# PRELIMINARY REPORT OF 050720

### last update on Wed Jul 20 10:57:19 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 2005-07-19 00:00:00 to 2005-07-20 10:57:19**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 26 | 44 | 13 | 3 | 23 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 26 | 44 | 13 | 3 | 23 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 26 | 44 | 13 | 3 | 23 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 26 | 44 | 13 | 3 | 23 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 33 | 55 | 33 | 6 | 48 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 33 | 55 | 33 | 6 | 48 |
| ASA_XCA_AXVIEC20041027_164238_20040412_000000_20051231_000000 | 33 | 55 | 33 | 6 | 48 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 33 | 55 | 33 | 6 | 48 |

### 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 | 20050719 085039 |
| H | 20050716 084454 |

**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 | -3.322480 | 0.006722 | 0.027248 |
| 7 | P1 | -3.137486 | 0.015210 | 0.014462 |
| 11 | P1 | -4.675076 | 0.033159 | -0.054247 |
| 15 | P1 | -5.543758 | 0.047231 | -0.054546 |
| 19 | P1 | -3.785229 | 0.045524 | -0.036200 |
| 22 | P1 | -4.610525 | 0.066497 | -0.028124 |
| 26 | P1 | -4.849632 | 0.071079 | 0.014515 |
| 30 | P1 | -7.206411 | 0.159122 | -0.076878 |
| 3 | P1 | -15.571076 | 0.084326 | -0.007580 |
| 7 | P1 | -15.541179 | 0.109700 | 0.085614 |
| 11 | P1 | -21.576246 | 0.260816 | -0.245210 |
| 15 | P1 | -11.290536 | 0.045039 | 0.015286 |
| 19 | P1 | -14.491412 | 0.257694 | -0.061070 |
| 22 | P1 | -15.802213 | 0.355802 | 0.178036 |
| 26 | P1 | -17.518265 | 0.254913 | 0.256961 |
| 30 | P1 | -17.757069 | 0.360929 | 0.124350 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.887457 | 0.082882 | 0.131640 |
| 7 | P2 | -22.067436 | 0.105300 | 0.181576 |
| 11 | P2 | -13.735344 | 0.105076 | 0.263720 |
| 15 | P2 | -7.102633 | 0.093189 | 0.085782 |
| 19 | P2 | -9.598264 | 0.094338 | 0.039054 |
| 22 | P2 | -16.860600 | 0.094255 | 0.032684 |
| 26 | P2 | -16.506483 | 0.096399 | 0.032163 |
| 30 | P2 | -18.789291 | 0.083344 | 0.004037 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 7 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 11 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 15 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 19 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 22 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 26 | P3 | -8.159029 | 0.002754 | 0.017775 |
| 30 | P3 | -8.159029 | 0.002754 | 0.017775 |

#### 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 | -2.786471 | 0.013845 | 0.026043 |
| 7 | P1 | -2.952387 | 0.031735 | 0.007369 |
| 11 | P1 | -3.991347 | 0.017169 | -0.023472 |
| 15 | P1 | -3.558733 | 0.023629 | -0.053215 |
| 19 | P1 | -3.672638 | 0.117253 | -0.006120 |
| 22 | P1 | -5.670871 | 0.111713 | -0.037361 |
| 26 | P1 | -7.379327 | 0.196624 | -0.073427 |
| 30 | P1 | -6.321628 | 0.118392 | -0.071577 |
| 3 | P1 | -10.820761 | 0.039165 | 0.034850 |
| 7 | P1 | -10.439065 | 0.158282 | -0.024268 |
| 11 | P1 | -12.603592 | 0.110901 | -0.055035 |
| 15 | P1 | -11.615716 | 0.074702 | 0.009307 |
| 19 | P1 | -15.682198 | 1.356174 | 0.029382 |
| 22 | P1 | -25.867973 | 3.504683 | 0.405075 |
| 26 | P1 | -15.447913 | 0.416836 | 0.204453 |
| 30 | P1 | -20.145773 | 1.283665 | 0.255346 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.638453 | 0.047237 | 0.138358 |
| 7 | P2 | -22.066565 | 0.040146 | 0.076895 |
| 11 | P2 | -9.737309 | 0.061676 | 0.180038 |
| 15 | P2 | -5.130404 | 0.046463 | 0.020726 |
| 19 | P2 | -6.909901 | 0.063242 | 0.014397 |
| 22 | P2 | -7.089978 | 0.039482 | 0.034611 |
| 26 | P2 | -23.967808 | 0.043781 | -0.017250 |
| 30 | P2 | -21.959993 | 0.041433 | 0.022428 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -7.998802 | 0.004127 | 0.000900 |
| 7 | P3 | -7.998859 | 0.004113 | 0.001081 |
| 11 | P3 | -7.998784 | 0.004119 | 0.001395 |
| 15 | P3 | -7.998830 | 0.004126 | 0.001218 |
| 19 | P3 | -7.998875 | 0.004129 | 0.000859 |
| 22 | P3 | -7.998859 | 0.004112 | 0.000958 |
| 26 | P3 | -7.998944 | 0.004114 | 0.001144 |
| 30 | P3 | -7.998882 | 0.004115 | 0.001084 |

## 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 | 0.000463341 |
| | stdev | 2.18315e-07 |
| MEAN Q | mean | 0.000497778 |
| | stdev | 2.33258e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.127625 |
| | stdev | 0.000989947 |
| STDEV Q | mean | 0.127865 |
| | stdev | 0.00100043 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005071[890]
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_1PNPDK20050710_124045_000000362038_00482_17570_1372.N1 | 1 | 0 |
| ASA_IMM_1PNPDK20050710_124045_000000372038_00482_17570_1379.N1 | 1 | 0 |
| ASA_IMM_1PNPDK20050719_125658_000000542039_00110_17699_1848.N1 | 1 | 0 |
| ASA_WSM_1PNPDE20050710_141215_000000672038_00483_17571_3333.N1 | 0 | 39 |
| ASA_WSM_1PNPDE20050719_201133_000000852039_00114_17703_0289.N1 | 0 | 34 |

# 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) |
| --- |
|  |

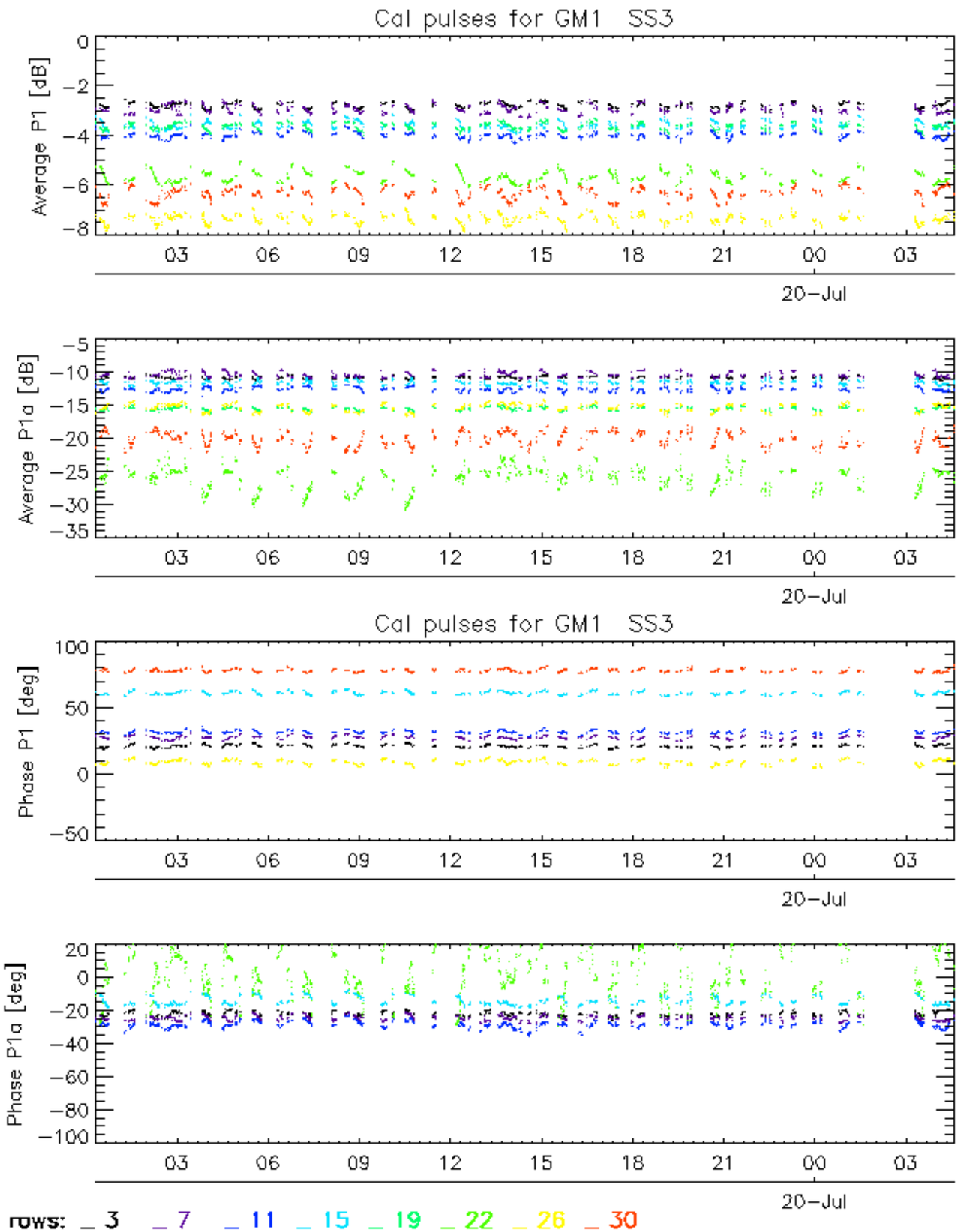
| Acsending |
| --- |
| ☒ |
| Descending |

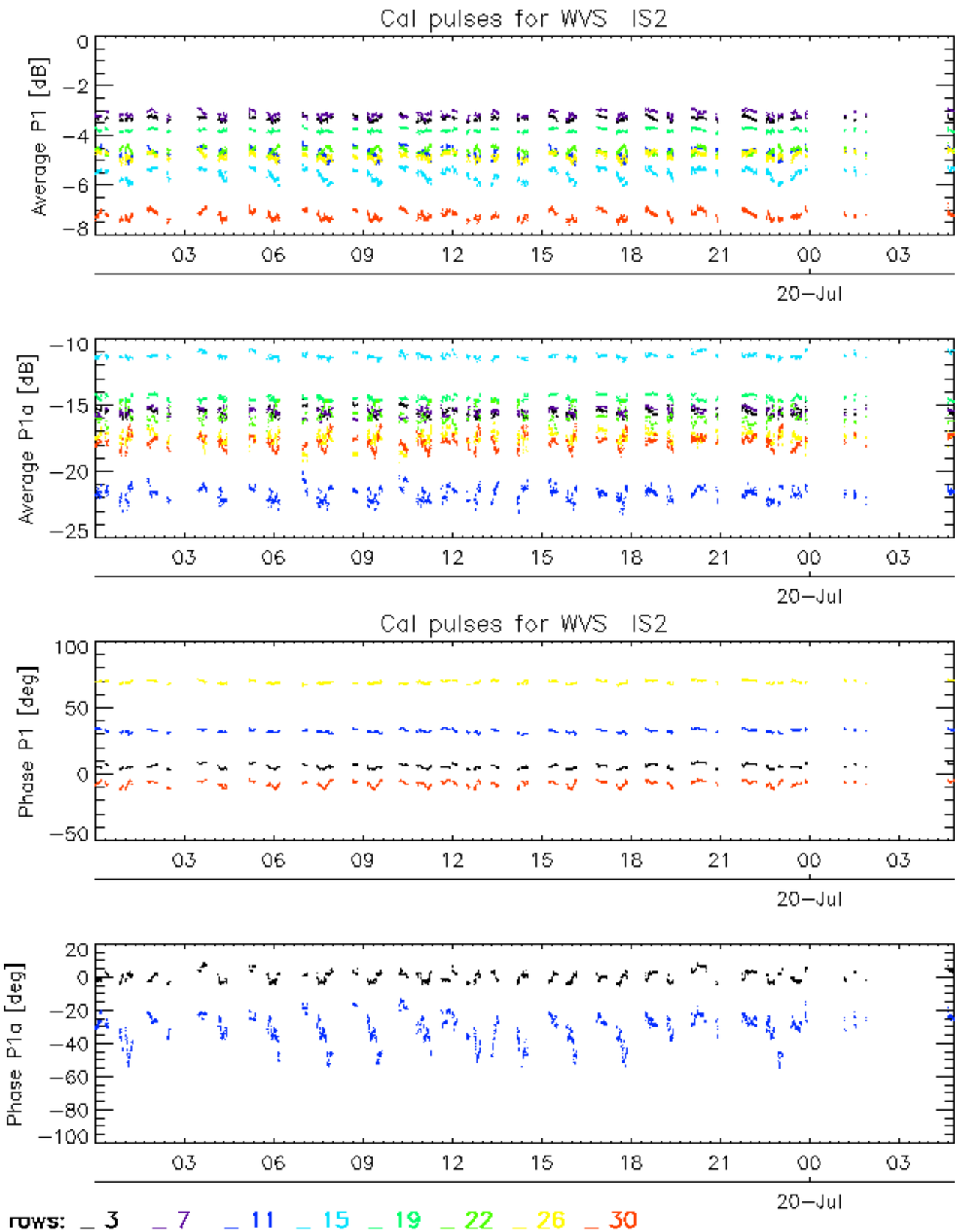
## 7.5 - Absolute Doppler for GM1

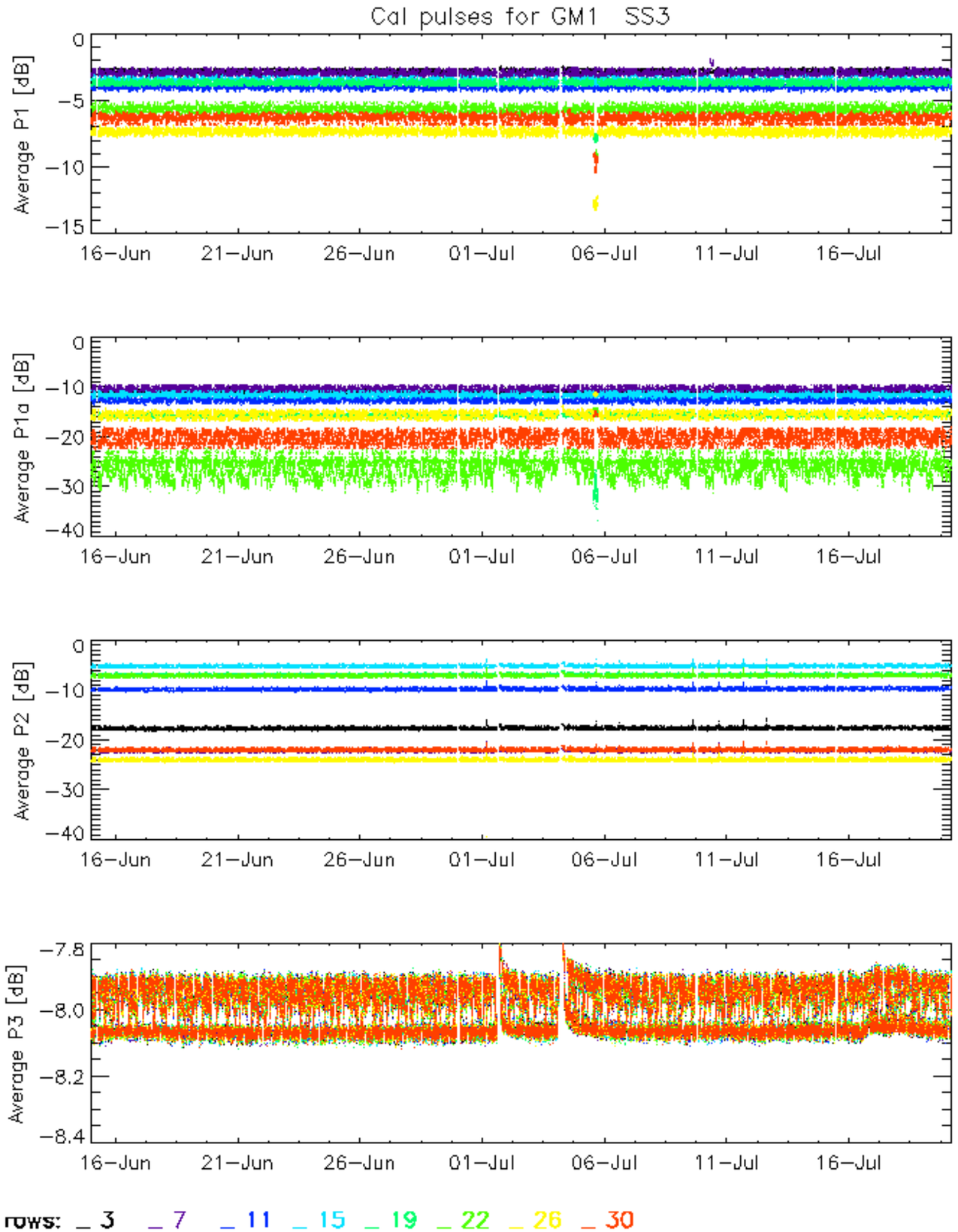
| **Evolution of Absolute Doppler** |
| --- |
| ☒ |
| Acsending |
| ☒ |
| Descending |

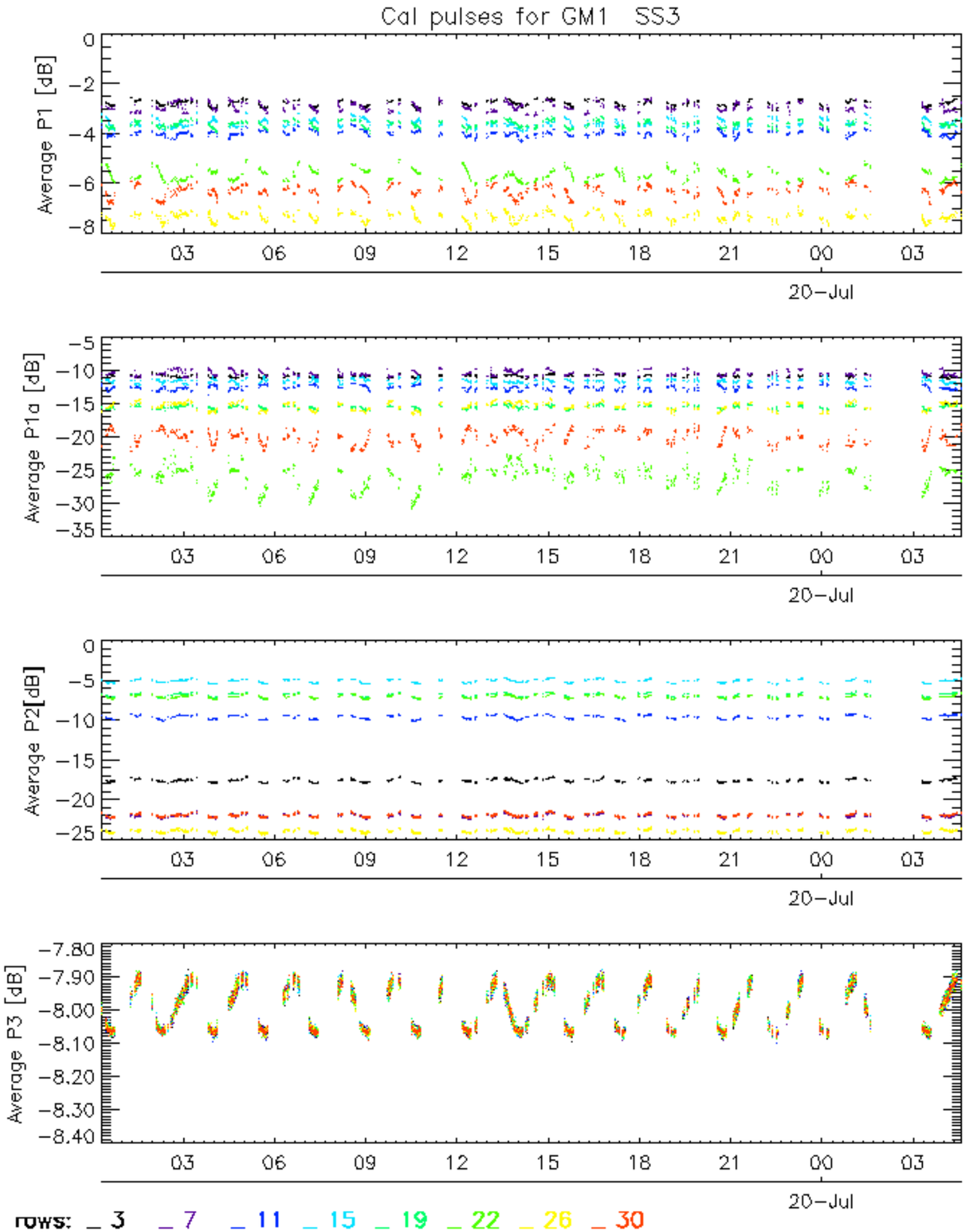
## 7.6 - Doppler evolution versus ANX for GM1

