PRELIMINARY REPORT OF 060718

last update on Tue Jul 18 16:25:13 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 2006-07-17 00:00:00 to 2006-07-18 16:25:13

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	38	66	23	4	16
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	23	42	13	3	12
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	15	24	10	1	4
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	38	66	23	4	16
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	38	66	23	4	16

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	35	57	60	14	23
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	20	36	39	11	19
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	15	21	21	3	4
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	35	57	60	14	23
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	35	57	60	14	23

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	20060717 084158
H	20060718 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	-3.930309	0.012707	-0.017683
7	P1	-3.103600	0.010192	-0.018214
11	P1	-4.087023	0.013670	-0.008037
15	P1	-6.173007	0.011587	-0.012181
19	P1	-3.395265	0.009306	-0.057473
22	P1	-4.545194	0.010287	-0.027307
26	P1	-3.932607	0.019672	0.027670
30	P1	-5.762379	0.008061	-0.005390
3	P1	-16.505898	0.343748	-0.031776
7	P1	-17.193748	0.101450	-0.091448
11	P1	-16.984535	0.277568	-0.051238
15	P1	-13.116671	0.151659	0.012548
19	P1	-14.442852	0.048677	-0.150271
22	P1	-16.025869	0.419164	-0.061504
26	P1	-15.133060	0.238190	0.084790
30	P1	-17.098867	0.345247	-0.078555

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.994177	0.087119	0.123268
7	P2	-21.925041	0.105200	0.076896
11	P2	-15.800932	0.121884	0.061723
15	P2	-7.133797	0.101610	0.009979
19	P2	-9.136482	0.091006	-0.010082
22	P2	-18.151014	0.086052	-0.011176
26	P2	-16.399620	0.093688	-0.043319
30	P2	-19.526955	0.093578	0.039071

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.175339	0.002950	0.001154
7	P3	-8.175339	0.002950	0.001154
11	P3	-8.175339	0.002950	0.001154
15	P3	-8.175339	0.002950	0.001154
19	P3	-8.175339	0.002950	0.001154
22	P3	-8.175339	0.002950	0.001154
26	P3	-8.175339	0.002950	0.001154
30	P3	-8.175339	0.002950	0.001154

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	-3.800367	0.030426	-0.124095
7	P1	-2.562241	0.008024	0.017760
11	P1	-2.859078	0.014464	0.024547
15	P1	-3.564930	0.028584	-0.040371
19	P1	-3.417947	0.013533	-0.023201
22	P1	-5.090146	0.020135	0.042995
26	P1	-5.858601	0.015810	-0.018886
30	P1	-5.194917	0.026679	-0.042007
3	P1	-11.588348	0.098885	-0.212965
7	P1	-9.971472	0.033794	0.042264
11	P1	-10.246164	0.058135	0.031295
15	P1	-10.752404	0.141911	0.014642
19	P1	-15.533180	0.075136	-0.060663
22	P1	-20.918379	1.233155	-0.064409

26	P1	-16.325632	0.375348	0.152853
30	P1	-17.894291	0.407842	-0.117786

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.641640	0.071148	0.211390
7	P2	-22.412878	0.127195	0.130296
11	P2	-11.058002	0.042484	0.089600
15	P2	-4.915907	0.045908	0.031175
19	P2	-6.876496	0.041869	0.038045
22	P2	-8.198661	0.037408	0.021103
26	P2	-24.184771	0.063382	0.040351
30	P2	-22.018650	0.049890	0.059152

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.014884	0.003742	0.014062
7	P3	-8.014846	0.003737	0.014738
11	P3	-8.014698	0.003750	0.014196
15	P3	-8.014845	0.003745	0.014474
19	P3	-8.014807	0.003740	0.014852
22	P3	-8.014887	0.003732	0.014137
26	P3	-8.014828	0.003736	0.014129
30	P3	-8.014838	0.003730	0.014577

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	0.000569306
	stdev	1.64364e-07
MEAN Q	mean	0.000545303
	stdev	2.11554e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.138085
	stdev	0.00107969
STDEV Q	mean	0.138441
	stdev	0.00109765

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006071[678]
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_1PNPDE20060717_004744_000002292049_00288_22887_1022.N1	1	0
ASA_IMM_1PNPDE20060717_155733_000002182049_00298_22897_1101.N1	1	0
ASA_IMM_1PNPDE20060718_010021_000000822049_00303_22902_1205.N1	1	0
ASA_GM1_1PNPDK20060717_152259_000005982049_00297_22896_1183.N1	0	15
ASA_GM1_1PNPDK20060717_192314_000004532049_00300_22899_1194.N1	0	23

ASA_WSM_1PNPDE20060716_020953_000001832049_00275_22874_3293.N1	0	39
ASA_WSM_1PNPDE20060716_231436_000000972049_00288_22887_3385.N1	0	58
ASA_WSM_1PNPDE20060717_142239_000000852049_00297_22896_3436.N1	0	7

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

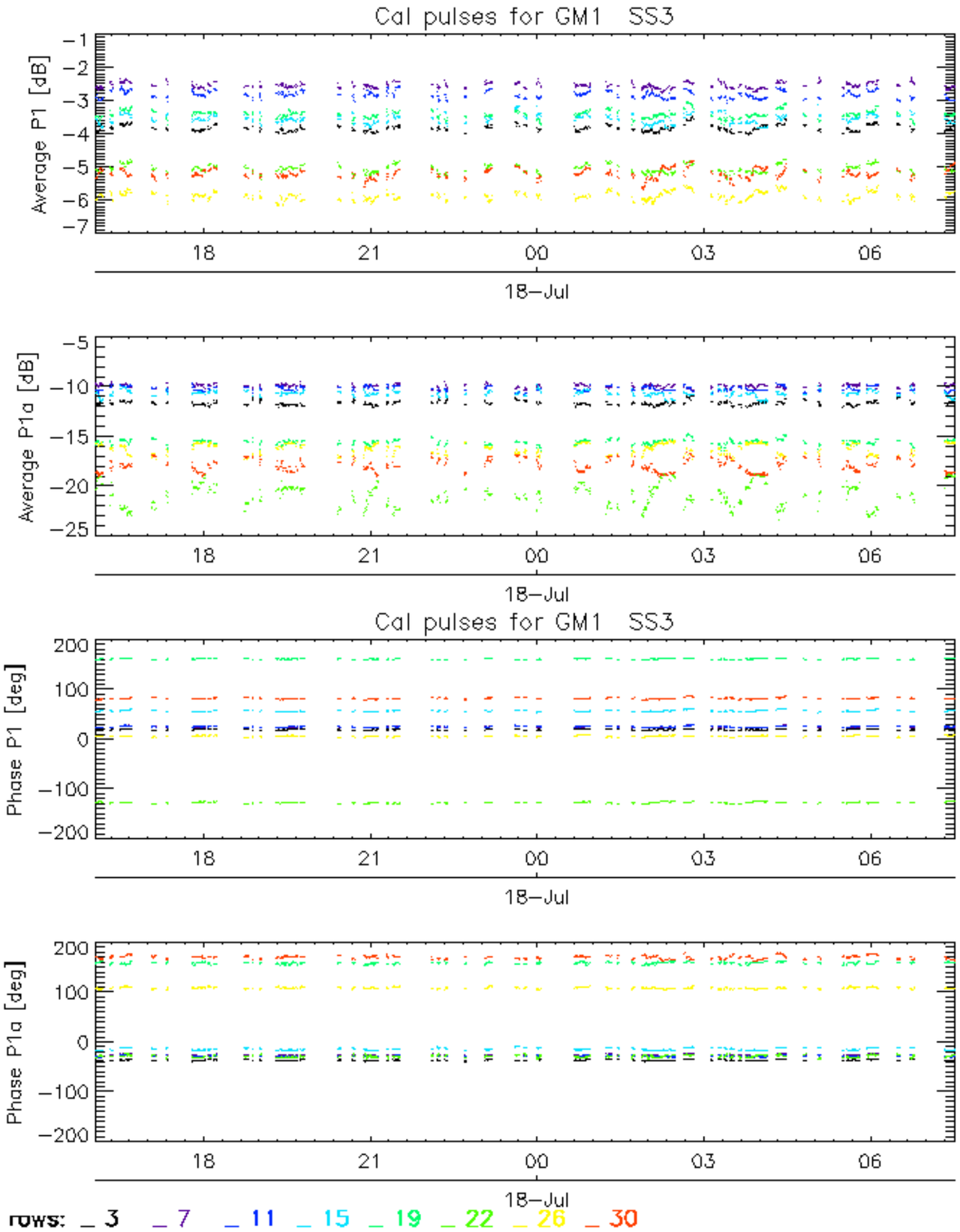
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

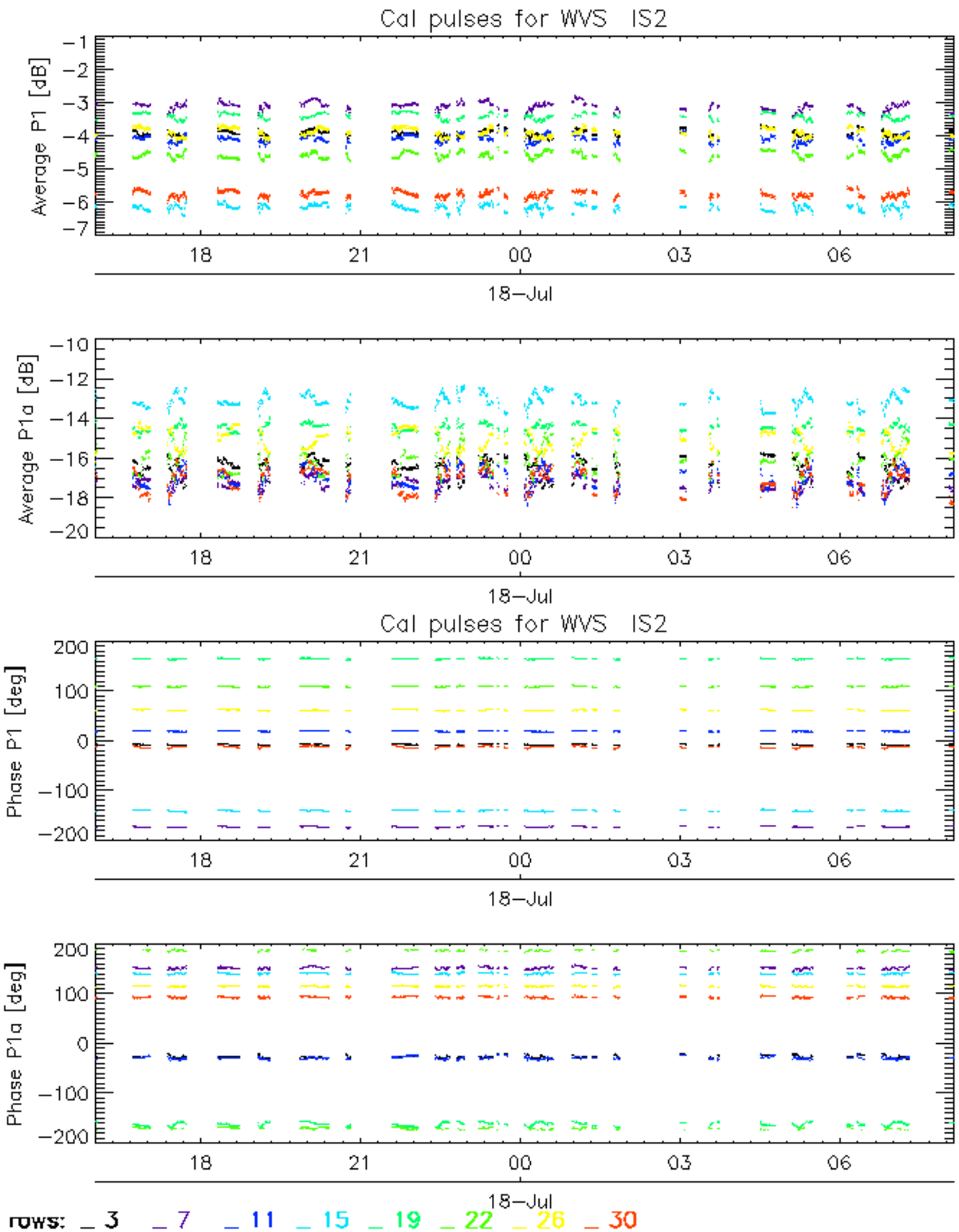
7.5 - Absolute Doppler for GM1

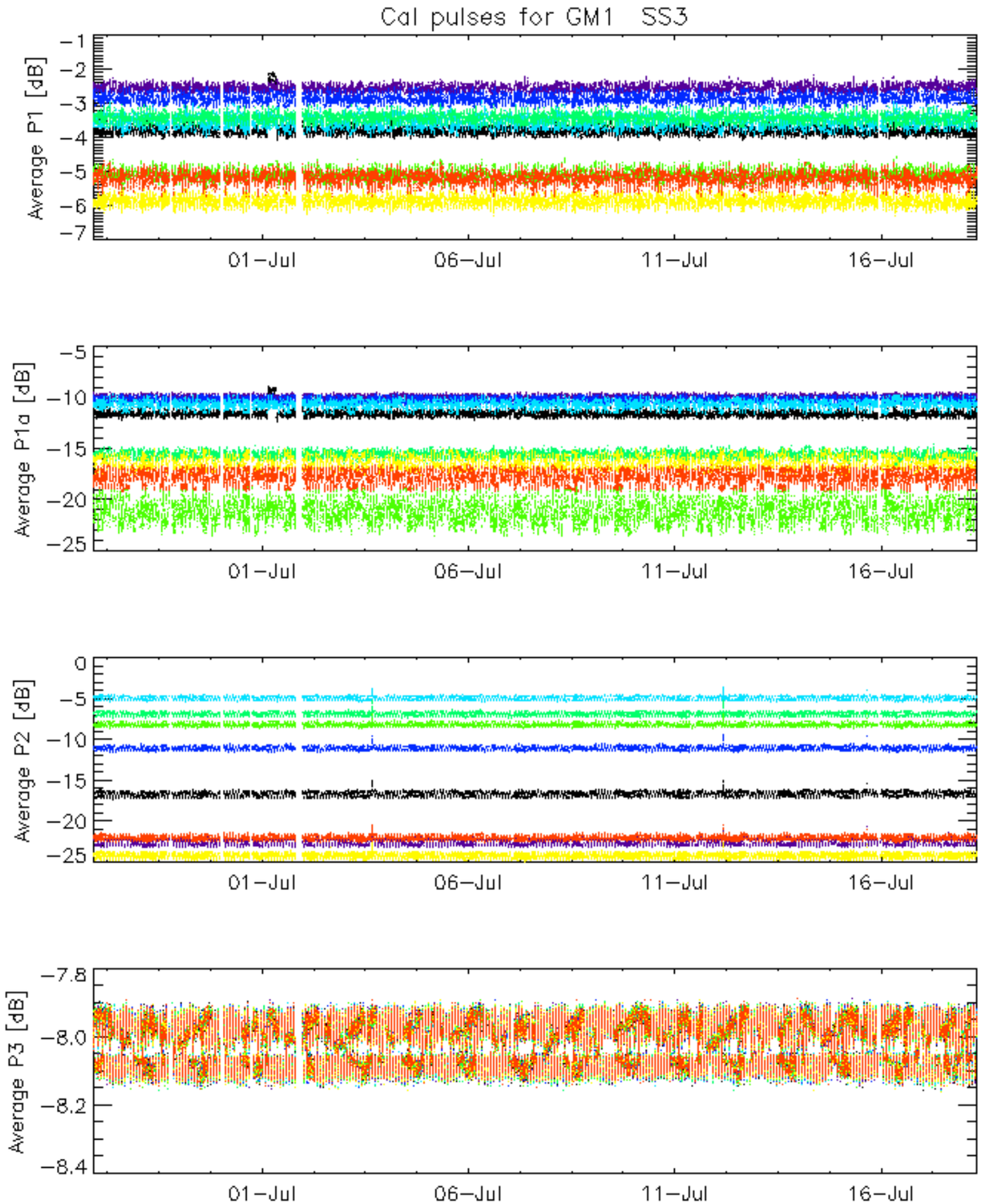
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

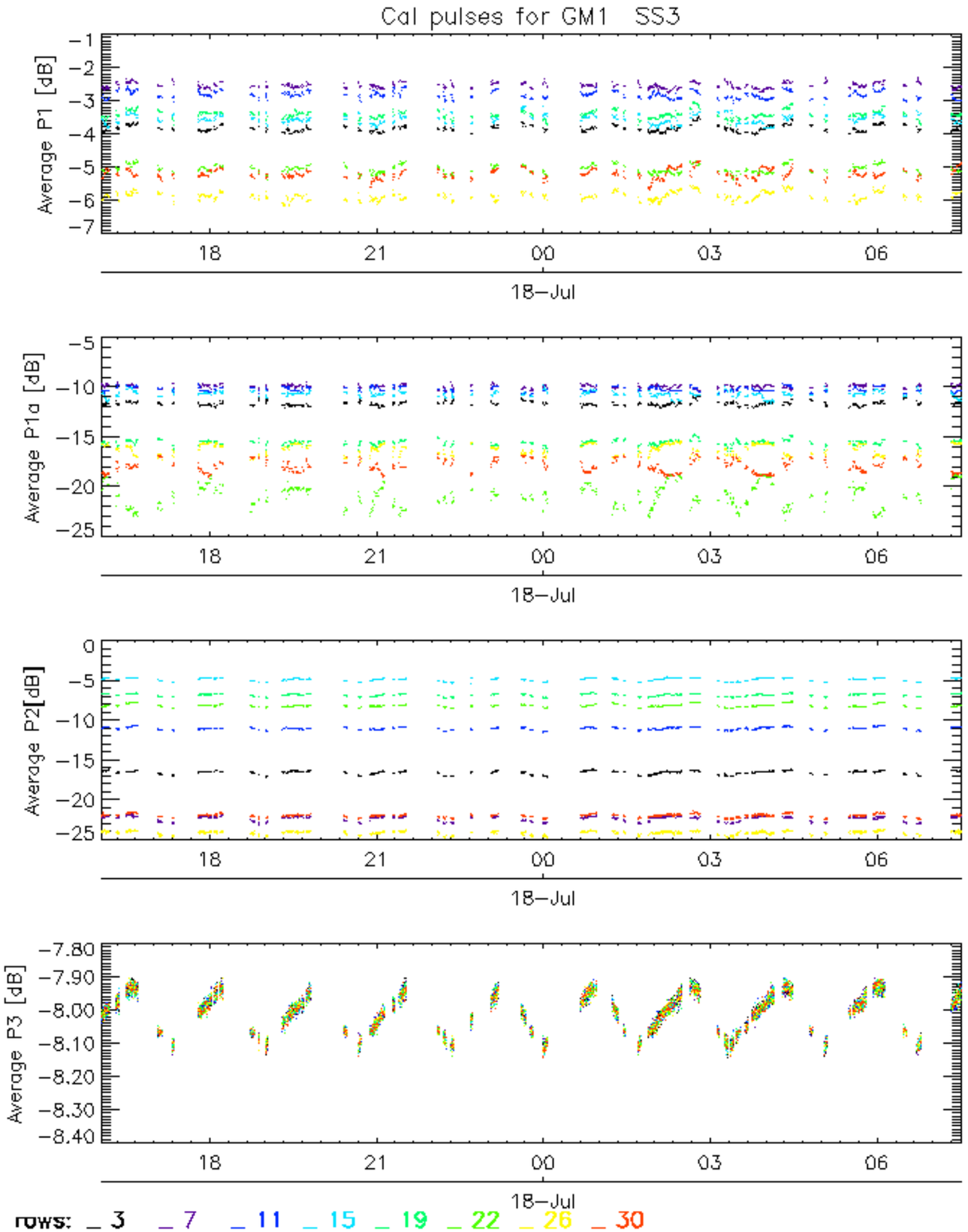
7.6 - Doppler evolution versus ANX for GM1

