PRELIMINARY REPORT OF 070128

last update on Sun Jan 28 16:30:14 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

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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 2007-01-27 00:00:00 to 2007-01-28 16:30:14

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	35	68	15	2	26
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	35	68	15	2	26
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	35	68	15	2	26
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	35	68	15	2	26

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	47	65	21	13	57
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	47	65	21	13	57
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	65	21	13	57
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	47	65	21	13	57

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	20070128 095339
H	20070127 084440

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	-11.709340	0.043596	0.117092
7	P1a	-10.003947	0.041084	0.453124
11	P1a	-10.504521	0.053959	0.140323
15	P1a	-10.769814	0.115511	-0.711465
19	P1a	-15.796820	0.062078	-0.195693
22	P1a	-21.530624	1.905635	1.438423
26	P1a	-15.572146	0.361778	0.299628
30	P1a	-18.142921	0.283492	-0.257547

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.066401	0.040879	-1.455726
7	P1	-2.542885	0.005362	0.065356
11	P1	-2.953530	0.011455	0.062620
15	P1	-3.746242	0.020441	-0.258679
19	P1	-3.615703	0.014784	-0.200645
22	P1	-5.093610	0.019211	0.016482
26	P1	-5.987600	0.021238	-0.236667
30	P1	-5.324398	0.042339	0.265391

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.207220	0.093190	0.017076
7	P2	-22.105225	0.134139	0.017374
11	P2	-10.991673	0.080161	-0.086460
15	P2	-5.151590	0.101999	0.152503
19	P2	-7.279100	0.086270	-0.036850
22	P2	-8.342151	0.080636	-0.066644

26	P2	-24.337484	0.074246	-0.184880
30	P2	-21.701712	0.076777	0.168609

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.226042	0.007438	-0.058087
7	P3	-8.226042	0.007438	-0.058087
11	P3	-8.226042	0.007438	-0.058087
15	P3	-8.226042	0.007438	-0.058087
19	P3	-8.226042	0.007438	-0.058087
22	P3	-8.226042	0.007438	-0.058087
26	P3	-8.226042	0.007438	-0.058087
30	P3	-8.226042	0.007438	-0.058087

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	-11.729033	0.063722	-0.066623
7	P1a	-10.025428	0.072287	0.034920
11	P1a	-10.386781	0.074591	-0.150602
15	P1a	-10.756323	0.149105	-0.127974
19	P1a	-15.752921	0.085261	-0.029877
22	P1a	-21.405508	1.491372	0.784814
26	P1a	-15.851094	0.323705	0.656692
30	P1a	-18.027824	0.383850	-0.563960

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.924577	0.015416	-0.044859
7	P1	-2.459373	0.049589	0.081844

11	P1	-2.828341	0.014670	-0.025554
15	P1	-3.730100	0.031549	-0.118427
19	P1	-3.552878	0.017482	-0.017903
22	P1	-5.005016	0.021720	-0.042081
26	P1	-6.038254	0.022718	0.025665
30	P1	-5.339152	0.033903	0.056982

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.379717	0.073285	0.221024
7	P2	-22.149536	0.145965	0.210871
11	P2	-10.794242	0.073202	0.194684
15	P2	-4.926389	0.156368	0.162645
19	P2	-6.914634	0.139031	0.123485
22	P2	-8.210592	0.086031	0.084163
26	P2	-24.326252	0.112095	0.121537
30	P2	-21.867767	0.108335	0.157514

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.079497	0.002748	0.047591
7	P3	-8.079235	0.002744	0.047027
11	P3	-8.079346	0.002749	0.047428
15	P3	-8.079341	0.002747	0.047259
19	P3	-8.079288	0.002751	0.047784
22	P3	-8.079434	0.002747	0.046631
26	P3	-8.079483	0.002748	0.047679
30	P3	-8.079358	0.002746	0.047122

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	0.000581600
	stdev	1.76910e-07
MEAN Q	mean	0.000489298
	stdev	2.06899e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.127866
	stdev	0.00201921
STDEV Q	mean	0.128151
	stdev	0.00205236

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007012[678]
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_1PNPDE20070126_145411_000000852055_00054_25659_4744.N1	0	34

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

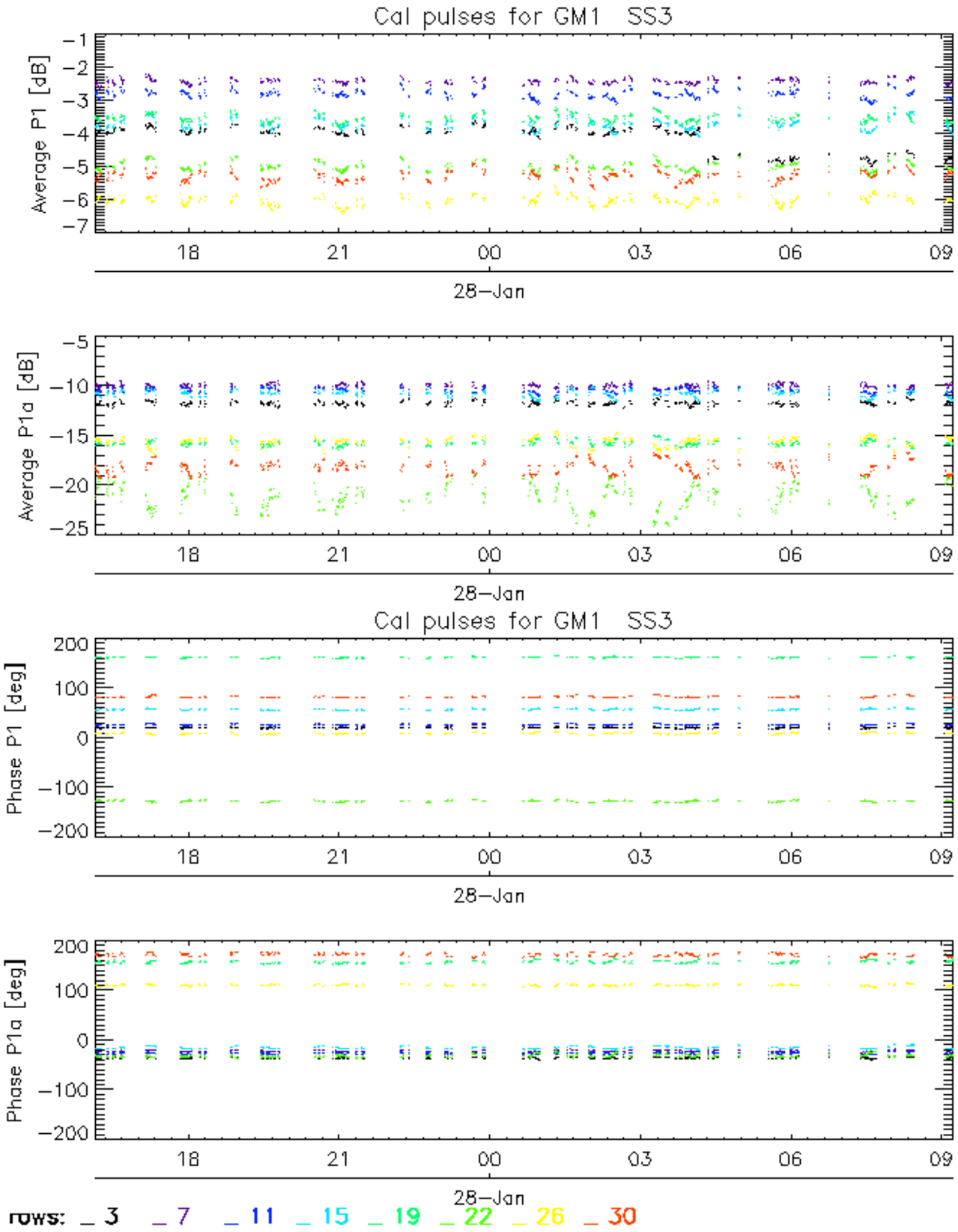
Evolution of Absolute Doppler

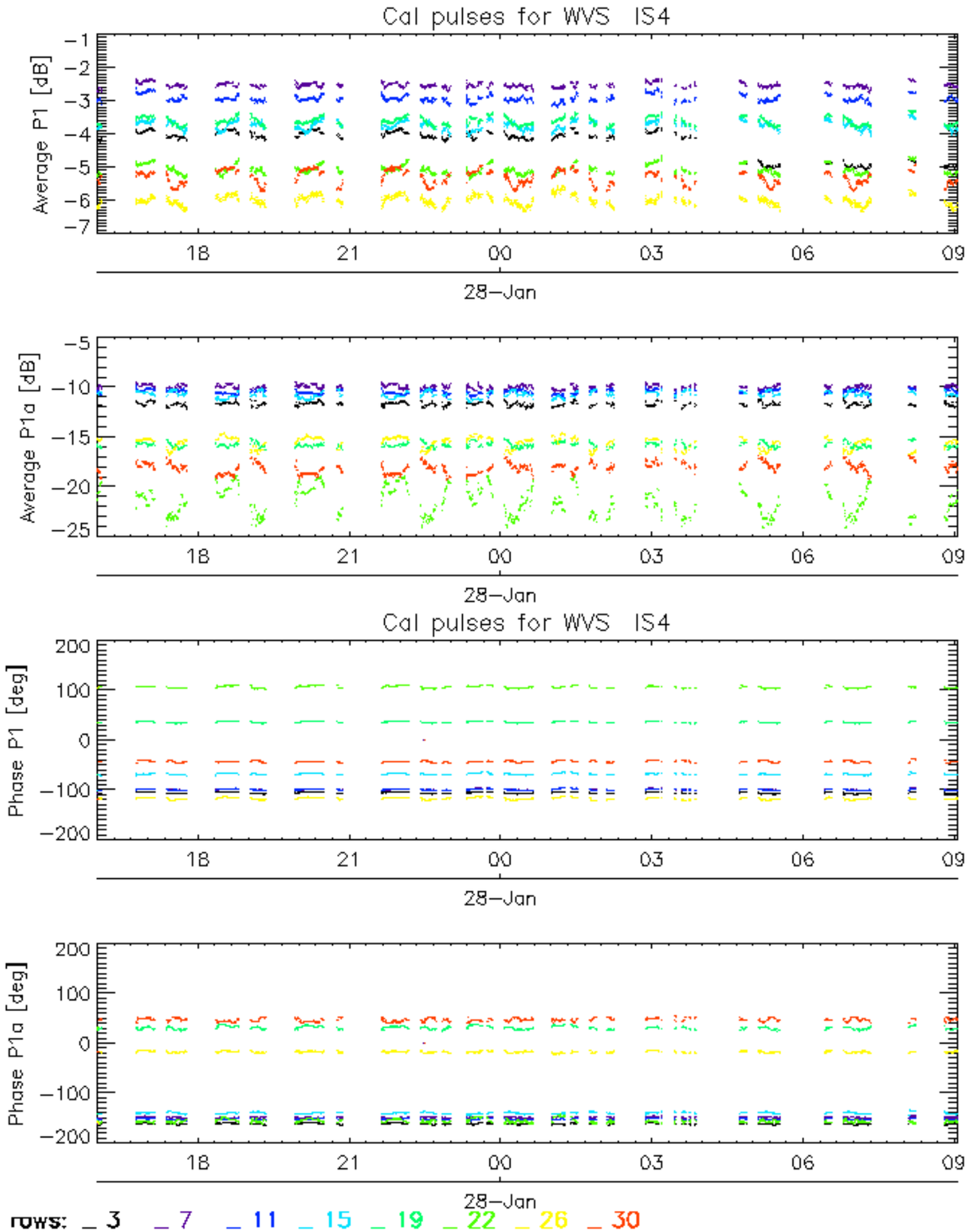
Acsending

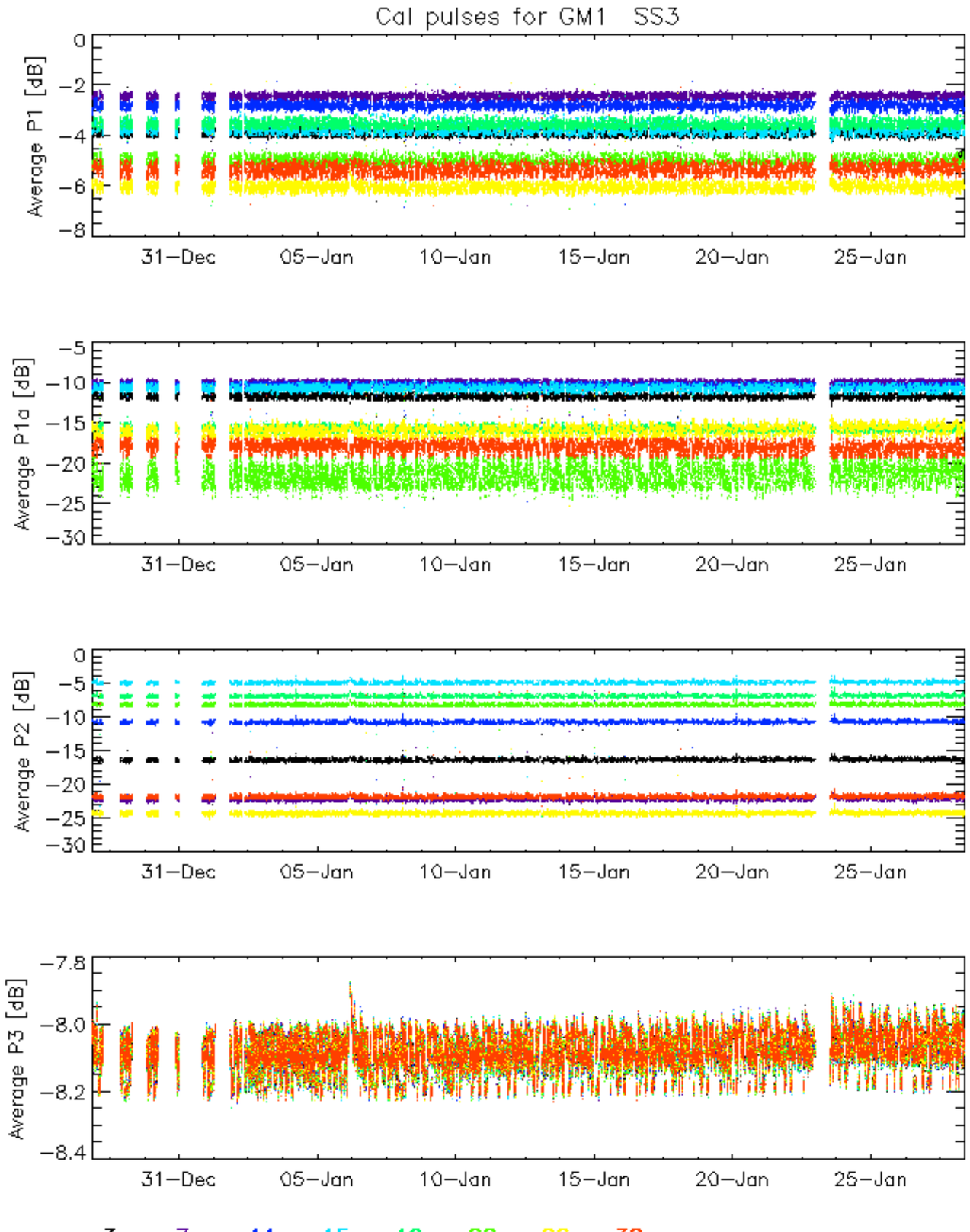
Descending

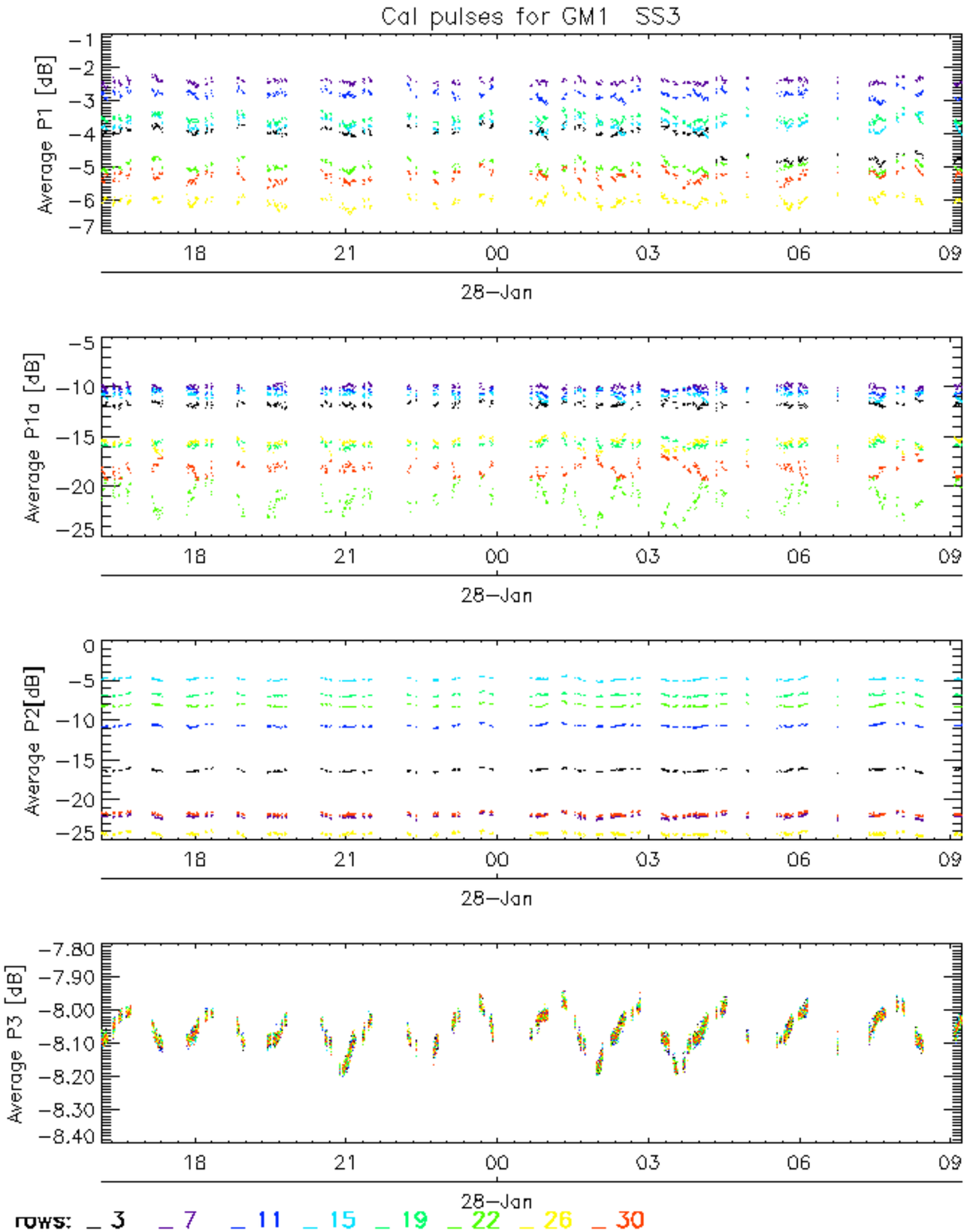
7.6 - Doppler evolution versus ANX for GM1

