PRELIMINARY REPORT OF 050916

last update on Fri Sep 16 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 2005-09-15 00:00:00 to 2005-09-16 10:50:01

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	24	47	17	4	25
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	24	47	17	4	25
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	24	47	17	4	25
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	24	47	17	4	25

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	37	56	22	13	45
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	37	56	22	13	45
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	37	56	22	13	45
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	37	56	22	13	45

2.3 - Browse Visual Inspection

Preliminary report. Browse are not yet controled

2.4 - Data Analysis

Preliminary report.The data is not yet controled

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20050915 100810
H	20050914 222358

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	-3.344874	0.066425	-0.331954
7	P1	-3.189486	0.011892	-0.080223
11	P1	-4.751527	0.034635	-0.118662
15	P1	-5.654125	0.052879	-0.154952
19	P1	-3.726815	0.149912	0.503576
22	P1	-4.625578	0.013496	-0.047710
26	P1	-4.846031	0.028742	-0.116323
30	P1	-7.155158	0.236104	0.593260
3	P1	-15.833136	1.450887	-1.580833
7	P1	-16.110416	4.338163	-2.868620
11	P1	-22.185266	2.474068	-2.038584
15	P1	-12.083743	9.157744	-4.122315
19	P1	-14.436249	0.178222	0.488333
22	P1	-16.568874	19.862684	-5.892315
26	P1	-18.212767	16.479034	-5.435071
30	P1	-18.486423	5.960665	-3.415094

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.716955	0.091331	0.014532
7	P2	-21.916460	0.185588	-0.356809
11	P2	-13.630910	1.005028	-1.181206
15	P2	-7.070735	0.116380	-0.206869
19	P2	-9.492607	0.203233	0.446116
22	P2	-16.810278	0.107010	-0.076628
26	P2	-16.499735	0.104340	-0.014386
30	P2	-18.870569	0.163923	-0.384453

P3 Cyclic statistics

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

3	P3	-8.156132	0.004167	-0.015867
7	P3	-8.156132	0.004167	-0.015867
11	P3	-8.156132	0.004167	-0.015867
15	P3	-8.156132	0.004167	-0.015867
19	P3	-8.156132	0.004167	-0.015867
22	P3	-8.156132	0.004167	-0.015867
26	P3	-8.156137	0.004167	-0.015852
30	P3	-8.156137	0.004167	-0.015852

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	-2.729718	0.043093	0.247430
7	P1	-3.005052	0.071183	-0.265975
11	P1	-4.035695	0.029453	0.026540
15	P1	-3.637052	0.025331	-0.033909
19	P1	-3.570423	0.070327	0.346780
22	P1	-5.614377	0.187650	0.568297
26	P1	-7.158445	0.590483	1.110743
30	P1	-6.133928	0.392830	0.847713
3	P1	-11.132559	0.455669	-0.995816
7	P1	-11.548604	15.963998	-5.753558
11	P1	-14.020895	26.270620	-7.460171
15	P1	-12.991098	25.731133	-7.287965
19	P1	-15.359571	0.183138	0.544572
22	P1	-25.226984	2.172588	0.729328
26	P1	-15.738152	5.325607	-3.174660
30	P1	-20.247665	1.803844	-0.910955

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.414623	0.049690	0.046338
7	P2	-22.045944	0.131480	-0.405306
11	P2	-9.585907	0.352245	-0.657153
15	P2	-5.070934	0.036465	0.001604
19	P2	-6.767373	0.115442	0.376438
22	P2	-7.027398	0.045336	-0.060561
26	P2	-23.952520	0.035609	-0.036799
30	P2	-21.967743	0.071362	-0.253182

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.000625	0.004117	-0.011014
7	P3	-8.000642	0.004129	-0.010978
11	P3	-8.000550	0.004112	-0.010849
15	P3	-8.000525	0.004127	-0.010882
19	P3	-8.000667	0.004112	-0.011213
22	P3	-8.000499	0.004117	-0.010948
26	P3	-8.000523	0.004127	-0.011571
30	P3	-8.000475	0.004126	-0.011353

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

☒

4.3.2 - Evolution for GM1

☒

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000457685
	stdev	2.17351e-07
MEAN Q	mean	0.000490307
	stdev	2.28633e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.128246
	stdev	0.000968519
STDEV Q	mean	0.128495
	stdev	0.000978366

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005091[456]
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_1PNPDE20050916_004346_000001222040_00446_18536_5720.N1	1	0
ASA_IMM_1PNPDK20050915_092744_000000132040_00437_18527_4038.N1	0	96
ASA_IMM_1PNPDK20050915_092757_000000222040_00437_18527_4093.N1	0	162
ASA_IMM_1PNPDK20050915_092929_000000192040_00437_18527_4037.N1	0	112
ASA_IMM_1PNPDK20050915_093616_000000622040_00437_18527_4035.N1	0	17
ASA_GM1_1PNPDK20050915_074128_000005072040_00436_18526_5453.N1	0	14
ASA_GM1_1PNPDK20050915_080751_000005732040_00436_18526_5450.N1	0	197
ASA_GM1_1PNPDK20050915_081727_000001142040_00436_18526_5525.N1	0	41
ASA_GM1_1PNPDK20050915_082612_000011352040_00436_18526_5449.N1	0	286

ASA_GM1_1PNPDK20050915_091833_000005192040_00437_18527_5451.N1	0	120
ASA_GM1_1PNPDK20050915_150835_000011362040_00440_18530_5490.N1	0	7
ASA_WSM_1PNPDE20050914_225857_000003002040_00431_18521_8744.N1	0	65
ASA_WSM_1PNPDE20050915_012427_000004282040_00432_18522_8770.N1	0	16
ASA_WSM_1PNPDE20050916_005515_000002792040_00446_18536_8936.N1	0	46
ASA_WSM_1PNPDK20050915_122838_000003972040_00439_18529_4159.N1	0	21

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

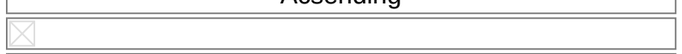
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

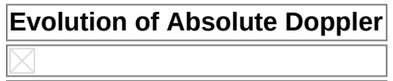
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

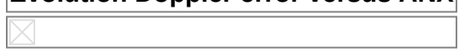
Acsending

Descending

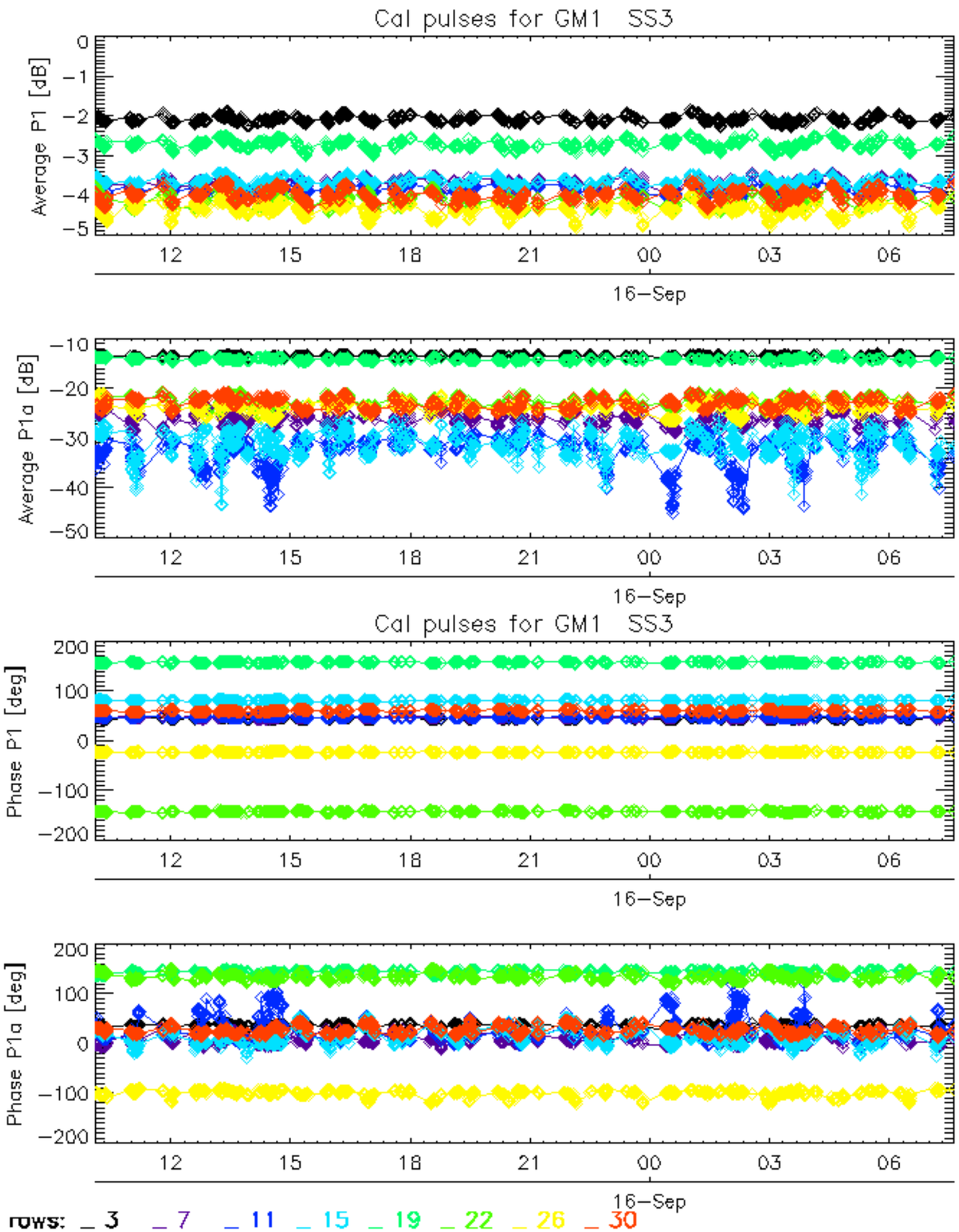
7.5 - Absolute Doppler for GM1

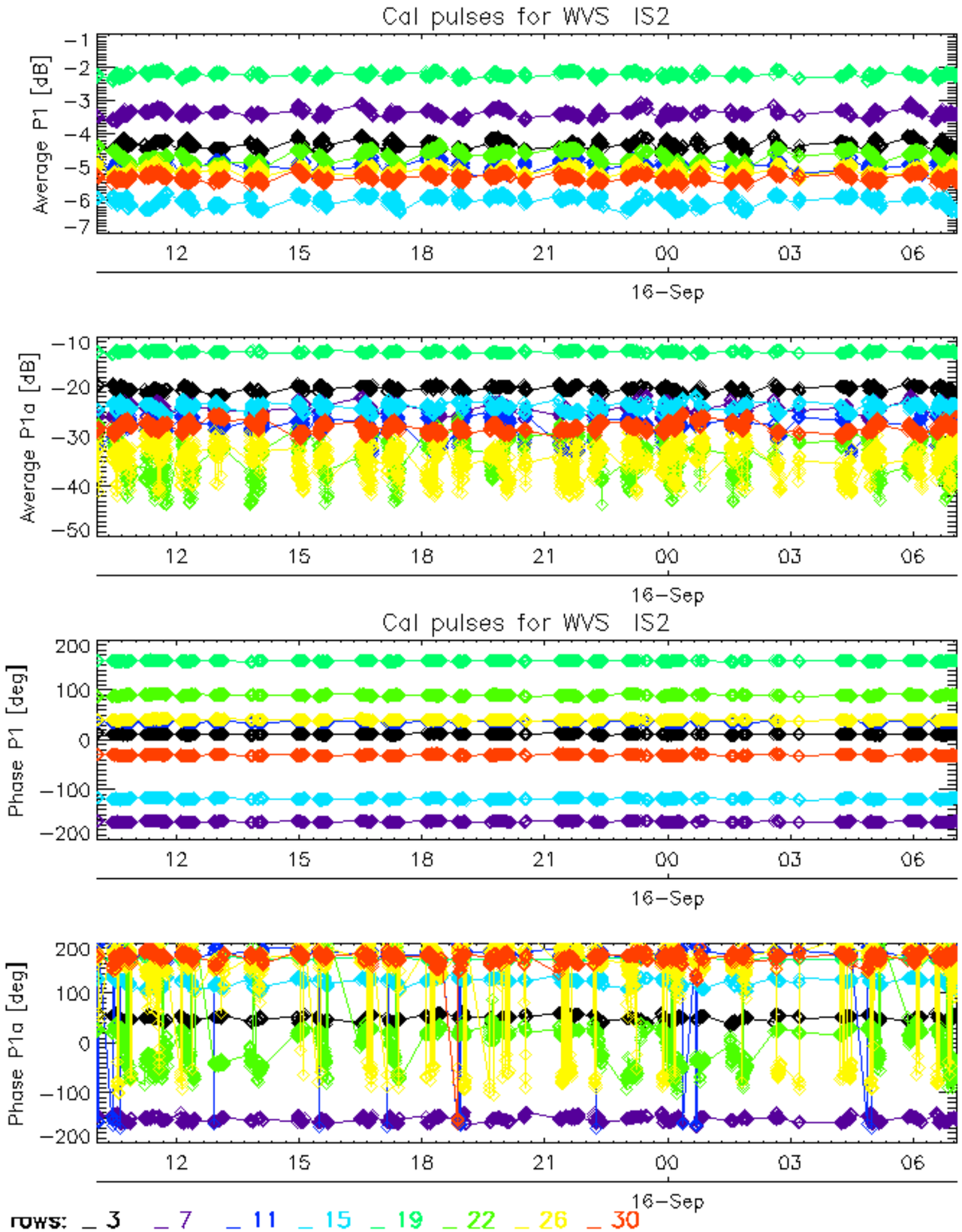
Evolution of Absolute Doppler

Acsending

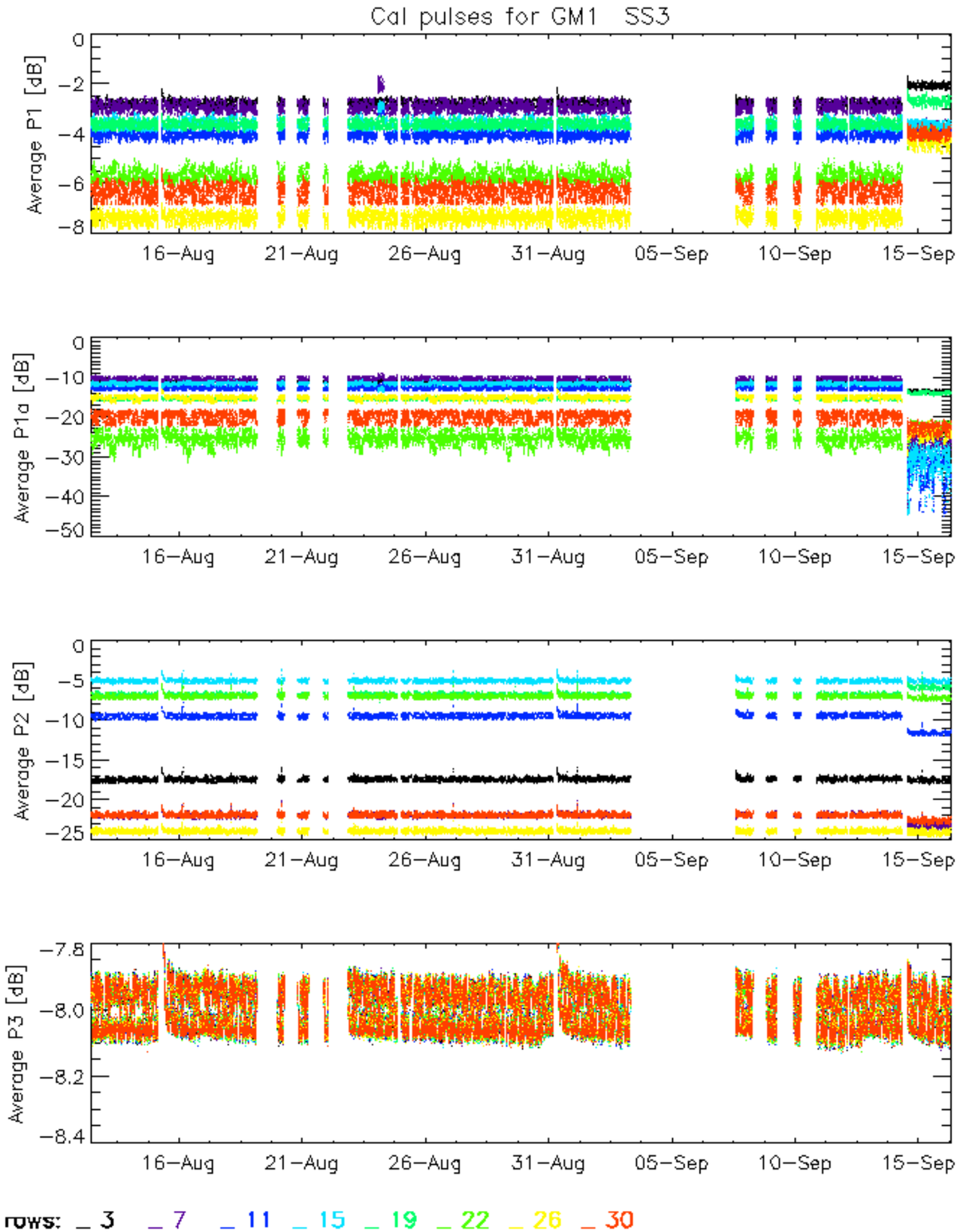
Descending

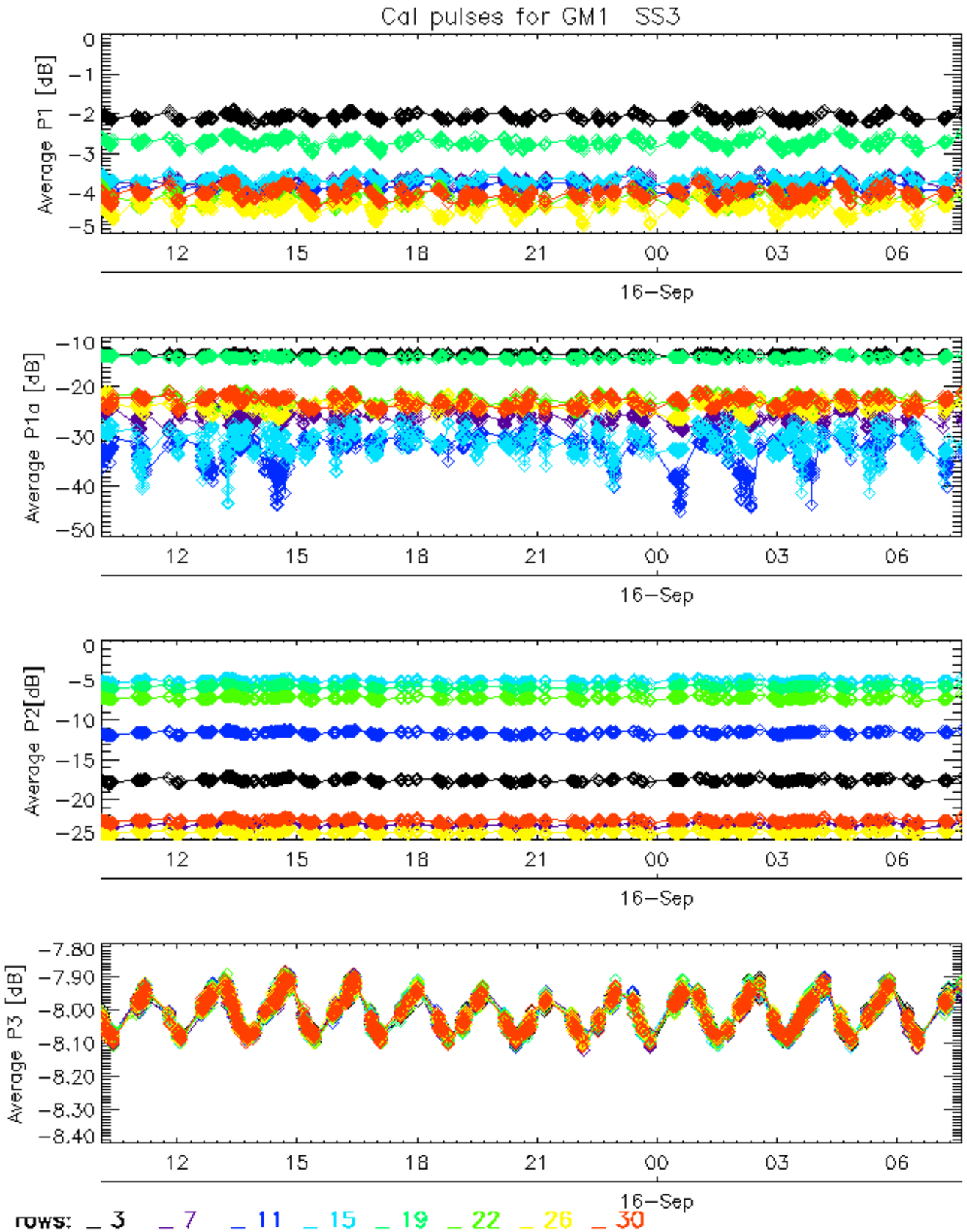
7.6 - Doppler evolution versus ANX for GM1