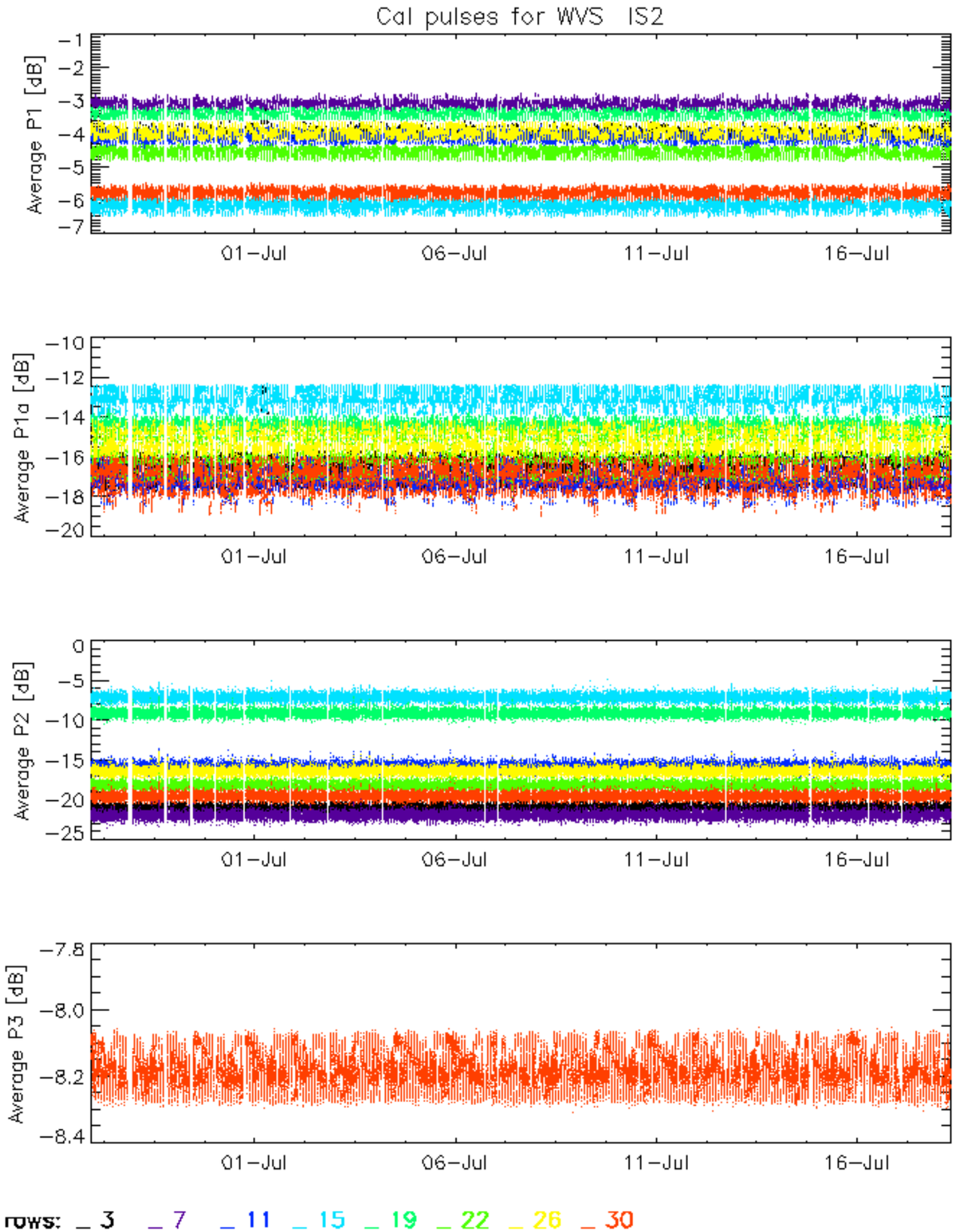
Evolution Doppler error versus ANX
☒

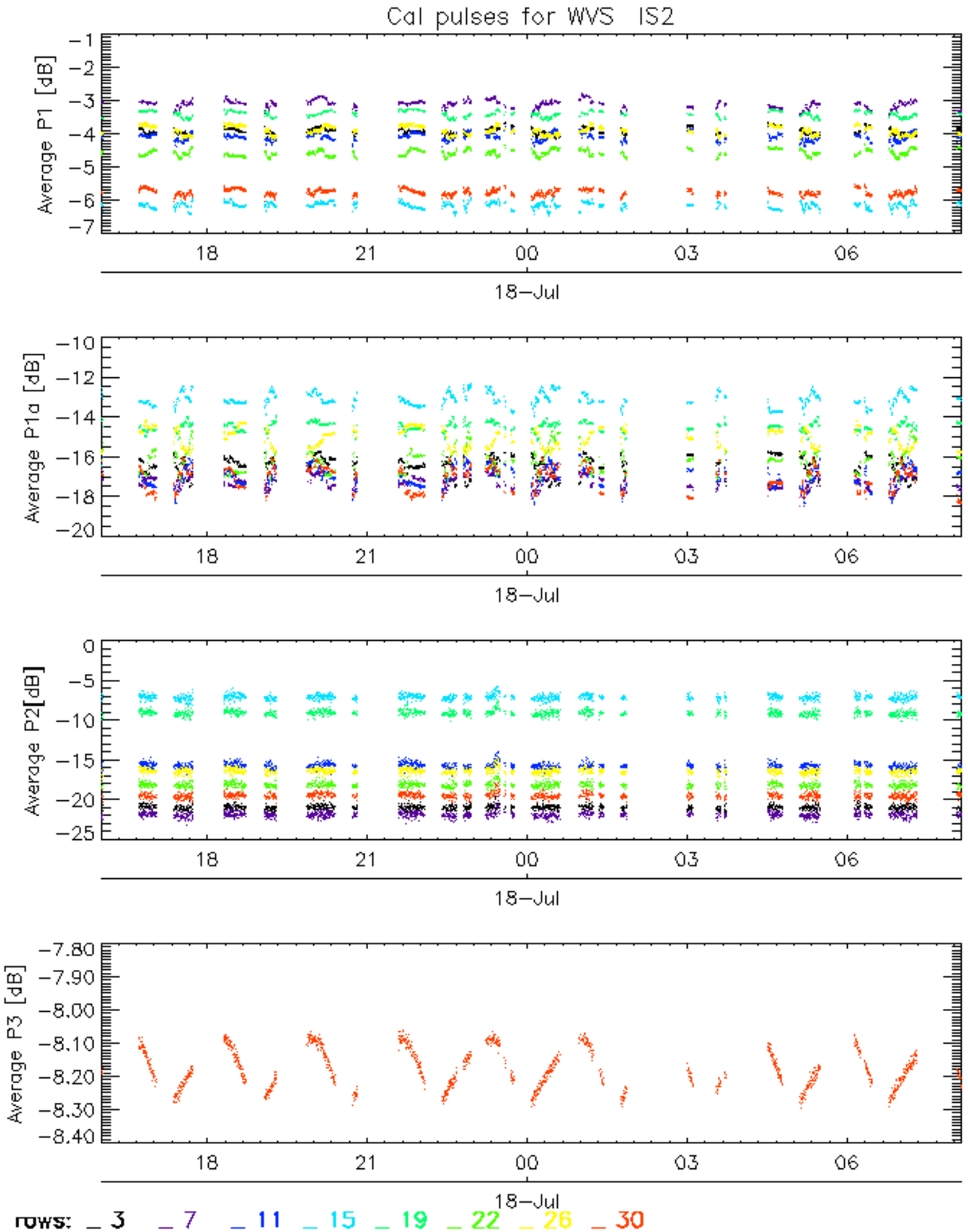

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
18−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
18−Jul
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
18−Jul
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
18−Jul
rows: _ 3 _ 7 _ 11 _ 15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


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

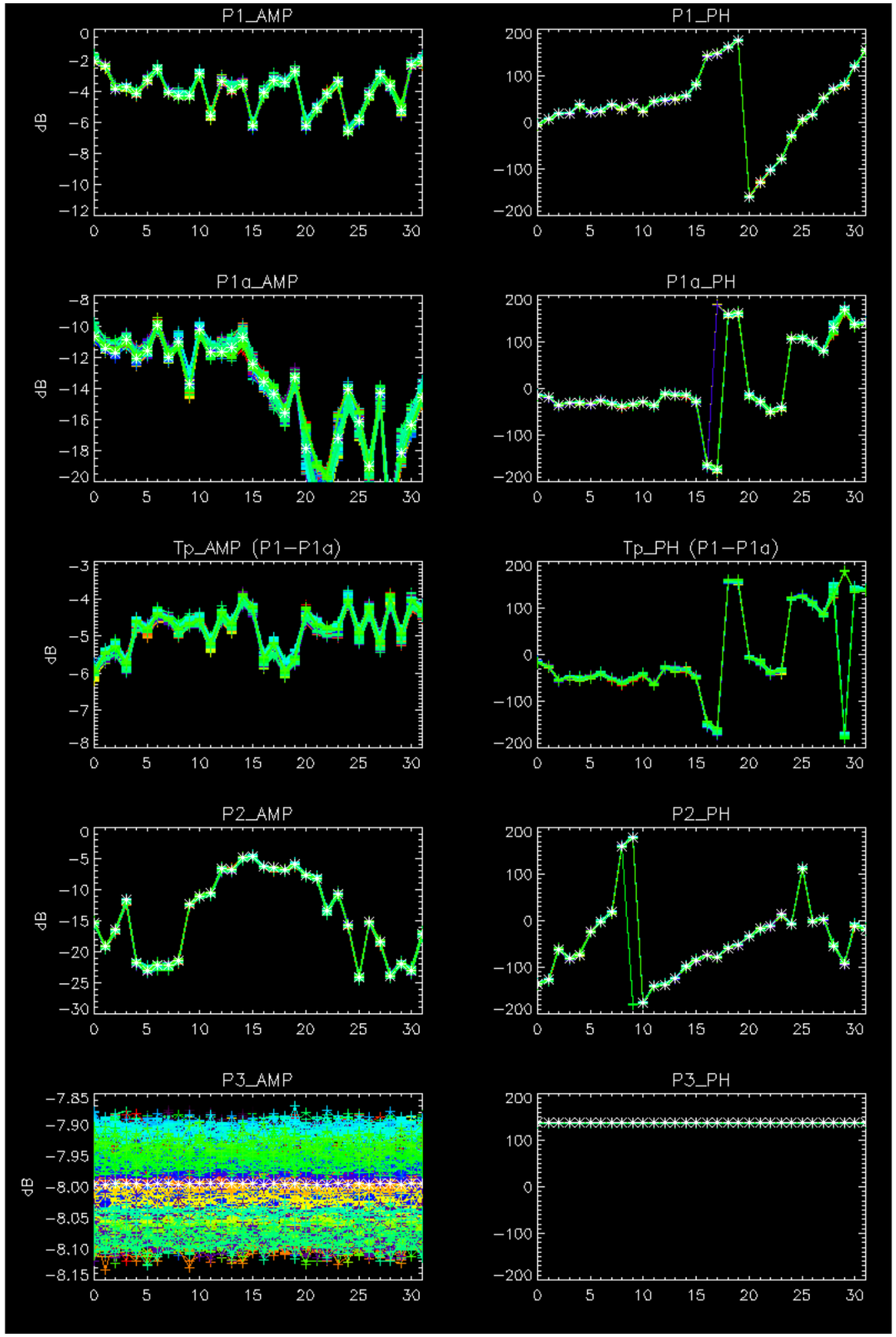

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01−Jul
06−Jul
11−Jul
16−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
Average P2 [dB]
0
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
01−Jul
06−Jul
11−Jul
16−Jul
rows: _ 3 _ 7 _ 11 _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

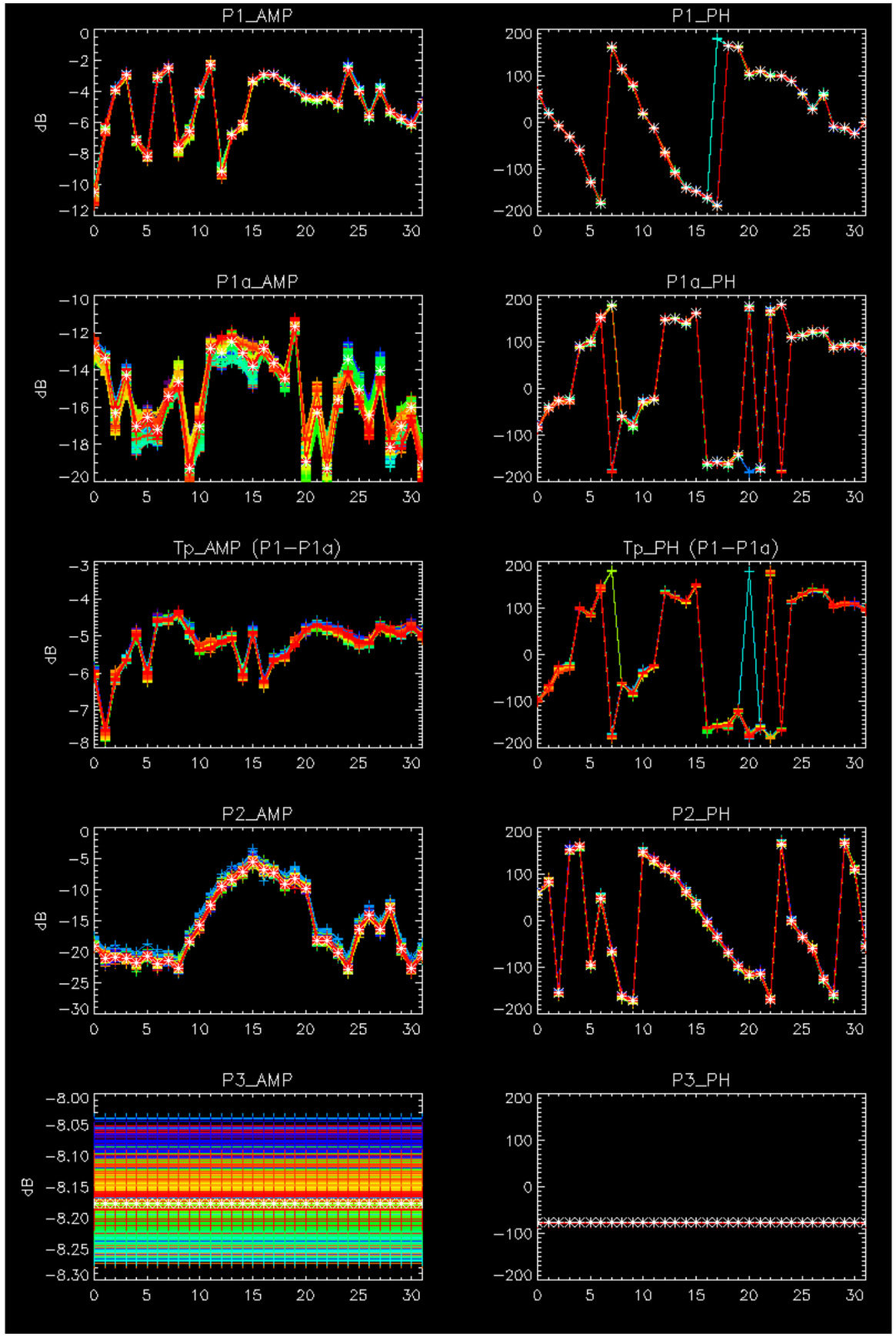

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
18–Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
18–Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
18–Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
18–Jul
rows: _ 3 _ 7 _ 11 _ 15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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01−Jul
06−Jul
11−Jul
16−Jul
Average P1a [dB]
−10
−12
−14
−16
−18
−20
01−Jul
06−Jul
11−Jul
16−Jul
Average P2 [dB]
0
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
01−Jul
06−Jul
11−Jul
16−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
18−Jul
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
18−Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
18−Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
18−Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

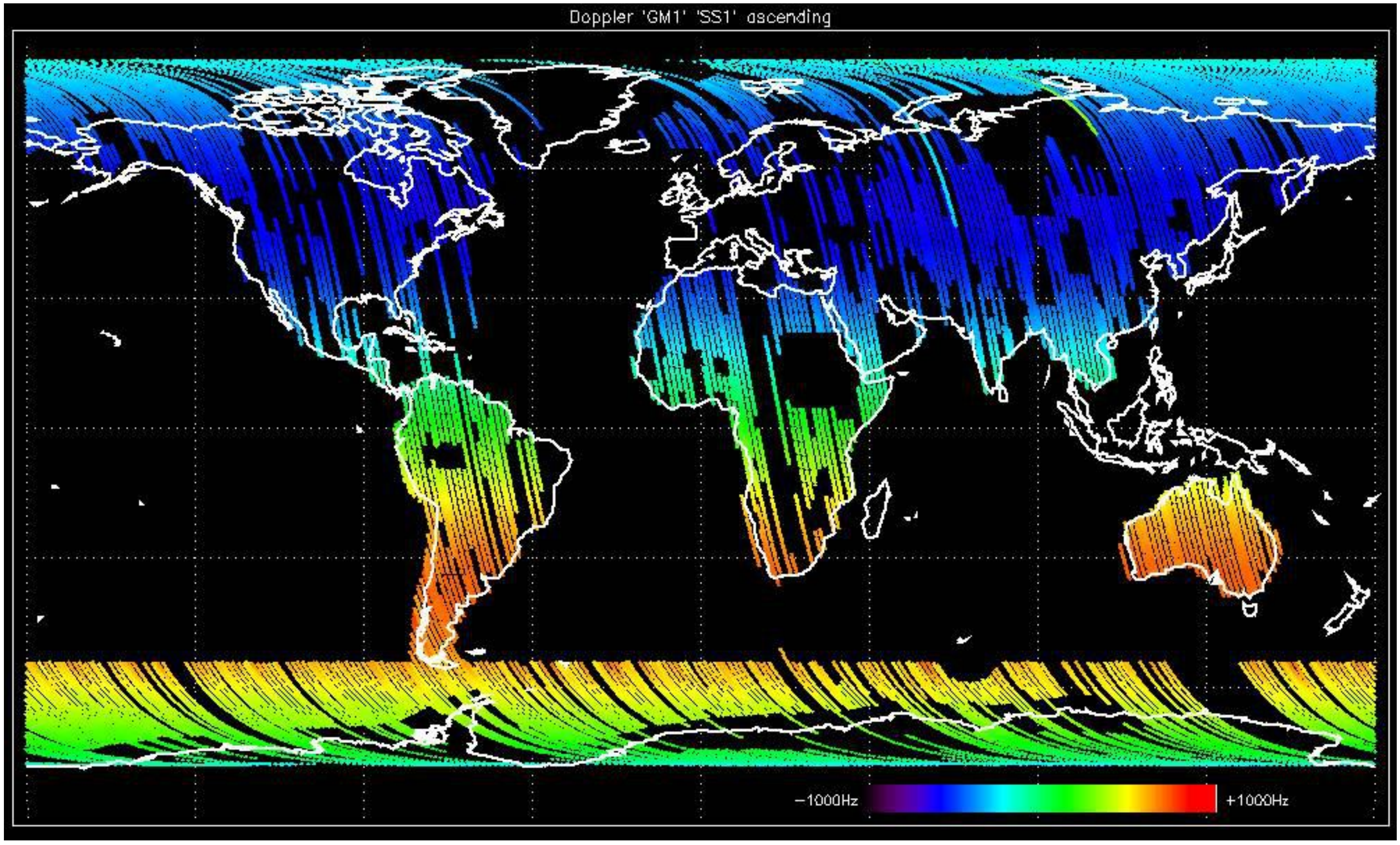
No anomalies observed.

