PRELIMINARY REPORT OF 061128

last update on Tue Nov 28 16:43:39 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 2006-11-27 00:00:00 to 2006-11-28 16:43:39

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	25	47	2	4	18
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	25	47	2	4	18
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	25	47	2	4	18
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	25	47	2	4	18

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	46	68	28	13	56
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	46	68	28	13	56
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	46	68	28	13	56
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	46	68	28	13	56

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	20061127 054051
H	20061128 050914

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
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4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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☒

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	-3.960243	0.008348	-0.024438
7	P1	-3.153181	0.023490	-0.011693
11	P1	-4.131722	0.024751	0.007713
15	P1	-6.298434	0.014351	-0.050685
19	P1	-3.610211	0.006423	-0.058059
22	P1	-4.646607	0.012763	-0.017641
26	P1	-3.949946	0.010707	0.005651
30	P1	-5.865681	0.009405	-0.044016
3	P1	-16.511610	0.235222	-0.106668
7	P1	-17.282024	0.175243	-0.036350
11	P1	-17.173151	0.457056	-0.147000
15	P1	-13.070204	0.132303	-0.030569
19	P1	-14.906178	0.090542	-0.165155
22	P1	-15.864253	0.506879	0.147741
26	P1	-15.054008	0.197826	0.055303
30	P1	-17.474716	0.473726	-0.093885

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.843477	0.091035	0.030652
7	P2	-21.732164	0.093962	-0.005420
11	P2	-15.650847	0.102443	0.033224
15	P2	-7.124544	0.106159	-0.001236
19	P2	-9.192181	0.104056	0.004974
22	P2	-18.235584	0.096239	-0.032495
26	P2	-16.553080	0.110300	-0.046692
30	P2	-19.476742	0.088076	0.001291

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.241530	0.008384	-0.028465
7	P3	-8.241530	0.008384	-0.028465
11	P3	-8.241530	0.008384	-0.028465
15	P3	-8.241530	0.008384	-0.028465
19	P3	-8.241530	0.008384	-0.028465
22	P3	-8.241530	0.008384	-0.028465
26	P3	-8.241600	0.008397	-0.028574
30	P3	-8.241600	0.008397	-0.028574

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	-3.913384	0.056928	0.017402
7	P1	-2.522884	0.336267	0.138740
11	P1	-2.861874	0.051674	0.052601
15	P1	-3.683627	0.058099	0.003038
19	P1	-3.522903	0.021487	-0.035526
22	P1	-5.034379	0.024549	0.019656
26	P1	-6.002961	0.040784	-0.037675
30	P1	-5.320898	0.052568	-0.040981
3	P1	-11.725718	0.139515	-0.010542
7	P1	-10.065744	0.442492	0.107444
11	P1	-10.329960	0.163238	0.059084
15	P1	-10.753706	0.217653	0.130350
19	P1	-15.691607	0.143918	-0.086798
22	P1	-21.464323	1.446026	-0.326960
26	P1	-16.071493	0.322293	0.018551
30	P1	-17.886950	0.412478	0.037220

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.457663	0.135521	-0.044385
7	P2	-22.213369	0.484195	-0.122498
11	P2	-10.935624	0.141063	-0.033097
15	P2	-4.971864	0.177926	-0.043224
19	P2	-6.953596	0.213706	-0.021612
22	P2	-8.264059	0.215374	0.021965
26	P2	-24.311802	0.358706	-0.123987
30	P2	-21.942747	0.228396	-0.033647

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.088123	0.003296	-0.027204
7	P3	-8.088160	0.003280	-0.027298
11	P3	-8.088214	0.003290	-0.027460
15	P3	-8.088089	0.003288	-0.027462
19	P3	-8.088154	0.003290	-0.027195
22	P3	-8.088082	0.003292	-0.027520
26	P3	-8.088231	0.003287	-0.027672
30	P3	-8.088266	0.003290	-0.027247

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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4.3.2 - Evolution for GM1

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000544599
	stdev	1.79054e-07
MEAN Q	mean	0.000521112
	stdev	2.20833e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136148
	stdev	0.00111032
STDEV Q	mean	0.136507
	stdev	0.00112733

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006112[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_1PNPDE20061126_004059_000000622053_00174_24777_9130.N1	1	0
ASA_IMM_1PNPDK20061126_083104_000000352053_00179_24782_4085.N1	0	24
ASA_GM1_1PNPDK20061127_154433_000009242053_00197_24800_9420.N1	0	36
ASA_WSM_1PNPDE20061126_183459_000000862053_00185_24788_9879.N1	0	39

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

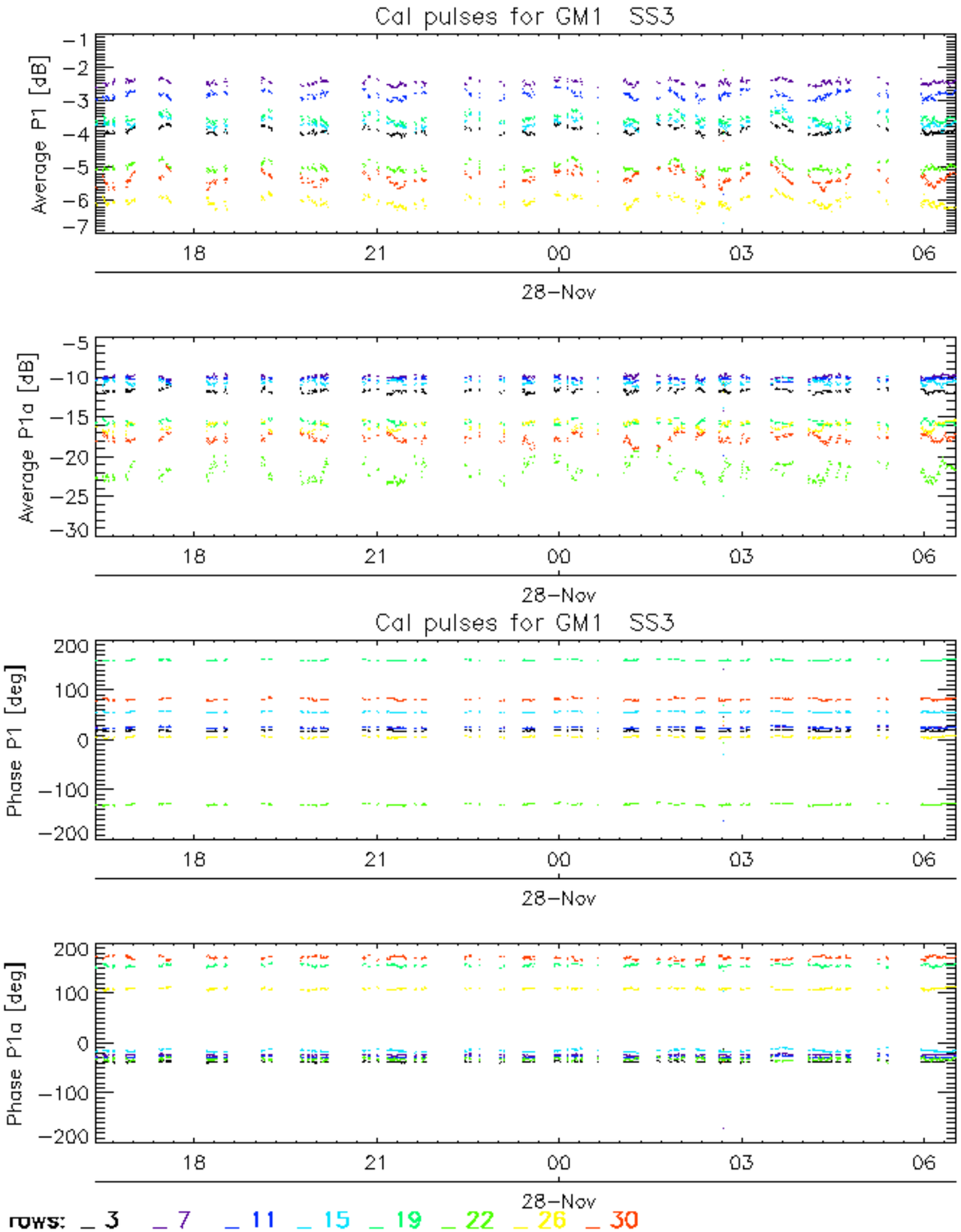
Descending

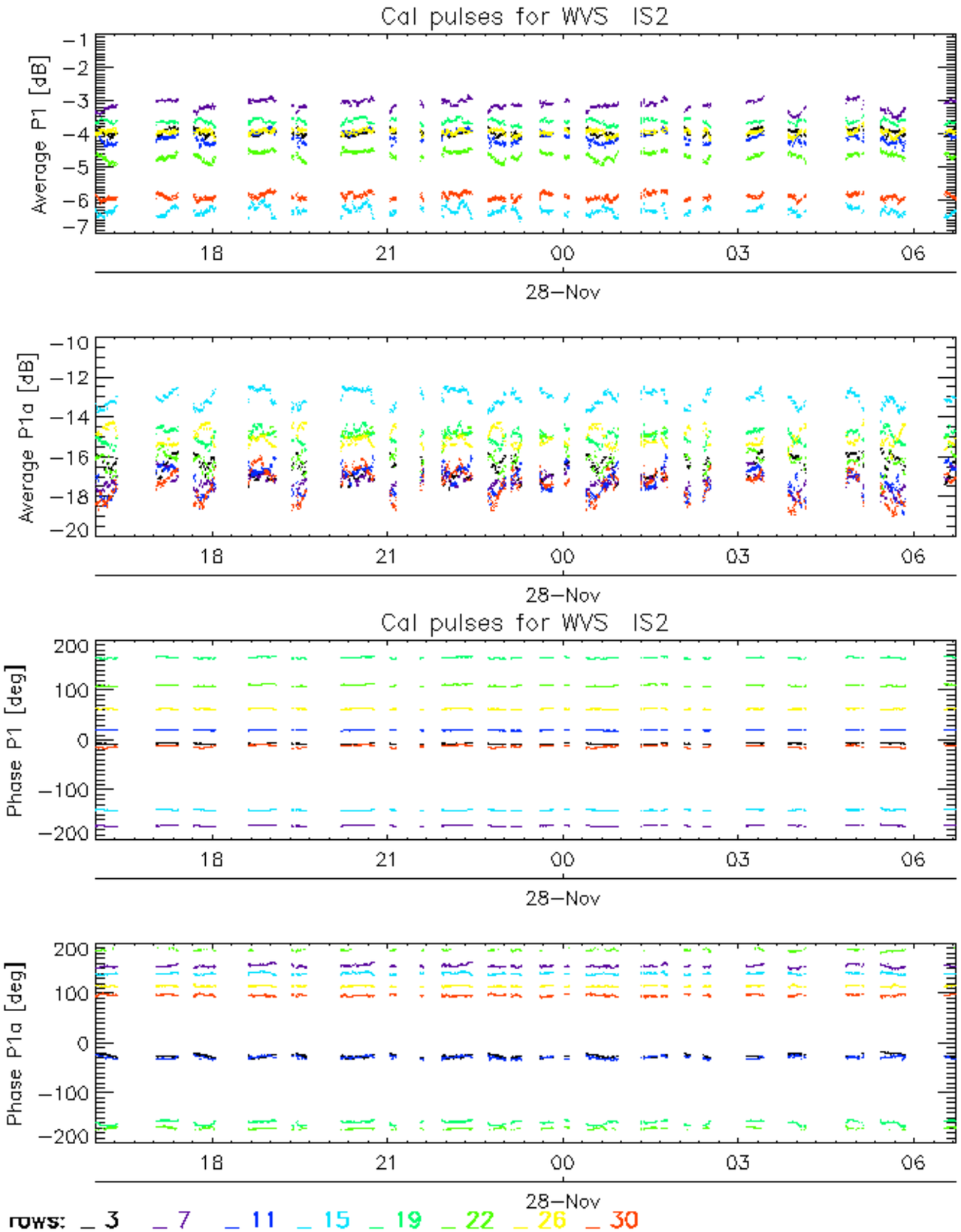
7.5 - Absolute Doppler for GM1

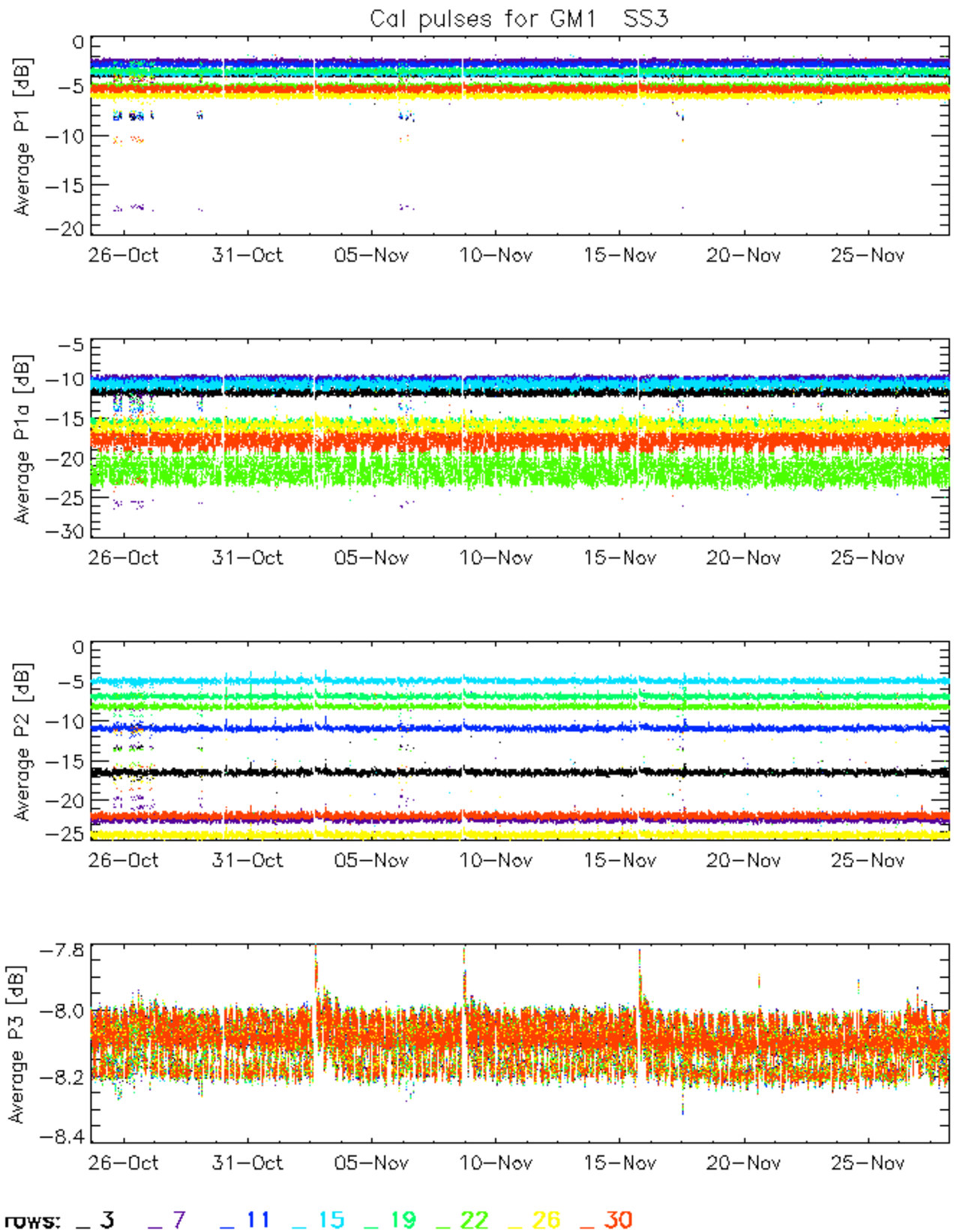
Evolution of Absolute Doppler
Acsending
Descending

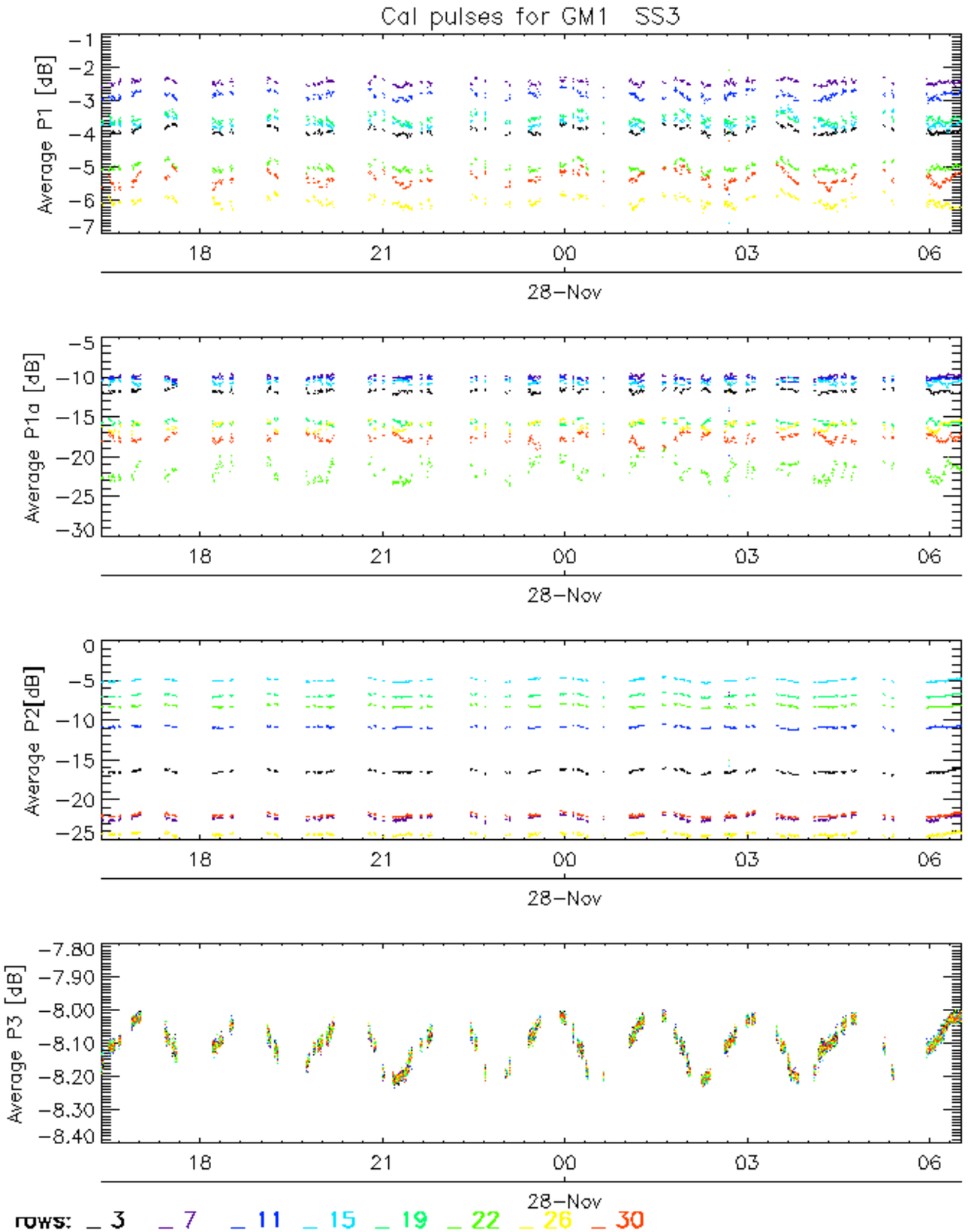
7.6 - Doppler evolution versus ANX for GM1