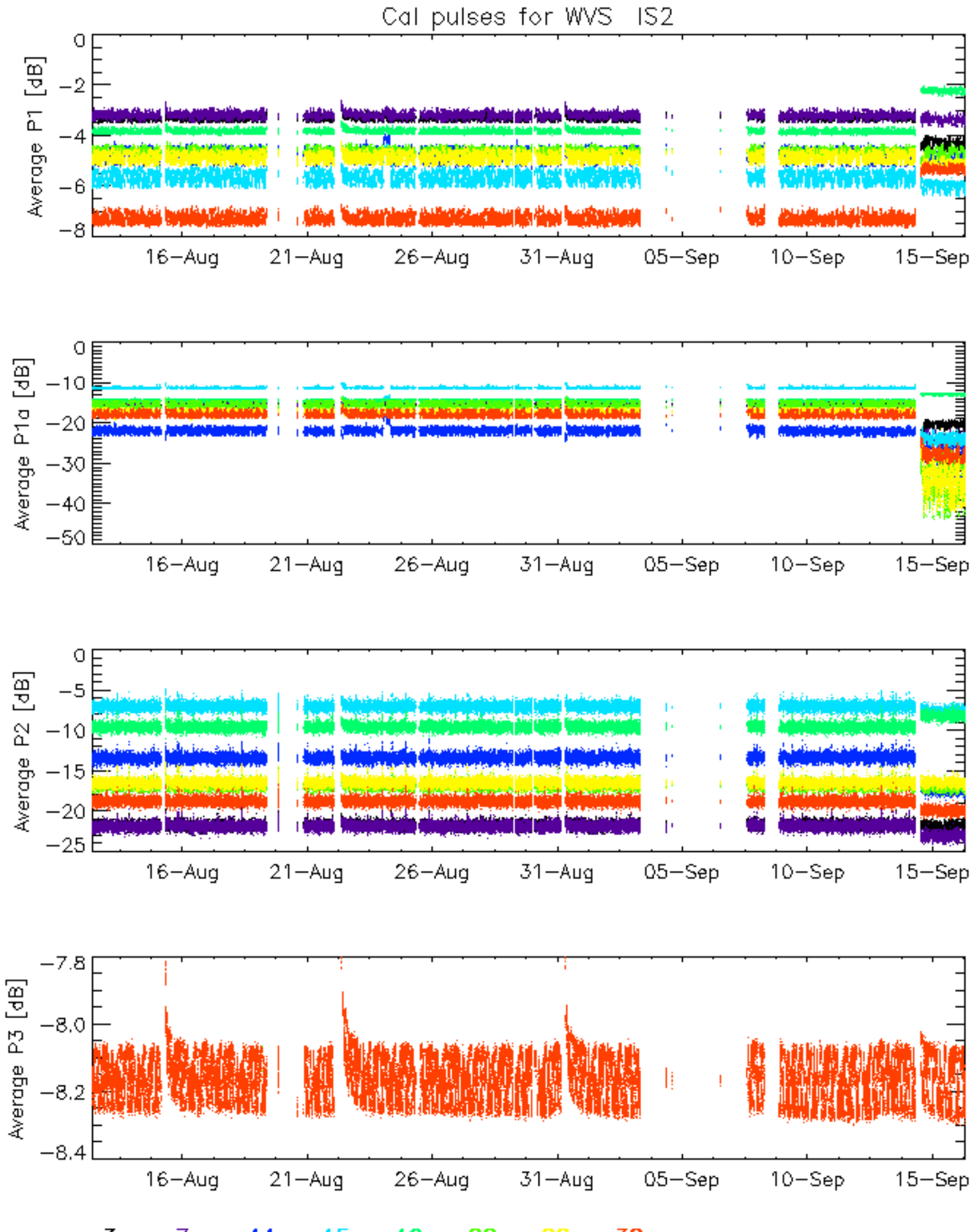
Evolution Doppler error versus ANX


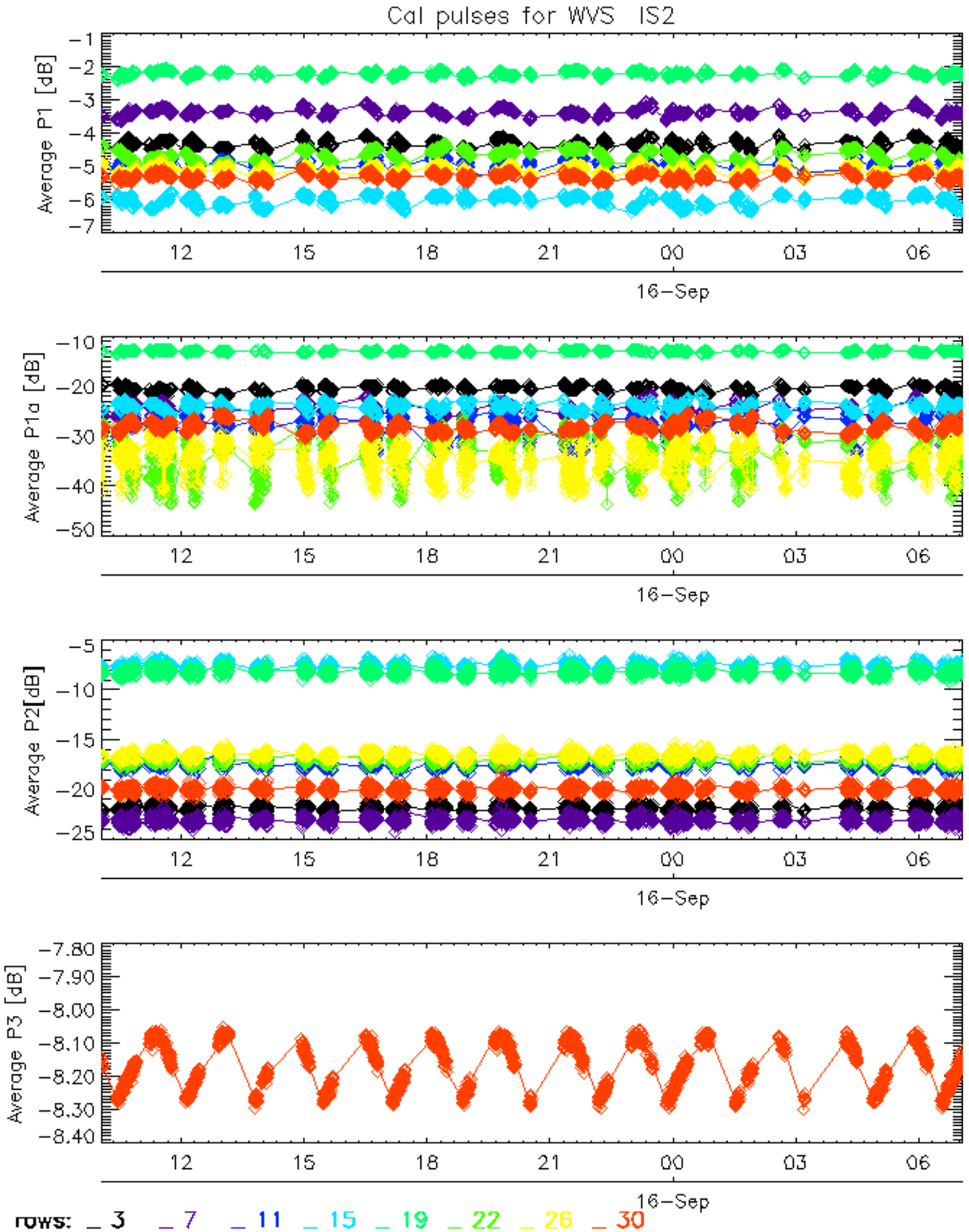

Cal pulses for GM1 SS3
Average P1 [dB]
0
−1
−2
−3
−4
−5
12
15
18
21
00
03
06
16−Sep
Average P1a [dB]
−10
−20
−30
−40
−50
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
12
15
18
21
00
03
06
16−Sep
Average P1a [dB]
−10
−20
−30
−40
−50
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
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
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

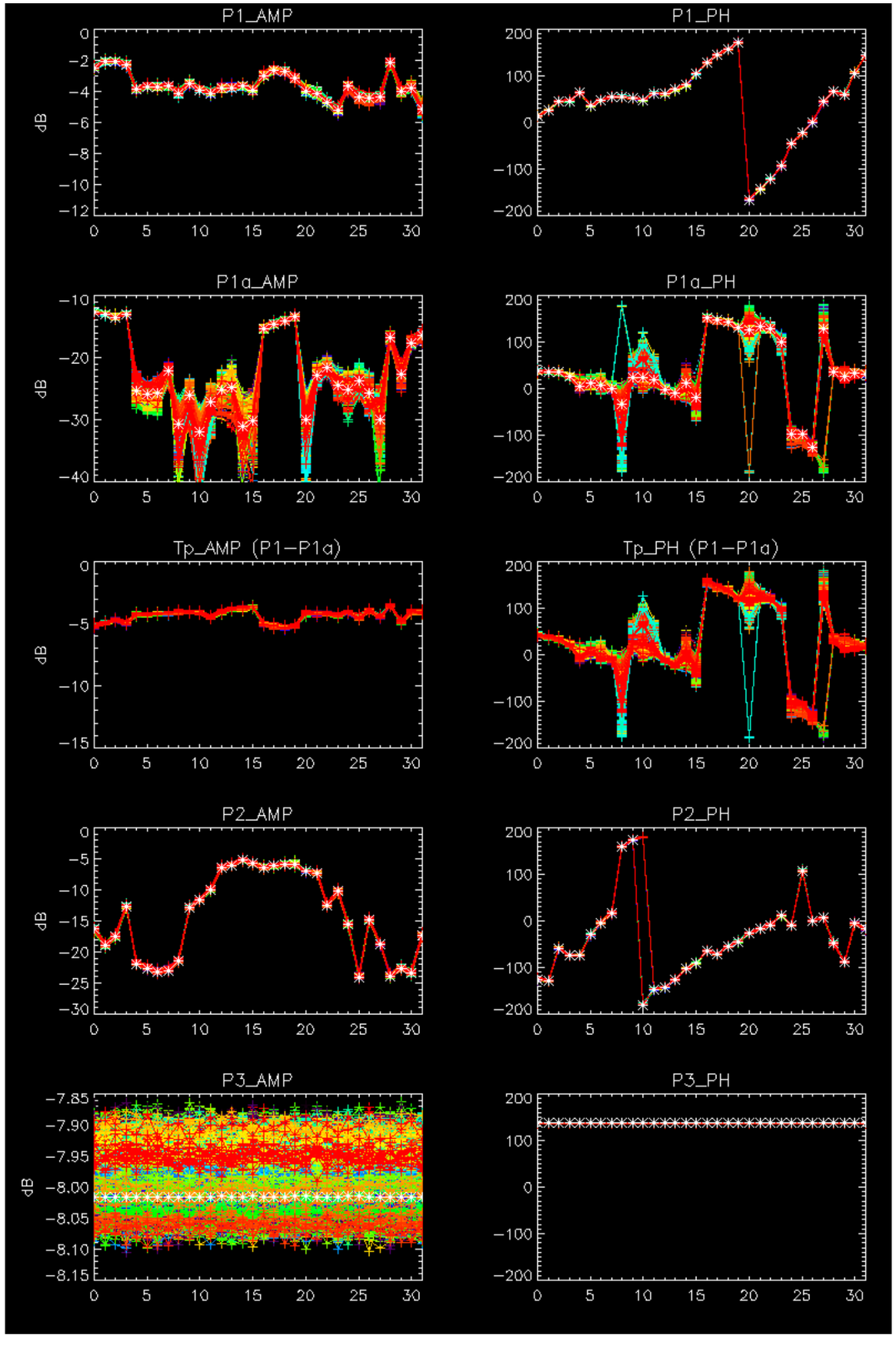

Cal pulses for GM1 SS3
Average P1 [dB]
0
−1
−2
−3
−4
−5
12
15
18
21
00
03
06
16−Sep
Average P1a [dB]
−10
−20
−30
−40
−50
Average P2[dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

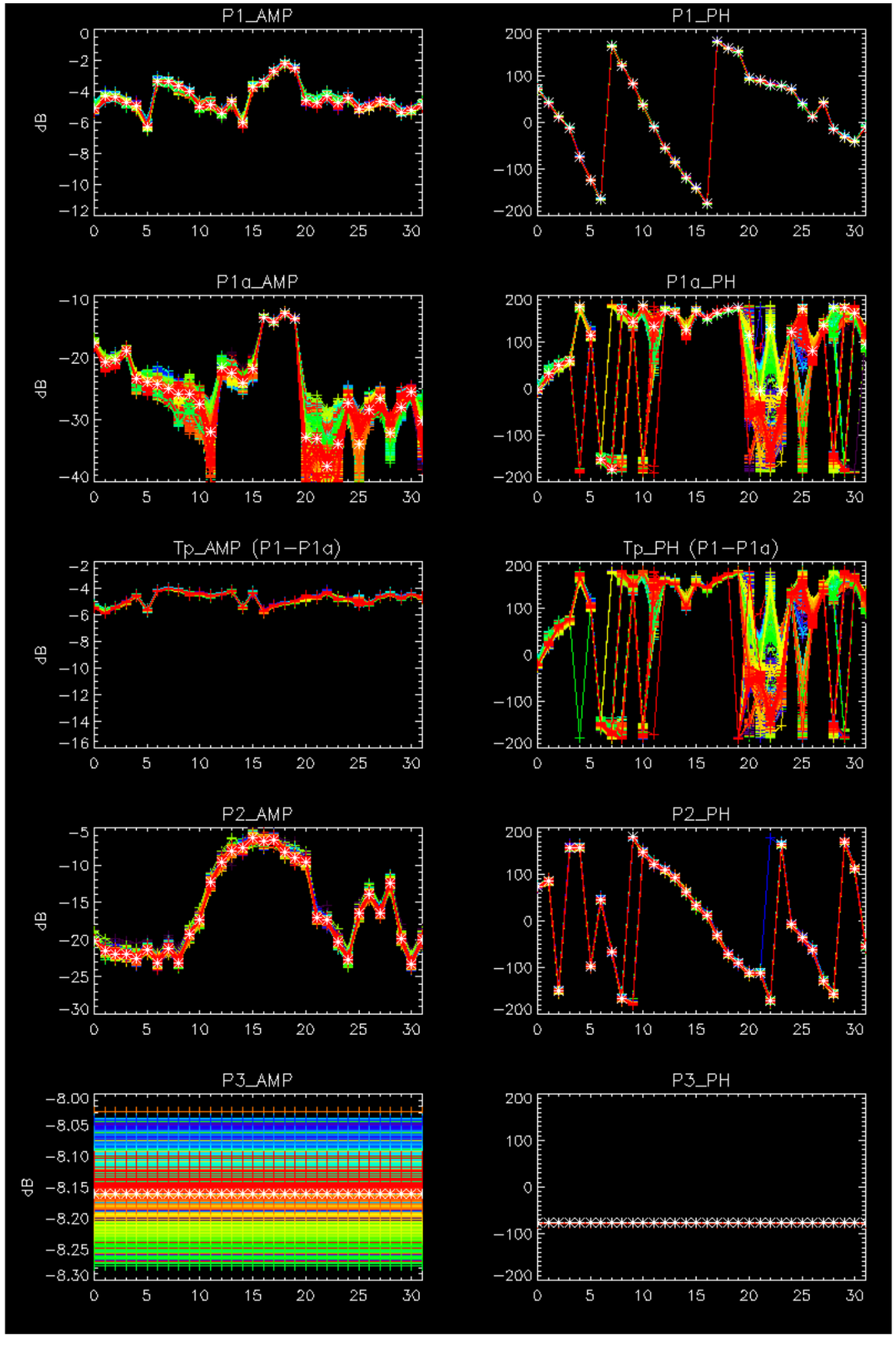

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
12
15
18
21
00
03
06
16−Sep
Average P1a [dB]
−10
−20
−30
−40
−50
Average P2[dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30

Preliminary report. Browse are not yet controled

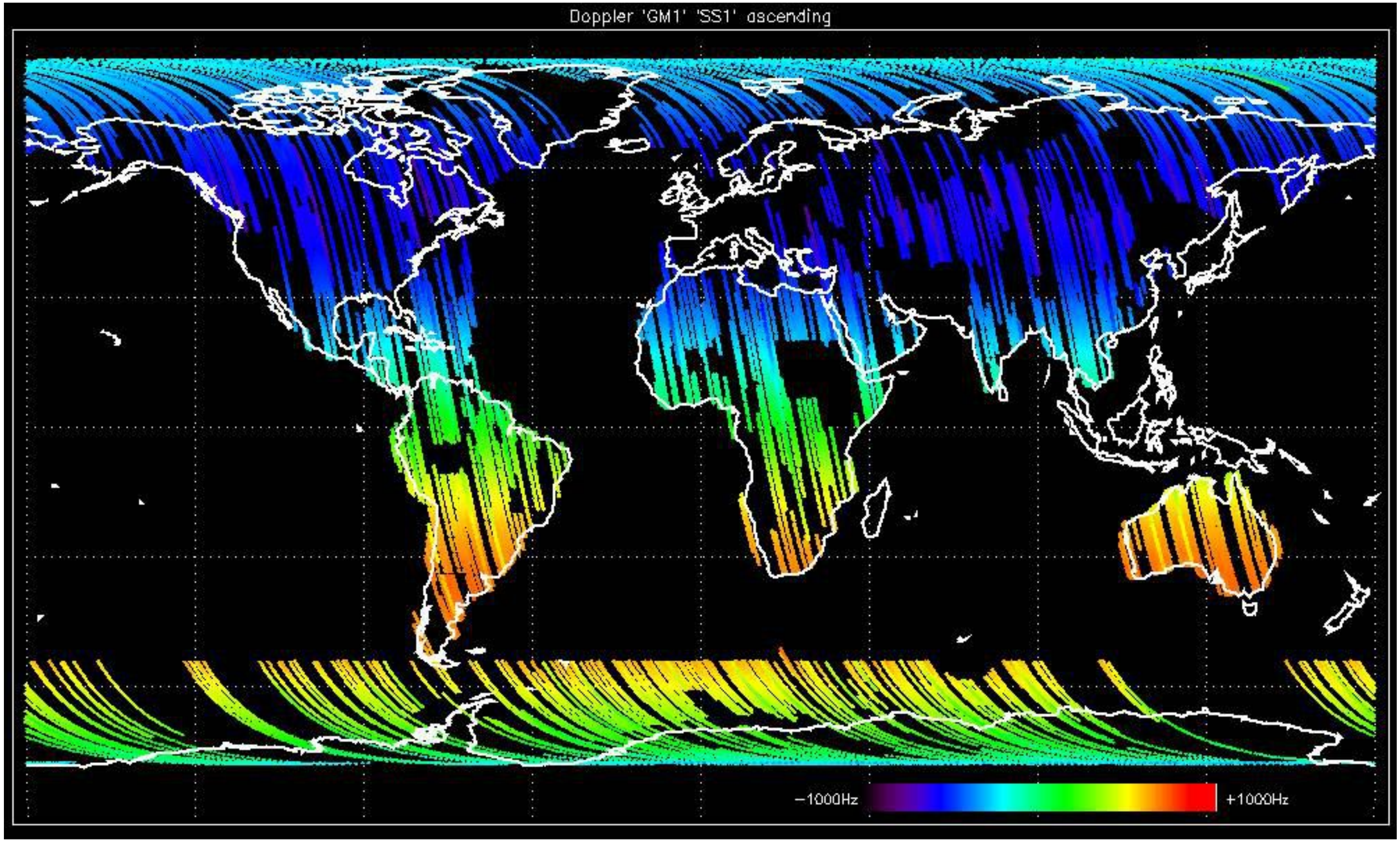
No anomalies observed.

