PRELIMINARY REPORT OF 051009

last update on Sun Oct 9 16:39:03 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 2005-10-08 00:00:00 to 2005-10-09 16:39:03

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	42	71	10	1	39
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	42	71	10	1	39
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	42	71	10	1	39
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	42	71	10	1	39

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	39	54	32	16	38
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	39	54	32	16	38
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	39	54	32	16	38
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	39	54	32	16	38

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	20051007 033424
H	20051008 030247

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	-3.543987	0.068720	-0.080075
7	P1	-2.982135	0.036942	0.442708
11	P1	-4.268427	0.142387	1.004141
15	P1	-5.936338	0.042163	-0.427654
19	P1	-3.220736	0.167546	0.517965
22	P1	-4.495756	0.023417	0.269954
26	P1	-4.465169	0.105918	0.847474
30	P1	-6.003253	0.466303	1.664733
3	P1	-15.839490	1.917273	1.419543
7	P1	-16.720257	4.944760	1.286959
11	P1	-18.251387	13.400480	9.255197
15	P1	-13.717053	9.609884	0.461458
19	P1	-13.737740	0.242256	0.871777
22	P1	-17.294737	24.156658	3.726710
26	P1	-17.785234	22.641197	5.646152
30	P1	-17.577356	9.463920	4.641735

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.829168	0.103098	-0.205105
7	P2	-22.555590	0.254089	-0.879583
11	P2	-16.102722	2.181823	-3.627121
15	P2	-7.204975	0.118496	-0.102490
19	P2	-9.177054	0.194286	0.205009
22	P2	-17.454721	0.243795	-1.198444
26	P2	-16.196005	0.133141	0.573148
30	P2	-19.471731	0.215122	-0.816821

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.175439	0.004847	-0.034236
7	P3	-8.175439	0.004847	-0.034236
11	P3	-8.175439	0.004847	-0.034236
15	P3	-8.175439	0.004847	-0.034236
19	P3	-8.175439	0.004847	-0.034236
22	P3	-8.175439	0.004847	-0.034236
26	P3	-8.175439	0.004847	-0.034236
30	P3	-8.175439	0.004847	-0.034236

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	-3.347598	0.277892	-1.385299
7	P1	-2.941466	0.069747	0.391434
11	P1	-3.178224	0.288957	1.564456
15	P1	-3.464102	0.032688	0.352318
19	P1	-3.343349	0.064811	0.100135
22	P1	-5.175937	0.170954	0.289454
26	P1	-5.950899	0.654471	1.186296
30	P1	-5.309894	0.377233	0.734002
3	P1	-11.503249	0.455040	0.223771
7	P1	-11.458083	21.167694	5.508123
11	P1	-12.525821	41.468910	9.689118
15	P1	-12.642132	35.937946	7.503002
19	P1	-15.321014	0.224819	-0.421999
22	P1	-21.643320	5.488811	5.959303
26	P1	-17.291172	5.412046	0.032978
30	P1	-19.458975	1.920181	2.556042

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.629738	0.061098	-0.414382
7	P2	-22.843634	0.278470	-1.087287
11	P2	-11.280351	0.909054	-2.472690
15	P2	-4.932669	0.047290	0.244441
19	P2	-6.787853	0.115696	-0.400448
22	P2	-7.804370	0.238710	-1.388069
26	P2	-23.879385	0.043200	0.147910
30	P2	-22.076578	0.060319	0.034693

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.018426	0.002921	-0.037919
7	P3	-8.018454	0.002919	-0.038216
11	P3	-8.018231	0.002924	-0.038417
15	P3	-8.018317	0.002924	-0.038376
19	P3	-8.018547	0.002924	-0.038035
22	P3	-8.018271	0.002925	-0.038253
26	P3	-8.018565	0.002921	-0.038391
30	P3	-8.018336	0.002934	-0.037900

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	0.000532509
	stdev	1.84221e-07
MEAN Q	mean	0.000523911
	stdev	2.18578e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135412
	stdev	0.00110672
STDEV Q	mean	0.135733
	stdev	0.00112224

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005100[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_1PNPDE20051007_155150_000000772041_00255_18846_7711.N1	1	0
ASA_IMM_1PNPDK20051007_124322_000000532041_00253_18844_5323.N1	1	0
ASA_GM1_1PNPDK20051008_135751_000010812041_00268_18859_7798.N1	0	31
ASA_WSM_1PNPDE20051007_013227_000002392041_00246_18837_2779.N1	0	55
ASA_WSM_1PNPDE20051008_170158_000002382041_00270_18861_2998.N1	0	15
ASA_WSM_1PNPDK20051008_134137_000000912041_00268_18859_6455.N1	0	60
ASA_WSM_1PNPDK20051008_134139_000000852041_00268_18859_6504.N1	0	60
ASA_APM_1PNPDE20051007_141715_000000822041_00254_18845_1696.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

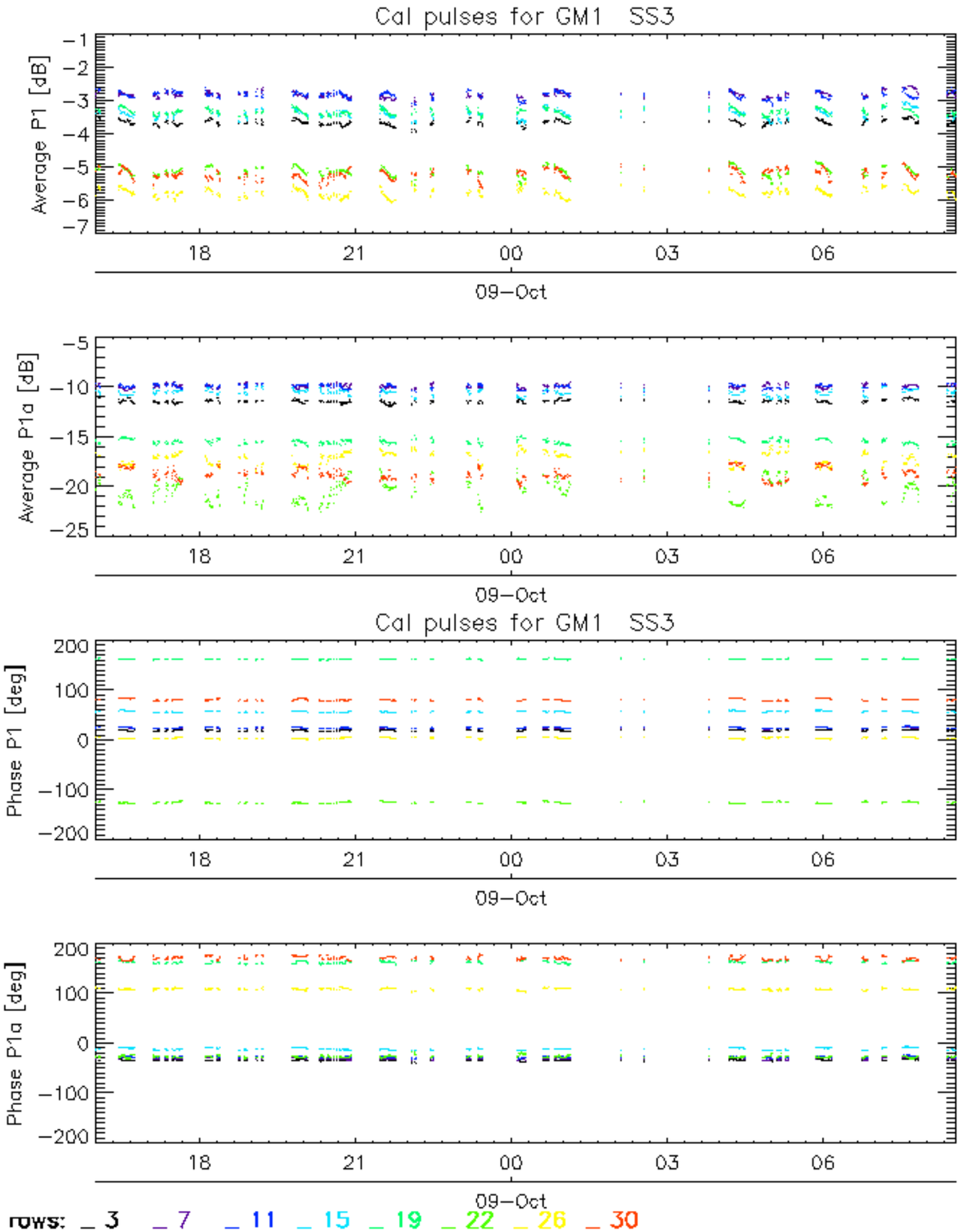
Evolution of Absolute Doppler

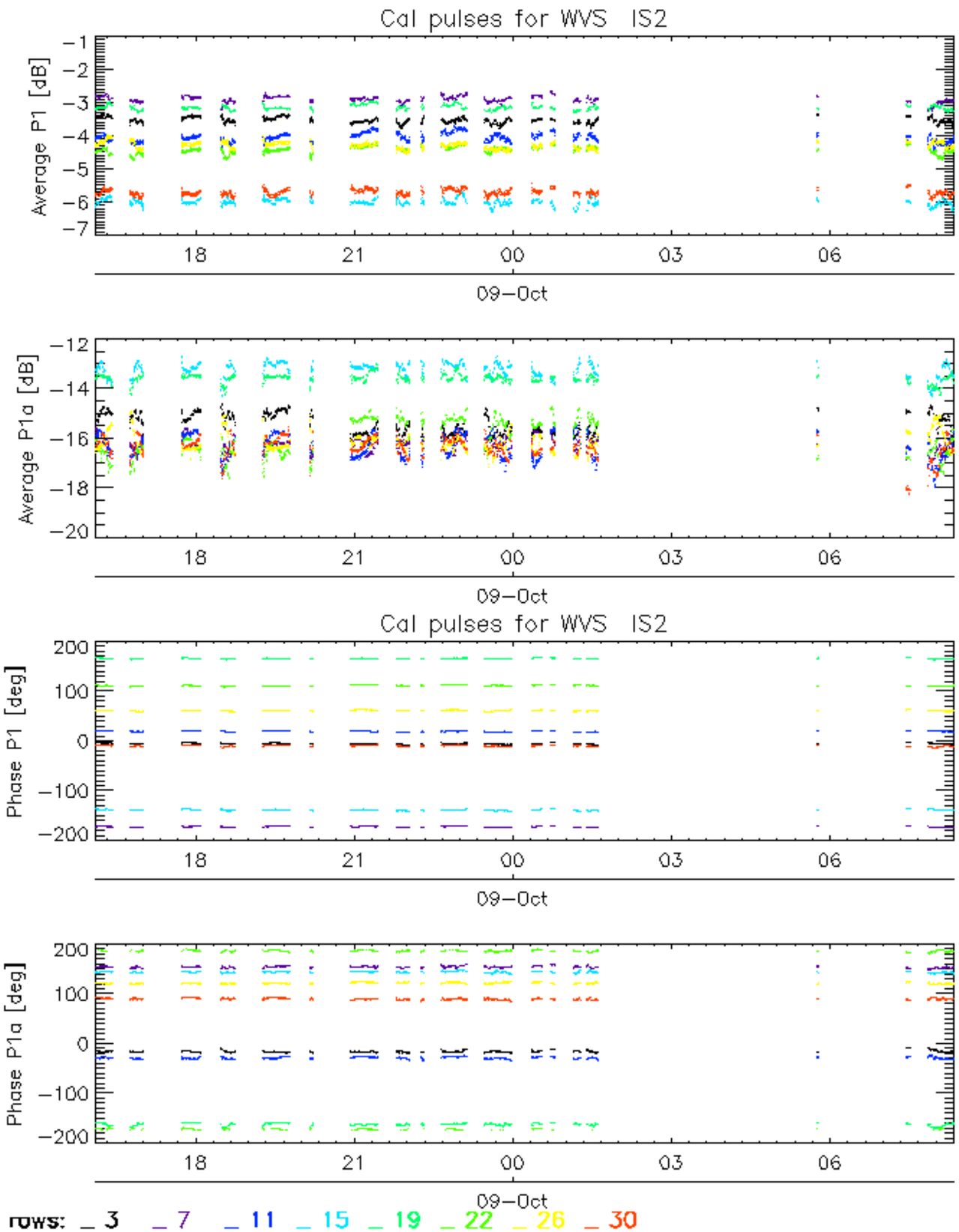
Acsending

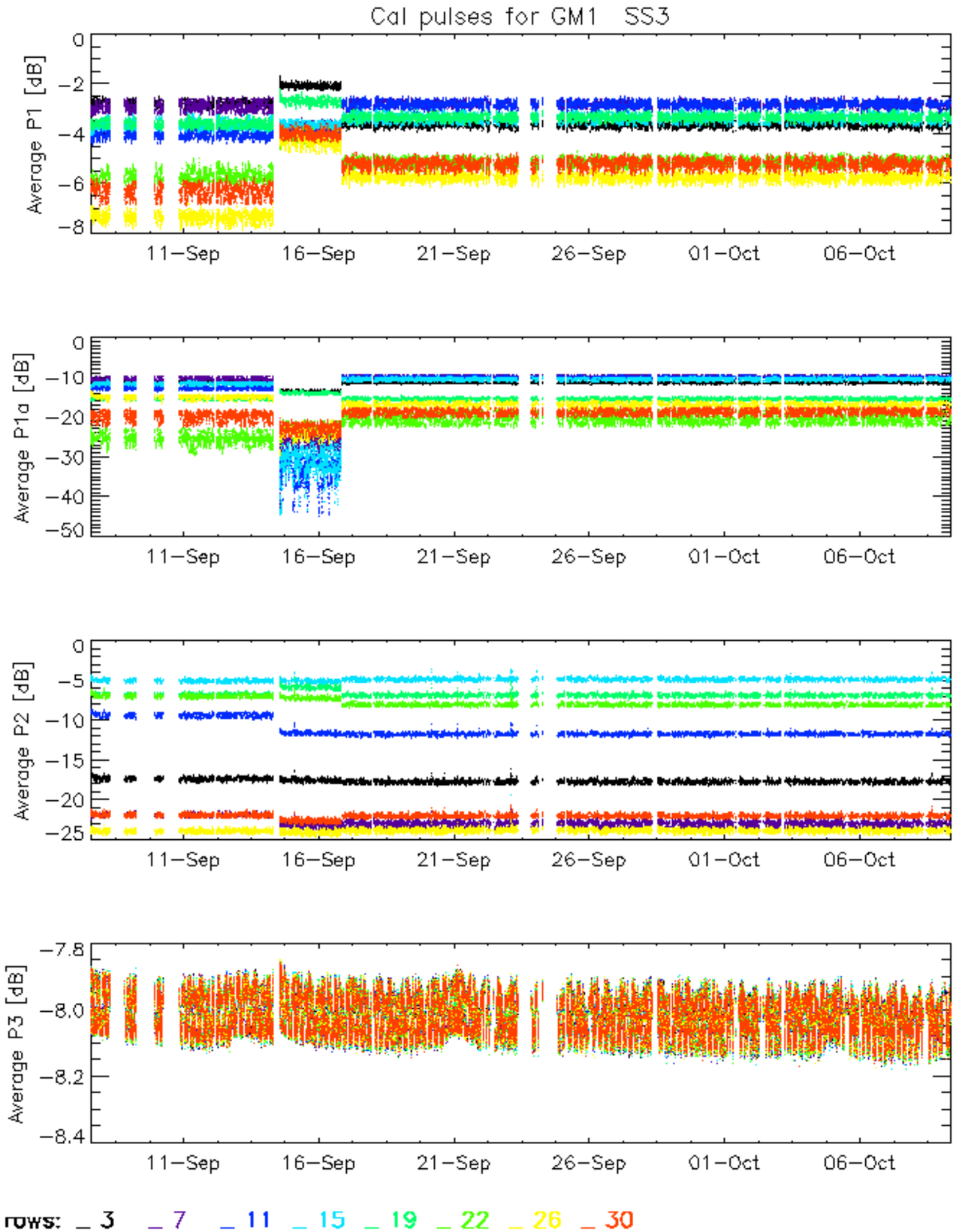
Descending

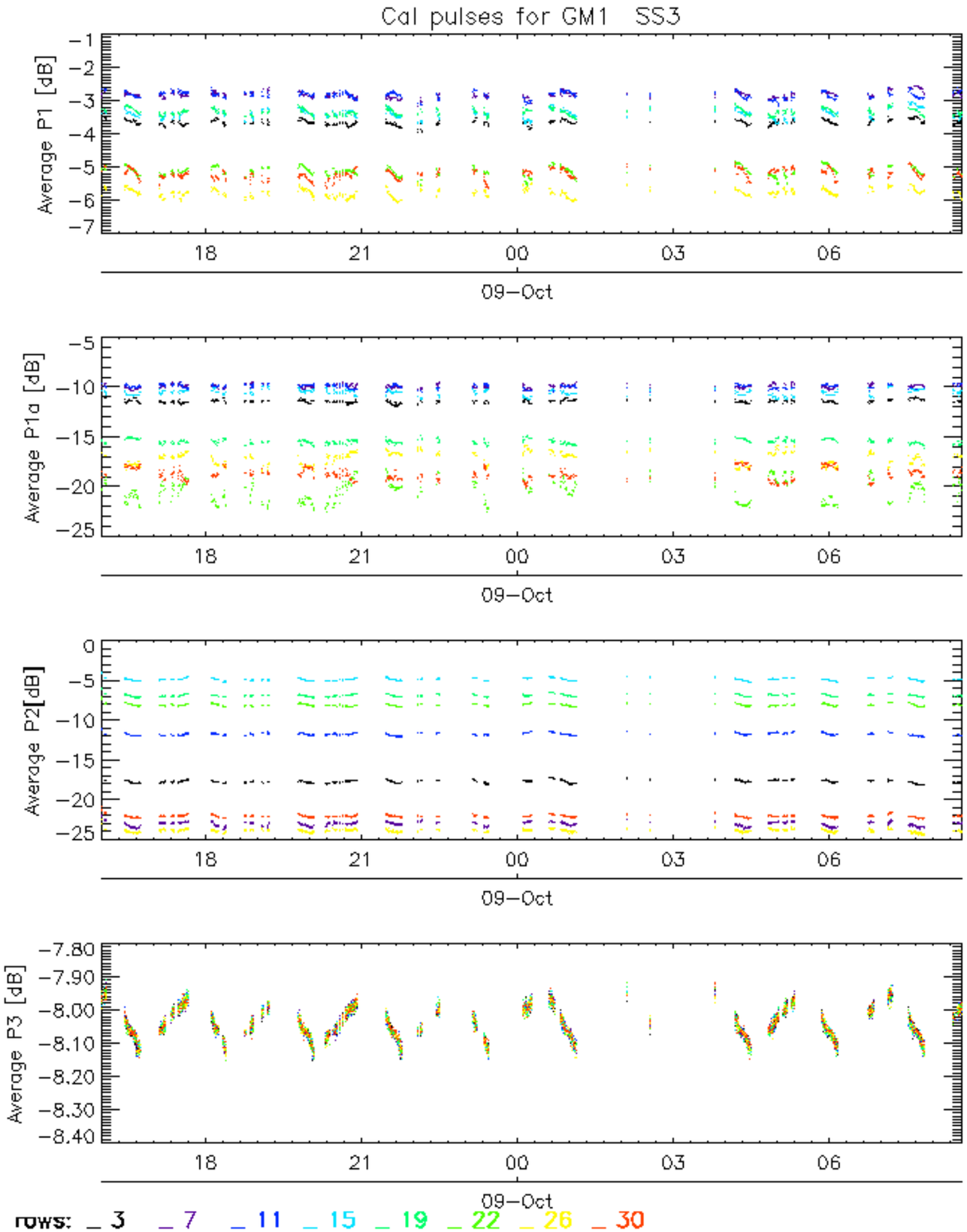
7.6 - Doppler evolution versus ANX for GM1

