PRELIMINARY REPORT OF 070112

last update on Fri Jan 12 16:29:50 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 2007-01-11 00:00:00 to 2007-01-12 16:29:50

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	38	63	16	0	1
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	38	63	16	0	1
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	63	16	0	1
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	38	63	16	0	1

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	53	60	33	7	80
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	53	60	33	7	80
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	53	60	33	7	80
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	53	60	33	7	80

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	20070112 063522
H	20070111 070659

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	-3.964441	0.007604	-0.008628
7	P1	-3.146479	0.049809	0.031719
11	P1	-4.122090	0.025148	0.009614
15	P1	-6.334641	0.016005	0.001862
19	P1	-3.679954	0.005891	-0.038972
22	P1	-4.676672	0.015703	-0.038369
26	P1	-3.956424	0.009990	0.013666
30	P1	-5.916230	0.008676	-0.024819
3	P1	-16.519058	0.258218	0.000228
7	P1	-17.285820	0.192263	0.127971
11	P1	-17.268608	0.459596	-0.080090
15	P1	-13.050164	0.128989	0.060003
19	P1	-15.071304	0.110108	-0.116103
22	P1	-15.837408	0.552567	0.124598
26	P1	-15.030942	0.188605	0.049184
30	P1	-17.555424	0.497757	0.059209

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.799200	0.090781	0.030567
7	P2	-21.681911	0.089700	0.066239
11	P2	-15.542601	0.100577	0.029116
15	P2	-7.102441	0.105154	0.039516
19	P2	-9.184931	0.099189	0.053027
22	P2	-18.234058	0.092133	0.029745
26	P2	-16.602865	0.103906	0.030233
30	P2	-19.443663	0.086184	0.040395

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.240893	0.008594	0.001986
7	P3	-8.240893	0.008594	0.001986
11	P3	-8.240893	0.008594	0.001986
15	P3	-8.240893	0.008594	0.001986
19	P3	-8.240893	0.008594	0.001986
22	P3	-8.240893	0.008594	0.001986
26	P3	-8.240916	0.008594	0.002024
30	P3	-8.240916	0.008594	0.002024

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
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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	-3.921178	0.013966	0.016210
7	P1	-2.478176	0.076654	0.013996
11	P1	-2.832717	0.016973	0.065764
15	P1	-3.705471	0.032559	0.002349
19	P1	-3.550366	0.019165	0.009565
22	P1	-5.006493	0.023483	0.068232
26	P1	-6.042075	0.026012	-0.010096
30	P1	-5.351099	0.037194	-0.014521
3	P1	-11.725333	0.085899	0.053996
7	P1	-10.044854	0.096234	0.090443
11	P1	-10.358162	0.089786	0.035024
15	P1	-10.732984	0.155504	0.027755
19	P1	-15.742600	0.116554	-0.032647
22	P1	-21.569664	1.425591	0.051530

26	P1	-16.001097	0.315679	0.109190
30	P1	-17.904106	0.364428	-0.038891

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.439568	0.103567	0.072890
7	P2	-22.196165	0.251713	0.040101
11	P2	-10.843387	0.104300	0.051215
15	P2	-4.968543	0.217519	0.053641
19	P2	-6.951765	0.226230	0.075939
22	P2	-8.237104	0.111832	0.057914
26	P2	-24.346403	0.165113	-0.013622
30	P2	-21.914240	0.134359	0.091506

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.089705	0.003437	0.001084
7	P3	-8.089472	0.003425	0.001698
11	P3	-8.089630	0.003443	0.001441
15	P3	-8.089484	0.003434	0.000612
19	P3	-8.089541	0.003443	0.001300
22	P3	-8.089349	0.003450	0.001116
26	P3	-8.089705	0.003441	0.001394
30	P3	-8.089548	0.003426	0.001837

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	0.000568360
	stdev	1.64148e-07
MEAN Q	mean	0.000504829
	stdev	2.12896e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.140529
	stdev	0.00120376
STDEV Q	mean	0.140934
	stdev	0.00122434

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007011[012]
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_GM1_1PNPDK20070110_150643_000007062054_00326_25430_2010.N1	0	17
ASA_GM1_1PNPDK20070111_093819_000005432054_00337_25441_2629.N1	0	6
ASA_GM1_1PNPDK20070112_072909_000005072054_00350_25454_3551.N1	0	24
ASA_WSM_1PNPDE20070110_163701_000001582054_00327_25431_1812.N1	0	14
ASA_WSM_1PNPDE20070111_042351_000000672054_00334_25438_2884.N1	0	45

ASA_WSM_1PNPDE20070111_042351_000001842054_00334_25438_3099.N1	0	45
ASA_WSM_1PNPDE20070111_133030_000000852054_00339_25443_3444.N1	0	76

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
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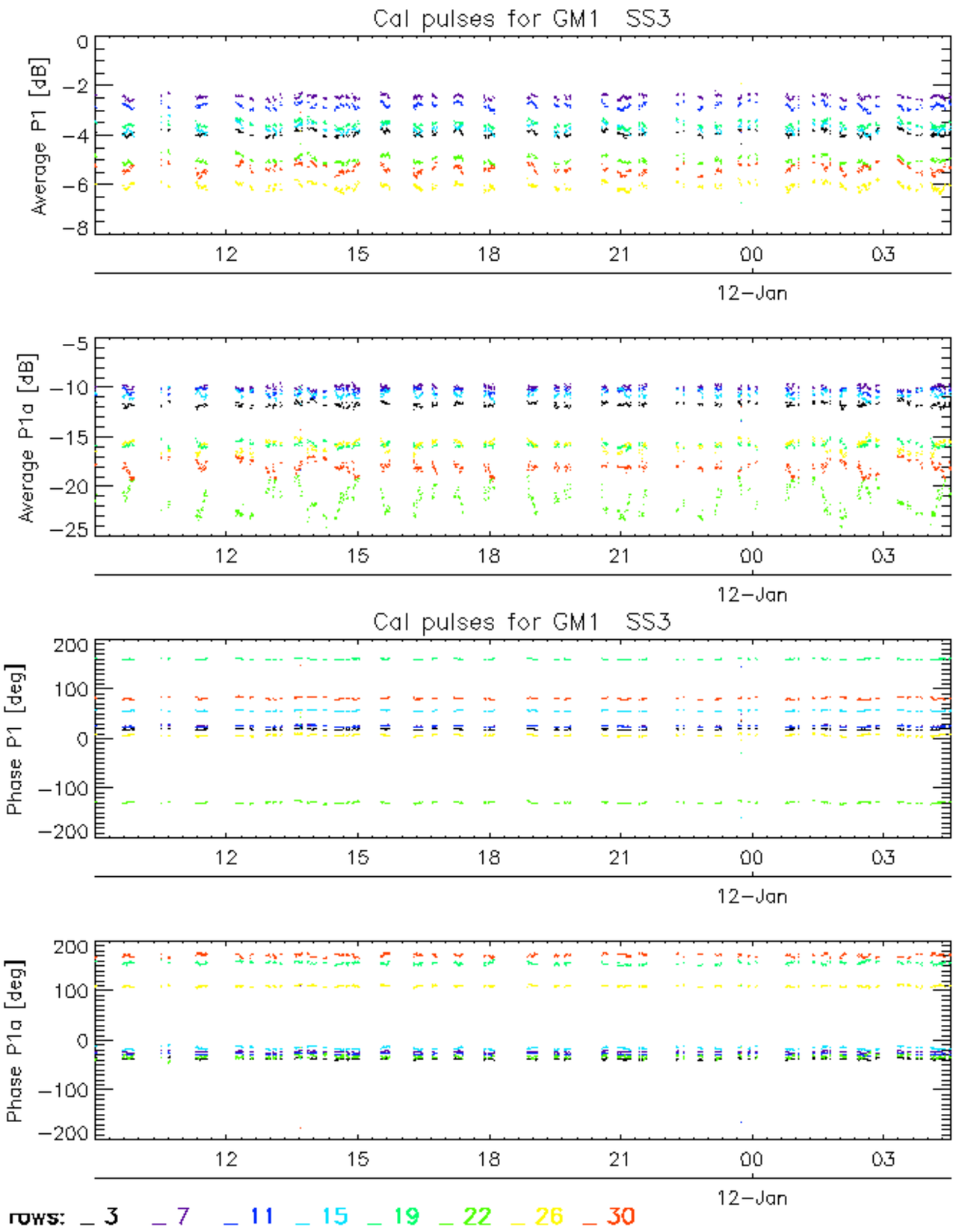
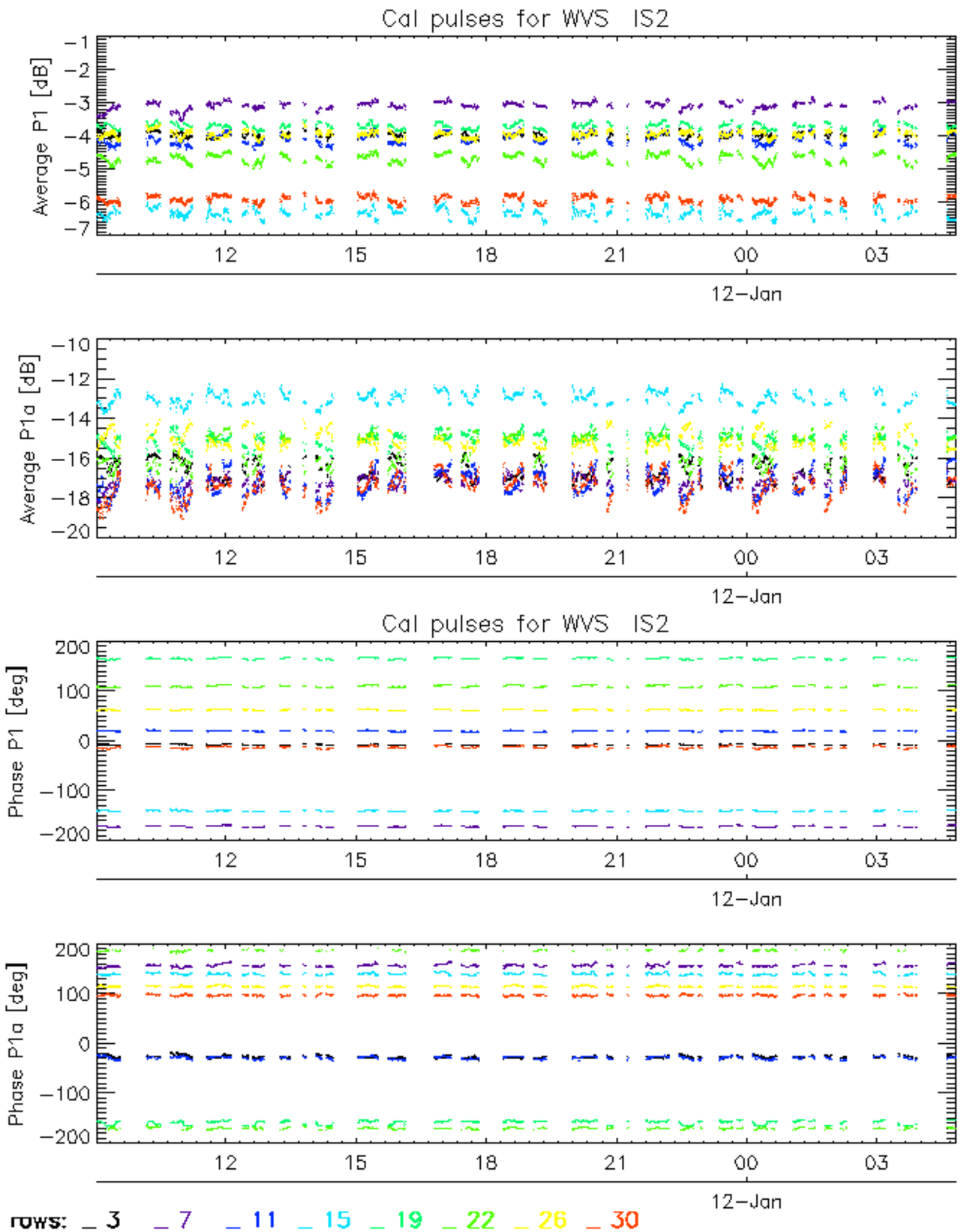
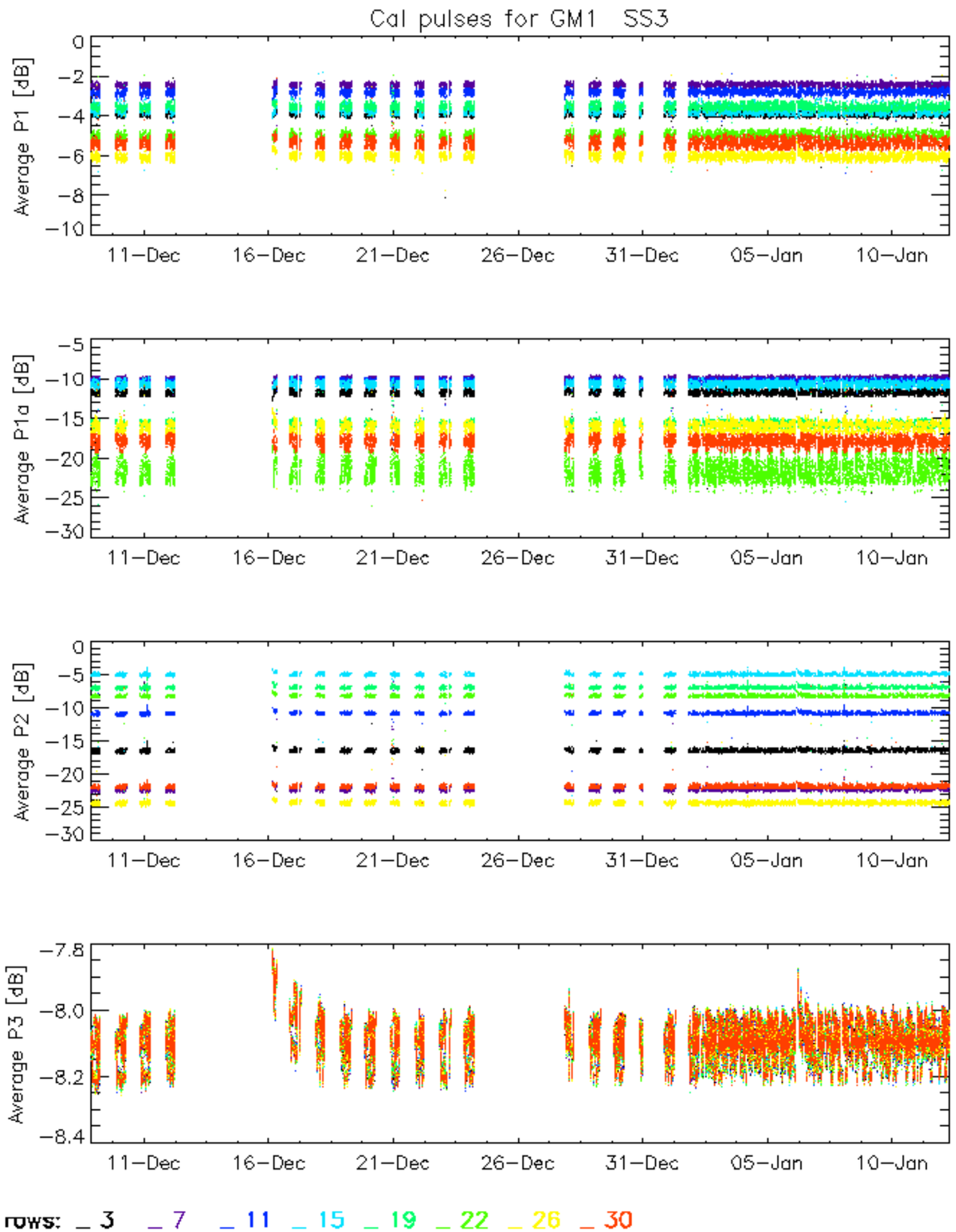
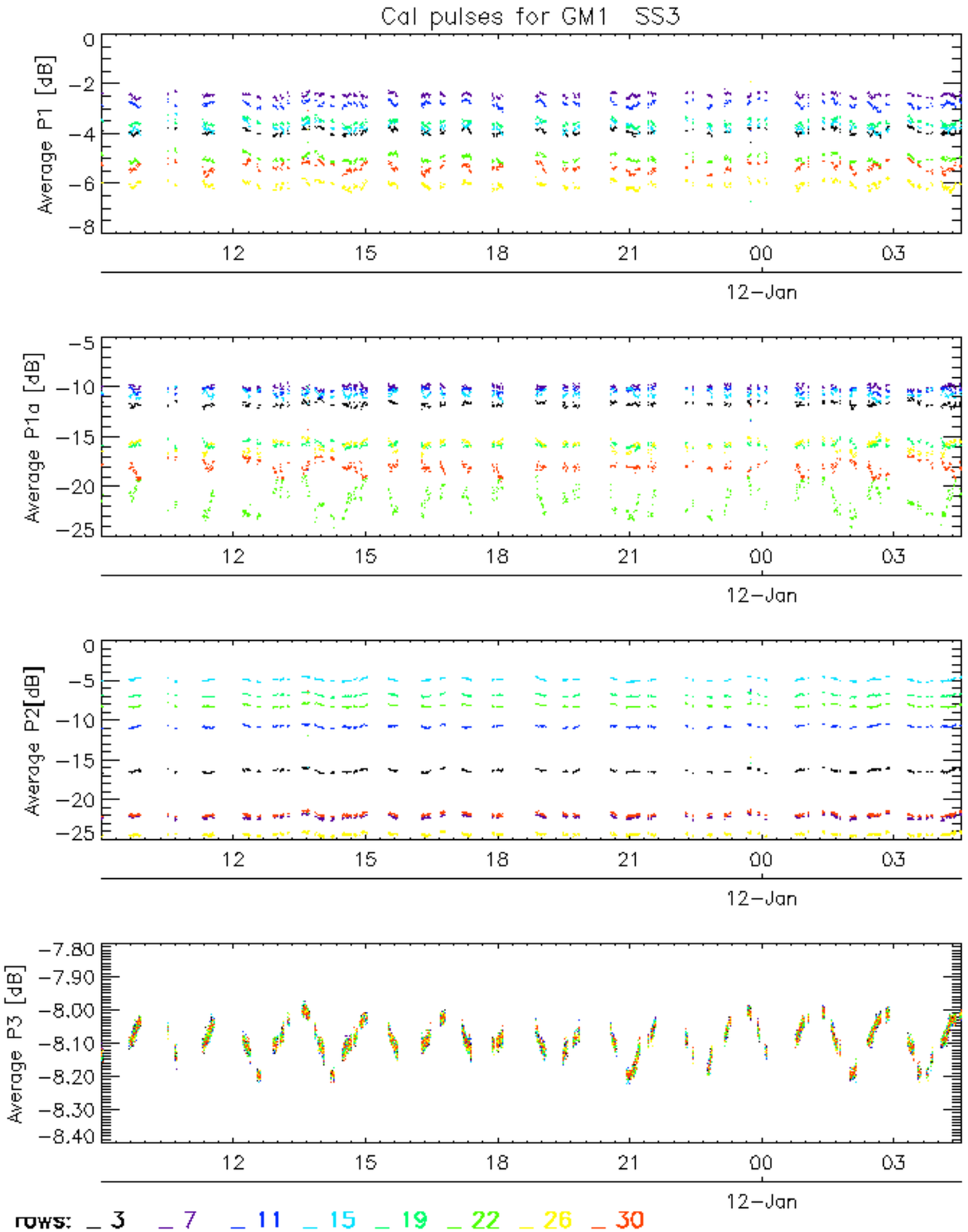
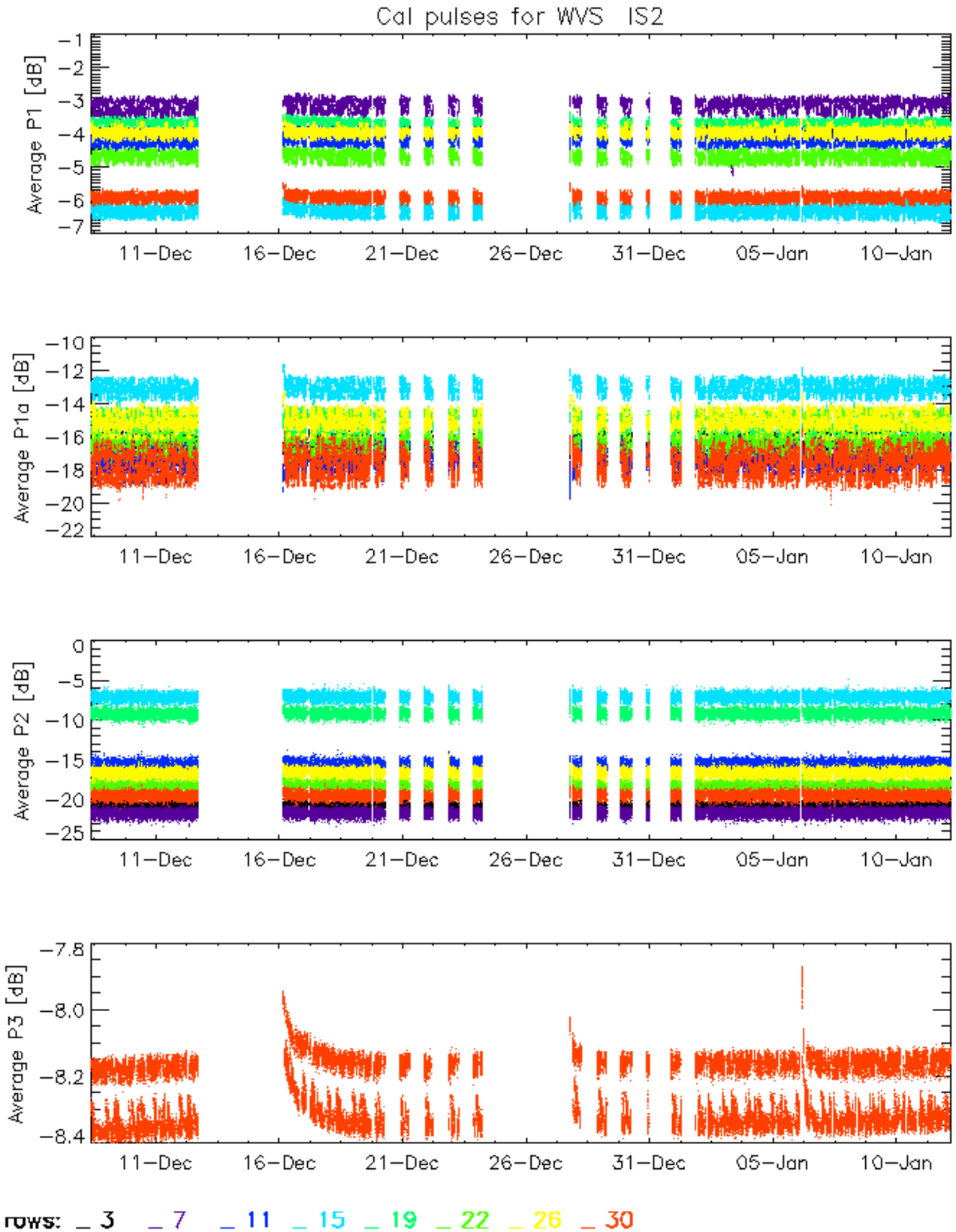
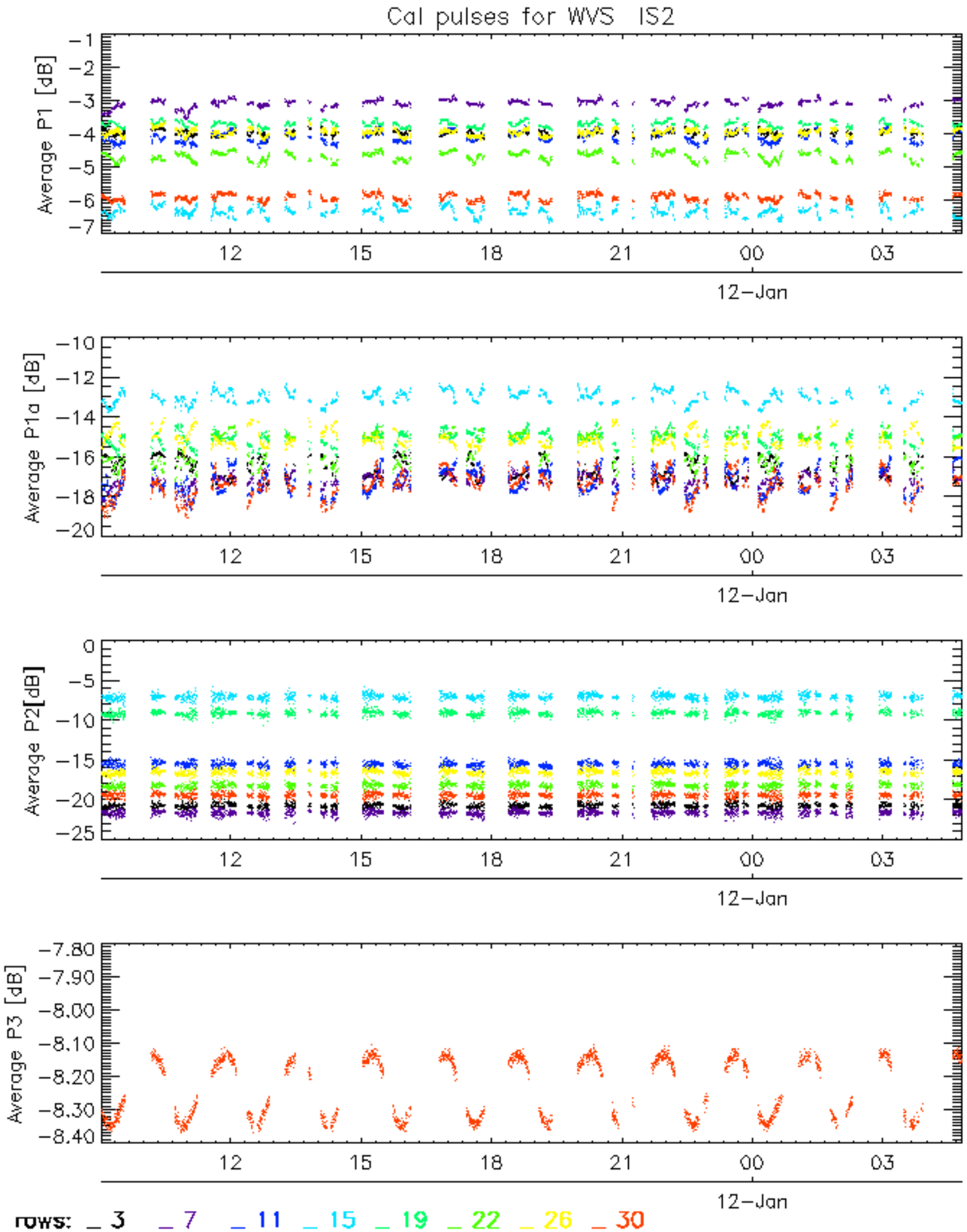

