PRELIMINARY REPORT OF 070206

last update on Tue Feb 6 16:18:13 GMT 2007

Due to an ASAR test acquisition campaign, the daily analysis on WVS products
will be based on IS4 instead of IS2 during the following periods:

From orbit 25621 (23-Jan-2007) to 25720 (30-Jan-2007) in HH polarization
From orbit 26122 (27-Feb-2007) to 26221 (06-Mar-2007) in HH polarization
From orbit 25721 (30-Jan-2007) to 25820 (06-Feb-2007) in VV polarization
From orbit 26222 (06-Mar-2007) to 26321 (13-Mar-2007) in VV polarization

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 2007-02-05 00:00:00 to 2007-02-06 16:18:13

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	38	82	9	5	26
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	38	82	9	5	26
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	82	9	5	26
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	38	82	9	5	26

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	47	59	47	13	55
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	47	59	47	13	55
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	59	47	13	55
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	47	59	47	13	55

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	20070205 054044
H	20070206 050907

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)
3	P1a	-11.442839	0.320625	4.382605
7	P1a	-10.087770	0.069614	-1.107672
11	P1a	-10.630921	0.097388	-1.632795
15	P1a	-11.442725	1.366094	-8.874903
19	P1a	-15.262851	0.906389	7.125283
22	P1a	-20.146032	6.961708	18.428217
26	P1a	-15.661704	0.420857	-1.268561
30	P1a	-19.526922	6.132531	-18.487626

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.882894	1.651300	-10.916344
7	P1	-2.581428	0.011494	-0.553831
11	P1	-3.145352	0.118889	-2.613058
15	P1	-4.359327	1.115598	-8.272688
19	P1	-3.470041	0.076187	1.963641
22	P1	-5.283712	0.121294	-2.513757
26	P1	-5.552382	0.579279	5.851700
30	P1	-5.413301	0.064343	-1.259388

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.480104	0.478243	-4.994419
7	P2	-21.984764	0.157909	1.683260
11	P2	-10.859659	0.124646	1.755686
15	P2	-5.125669	0.093559	0.415204
19	P2	-7.256924	0.080506	0.306931
22	P2	-8.369987	0.077128	-0.330703

26	P2	-24.212255	0.118274	1.749704
30	P2	-21.701002	0.070227	0.031139

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.223217	0.007462	0.037930
7	P3	-8.223217	0.007462	0.037930
11	P3	-8.223217	0.007462	0.037930
15	P3	-8.223217	0.007462	0.037930
19	P3	-8.223217	0.007462	0.037930
22	P3	-8.223217	0.007462	0.037930
26	P3	-8.223217	0.007462	0.037930
30	P3	-8.223217	0.007462	0.037930

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.615573	0.107983	1.848188
7	P1a	-10.016298	0.046477	-0.007467
11	P1a	-10.511916	0.061395	-0.377592
15	P1a	-10.828789	0.131622	-0.103131
19	P1a	-15.748829	0.061071	-0.042402
22	P1a	-20.930632	1.350335	1.102545
26	P1a	-15.487508	0.251089	0.347564
30	P1a	-18.323038	0.363543	-0.229360

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.982815	2.462524	-12.012861
7	P1	-2.440759	0.006315	-0.007615

11	P1	-2.855235	0.017336	-0.104737
15	P1	-3.775112	0.033303	-0.118820
19	P1	-3.549531	0.013559	-0.034565
22	P1	-5.023107	0.023972	-0.002047
26	P1	-6.000734	0.022496	-0.035764
30	P1	-5.289398	0.023568	0.017834

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.591864	0.486748	-4.652372
7	P2	-22.033640	0.047499	0.046120
11	P2	-10.695430	0.030507	0.069492
15	P2	-4.841348	0.026364	0.022260
19	P2	-6.842445	0.026507	0.016250
22	P2	-8.151708	0.029306	-0.002636
26	P2	-24.254597	0.031144	0.041568
30	P2	-21.798426	0.033839	0.054618

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.055327	0.002554	0.018109
7	P3	-8.055166	0.002550	0.017108
11	P3	-8.055193	0.002545	0.019230
15	P3	-8.055243	0.002530	0.018224
19	P3	-8.055180	0.002537	0.018116
22	P3	-8.055319	0.002546	0.018619
26	P3	-8.055209	0.002548	0.018777
30	P3	-8.055219	0.002553	0.018275

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	0.000695838
	stdev	2.84727e-07
MEAN Q	mean	0.000263340
	stdev	2.21888e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0581178
	stdev	0.000893372
STDEV Q	mean	0.0576702
	stdev	0.000906665

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007020[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_1PNPDE20070205_151401_000000852055_00197_25802_5978.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

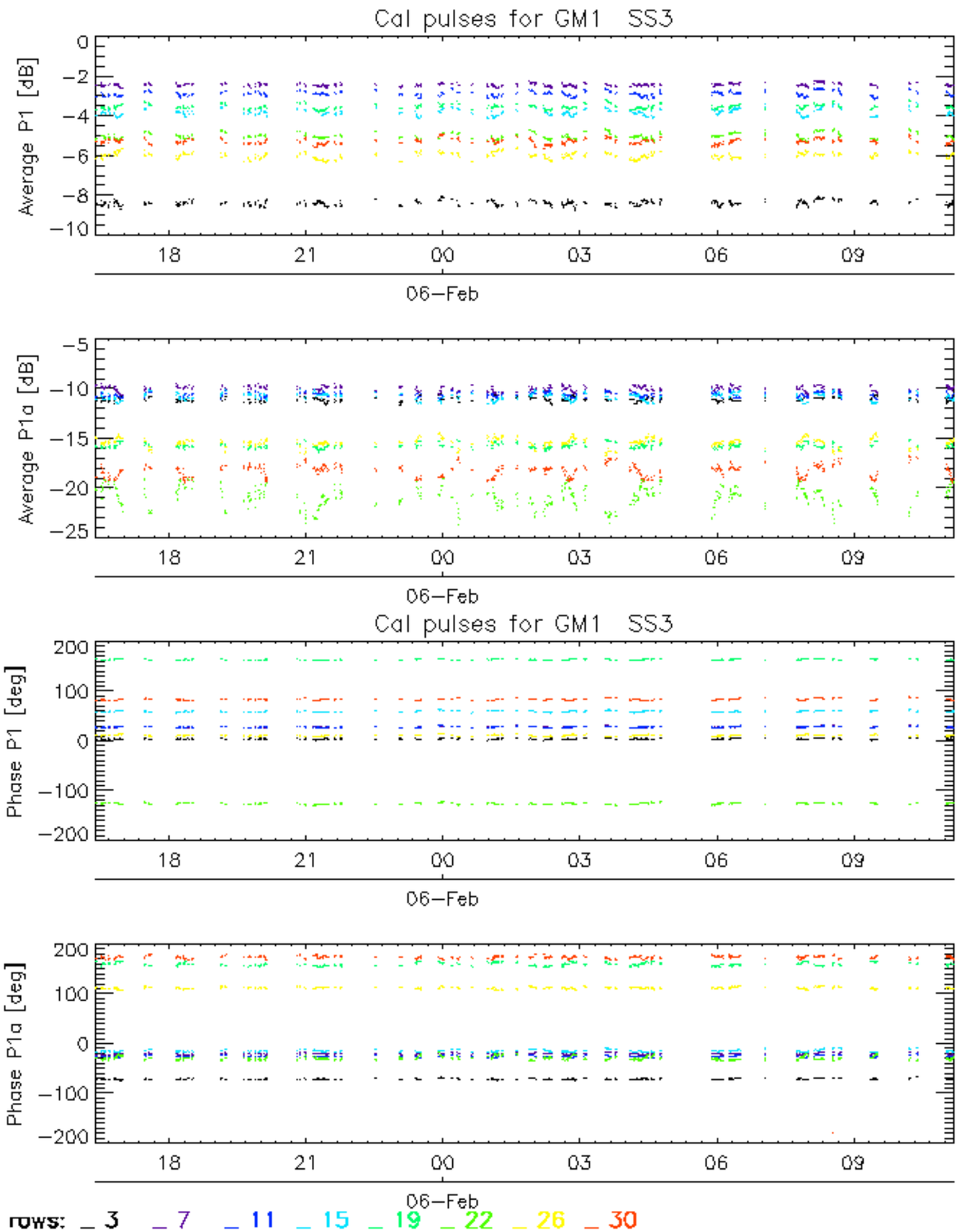
Evolution of Absolute Doppler

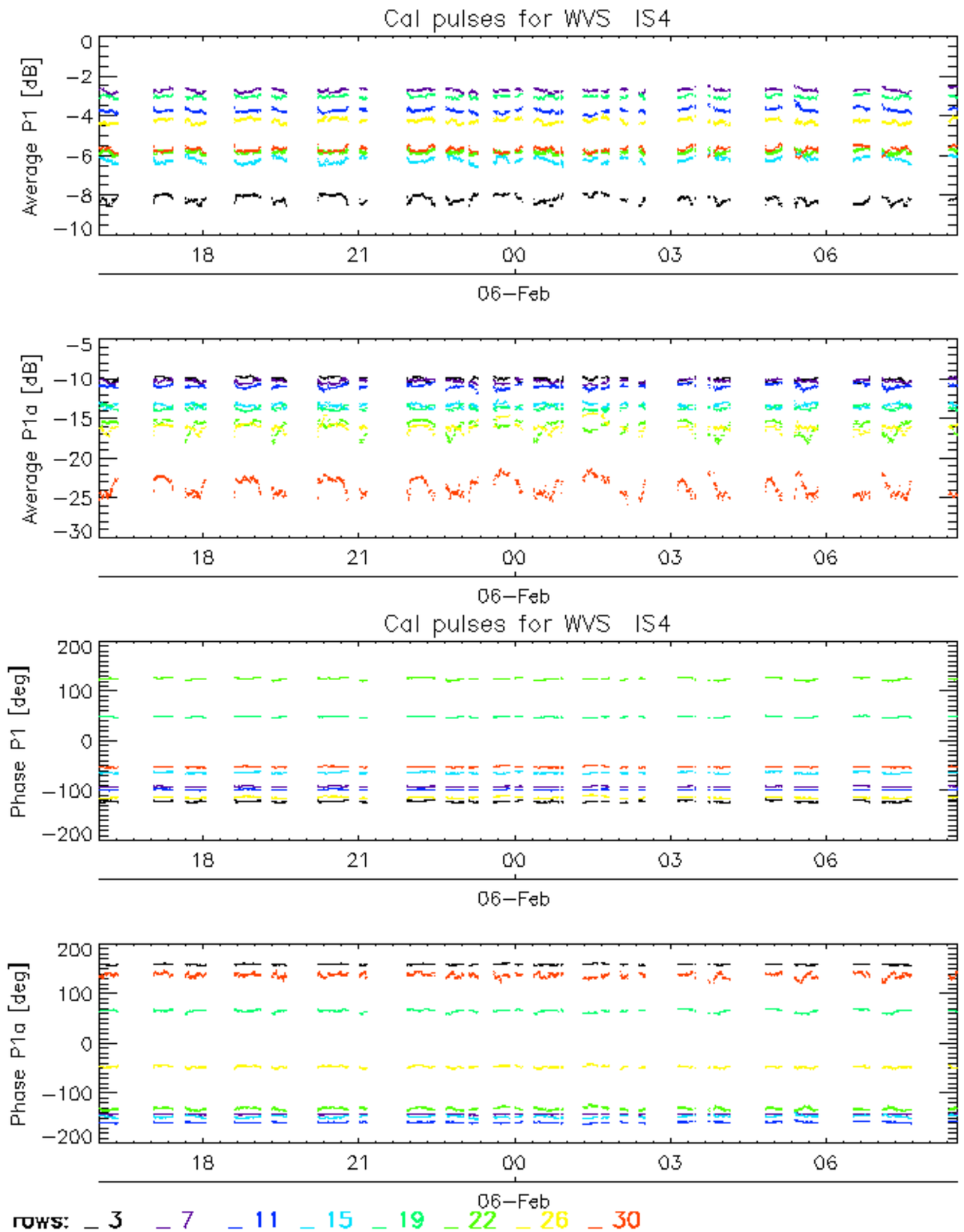
Acsending

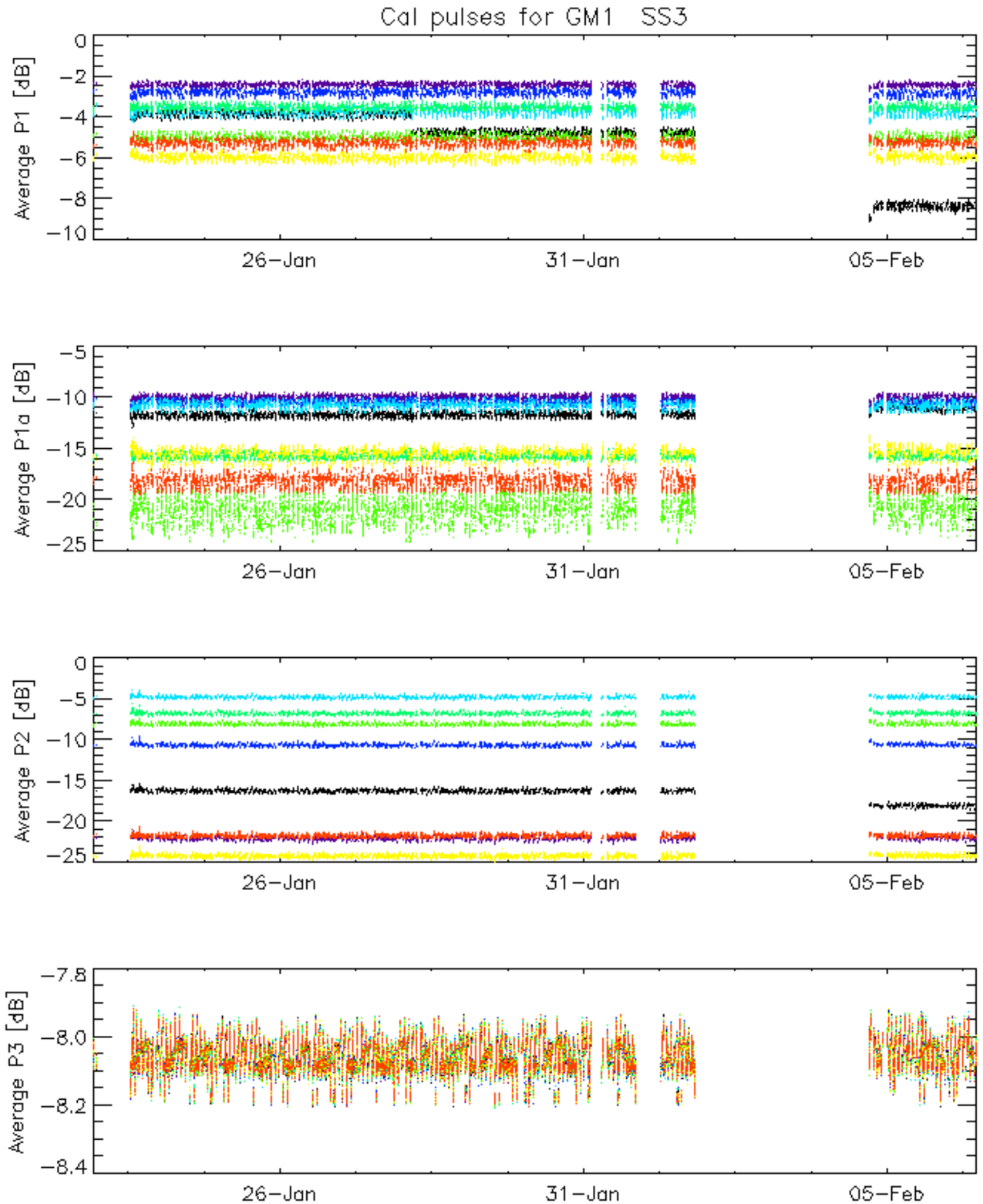
Descending

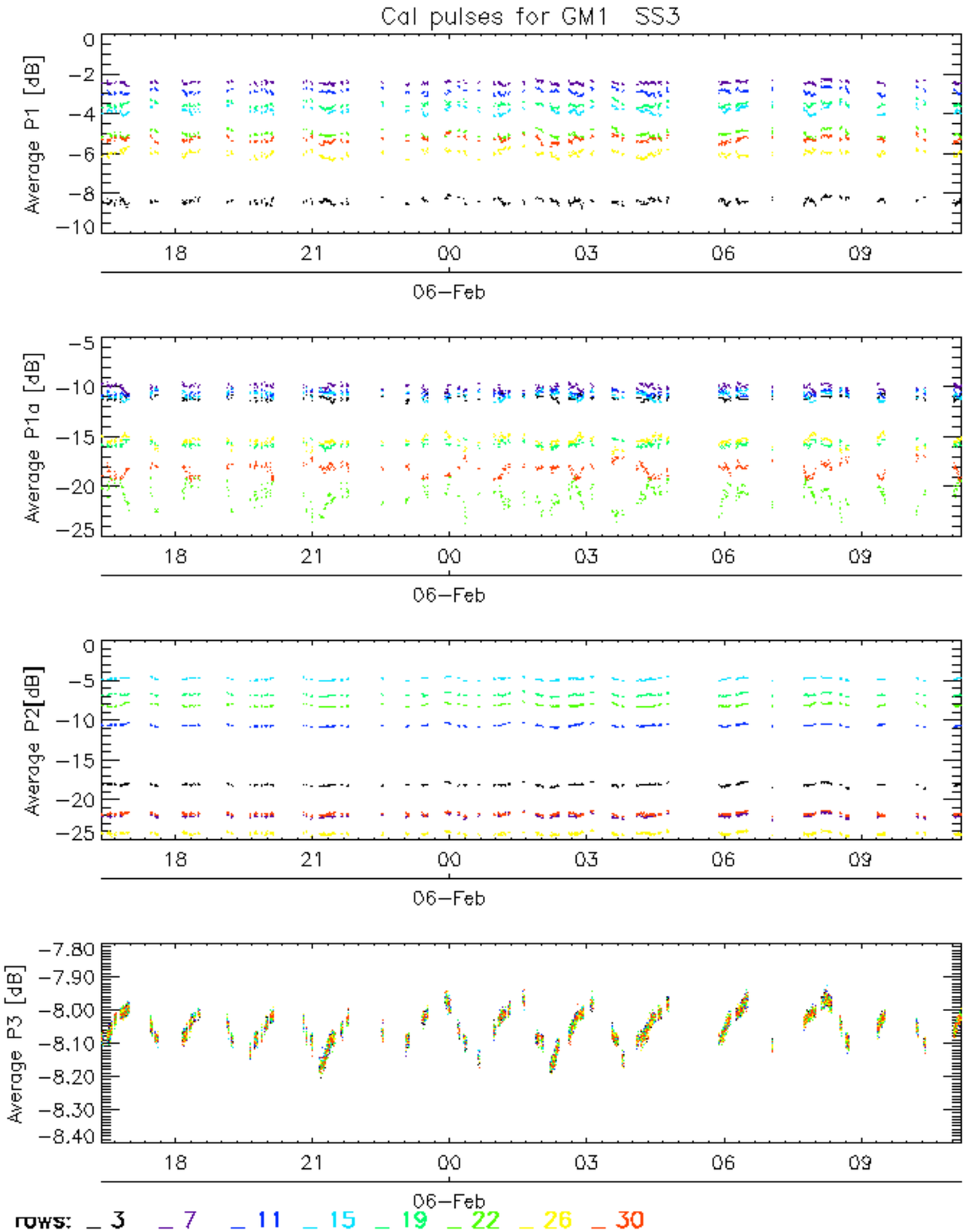
7.6 - Doppler evolution versus ANX for GM1

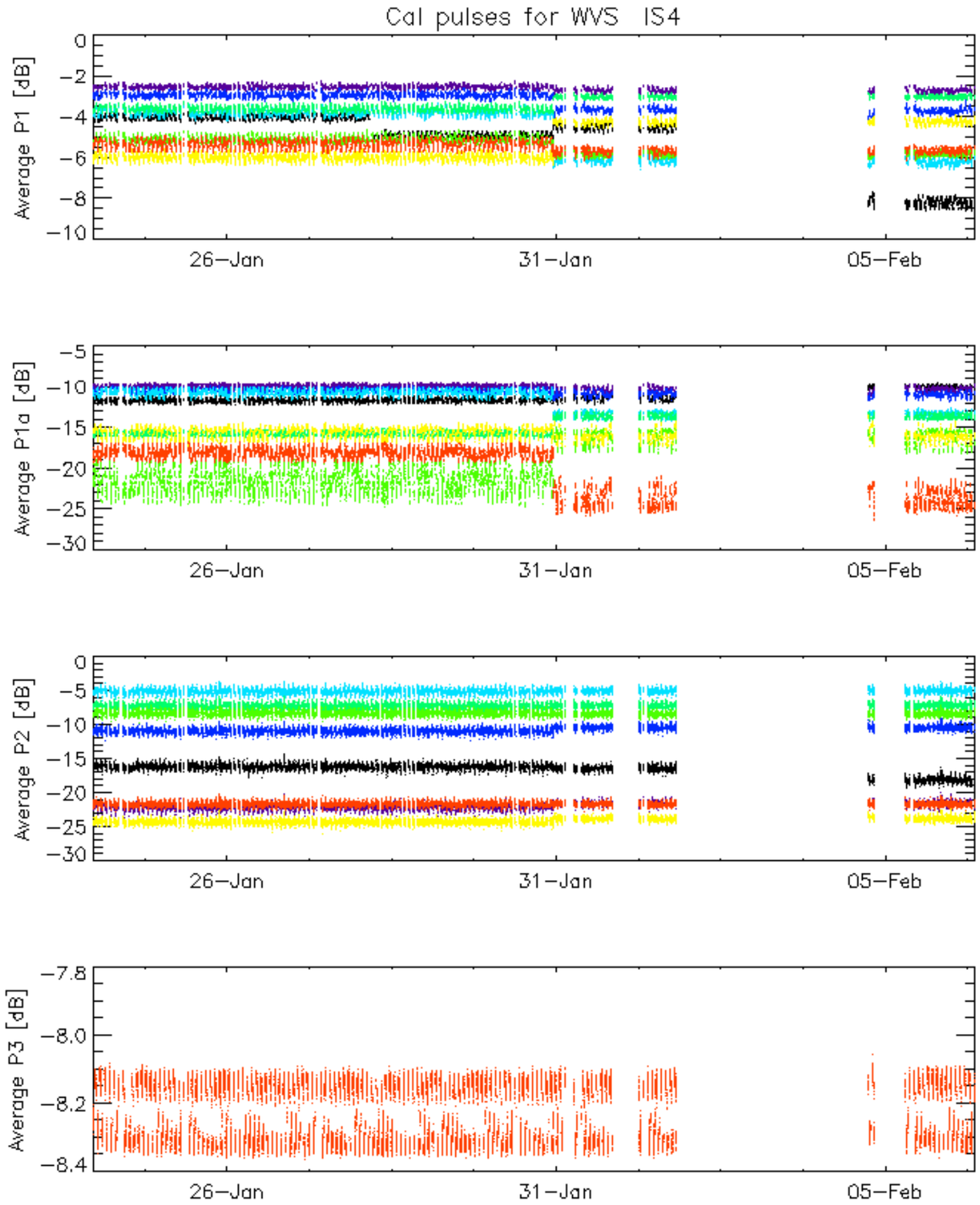
Evolution Doppler error versus ANX

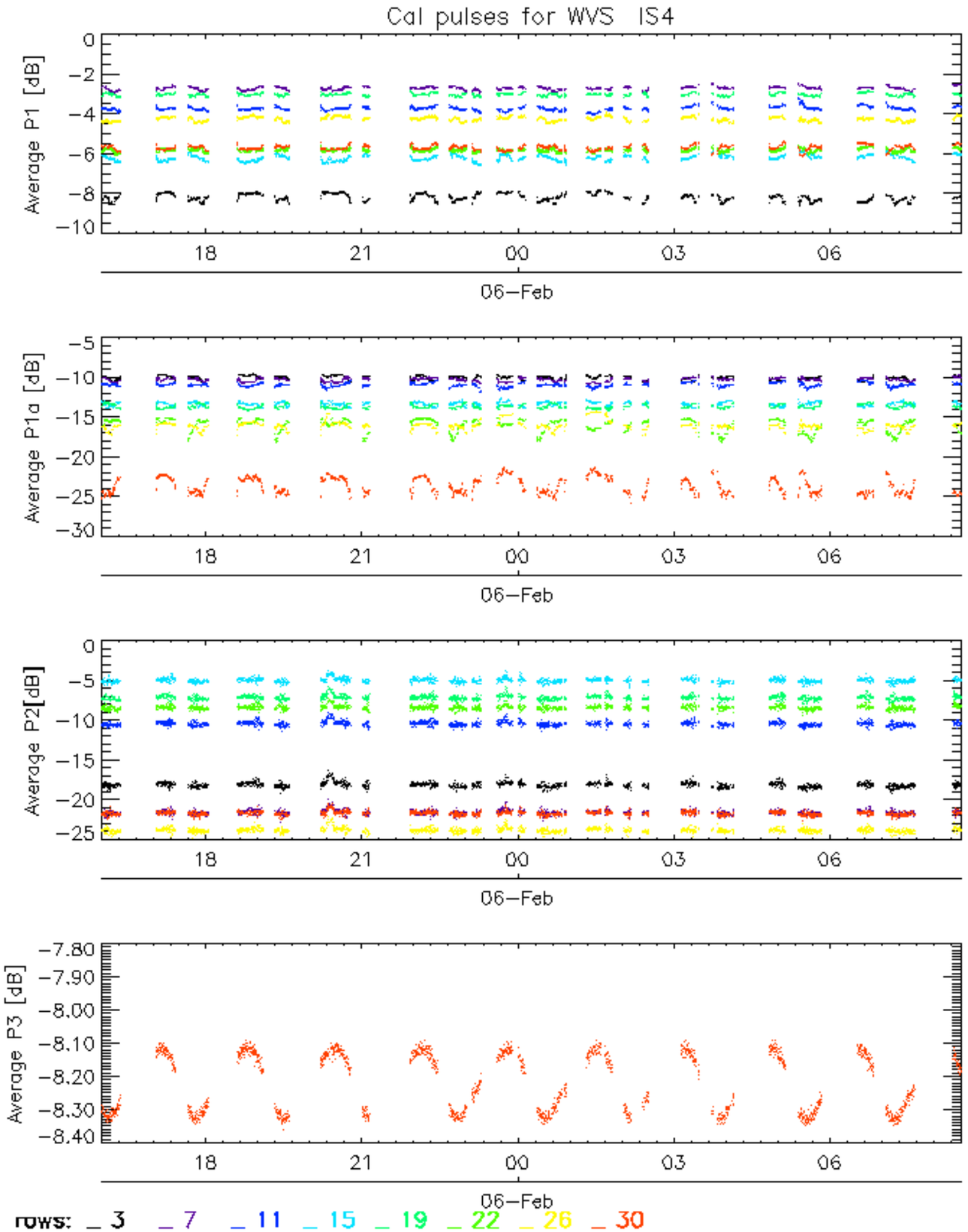


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
06−Feb
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
06−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
06−Feb
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
06−Feb
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
06−Feb
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
06−Feb
rows: 3 7 11 15 19 22 26 30

