PRELIMINARY REPORT OF 060907

last update on Thu Sep 7 16:42:36 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 2006-09-06 00:00:00 to 2006-09-07 16:42:36

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	43	70	15	3	1
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	43	70	15	3	1
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	43	70	15	3	1
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	70	15	3	1

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	38	52	25	17	81
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	38	52	25	17	81
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	38	52	25	17	81
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	52	25	17	81

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	20060906 170159
H	20060907 062647

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	-3.942265	0.009728	0.002226
7	P1	-3.073703	0.051165	0.100997
11	P1	-4.078953	0.065163	0.106127
15	P1	-6.203576	0.094742	0.090533
19	P1	-3.495188	0.045023	-0.139097
22	P1	-4.564824	0.024452	0.005773
26	P1	-3.933572	0.020432	-0.039604
30	P1	-5.783126	0.129840	-0.097840
3	P1	-16.564409	0.263263	-0.121594
7	P1	-16.841492	0.632191	-0.089690
11	P1	-16.814247	0.315086	0.102600
15	P1	-12.942546	0.143613	0.063586
19	P1	-14.579712	0.395961	-0.274710
22	P1	-15.782726	0.554169	0.382115
26	P1	-15.188036	0.207663	-0.123696
30	P1	-16.971888	0.398914	0.215677

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.850668	0.083564	0.092784
7	P2	-21.861099	0.098159	-0.017964
11	P2	-15.750050	0.111326	0.002732
15	P2	-7.097641	0.097875	0.018094
19	P2	-9.114116	0.091035	-0.002363
22	P2	-18.129240	0.085097	0.028823
26	P2	-16.399452	0.092080	-0.013450
30	P2	-19.475227	0.090166	0.015466

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.175285	0.004020	-0.011765
7	P3	-8.175285	0.004020	-0.011765
11	P3	-8.175285	0.004020	-0.011765
15	P3	-8.175285	0.004020	-0.011765
19	P3	-8.175285	0.004020	-0.011765
22	P3	-8.175285	0.004020	-0.011765
26	P3	-8.175330	0.004019	-0.011642
30	P3	-8.175330	0.004019	-0.011642

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	-3.837590	0.021347	-0.017865
7	P1	-2.497219	0.280495	0.156264
11	P1	-2.903632	0.140914	0.127723
15	P1	-3.668192	0.144110	0.084763
19	P1	-3.450482	0.073456	-0.106247
22	P1	-5.089254	0.034543	-0.026334
26	P1	-5.869308	0.028133	0.009739
30	P1	-5.196886	0.078653	-0.047424
3	P1	-11.629379	0.067475	-0.009230
7	P1	-9.924253	0.187900	0.009097
11	P1	-10.317941	0.084449	-0.041754
15	P1	-10.846189	0.176940	-0.098484
19	P1	-15.654957	3.213501	-0.600728
22	P1	-20.860500	1.705845	0.227307
26	P1	-16.038406	0.414696	0.304646
30	P1	-18.004099	0.783154	-0.098488

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.444002	0.080090	0.098607
7	P2	-22.230860	0.192280	0.096729
11	P2	-10.923962	0.055796	0.083543
15	P2	-4.872015	0.041054	0.036802
19	P2	-6.853370	0.040538	0.016817
22	P2	-8.172087	0.061453	0.048800
26	P2	-24.166620	0.126133	-0.003833
30	P2	-21.963663	0.077026	0.016280

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.017879	0.003644	-0.013538
7	P3	-8.017693	0.003643	-0.013225
11	P3	-8.017760	0.003648	-0.012837
15	P3	-8.017742	0.003657	-0.012854
19	P3	-8.017782	0.003666	-0.013251
22	P3	-8.017957	0.003632	-0.013280
26	P3	-8.017783	0.003649	-0.013564
30	P3	-8.017718	0.003646	-0.013220

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	0.000549560
	stdev	1.78132e-07
MEAN Q	mean	0.000529938
	stdev	2.16324e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136051
	stdev	0.00108404
STDEV Q	mean	0.136395
	stdev	0.00110019

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006090[567]
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_1PNPDE20060906_004518_000001932051_00016_23617_5564.N1	1	0
ASA_IMM_1PNPDE20060906_010159_000000692051_00017_23618_5567.N1	1	0
ASA_GM1_1PNPDK20060906_174208_000007252051_00027_23628_4299.N1	0	8
ASA_WSM_1PNPDE20060905_162916_000001222051_00012_23613_1099.N1	0	57
ASA_WSM_1PNPDE20060905_231132_000000672051_00016_23617_1152.N1	0	16
ASA_WSM_1PNPDE20060905_231134_000001092051_00016_23617_1265.N1	0	16
ASA_WSM_1PNPDE20060906_131931_000001472051_00024_23625_1280.N1	0	33
ASA_WSM_1PNPDE20060906_155552_000000852051_00026_23627_1281.N1	0	65
ASA_WSM_1PNPDE20060907_010442_000002632051_00031_23632_1387.N1	0	36

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

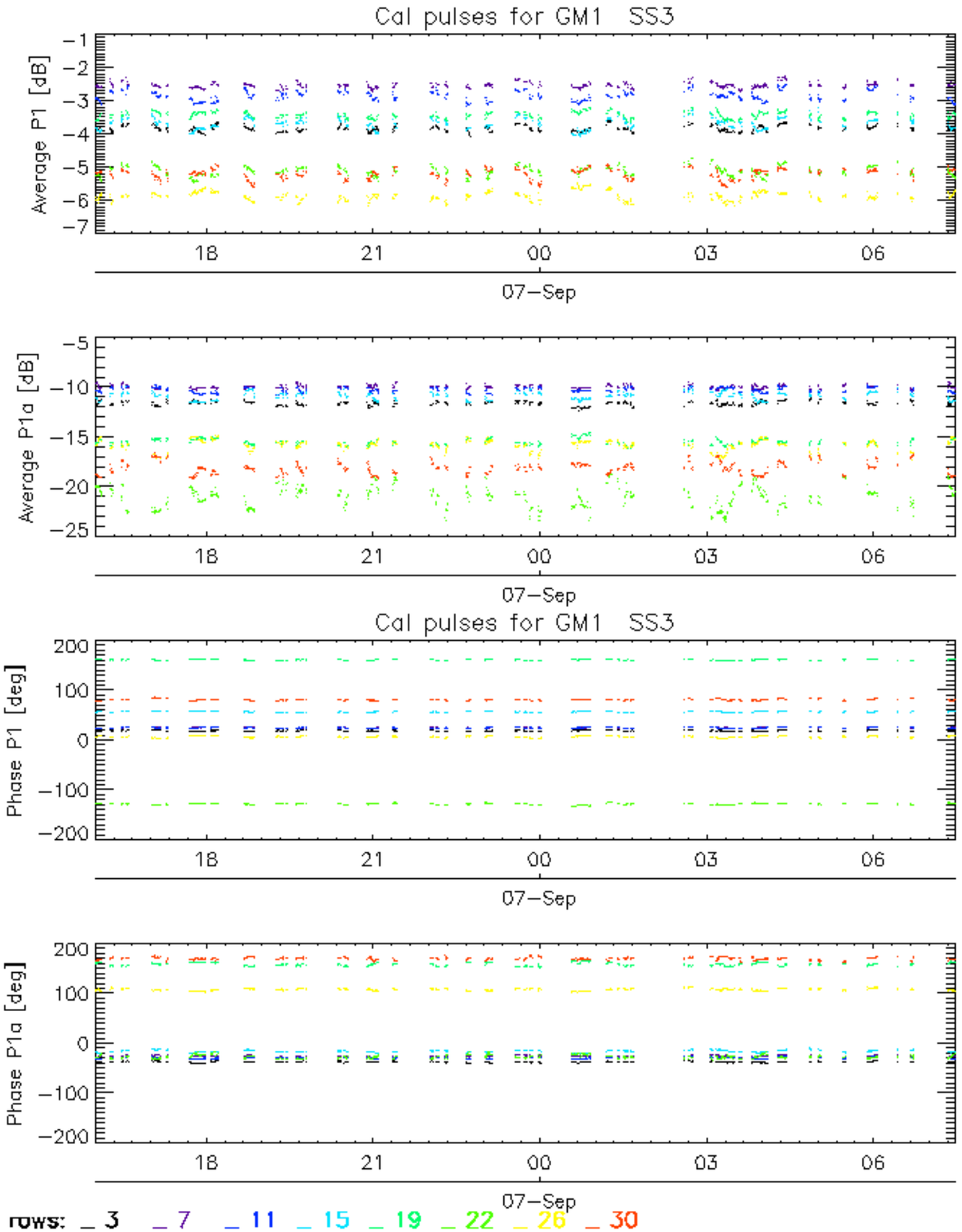
Evolution of Absolute Doppler

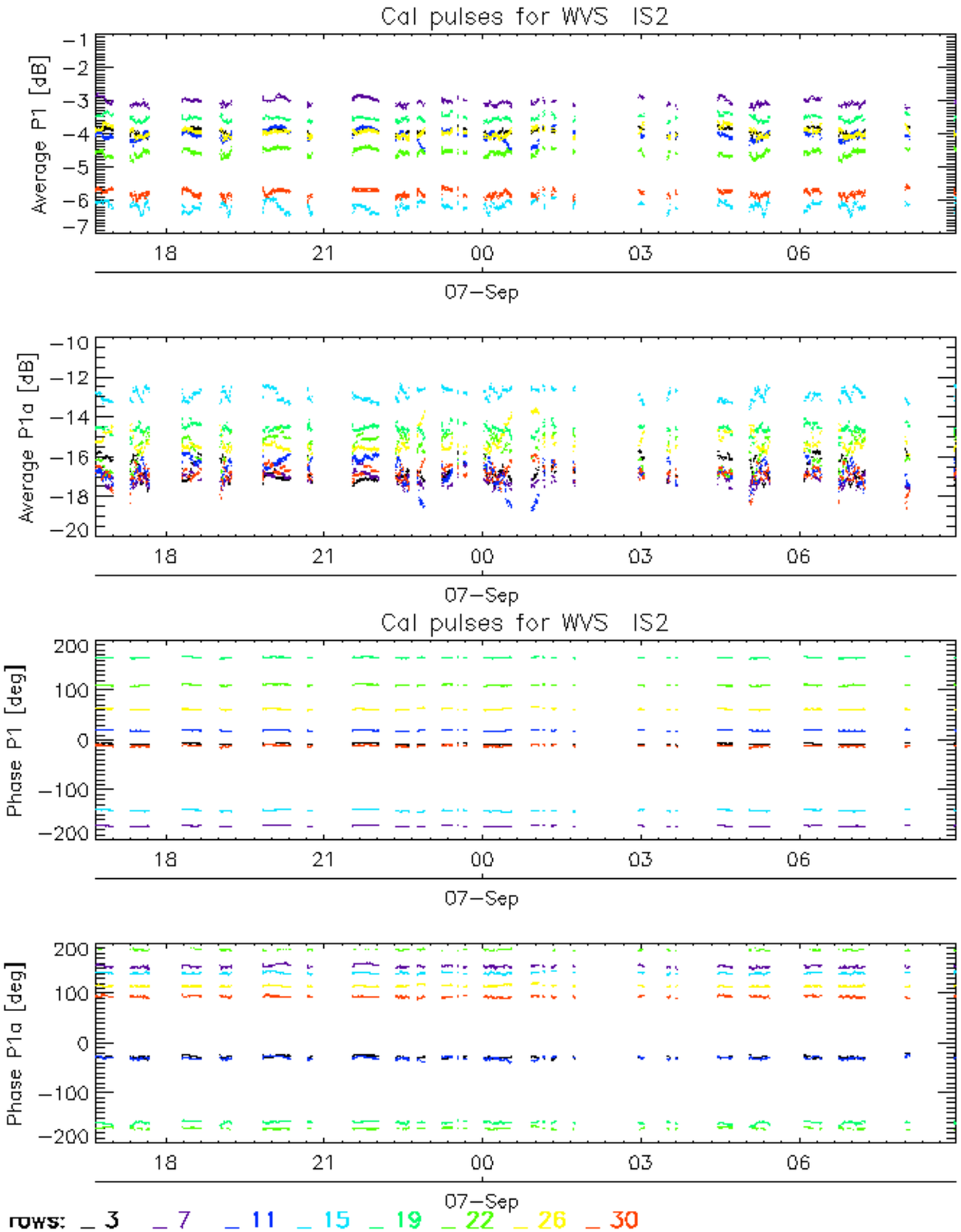
Acsending

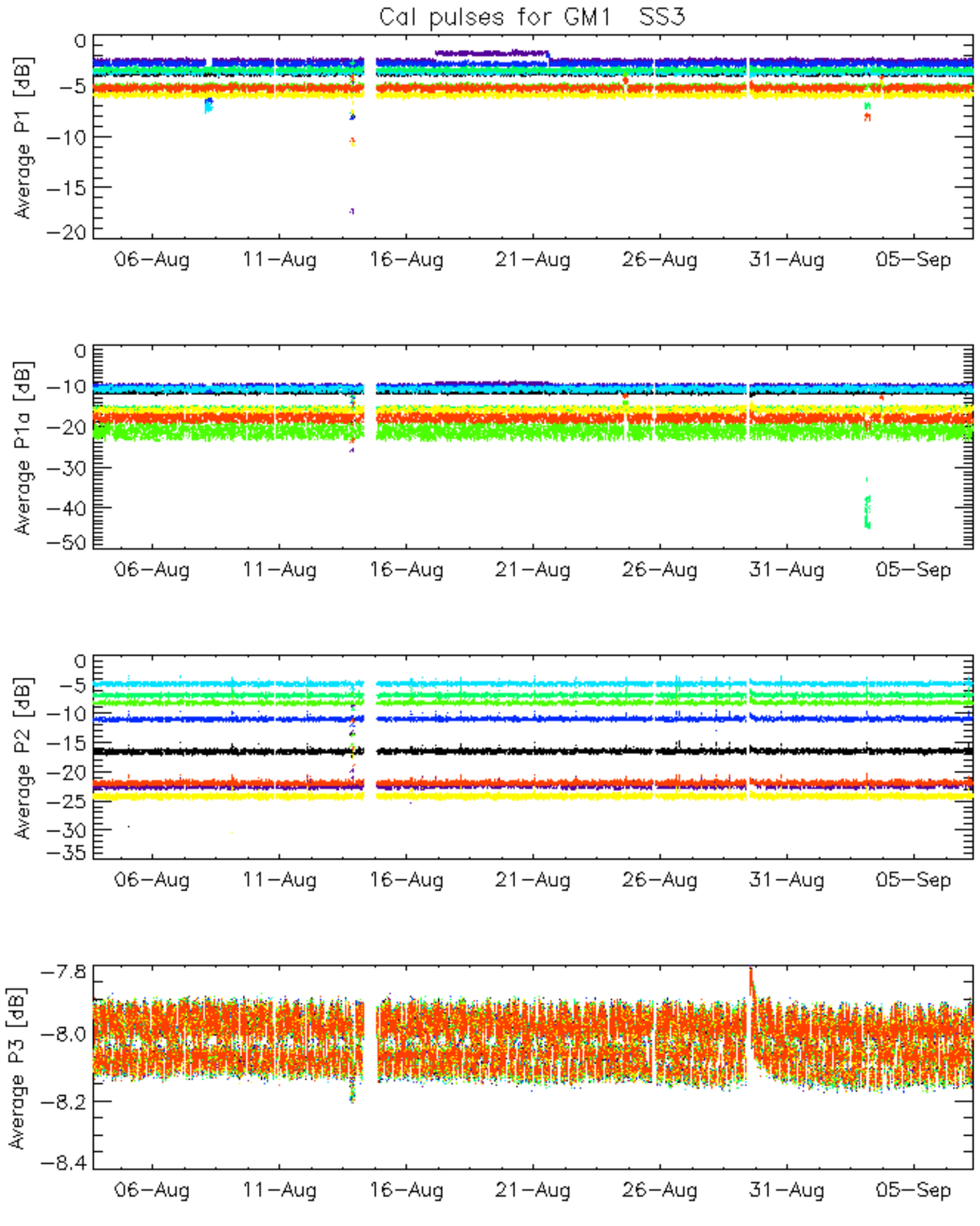
Descending

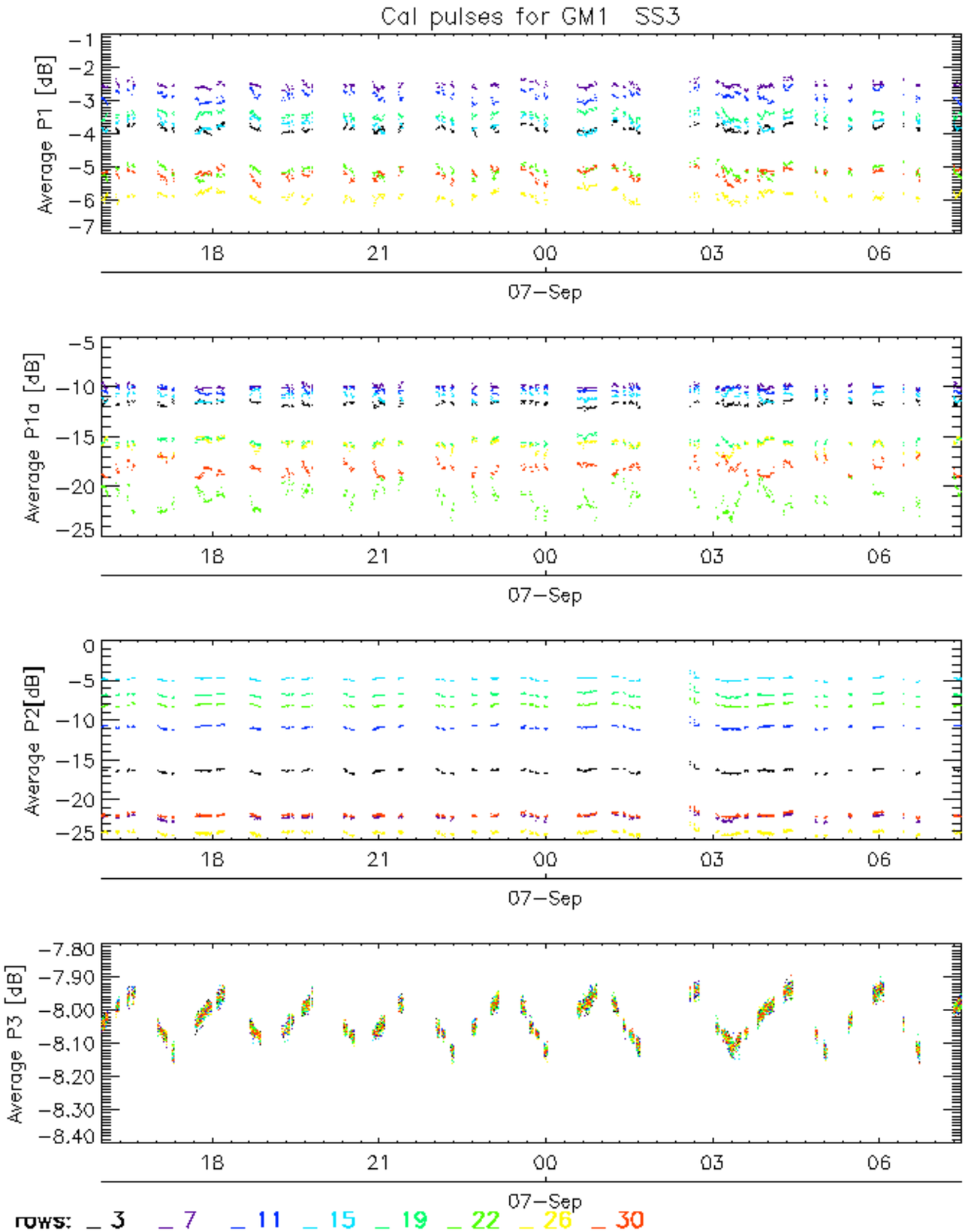
7.6 - Doppler evolution versus ANX for GM1

