PRELIMINARY REPORT OF 060722

last update on Sat Jul 22 16:27:48 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 2006-07-21 00:00:00 to 2006-07-22 16:27:48

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

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	42	77	20	5	7
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	42	77	20	5	7
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	42	77	20	5	7
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	42	77	20	5	7

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	32	46	41	15	53
ASA_XCA_AXVIEC20060717_154125_20050916_195733_20061231_000000	32	46	41	15	53
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	32	46	41	15	53
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	32	46	41	15	53

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	20060721 063530
H	20060722 060353

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
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☒

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	-3.932727	0.012281	-0.028758
7	P1	-3.102493	0.010205	-0.001976
11	P1	-4.086334	0.013667	0.000542
15	P1	-6.172590	0.011533	-0.003733
19	P1	-3.398933	0.009330	-0.060542
22	P1	-4.546956	0.010237	-0.028974
26	P1	-3.932604	0.019711	0.016253
30	P1	-5.763098	0.008075	-0.007985
3	P1	-16.513538	0.328813	-0.078506
7	P1	-17.192892	0.103229	-0.044216
11	P1	-16.978754	0.277279	0.013338
15	P1	-13.108047	0.150125	0.072543
19	P1	-14.446700	0.048532	-0.116760
22	P1	-16.016161	0.423334	0.038378
26	P1	-15.134899	0.235085	0.035905
30	P1	-17.094252	0.343160	-0.013166

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-20.985682	0.088103	0.133894
7	P2	-21.921955	0.106070	0.068955
11	P2	-15.798626	0.122180	0.052133
15	P2	-7.131479	0.101497	0.023688
19	P2	-9.134573	0.092217	0.009422
22	P2	-18.150158	0.086906	0.000229
26	P2	-16.398899	0.094598	-0.019403
30	P2	-19.525911	0.093724	0.030192

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.175491	0.002956	-0.000235
7	P3	-8.175491	0.002956	-0.000235
11	P3	-8.175491	0.002956	-0.000235
15	P3	-8.175491	0.002956	-0.000235
19	P3	-8.175491	0.002956	-0.000235
22	P3	-8.175491	0.002956	-0.000235
26	P3	-8.175491	0.002956	-0.000235
30	P3	-8.175491	0.002956	-0.000235

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	-3.804132	0.027135	-0.100991
7	P1	-2.561713	0.007934	0.013546
11	P1	-2.858935	0.014549	0.015762
15	P1	-3.568767	0.029131	-0.053057
19	P1	-3.417761	0.013260	-0.012559
22	P1	-5.090603	0.020071	0.022122
26	P1	-5.858864	0.015707	-0.012745
30	P1	-5.193203	0.026539	-0.012481
3	P1	-11.590336	0.090140	-0.142788
7	P1	-9.970778	0.034067	0.031980
11	P1	-10.247999	0.057423	0.006921
15	P1	-10.757556	0.144679	-0.030740
19	P1	-15.530783	0.073992	-0.019484
22	P1	-20.913157	1.227848	0.003179
26	P1	-16.309446	0.382766	0.211481
30	P1	-17.904959	0.411356	-0.153984

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.628660	0.071068	0.219878
7	P2	-22.405226	0.127555	0.135268
11	P2	-11.052087	0.042128	0.096730
15	P2	-4.912966	0.046028	0.041980
19	P2	-6.875221	0.041380	0.032340
22	P2	-8.196882	0.037000	0.025792
26	P2	-24.184404	0.062566	0.028023
30	P2	-22.015656	0.049642	0.057450

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.014181	0.003747	0.014033
7	P3	-8.014200	0.003748	0.014068
11	P3	-8.014055	0.003761	0.013719
15	P3	-8.014151	0.003756	0.014189
19	P3	-8.014194	0.003749	0.013913
22	P3	-8.014177	0.003742	0.014014
26	P3	-8.014204	0.003745	0.013447
30	P3	-8.014167	0.003742	0.014113

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	0.000567411
	stdev	1.65468e-07
MEAN Q	mean	0.000544931
	stdev	2.11560e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.138034
	stdev	0.00107543
STDEV Q	mean	0.138392
	stdev	0.00109329

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006072[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_1PNPDE20060720_200916_000000372049_00343_22942_1445.N1	0	28
ASA_IMM_1PNPDE20060721_010621_000000822049_00346_22945_1459.N1	1	0
ASA_GM1_1PNPDK20060721_072534_000007552049_00350_22949_1372.N1	0	163
ASA_WSM_1PNPDE20060720_142714_000000852049_00340_22939_3788.N1	0	60
ASA_WSM_1PNPDE20060720_233449_000003302049_00345_22944_3858.N1	0	34

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)


Acsending
☒
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler
☒
Acsending
☒
Descending

7.6 - Doppler evolution versus ANX for GM1

Evolution Doppler error versus ANX
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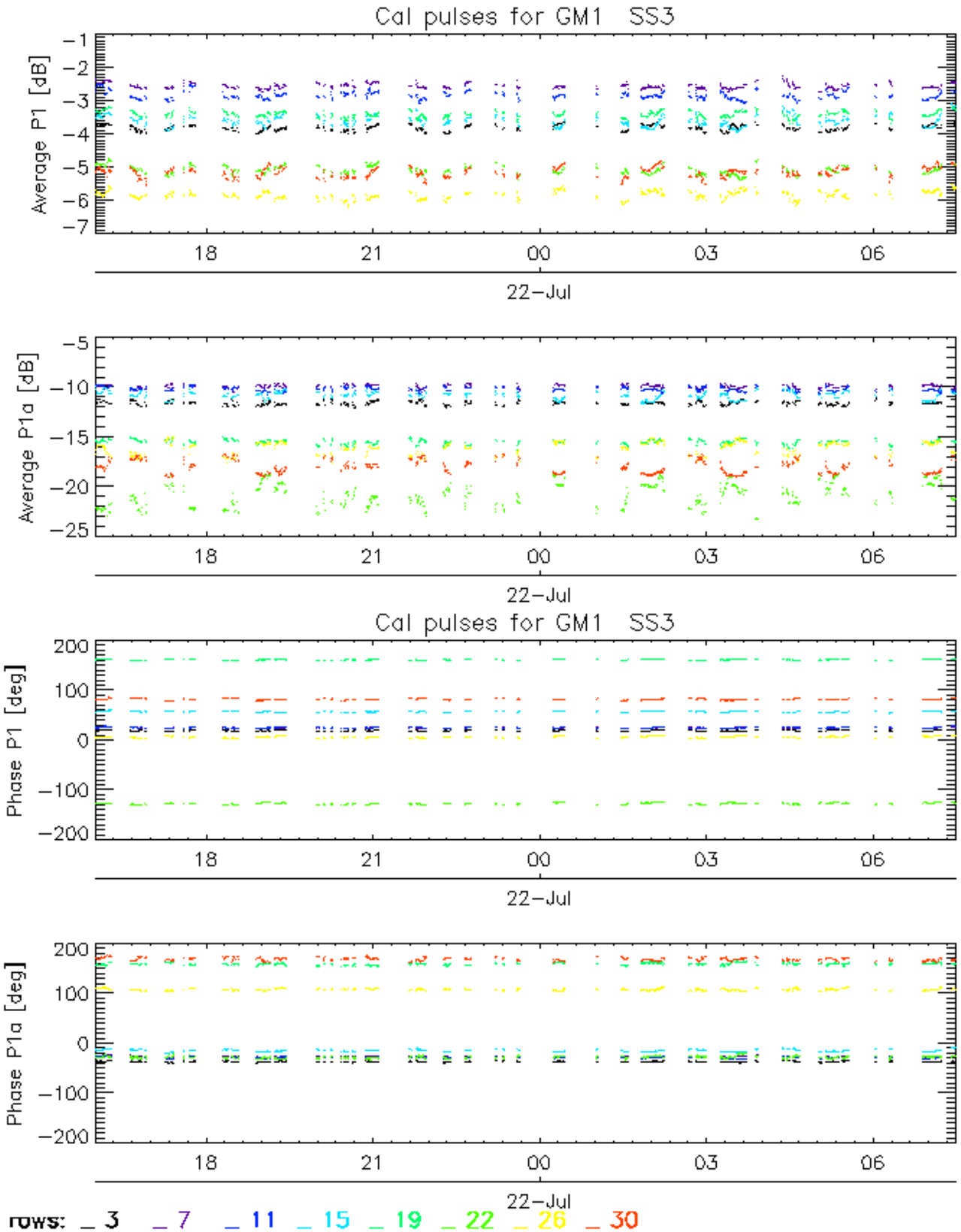
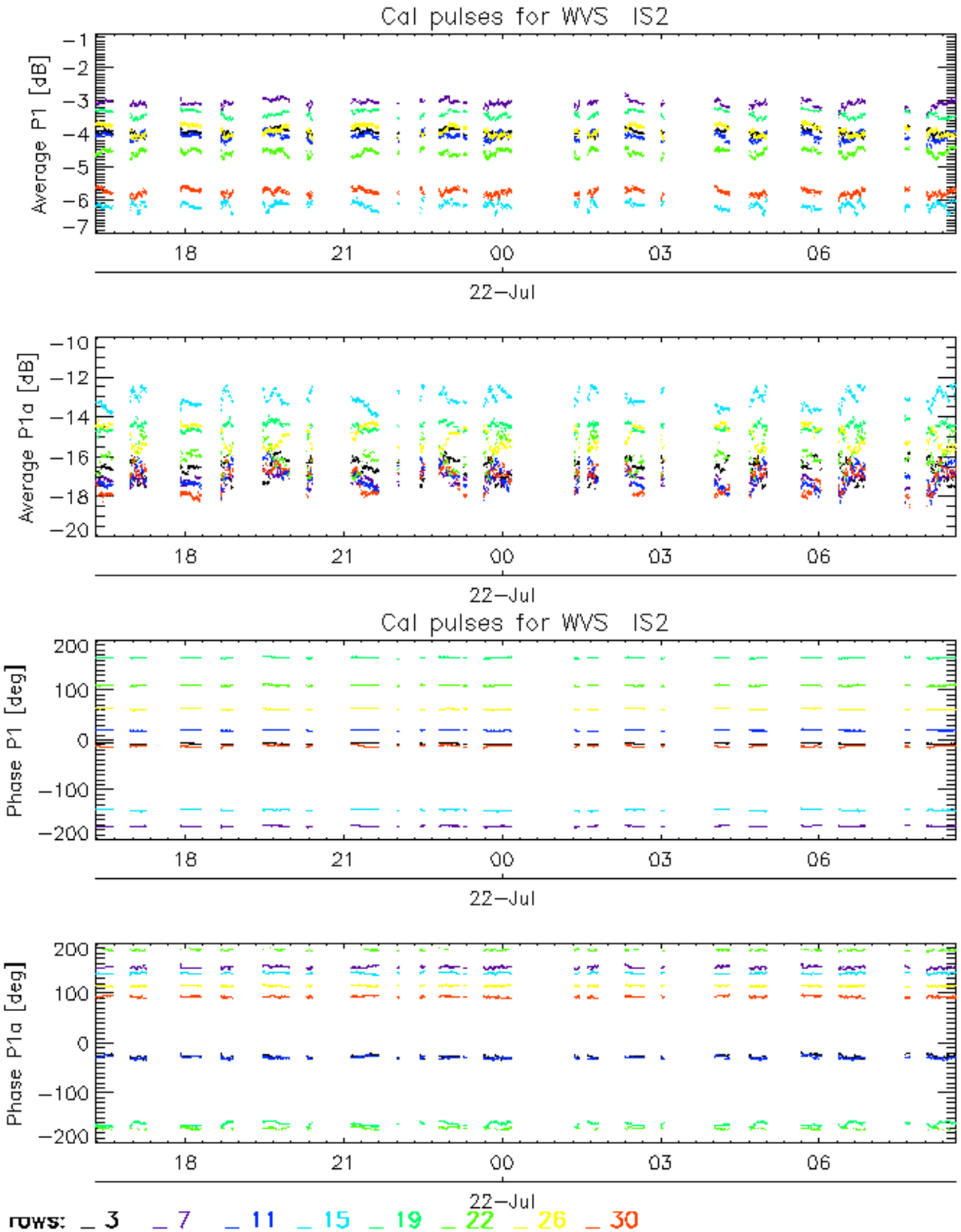
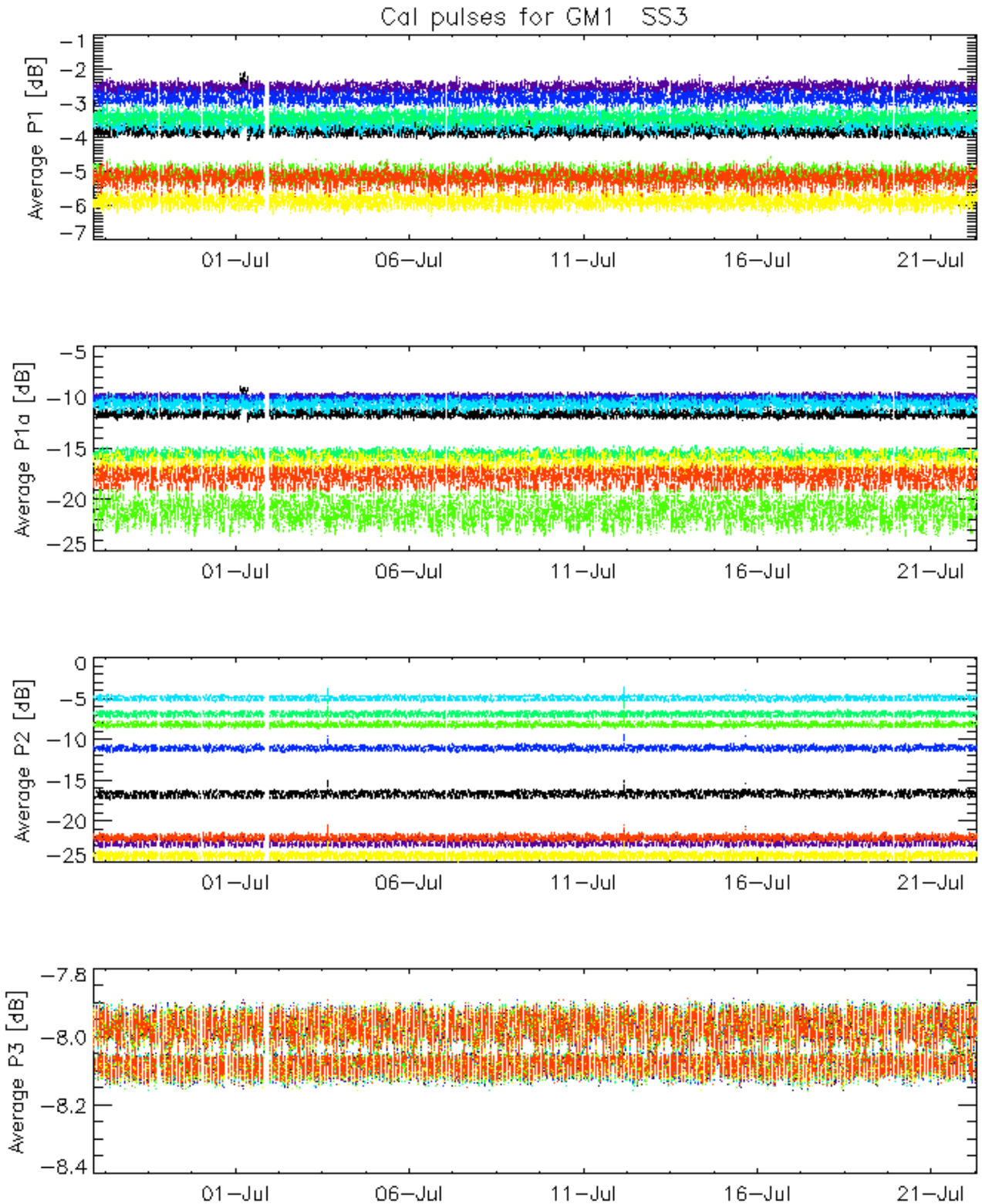
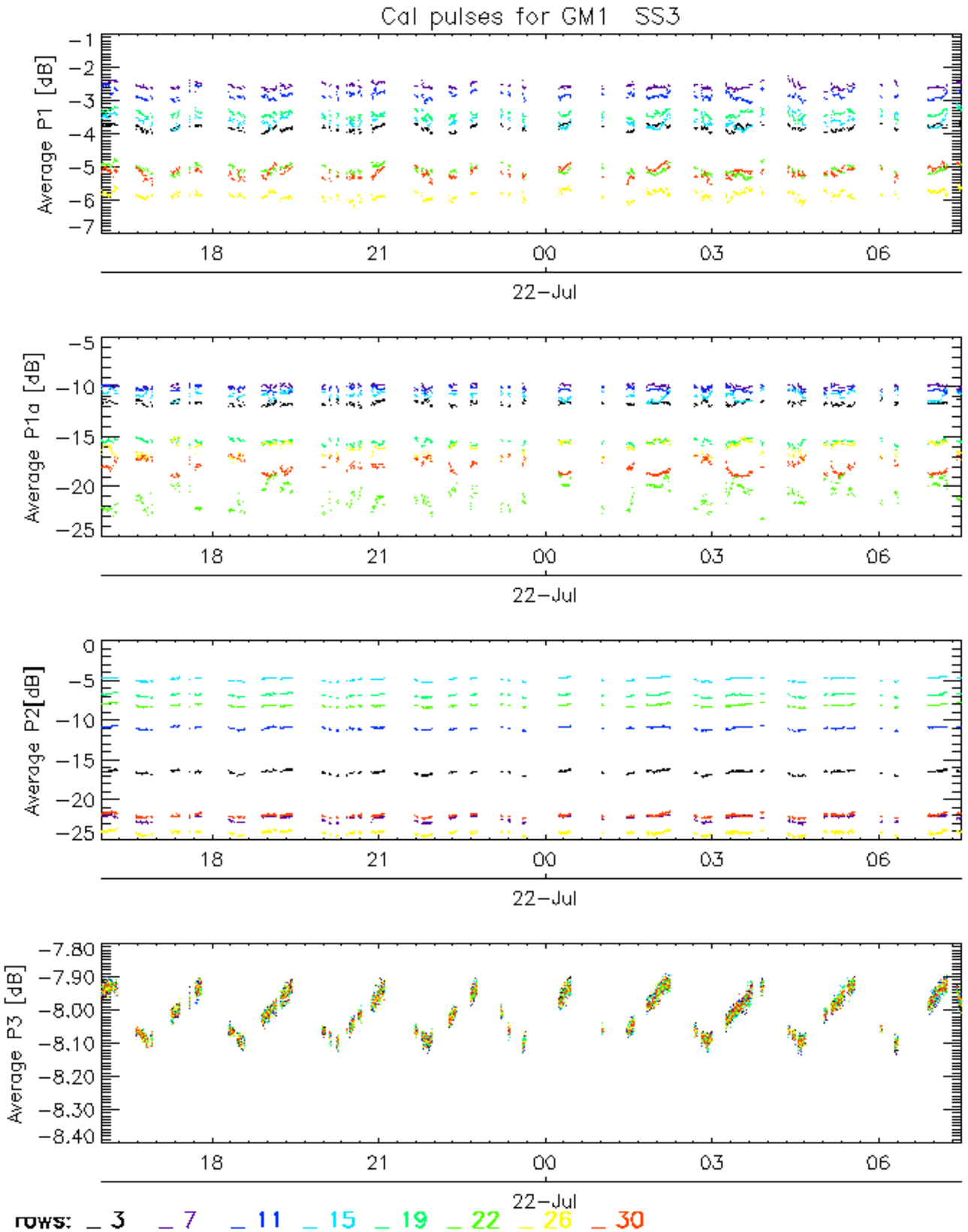
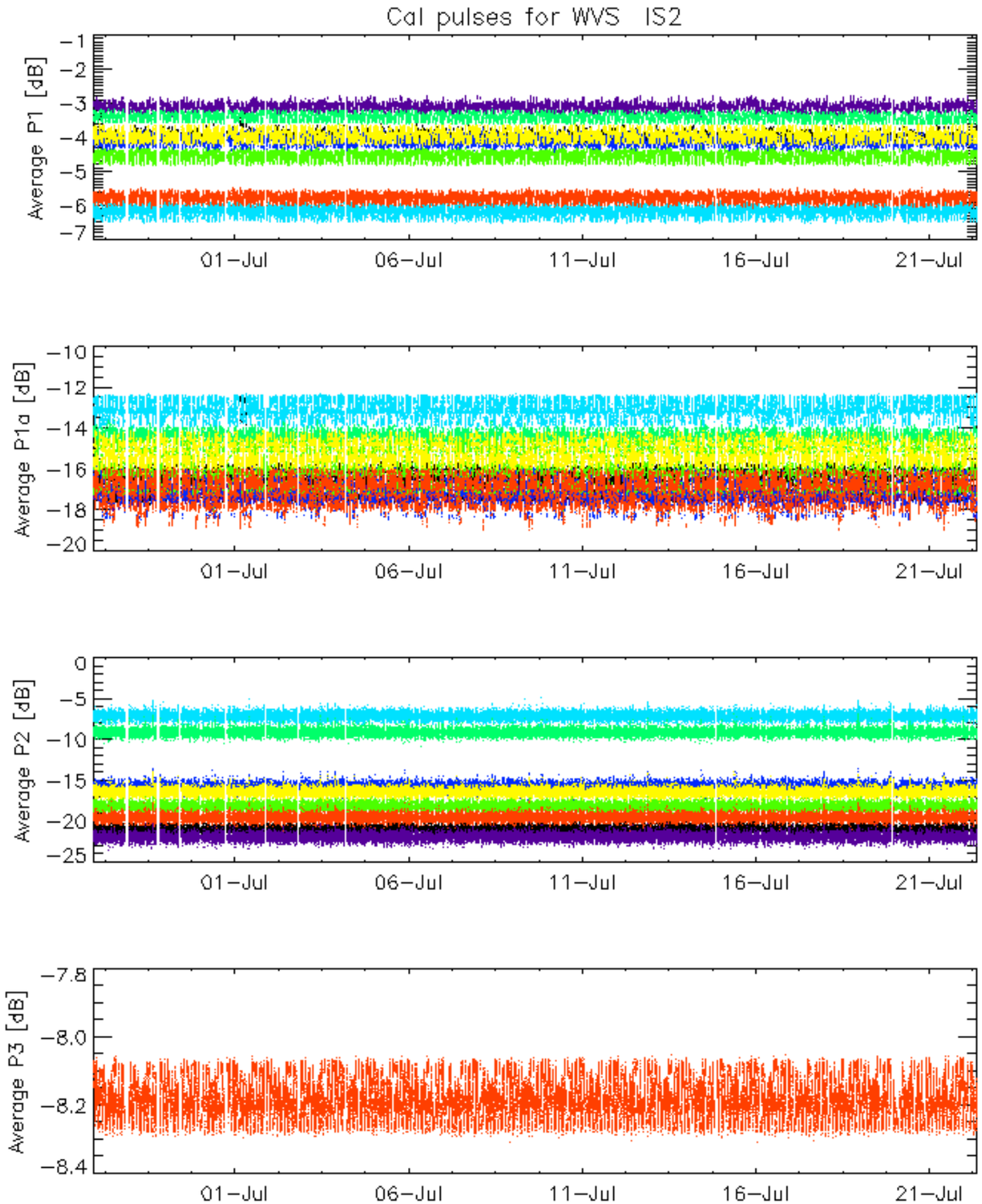
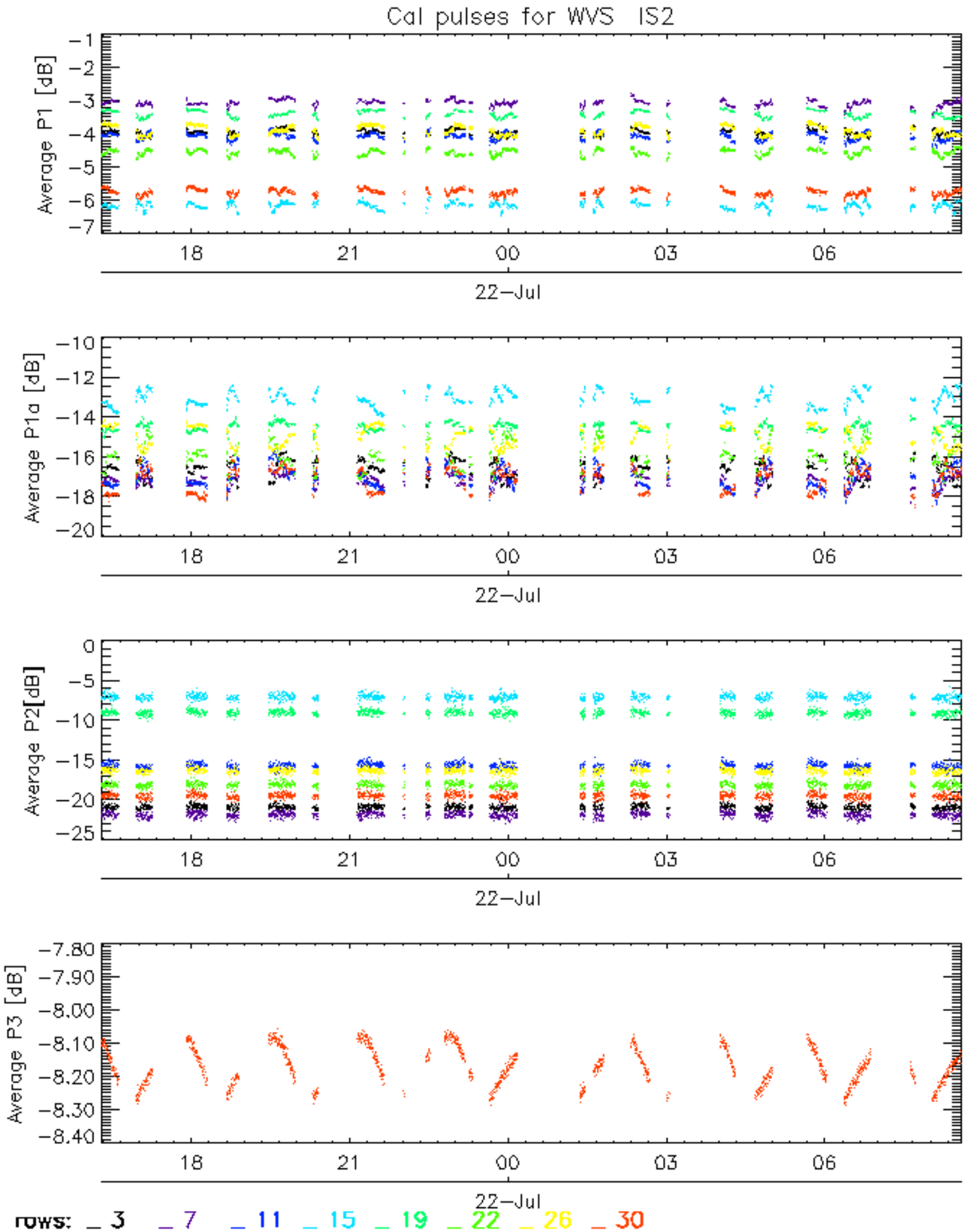