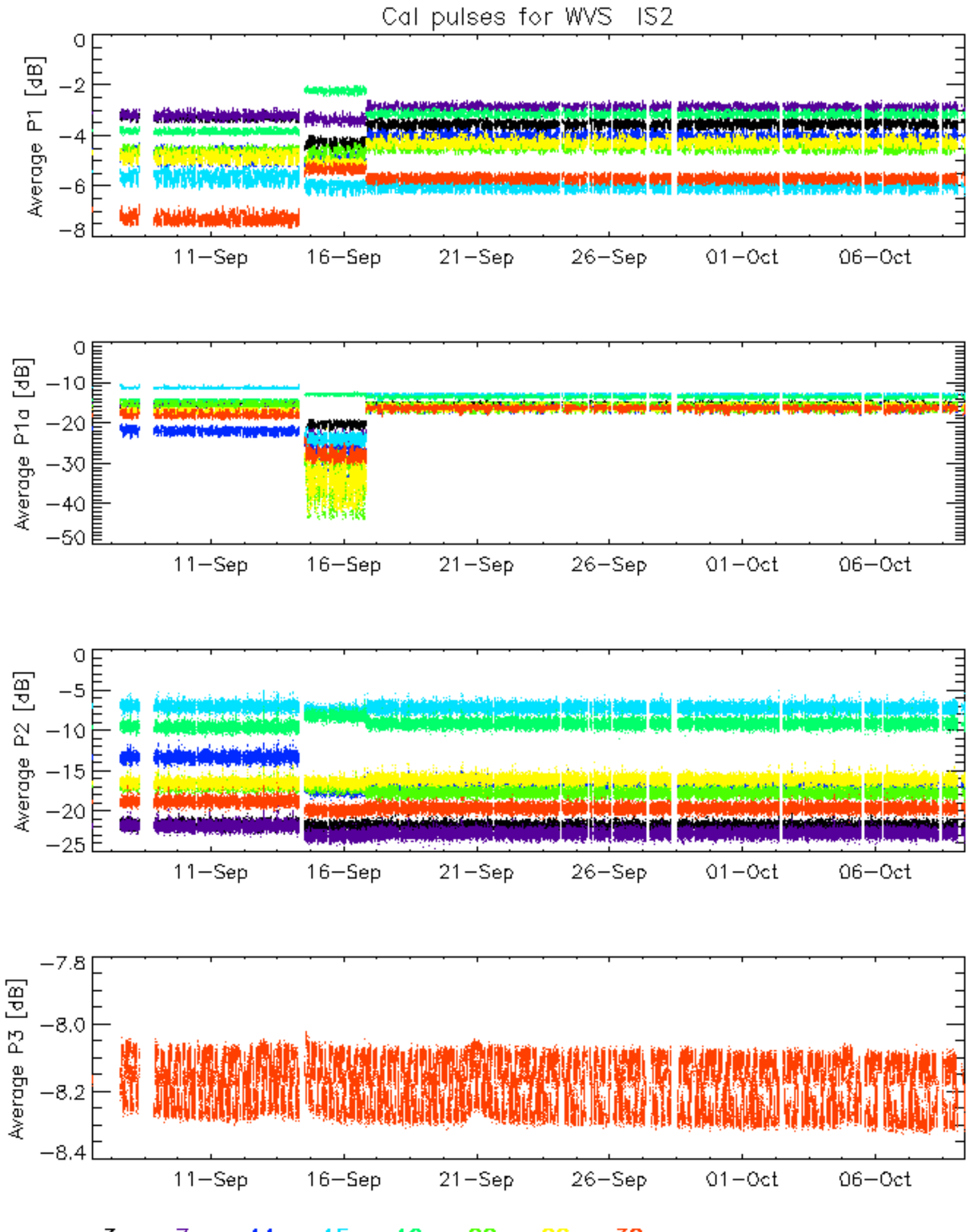
Evolution Doppler error versus ANX

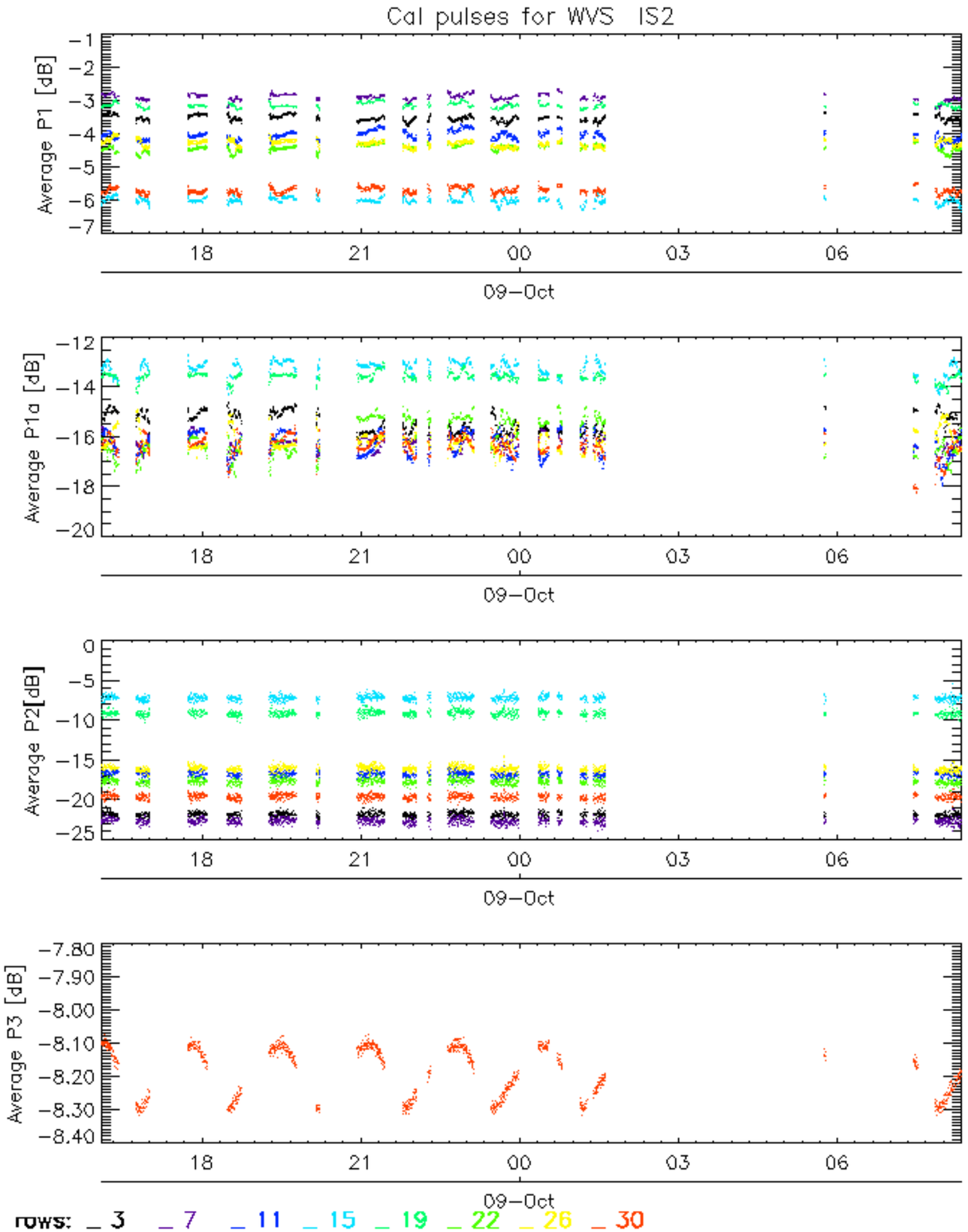


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09−Oct
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Oct
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Oct
rows: _ 3 _ 7 _ 11 _ 15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


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

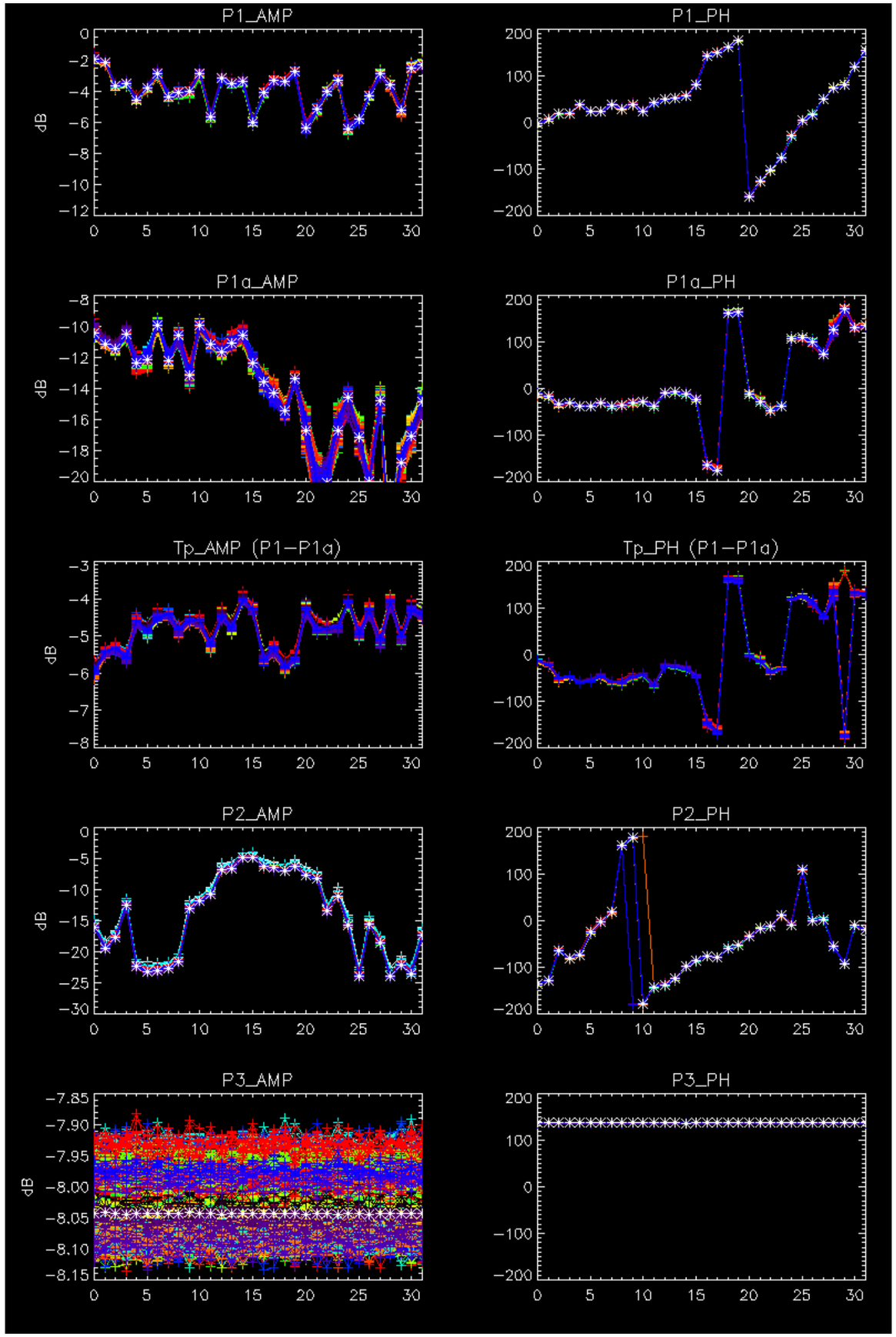

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct
Average P1a [dB]
0
−10
−20
−30
−40
−50
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

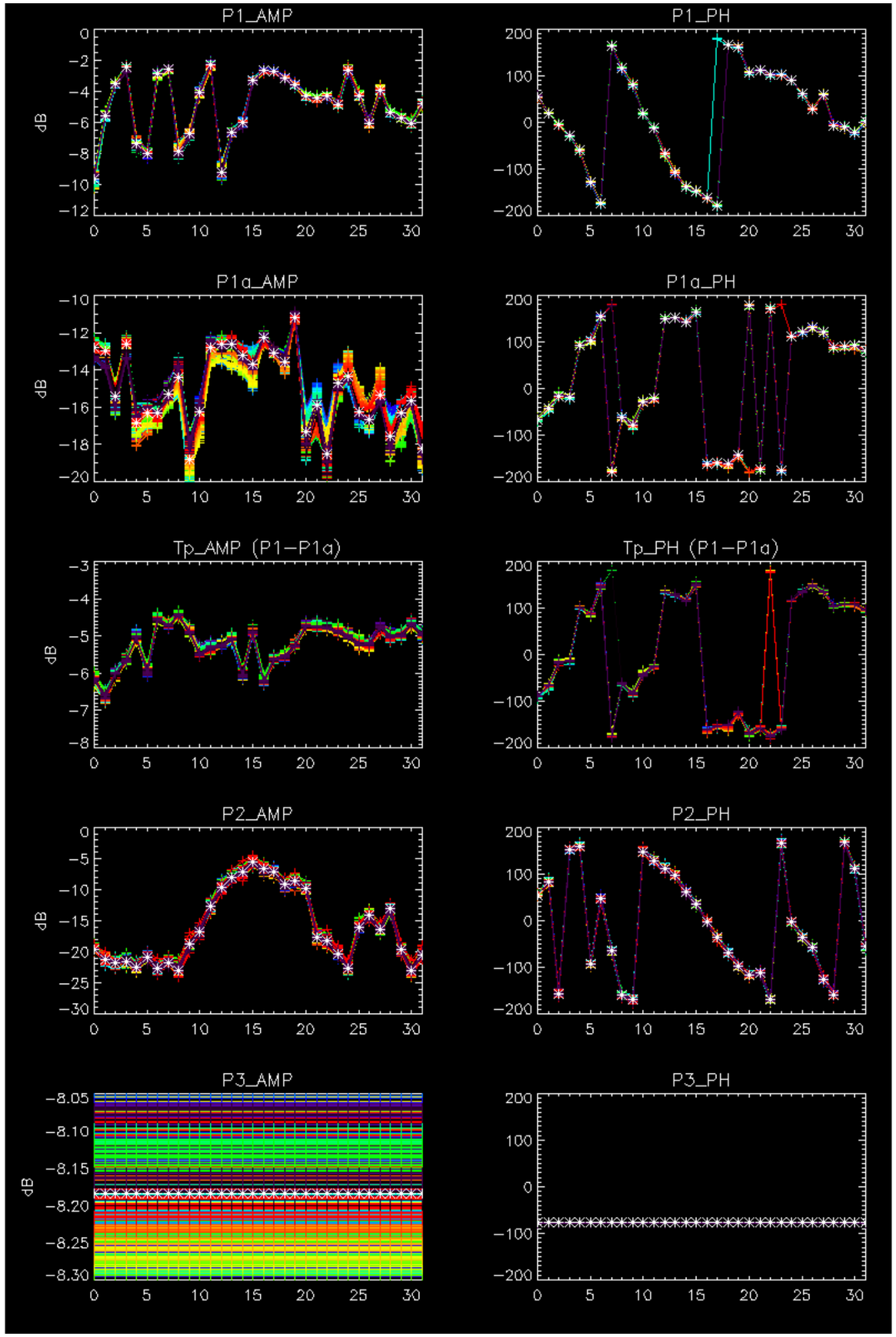

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09−Oct
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09−Oct
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09−Oct
rows: _ 3 _ 7 _ 11 _ 15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


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

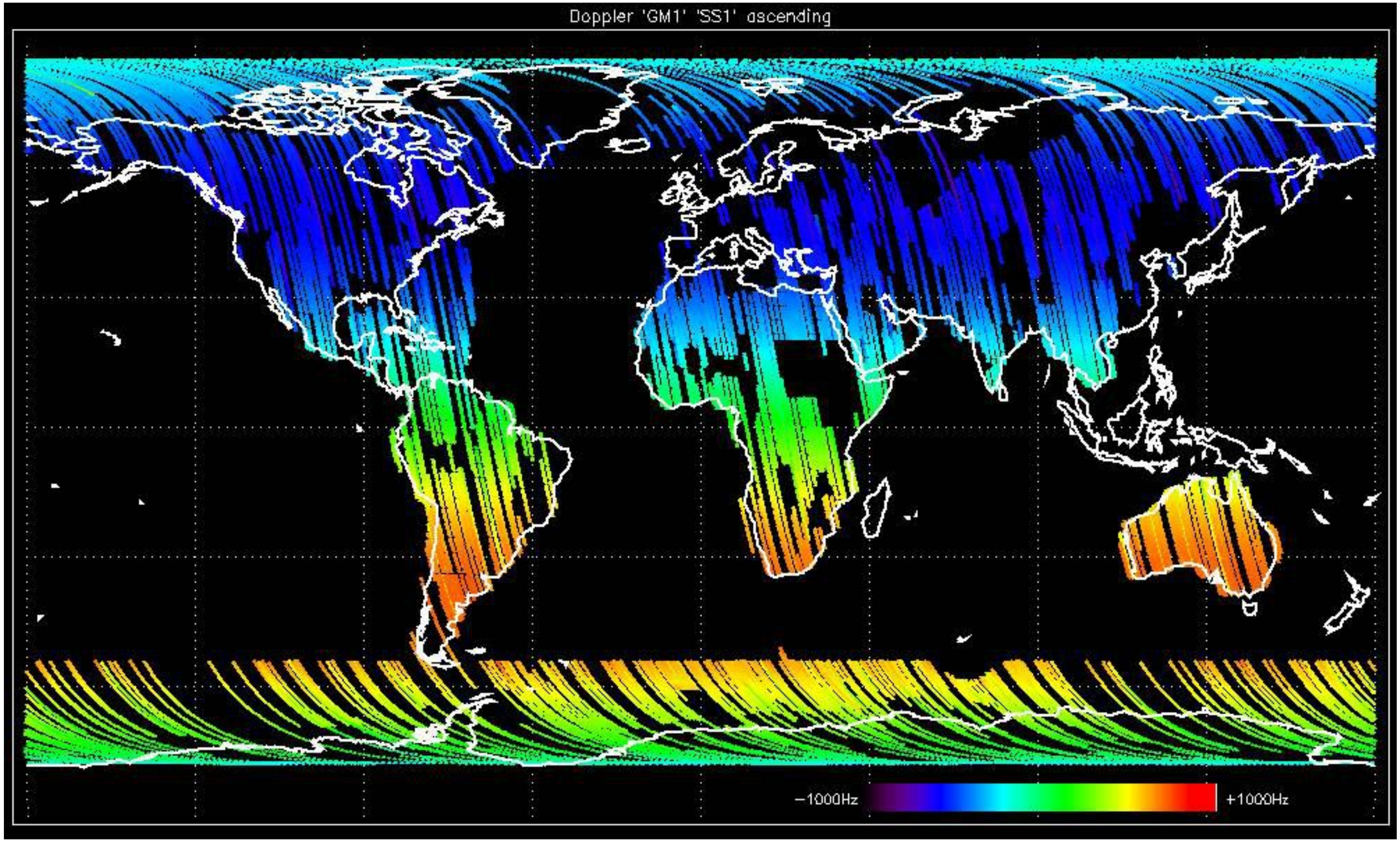
No anomalies observed.