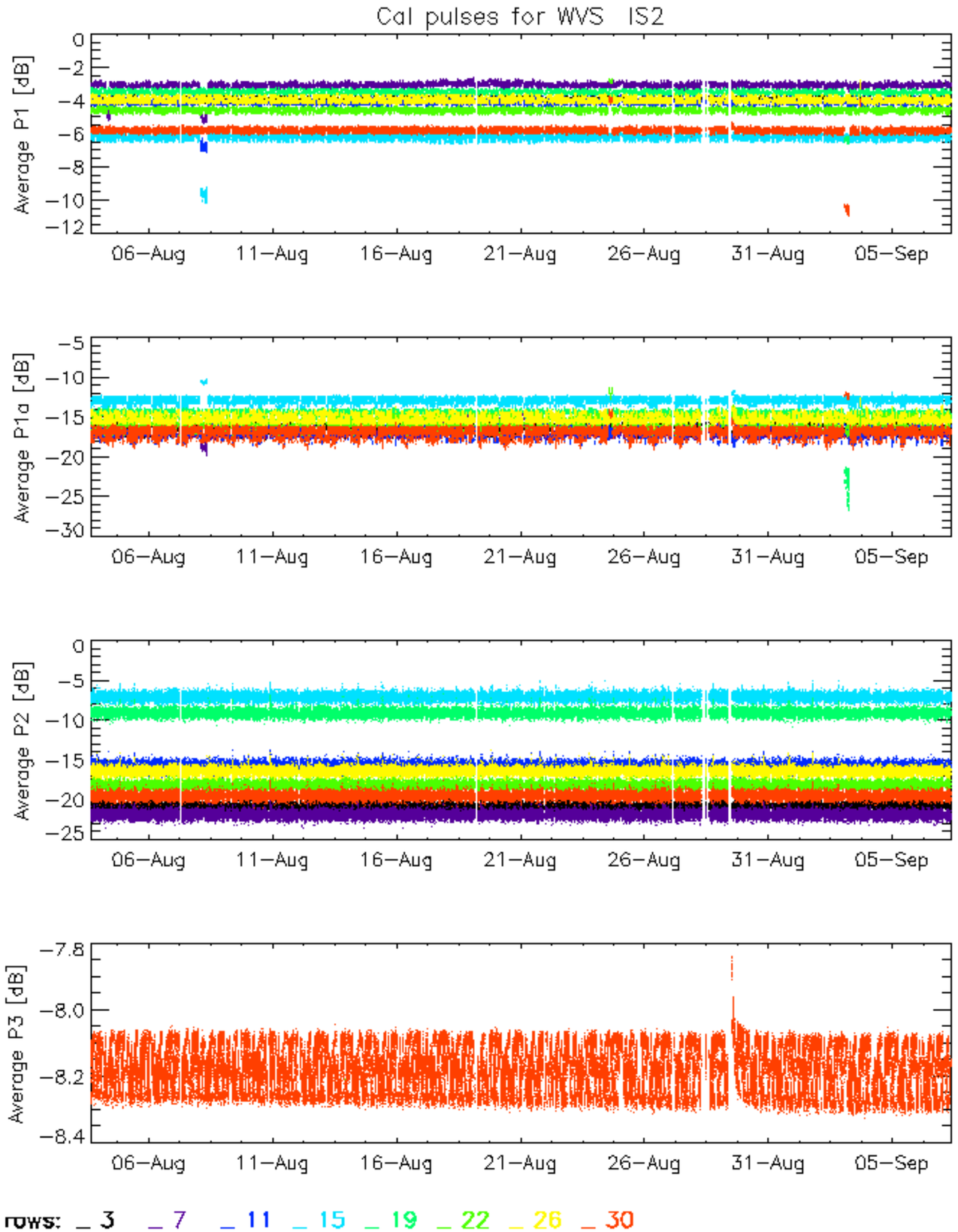
Evolution Doppler error versus ANX

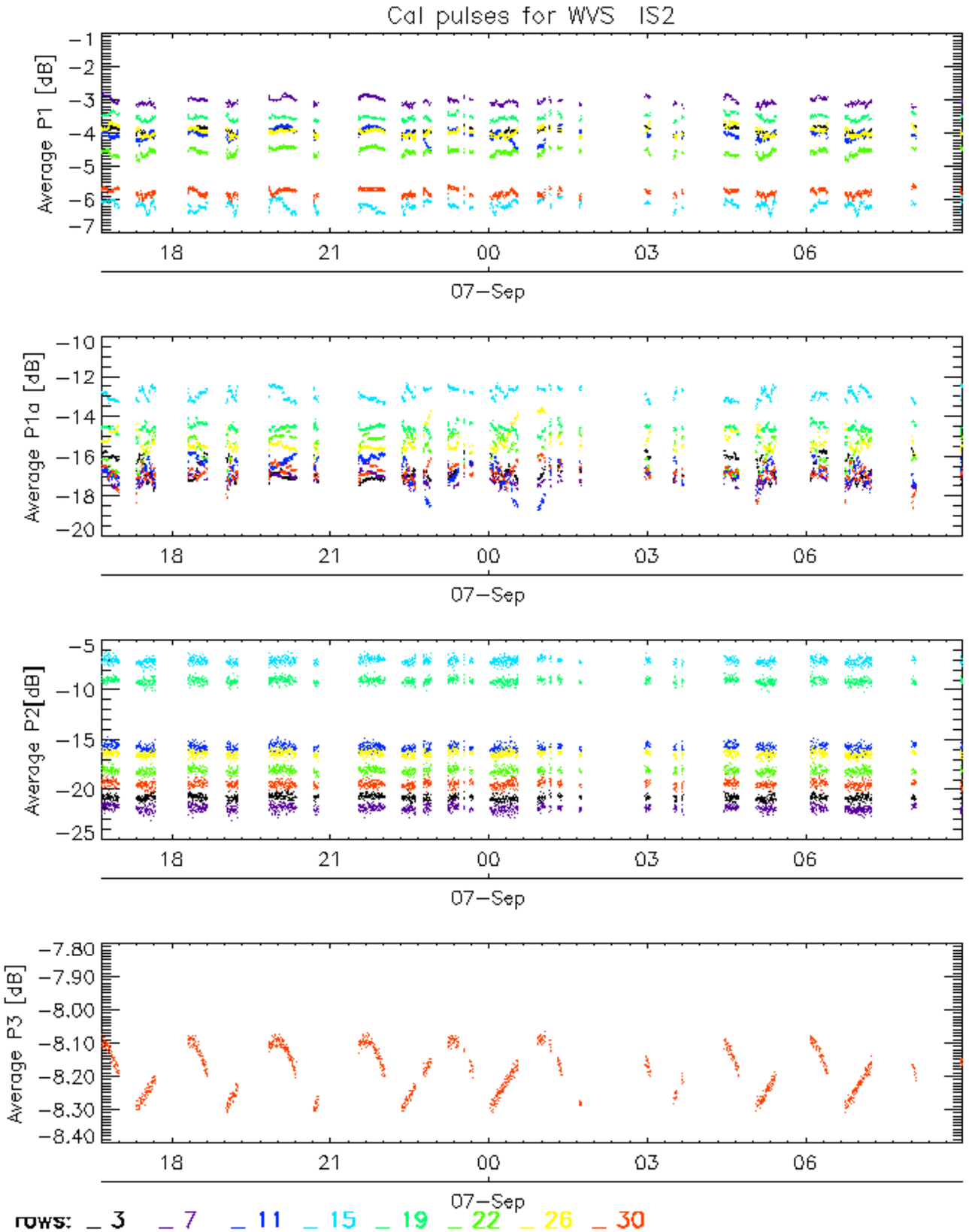


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
07−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
07−Sep
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
07−Sep
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
07−Sep
rows: _ 3 _ 7 _ 11 _ 15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


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

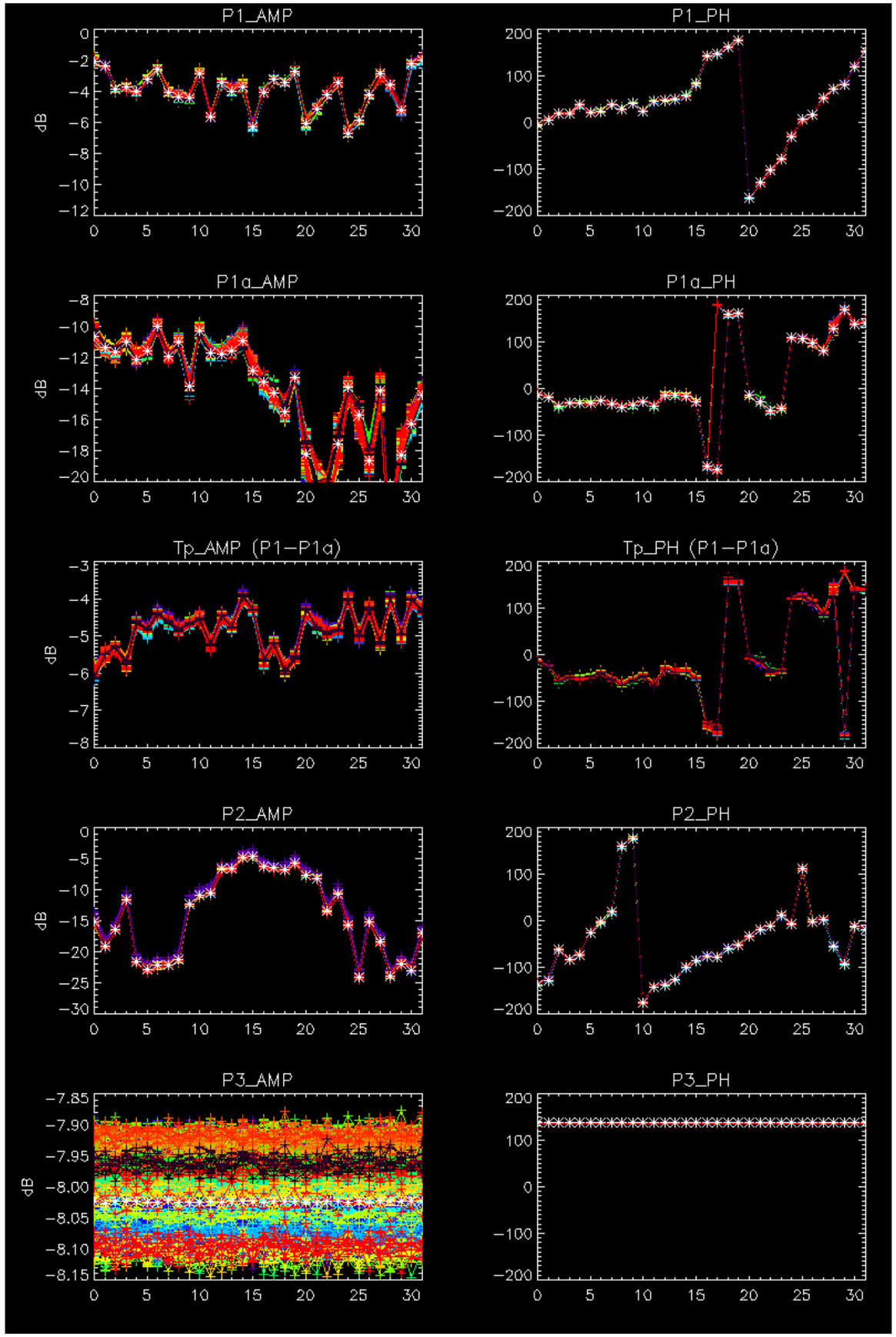

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
−35
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

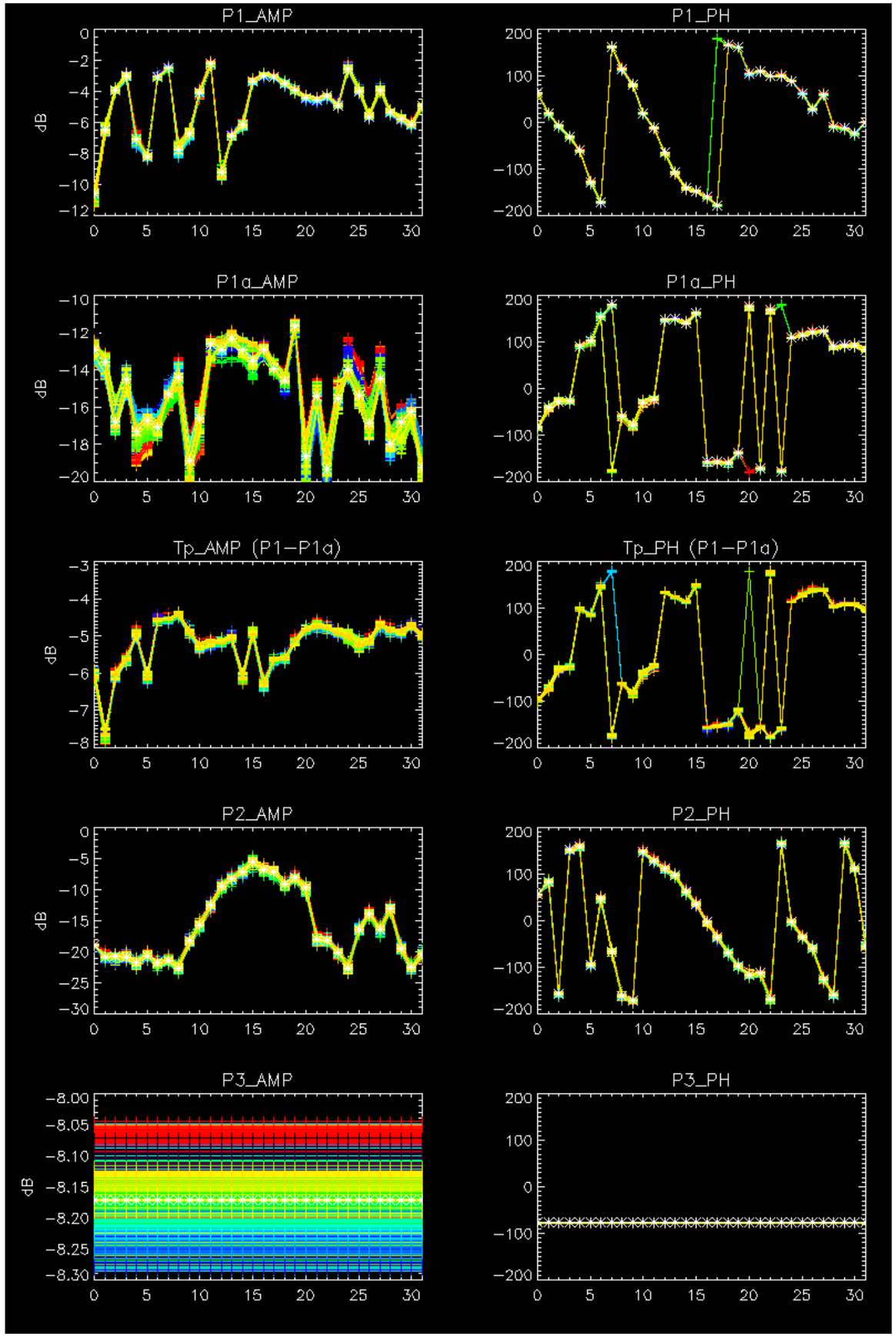

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
07−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
07−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
07−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
07−Sep
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
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
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
07−Sep
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
07−Sep
Average P2[dB]
−5
−10
−15
−20
−25
18
21
00
03
06
07−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
07−Sep
rows: 3 7 11 15 19 22 26 30

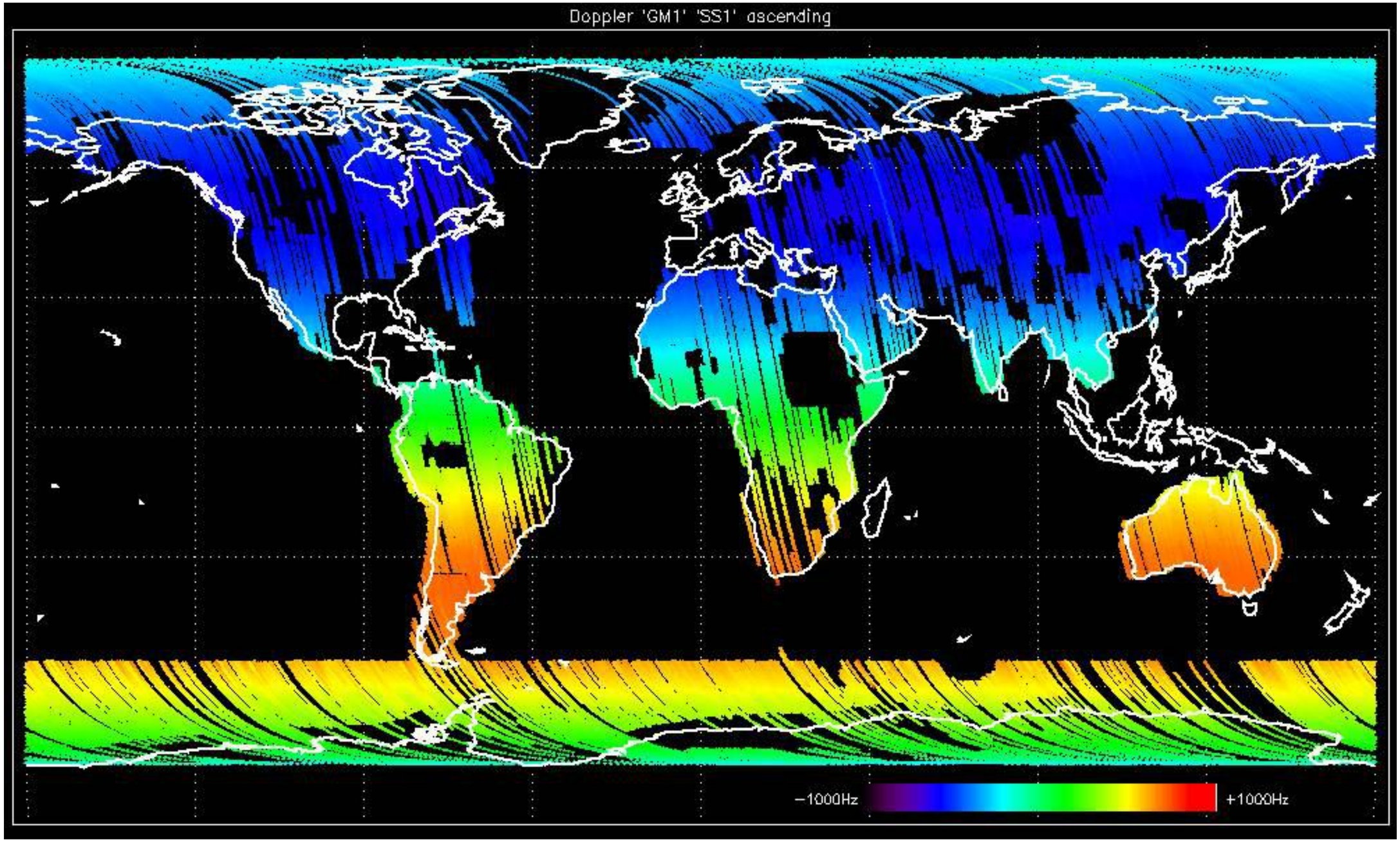
No anomalies observed.

