PRELIMINARY REPORT OF 060709

last update on Sun Jul 9 16:52:13 GMT 2006

1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2006-07-08 00:00:00 to 2006-07-09 16:52:13

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	43	72	8	8	0
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	43	72	8	8	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	43	72	8	8	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	72	8	8	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	27	57	23	21	78
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	27	57	23	21	78
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	27	57	23	21	78
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	27	57	23	21	78

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	20060708 064407
H	20060709 061230

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	-3.939408	0.046245	-0.008002
7	P1	-3.128096	0.012126	0.065558
11	P1	-4.098663	0.015684	0.032536
15	P1	-6.167048	0.011550	-0.024491
19	P1	-3.375578	0.008864	-0.036552
22	P1	-4.533073	0.010898	-0.032118
26	P1	-3.953526	0.018415	0.053997
30	P1	-5.760639	0.008361	-0.012429
3	P1	-16.537743	0.625371	-0.016711
7	P1	-17.230110	0.108585	0.106155
11	P1	-16.984667	0.279270	-0.009742
15	P1	-13.162308	0.159464	0.075607
19	P1	-14.396924	0.049016	-0.095319
22	P1	-16.105291	0.393161	0.218914
26	P1	-15.165793	0.231455	0.074880
30	P1	-17.132280	0.384862	0.118147

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.066538	0.086738	0.170014
7	P2	-21.971642	0.103018	0.114527
11	P2	-15.824862	0.116965	0.066433
15	P2	-7.150661	0.099364	0.041000
19	P2	-9.158218	0.090493	0.063082
22	P2	-18.167149	0.085752	0.033609
26	P2	-16.410767	0.091923	0.030708
30	P2	-19.547827	0.091465	0.037057

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.184328	0.003433	0.020606
7	P3	-8.184328	0.003433	0.020606
11	P3	-8.184328	0.003433	0.020606
15	P3	-8.184328	0.003433	0.020606
19	P3	-8.184328	0.003433	0.020606
22	P3	-8.184328	0.003433	0.020606
26	P3	-8.184328	0.003433	0.020606
30	P3	-8.184328	0.003433	0.020606

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	-3.809581	0.063887	0.008905
7	P1	-2.572617	0.008323	0.031352
11	P1	-2.858691	0.013786	-0.002761
15	P1	-3.540675	0.028197	-0.069842
19	P1	-3.416060	0.014014	0.002450
22	P1	-5.088033	0.020074	-0.018741
26	P1	-5.861197	0.016074	0.006045
30	P1	-5.194390	0.025941	0.006560
3	P1	-11.618903	0.171157	0.068233
7	P1	-9.981814	0.033132	0.021499
11	P1	-10.241947	0.058873	-0.000261
15	P1	-10.716583	0.135591	-0.126592
19	P1	-15.537567	0.075916	0.040422
22	P1	-20.948214	1.180438	0.065240
26	P1	-16.408915	0.353066	0.179602
30	P1	-17.873190	0.386324	-0.008197

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.727571	0.074743	0.202056
7	P2	-22.450005	0.132145	0.082141
11	P2	-11.099165	0.046785	0.105466
15	P2	-4.923675	0.048438	0.014075
19	P2	-6.882907	0.050660	0.011471
22	P2	-8.206882	0.041783	0.022010
26	P2	-24.176640	0.068068	-0.040347
30	P2	-22.041862	0.054765	0.064117

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.021017	0.004190	0.015155
7	P3	-8.021132	0.004182	0.015344
11	P3	-8.021081	0.004203	0.015410
15	P3	-8.020967	0.004196	0.015389
19	P3	-8.020992	0.004199	0.015127
22	P3	-8.021122	0.004183	0.015542
26	P3	-8.021194	0.004191	0.015401
30	P3	-8.021063	0.004168	0.015614

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	0.000571709
	stdev	1.63797e-07
MEAN Q	mean	0.000537294
	stdev	2.13979e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.138420
	stdev	0.00112335
STDEV Q	mean	0.138785
	stdev	0.00114145

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006070[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_1PNPDE20060707_201746_000000372049_00157_22756_0467.N1	1	0
ASA_IMM_1PNPDE20060709_004101_000000622049_00174_22773_0517.N1	1	0
ASA_WVS_1PNPDK20060707_070752_000000002049_00149_22748_0265.N1	1	0
ASA_WVS_1PNPDK20060707_070752_000000002049_00149_22748_0293.N1	1	0
ASA_WSM_1PNPDE20060707_161735_000002192049_00155_22754_1810.N1	0	17
ASA_WSM_1PNPDE20060708_112314_000001522049_00166_22765_1970.N1	0	76
ASA_APM_1PNPDE20060707_143629_000000852049_00154_22753_0347.N1	0	10

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

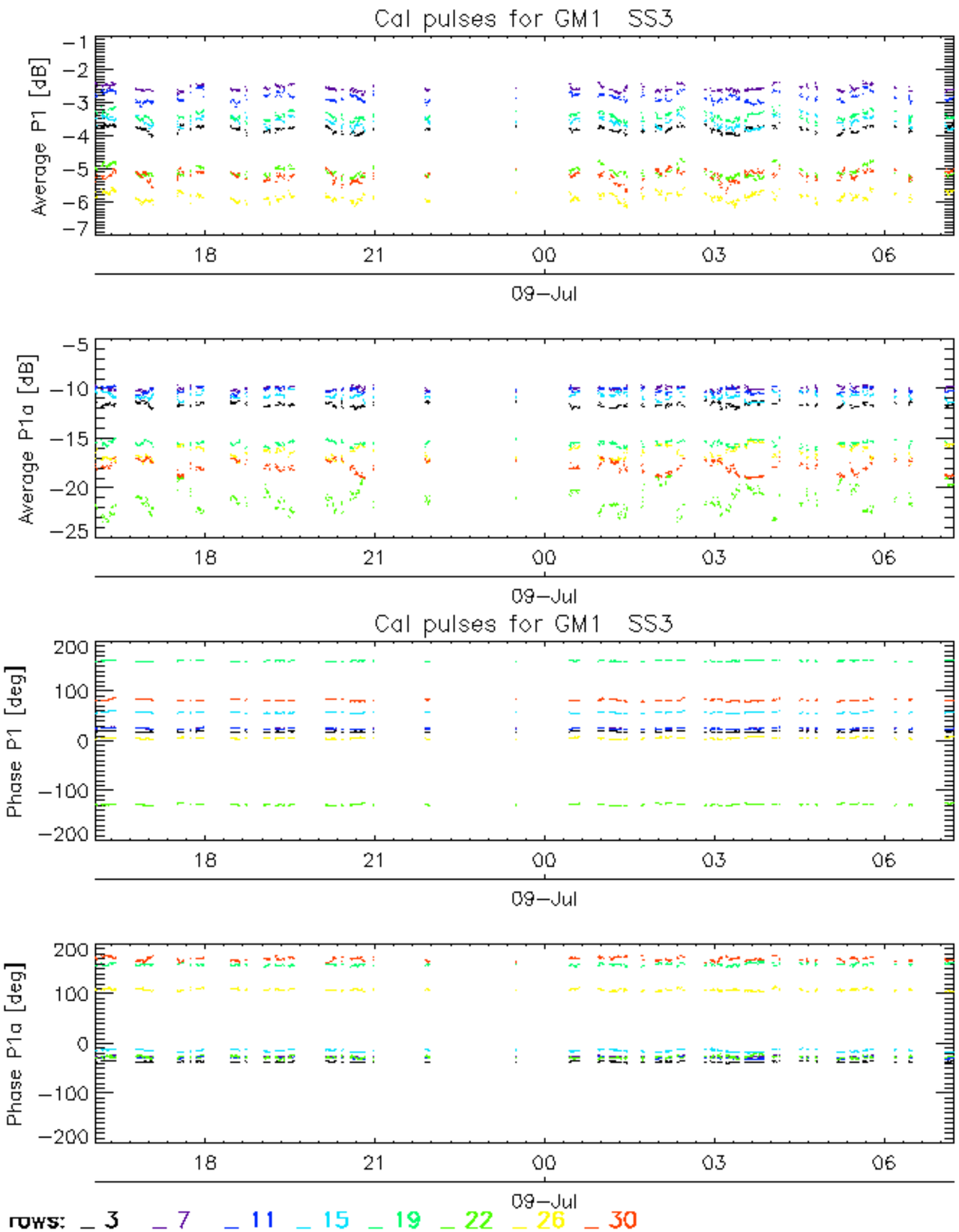
Evolution of Absolute Doppler

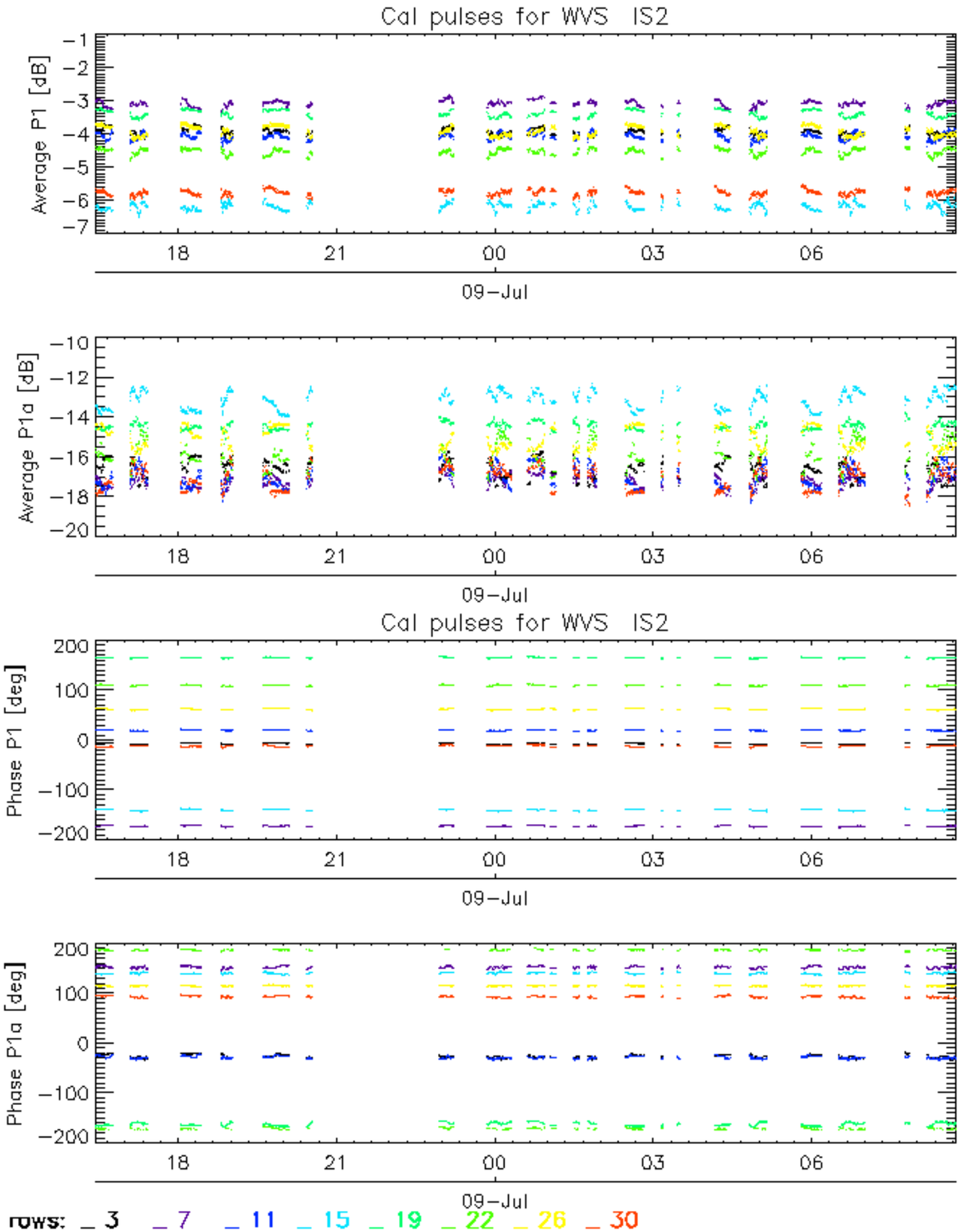
Acsending

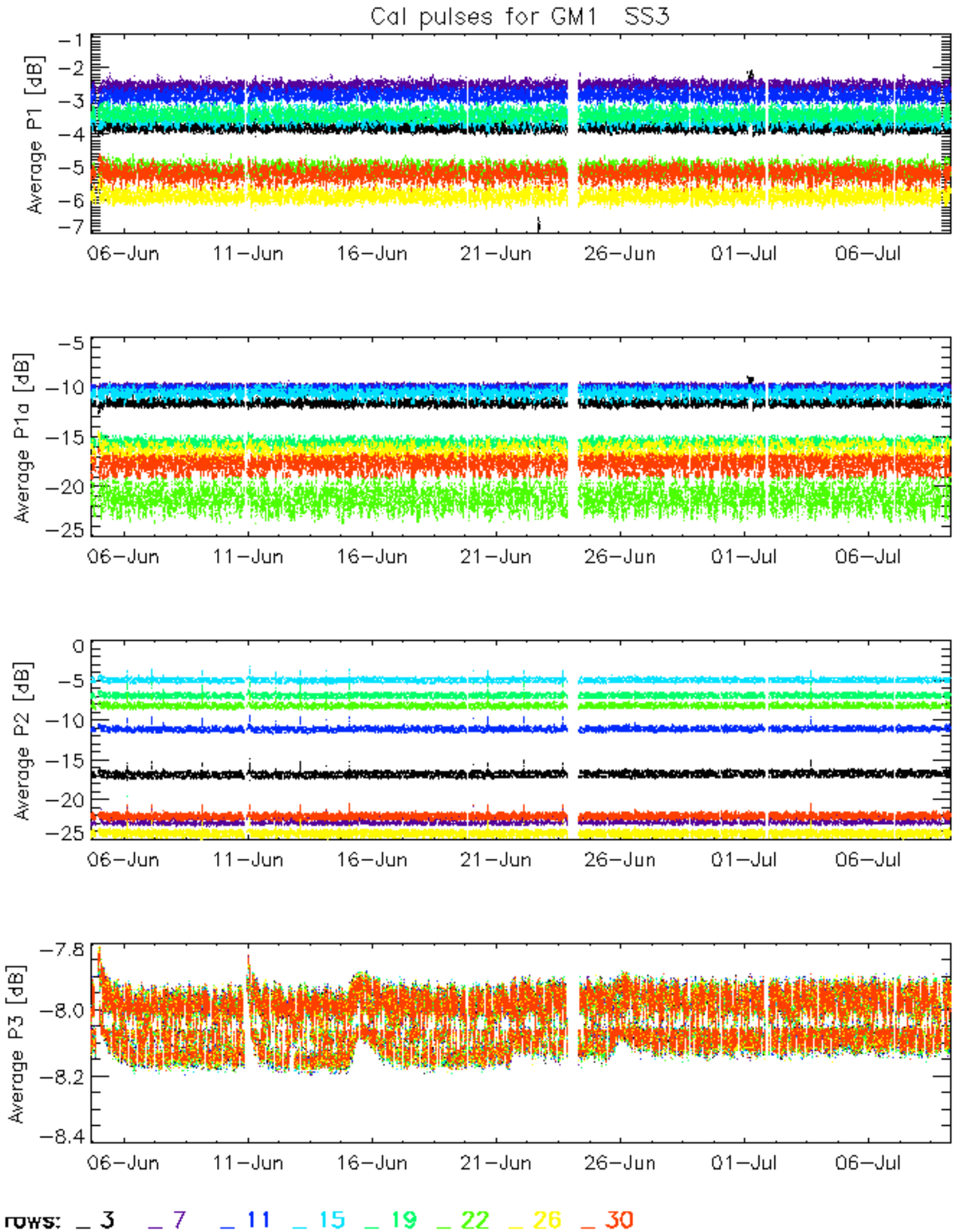
Descending

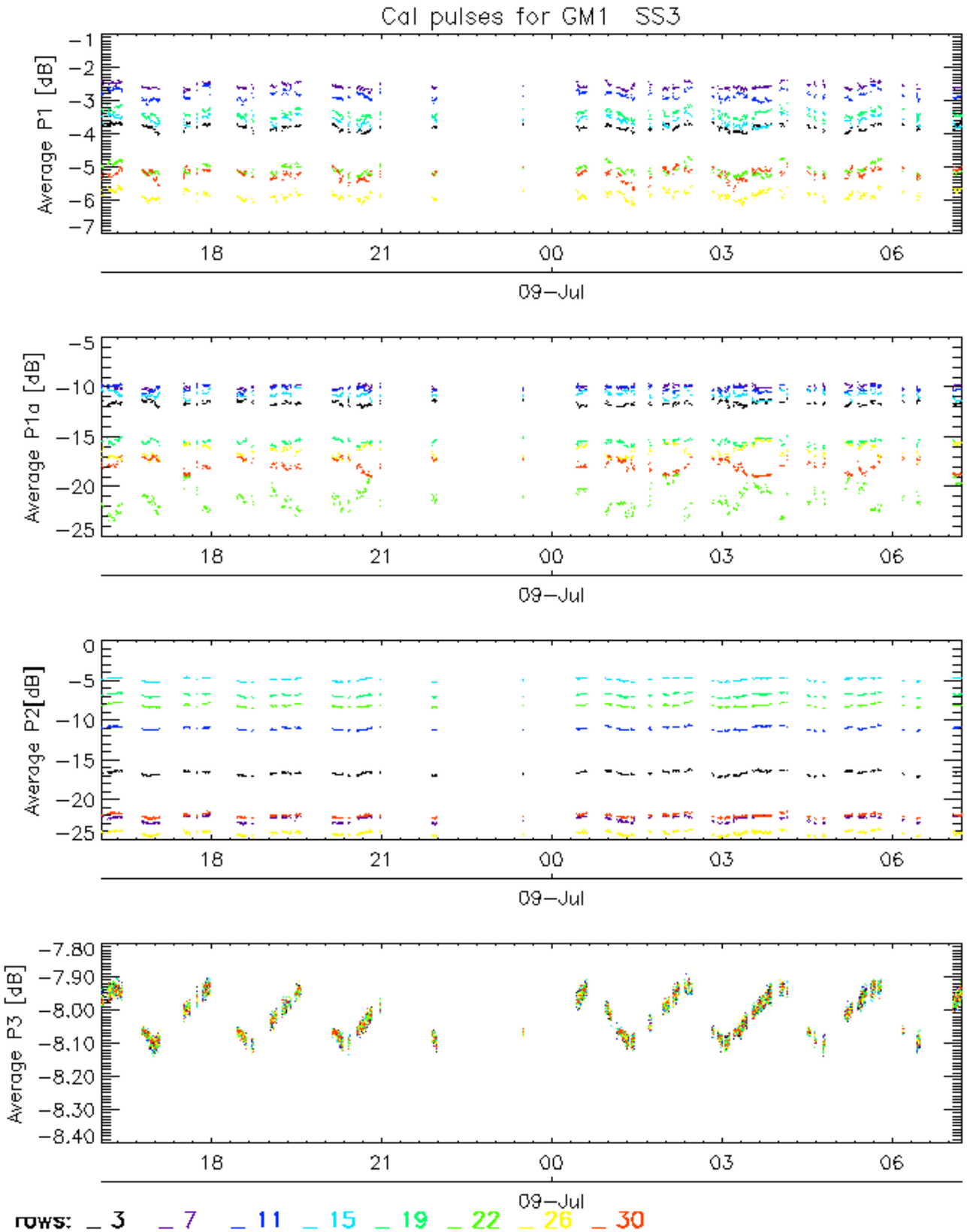
7.6 - Doppler evolution versus ANX for GM1

