PRELIMINARY REPORT OF 061228

last update on Thu Dec 28 16:20:59 GMT 2006

1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2006-12-27 00:00:00 to 2006-12-28 16:20:59

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

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	18	21	33	11	55
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	18	21	33	11	55
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	18	21	33	11	55
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	18	21	33	11	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:

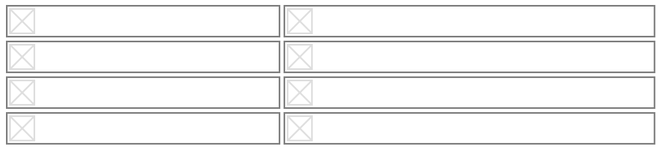
Polarisation	Start Time
V	20061228 074716
H	20061221 062648

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



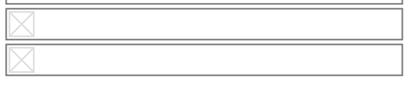
4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

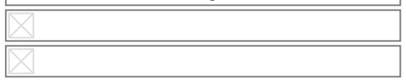
4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS



4.1.2 - Evolution for GM1

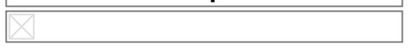
Evolution of cal pulses for GM1



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	-3.963005	0.007954	-0.018492
7	P1	-3.140478	0.024959	0.031406
11	P1	-4.118001	0.026713	0.018443
15	P1	-6.325064	0.016515	-0.050747
19	P1	-3.652897	0.005834	-0.063285
22	P1	-4.656673	0.014161	-0.020580
26	P1	-3.958717	0.009344	-0.027503
30	P1	-5.892790	0.009479	-0.044360
3	P1	-16.549818	0.256253	-0.139987
7	P1	-17.287157	0.191909	0.065891
11	P1	-17.189623	0.484514	0.107367
15	P1	-13.050205	0.137614	0.046970
19	P1	-14.992675	0.094848	-0.068562
22	P1	-15.807932	0.553032	0.062937
26	P1	-15.079614	0.186342	-0.038417
30	P1	-17.505268	0.476457	0.025344

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.801174	0.095000	0.039277
7	P2	-21.722366	0.094536	0.061267
11	P2	-15.578486	0.103846	0.063182
15	P2	-7.111259	0.110115	0.023263
19	P2	-9.189417	0.106459	-0.011588
22	P2	-18.230293	0.099762	0.029167
26	P2	-16.586899	0.113884	-0.059282
30	P2	-19.457903	0.090102	0.009568

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.240557	0.009108	0.012413
7	P3	-8.240557	0.009108	0.012413
11	P3	-8.240557	0.009108	0.012413

15	P3	-8.240557	0.009108	0.012413
19	P3	-8.240557	0.009108	0.012413
22	P3	-8.240557	0.009108	0.012413
26	P3	-8.240592	0.009108	0.012215
30	P3	-8.240592	0.009108	0.012215

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.918566	0.014467	-0.026608
7	P1	-2.474517	0.015933	0.003045
11	P1	-2.851058	0.017733	-0.015781
15	P1	-3.687897	0.031521	-0.044846
19	P1	-3.544504	0.019003	-0.015628
22	P1	-5.026247	0.023711	-0.010532
26	P1	-6.028304	0.028740	-0.024314
30	P1	-5.345176	0.039556	-0.001286
3	P1	-11.741719	0.082640	-0.024550
7	P1	-10.064311	0.088567	-0.071091
11	P1	-10.341419	0.125528	-0.083128
15	P1	-10.712017	0.120759	-0.070236
19	P1	-15.728780	0.123212	0.013429
22	P1	-21.593946	1.411368	0.117028
26	P1	-16.064838	0.343568	0.071411
30	P1	-17.881527	0.367436	-0.082172

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.466524	0.121432	0.006426
7	P2	-22.224358	0.271388	0.060541
11	P2	-10.877472	0.130627	0.075764
15	P2	-4.984566	0.231891	0.004627
19	P2	-6.964392	0.270230	-0.029095
22	P2	-8.250099	0.134019	-0.003299
26	P2	-24.318539	0.175701	0.001076
30	P2	-21.947626	0.148035	0.006883

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.089412	0.005102	0.003963
7	P3	-8.089367	0.005083	0.003748
11	P3	-8.089472	0.005101	0.003917
15	P3	-8.089231	0.005091	0.004642
19	P3	-8.089328	0.005104	0.004225
22	P3	-8.089281	0.005090	0.004474
26	P3	-8.089463	0.005099	0.003960
30	P3	-8.089262	0.005071	0.003282

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	0.000560158
	stdev	1.67160e-07
MEAN Q	mean	0.000508223
	stdev	2.13966e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.139440
	stdev	0.00119571
STDEV Q	mean	0.139833
	stdev	0.00121577

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006122[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_IMM_1PNPDE20061226_201156_000000492054_00114_25218_7986.N1	0	14
ASA_GM1_1PNPDE20061227_205519_000005192054_00129_25233_9869.N1	7	280
ASA_GM1_1PNPDE20061227_224834_000000902054_00130_25234_9940.N1	5	0
ASA_WSM_1PNPDE20061226_000916_000005742054_00102_25206_6895.N1	0	36
ASA_WSM_1PNPDE20061226_014553_000002442054_00103_25207_6968.N1	0	30
ASA_WSM_1PNPDE20061226_042643_000001842054_00105_25209_8829.N1	0	60
ASA_WSM_1PNPDE20061226_233738_000001412054_00116_25220_8721.N1	0	37
ASA_WSM_1PNPDE20061227_011513_000004412054_00117_25221_8723.N1	0	41
ASA_WSM_1PNPDE20061228_004637_000001412054_00131_25235_0200.N1	0	36
ASA_WSM_1PNPDE20061228_022833_000001222054_00132_25236_0262.N1	4	126
ASA_WSM_1PNPDE20061228_032459_000001282054_00133_25237_0362.N1	0	61

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.5 - Absolute Doppler for GM1

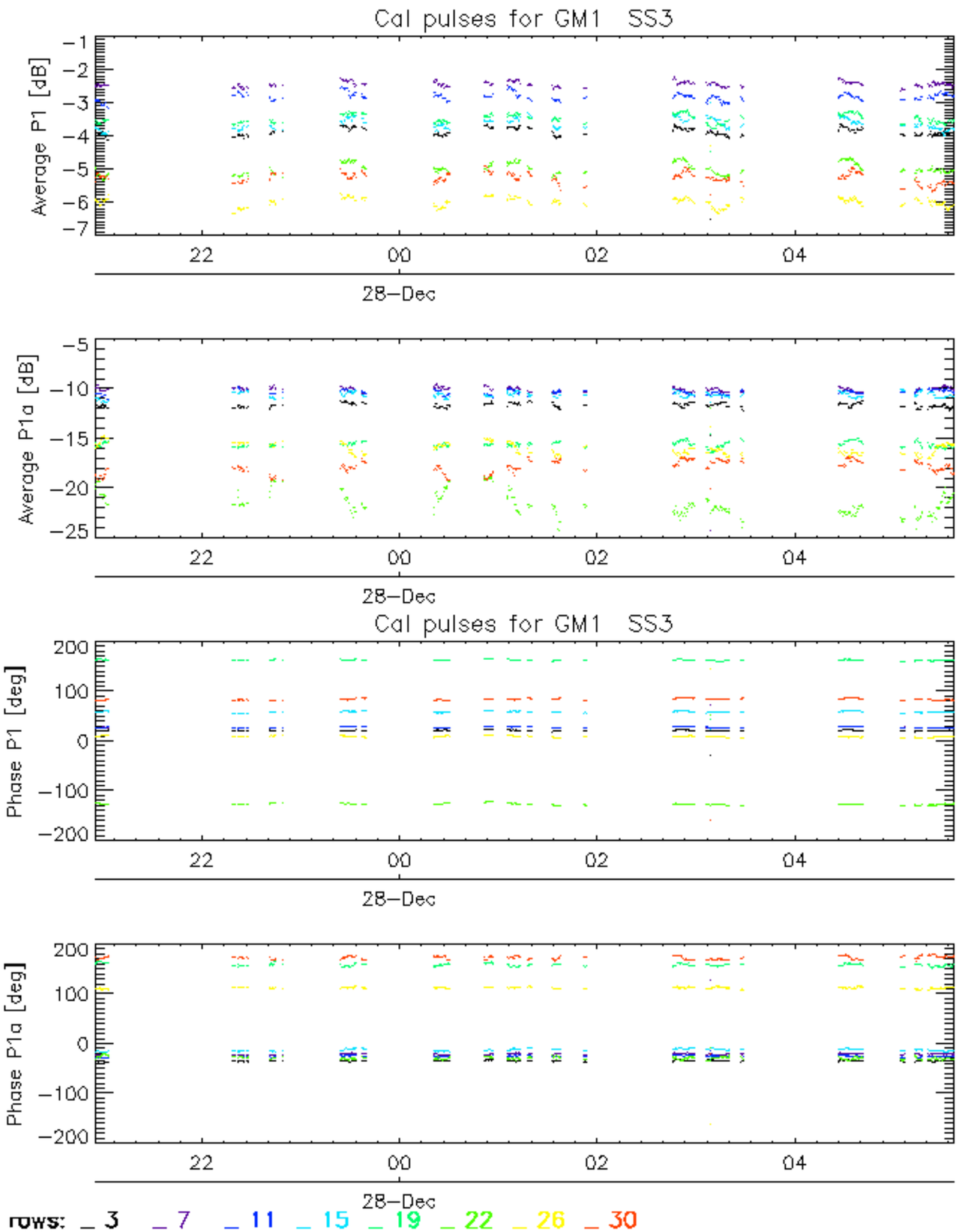
Evolution of Absolute Doppler

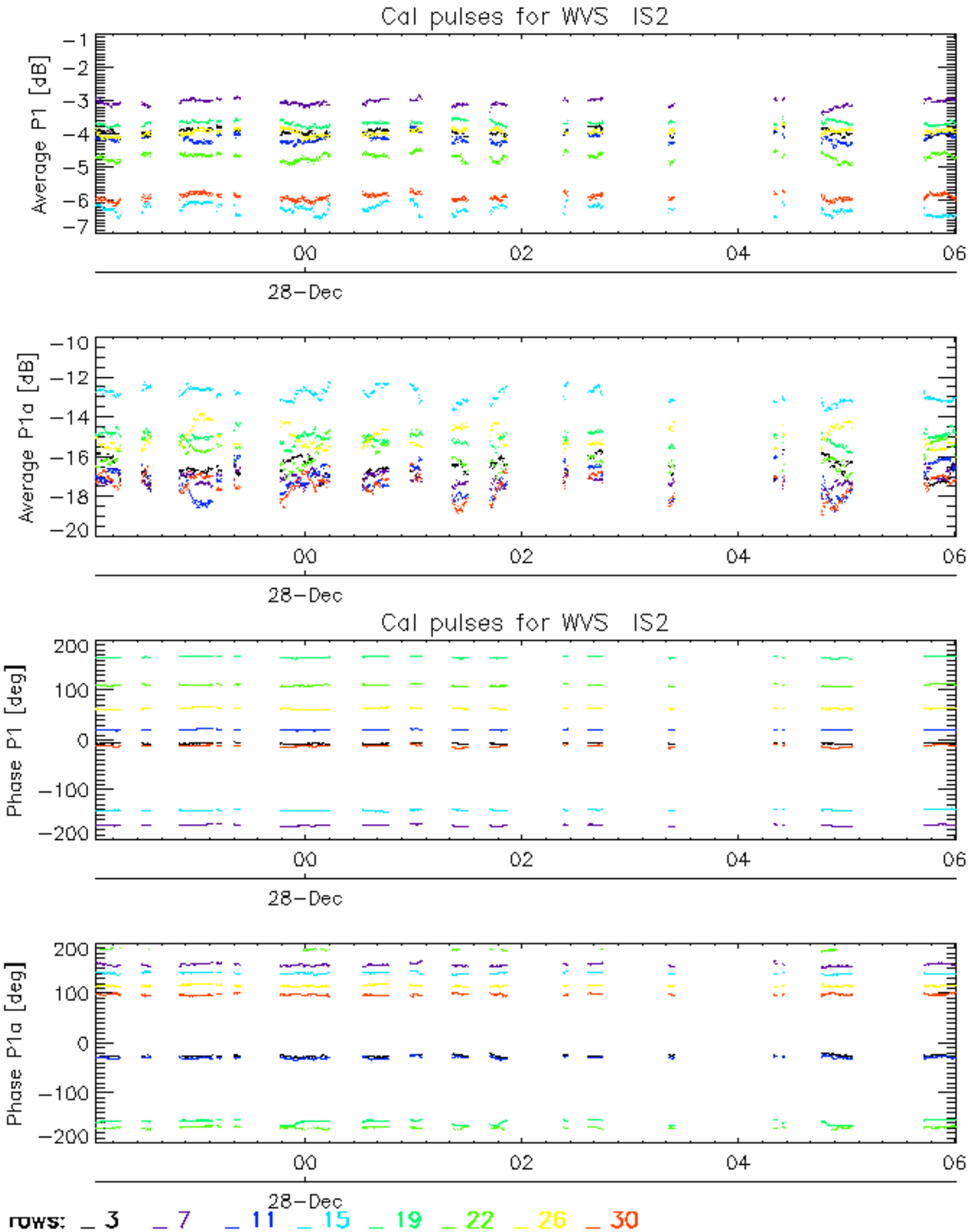
Acsending

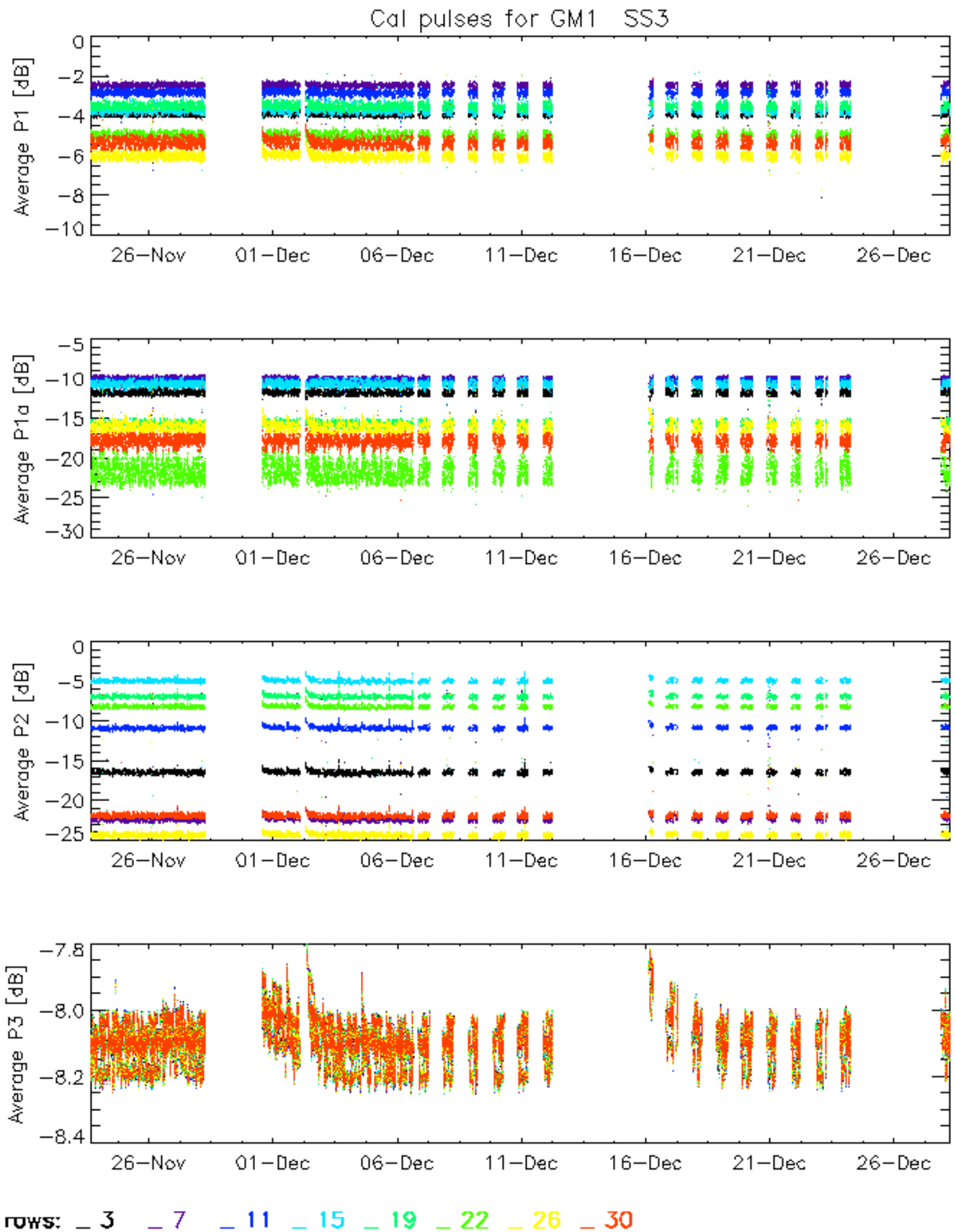
Descending

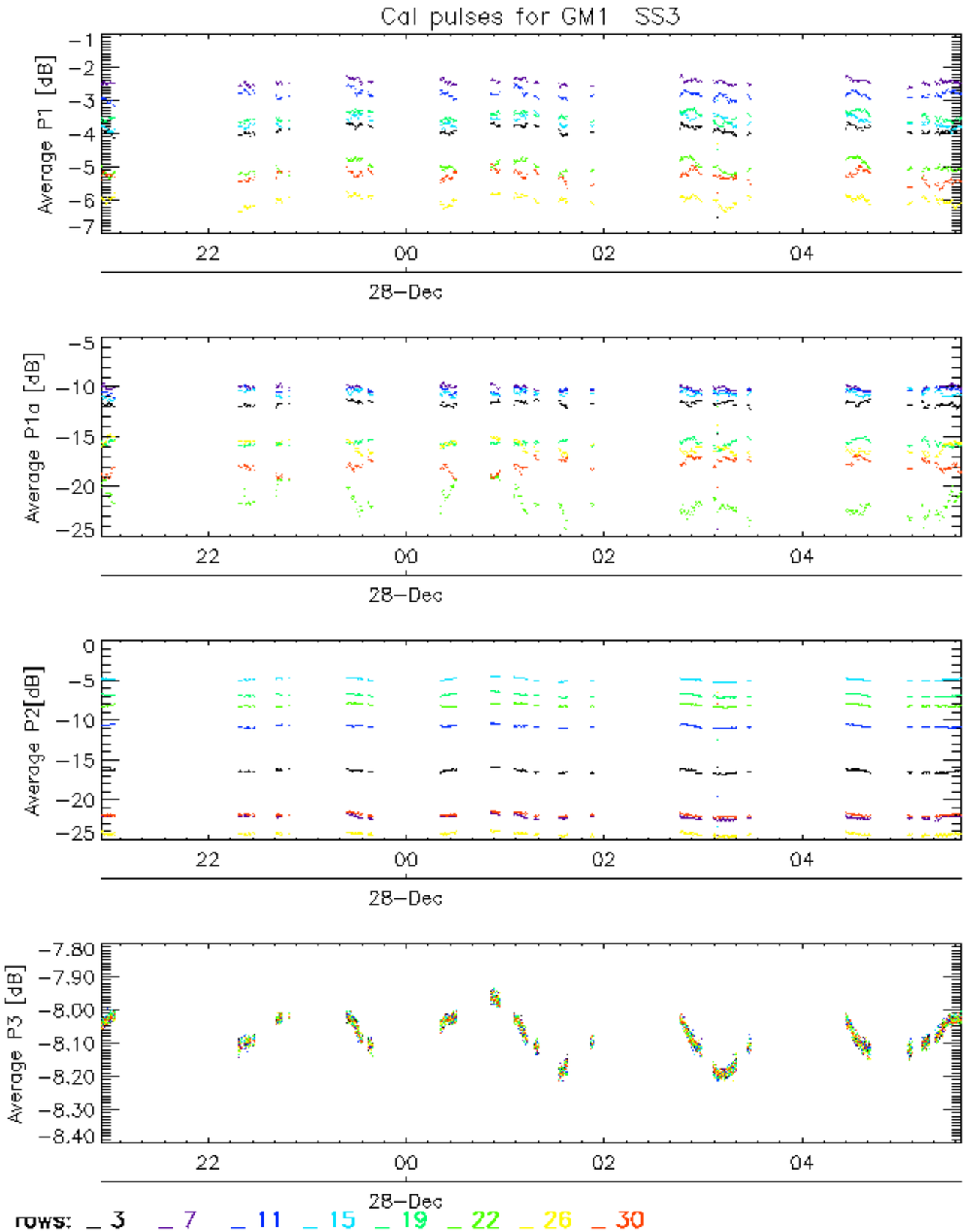
7.6 - Doppler evolution versus ANX for GM1

