PRELIMINARY REPORT OF 070106

last update on Sat Jan 6 16:20:32 GMT 2007

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 2007-01-05 00:00:00 to 2007-01-06 16:20:33

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

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	36	46	33	11	62
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	36	46	33	11	62
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	36	46	33	11	62
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	36	46	33	11	62

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:

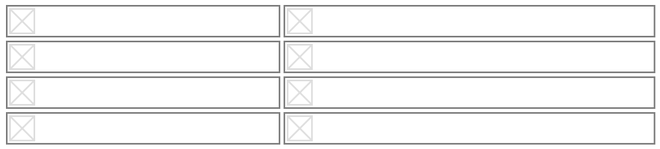
Polarisation	Start Time
V	20070105 033419
H	20070106 040926

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



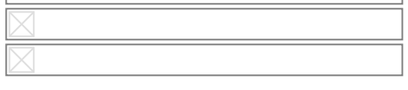
4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

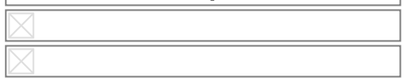
4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS



4.1.2 - Evolution for GM1

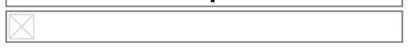
Evolution of cal pulses for GM1



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	-3.965674	0.008037	0.008047
7	P1	-3.139693	0.025002	0.074754
11	P1	-4.123385	0.025380	0.029671
15	P1	-6.337678	0.016304	0.020729
19	P1	-3.673713	0.005109	-0.032710
22	P1	-4.668735	0.014089	-0.028197
26	P1	-3.964447	0.009119	0.014721
30	P1	-5.909107	0.008751	-0.023484
3	P1	-16.547369	0.268365	-0.021808
7	P1	-17.287390	0.196932	0.166093
11	P1	-17.198402	0.492460	-0.105600
15	P1	-13.049878	0.136183	0.116743
19	P1	-15.025101	0.098845	-0.114303
22	P1	-15.838645	0.529383	0.181759
26	P1	-15.081589	0.187122	0.141175
30	P1	-17.531725	0.482037	0.146513

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.805588	0.094578	0.022240
7	P2	-21.709255	0.094156	0.098179
11	P2	-15.566008	0.102229	0.036023
15	P2	-7.113035	0.108518	0.065179
19	P2	-9.193416	0.104589	0.065765
22	P2	-18.234083	0.097980	0.057338
26	P2	-16.604523	0.110001	0.032532
30	P2	-19.454050	0.090034	0.040279

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.243282	0.008932	0.029896
7	P3	-8.243282	0.008932	0.029896
11	P3	-8.243282	0.008932	0.029896

15	P3	-8.243282	0.008932	0.029896
19	P3	-8.243282	0.008932	0.029896
22	P3	-8.243282	0.008932	0.029896
26	P3	-8.243323	0.008932	0.029836
30	P3	-8.243323	0.008932	0.029836

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	-3.928156	0.014746	0.024568
7	P1	-2.471700	0.015720	0.042471
11	P1	-2.854532	0.017120	0.053276
15	P1	-3.697533	0.032383	-0.011080
19	P1	-3.557124	0.019346	0.023100
22	P1	-5.027007	0.023999	0.047220
26	P1	-6.048368	0.028381	0.031708
30	P1	-5.358941	0.037071	0.043174
3	P1	-11.743898	0.085881	0.069657
7	P1	-10.071177	0.082410	0.069426
11	P1	-10.360002	0.111531	-0.004524
15	P1	-10.726486	0.126429	-0.037815
19	P1	-15.739486	0.125271	0.016789
22	P1	-21.622303	1.372626	0.059526
26	P1	-16.076166	0.335873	0.130547
30	P1	-17.888023	0.374065	0.025078

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.480614	0.109234	0.079563
7	P2	-22.236168	0.277537	0.091755
11	P2	-10.873476	0.112232	0.081669
15	P2	-4.997146	0.171853	0.085763
19	P2	-6.978033	0.262451	0.071211
22	P2	-8.261989	0.104243	0.065601
26	P2	-24.345121	0.172184	-0.035557
30	P2	-21.959377	0.114629	0.092018

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.096741	0.004237	0.018931
7	P3	-8.096543	0.004221	0.019297
11	P3	-8.096637	0.004237	0.018957
15	P3	-8.096436	0.004225	0.018838
19	P3	-8.096518	0.004250	0.018820
22	P3	-8.096494	0.004233	0.019376
26	P3	-8.096687	0.004225	0.018465
30	P3	-8.096606	0.004195	0.018919

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	0.000560164
	stdev	1.67171e-07
MEAN Q	mean	0.000493085
	stdev	2.13162e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.140341
	stdev	0.00125636
STDEV Q	mean	0.140744
	stdev	0.00127758

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007010[456]
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_WSM_1PNPDE20070104_002424_000001292054_00231_25335_1792.N1	0	61
ASA_WSM_1PNPDE20070104_002424_000003062054_00231_25335_1618.N1	0	61
ASA_WSM_1PNPDE20070104_002424_000003062054_00231_25335_2038.N1	0	61
ASA_WSM_1PNPDE20070104_030430_000002382054_00233_25337_1981.N1	0	15
ASA_WSM_1PNPDE20070104_180904_000000862054_00242_25346_2917.N1	0	35
ASA_WSM_1PNPDE20070104_235452_000002382054_00245_25349_3463.N1	0	36
ASA_WSM_1PNPDE20070106_010151_000003232054_00260_25364_4939.N1	0	36

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

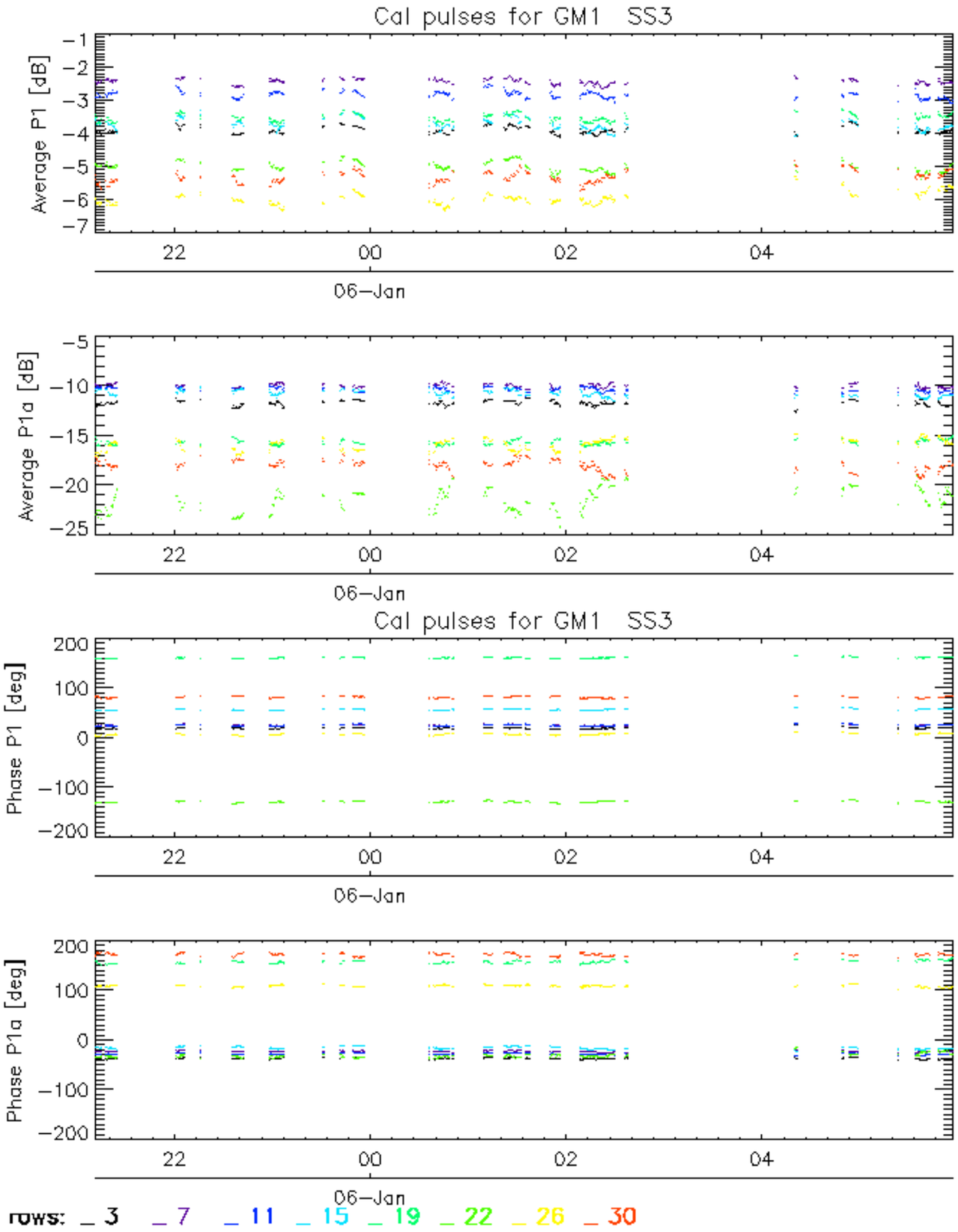
Descending

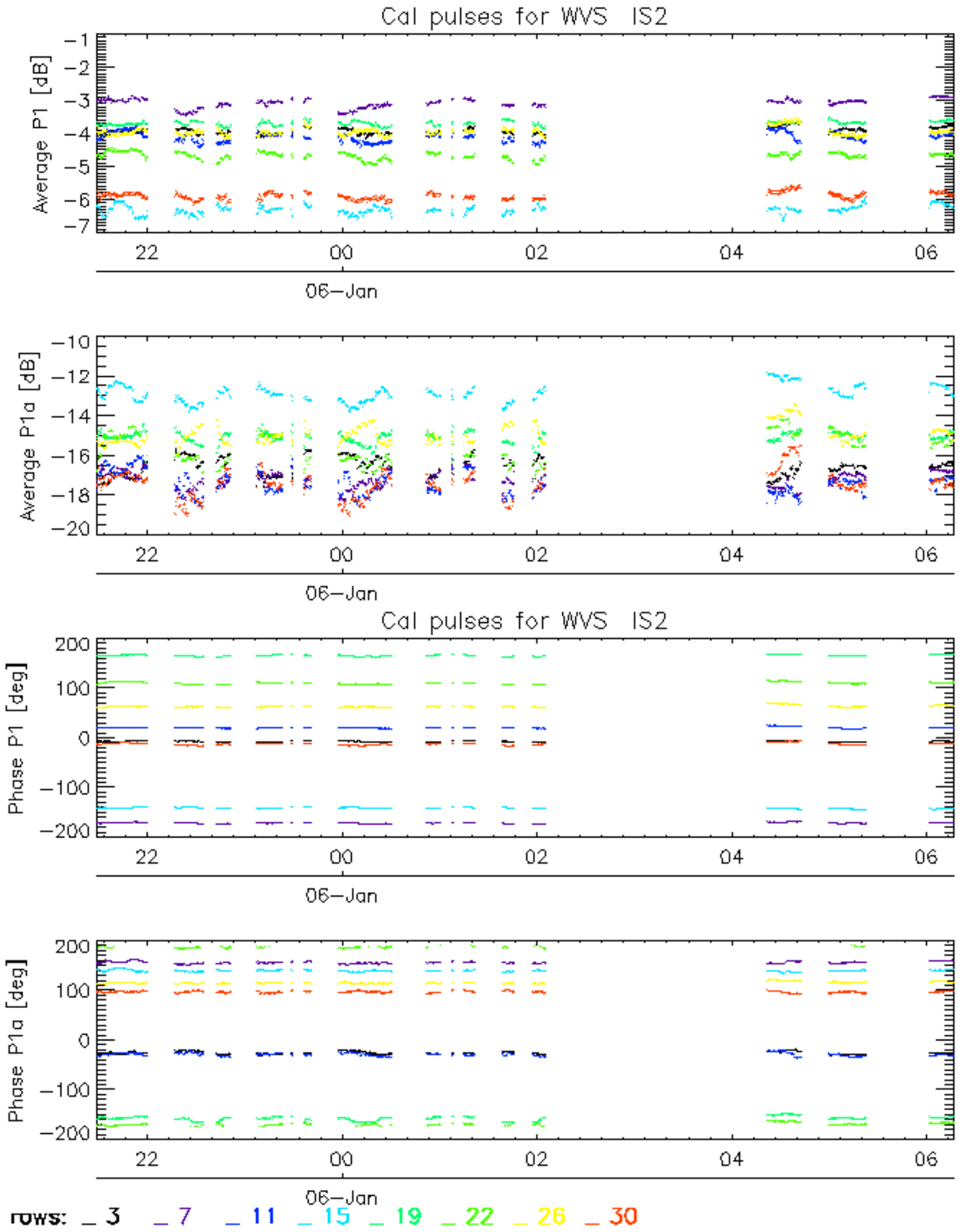
7.5 - Absolute Doppler for GM1

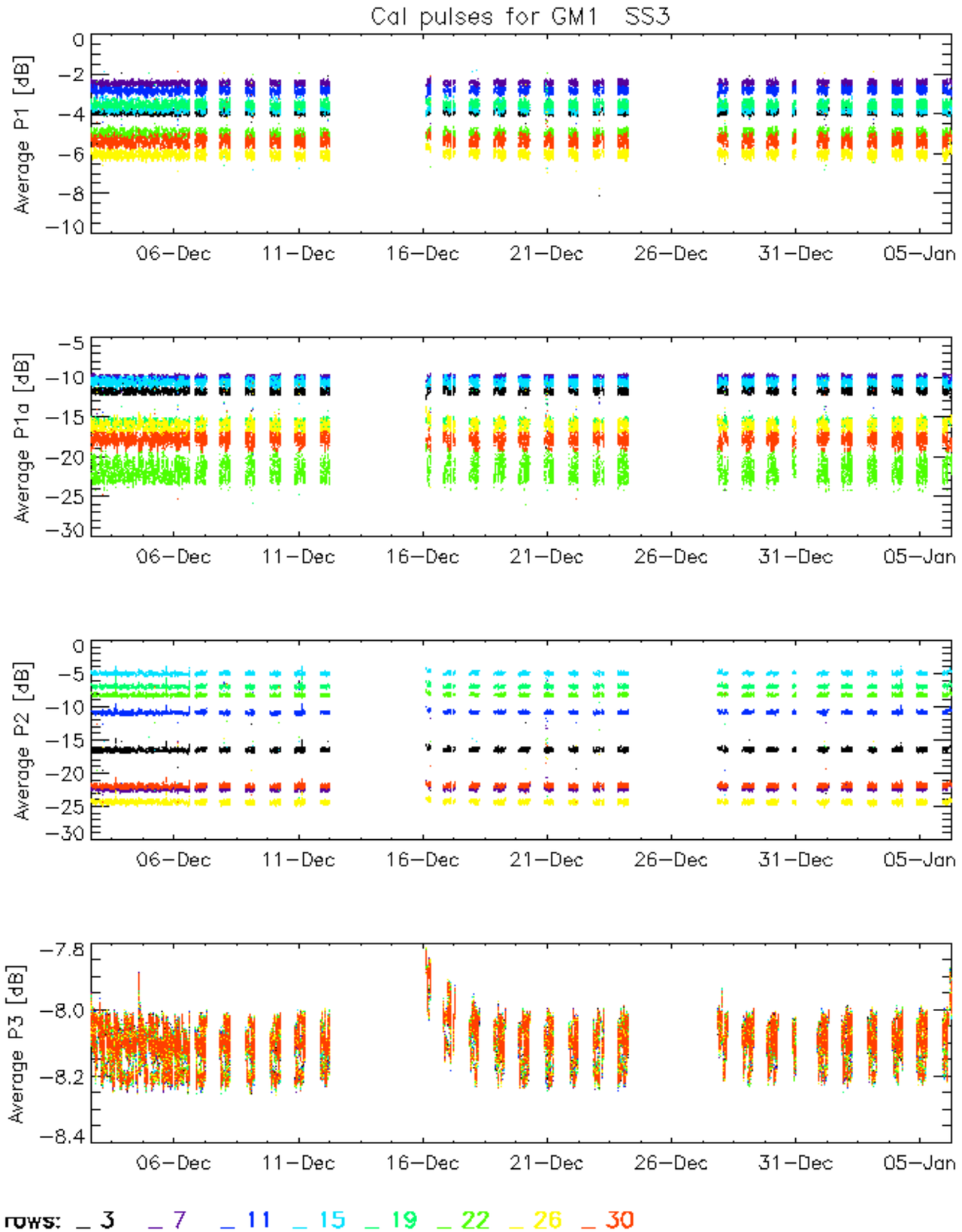
Evolution of Absolute Doppler
Acsending
Descending

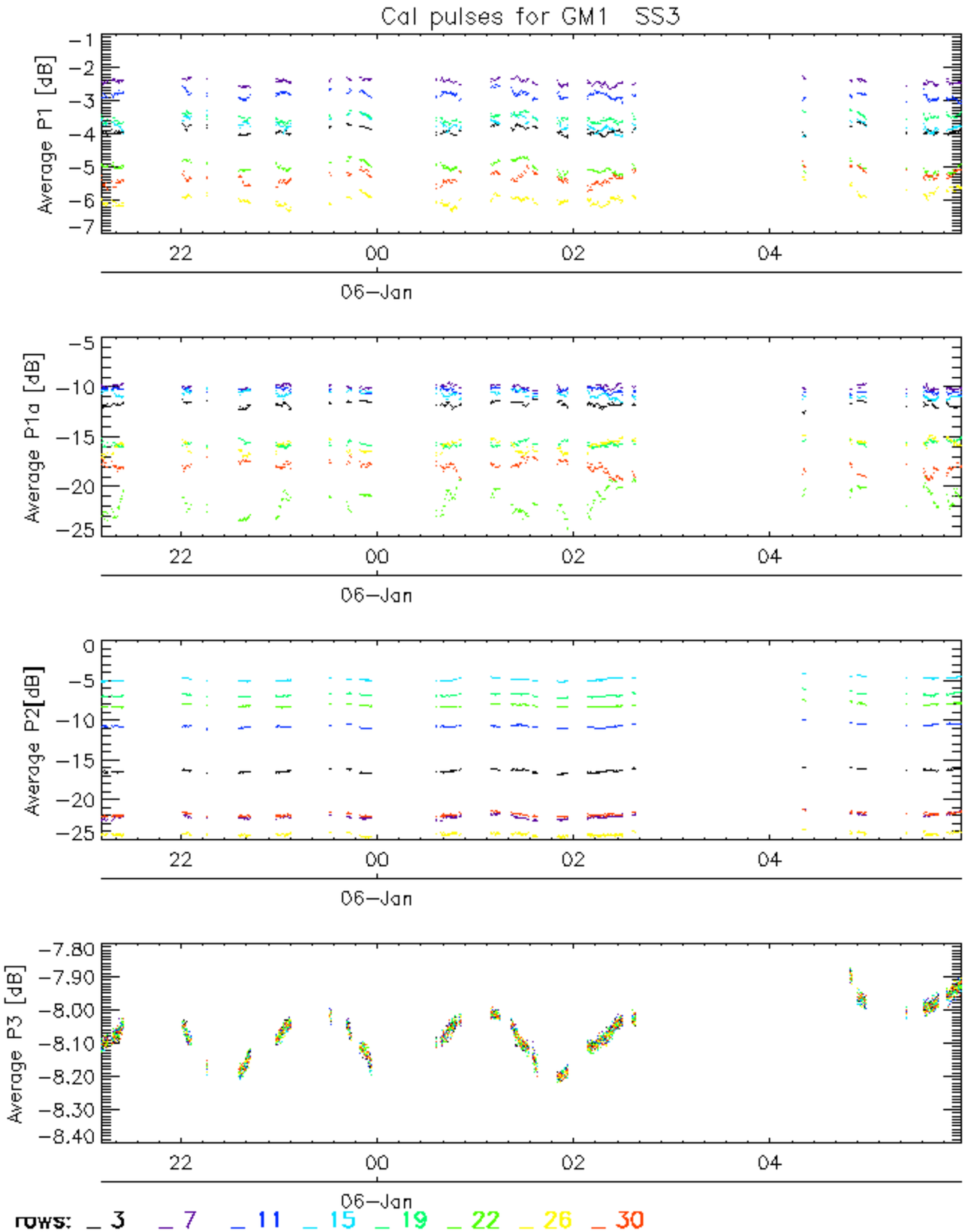
7.6 - Doppler evolution versus ANX for GM1

