PRELIMINARY REPORT OF 050929

last update on Thu Sep 29 10:50:01 GMT 2005

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 2005-09-28 00:00:00 to 2005-09-29 10:50:01

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

ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	26	49	8	5	0
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	26	49	8	5	0
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	26	49	8	5	0
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	26	49	8	5	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	36	56	20	6	57
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	36	56	20	6	57
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	36	56	20	6	57
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	36	56	20	6	57

2.3 - Browse Visual Inspection

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20050927 085034
H	20050928 081857

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
☒
☒

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	-3.469238	0.084439	-0.440491
7	P1	-3.070615	0.038968	0.399889
11	P1	-4.477932	0.159867	0.940228
15	P1	-5.819702	0.059750	-0.526794
19	P1	-3.425308	0.237956	1.055183
22	P1	-4.549389	0.024405	0.260653
26	P1	-4.636748	0.108540	0.696035
30	P1	-6.486725	0.710000	2.310093
3	P1	-15.898149	1.885928	-0.360797
7	P1	-16.527212	5.347999	-1.562038
11	P1	-20.010223	13.192572	7.247061
15	P1	-13.115599	11.190248	-3.801775
19	P1	-14.021425	0.352339	1.450466
22	P1	-17.121325	25.290144	-2.256388
26	P1	-18.142378	22.337534	-0.182234
30	P1	-18.072094	9.085892	1.293801

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.779839	0.101156	-0.234278
7	P2	-22.291983	0.333778	-1.298352
11	P2	-15.064457	3.255739	-4.950757
15	P2	-7.150002	0.122937	-0.256860
19	P2	-9.300386	0.232345	0.685720
22	P2	-17.170362	0.276754	-1.207522
26	P2	-16.324650	0.144536	0.598876
30	P2	-19.223309	0.283657	-1.196879

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.166305	0.004404	-0.023828
7	P3	-8.166305	0.004404	-0.023828
11	P3	-8.166305	0.004404	-0.023828
15	P3	-8.166305	0.004404	-0.023828
19	P3	-8.166305	0.004404	-0.023828
22	P3	-8.166305	0.004404	-0.023828
26	P3	-8.166305	0.004404	-0.023828
30	P3	-8.166305	0.004404	-0.023828

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	-3.045880	0.268441	-1.054149
7	P1	-2.984704	0.072371	0.059815
11	P1	-3.589660	0.349043	1.584388
15	P1	-3.550534	0.034880	0.331871
19	P1	-3.439324	0.085688	0.477270
22	P1	-5.366774	0.241962	0.901773
26	P1	-6.483049	1.034070	2.397268
30	P1	-5.671032	0.579373	1.648889
3	P1	-11.361058	0.540854	-0.824097
7	P1	-11.680020	21.133410	-0.981768
11	P1	-13.481240	39.274929	1.222247
15	P1	-13.040362	35.436813	-0.884169
19	P1	-15.322297	0.222978	0.160927
22	P1	-23.303652	7.116100	6.657011
26	P1	-16.639071	6.583180	-3.433746
30	P1	-19.894712	2.048299	1.078568

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.525942	0.068629	-0.409482
7	P2	-22.473875	0.374770	-1.533655
11	P2	-10.494897	1.392016	-3.258900
15	P2	-4.994782	0.051647	0.261392
19	P2	-6.761082	0.122894	0.040205
22	P2	-7.436910	0.292709	-1.410787
26	P2	-23.907656	0.041853	0.138096
30	P2	-22.032742	0.072101	-0.232665

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.009083	0.003455	-0.021976
7	P3	-8.009005	0.003461	-0.021802
11	P3	-8.008879	0.003459	-0.021589
15	P3	-8.008909	0.003467	-0.022072
19	P3	-8.009068	0.003449	-0.022055
22	P3	-8.008927	0.003451	-0.021838
26	P3	-8.009019	0.003457	-0.022179
30	P3	-8.008915	0.003471	-0.022194

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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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	0.000506804
	stdev	1.95171e-07
MEAN Q	mean	0.000515835
	stdev	2.19686e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.133006
	stdev	0.00102783
STDEV Q	mean	0.133297
	stdev	0.00104099

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005092[789]
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_1PNPDE20050927_201157_000000522041_00114_18705_6811.N1	0	20
ASA_IMM_1PNPDK20050927_075833_000000682041_00107_18698_4860.N1	0	111
ASA_IMM_1PNPDK20050927_081402_000000212041_00107_18698_4855.N1	0	56
ASA_IMM_1PNPDK20050927_081423_000000162041_00107_18698_4910.N1	0	71
ASA_GM1_1PNPDK20050927_070836_000005792041_00106_18697_6635.N1	0	8
ASA_GM1_1PNPDK20050927_072000_000004532041_00106_18697_6640.N1	0	29
ASA_GM1_1PNPDK20050927_075957_000005012041_00107_18698_6639.N1	0	30
ASA_GM1_1PNPDK20050927_081001_000001262041_00107_18698_6643.N1	0	30
ASA_WSM_1PNPDE20050927_042619_000003042041_00105_18696_0855.N1	0	45

ASA_WSM_1PNPDE20050927_161253_000000852041_00112_18703_0924.N1	0	6
ASA_WSM_1PNPDE20050928_062907_000001402041_00120_18711_1053.N1	0	24
ASA_WSM_1PNPDK20050927_081451_000000672041_00107_18698_5170.N1	0	89
ASA_WSM_1PNPDK20050927_081659_000000552041_00107_18698_5171.N1	0	44
ASA_WSM_1PNPDK20050927_081855_000000552041_00107_18698_5172.N1	0	93

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

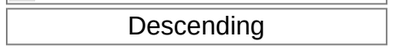
Evolution of unbiased Doppler error (Real - Expected)

Acsending

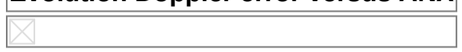
Descending

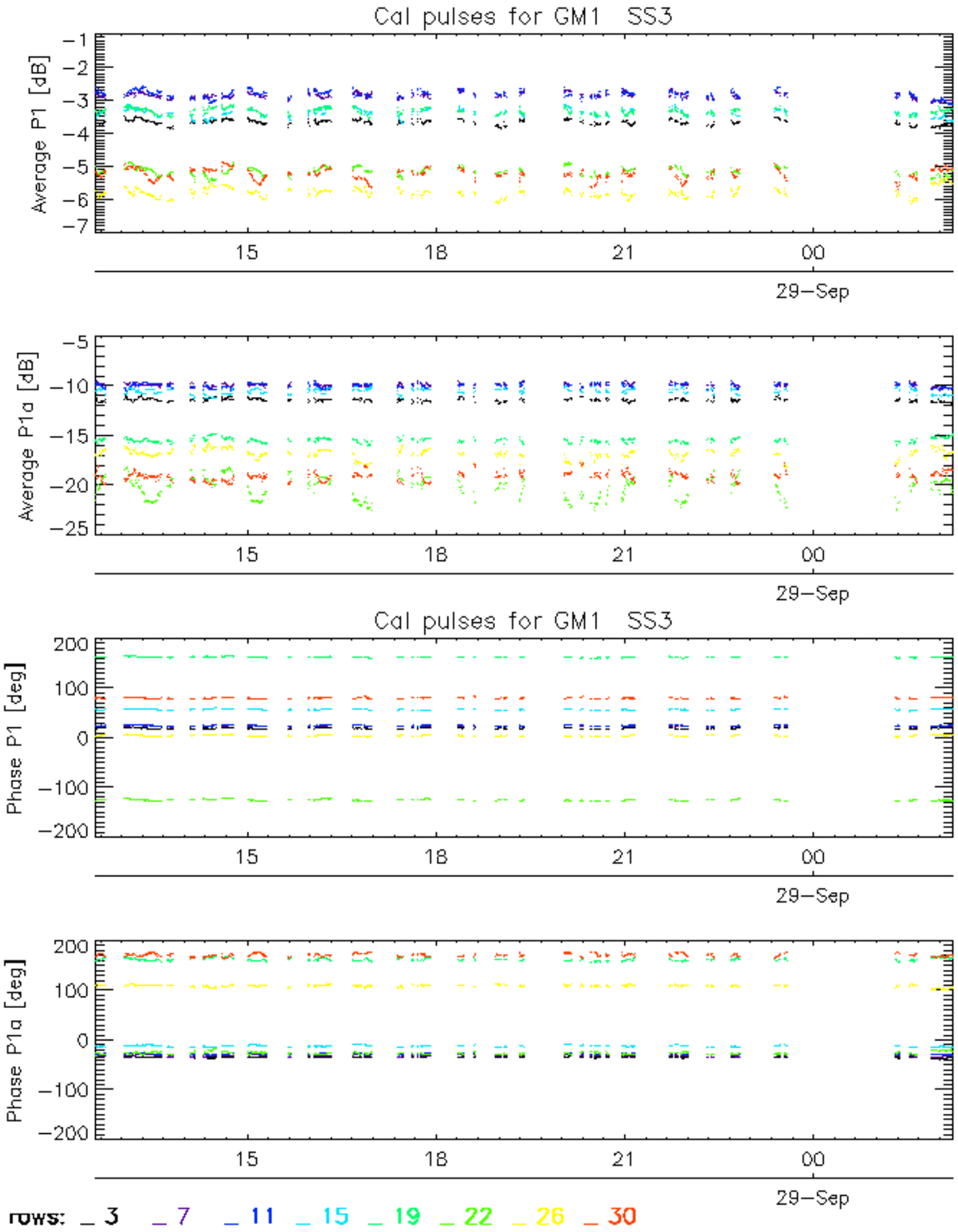
7.5 - Absolute Doppler for GM1

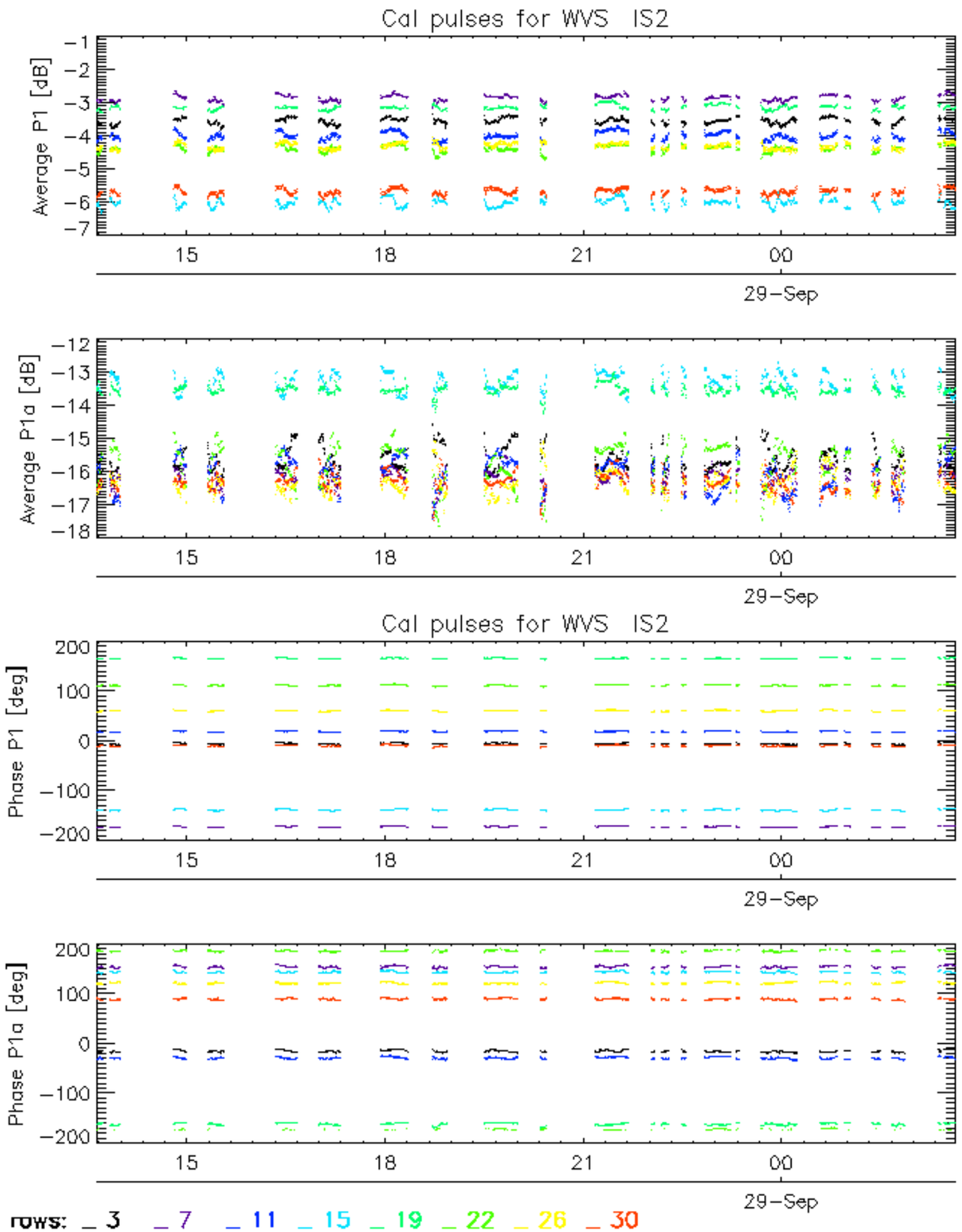
Evolution of Absolute Doppler

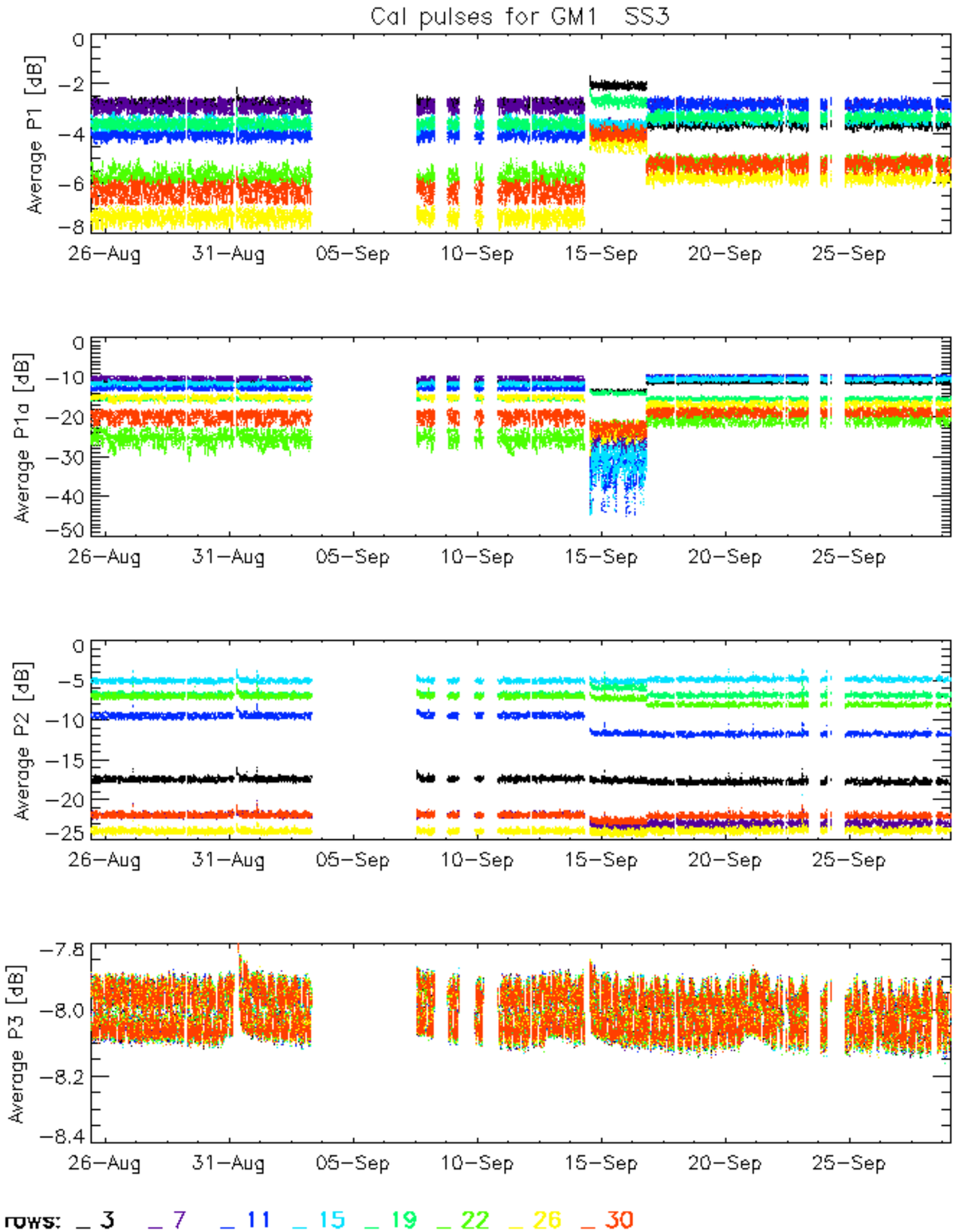
Acsending

Descending

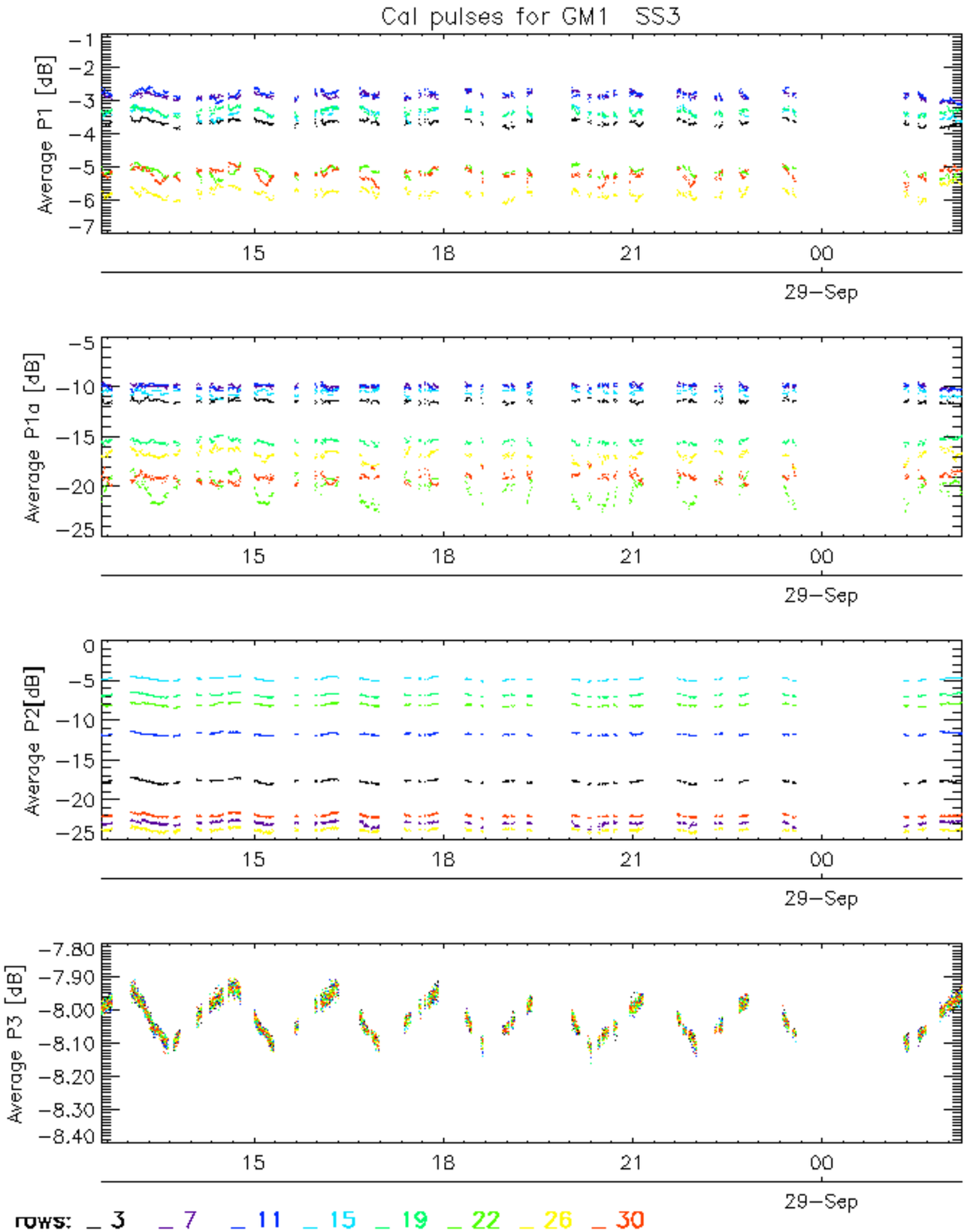
7.6 - Doppler evolution versus ANX for GM1