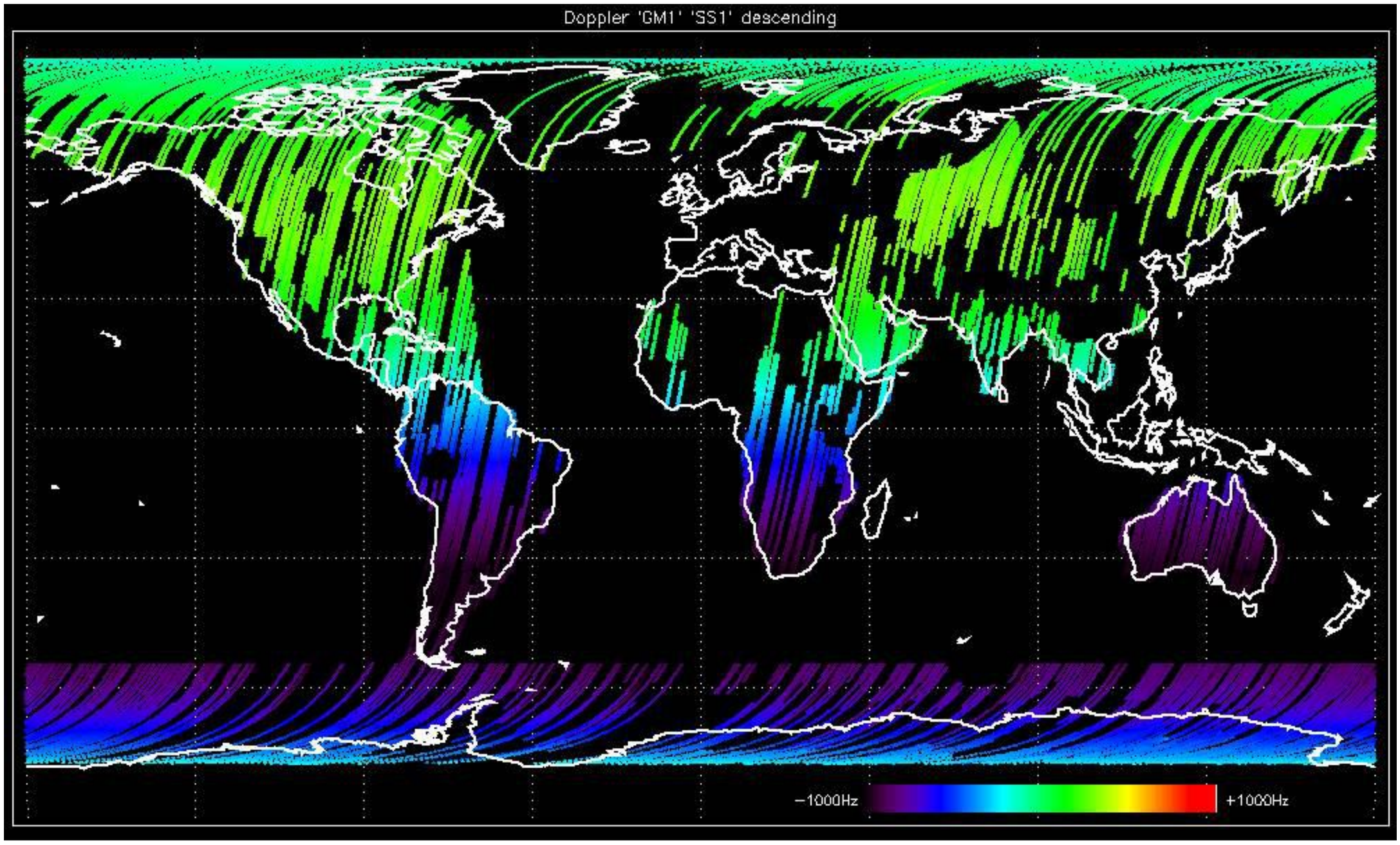

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

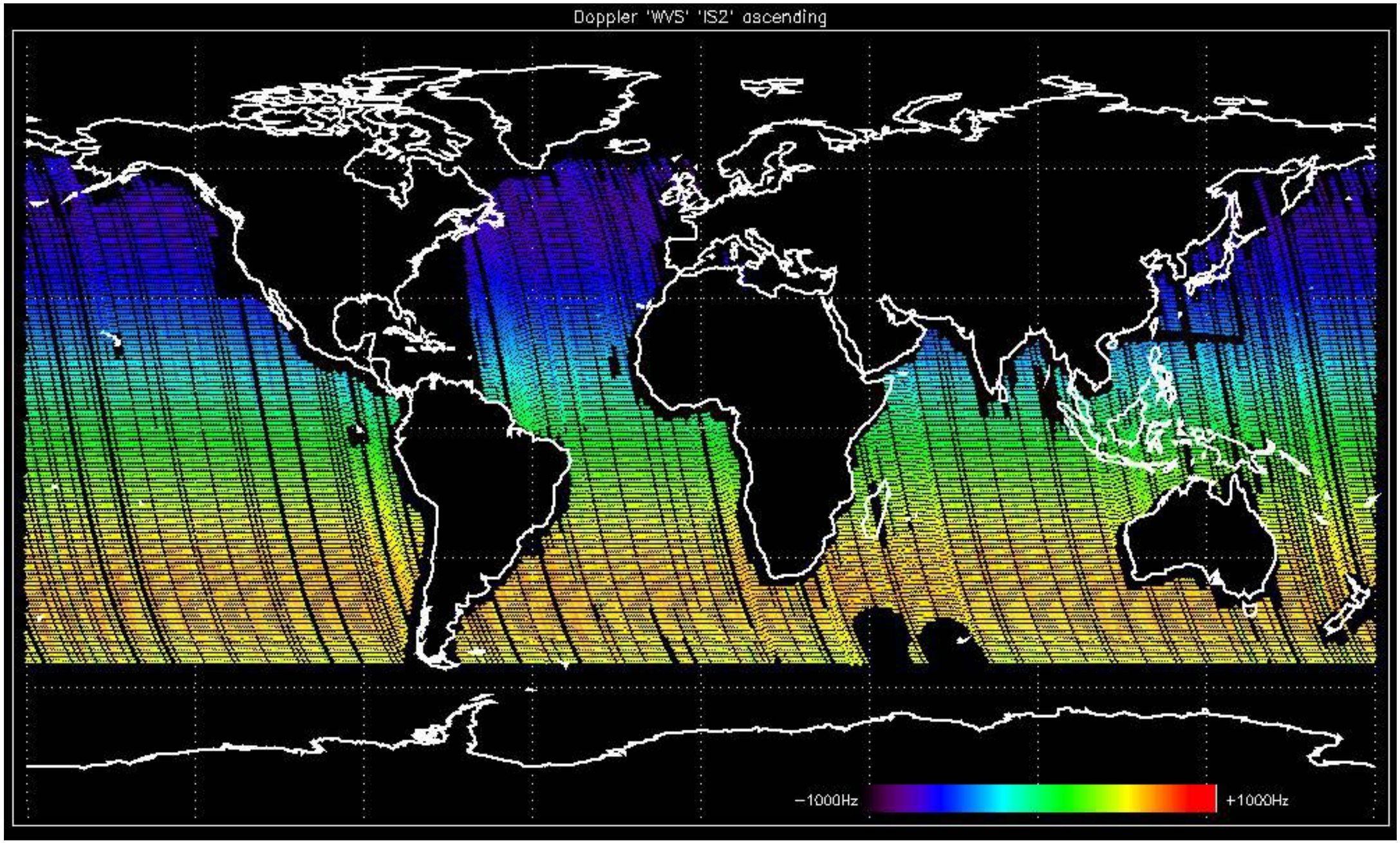

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

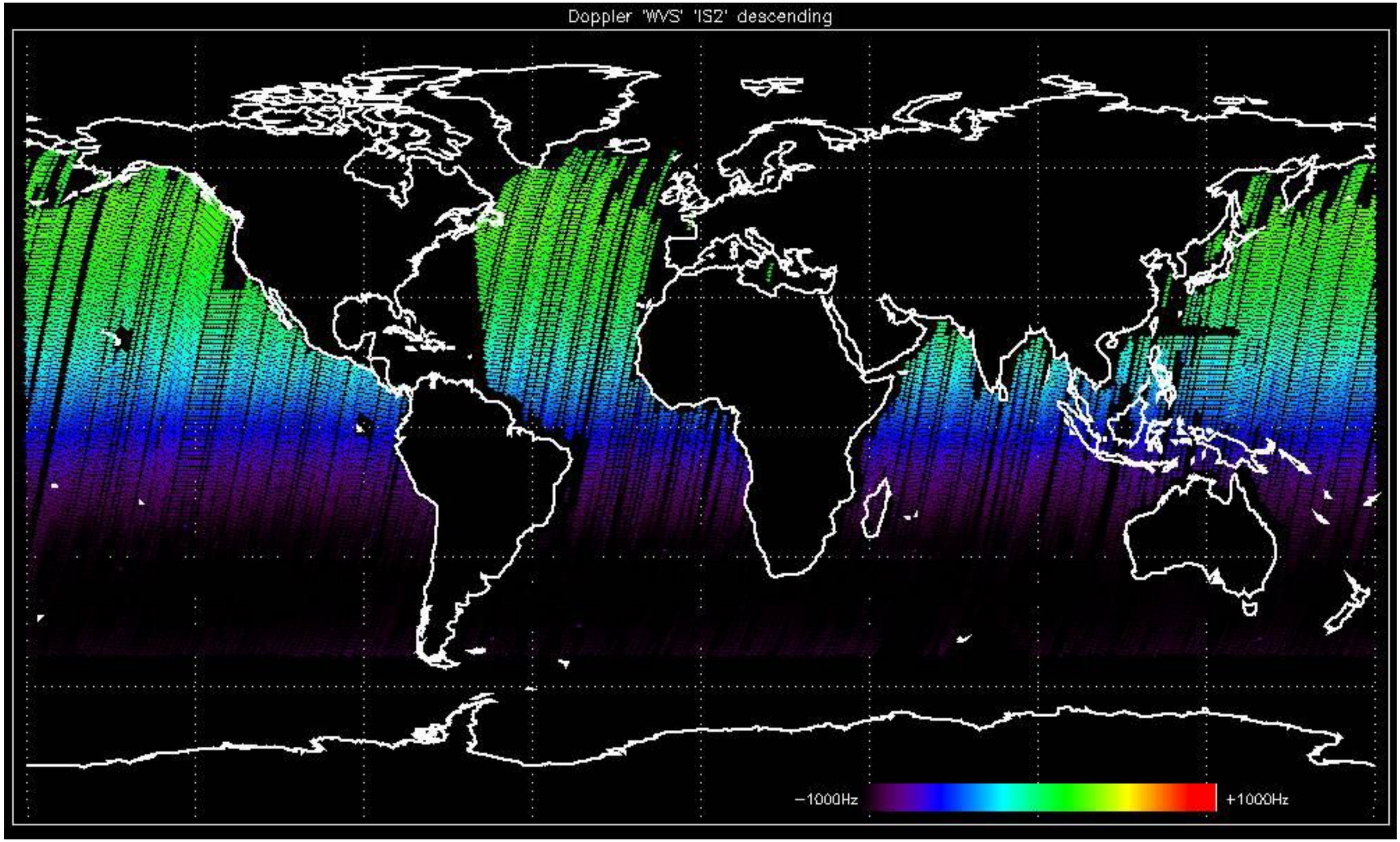
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

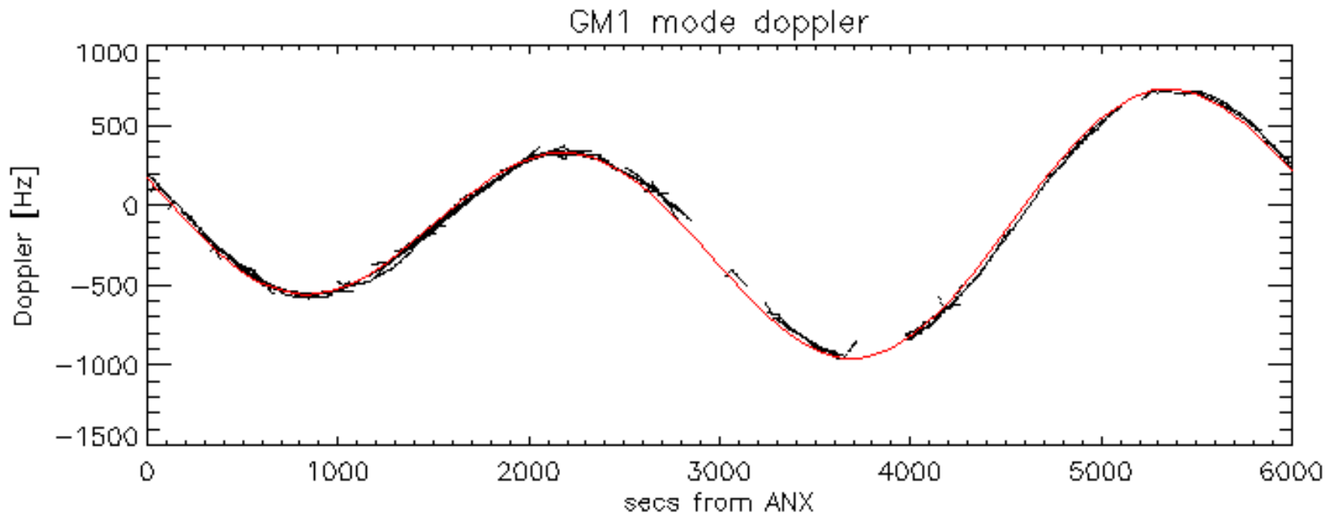
Preliminary report.The data is not yet controled