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
22−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
22−Jul
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
22−Jul
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
22−Jul
rows: 3 7 11 15 19 22 26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


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

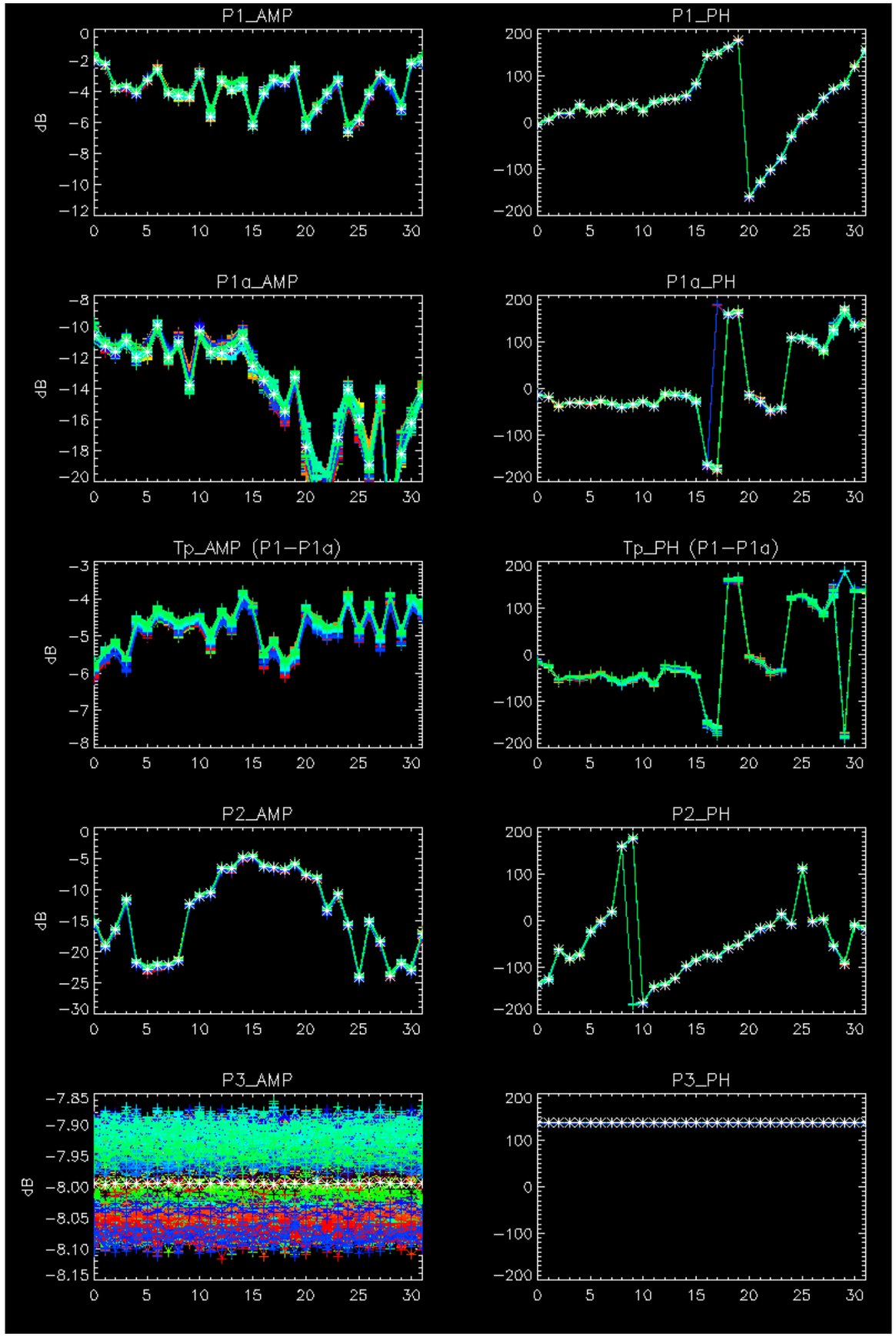

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P2 [dB]
0
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
01−Jul
06−Jul
11−Jul
16−Jul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

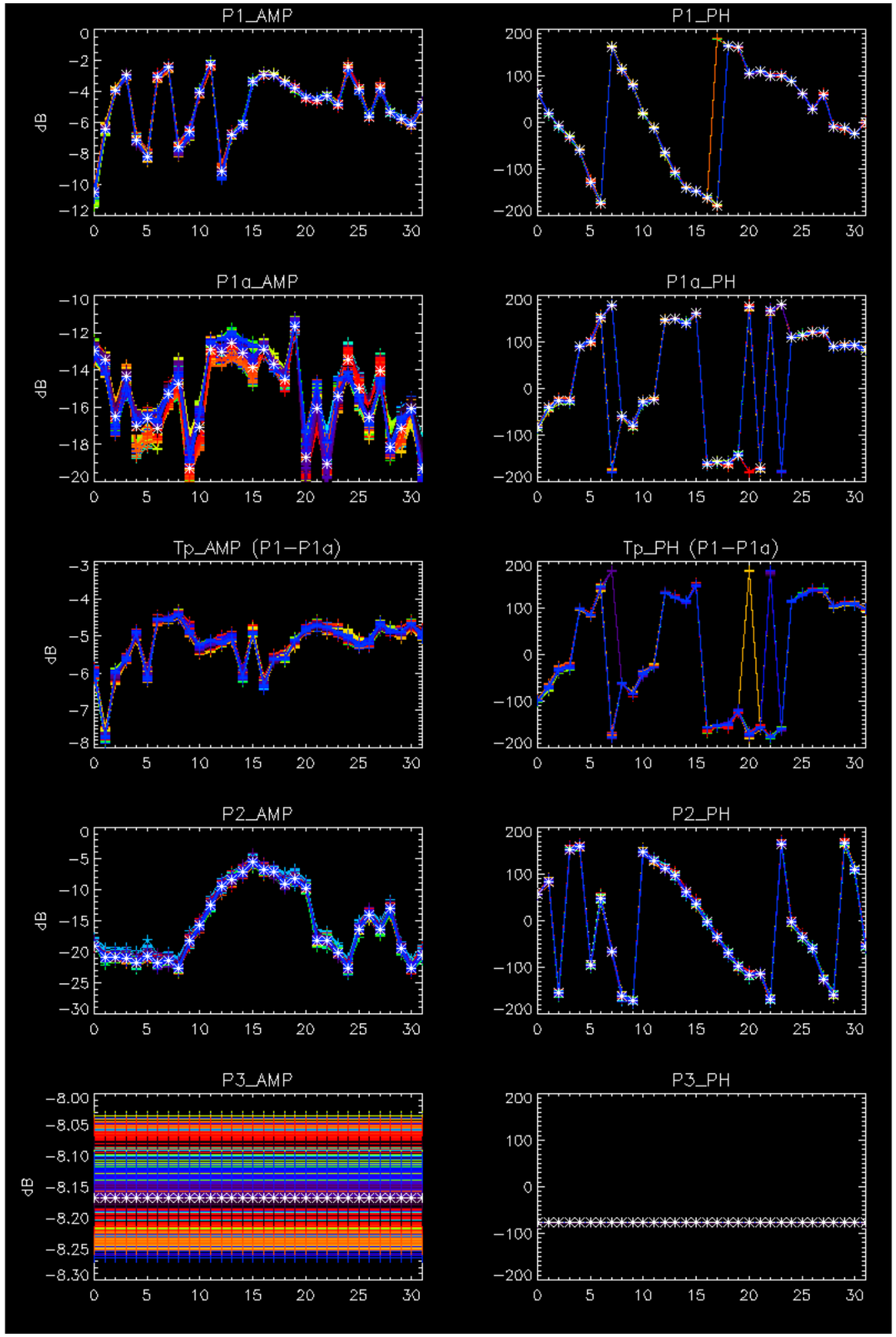

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
22−Jul
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
22−Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
22−Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
22−Jul
rows: _ 3 _ 7 _ 11 _ 15 _ 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
21−Jul
Average P1a [dB]
−10
−12
−14
−16
−18
−20
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P2 [dB]
0
−5
−10
−15
−20
−25
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
01−Jul
06−Jul
11−Jul
16−Jul
21−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
22−Jul
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
22−Jul
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
22−Jul
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
22−Jul
rows: 3 7 11 15 19 22 26 30

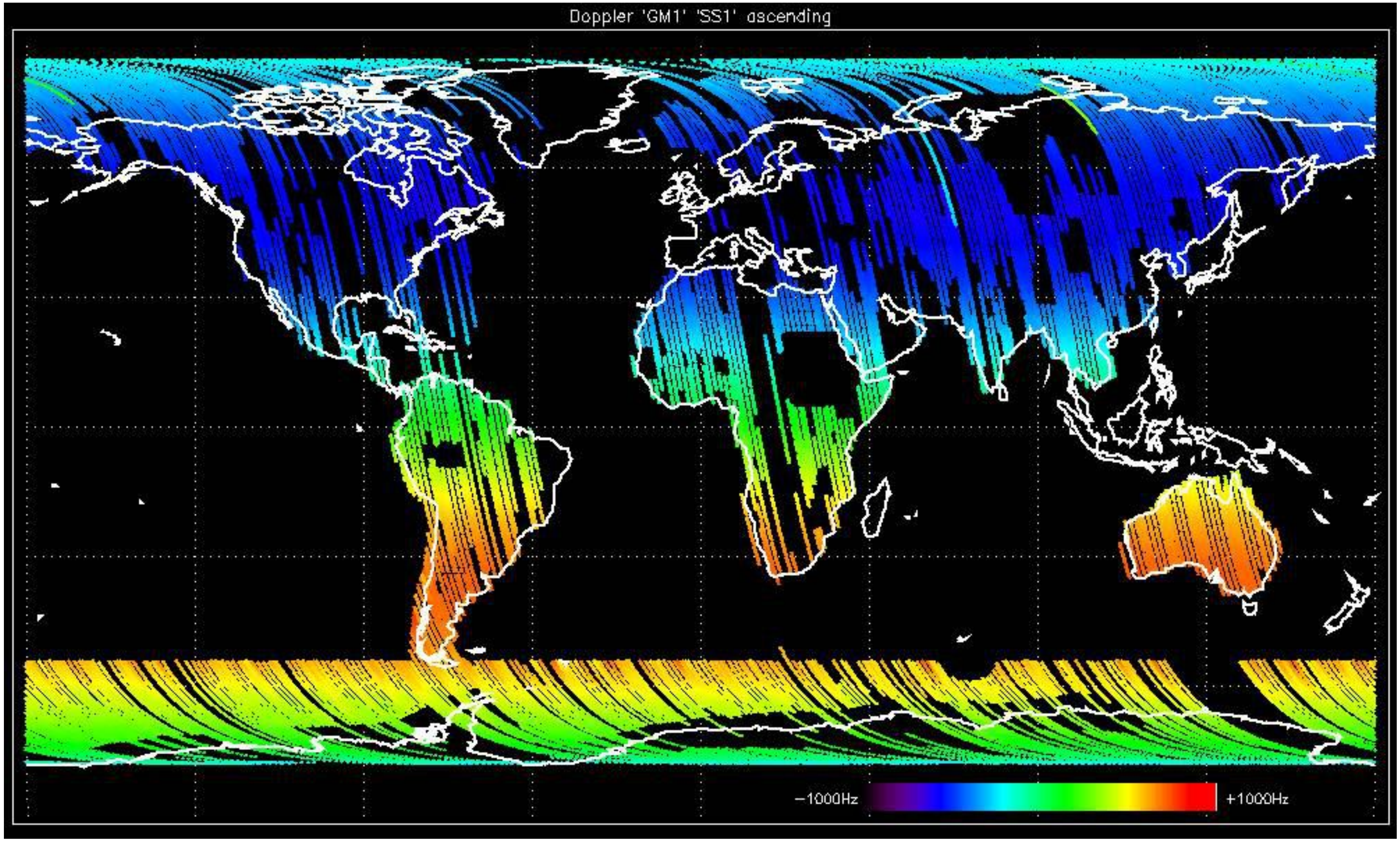
No anomalies observed.

