PRELIMINARY REPORT OF 060702

last update on Sun Jul 2 16:47:25 GMT 2006

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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 2006-07-01 00:00:00 to 2006-07-02 16:47:25

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	40	70	17	0	22
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	40	70	17	0	22
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	40	70	17	0	22
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	70	17	0	22

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	33	45	32	16	73
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	33	45	32	16	73
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	33	45	32	16	73
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	33	45	32	16	73

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	20060702 095348
H	20060701 084449

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	-3.938899	0.047882	-0.035343
7	P1	-3.133834	0.012569	0.025163
11	P1	-4.100989	0.016434	0.015865
15	P1	-6.160908	0.011463	-0.035597
19	P1	-3.366929	0.008650	-0.049959
22	P1	-4.526256	0.011382	-0.048539
26	P1	-3.960187	0.017587	0.034280
30	P1	-5.755619	0.008794	-0.026088
3	P1	-16.534697	0.633094	-0.054234
7	P1	-17.238737	0.110875	0.053030
11	P1	-16.975388	0.280128	-0.037722
15	P1	-13.172005	0.158805	0.036578
19	P1	-14.374542	0.050342	-0.130750
22	P1	-16.135323	0.382587	0.124386
26	P1	-15.182275	0.230113	0.081093
30	P1	-17.144644	0.405363	0.011764

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.094547	0.083535	0.151540
7	P2	-21.989780	0.099729	0.097528
11	P2	-15.837483	0.113457	0.088117
15	P2	-7.154045	0.096726	0.011342
19	P2	-9.164527	0.088393	0.036743
22	P2	-18.168665	0.084494	0.001255
26	P2	-16.409744	0.090284	-0.009877
30	P2	-19.551733	0.089489	0.010280

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.184648	0.003759	-0.004411
7	P3	-8.184648	0.003759	-0.004411
11	P3	-8.184648	0.003759	-0.004411
15	P3	-8.184648	0.003759	-0.004411
19	P3	-8.184648	0.003759	-0.004411
22	P3	-8.184648	0.003759	-0.004411
26	P3	-8.184648	0.003759	-0.004411
30	P3	-8.184648	0.003759	-0.004411

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	-3.805394	0.066570	-0.011196
7	P1	-2.575122	0.008637	0.038619
11	P1	-2.856999	0.013576	0.003153
15	P1	-3.528790	0.027804	-0.053529
19	P1	-3.413750	0.014391	-0.018113
22	P1	-5.085631	0.019846	-0.007951
26	P1	-5.857939	0.016209	-0.020345
30	P1	-5.191034	0.026555	-0.005778
3	P1	-11.623362	0.177724	0.027181
7	P1	-9.981687	0.033107	0.016772
11	P1	-10.237671	0.059386	0.003412
15	P1	-10.699368	0.130220	-0.082852
19	P1	-15.539233	0.078497	-0.014907
22	P1	-20.945492	1.161971	-0.020584
26	P1	-16.432409	0.340768	0.110358
30	P1	-17.870329	0.378446	0.072806

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.765141	0.075105	0.197482
7	P2	-22.462976	0.131841	0.061491
11	P2	-11.116631	0.048380	0.099727
15	P2	-4.922037	0.048898	-0.016153
19	P2	-6.882317	0.053555	-0.005147
22	P2	-8.207307	0.042908	0.000332
26	P2	-24.165751	0.069462	-0.071300
30	P2	-22.049278	0.055790	0.042638

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.019987	0.004543	-0.004659
7	P3	-8.020154	0.004525	-0.004558
11	P3	-8.020035	0.004544	-0.004523
15	P3	-8.019981	0.004546	-0.004452
19	P3	-8.020004	0.004547	-0.004402
22	P3	-8.020108	0.004534	-0.004304
26	P3	-8.020170	0.004544	-0.004516
30	P3	-8.020032	0.004519	-0.004574

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	0.000566648
	stdev	1.68016e-07
MEAN Q	mean	0.000528535
	stdev	2.19367e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137529
	stdev	0.00116408
STDEV Q	mean	0.137892
	stdev	0.00118195

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006070[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_1PNPDE20060701_005030_000002372049_00059_22658_0198.N1	1	0
ASA_IMM_1PNPDE20060701_065011_000000362049_00063_22662_0225.N1	1	0
ASA_IMM_1PNPDE20060701_111215_000000512049_00066_22665_0227.N1	1	0
ASA_WSM_1PNPDE20060702_010810_000001092049_00074_22673_0824.N1	0	64

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

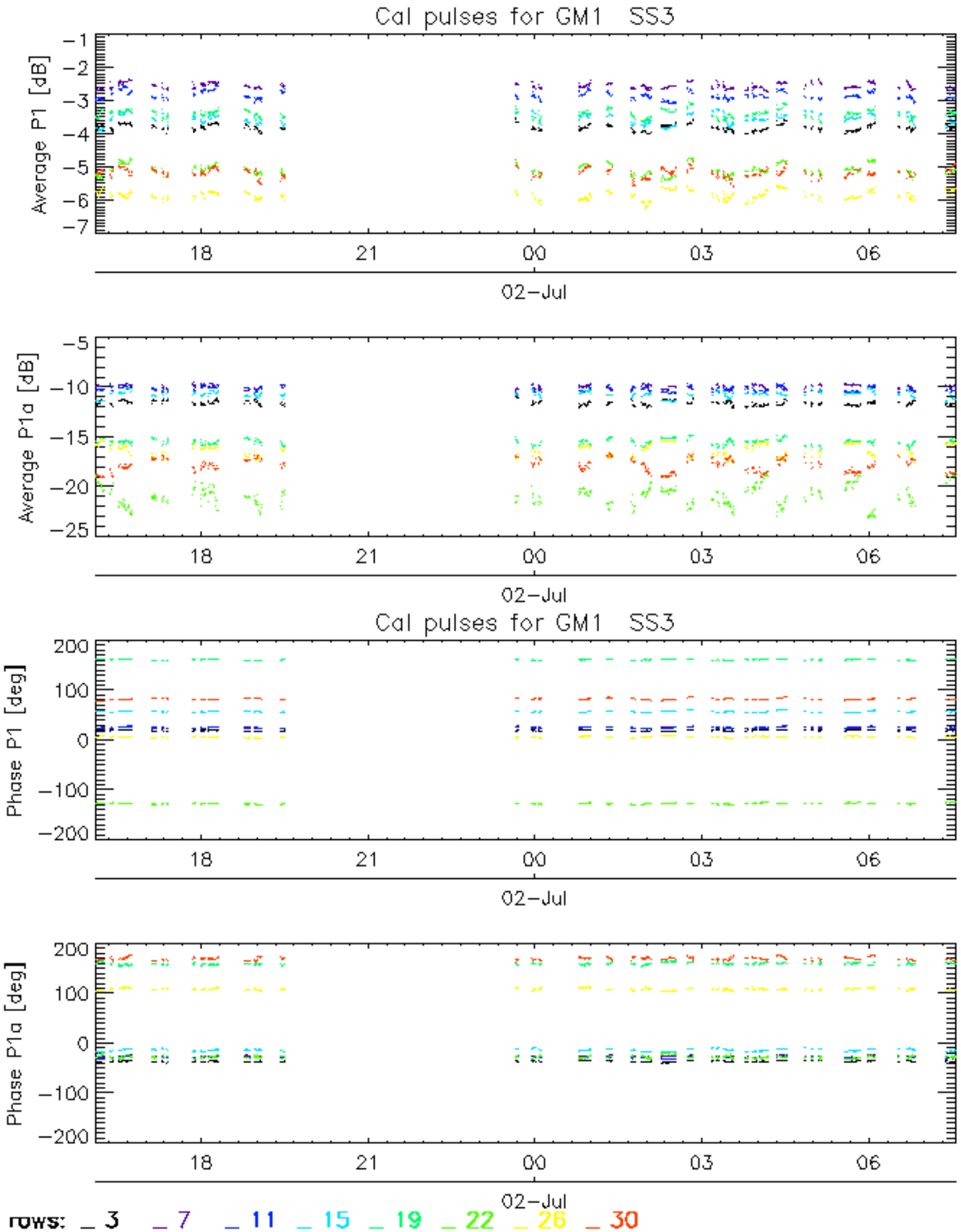
Descending

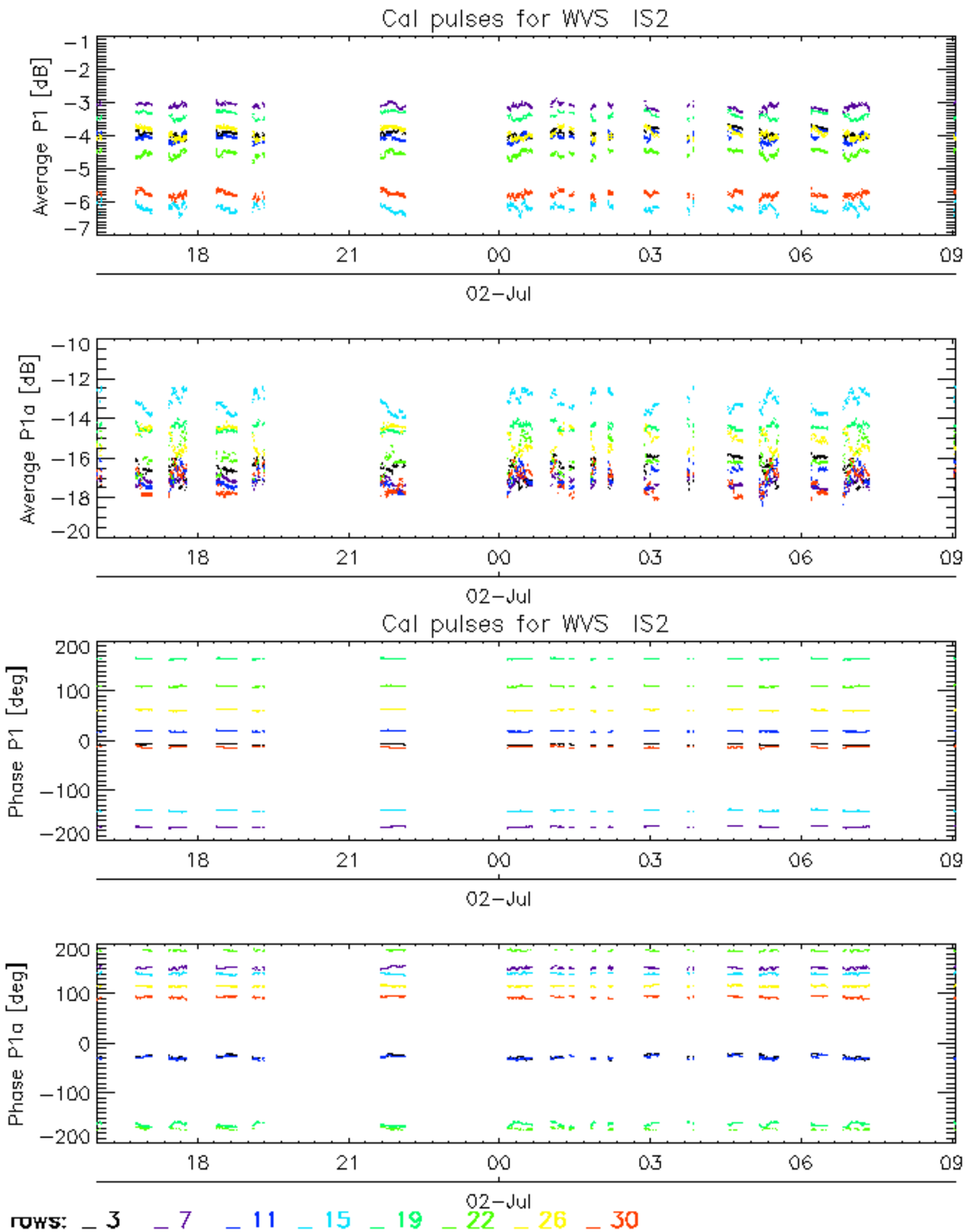
7.5 - Absolute Doppler for GM1

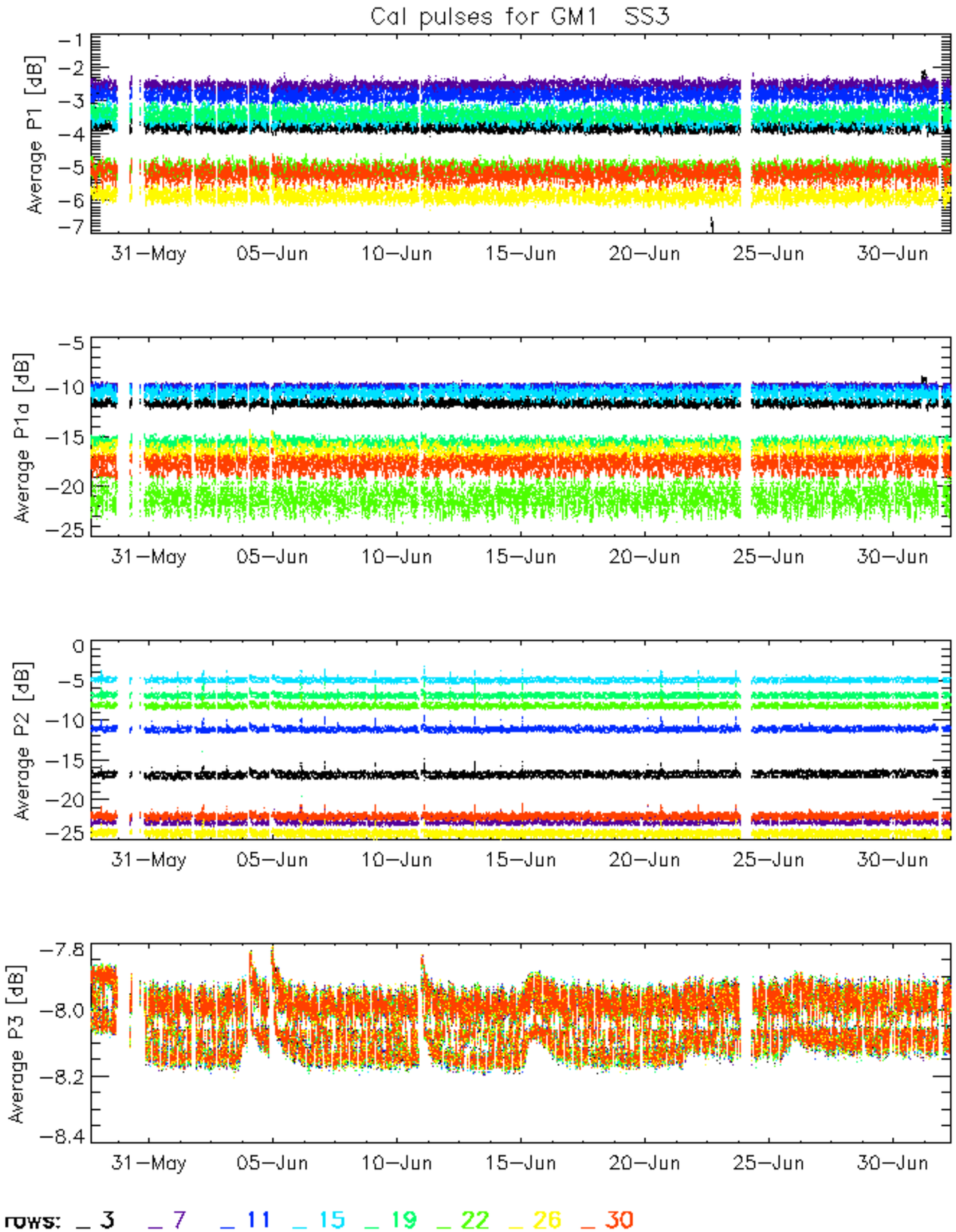
Evolution of Absolute Doppler
Acsending
Descending

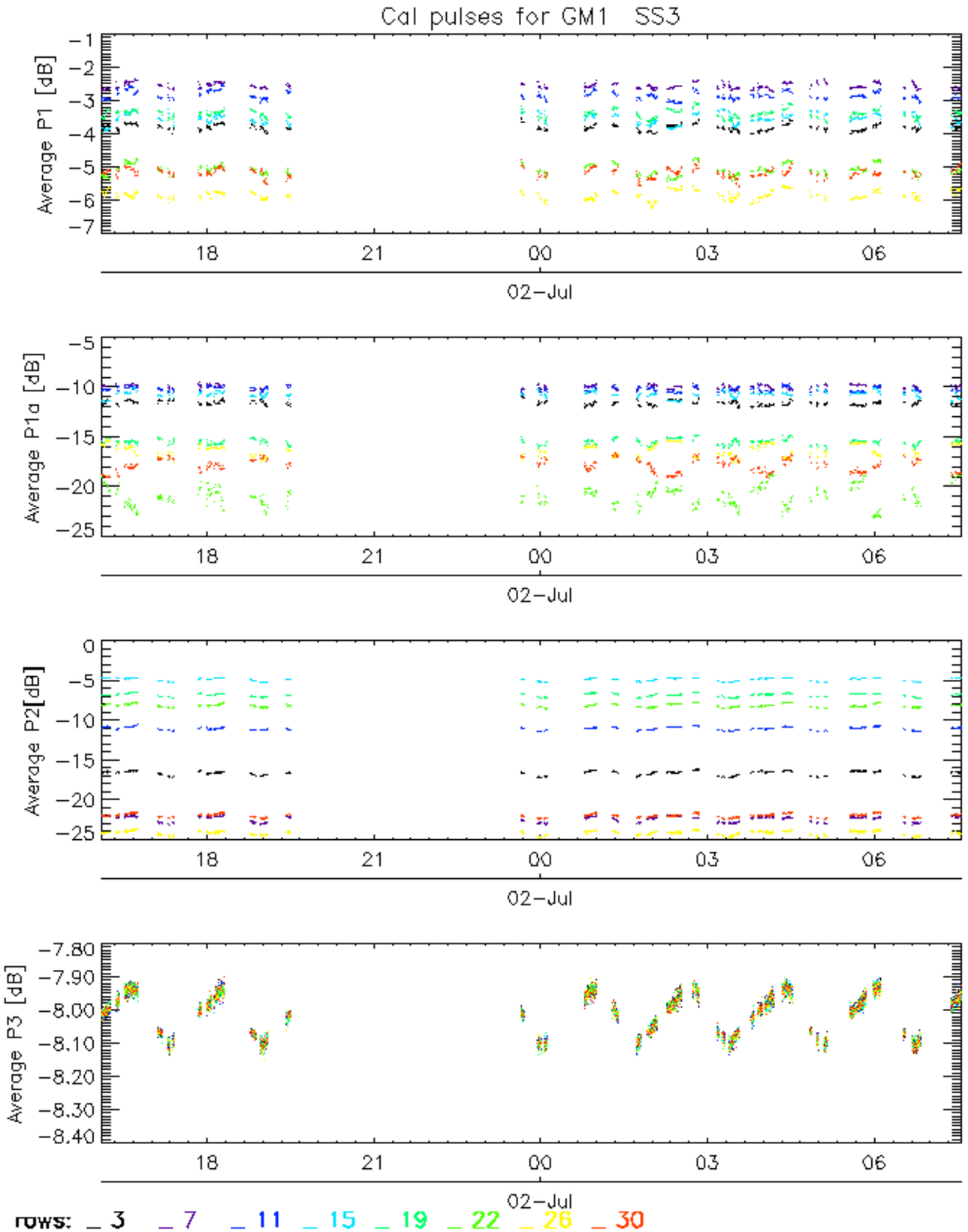
7.6 - Doppler evolution versus ANX for GM1