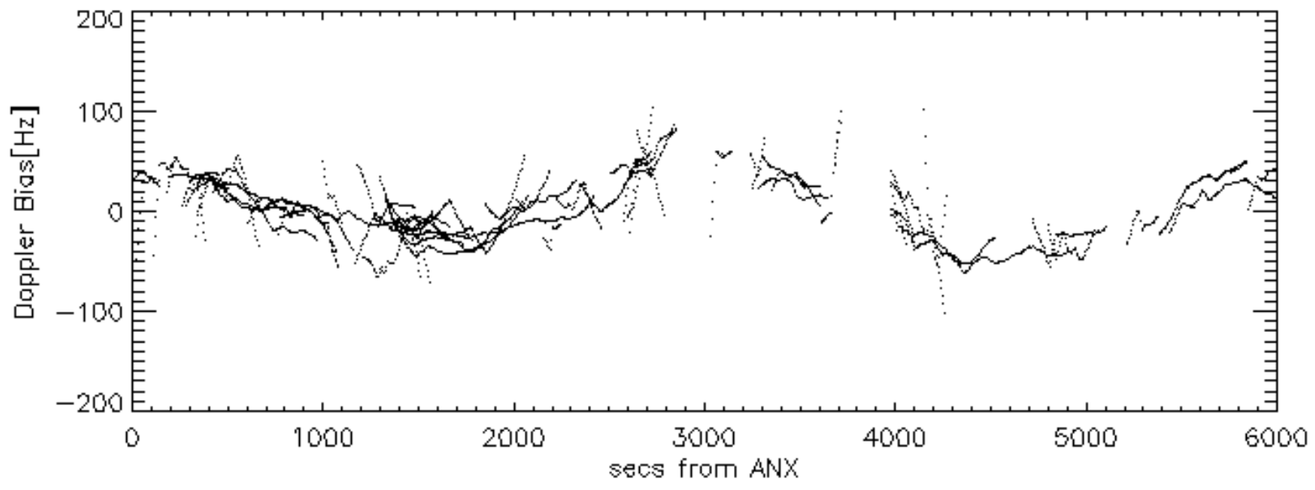

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

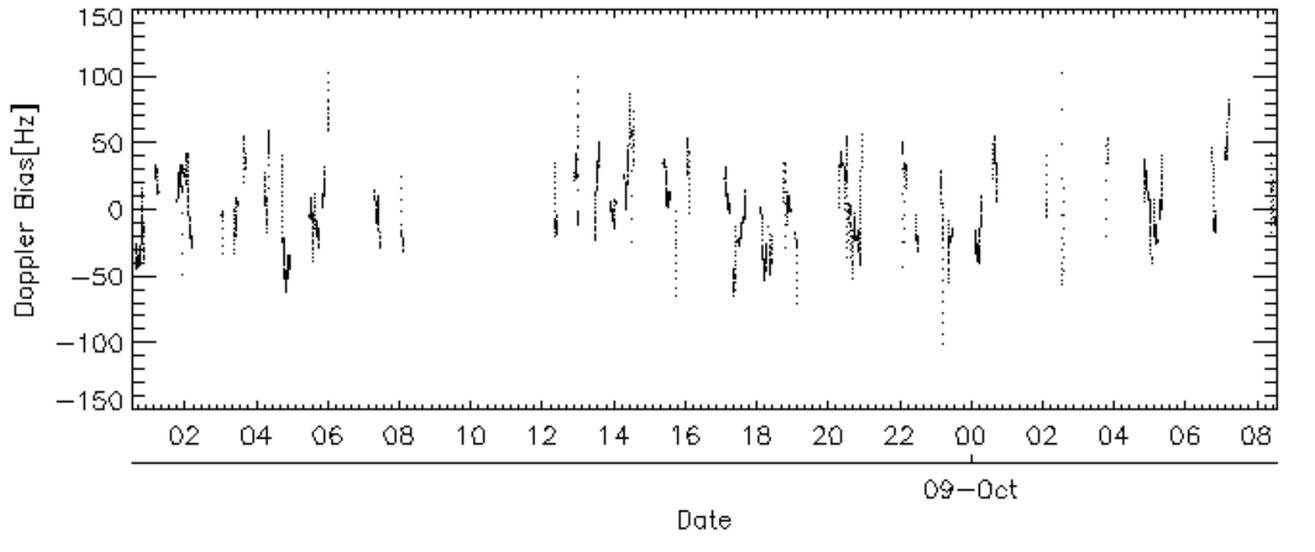

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

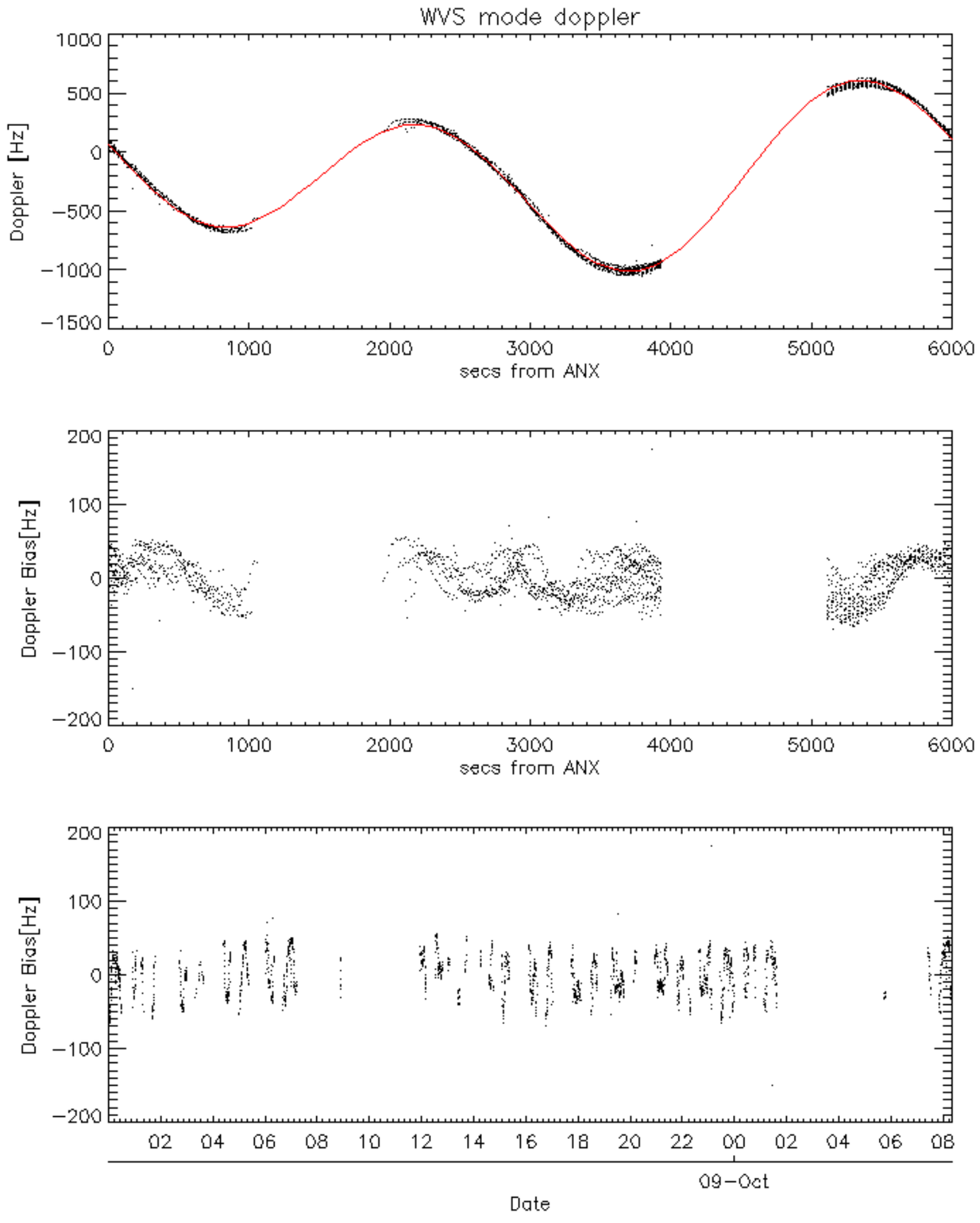

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

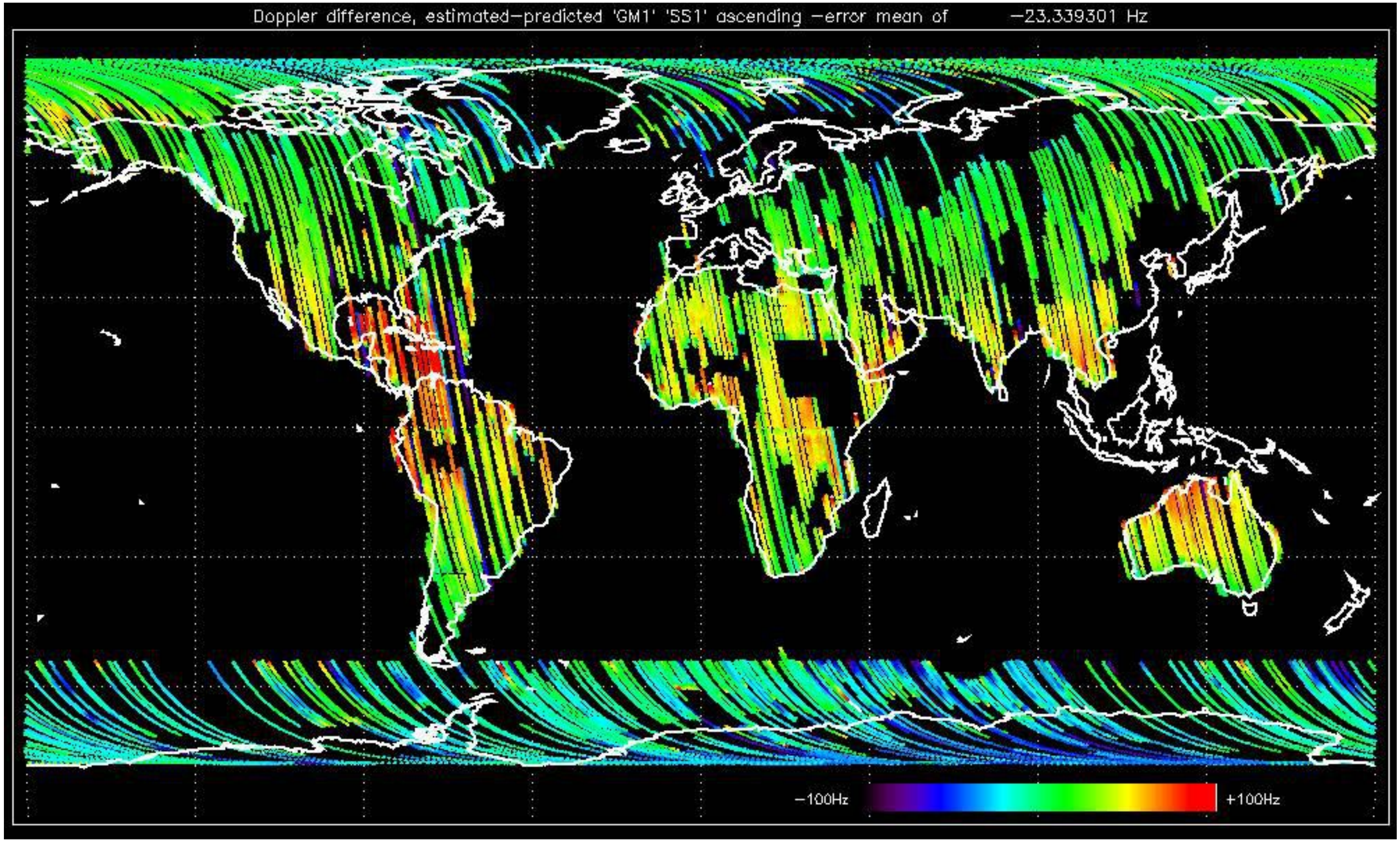

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

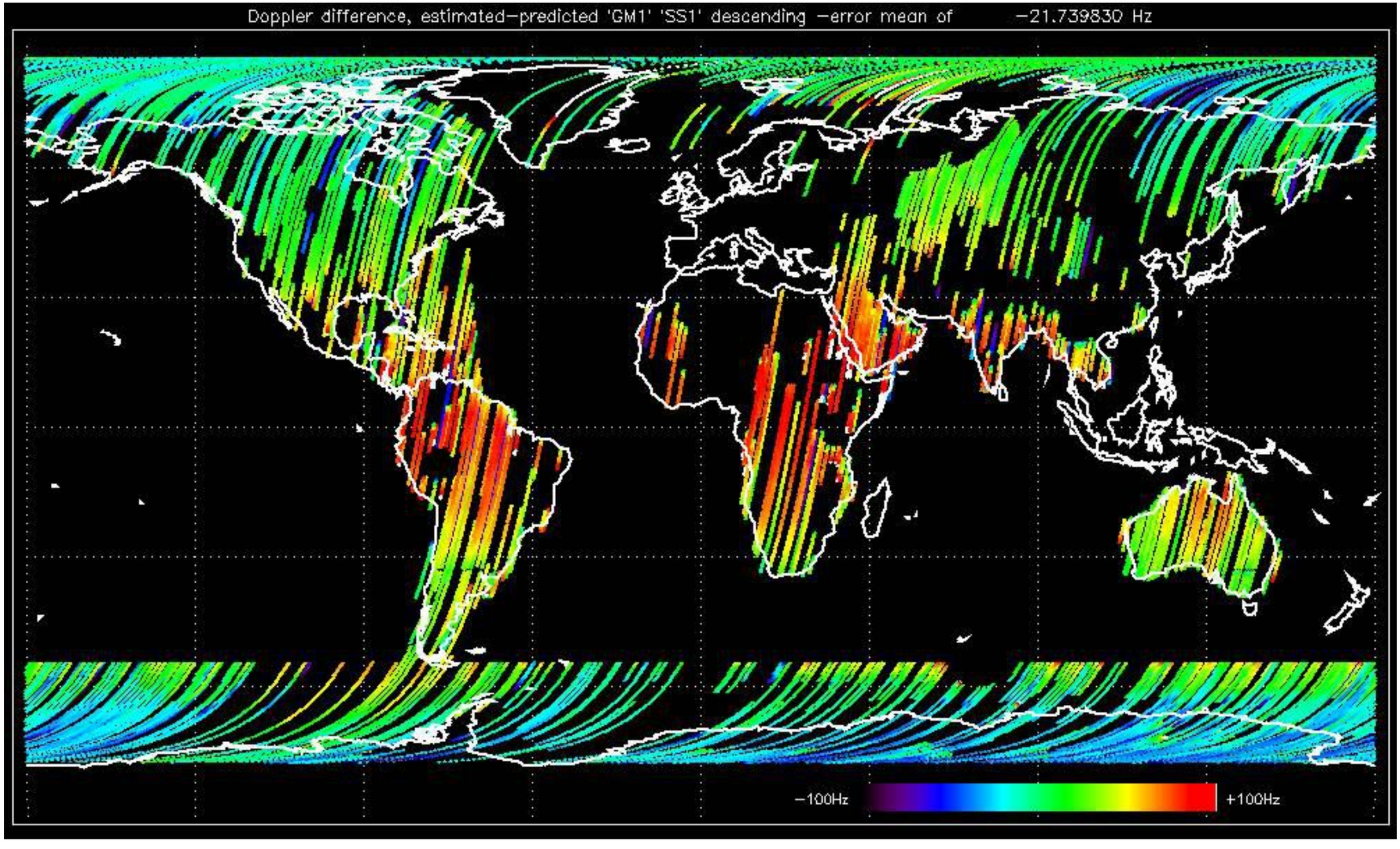

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

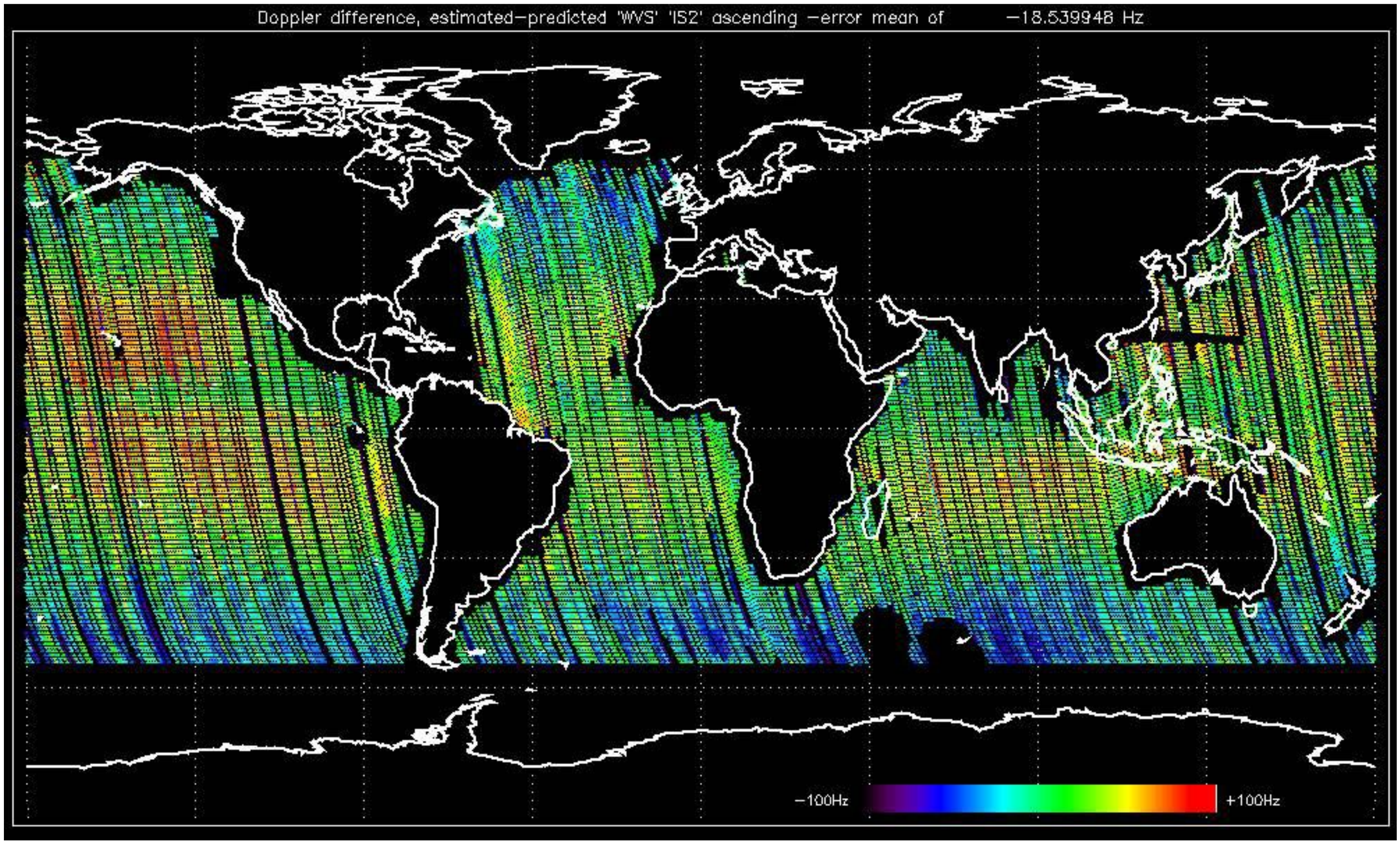

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

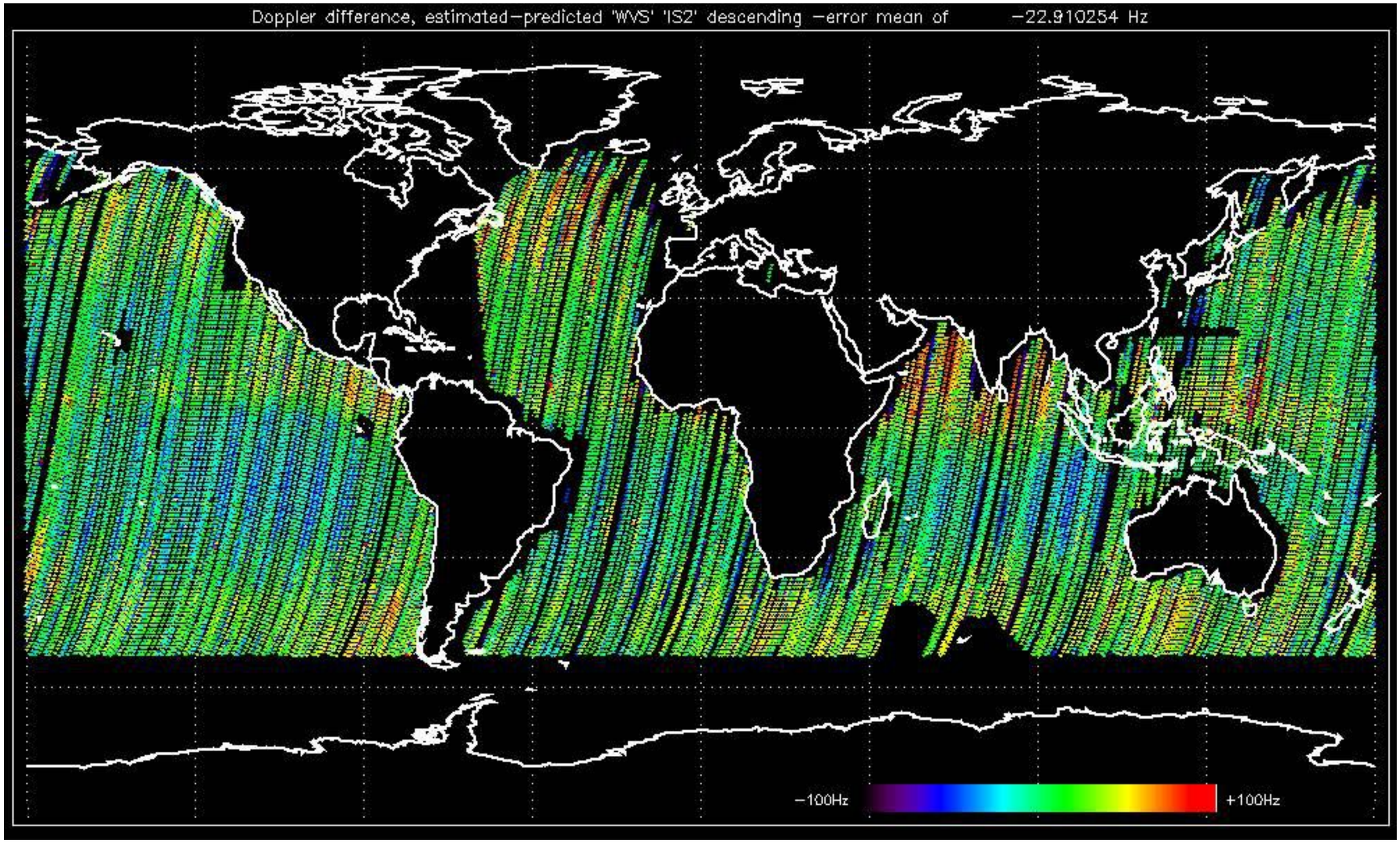

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
09−Oct
Date


WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
09−Oct
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −23.339301 Hz
−100Hz
+100Hz