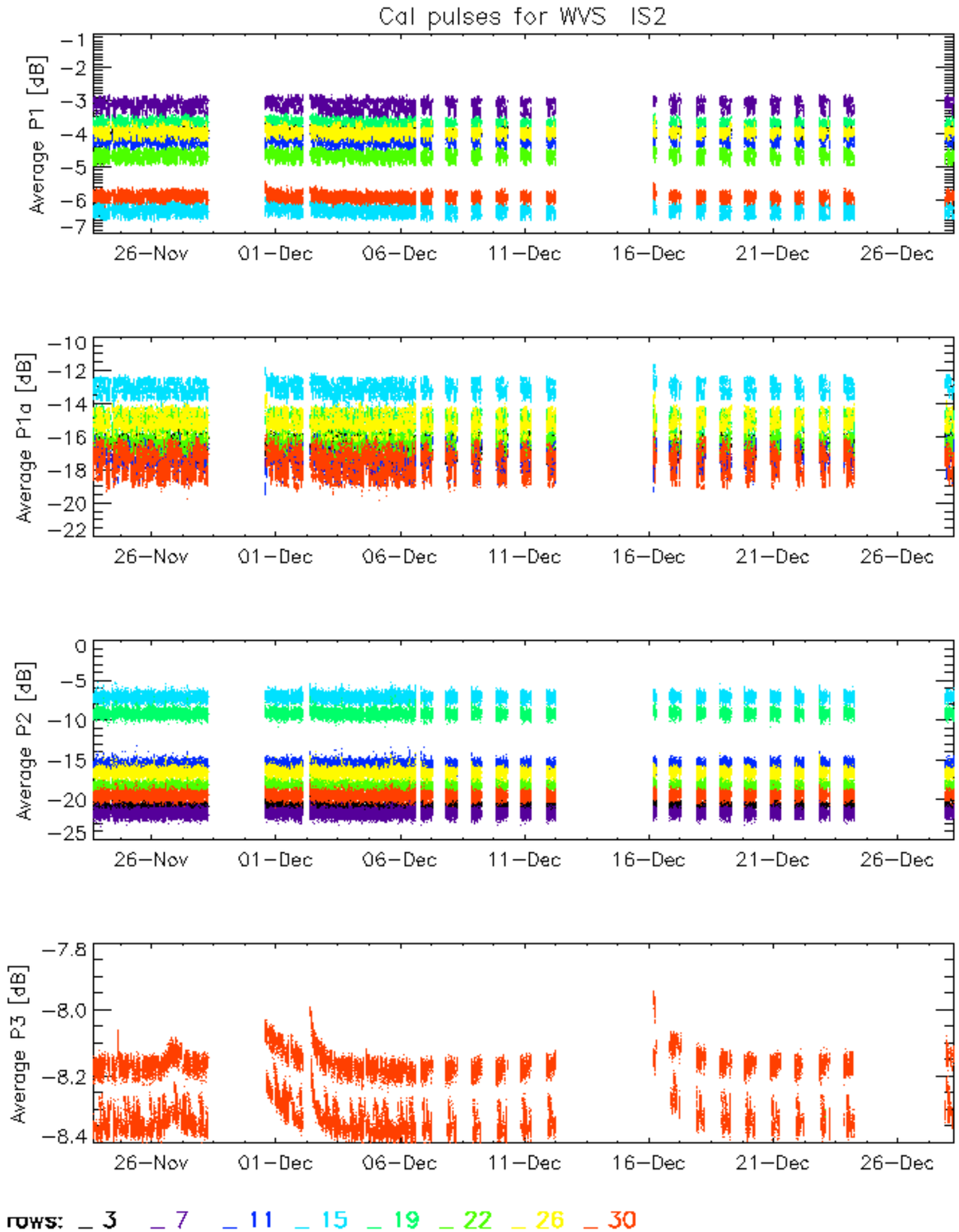
Evolution Doppler error versus ANX

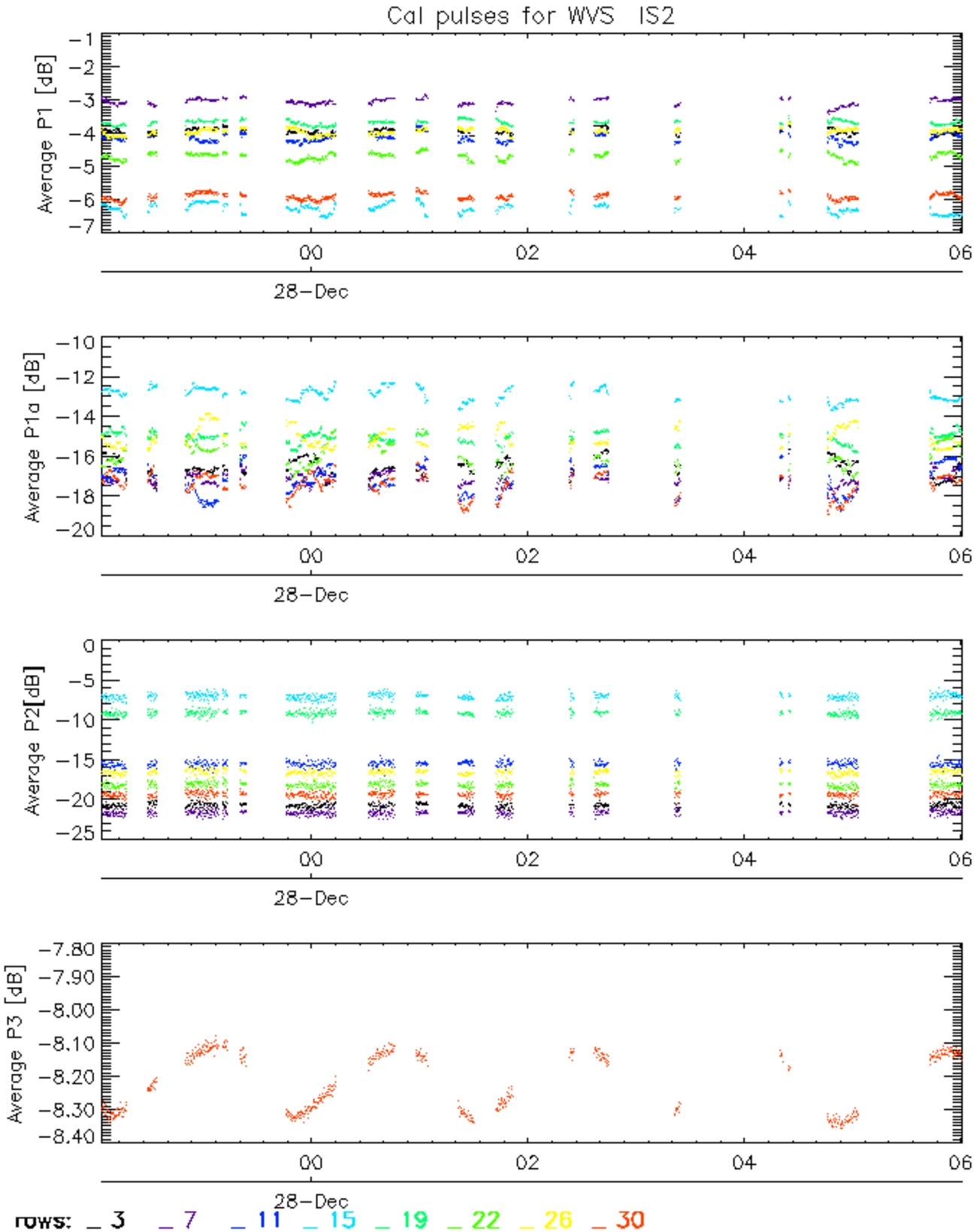


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
28−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
28−Dec
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
28−Dec
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
28−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


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

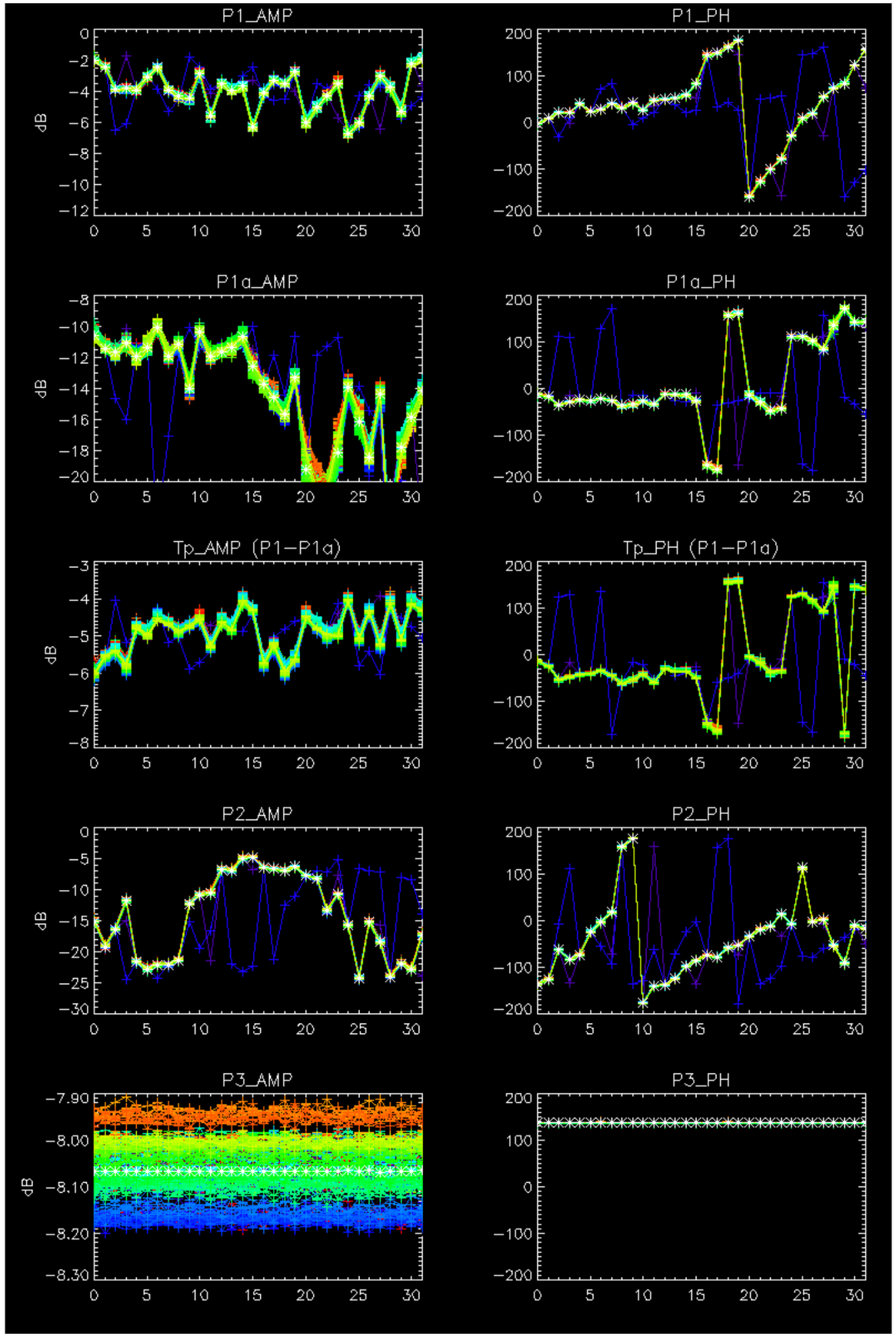

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

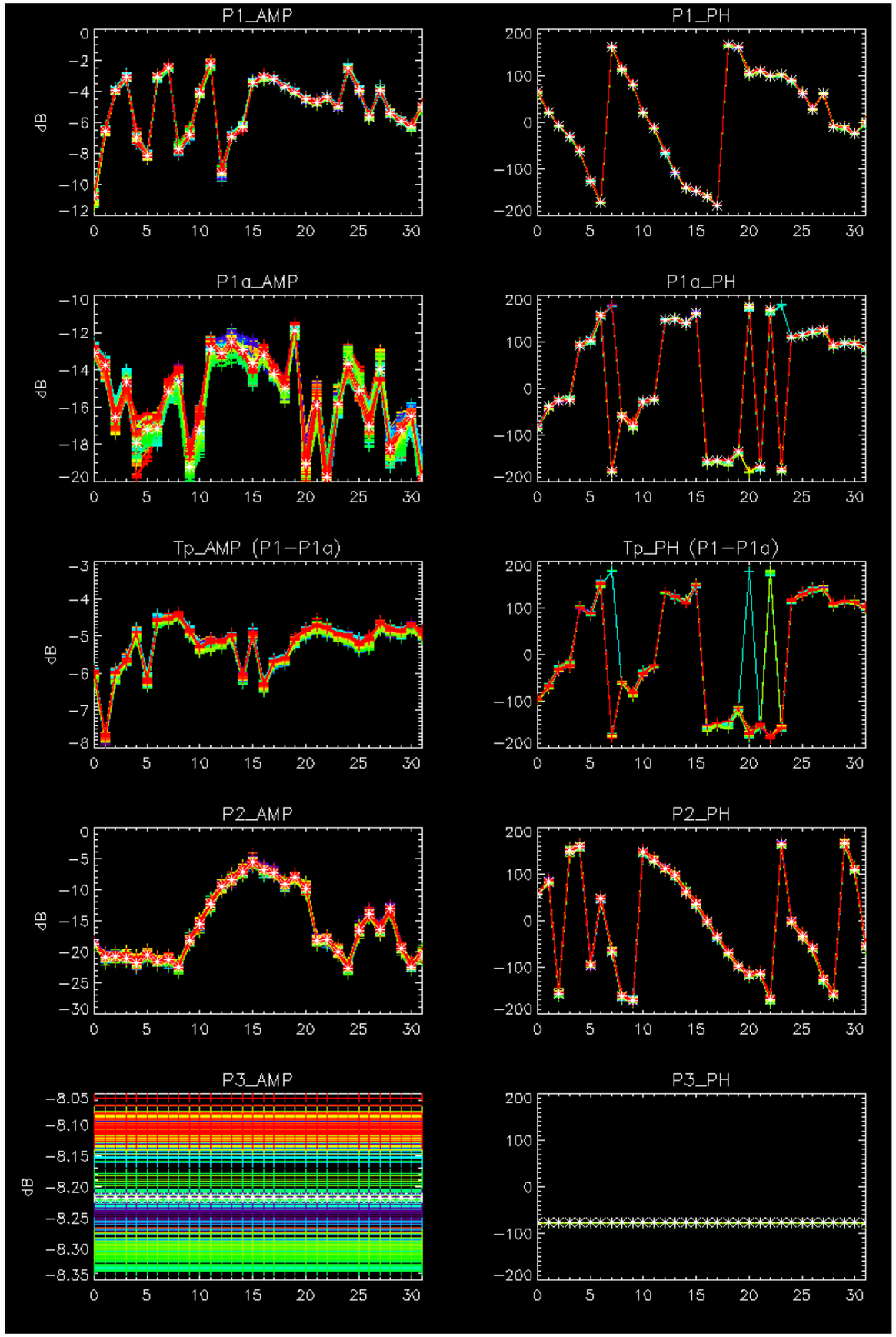

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
28−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
28−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
28−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
28−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


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

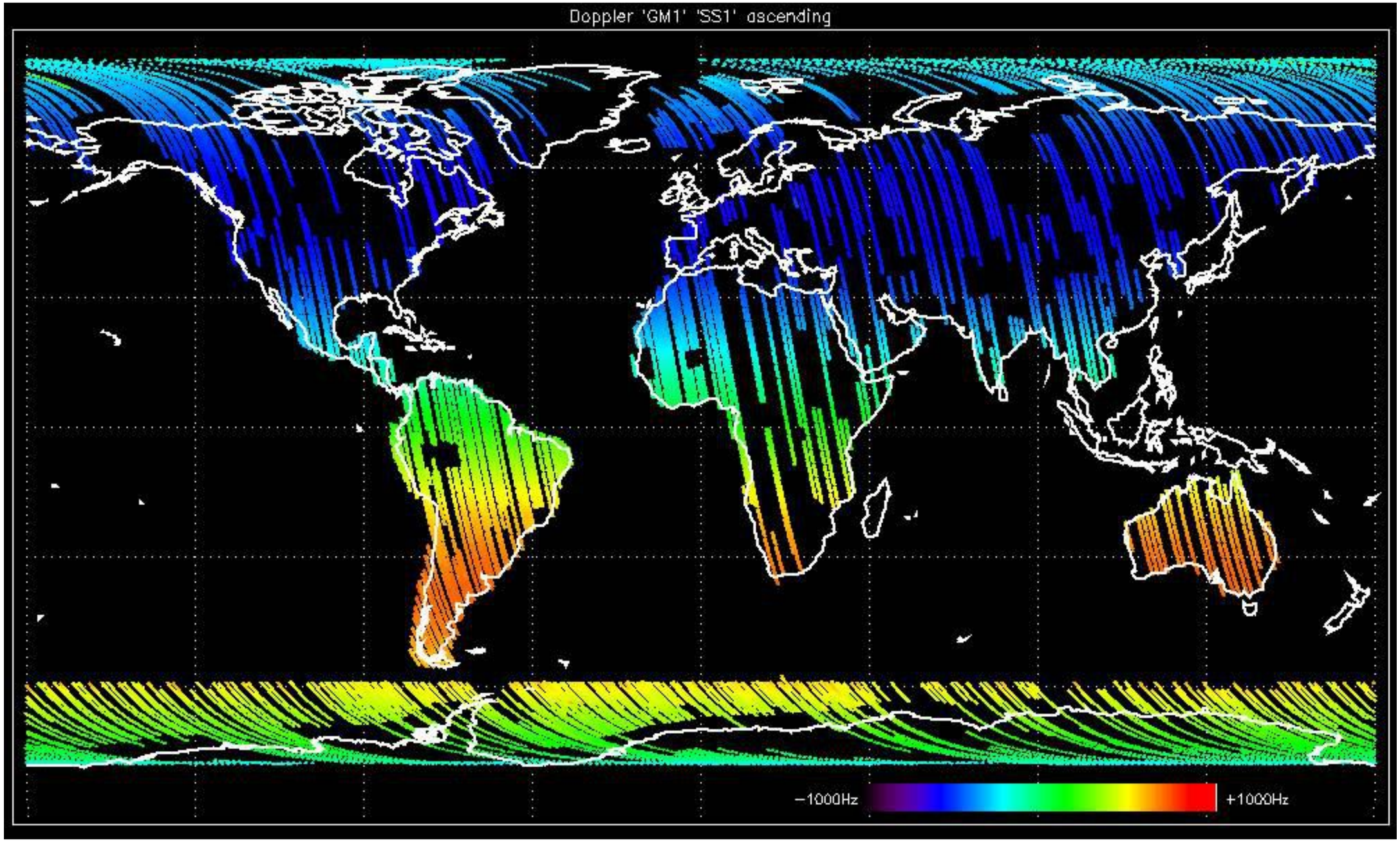
No anomalies observed.