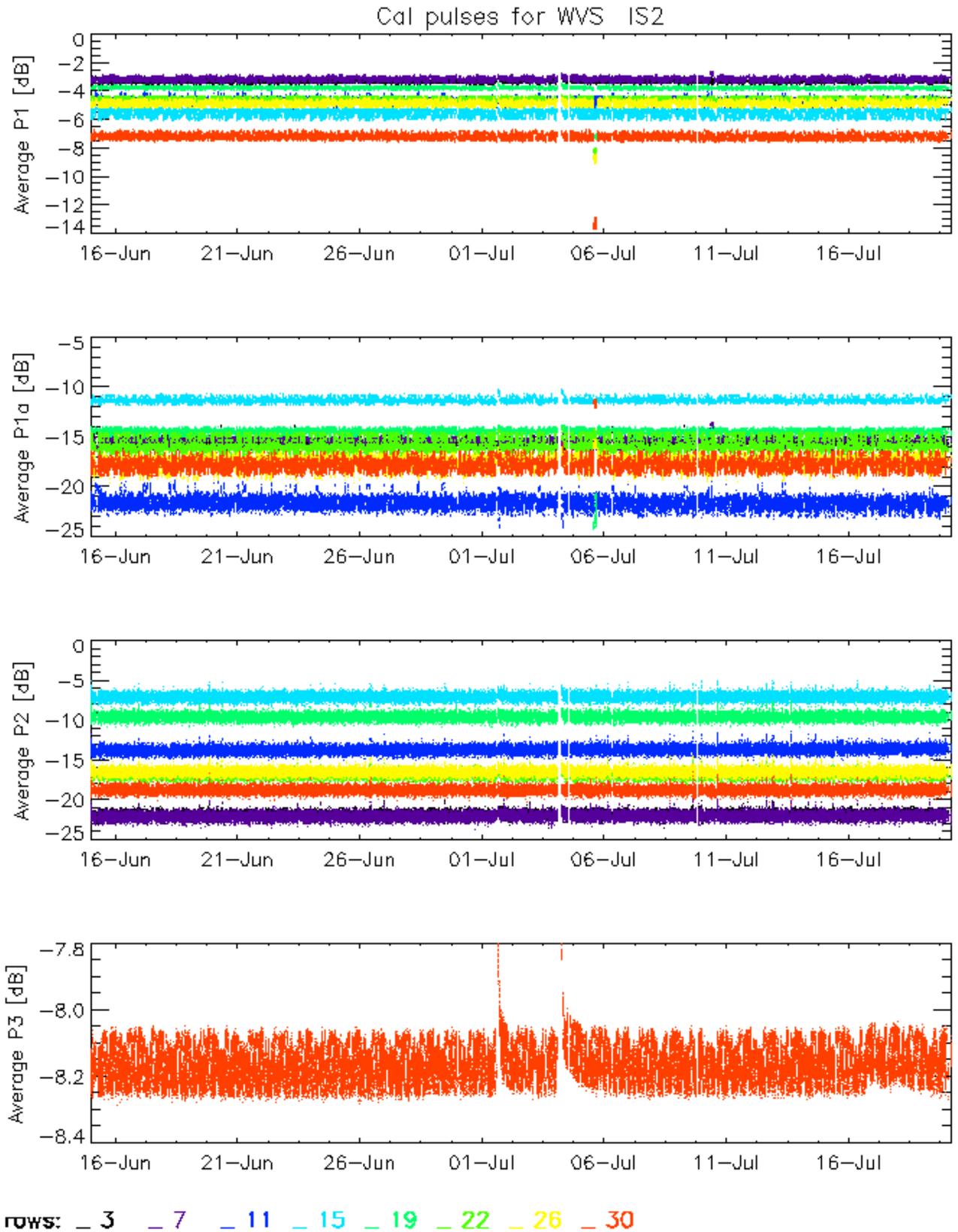
| **Evolution Doppler error versus ANX** |
| --- |
| ☒ |

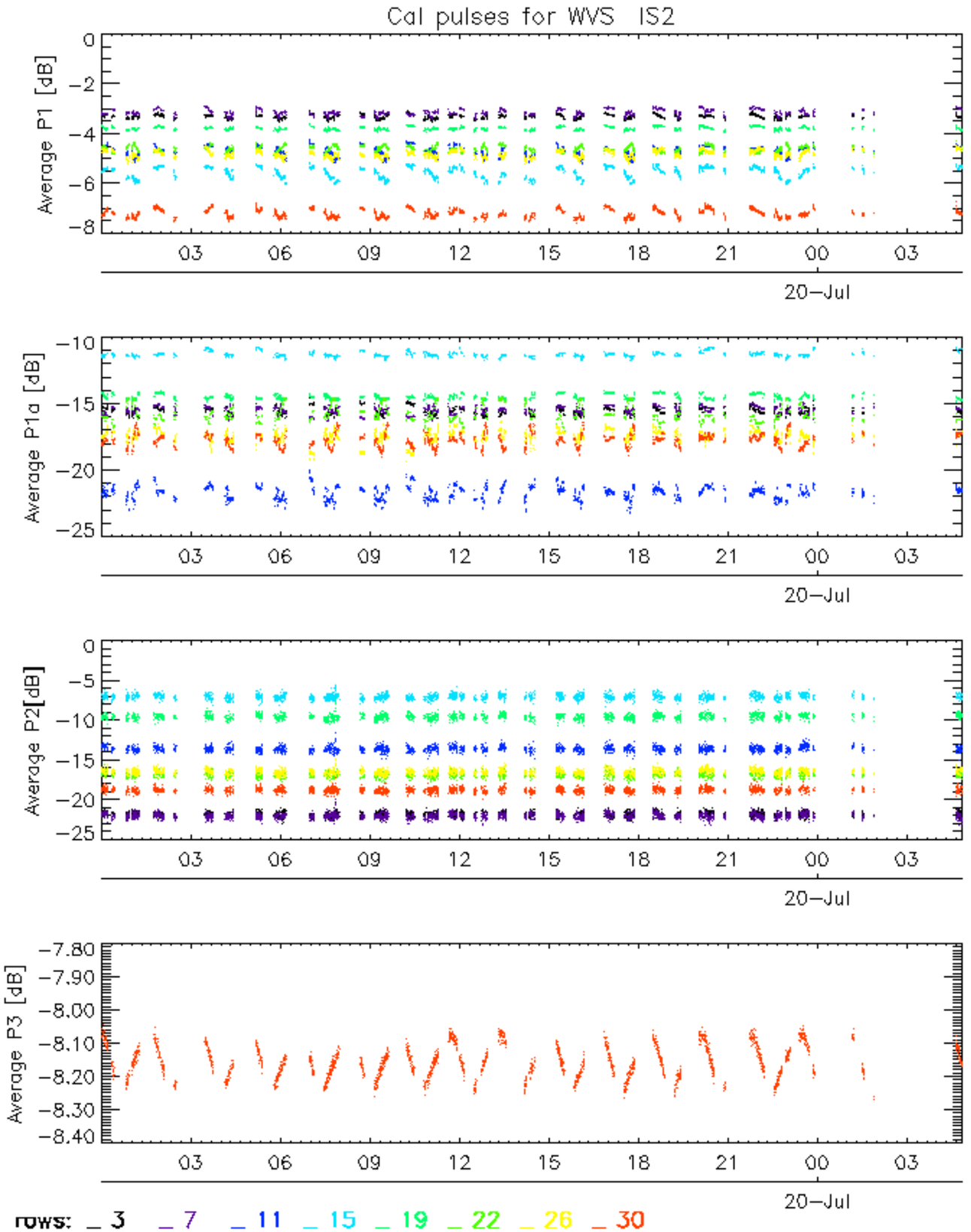

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
20−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Cal pulses for GM1 SS3
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
20−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

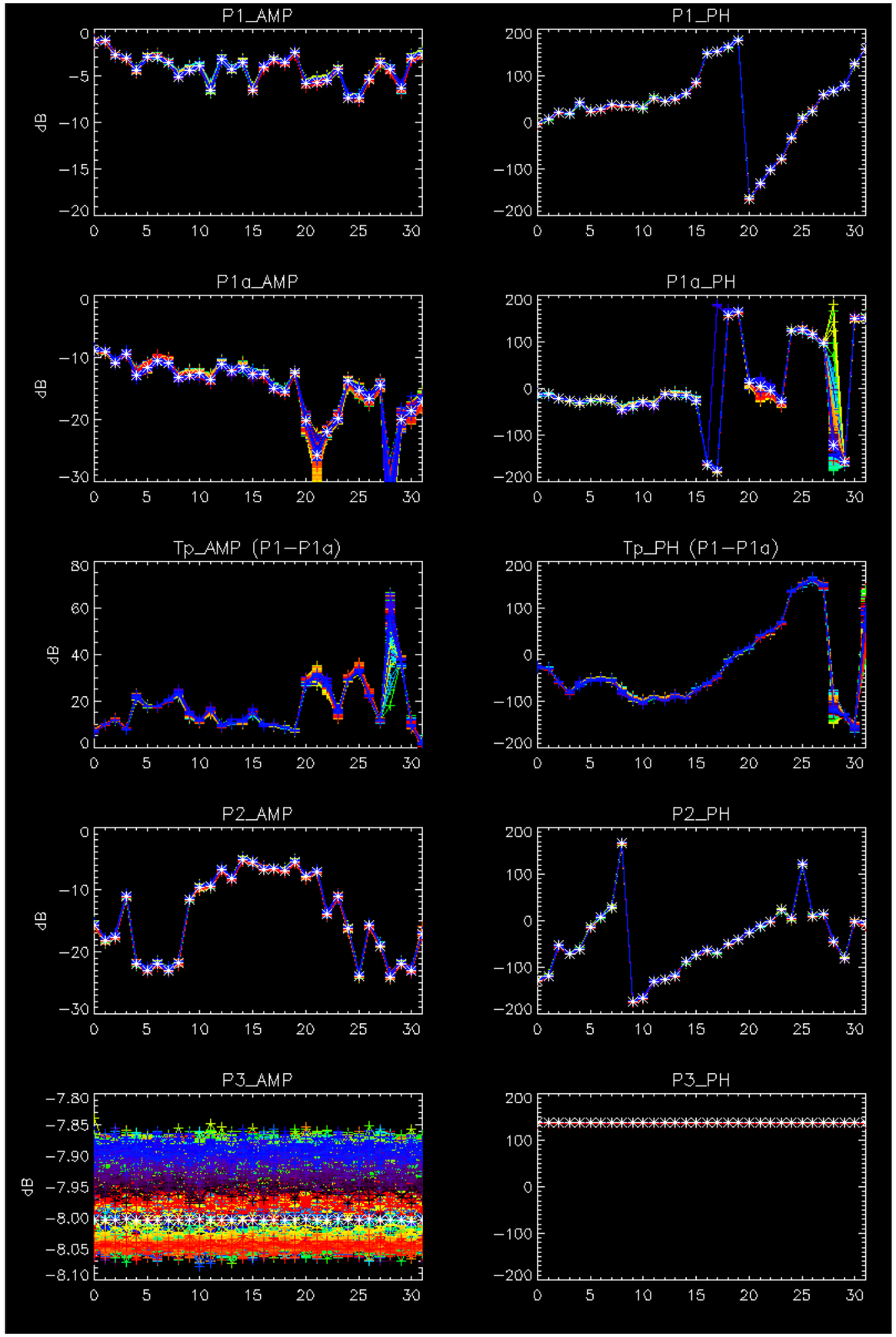

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
16−Jun
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul
Average P1a [dB]
0
−10
−20
−30
−40
Average P2 [dB]
0
−10
−20
−30
−40
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

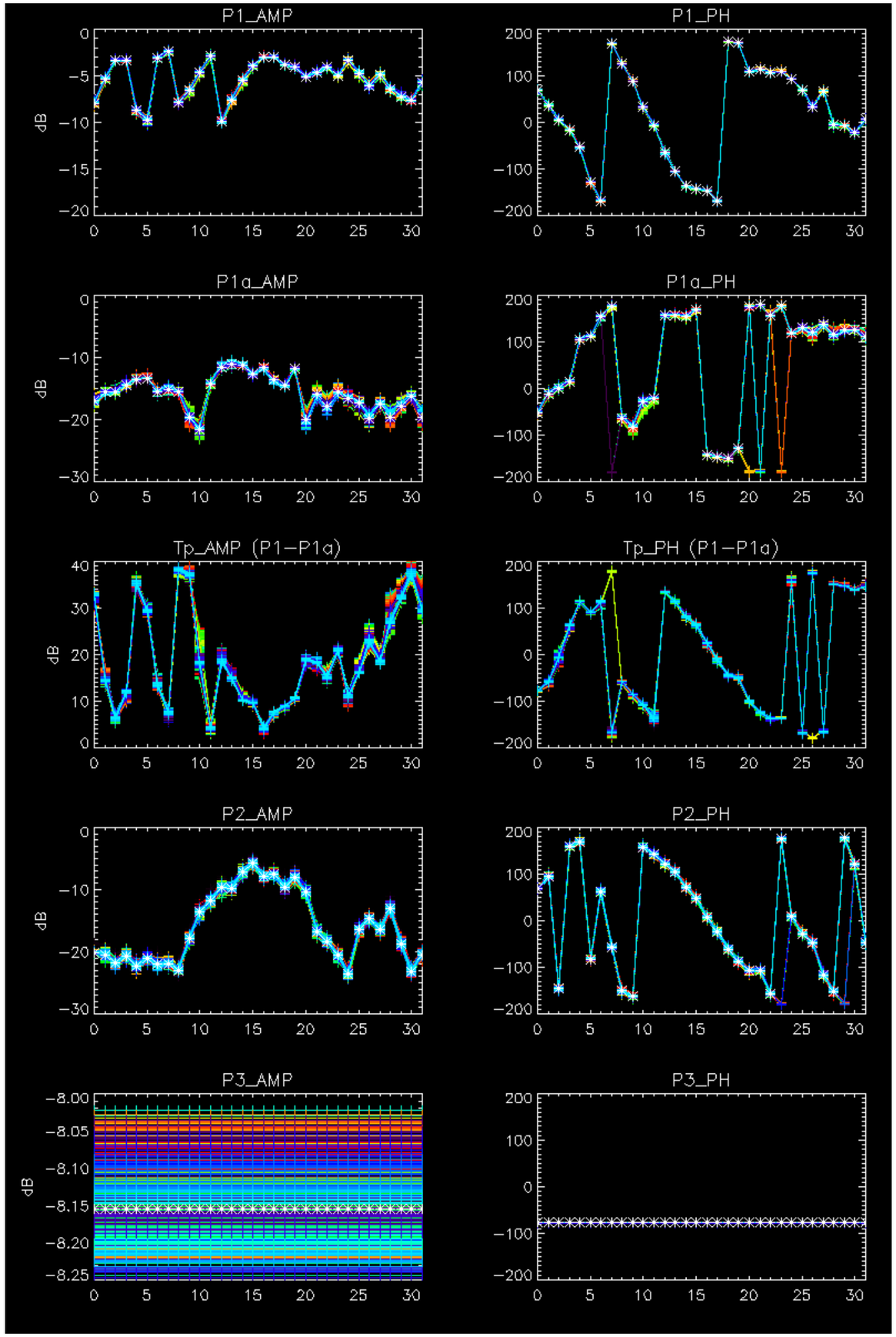

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
20−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
−14
16−Jun
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−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
03
06
09
12
15
18
21
00
03
20−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

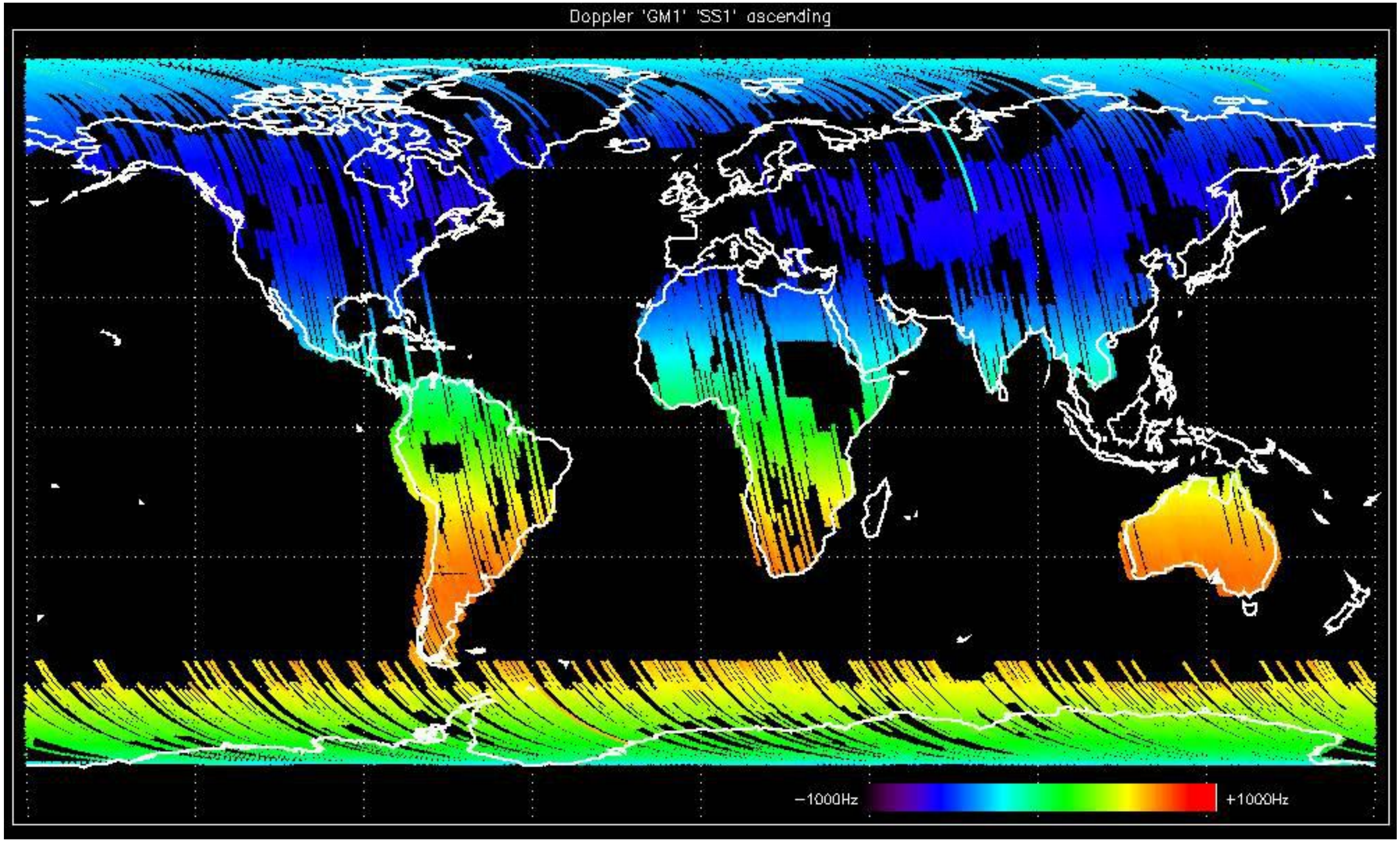
No anomalies observed.