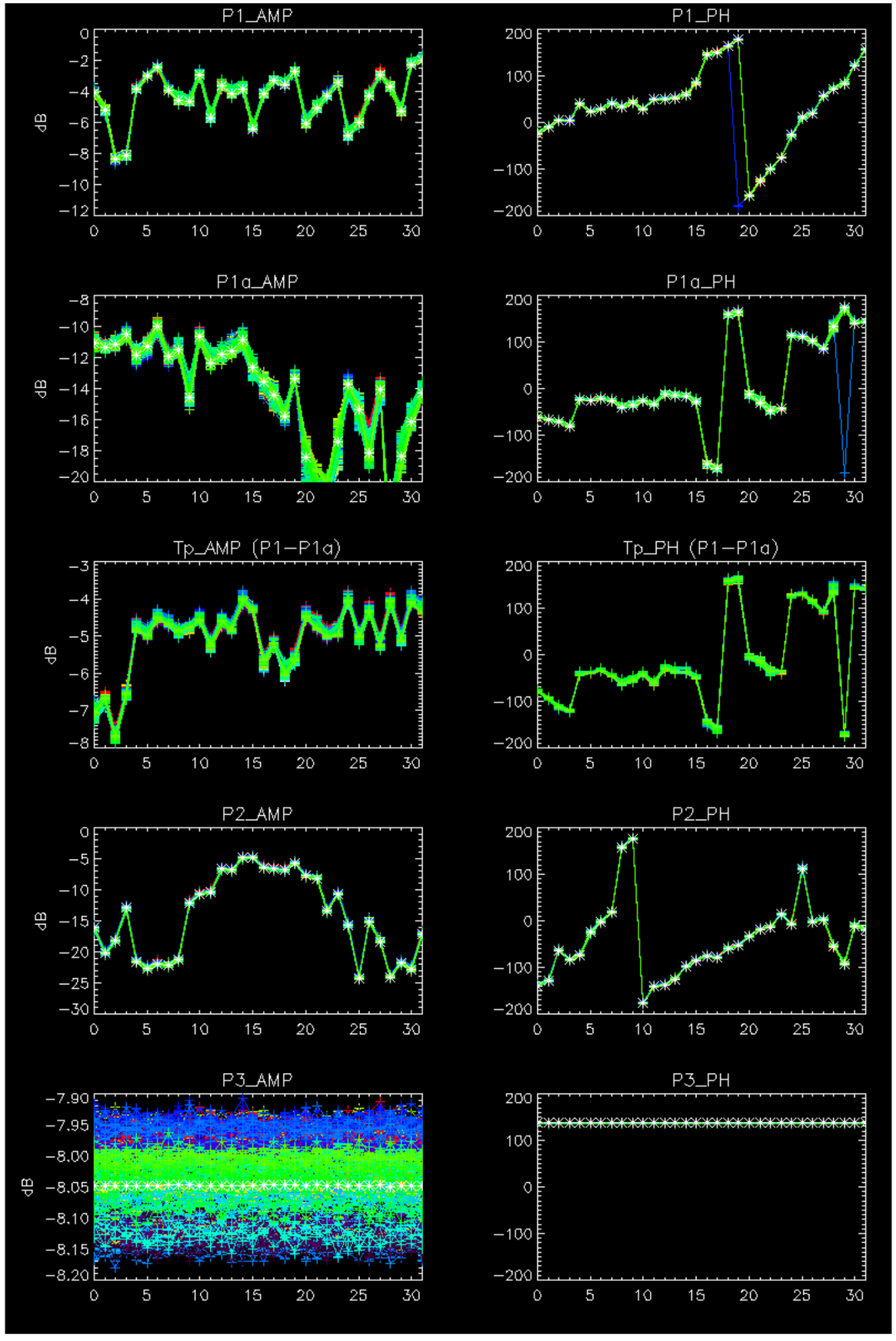

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

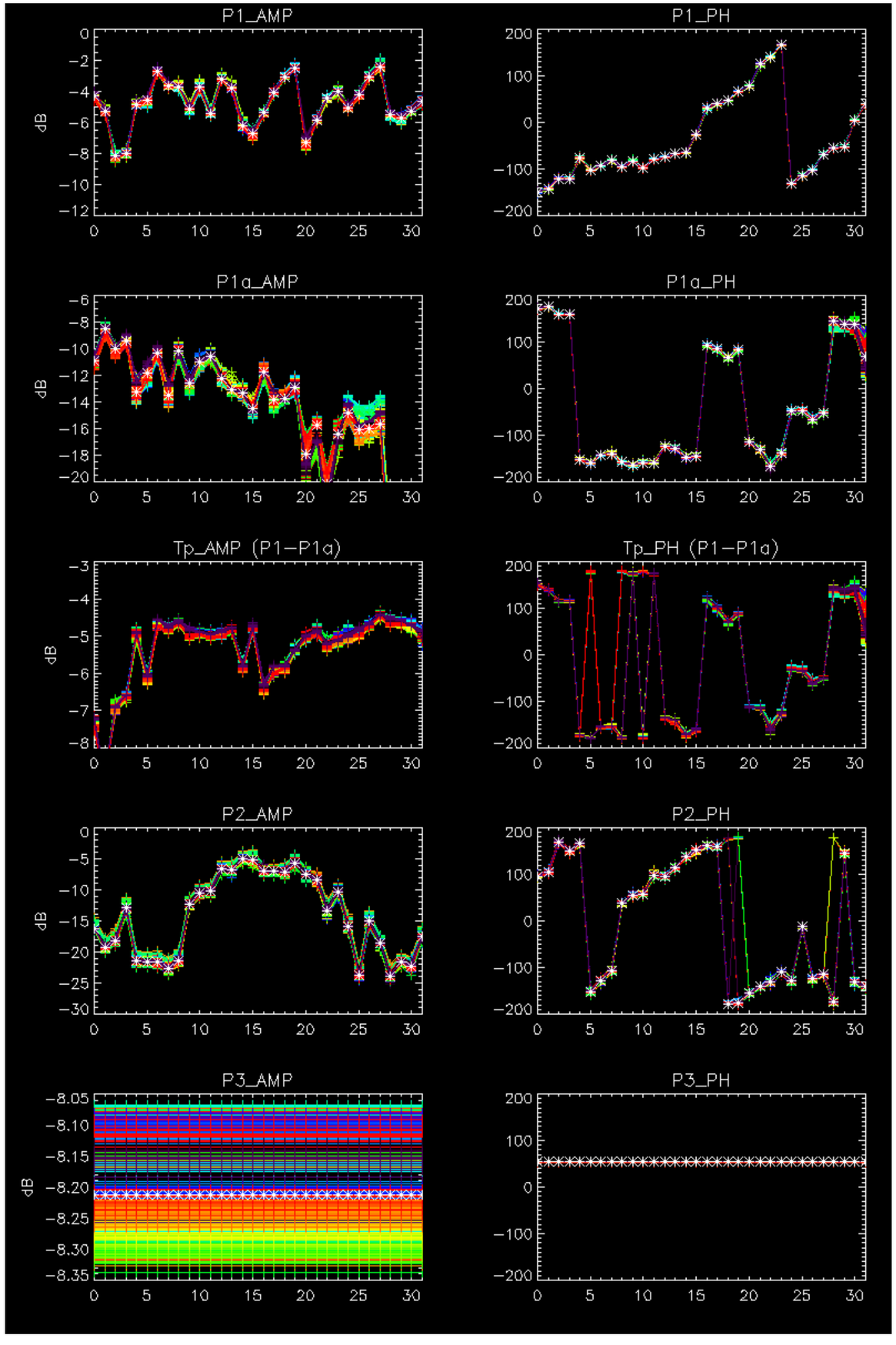

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
06−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
06−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
06−Feb
rows: _ 3 _ 7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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
06−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
06−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
06−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

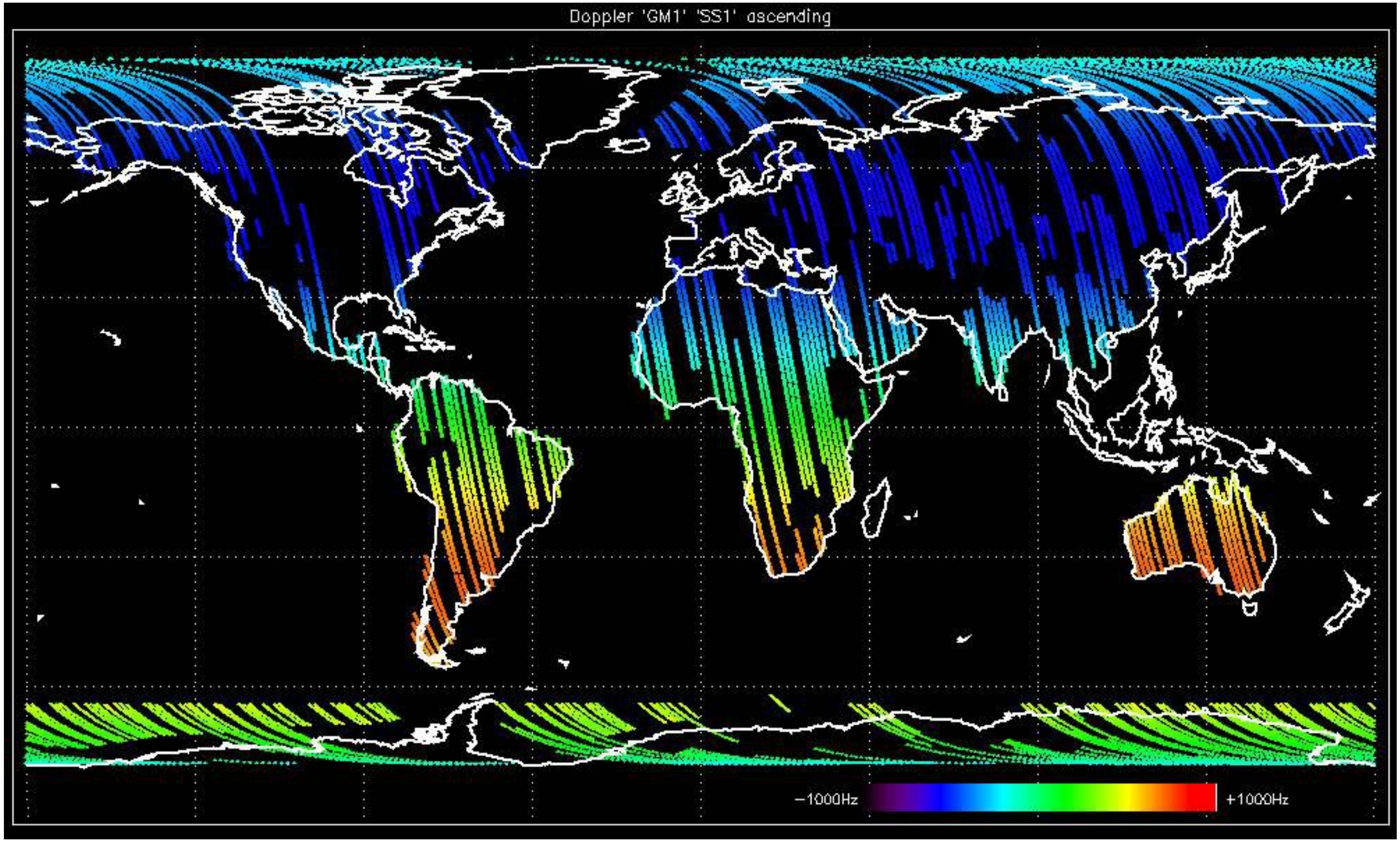
No anomalies observed.

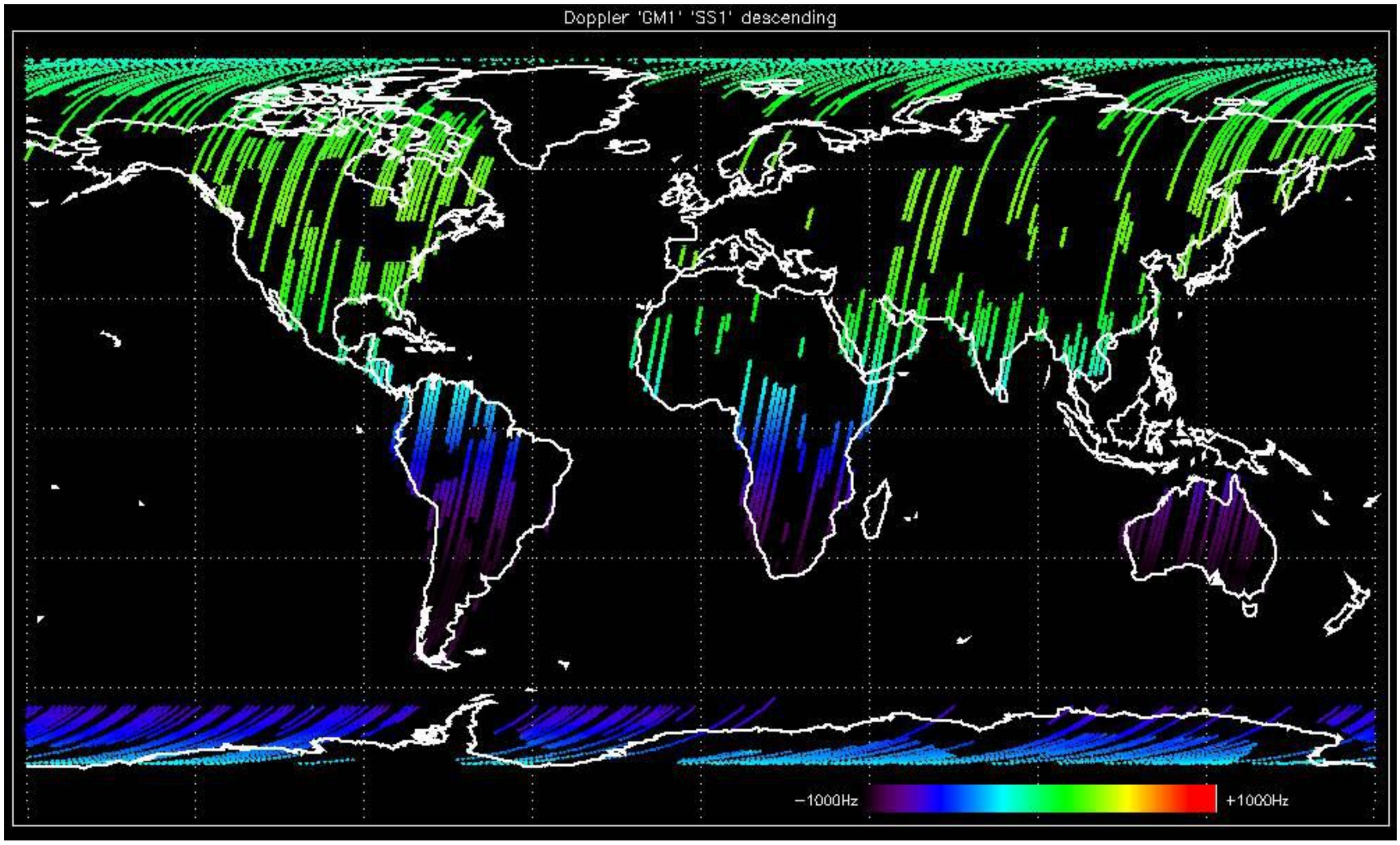

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

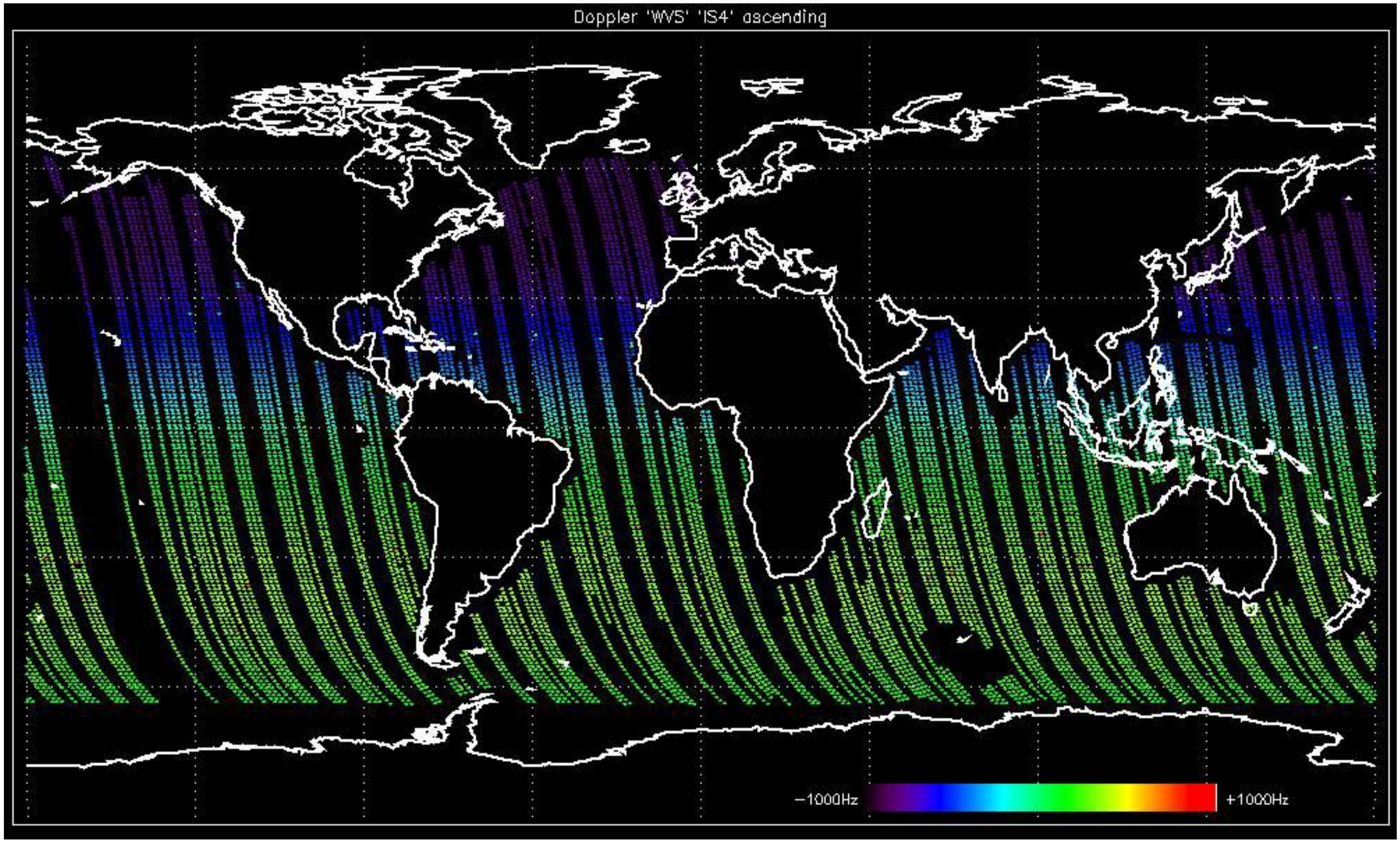

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

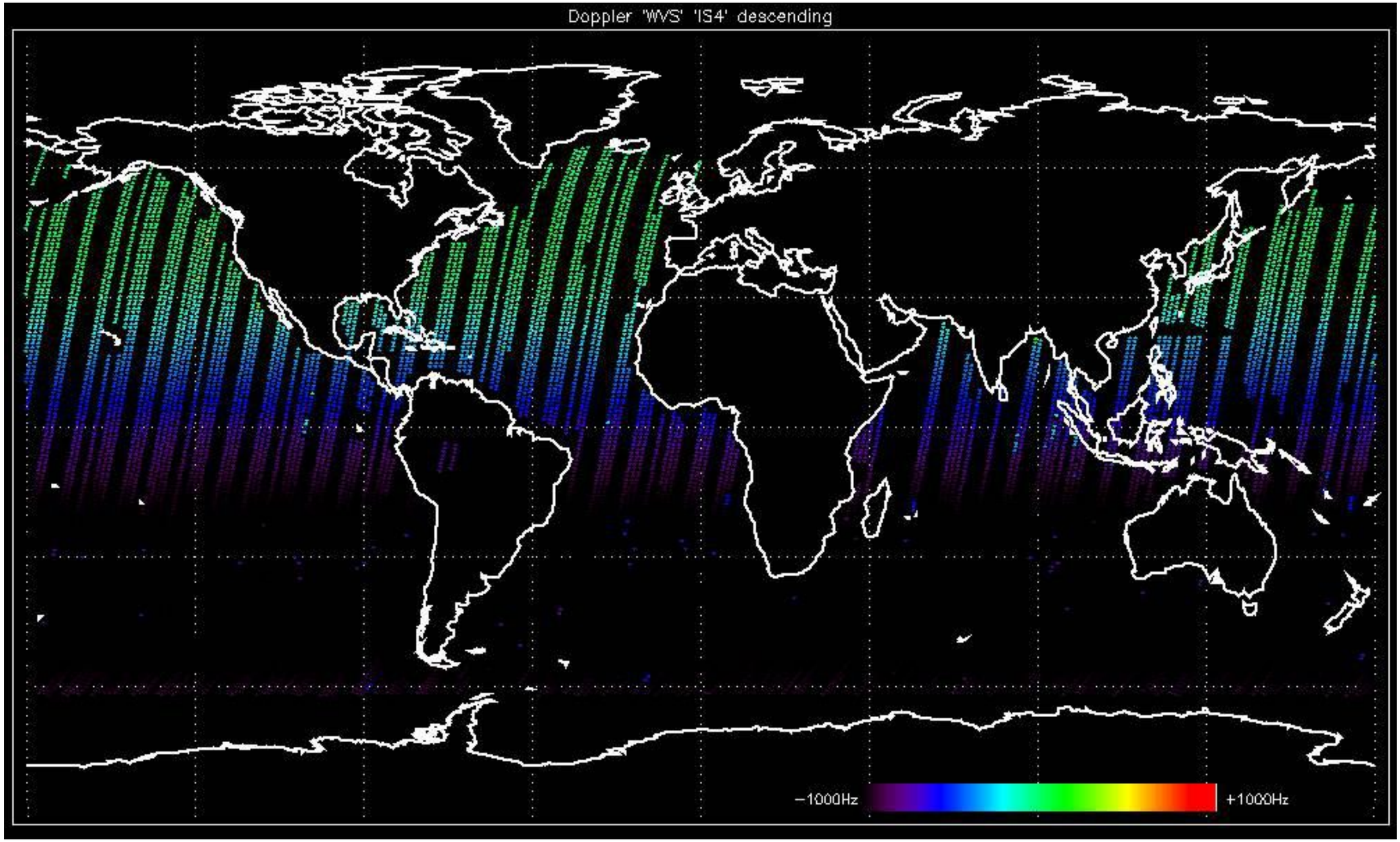
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

