PRELIMINARY REPORT OF 051012

last update on Wed Oct 12 16:40:32 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 2005-10-11 00:00:00 to 2005-10-12 16:40:32

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	44	71	8	3	32
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	44	71	8	3	32
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	44	71	8	3	32
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	44	71	8	3	32

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000	41	62	33	14	45
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	41	62	33	14	45
ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000	41	62	33	14	45
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	41	62	33	14	45

2.3 - Browse Visual Inspection

No anomalies observed on available browse products

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	20051012 073844
H	20051011 081021

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	-3.544106	0.063509	-0.054404
7	P1	-2.974823	0.035128	0.376881
11	P1	-4.251336	0.134551	0.855010
15	P1	-5.944717	0.040489	-0.368057
19	P1	-3.214134	0.154123	0.421892
22	P1	-4.491770	0.022781	0.225443
26	P1	-4.447225	0.101754	0.744376
30	P1	-5.976374	0.432872	1.402389
3	P1	-15.804918	1.787261	1.286670
7	P1	-16.686440	4.557429	1.204614
11	P1	-18.080986	12.600873	7.991953
15	P1	-13.691906	8.826358	0.558123
19	P1	-13.728672	0.226024	0.706582
22	P1	-17.200117	22.314369	3.439197
26	P1	-17.642059	21.033617	5.159076
30	P1	-17.480555	8.803855	4.112639

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.831854	0.102777	-0.166091
7	P2	-22.567310	0.242350	-0.721860
11	P2	-16.159958	2.029097	-3.046034
15	P2	-7.206409	0.117208	-0.080222
19	P2	-9.175756	0.186370	0.156582
22	P2	-17.479231	0.237020	-1.041180
26	P2	-16.188087	0.131120	0.479170
30	P2	-19.485979	0.206376	-0.693529

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.177342	0.004947	-0.034652
7	P3	-8.177342	0.004947	-0.034652
11	P3	-8.177342	0.004947	-0.034652
15	P3	-8.177342	0.004947	-0.034652
19	P3	-8.177342	0.004947	-0.034652
22	P3	-8.177342	0.004947	-0.034652
26	P3	-8.177342	0.004947	-0.034652
30	P3	-8.177342	0.004947	-0.034652

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
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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	-3.379884	0.260618	-1.206530
7	P1	-2.930252	0.065306	0.353370
11	P1	-3.143930	0.269314	1.338608
15	P1	-3.455075	0.031093	0.299741
19	P1	-3.343269	0.059681	0.064384
22	P1	-5.170443	0.156104	0.224081
26	P1	-5.931825	0.593630	0.956057
30	P1	-5.297174	0.344364	0.596410
3	P1	-11.495379	0.418074	0.221521
7	P1	-11.318414	19.481356	5.007725
11	P1	-12.292684	38.305878	8.678625
15	P1	-12.453164	33.097580	6.795590
19	P1	-15.333398	0.212503	-0.396782
22	P1	-21.513113	5.175233	5.119191

26	P1	-17.285002	4.929387	0.193546
30	P1	-19.388561	1.828736	2.338878

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.638855	0.057304	-0.335613
7	P2	-22.866365	0.261176	-0.912265
11	P2	-11.332851	0.829711	-2.079521
15	P2	-4.930953	0.045438	0.203816
19	P2	-6.799308	0.108296	-0.356739
22	P2	-7.838514	0.221775	-1.193033
26	P2	-23.879471	0.042602	0.116288
30	P2	-22.077242	0.056612	0.039095

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.020514	0.002906	-0.038608
7	P3	-8.020600	0.002910	-0.039155
11	P3	-8.020386	0.002913	-0.039317
15	P3	-8.020465	0.002911	-0.039145
19	P3	-8.020660	0.002912	-0.038834
22	P3	-8.020451	0.002915	-0.039273
26	P3	-8.020722	0.002909	-0.039195
30	P3	-8.020485	0.002918	-0.038812

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	0.000535608
	stdev	1.82902e-07
MEAN Q	mean	0.000526979
	stdev	2.18543e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.135594
	stdev	0.00110233
STDEV Q	mean	0.135916
	stdev	0.00111790

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005101[012]
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_1PNPDE20051010_155732_000002332041_00298_18889_8044.N1	1	0
ASA_IMM_1PNPDK20051010_124847_000000882041_00296_18887_5483.N1	1	0
ASA_WSM_1PNPDE20051010_041813_000001592041_00291_18882_3248.N1	0	37
ASA_WSM_1PNPDE20051011_010913_000003062041_00303_18894_3388.N1	0	19
ASA_WSM_1PNPDE20051011_170741_000002392041_00313_18904_3469.N1	0	25

ASA_WSM_1PNPDE20051011_191644_000000672041_00314_18905_3478.N1	0	101
ASA_WSM_1PNPDE20051011_191644_000000672041_00314_18905_3489.N1	0	101
ASA_WSM_1PNPDK20051011_134721_000000922041_00311_18902_6753.N1	0	73

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
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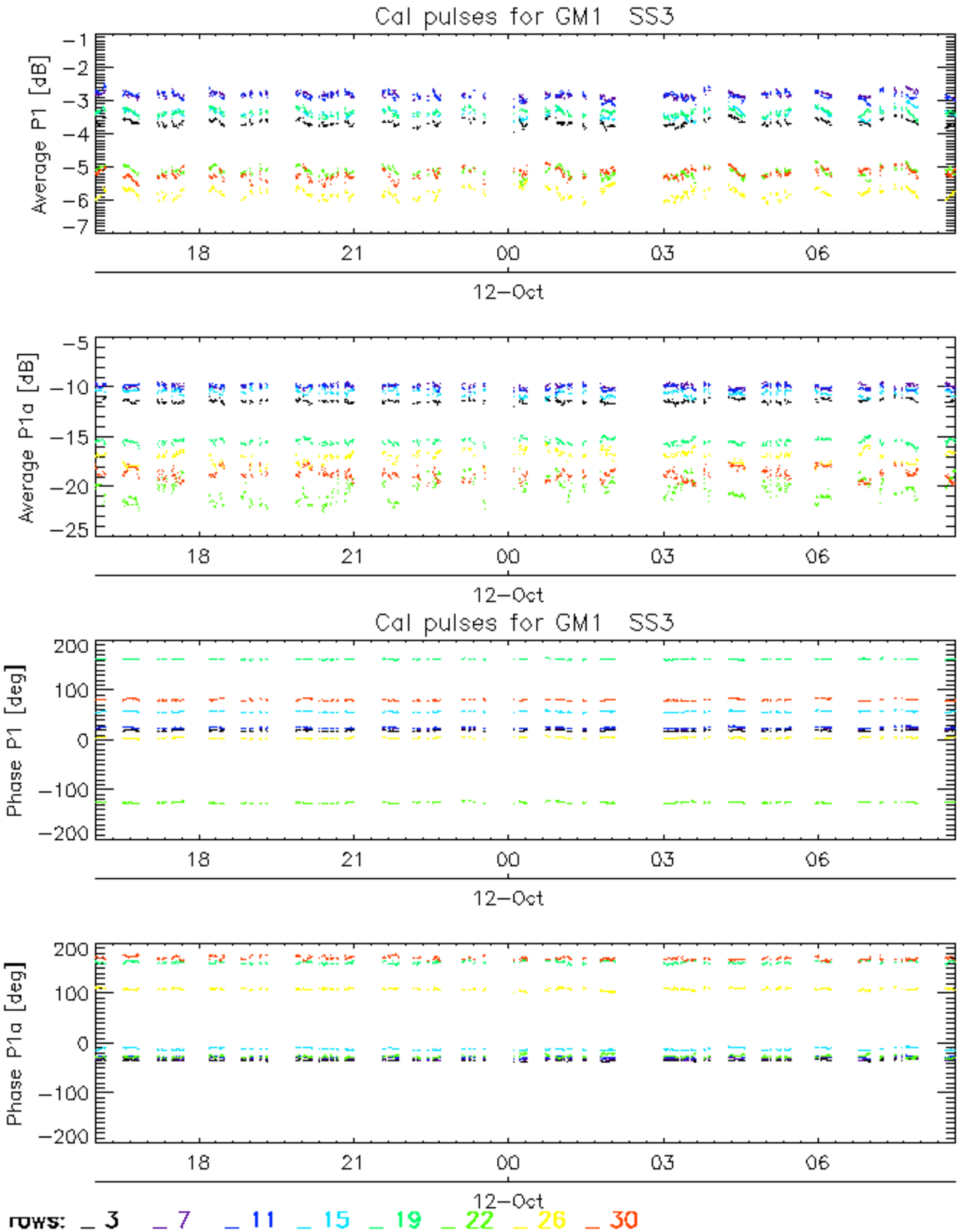
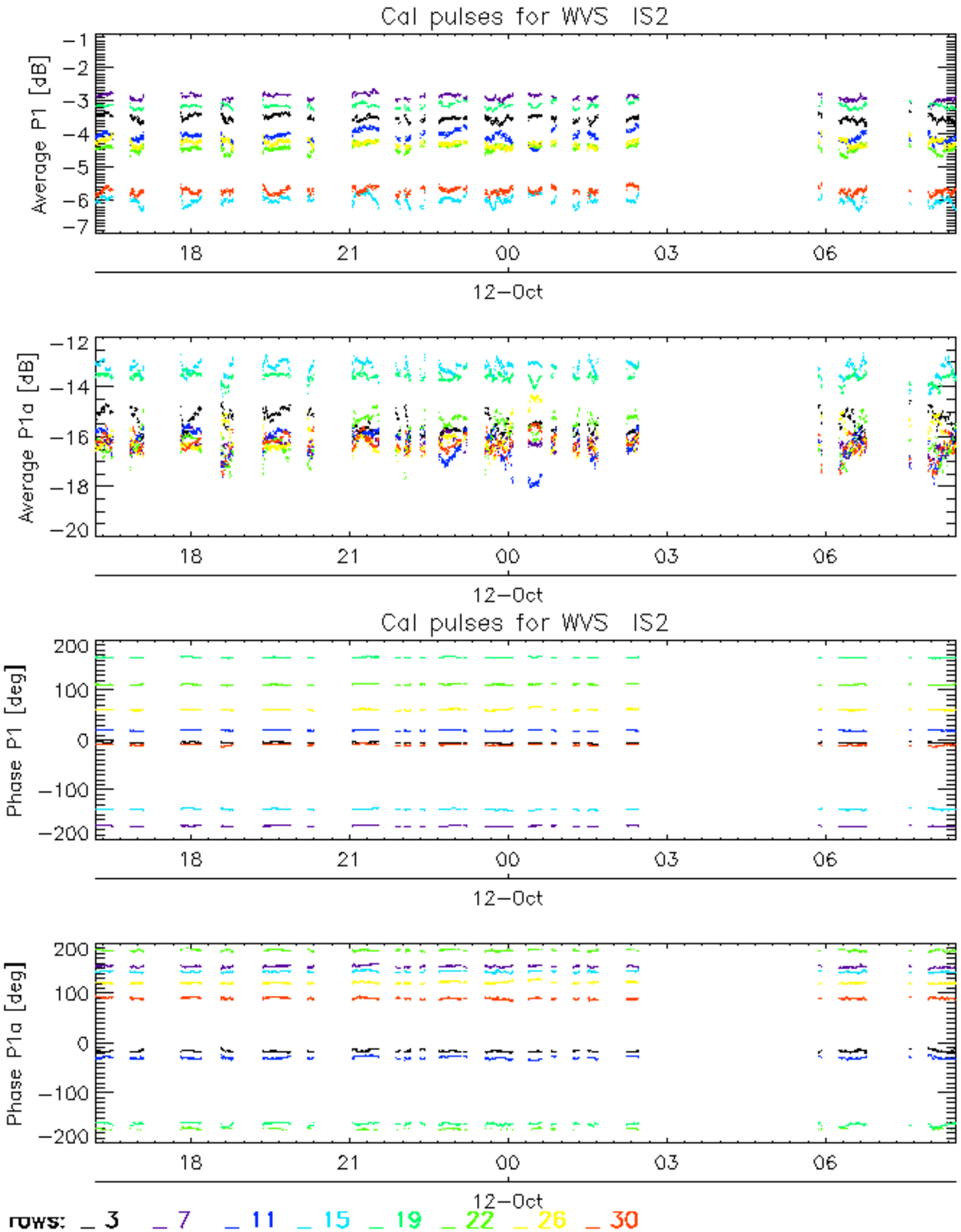
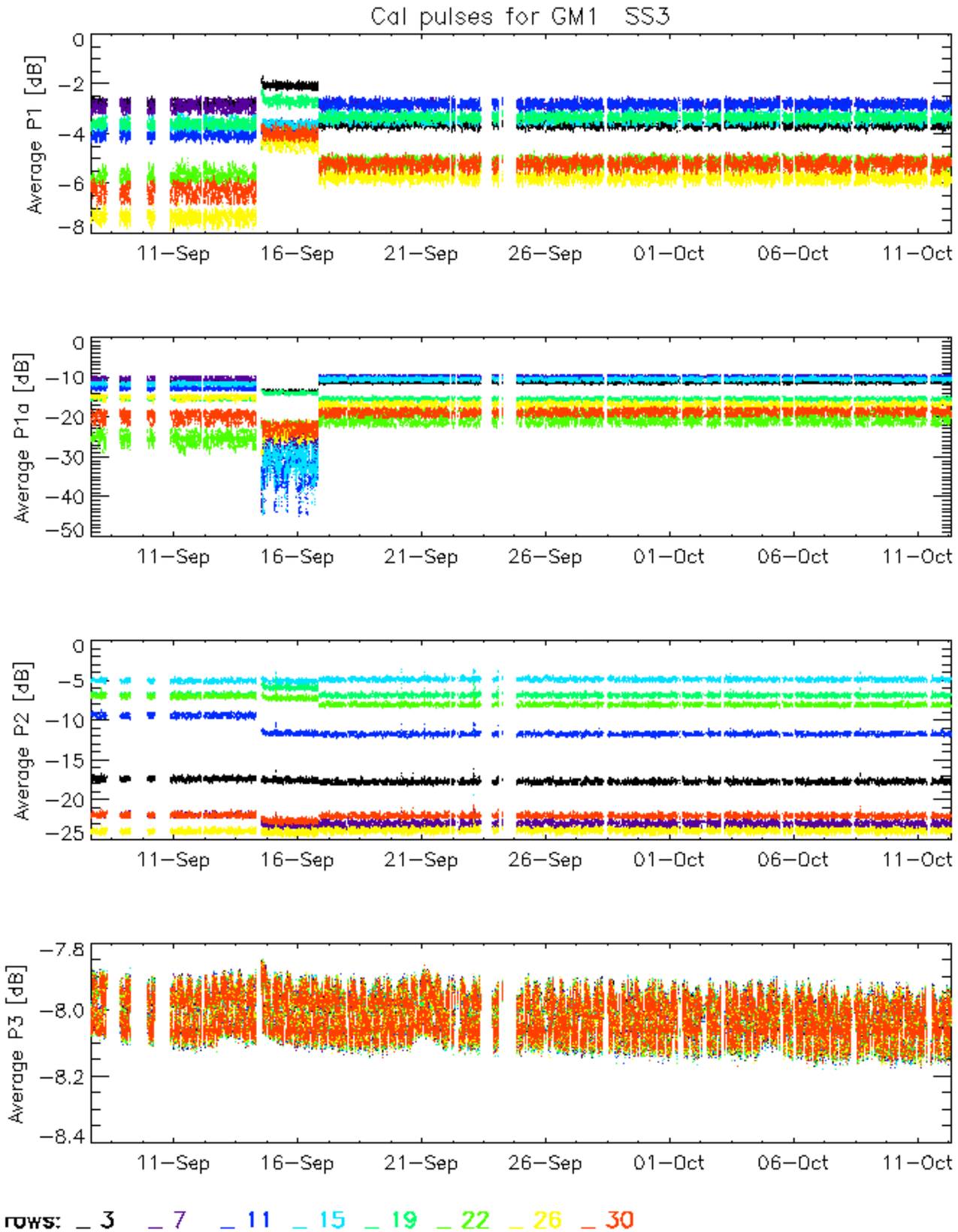
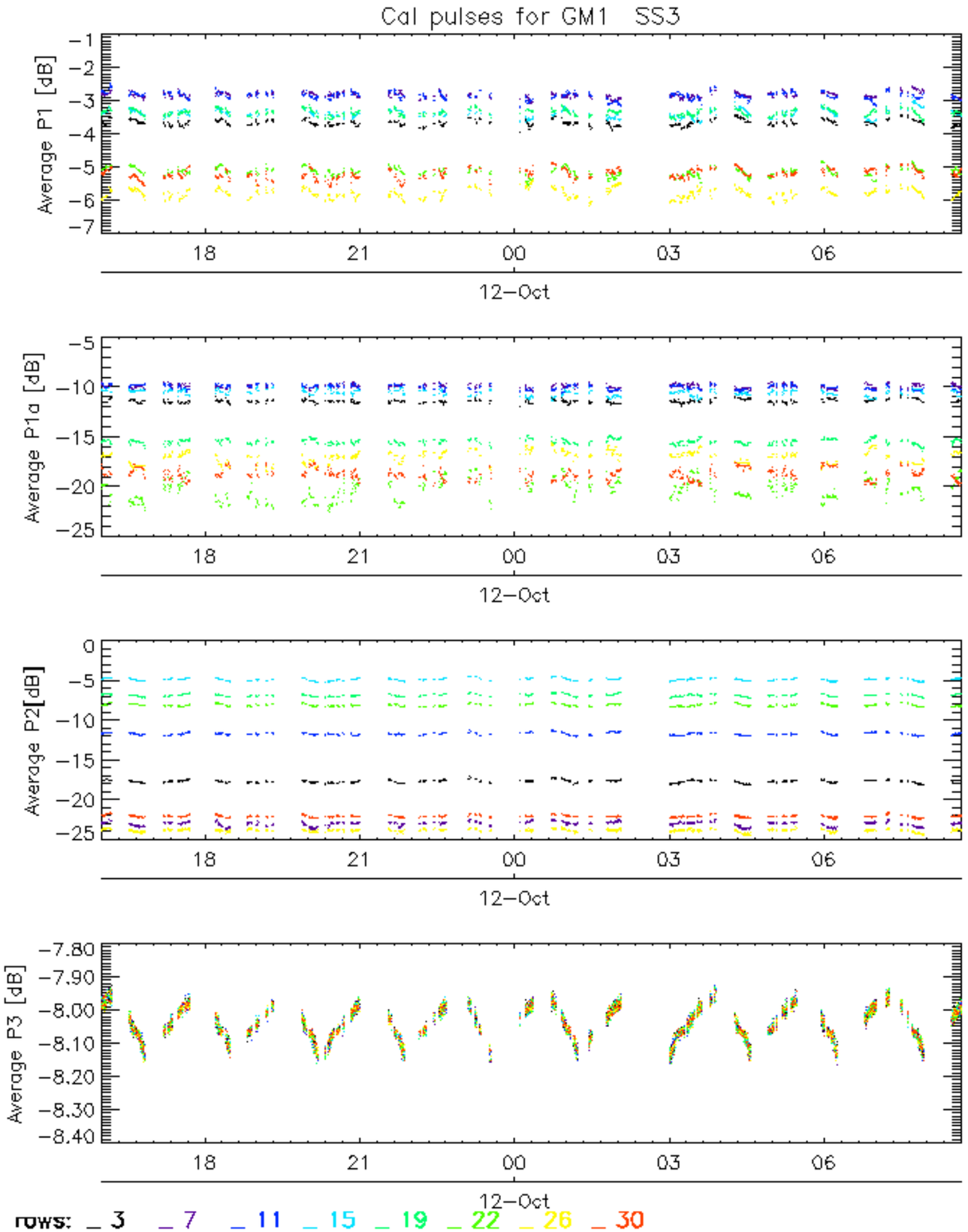
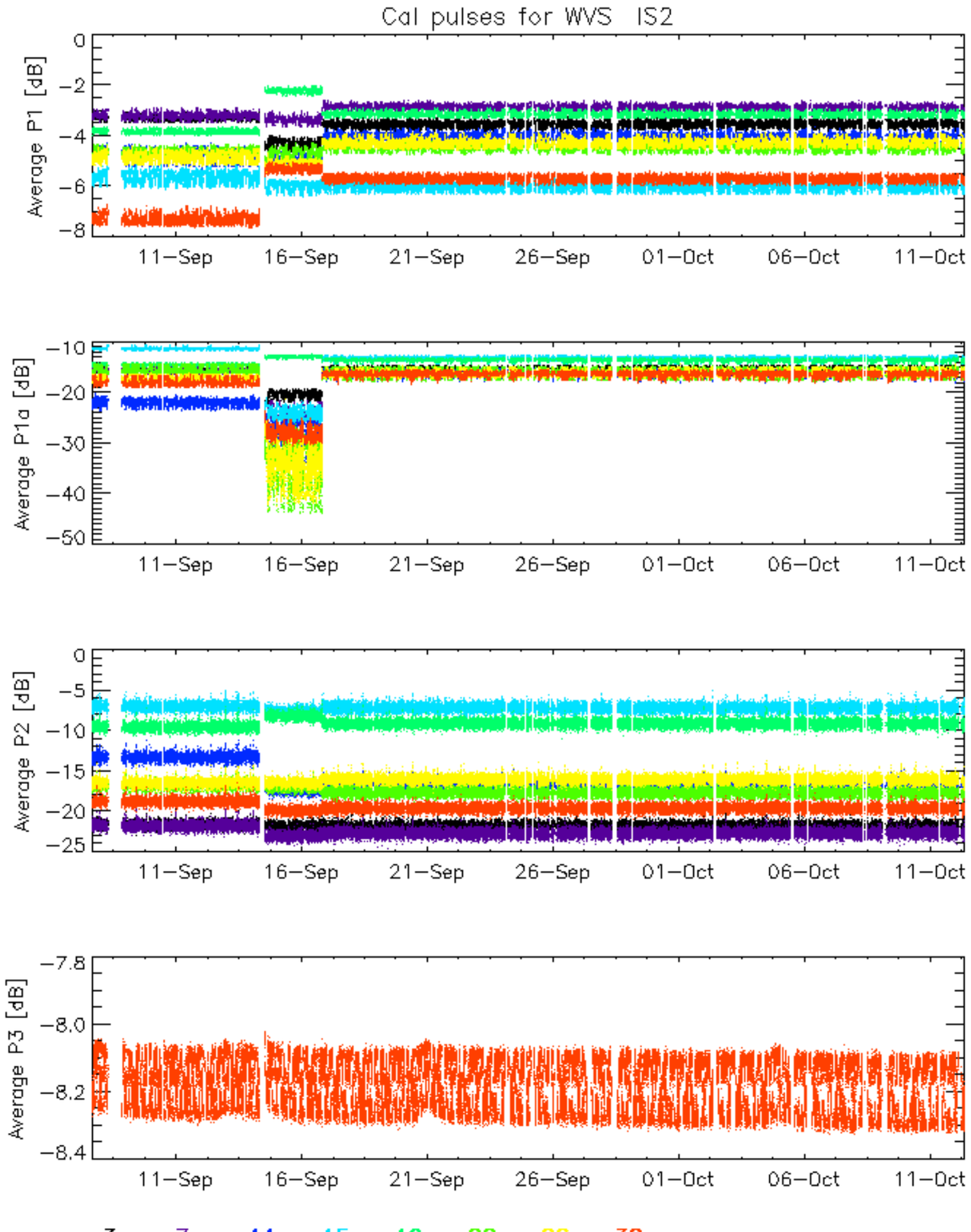
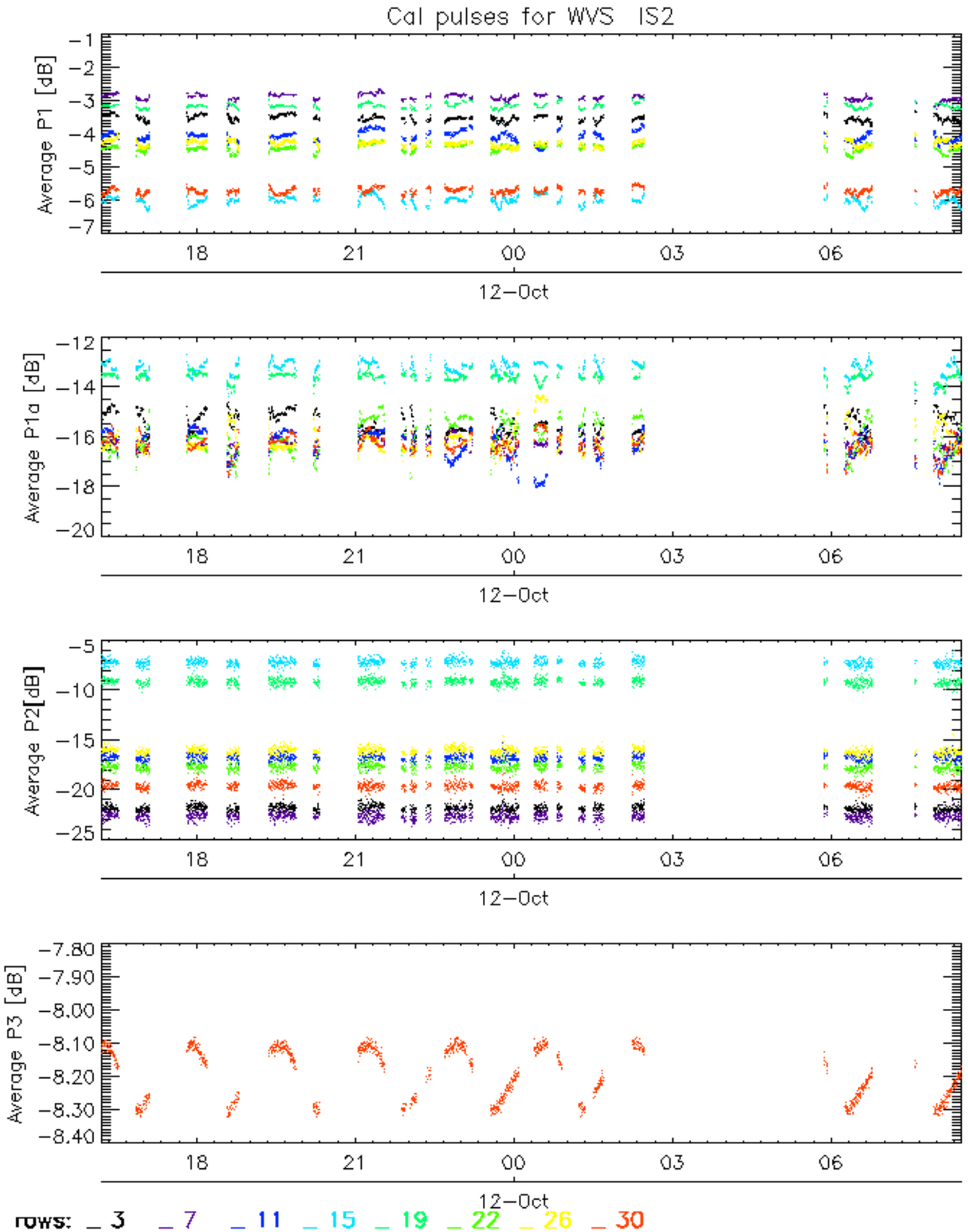