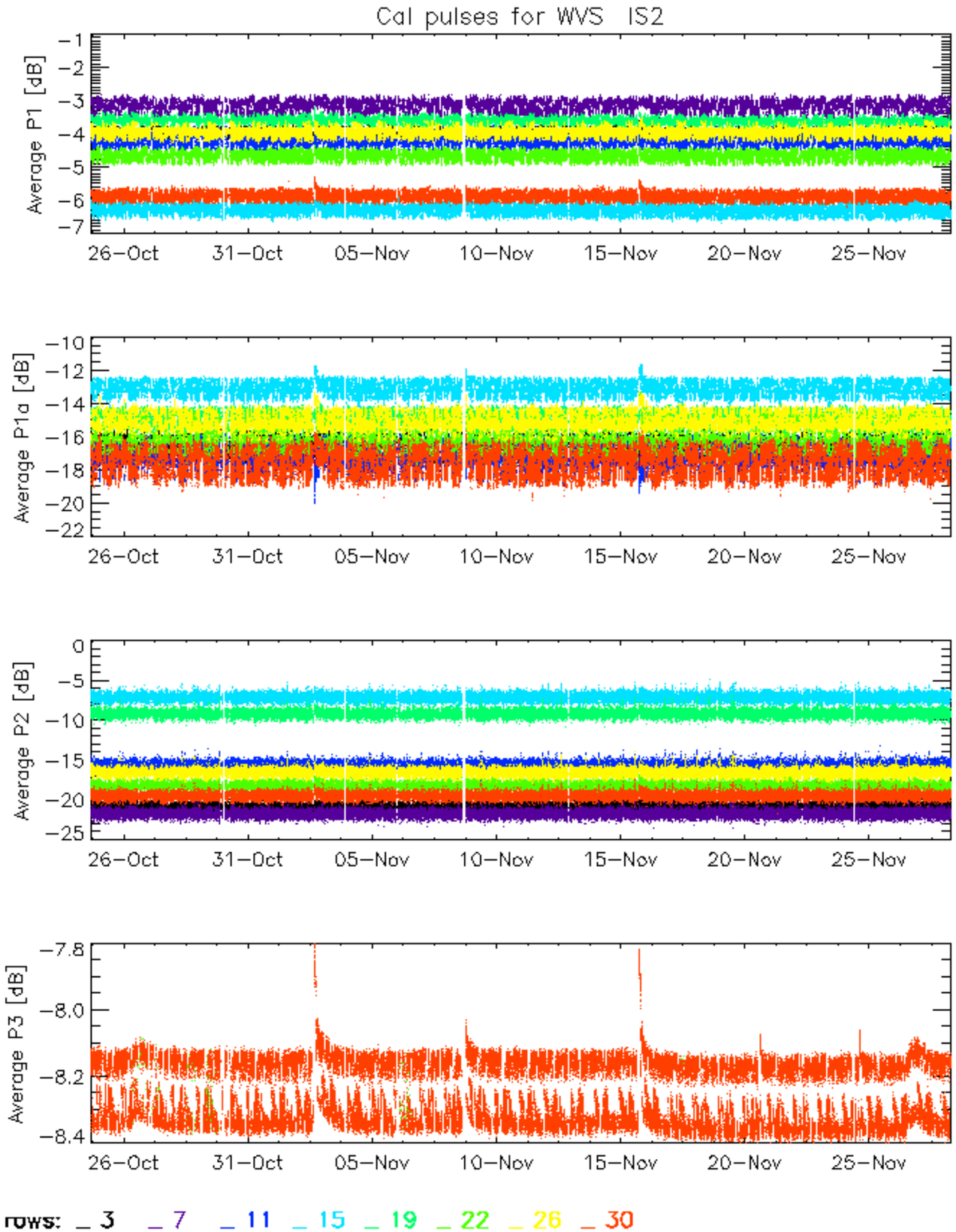
Evolution Doppler error versus ANX

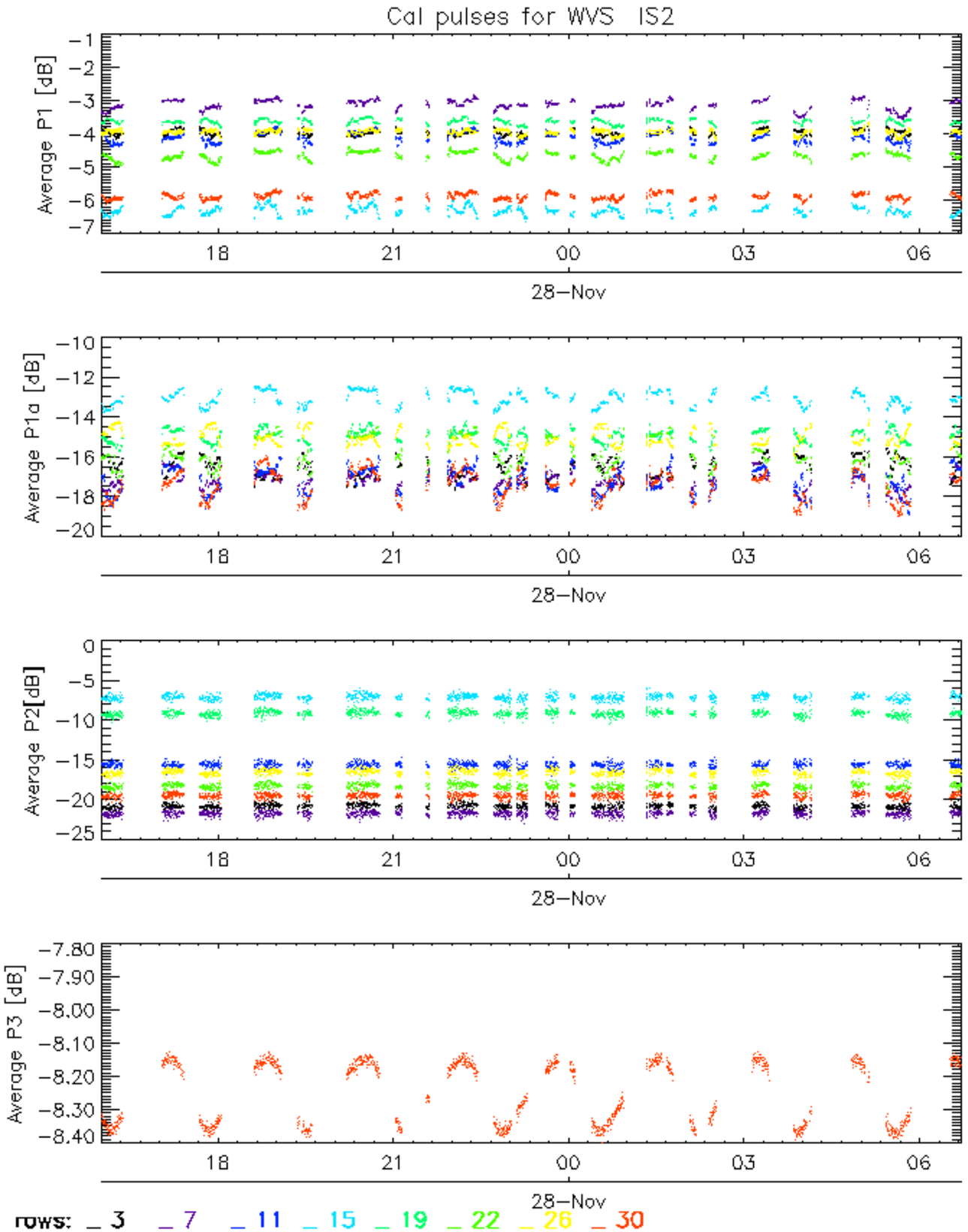

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
28−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
28−Nov
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Nov
rows: _ 3 _ 7 _ 11 _ 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
28−Nov
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
28−Nov
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Nov
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
28−Nov
rows: 3 7 11 15 19 22 26 30

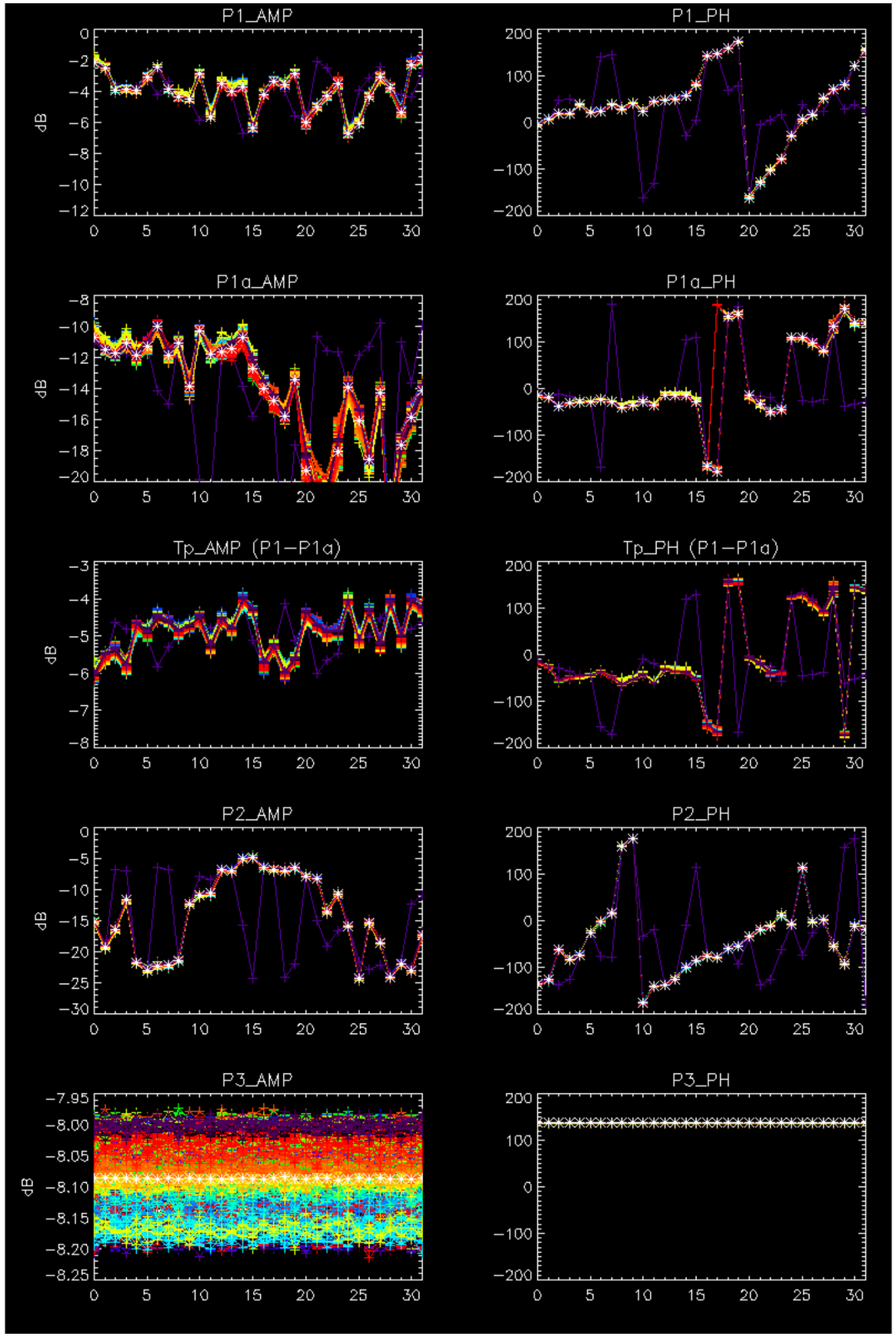

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

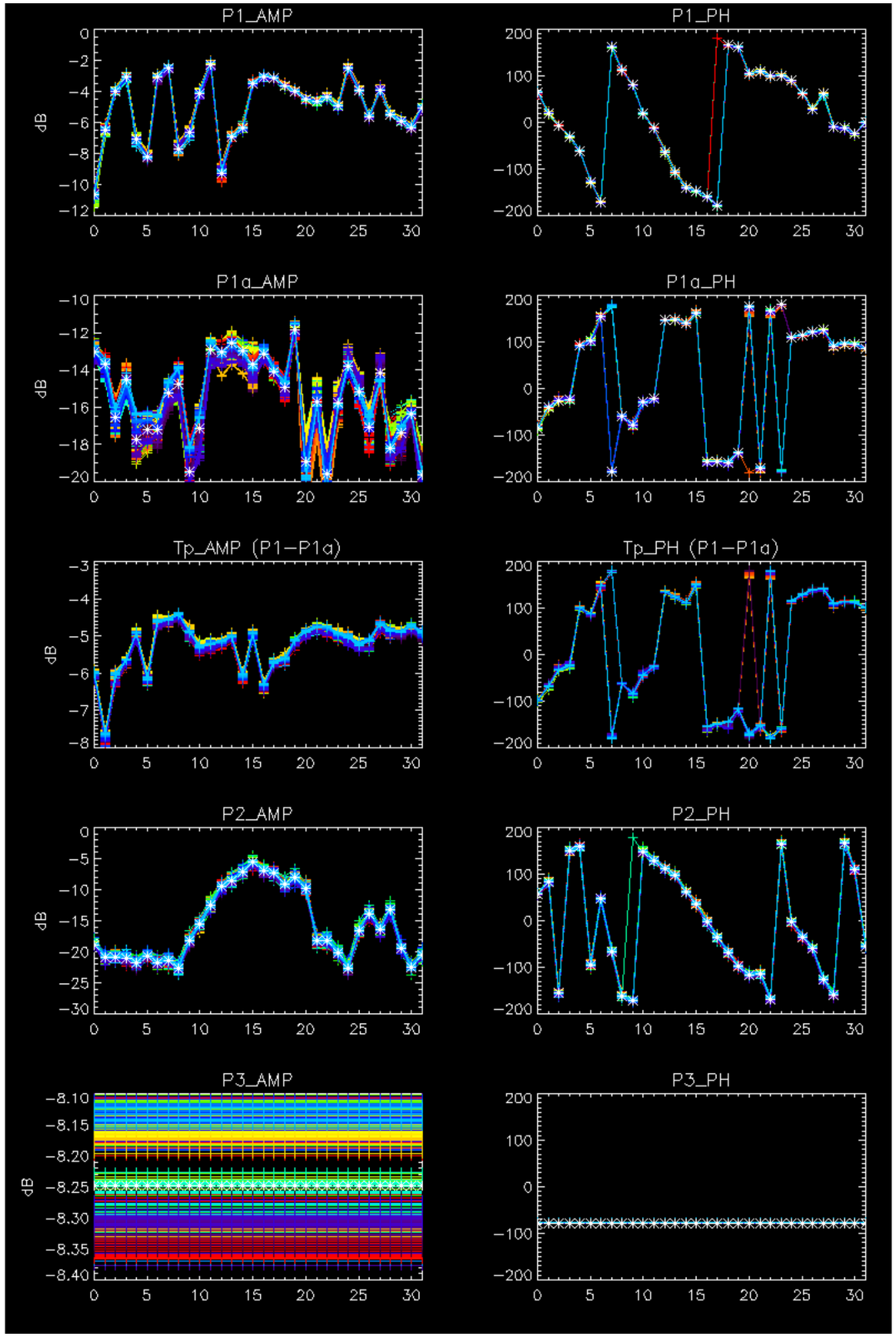

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
28−Nov
Average P1a [dB]
−5
−10
−15
−20
−25
−30
18
21
00
03
06
28−Nov
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
28−Nov
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
28−Nov
rows: _ 3 _ 7 _ 11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


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

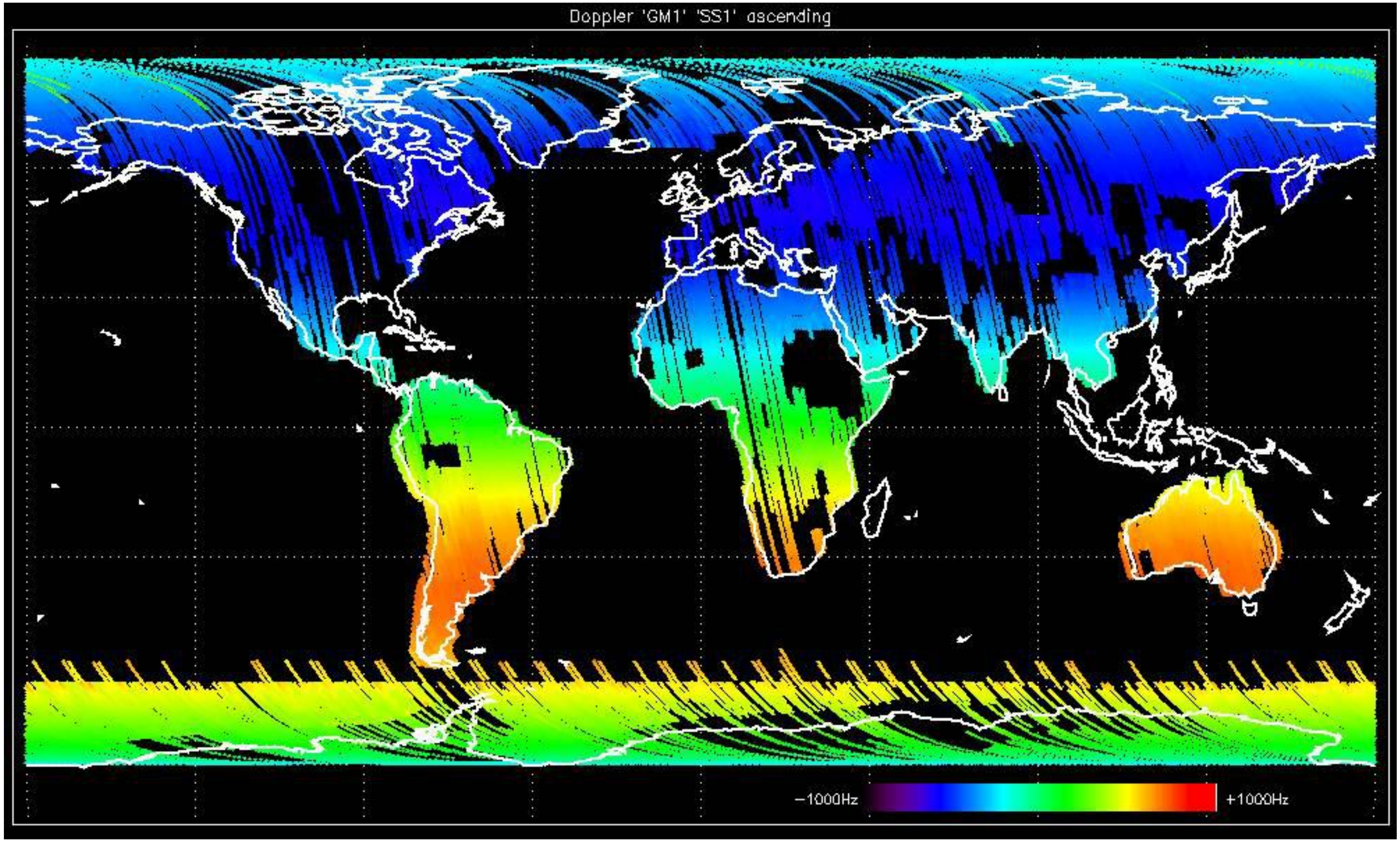
No anomalies observed.