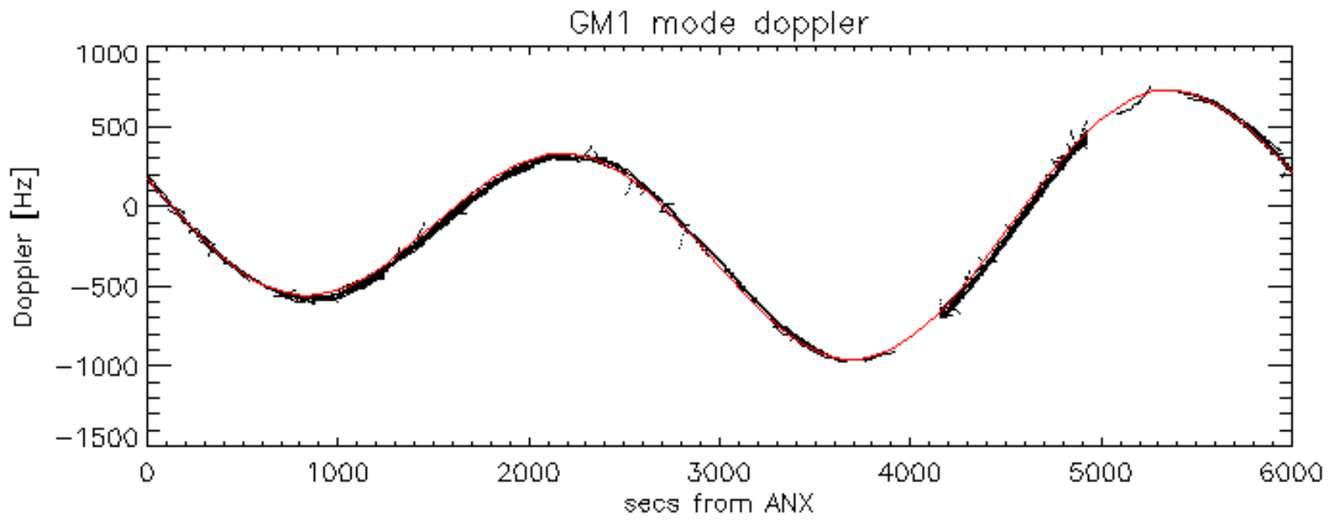
Preliminary report.The data is not yet controled