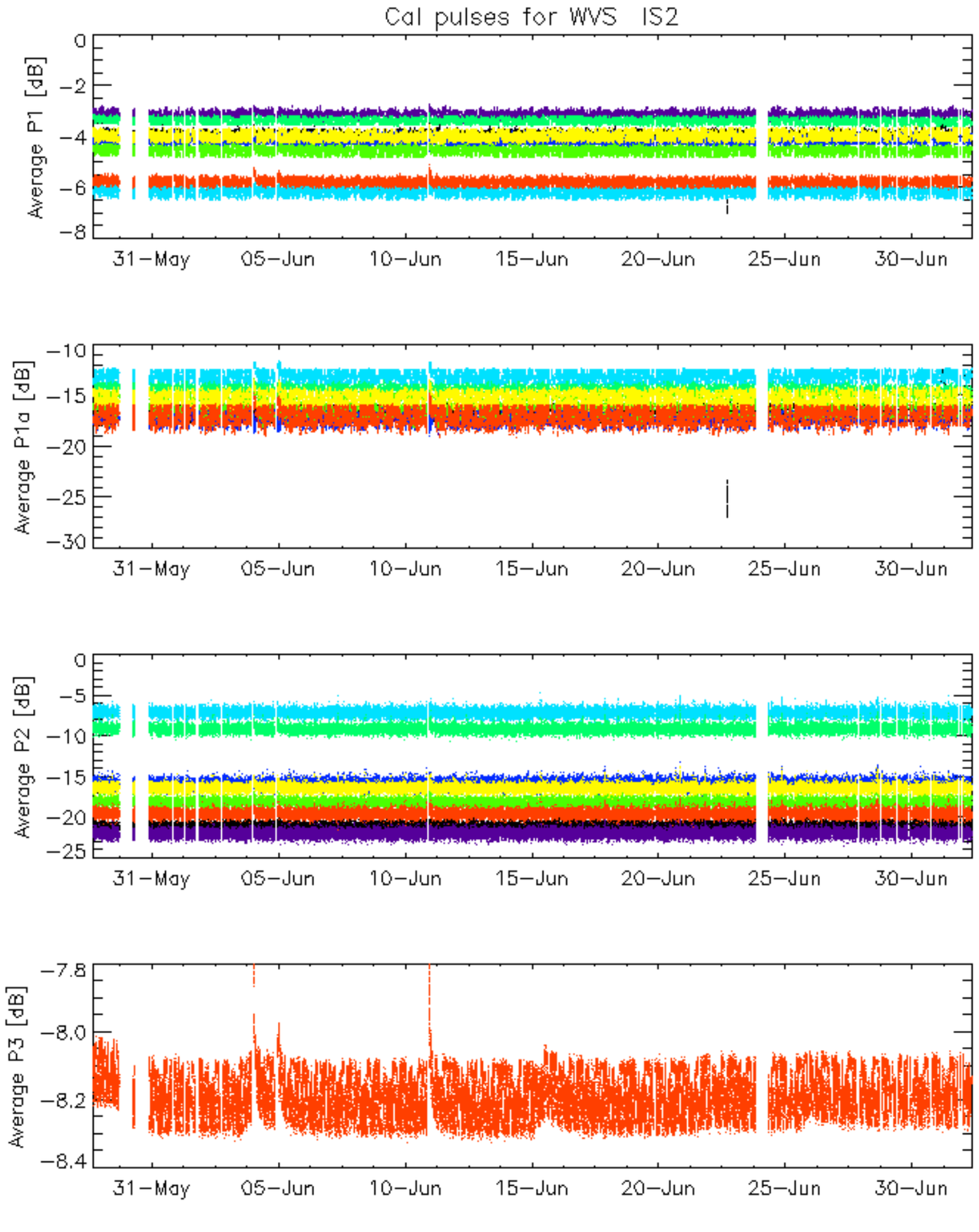
Evolution Doppler error versus ANX

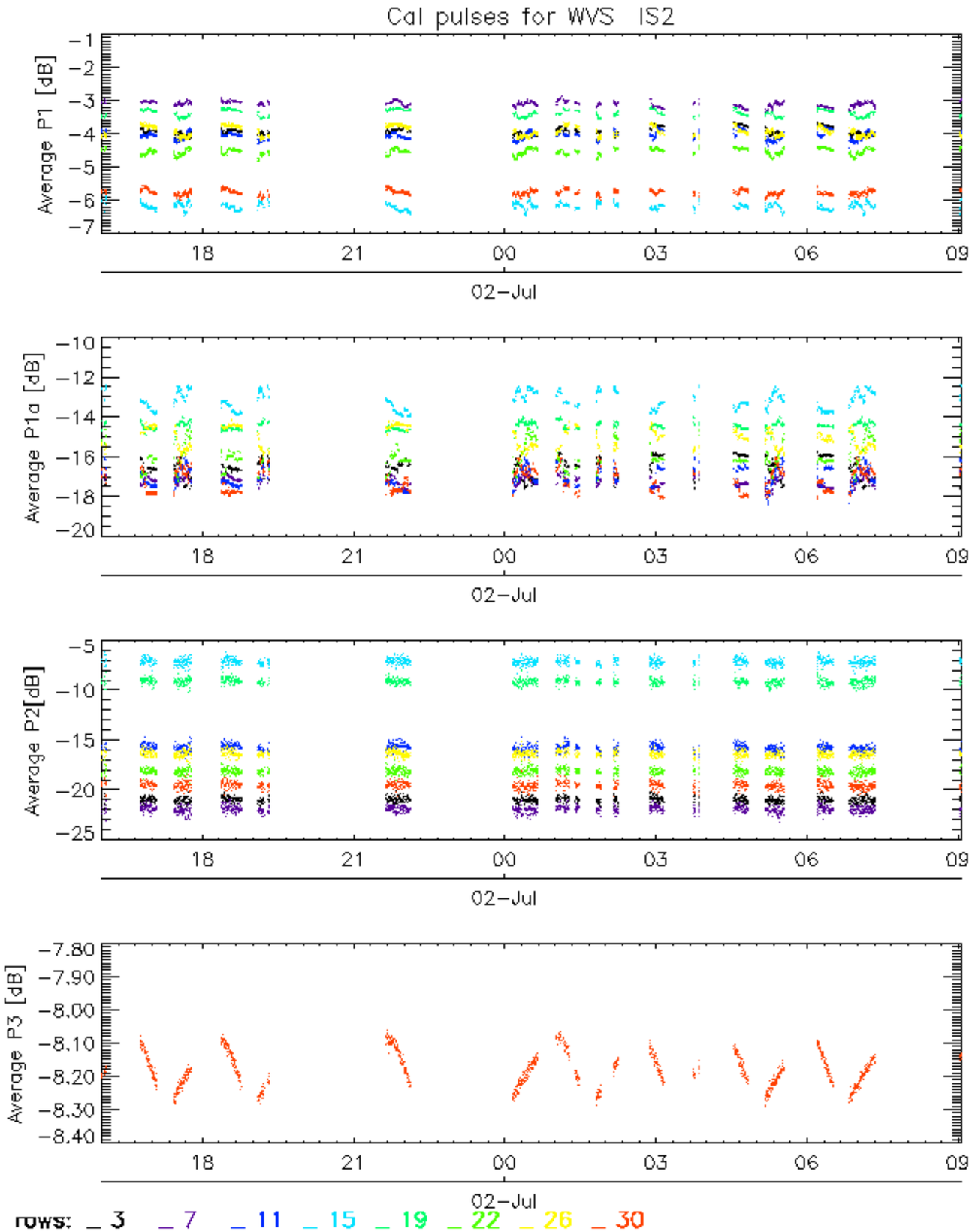

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
02−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
02−Jul
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
02−Jul
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
02−Jul
rows: _ 3 _ 7 _ 11 _ 15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

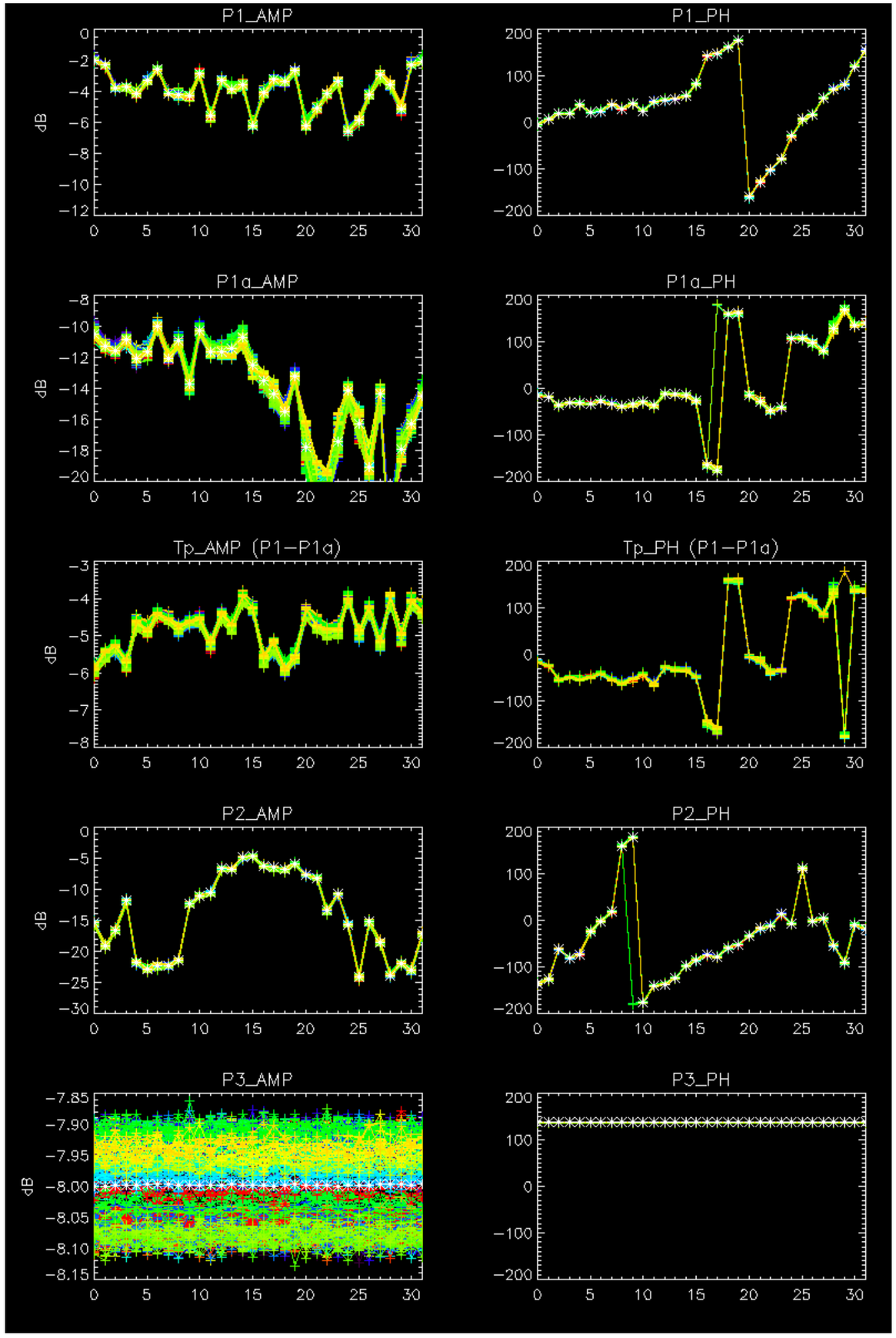

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

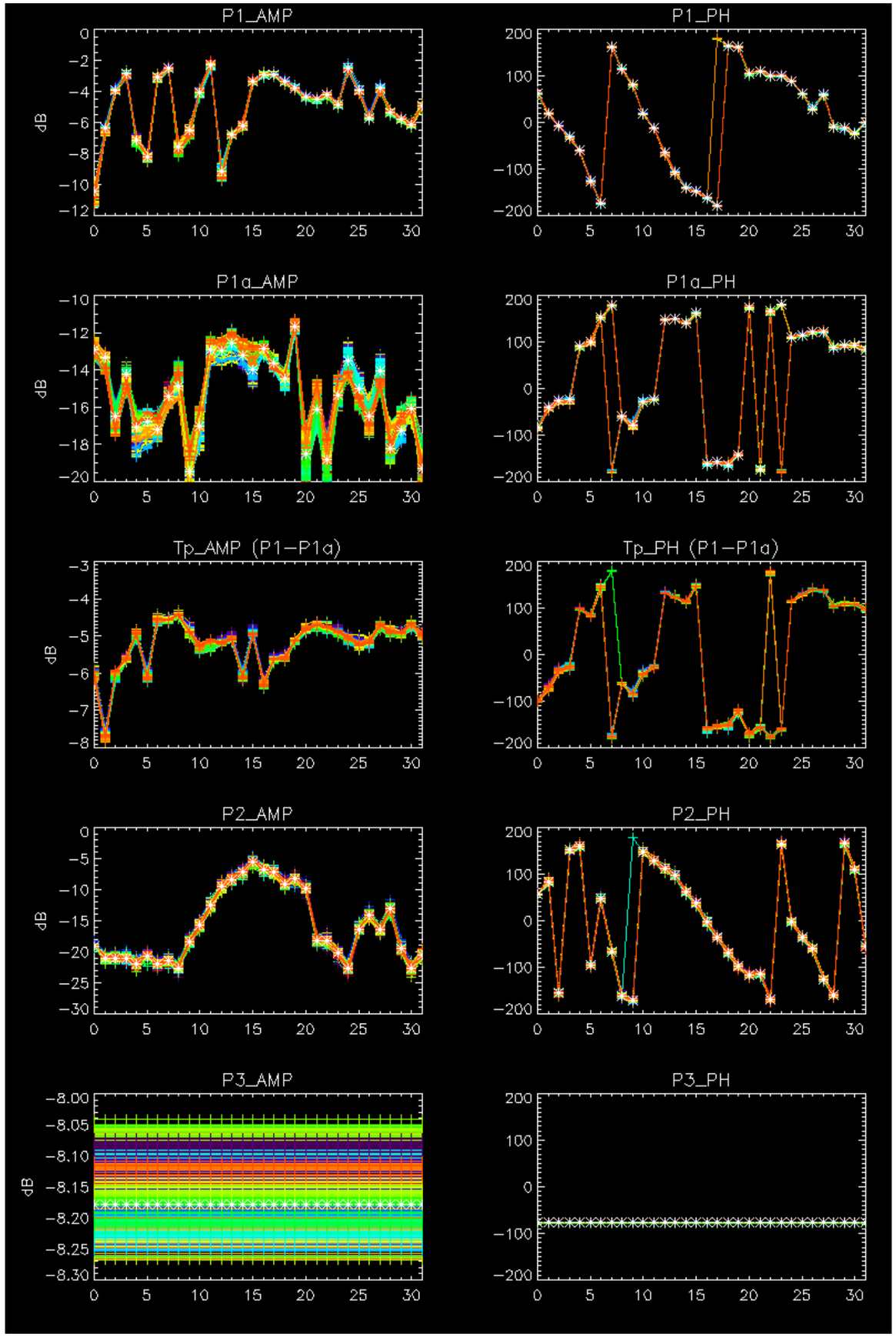

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
02−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
02−Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
02−Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
02−Jul
rows: _ 3 _ 7 _ 11 _ 15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


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

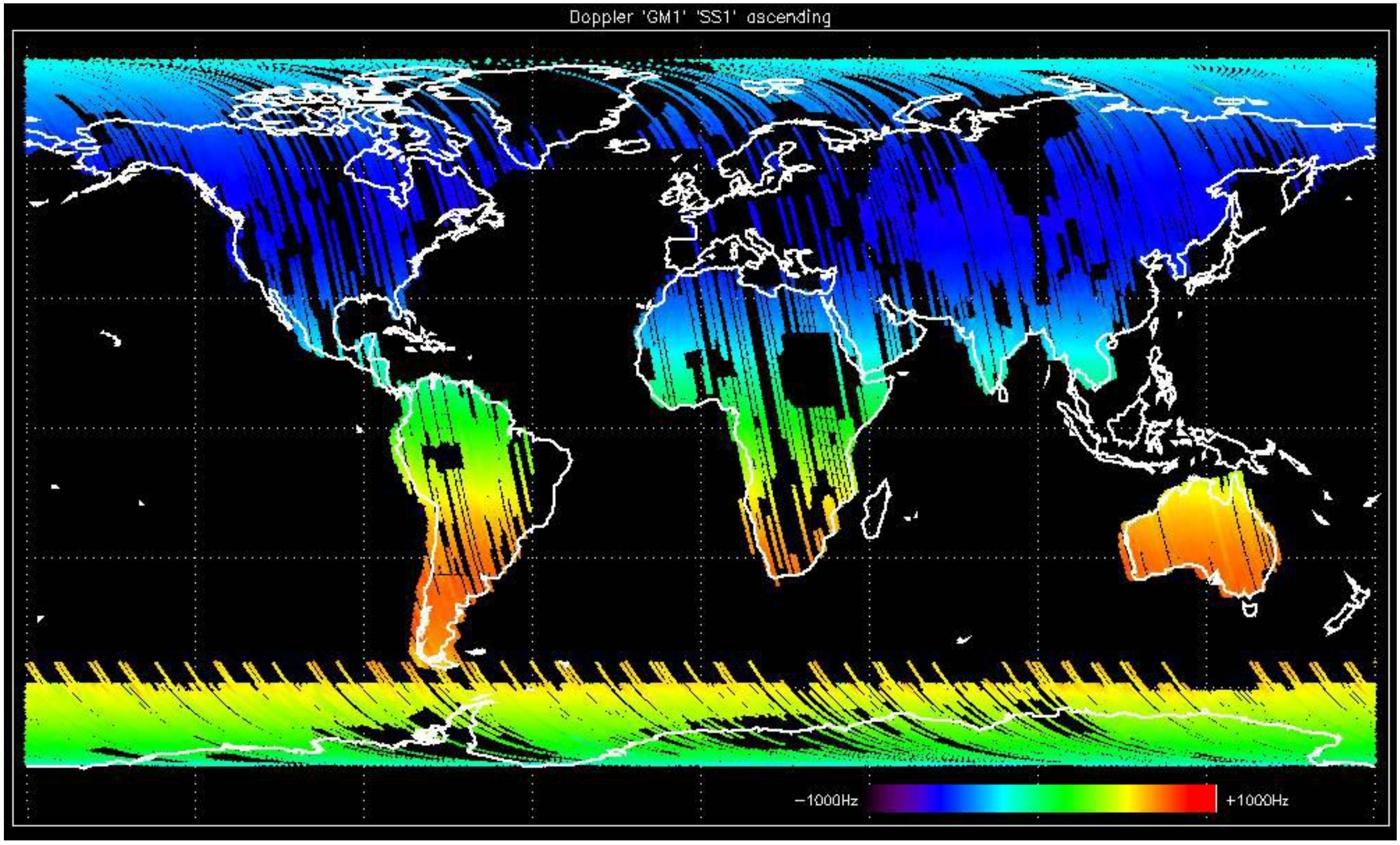
No anomalies observed.