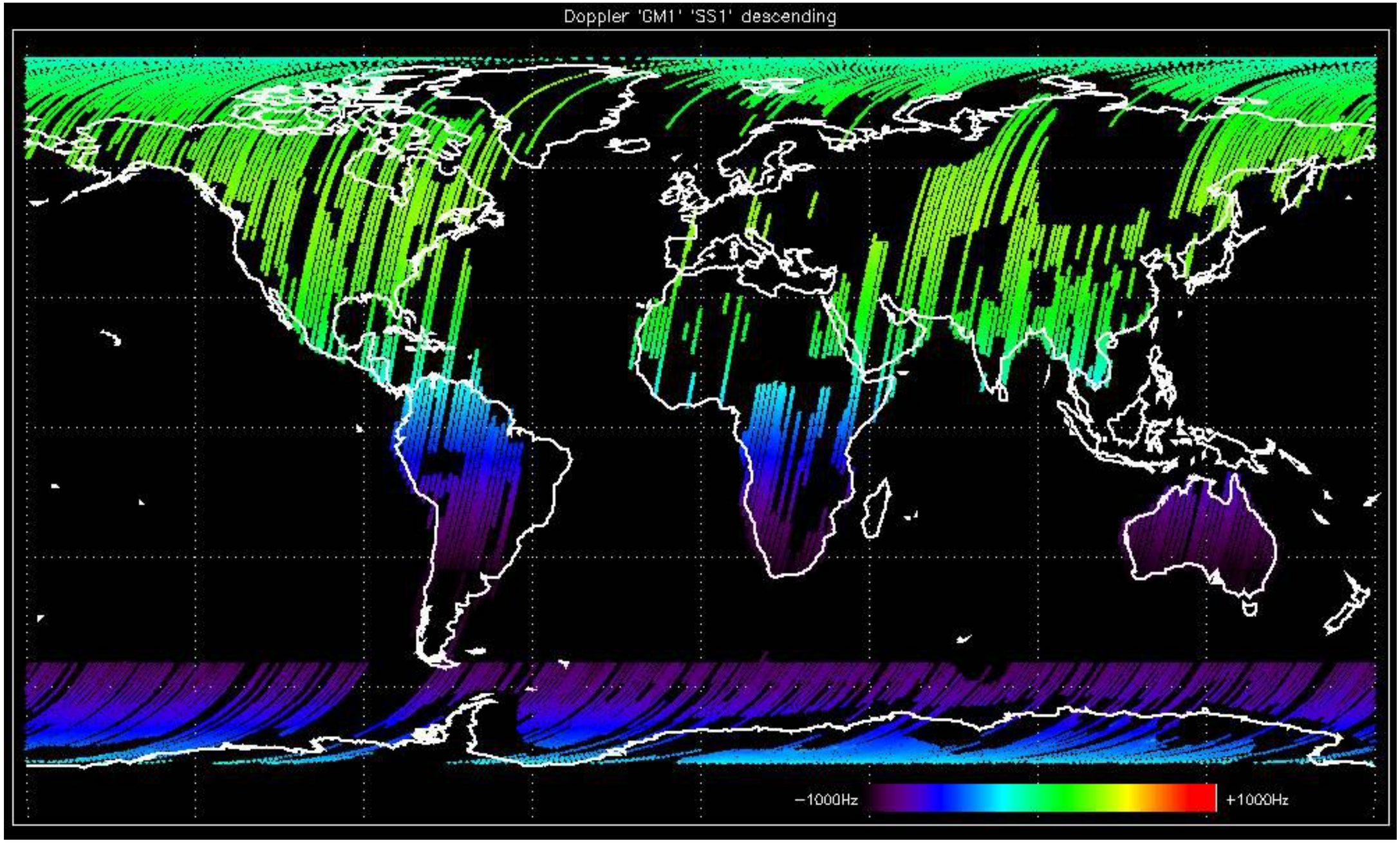

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

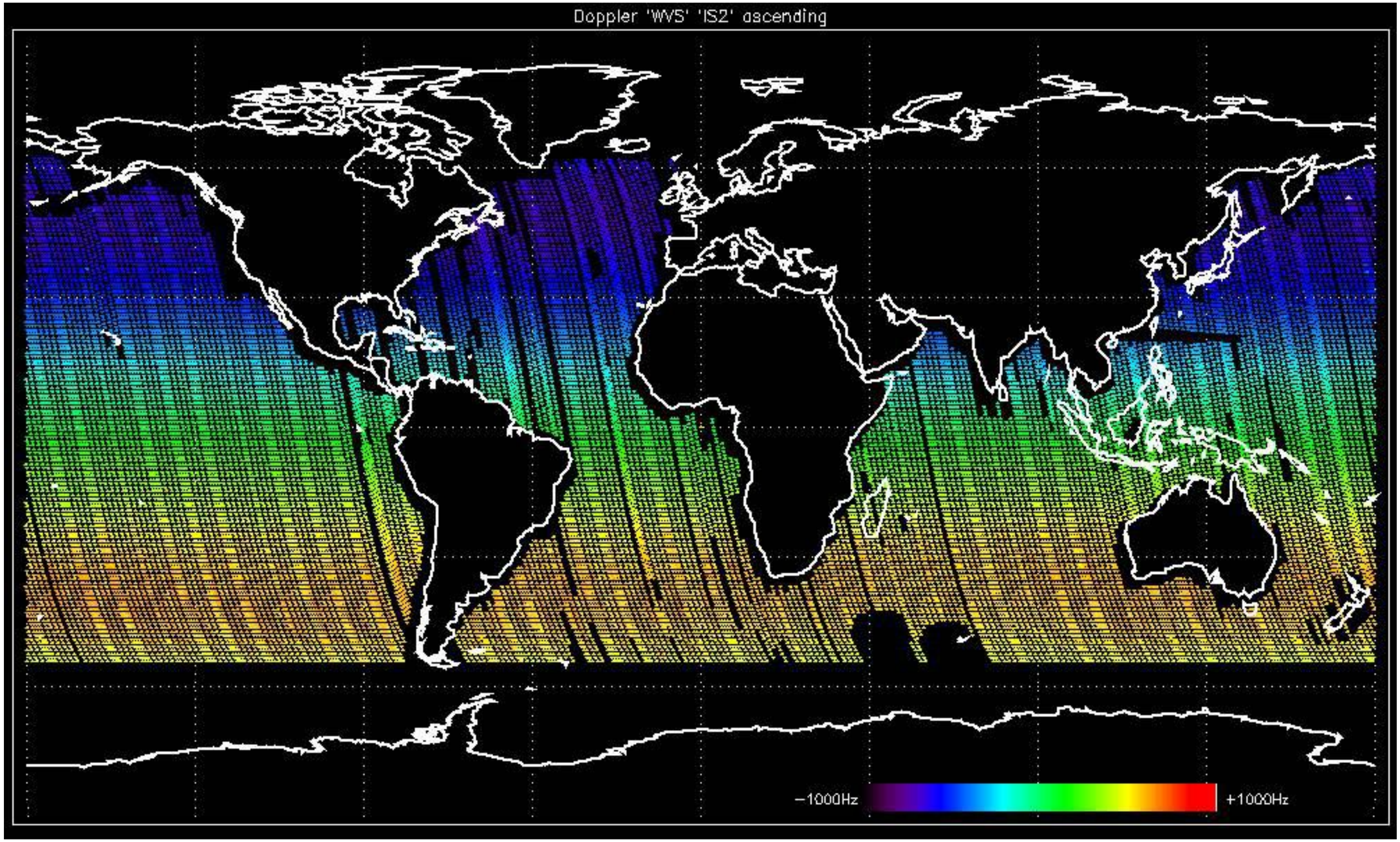

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

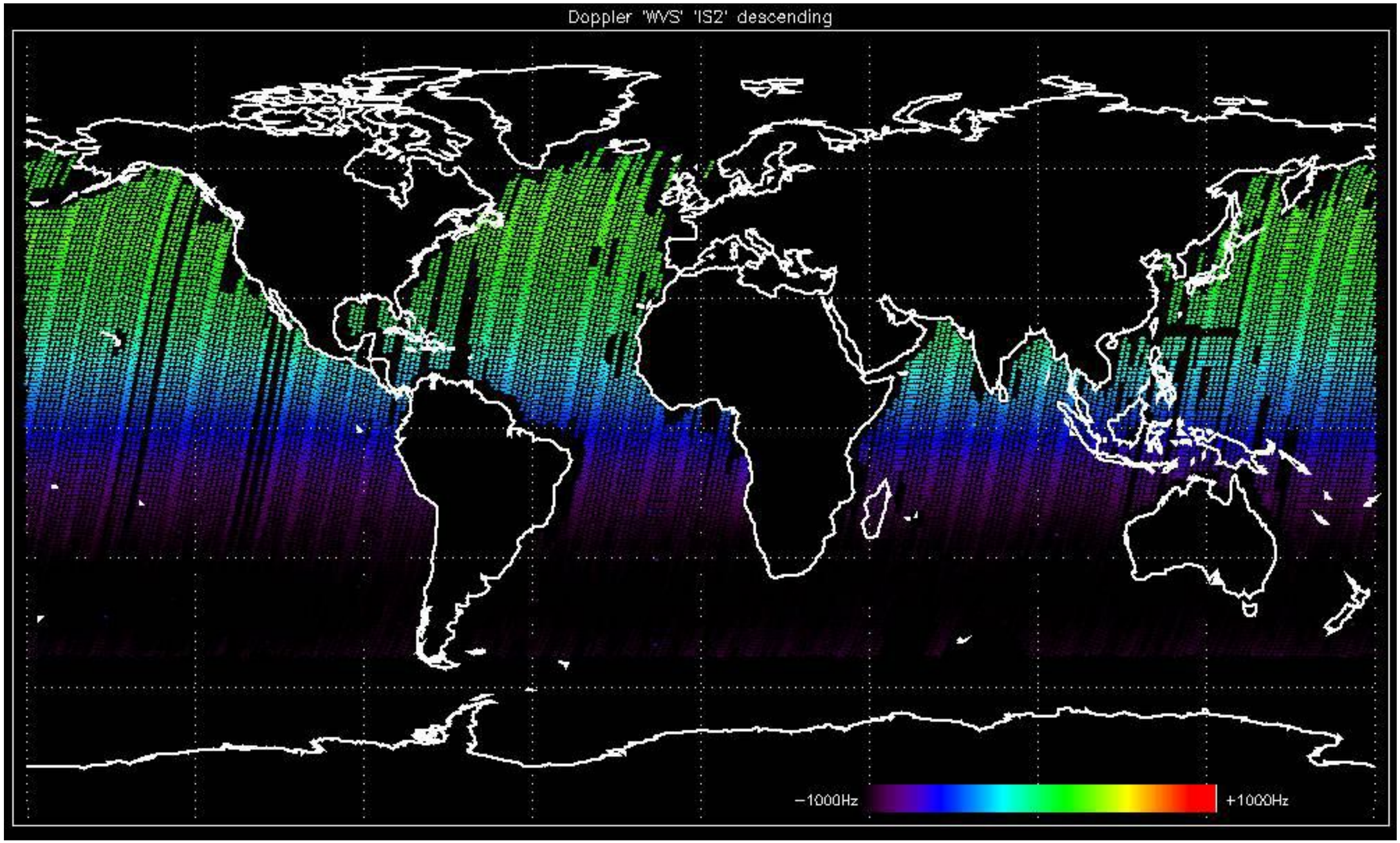
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

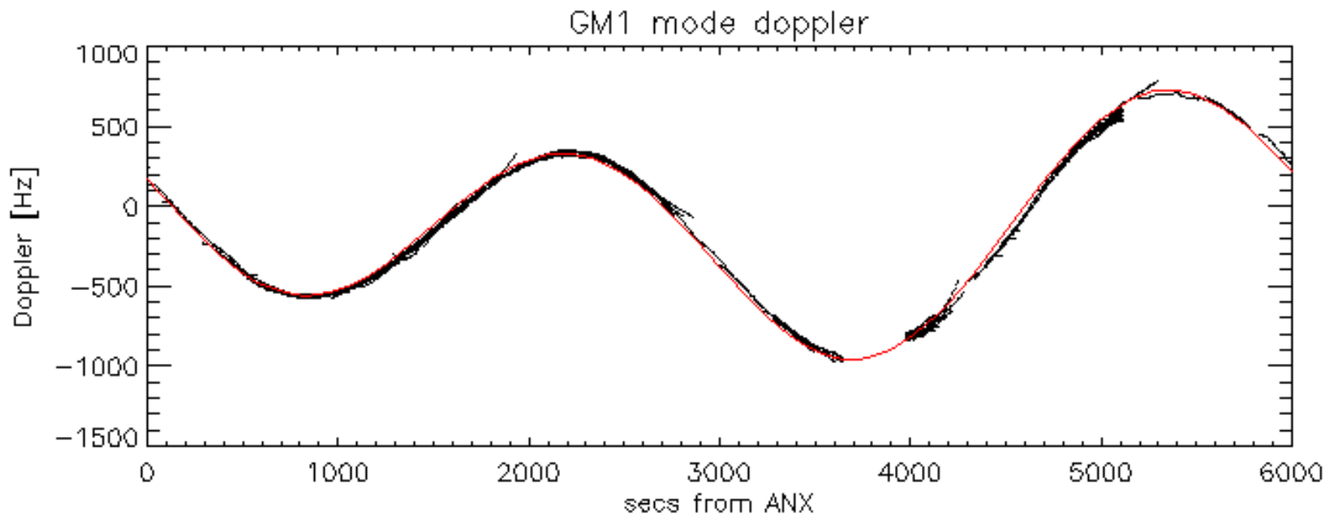
Preliminary report.The data is not yet controled