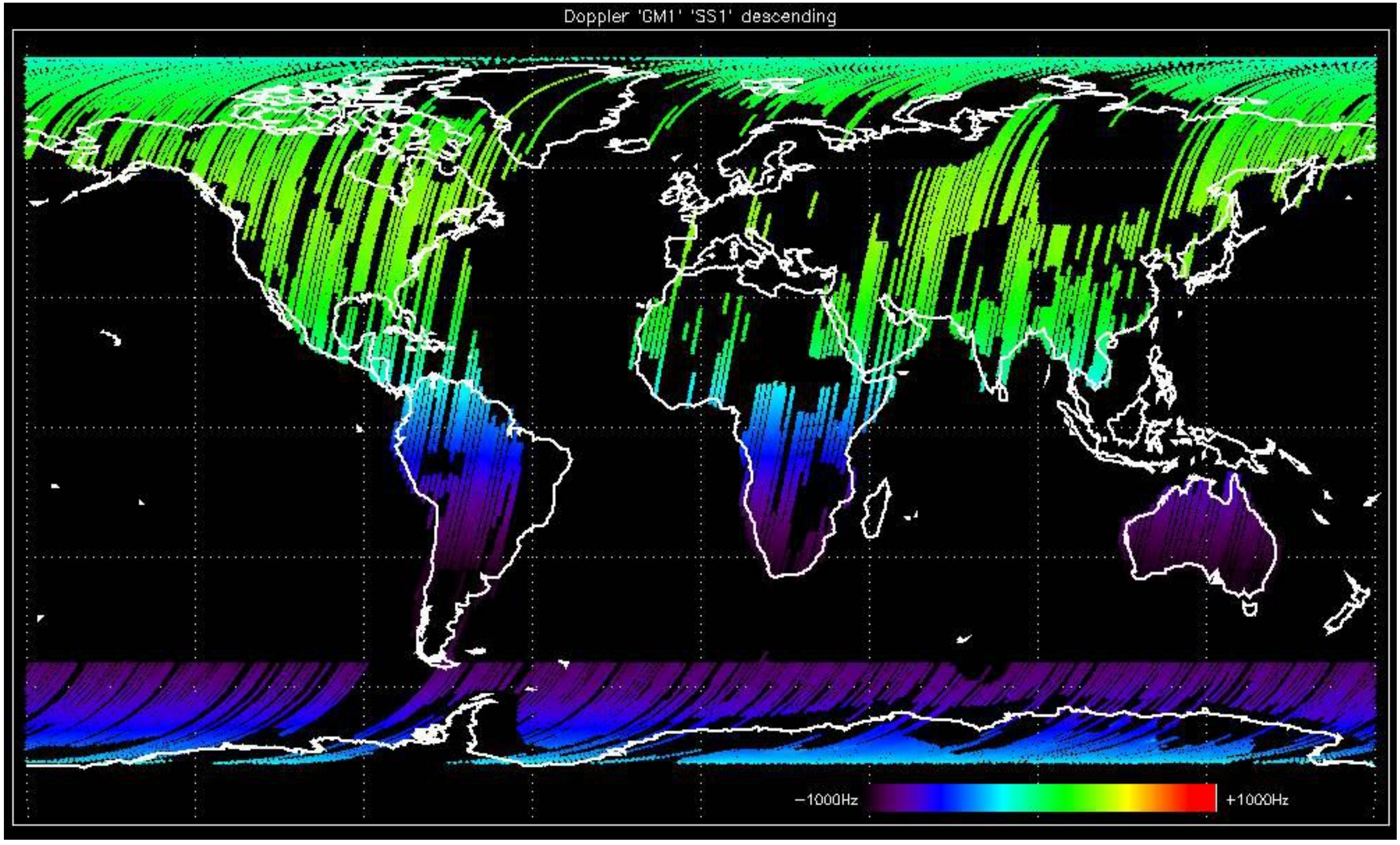

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

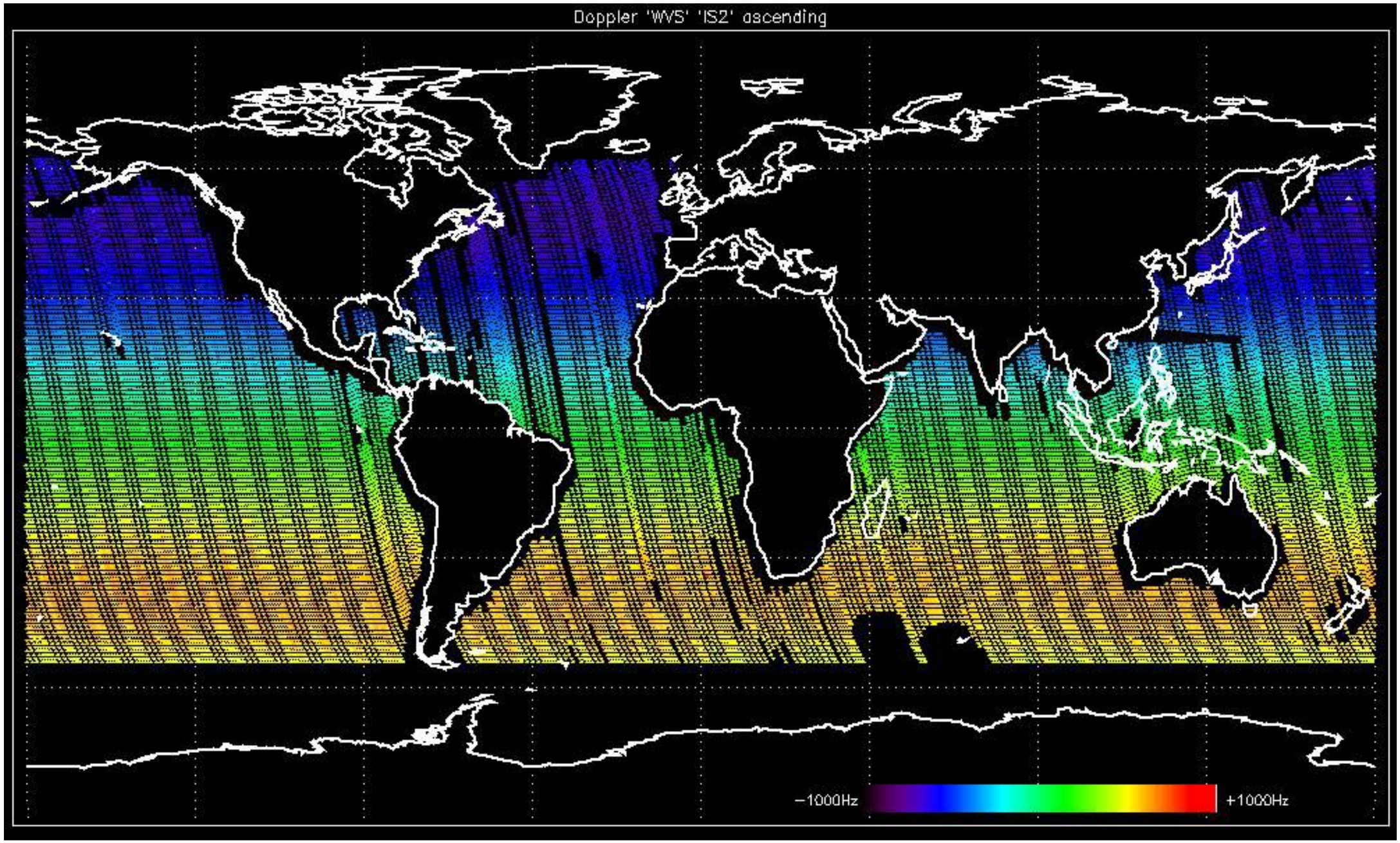

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

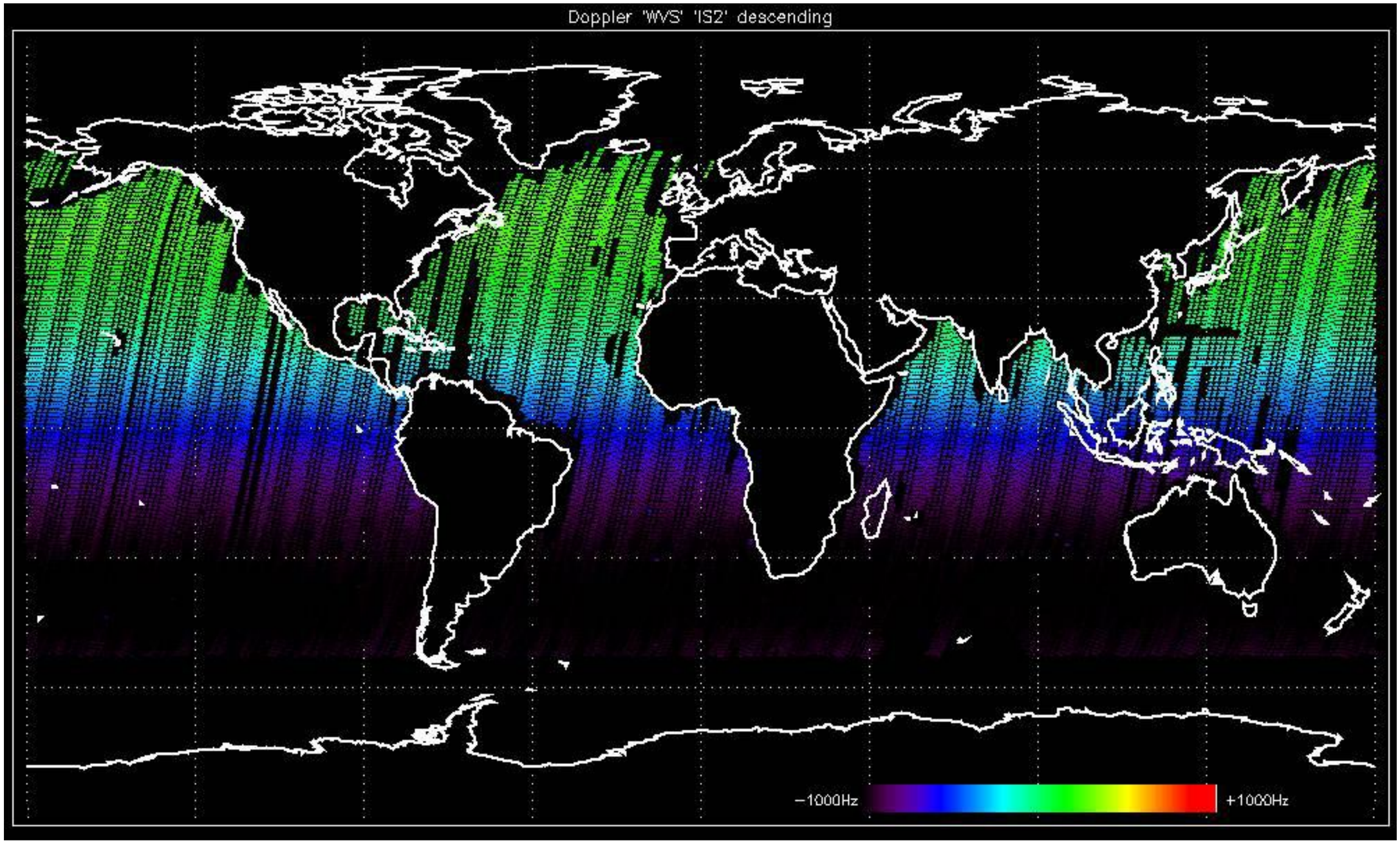
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

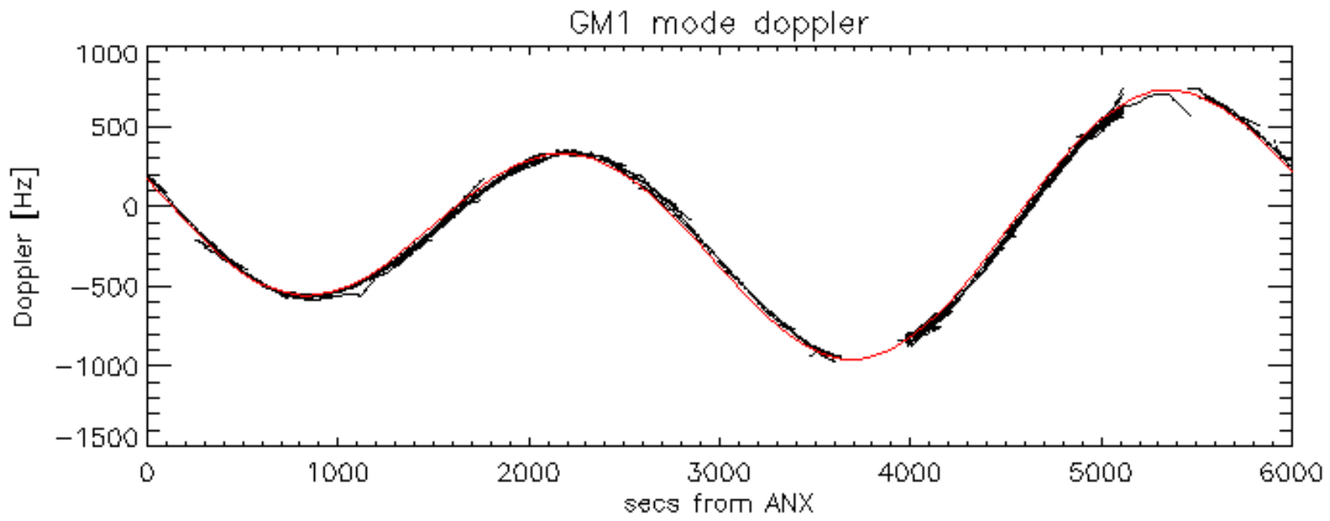
Preliminary report.The data is not yet controled