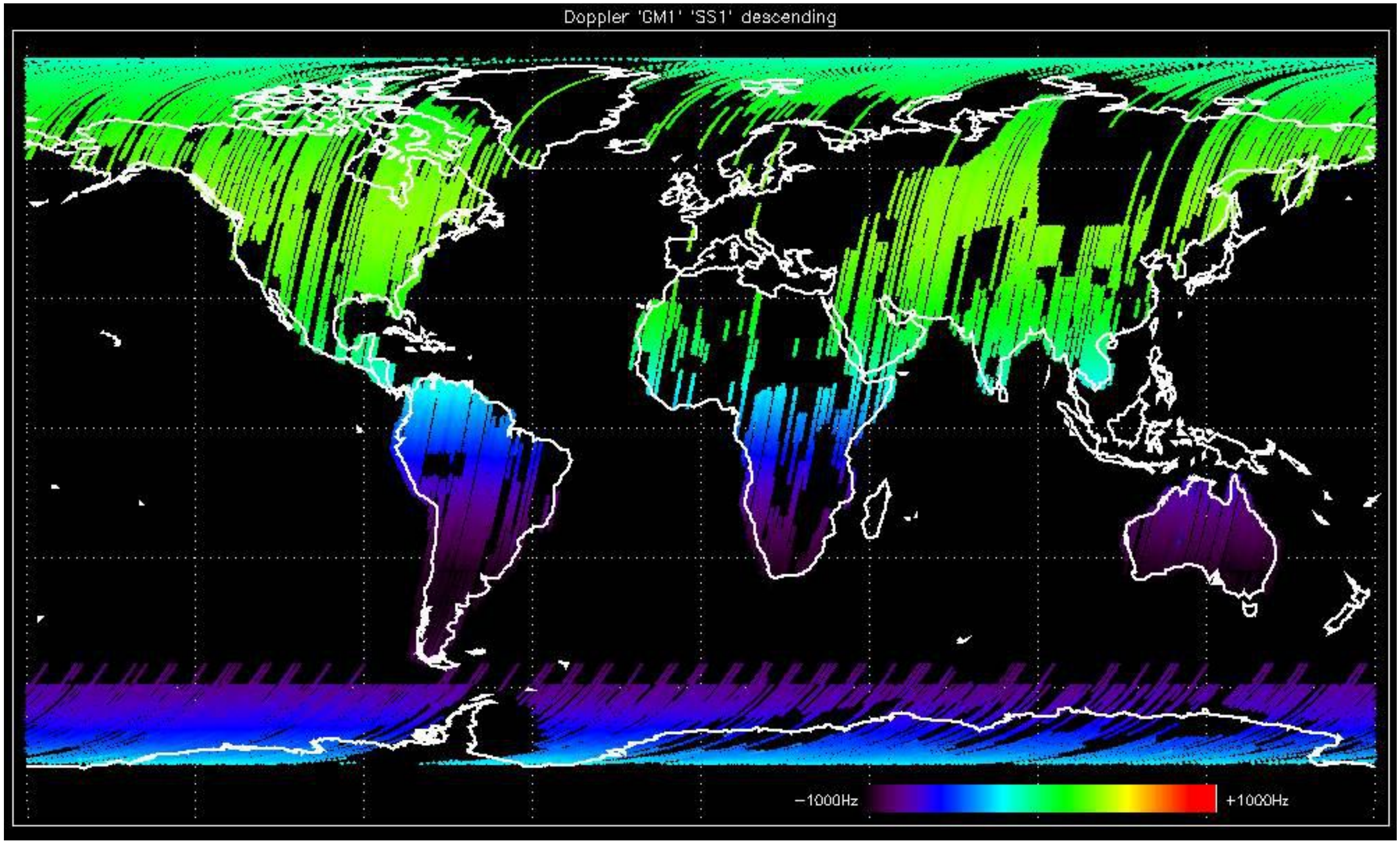

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

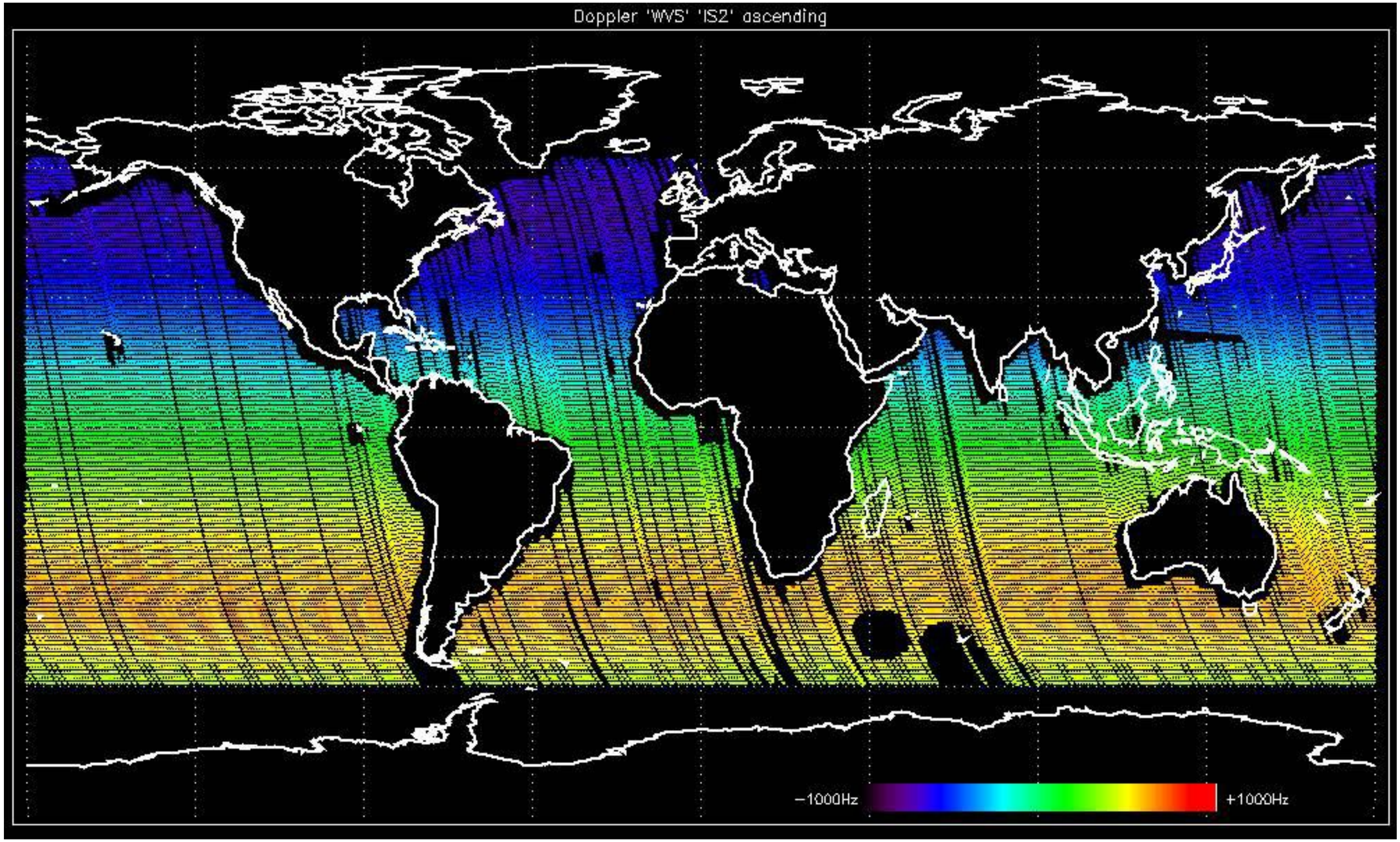

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

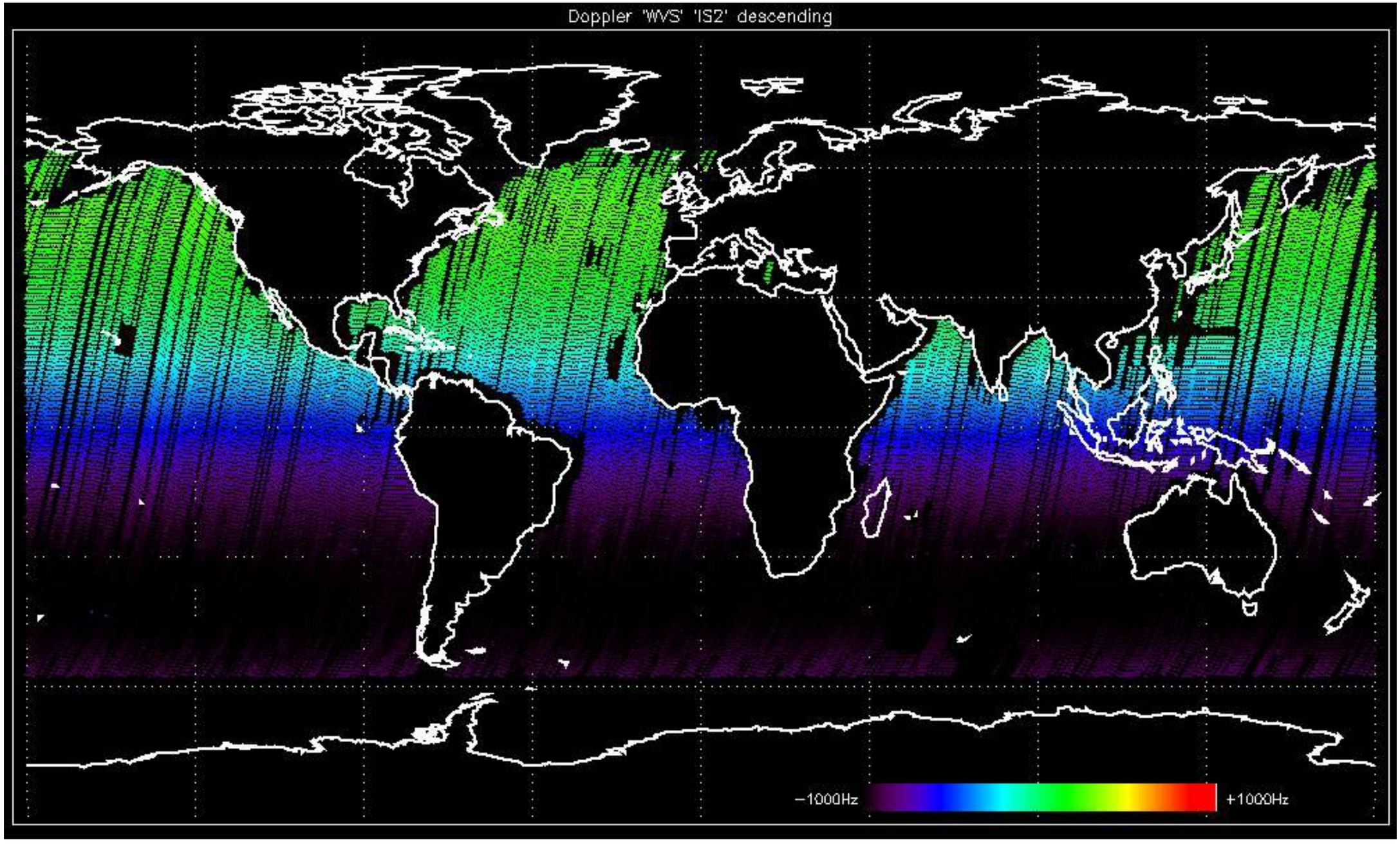
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

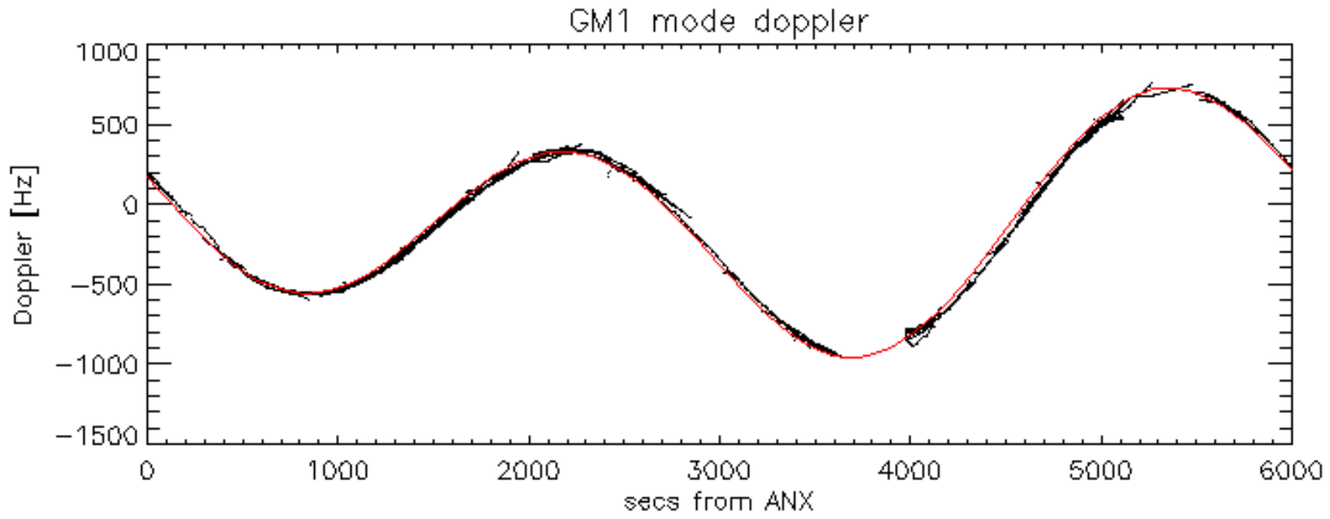
Preliminary report.The data is not yet controled

