# PRELIMINARY REPORT OF 060104

### last update on Wed Jan 4 16:34:53 GMT 2006



## 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 2006-01-03 00:00:00 to 2006-01-04 16:34:53**

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

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 20 | 0 | 3 | 0 | 17 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 20 | 0 | 3 | 0 | 17 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 20 | 0 | 3 | 0 | 17 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 20 | 0 | 3 | 0 | 17 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000 | 29 | 34 | 23 | 4 | 36 |
| ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000 | 29 | 34 | 23 | 4 | 36 |
| ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000 | 29 | 34 | 23 | 4 | 36 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 | 29 | 34 | 23 | 4 | 36 |

### 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 | 20051231 204859 |
| H | 20051230 143812 |

**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 | -3.752916 | 0.239089 | -1.369593 |
| 7 | P1 | -2.780001 | 0.122768 | -0.959358 |
| 11 | P1 | -4.135855 | 0.037002 | 0.097321 |
| 15 | P1 | -5.205402 | 1.633569 | -3.789214 |
| 19 | P1 | -3.068804 | 0.064495 | -0.717715 |
| 22 | P1 | -4.444146 | 0.024001 | -0.219402 |
| 26 | P1 | -4.374176 | 0.060059 | 0.654691 |
| 30 | P1 | -5.668398 | 0.034062 | -0.450699 |
| 3 | P1 | -15.918484 | 2.693002 | -4.757675 |
| 7 | P1 | -15.466829 | 2.611112 | -4.747633 |
| 11 | P1 | -16.350250 | 0.474307 | -1.111174 |
| 15 | P1 | -12.760583 | 0.857716 | -2.385945 |
| 19 | P1 | -13.493540 | 0.364571 | -1.650857 |
| 22 | P1 | -15.924126 | 0.618513 | -0.476416 |
| 26 | P1 | -15.147039 | 1.015378 | -2.657788 |
| 30 | P1 | -15.679089 | 2.359493 | -4.201751 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.769424 | 0.114591 | 0.372443 |
| 7 | P2 | -22.535524 | 0.106109 | 0.052400 |
| 11 | P2 | -16.468843 | 0.132842 | 0.483010 |
| 15 | P2 | -7.269243 | 0.106718 | 0.107593 |
| 19 | P2 | -9.207417 | 0.105147 | 0.012004 |
| 22 | P2 | -17.888527 | 0.112503 | -0.250222 |
| 26 | P2 | -16.361193 | 0.132679 | 0.532162 |
| 30 | P2 | -19.775791 | 0.116928 | 0.429248 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 7 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 11 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 15 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 19 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 22 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 26 | P3 | -8.233501 | 0.007686 | 0.026461 |
| 30 | P3 | -8.233501 | 0.007686 | 0.026461 |

**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 | -3.711843 | 0.008537 | -0.031494 |
| 7 | P1 | -2.767624 | 0.007691 | 0.003442 |
| 11 | P1 | -2.875823 | 0.009378 | 0.006064 |
| 15 | P1 | -3.422718 | 0.016729 | -0.054729 |
| 19 | P1 | -3.393089 | 0.014473 | -0.003110 |
| 22 | P1 | -5.124352 | 0.019174 | -0.009102 |
| 26 | P1 | -5.854181 | 0.015983 | -0.017551 |
| 30 | P1 | -5.278118 | 0.033612 | 0.024929 |
| 3 | P1 | -11.491401 | 0.040168 | -0.042560 |
| 7 | P1 | -9.966300 | 0.047847 | 0.055525 |
| 11 | P1 | -10.054184 | 0.056534 | -0.036215 |
| 15 | P1 | -10.565305 | 0.070594 | -0.080933 |
| 19 | P1 | -15.520142 | 0.074473 | 0.024843 |
| 22 | P1 | -20.943296 | 0.934245 | 0.453854 |

| | | | | |
|---|---|---|---|---|
| 26 | P1 | -17.118326 | 0.290666 | 0.358936 |
| 30 | P1 | -18.173466 | 0.277225 | 0.165008 |

**P2 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.580057 | 0.029541 | 0.158091 |
| 7 | P2 | -23.035284 | 0.055309 | 0.170191 |
| 11 | P2 | -11.561210 | 0.019794 | 0.186458 |
| 15 | P2 | -4.989595 | 0.021188 | 0.067359 |
| 19 | P2 | -6.974161 | 0.021626 | 0.033993 |
| 22 | P2 | -8.213054 | 0.022409 | -0.004825 |
| 26 | P2 | -24.046482 | 0.030049 | 0.078322 |
| 30 | P2 | -22.135958 | 0.017318 | 0.018230 |

**P3 Cyclic statistics**

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.077372 | 0.002473 | 0.013123 |
| 7 | P3 | -8.077580 | 0.002471 | 0.013093 |
| 11 | P3 | -8.077640 | 0.002455 | 0.012705 |
| 15 | P3 | -8.077547 | 0.002454 | 0.013288 |
| 19 | P3 | -8.077577 | 0.002471 | 0.013474 |
| 22 | P3 | -8.077490 | 0.002458 | 0.013427 |
| 26 | P3 | -8.077472 | 0.002442 | 0.013826 |
| 30 | P3 | -8.077319 | 0.002464 | 0.012629 |

## 4.3 - cal pulses monitoring (all rows)

### 4.3.1 - Evolution for WVS

☒

### 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 | 0.000465248 |
| | stdev | 2.17125e-07 |
| MEAN Q | mean | 0.000469601 |
| | stdev | 2.34970e-07 |



## 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.130095 |
| | stdev | 0.00115546 |
| STDEV Q | mean | 0.130388 |
| | stdev | 0.00116902 |



## 5.3 - Gain imbalance I/Q



# 6 - Telemetry analysis

Summary of analysis for the last 3 days 2006010[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_1PNPDE20060104_004520_000001852044_00016_20110_5463.N1 | 1 | 0 |

# 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 |

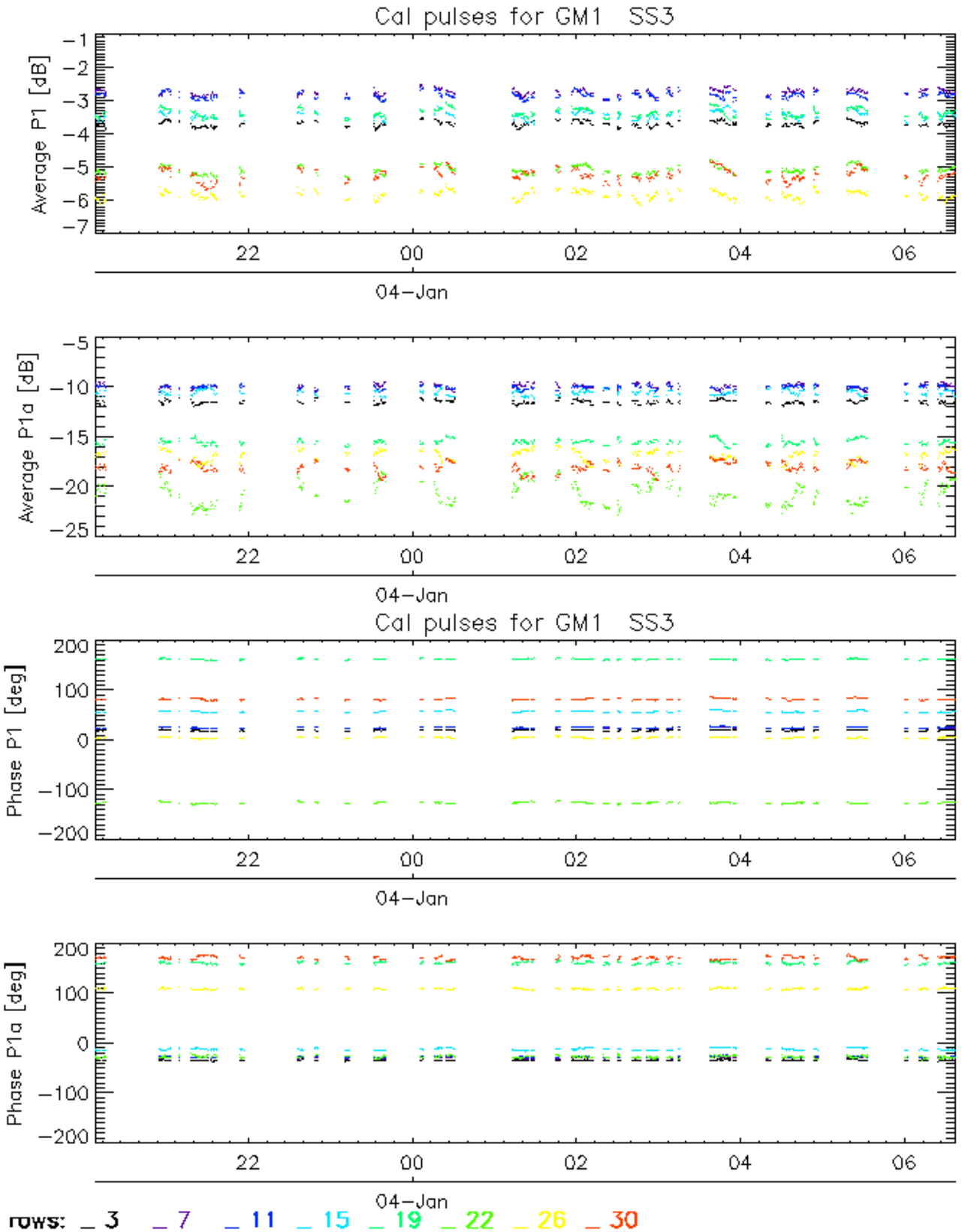
| |
|---|
| Descending |

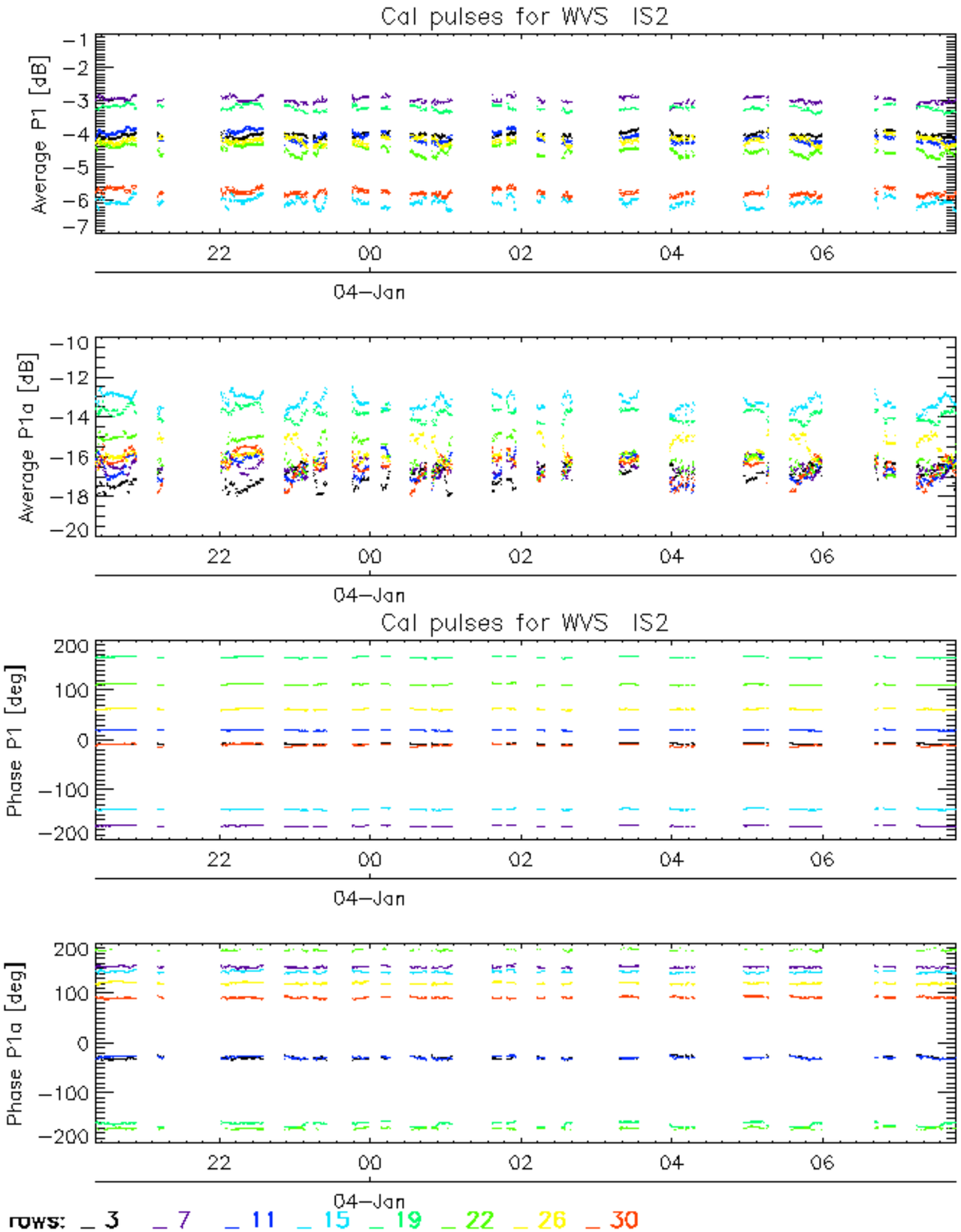
## 7.5 - Absolute Doppler for GM1

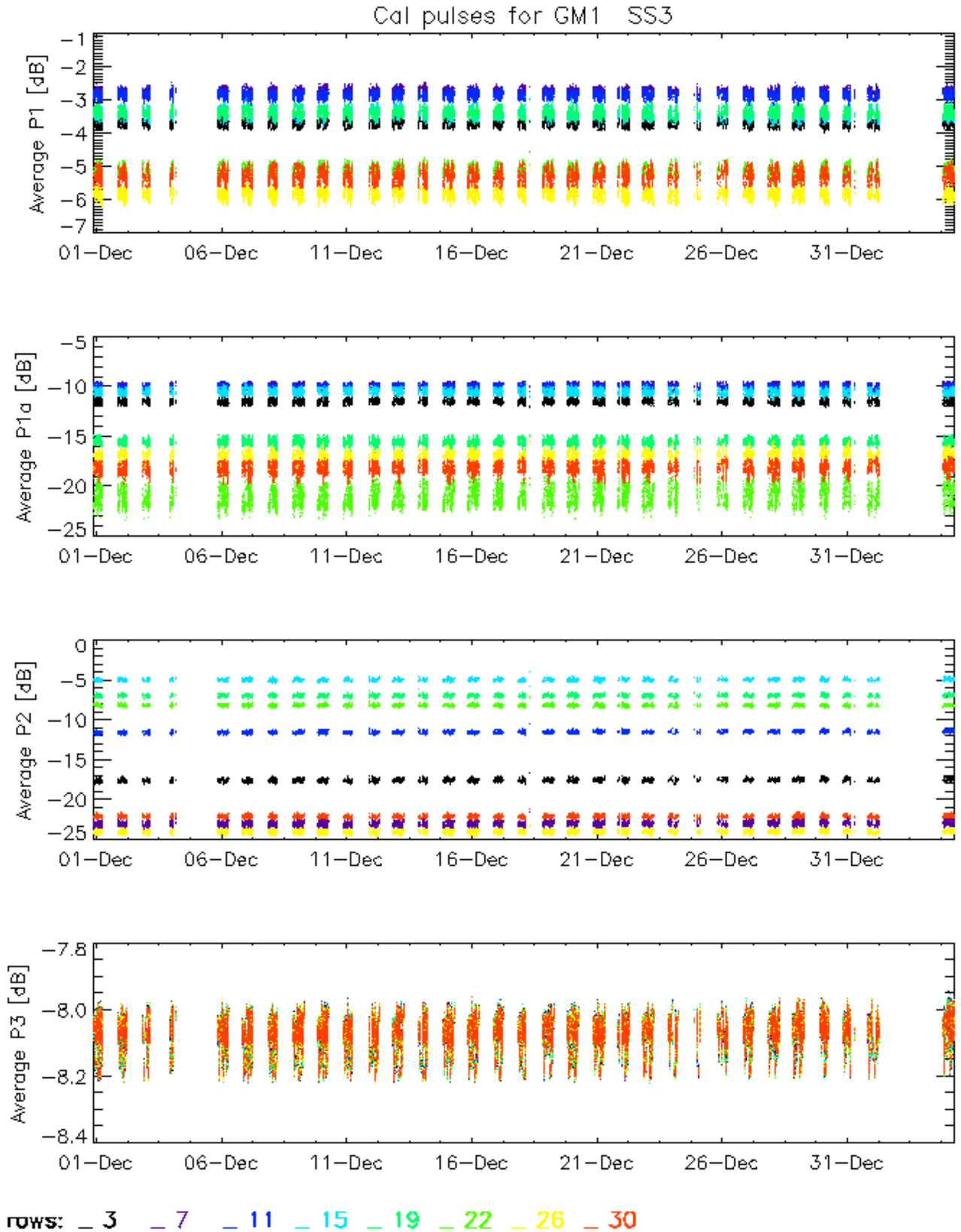
| **Evolution of Absolute Doppler** |
|---|
| |
| Acsending |
| |
| Descending |

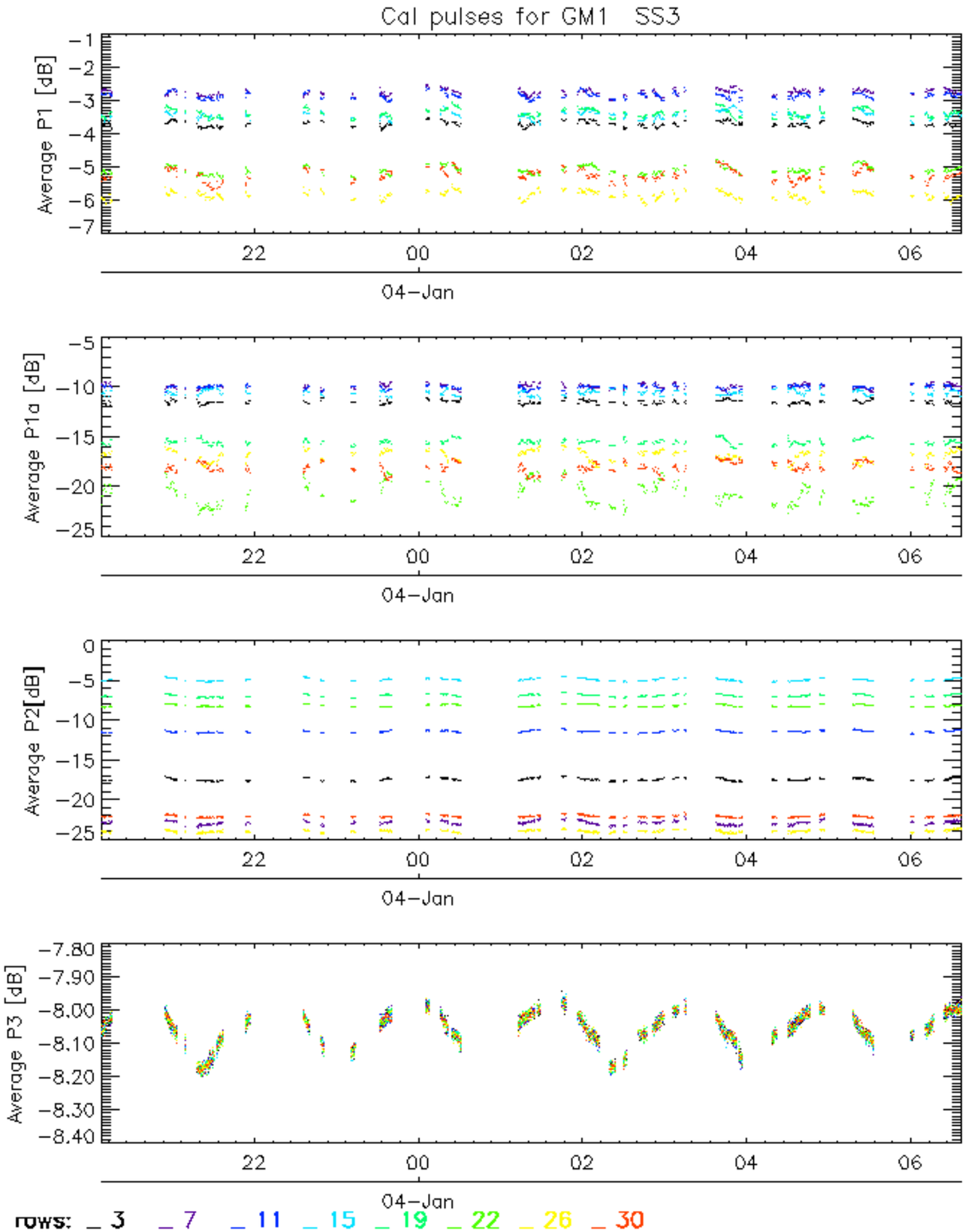
## 7.6 - Doppler evolution versus ANX for GM1