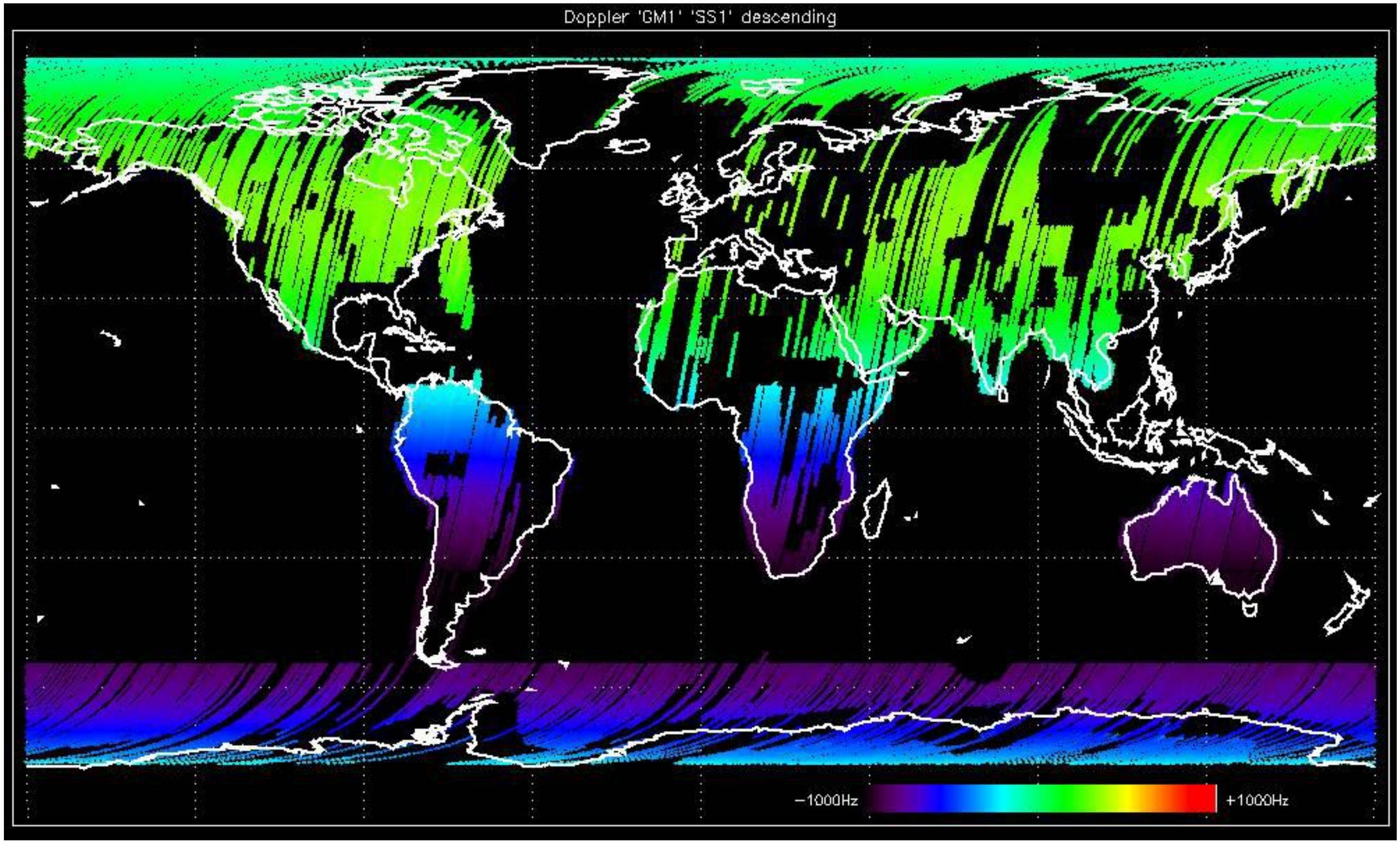

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

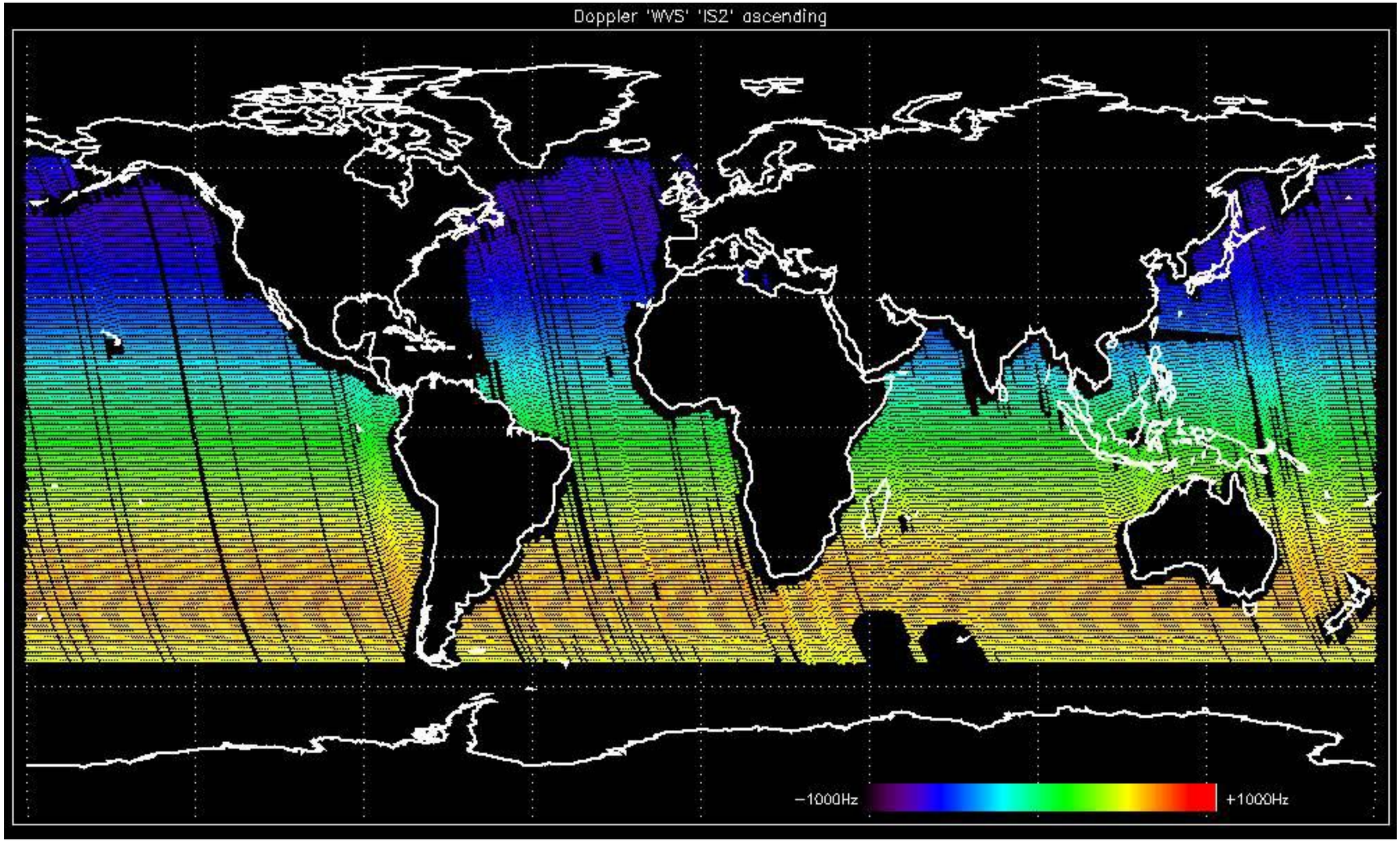

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

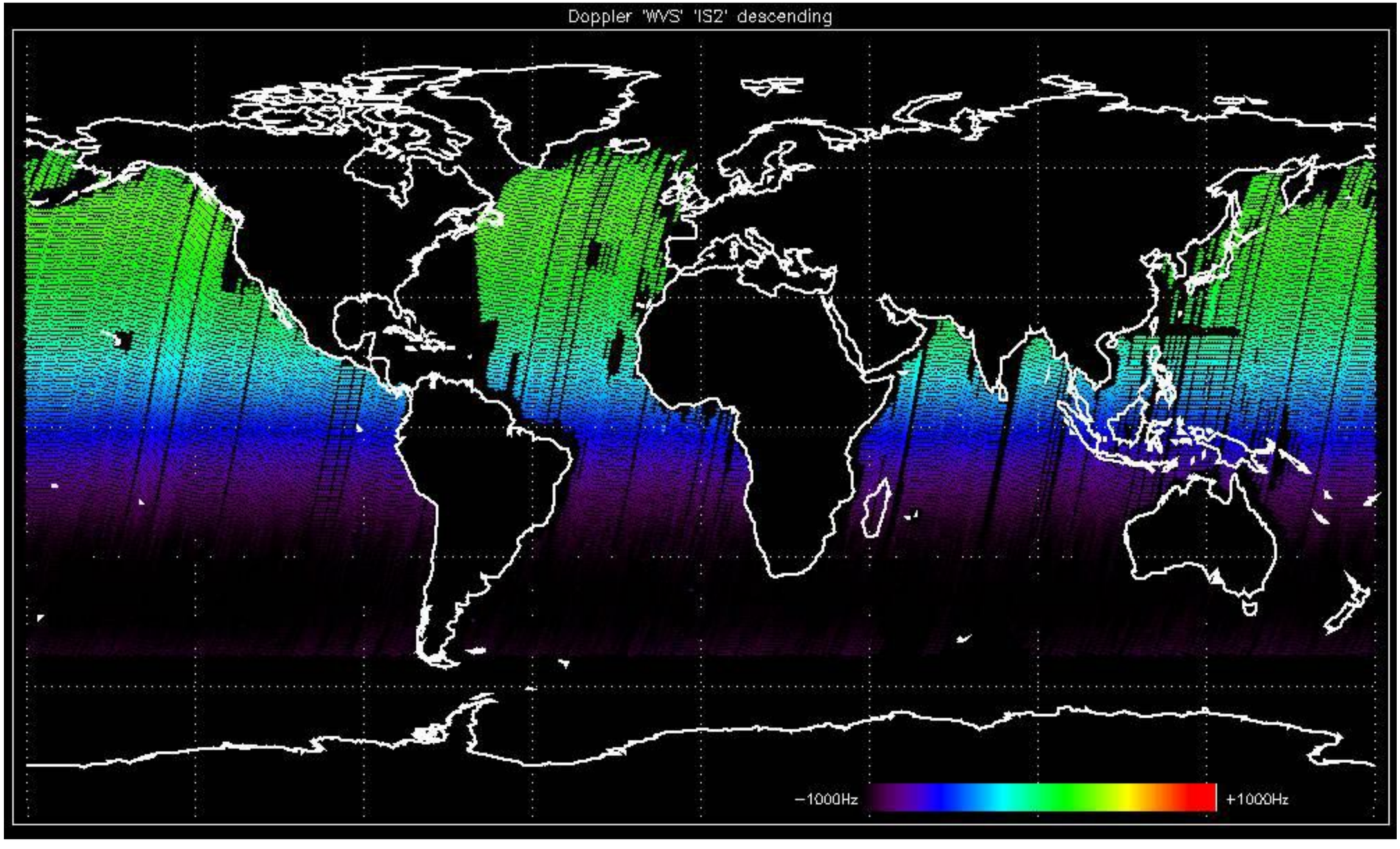
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

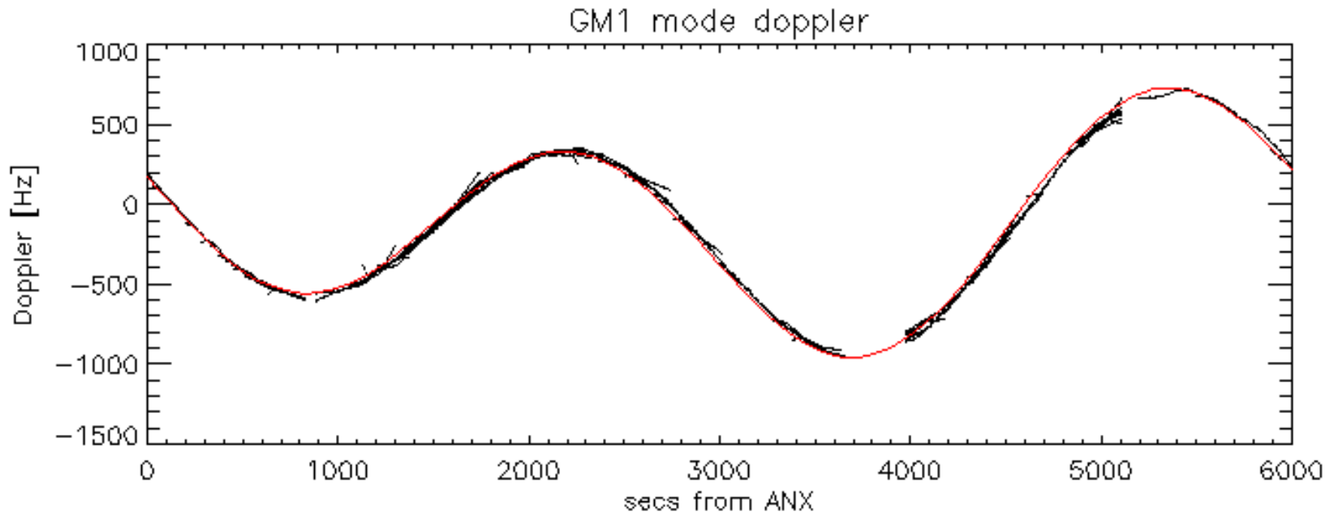
Preliminary report.The data is not yet controled