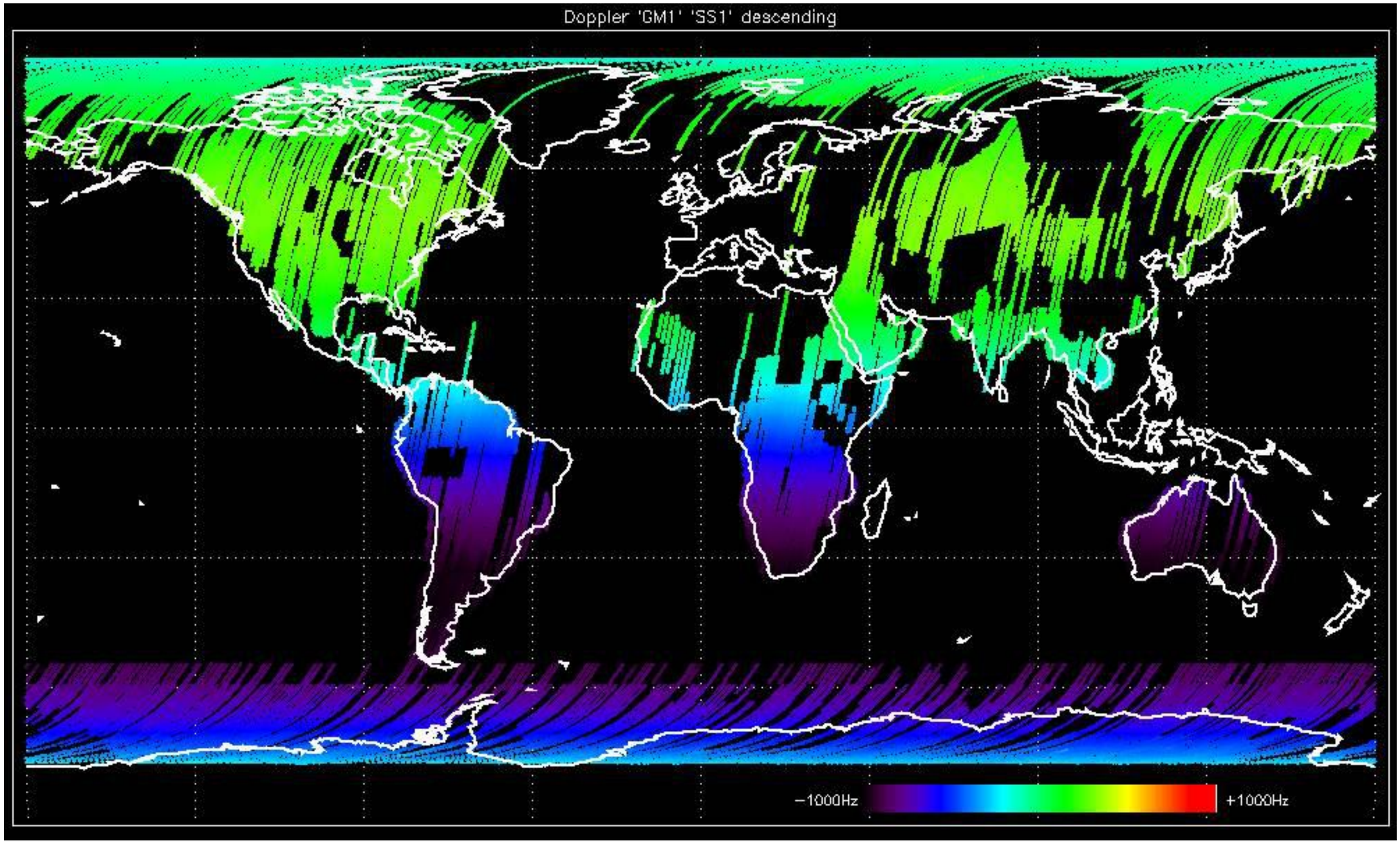

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

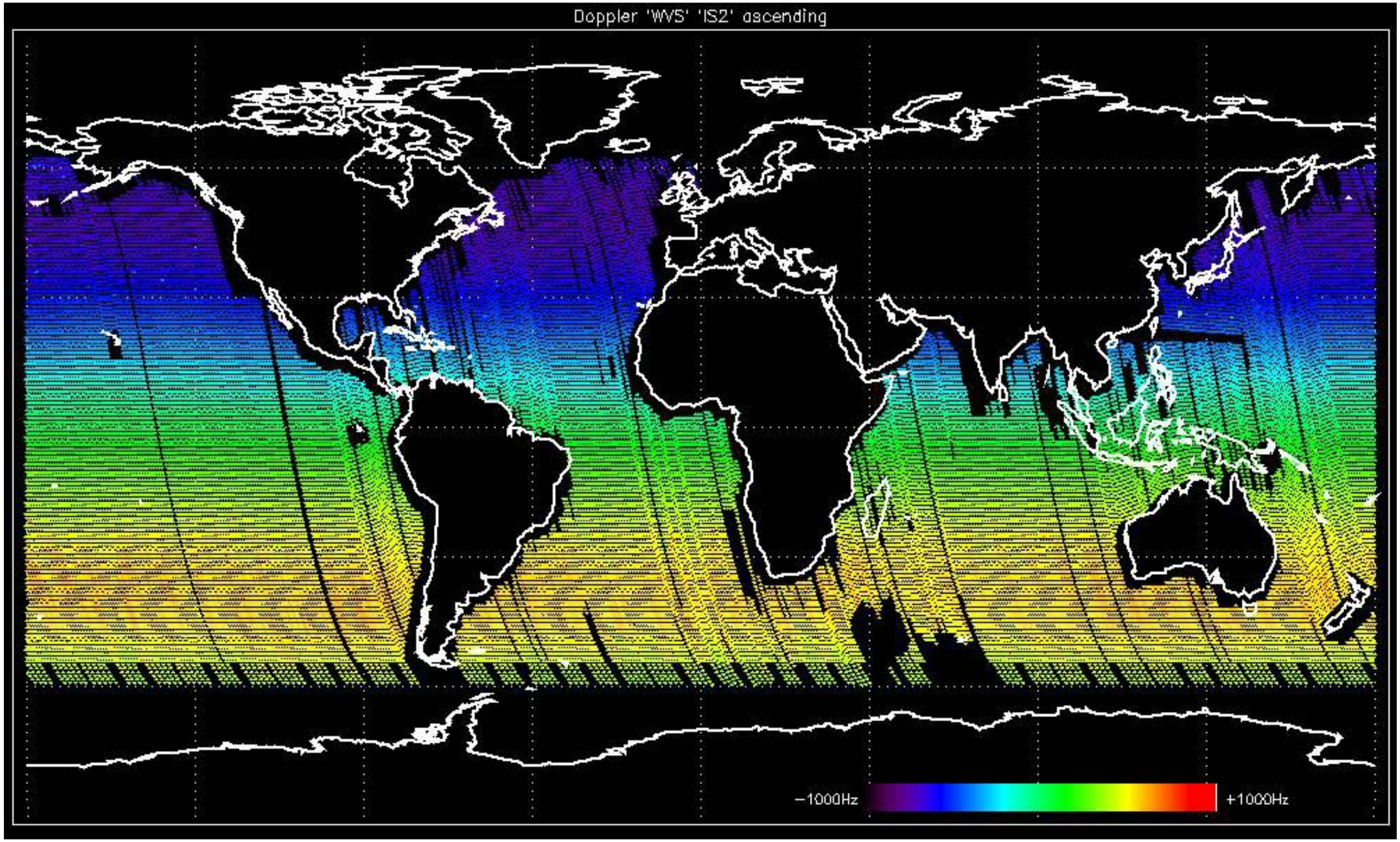

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

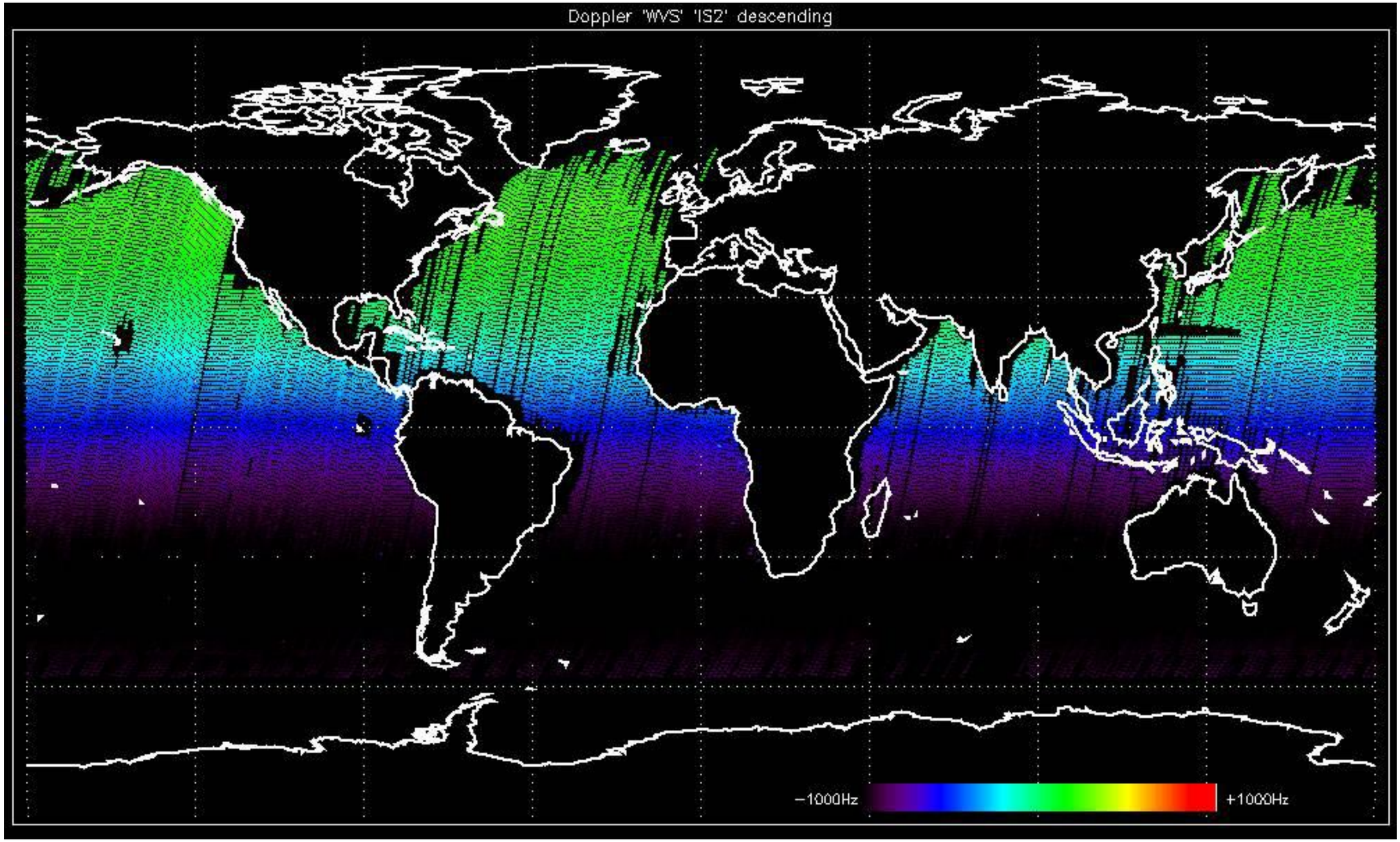
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

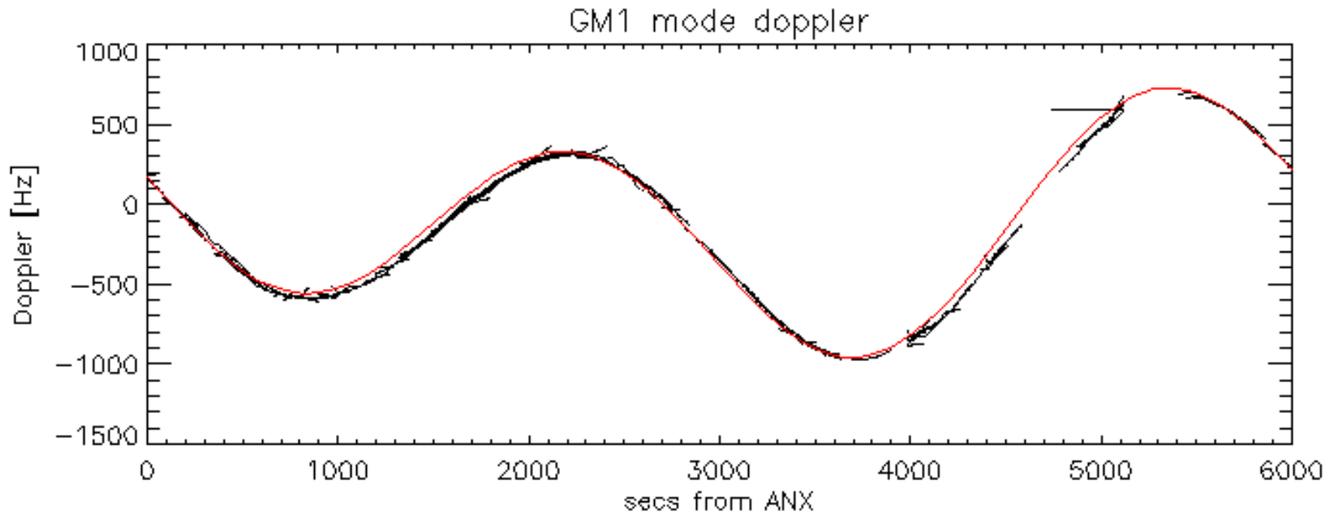
Preliminary report.The data is not yet controled