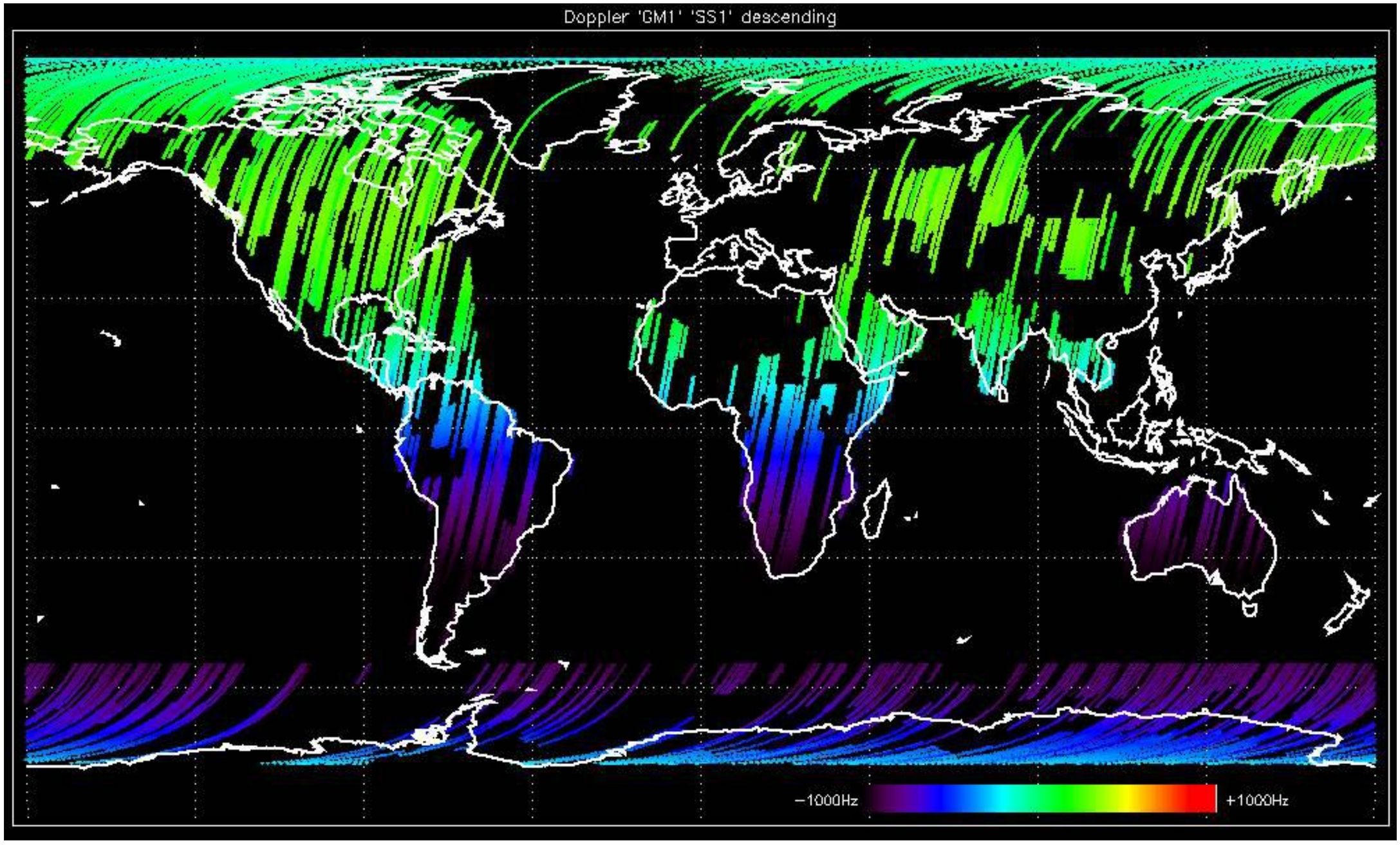

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

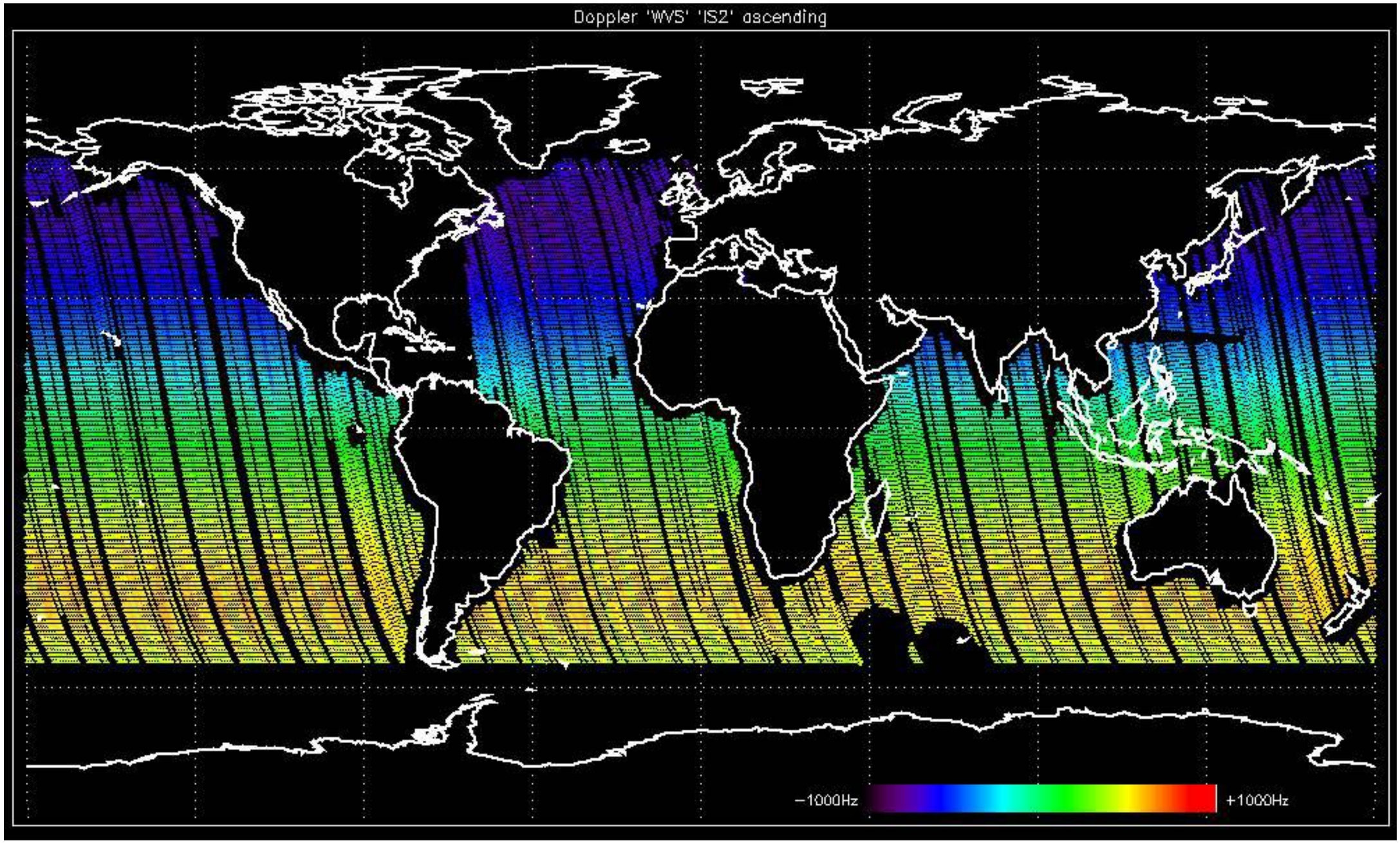

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

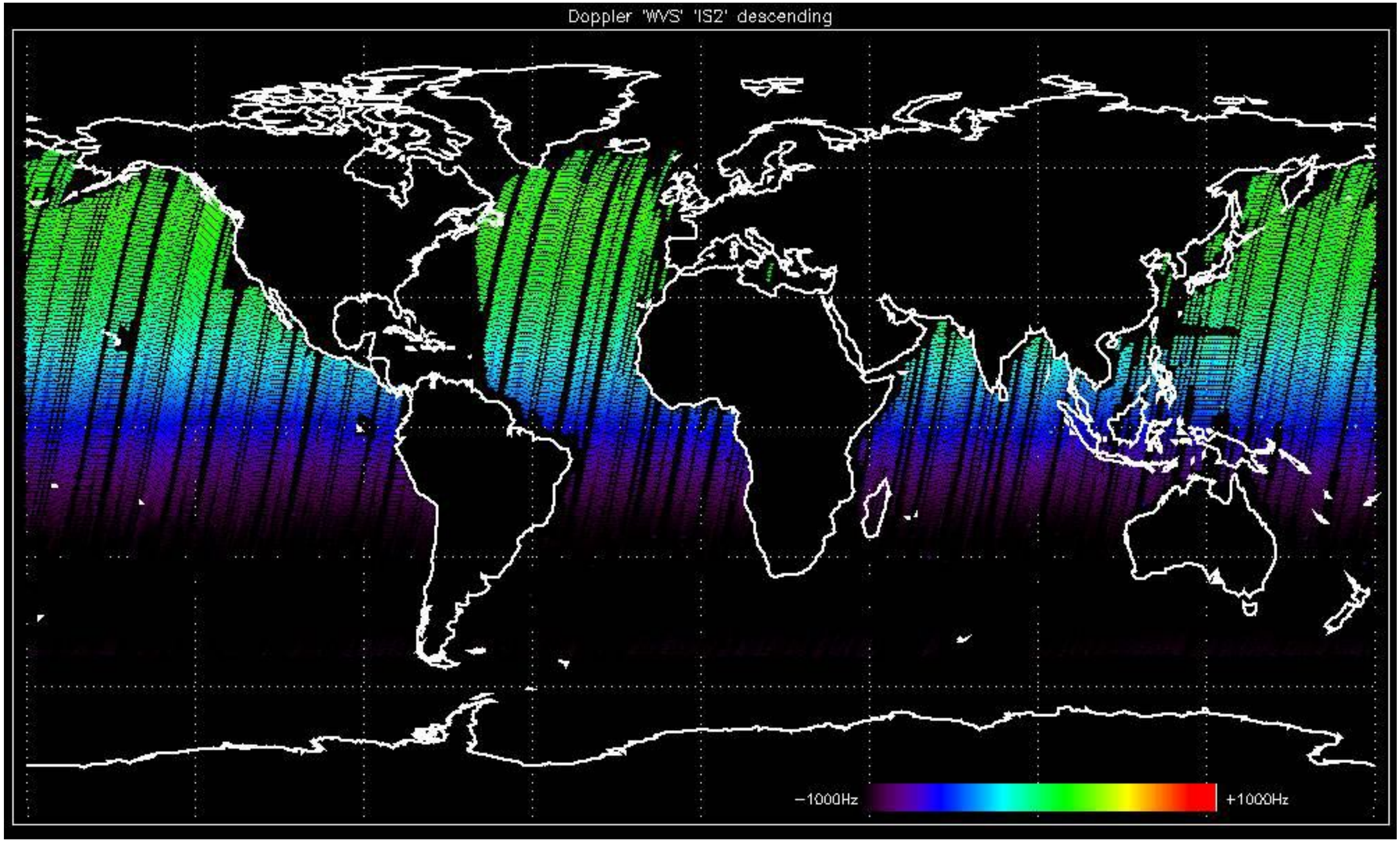
Preliminary report.The data is not yet controled

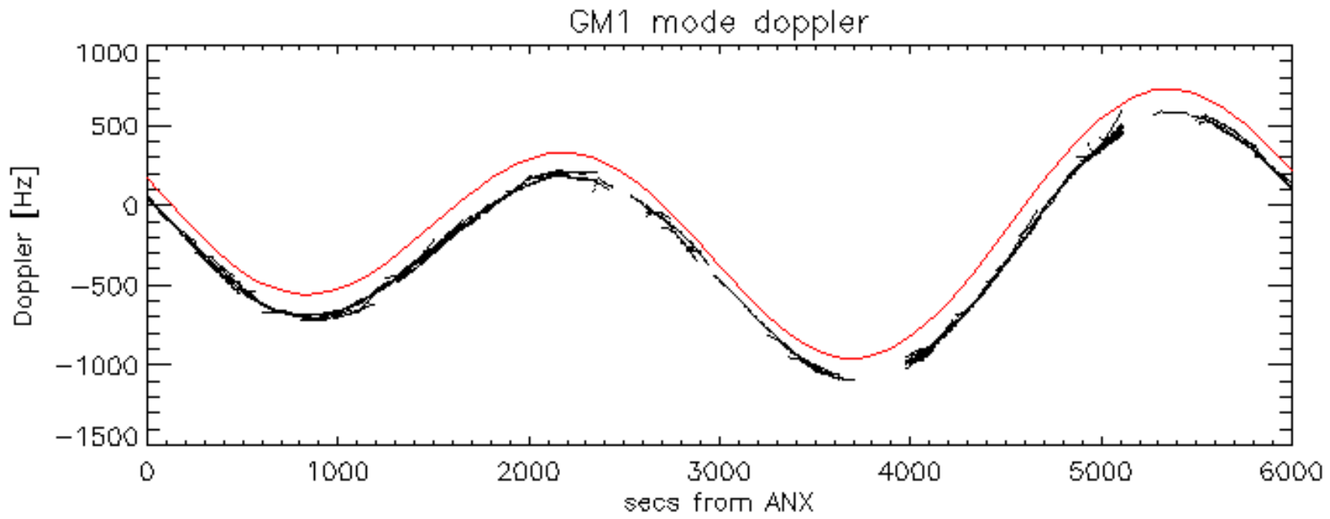
Preliminary report.The data is not yet controled