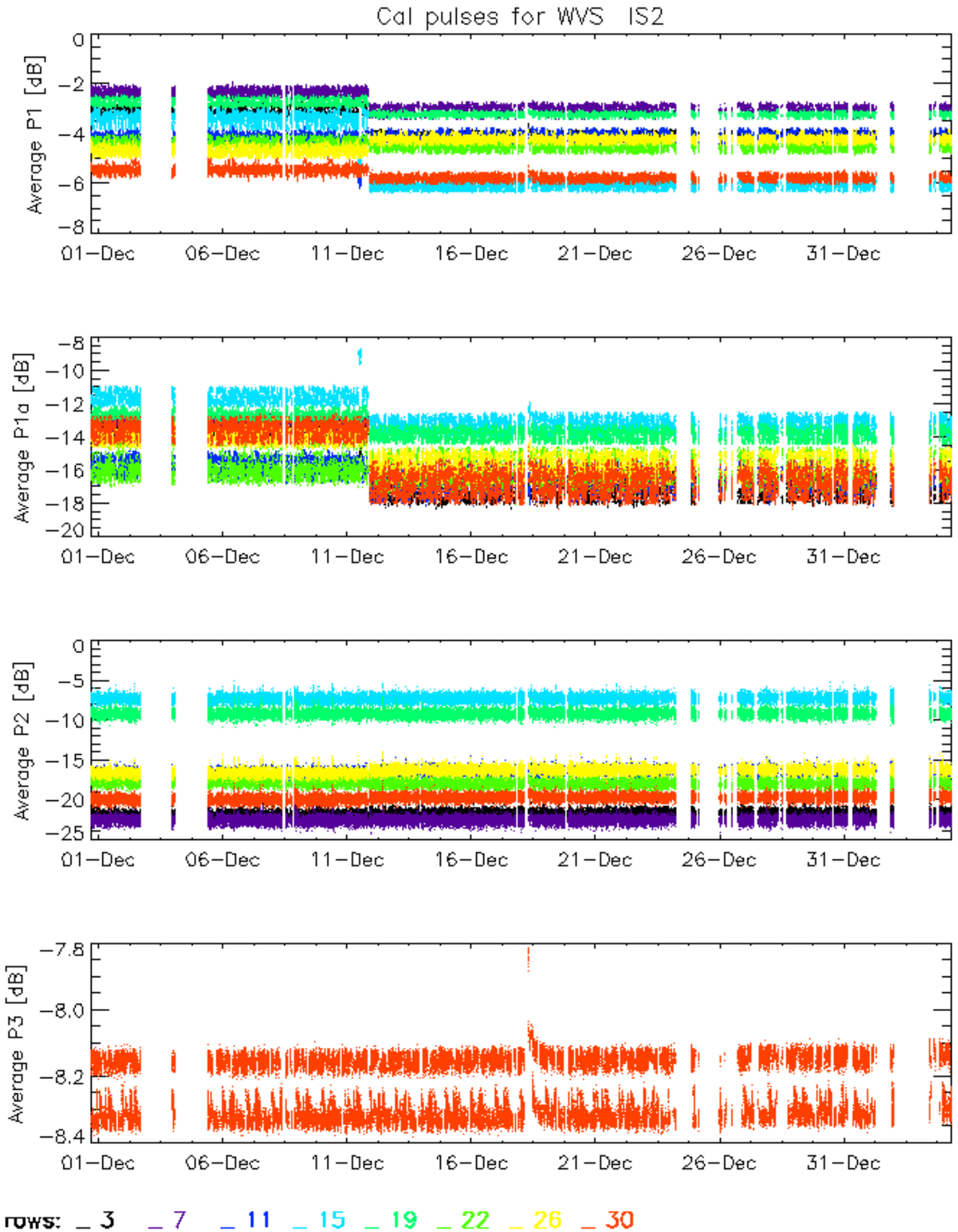
| **Evolution Doppler error versus ANX** |
|---|
| |

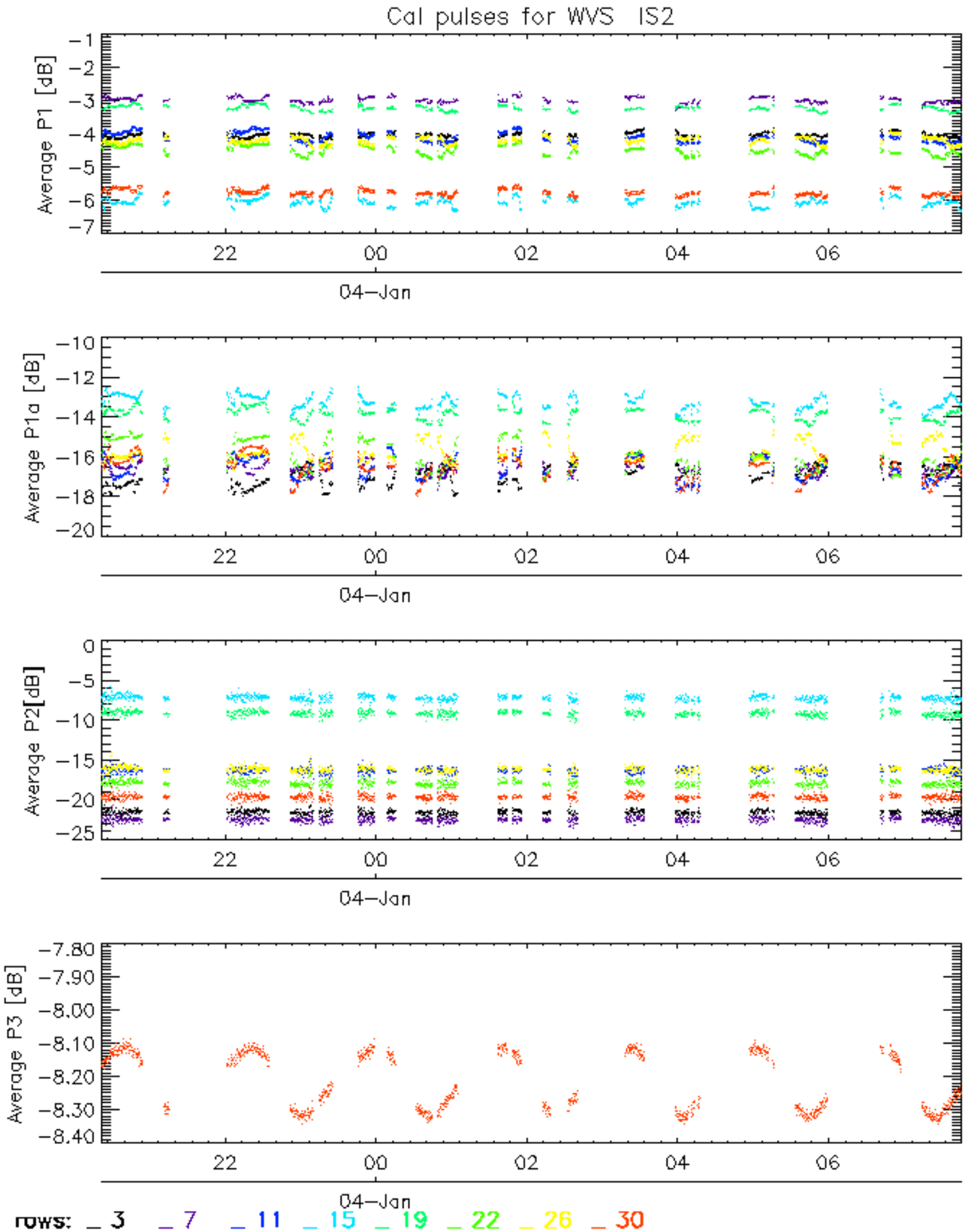

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
04−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06
04−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06
04−Jan
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06
04−Jan
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
04−Jan
Average P1a [dB]
−10
−12
−14
−16
−18
−20
22
00
02
04
06
04−Jan
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06
04−Jan
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06
04−Jan
rows: 3 7 11 15 19 22 26 30


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
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
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

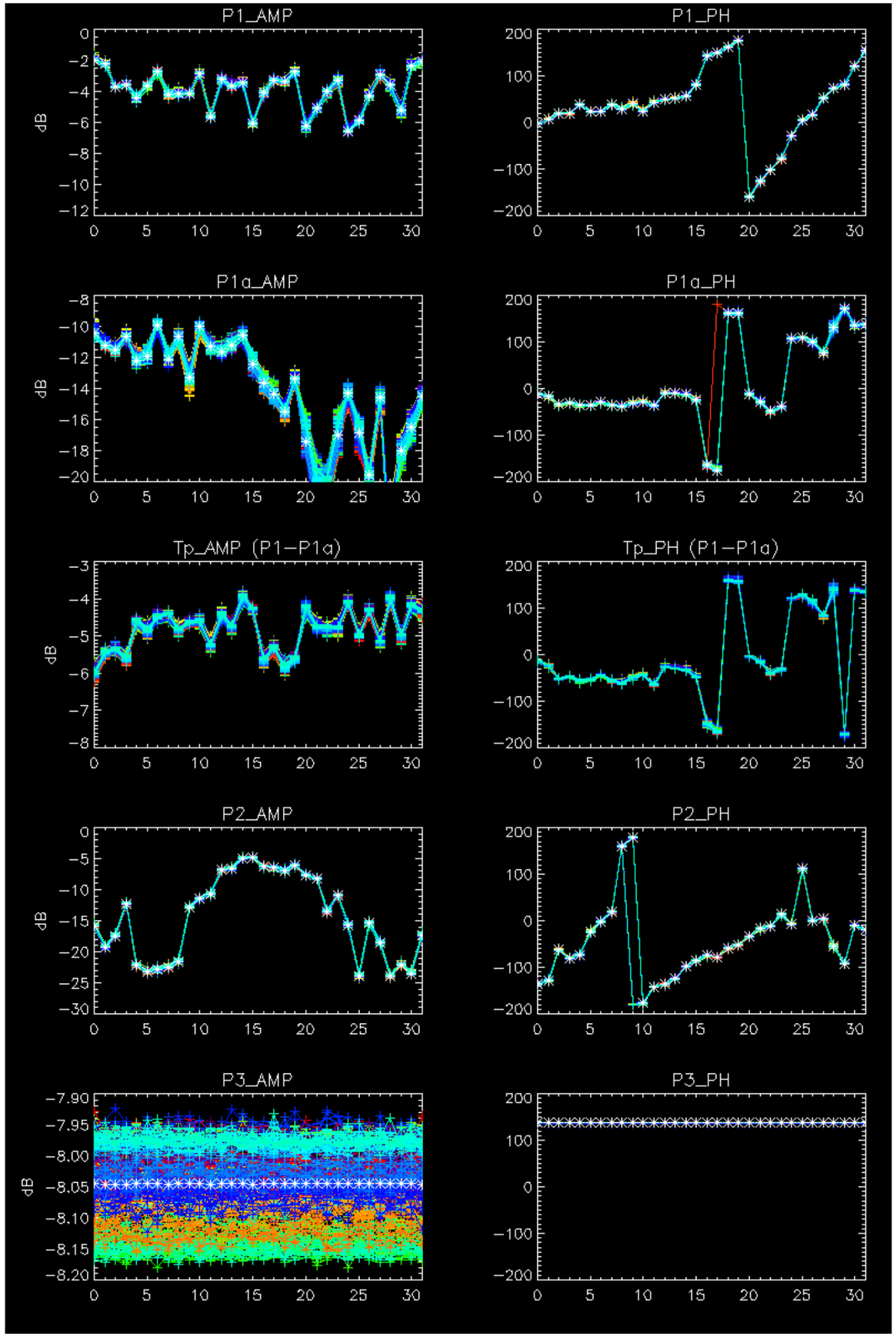

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
04−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06
04−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06
04−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06
04−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

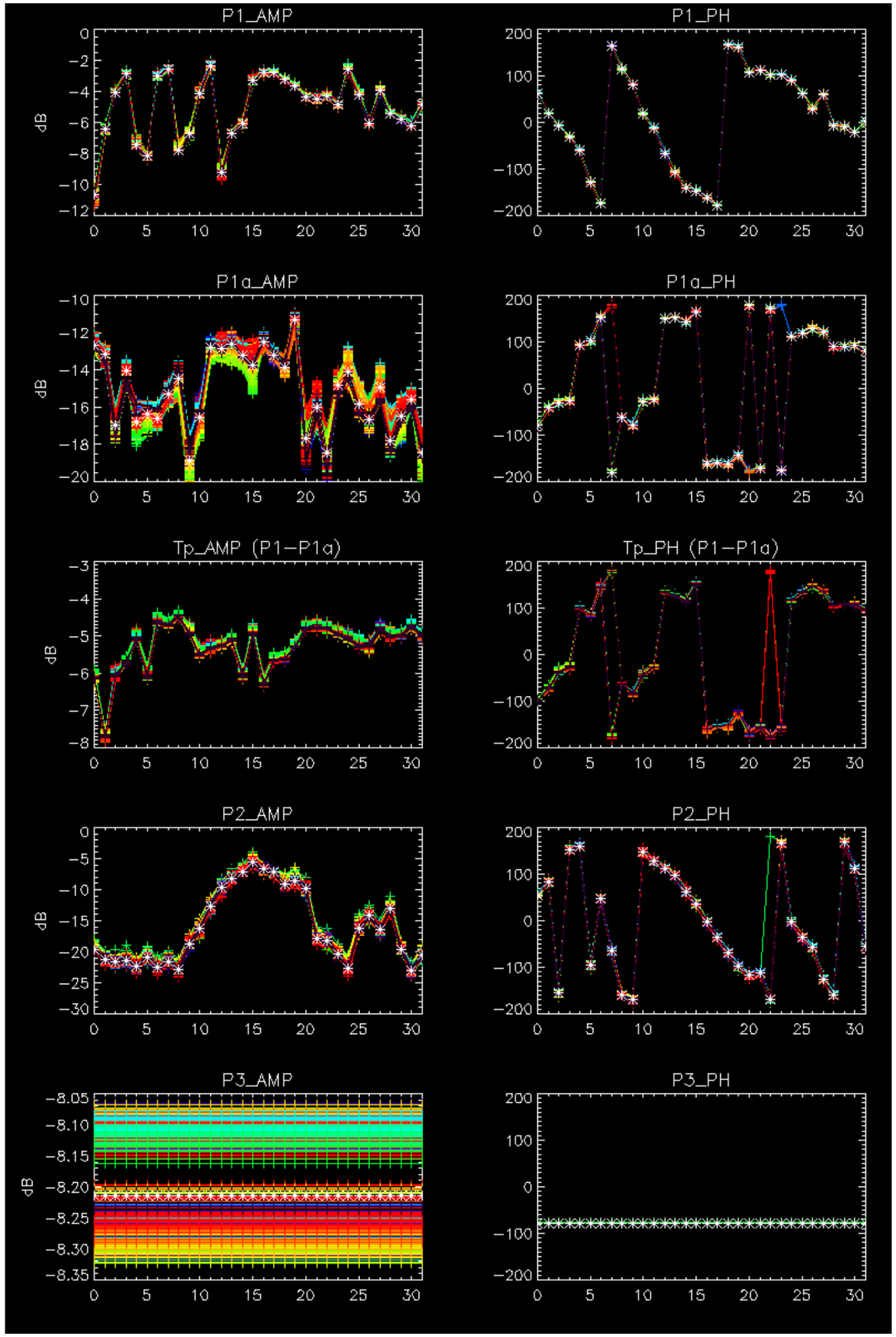

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06
04−Jan
Average P1a [dB]
−10
−12
−14
−16
−18
−20
22
00
02
04
06
04−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06
04−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06
04−Jan
rows: 3 7 11 15 19 22 26 30

No anomalies observed on available browse products

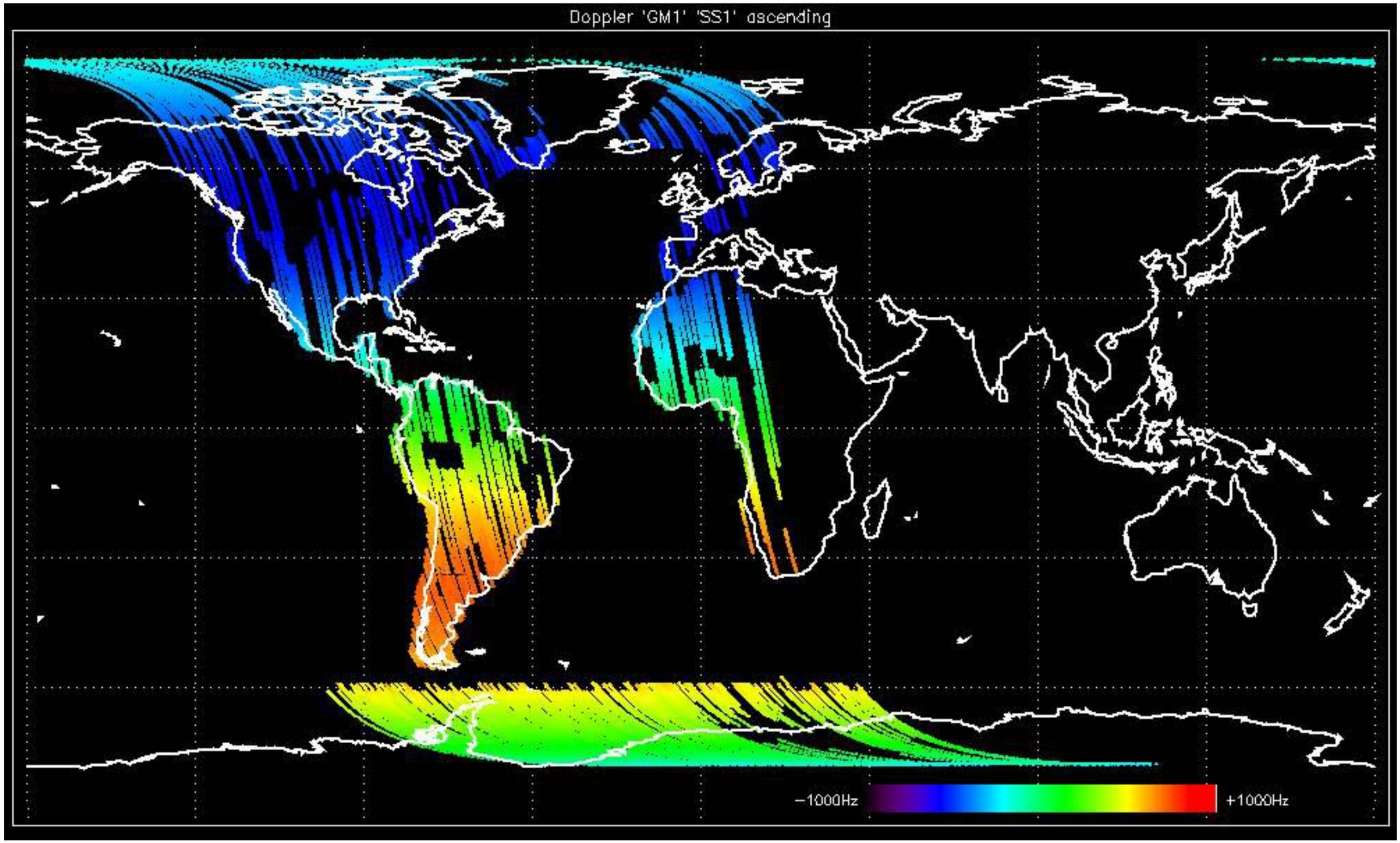
No anomalies observed.