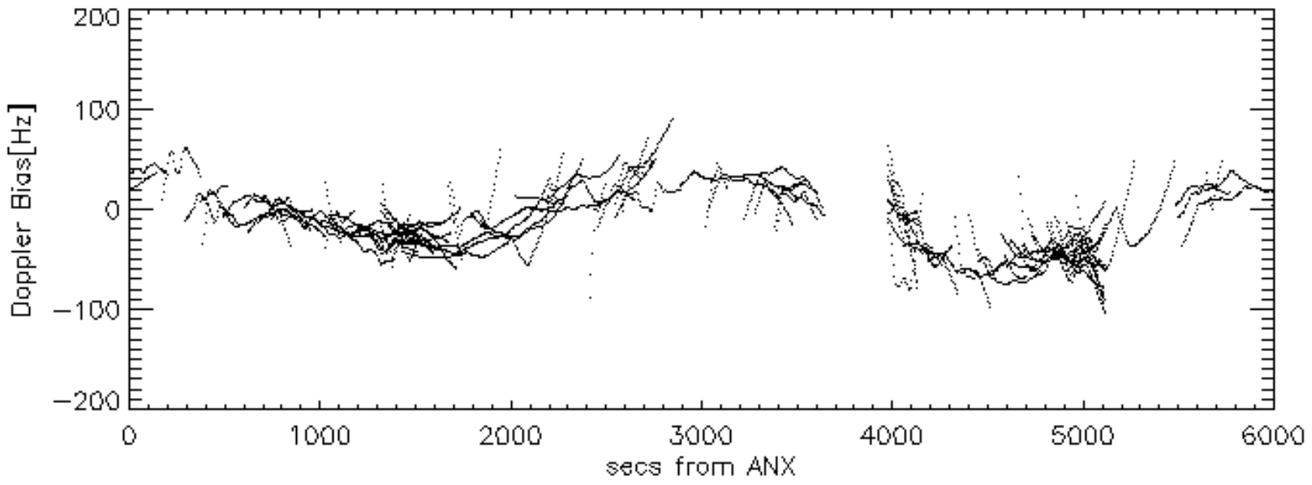

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

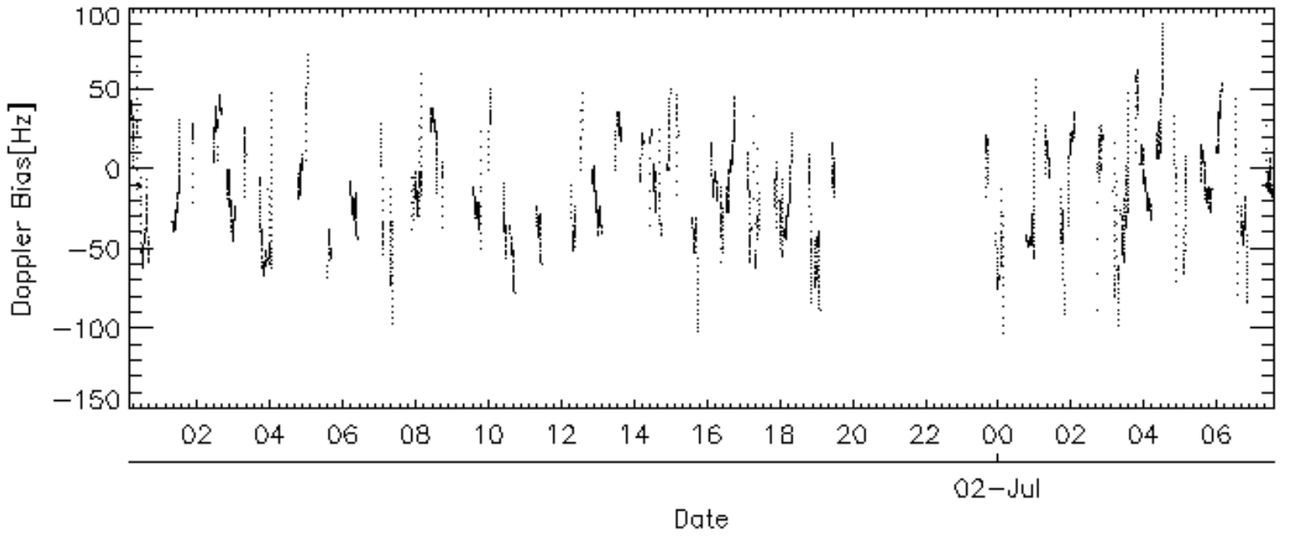

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

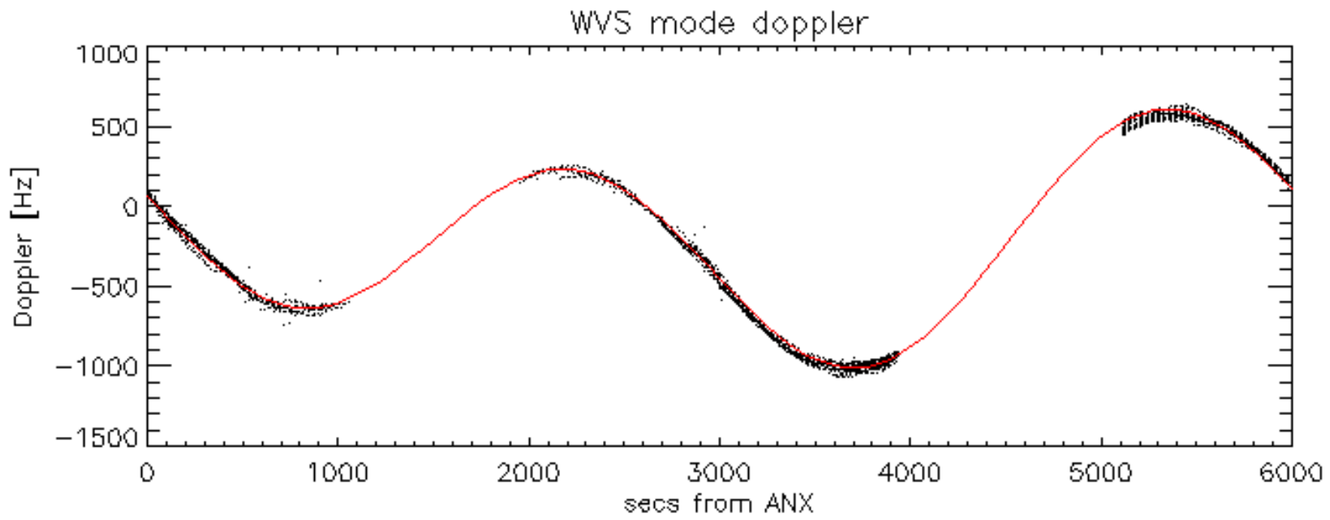

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

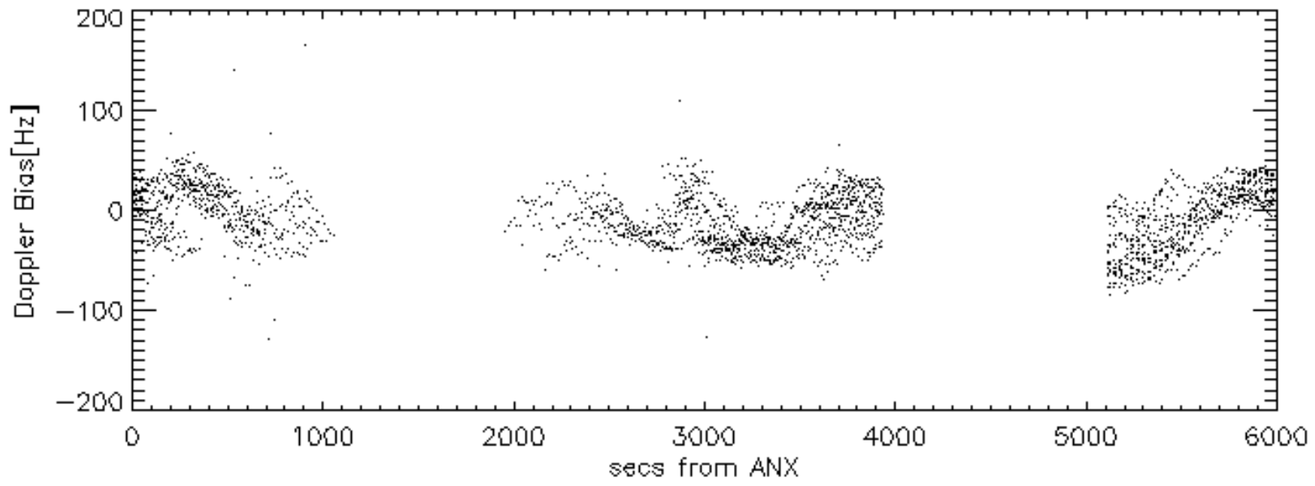

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

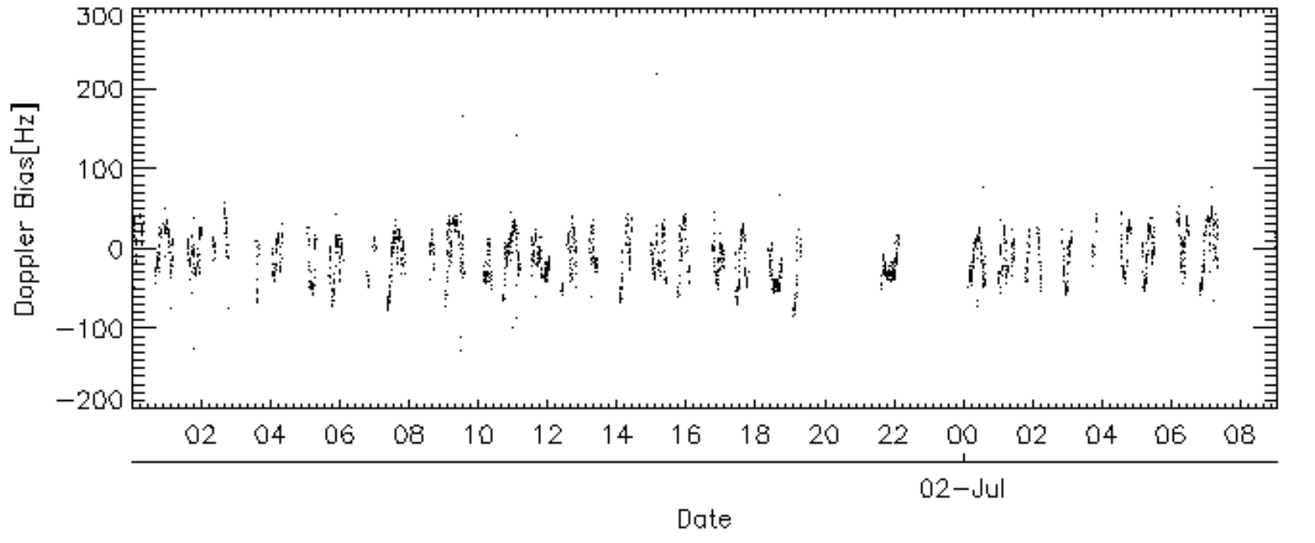

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

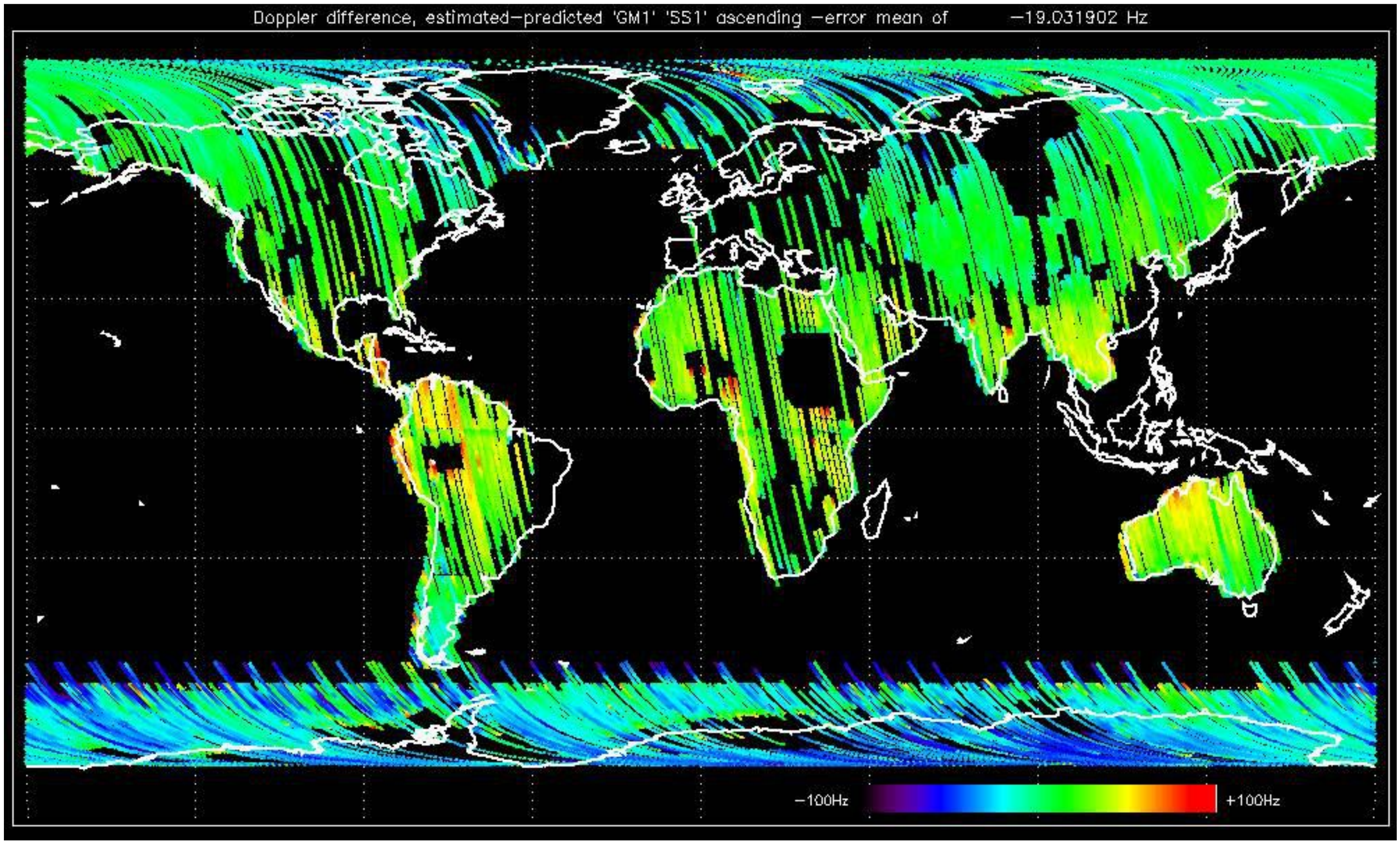

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

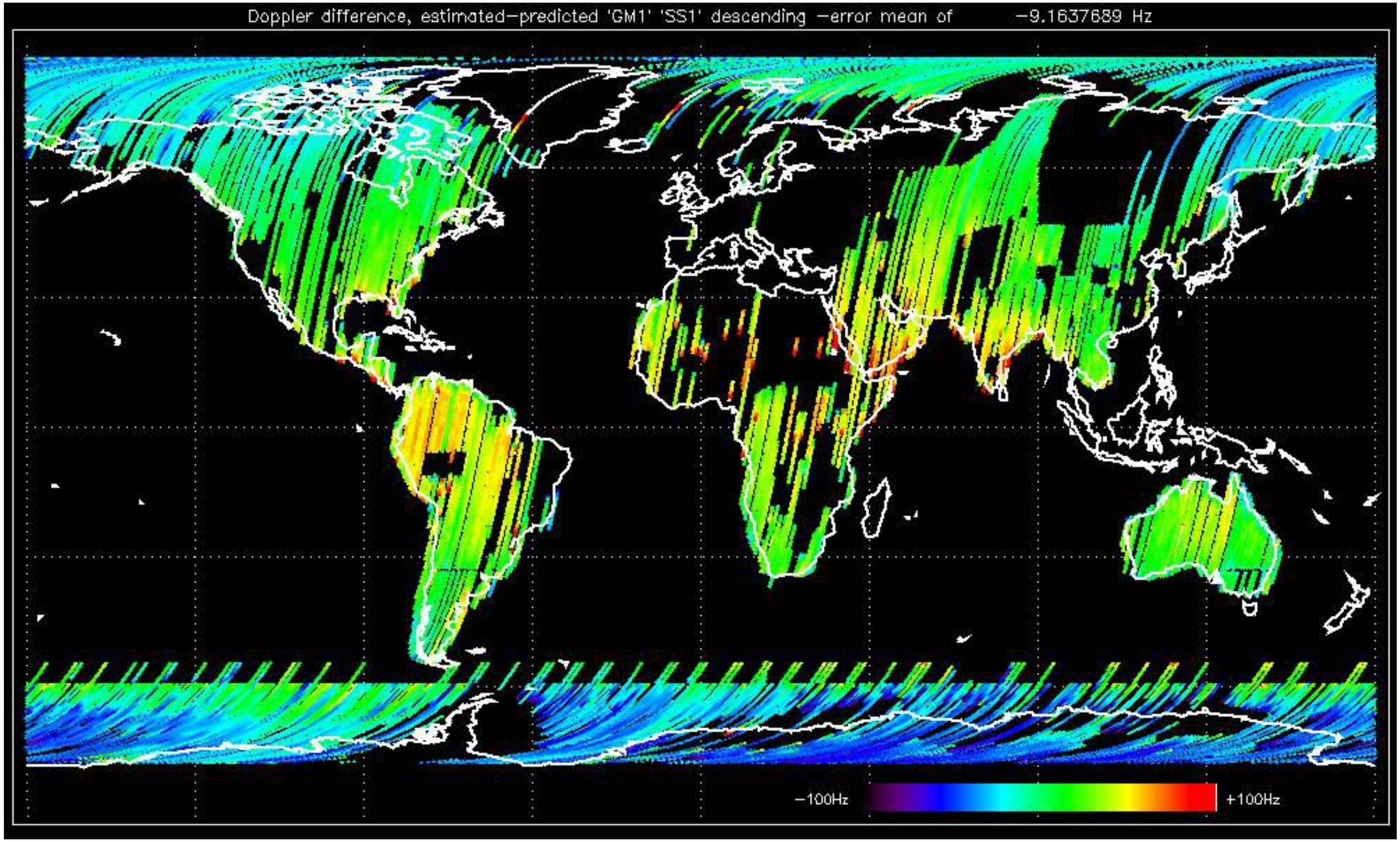

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
02−Jul
Date

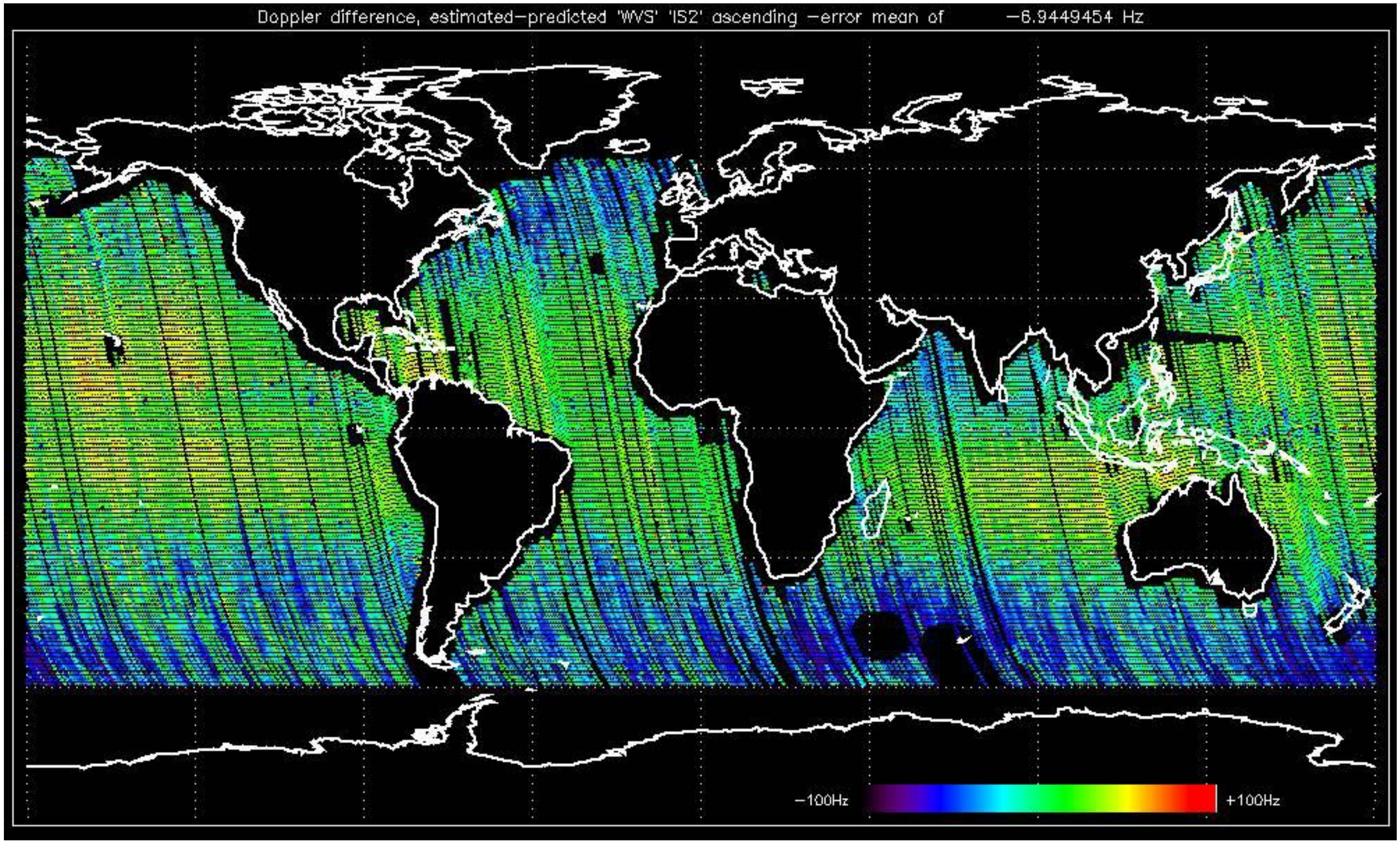

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

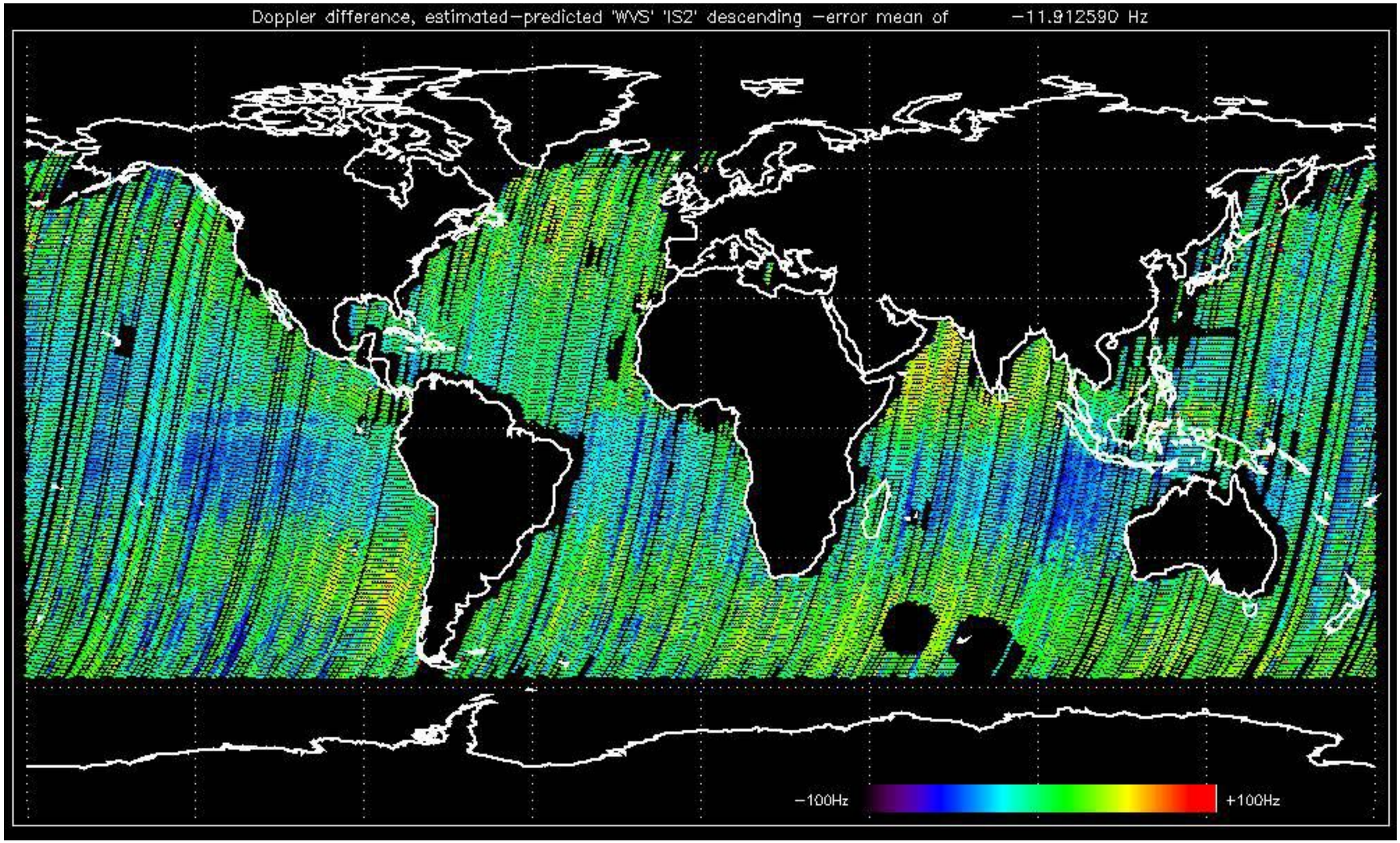

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −19.031902 Hz
−100Hz
+100Hz

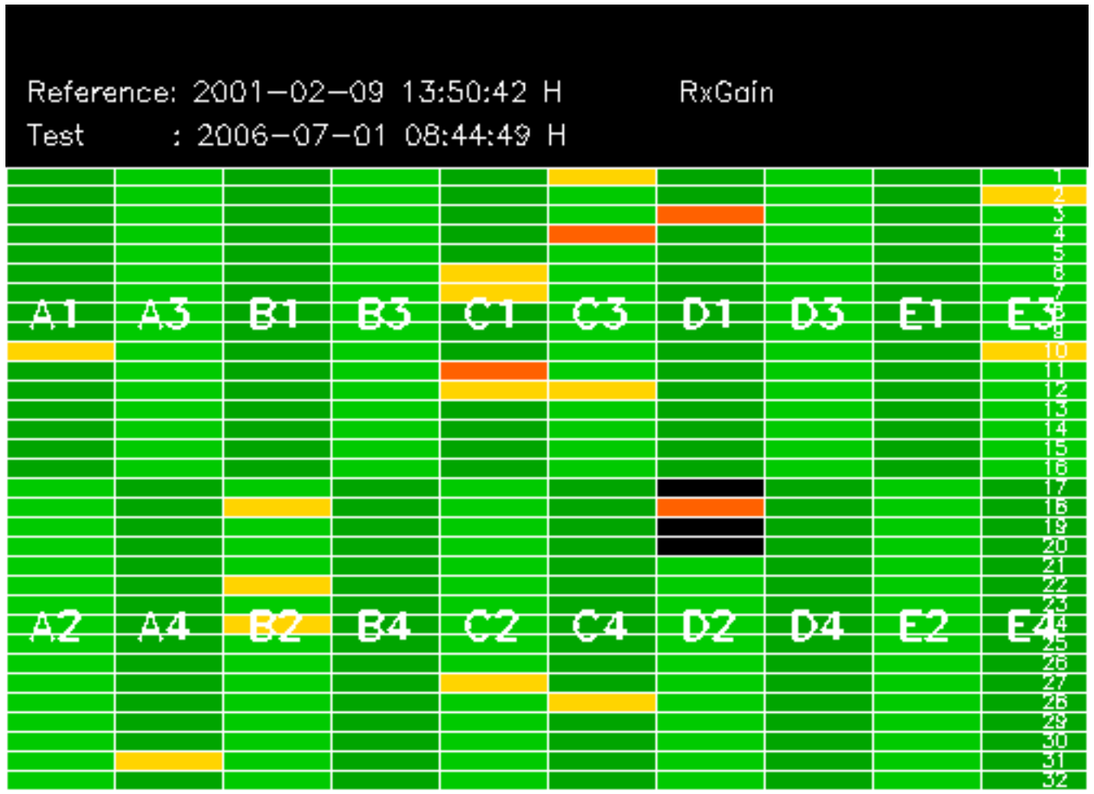

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −9.1637689 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −6.9449454 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.912590 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-01 08:44:49 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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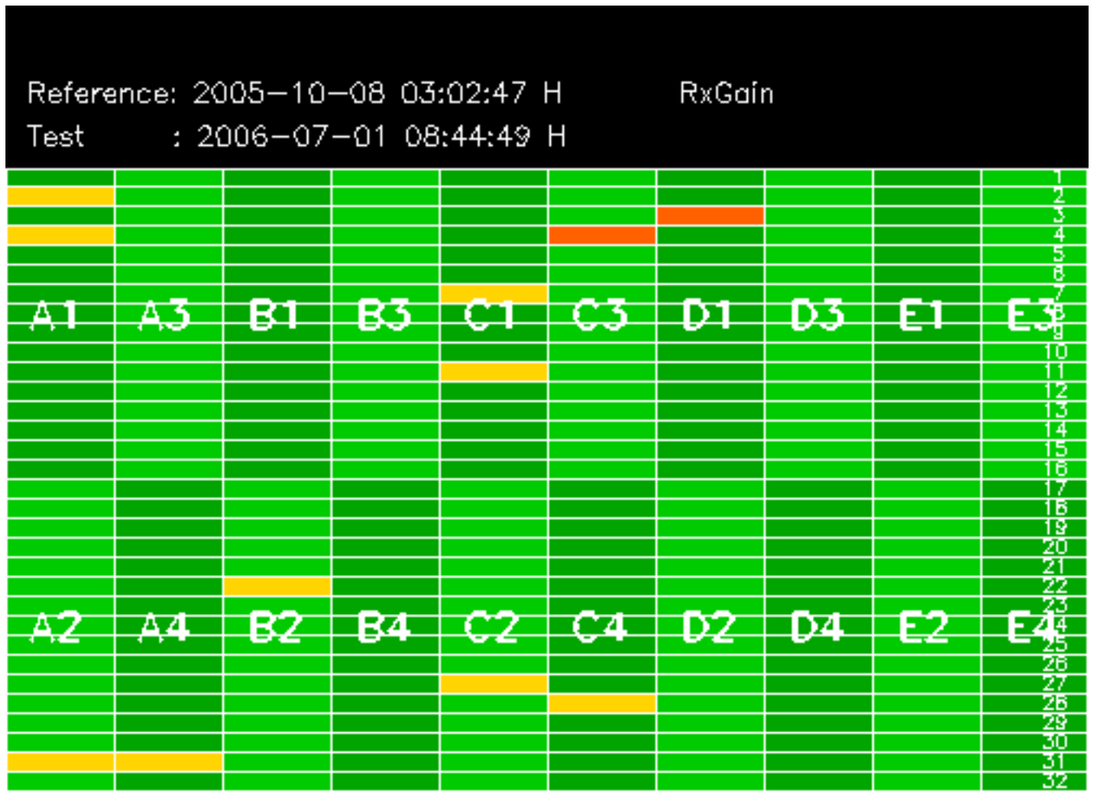
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-01 08:44:49 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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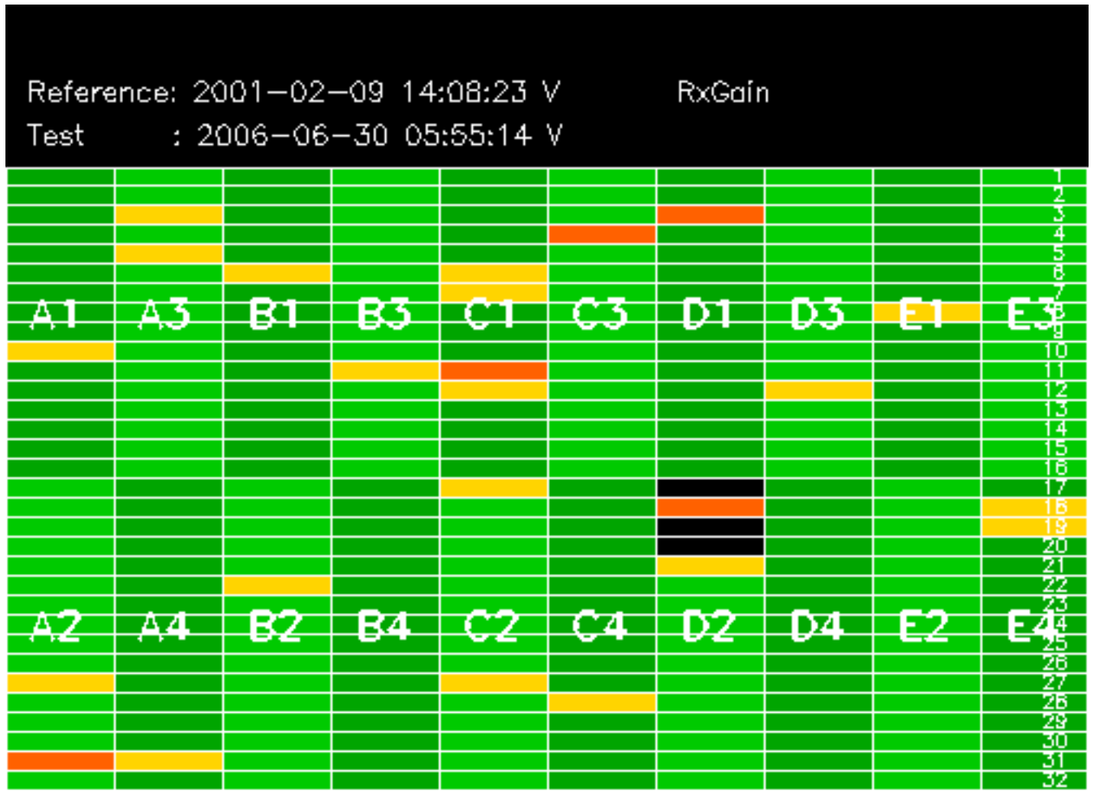
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-30 05:55:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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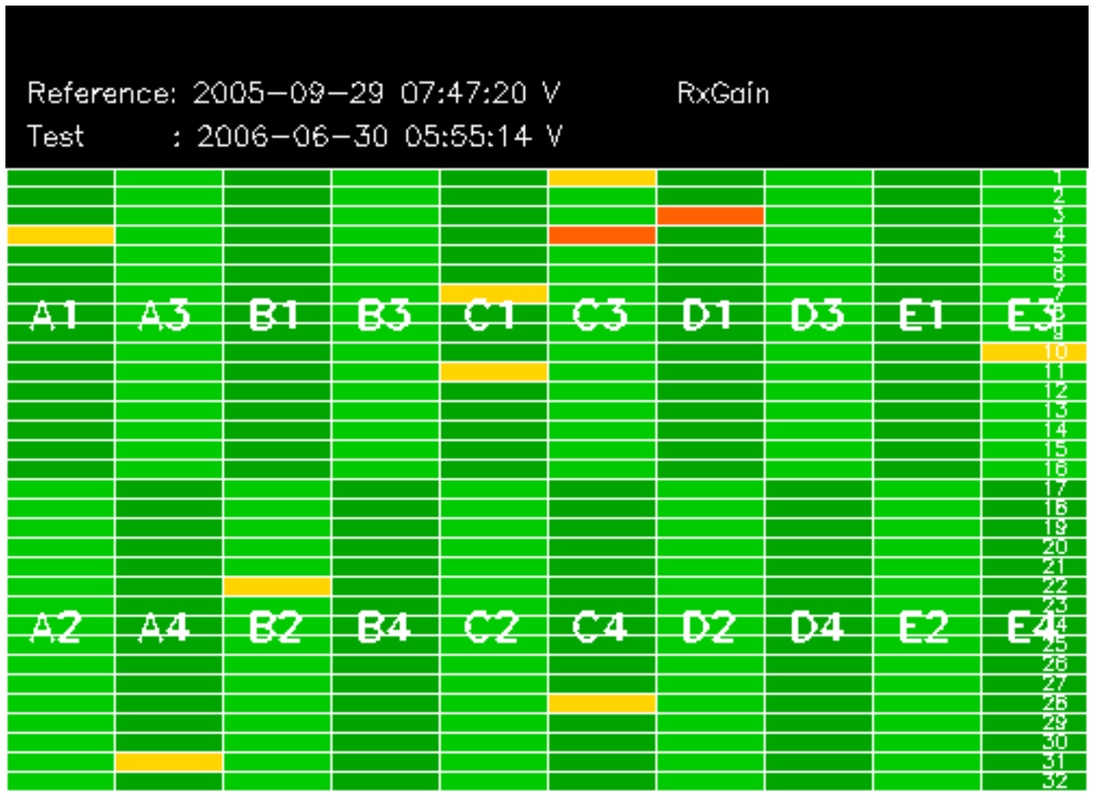
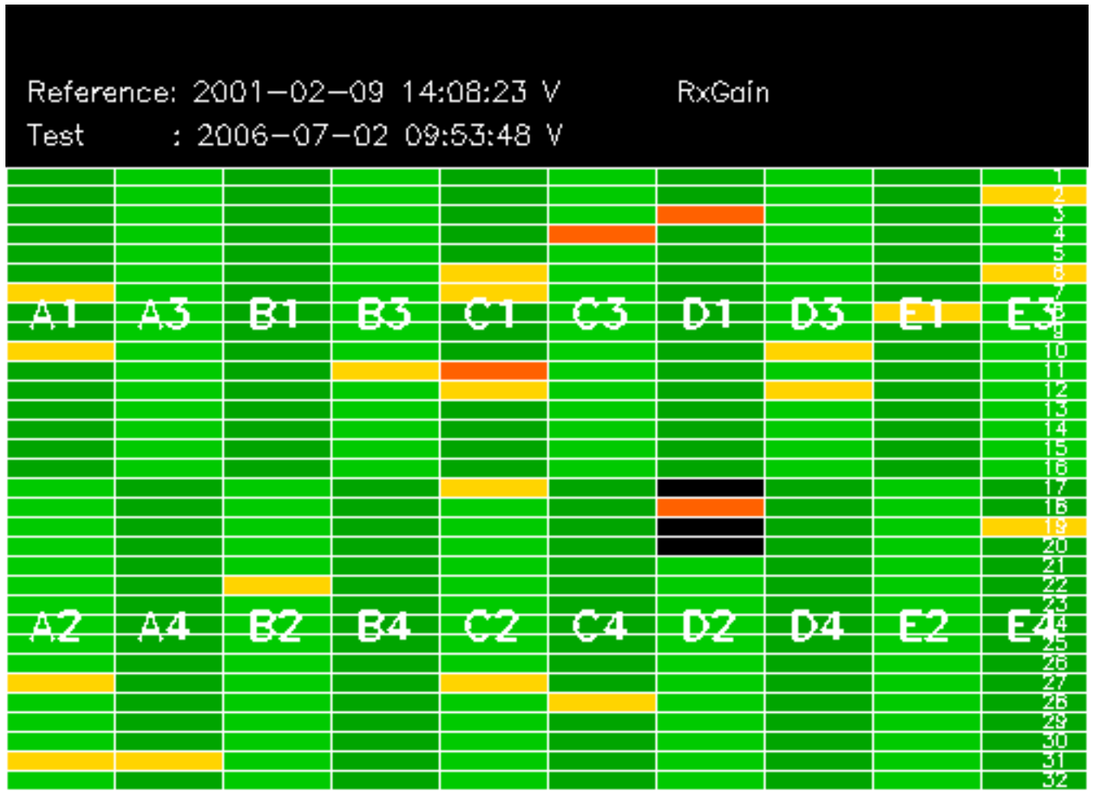
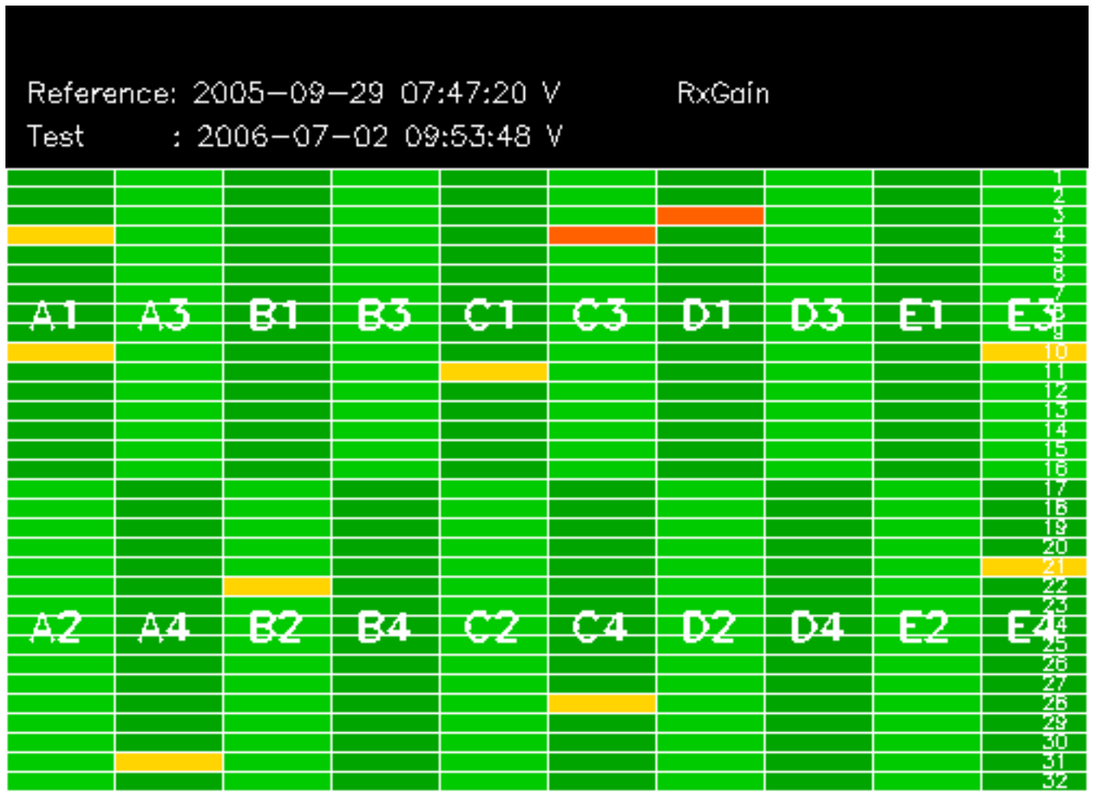

Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2006-07-02 09:53:48 V
RxGain
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 : 2006-07-02 09:53:48 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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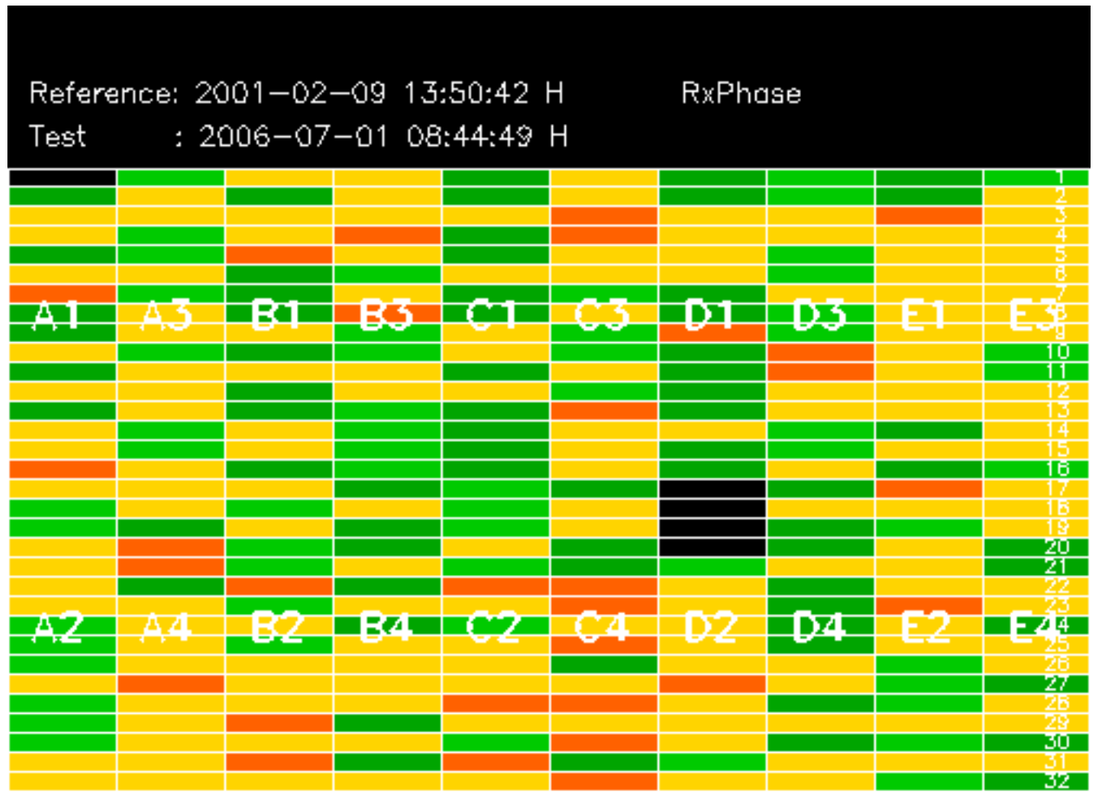
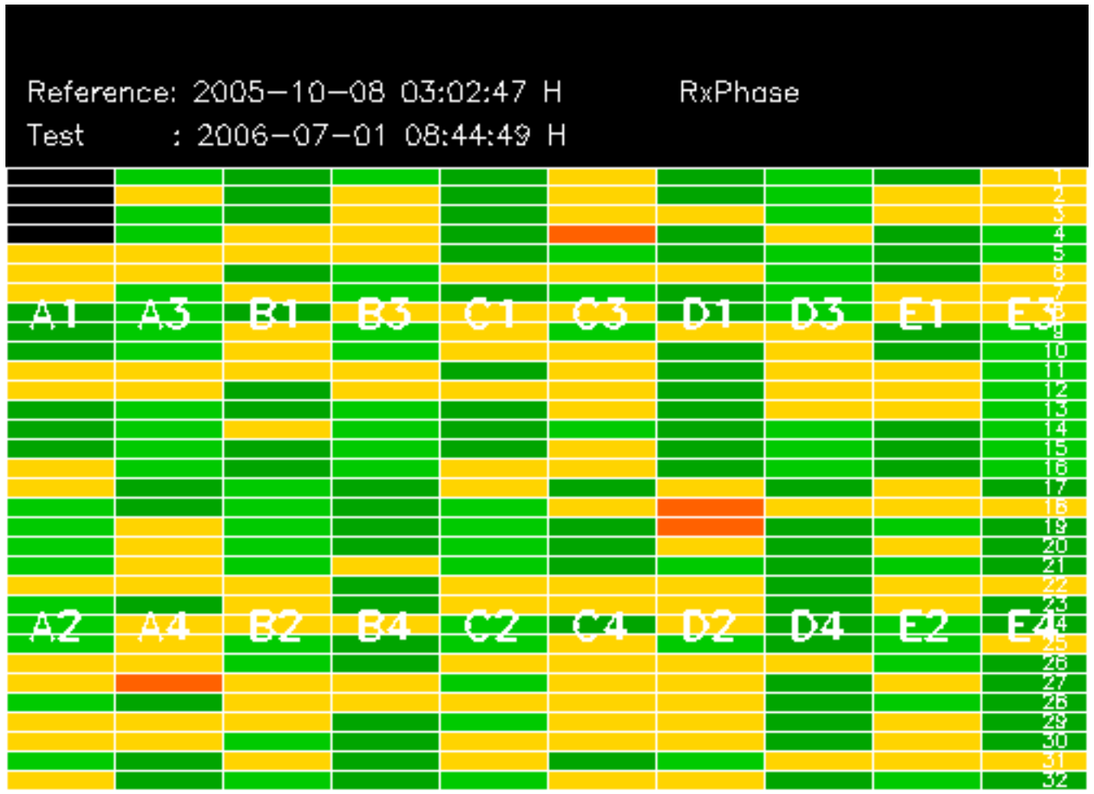

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-07-01 08:44:49 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-07-01 08:44:49 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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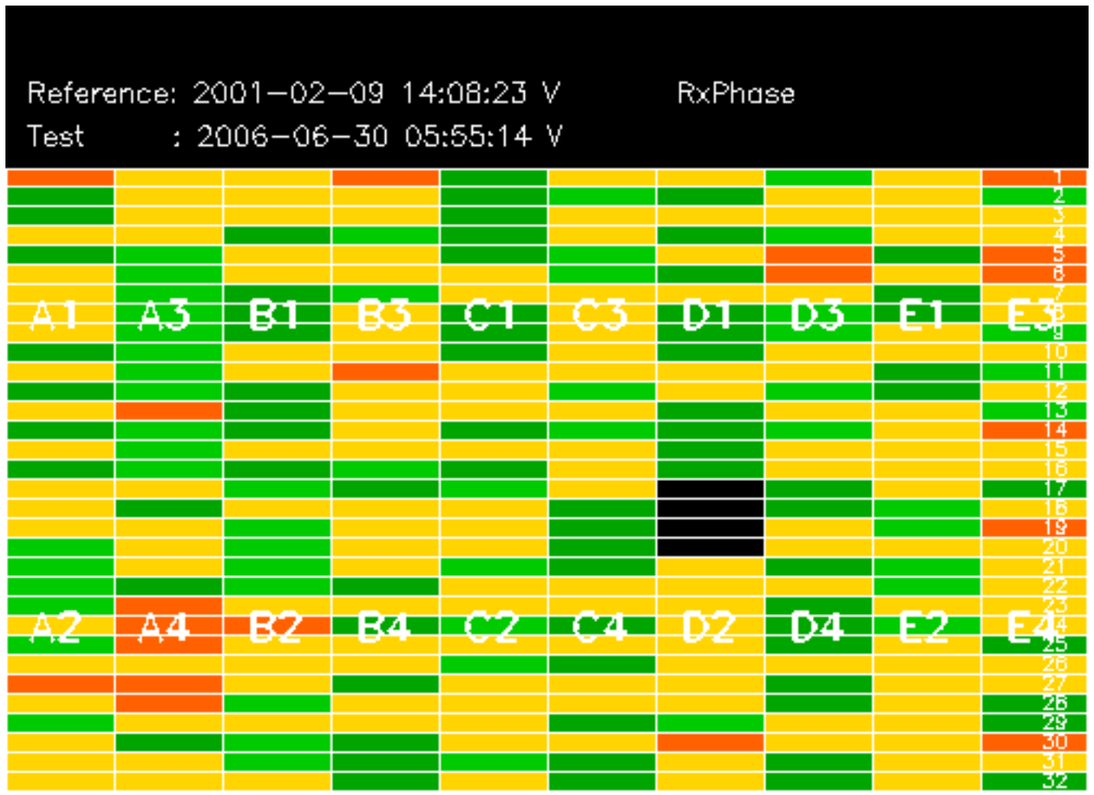
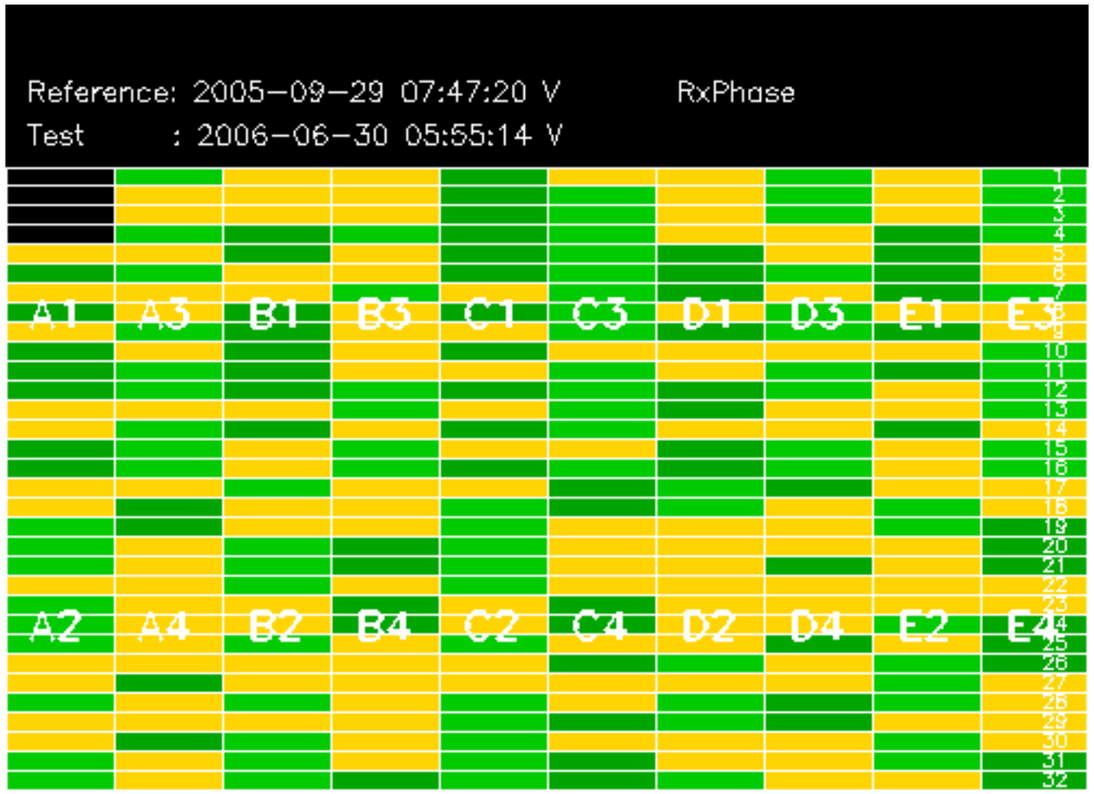

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-06-30 05:55:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
RxPhase
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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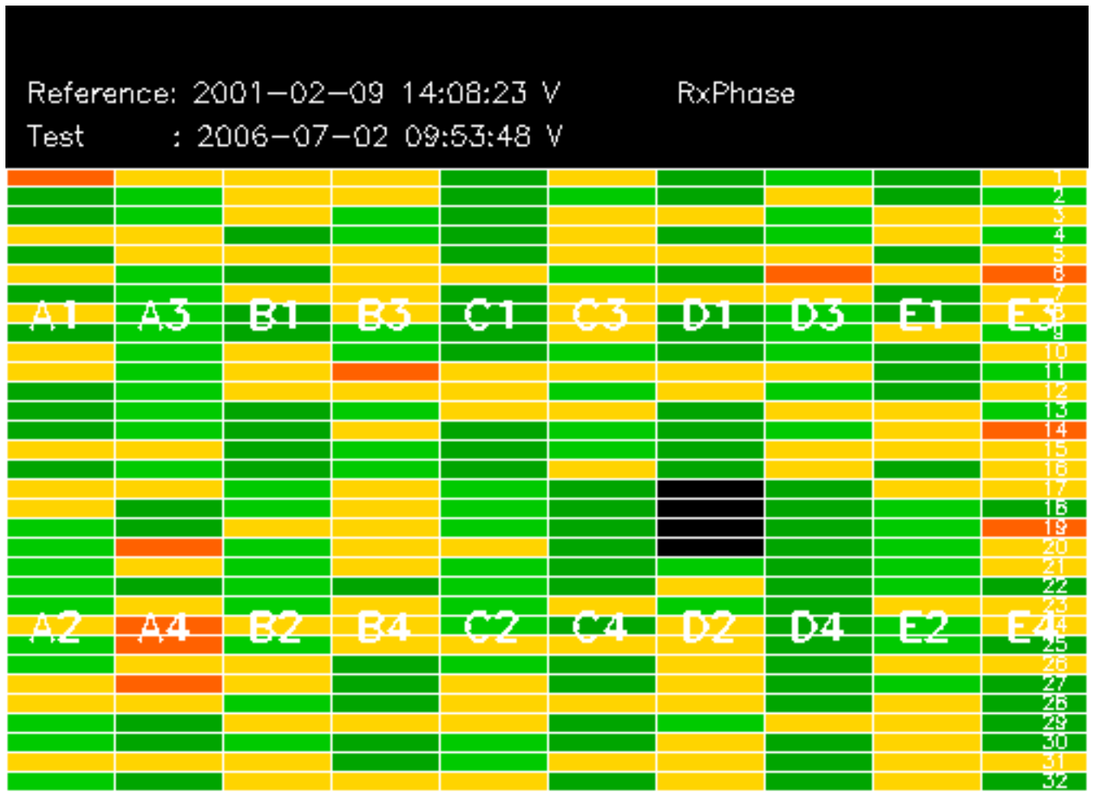
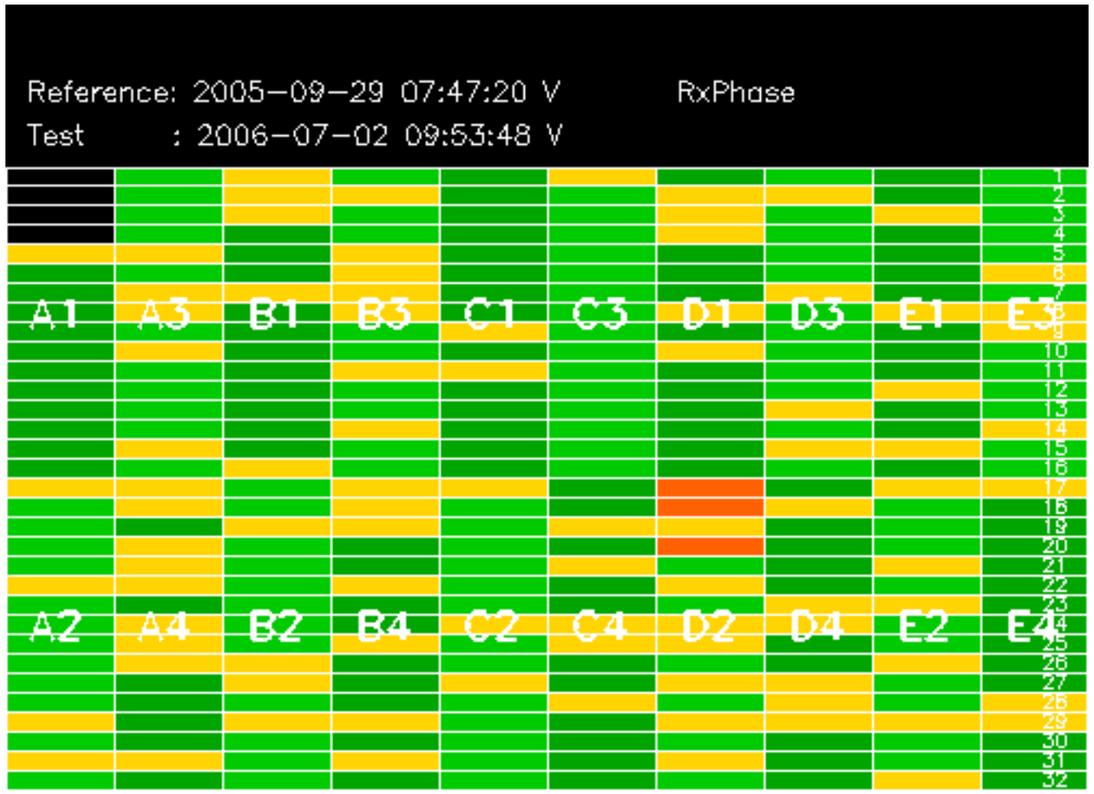