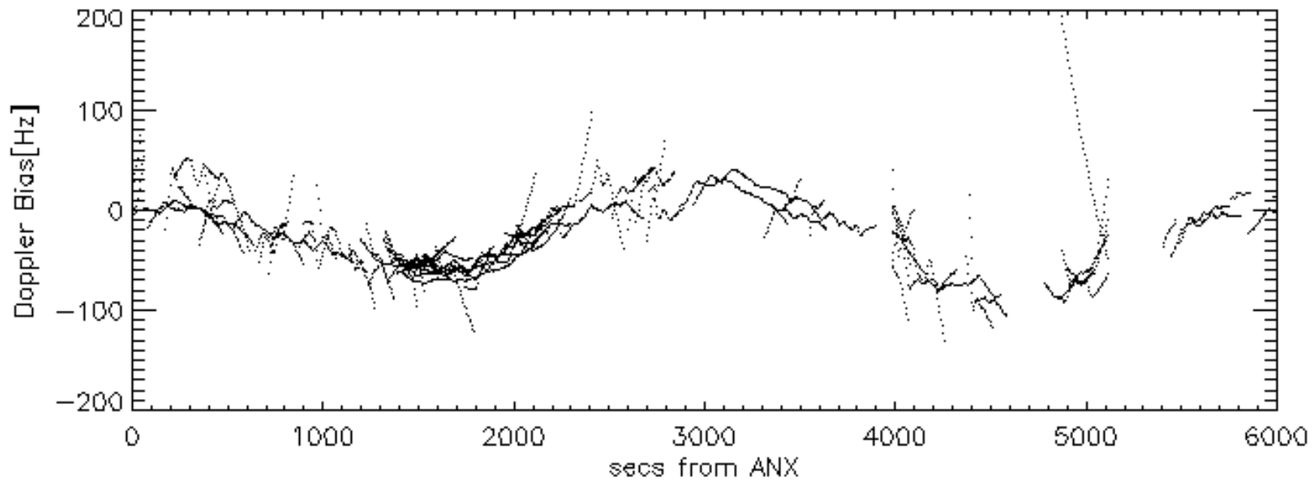

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

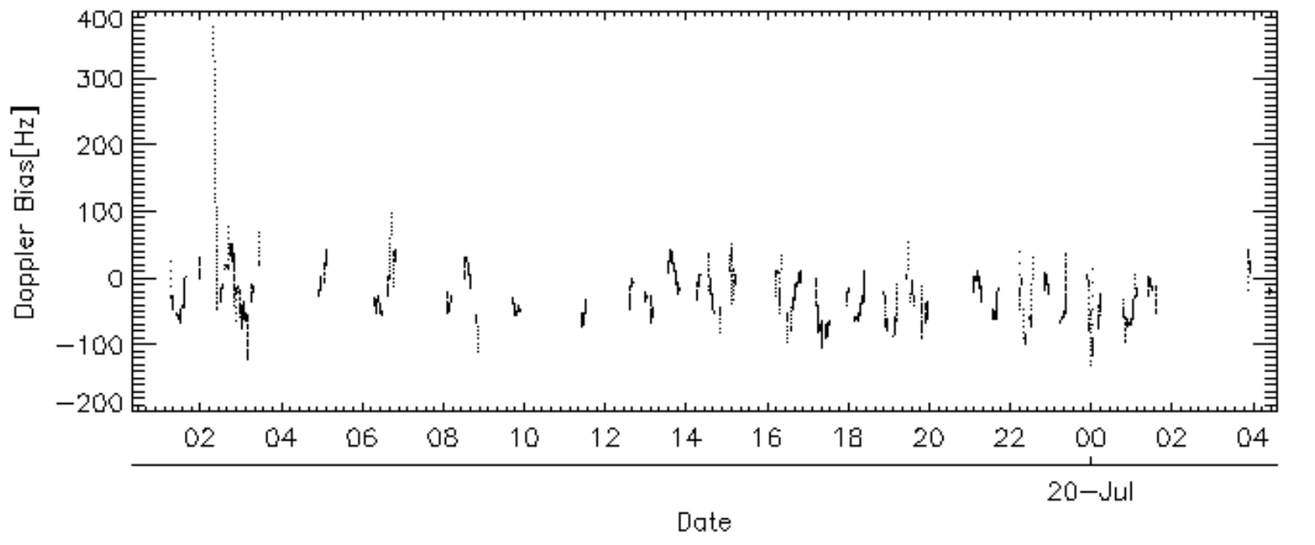

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

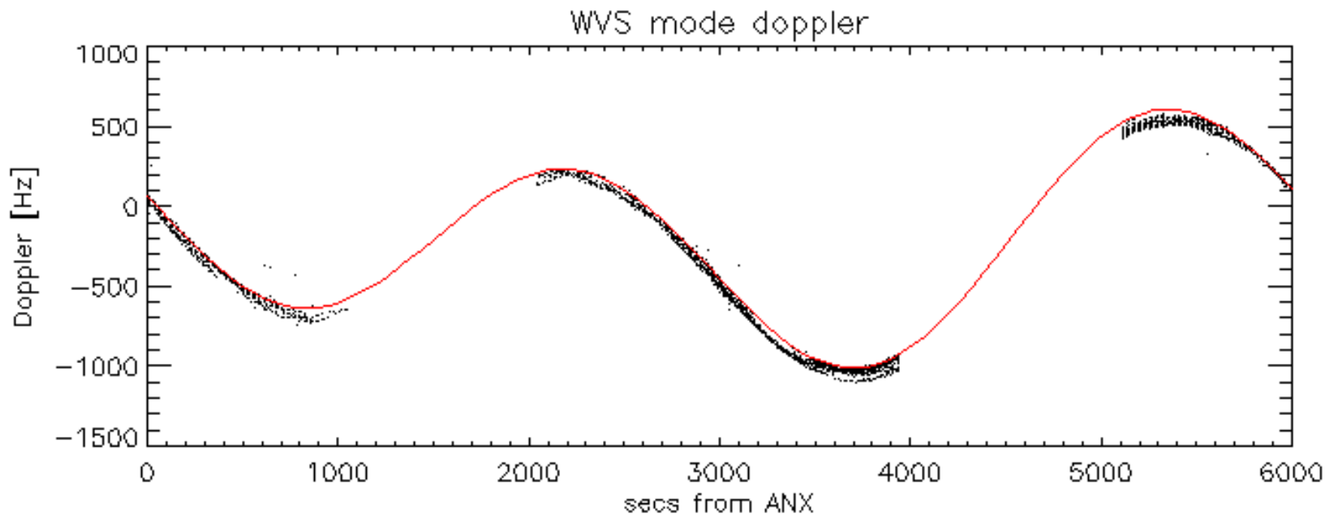

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

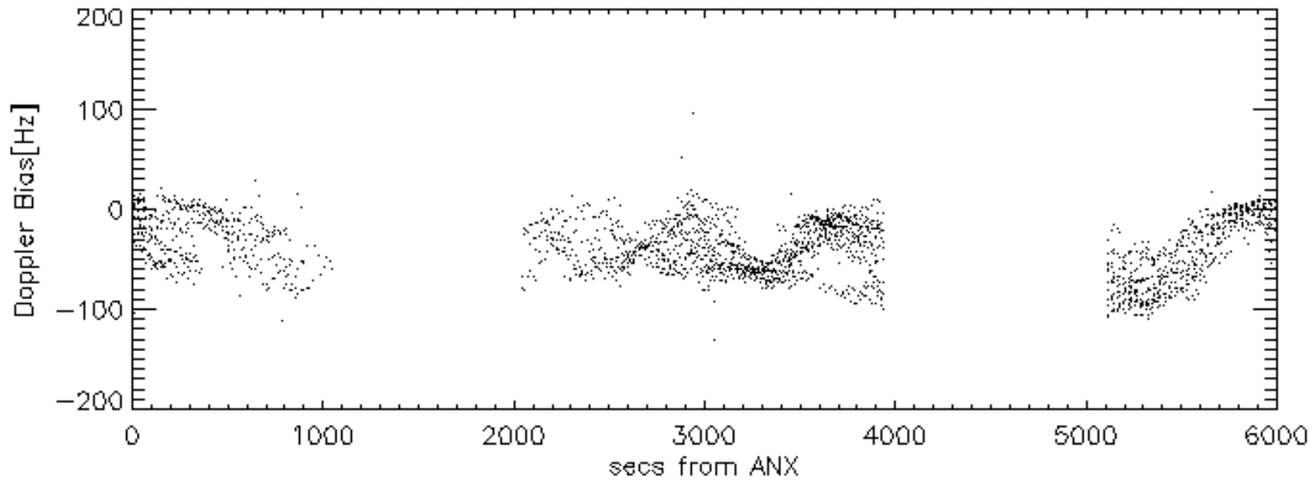

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

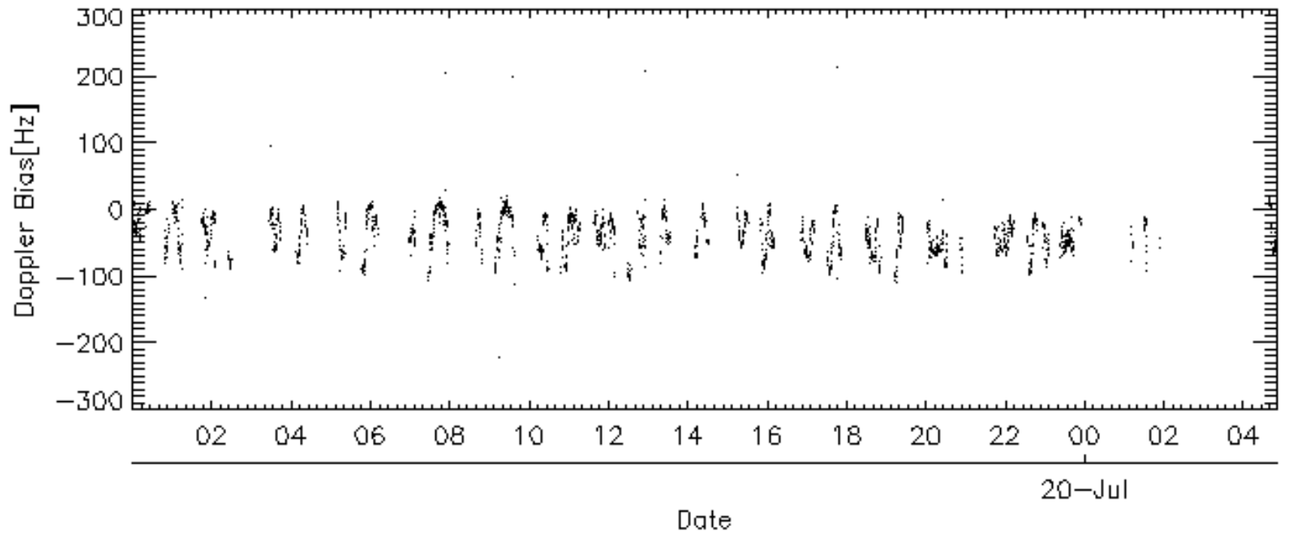

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

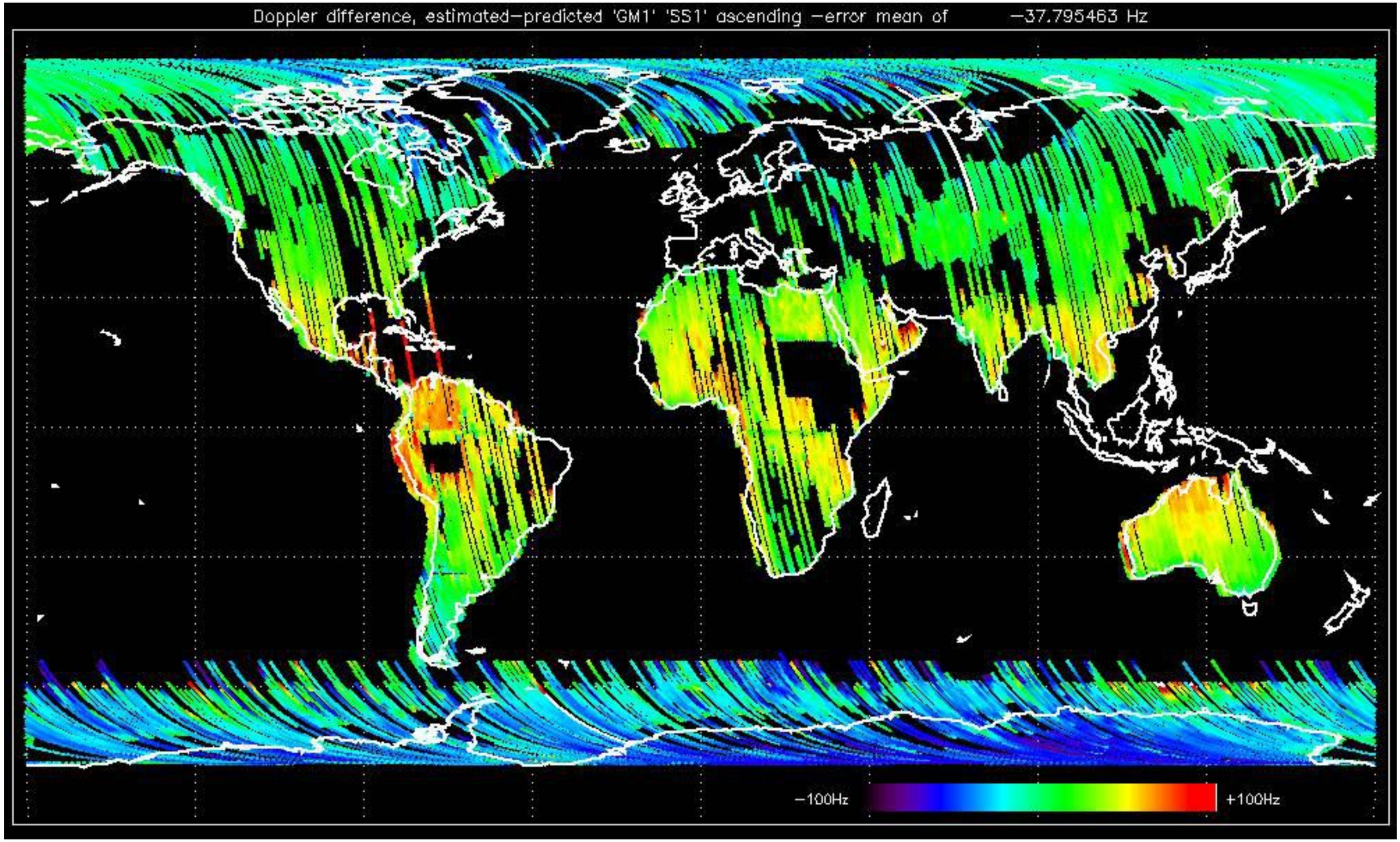

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

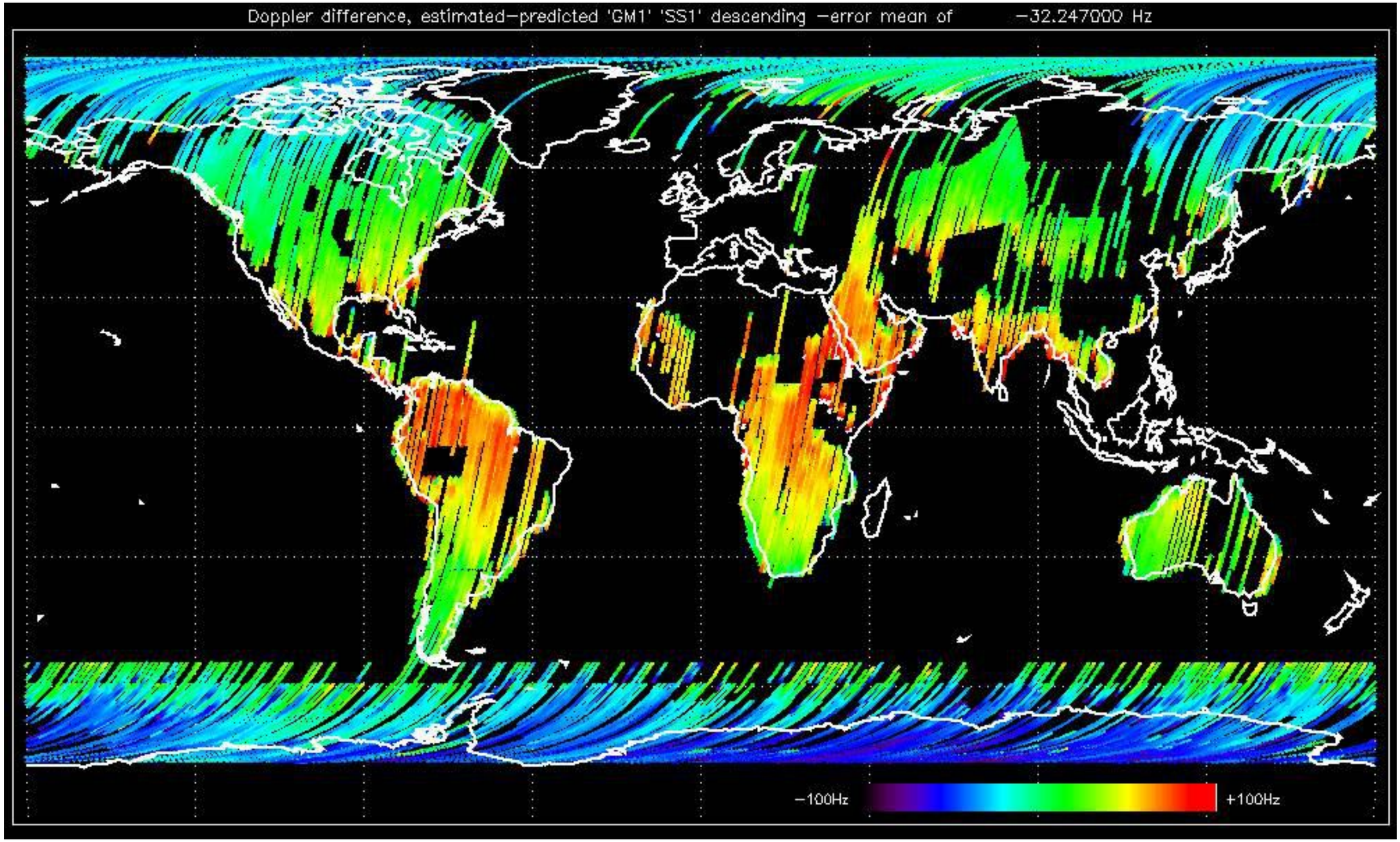

Doppler Bias[Hz]
400
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
20−Jul
Date