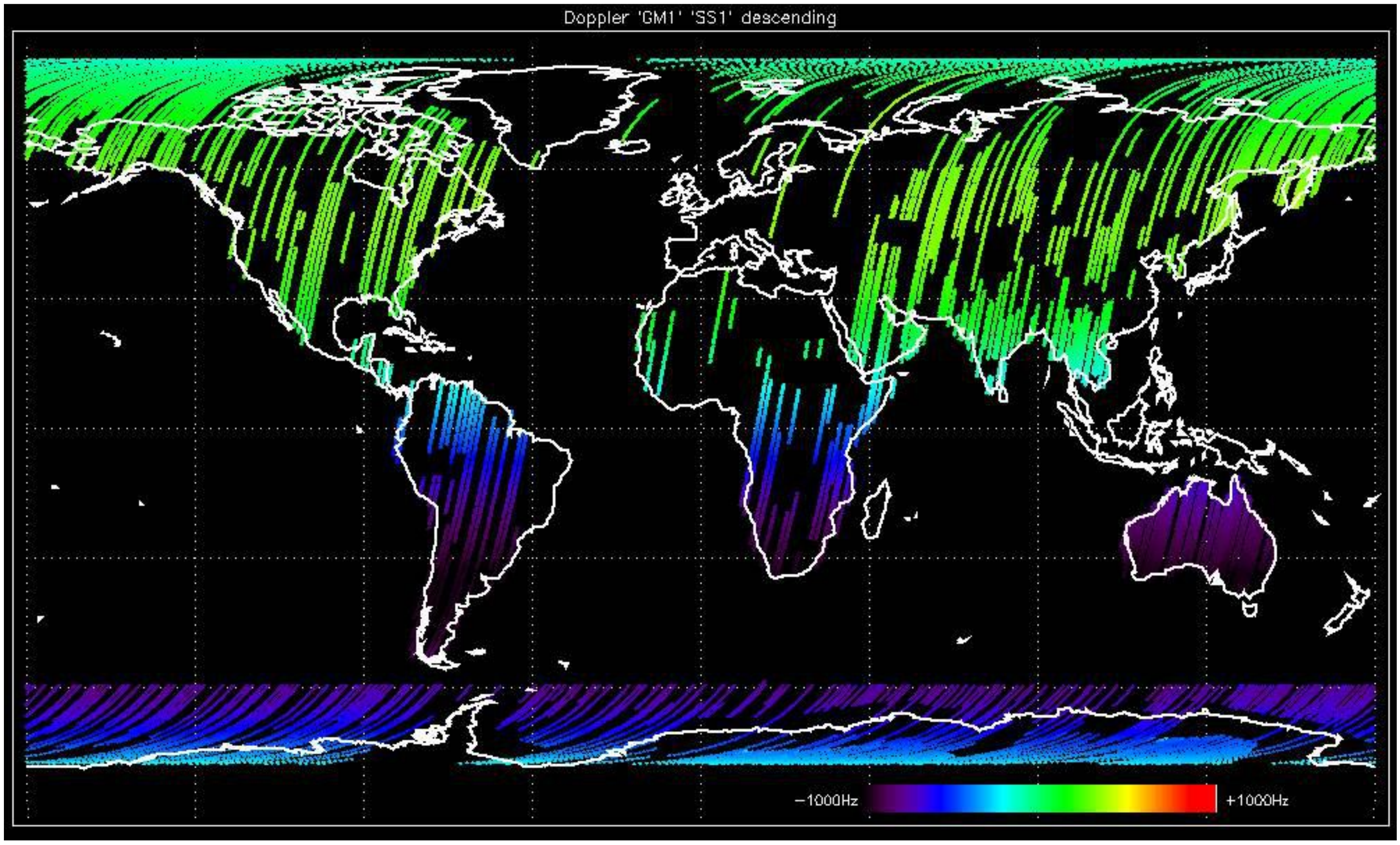

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

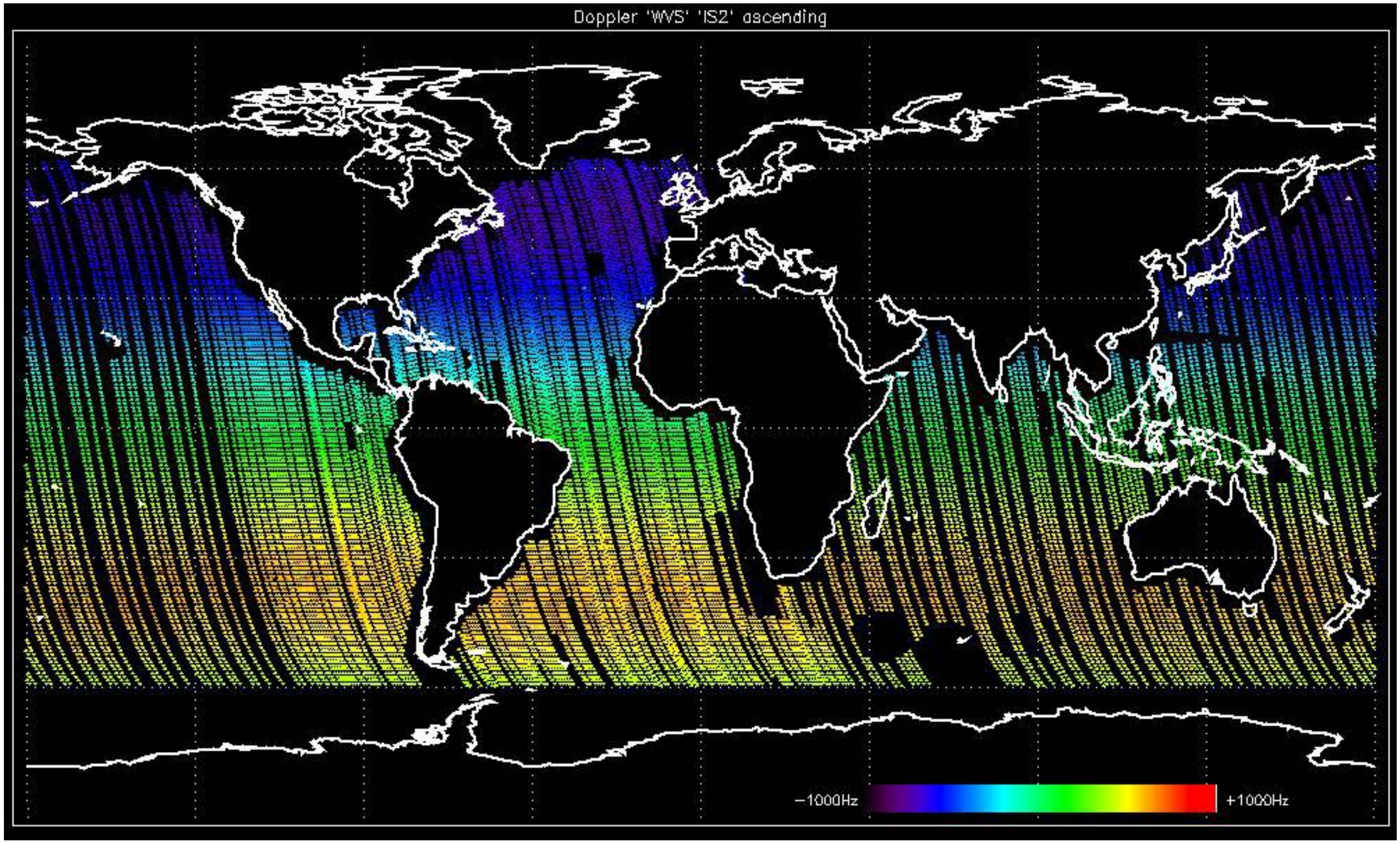

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

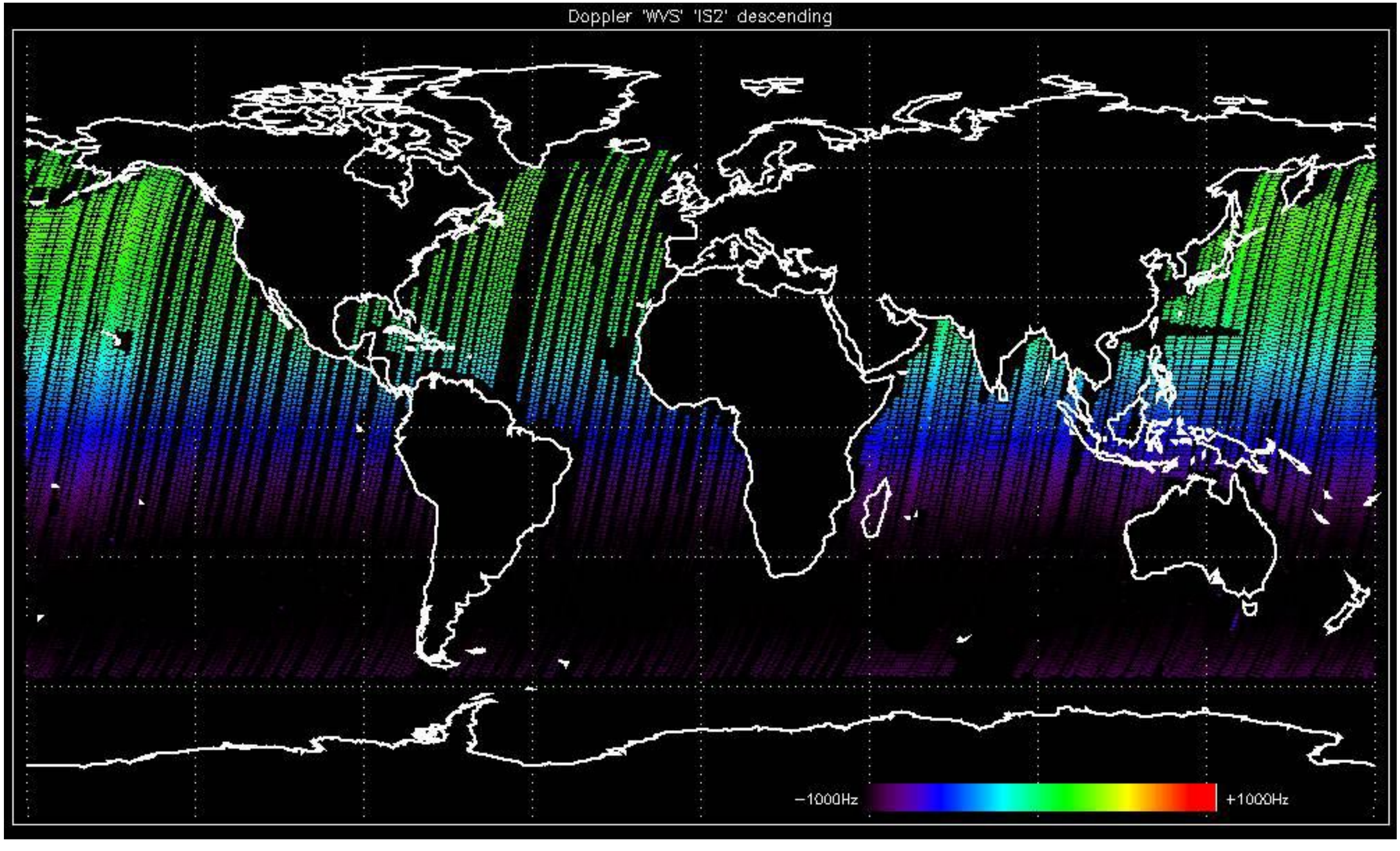
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

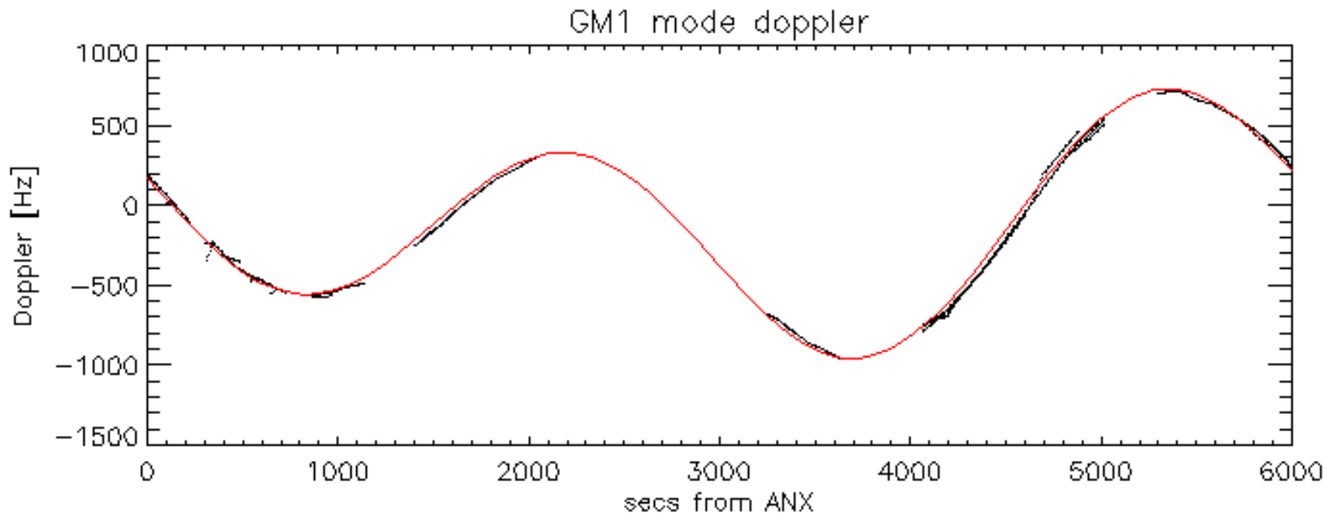
Preliminary report.The data is not yet controled