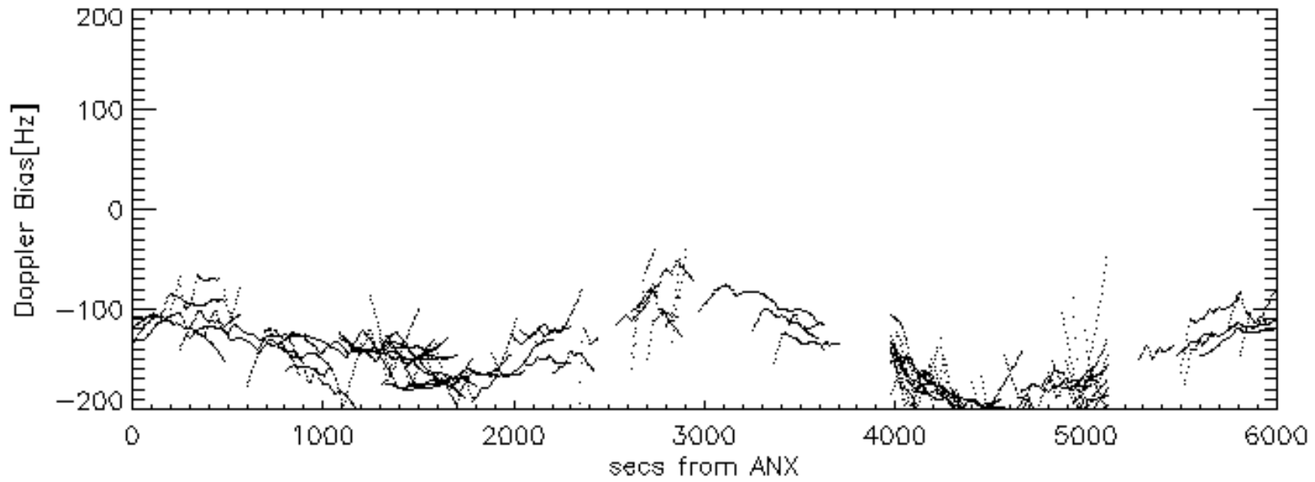

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

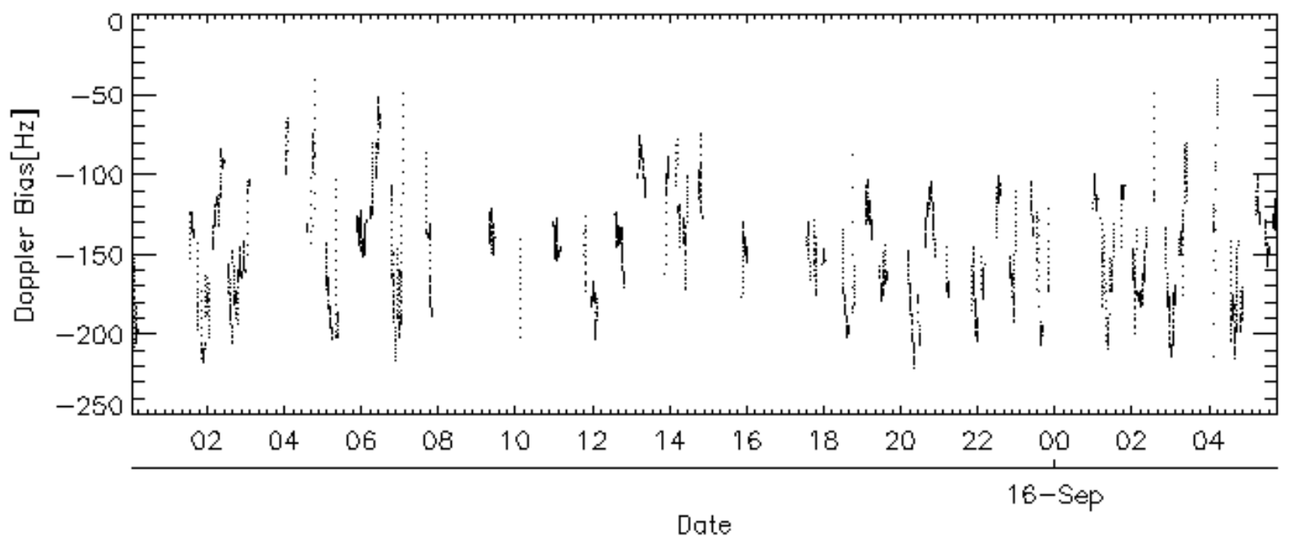

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

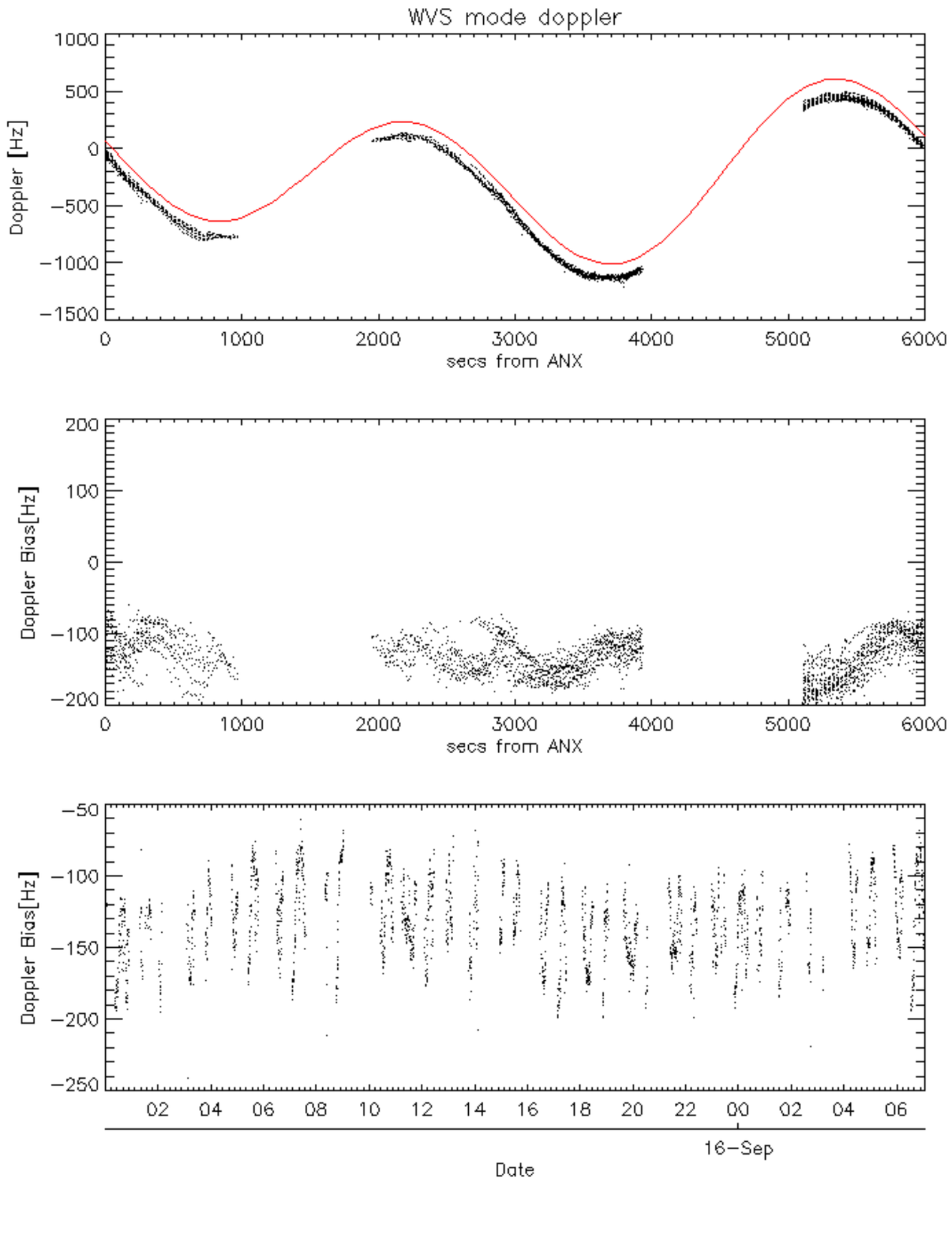

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

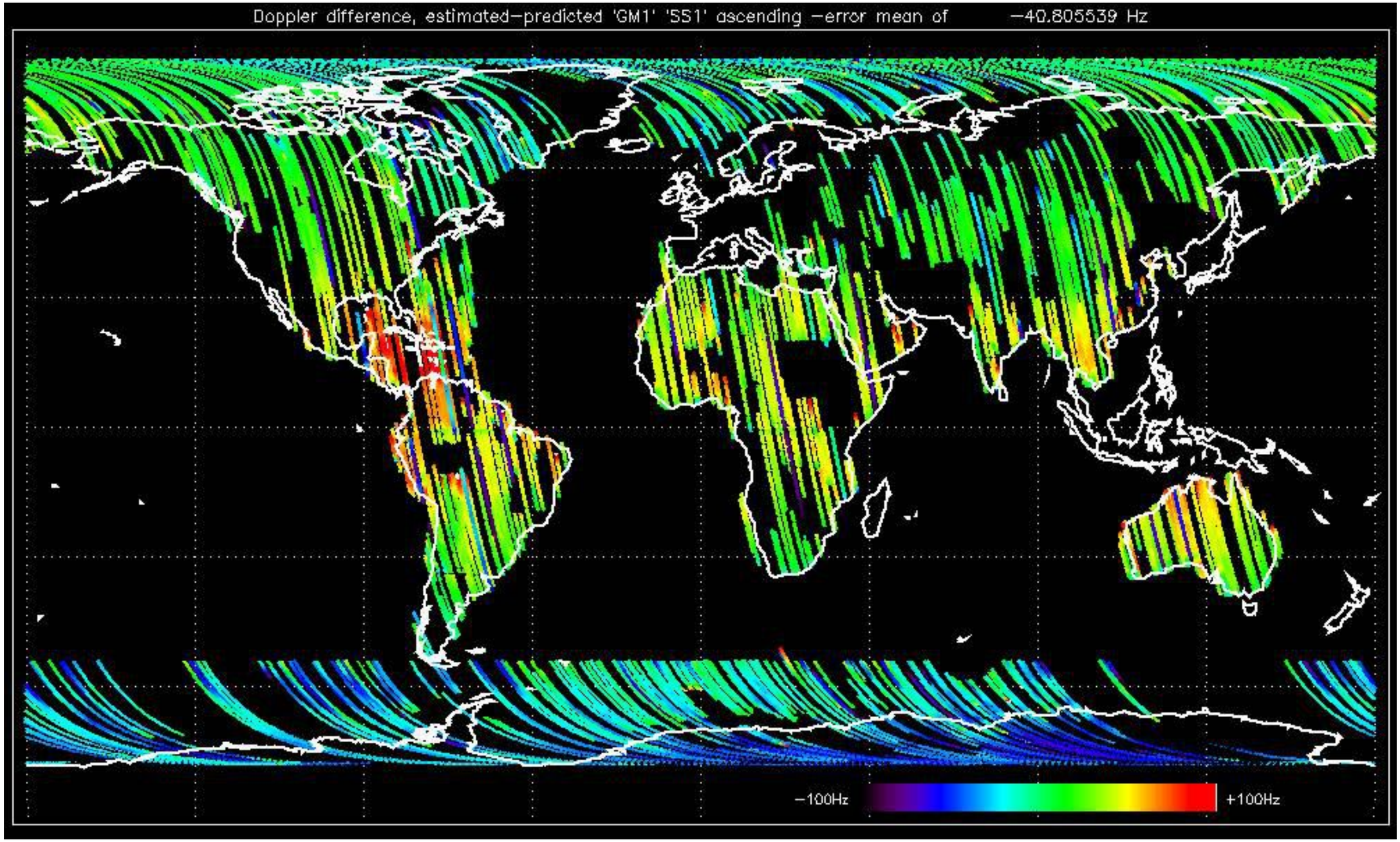

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

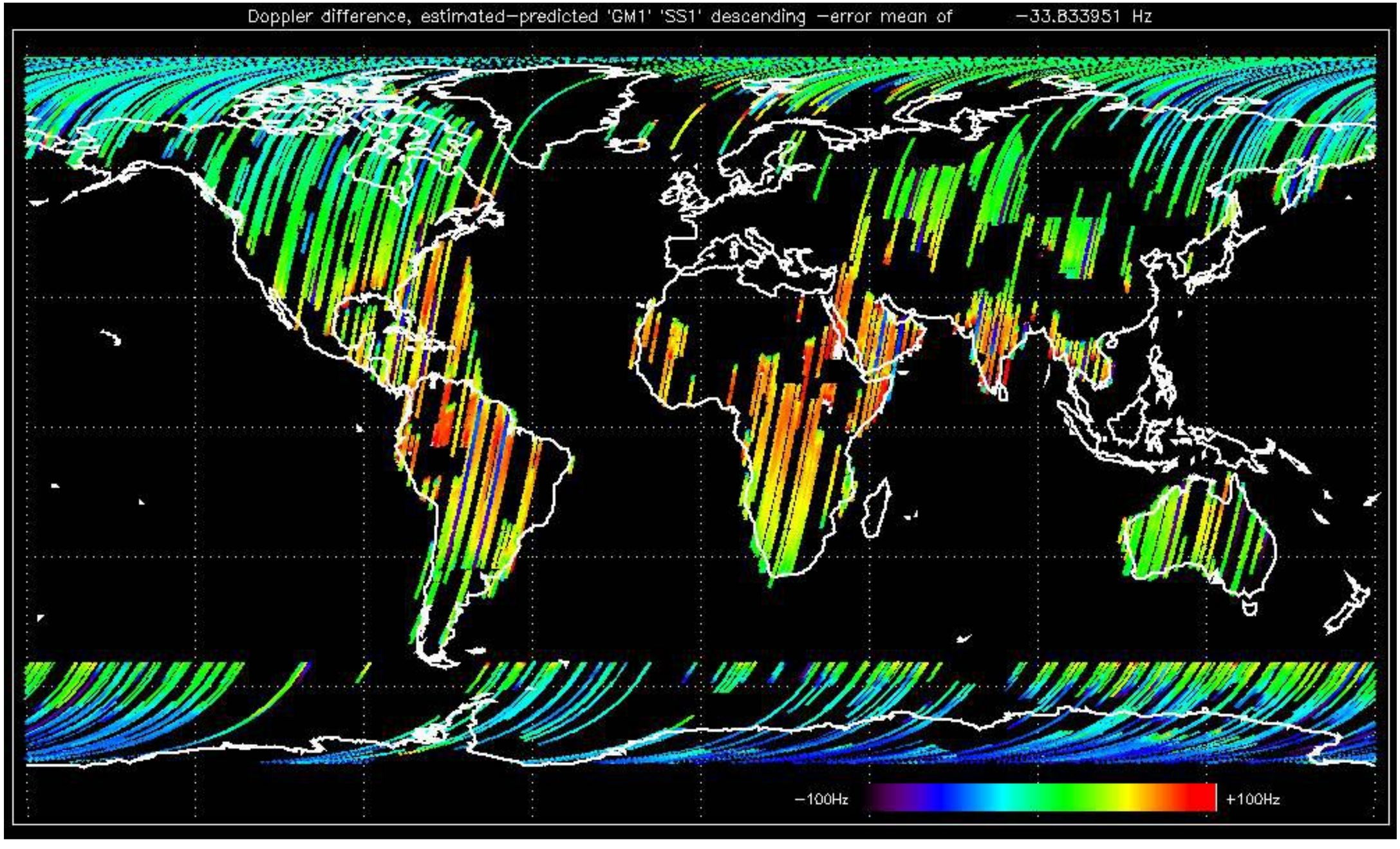

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

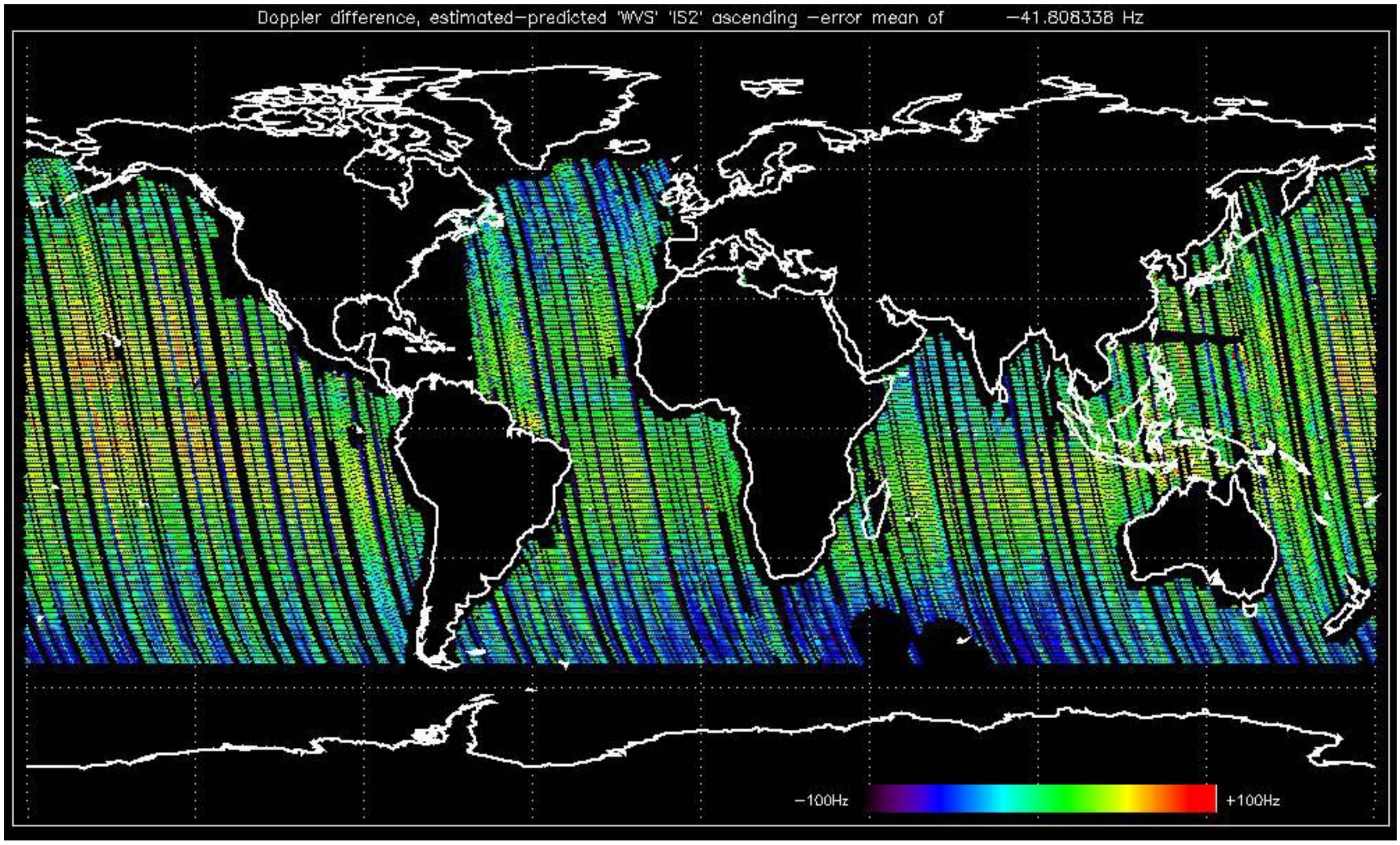

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

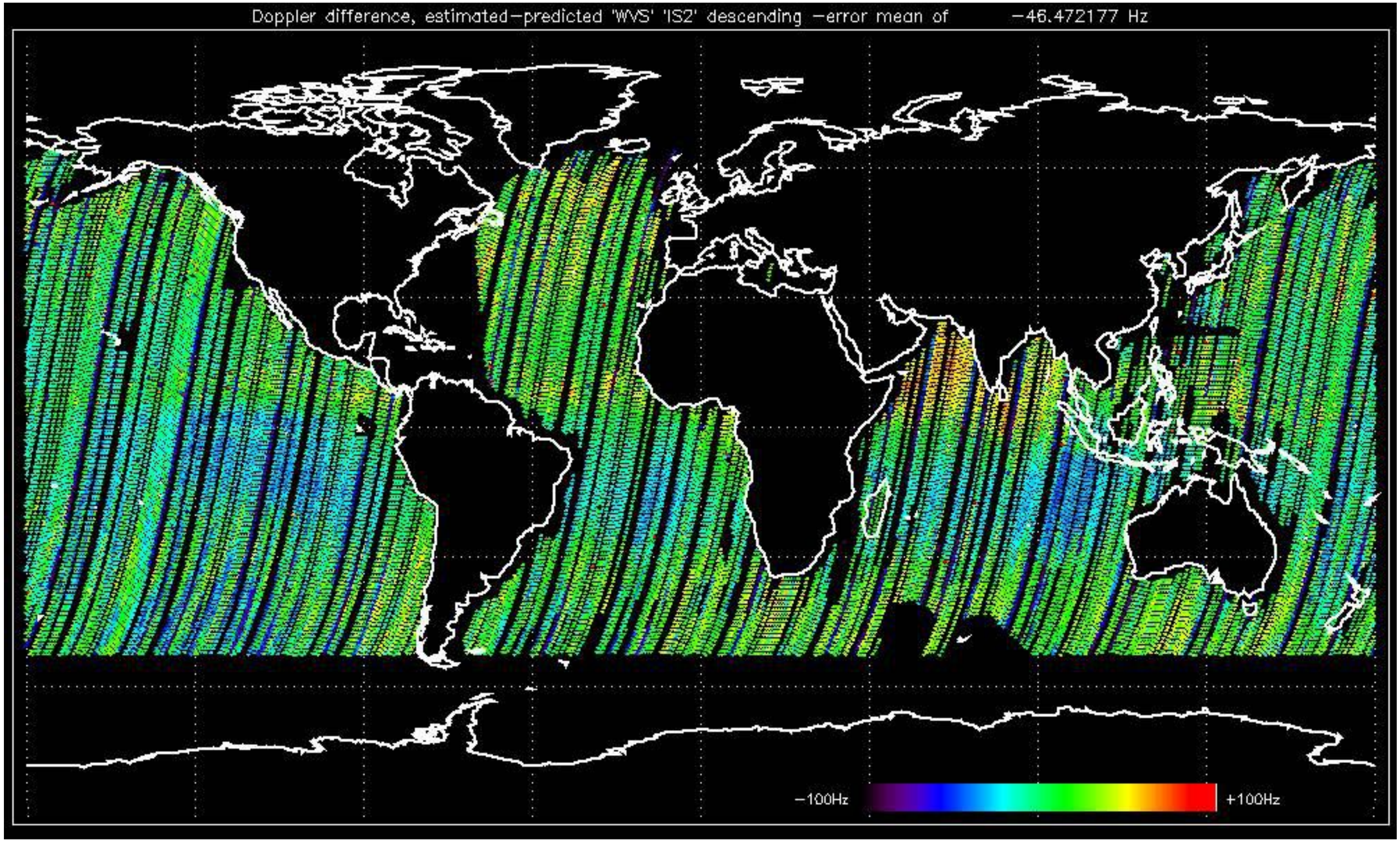

Doppler Bias[Hz]
0
−50
−100
−150
−200
−250
02
04
06
08
10
12
14
16
18
20
22
00
02
04
16−Sep
Date


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
secs from ANX
Doppler Bias[Hz]
−50
−100
−150
−200
−250
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
16−Sep
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −40.805539 Hz
−100Hz
+100Hz