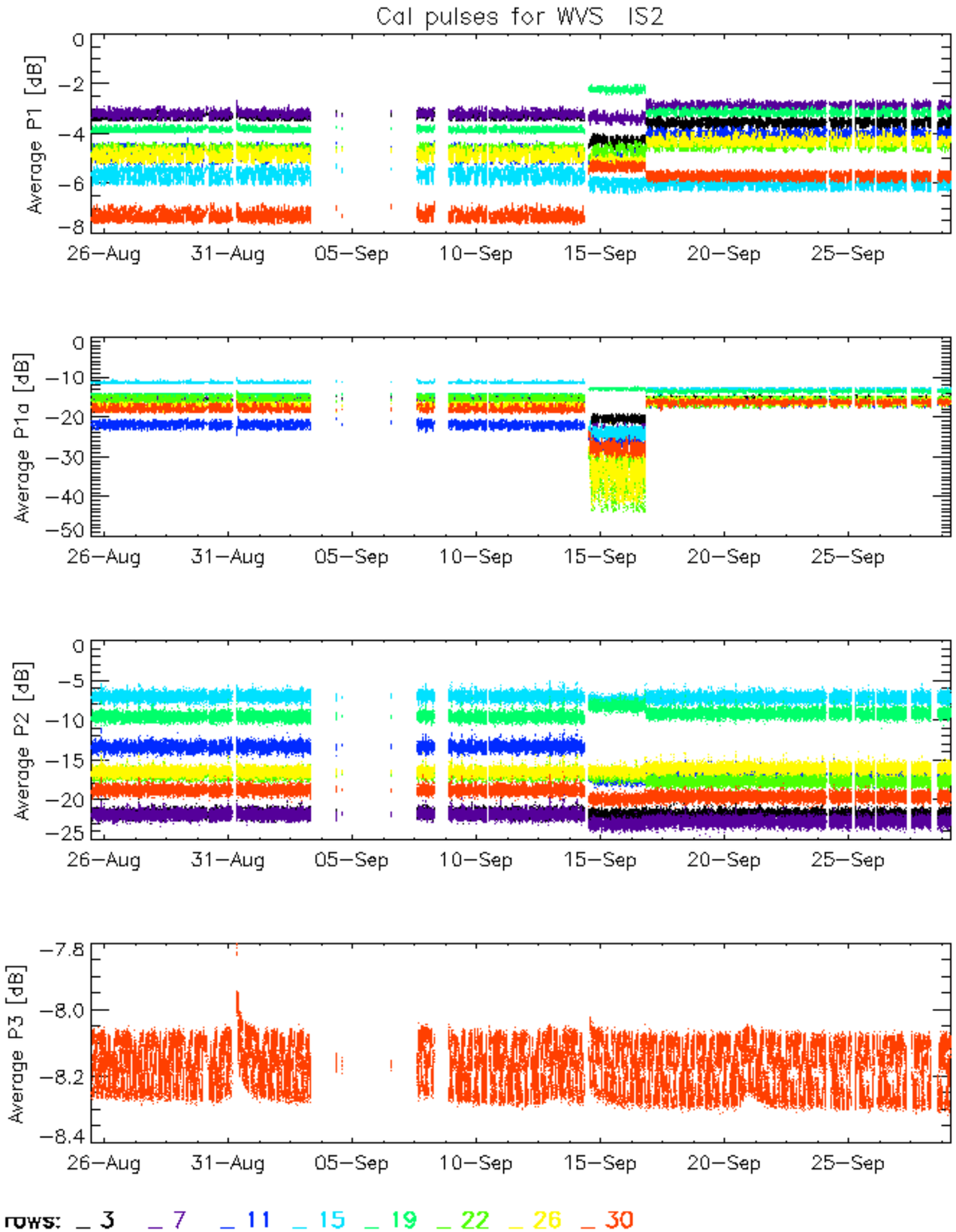
Evolution Doppler error versus ANX


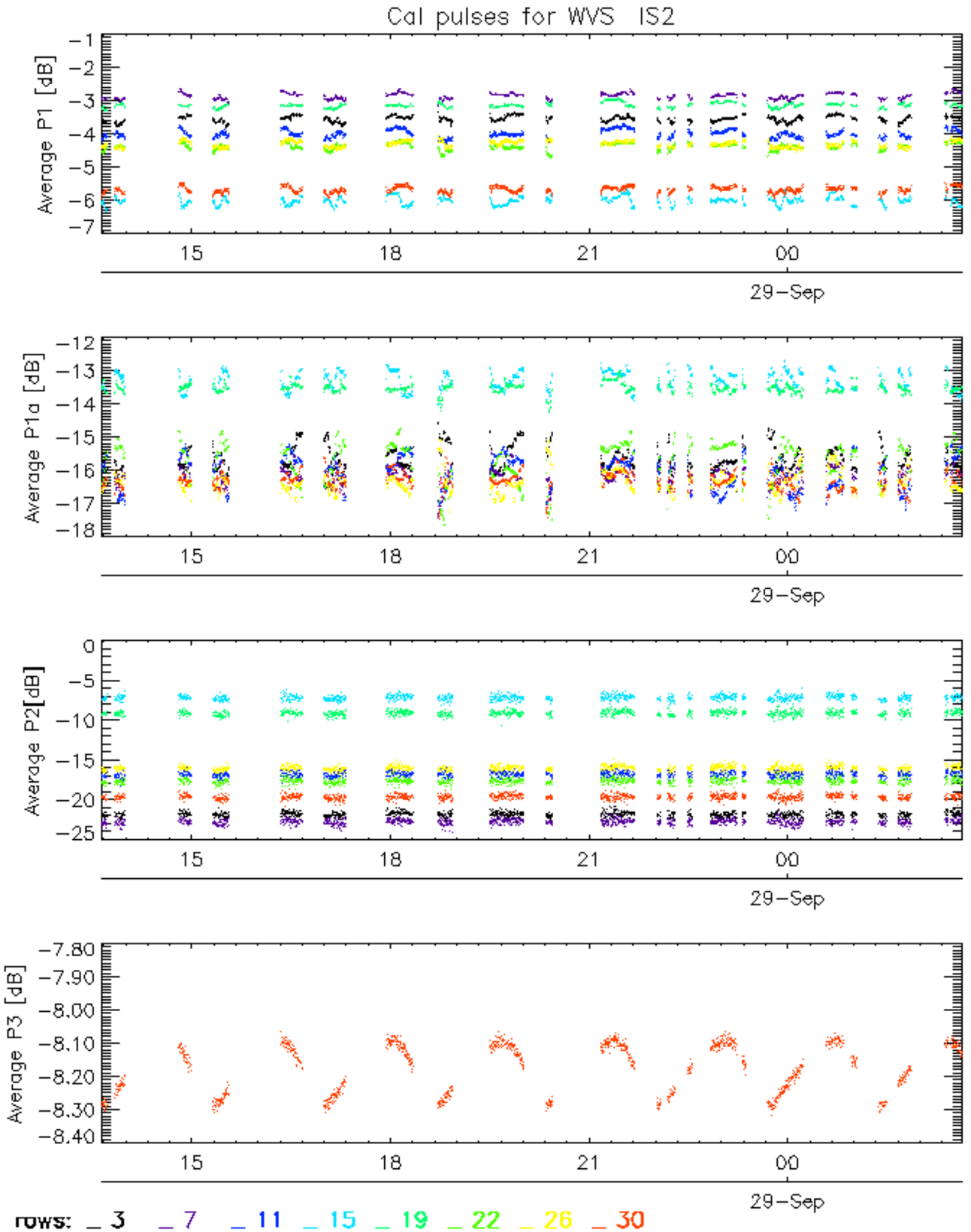

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
15
18
21
00
29−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
15
18
21
00
29−Sep
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
15
18
21
00
29−Sep
Phase P1a [deg]
200
100
0
−100
−200
15
18
21
00
29−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
15
18
21
00
29−Sep
Average P1a [dB]
−12
−13
−14
−15
−16
−17
−18
15
18
21
00
29−Sep
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
15
18
21
00
29−Sep
Phase P1a [deg]
200
100
0
−100
−200
15
18
21
00
29−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

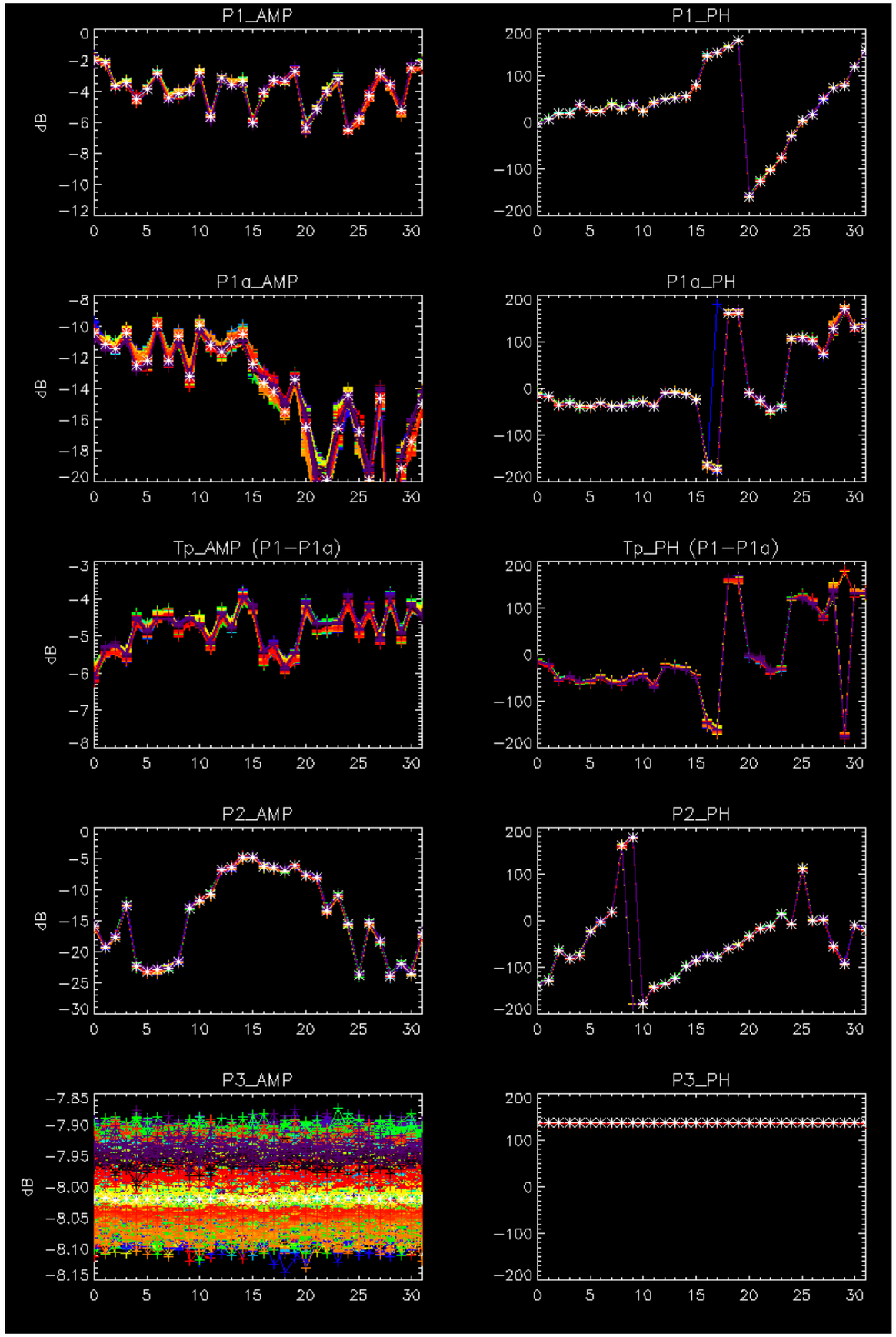

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
25−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

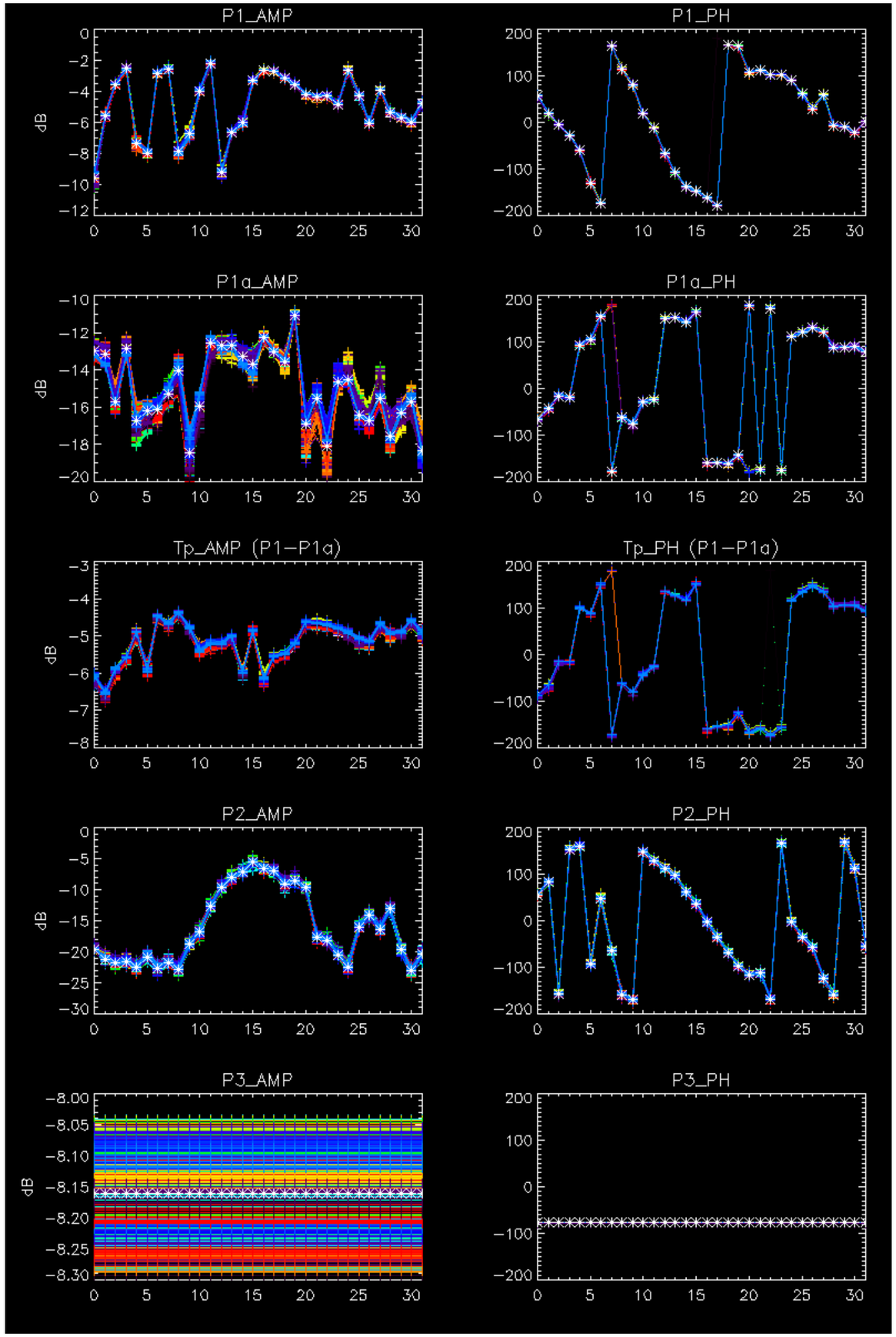

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
15
18
21
00
29−Sep
Average P1a [dB]
−5
−10
−15
−20
−25
15
18
21
00
29−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
15
18
21
00
29−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
15
18
21
00
29−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _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


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
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−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
25−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
15
18
21
00
29−Sep
Average P1a [dB]
−12
−13
−14
−15
−16
−17
−18
15
18
21
00
29−Sep
Average P2[dB]
0
−5
−10
−15
−20
−25
15
18
21
00
29−Sep
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
15
18
21
00
29−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

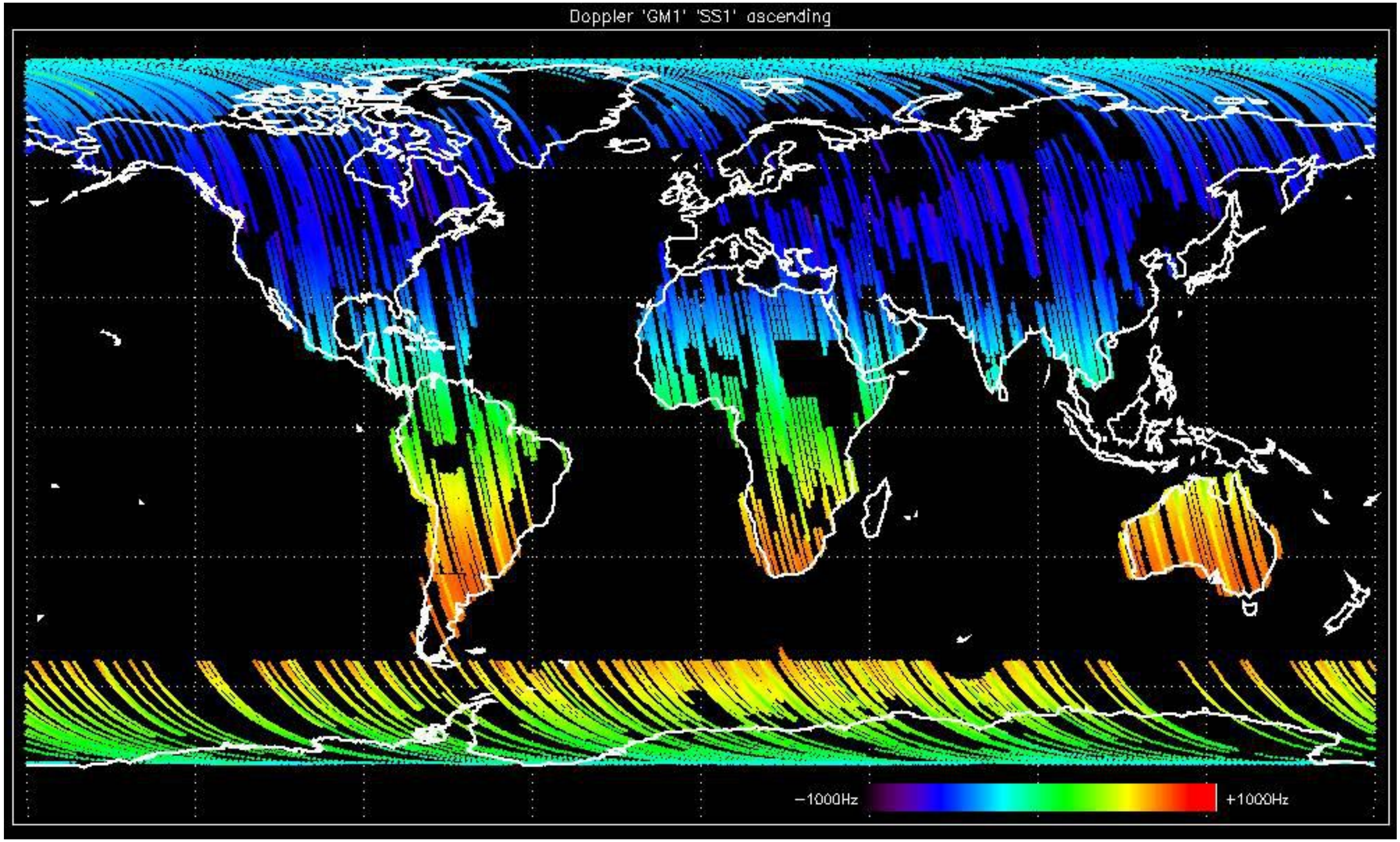
No anomalies observed.