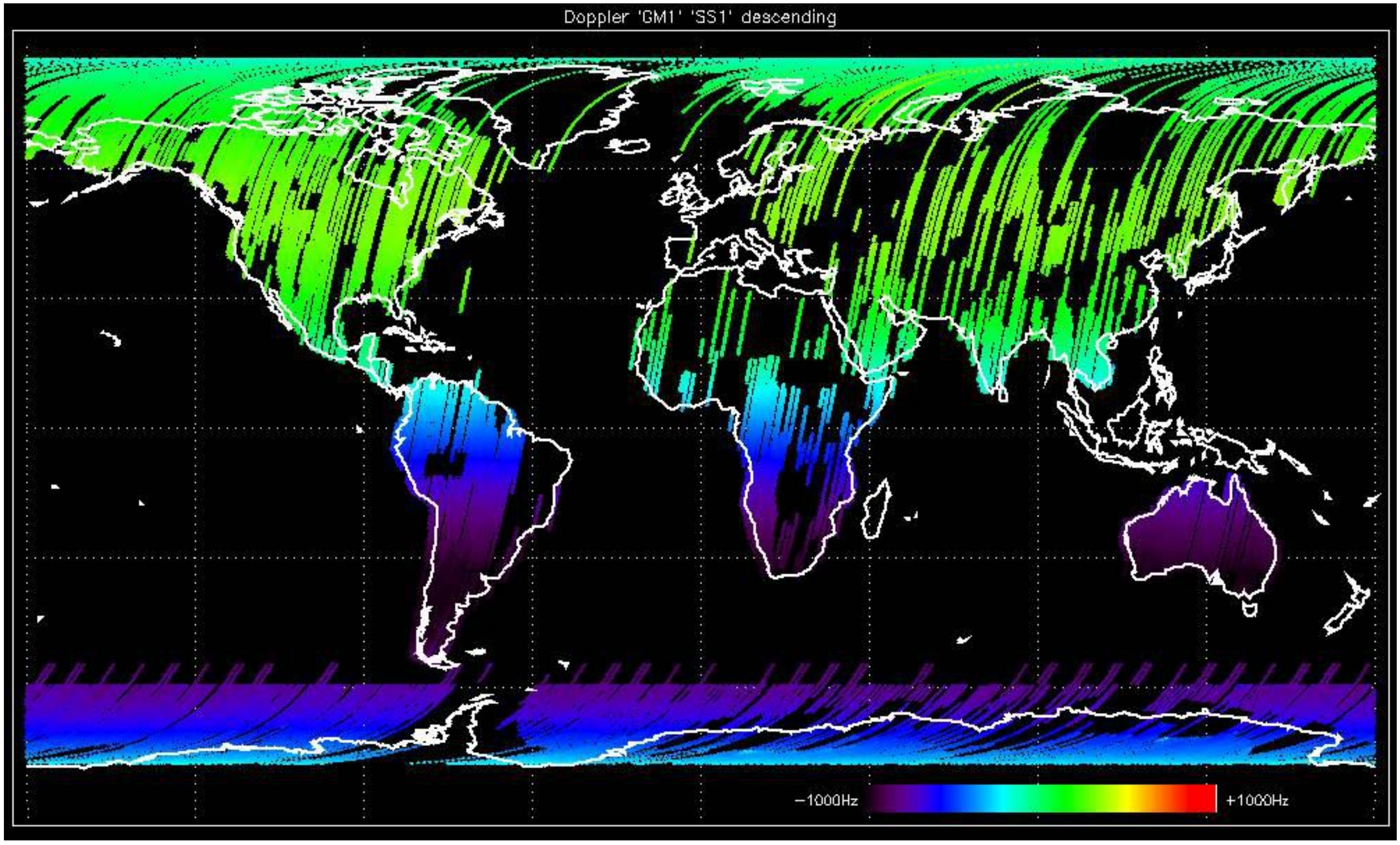

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

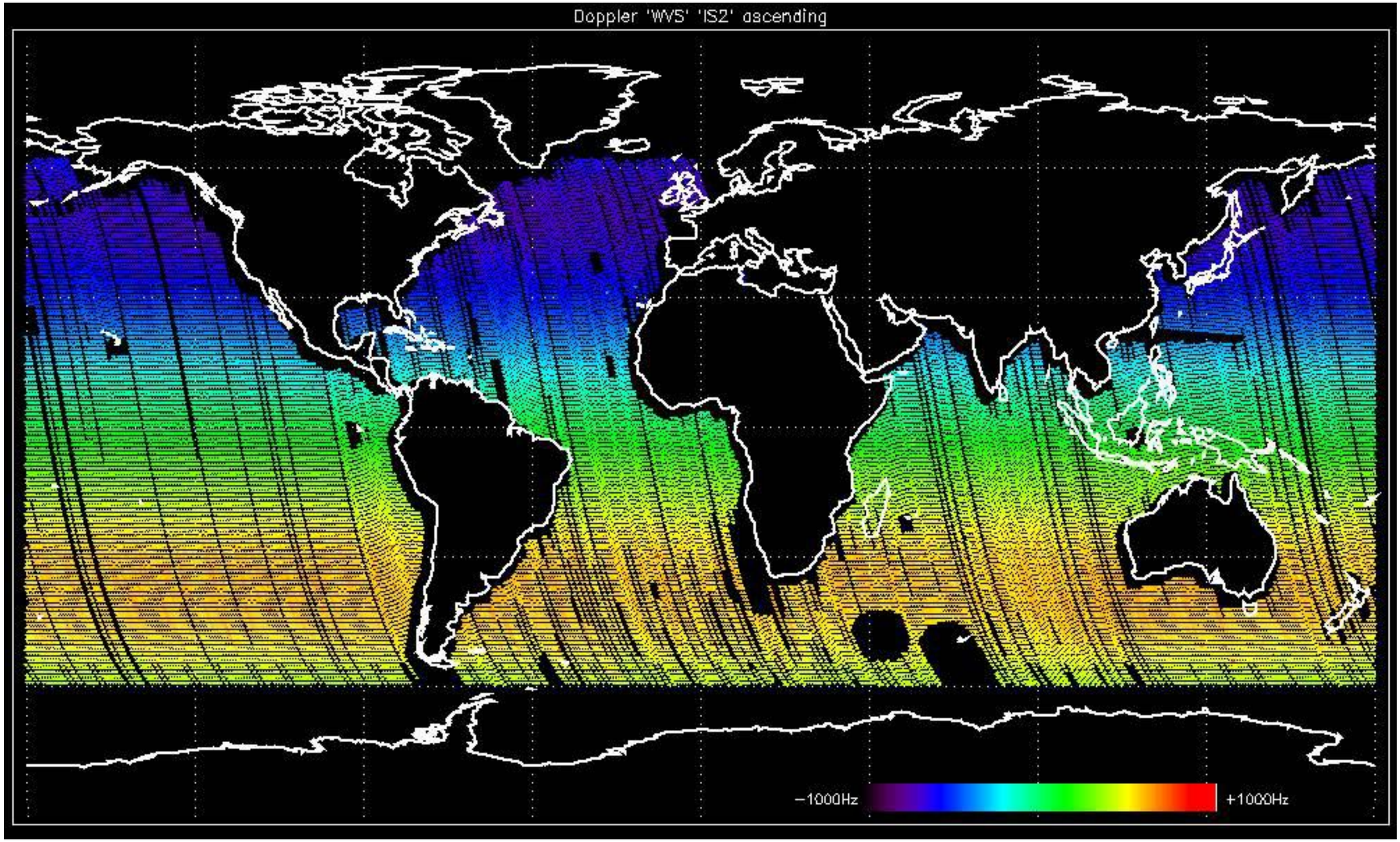

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

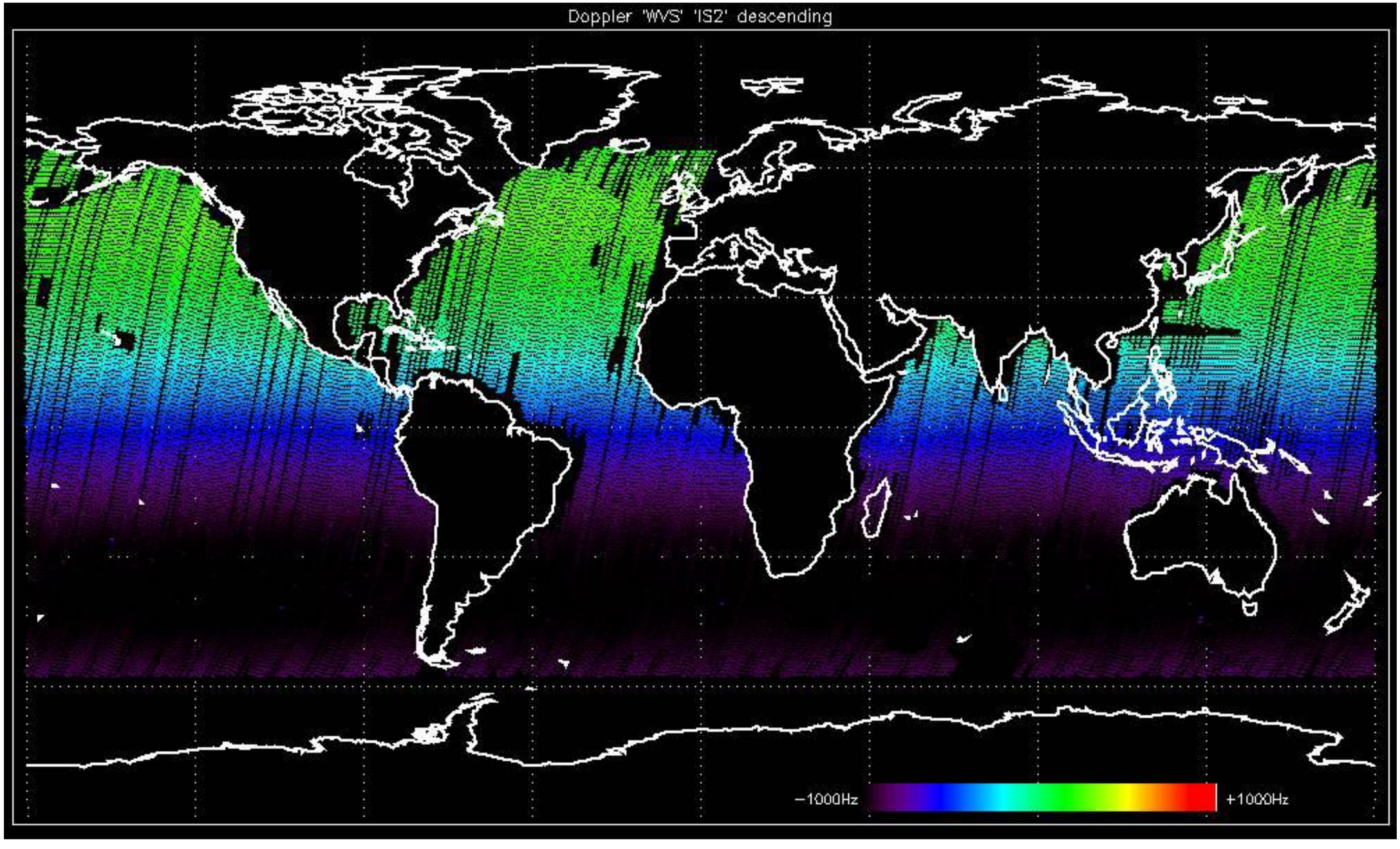
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

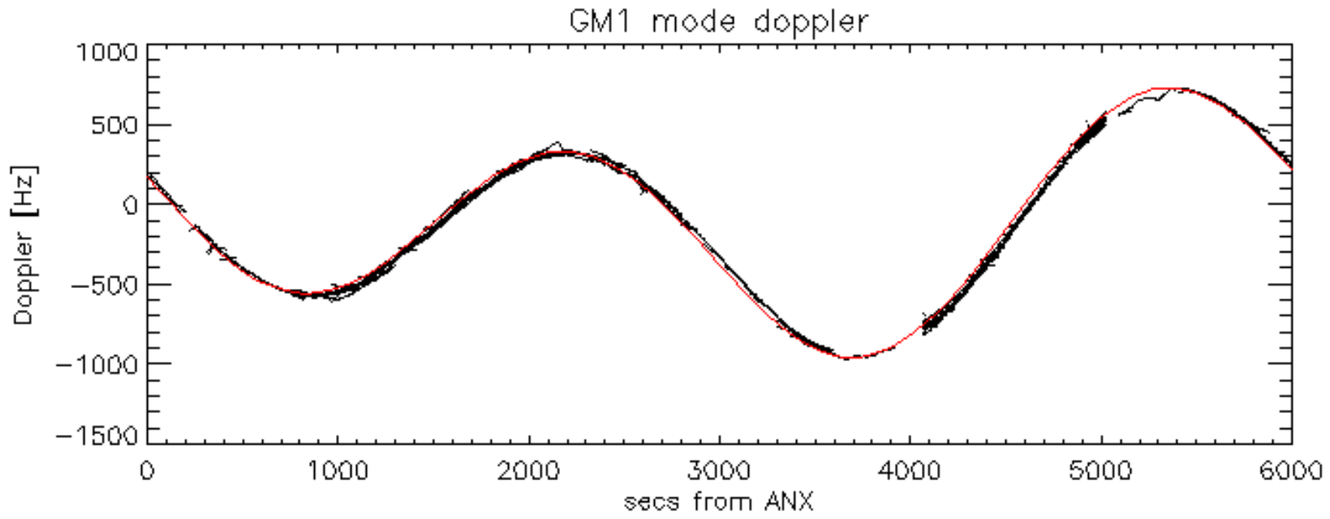
Preliminary report.The data is not yet controled