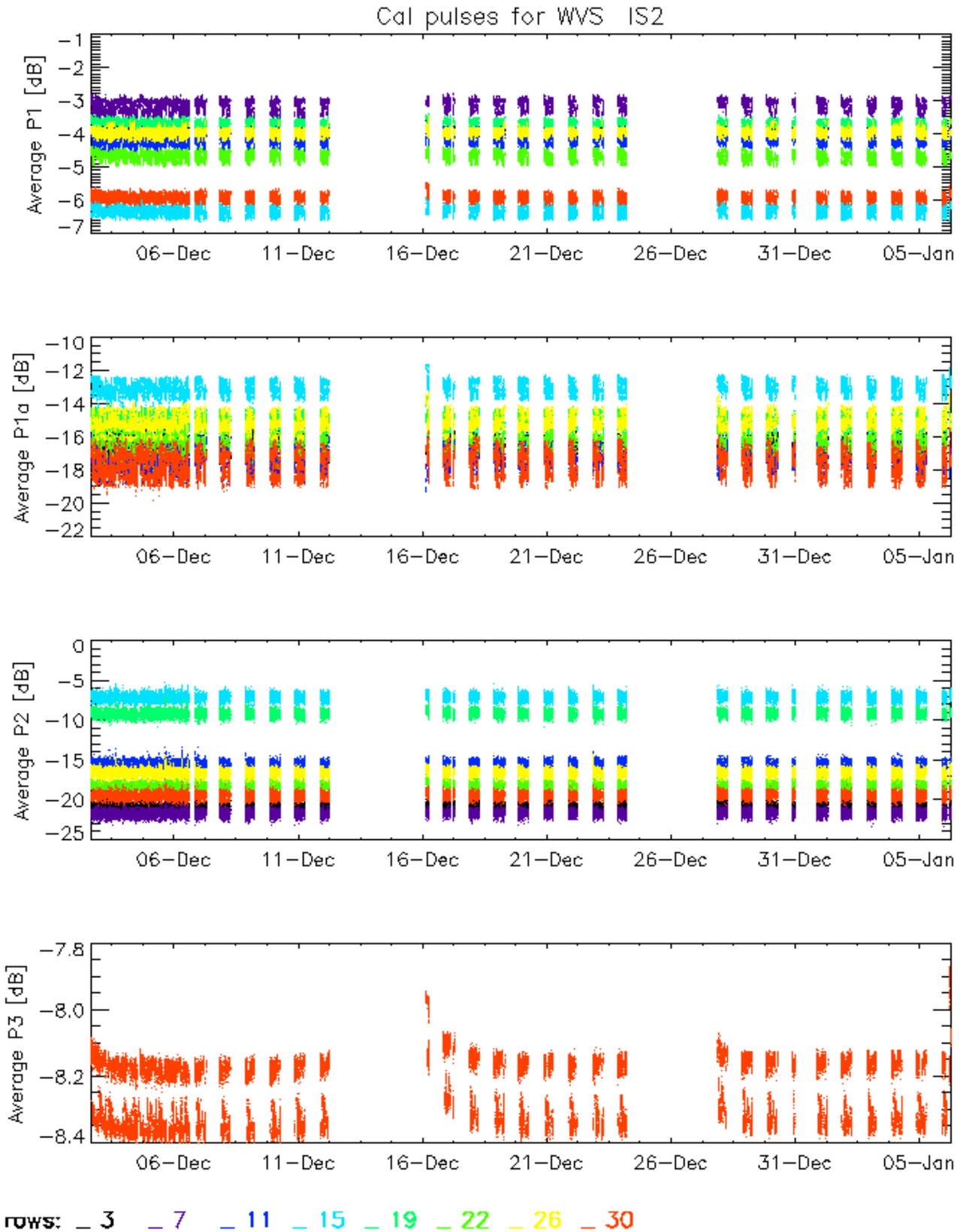
Evolution Doppler error versus ANX

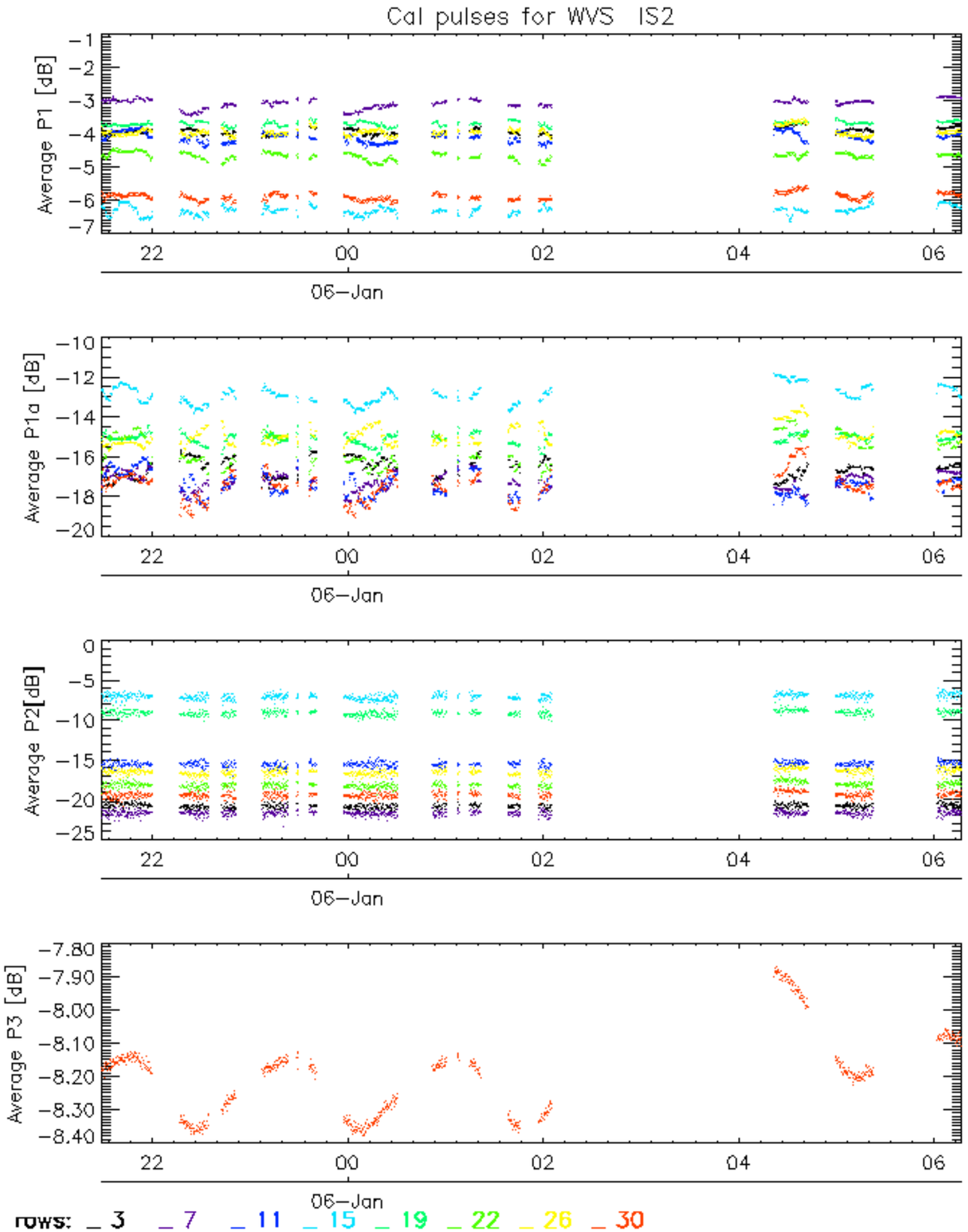

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06−Jan
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06−Jan
rows: 3 7 11 15 19 22 26 30


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

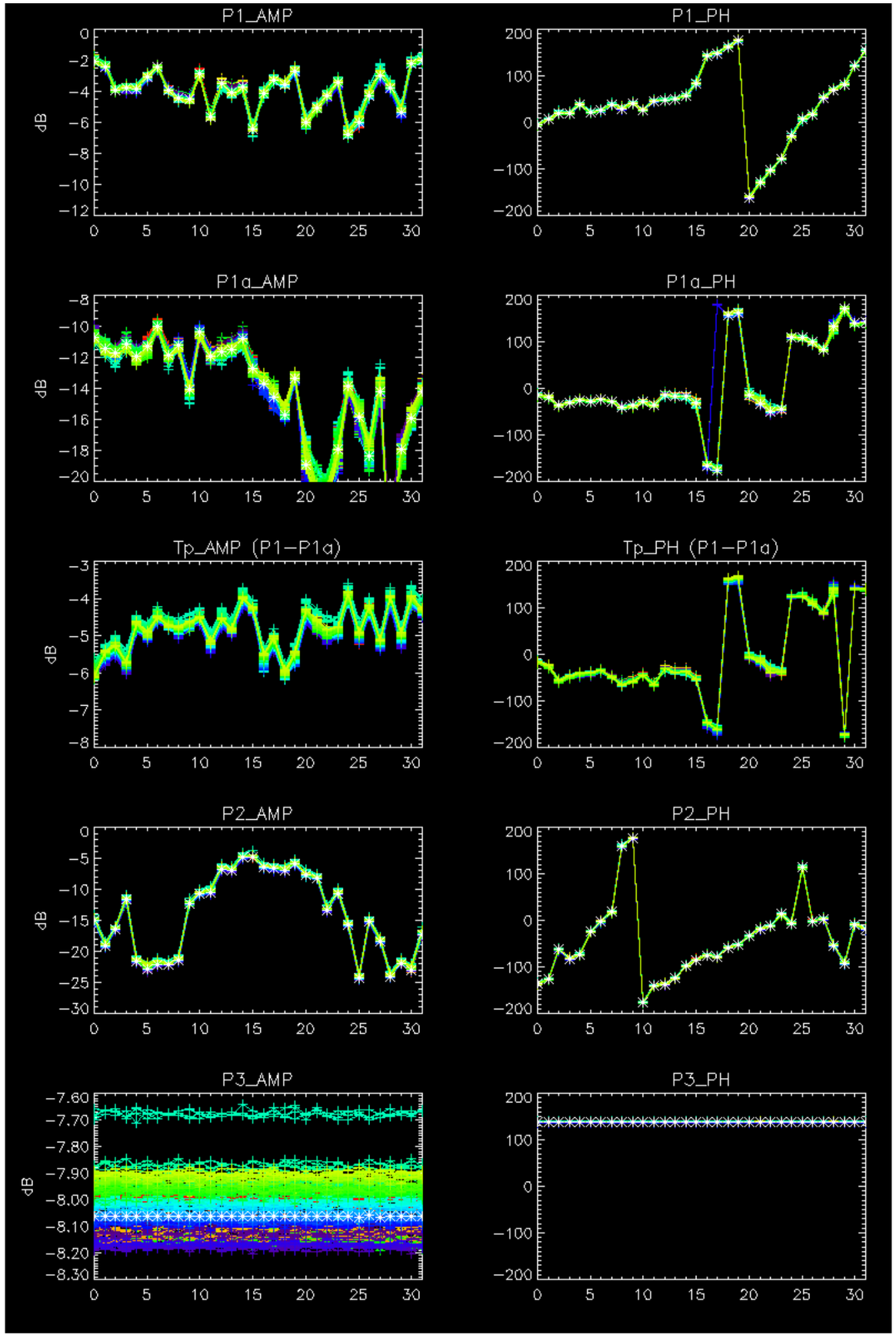

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

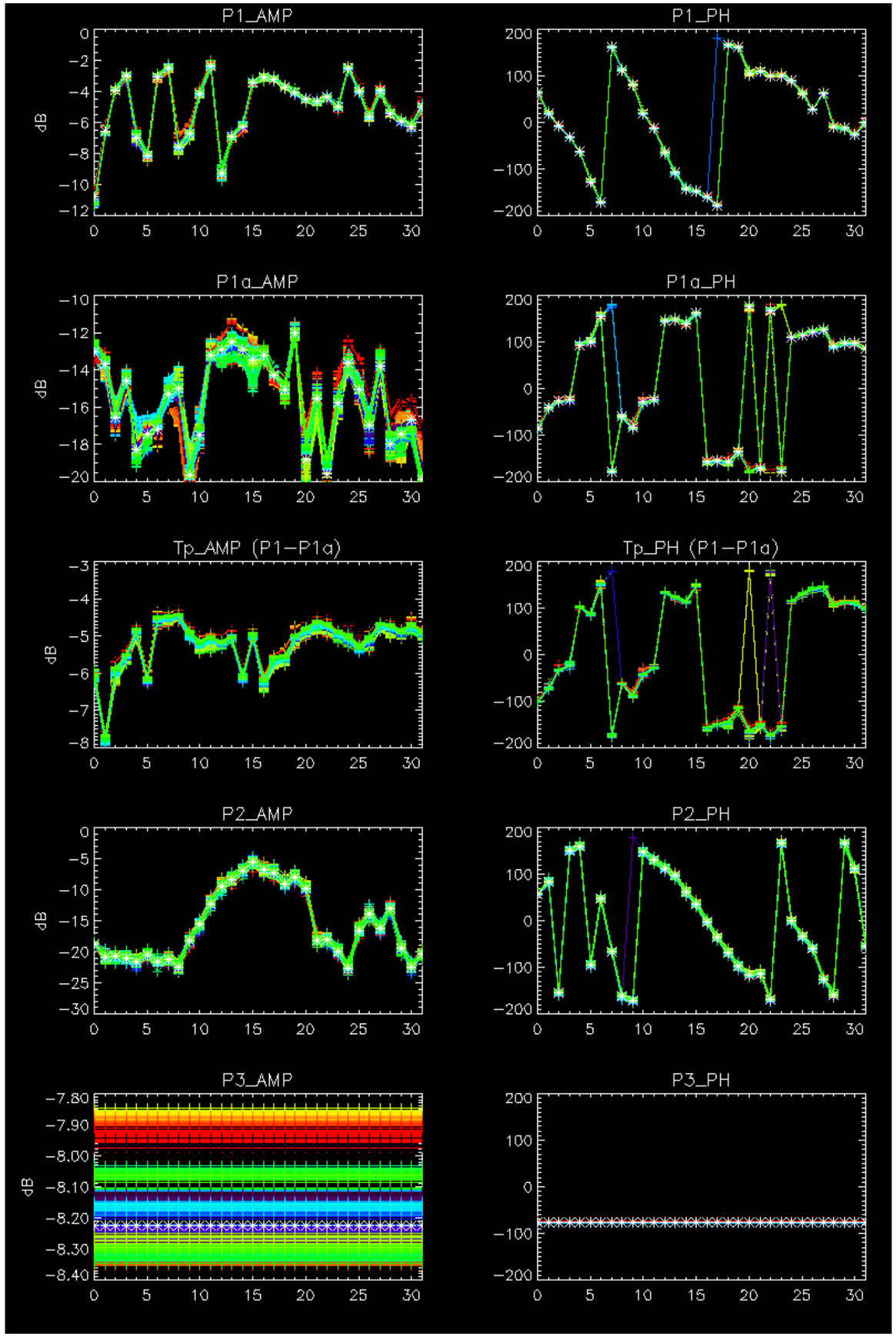

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


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


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

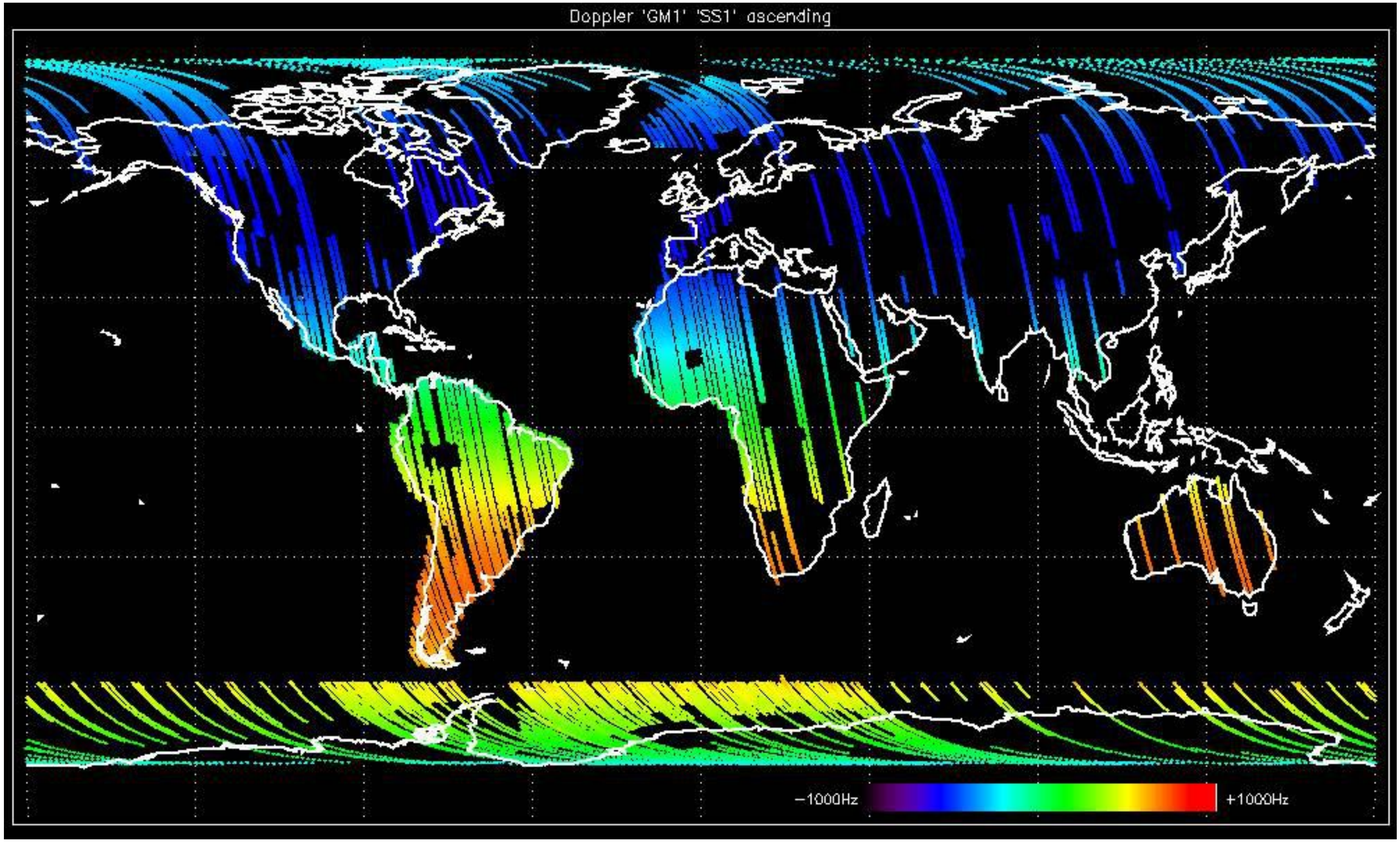
No anomalies observed.