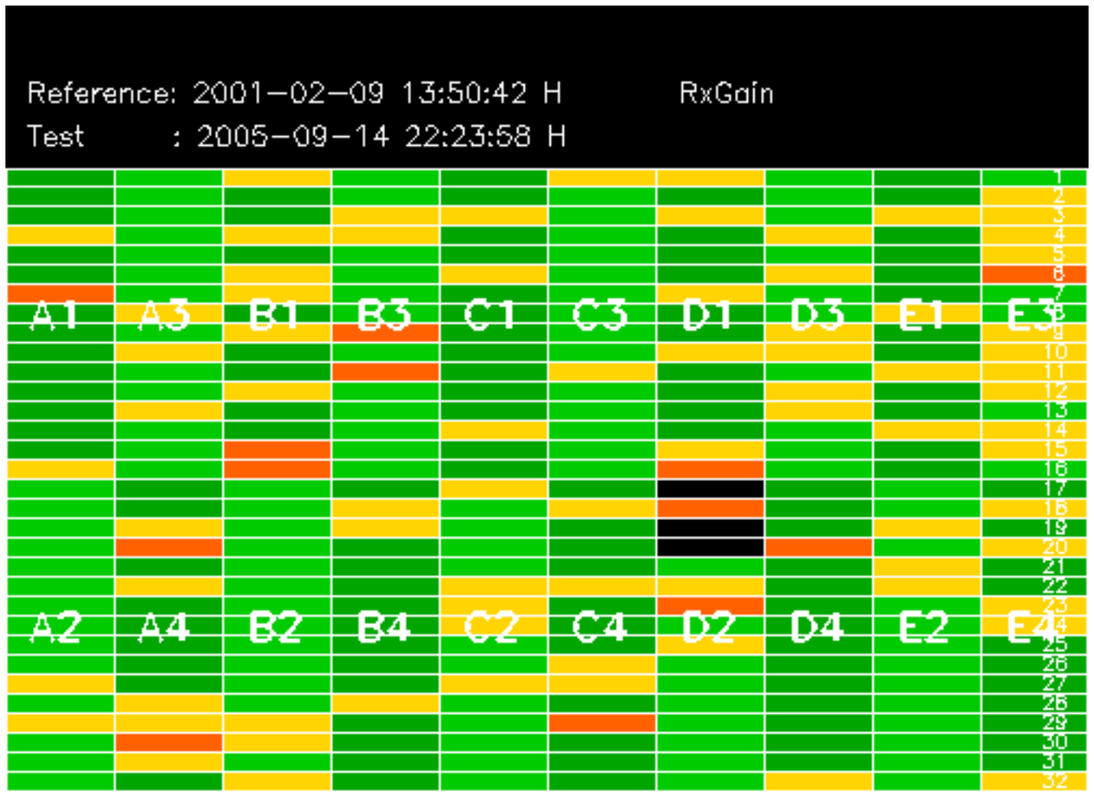

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -33.833951 Hz
-100Hz
+100Hz

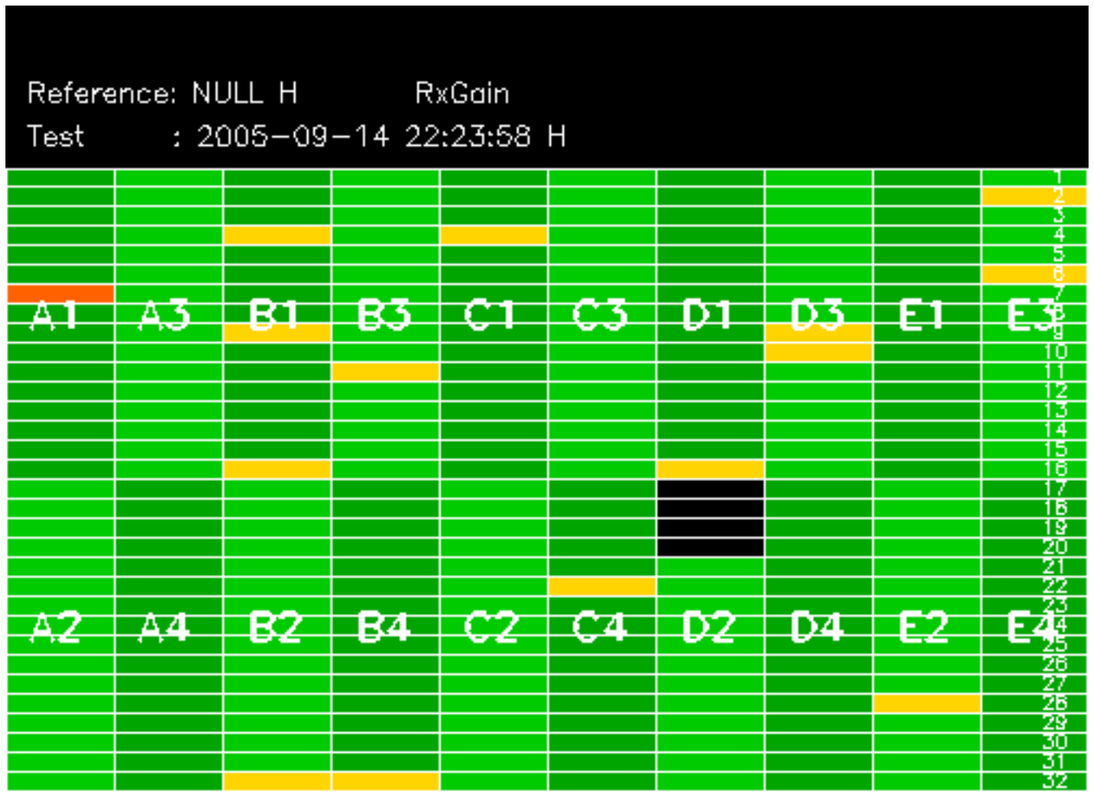

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −41.808338 Hz
−100Hz
+100Hz

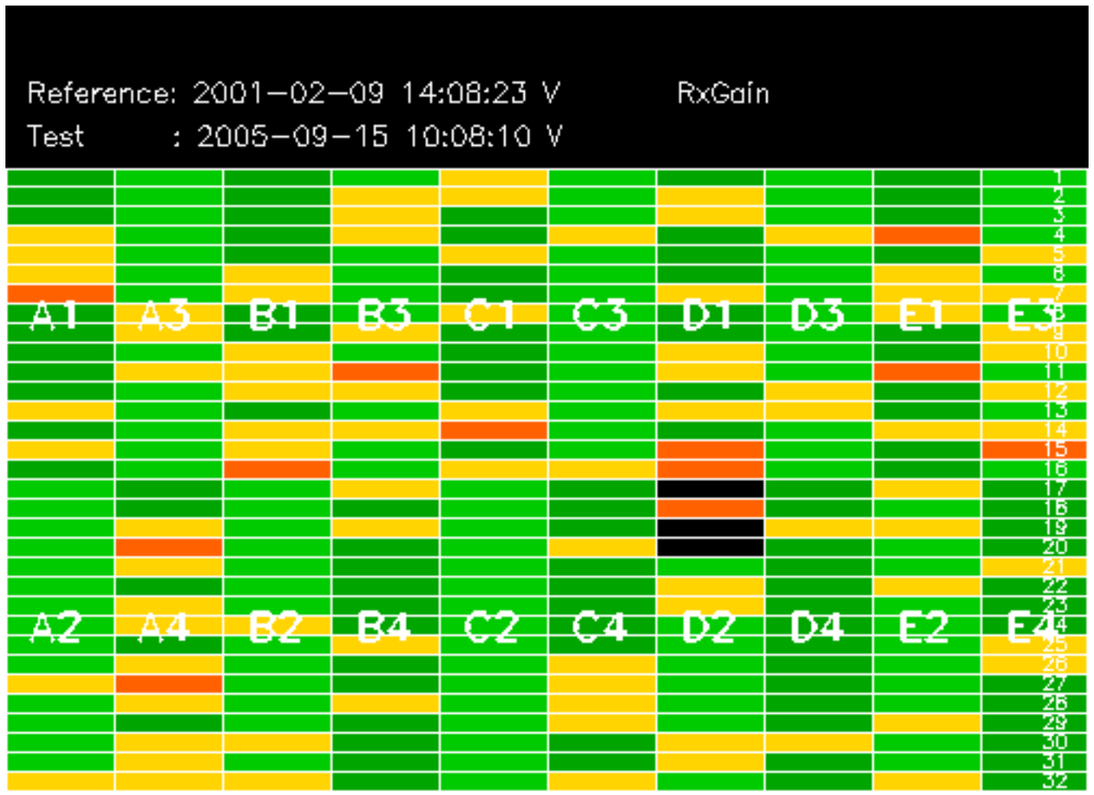

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −46.472177 Hz
−100Hz
+100Hz

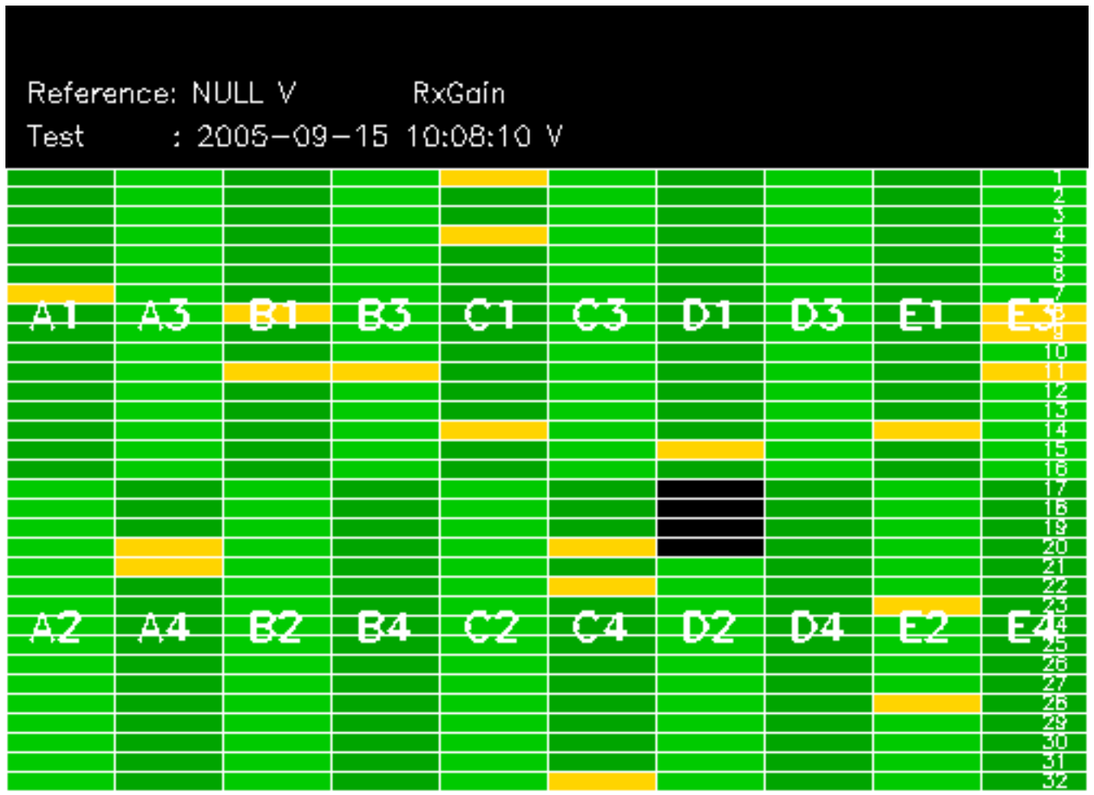
No anomalies observed on available MS products:

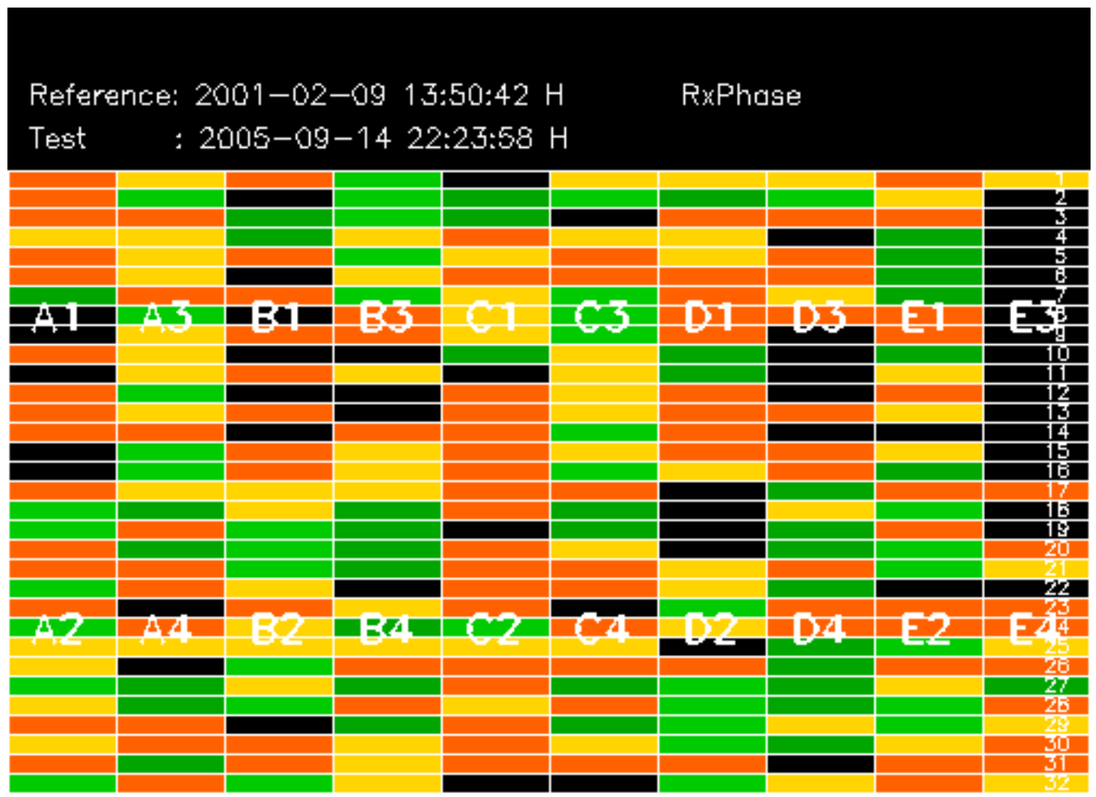
No anomalies observed.

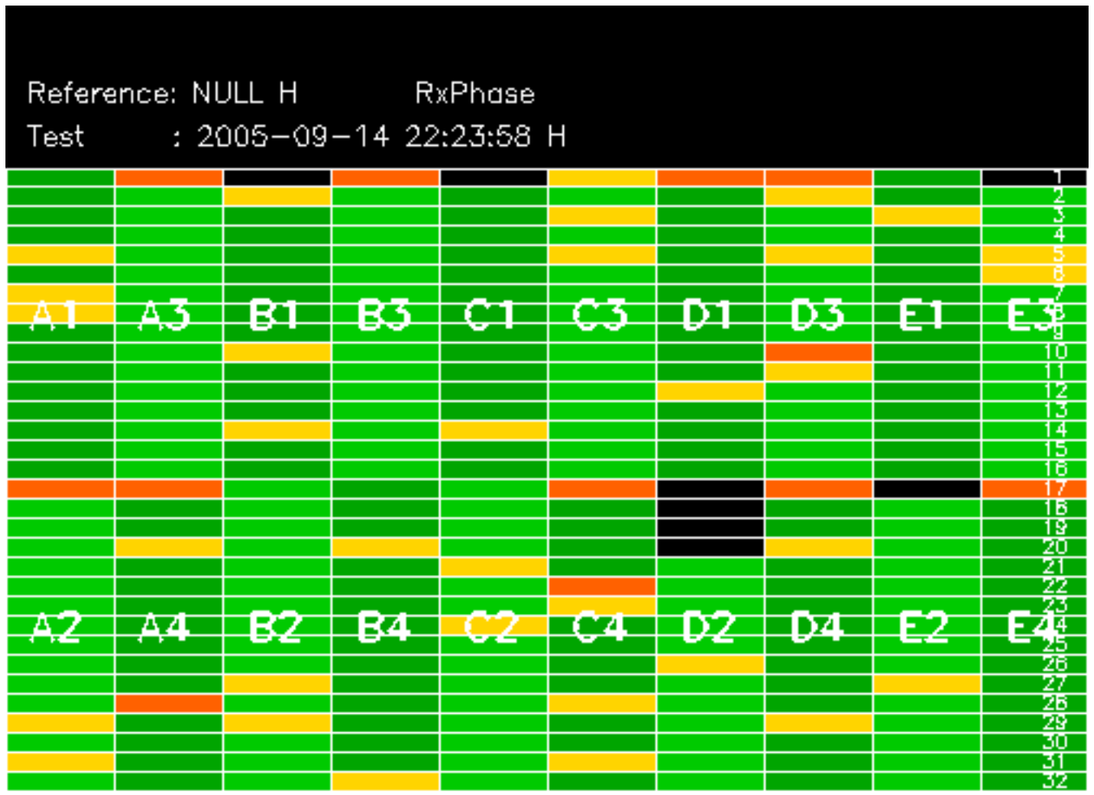

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

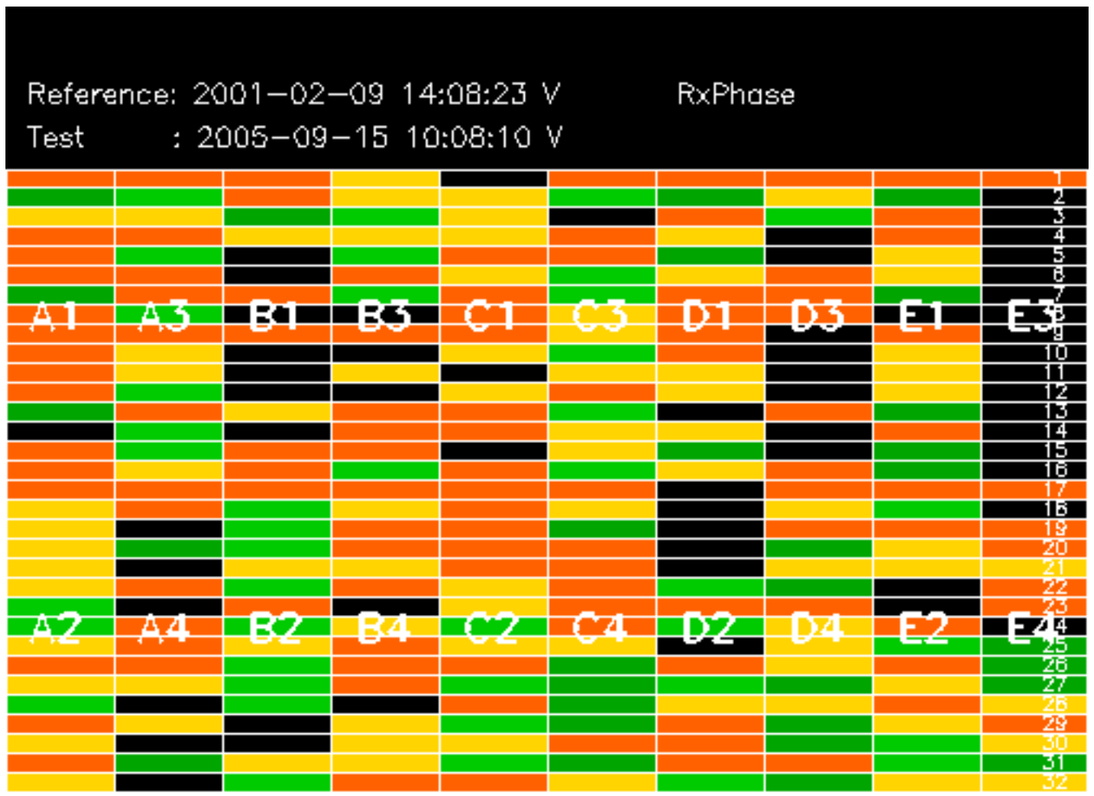

Reference: NULL H RxGain
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

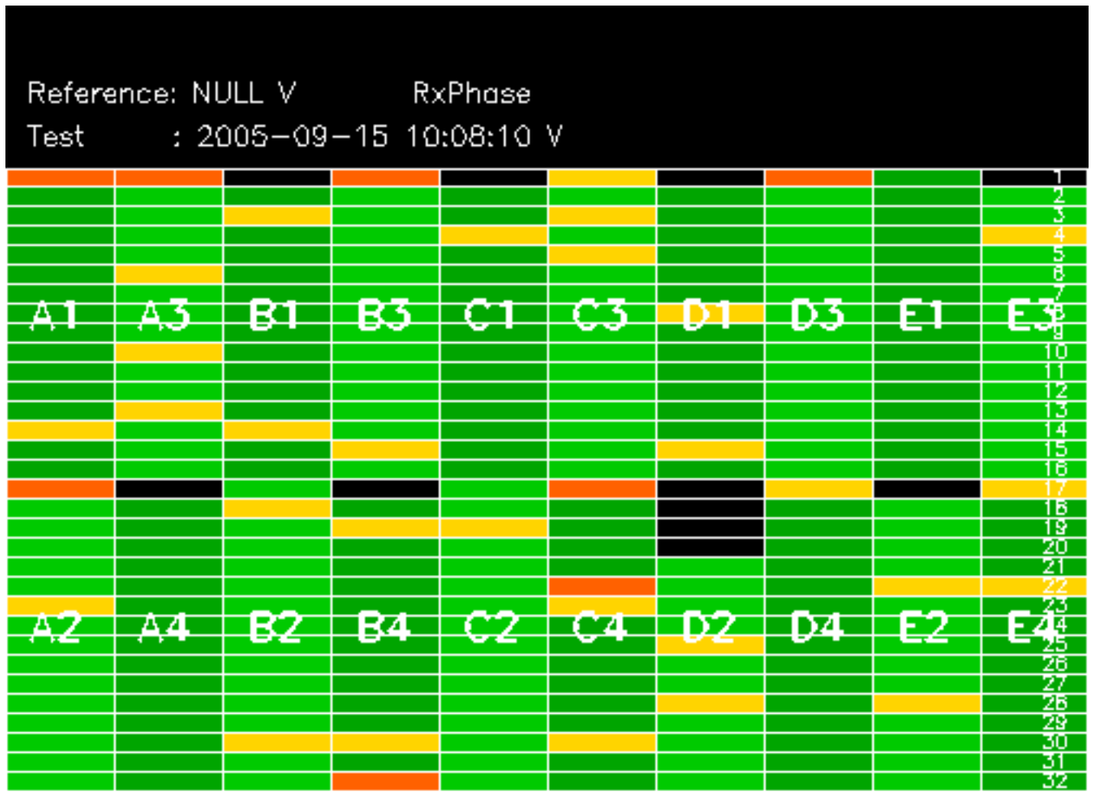

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2005-09-15 10:08:10 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