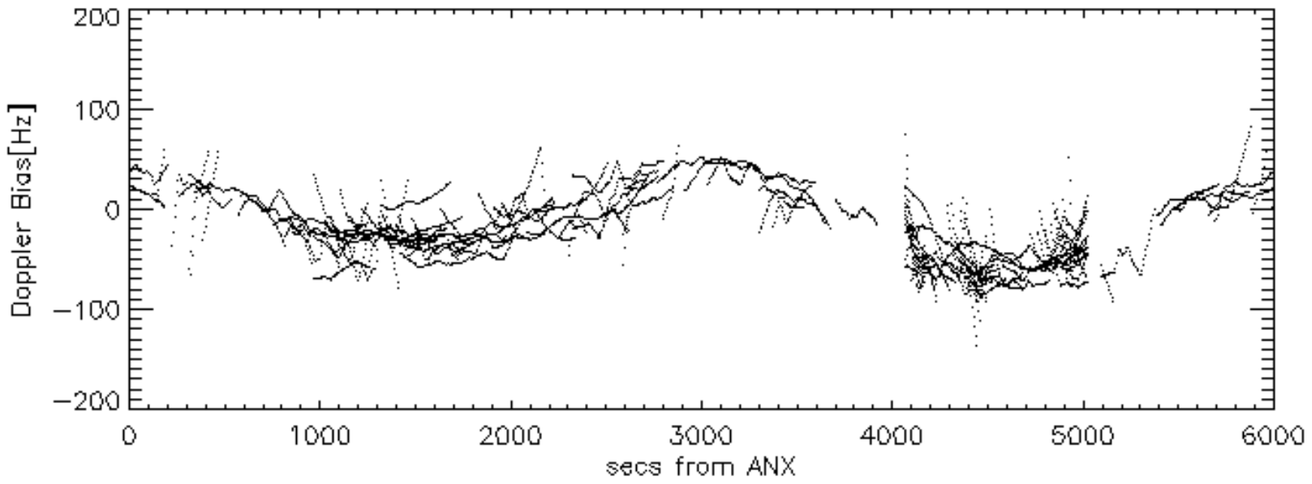

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

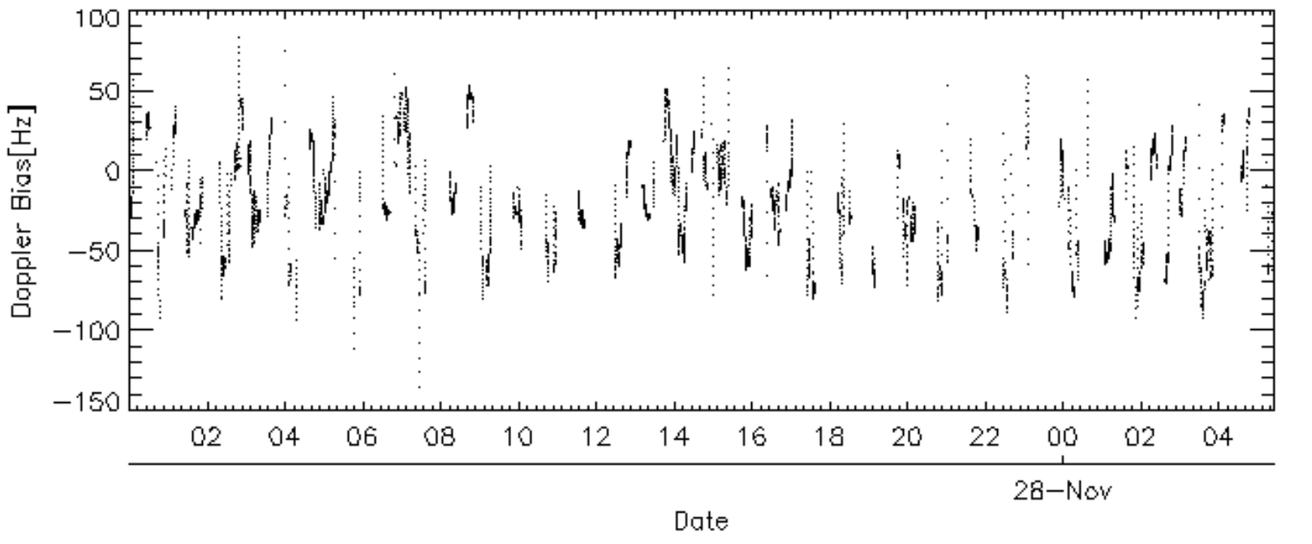

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

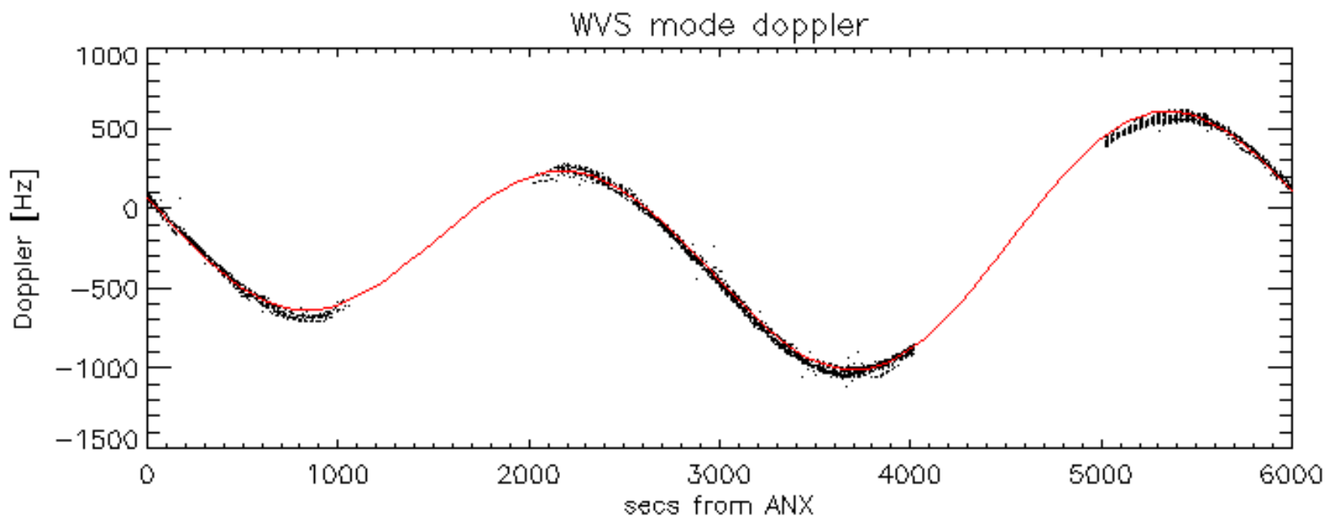

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

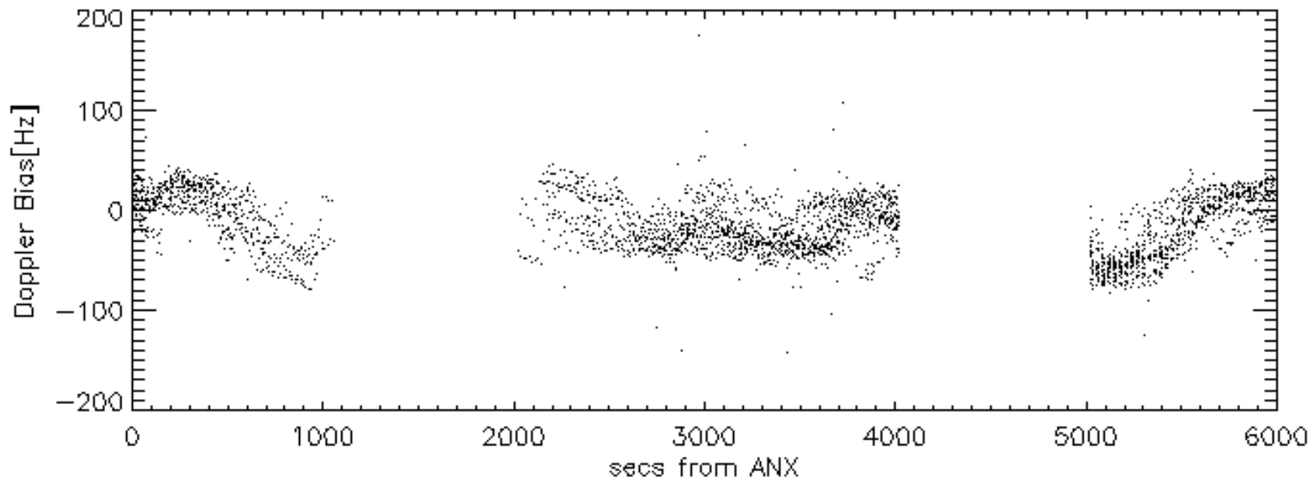

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

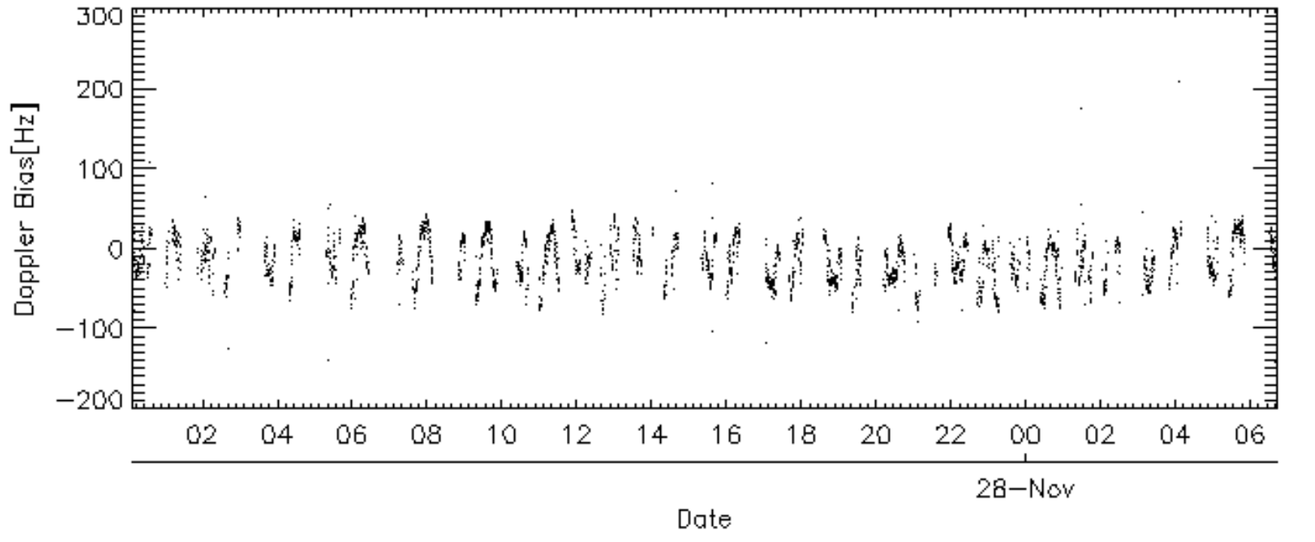

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

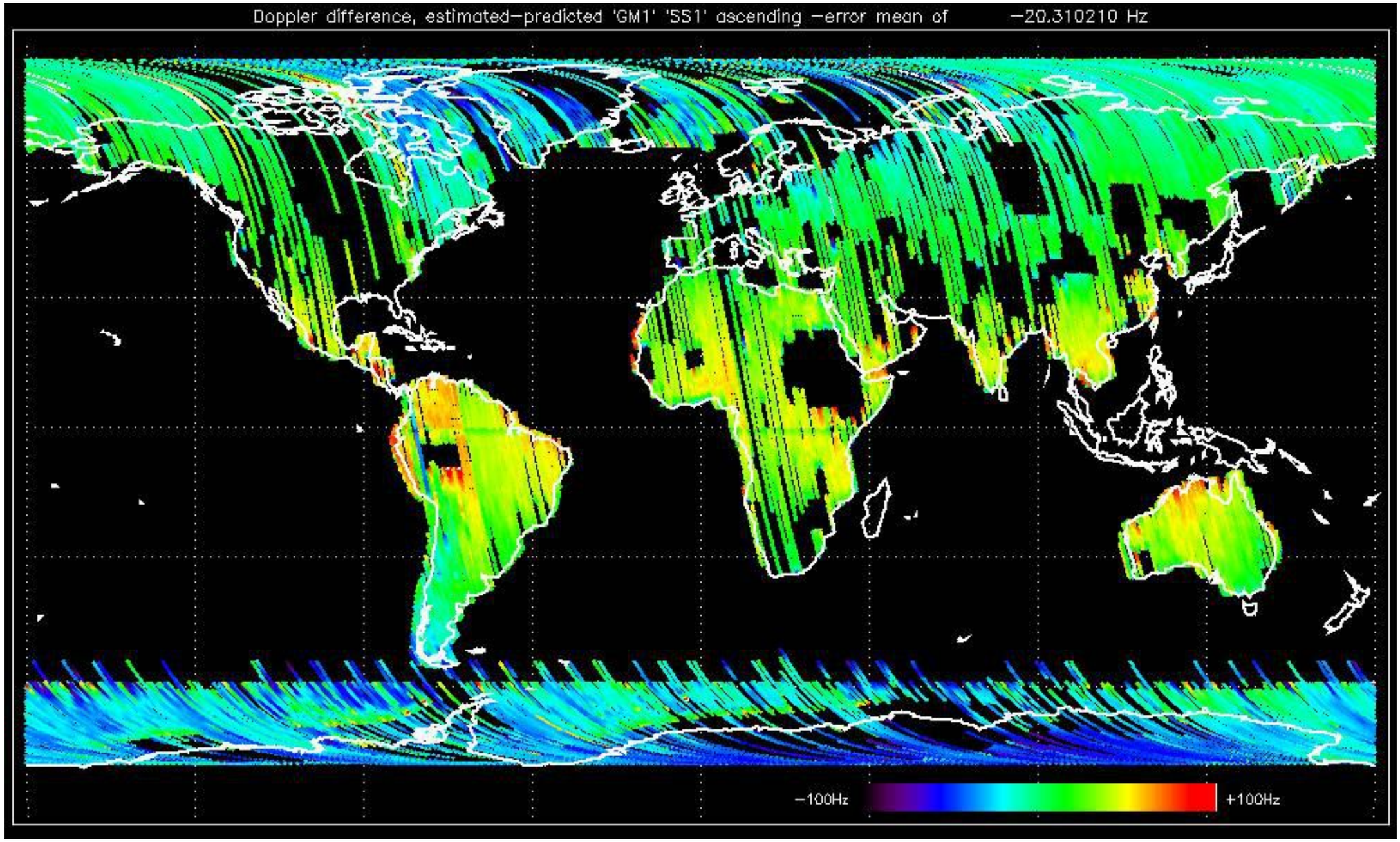

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

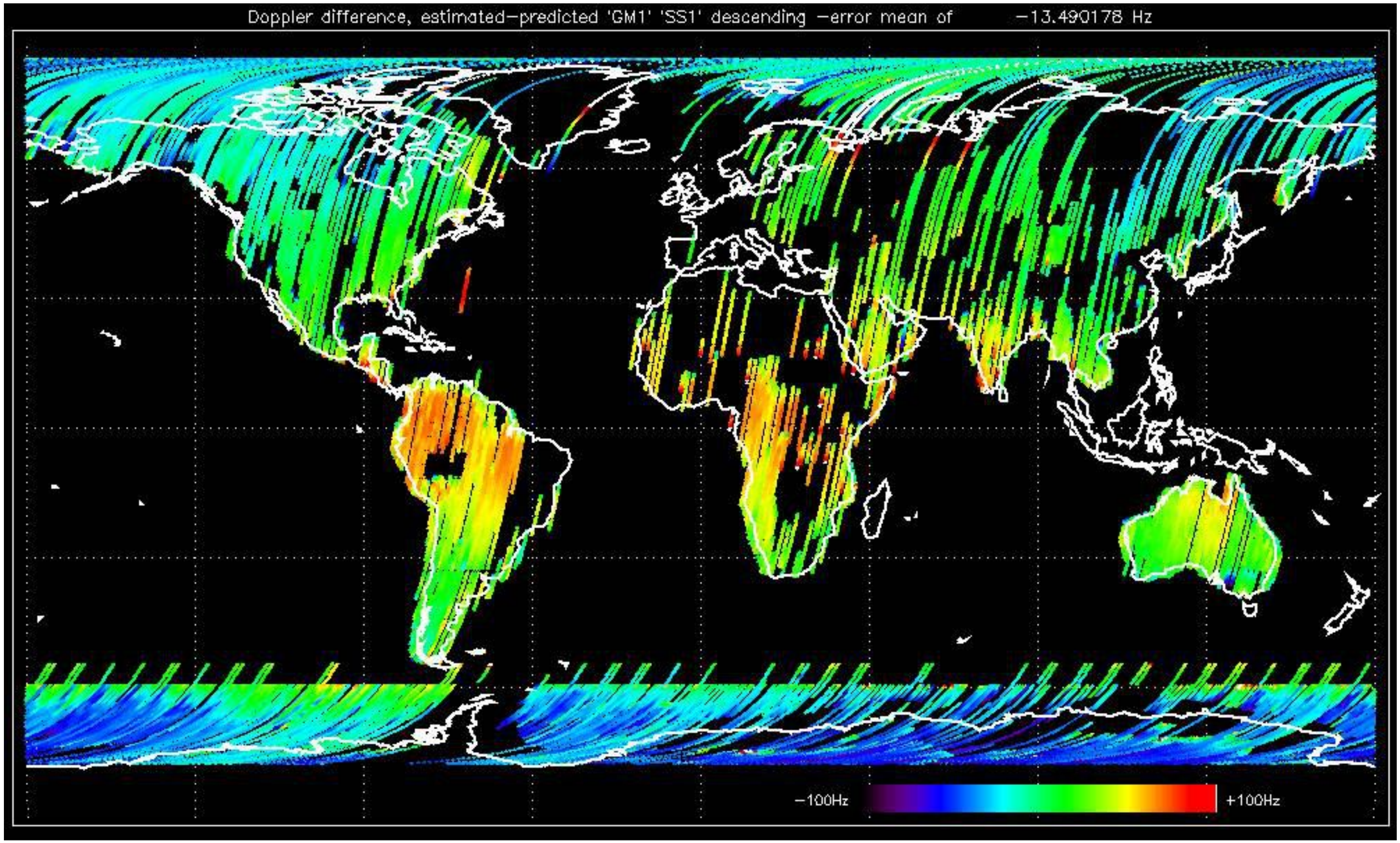

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
28−Nov
Date

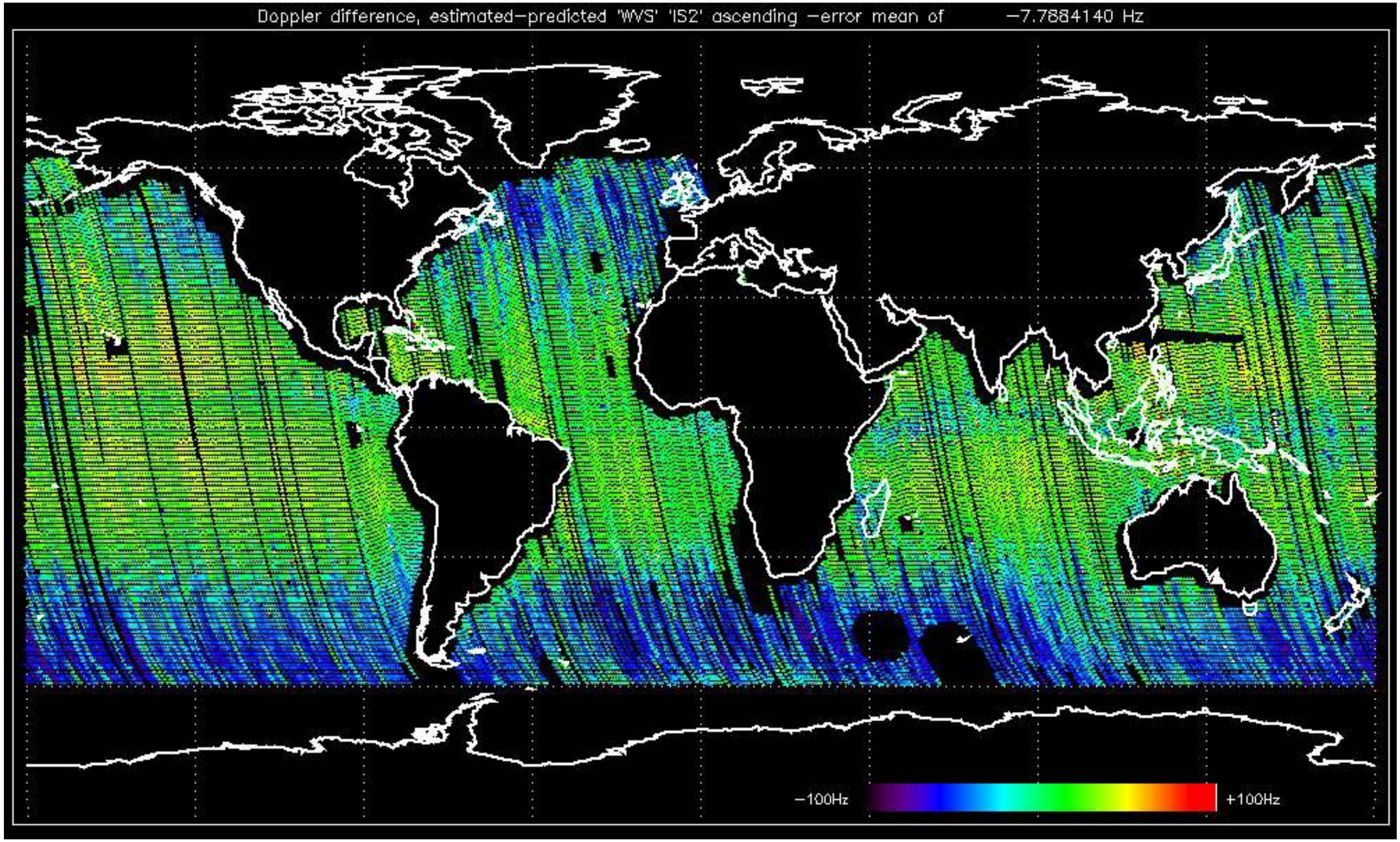

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

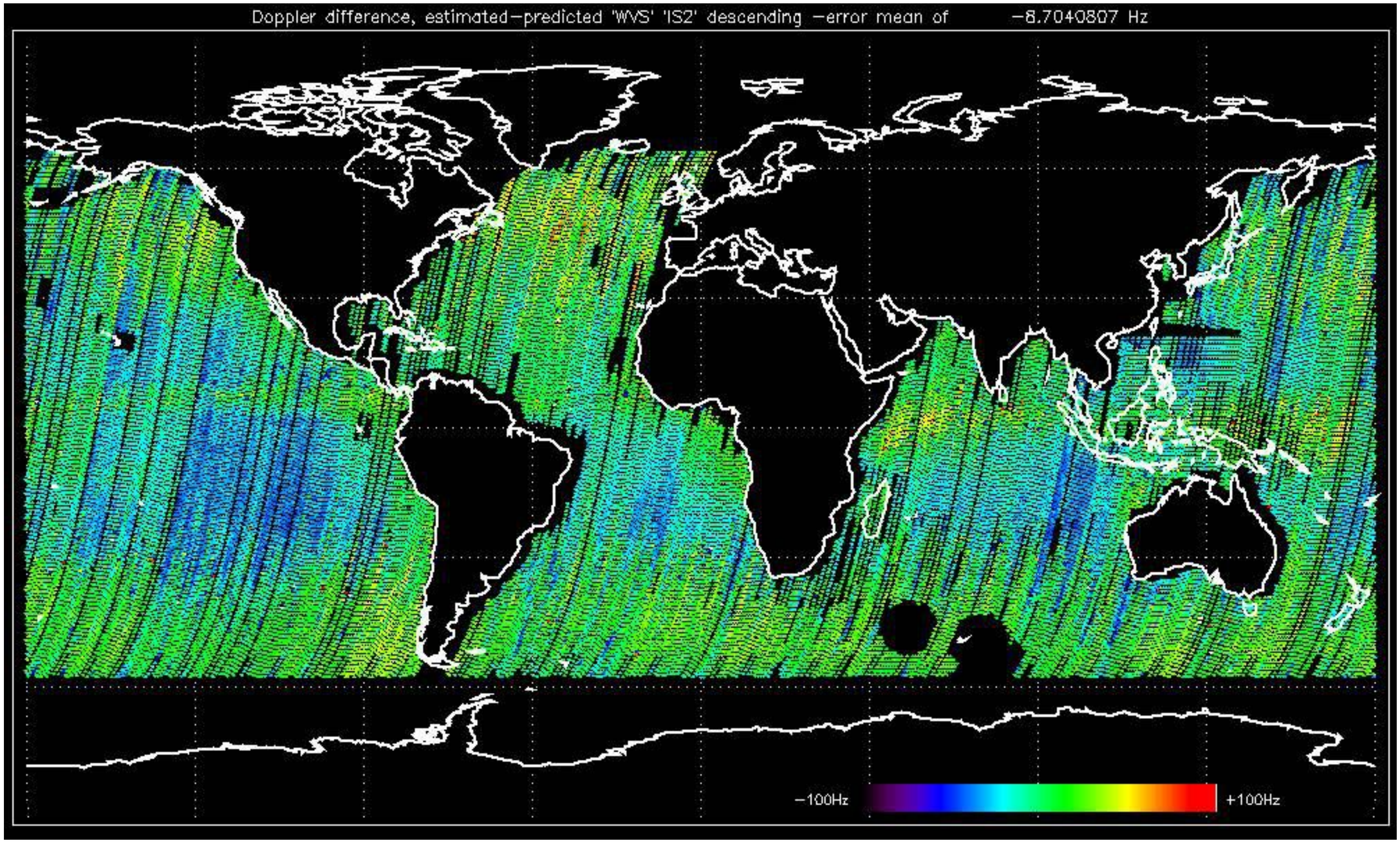

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.310210 Hz
−100Hz
+100Hz

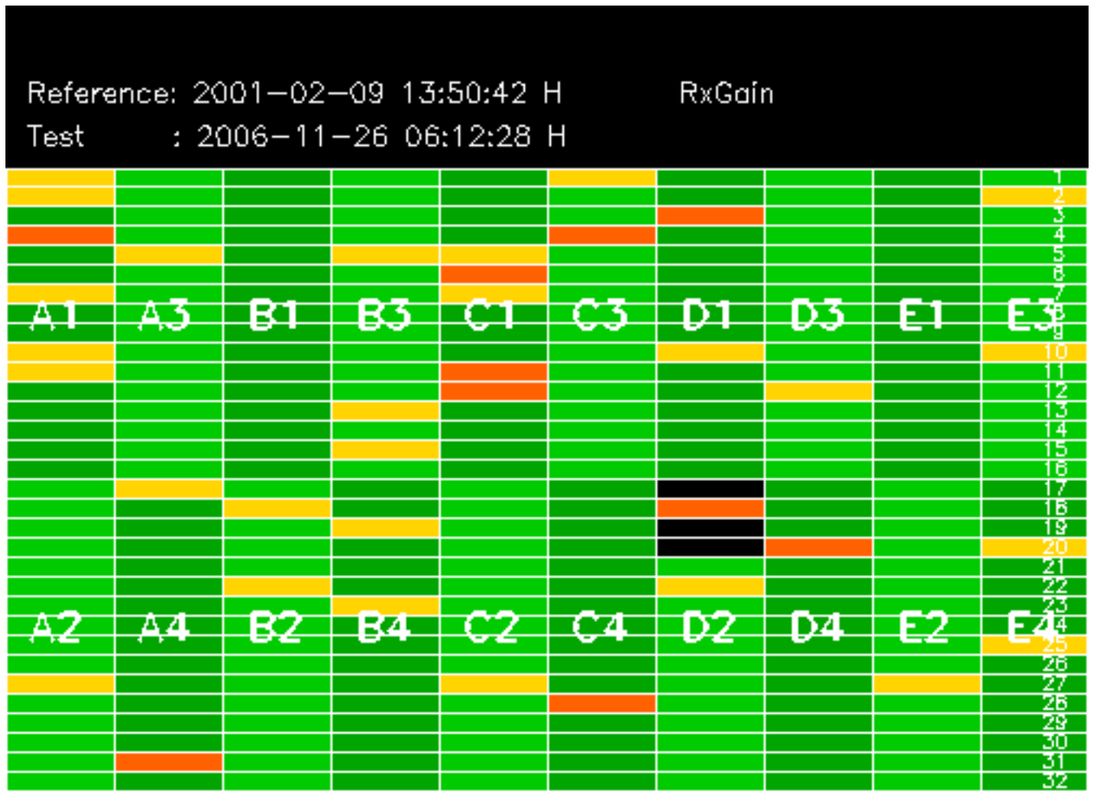

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −13.490178 Hz
−100Hz
+100Hz

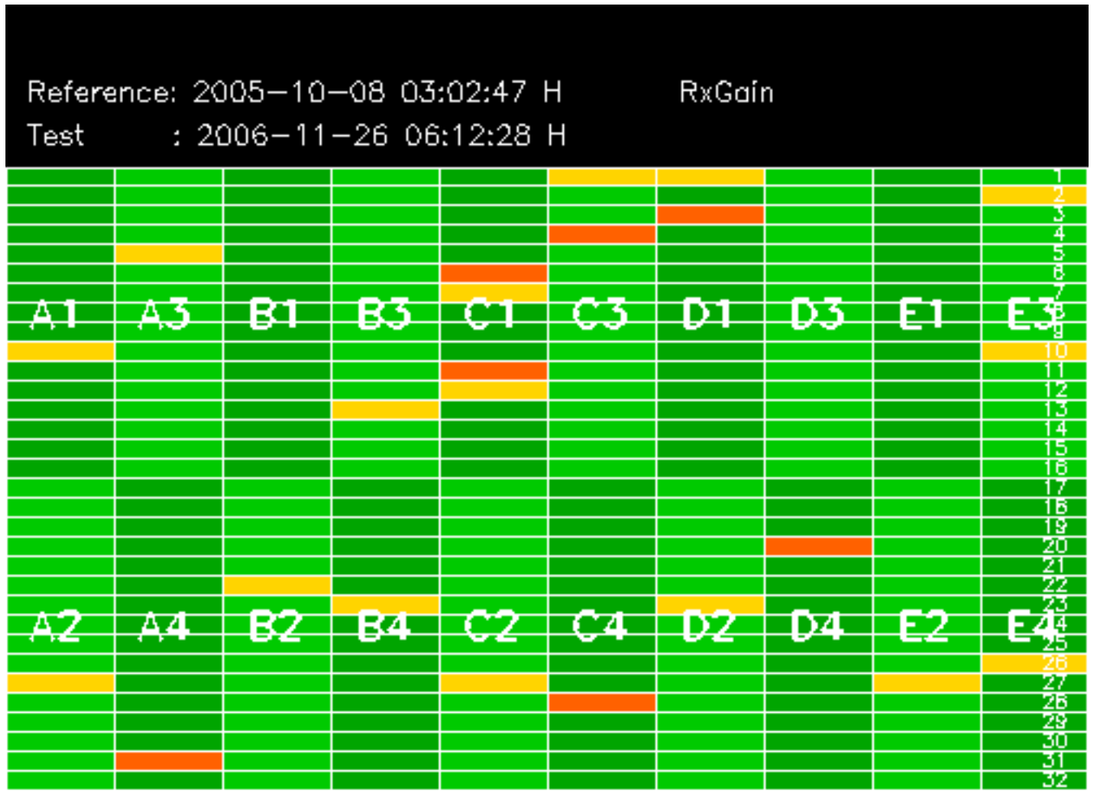

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −7.7884140 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −8.7040807 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-11-26 06:12:28 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 : 2006-11-26 06:12:28 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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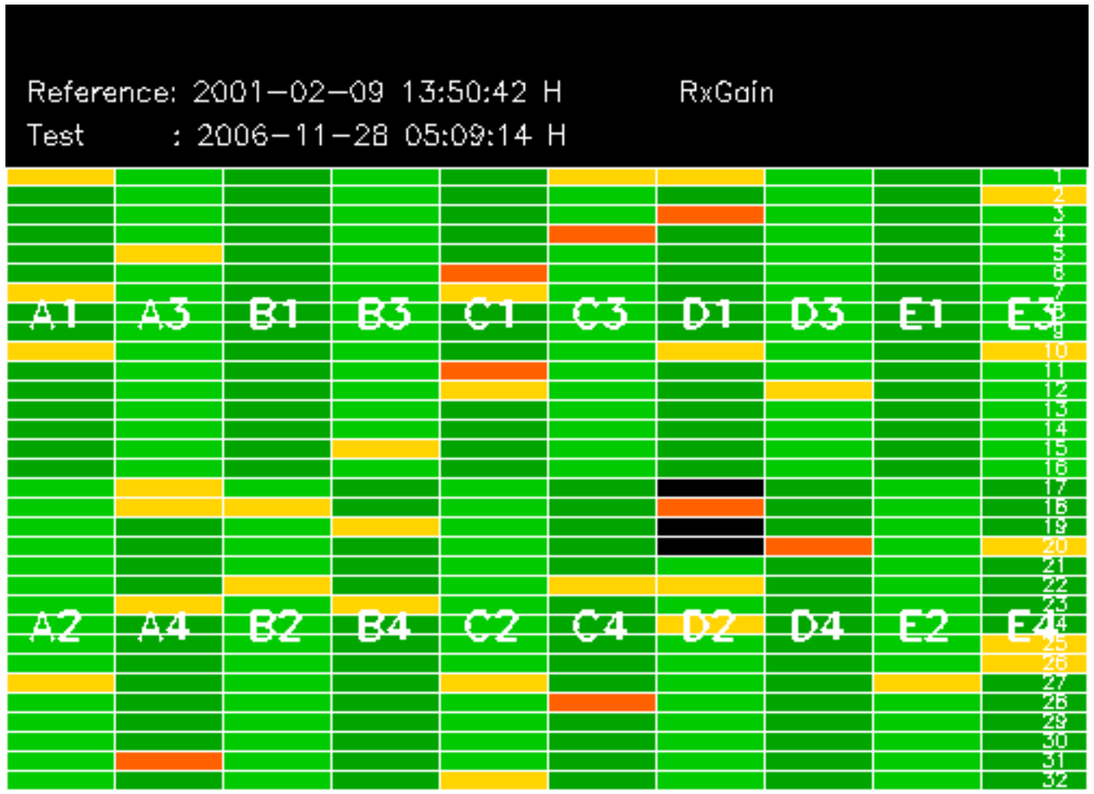
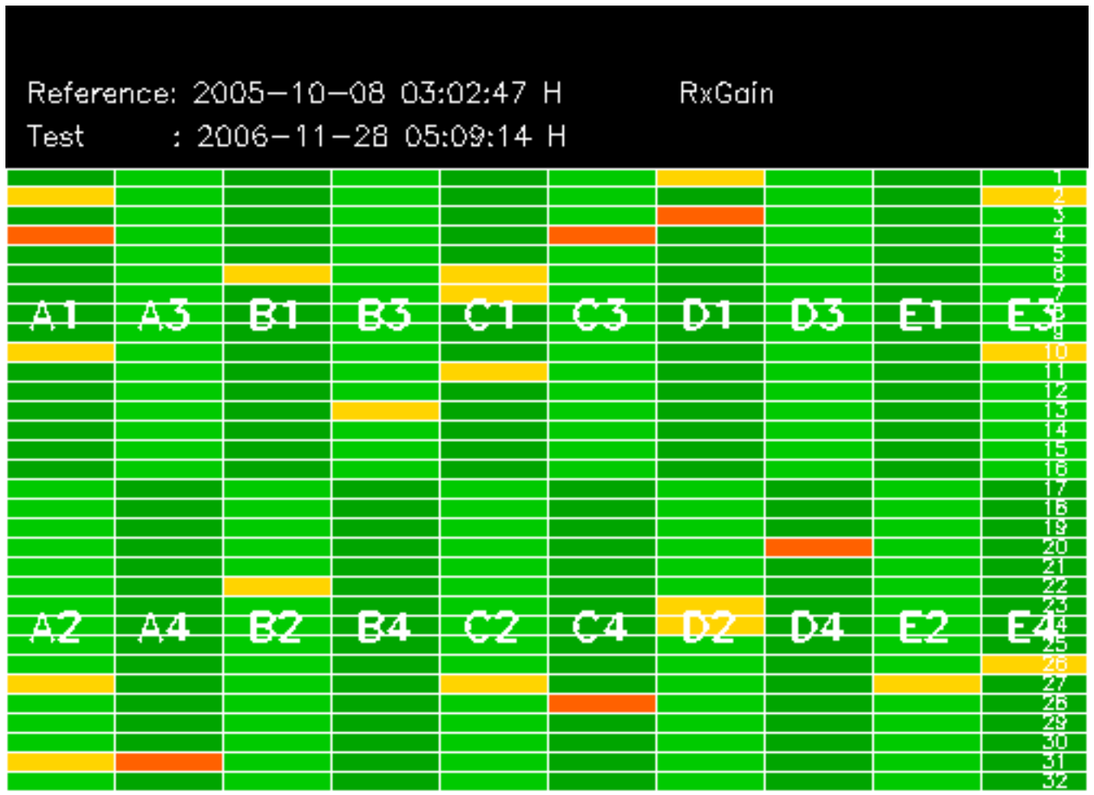