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-02 09:53:48 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-02 09:53:48 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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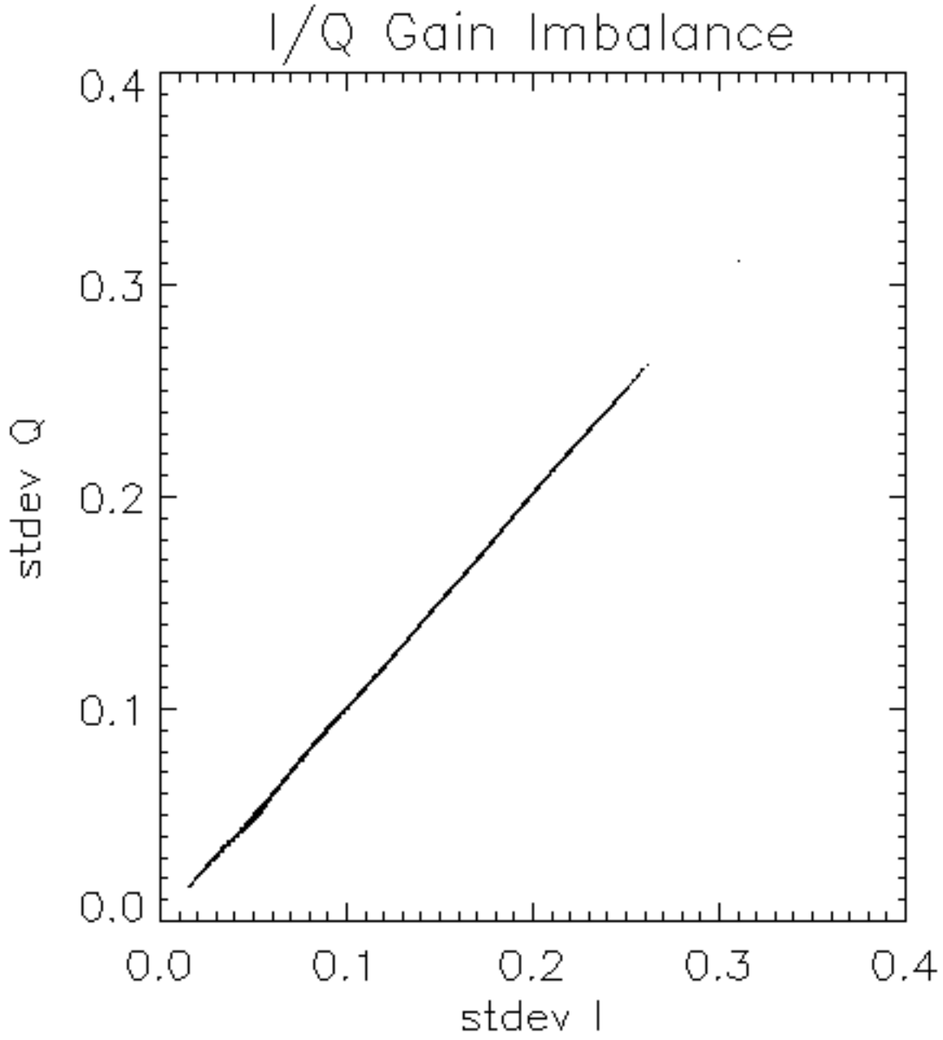
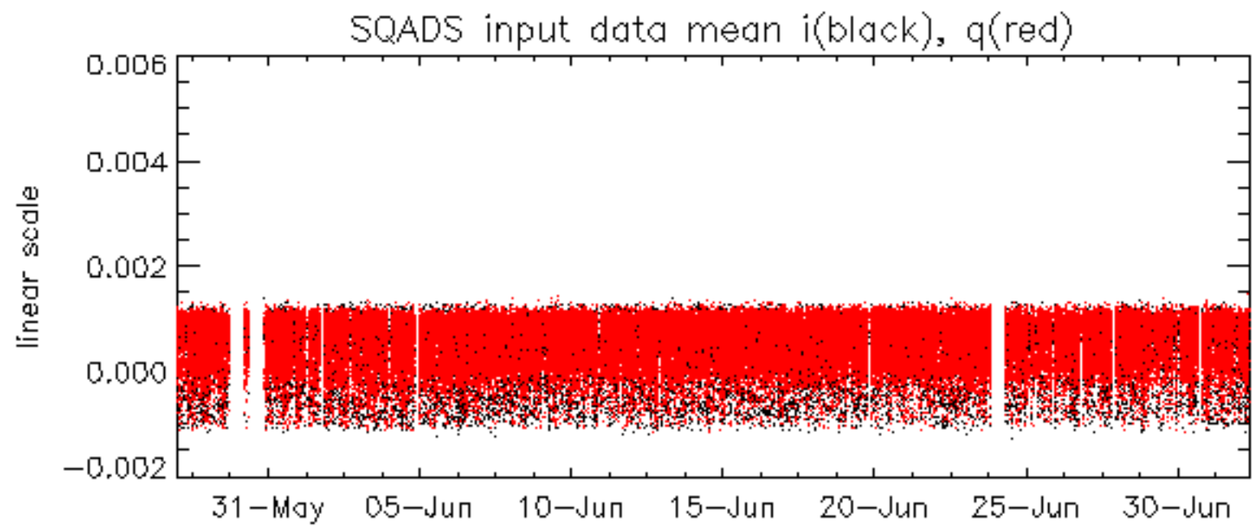
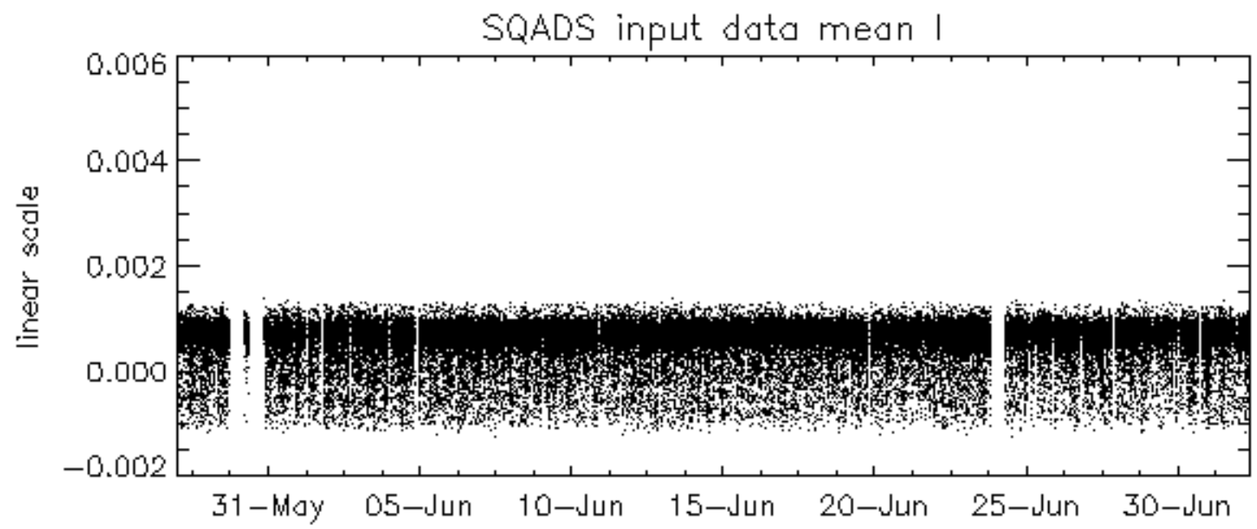
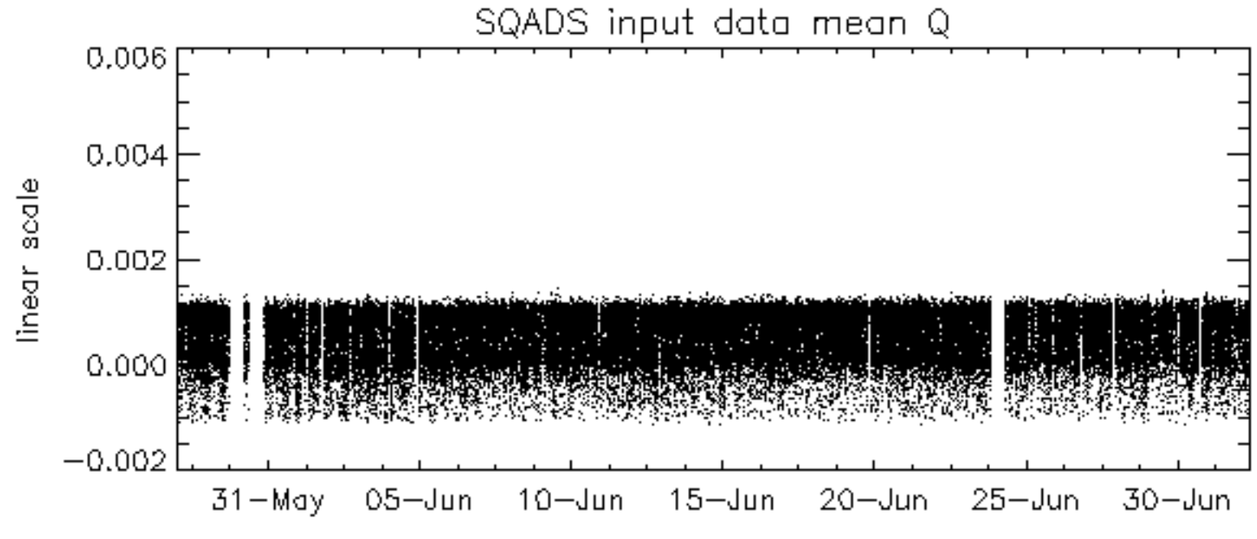
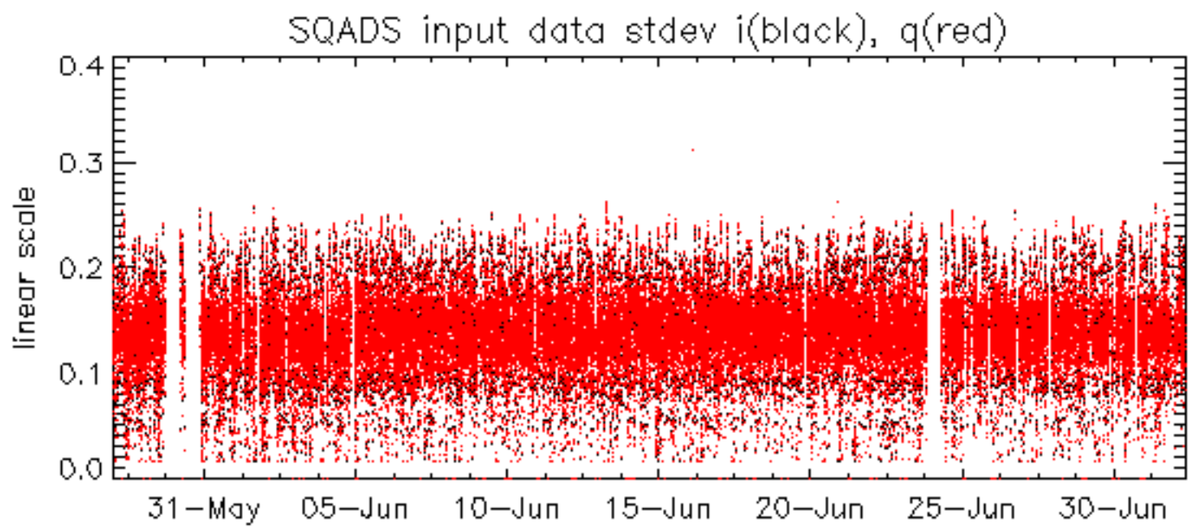
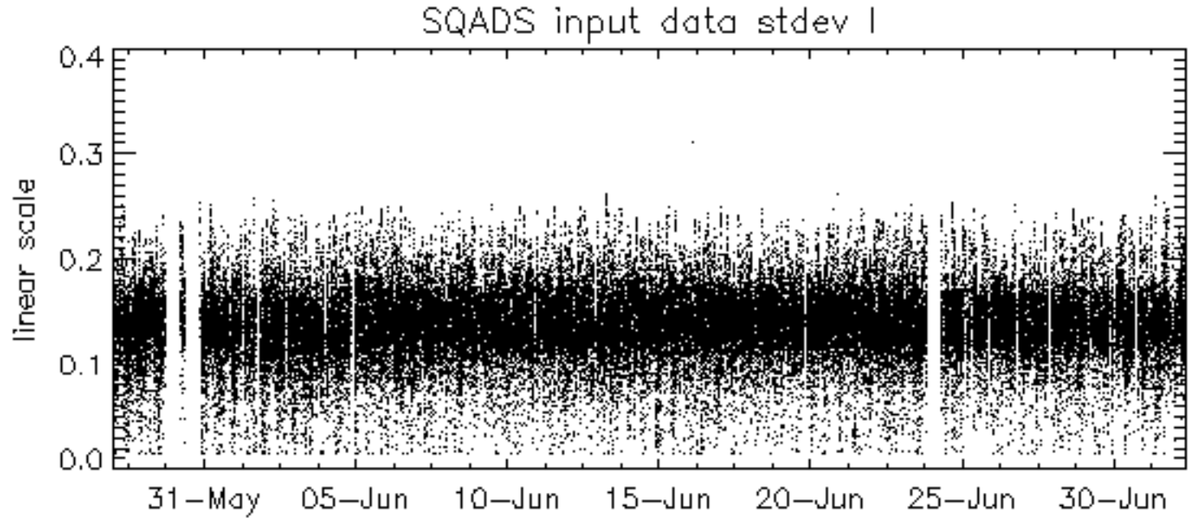