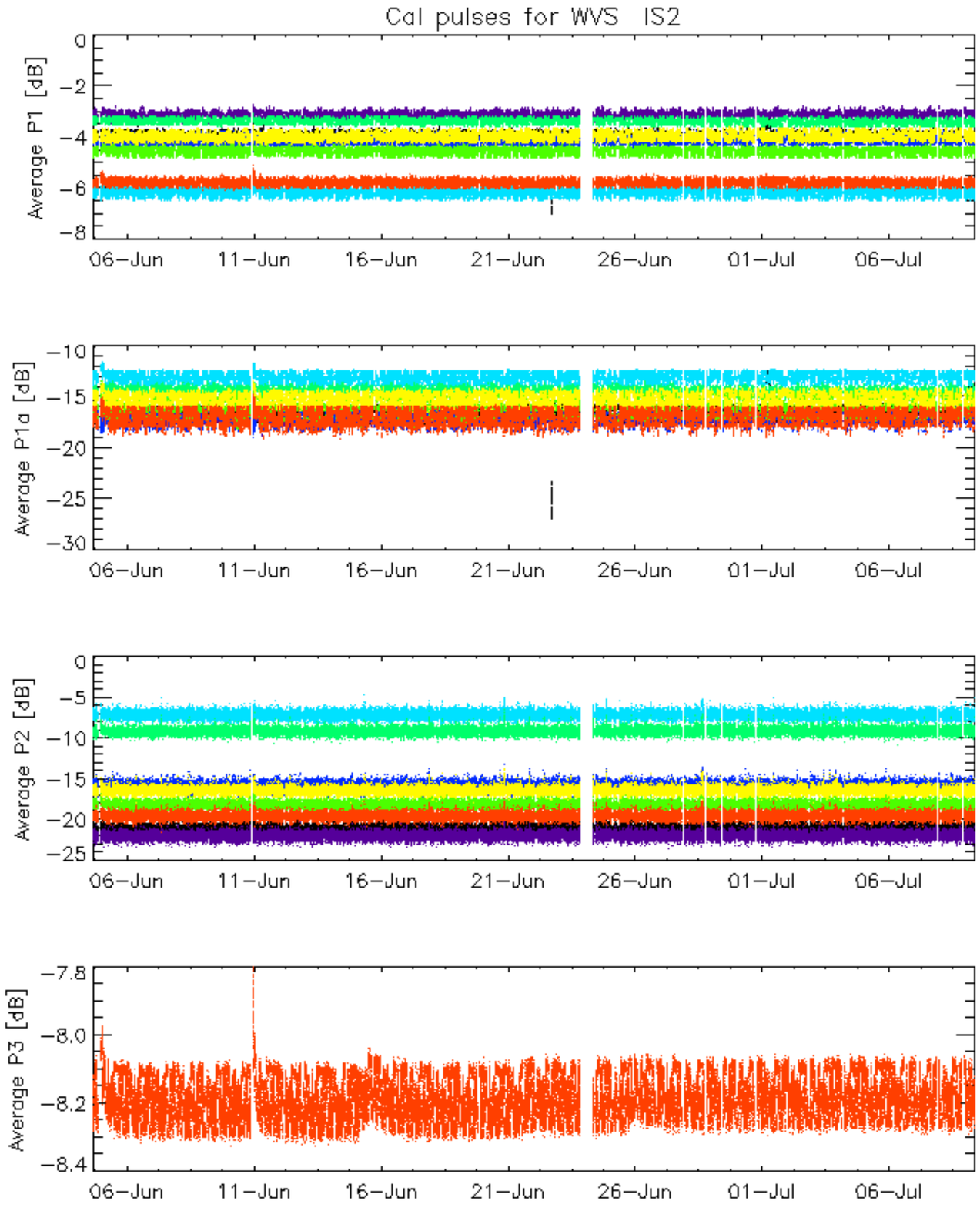
Evolution Doppler error versus ANX

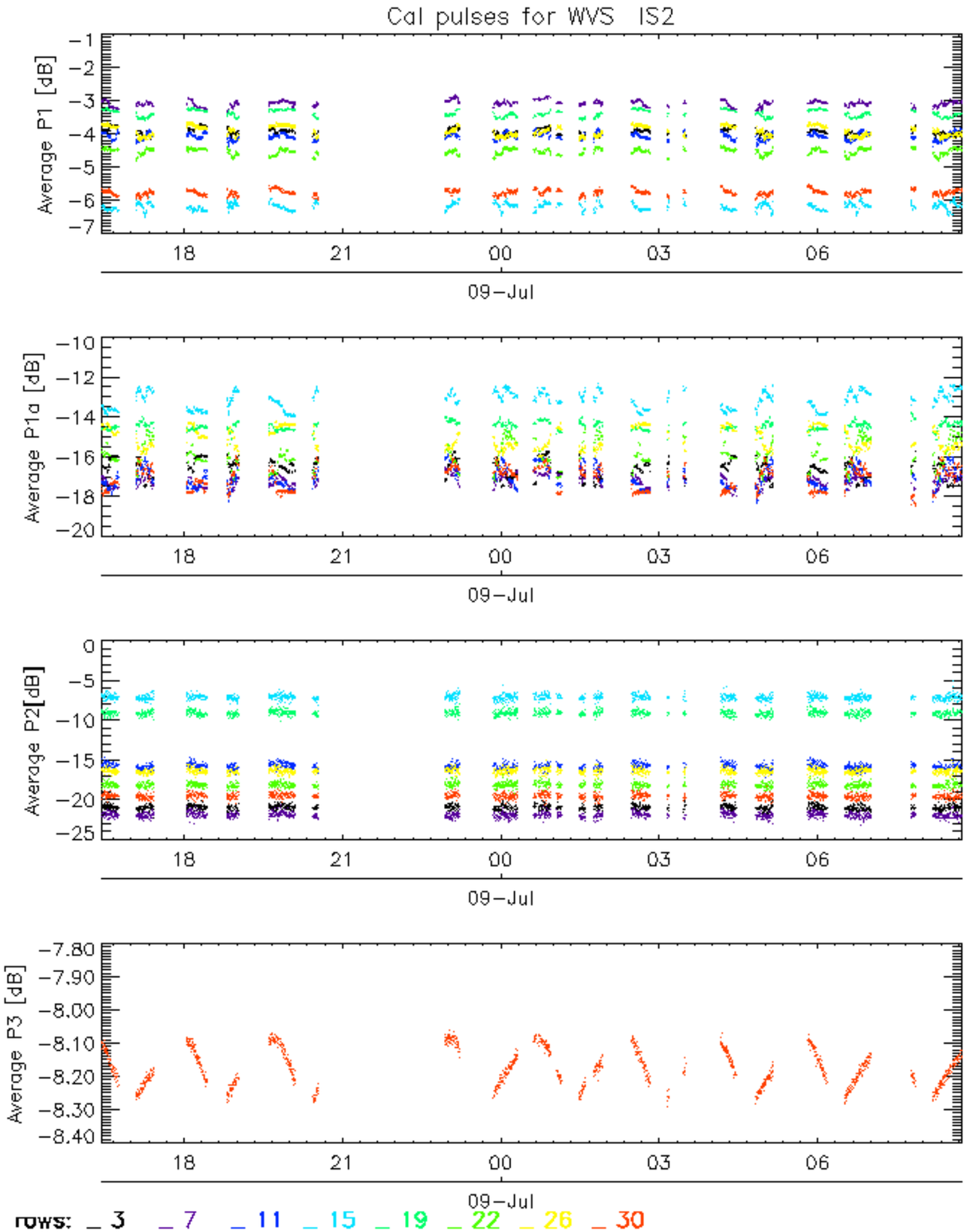


Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09−Jul
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Jul
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 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−Jul
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
09−Jul
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Jul
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09−Jul
rows: 3 7 11 15 19 22 26 30

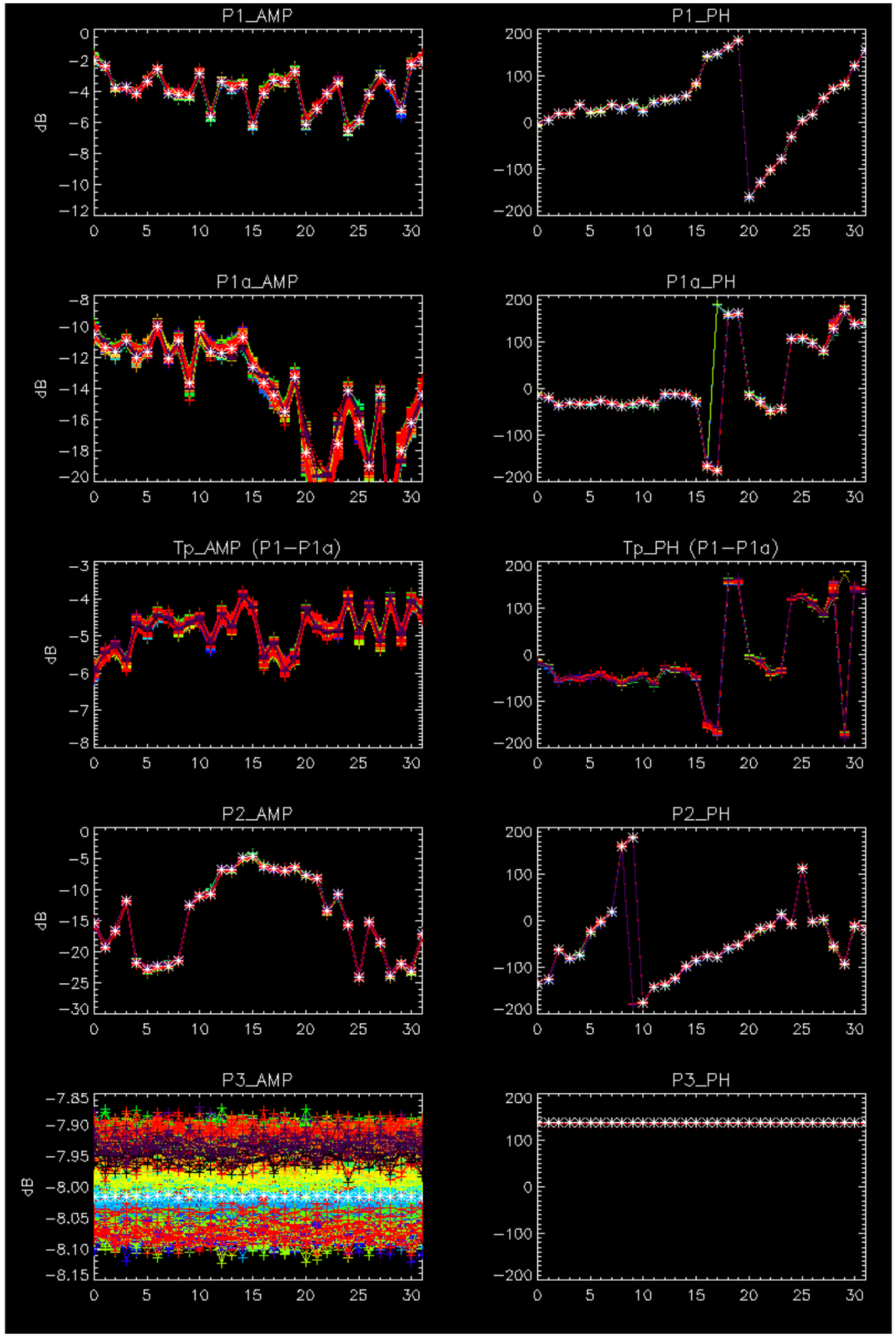

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Jun
11−Jun
16−Jun
21−Jun
26−Jun
01−Jul
06−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

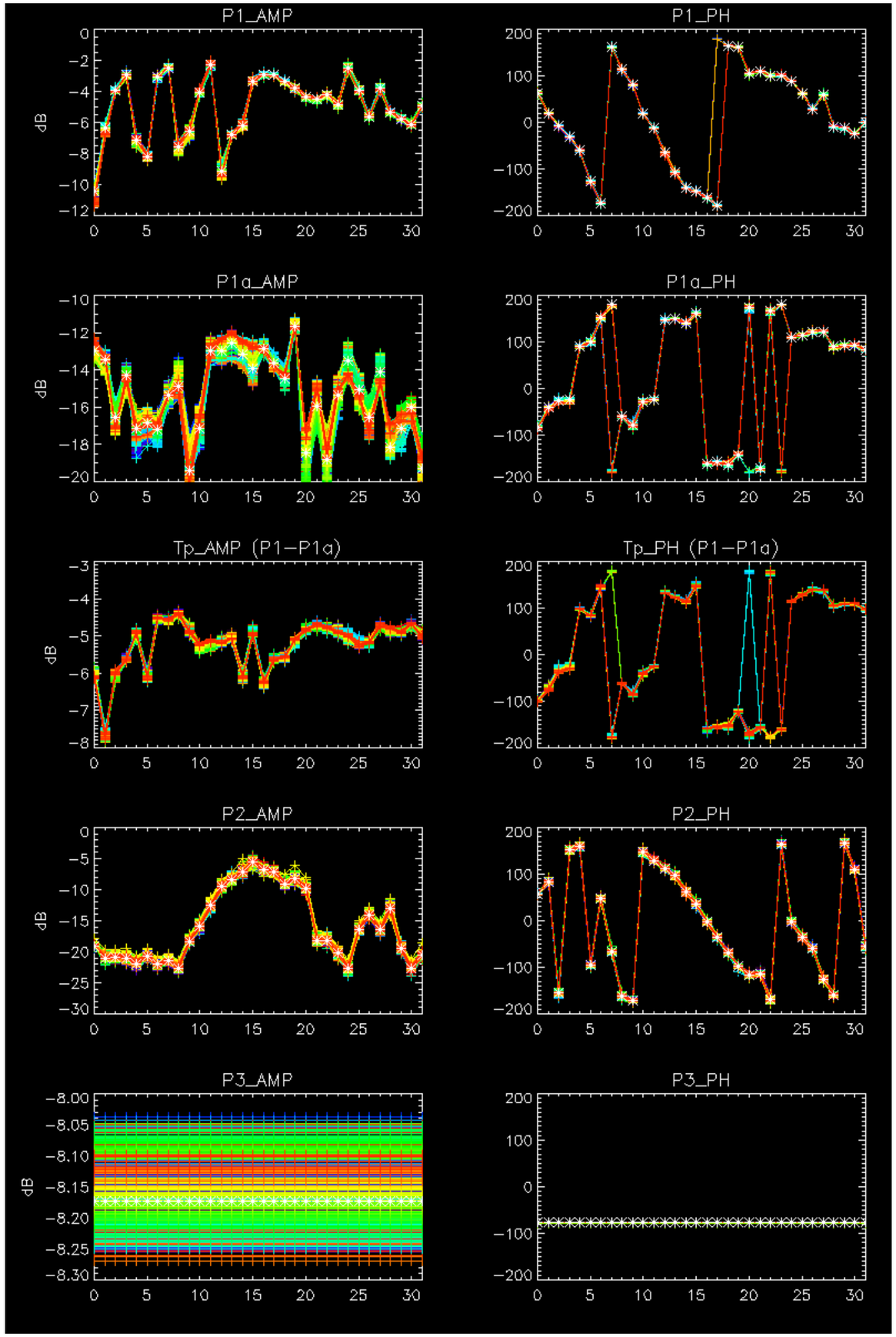

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
09−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09−Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09−Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09−Jul
rows: _ 3 _ 7 _ 11 _ 15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


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

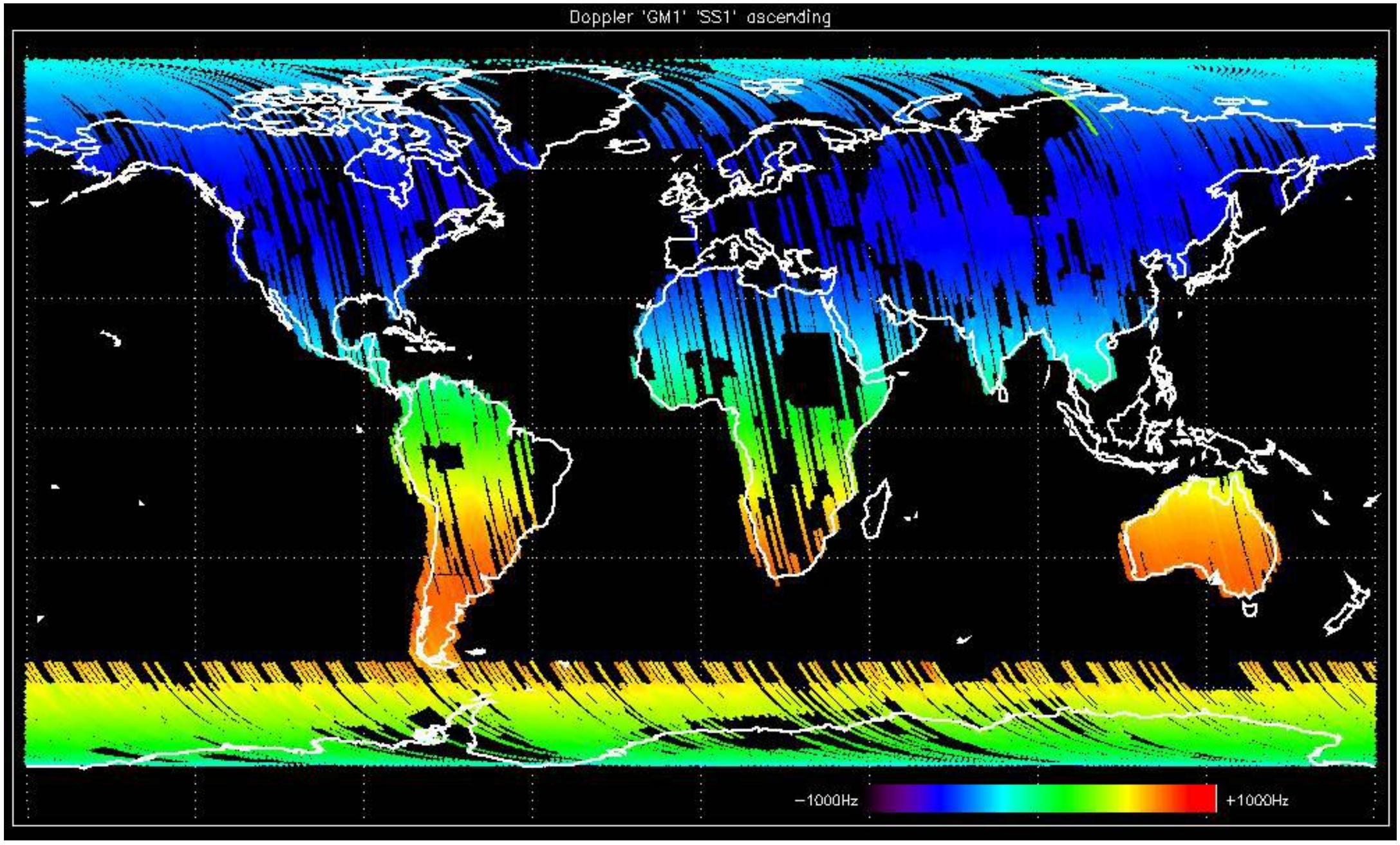
No anomalies observed.

