PRELIMINARY REPORT OF 060115

last update on Sun Jan 15 16:47:06 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 2006-01-14 00:00:00 to 2006-01-15 16:47:06

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	45	0	6	0	32
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	45	0	6	0	32
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	45	0	6	0	32
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	0	6	0	32

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	42	48	24	12	74
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	42	48	24	12	74
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	42	48	24	12	74
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	48	24	12	74

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	20060114 064354
H	20060115 061217

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
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☒	☒
☒	☒
☒	☒

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS
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4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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☒

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	-4.047780	0.014869	0.014679
7	P1	-2.995013	0.020159	0.003735
11	P1	-4.106367	0.022795	0.039542
15	P1	-6.052966	0.068206	-0.052775
19	P1	-3.234932	0.007423	-0.040113
22	P1	-4.487827	0.020310	0.018581
26	P1	-4.224258	0.013088	0.031711
30	P1	-5.767835	0.010467	-0.001020
3	P1	-16.973633	0.326546	-0.057227
7	P1	-16.553516	0.209332	-0.170156
11	P1	-16.596762	0.343604	0.044058
15	P1	-13.281153	0.157193	0.165037
19	P1	-13.865654	0.083457	-0.043675
22	P1	-15.990673	0.572326	0.348495
26	P1	-15.762553	0.292064	-0.095079
30	P1	-16.613810	0.417400	0.099310

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.669271	0.099336	0.166582
7	P2	-22.508532	0.098821	0.088320
11	P2	-16.354048	0.104627	0.136075
15	P2	-7.235819	0.102360	0.062744
19	P2	-9.195396	0.099351	0.087749
22	P2	-17.939589	0.098244	0.026500
26	P2	-16.234226	0.101412	0.070480
30	P2	-19.669502	0.085398	0.061078

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.222742	0.007785	0.035295
7	P3	-8.222742	0.007785	0.035295
11	P3	-8.222742	0.007785	0.035295
15	P3	-8.222742	0.007785	0.035295
19	P3	-8.222742	0.007785	0.035295
22	P3	-8.222742	0.007785	0.035295
26	P3	-8.222742	0.007785	0.035295
30	P3	-8.222742	0.007785	0.035295

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	-3.717354	0.008525	-0.013851
7	P1	-2.762526	0.007777	0.018693
11	P1	-2.868280	0.010254	0.020138
15	P1	-3.441058	0.017832	-0.063220
19	P1	-3.384790	0.014010	0.043982
22	P1	-5.121953	0.020805	0.004011
26	P1	-5.851615	0.015499	0.012223
30	P1	-5.266941	0.031900	0.066856
3	P1	-11.505437	0.034206	-0.058249
7	P1	-9.942127	0.048767	0.070181
11	P1	-10.059232	0.051648	-0.025041
15	P1	-10.589465	0.078975	-0.114873
19	P1	-15.499946	0.066942	0.114340
22	P1	-20.768444	1.072014	0.466059
26	P1	-16.975557	0.321496	0.498202
30	P1	-18.159510	0.288081	-0.027496

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.507408	0.032689	0.251504
7	P2	-22.951784	0.059654	0.308329
11	P2	-11.496911	0.021028	0.205609
15	P2	-4.951878	0.023746	0.130244
19	P2	-6.948828	0.022766	0.102186
22	P2	-8.201265	0.022693	0.058036
26	P2	-24.006582	0.027869	0.138795
30	P2	-22.116867	0.017530	0.084195

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.067082	0.002553	0.041519
7	P3	-8.067048	0.002554	0.042388
11	P3	-8.067202	0.002555	0.041969
15	P3	-8.067122	0.002549	0.042327
19	P3	-8.067166	0.002552	0.041920
22	P3	-8.066977	0.002550	0.042135
26	P3	-8.066966	0.002540	0.042354
30	P3	-8.067018	0.002552	0.041306

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	0.000536644
	stdev	1.84347e-07
MEAN Q	mean	0.000510813
	stdev	2.22766e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136767
	stdev	0.00120626
STDEV Q	mean	0.137107
	stdev	0.00122444

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006011[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_1PNPDE20060113_042639_000000522044_00147_20241_0106.N1	1	0
ASA_IMM_1PNPDE20060114_003120_000001252044_00159_20253_0148.N1	1	0
ASA_IMM_1PNPDE20060115_004048_000000622044_00174_20268_0186.N1	1	0
ASA_WSM_1PNPDE20060114_112252_000001292044_00166_20260_0554.N1	0	46
ASA_WSM_1PNPDE20060114_112252_000001652044_00166_20260_0558.N1	0	46
ASA_WSM_1PNPDE20060114_172239_000001842044_00170_20264_0582.N1	0	3
ASA_WSM_1PNPDE20060115_013949_000002192044_00174_20268_0663.N1	0	1

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

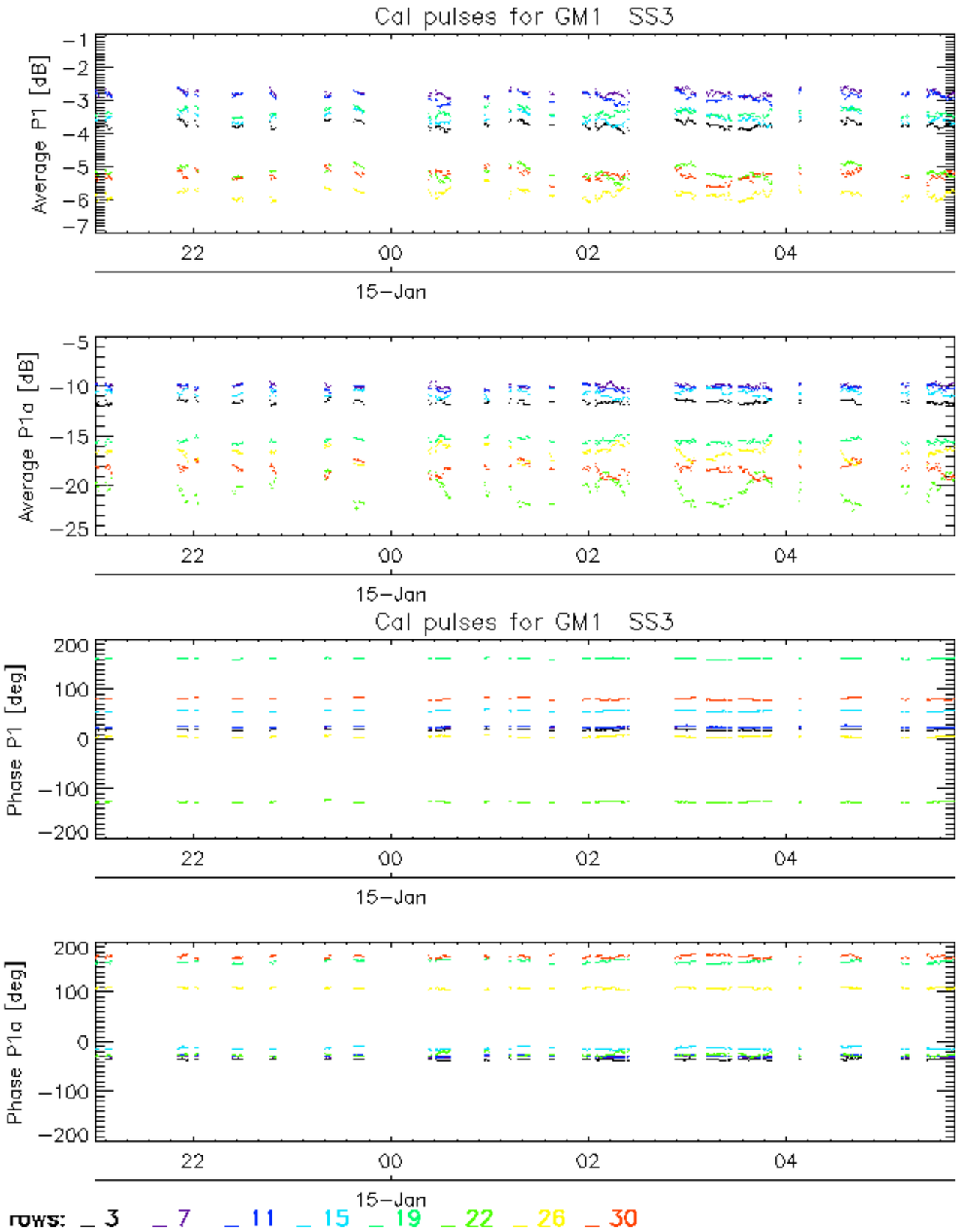
Evolution of Absolute Doppler

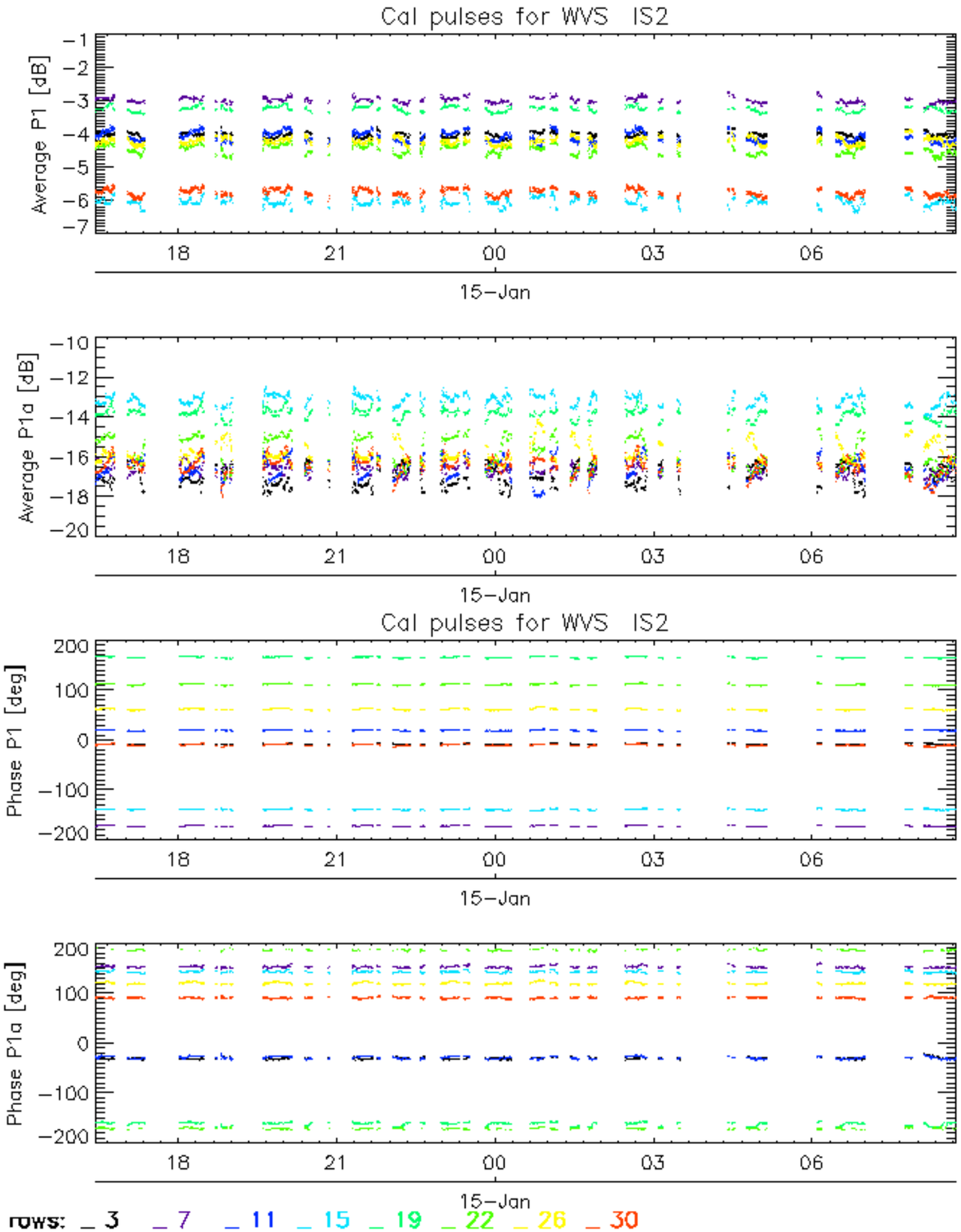
Acsending

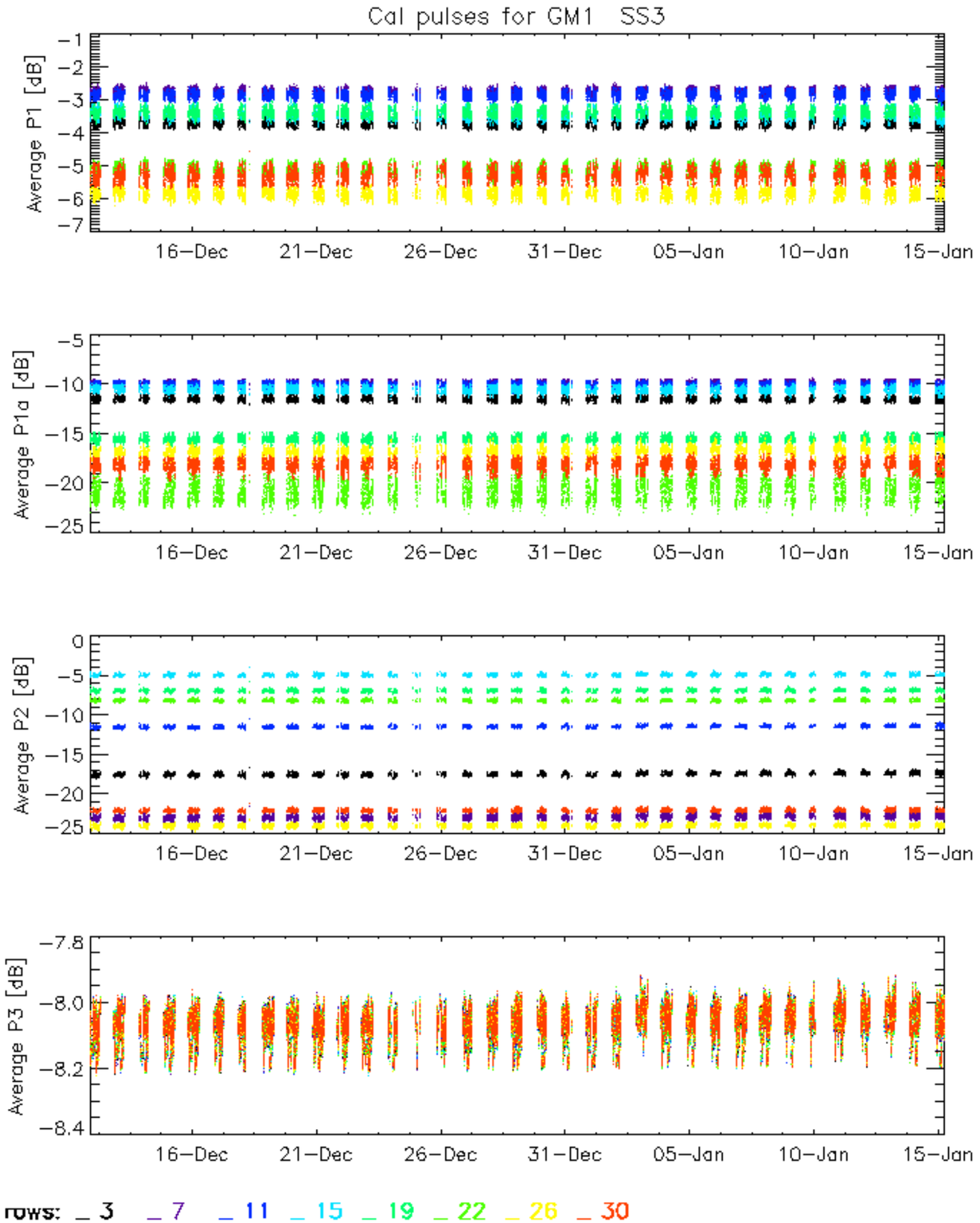
Descending

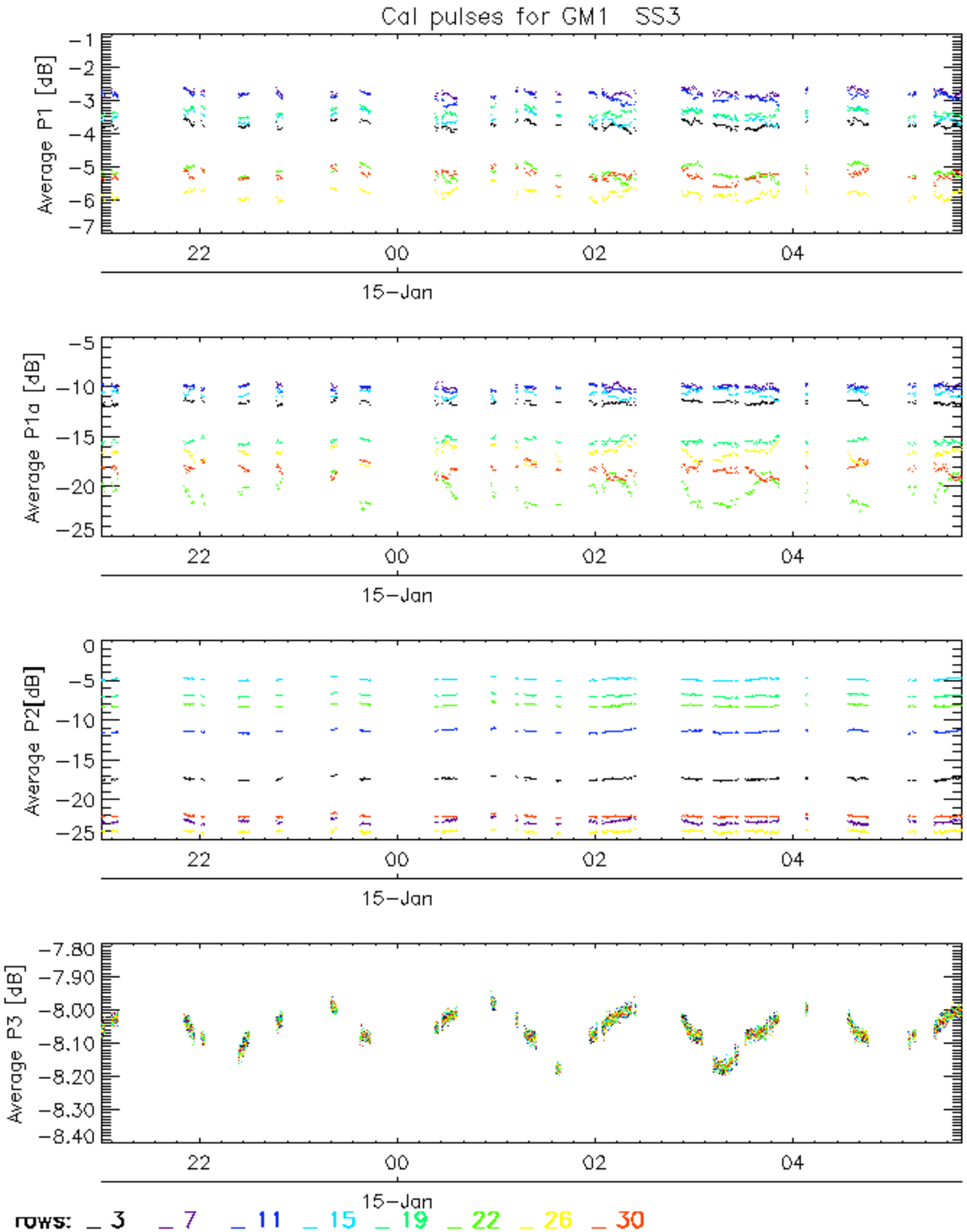
7.6 - Doppler evolution versus ANX for GM1