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Oct
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Oct
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
12−Oct
rows: _ 3 _ 7 _ 11 _ 15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


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

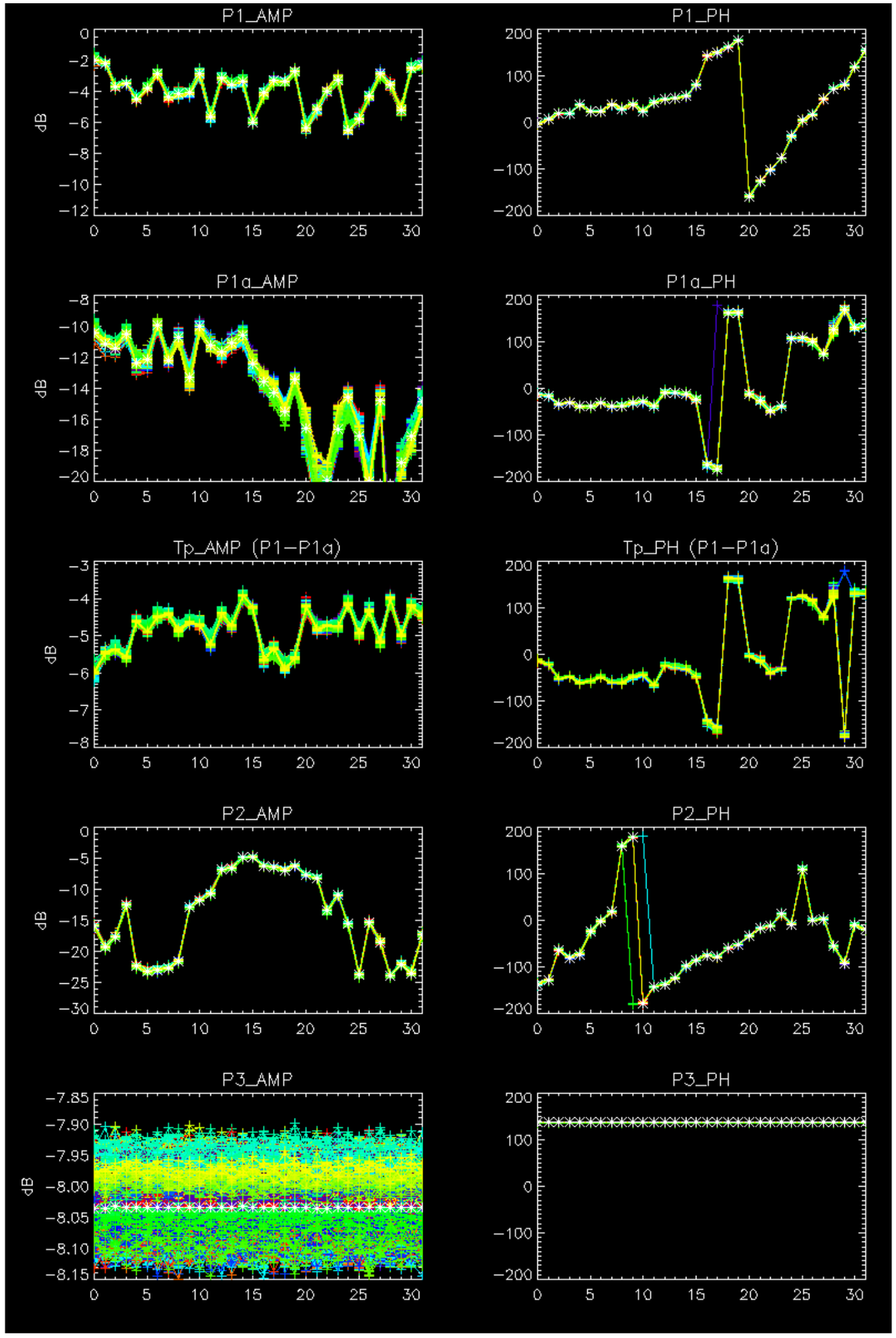

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
12−Oct
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
12−Oct
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
12−Oct
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
12−Oct
rows: _ 3 _ 7 _ 11 _ 15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

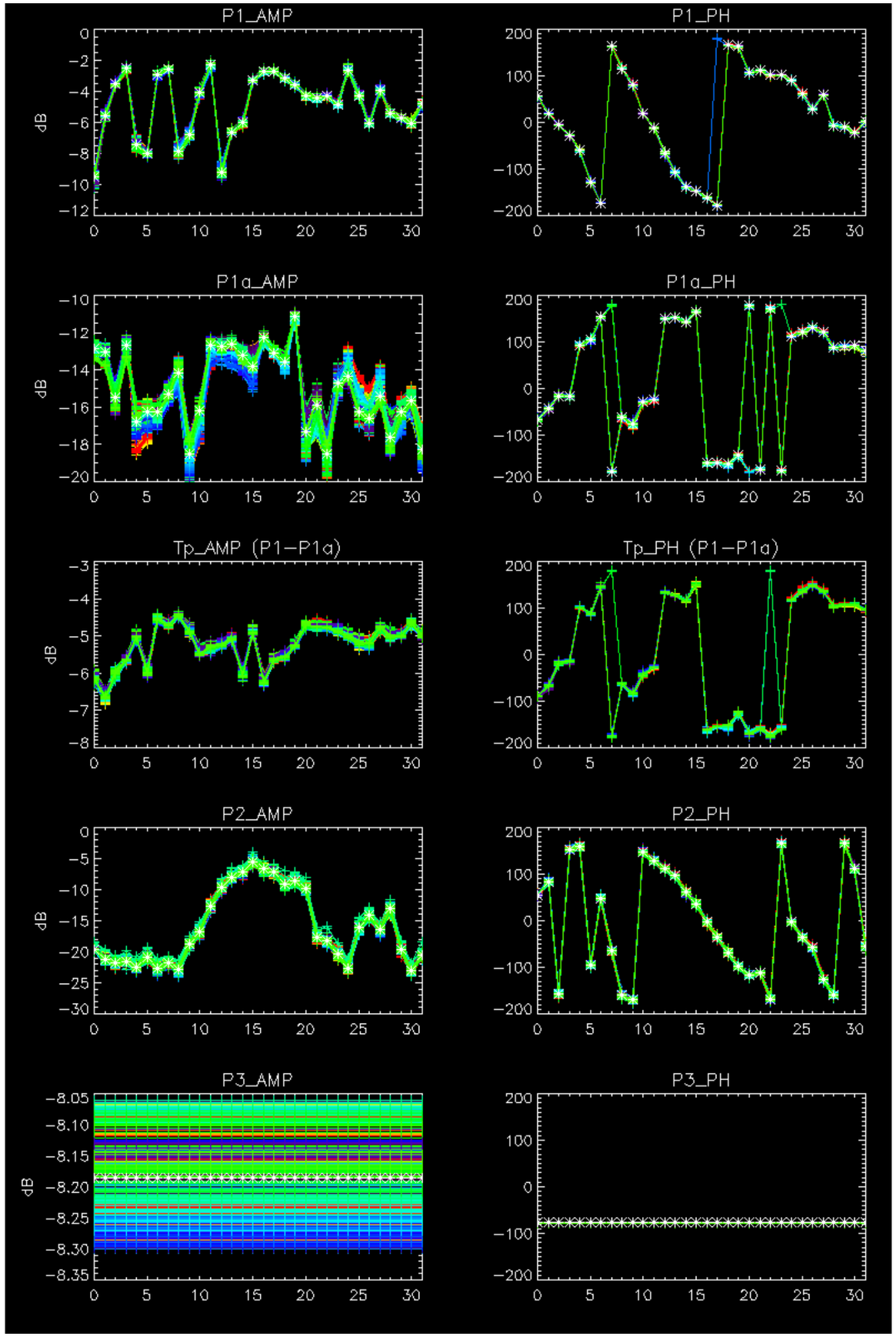

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct
Average P1a [dB]
−10
−20
−30
−40
−50
Average P2 [dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

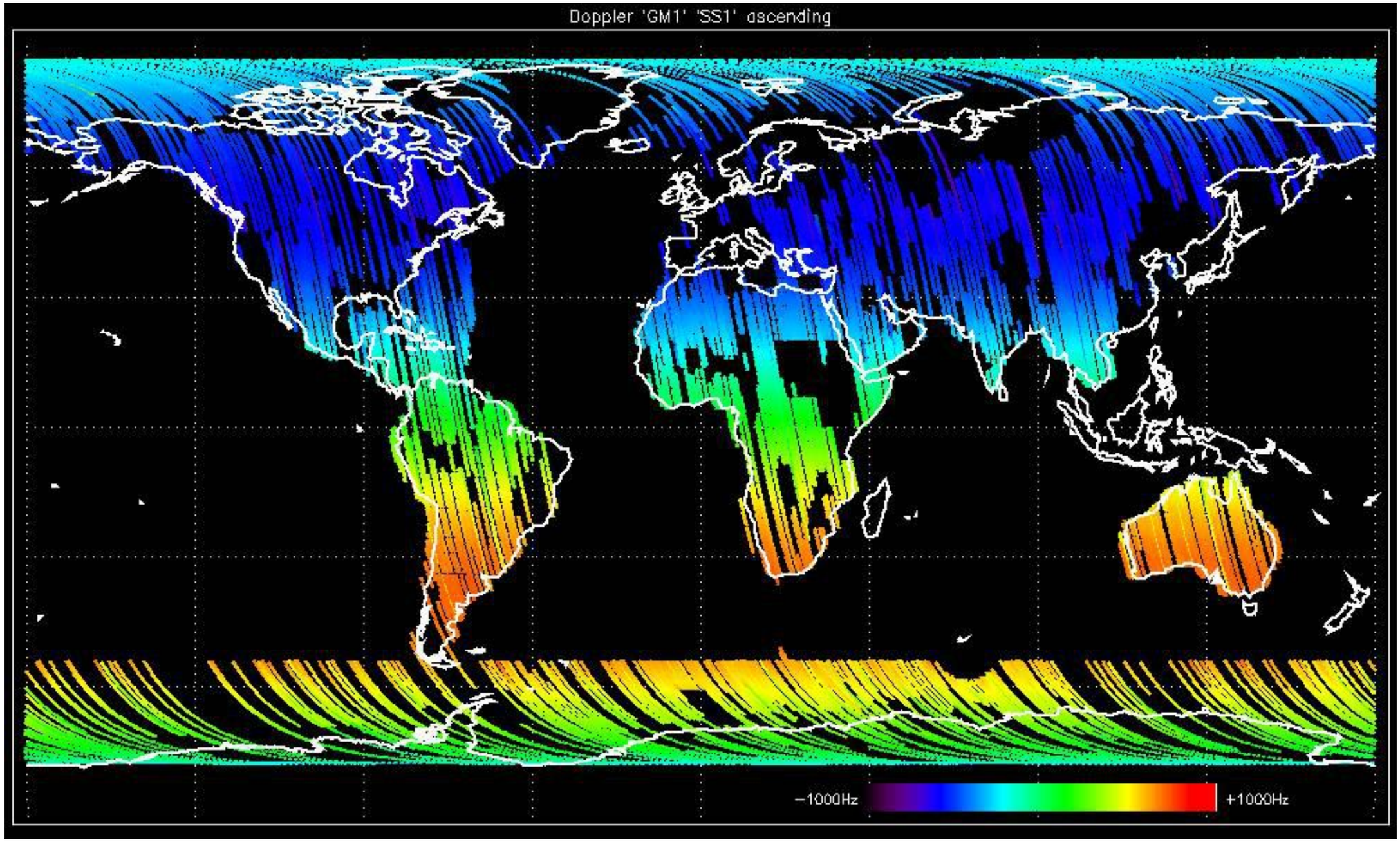
No anomalies observed.

