PRELIMINARY REPORT OF 061125

last update on Sat Nov 25 16:43:16 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 2006-11-24 00:00:00 to 2006-11-25 16:43:16

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	38	61	8	4	29
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	38	61	8	4	29
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	38	61	8	4	29
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	61	8	4	29

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	46	66	29	14	68
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	46	66	29	14	68
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	46	66	29	14	68
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	46	66	29	14	68

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	20061125 064405
H	20061124 071542

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	-3.959982	0.008523	-0.023682
7	P1	-3.151833	0.023141	-0.023921
11	P1	-4.131938	0.024719	0.000490
15	P1	-6.293126	0.014386	-0.054638
19	P1	-3.623935	0.062921	0.037295
22	P1	-4.671688	0.128361	0.118947
26	P1	-3.972034	0.085652	0.117027
30	P1	-5.893883	0.164866	0.121297
3	P1	-16.509064	0.235920	-0.120157
7	P1	-17.277945	0.172785	-0.054930
11	P1	-17.160261	0.455968	-0.132122
15	P1	-13.064502	0.131777	-0.030861
19	P1	-14.931257	0.370283	0.046646
22	P1	-15.857648	0.517697	0.055184
26	P1	-15.059069	0.199635	0.069631
30	P1	-17.426495	0.611892	-0.304510

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.845272	0.090779	0.020603
7	P2	-21.732811	0.094135	-0.011731
11	P2	-15.657012	0.102216	0.010186
15	P2	-7.124385	0.106095	-0.011653
19	P2	-9.191519	0.103586	-0.005965
22	P2	-18.231373	0.095913	-0.034745
26	P2	-16.548634	0.109909	-0.059067
30	P2	-19.476913	0.088270	-0.002549

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.240238	0.008299	-0.033445
7	P3	-8.240238	0.008299	-0.033445
11	P3	-8.240238	0.008299	-0.033445
15	P3	-8.240238	0.008299	-0.033445
19	P3	-8.240238	0.008299	-0.033445
22	P3	-8.240238	0.008299	-0.033445
26	P3	-8.240259	0.008311	-0.033554
30	P3	-8.240259	0.008311	-0.033554

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	-3.911408	0.056305	-0.002814
7	P1	-2.525055	0.332703	0.096399
11	P1	-2.863153	0.050973	0.031636
15	P1	-3.681637	0.057969	-0.020898
19	P1	-3.544161	0.113997	0.085444
22	P1	-5.057899	0.089371	0.115490
26	P1	-6.029531	0.186267	0.118634
30	P1	-5.336164	0.113302	0.058009
3	P1	-11.721544	0.137160	-0.039958
7	P1	-10.063604	0.435182	0.053392
11	P1	-10.331649	0.155264	0.036251
15	P1	-10.758430	0.217528	0.092188
19	P1	-15.798939	2.162411	0.507865
22	P1	-21.403585	1.573464	-0.404195
26	P1	-16.046976	0.398042	-0.063327
30	P1	-17.903074	0.415749	0.016098

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.457462	0.129103	-0.035645
7	P2	-22.211752	0.469396	-0.089117
11	P2	-10.938519	0.131813	-0.040928
15	P2	-4.967356	0.162404	-0.049008
19	P2	-6.949630	0.197129	-0.034125
22	P2	-8.261319	0.203269	-0.001402
26	P2	-24.309370	0.345286	-0.102215
30	P2	-21.944460	0.215484	-0.026629

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.086602	0.003283	-0.029506
7	P3	-8.086585	0.003272	-0.029725
11	P3	-8.086635	0.003275	-0.029729
15	P3	-8.086589	0.003275	-0.029541
19	P3	-8.086629	0.003282	-0.029706
22	P3	-8.086551	0.003281	-0.029864
26	P3	-8.086630	0.003274	-0.029668
30	P3	-8.086730	0.003282	-0.029517

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	0.000542877
	stdev	1.80049e-07
MEAN Q	mean	0.000519571
	stdev	2.20655e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135979
	stdev	0.00111237
STDEV Q	mean	0.136337
	stdev	0.00112922

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006112[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20061124_042634_000000782053_00147_24750_6576.N1	1	0
ASA_IMM_1PNPDE20061124_201746_000000362053_00157_24760_7594.N1	1	0
ASA_GM1_1PNPDK20061124_153848_000006402053_00154_24757_9246.N1	0	32
ASA_WSM_1PNPDE20061123_182823_000000862053_00142_24745_5906.N1	0	70
ASA_APM_1PNPDE20061124_143627_000000872053_00154_24757_7416.N1	0	10

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)

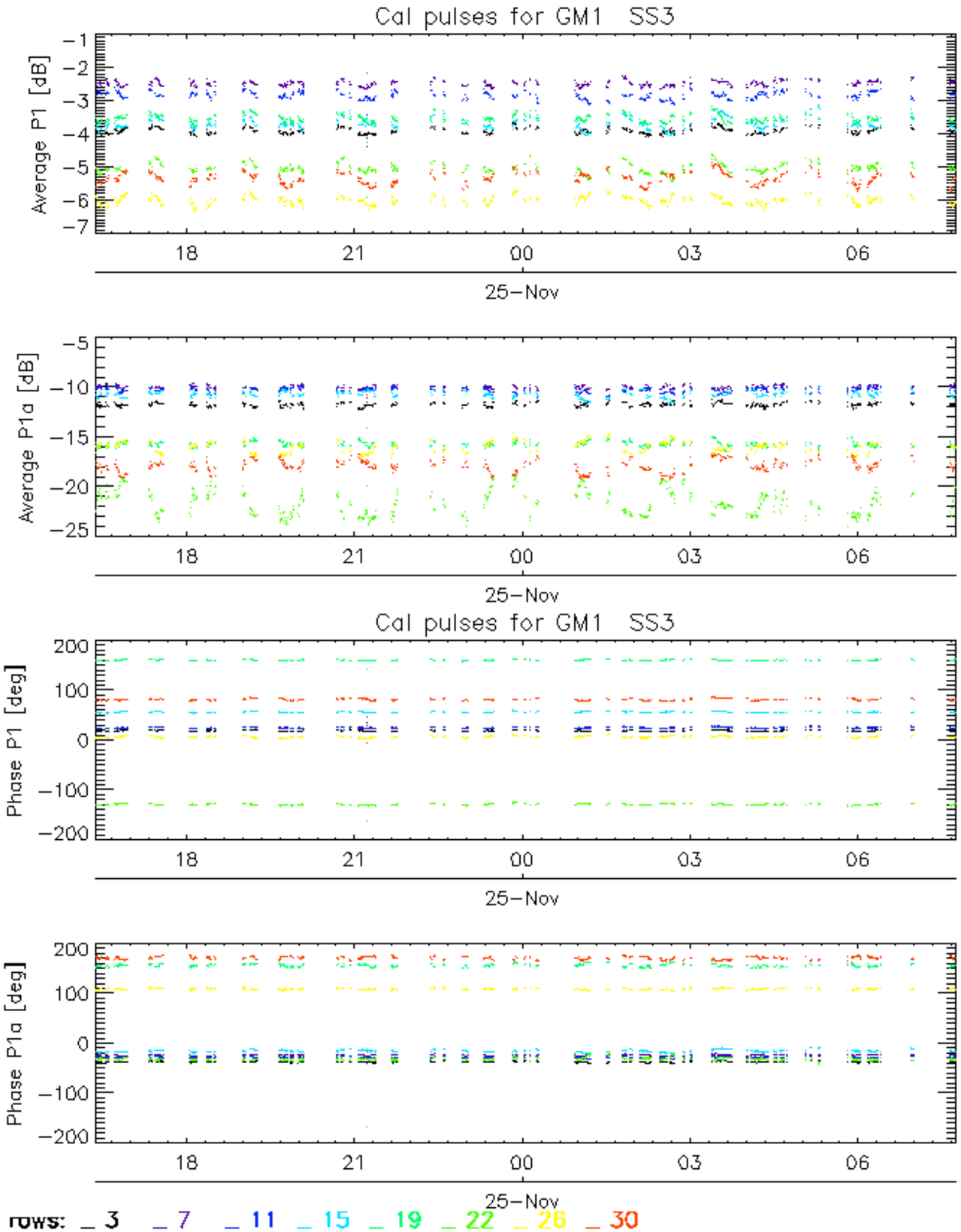

Acsending
☒
Descending

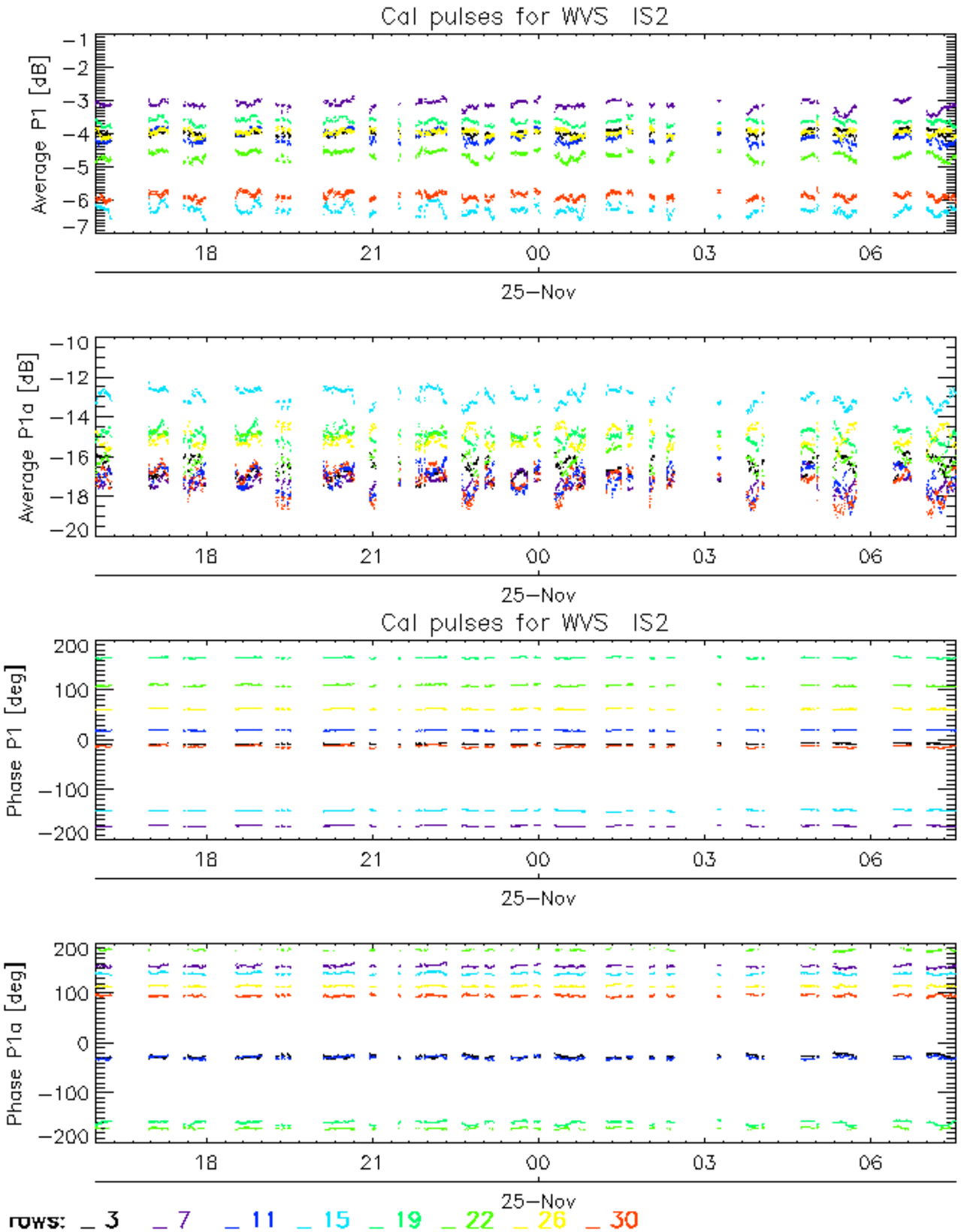
7.5 - Absolute Doppler for GM1

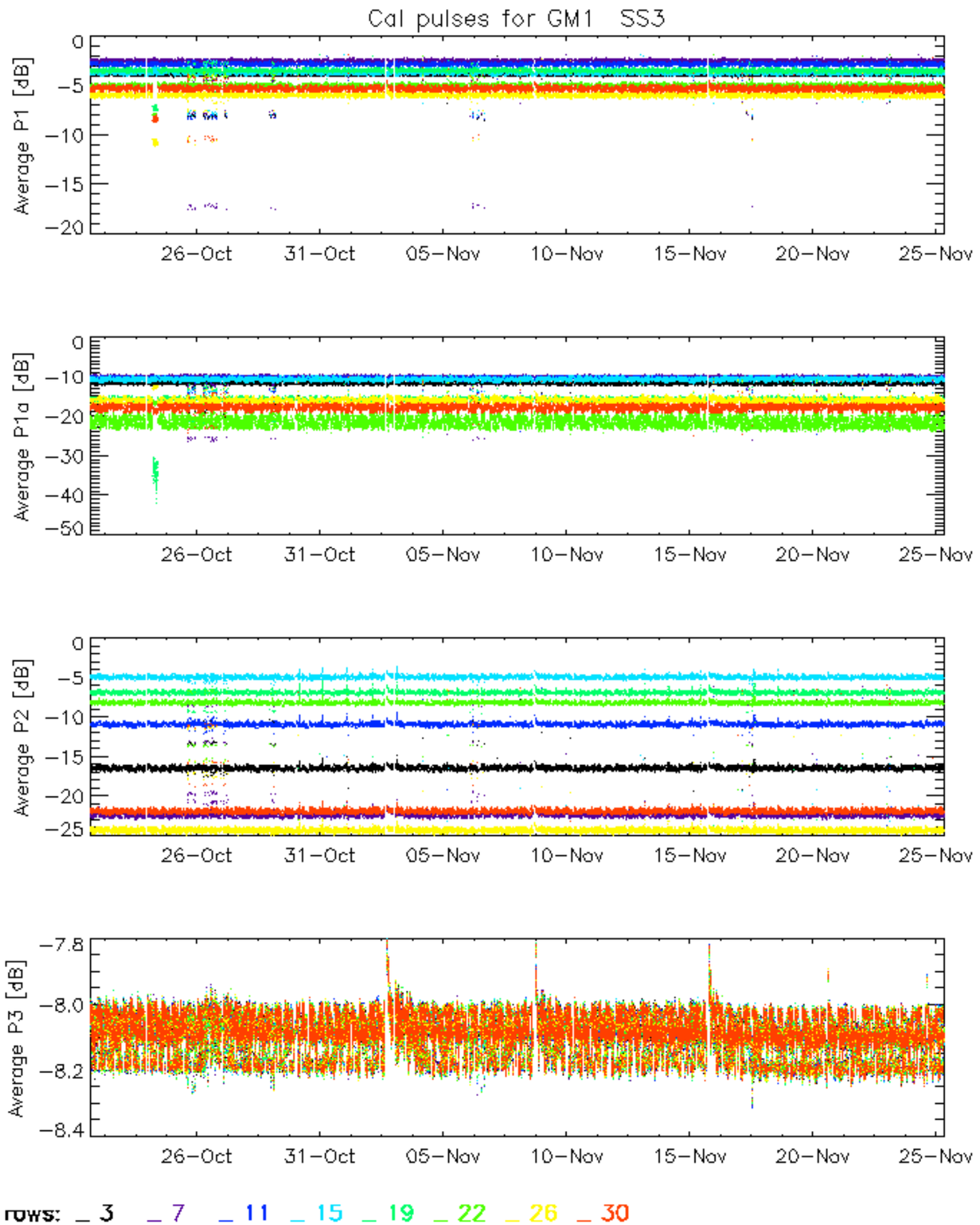
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

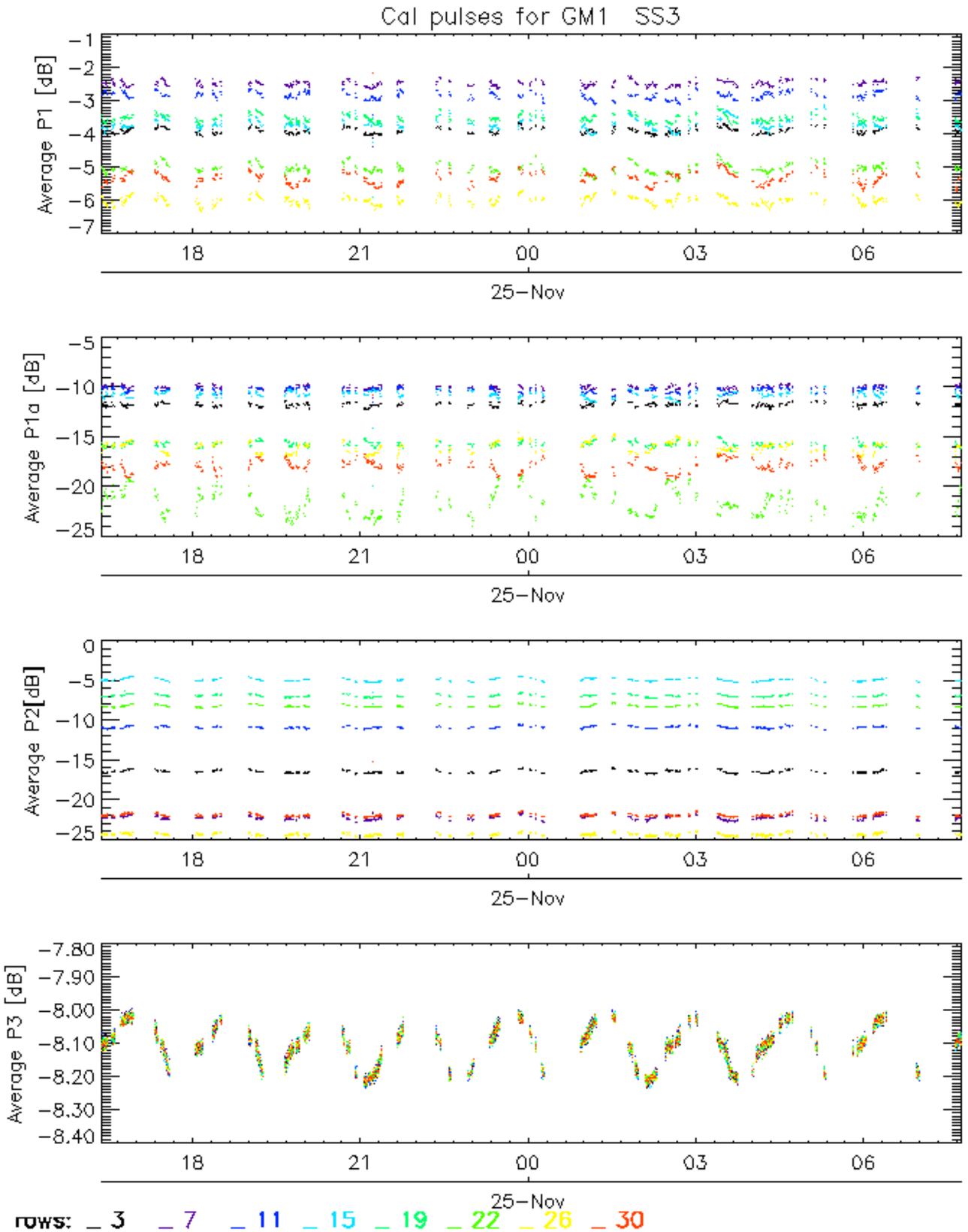
7.6 - Doppler evolution versus ANX for GM1