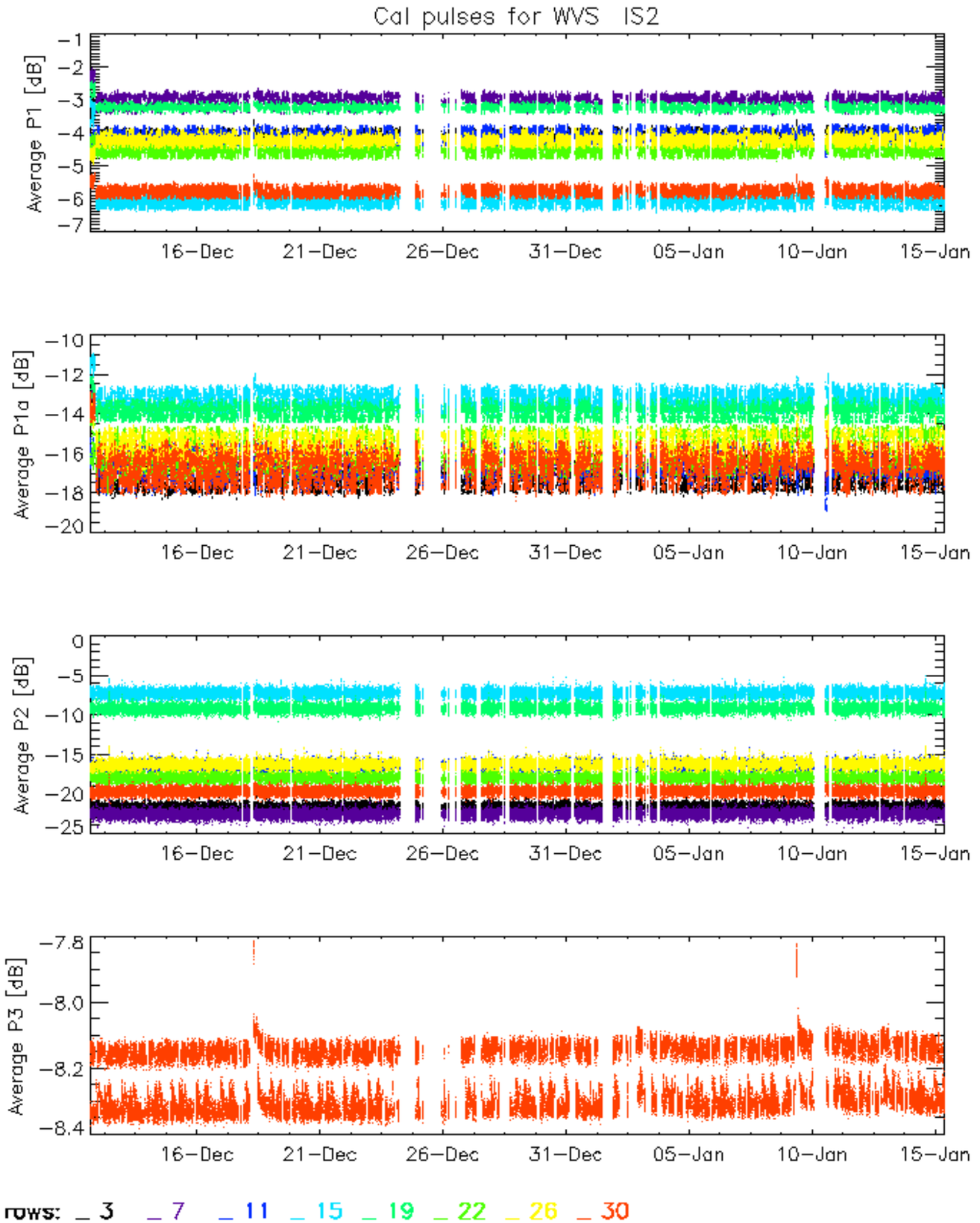
Evolution Doppler error versus ANX

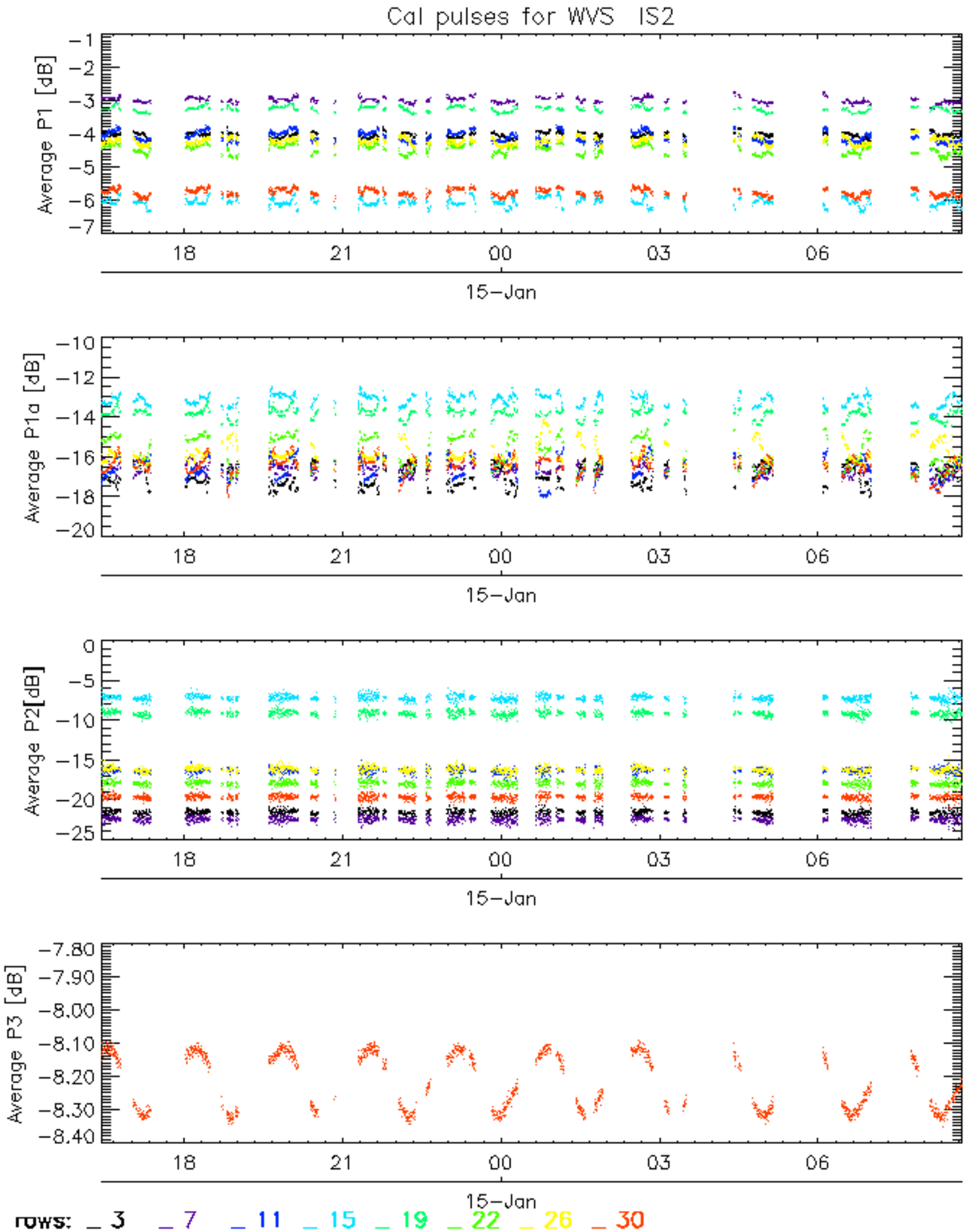


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
15−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
15−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
15−Jan
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
15−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−Jan
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
15−Jan
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jan
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
15−Jan
rows: 3 7 11 15 19 22 26 30

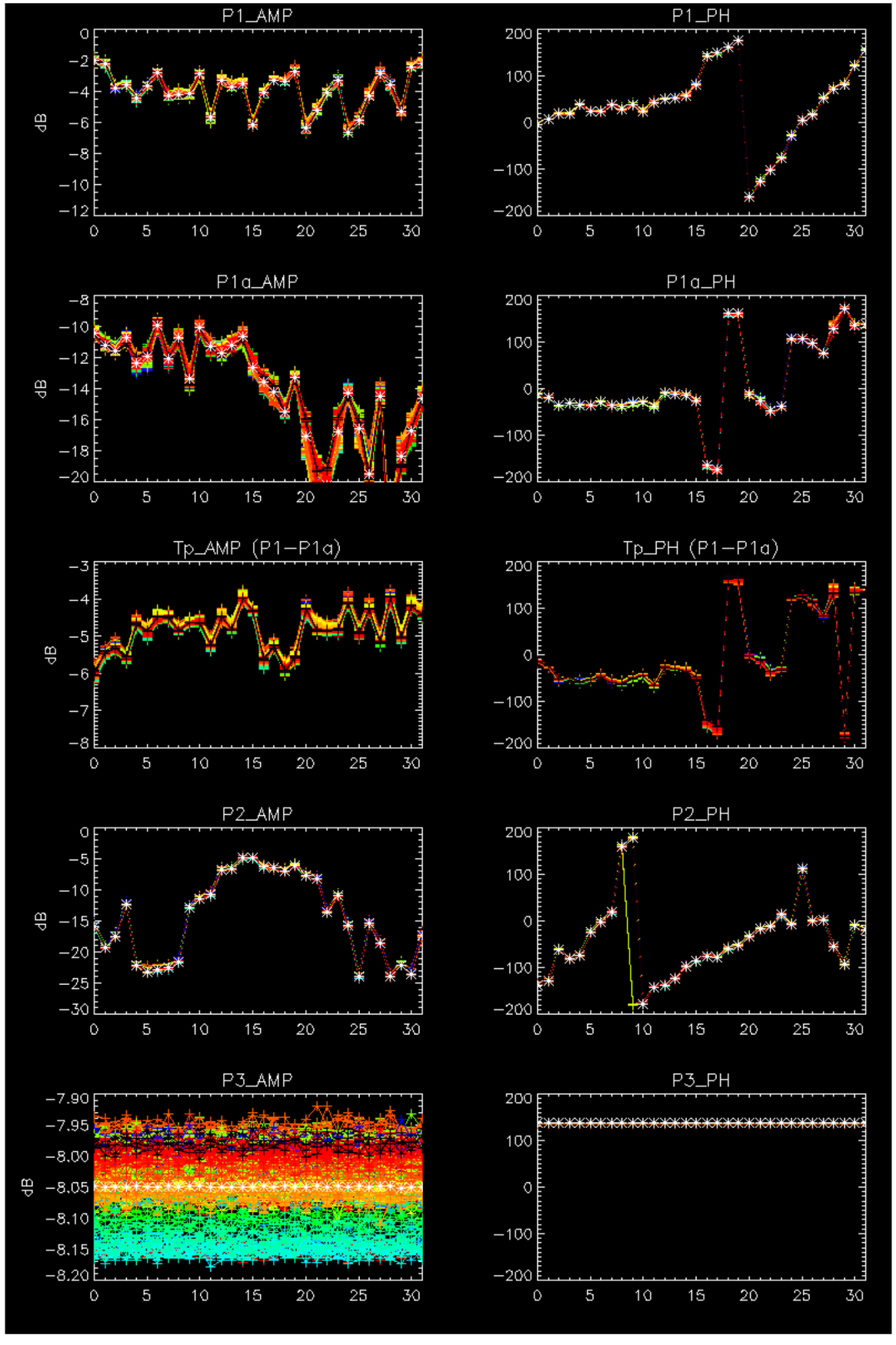

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

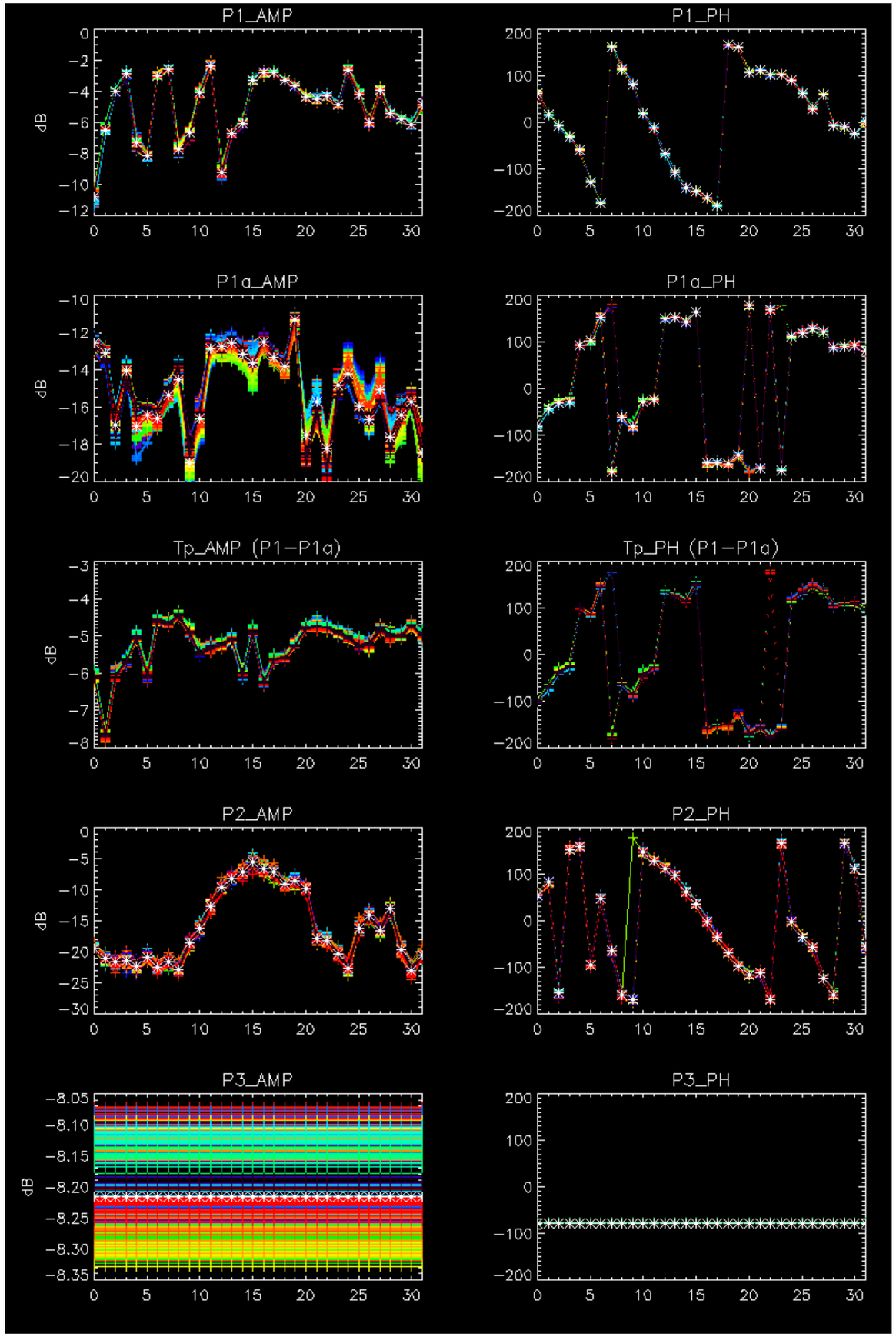

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
15−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
15−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
15−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
15−Jan
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan
Average P1a [dB]
−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
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
15−Jan
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
15−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
15−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
15−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

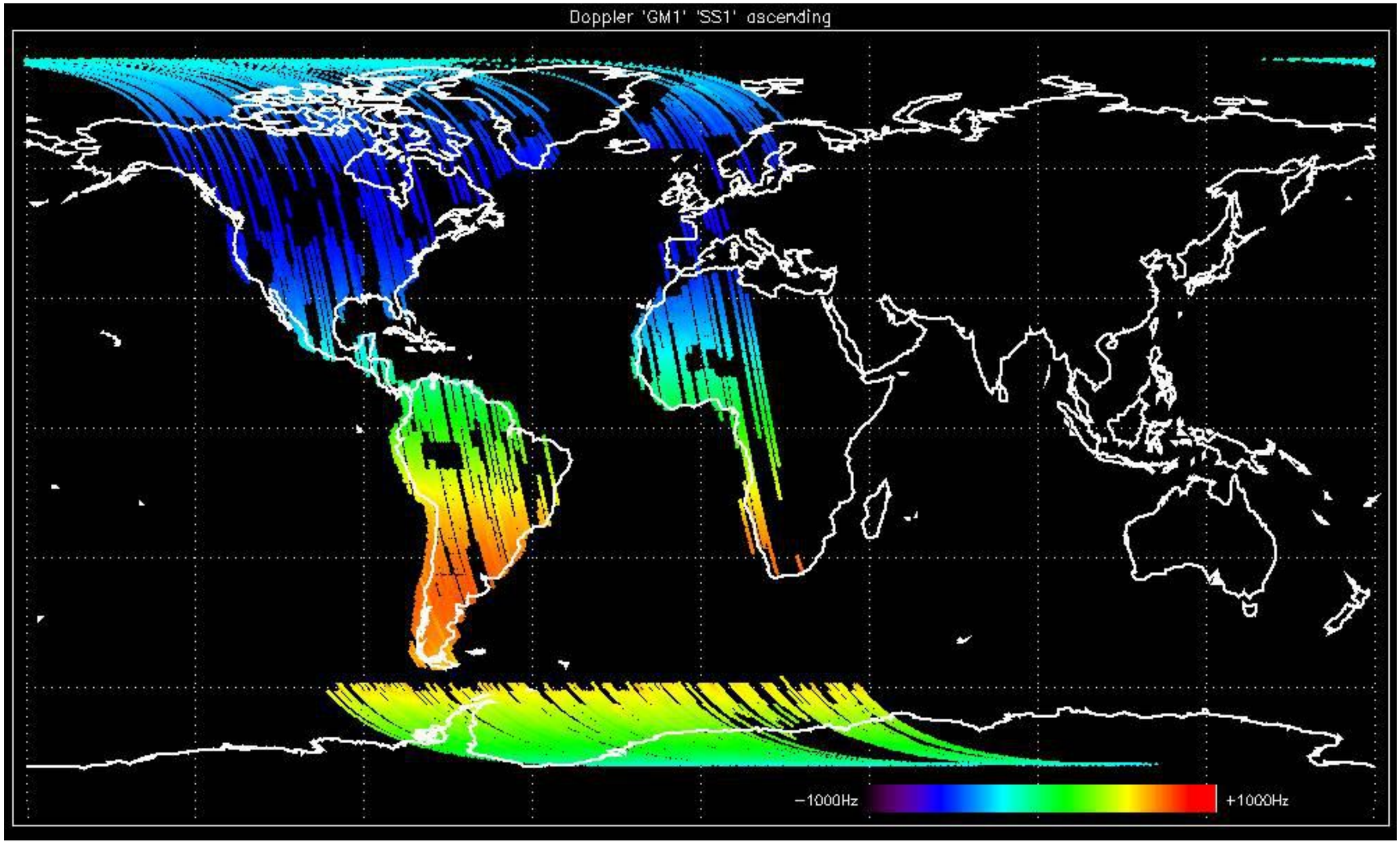
No anomalies observed.