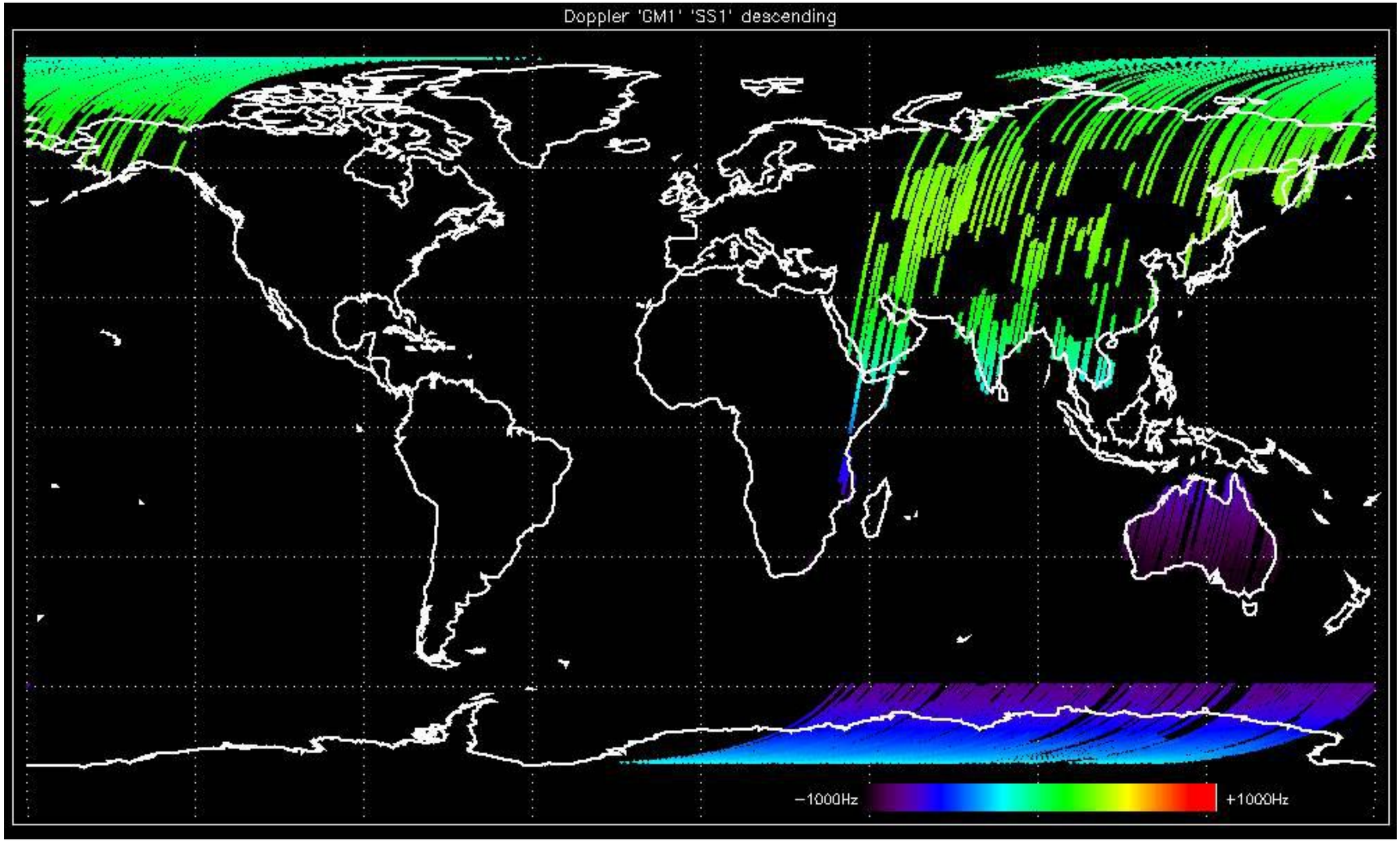

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

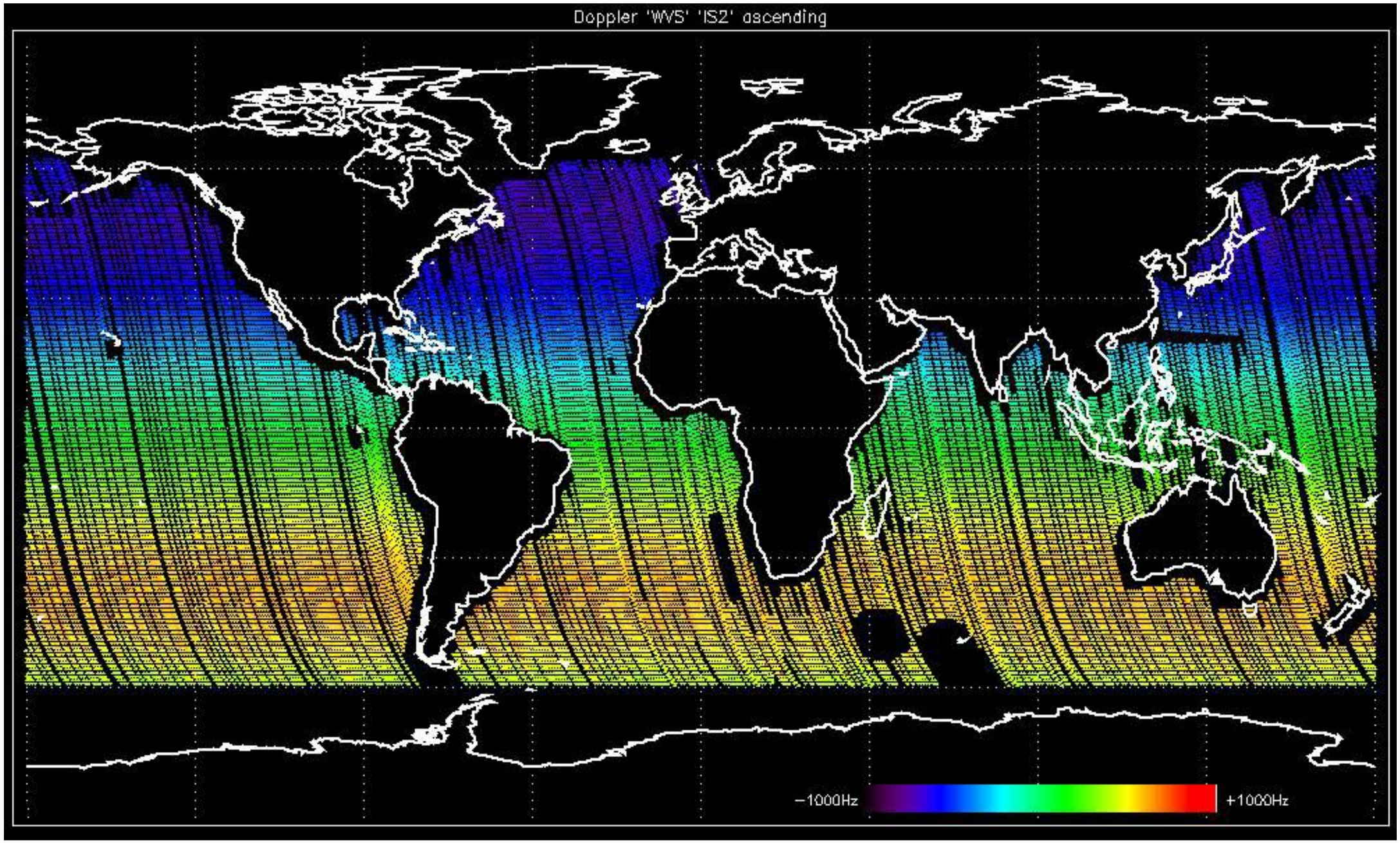

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

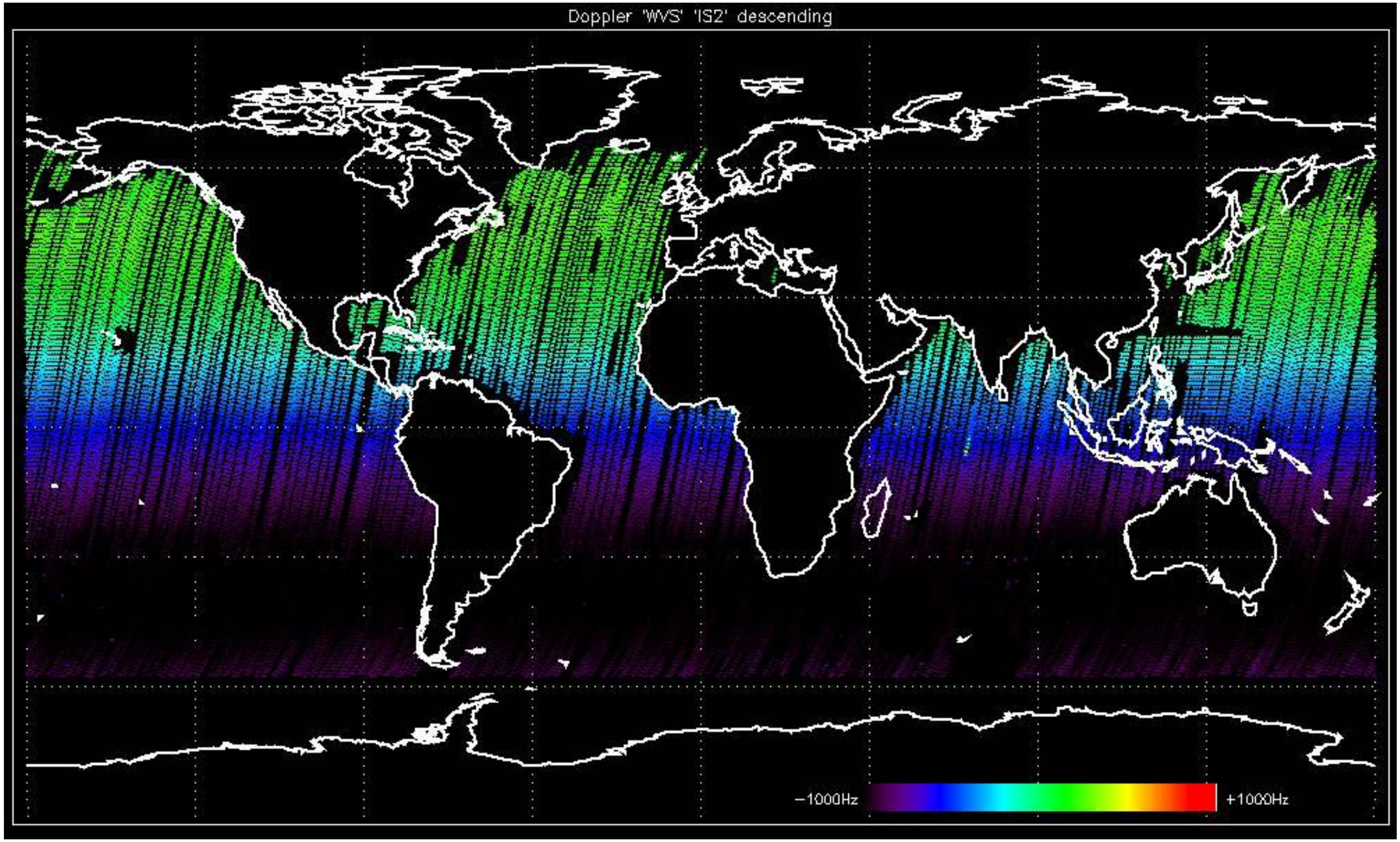
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

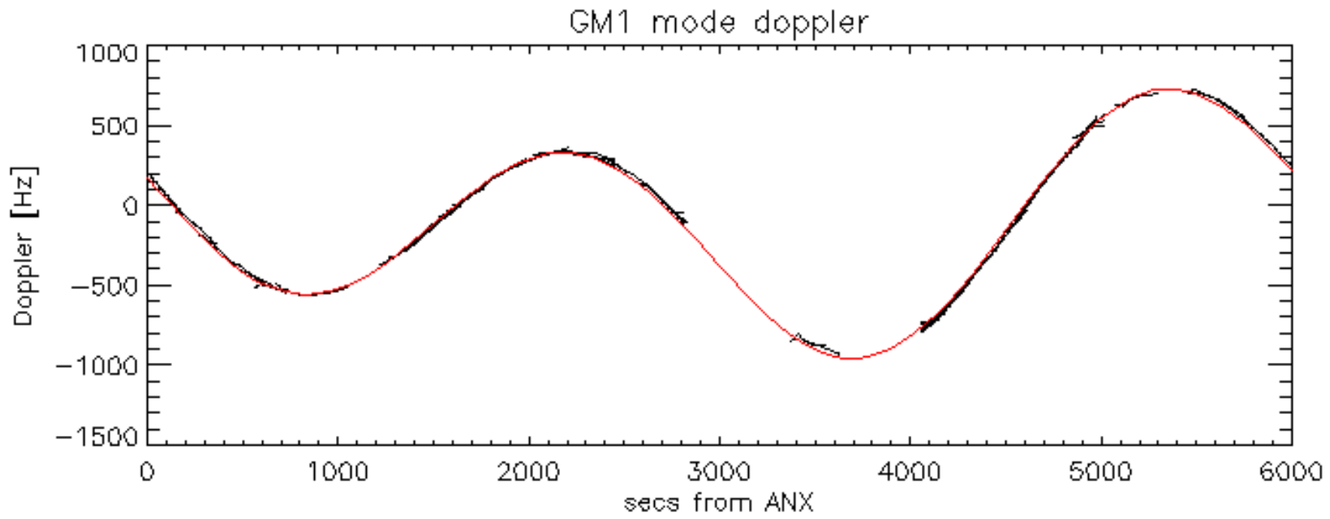
Preliminary report.The data is not yet controled