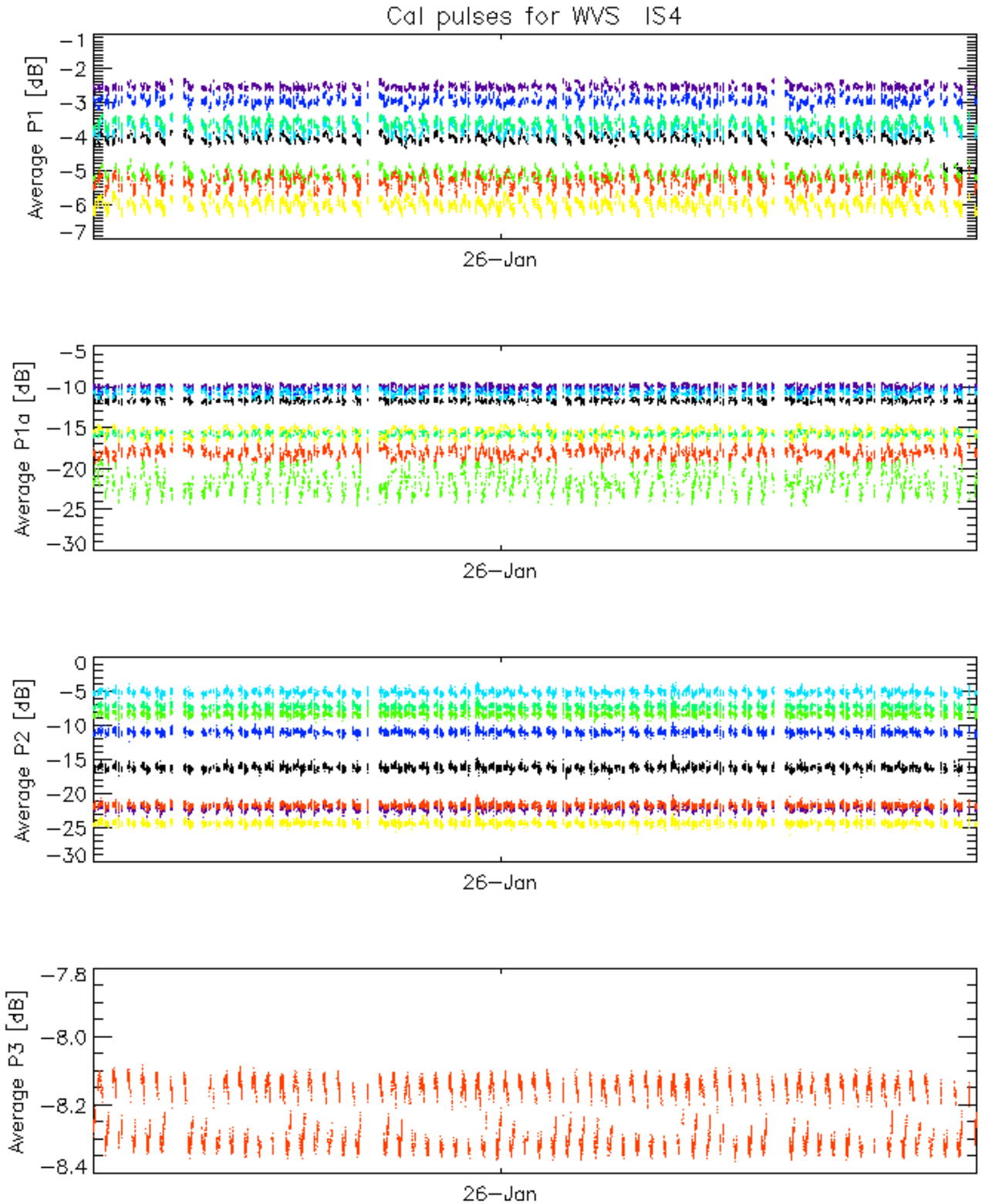
Evolution Doppler error versus ANX

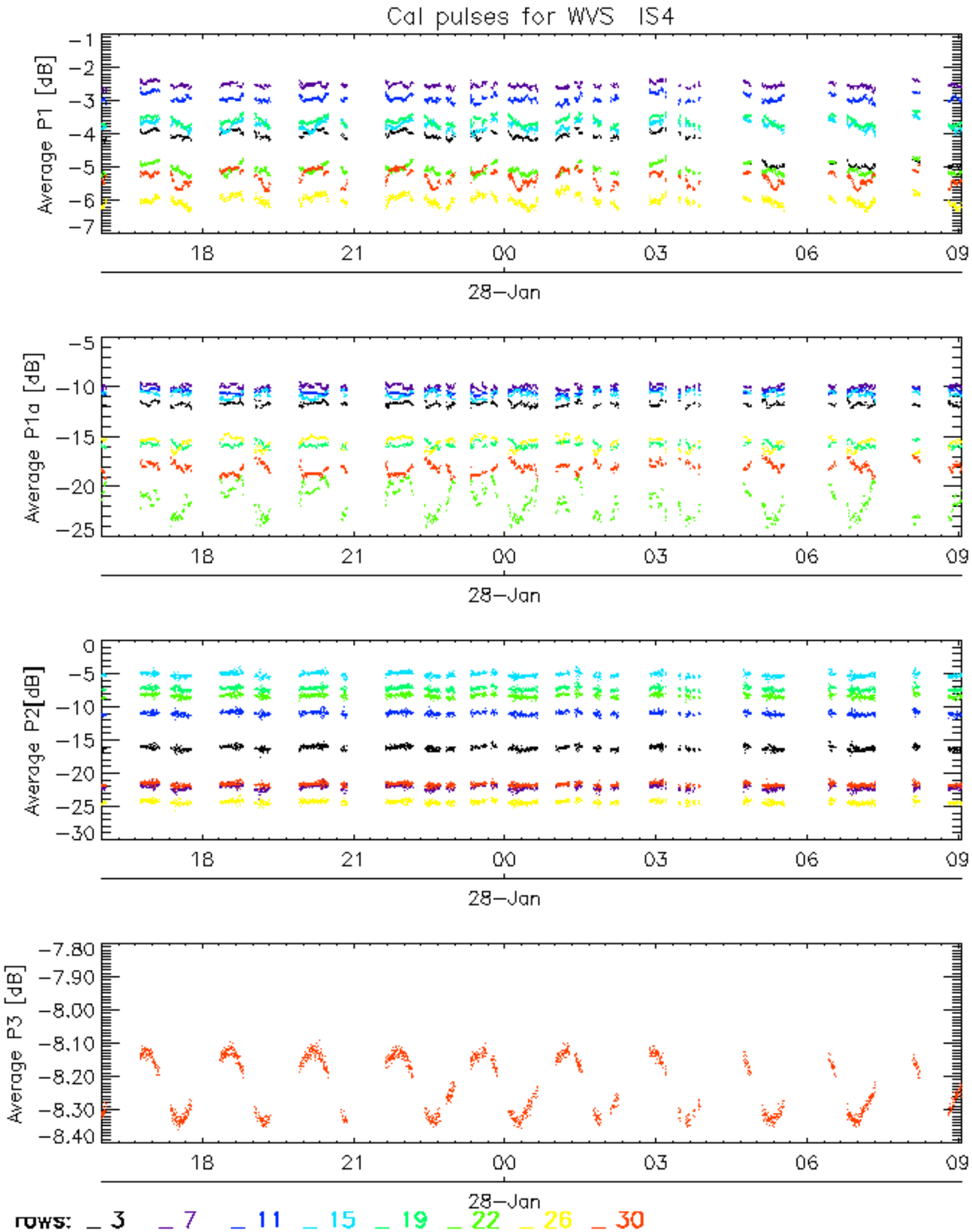


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
28−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
28−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
28−Jan
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
28−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
28−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
28−Jan
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
28−Jan
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
28−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

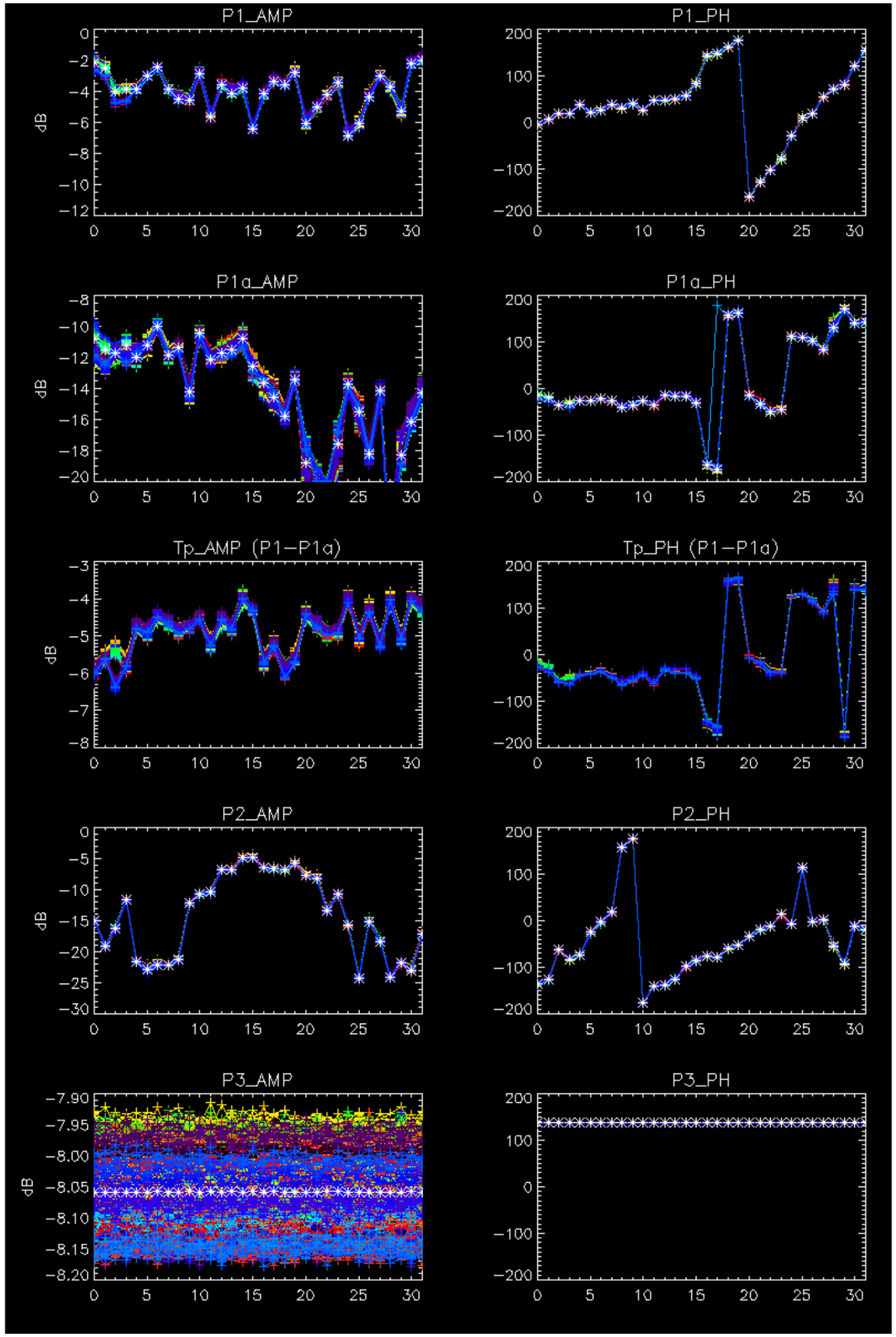

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
31−Dec
05−Jan
10−Jan
15−Jan
20−Jan
25−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

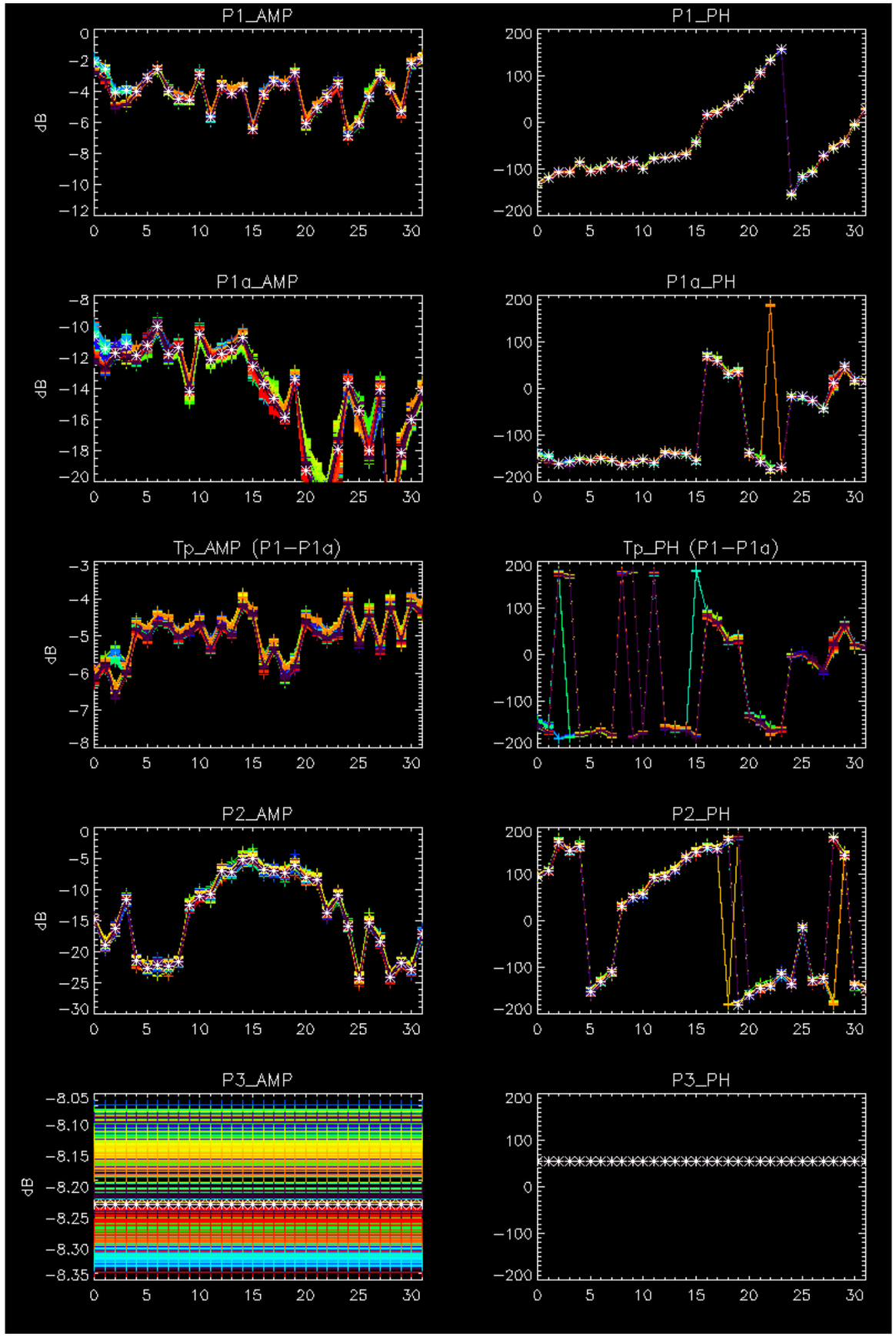

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
28−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
28−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
28−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
28−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
26−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
−30
26−Jan
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
26−Jan
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09
28−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
28−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
18
21
00
03
06
09
28−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
28−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

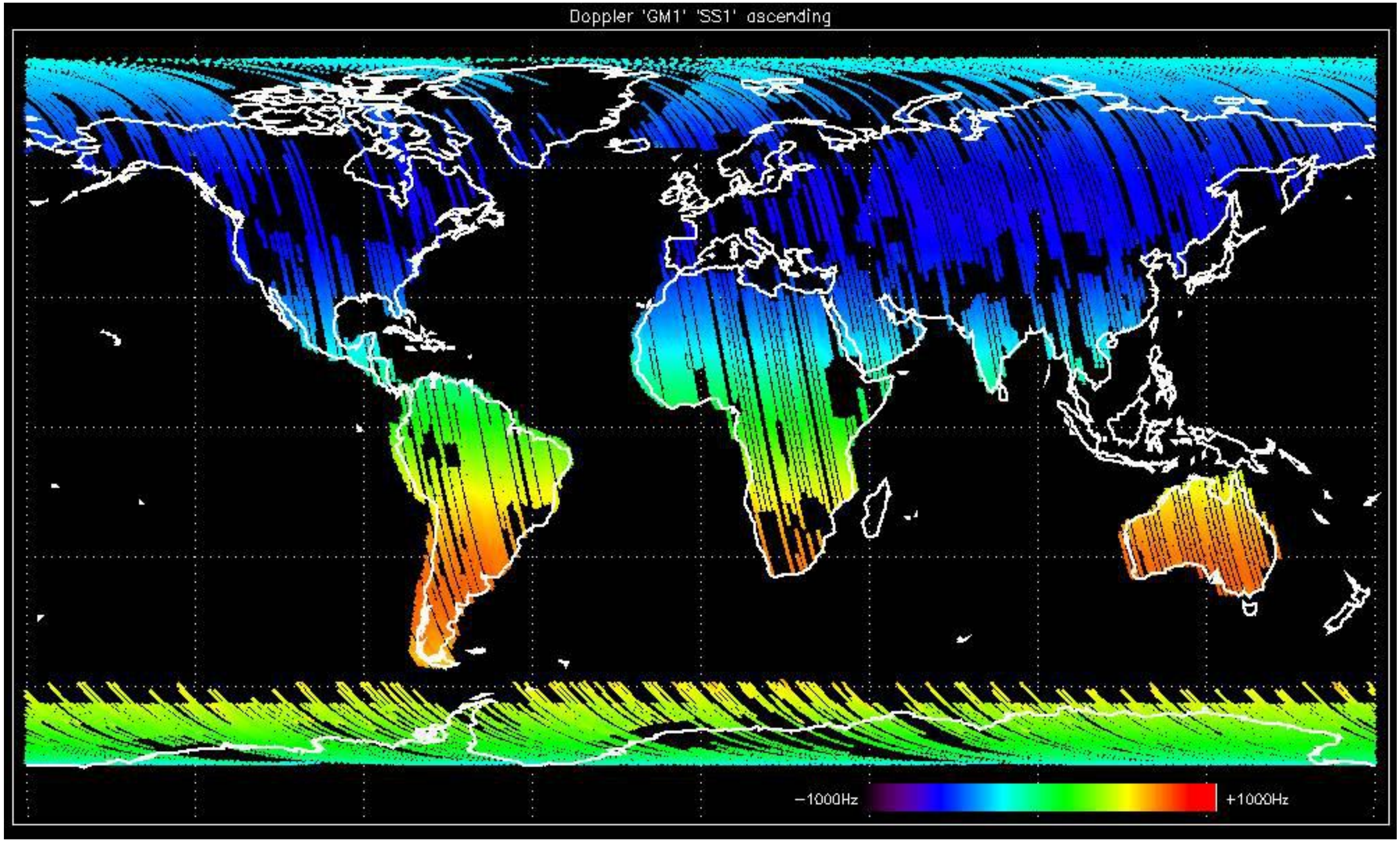
No anomalies observed.