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
12
15
18
21
00
03
12−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
12
15
18
21
00
03
12−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
12
15
18
21
00
03
12−Jan
Phase P1a [deg]
200
100
0
−100
−200
12
15
18
21
00
03
12−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
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
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

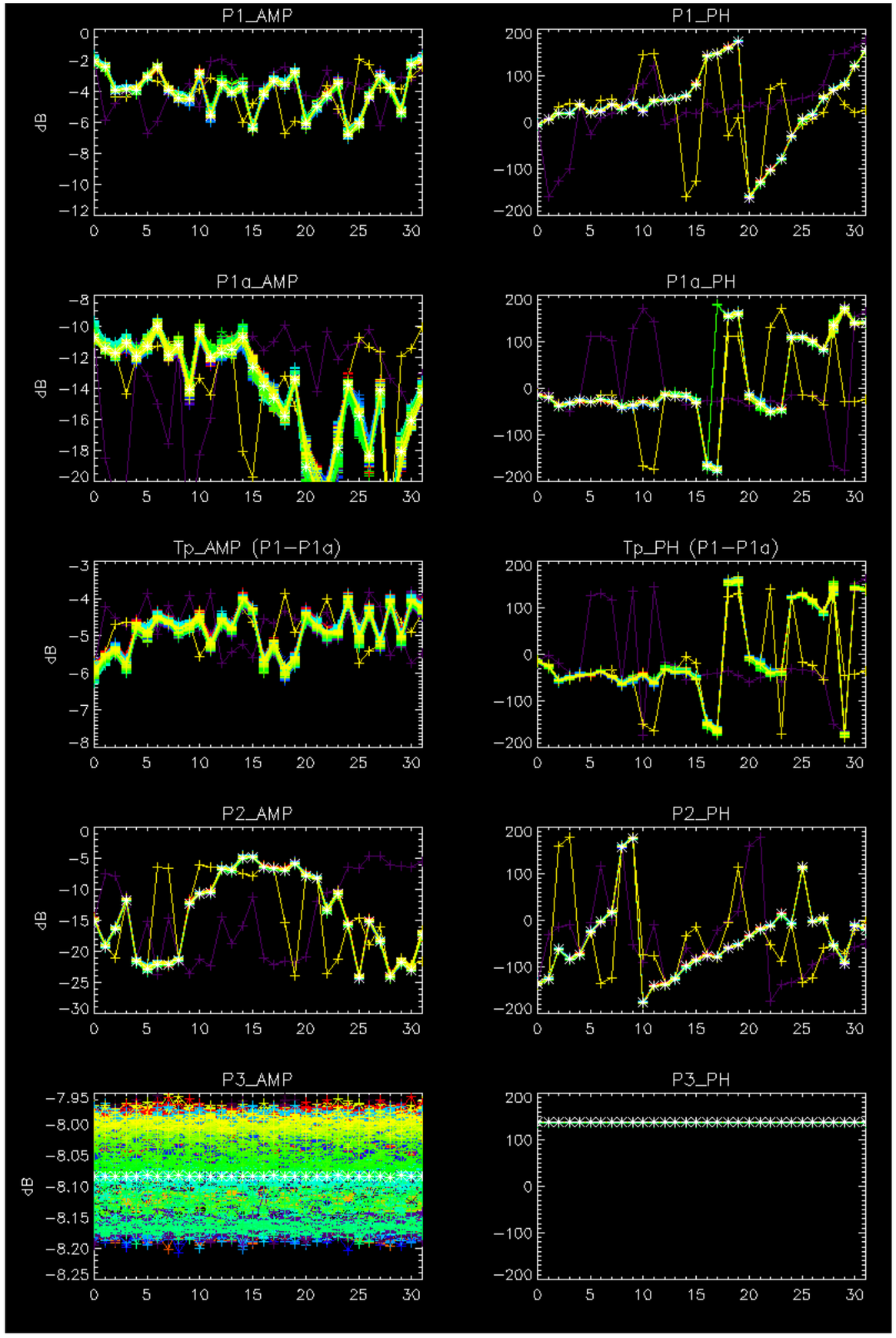

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
12
15
18
21
00
03
12−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
12
15
18
21
00
03
12−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
12
15
18
21
00
03
12−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
12
15
18
21
00
03
12−Jan
rows: _ 3 _ 7 _ 11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

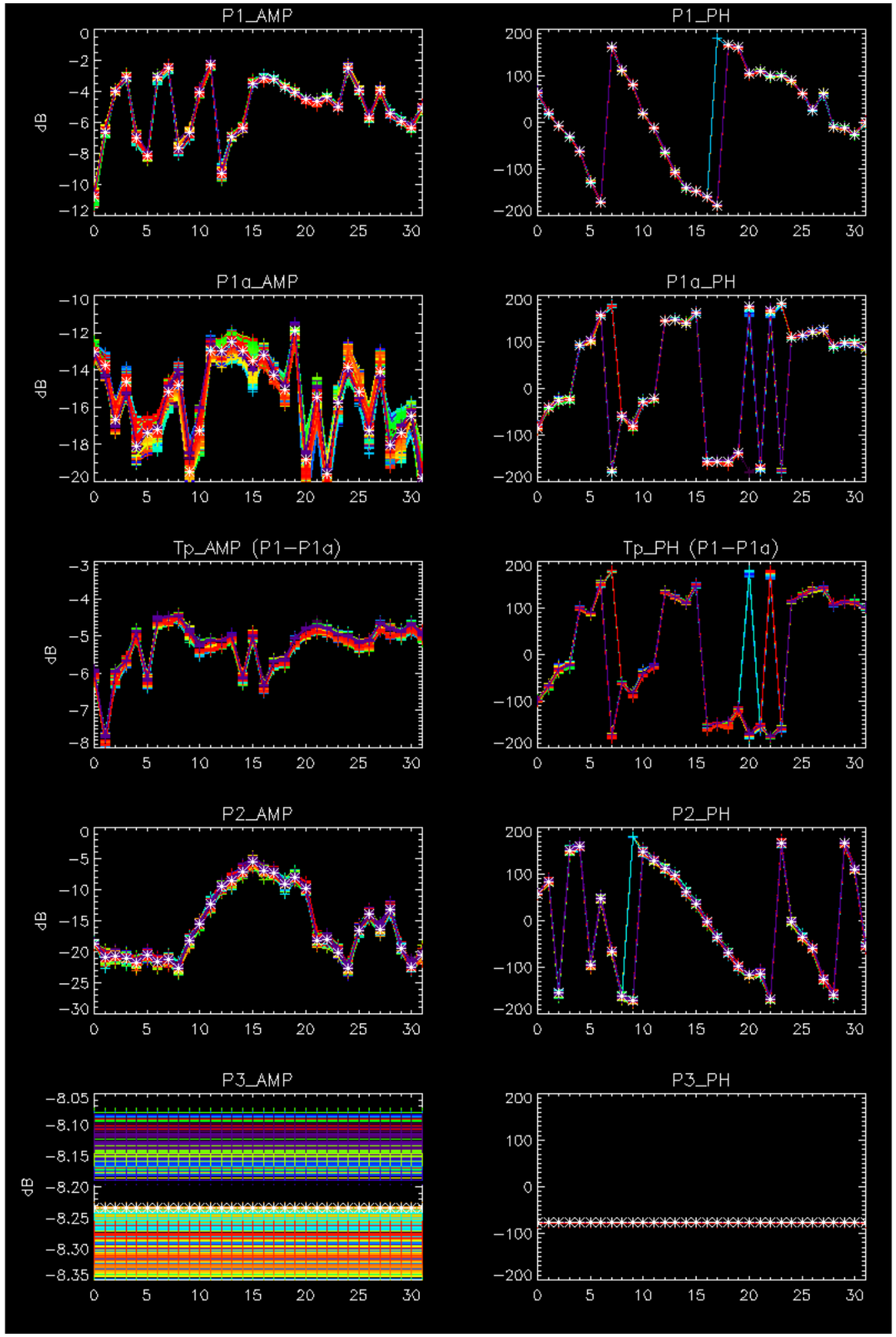

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

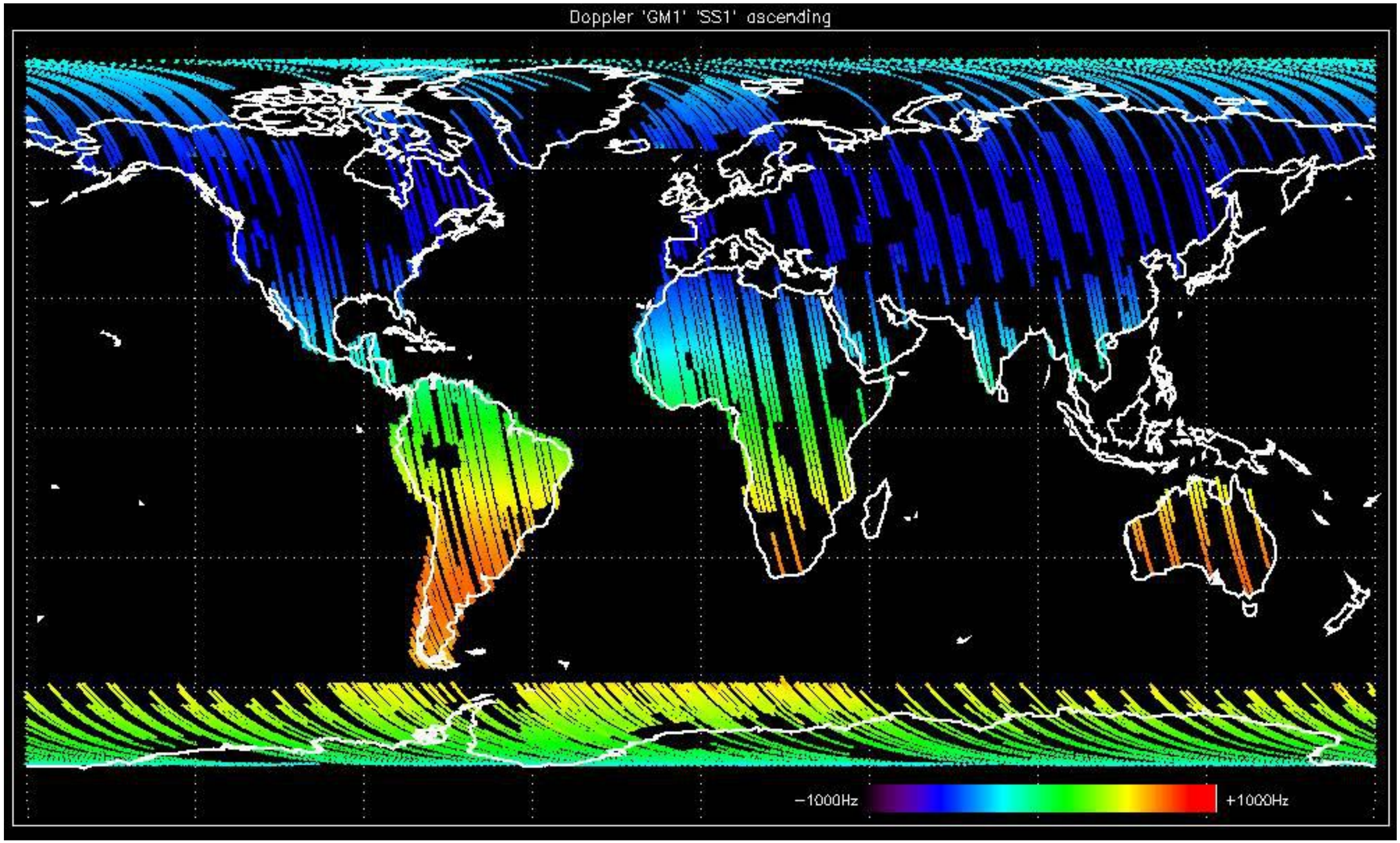
No anomalies observed.