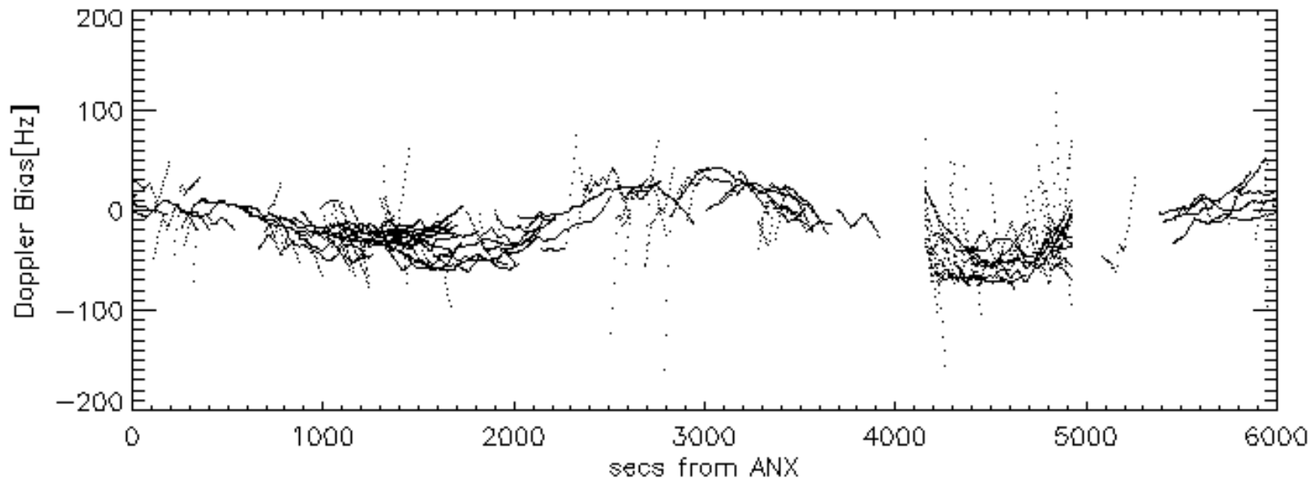

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

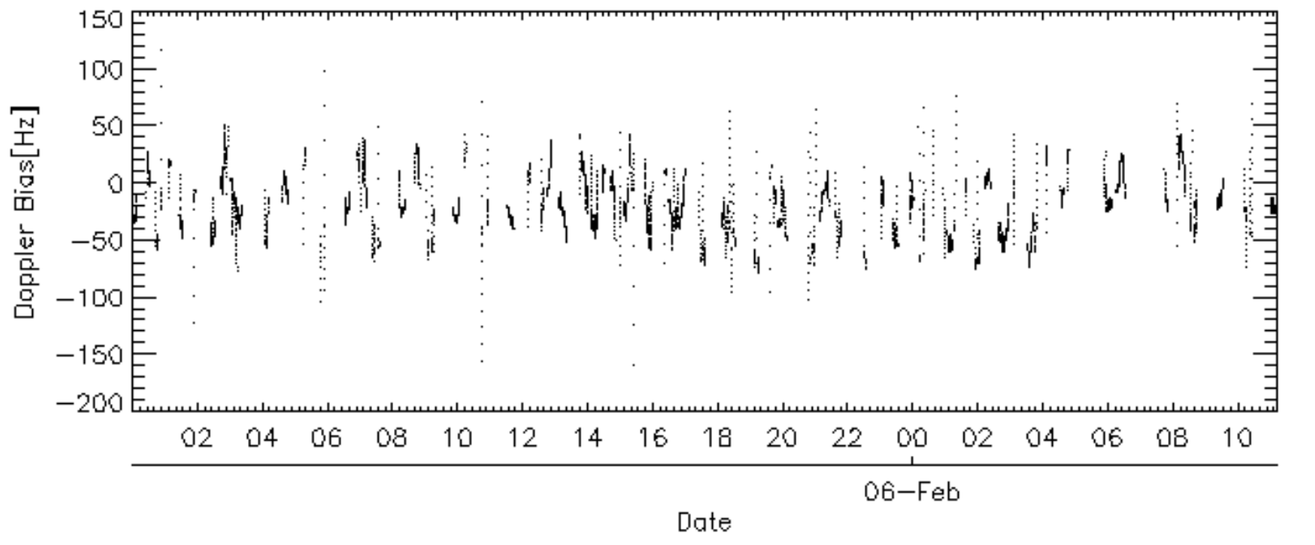

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

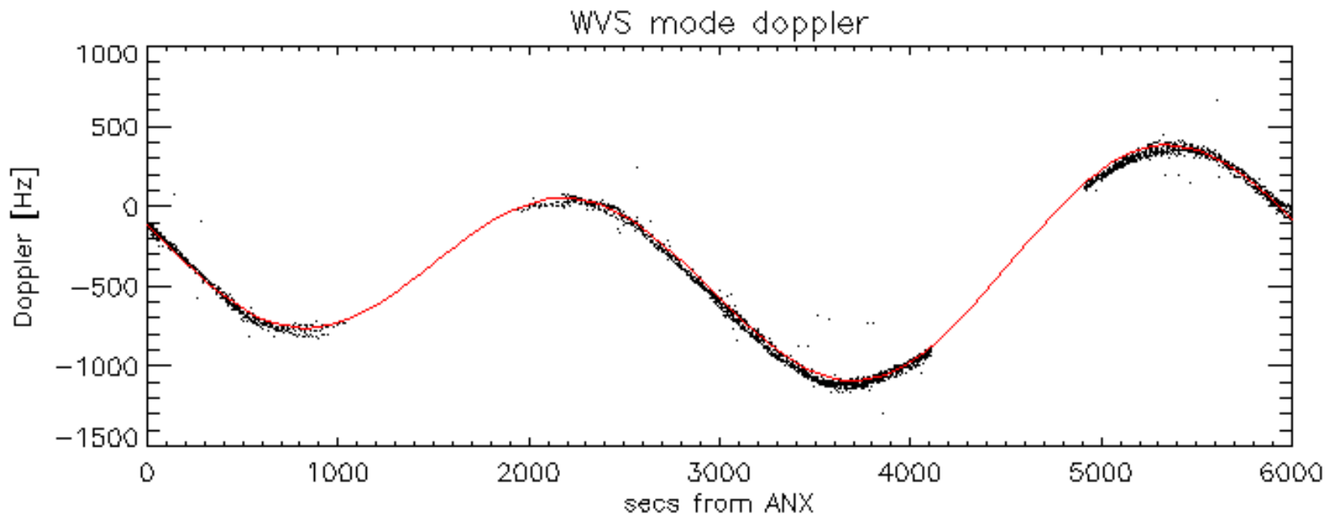

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

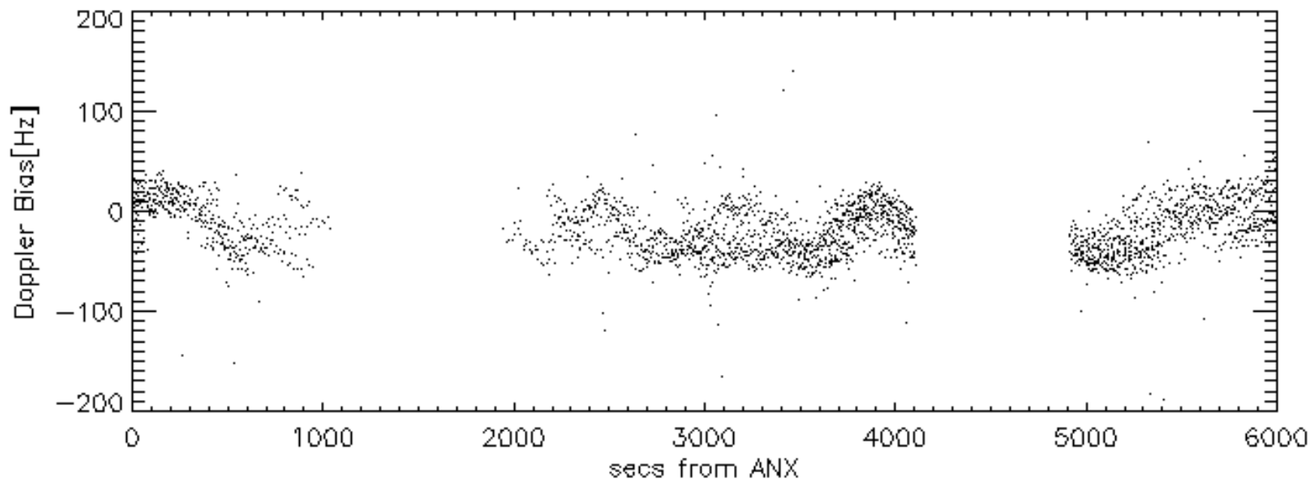

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

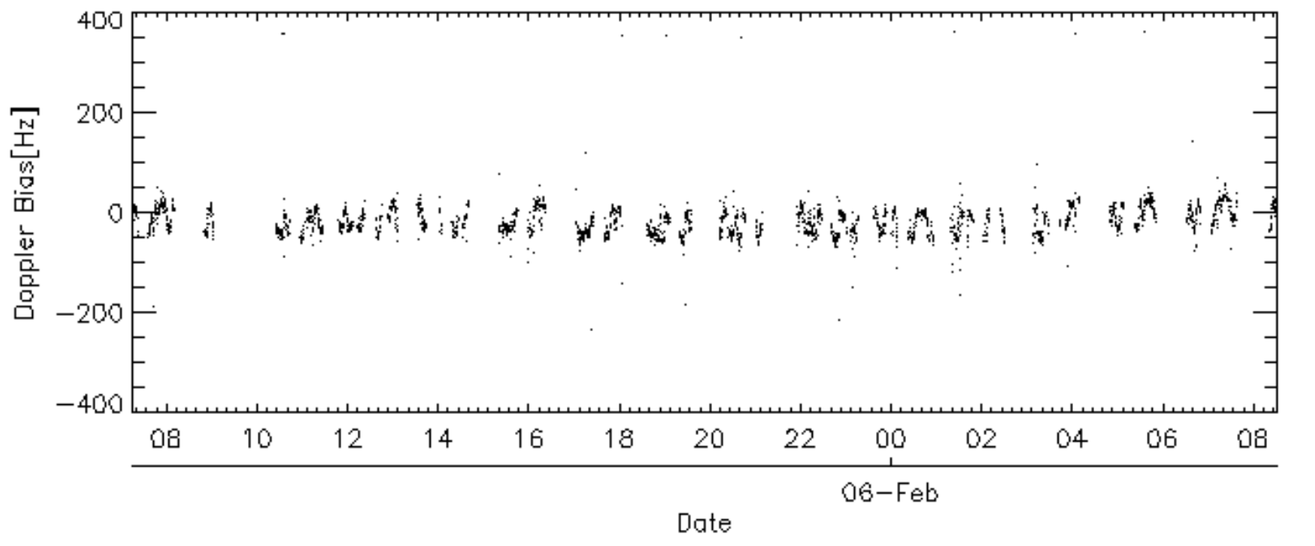

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

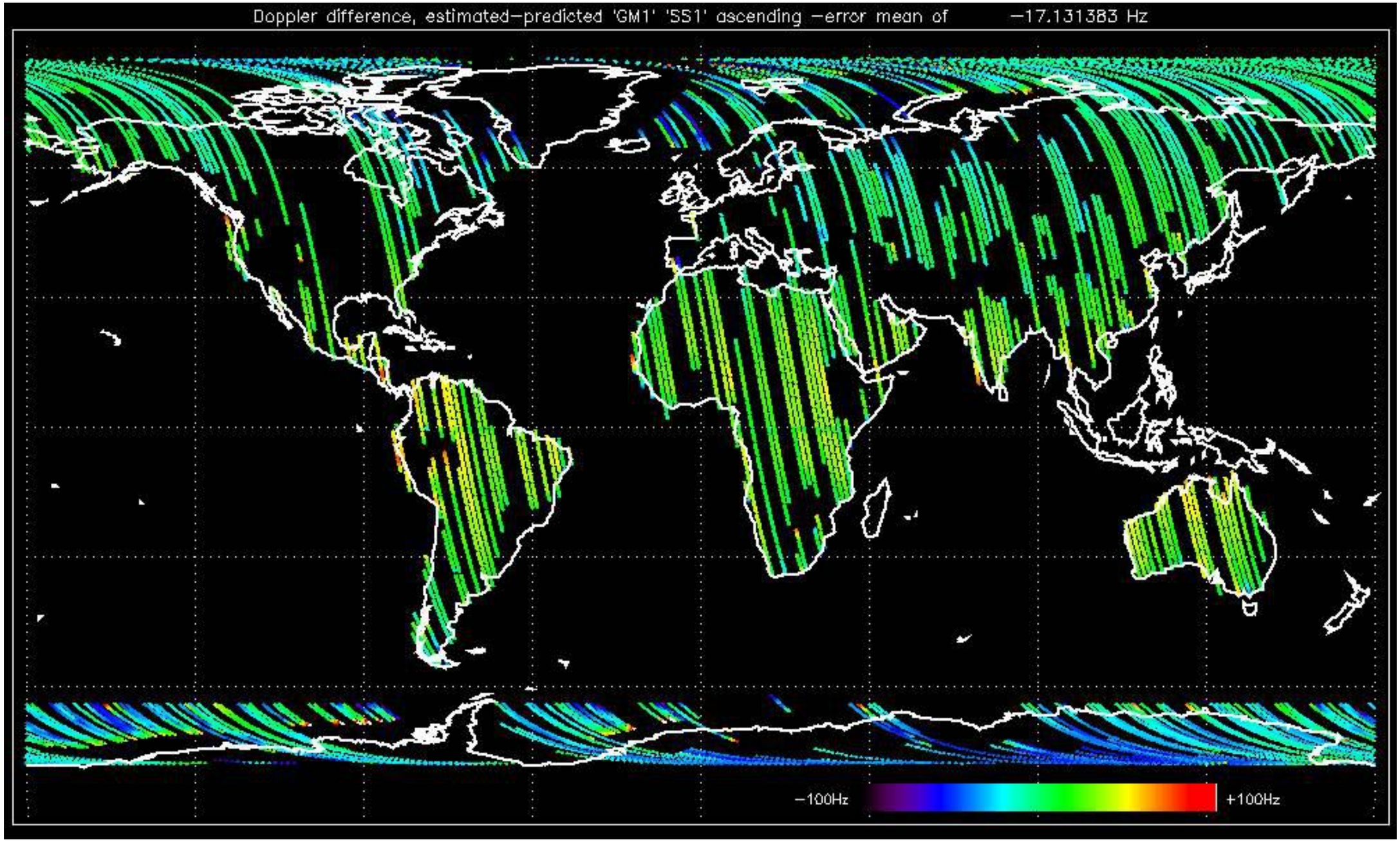

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

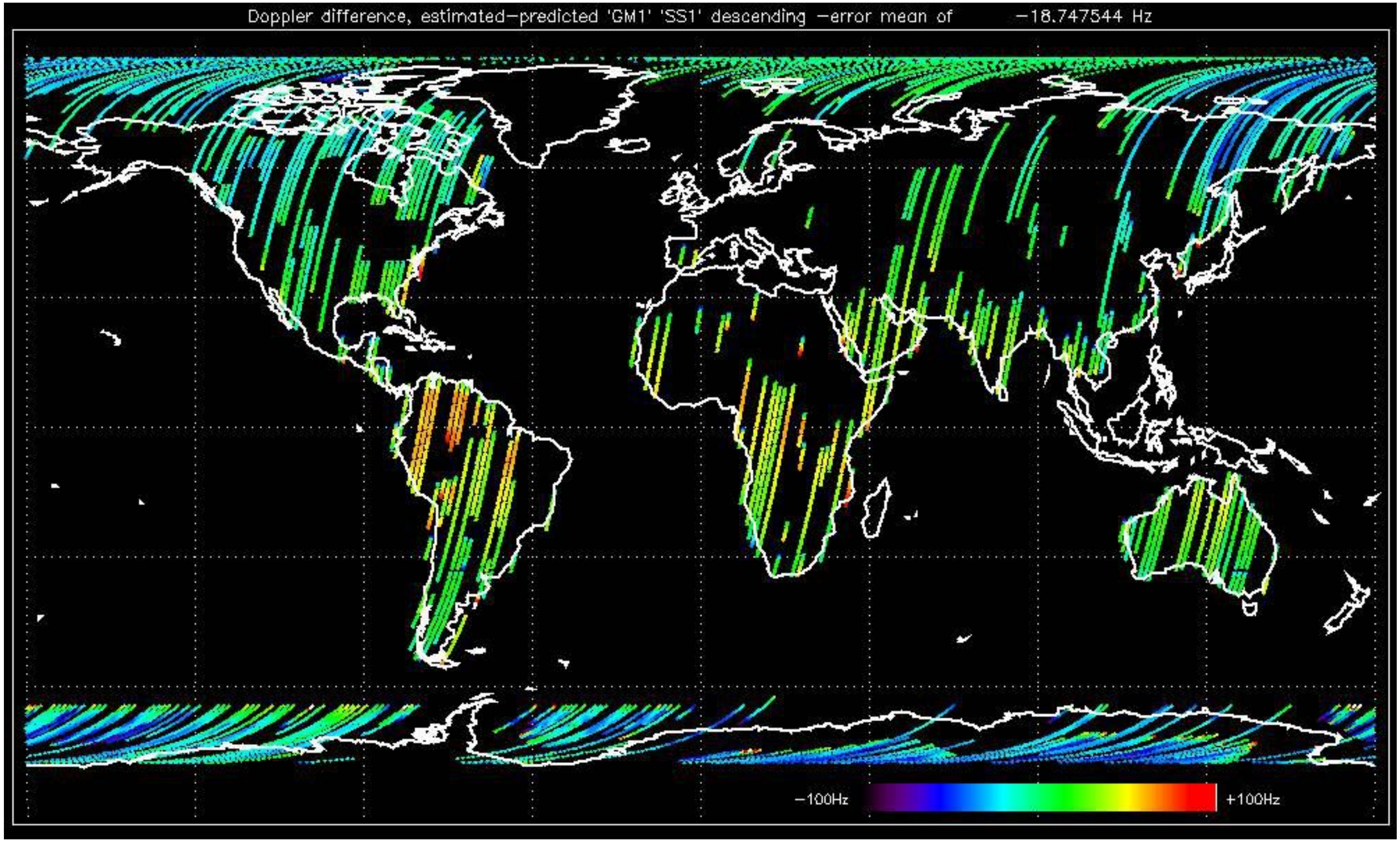

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
06−Feb
Date

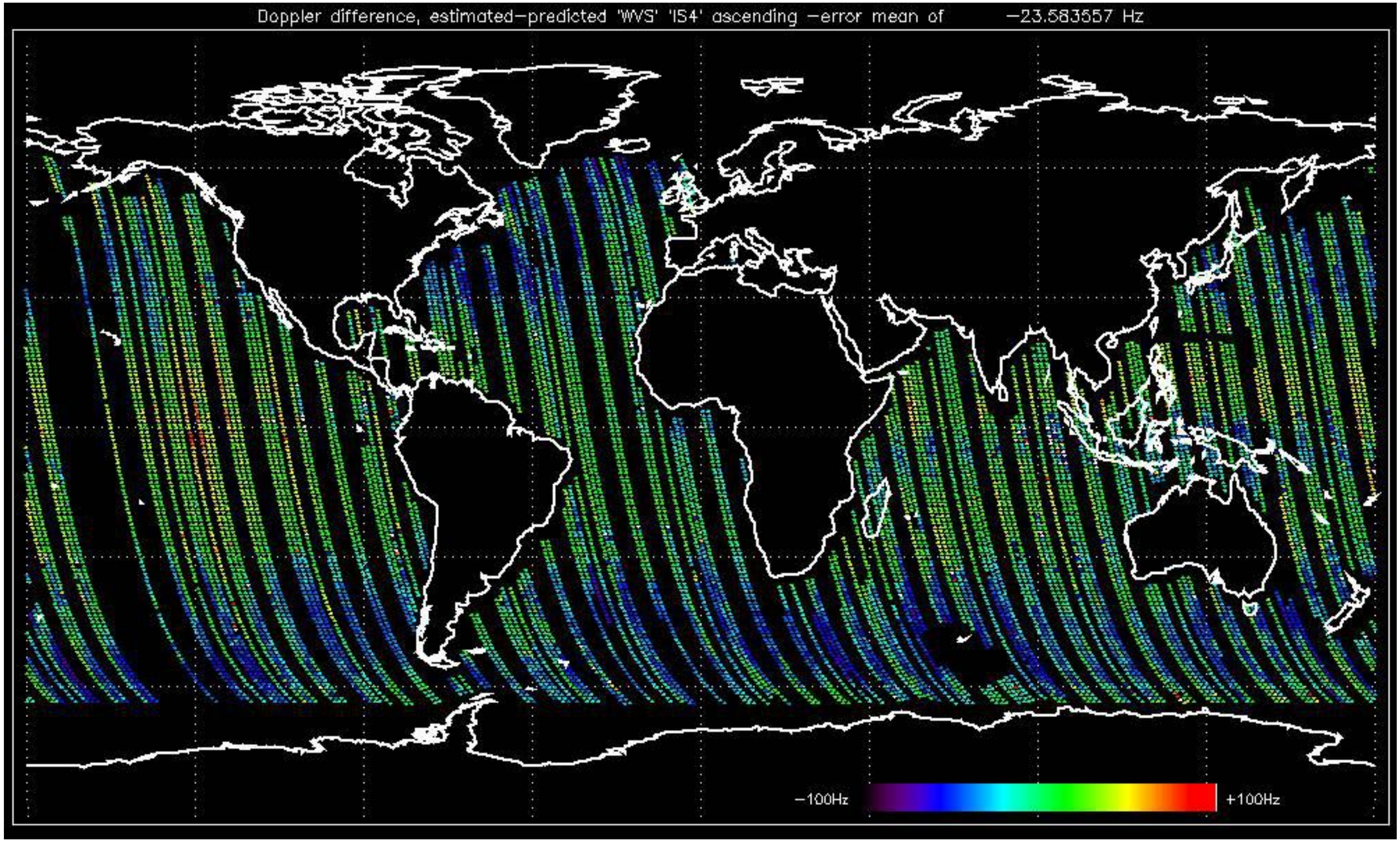

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

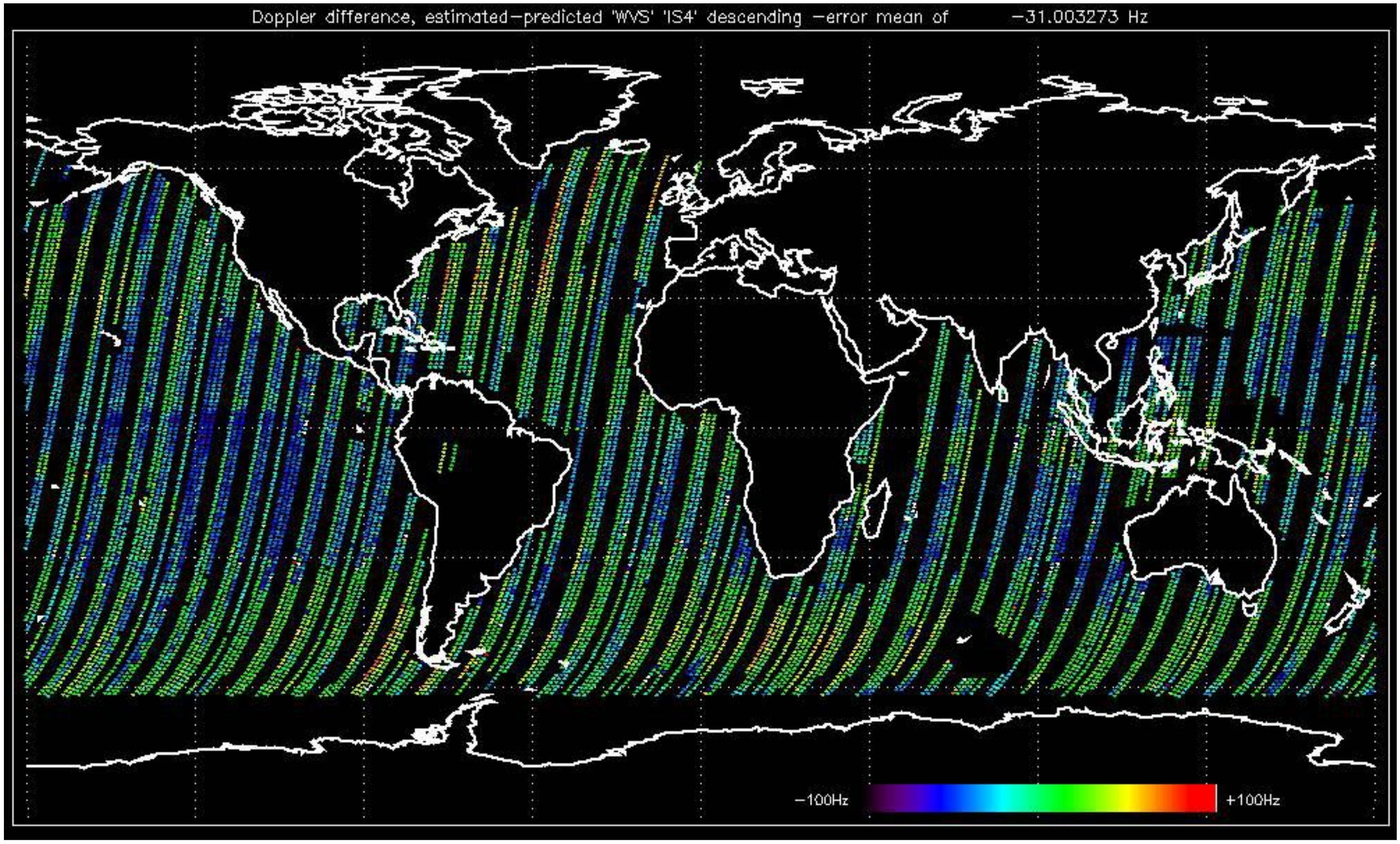

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.131383 Hz
−100Hz
+100Hz

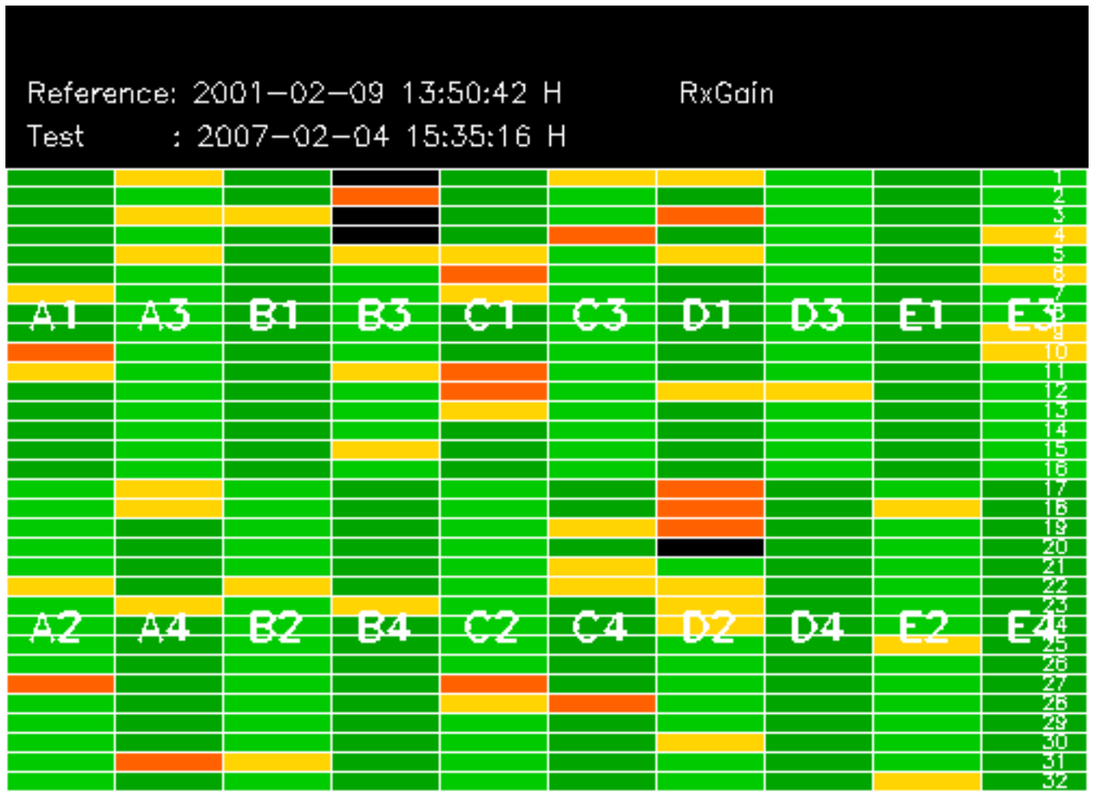

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.747544 Hz
−100Hz
+100Hz

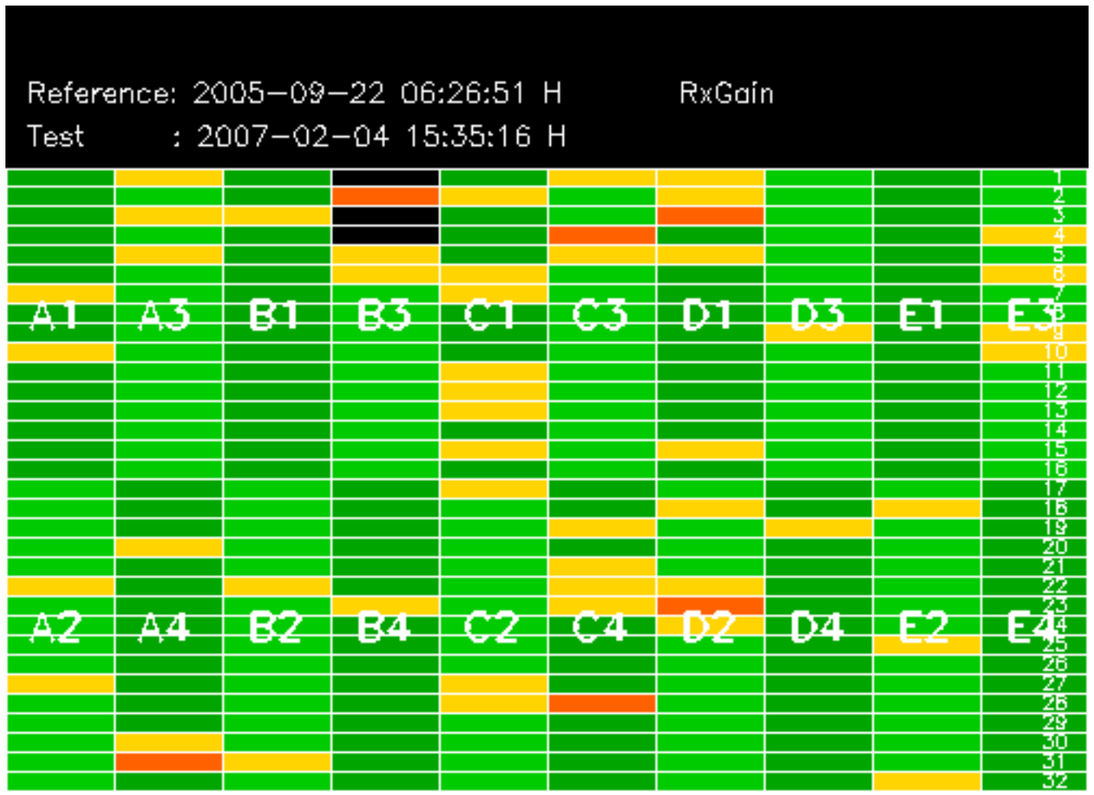

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −23.583557 Hz
−100Hz
+100Hz

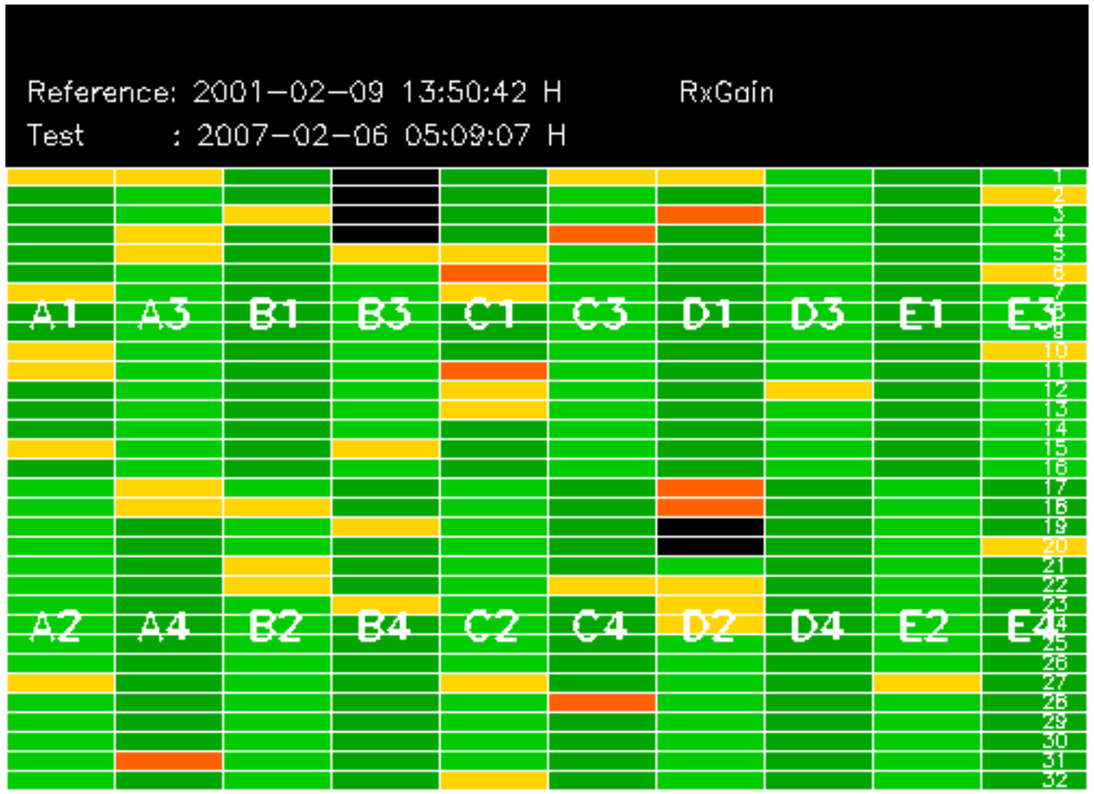

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −31.003273 Hz
−100Hz
+100Hz

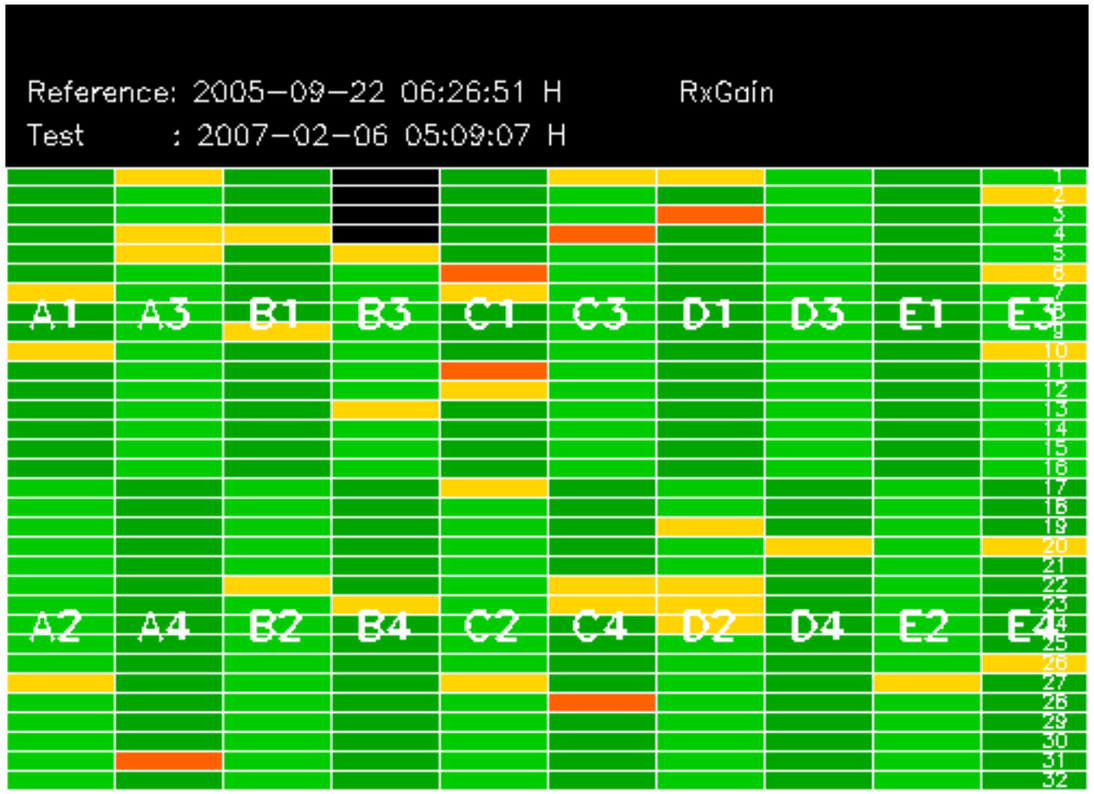
No anomalies observed on available MS products:

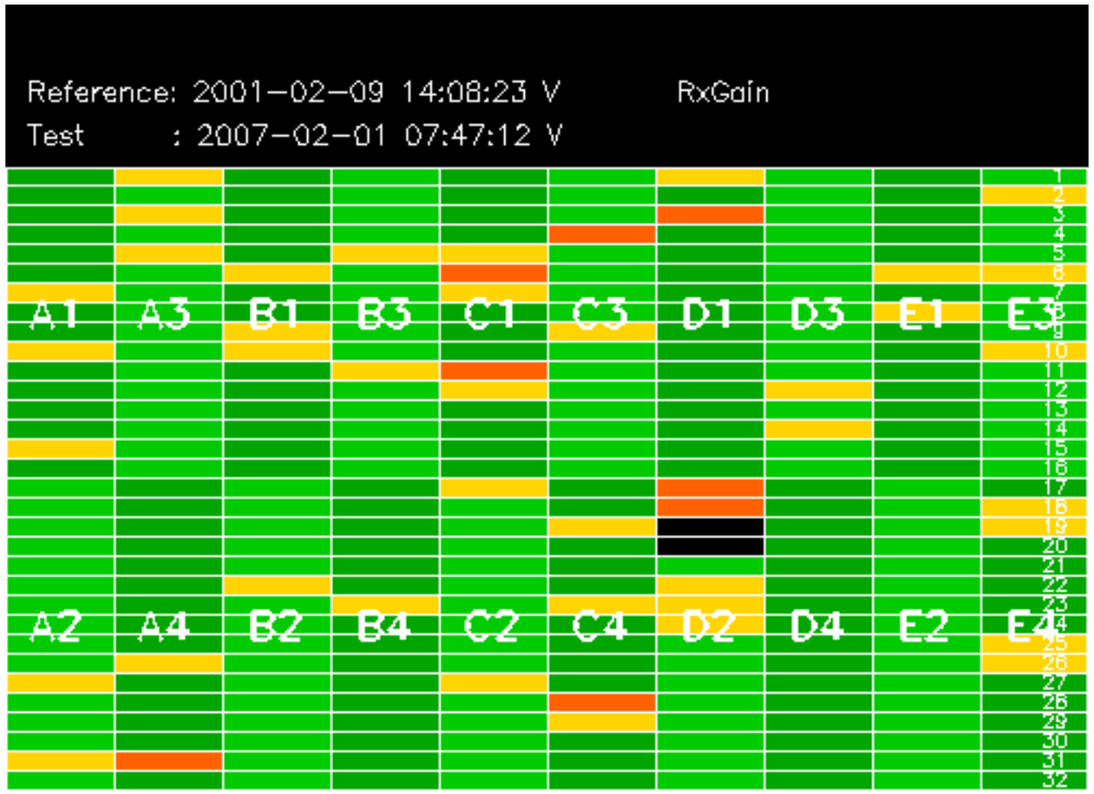
No anomalies observed.

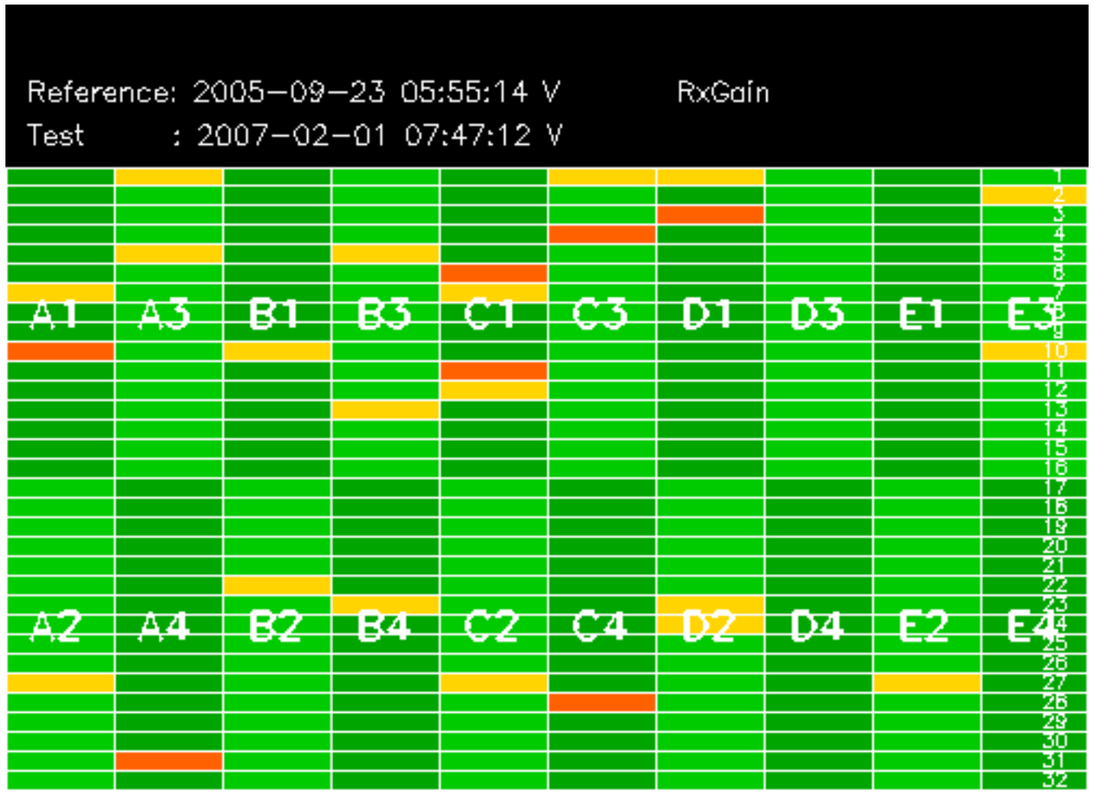

Reference: 2001-02-09 13:50:42 H
Test : 2007-02-04 15:35:16 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxGain
Test : 2007-02-04 15:35:16 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-06 05:09:07 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 : 2007-02-06 05:09:07 H
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
RxGain
Test : 2007-02-01 07:47:12 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 : 2007-02-01 07:47:12 V
RxGain
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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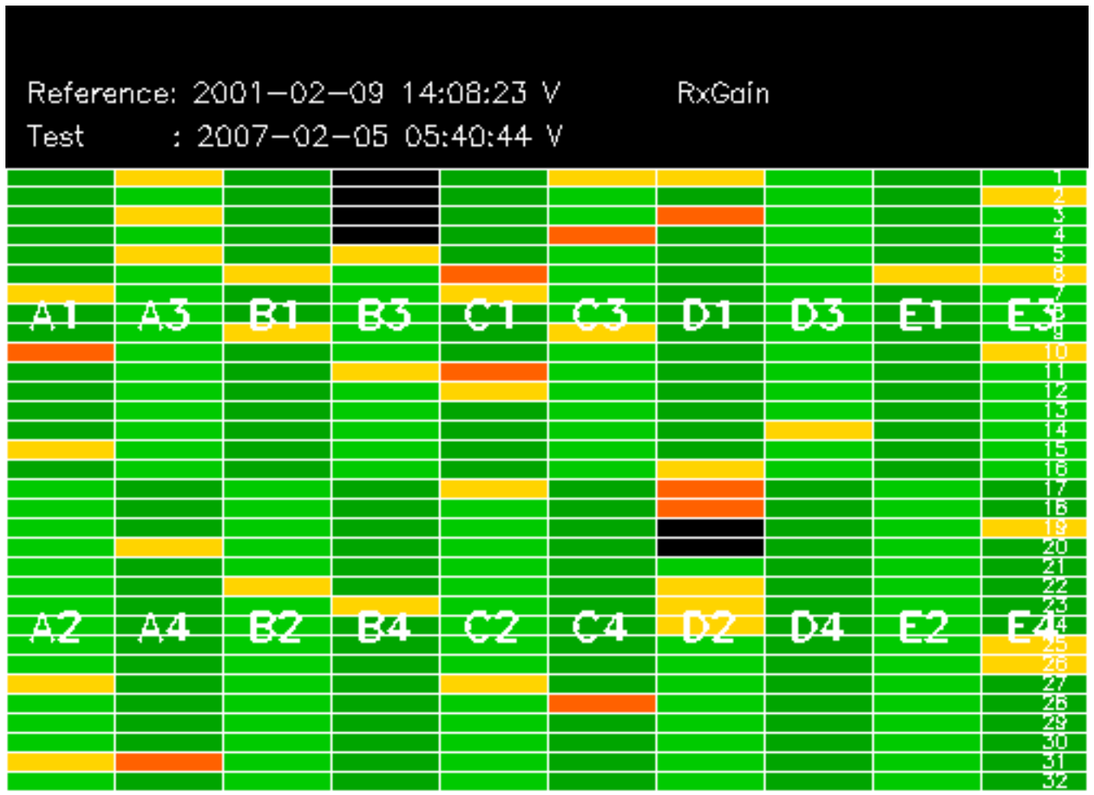
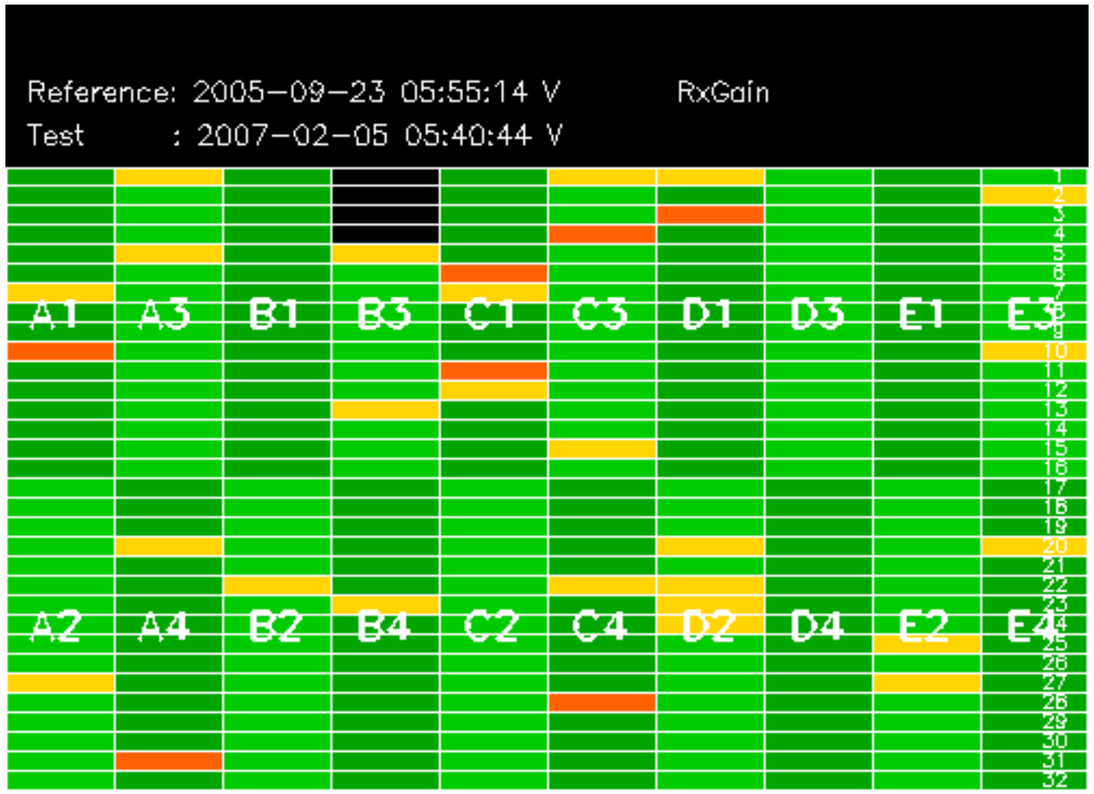