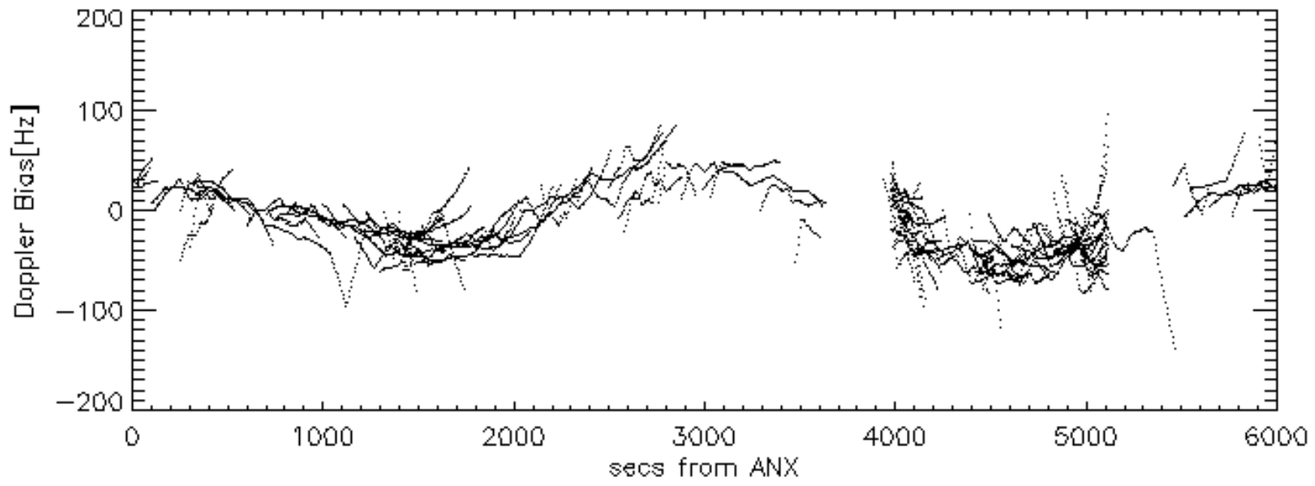

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

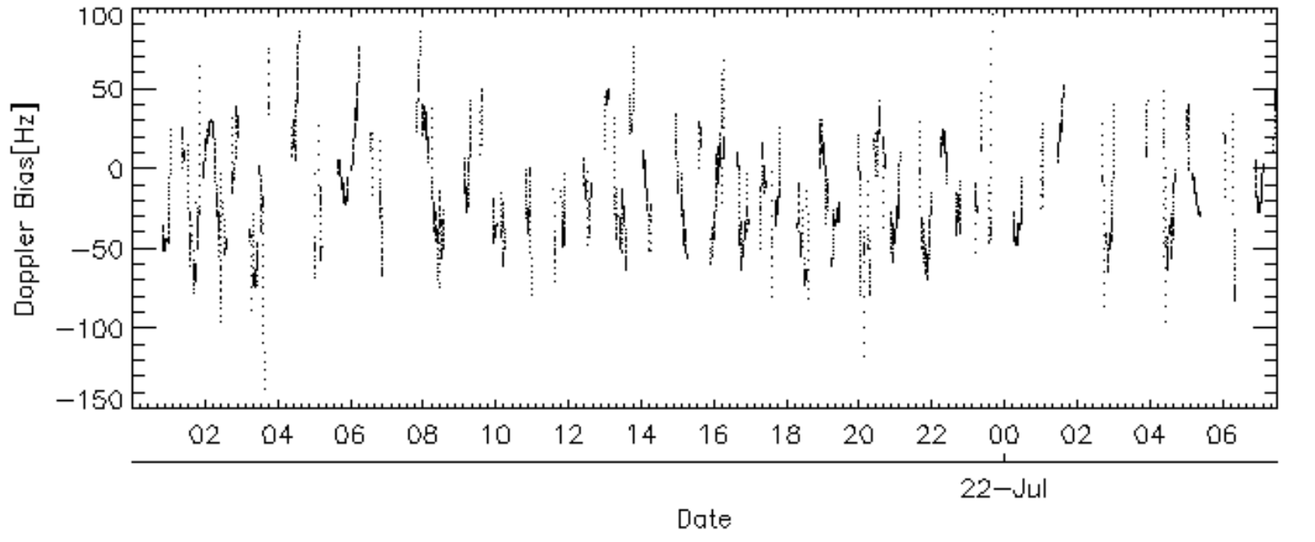

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

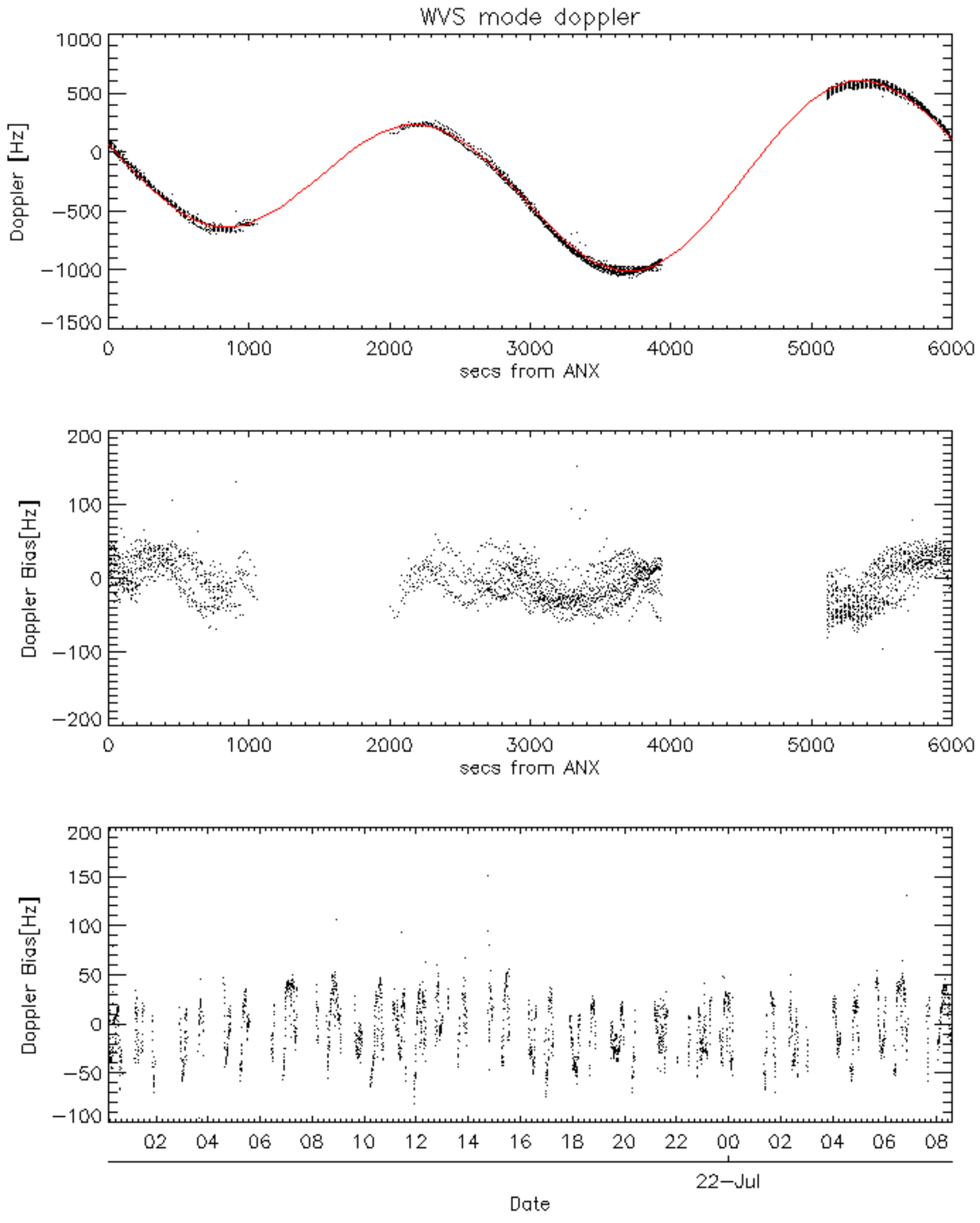

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

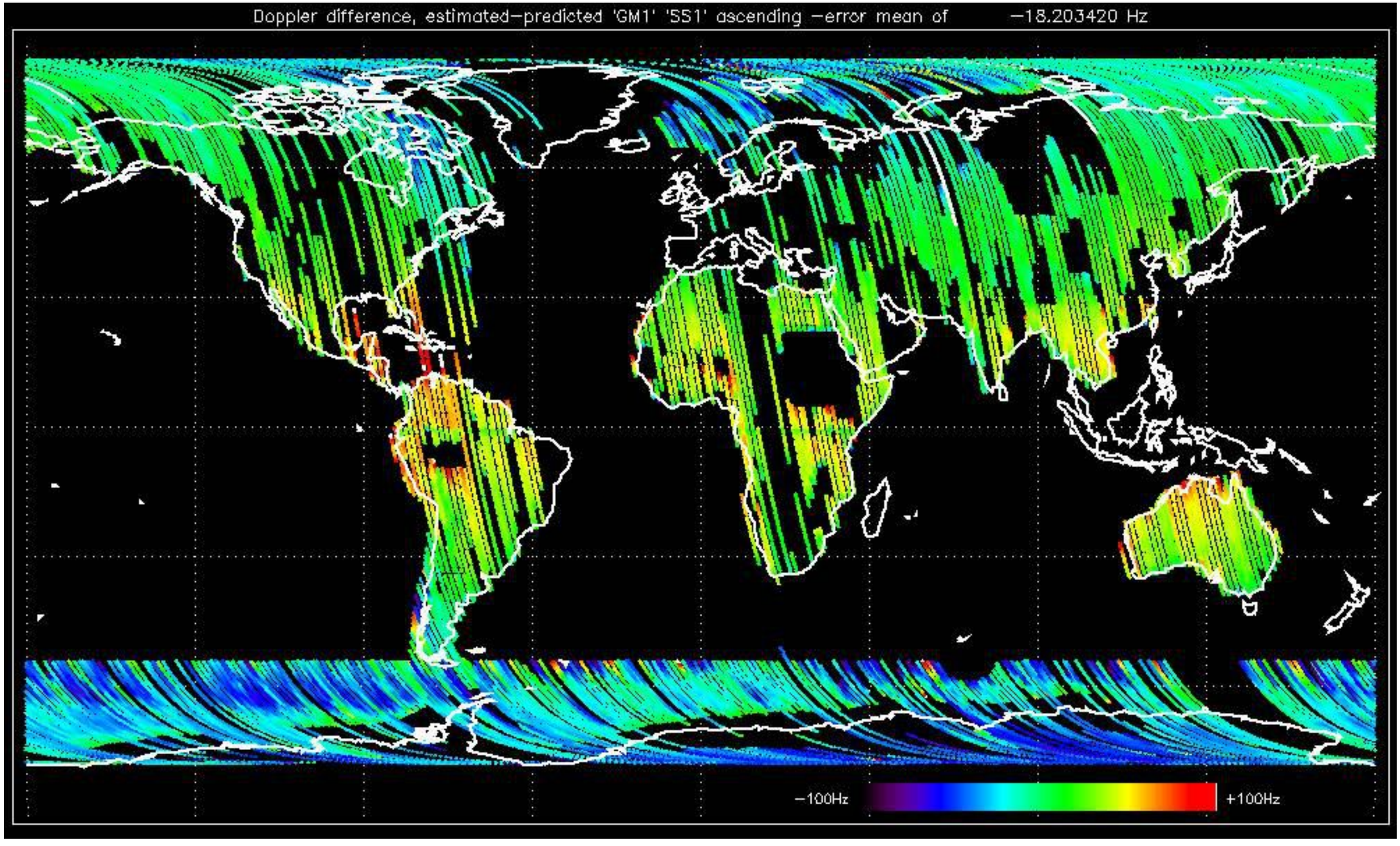

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

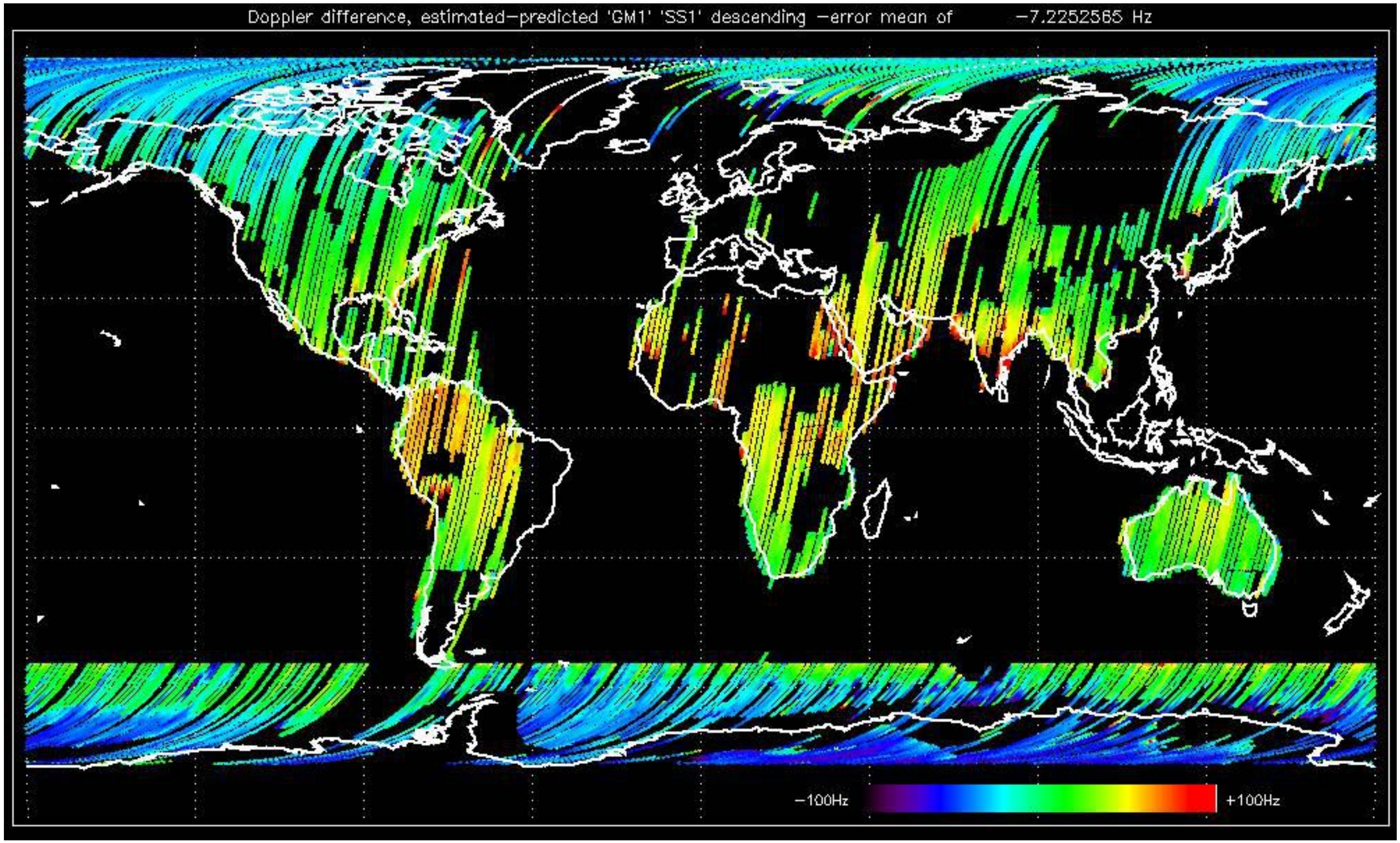

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

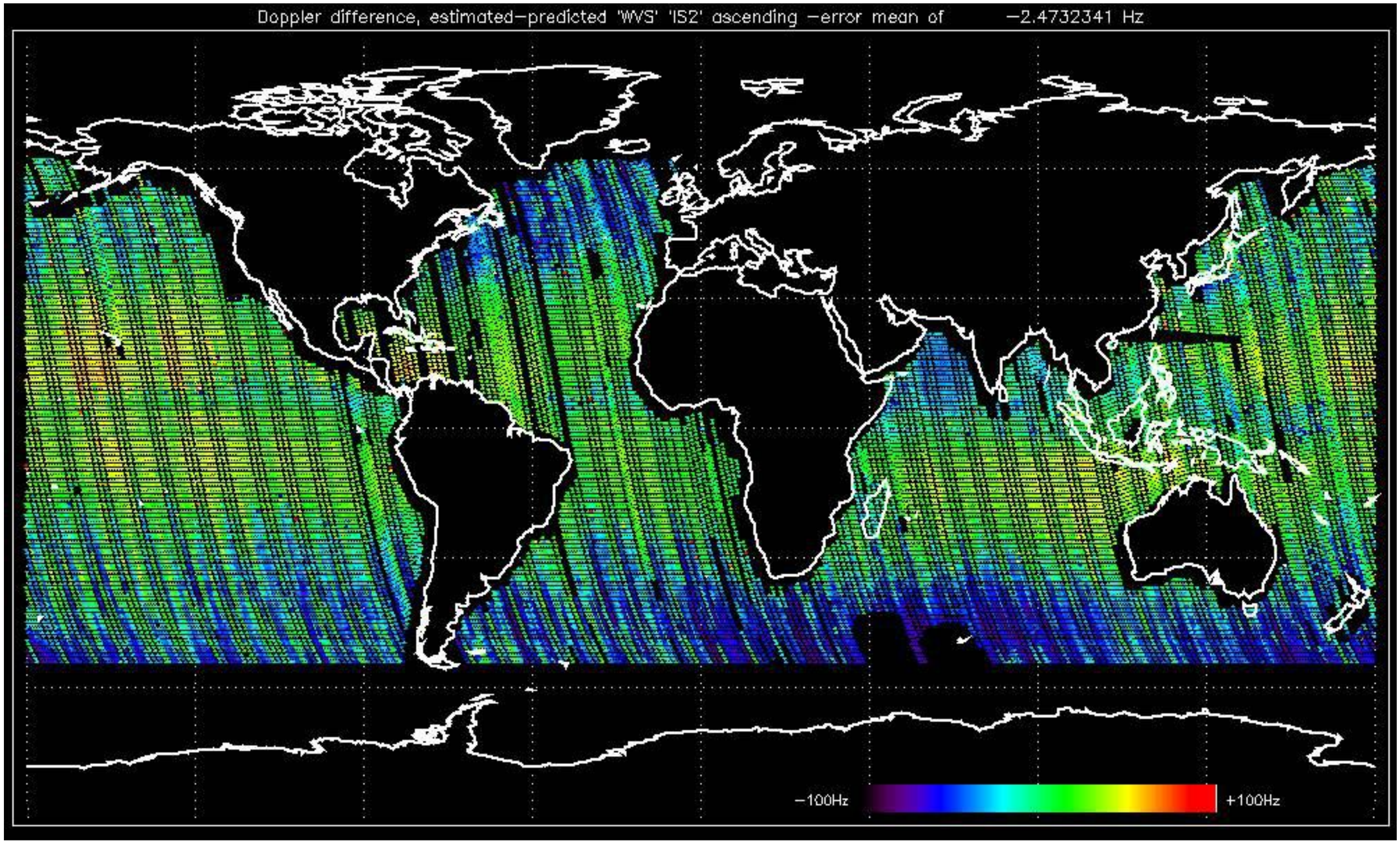

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

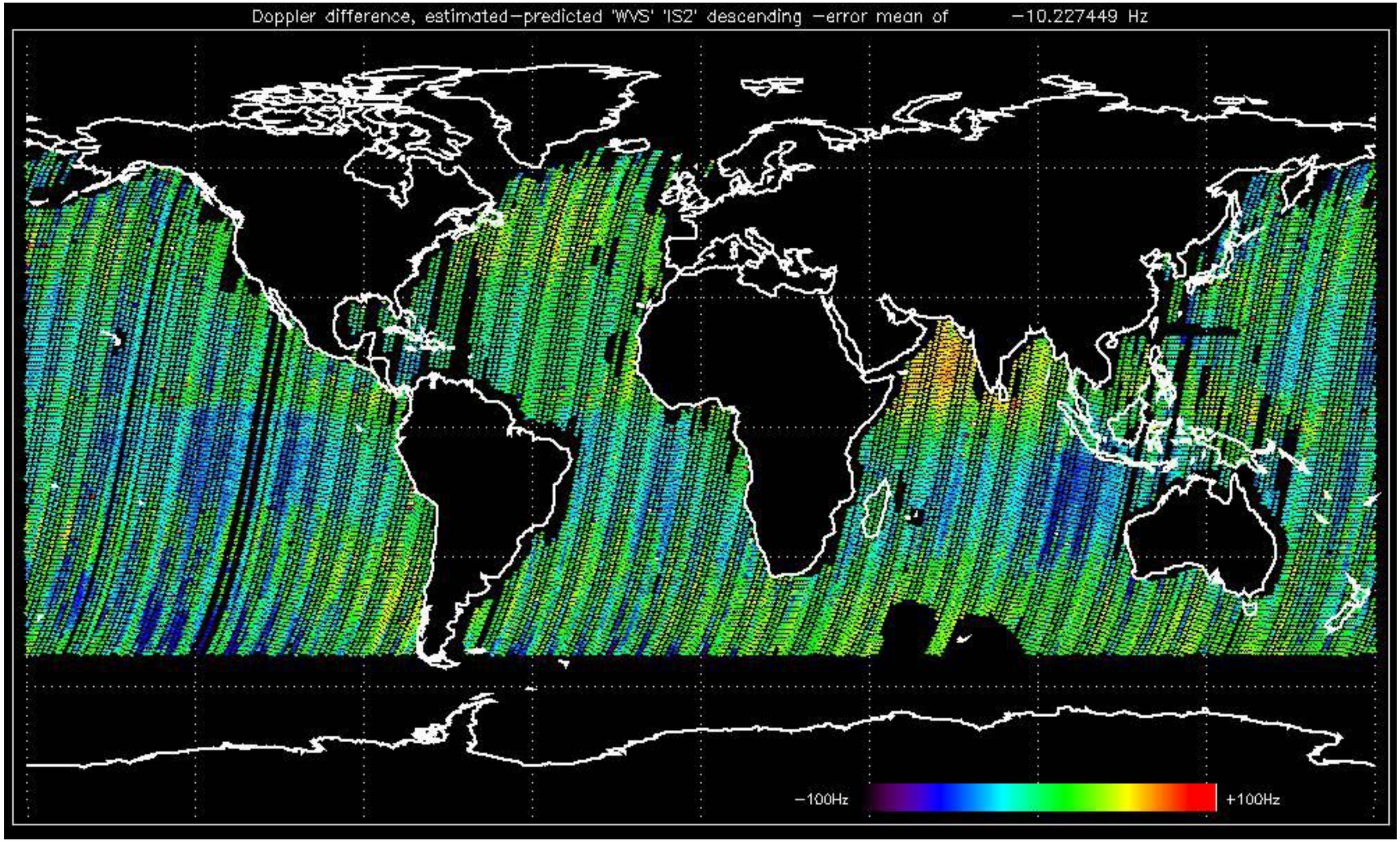

Doppler Bias[Hz]
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
22−Jul
Date


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
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
22−Jul
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.203420 Hz
−100Hz
+100Hz

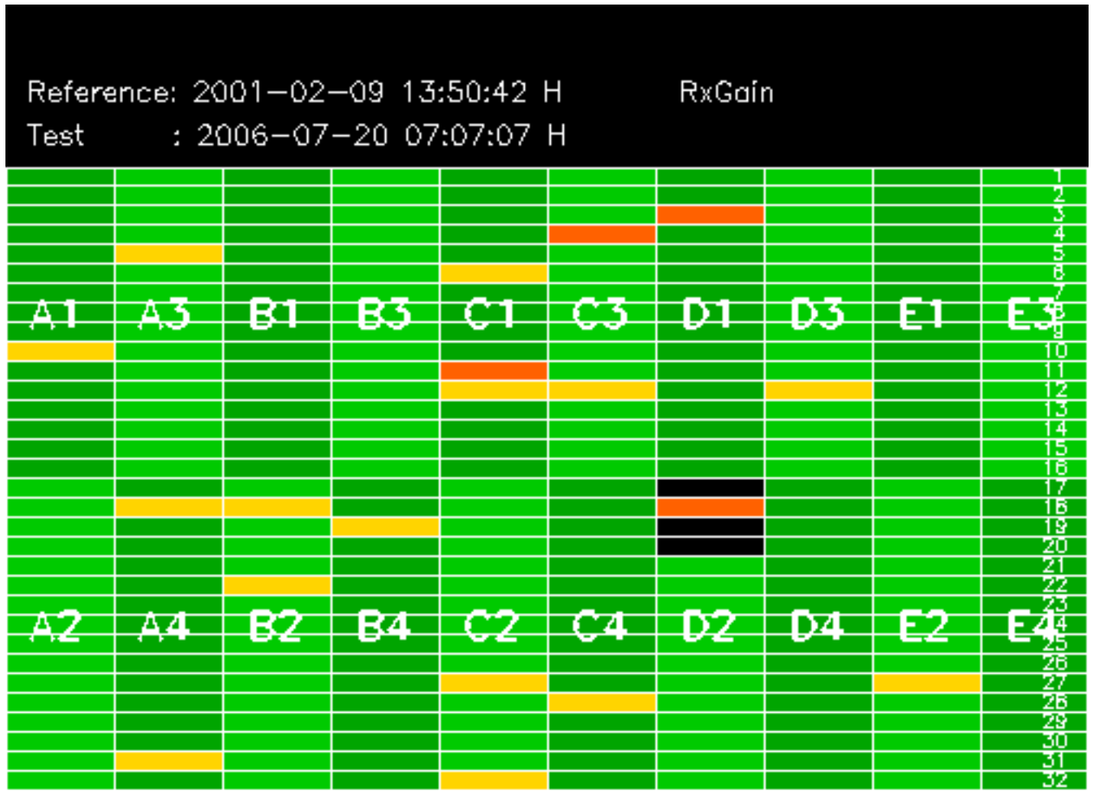

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -7.2252565 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −2.4732341 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −10.227449 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-20 07:07:07 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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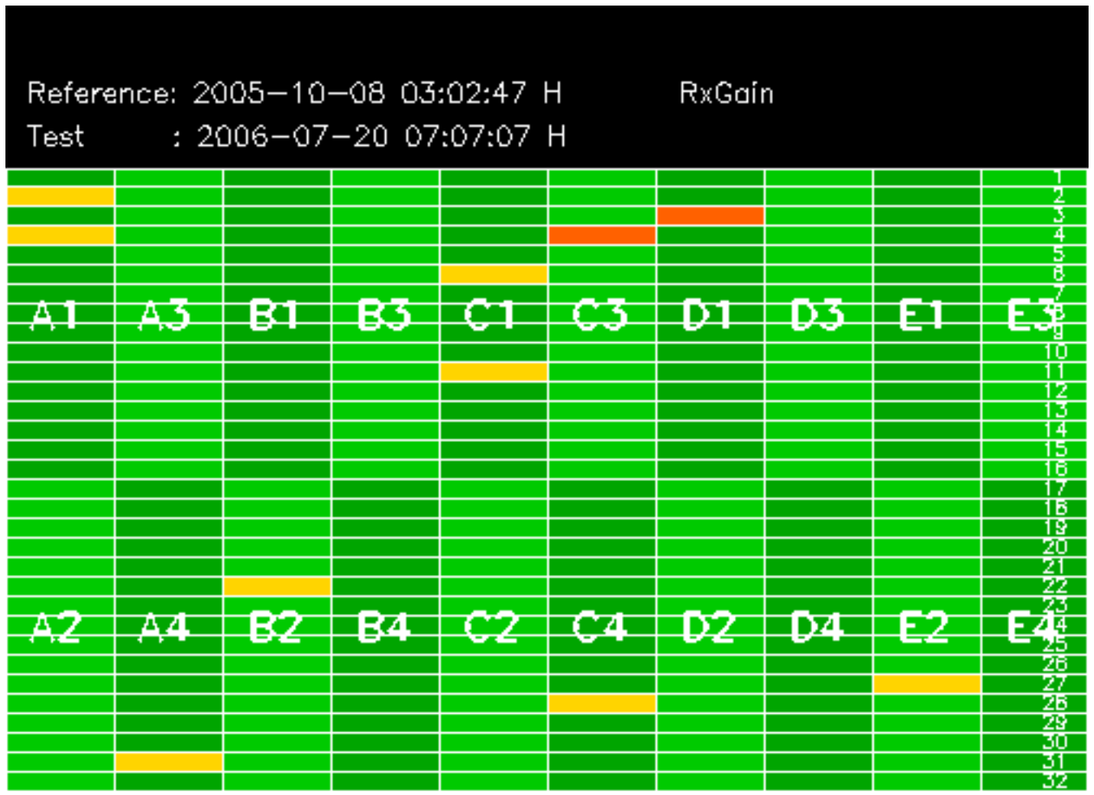
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-20 07:07:07 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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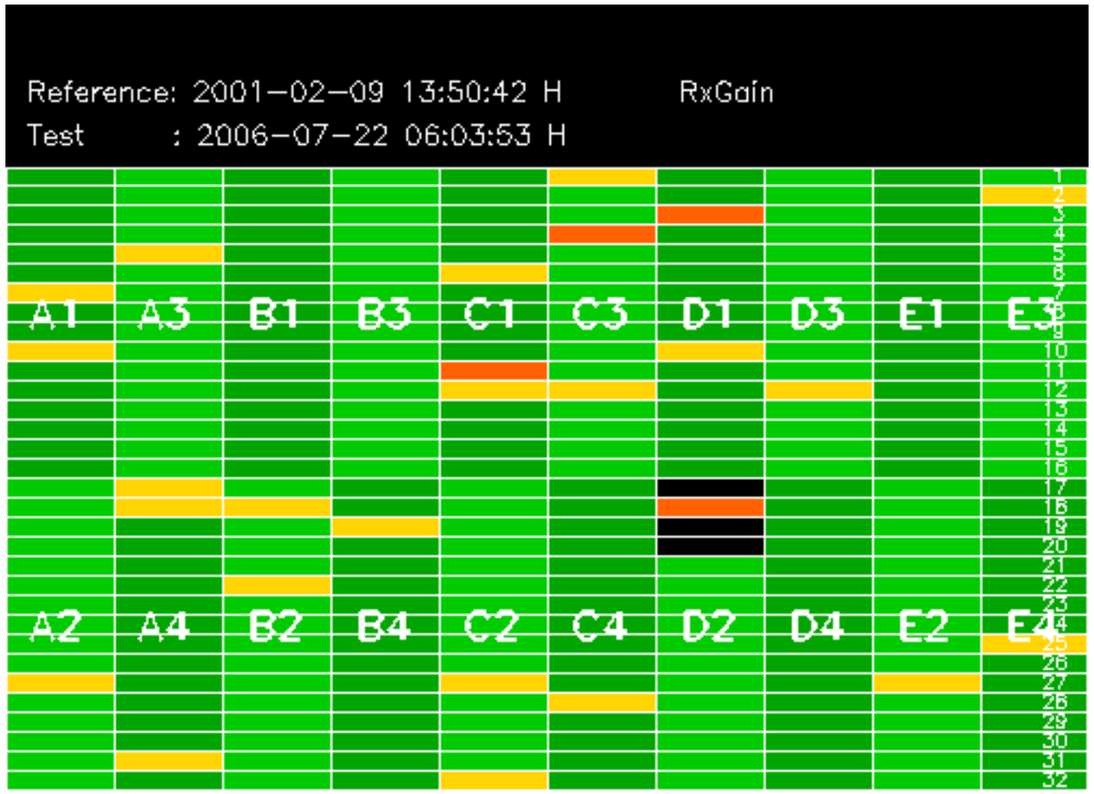
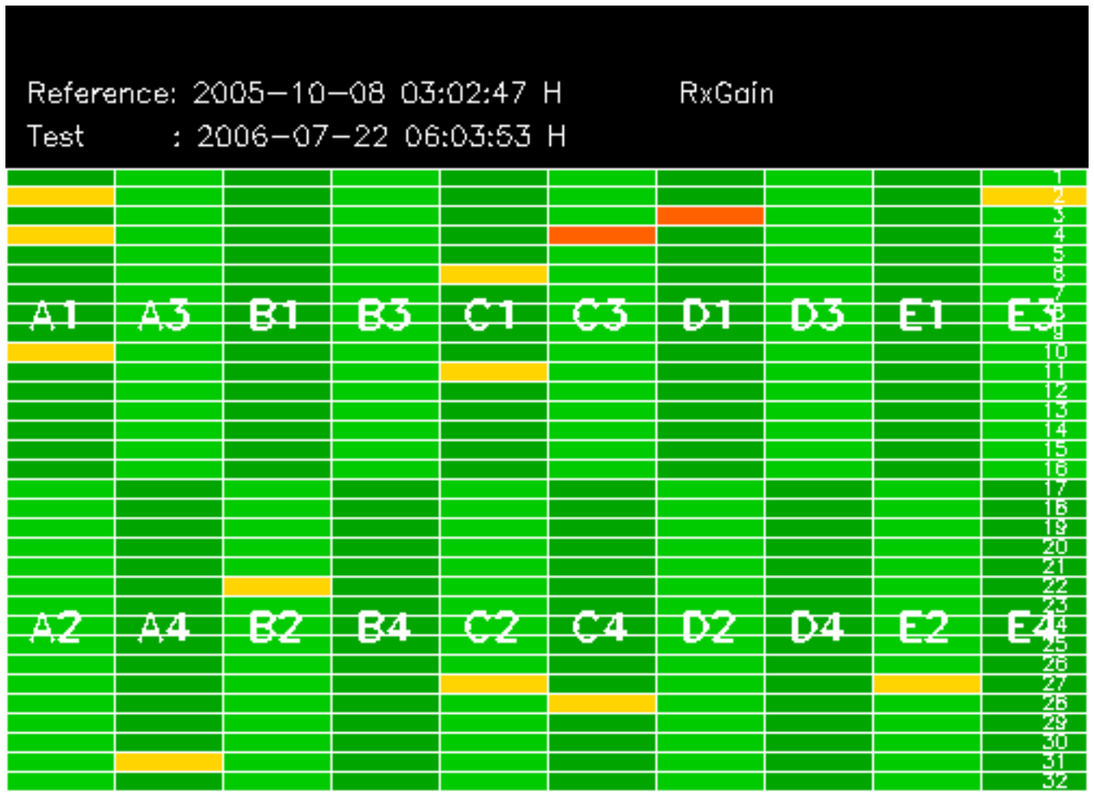