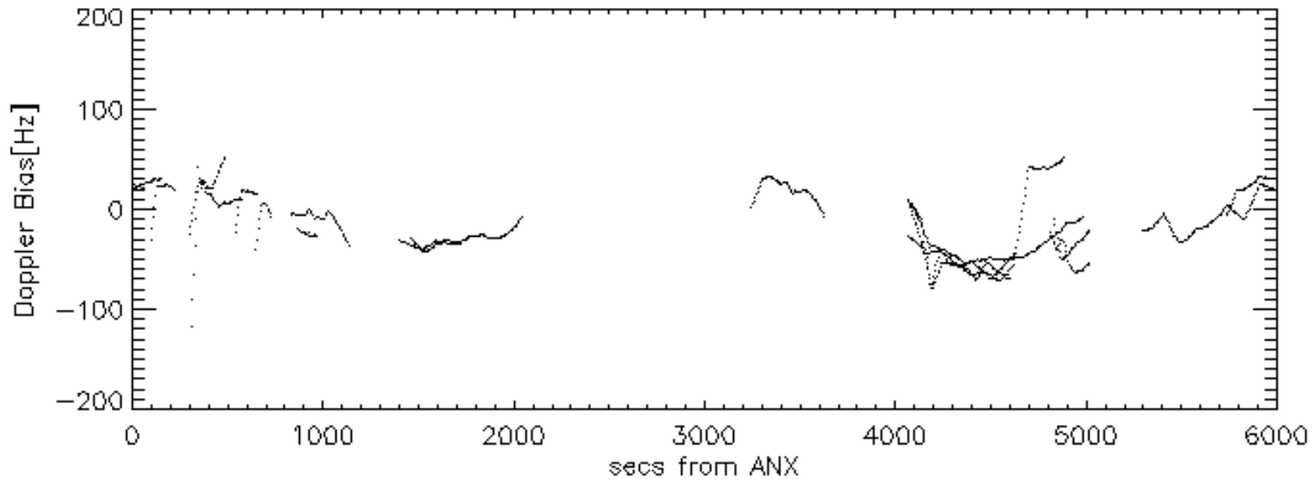

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

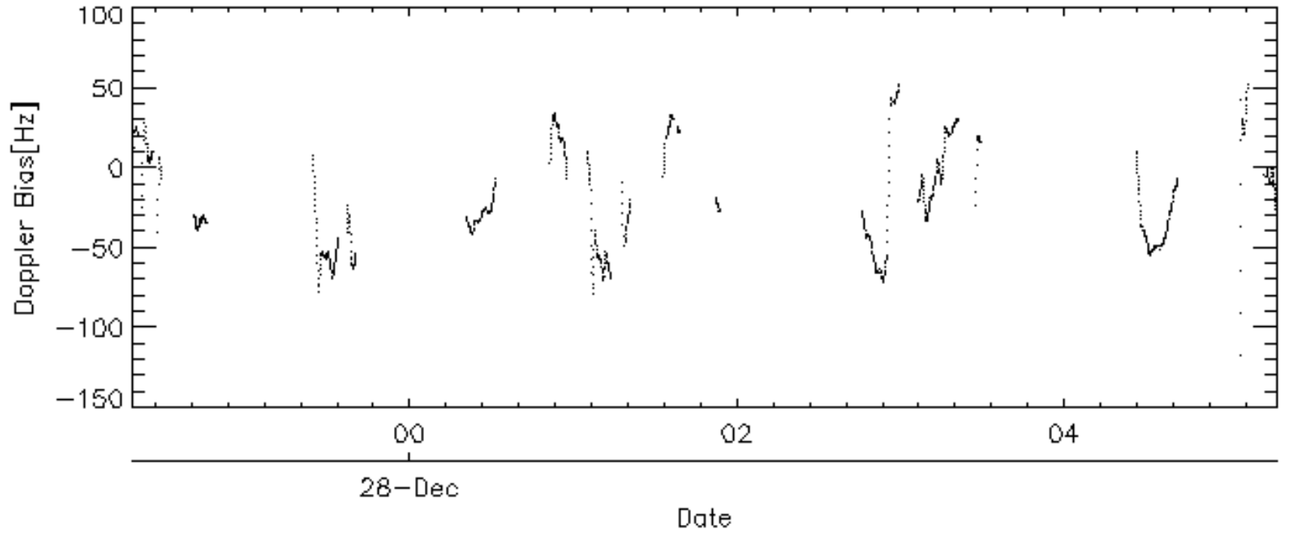

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

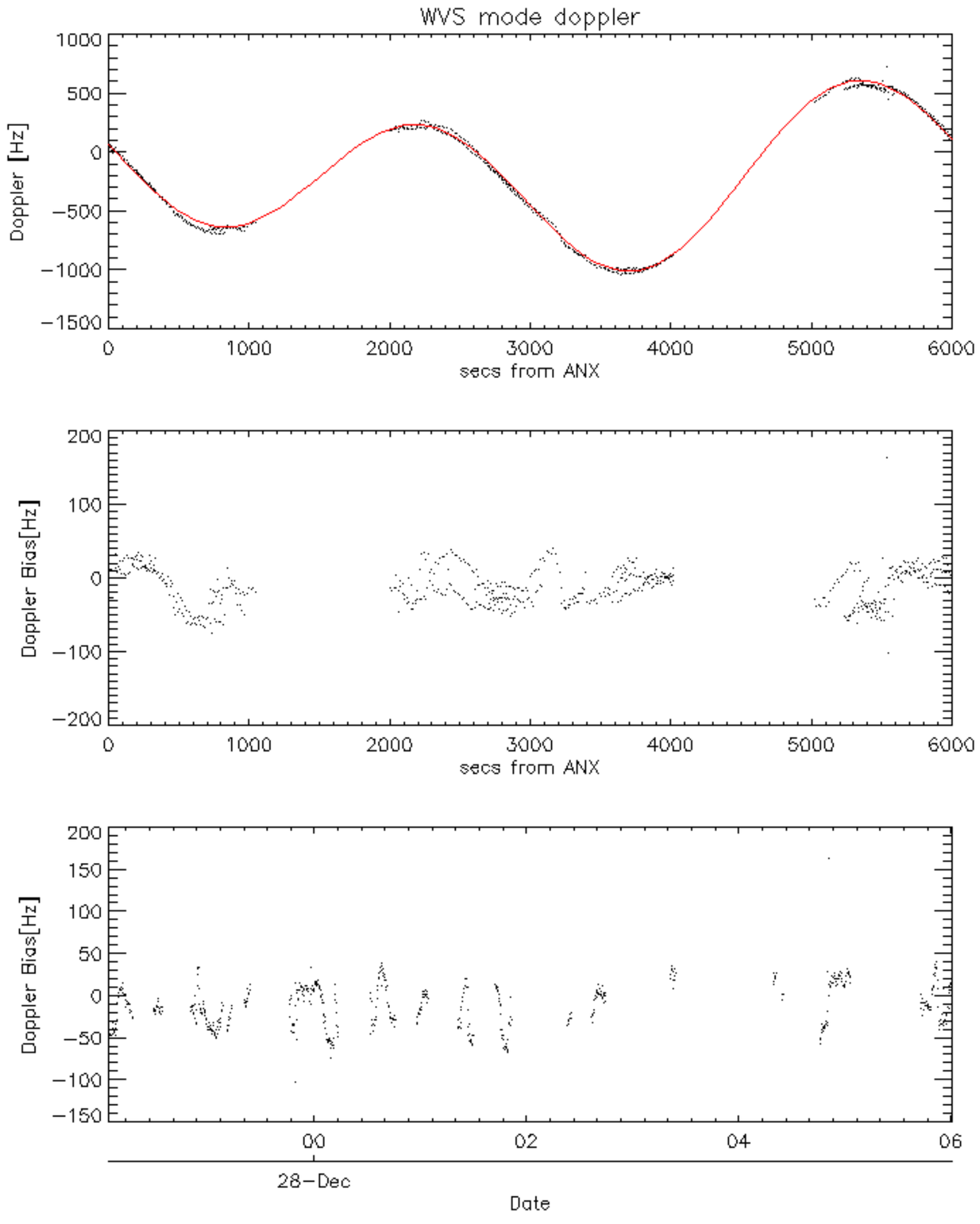

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

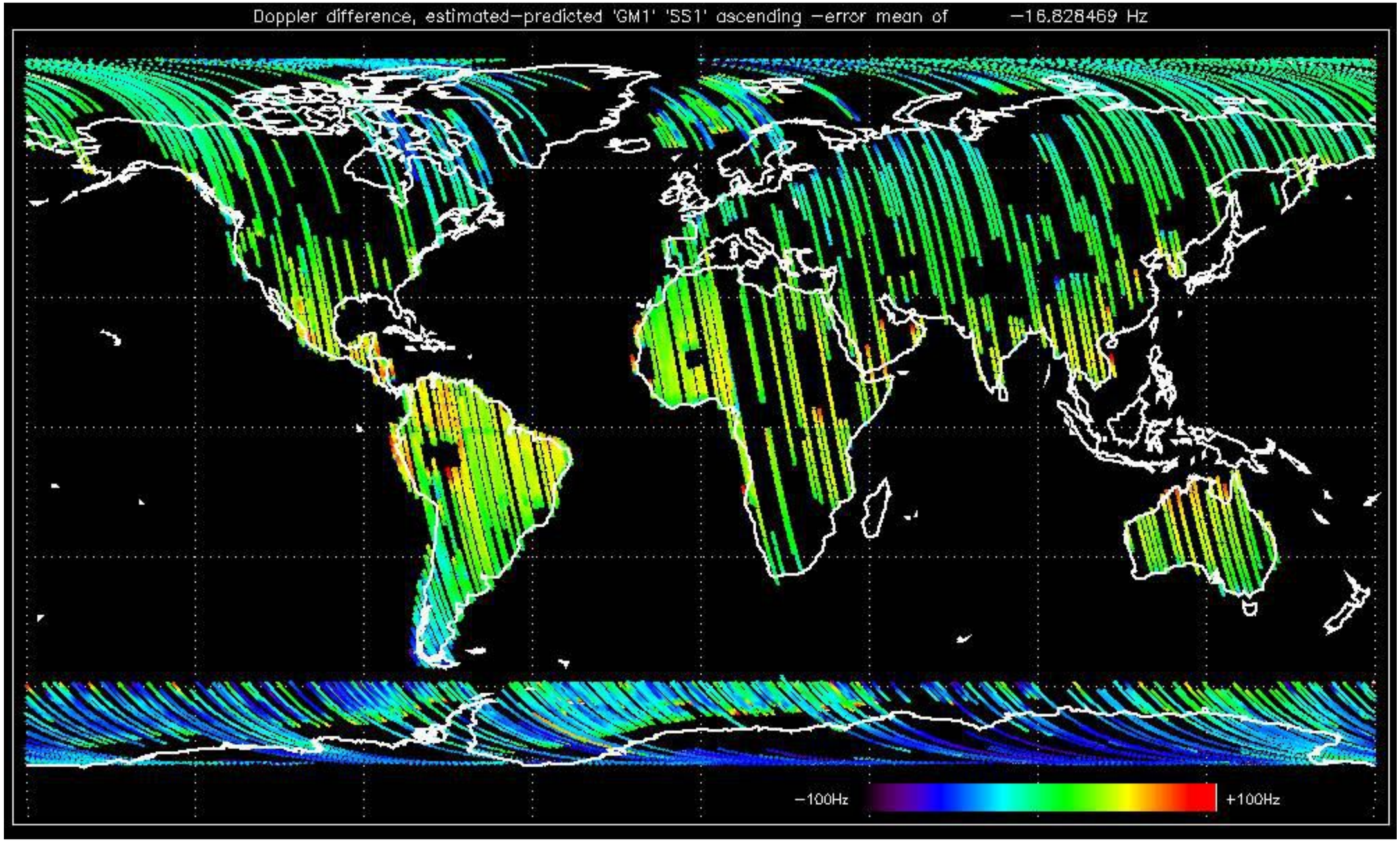

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

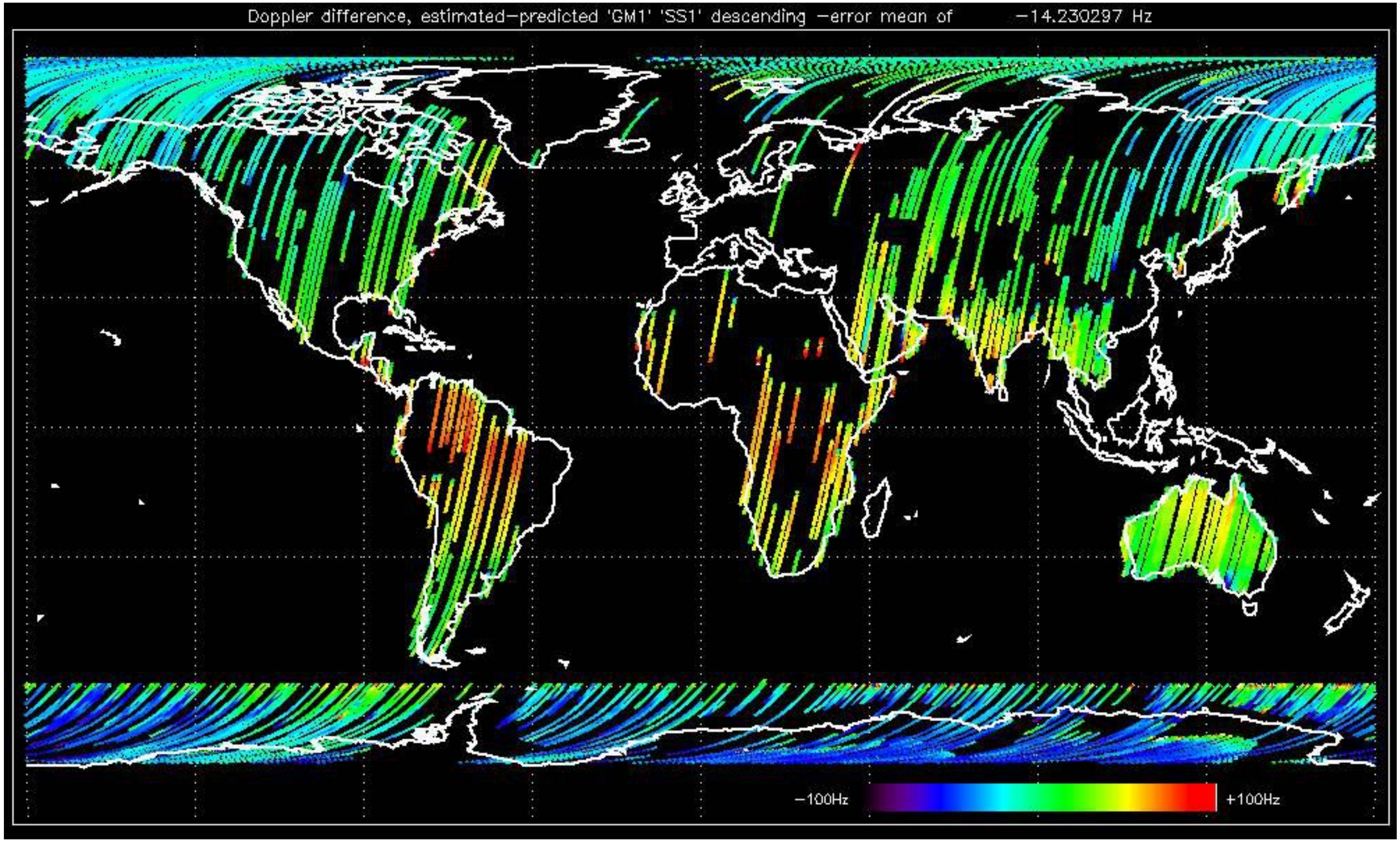

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

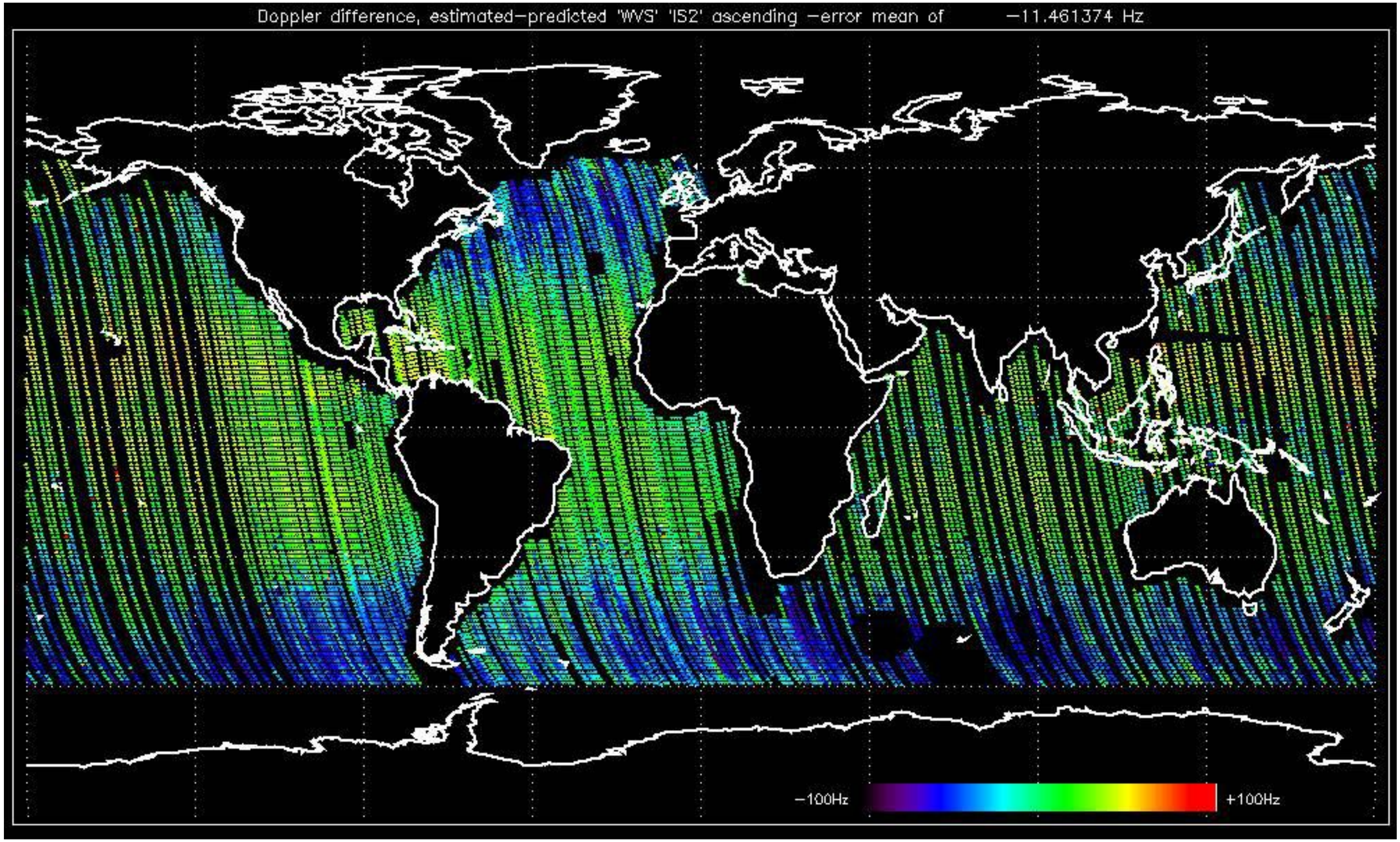

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

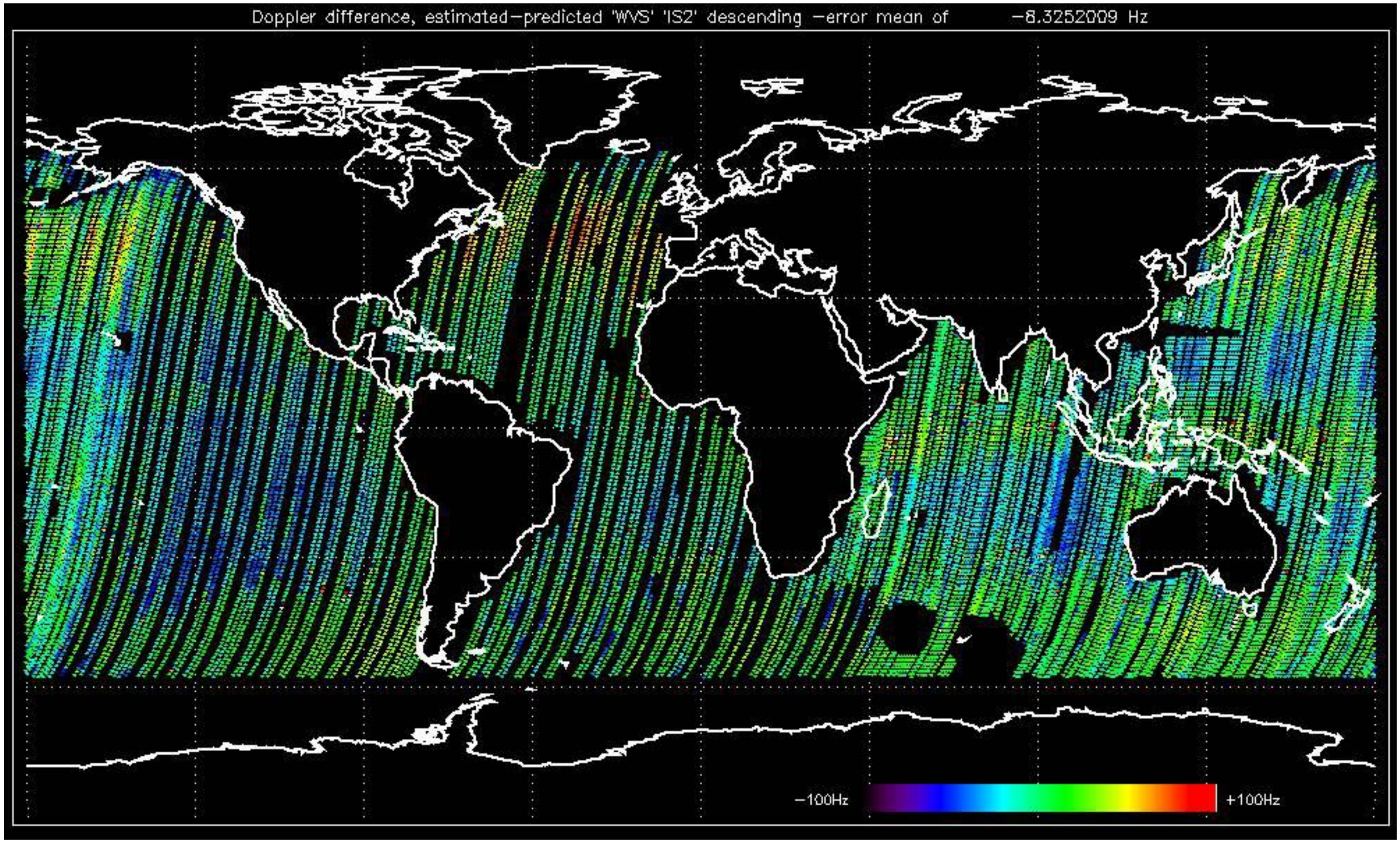

Doppler Bias[Hz]
100
50
0
−50
−100
−150
00
02
04
28−Dec
Date


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]
200
150
100
50
0
−50
−100
−150
00
02
04
06
28−Dec
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −16.828469 Hz
−100Hz
+100Hz

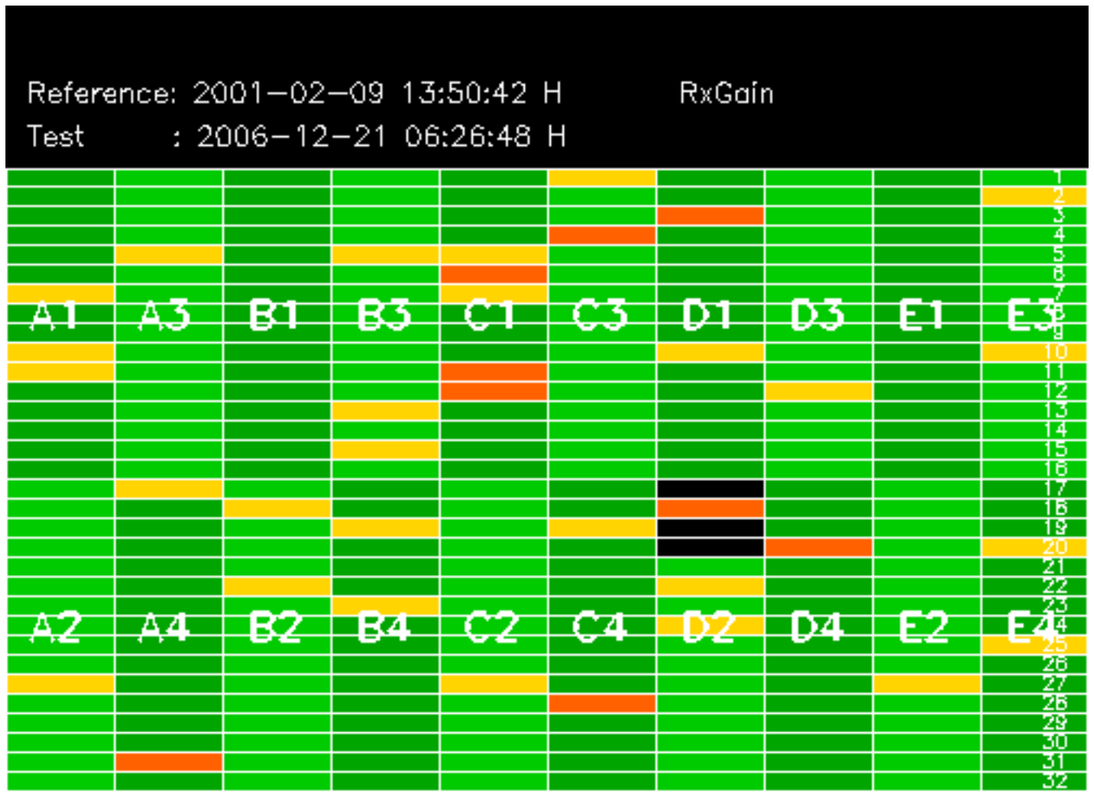

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −14.230297 Hz
−100Hz
+100Hz

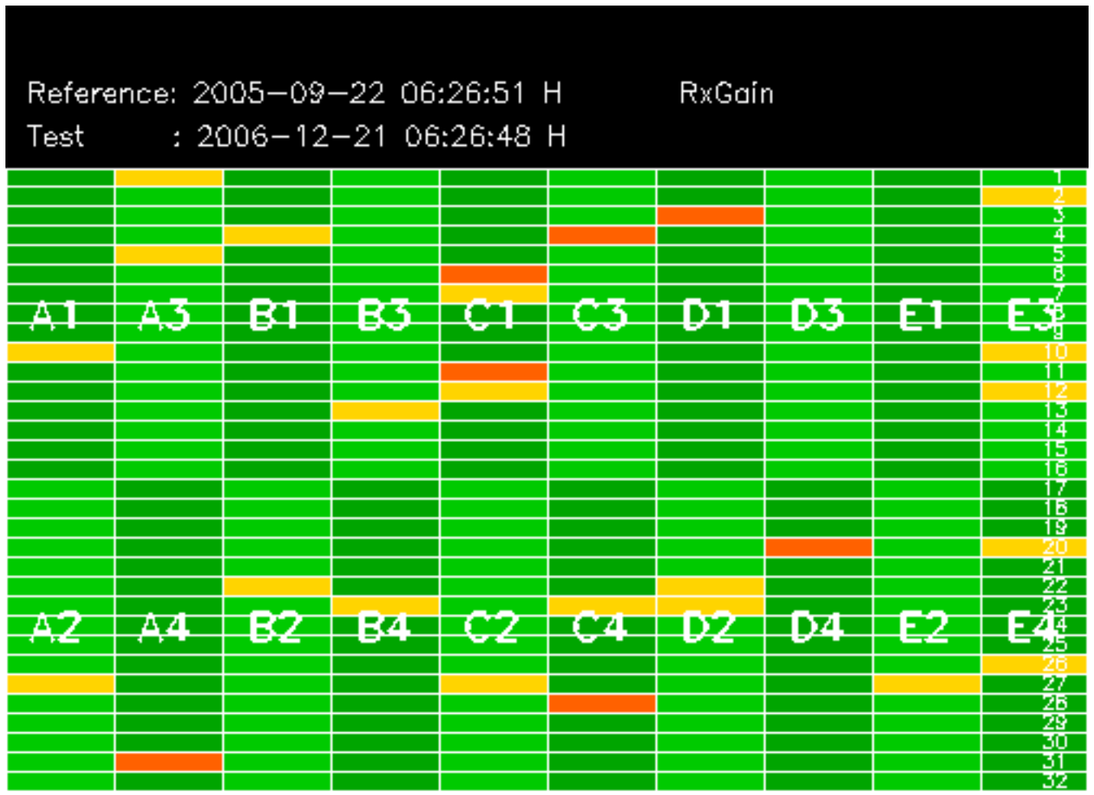

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −11.461374 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −8.3252009 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-21 06:26:48 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 : 2006-12-21 06:26:48 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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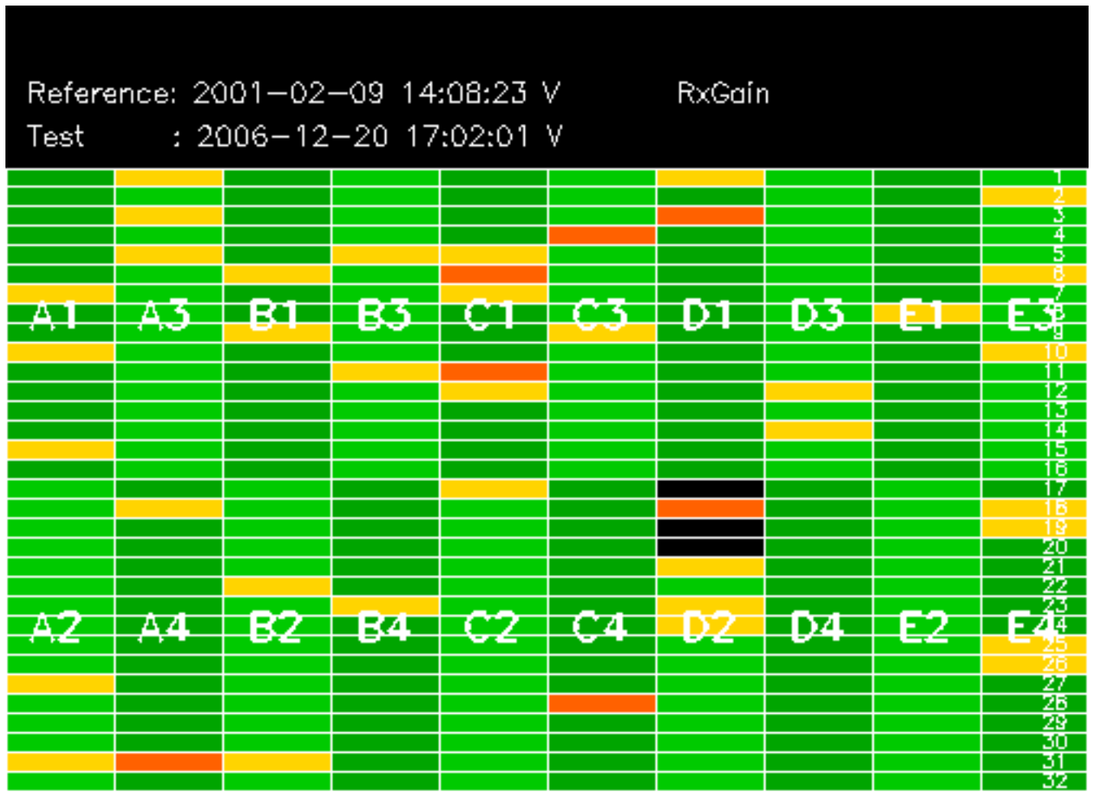
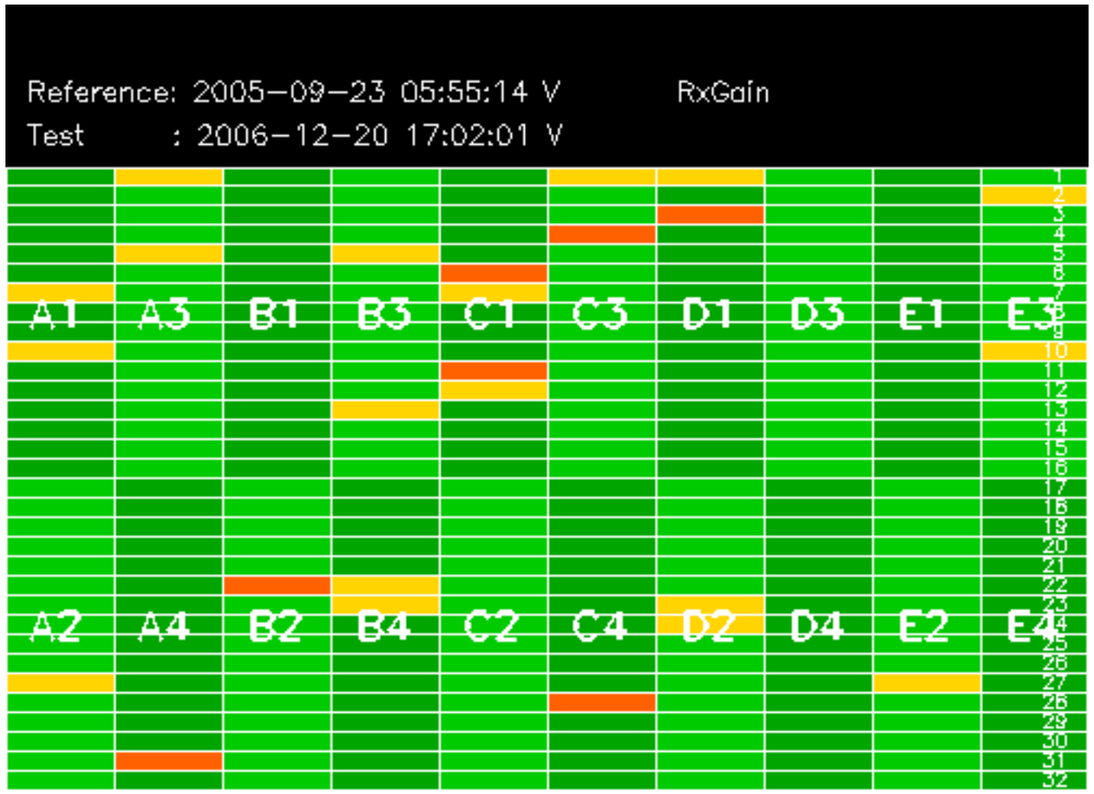