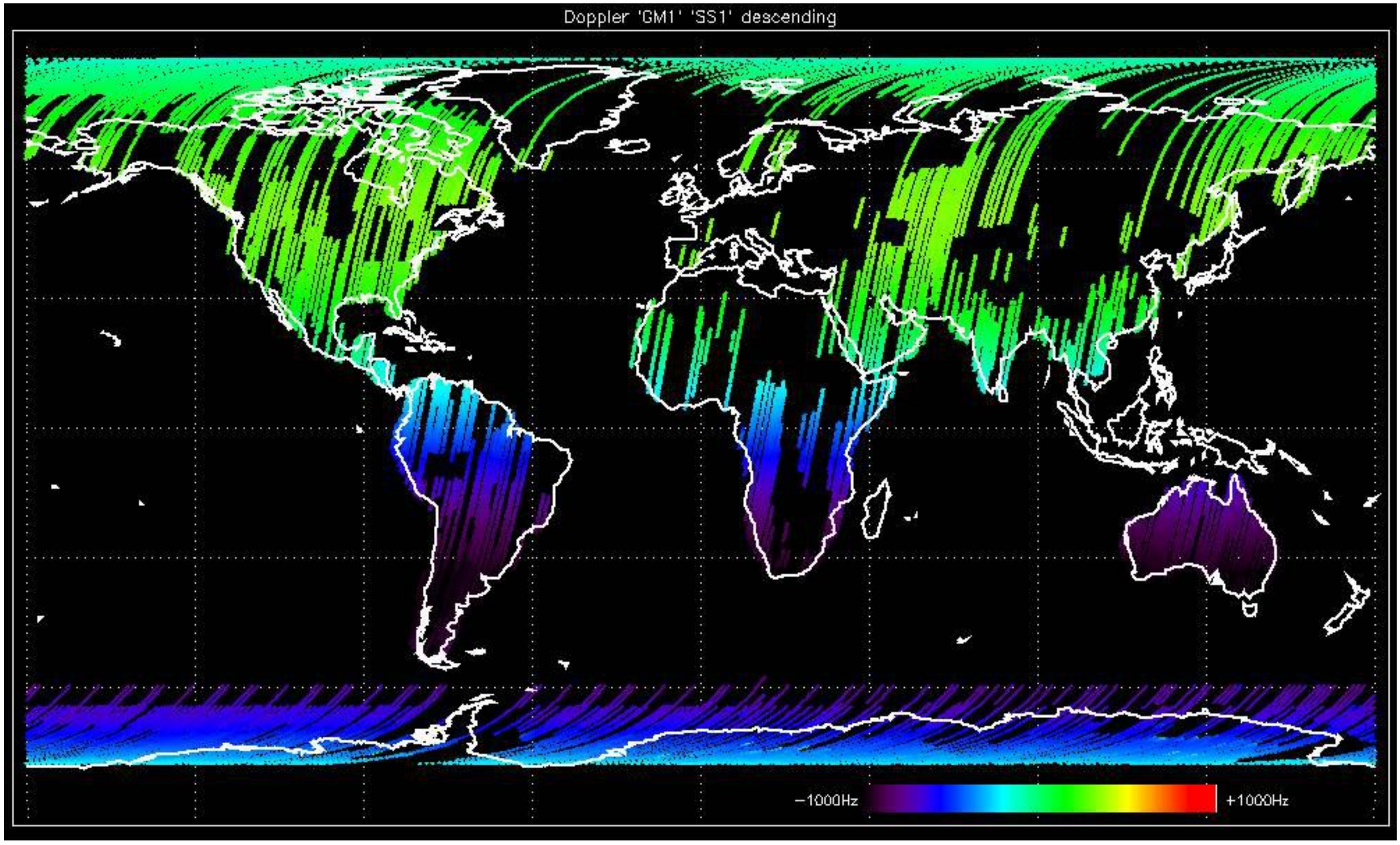

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

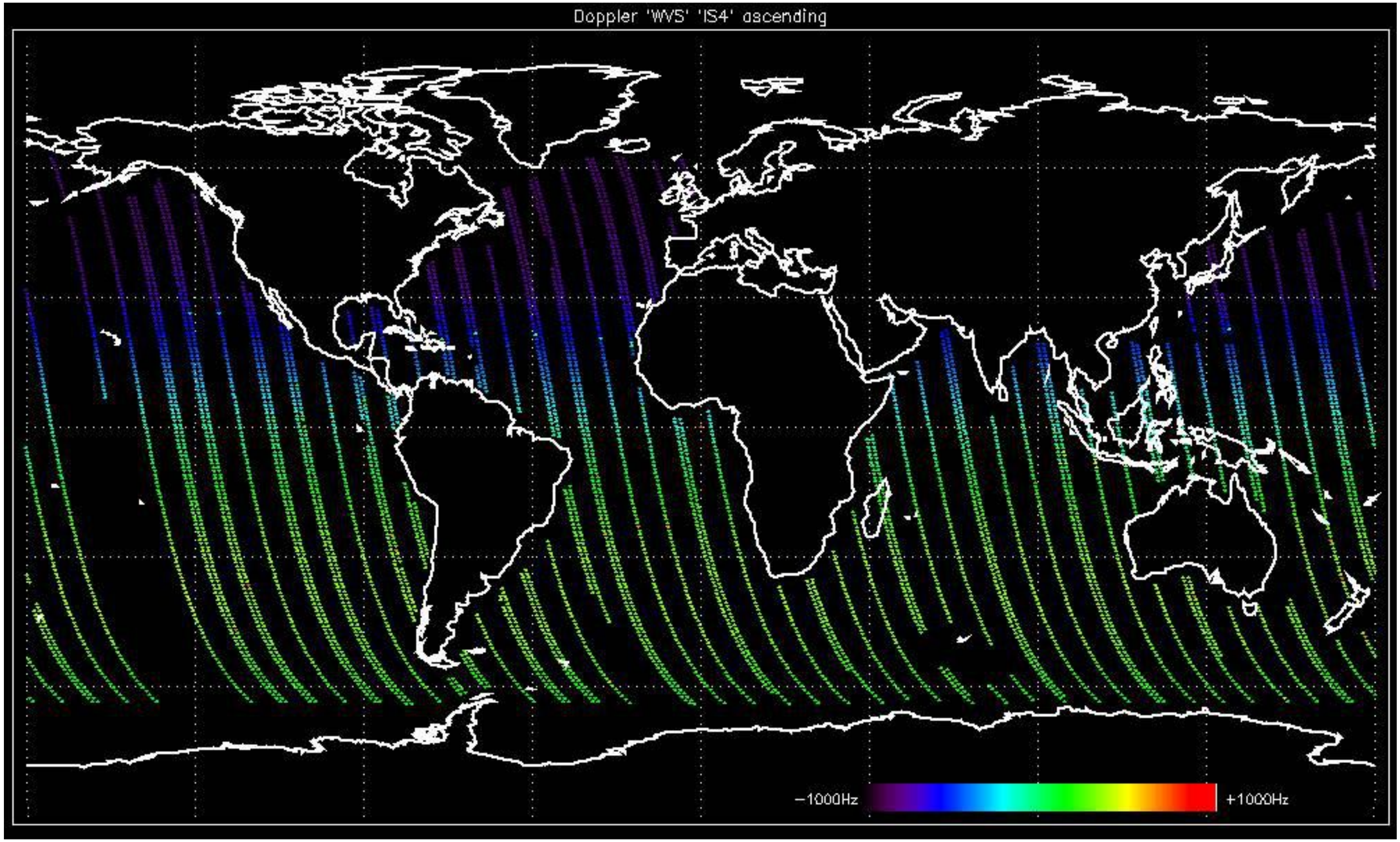

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

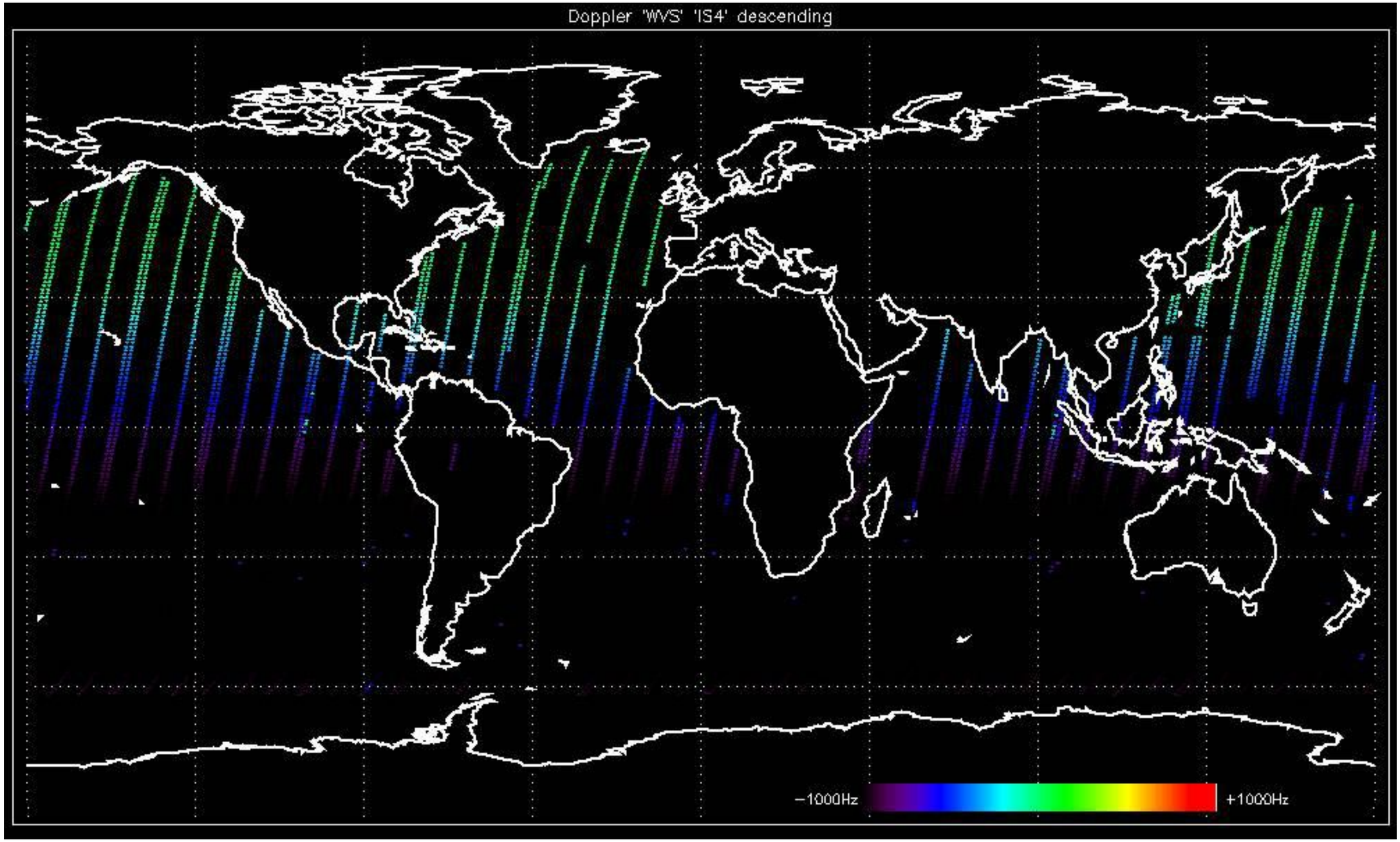
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

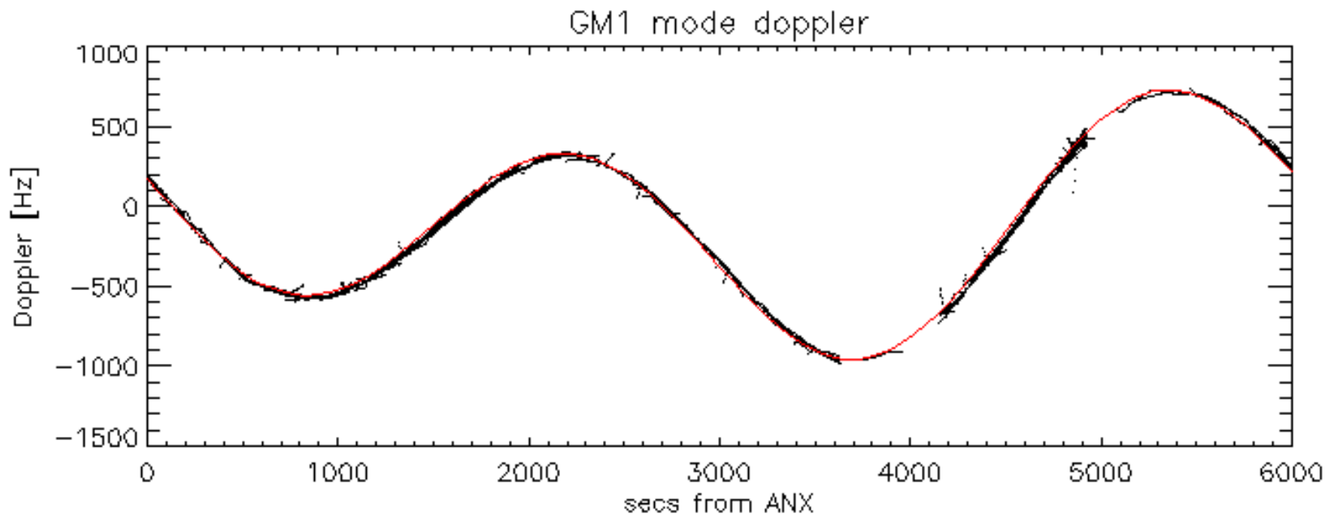
Preliminary report.The data is not yet controled

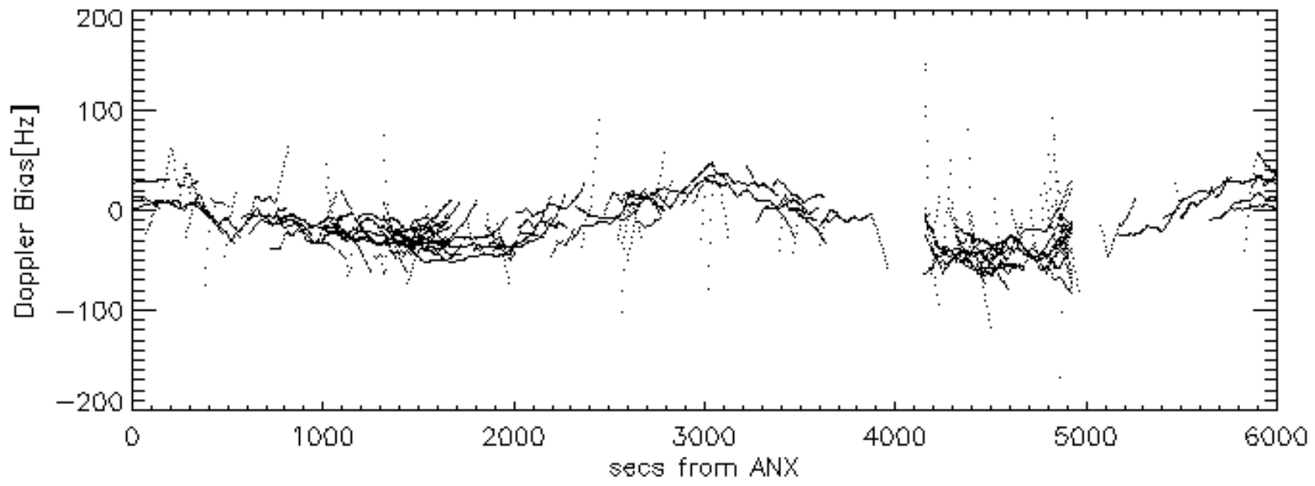

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

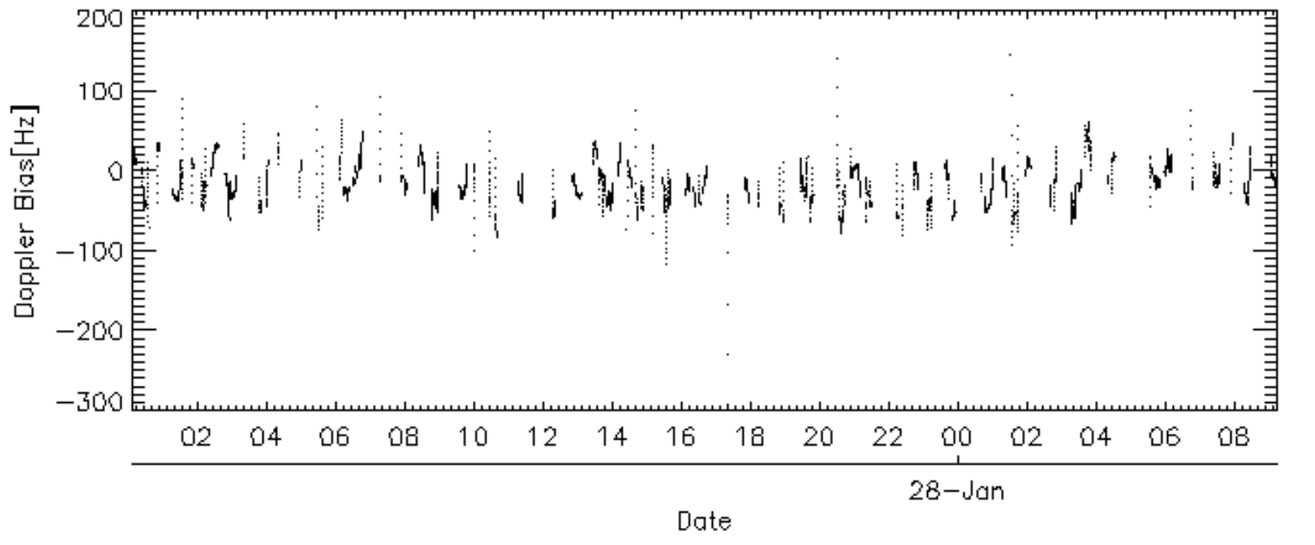

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

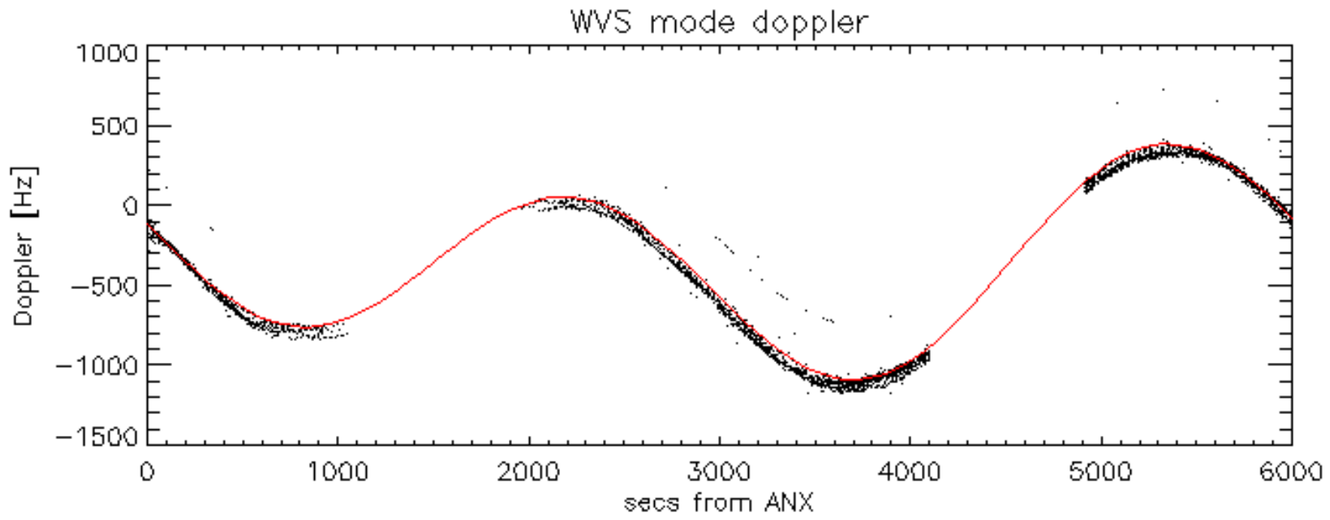

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

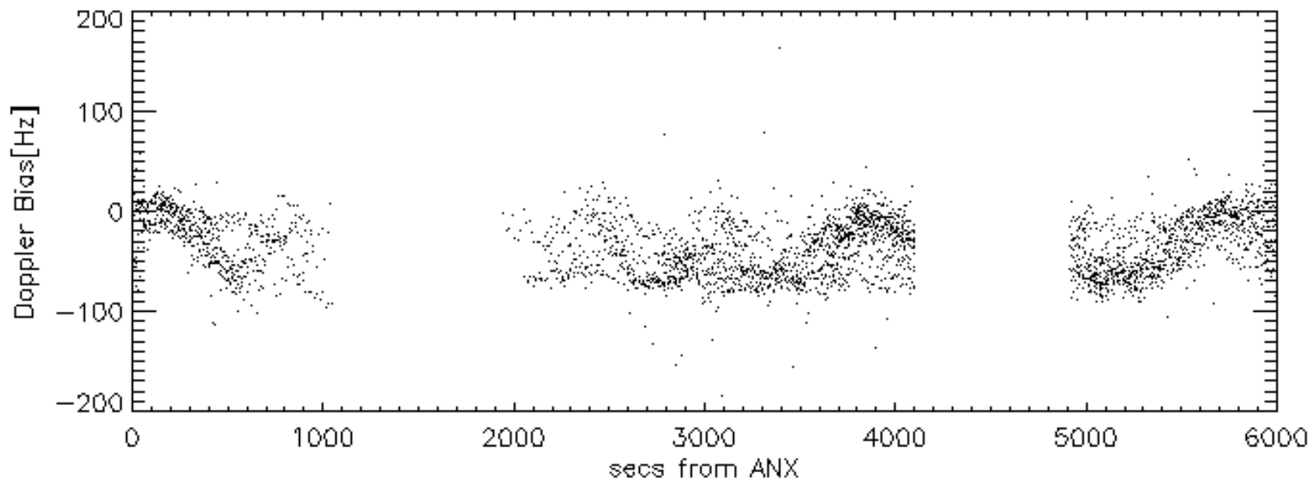

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

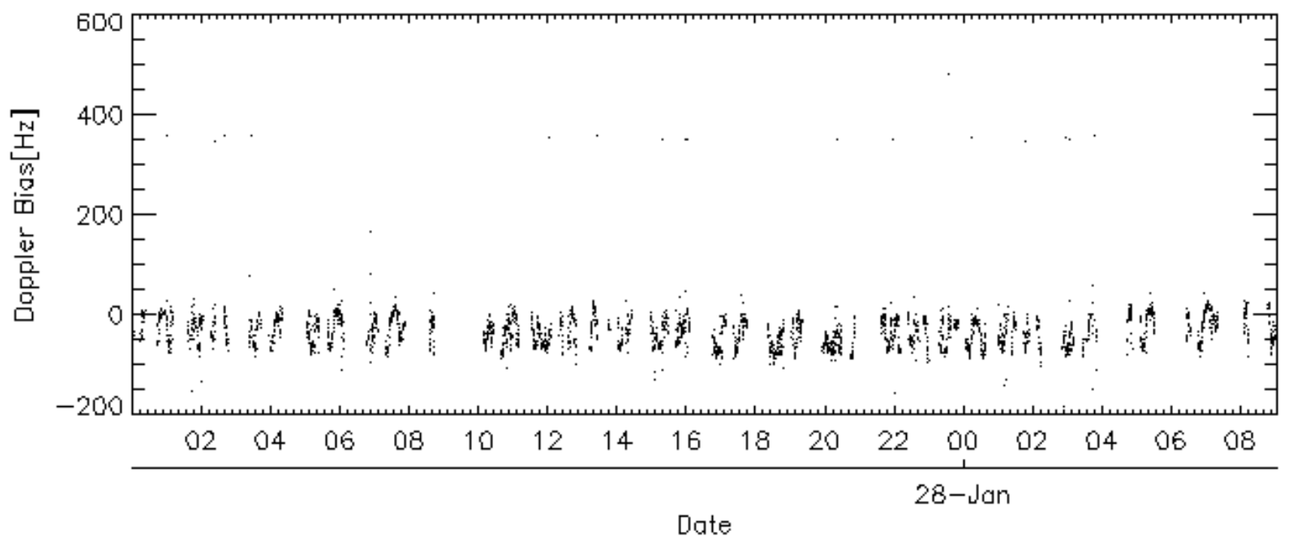

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

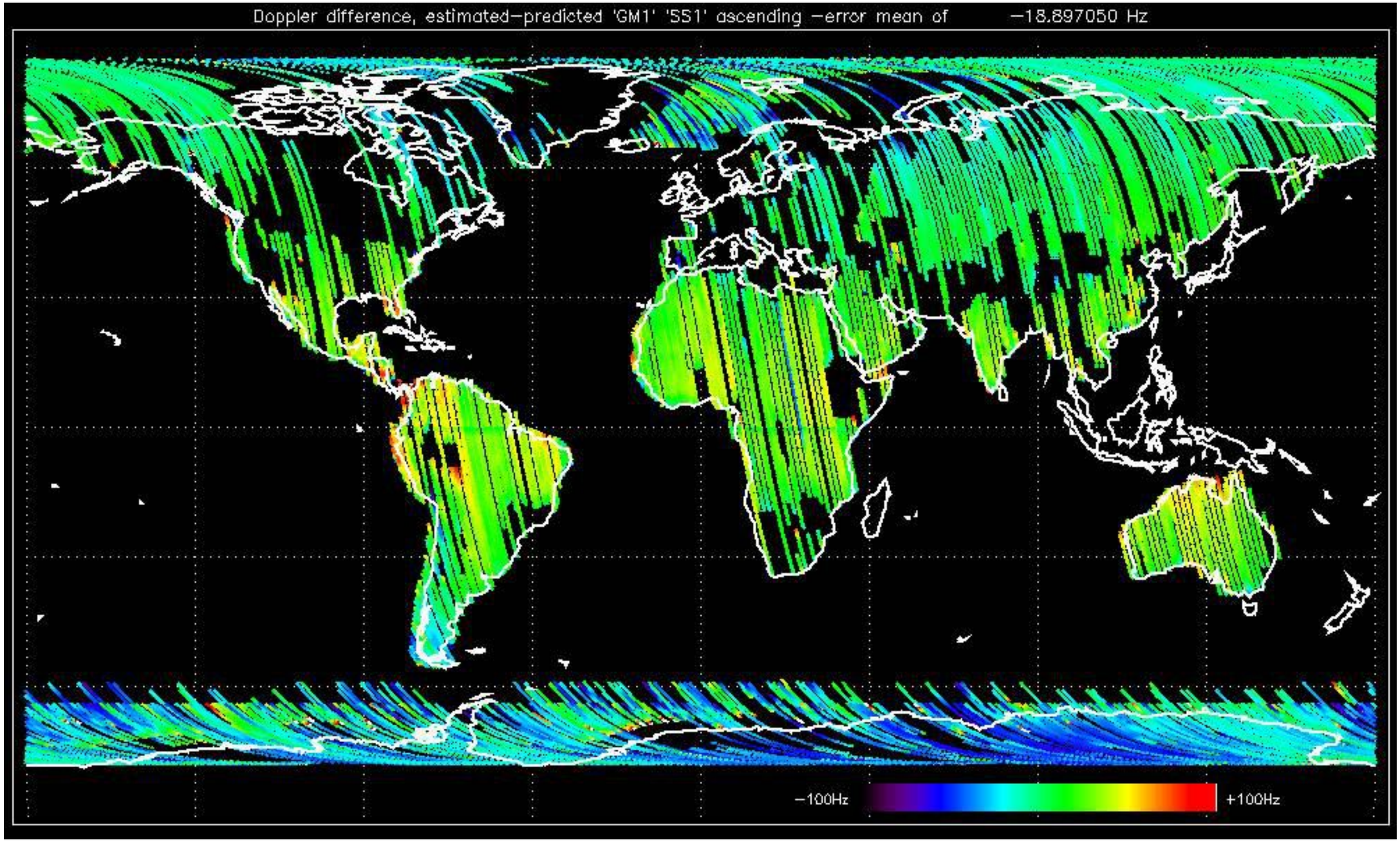

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

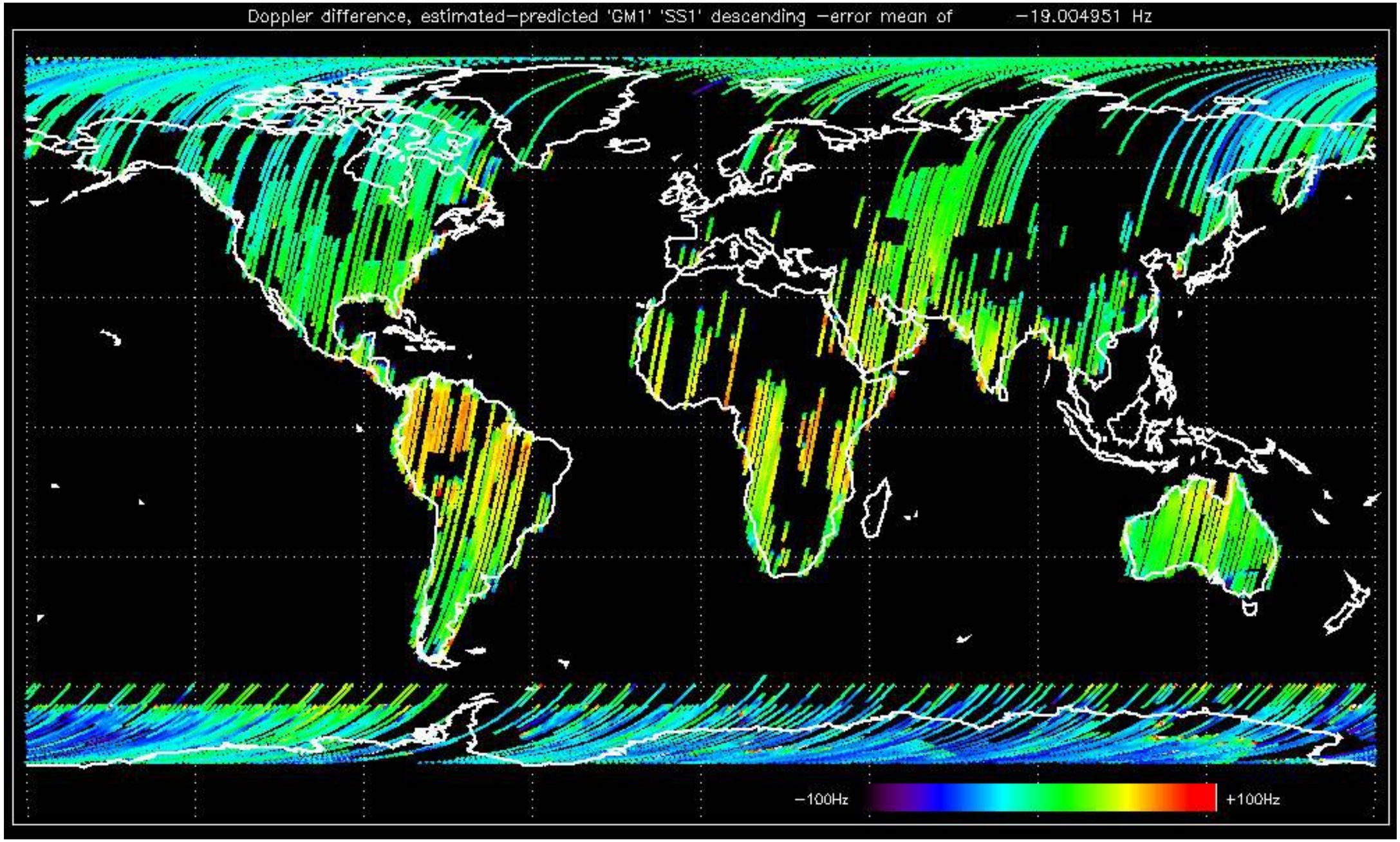

Doppler Bias[Hz]
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
28−Jan
Date