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-05 05:40:44 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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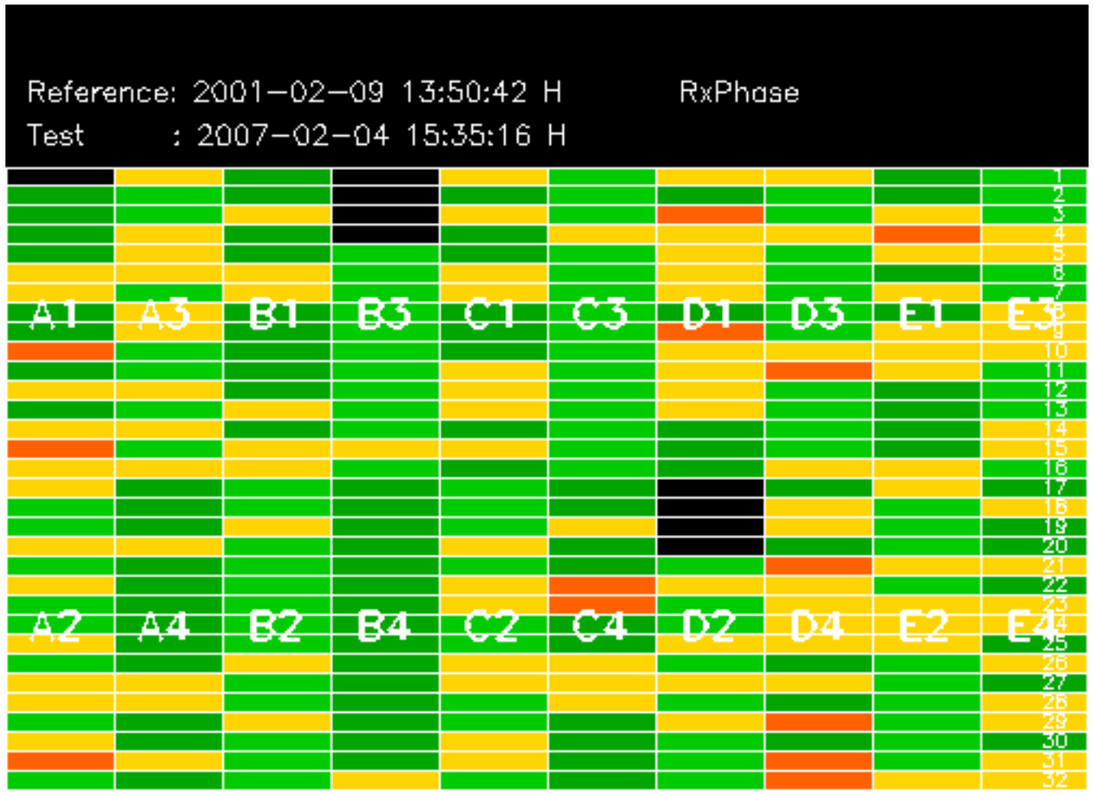
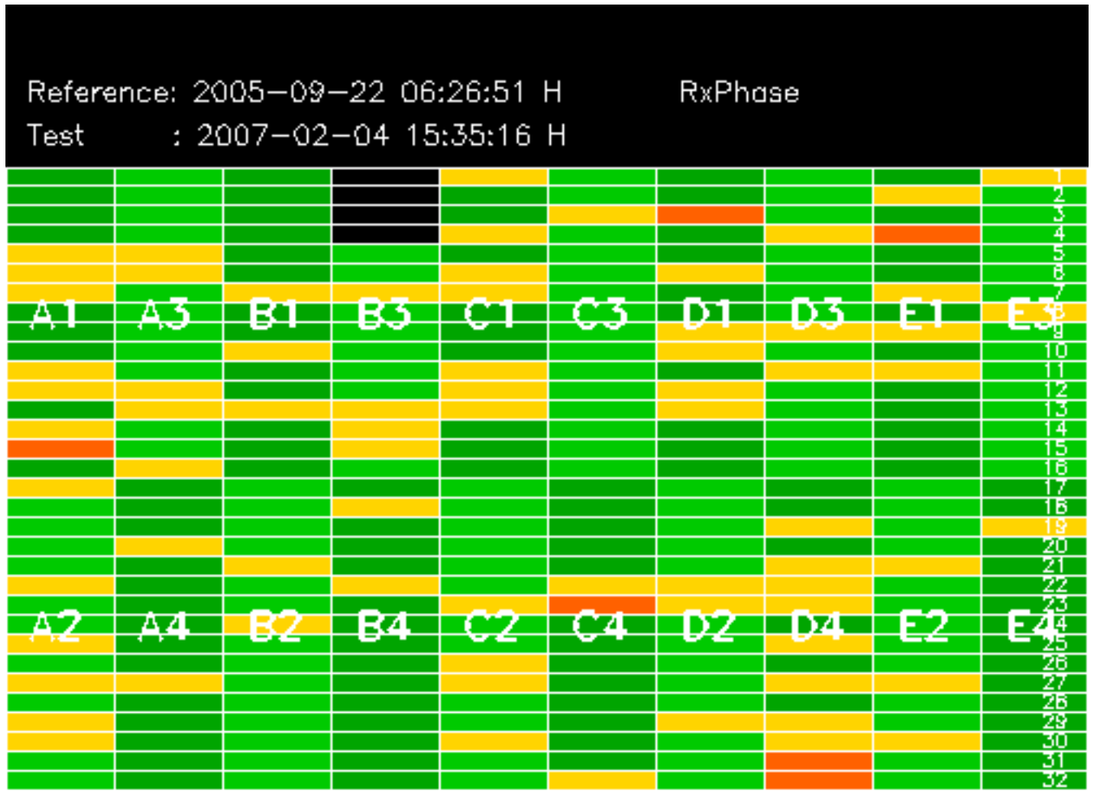

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-04 15:35:16 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-02-04 15:35:16 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: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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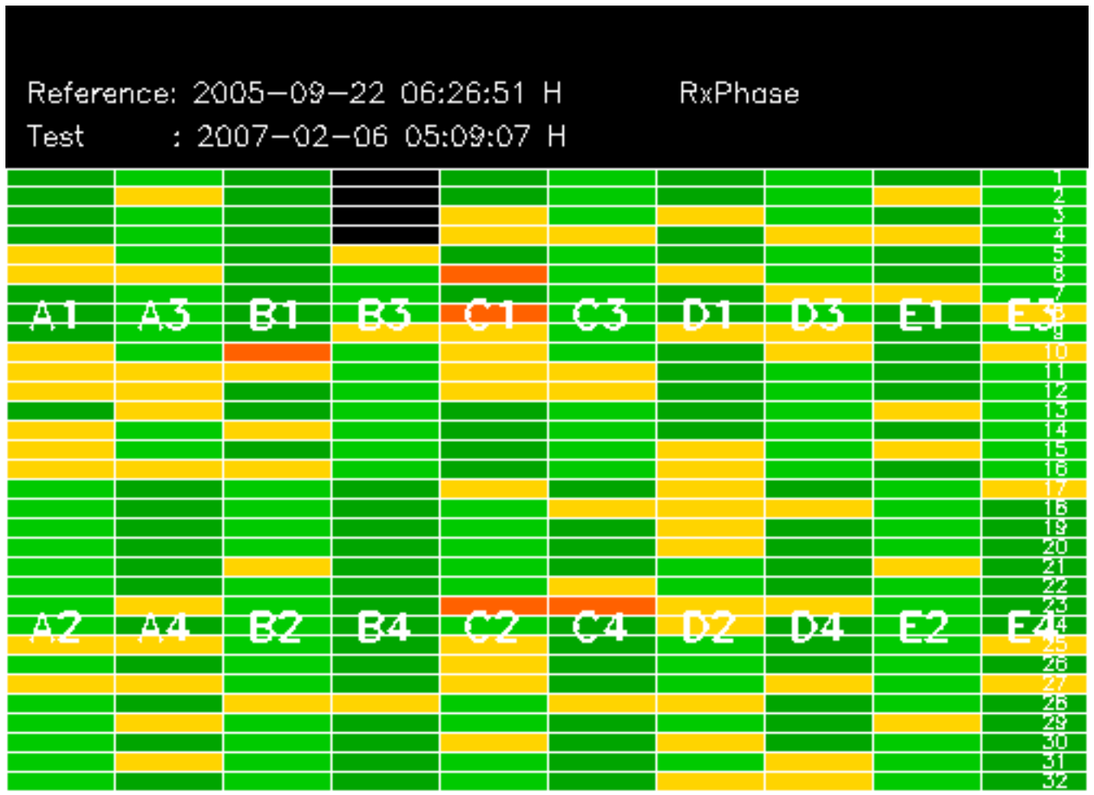
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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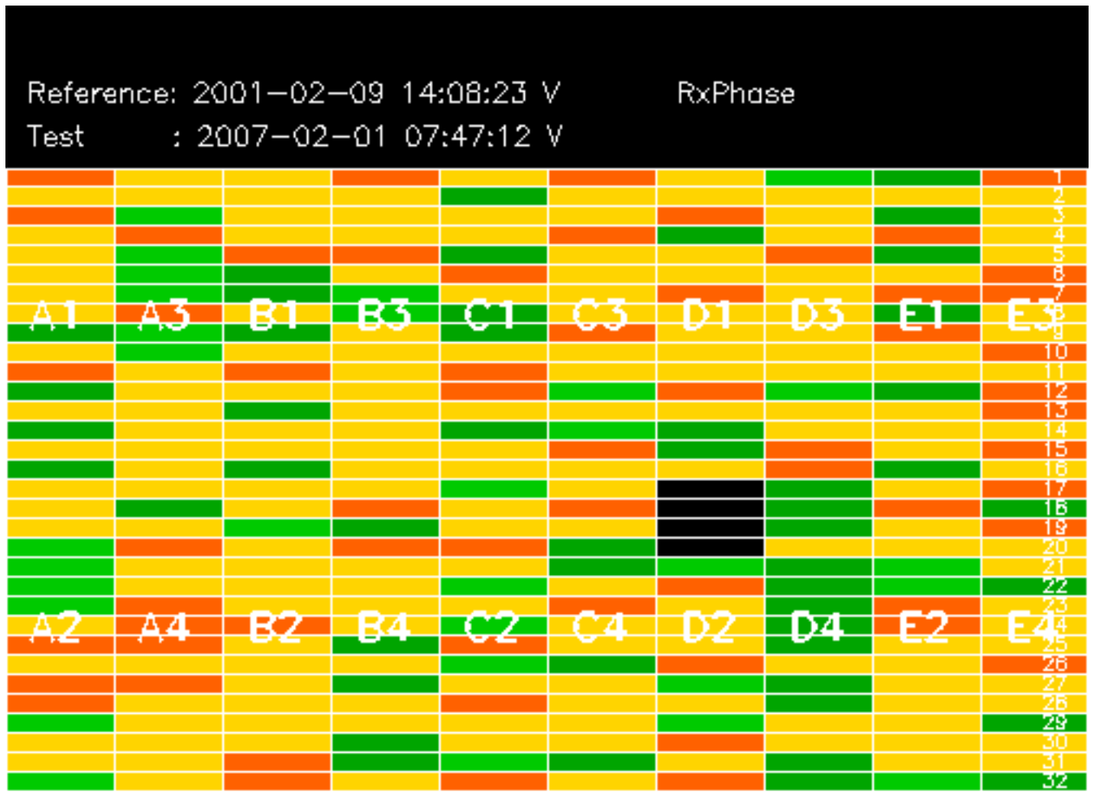
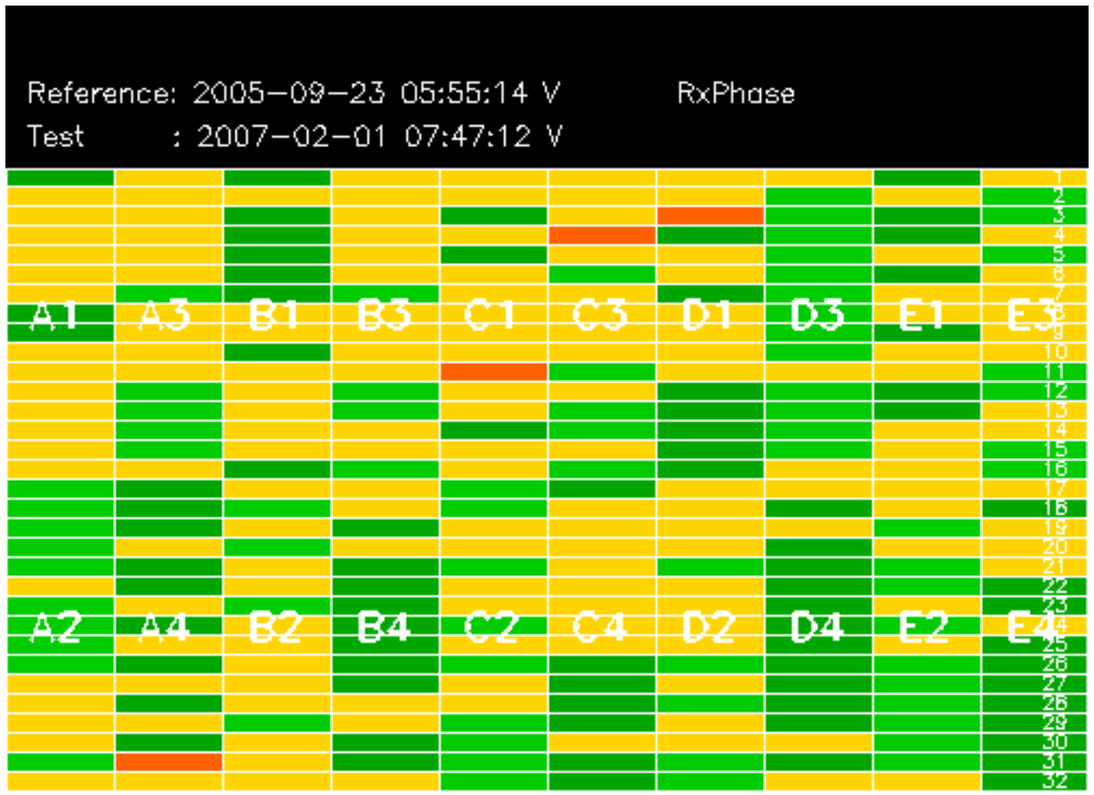
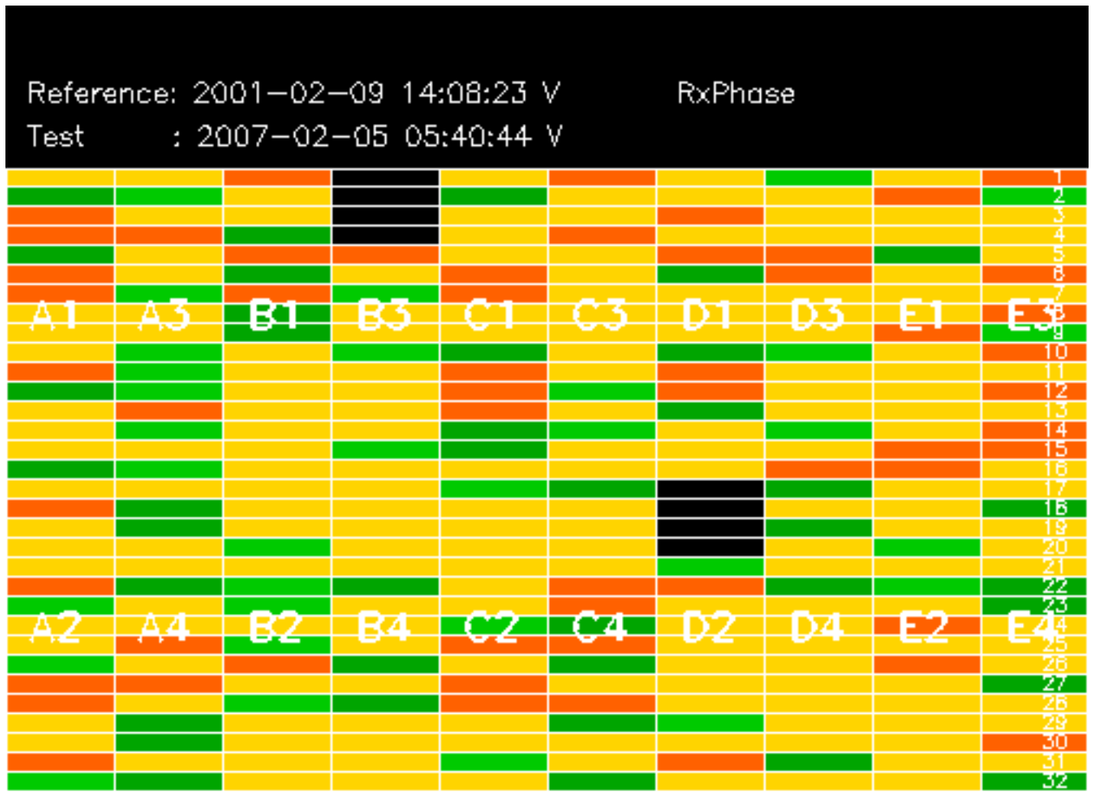

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 V
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
RxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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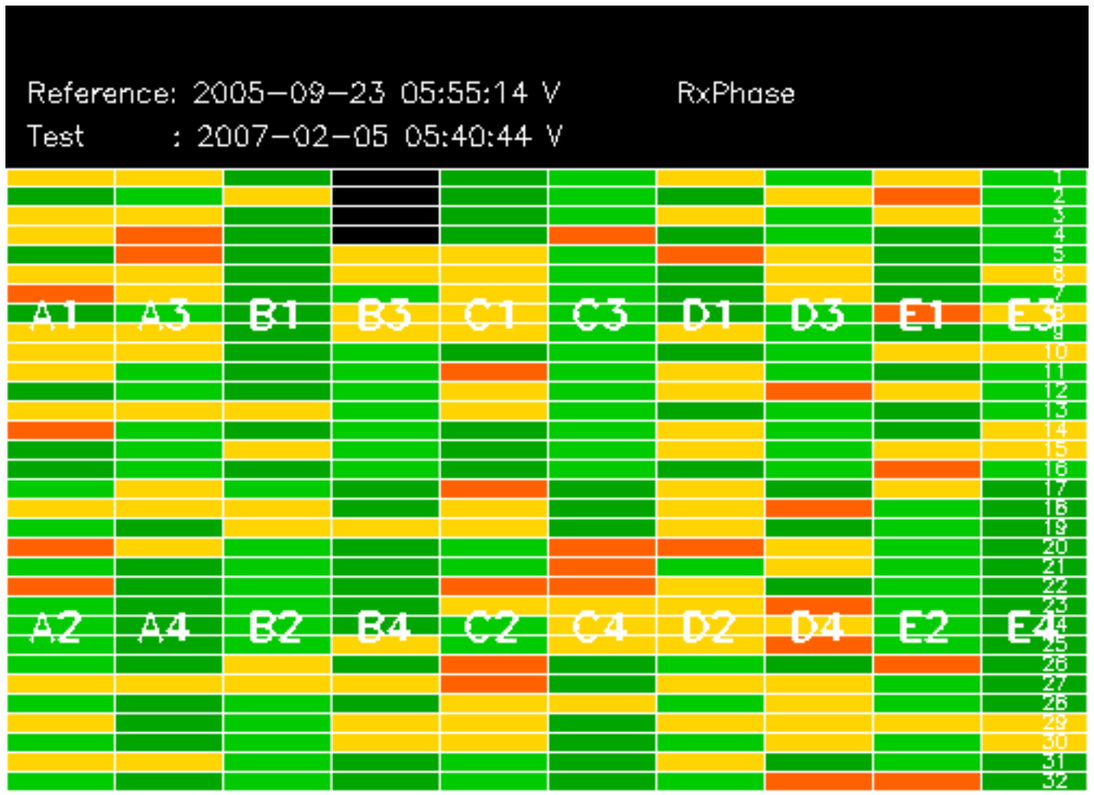
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-05 05:40:44 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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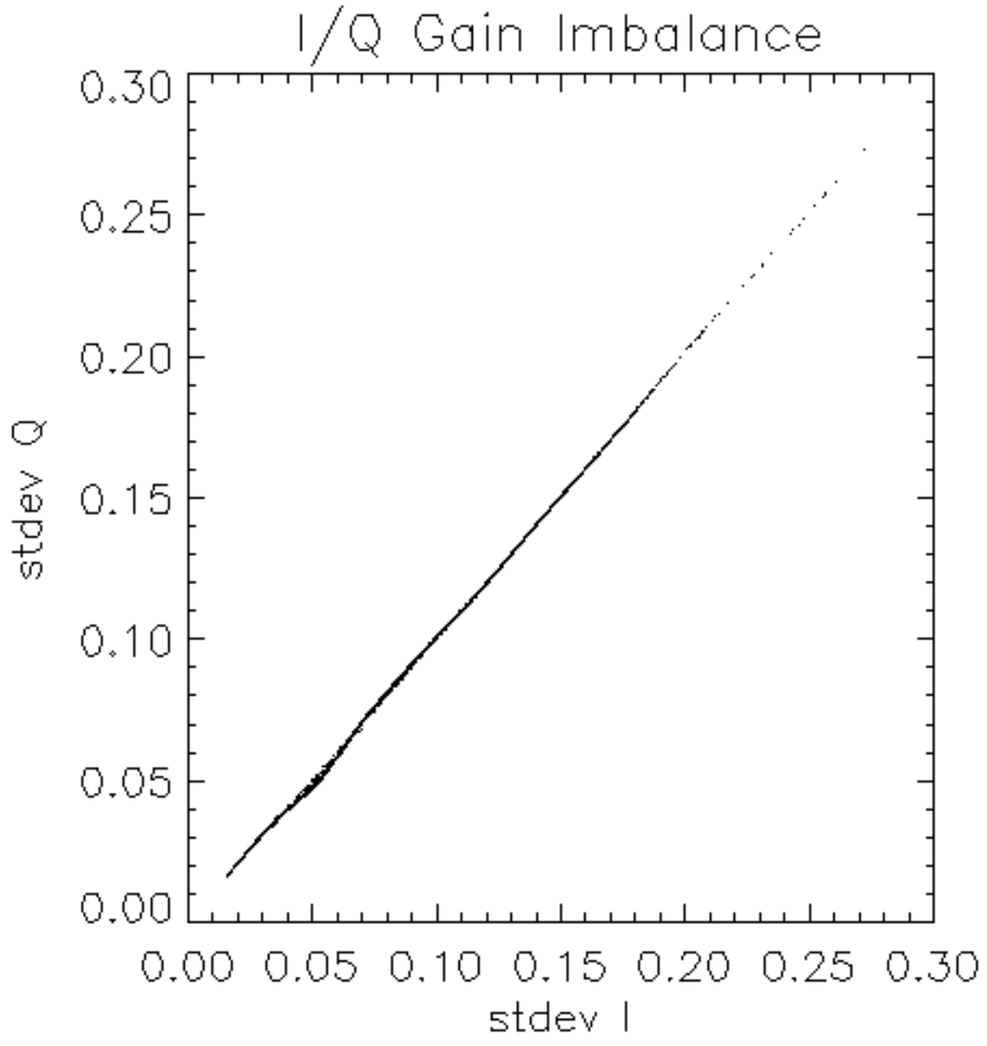
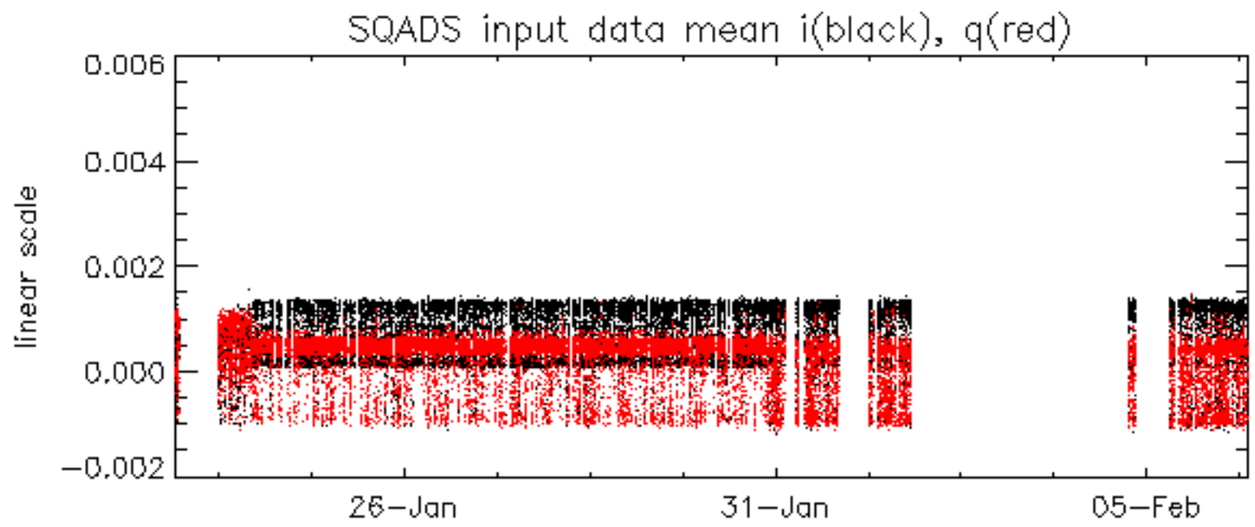
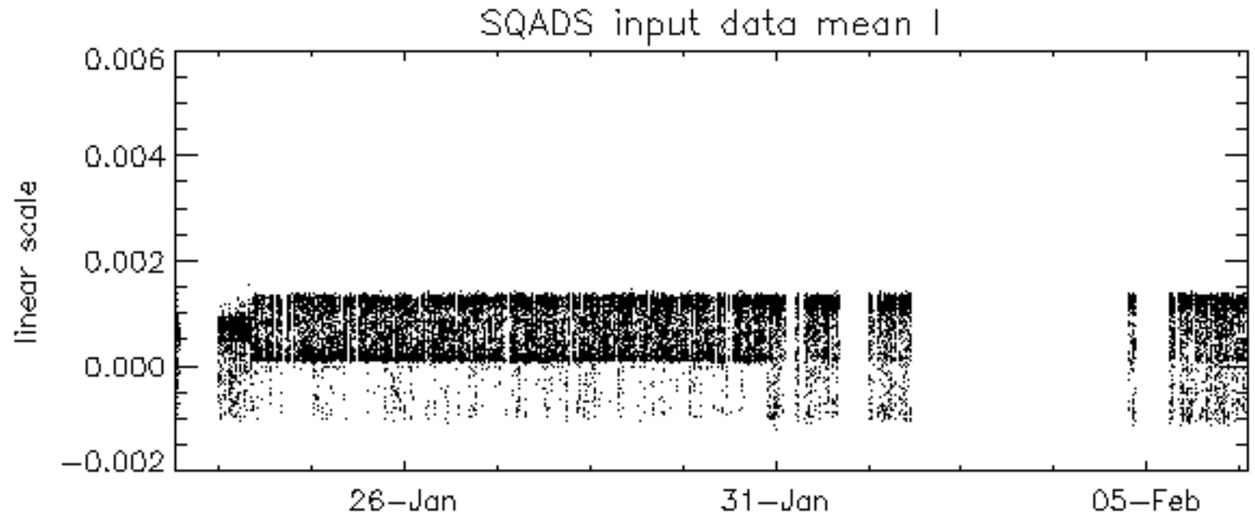
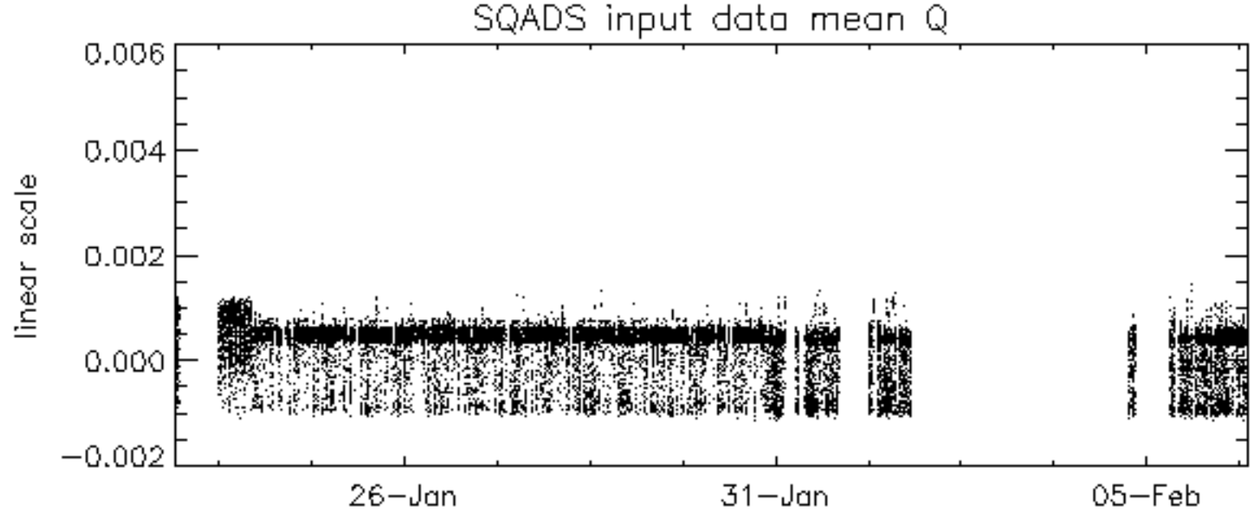
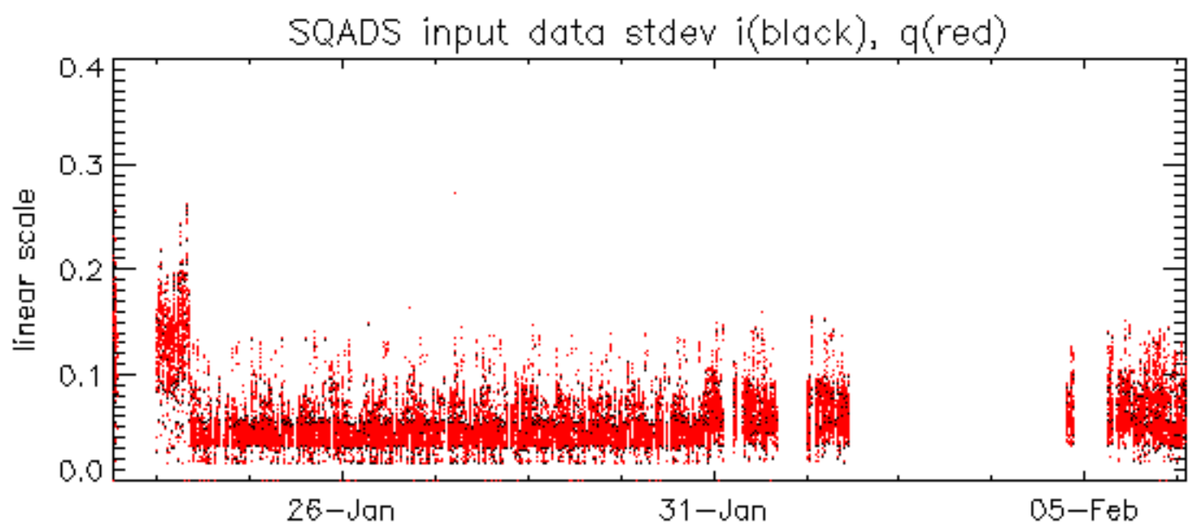
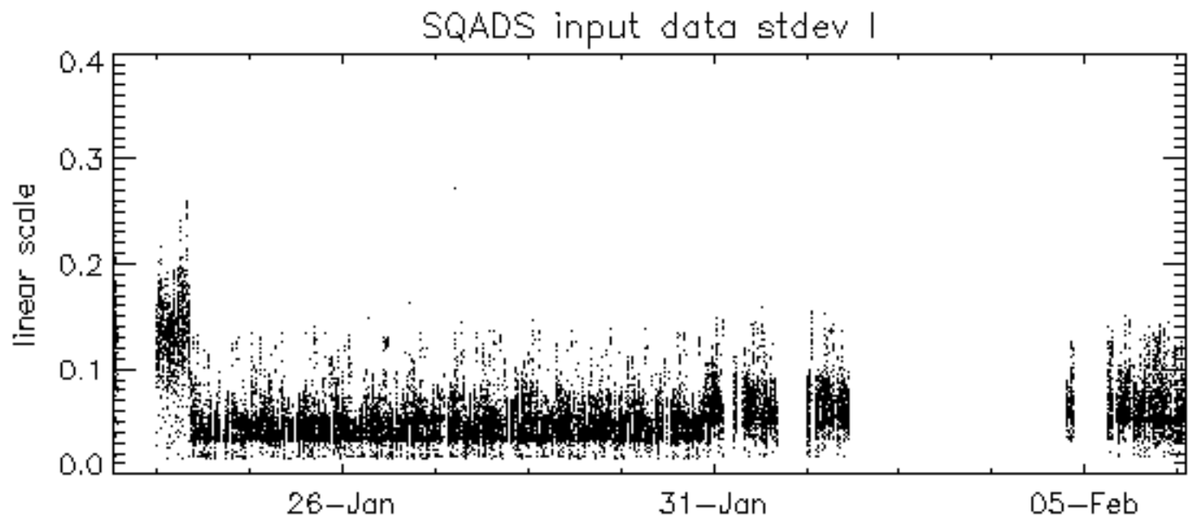