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

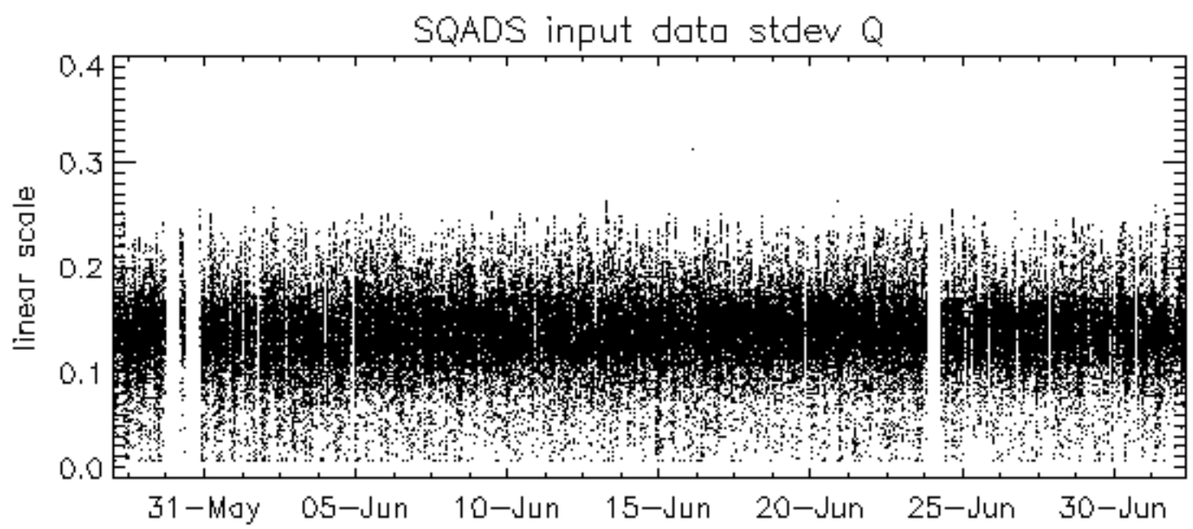

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun

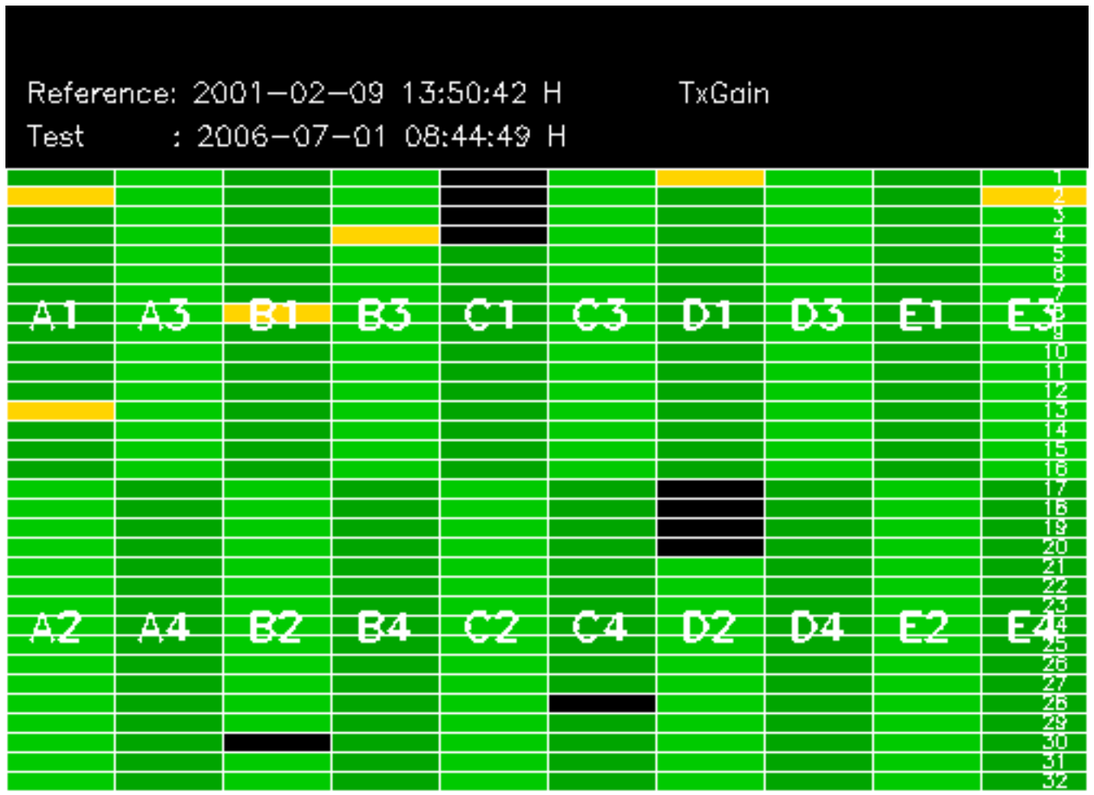

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun


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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-01 08:44:49 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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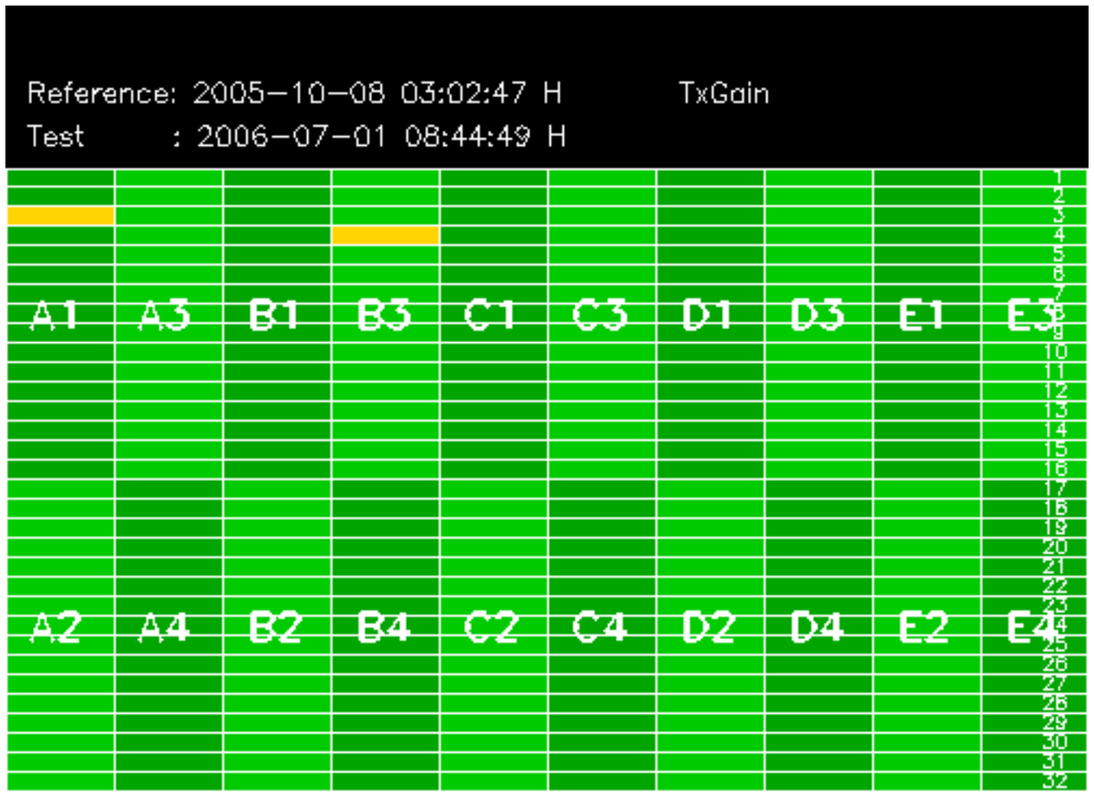
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-01 08:44:49 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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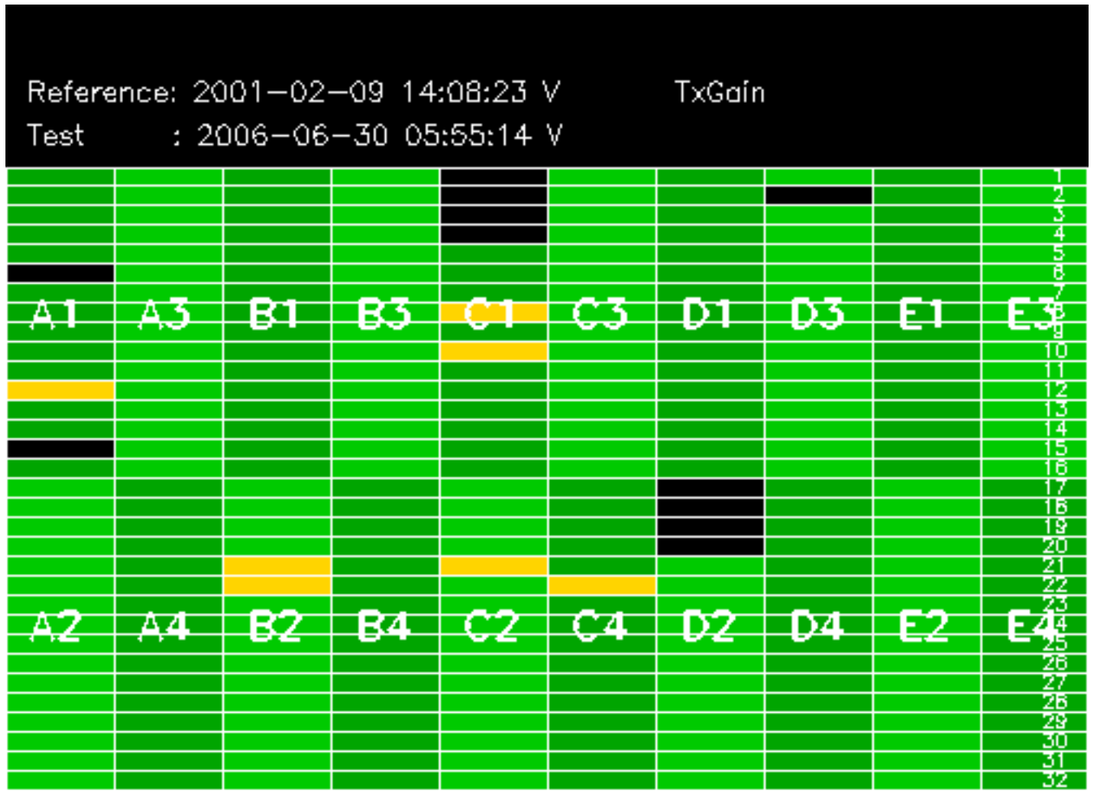
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-30 05:55:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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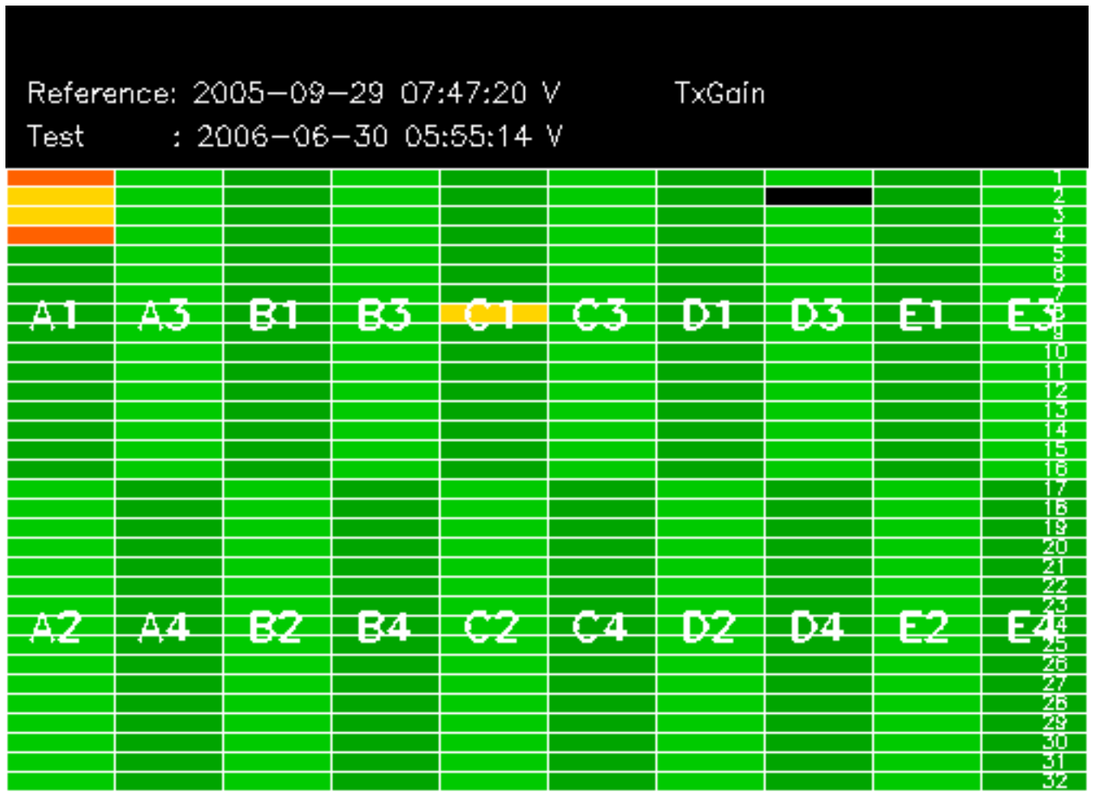
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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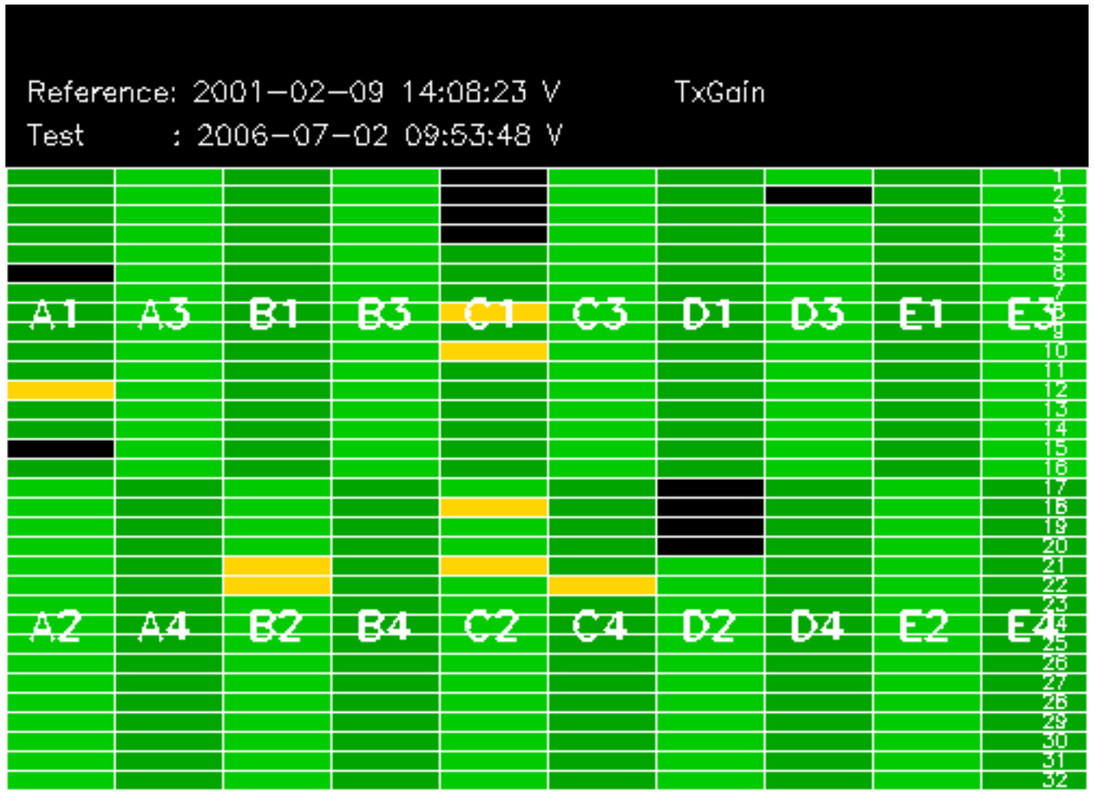
Reference: 2001-02-09 14:08:23 V
Test : 2006-07-02 09:53:48 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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D4
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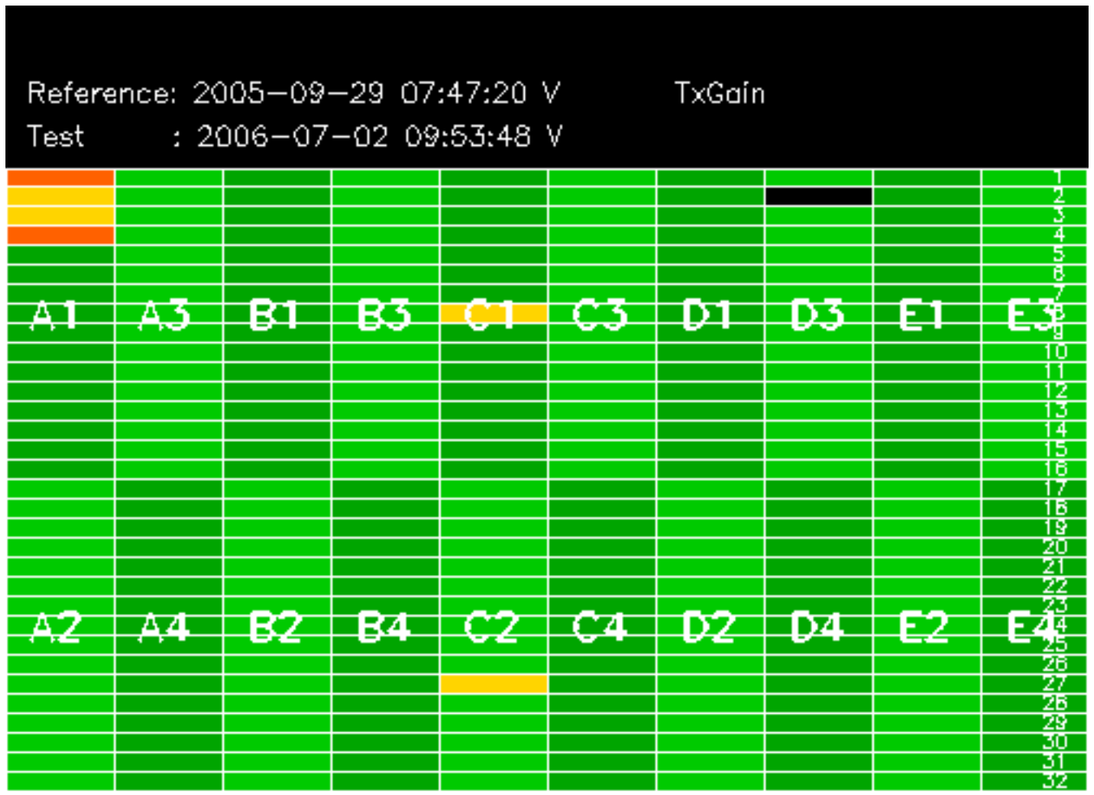
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-02 09:53:48 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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Summary of analysis for the last 3 days 2006070[012]
The assumptions is taken that the SQADS 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_1PNPDE20060701_005030_000002372049_00059_22658_0198.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060701_065011_000000362049_00063_22662_0225.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060701_111215_000000512049_00066_22665_0227.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060702_010810_000001092049_00074_22673_0824.N1 </td> <td>0 </td> <td>64 </td></tr>
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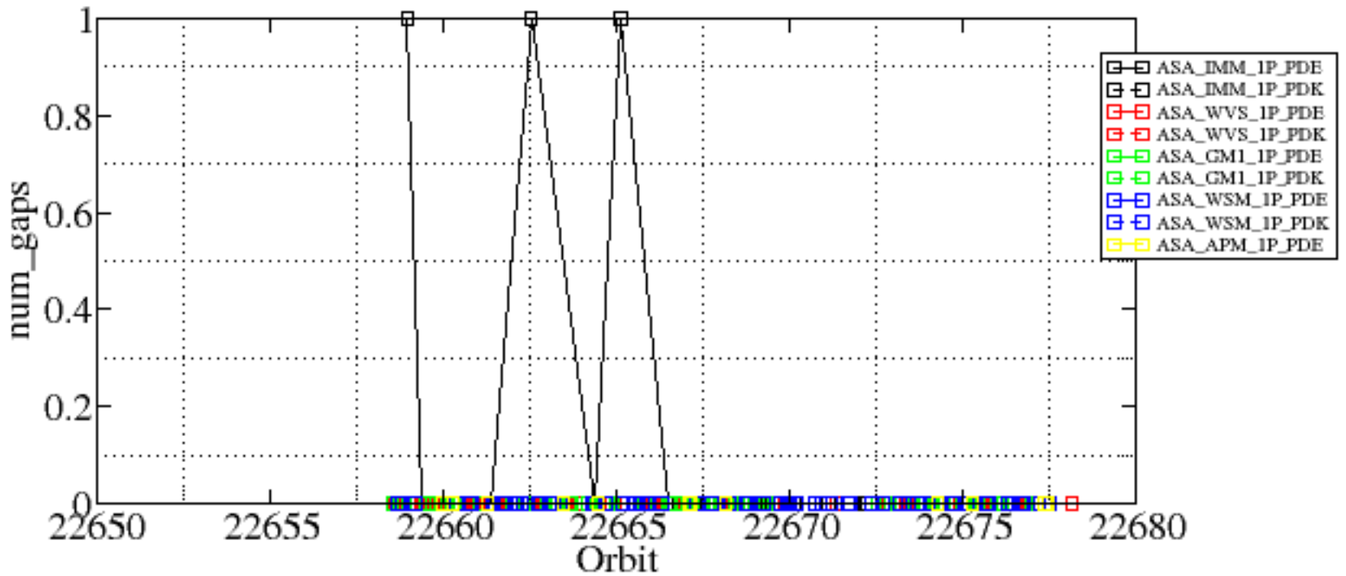
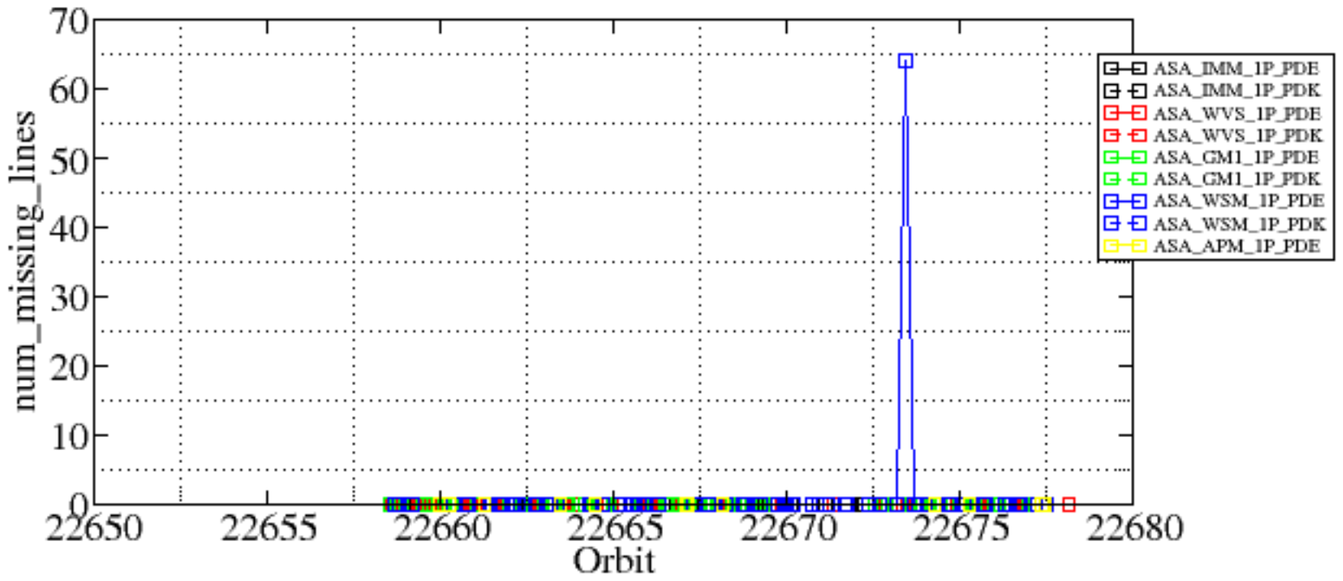
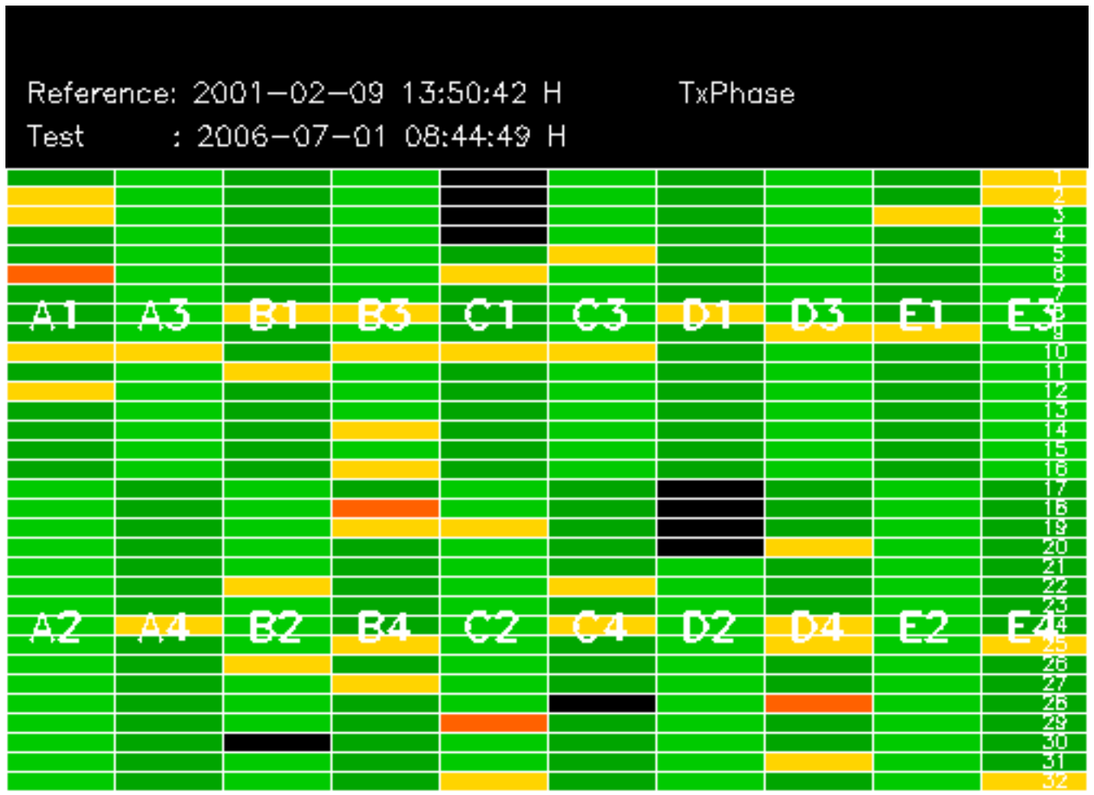
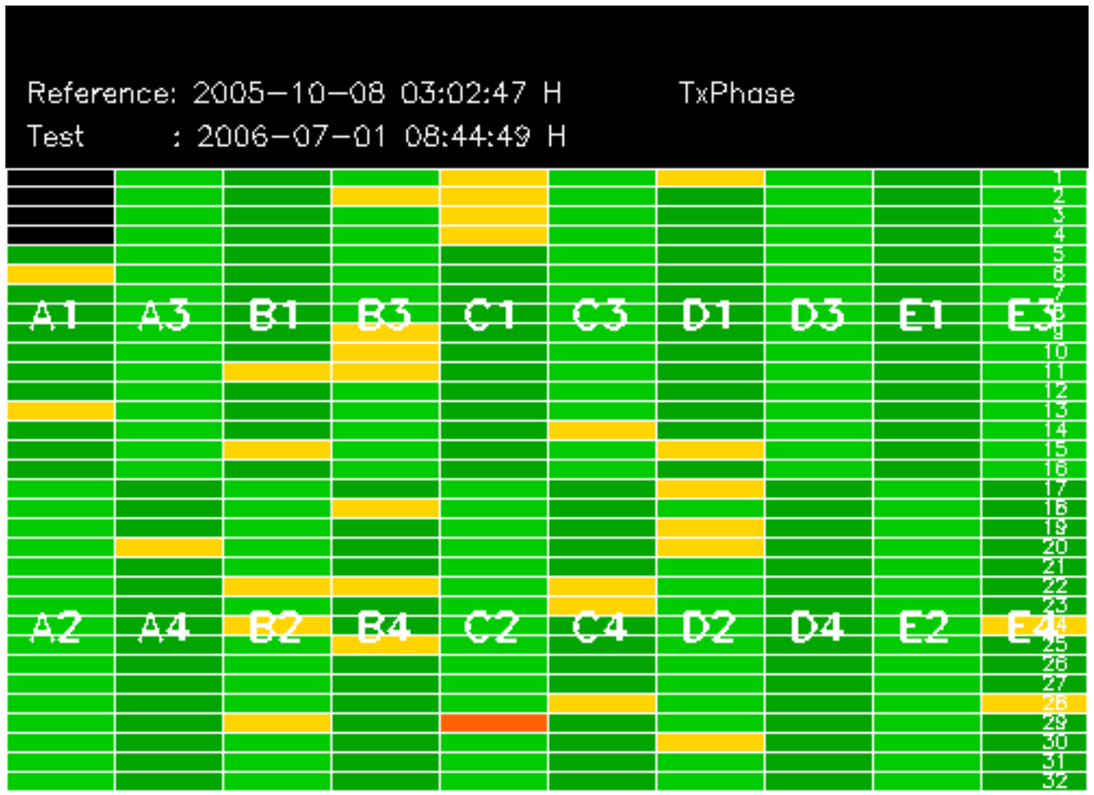