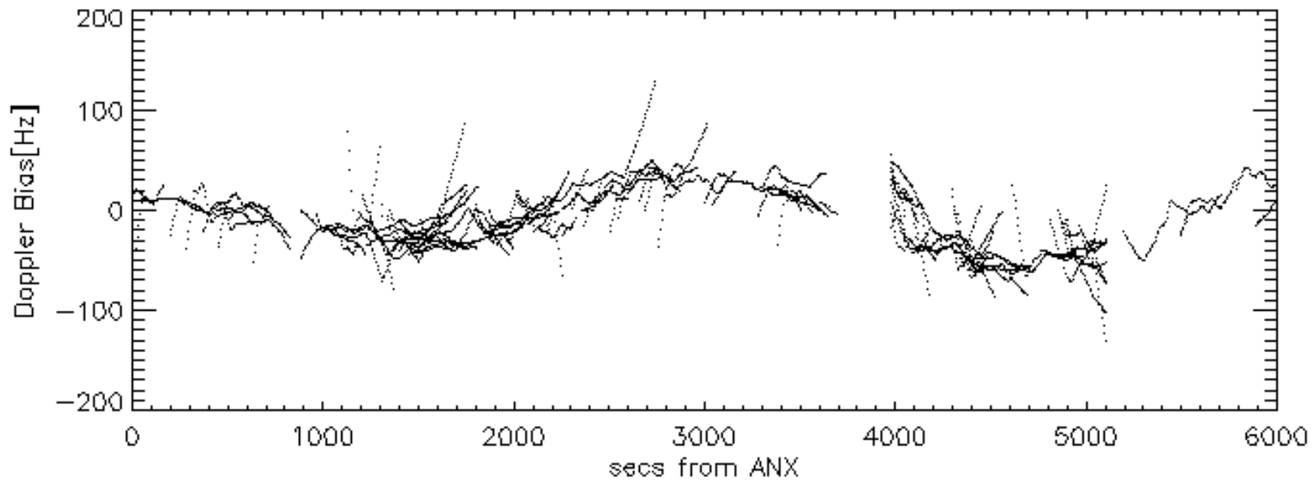

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

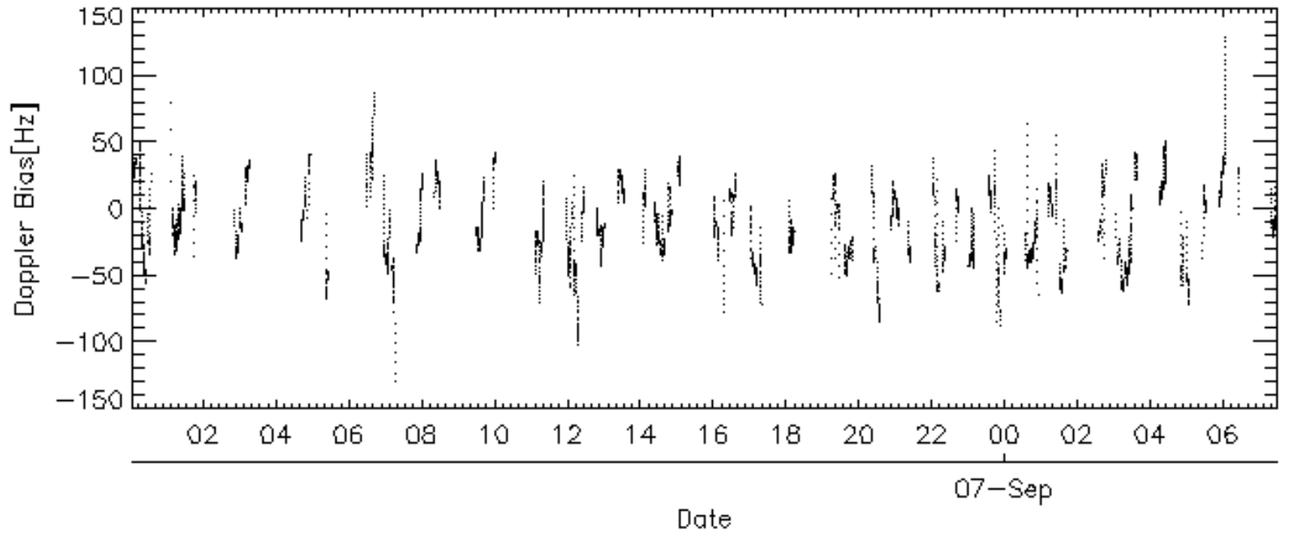

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

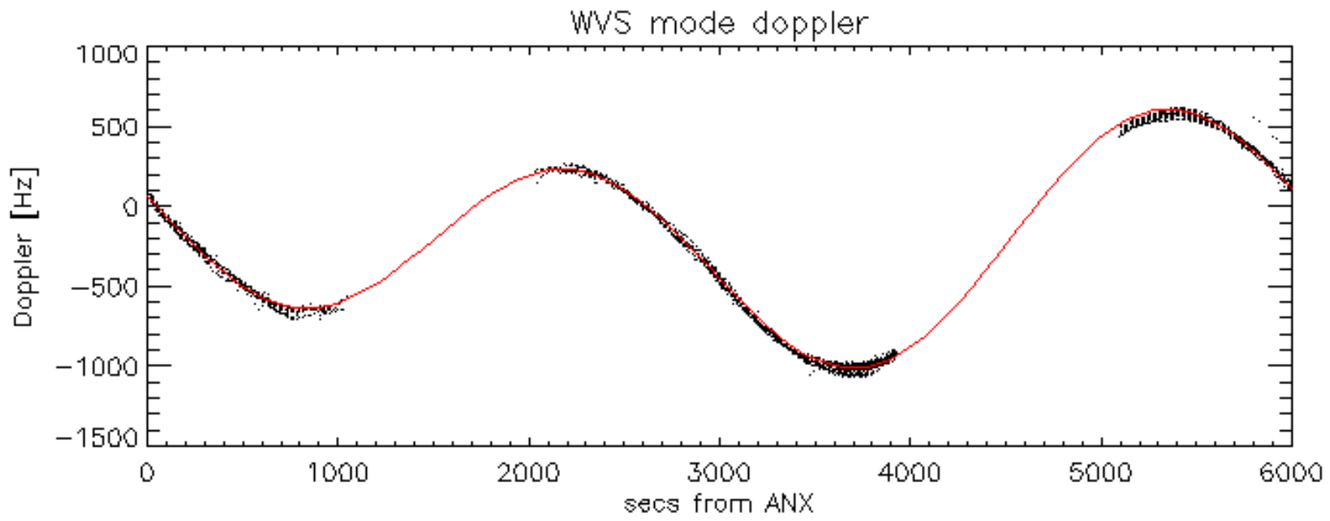

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

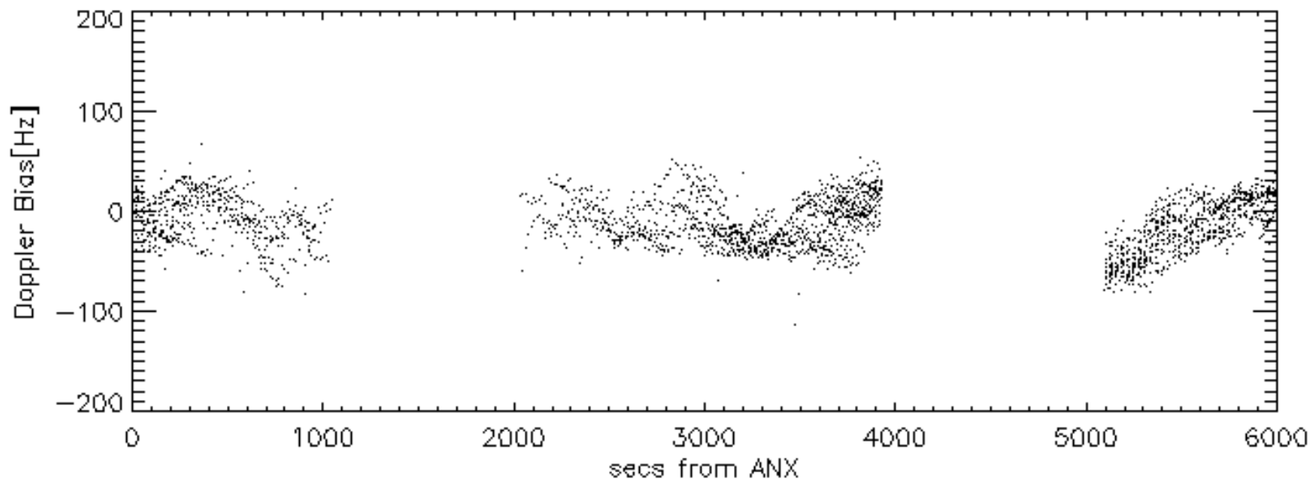

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

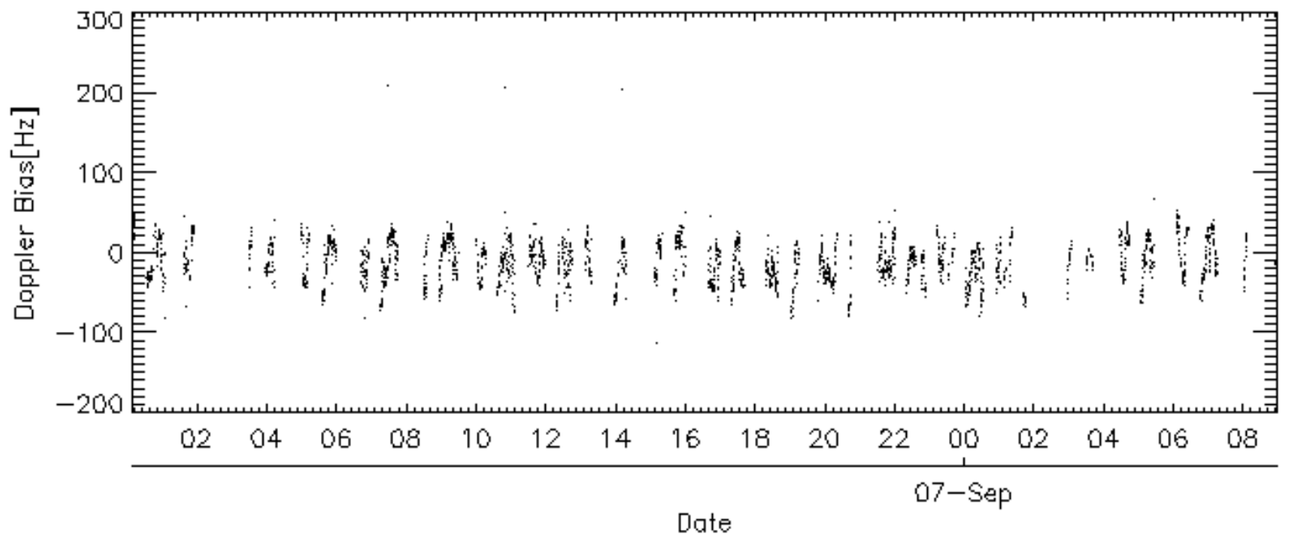

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

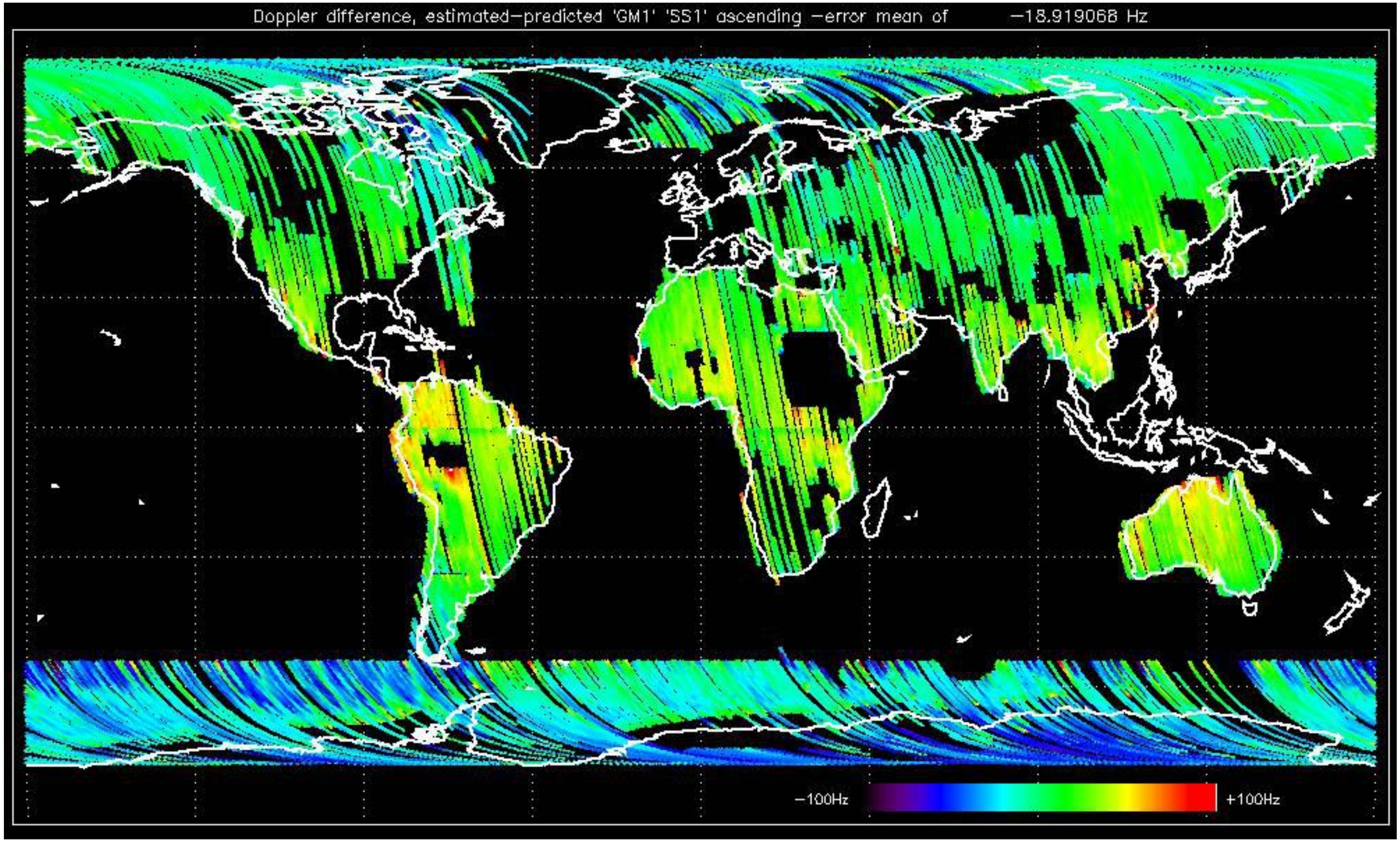

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

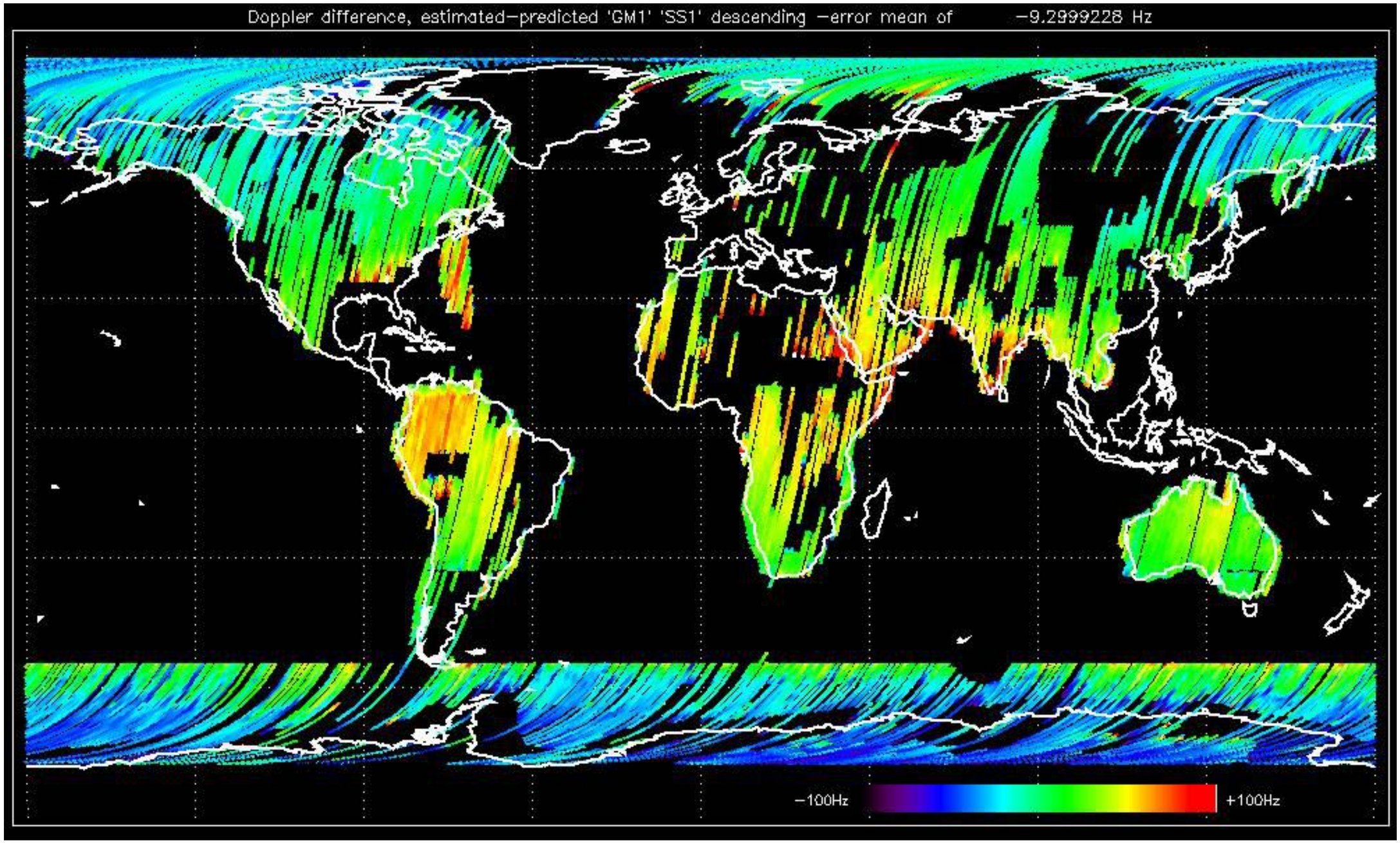

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
07−Sep
Date

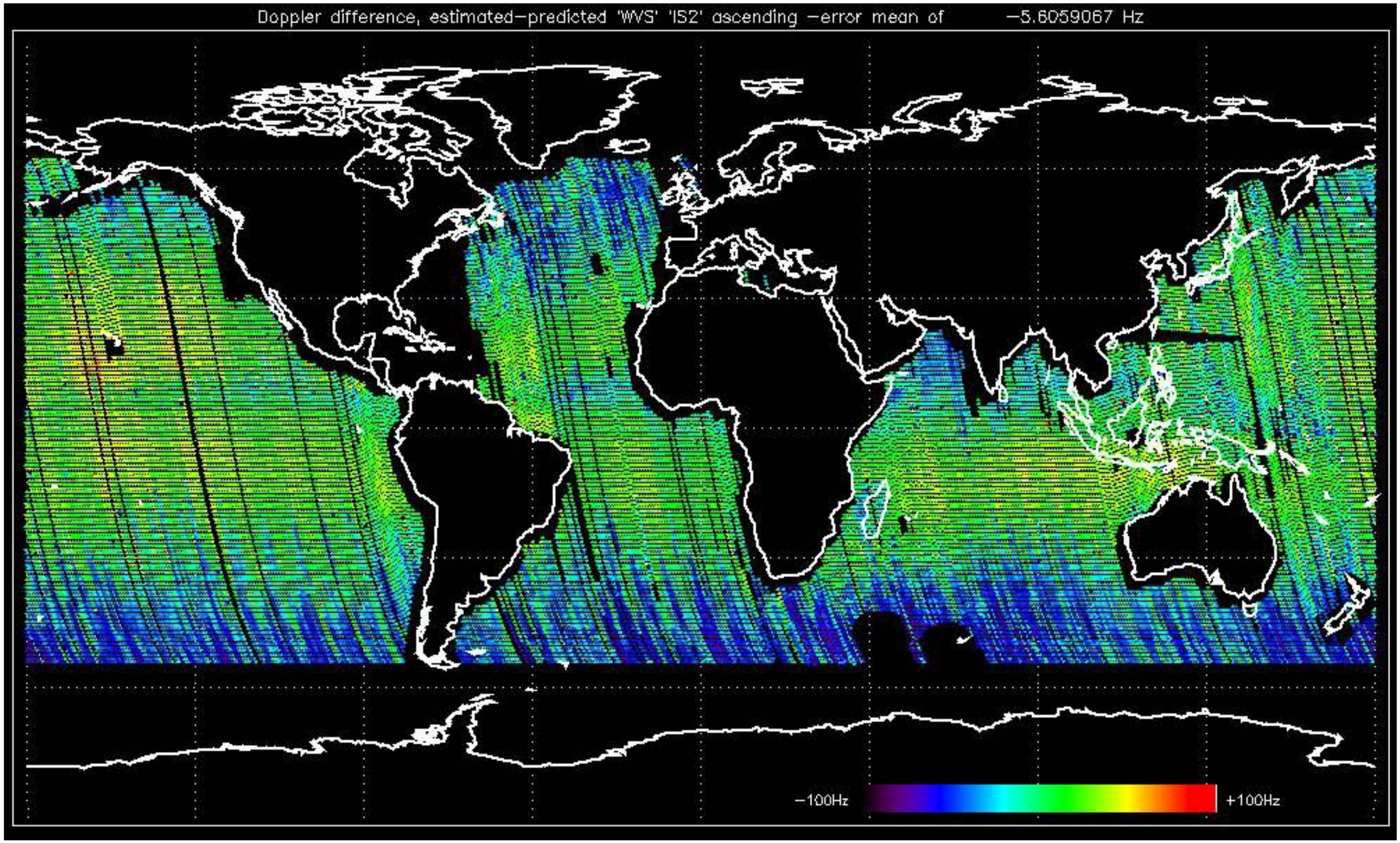

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

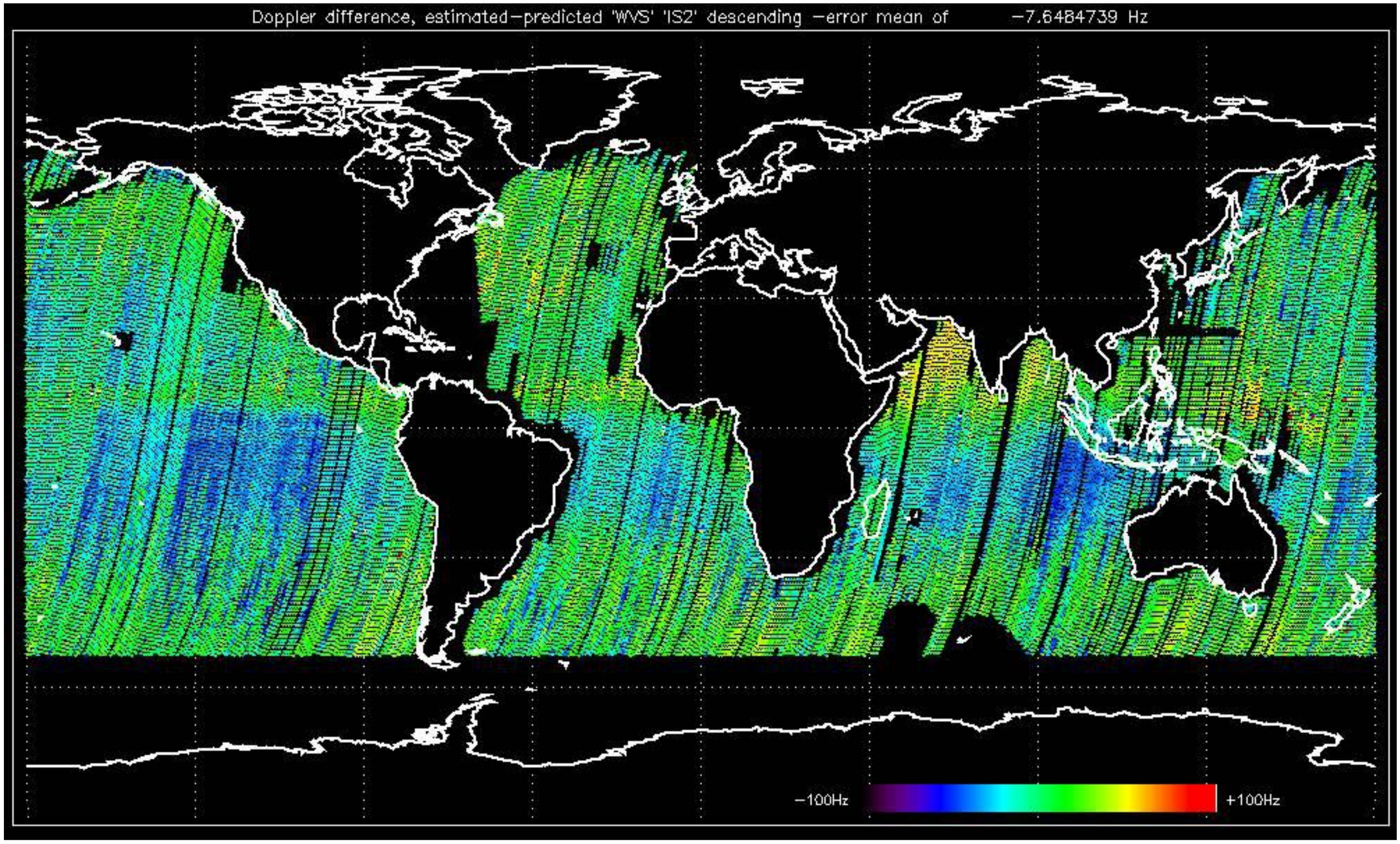

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.919068 Hz
−100Hz
+100Hz

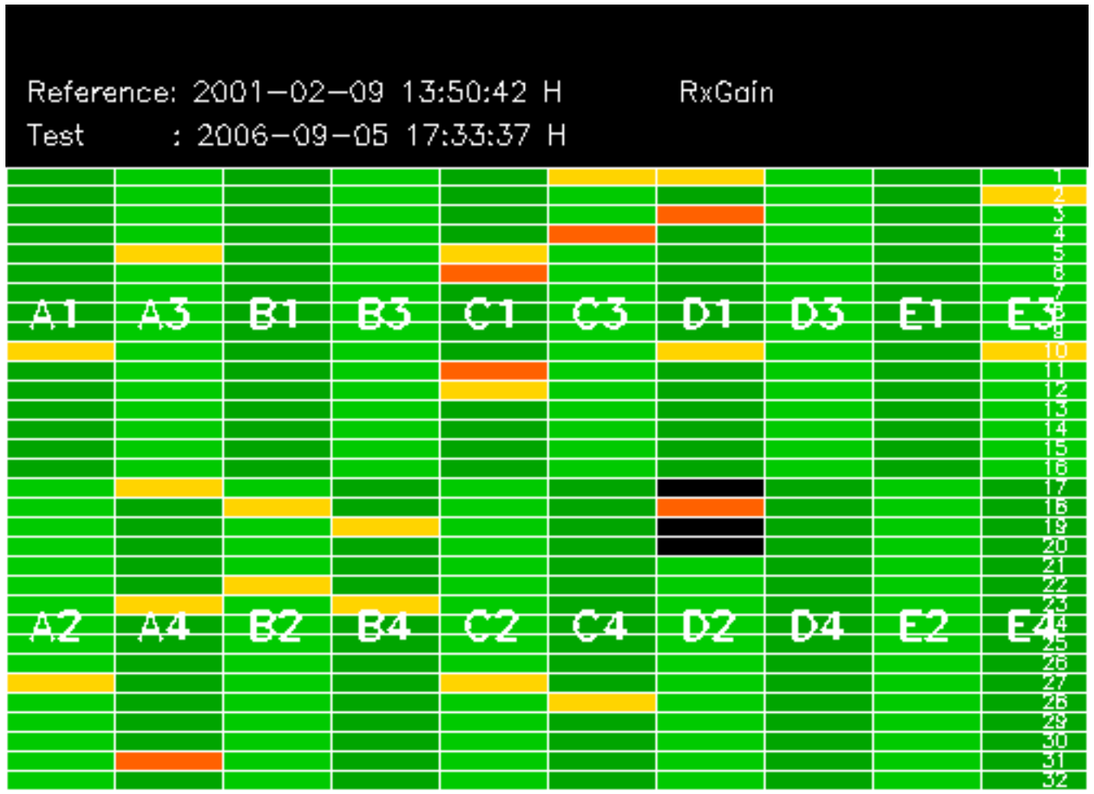

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −9.2999228 Hz
−100Hz
+100Hz

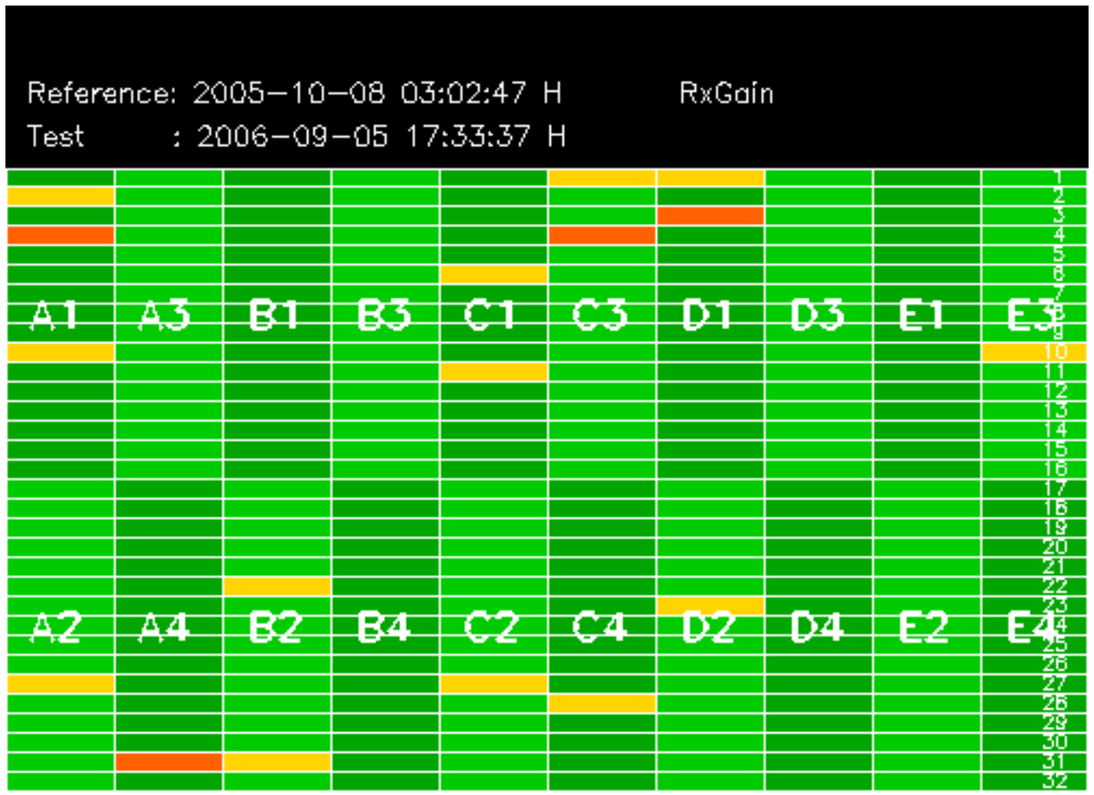

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −5.6059067 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −7.6484739 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-05 17:33:37 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 : 2006-09-05 17:33:37 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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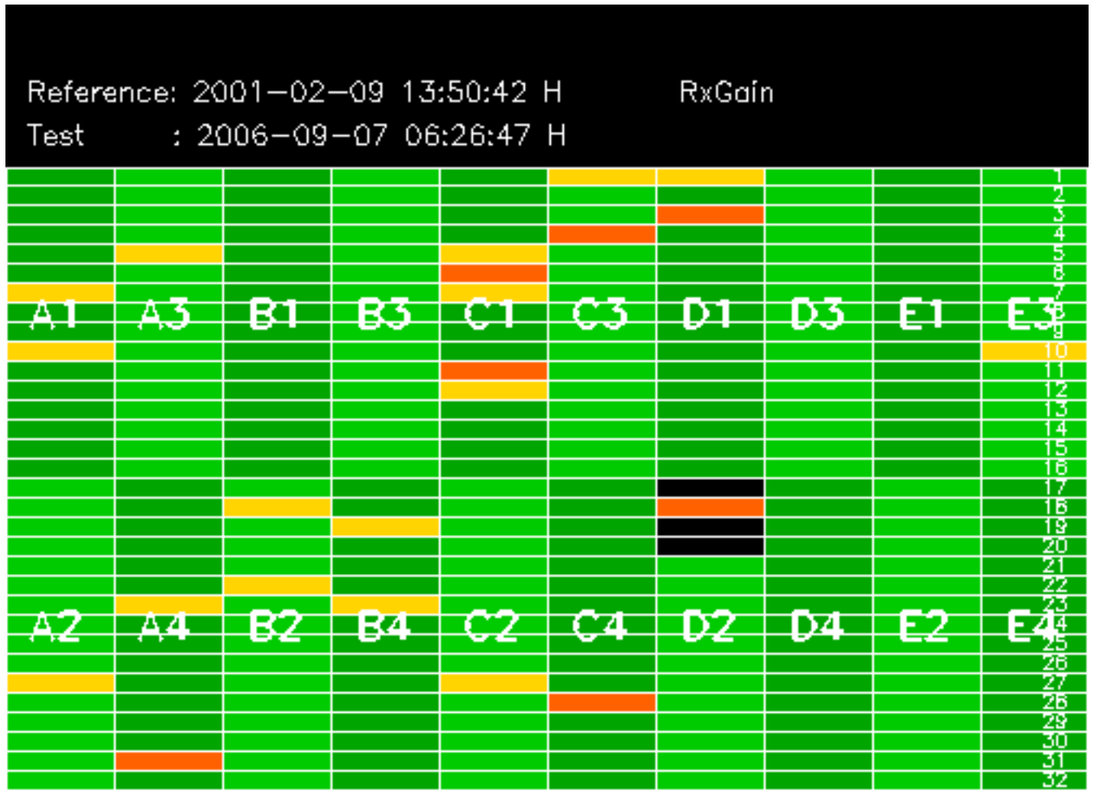
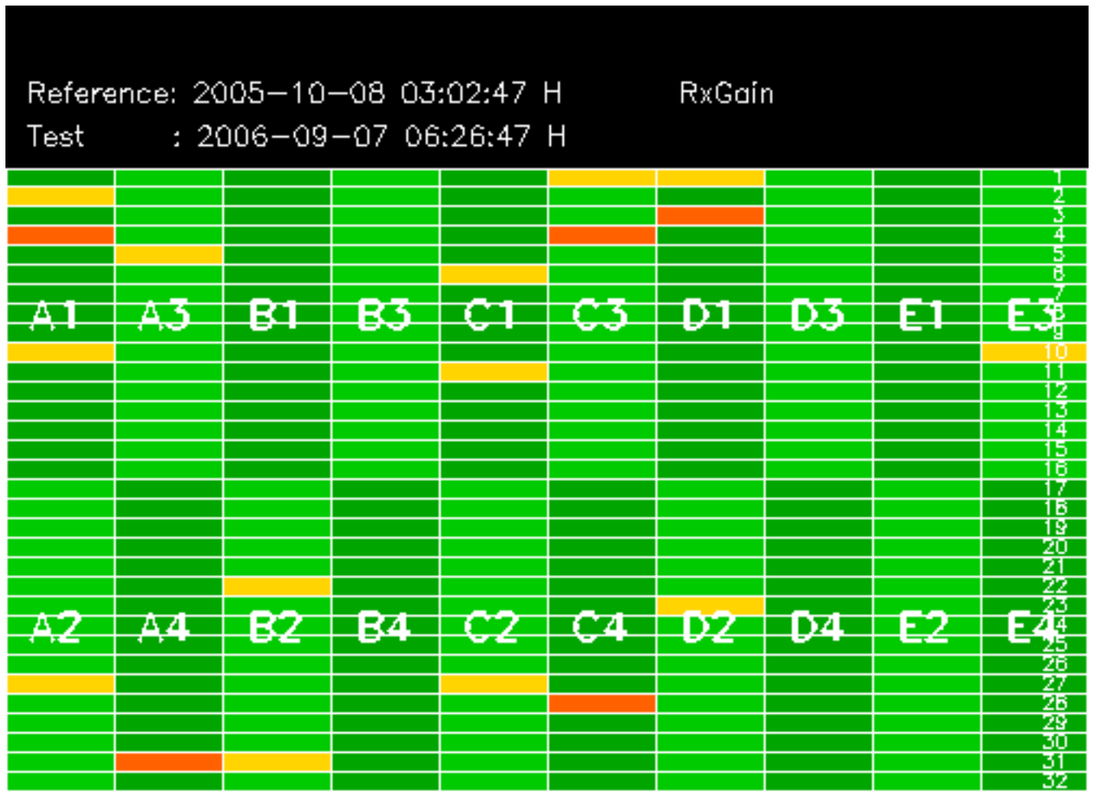