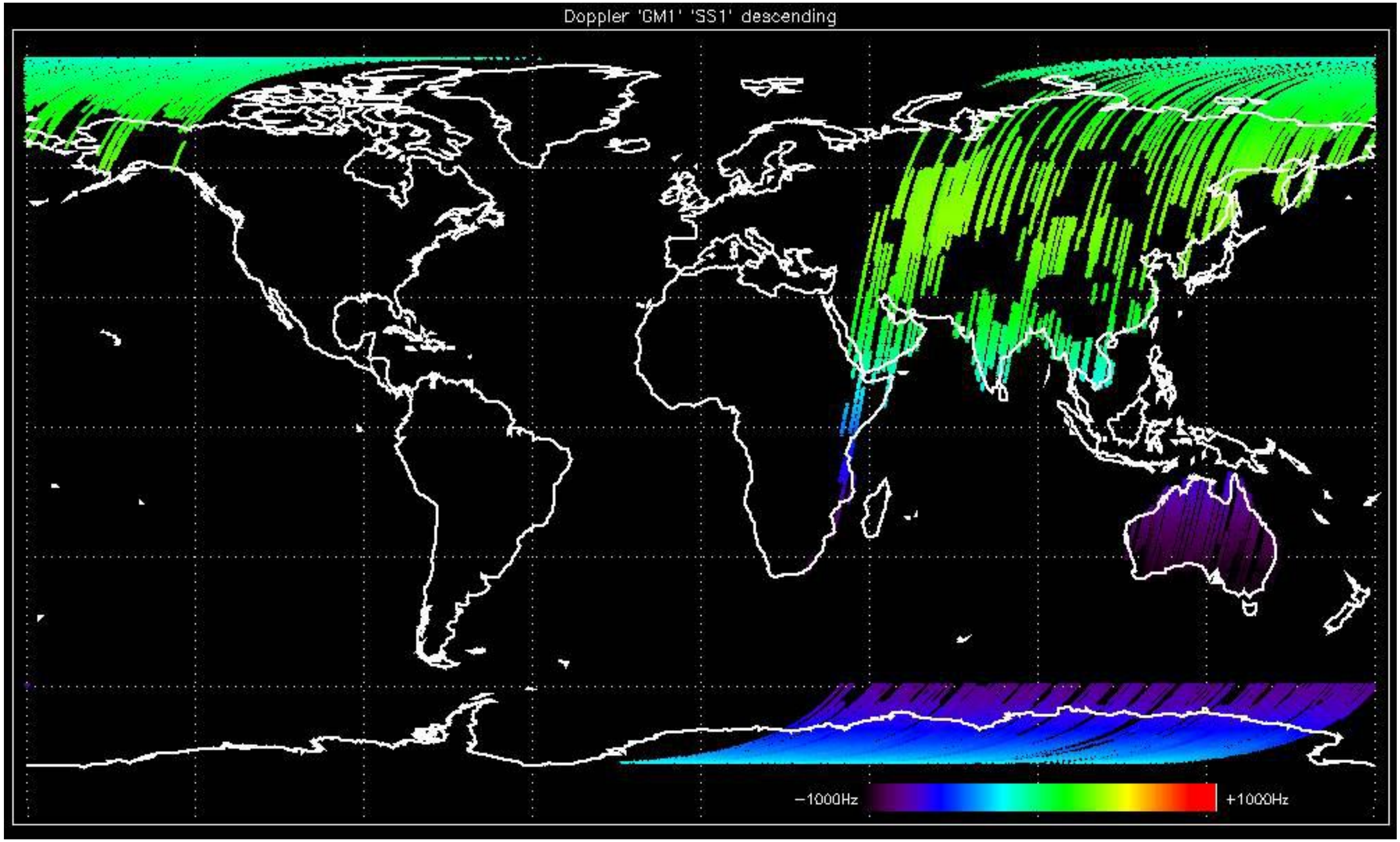

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

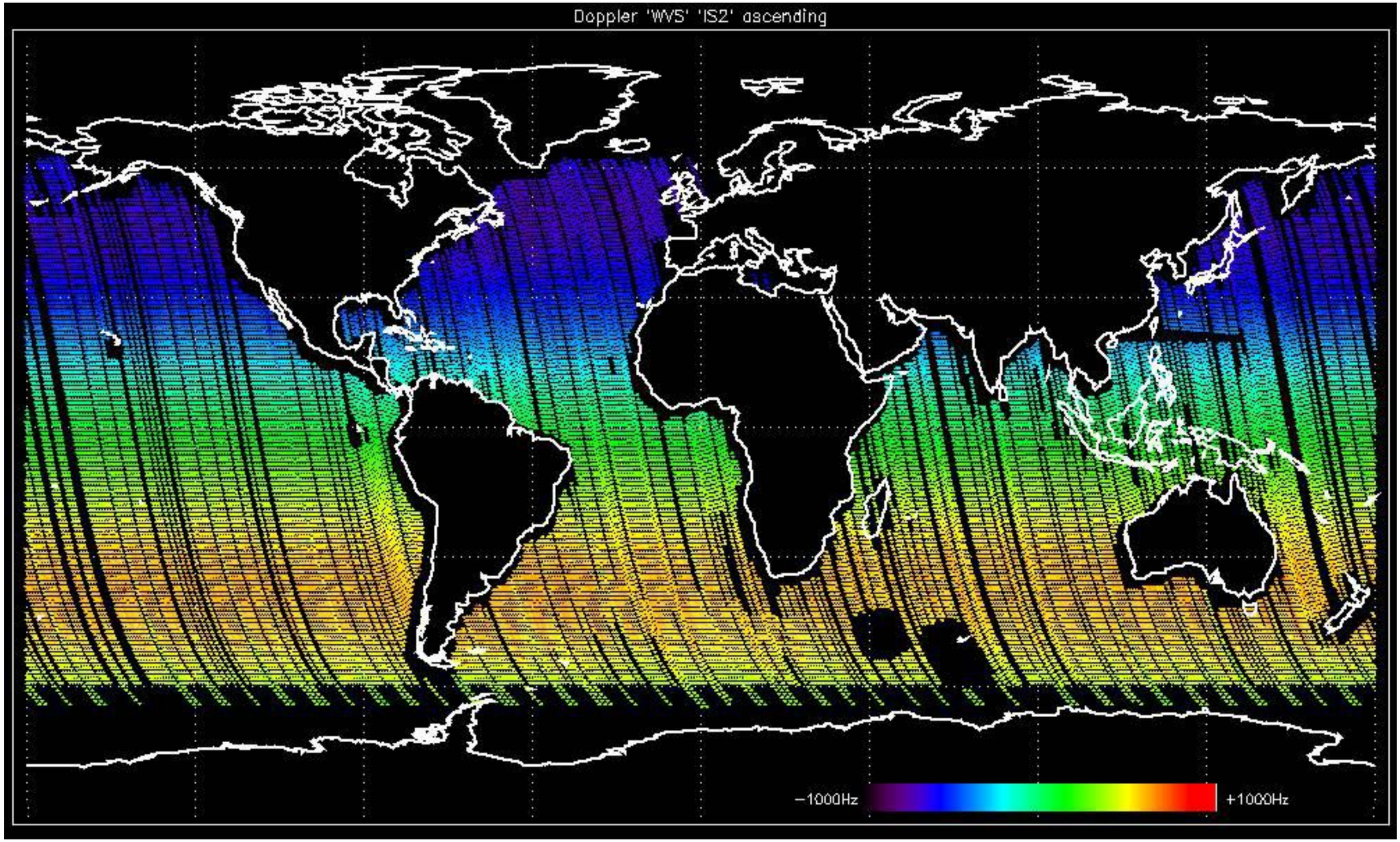

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

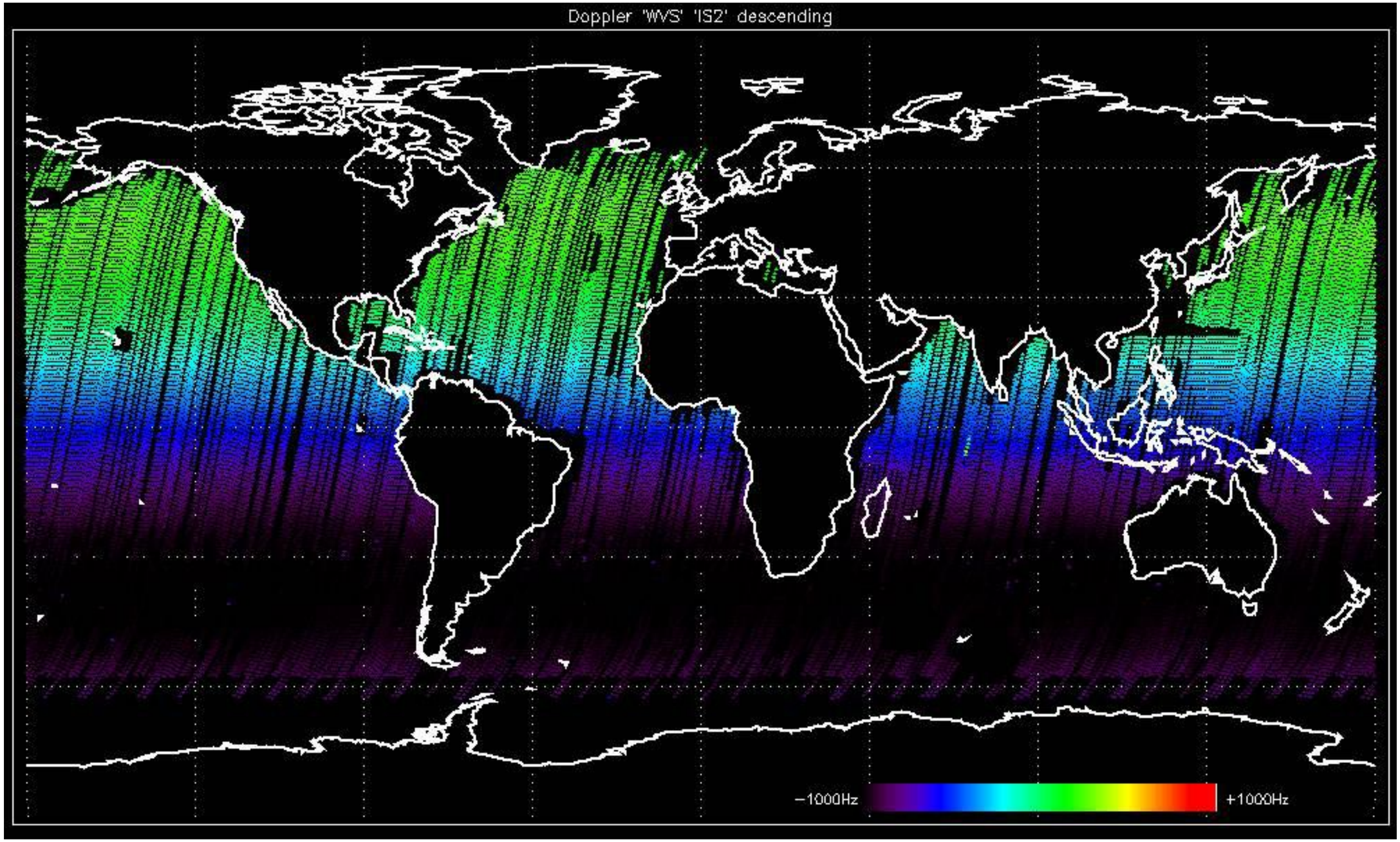
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

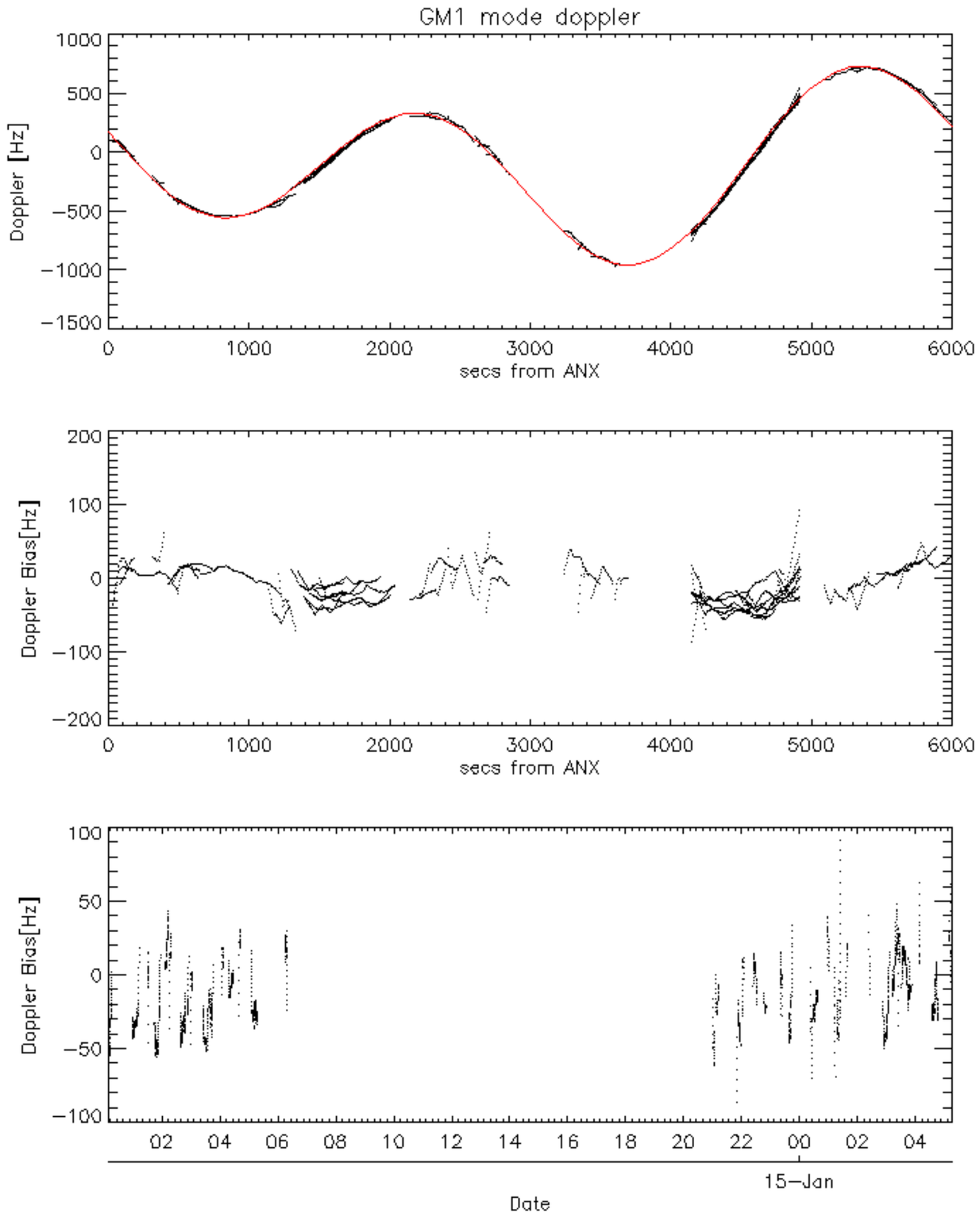
Preliminary report.The data is not yet controled