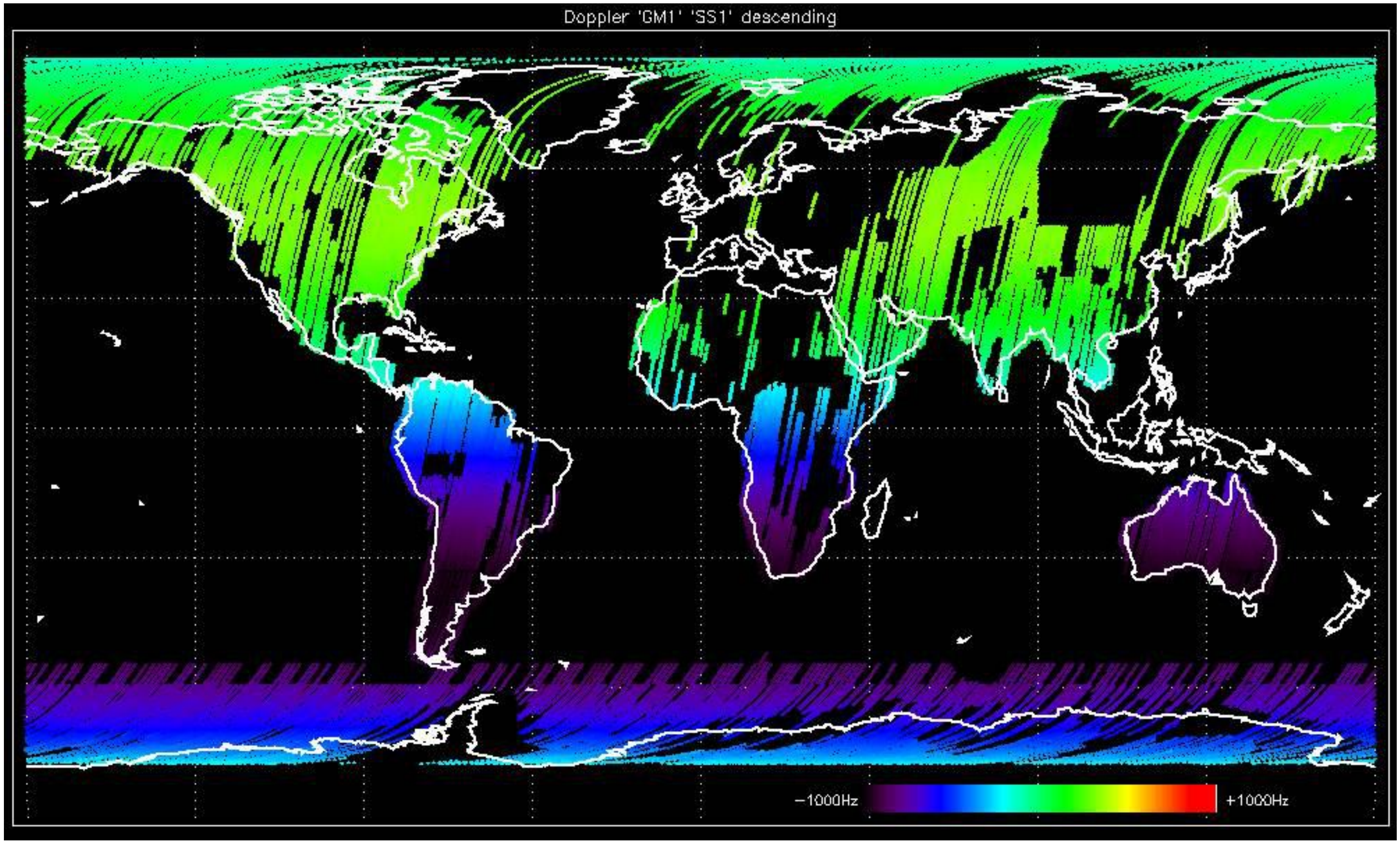

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

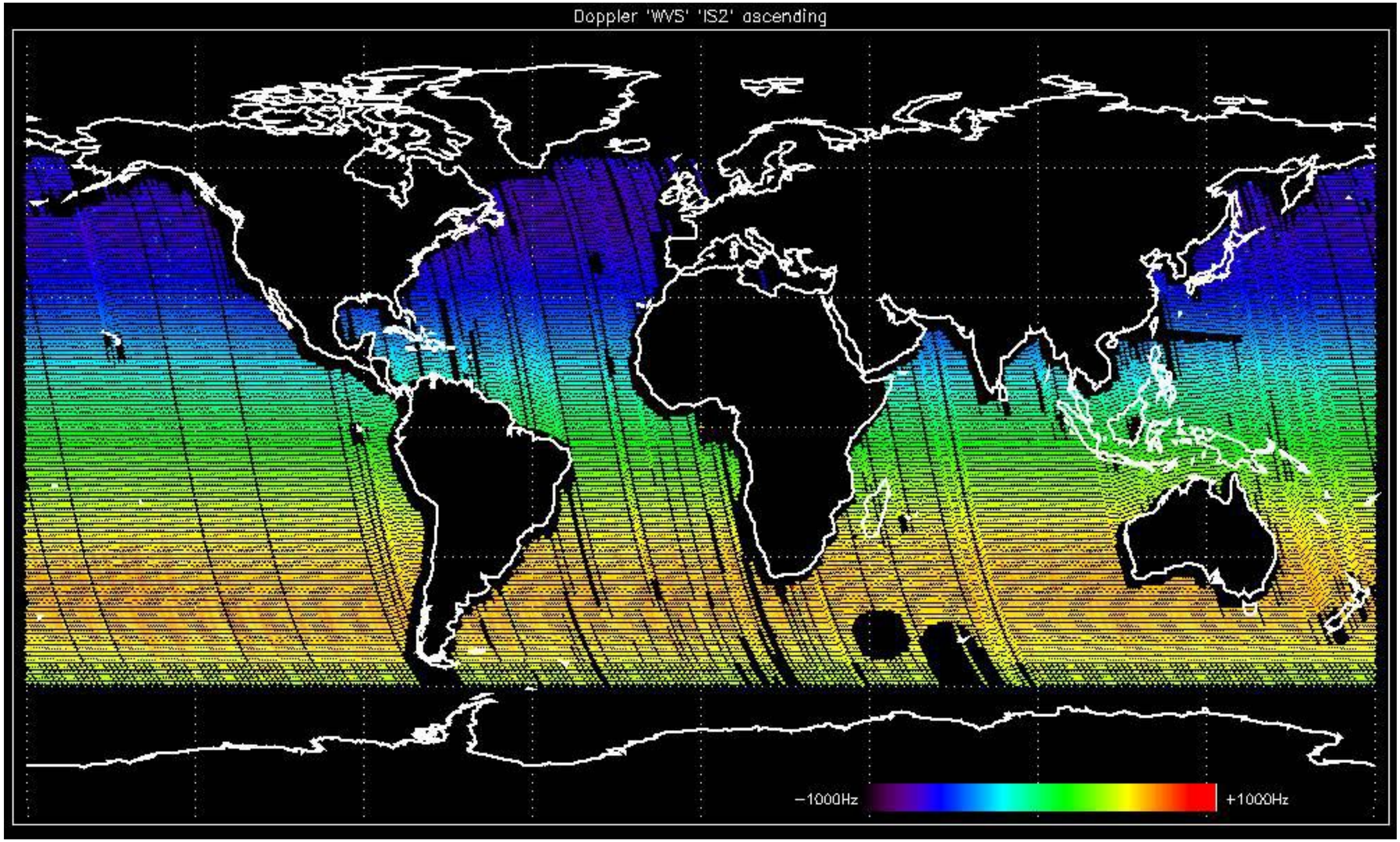

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

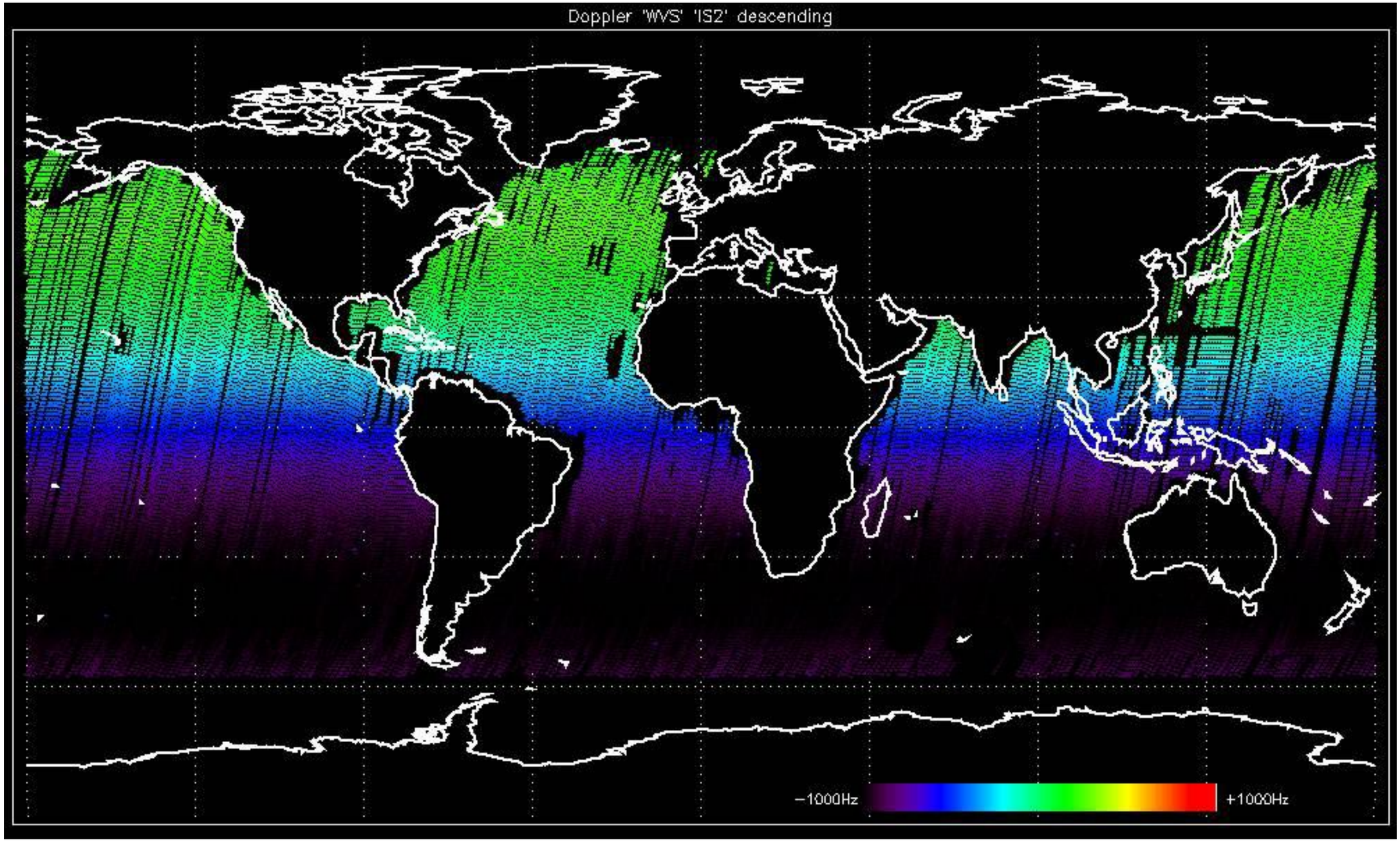
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

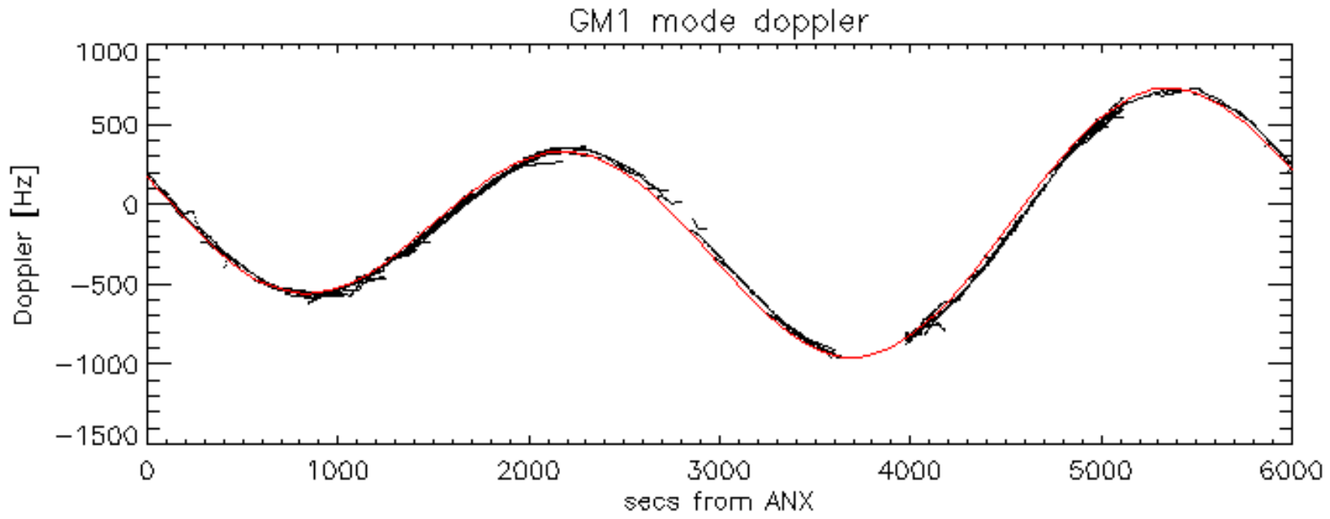
Preliminary report.The data is not yet controled