Reference: 2001-02-09 13:50:42 H
Test : 2006-09-07 06:26:47 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-09-07 06:26:47 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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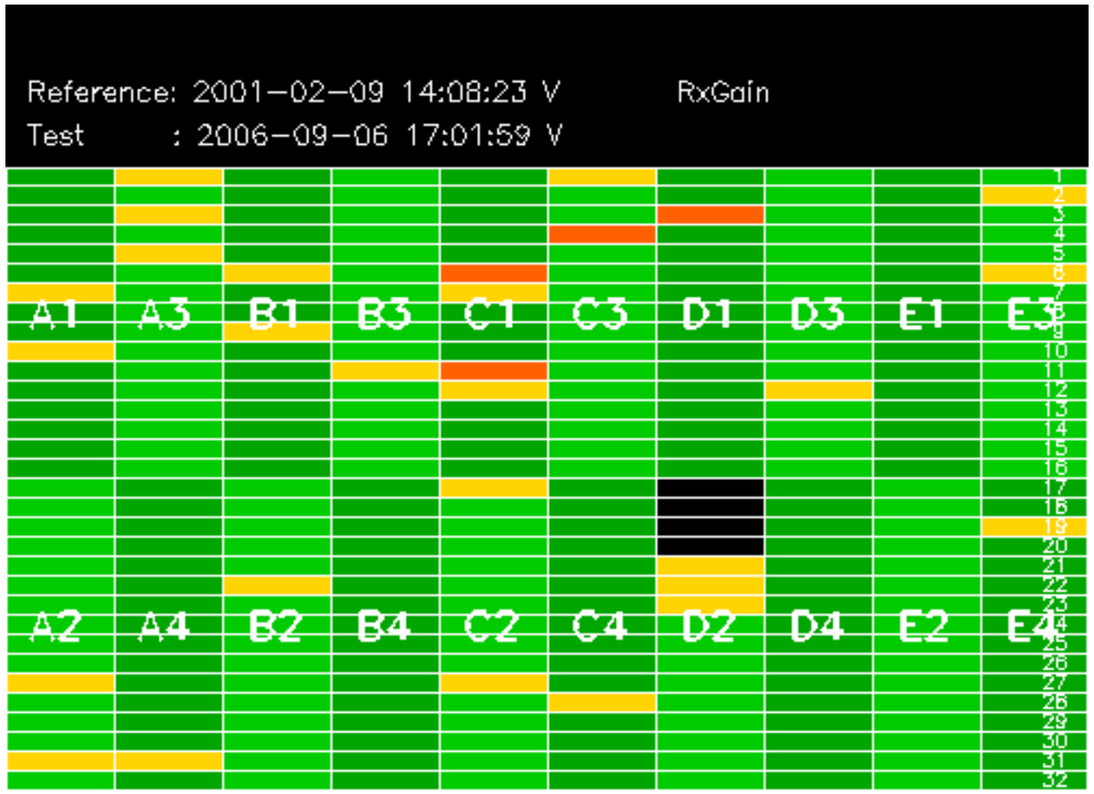
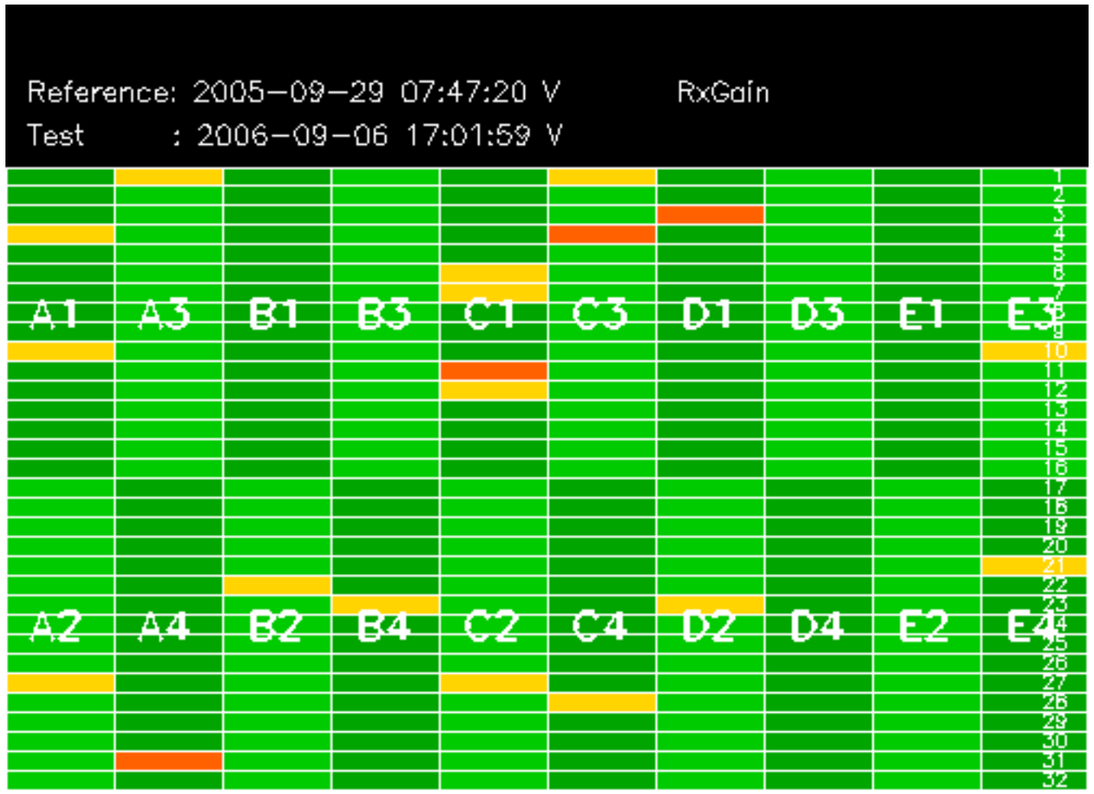

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-06 17:01:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-06 17:01:59 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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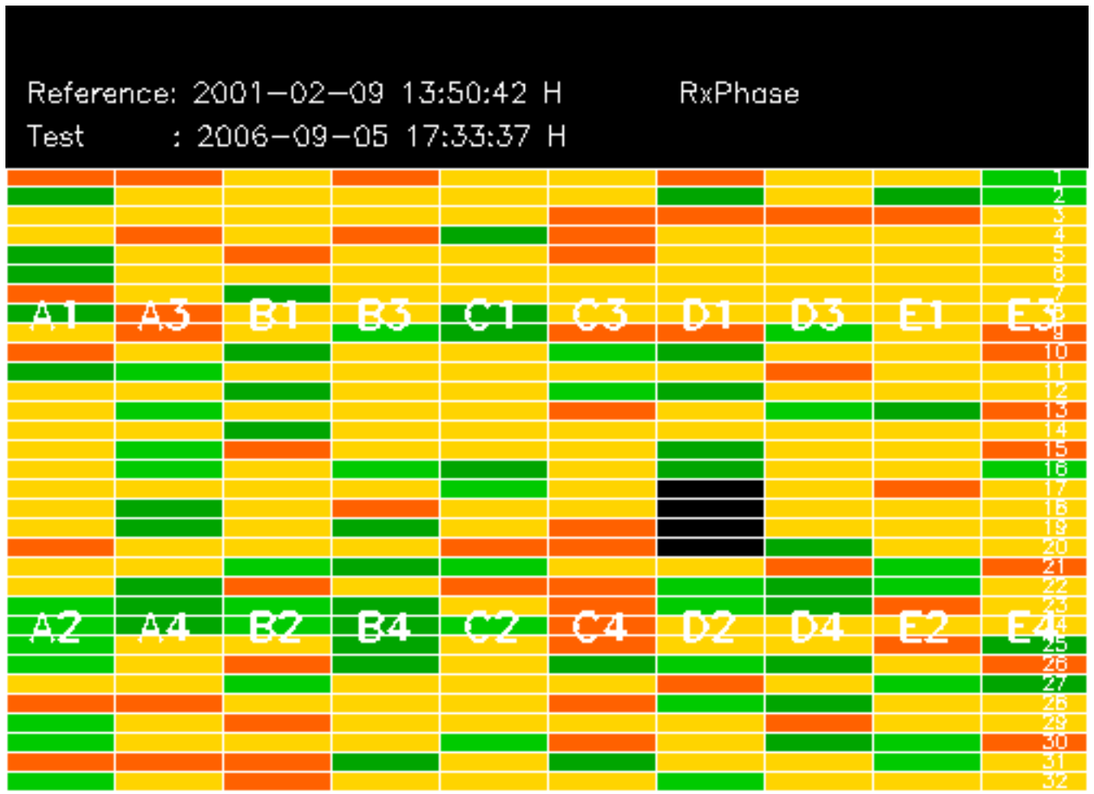
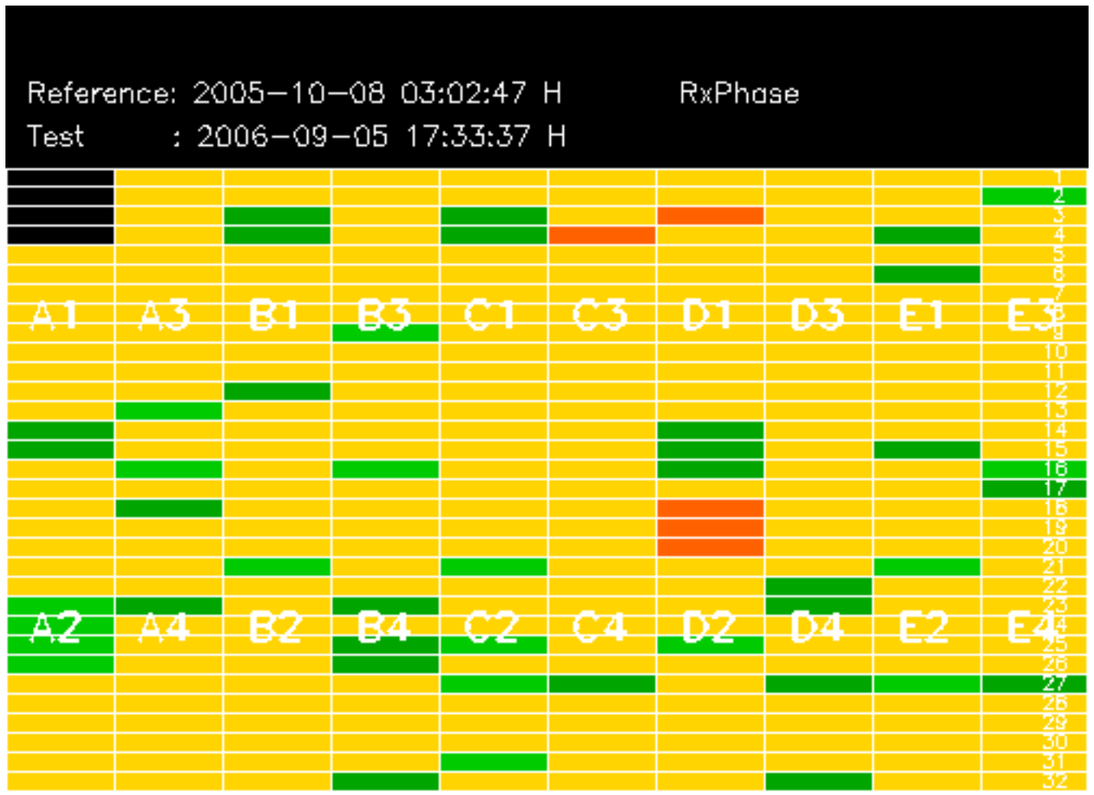
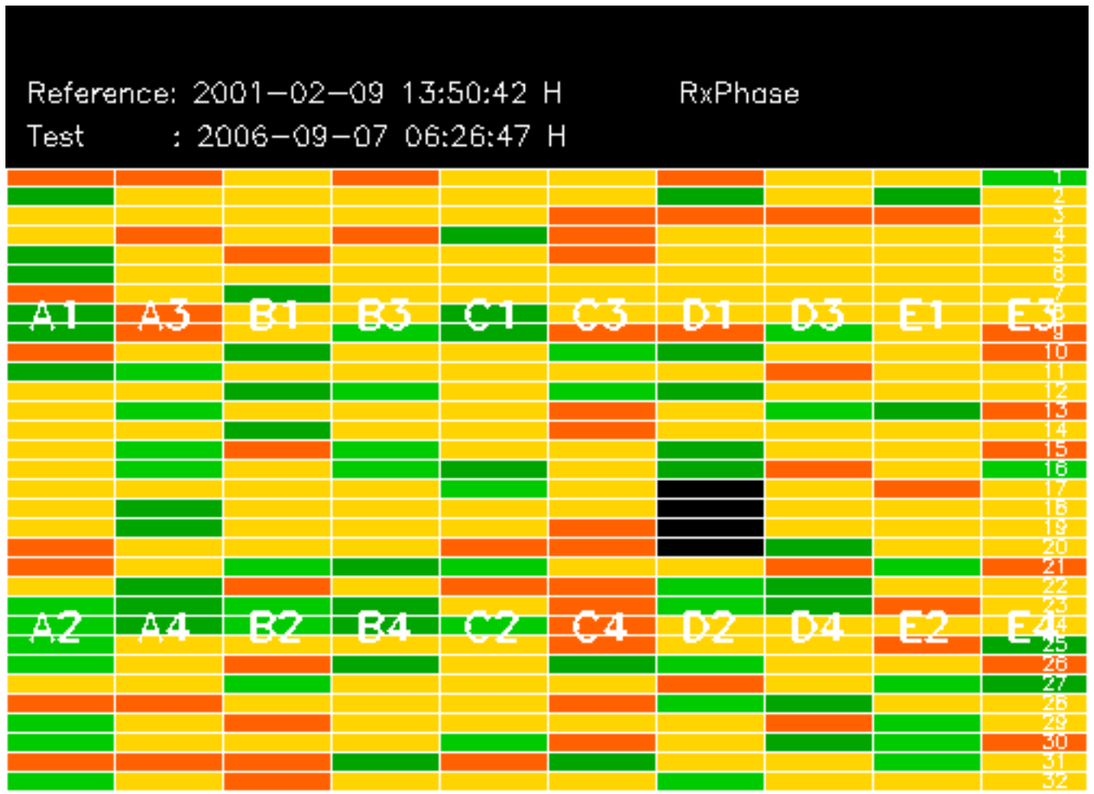
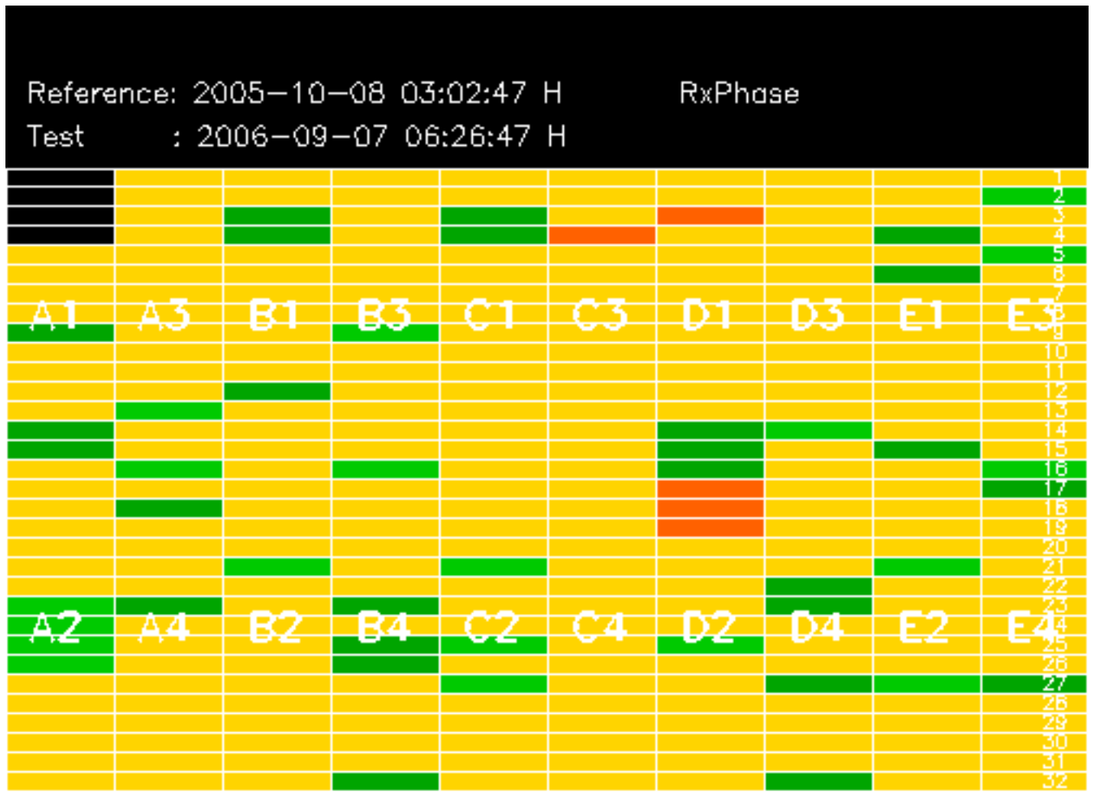
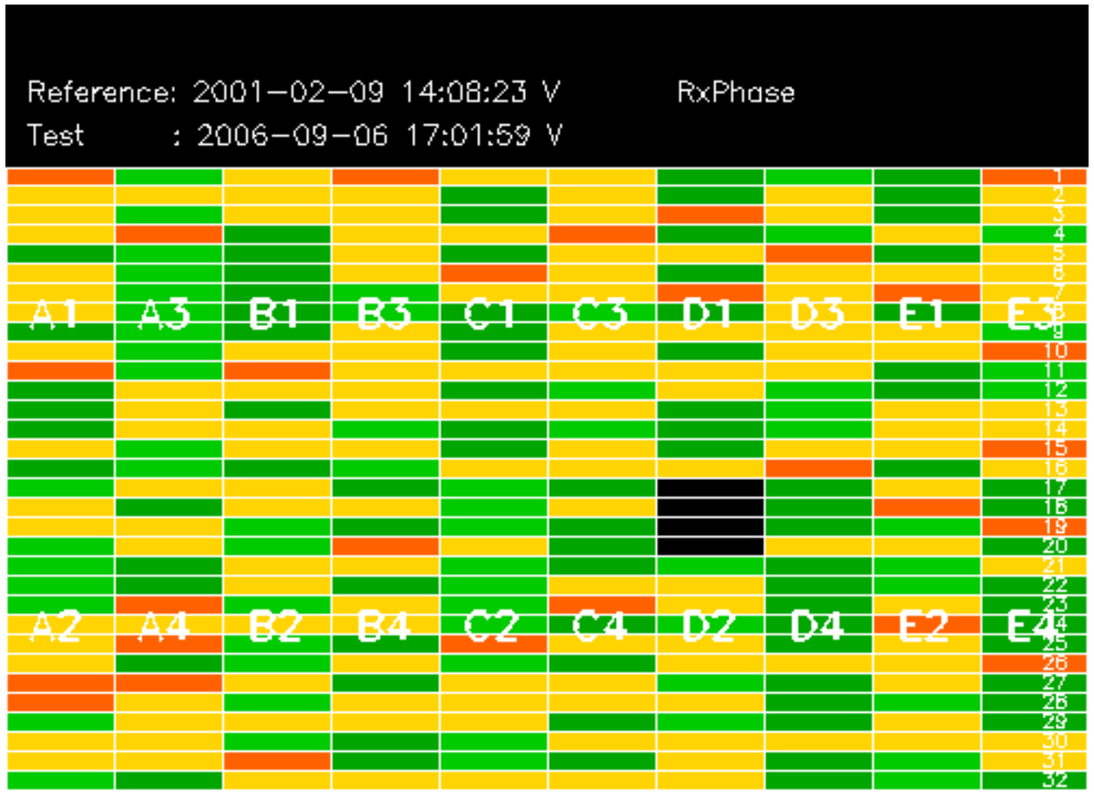