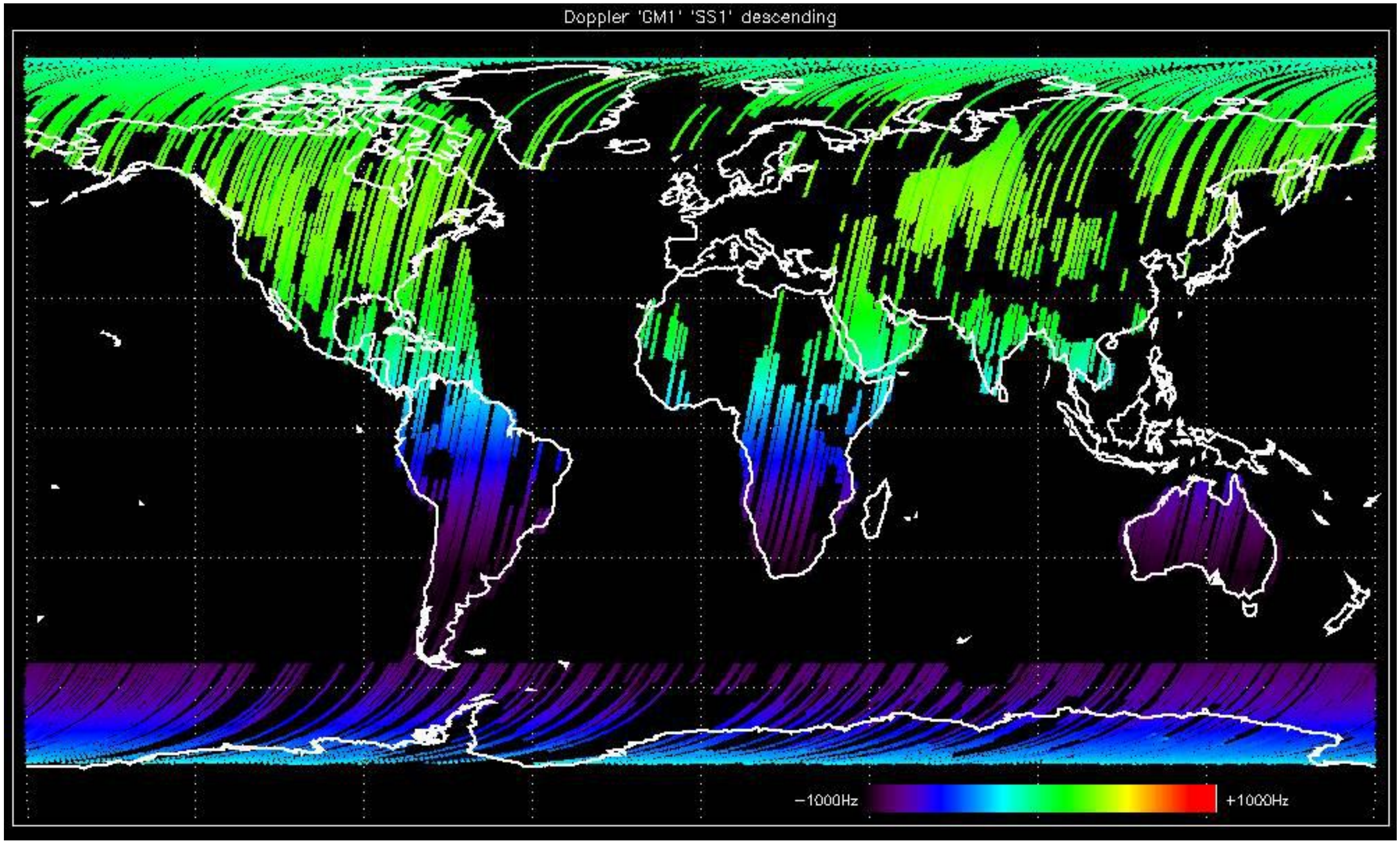

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

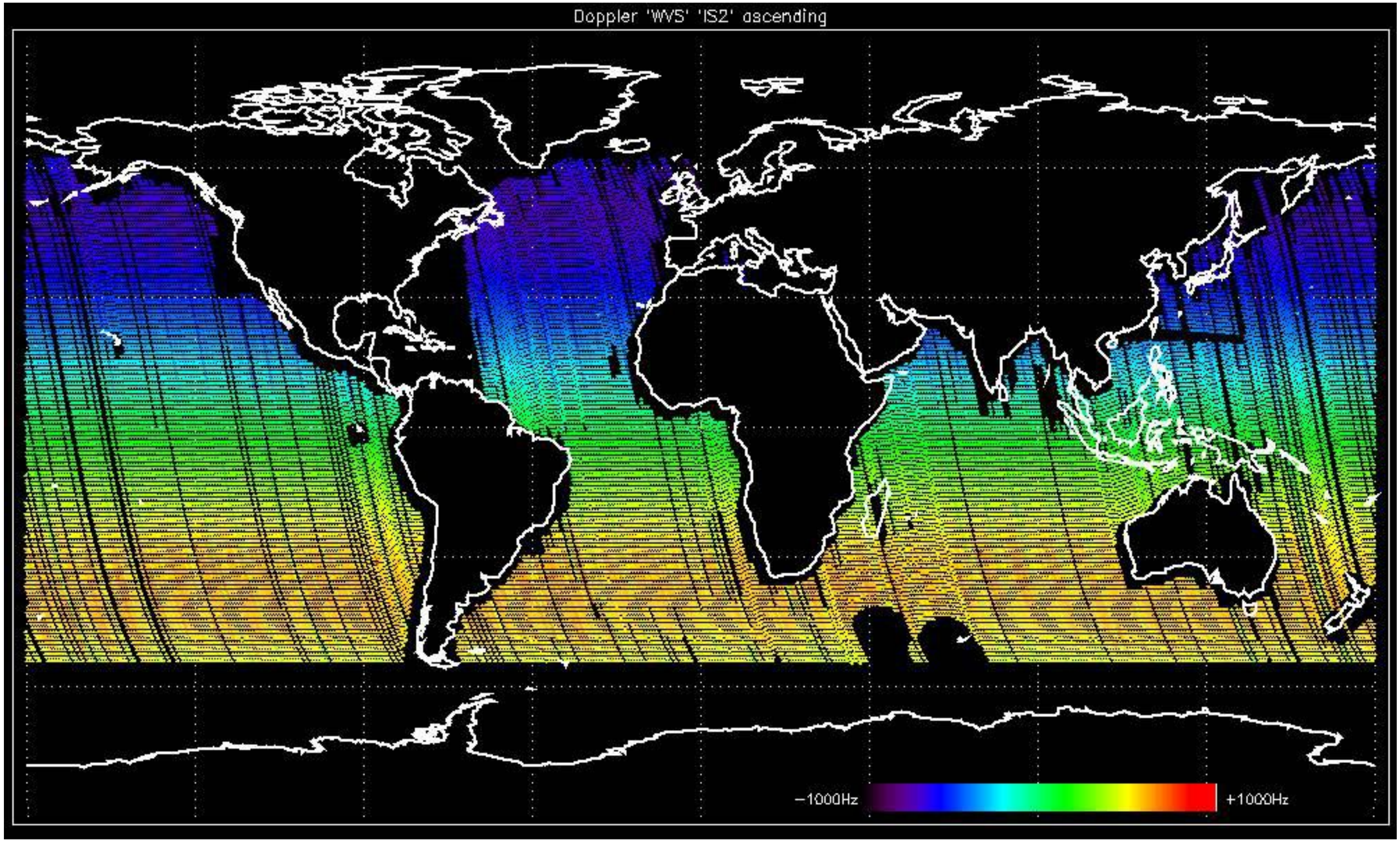

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

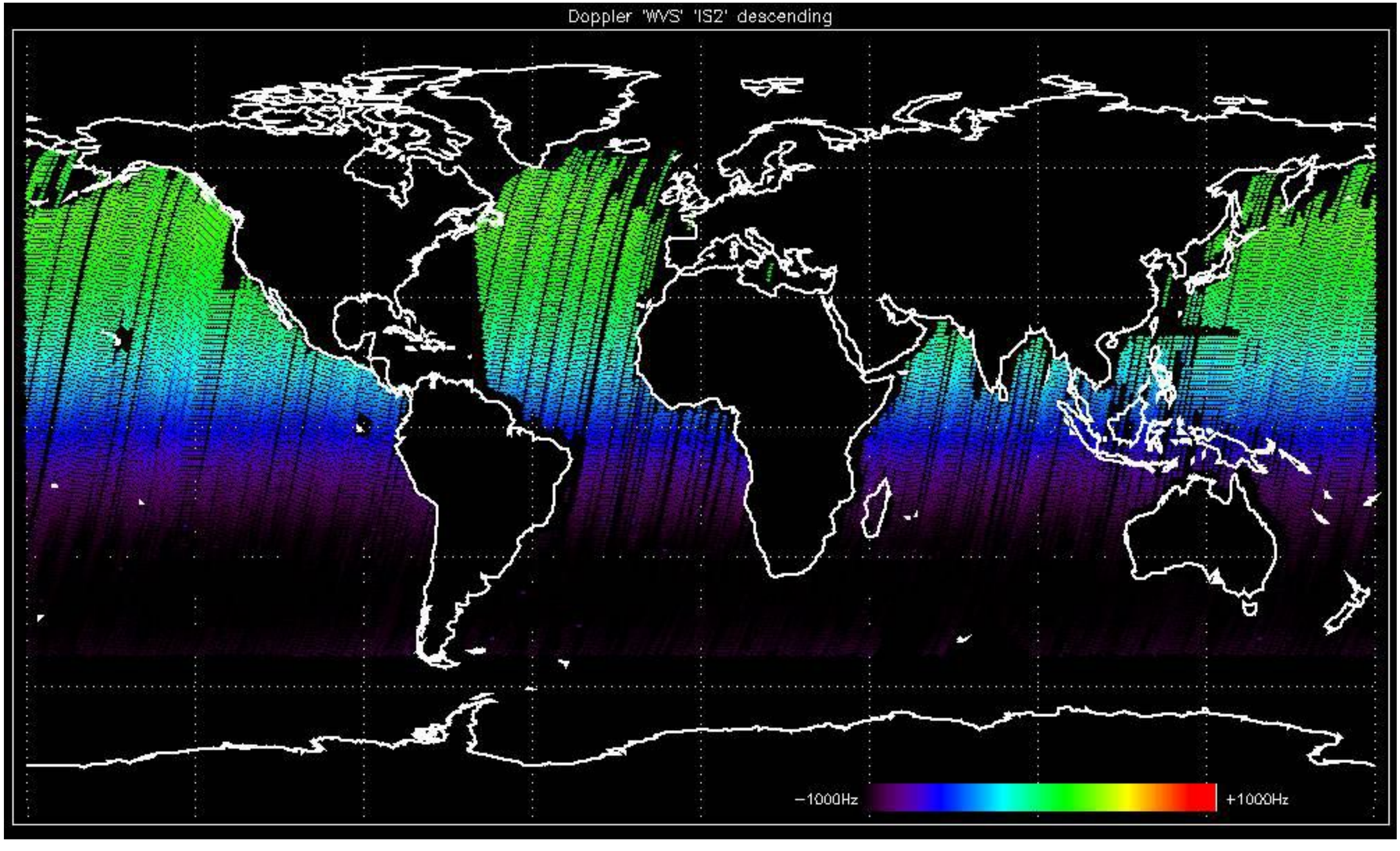
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

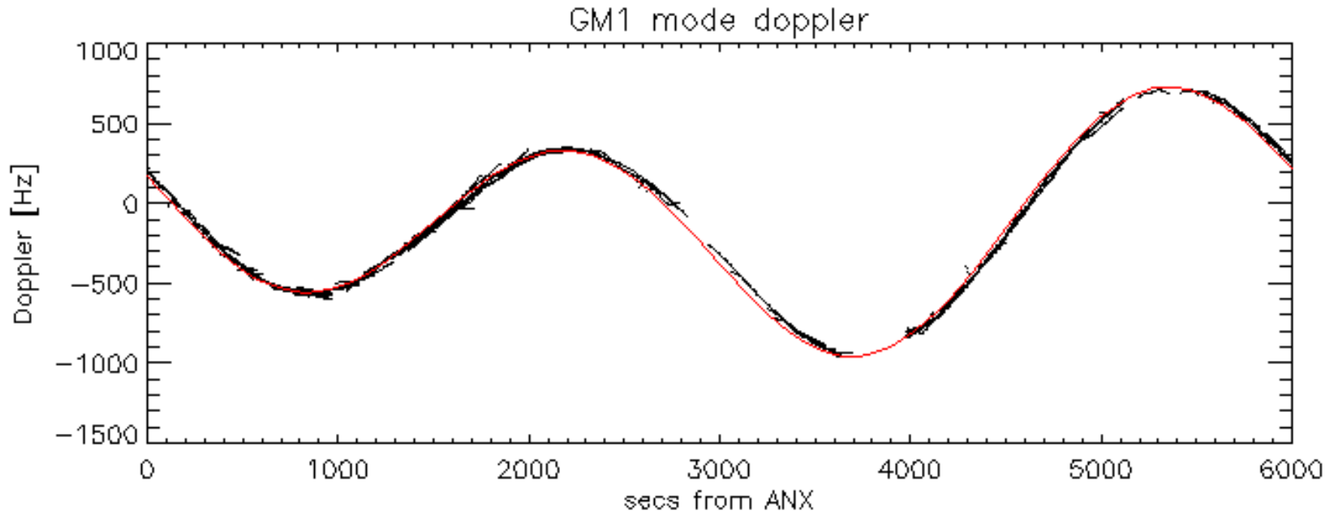
Preliminary report.The data is not yet controled