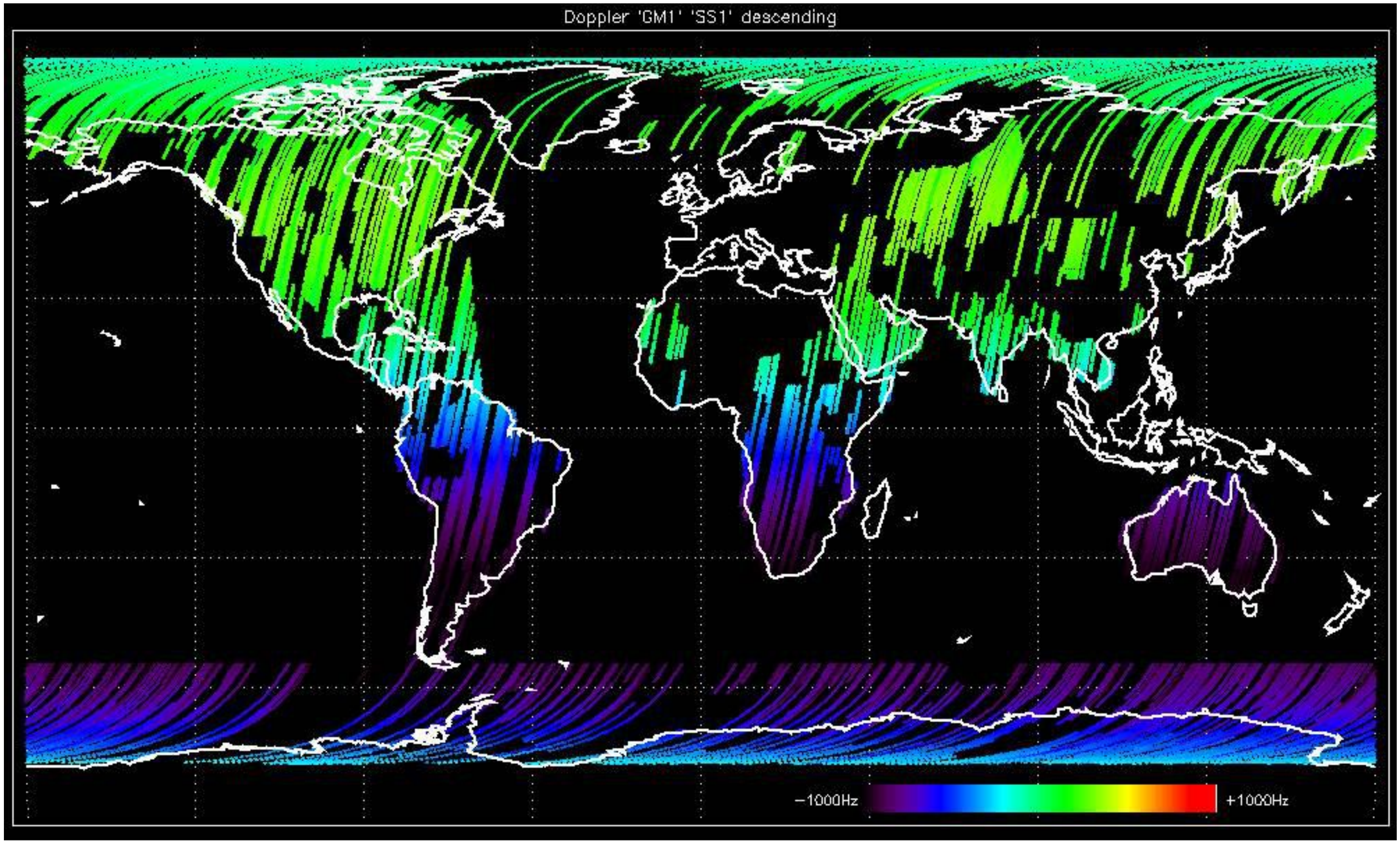

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

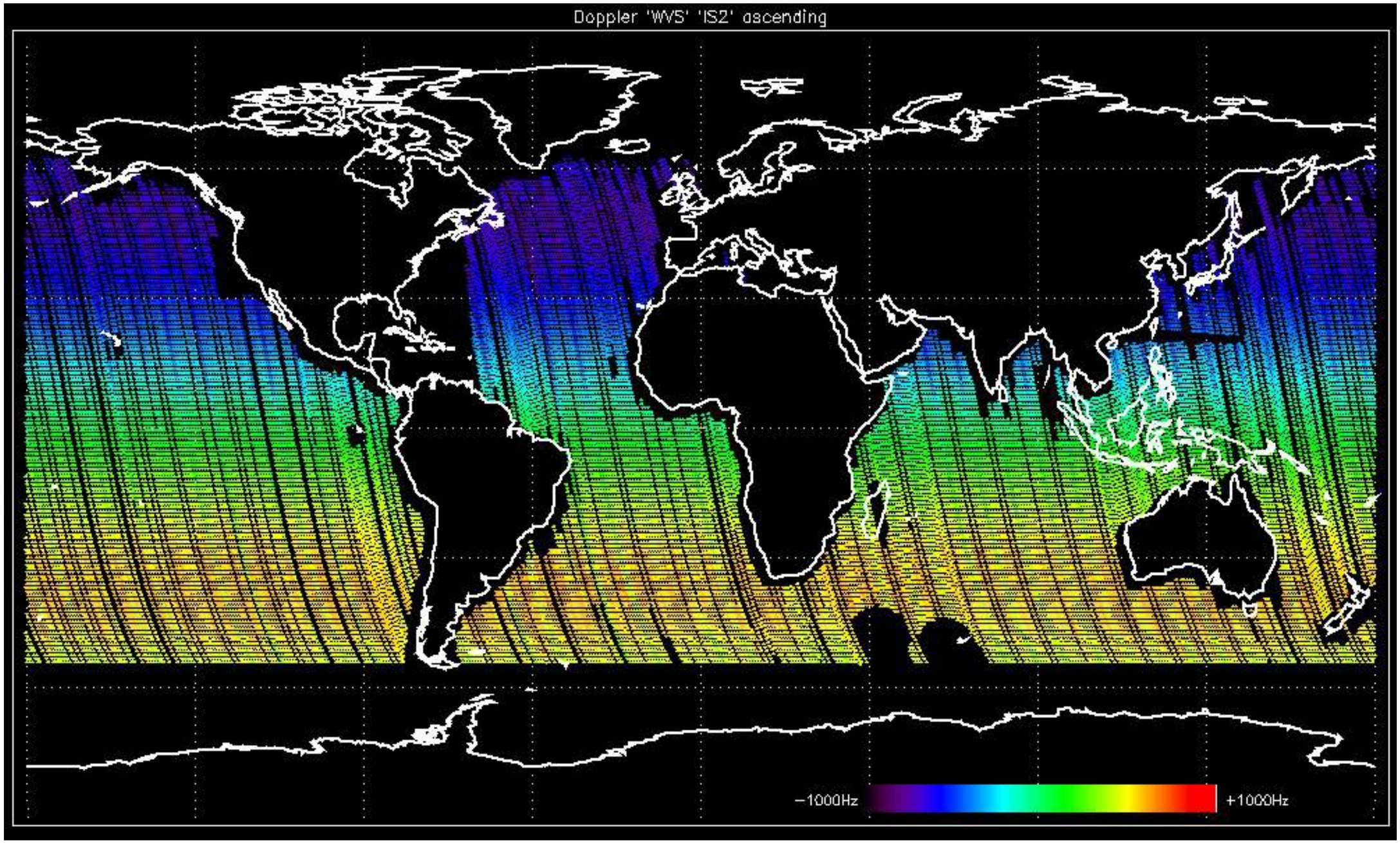

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

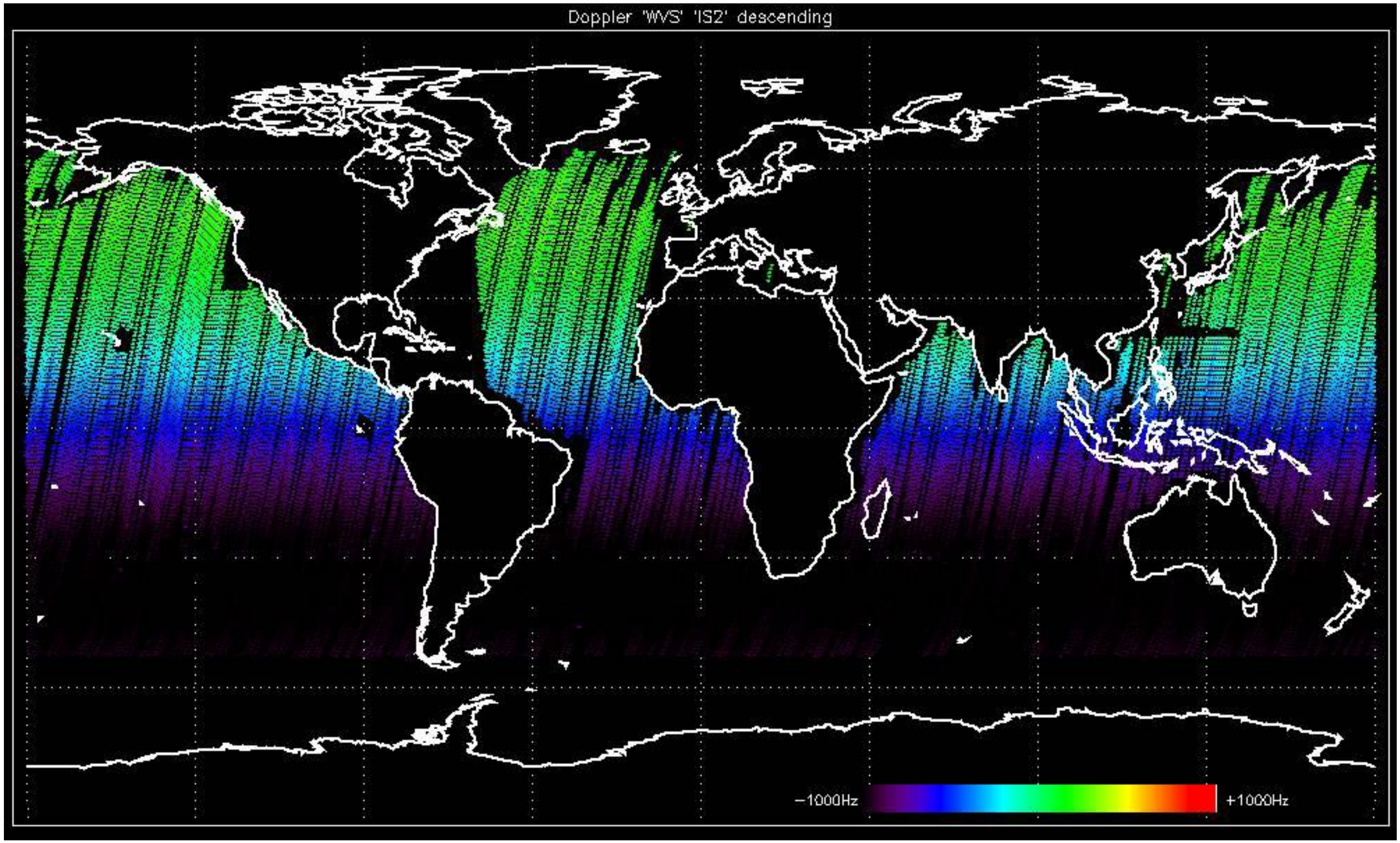
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

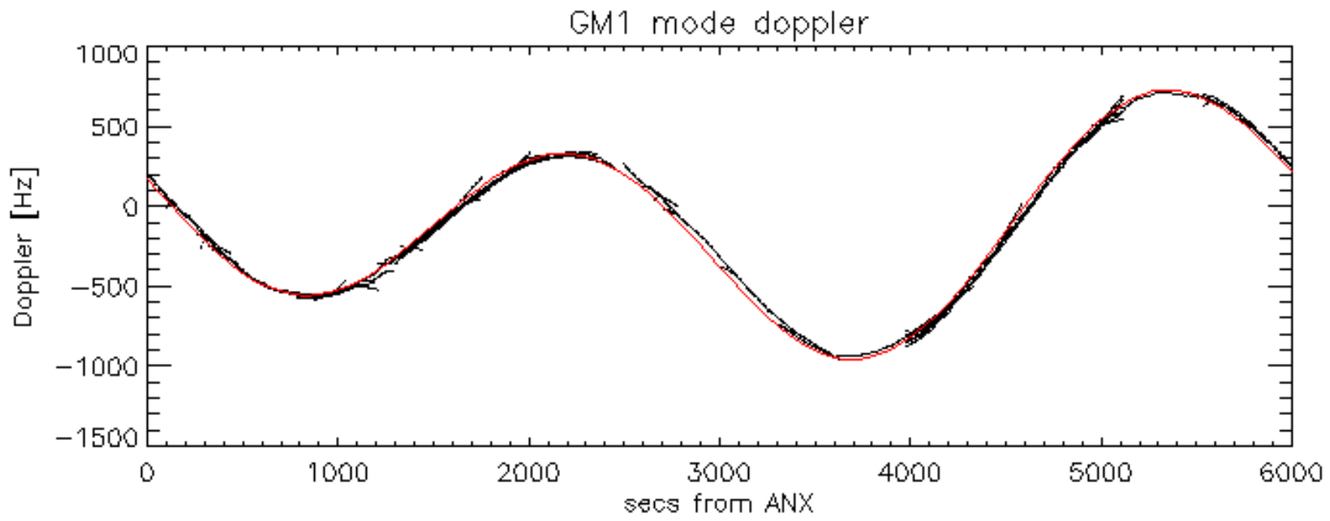
Preliminary report.The data is not yet controled