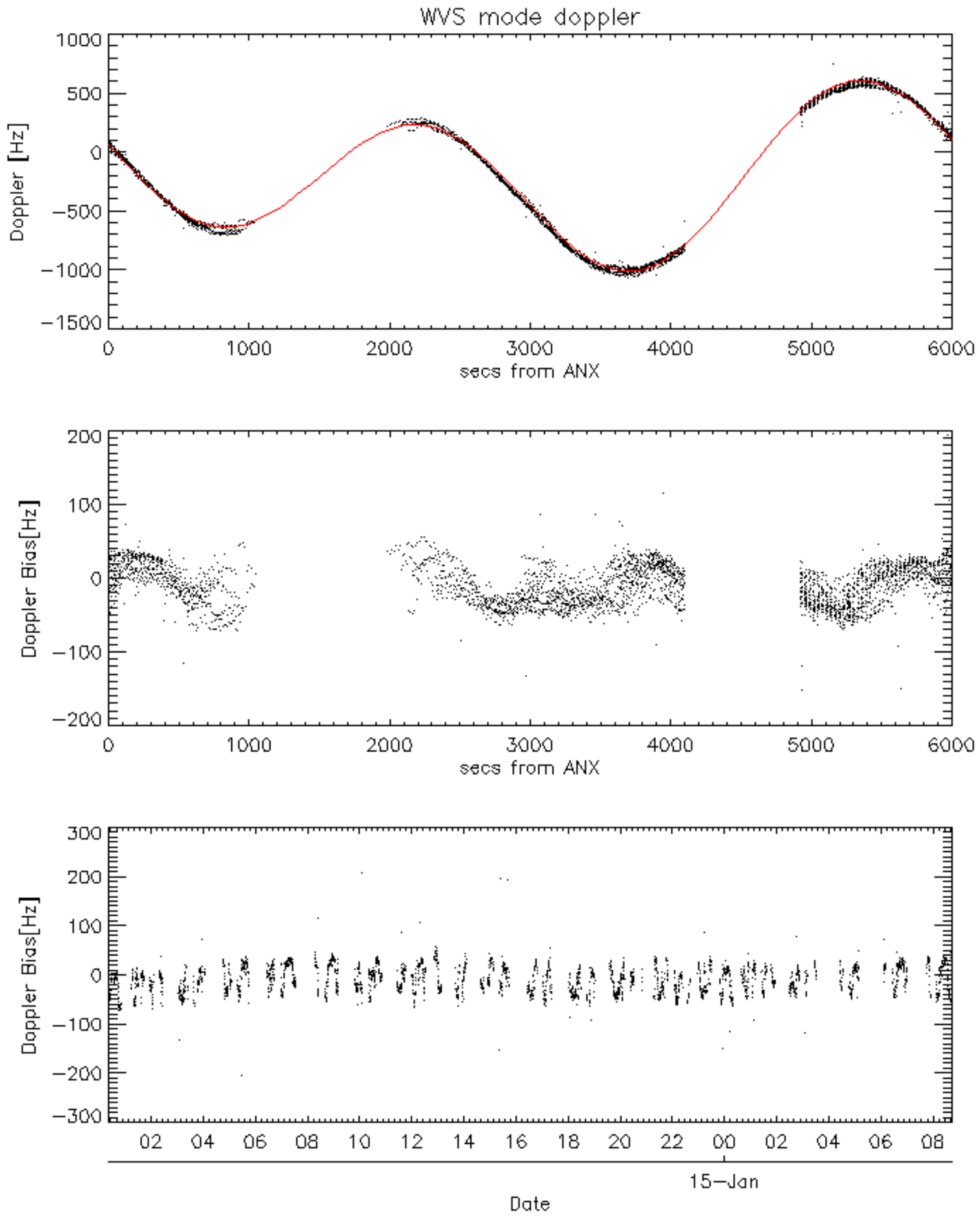

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

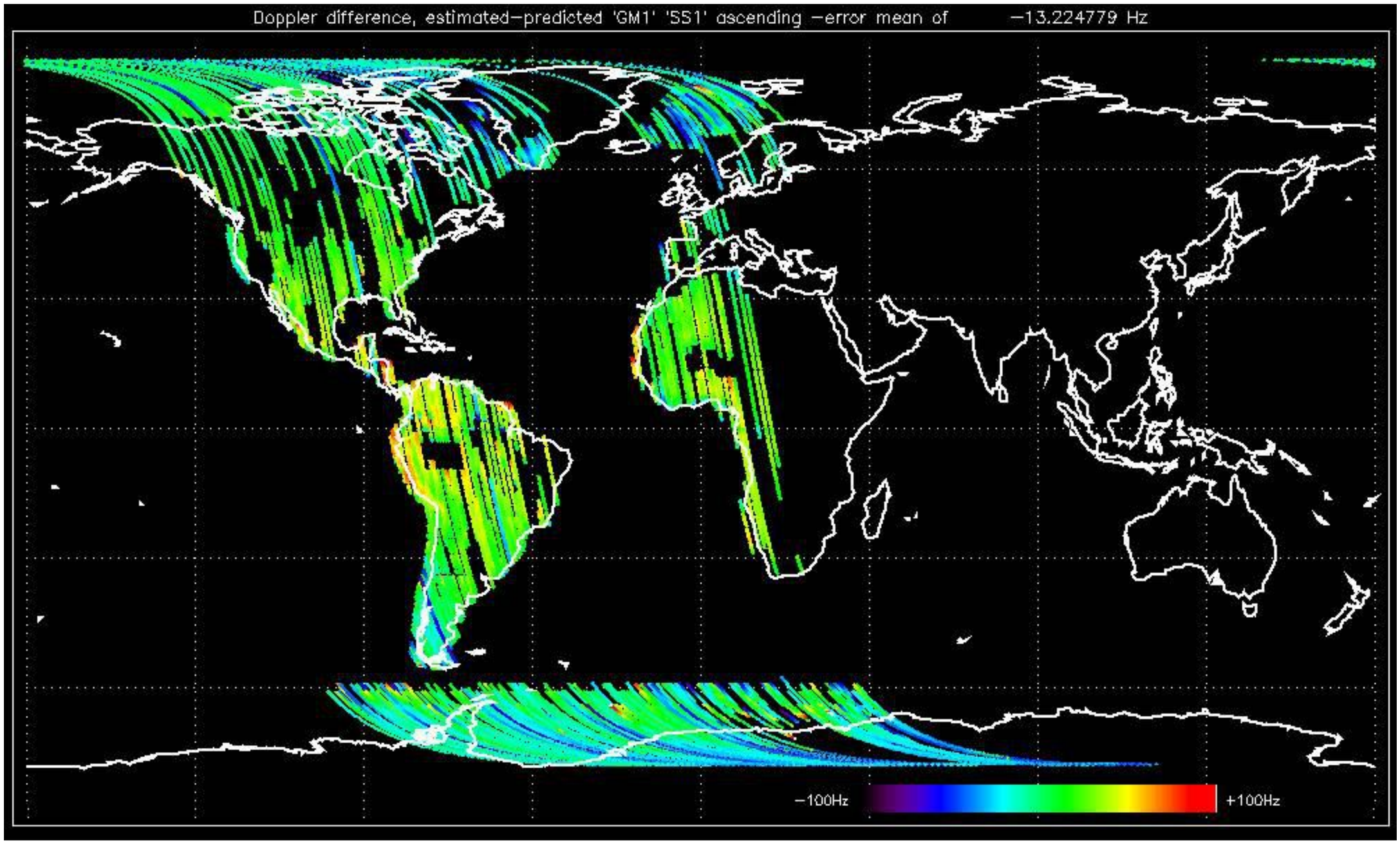

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

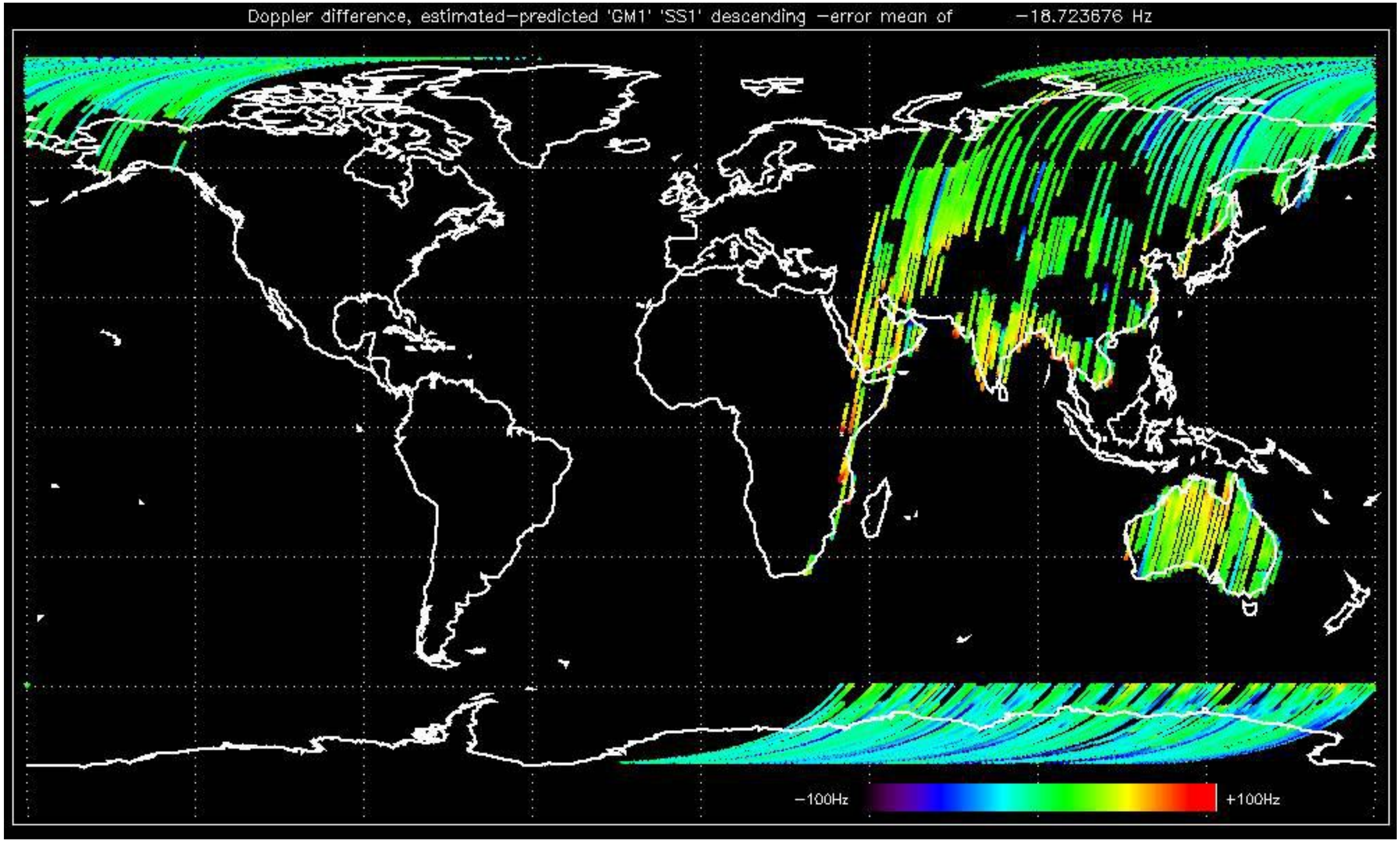

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

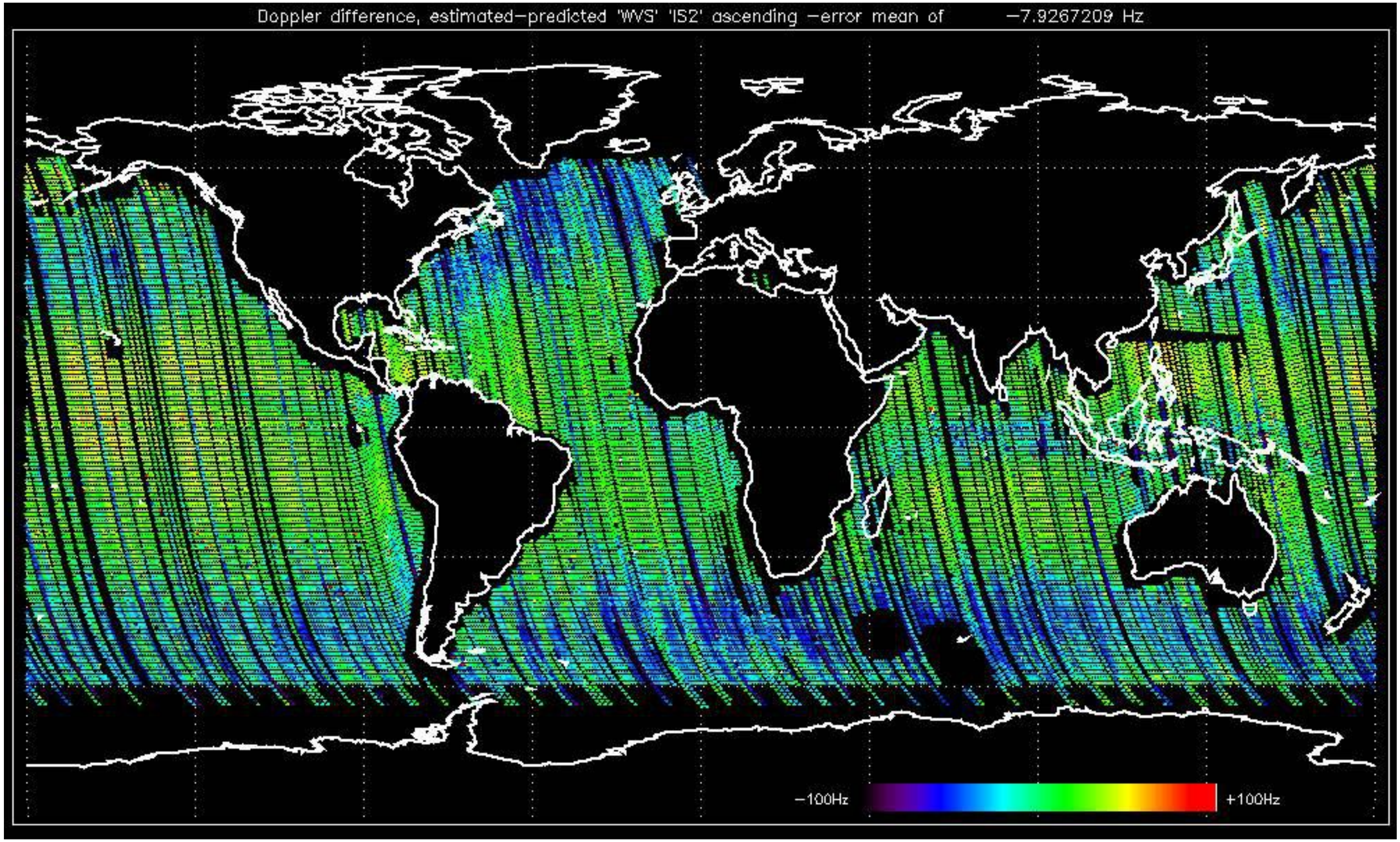

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

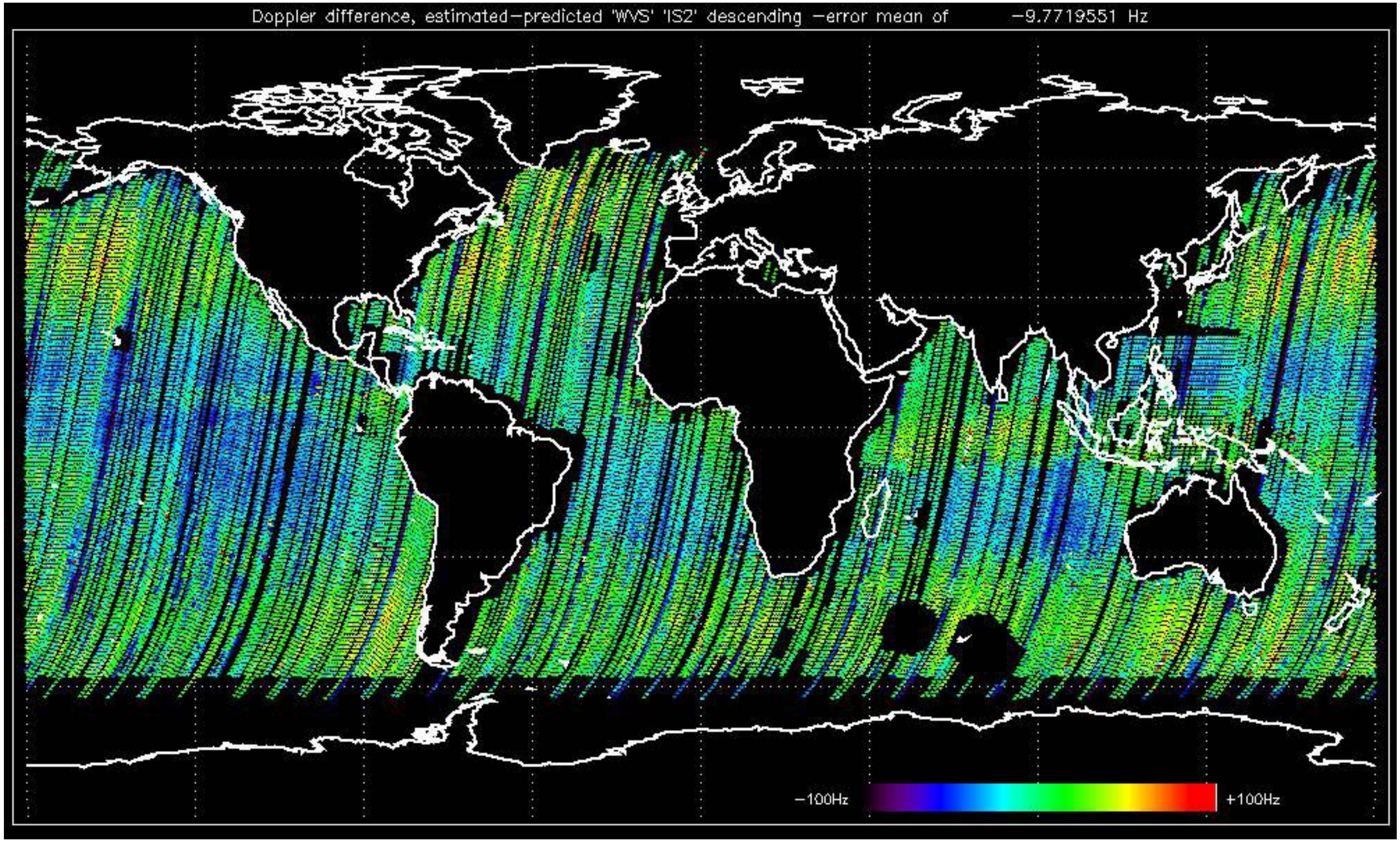

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
15−Jan
Date


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]
300
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
15−Jan
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −13.224779 Hz
−100Hz
+100Hz

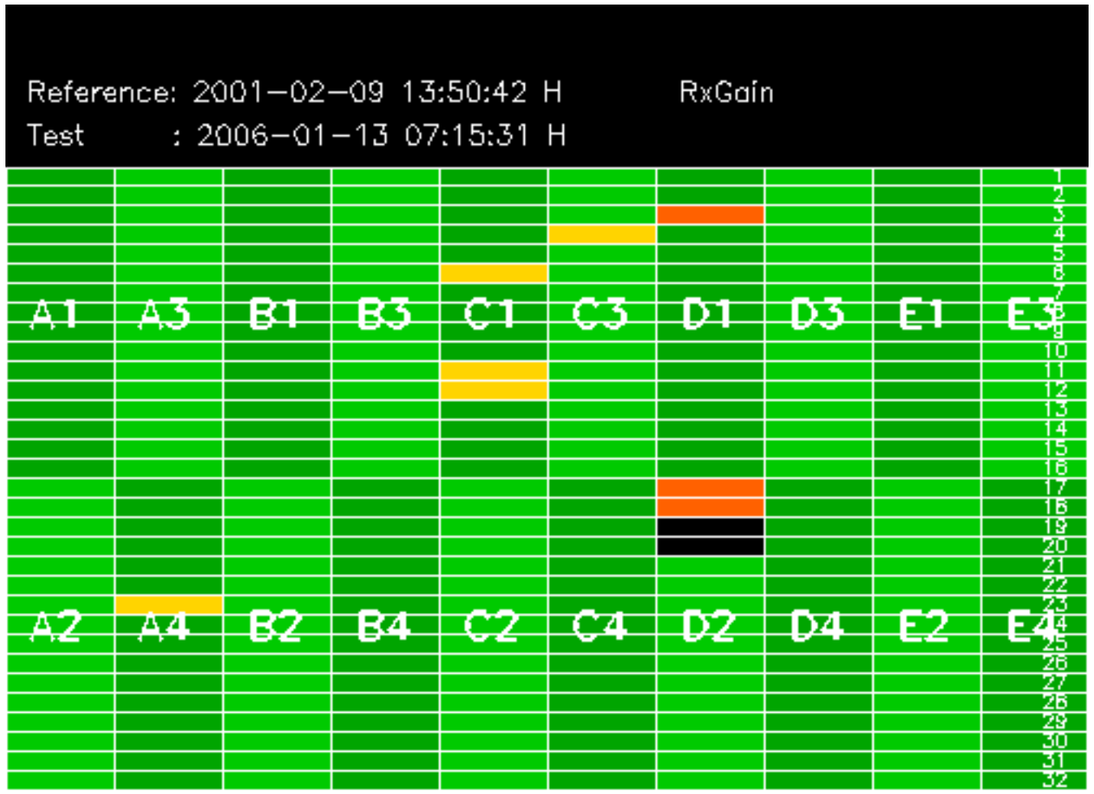

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.723676 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −7.9267209 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −9.7719551 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-01-13 07:15:31 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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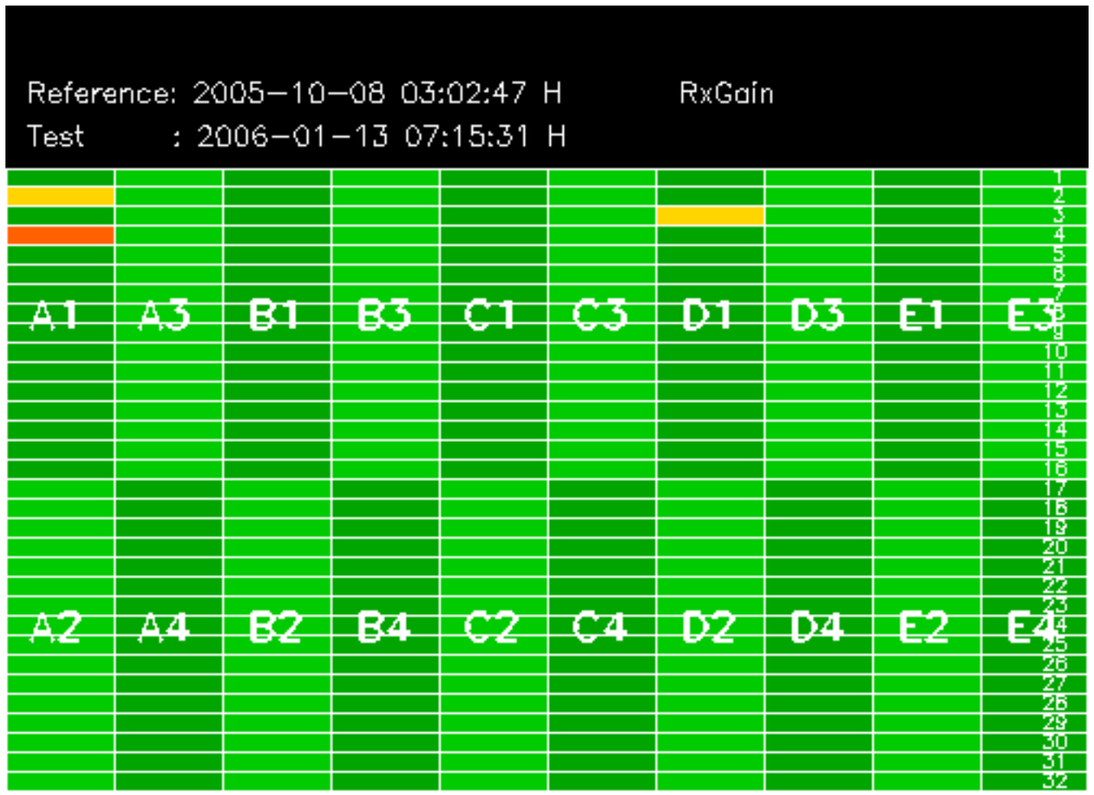
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-13 07:15:31 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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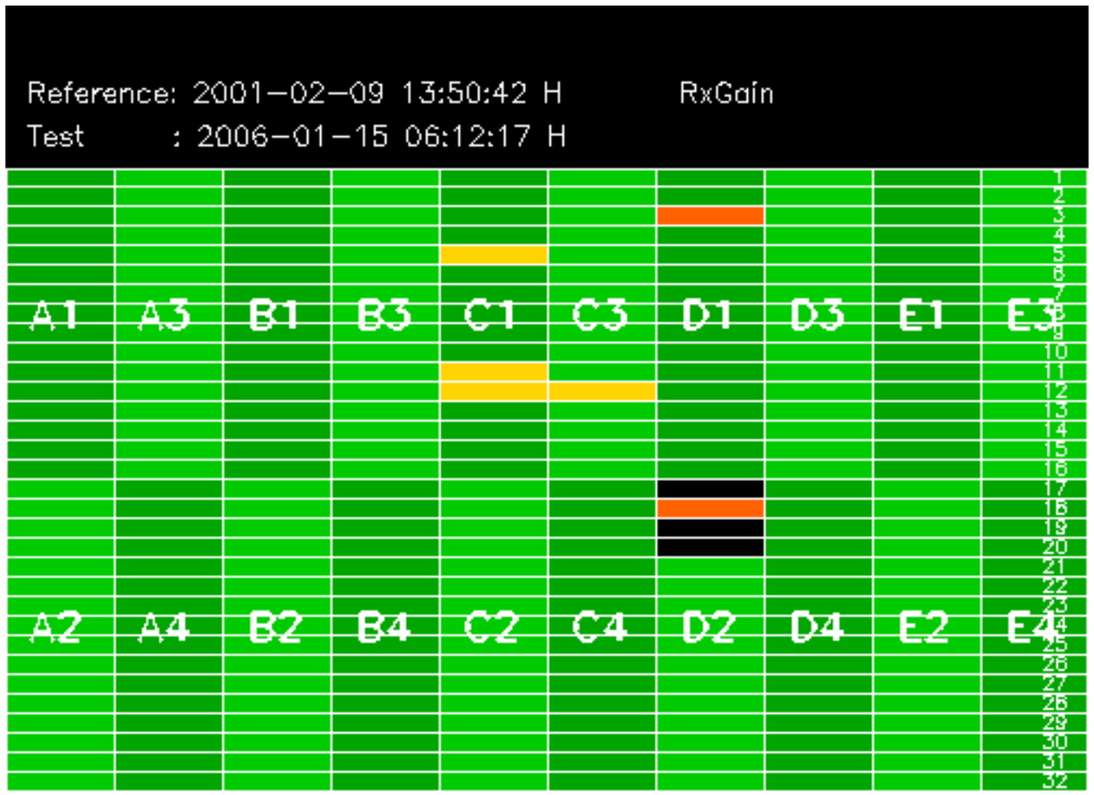
Reference: 2001-02-09 13:50:42 H
Test : 2006-01-15 06:12:17 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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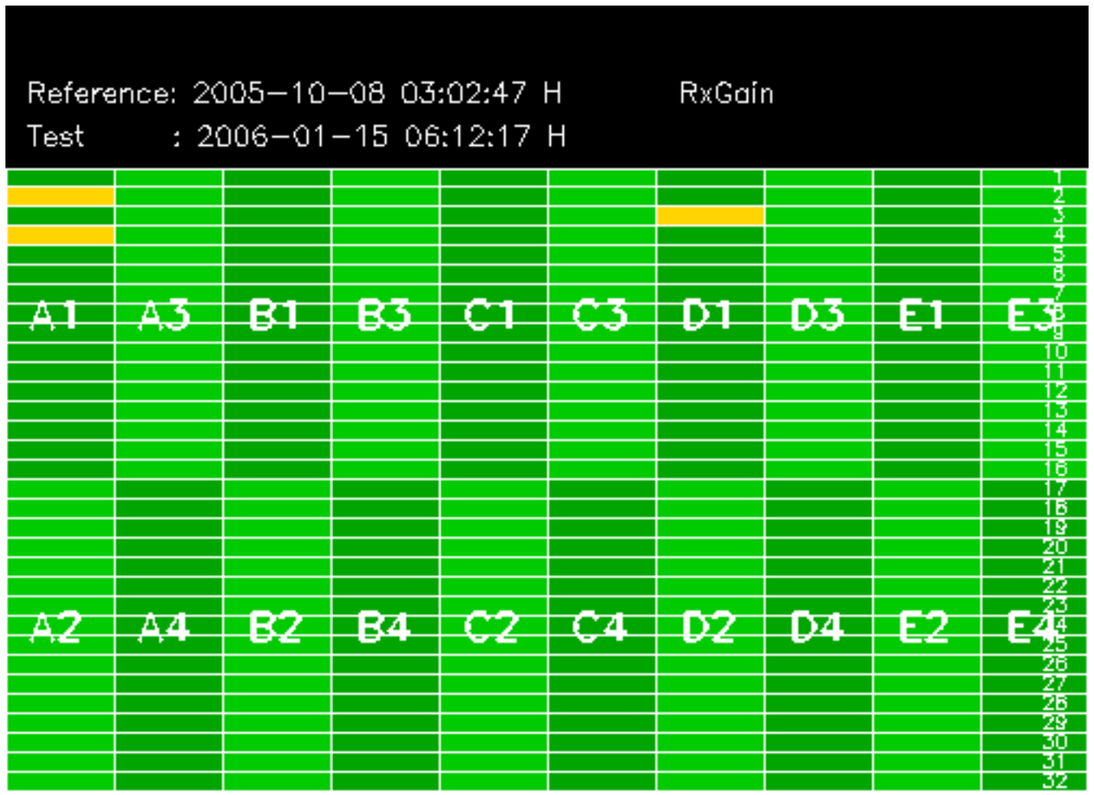
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-15 06:12:17 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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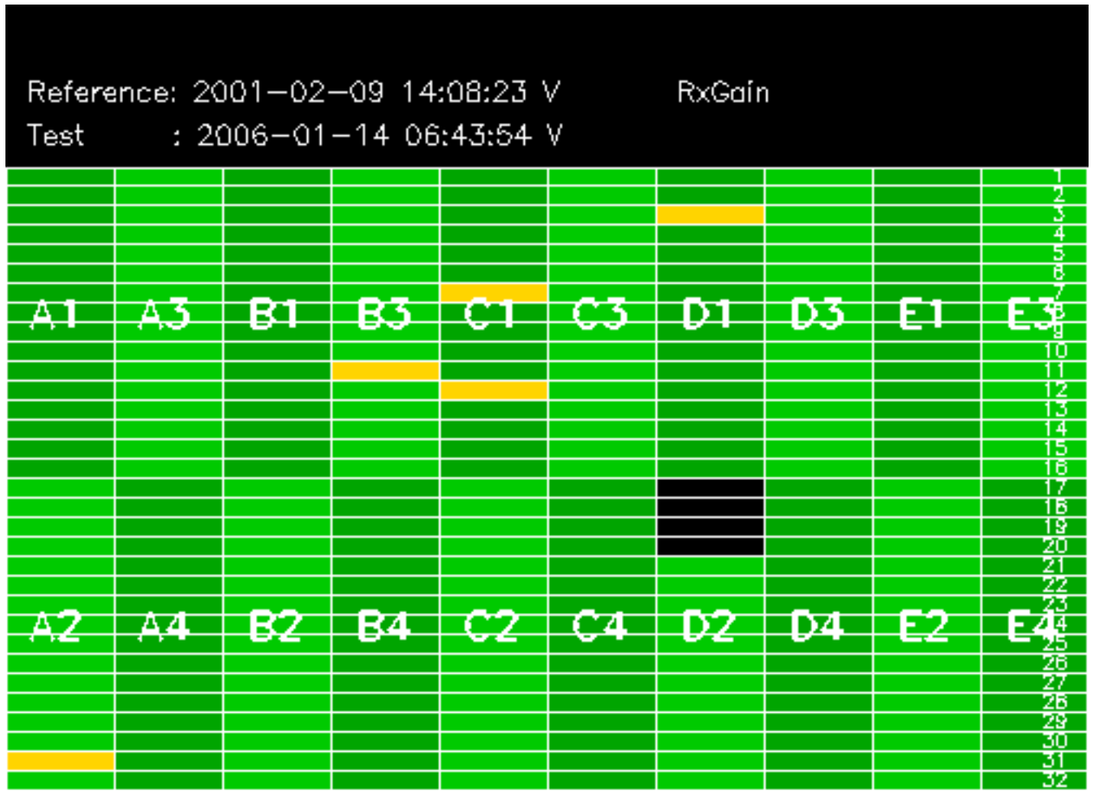
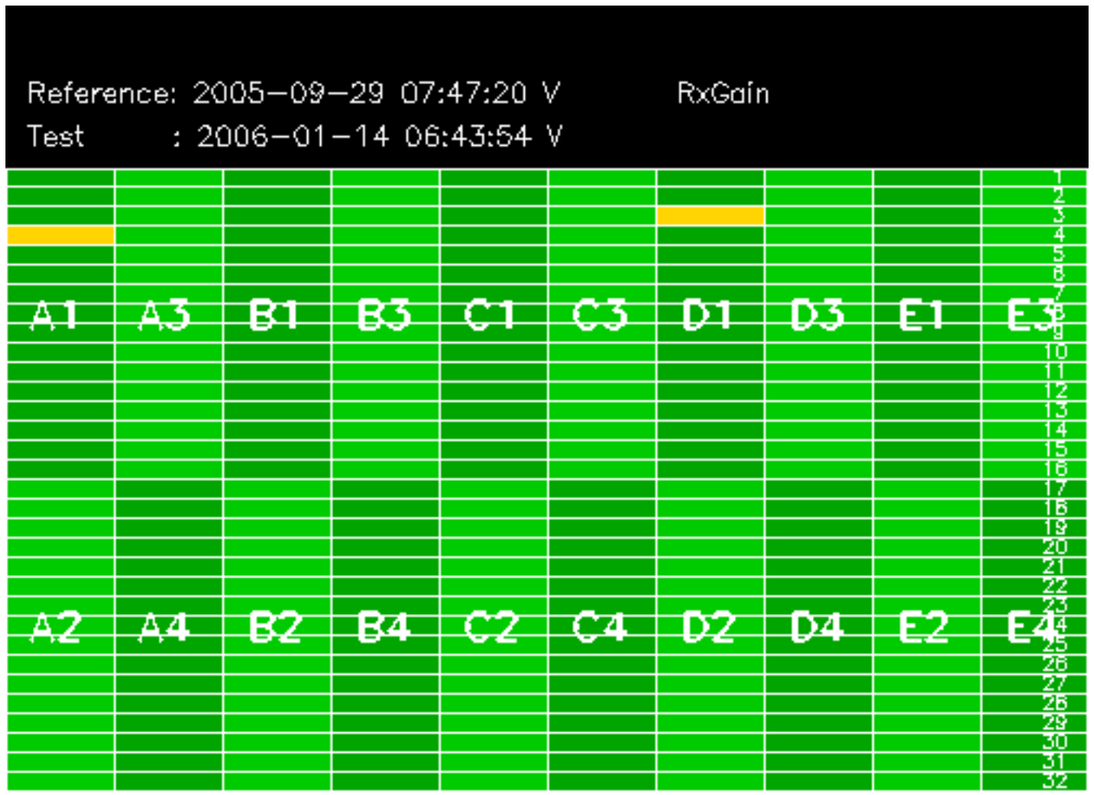