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-20 17:02:01 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-20 17:02:01 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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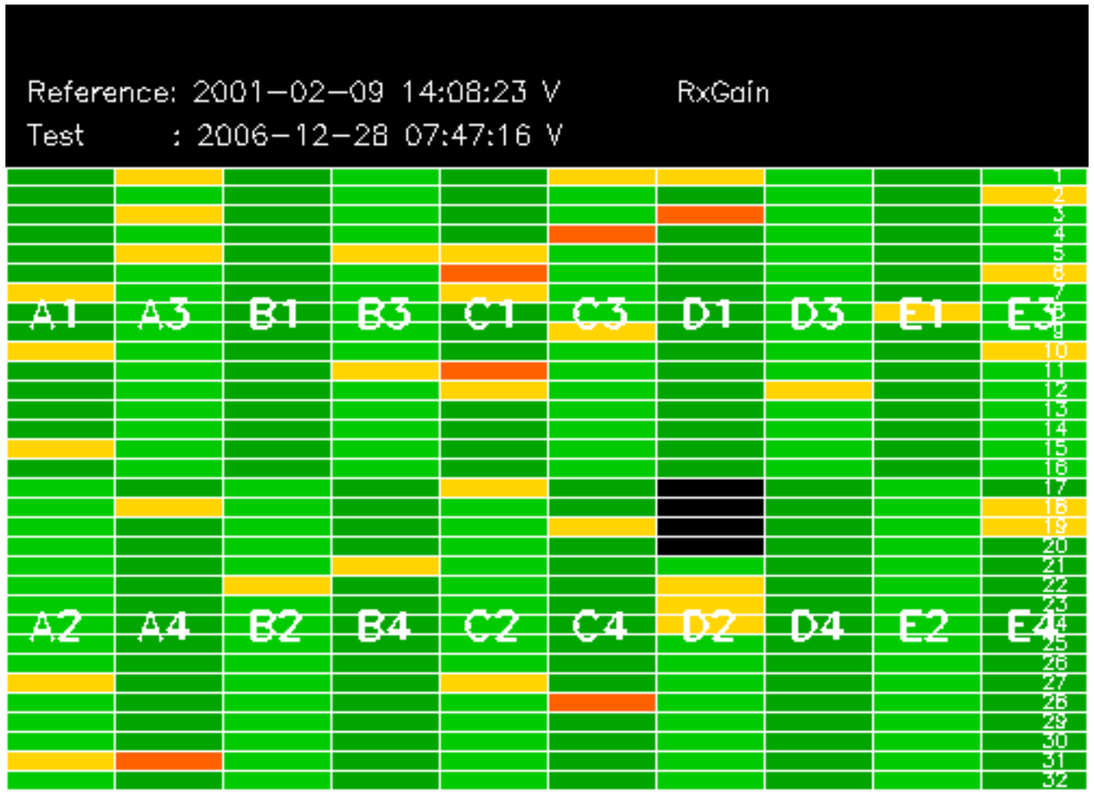
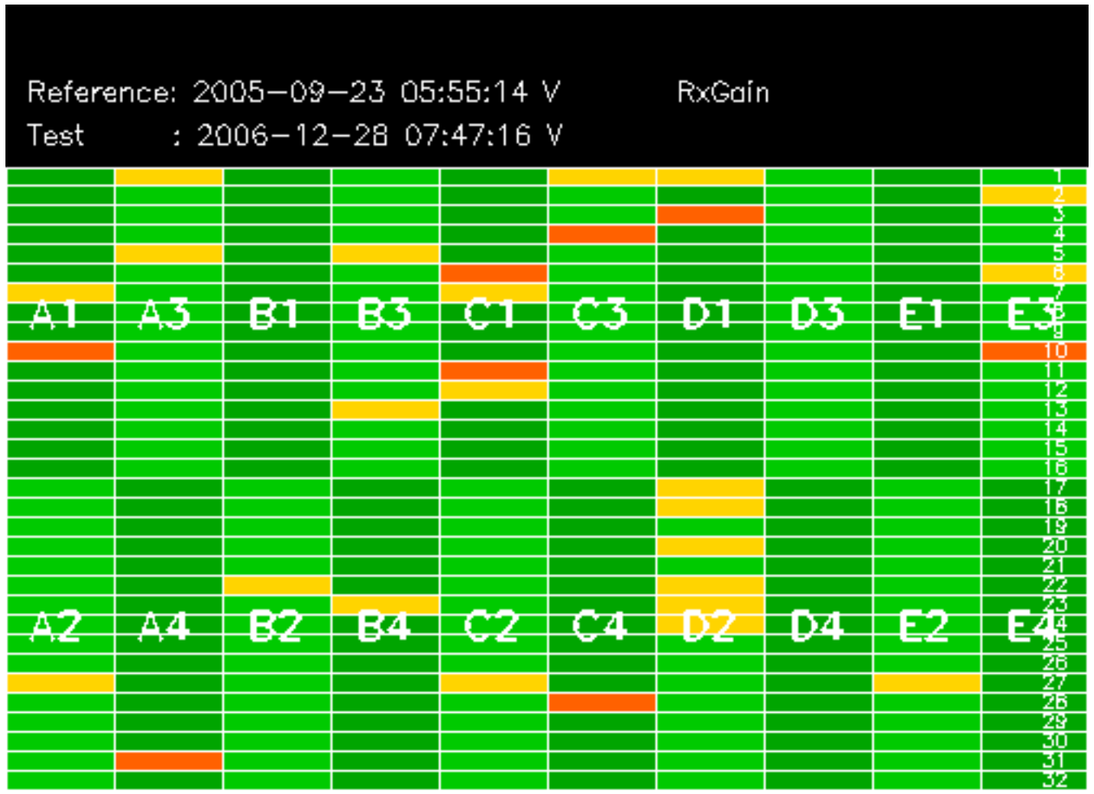

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-28 07:47:16 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-28 07:47:16 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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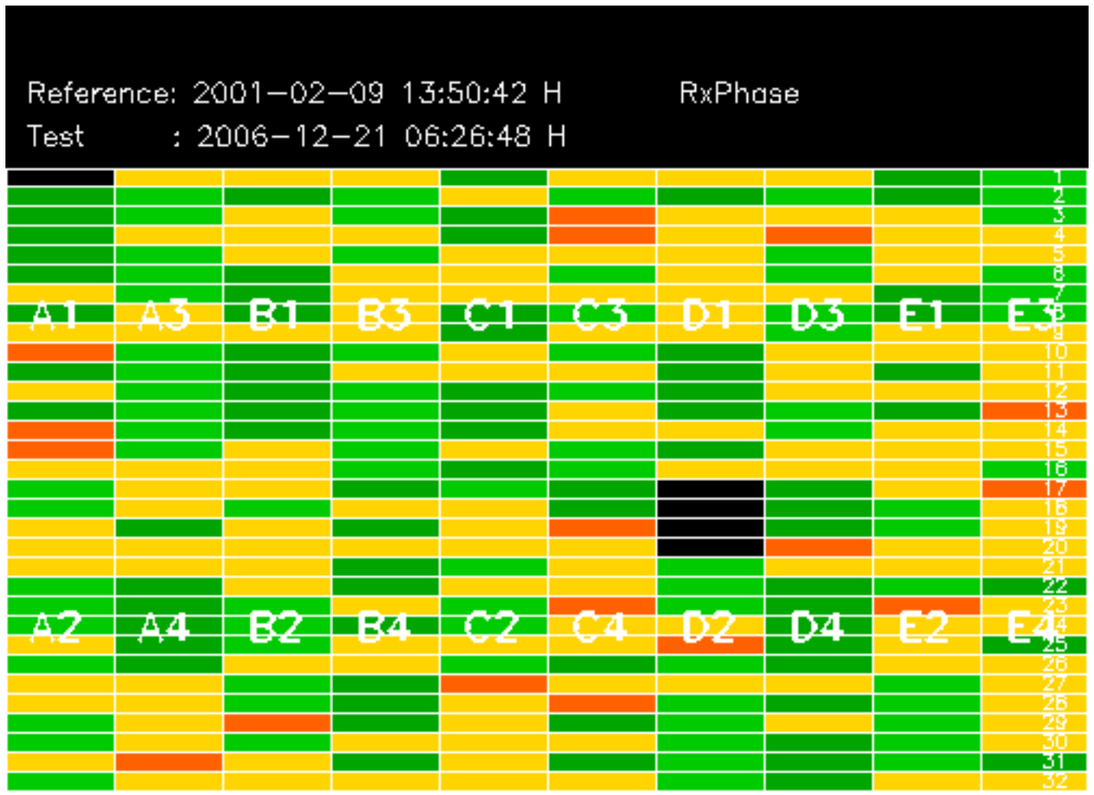
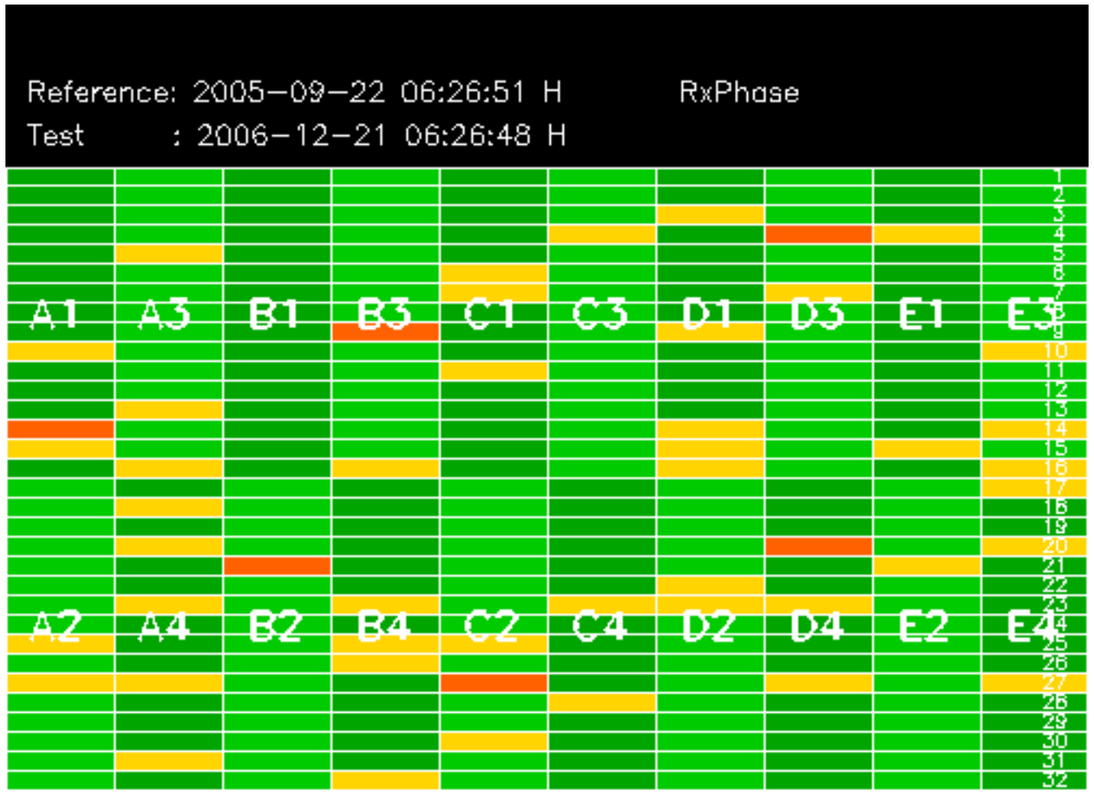

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-12-21 06:26:48 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2006-12-21 06:26:48 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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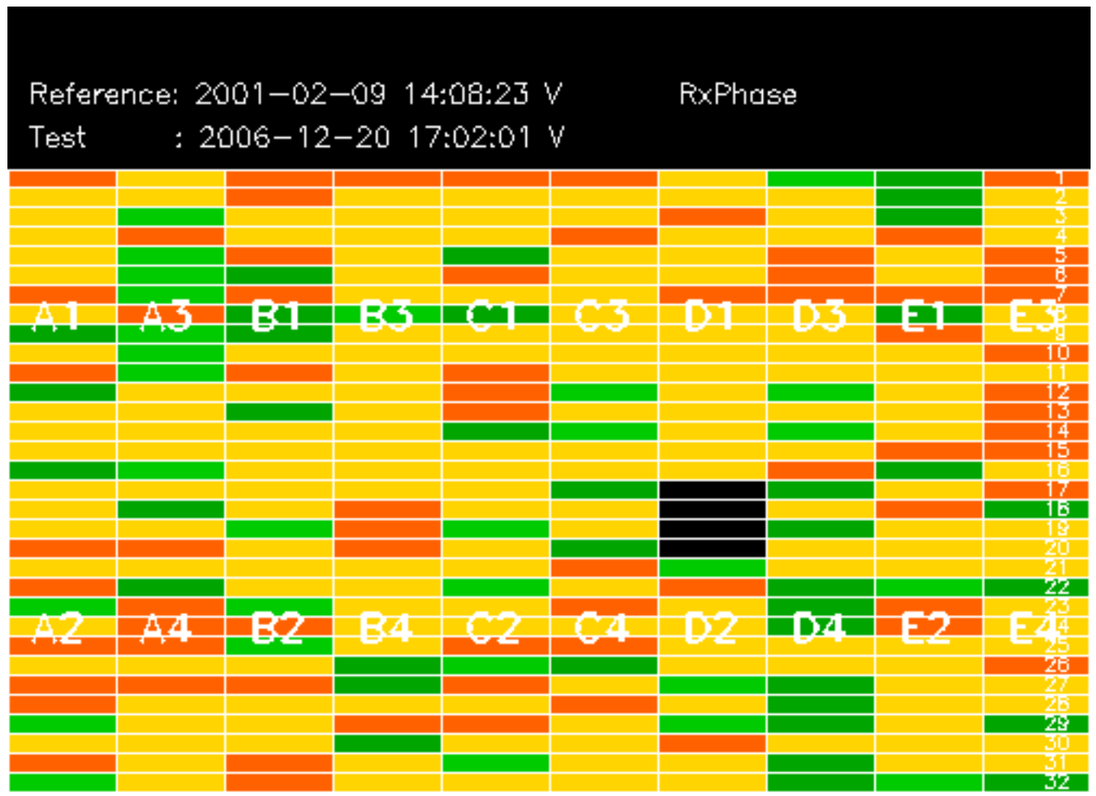
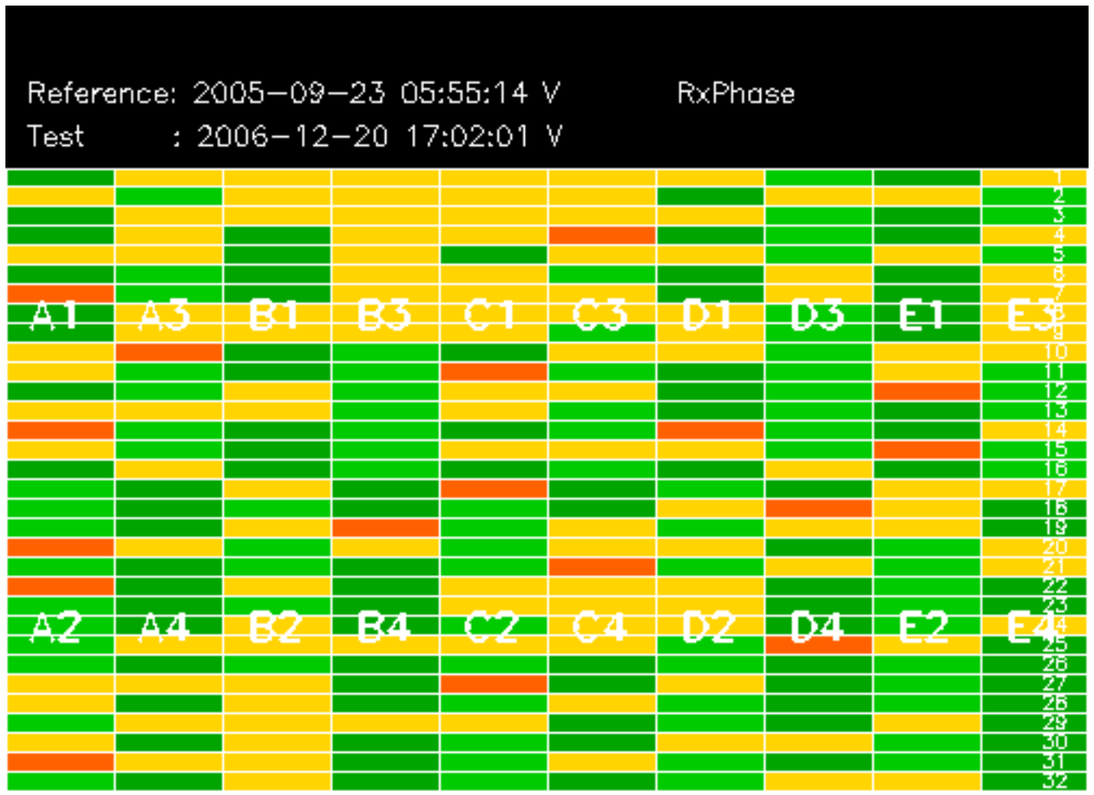
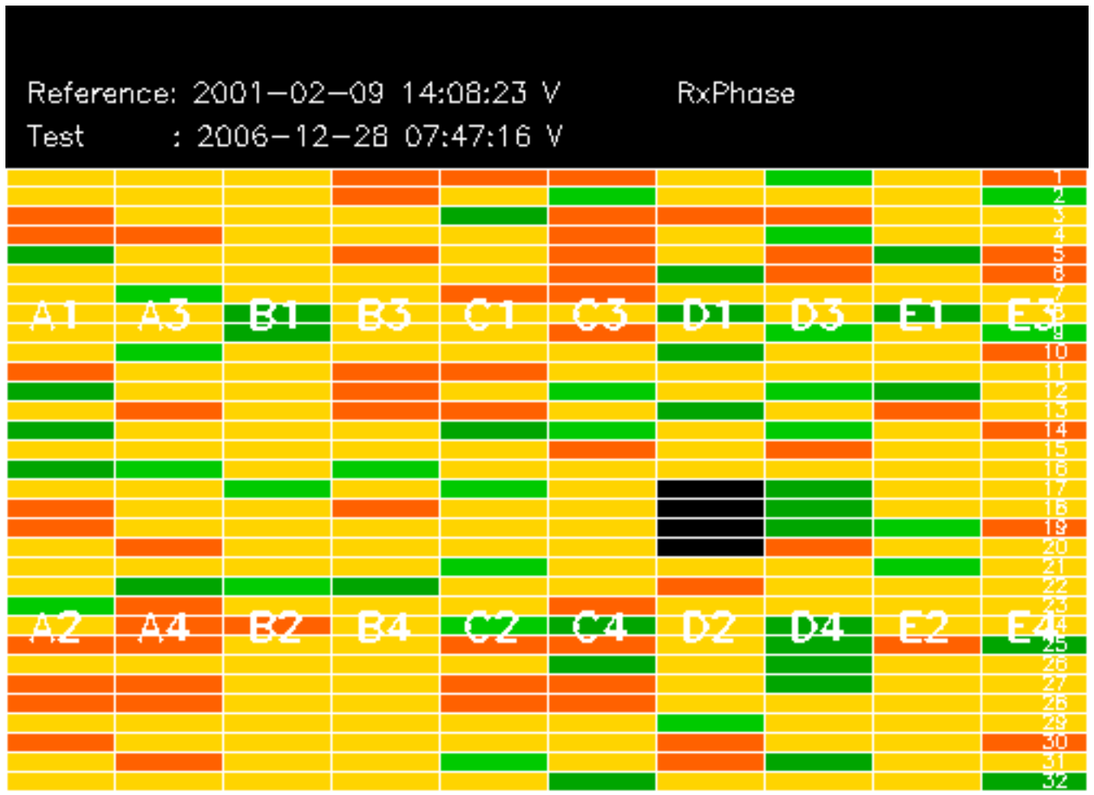
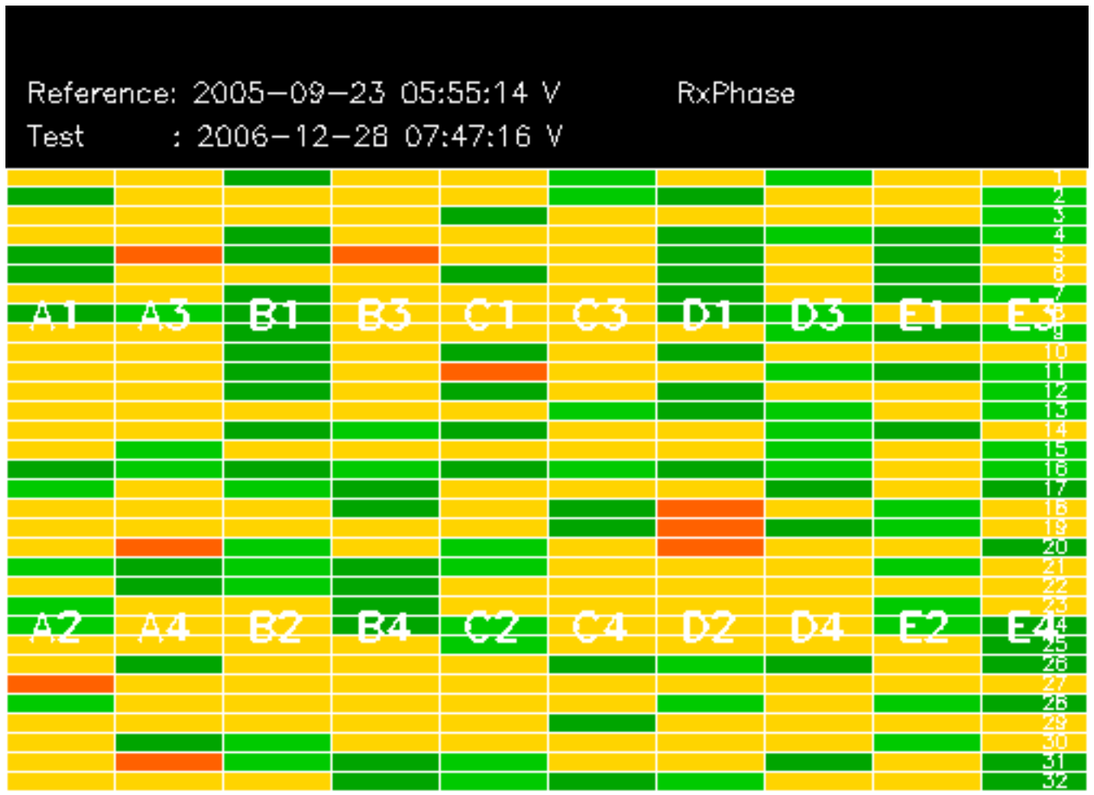