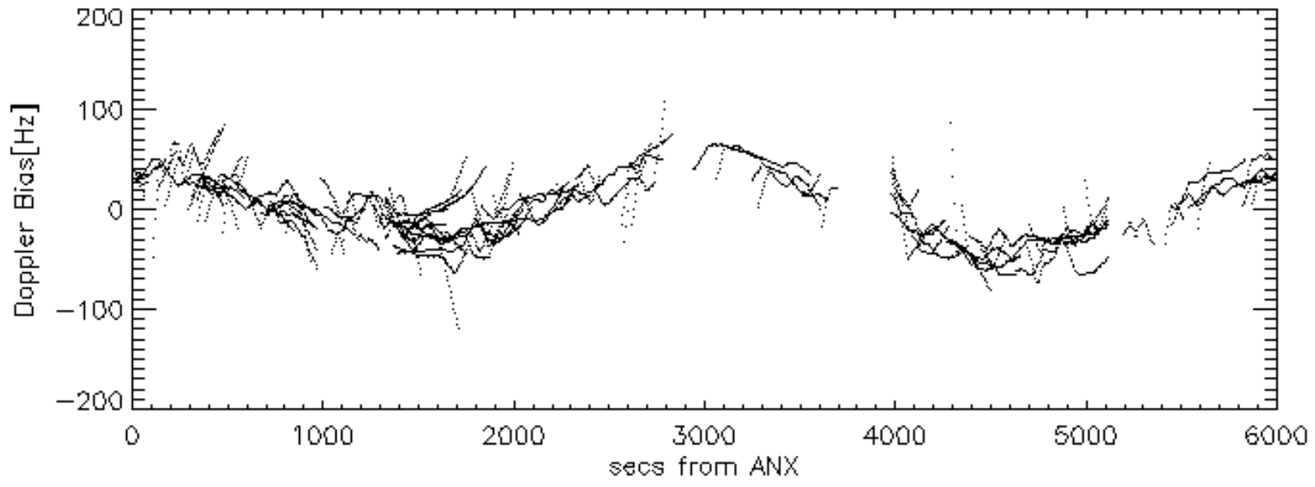

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

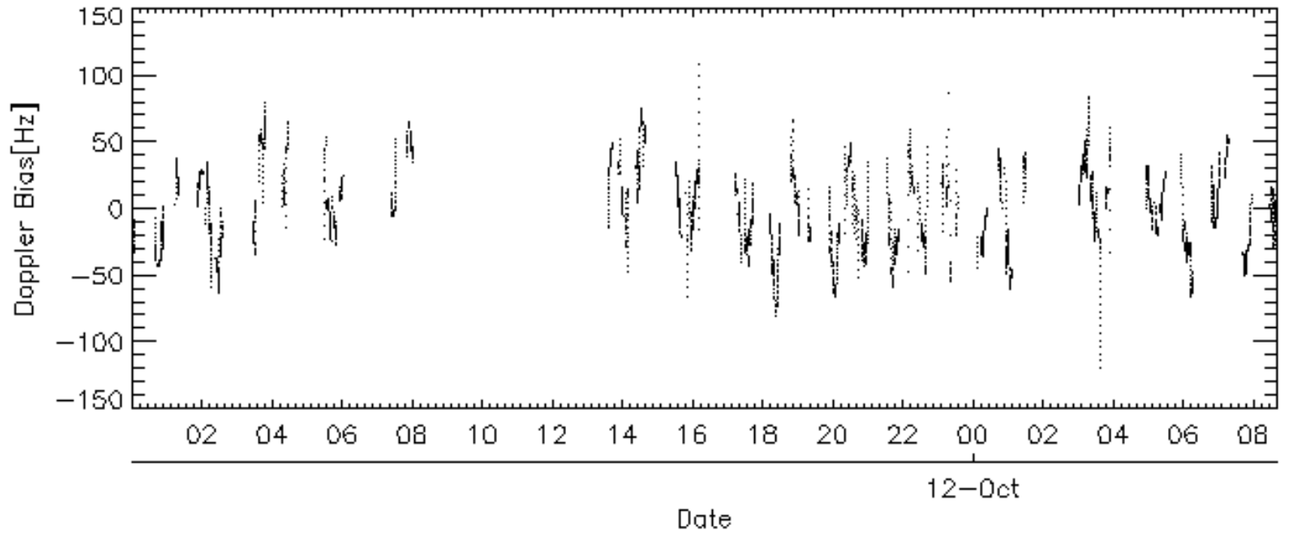

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

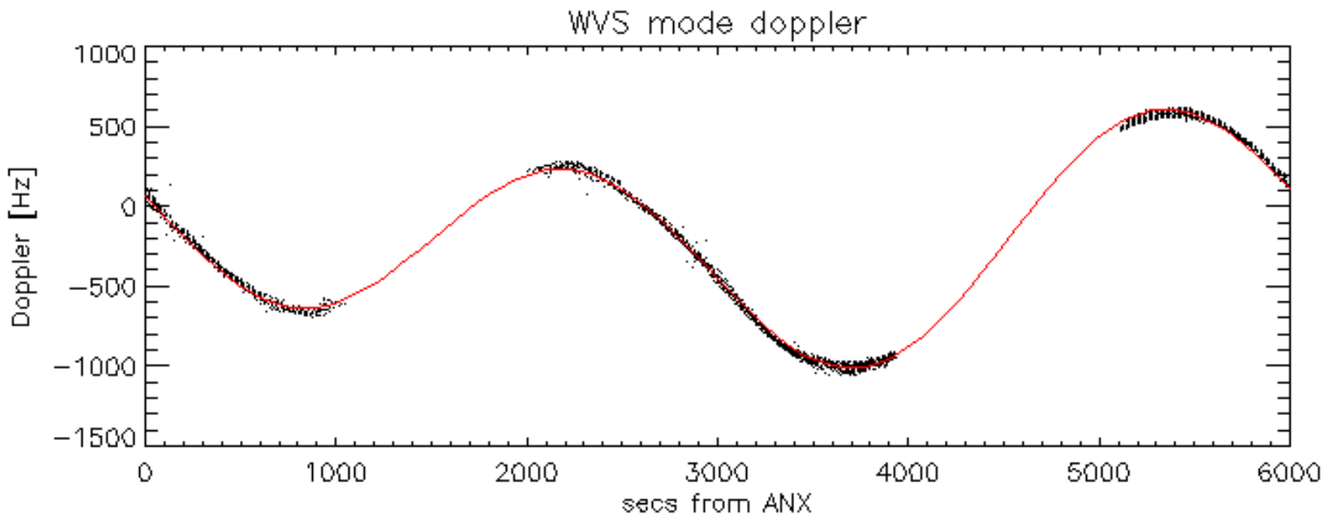

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

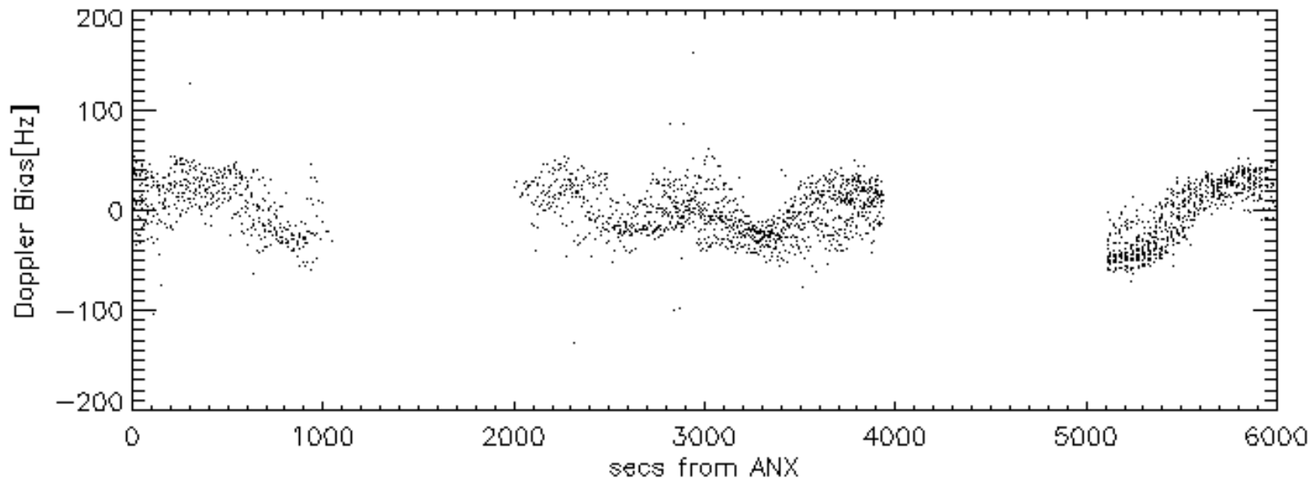

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

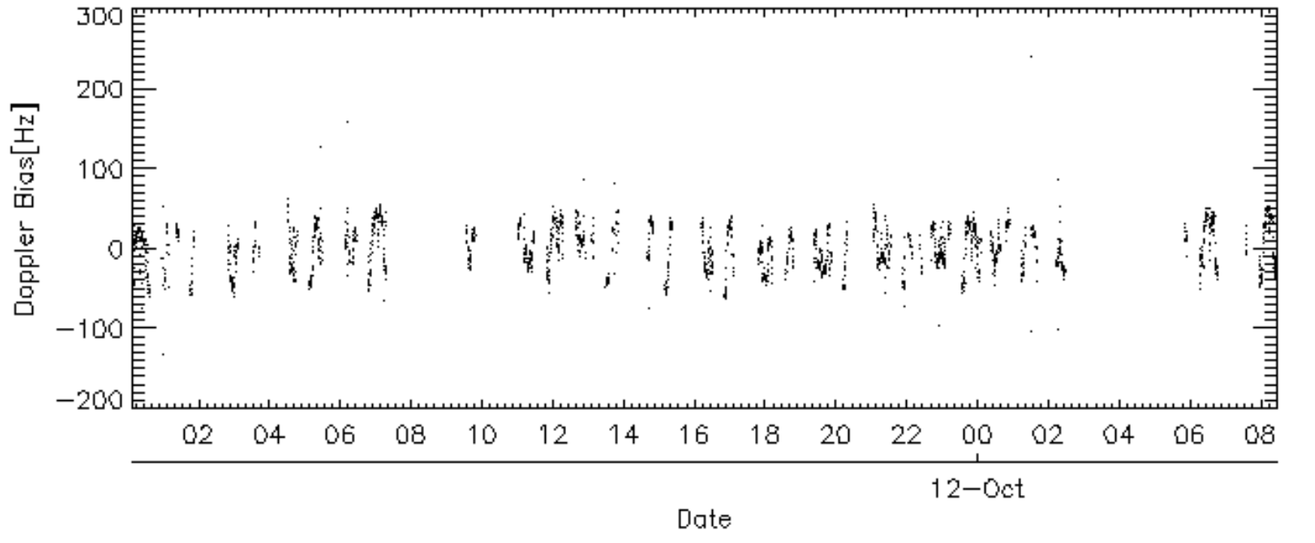

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

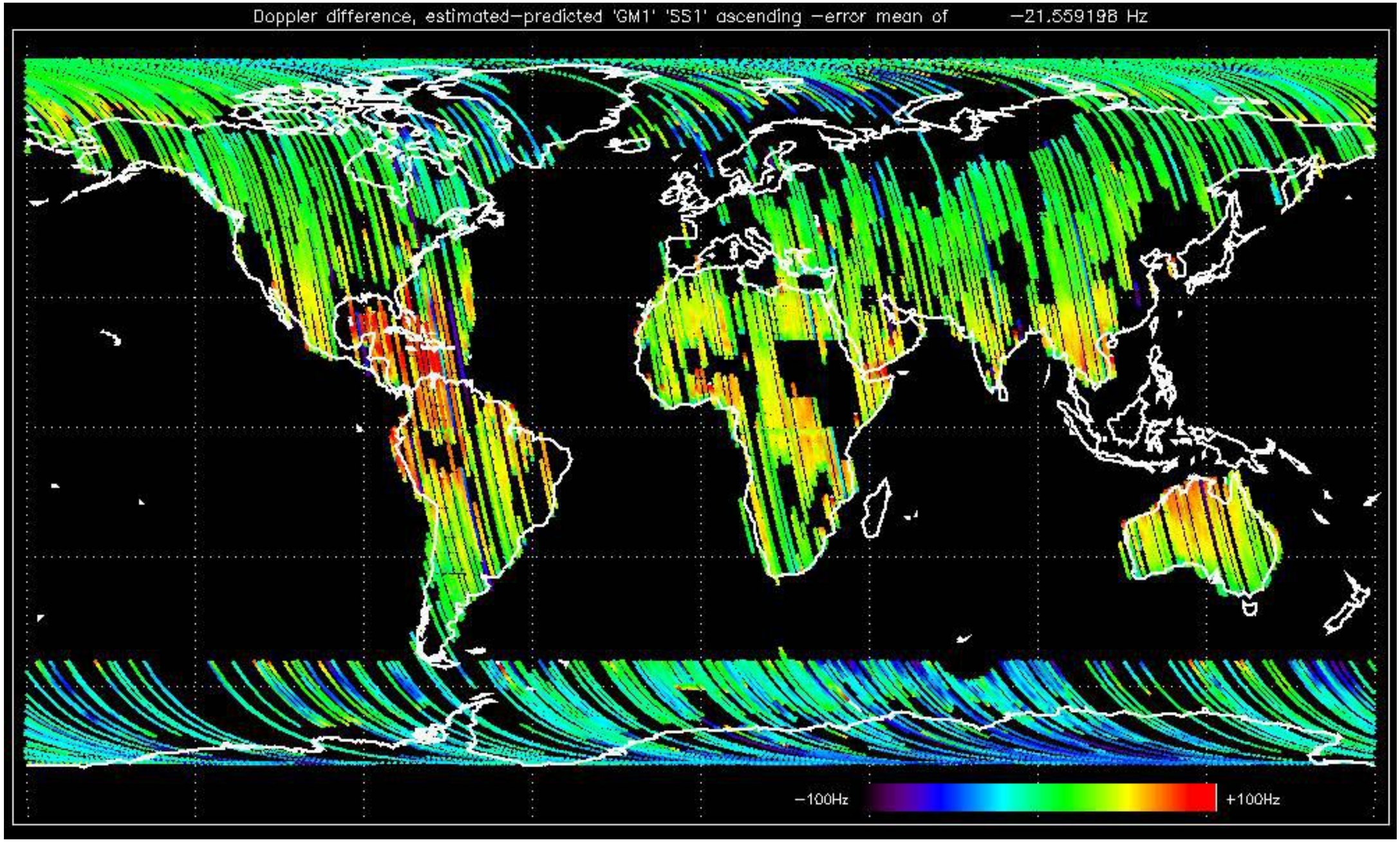

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

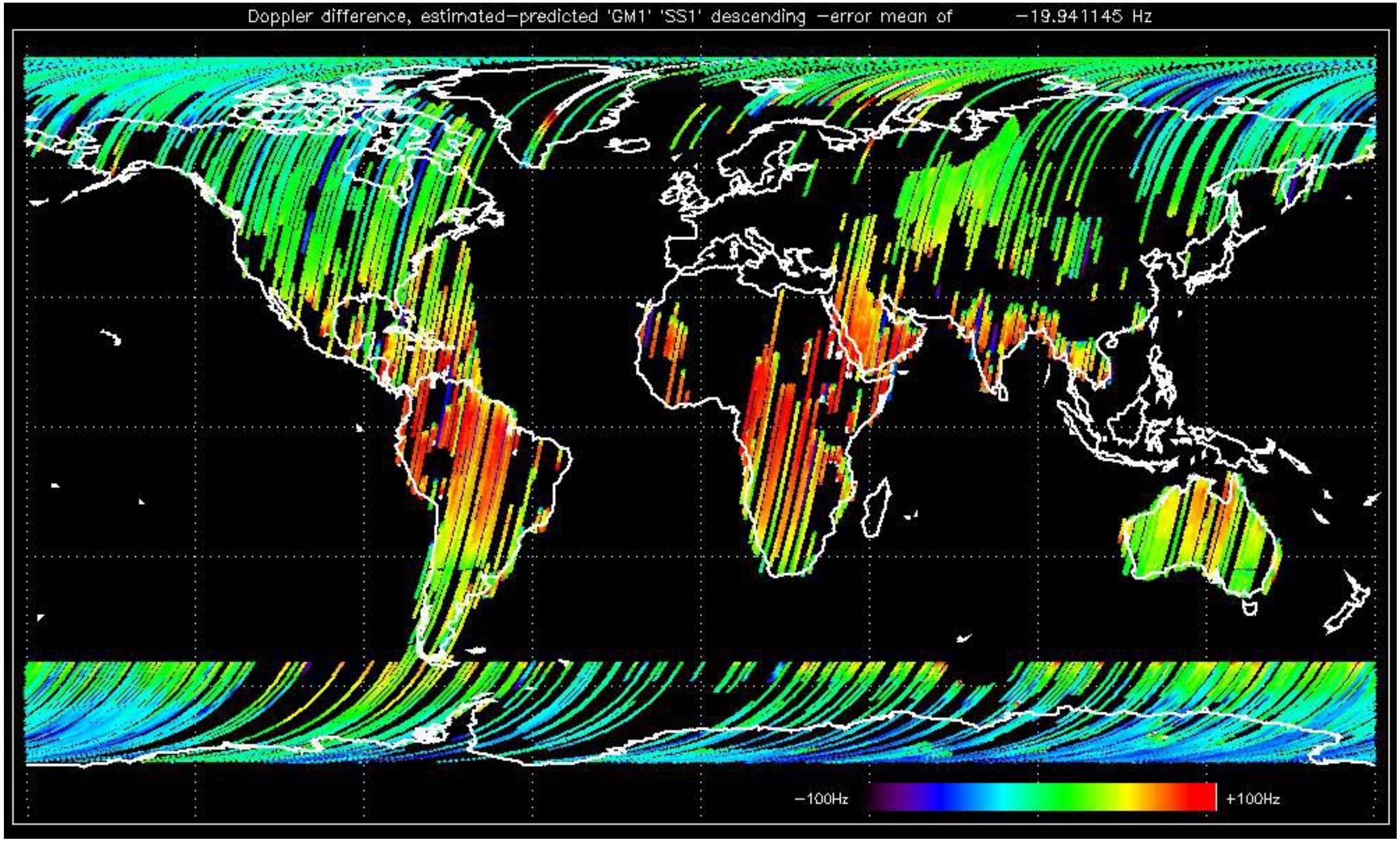

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
12−Oct
Date

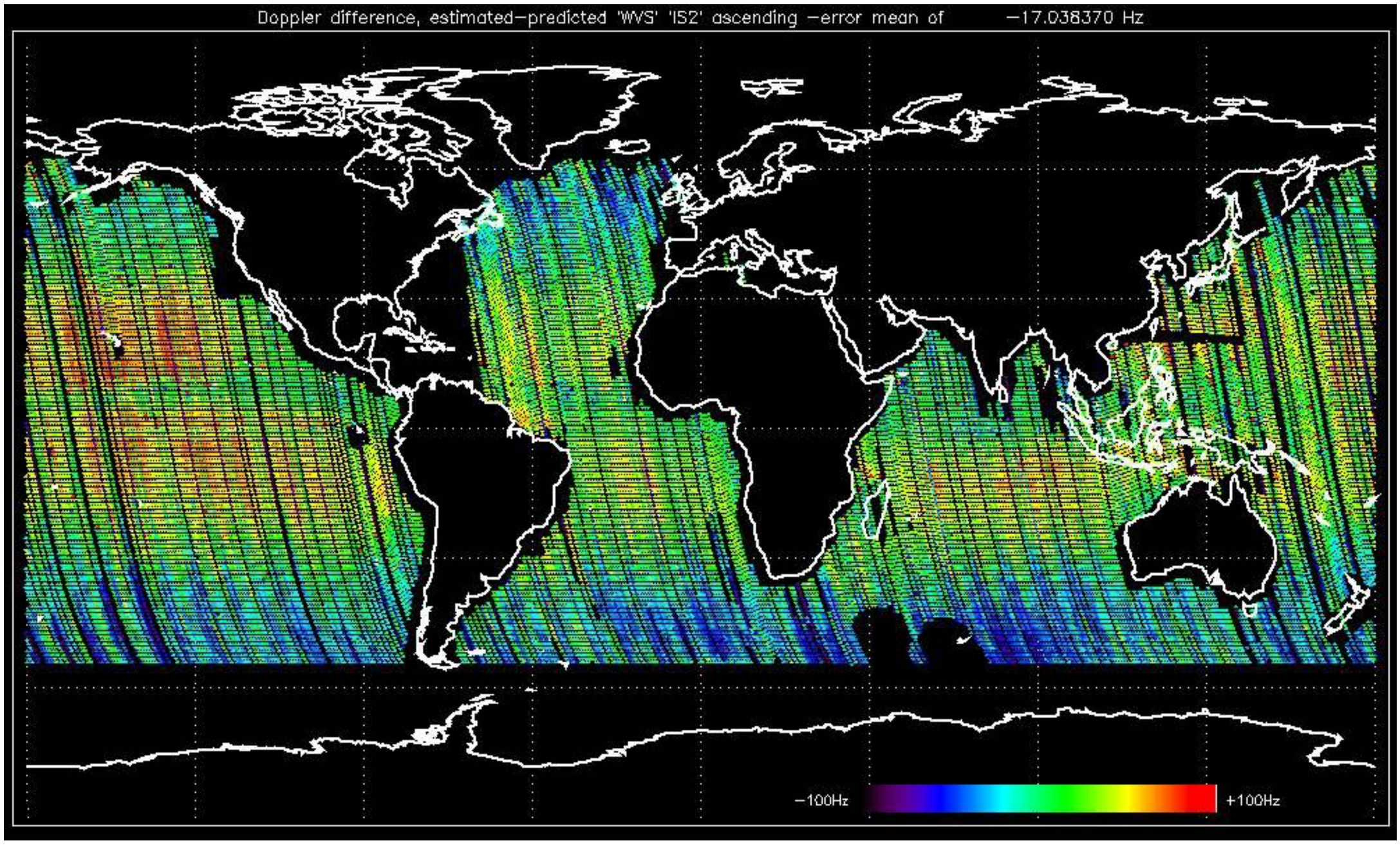

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

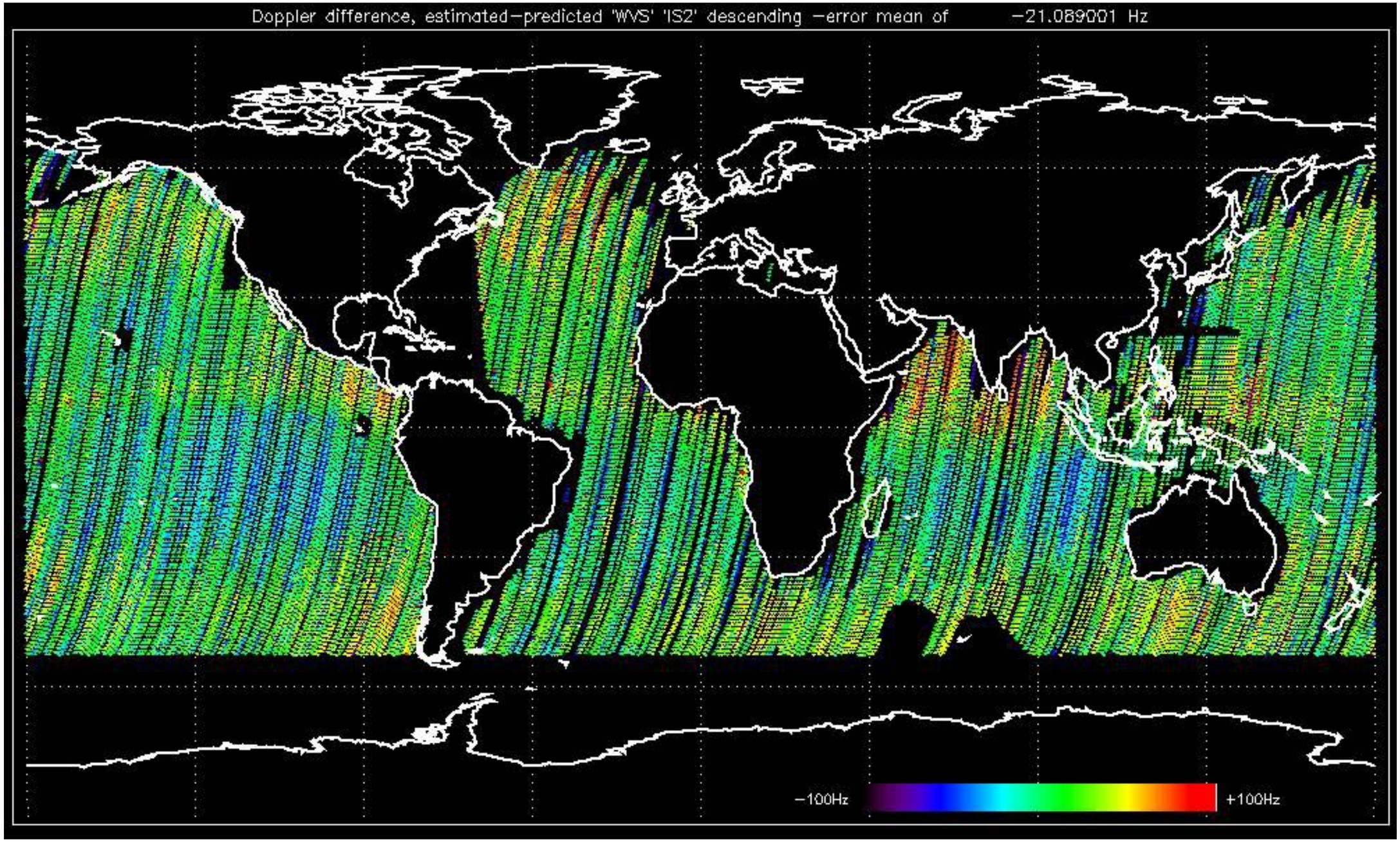

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −21.559198 Hz
−100Hz
+100Hz

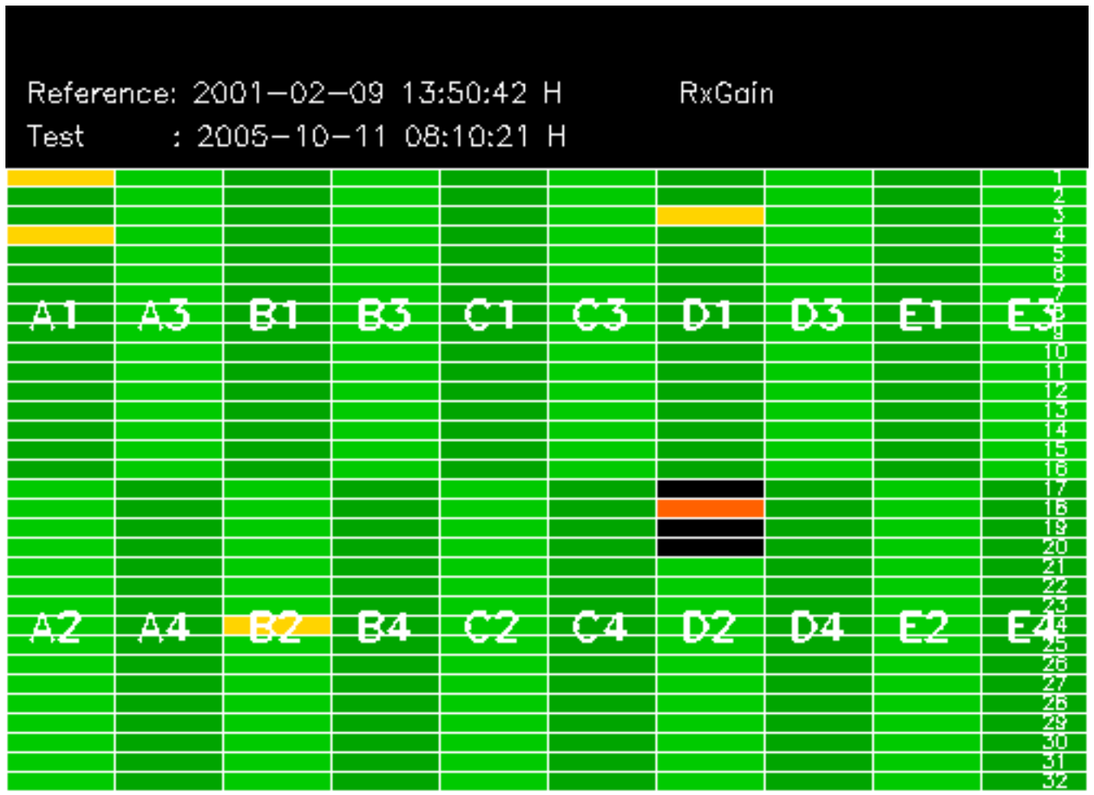

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -19.941145 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −17.038370 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.089001 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-10-11 08:10:21 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
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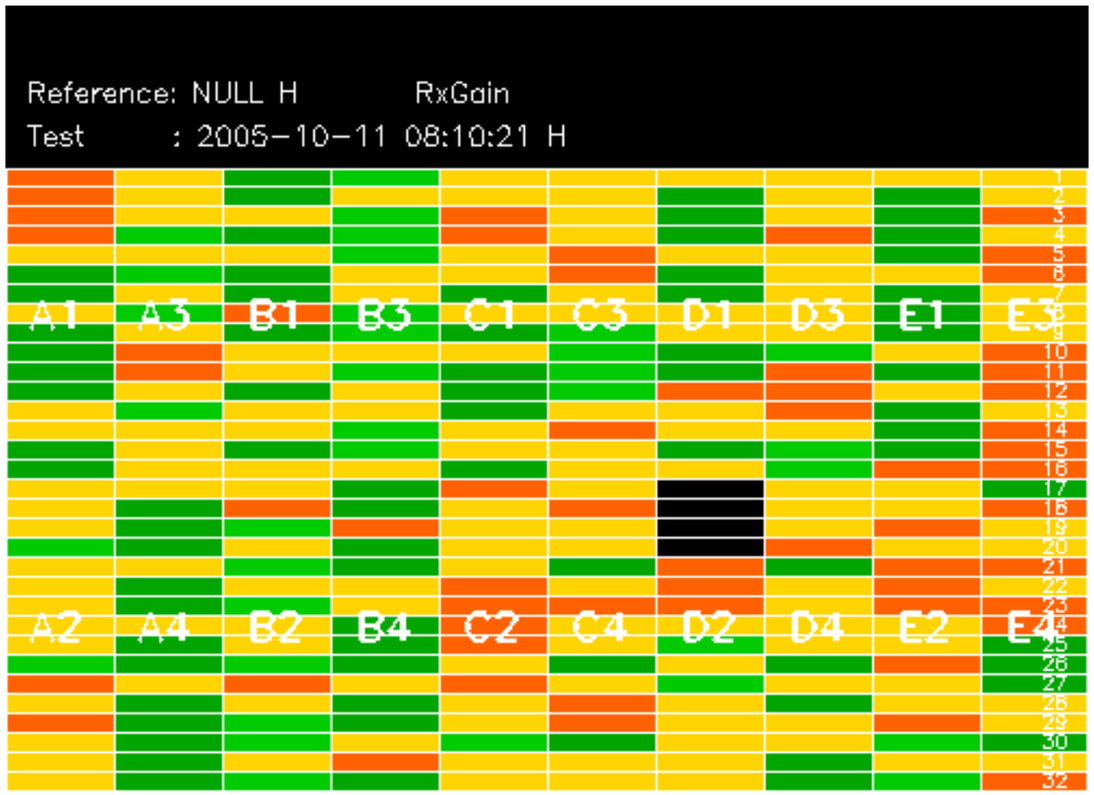
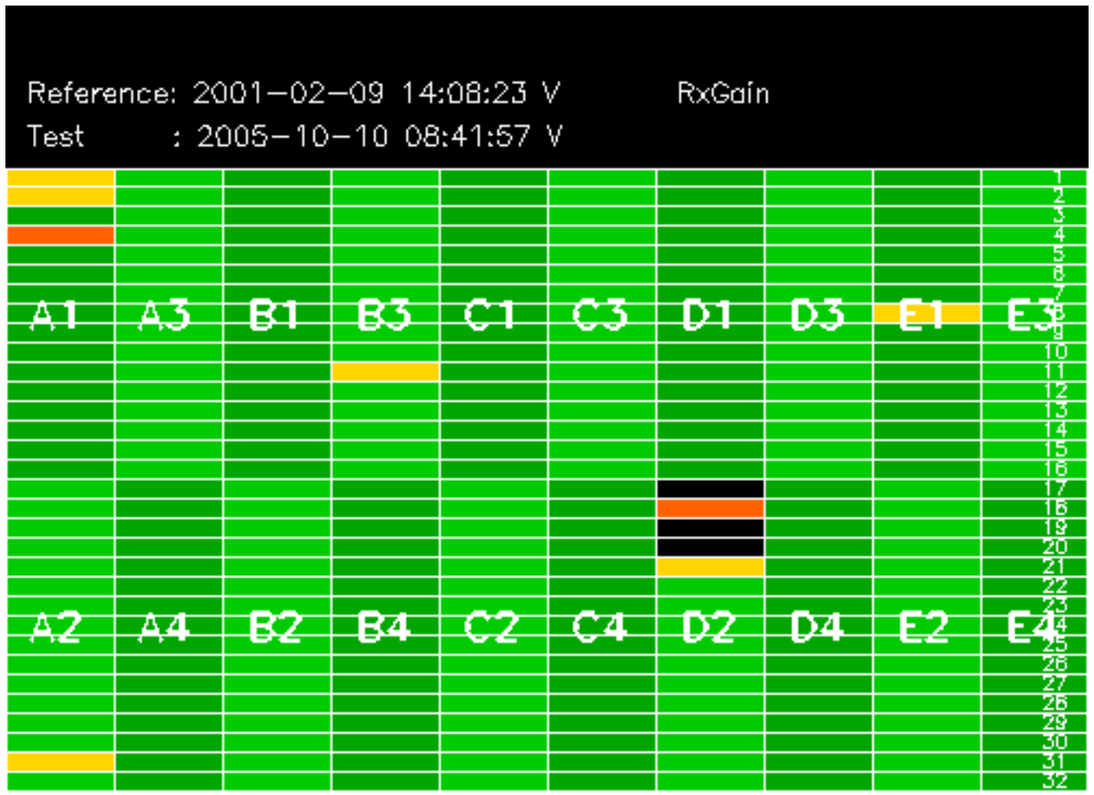

Reference: NULL H RxGain
Test : 2005-10-11 08:10:21 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-10-10 08:41:57 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
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8
9
10
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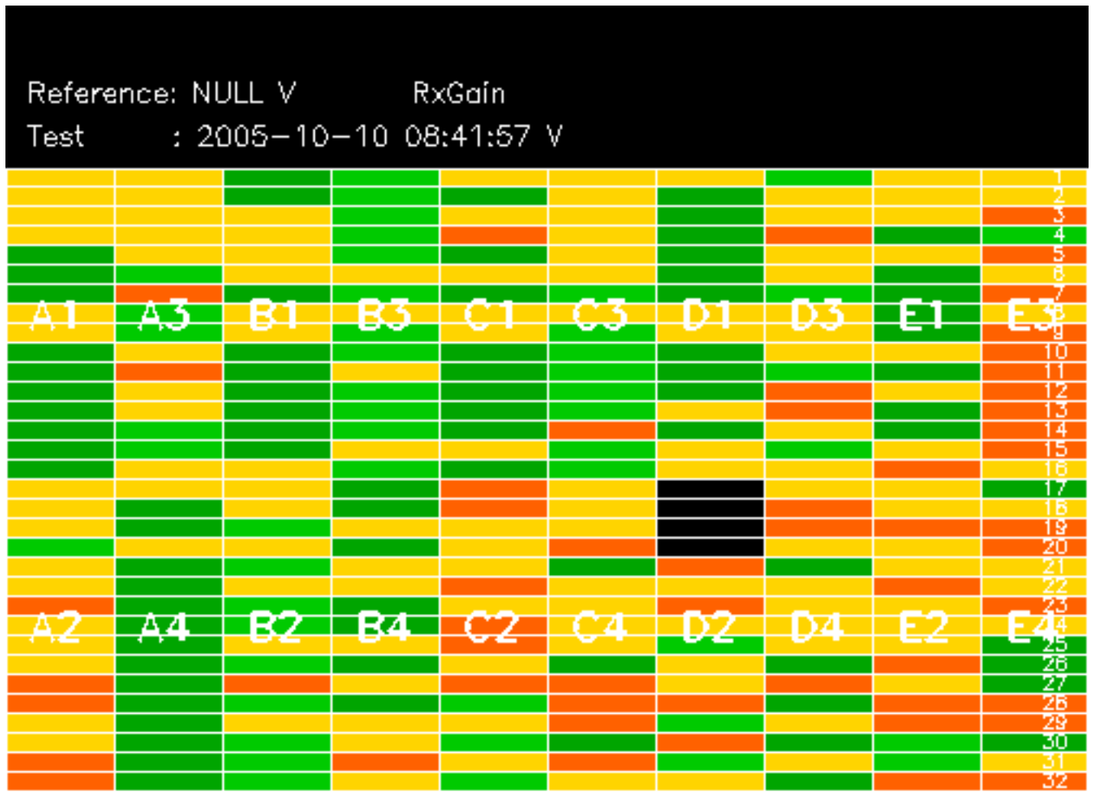
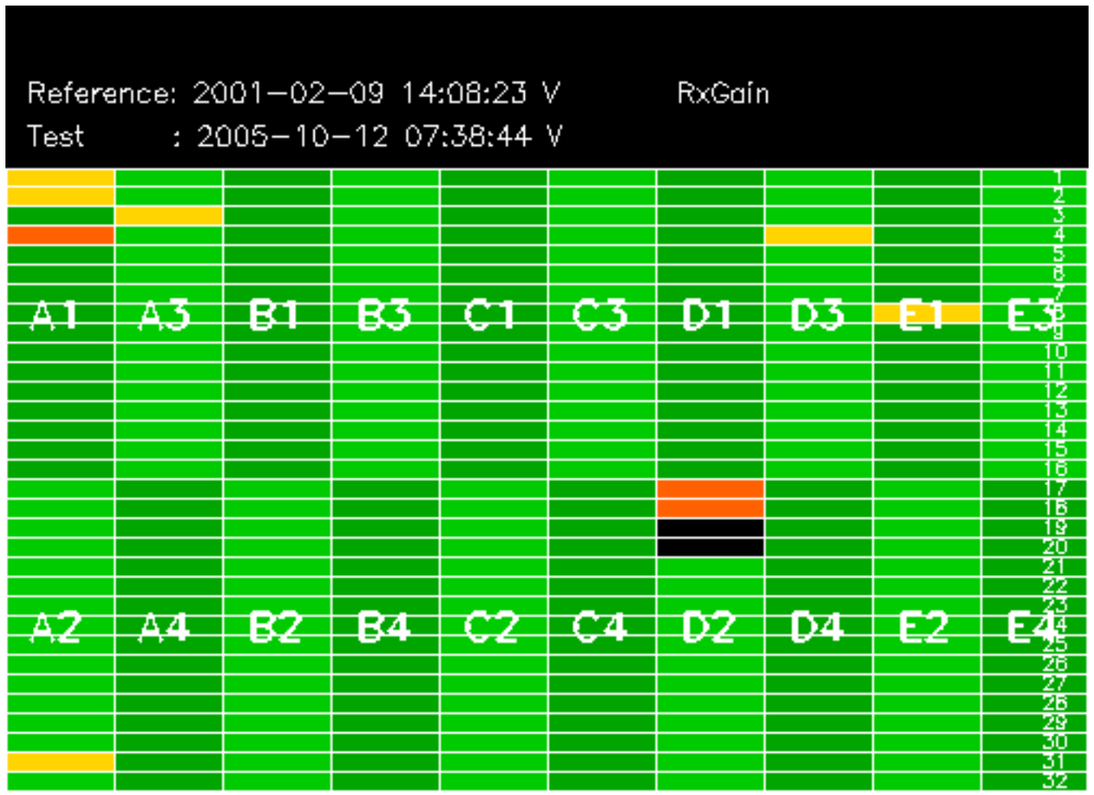