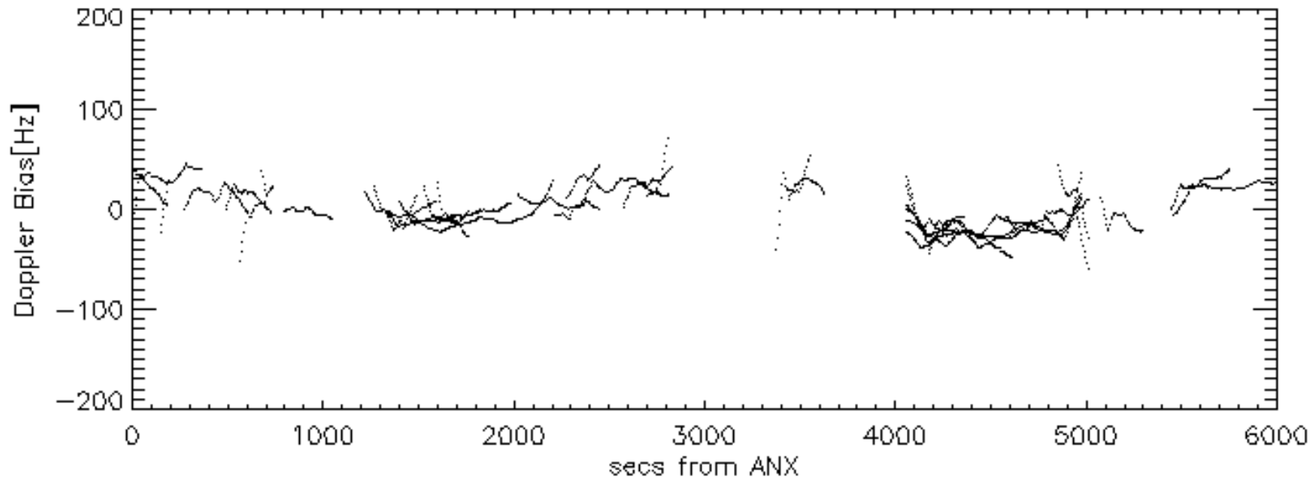

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

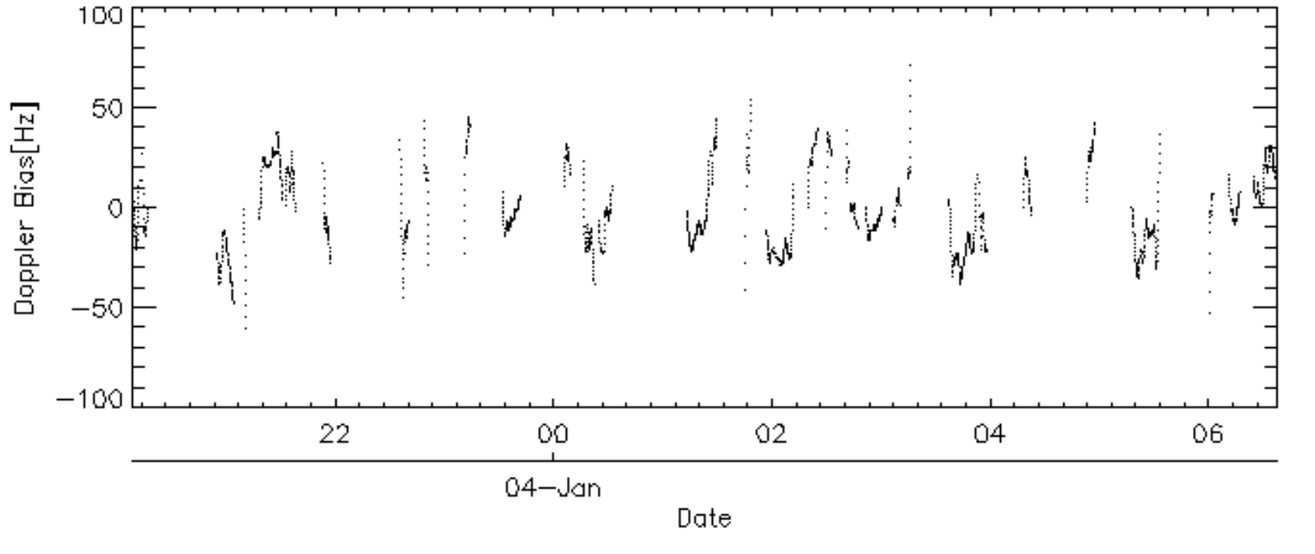

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

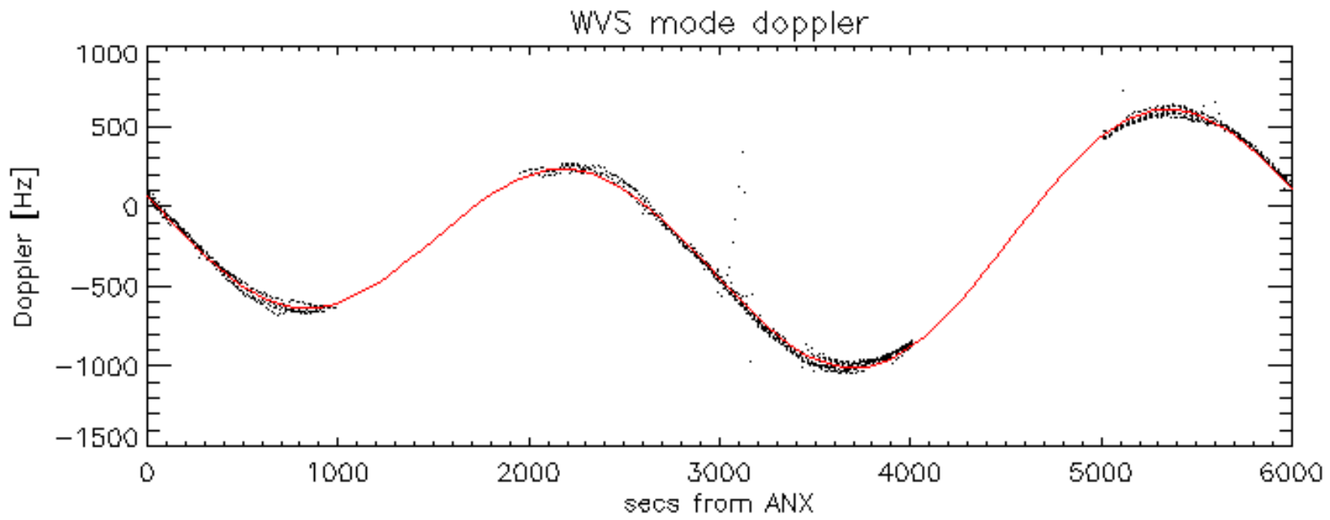

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

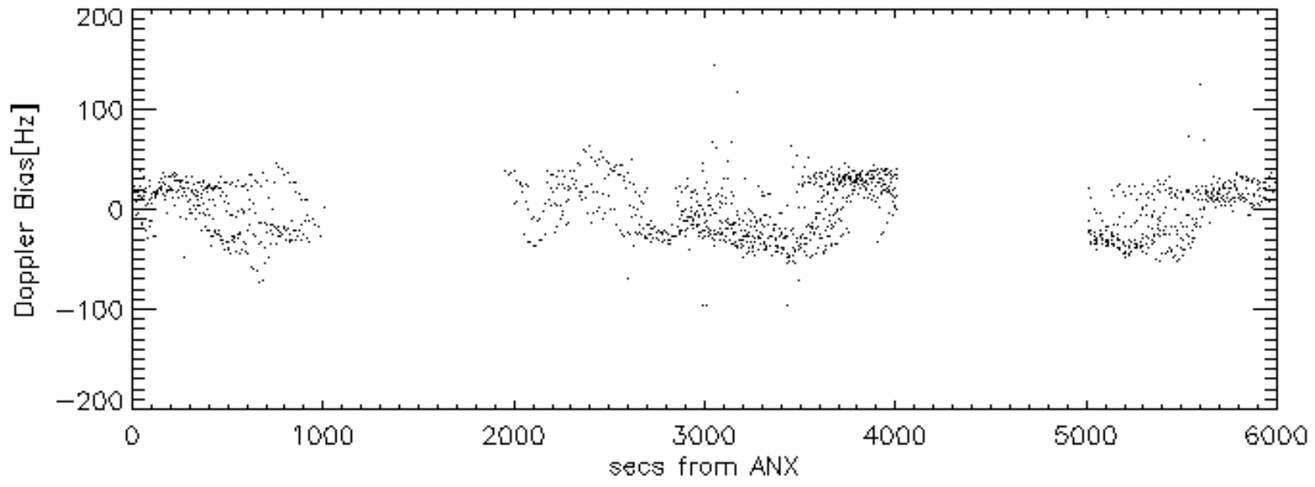

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

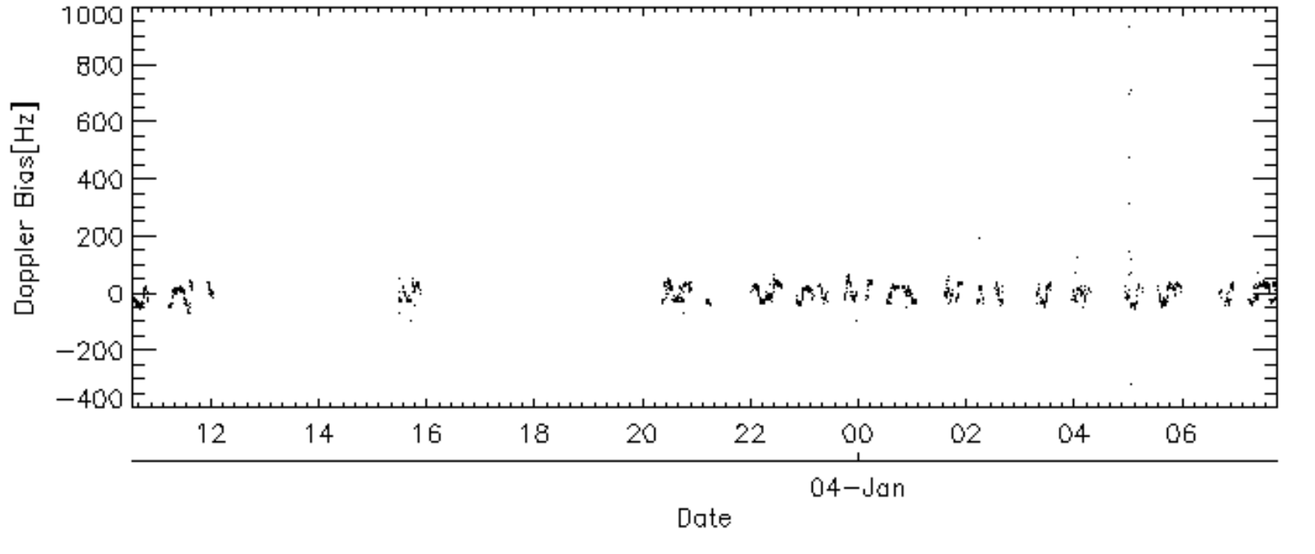

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

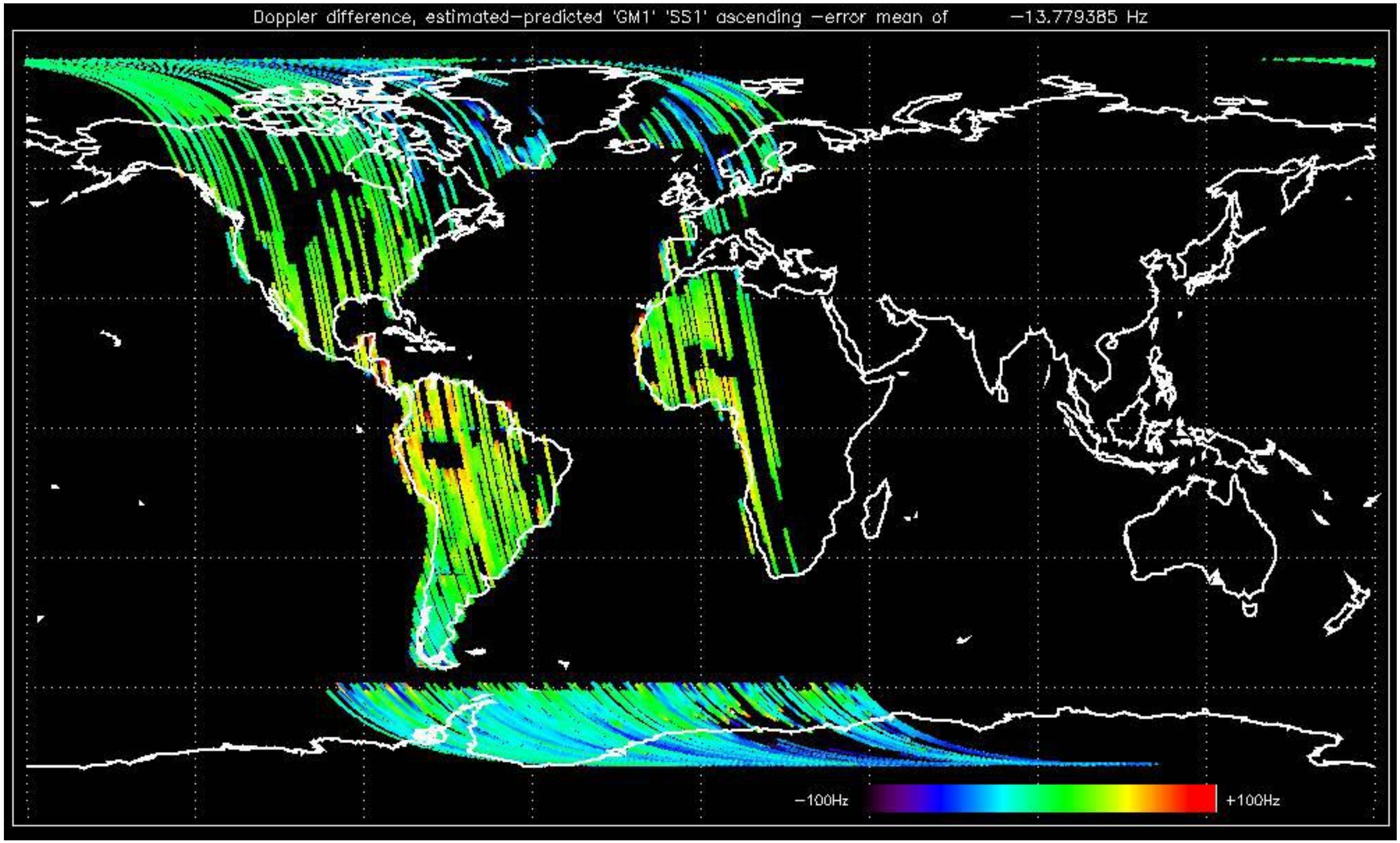

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

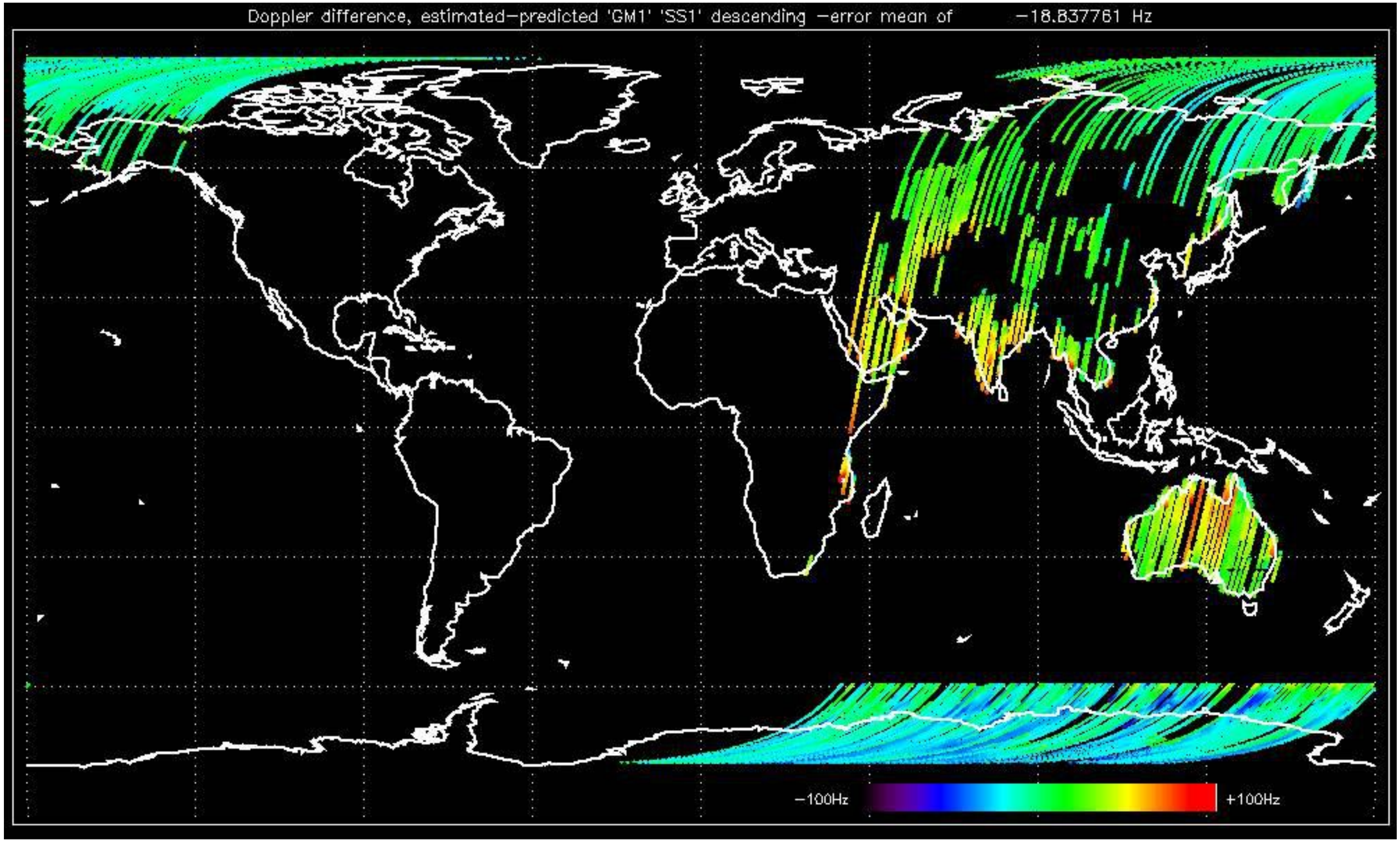

Doppler Bias[Hz]
100
50
0
−50
−100
22
00
02
04
06
04−Jan
Date

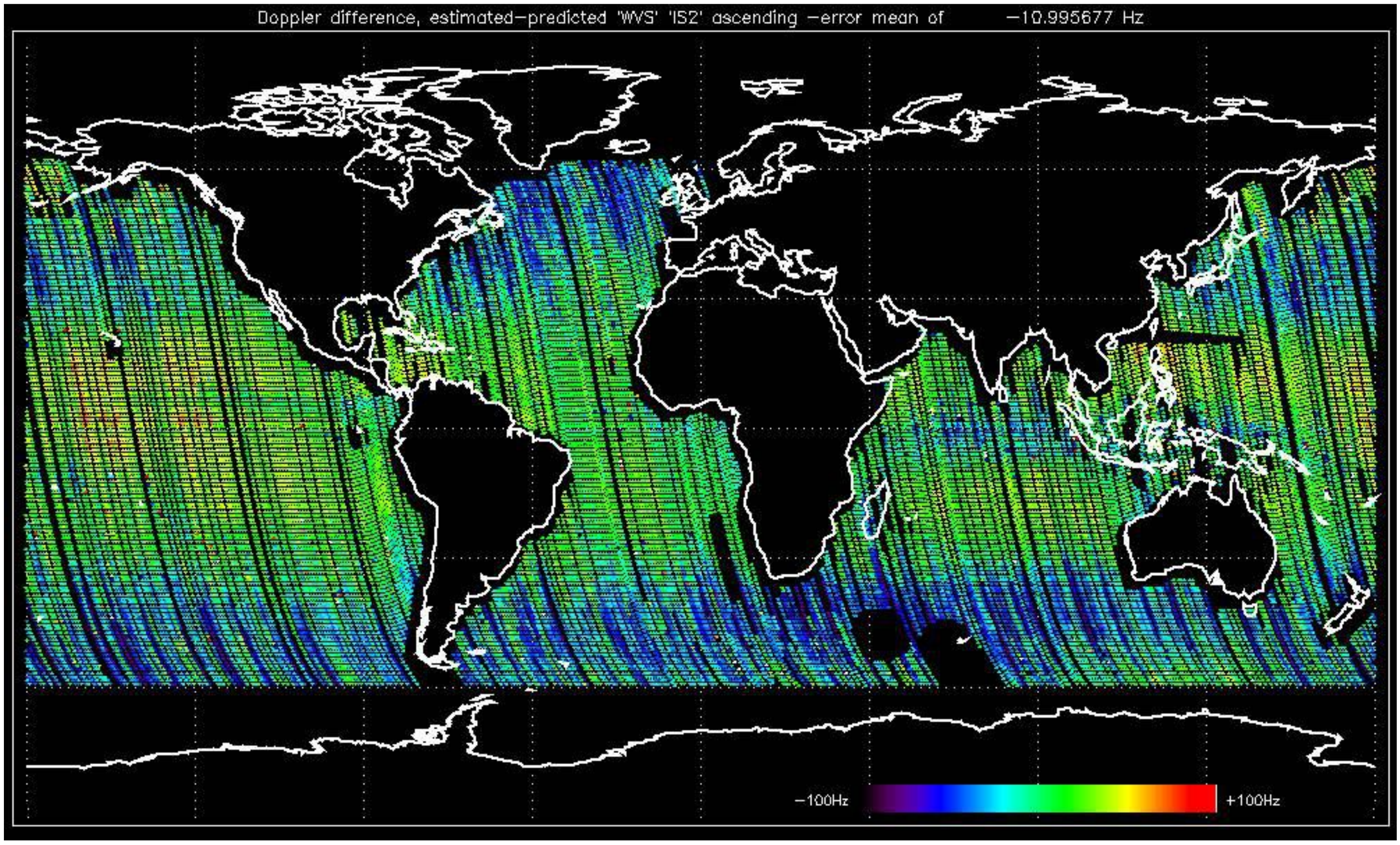

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

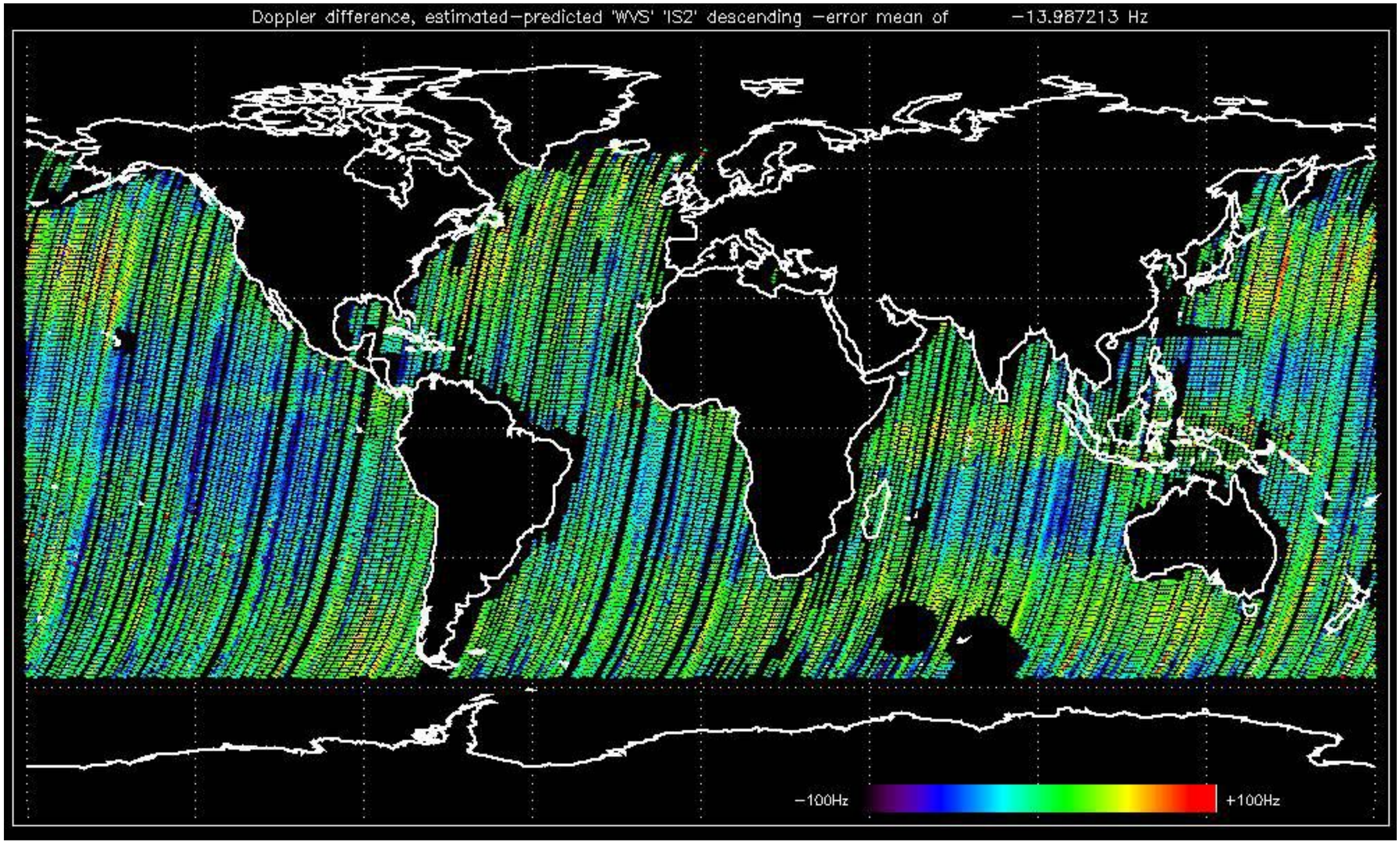

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
1000
800
600
400
200
0
−200
−400
12
14
16
18
20
22
00
02
04
06
04−Jan
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −13.779385 Hz
−100Hz
+100Hz