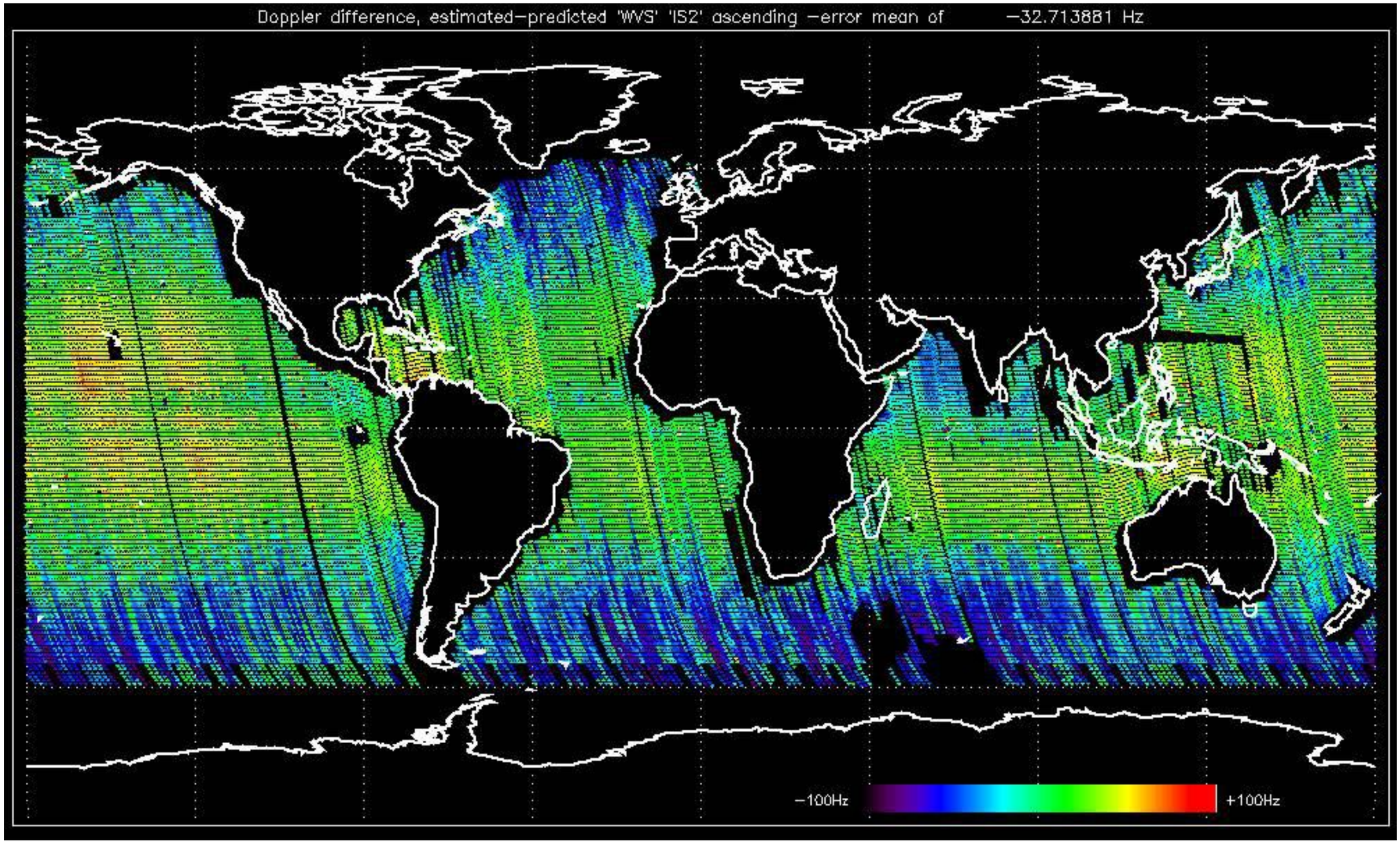

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

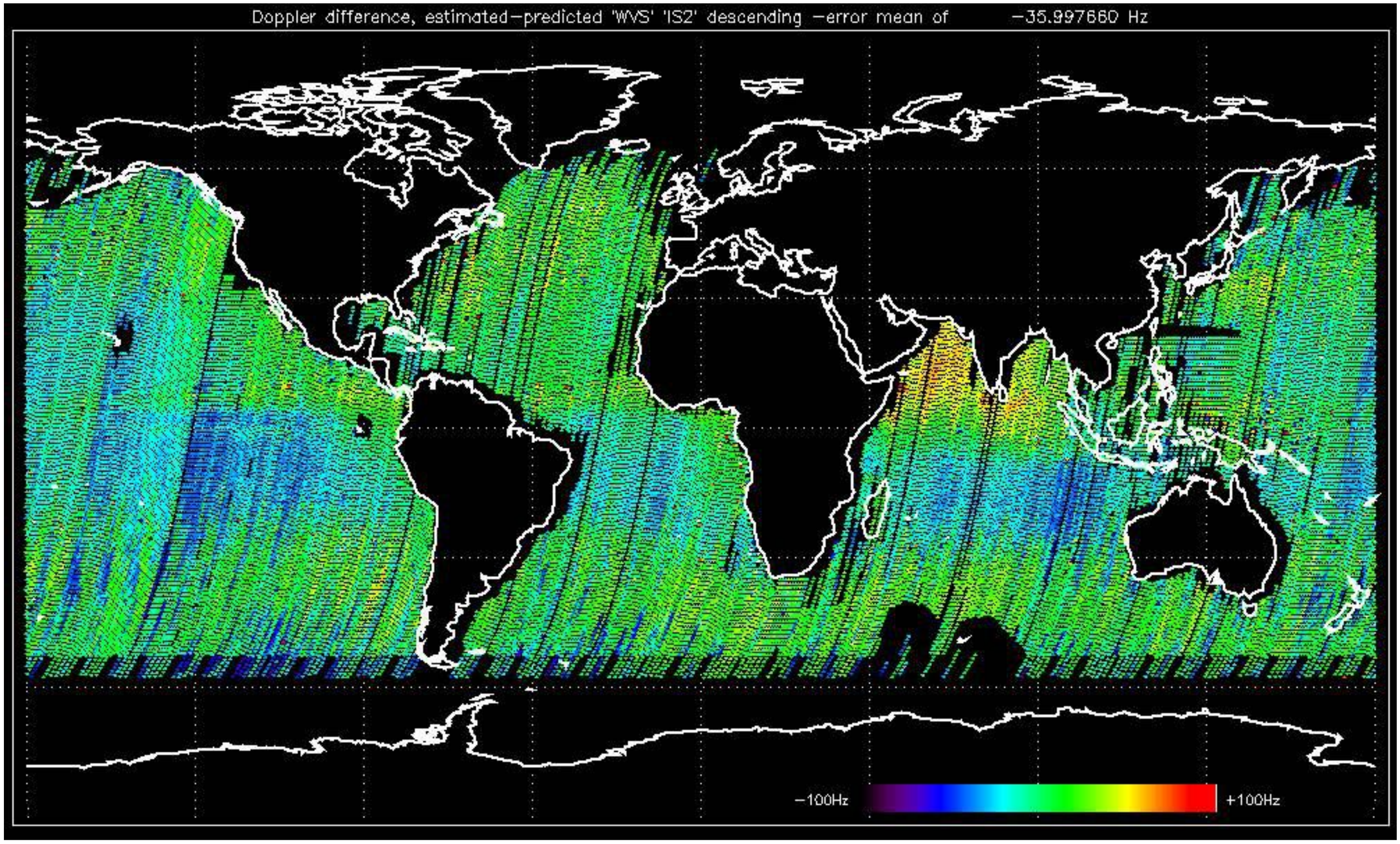

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −37.795463 Hz
−100Hz
+100Hz

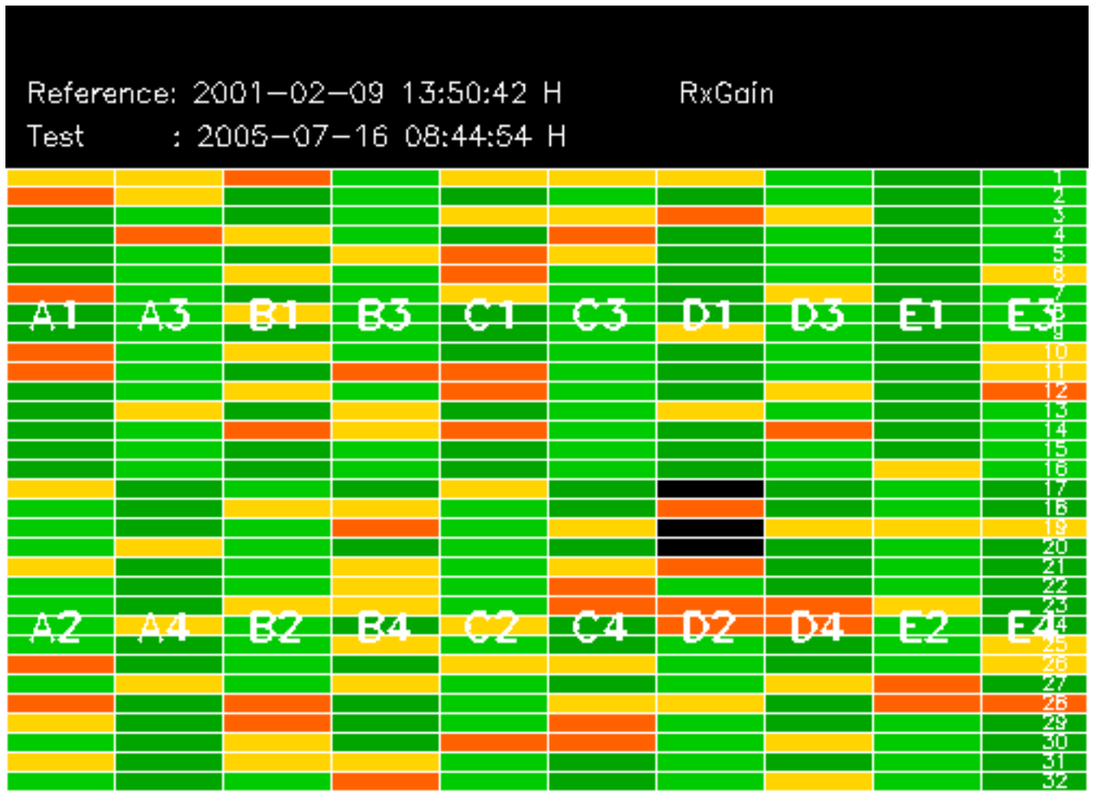

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −32.247000 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −32.713881 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −35.997660 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-07-16 08:44:54 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
Test : 2005-07-16 08:44:54 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
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5
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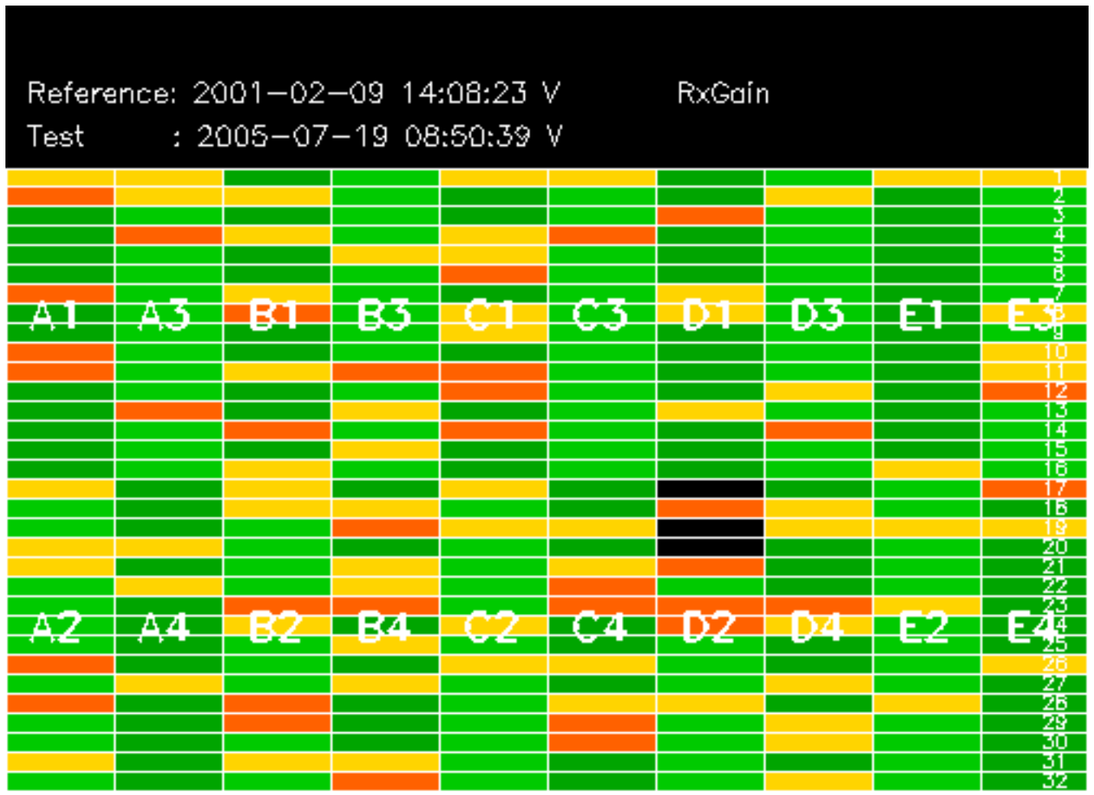
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-07-19 08:50:39 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
9
10
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12
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14
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16
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21
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27
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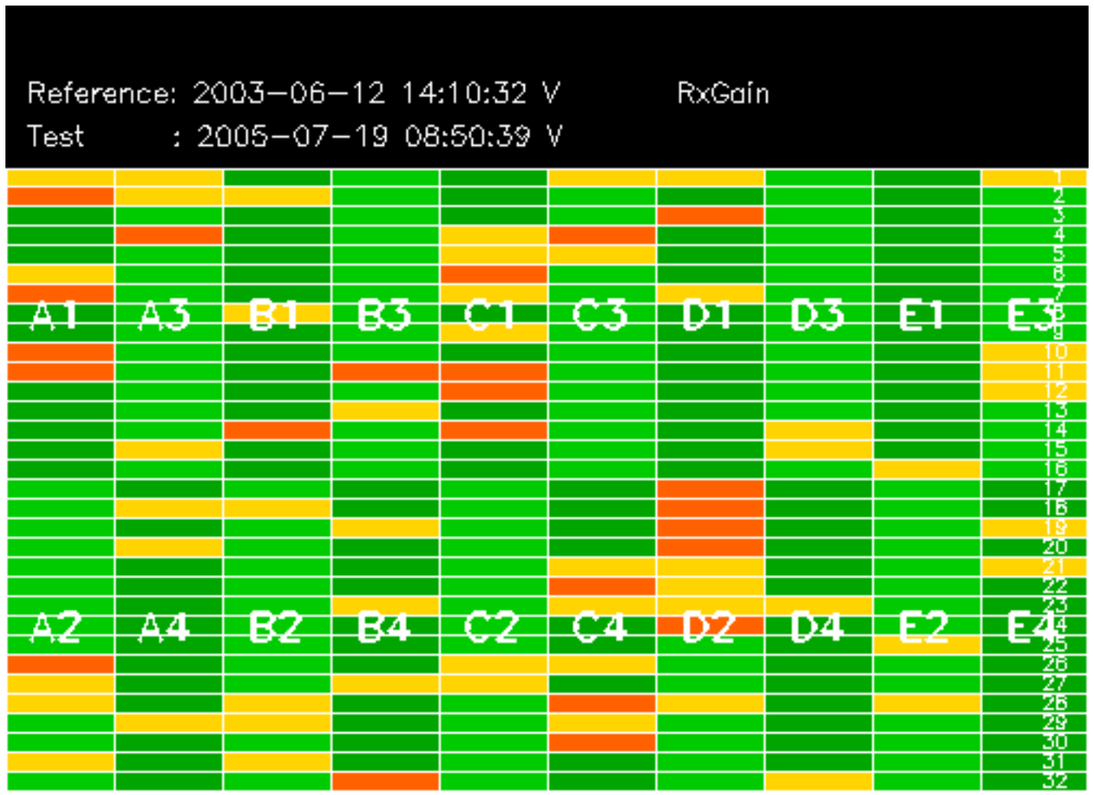
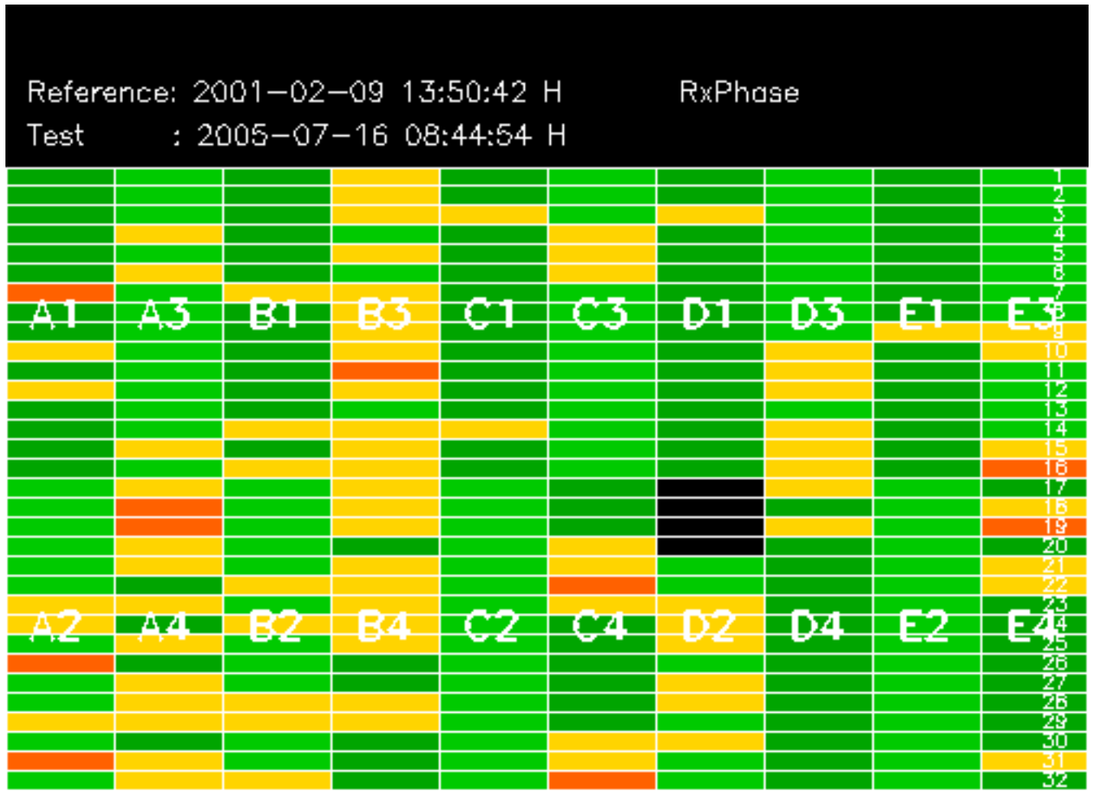
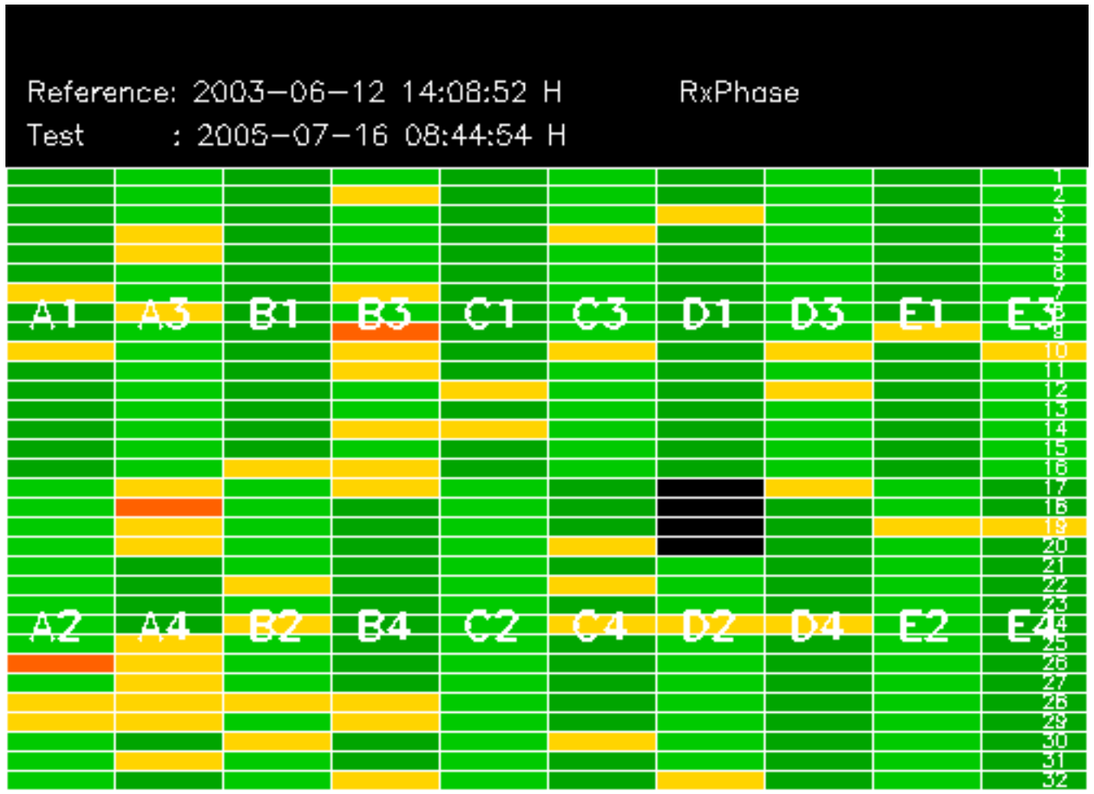
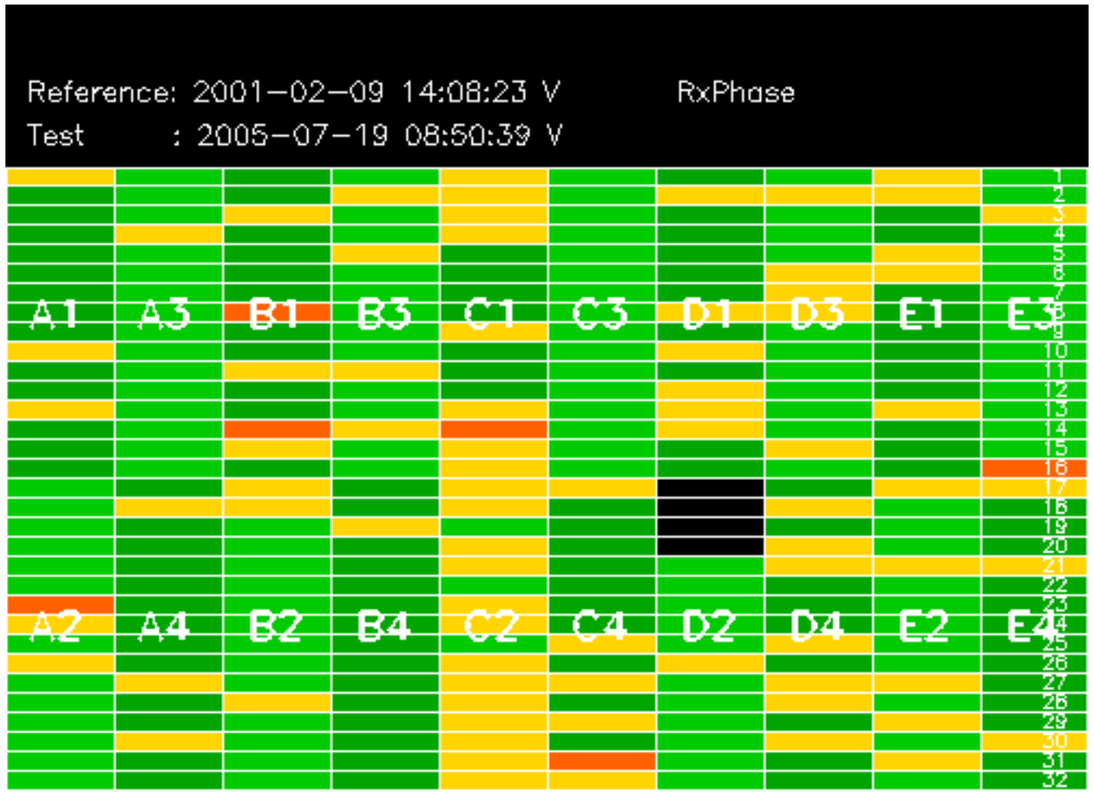
29
30
31
32