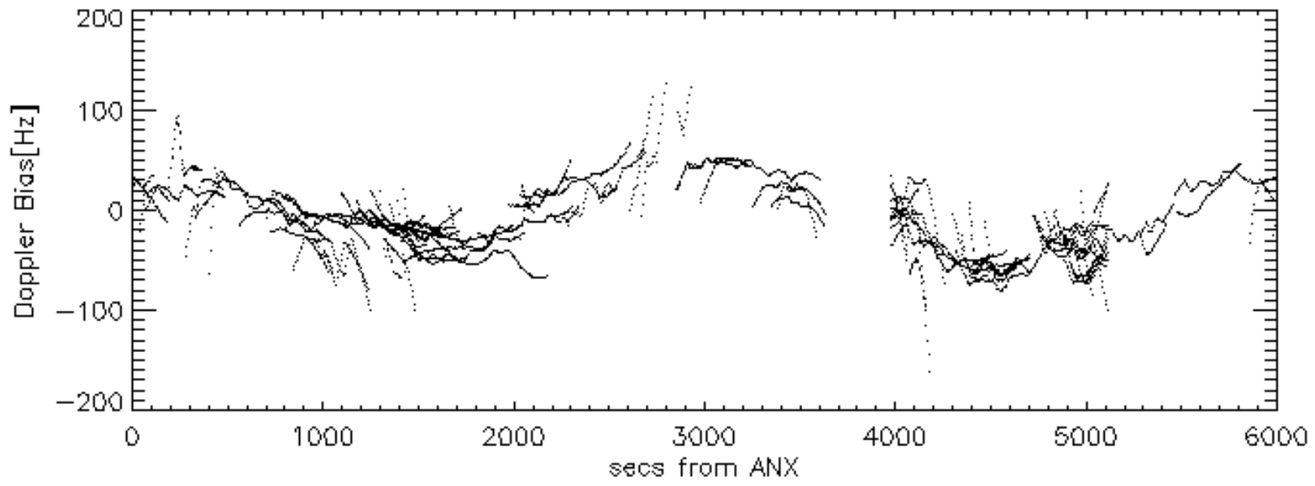

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

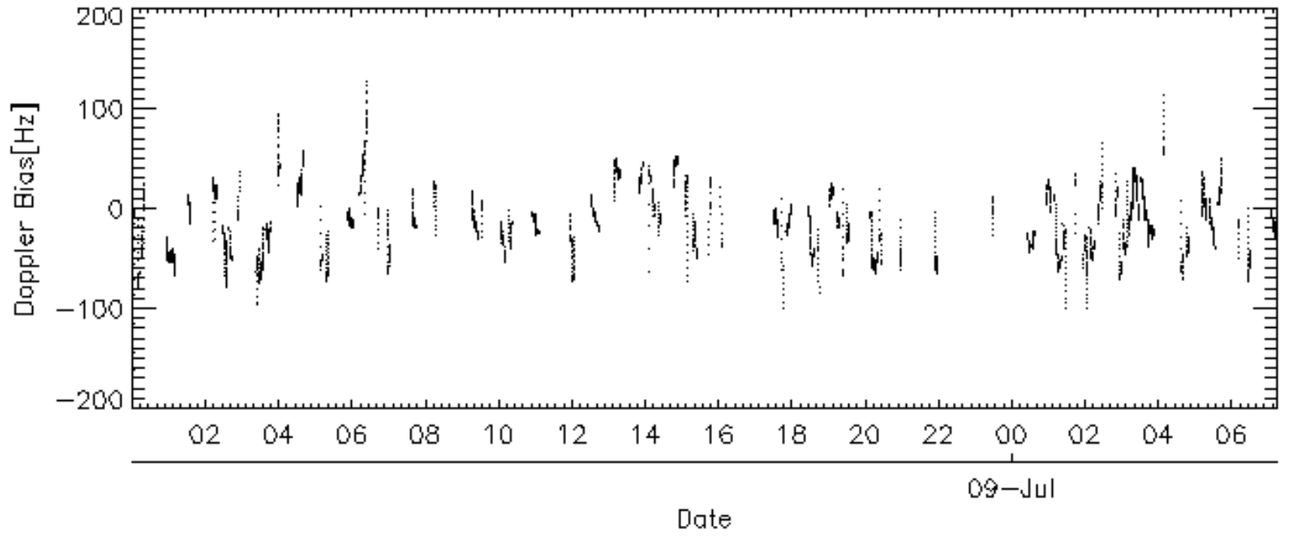

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

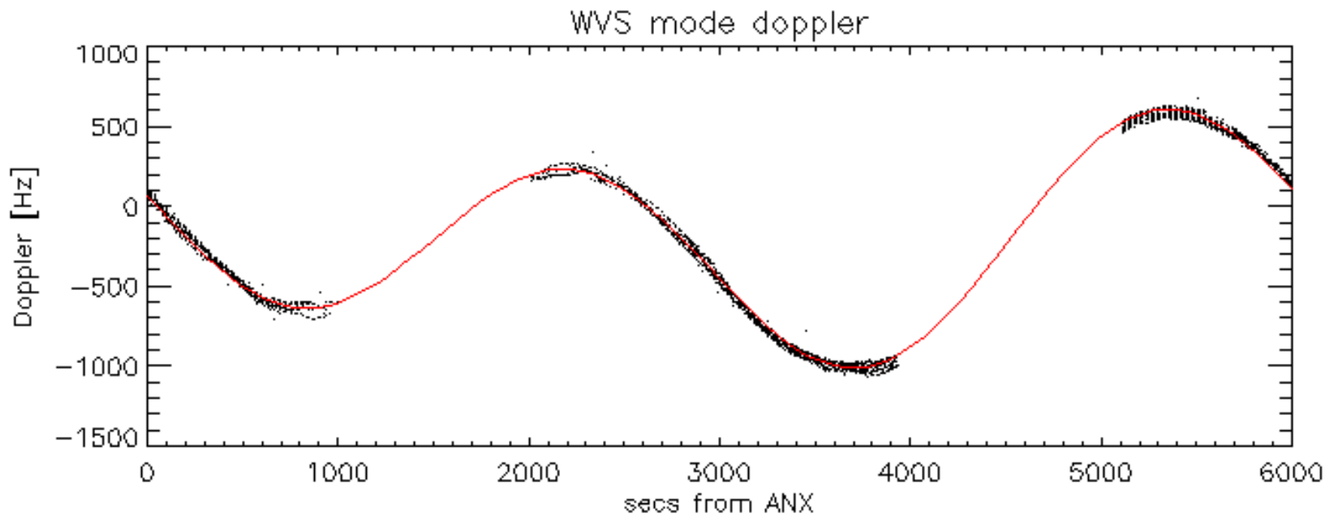

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

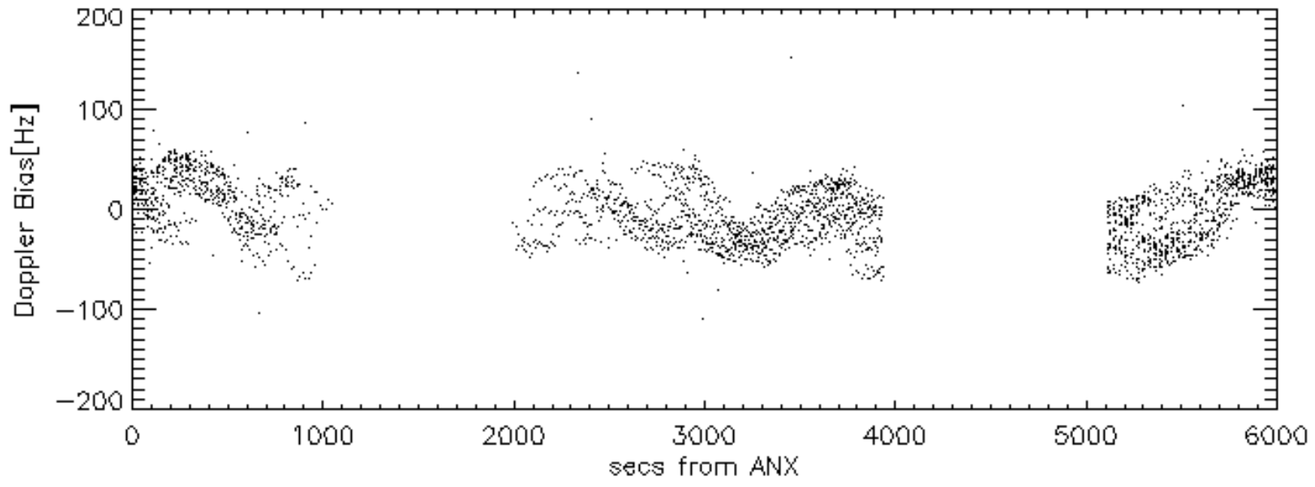

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

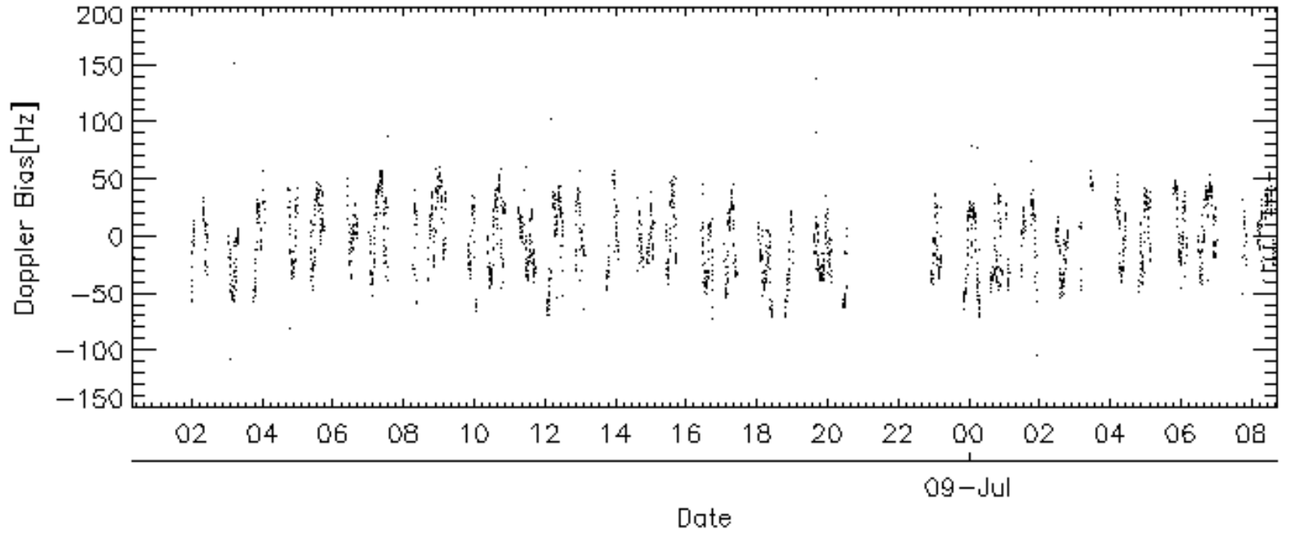

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

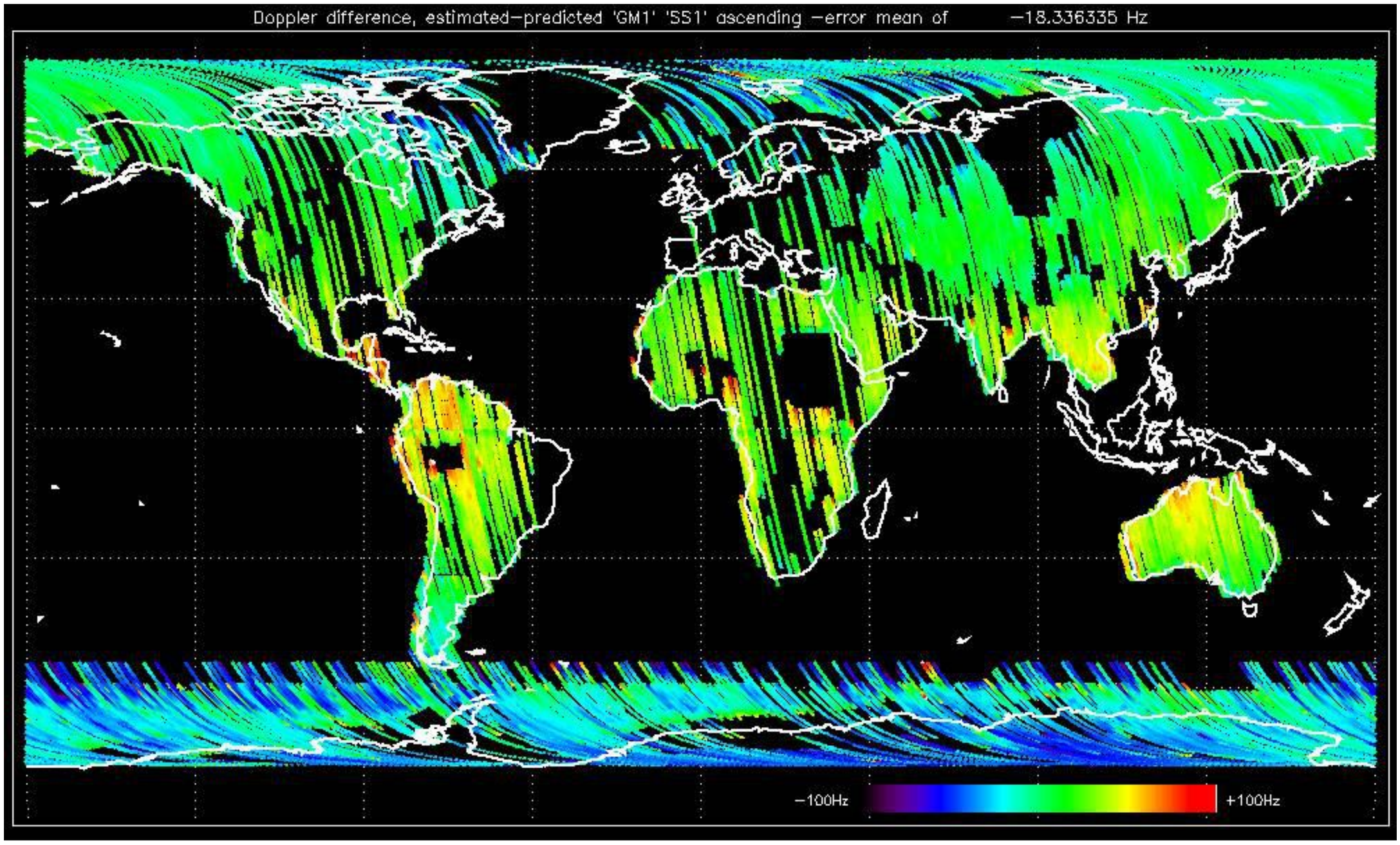

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

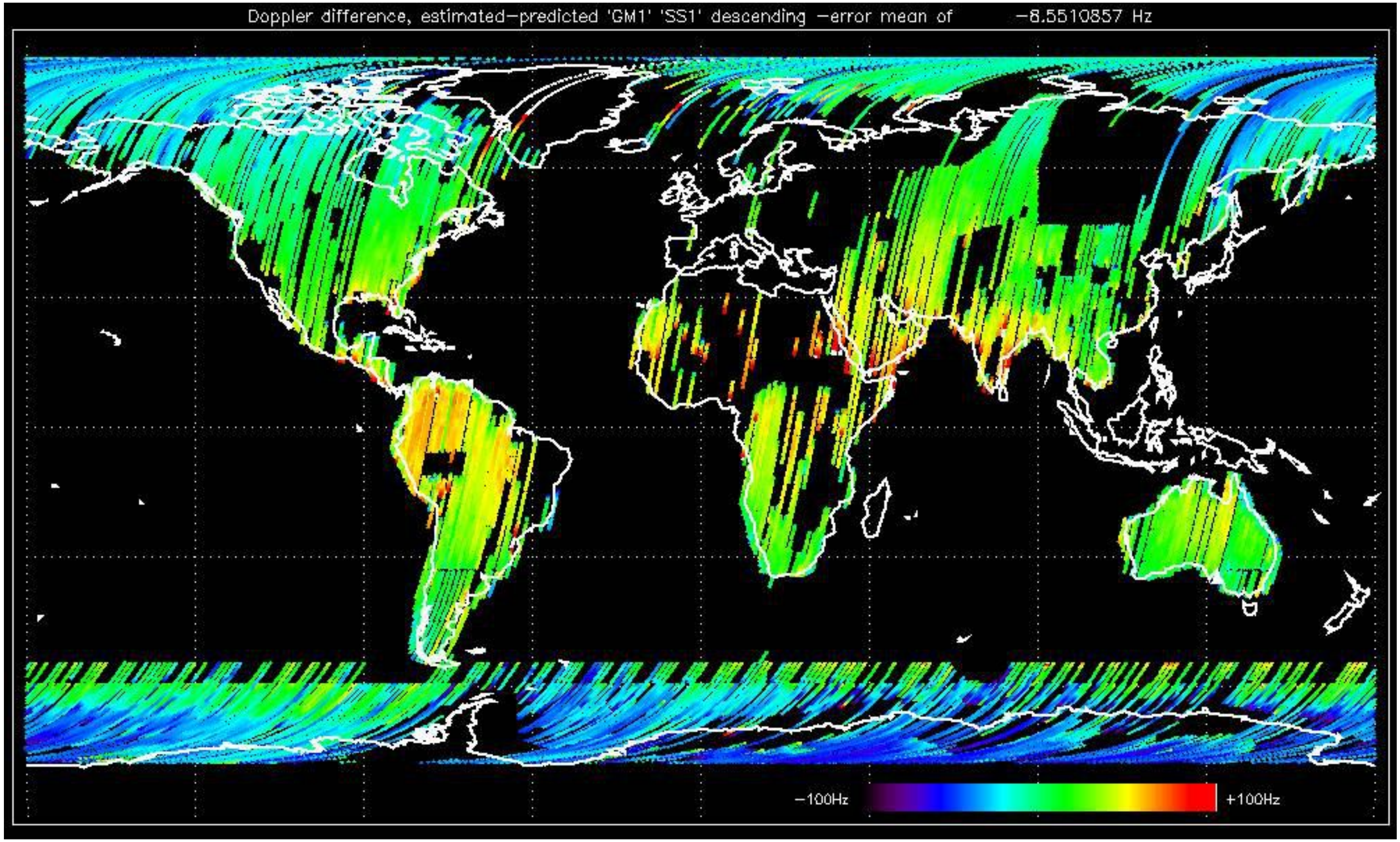

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
09−Jul
Date

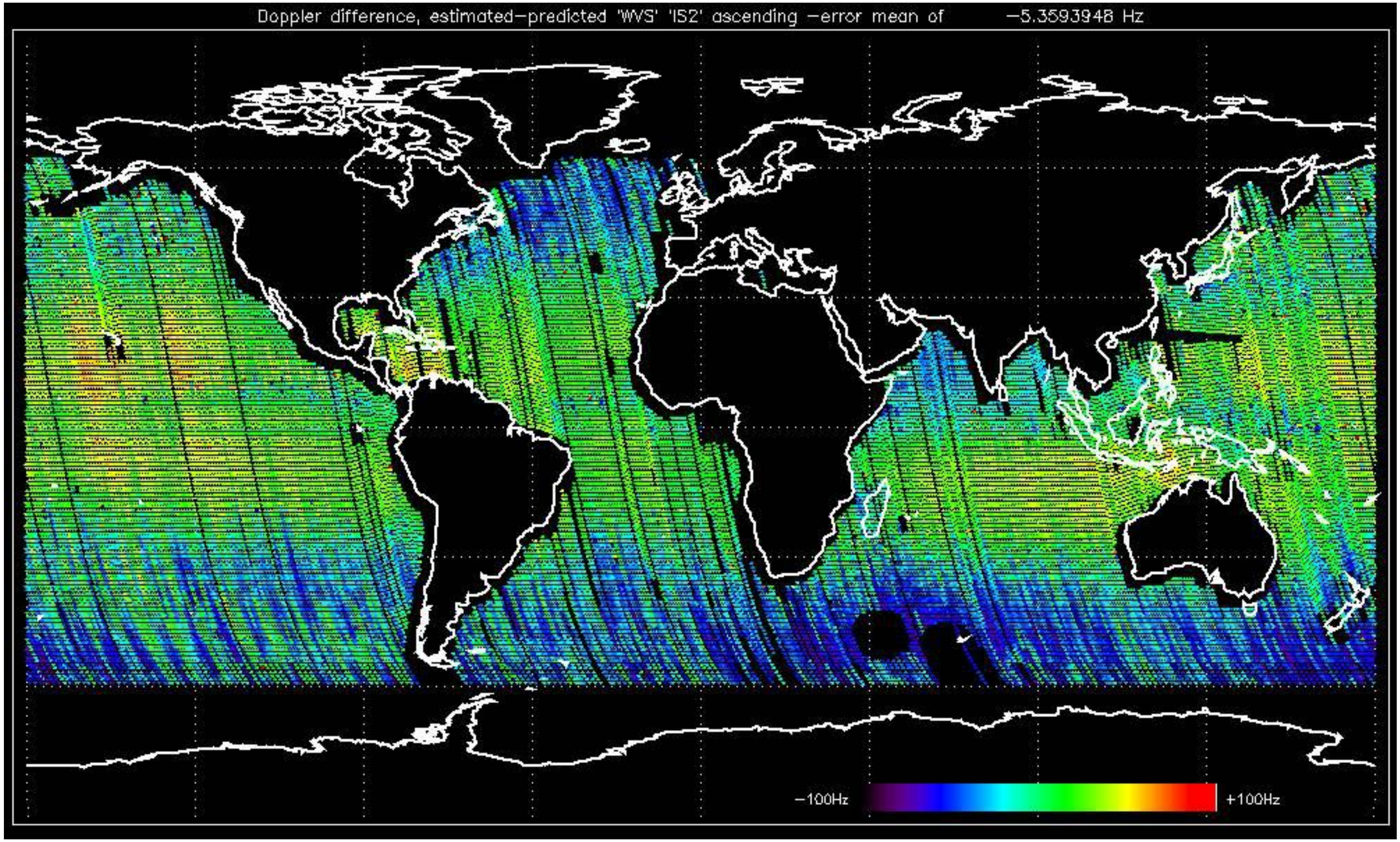

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

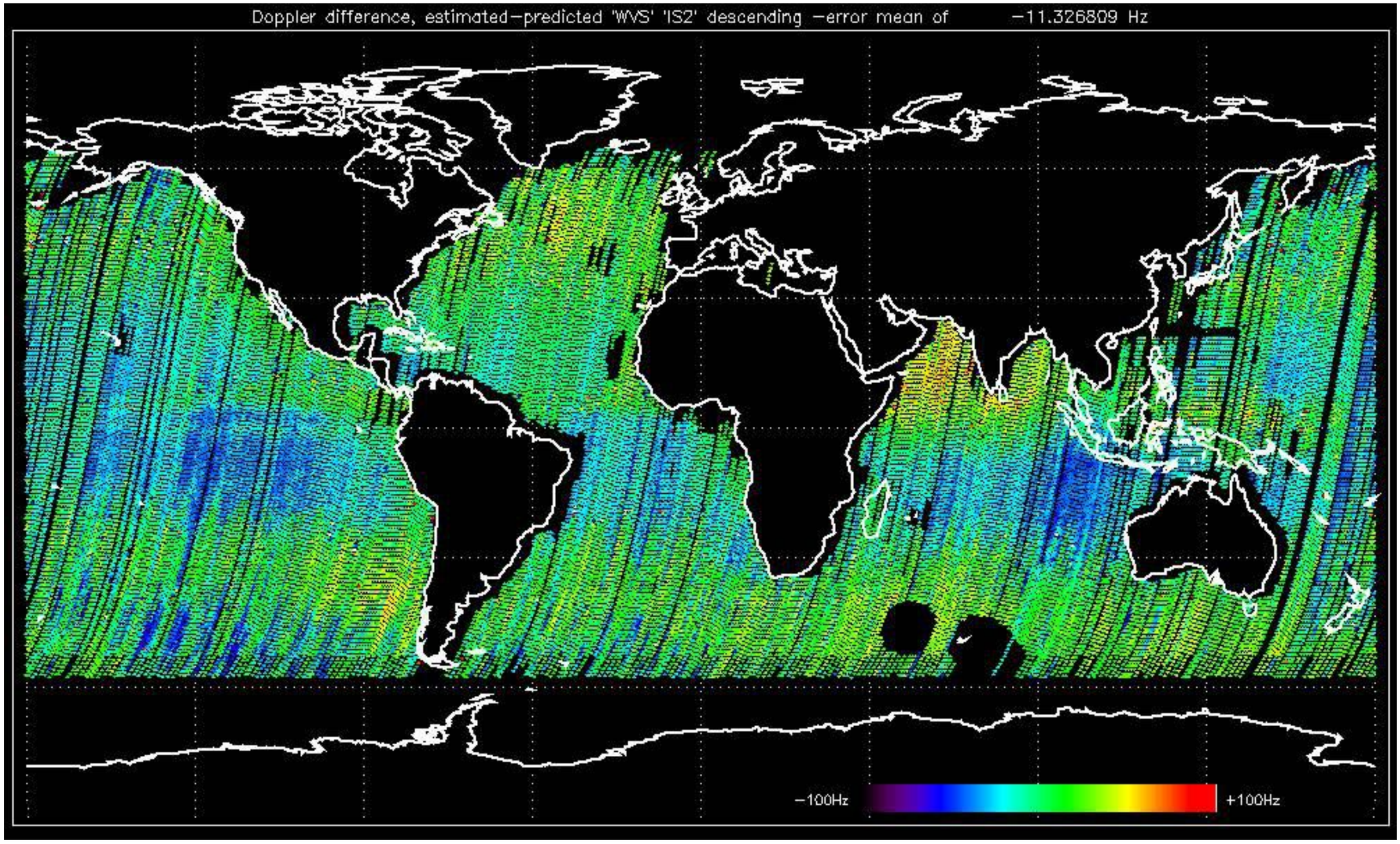

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.336335 Hz
−100Hz
+100Hz

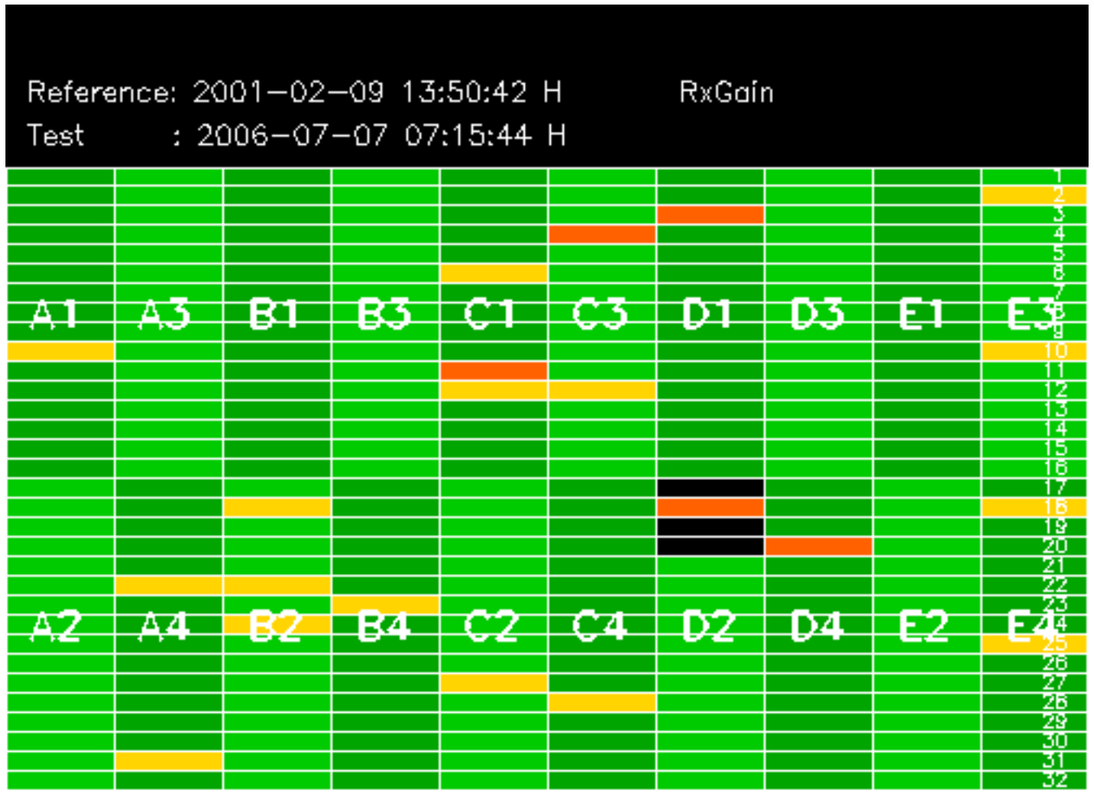

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −8.5510857 Hz
−100Hz
+100Hz

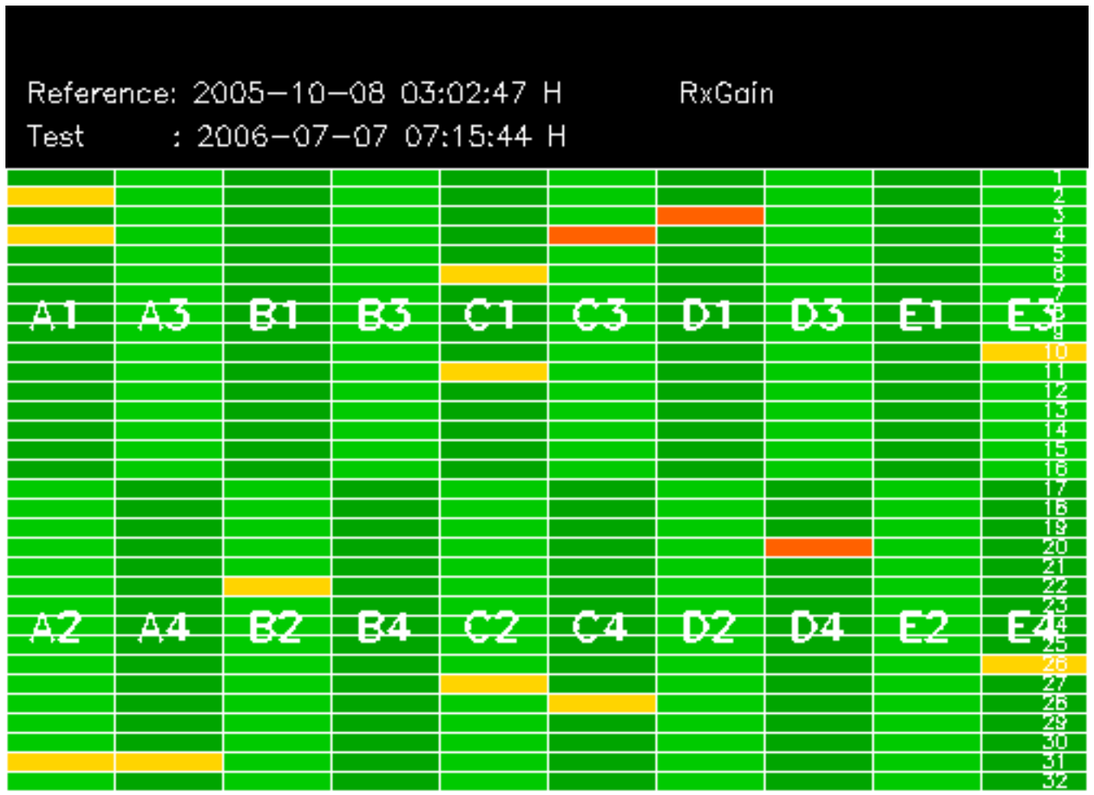

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −5.3593948 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.326809 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-07 07:15:44 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-07-07 07:15:44 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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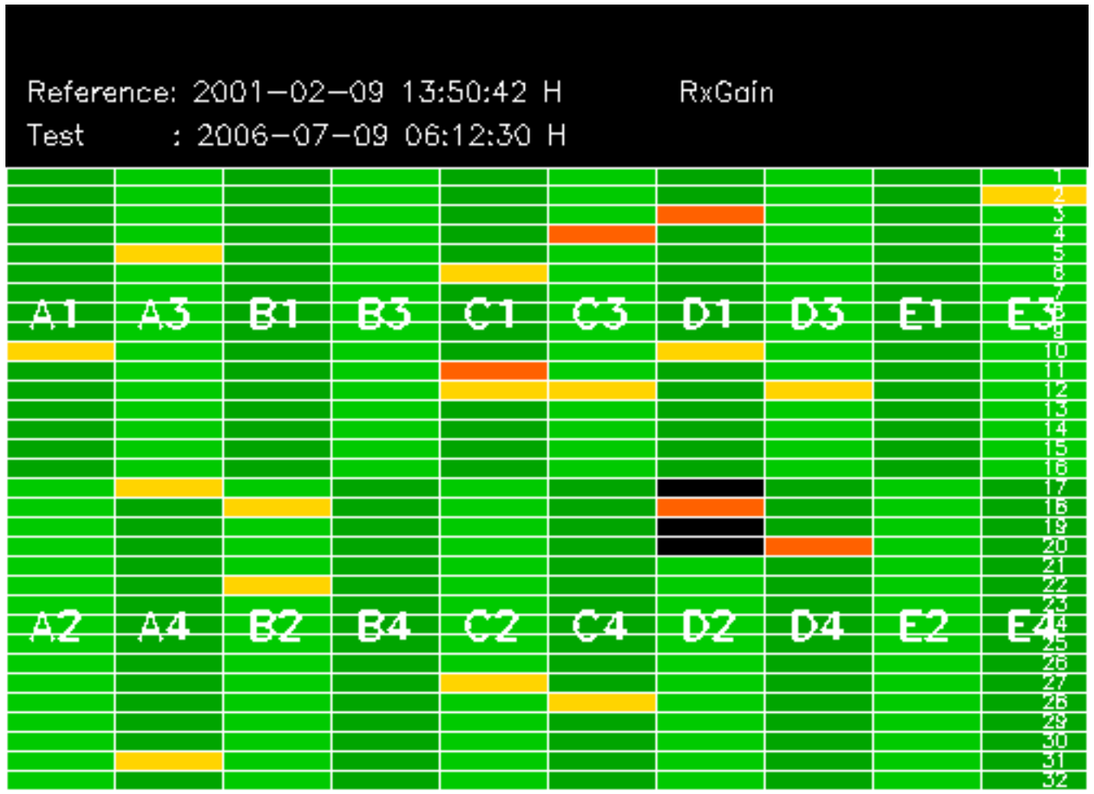
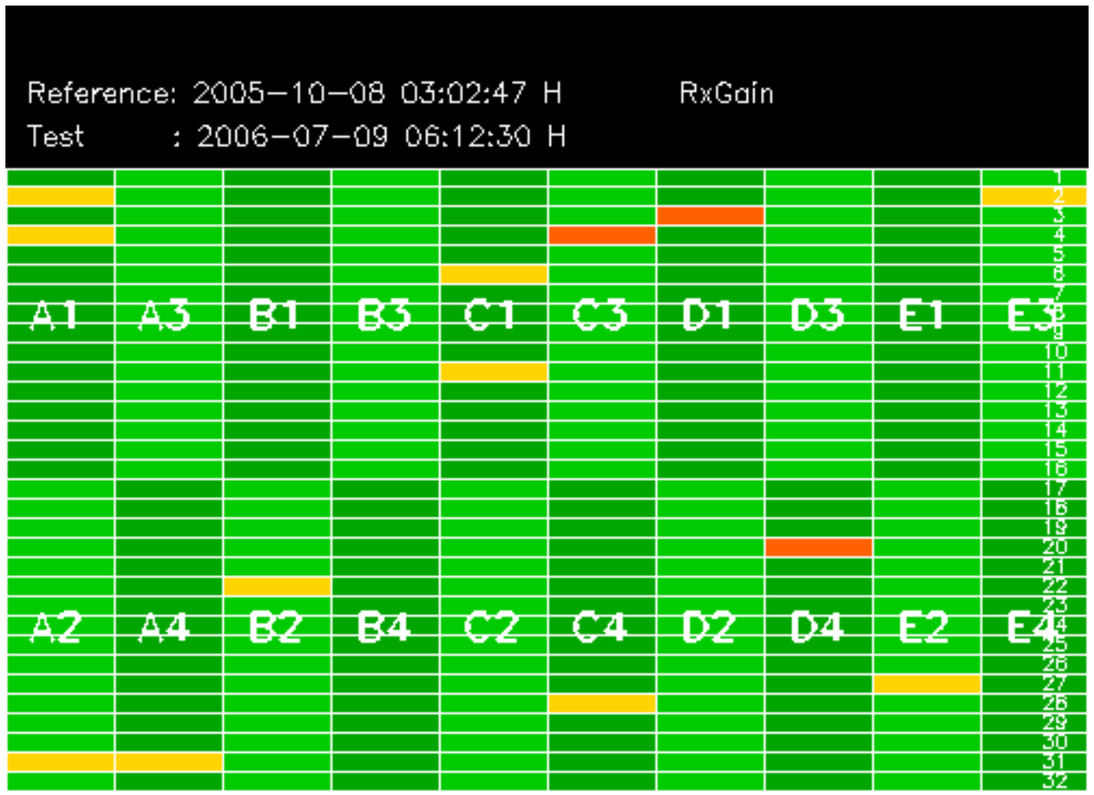
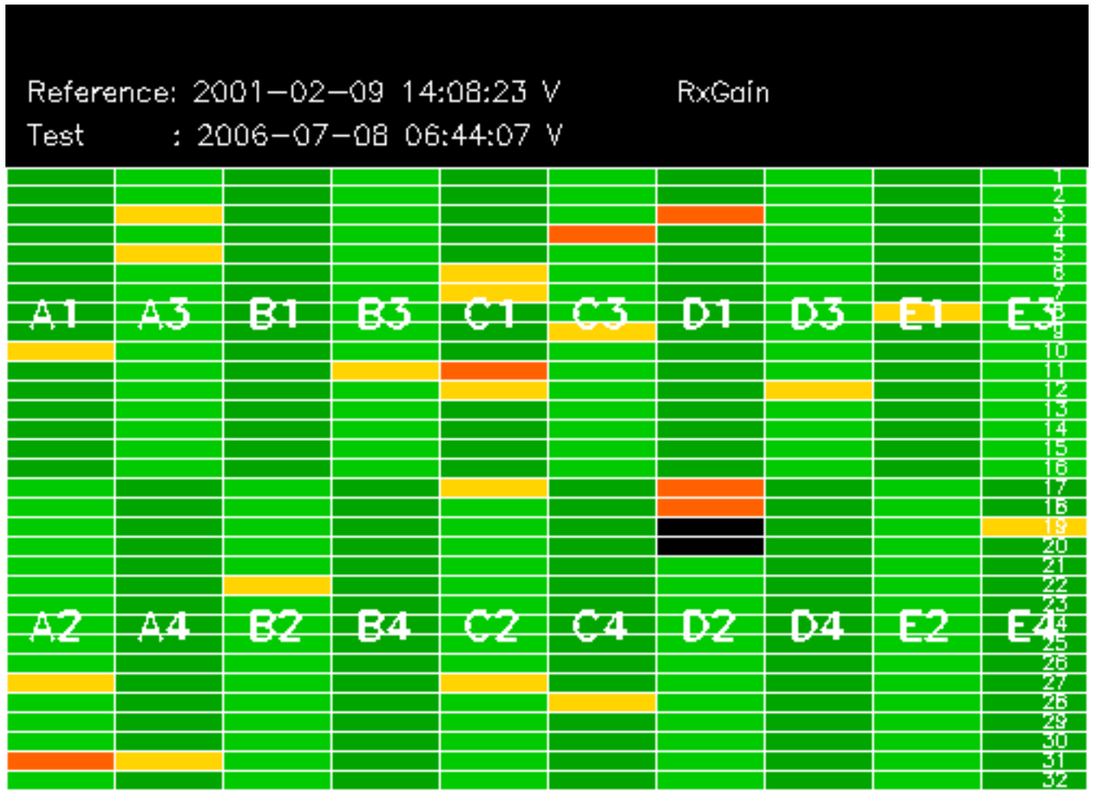