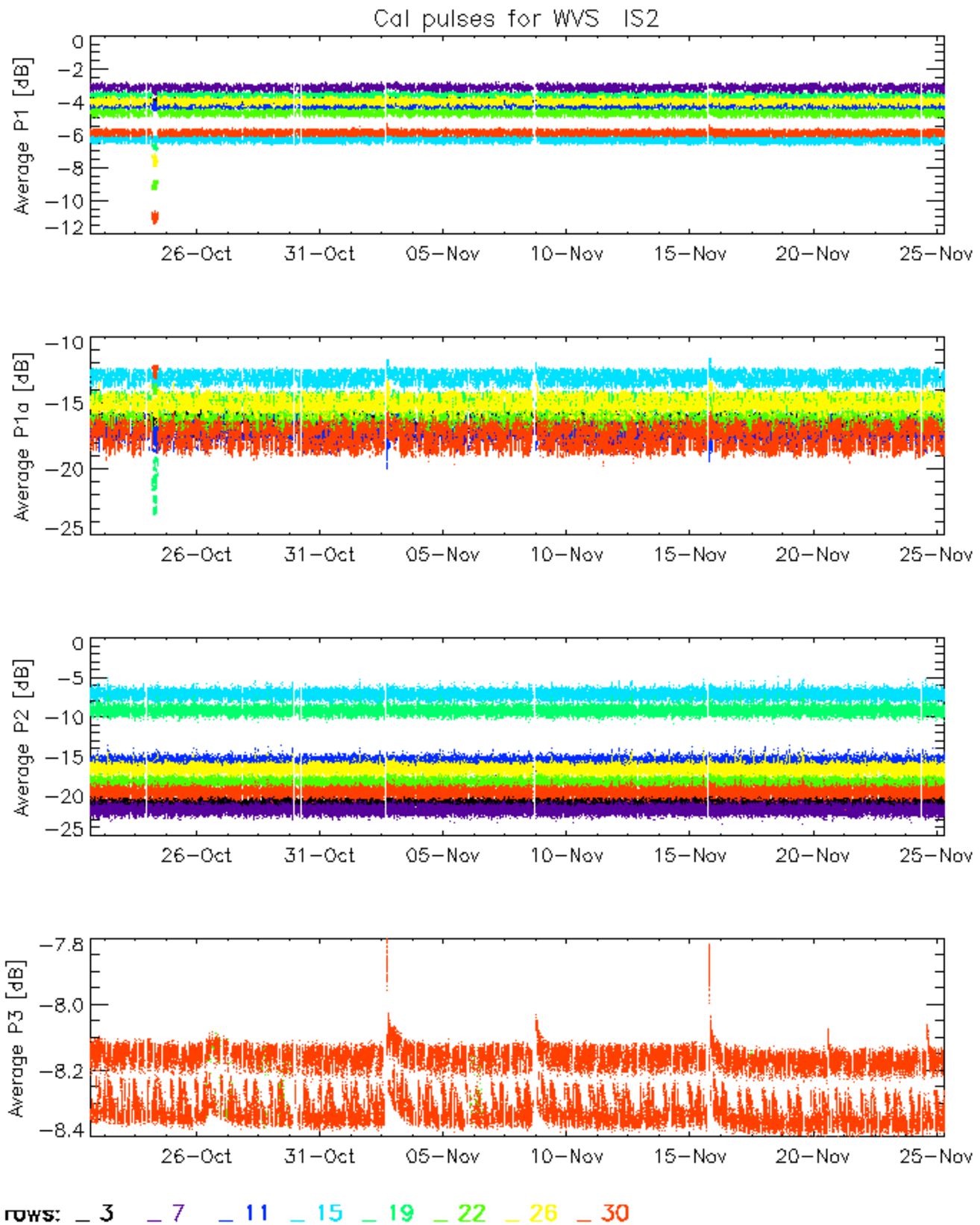
Evolution Doppler error versus ANX
☒

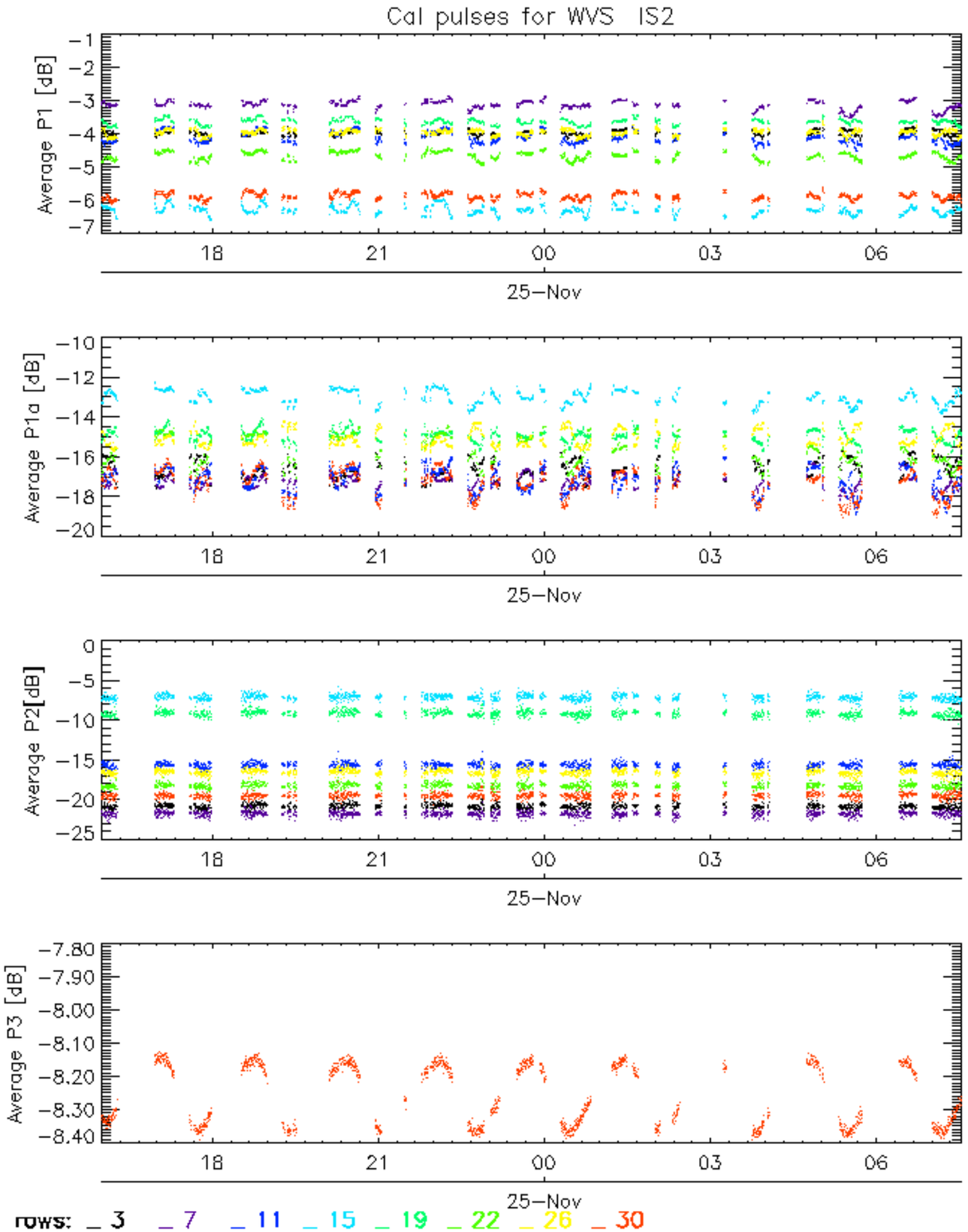

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
25−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
25−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
25−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
25−Nov
rows: _ 3 _ 7 _ 11 _ 15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


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

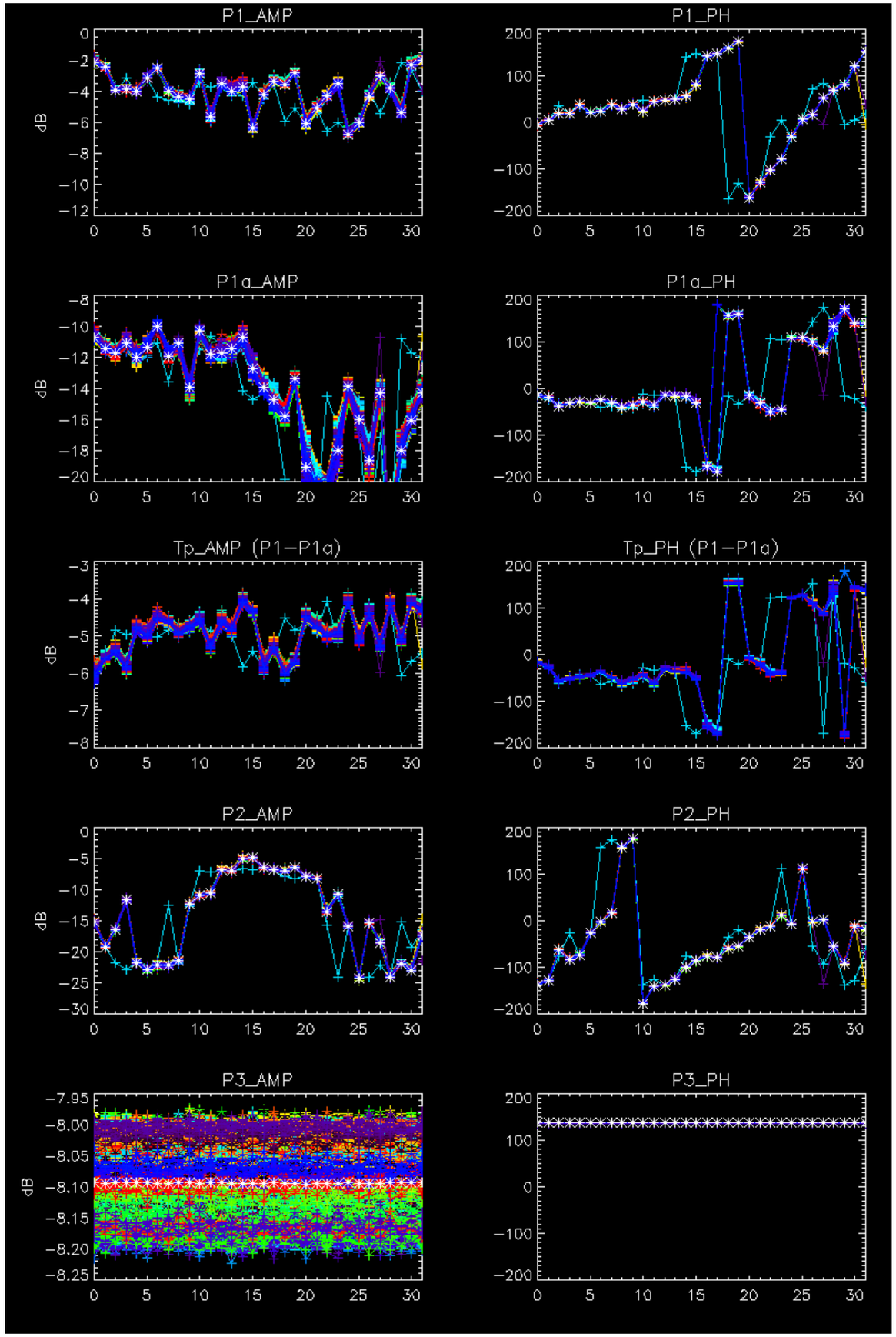

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

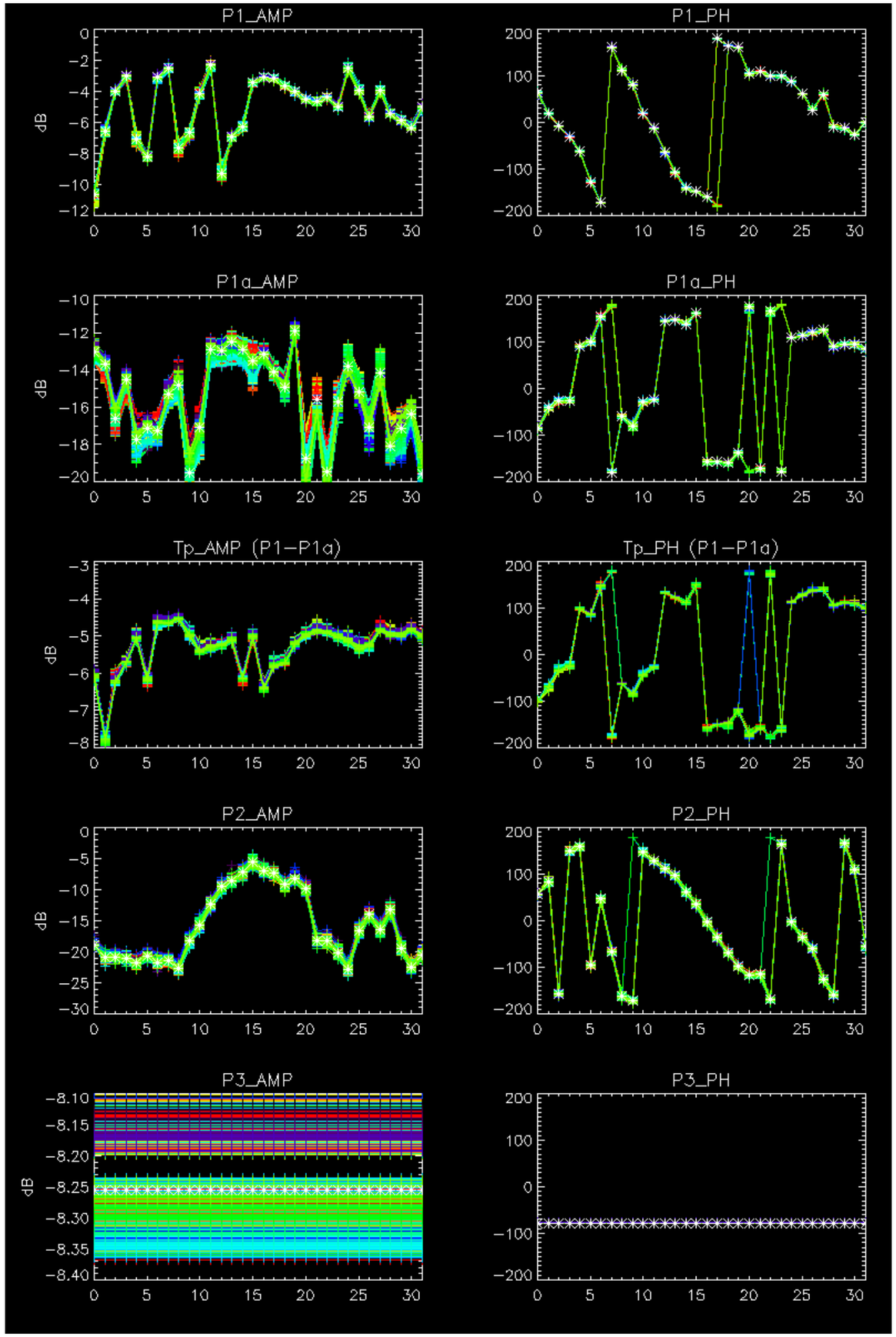

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
25−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
25−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
25−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
25−Nov
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
Average P1a [dB]
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

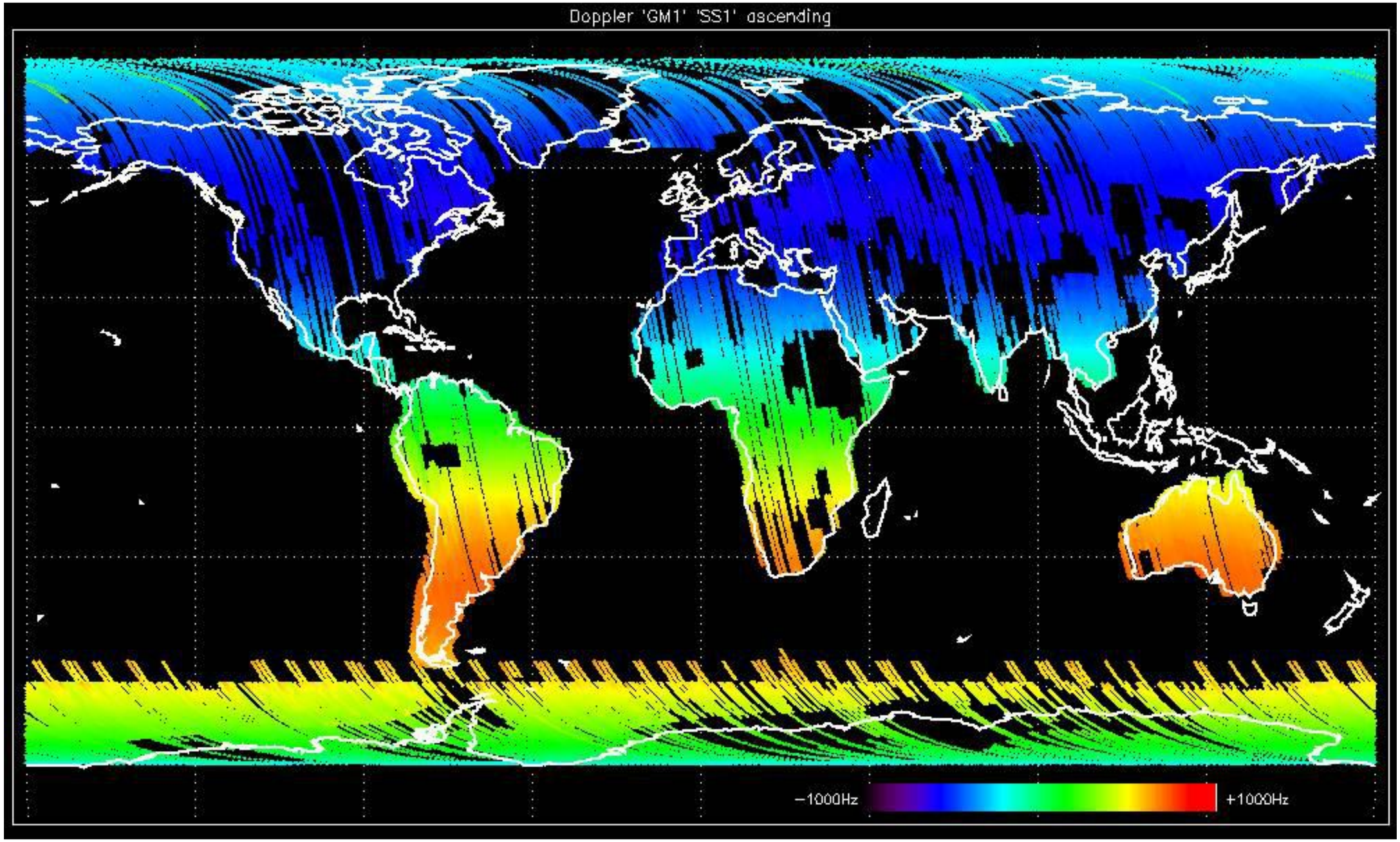
No anomalies observed.

