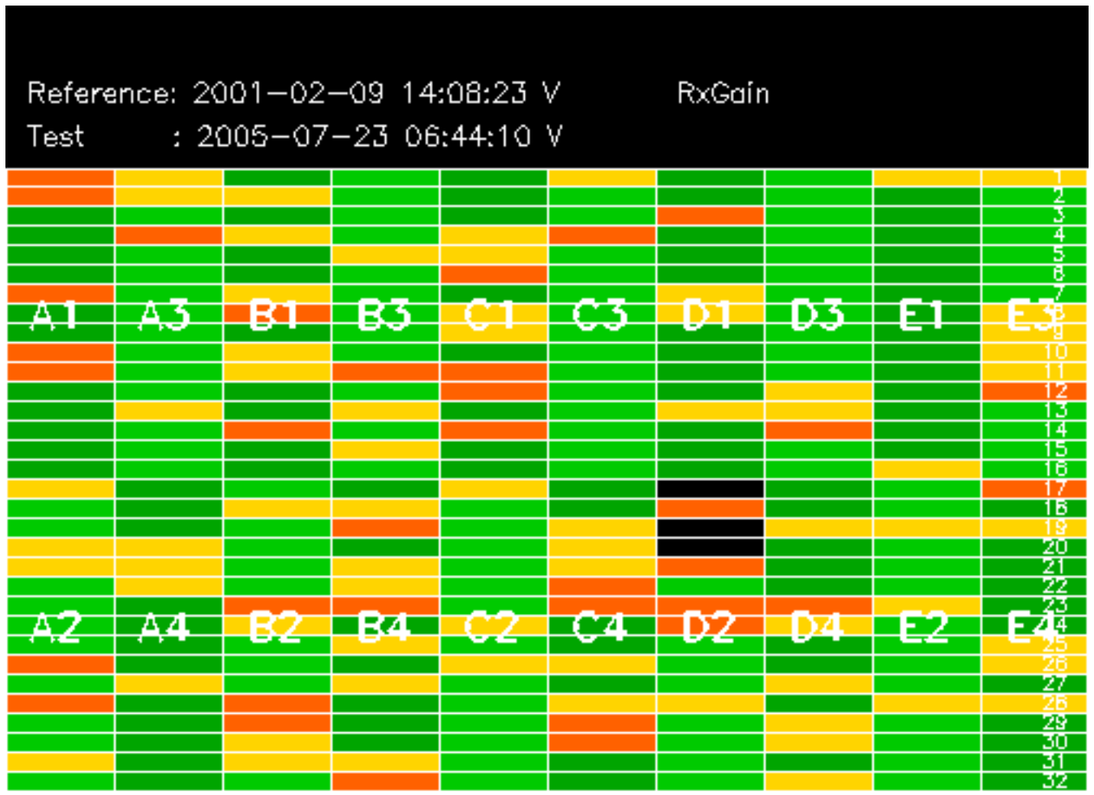
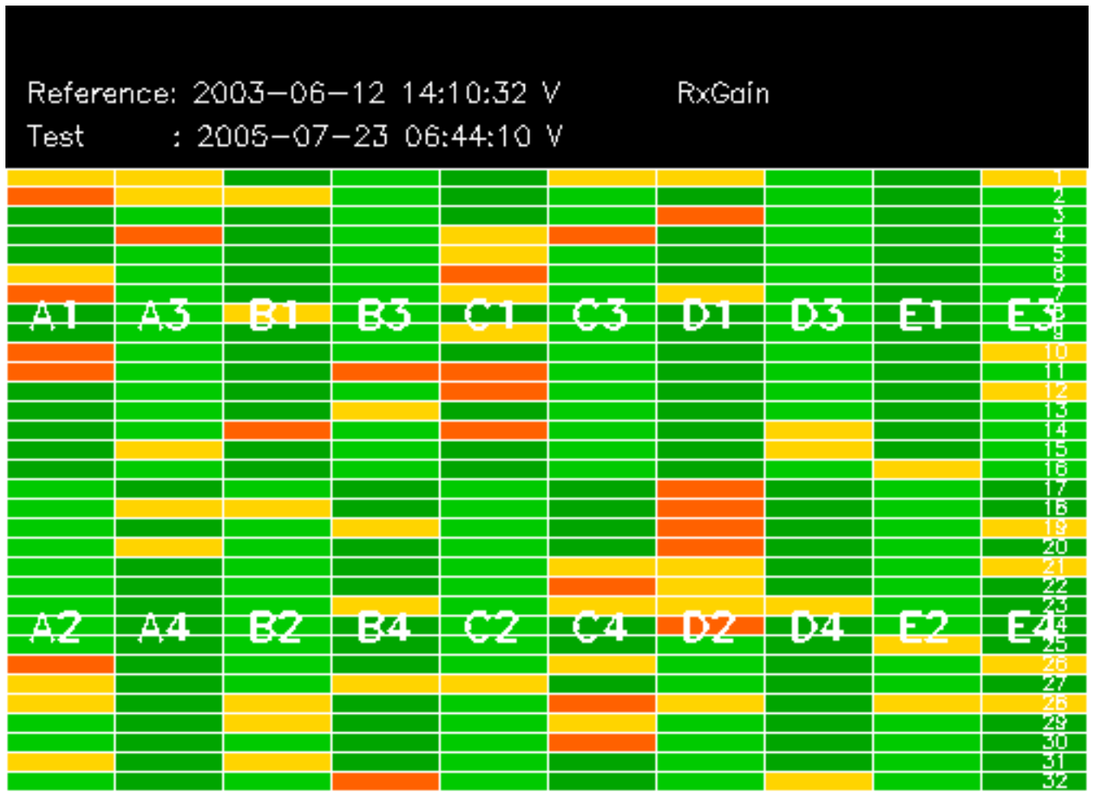

Reference: 2001-02-09 14:08:23 V
Test : 2005-07-23 06:44:10 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-07-23 06:44:10 V
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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8
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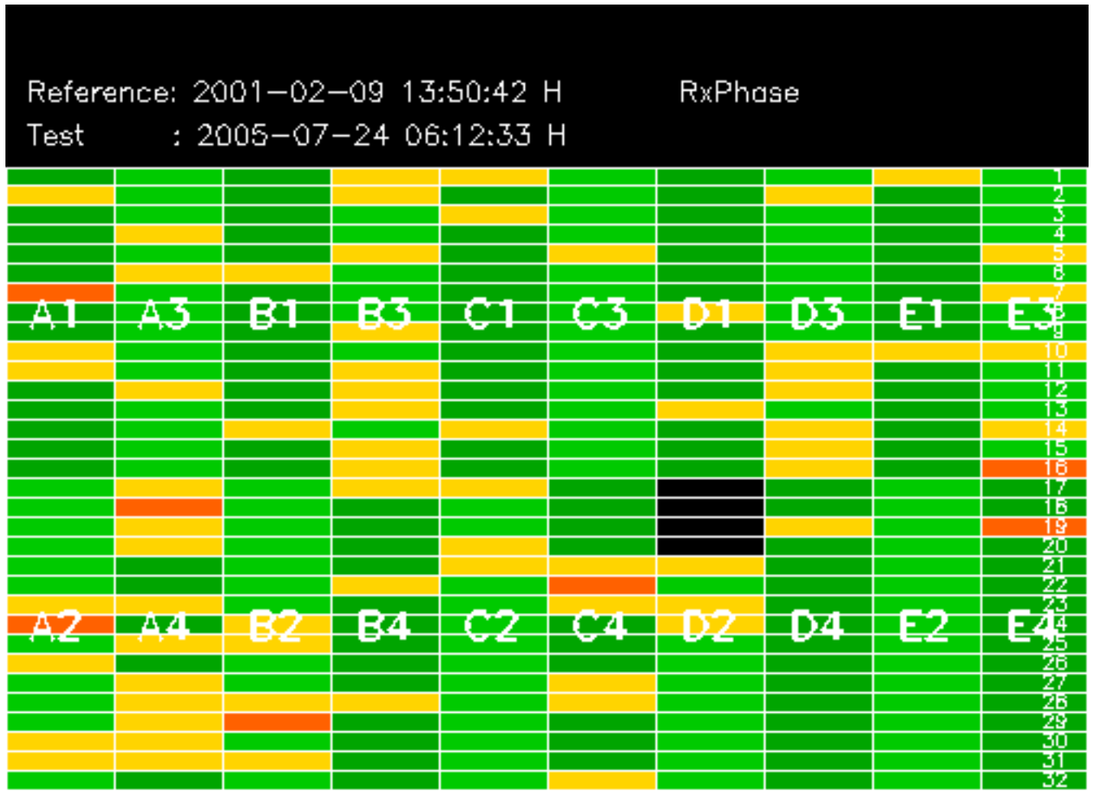
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-07-24 06:12:33 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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8