num_gaps
1
0.8
0.6
0.4
0.2
0
22650
22655
22660
22665
22670
22675
22680
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
Orbit
70
60
50
40
30
20
10
0
22650
22655
22660
22665
22670
22675
22680
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-01 08:44:49 H
TxPhase
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 : 2006-07-01 08:44:49 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 : 2006-06-30 05:55:14 V
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
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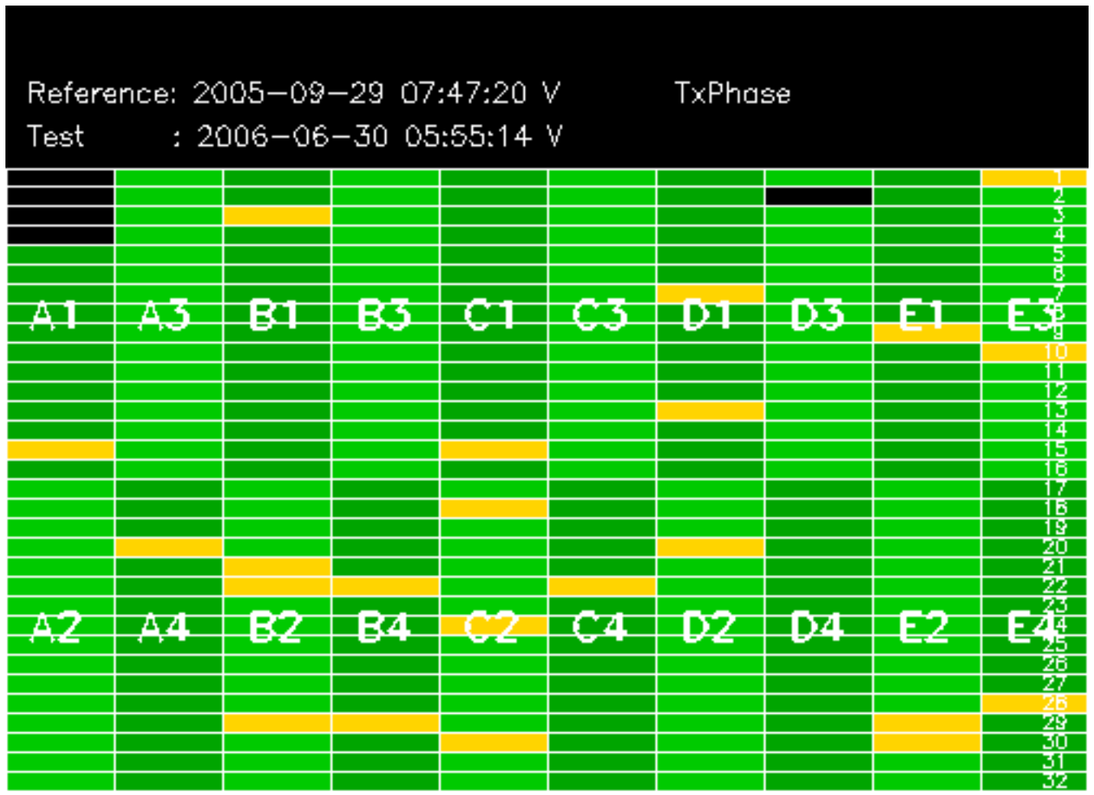
28
29
30
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
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
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14
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16
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29
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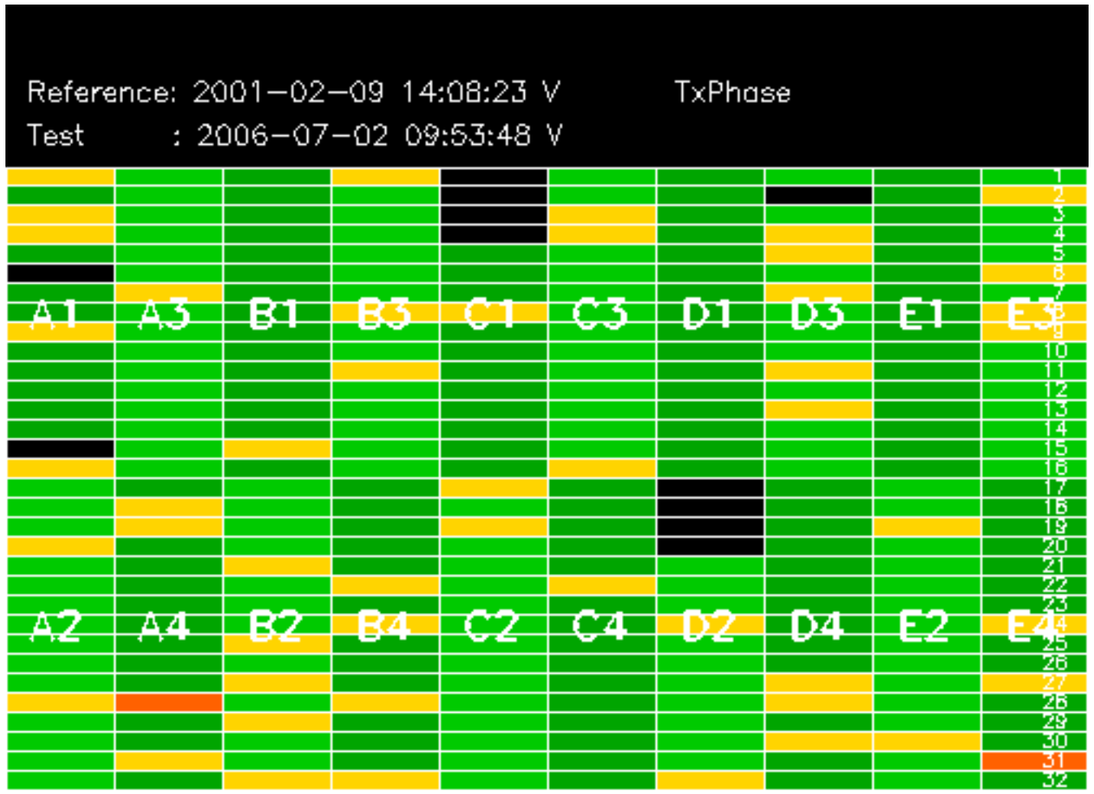
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-07-02 09:53:48 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
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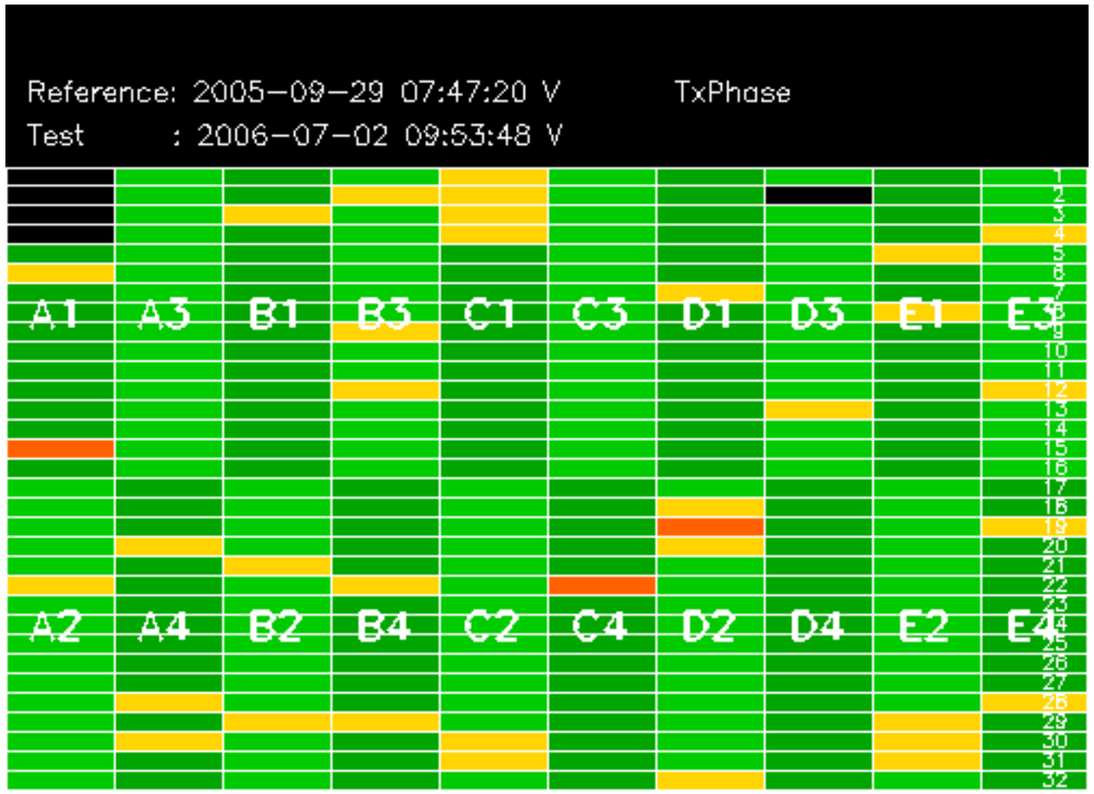
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-02 09:53:48 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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9
10
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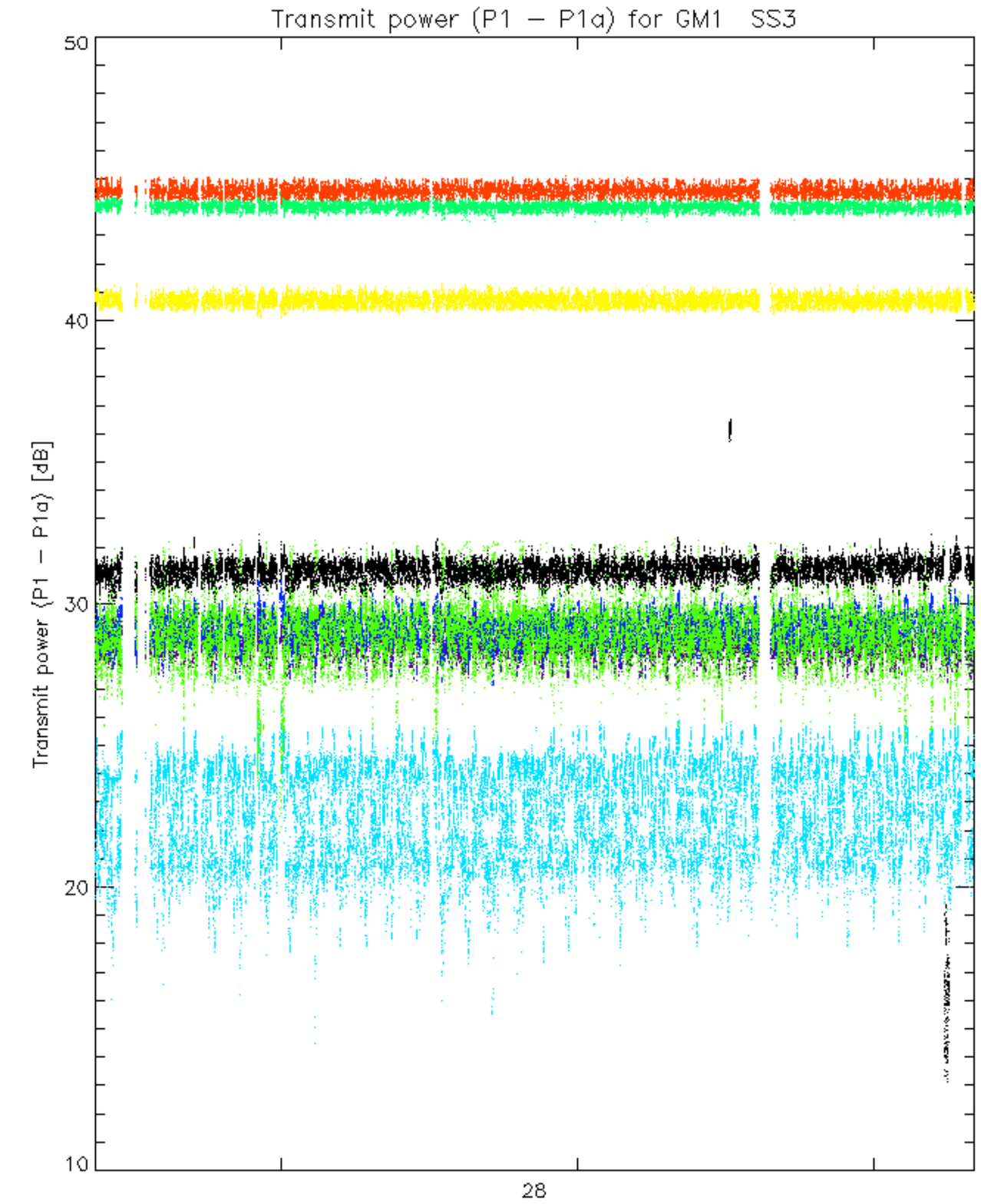
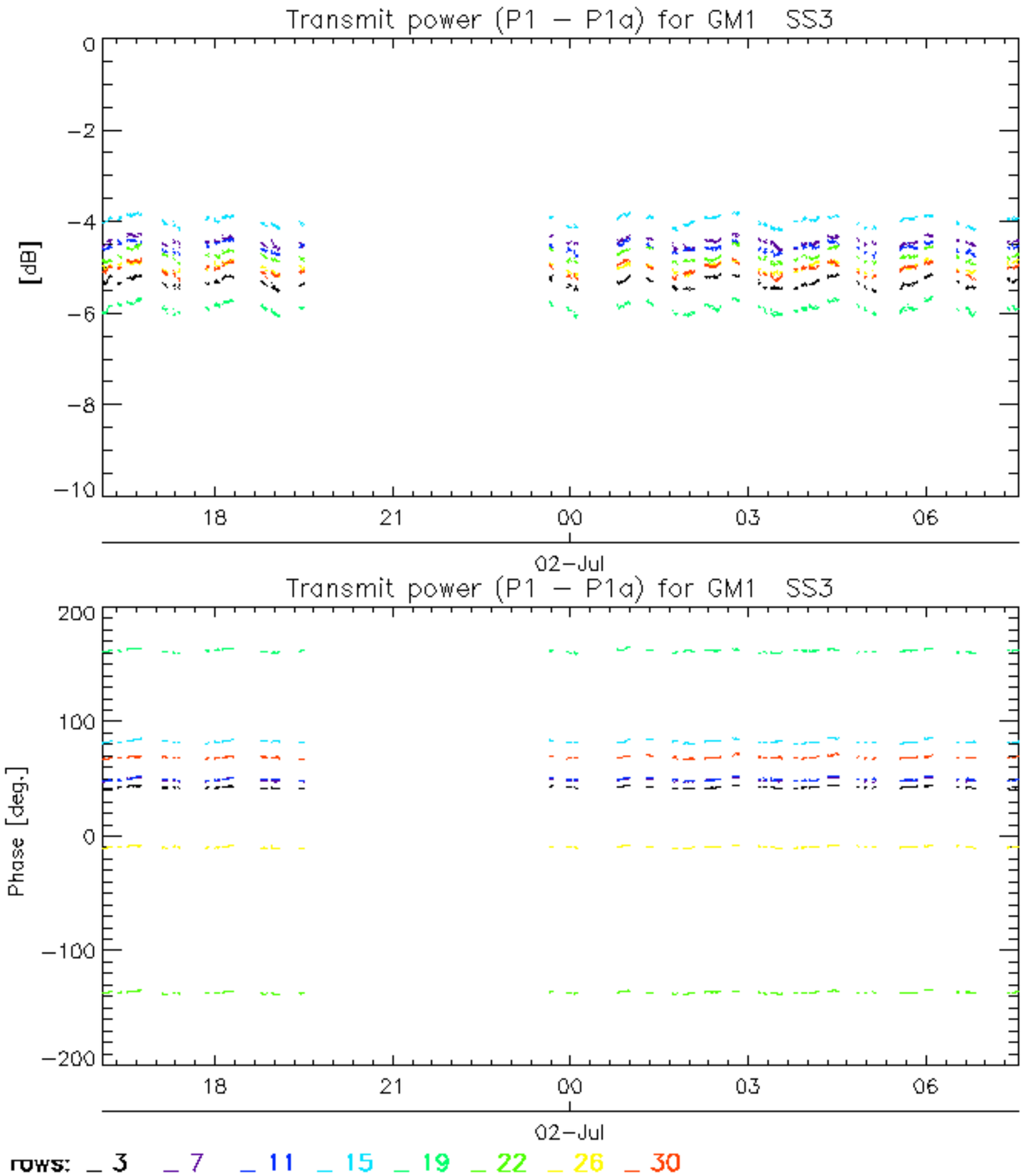
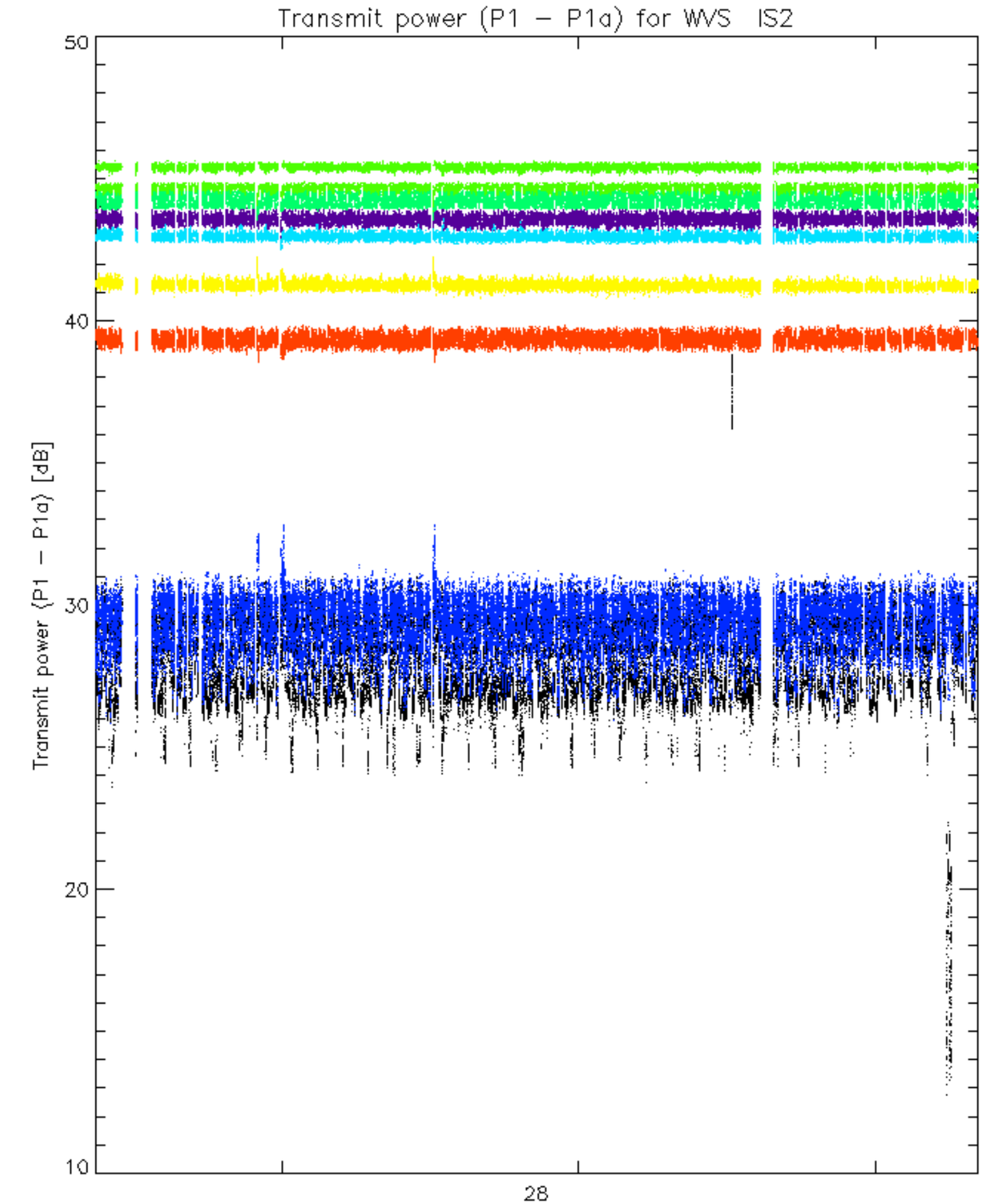
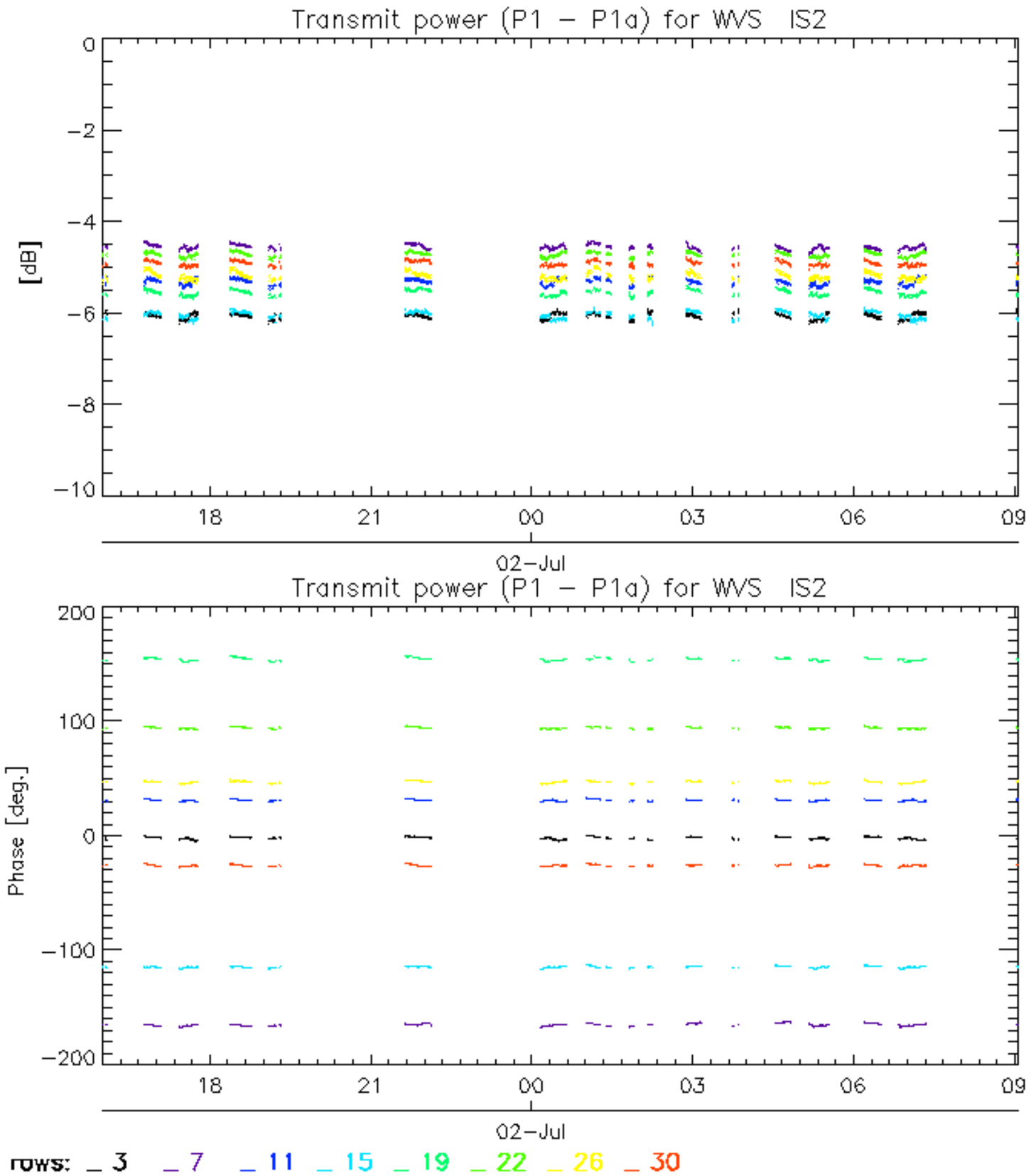

Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
28
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Transmit power (P1 – P1a) for WVS IS2
50
40
30
20
10
28
Transmit power (P1 – P1a) [dB]
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
02–Jul
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
02–Jul
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.