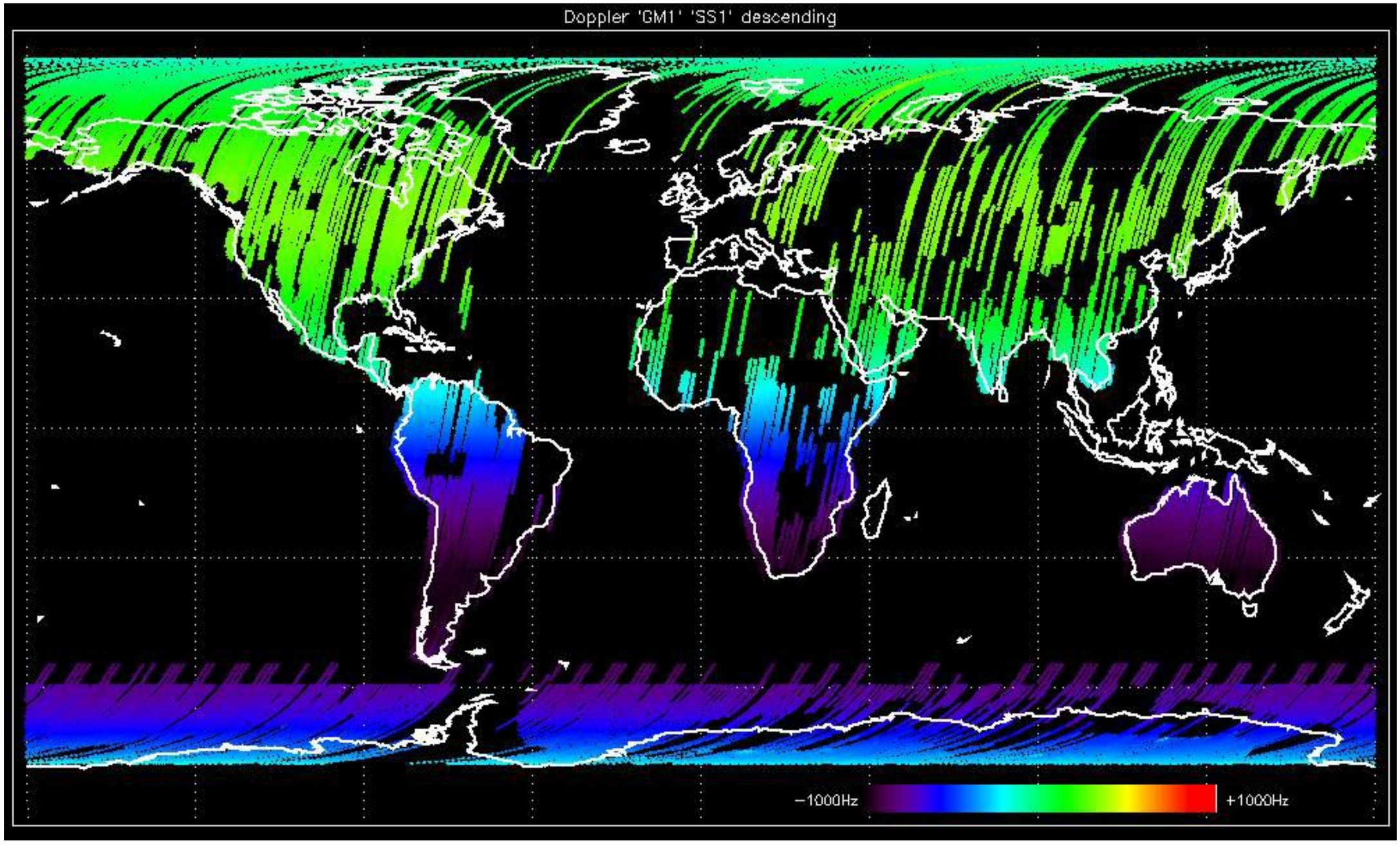

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

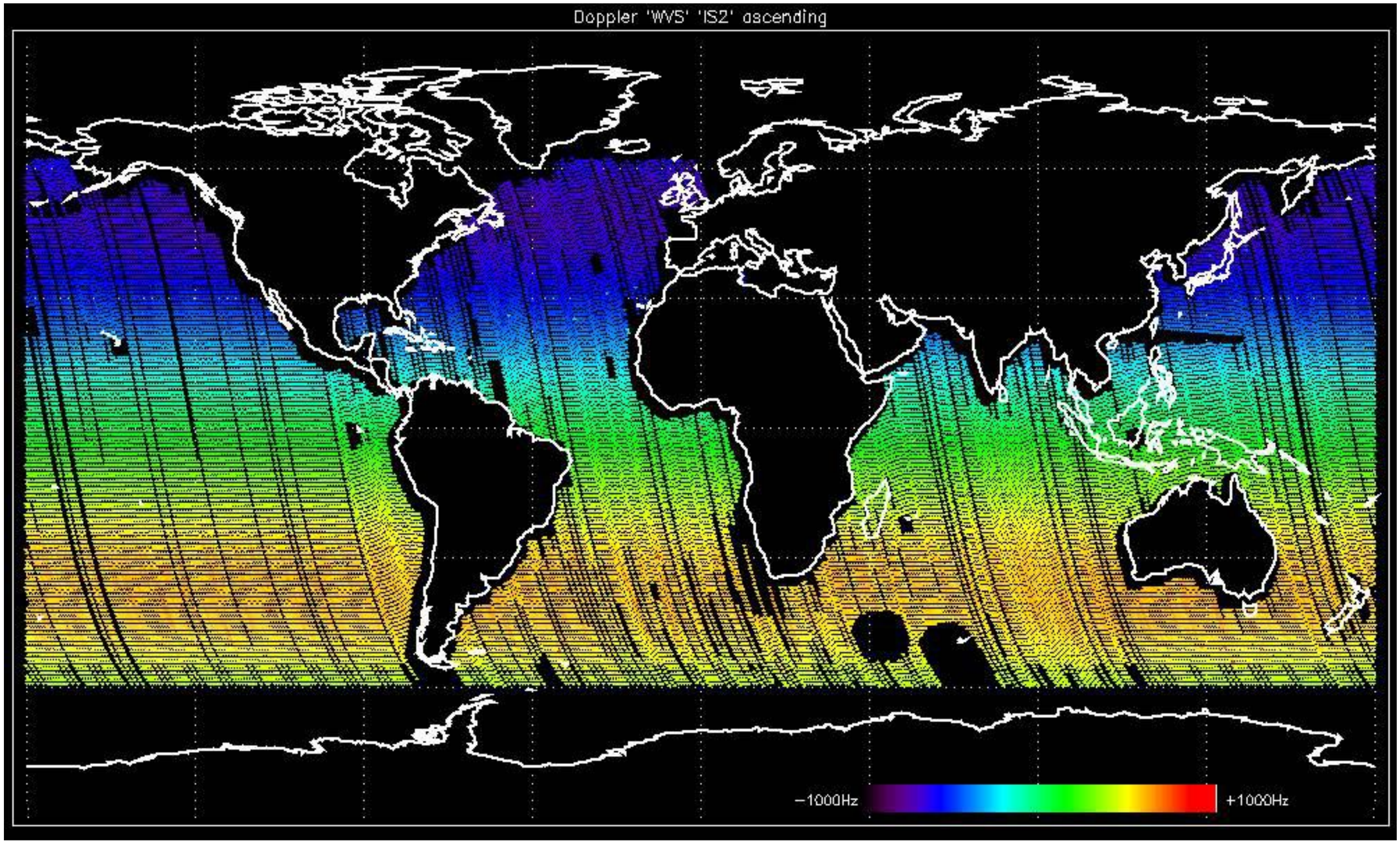

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

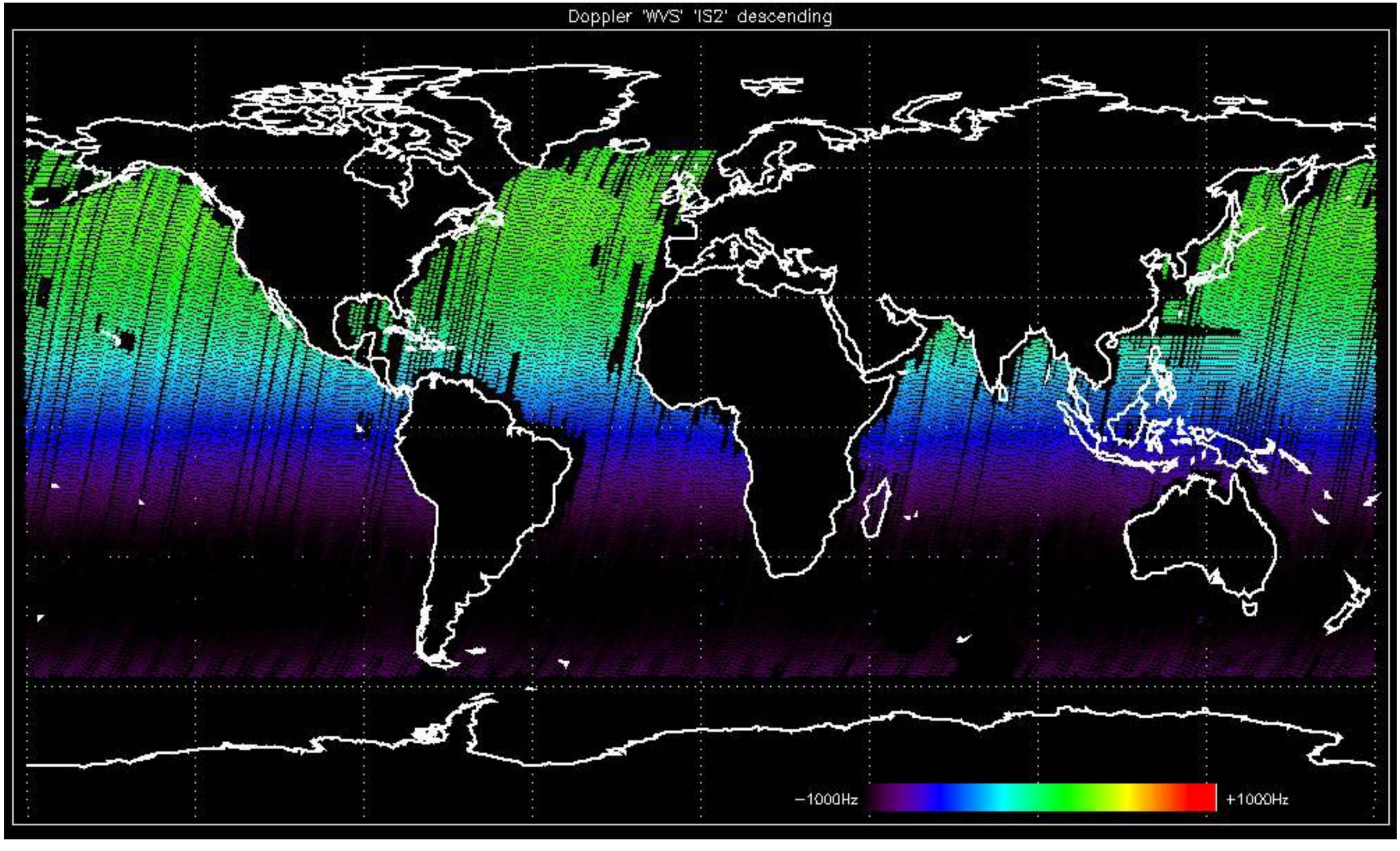
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

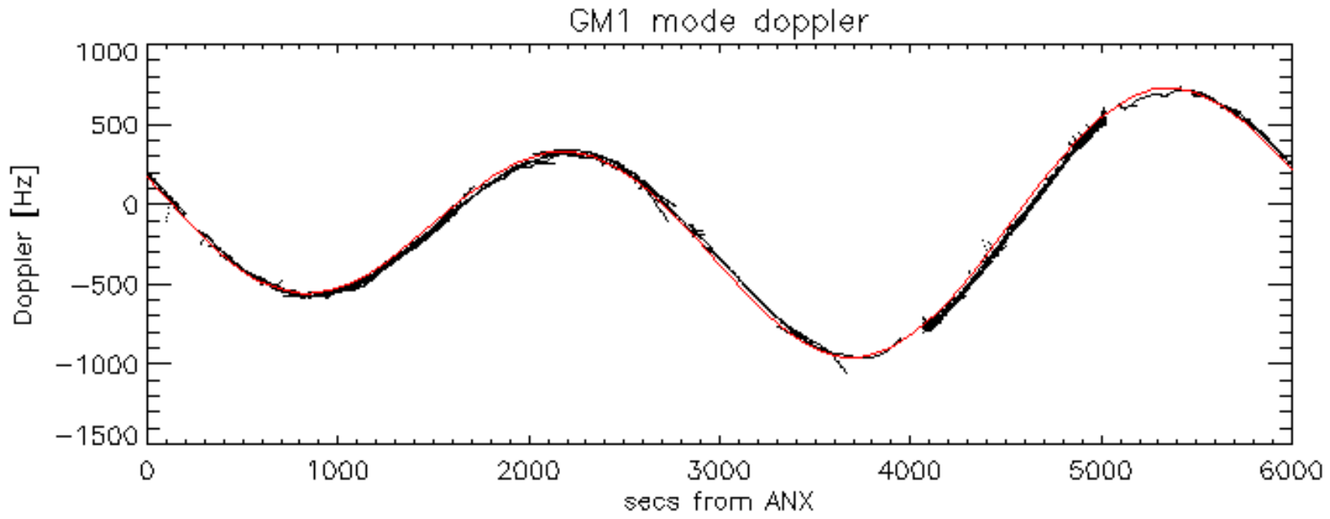
Preliminary report.The data is not yet controled