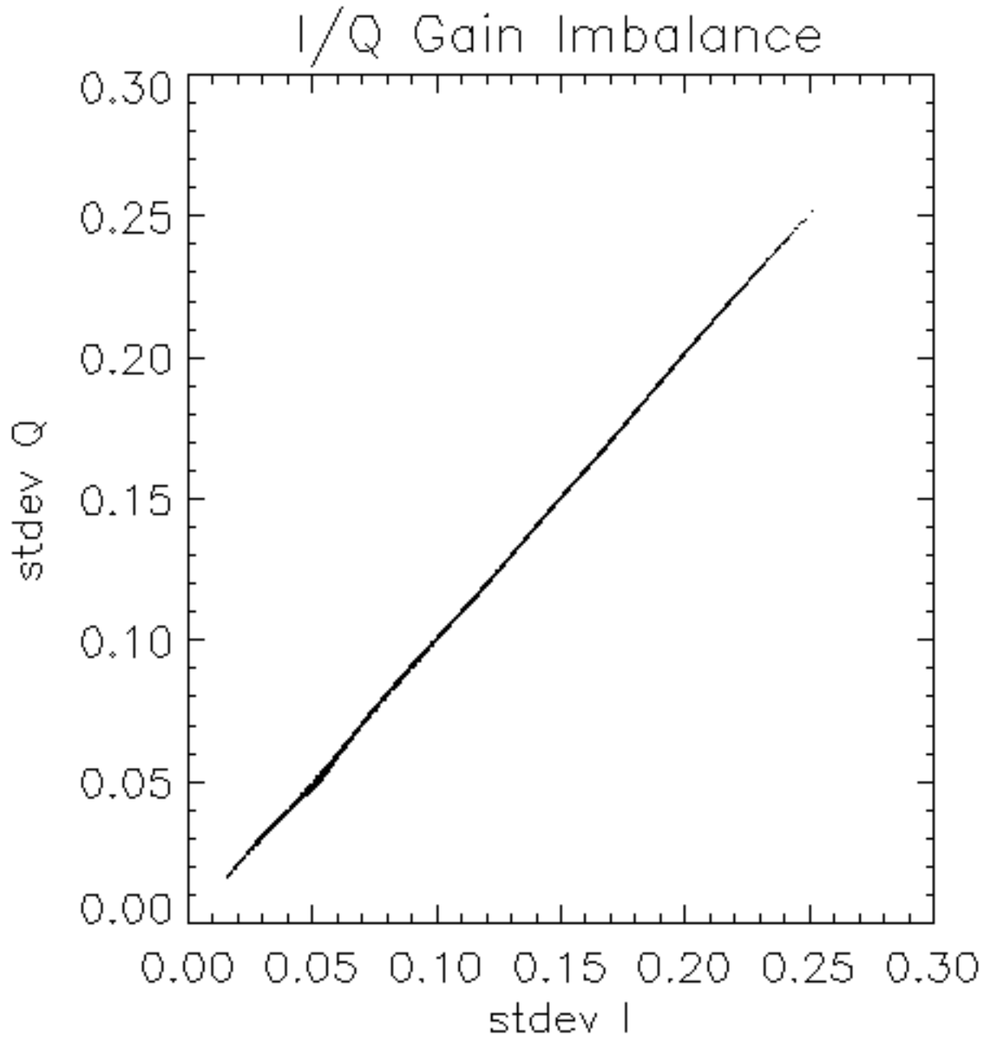

Reference: NULL V RxGain
Test : 2005-09-15 10:08:10 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

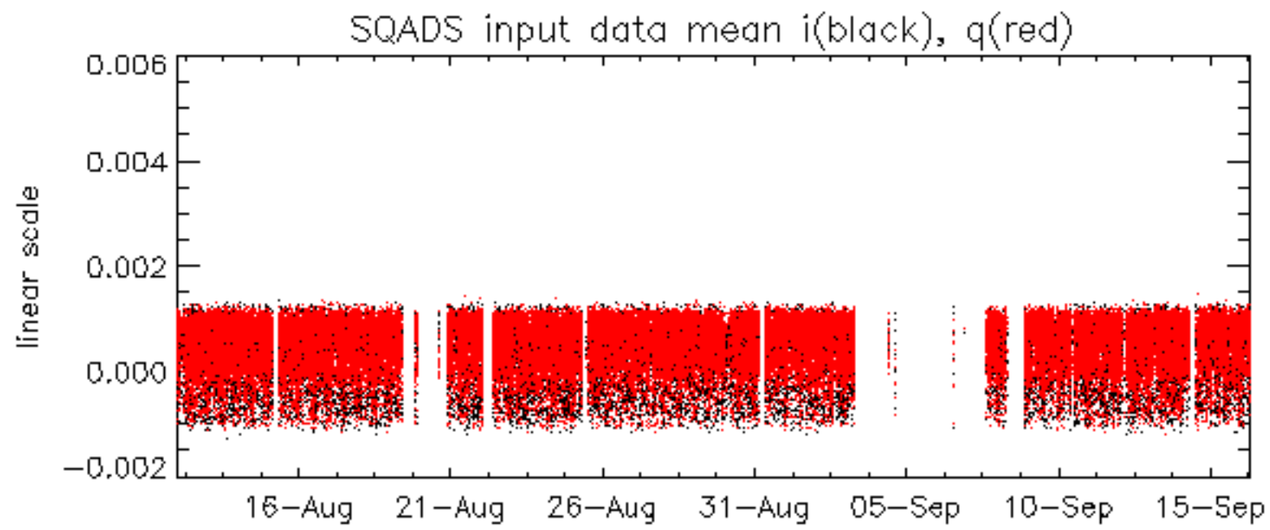

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

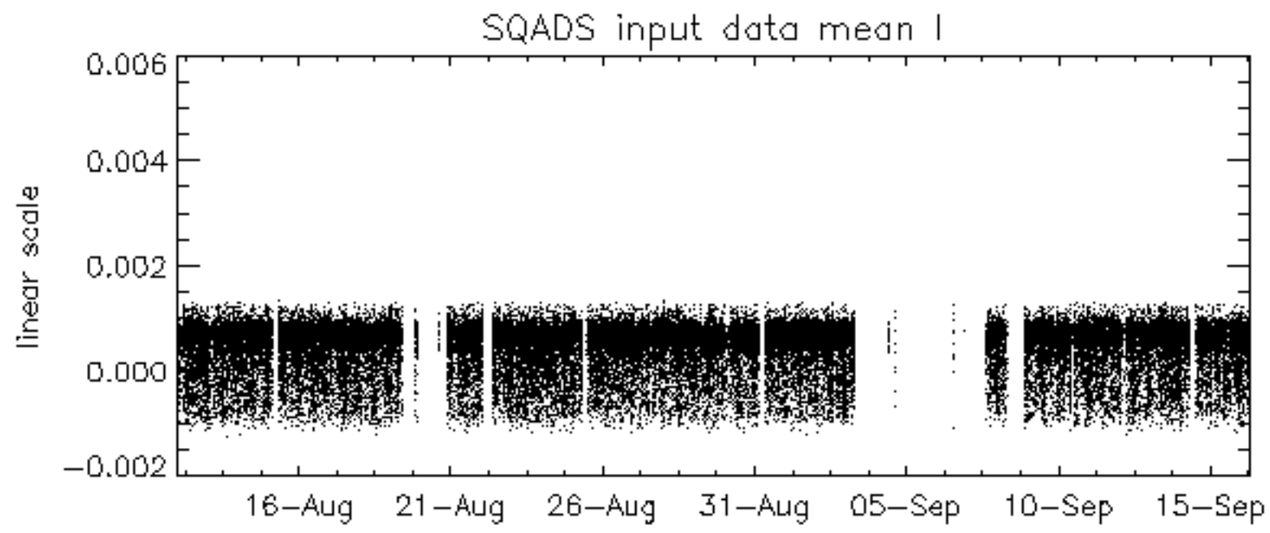

Reference: NULL H RxPhase
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

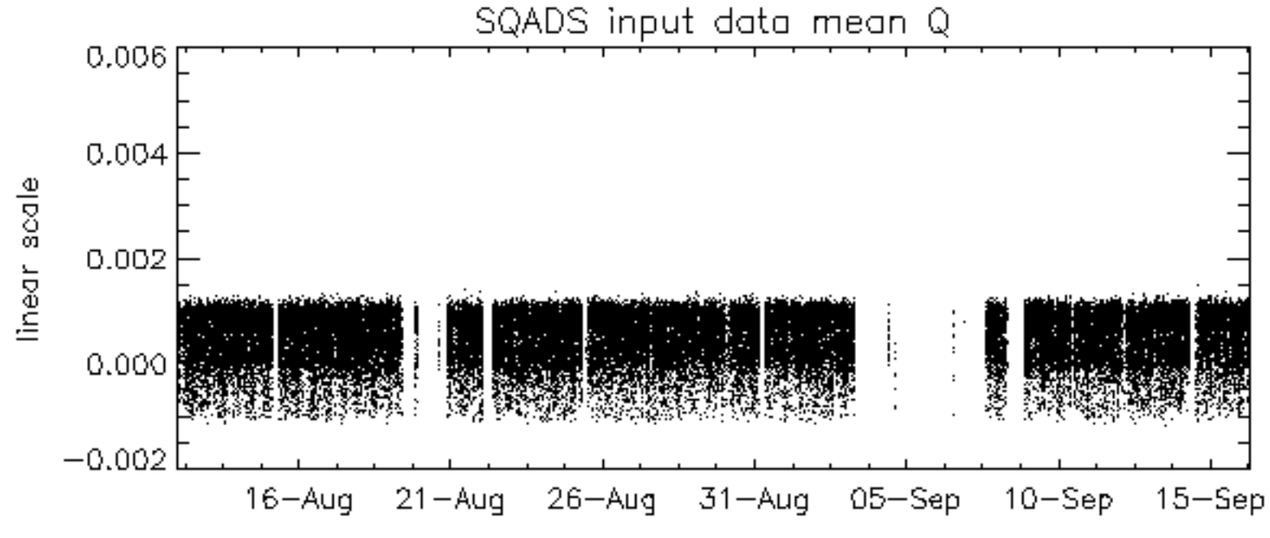

Reference: 2001-02-09 14:08:23 V
Test : 2005-09-15 10:08:10 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

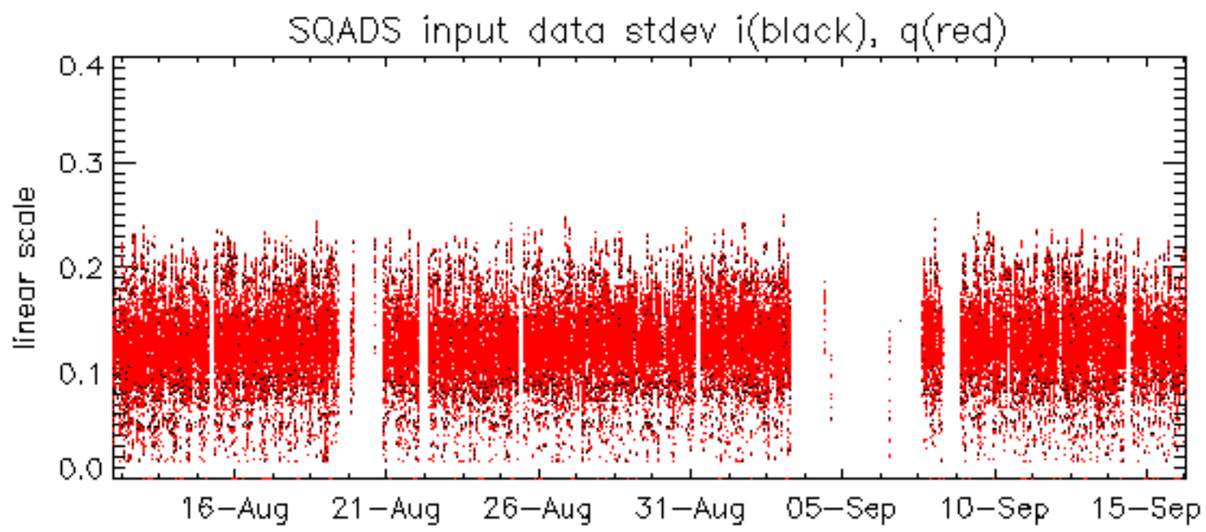

Reference: NULL V RxPhase
Test : 2005-09-15 10:08:10 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