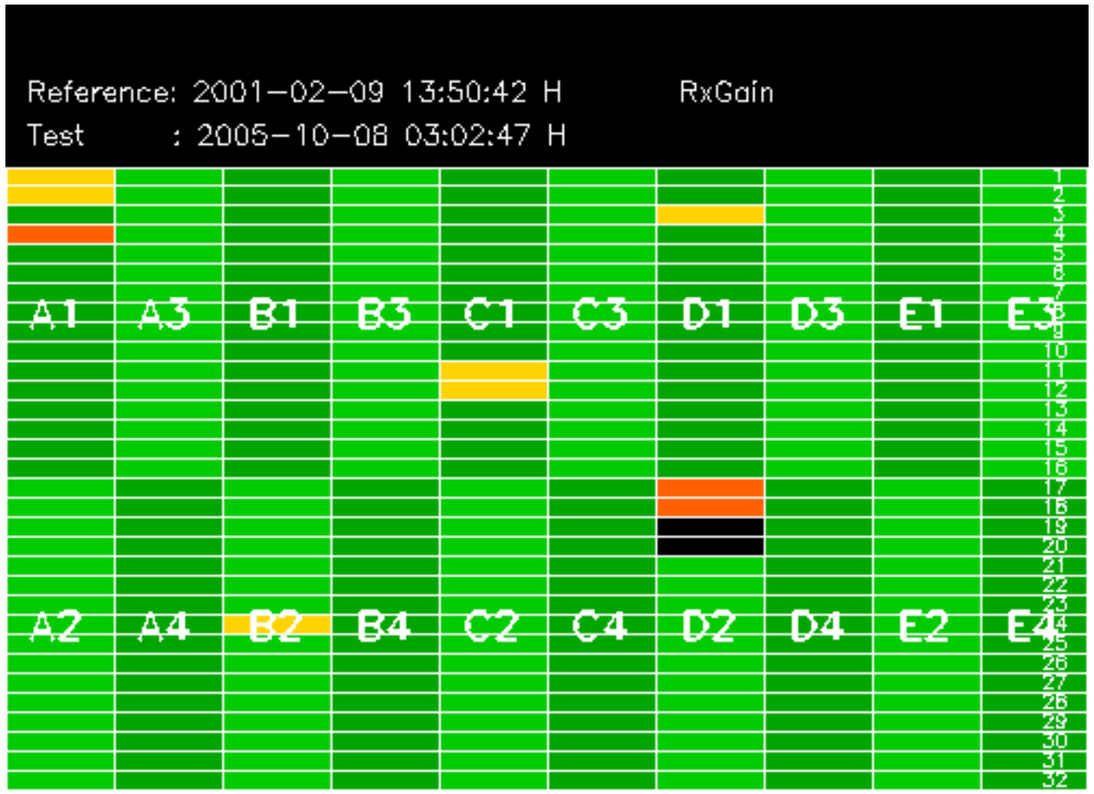

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -21.739830 Hz
-100Hz
+100Hz

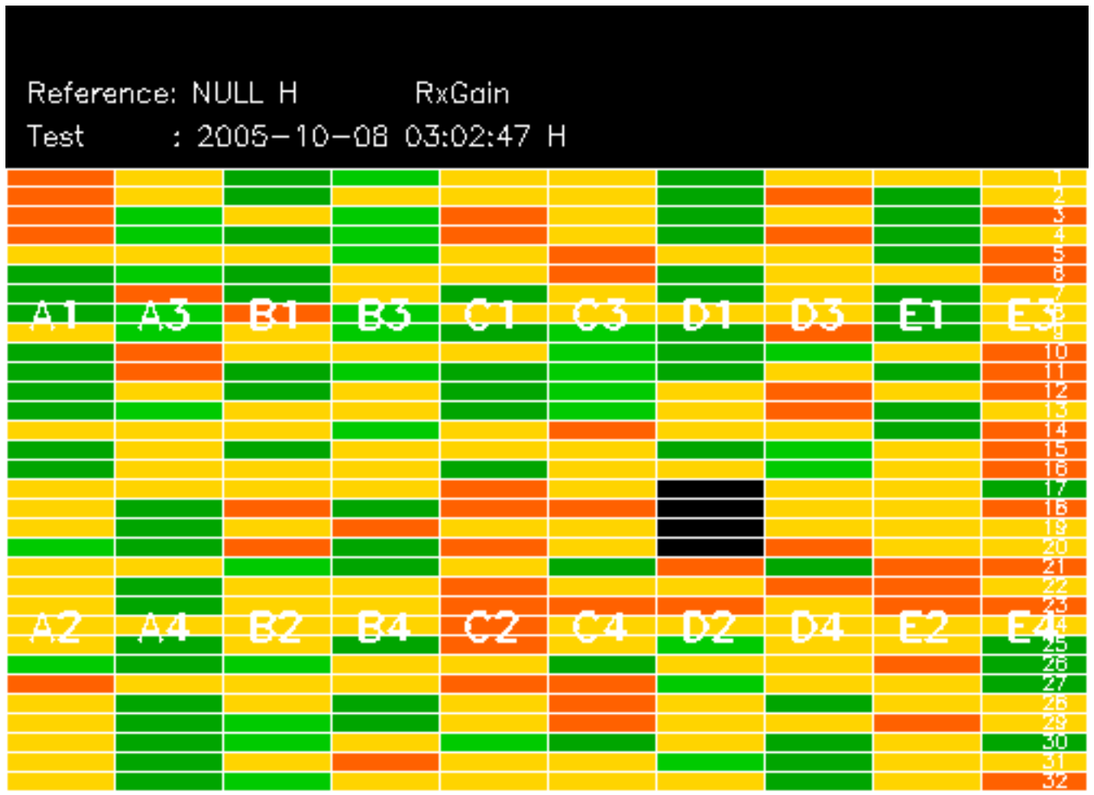

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −18.539948 Hz
−100Hz
+100Hz

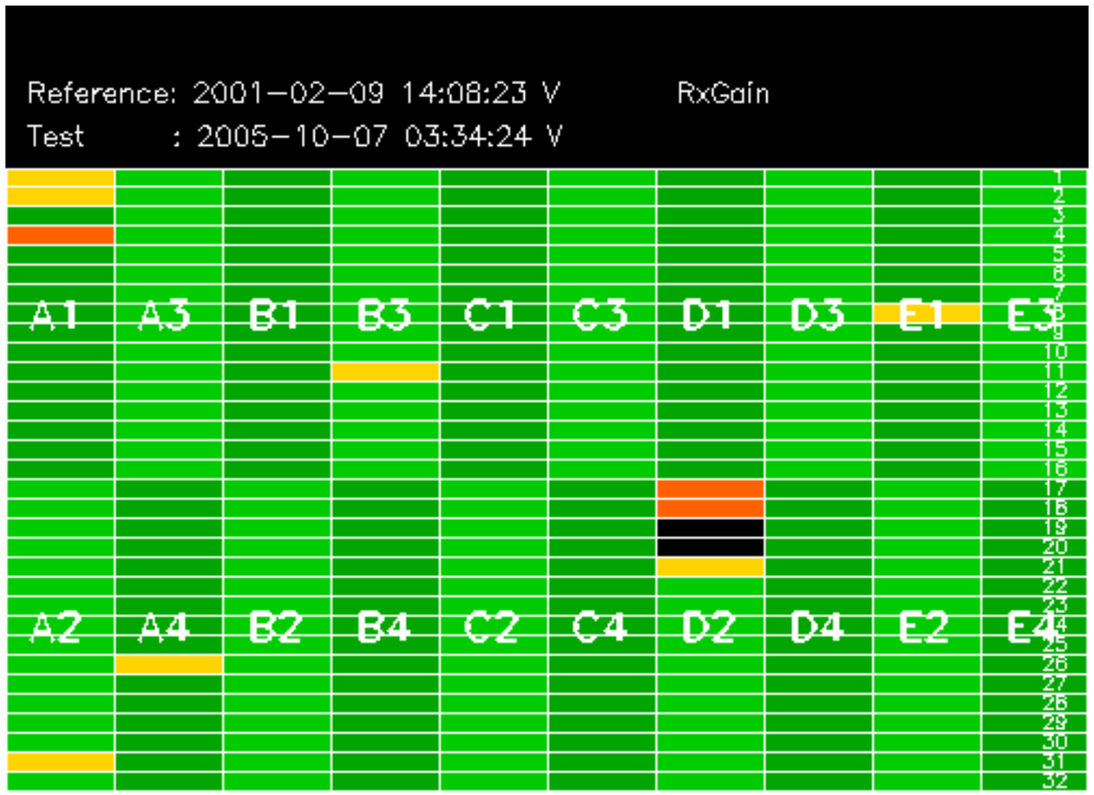

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −22.910254 Hz
−100Hz
+100Hz

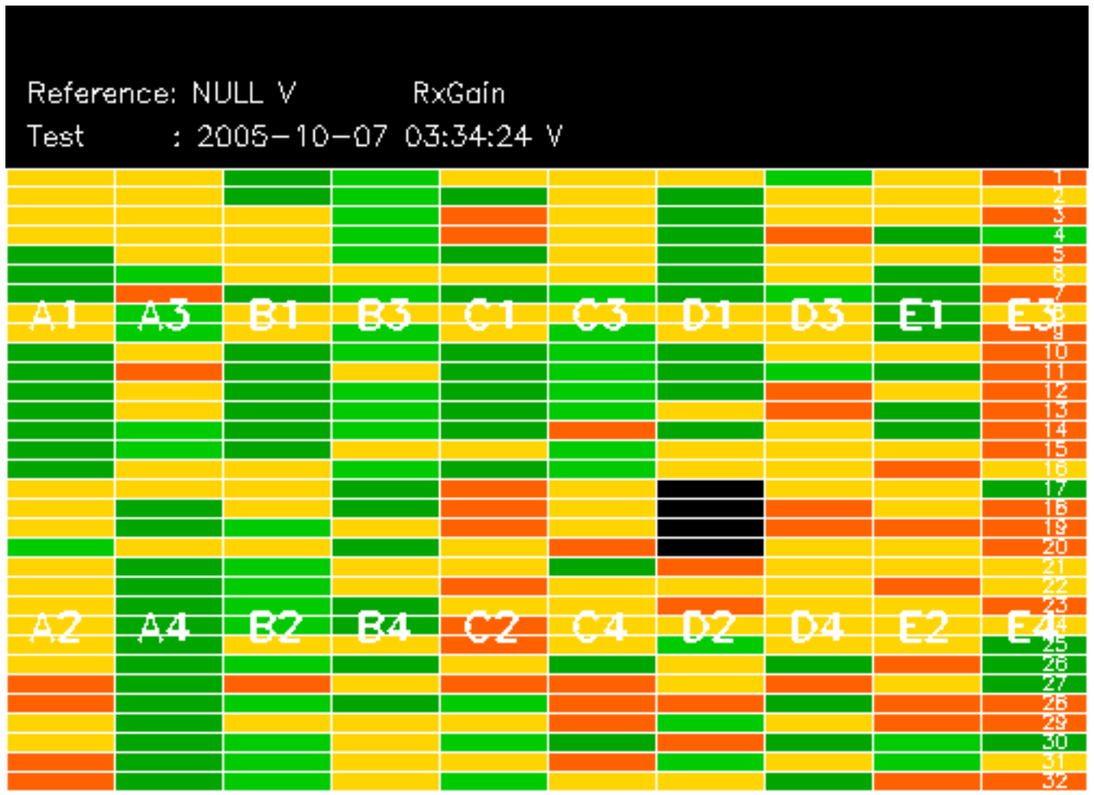
No anomalies observed on available MS products:

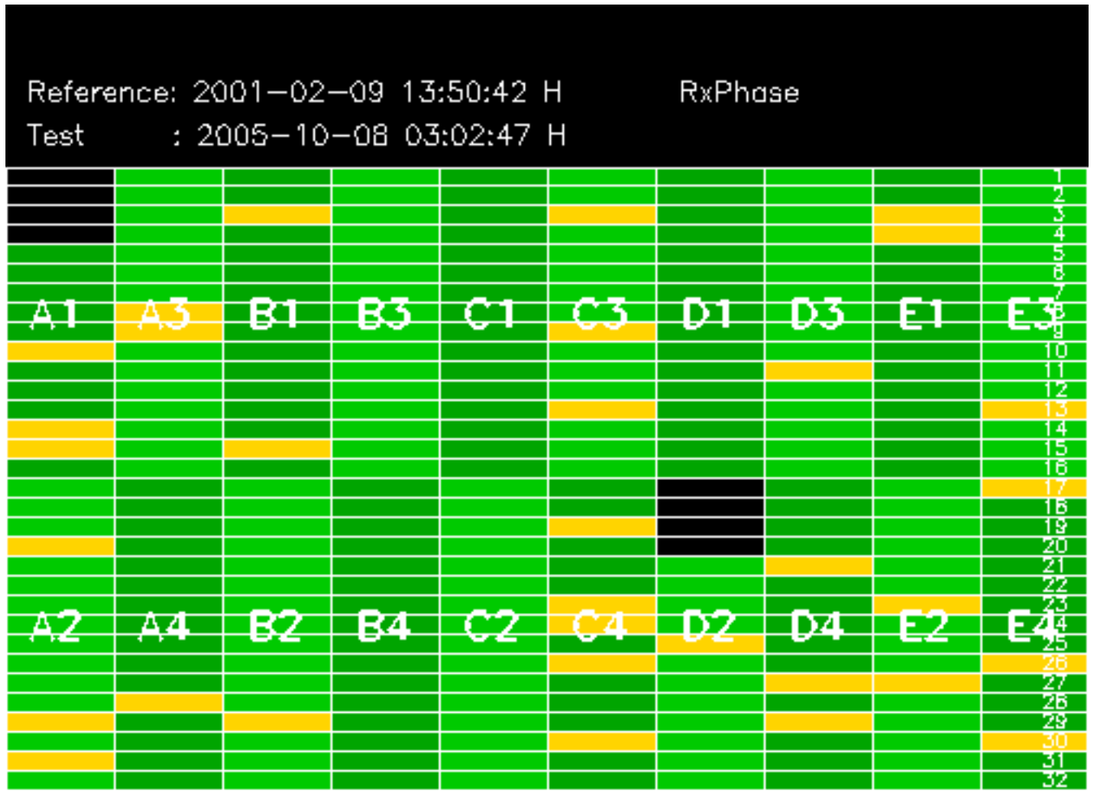
No anomalies observed.

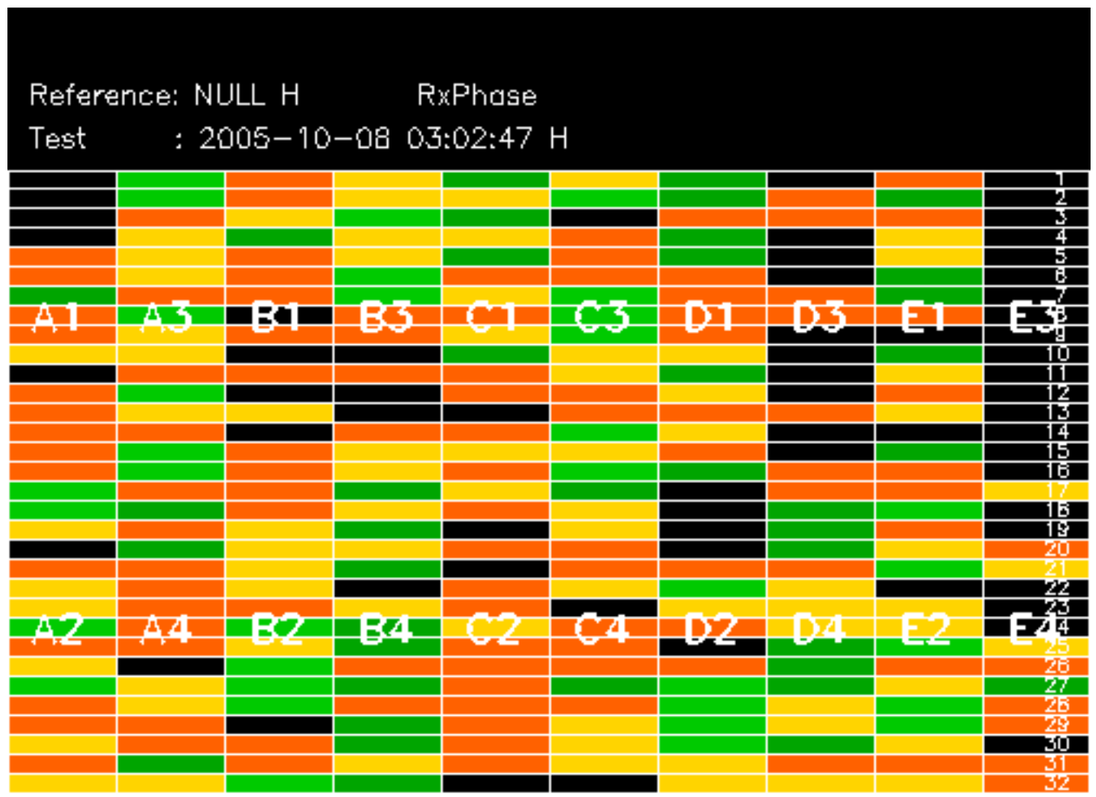

Reference: 2001-02-09 13:50:42 H
Test : 2005-10-08 03:02:47 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

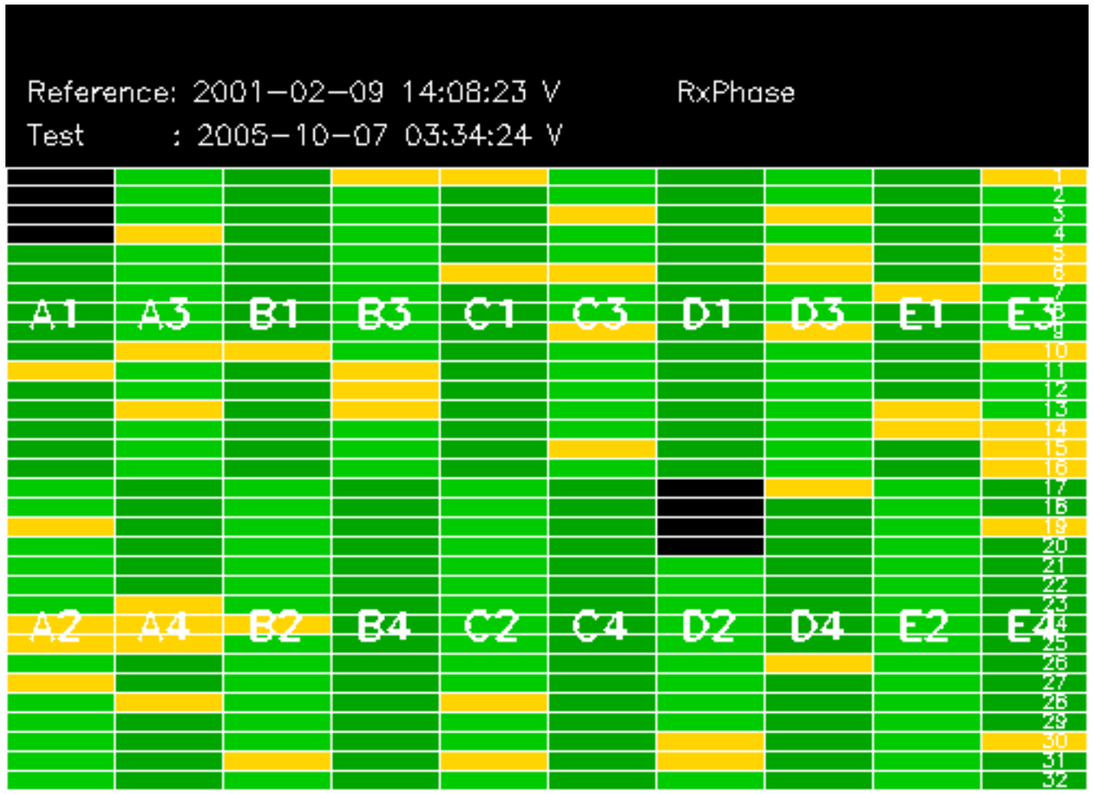

Reference: NULL H RxGain
Test : 2005-10-08 03:02:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

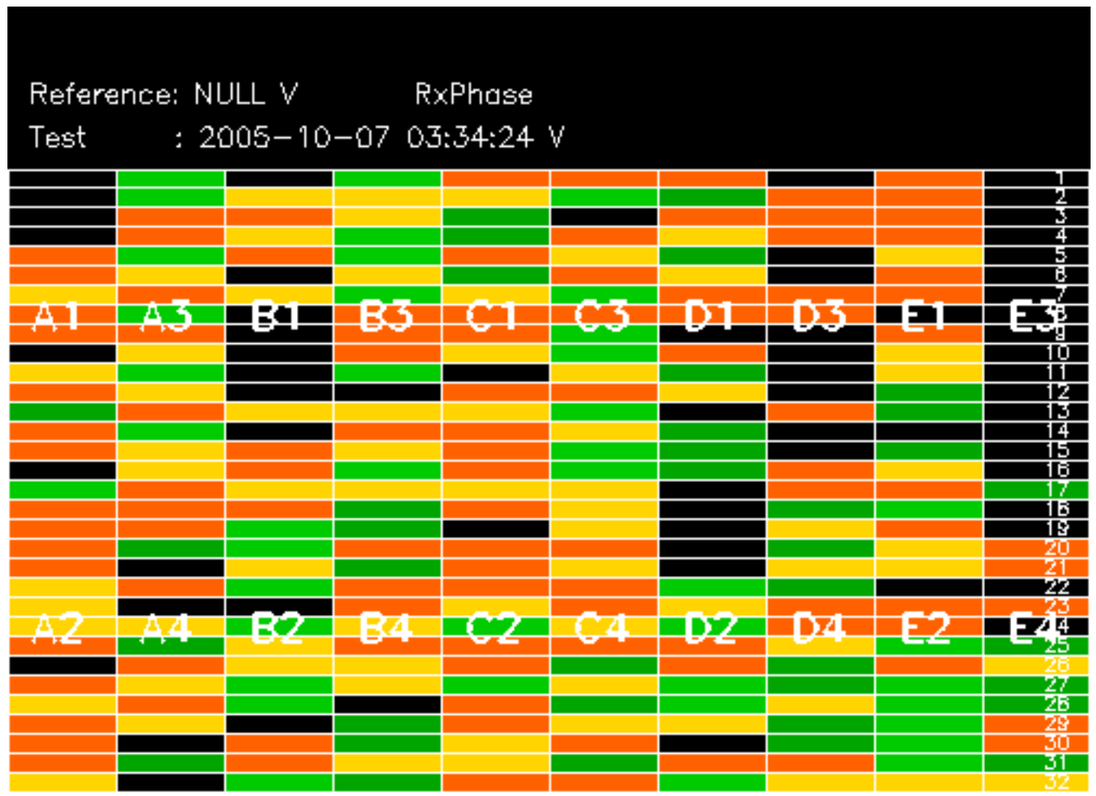

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-07 03:34:24 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