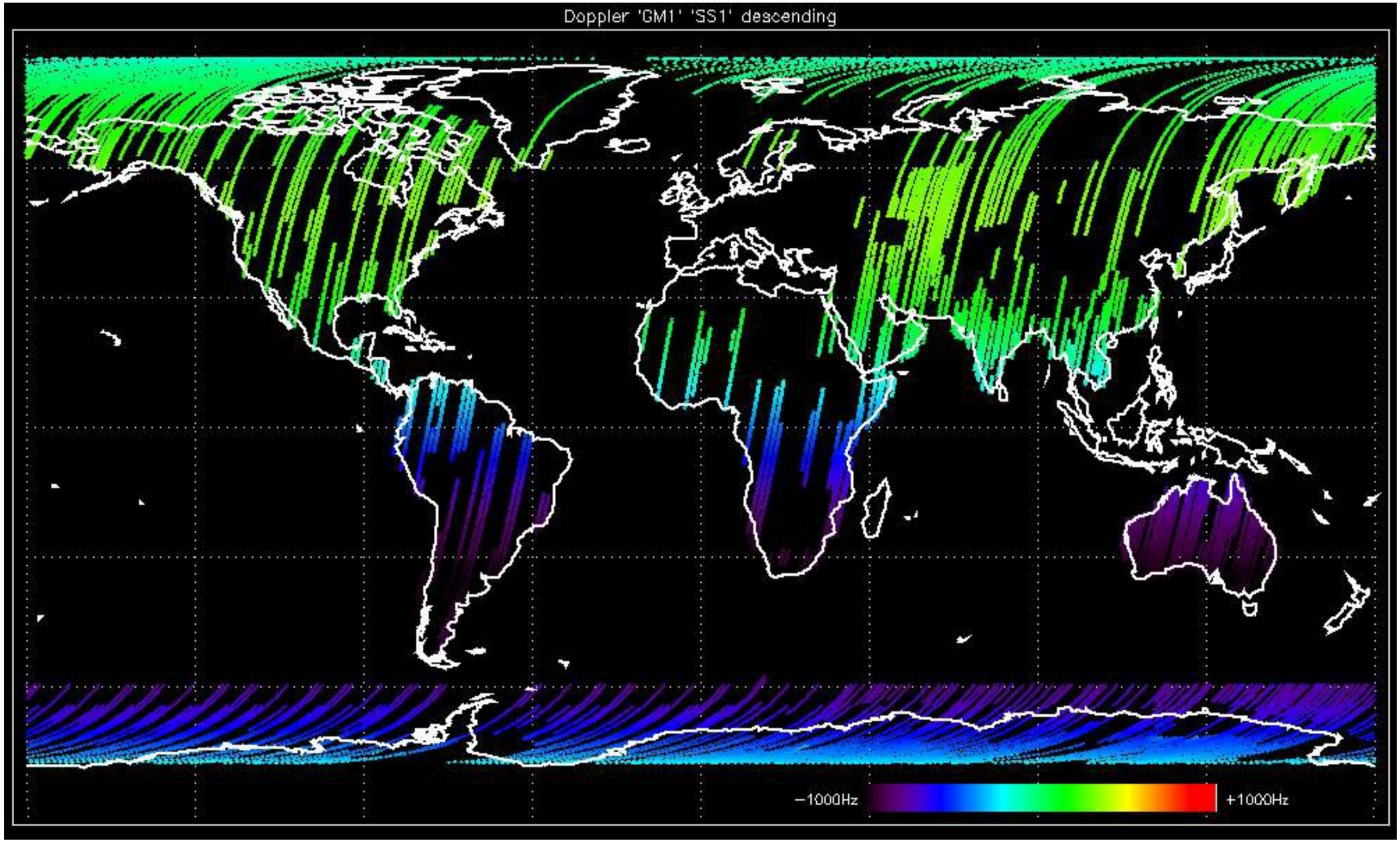

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

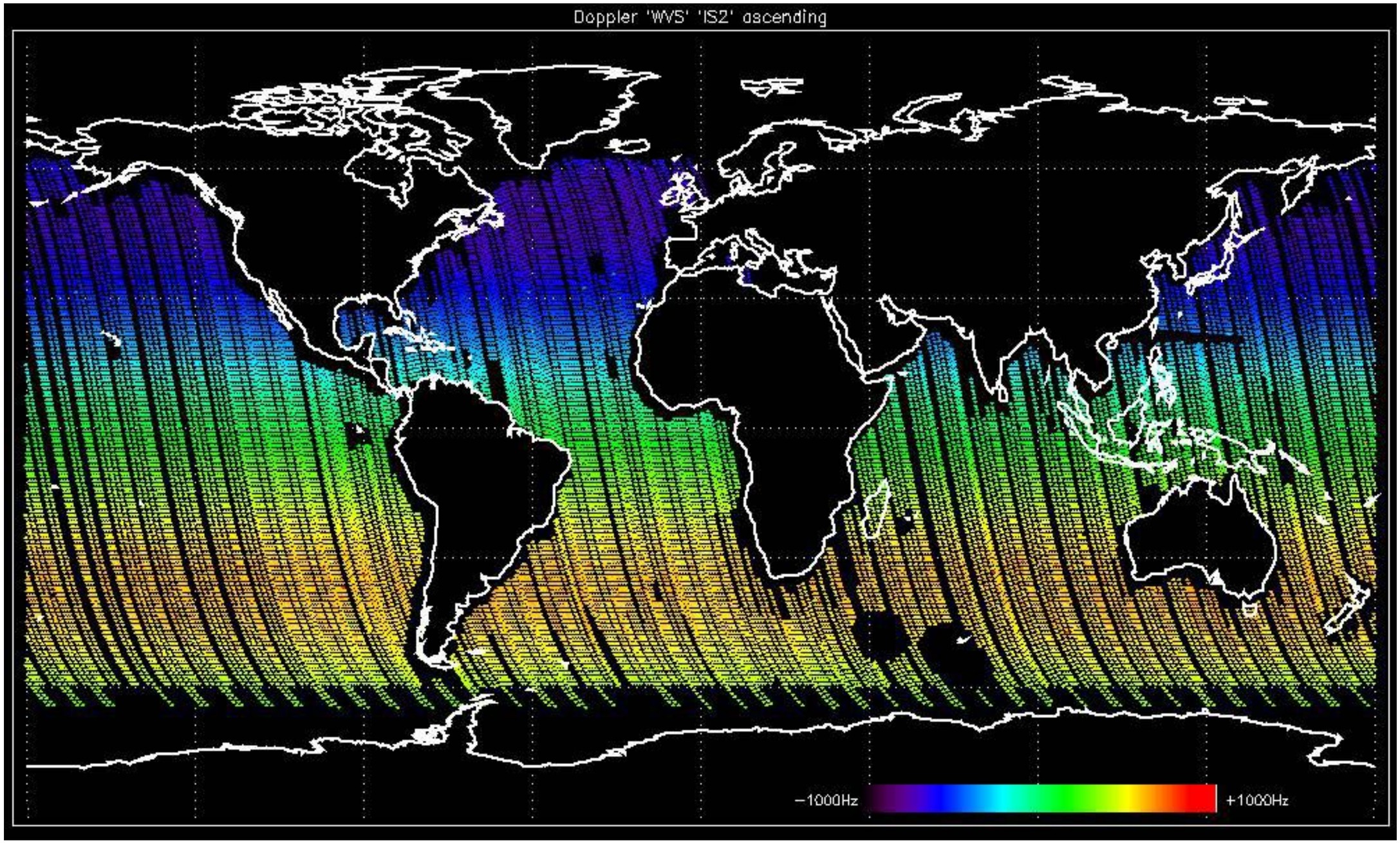

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

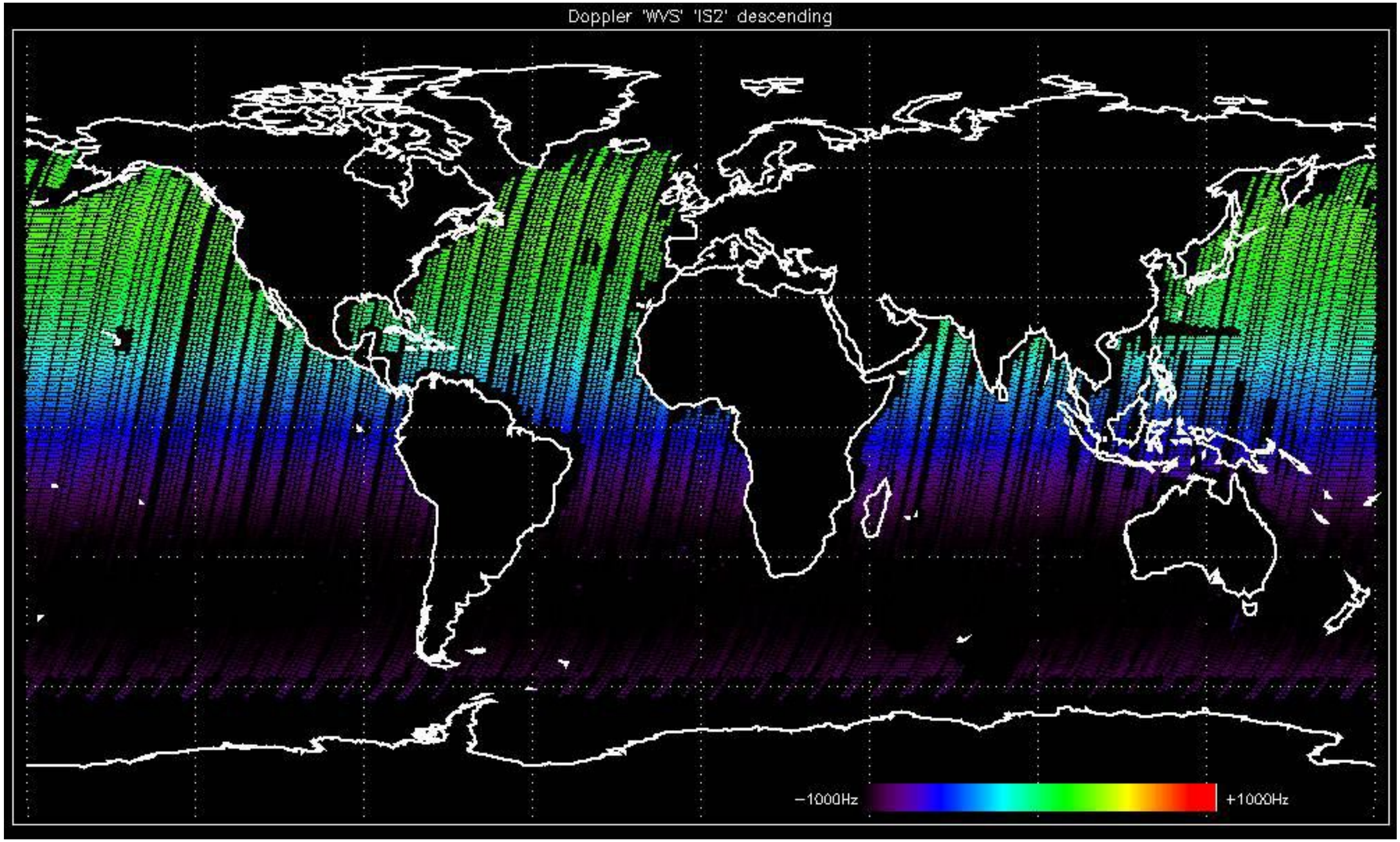
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

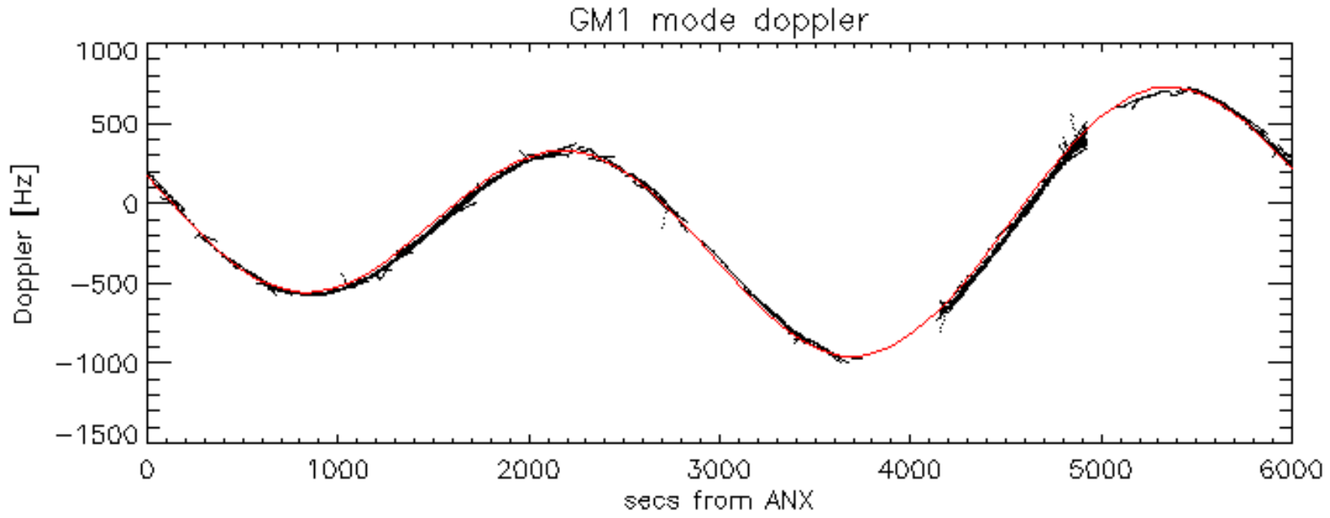
Preliminary report.The data is not yet controled