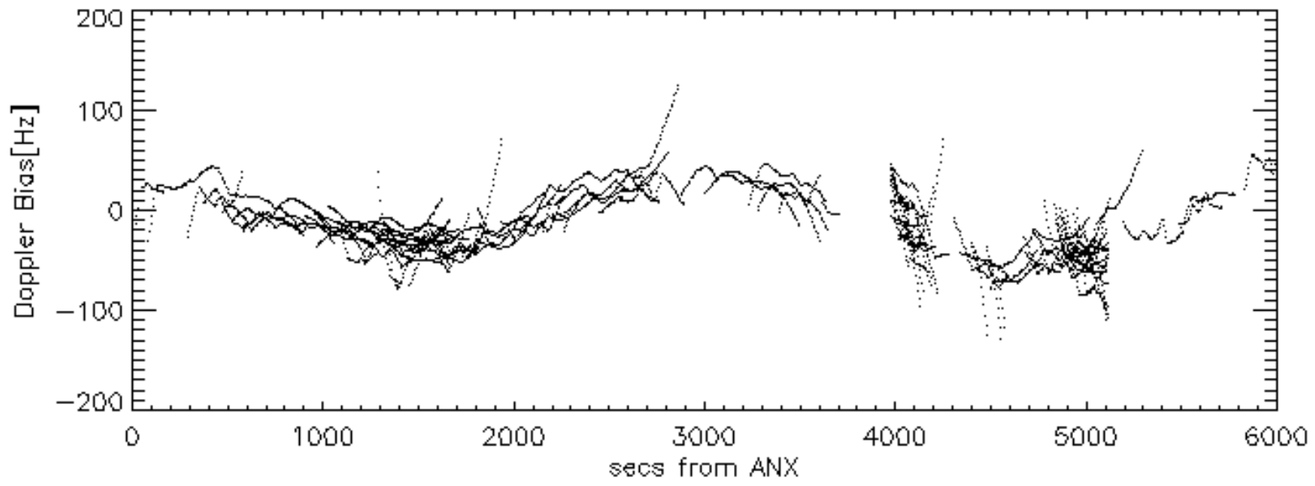

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

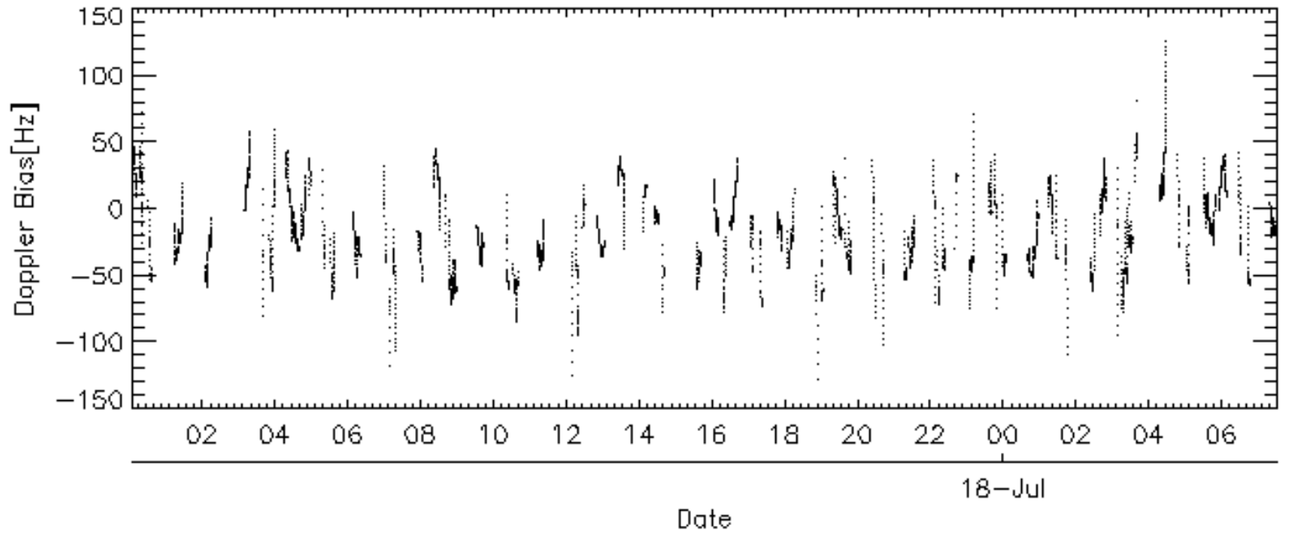

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

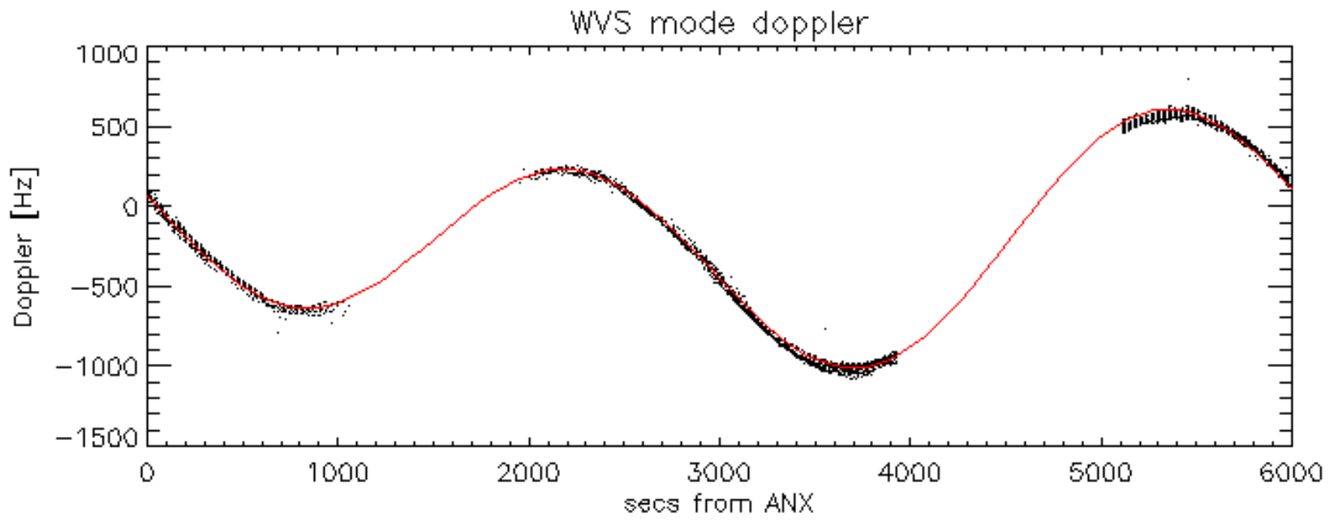

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

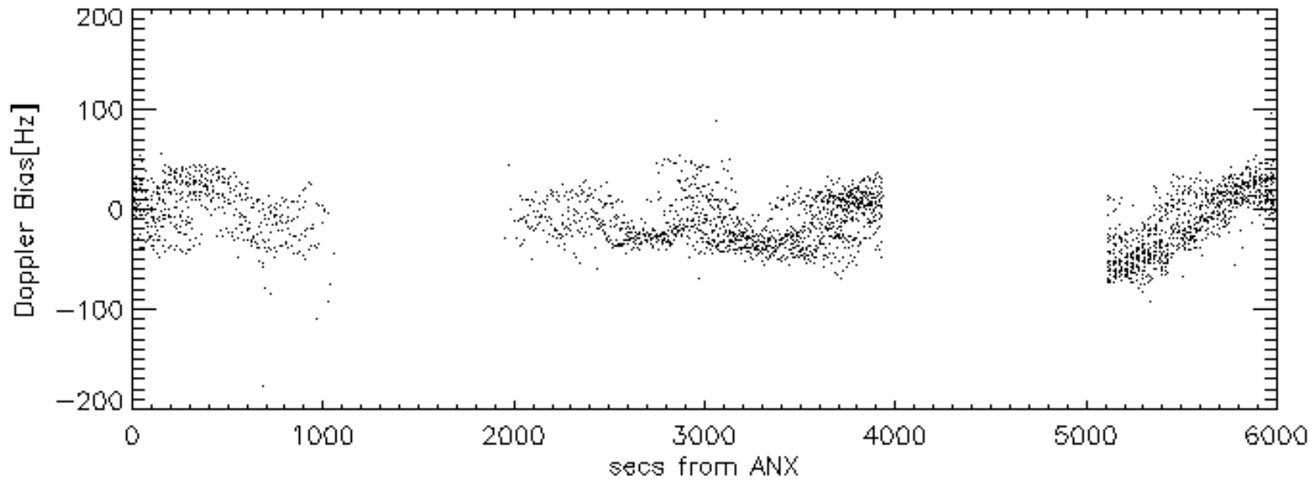

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

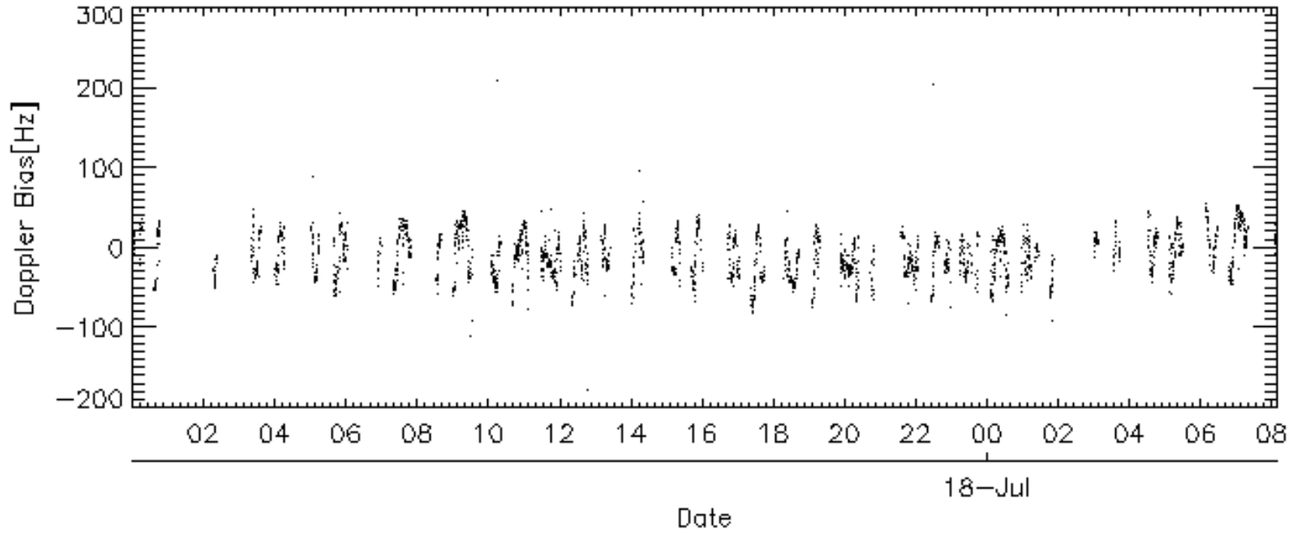

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

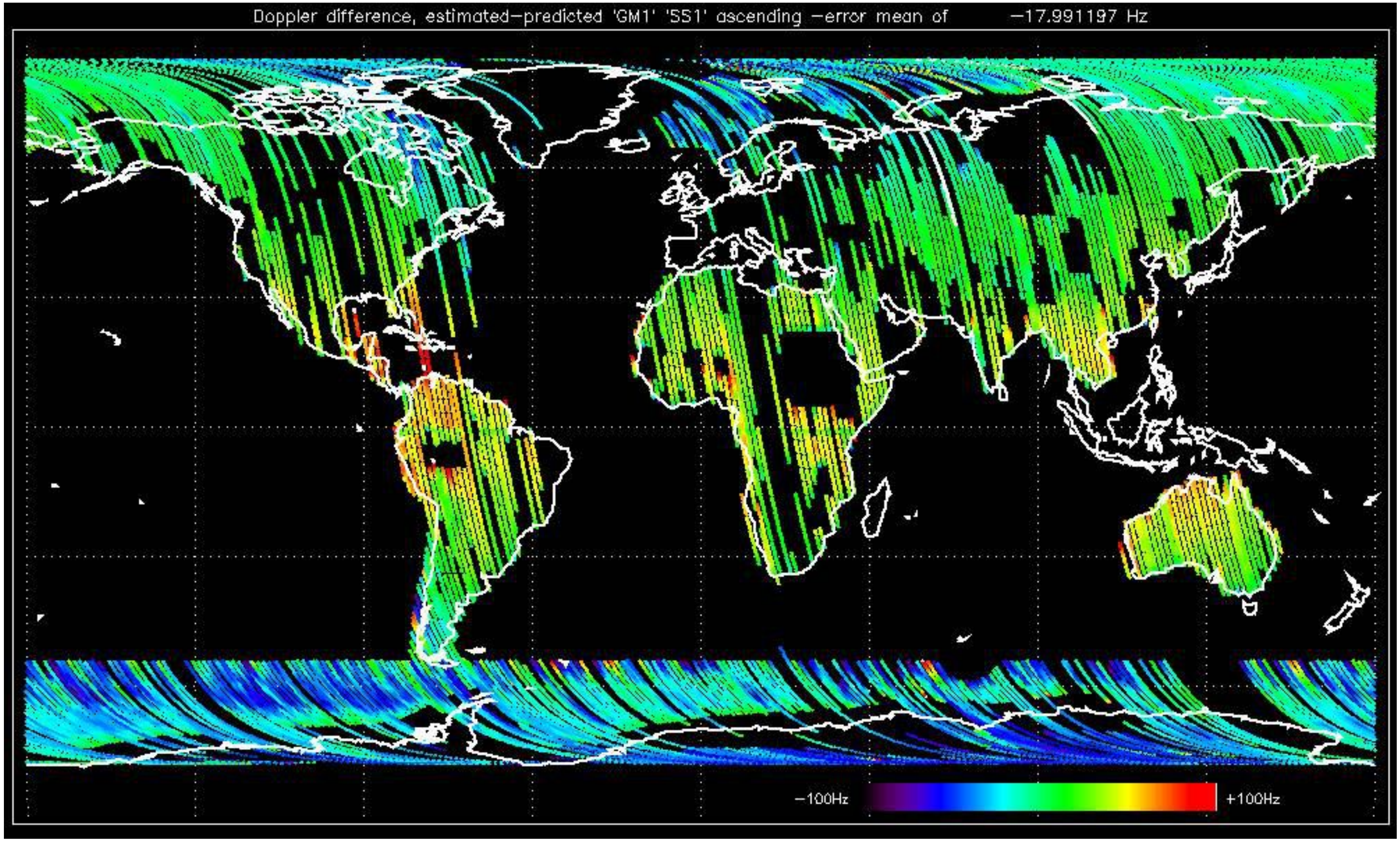

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

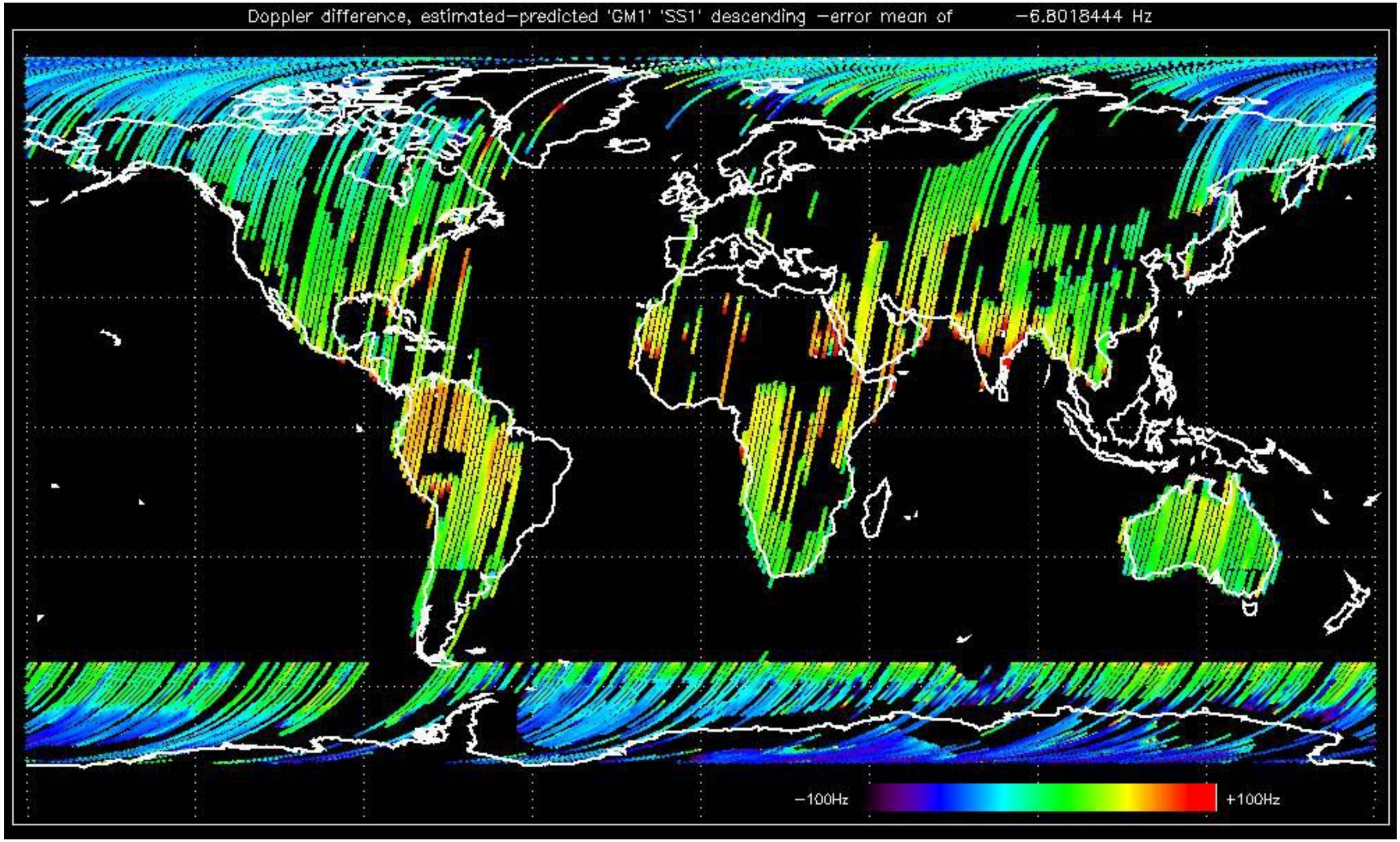

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
18−Jul
Date

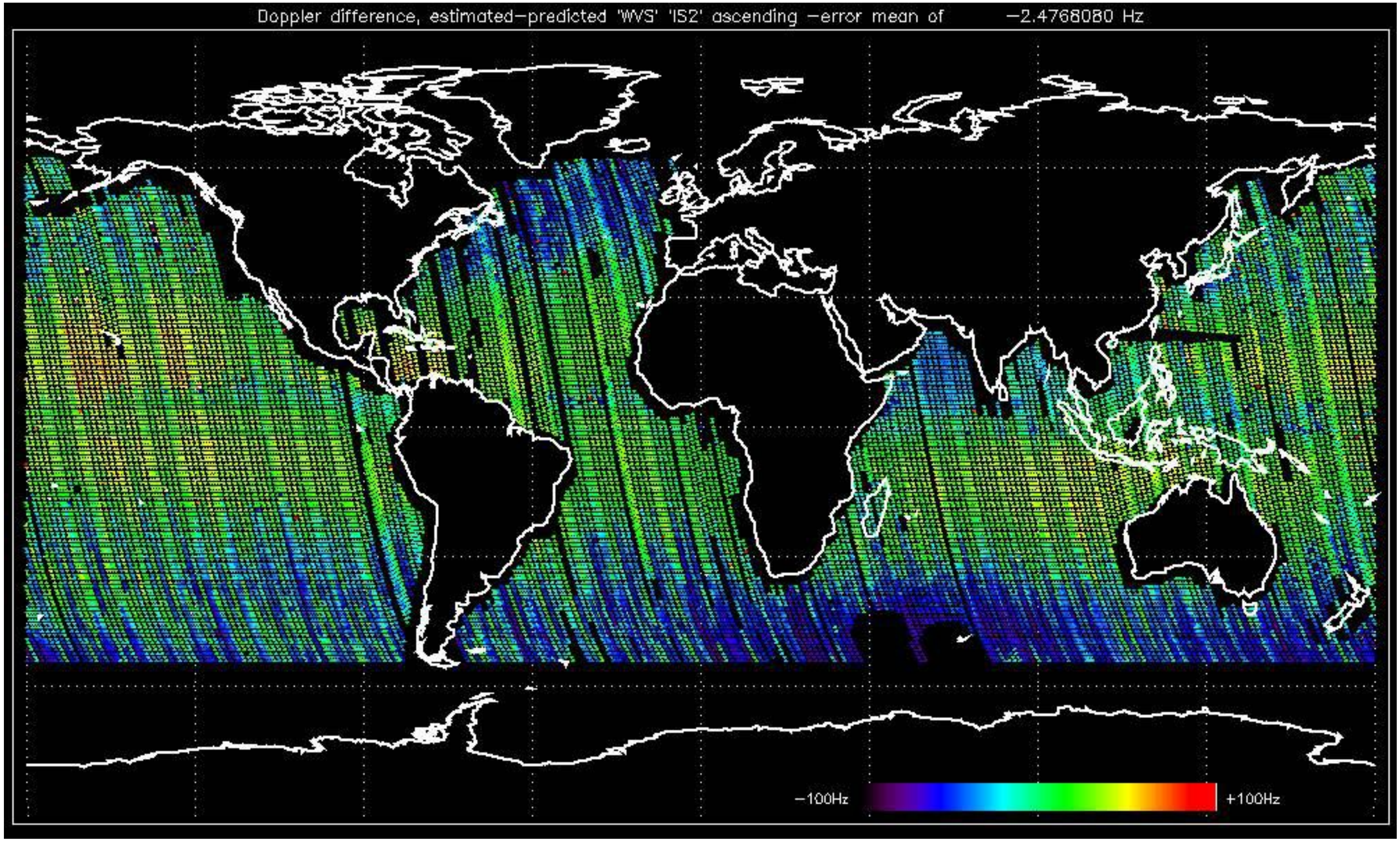

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

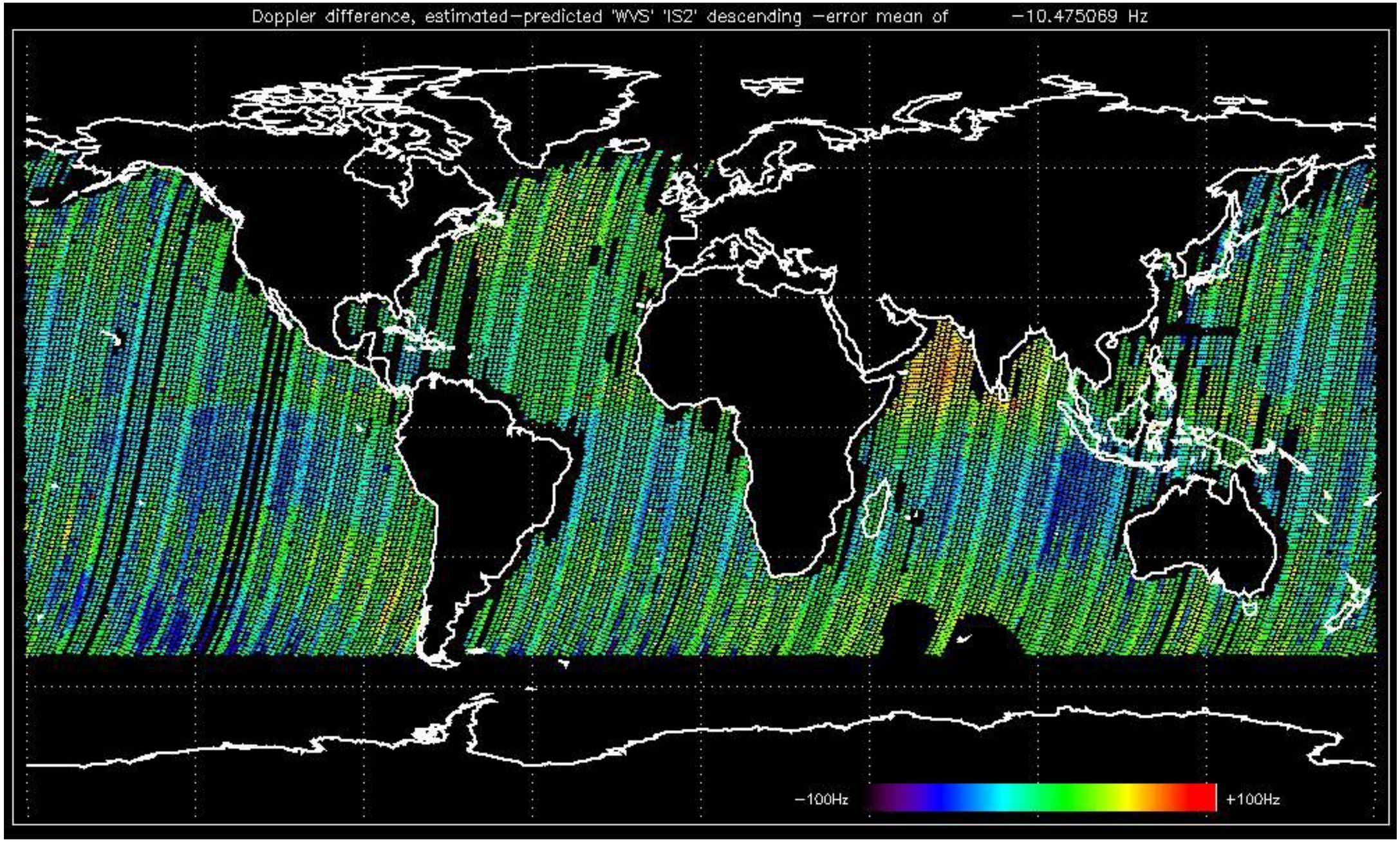

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
18−Jul
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.991197 Hz
−100Hz
+100Hz