Reference: 2001-02-09 13:50:42 H
Test : 2006-11-28 05:09:14 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-28 05:09:14 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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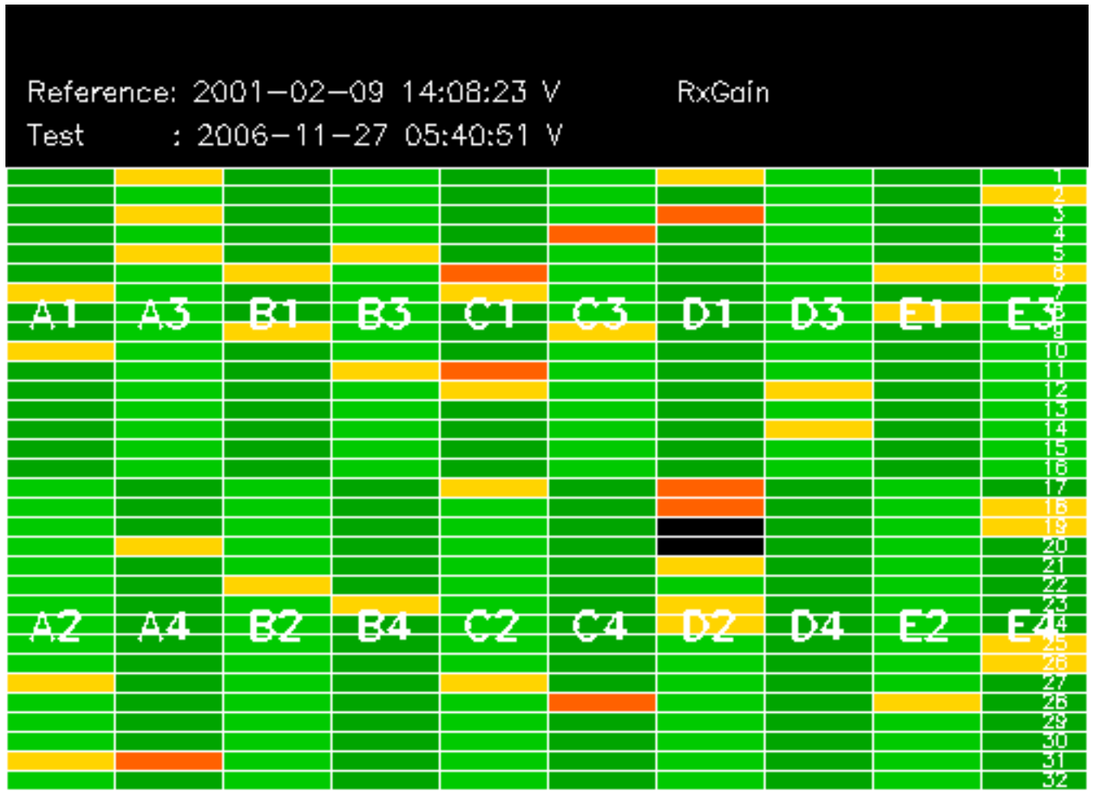
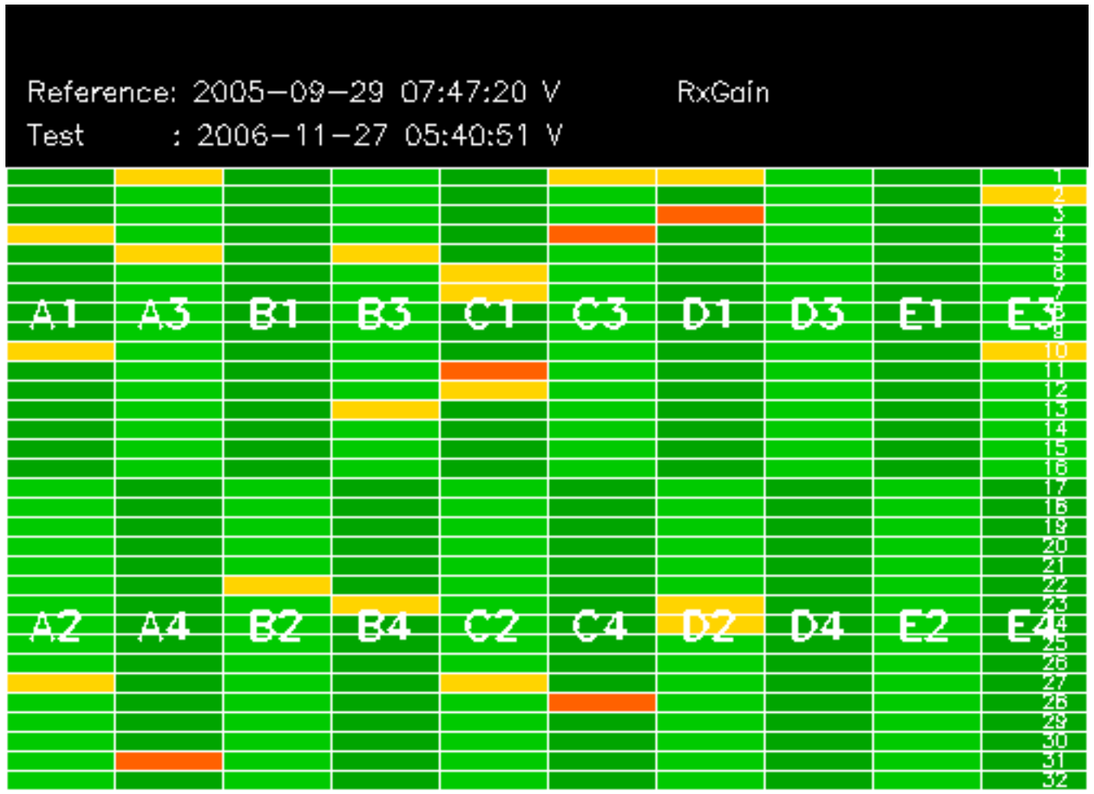

Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 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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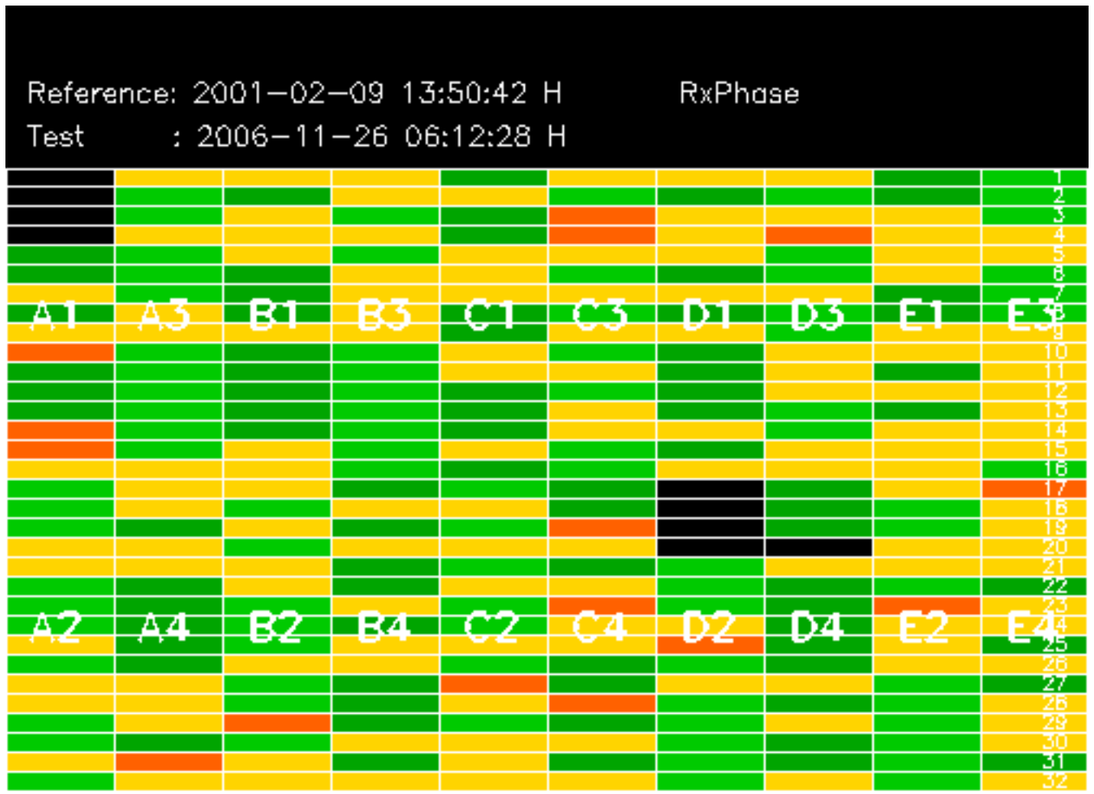
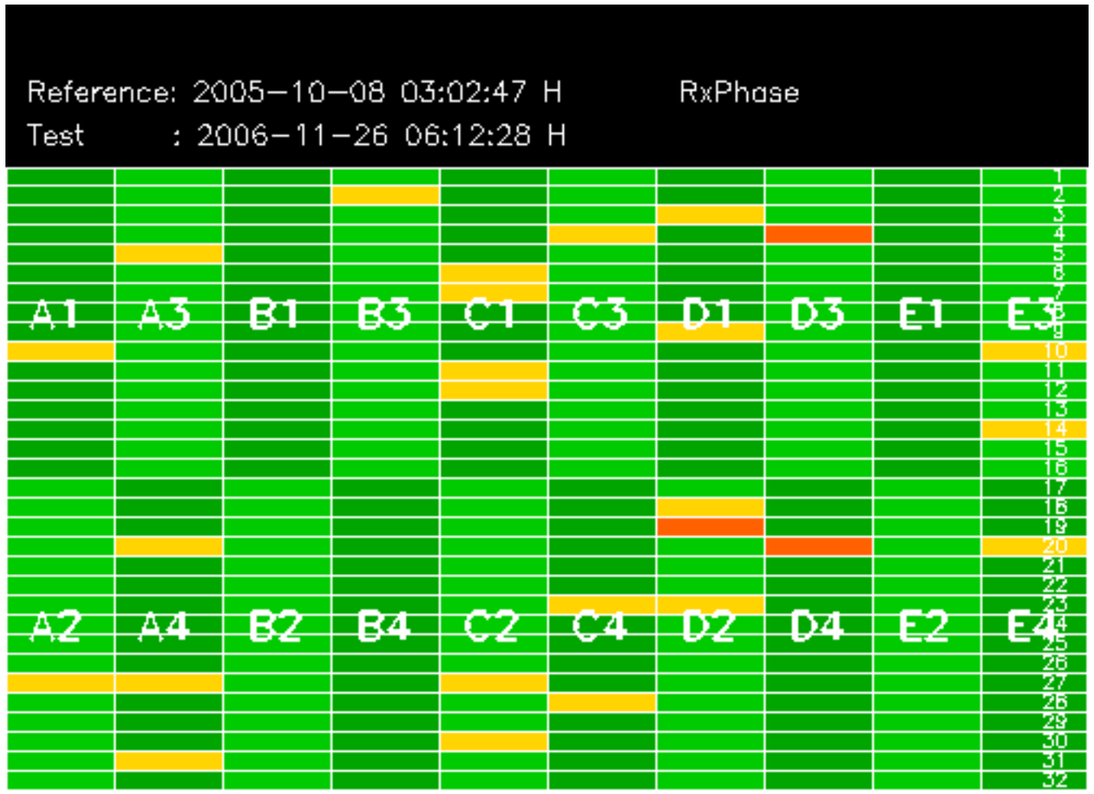

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-26 06:12:28 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-26 06:12:28 H
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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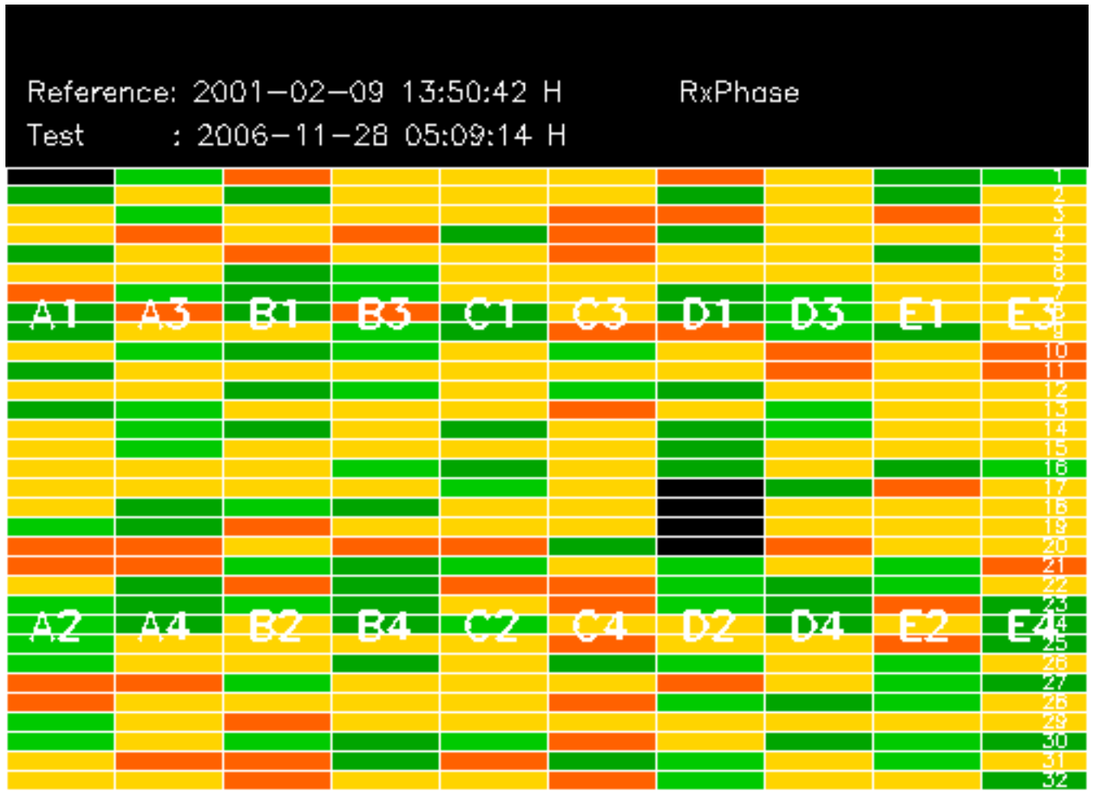
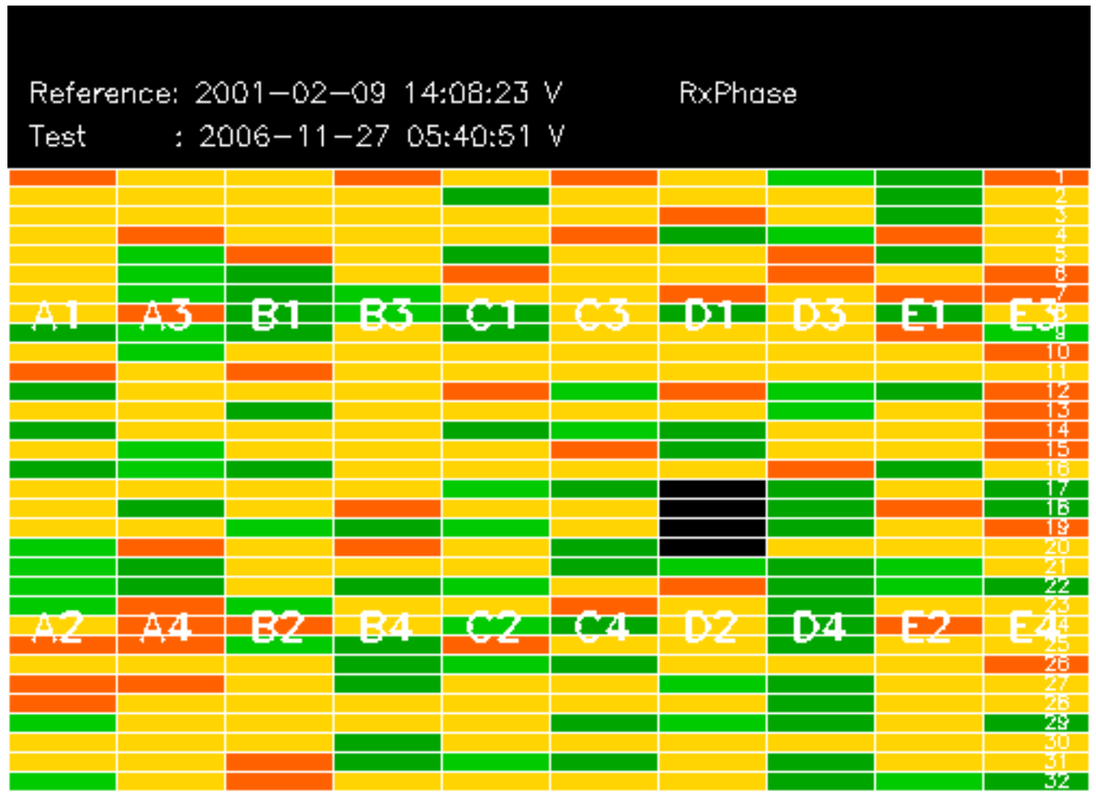
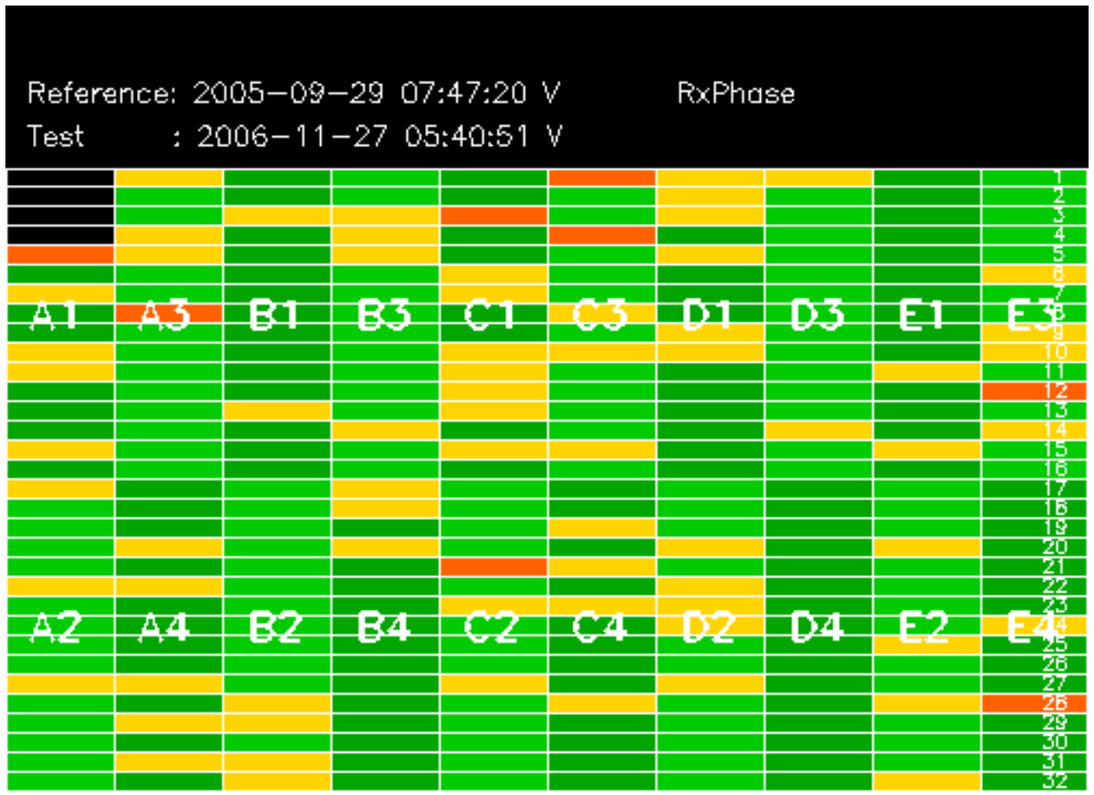