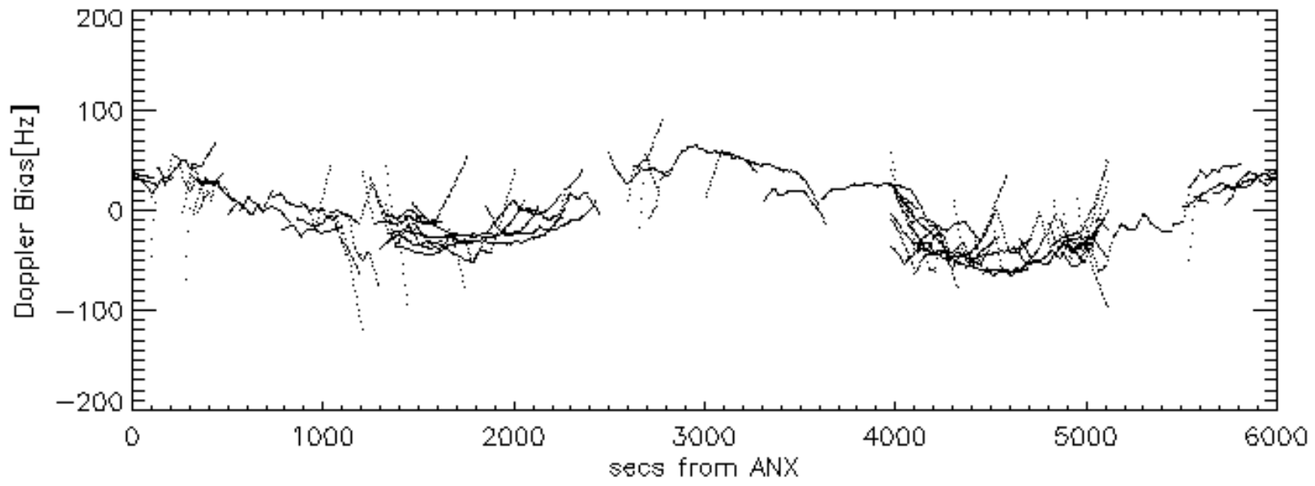

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

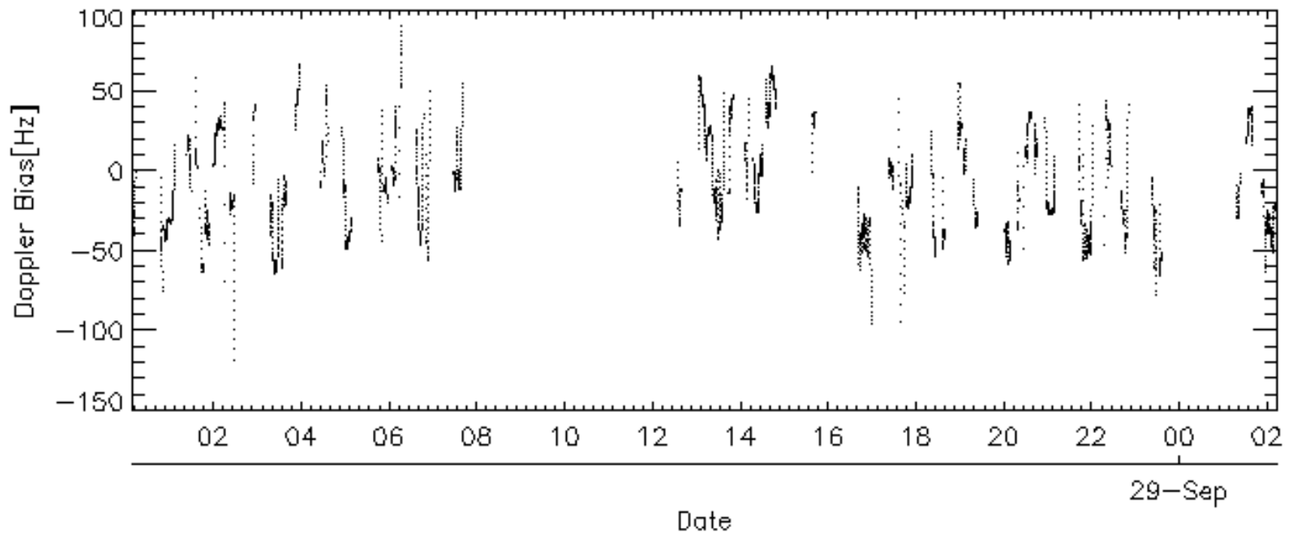

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

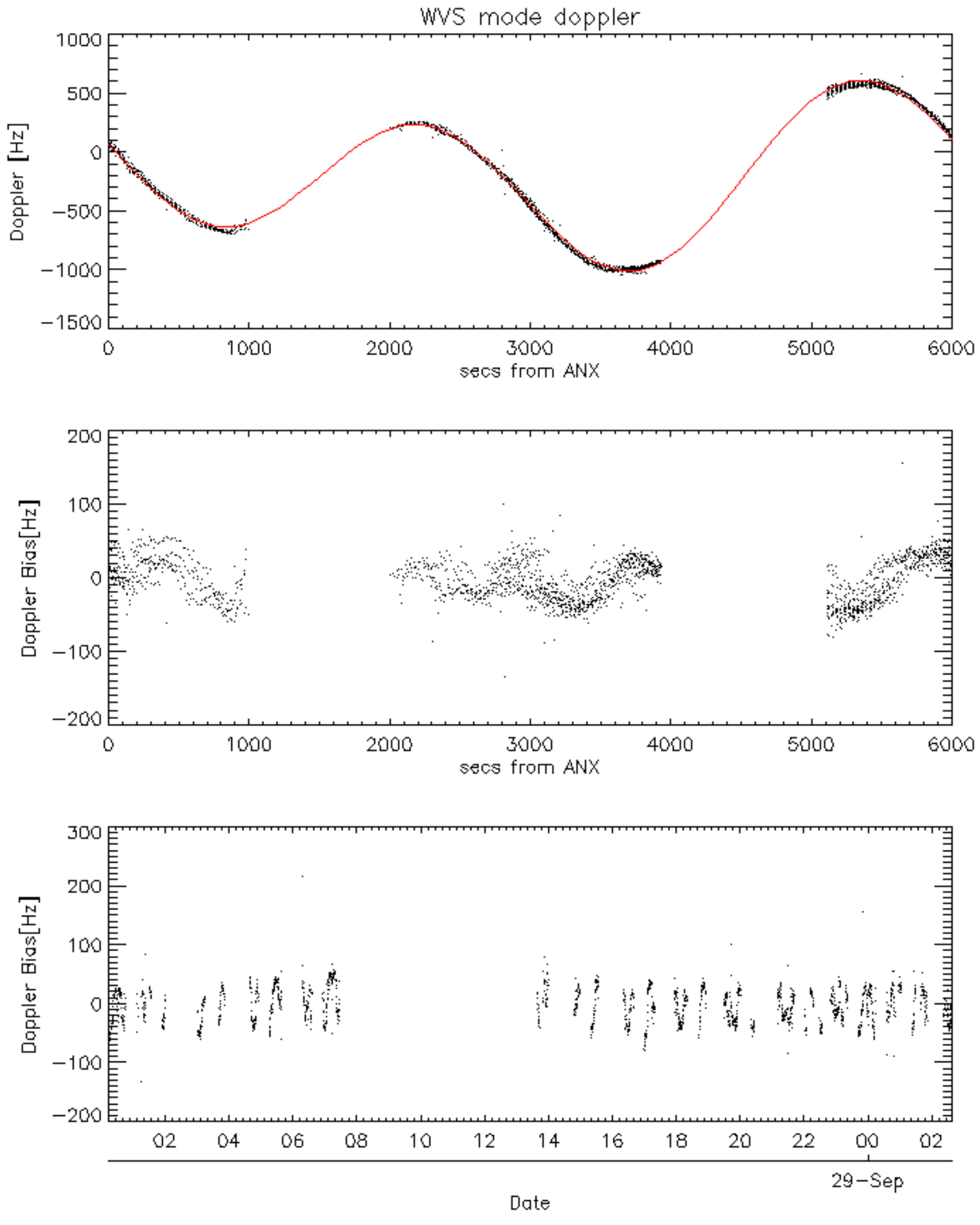

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

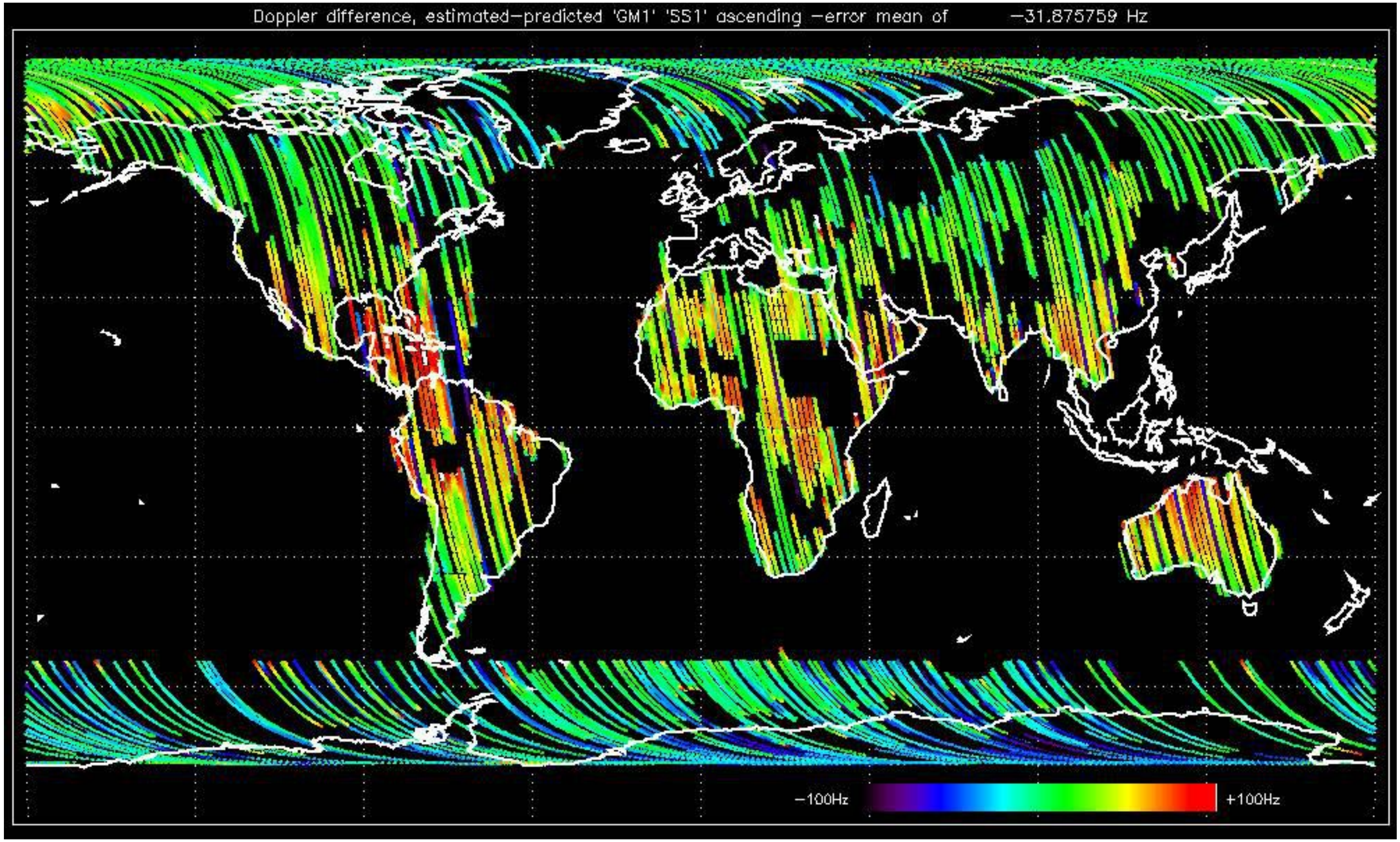

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

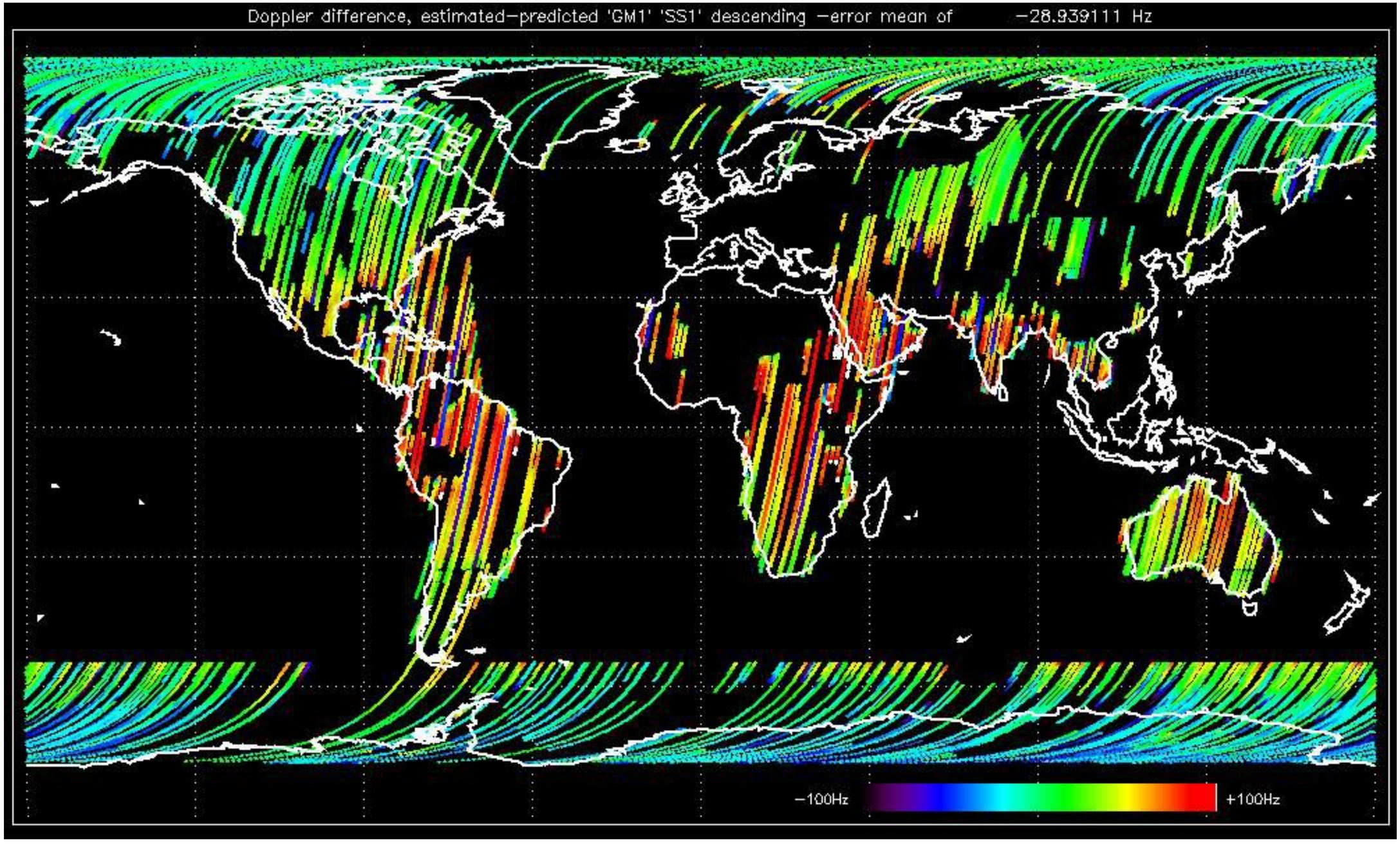

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

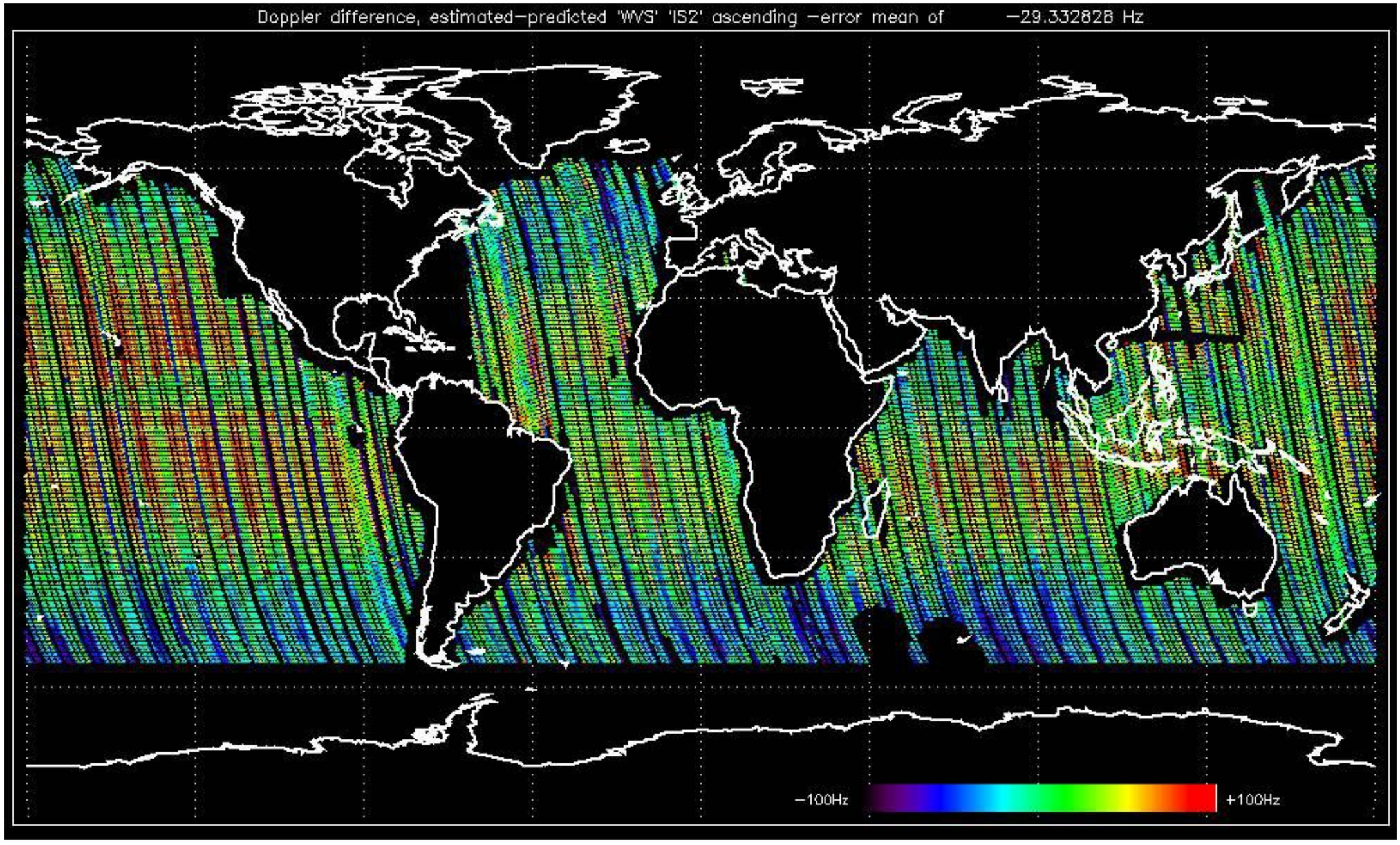

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

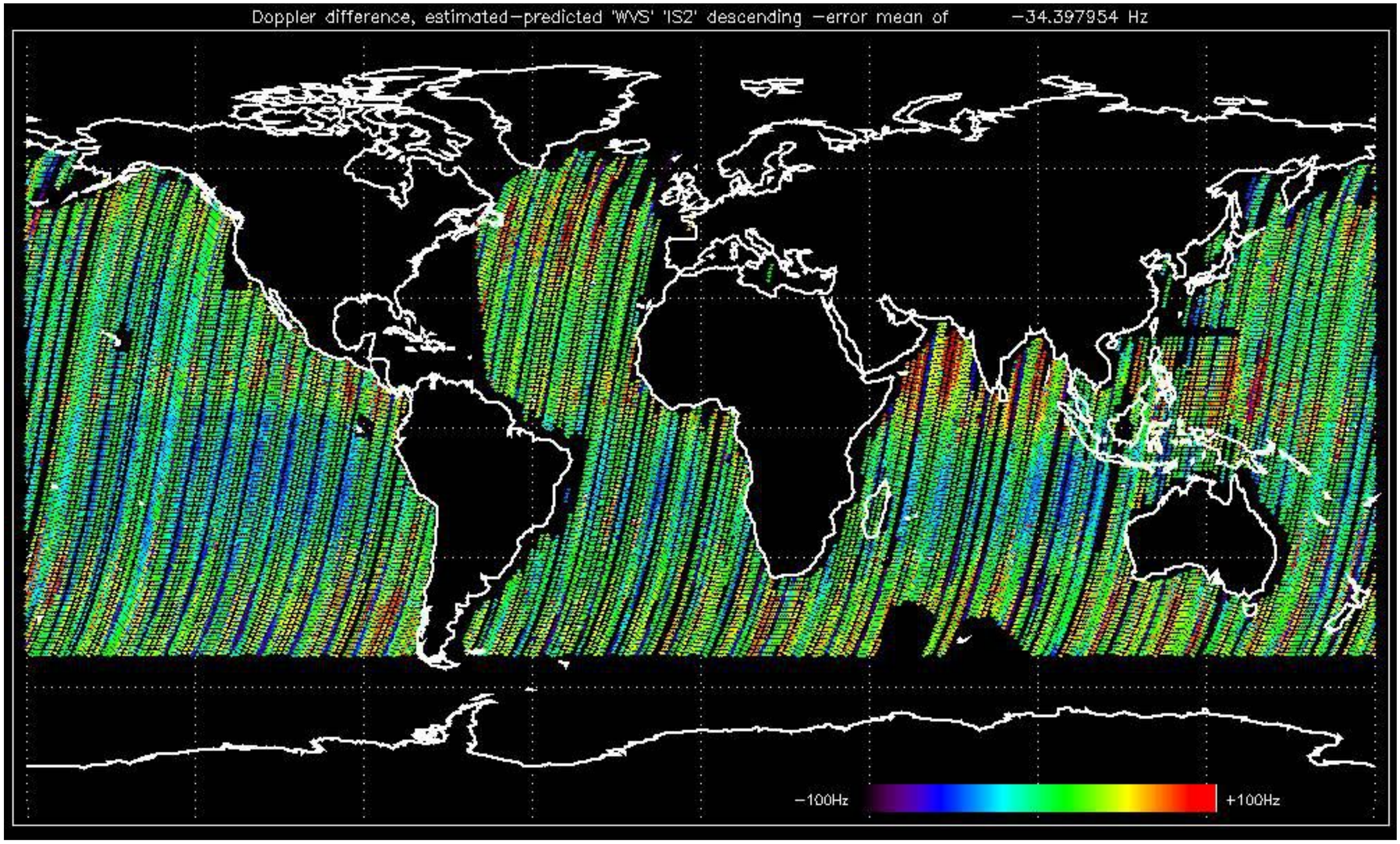

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
29−Sep
Date


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
29−Sep
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −31.875759 Hz
−100Hz
+100Hz