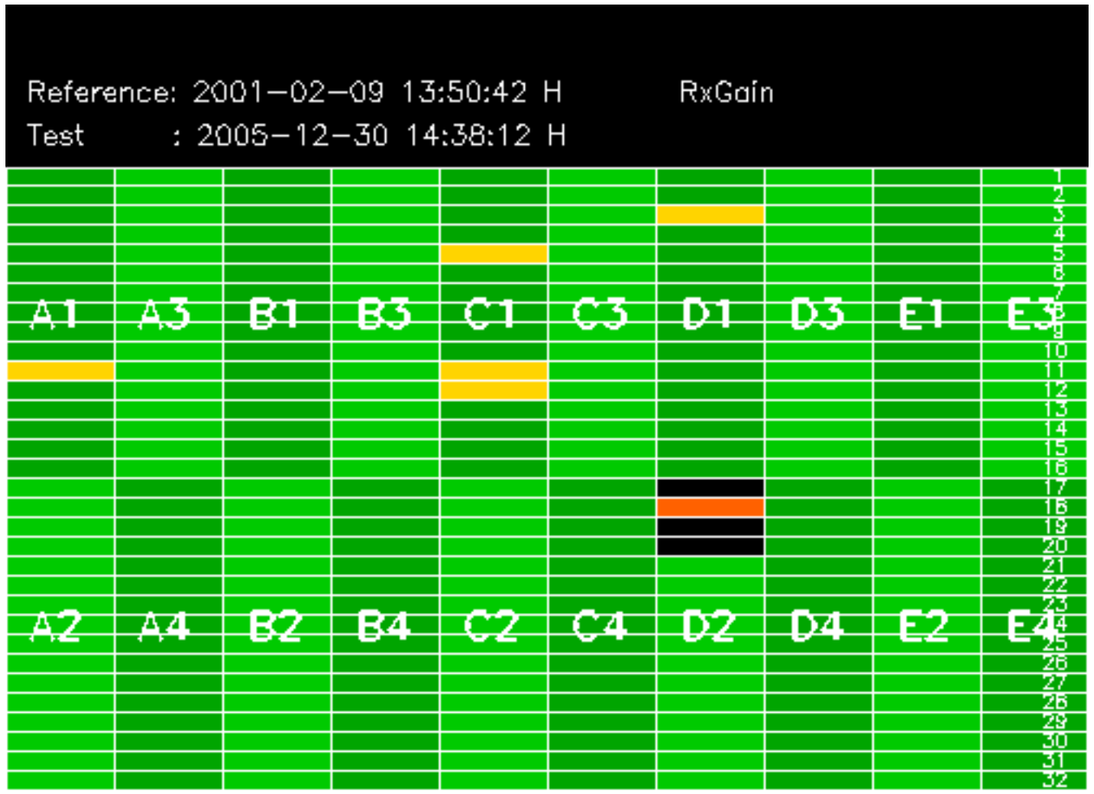

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.837761 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −10.995677 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.987213 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-30 14:38:12 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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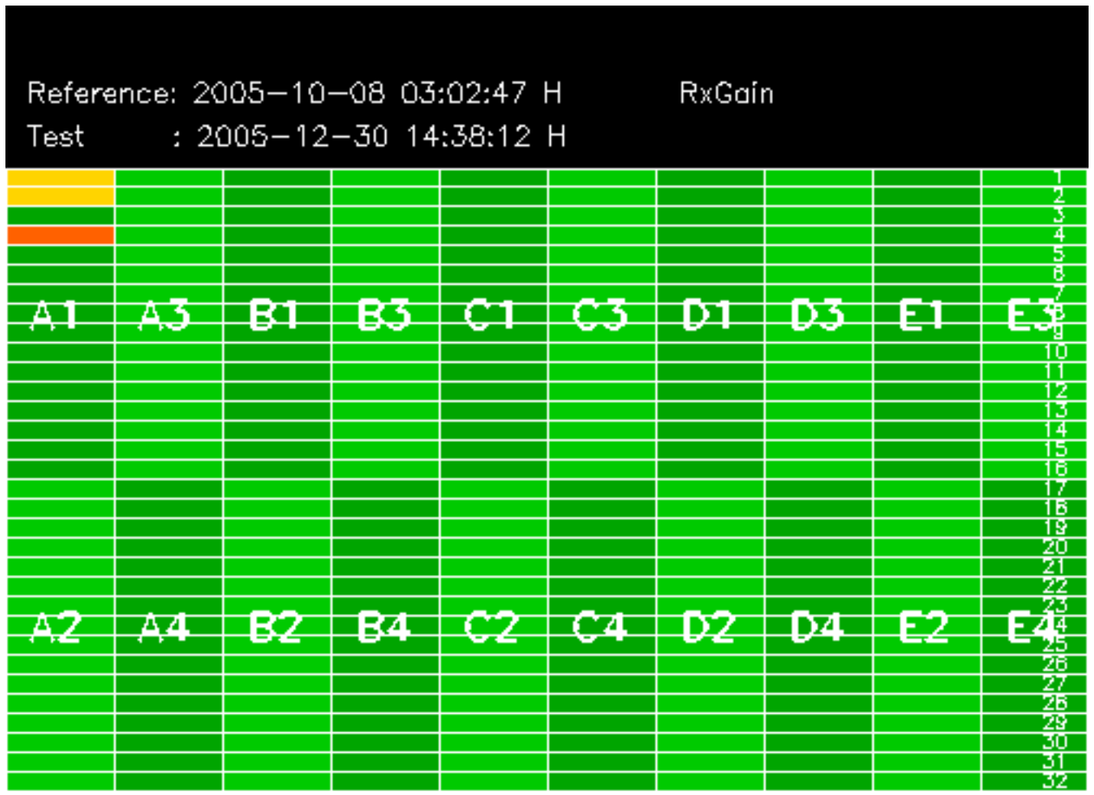
Reference: 2005-10-08 03:02:47 H
Test : 2005-12-30 14:38:12 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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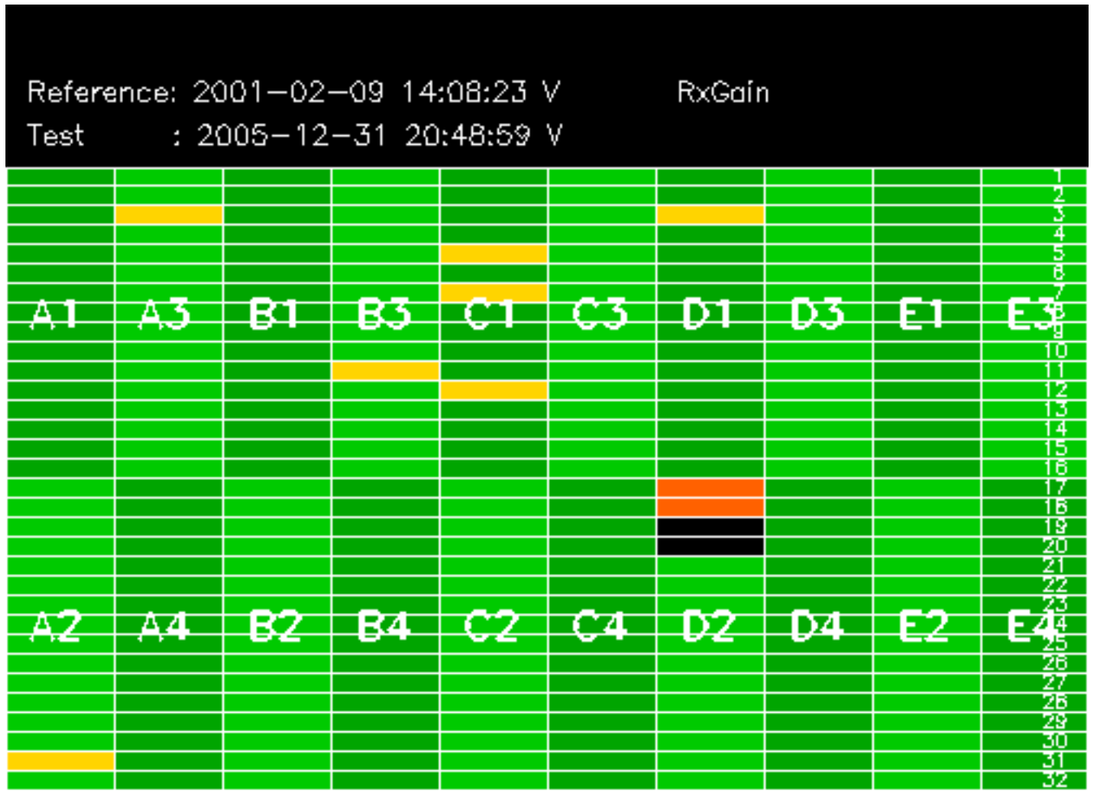
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-31 20:48:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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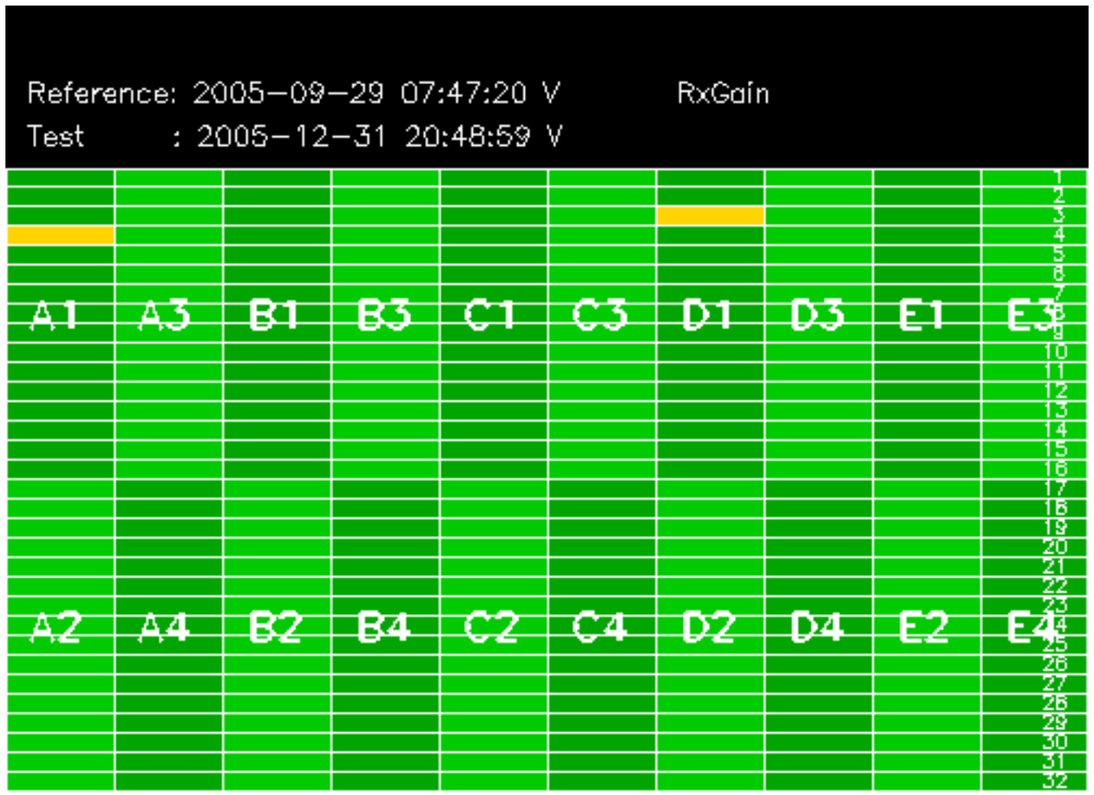
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-31 20:48:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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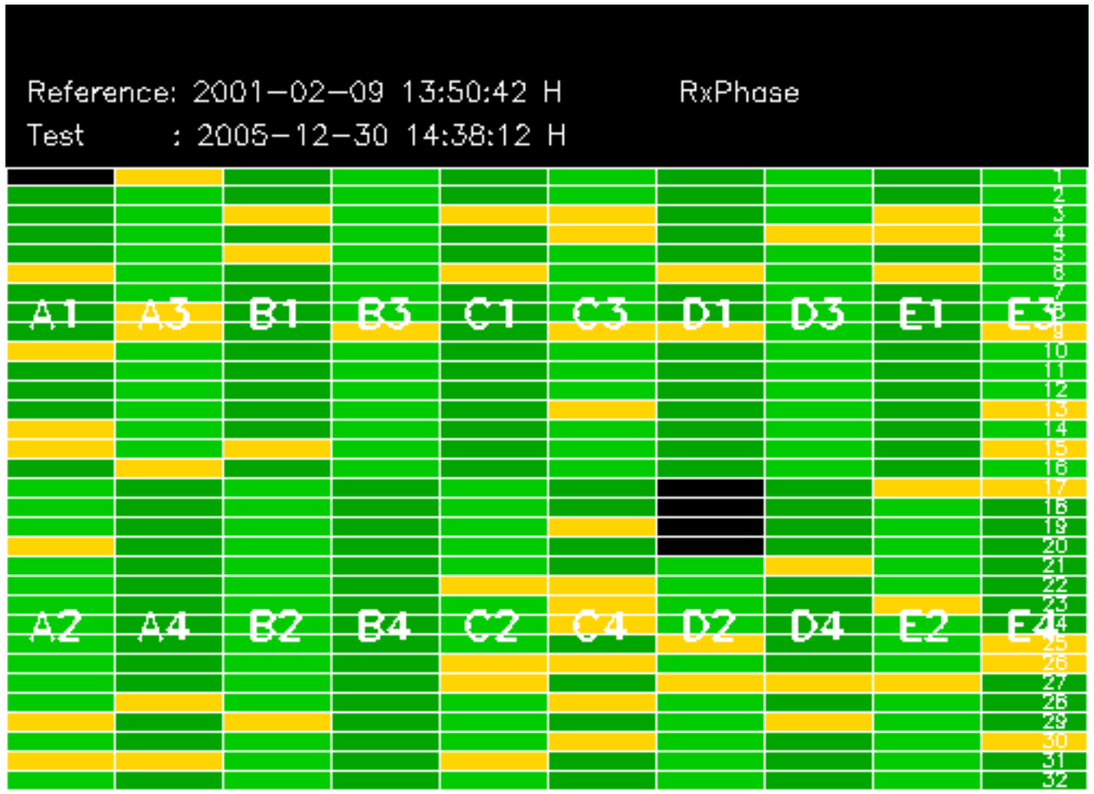
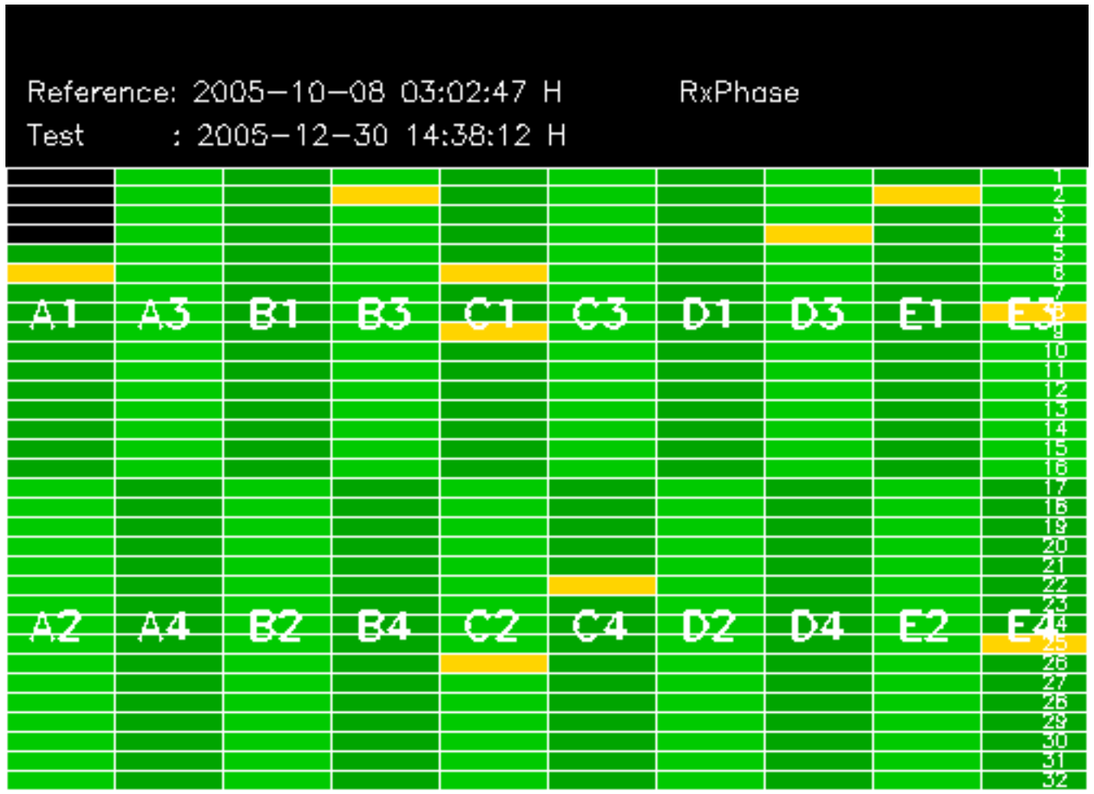