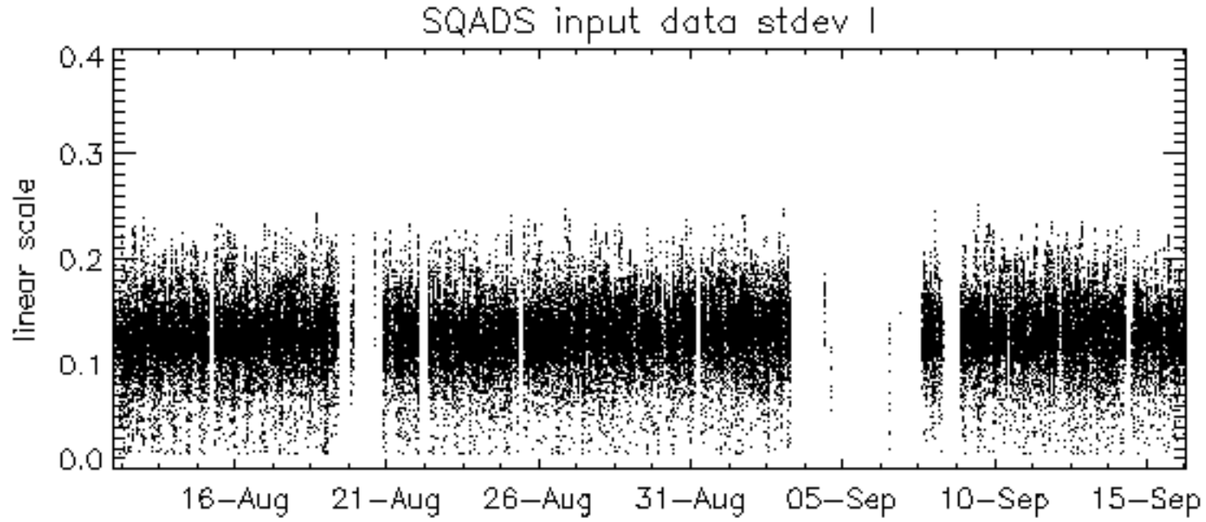

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

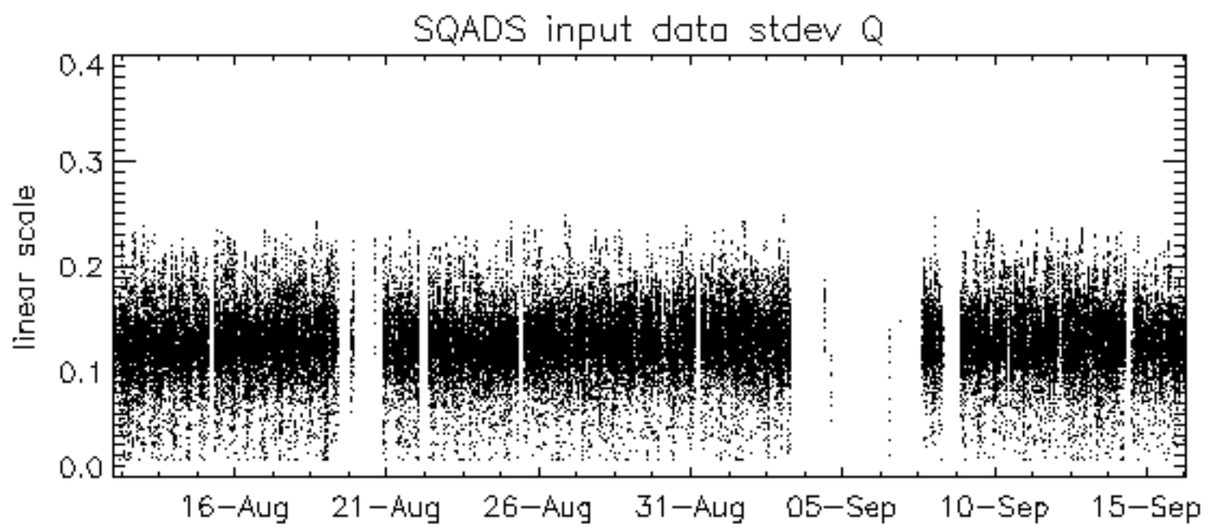

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep

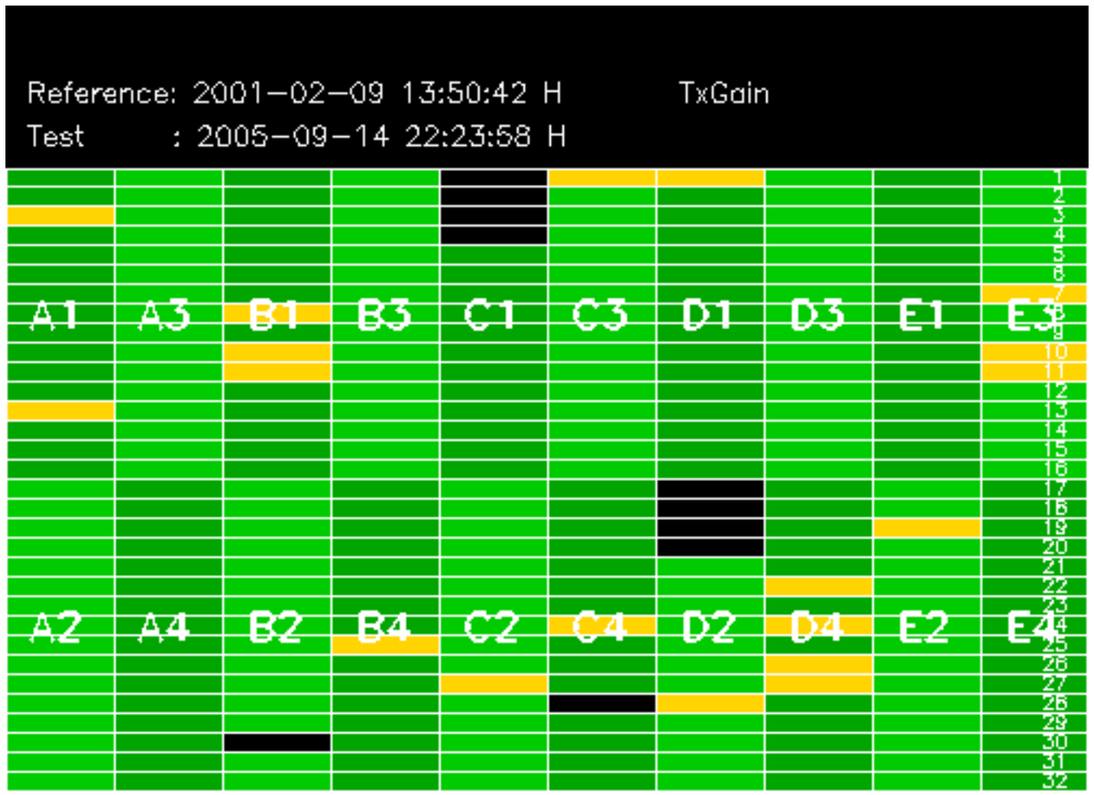

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep

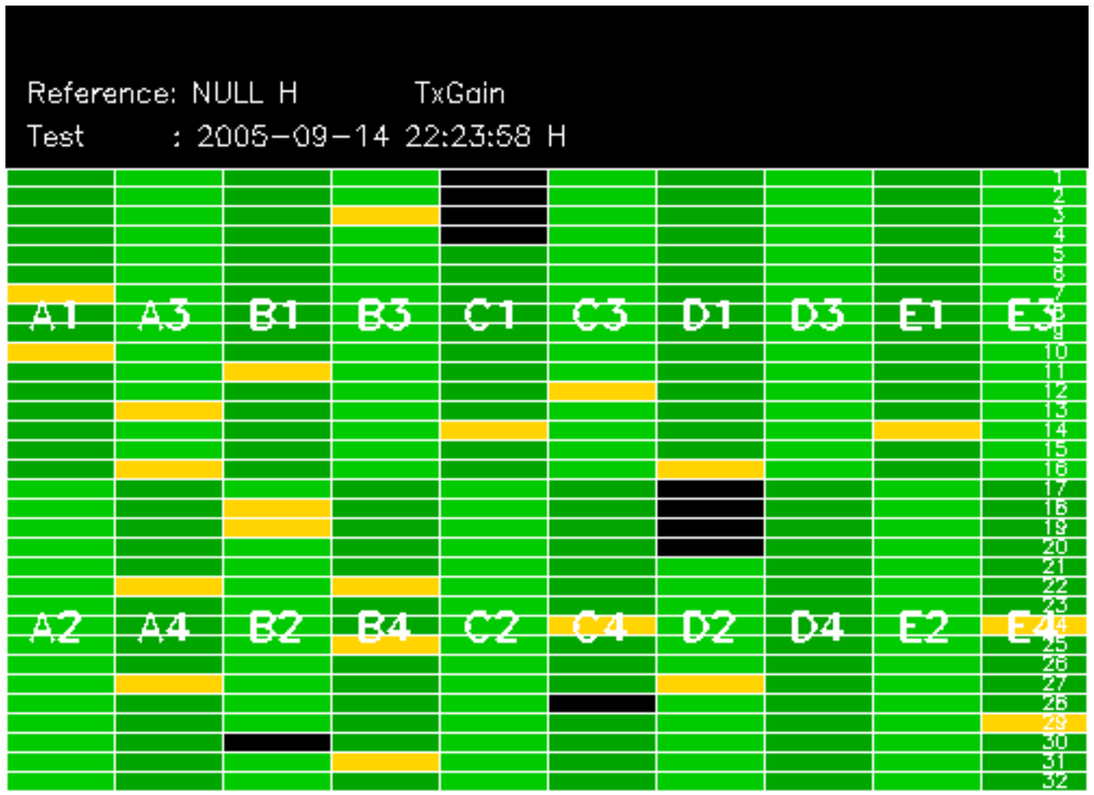

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep

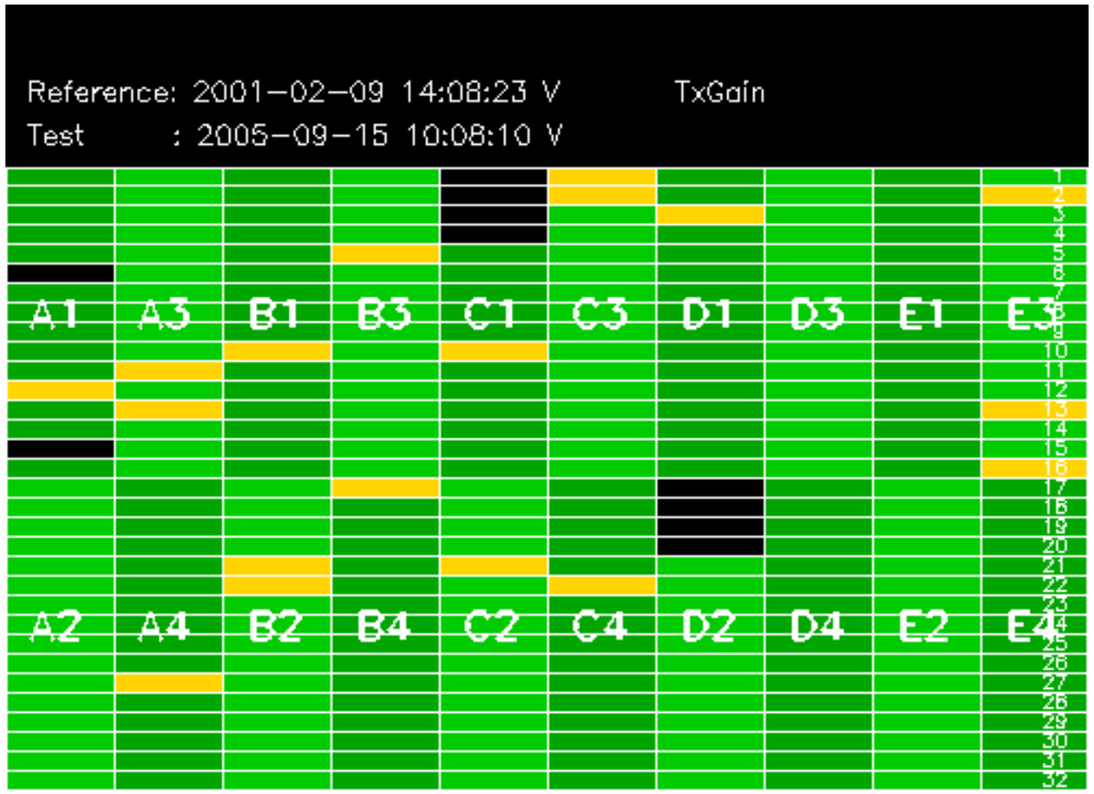

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep

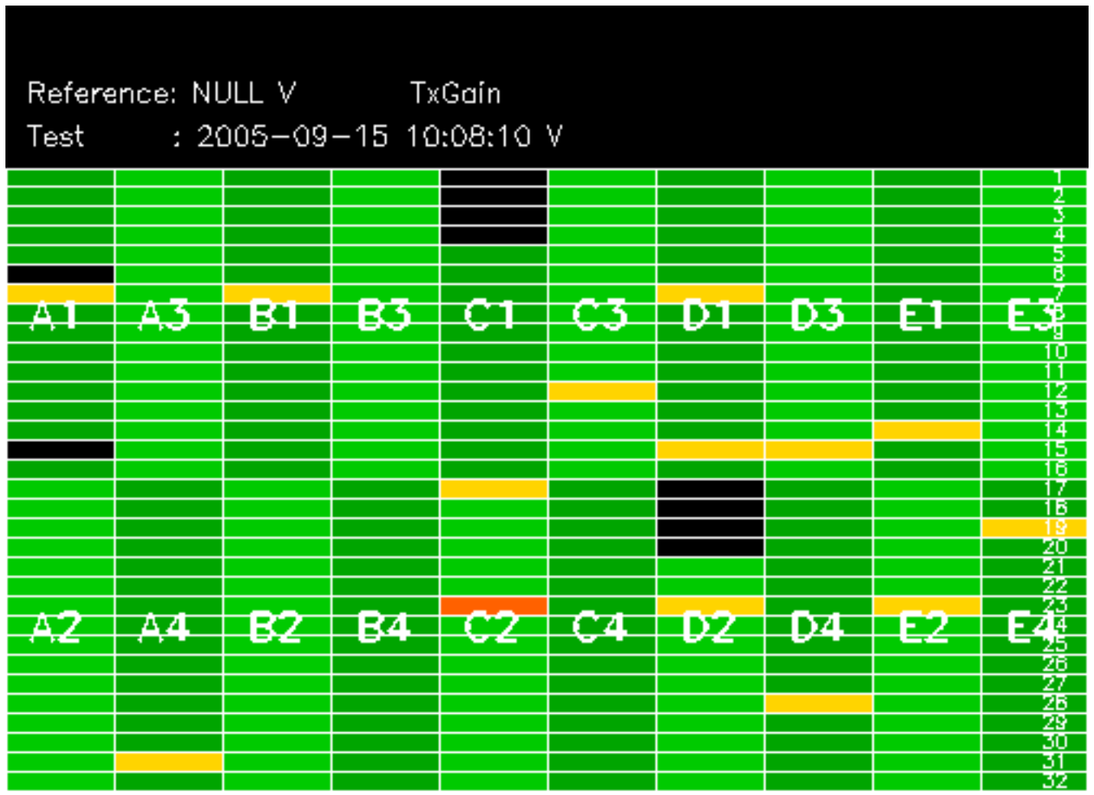

SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16−Aug
21−Aug
26−Aug
31−Aug
05−Sep
10−Sep
15−Sep


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-09-14 22:23:58 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

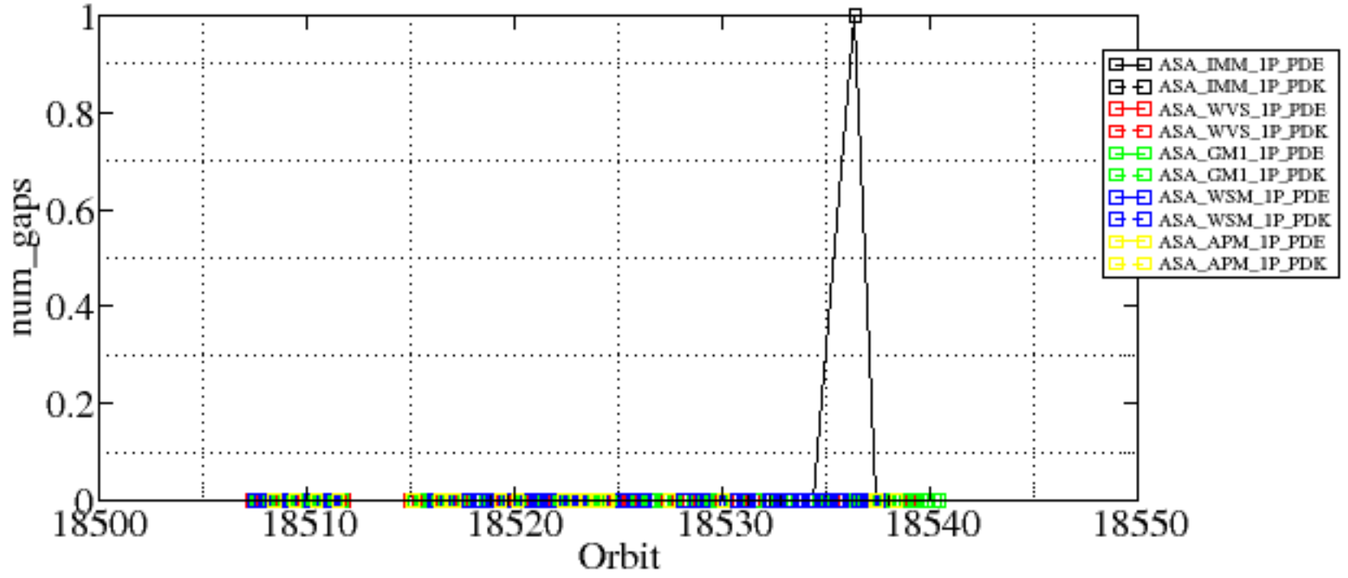

Reference: NULL H TxGain
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

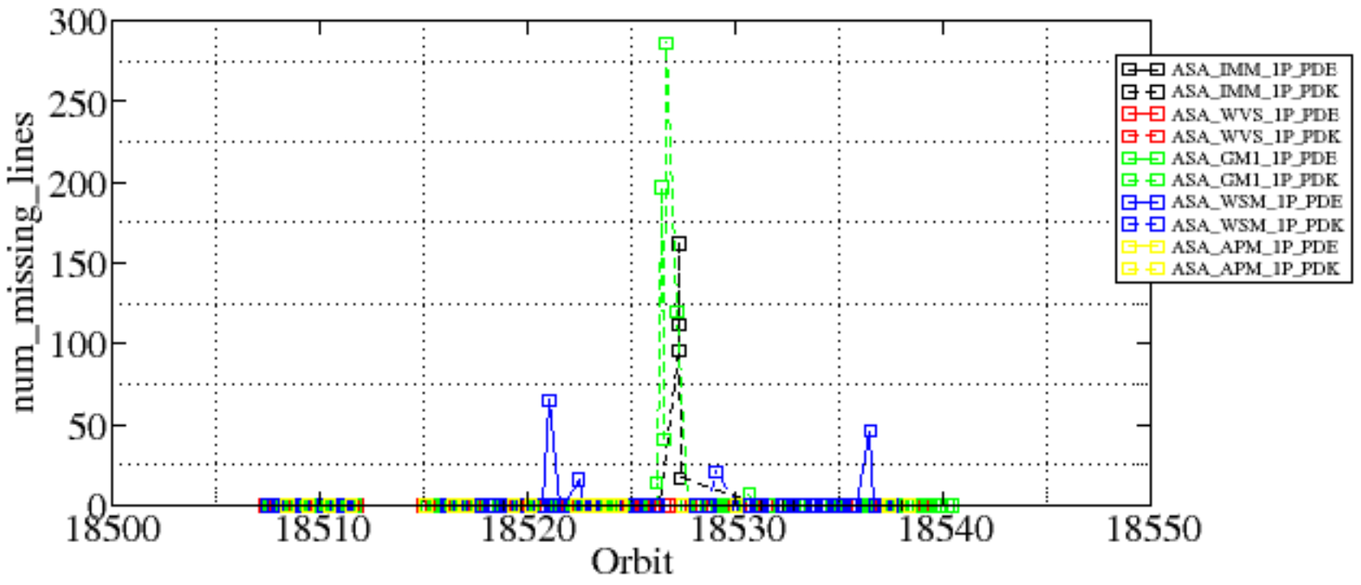

Reference: 2001-02-09 14:08:23 V
Test : 2005-09-15 10:08:10 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

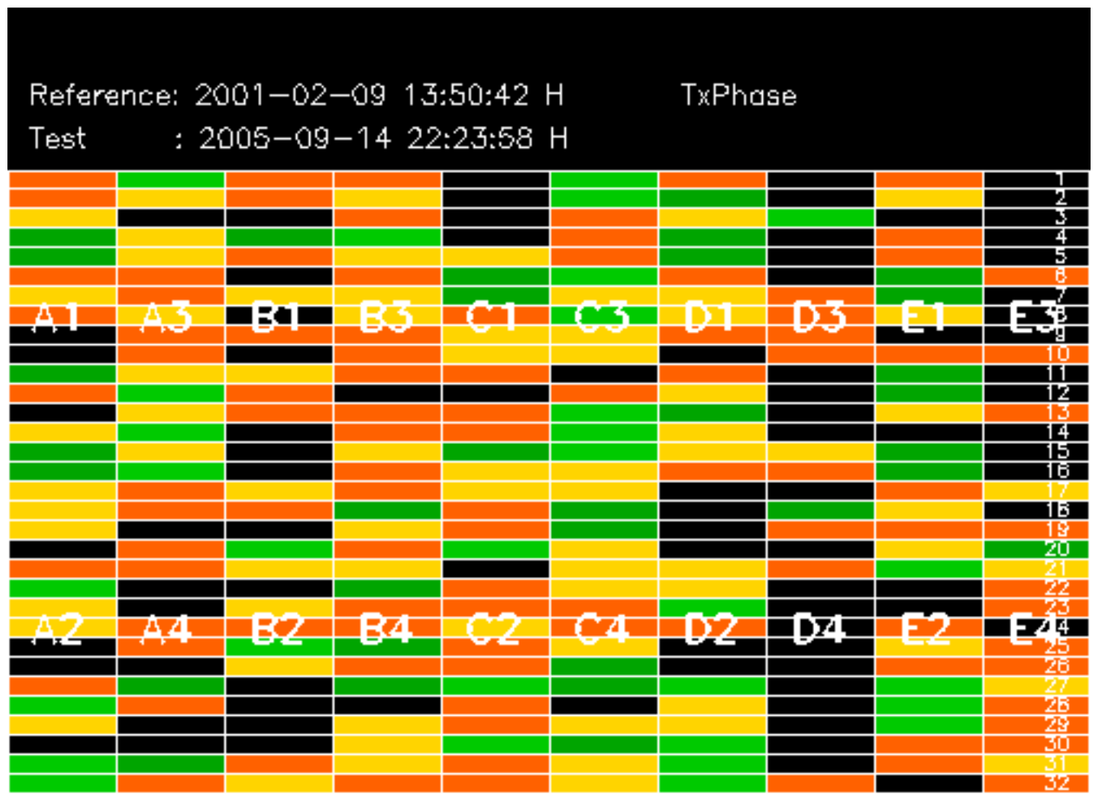

Reference: NULL V TxGain
Test : 2005-09-15 10:08:10 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

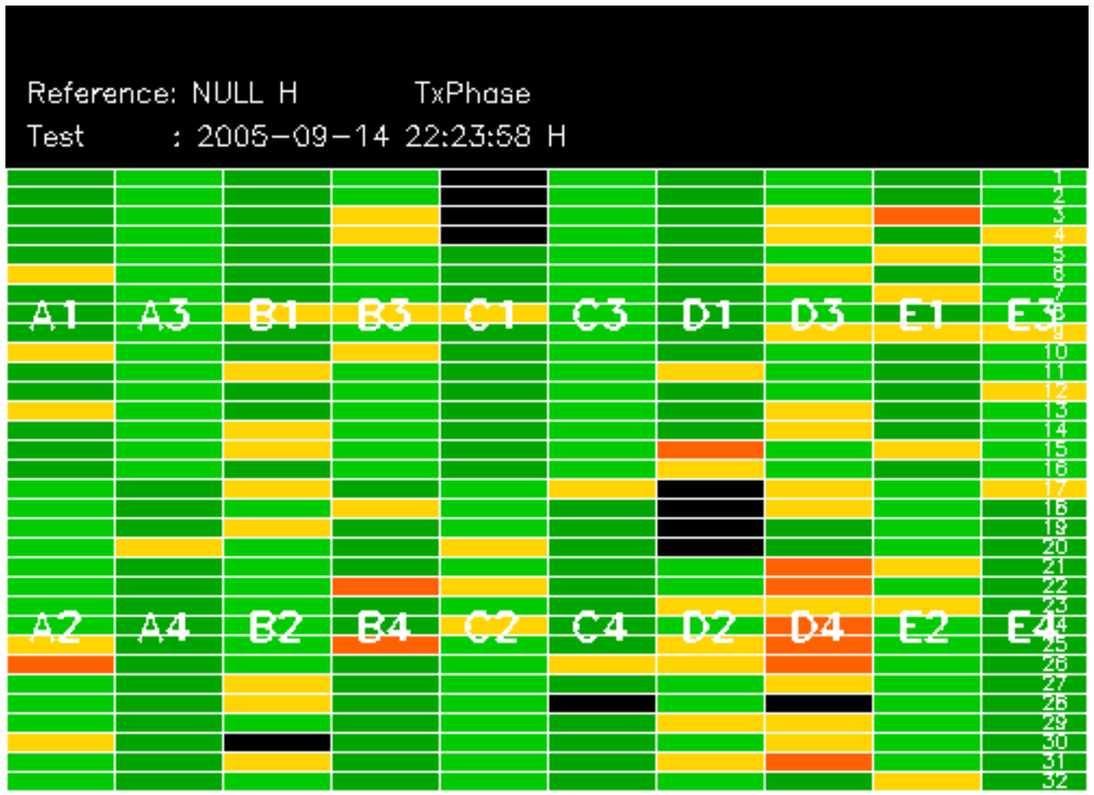
Summary of analysis for the last 3 days 2005091[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

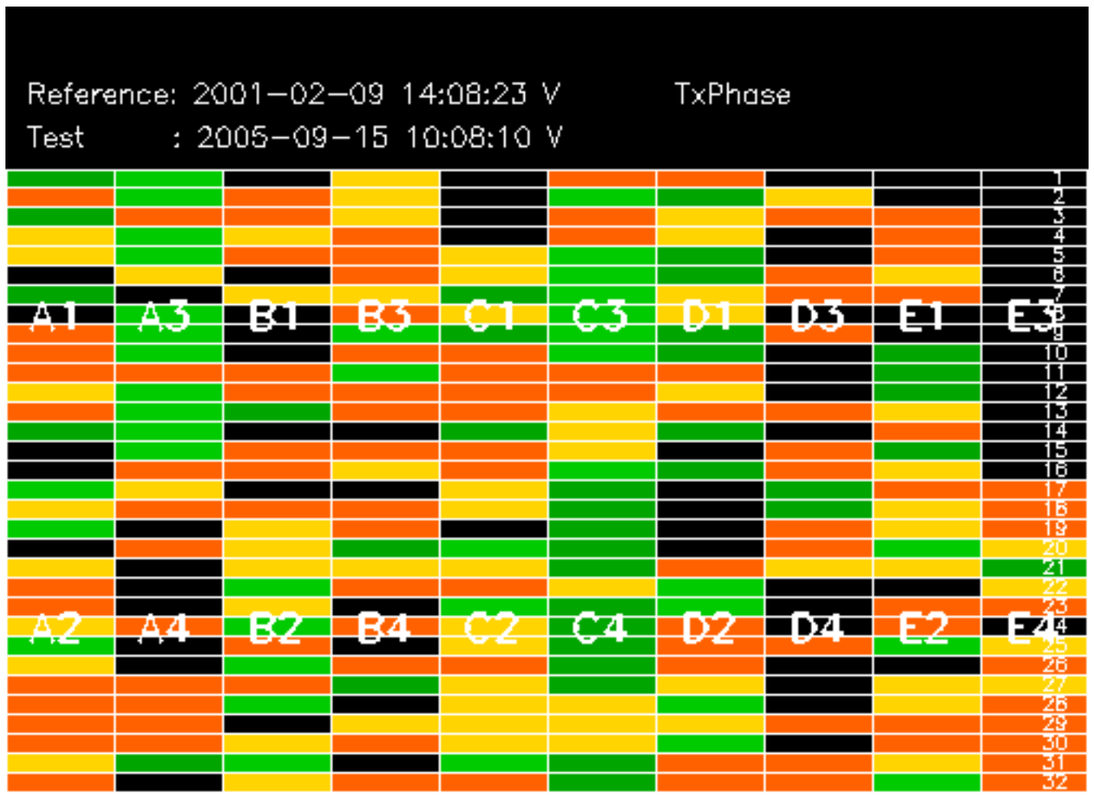
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20050916_004346_000001222040_00446_18536_5720.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050915_092744_000000132040_00437_18527_4038.N1 </td> <td>0 </td> <td>96 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050915_092757_000000222040_00437_18527_4093.N1 </td> <td>0 </td> <td>162 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050915_092929_000000192040_00437_18527_4037.N1 </td> <td>0 </td> <td>112 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20050915_093616_000000622040_00437_18527_4035.N1 </td> <td>0 </td> <td>17 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_074128_000005072040_00436_18526_5453.N1 </td> <td>0 </td> <td>14 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_080751_000005732040_00436_18526_5450.N1 </td> <td>0 </td> <td>197 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_081727_000001142040_00436_18526_5525.N1 </td> <td>0 </td> <td>41 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_082612_000011352040_00436_18526_5449.N1 </td> <td>0 </td> <td>286 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_091833_000005192040_00437_18527_5451.N1 </td> <td>0 </td> <td>120 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20050915_150835_000011362040_00440_18530_5490.N1 </td> <td>0 </td> <td>7 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050914_225857_000003002040_00431_18521_8744.N1 </td> <td>0 </td> <td>65 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050915_012427_000004282040_00432_18522_8770.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050916_005515_000002792040_00446_18536_8936.N1 </td> <td>0 </td> <td>46 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20050915_122838_000003972040_00439_18529_4159.N1 </td> <td>0 </td> <td>21 </td></tr>
</table>