Reference: 2003-06-12 14:10:32 V
Test : 2005-07-19 08:50:39 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 : 2005-07-16 08:44:54 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
Test : 2005-07-16 08:44:54 H
RxPhase
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 : 2005-07-19 08:50:39 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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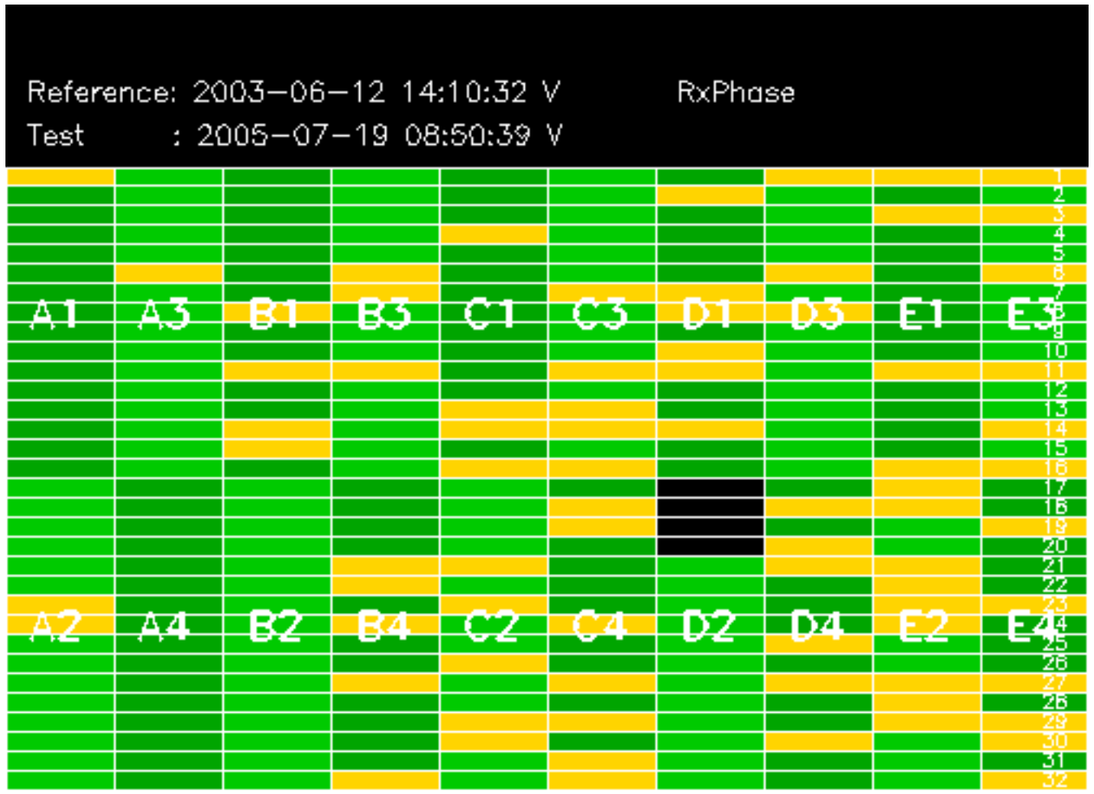
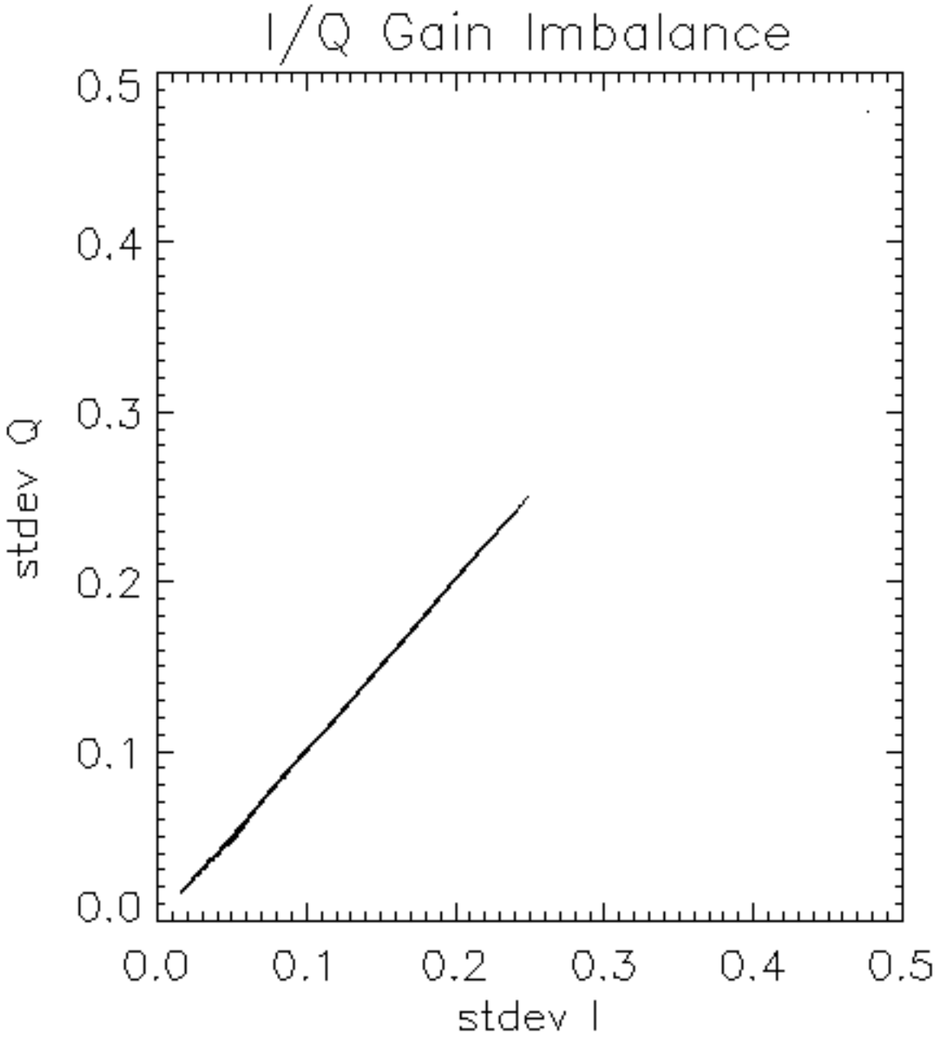
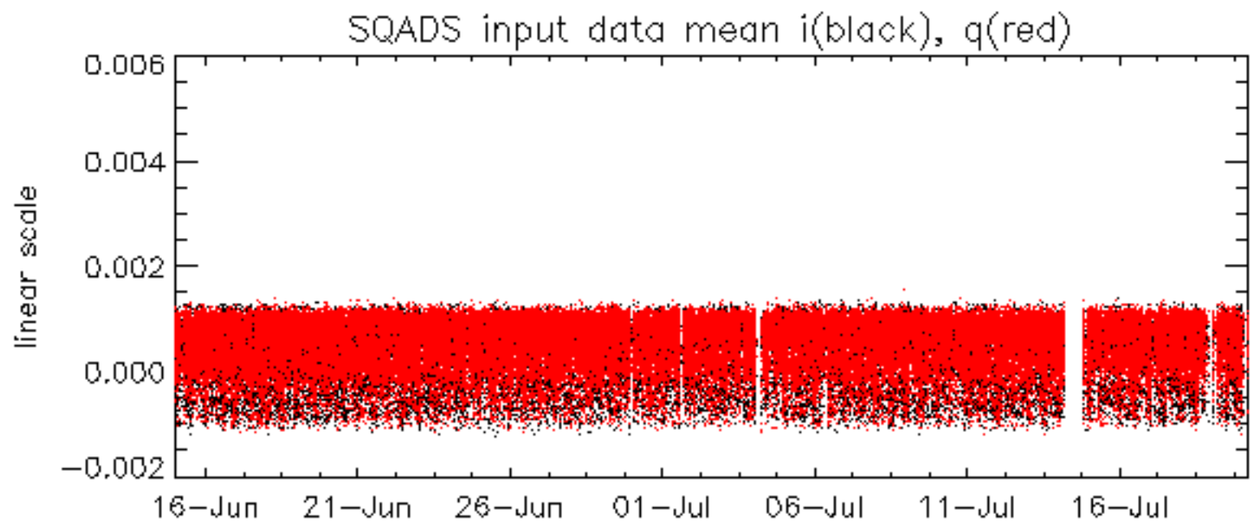
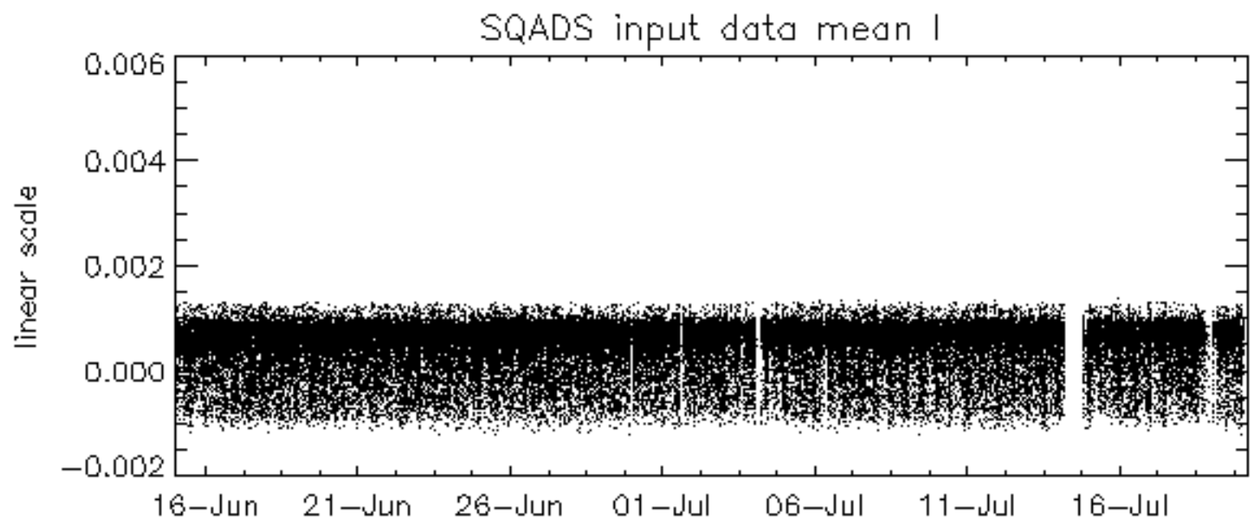
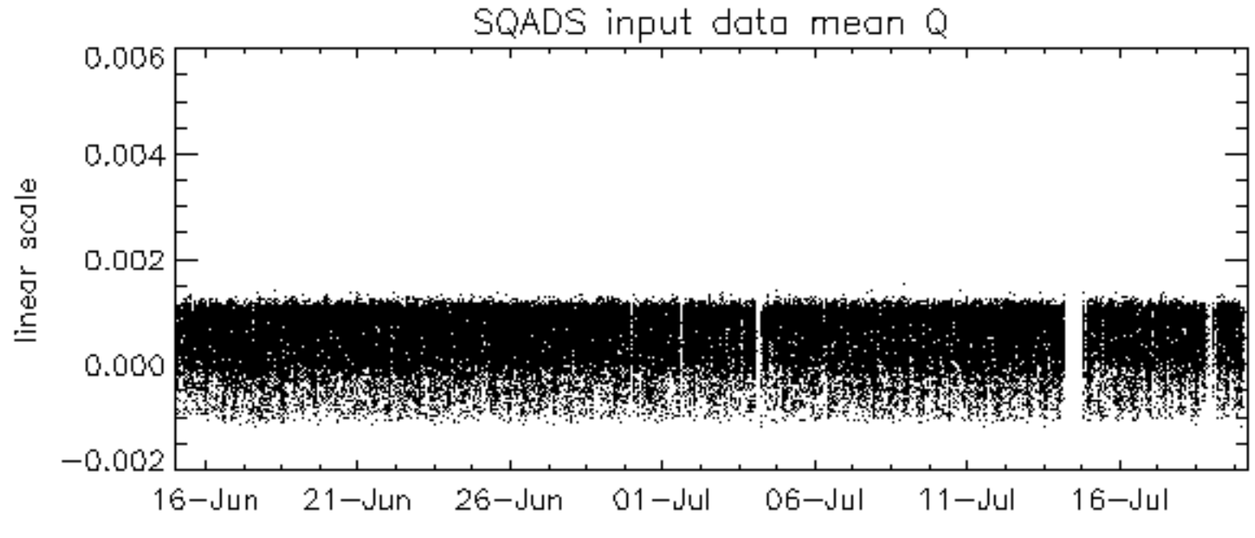
29
30
31
32

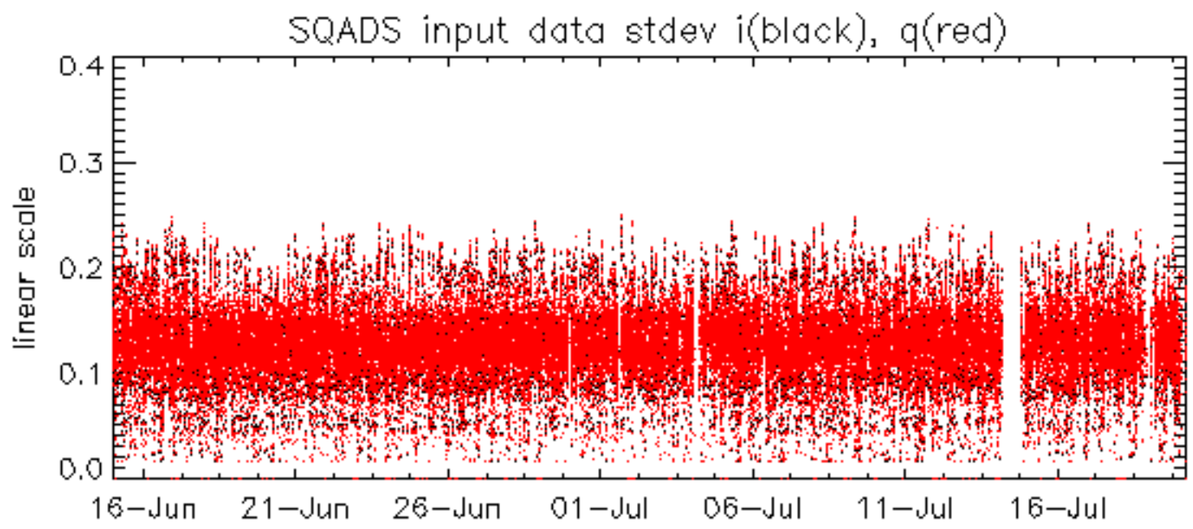

Reference: 2003-06-12 14:10:32 V
Test : 2005-07-19 08:50:39 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

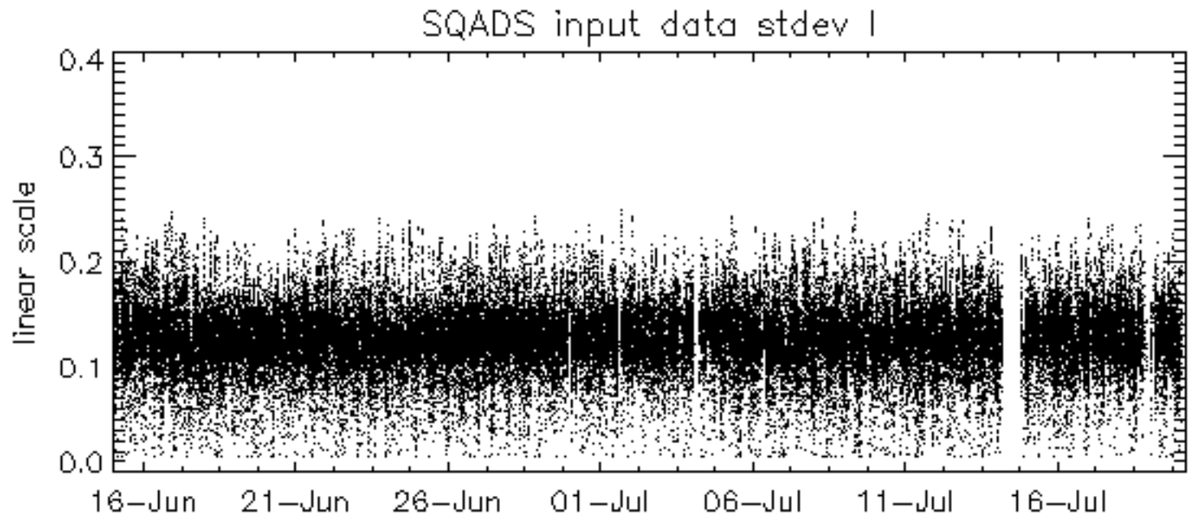

I/Q Gain Imbalance
stdev Q
stdev I
0.0
0.1
0.2
0.3
0.4
0.5

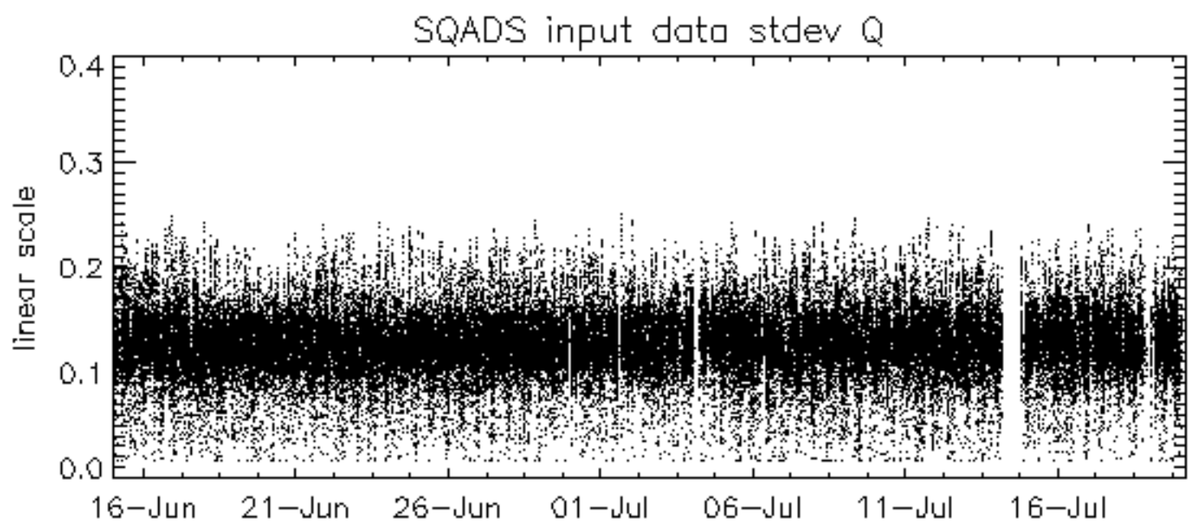

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Jun
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul

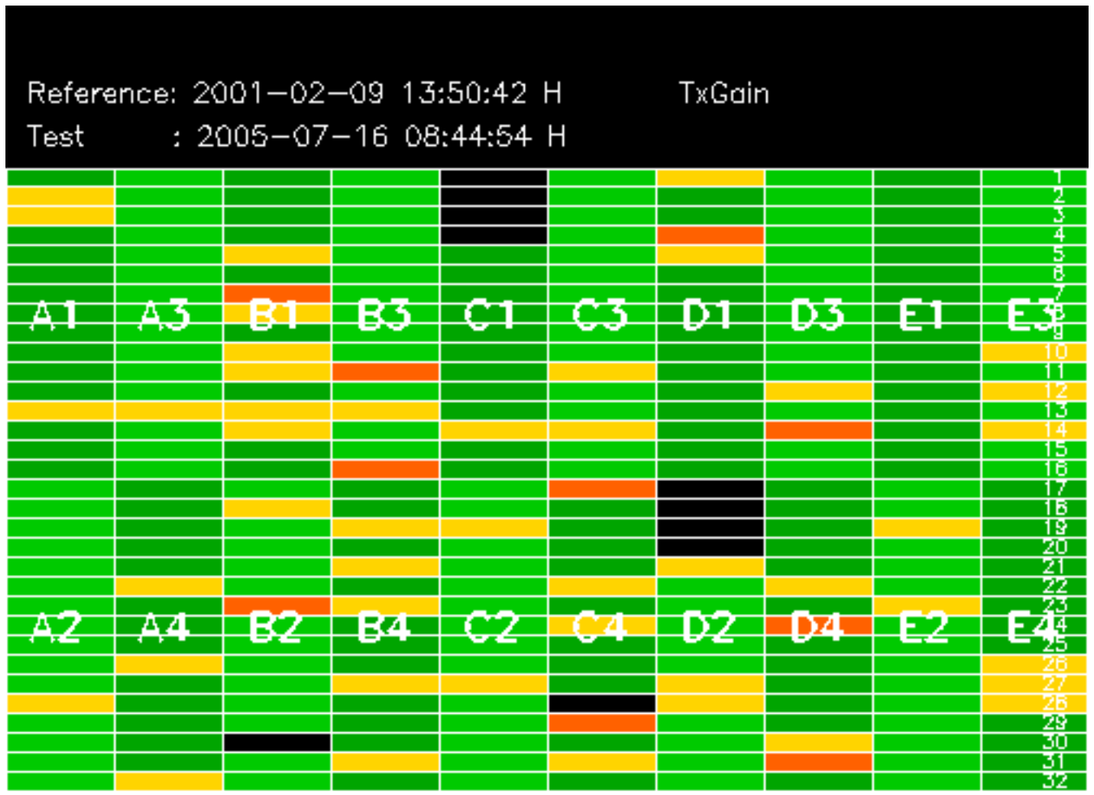

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Jun
21−Jun
26−Jun
01−Jul
06−Jul
11−Jul
16−Jul