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-12-30 14:38:12 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2005-12-30 14:38:12 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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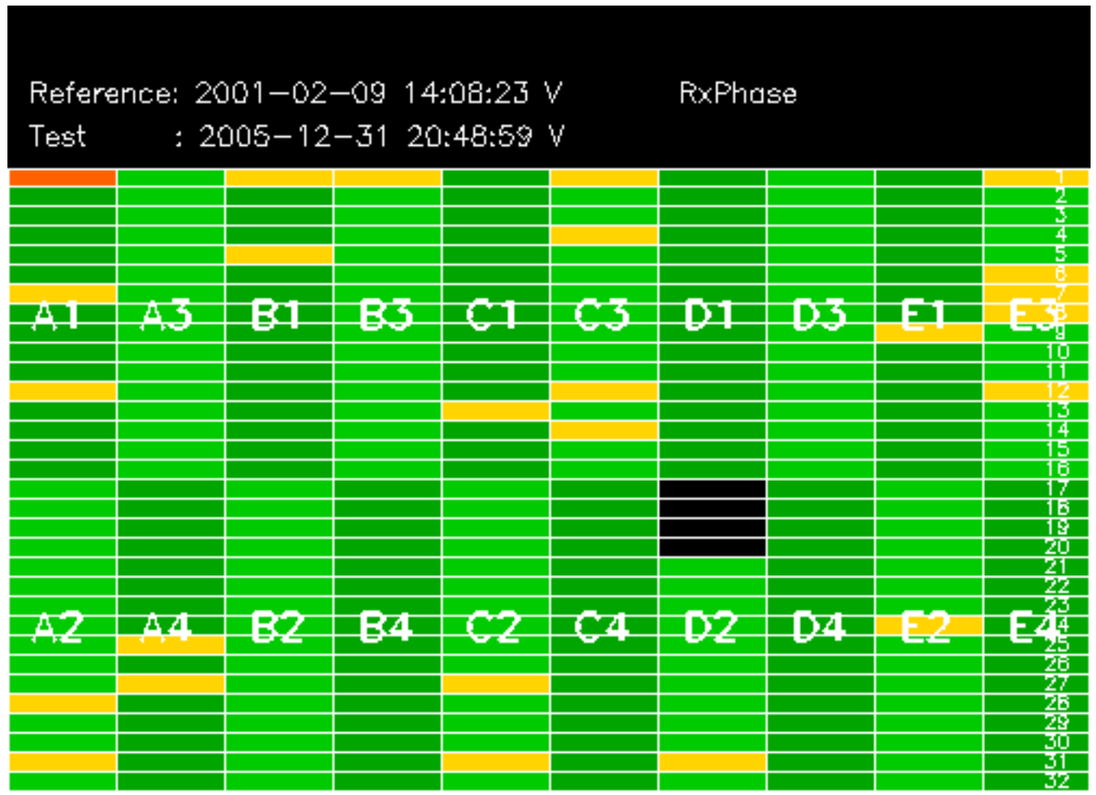
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-31 20:48:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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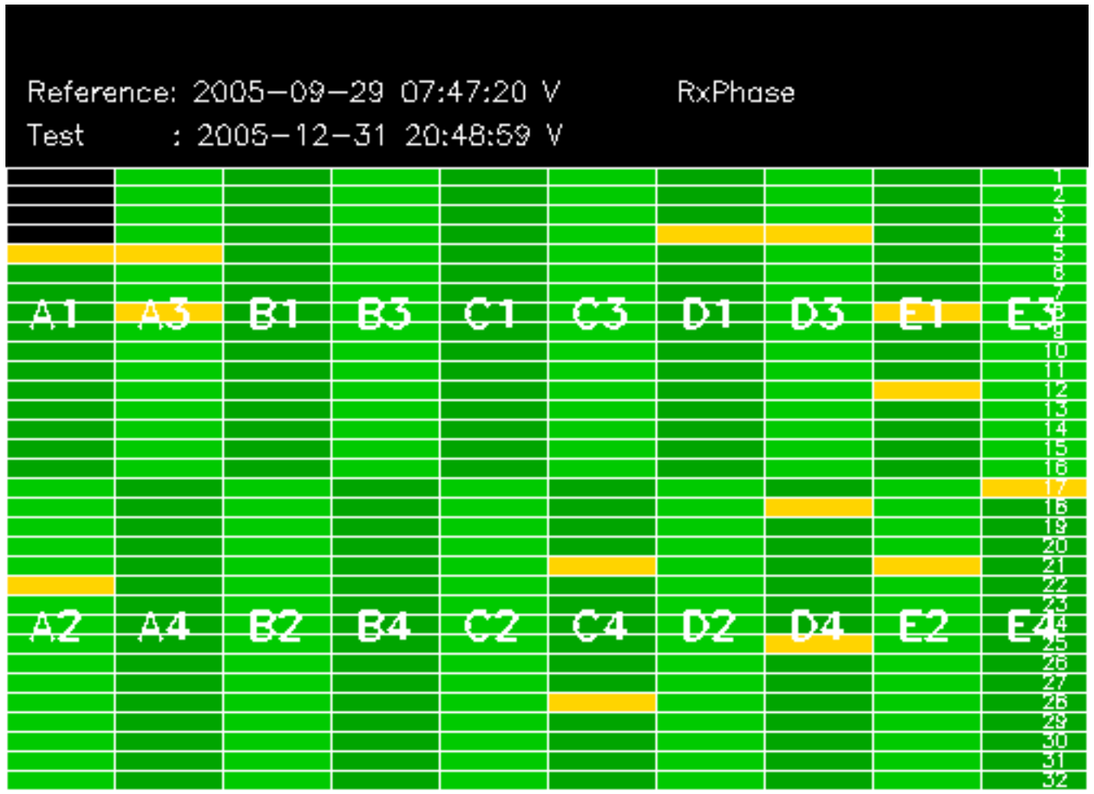
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-31 20:48:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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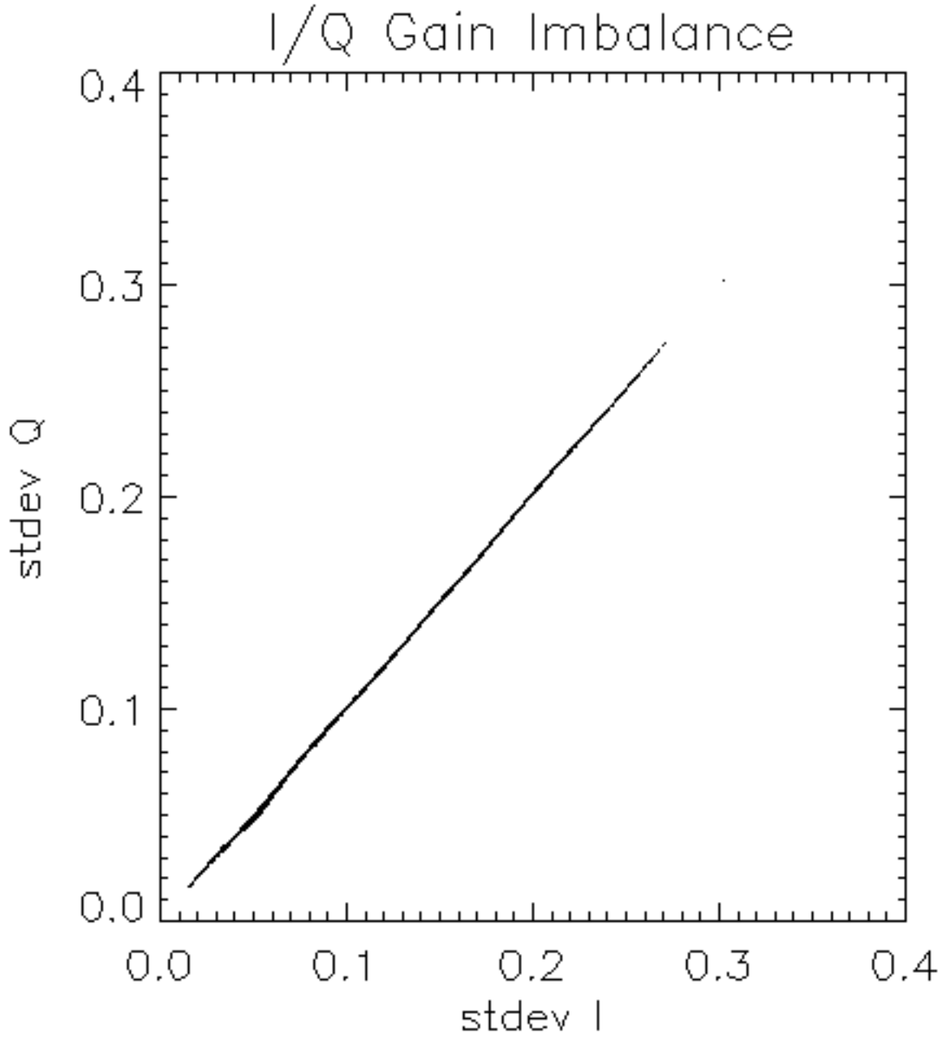
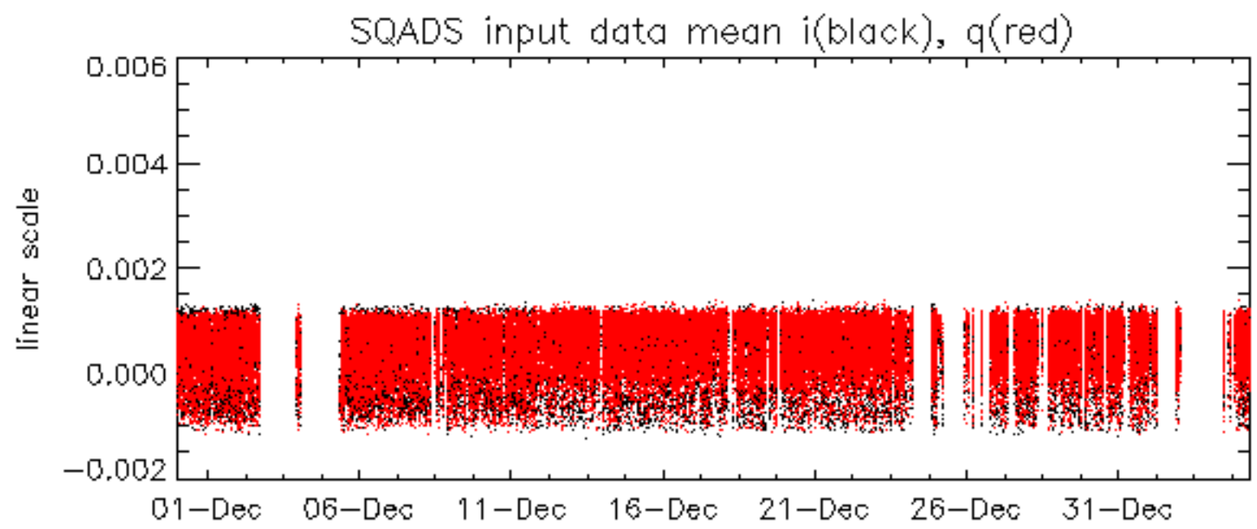
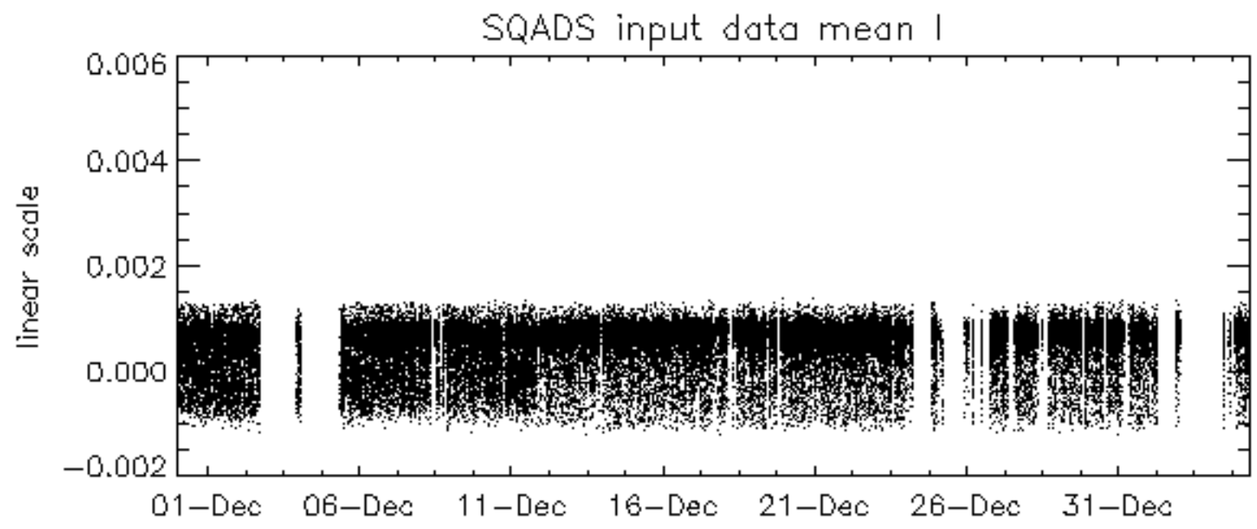
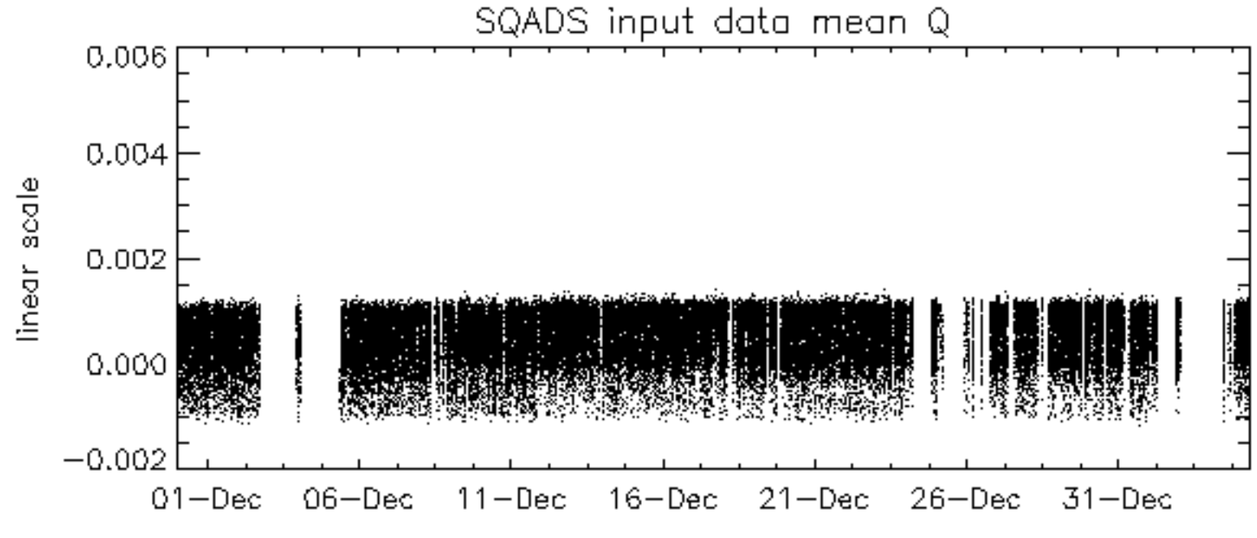
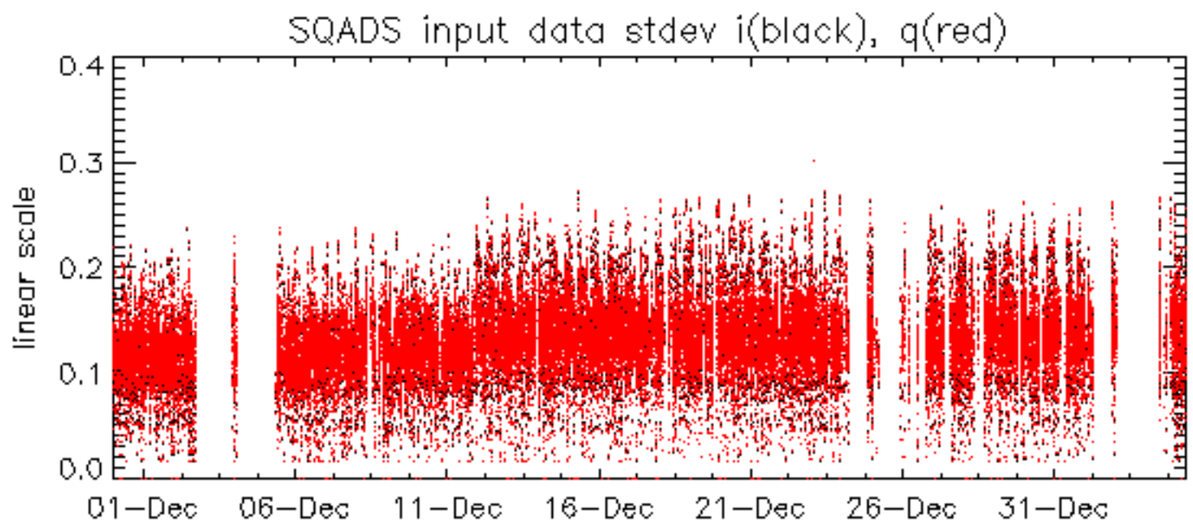
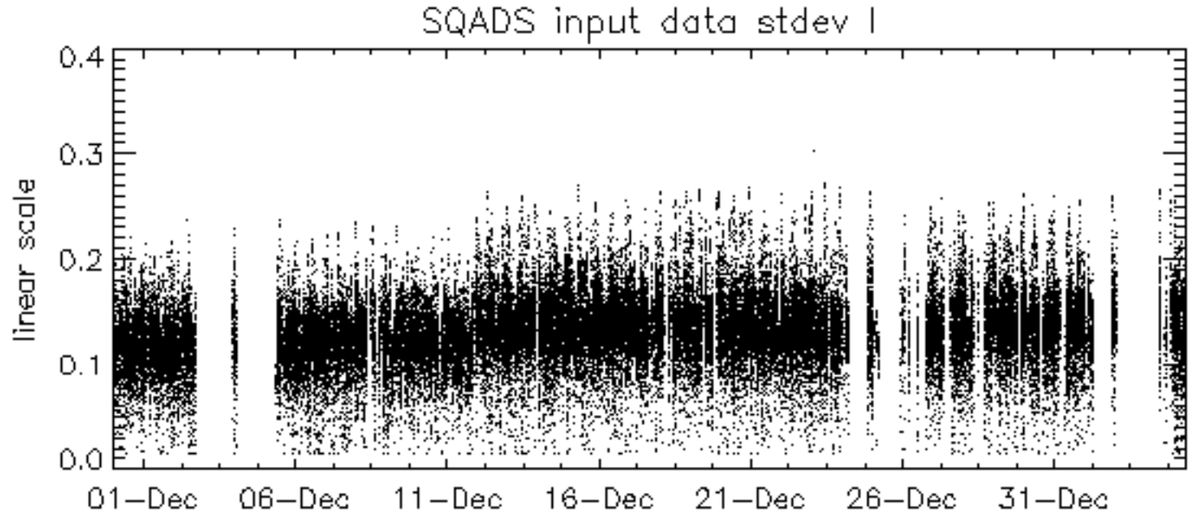