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

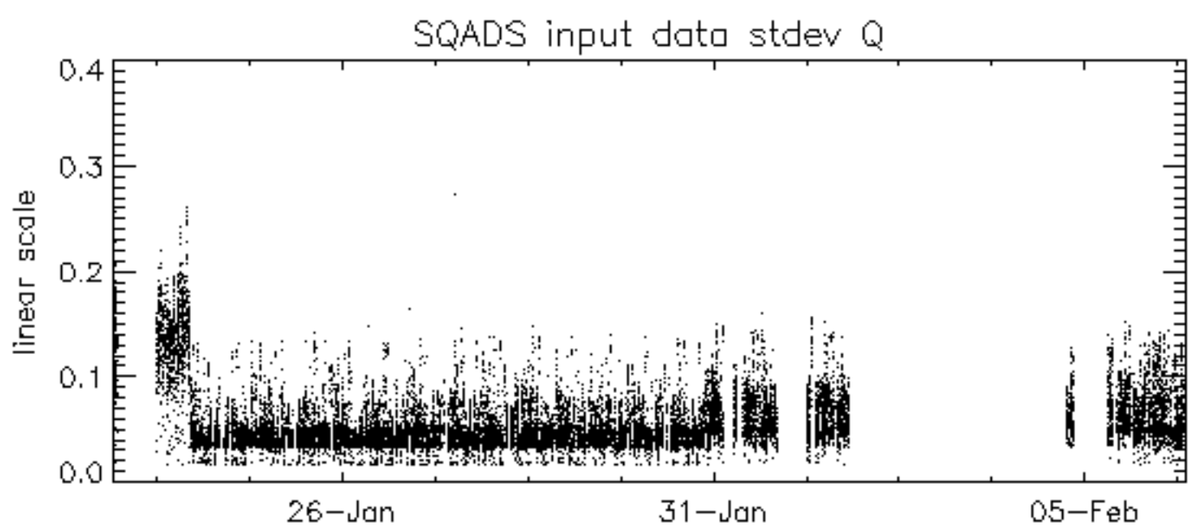

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

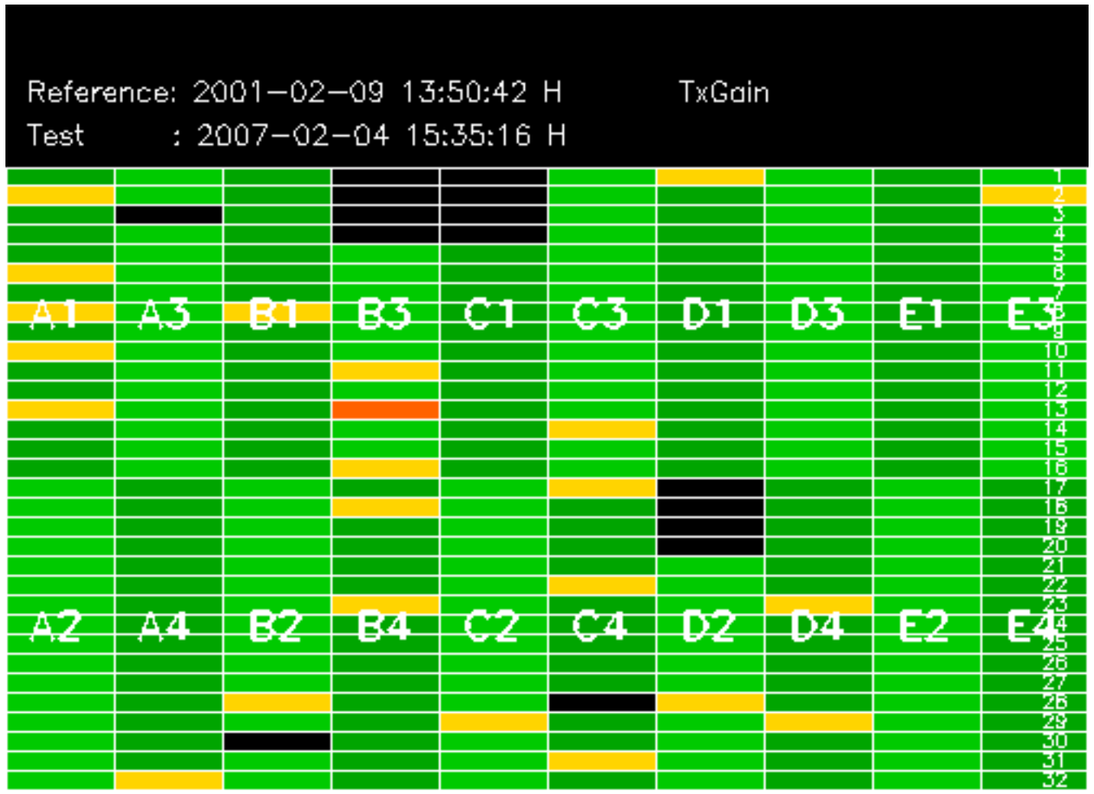

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

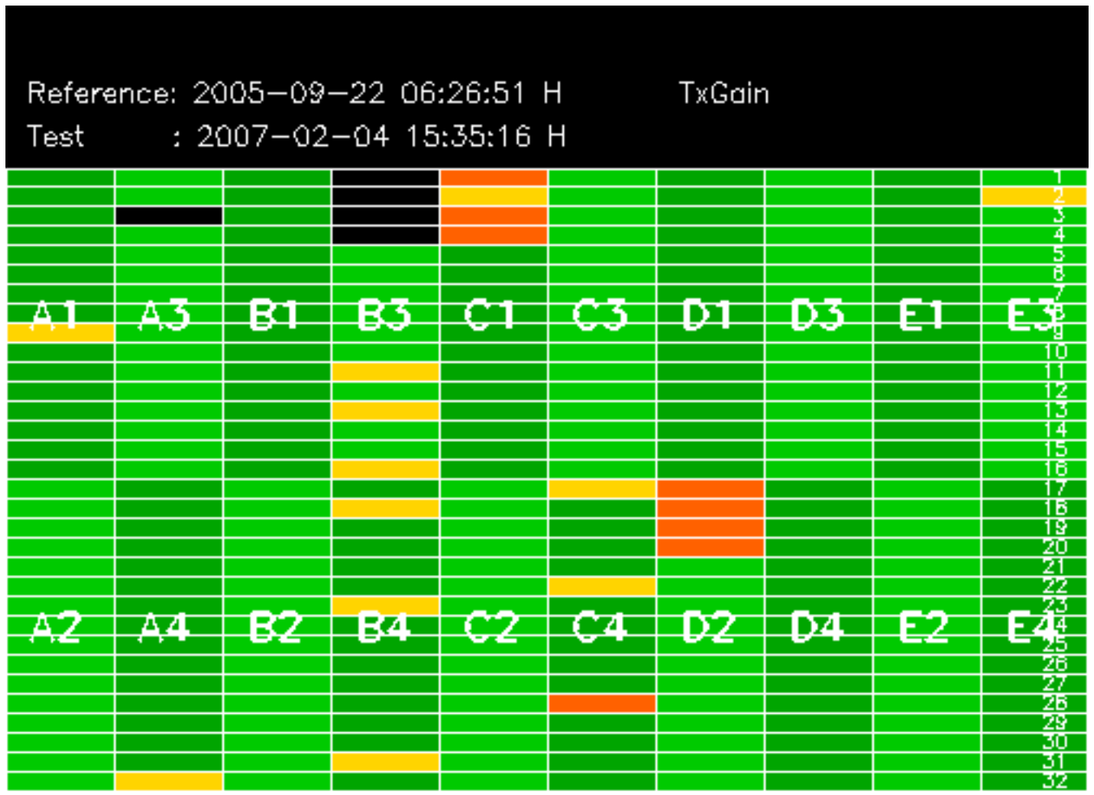

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

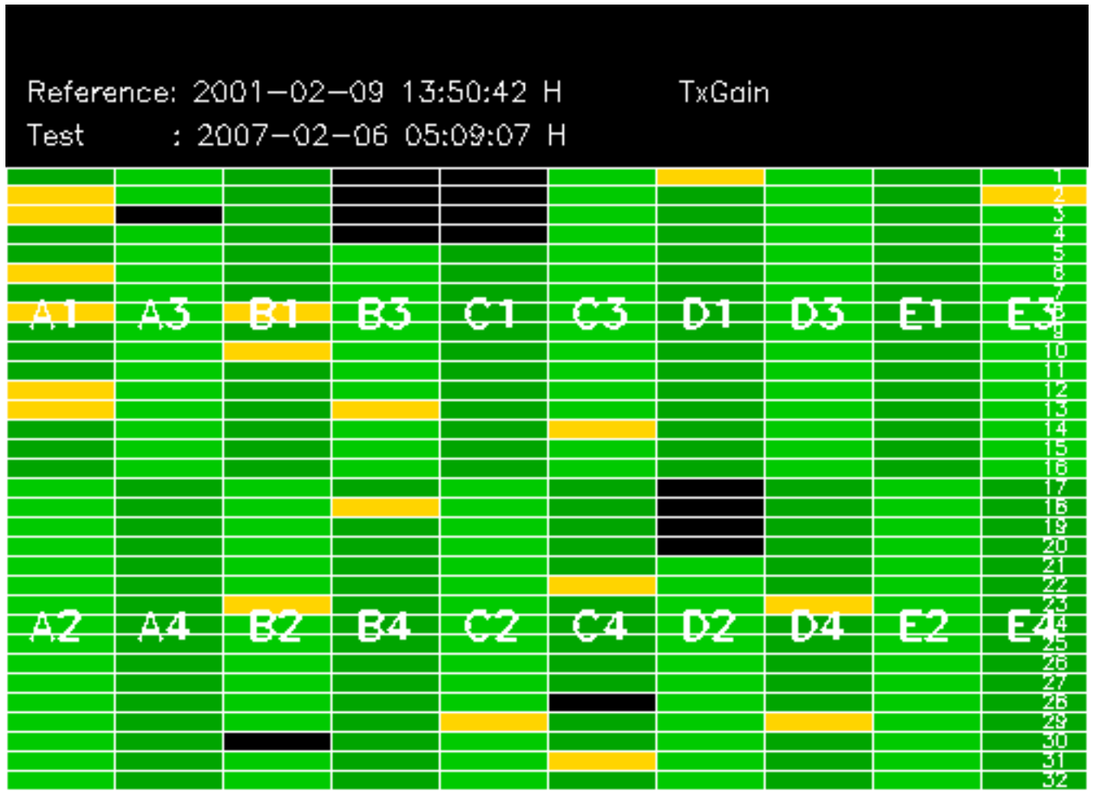

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
26−Jan
31−Jan
05−Feb


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26−Jan
31−Jan
05−Feb


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26−Jan
31−Jan
05−Feb


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-04 15:35:16 H
TxGain
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 : 2007-02-04 15:35:16 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-06 05:09:07 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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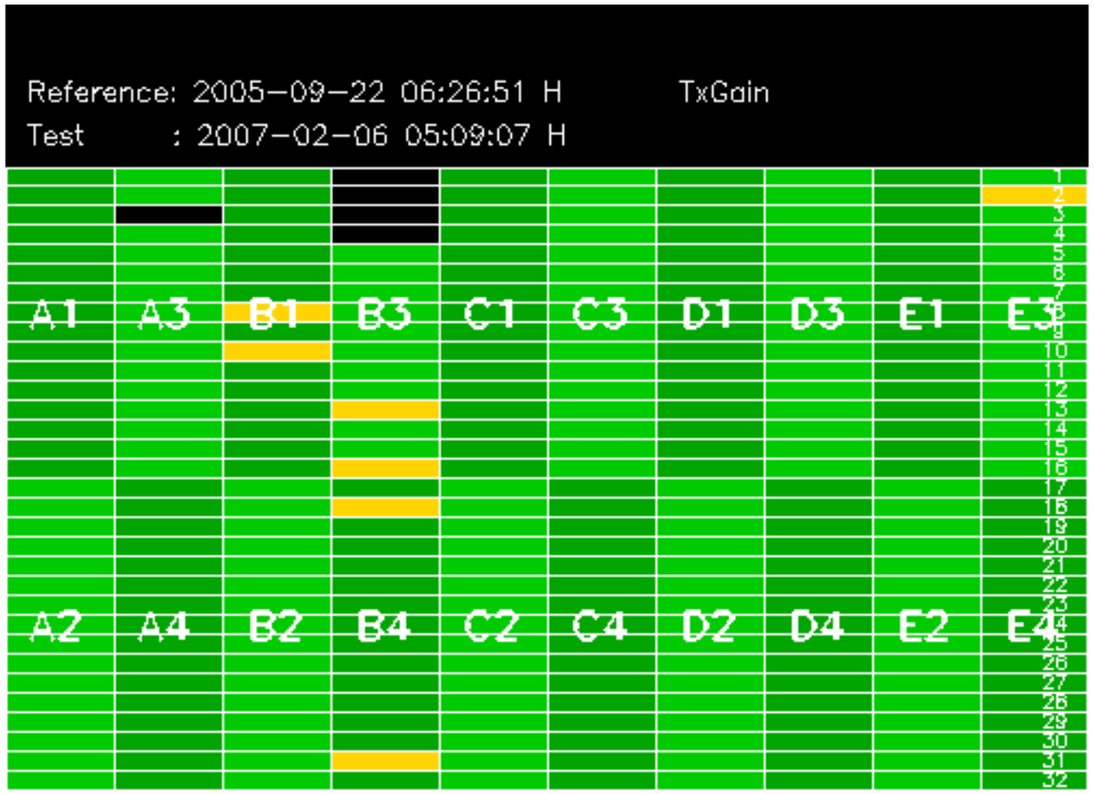
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-06 05:09:07 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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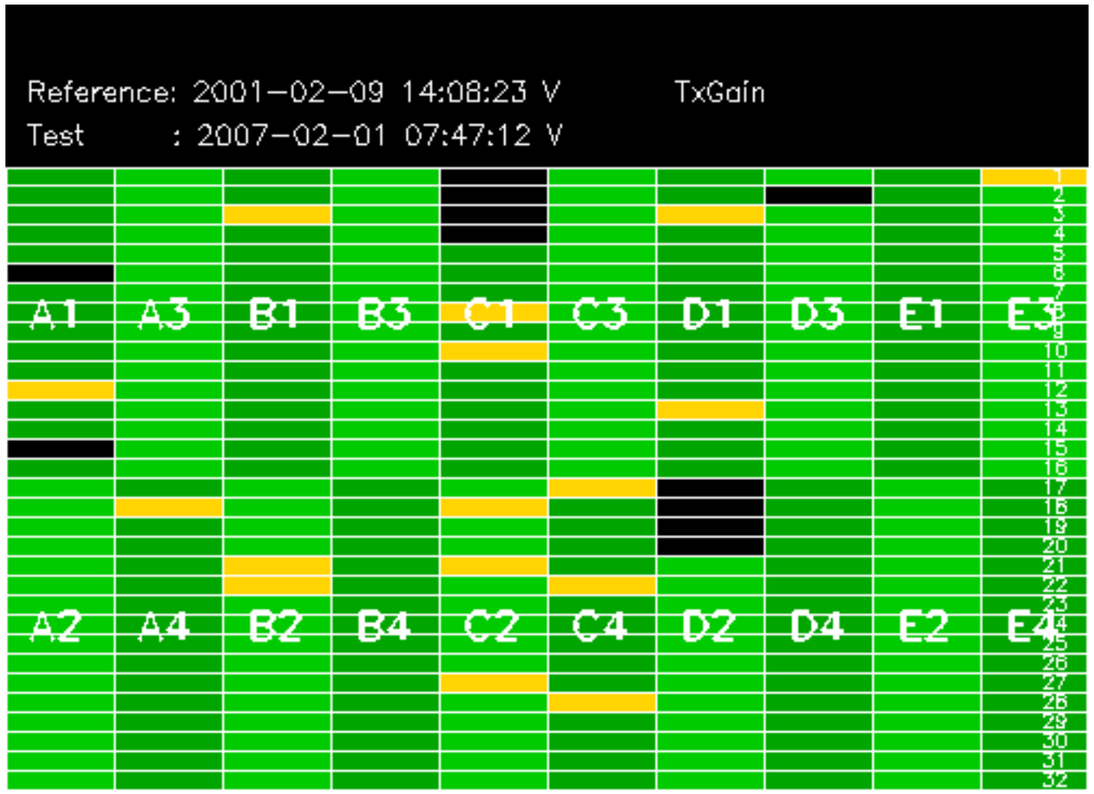
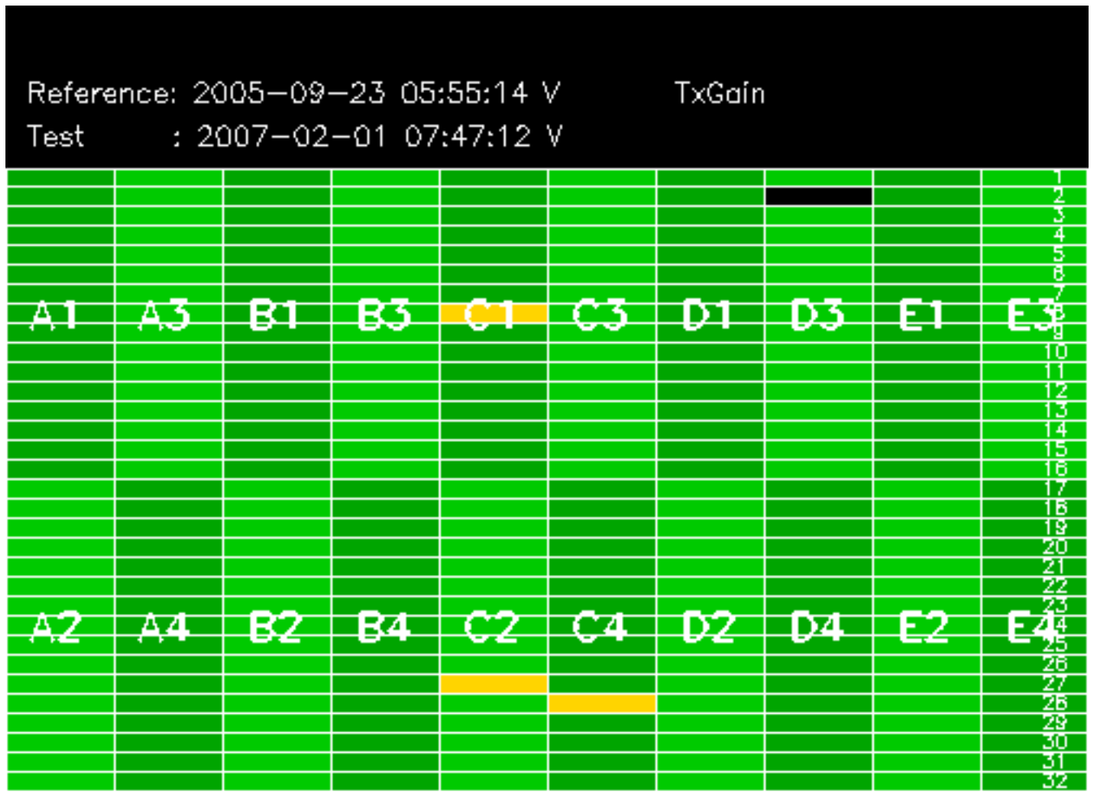