Reference: NULL V RxGain
Test : 2005-10-10 08:41:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-10-12 07:38:44 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
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9
10
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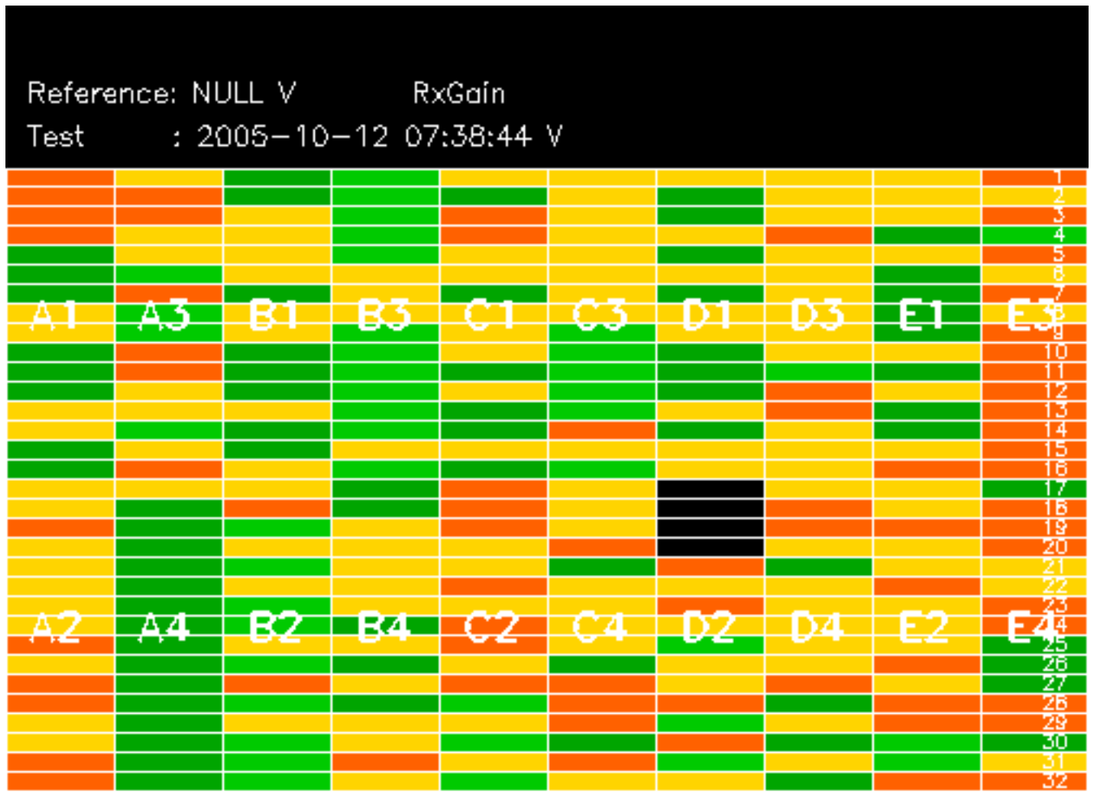
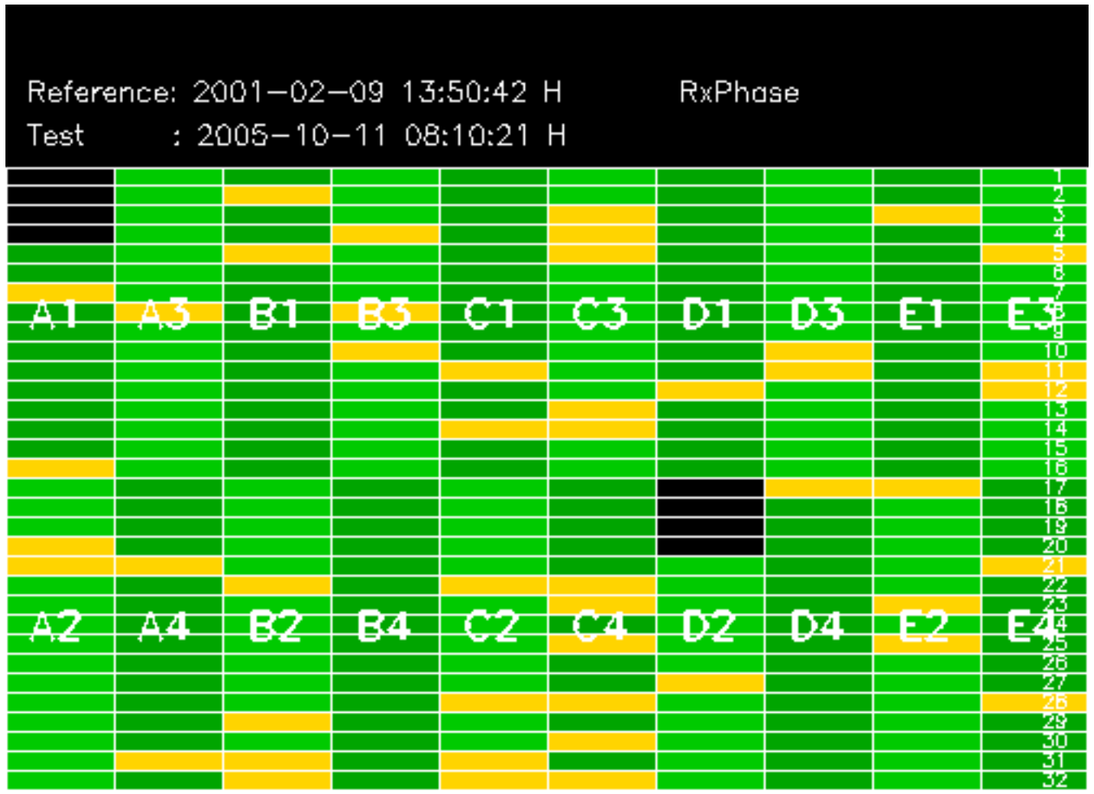
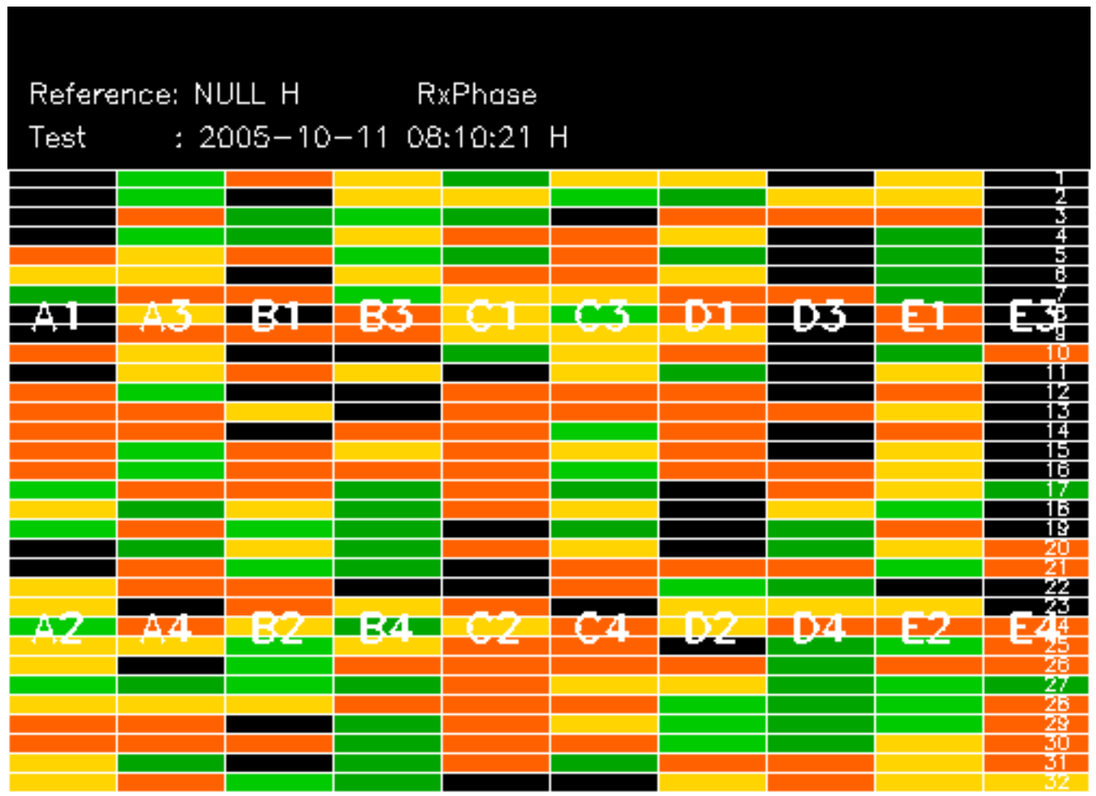
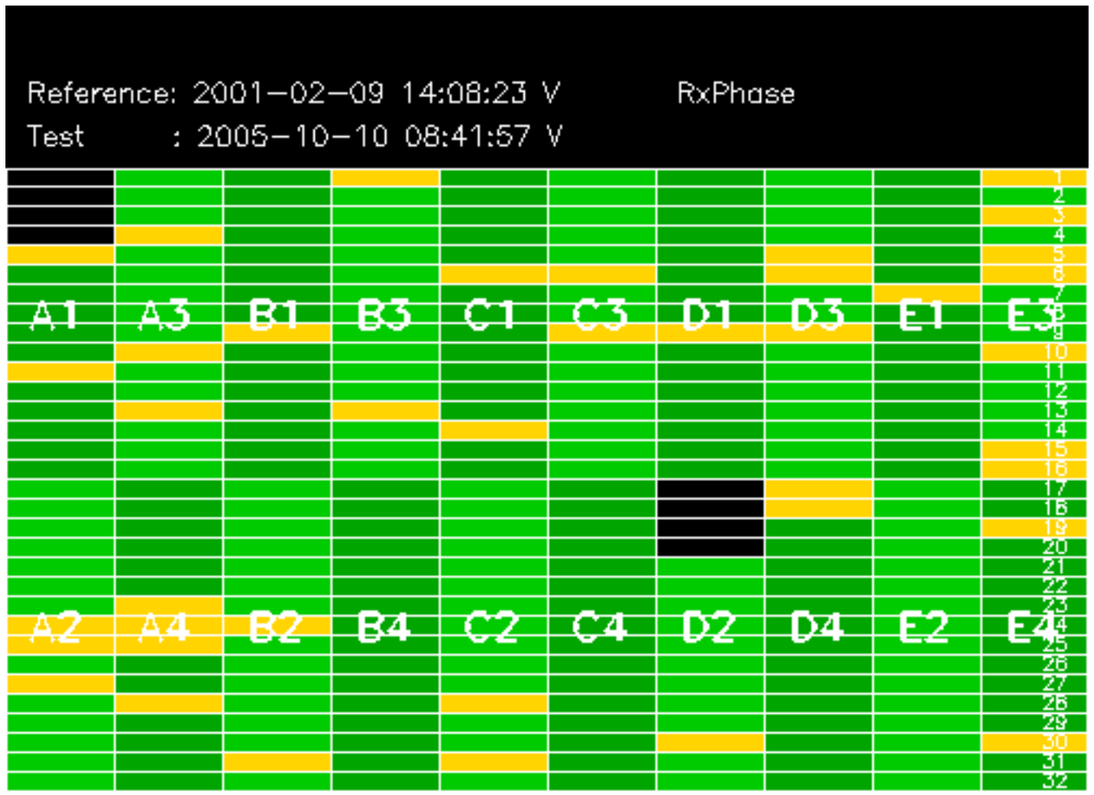
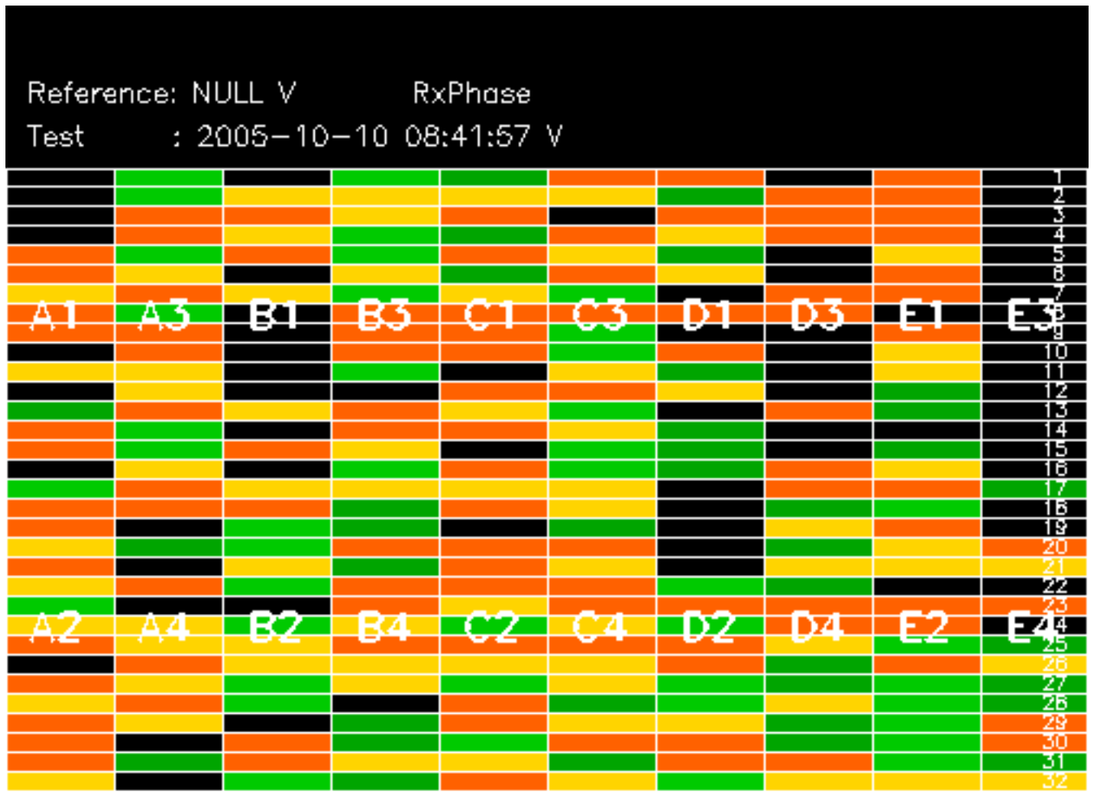
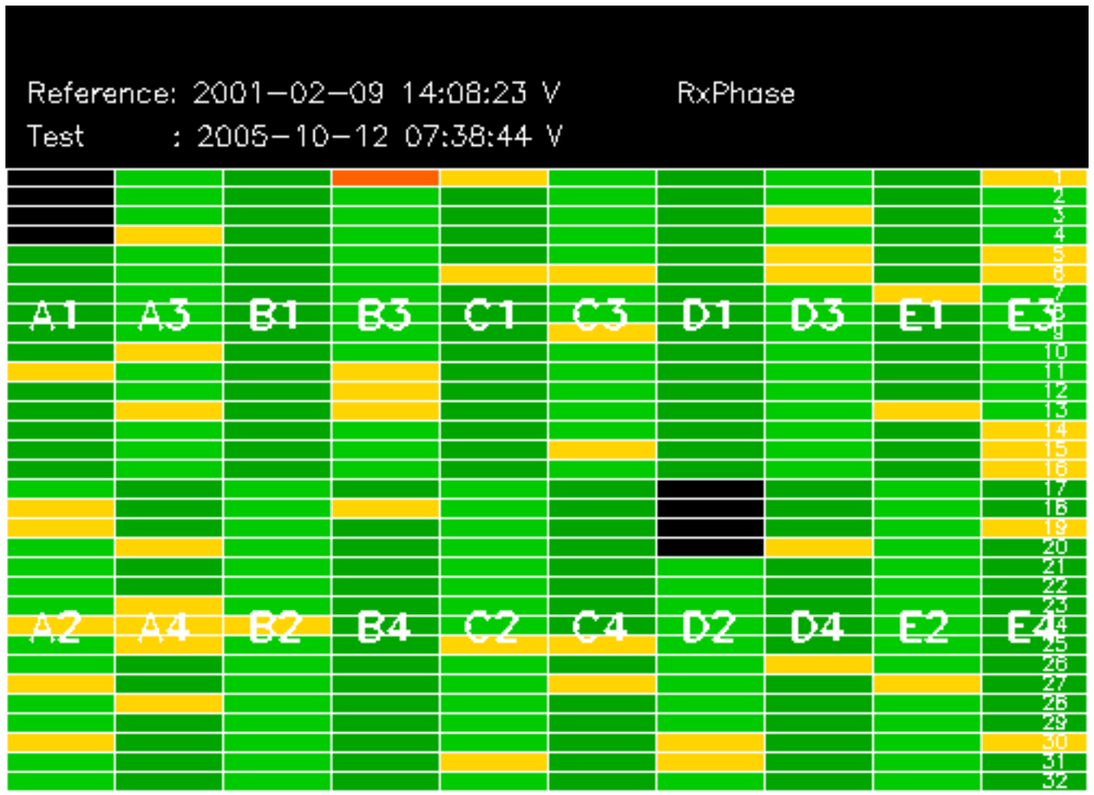