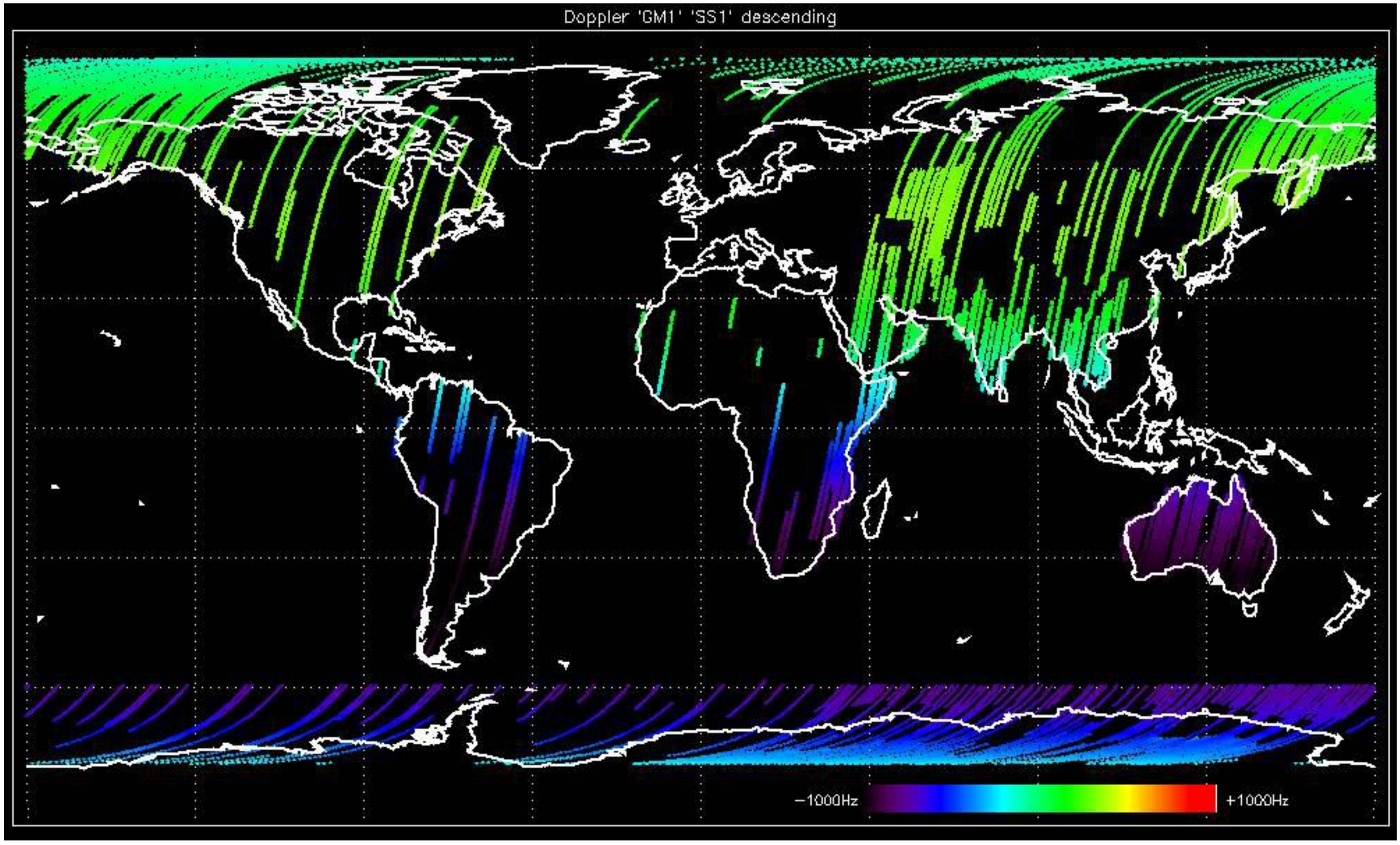

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

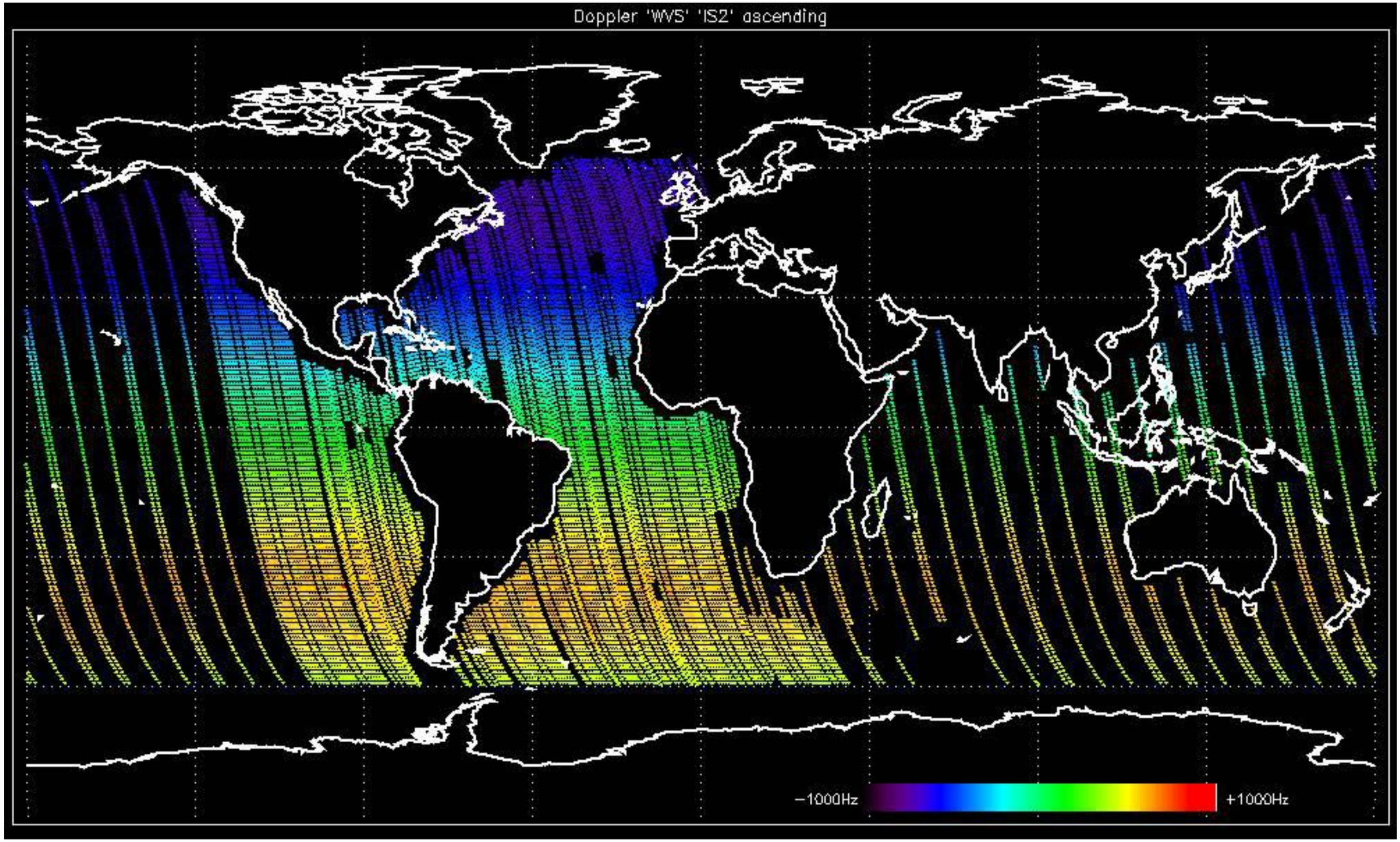

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

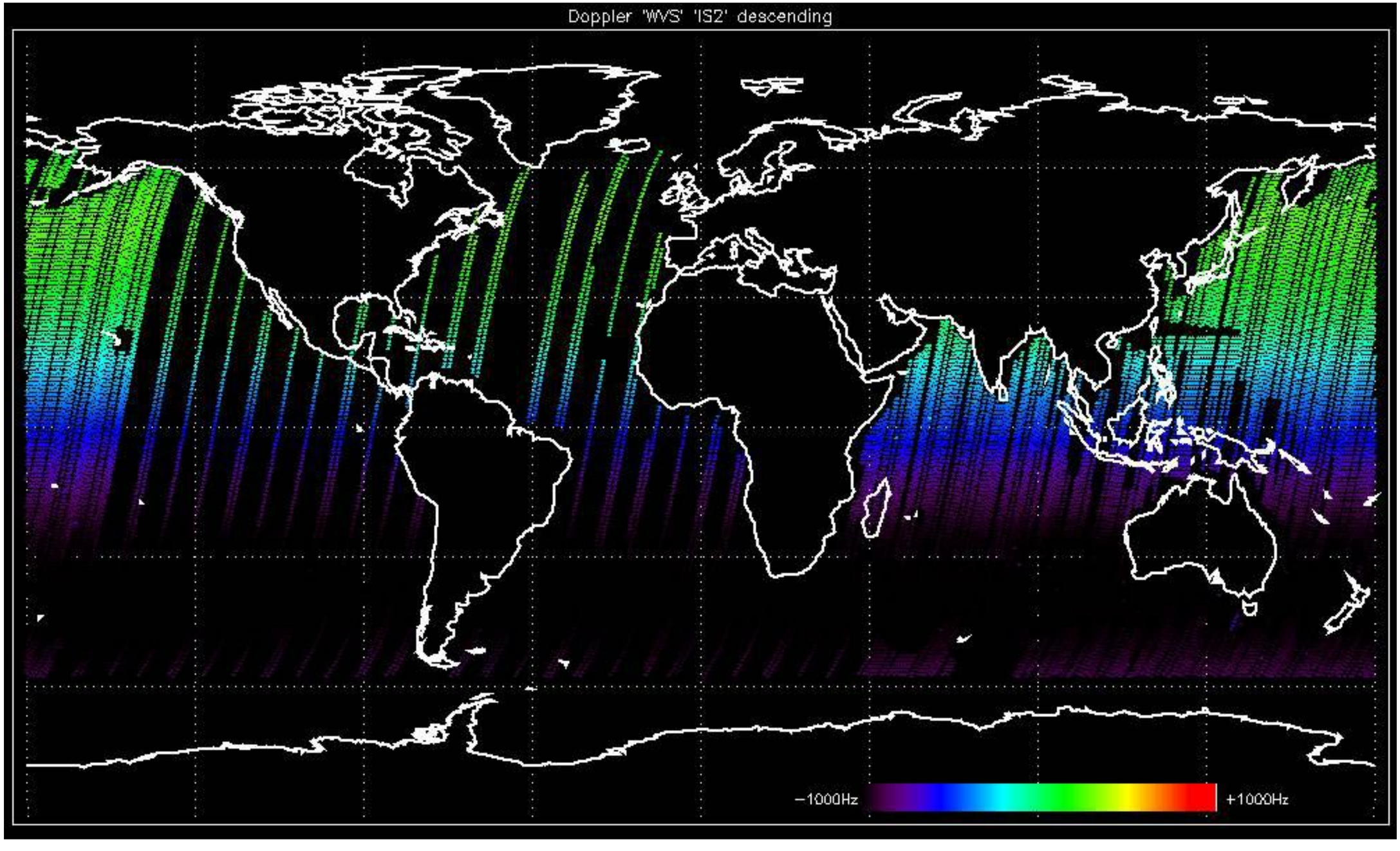
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

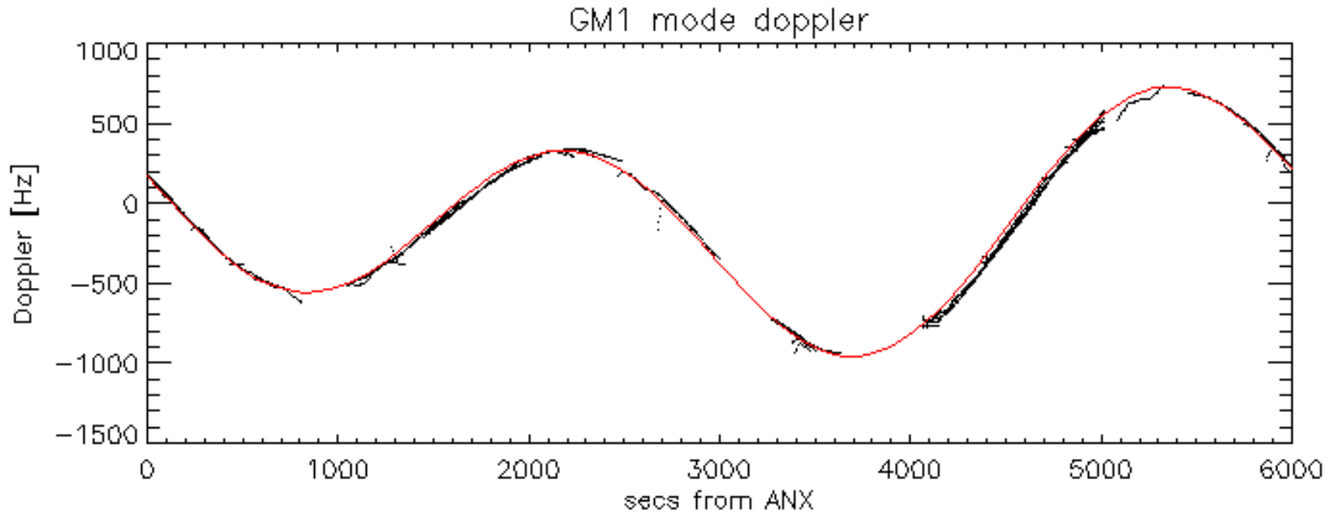
Preliminary report.The data is not yet controled