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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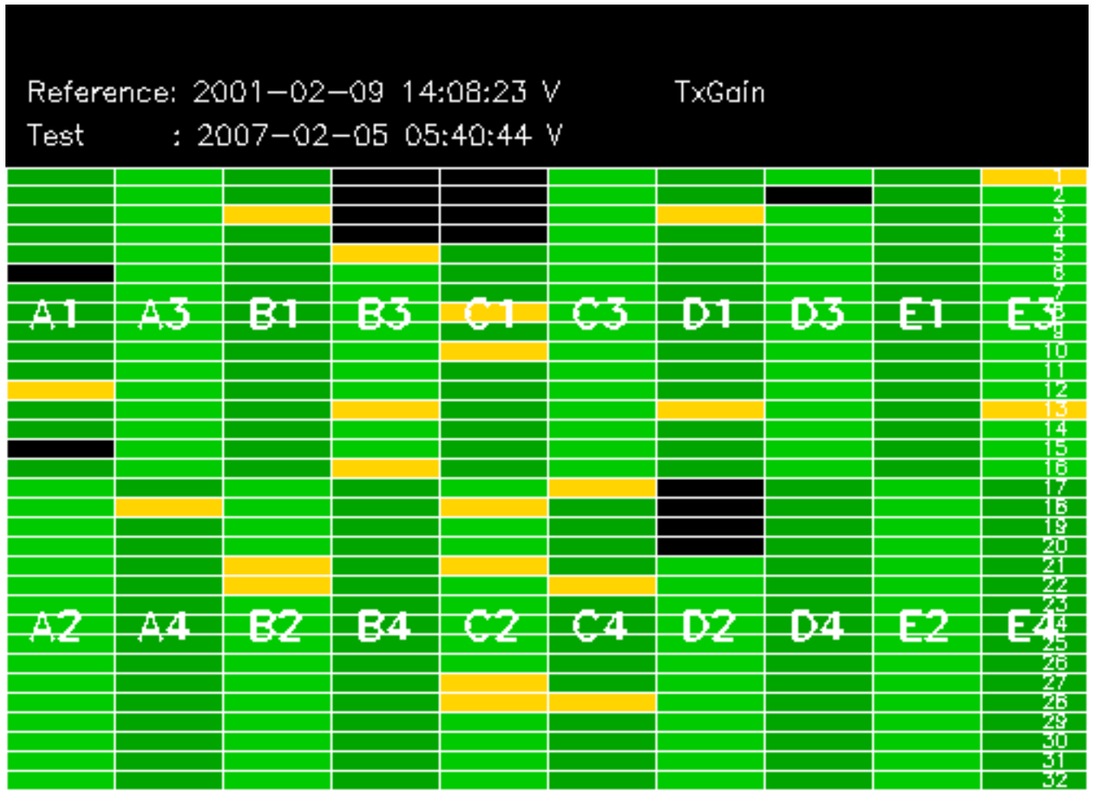
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-05 05:40:44 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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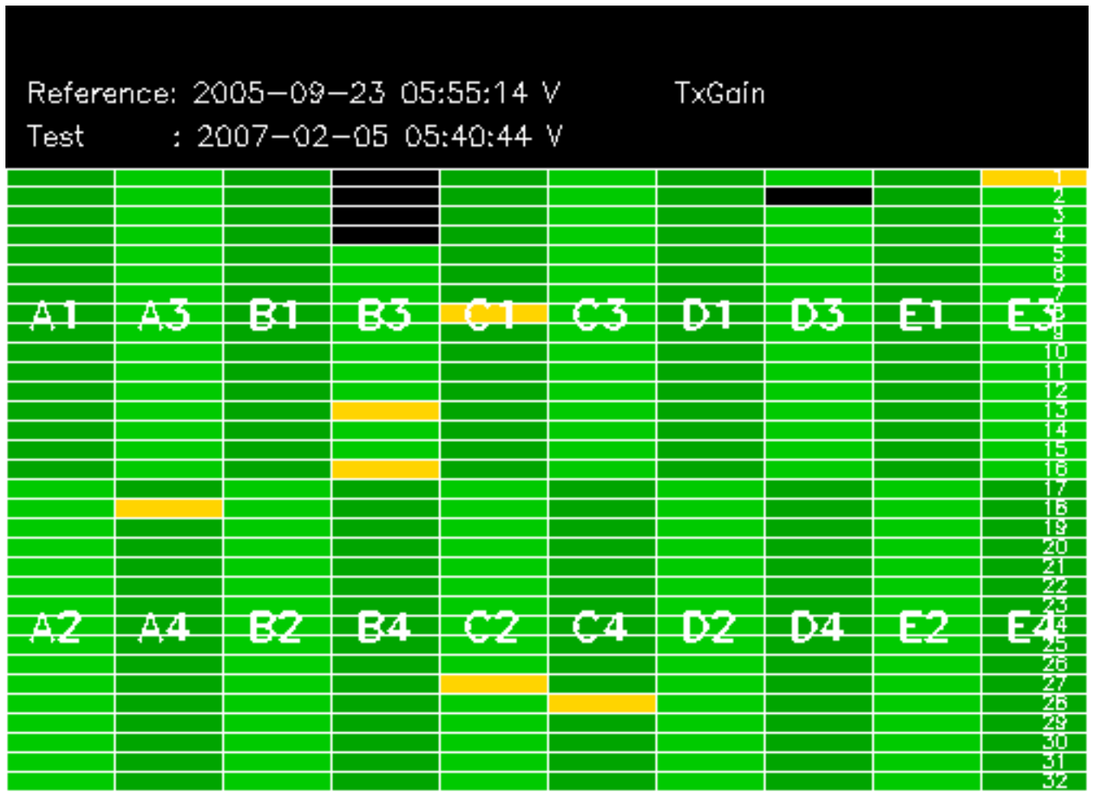
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-05 05:40:44 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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9
10
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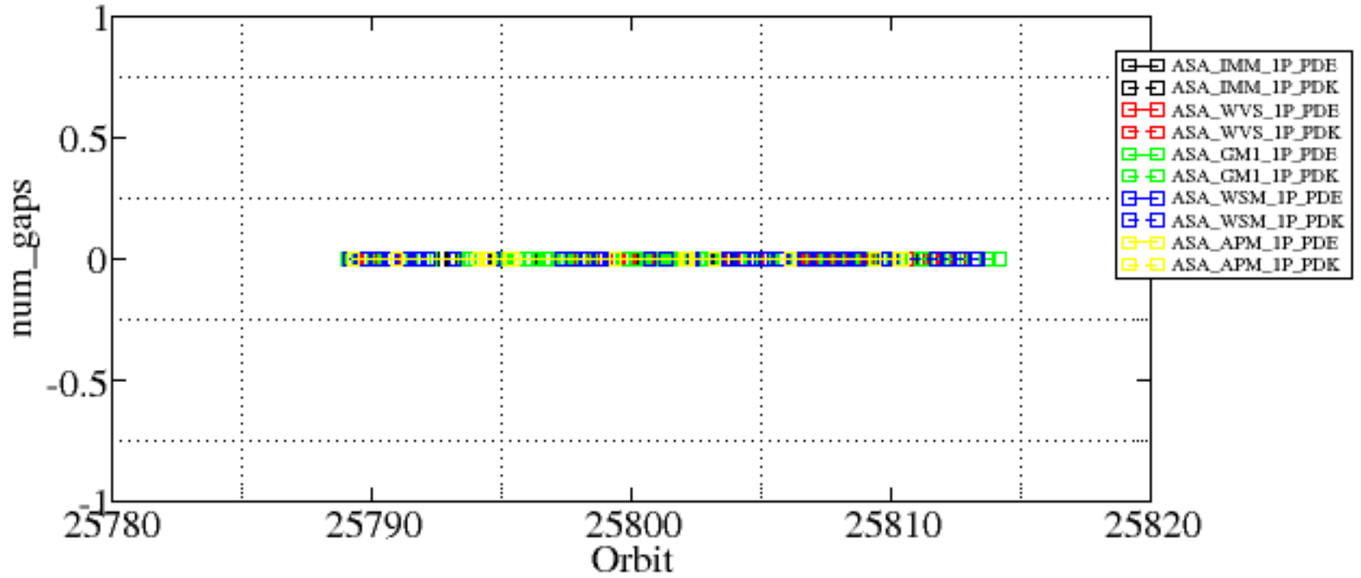
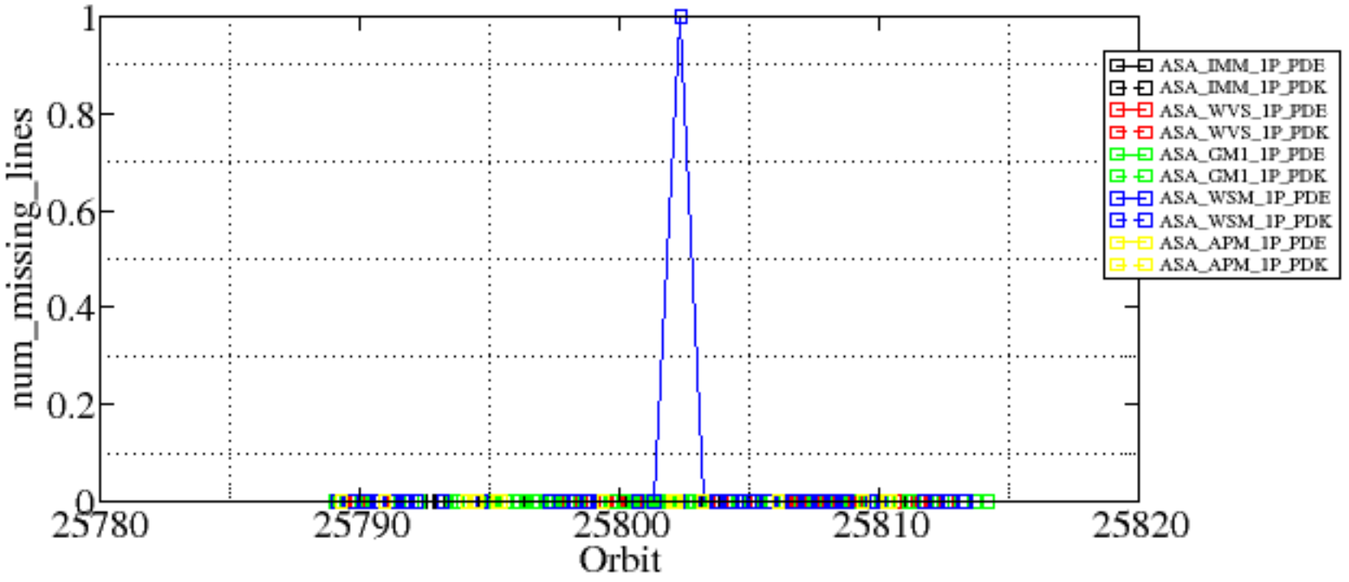
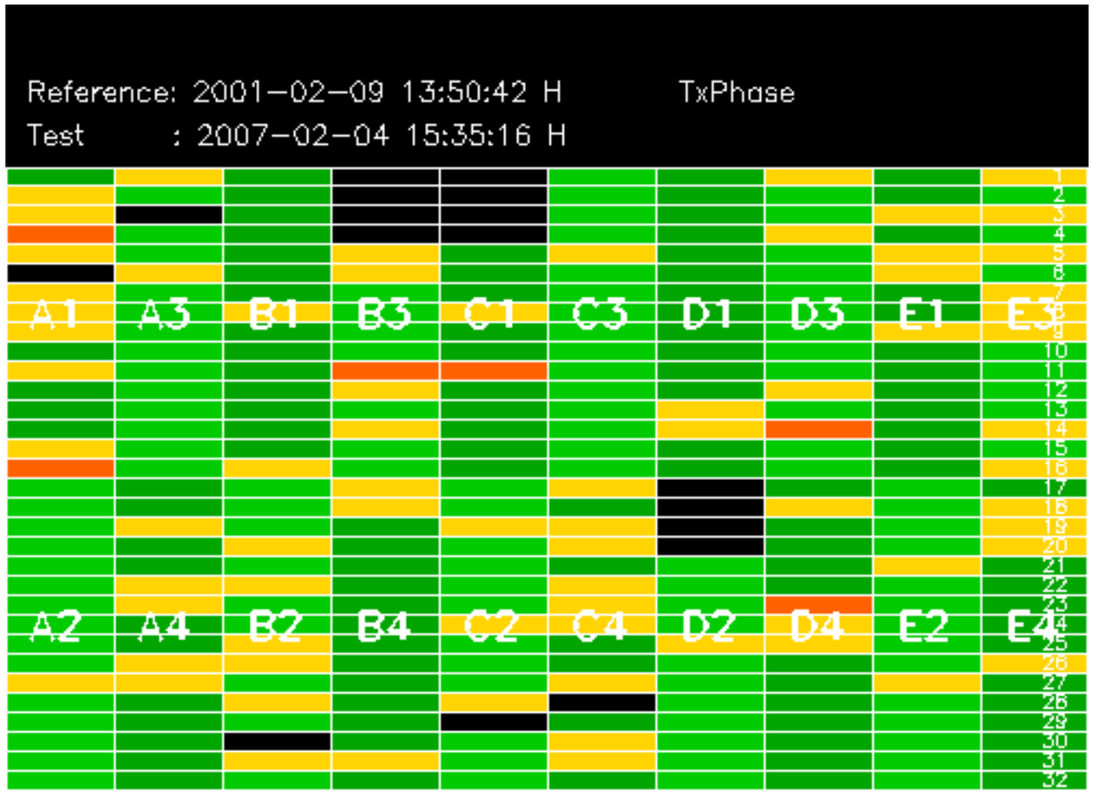
Summary of analysis for the last 3 days 2007020[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20070205_151401_000000852055_00197_25802_5978.N1 </td> <td>0 </td> <td>1 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
25780
25790
25800
25810
25820
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
1
0.8
0.6
0.4
0.2
0
25780
25790
25800
25810
25820
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-02-04 15:35:16 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
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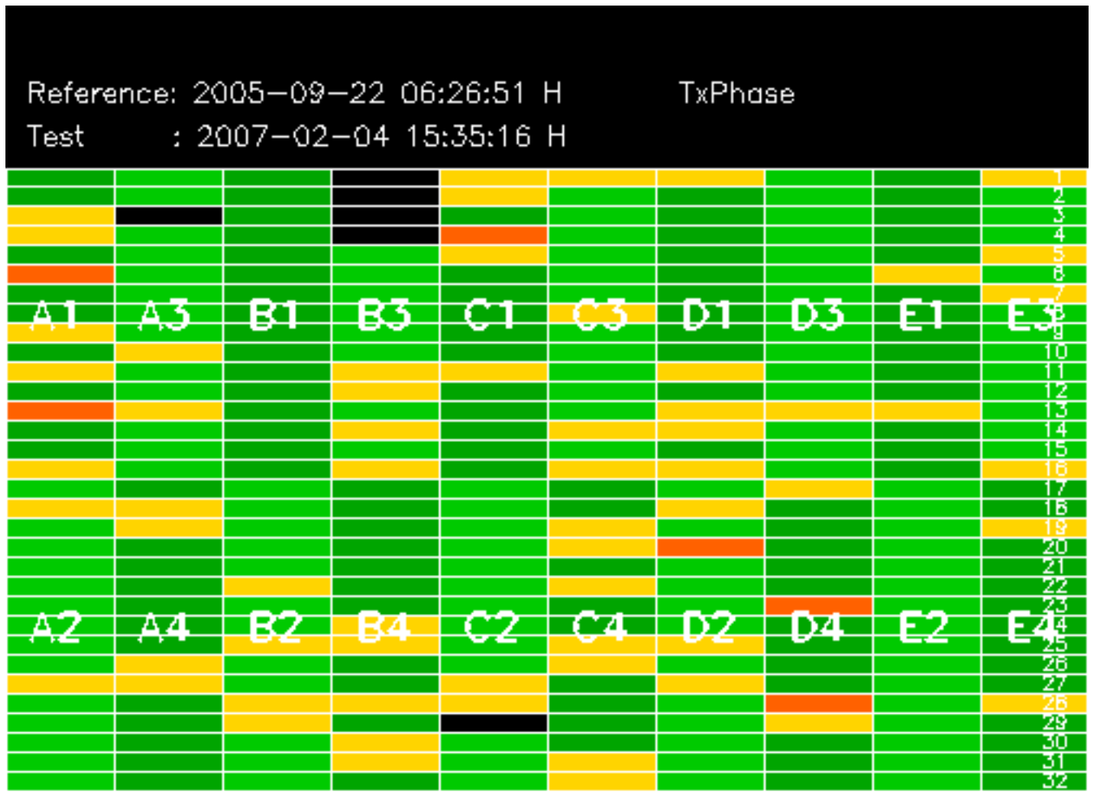
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-04 15:35:16 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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8
9
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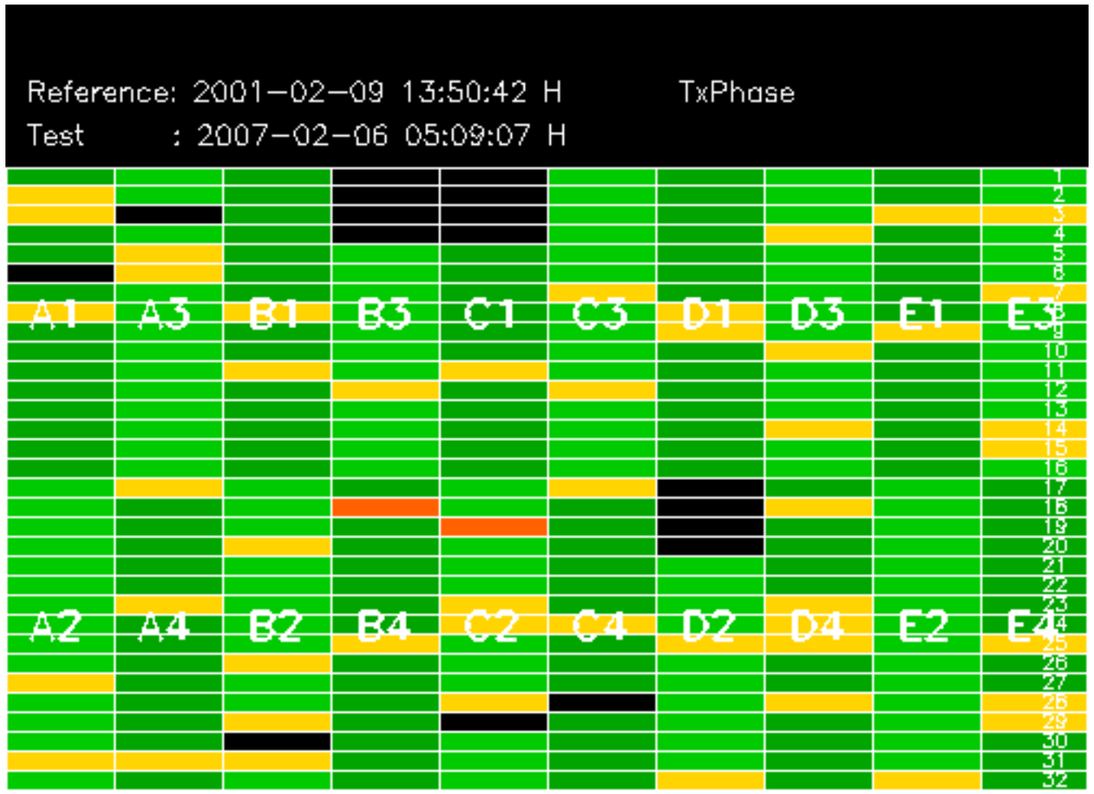
32