Reference: NULL V RxGain
Test : 2005-10-12 07:38:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-10-11 08:10:21 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 : 2005-10-11 08:10:21 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 : 2005-10-10 08:41:57 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 : 2005-10-10 08:41:57 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 14:08:23 V
Test : 2005-10-12 07:38:44 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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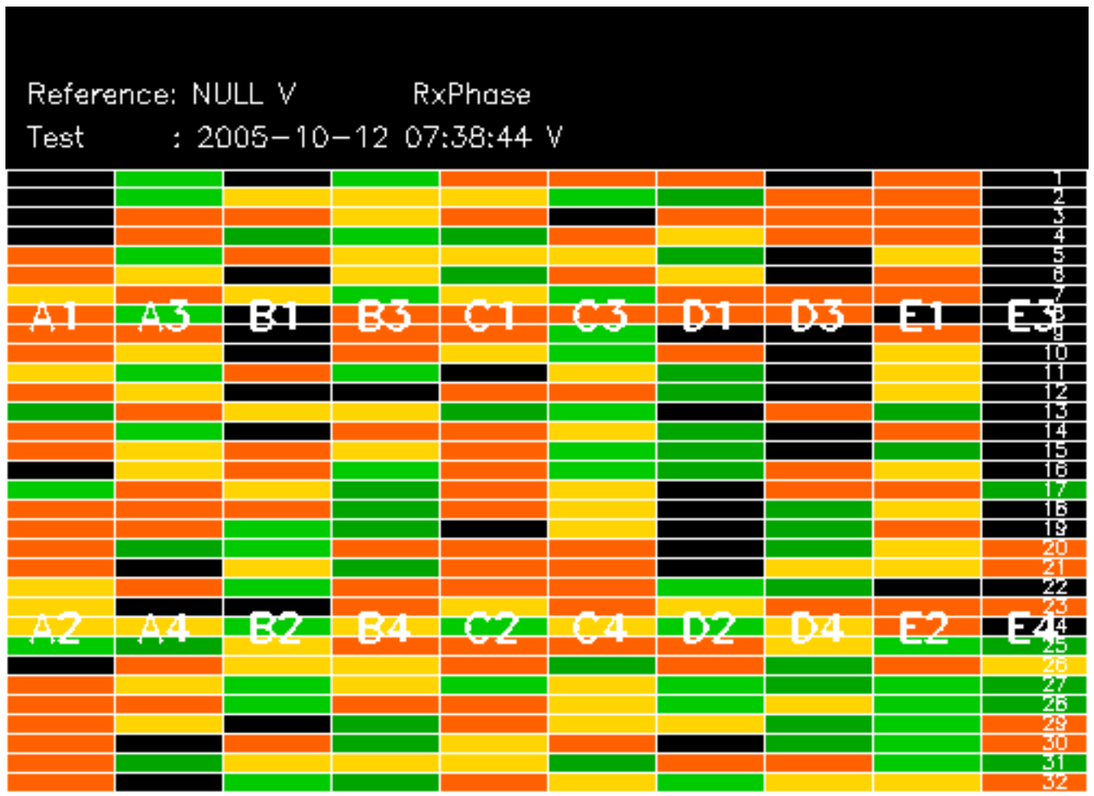
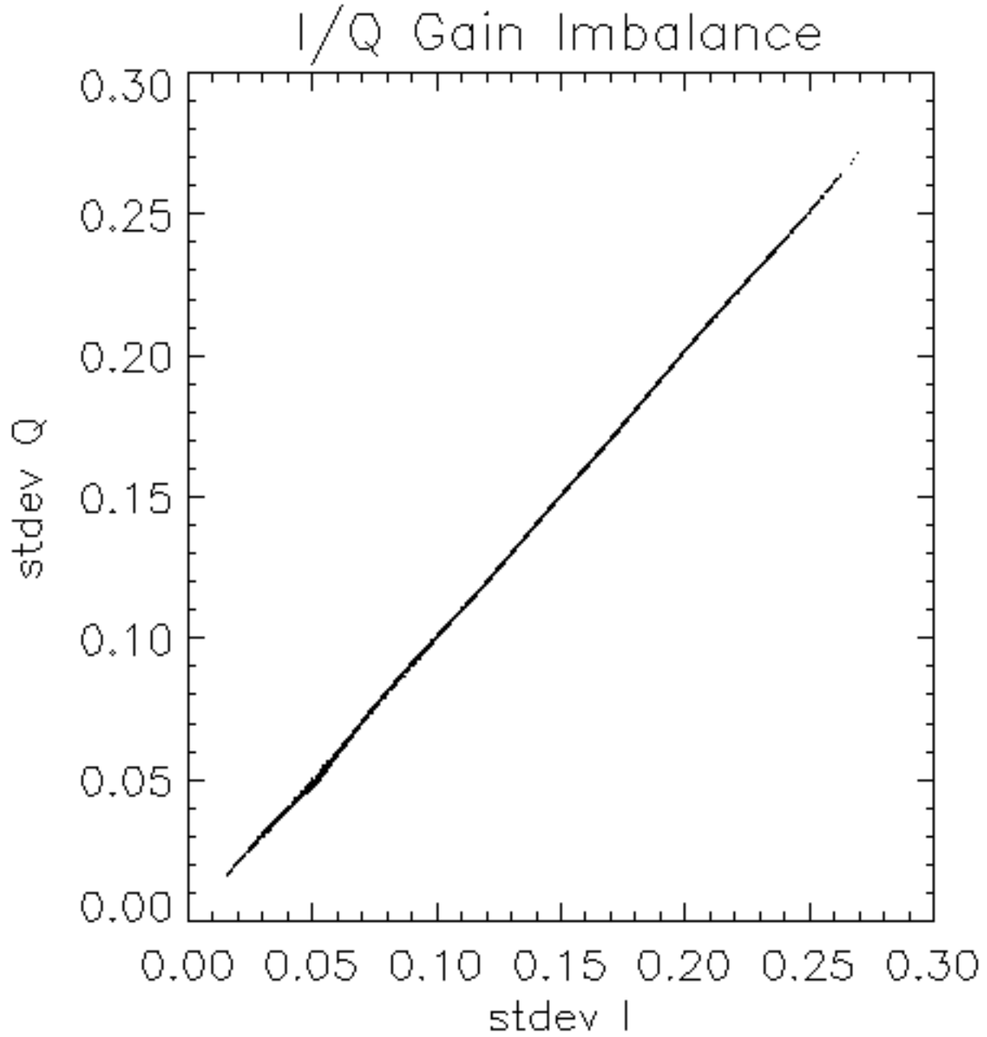
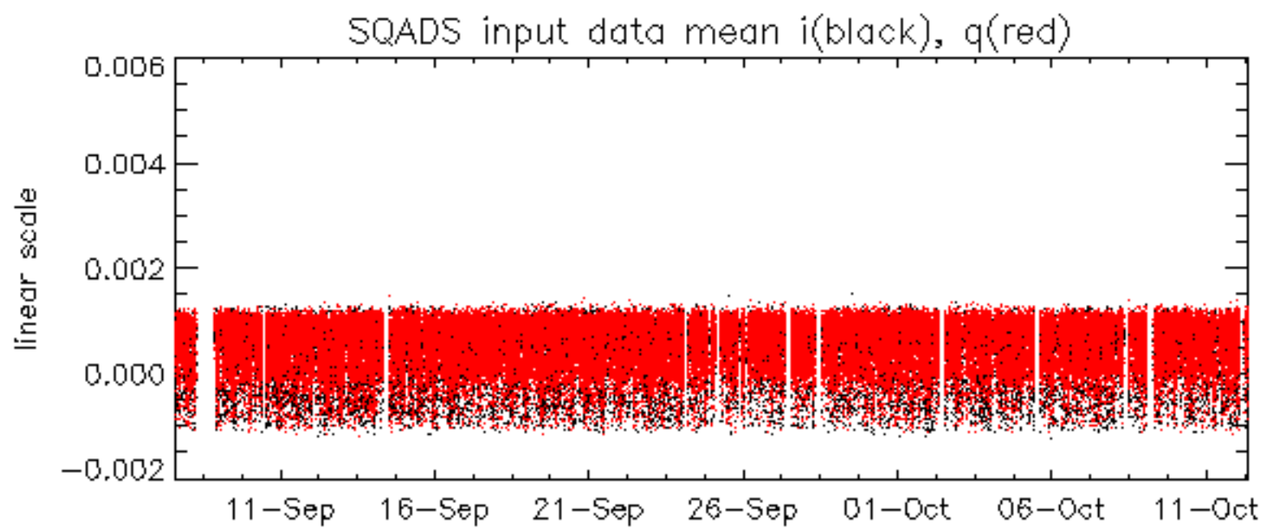
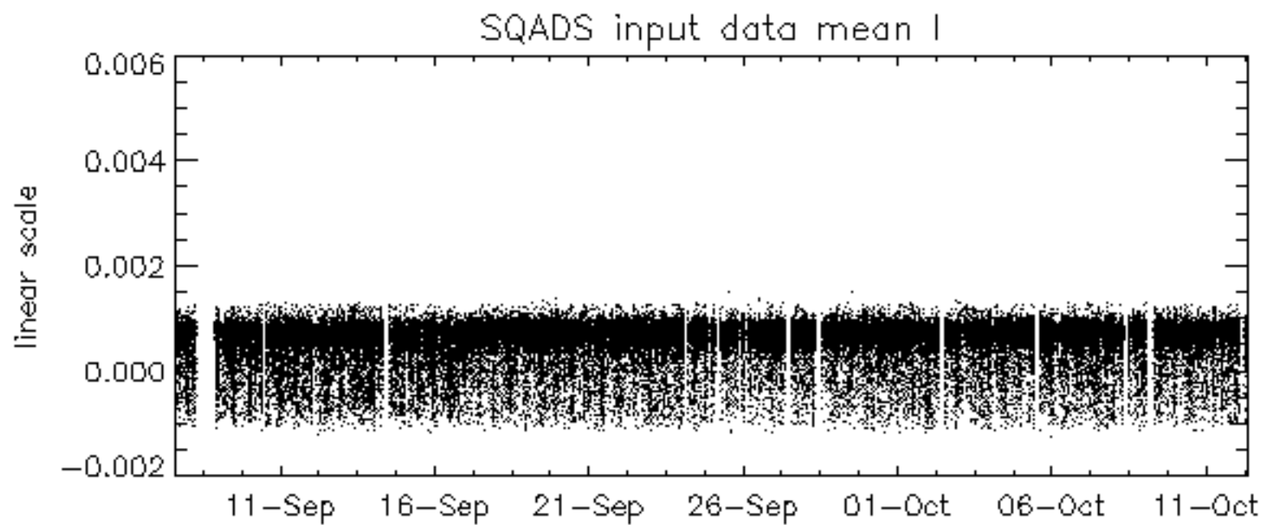
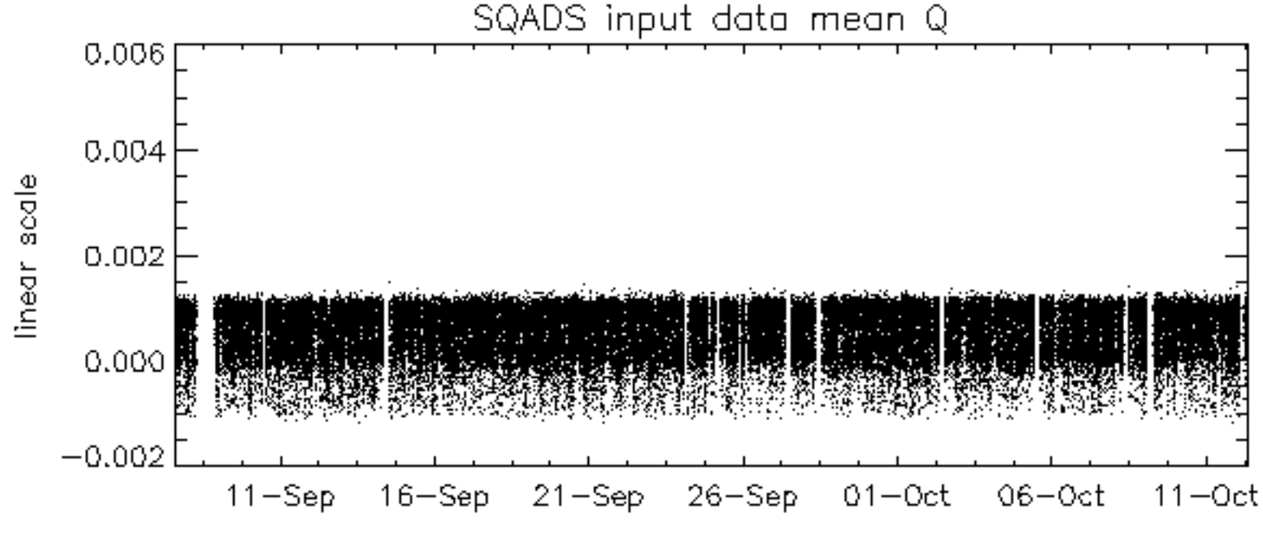
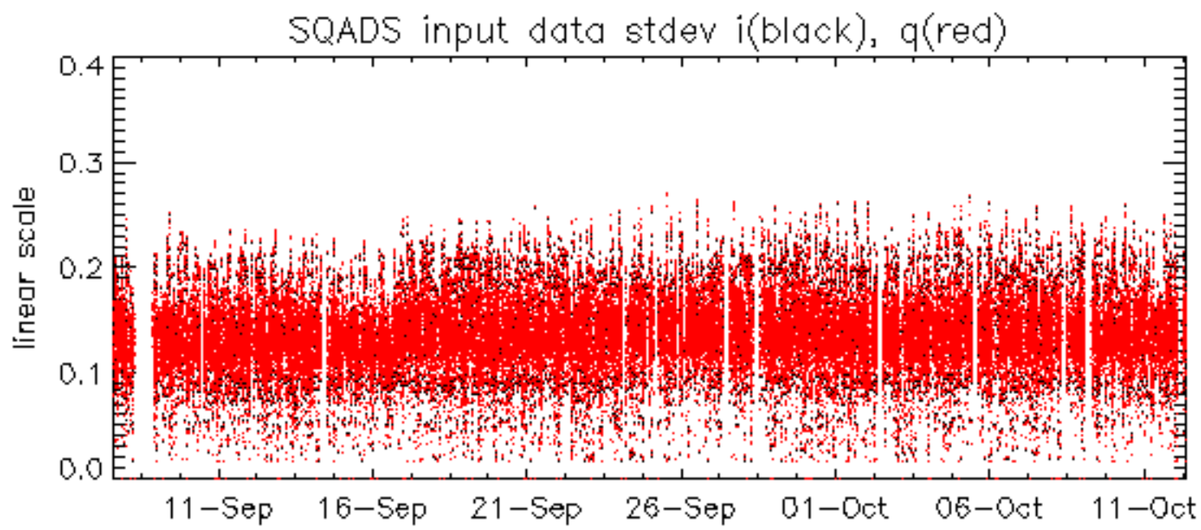

Reference: NULL V RxPhase
Test : 2005-10-12 07:38:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

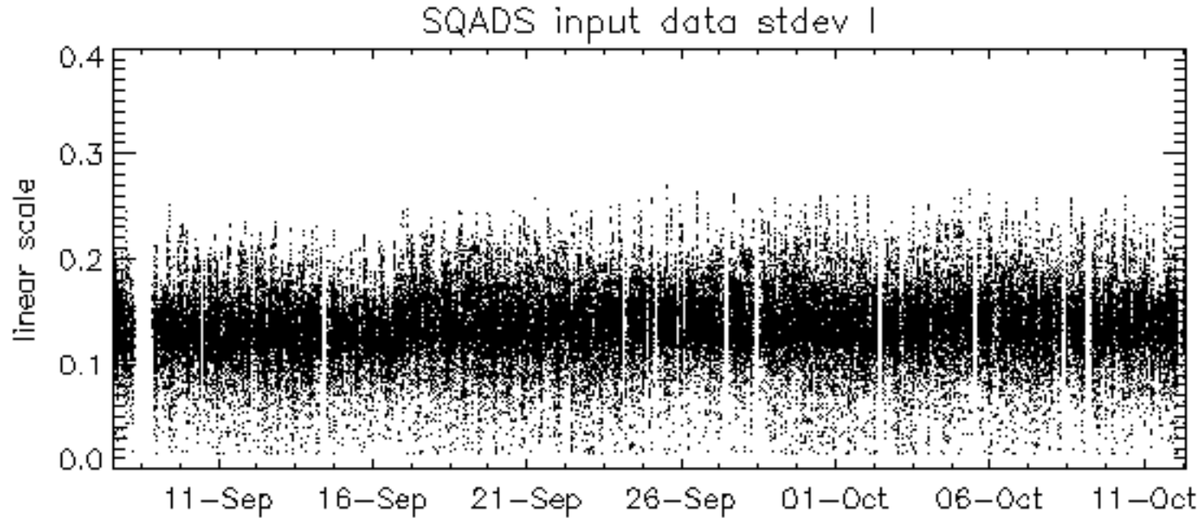

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

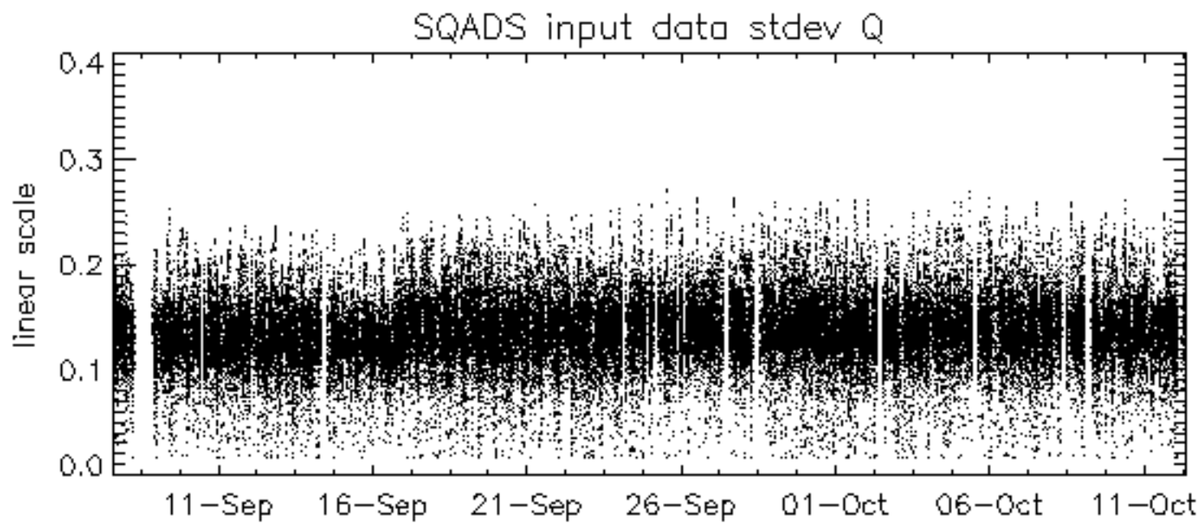

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct

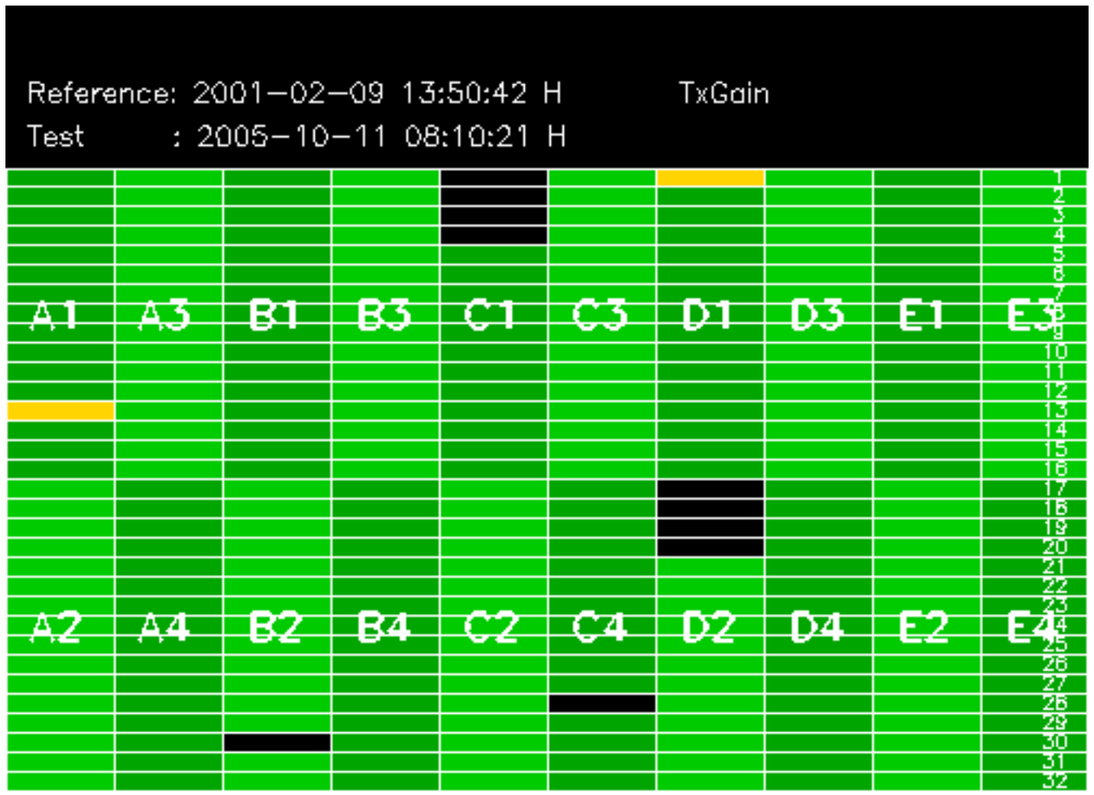

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
11−Sep
16−Sep
21−Sep
26−Sep
01−Oct
06−Oct
11−Oct


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2005-10-11 08:10:21 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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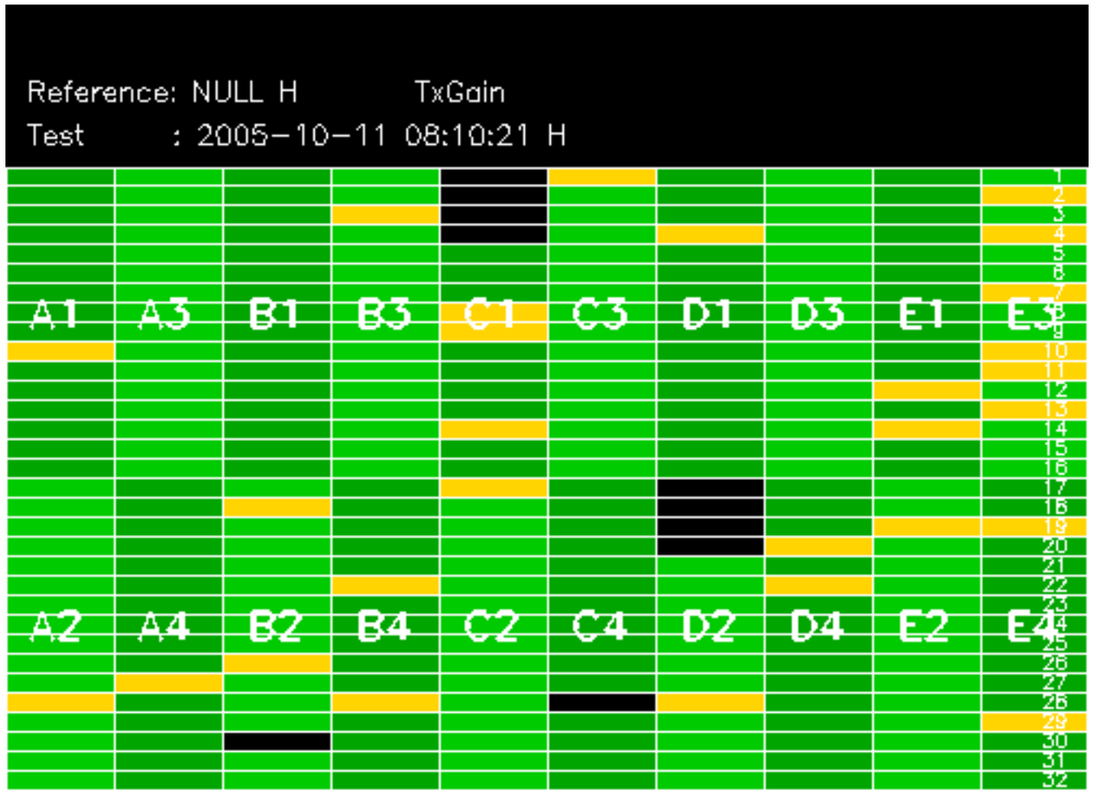
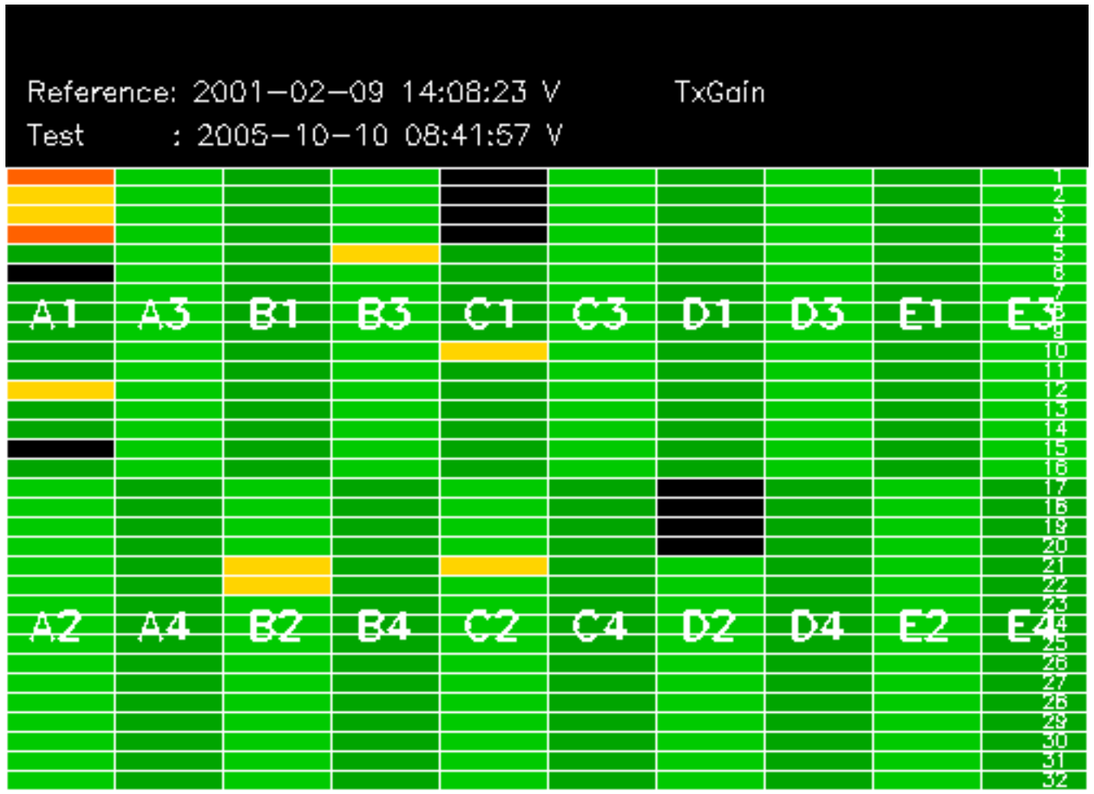