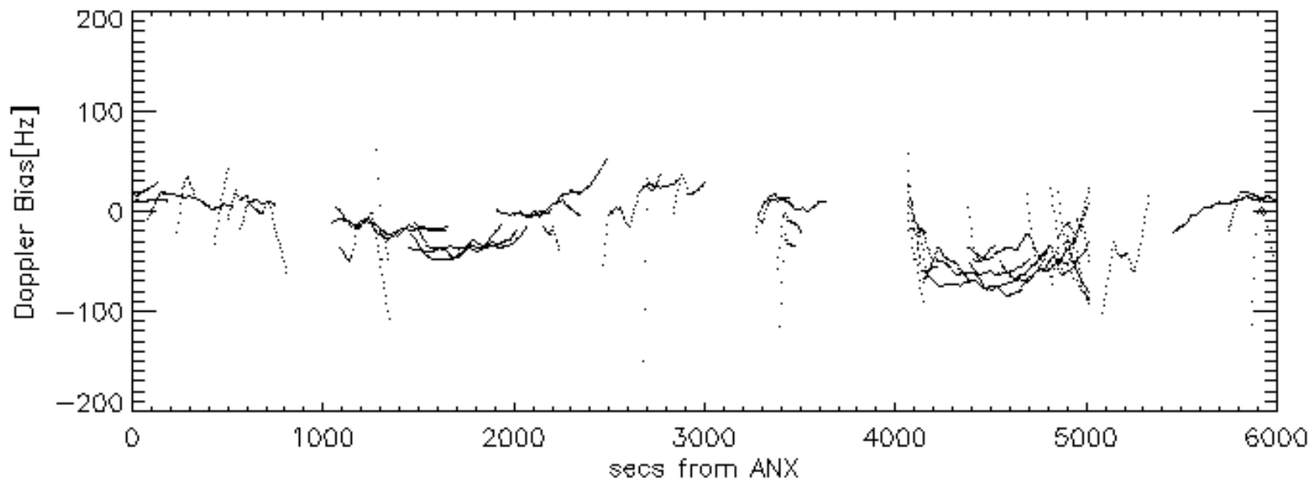

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

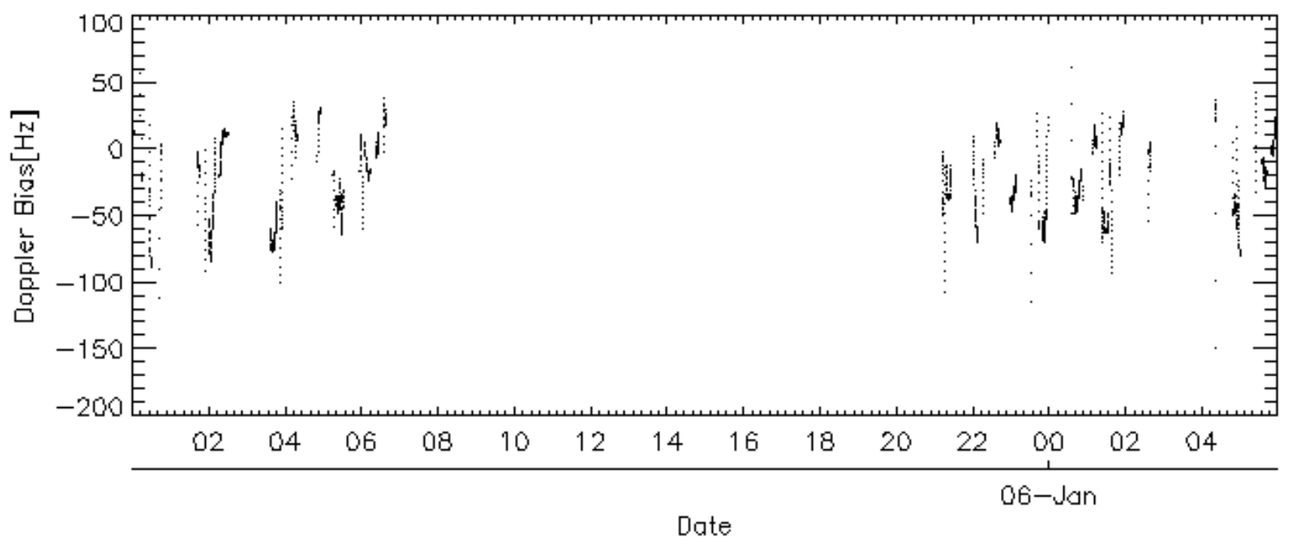

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

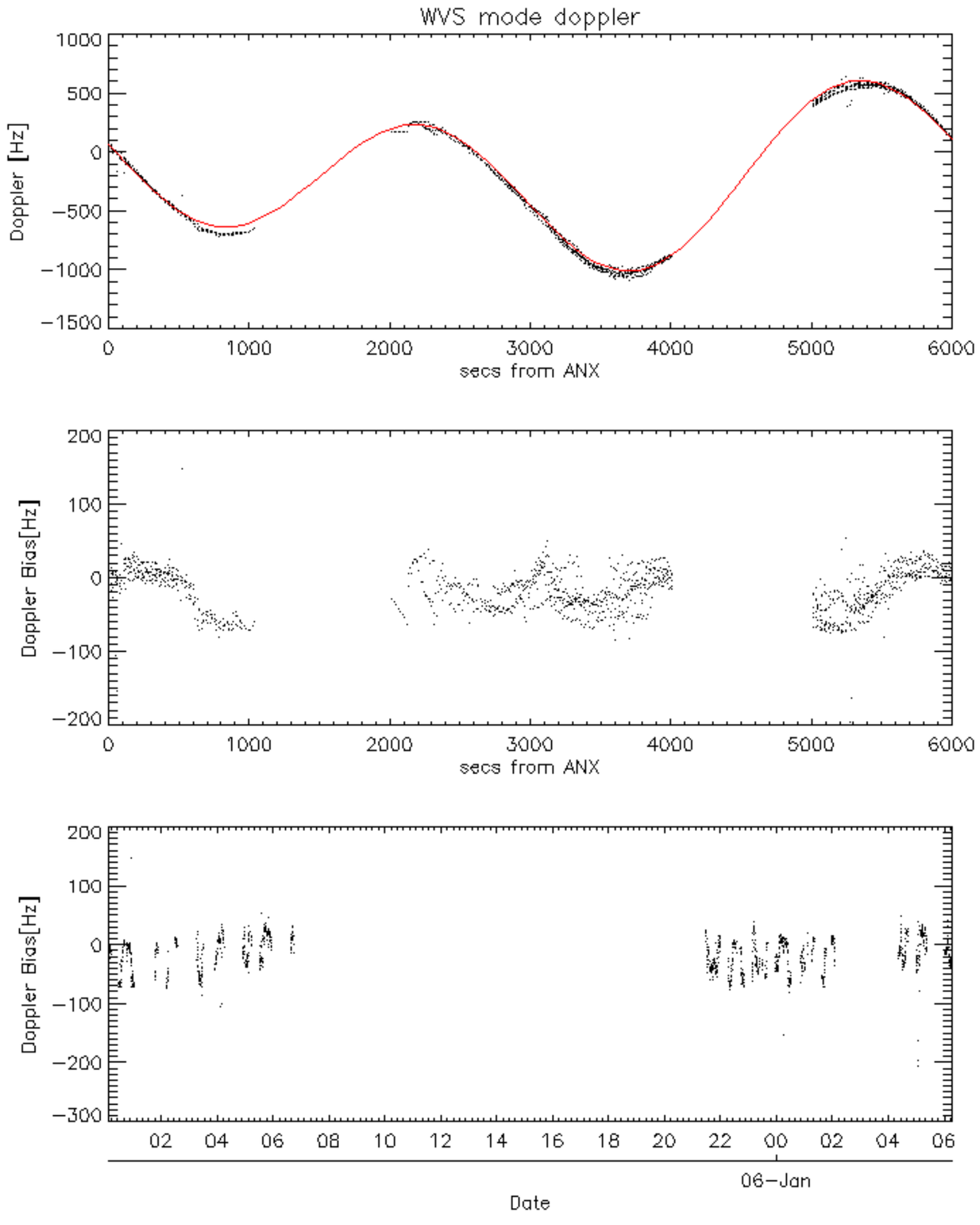

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

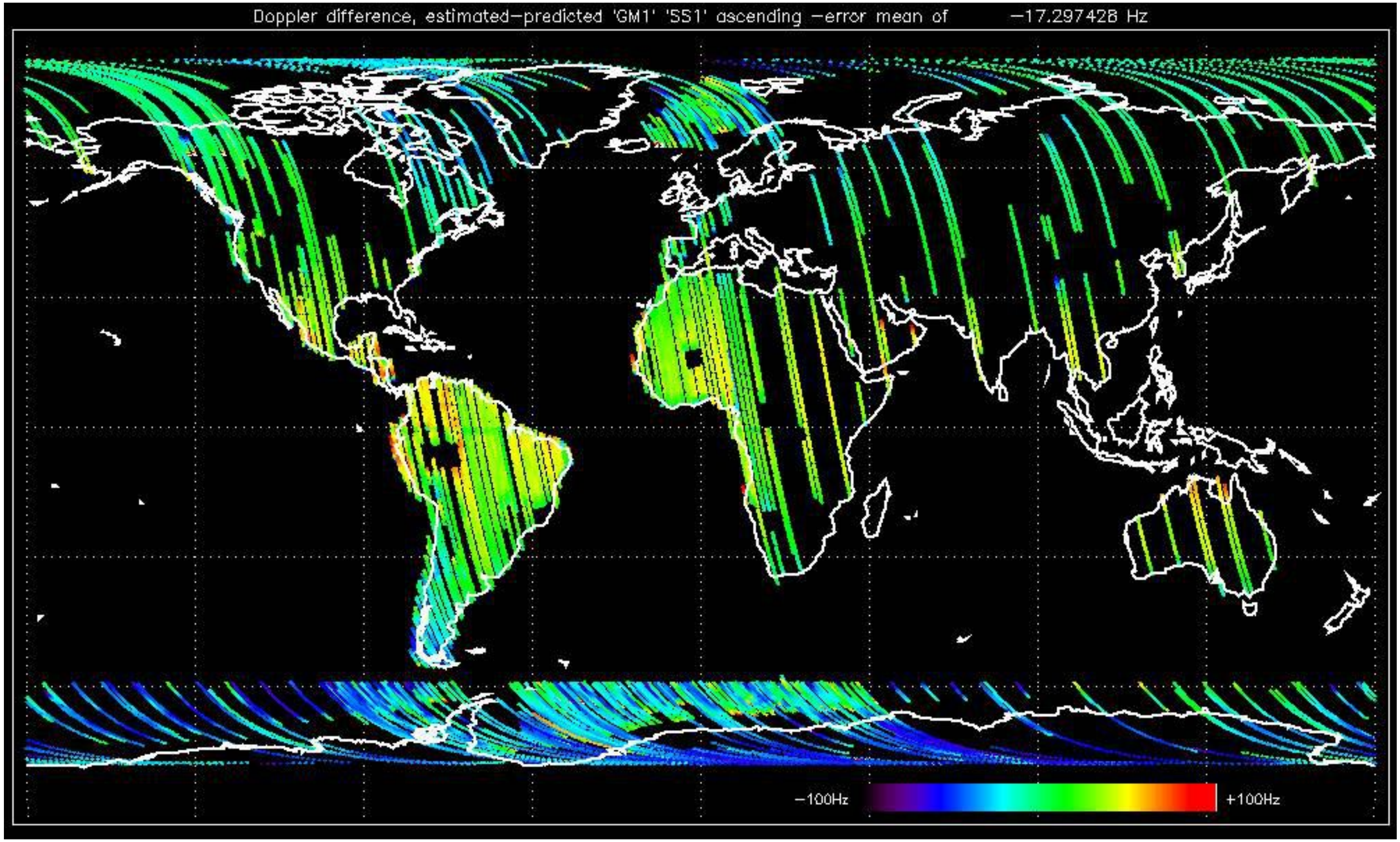

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

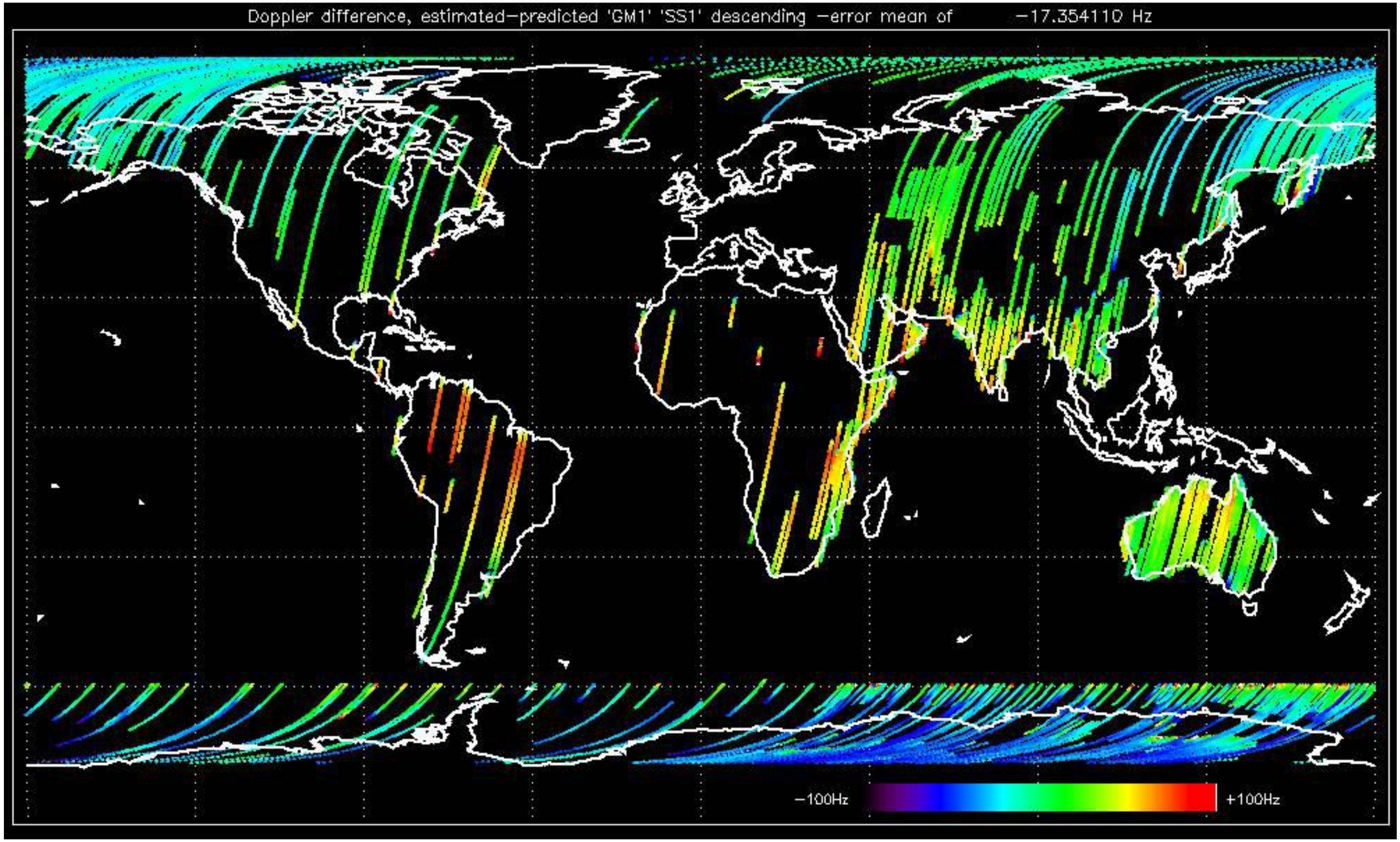

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

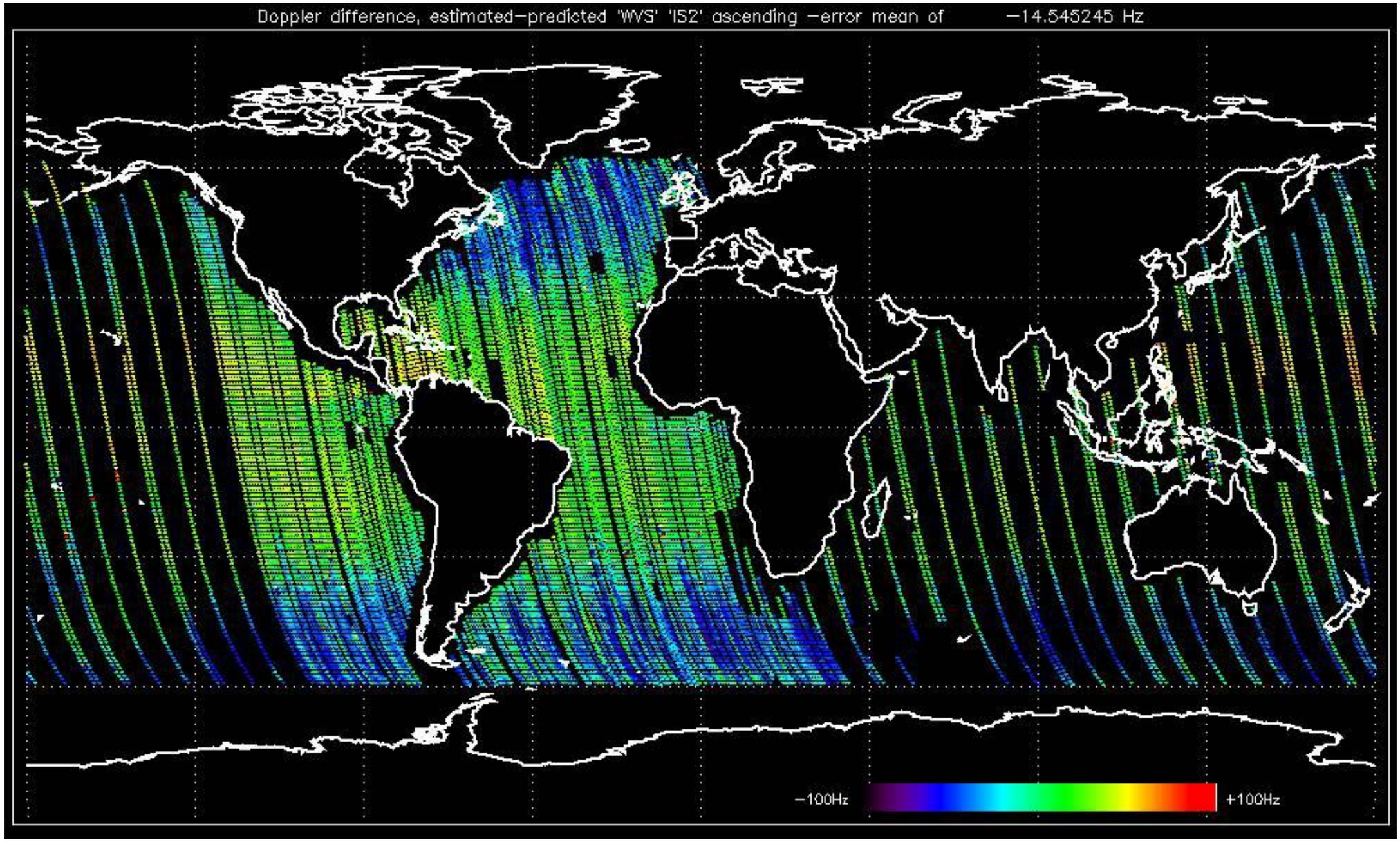

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

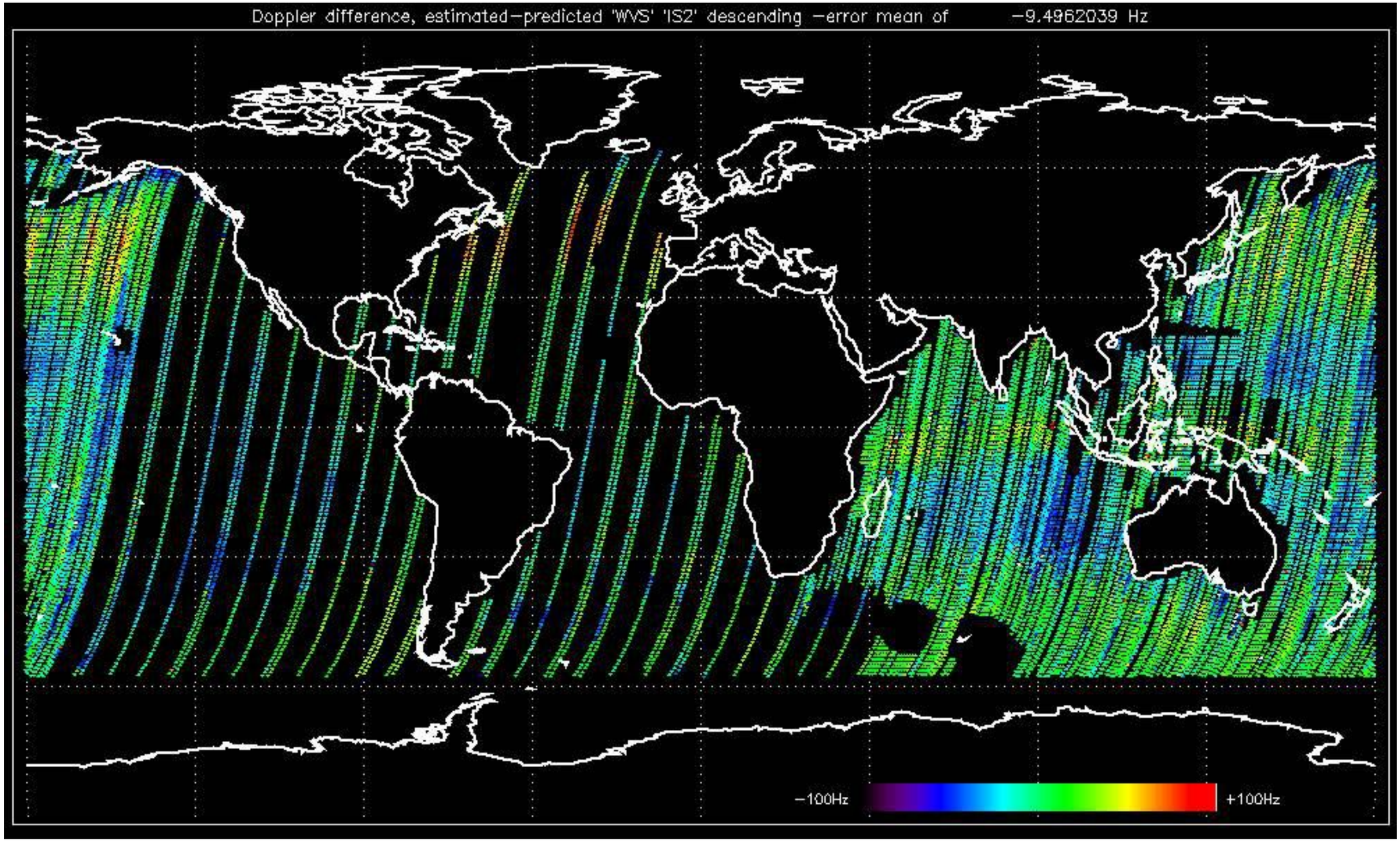

Doppler Bias[Hz]
100
50
0
−50
−100
−150
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06−Jan
Date