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

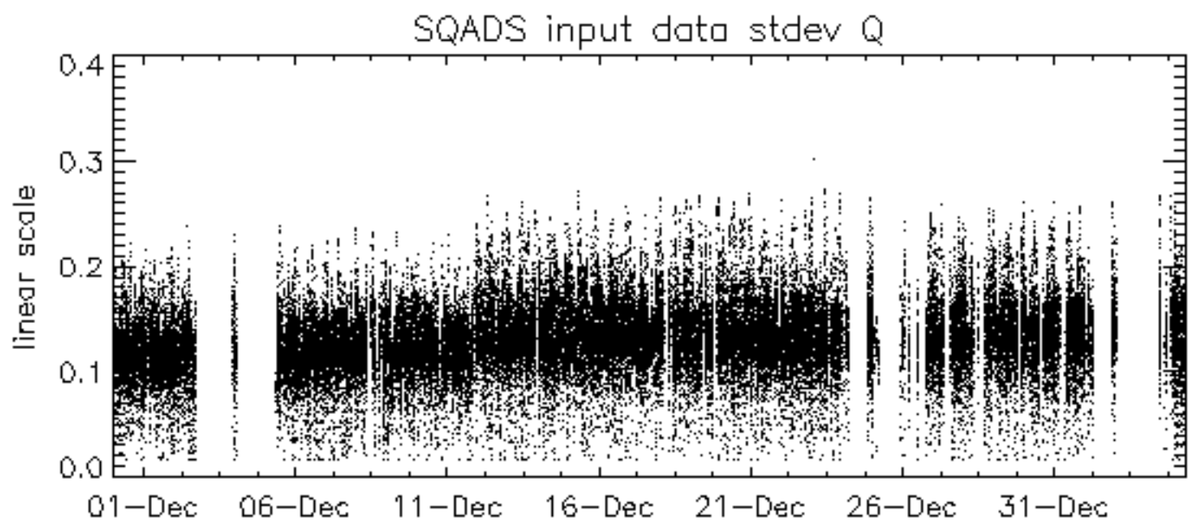

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec

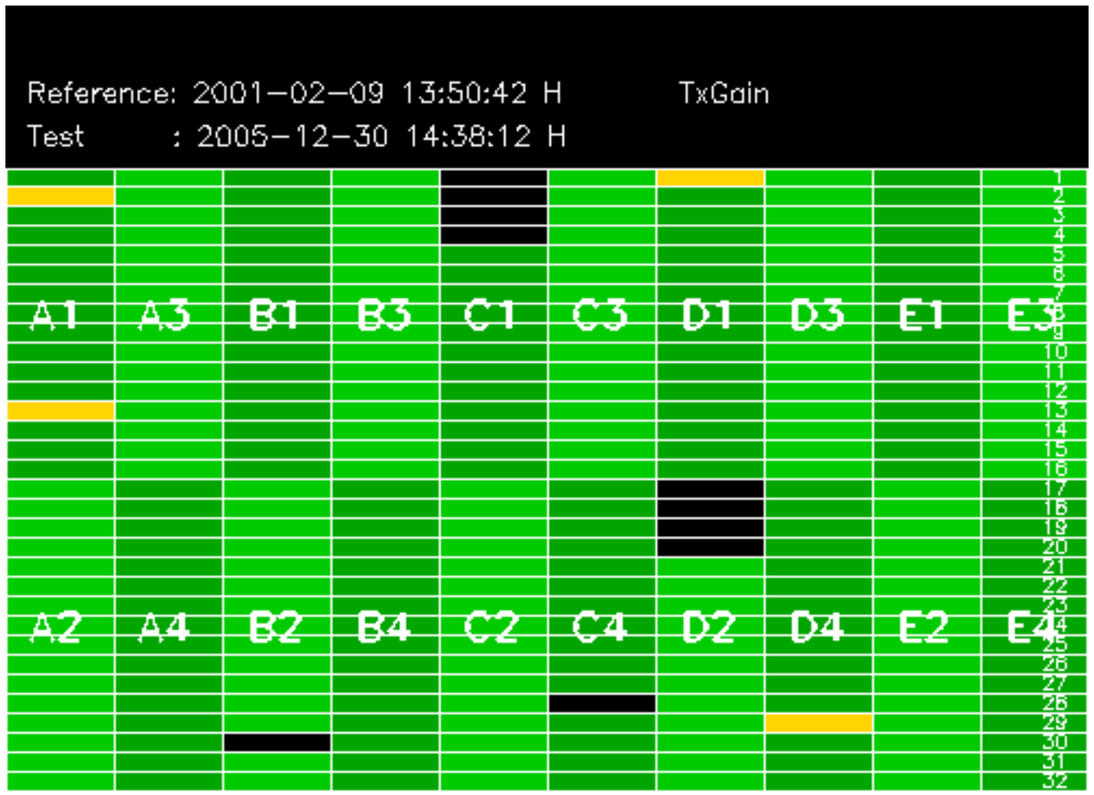

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec

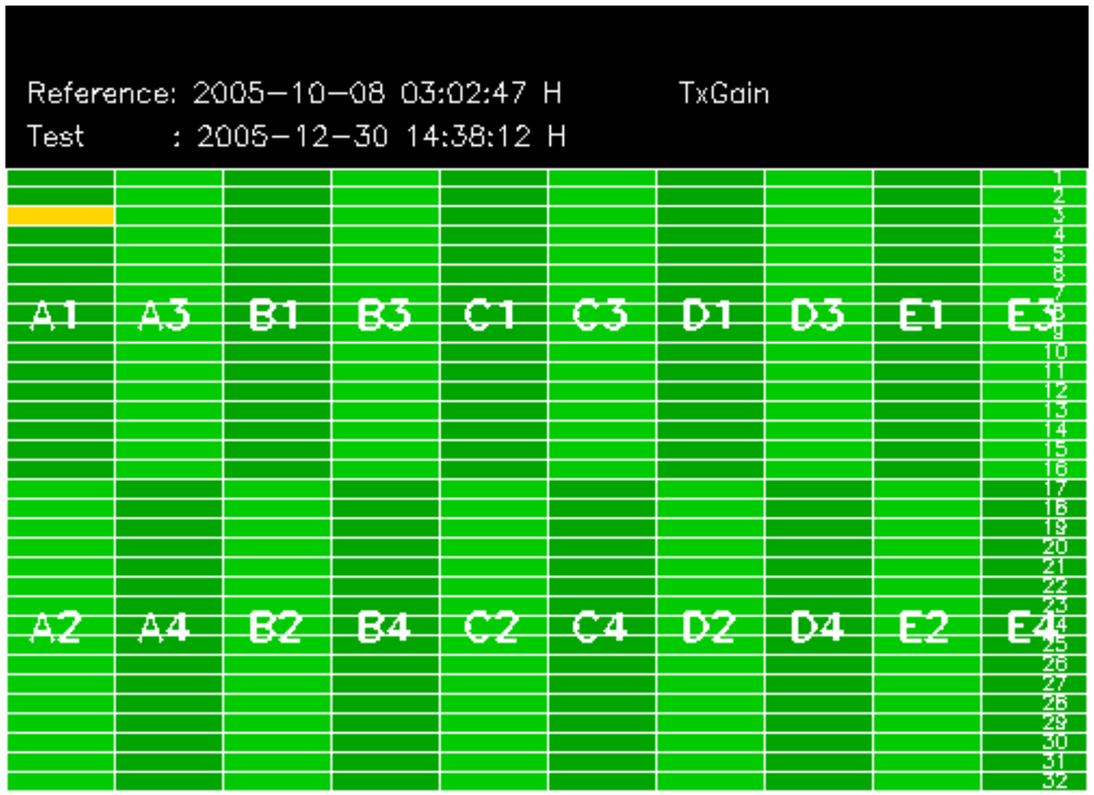

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-30 14:38:12 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2005-12-30 14:38:12 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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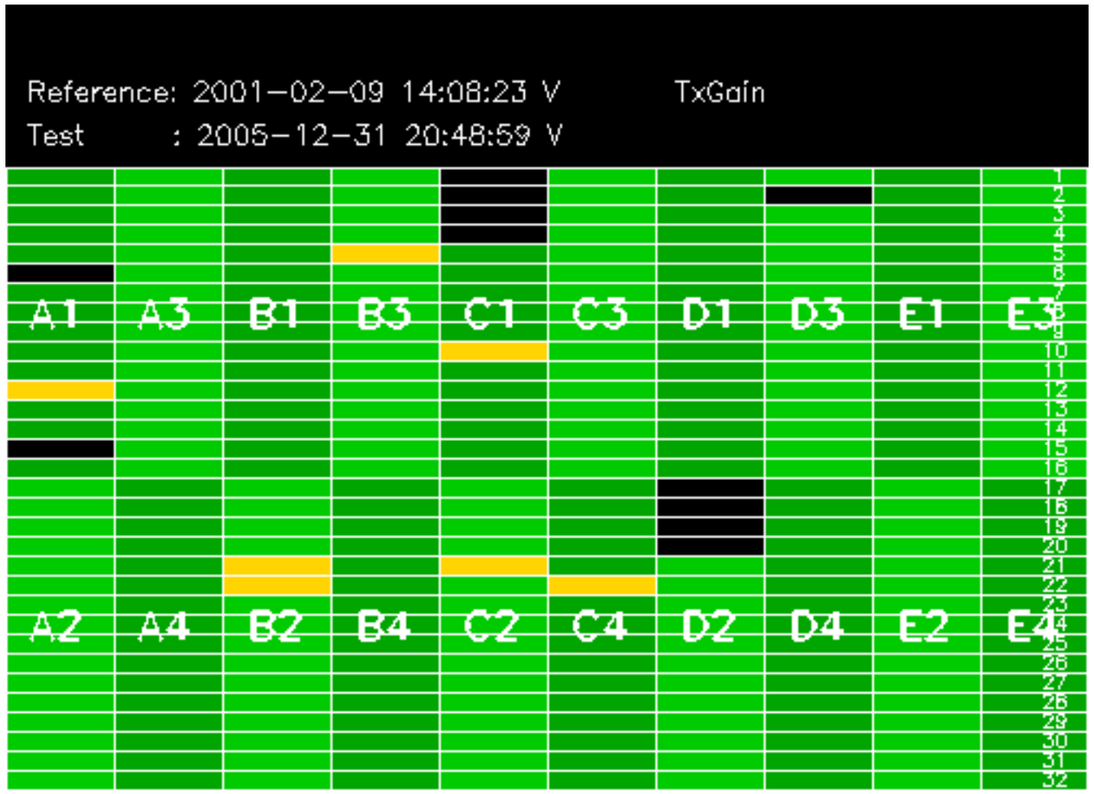
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-31 20:48:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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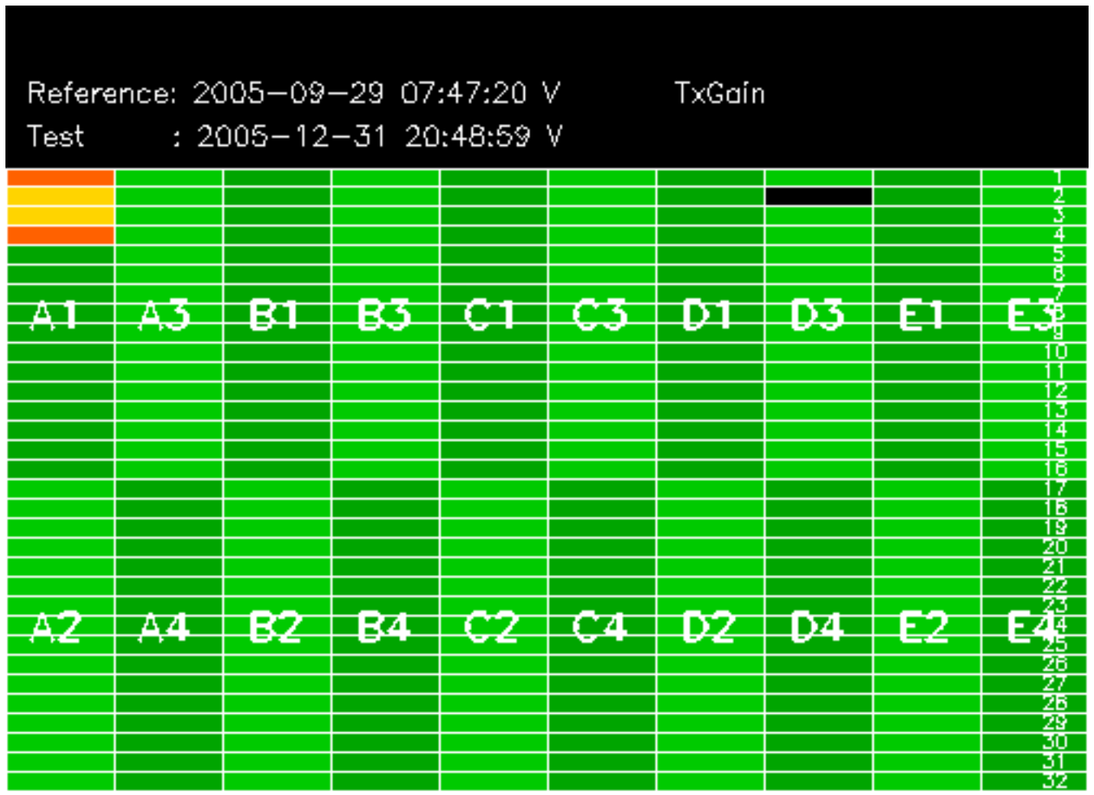
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-31 20:48:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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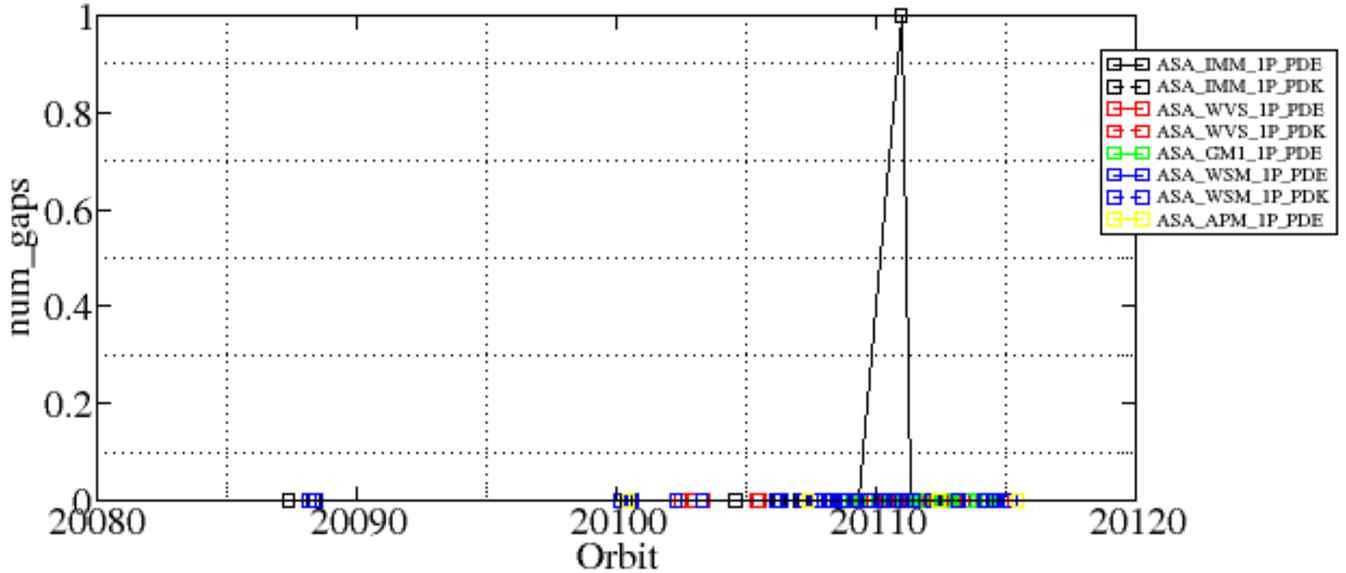
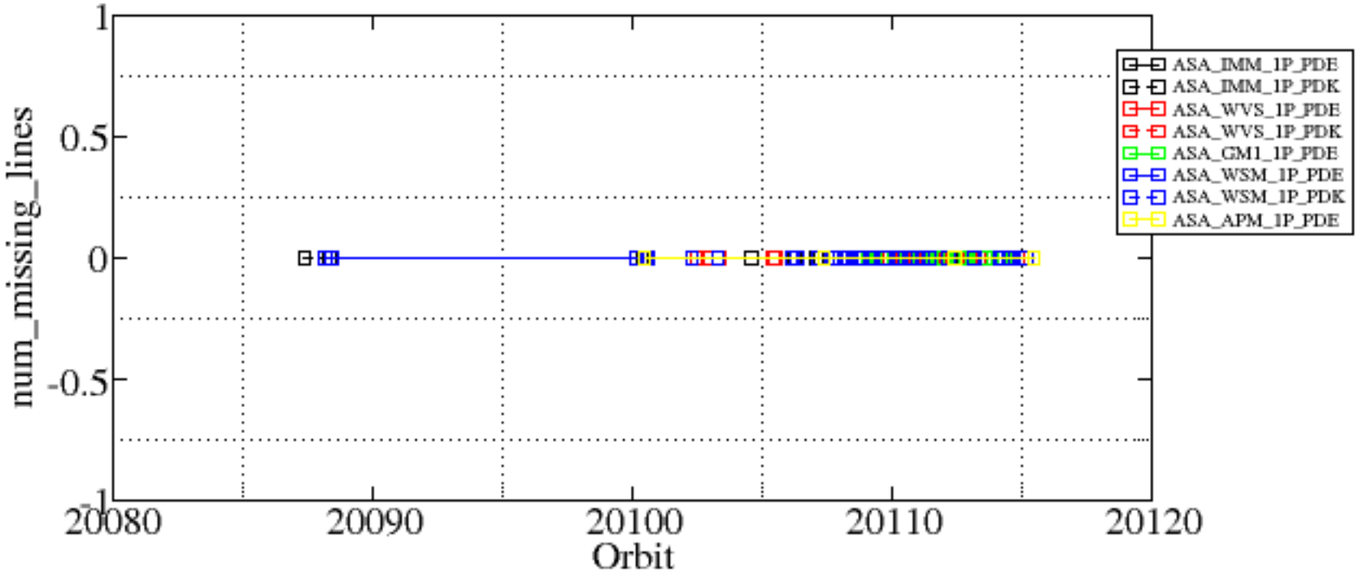
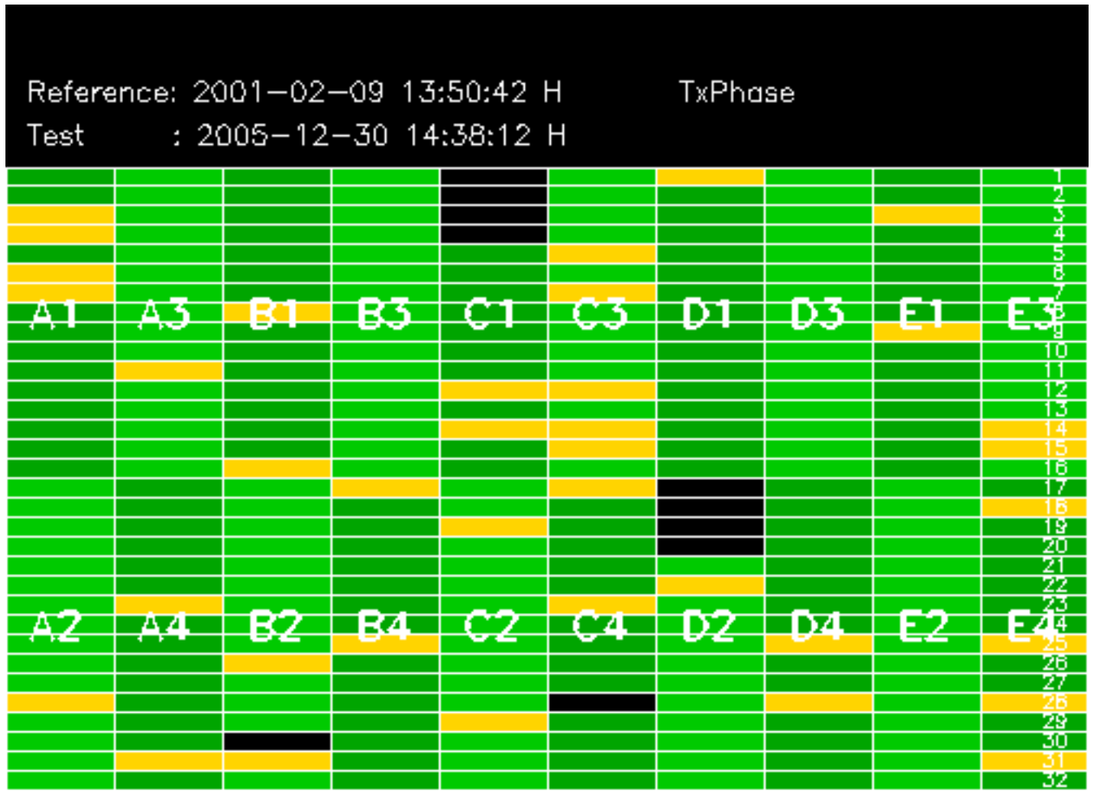
Summary of analysis for the last 3 days 2006010[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060104_004520_000001852044_00016_20110_5463.N1 </td> <td>1 </td> <td>0 </td></tr>
</table><br><br><br>