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-09-05 17:33:37 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-09-05 17:33:37 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 13:50:42 H
RxPhase
Test : 2006-09-07 06:26:47 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 : 2006-09-07 06:26:47 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
Test : 2006-09-06 17:01:59 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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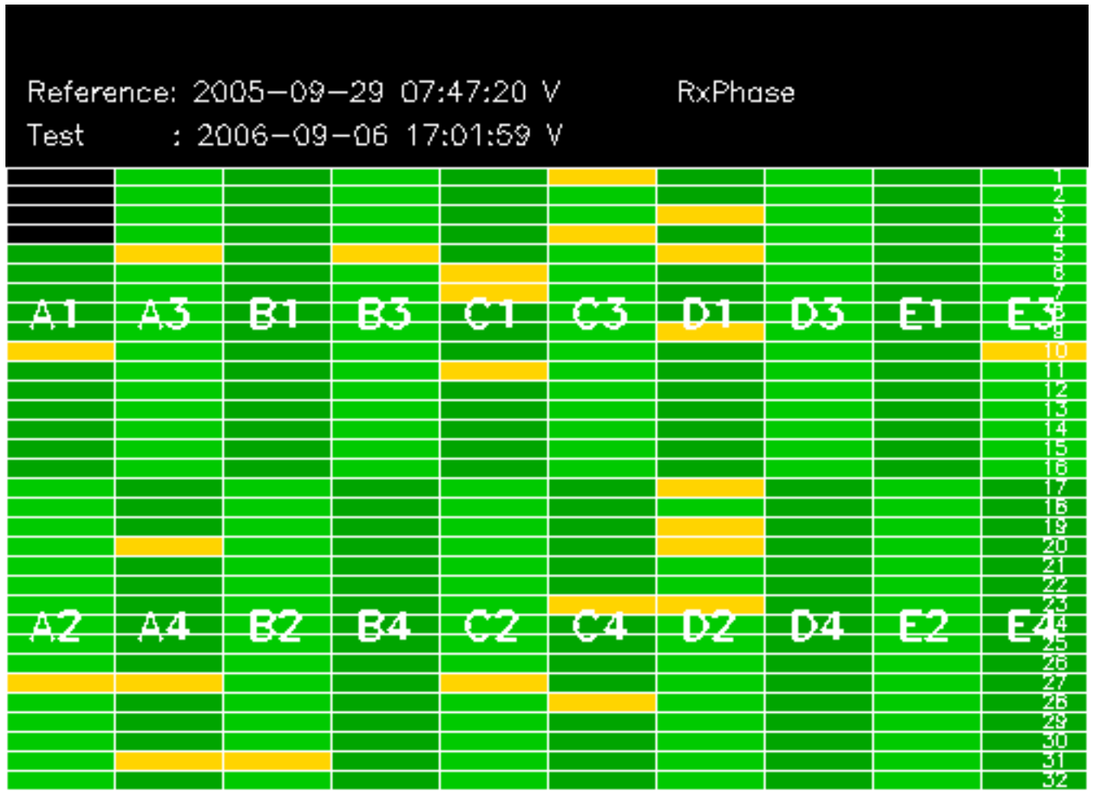
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-06 17:01:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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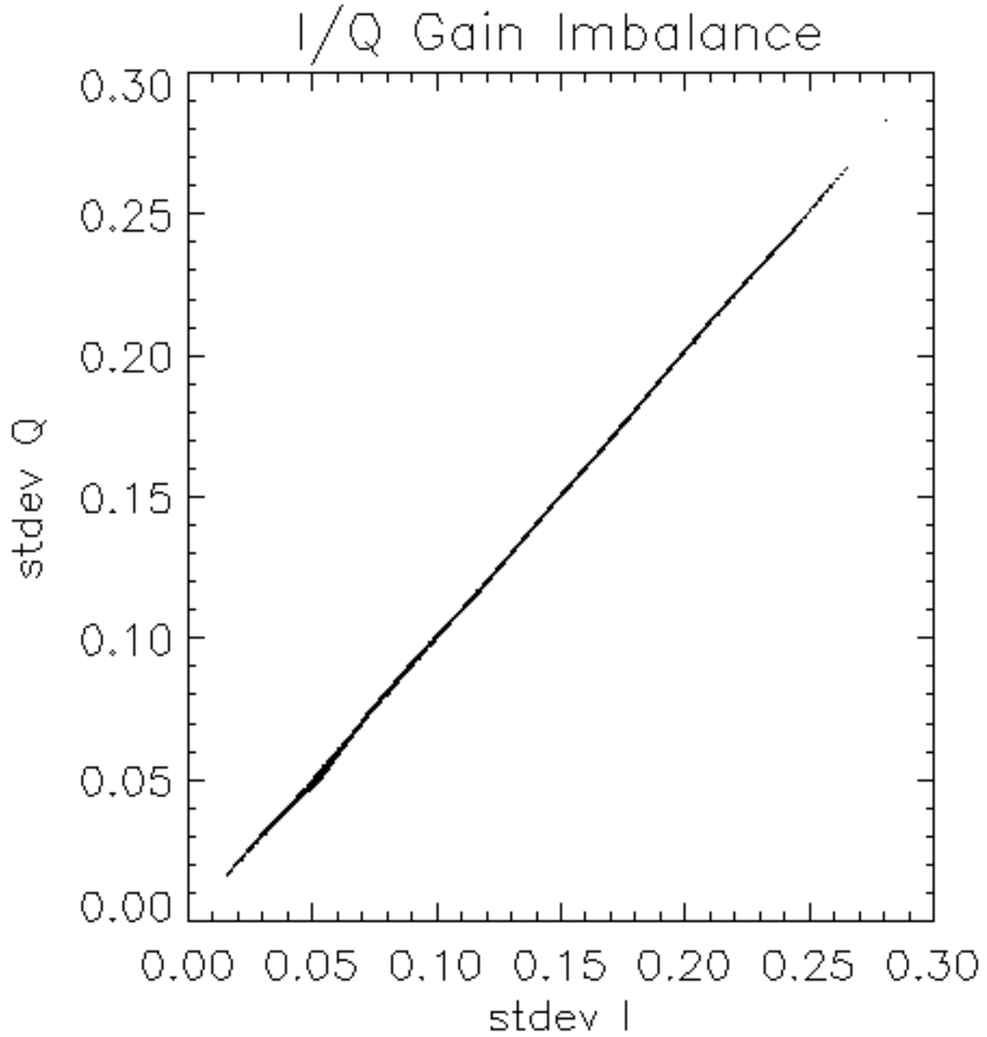
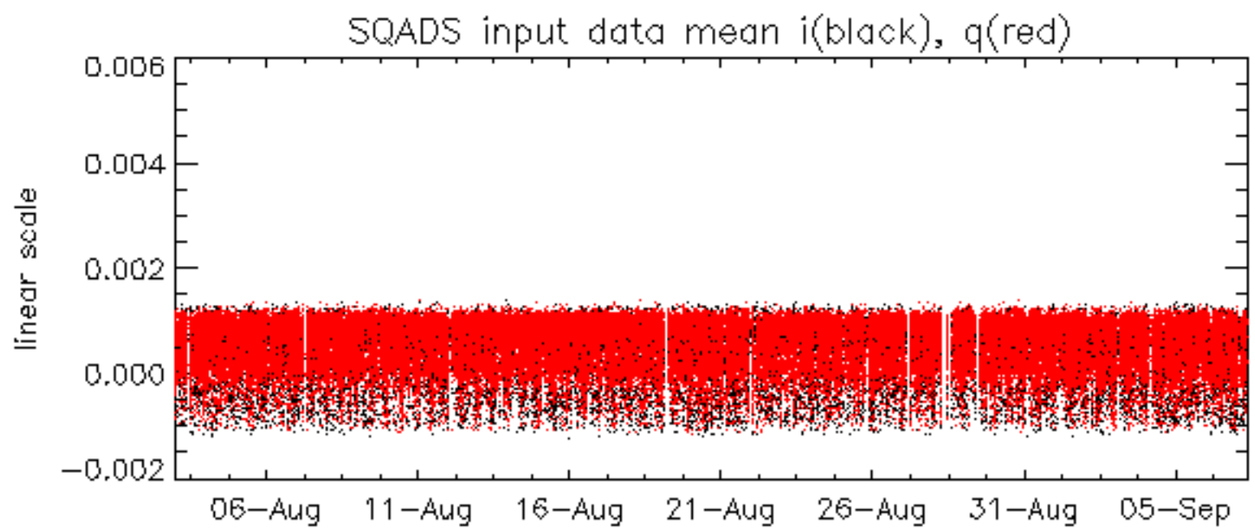
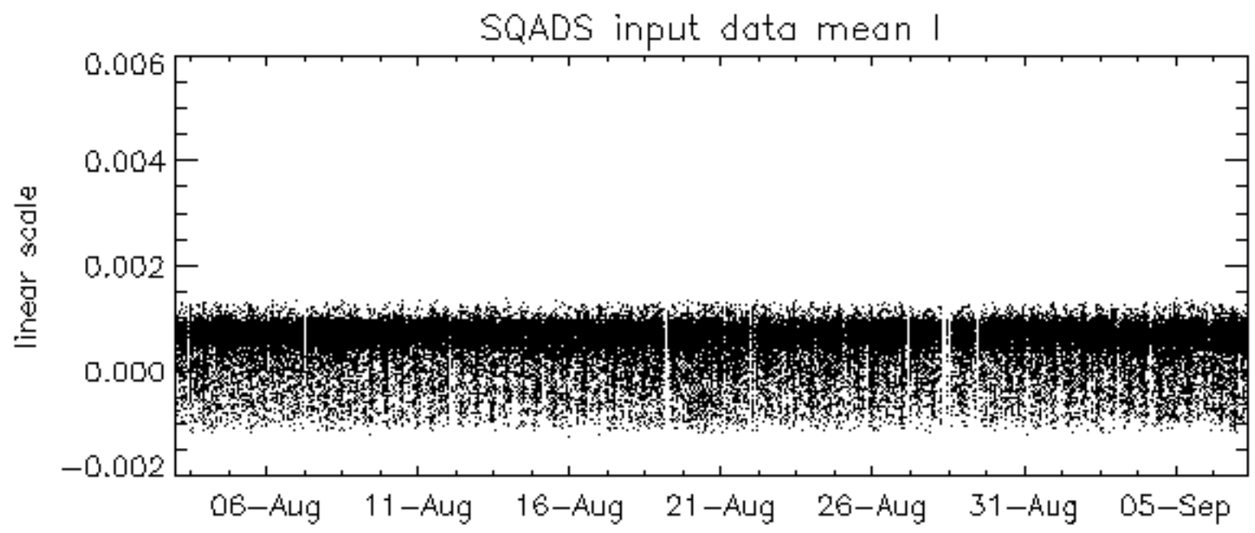
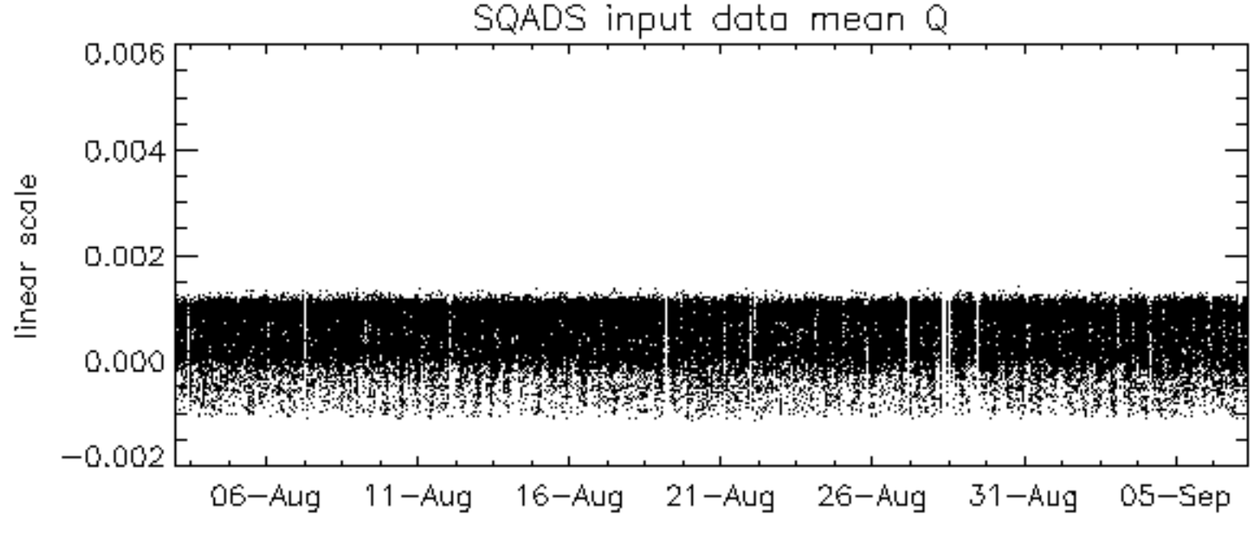
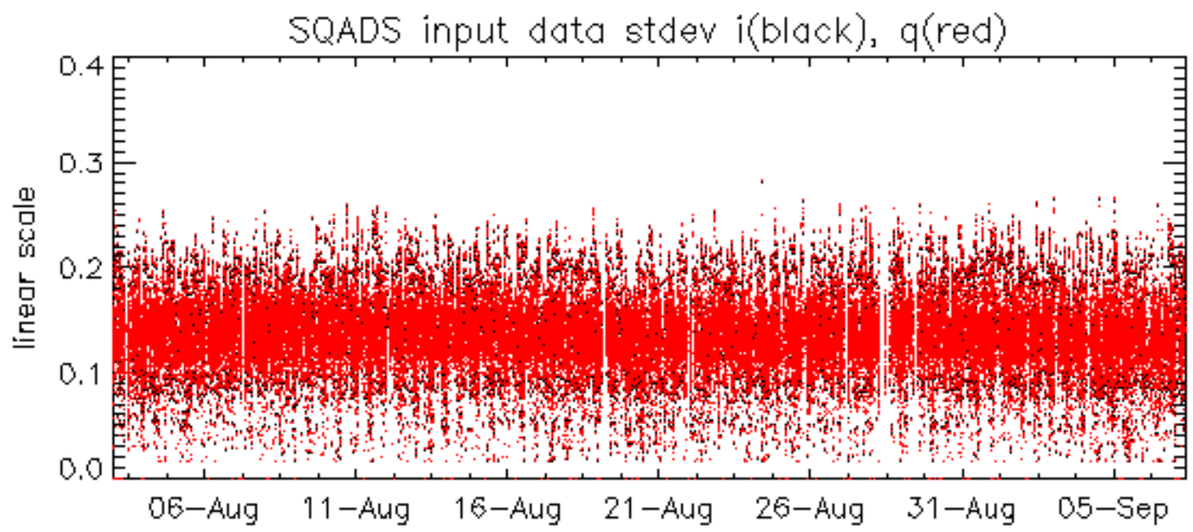
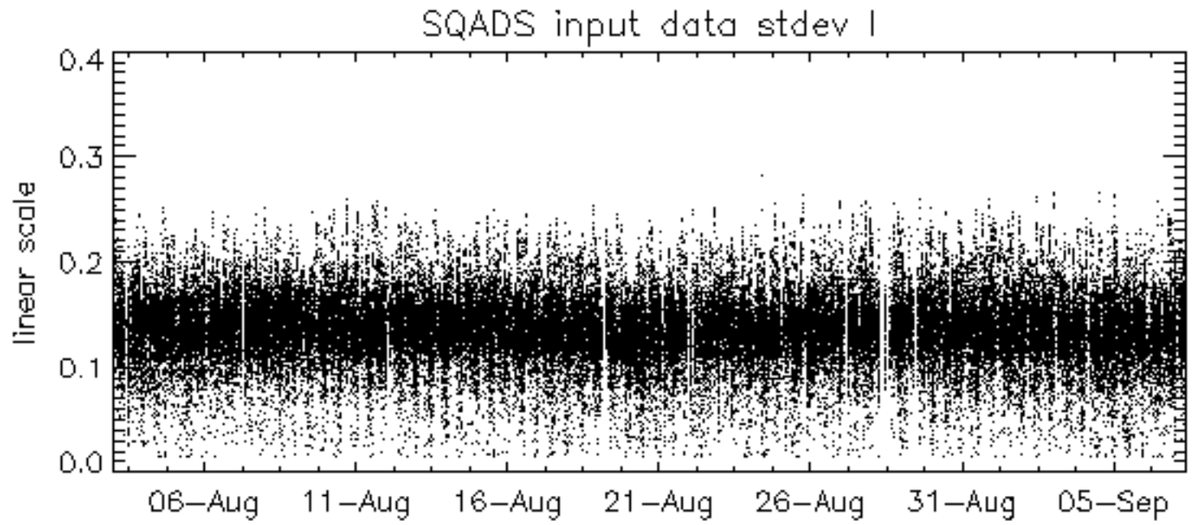

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

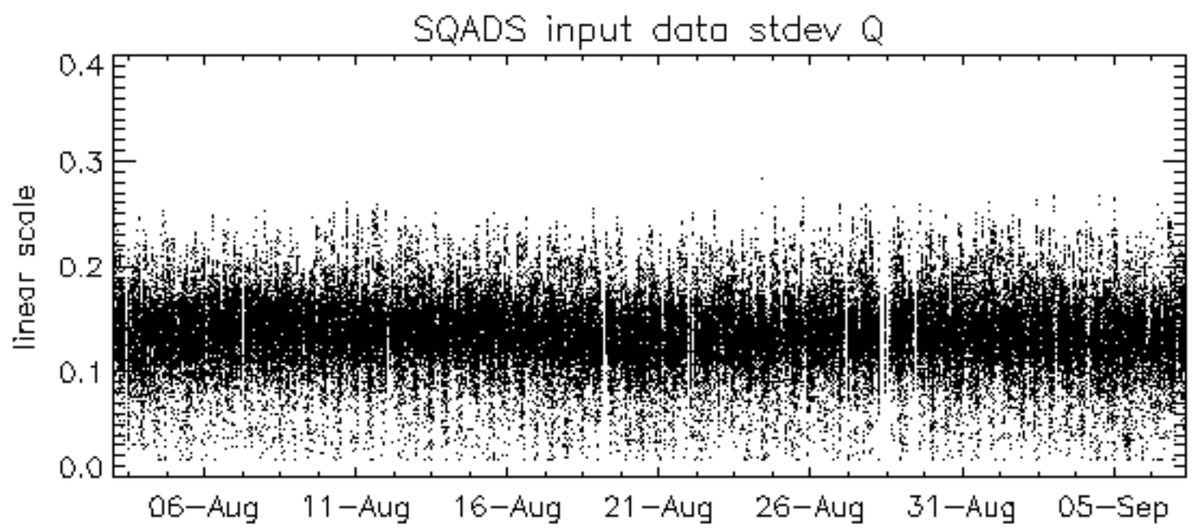

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep

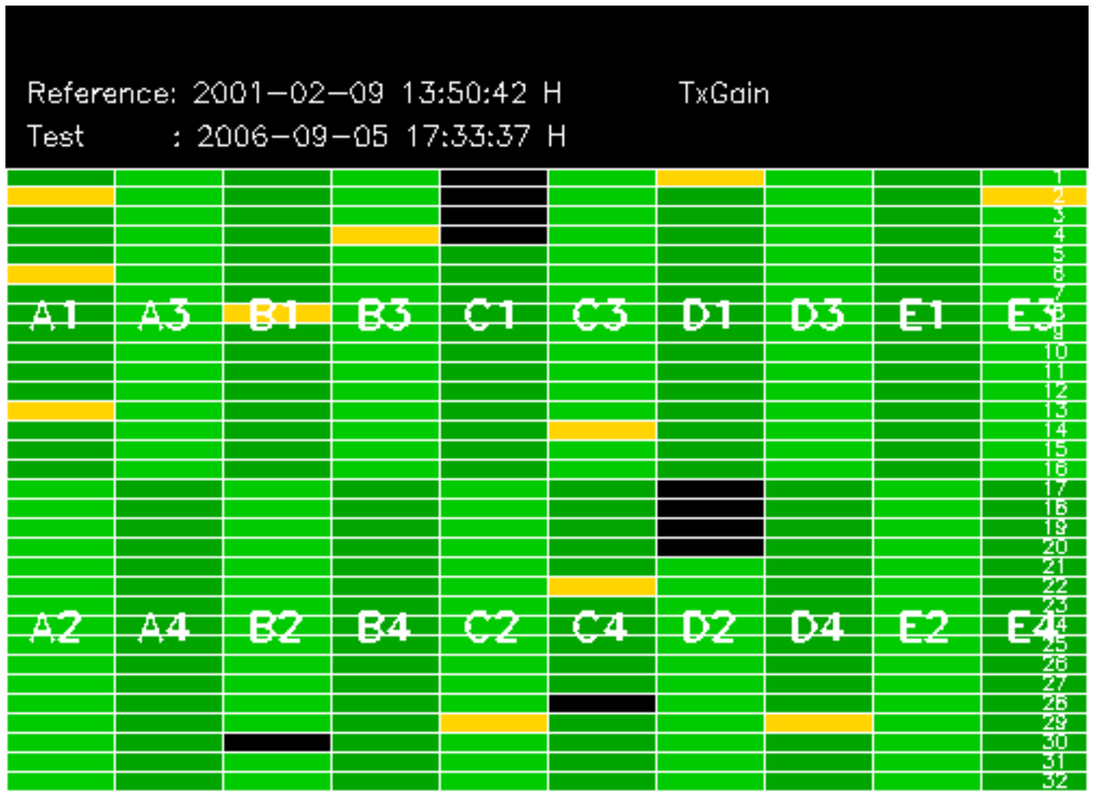

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep

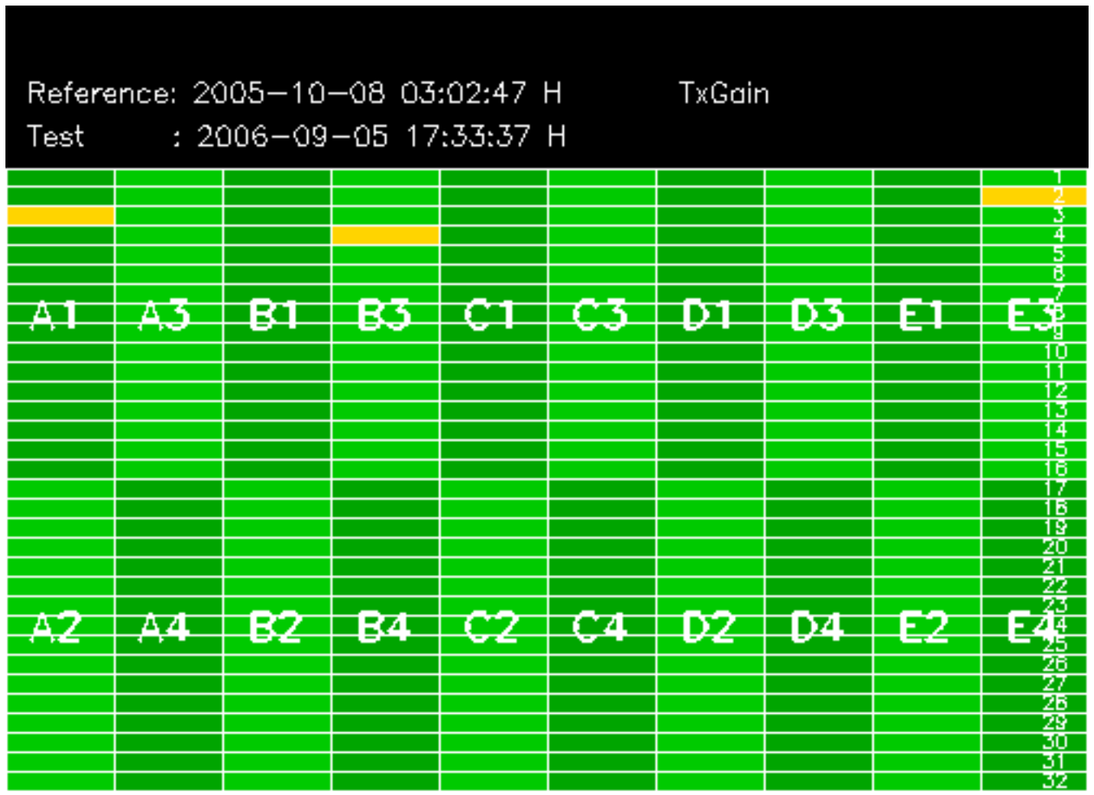

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06−Aug
11−Aug
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep


Reference: 2001-02-09 13:50:42 H
Test : 2006-09-05 17:33:37 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 : 2006-09-05 17:33:37 H
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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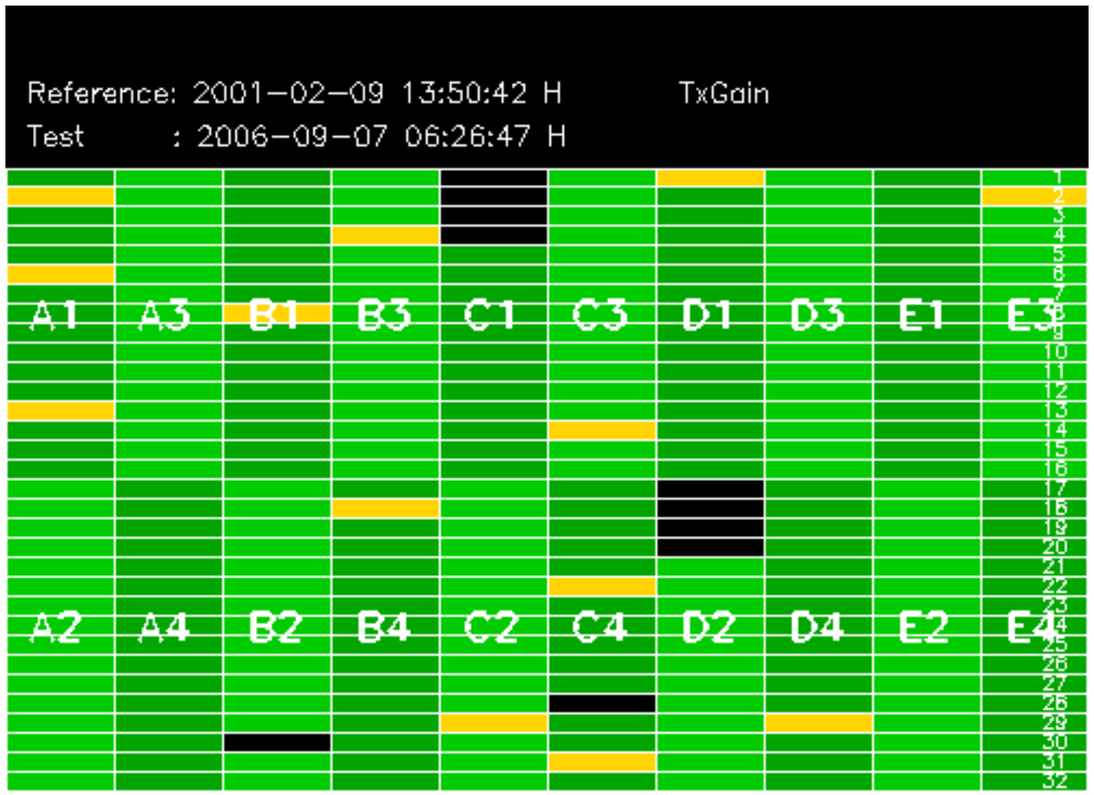
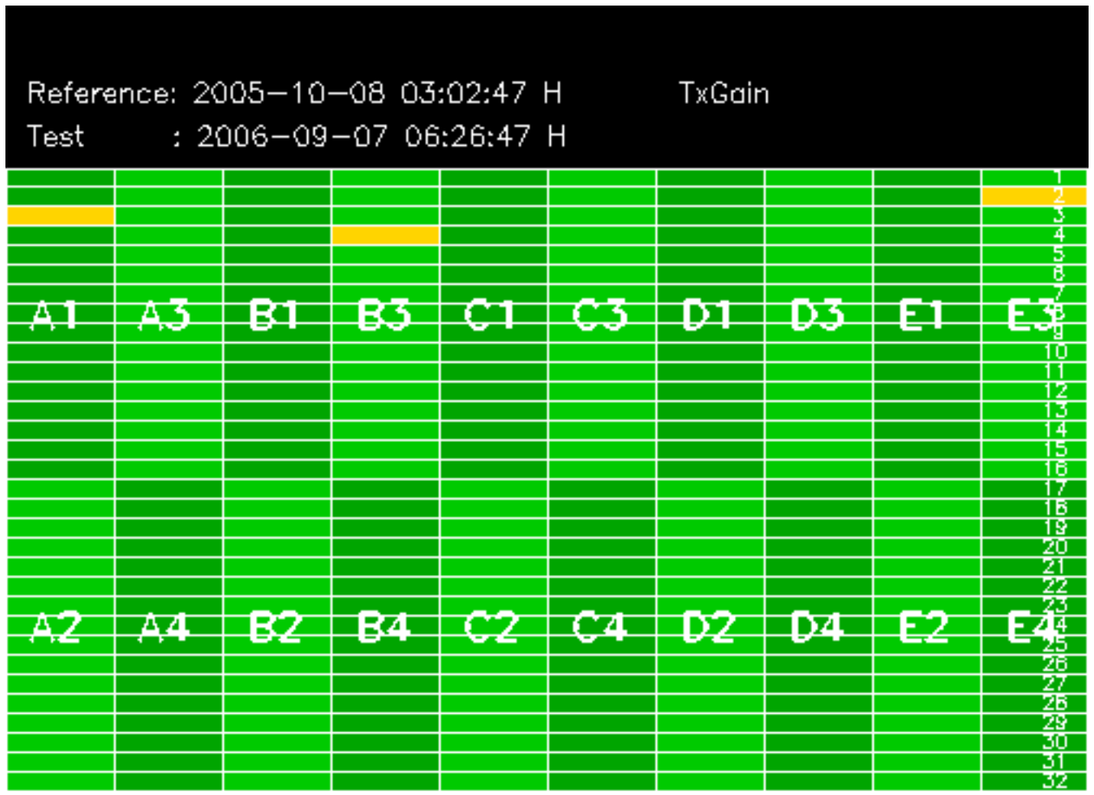