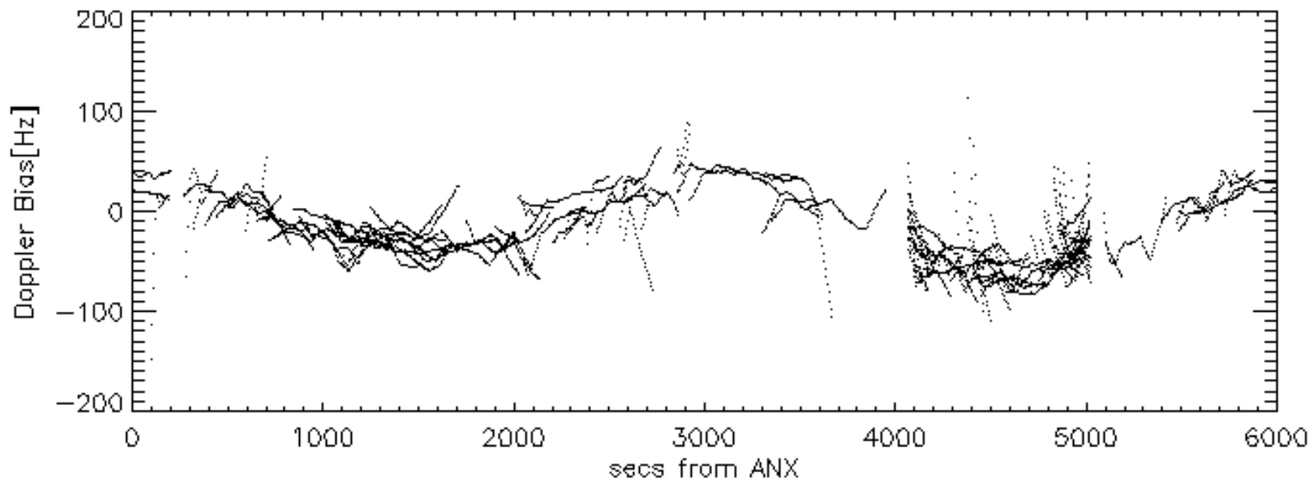

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

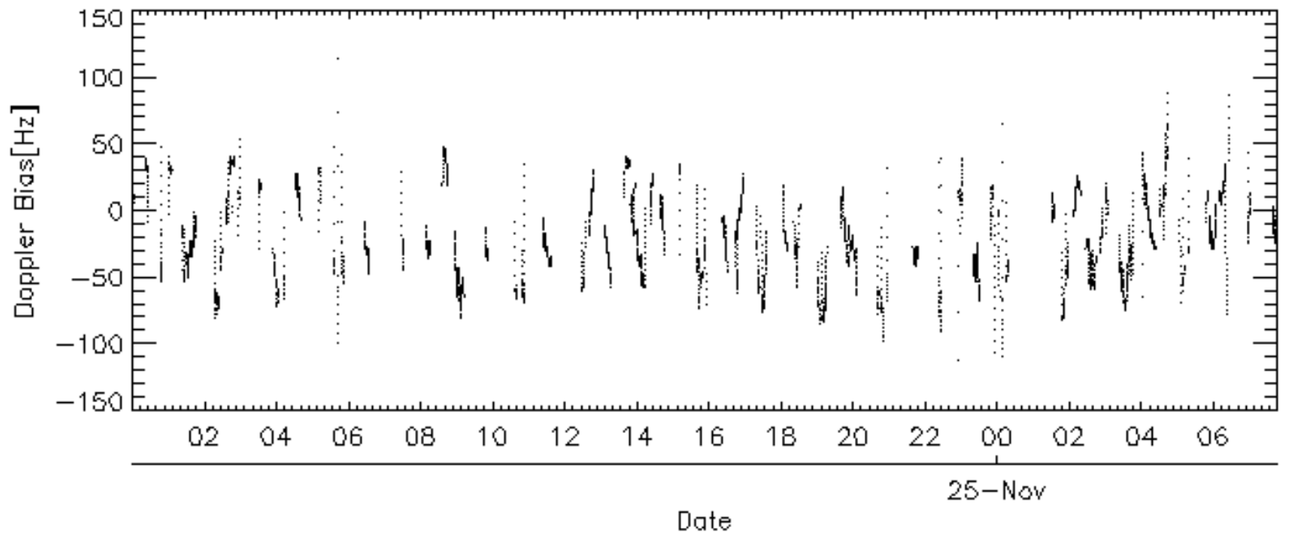

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

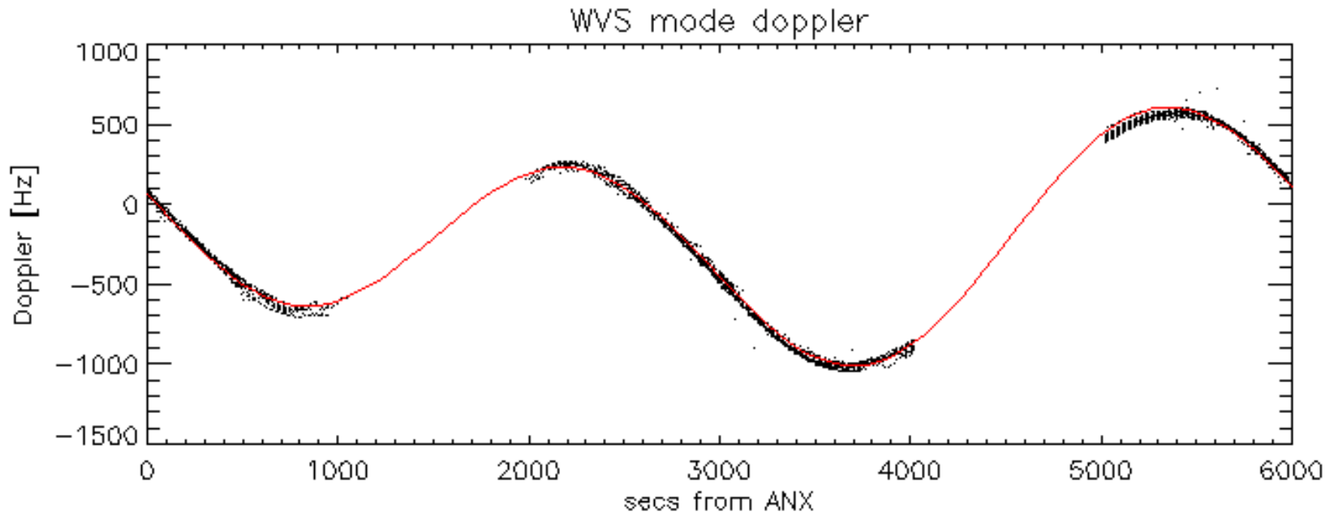

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

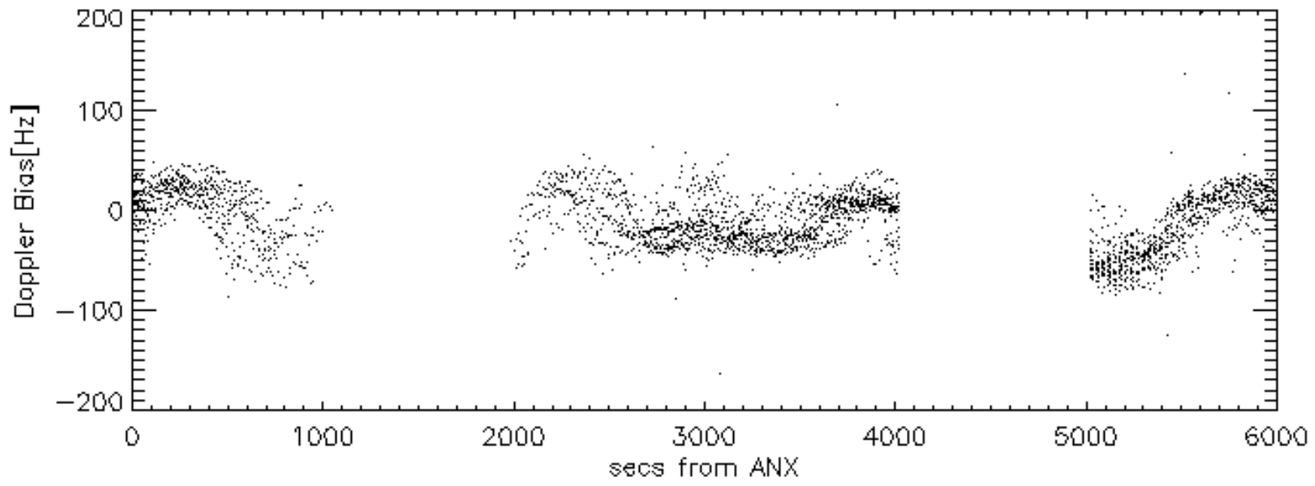

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

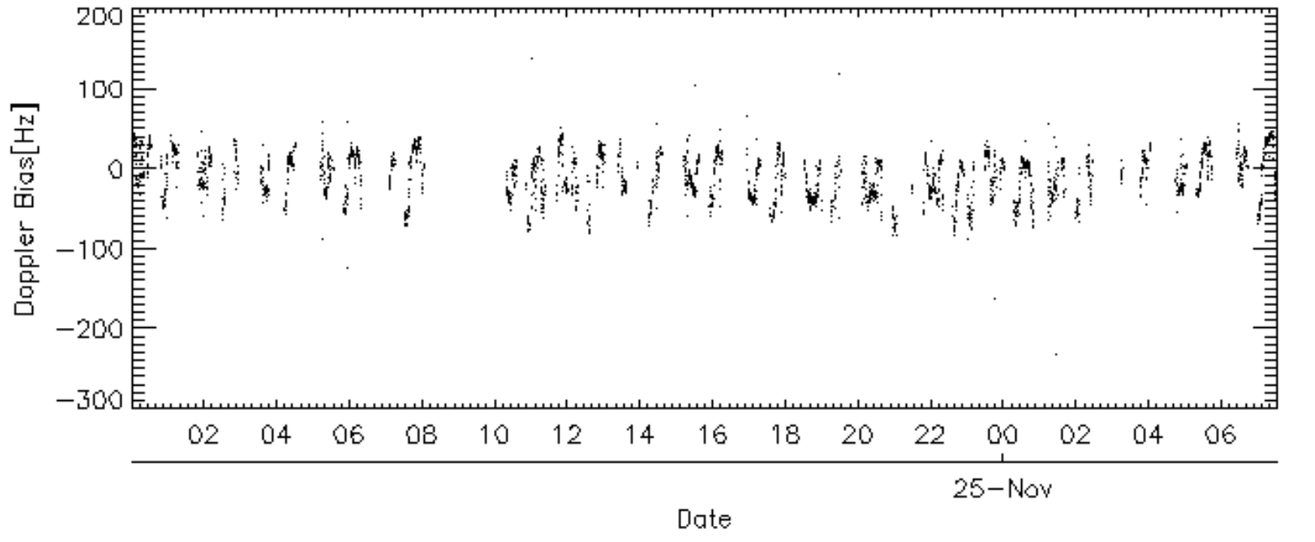

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

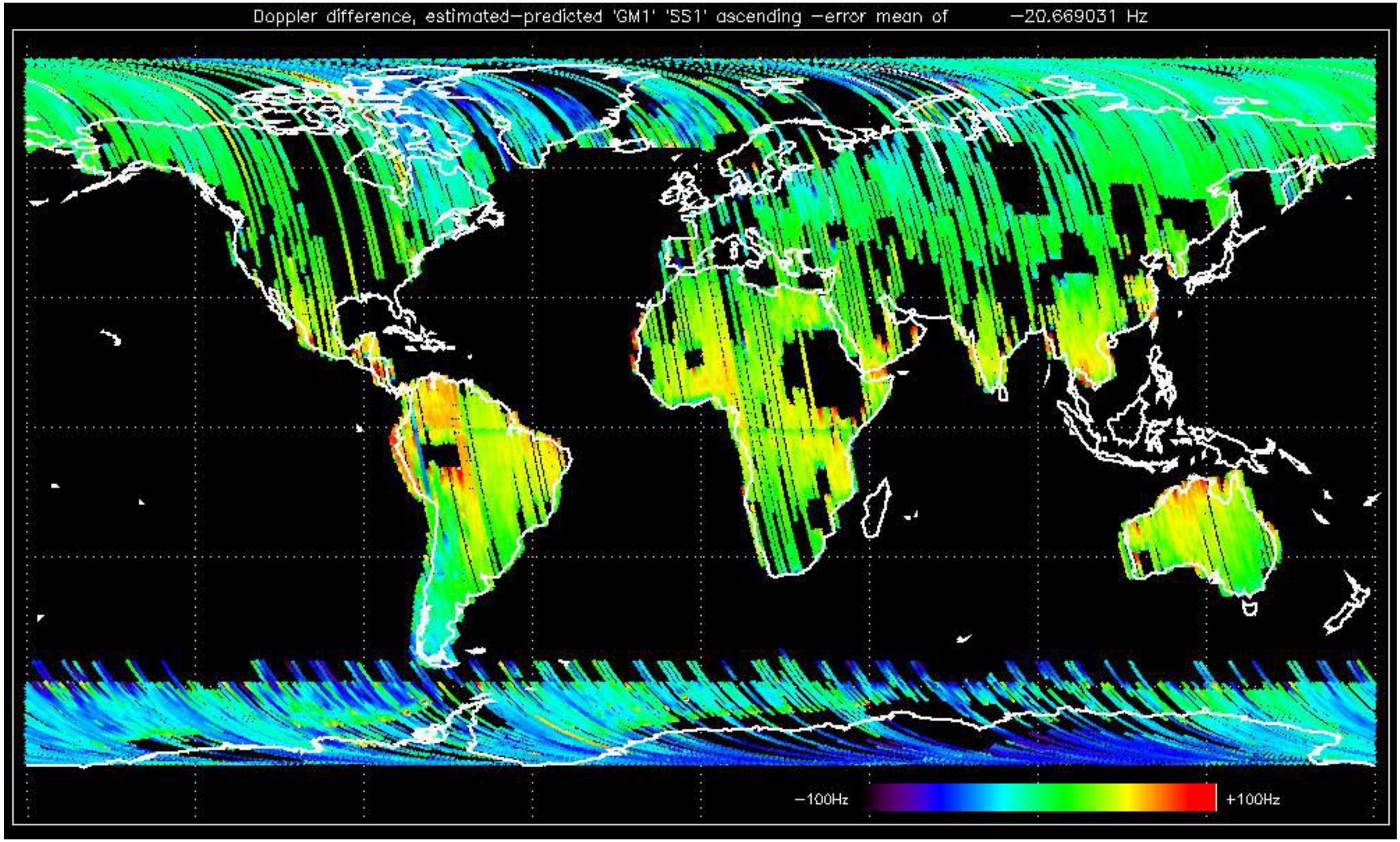

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

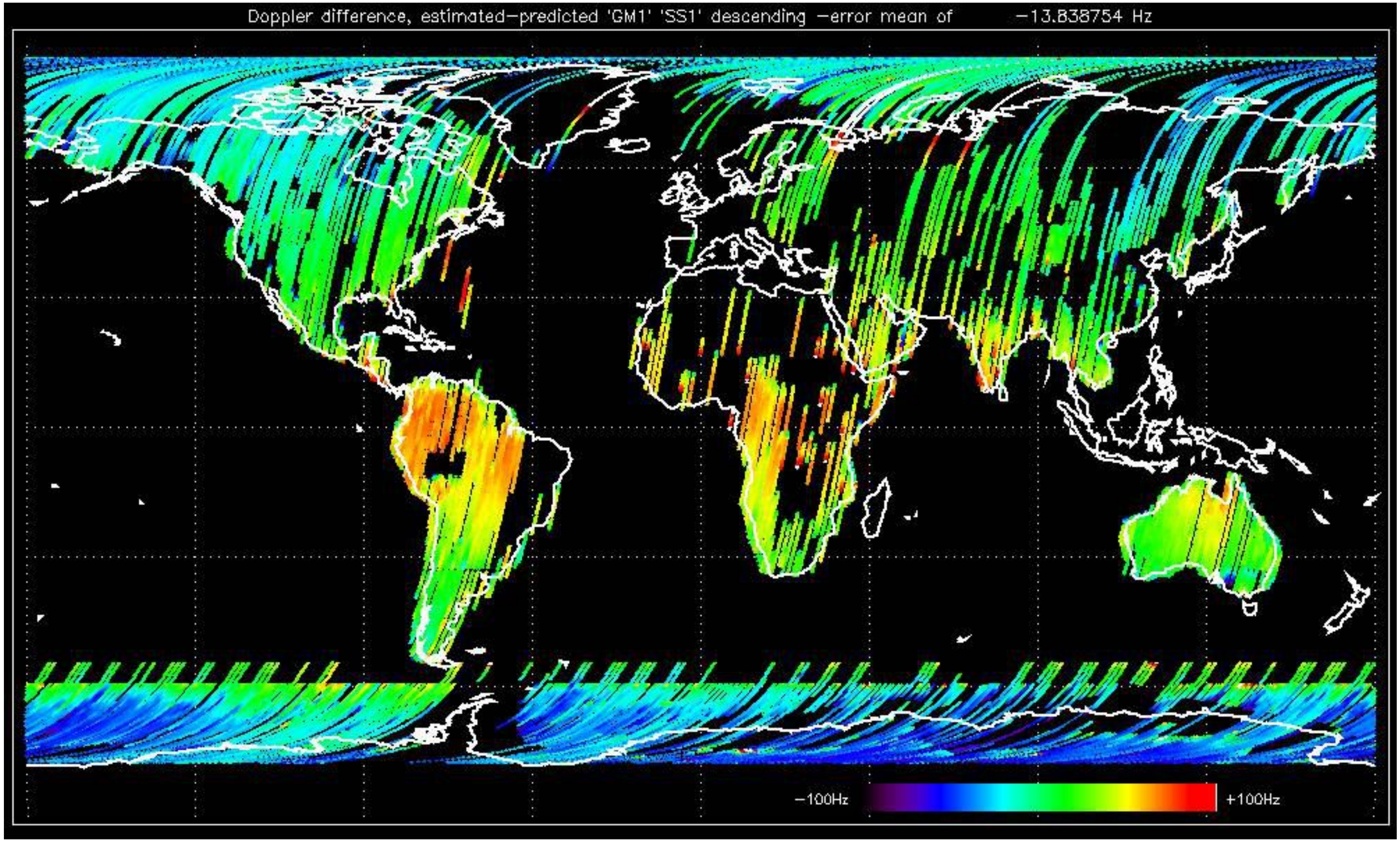

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
25−Nov
Date

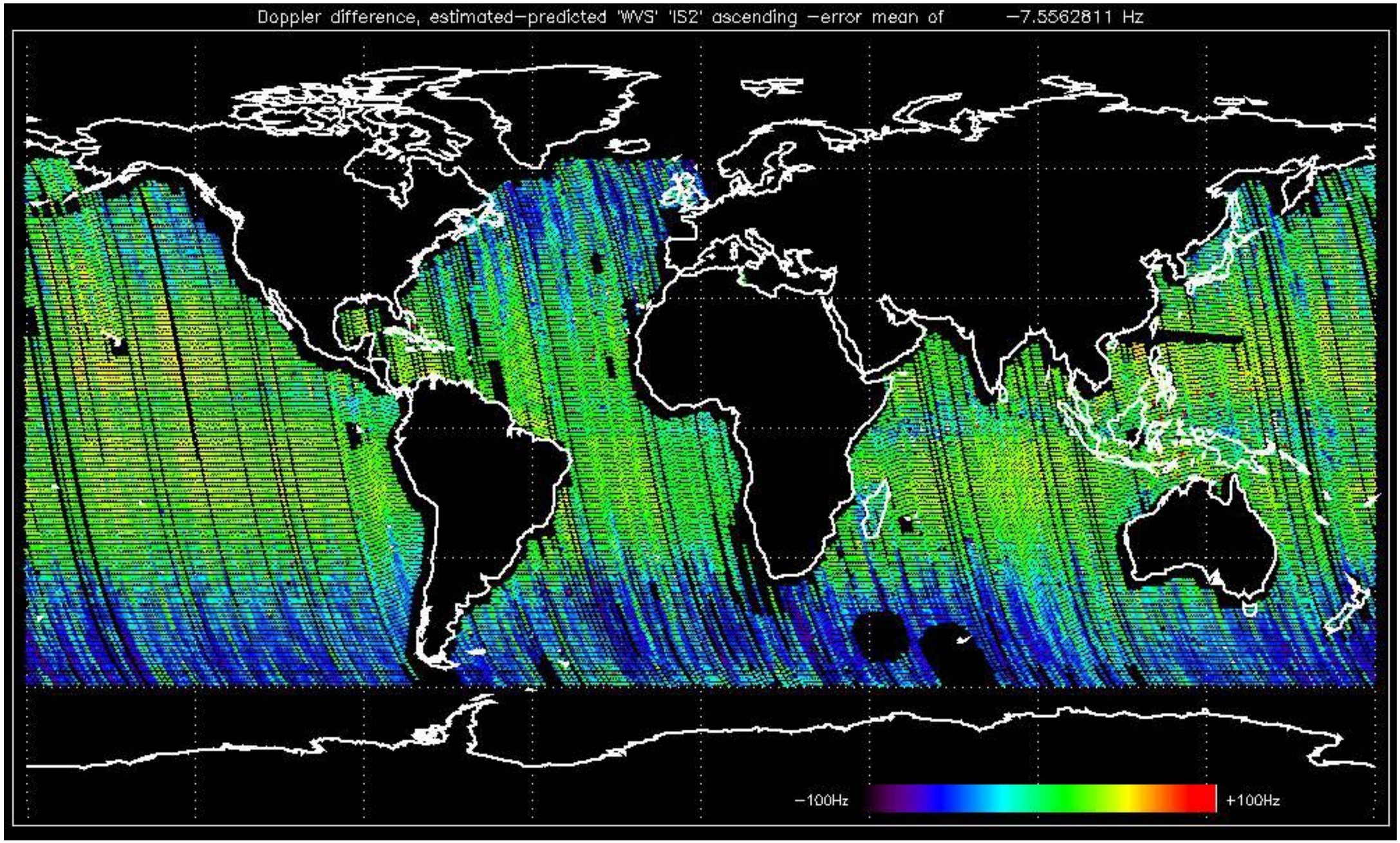

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

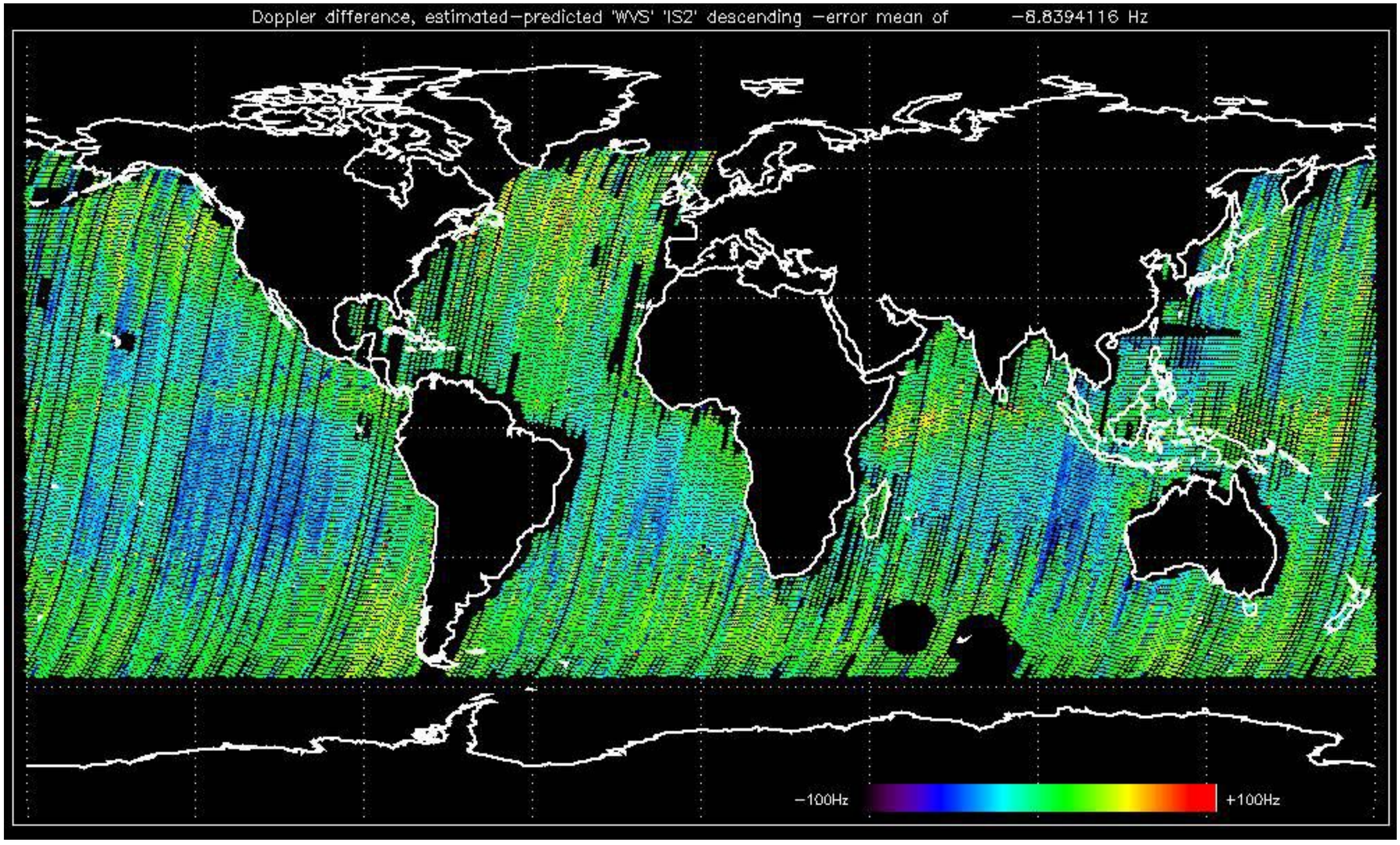

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.669031 Hz
−100Hz
+100Hz

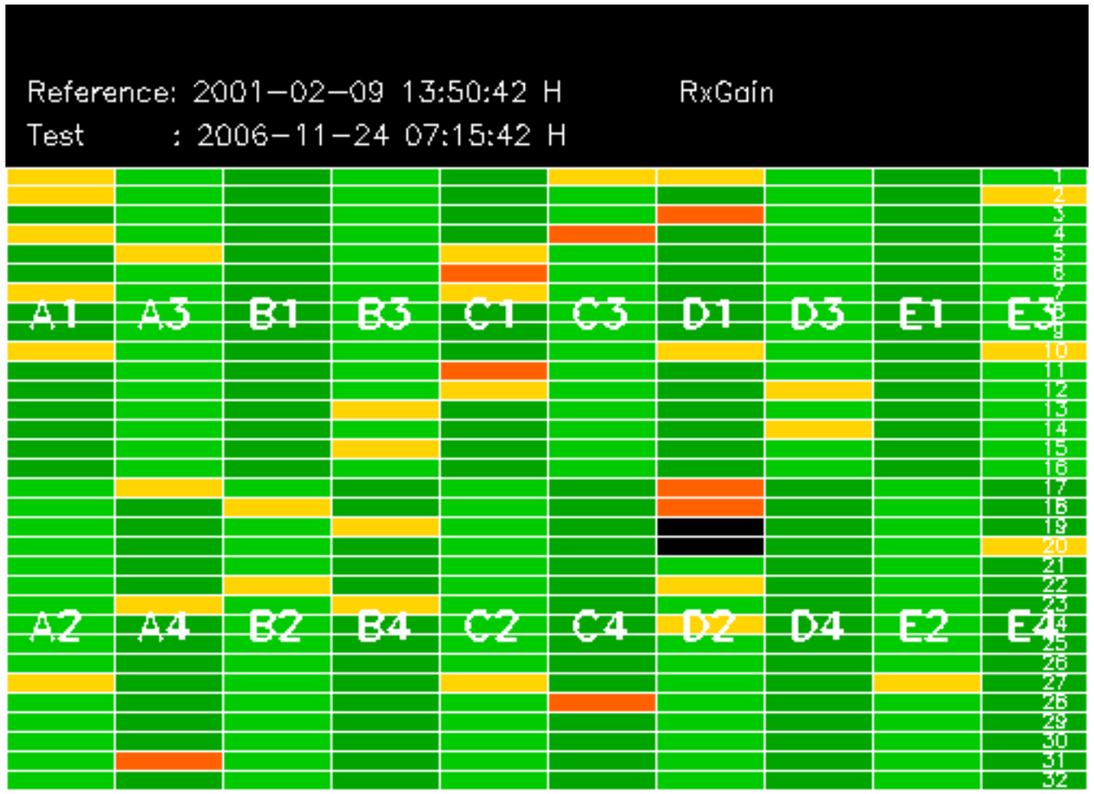

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.838754 Hz
−100Hz
+100Hz

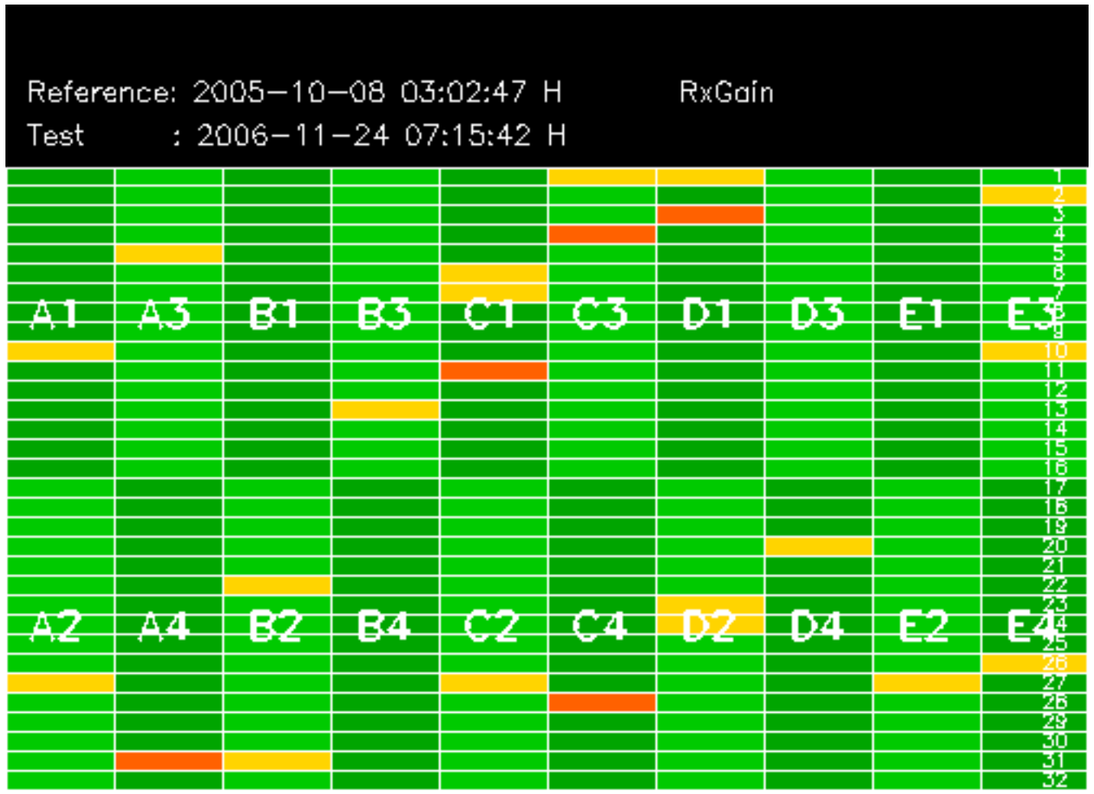

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −7.5562811 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −8.8394116 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-24 07:15:42 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-24 07:15:42 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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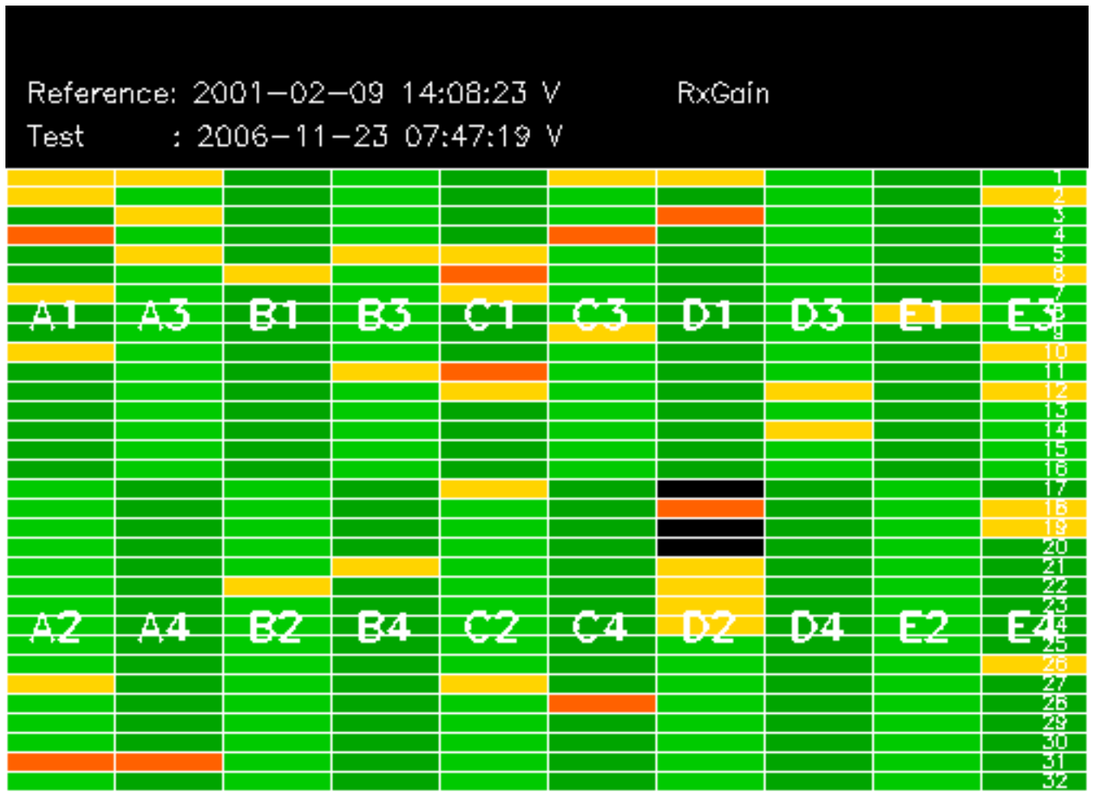
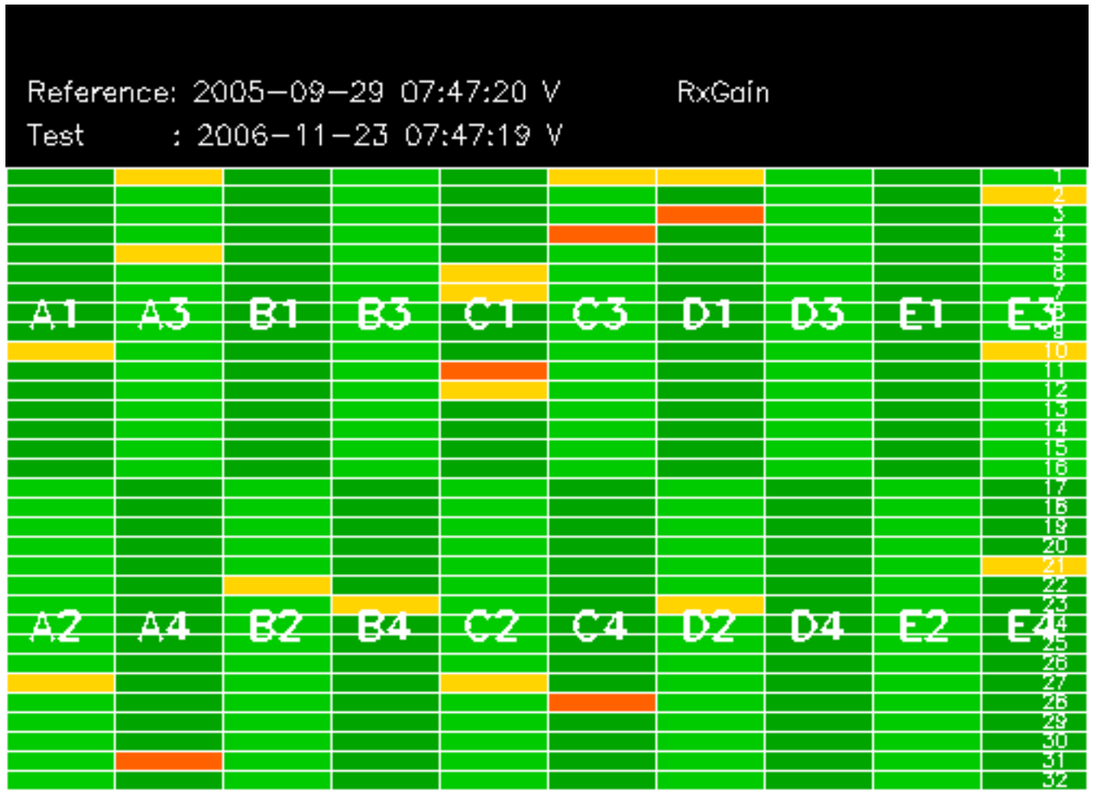