num_gaps
1
0.8
0.6
0.4
0.2
0
20080
20090
20100
20110
20120
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
1
0.5
0
-0.5
-1
20080
20090
20100
20110
20120
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-30 14:38:12 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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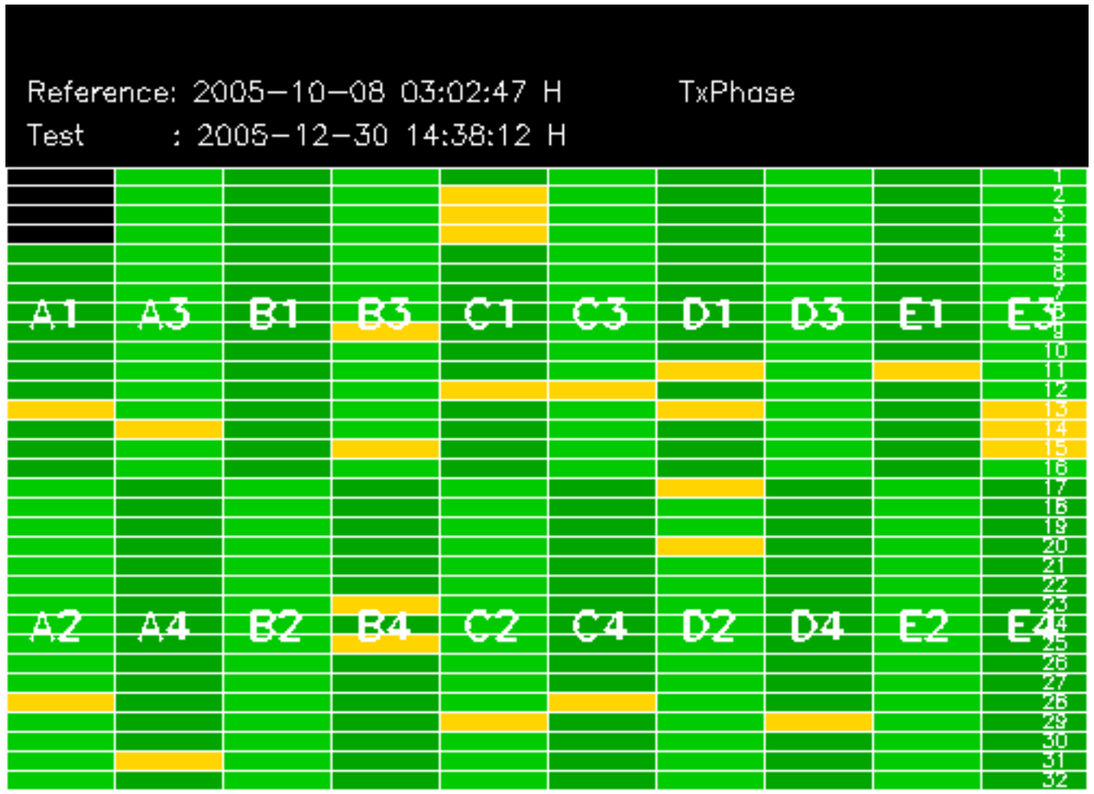
Reference: 2005-10-08 03:02:47 H
Test : 2005-12-30 14:38:12 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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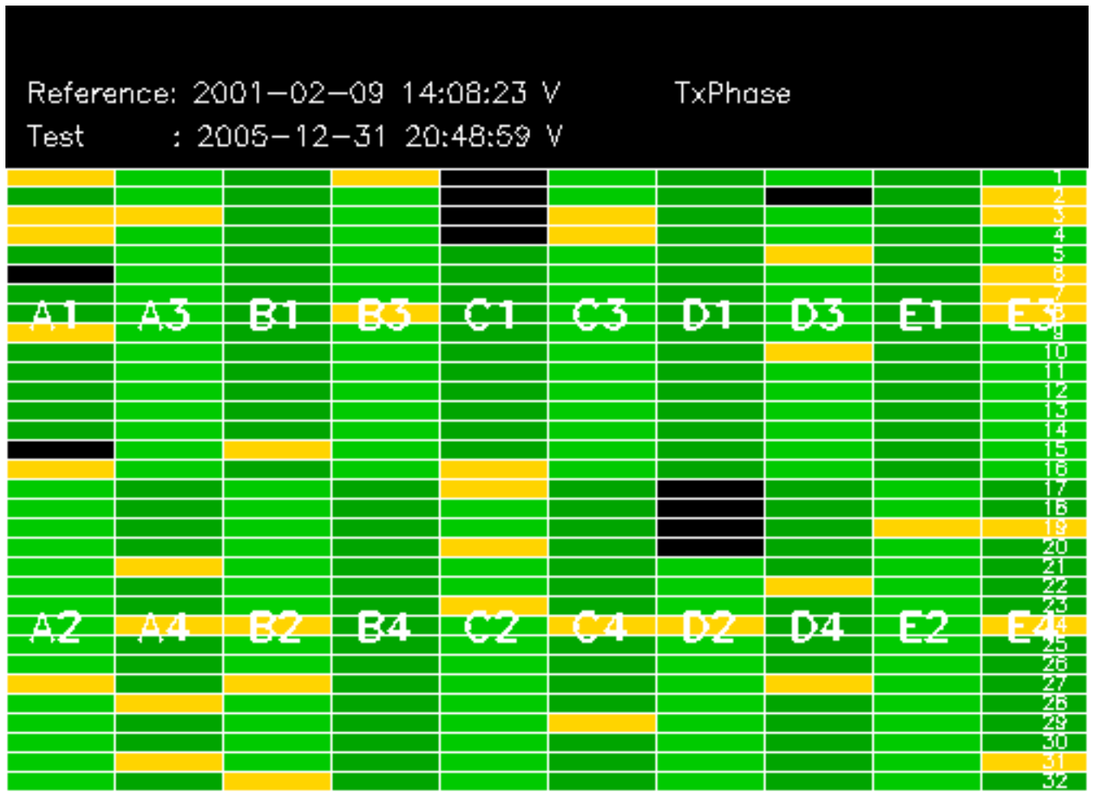
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-31 20:48:59 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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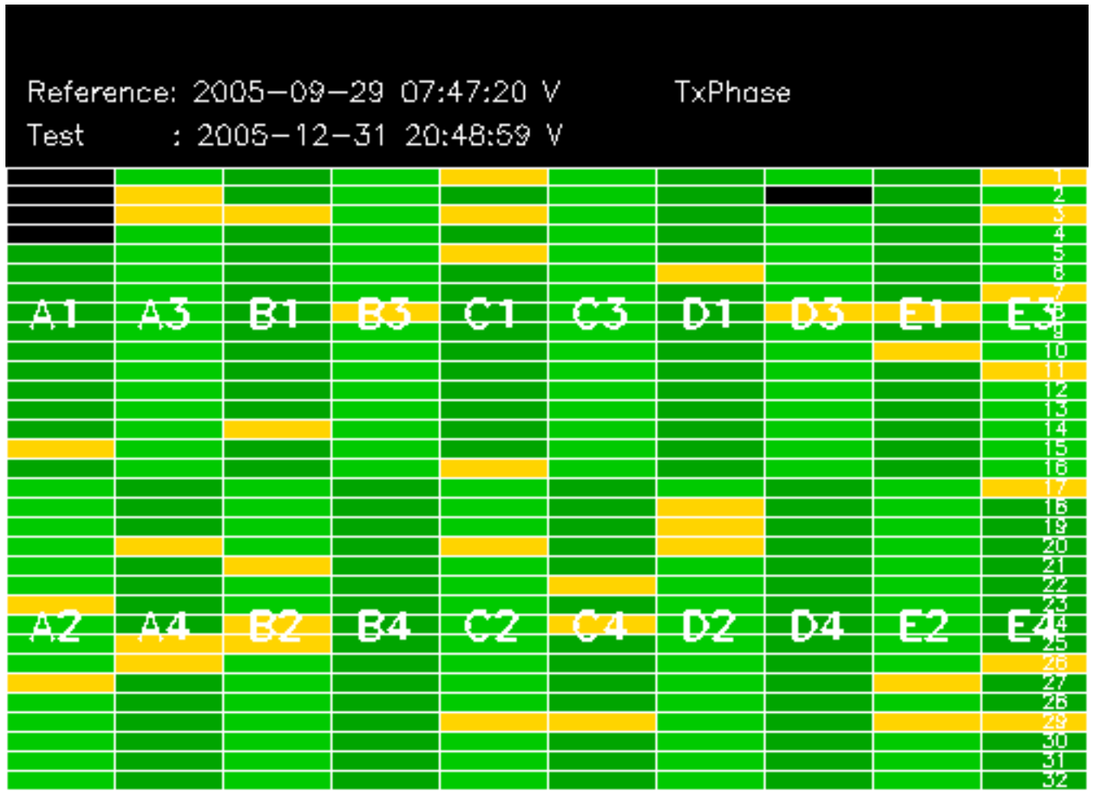
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-31 20:48:59 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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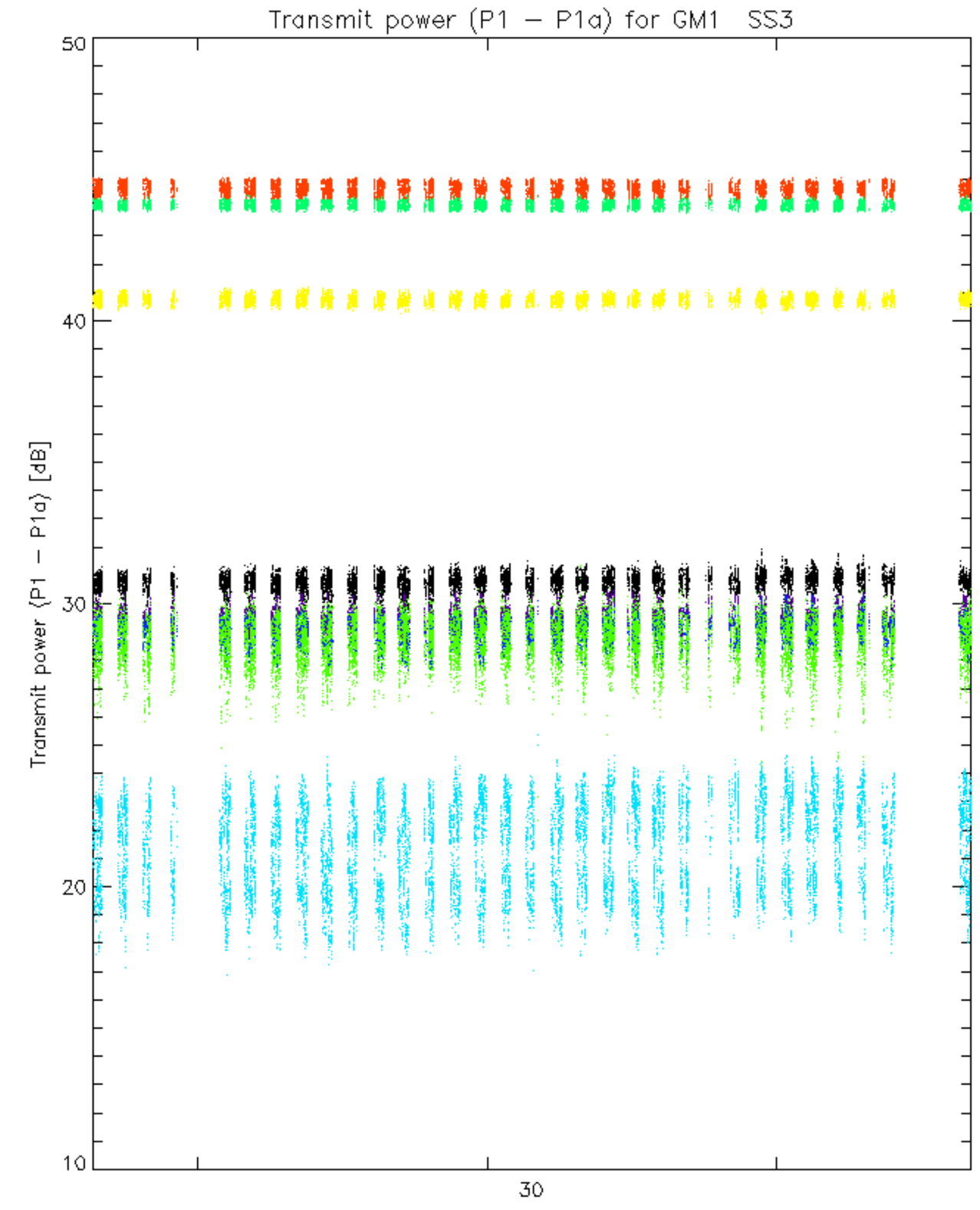
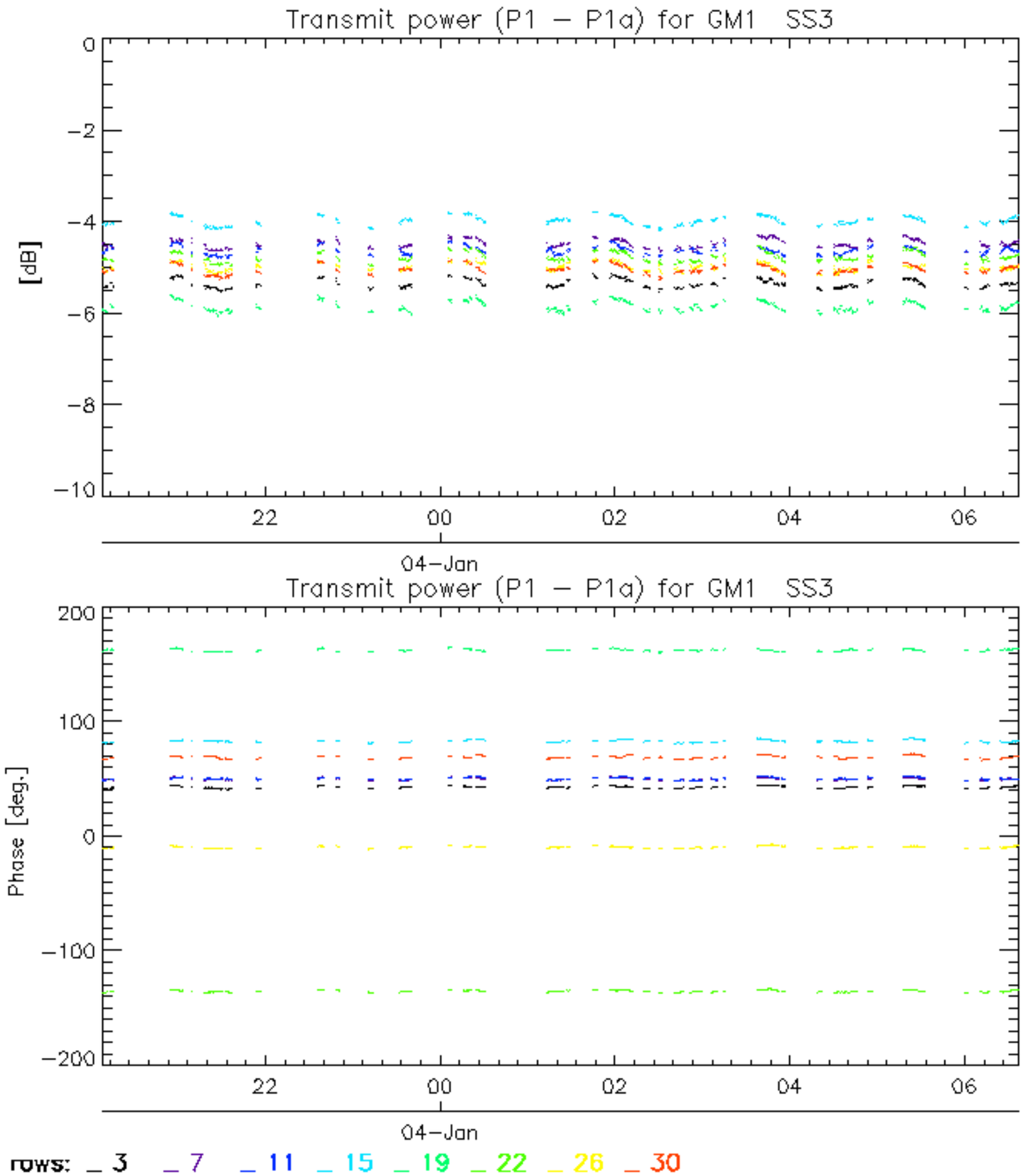
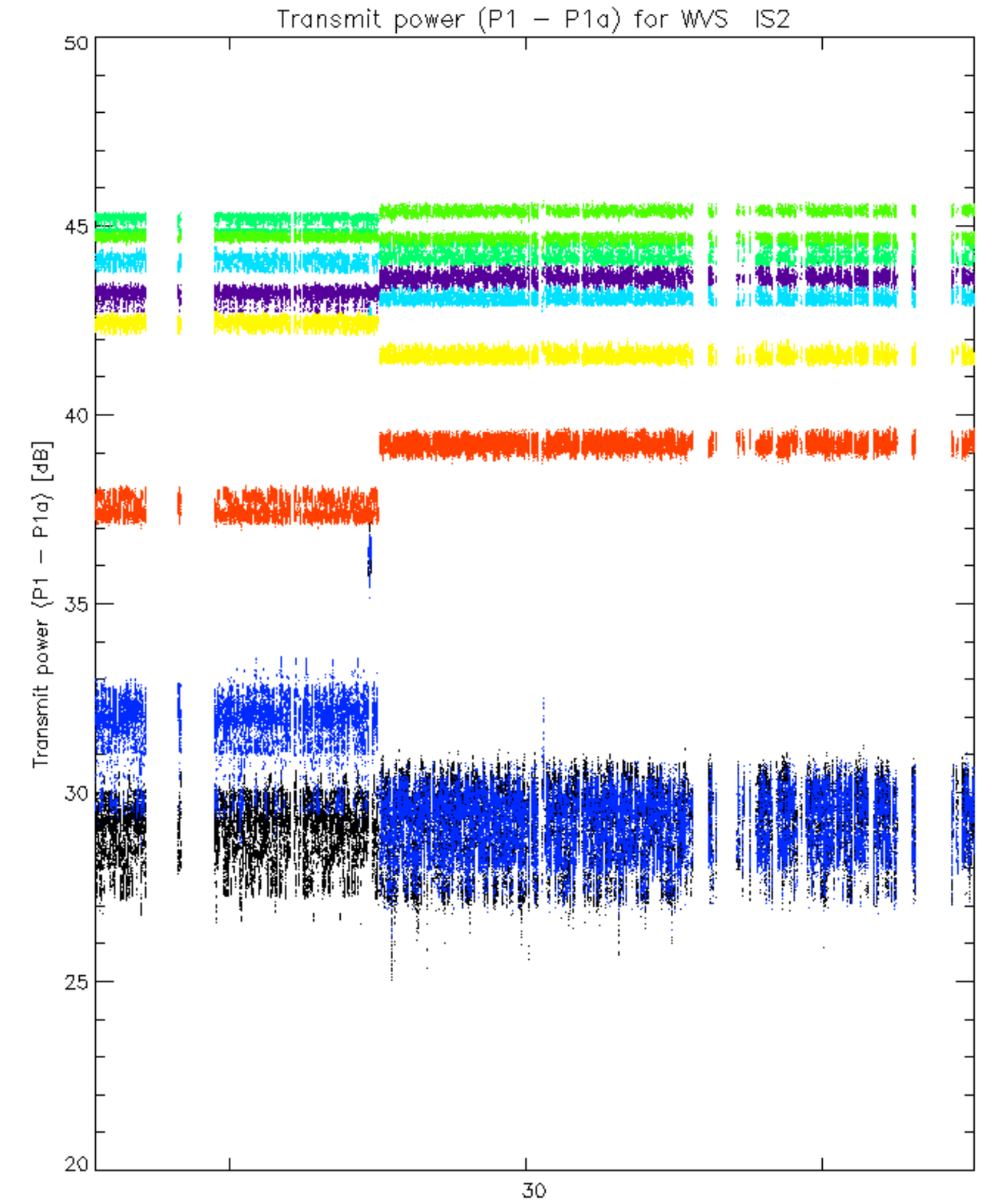
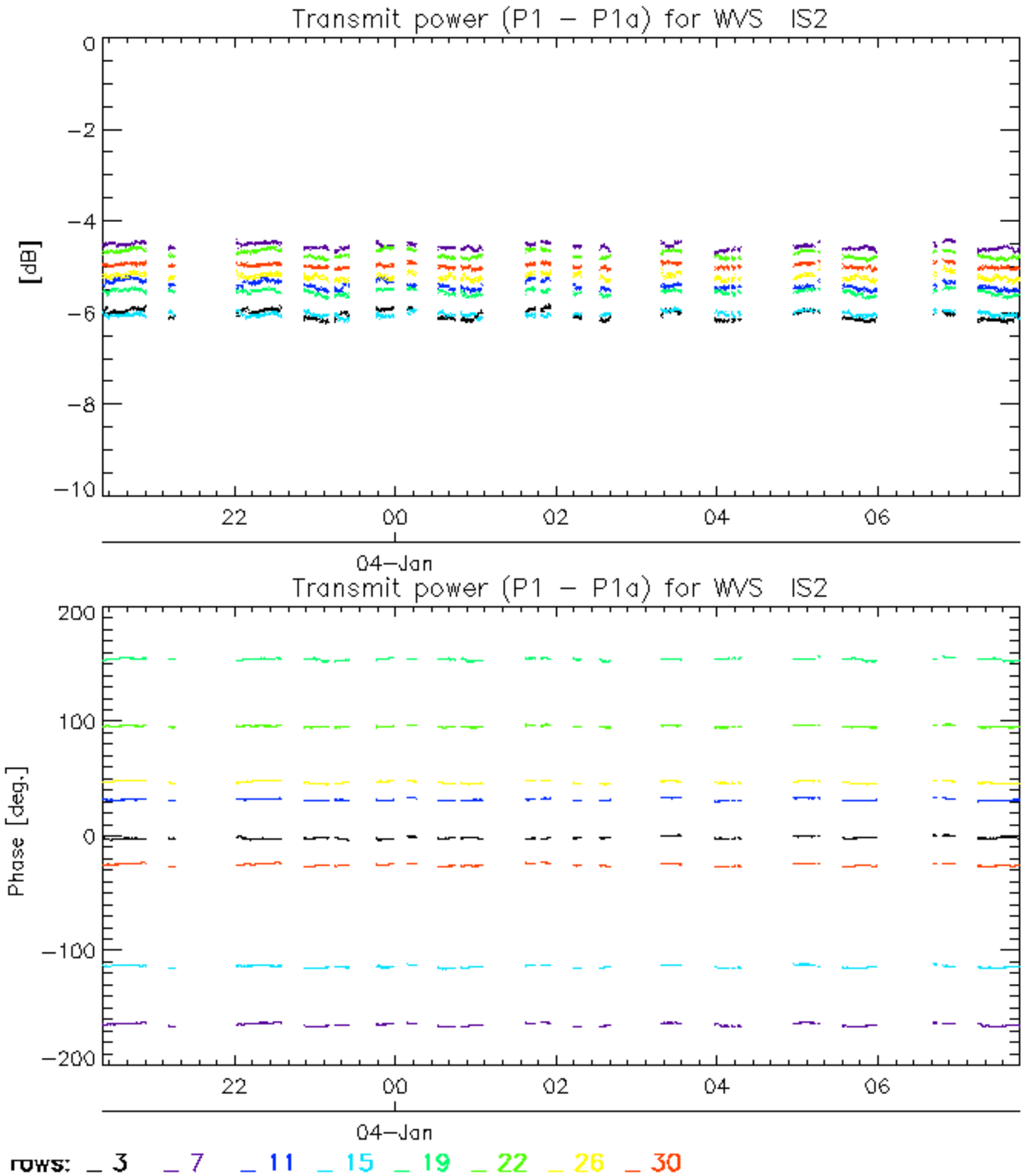

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
30
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
22
00
02
04
06
04–Jan
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06
04–Jan
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
30
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
22
00
02
04
06
04–Jan
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06
04–Jan
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.