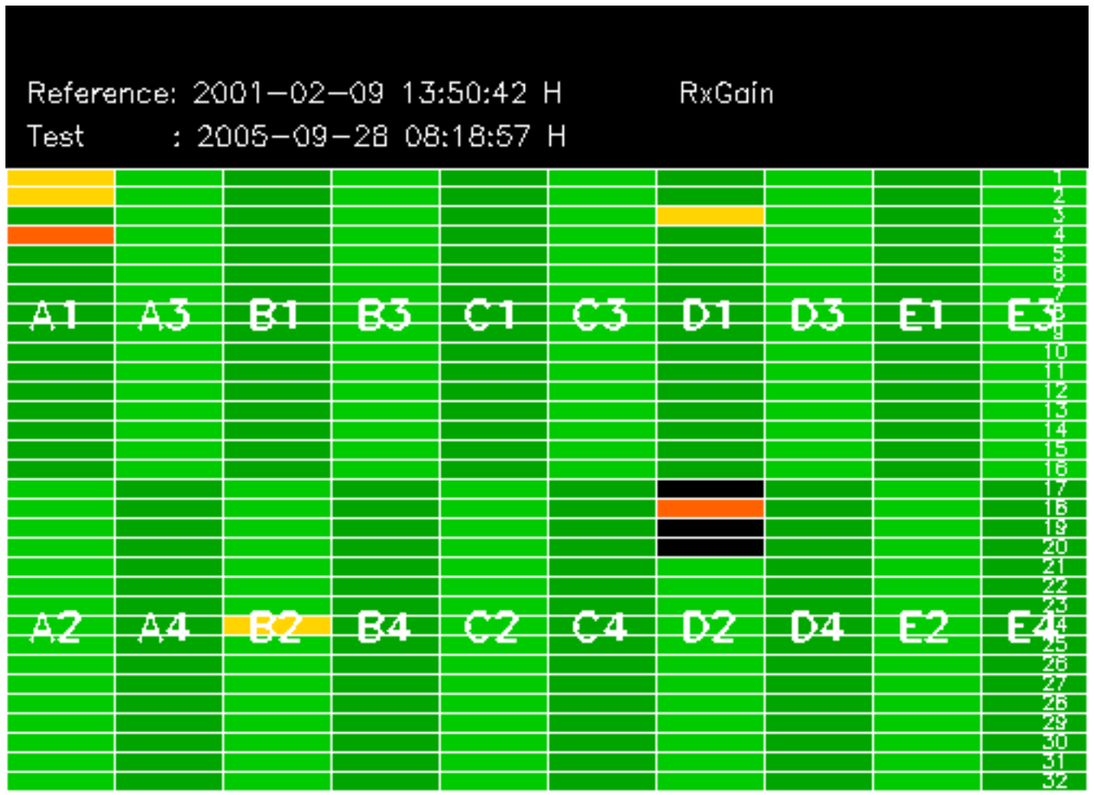

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -28.939111 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −29.332828 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −34.397954 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-09-28 08:18:57 H
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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8
9
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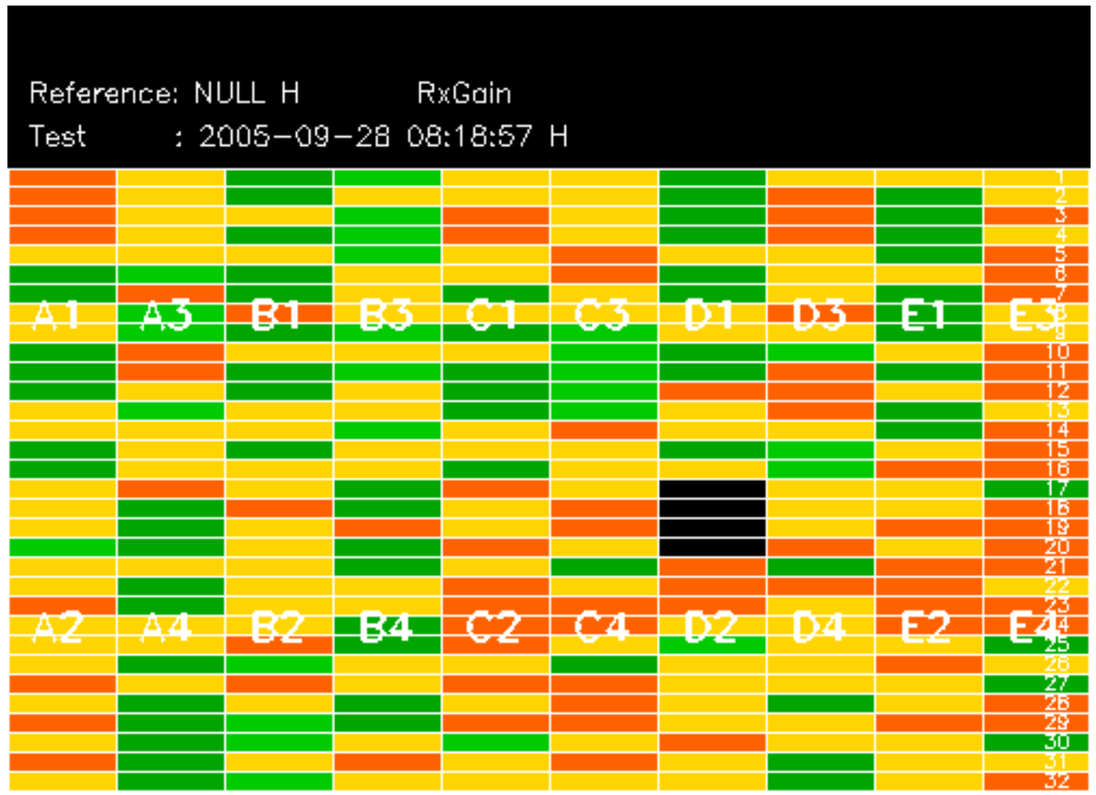
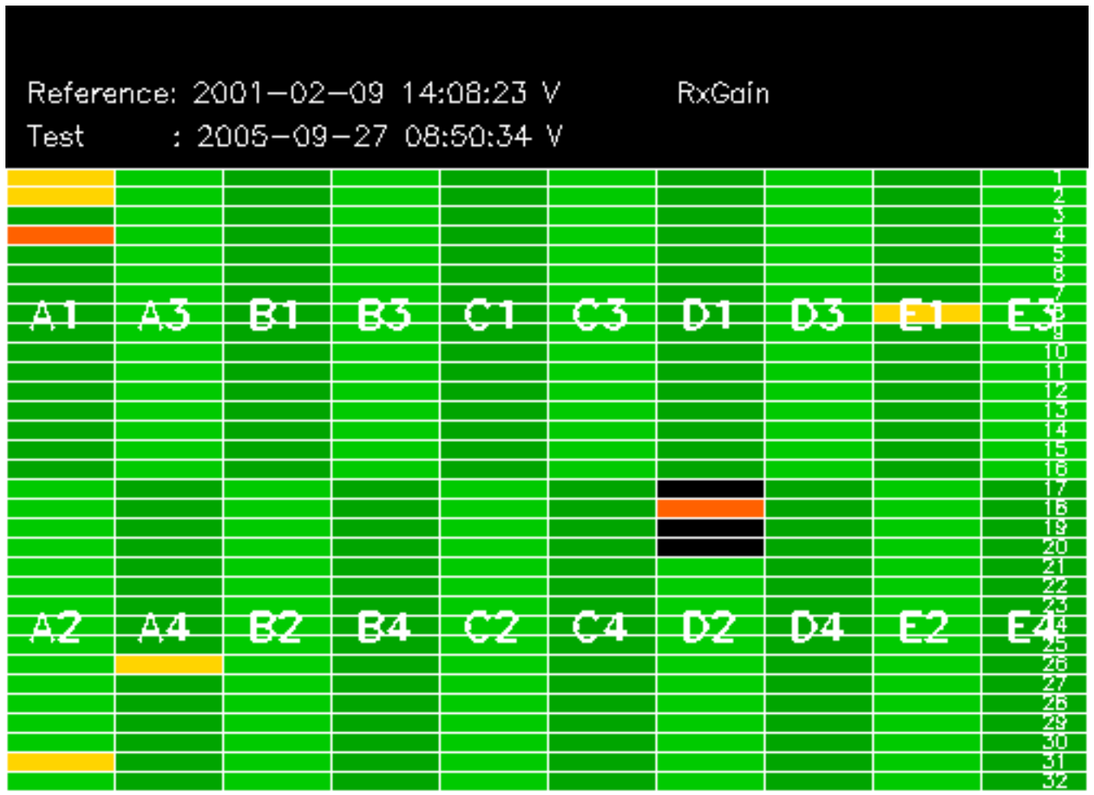