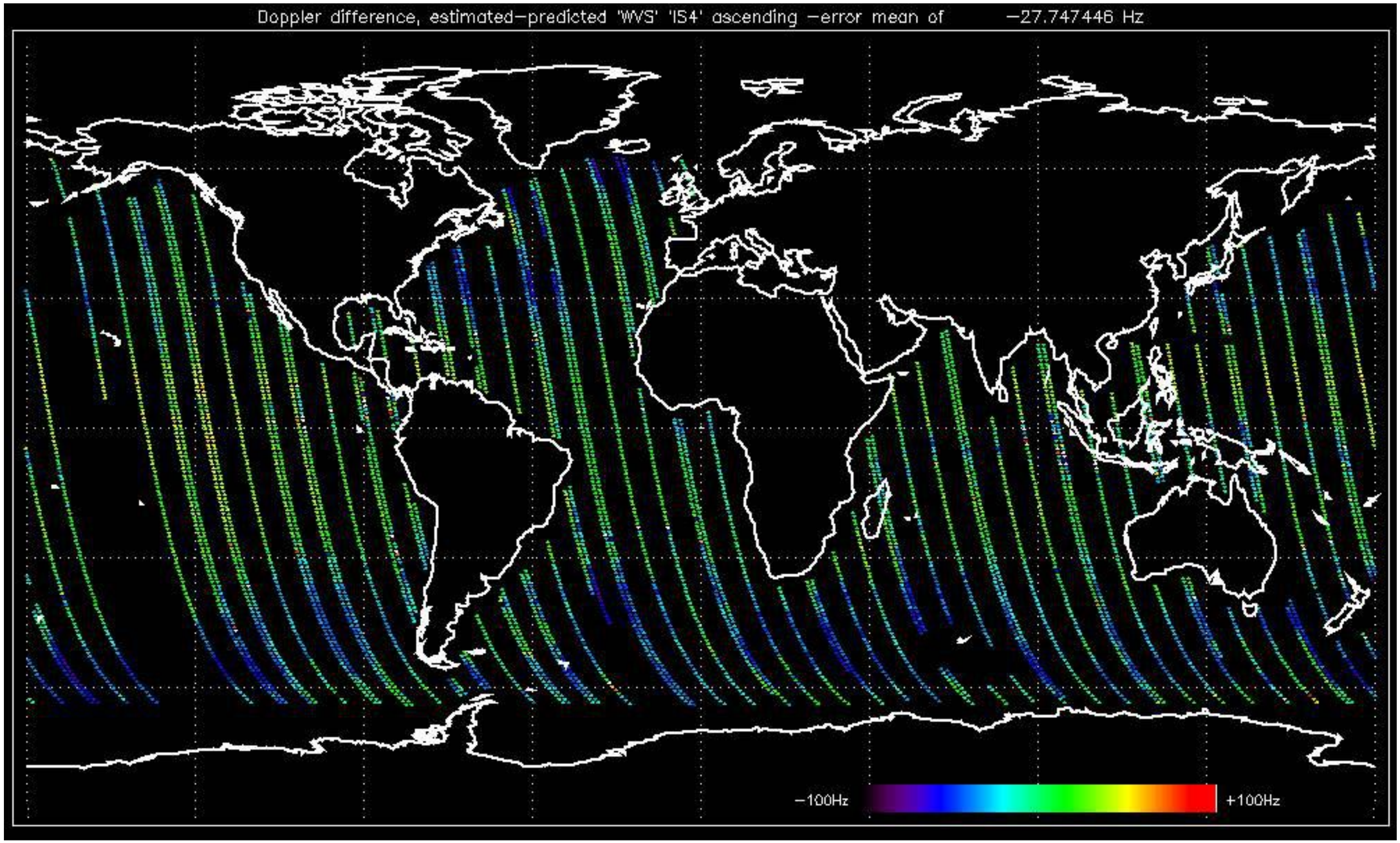

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

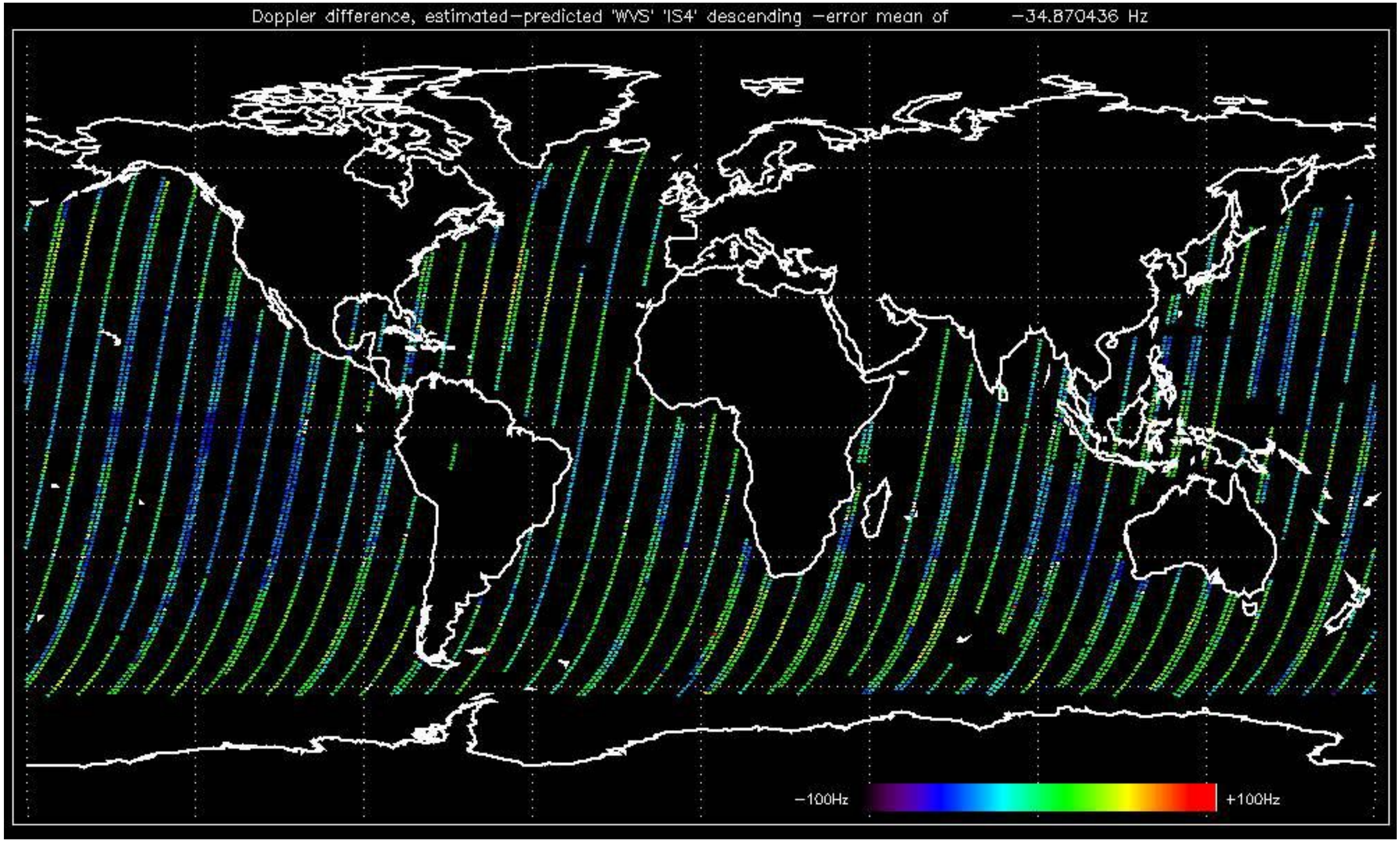

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
600
400
200
0
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
28−Jan
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.897050 Hz
−100Hz
+100Hz

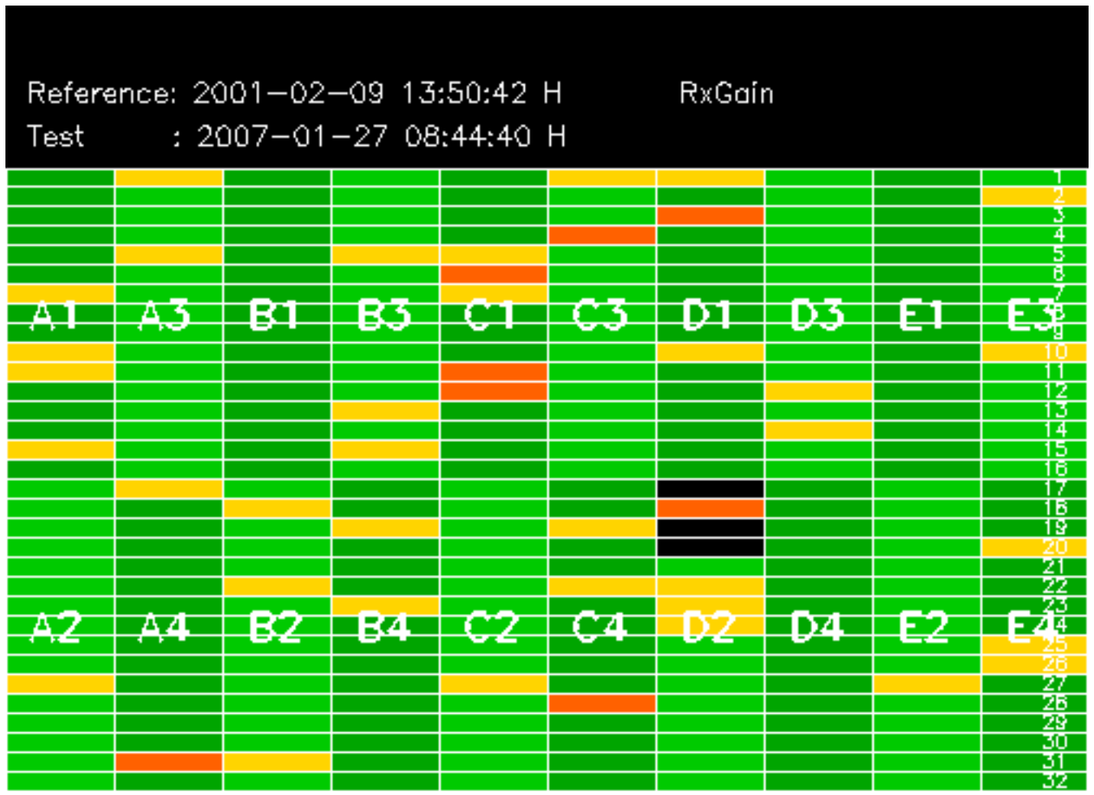

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -19.004951 Hz
-100Hz
+100Hz

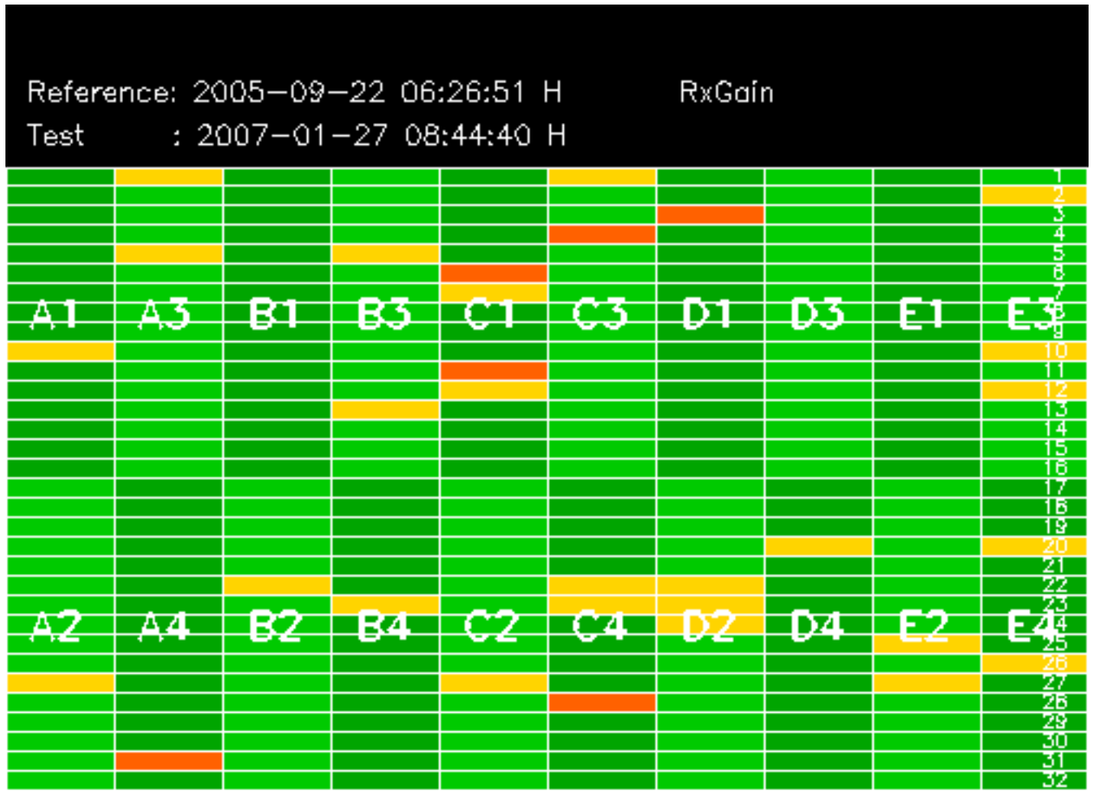

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −27.747446 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −34.870436 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-01-27 08:44:40 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 : 2007-01-27 08:44:40 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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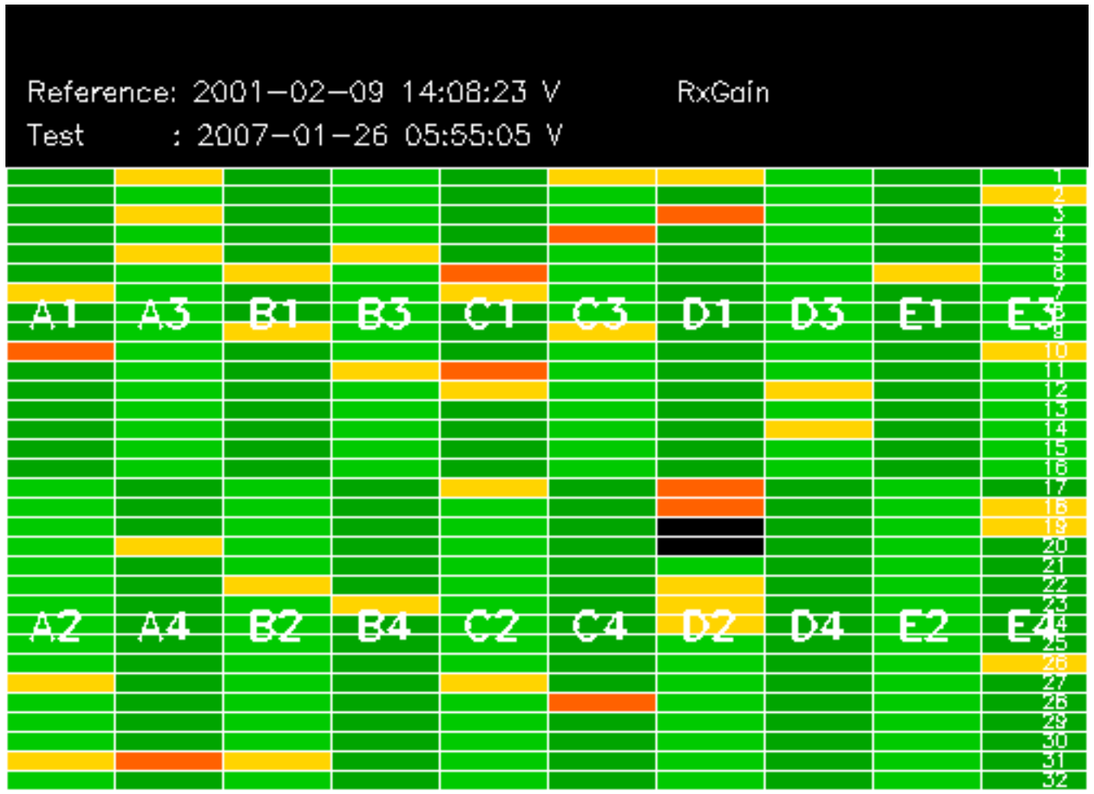
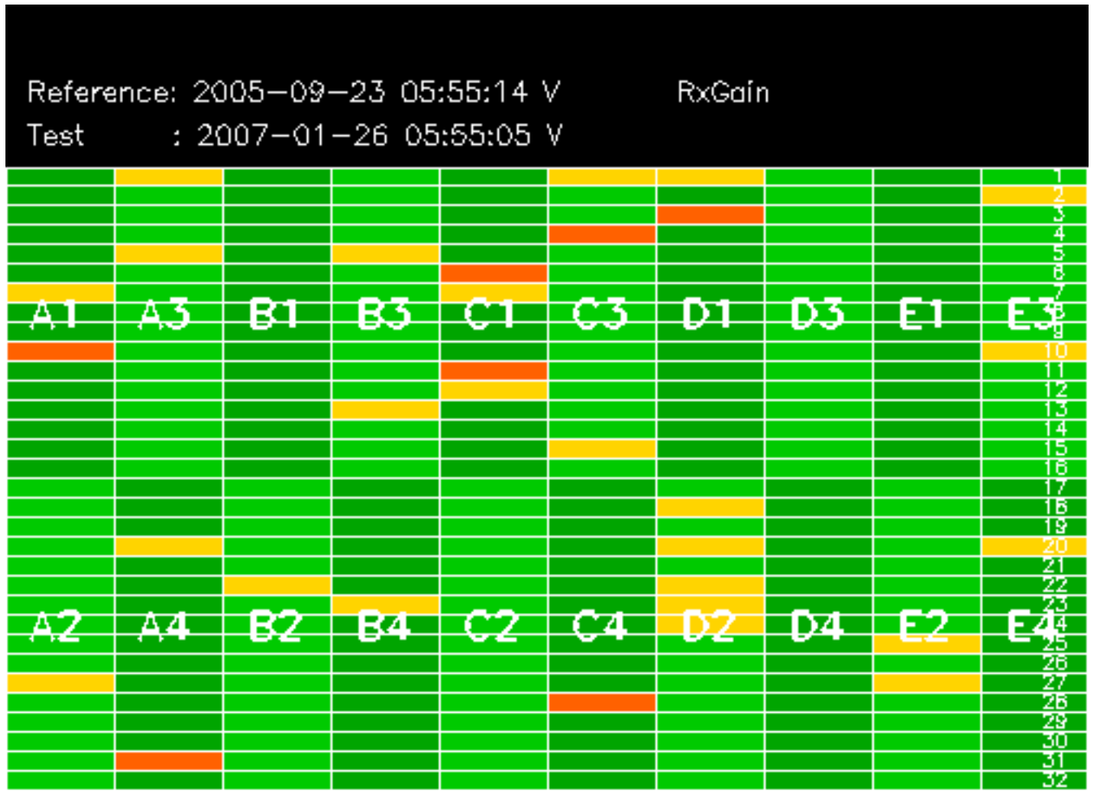