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.297428 Hz
−100Hz
+100Hz

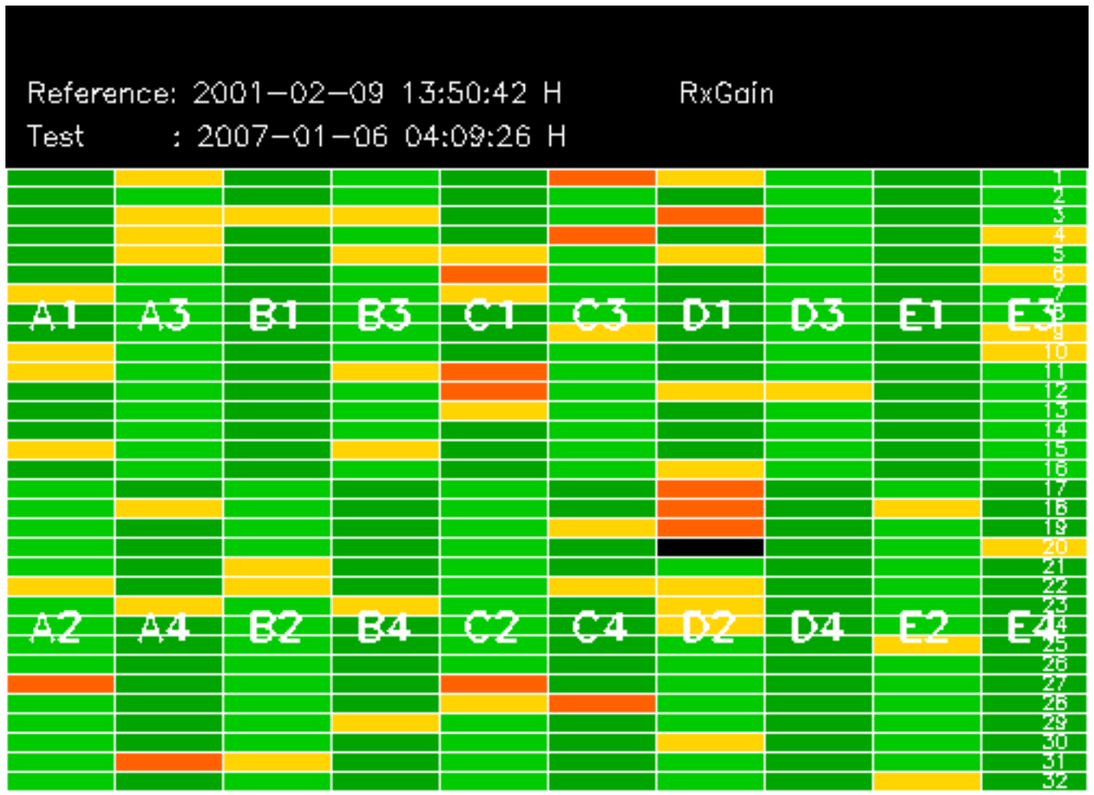

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.354110 Hz
-100Hz
+100Hz

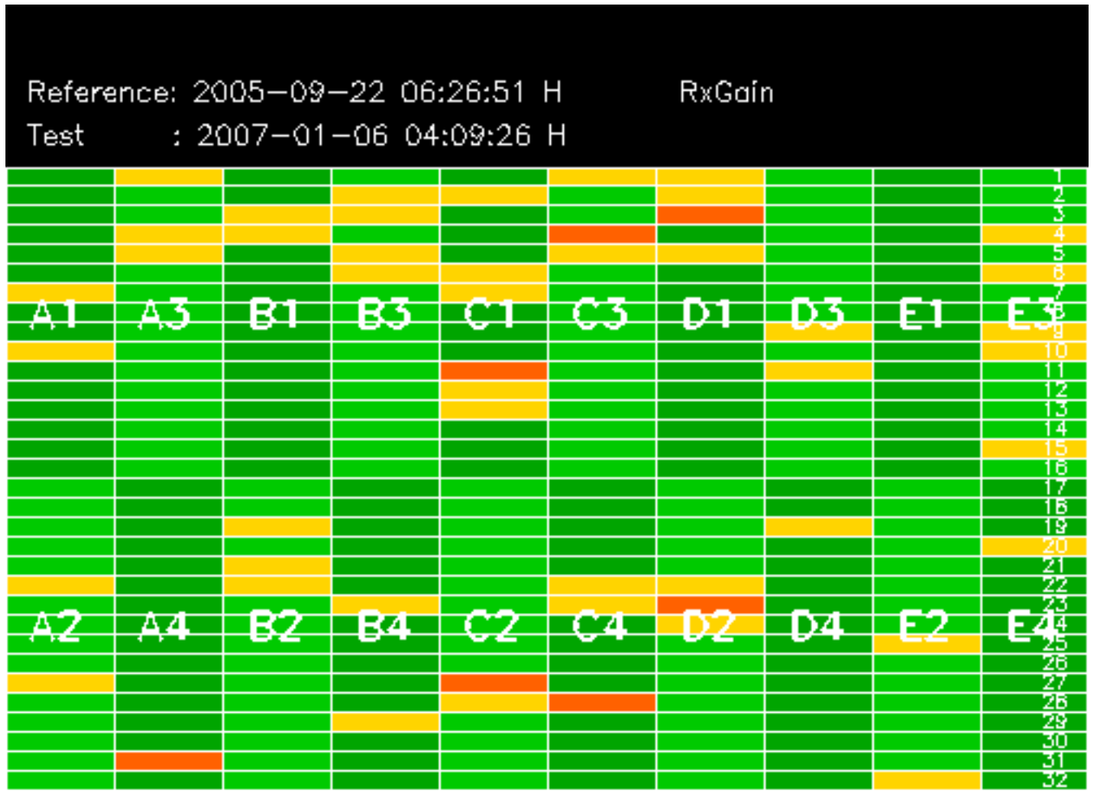

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −14.545245 Hz
−100Hz
+100Hz

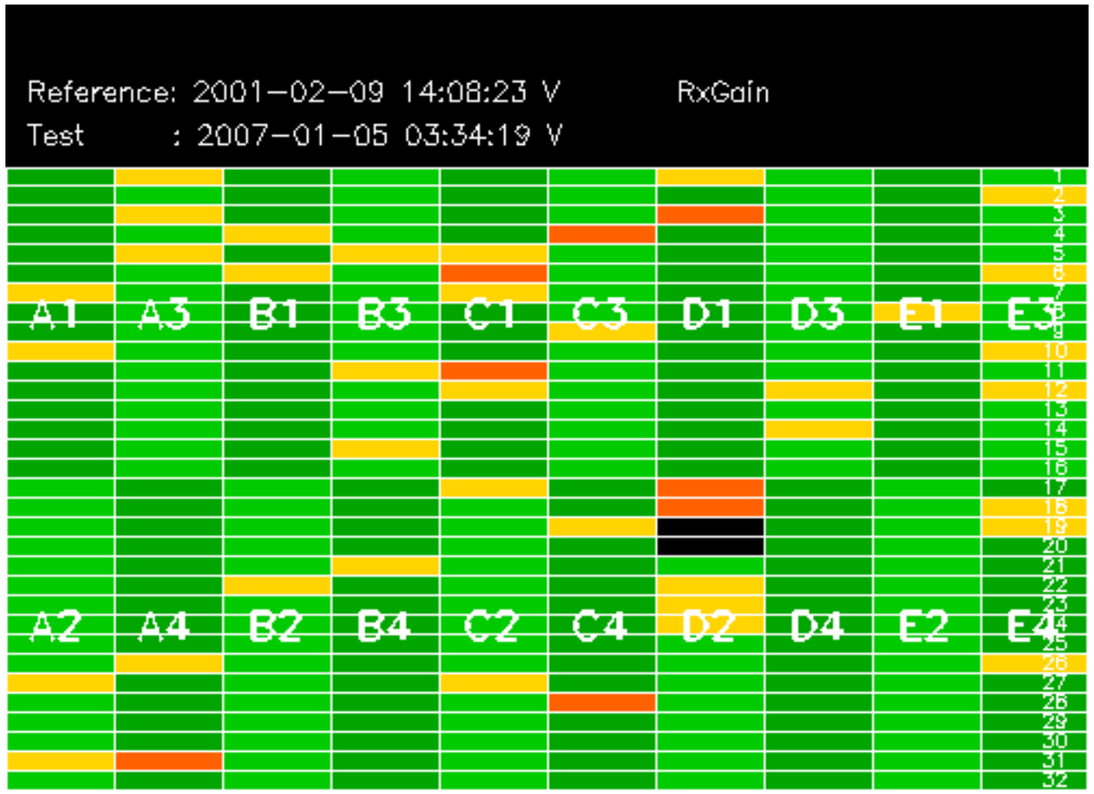

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.4962039 Hz
−100Hz
+100Hz

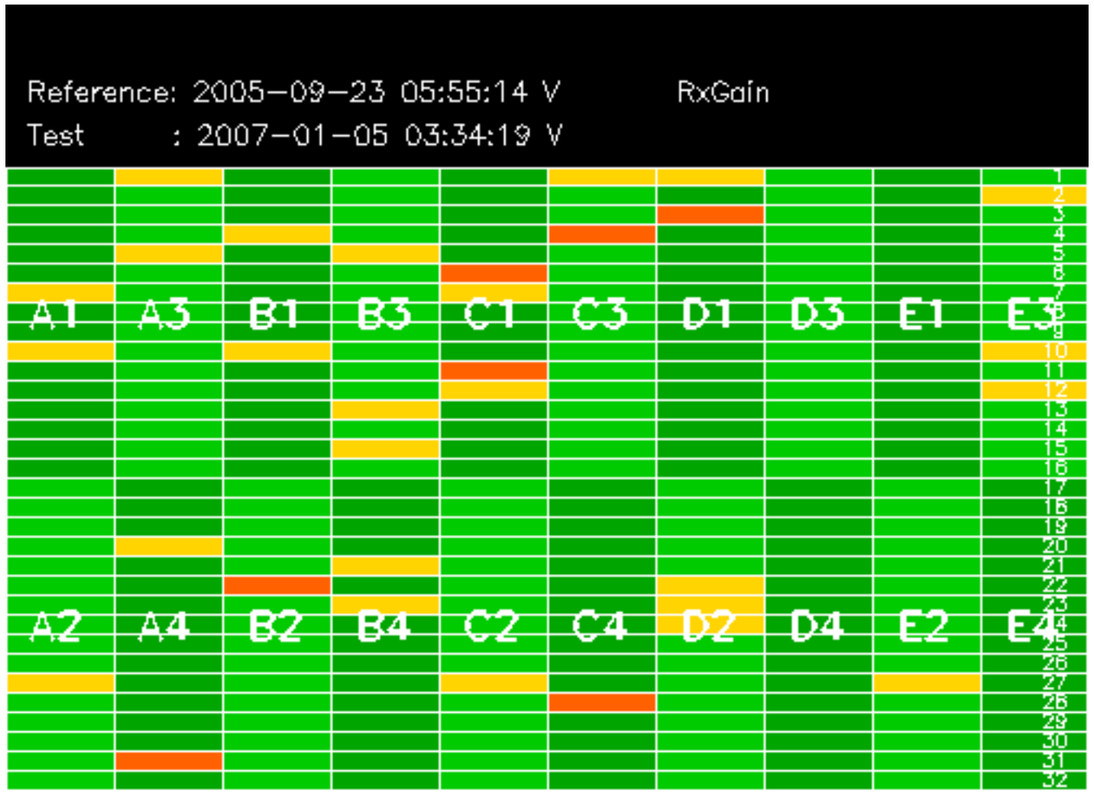
No anomalies observed on available MS products:

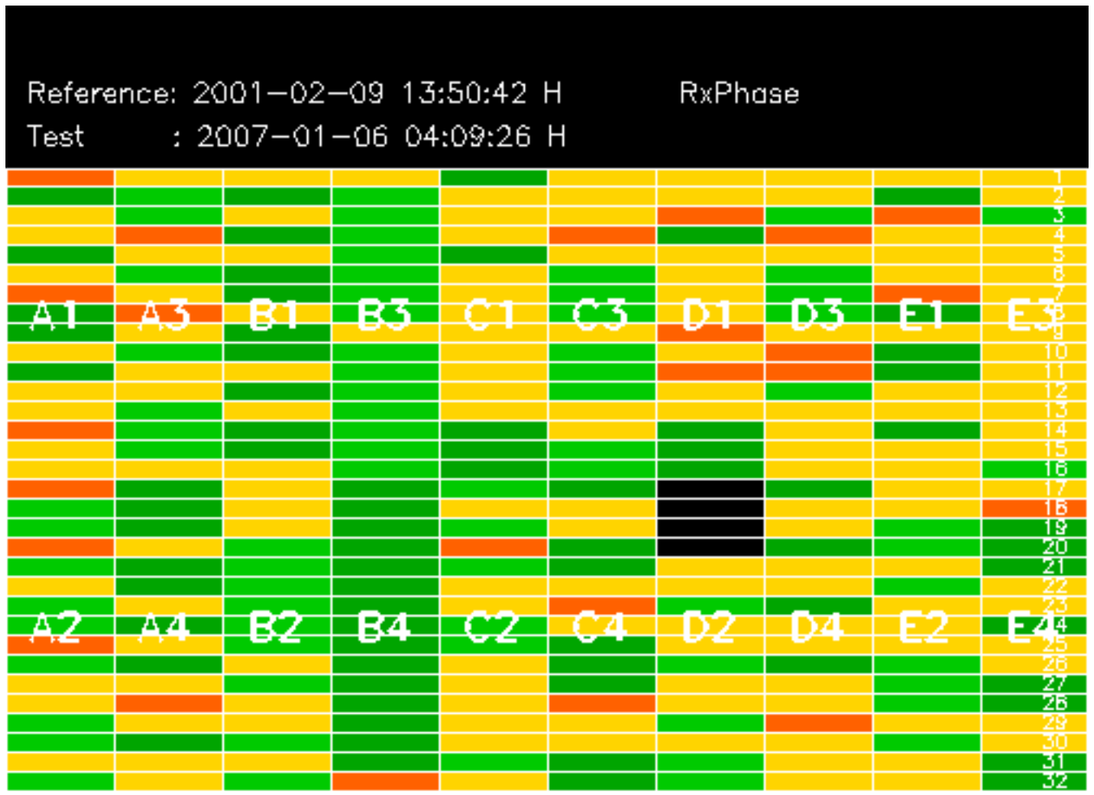
No anomalies observed.

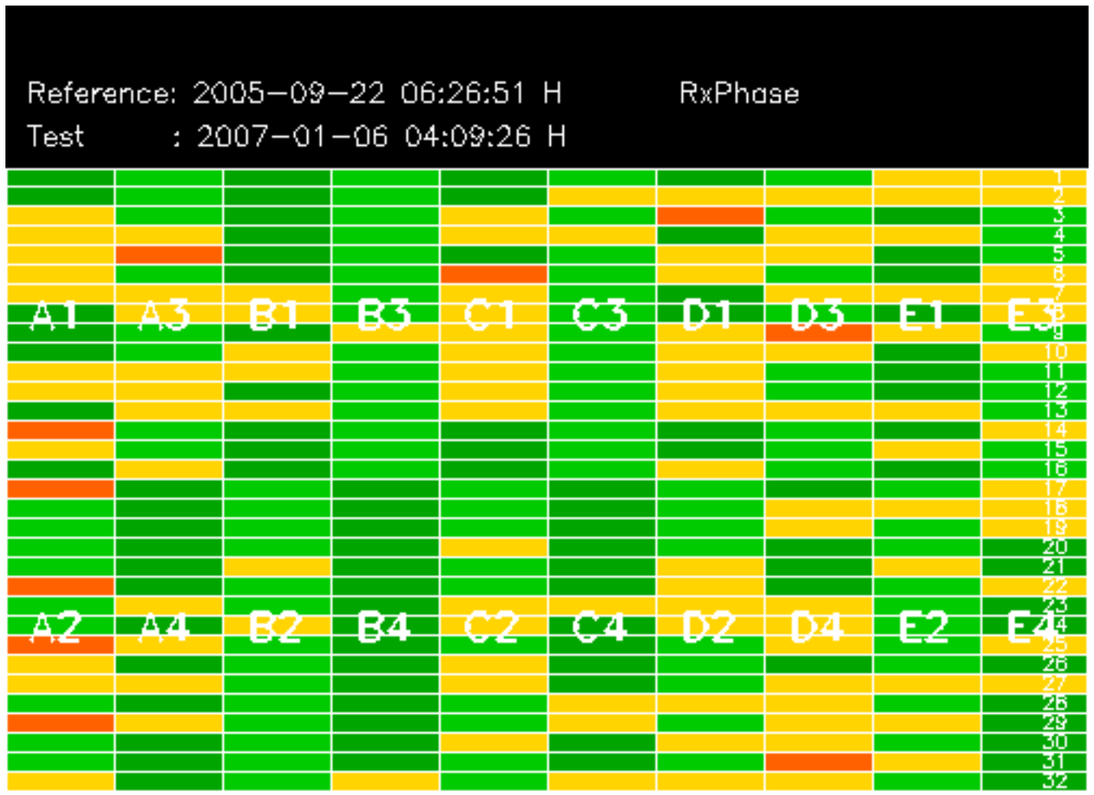

Reference: 2001-02-09 13:50:42 H
Test : 2007-01-06 04:09:26 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

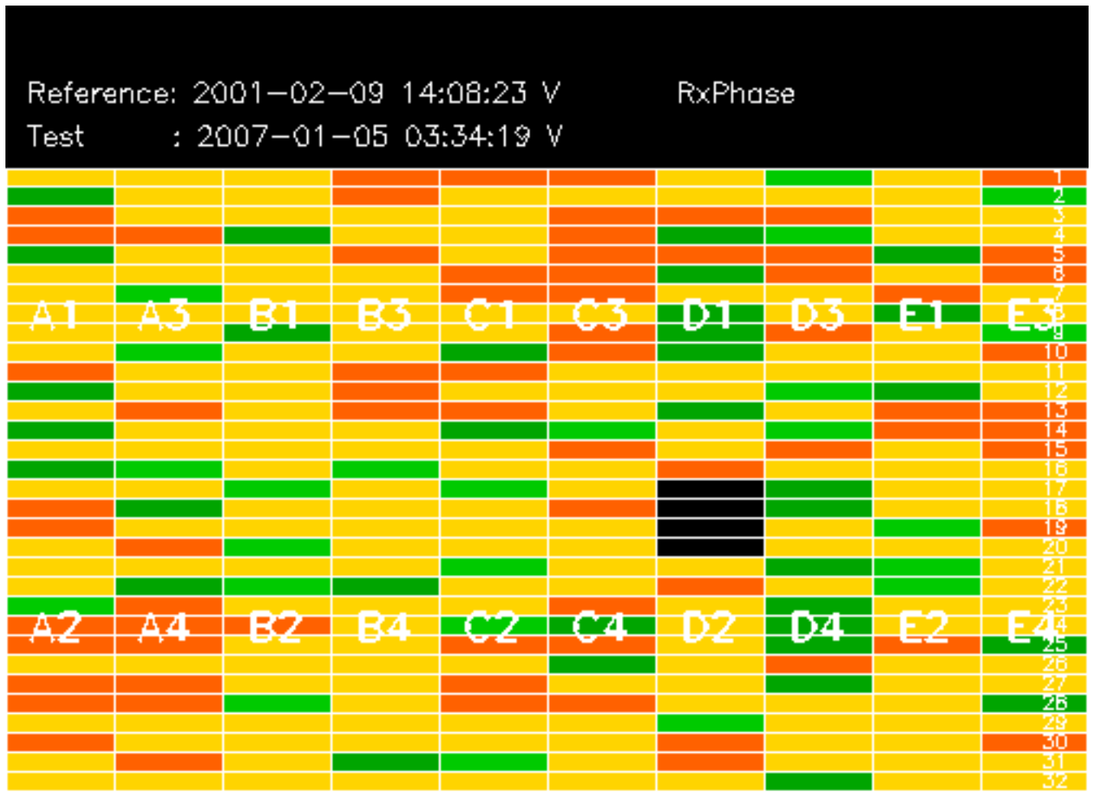

Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-01-06 04:09:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

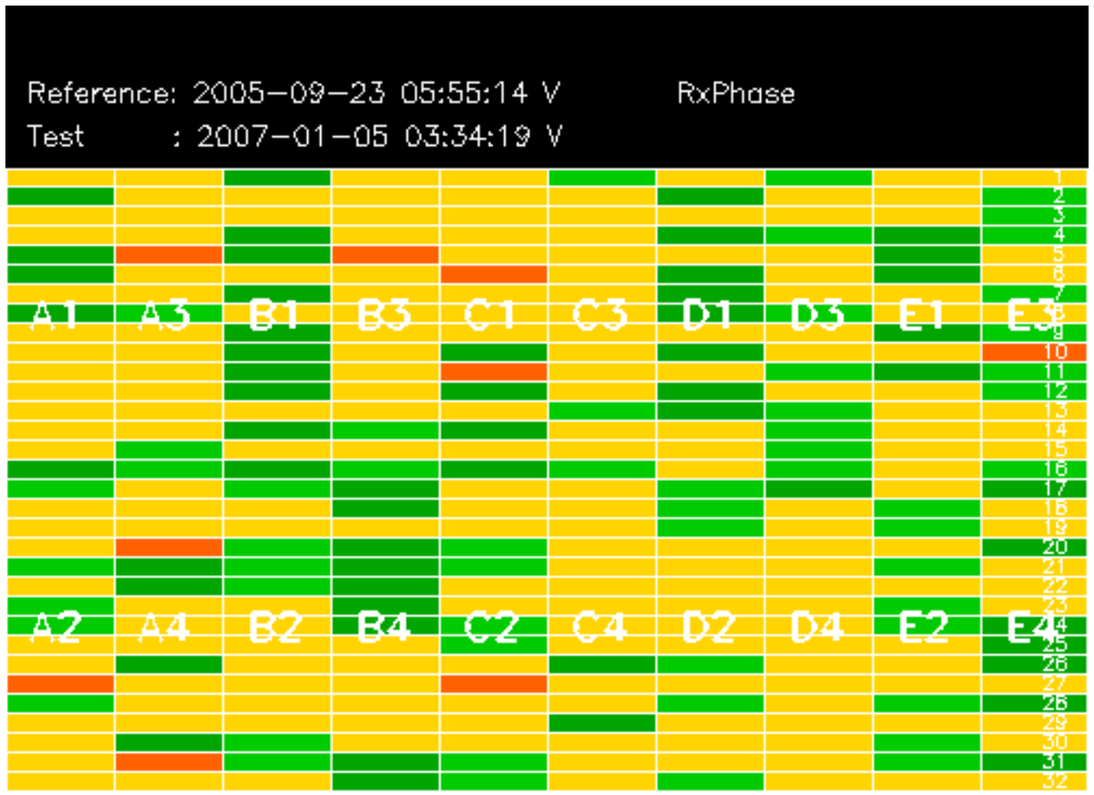

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-05 03:34:19 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