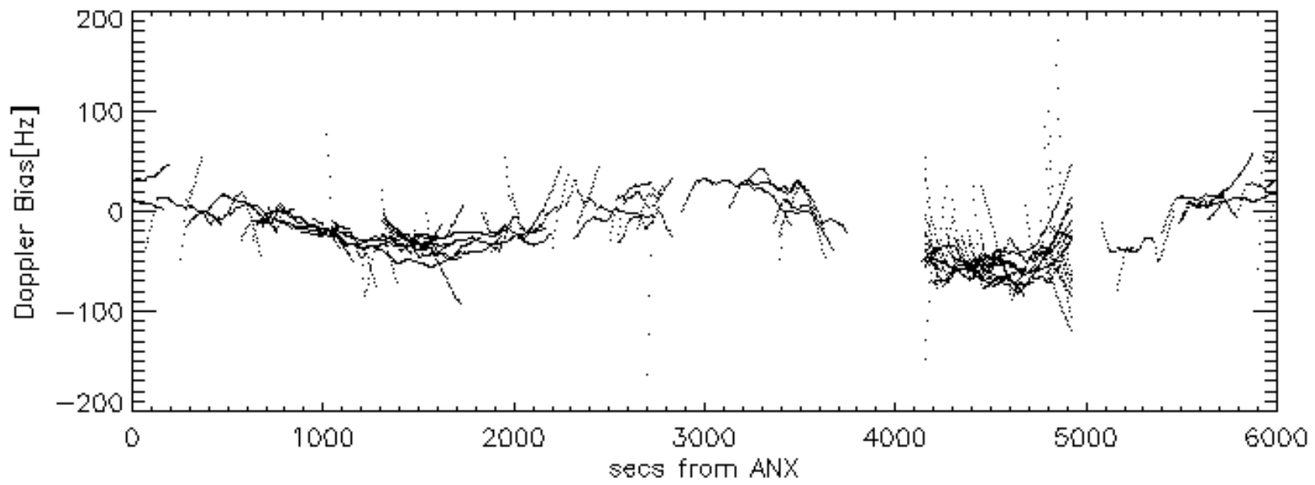

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

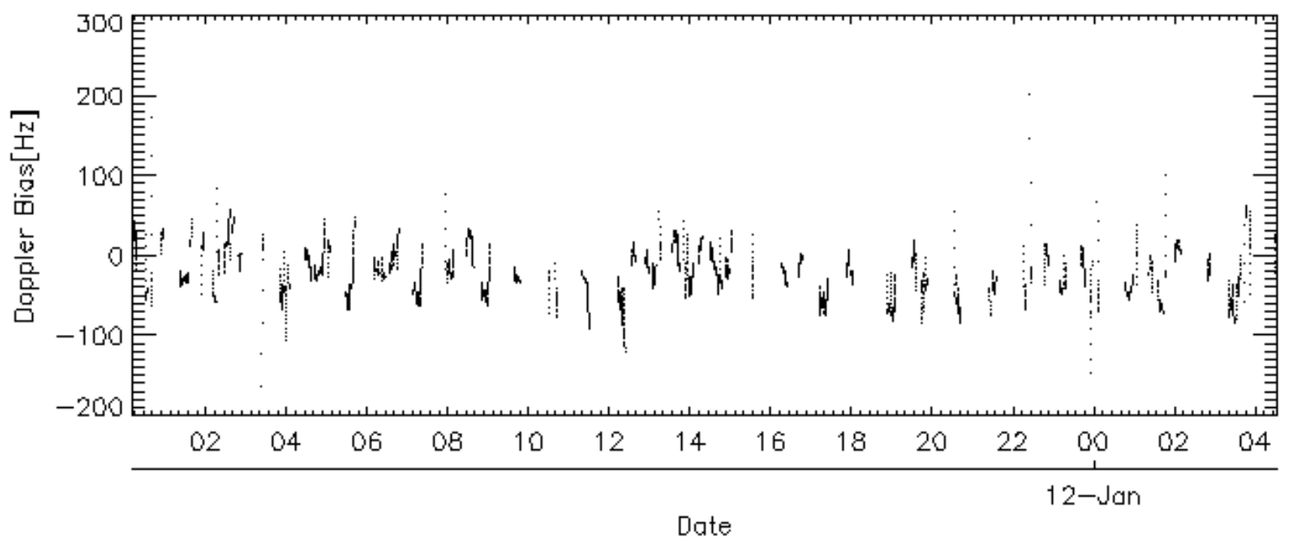

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

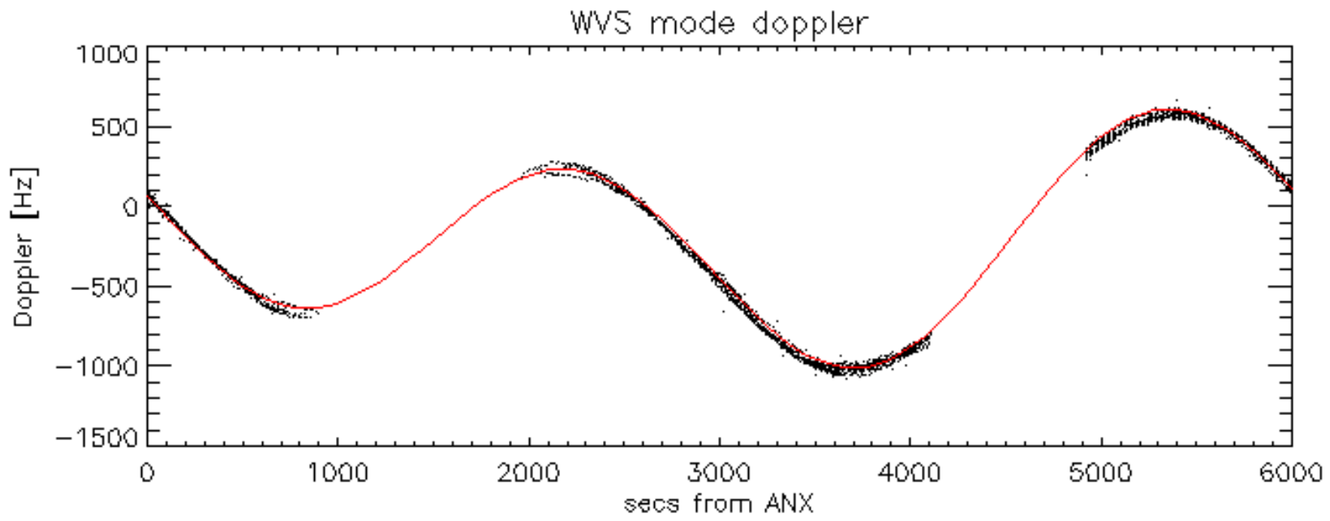

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

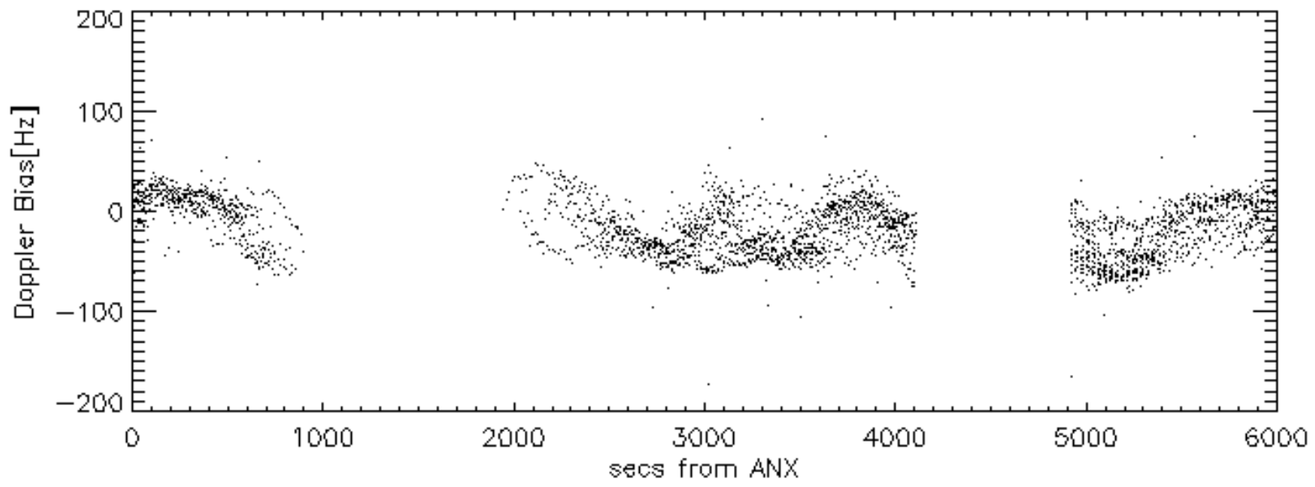

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

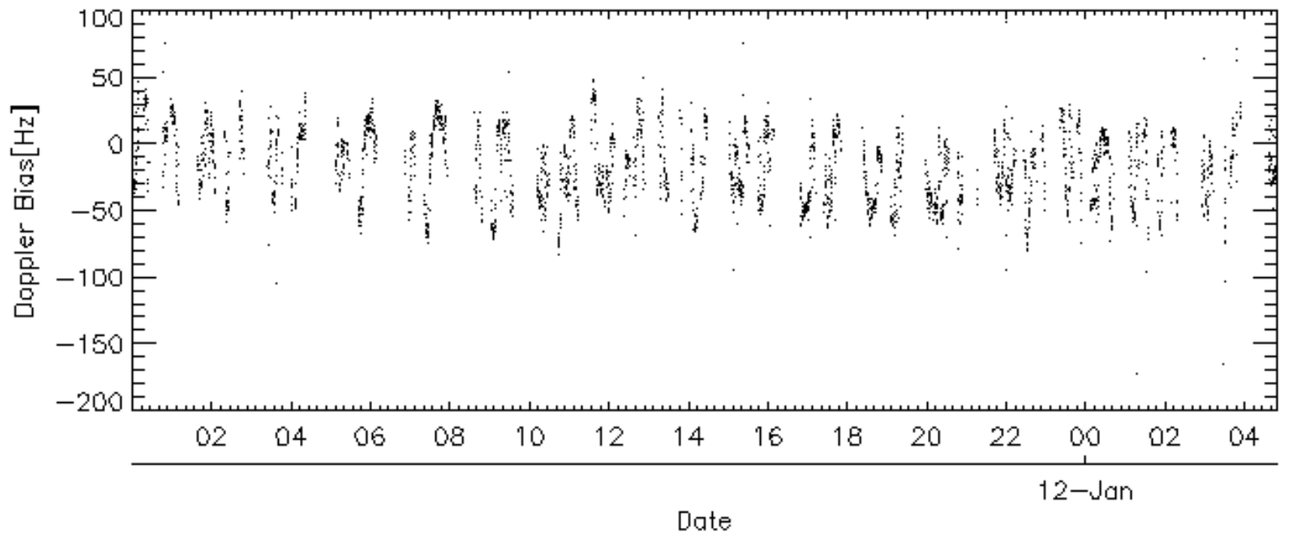

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

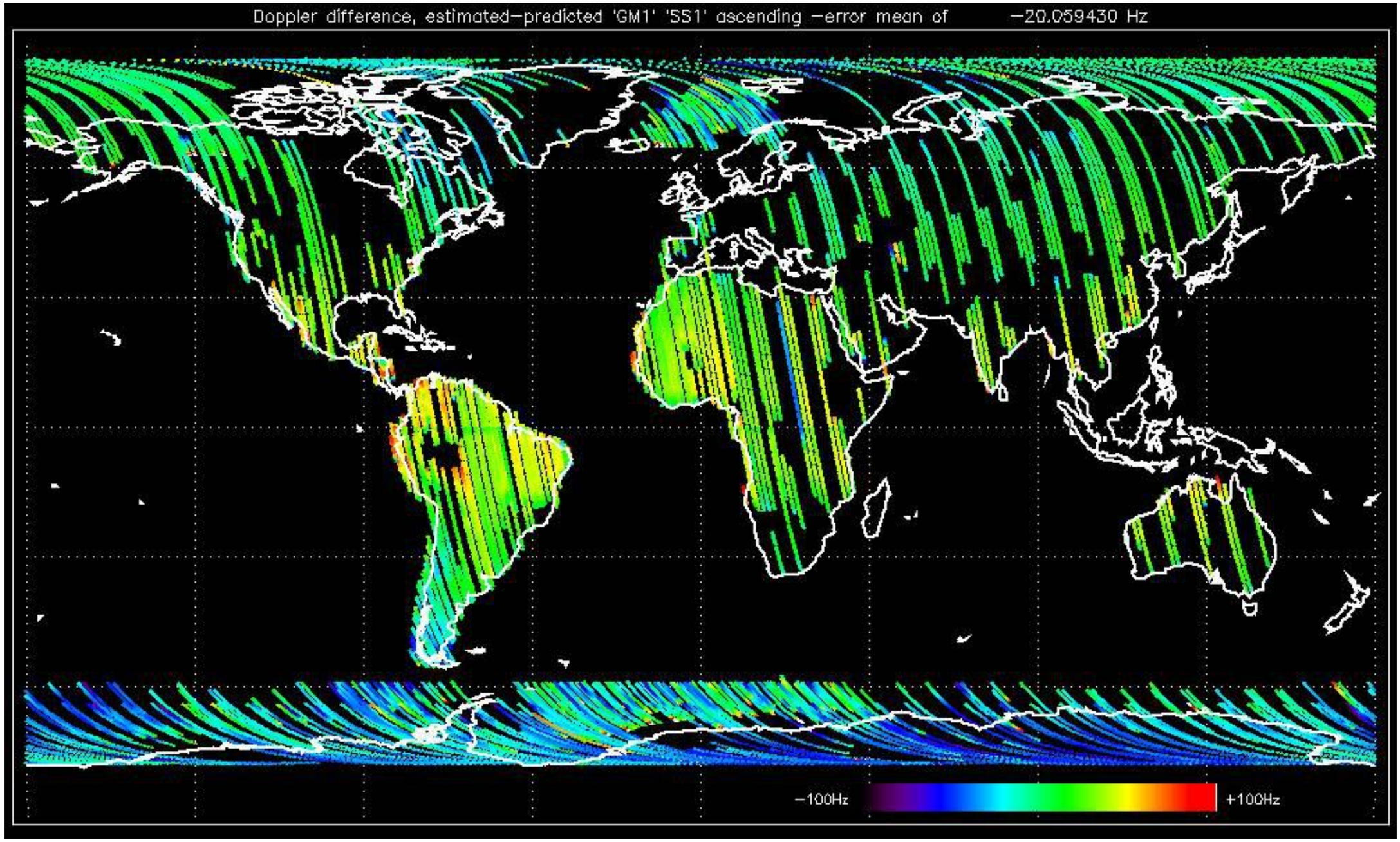

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

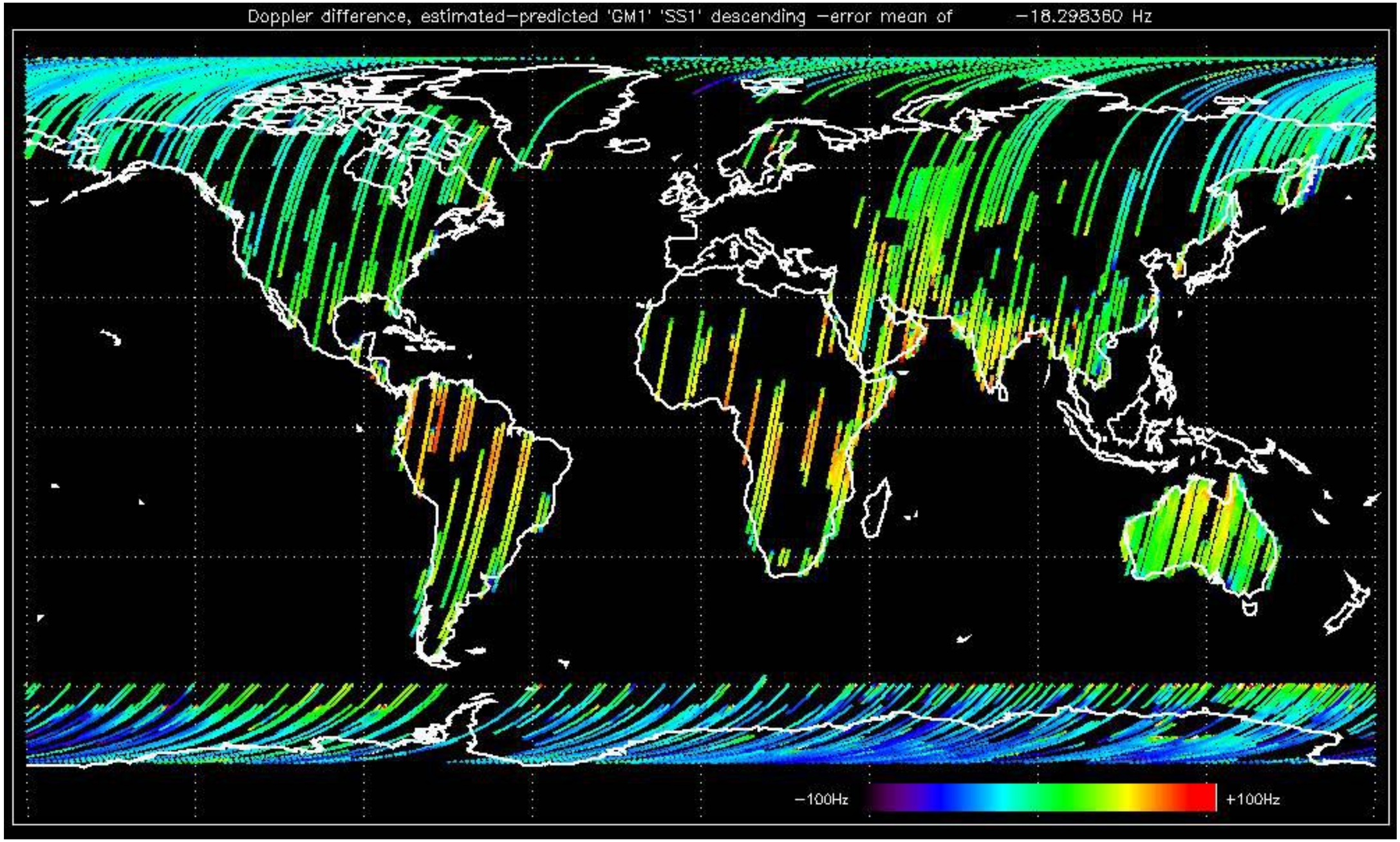

Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
12−Jan
Date

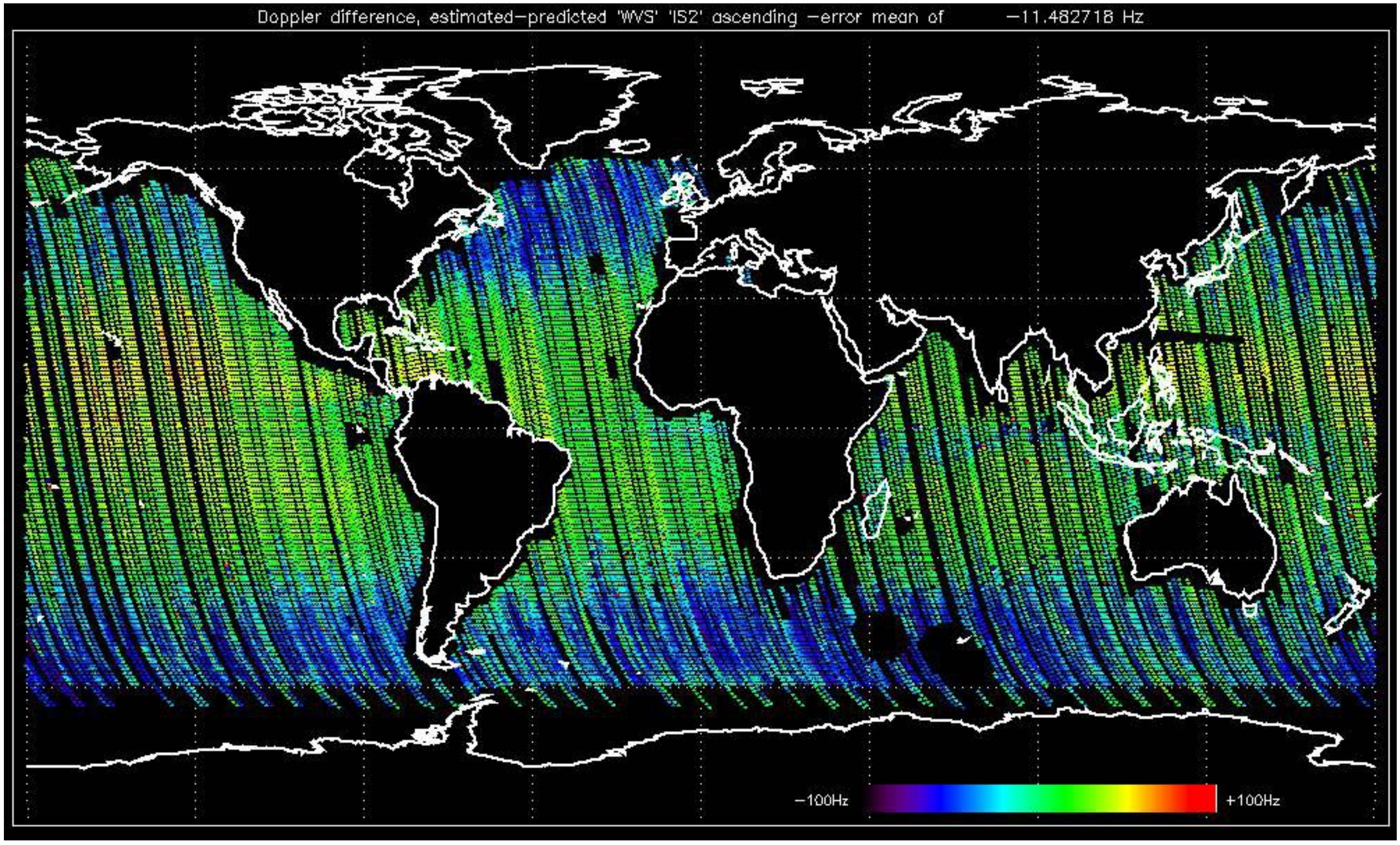

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