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-26 05:55:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-26 05:55:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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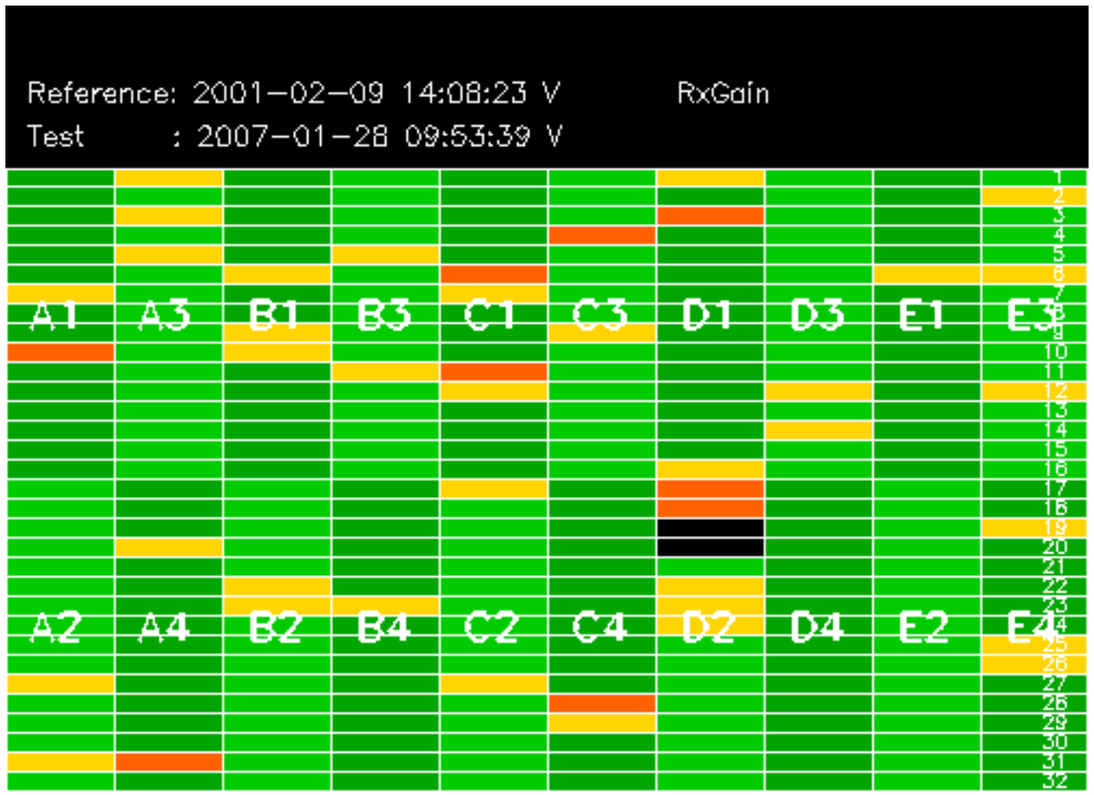
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-28 09:53:39 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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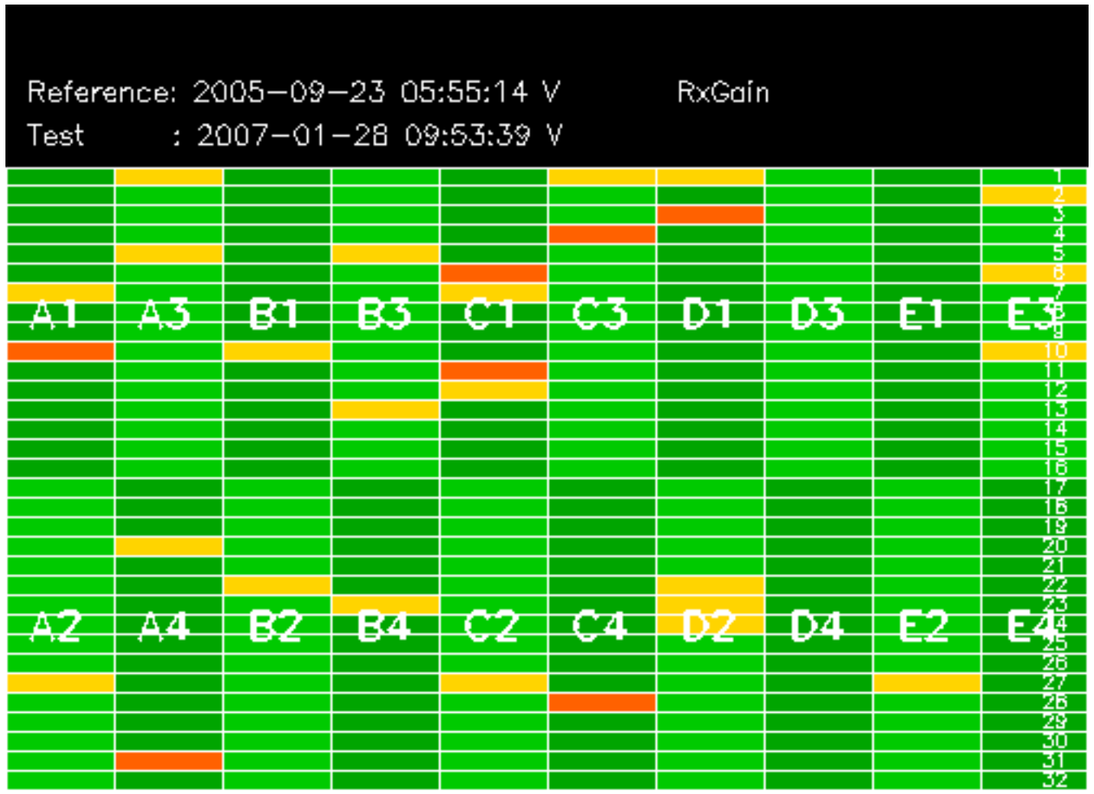
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-28 09:53:39 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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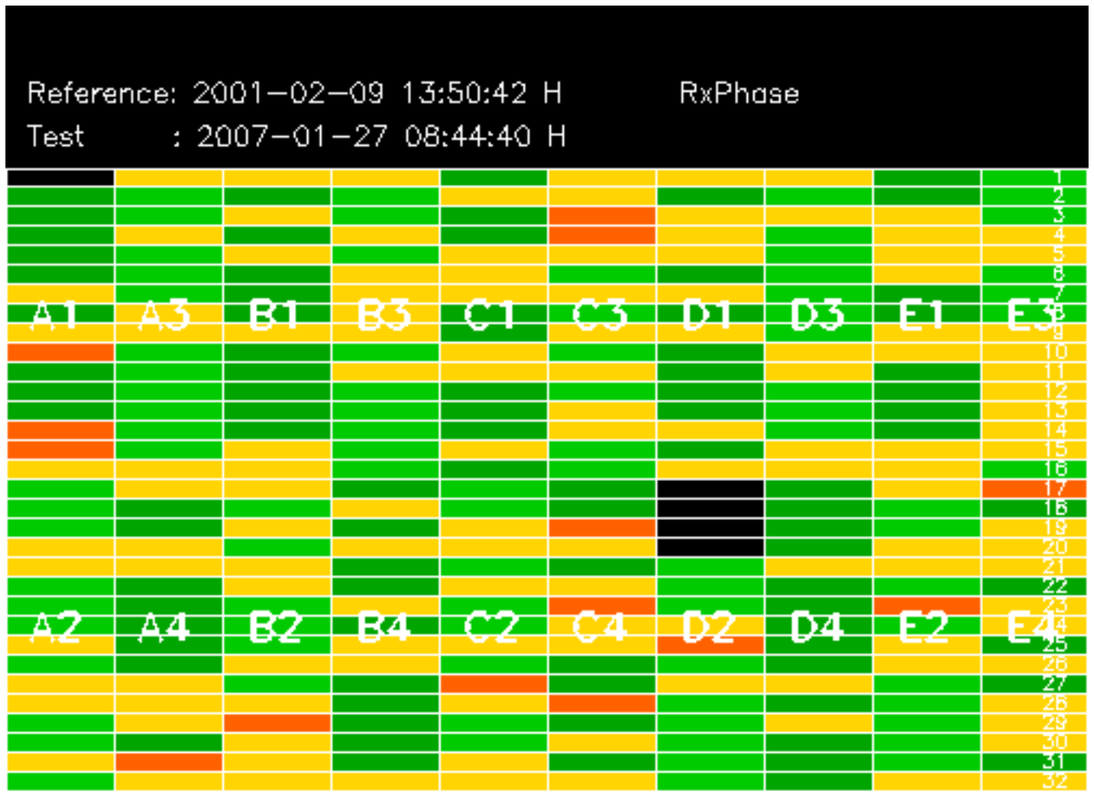
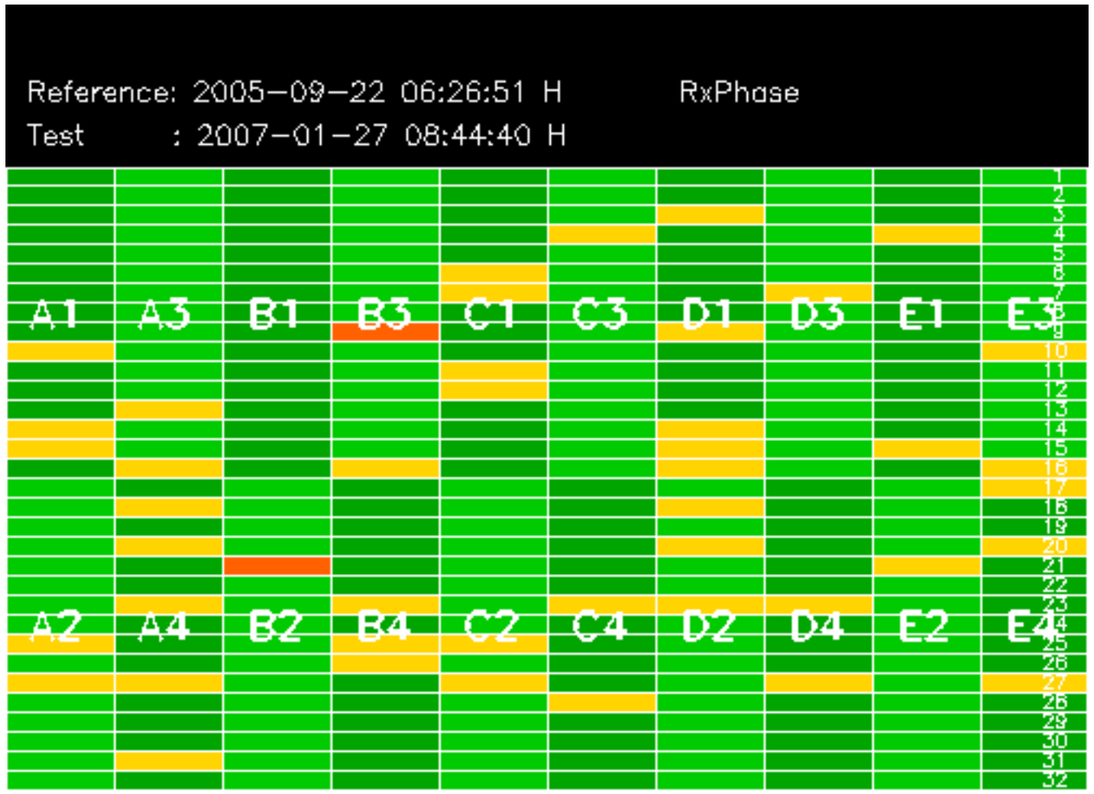

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-01-27 08:44:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-01-27 08:44:40 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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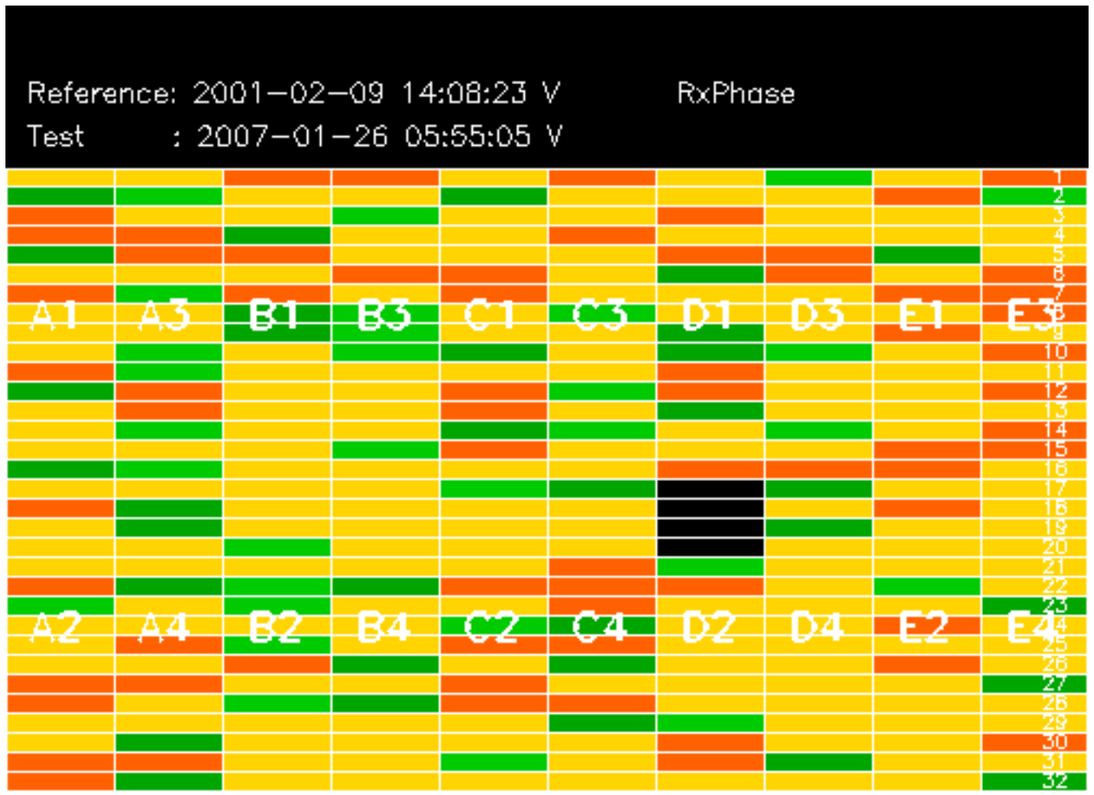
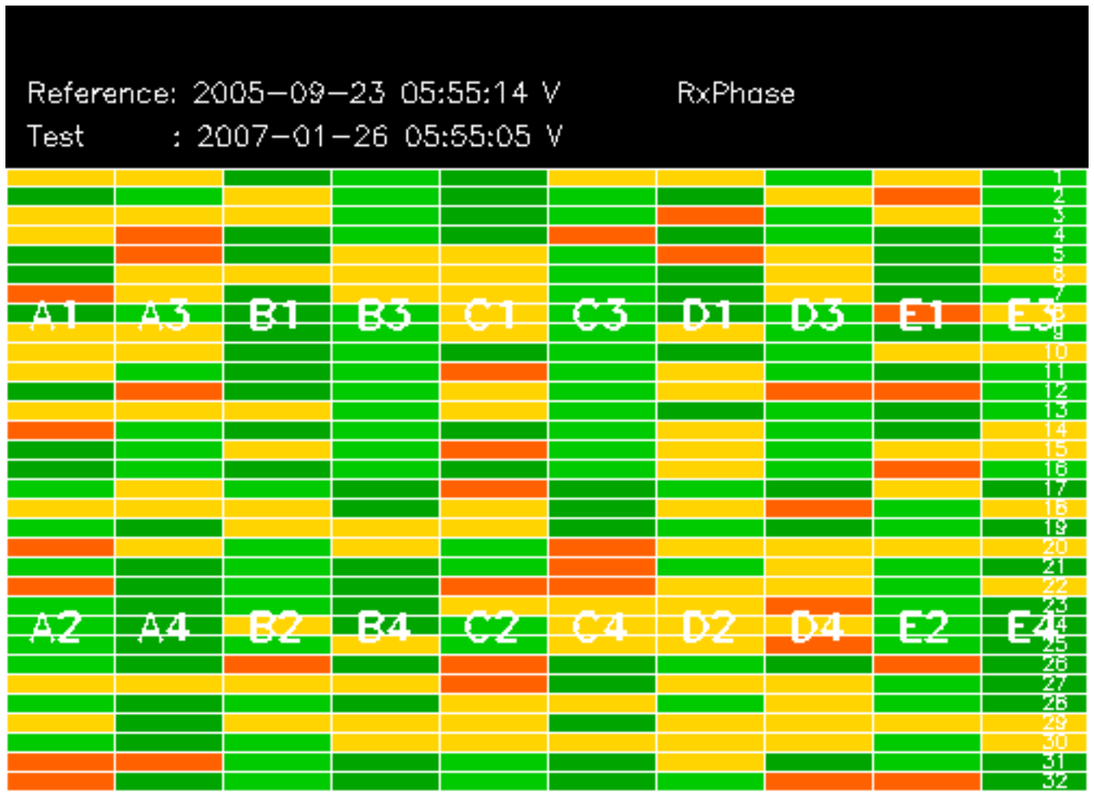

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-26 05:55:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-26 05:55:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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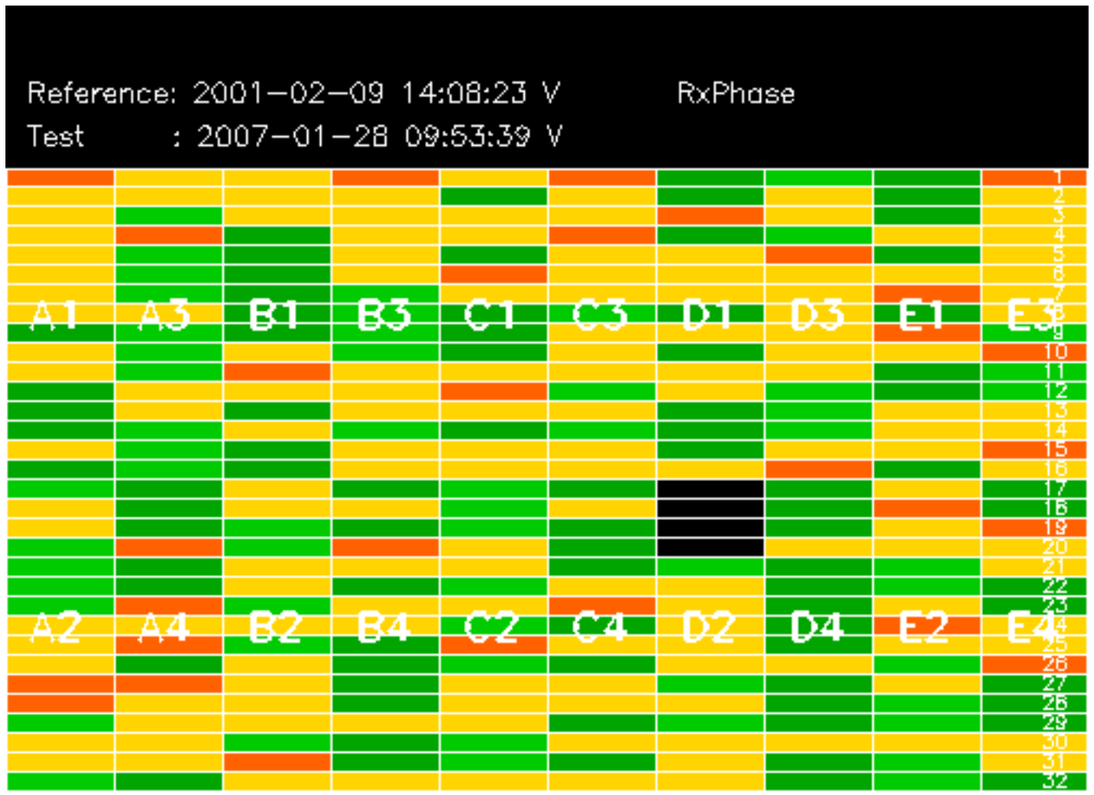
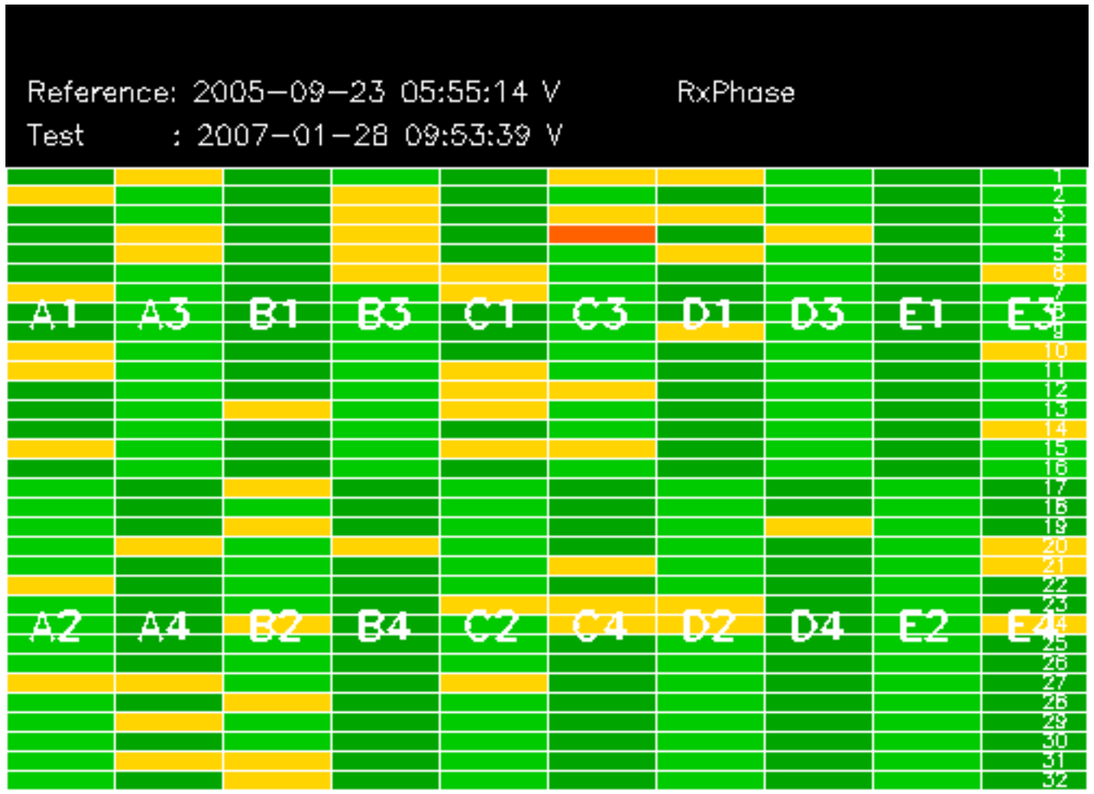