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-01-14 06:43:54 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-01-14 06:43:54 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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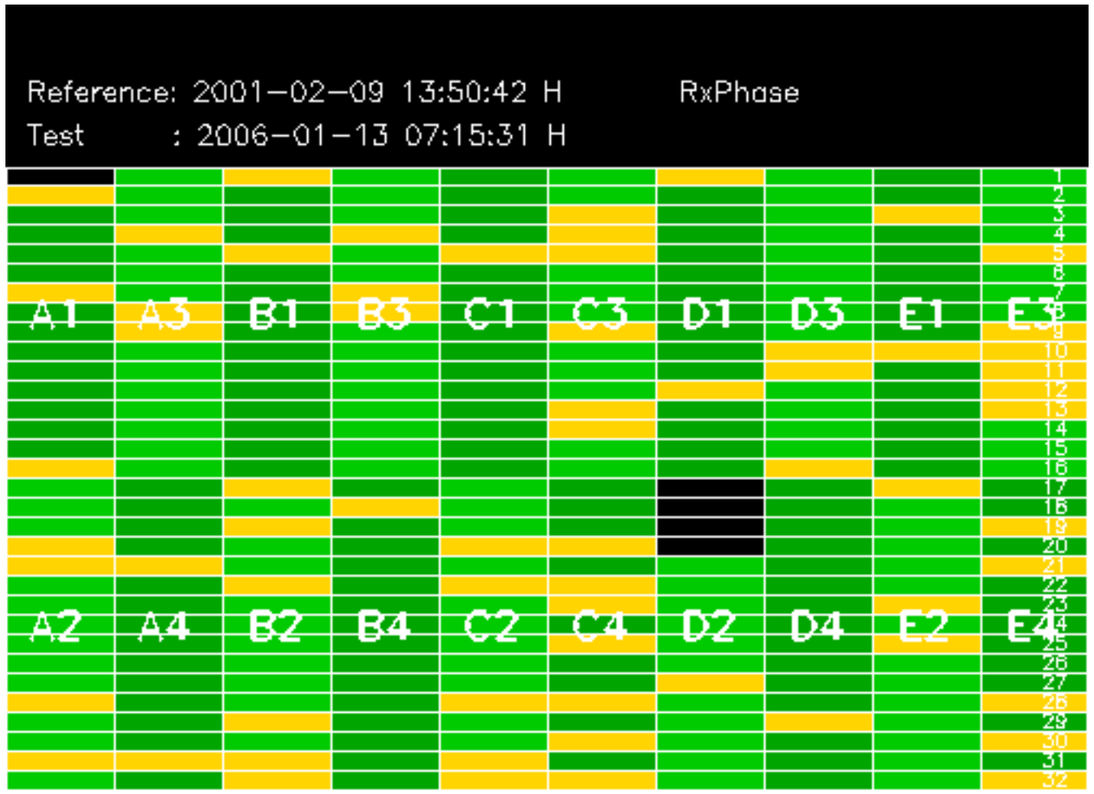
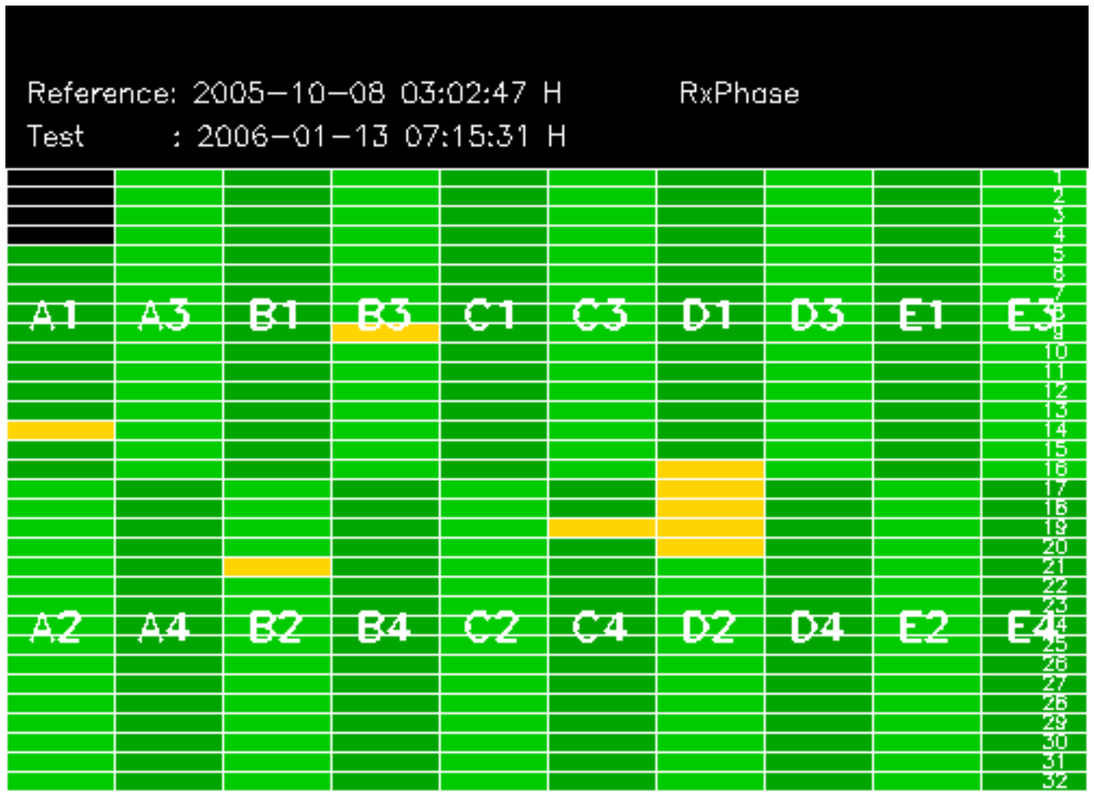

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-01-13 07:15:31 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-01-13 07:15:31 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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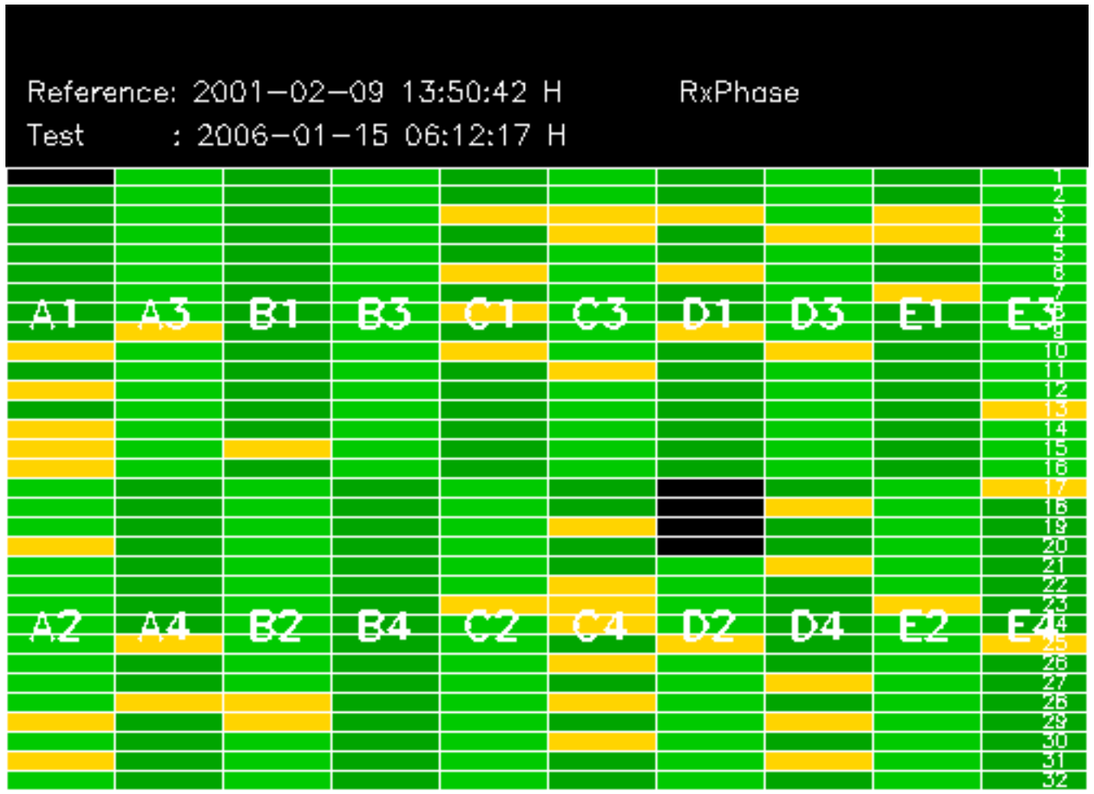
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-01-15 06:12:17 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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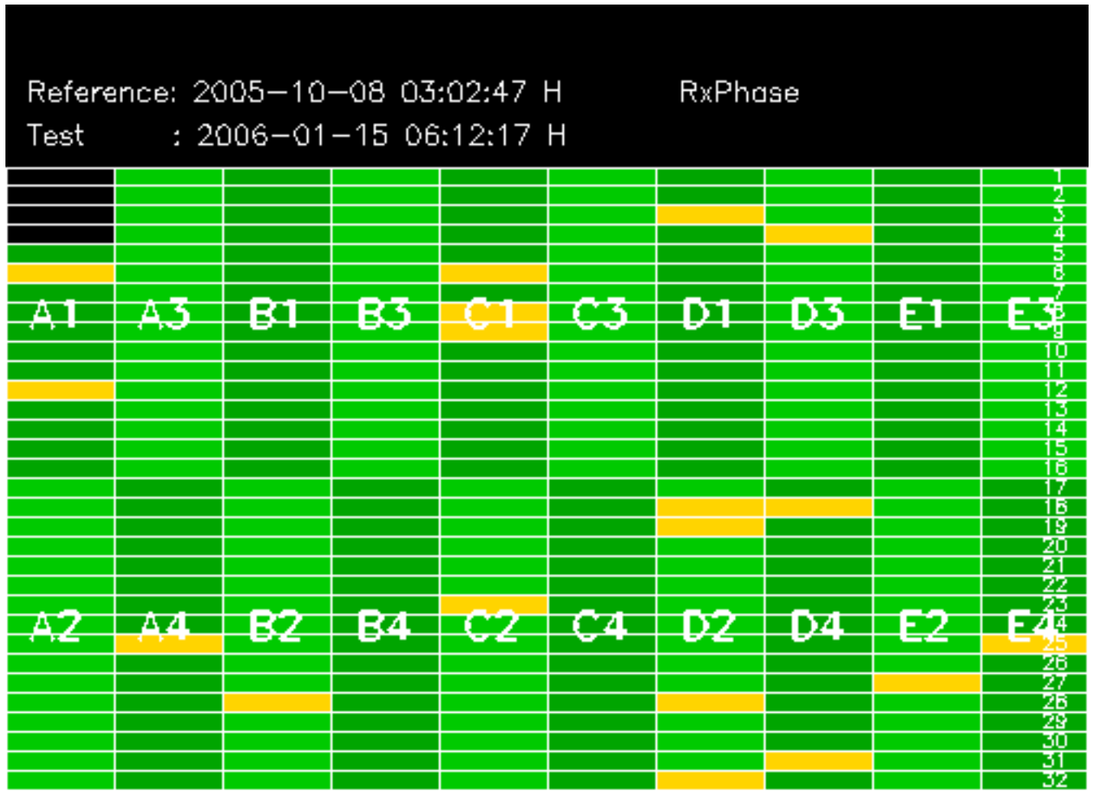
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-01-15 06:12:17 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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C4
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D4
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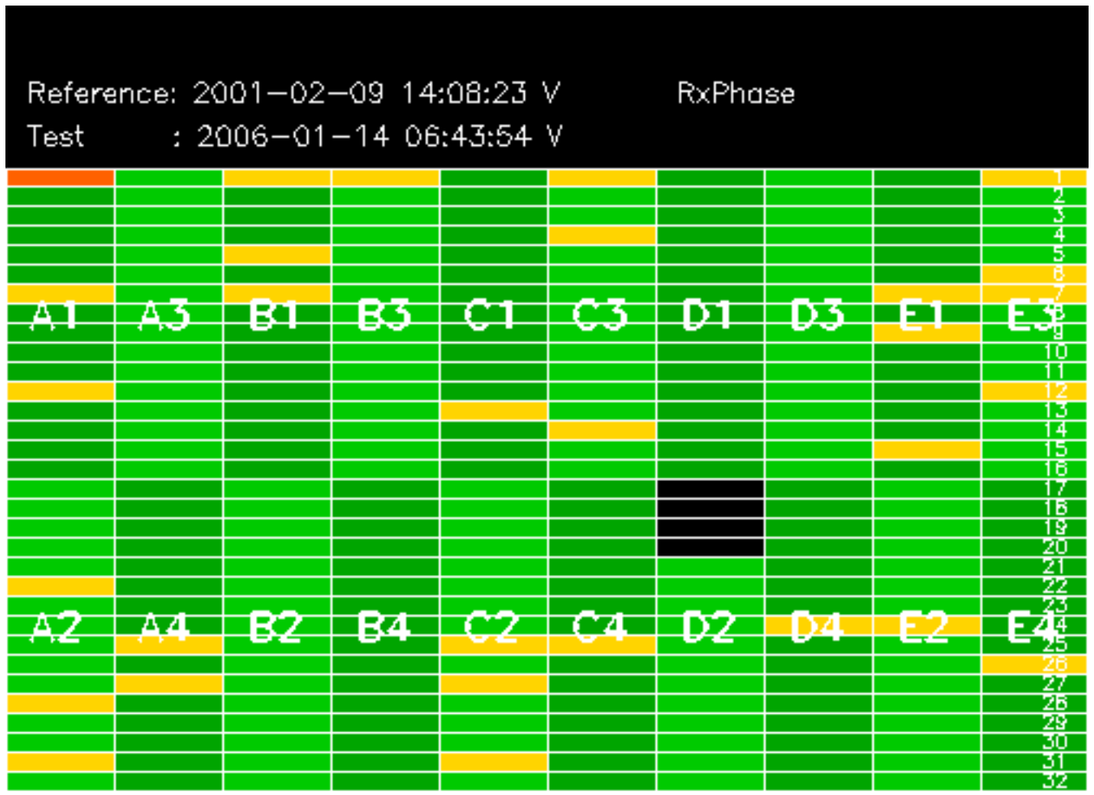
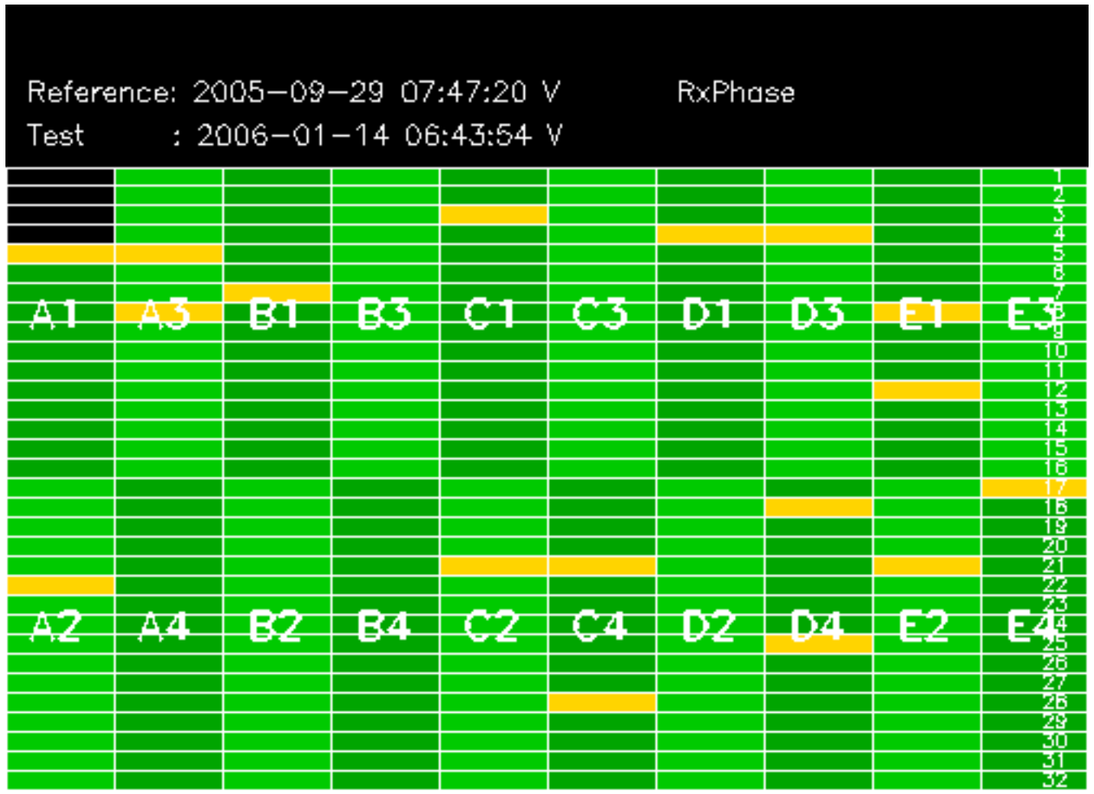