Reference: NULL H RxGain
Test : 2005-09-28 08:18:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-09-27 08:50:34 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
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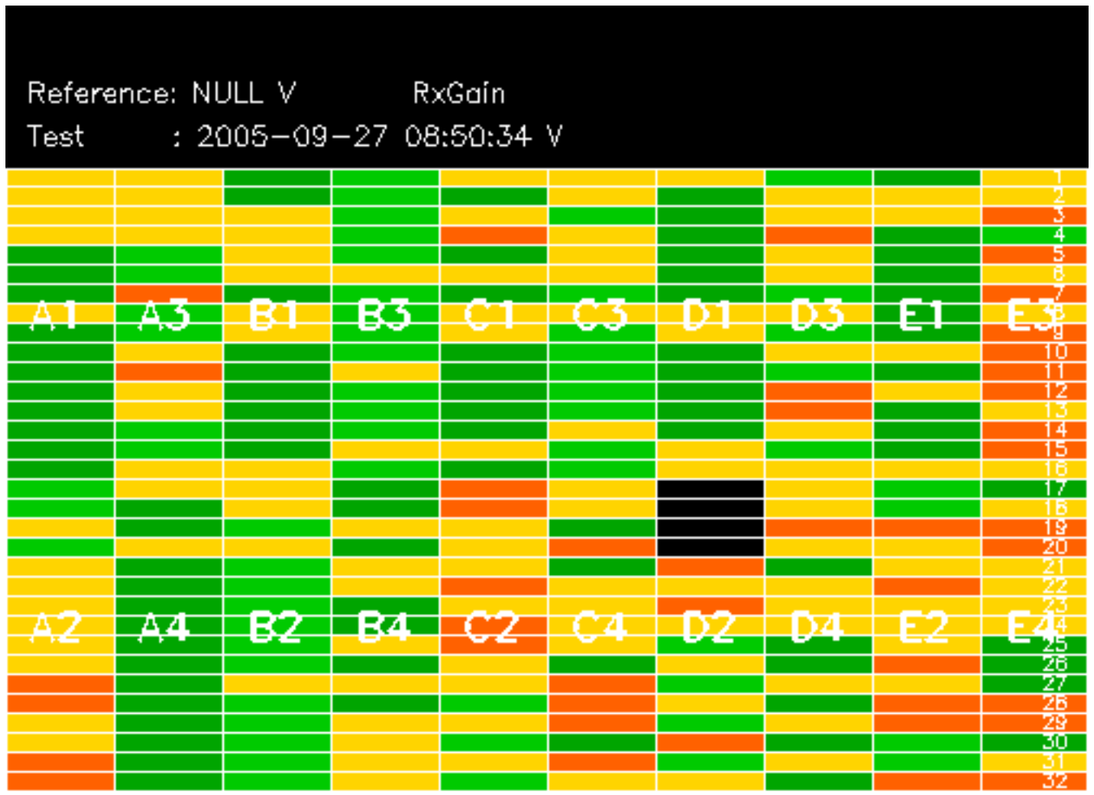
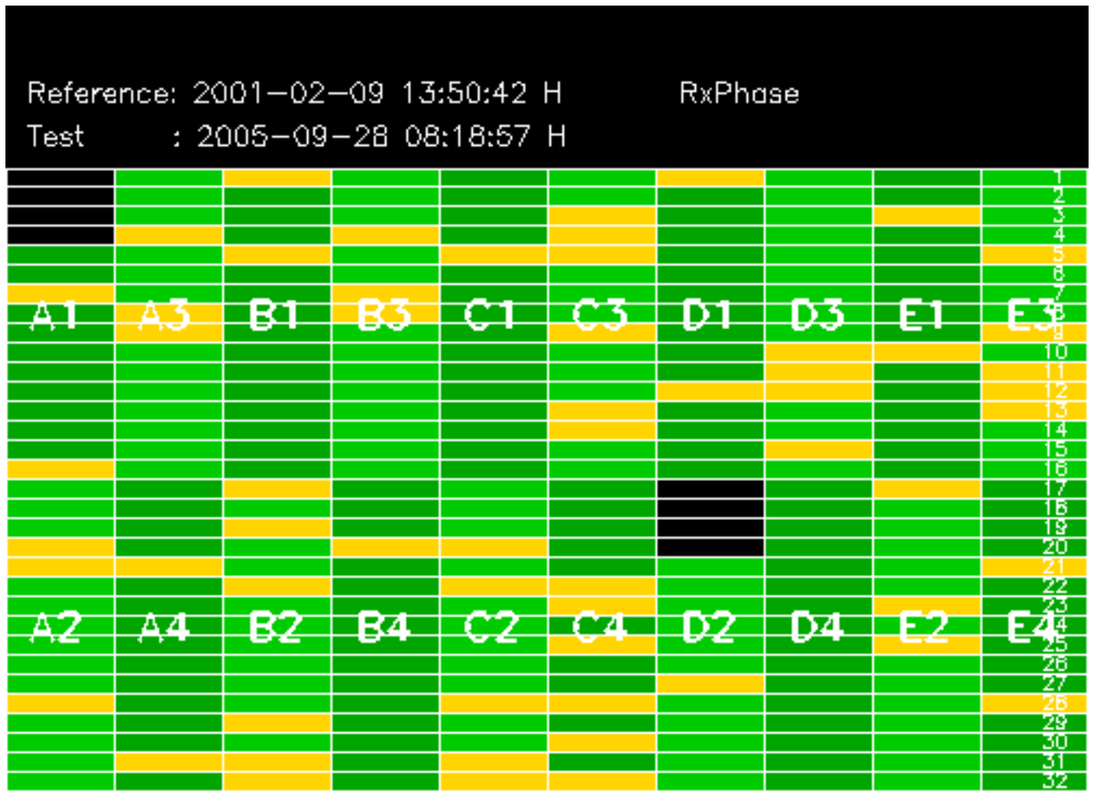
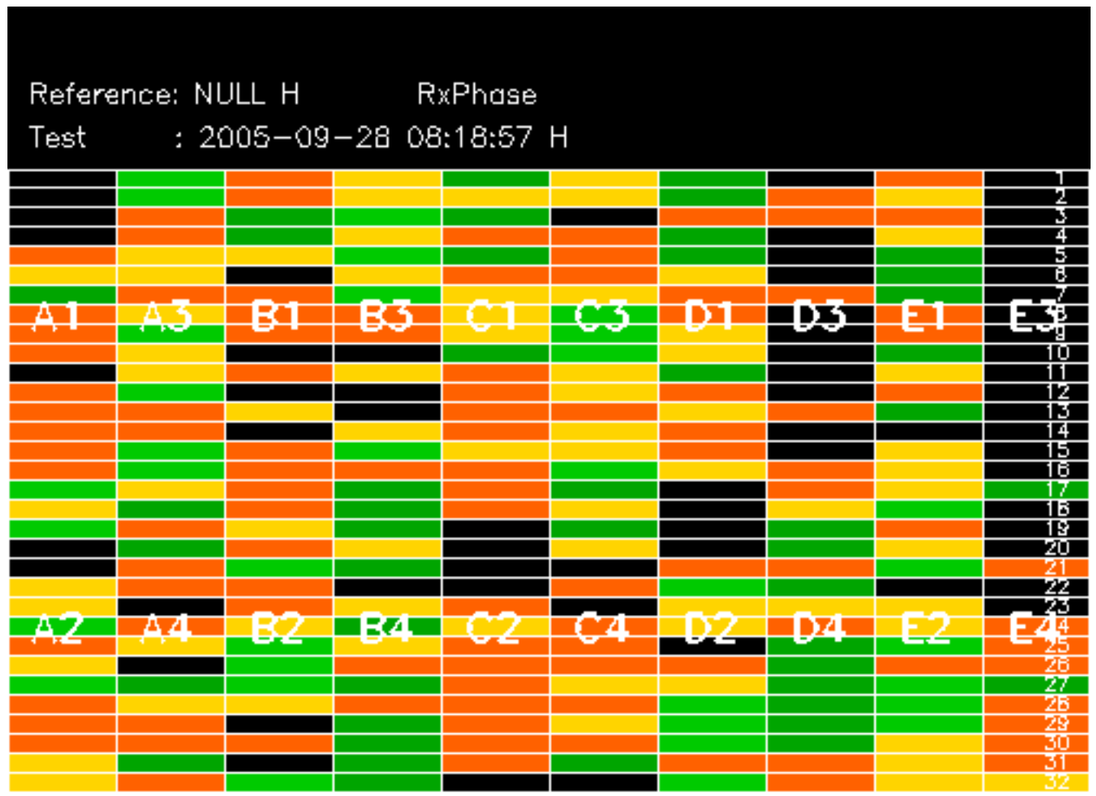
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: NULL V RxGain
Test : 2005-09-27 08:50:34 V
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 : 2005-09-28 08:18:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: NULL H RxPhase
Test : 2005-09-28 08:18:57 H
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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8
9
10
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29
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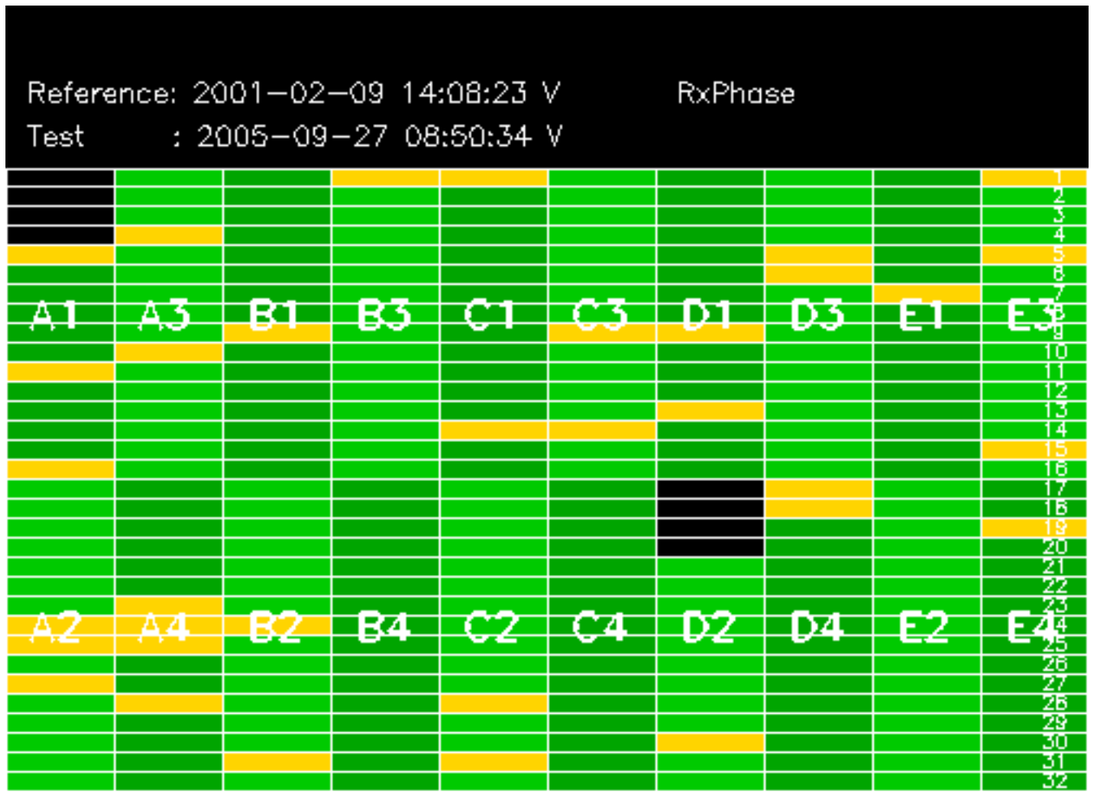
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-09-27 08:50:34 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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8
9
10
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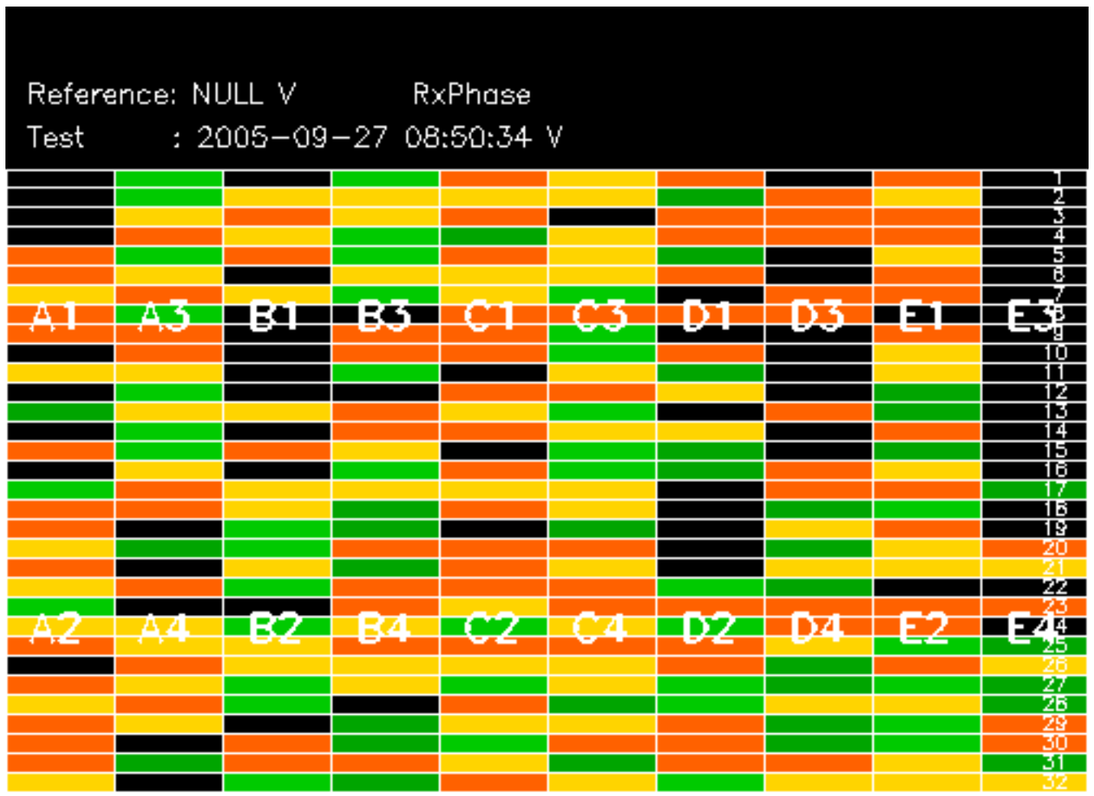
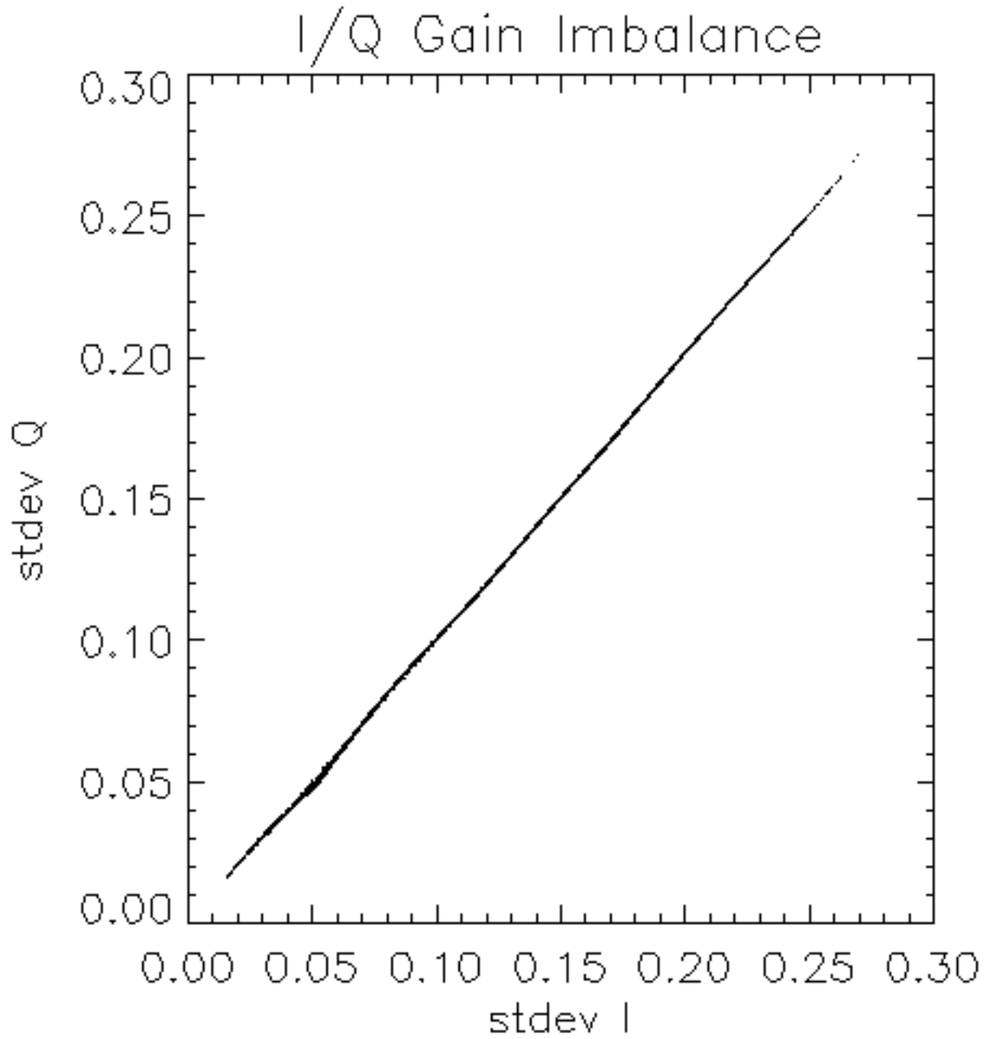
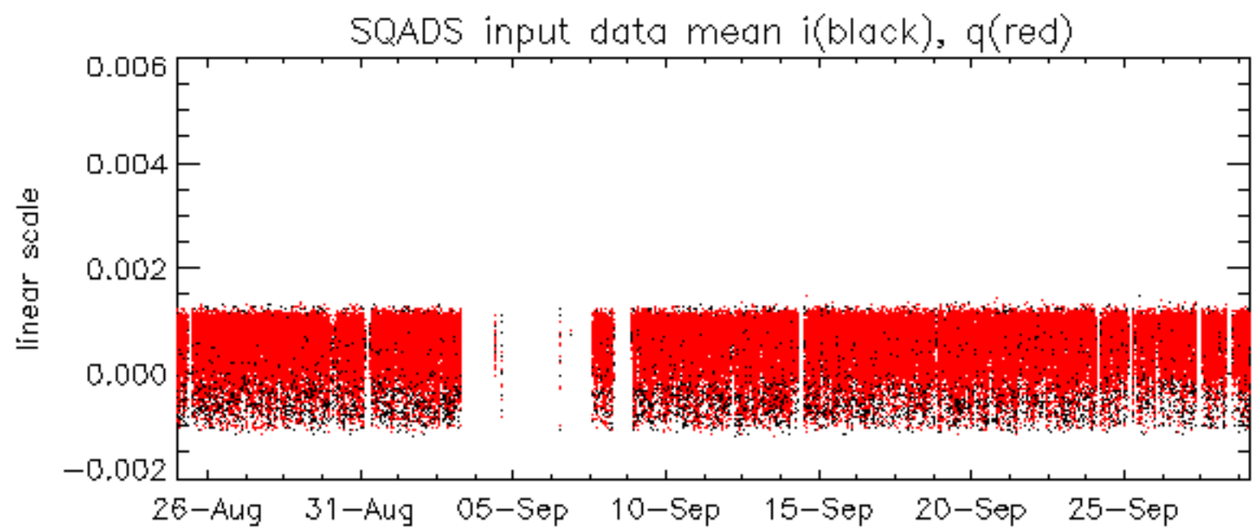
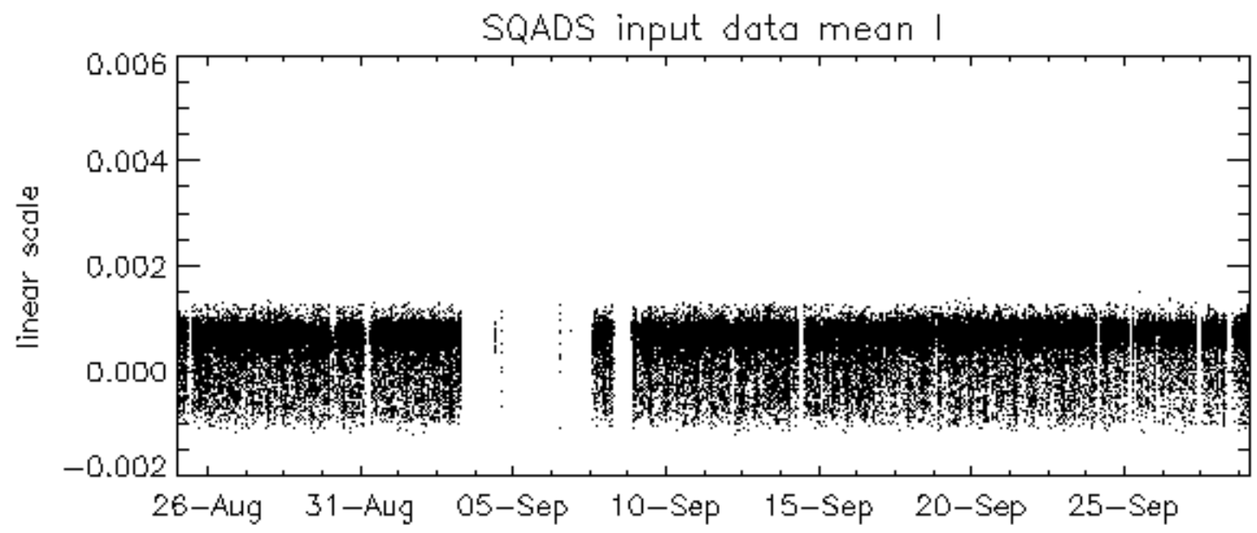
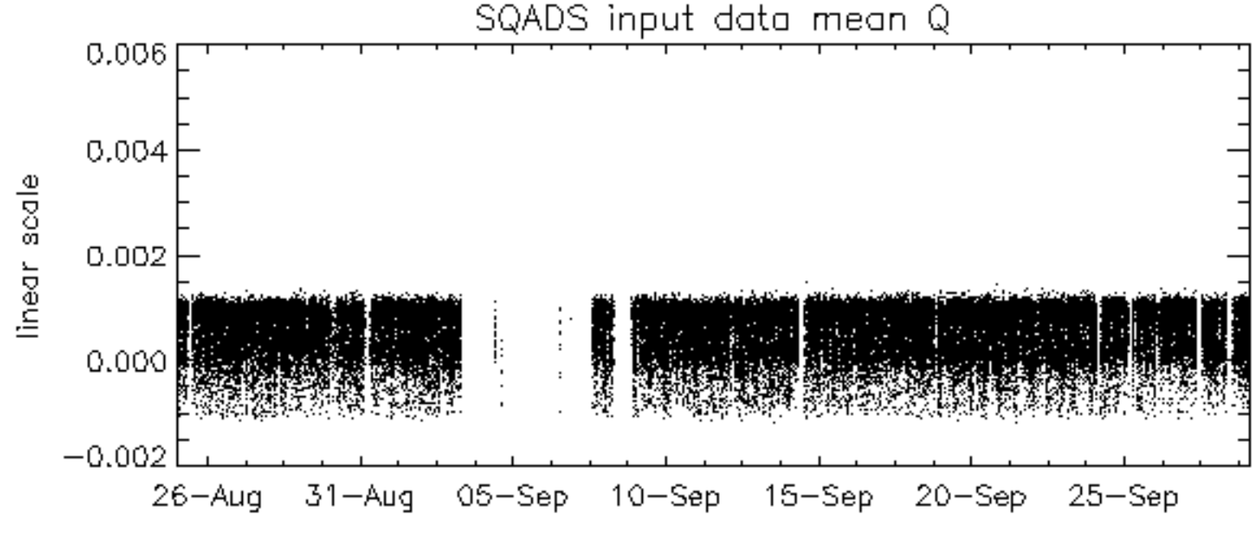
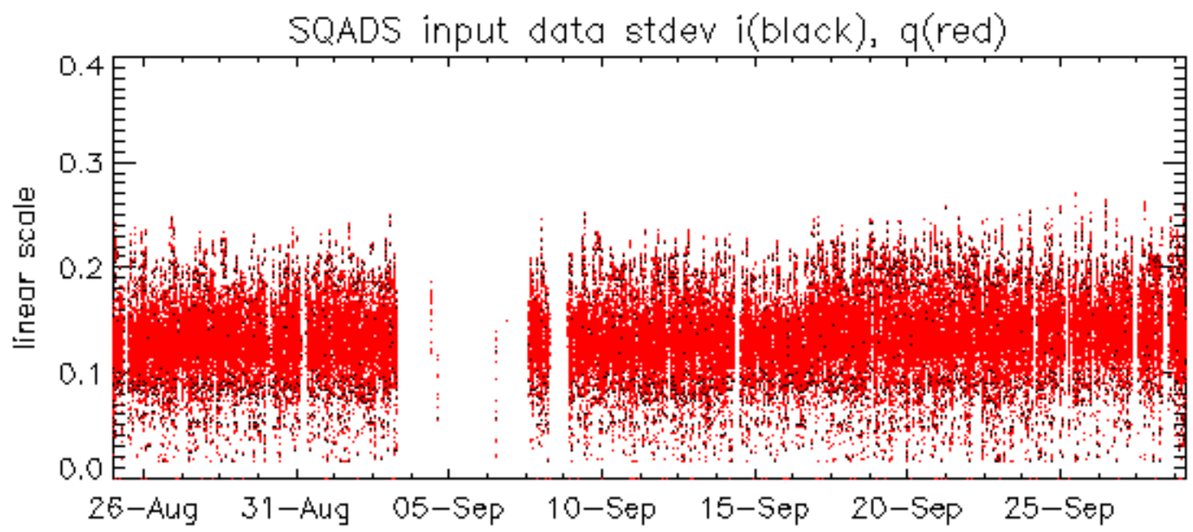

Reference: NULL V RxPhase
Test : 2005-09-27 08:50:34 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