Reference: 2001-02-09 13:50:42 H
Test : 2006-07-22 06:03:53 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-07-22 06:03:53 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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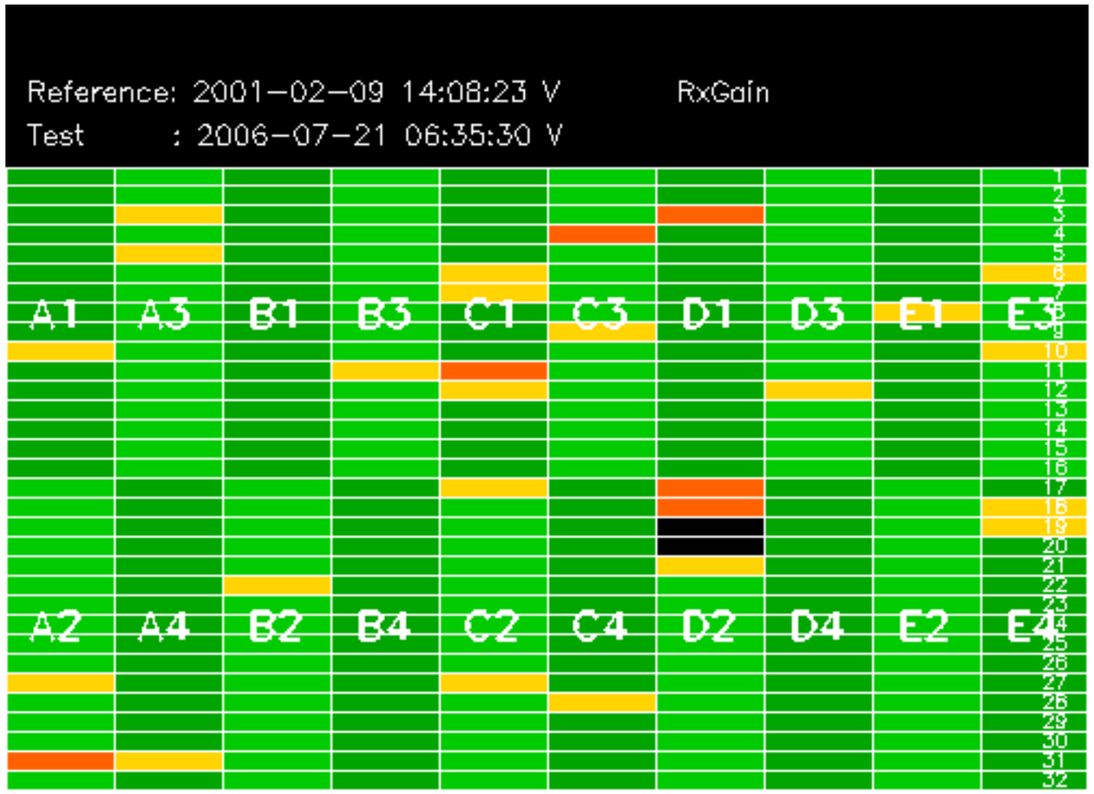
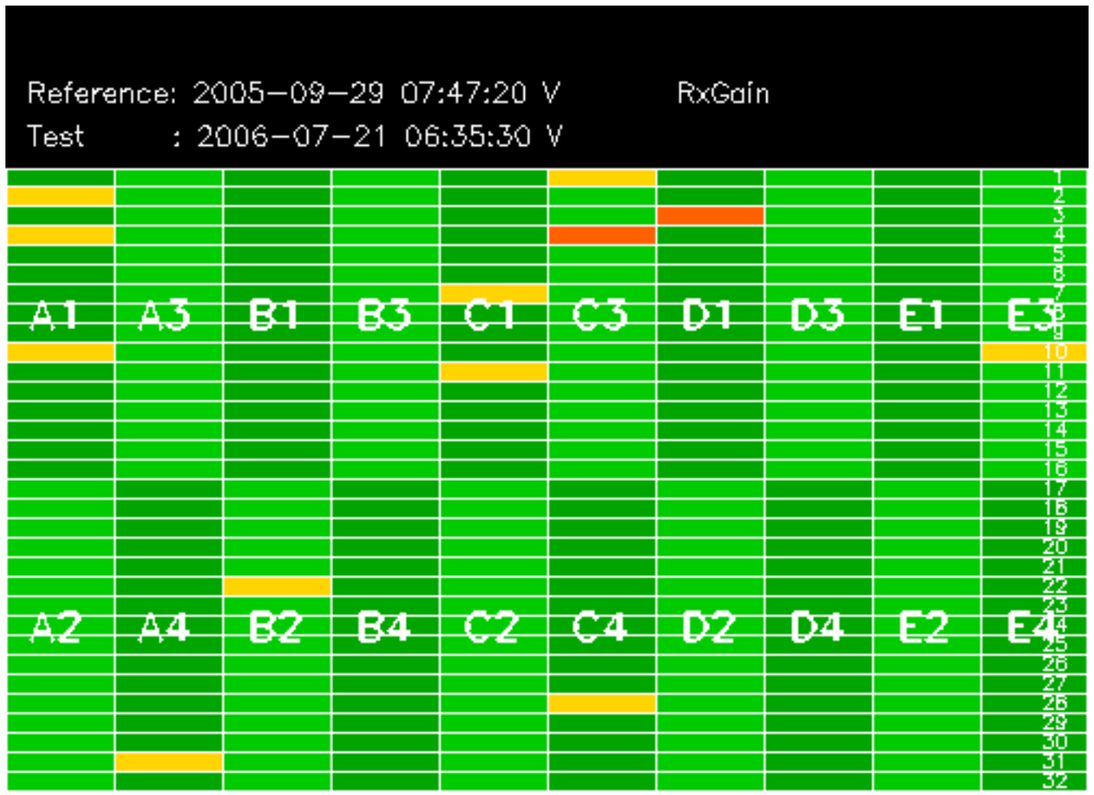
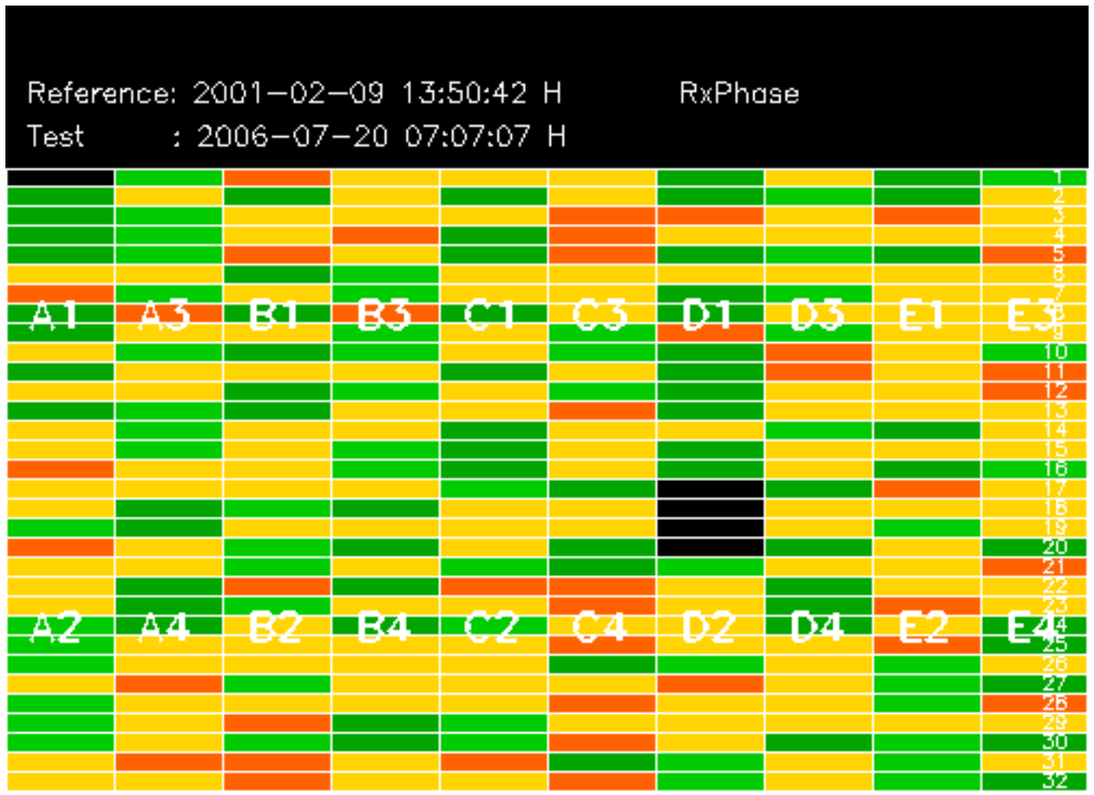

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-21 06:35:30 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-07-21 06:35:30 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 : 2006-07-20 07:07:07 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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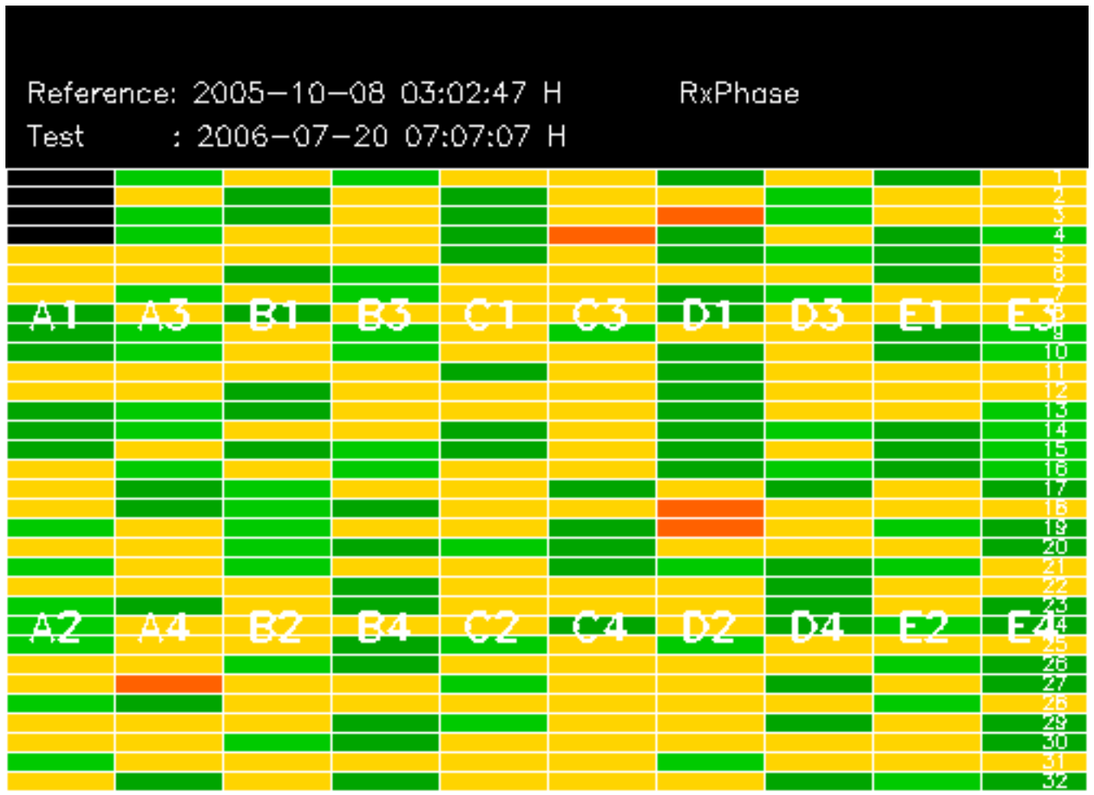
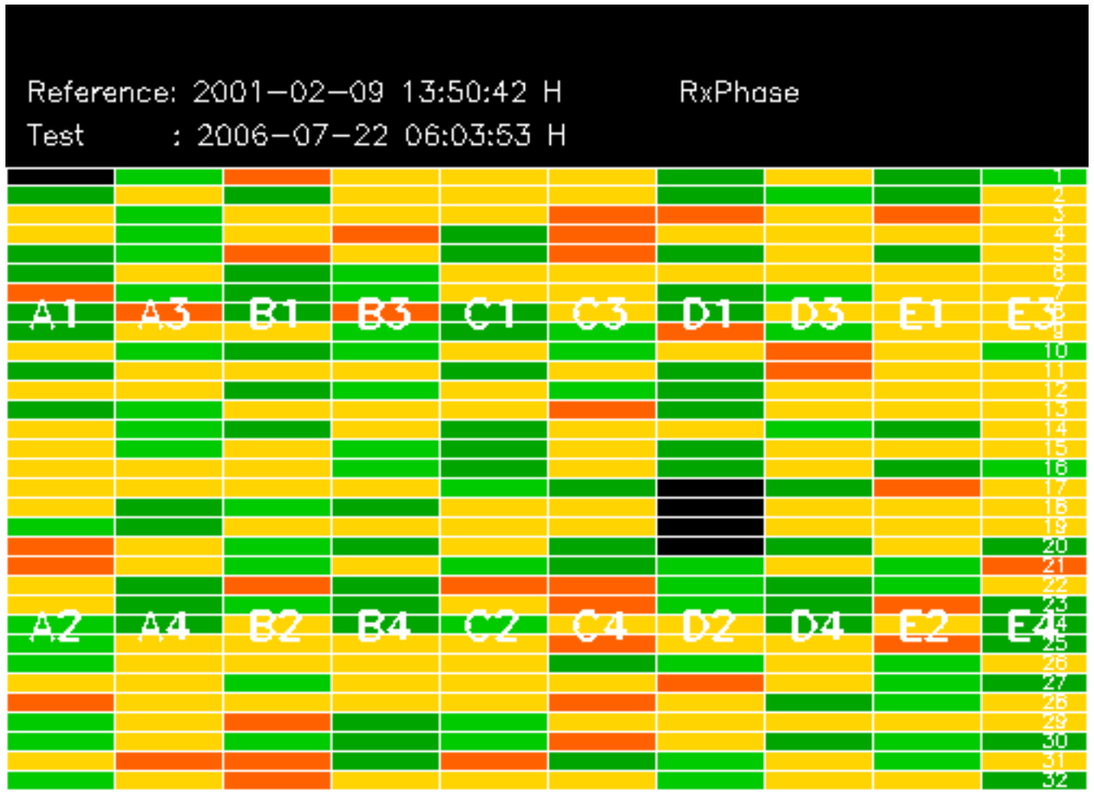

Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-07-20 07:07:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-07-22 06:03:53 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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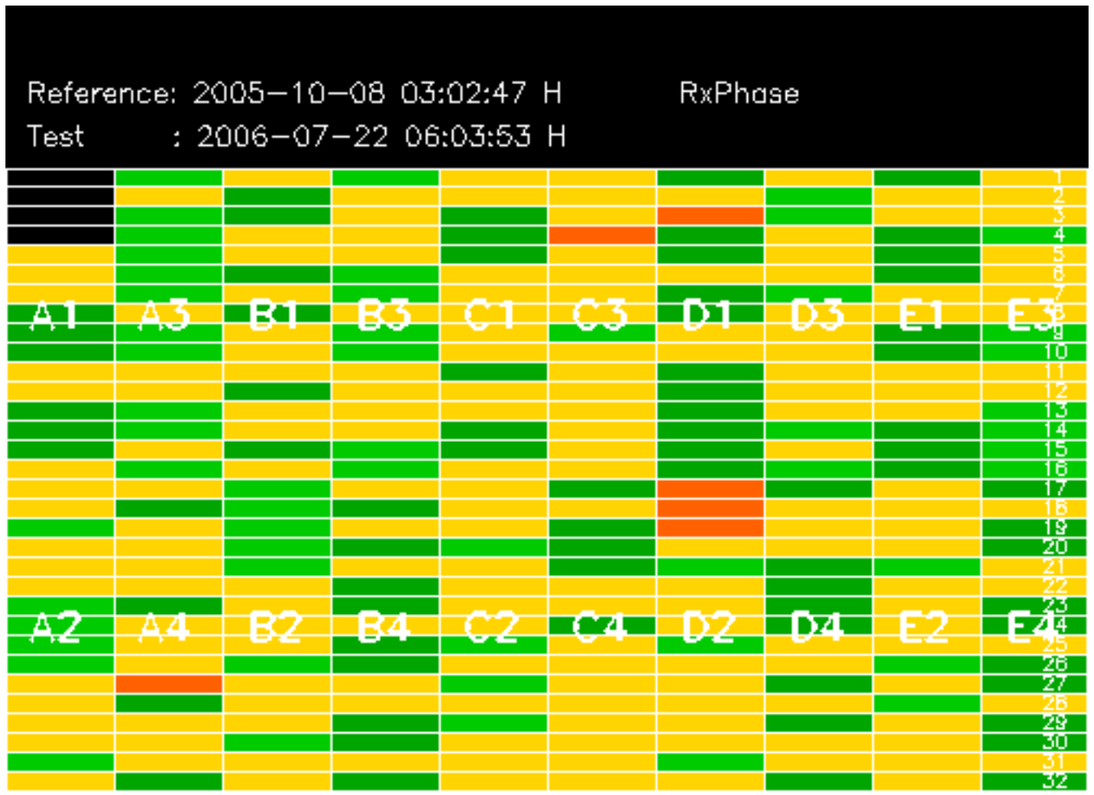
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-07-22 06:03:53 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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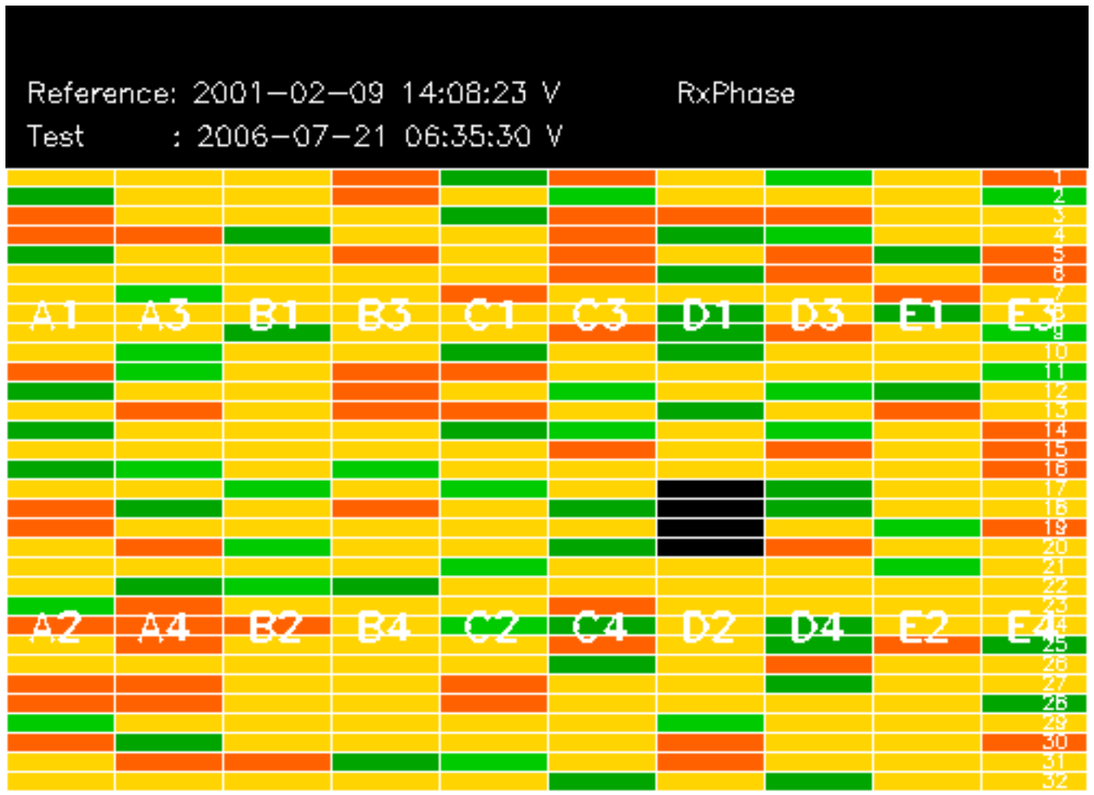
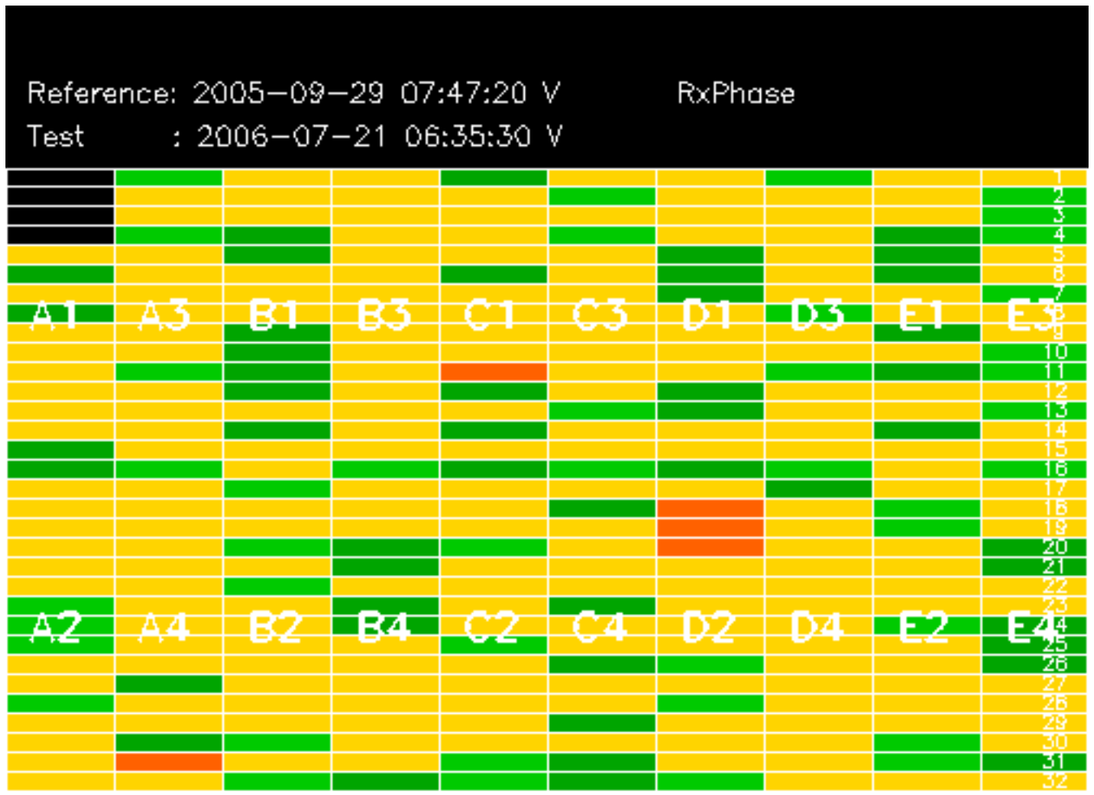
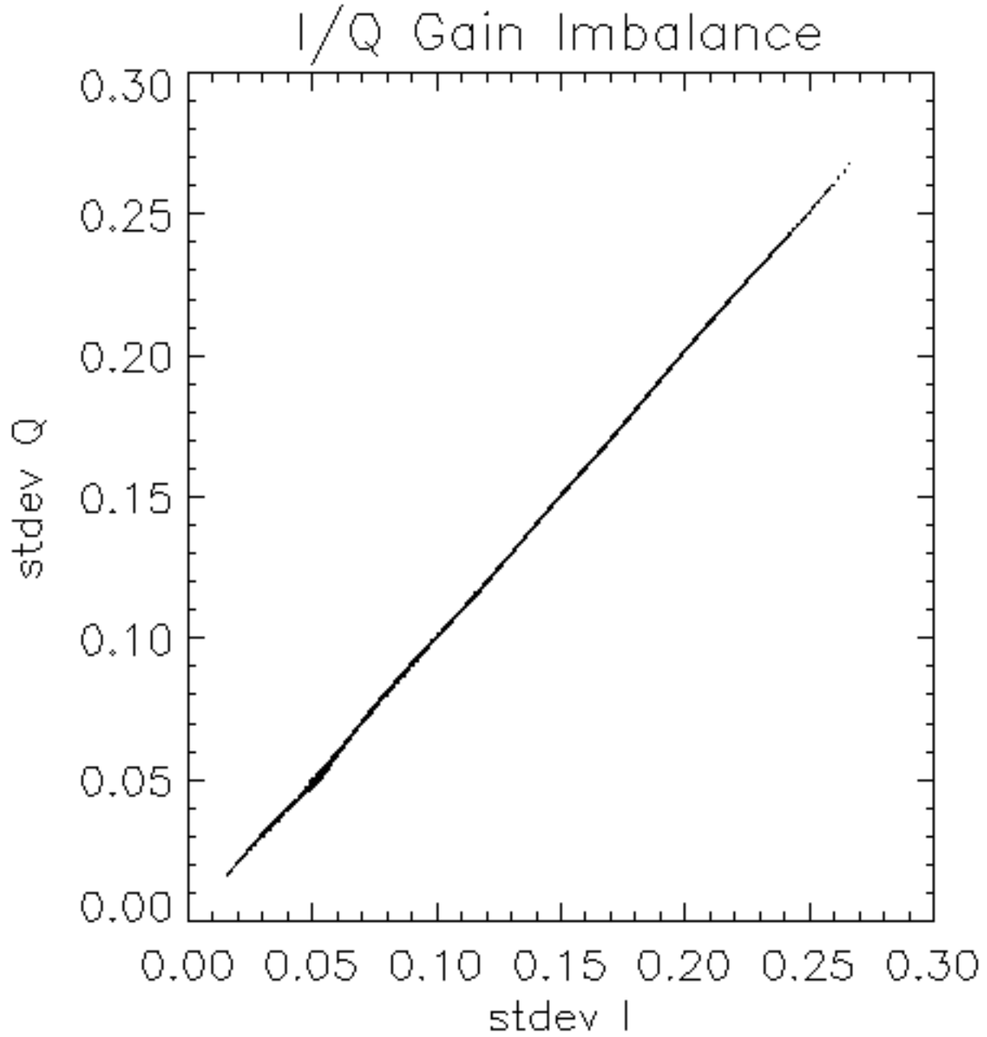
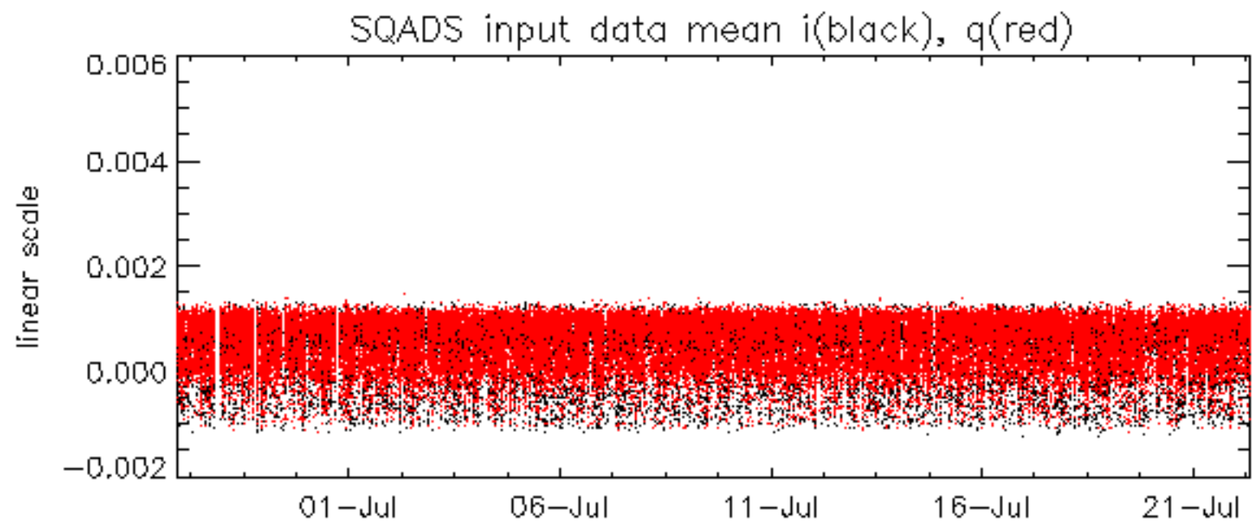
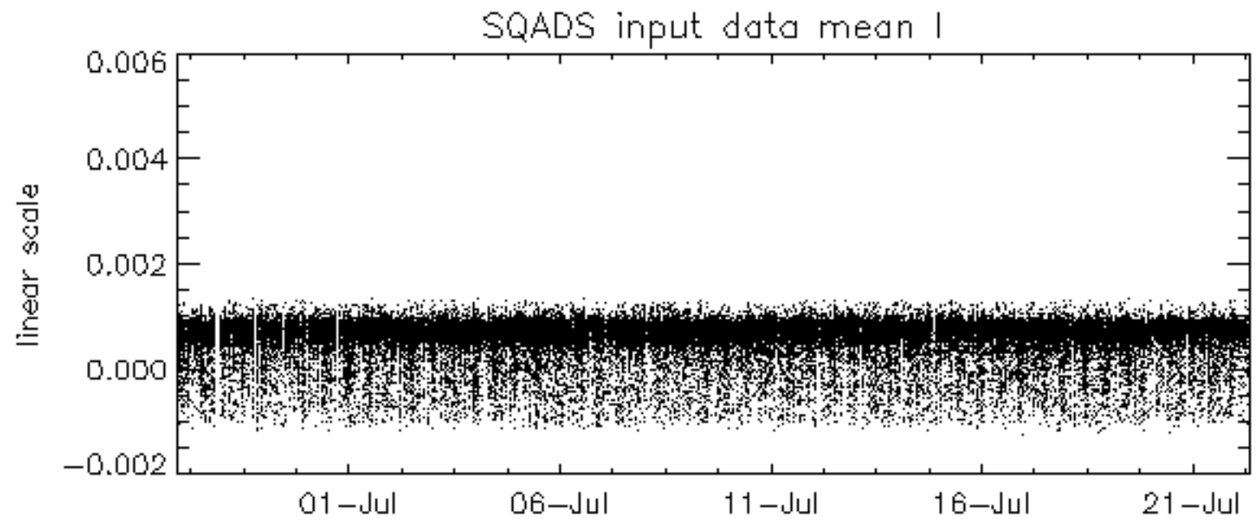
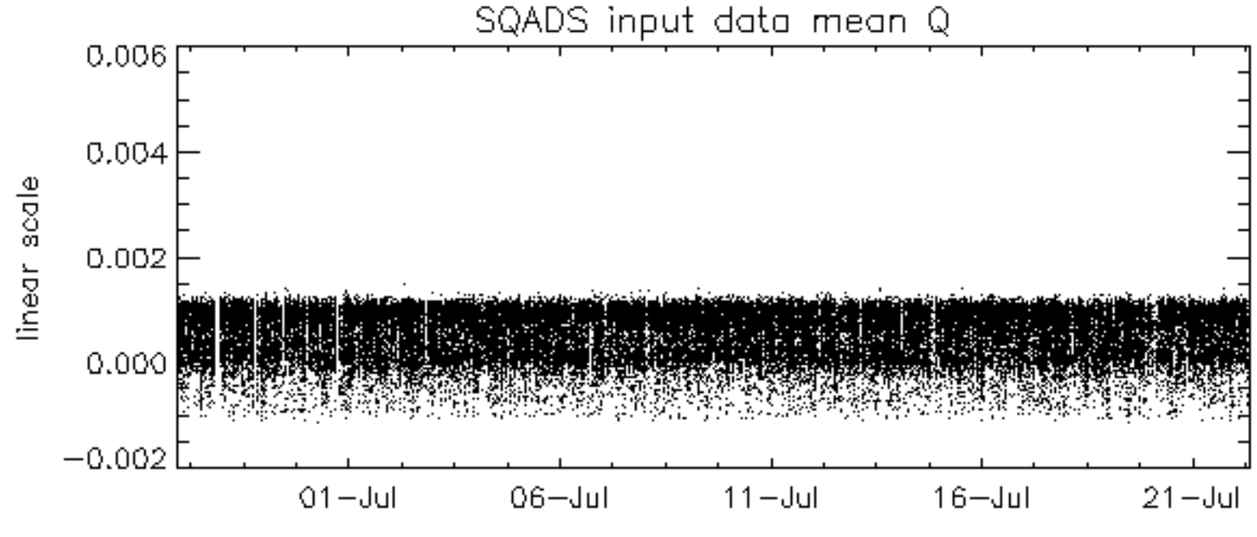