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-23 07:47:19 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-23 07:47:19 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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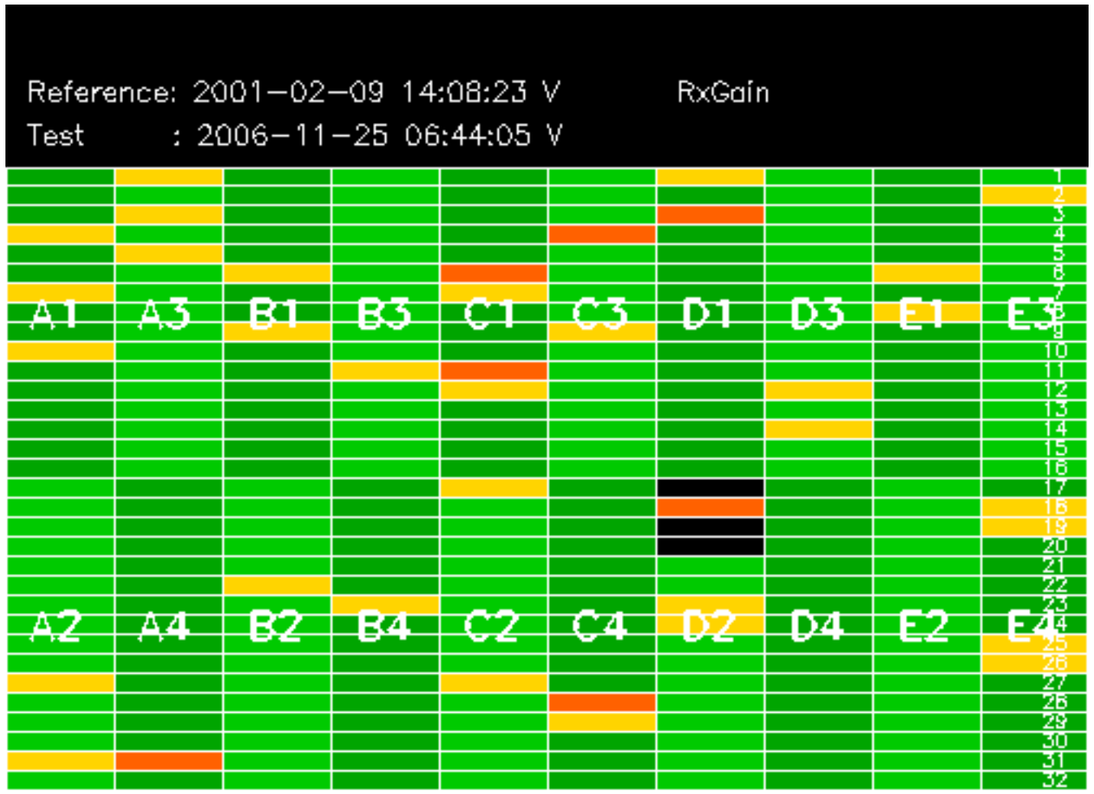
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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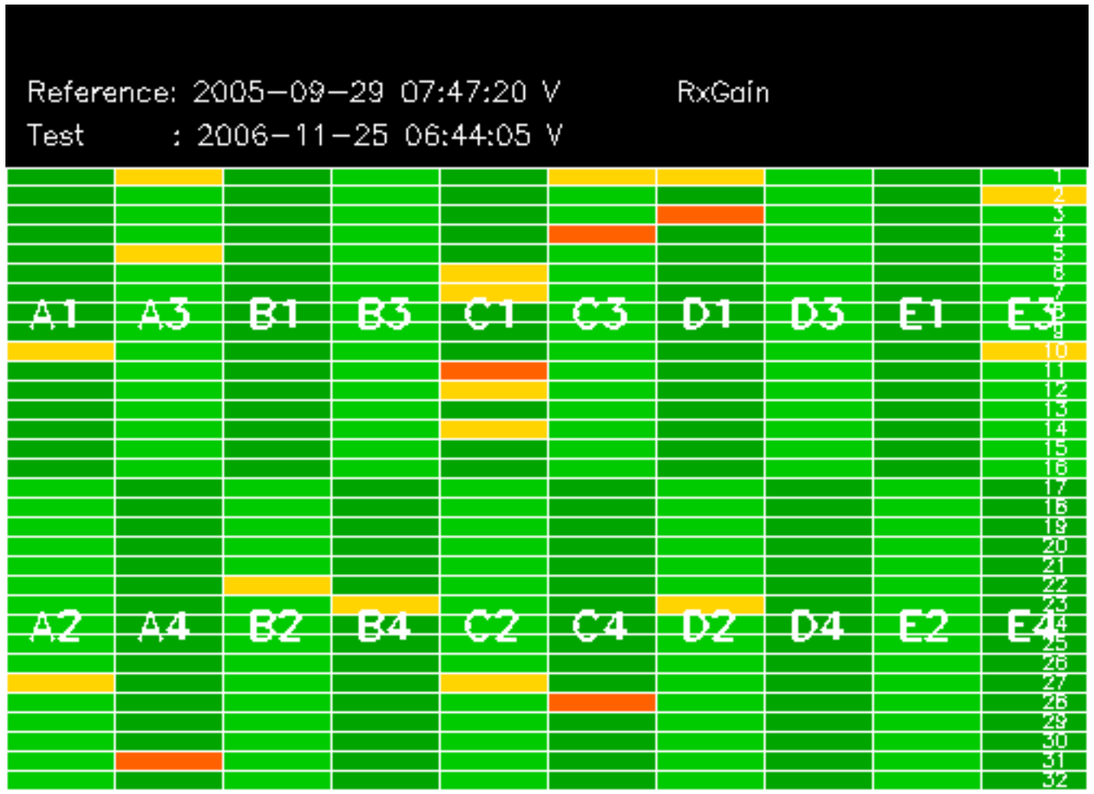
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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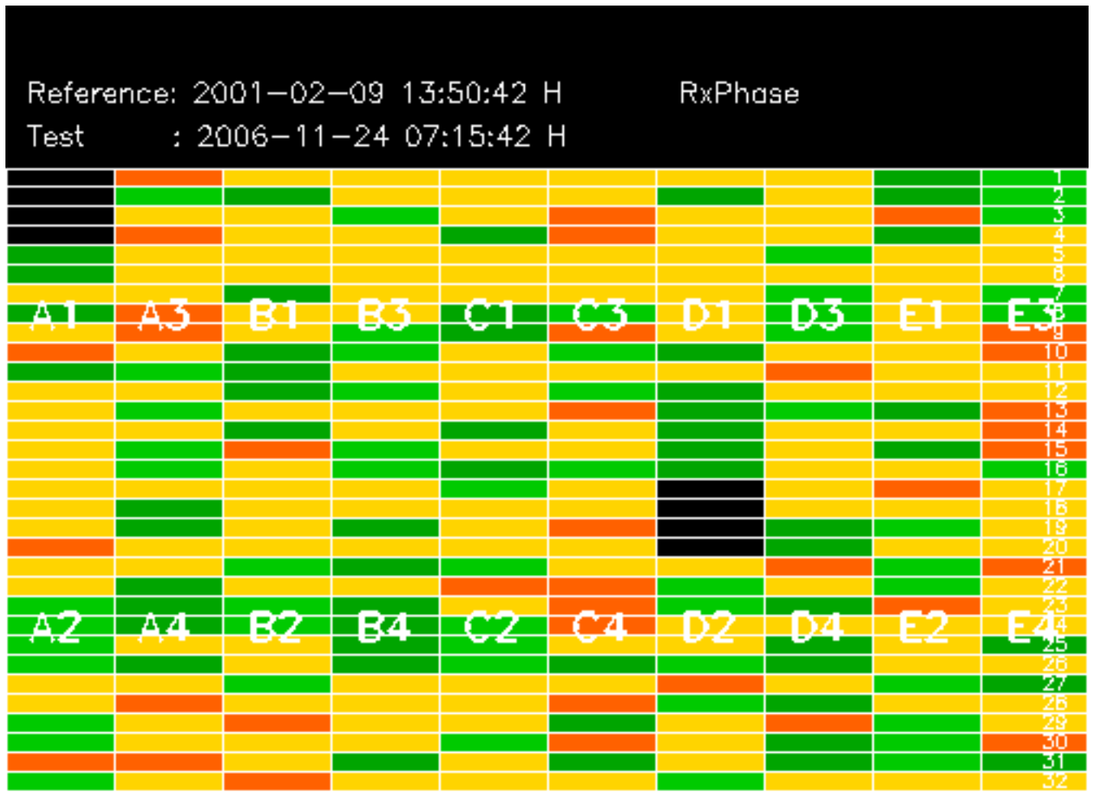
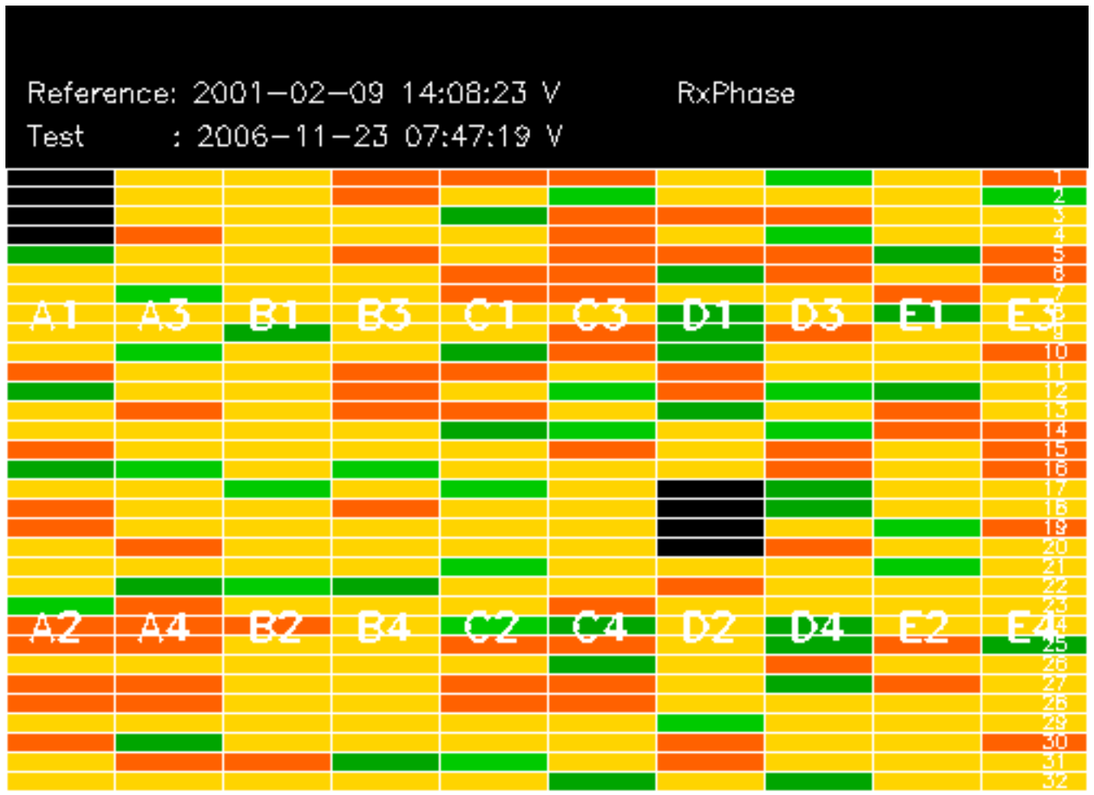
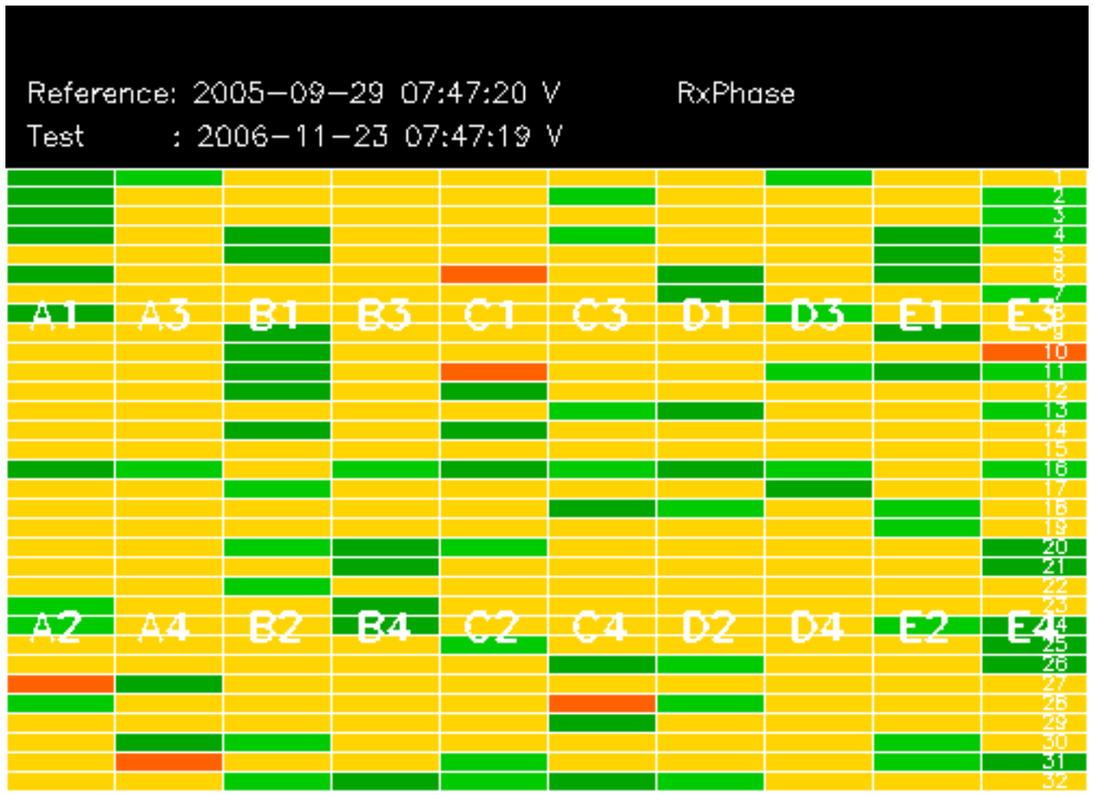
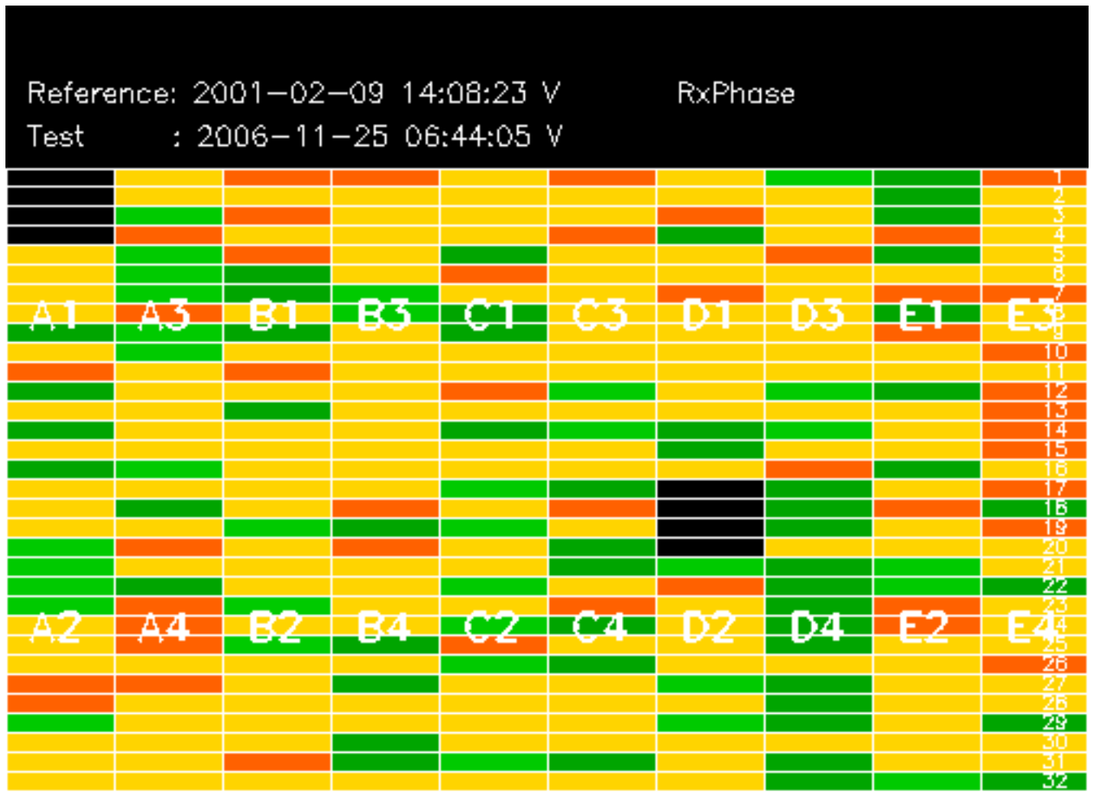