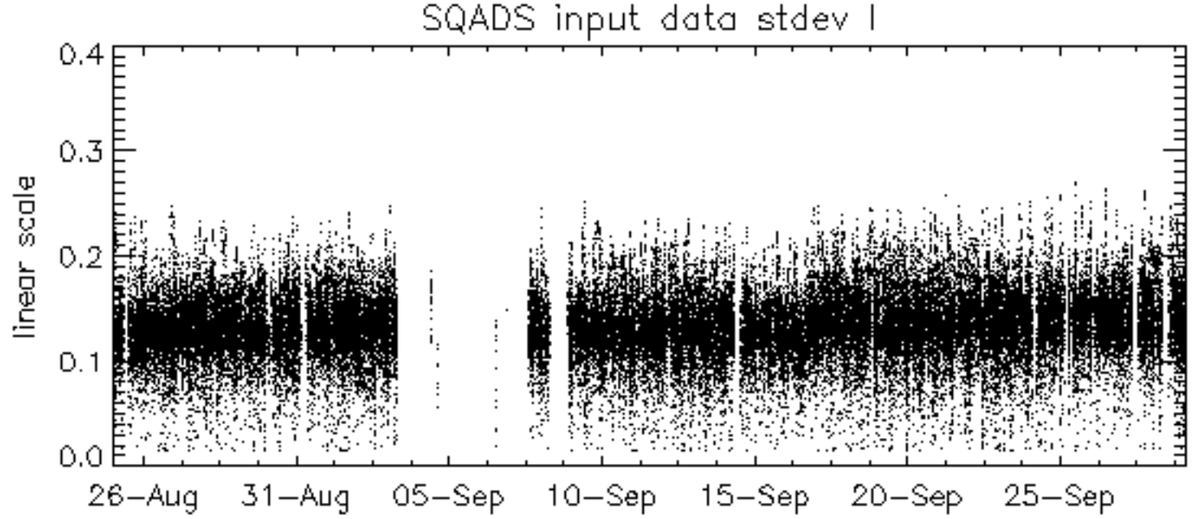

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

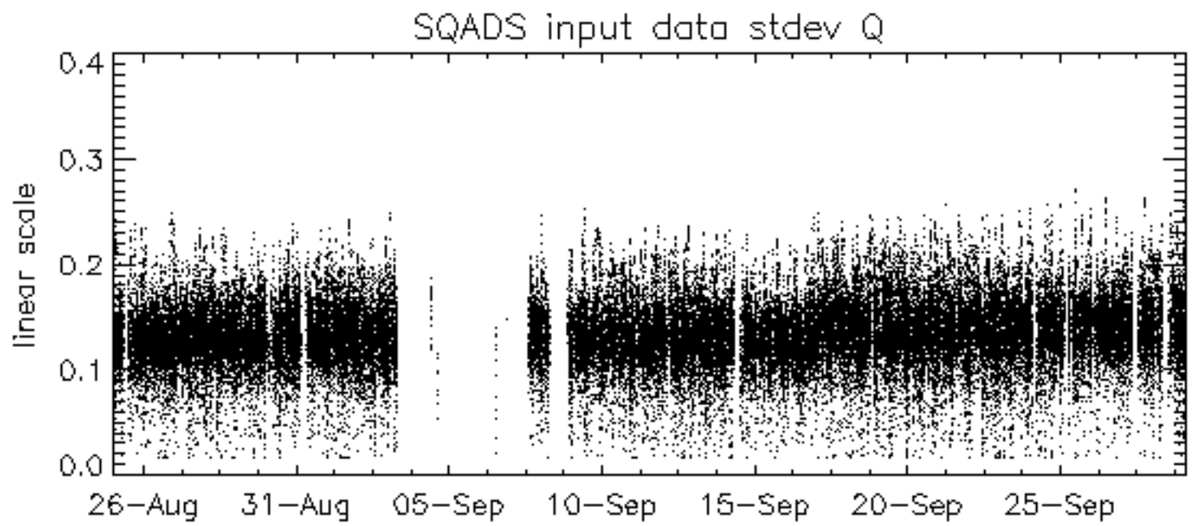

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
25−Sep

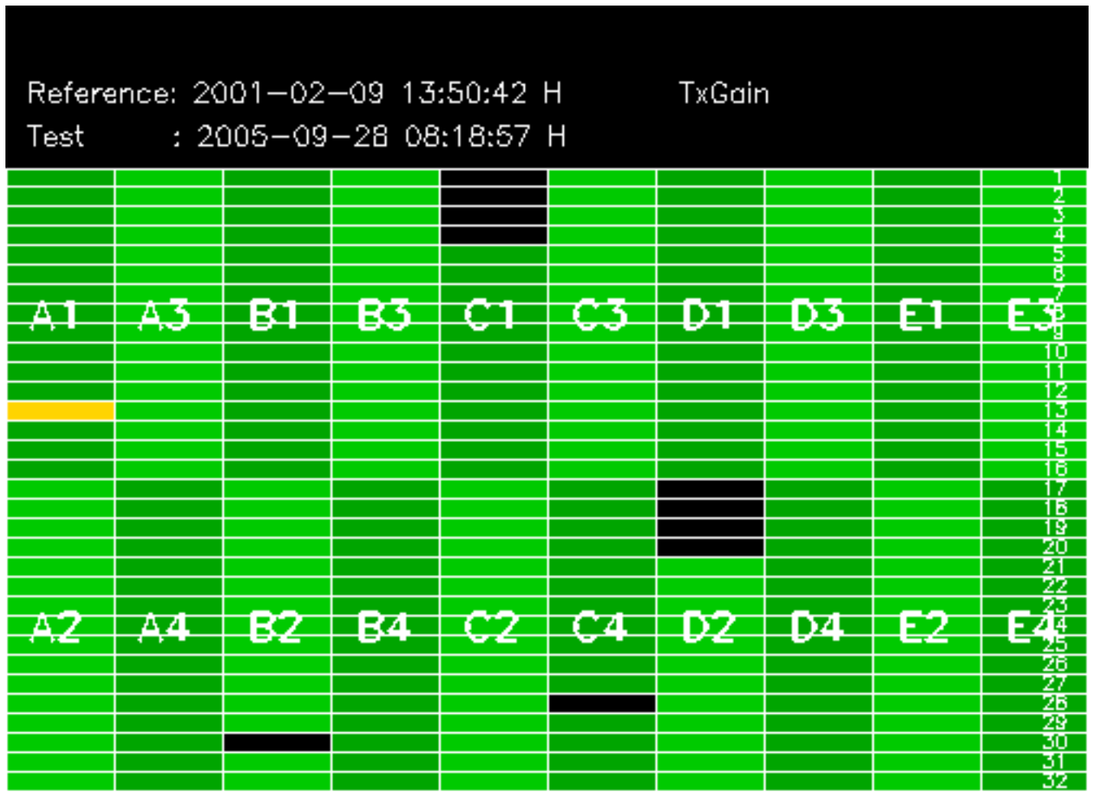

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
20−Sep
25−Sep


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-09-28 08:18:57 H
TxGain
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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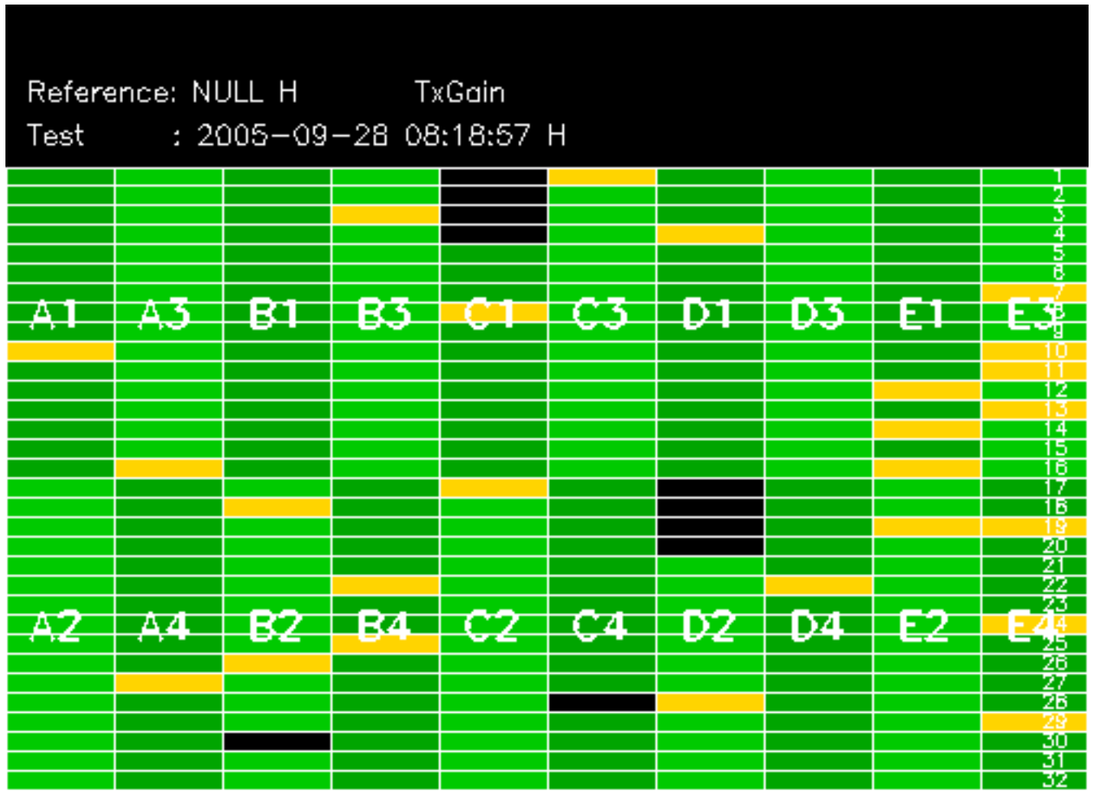
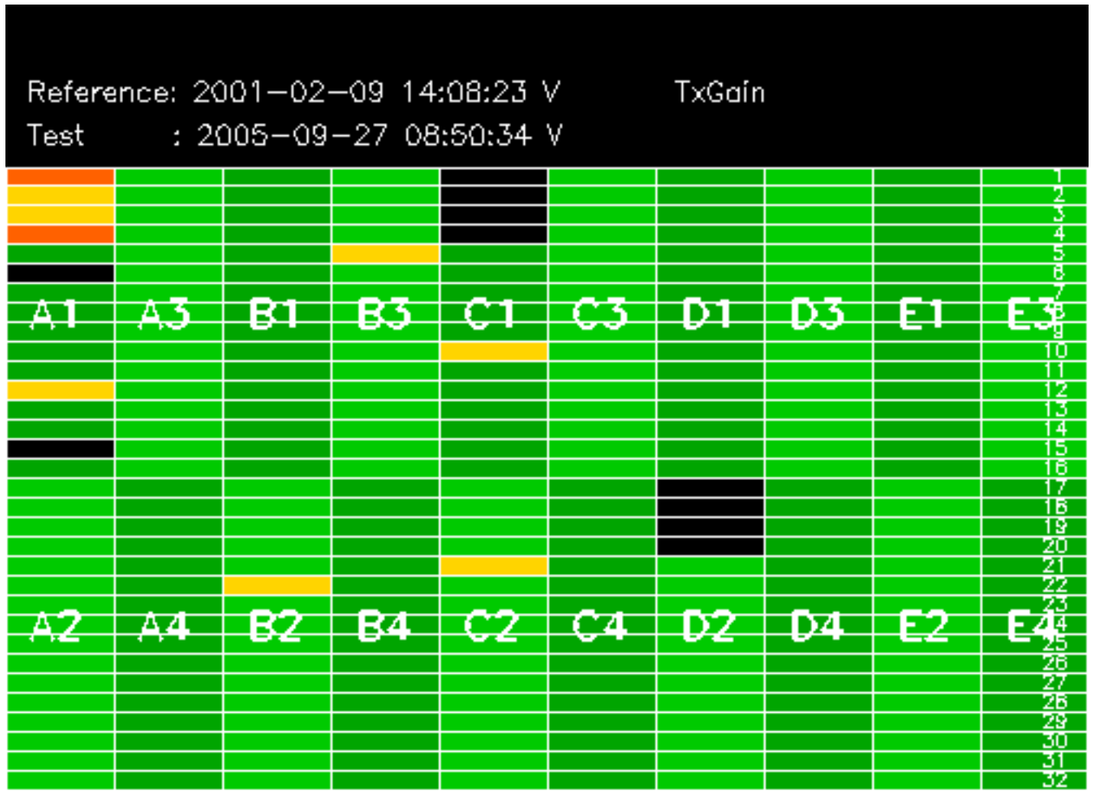
32


Reference: NULL H TxGain
Test : 2005-09-28 08:18:57 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 : 2005-09-27 08:50:34 V
TxGain
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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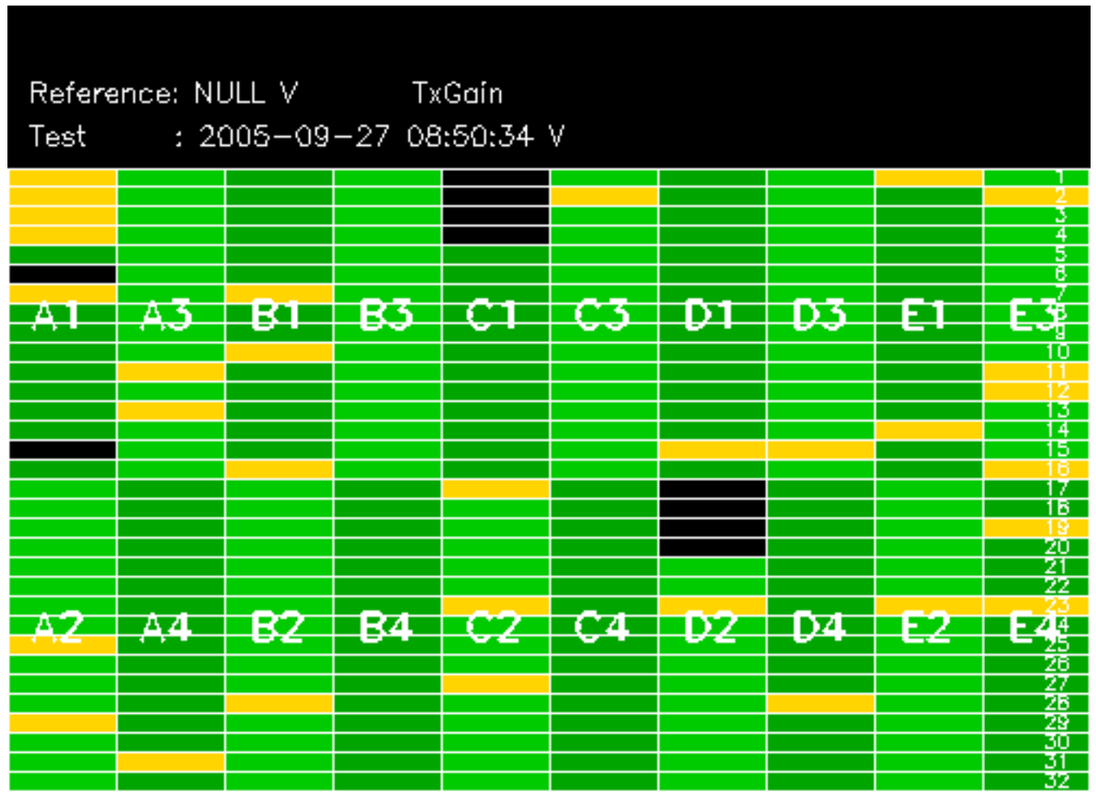
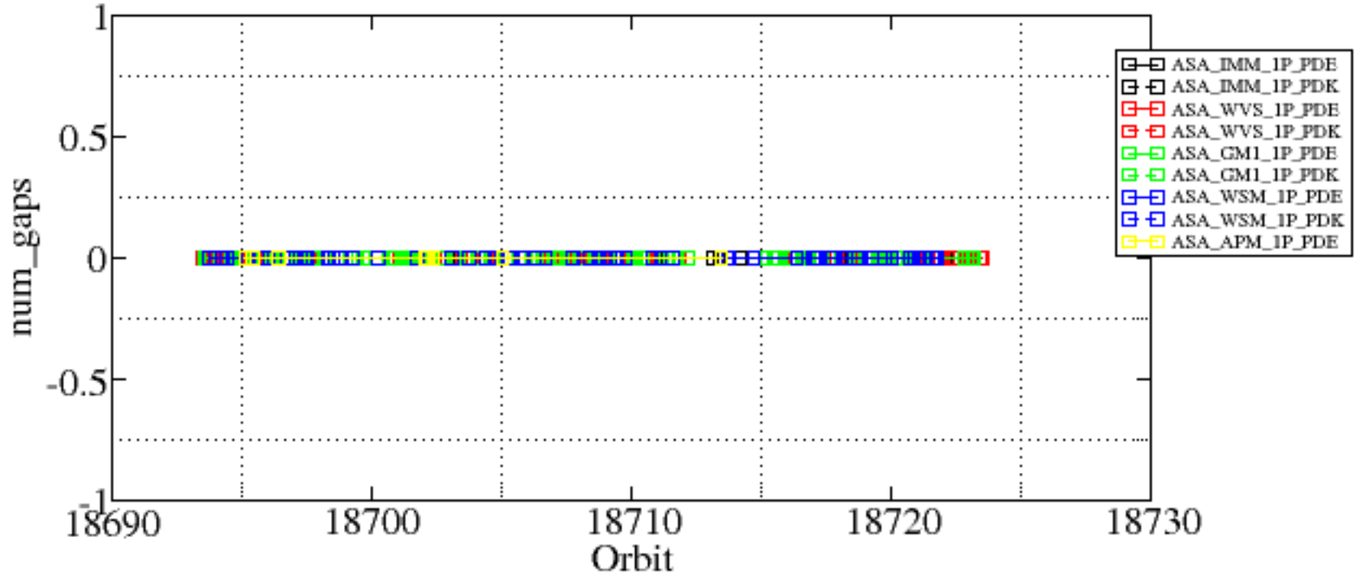
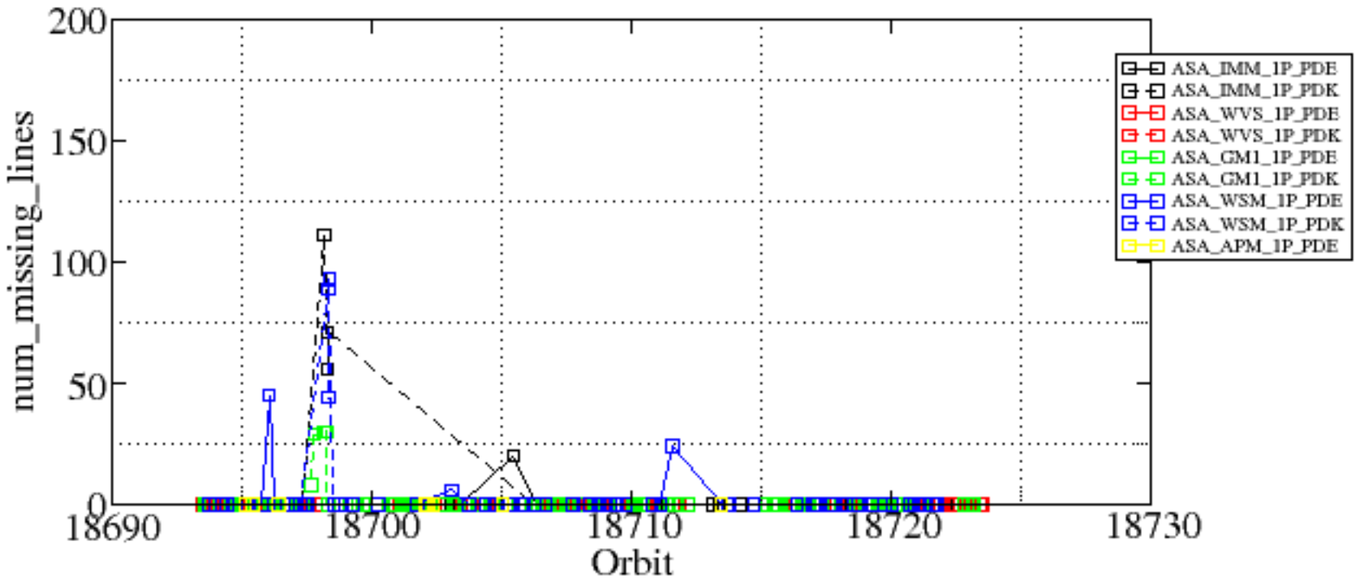
32

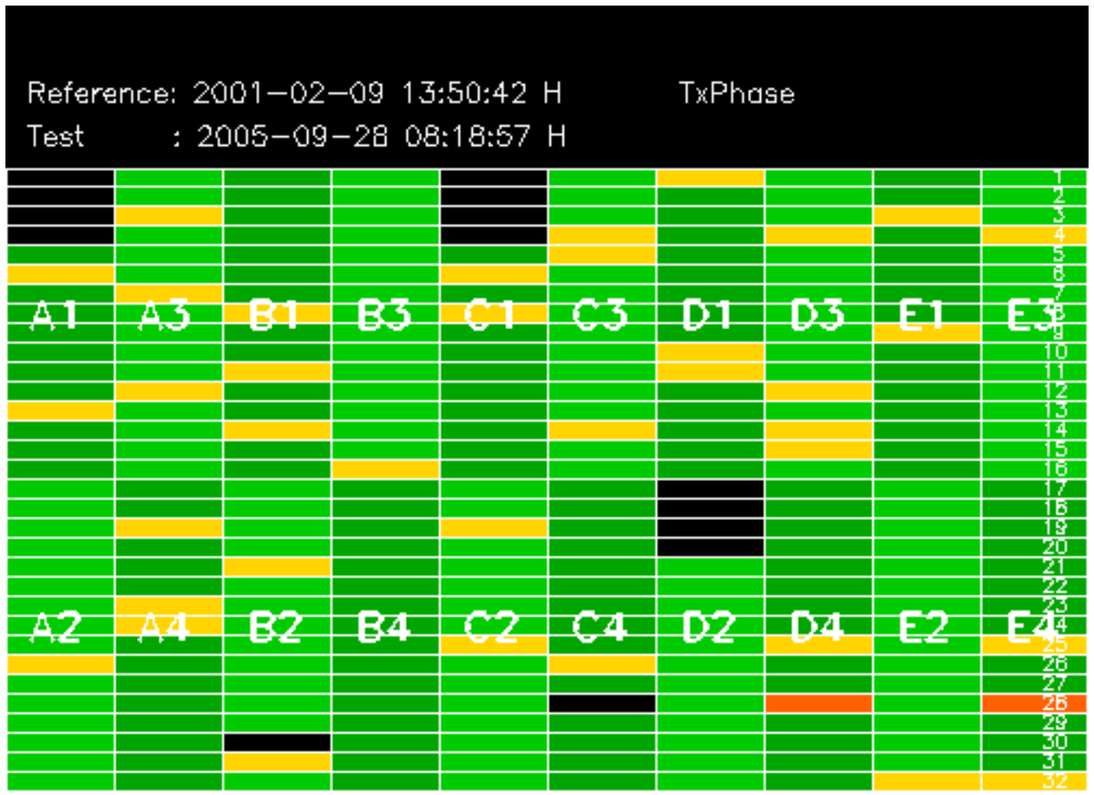

Reference: NULL V TxGain
Test : 2005-09-27 08:50:34 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

Summary of analysis for the last 3 days 2005092[789]
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_1PNPDE20050927_201157_000000522041_00114_18705_6811.N1 </td> <td>0 </td> <td>20 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050927_075833_000000682041_00107_18698_4860.N1 </td> <td>0 </td> <td>111 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050927_081402_000000212041_00107_18698_4855.N1 </td> <td>0 </td> <td>56 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050927_081423_000000162041_00107_18698_4910.N1 </td> <td>0 </td> <td>71 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050927_070836_000005792041_00106_18697_6635.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050927_072000_000004532041_00106_18697_6640.N1 </td> <td>0 </td> <td>29 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050927_075957_000005012041_00107_18698_6639.N1 </td> <td>0 </td> <td>30 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050927_081001_000001262041_00107_18698_6643.N1 </td> <td>0 </td> <td>30 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050927_042619_000003042041_00105_18696_0855.N1 </td> <td>0 </td> <td>45 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050927_161253_000000852041_00112_18703_0924.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050928_062907_000001402041_00120_18711_1053.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20050927_081451_000000672041_00107_18698_5170.N1 </td> <td>0 </td> <td>89 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20050927_081659_000000552041_00107_18698_5171.N1 </td> <td>0 </td> <td>44 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20050927_081855_000000552041_00107_18698_5172.N1 </td> <td>0 </td> <td>93 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
18690
18700
18710
18720
18730
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


num_missing_lines
200
150
100
50
0
18690
18700
18710
18720
18730
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