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-11-28 05:09:14 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-11-28 05:09:14 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 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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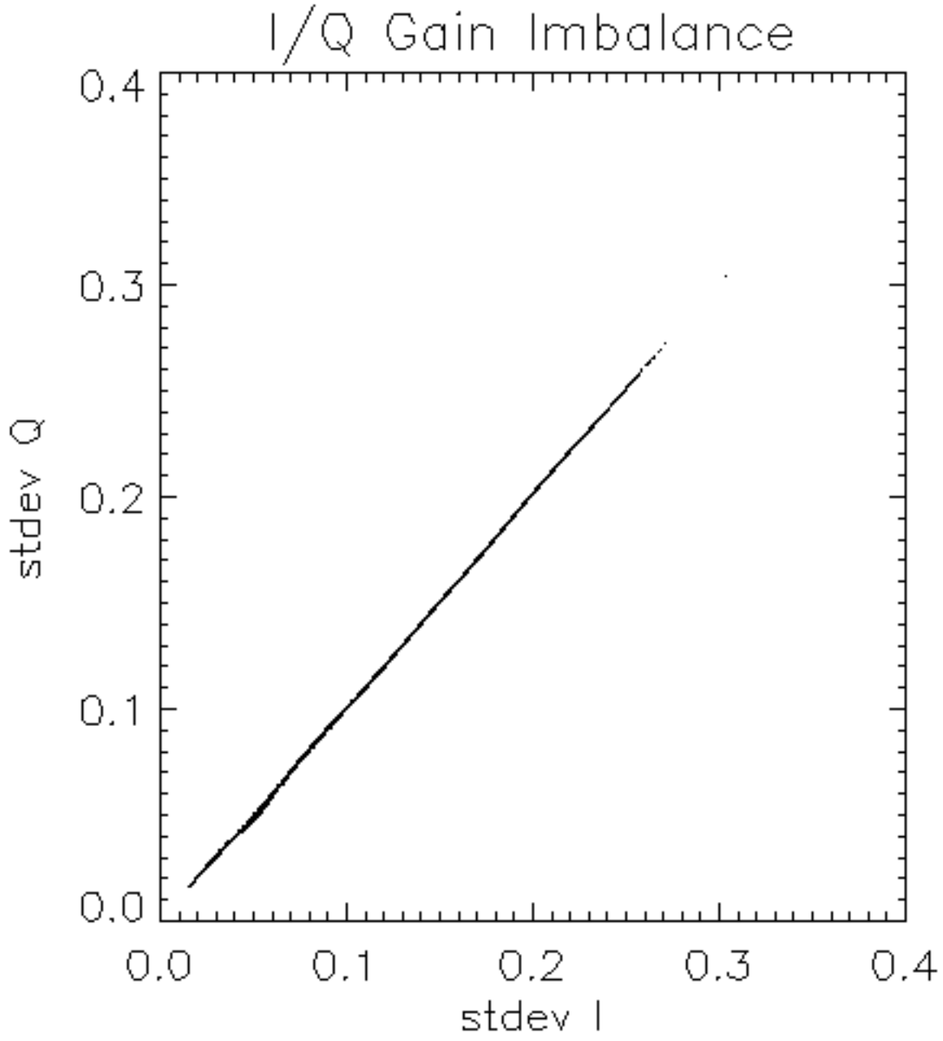
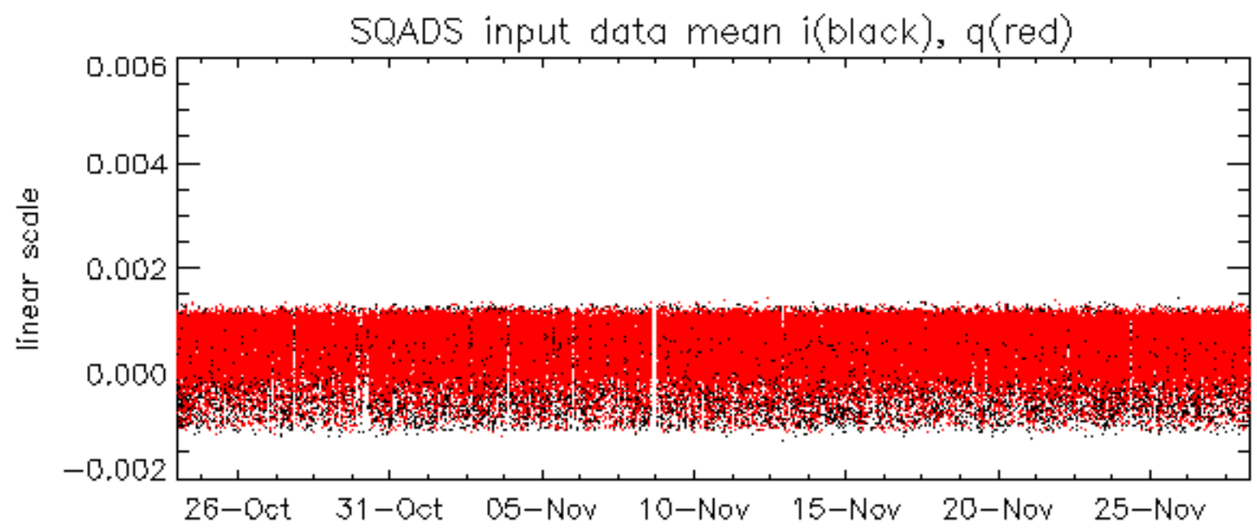
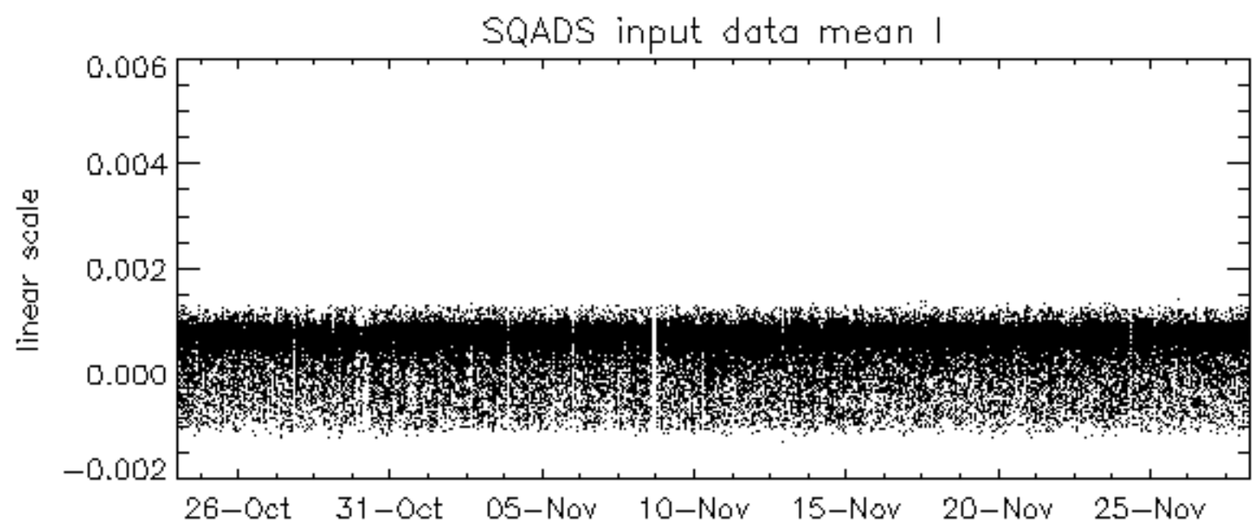
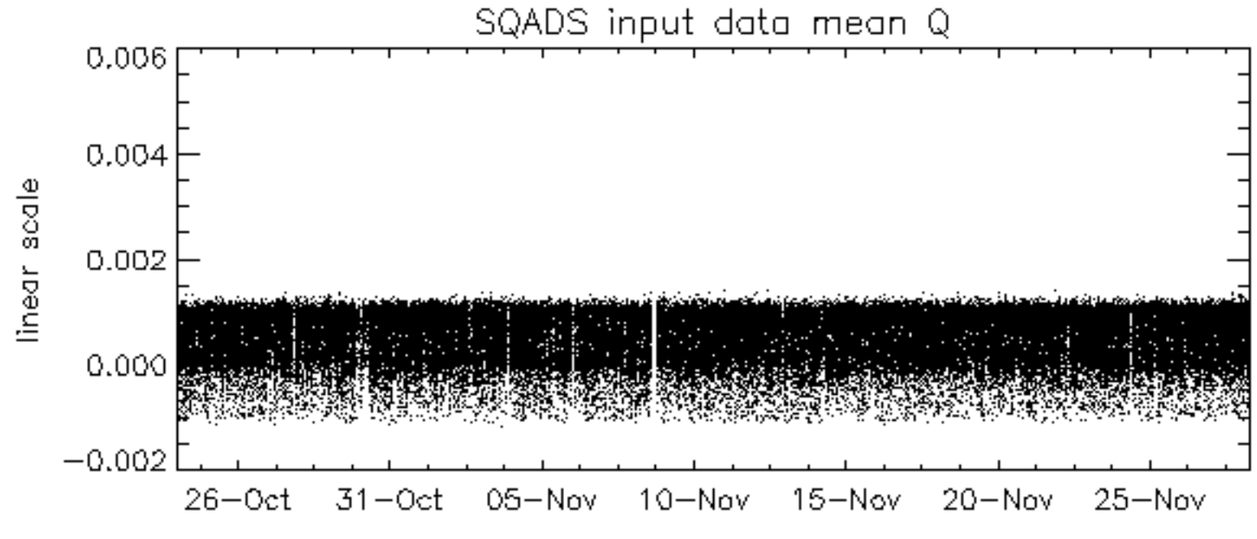
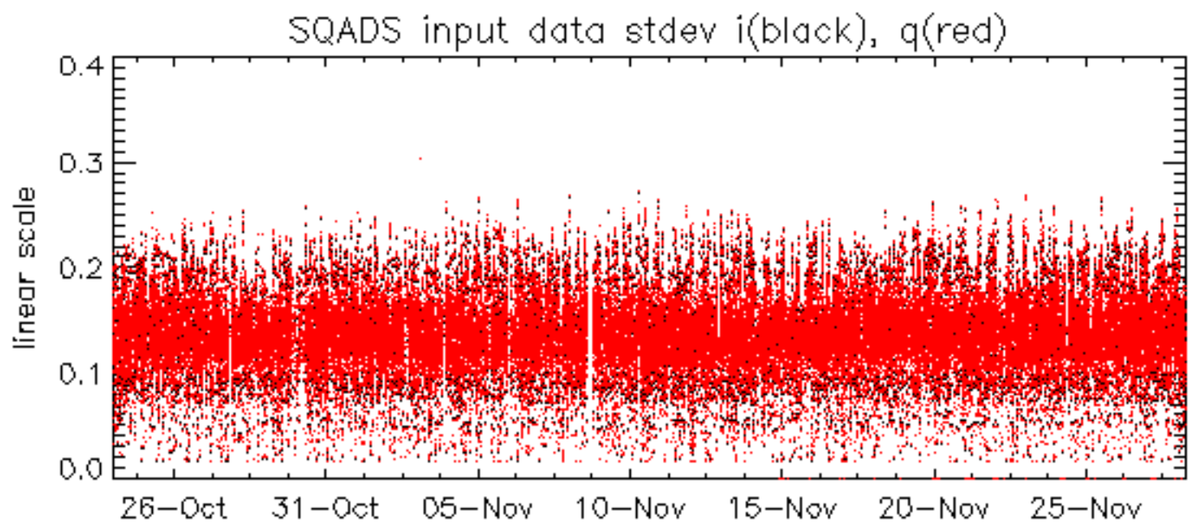
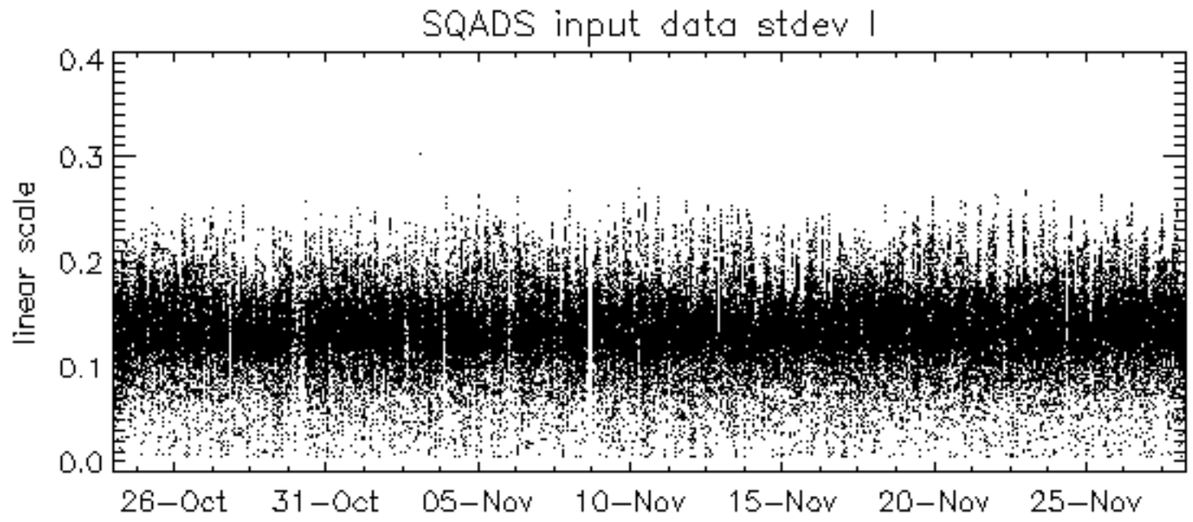

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

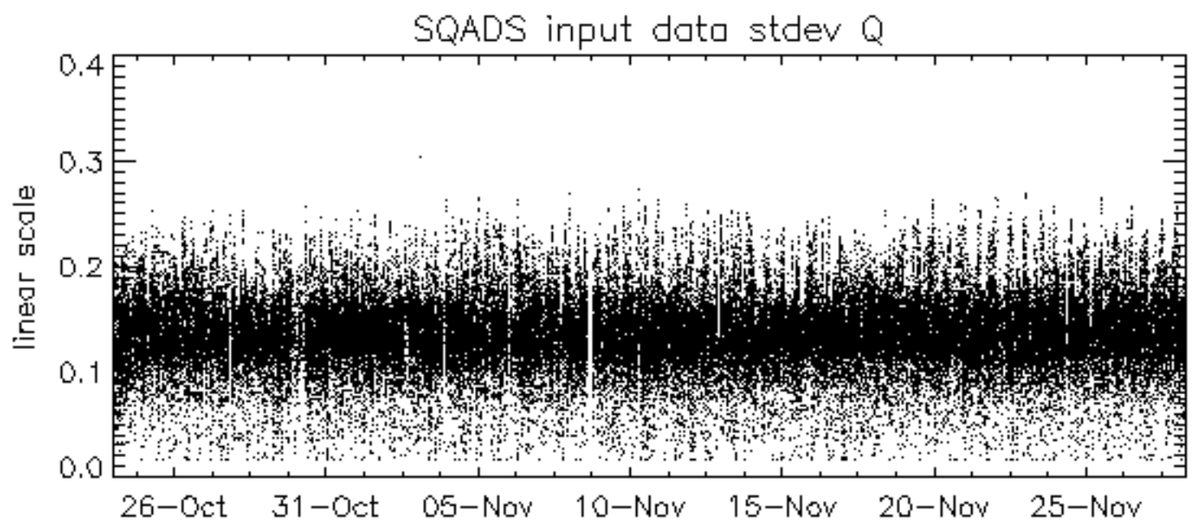

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov

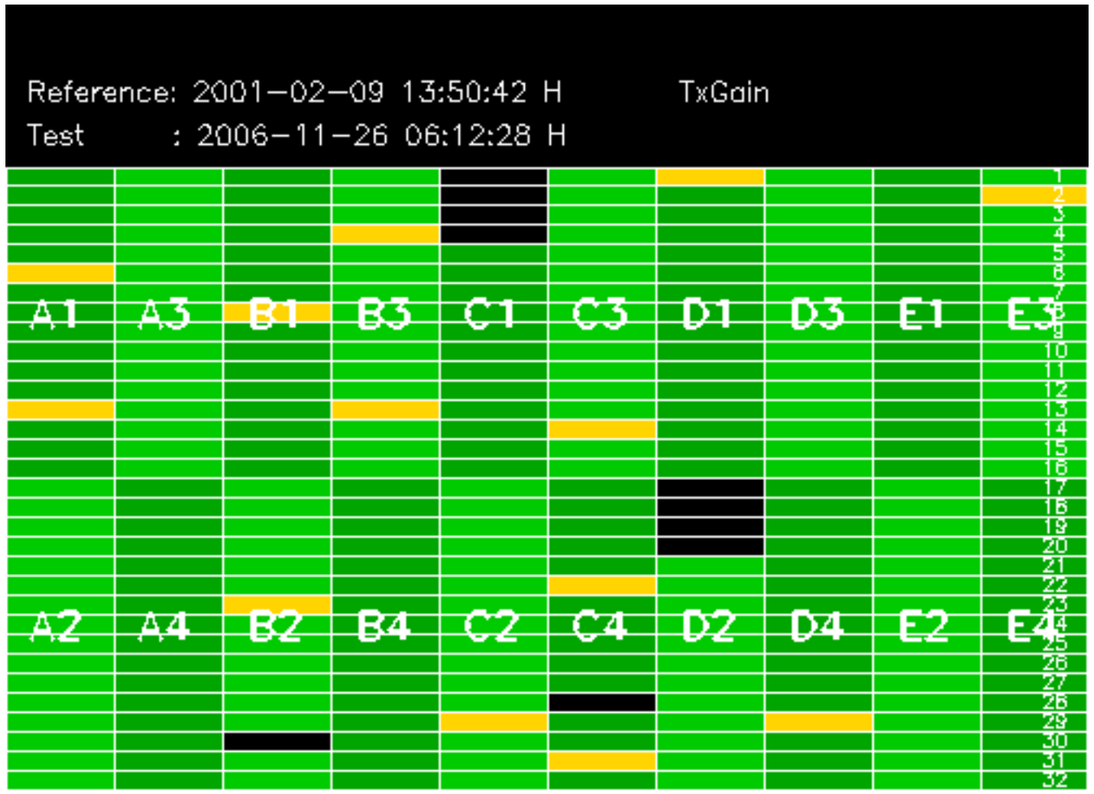

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Oct
31−Oct
05−Nov
10−Nov
15−Nov
20−Nov
25−Nov