Reference: 2001-02-09 13:50:42 H
Test : 2006-09-07 06:26:47 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-09-07 06:26:47 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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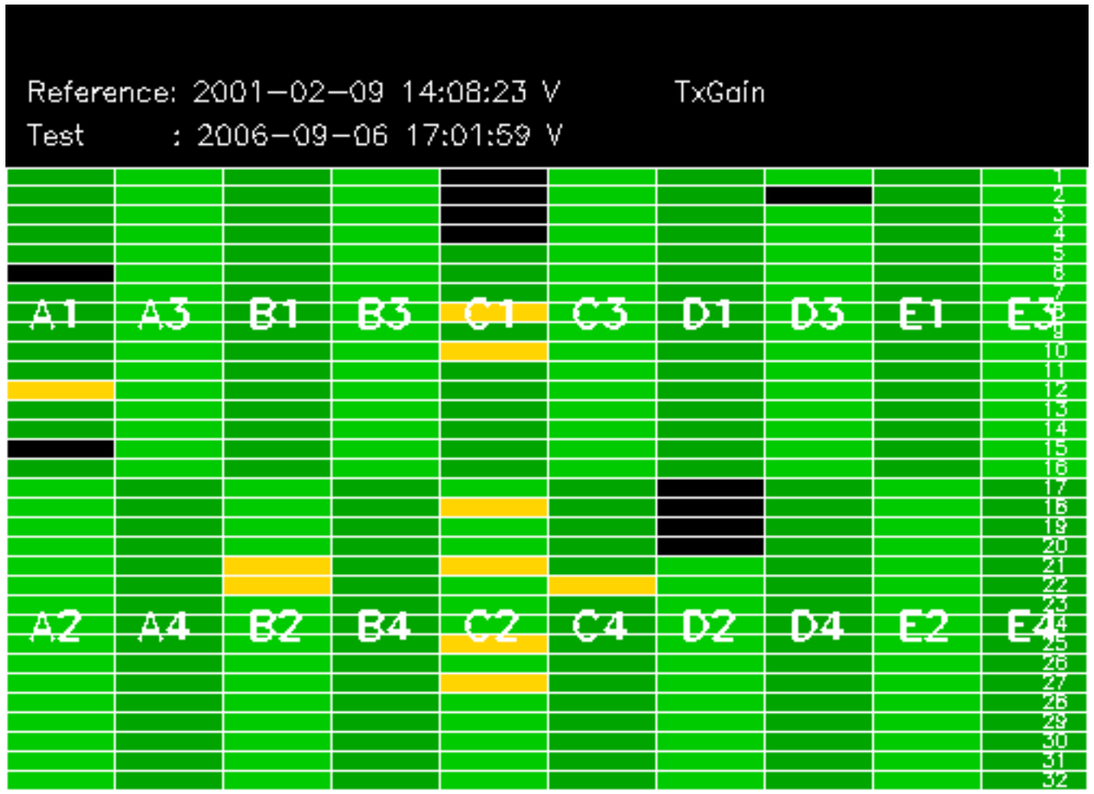
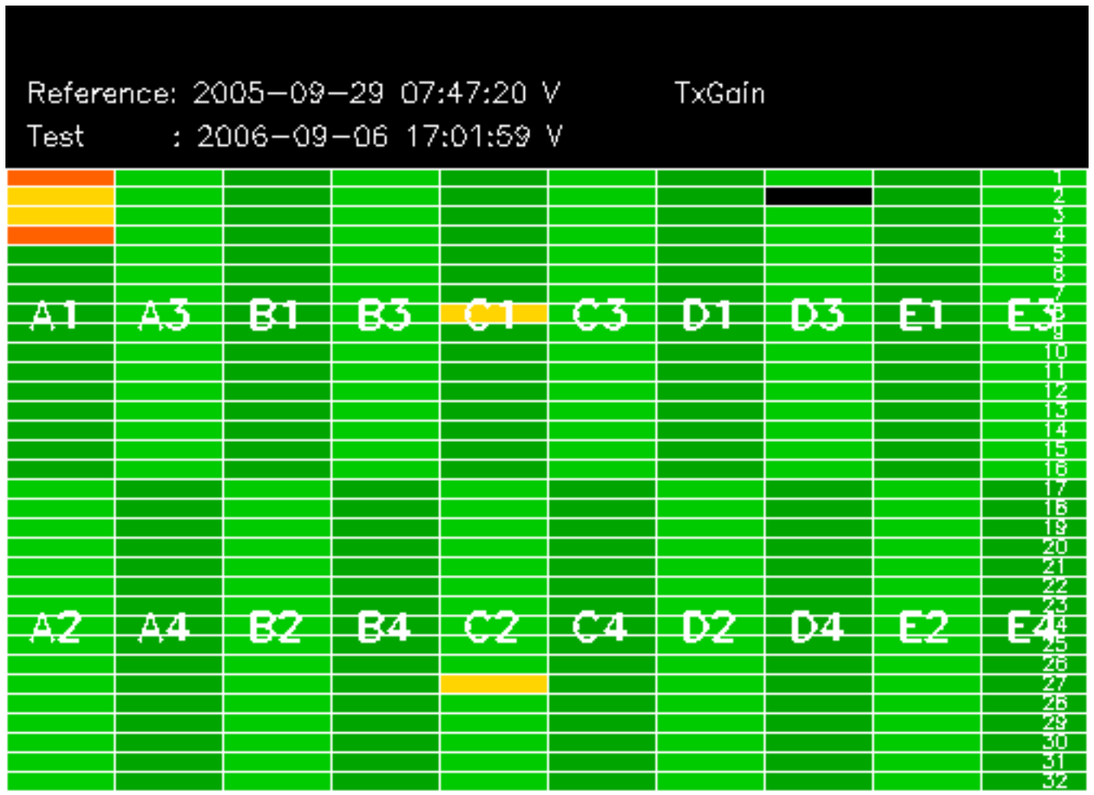