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-07-09 06:12:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-07-09 06:12:30 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2006-07-08 06:44:07 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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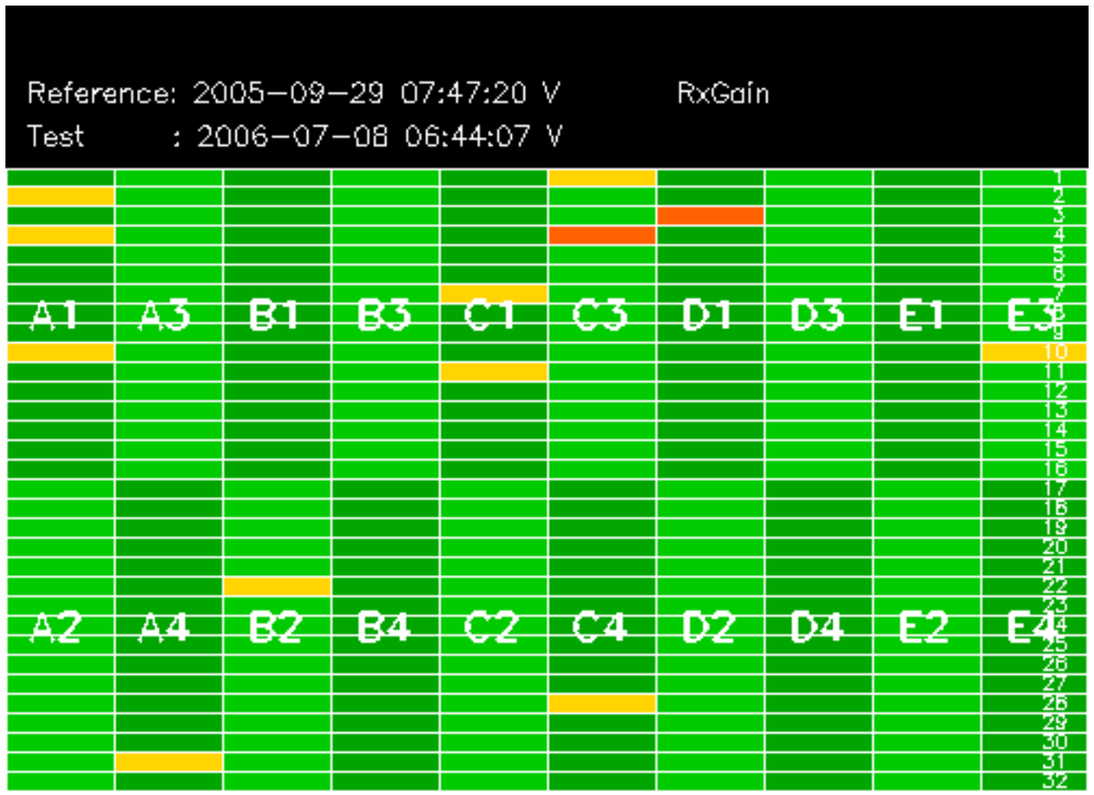
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-08 06:44:07 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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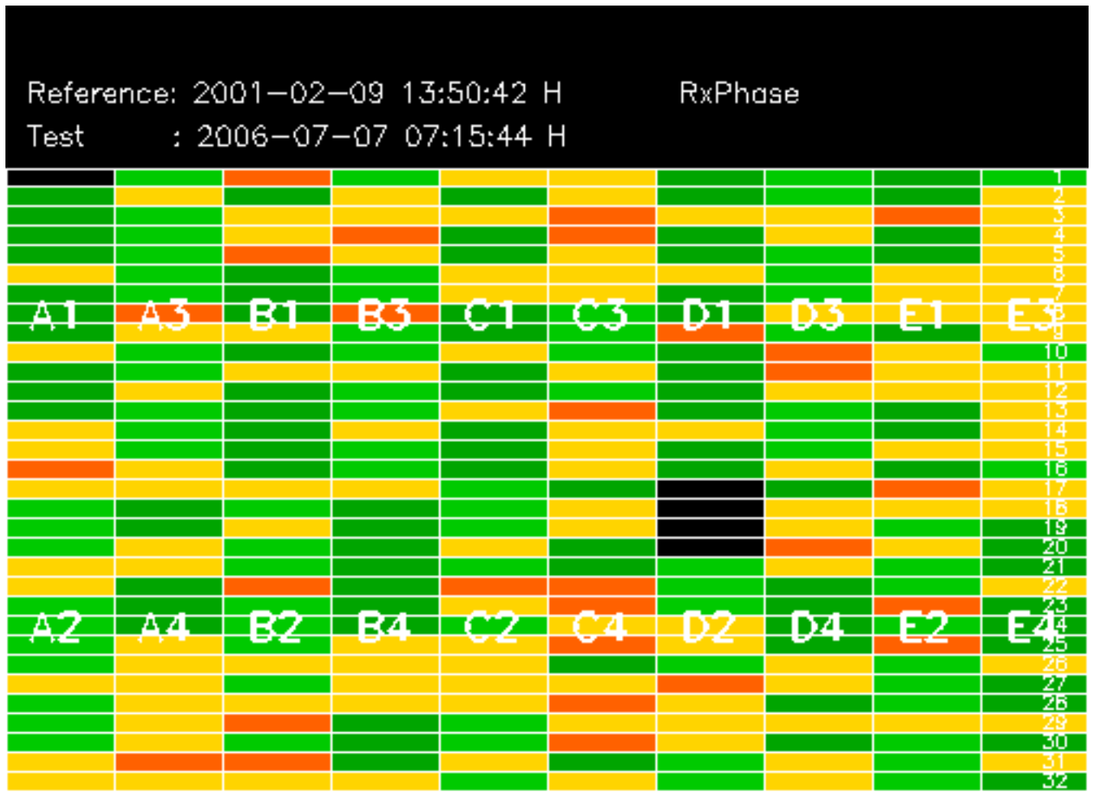
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-07-07 07:15:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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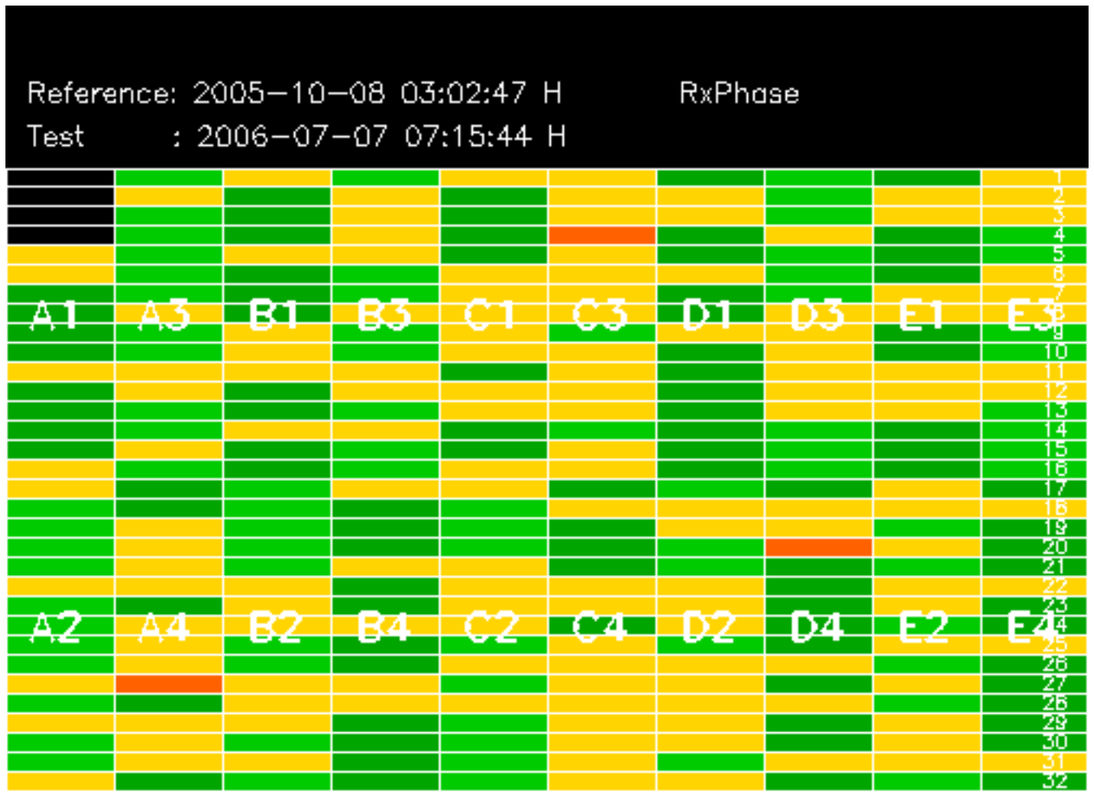
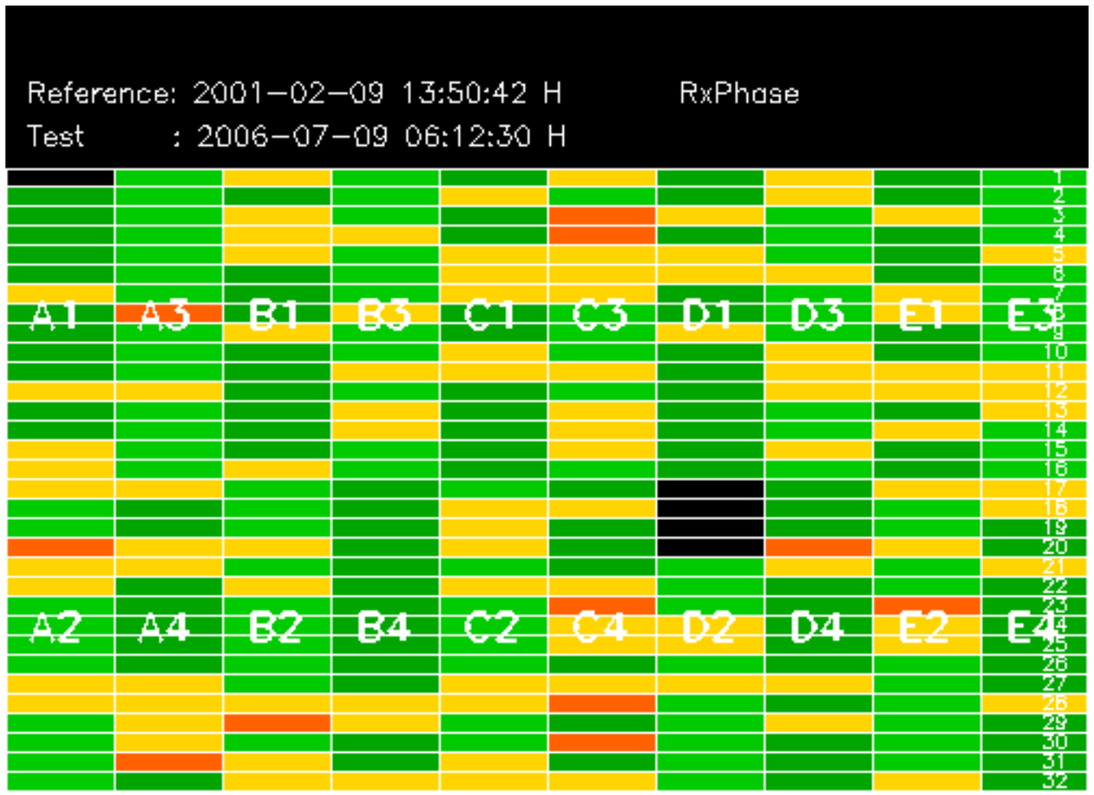
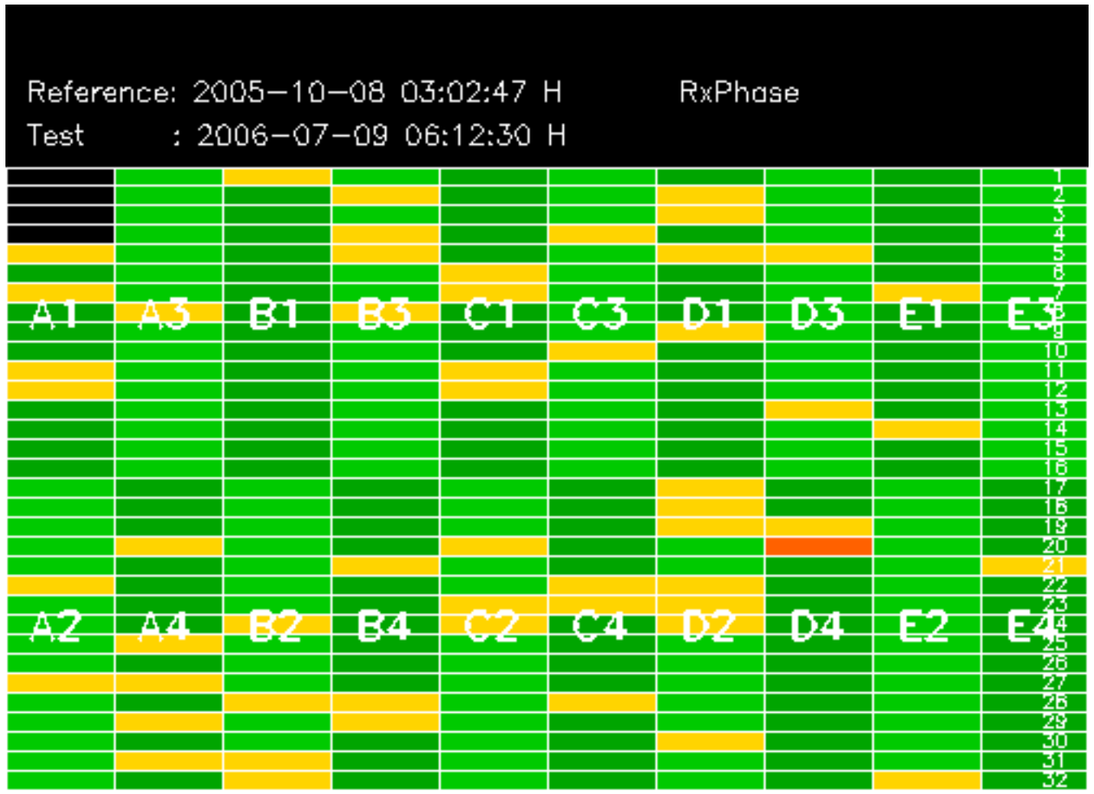