Reference: 2001-02-09 14:08:23 V
Test : 2007-01-28 09:53:39 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-01-28 09:53:39 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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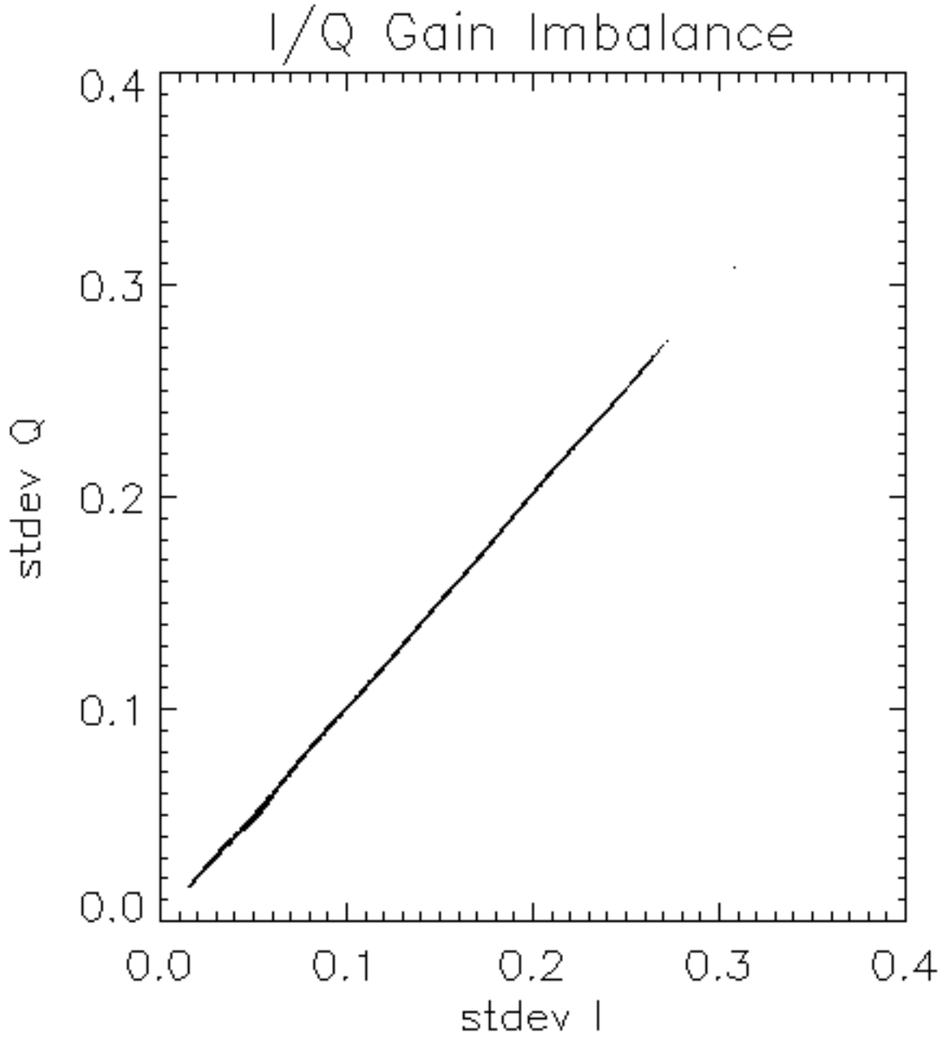
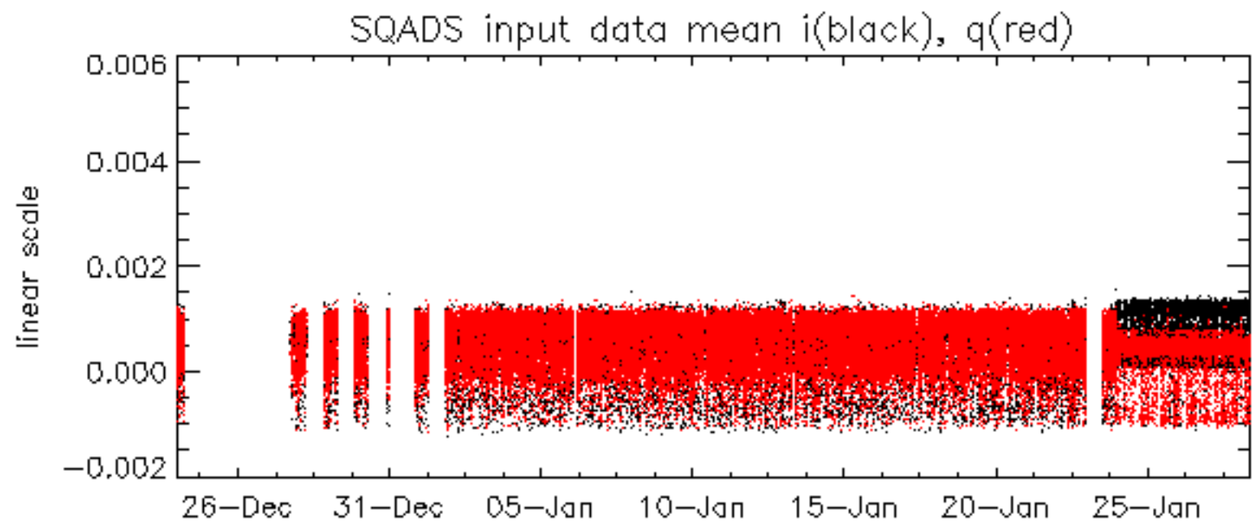
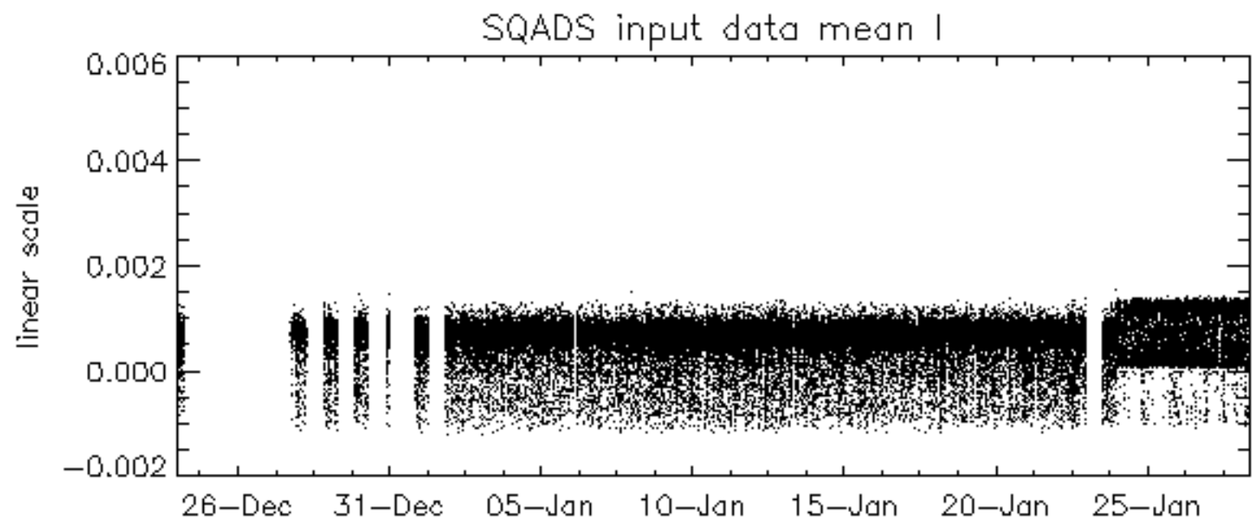
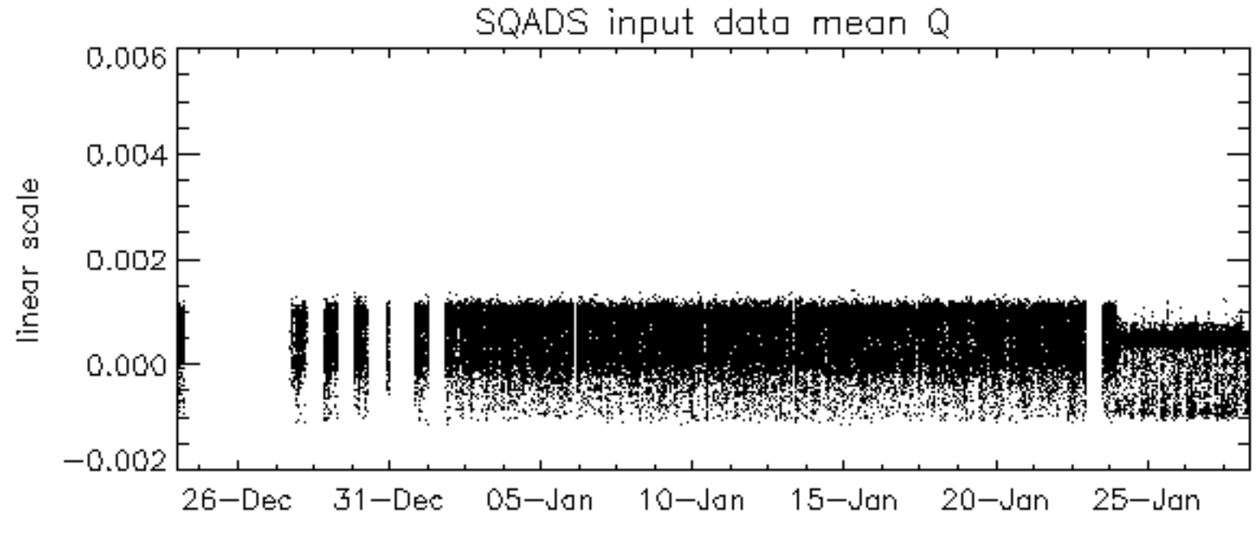
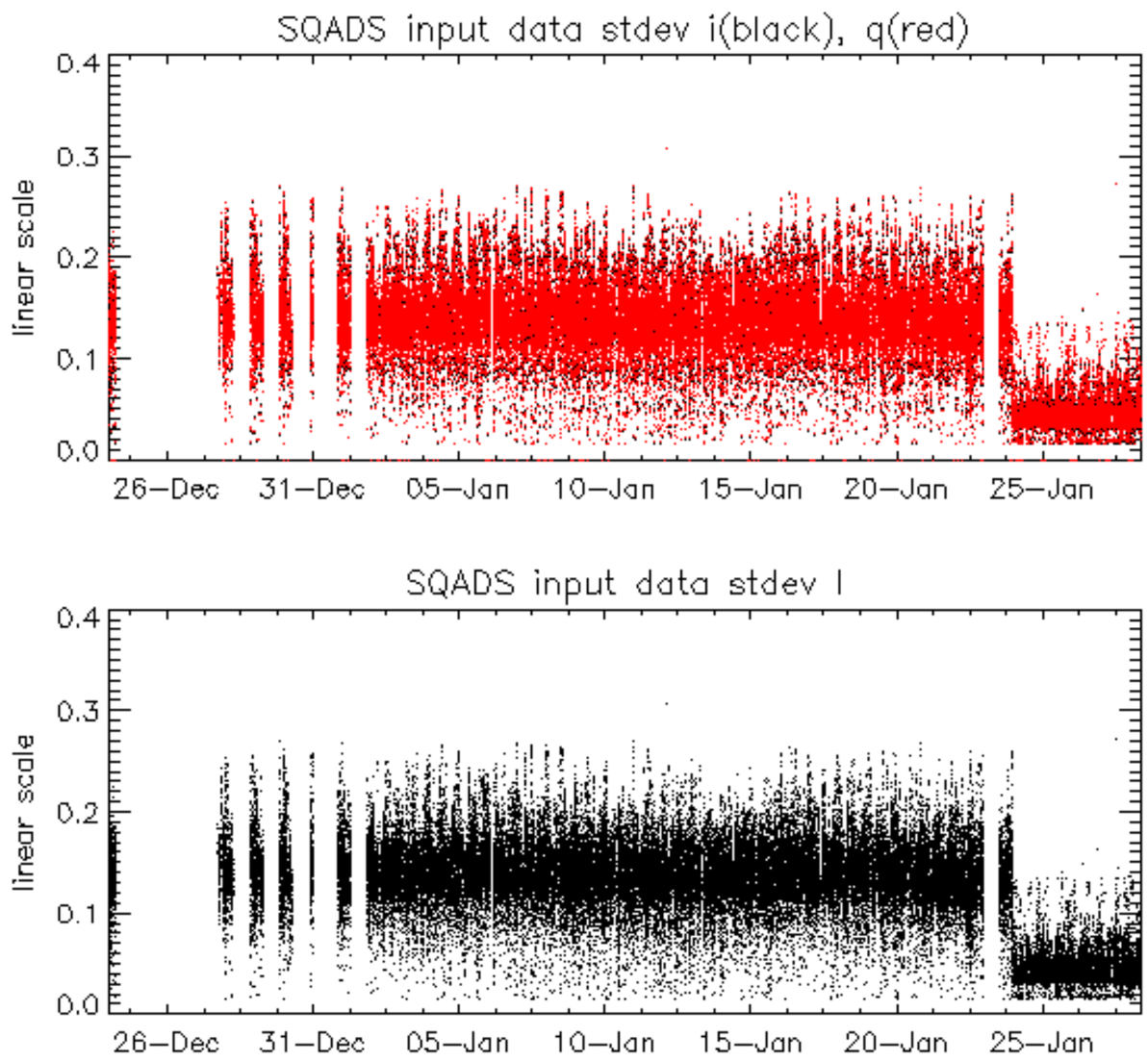
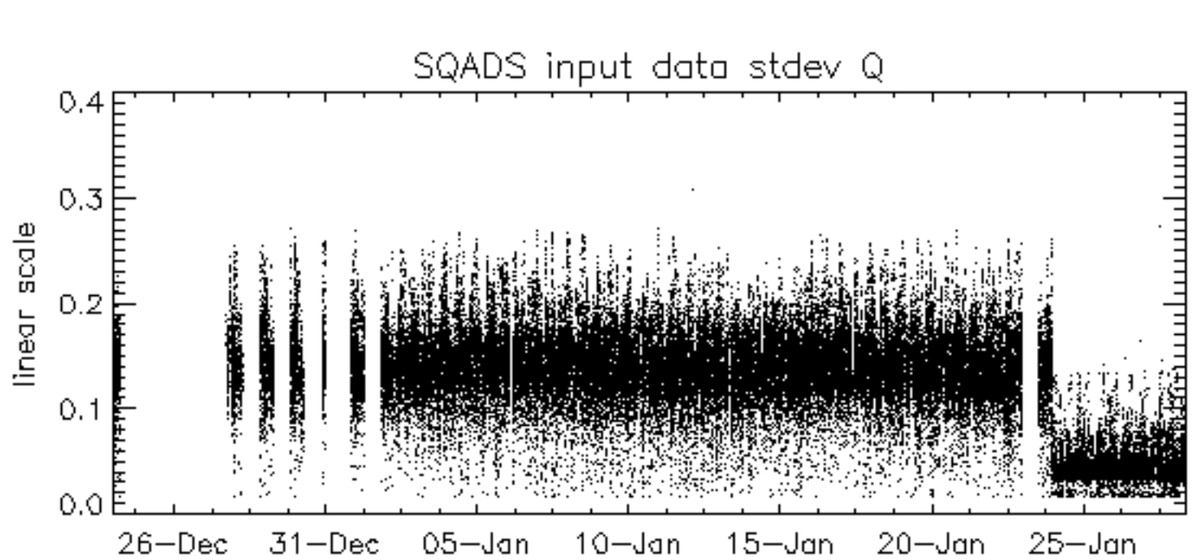

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I


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

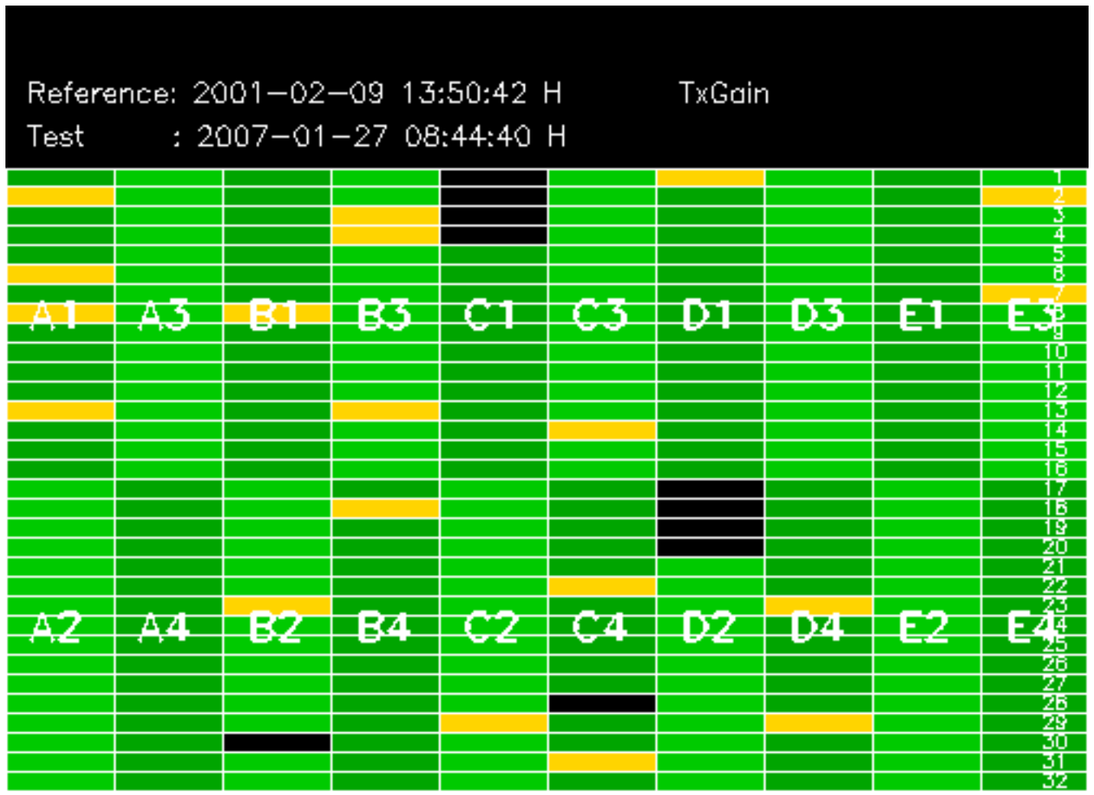

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan
20−Jan
25−Jan

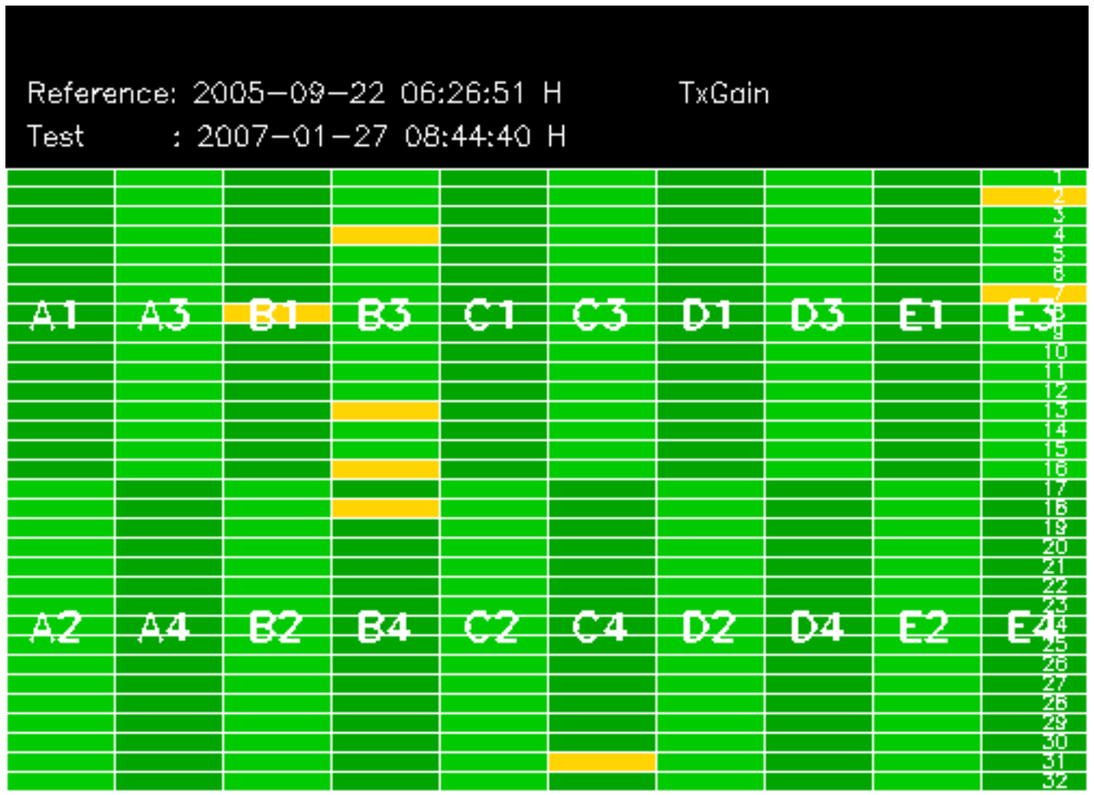

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Dec
31−Dec
05−Jan
10−Jan
15−Jan
20−Jan
25−Jan


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26–Dec
31–Dec
05–Jan
10–Jan
15–Jan
20–Jan
25–Jan

SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26–Dec
31–Dec
05–Jan
10–Jan
15–Jan
20–Jan
25–Jan