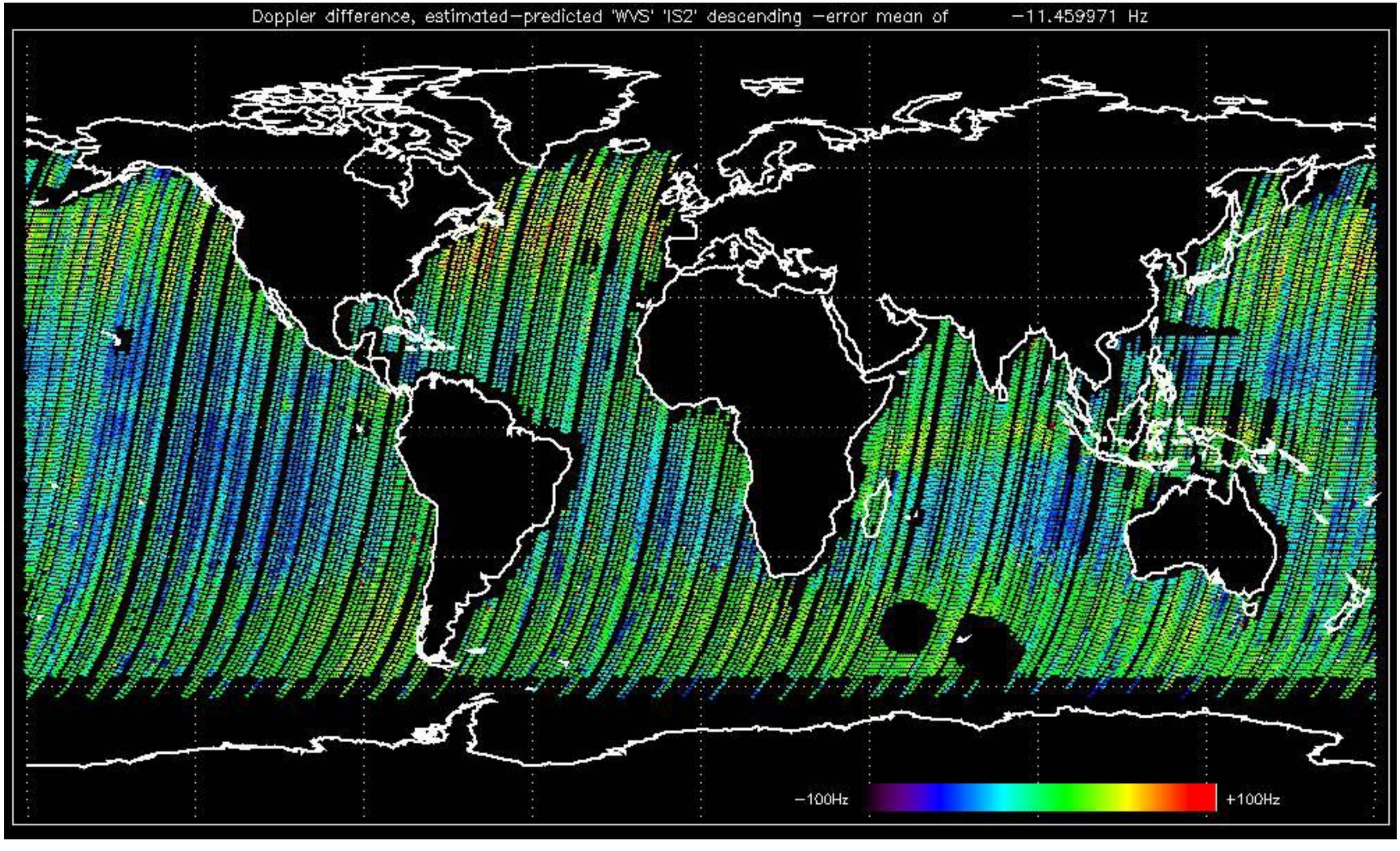

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.059430 Hz
−100Hz
+100Hz

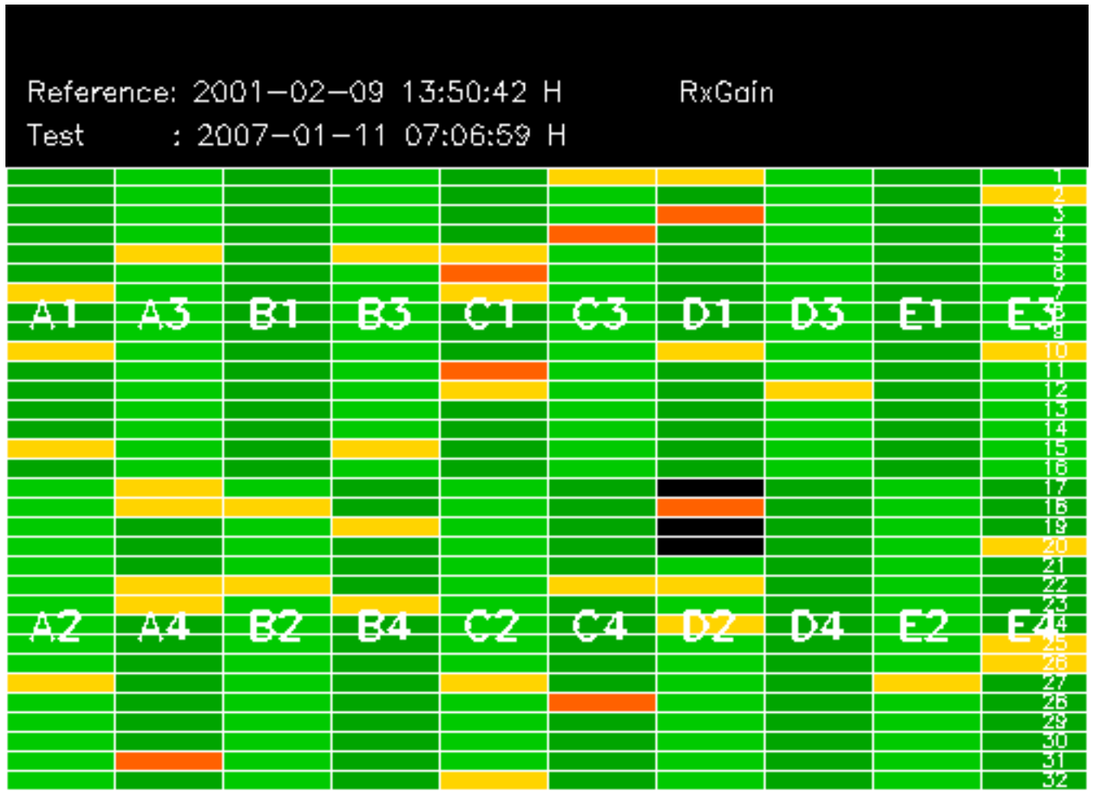

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.298360 Hz
−100Hz
+100Hz

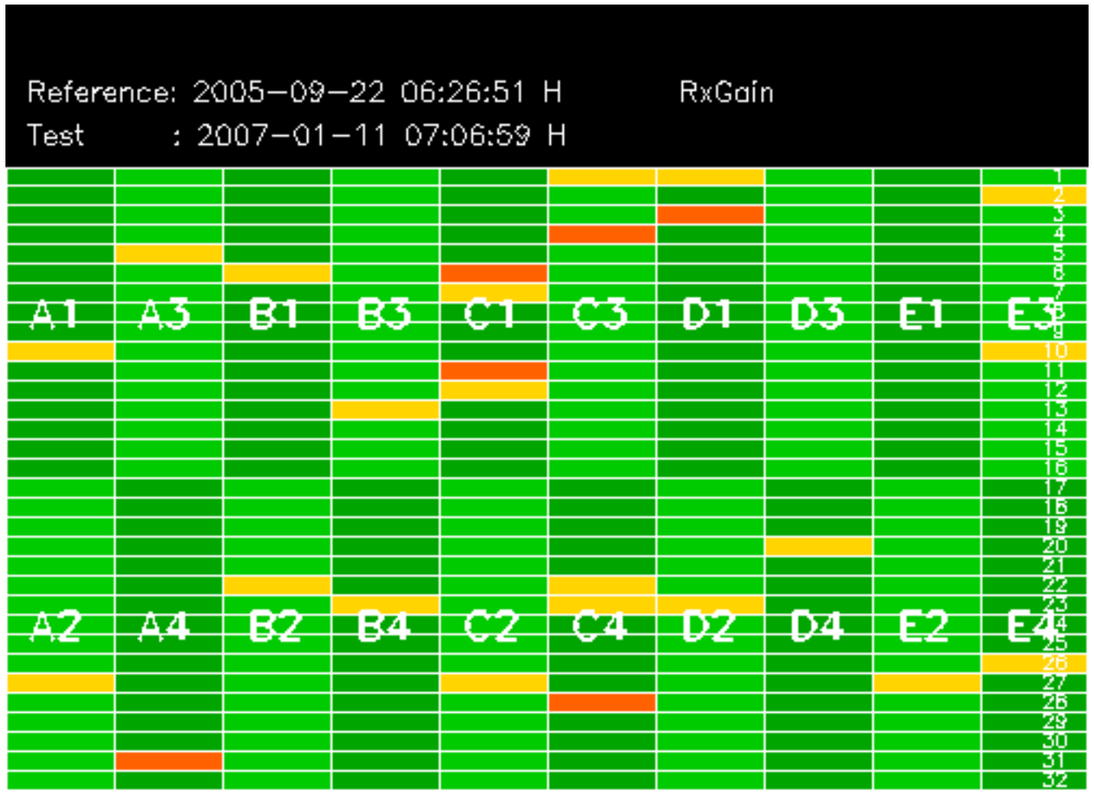

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −11.482718 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.459971 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-11 07:06:59 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
Test : 2007-01-11 07:06:59 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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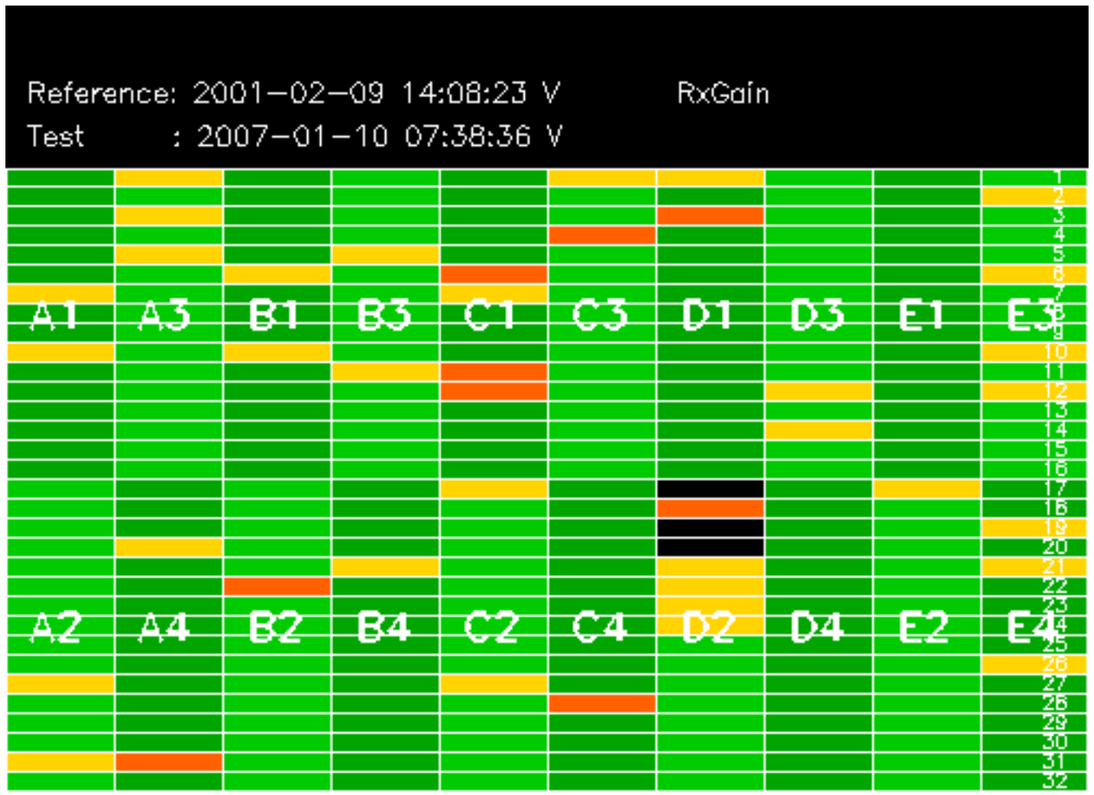
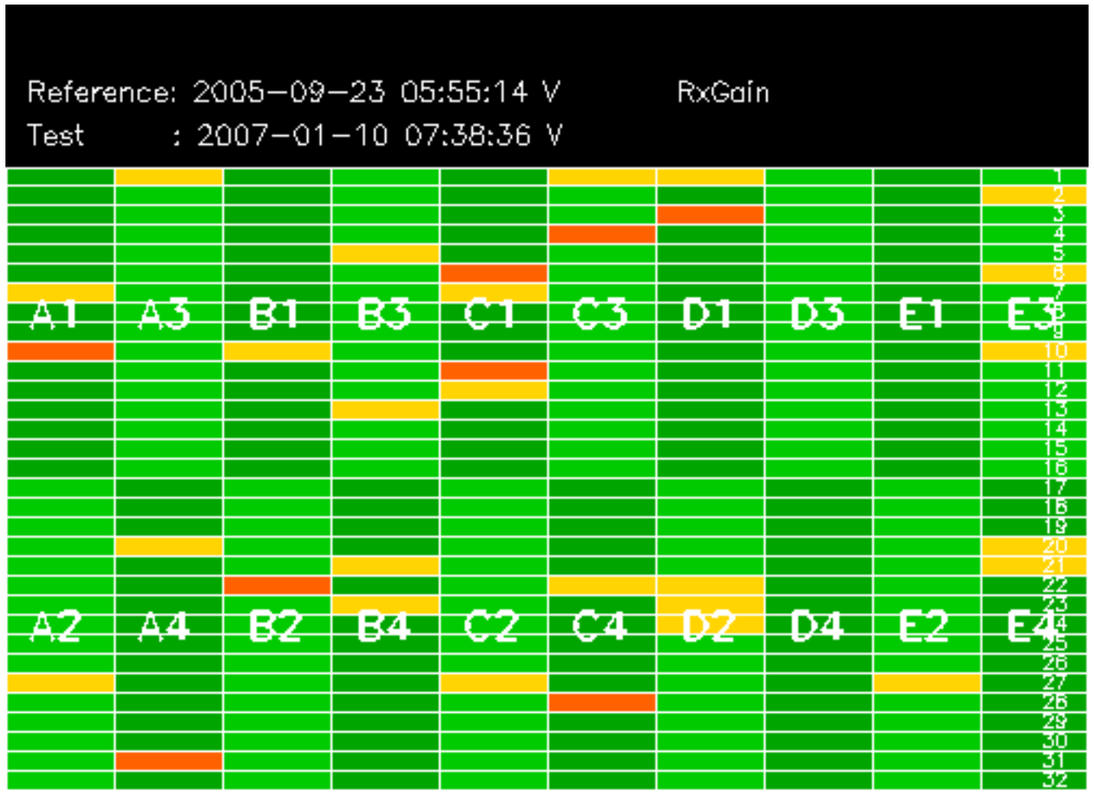
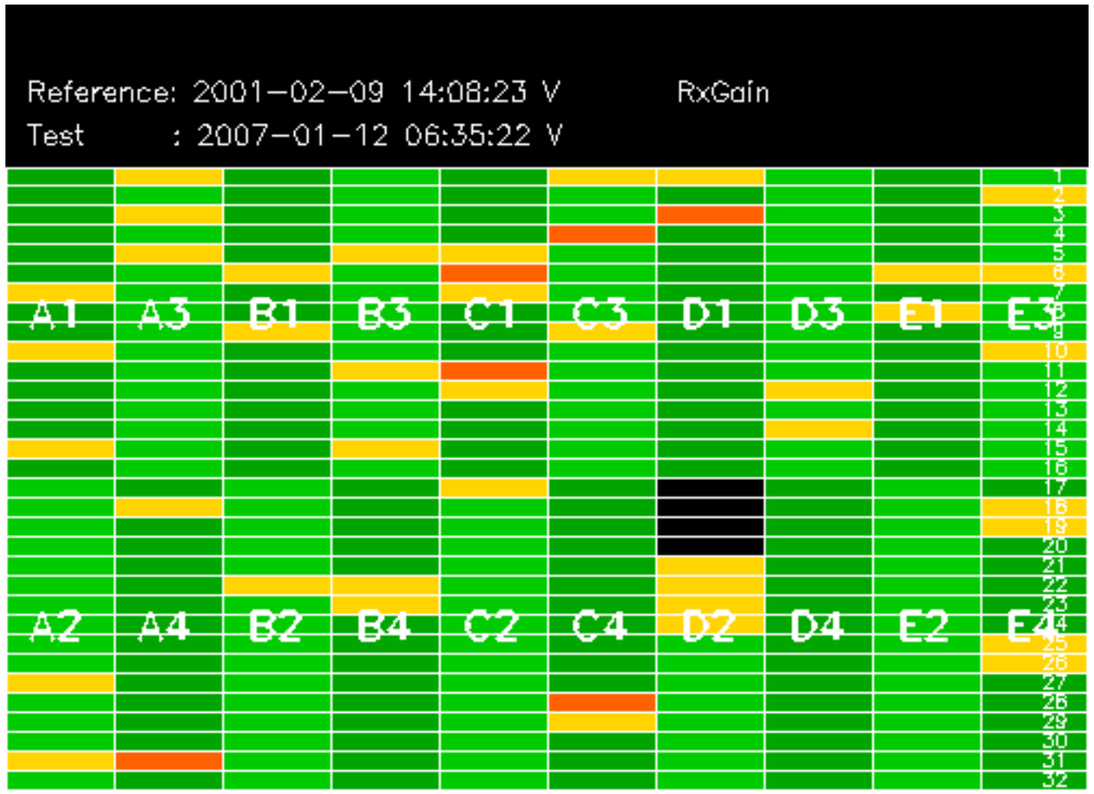
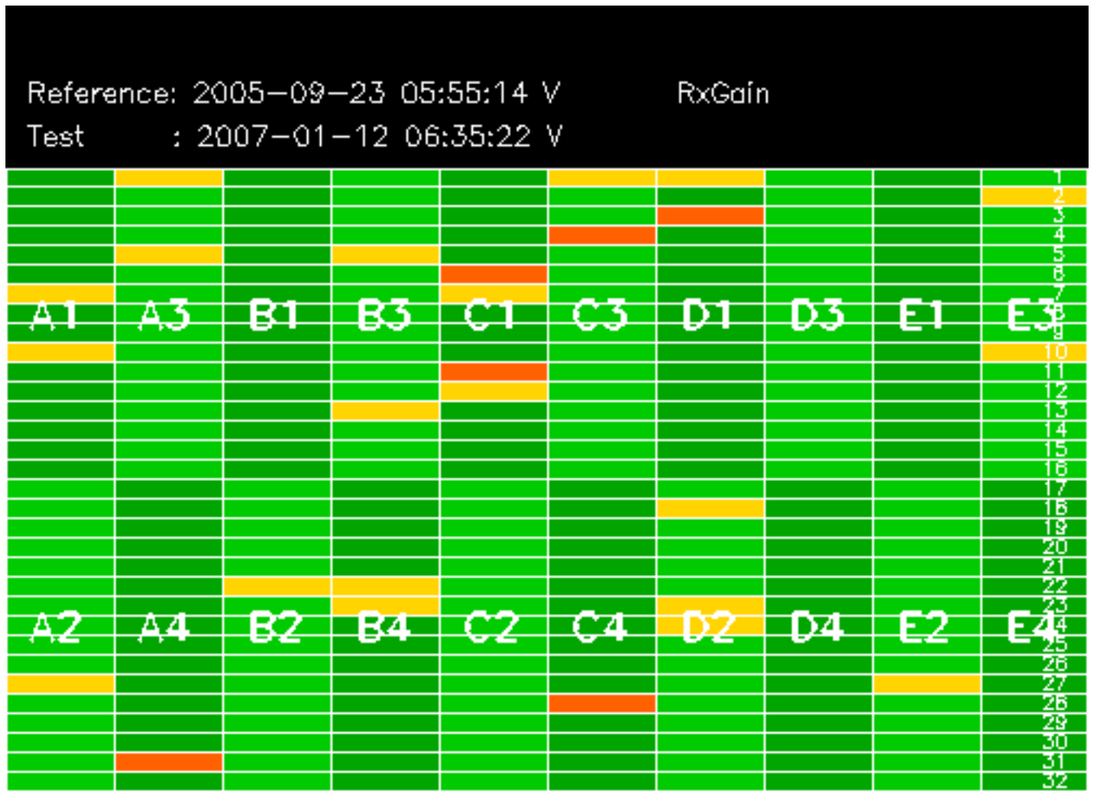