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23
24
25
26
27
28
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-07-24 06:12:33 H
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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8
9
10
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21
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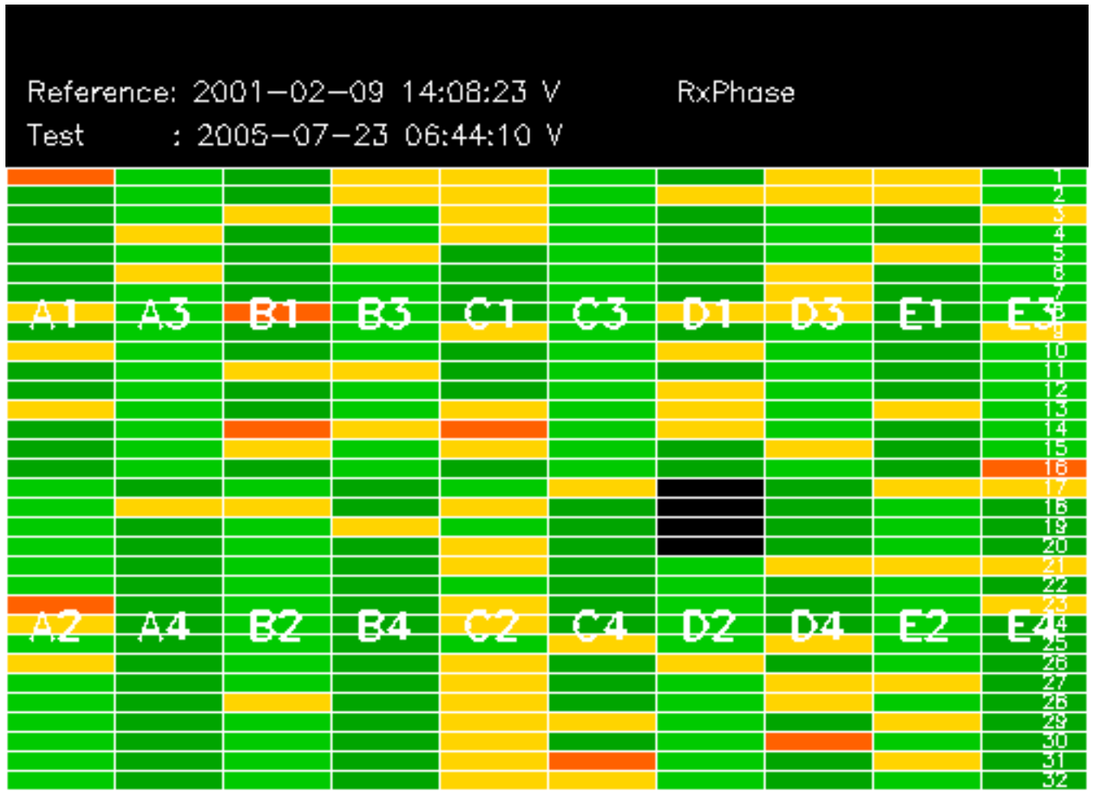
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-07-23 06:44:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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9
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12