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-24 07:15:42 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-24 07:15:42 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-11-23 07:47:19 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-23 07:47:19 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 : 2006-11-25 06:44:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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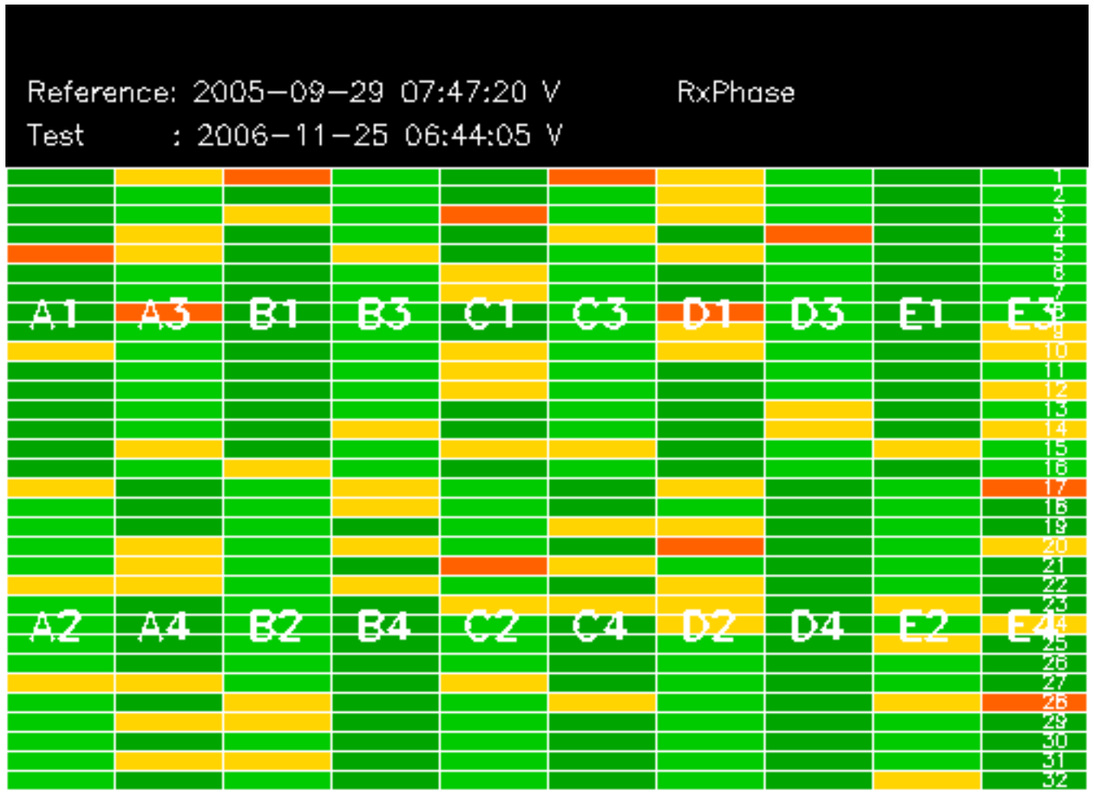
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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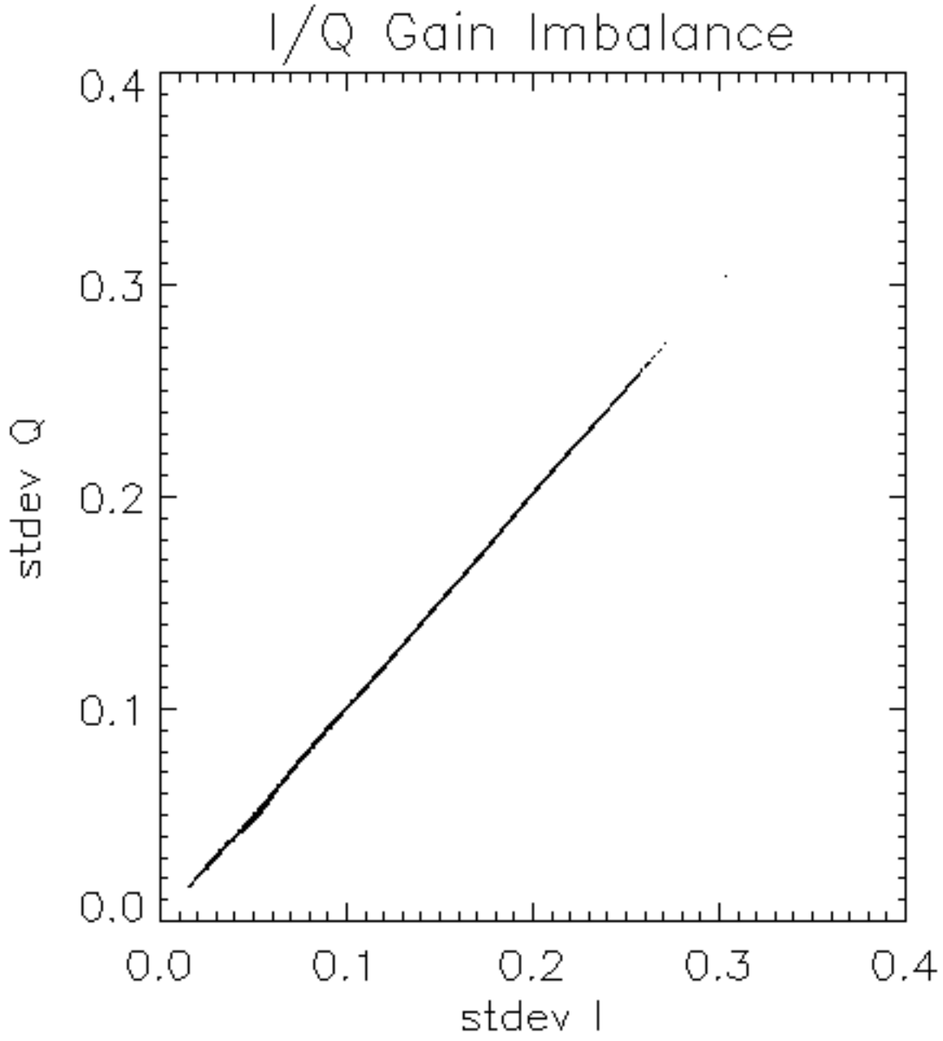
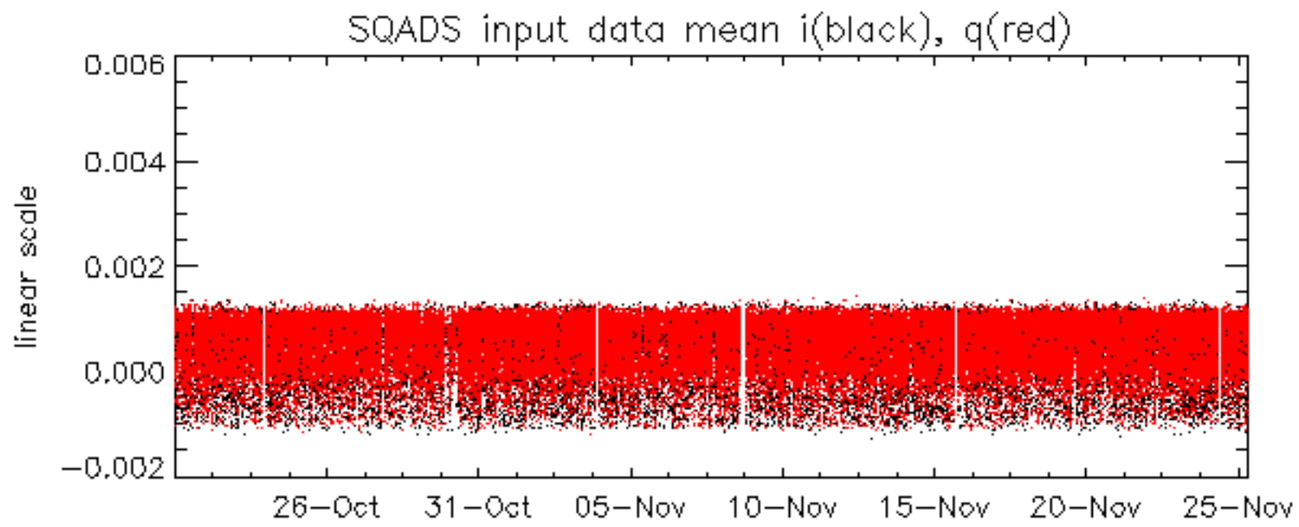
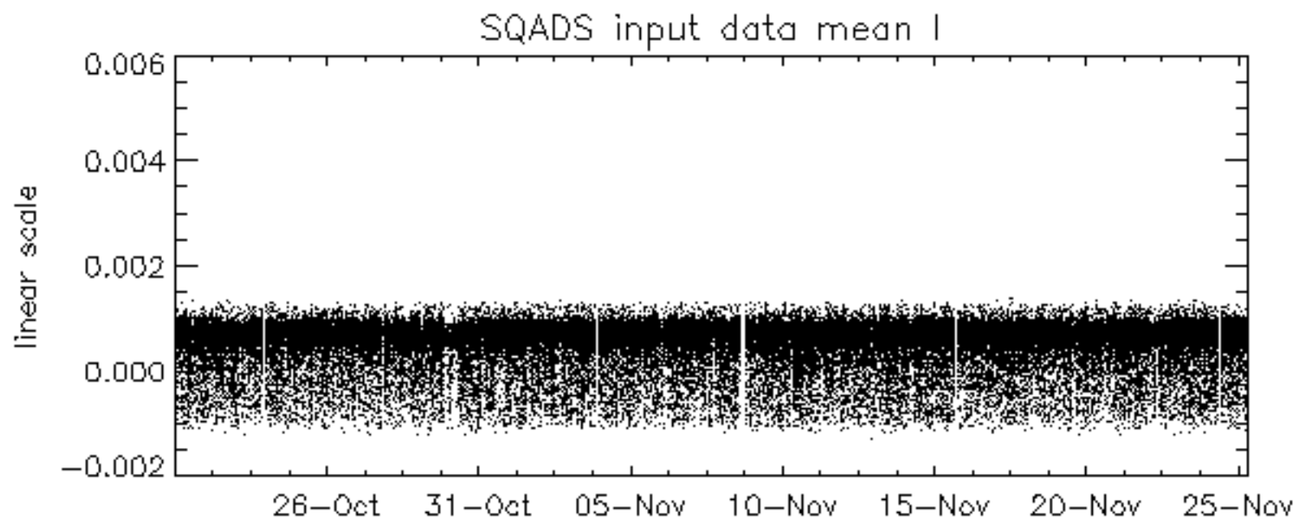
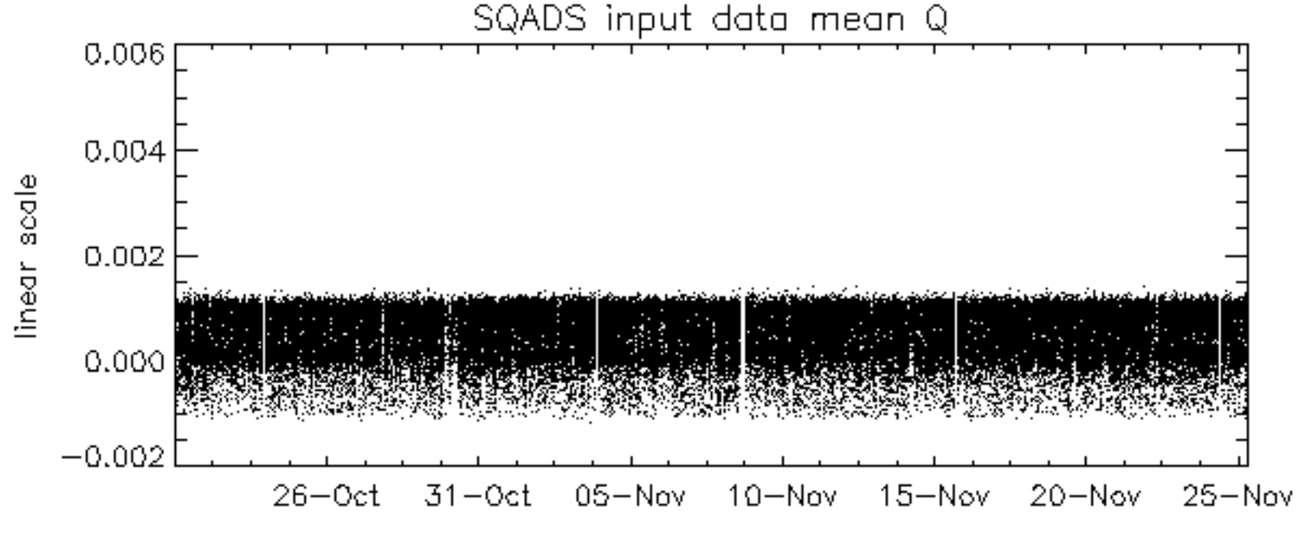
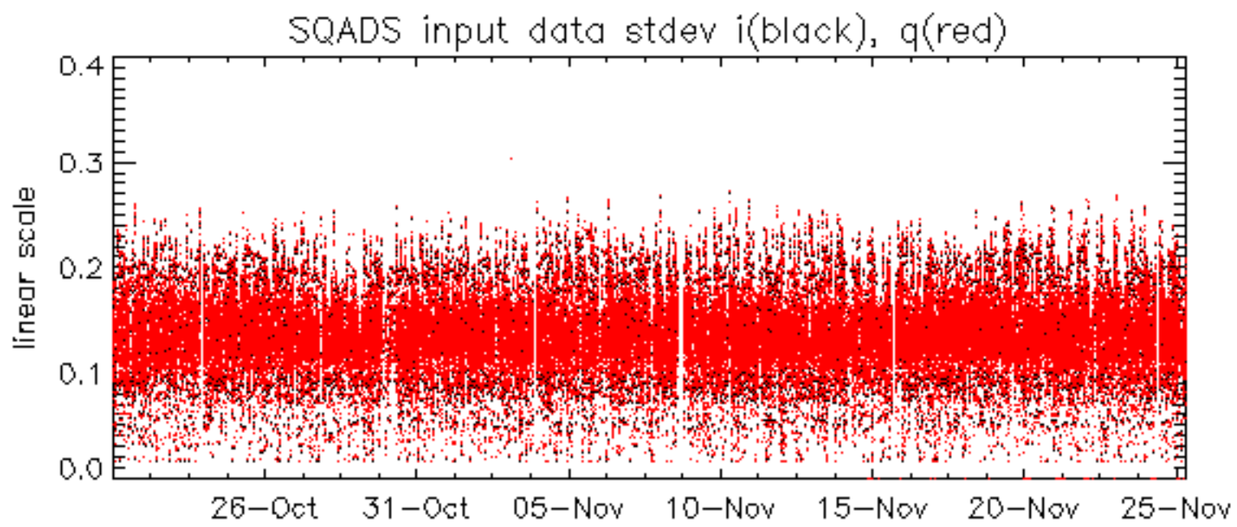
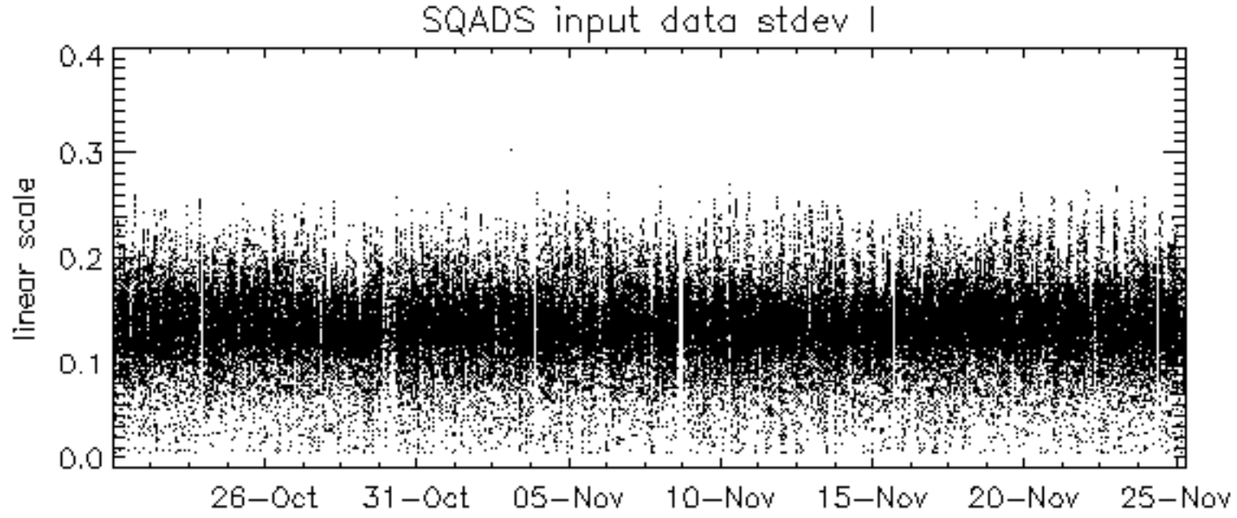