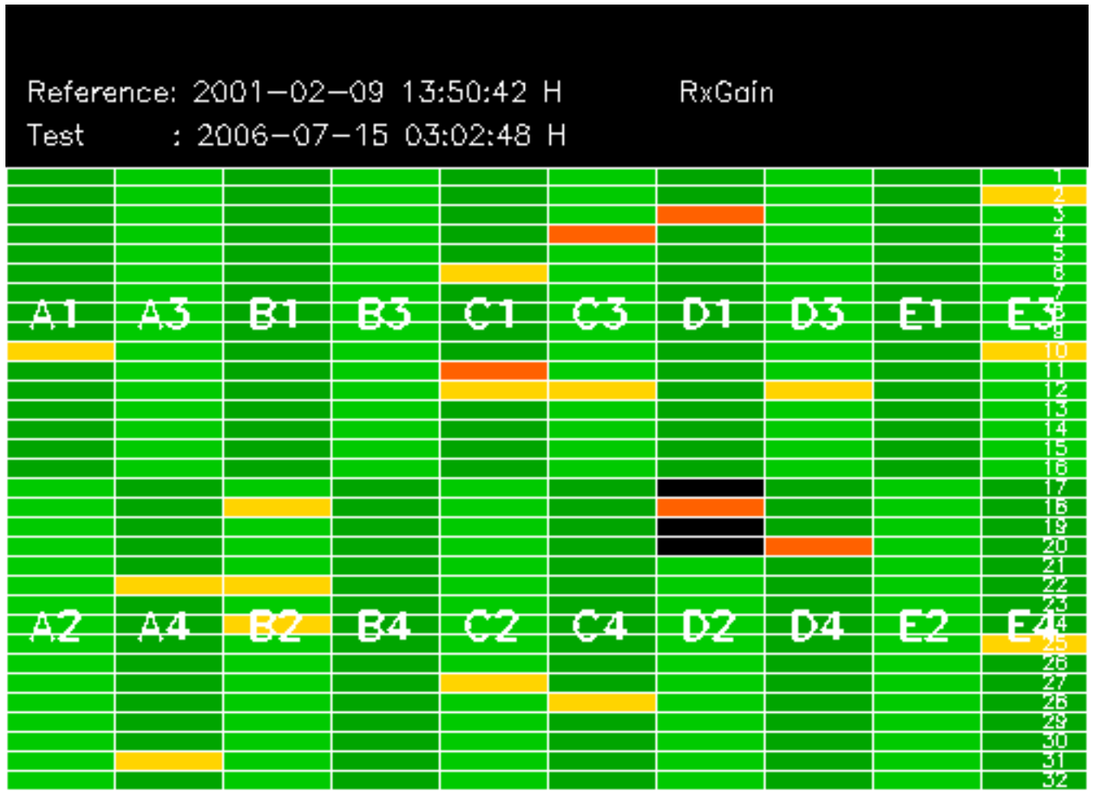

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −6.8018444 Hz
−100Hz
+100Hz

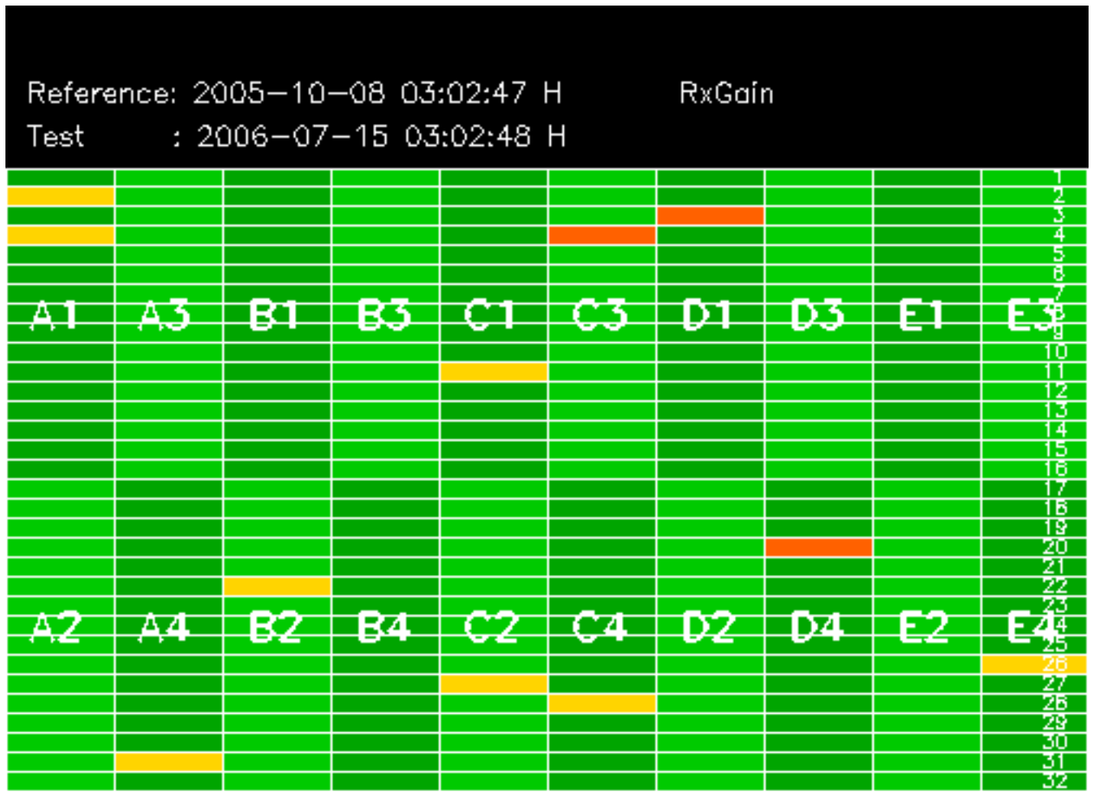

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −2.4768080 Hz
−100Hz
+100Hz

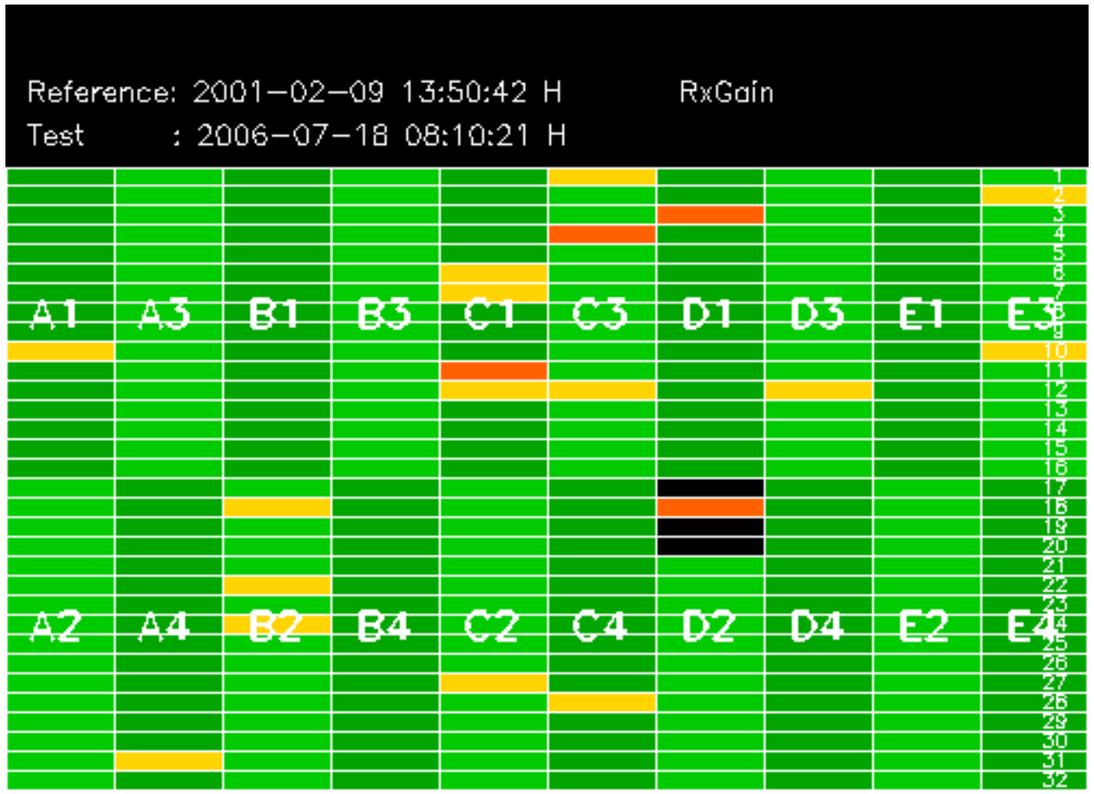

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.475069 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-15 03:02:48 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 : 2006-07-15 03:02:48 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 13:50:42 H
Test : 2006-07-18 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
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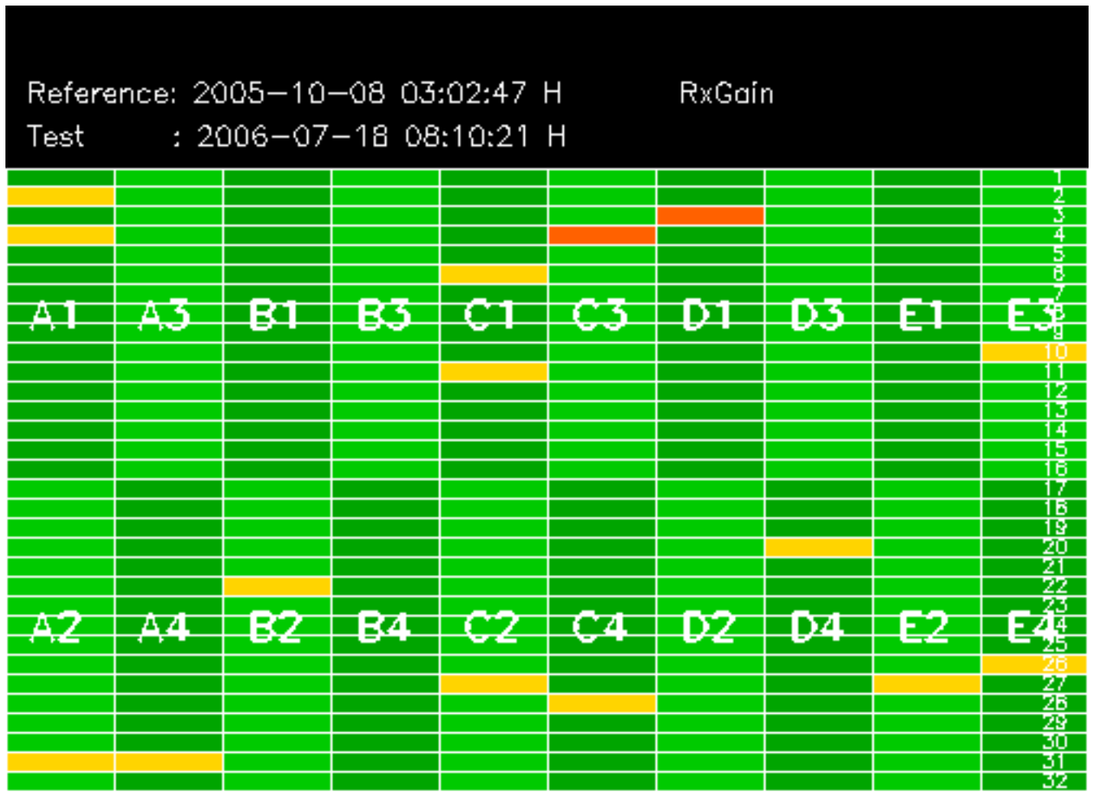
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-18 08:10:21 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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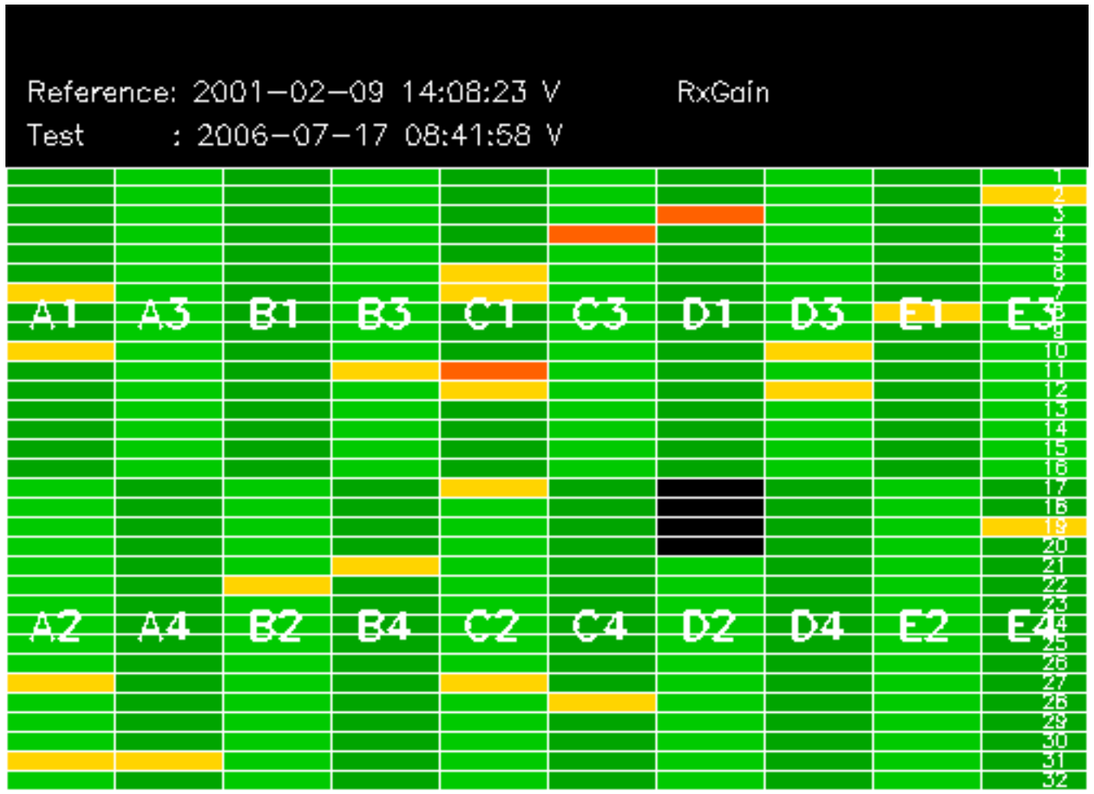
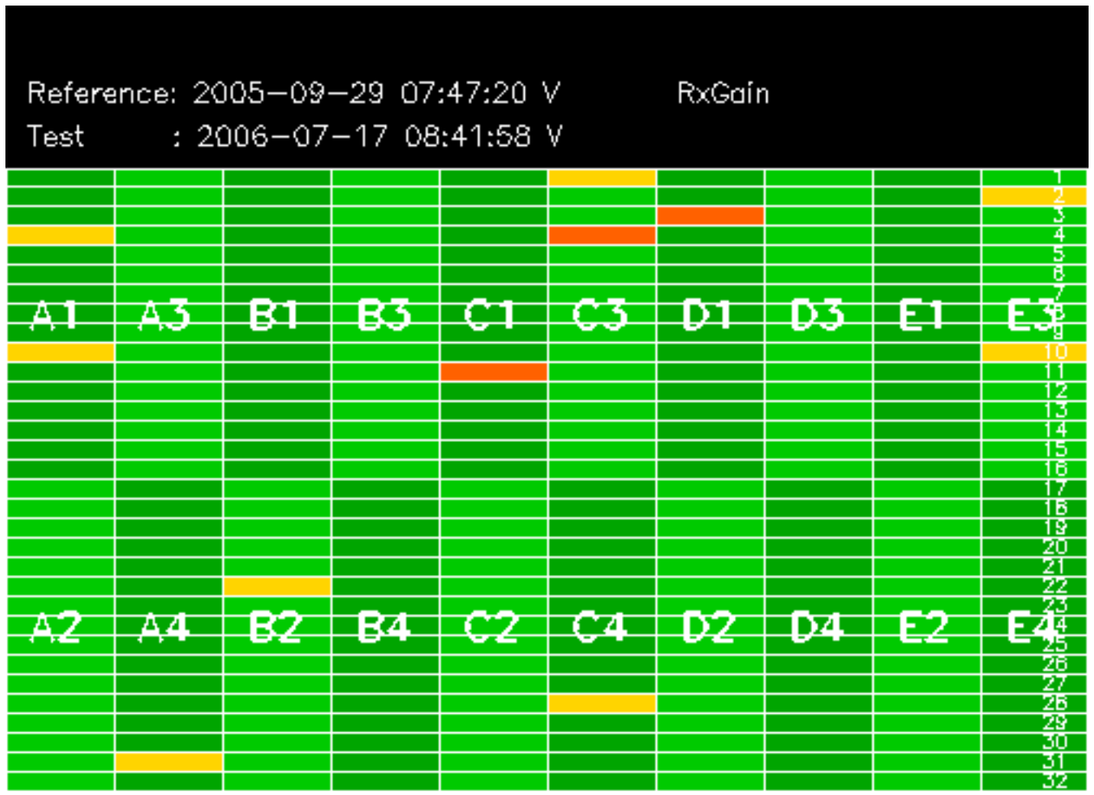
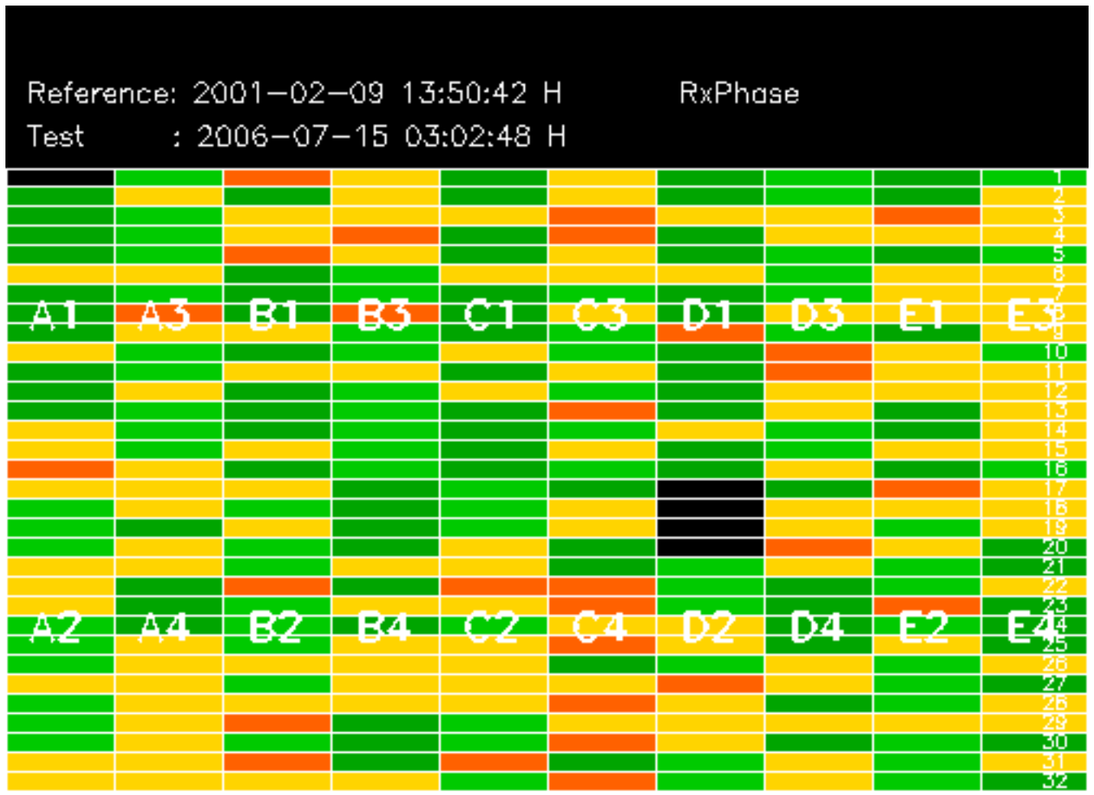
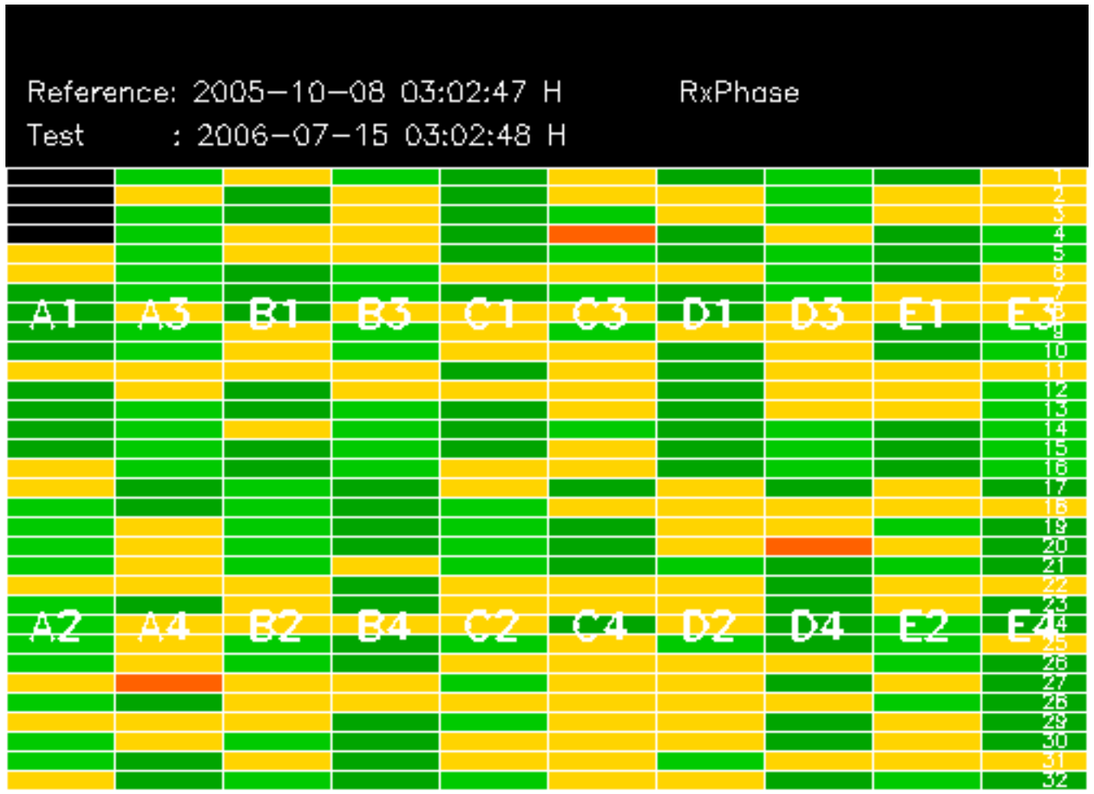
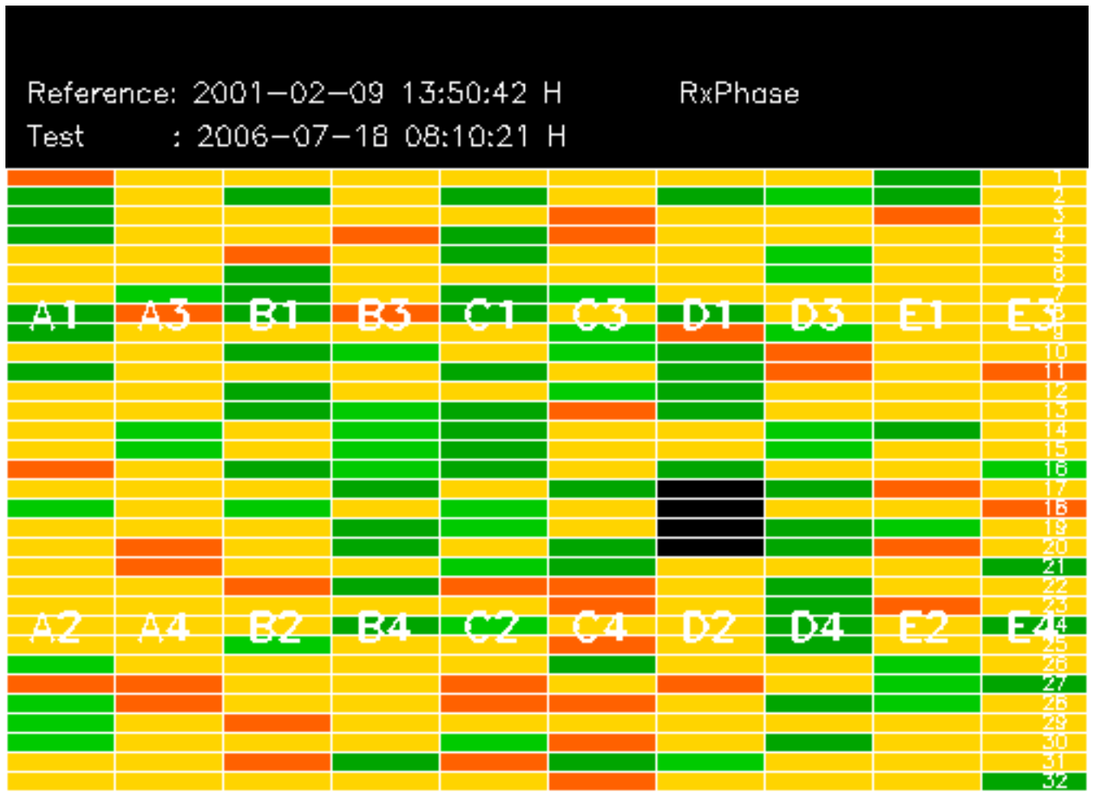
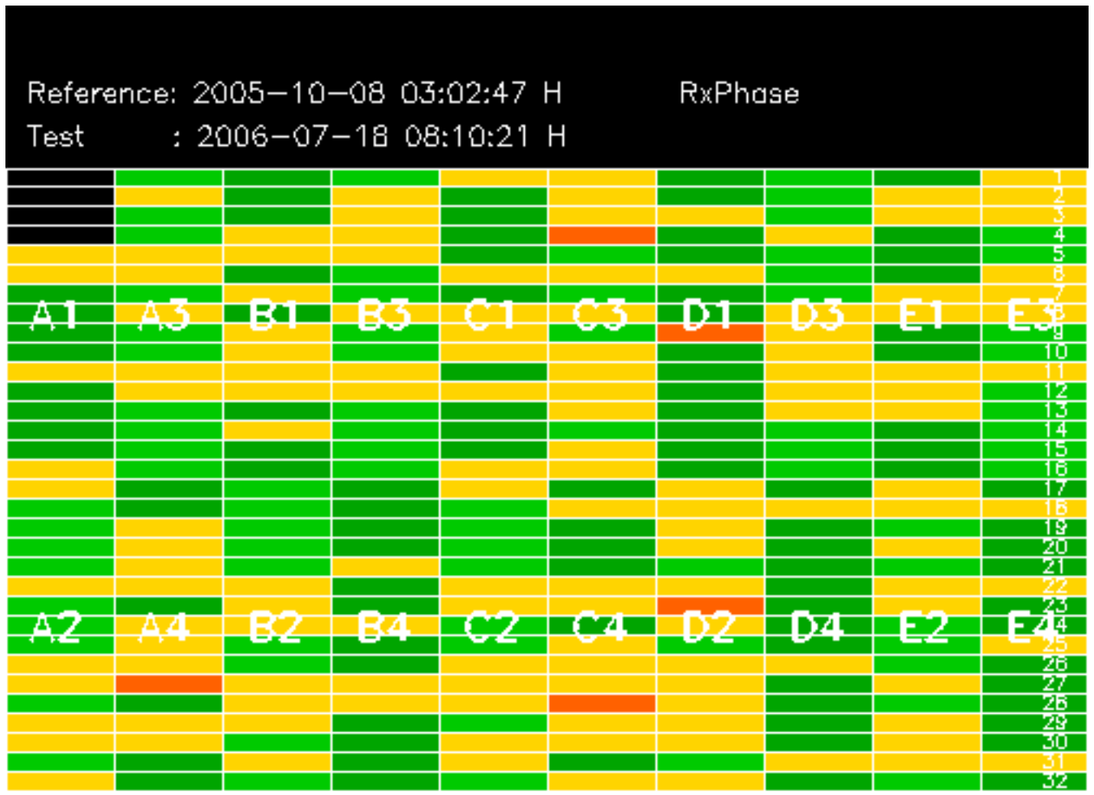

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-17 08:41:58 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-17 08:41:58 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 13:50:42 H
RxPhase
Test : 2006-07-15 03:02:48 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 : 2006-07-15 03:02:48 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 13:50:42 H
RxPhase
Test : 2006-07-18 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: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-07-18 08:10:21 H
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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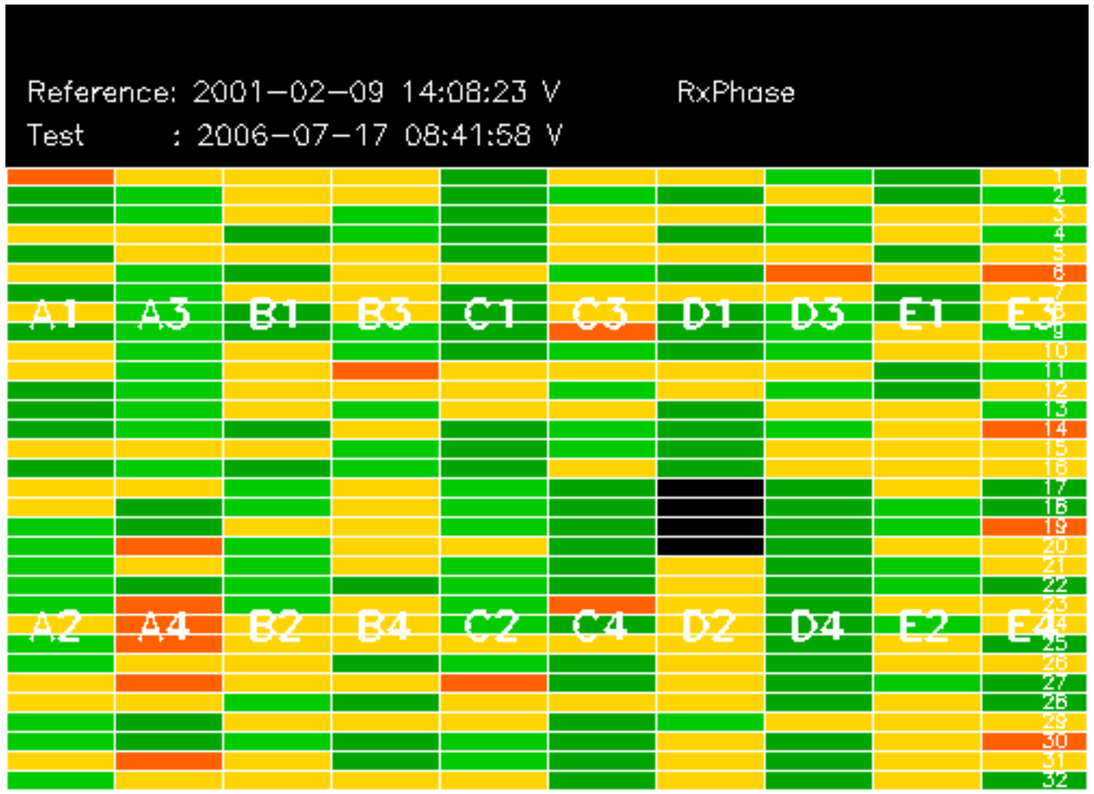
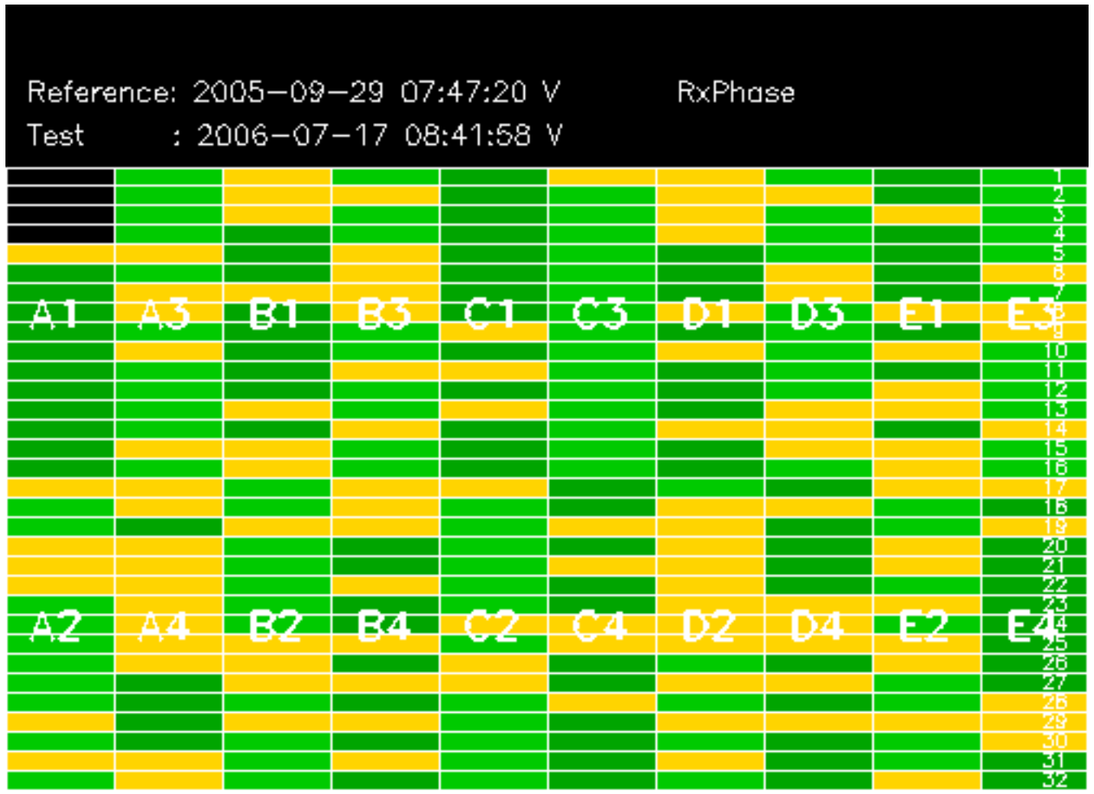