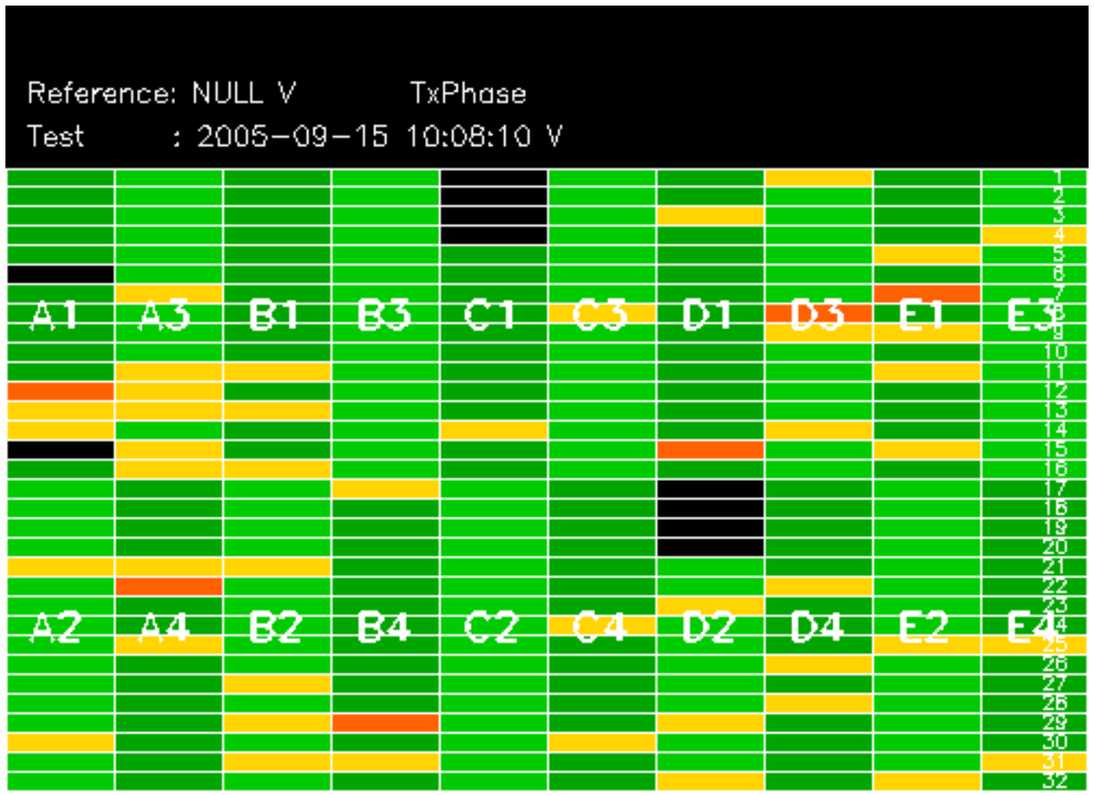

num_gaps
1
0.8
0.6
0.4
0.2
0
18500
18510
18520
18530
18540
18550
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
300
250
200
150
100
50
0
18500
18510
18520
18530
18540
18550
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
TxPhase
Test : 2005-09-14 22:23:58 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: NULL H TxPhase
Test : 2005-09-14 22:23:58 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
TxPhase
Test : 2005-09-15 10:08:10 V
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 : 2005-09-15 10:08:10 V
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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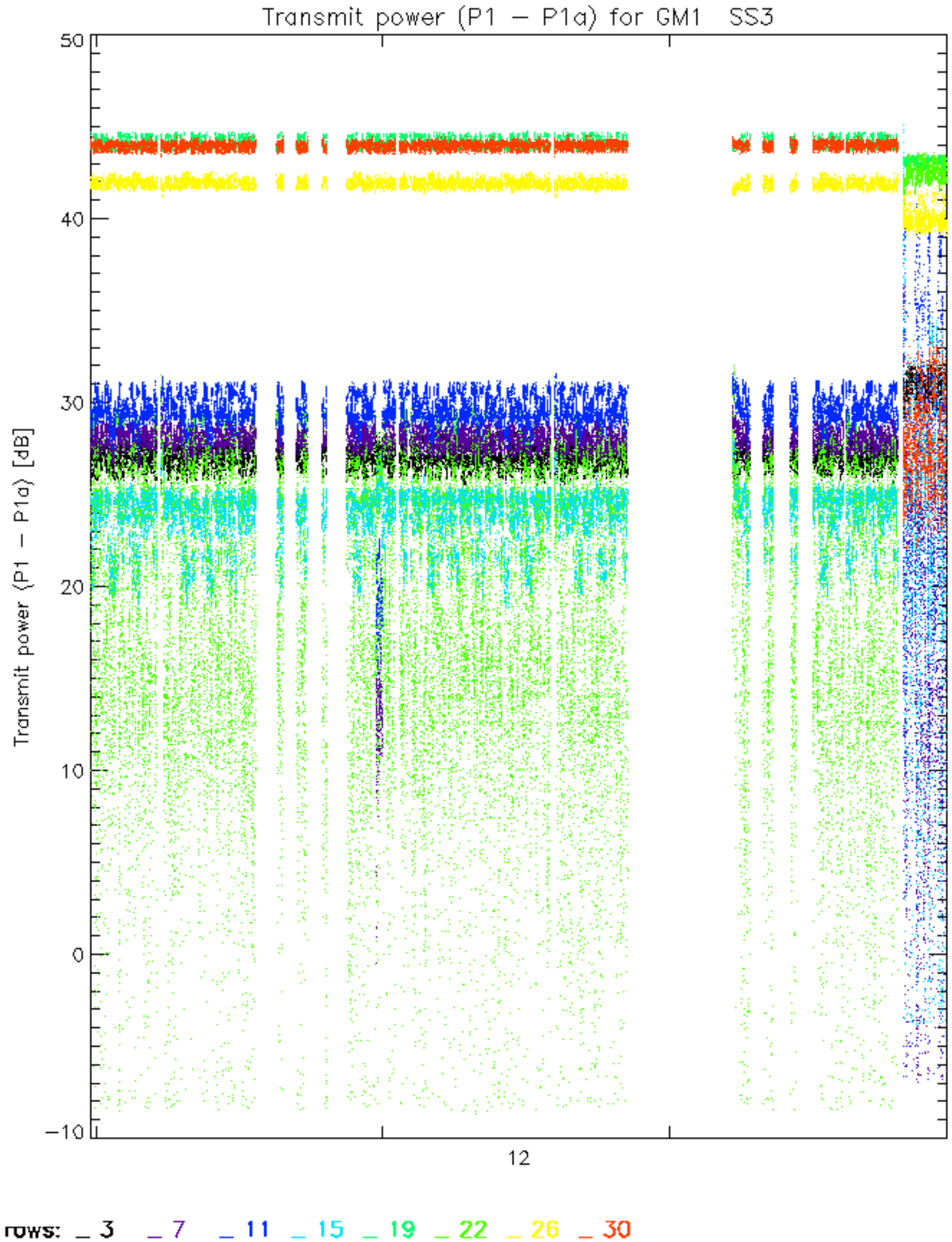
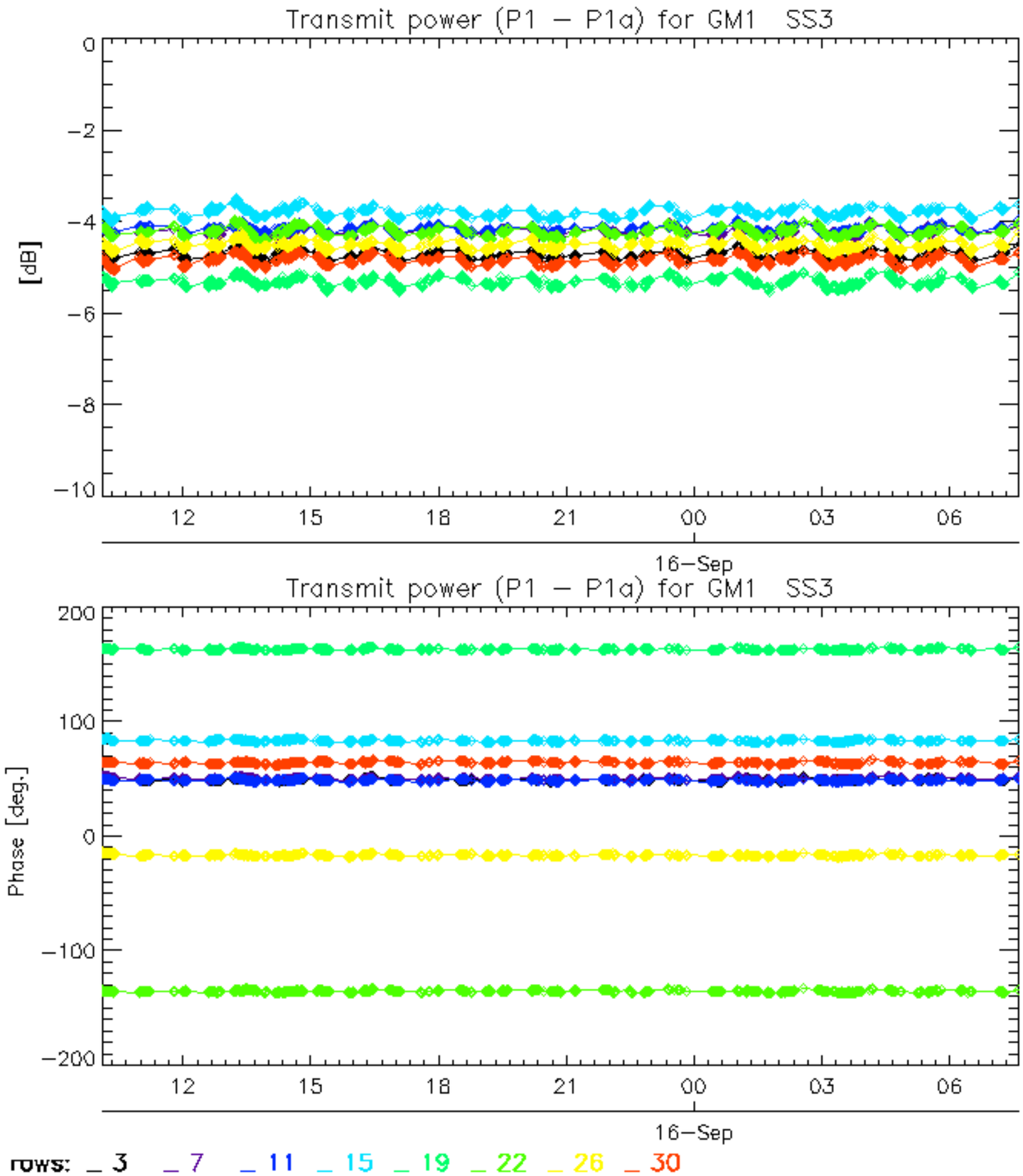
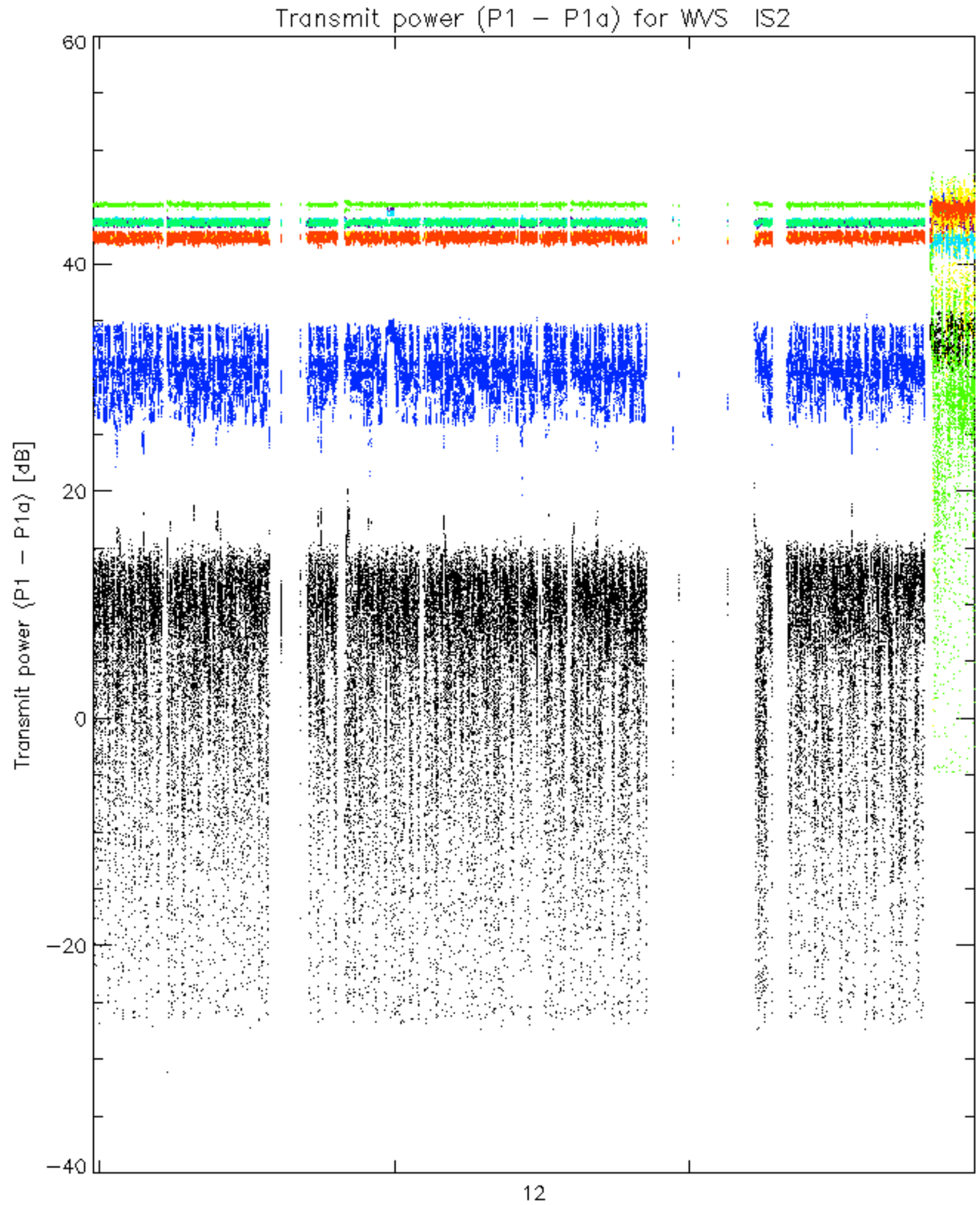
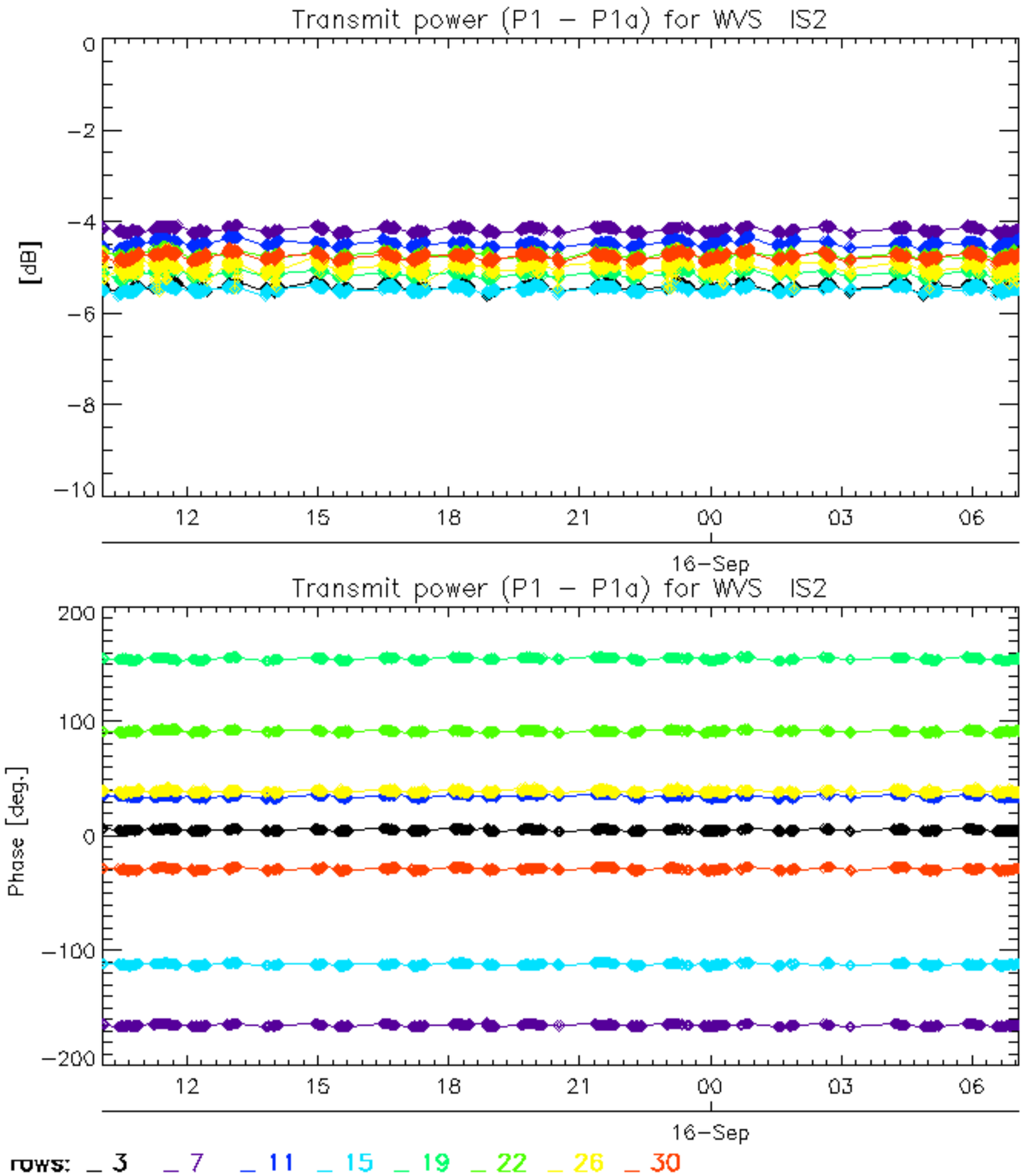
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
12
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
12
15
18
21
00
03
06
16–Sep
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
12
15
18
21
00
03
06
16–Sep
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
60
40
20
0
−20
−40
Transmit power (P1 – P1a) [dB]
12
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
12
15
18
21
00
03
06
16−Sep
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
12
15
18
21
00
03
06
16−Sep
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.