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

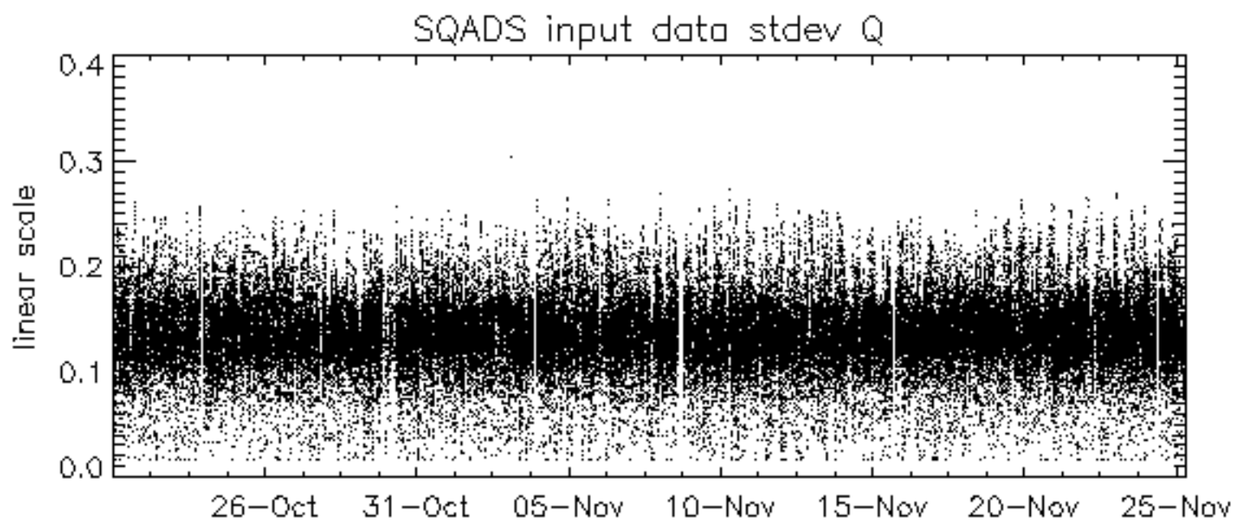

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov

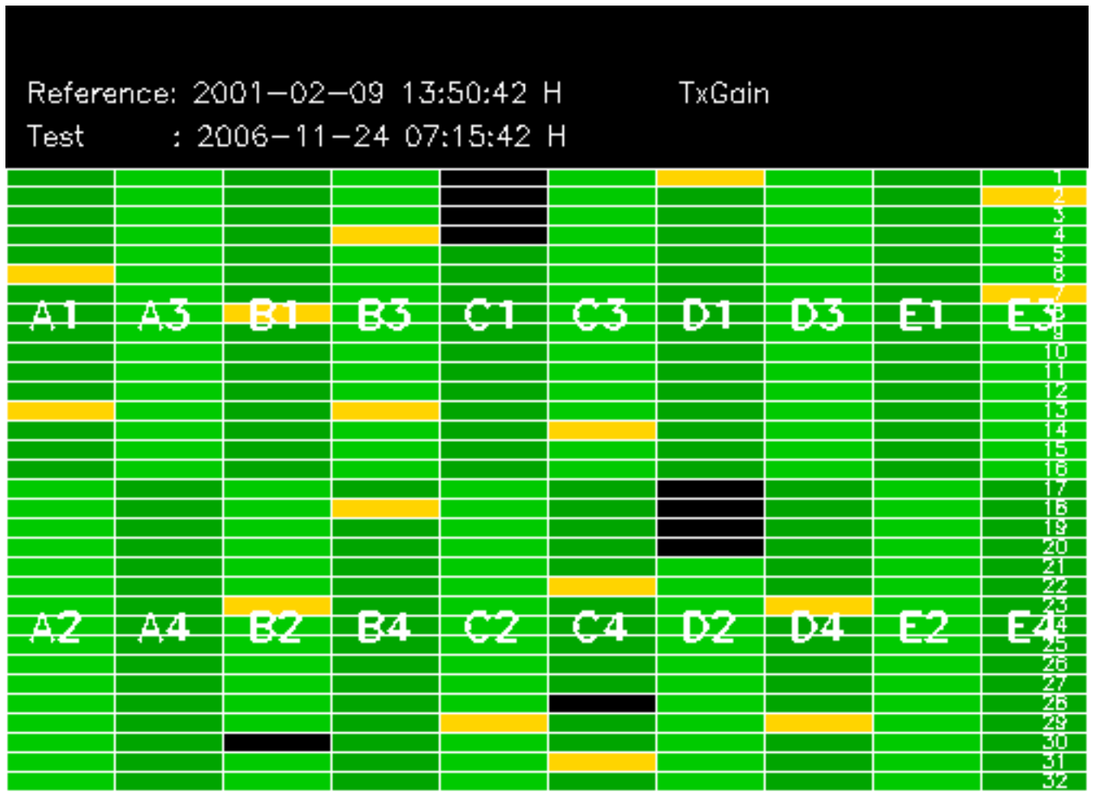

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov

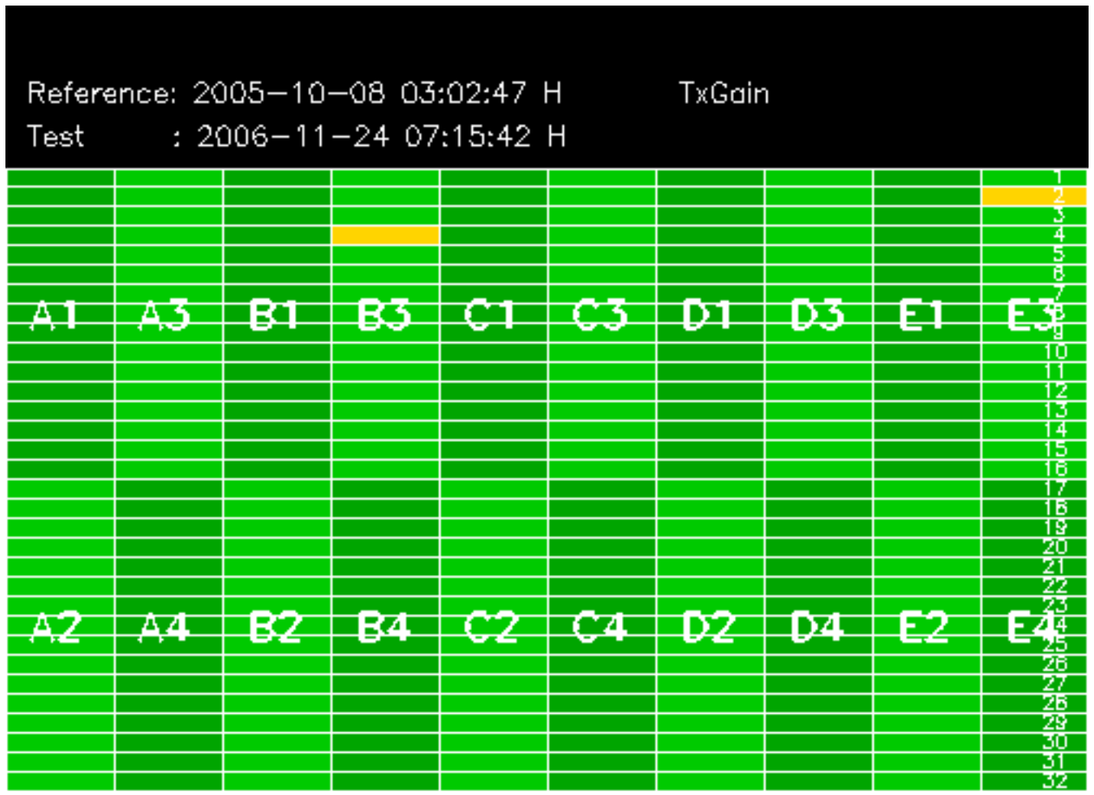

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-24 07:15:42 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-24 07:15:42 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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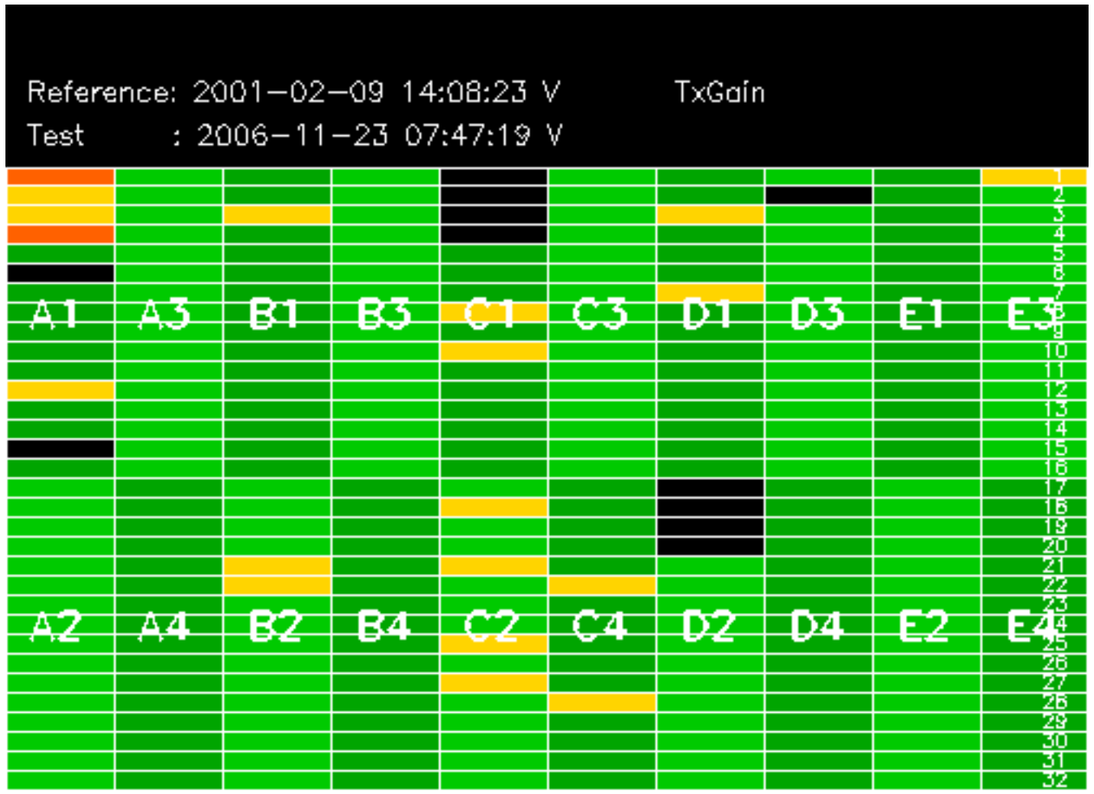
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-23 07:47:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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C4
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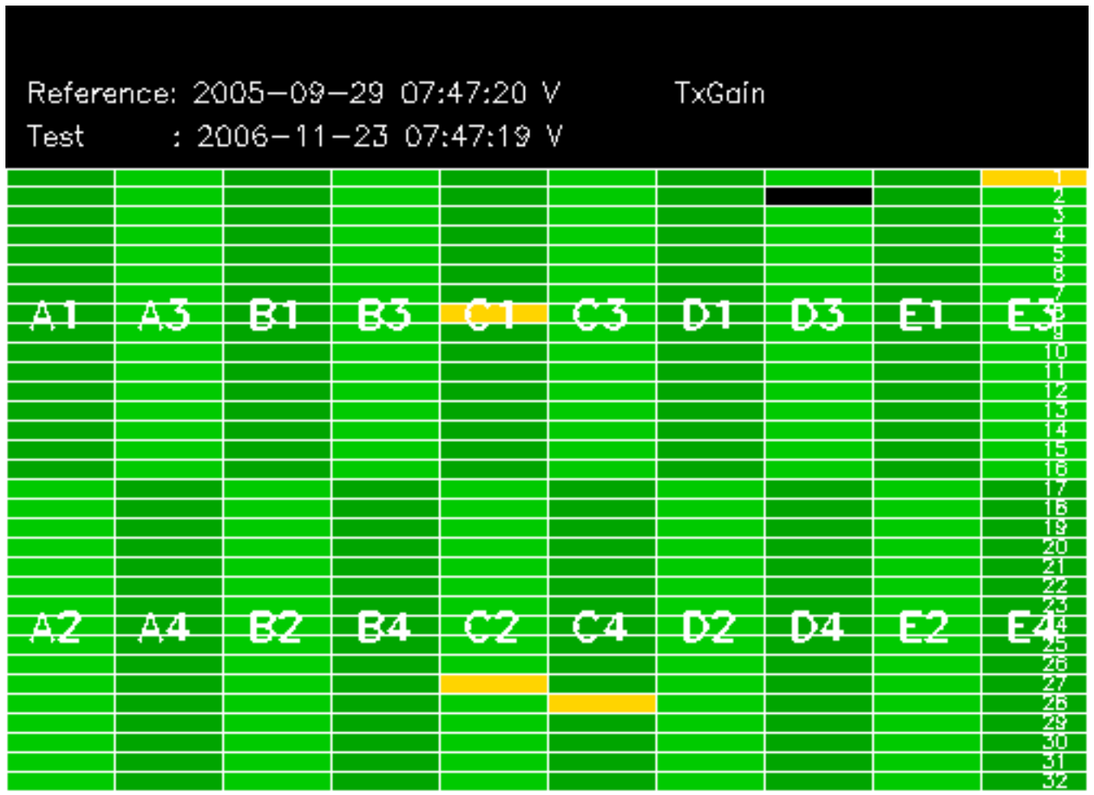
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-23 07:47:19 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
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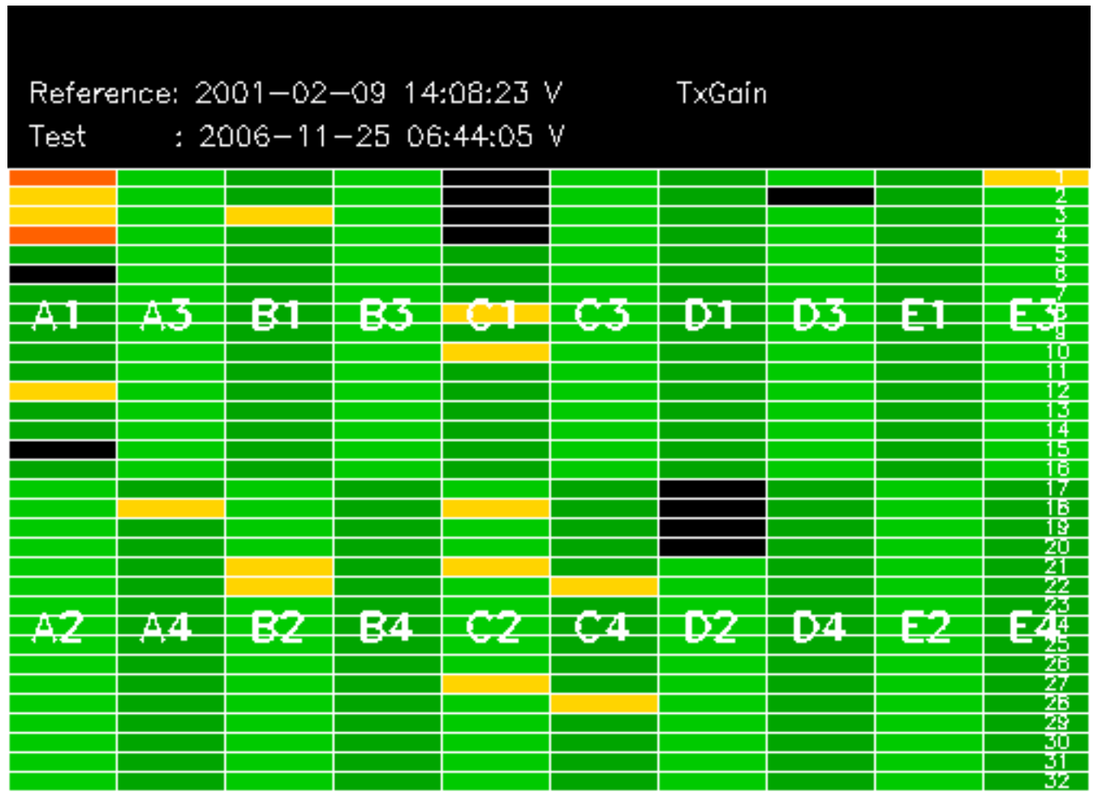
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-25 06:44:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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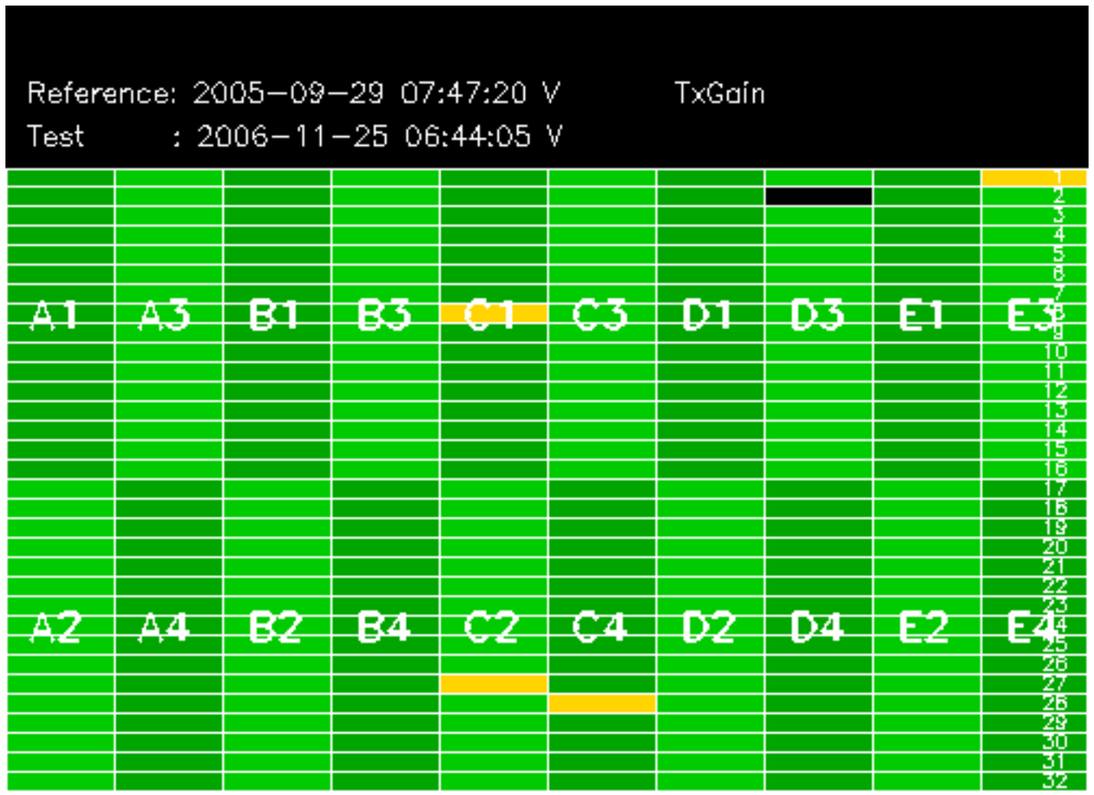
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
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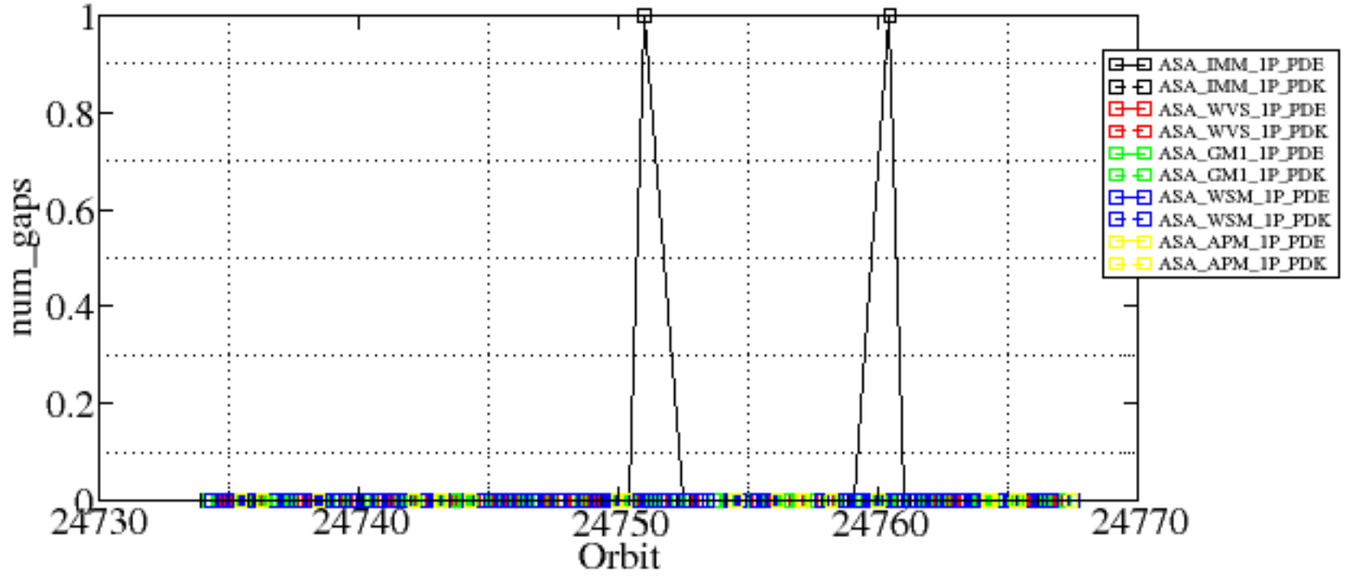
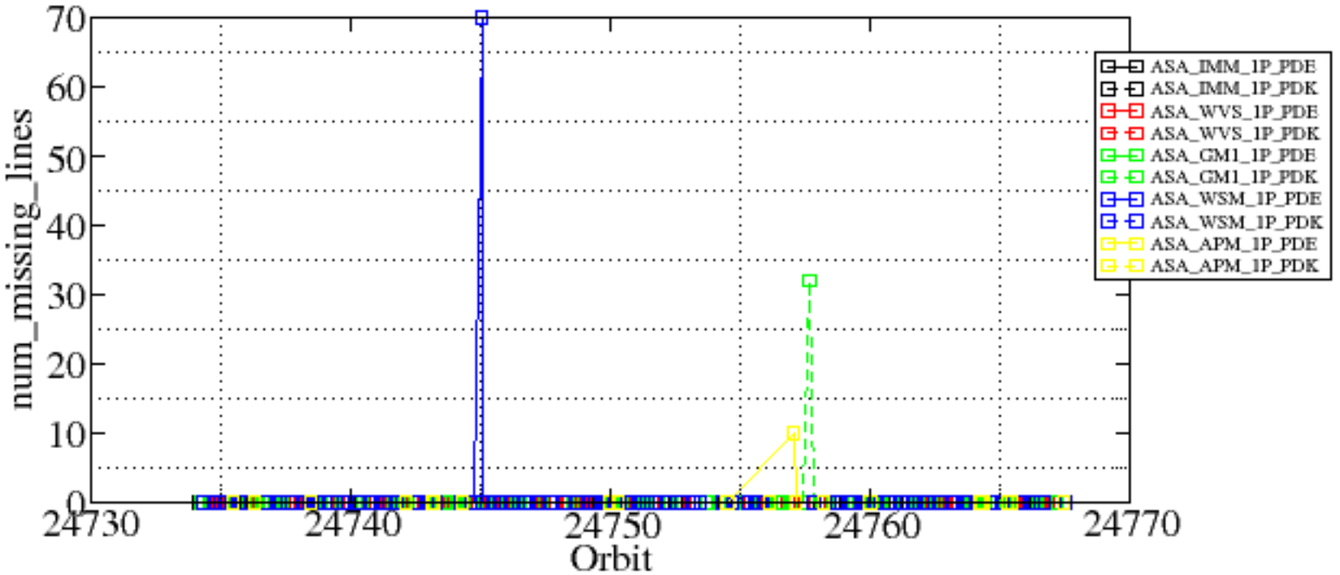
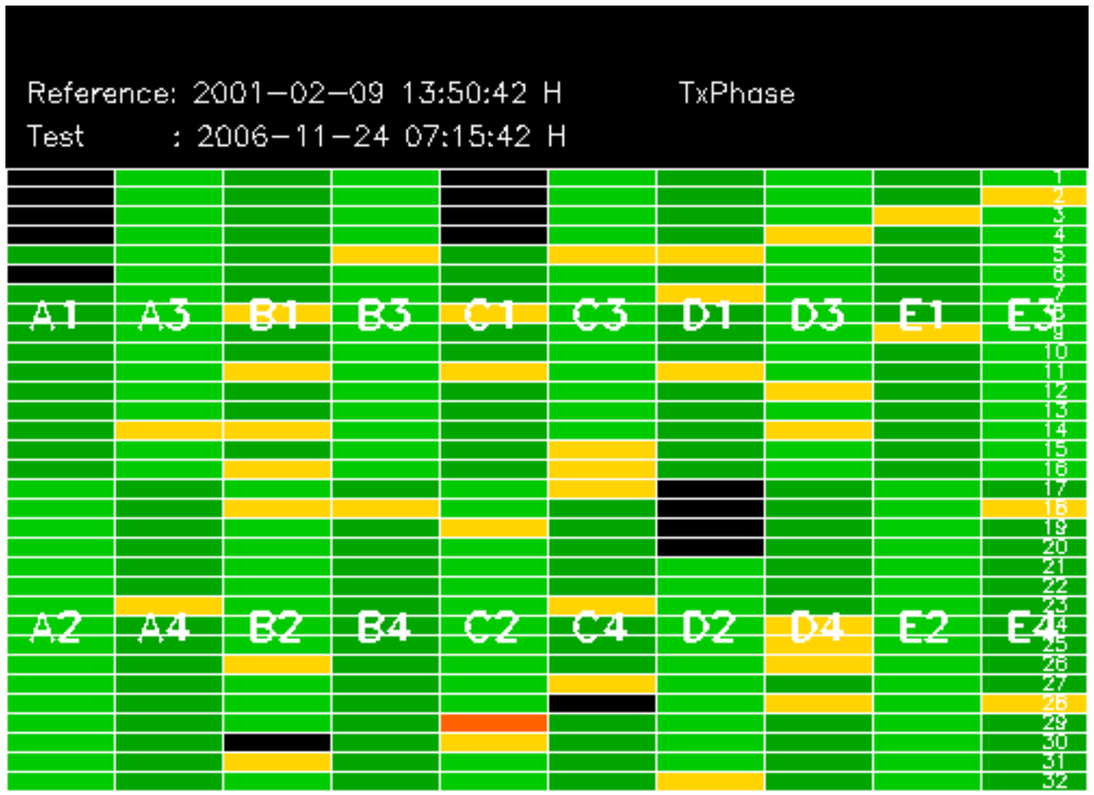
Summary of analysis for the last 3 days 2006112[345]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20061124_042634_000000782053_00147_24750_6576.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20061124_201746_000000362053_00157_24760_7594.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061124_153848_000006402053_00154_24757_9246.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061123_182823_000000862053_00142_24745_5906.N1 </td> <td>0 </td> <td>70 </td></tr>