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-01-14 06:43:54 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-01-14 06:43:54 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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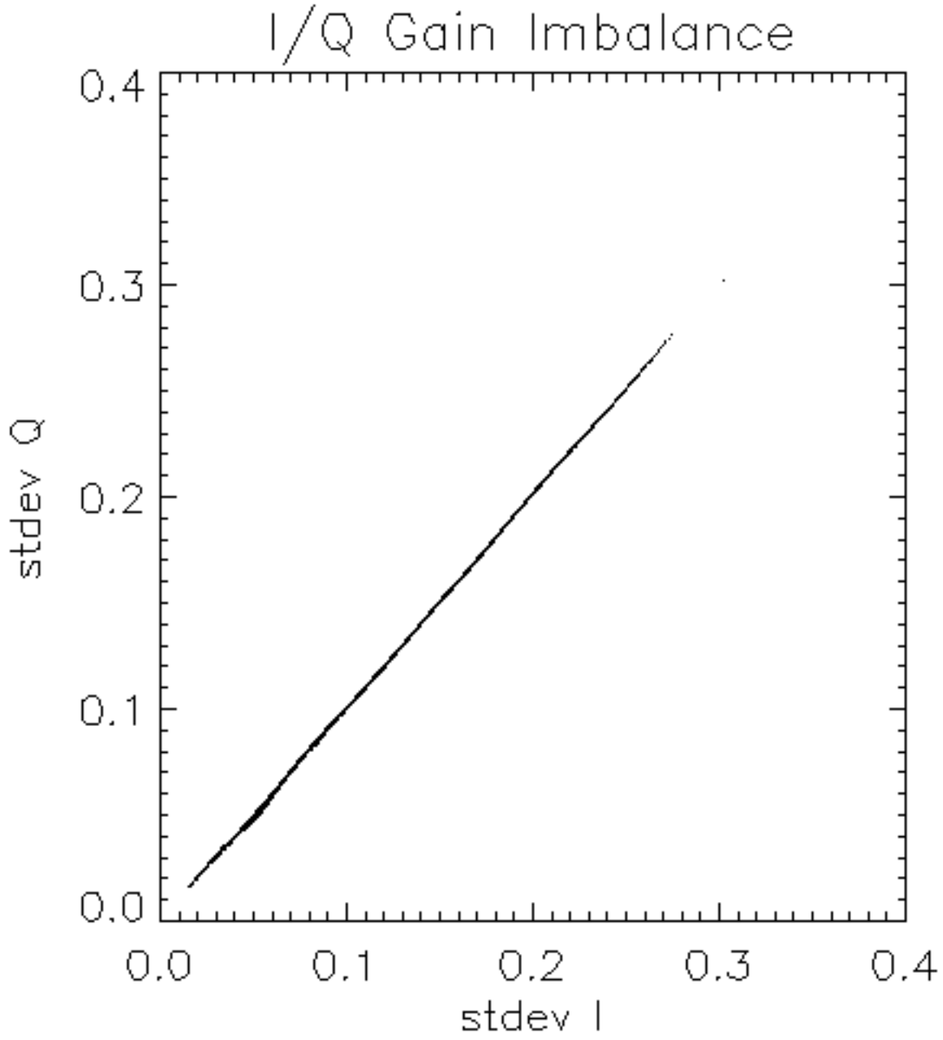
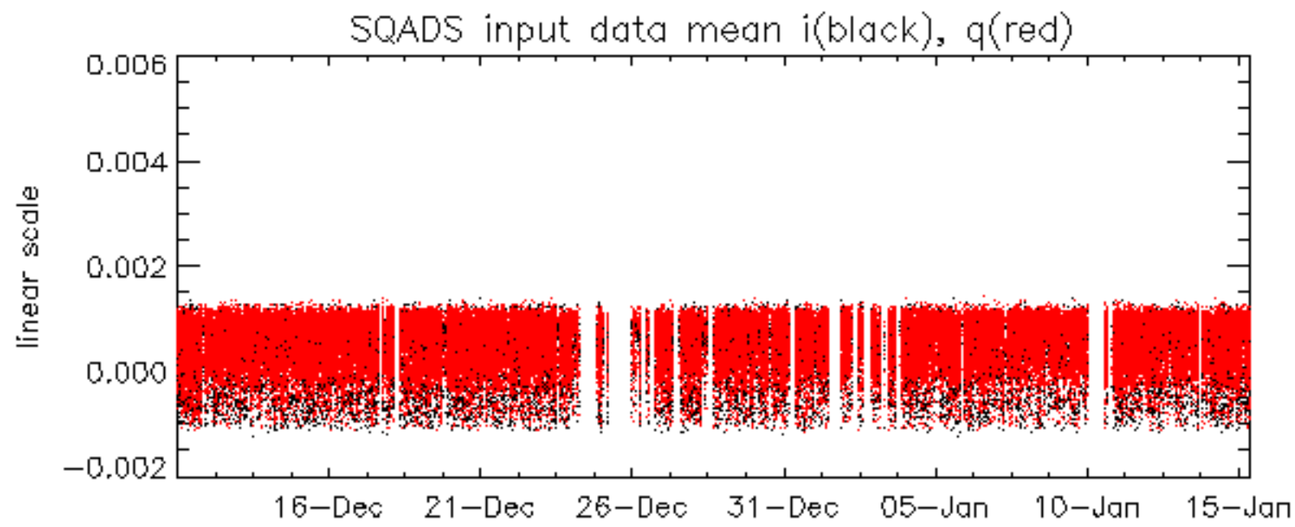
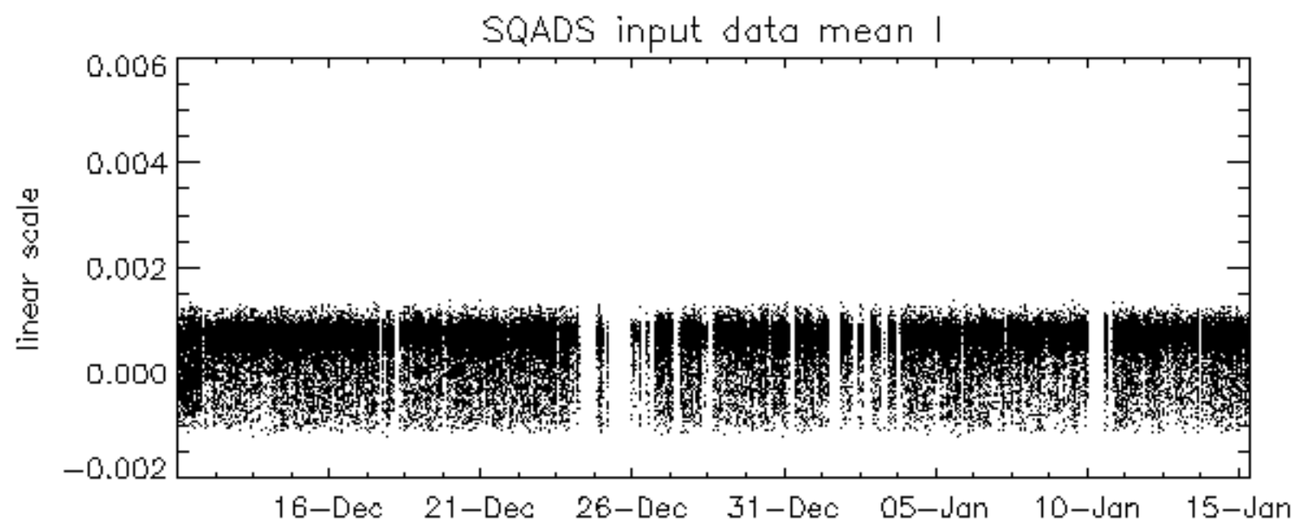
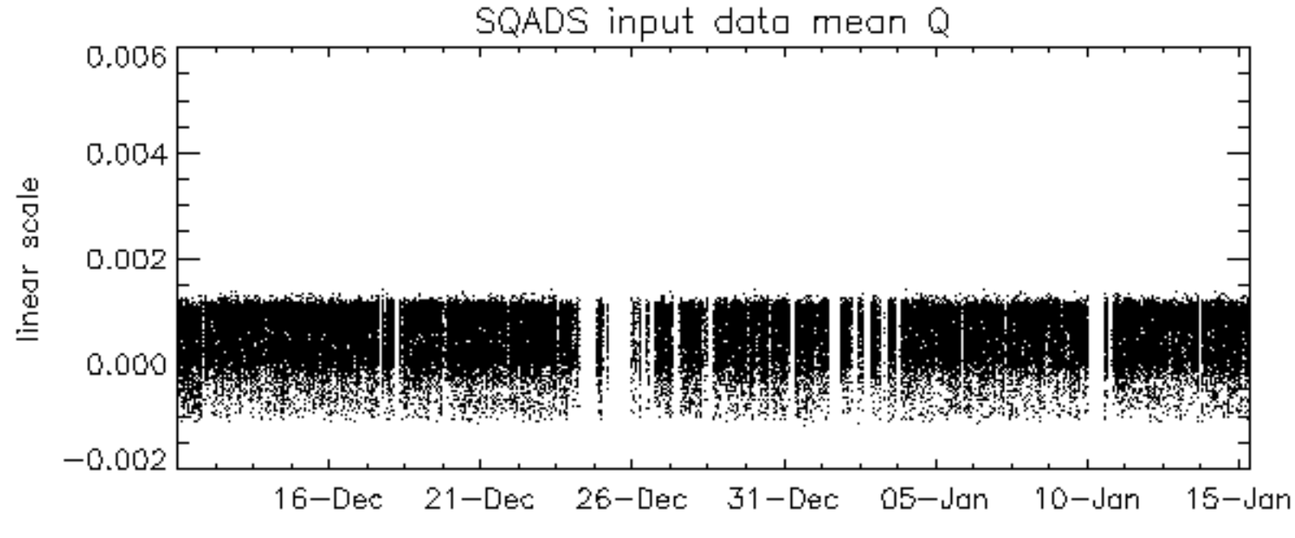
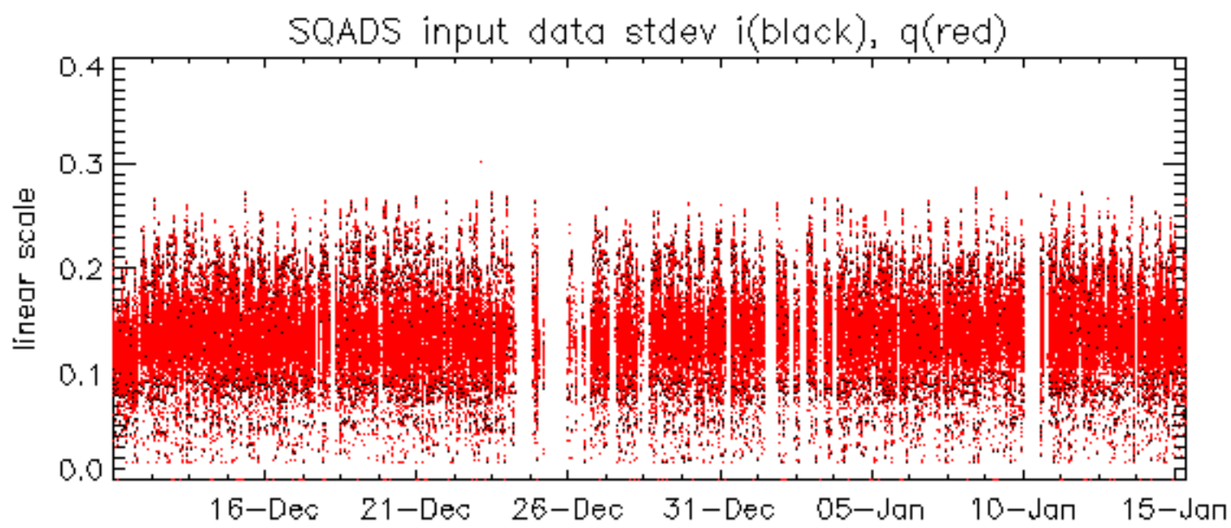
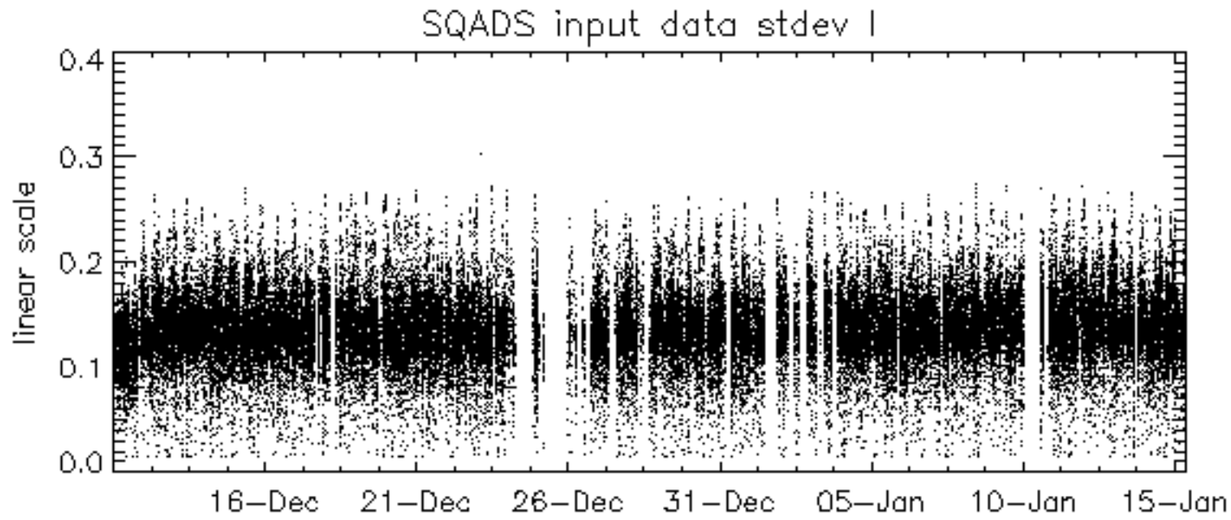

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

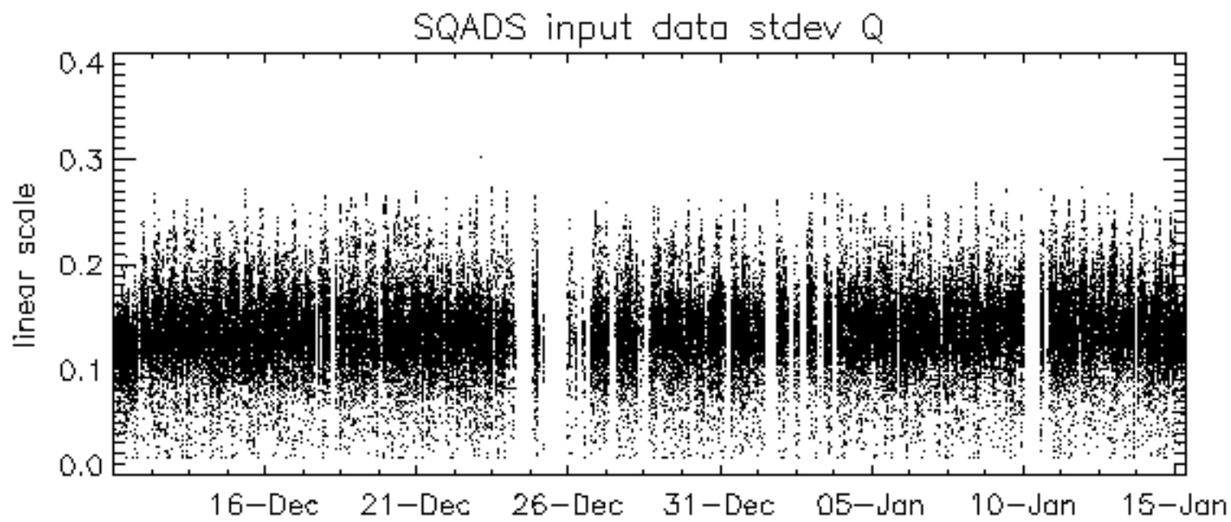

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan

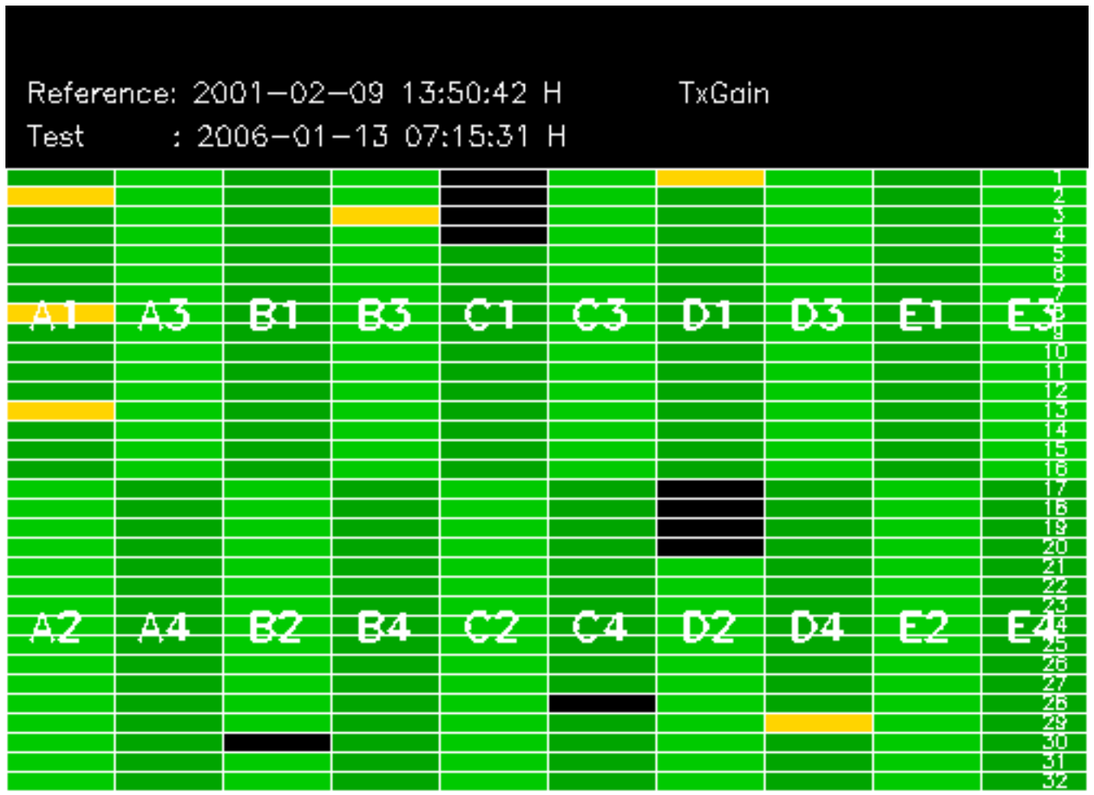

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan


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


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan


Reference: 2001-02-09 13:50:42 H
Test : 2006-01-13 07:15:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
C2
C4
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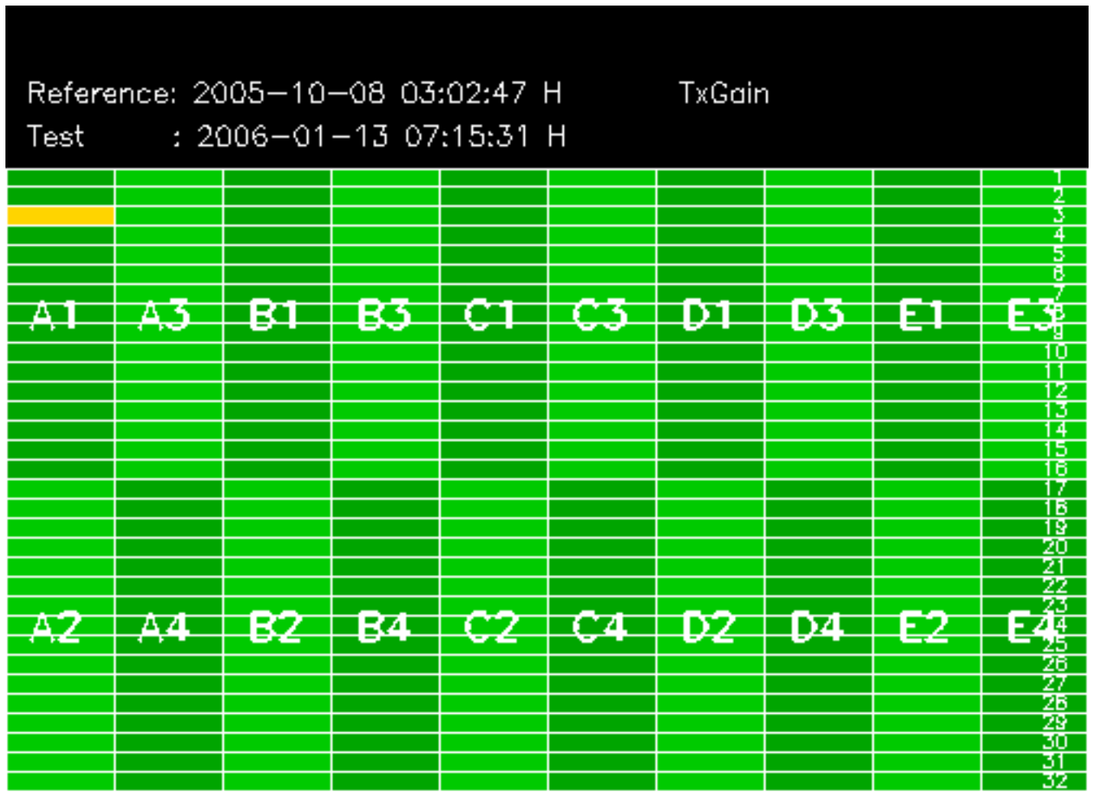
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-13 07:15:31 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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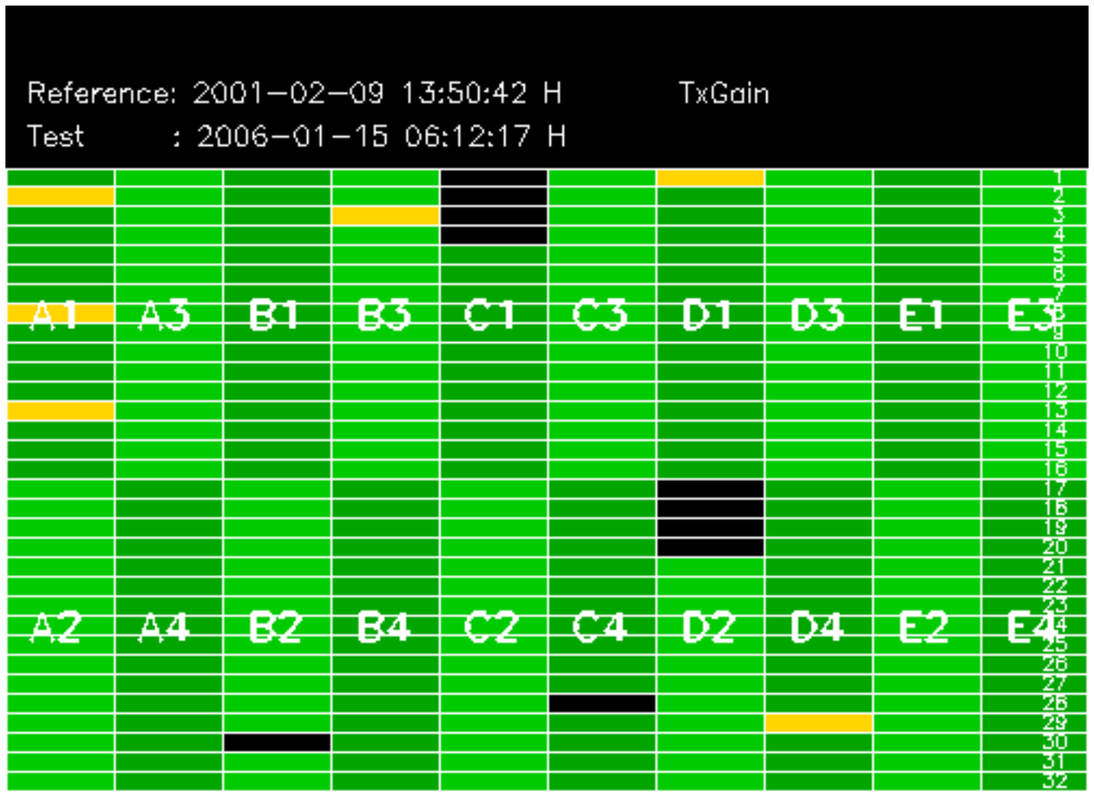
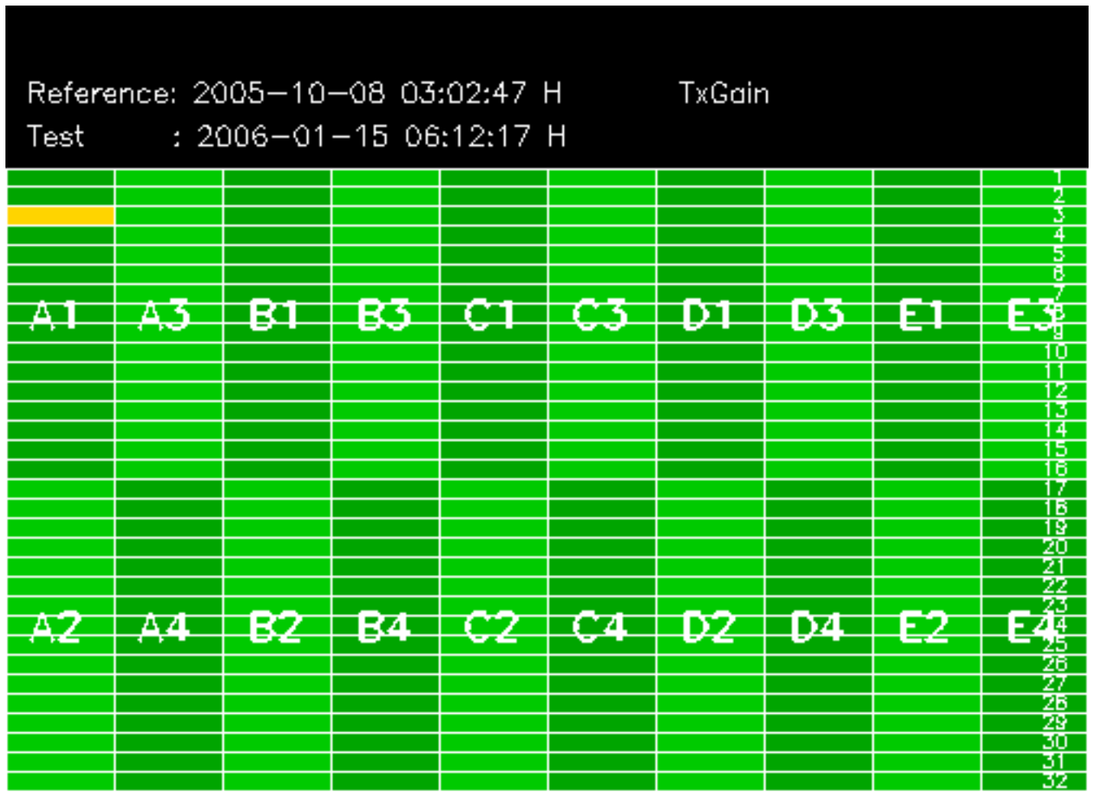