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-01-10 07:38:36 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-10 07:38:36 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 14:08:23 V
Test : 2007-01-12 06:35:22 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 : 2007-01-12 06:35:22 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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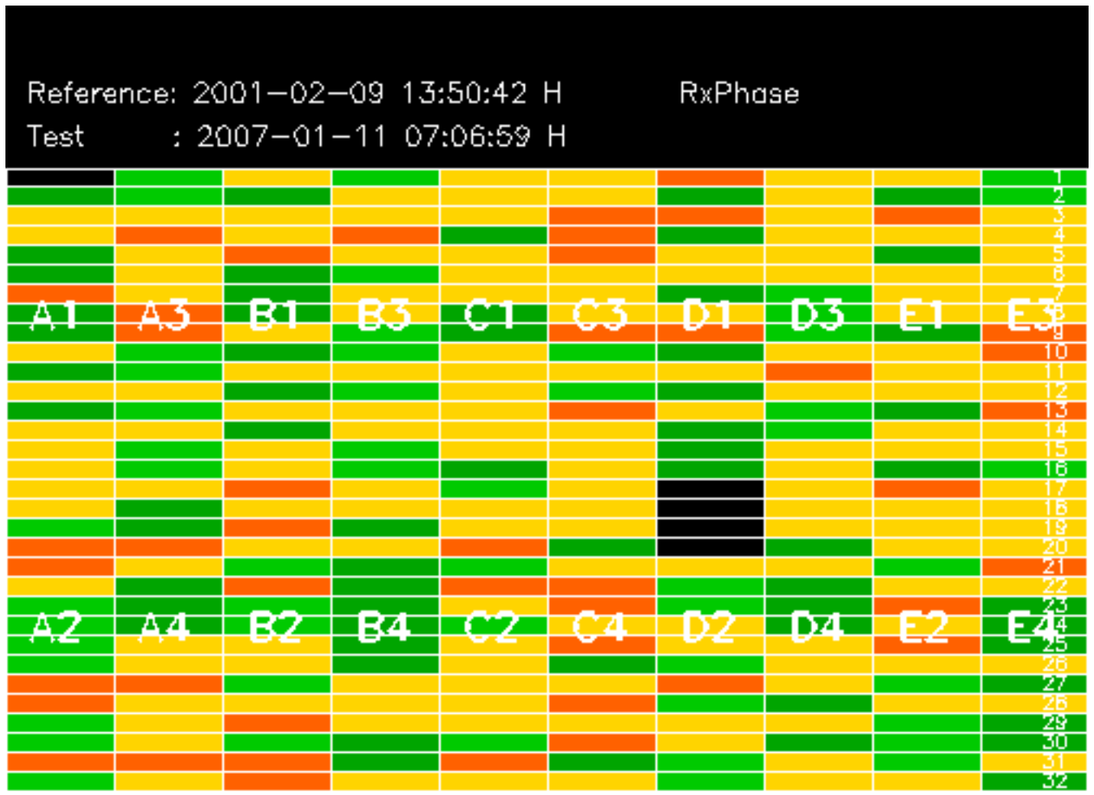
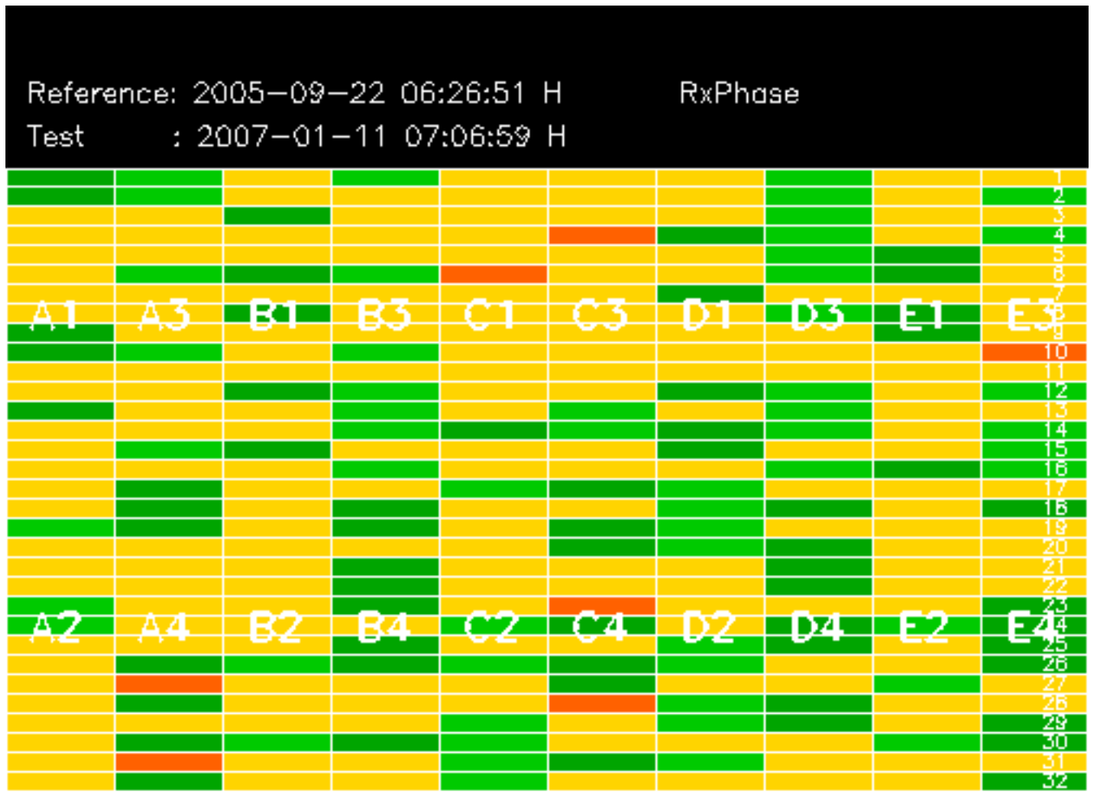
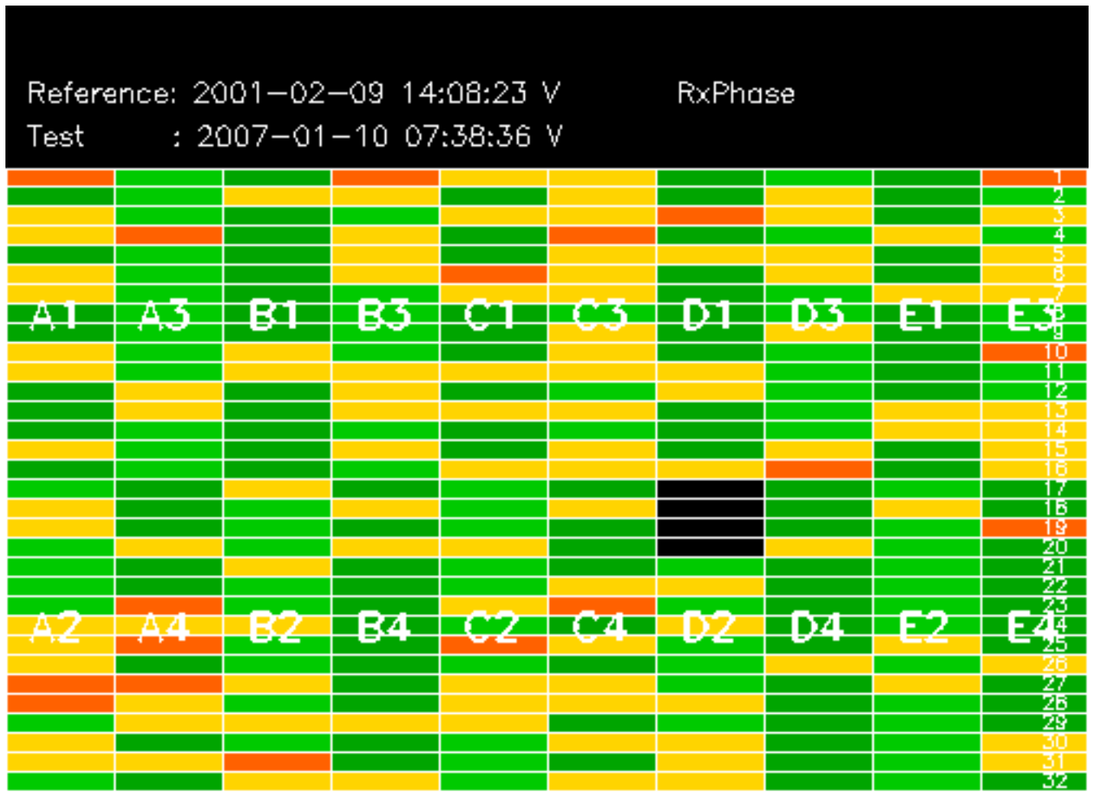

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-01-11 07:06:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-01-11 07:06:59 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 : 2007-01-10 07:38:36 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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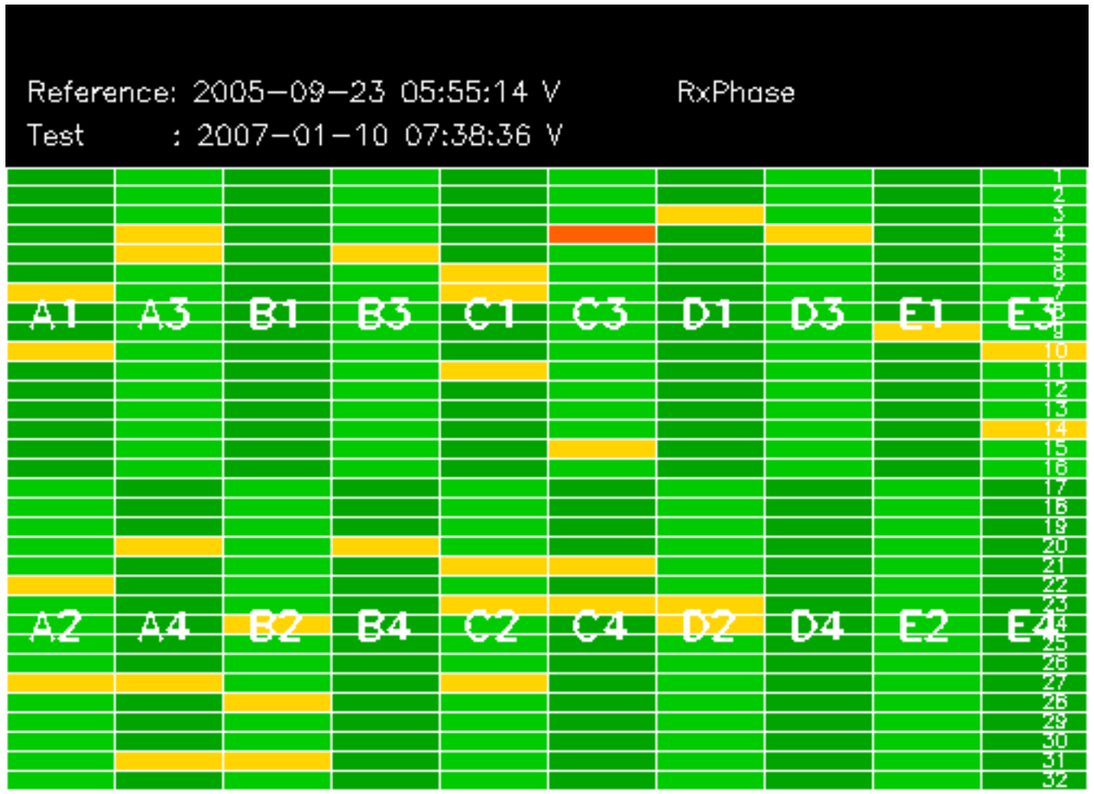
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-10 07:38:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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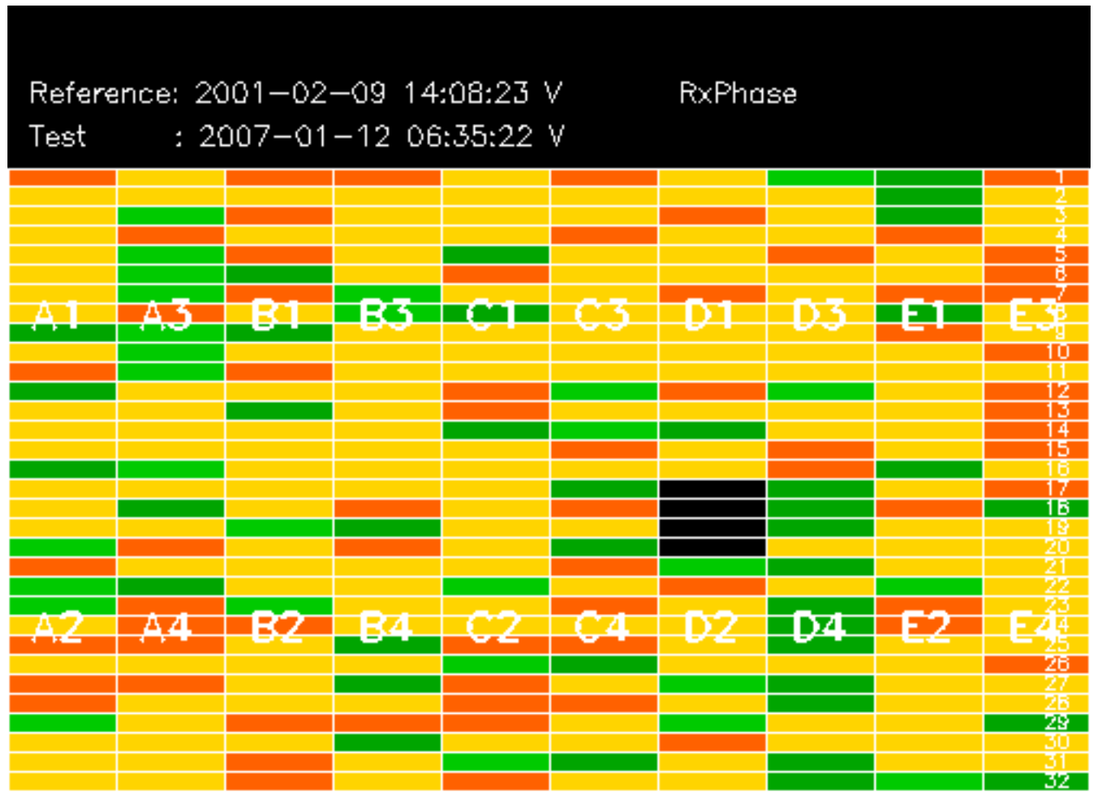
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-12 06:35:22 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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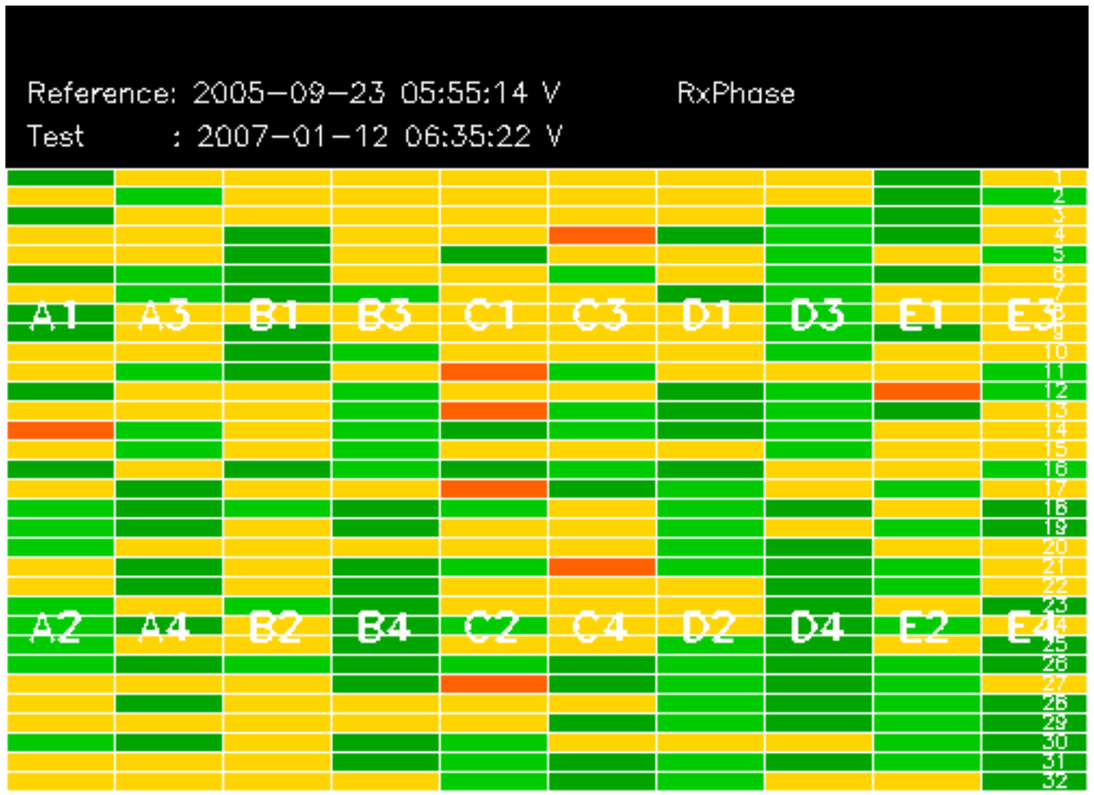
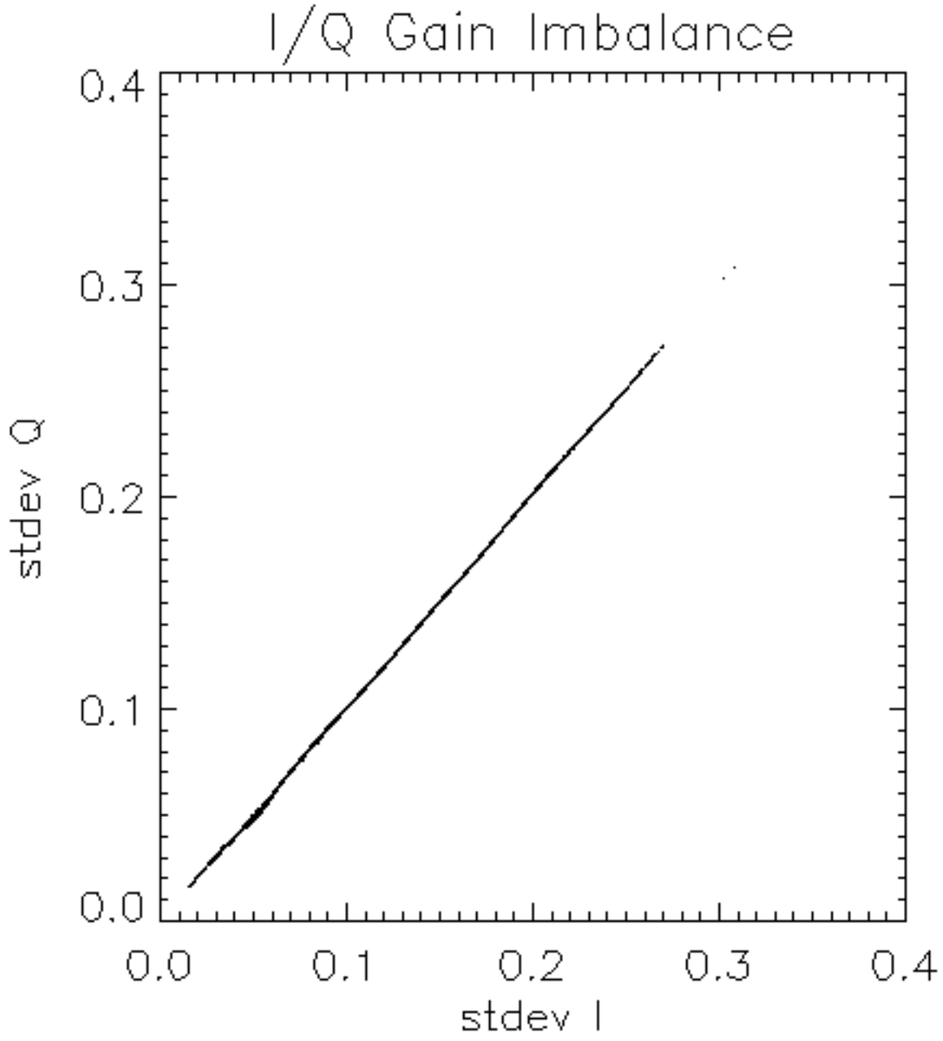
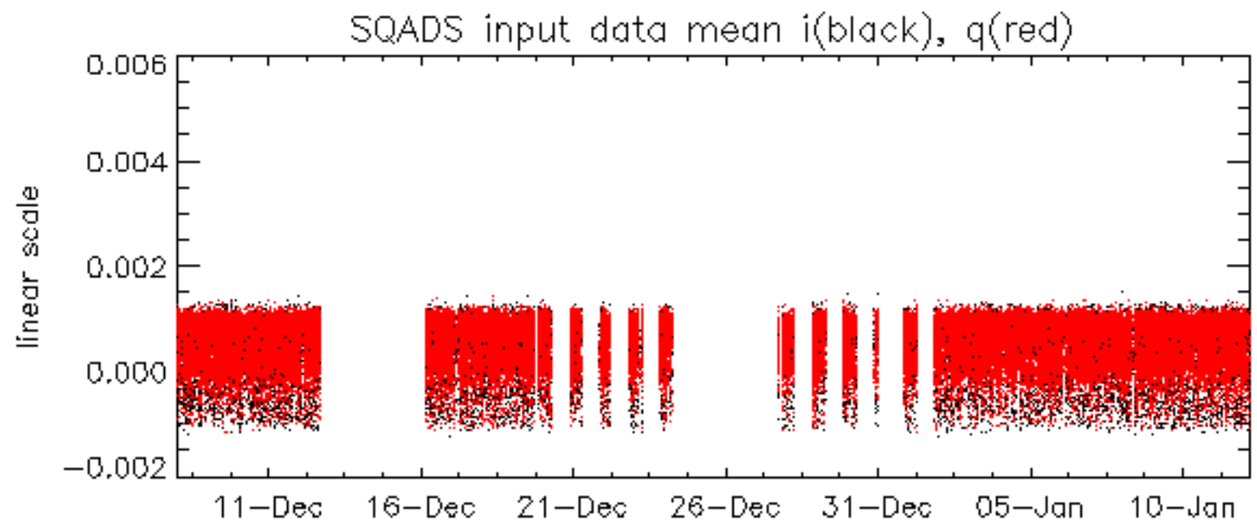
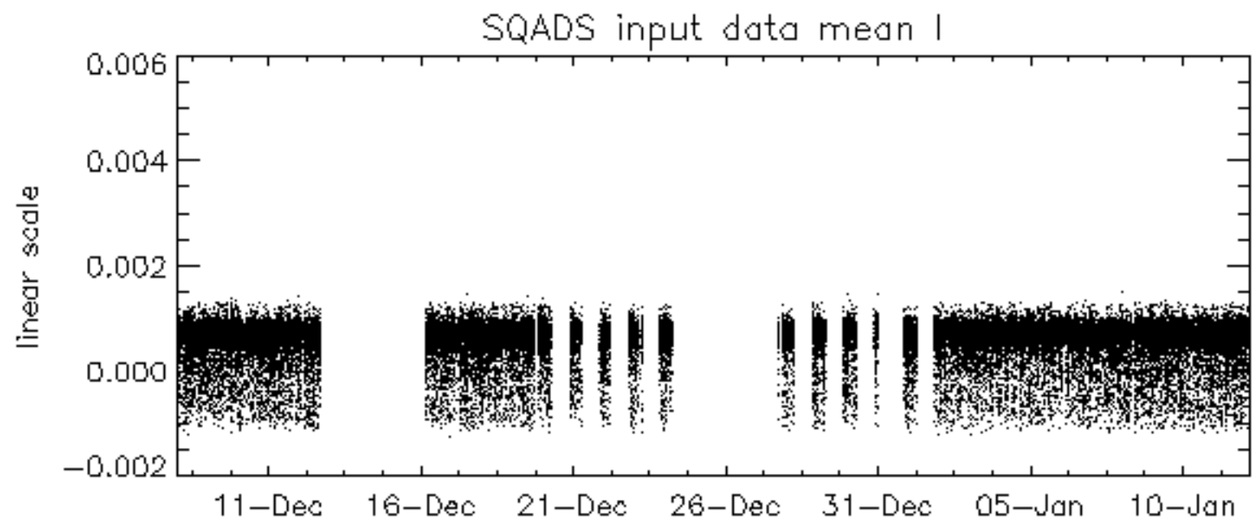
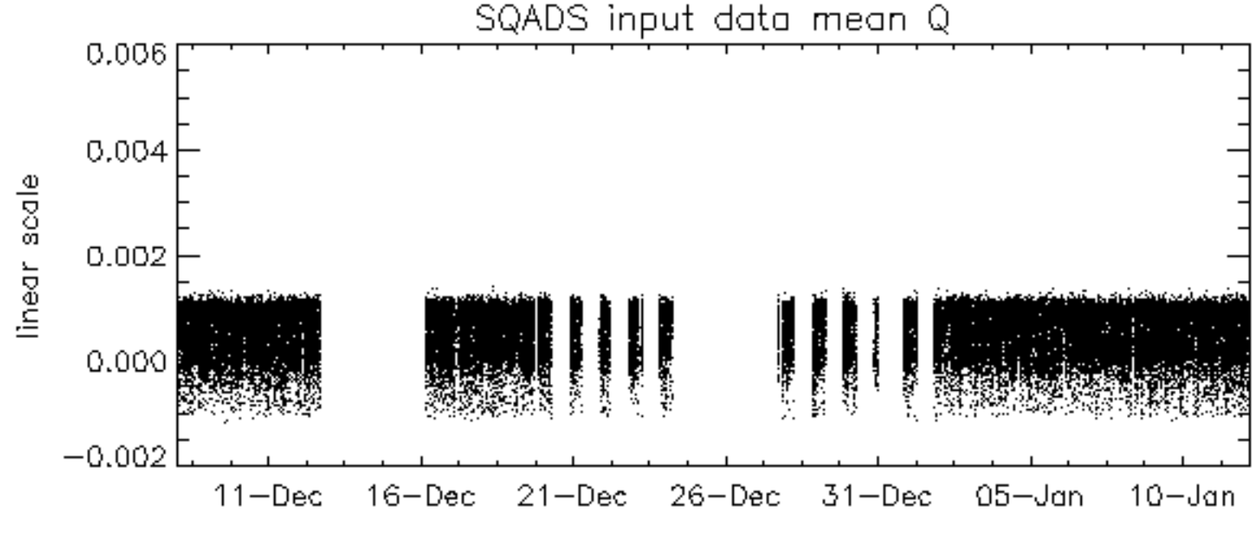
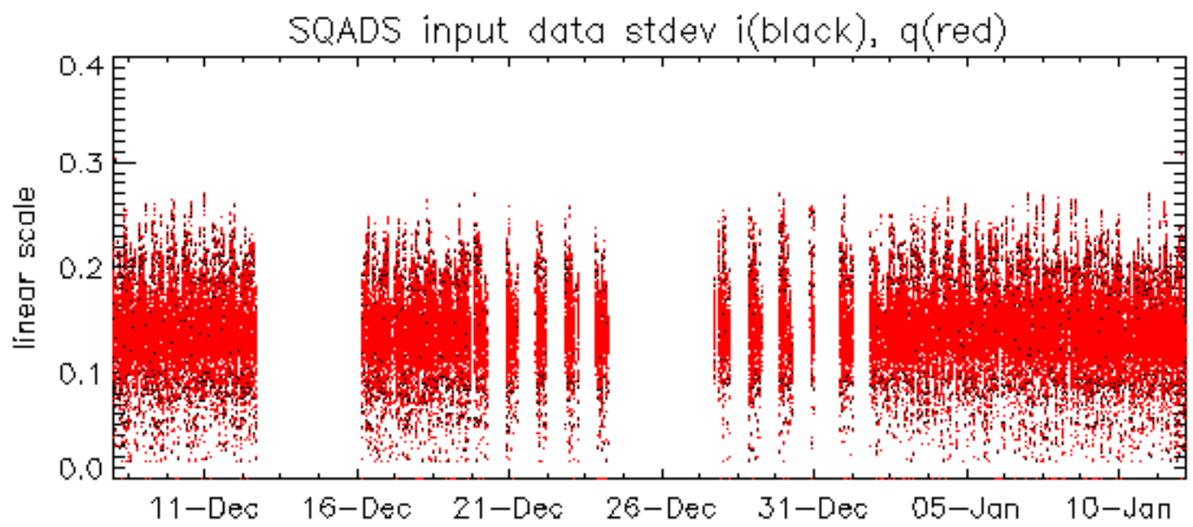