<tr> <td>ASA_APM_1PNPDE20061124_143627_000000872053_00154_24757_7416.N1 </td> <td>0 </td> <td>10 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
24730
24740
24750
24760
24770
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
70
60
50
40
30
20
10
0
24730
24740
24750
24760
24770
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 : 2006-11-24 07:15:42 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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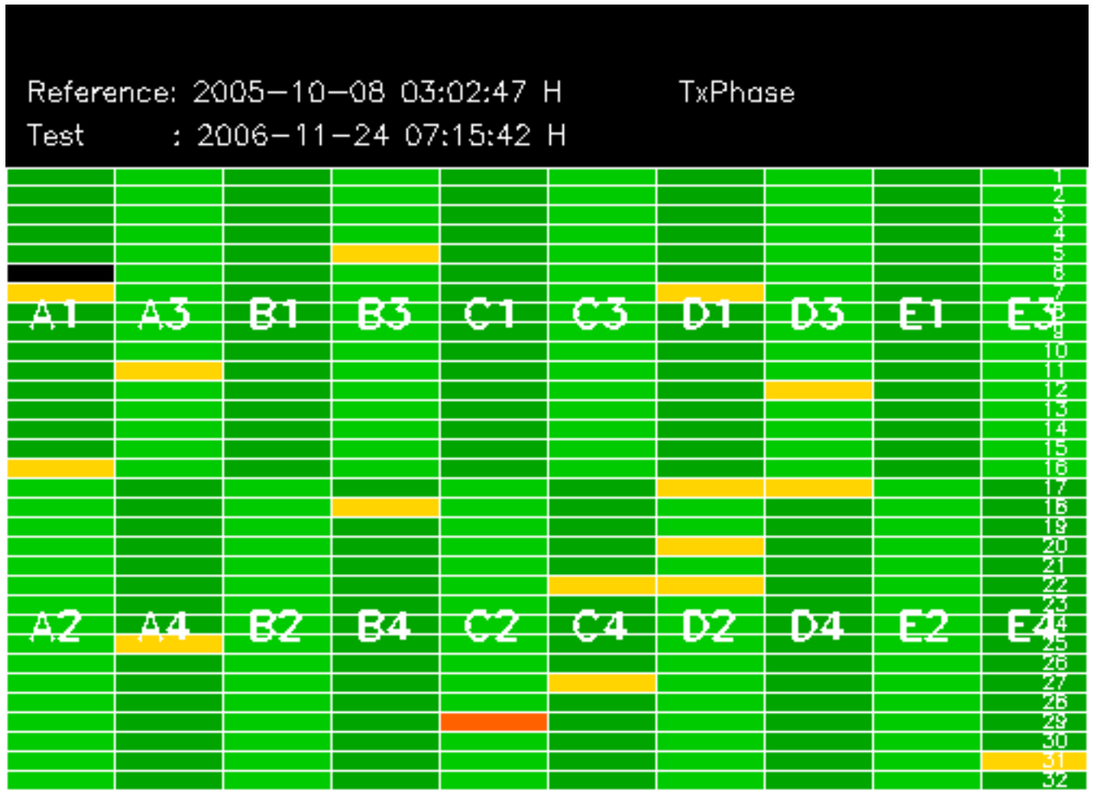
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-24 07:15:42 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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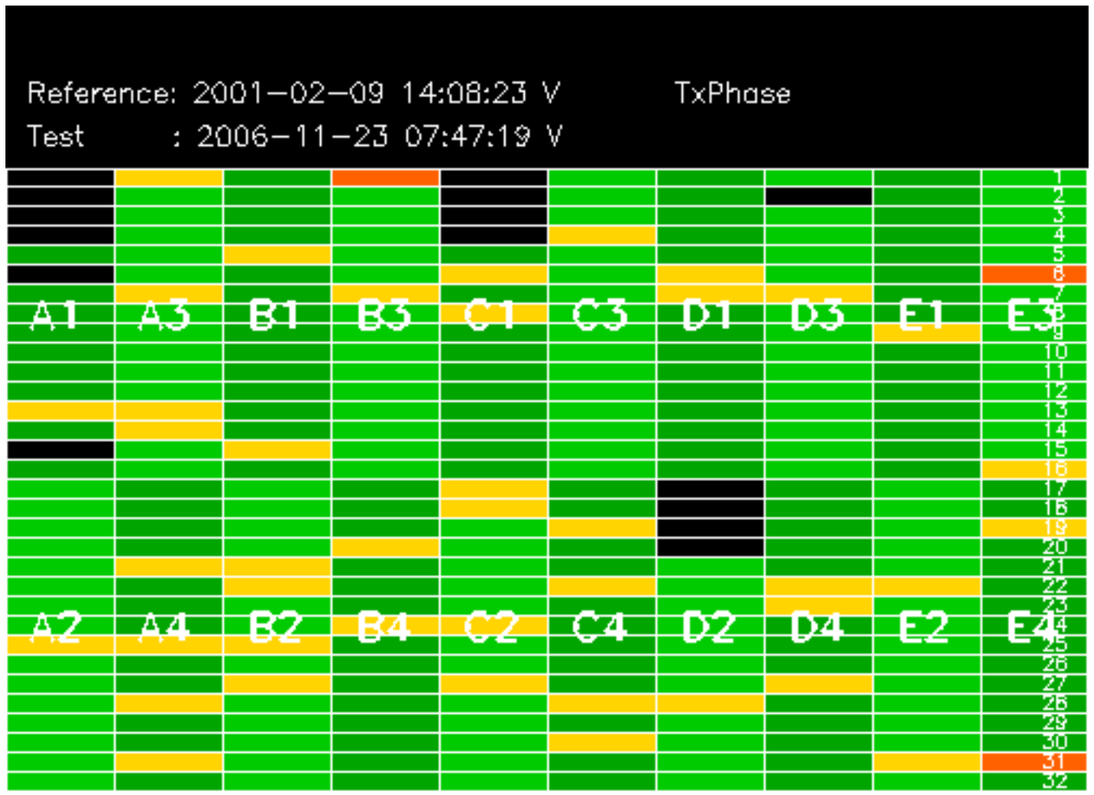
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-23 07:47:19 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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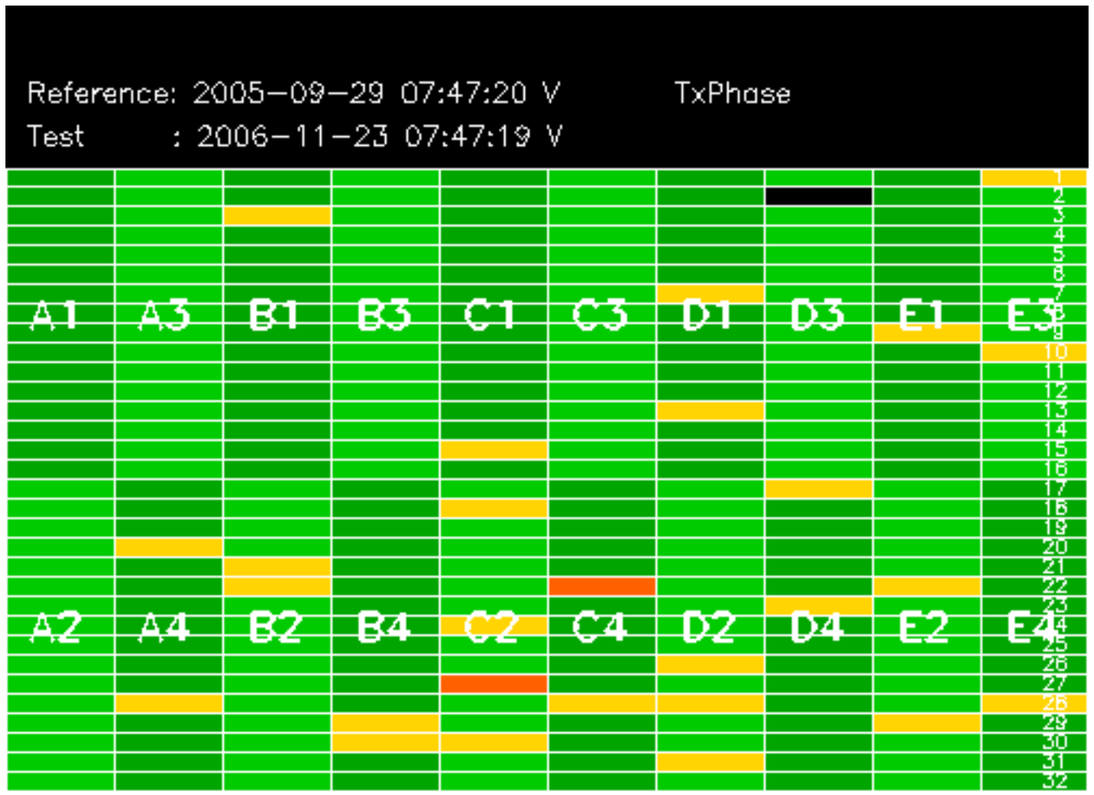
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-23 07:47:19 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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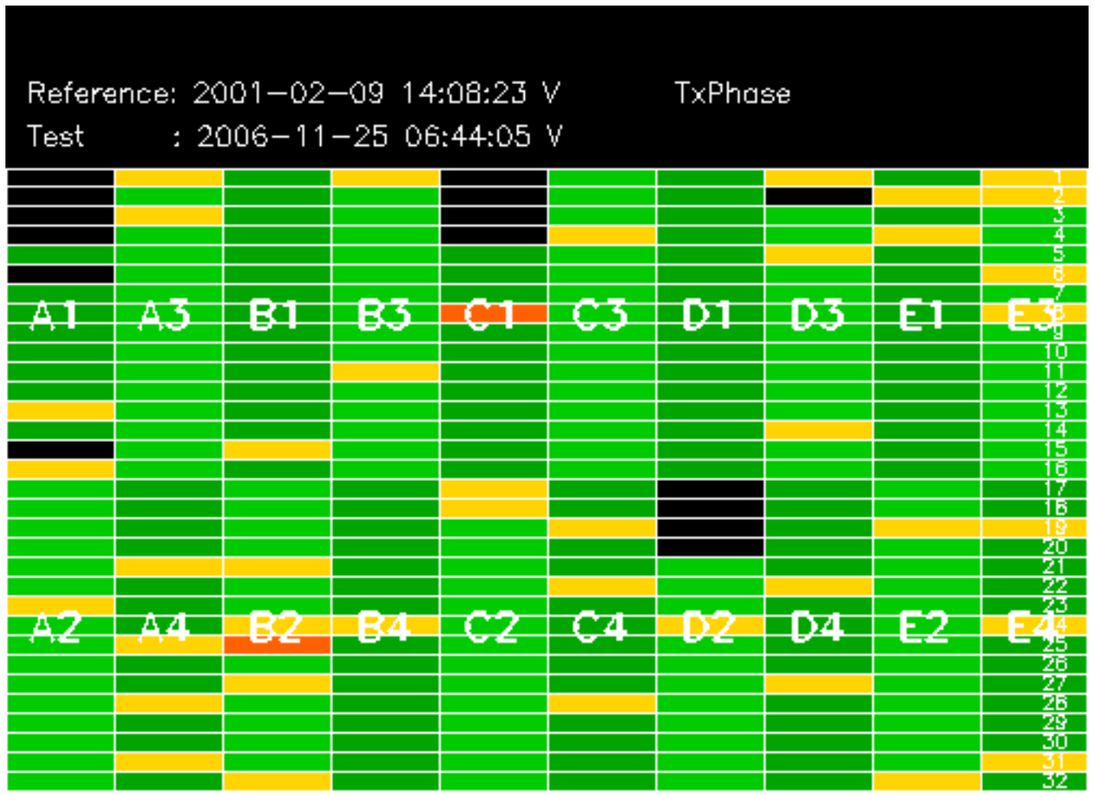
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-11-25 06:44:05 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-25 06:44:05 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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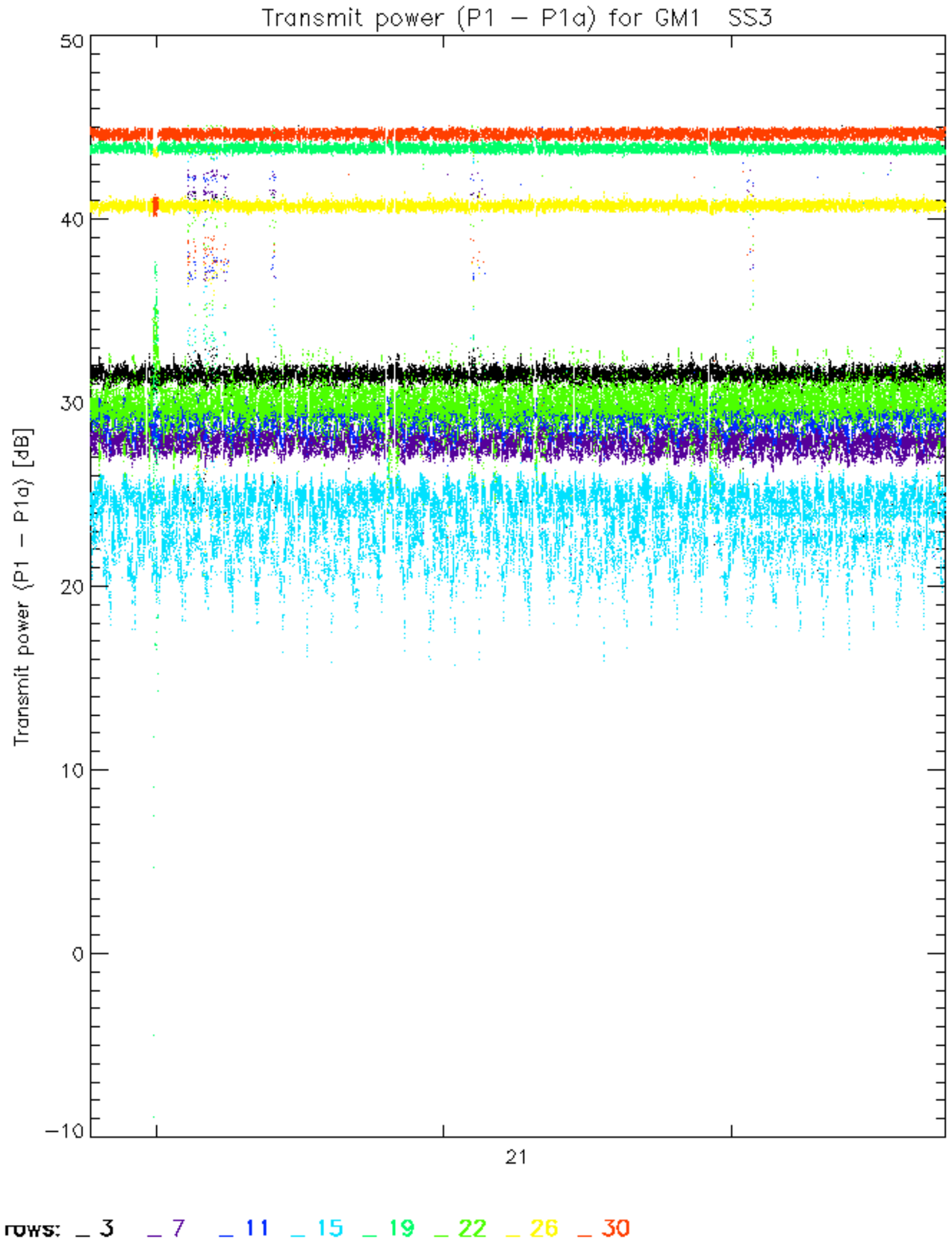
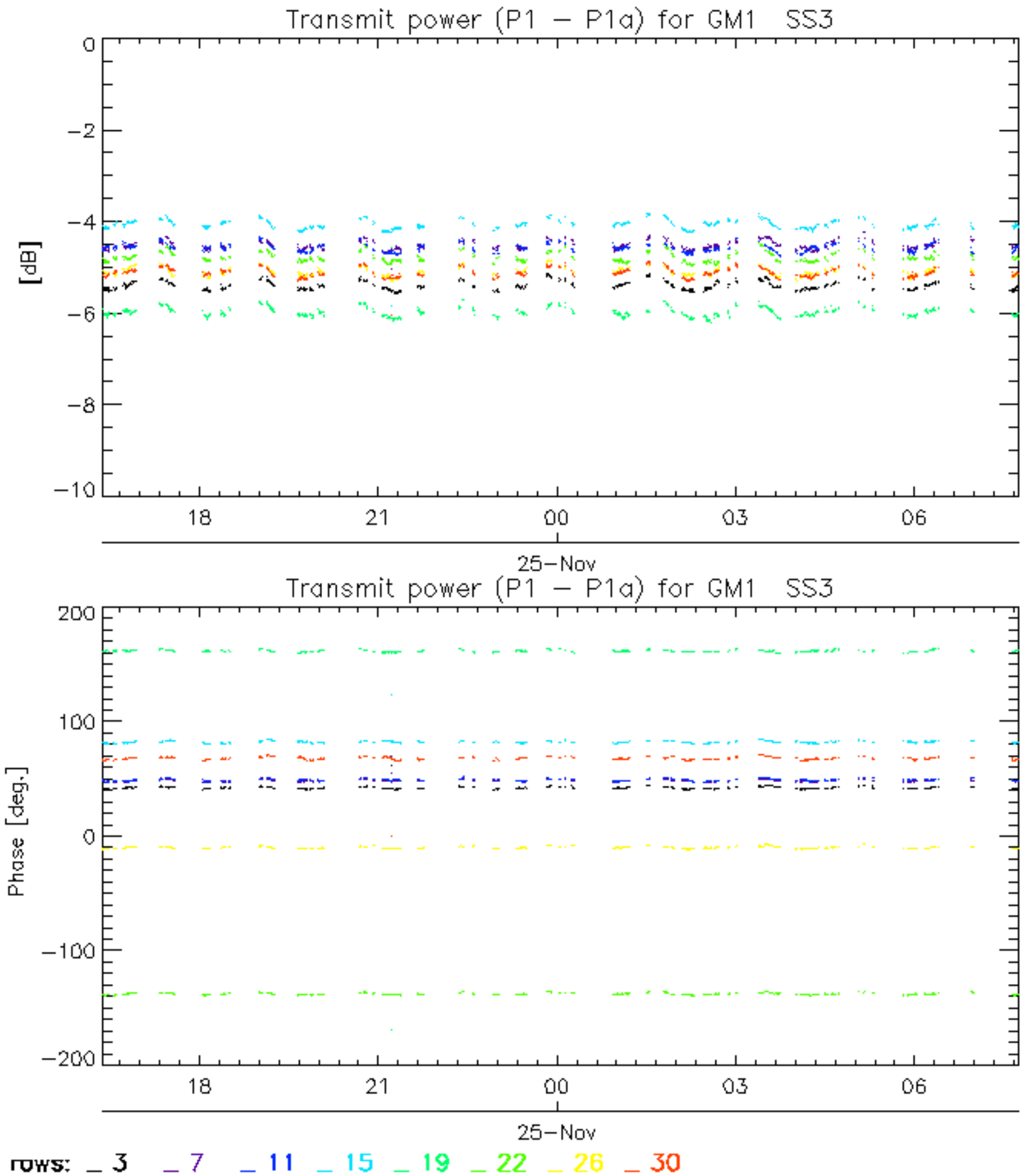
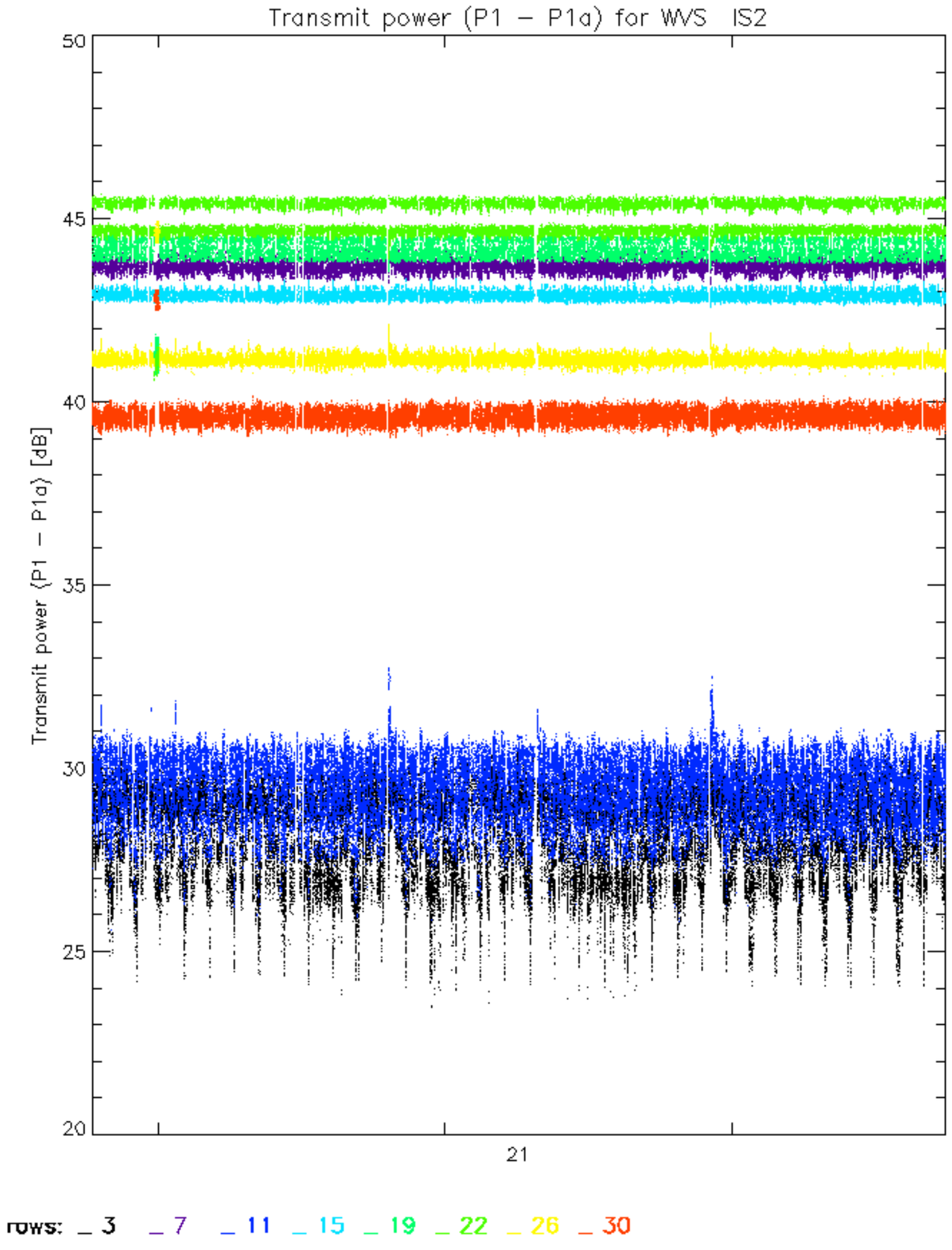
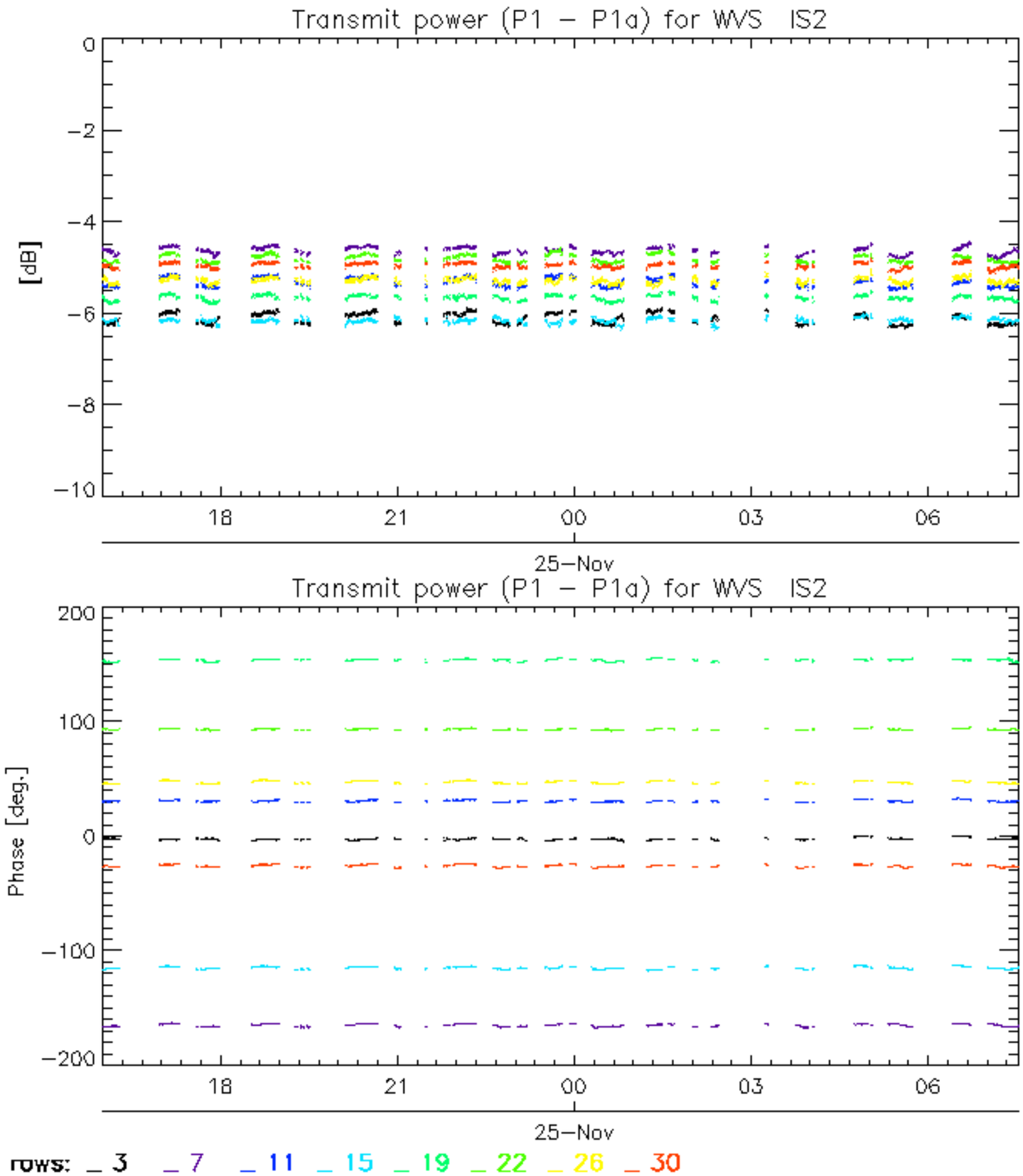

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
21
rows: 3 7 11 15 19 22 26 30


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


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

No unavailabilities during the reported period.