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-20 17:02:01 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-20 17:02:01 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
Test : 2006-12-28 07:47:16 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 : 2006-12-28 07:47:16 V
RxPhase
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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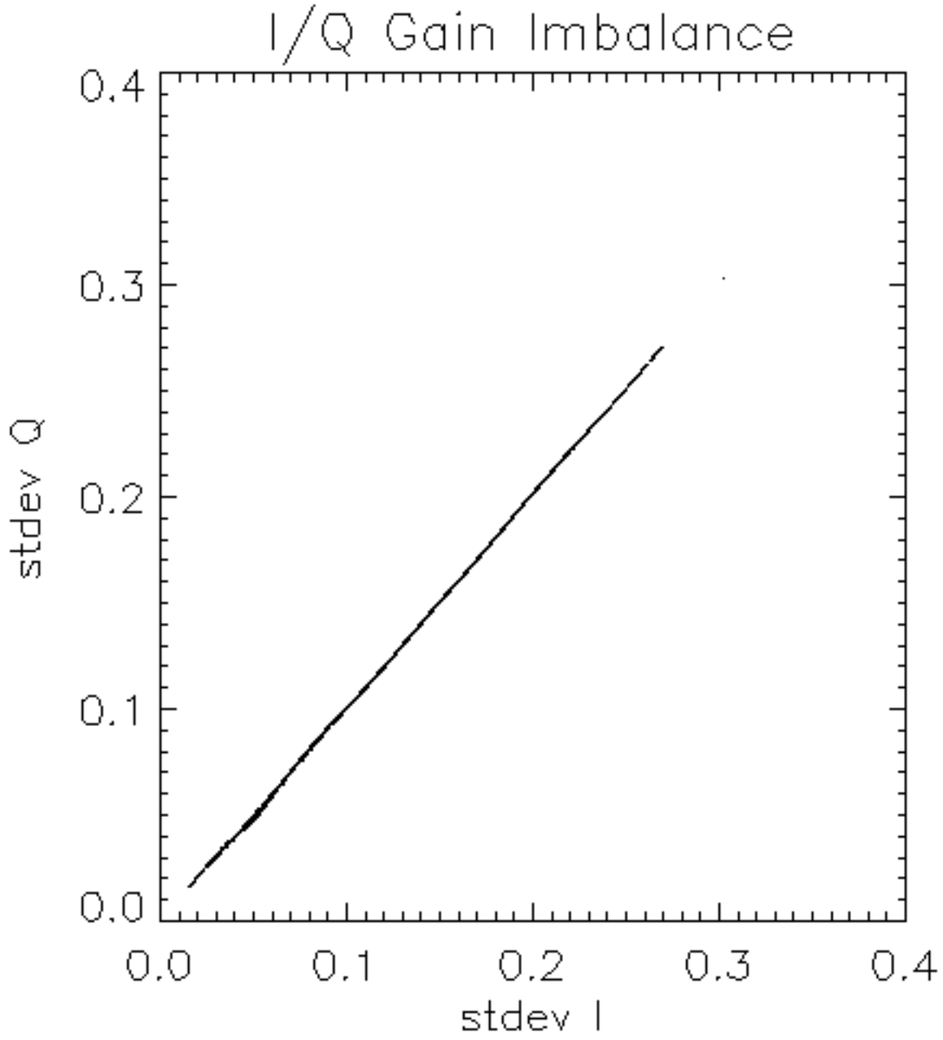
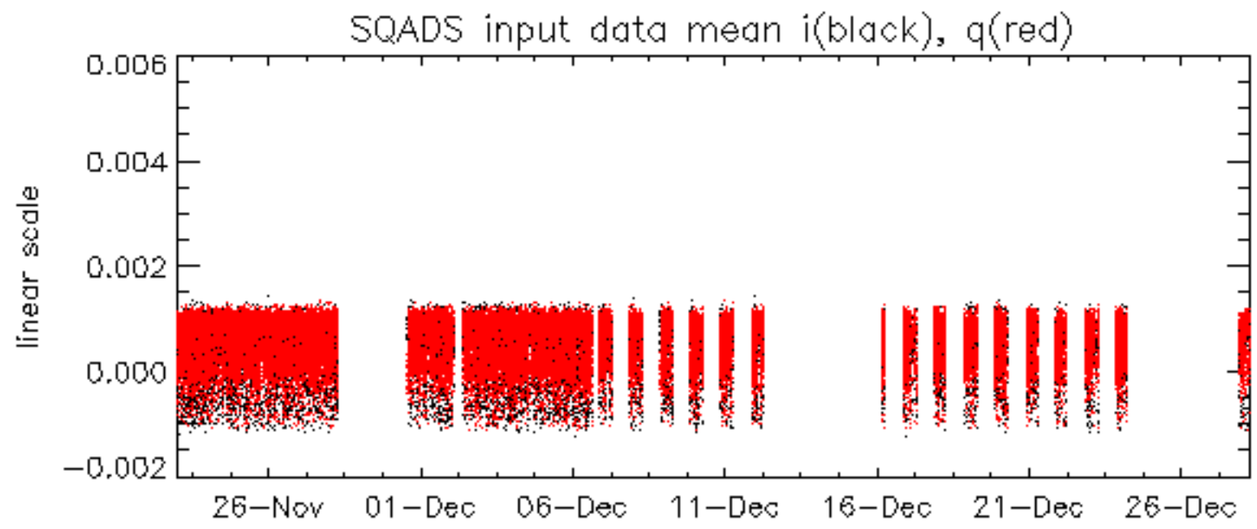
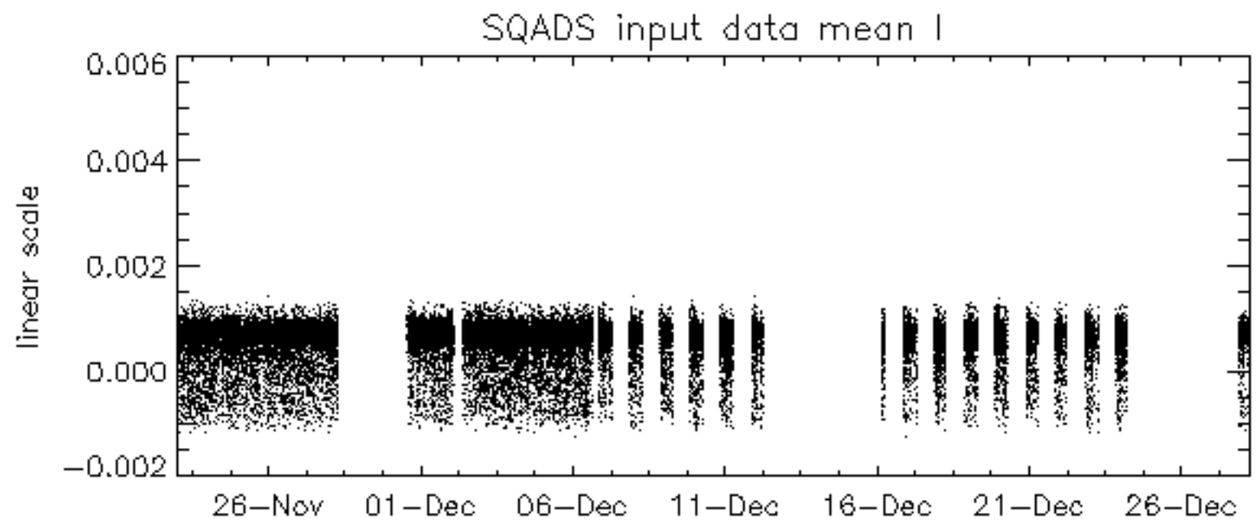
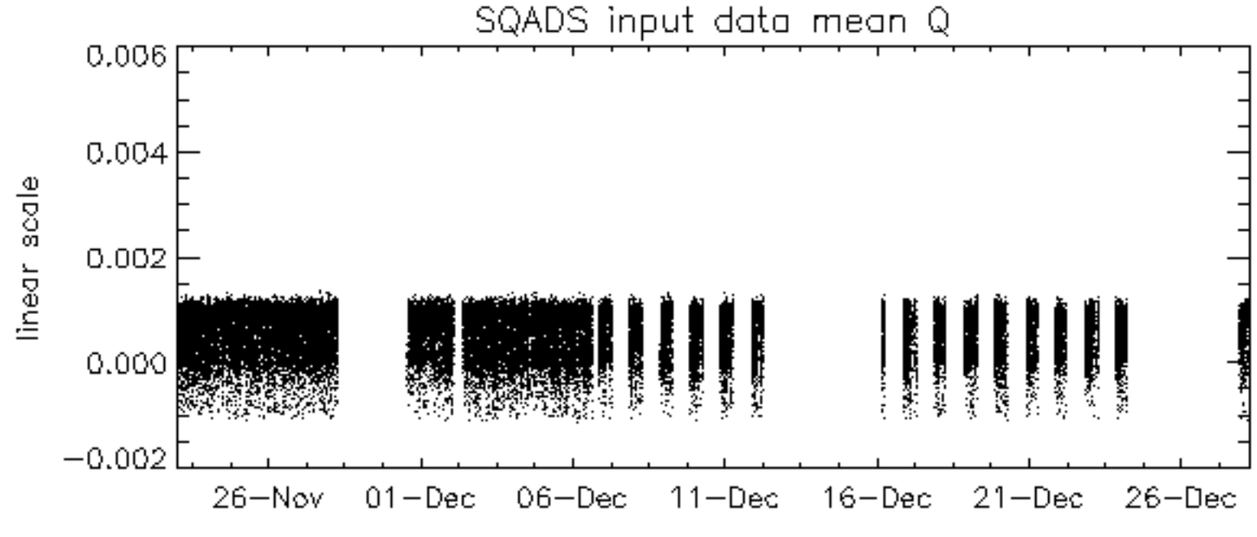
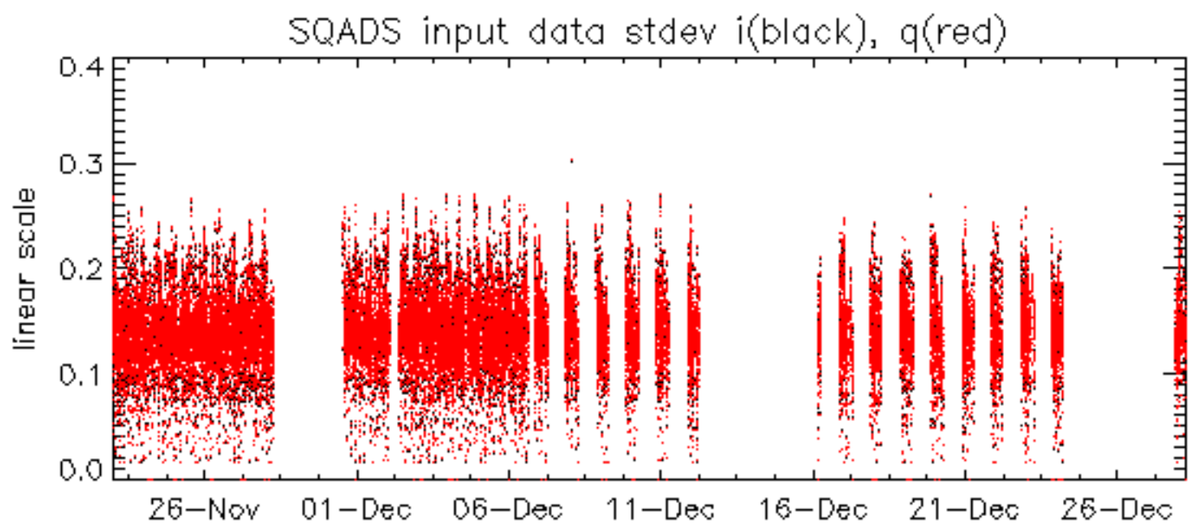
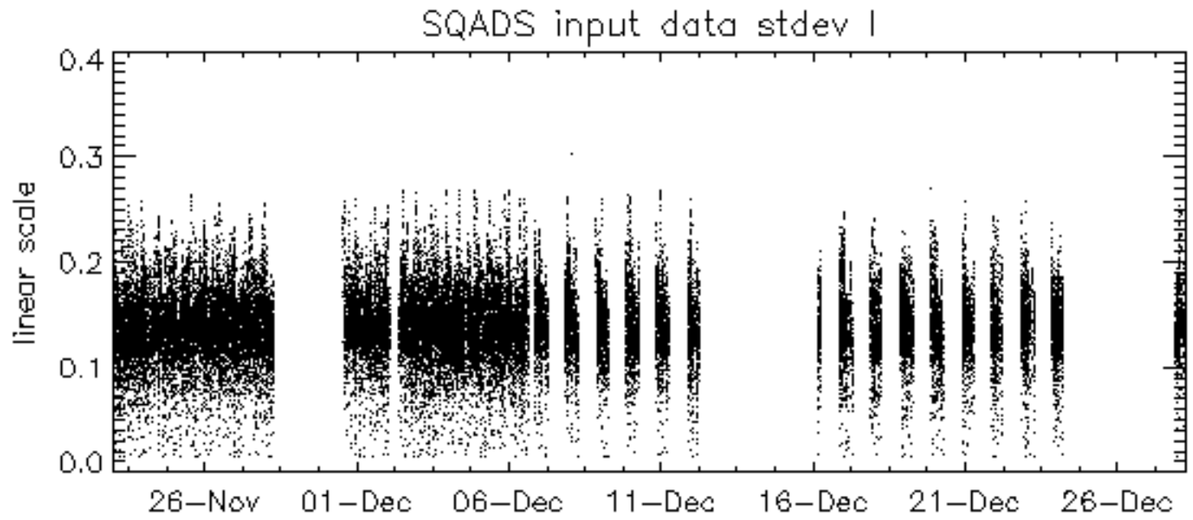