Reference: 2005-10-08 03:02:47 H
Test : 2006-07-07 07:15:44 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-07-09 06:12:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-07-09 06:12:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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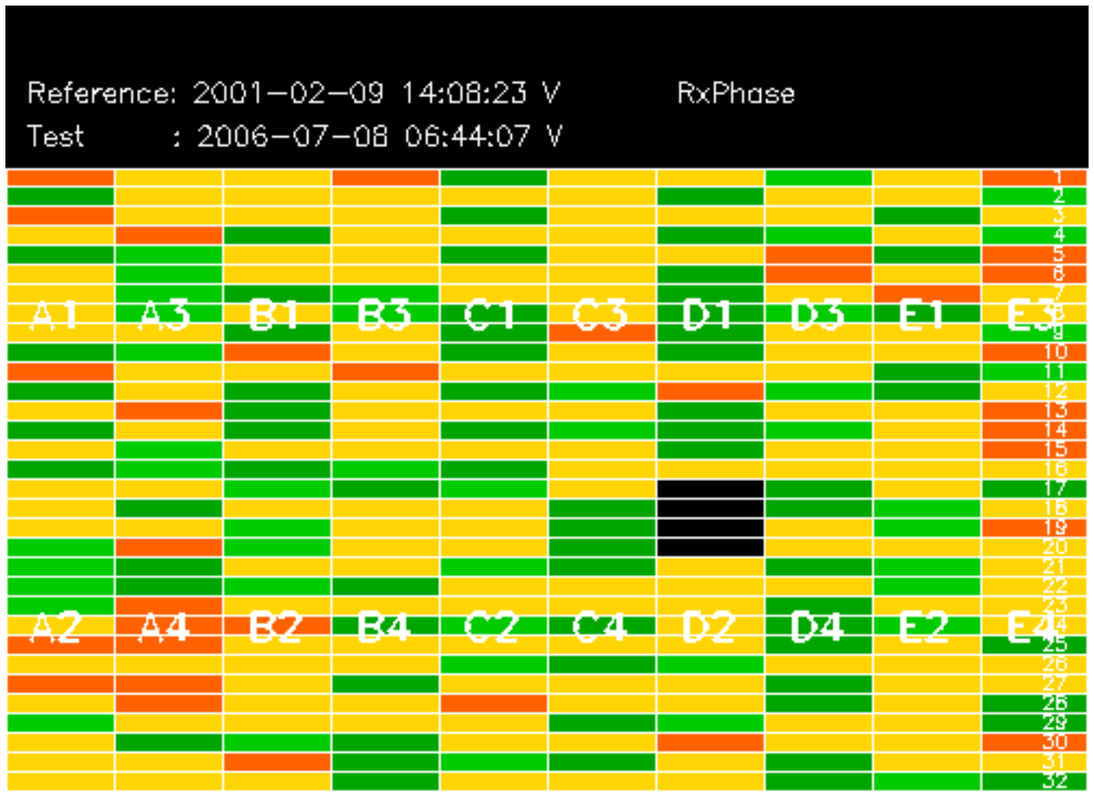
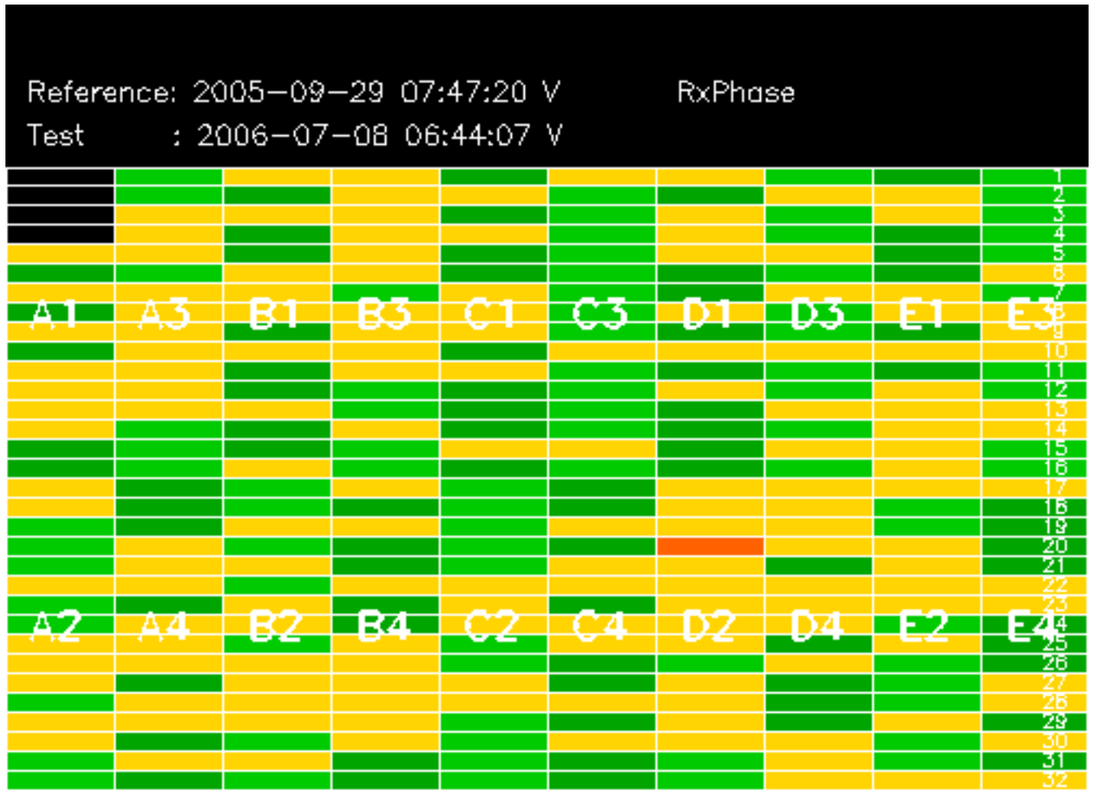
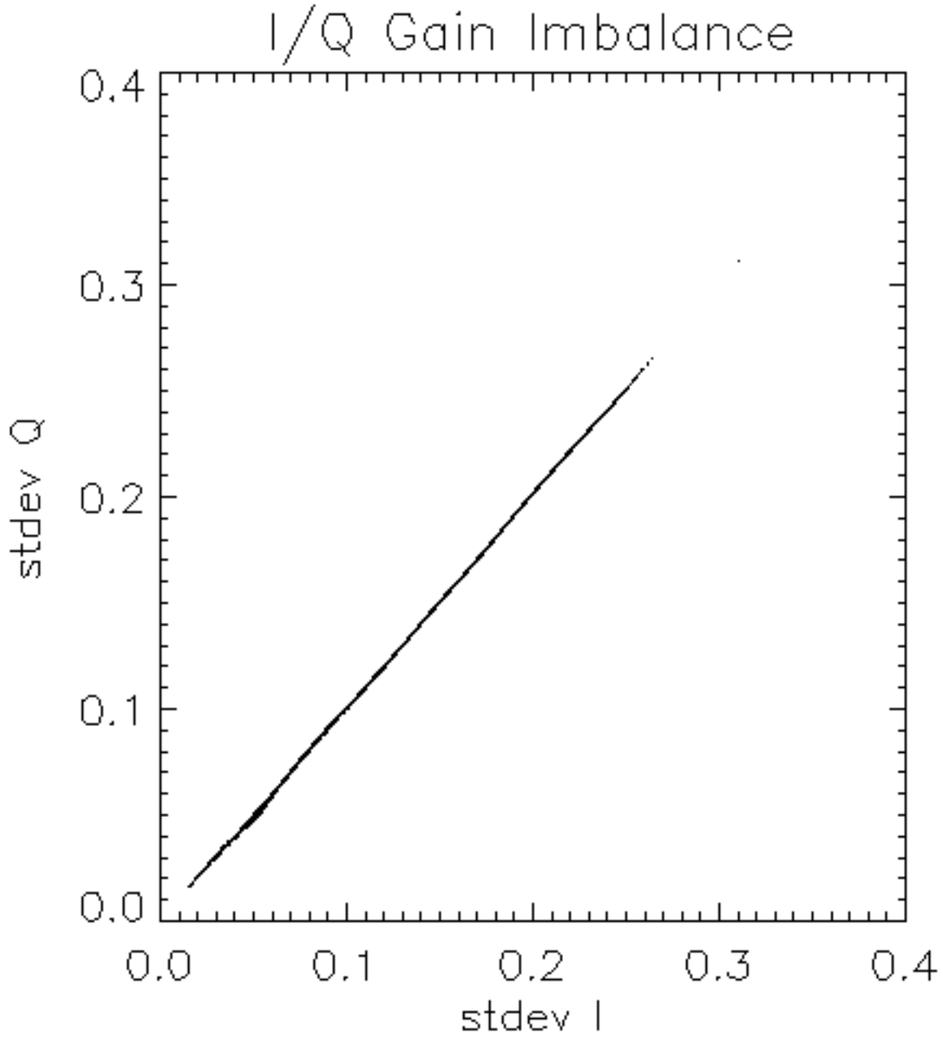
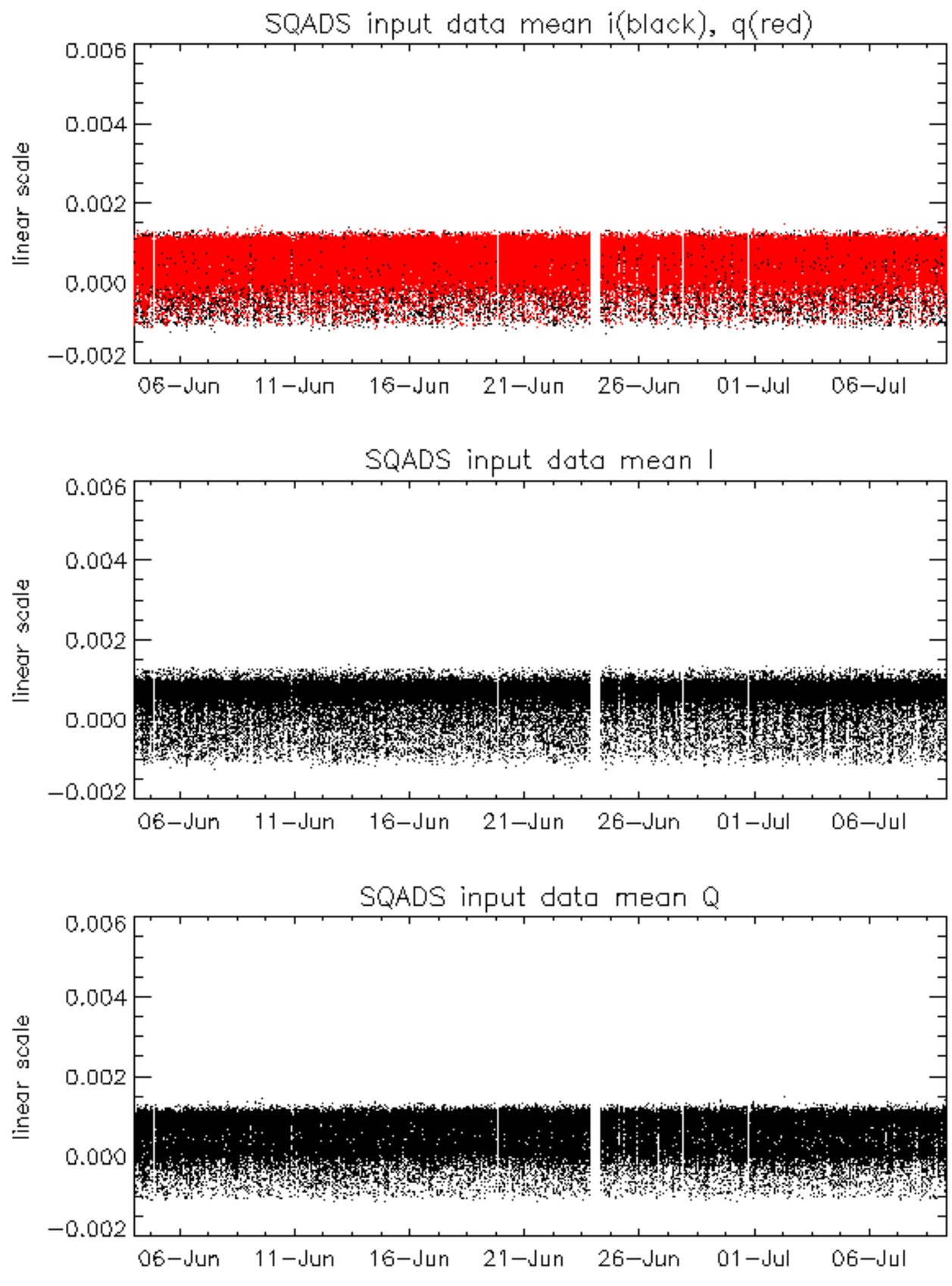
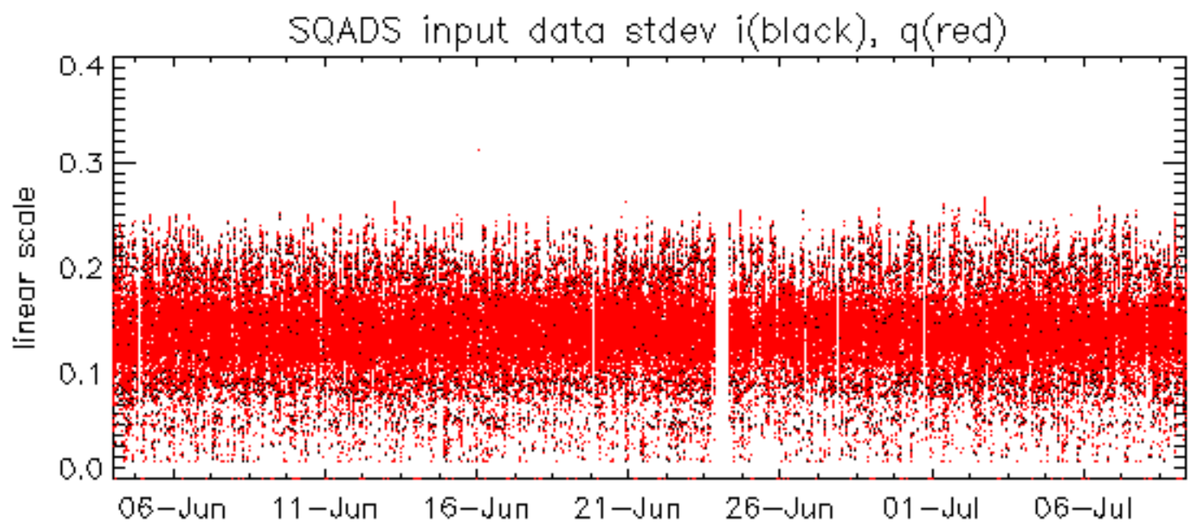
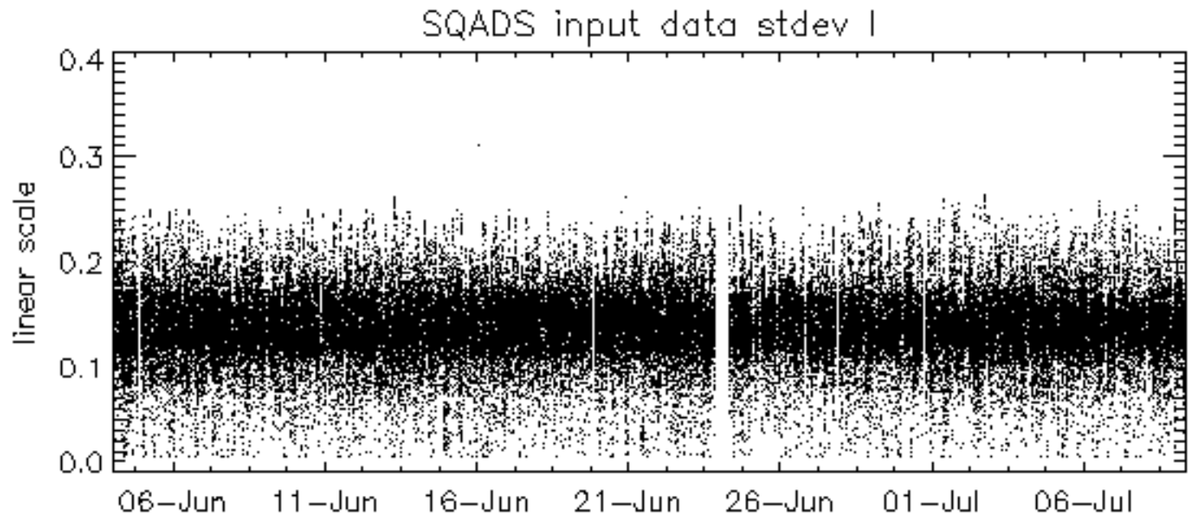

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-08 06:44:07 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

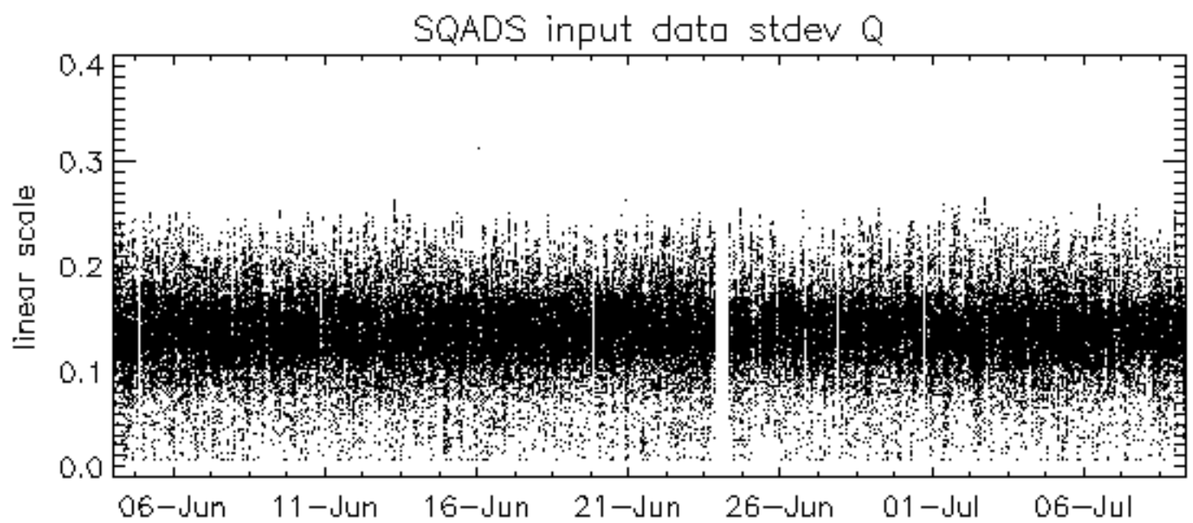

Reference: 2005-09-29 07:47:20 V
RxPhase
Test : 2006-07-08 06:44:07 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

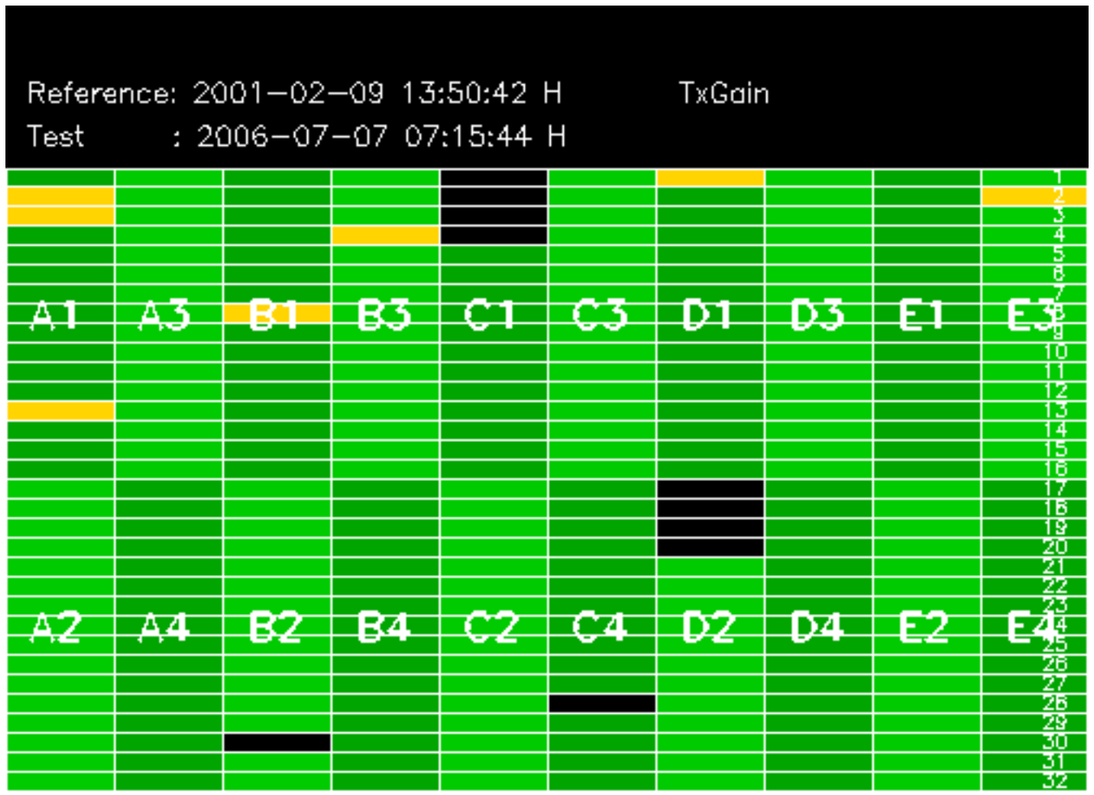

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I


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


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06–Jun
11–Jun
16–Jun
21–Jun
26–Jun
01–Jul
06–Jul


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06–Jun
11–Jun
16–Jun
21–Jun
26–Jun
01–Jul
06–Jul