Reference: 2001-02-09 13:50:42 H
Test : 2006-01-15 06:12:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-01-15 06:12:17 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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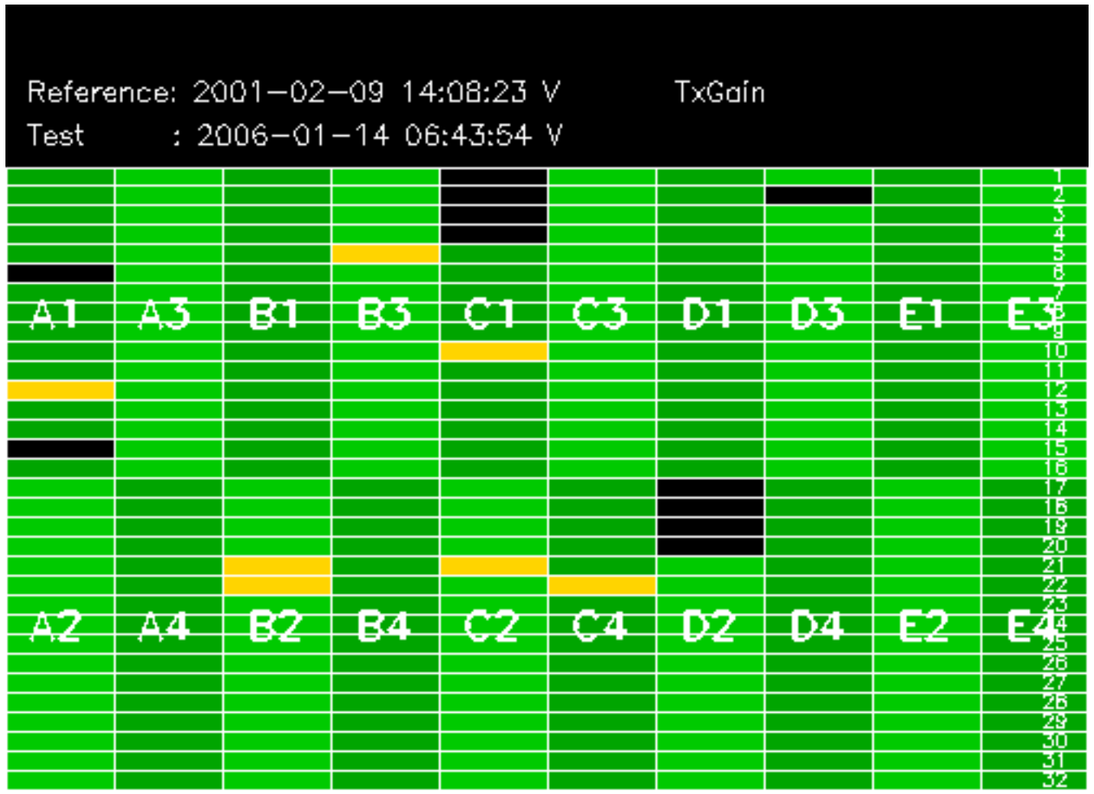
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-14 06:43:54 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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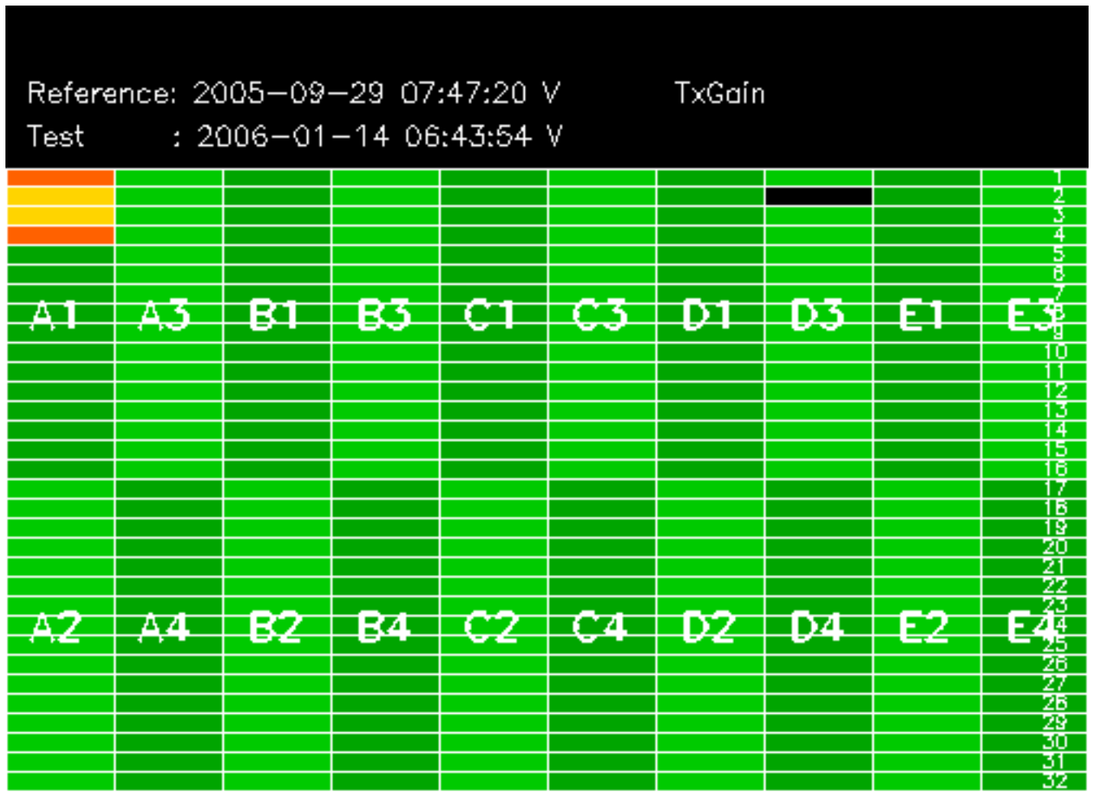
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-14 06:43:54 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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Summary of analysis for the last 3 days 2006011[345]
The assumptions is taken 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_1PNPDE20060113_042639_000000522044_00147_20241_0106.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060114_003120_000001252044_00159_20253_0148.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060115_004048_000000622044_00174_20268_0186.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060114_112252_000001292044_00166_20260_0554.N1 </td> <td>0 </td> <td>46 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060114_112252_000001652044_00166_20260_0558.N1 </td> <td>0 </td> <td>46 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060114_172239_000001842044_00170_20264_0582.N1 </td> <td>0 </td> <td>3 </td></tr>
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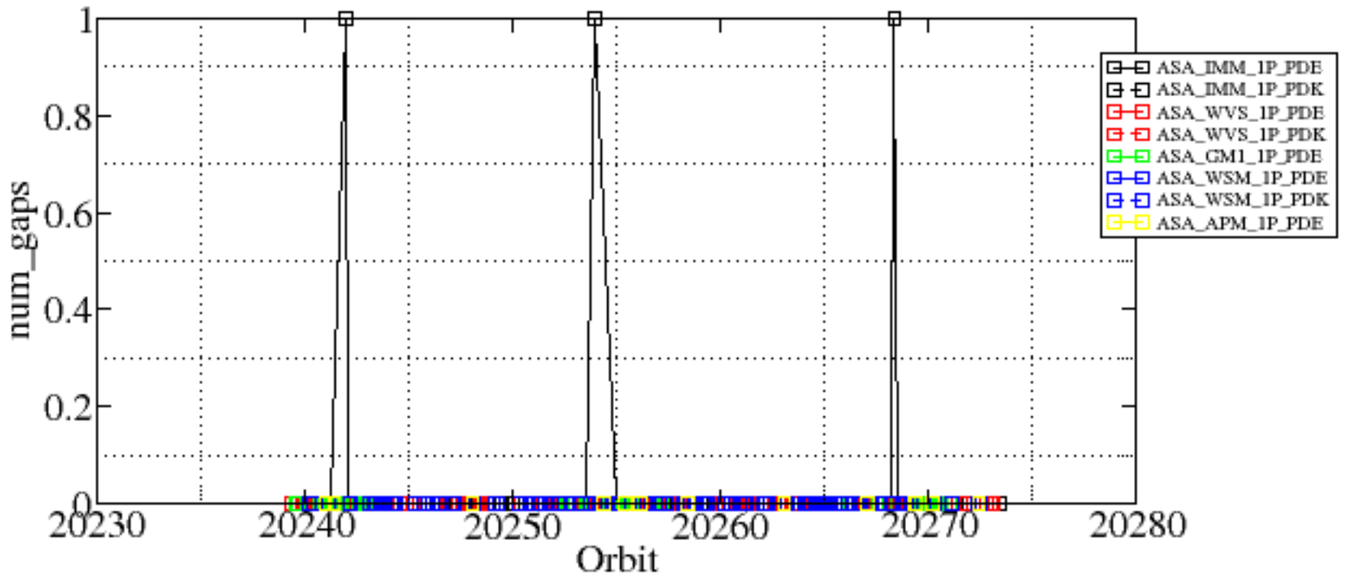
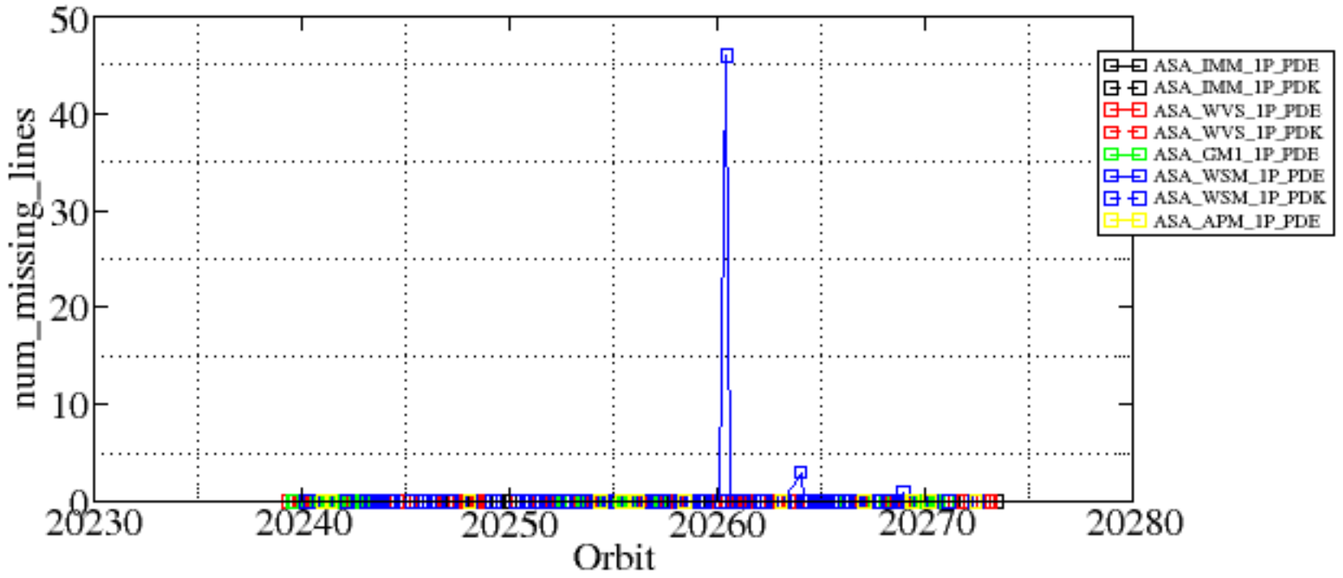
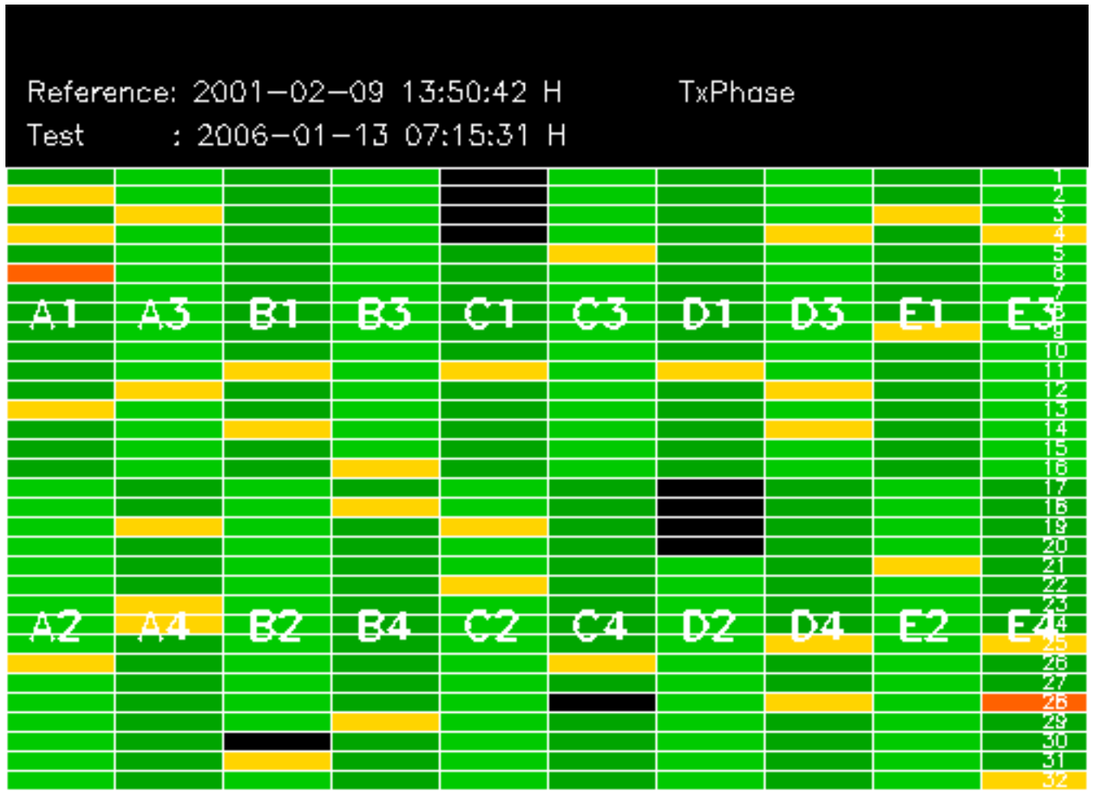
</table>