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-17 08:41:58 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-17 08:41:58 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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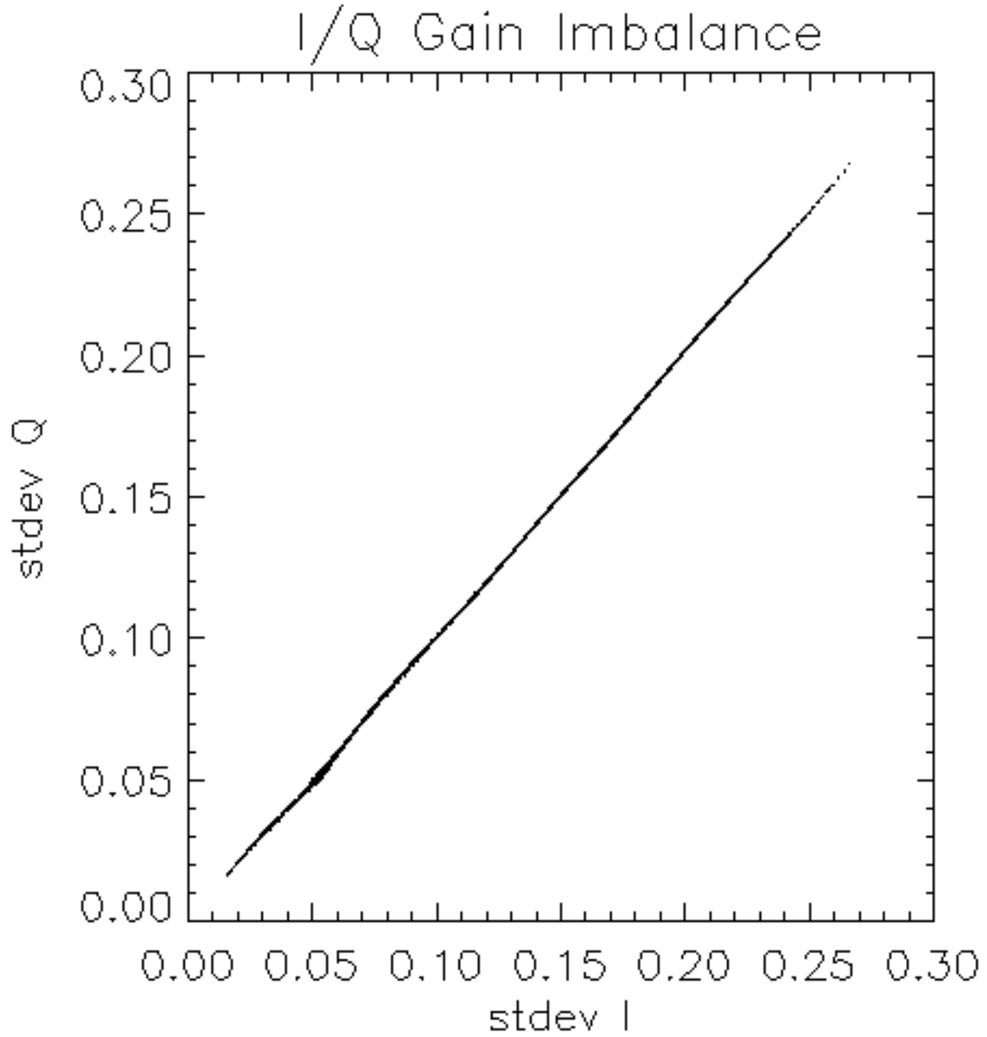
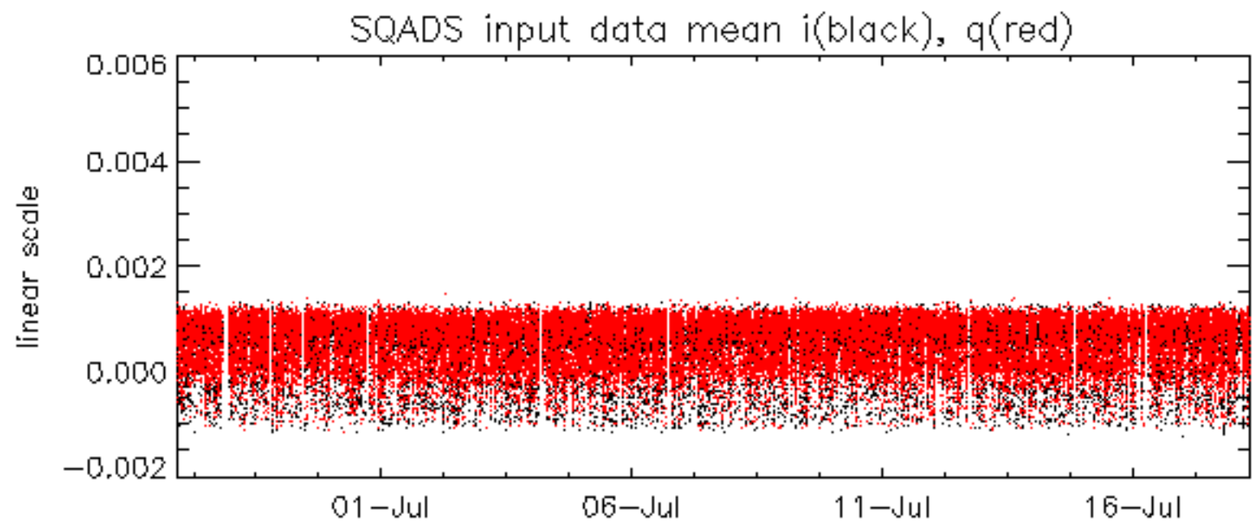
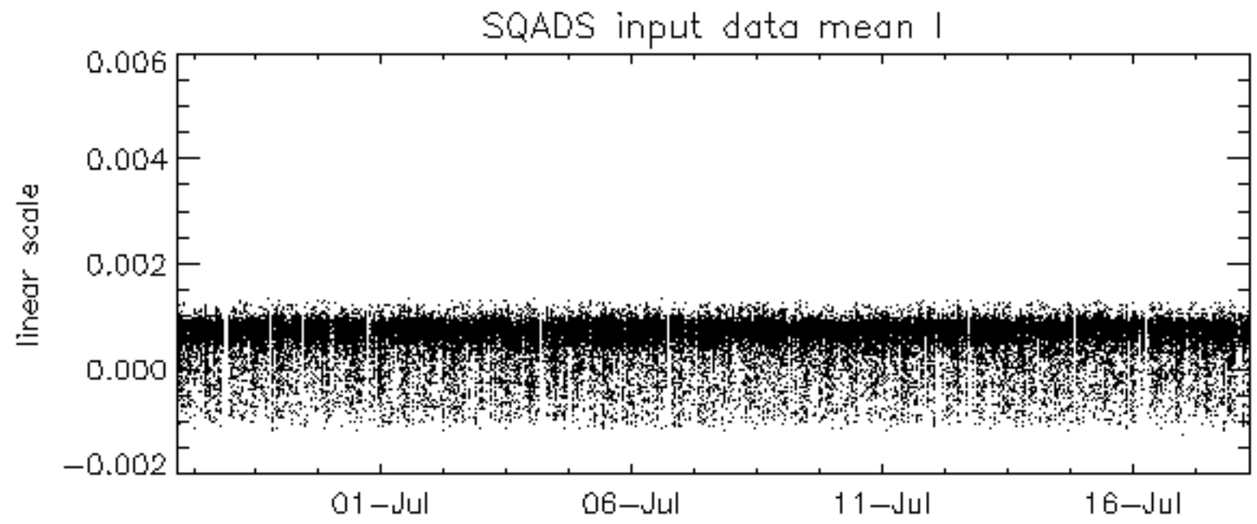
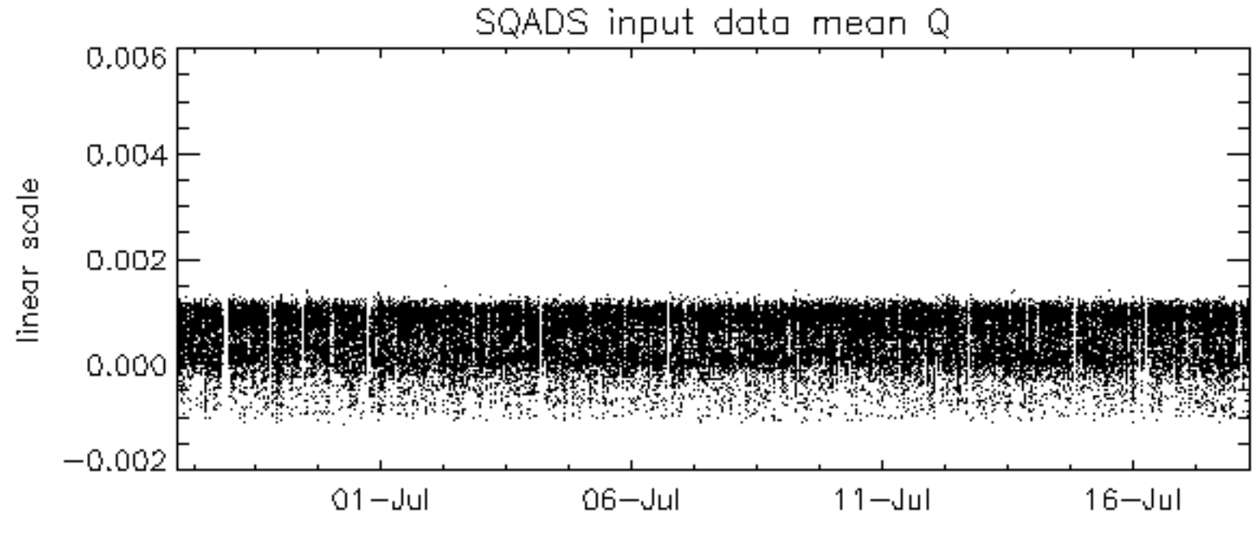
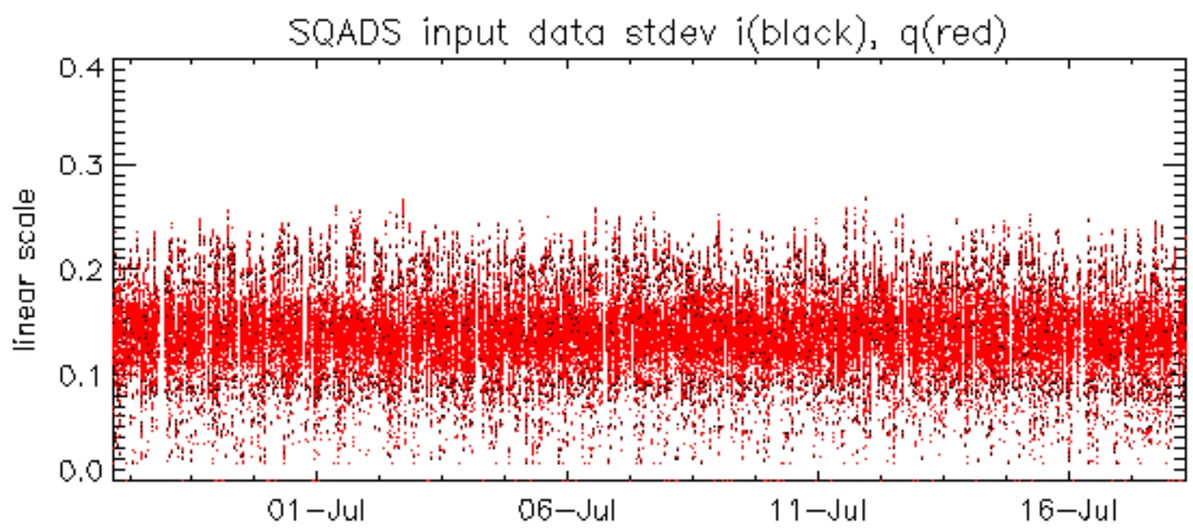
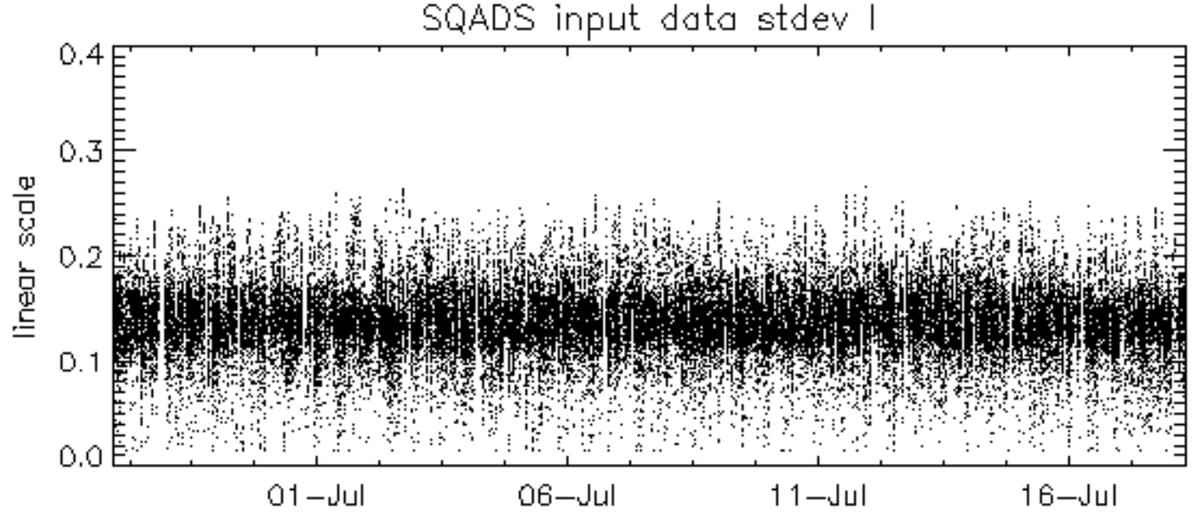