Reference: NULL H TxGain
Test : 2005-10-11 08:10:21 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-10-10 08:41:57 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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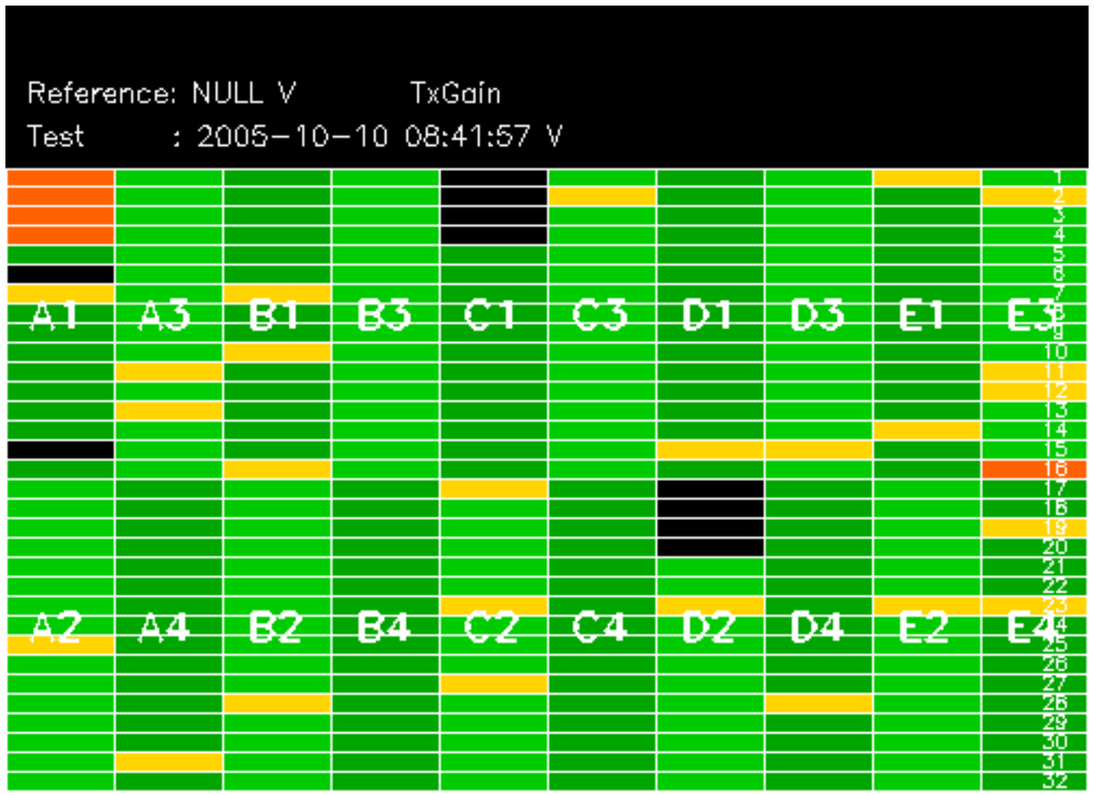
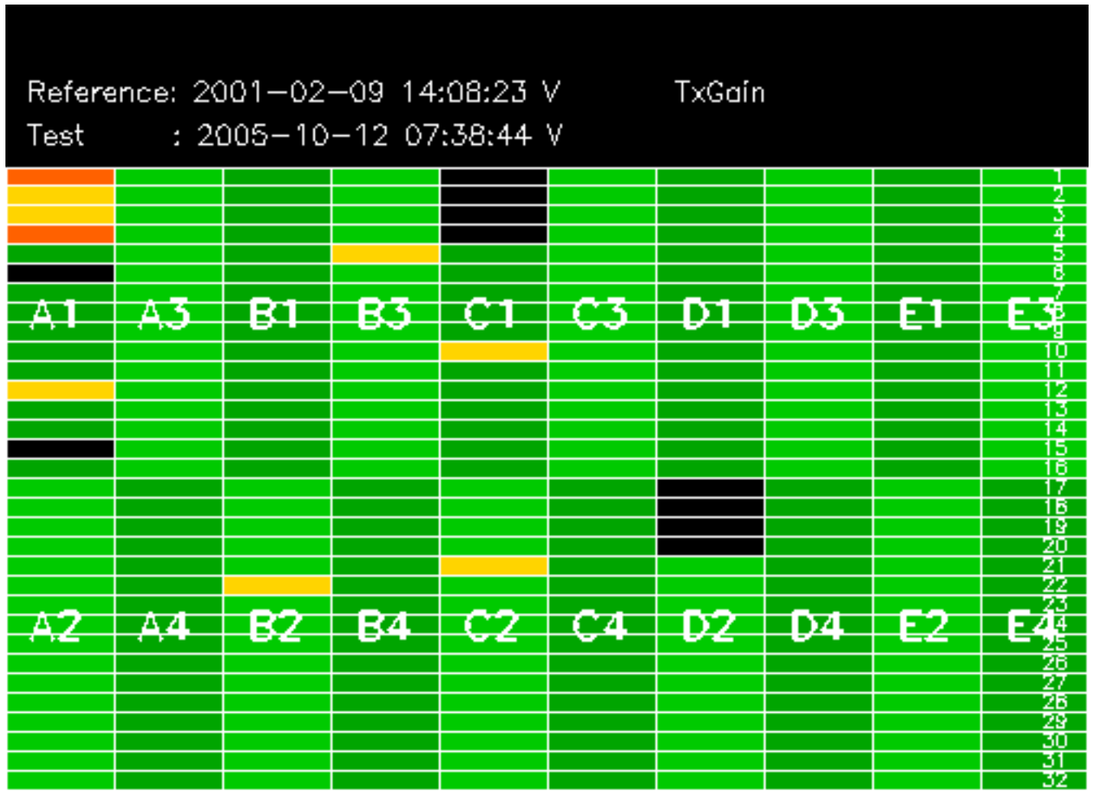

Reference: NULL V TxGain
Test : 2005-10-10 08:41:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-10-12 07:38:44 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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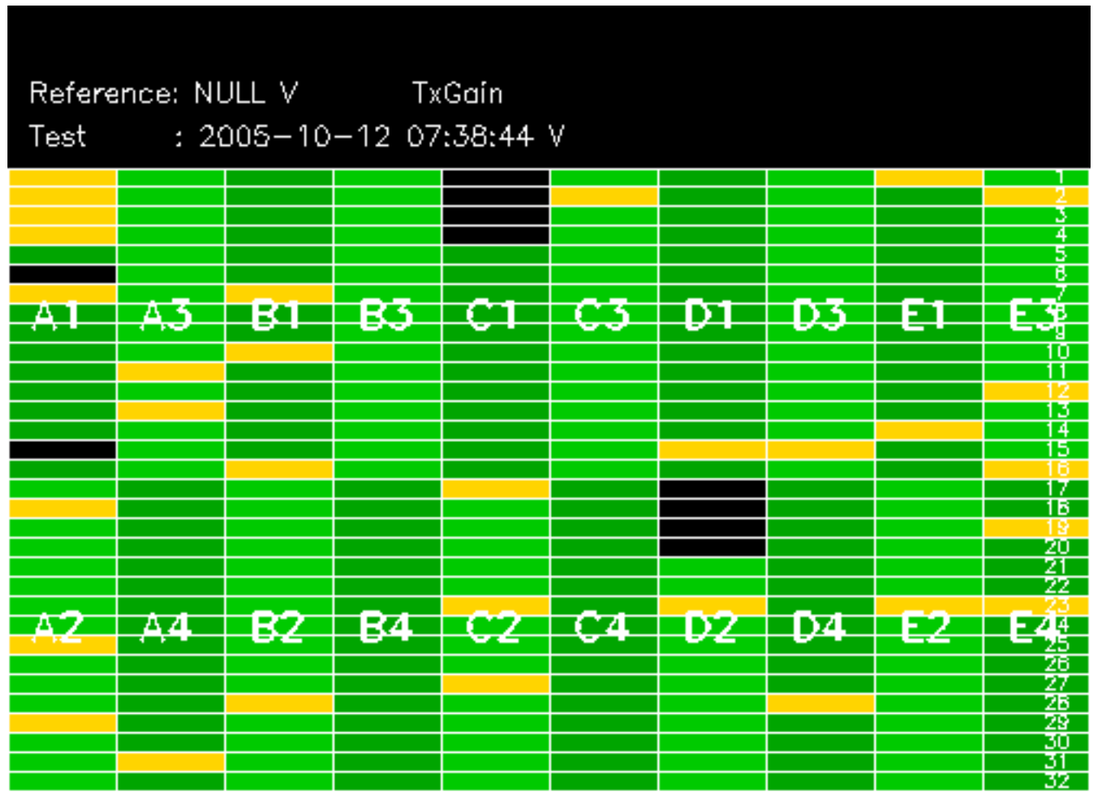
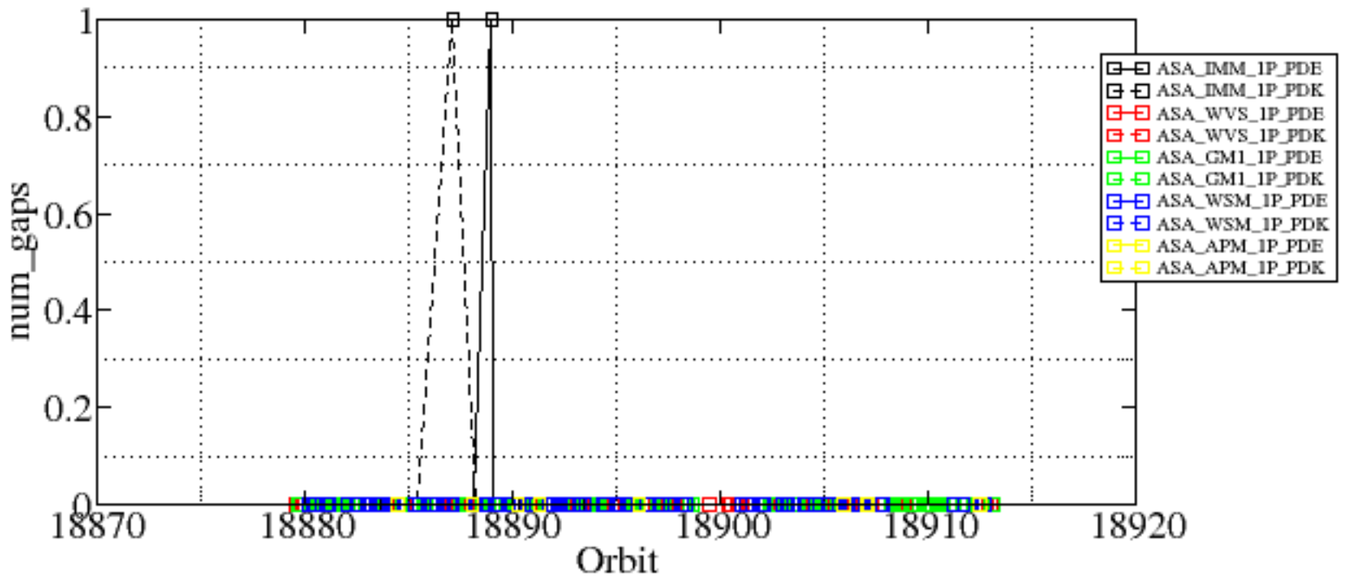
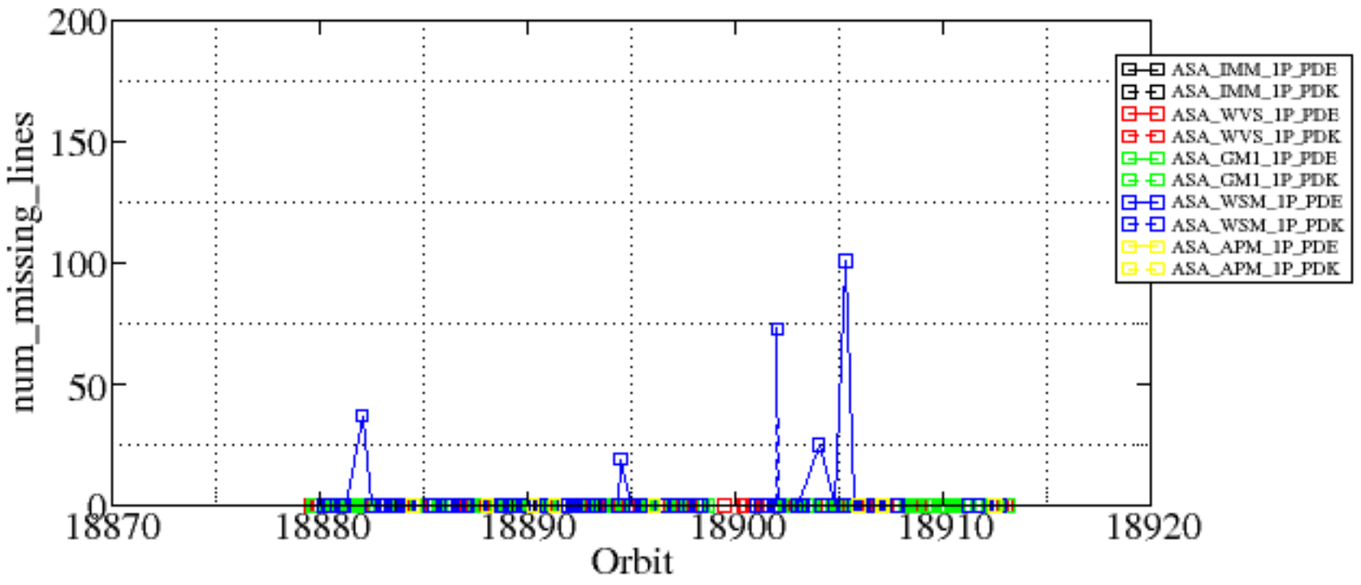
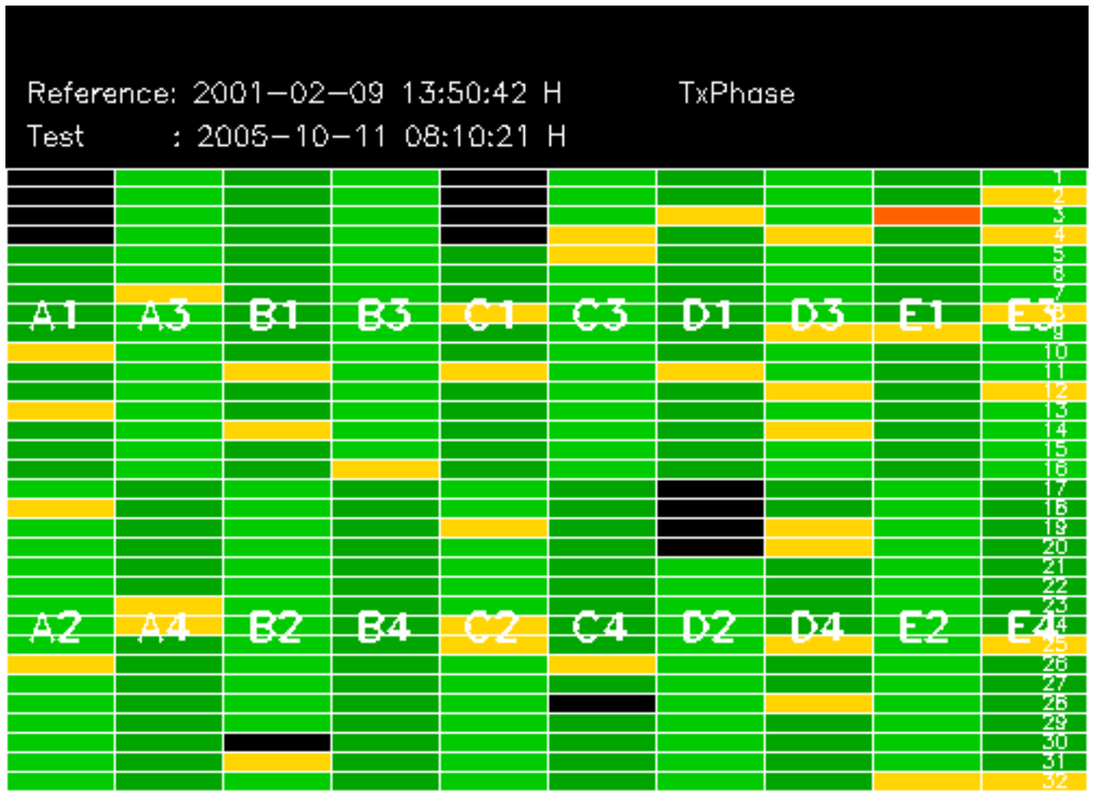

Reference: NULL V TxGain
Test : 2005-10-12 07:38:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

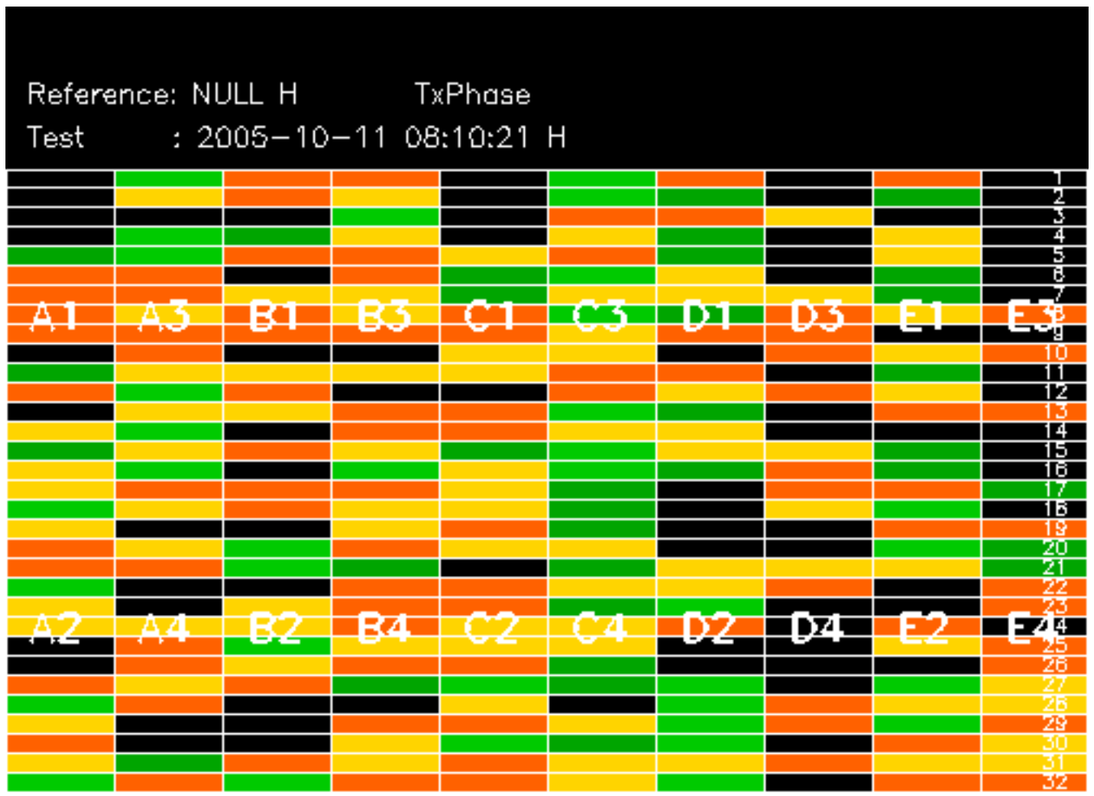
Summary of analysis for the last 3 days 2005101[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20051010_155732_000002332041_00298_18889_8044.N1	1	0
ASA_IMM_1PNPDK20051010_124847_000000882041_00296_18887_5483.N1	1	0
ASA_WSM_1PNPDE20051010_041813_000001592041_00291_18882_3248.N1	0	37
ASA_WSM_1PNPDE20051011_010913_000003062041_00303_18894_3388.N1	0	19
ASA_WSM_1PNPDE20051011_170741_000002392041_00313_18904_3469.N1	0	25
ASA_WSM_1PNPDE20051011_191644_000000672041_00314_18905_3478.N1	0	101
ASA_WSM_1PNPDE20051011_191644_000000672041_00314_18905_3489.N1	0	101
ASA_WSM_1PNPDK20051011_134721_000000922041_00311_18902_6753.N1	0	73