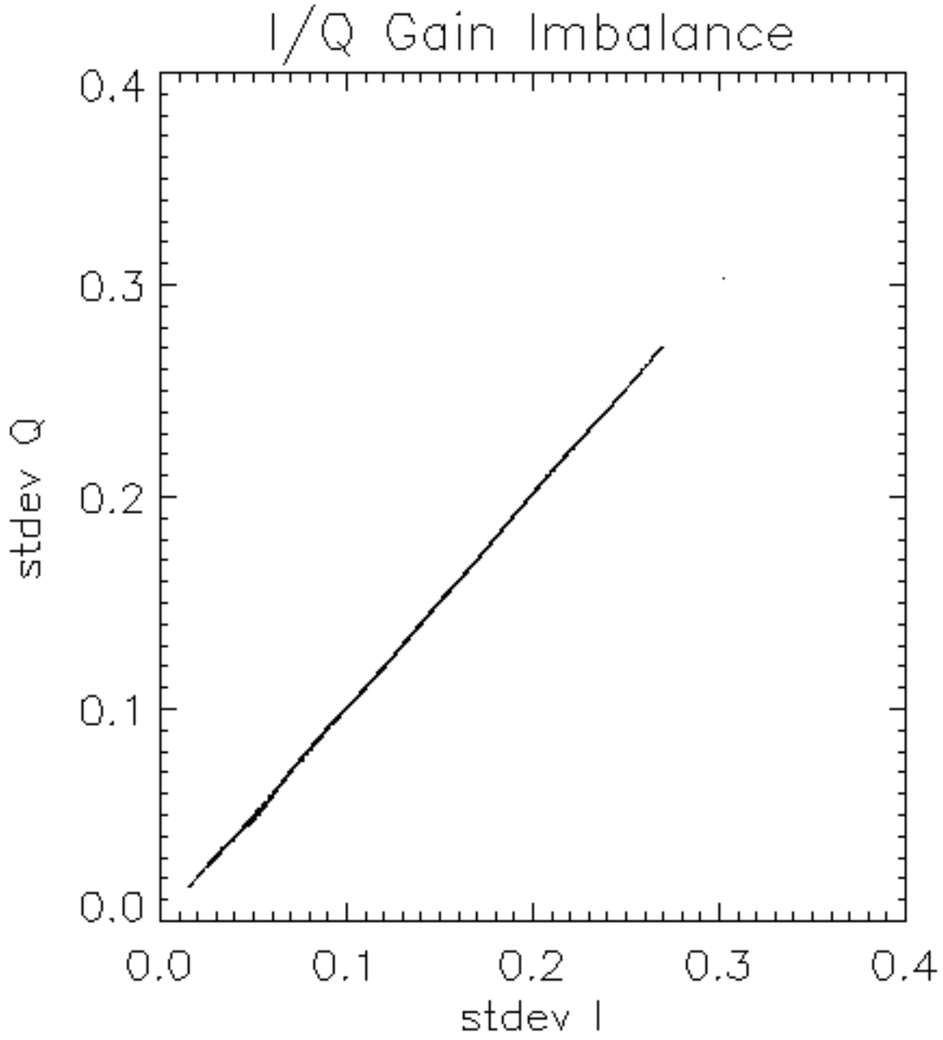

Reference: 2005-09-23 05:55:14 V
Test : 2007-01-05 03:34:19 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

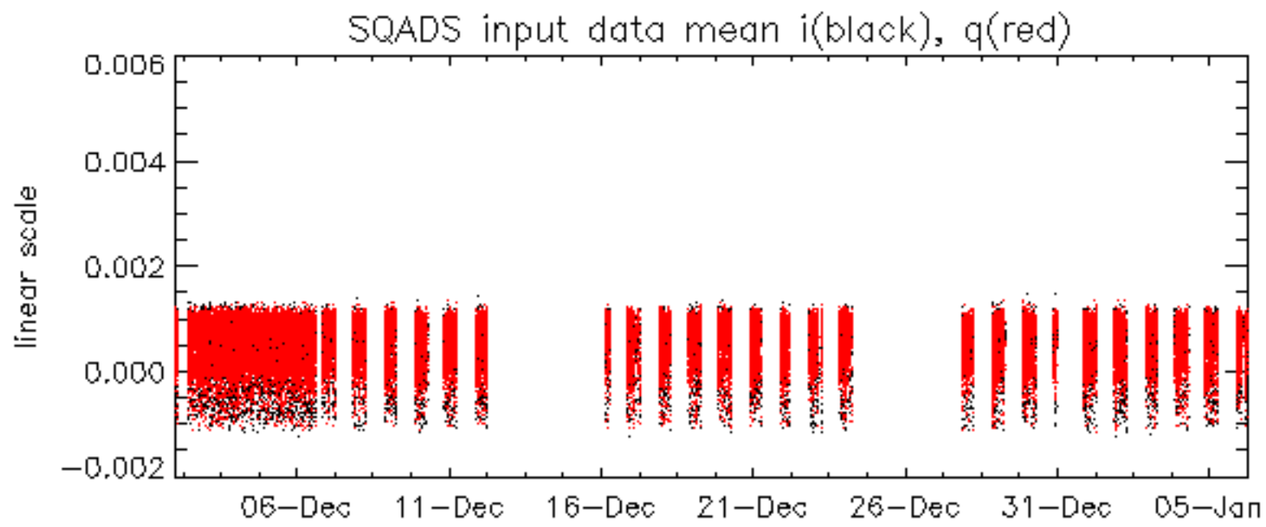

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-01-06 04:09:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

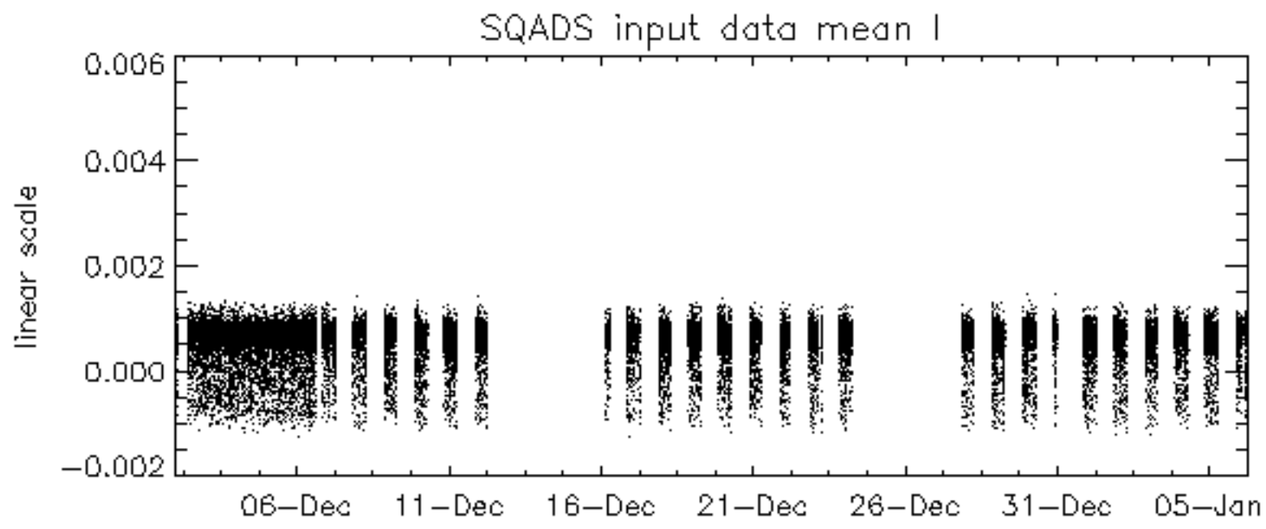

Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-01-06 04:09:26 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

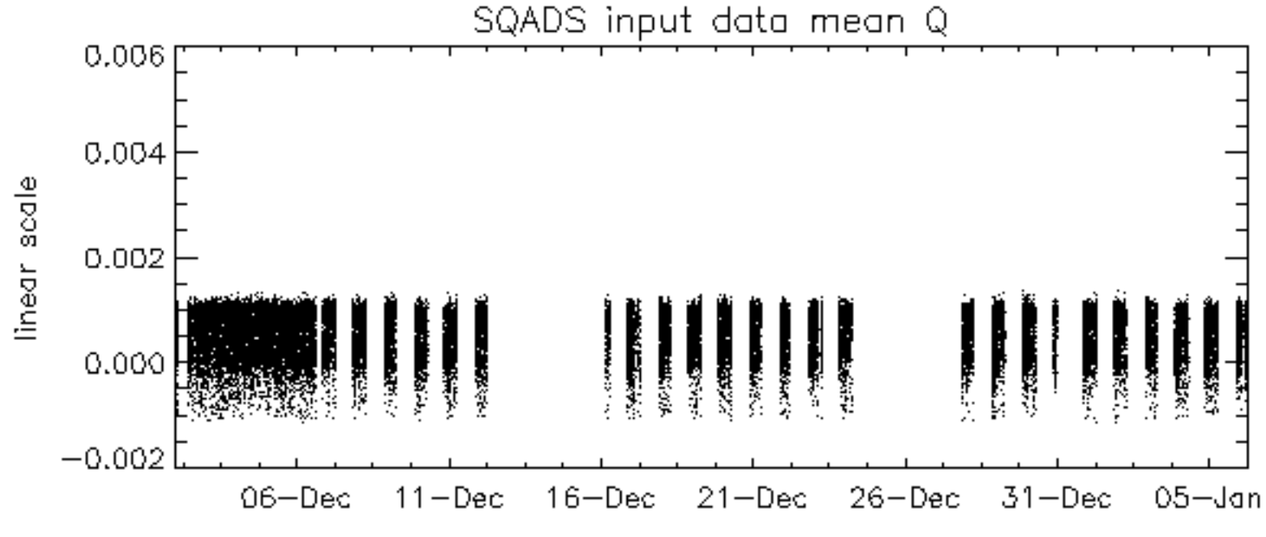

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-05 03:34:19 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

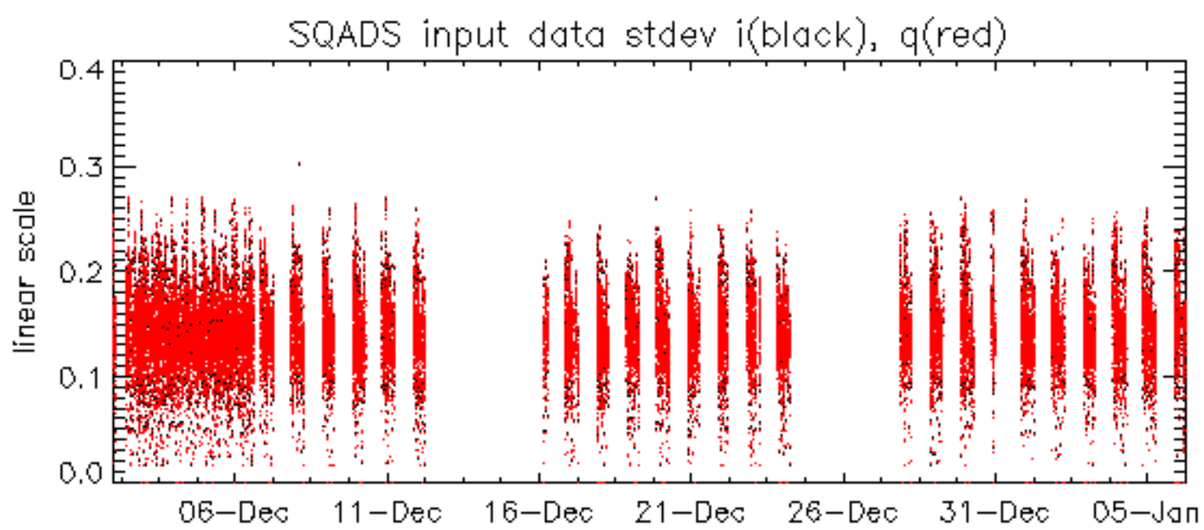

Reference: 2005-09-23 05:55:14 V
Test : 2007-01-05 03:34:19 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