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

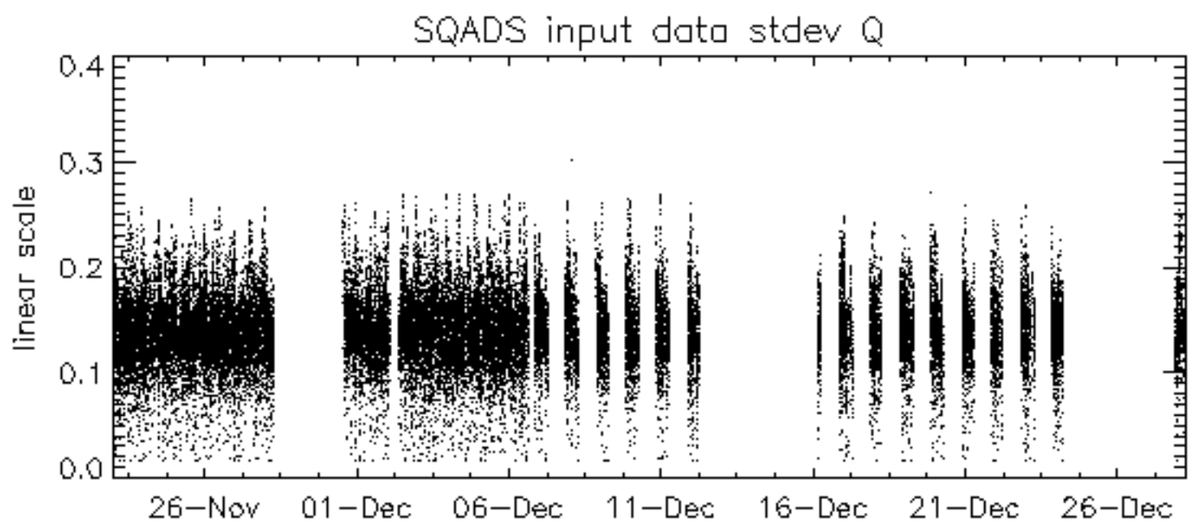

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec

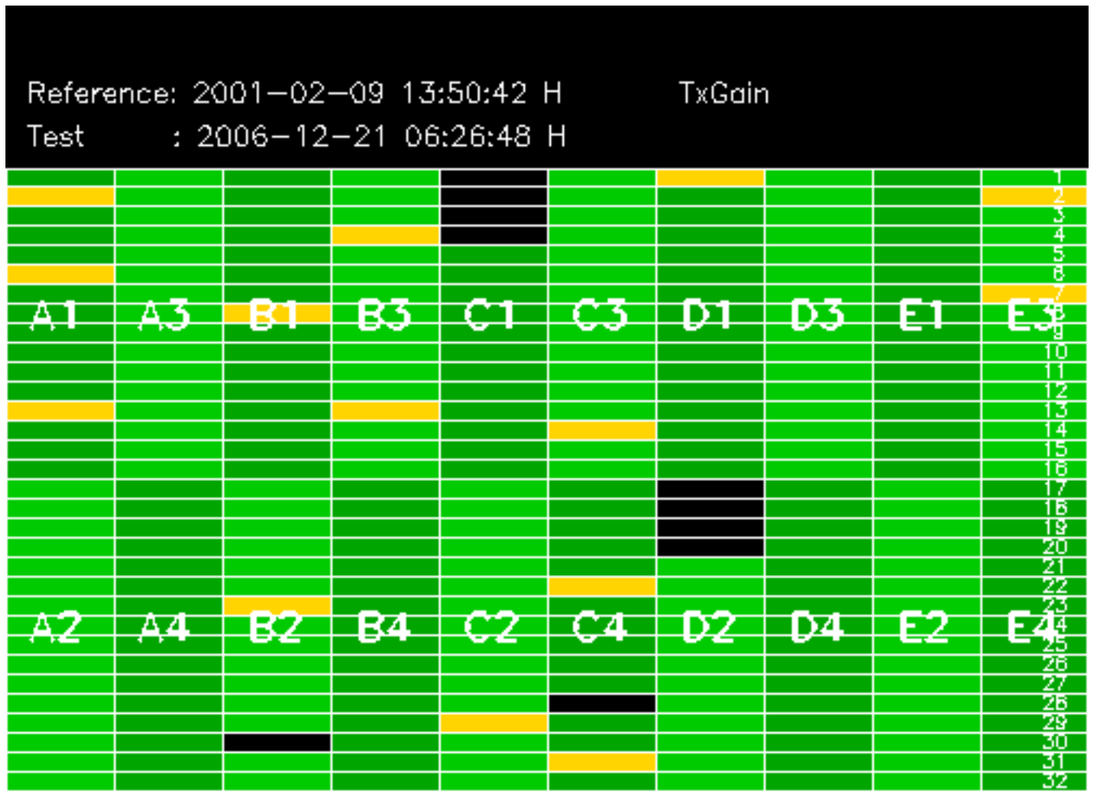

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec

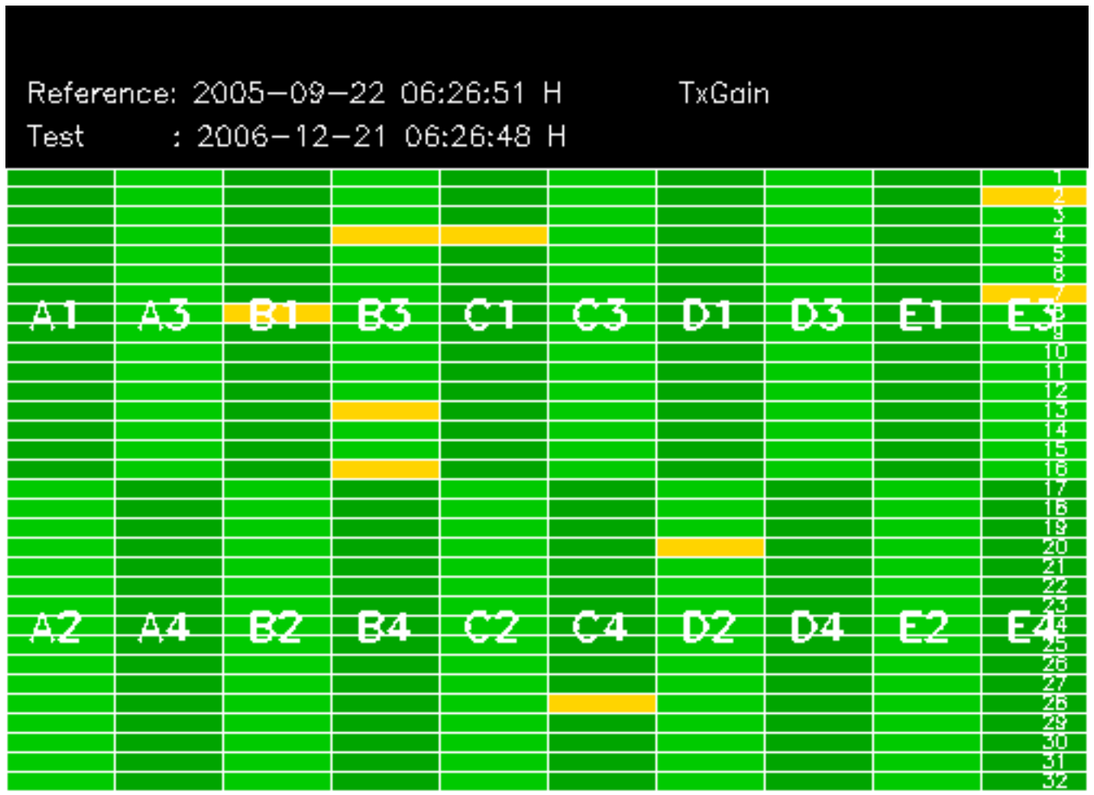

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-21 06:26:48 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 : 2006-12-21 06:26:48 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
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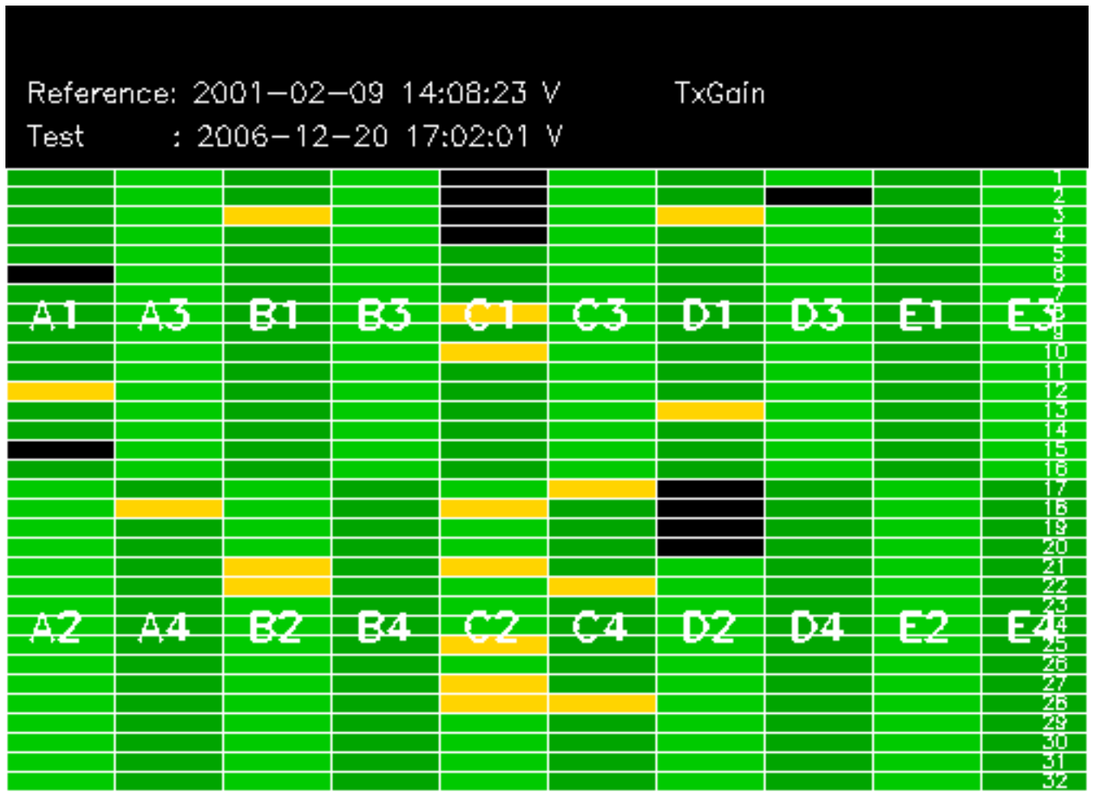
Reference: 2001-02-09 14:08:23 V
Test : 2006-12-20 17:02:01 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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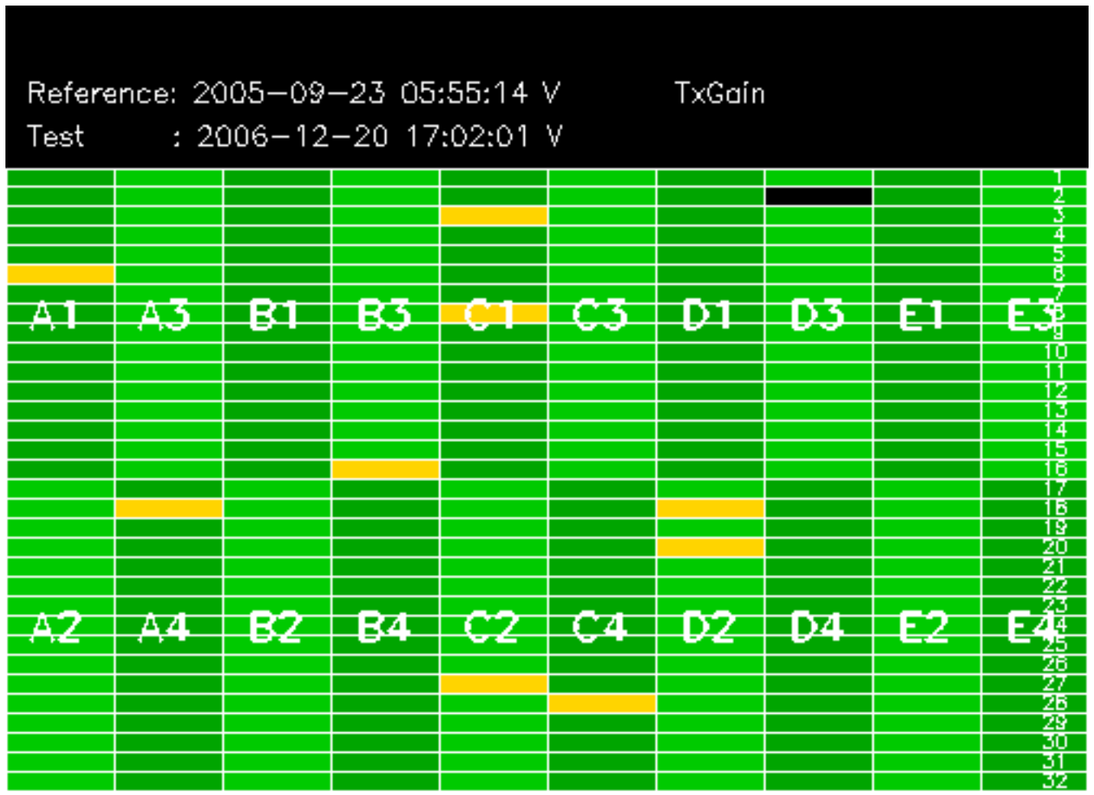
Reference: 2005-09-23 05:55:14 V
Test : 2006-12-20 17:02:01 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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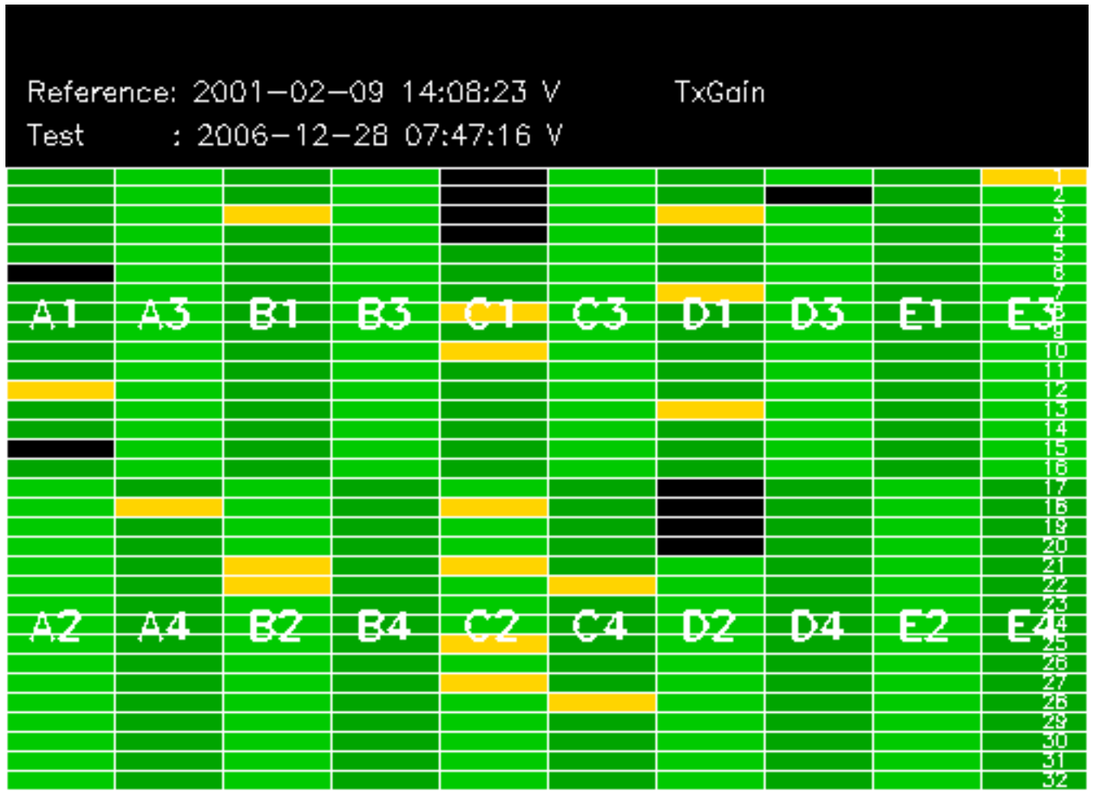
Reference: 2001-02-09 14:08:23 V
Test : 2006-12-28 07:47:16 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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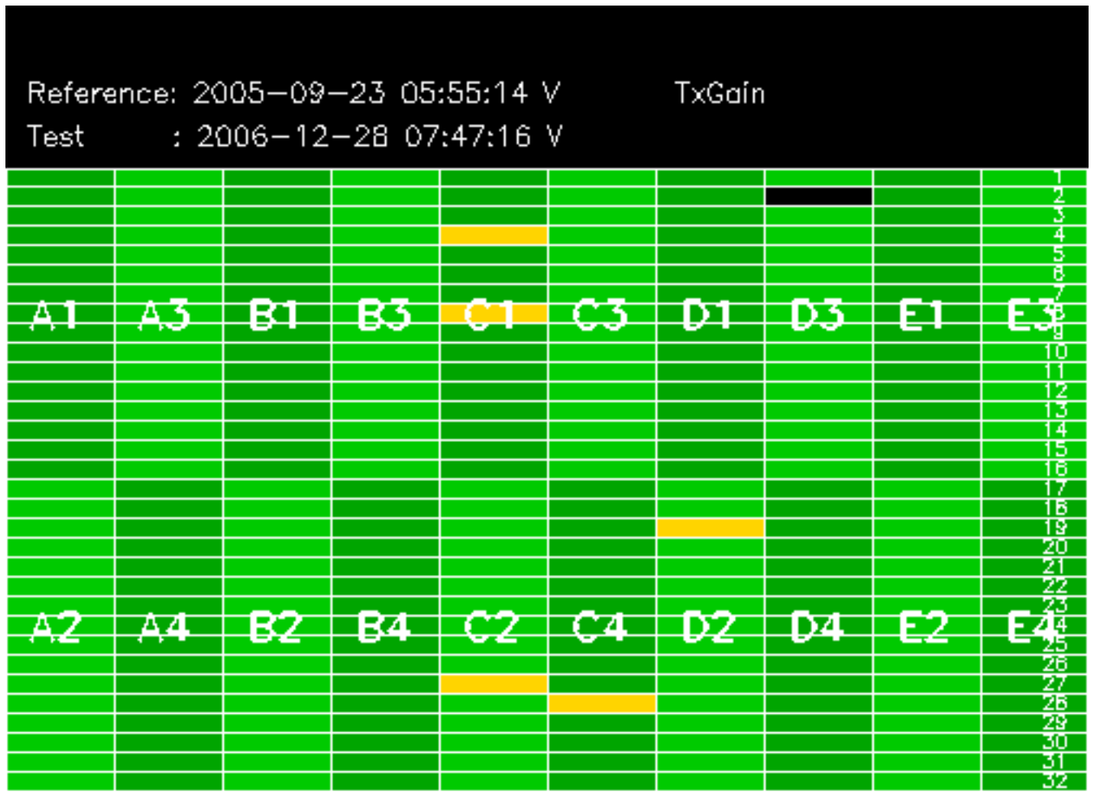
Reference: 2005-09-23 05:55:14 V
Test : 2006-12-28 07:47:16 V
TxGain
A1
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B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
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Summary of analysis for the last 3 days 2006122[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
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<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
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<tr> <td>ASA_GM1_1PNPDE20061227_205519_000005192054_00129_25233_9869.N1 </td> <td>7 </td> <td>280 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20061226_014553_000002442054_00103_25207_6968.N1 </td> <td>0 </td> <td>30 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20061228_004637_000001412054_00131_25235_0200.N1 </td> <td>0 </td> <td>36 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20061228_032459_000001282054_00133_25237_0362.N1 </td> <td>0 </td> <td>61 </td></tr>
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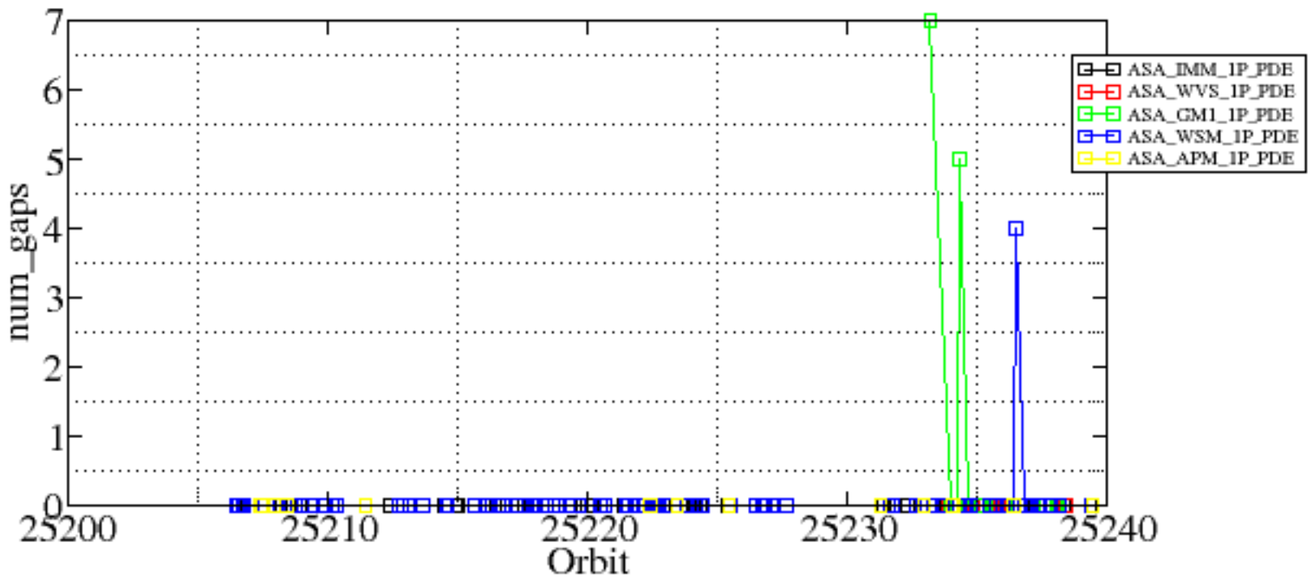
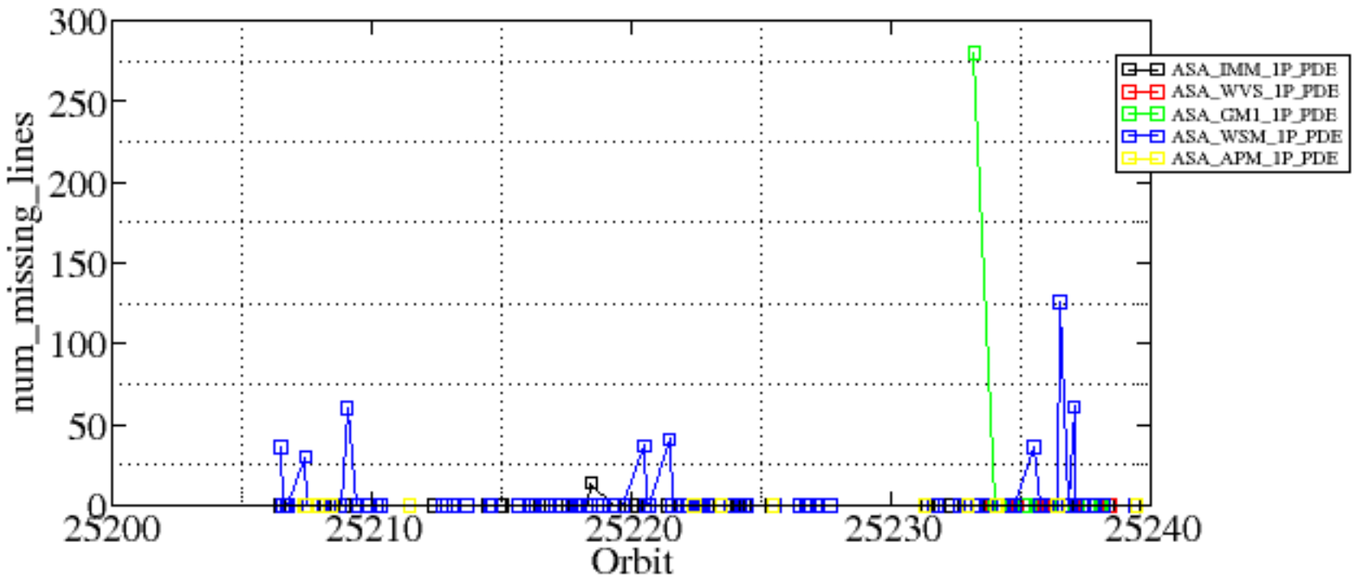
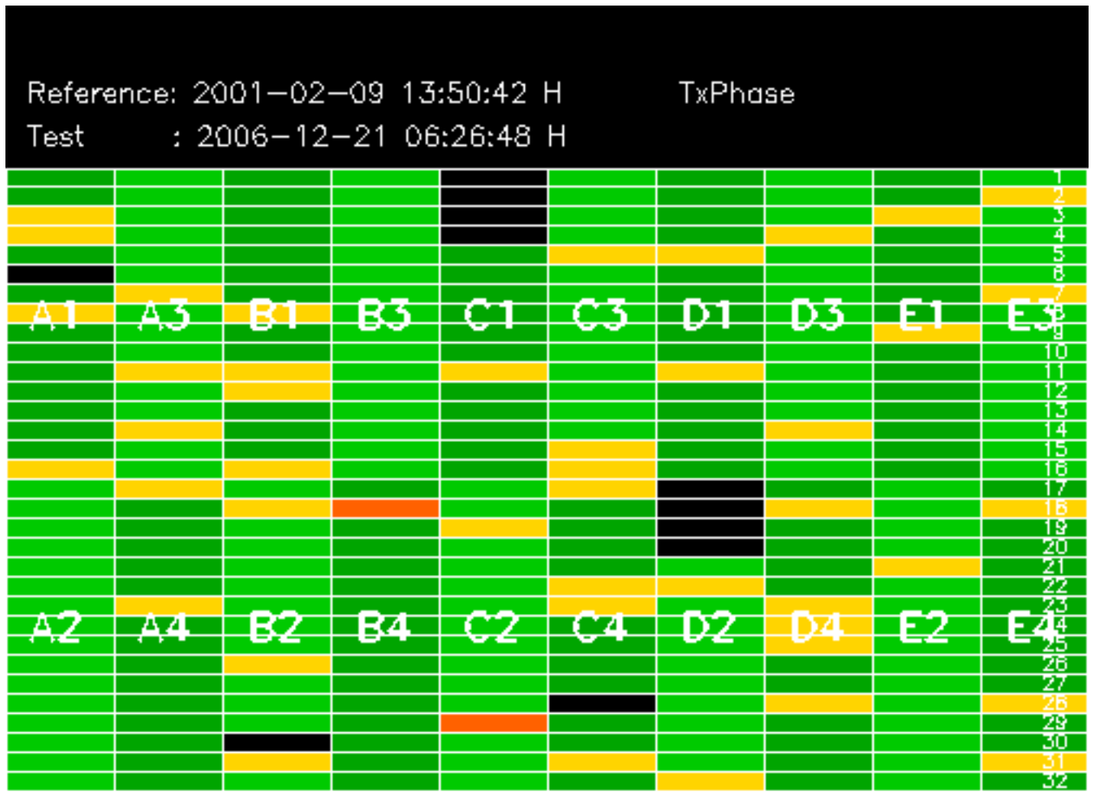
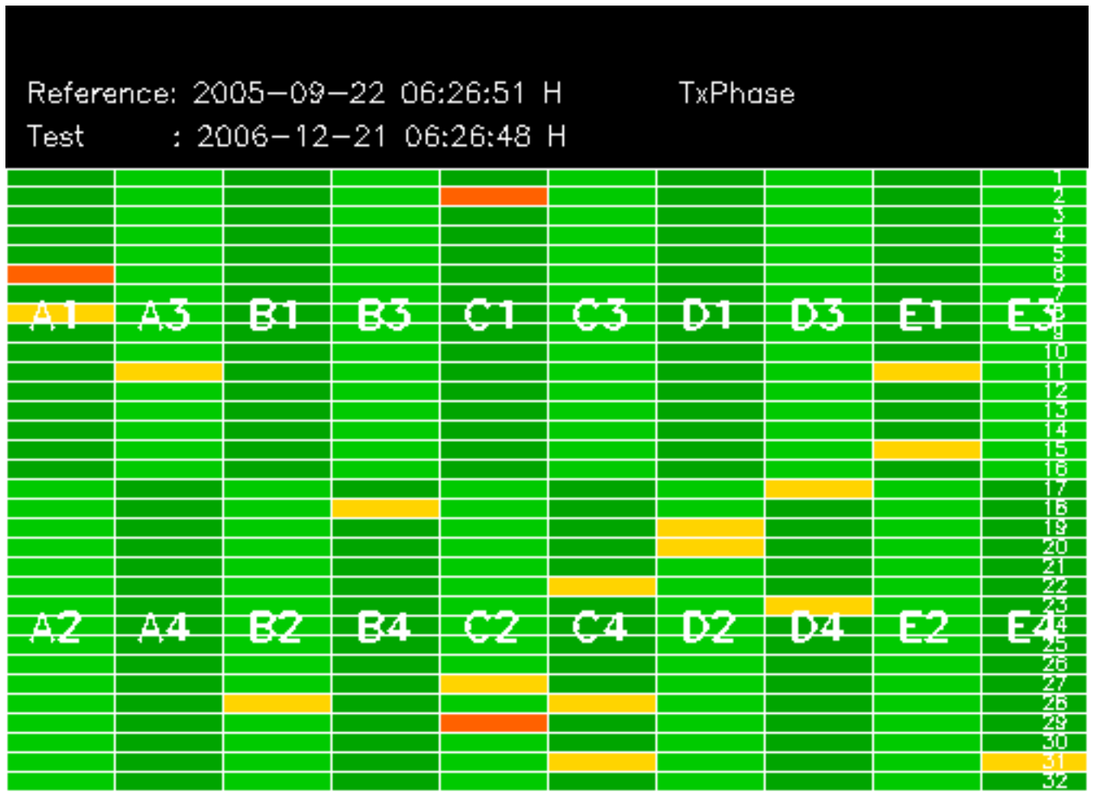

num_gaps
Orbit
0
1
2
3
4
5
6
7
25200
25210
25220
25230
25240
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE


num_missing_lines
300
250
200
150
100
50
0
25200
25210
25220
25230
25240
Orbit
ASA_IMM_1P_PDE
ASA_WVS_1P_PDE
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
Test : 2006-12-21 06:26:48 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 : 2006-12-21 06:26:48 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
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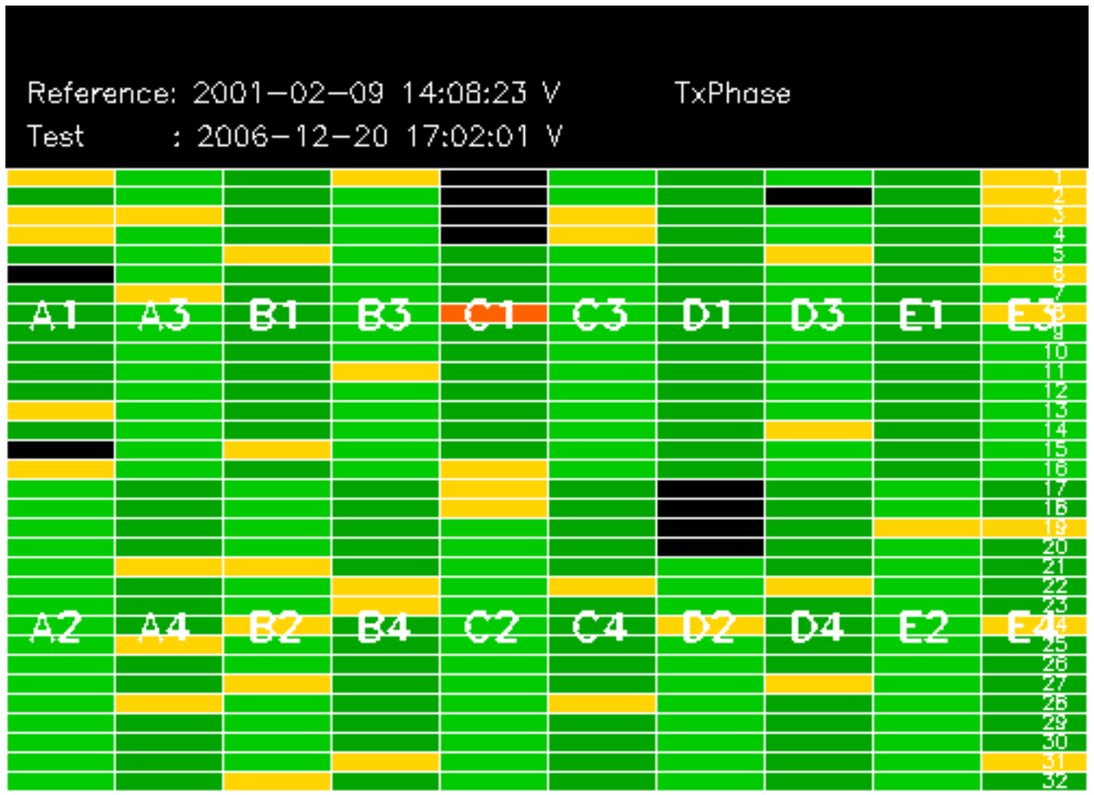
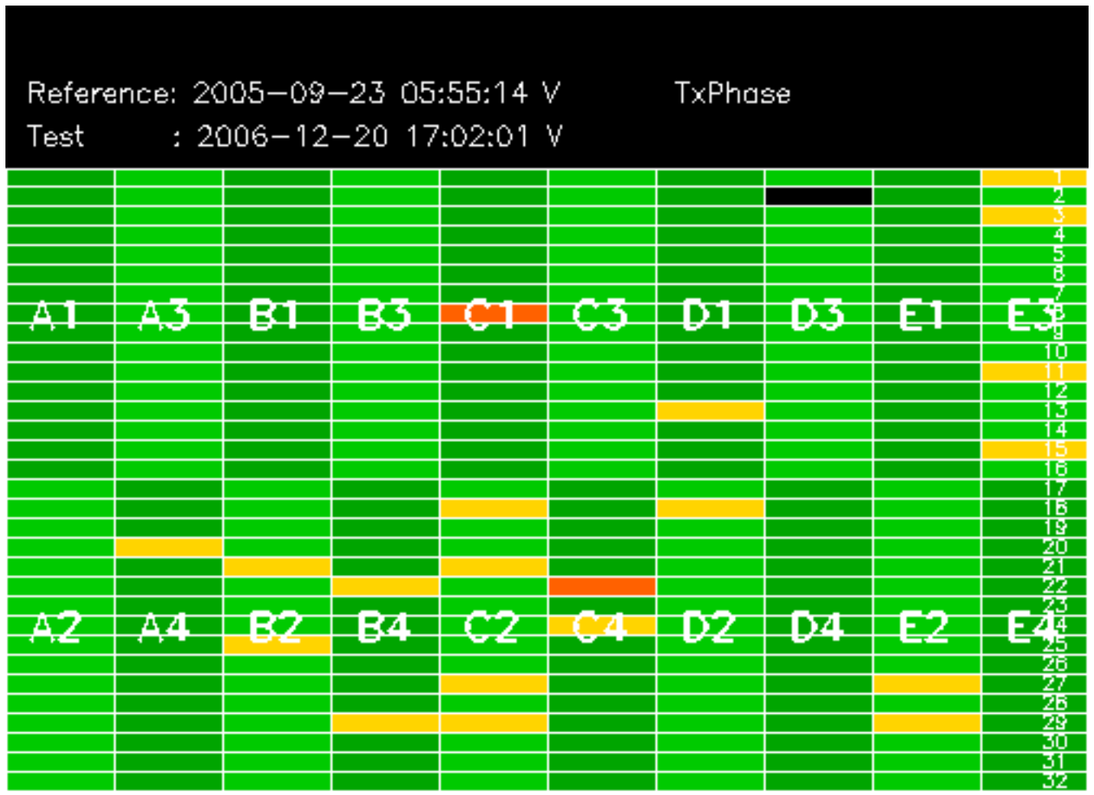
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-12-20 17:02:01 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 : 2006-12-20 17:02:01 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
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21
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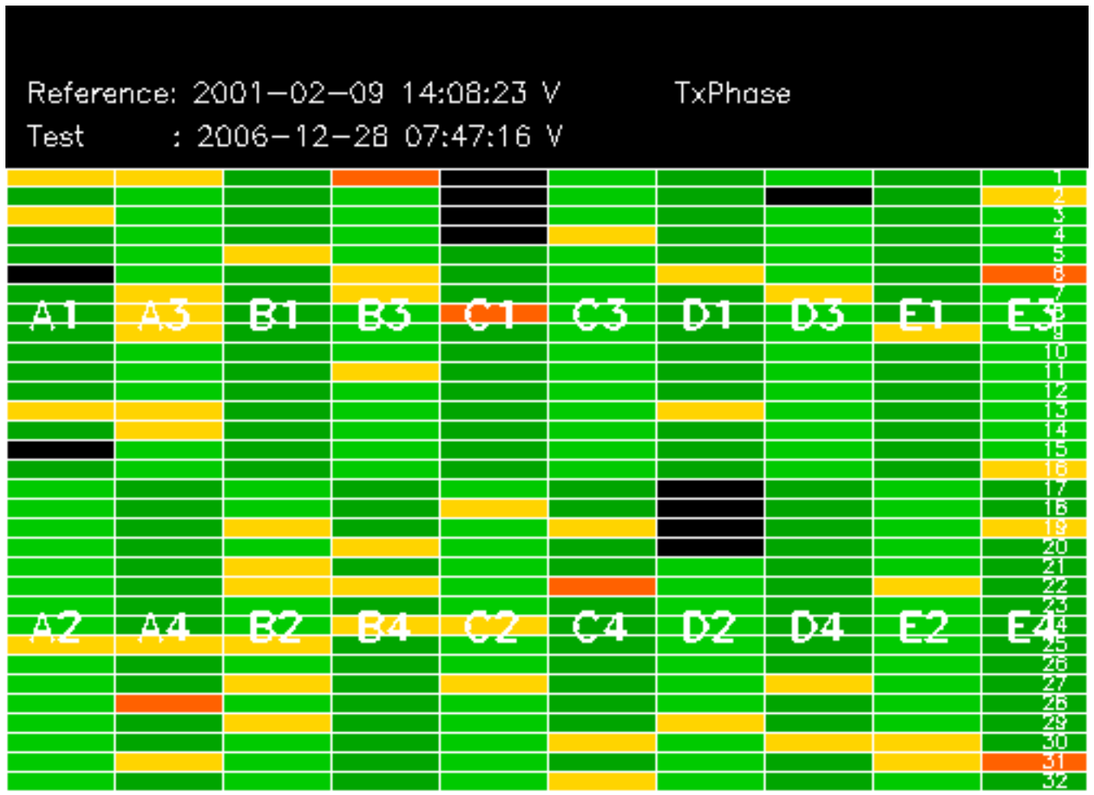
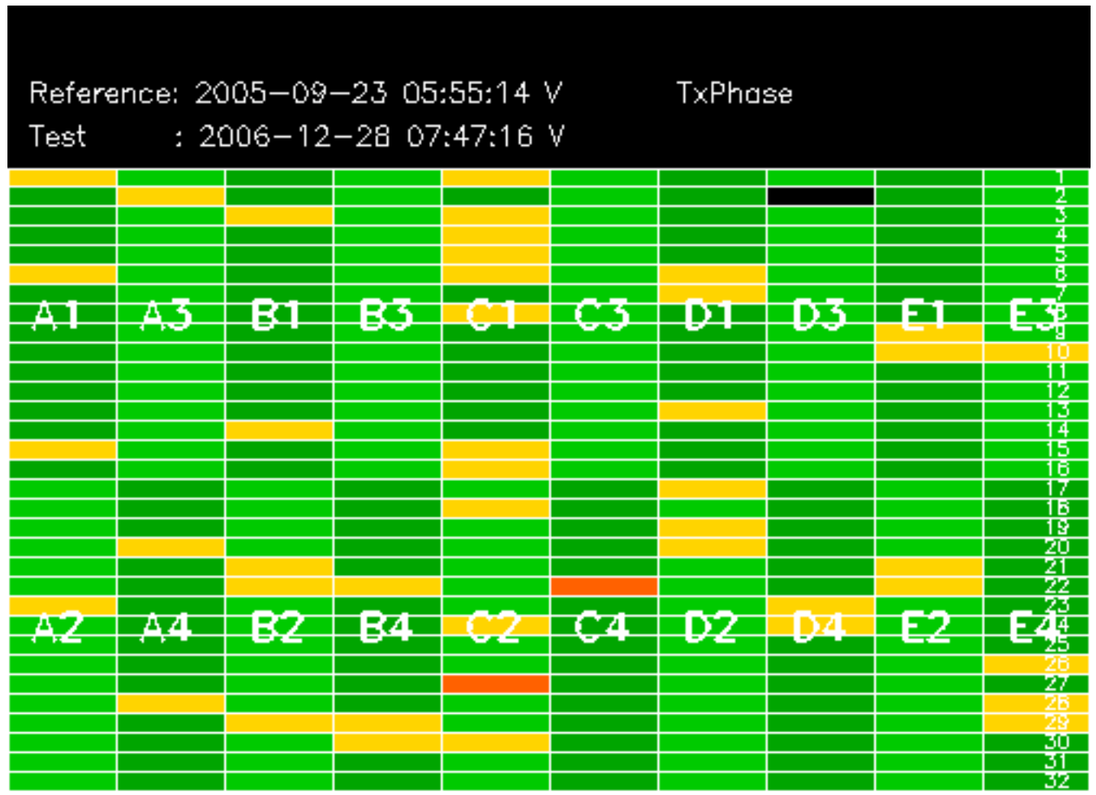
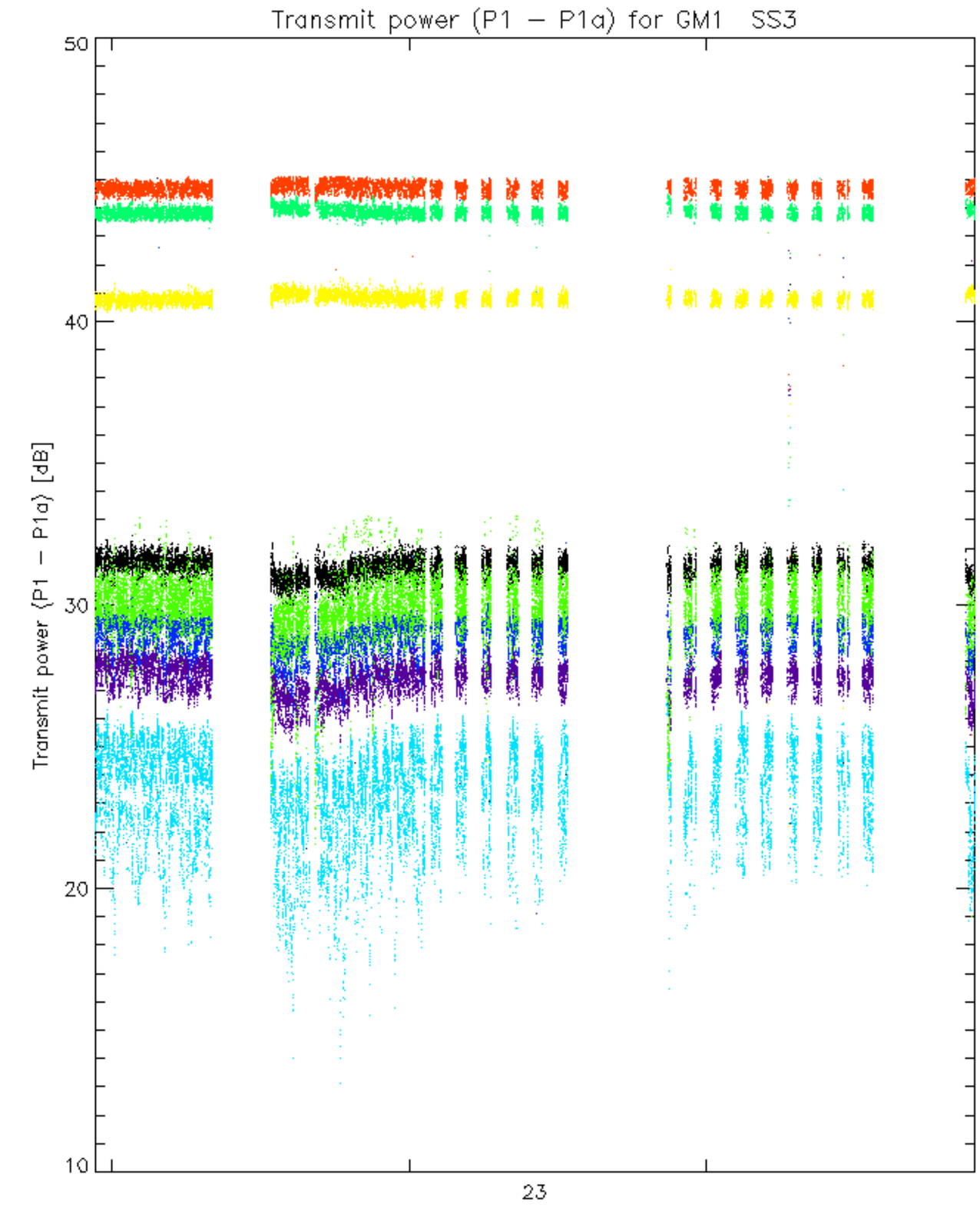
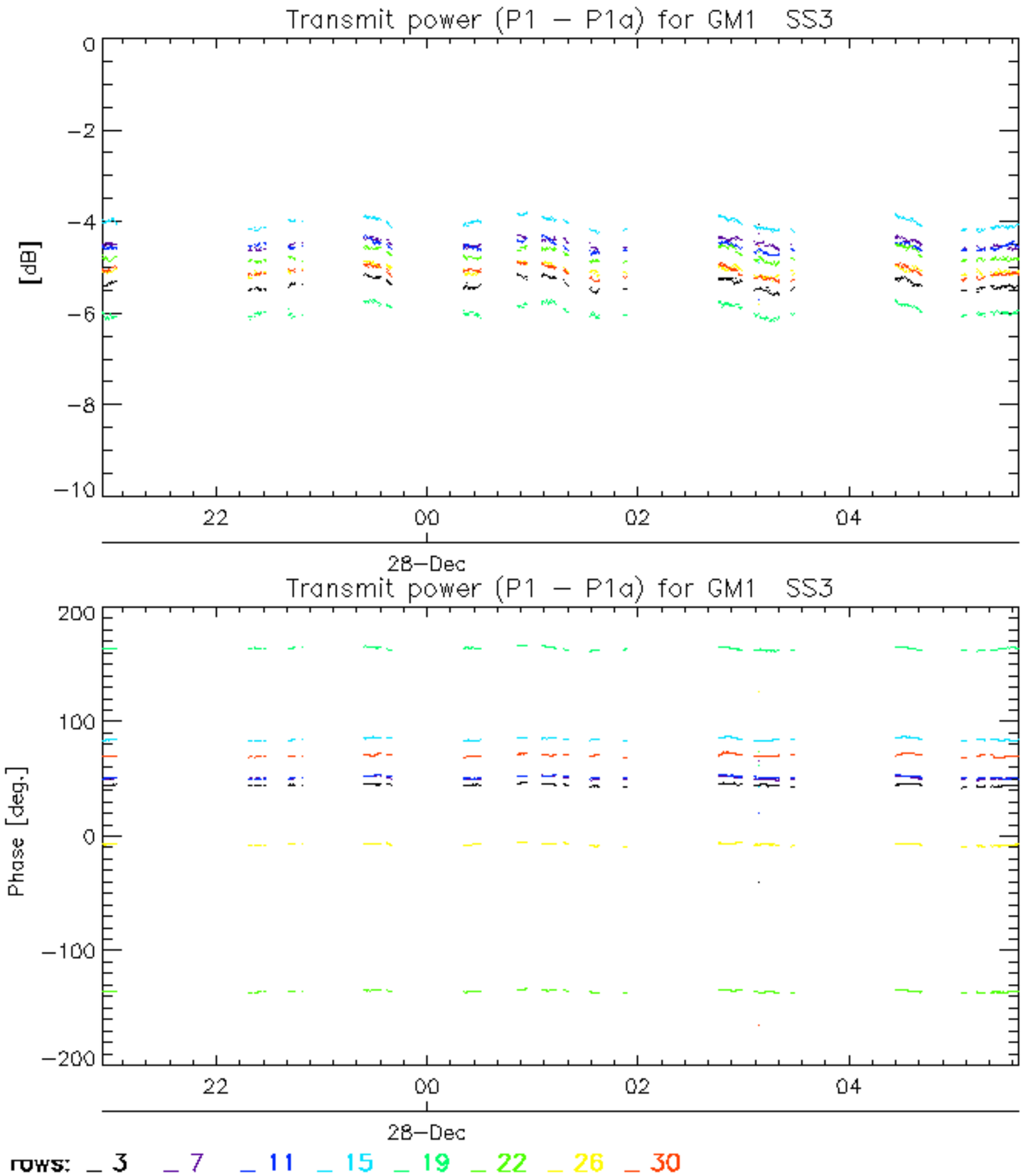
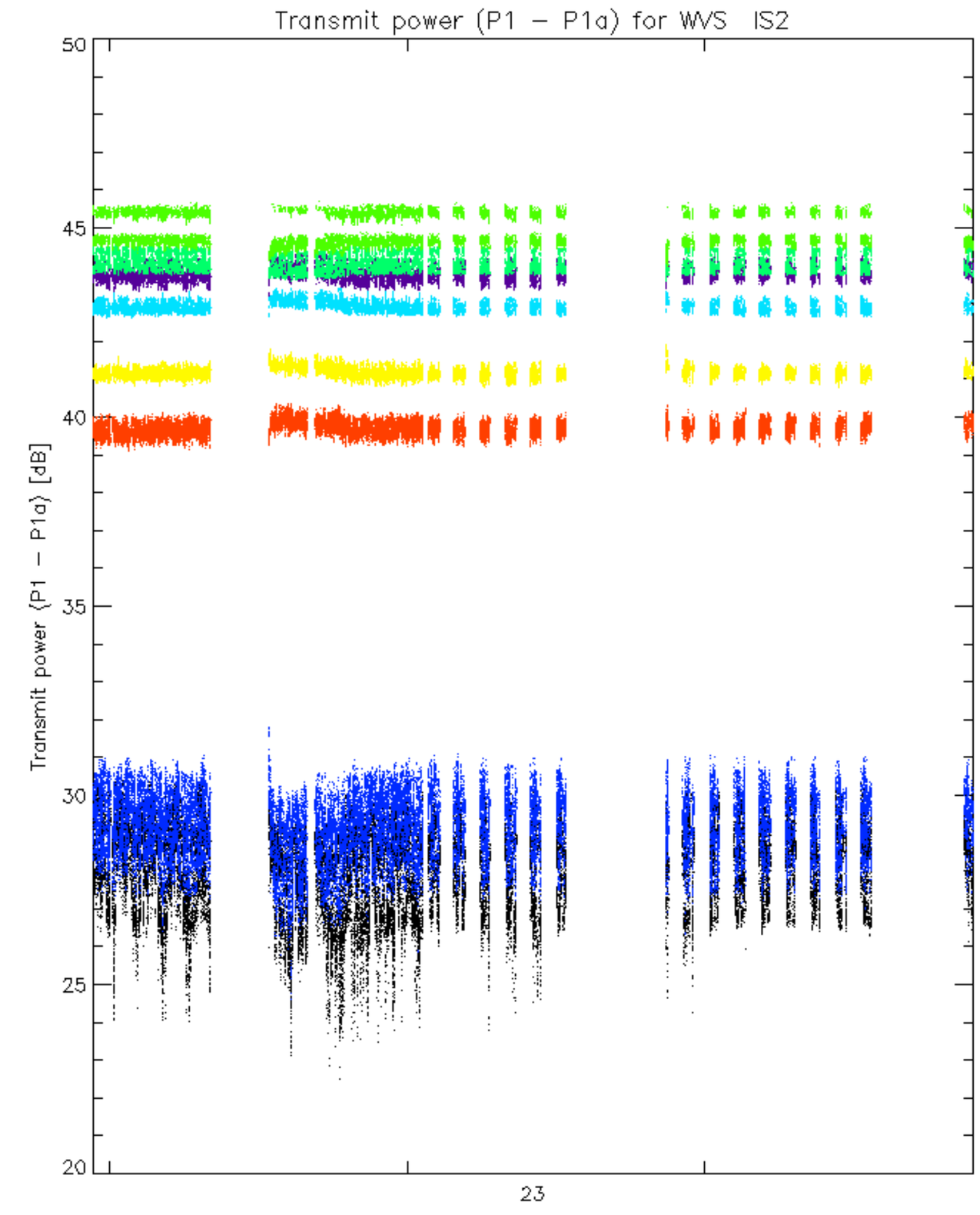
31
32

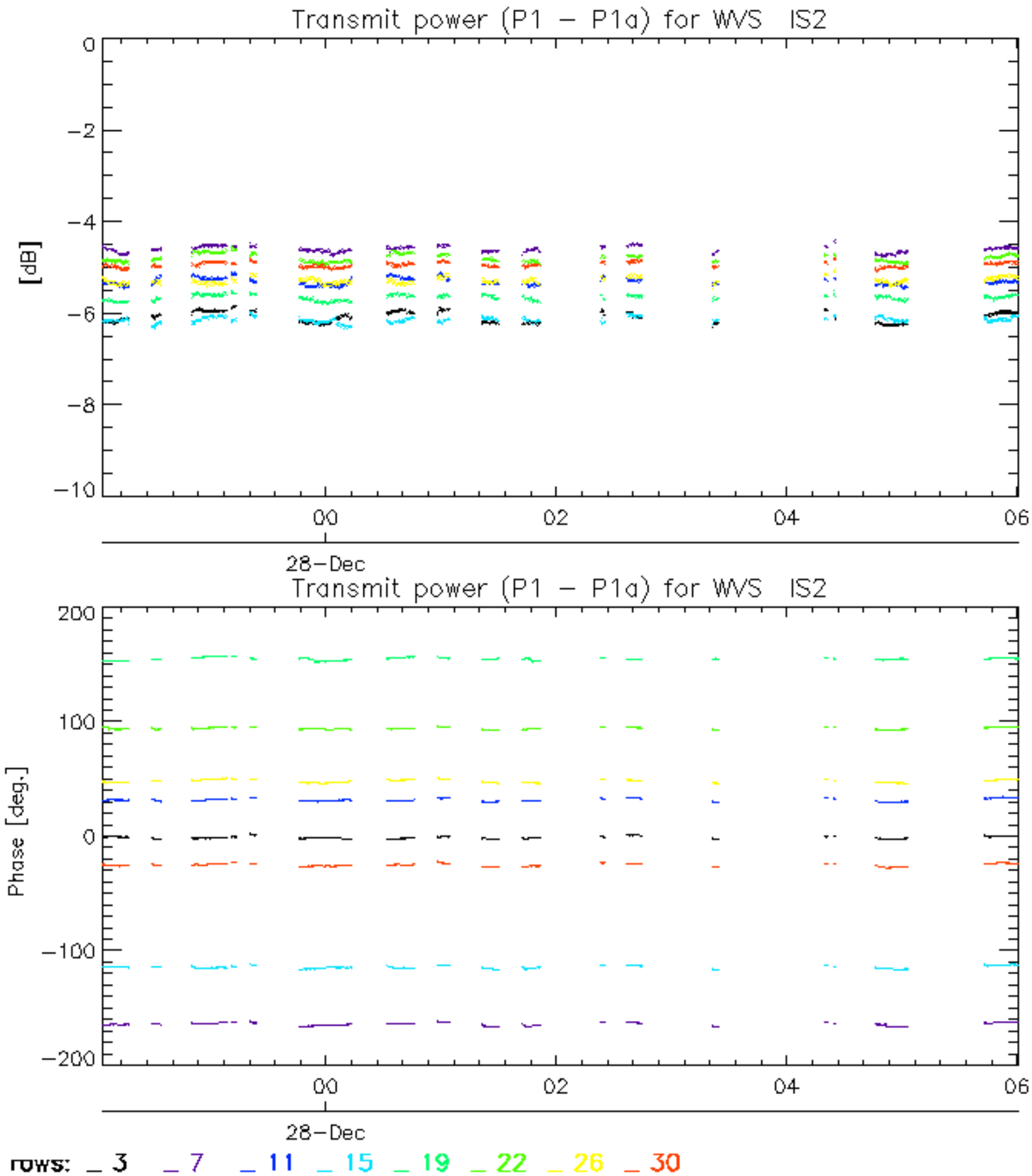

Reference: 2001-02-09 14:08:23 V
Test : 2006-12-28 07:47:16 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2006-12-28 07:47:16 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
22
00
02
04
28–Dec
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
28–Dec
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
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
00
02
04
06
28−Dec
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
00
02
04
06
28−Dec
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.