Reference: 2001-02-09 14:08:23 V
Test : 2006-07-21 06:35:30 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

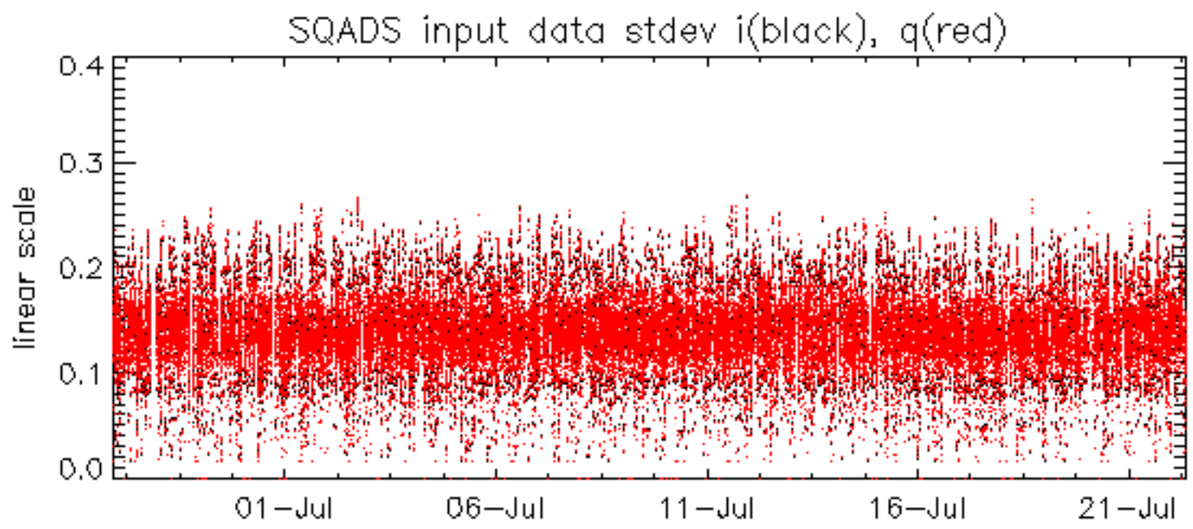

Reference: 2005-09-29 07:47:20 V
Test : 2006-07-21 06:35:30 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

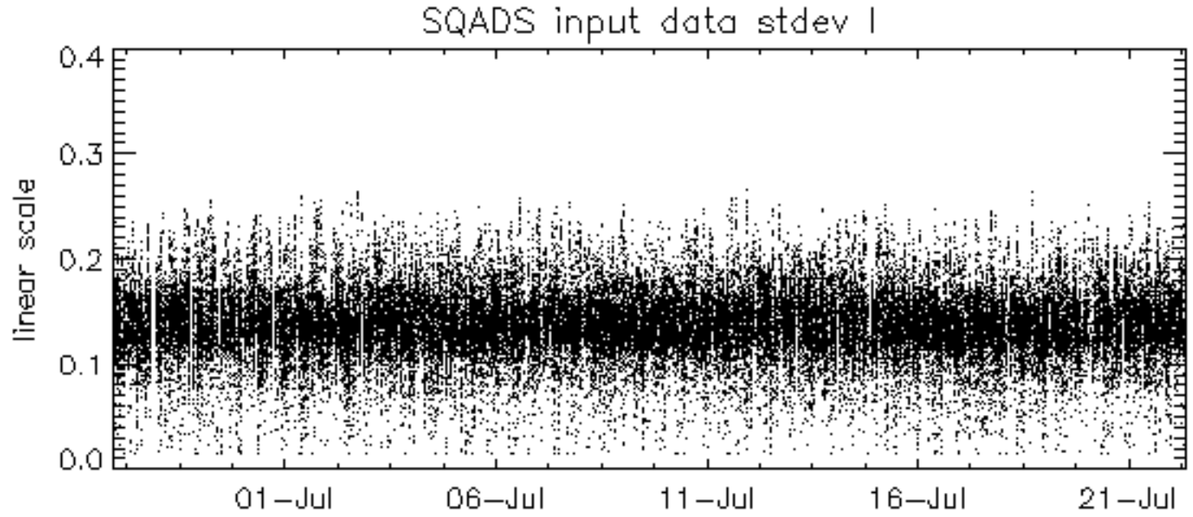

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

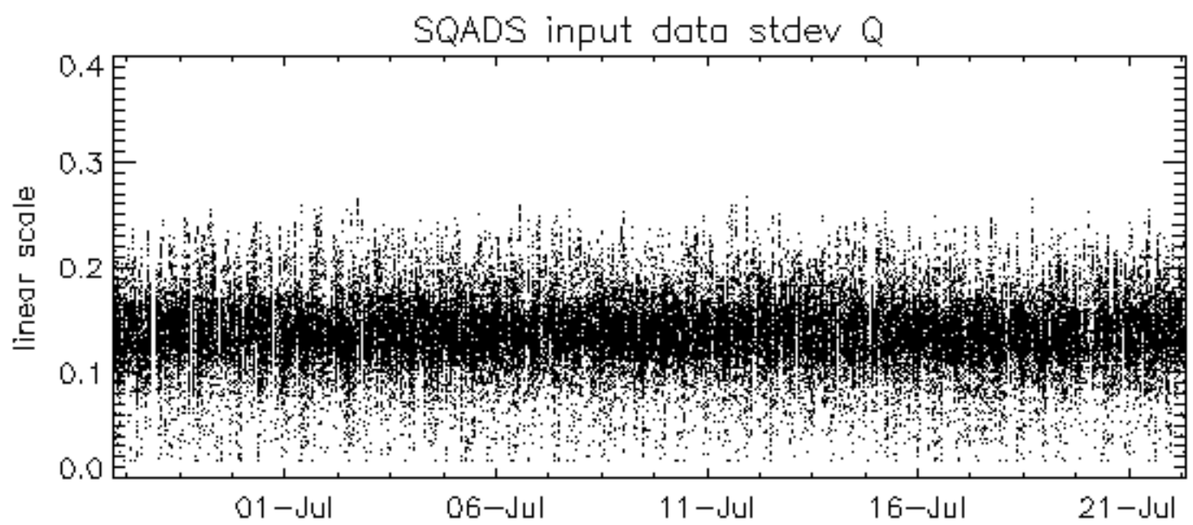

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul

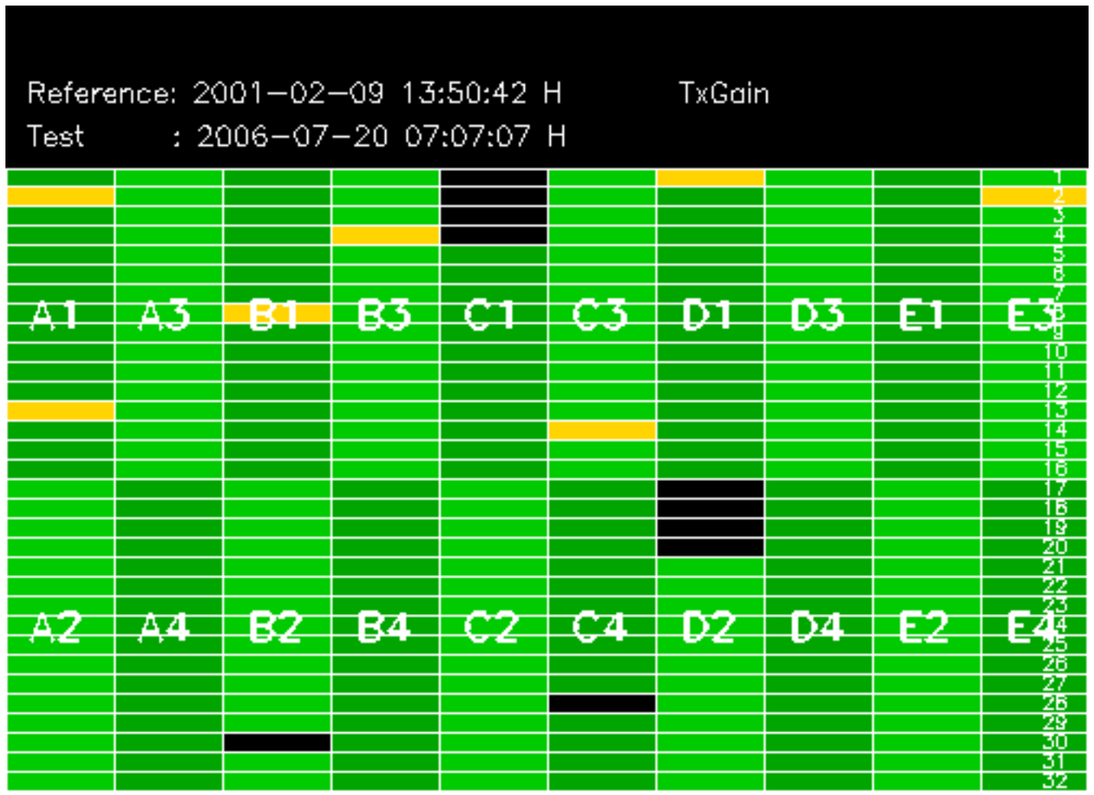

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
01−Jul
06−Jul
11−Jul
16−Jul
21−Jul


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
21−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
21−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
21−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
21−Jul