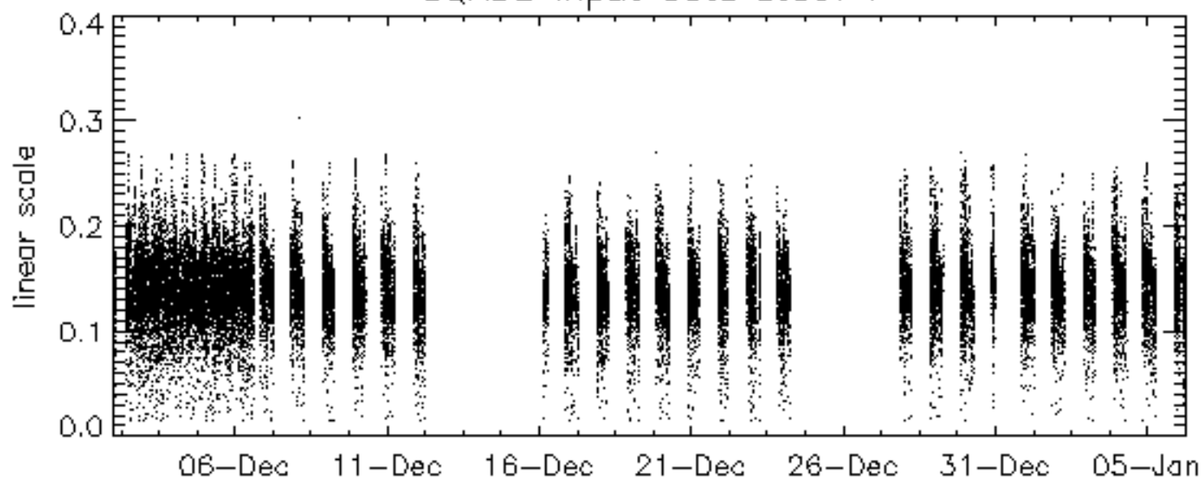

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

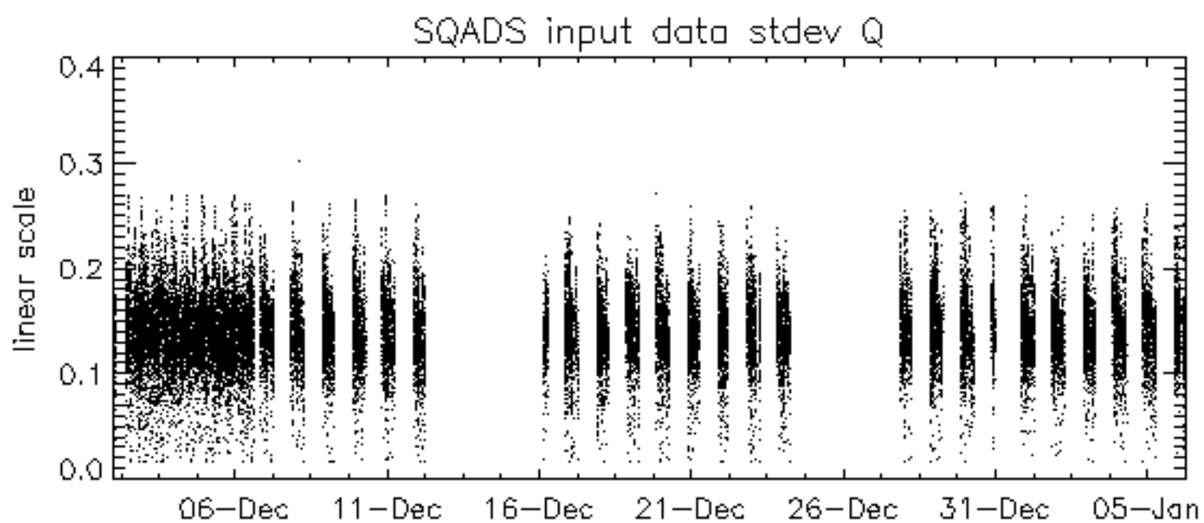

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan

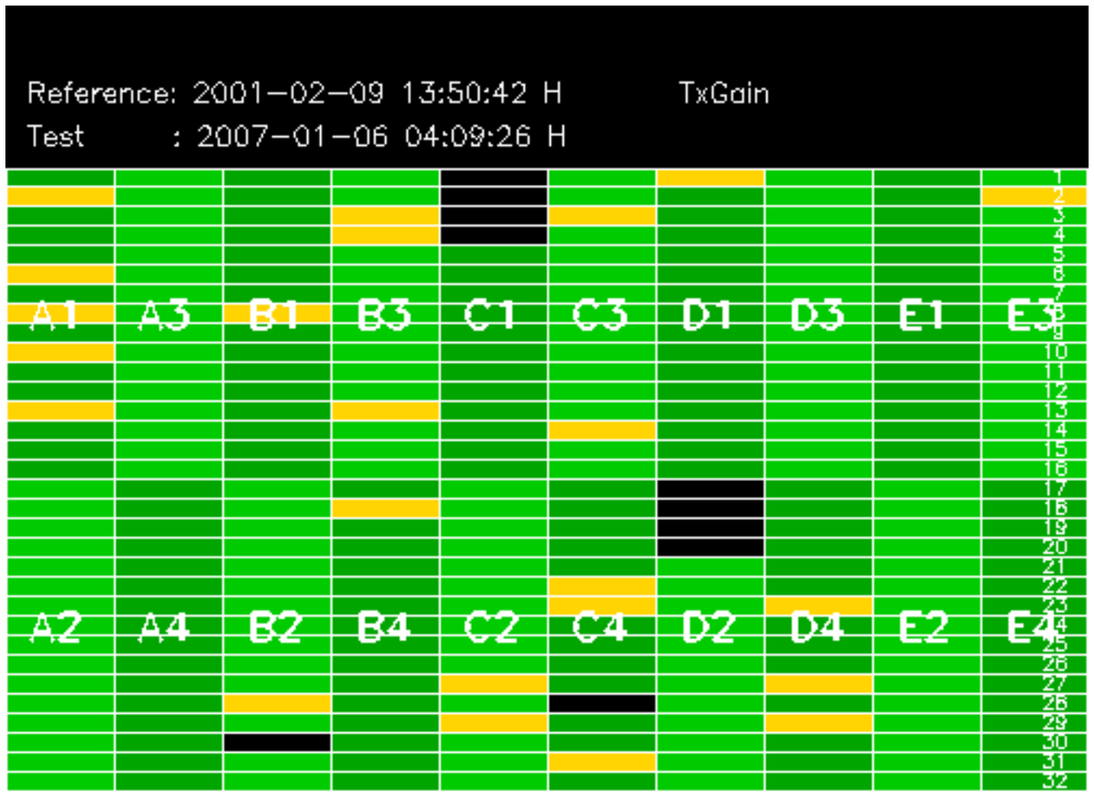

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan

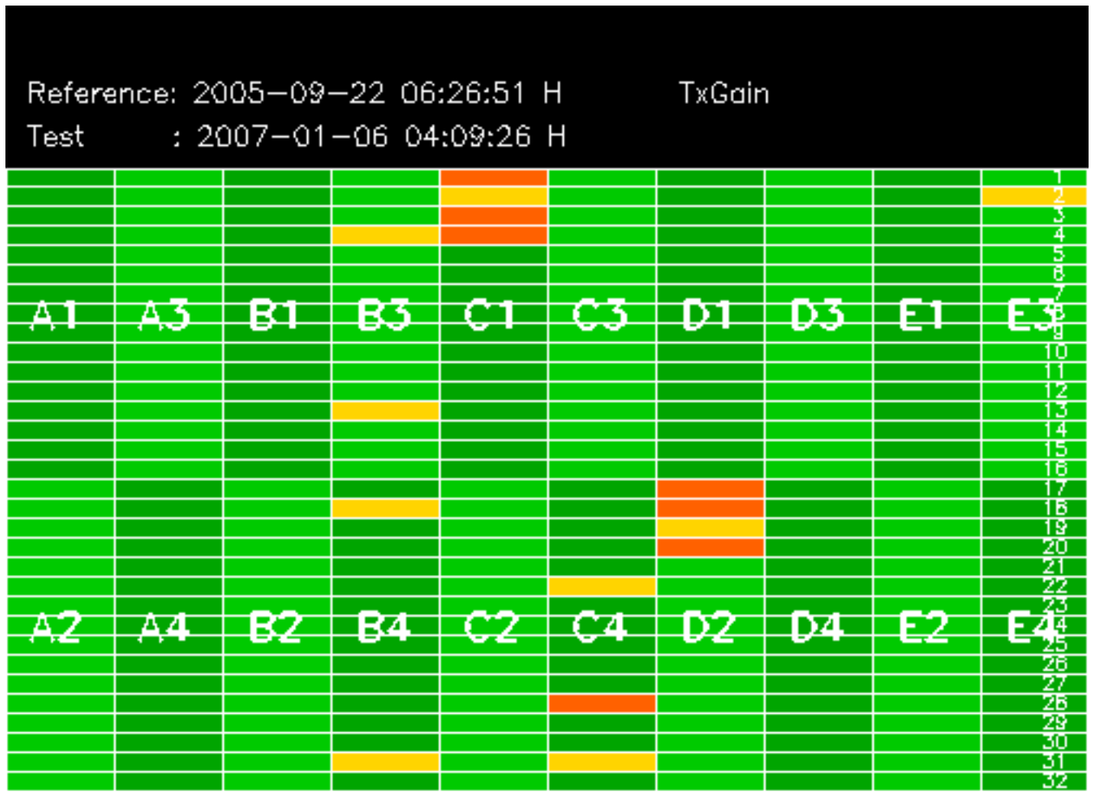

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan

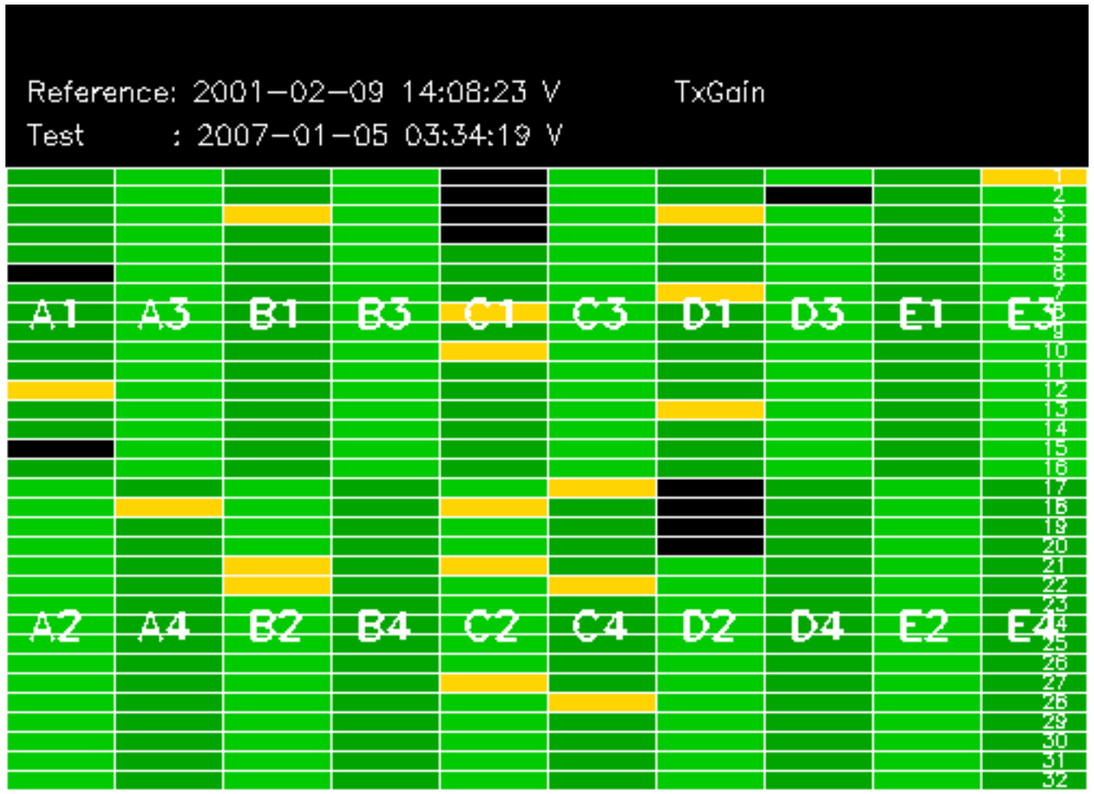

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06–Dec
11–Dec
16–Dec
21–Dec
26–Dec
31–Dec
05–Jan

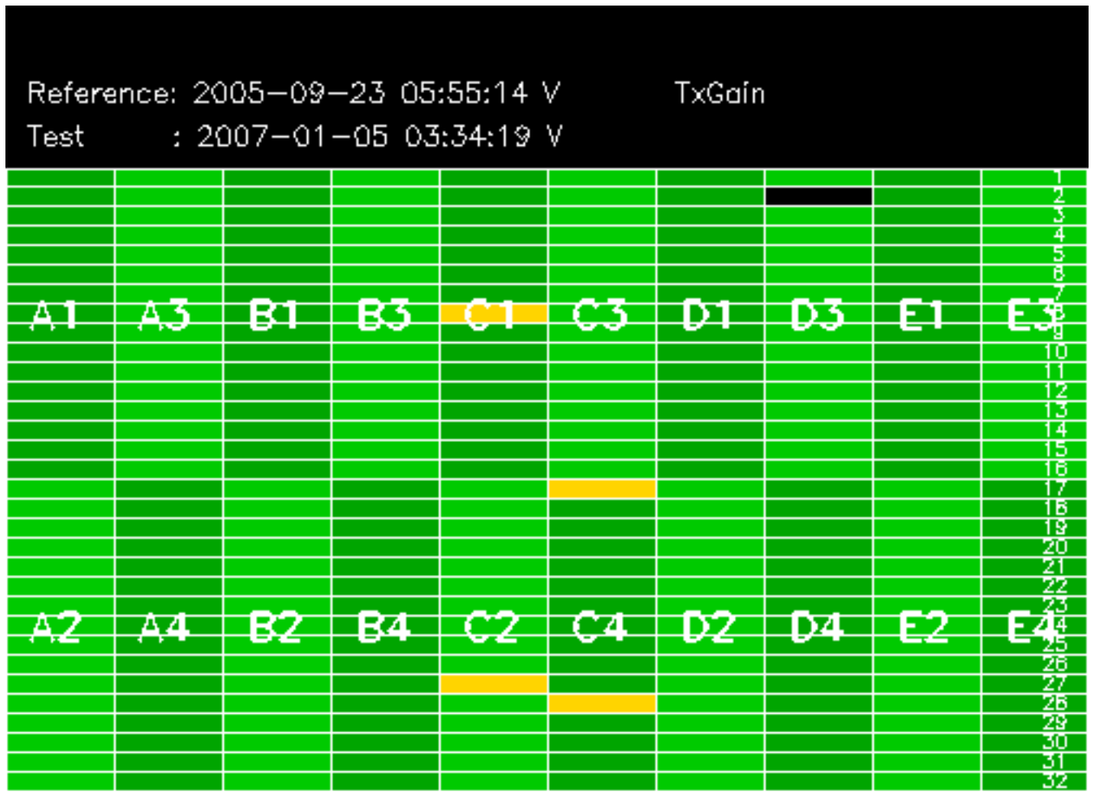

SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06–Dec
11–Dec
16–Dec
21–Dec
26–Dec
31–Dec
05–Jan


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06–Dec
11–Dec
16–Dec
21–Dec
26–Dec
31–Dec
05–Jan

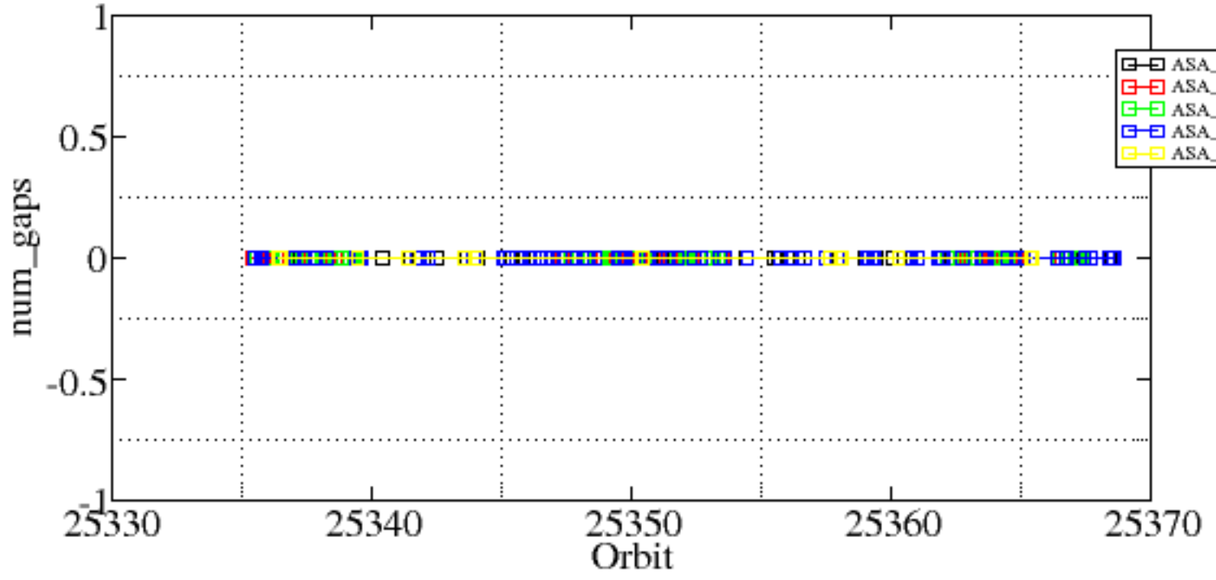

Reference: 2001-02-09 13:50:42 H
Test : 2007-01-06 04:09:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

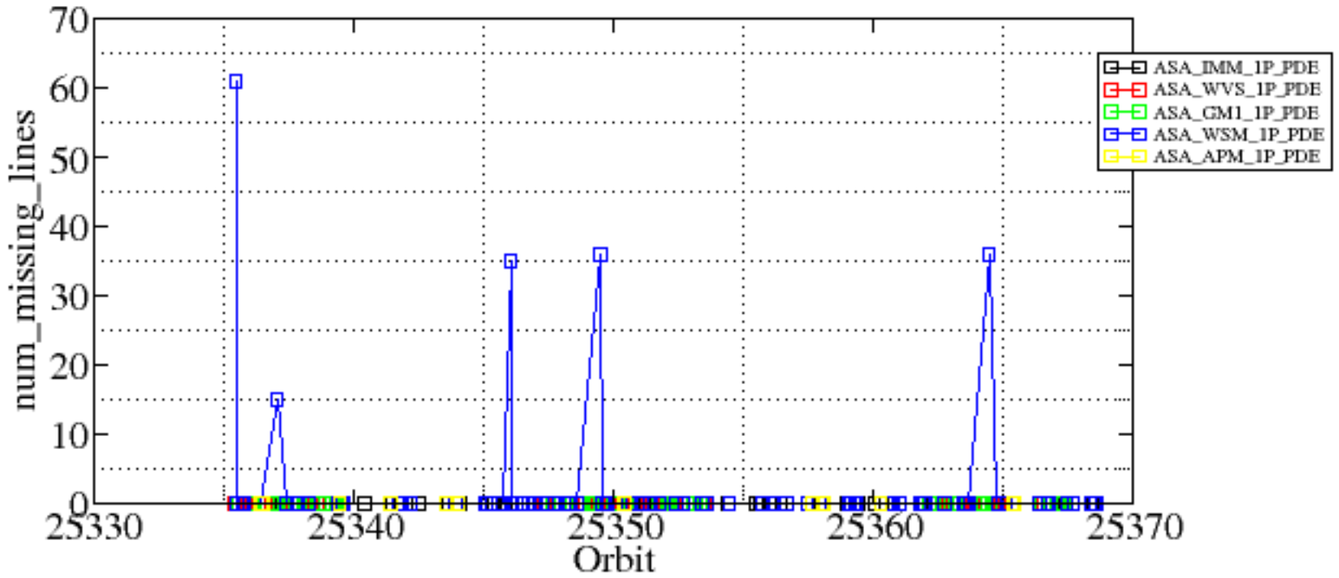

Reference: 2005-09-22 06:26:51 H
Test : 2007-01-06 04:09:26 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

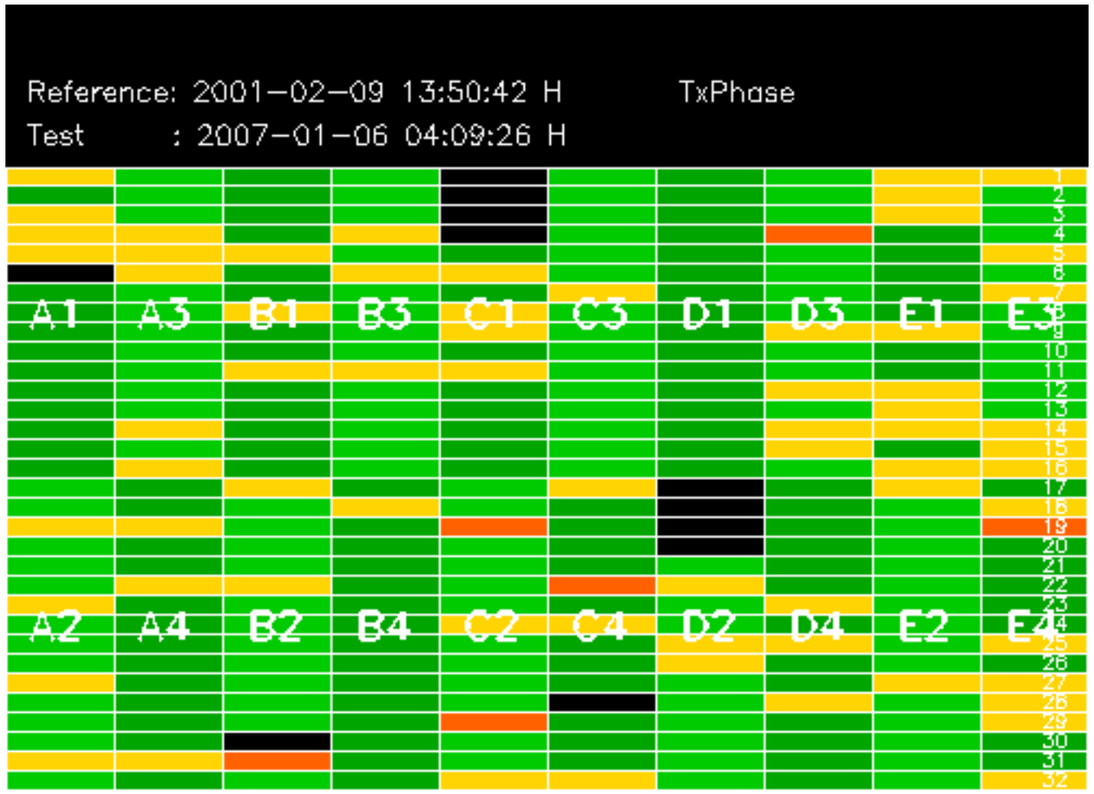

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-05 03:34:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

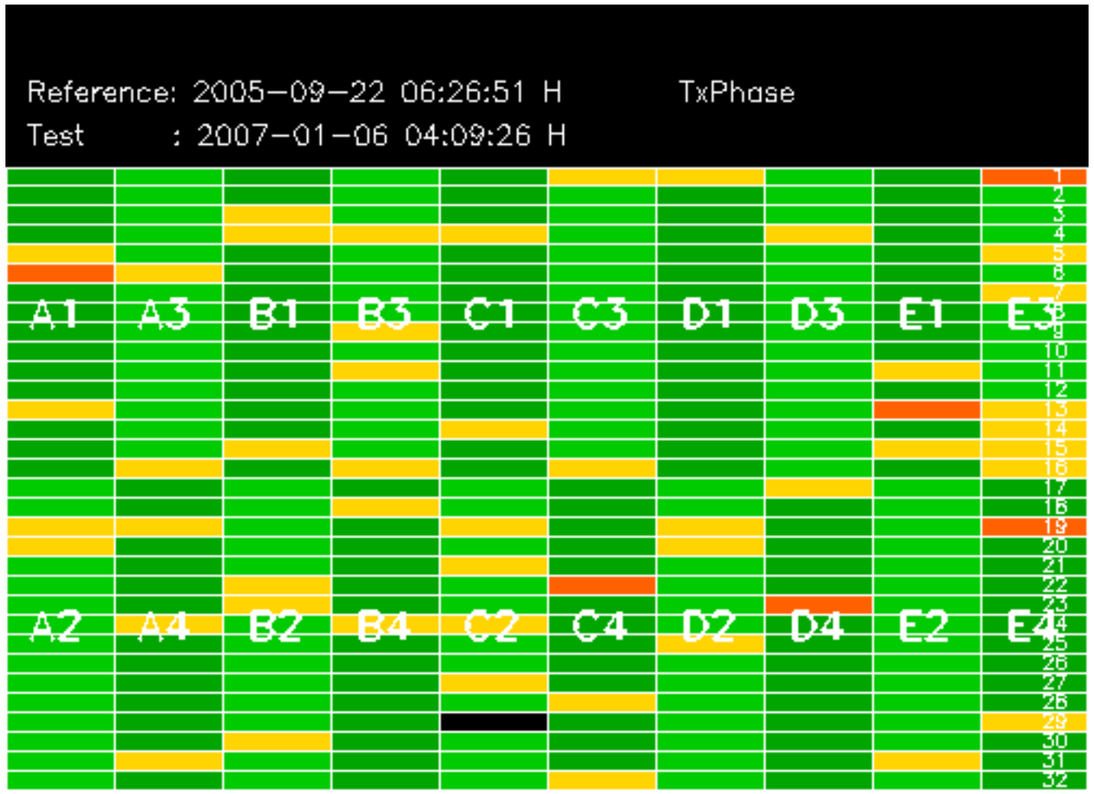

Reference: 2005-09-23 05:55:14 V
Test : 2007-01-05 03:34:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

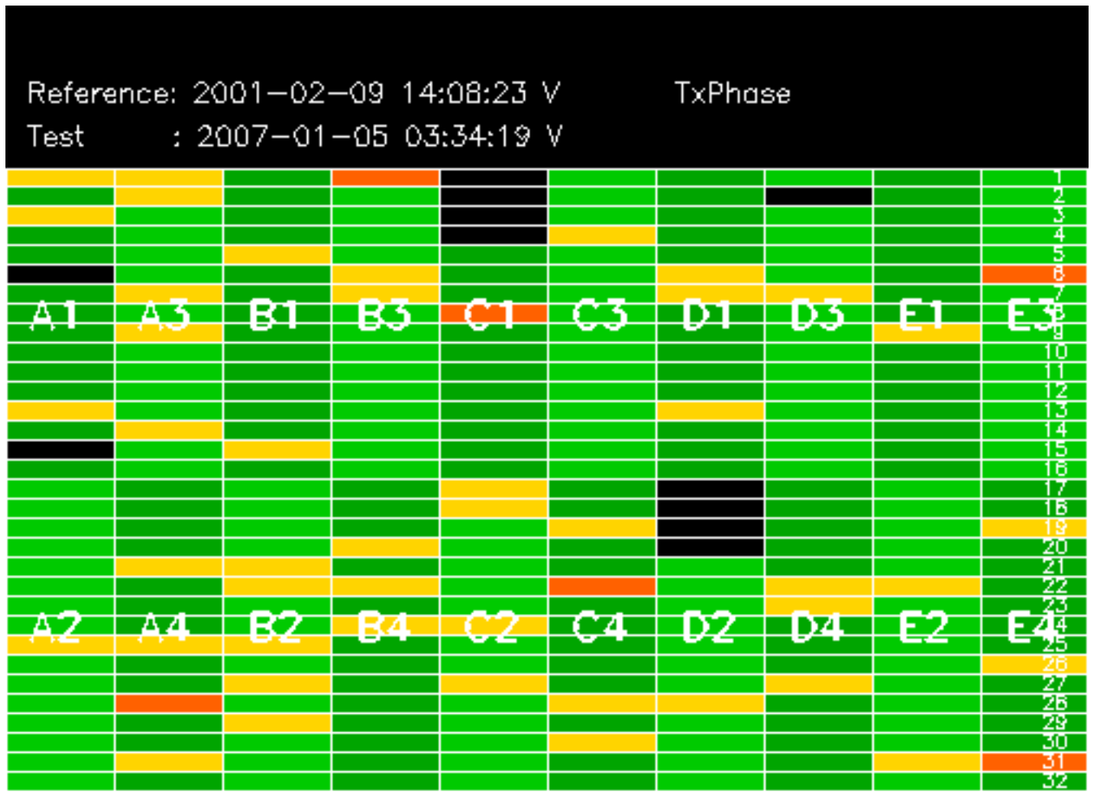
Summary of analysis for the last 3 days 2007010[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_002424_000001292054_00231_25335_1792.N1 </td> <td>0 </td> <td>61 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_002424_000003062054_00231_25335_1618.N1 </td> <td>0 </td> <td>61 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_002424_000003062054_00231_25335_2038.N1 </td> <td>0 </td> <td>61 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_030430_000002382054_00233_25337_1981.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_180904_000000862054_00242_25346_2917.N1 </td> <td>0 </td> <td>35 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070104_235452_000002382054_00245_25349_3463.N1 </td> <td>0 </td> <td>36 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070106_010151_000003232054_00260_25364_4939.N1 </td> <td>0 </td> <td>36 </td></tr>
</table>