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 : 2006-11-26 06:12:28 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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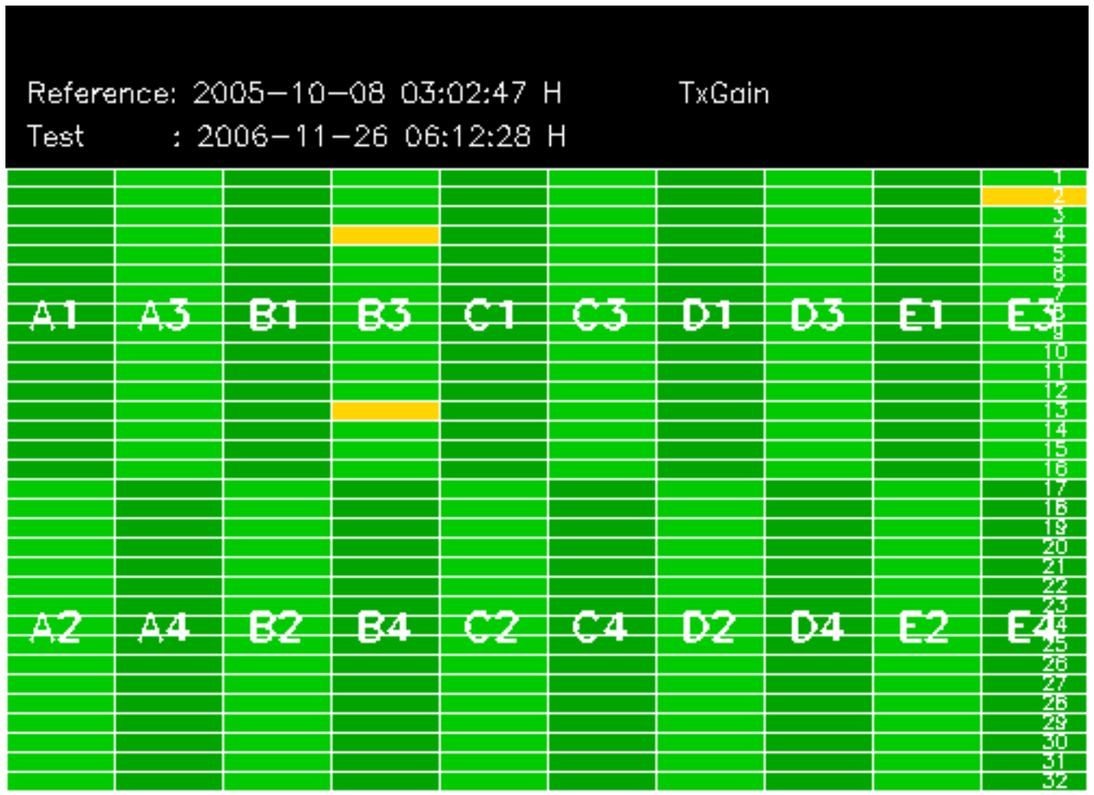
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-26 06:12:28 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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D4
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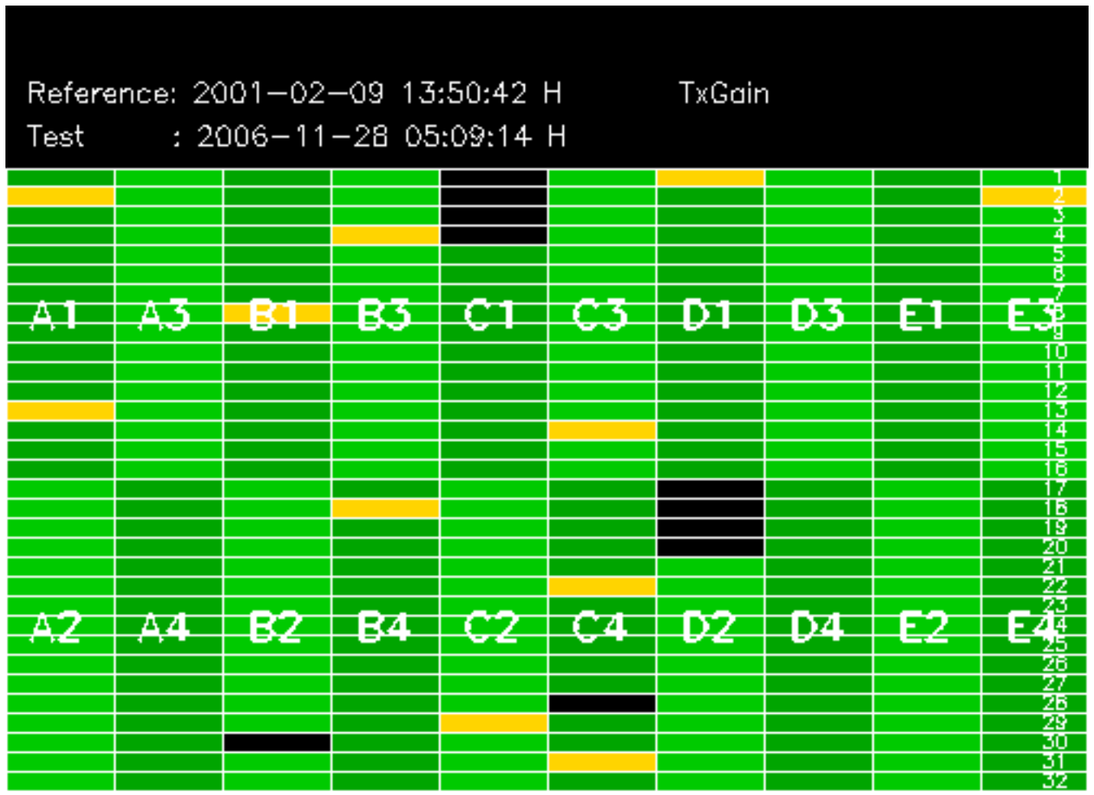
Reference: 2001-02-09 13:50:42 H
Test : 2006-11-28 05:09:14 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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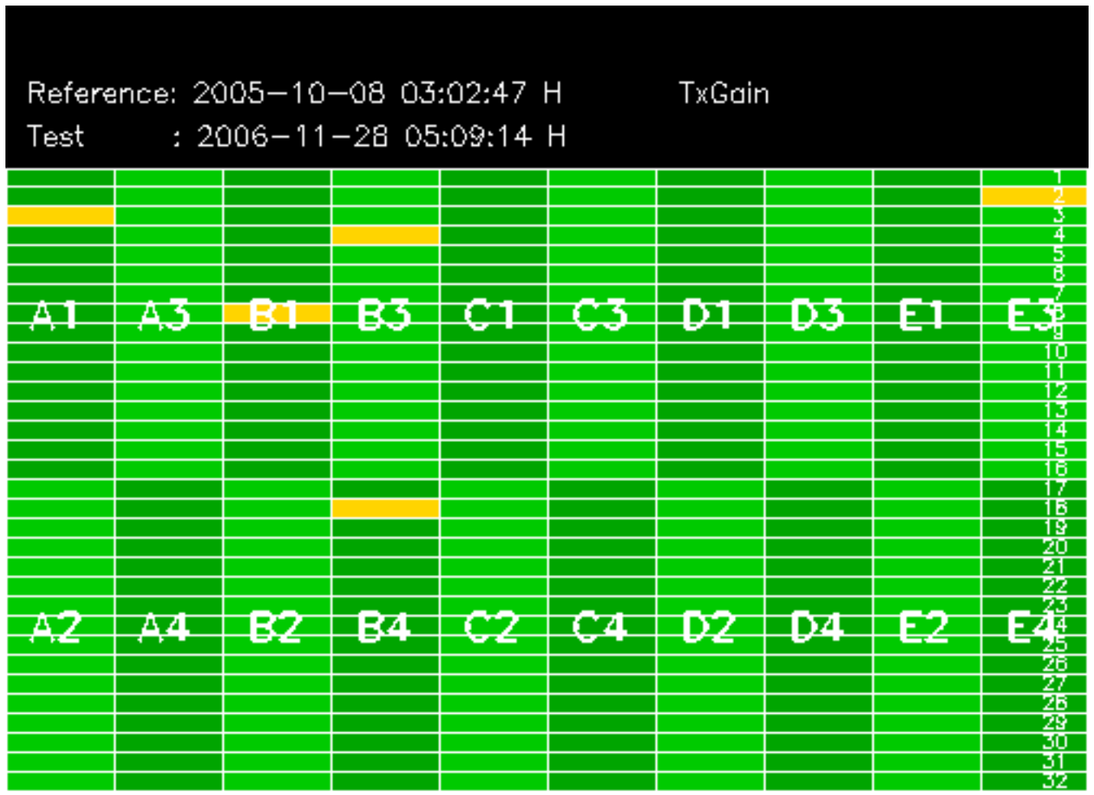
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-28 05:09:14 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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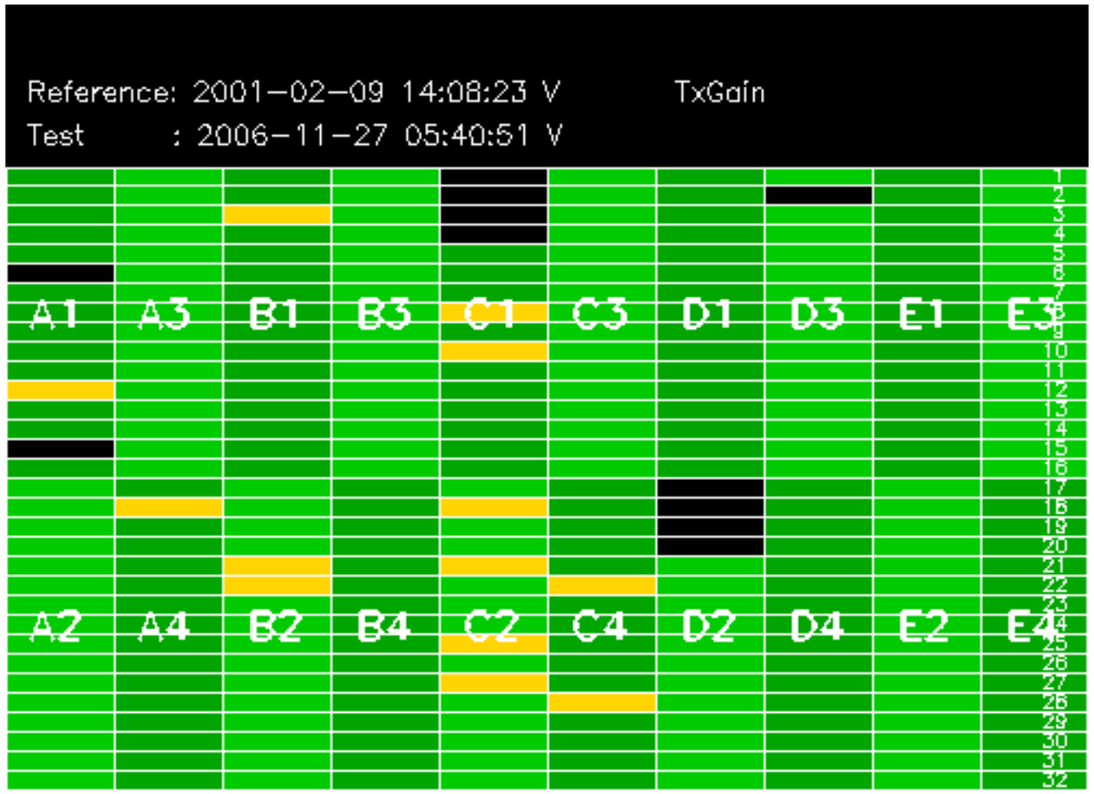
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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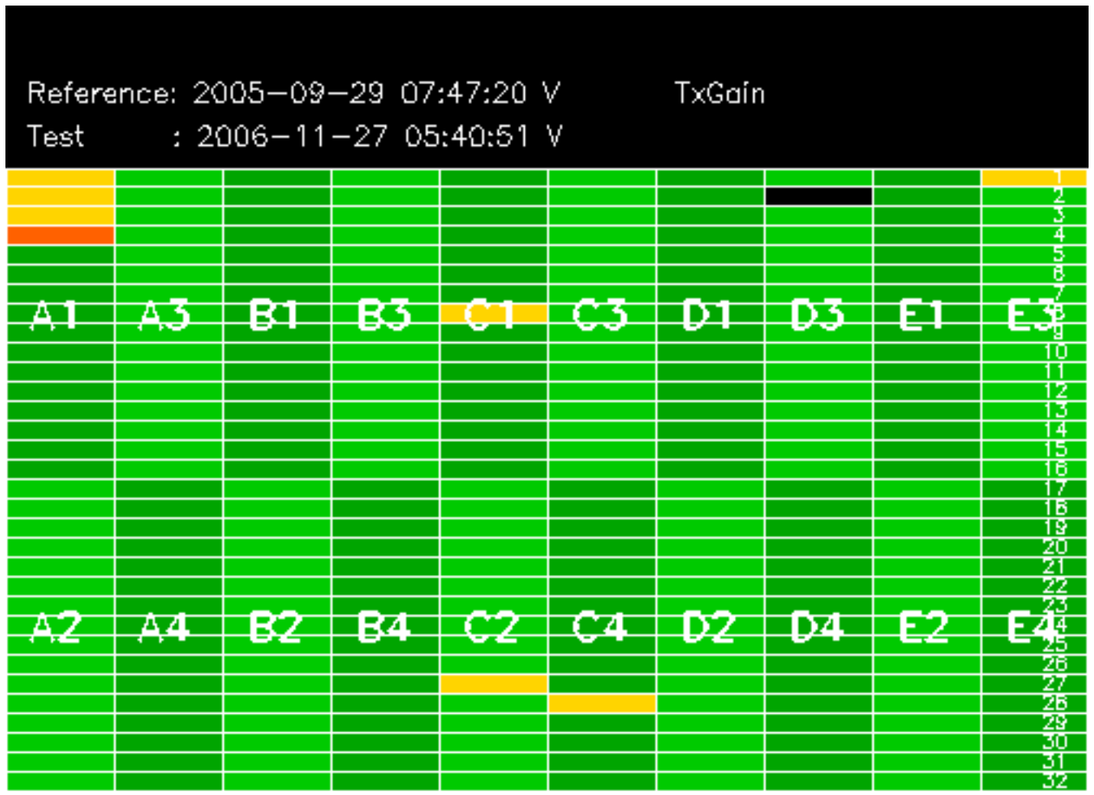
Reference: 2005-09-29 07:47:20 V
Test : 2006-11-27 05:40:51 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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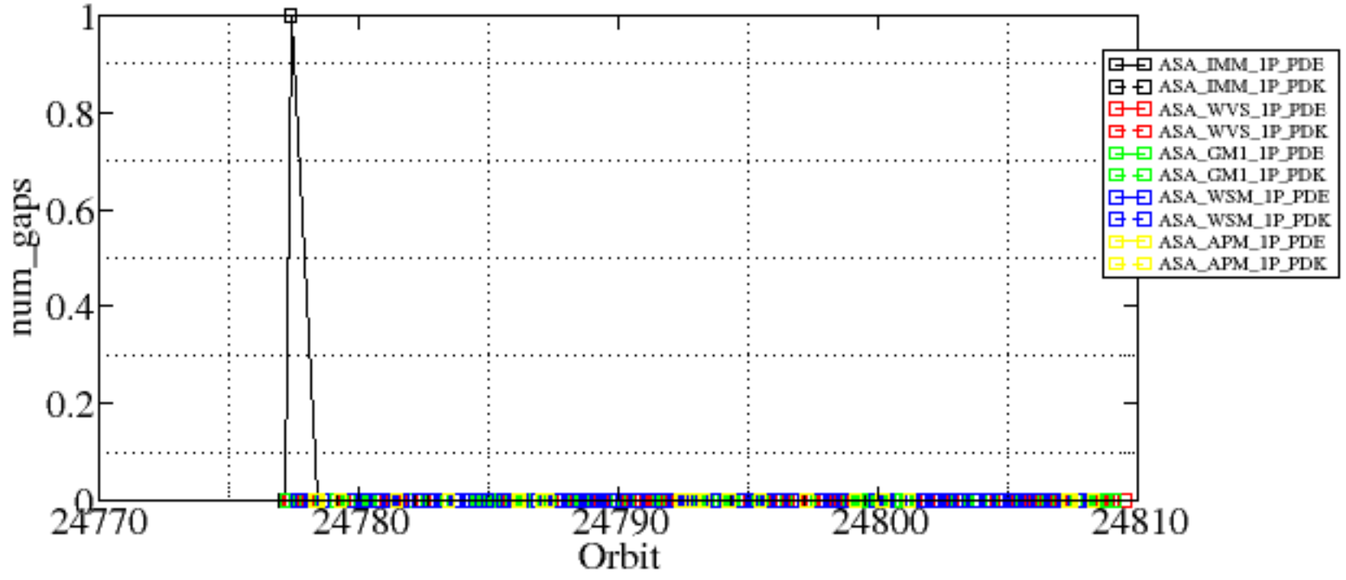
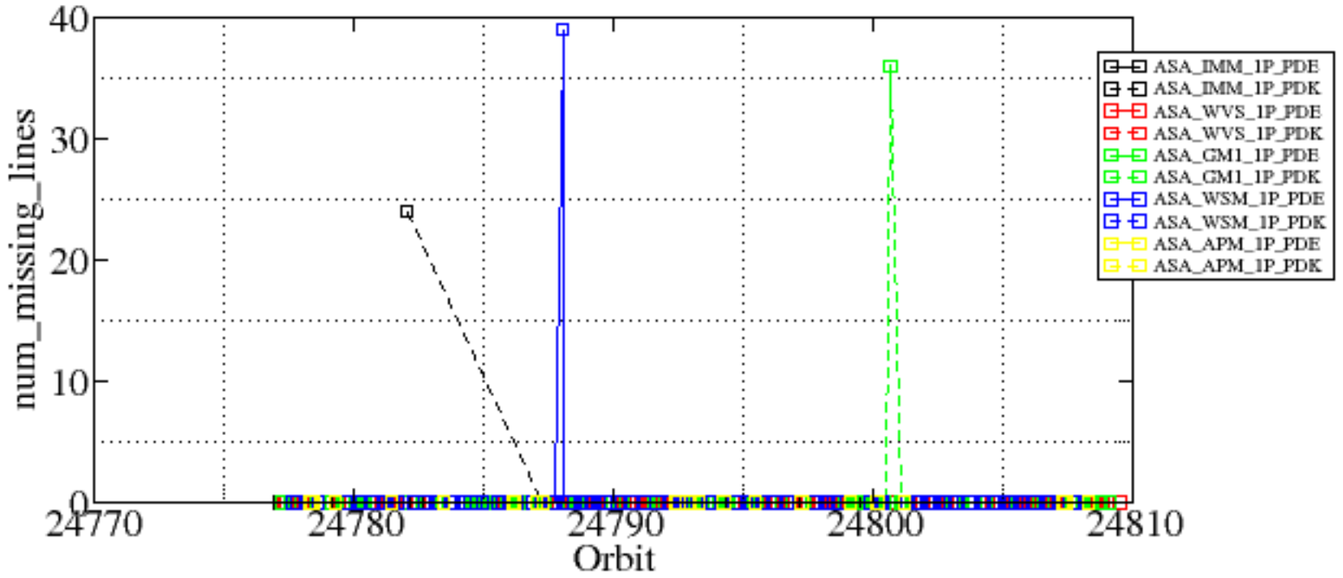
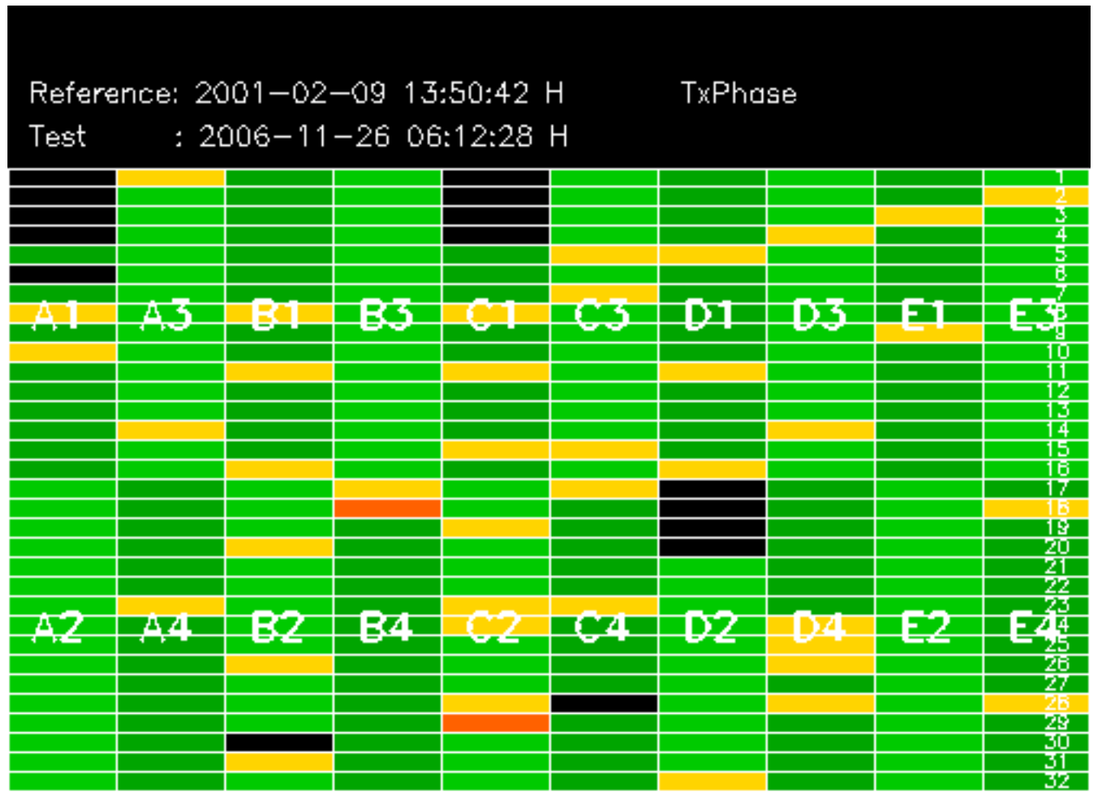
Summary of analysis for the last 3 days 2006112[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20061126_004059_000000622053_00174_24777_9130.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20061126_083104_000000352053_00179_24782_4085.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20061127_154433_000009242053_00197_24800_9420.N1 </td> <td>0 </td> <td>36 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20061126_183459_000000862053_00185_24788_9879.N1 </td> <td>0 </td> <td>39 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
24770
24780
24790
24800
24810
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
24770
24780
24790
24800
24810
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 : 2006-11-26 06:12:28 H
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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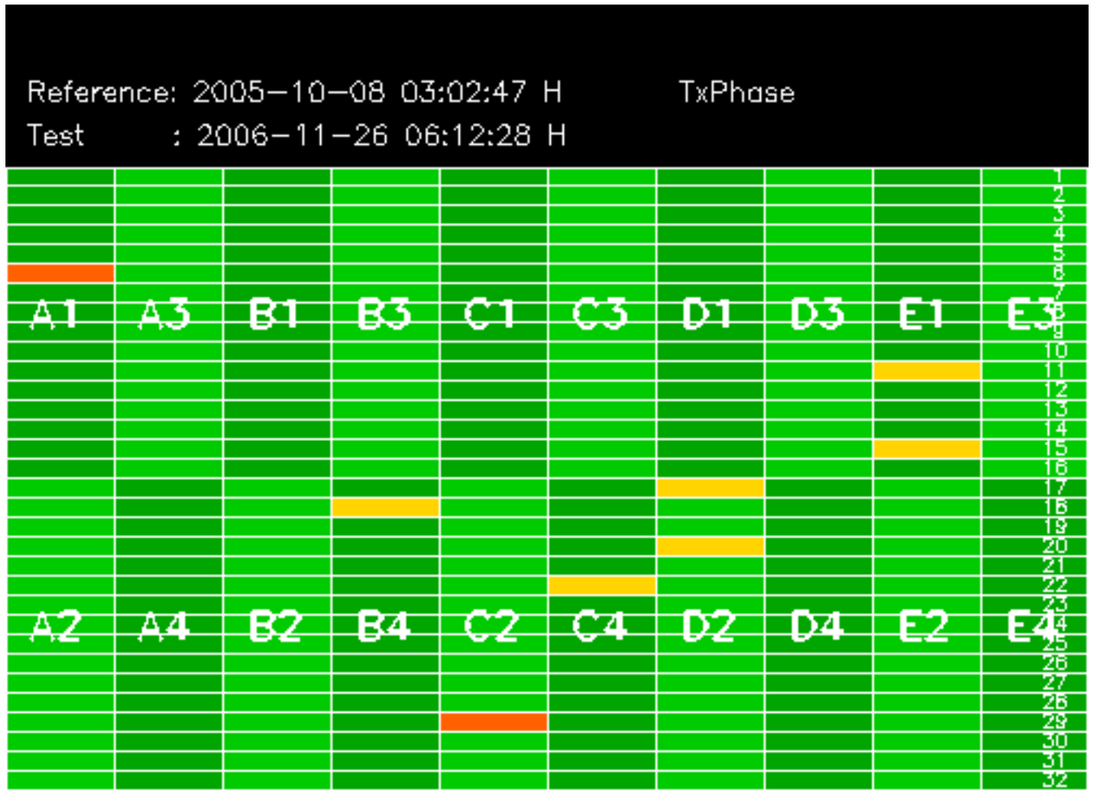
Reference: 2005-10-08 03:02:47 H
Test : 2006-11-26 06:12:28 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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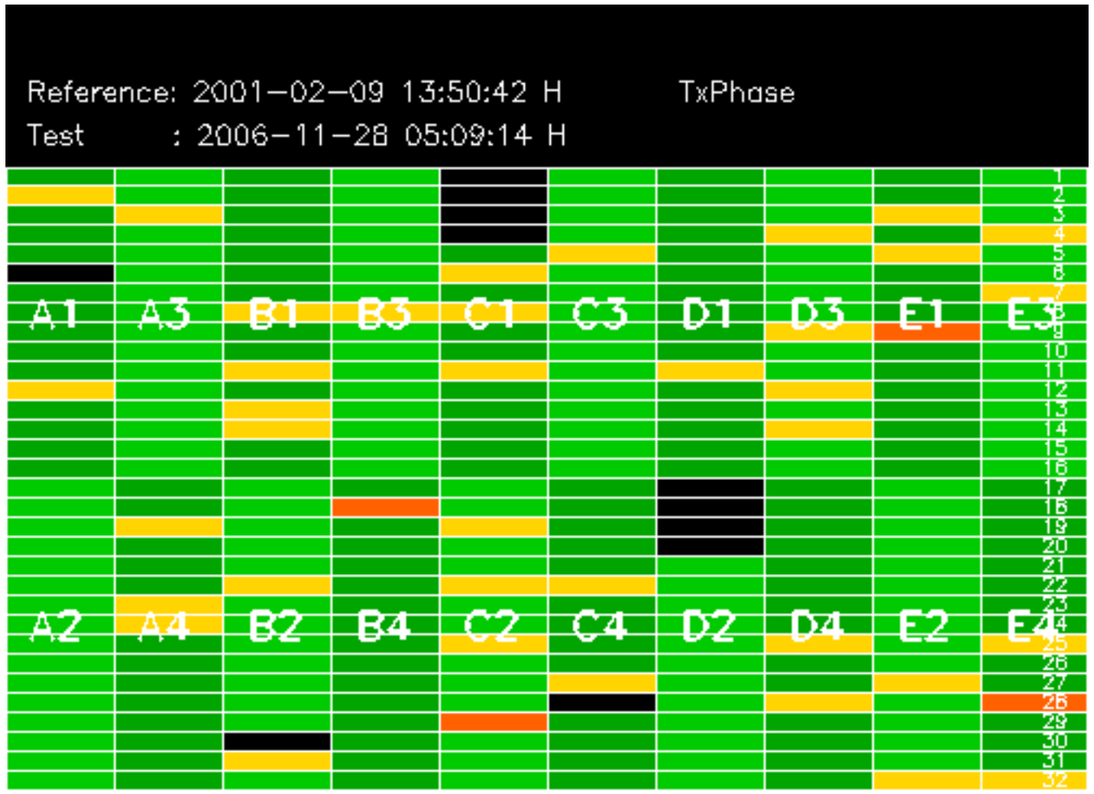
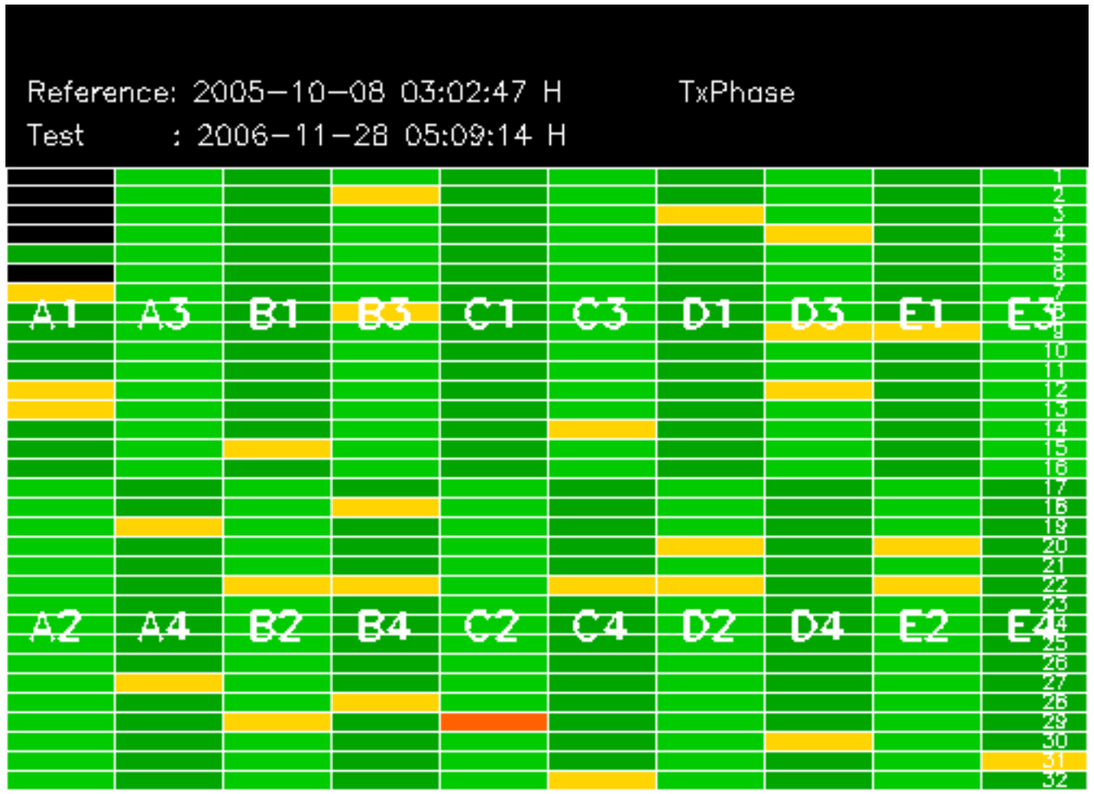