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14
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29
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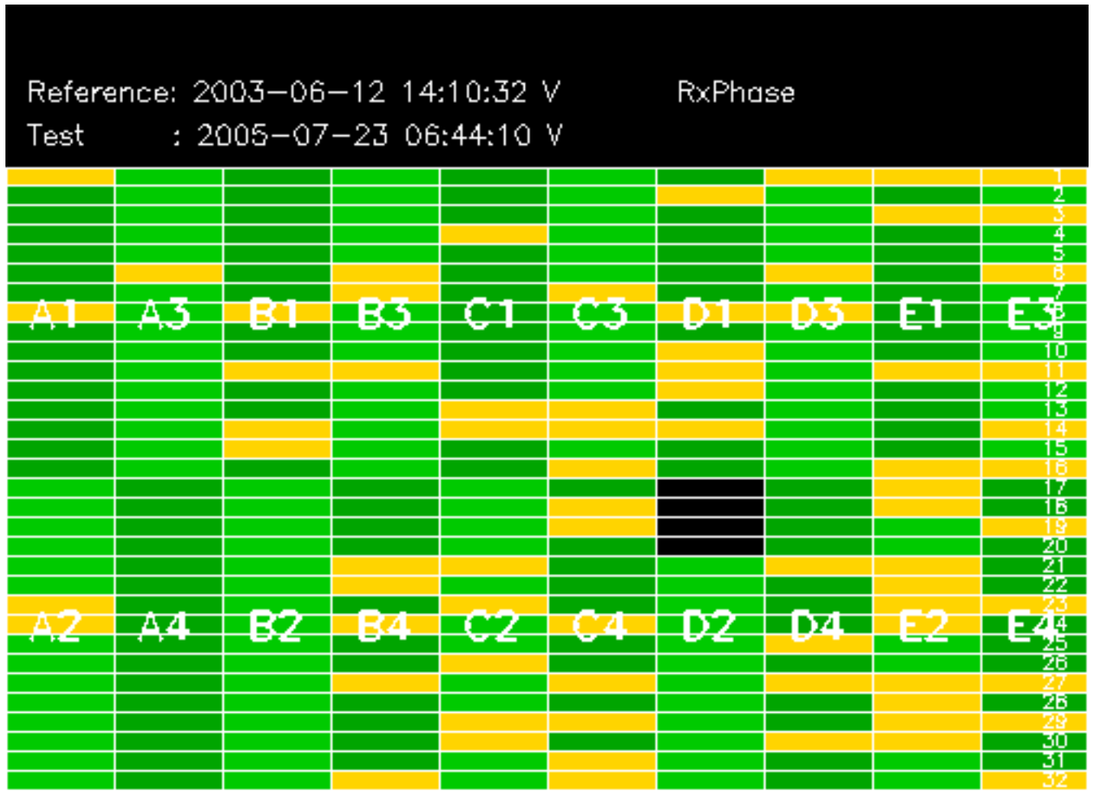
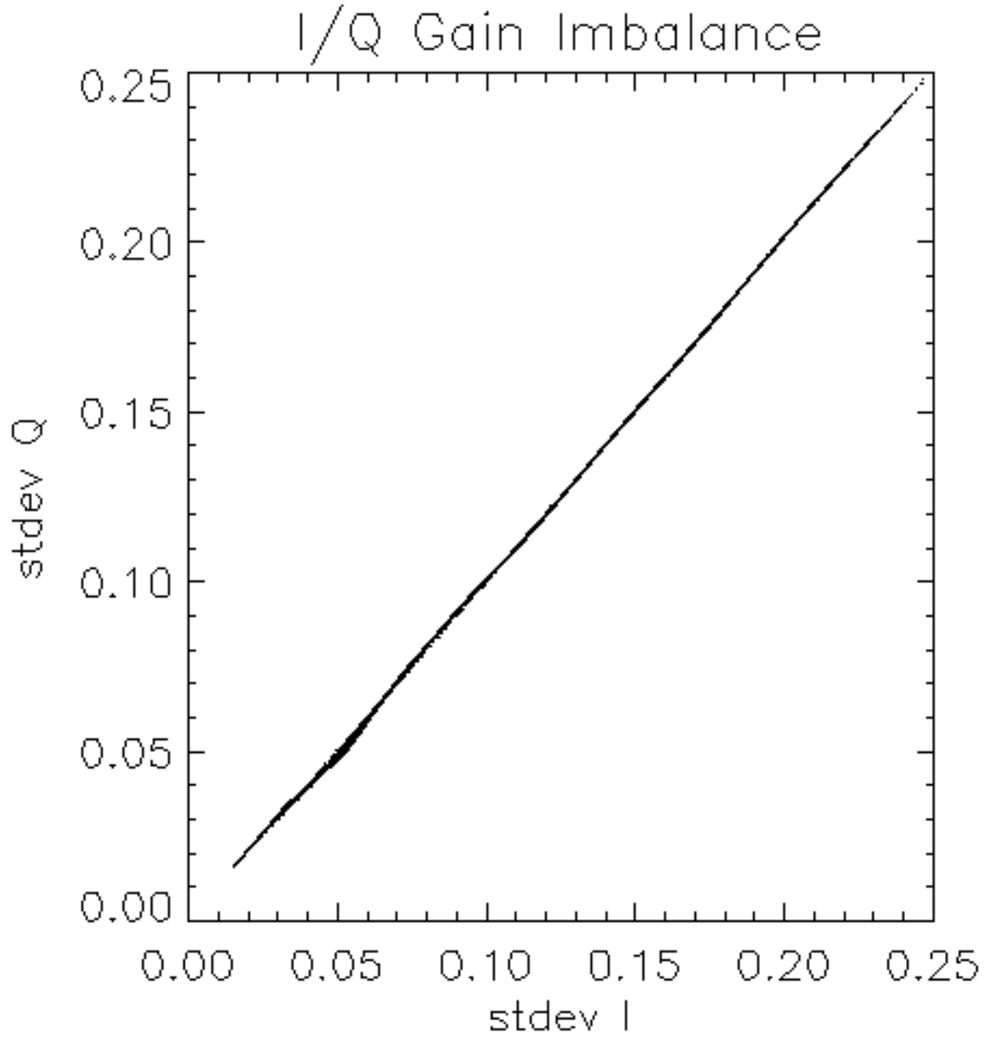
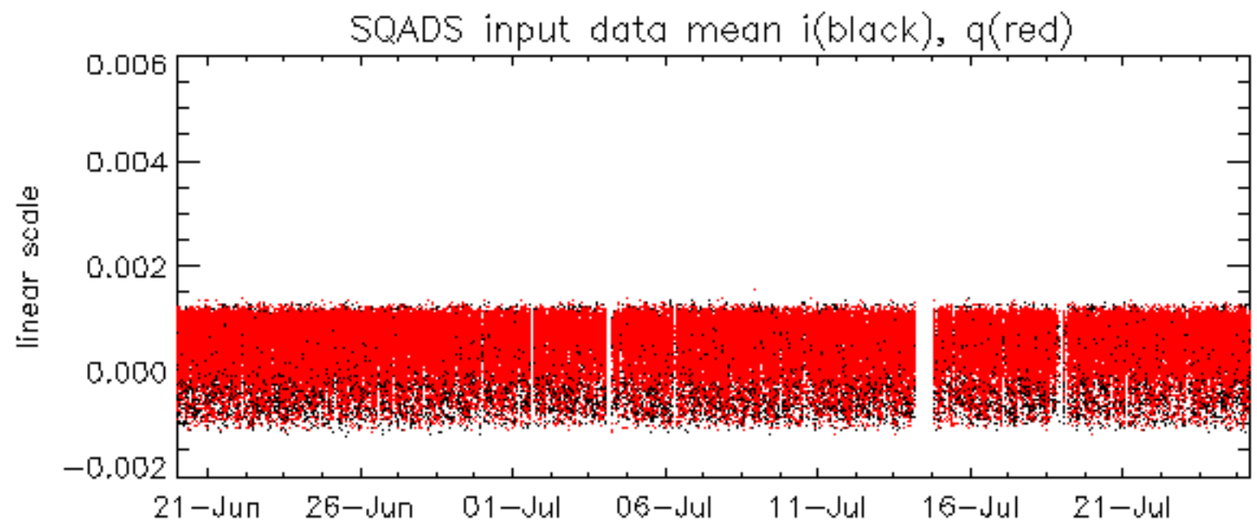
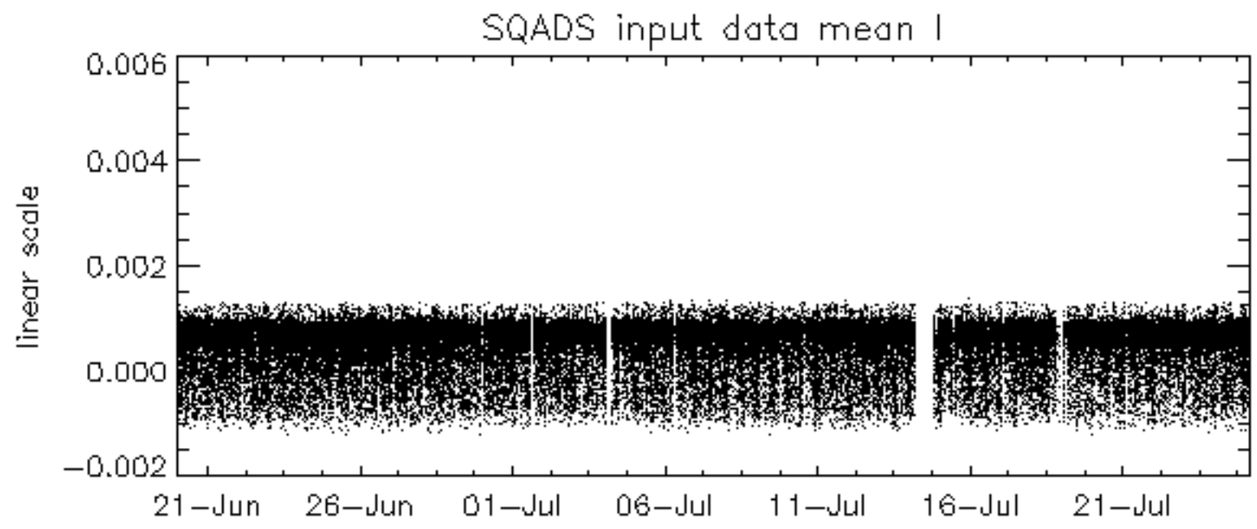
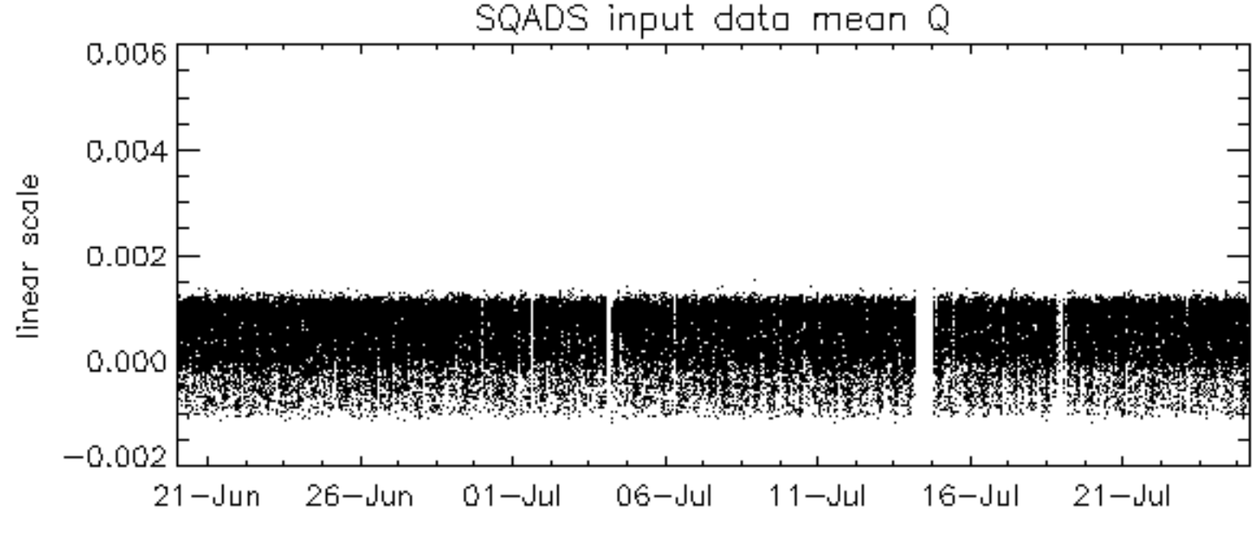
32

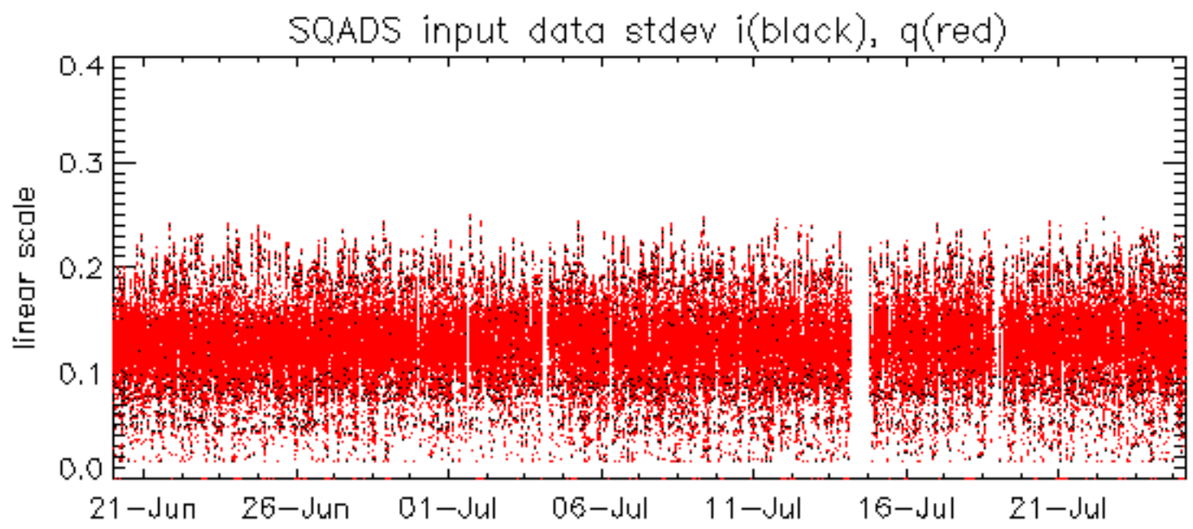

Reference: 2003-06-12 14:10:32 V
Test : 2005-07-23 06:44:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

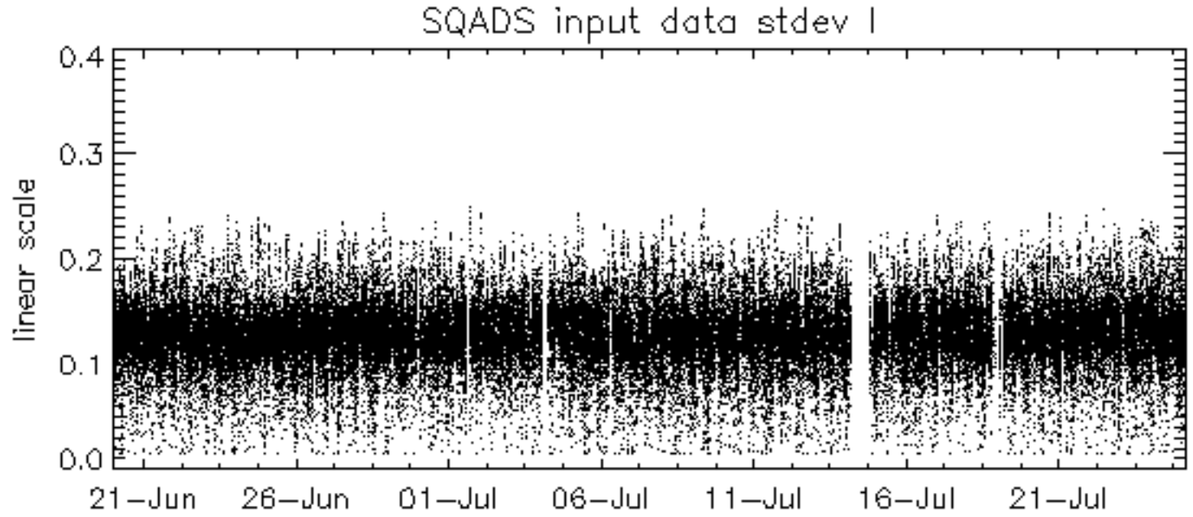

I/Q Gain Imbalance
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00