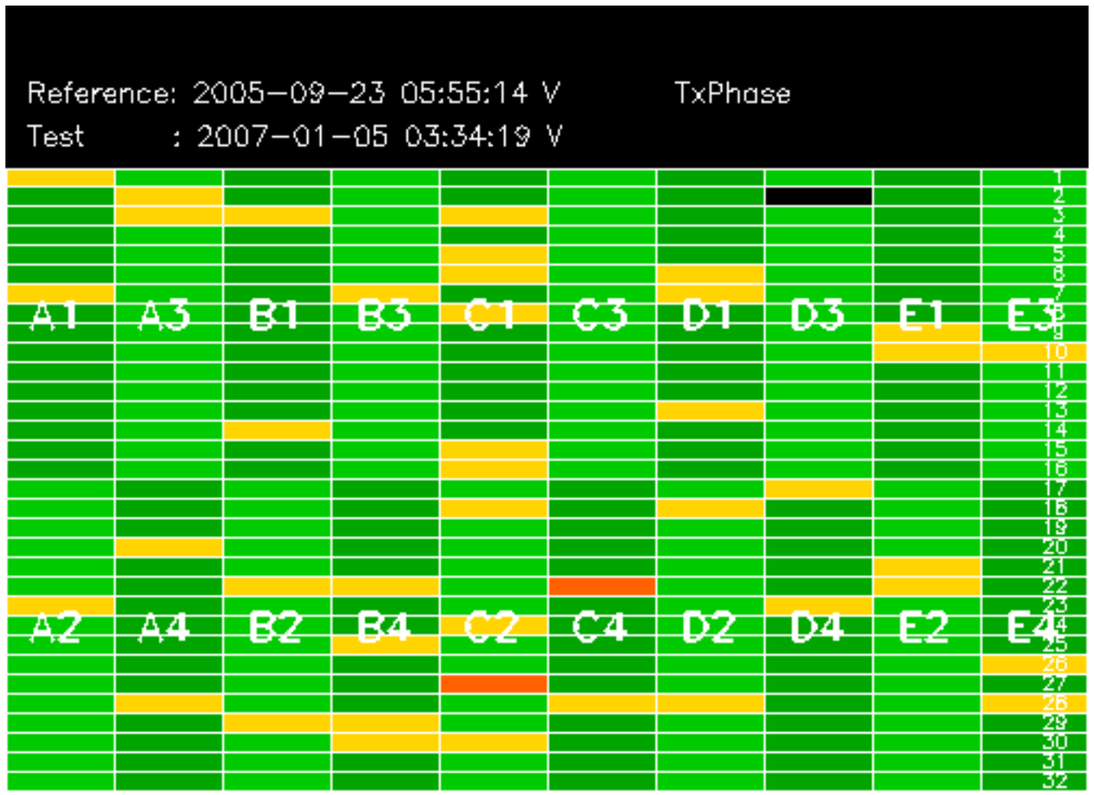

num_gaps
1
0.5
0
-0.5
-1
25330
25340
25350
25360
25370
Orbit
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE

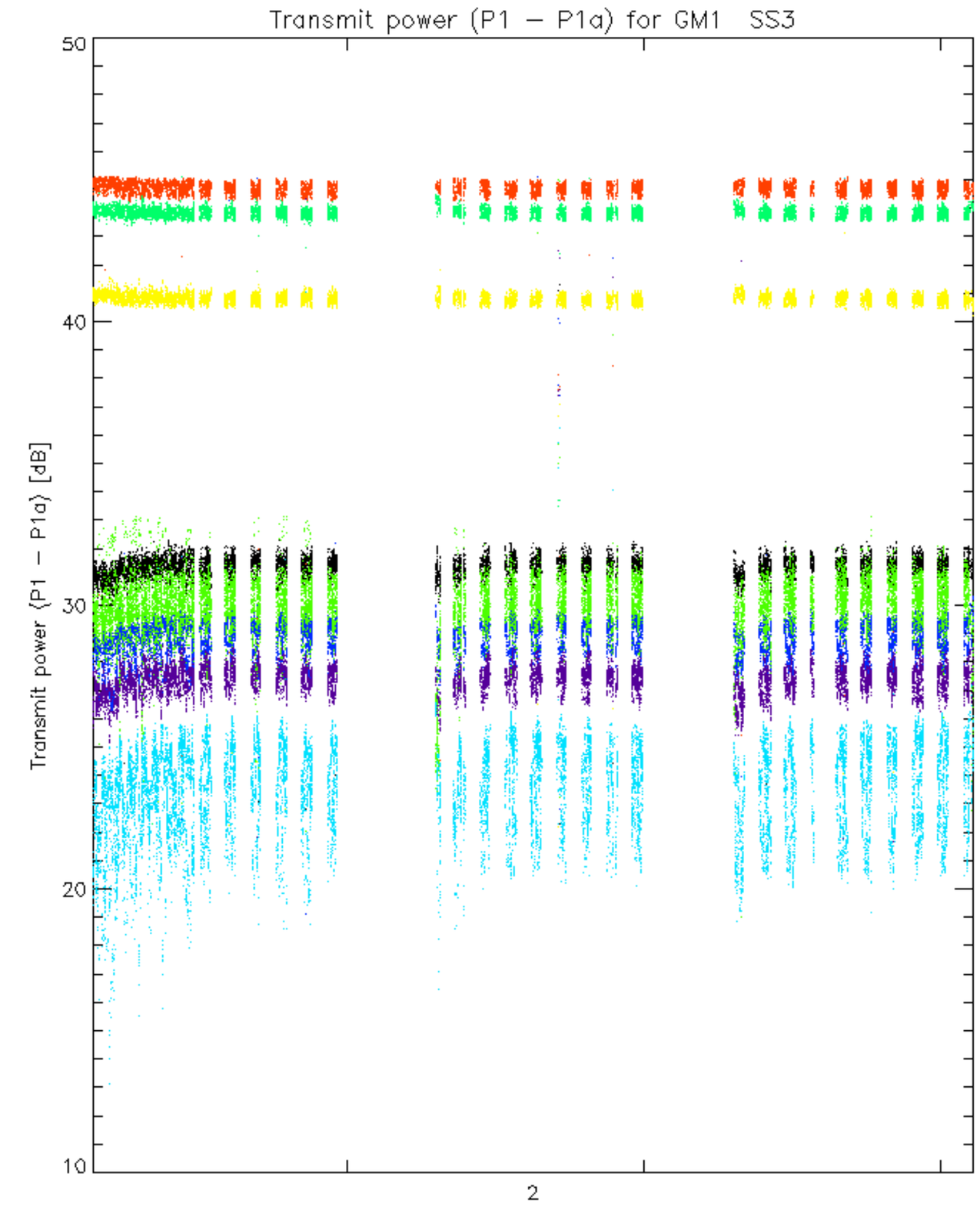

num_missing_lines
70
60
50
40
30
20
10
0
25330
25340
25350
25360
25370
Orbit
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE

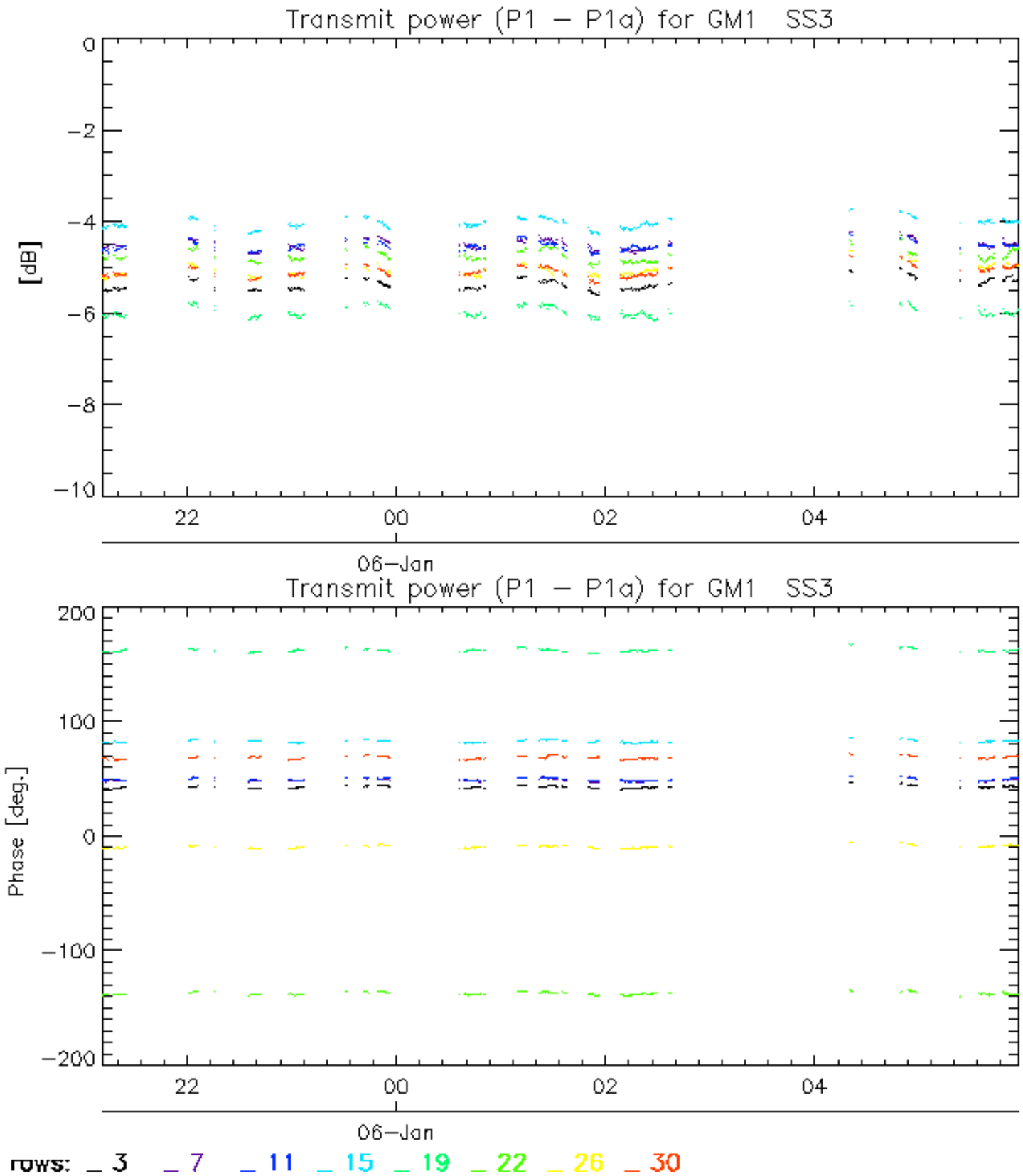

Reference: 2001-02-09 13:50:42 H
Test : 2007-01-06 04:09:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

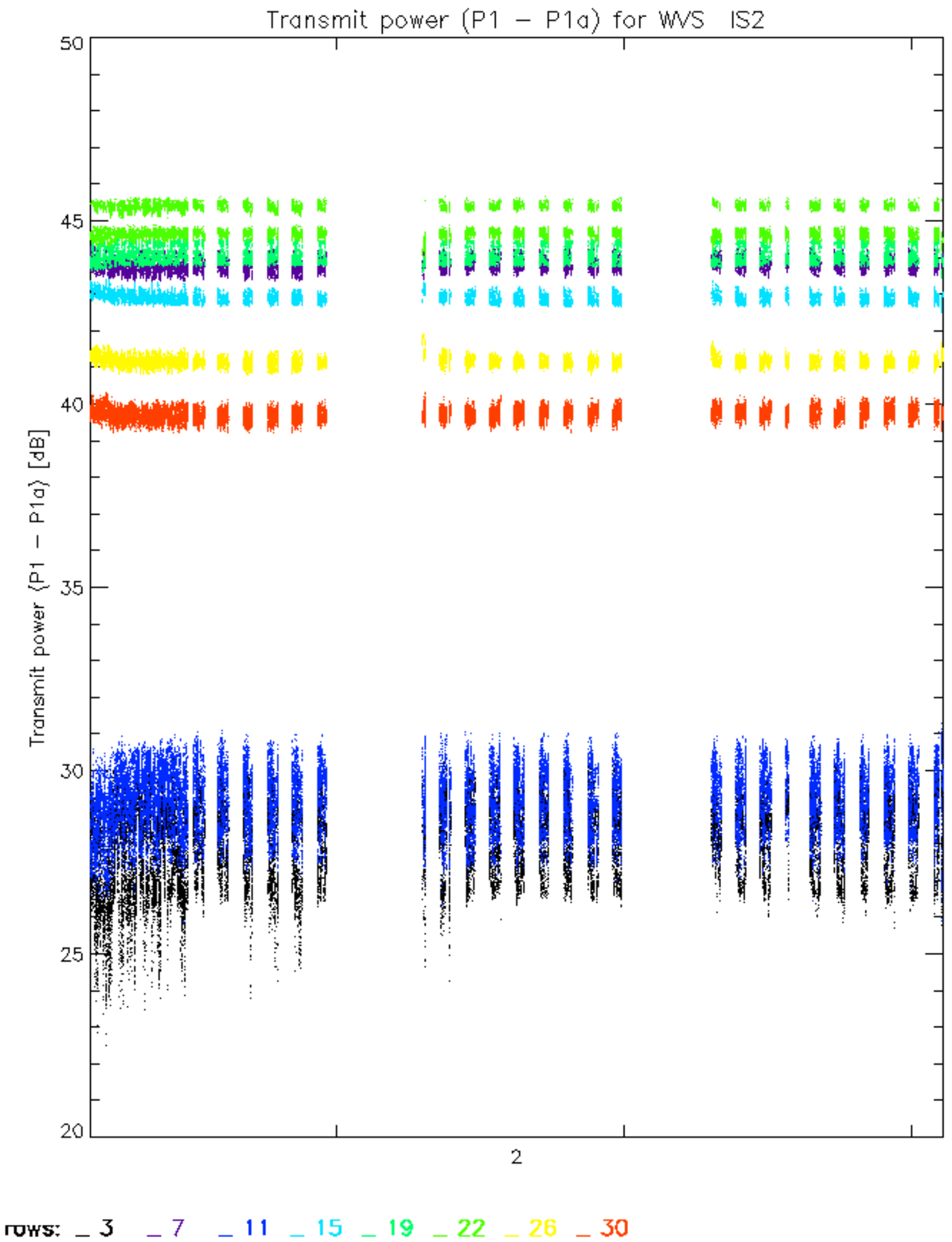

Reference: 2005-09-22 06:26:51 H
Test : 2007-01-06 04:09:26 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

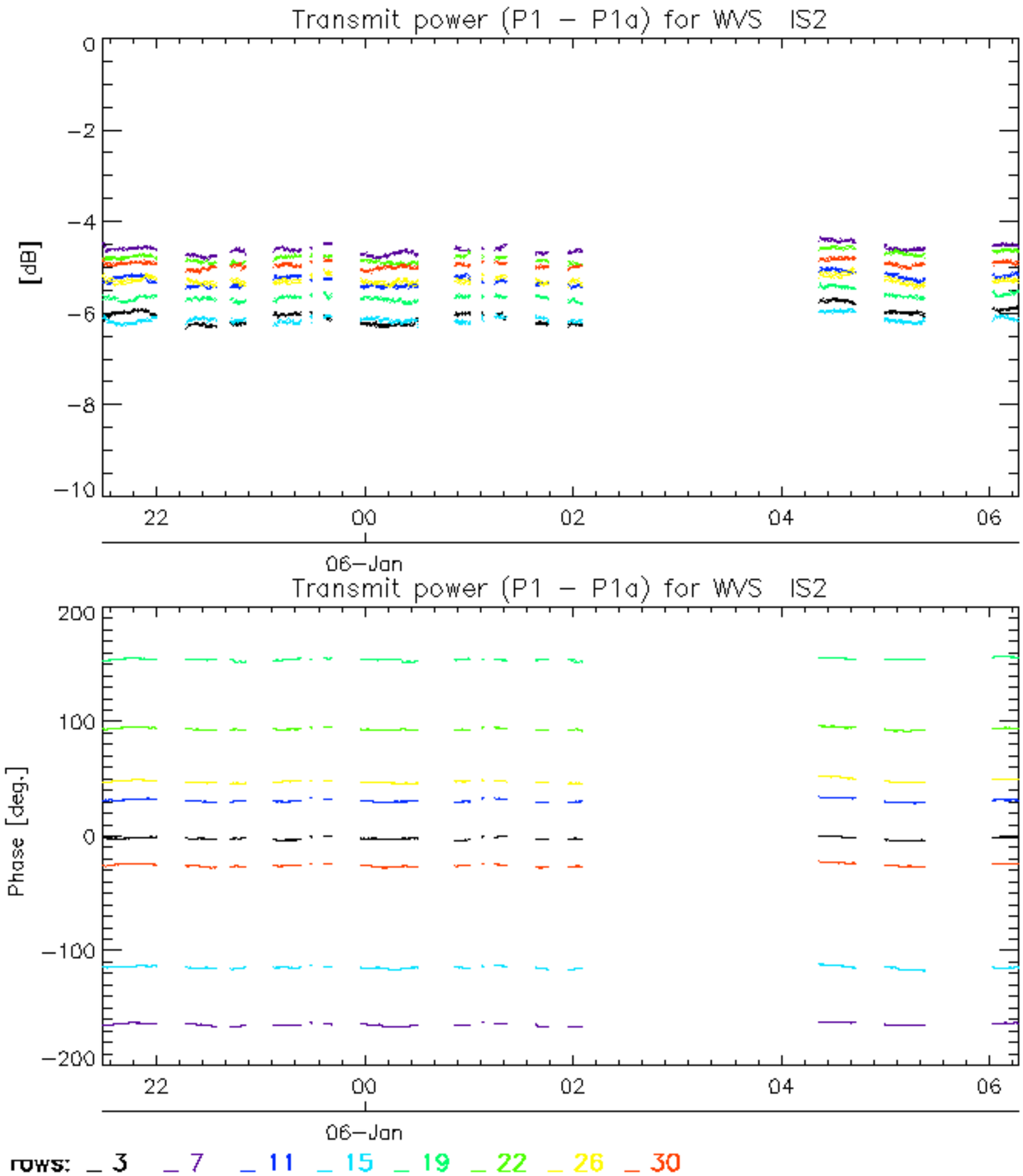

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-05 03:34:19 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-05 03:34:19 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
2
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–Jan
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06–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
2
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
06–Jan
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06
06–Jan
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.