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

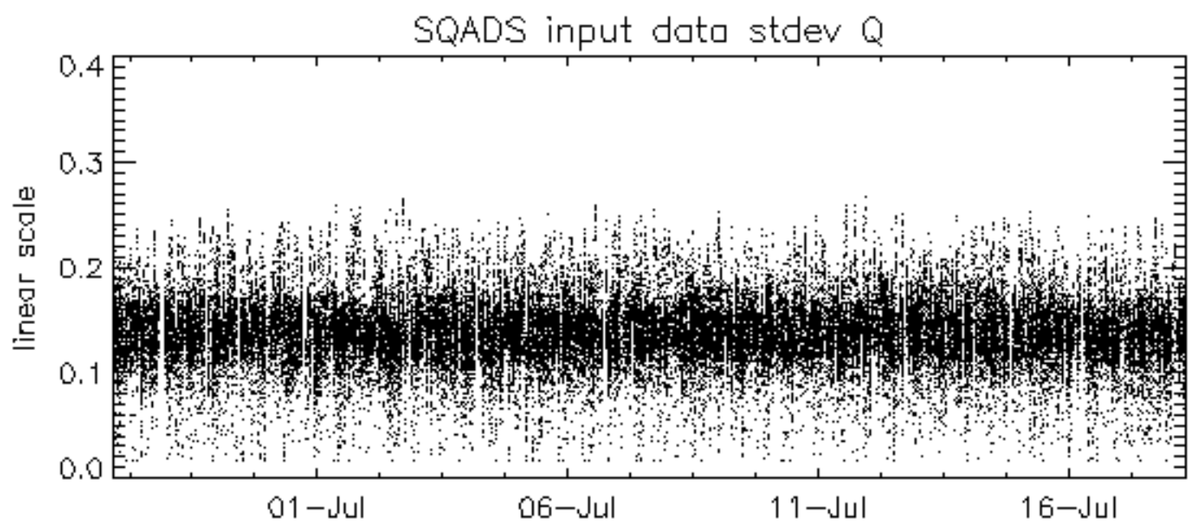

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Jul
06−Jul
11−Jul
16−Jul

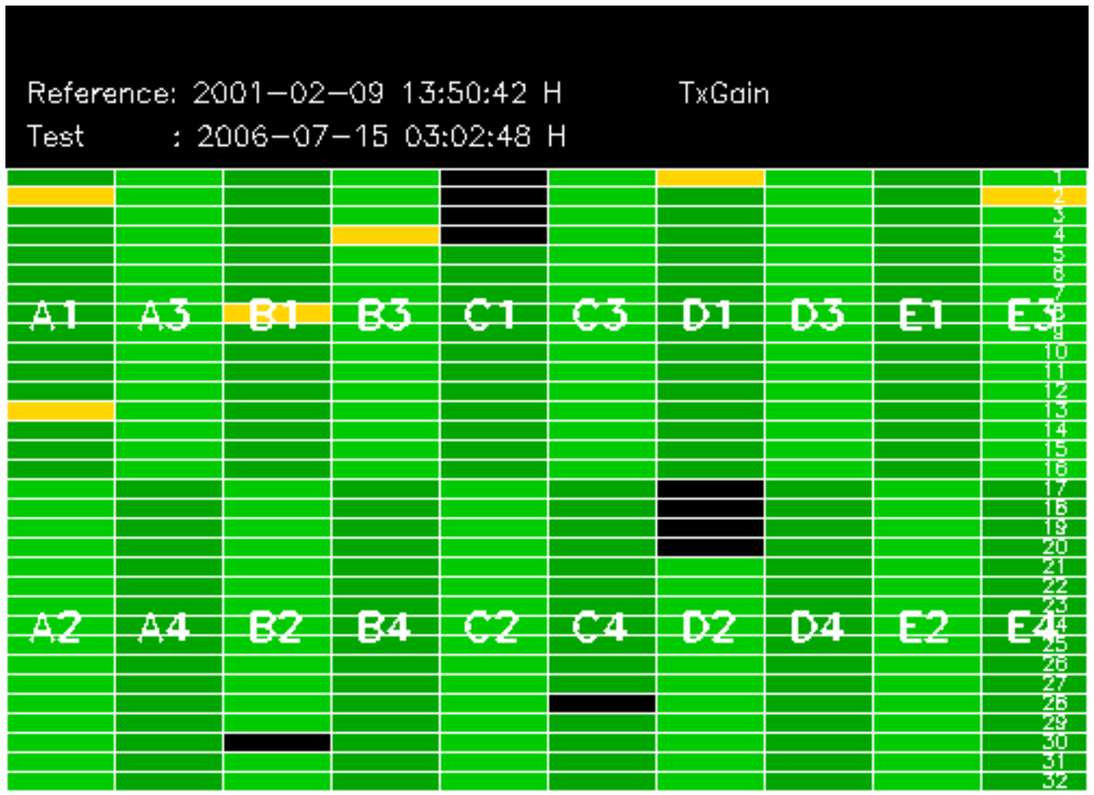

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Jul
06−Jul
11−Jul
16−Jul


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Jul
06−Jul
11−Jul
16−Jul


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-15 03:02:48 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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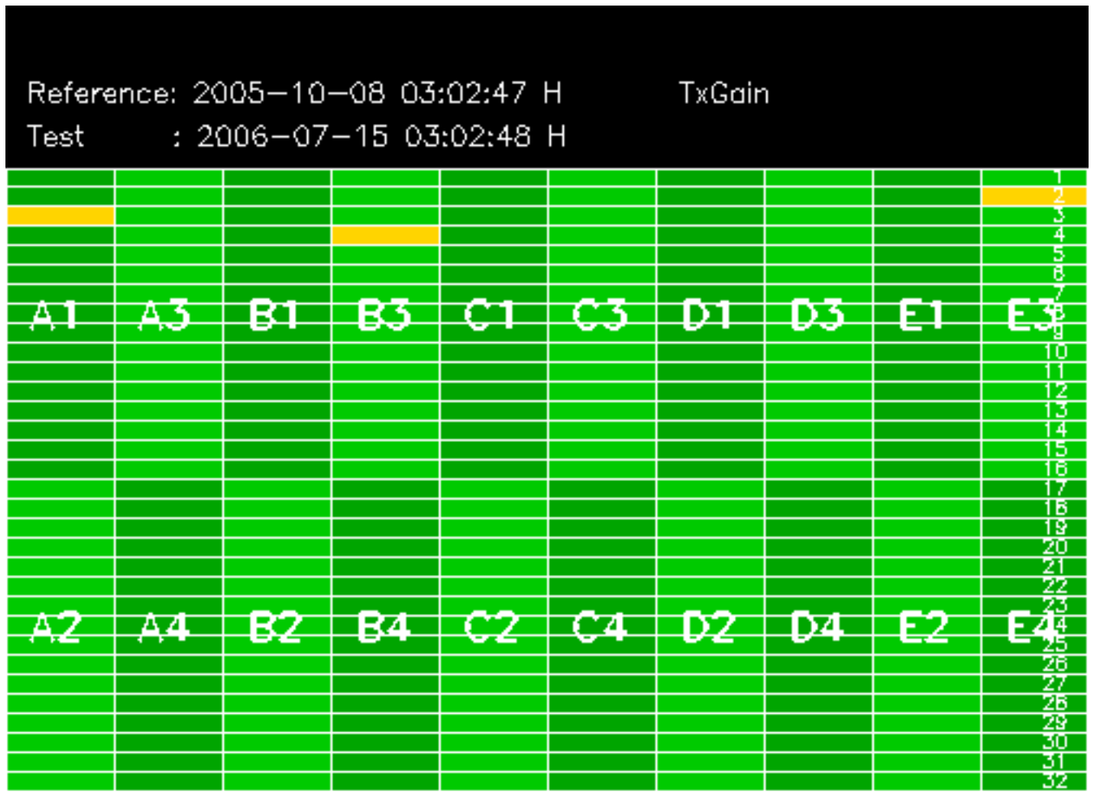
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-15 03:02:48 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
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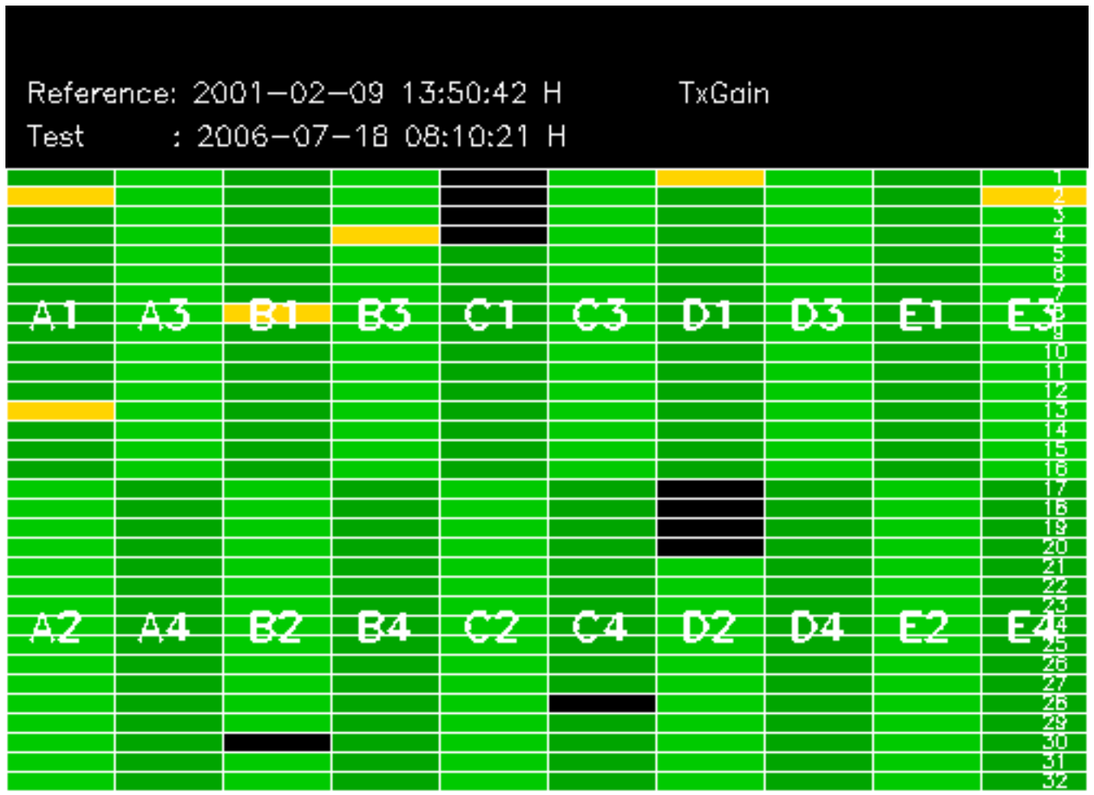
Reference: 2001-02-09 13:50:42 H
Test : 2006-07-18 08:10:21 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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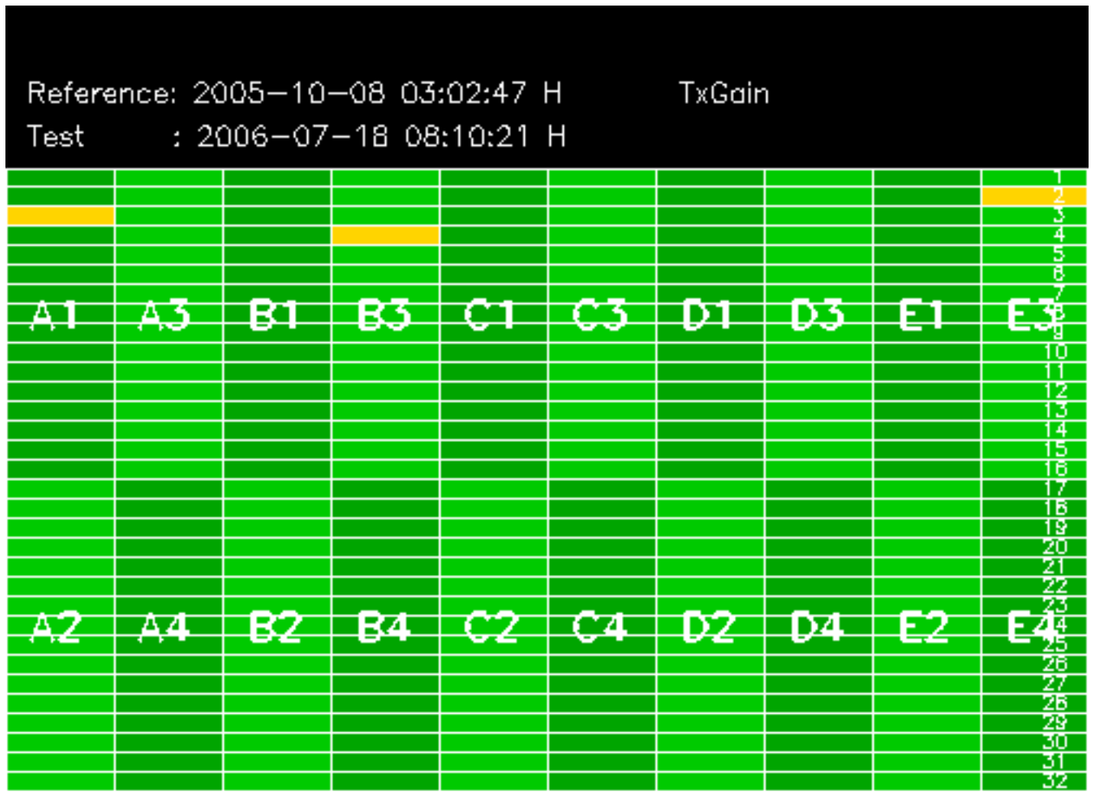
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-18 08:10:21 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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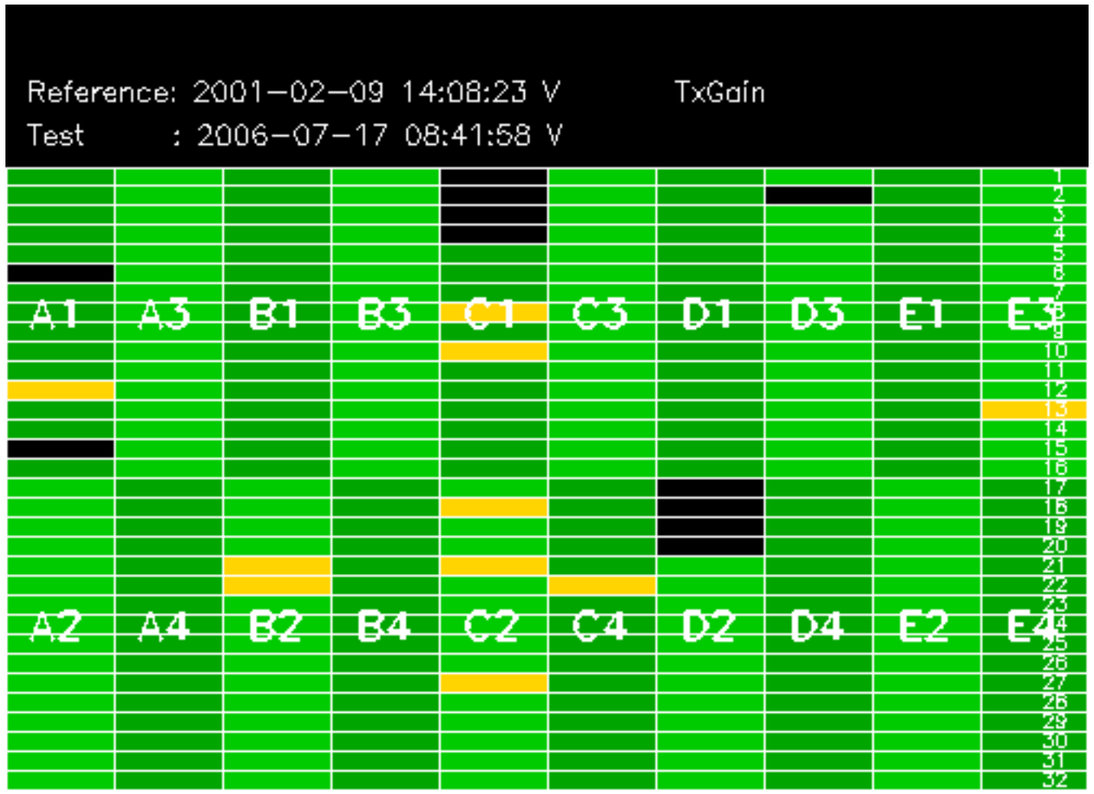
Reference: 2001-02-09 14:08:23 V
Test : 2006-07-17 08:41:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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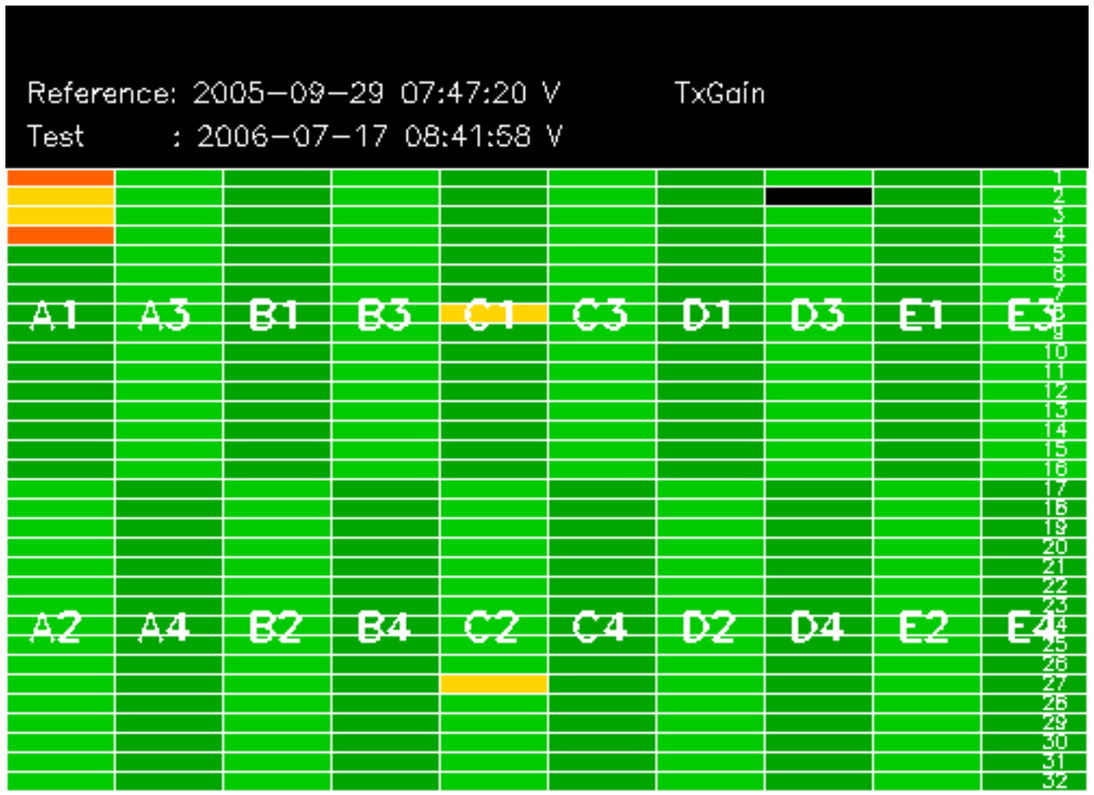
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-17 08:41:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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Summary of analysis for the last 3 days 2006071[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields 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_1PNPDE20060717_004744_000002292049_00288_22887_1022.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060717_155733_000002182049_00298_22897_1101.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060718_010021_000000822049_00303_22902_1205.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20060717_152259_000005982049_00297_22896_1183.N1 </td> <td>0 </td> <td>15 </td></tr>
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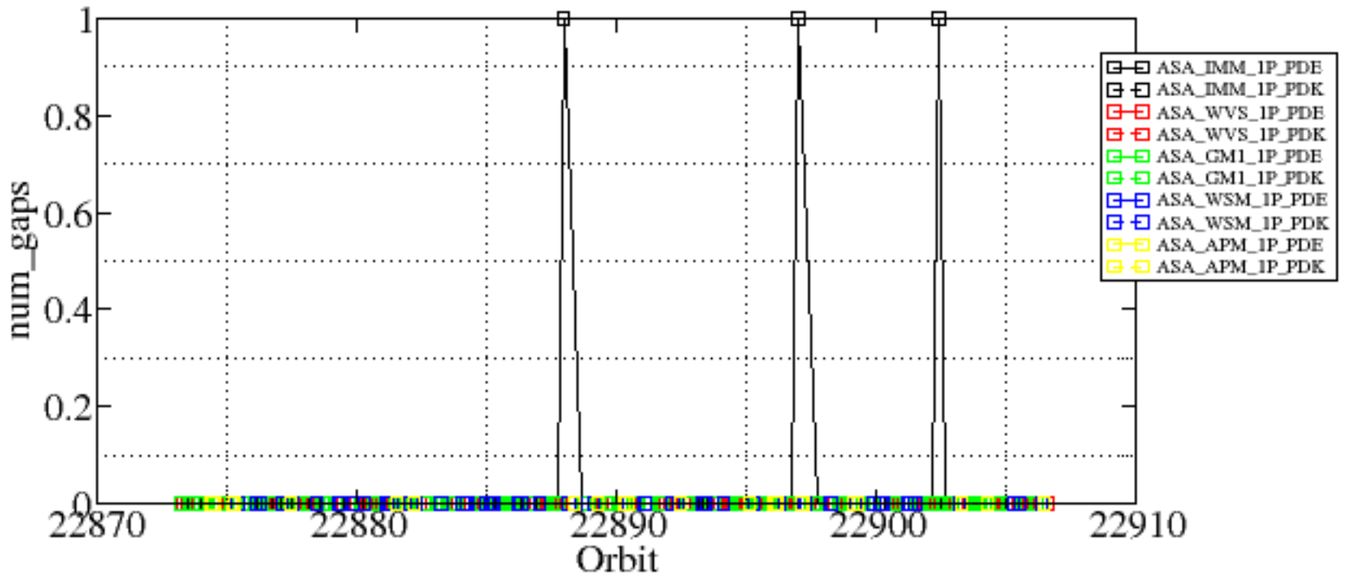
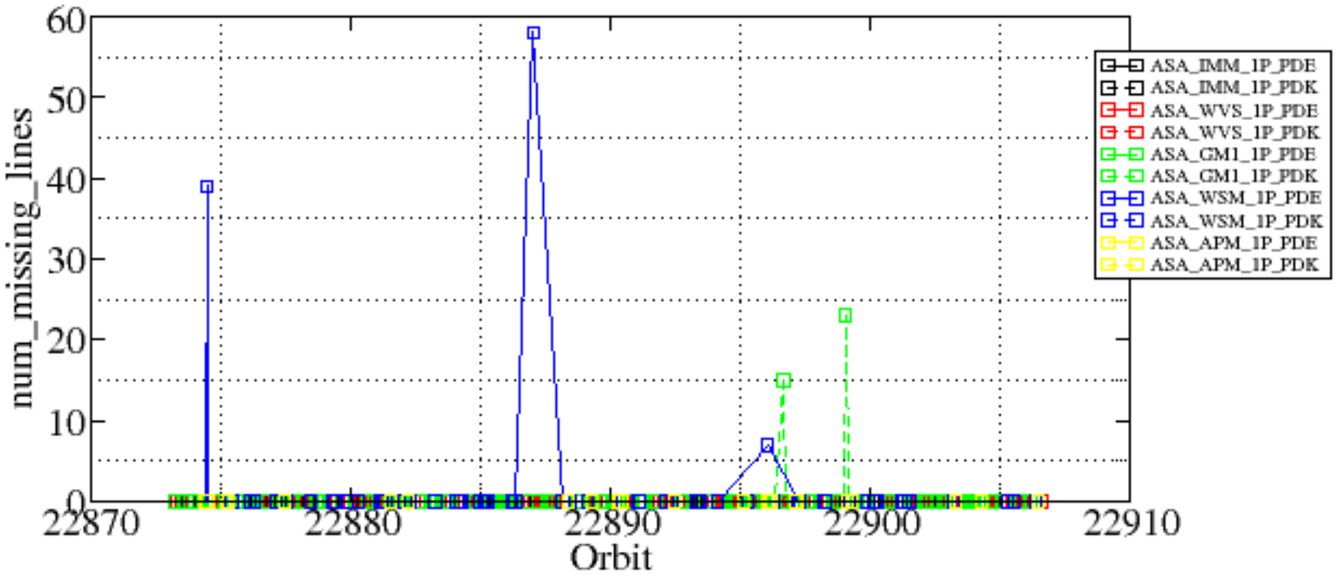
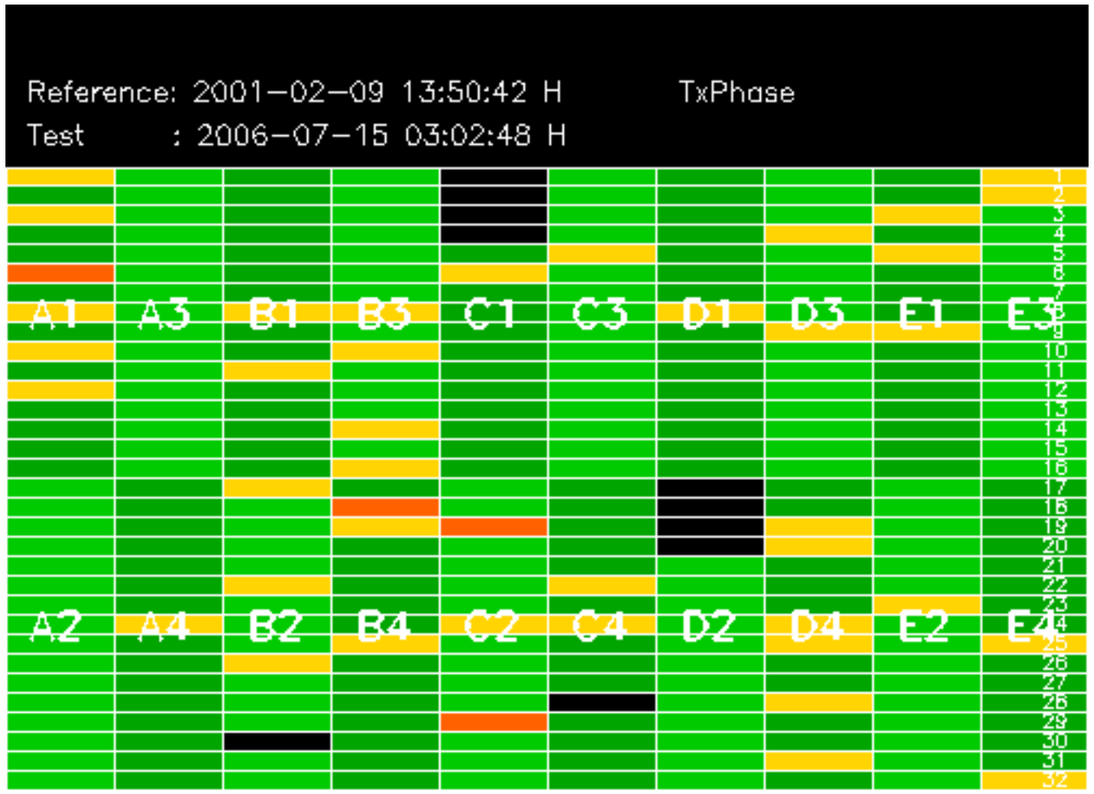
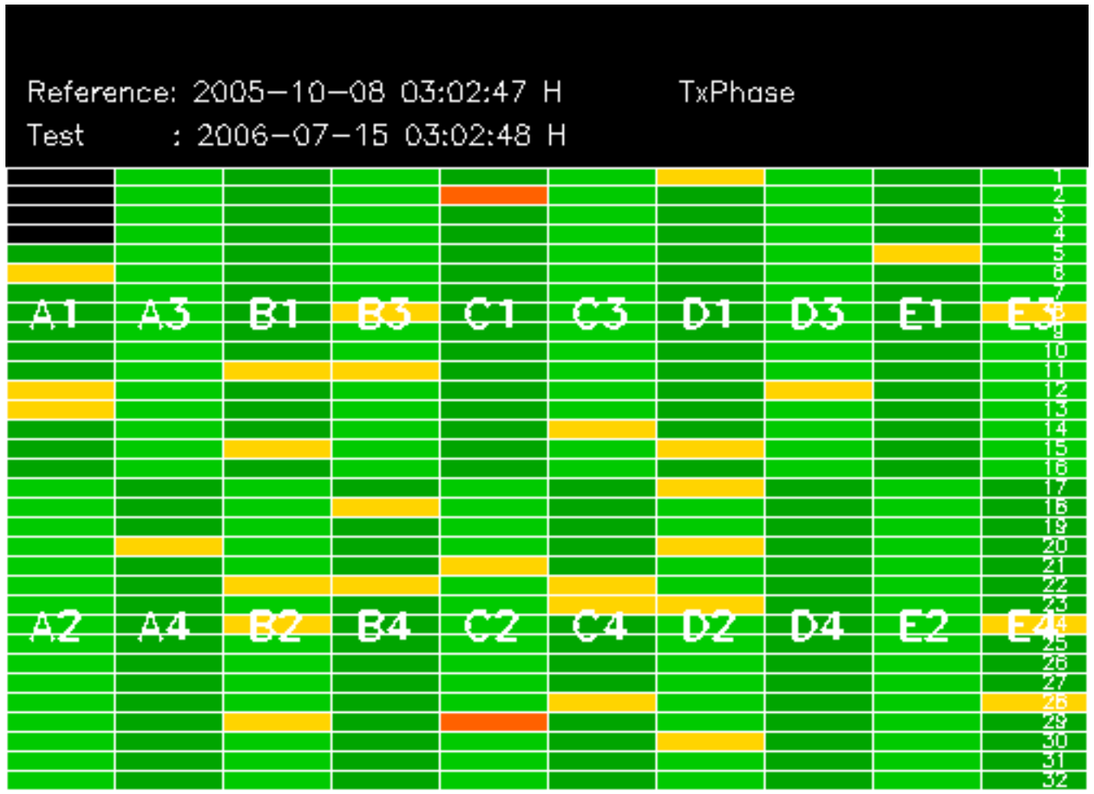
<tr> <td>ASA_WSM_1PNPDE20060716_020953_000001832049_00275_22874_3293.N1 </td> <td>0 </td> <td>39 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060716_231436_000000972049_00288_22887_3385.N1 </td> <td>0 </td> <td>58 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060717_142239_000000852049_00297_22896_3436.N1 </td> <td>0 </td> <td>7 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
22870
22880
22890
22900
22910
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
60
50
40
30
20
10
0
22870
22880
22890
22900
22910
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 : 2006-07-15 03:02:48 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 : 2006-07-15 03:02:48 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
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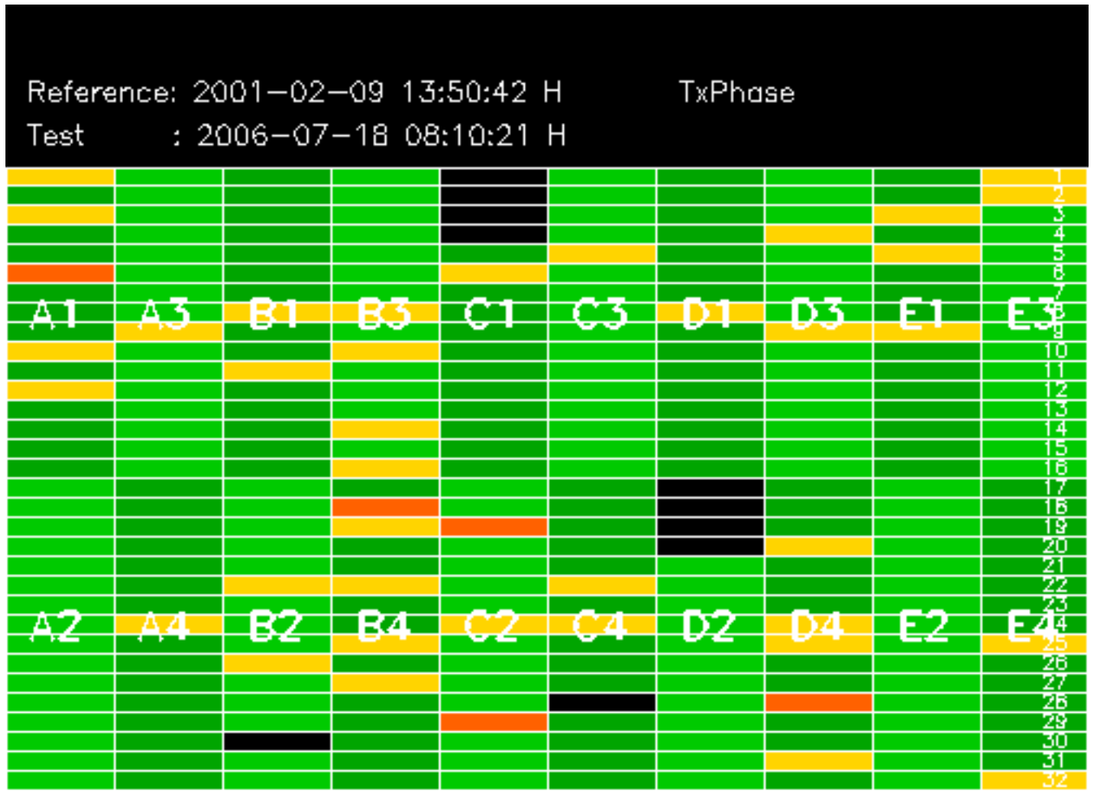
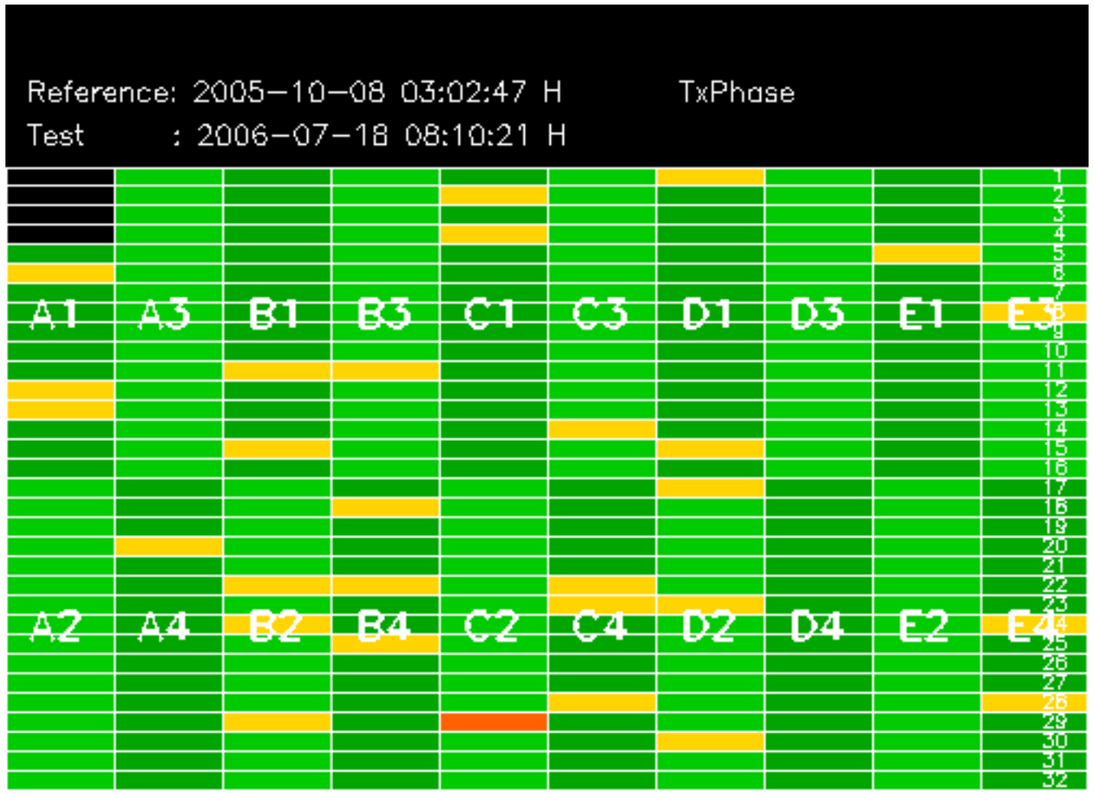
25
26
27
28
29
30
31
32