0.05
0.10
0.15
0.20
0.25
stdev I

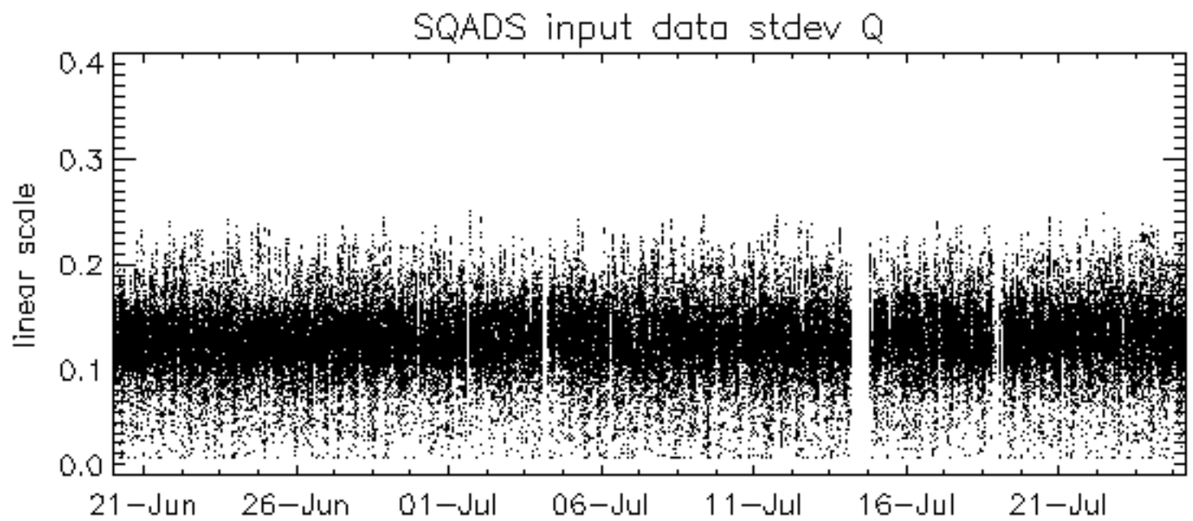

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul

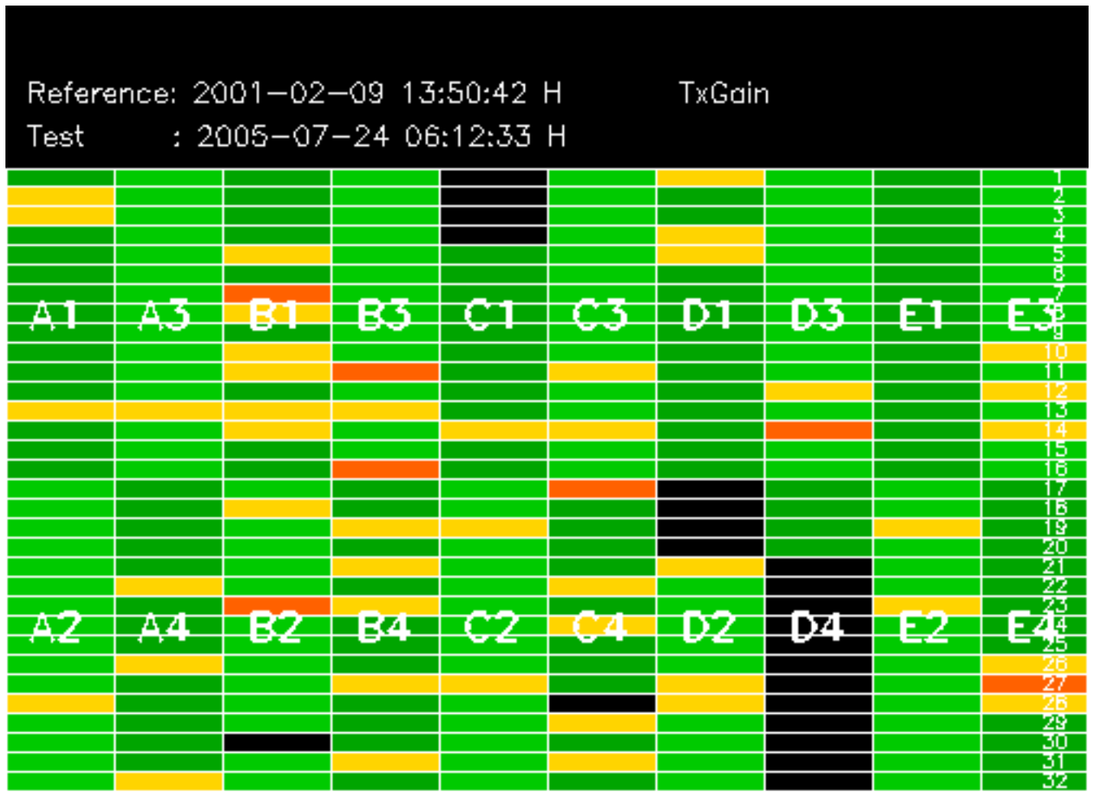

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-07-24 06:12:33 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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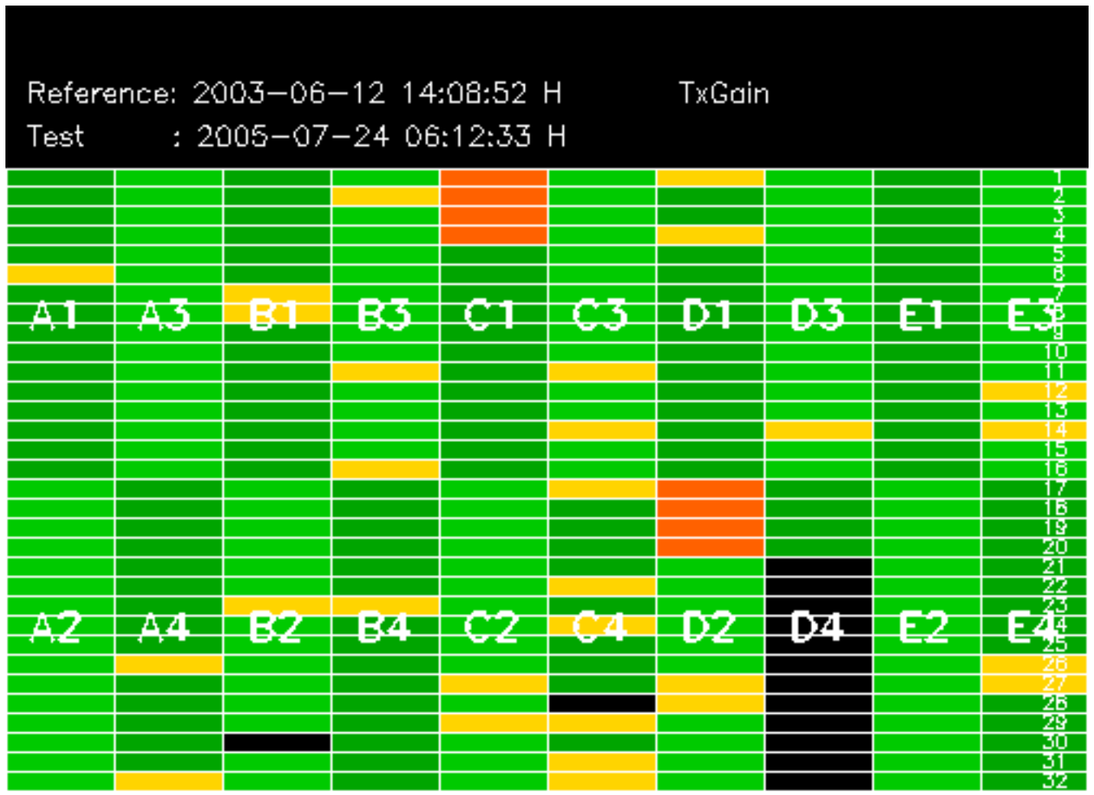
Reference: 2003-06-12 14:08:52 H
Test : 2005-07-24 06:12:33 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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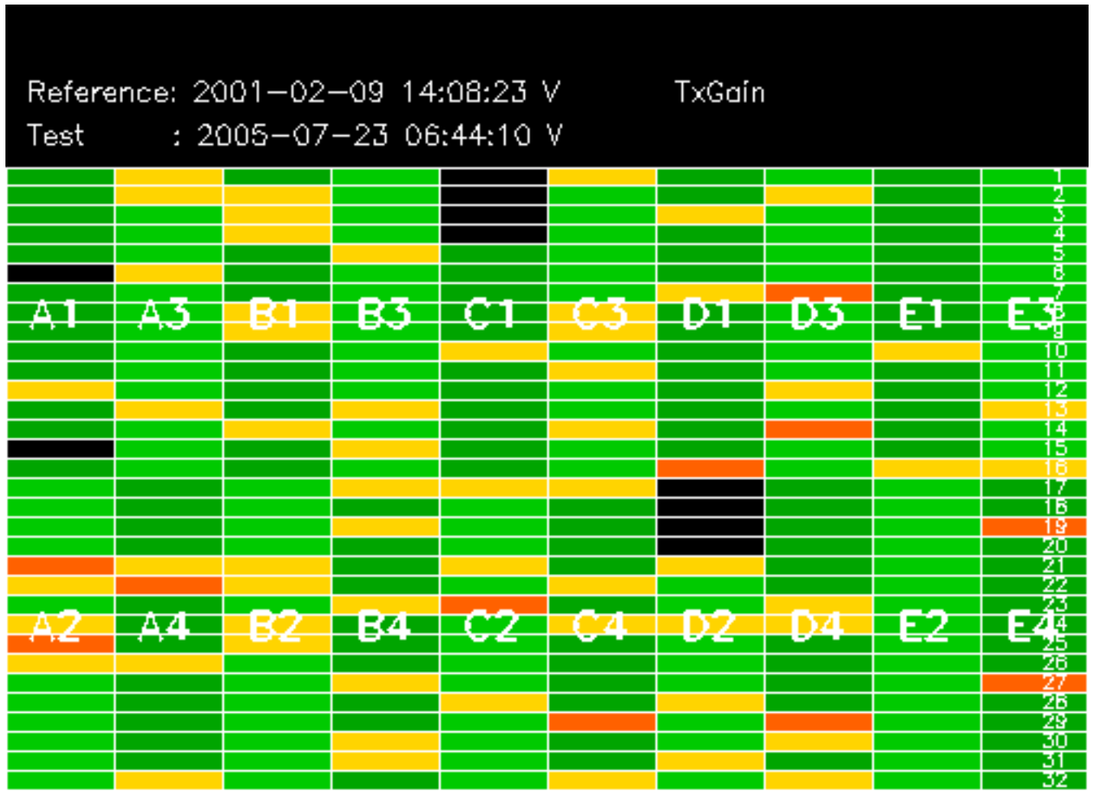