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-07-16 08:44:54 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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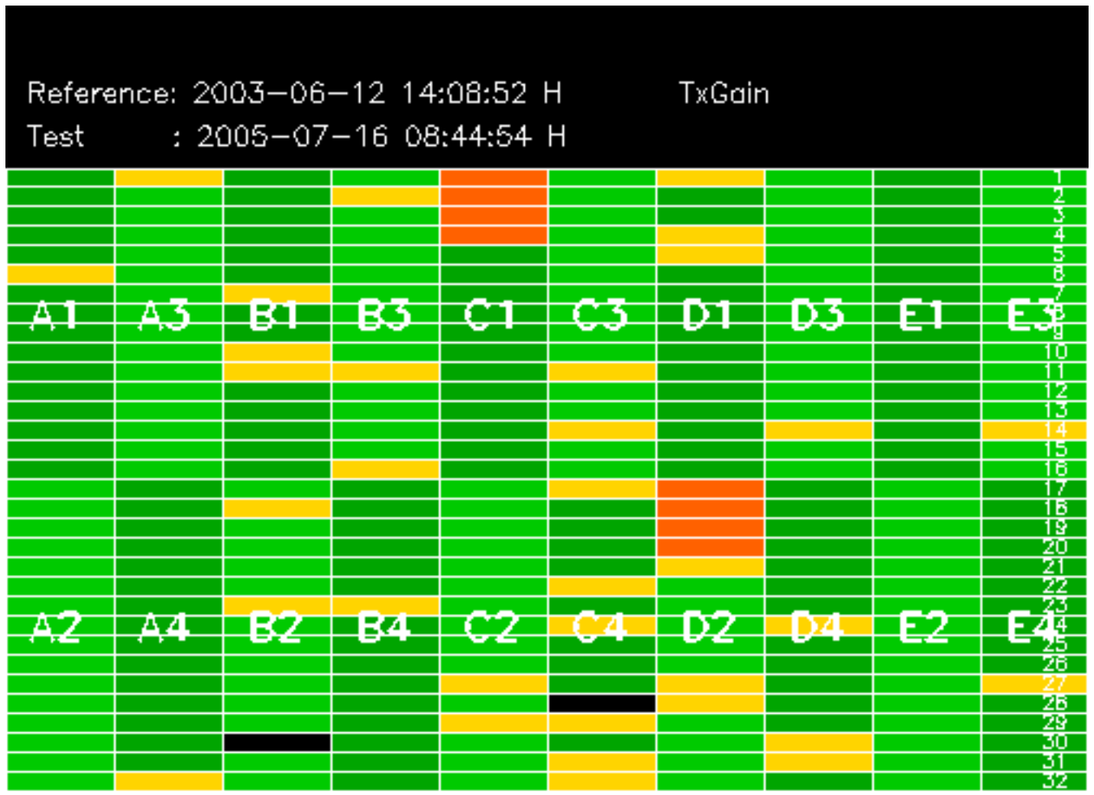
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-07-16 08:44:54 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 : 2005-07-19 08:50:39 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
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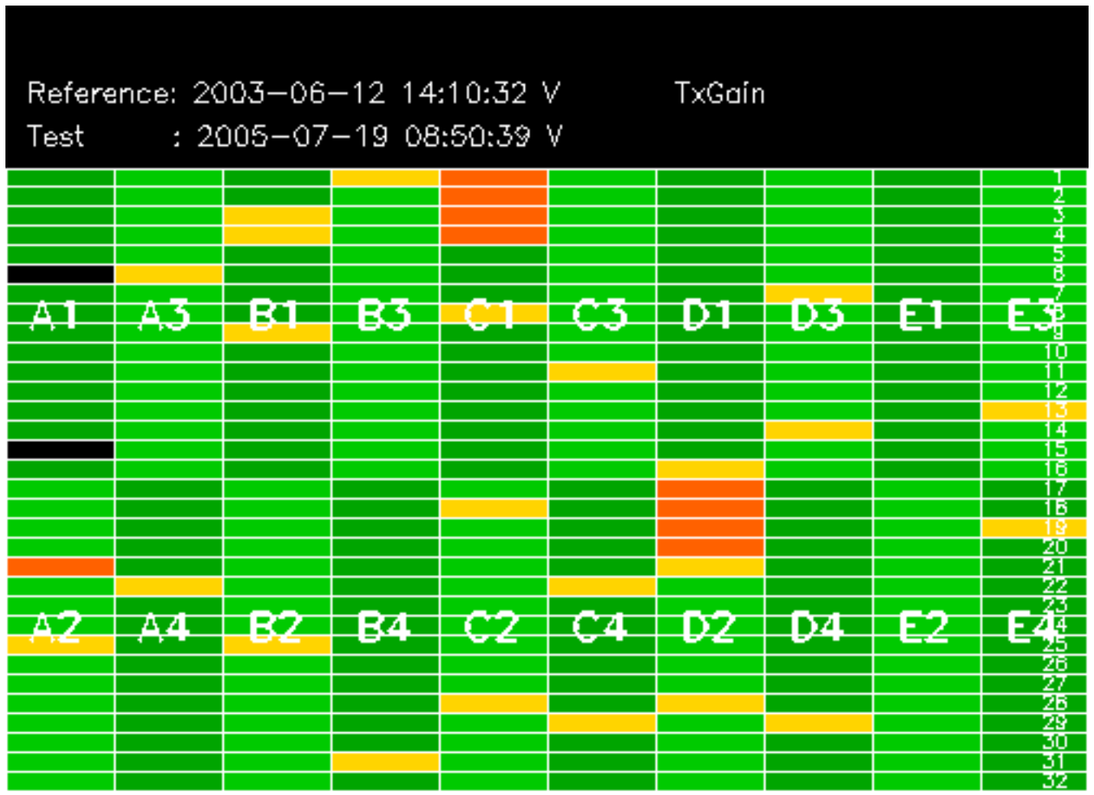
Reference: 2003-06-12 14:10:32 V
Test : 2005-07-19 08:50:39 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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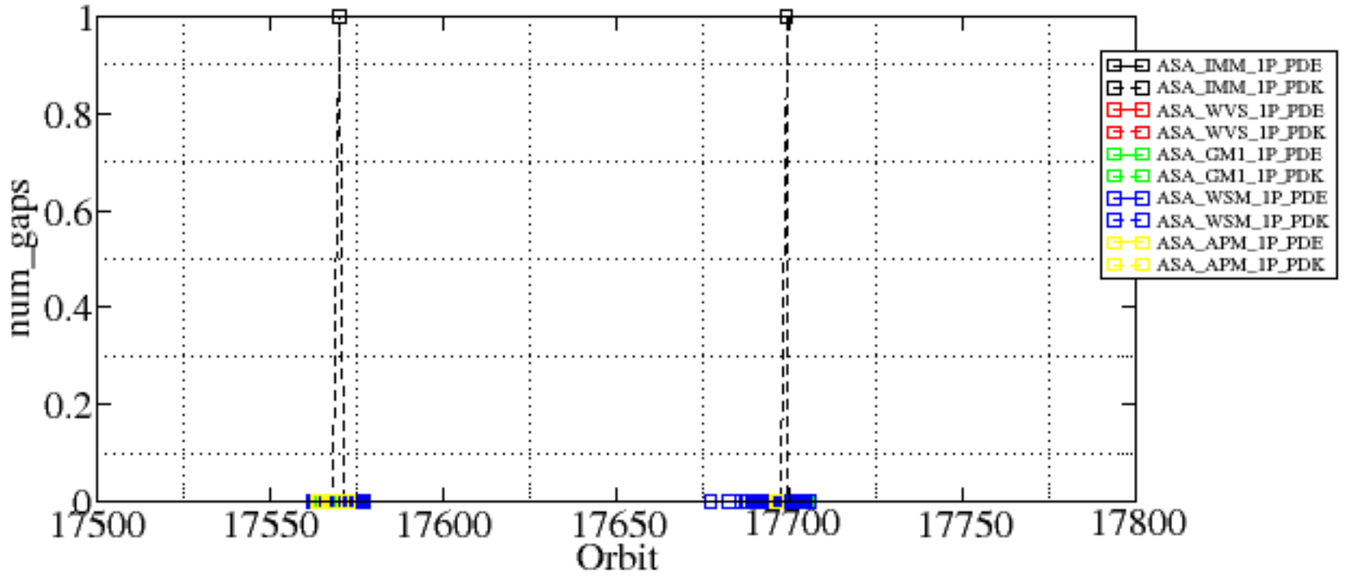
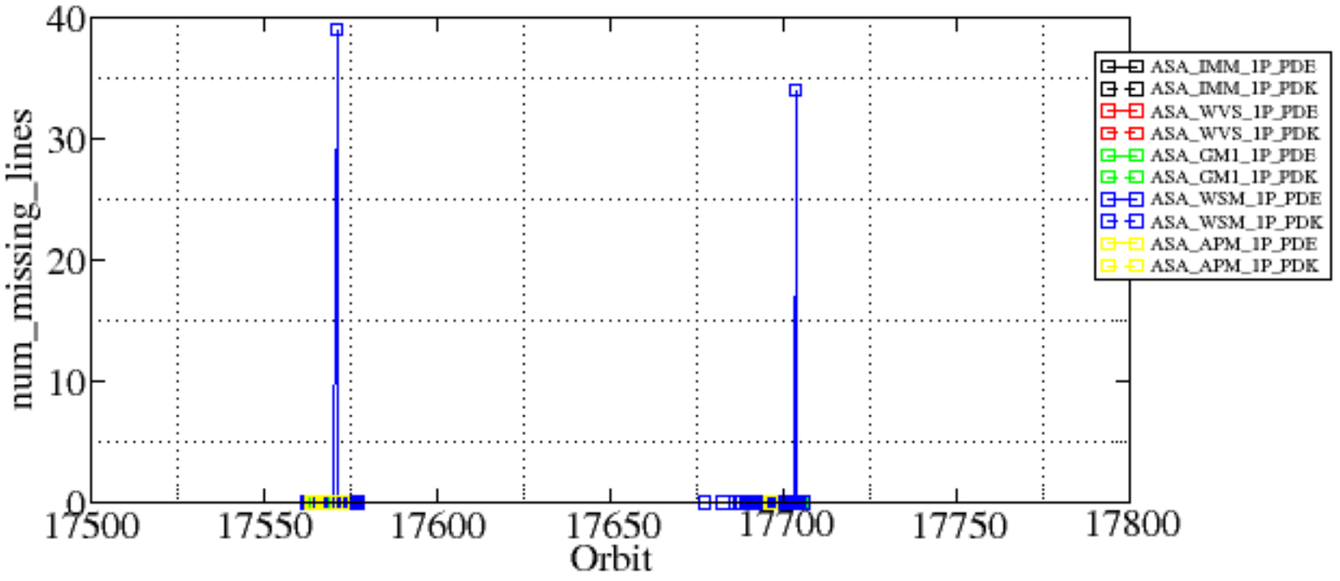
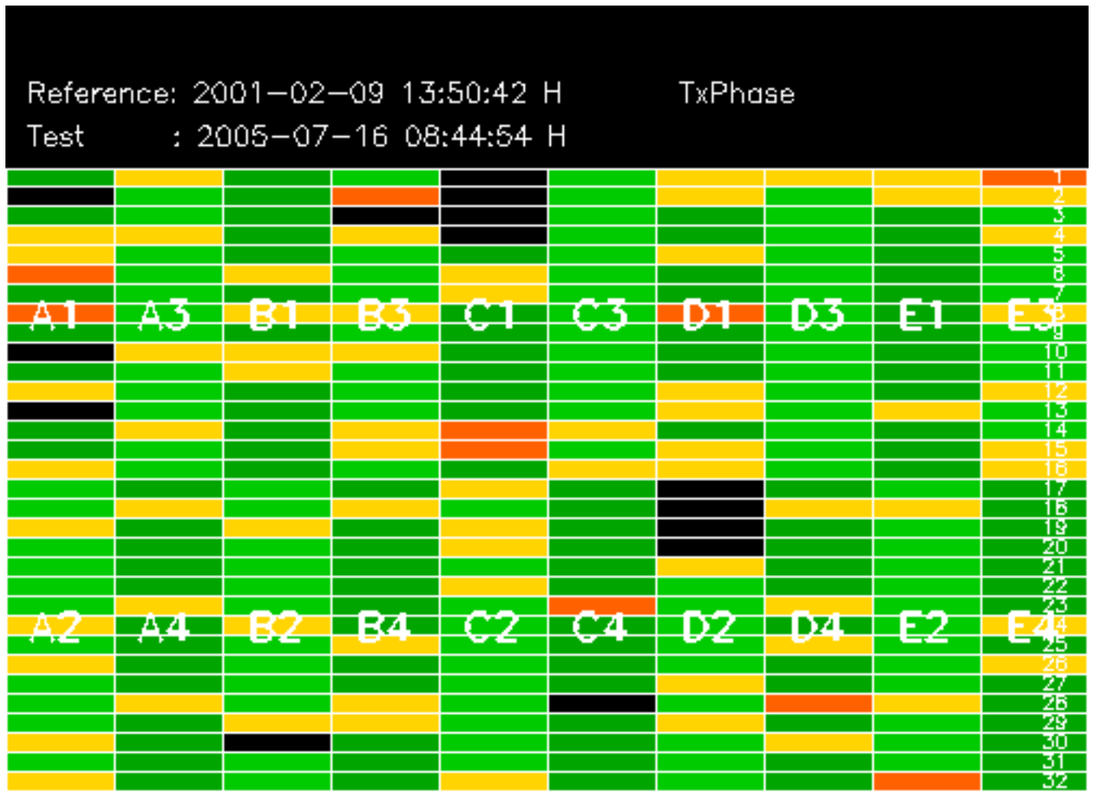
31
32