Reference: 2001-02-09 13:50:42 H
Test : 2005-09-28 08:18:57 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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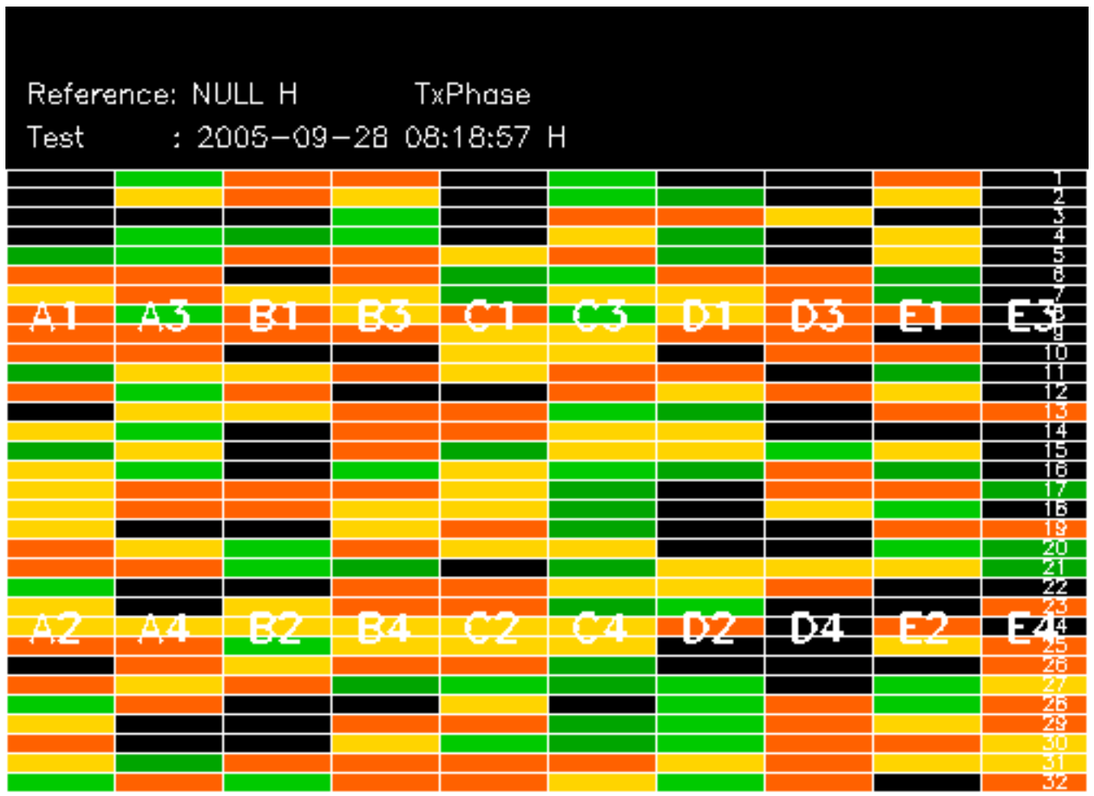
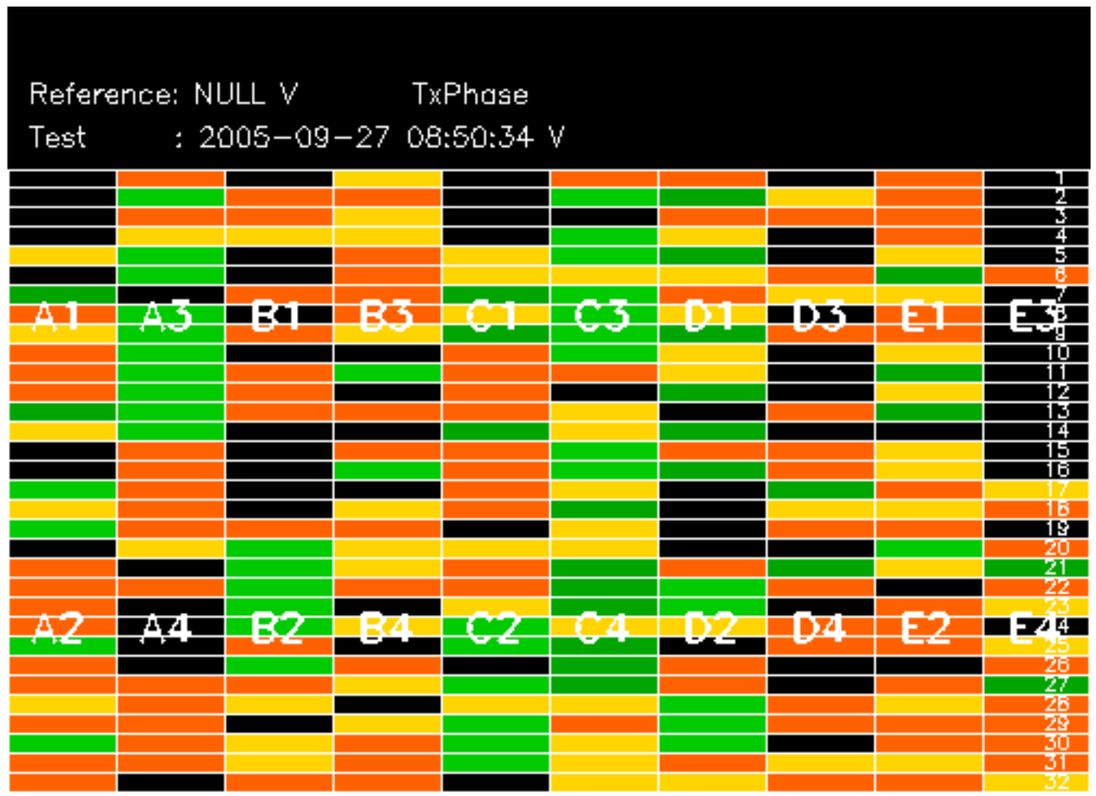
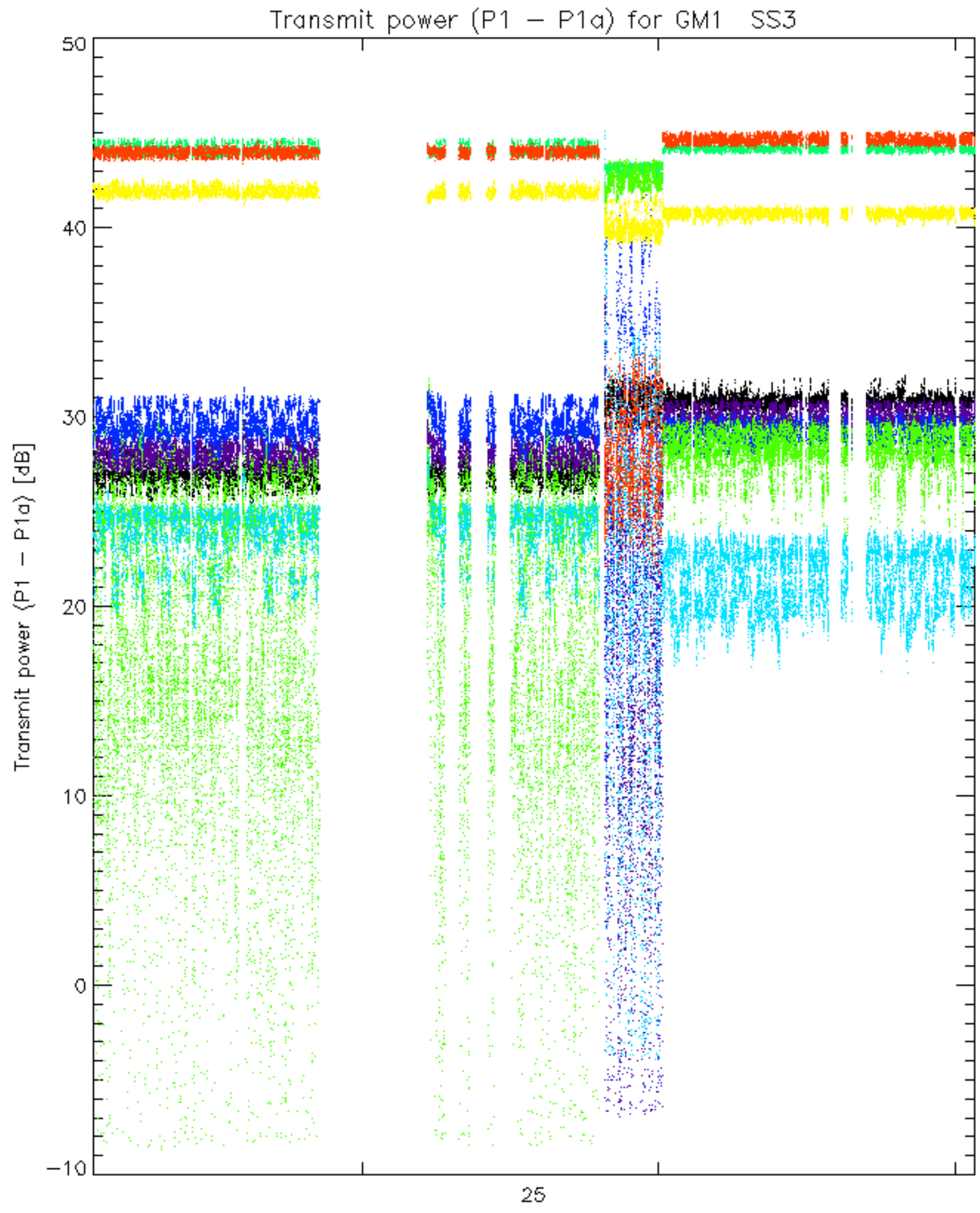
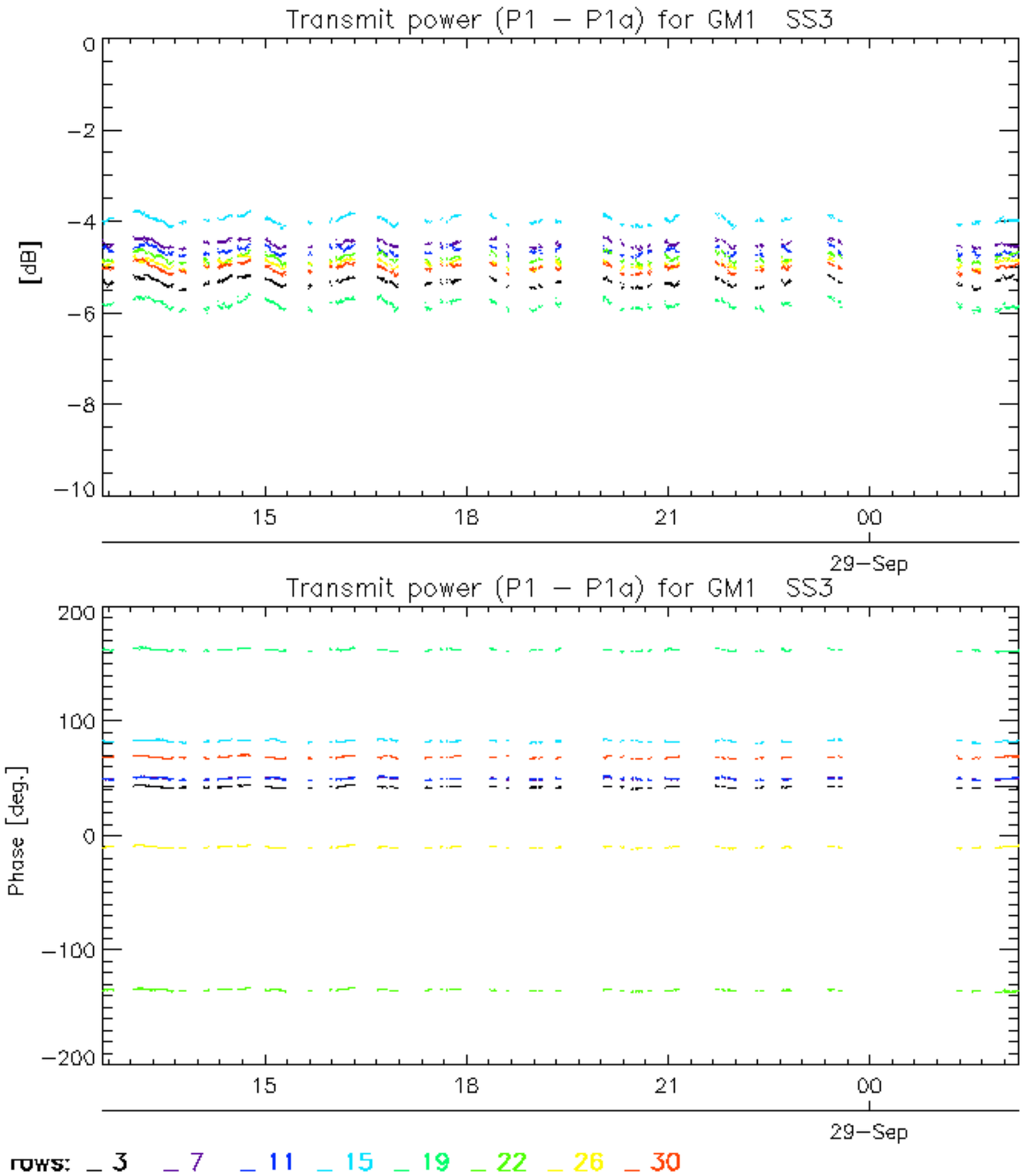
32

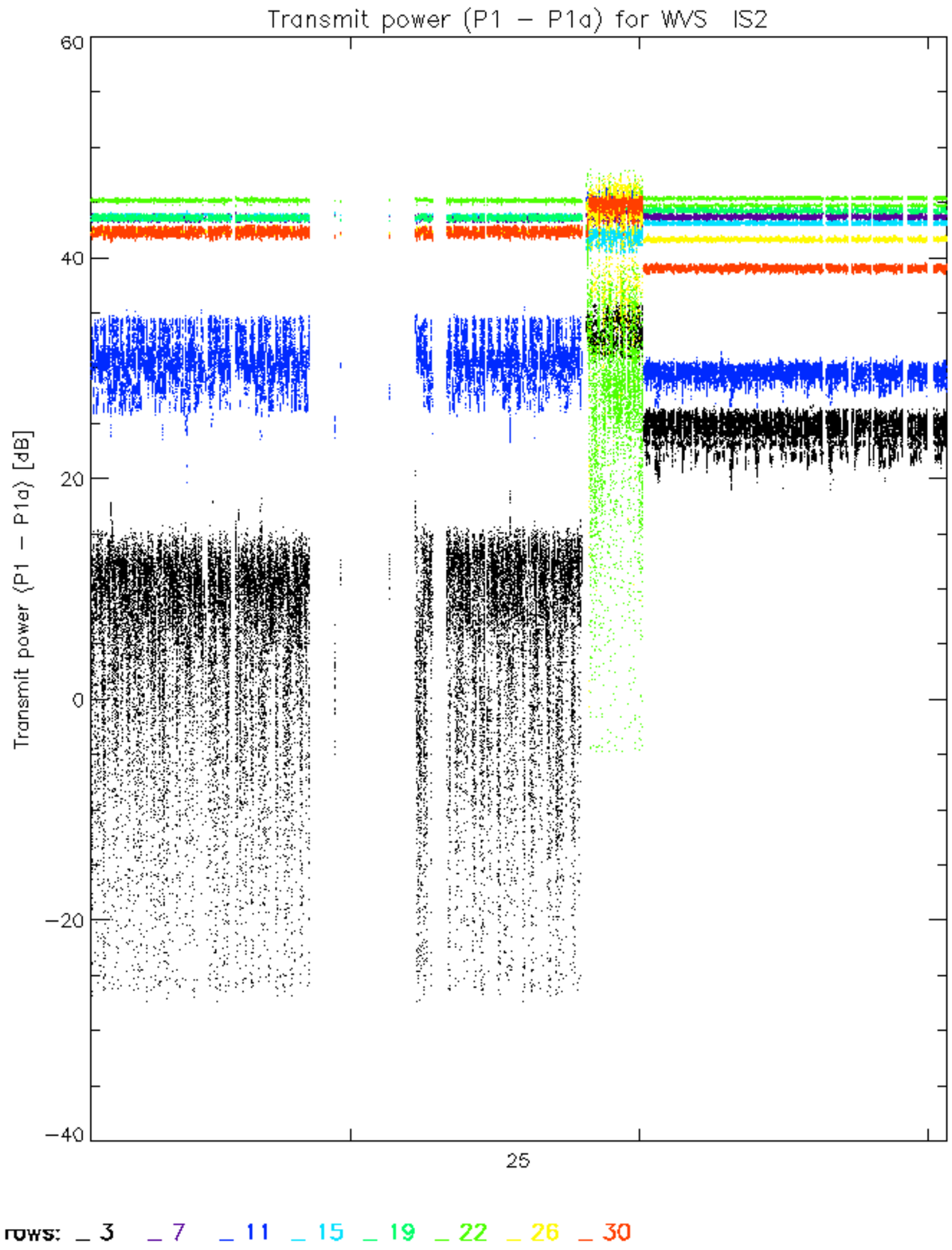

Reference: NULL H TxPhase
Test : 2005-09-28 08:18:57 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

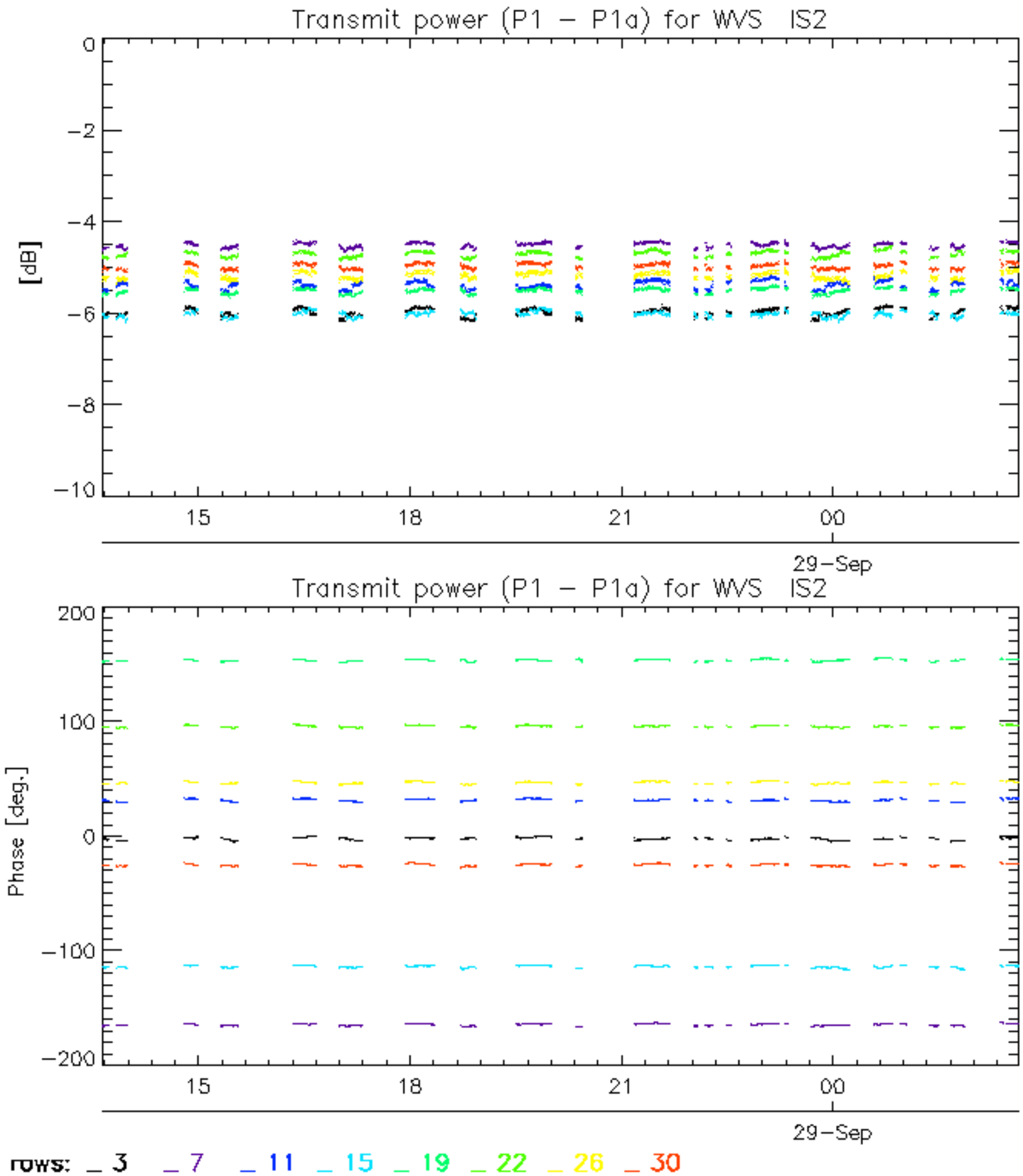

Reference: 2001-02-09 14:08:23 V
Test : 2005-09-27 08:50:34 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: NULL V TxPhase
Test : 2005-09-27 08:50:34 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
25
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 − P1a) for WVS IS2
Transmit power (P1 − P1a) [dB]
60
40
20
0
−20
−40
25
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.