Reference: 2001-02-09 13:50:42 H
Test : 2007-01-27 08:44:40 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 : 2007-01-27 08:44:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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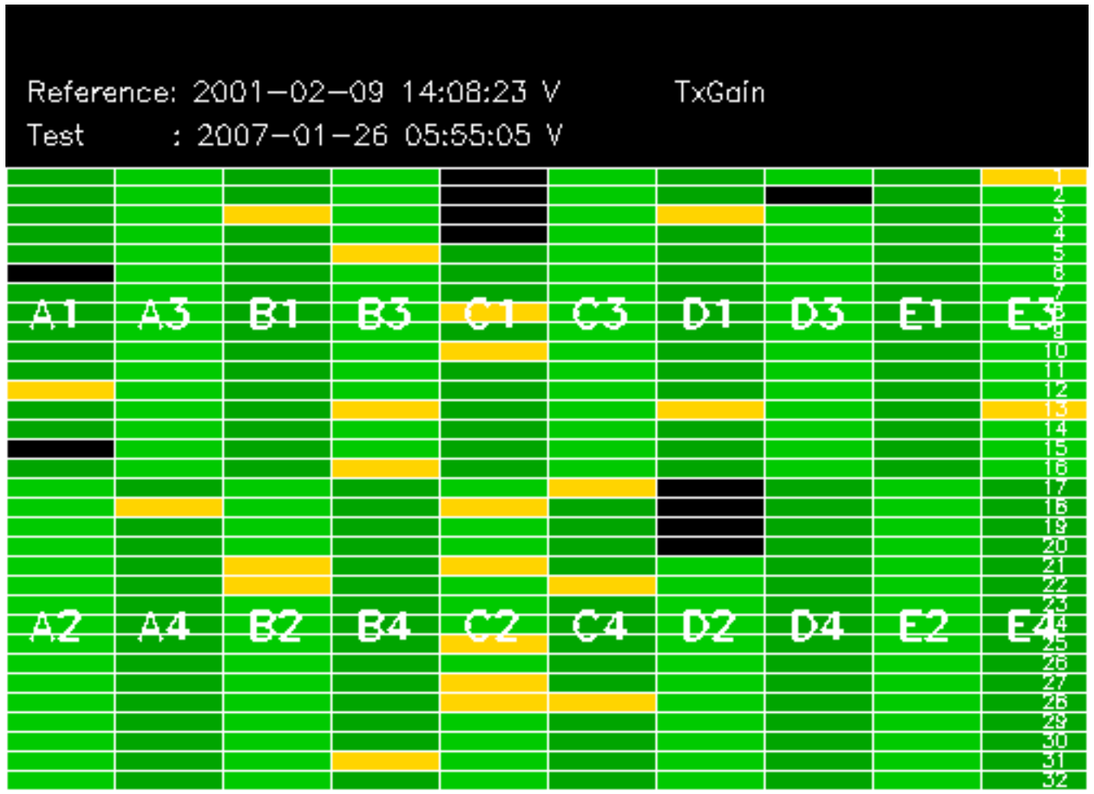
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-26 05:55:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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Reference: 2005-09-23 05:55:14 V
Test : 2007-01-26 05:55:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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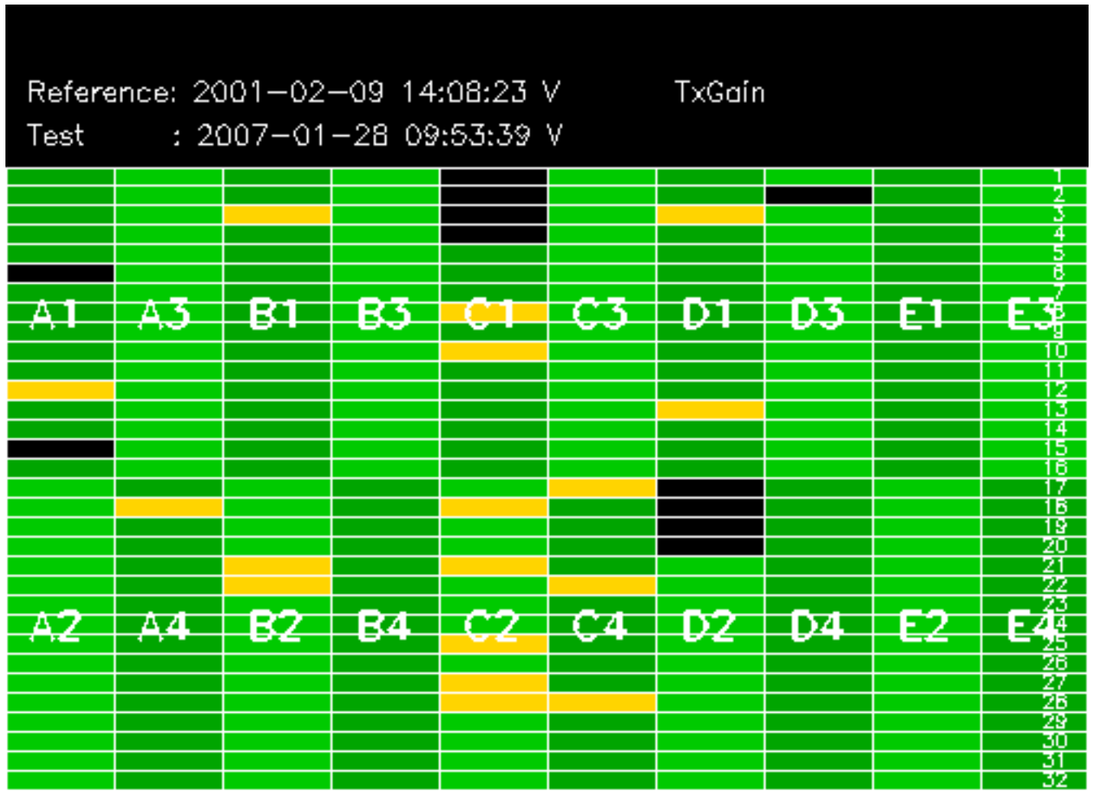
Reference: 2001-02-09 14:08:23 V
Test : 2007-01-28 09:53:39 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
E2
E4
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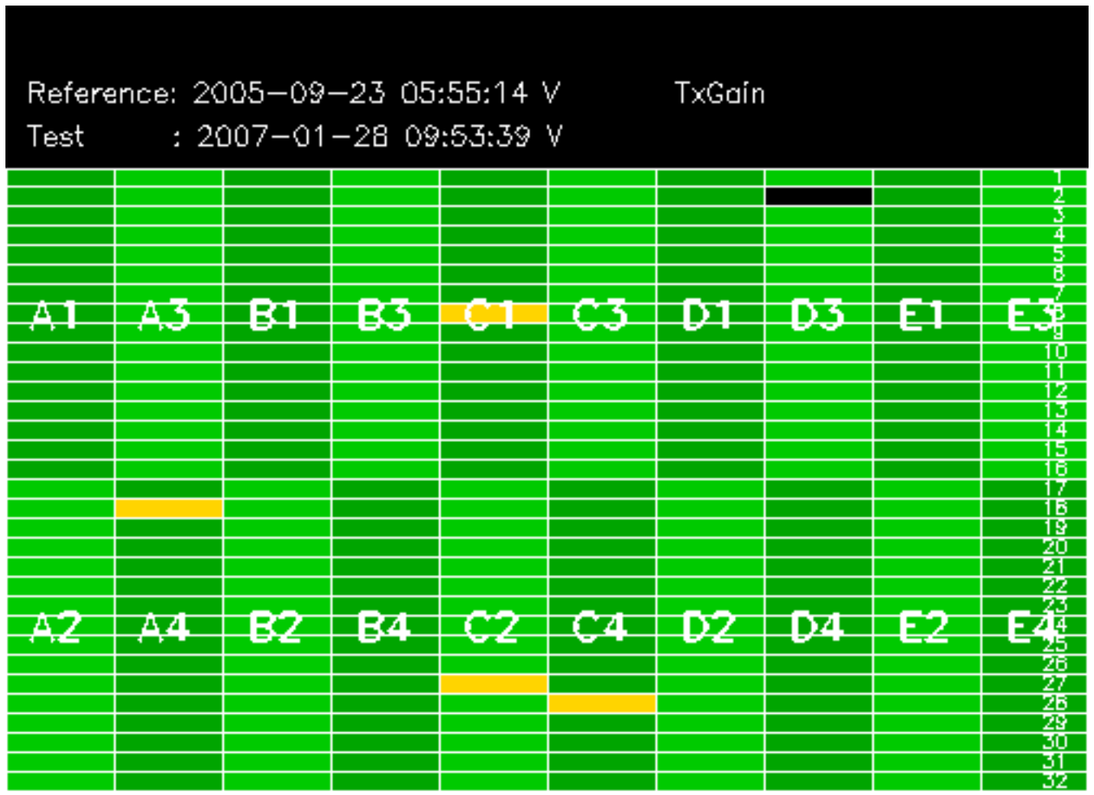
Reference: 2005-09-23 05:55:14 V
Test : 2007-01-28 09:53:39 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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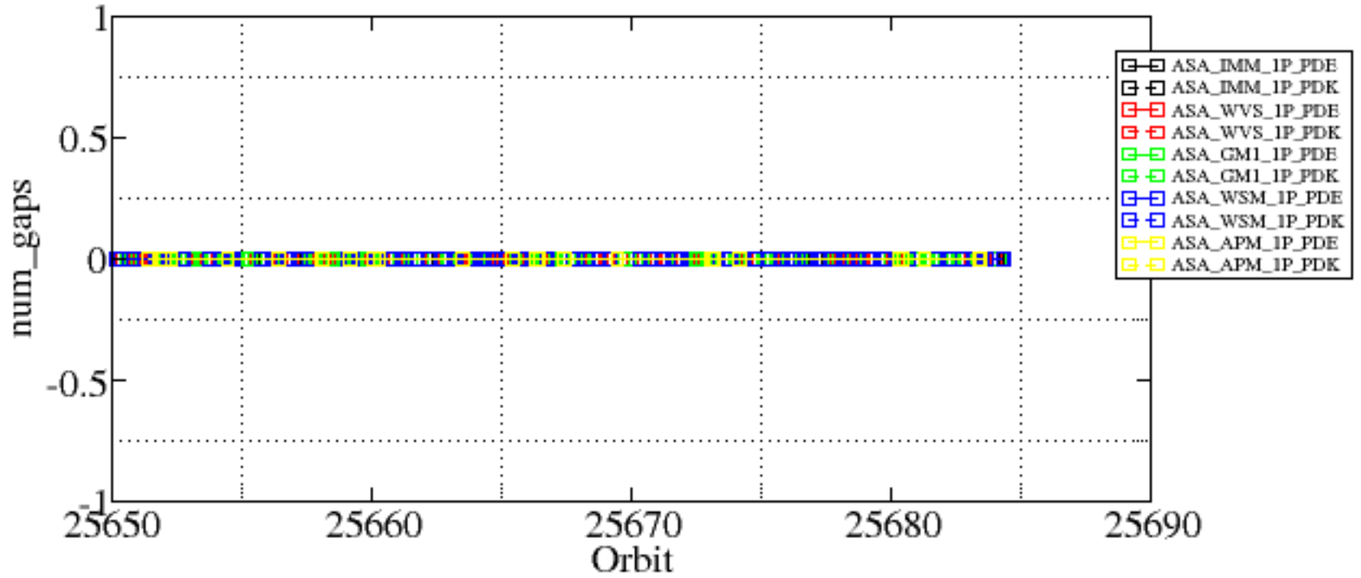
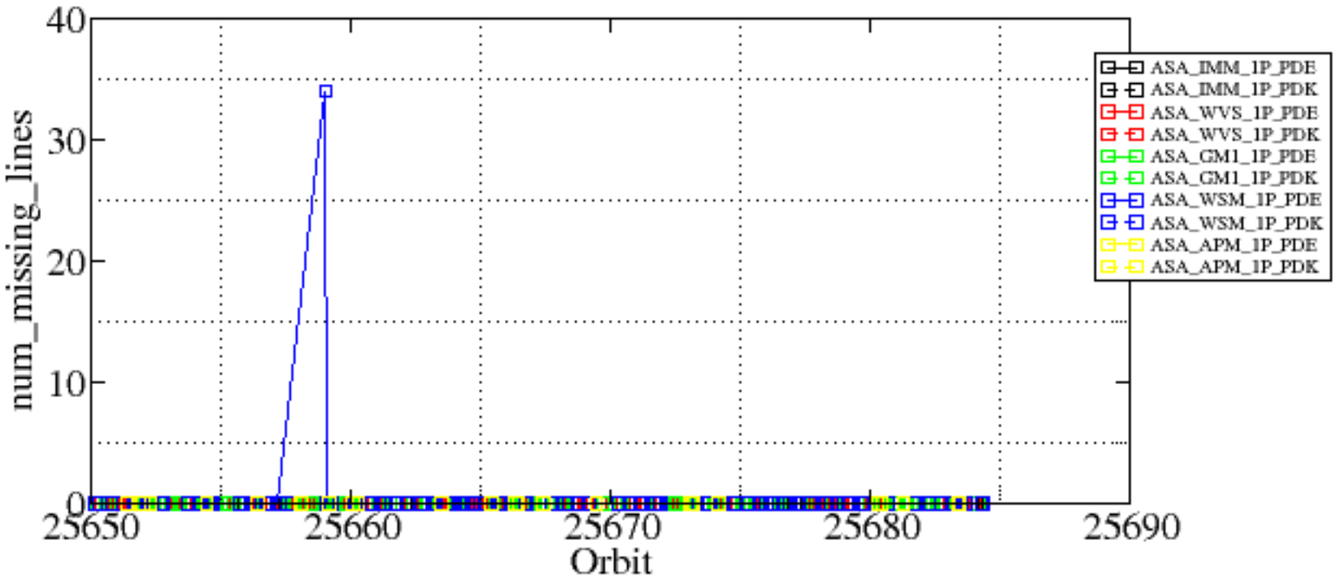
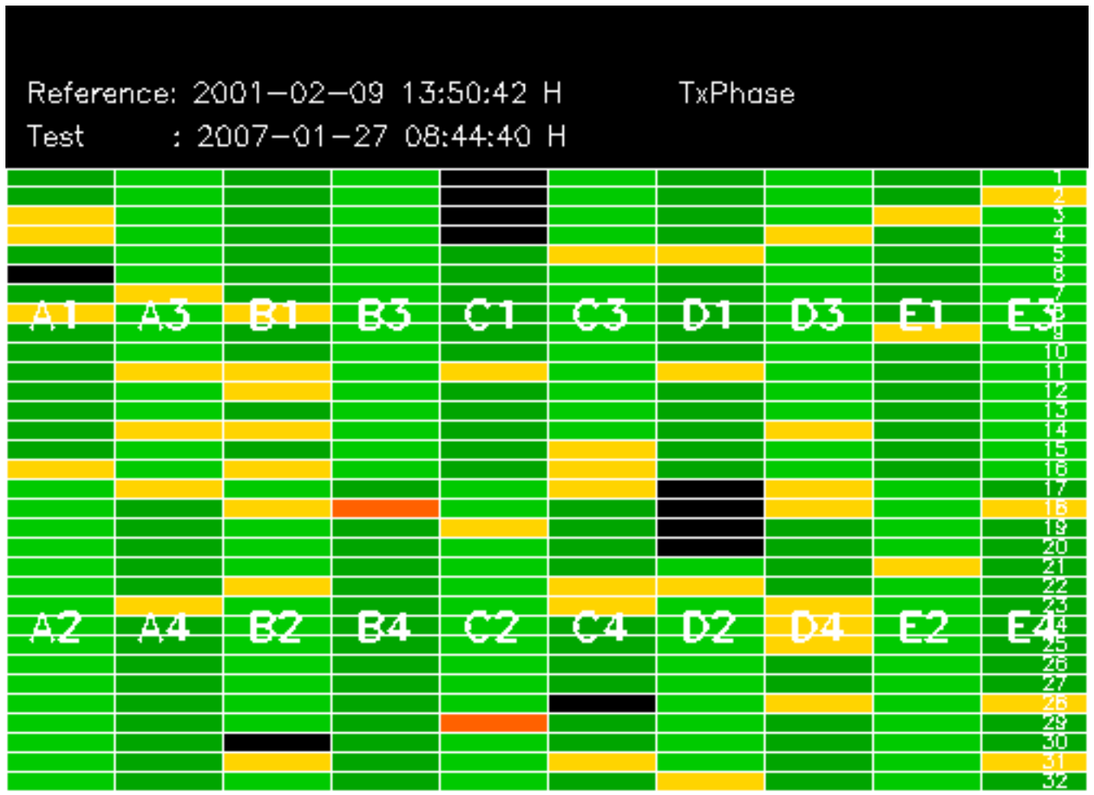
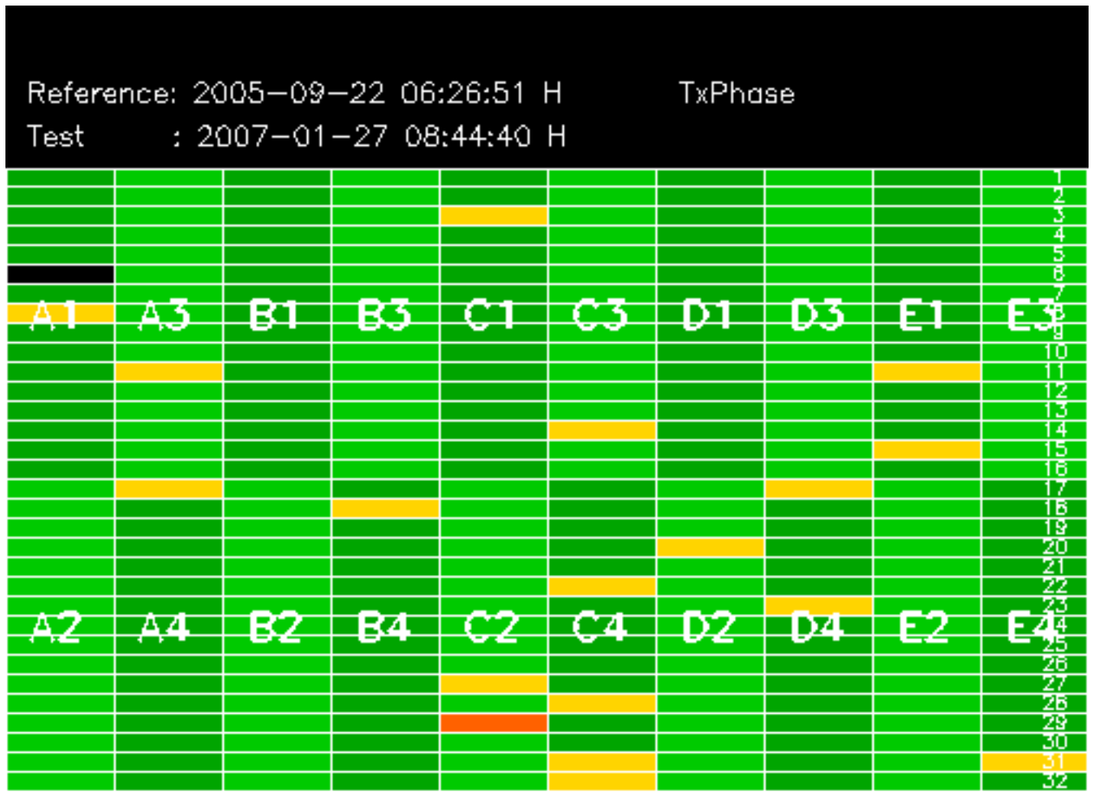
Summary of analysis for the last 3 days 2007012[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20070126_145411_000000852055_00054_25659_4744.N1 </td> <td>0 </td> <td>34 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
25650
25660
25670
25680
25690
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
40
30
20
10
0
25650
25660
25670
25680
25690
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
Test : 2007-01-27 08:44:40 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-01-27 08:44:40 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