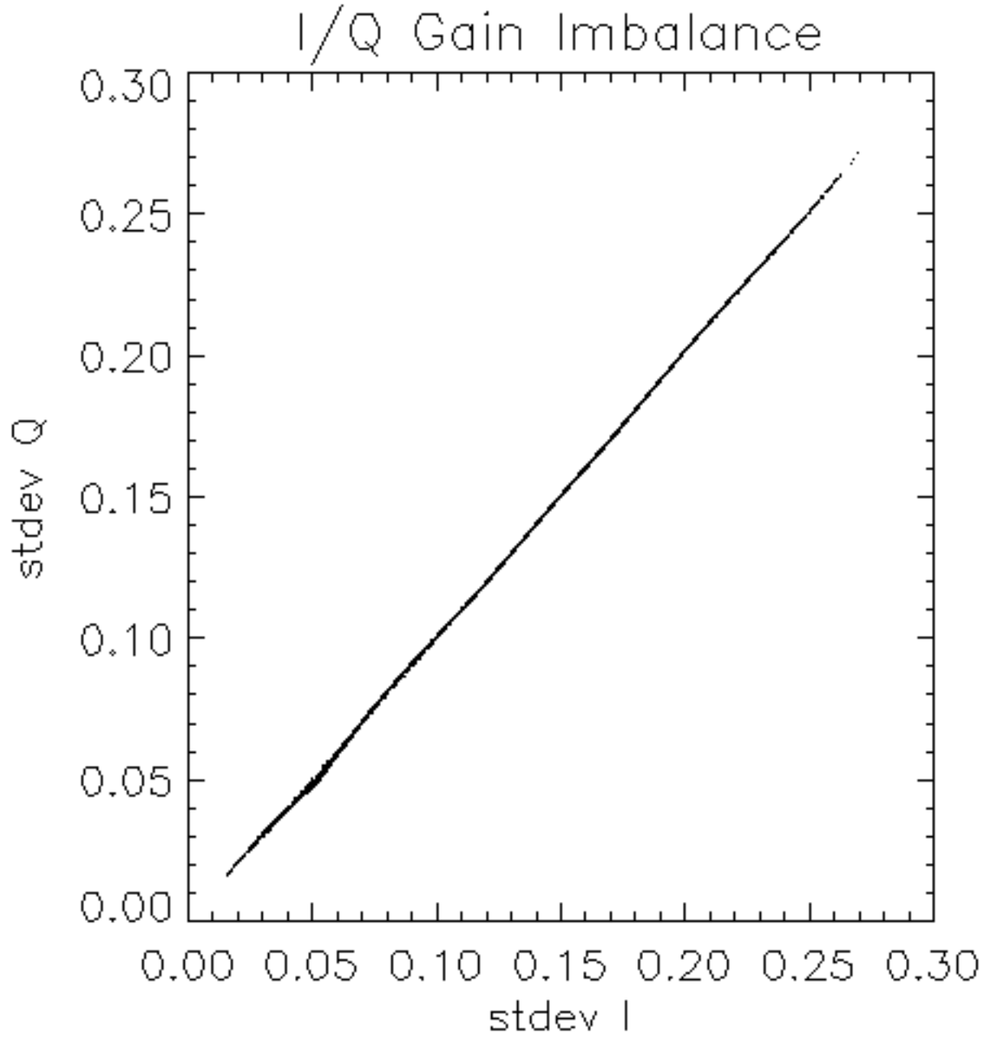

Reference: NULL V RxGain
Test : 2005-10-07 03:34:24 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

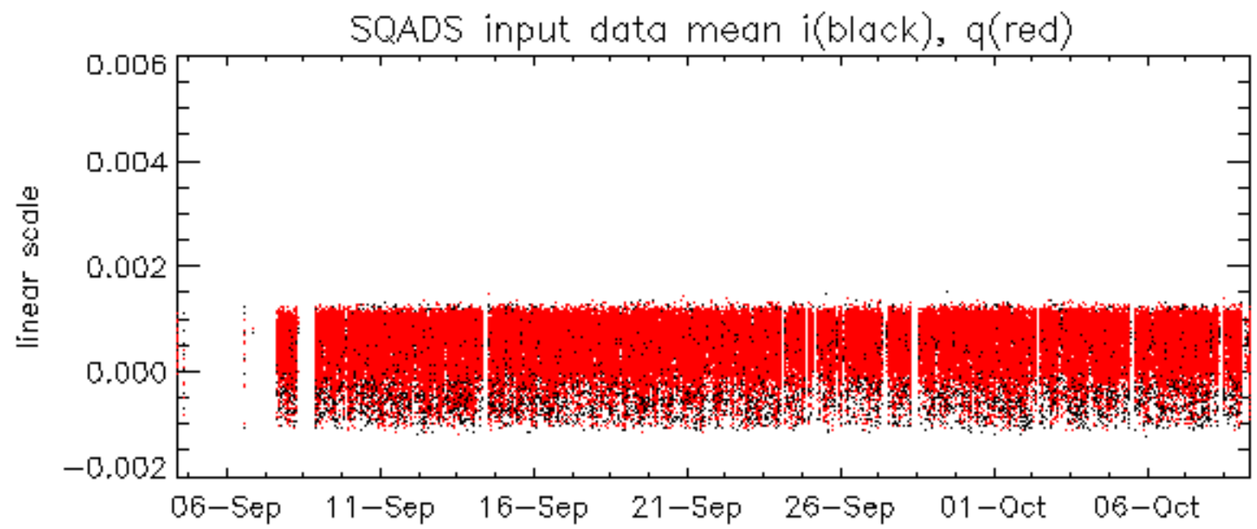

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-10-08 03:02:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

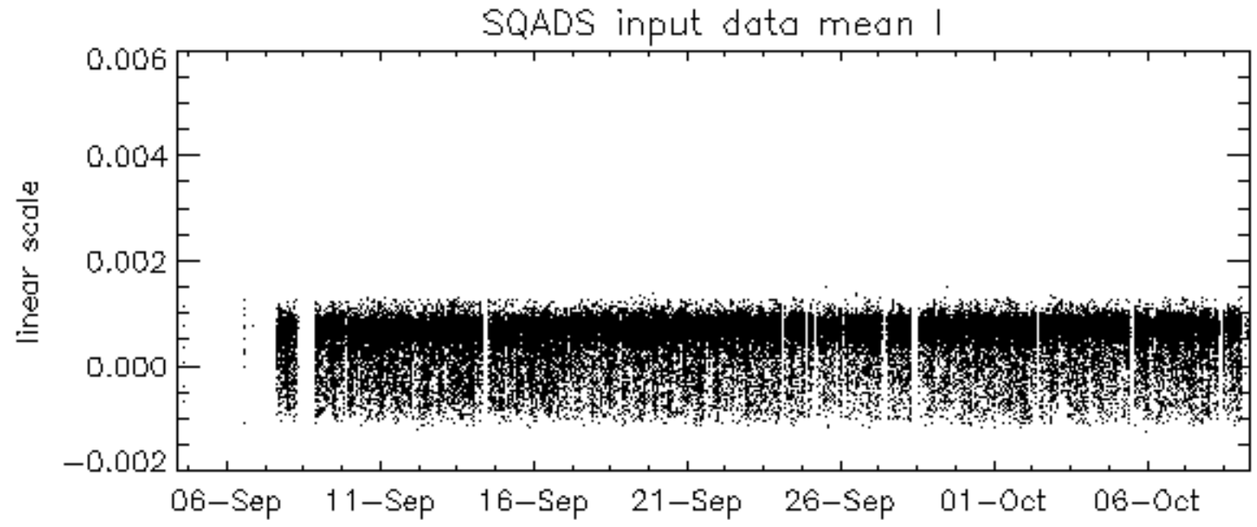

Reference: NULL H RxPhase
Test : 2005-10-08 03:02:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

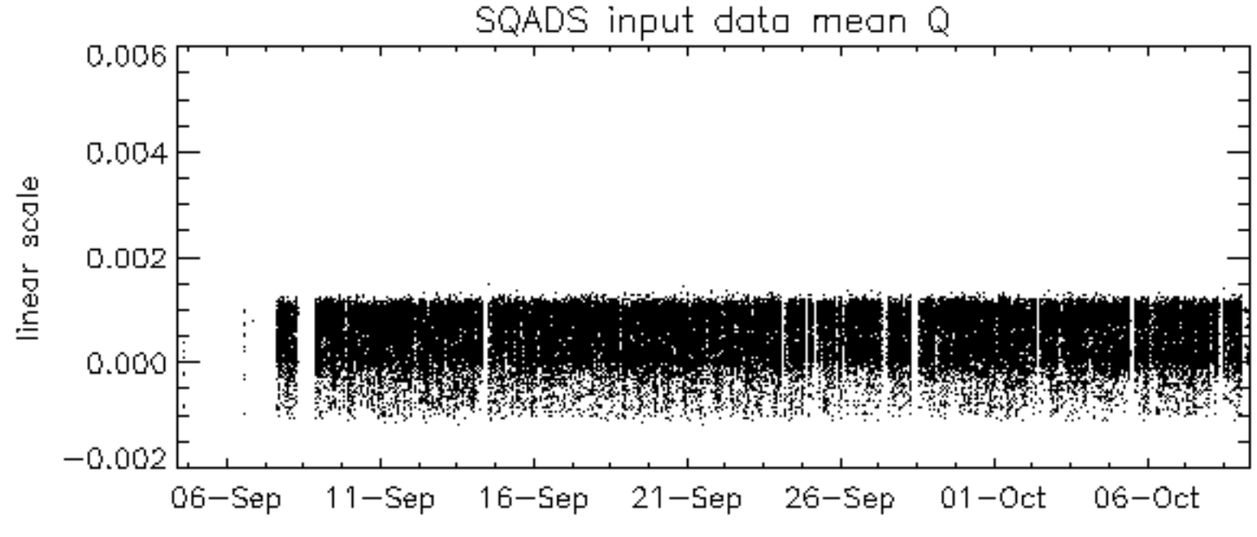

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-07 03:34:24 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

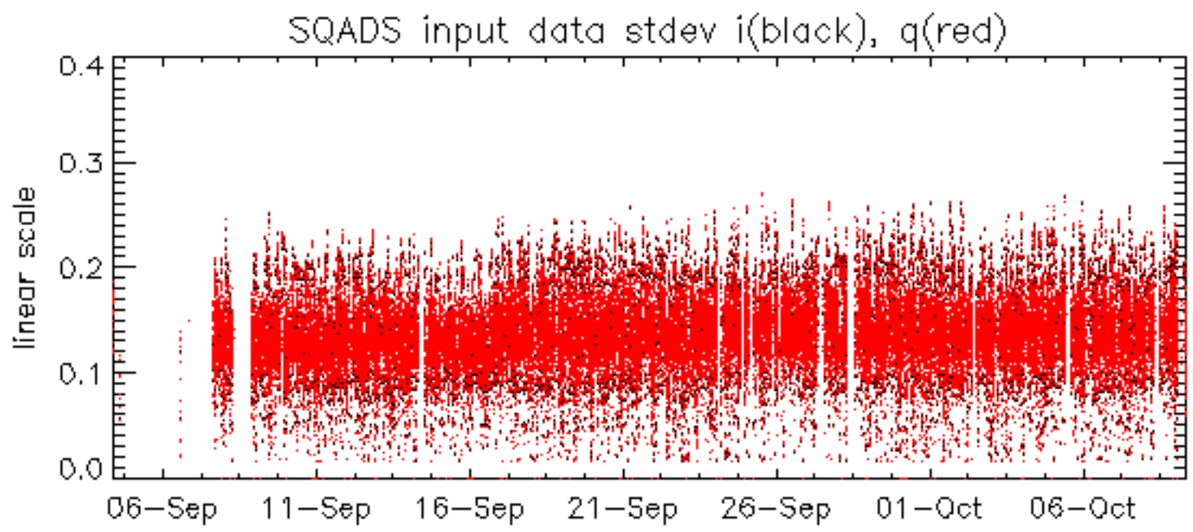

Reference: NULL V RxPhase
Test : 2005-10-07 03:34:24 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