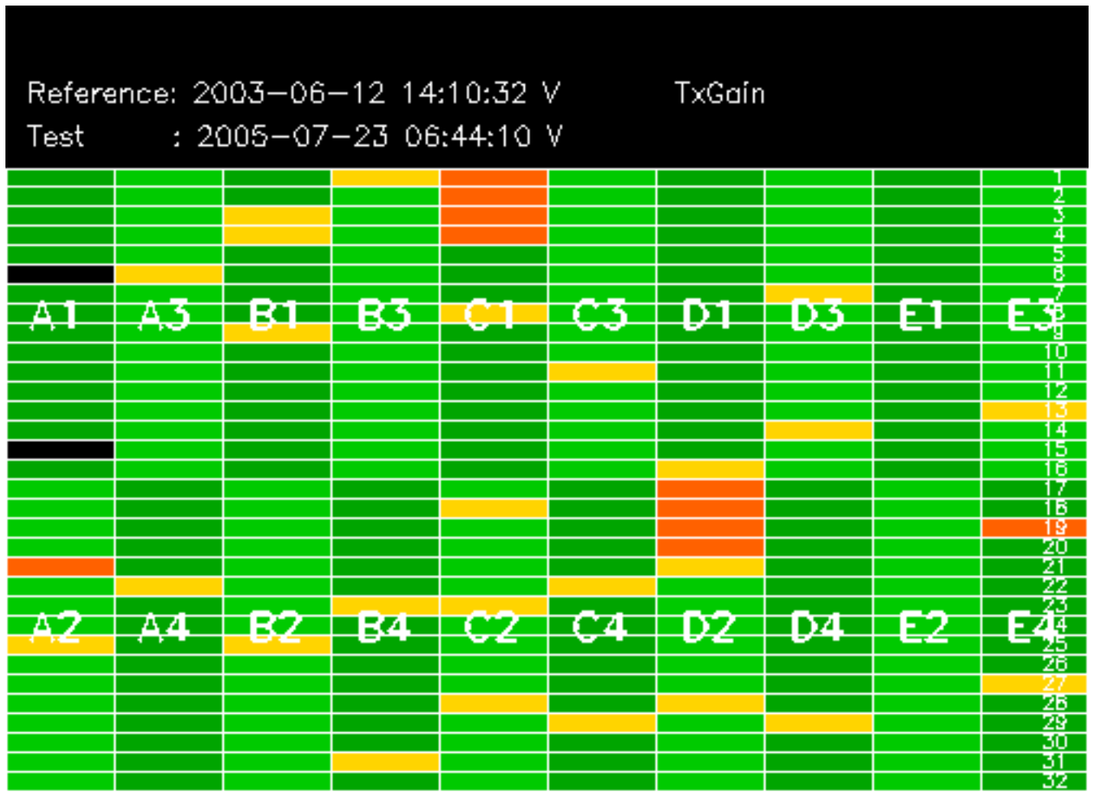

Reference: 2001-02-09 14:08:23 V
Test : 2005-07-23 06:44:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-07-23 06:44:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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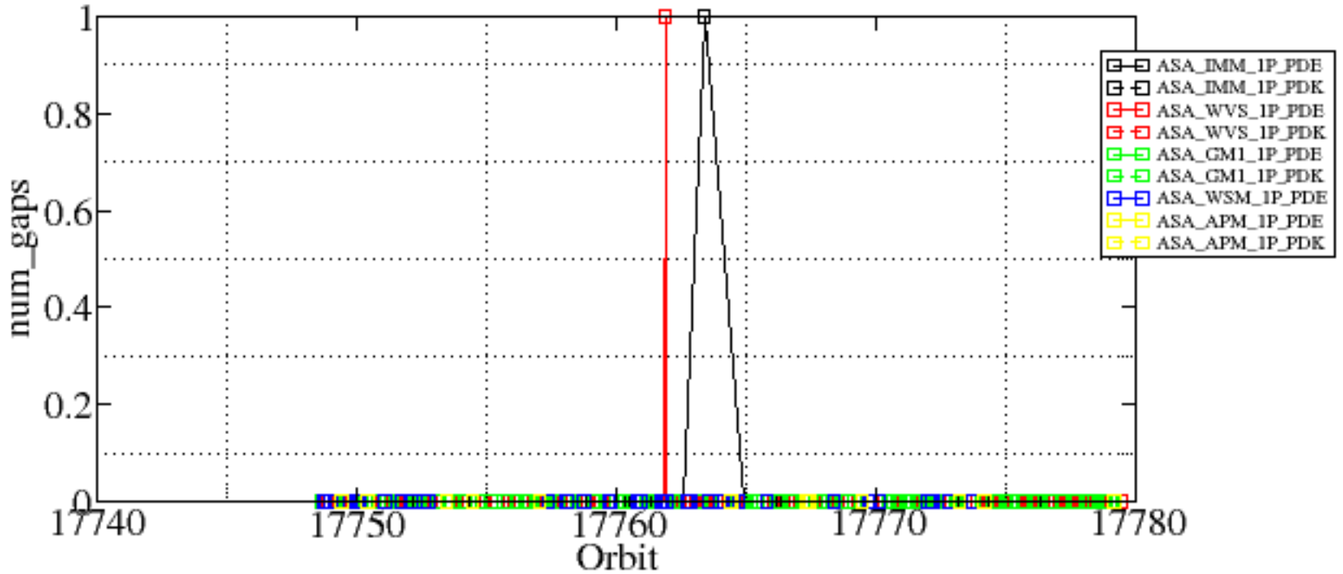
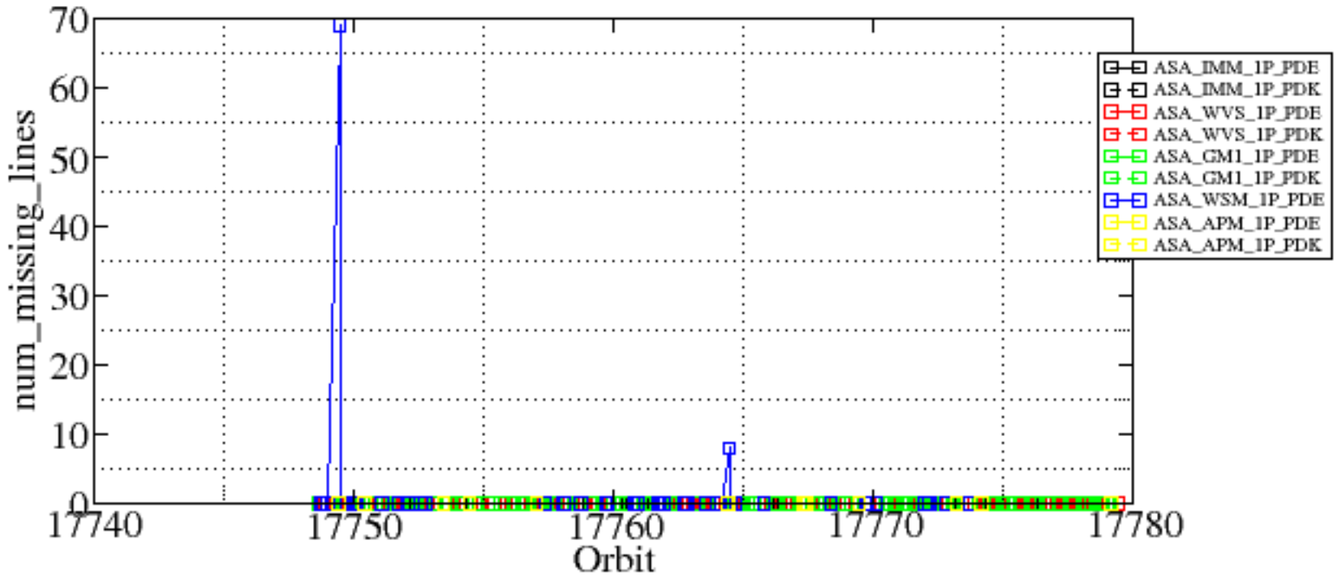
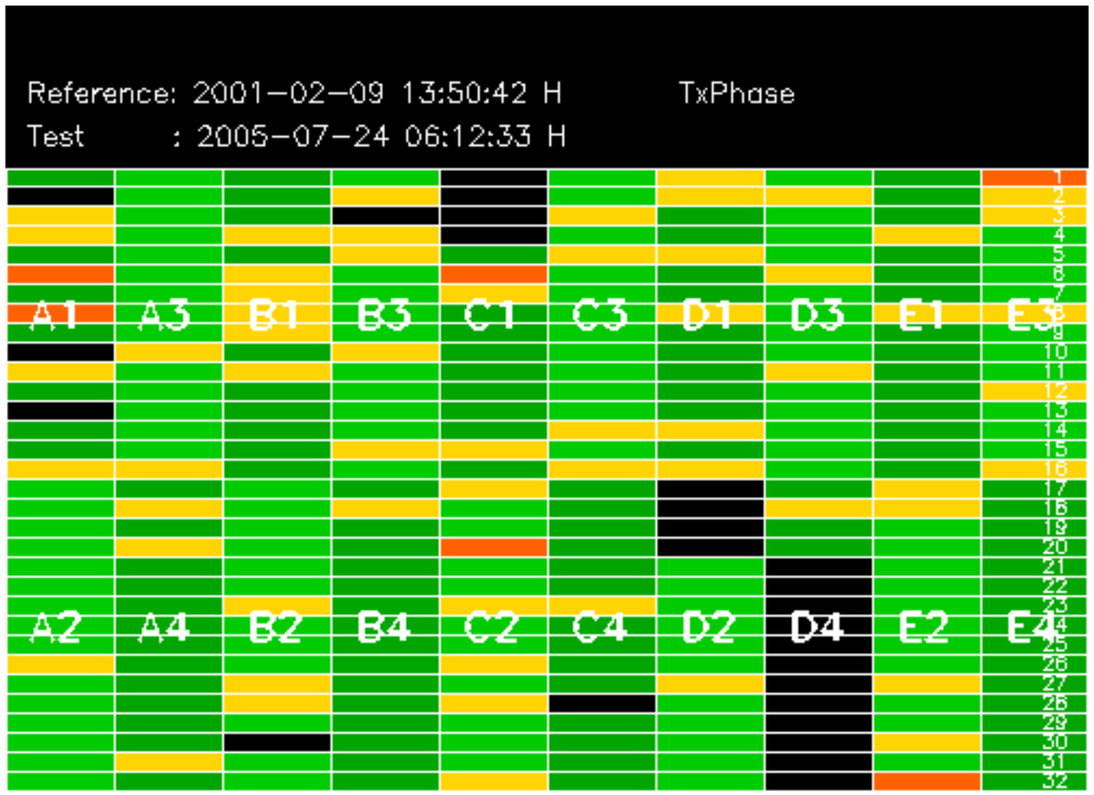
Summary of analysis for the last 3 days 2005072[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20050724_004103_000000622039_00174_17763_0522.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDE20050723_221009_000000002039_00172_17761_0150.