num_gaps
1
0.8
0.6
0.4
0.2
0
18870
18880
18890
18900
18910
18920
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
200
150
100
50
0
18870
18880
18890
18900
18910
18920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2005-10-11 08:10:21 H
TxPhase
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 : 2005-10-11 08:10:21 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
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30
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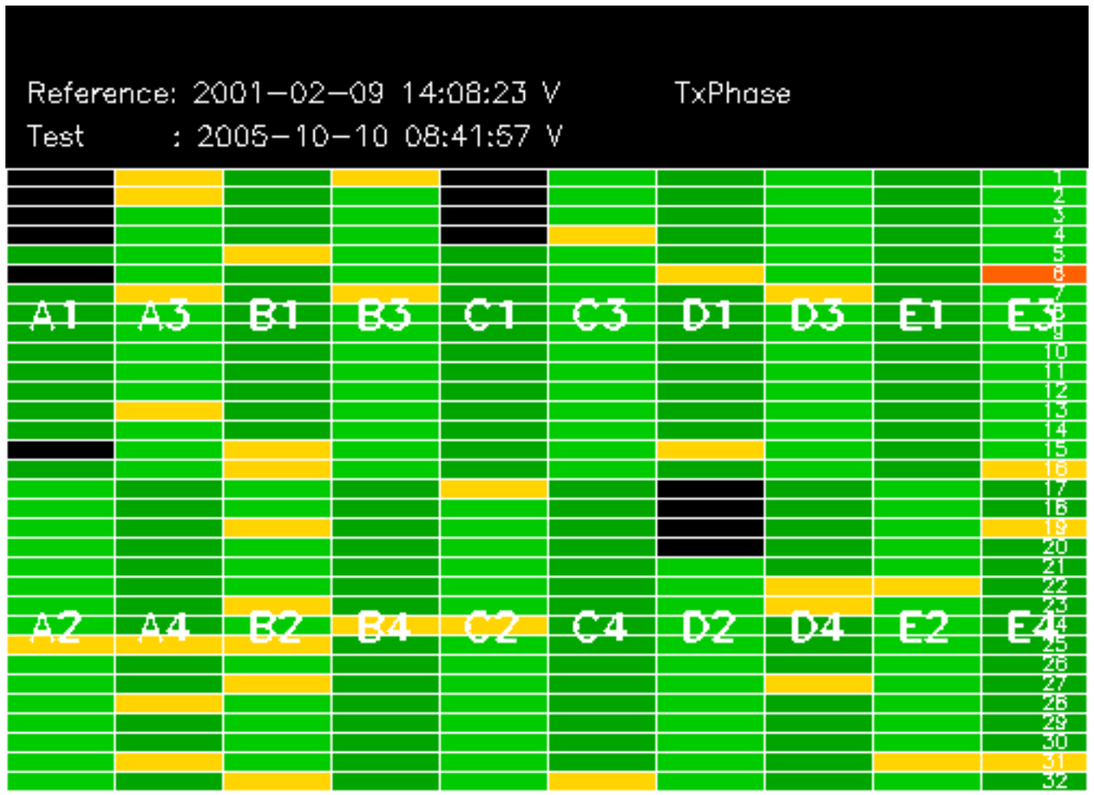
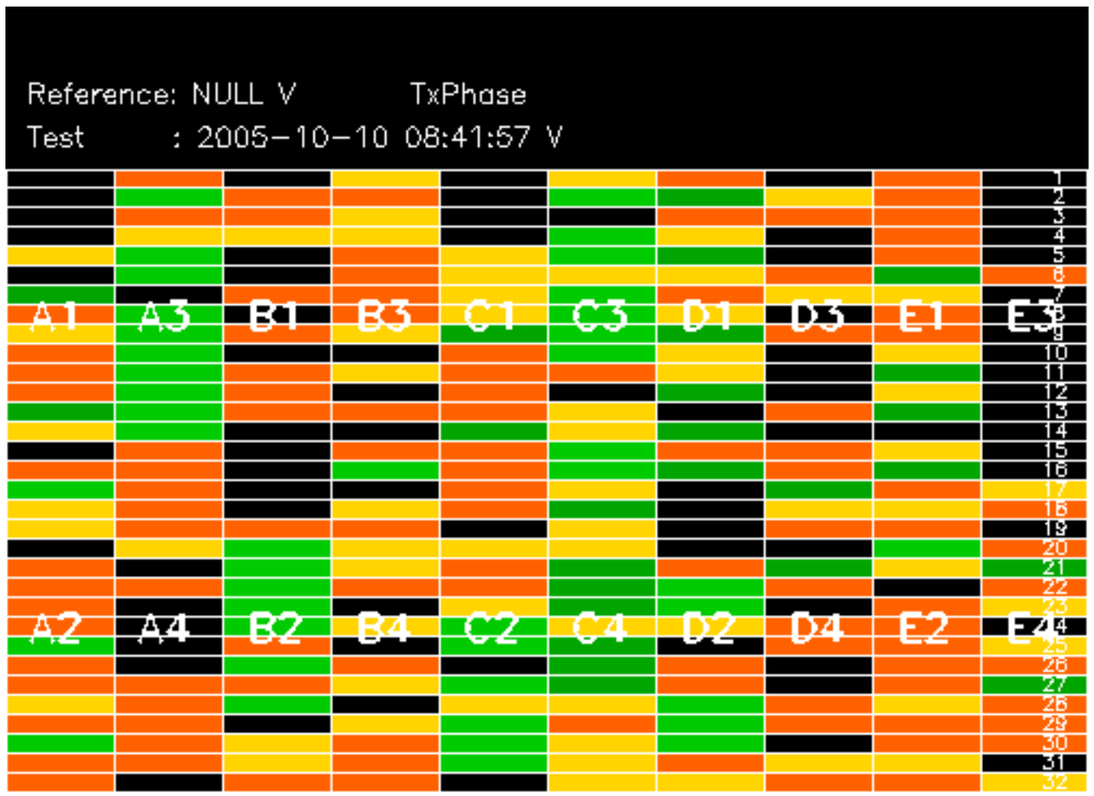
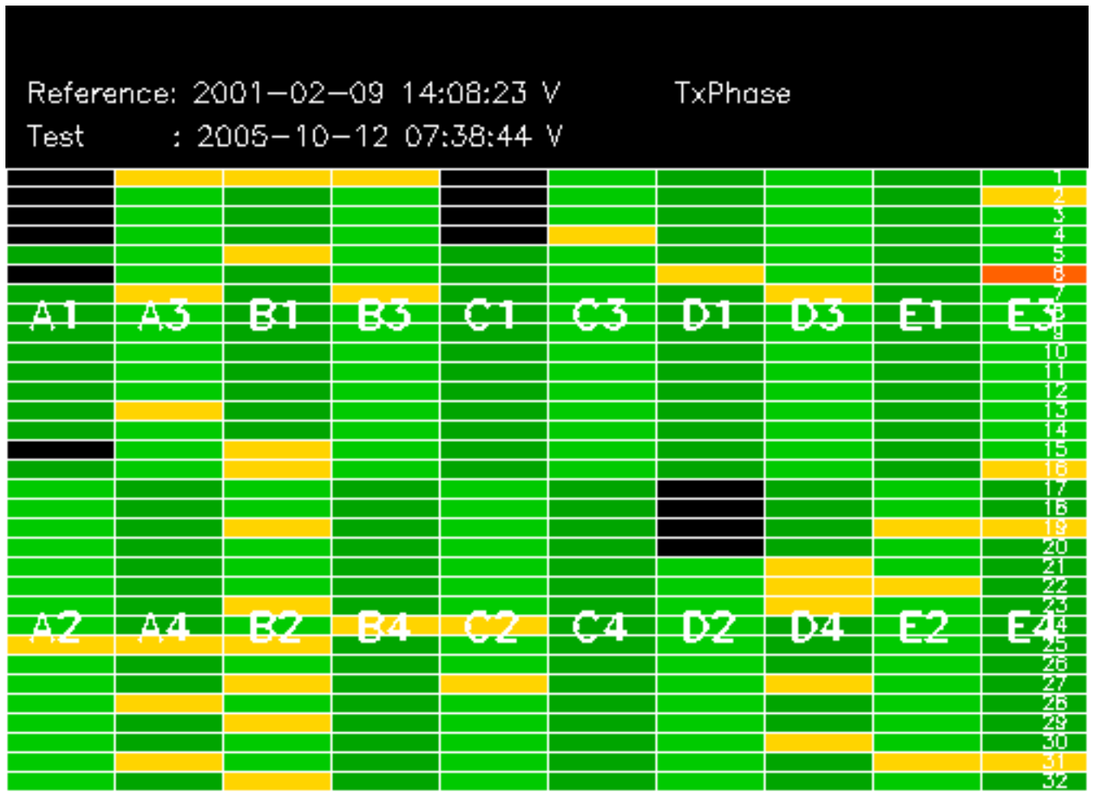
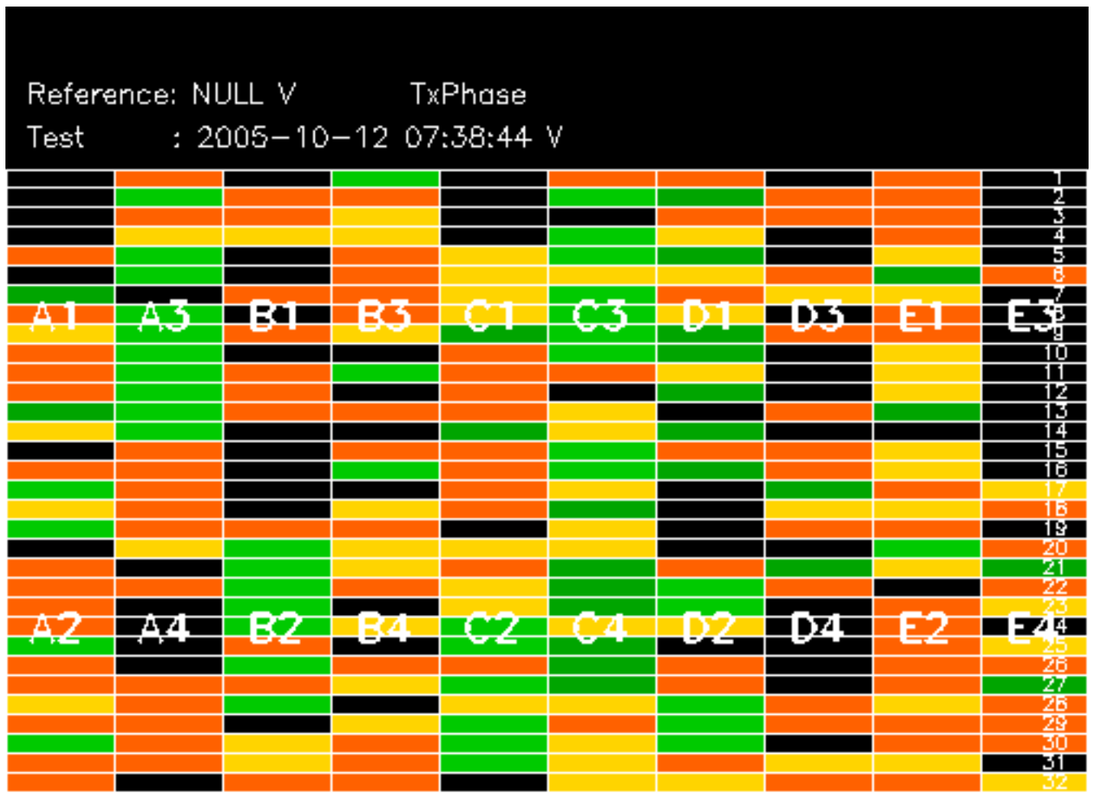
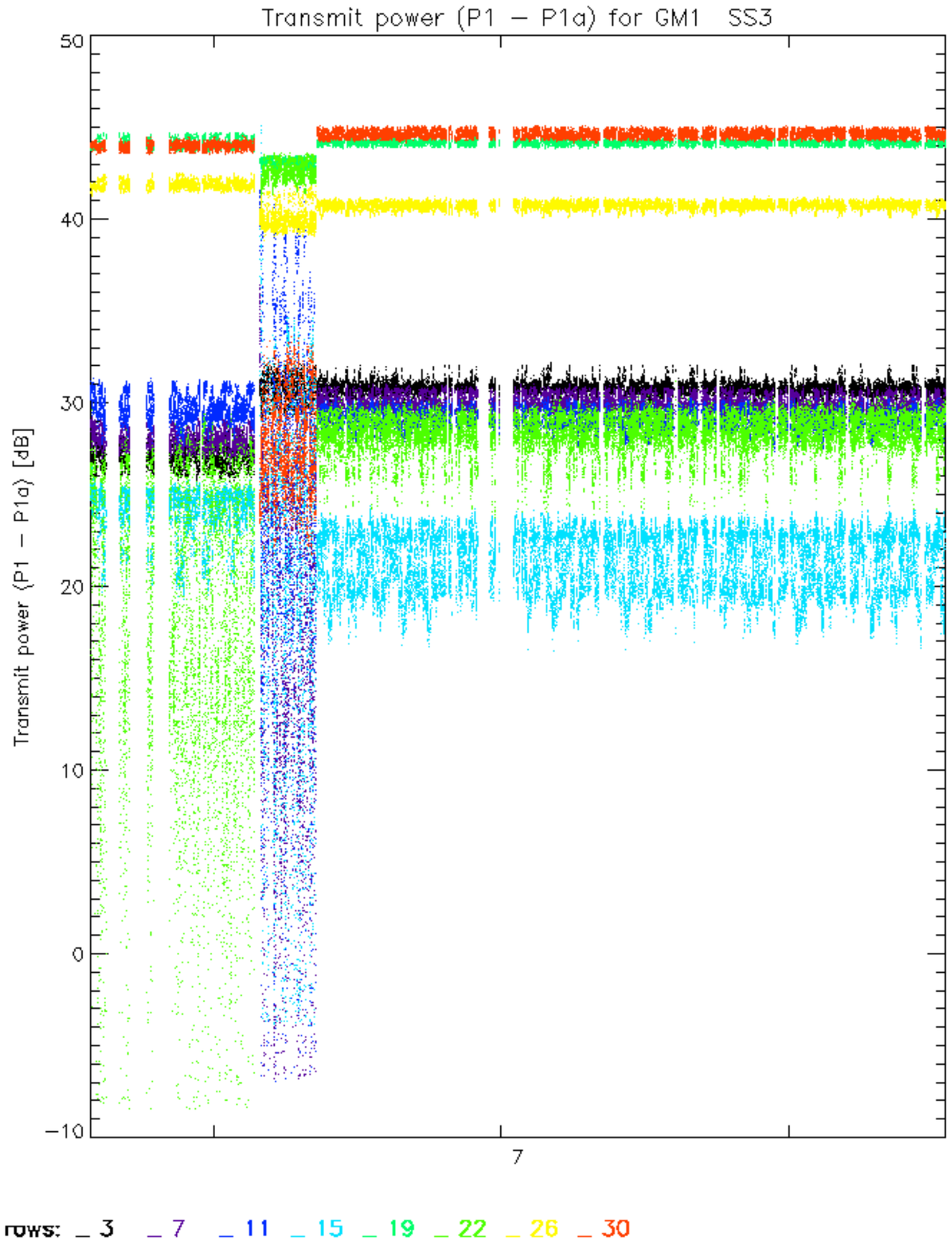
32

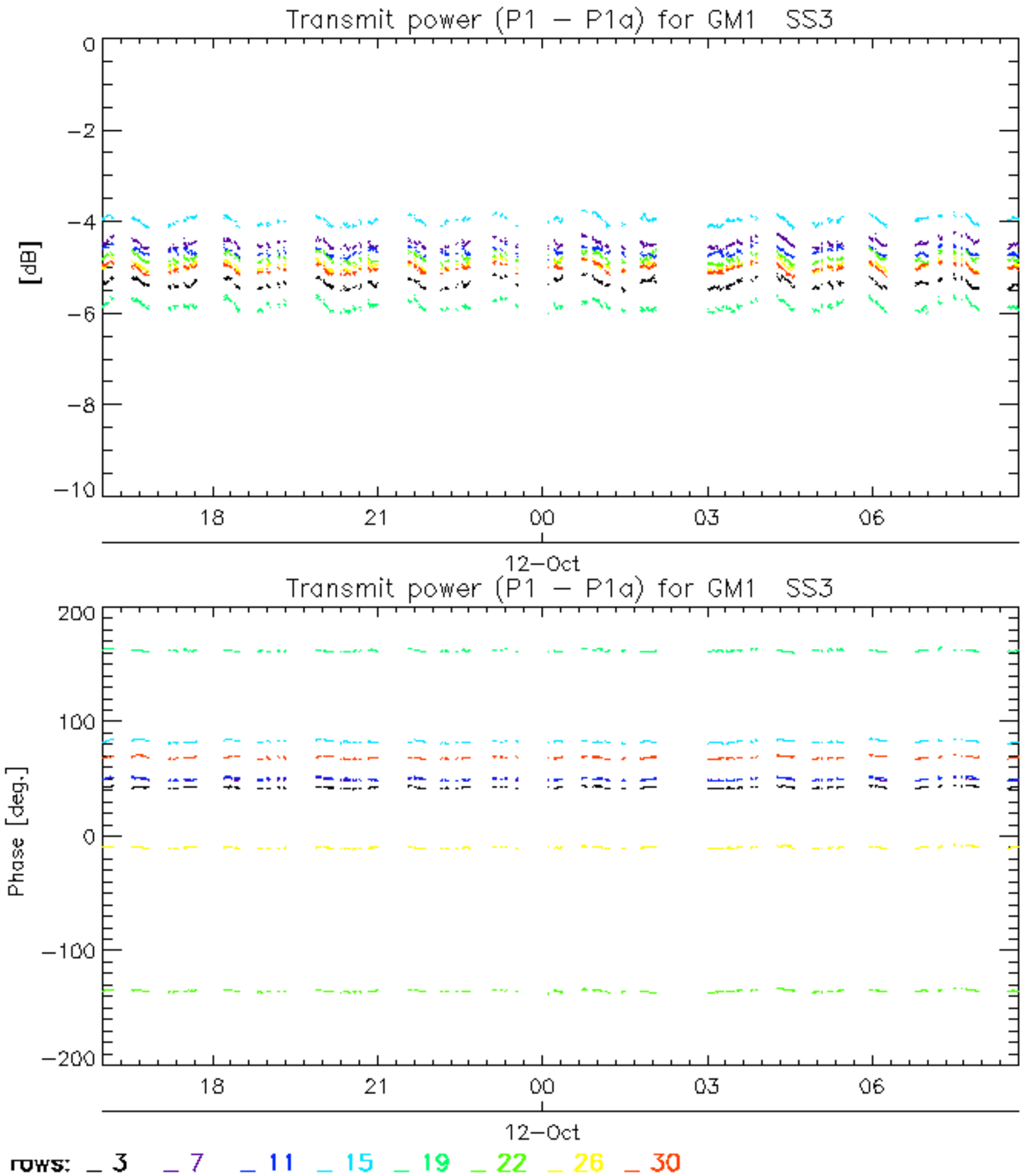

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-10 08:41:57 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

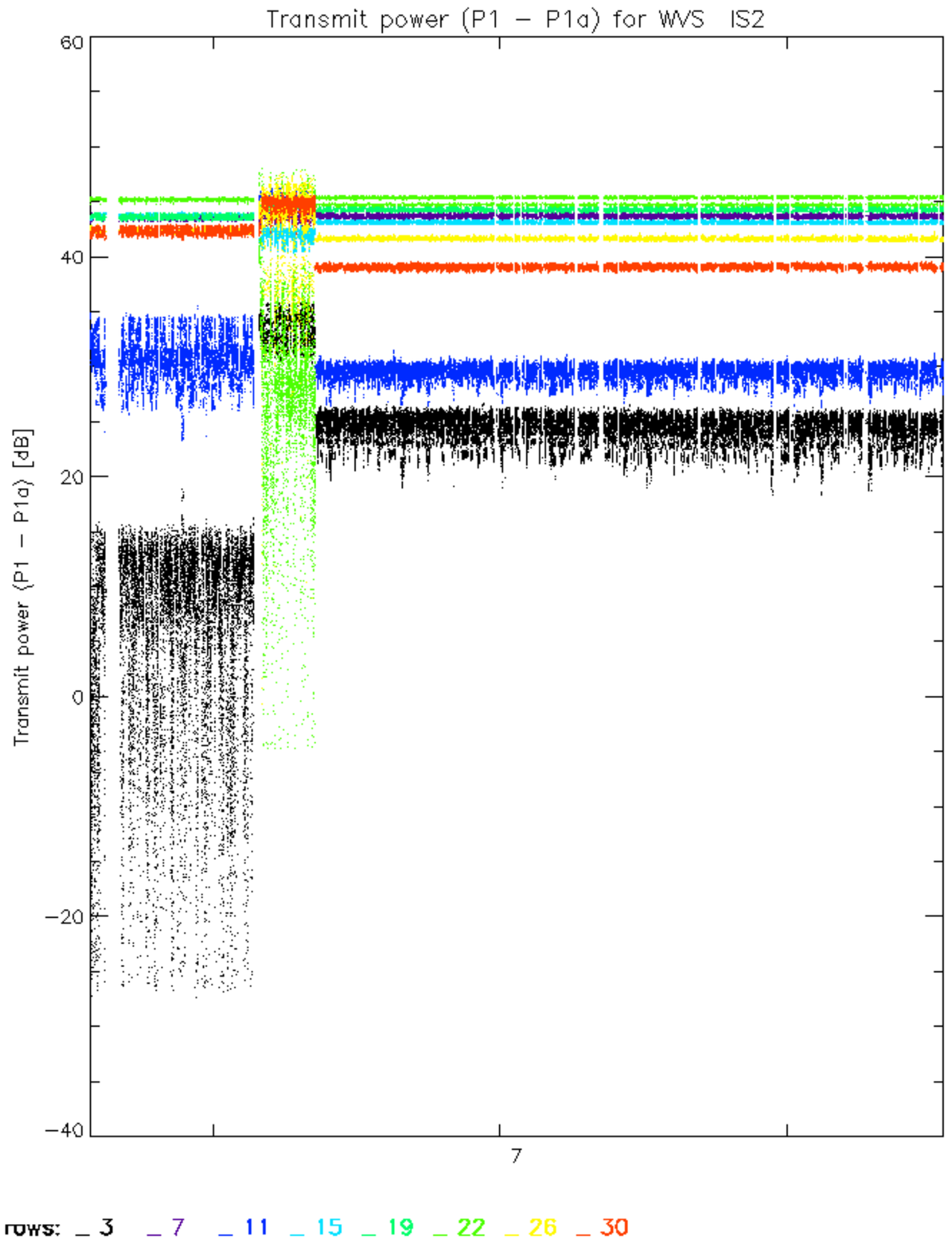

Reference: NULL V TxPhase
Test : 2005-10-10 08:41:57 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

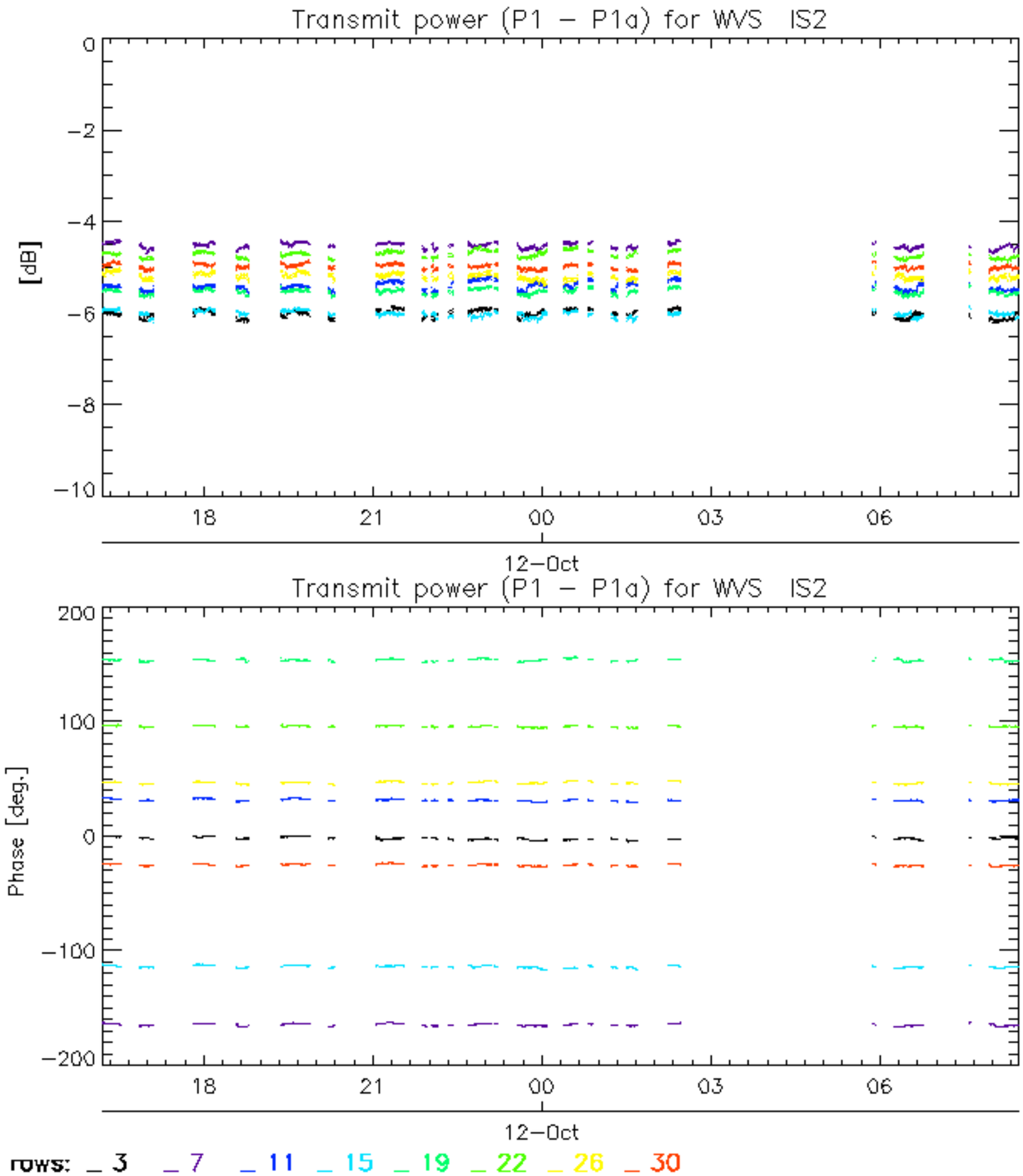

Reference: 2001-02-09 14:08:23 V
Test : 2005-10-12 07:38:44 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: NULL V TxPhase
Test : 2005-10-12 07:38:44 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
12–Oct
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
12–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
7
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
12–Oct
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
12–Oct
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.