Reference: 2005-09-23 05:55:14 V
Test : 2007-01-12 06:35:22 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

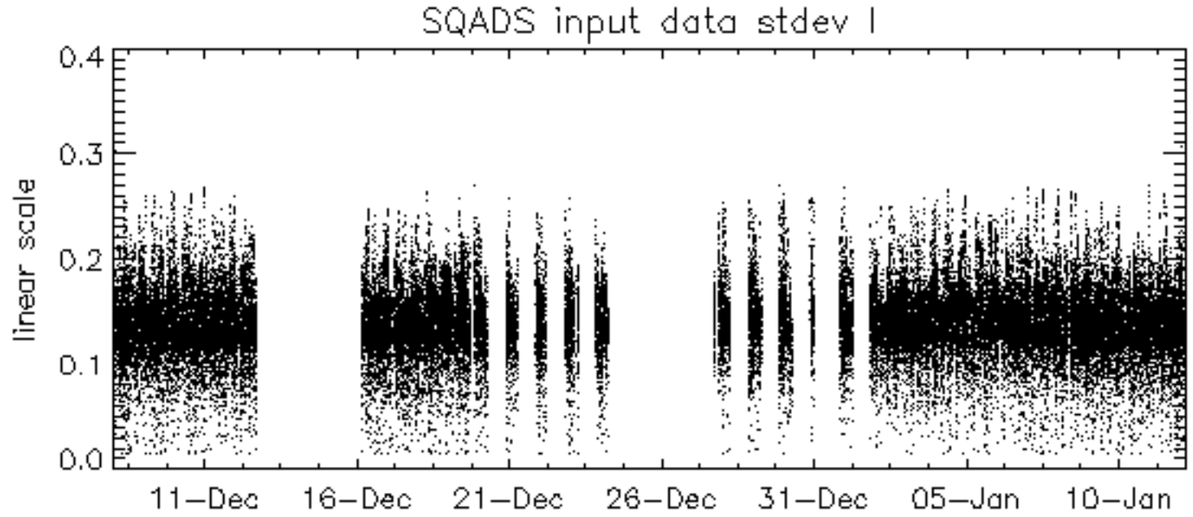

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

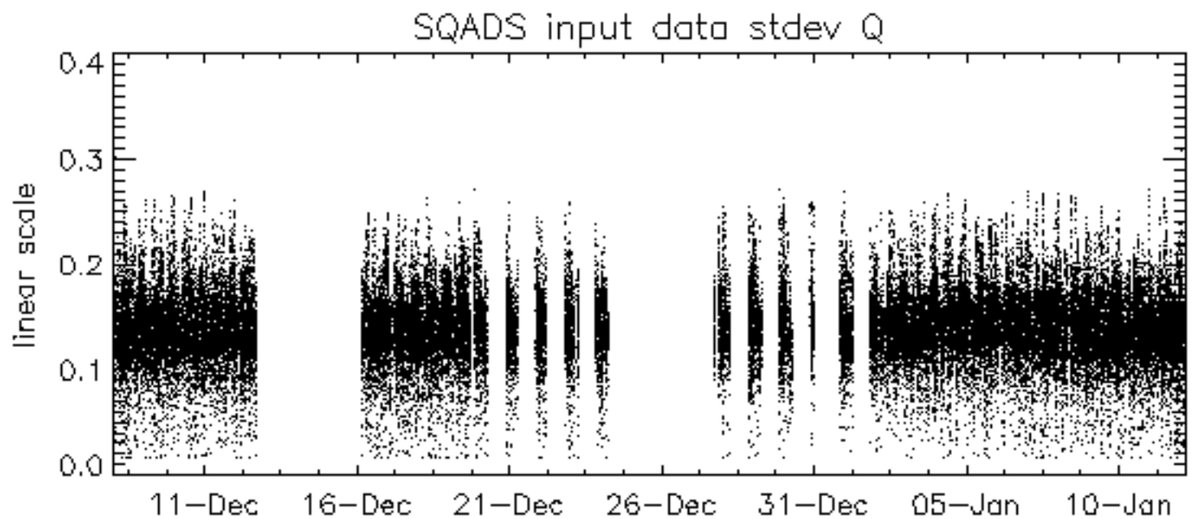

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan

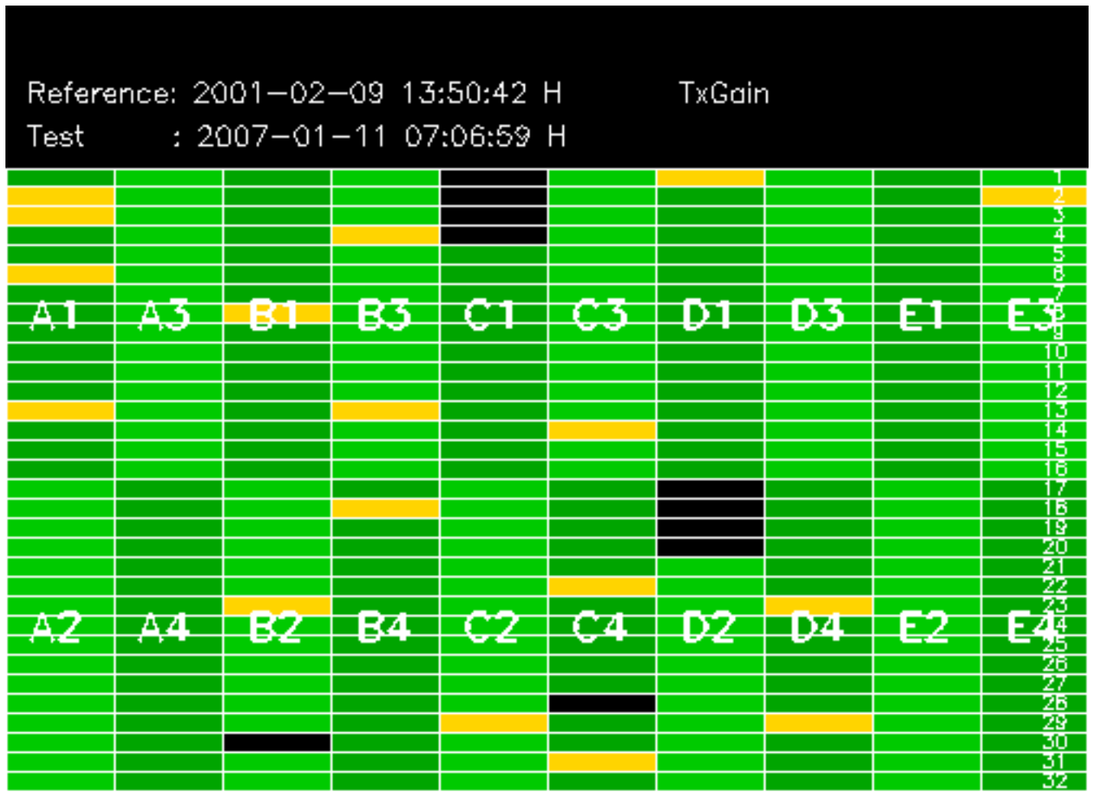

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
10−Jan


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-11 07:06:59 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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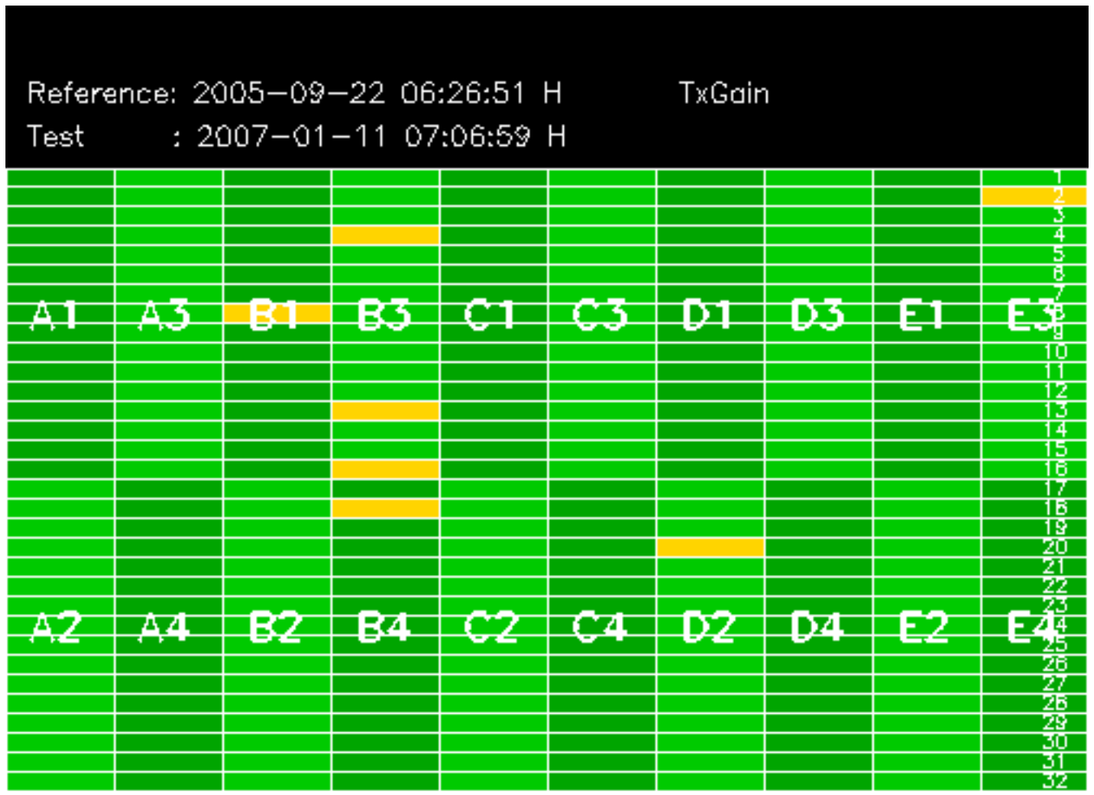
Reference: 2005-09-22 06:26:51 H
Test : 2007-01-11 07:06:59 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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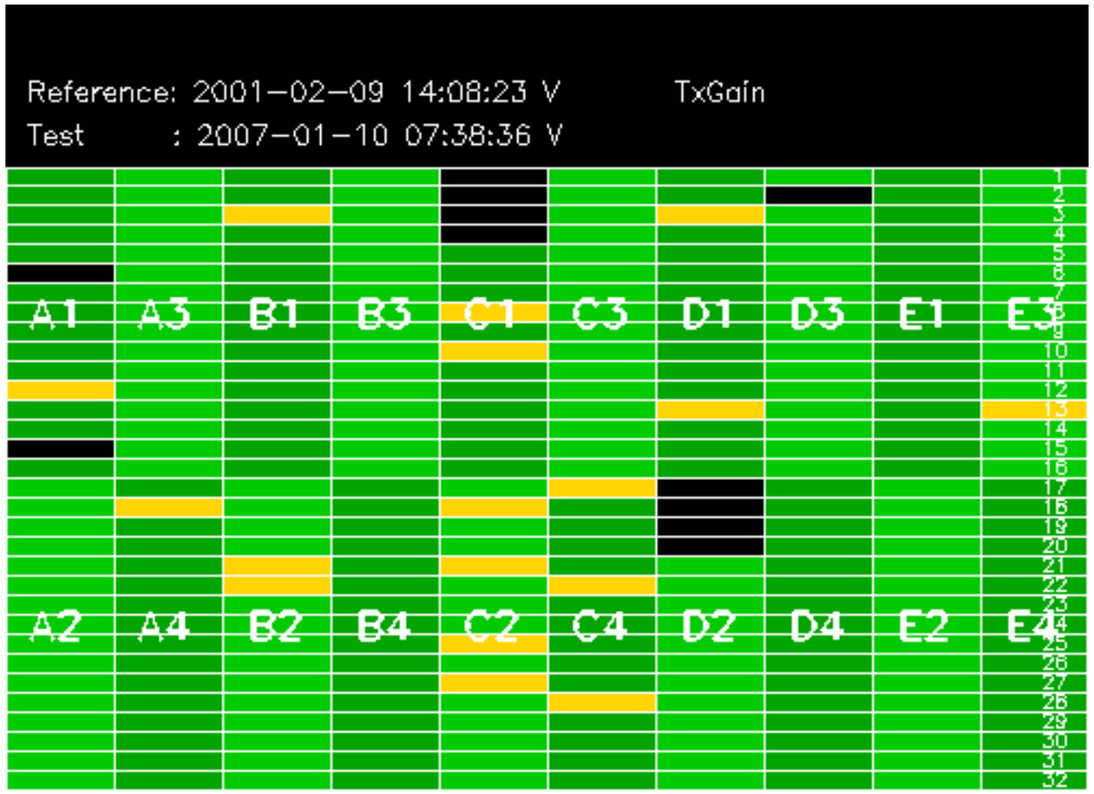
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-10 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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E4
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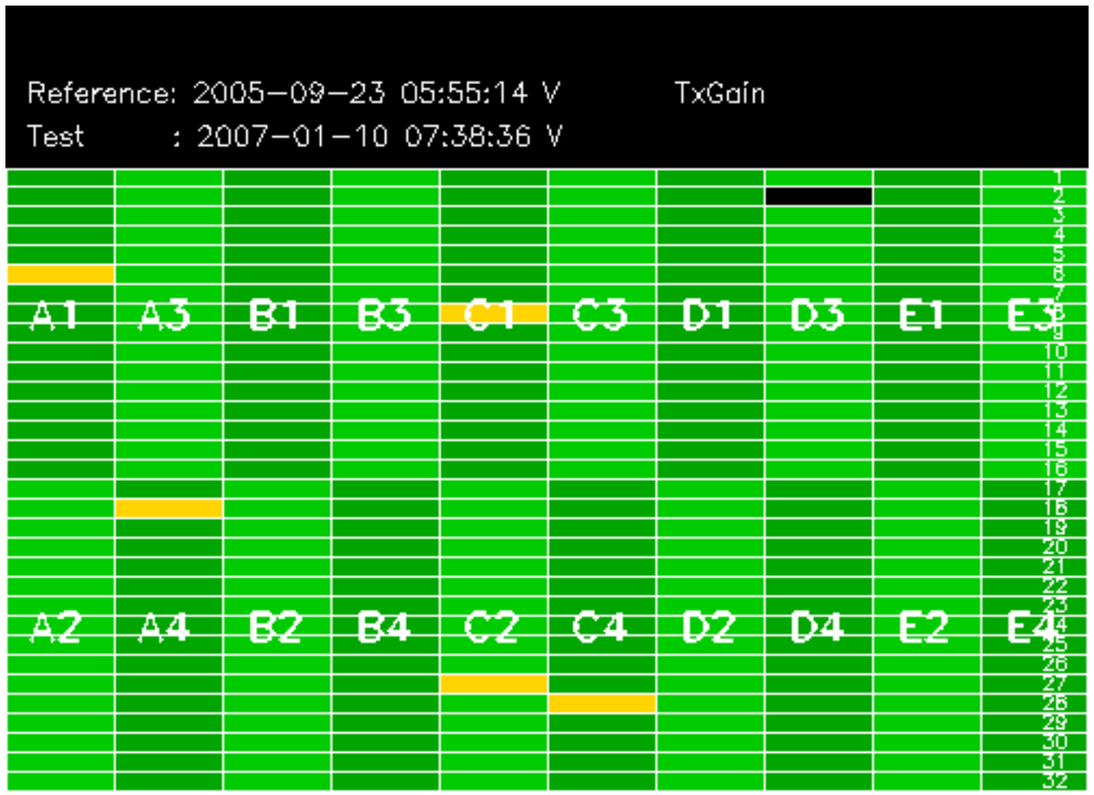
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-10 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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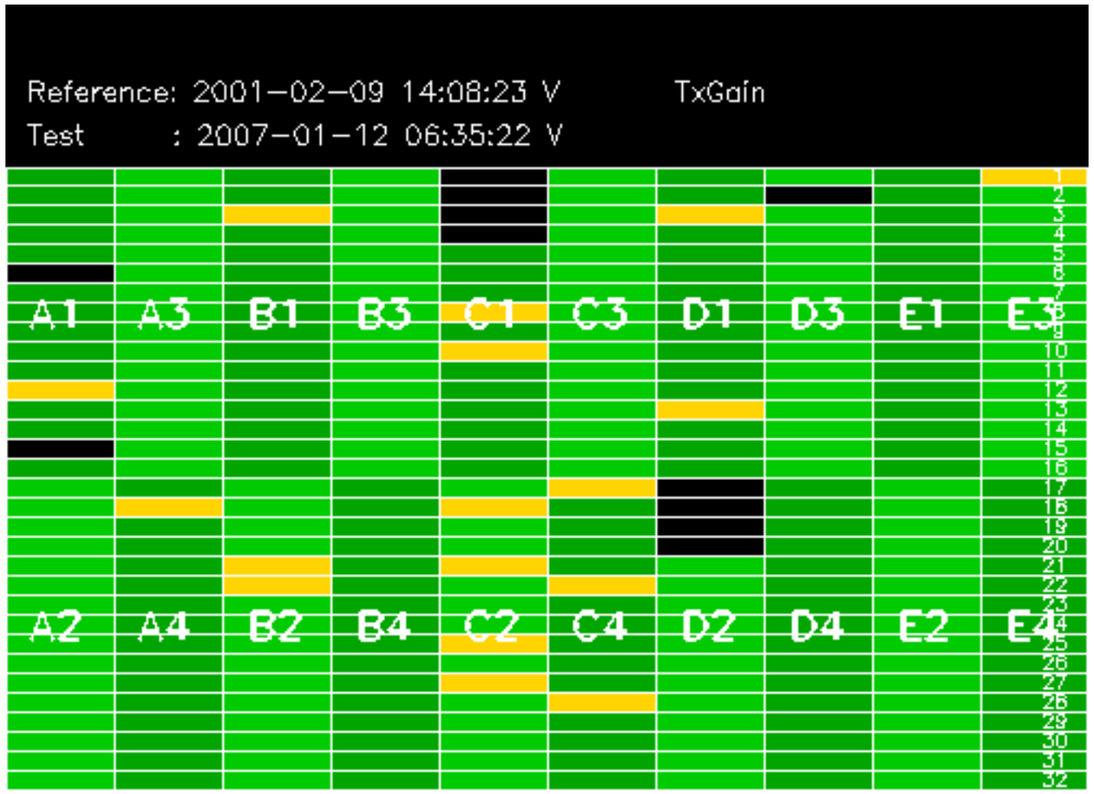
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-12 06:35:22 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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C4
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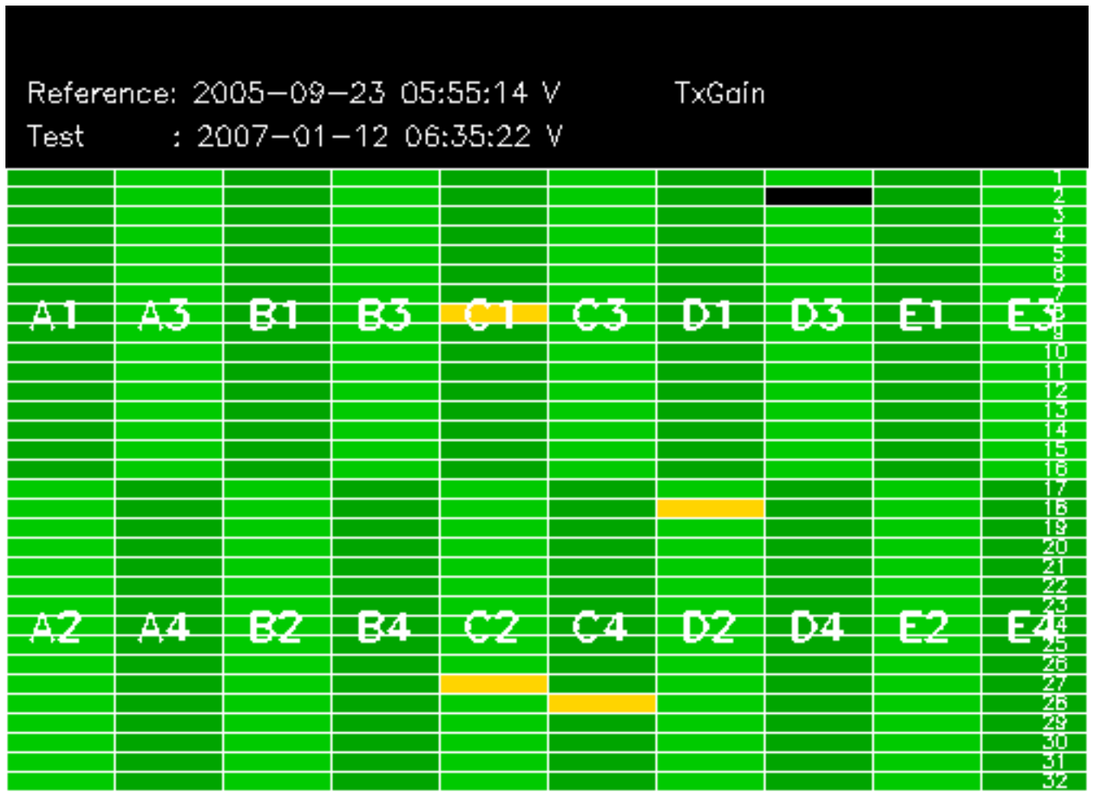
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-12 06:35:22 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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D4
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Summary of analysis for the last 3 days 2007011[012]
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_GM1_1PNPDK20070110_150643_000007062054_00326_25430_2010.N1 </td> <td>0 </td> <td>17 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070111_093819_000005432054_00337_25441_2629.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070112_072909_000005072054_00350_25454_3551.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070110_163701_000001582054_00327_25431_1812.N1 </td> <td>0 </td> <td>14 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070111_042351_000000672054_00334_25438_2884.N1 </td> <td>0 </td> <td>45 </td></tr>