Reference: 2001-02-09 13:50:42 H
Test : 2006-11-28 05:09:14 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-11-28 05:09:14 H
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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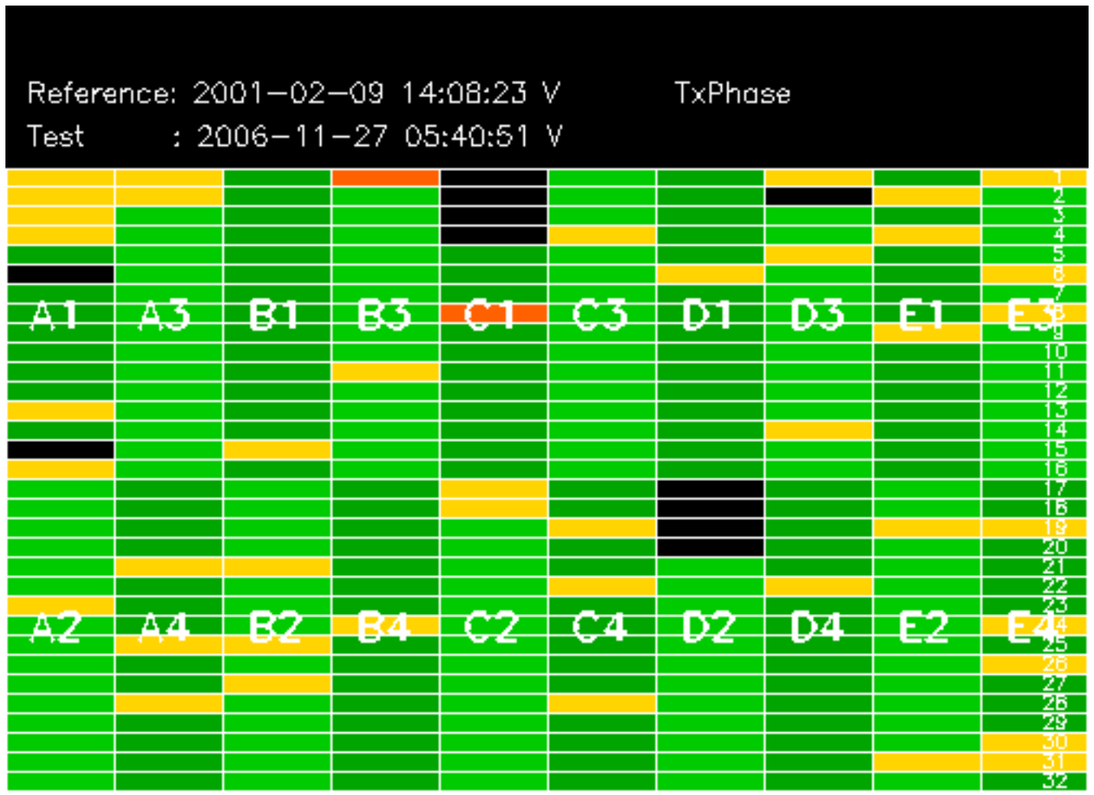
Reference: 2001-02-09 14:08:23 V
Test : 2006-11-27 05:40:51 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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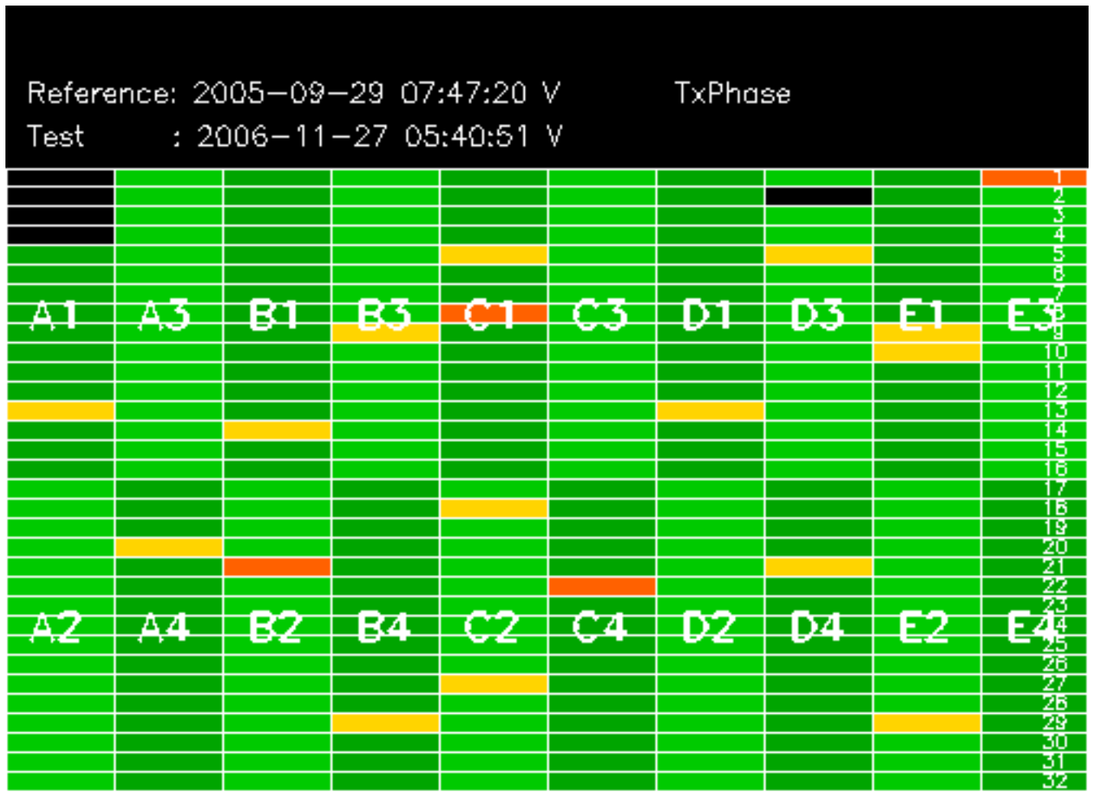
Reference: 2005-09-29 07:47:20 V
TxPhase
Test : 2006-11-27 05:40:51 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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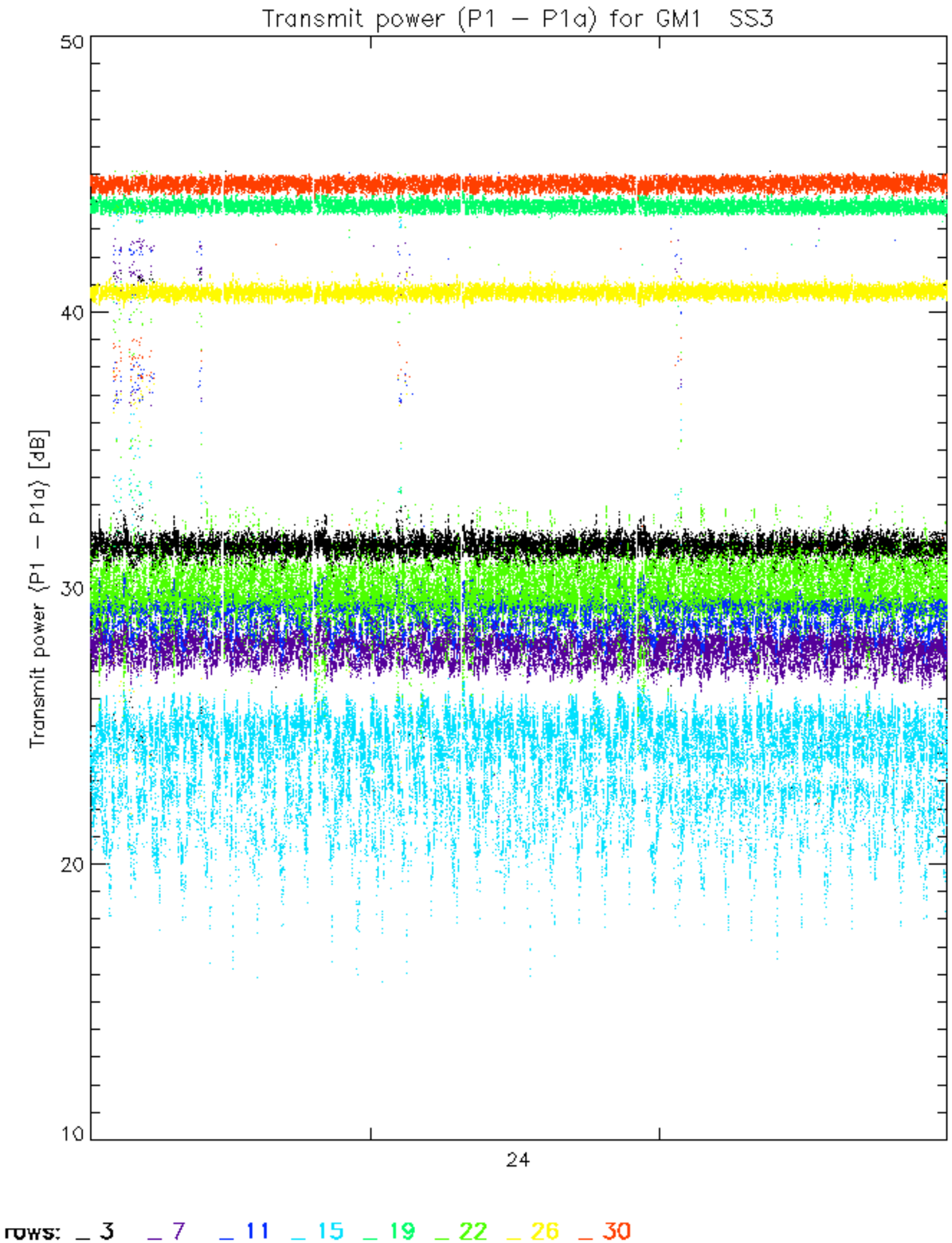
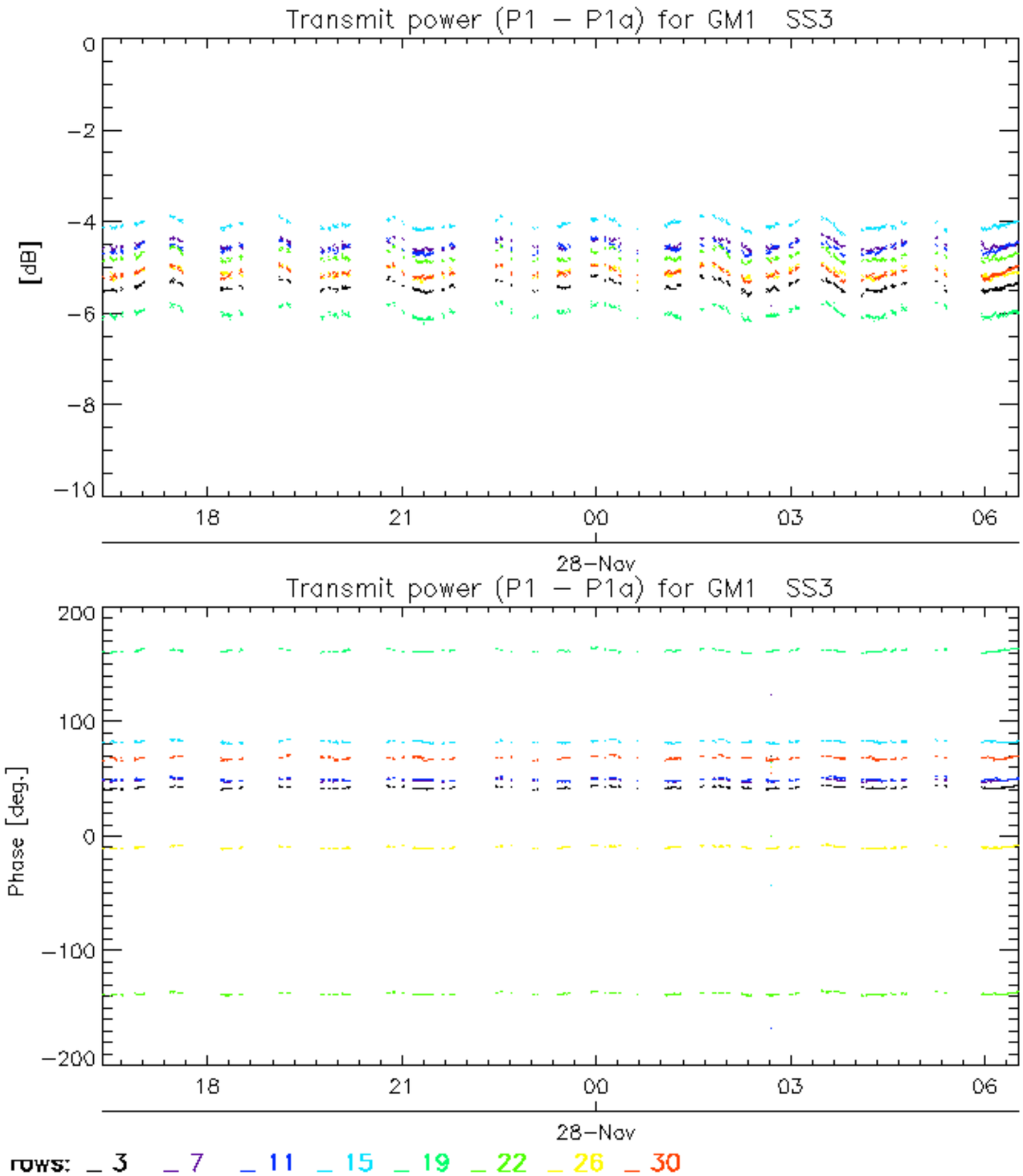
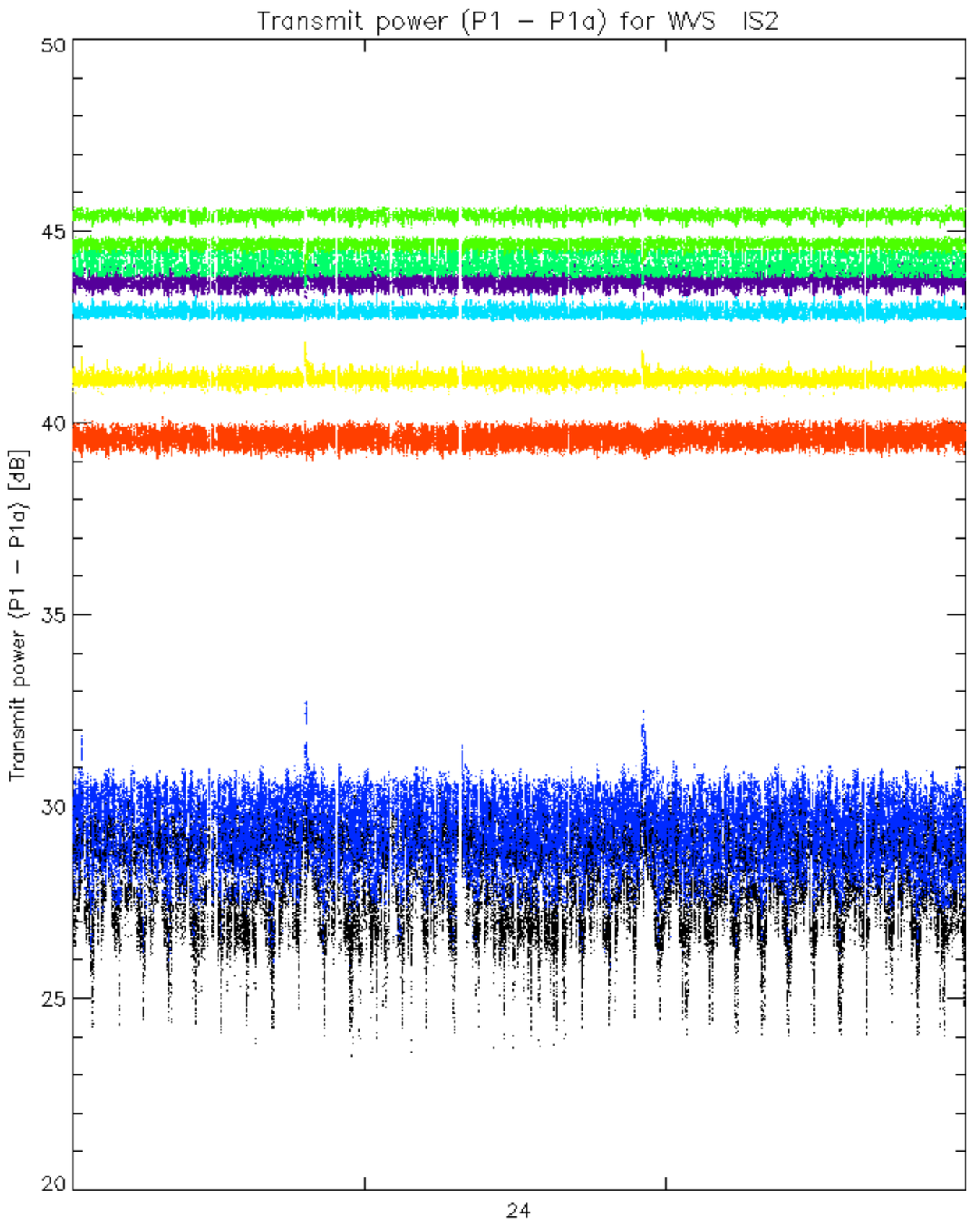
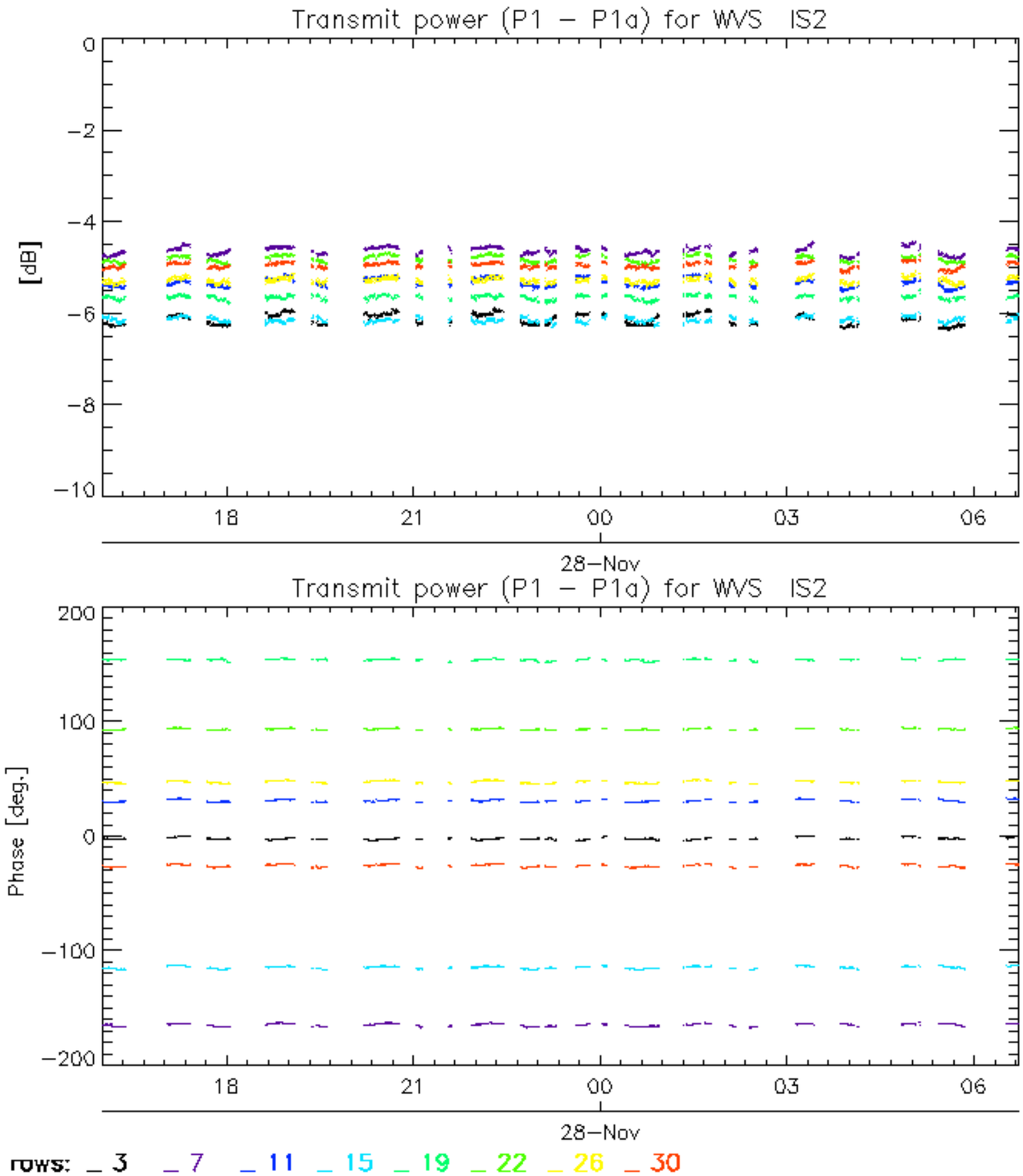

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
24
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
28–Nov
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
28–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
24
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
28–Nov
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
28–Nov
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.