num_gaps
Orbit
1
0.8
0.6
0.4
0.2
0
20230
20240
20250
20260
20270
20280
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
Orbit
50
40
30
20
10
0
20230
20240
20250
20260
20270
20280
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 : 2006-01-13 07:15:31 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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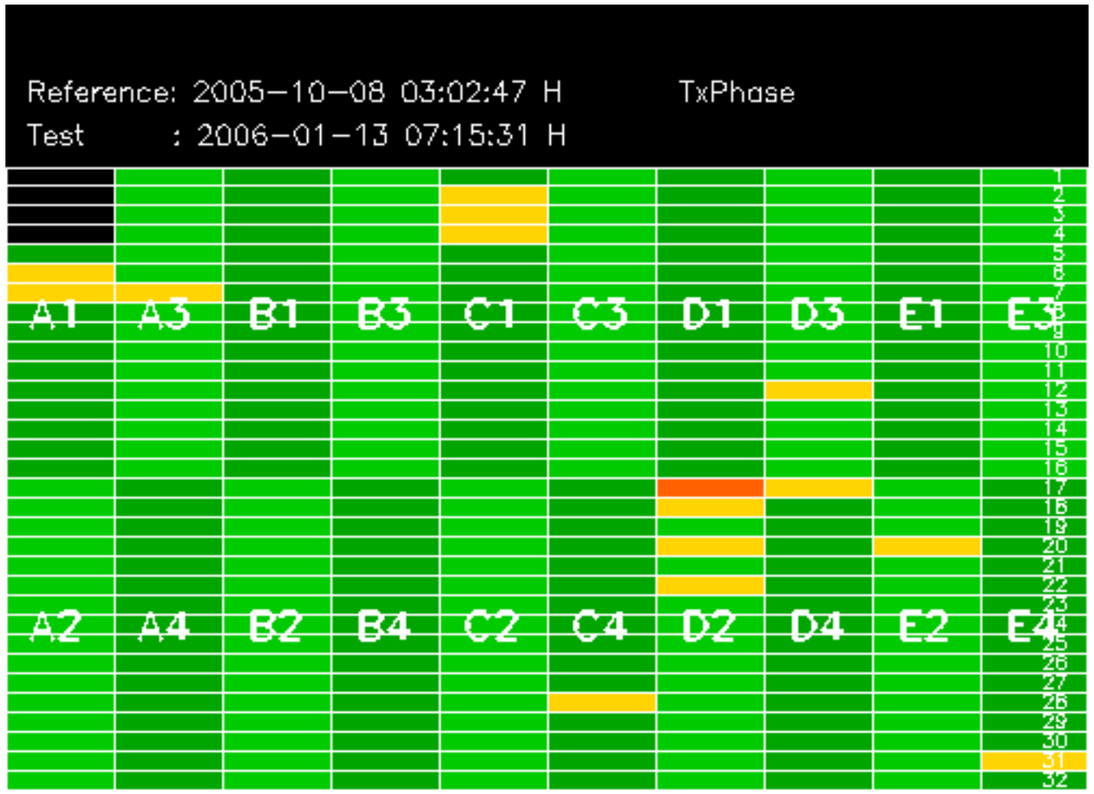
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-13 07:15:31 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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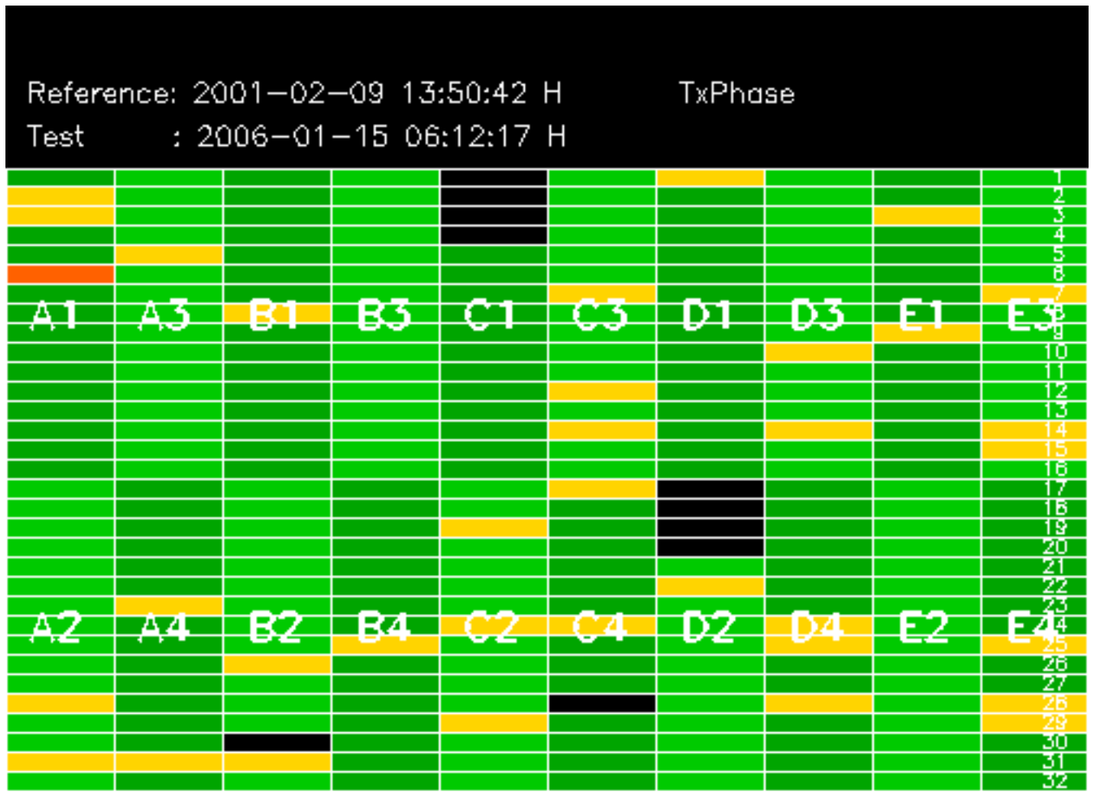
Reference: 2001-02-09 13:50:42 H
Test : 2006-01-15 06:12:17 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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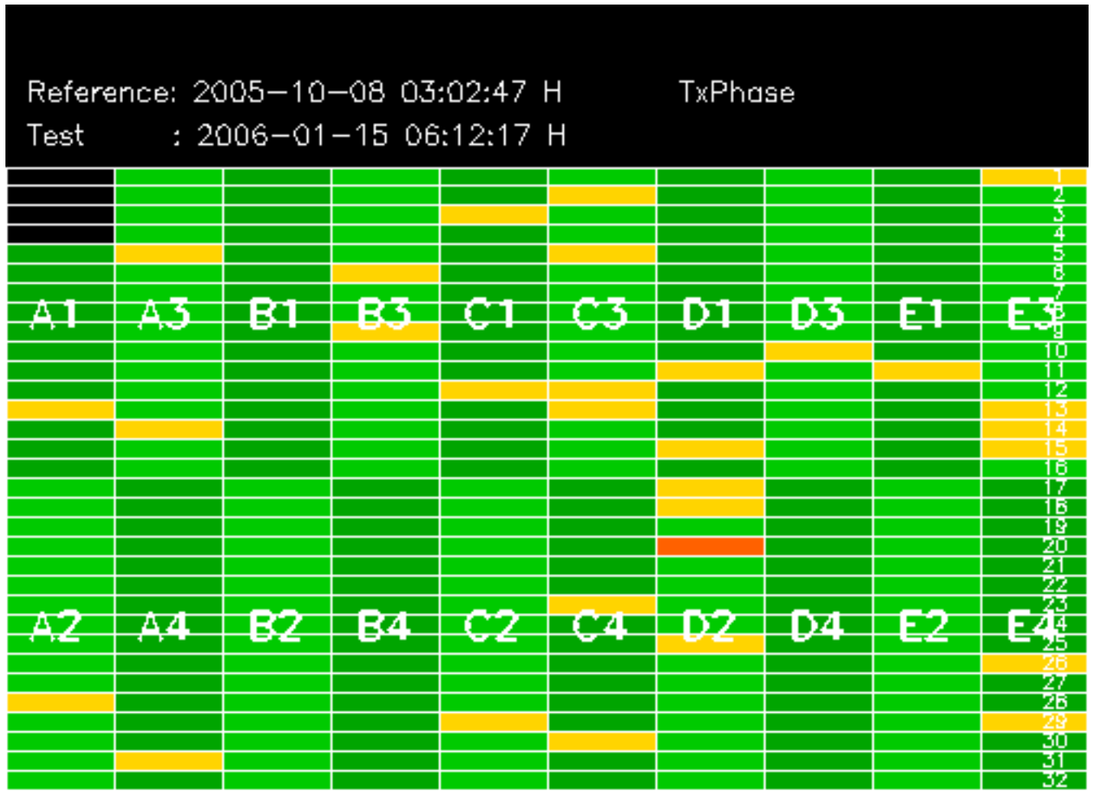
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-15 06:12:17 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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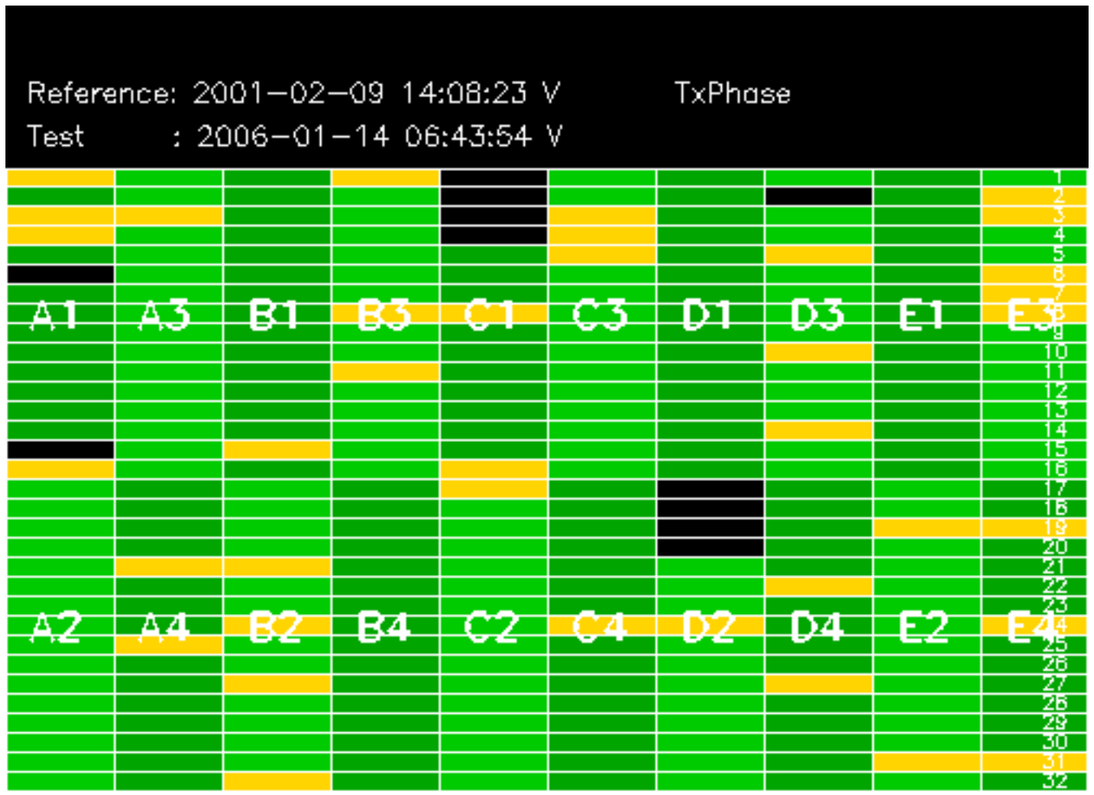
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-14 06:43:54 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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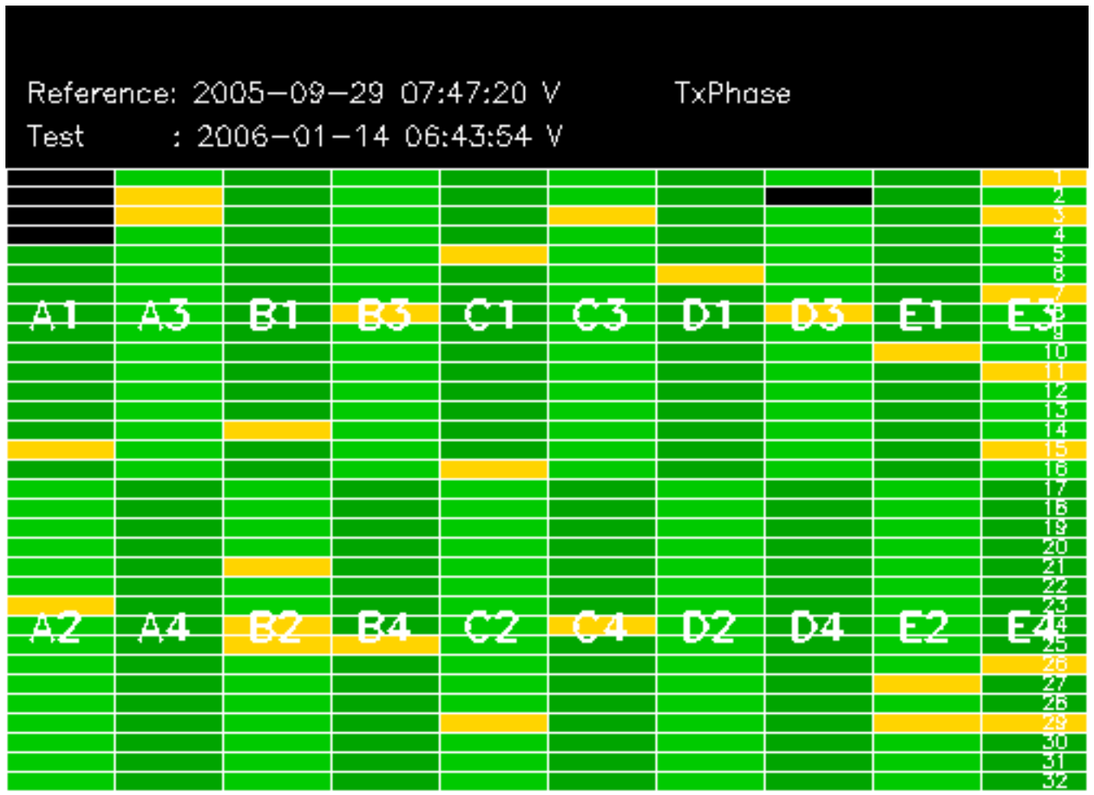
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-14 06:43:54 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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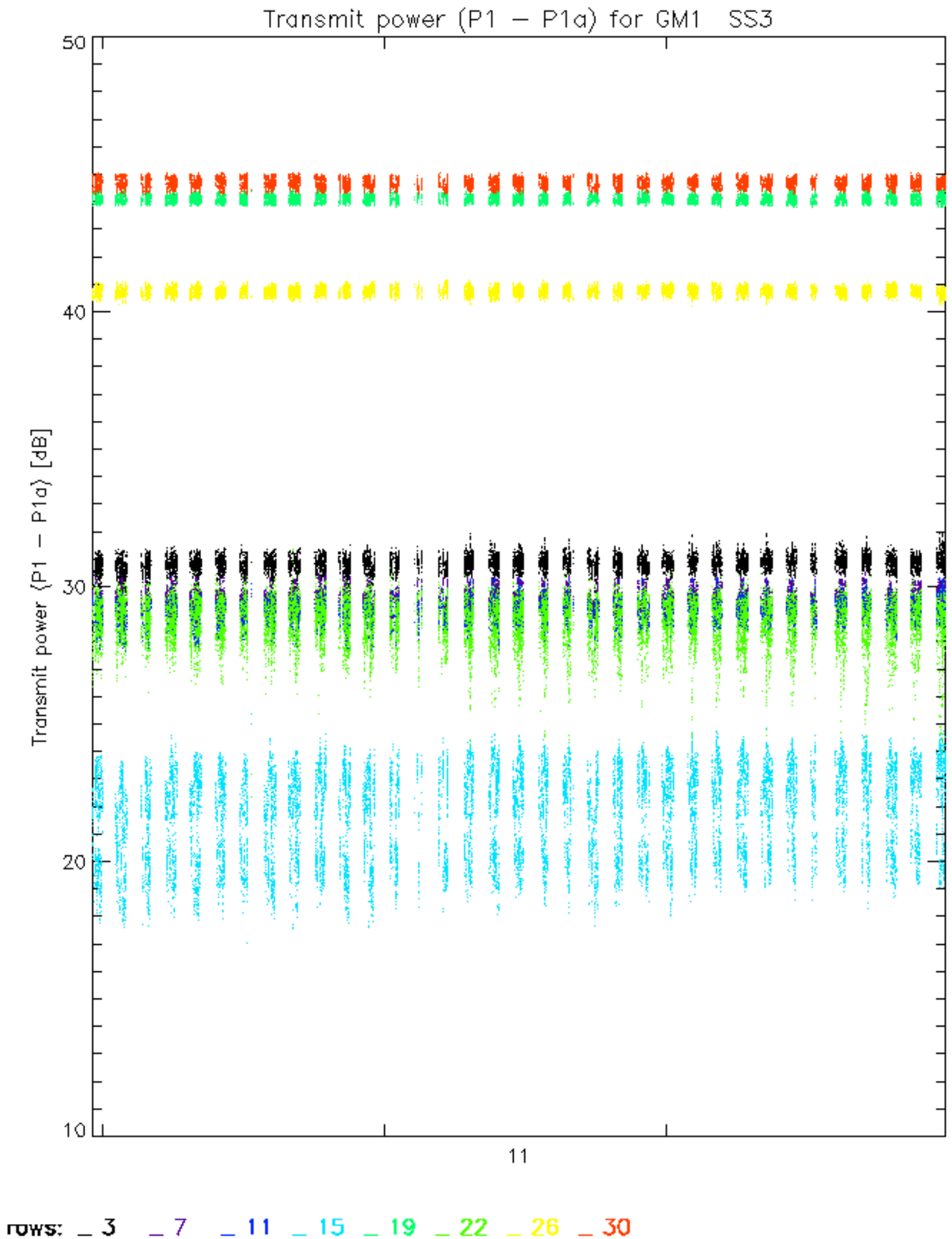
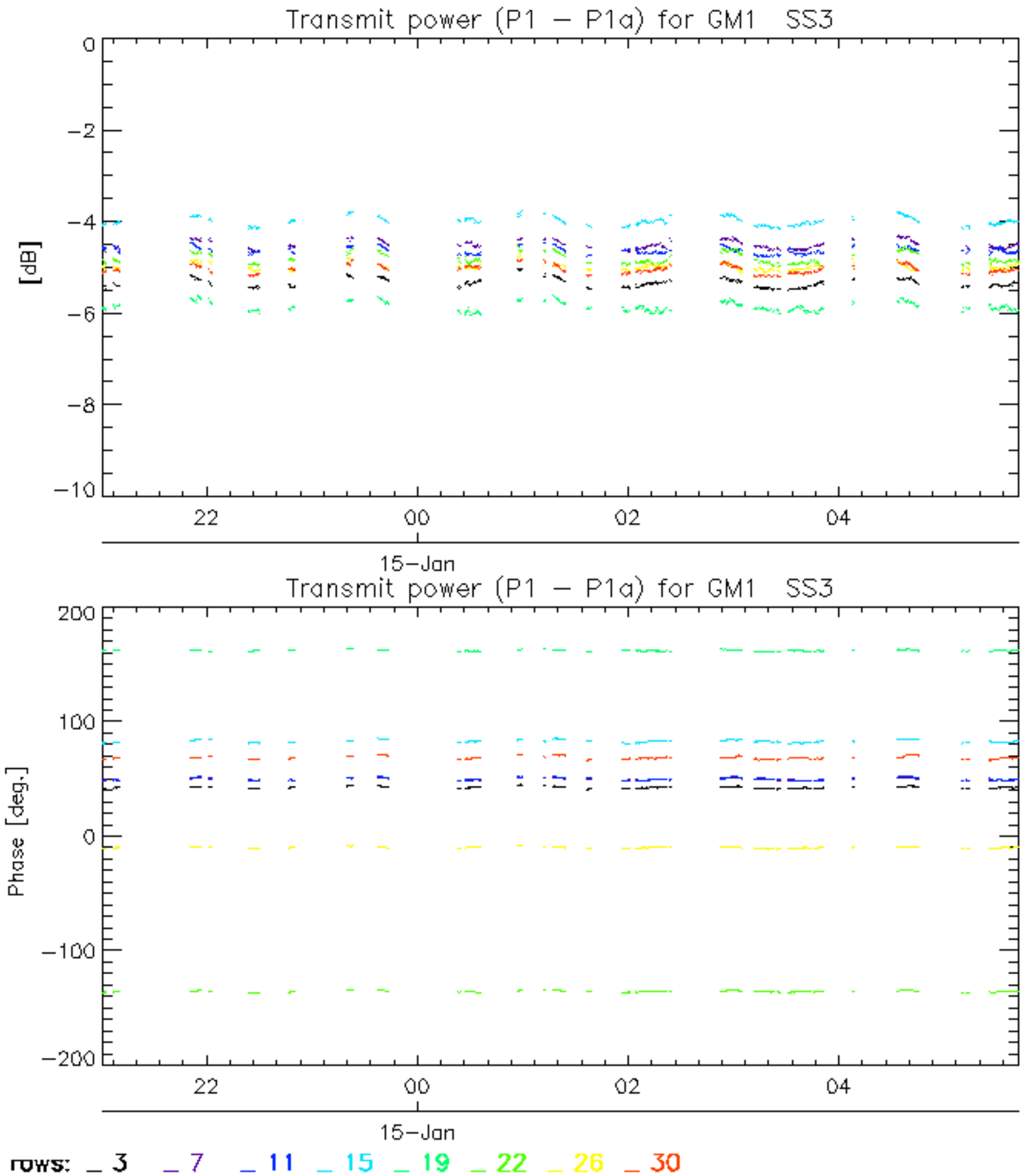
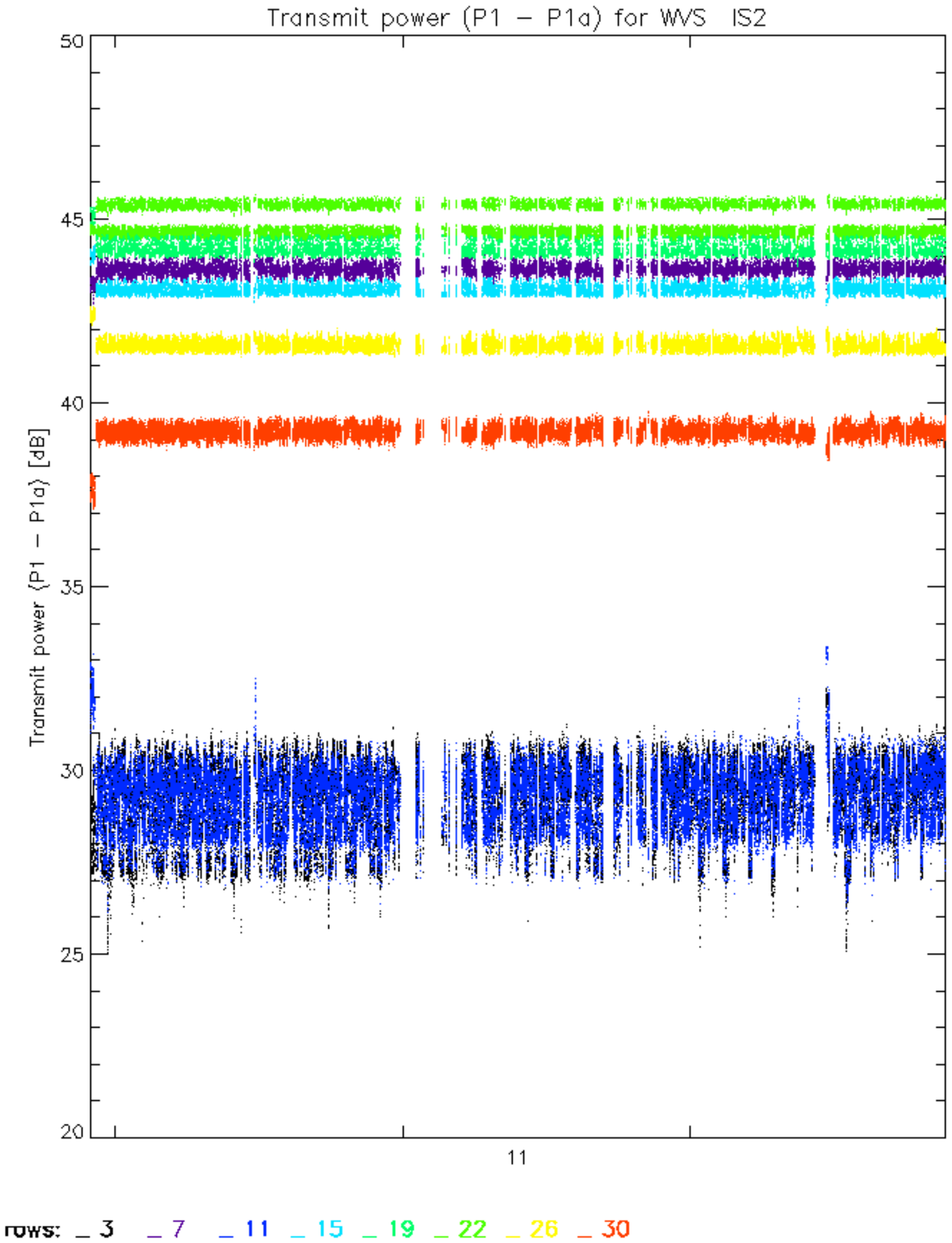
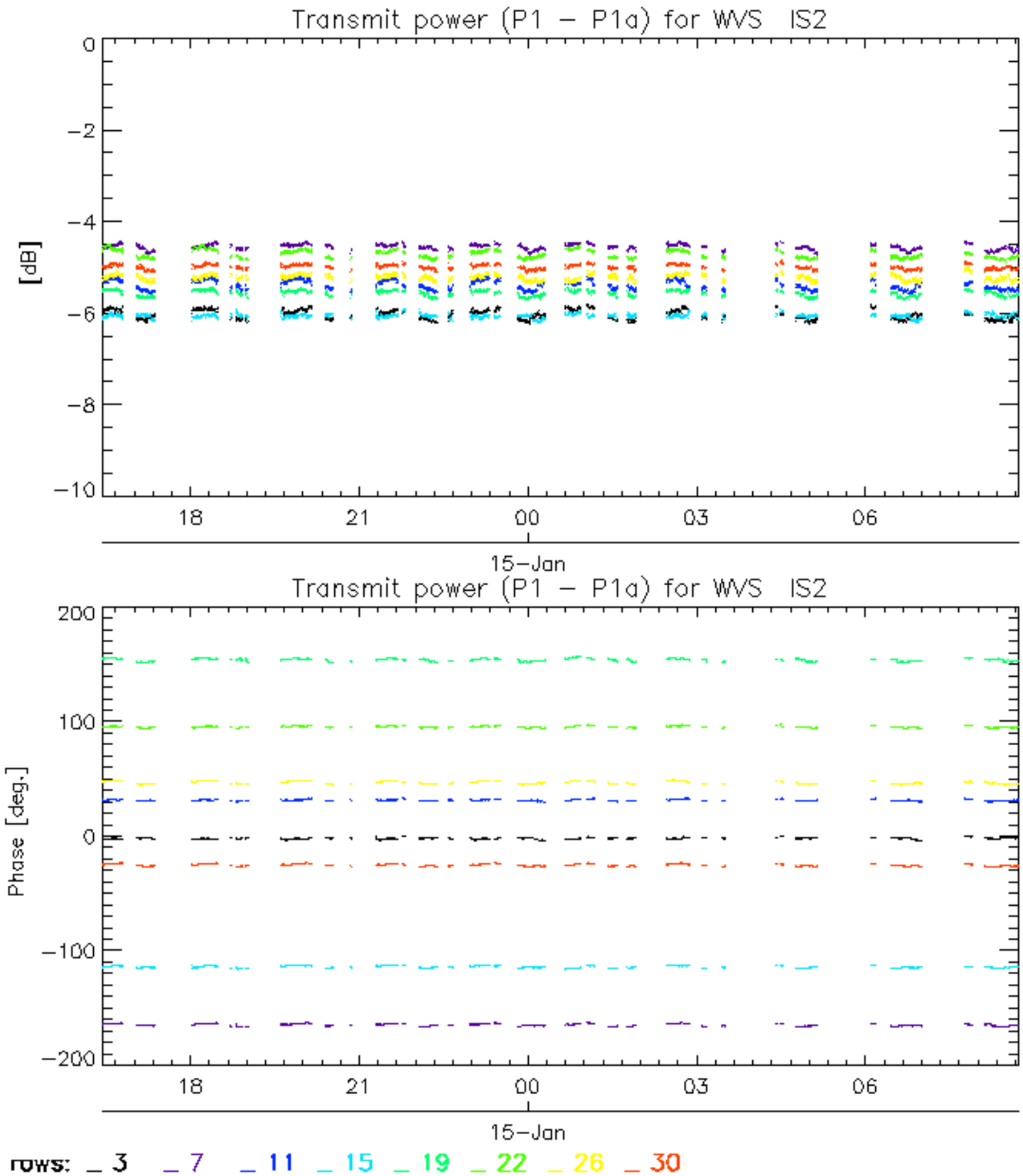

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
11
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
15−Jan
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
15−Jan
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.