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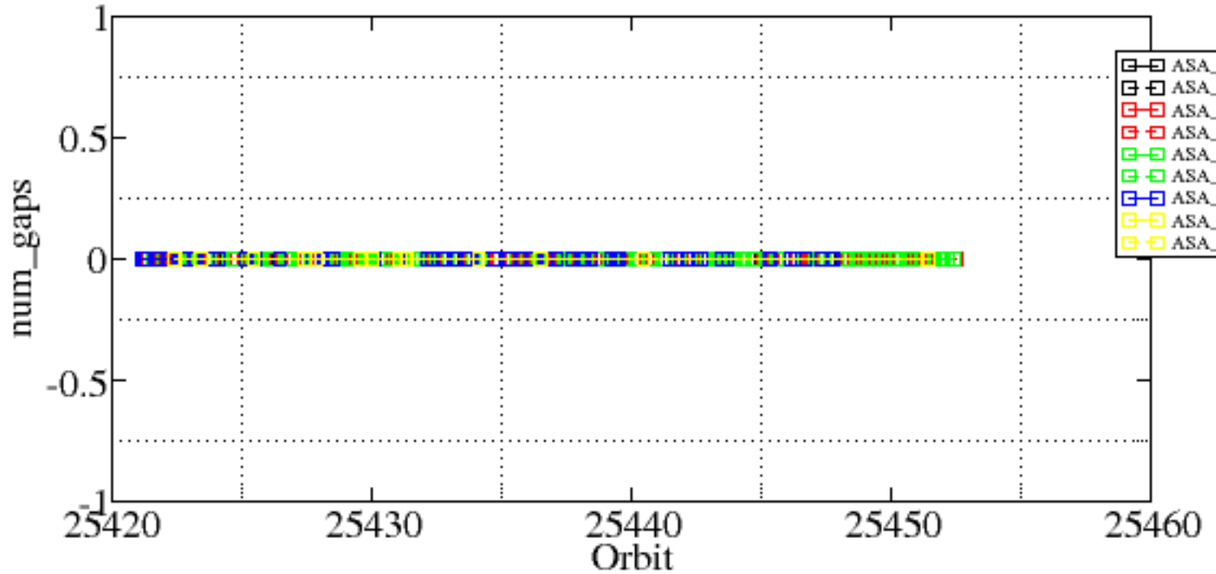
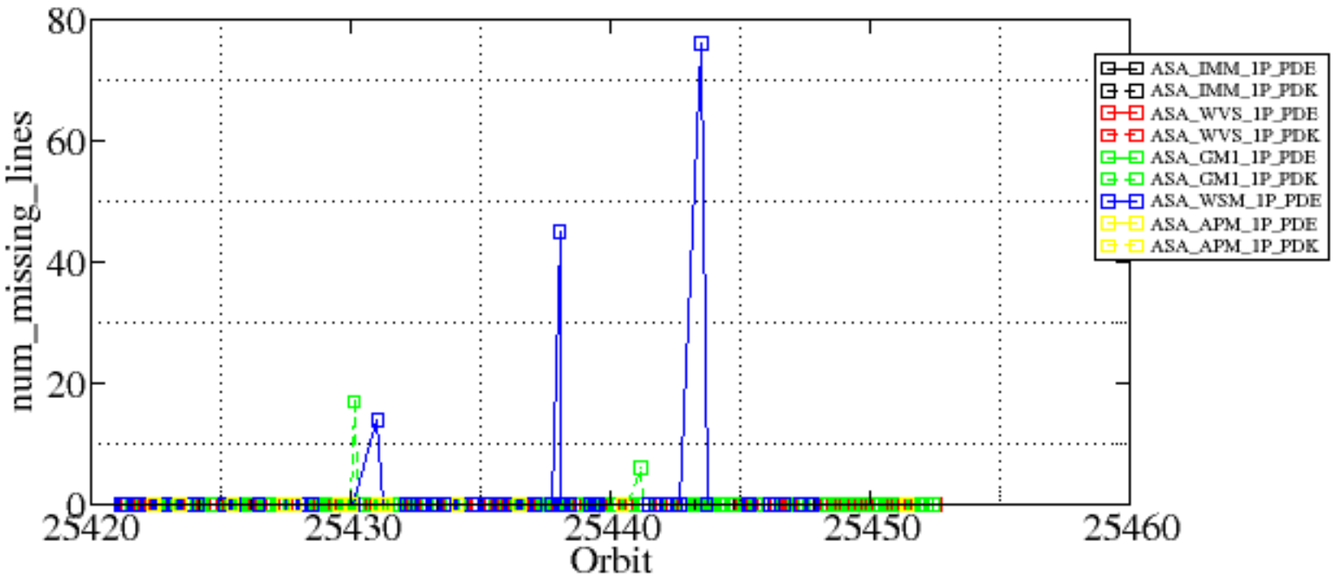
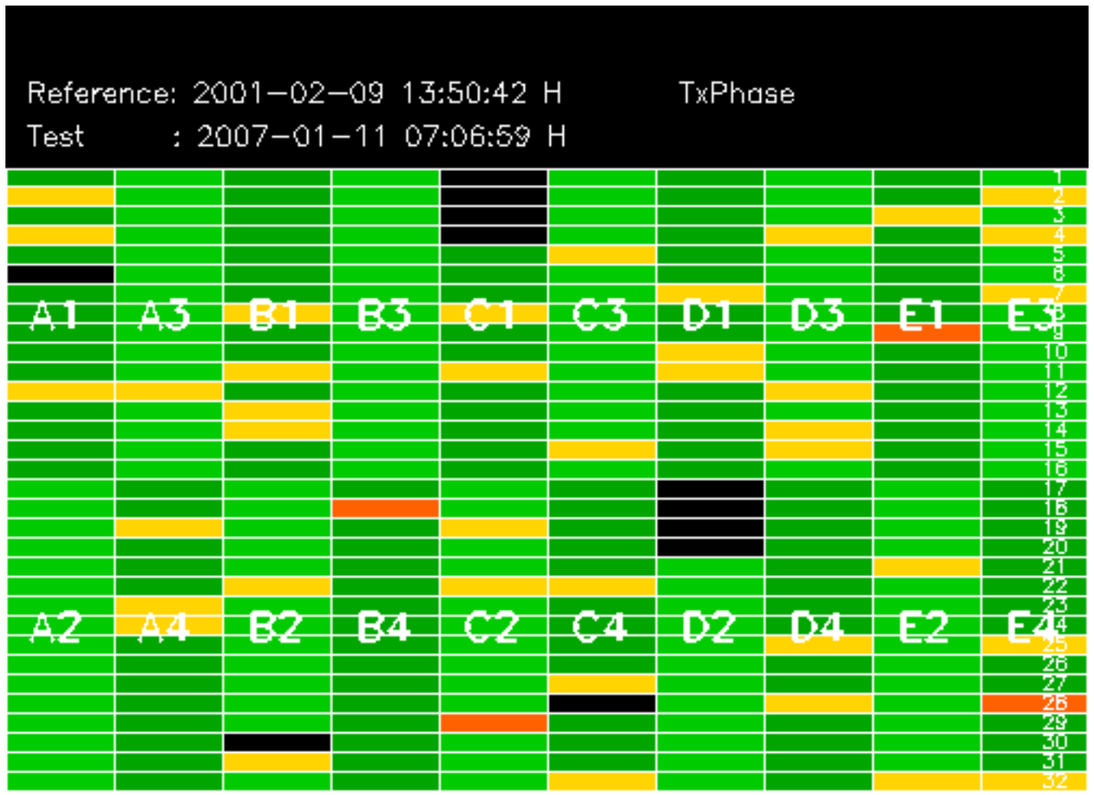
<tr> <td>ASA_WSM_1PNPDE20070111_133030_000000852054_00339_25443_3444.N1 </td> <td>0 </td> <td>76 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
25420
25430
25440
25450
25460
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
80
60
40
20
0
25420
25430
25440
25450
25460
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-11 07:06:59 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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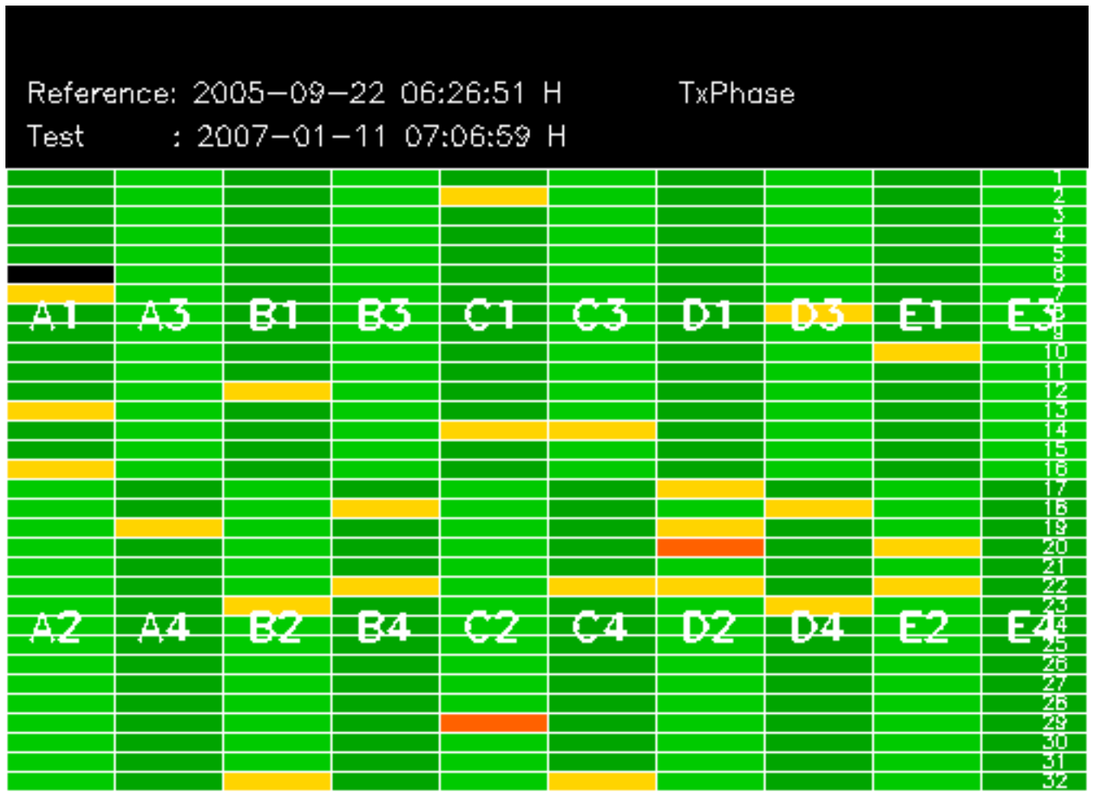
Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-01-11 07:06:59 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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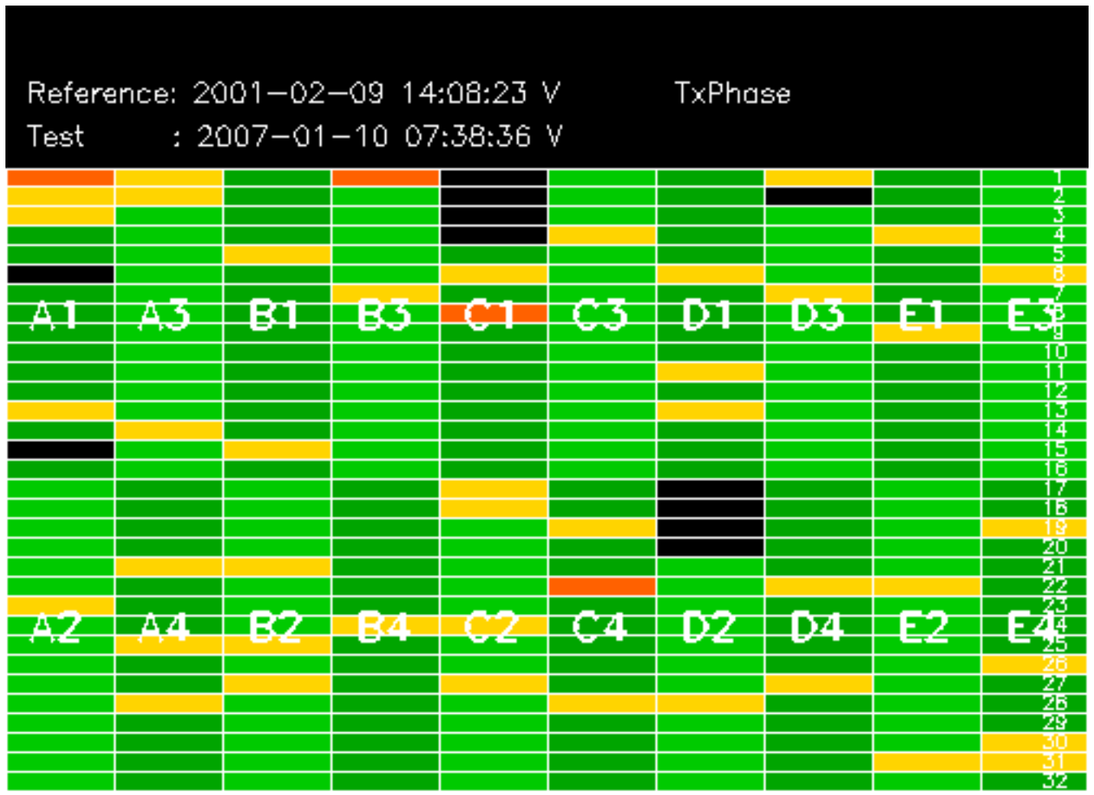
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-10 07:38:36 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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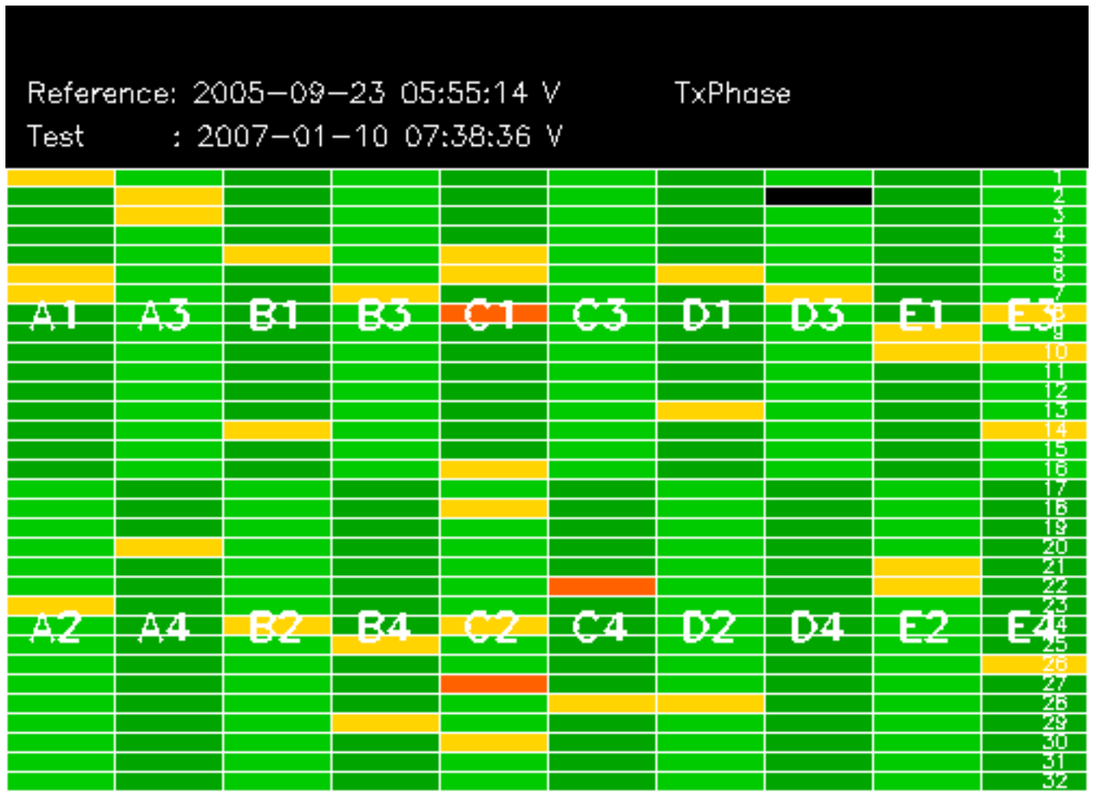
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-10 07:38:36 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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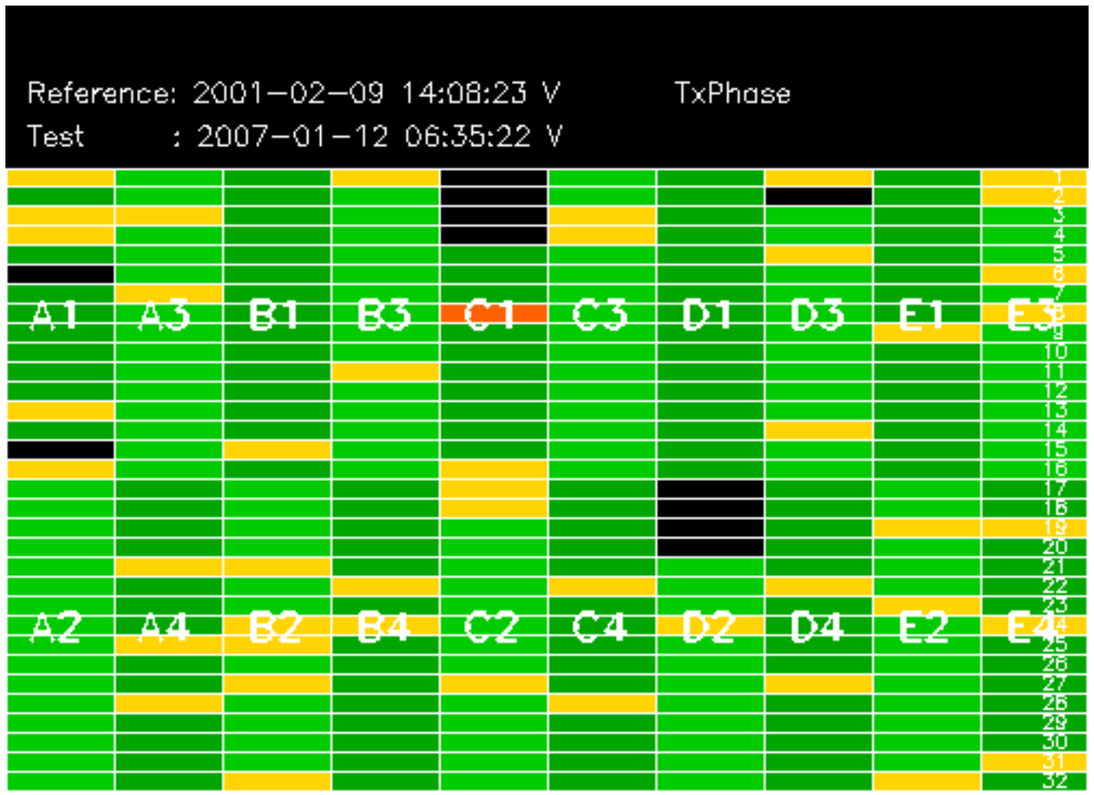
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-12 06:35:22 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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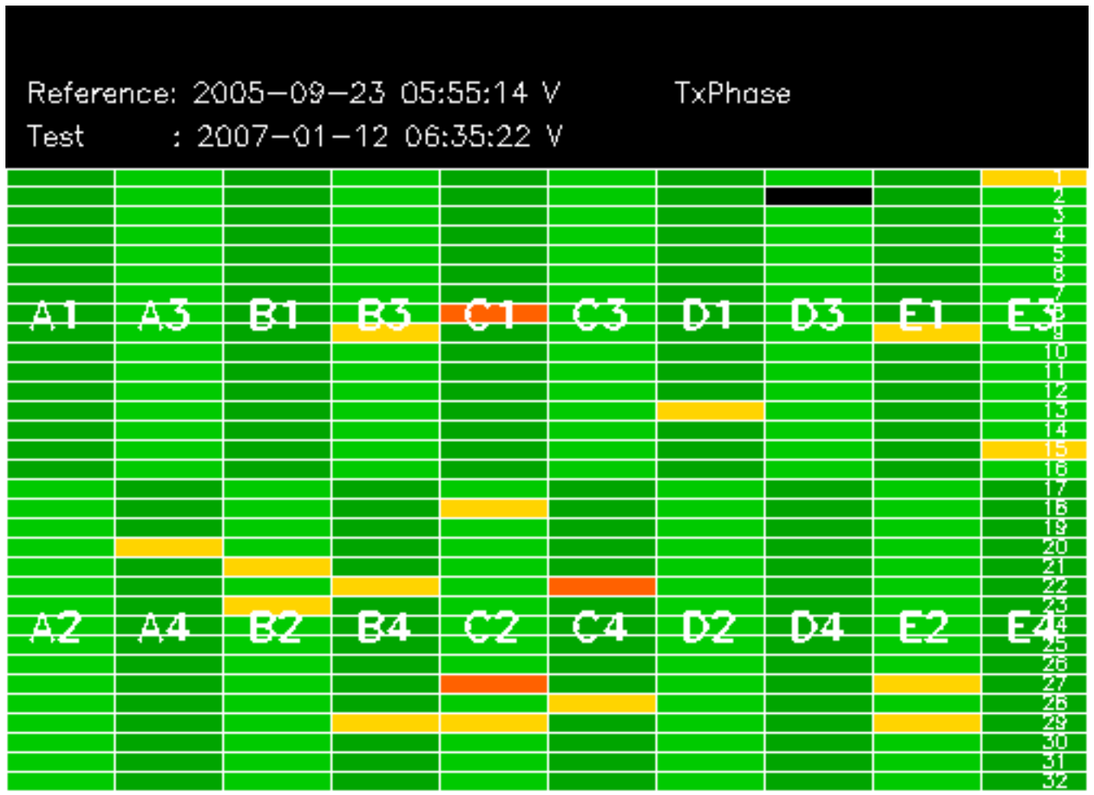
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-12 06:35:22 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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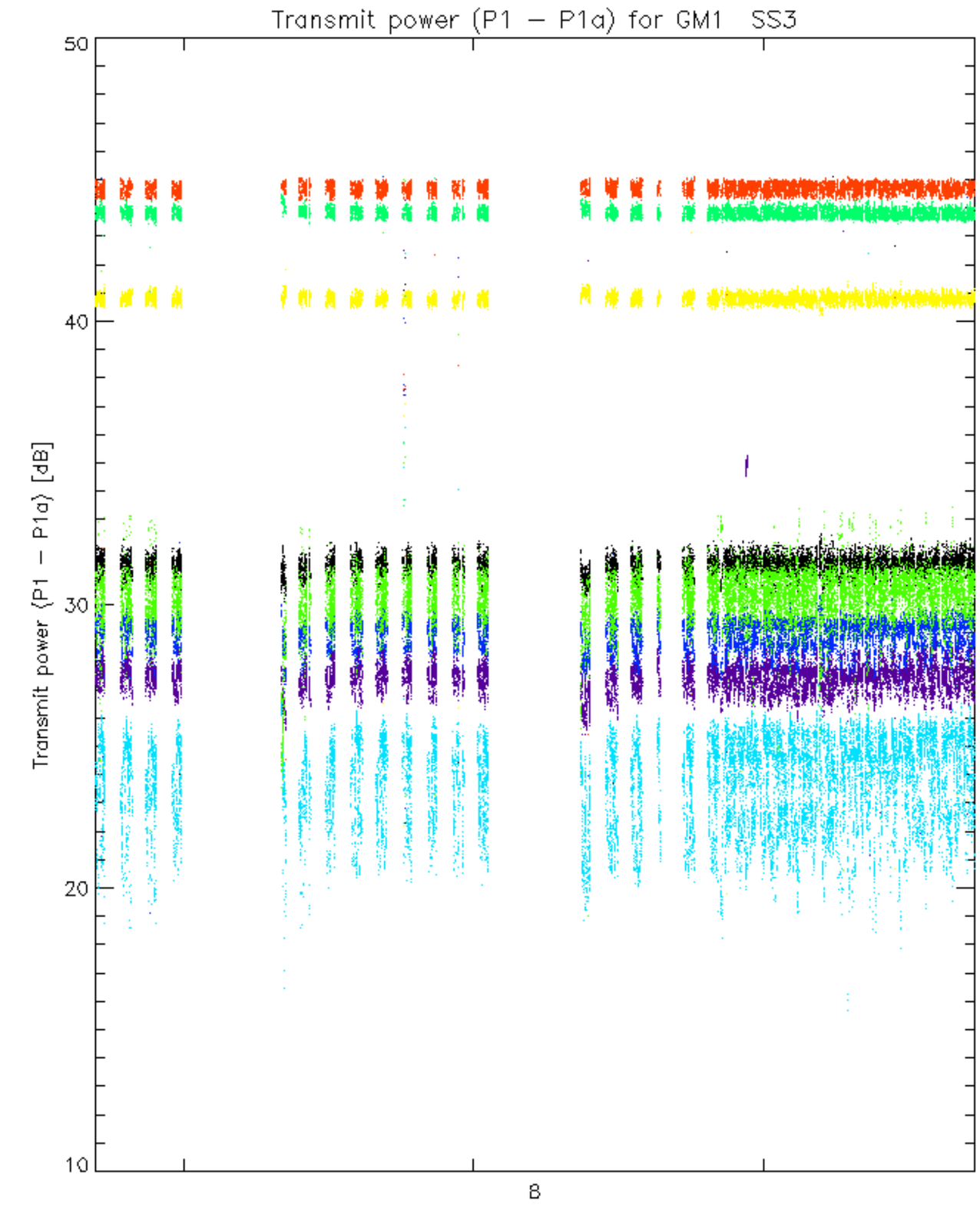
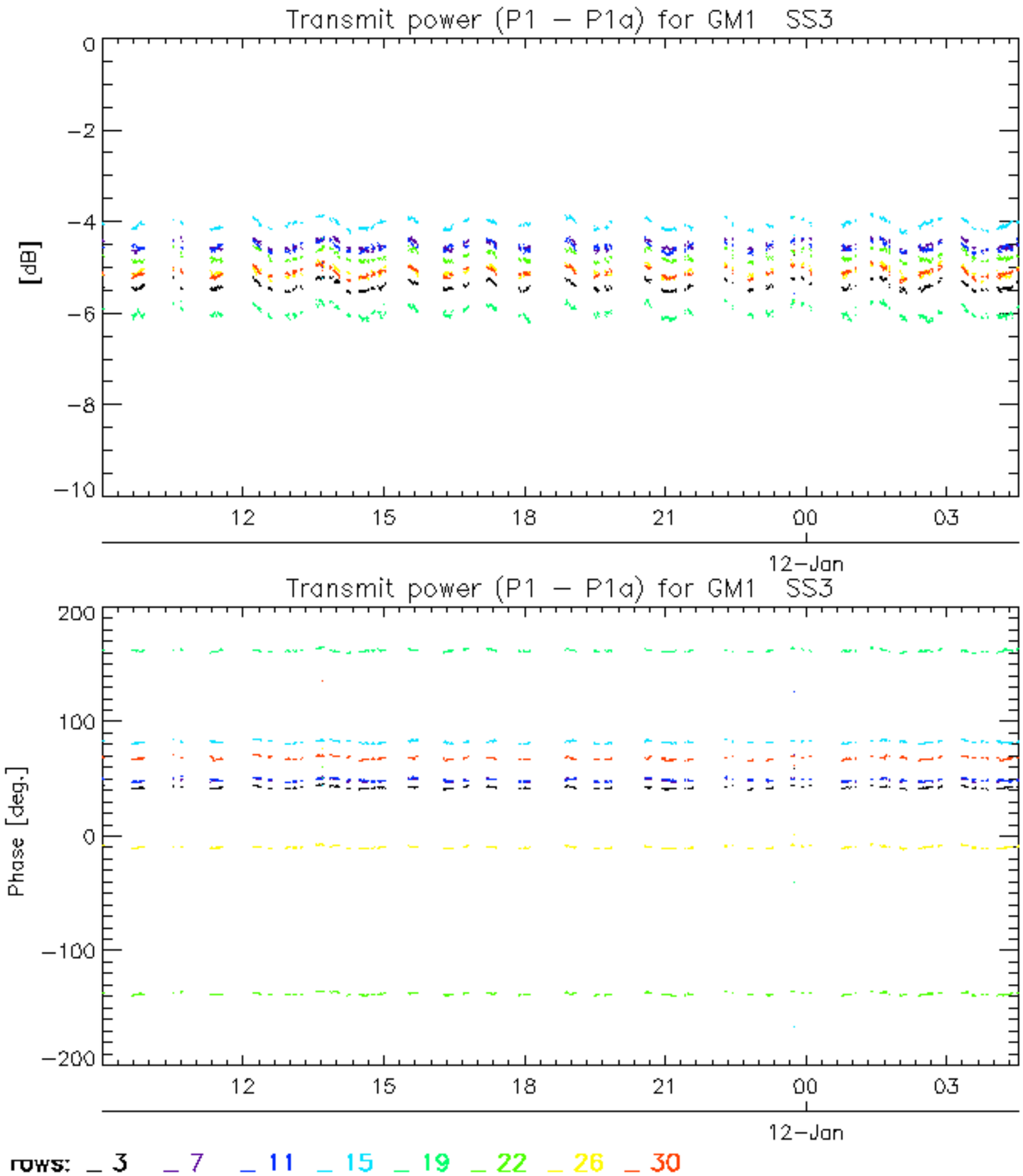
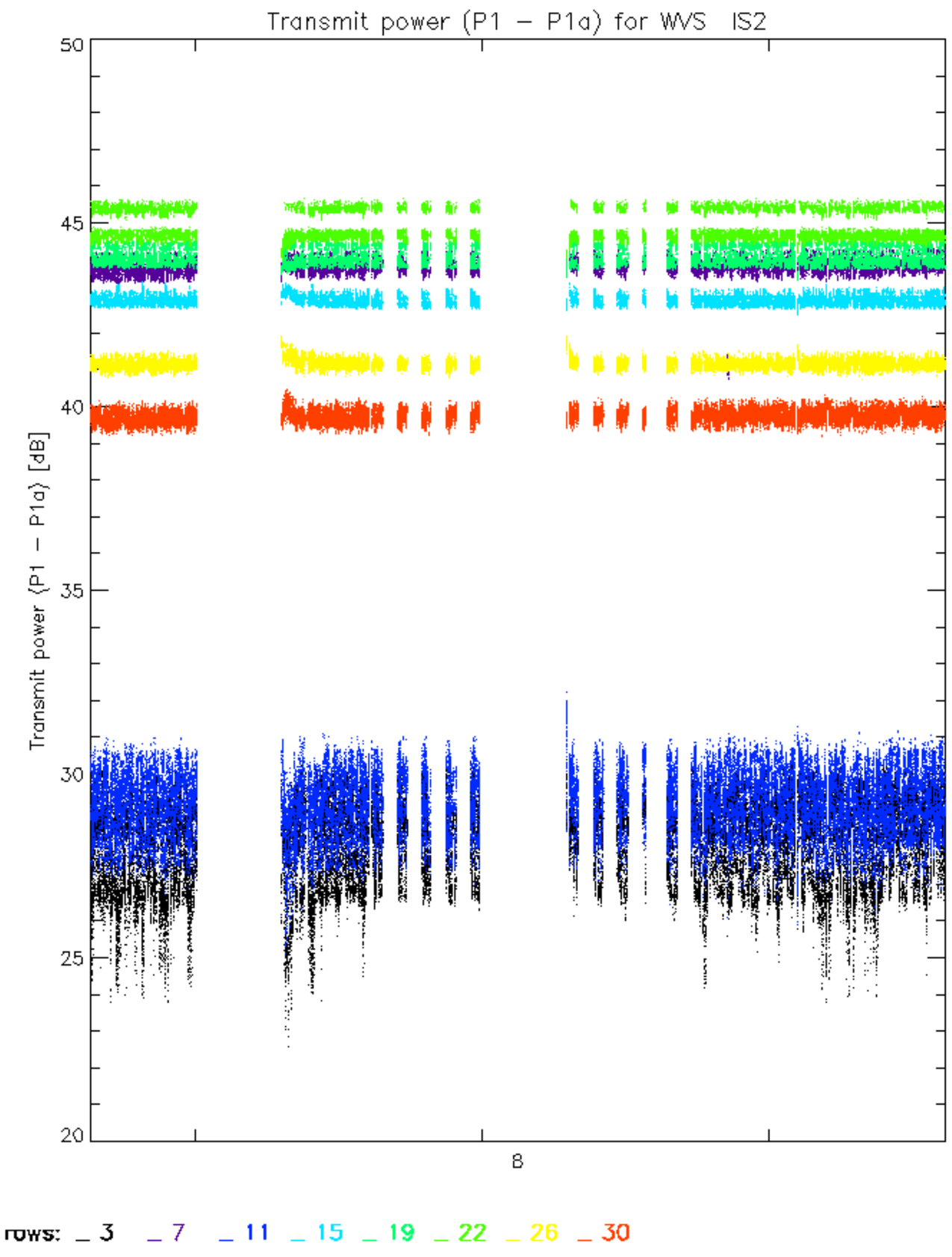
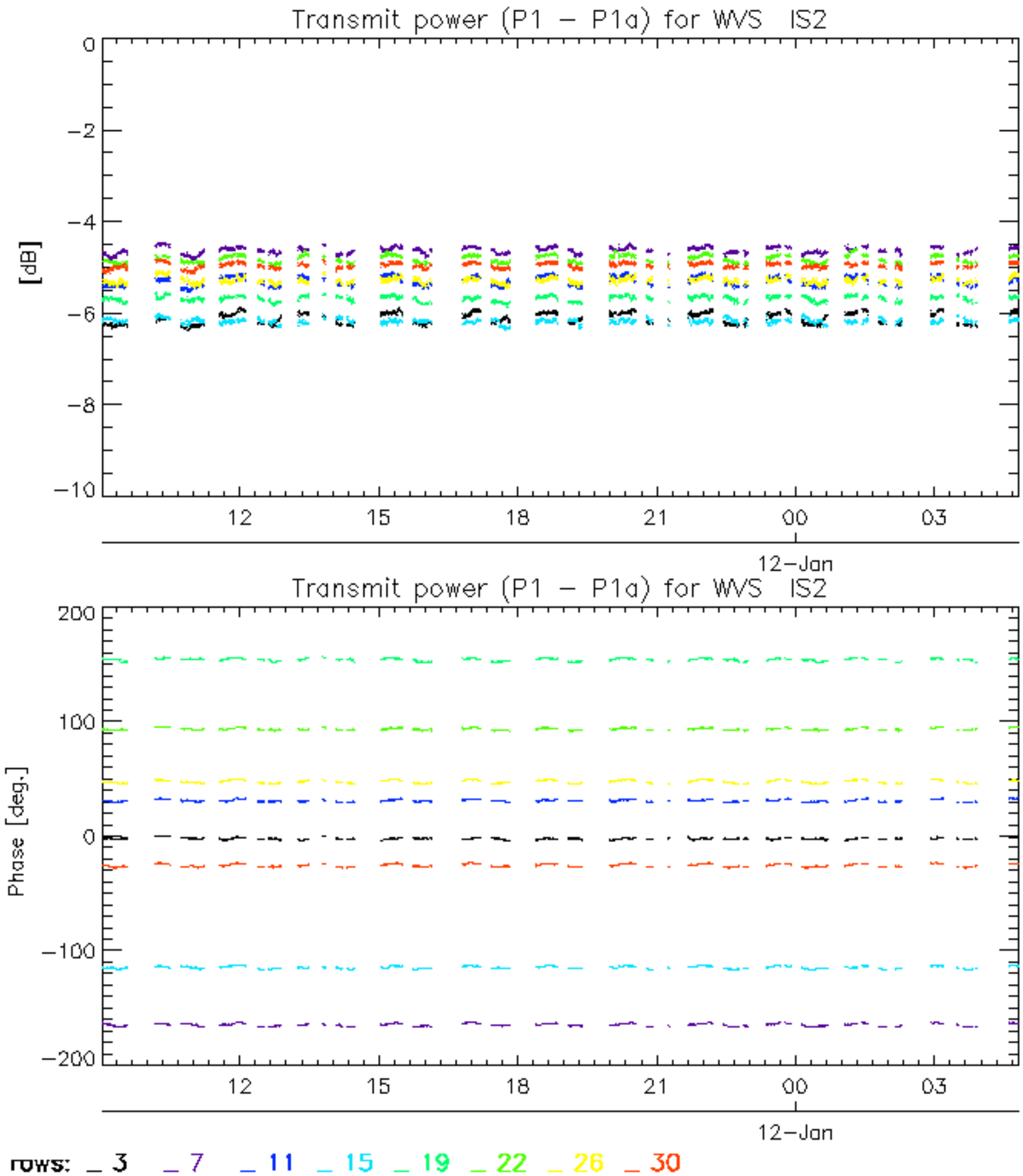

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
8
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
12
15
18
21
00
03
12−Jan
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
12
15
18
21
00
03
12−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
8
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
12
15
18
21
00
03
12–Jan
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
12
15
18
21
00
03
12–Jan
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.