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-18 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: 2005-10-08 03:02:47 H
Test : 2006-07-18 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
1
2
3
4
5
6
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9
10
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12
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16
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18
19
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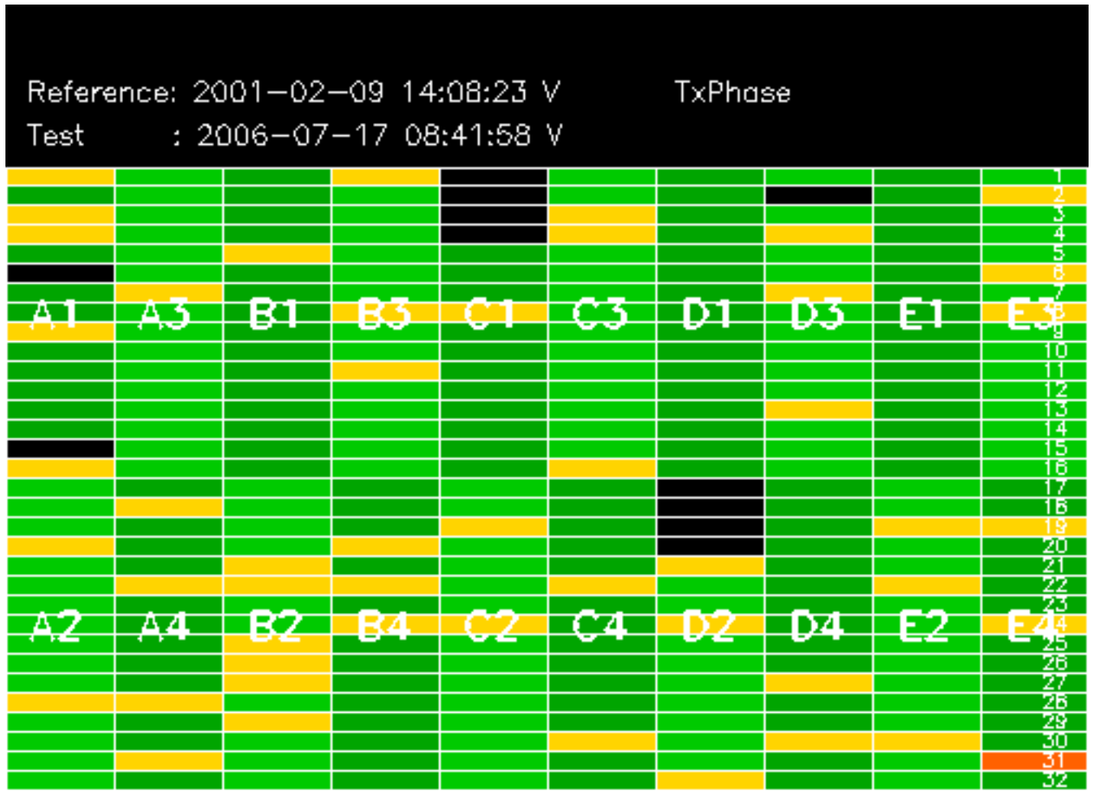
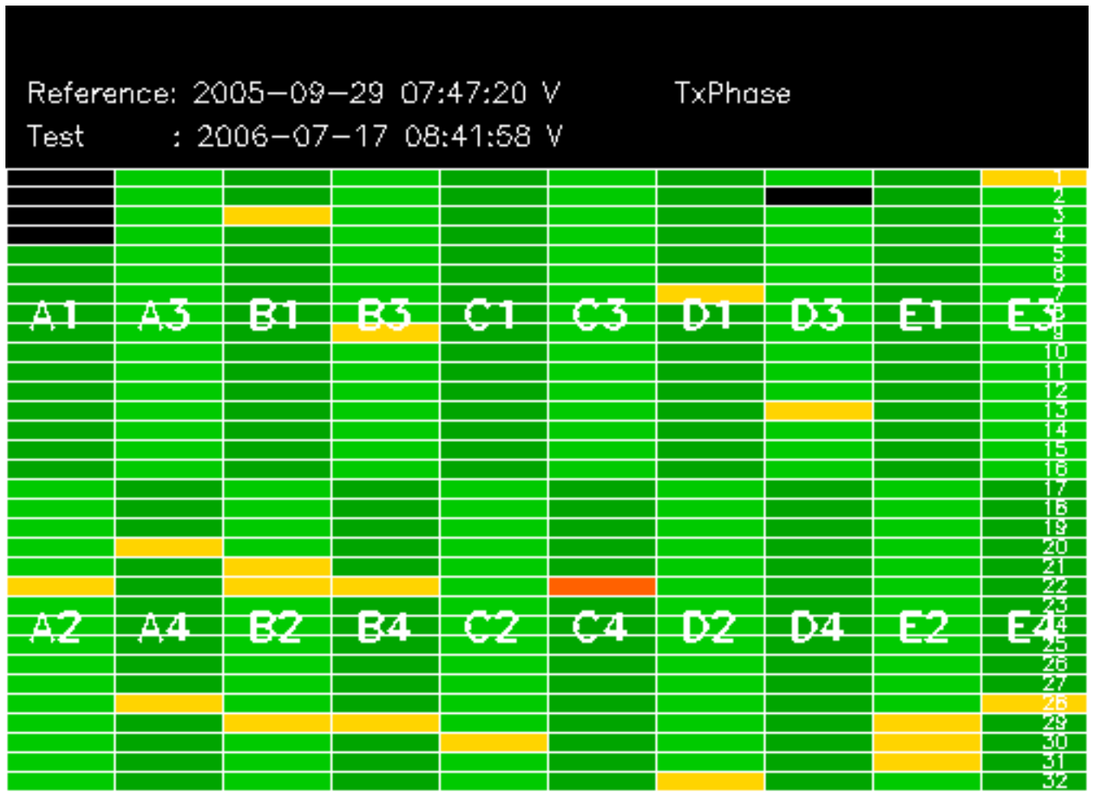
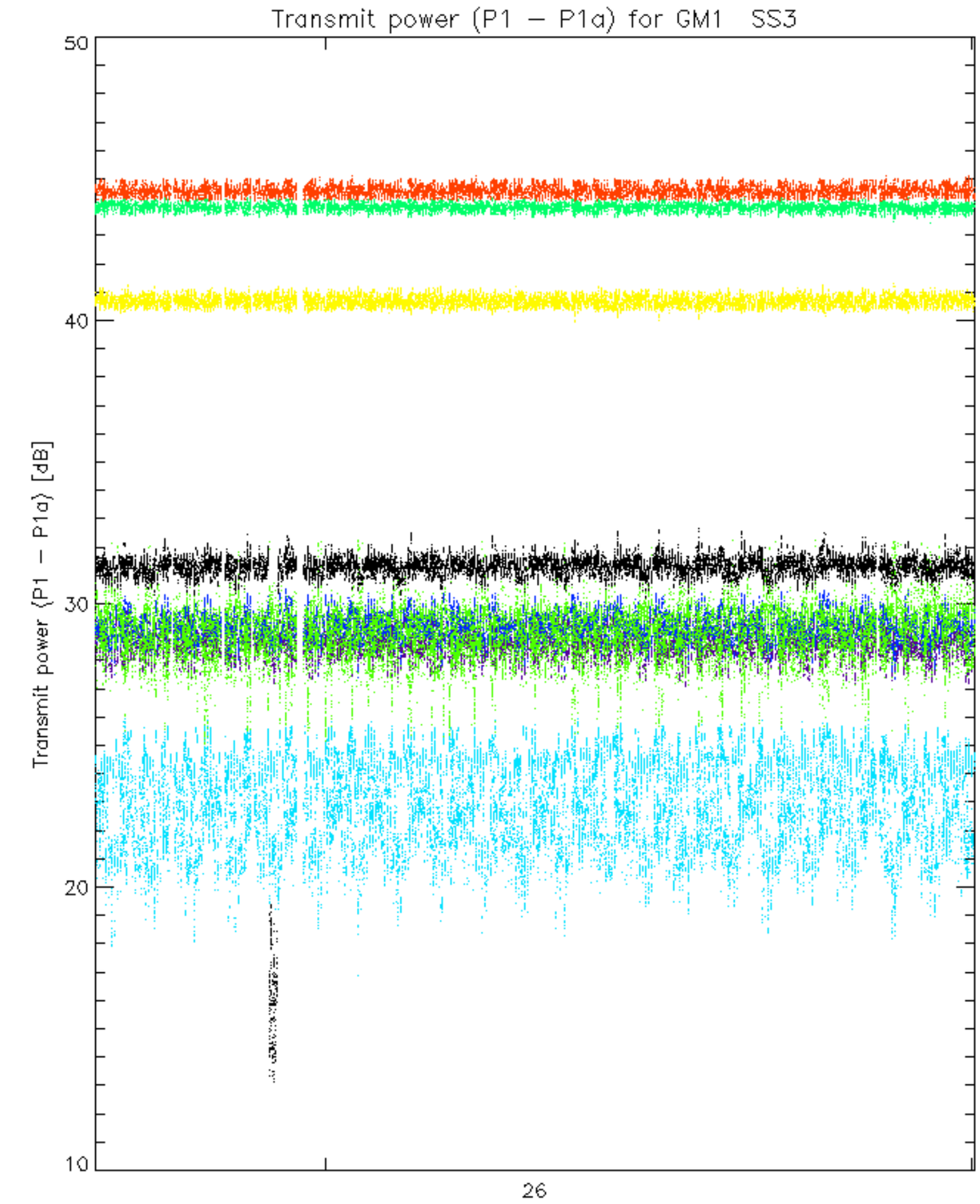
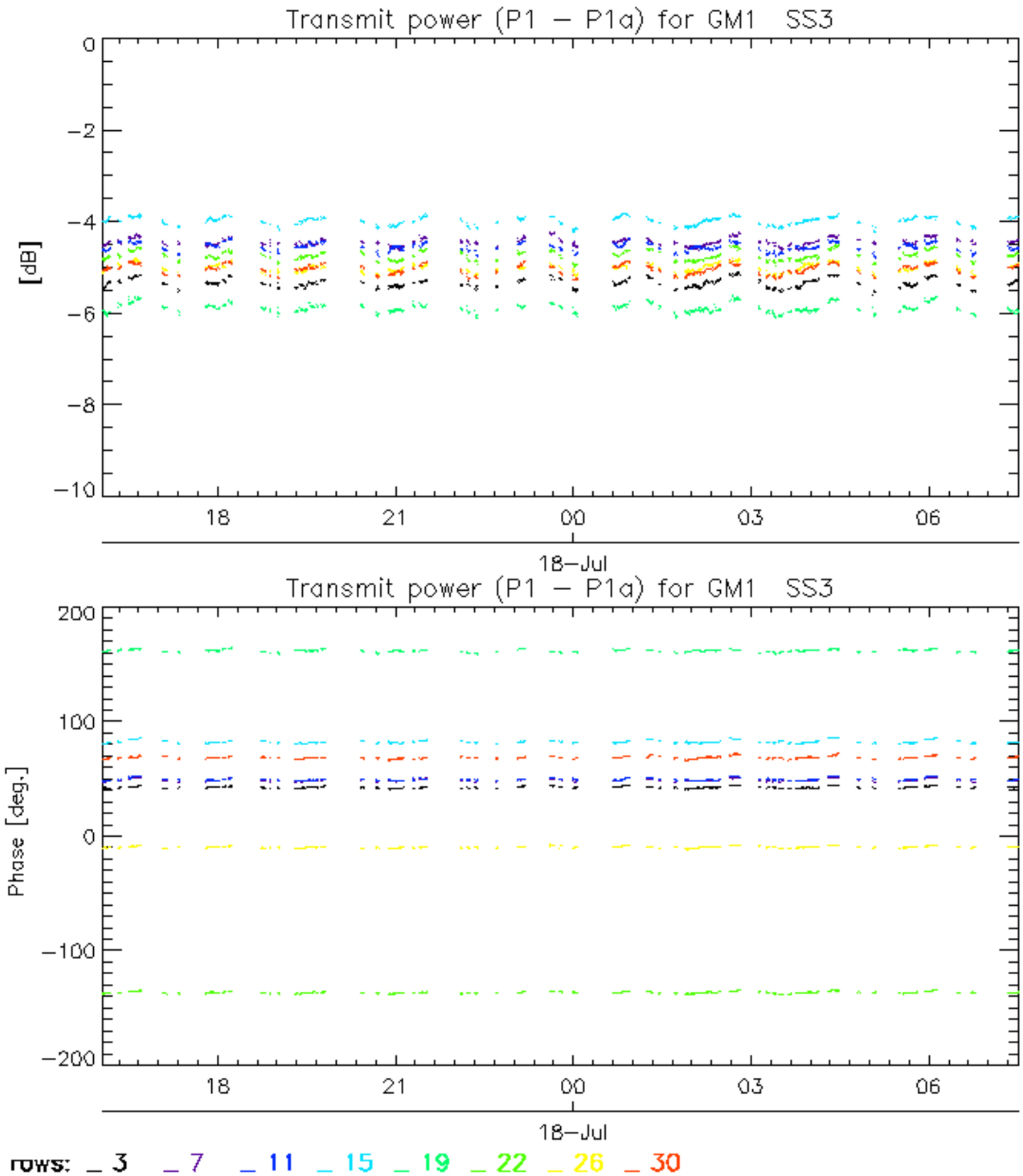
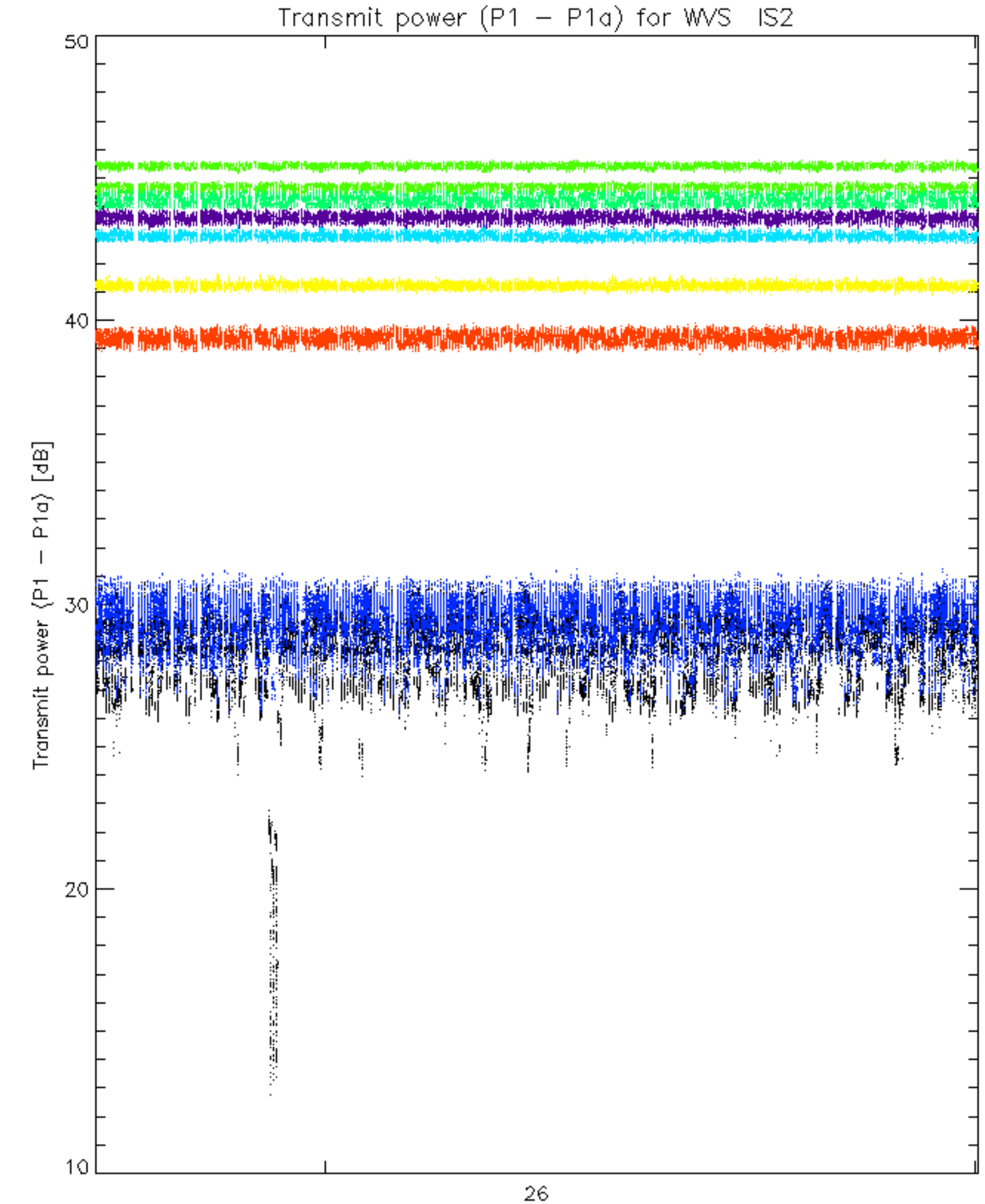
26
27
28
29
30
31
32

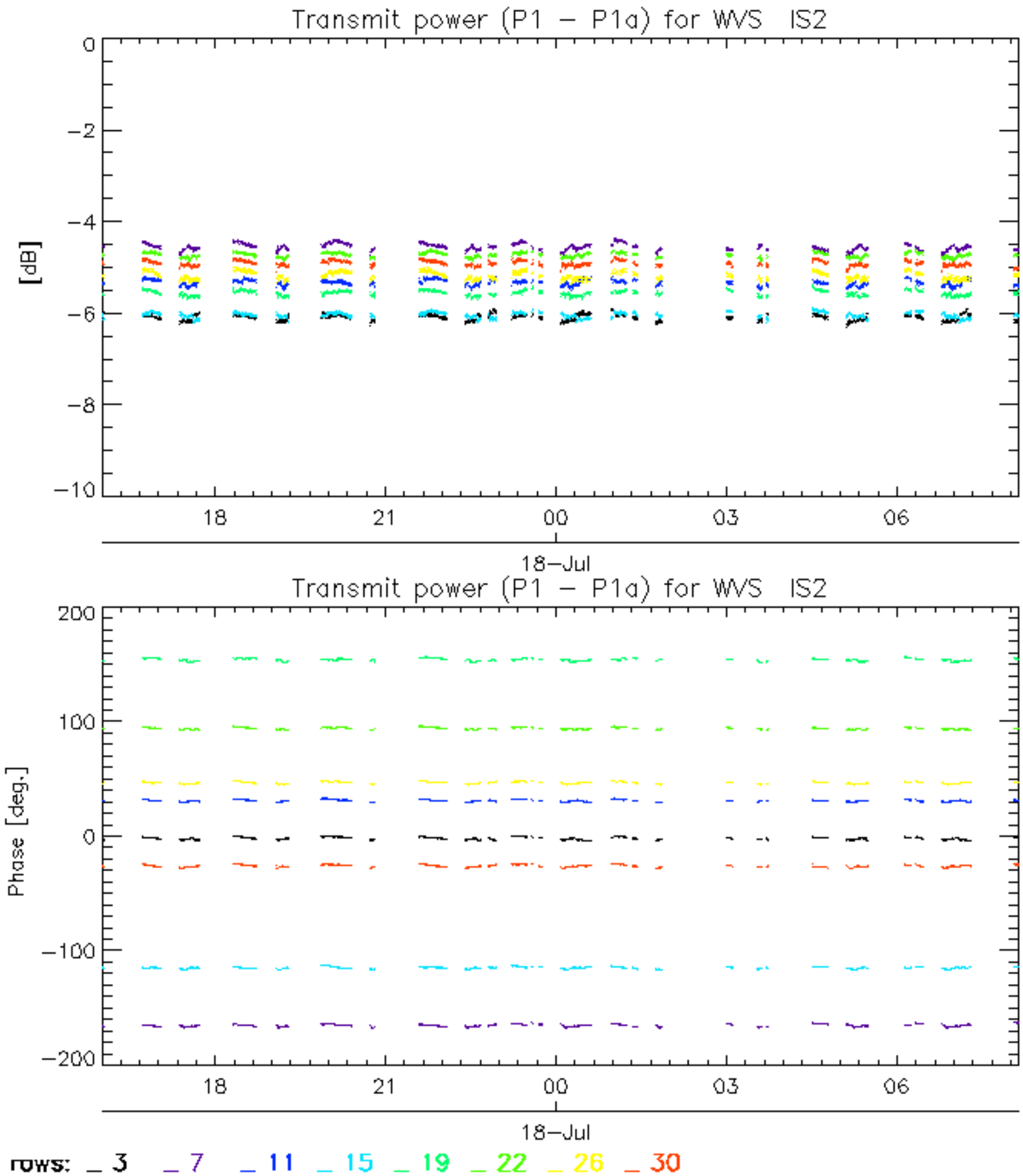

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-17 08:41:58 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-17 08:41:58 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
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
26
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
18–Jul
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
18–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]
26
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
18–Jul
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
18–Jul
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.