7
8
9
10
11
12
13
14
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16
17
18
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21
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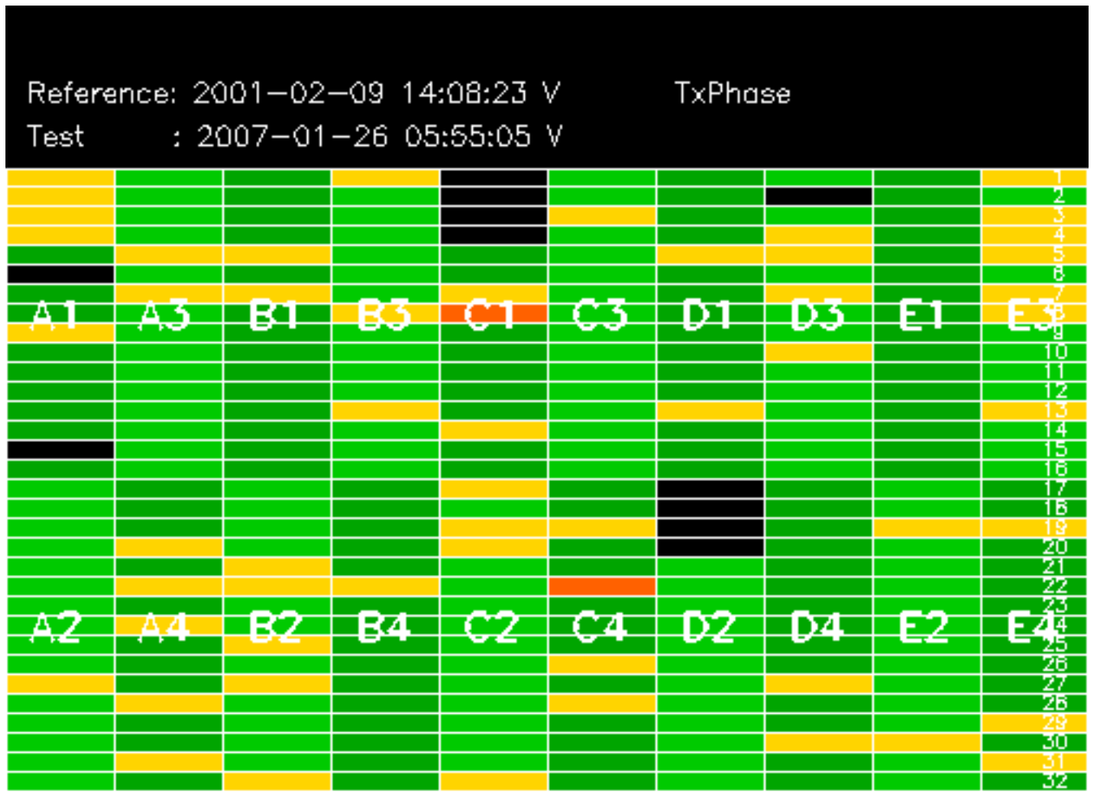
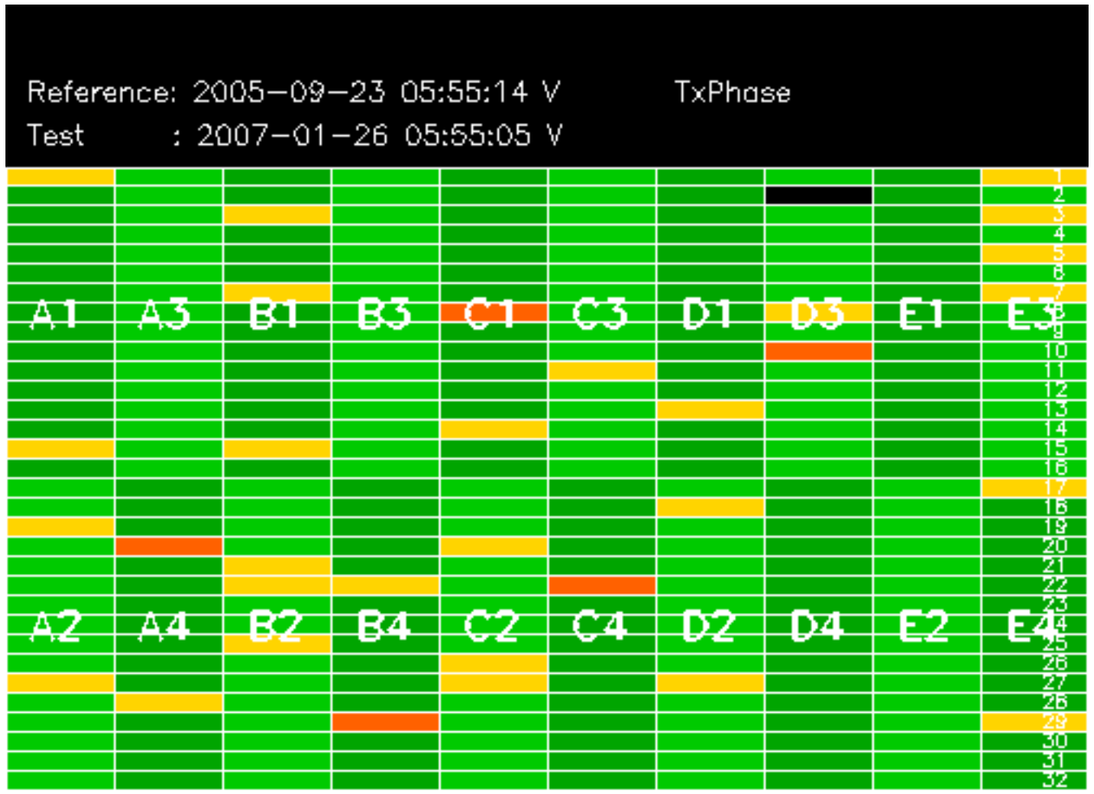
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-01-26 05:55:05 V
TxPhase
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 : 2007-01-26 05:55:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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8
9
10
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23
24
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29
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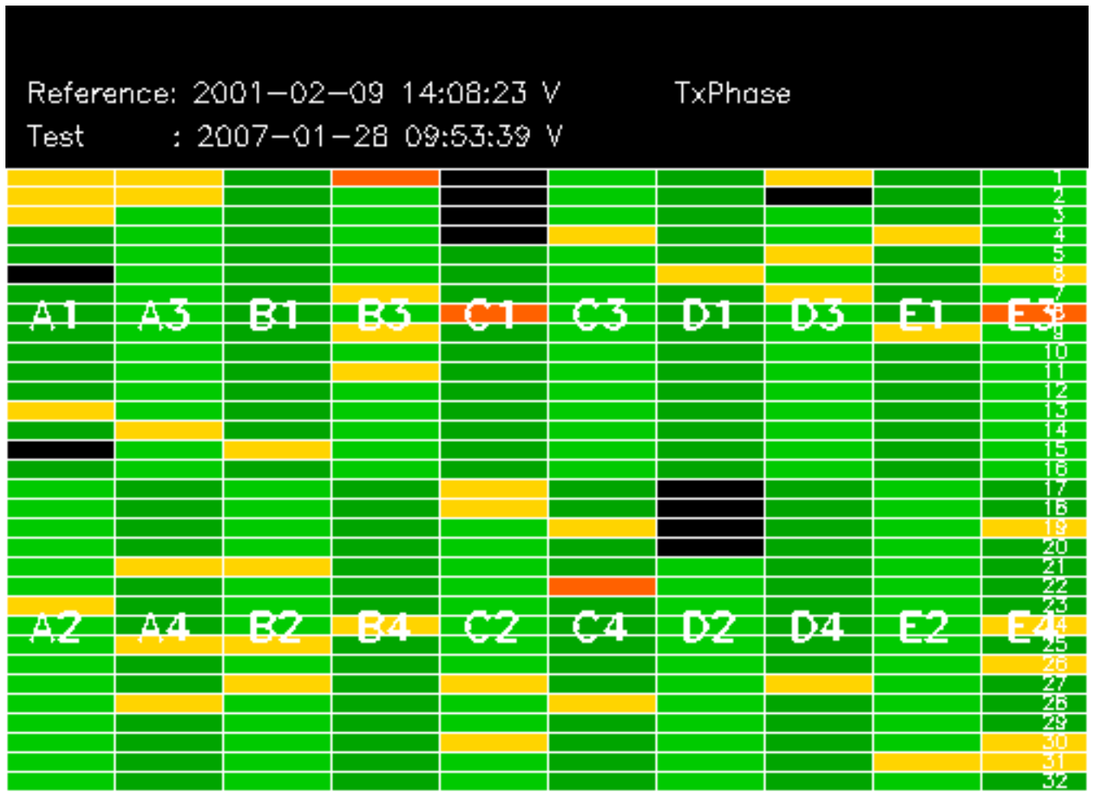
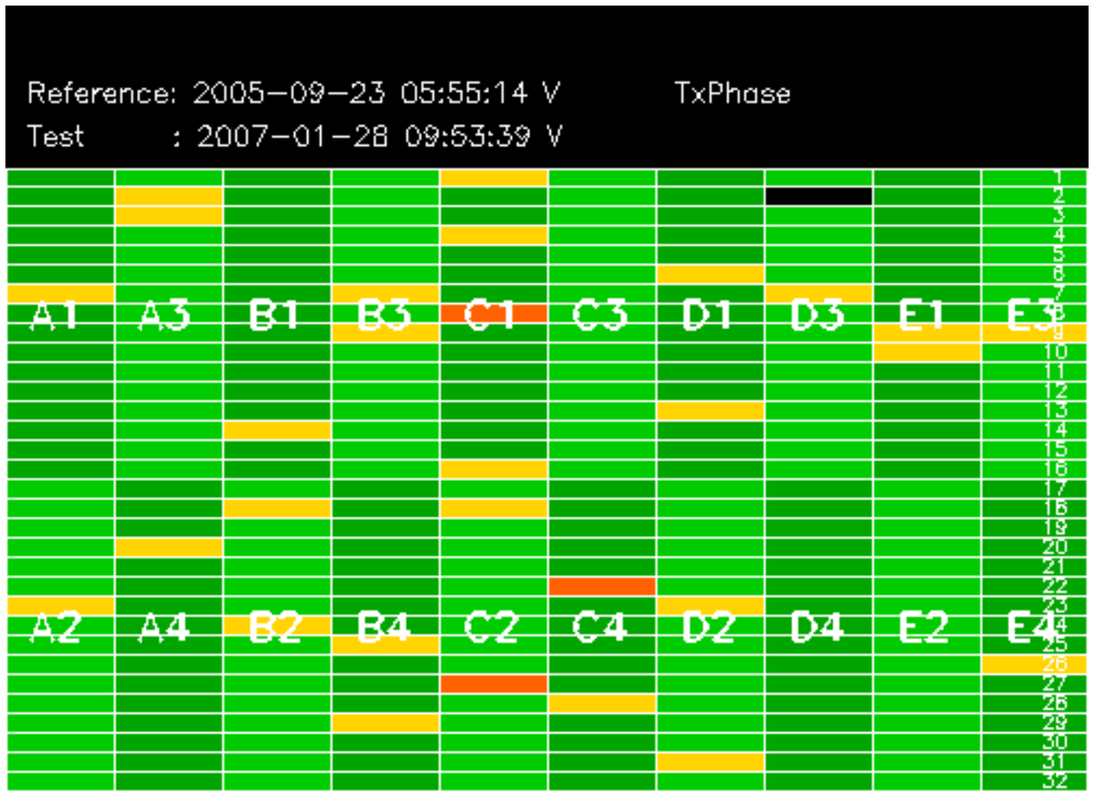
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-01-28 09:53:39 V
TxPhase
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 : 2007-01-28 09:53:39 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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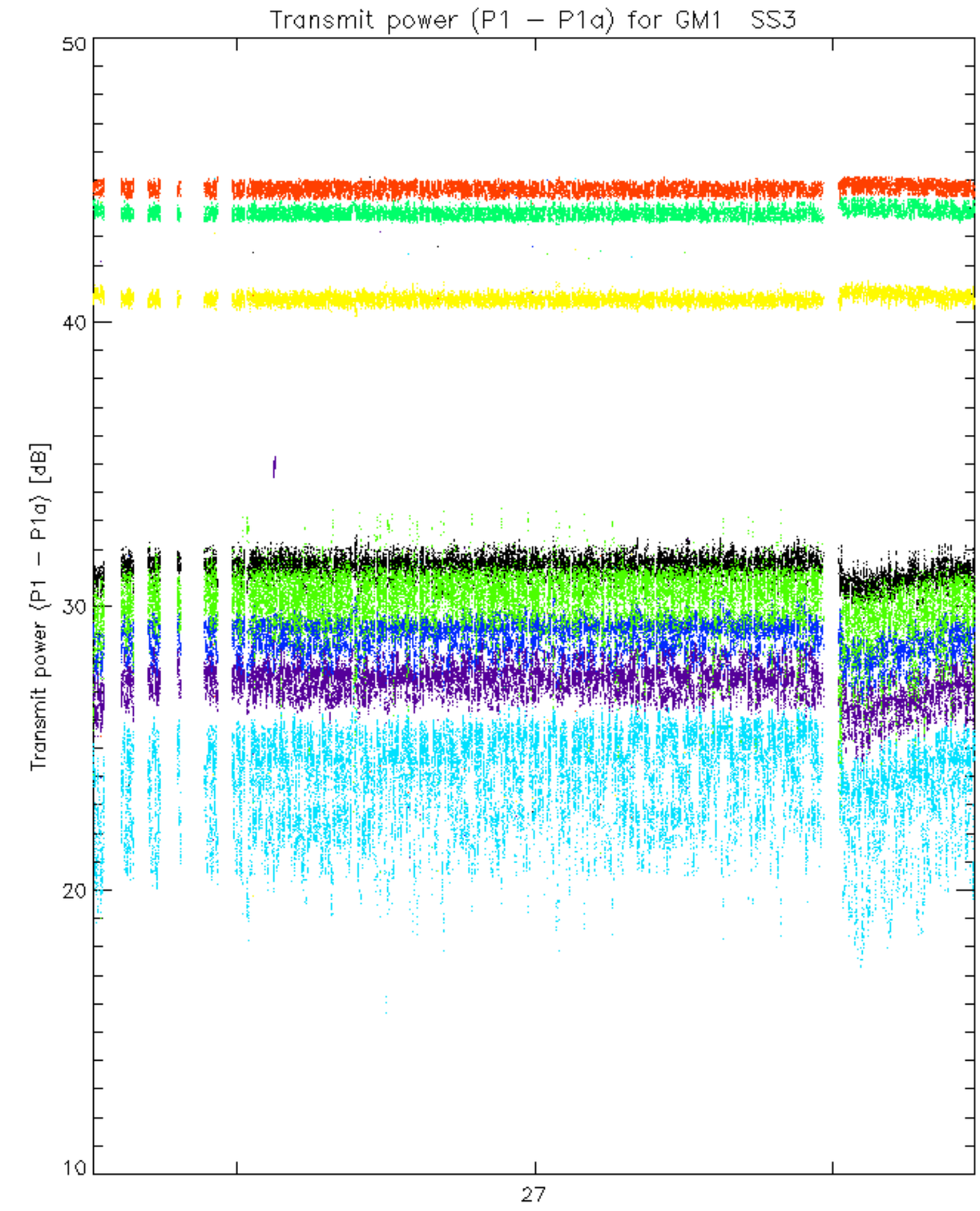
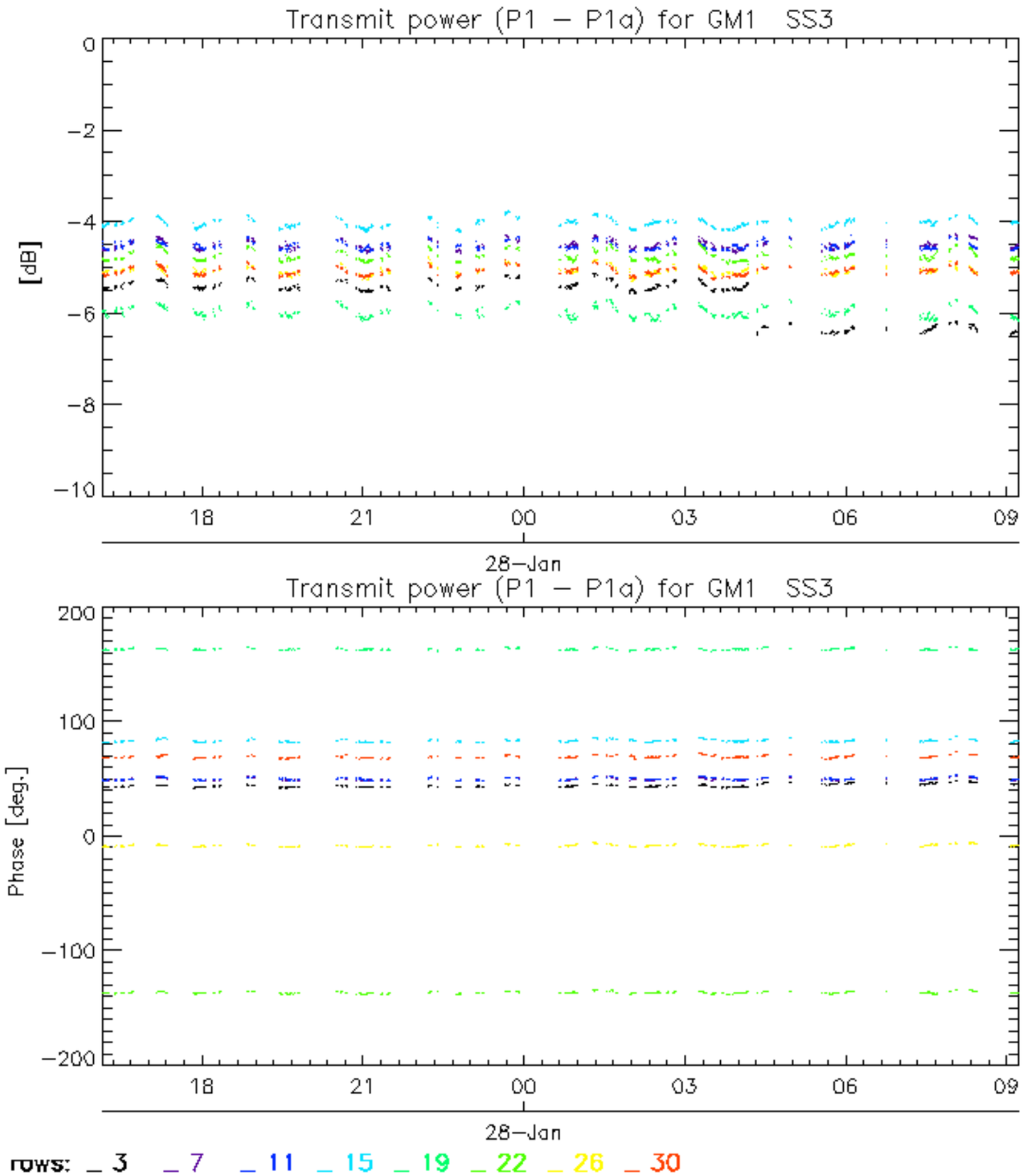
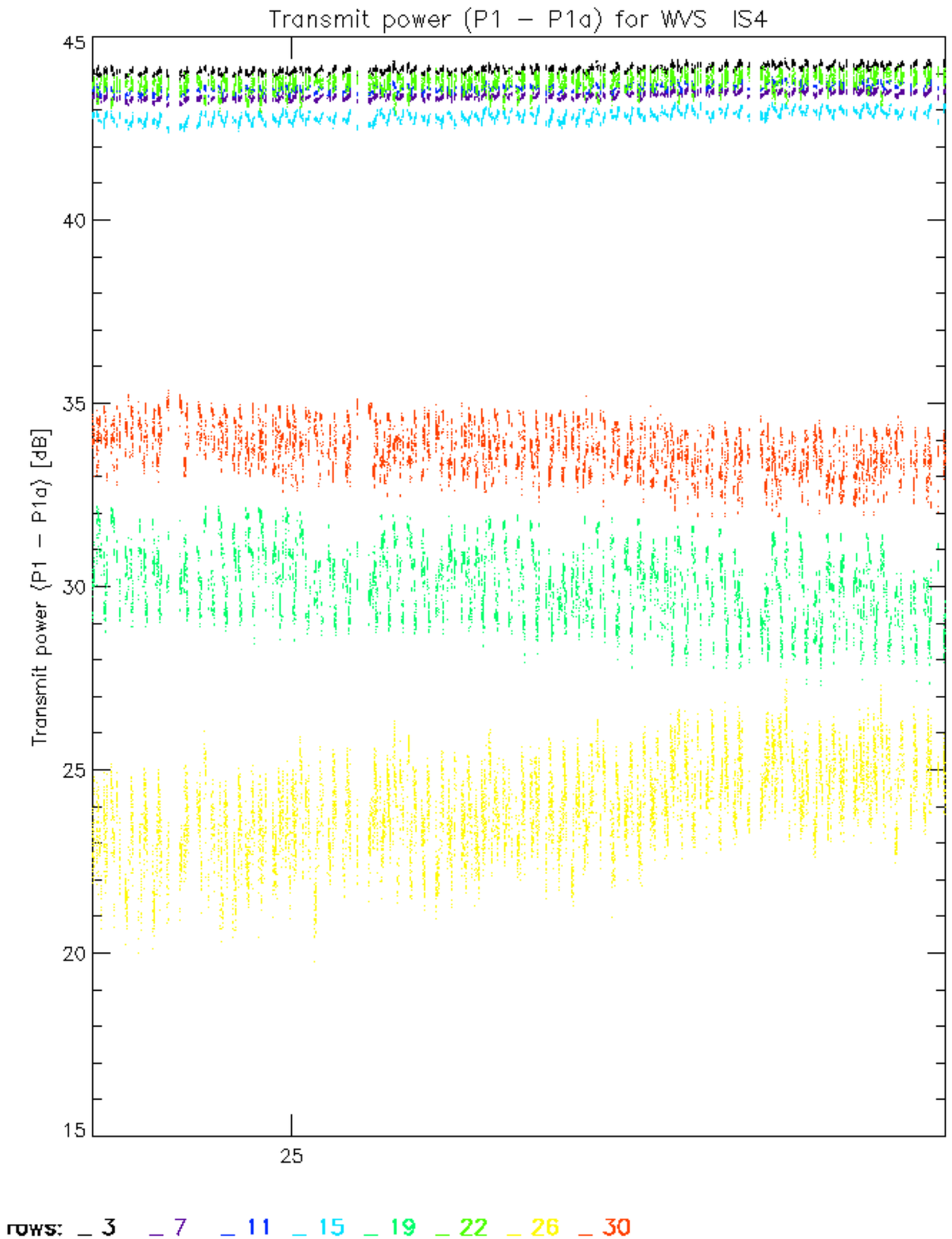
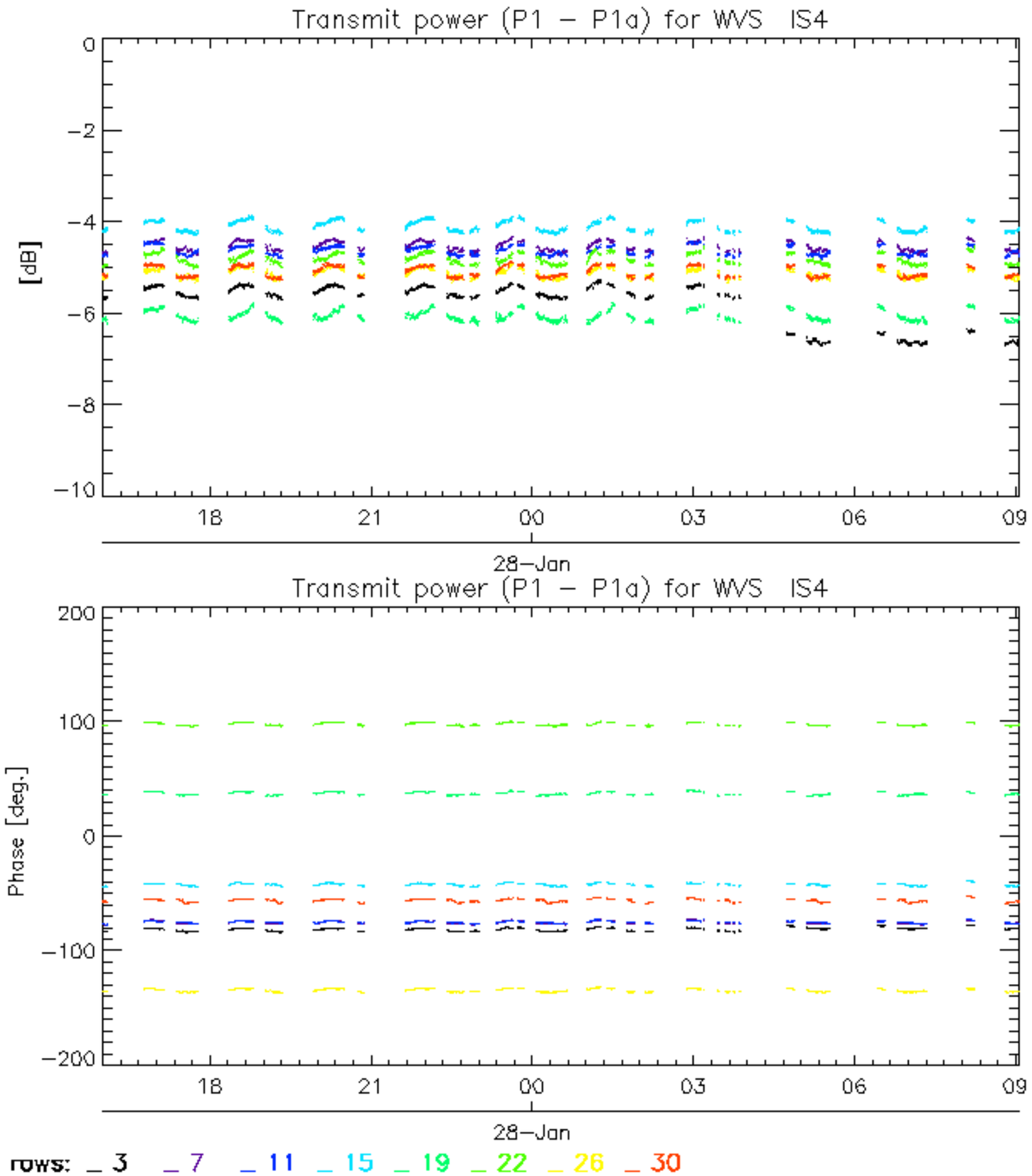
32


Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
27
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
28–Jan
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
28–Jan
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
25
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
09
28–Jan
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
28–Jan
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.