Reference: 2001-02-09 13:50:42 H
Test : 2006-07-20 07:07:07 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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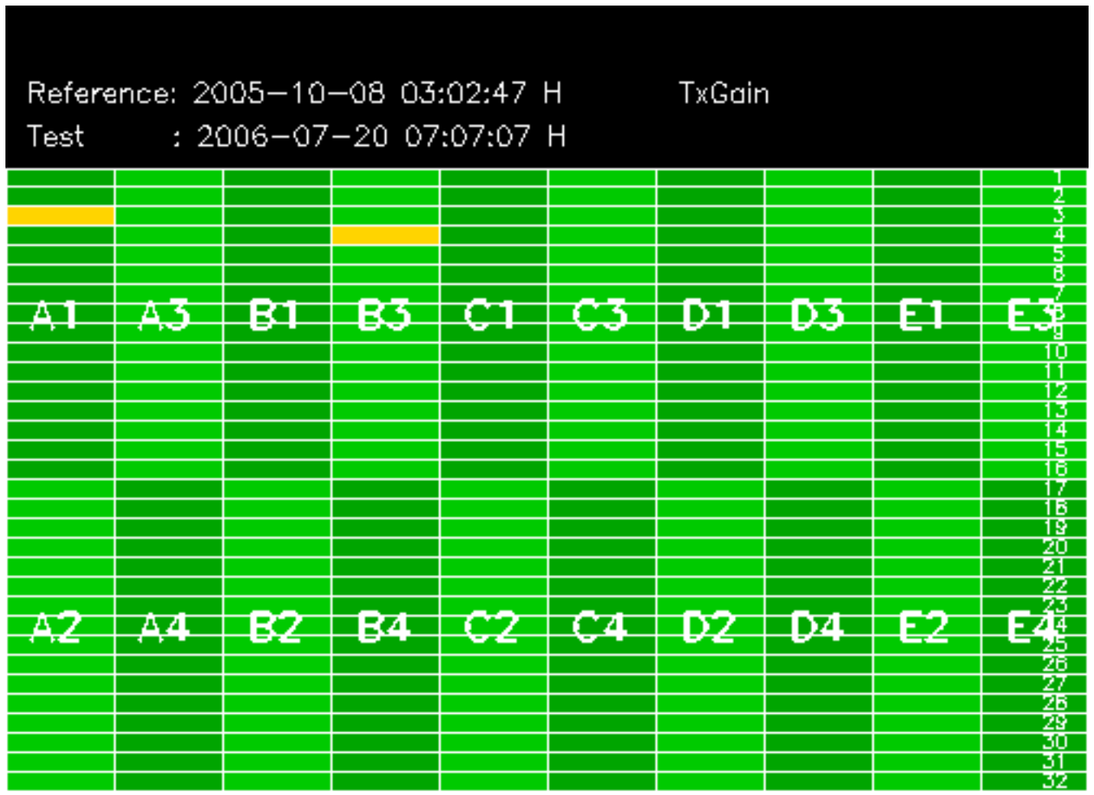
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-20 07:07:07 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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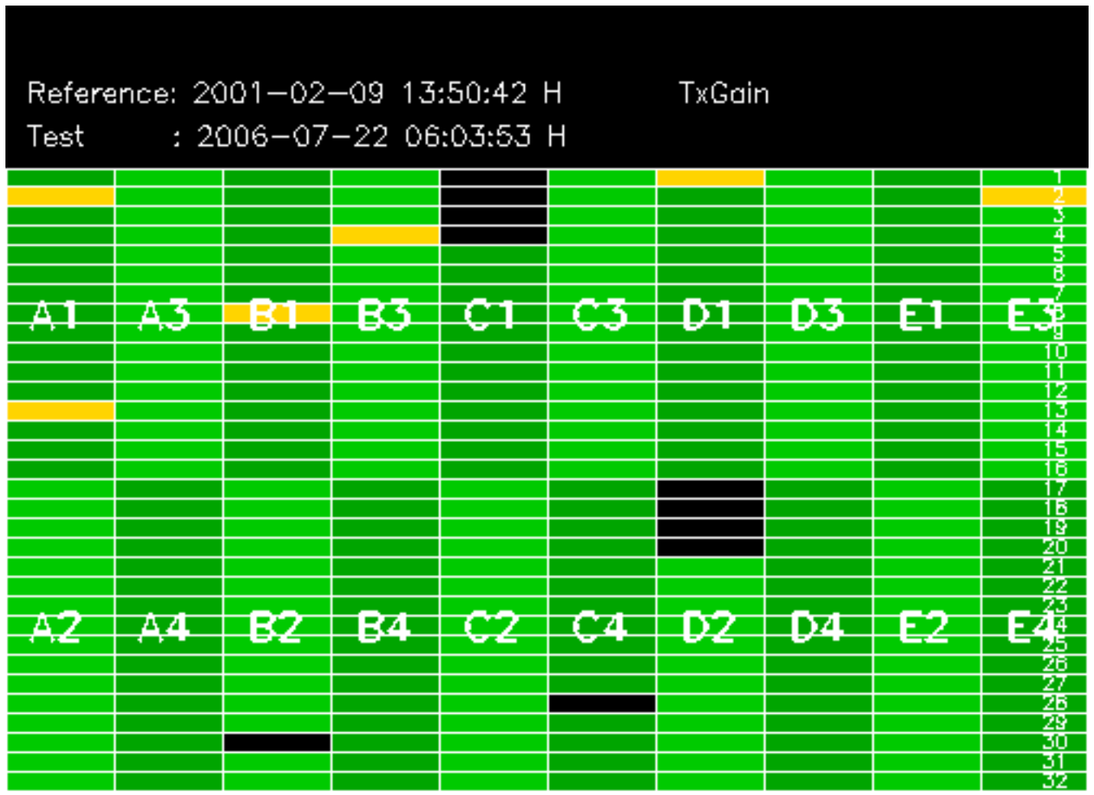
Reference: 2001-02-09 13:50:42 H
Test : 2006-07-22 06:03:53 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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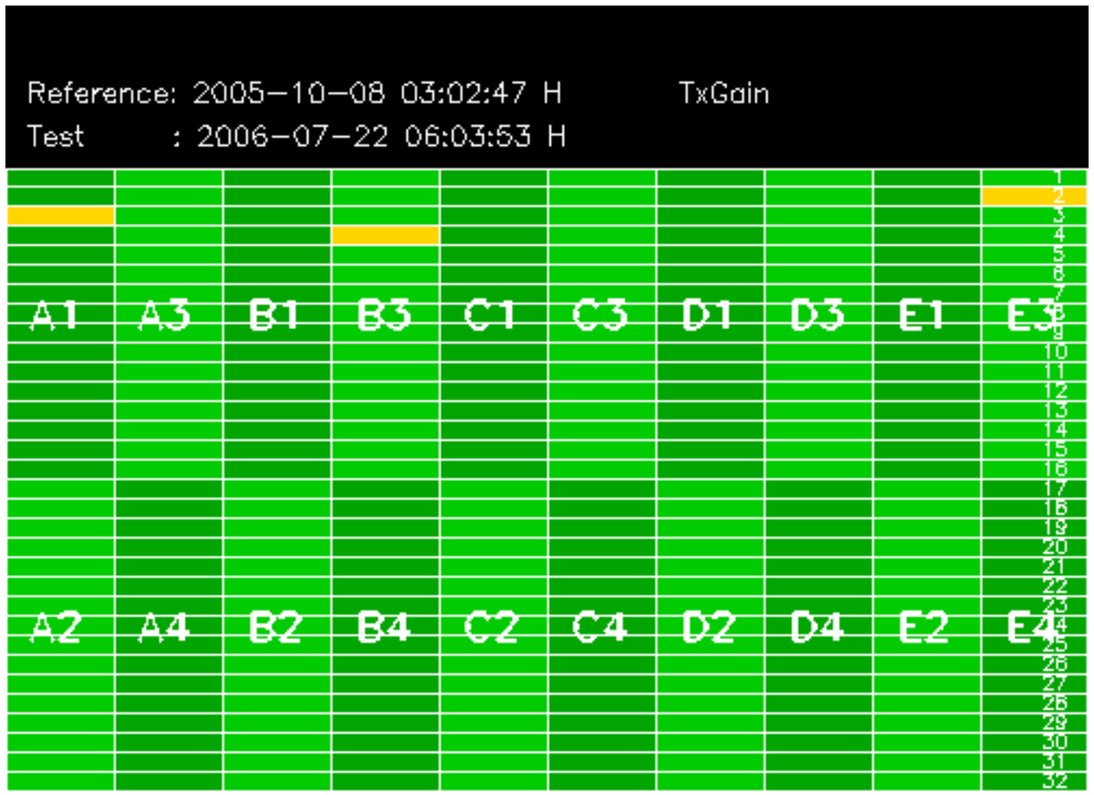
Reference: 2005-10-08 03:02:47 H
Test : 2006-07-22 06:03:53 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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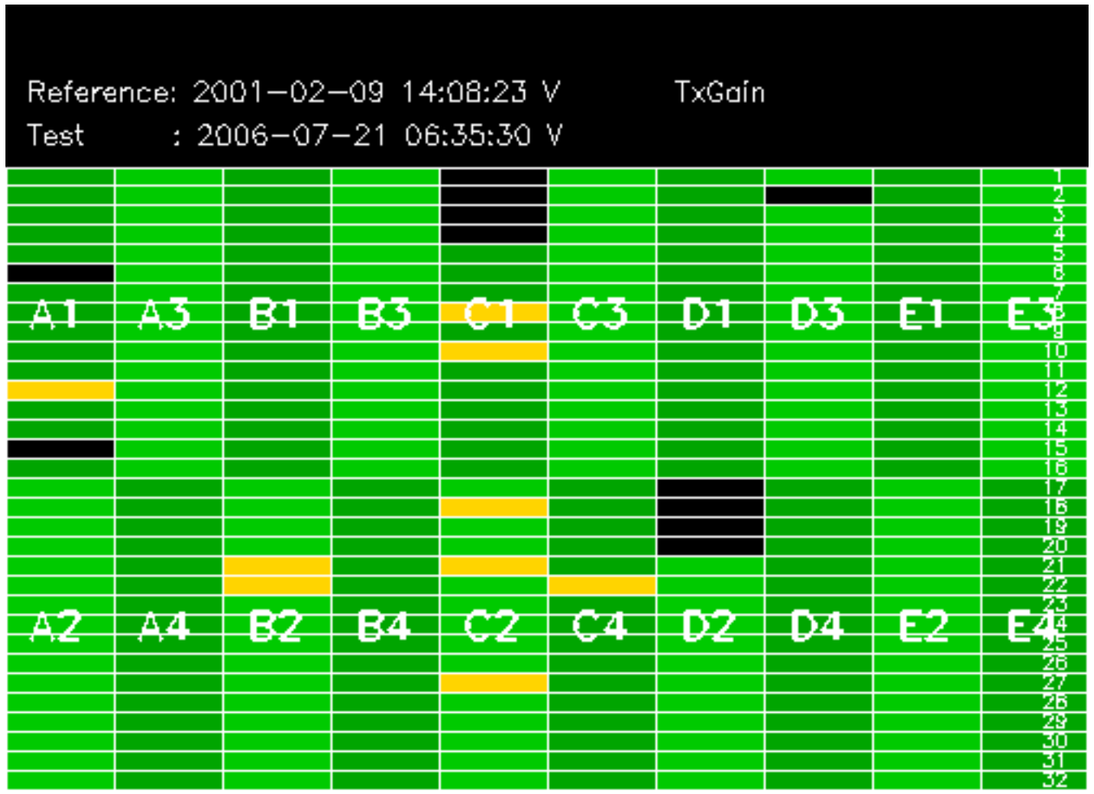
Reference: 2001-02-09 14:08:23 V
Test : 2006-07-21 06:35:30 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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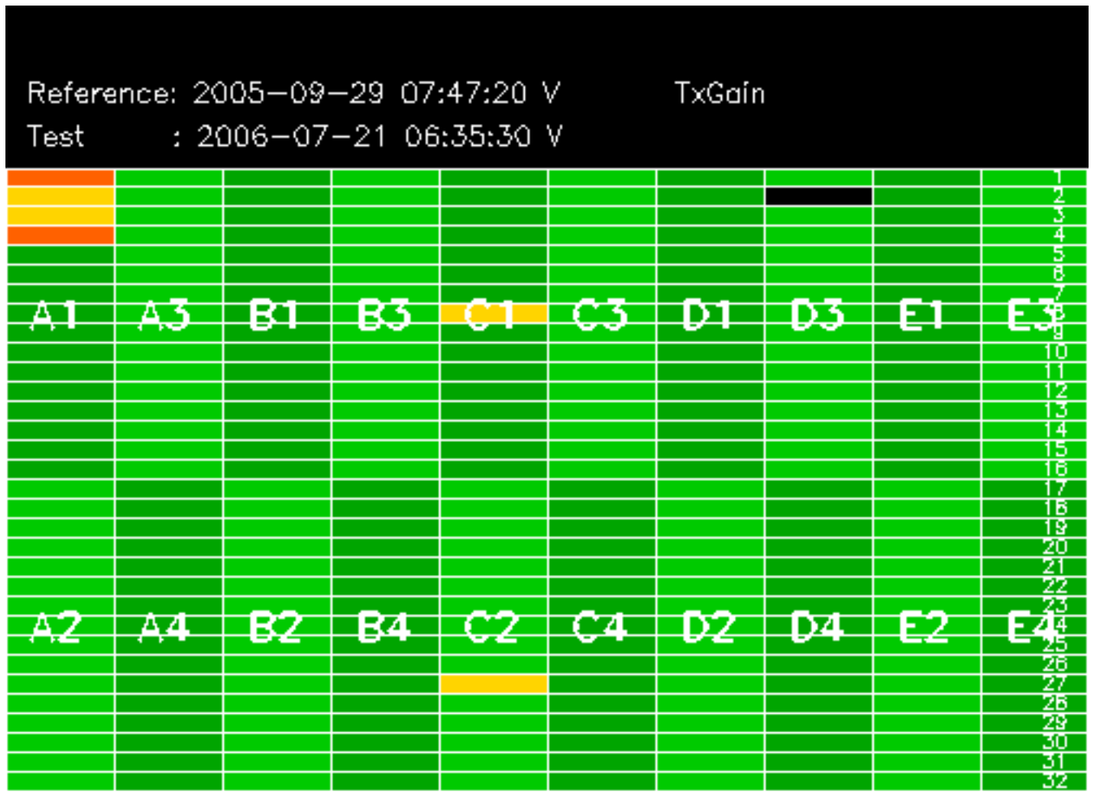
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-21 06:35:30 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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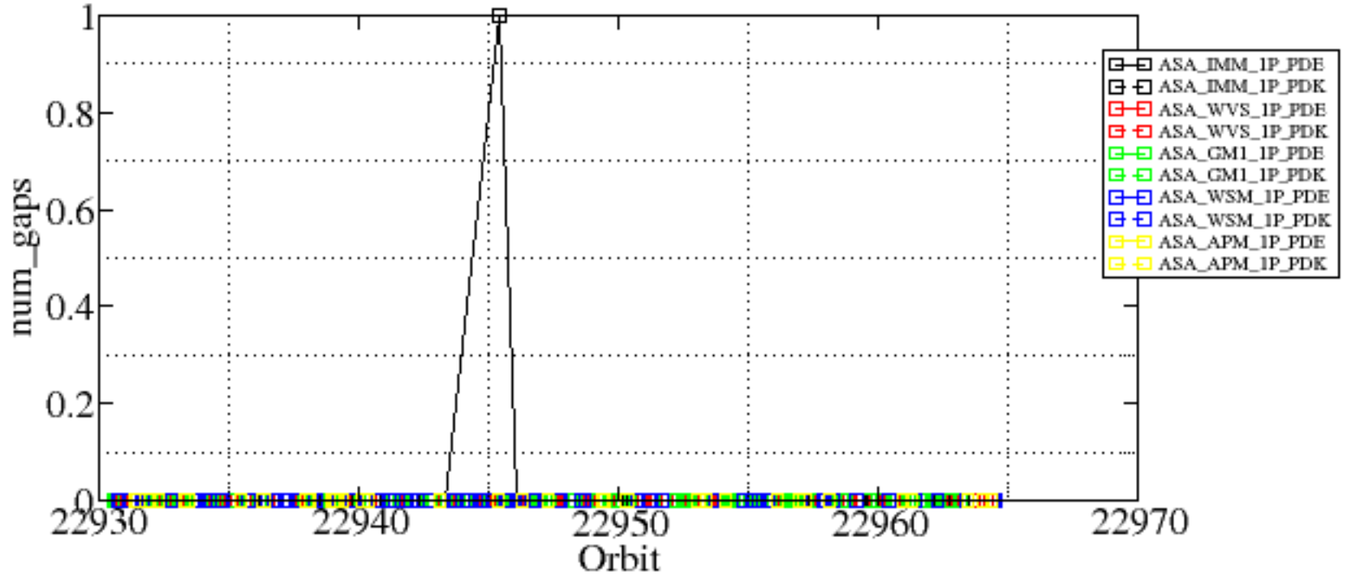
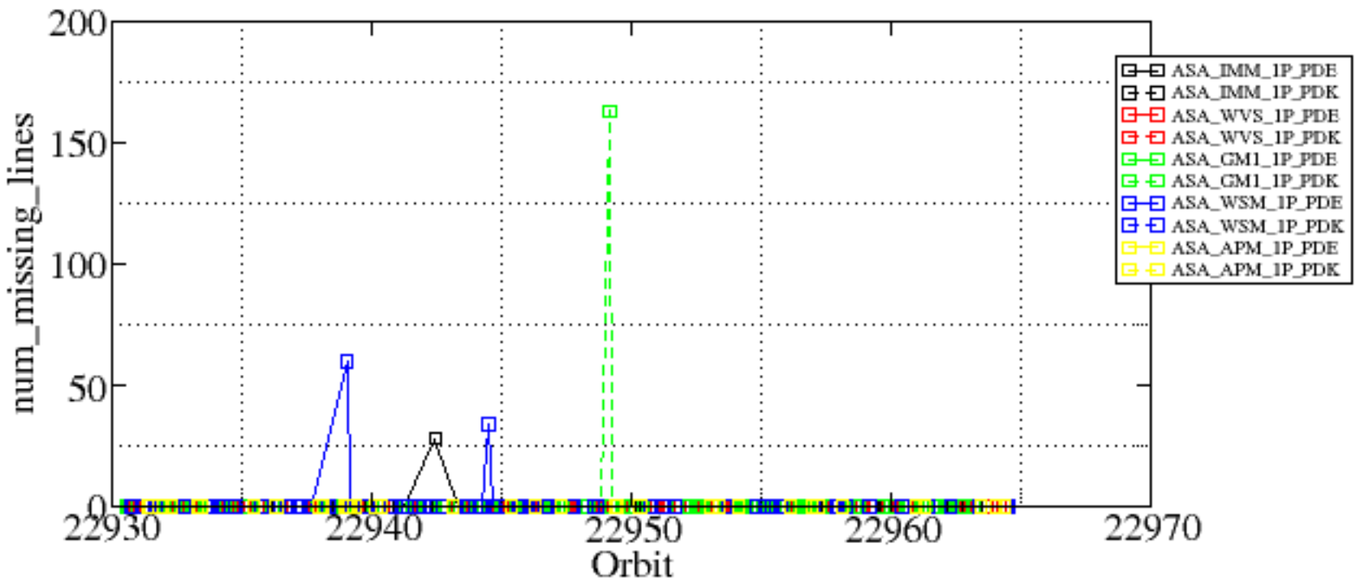
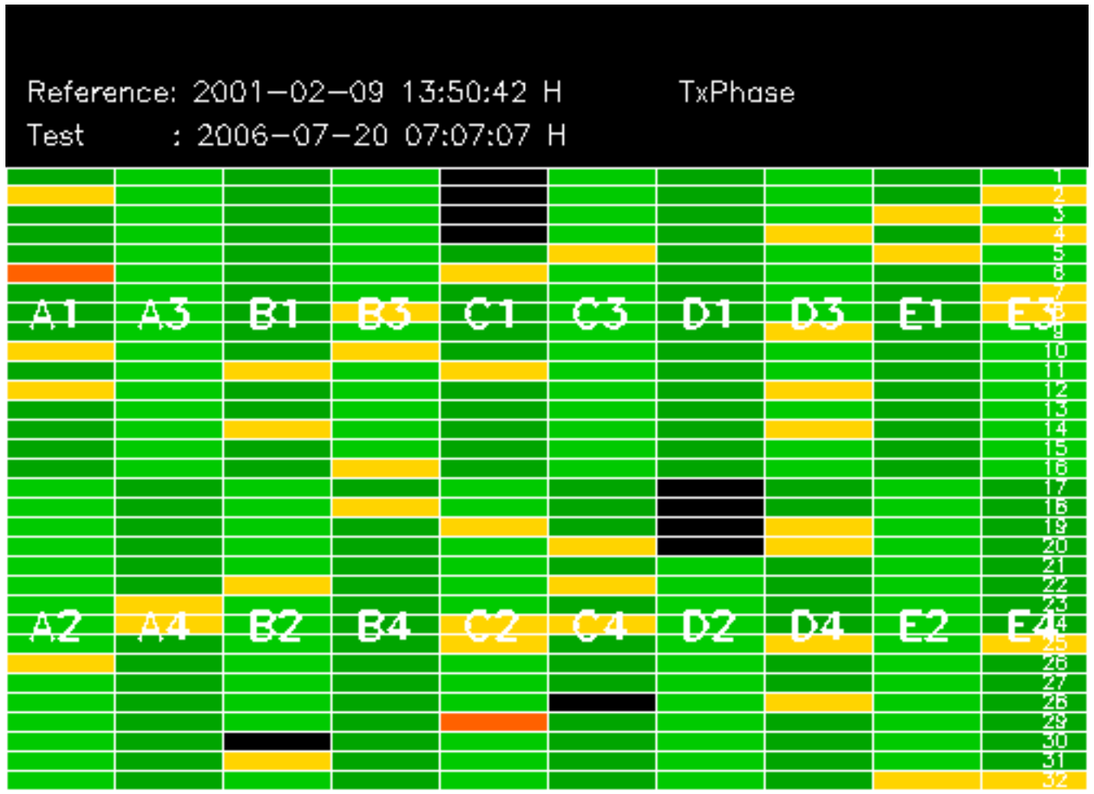
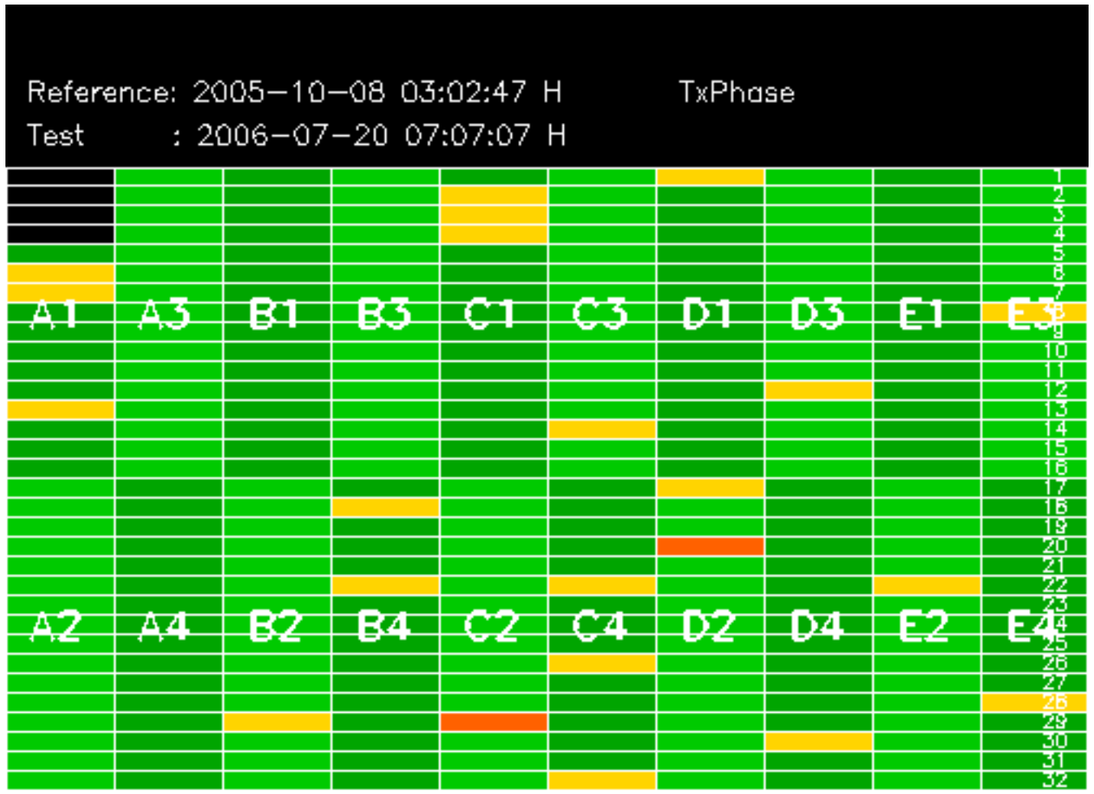
Summary of analysis for the last 3 days 2006072[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060720_200916_000000372049_00343_22942_1445.N1 </td> <td>0 </td> <td>28 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060721_010621_000000822049_00346_22945_1459.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20060721_072534_000007552049_00350_22949_1372.N1 </td> <td>0 </td> <td>163 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060720_142714_000000852049_00340_22939_3788.N1 </td> <td>0 </td> <td>60 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060720_233449_000003302049_00345_22944_3858.N1 </td> <td>0 </td> <td>34 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
22930
22940
22950
22960
22970
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
200
150
100
50
0
22930
22940
22950
22960
22970
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 : 2006-07-20 07:07:07 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 : 2006-07-20 07:07:07 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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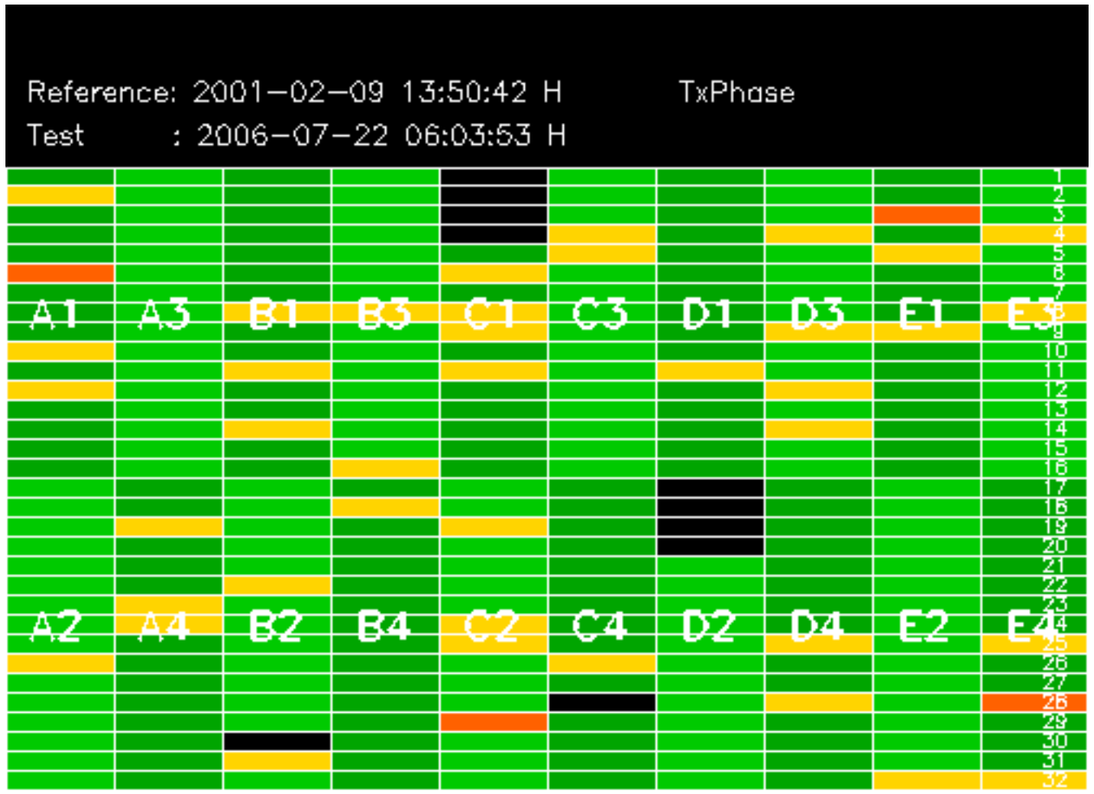
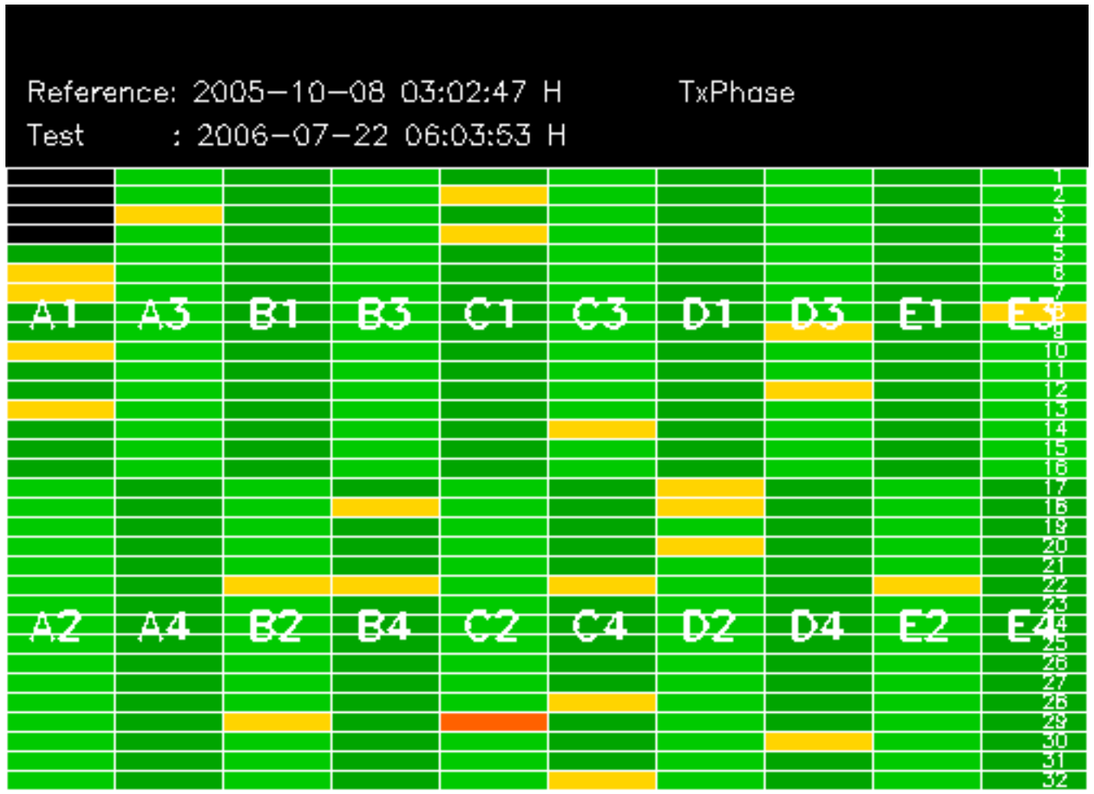

Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-07-22 06:03:53 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-07-22 06:03:53 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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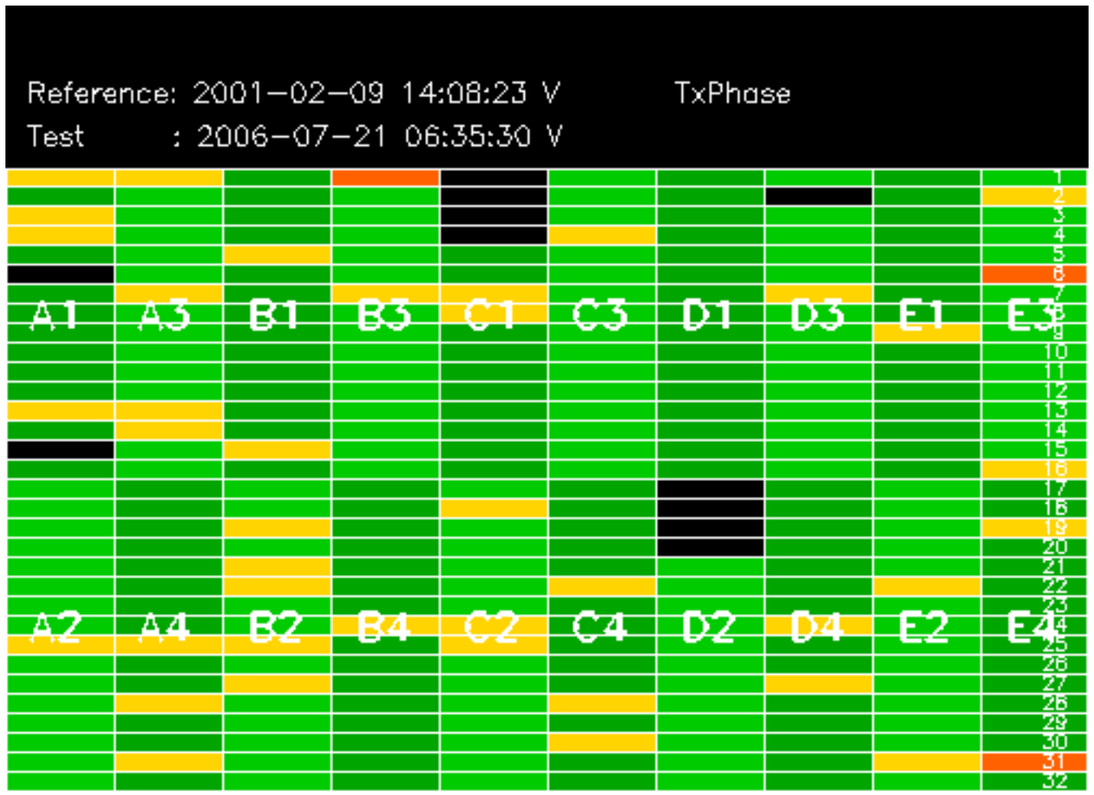
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-07-21 06:35:30 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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9
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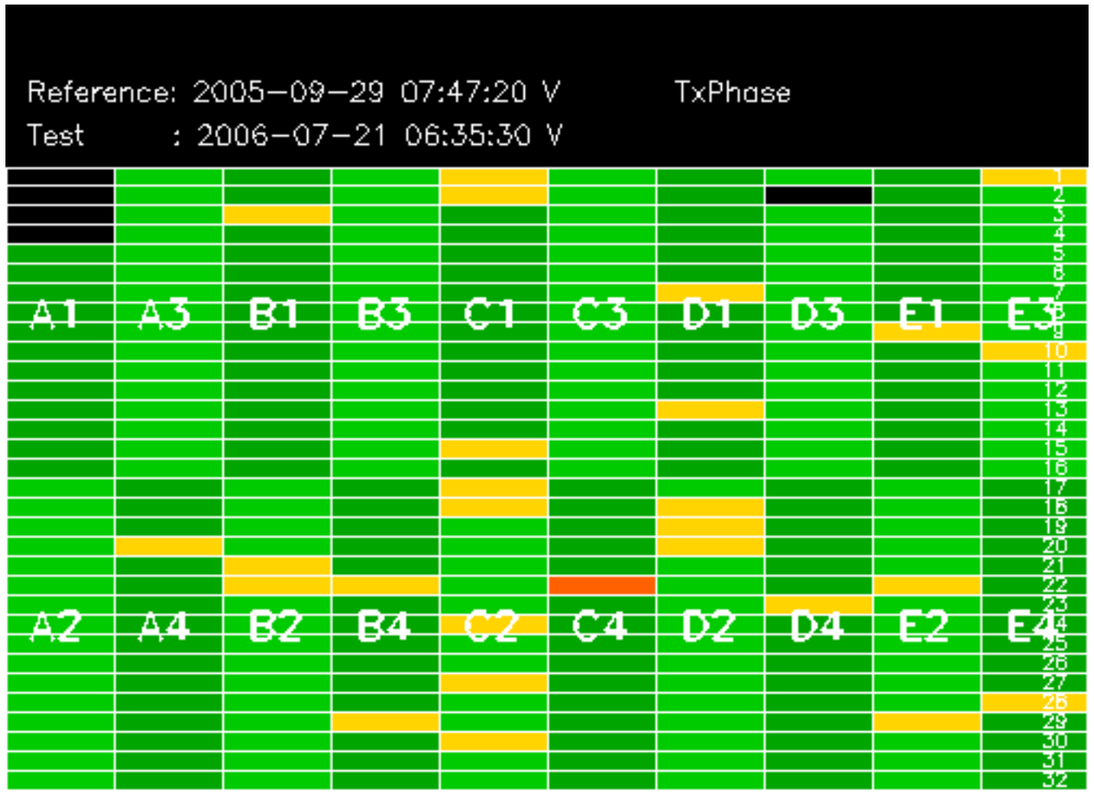
Reference: 2005-09-29 07:47:20 V
Test : 2006-07-21 06:35:30 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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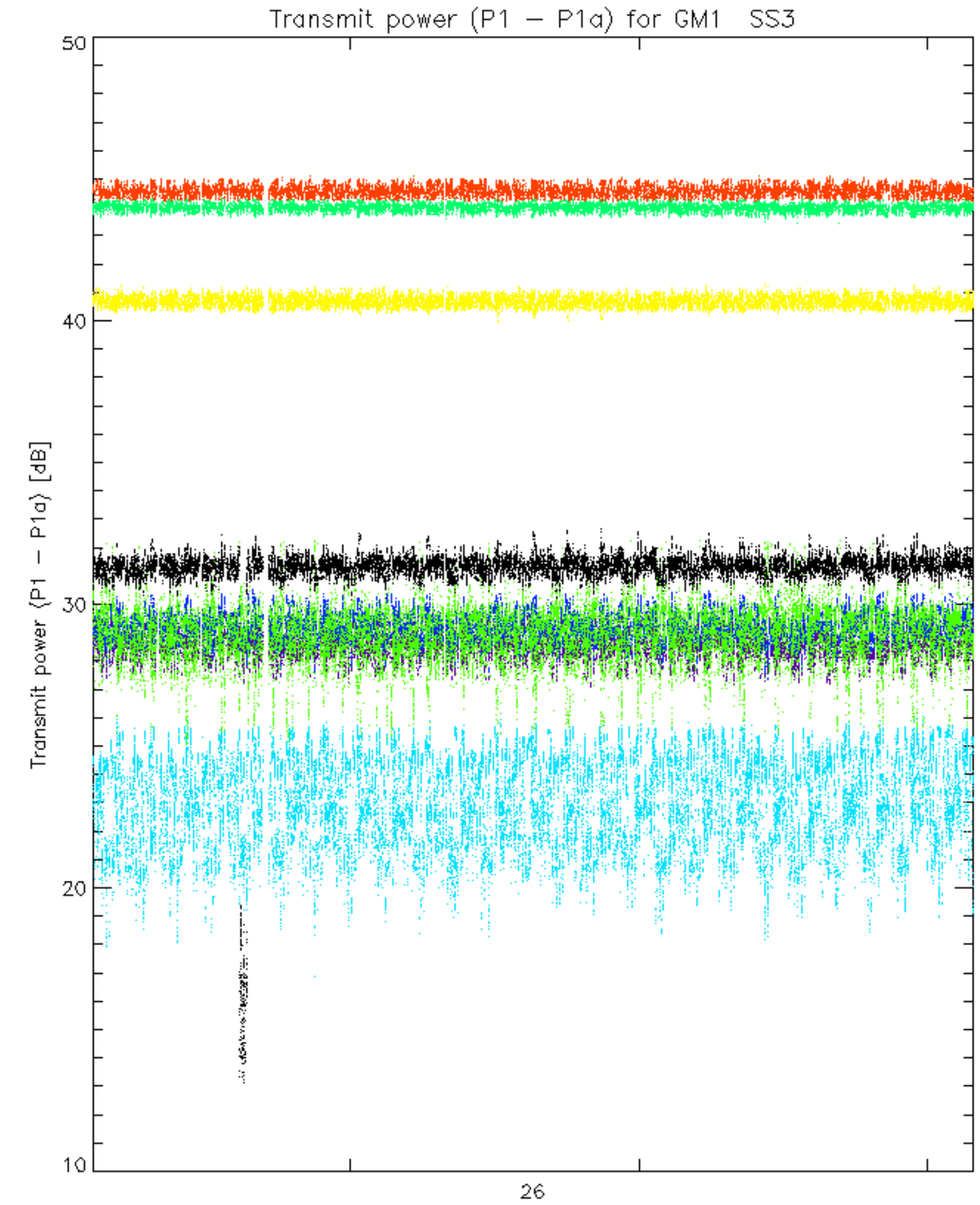
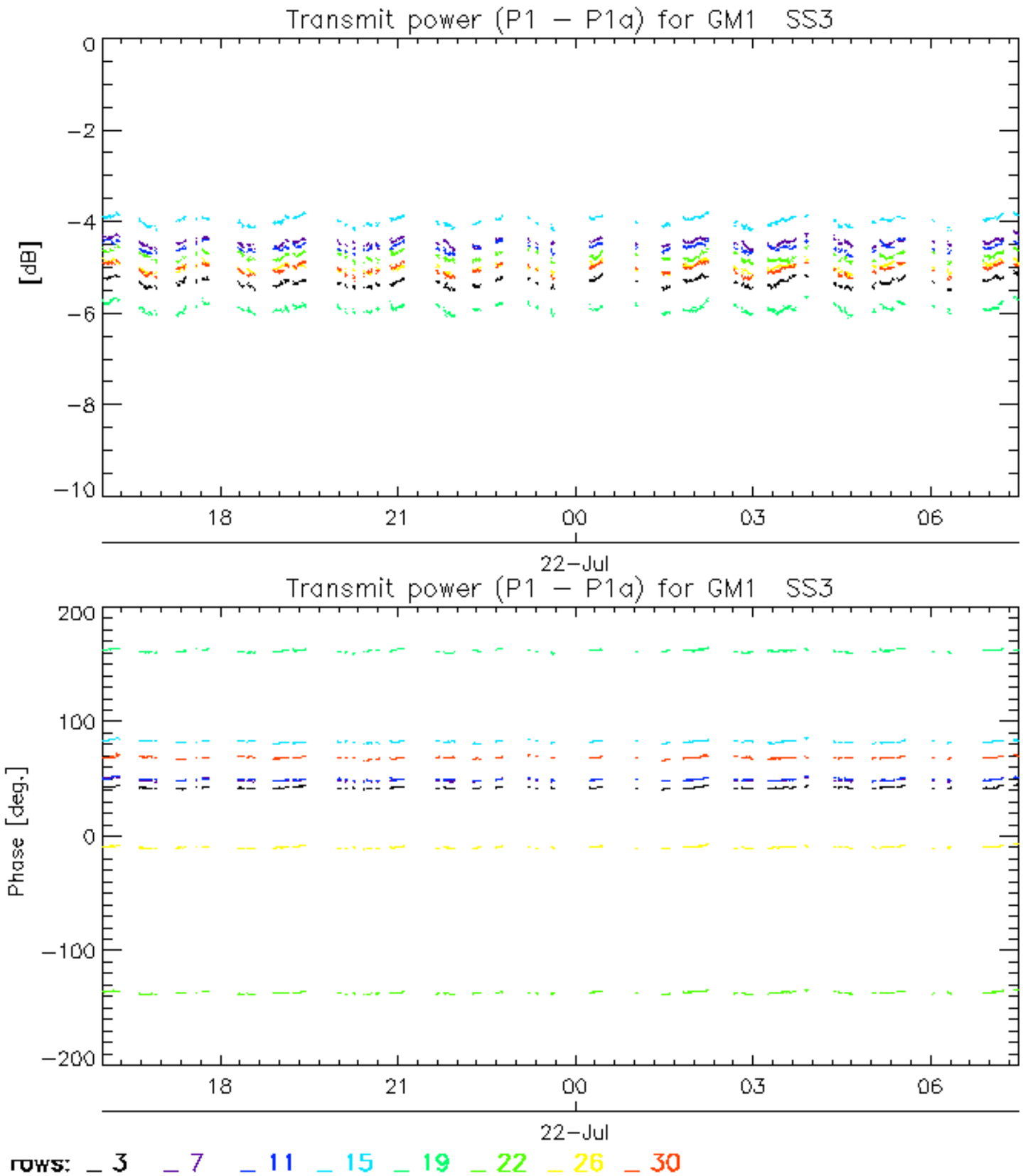
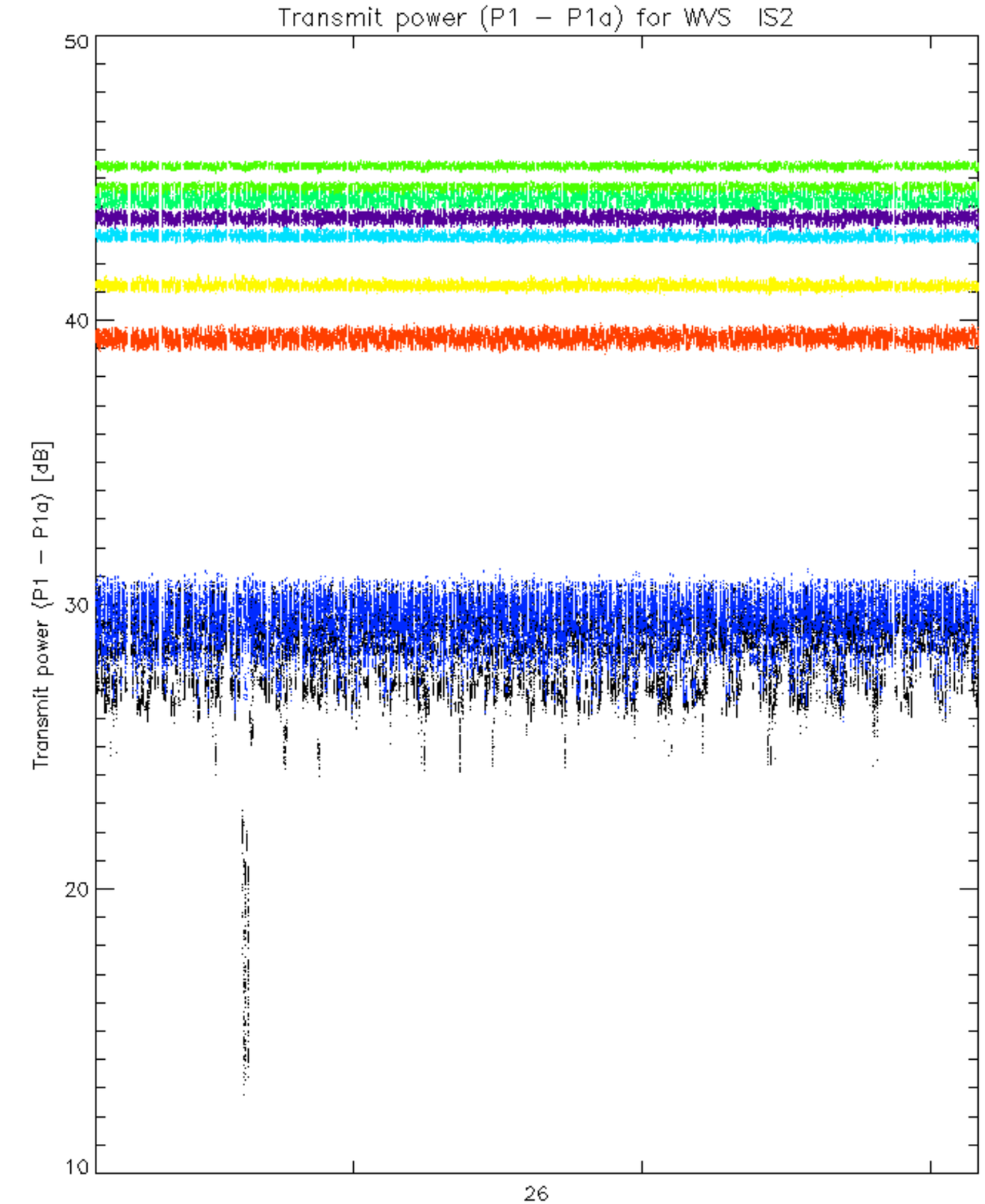
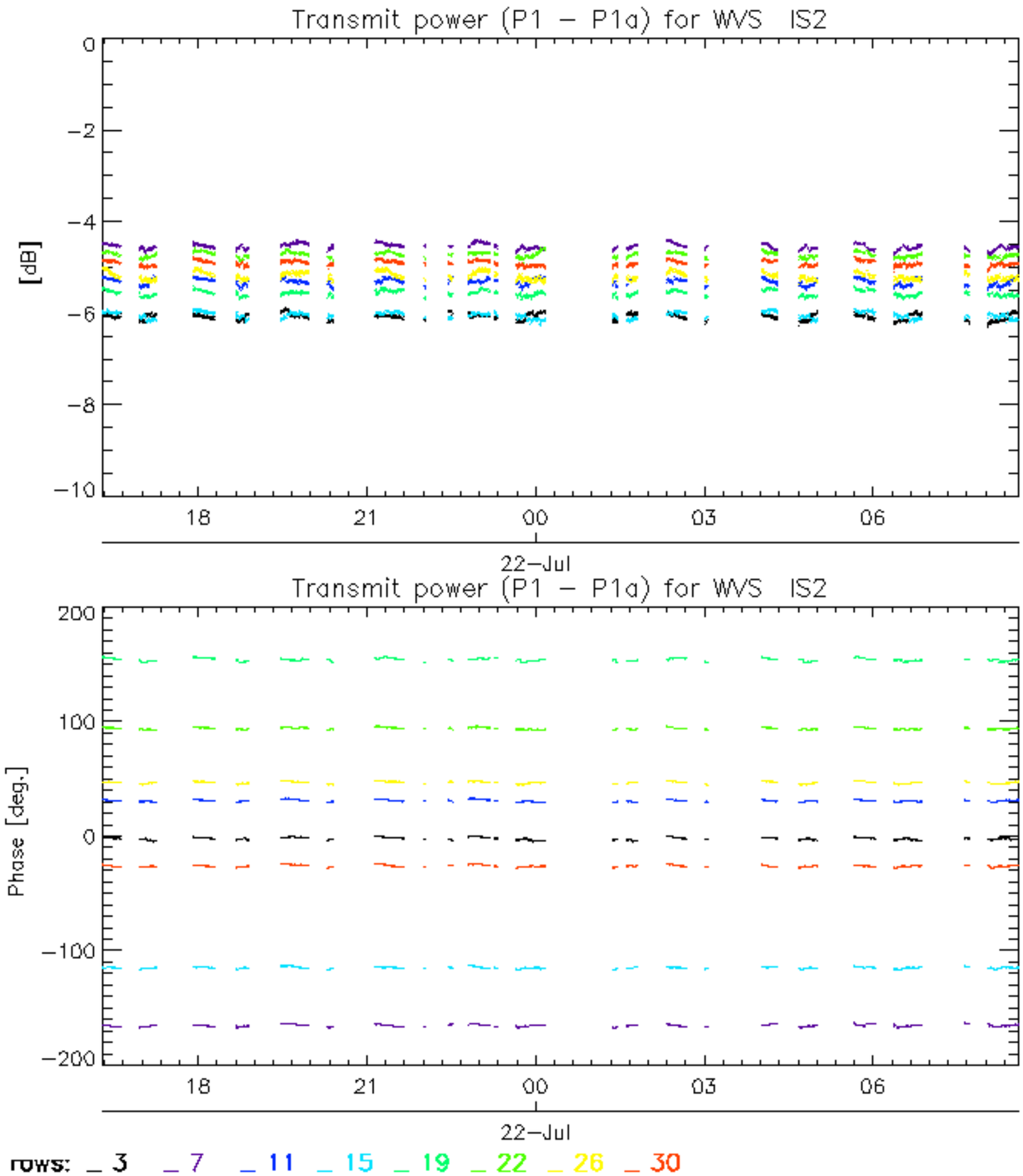

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
26
rows: 3 7 11 15 19 22 26 30


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


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

No unavailabilities during the reported period.