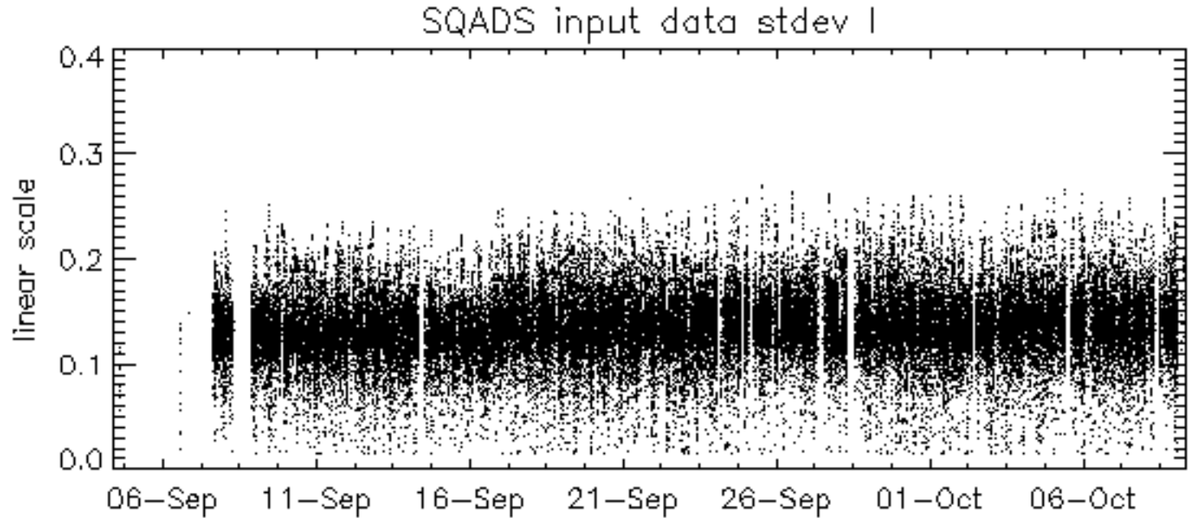

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

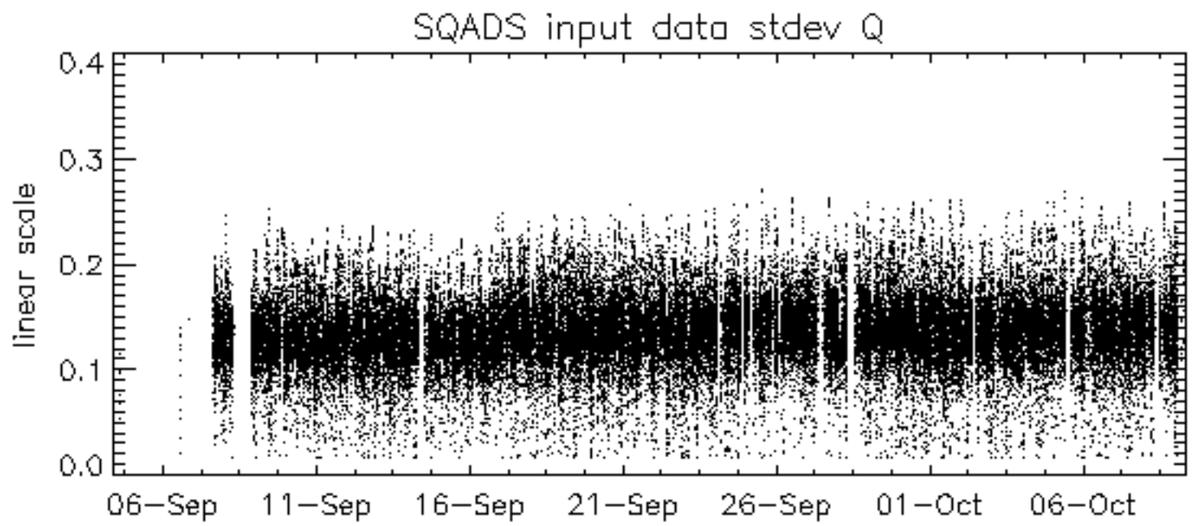

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct

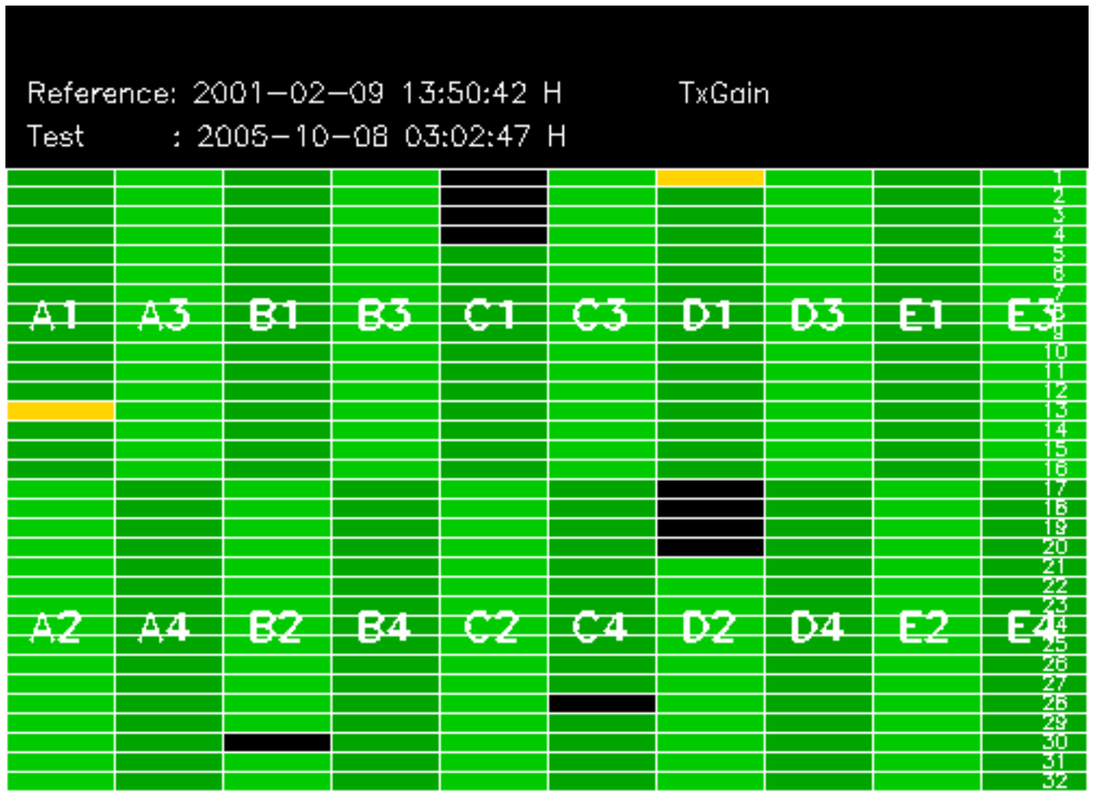

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct

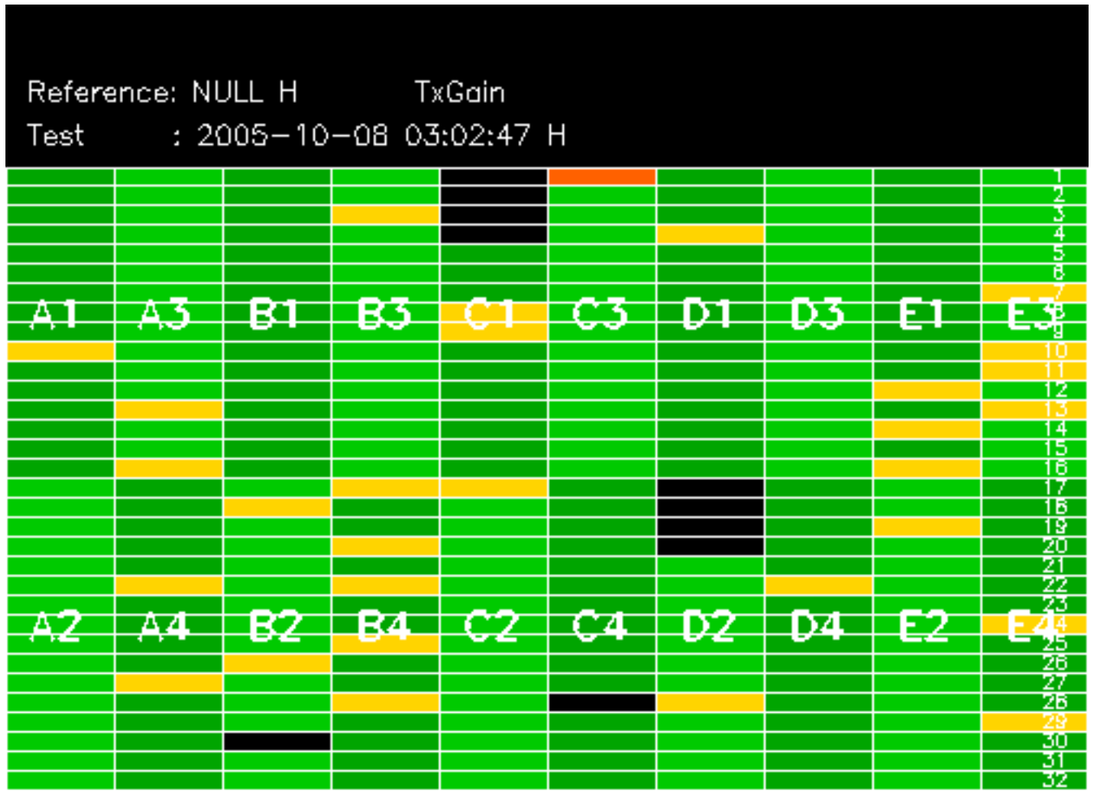

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct

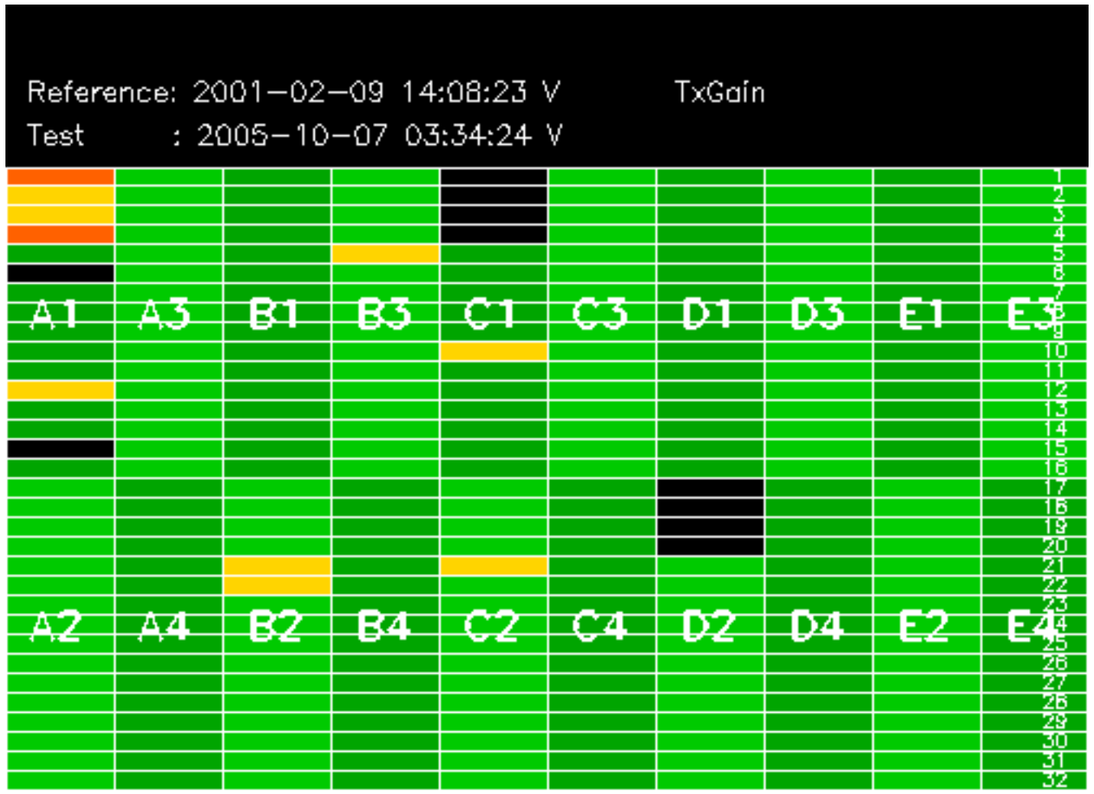

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct

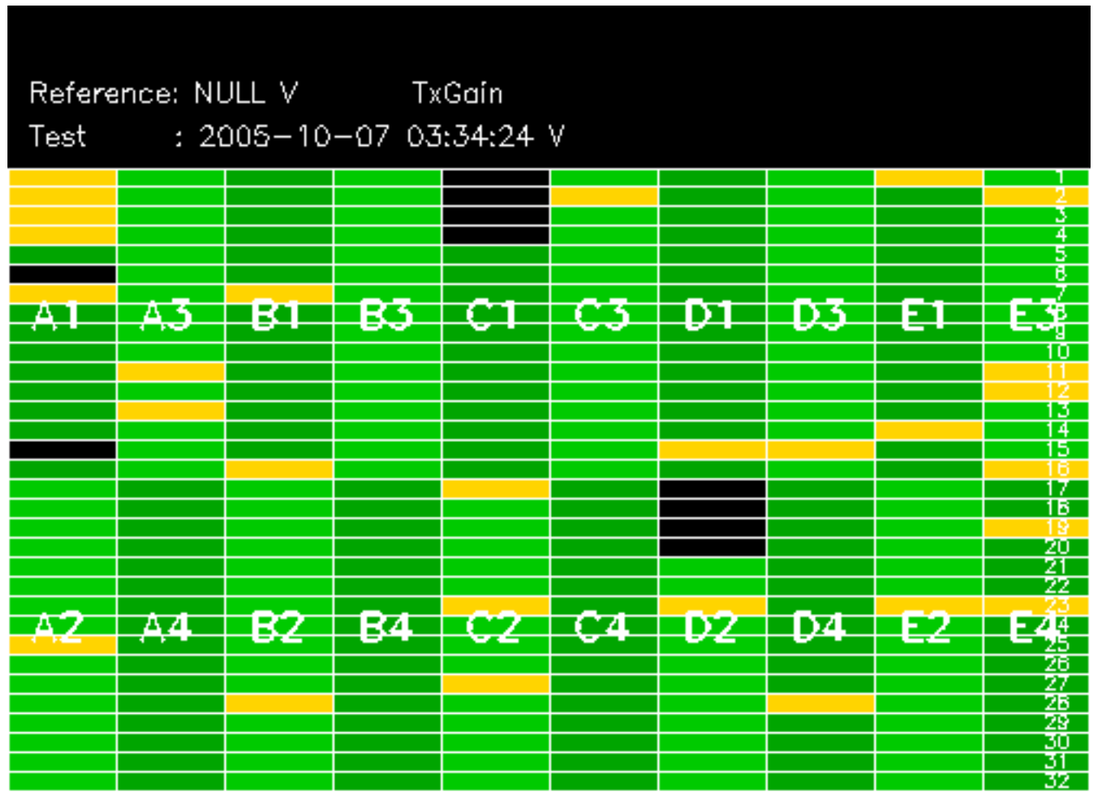

SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06−Sep
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct

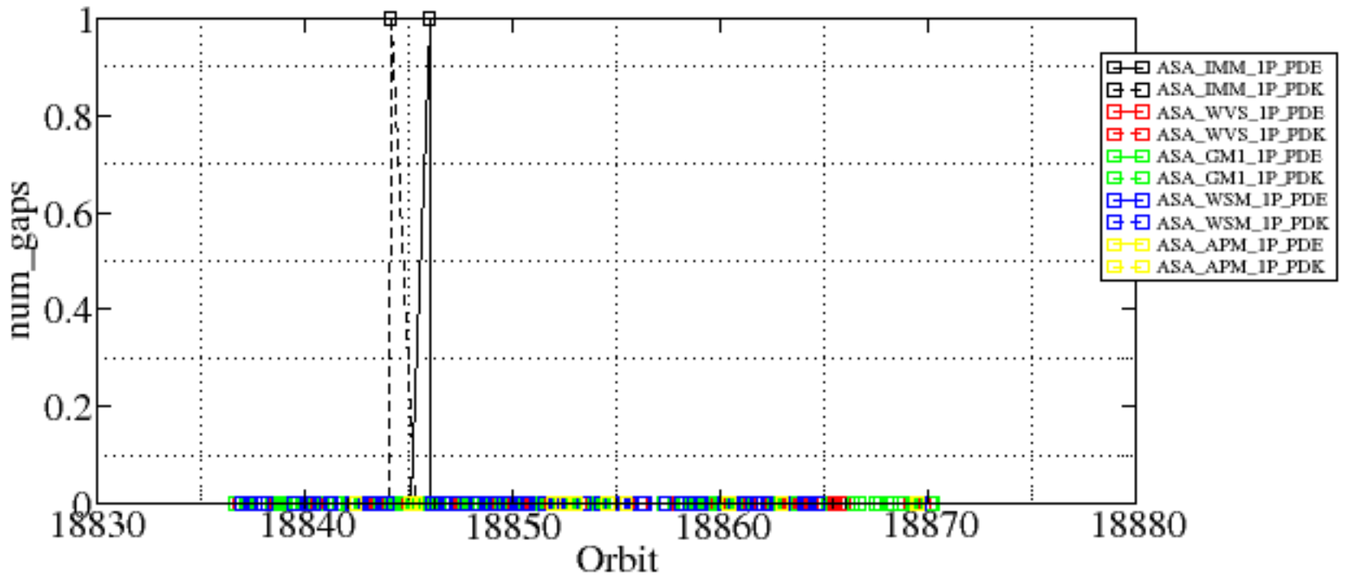

Reference: 2001-02-09 13:50:42 H
Test : 2005-10-08 03:02:47 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

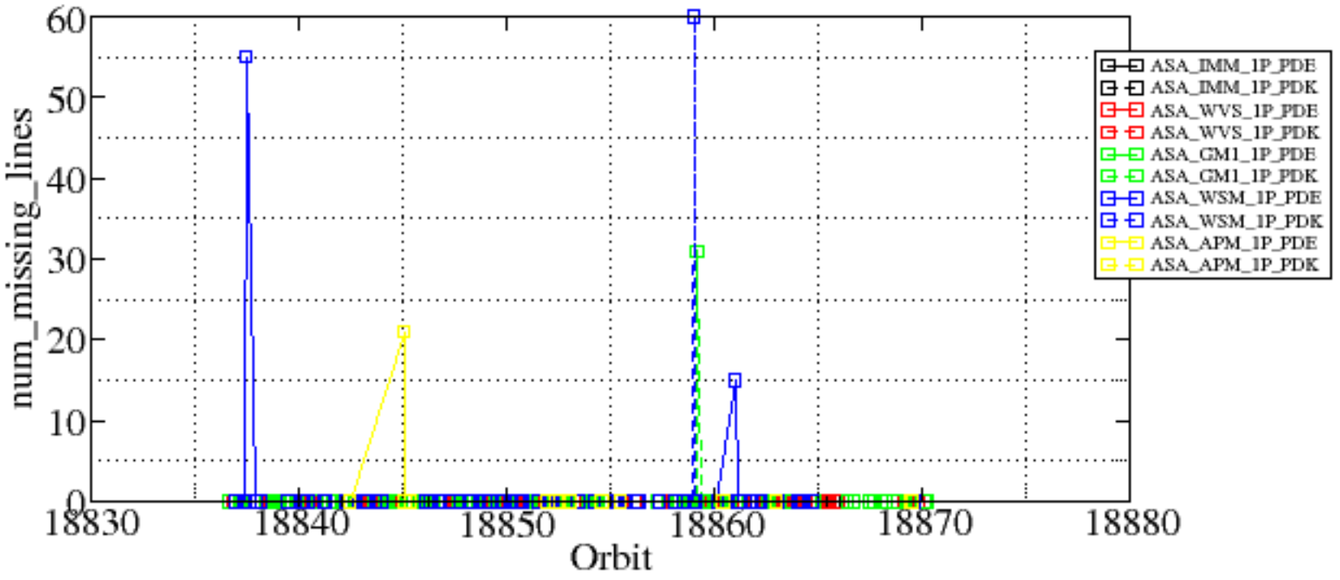

Reference: NULL H TxGain
Test : 2005-10-08 03:02:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

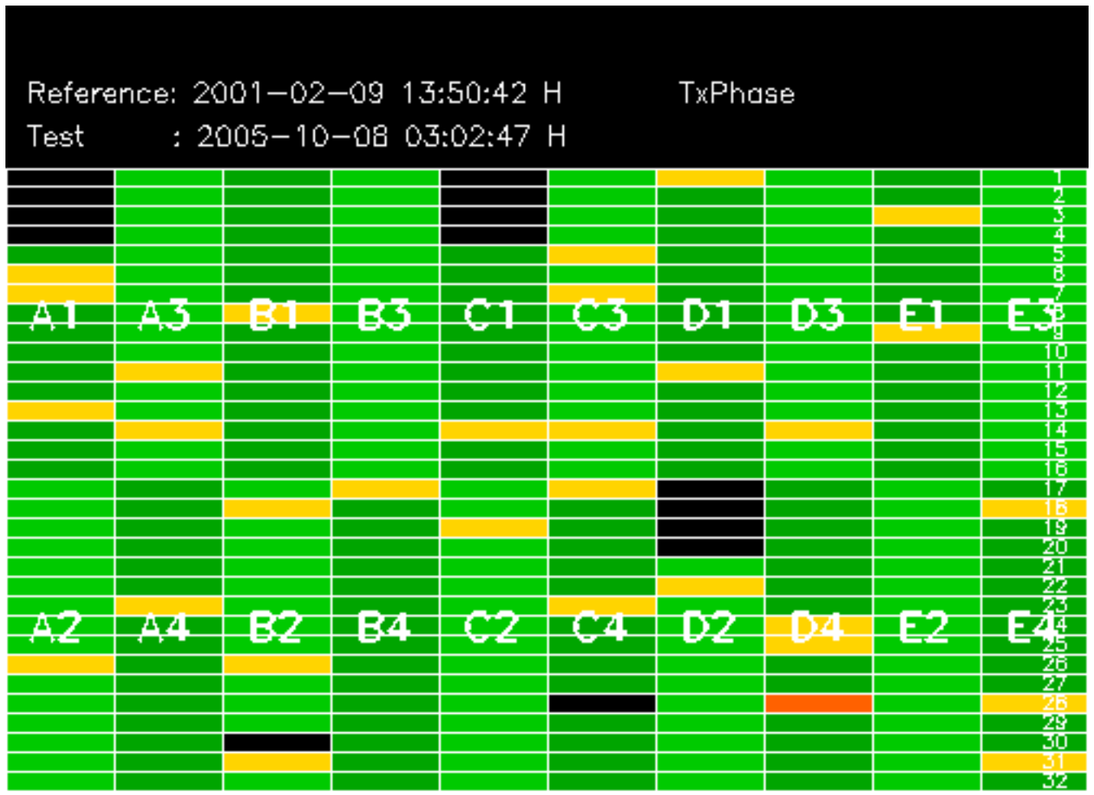

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-07 03:34:24 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

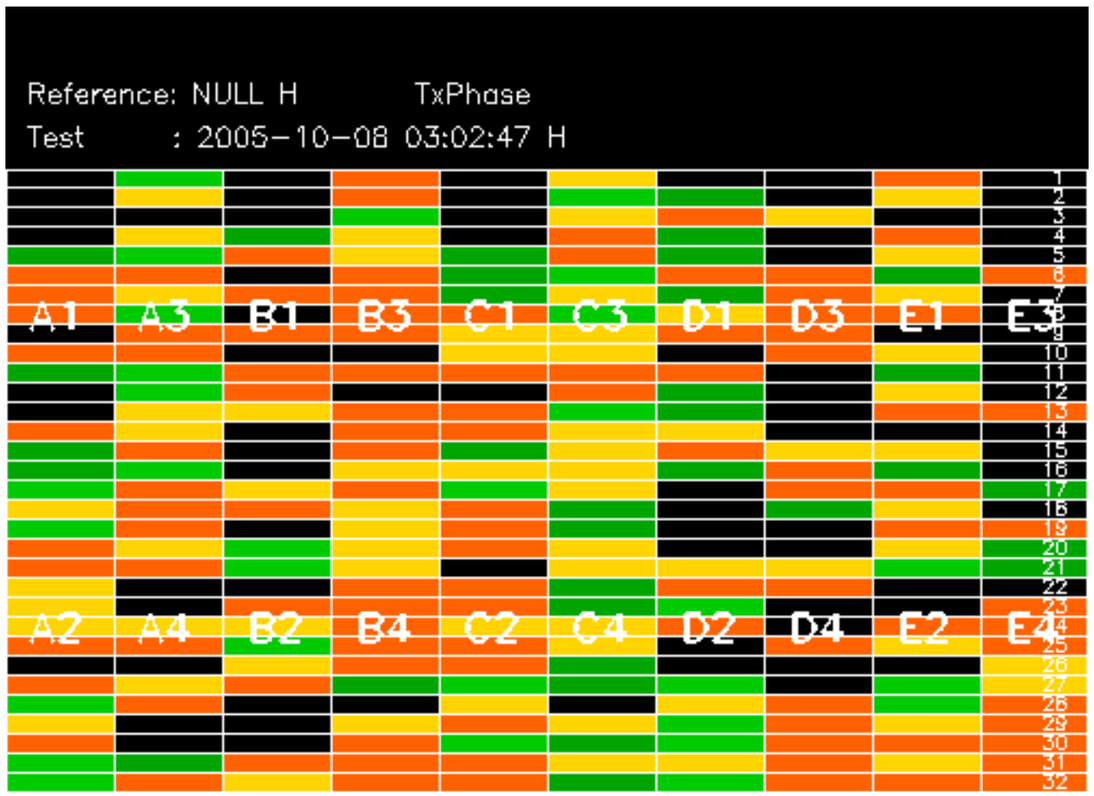

Reference: NULL V TxGain
Test : 2005-10-07 03:34:24 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

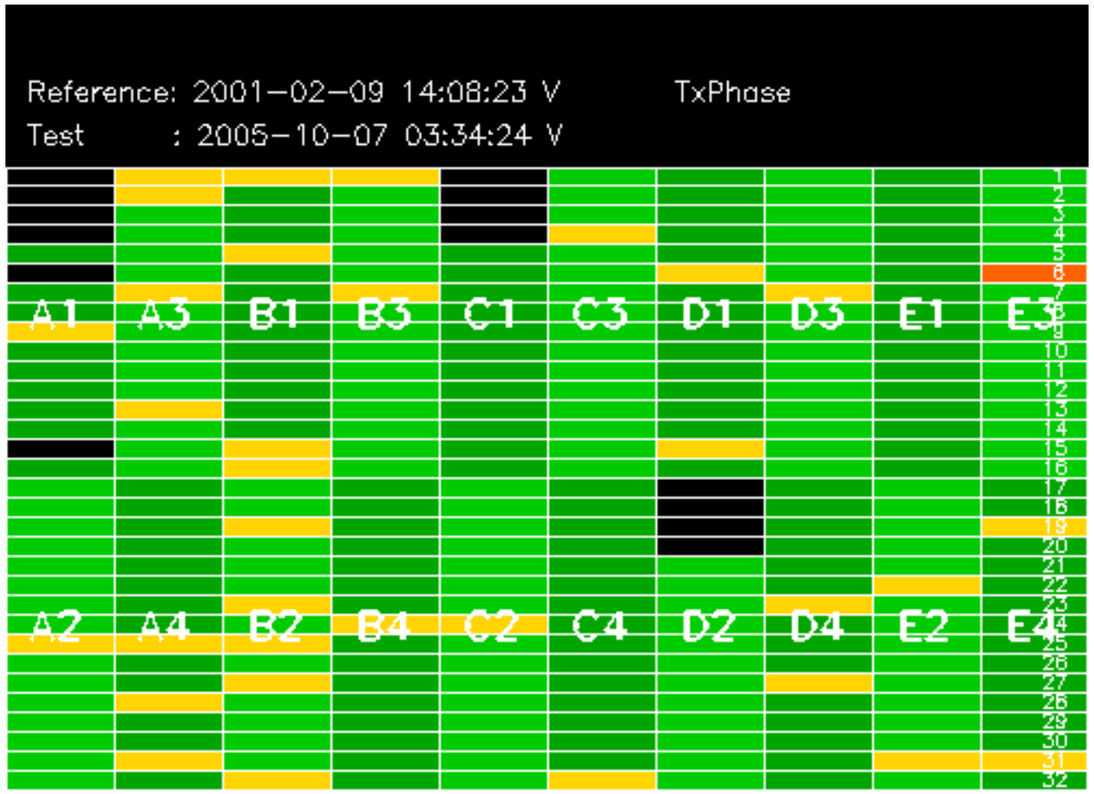
Summary of analysis for the last 3 days 2005100[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20051007_155150_000000772041_00255_18846_7711.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20051007_124322_000000532041_00253_18844_5323.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20051008_135751_000010812041_00268_18859_7798.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051007_013227_000002392041_00246_18837_2779.N1 </td> <td>0 </td> <td>55 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051008_170158_000002382041_00270_18861_2998.N1 </td> <td>0 </td> <td>15 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20051008_134137_000000912041_00268_18859_6455.N1 </td> <td>0 </td> <td>60 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20051008_134139_000000852041_00268_18859_6504.N1 </td> <td>0 </td> <td>60 </td></tr>
<tr> <td>ASA_APM_1PNPDE20051007_141715_000000822041_00254_18845_1696.N1 </td> <td>0 </td> <td>21 </td></tr>
</table>