Reference: 2001-02-09 14:08:23 V
Test : 2006-09-06 17:01:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-09-06 17:01:59 V
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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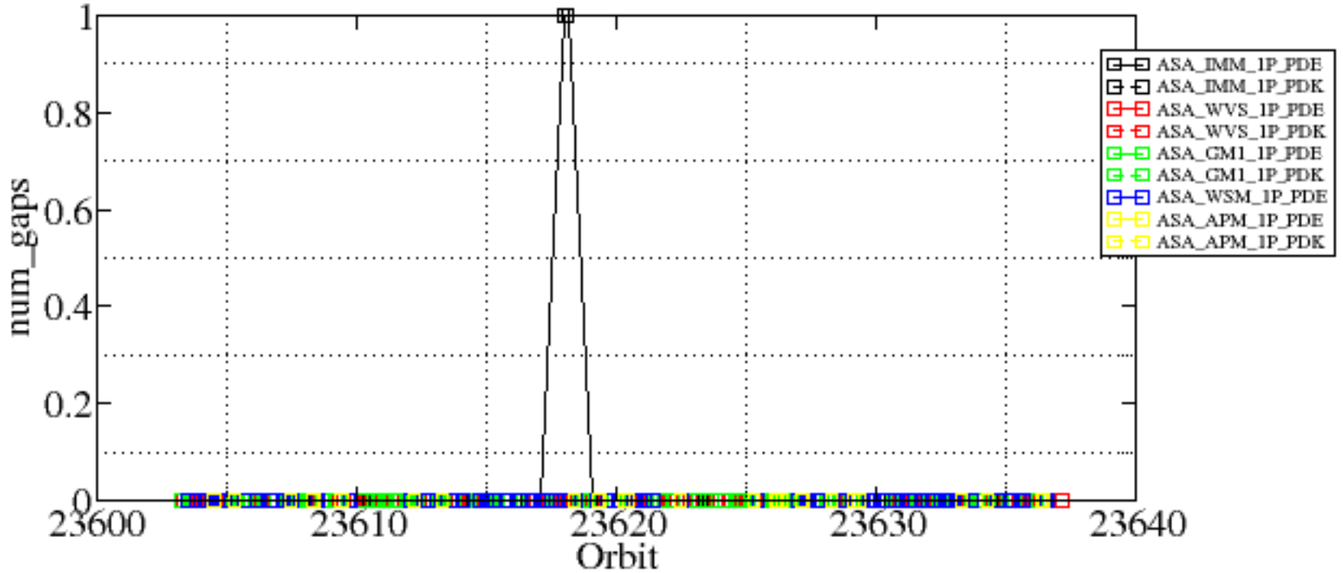
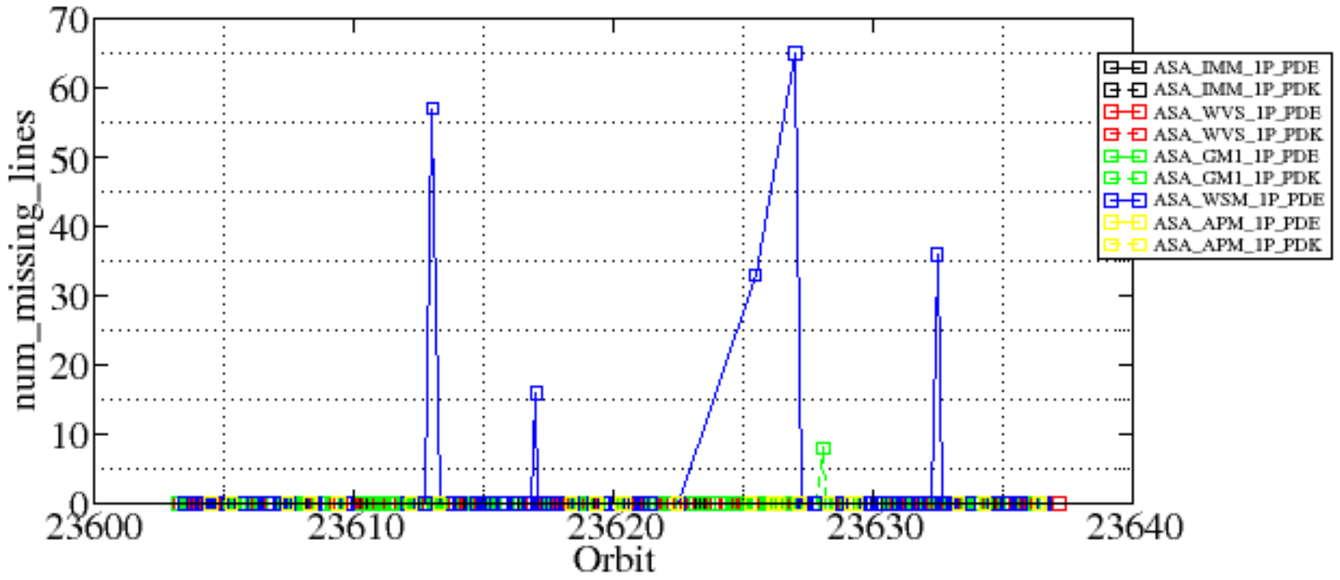
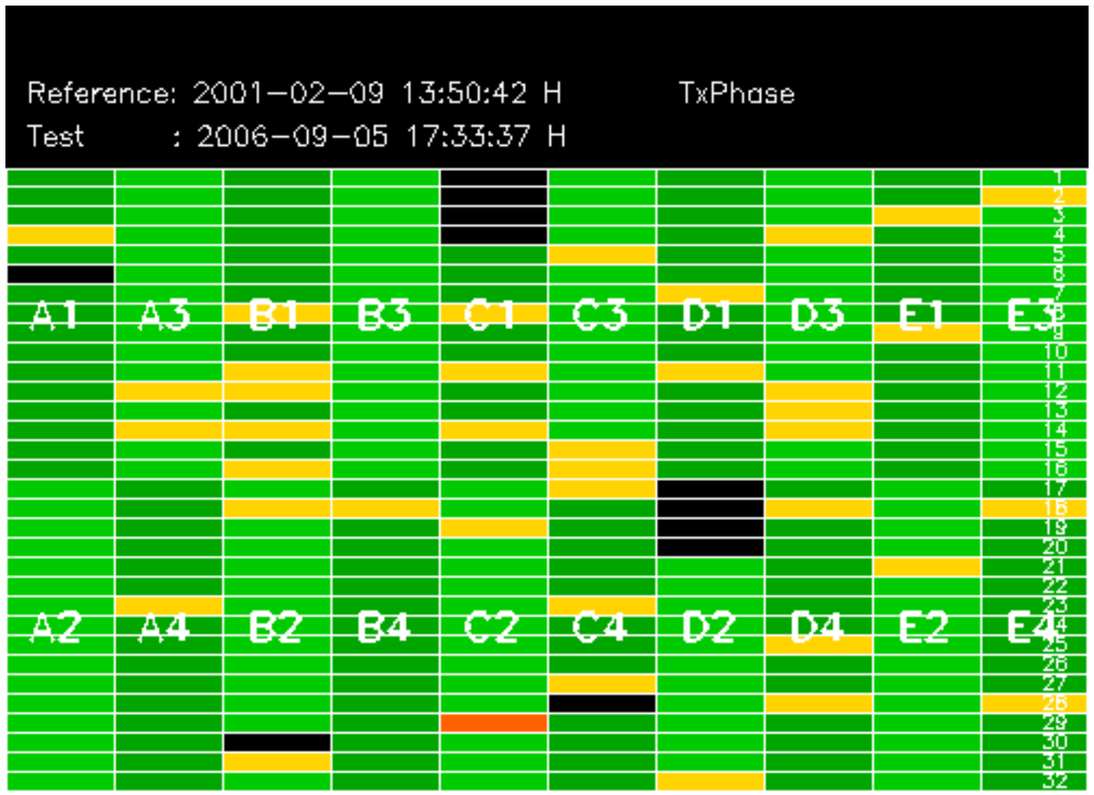
Summary of analysis for the last 3 days 2006090[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060906_004518_000001932051_00016_23617_5564.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060906_010159_000000692051_00017_23618_5567.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20060906_174208_000007252051_00027_23628_4299.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060905_162916_000001222051_00012_23613_1099.N1 </td> <td>0 </td> <td>57 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060905_231132_000000672051_00016_23617_1152.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060905_231134_000001092051_00016_23617_1265.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060906_131931_000001472051_00024_23625_1280.N1 </td> <td>0 </td> <td>33 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060906_155552_000000852051_00026_23627_1281.N1 </td> <td>0 </td> <td>65 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060907_010442_000002632051_00031_23632_1387.N1 </td> <td>0 </td> <td>36 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
23600
23610
23620
23630
23640
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_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
70
60
50
40
30
20
10
0
23600
23610
23620
23630
23640
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_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-09-05 17:33:37 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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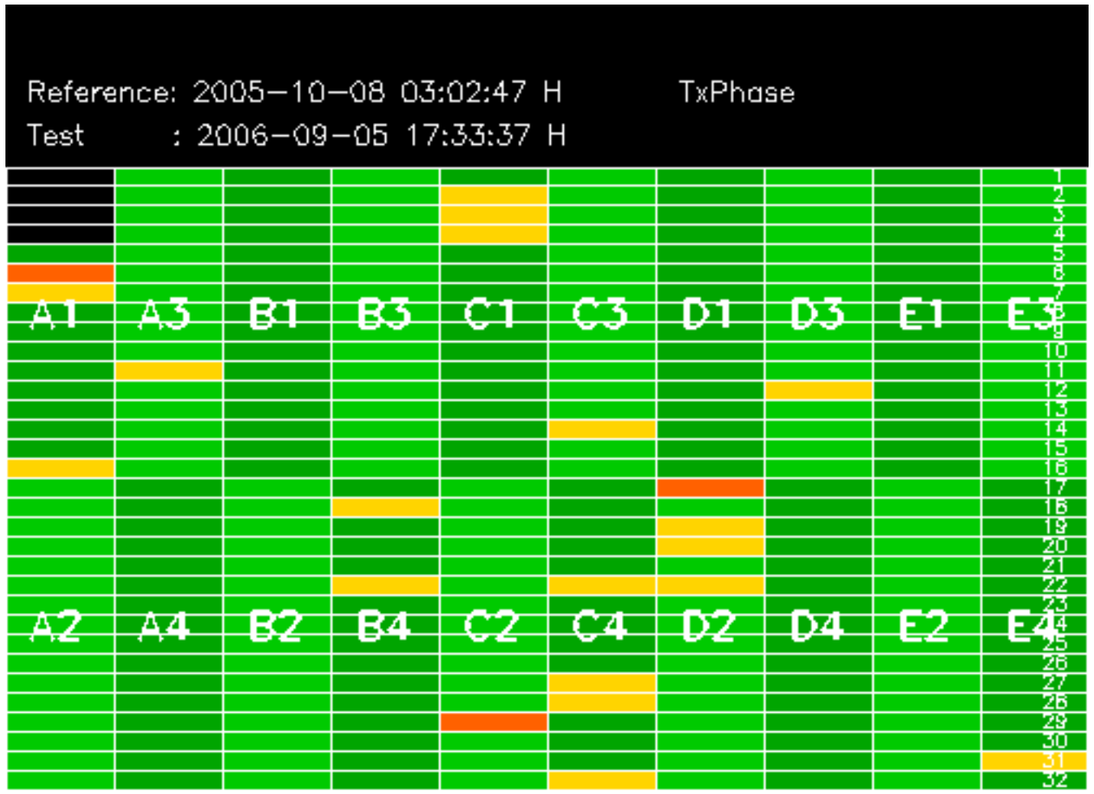
Reference: 2005-10-08 03:02:47 H
Test : 2006-09-05 17:33:37 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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3
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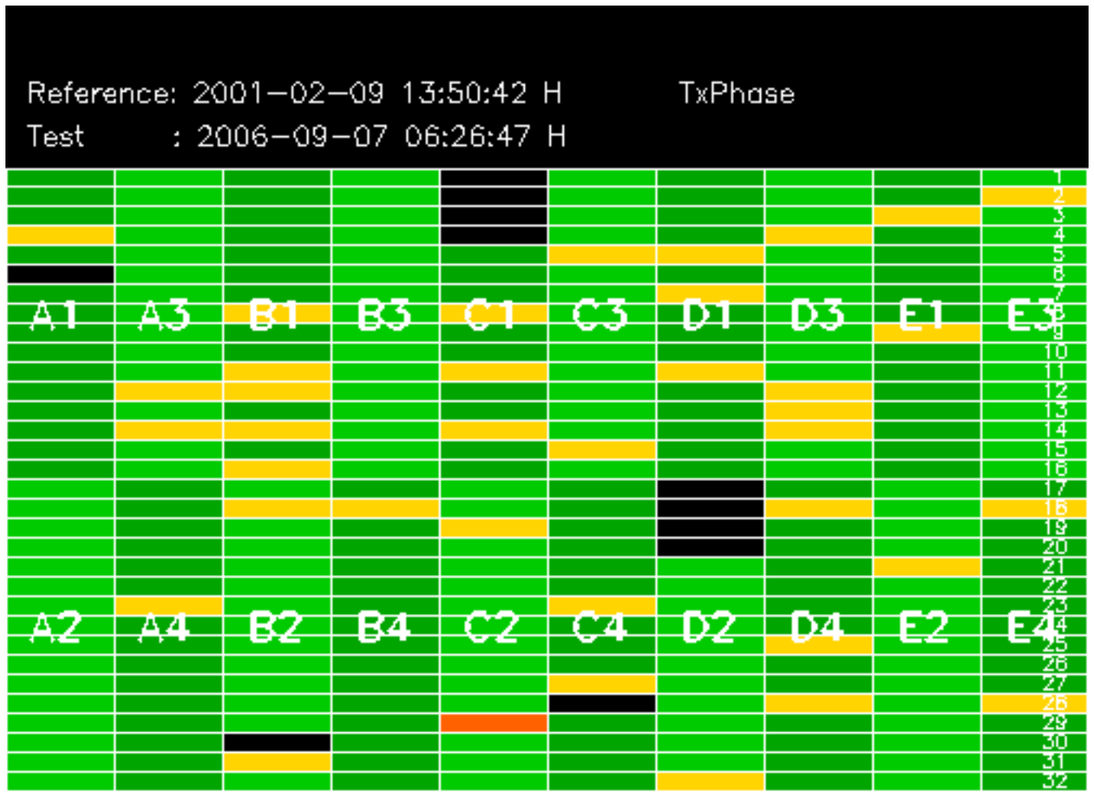
Reference: 2001-02-09 13:50:42 H
Test : 2006-09-07 06:26:47 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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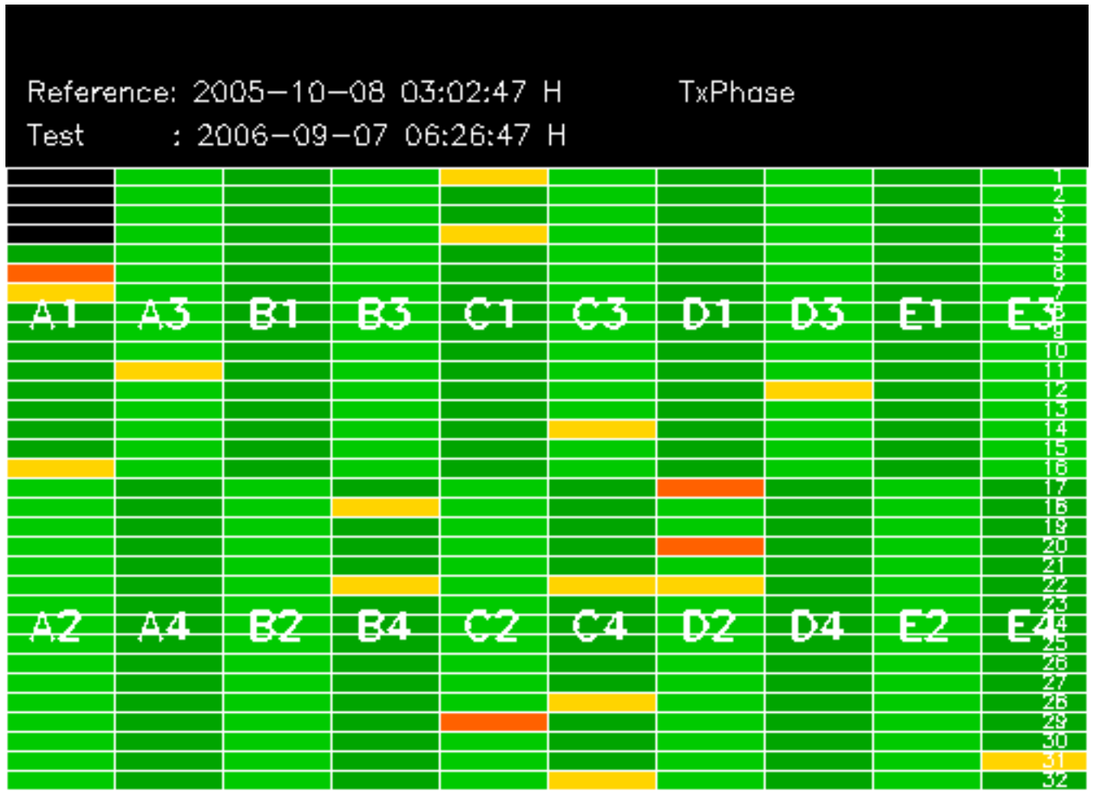
Reference: 2005-10-08 03:02:47 H
Test : 2006-09-07 06:26:47 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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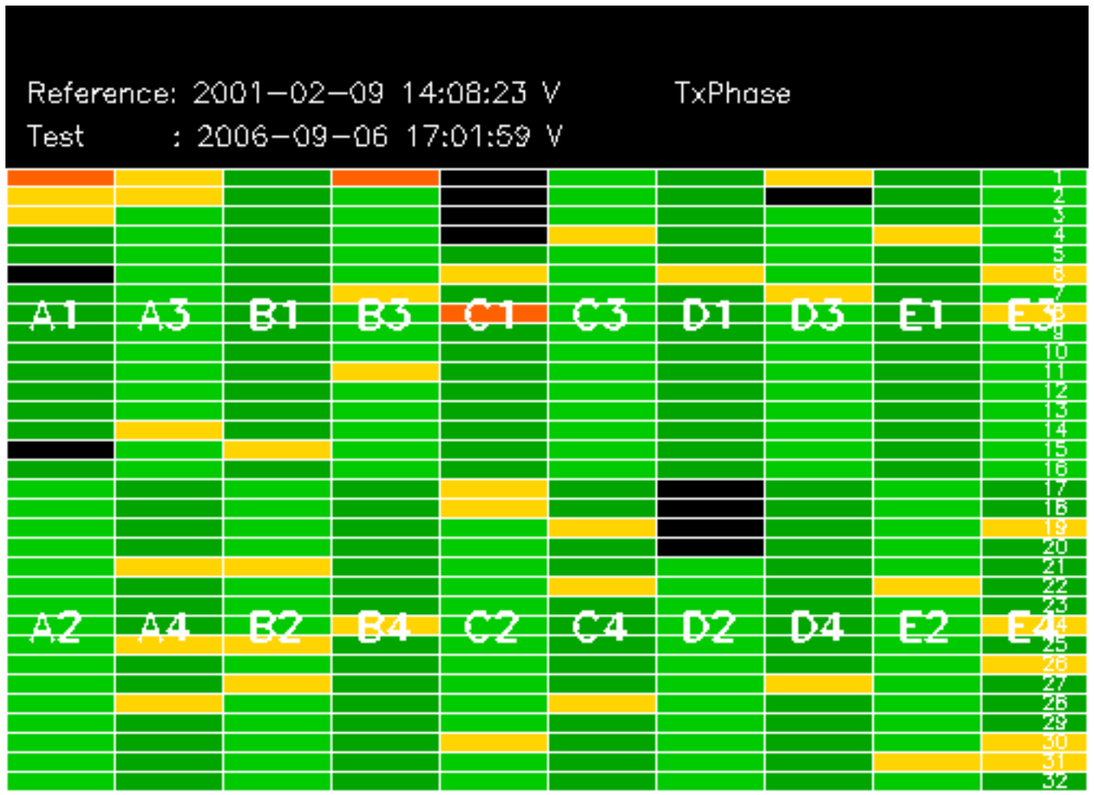
Reference: 2001-02-09 14:08:23 V
Test : 2006-09-06 17:01:59 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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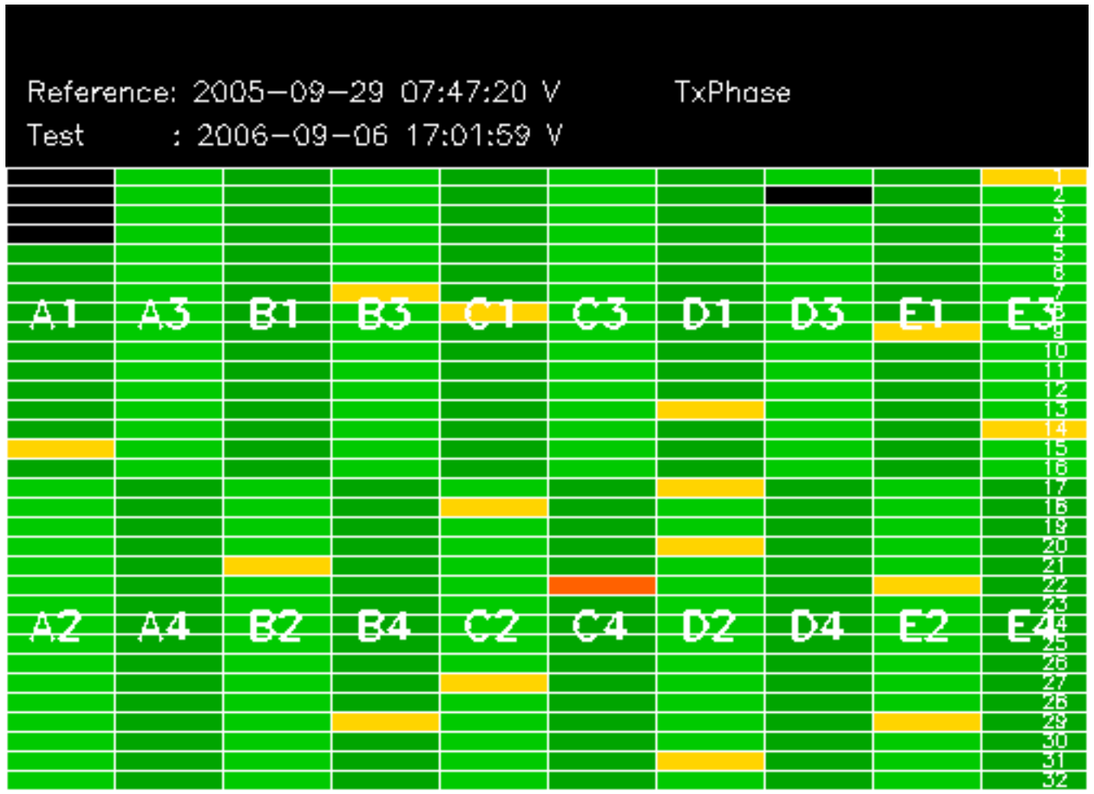
Reference: 2005-09-29 07:47:20 V
Test : 2006-09-06 17:01:59 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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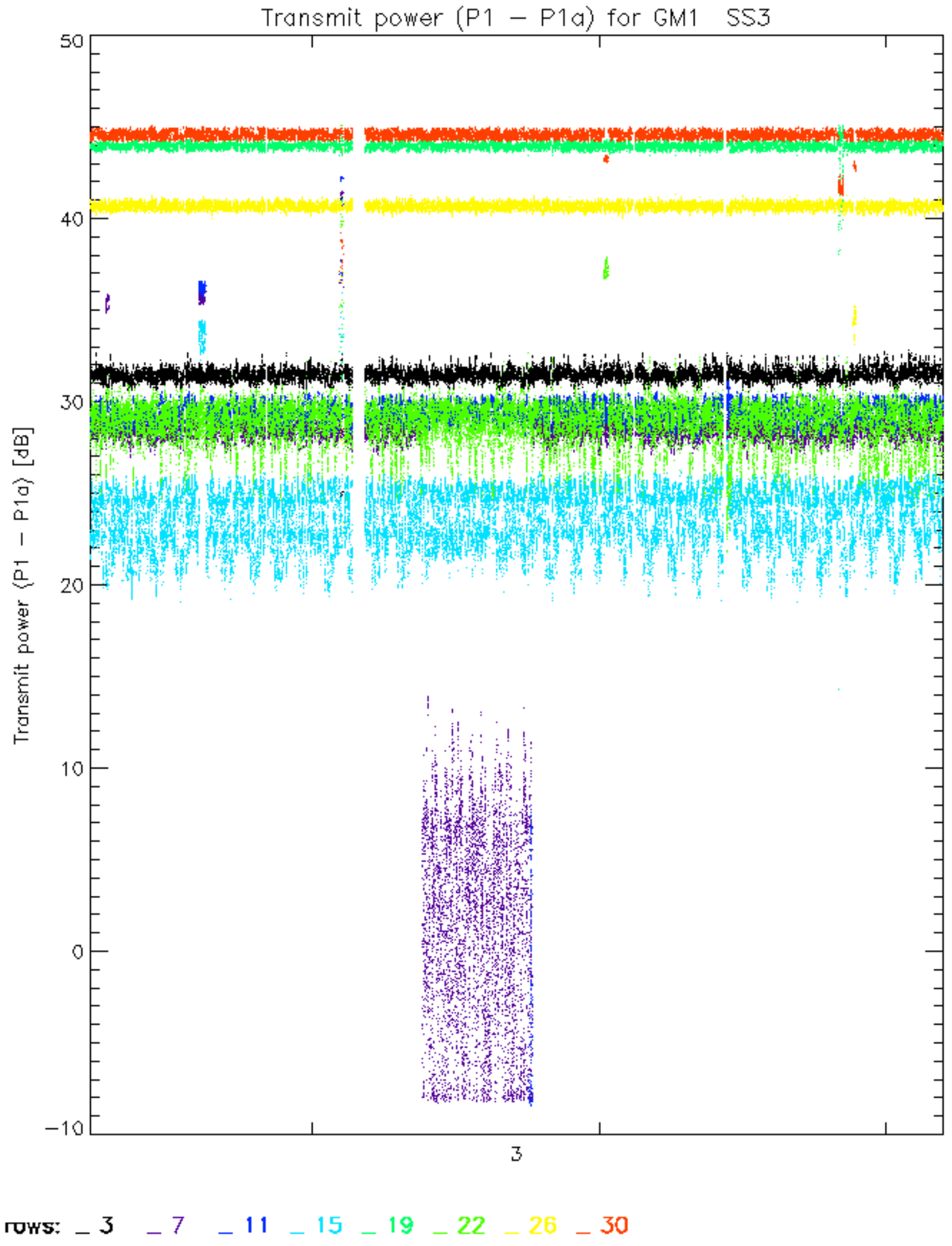
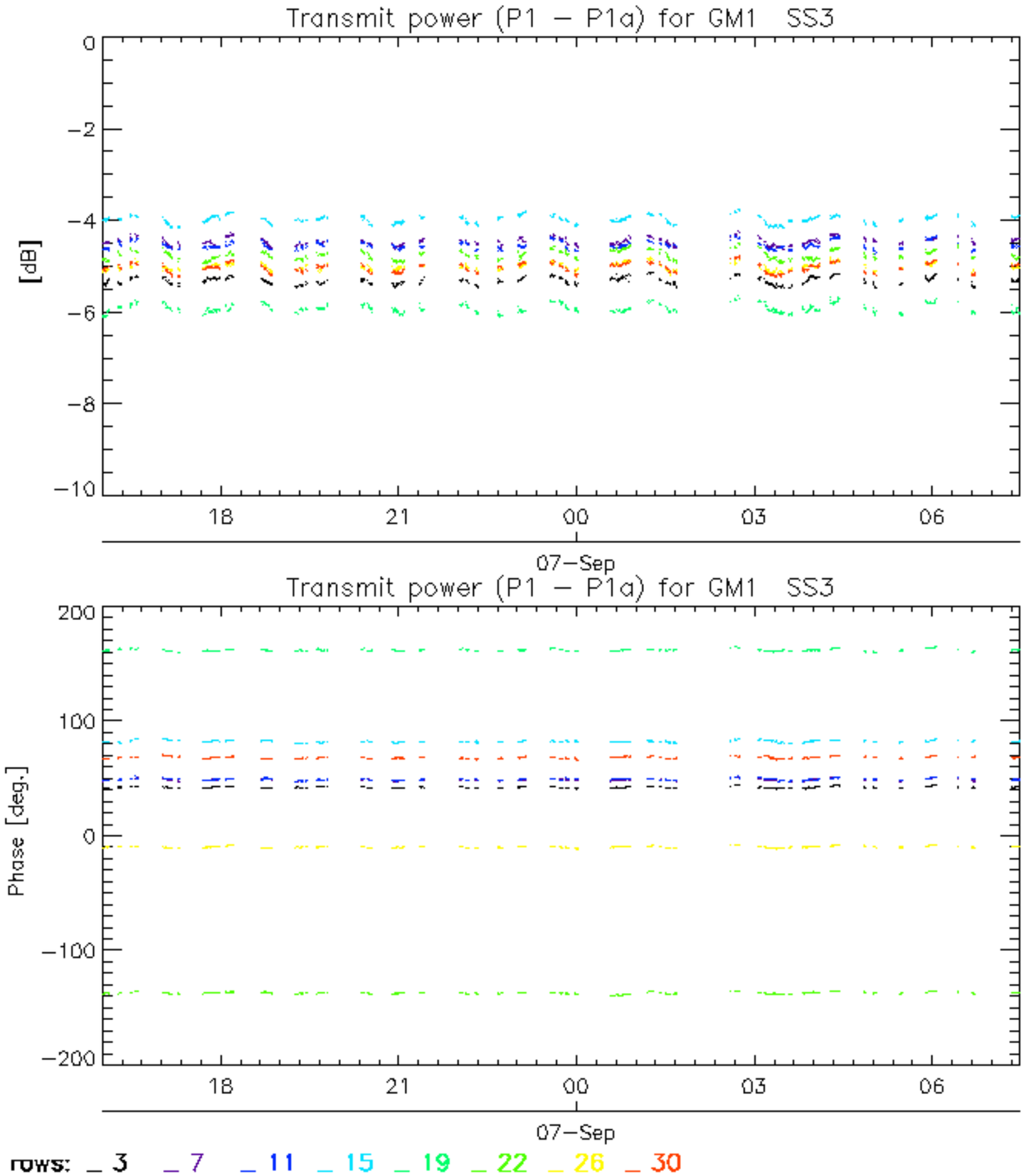
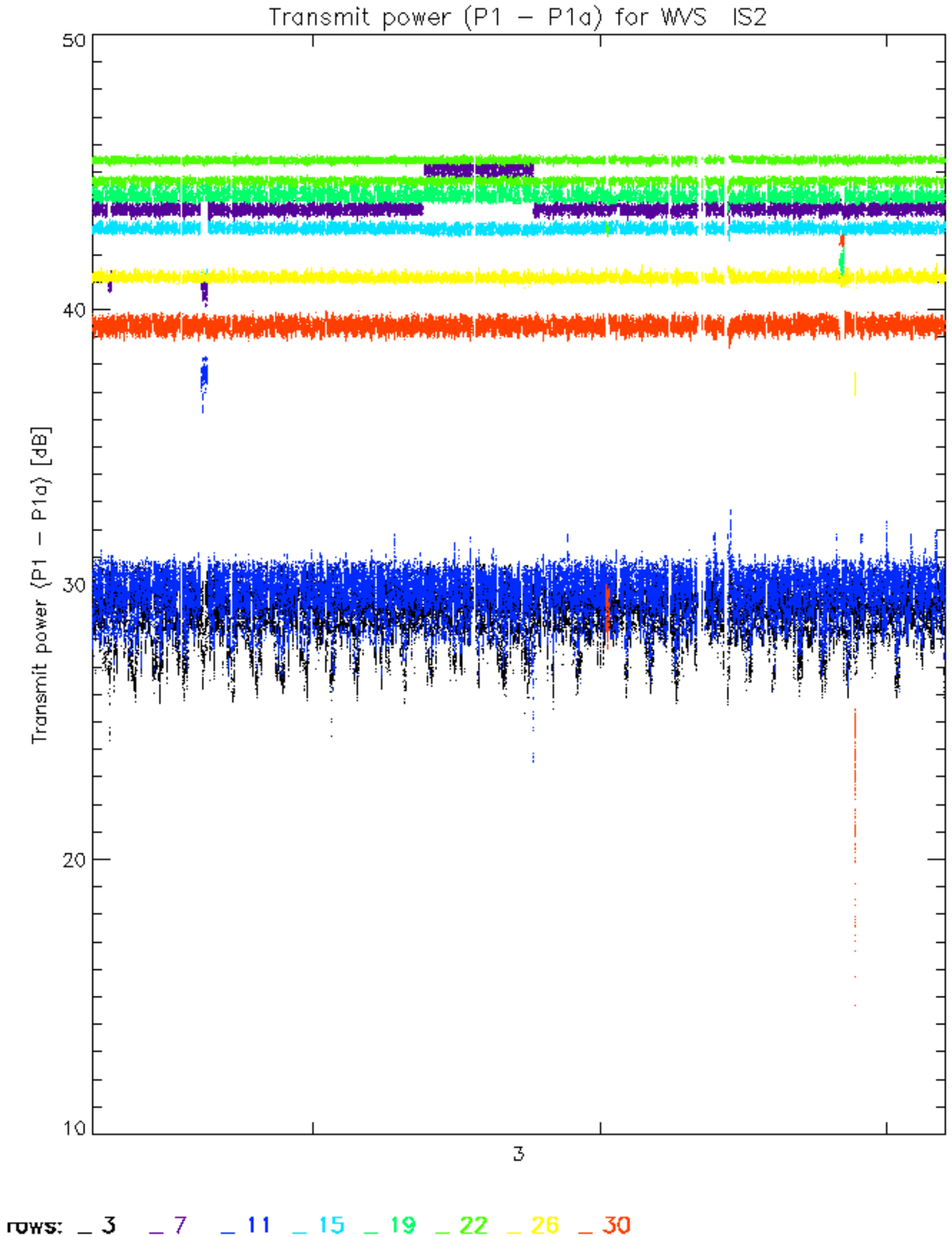
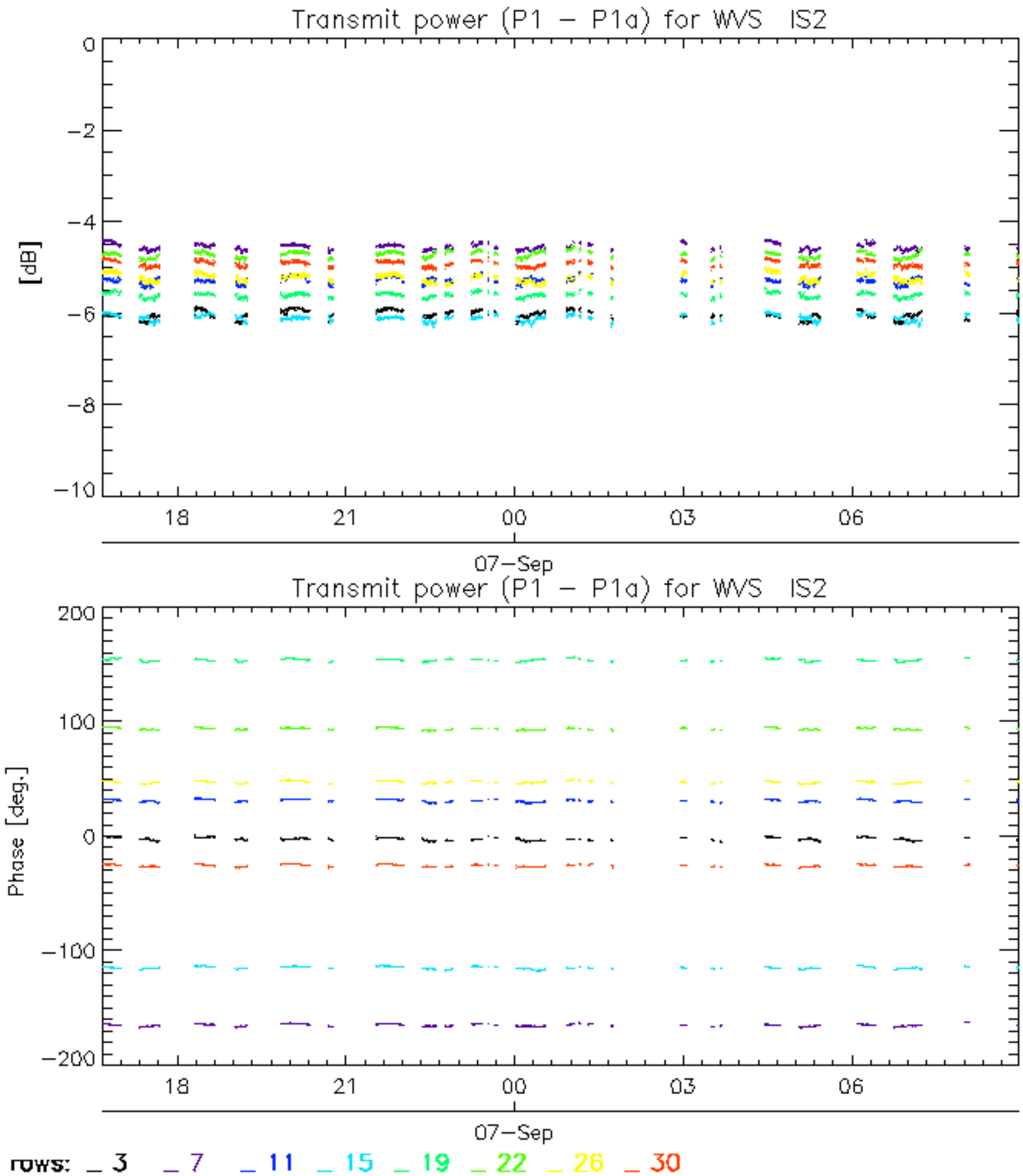

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
3
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
3
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
07–Sep
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
07–Sep
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.