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-07 07:15:44 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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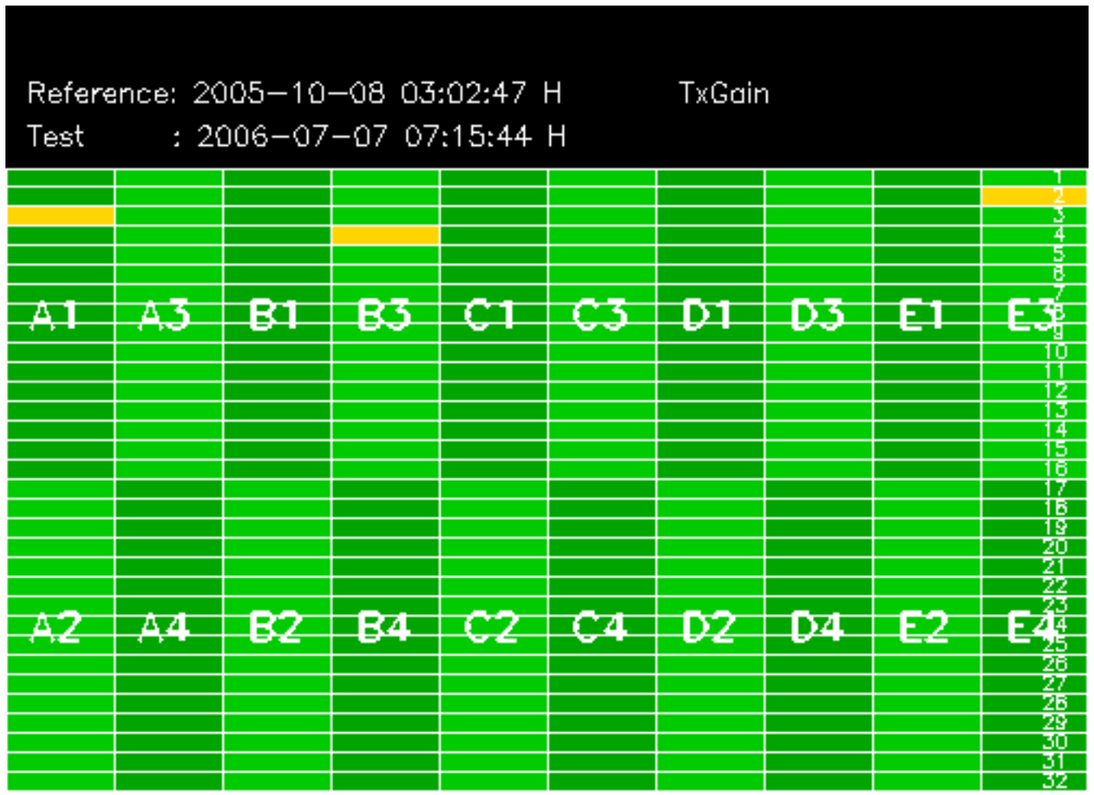
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-07 07:15:44 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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C4
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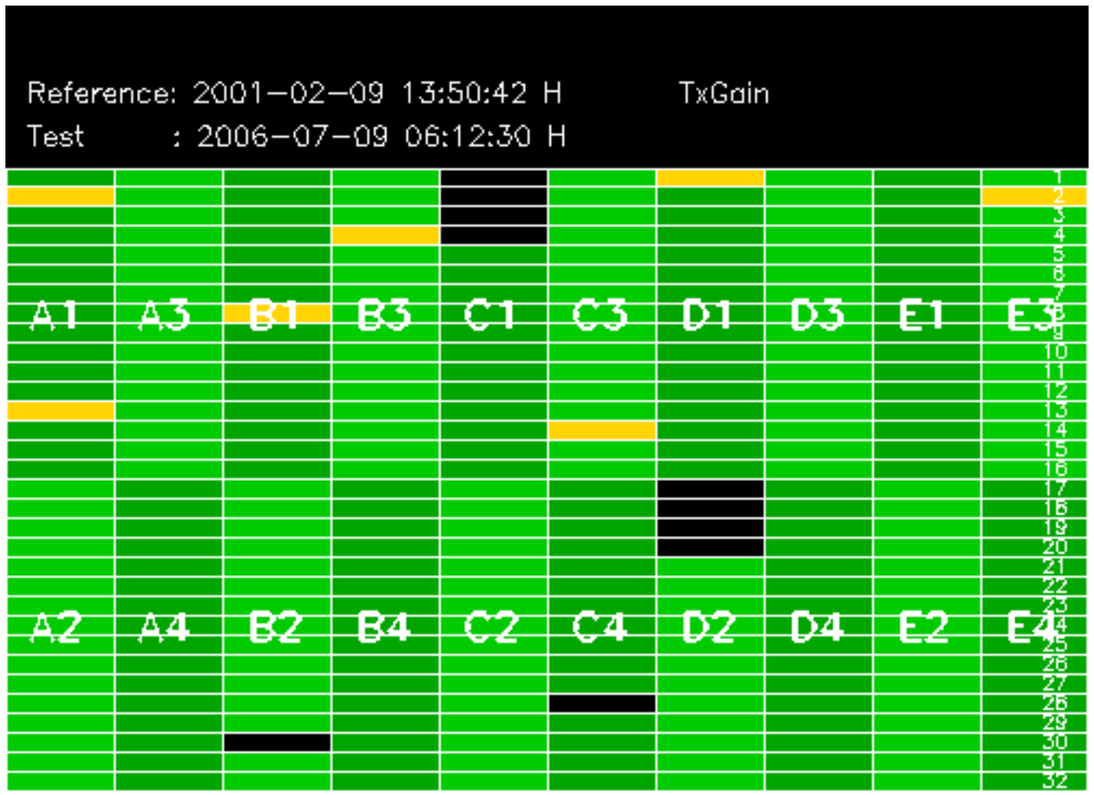
Reference: 2001-02-09 13:50:42 H
Test : 2006-07-09 06:12:30 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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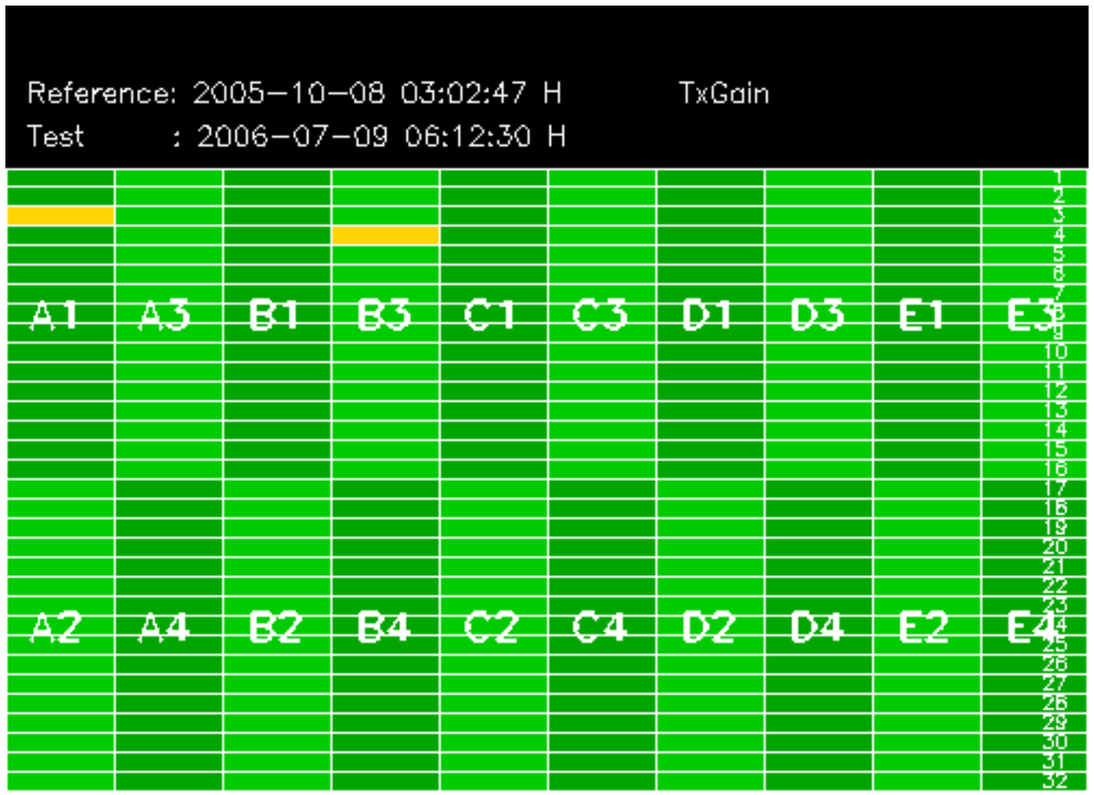
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-09 06:12:30 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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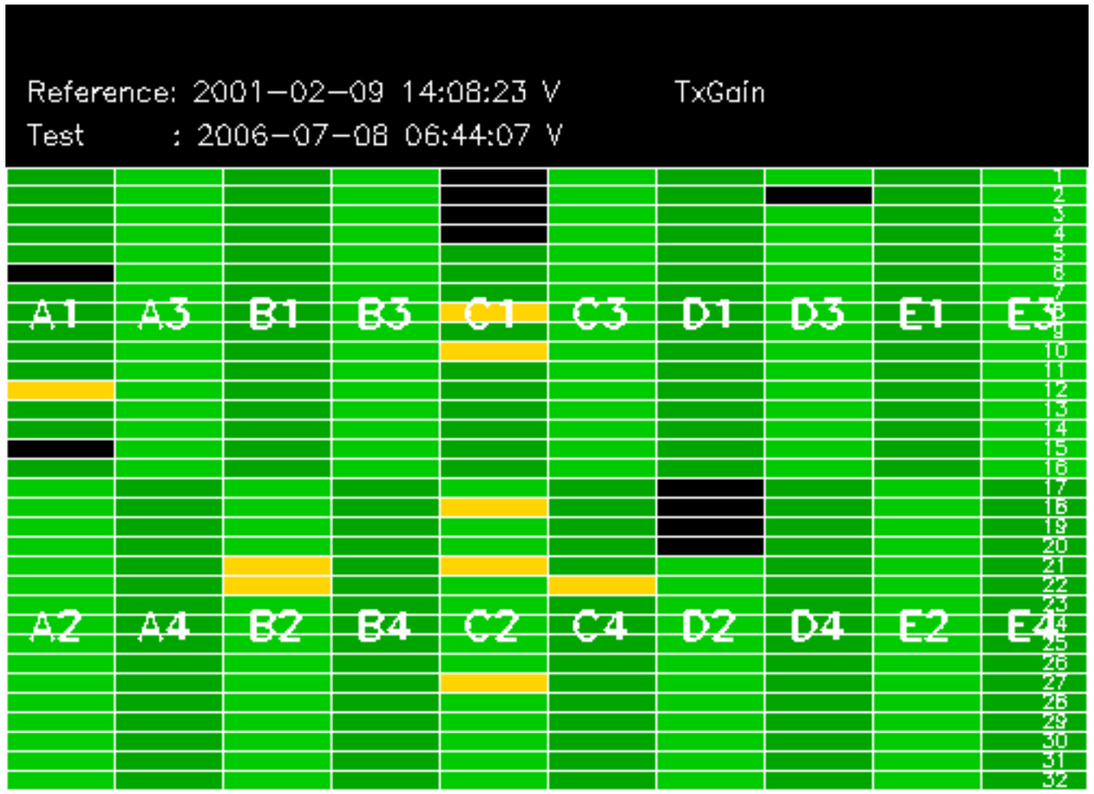
Reference: 2001-02-09 14:08:23 V
Test : 2006-07-08 06:44:07 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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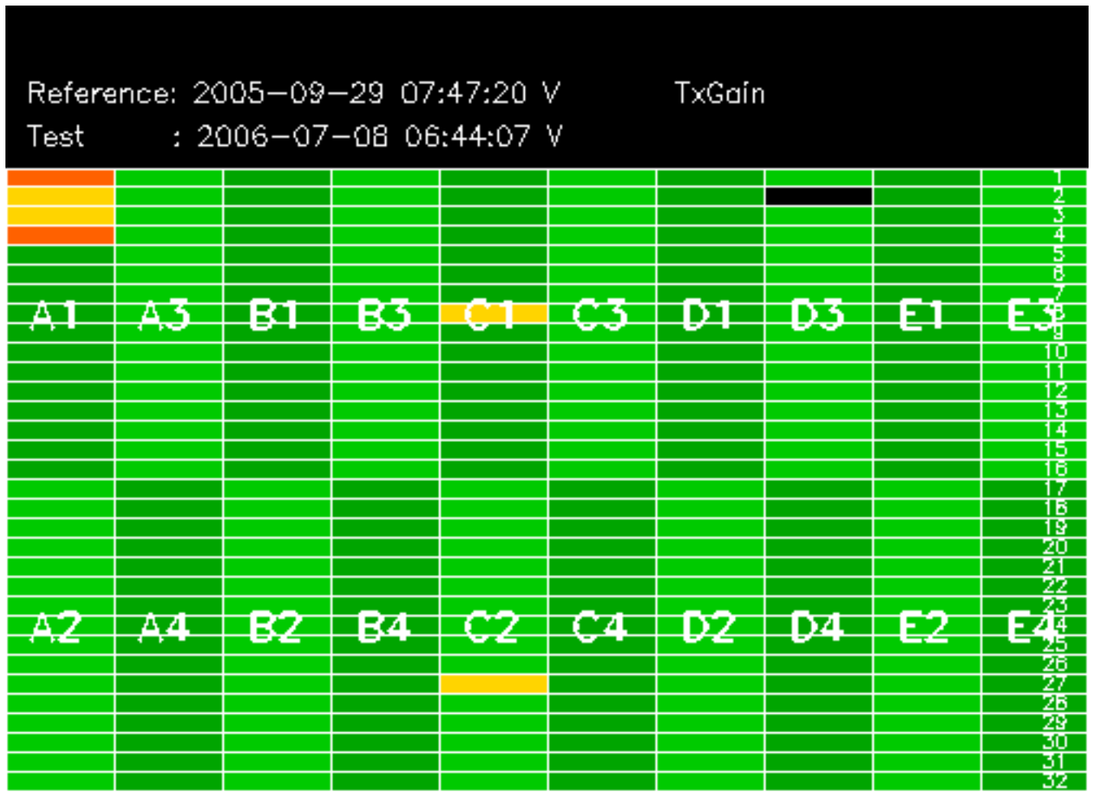
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-08 06:44:07 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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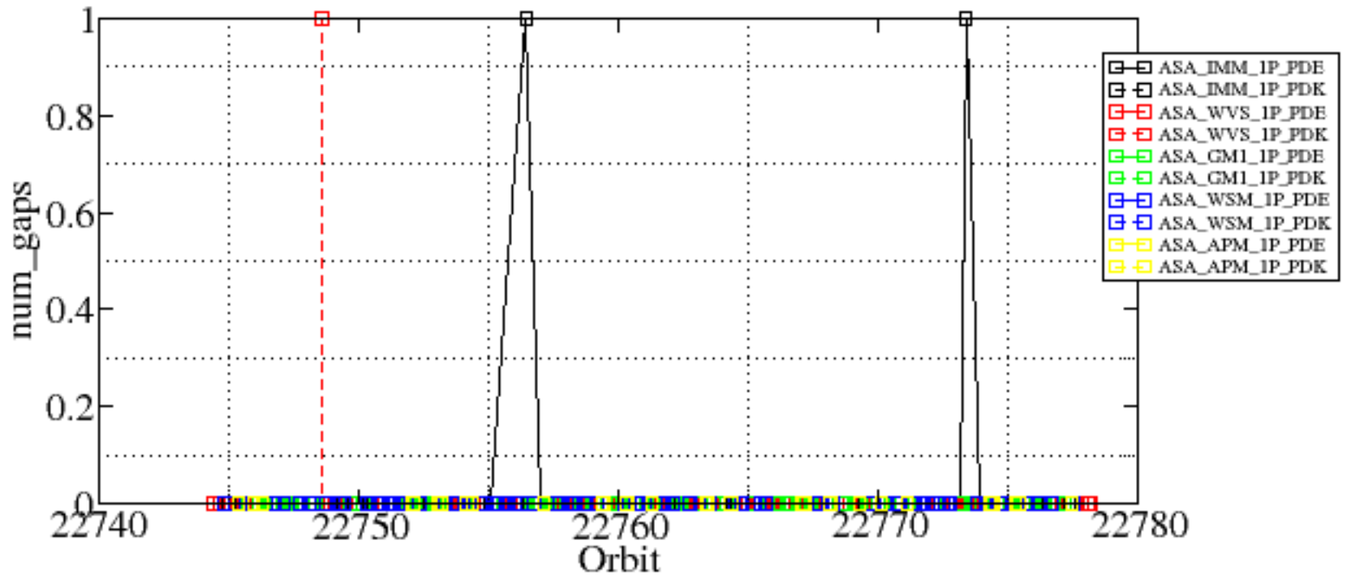
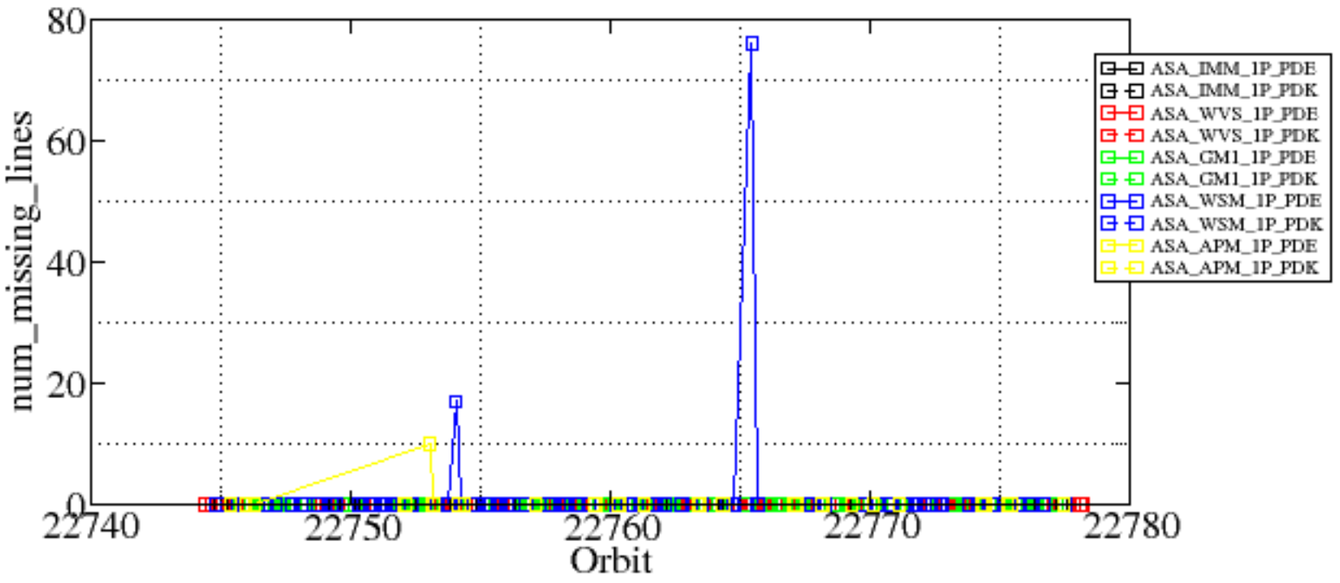
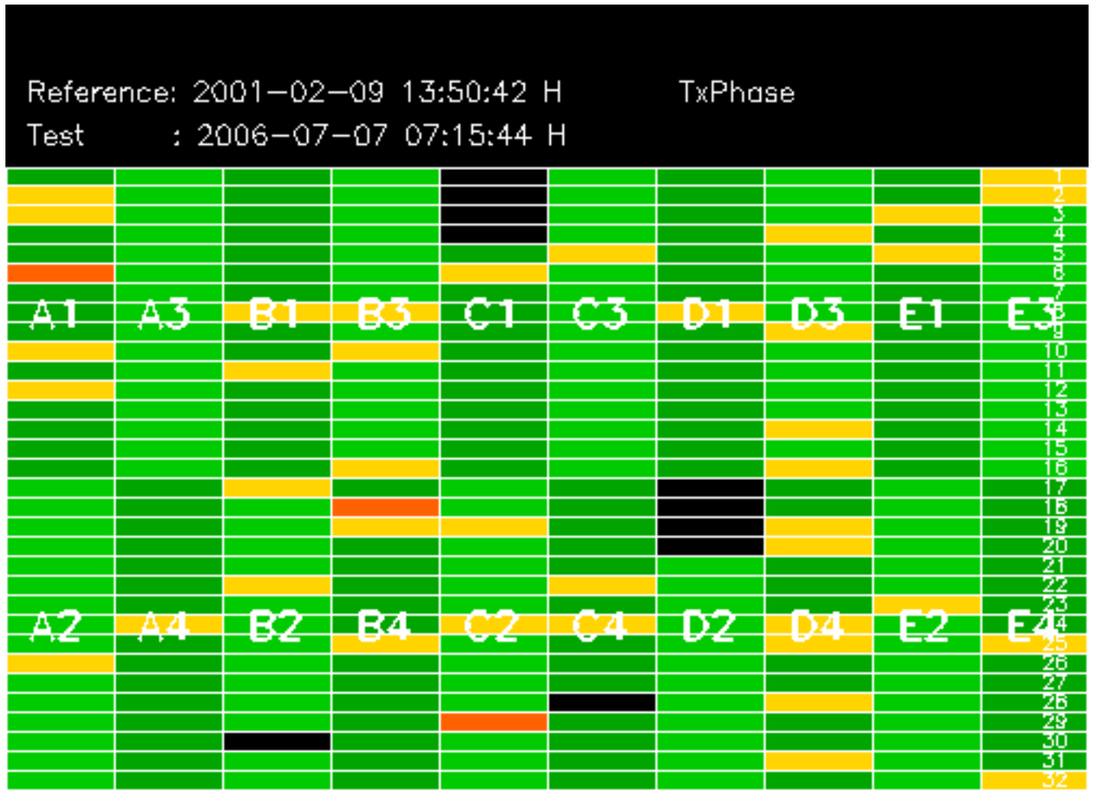
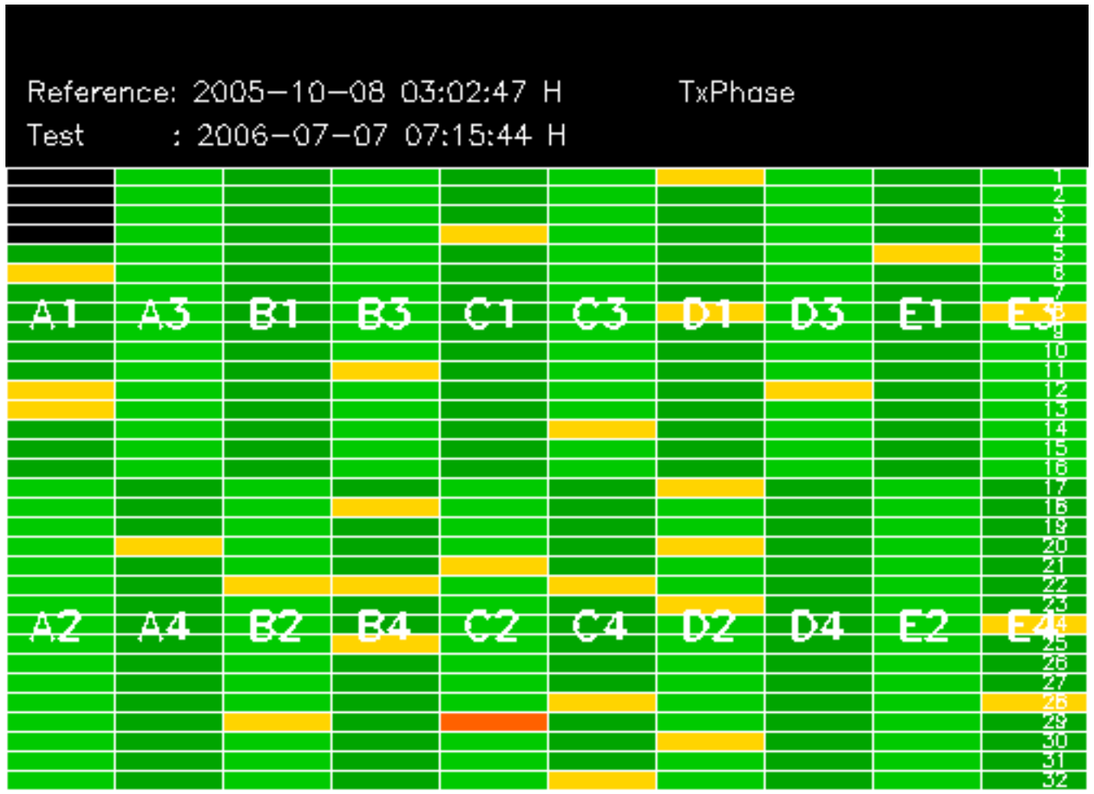
Summary of analysis for the last 3 days 2006070[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060707_201746_000000372049_00157_22756_0467.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060709_004101_000000622049_00174_22773_0517.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20060707_070752_000000002049_00149_22748_0265.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20060707_070752_000000002049_00149_22748_0293.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060707_161735_000002192049_00155_22754_1810.N1 </td> <td>0 </td> <td>17 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060708_112314_000001522049_00166_22765_1970.N1 </td> <td>0 </td> <td>76 </td></tr>
<tr> <td>ASA_APM_1PNPDE20060707_143629_000000852049_00154_22753_0347.N1 </td> <td>0 </td> <td>10 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
22740
22750
22760
22770
22780
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
80
60
40
20
0
22740
22750
22760
22770
22780
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 : 2006-07-07 07:15:44 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-07-07 07:15:44 H
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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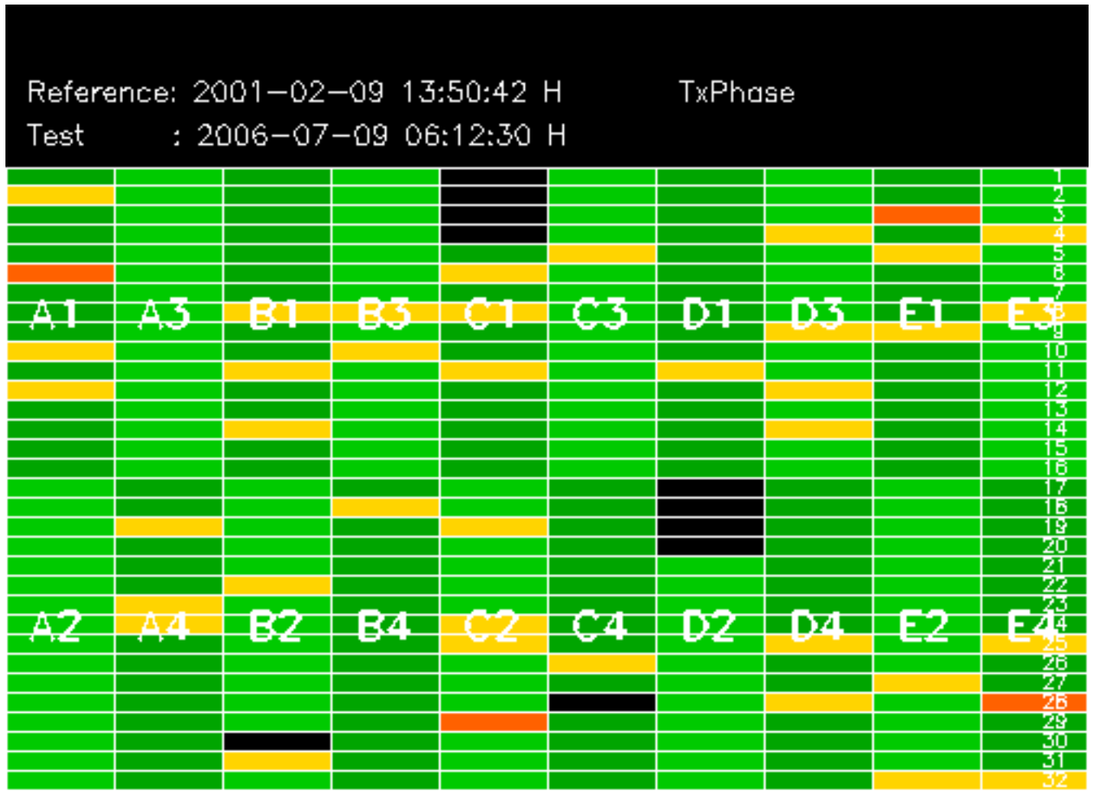
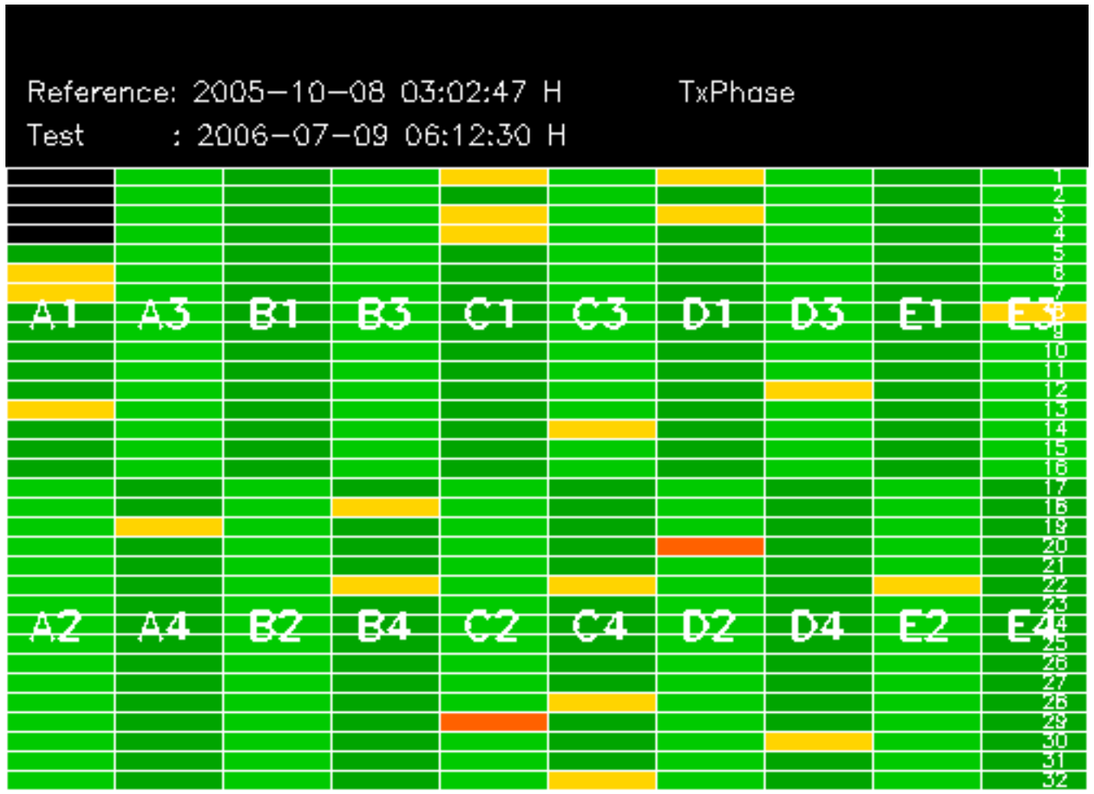

Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-07-09 06:12:30 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-07-09 06:12:30 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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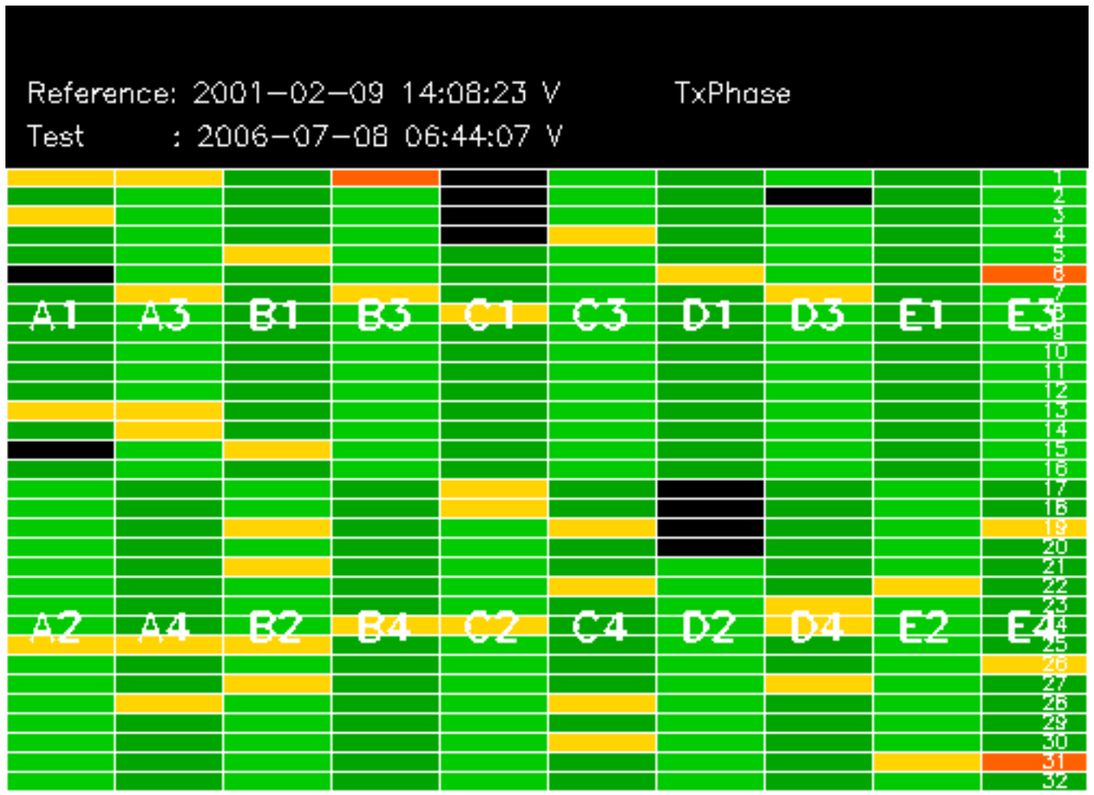
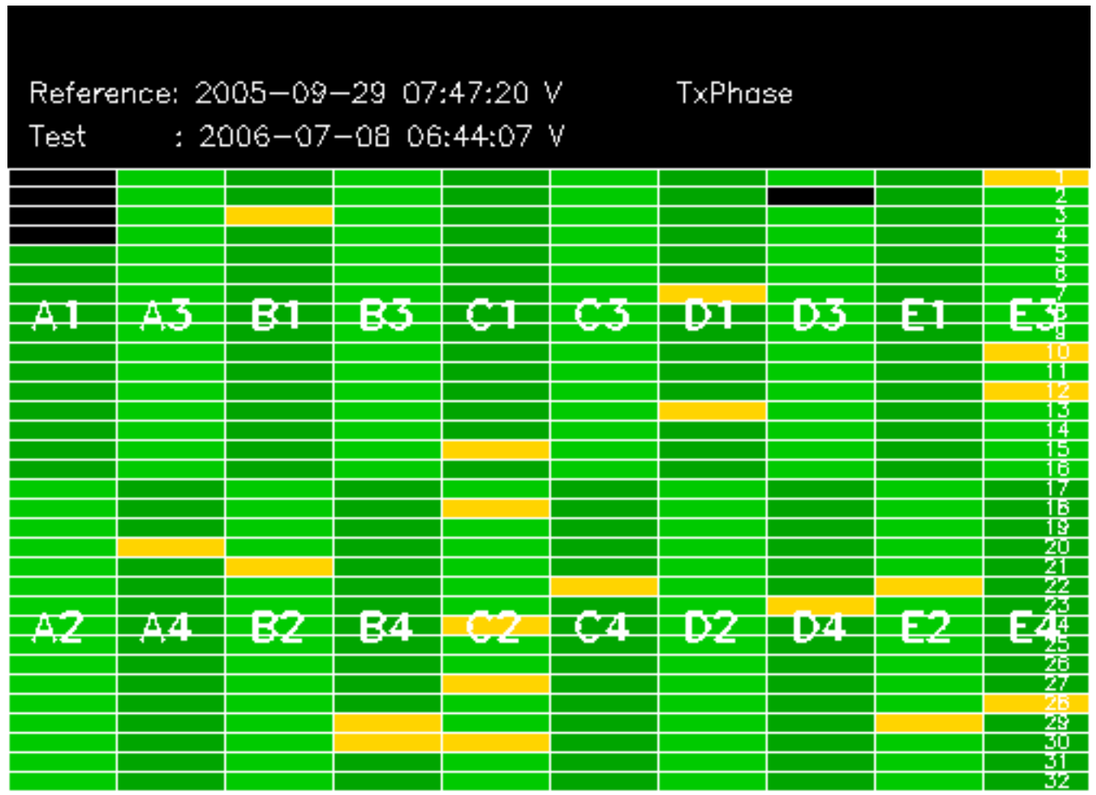

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-08 06:44:07 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-08 06:44:07 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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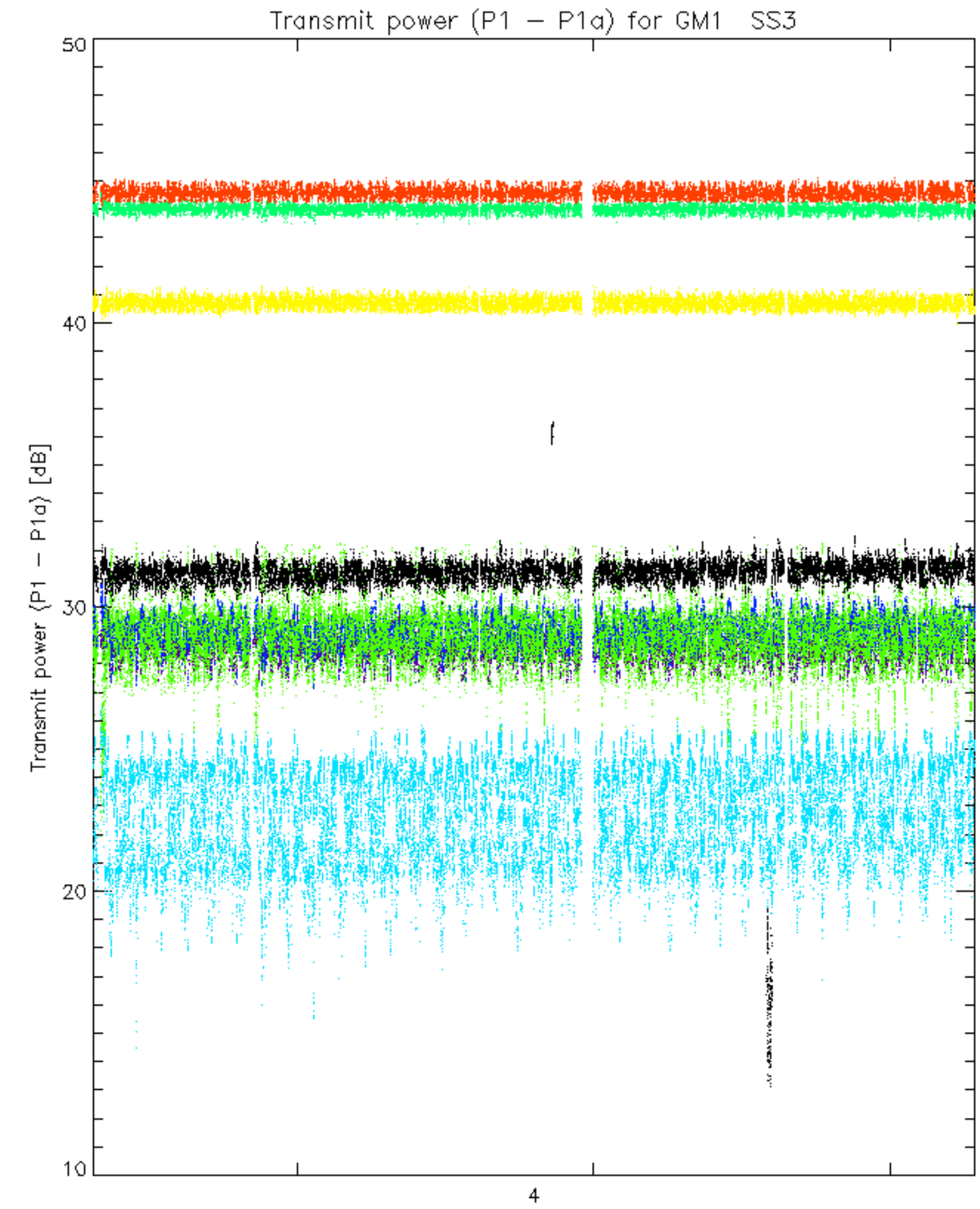
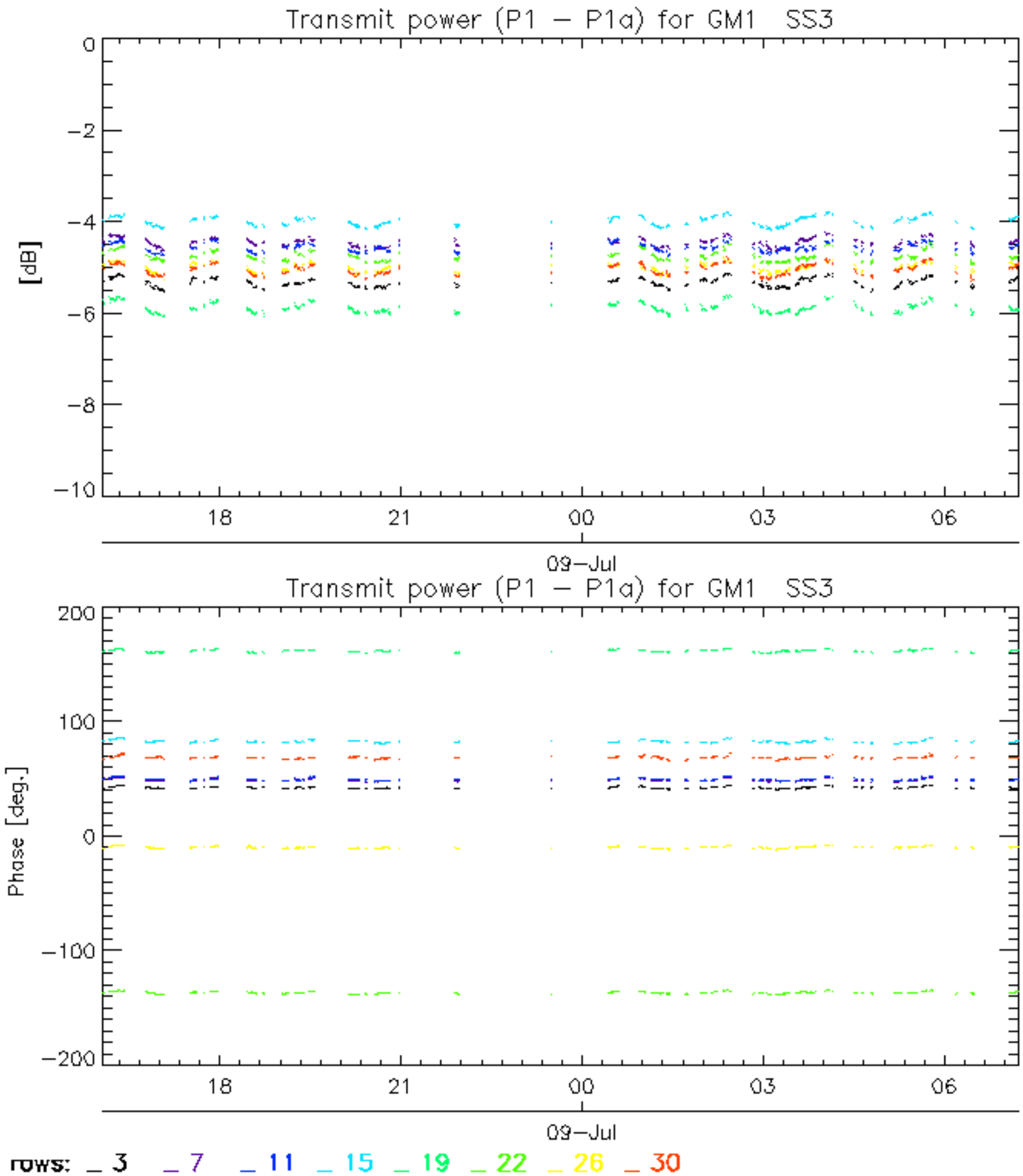
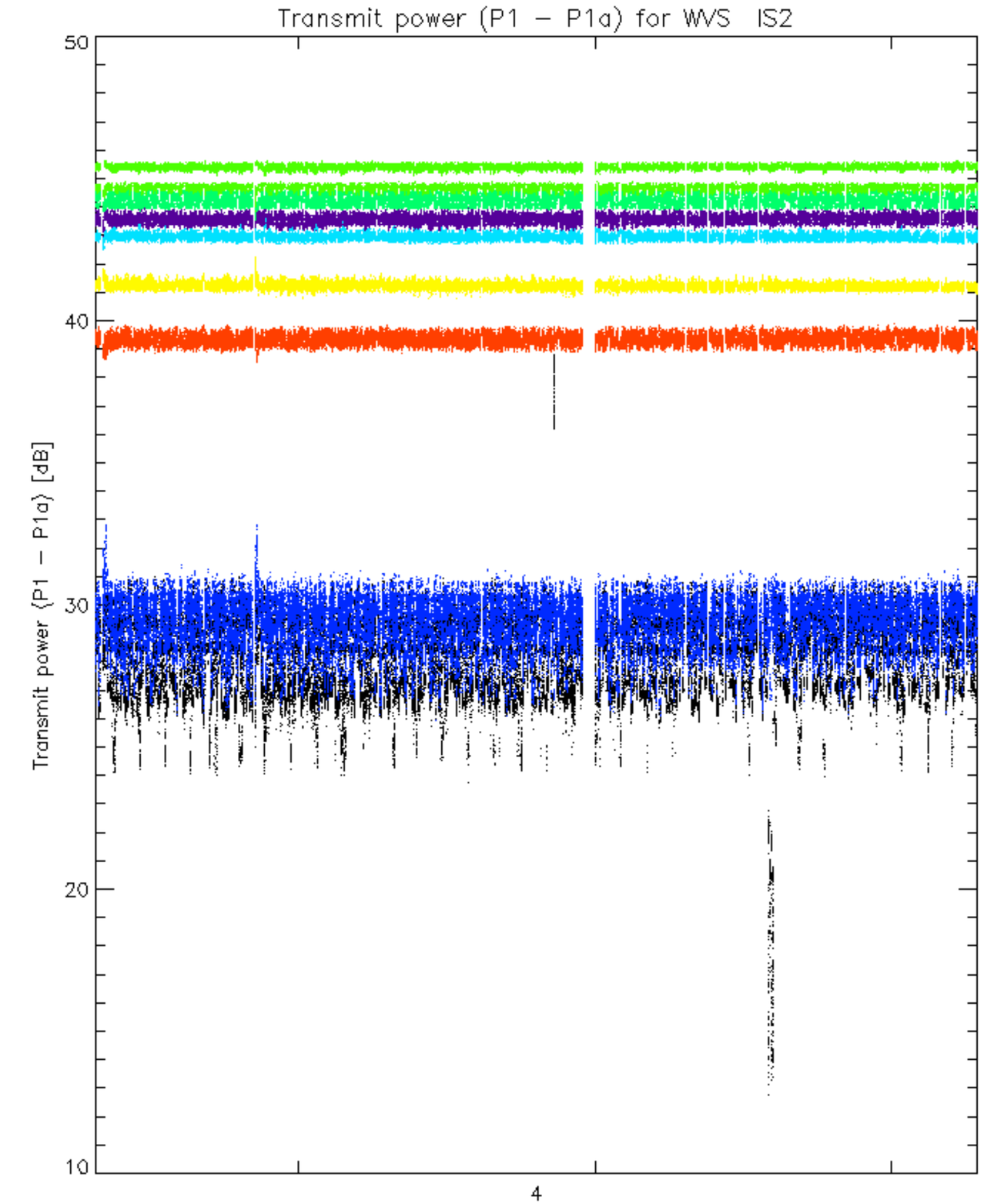
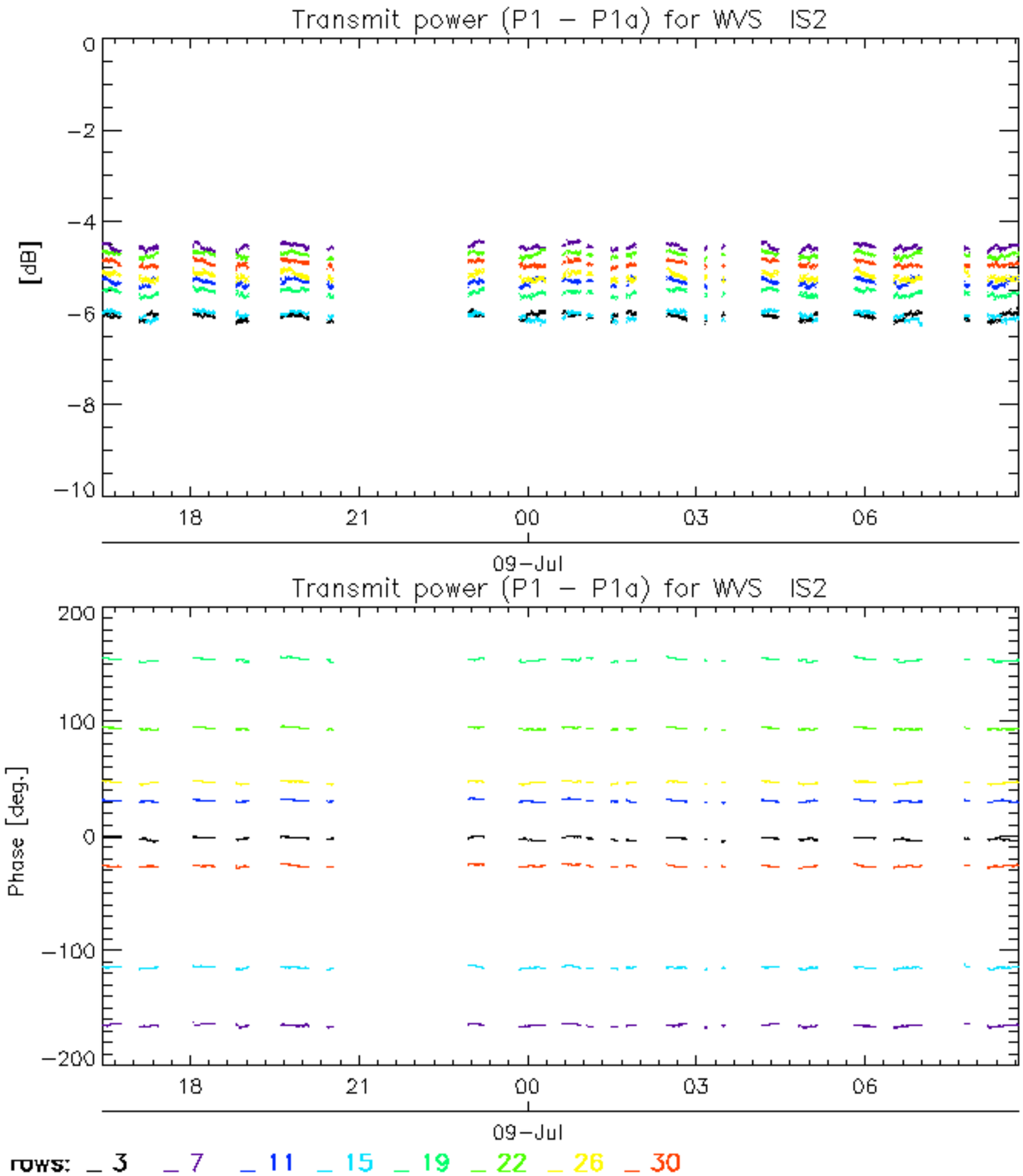

Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
4
Transmit power (P1 – P1a) [dB]
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Transmit power (P1 – P1a) for WVS IS2
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
4
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–Jul
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09–Jul
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.