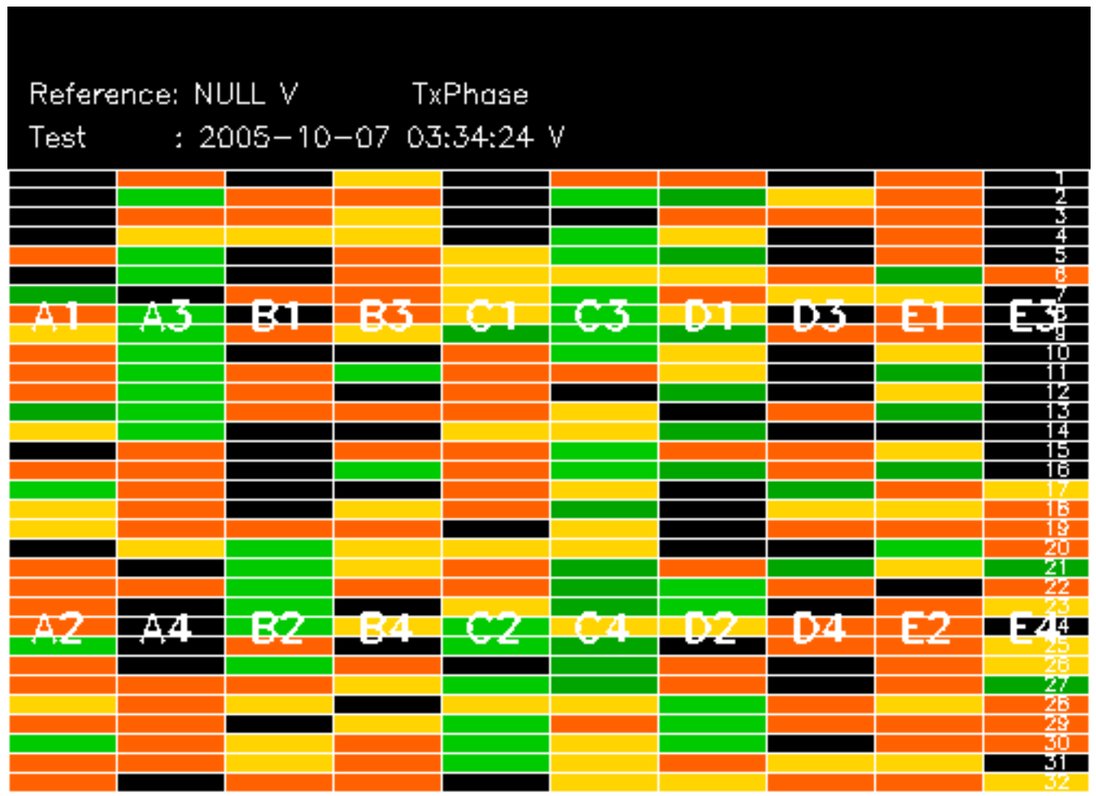

num_gaps
1
0.8
0.6
0.4
0.2
0
18830
18840
18850
18860
18870
18880
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

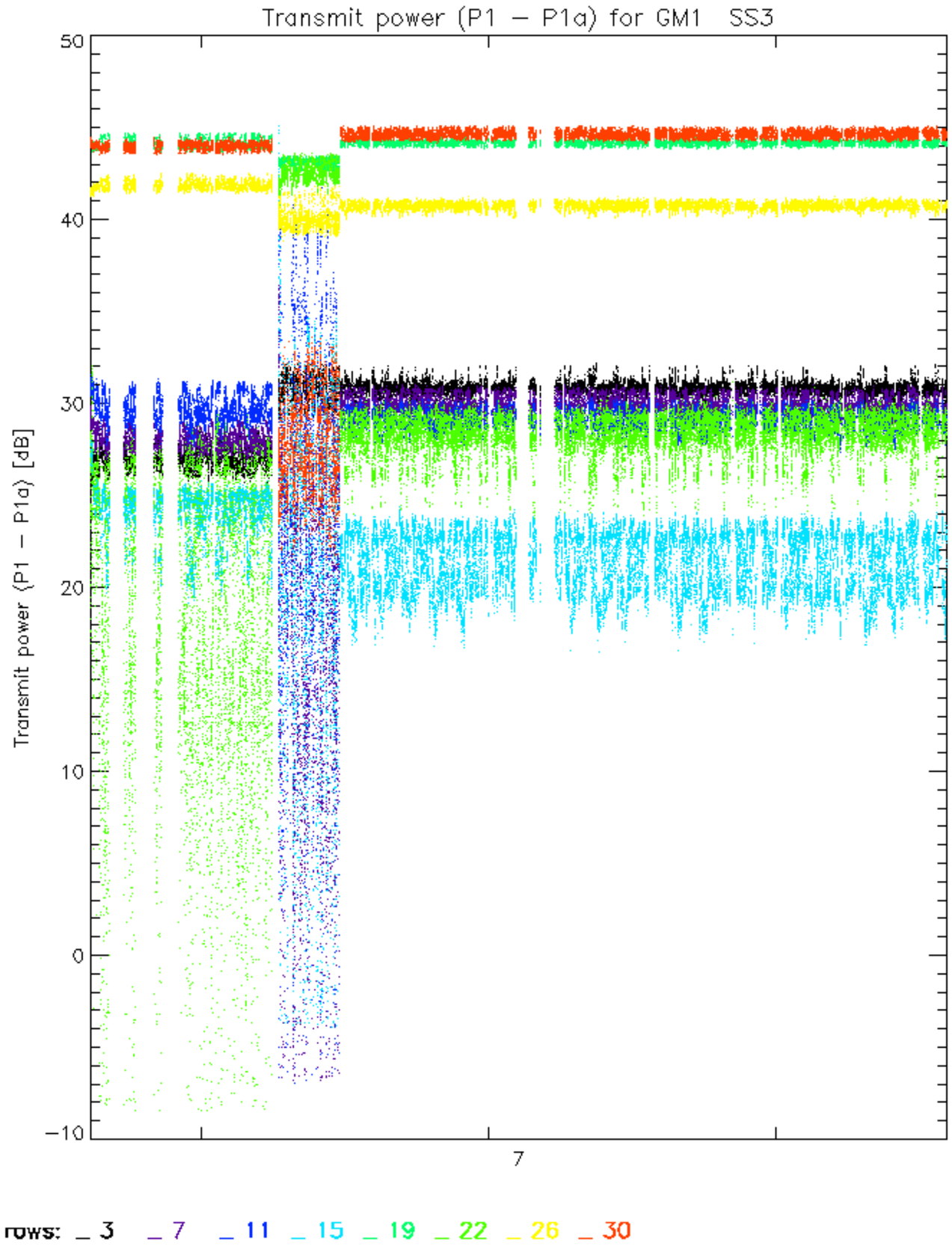

num_missing_lines
Orbit
60
50
40
30
20
10
0
18830
18840
18850
18860
18870
18880
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK

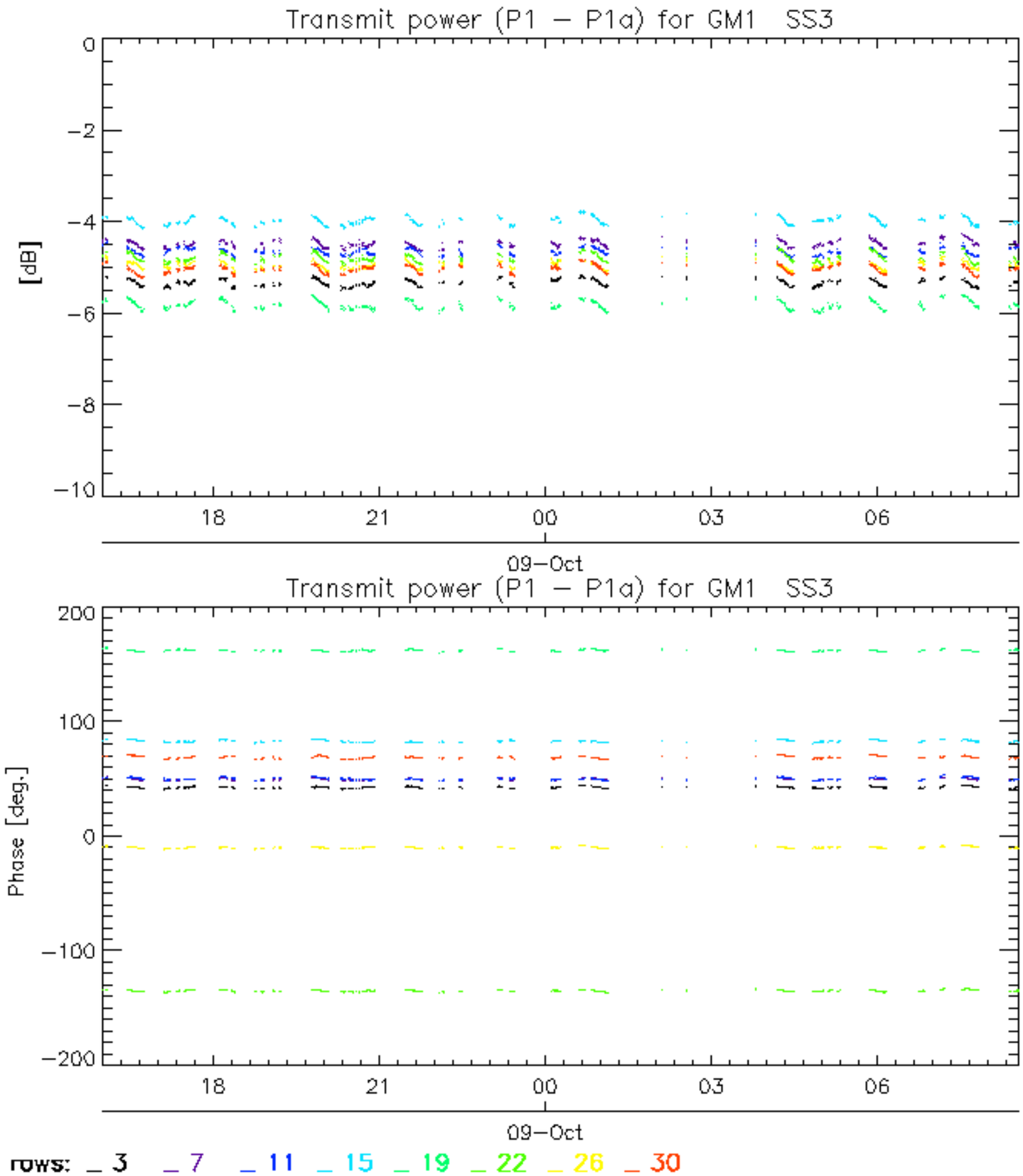

Reference: 2001-02-09 13:50:42 H
Test : 2005-10-08 03:02:47 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

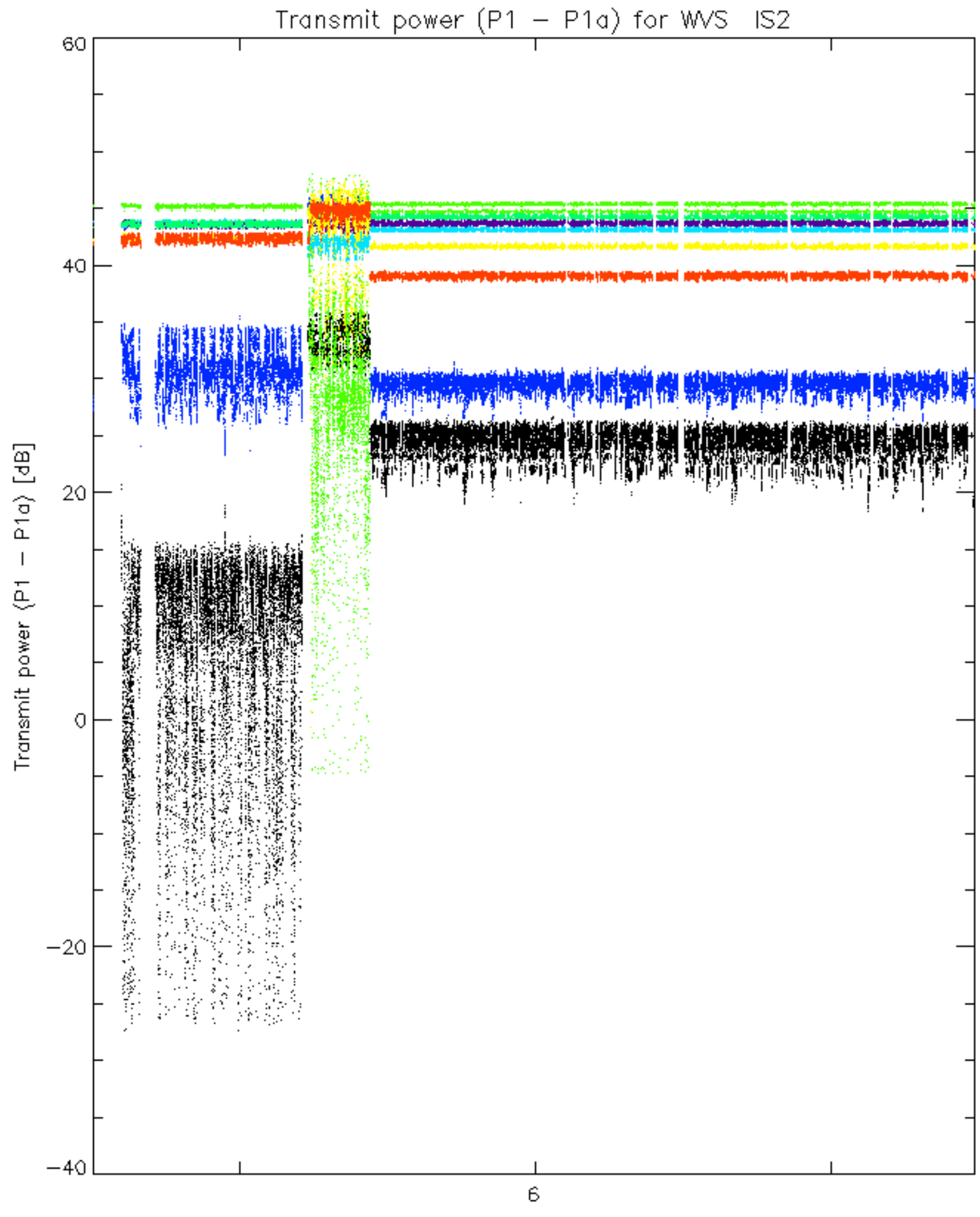

Reference: NULL H TxPhase
Test : 2005-10-08 03:02:47 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

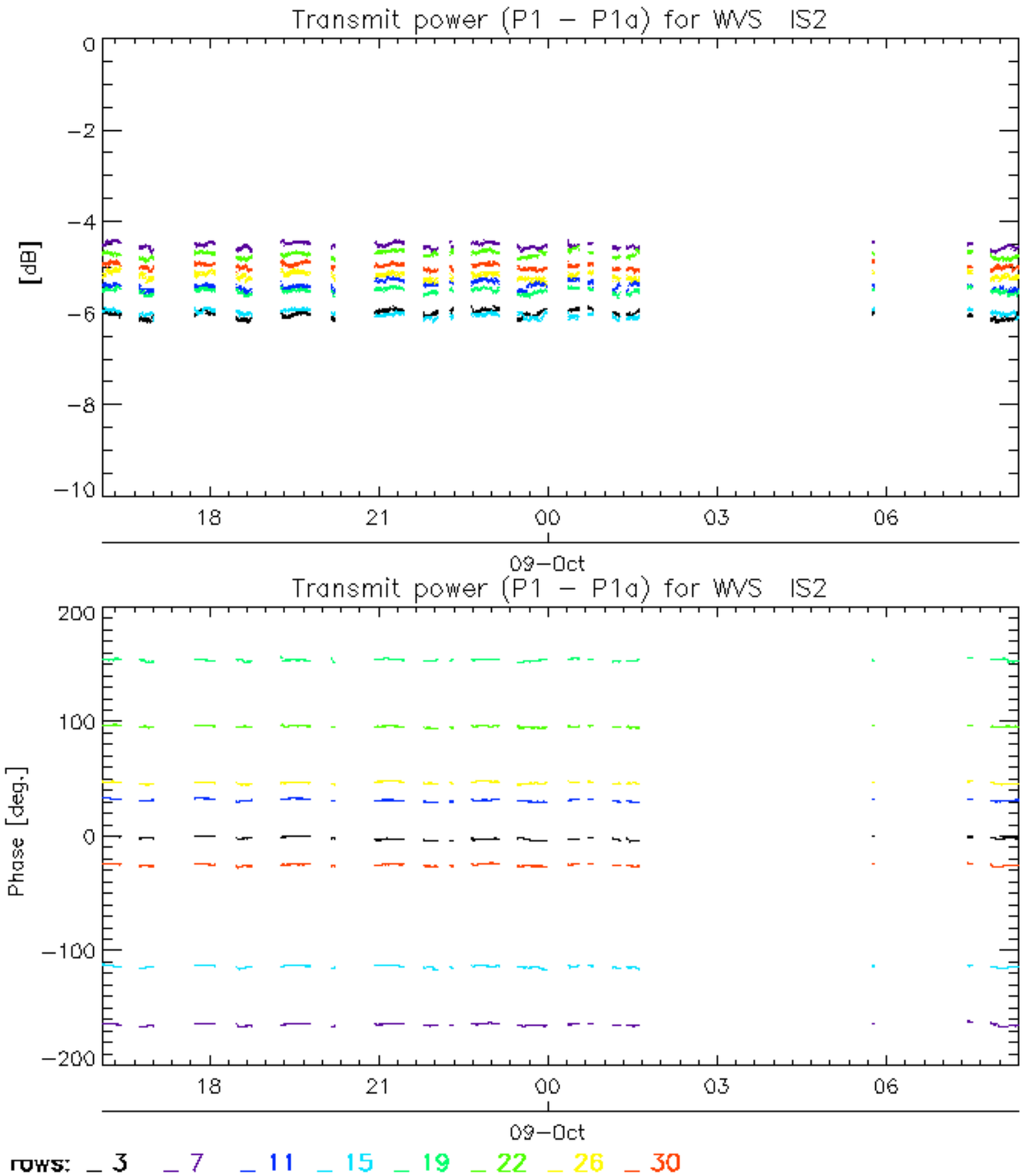

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-07 03:34:24 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: NULL V TxPhase
Test : 2005-10-07 03:34:24 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
7
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
09–Oct
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09–Oct
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
6
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
09–Oct
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09–Oct
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.