Summary of analysis for the last 3 days 2005071[890]
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_1PNPDK20050710_124045_000000362038_00482_17570_1372.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050710_124045_000000372038_00482_17570_1379.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050719_125658_000000542039_00110_17699_1848.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050710_141215_000000672038_00483_17571_3333.N1 </td> <td>0 </td> <td>39 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050719_201133_000000852039_00114_17703_0289.N1 </td> <td>0 </td> <td>34 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
17500
17550
17600
17650
17700
17750
17800
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
40
30
20
10
0
17500
17550
17600
17650
17700
17750
17800
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
TxPhase
Test : 2005-07-16 08:44:54 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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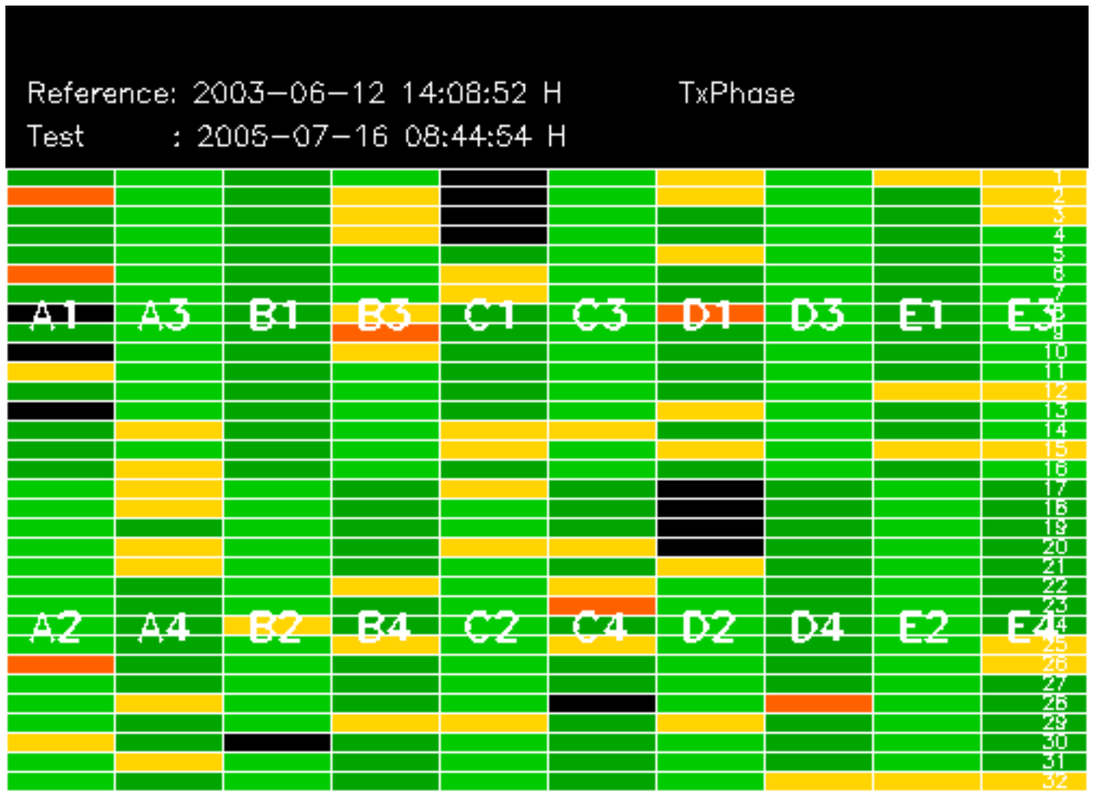
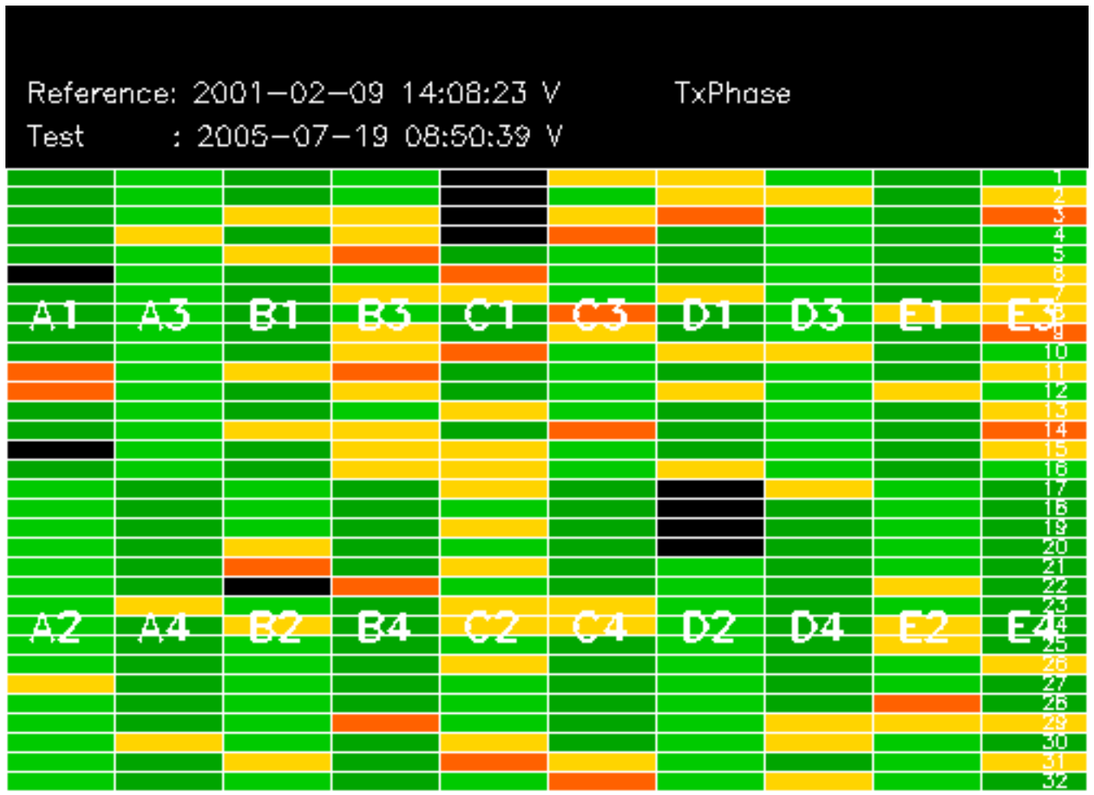
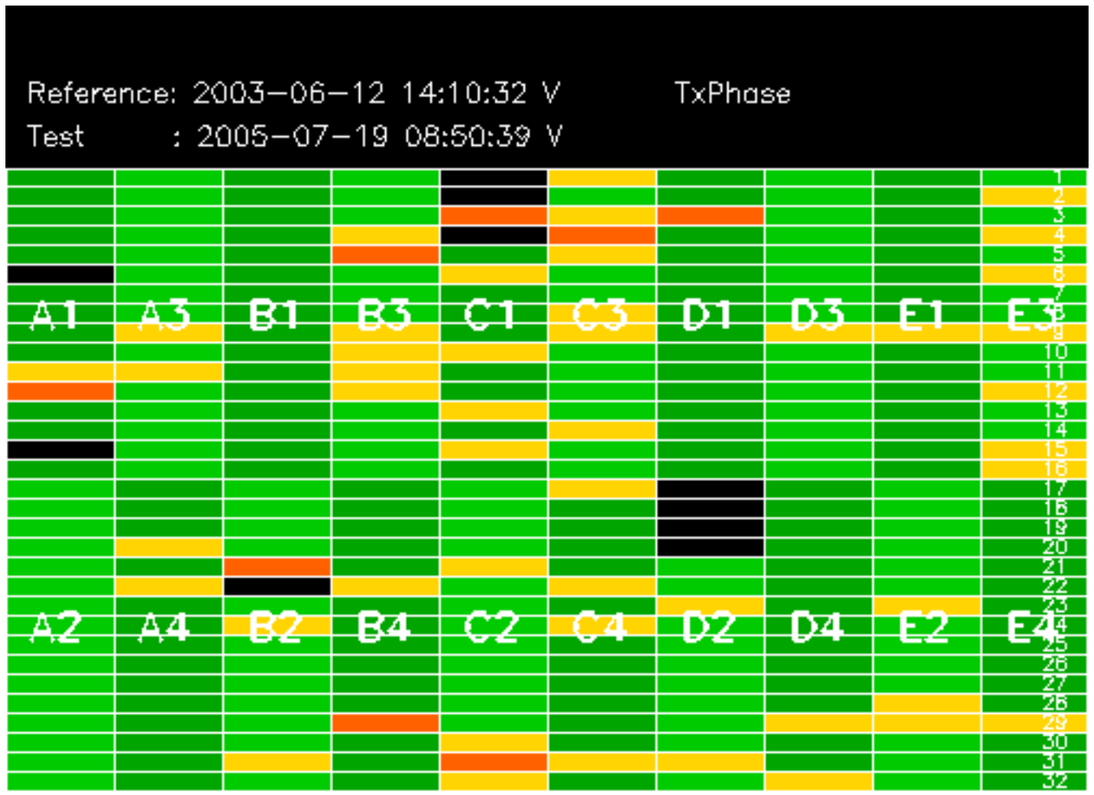
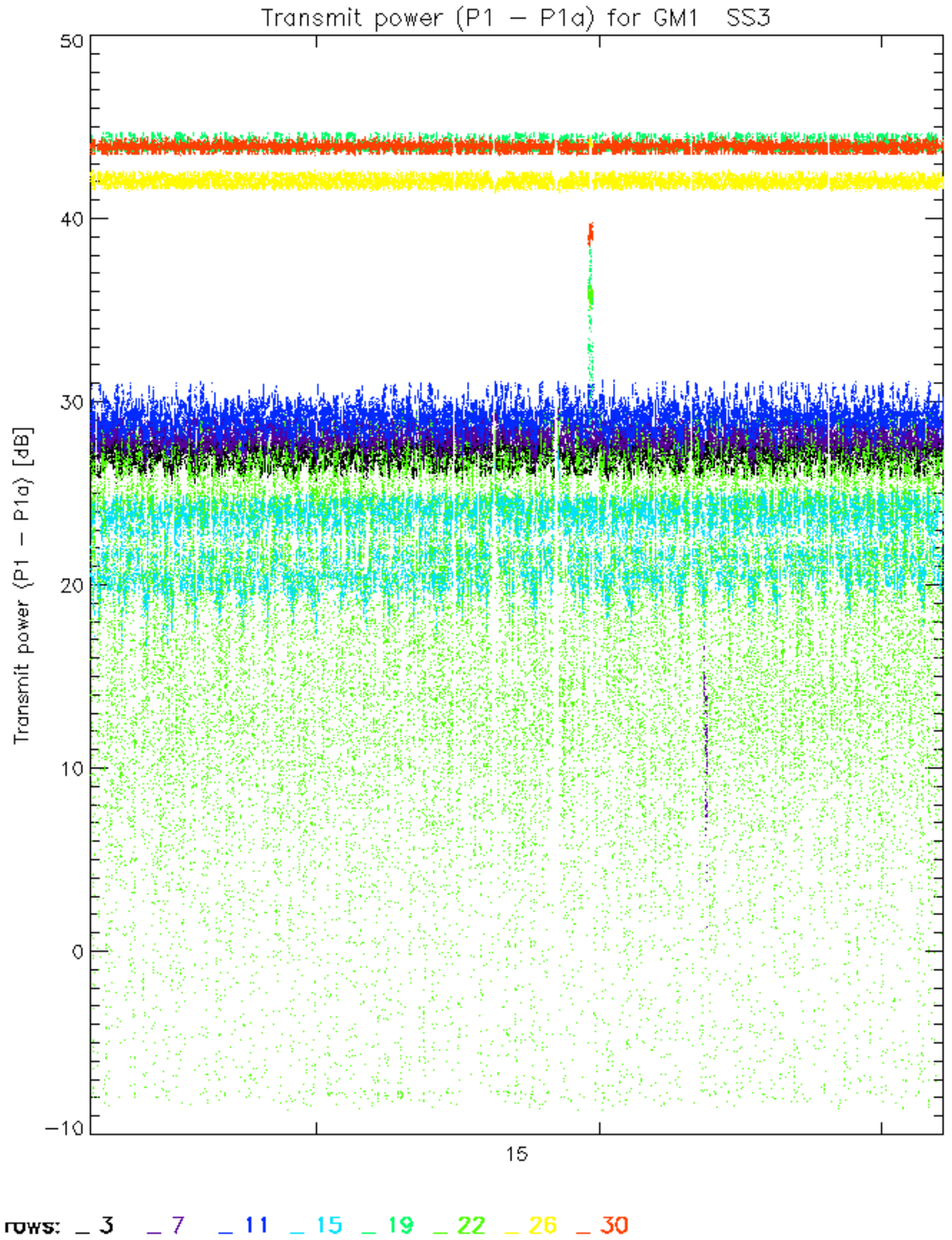
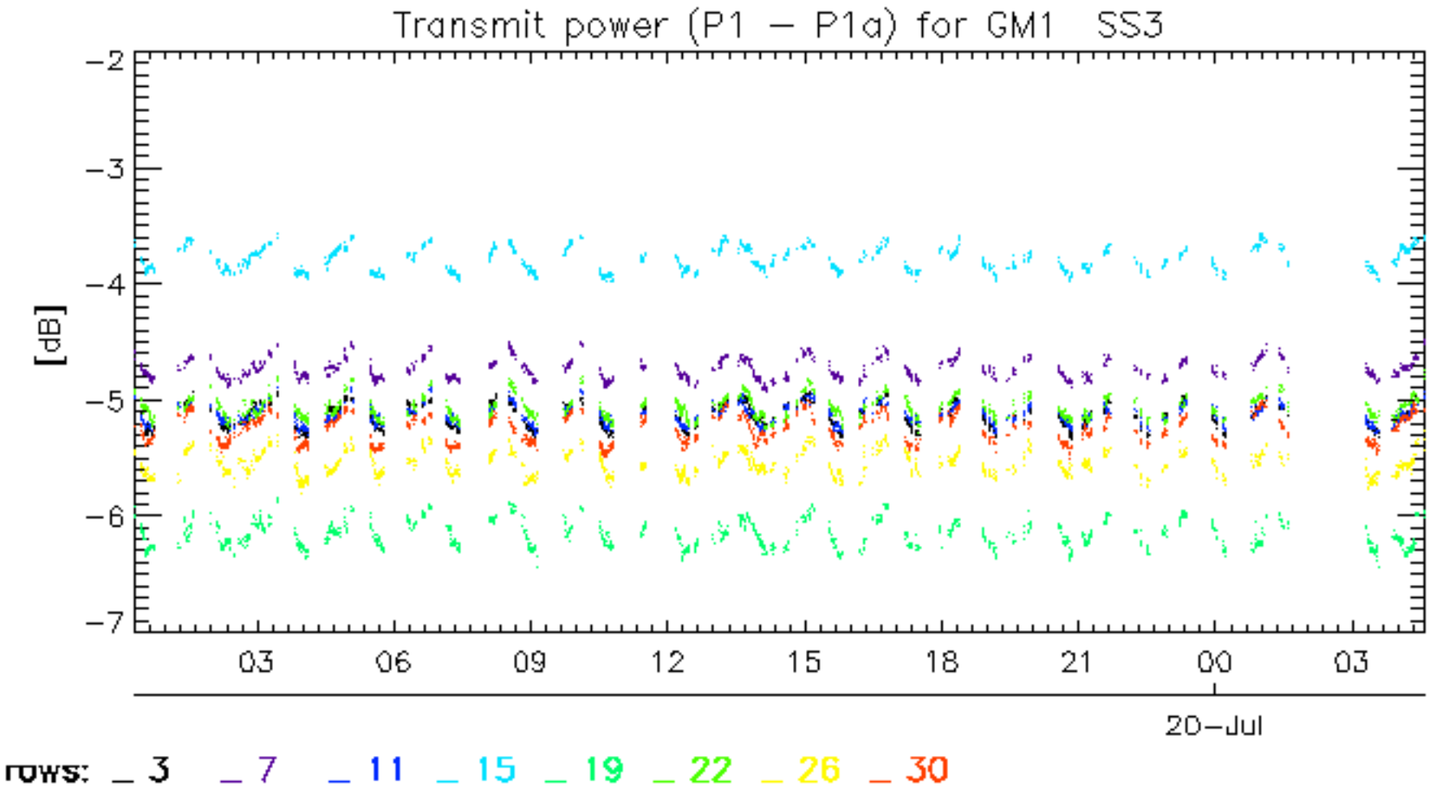
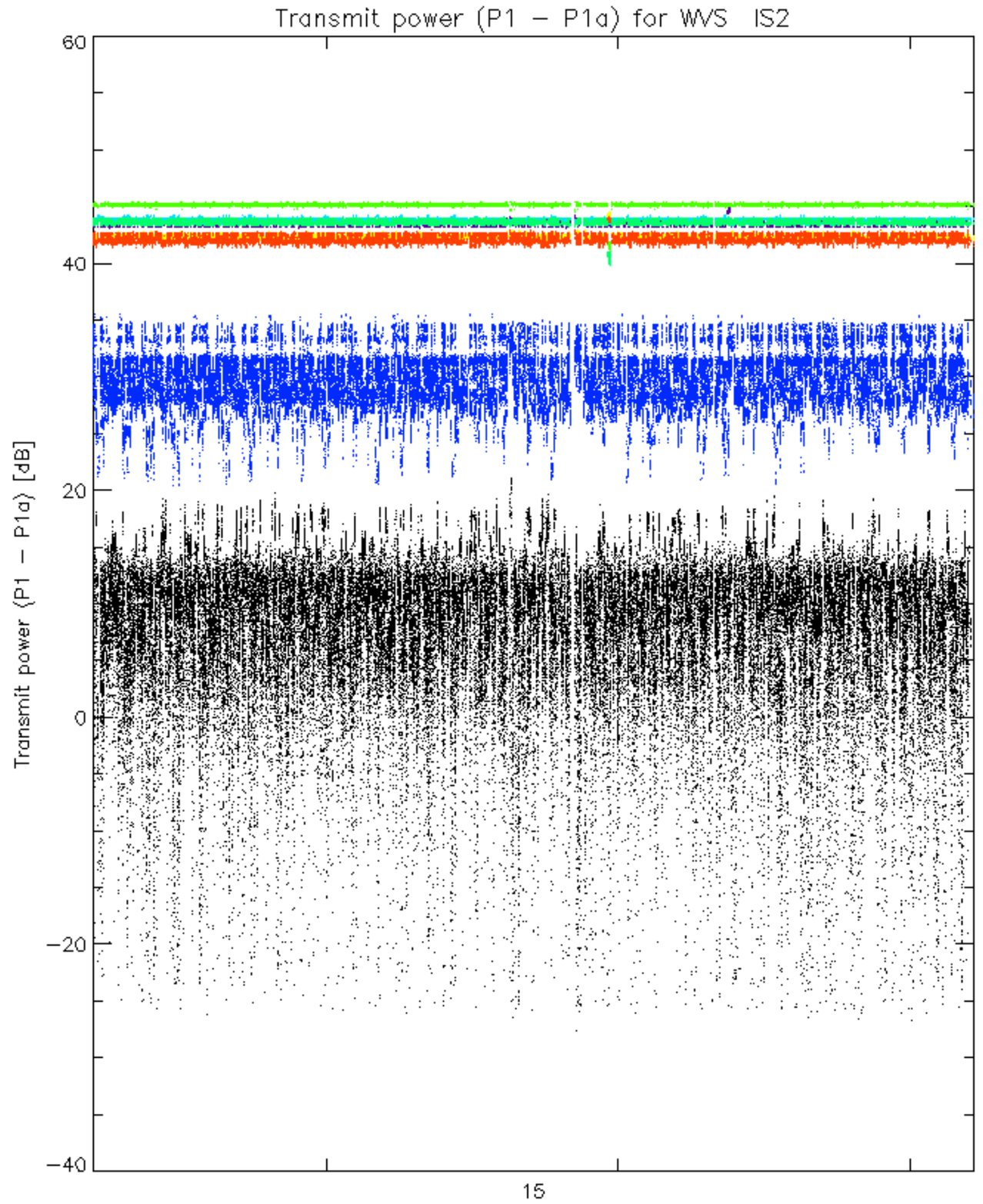

Reference: 2003-06-12 14:08:52 H
Test : 2005-07-16 08:44:54 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

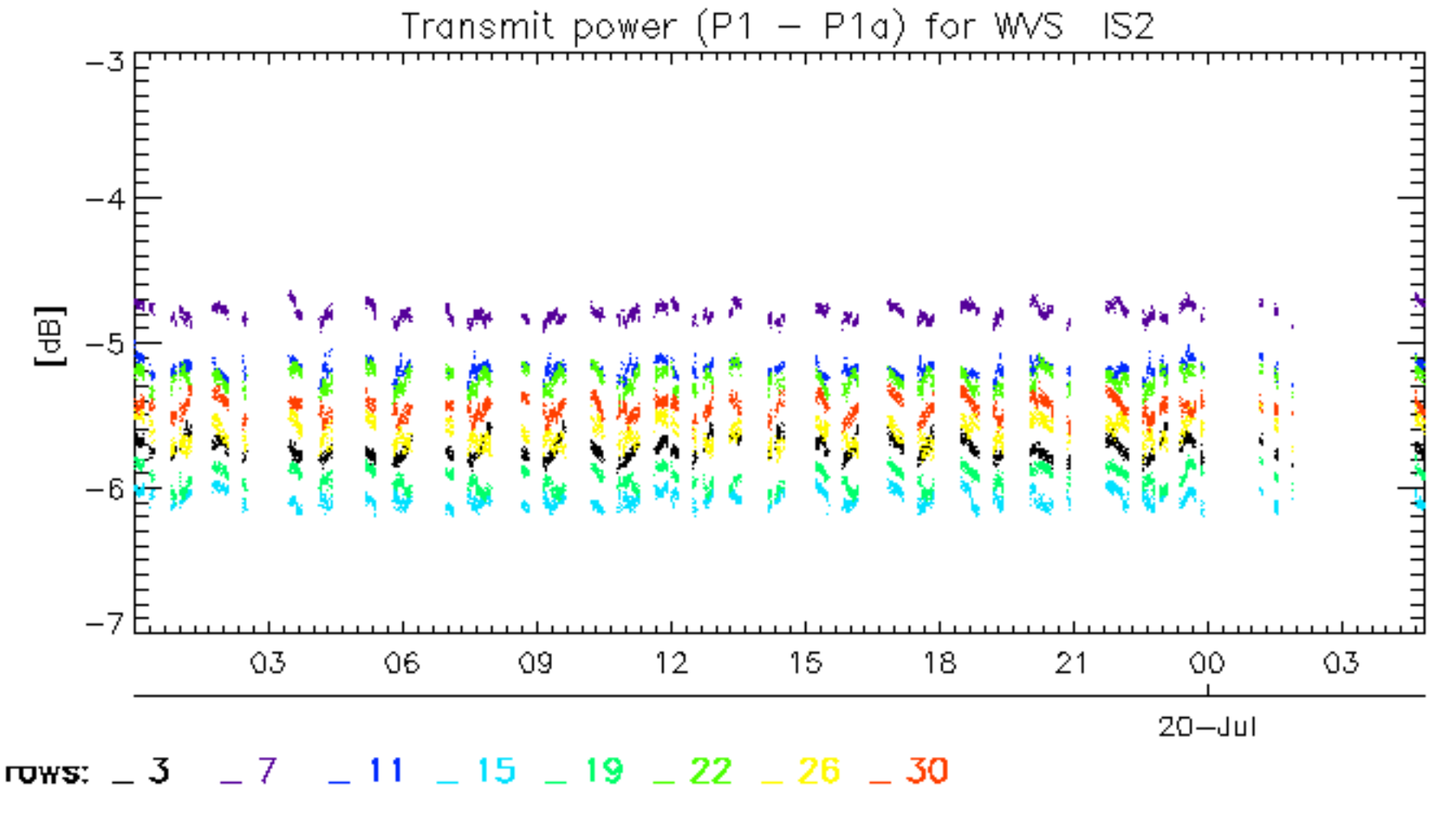

Reference: 2001-02-09 14:08:23 V
Test : 2005-07-19 08:50:39 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-07-19 08:50:39 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
15
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
20–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]
15
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.