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050723_012128_000000672039_00160_17749_0739.N1 </td> <td>0 </td> <td>69 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050724_023124_000000672039_00175_17764_0904.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050724_023126_000001282039_00175_17764_0970.N1 </td> <td>0 </td> <td>8 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
17740
17750
17760
17770
17780
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_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
70
60
50
40
30
20
10
0
17740
17750
17760
17770
17780
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_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2005-07-24 06:12:33 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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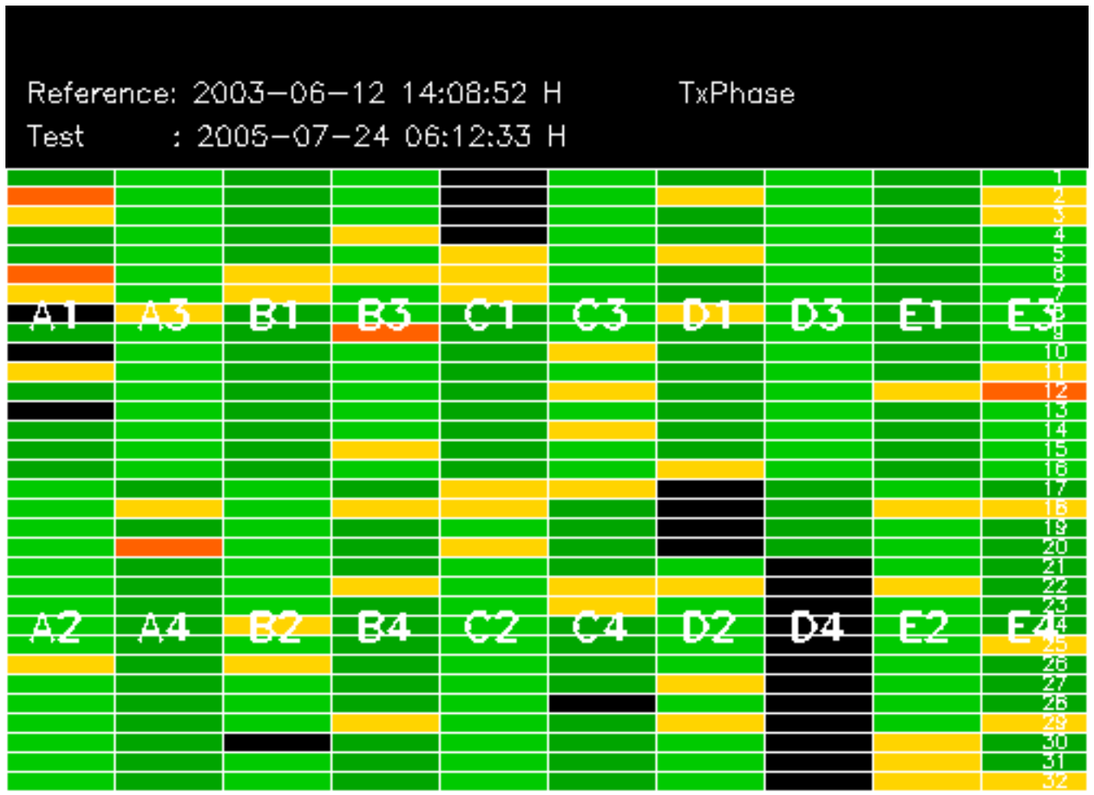
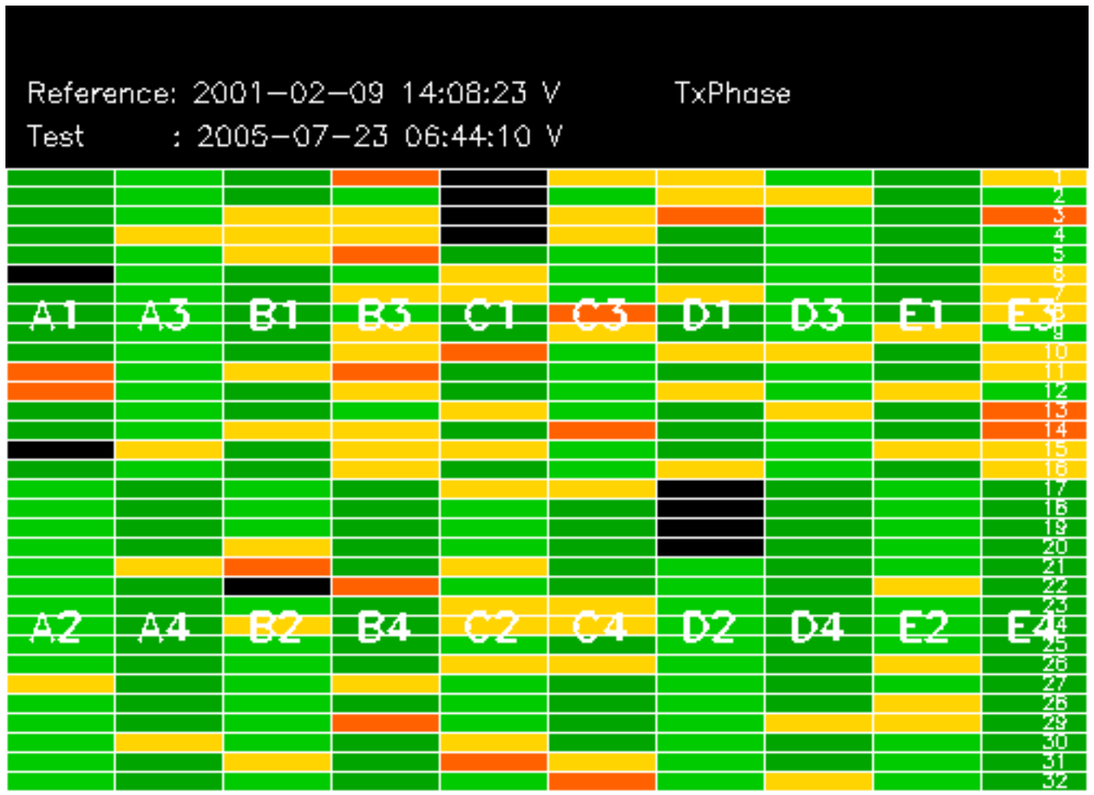
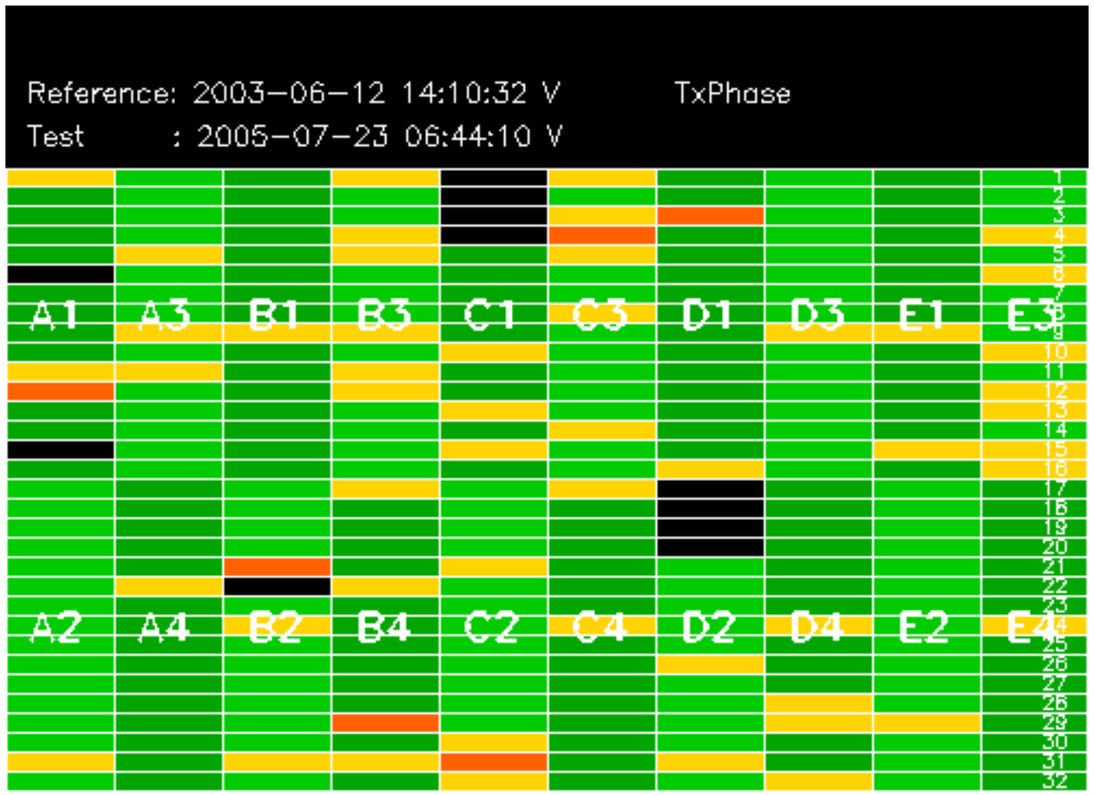
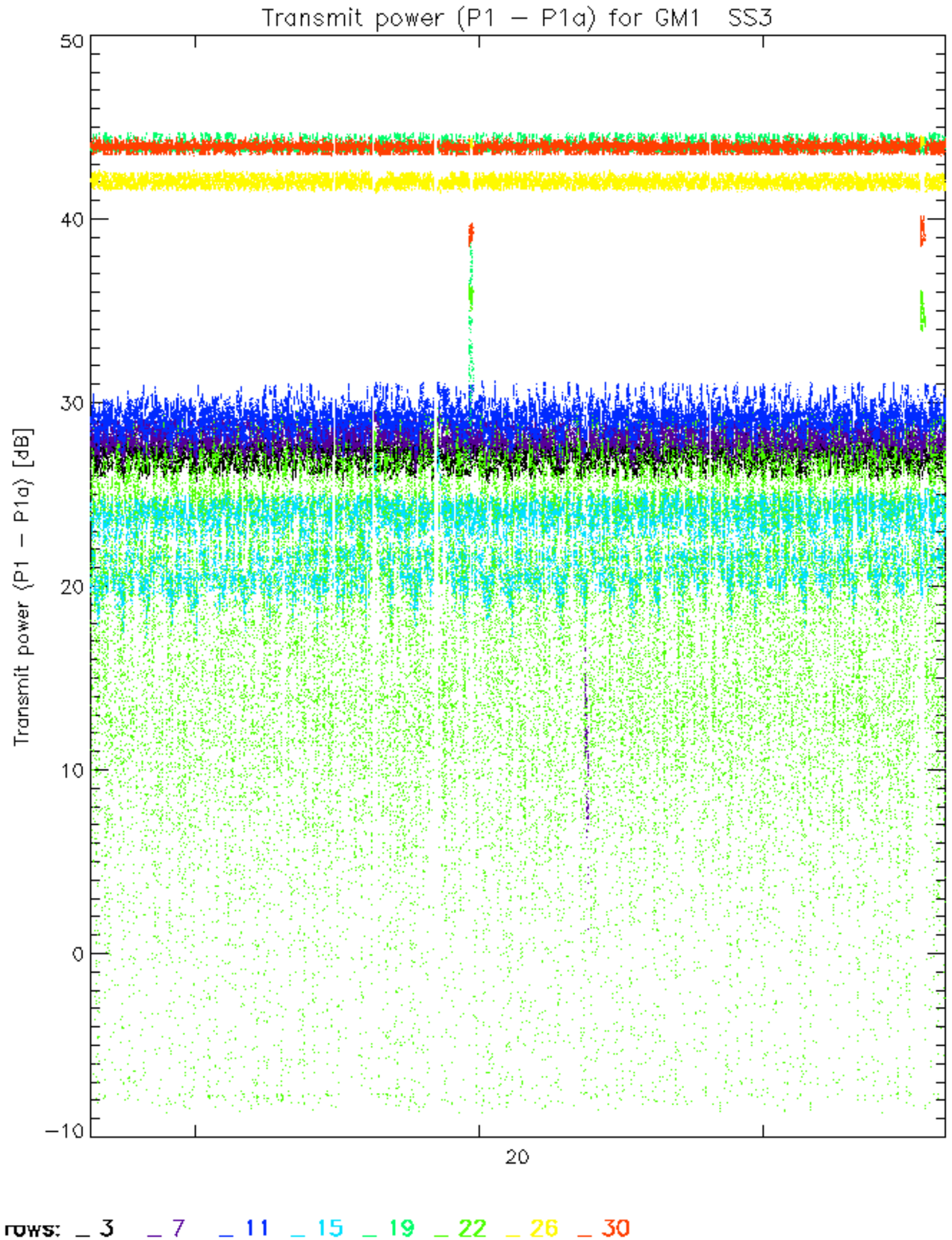
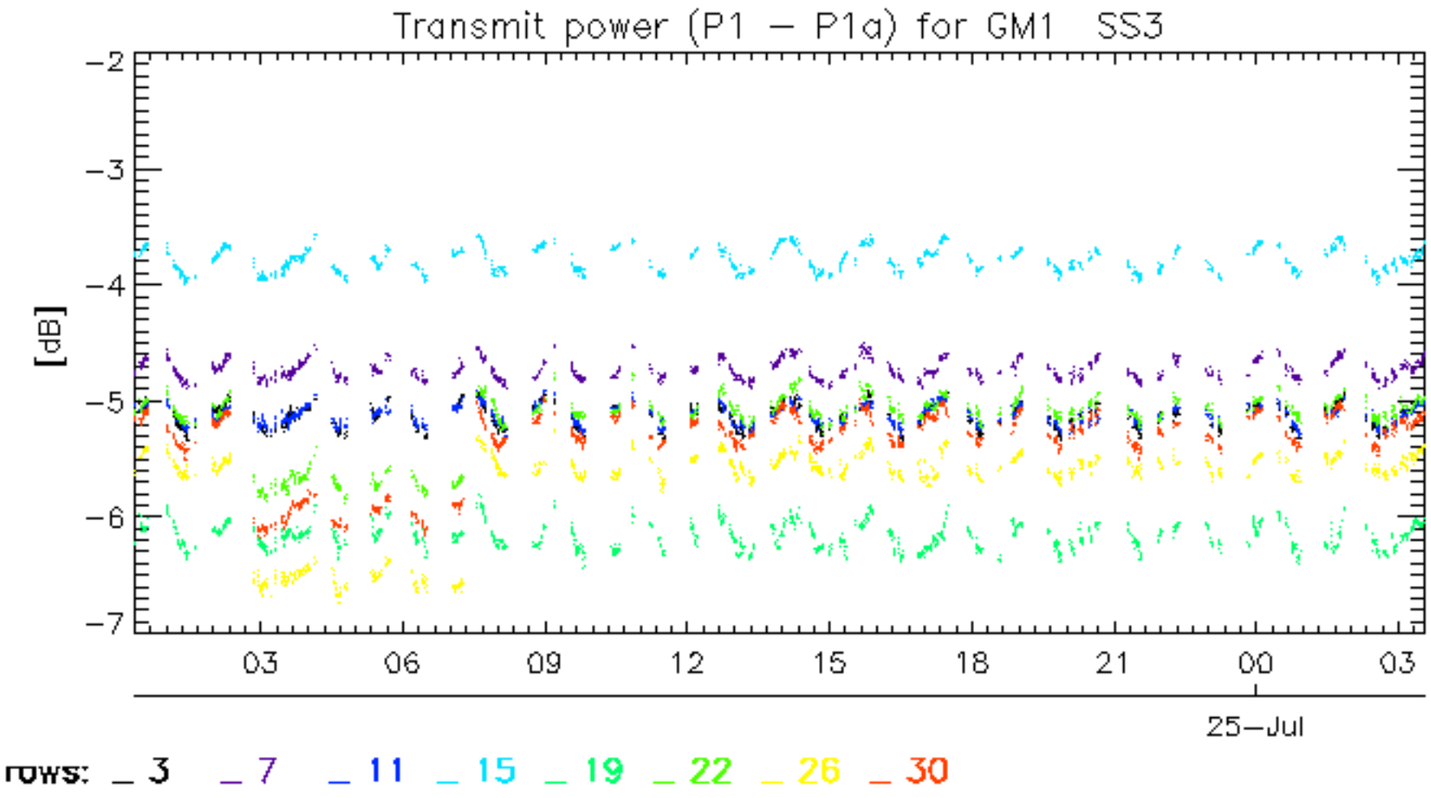
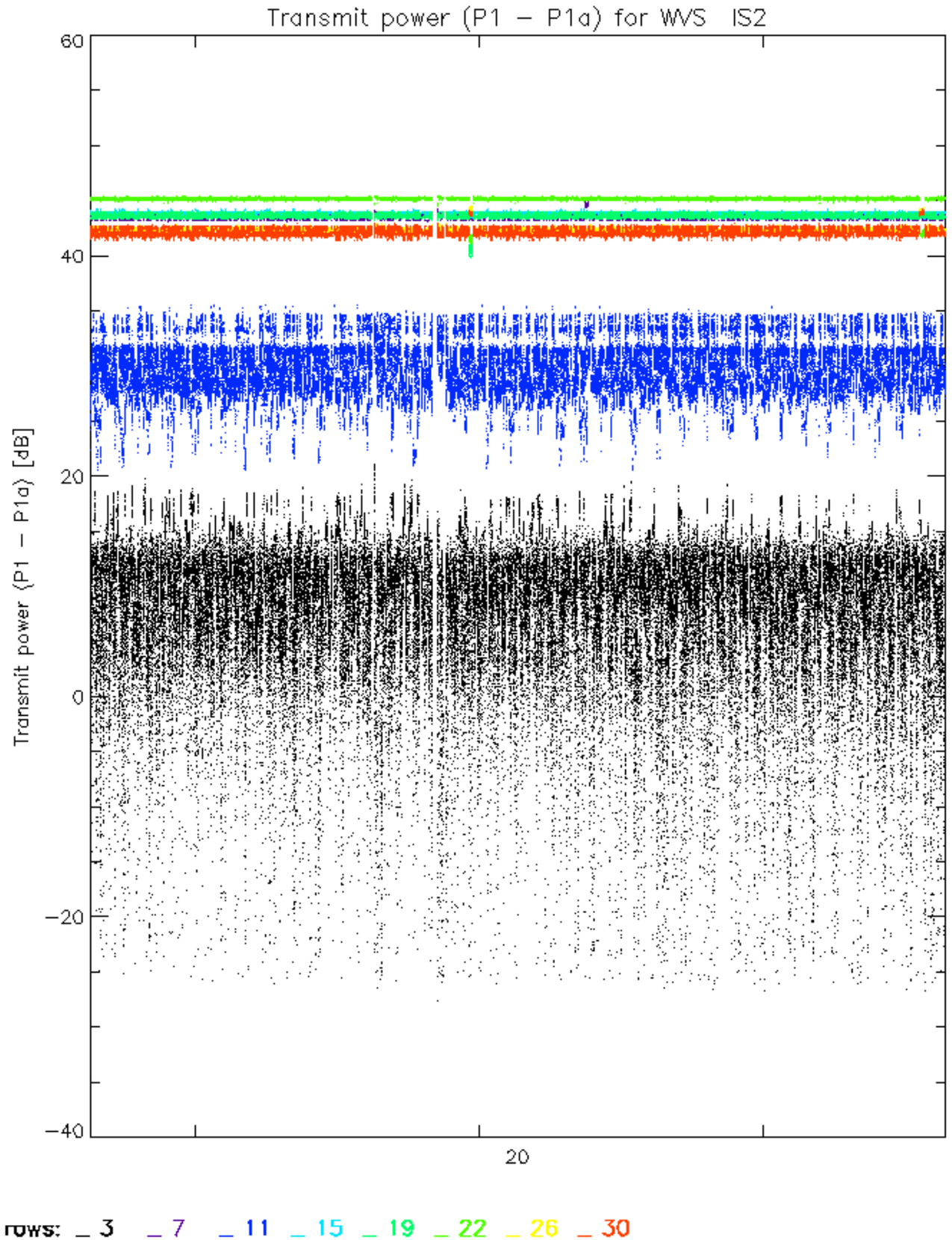

Reference: 2003-06-12 14:08:52 H
Test : 2005-07-24 06:12:33 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

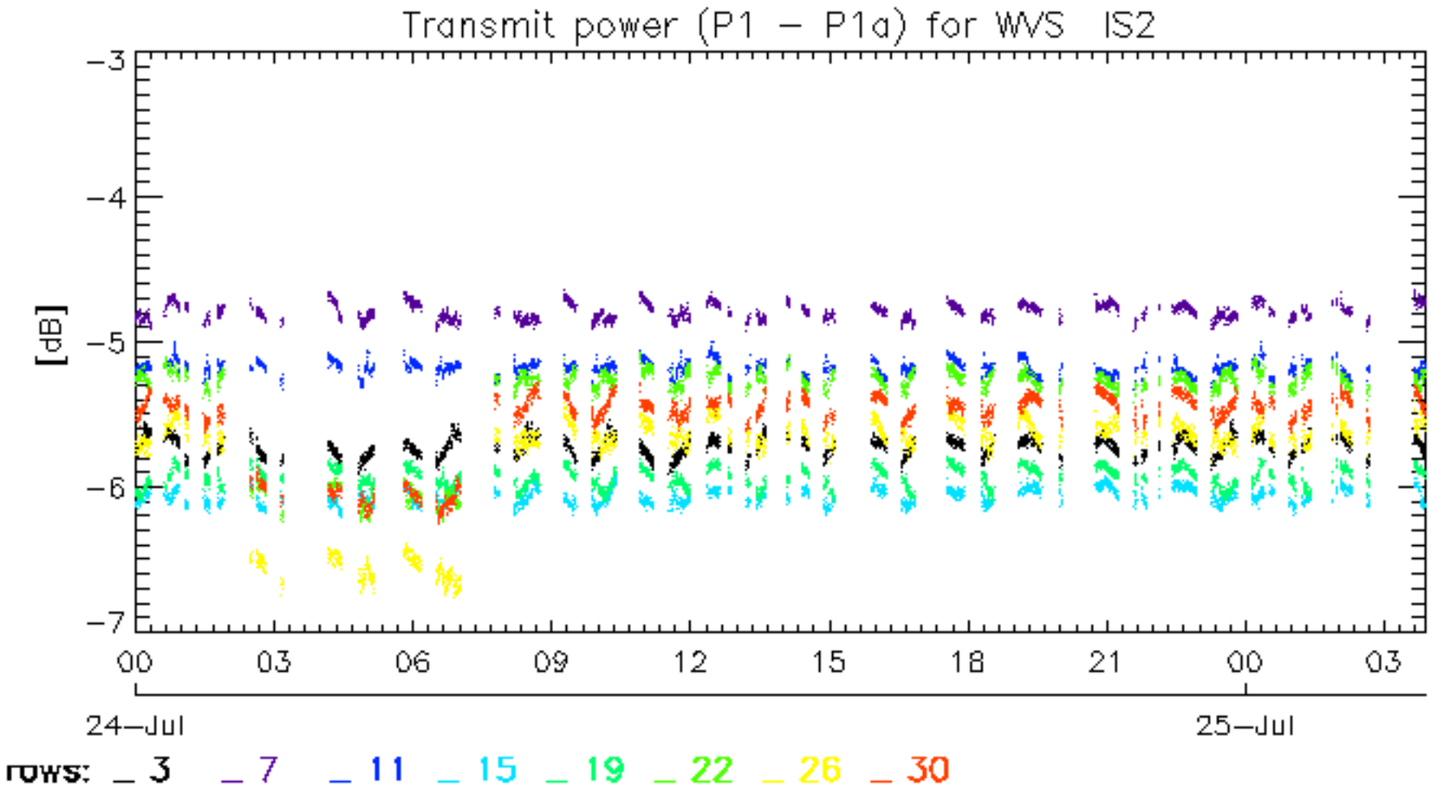

Reference: 2001-02-09 14:08:23 V
Test : 2005-07-23 06:44:10 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-07-23 06:44:10 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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


Transmit power (P1 – P1a) for GM1 SS3
[dB]
−2
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
00
03
25–Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Transmit power (P1 – P1a) for WVS IS2
[dB]
−3
−4
−5
−6
−7
00
03
06
09
12
15
18
21
00
03
24–Jul
25–Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No unavailabilities during the reported period.