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2007-02-06 05:09:07 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
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8
9
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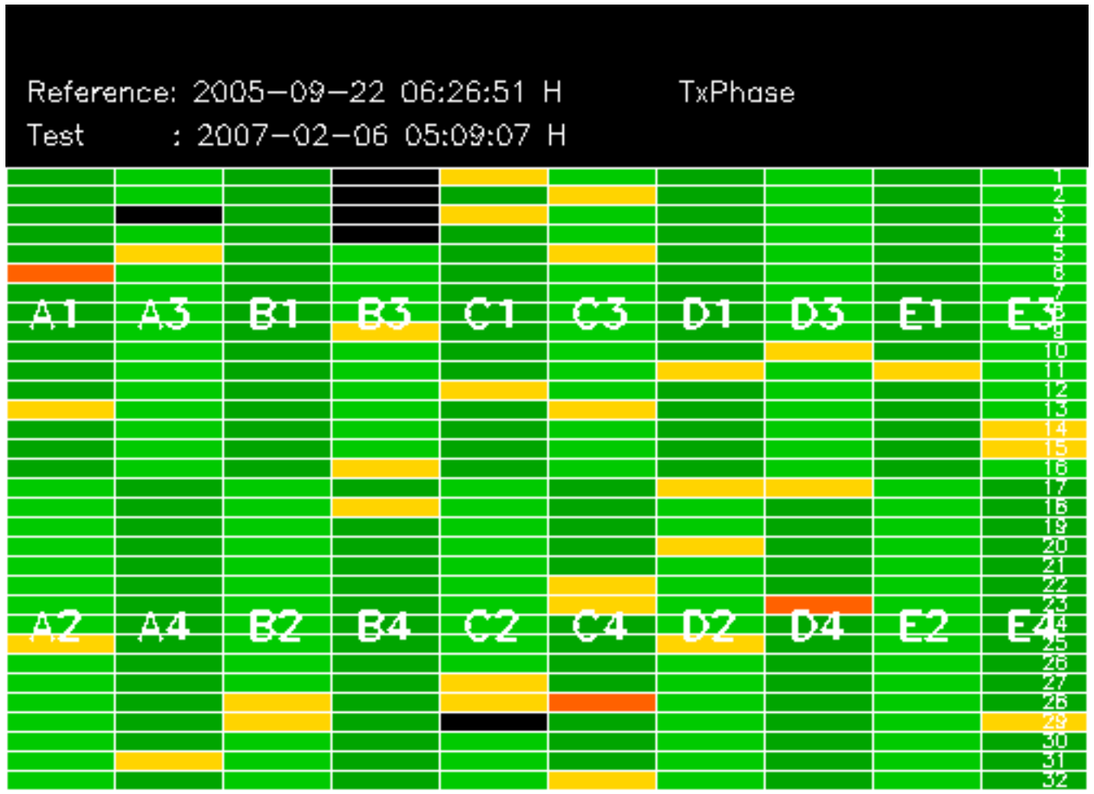
Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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9
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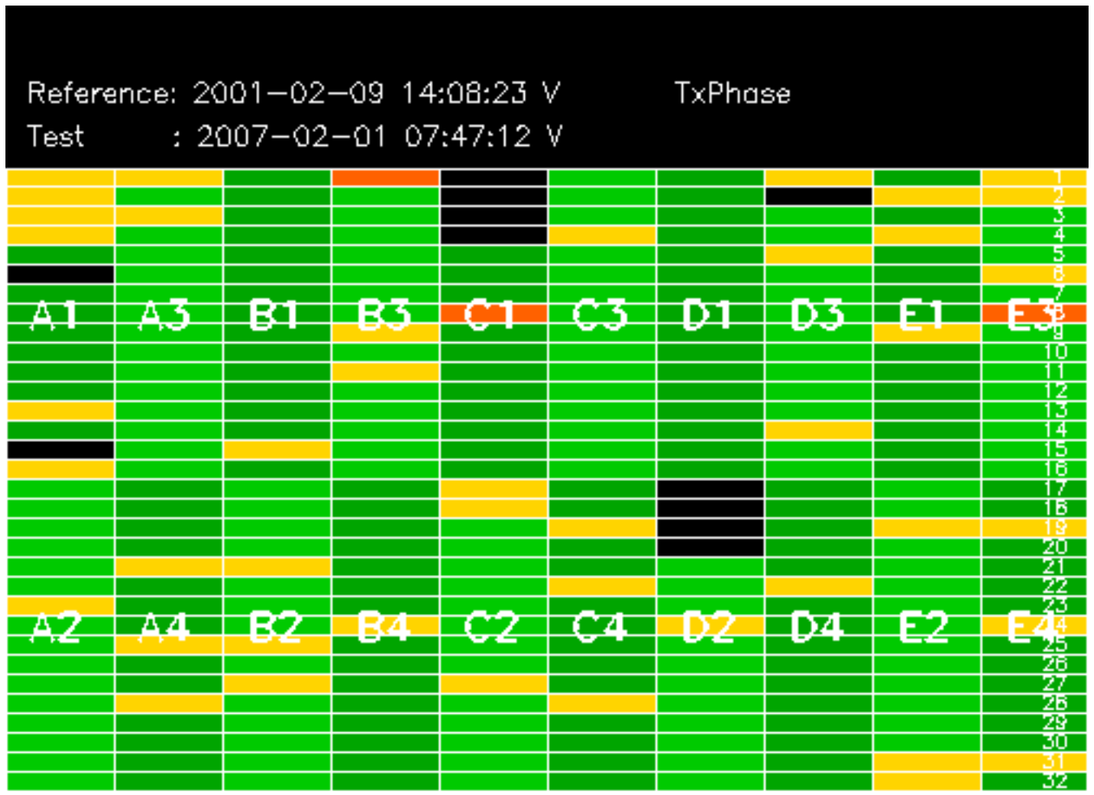
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-01 07:47:12 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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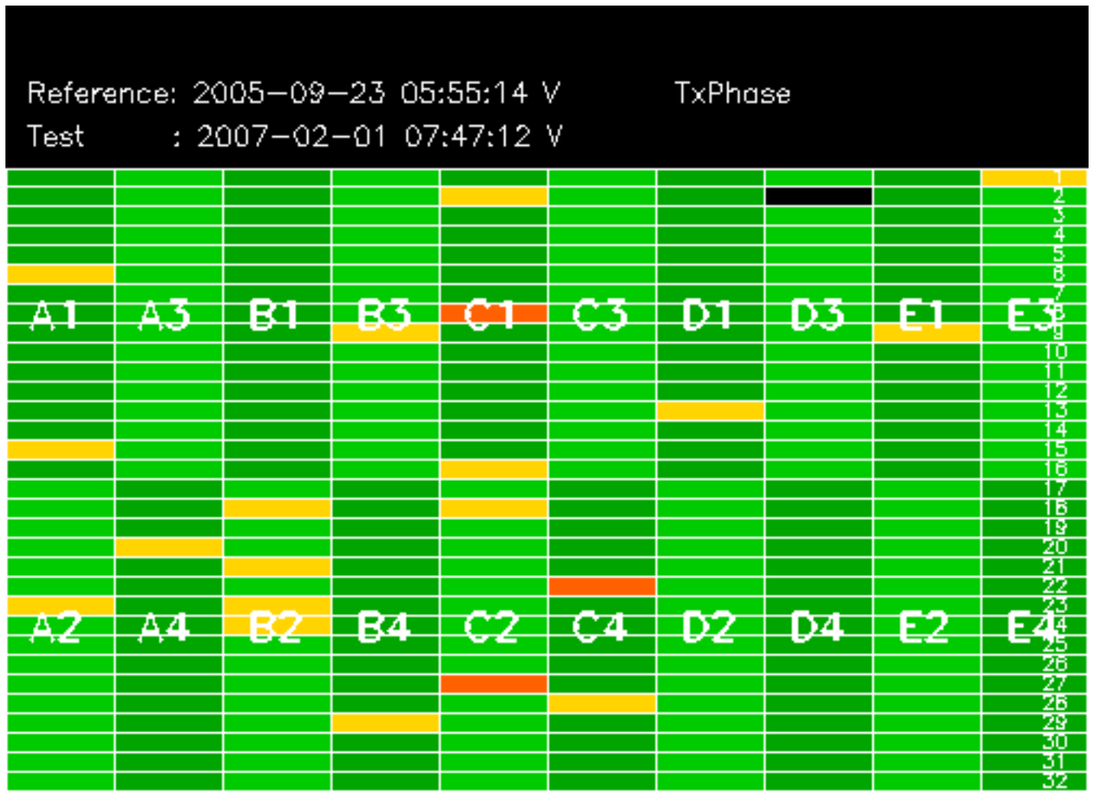
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-01 07:47:12 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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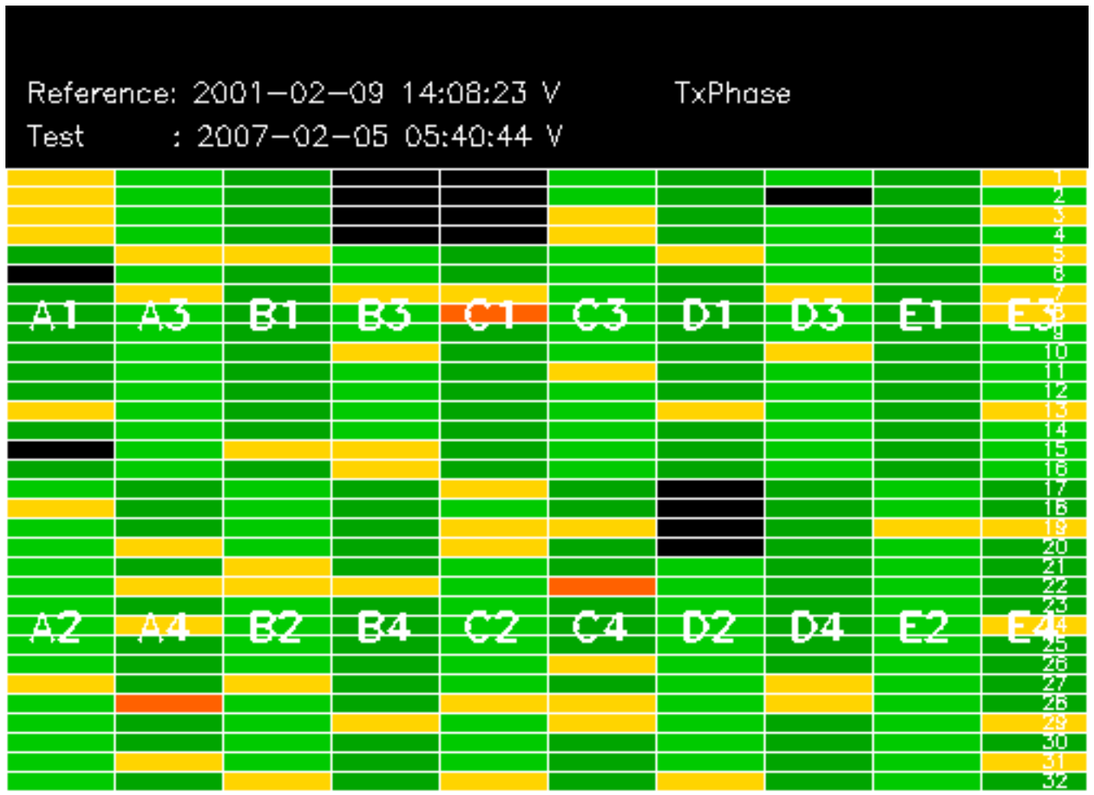
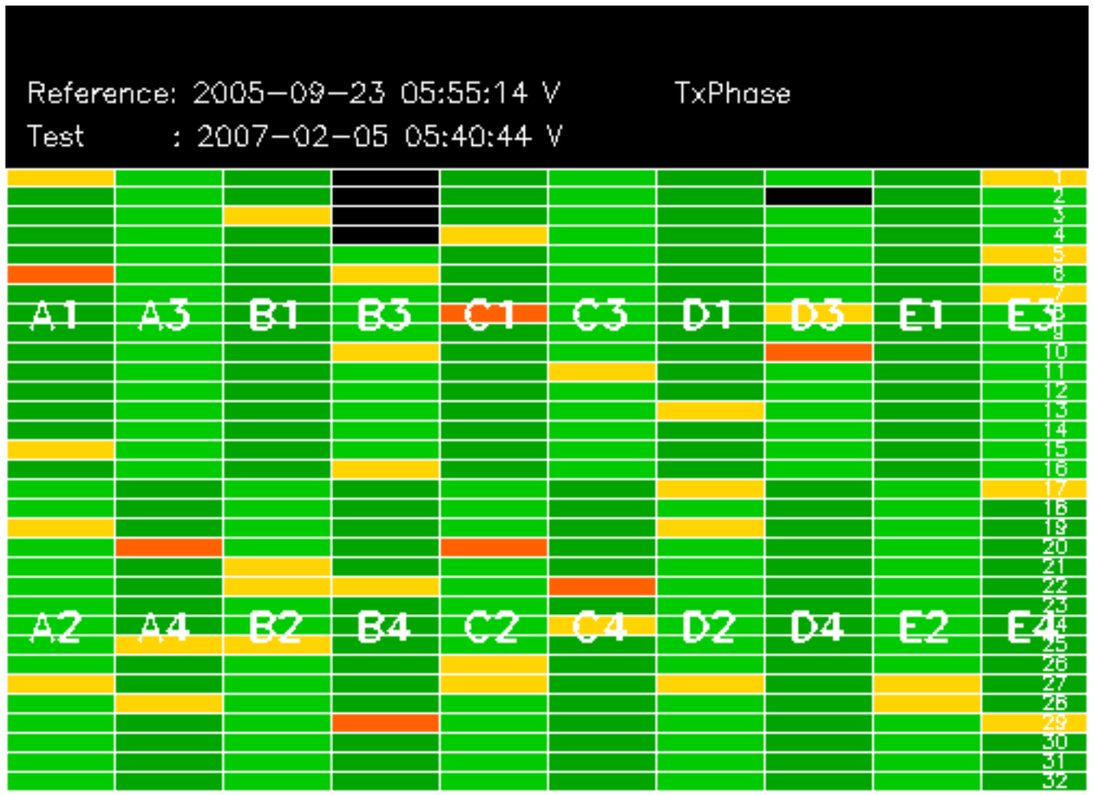

Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
TxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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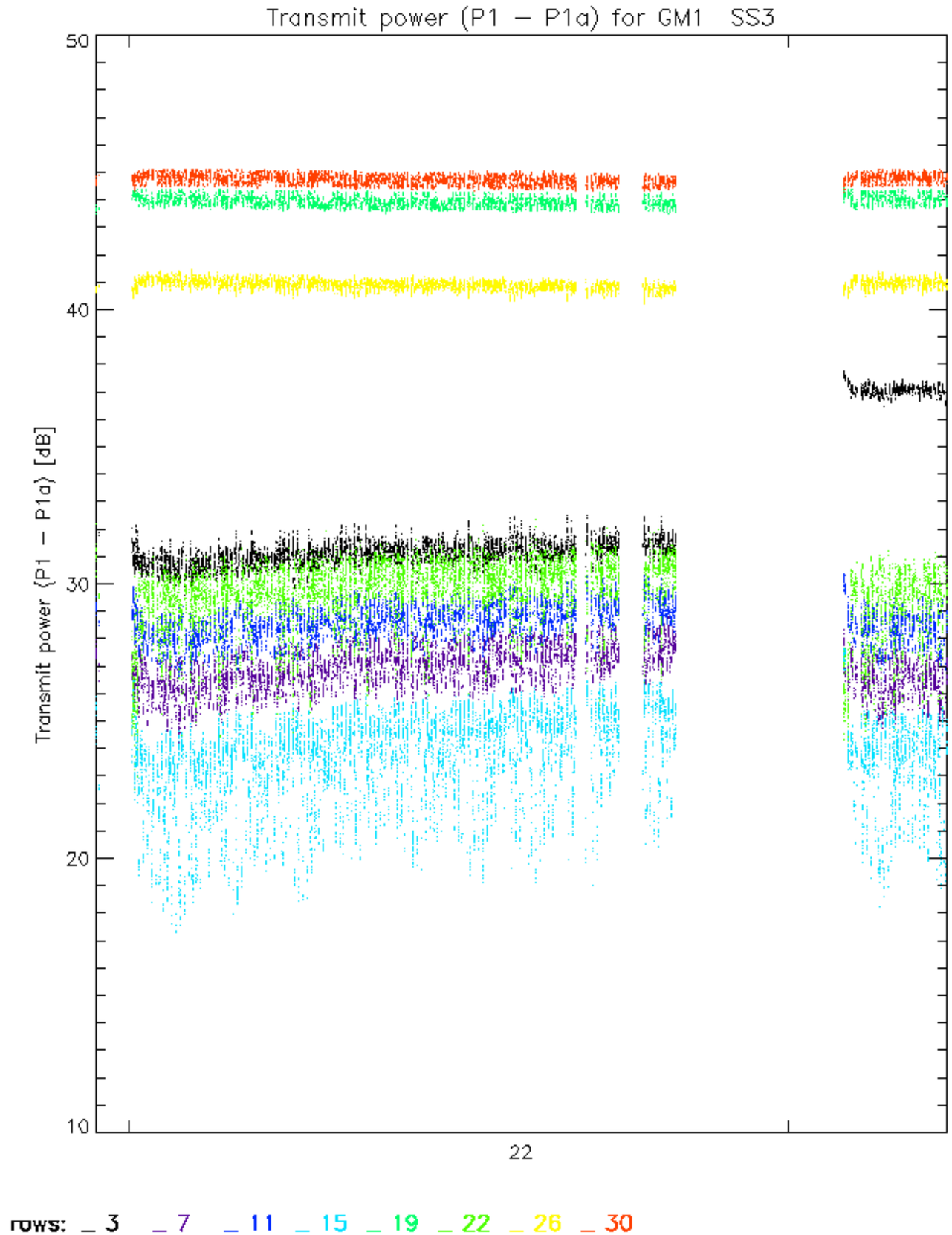
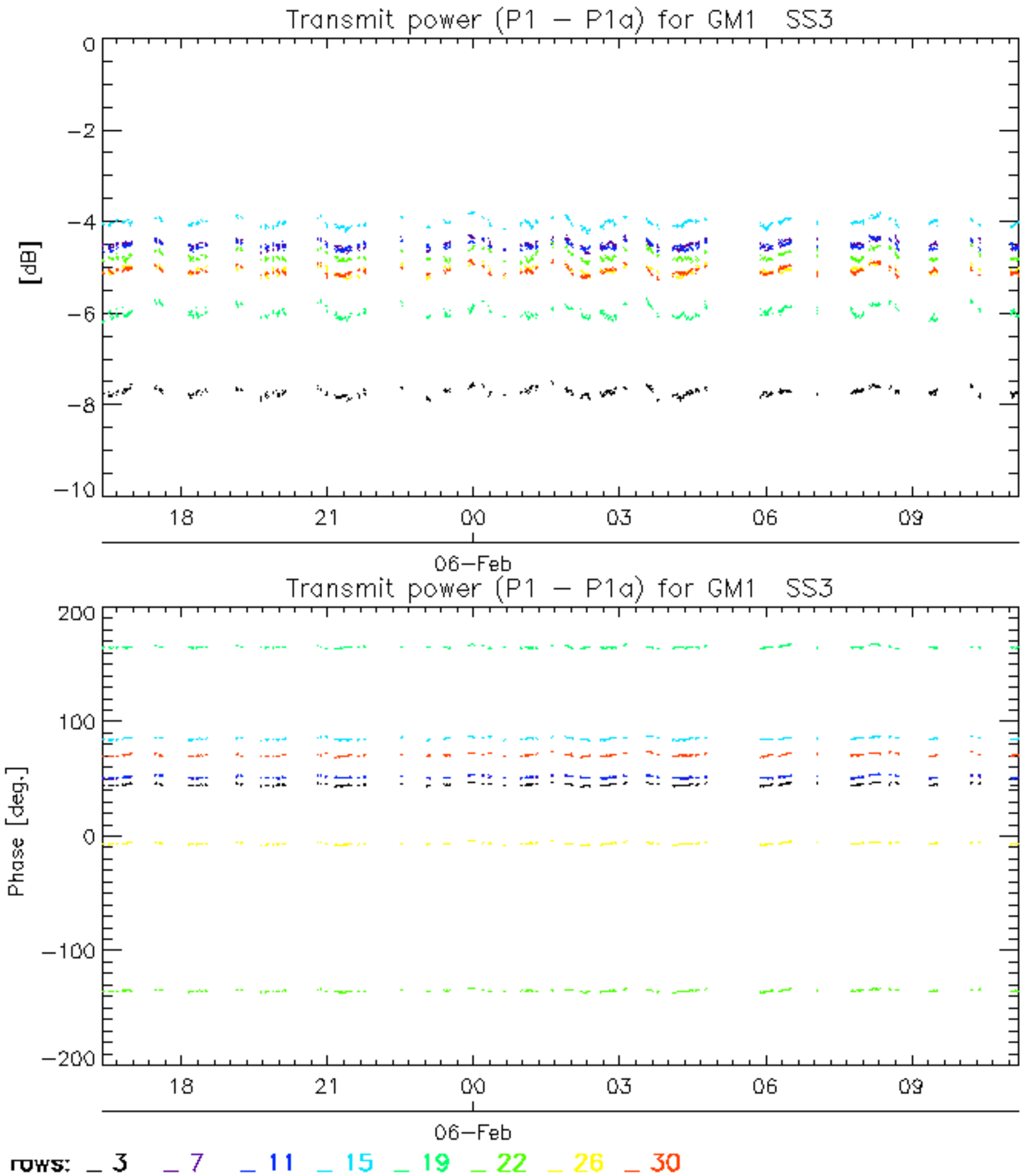
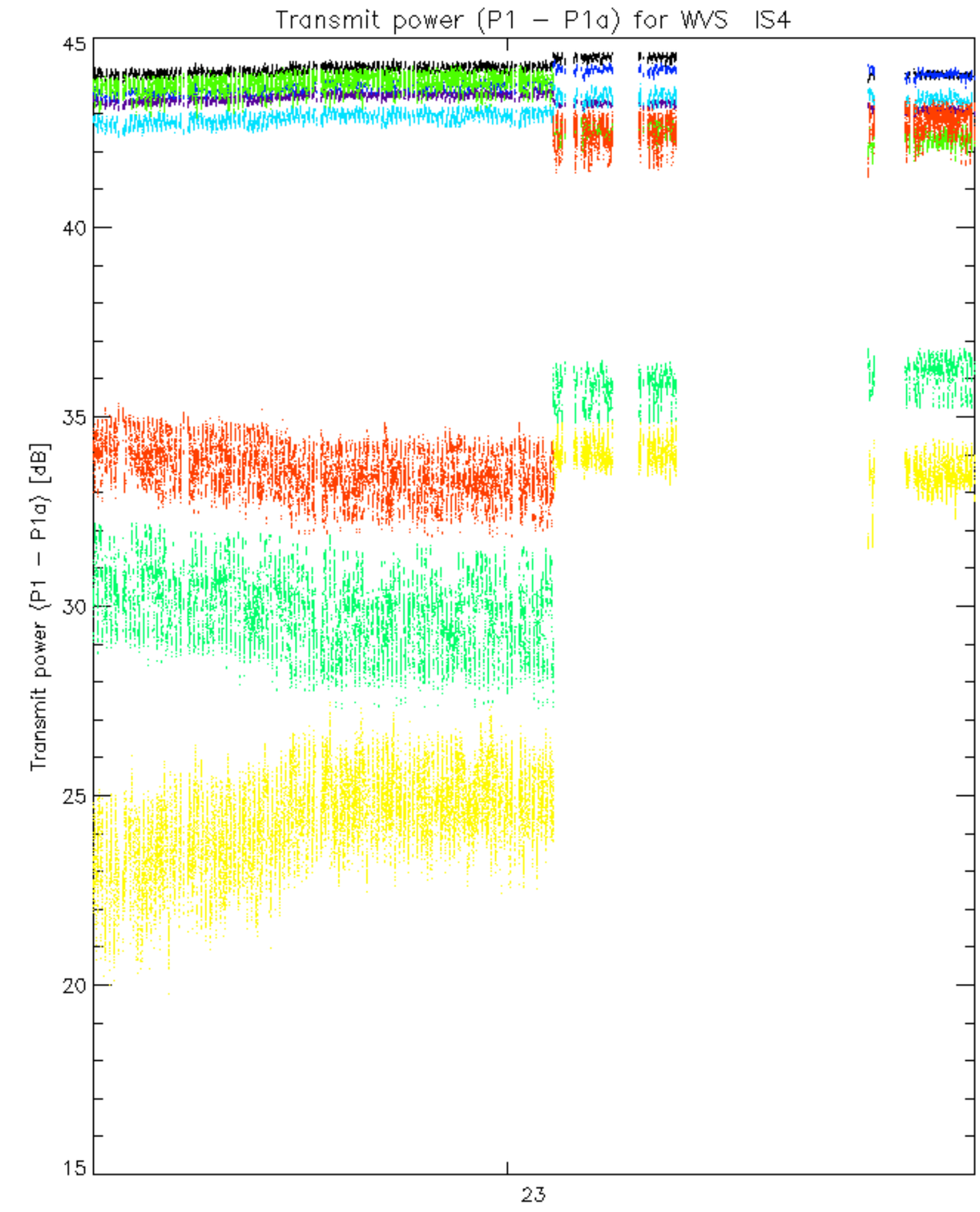
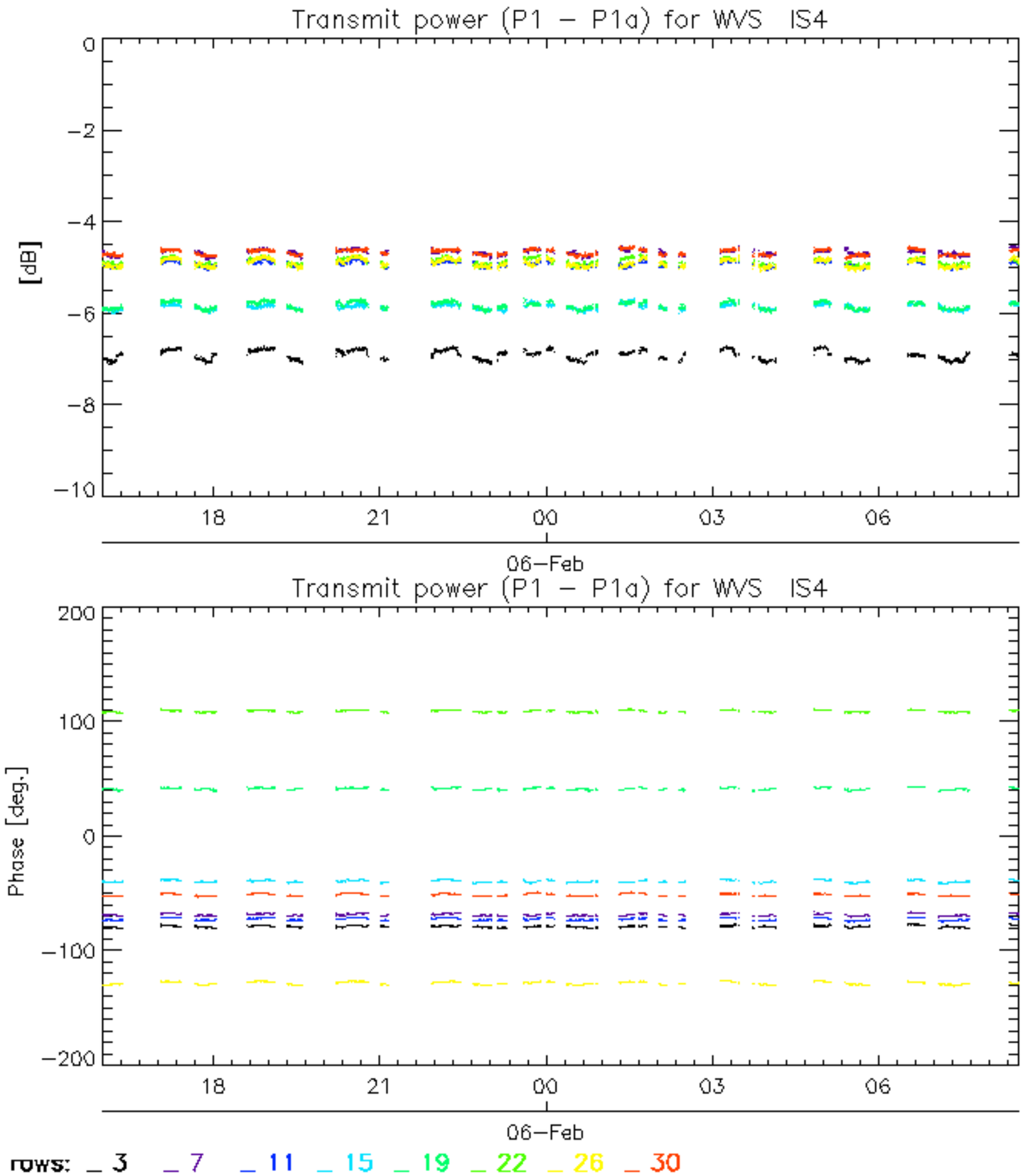

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
22
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
09
06–Feb
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
06–Feb
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
Transmit power (P1 – P1a) [dB]
45
40
35
30
25
20
15
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
06–Feb
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
06–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.