PRELIMINARY REPORT OF 060621

last update on Wed Jun 21 16:50:54 GMT 2006

1 - Introduction

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

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2006-06-20 00:00:00 to 2006-06-21 16:50:54

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	58	83	12	0	0
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	58	83	12	0	0
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	58	83	12	0	0
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	58	83	12	0	0

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	41	46	32	15	62
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	41	46	32	15	62
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	41	46	32	15	62
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	46	32	15	62

2.3 - Browse Visual Inspection

No anomalies observed on available browse products

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20060620 042859
H	20060621 071834

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	-3.934784	0.018359	0.031662
7	P1	-3.136368	0.015606	-0.032715
11	P1	-4.107174	0.019490	0.010070
15	P1	-6.149672	0.020240	-0.047282
19	P1	-3.350192	0.008672	-0.065705
22	P1	-4.517441	0.011599	-0.026109
26	P1	-3.969863	0.017062	0.017108
30	P1	-5.751506	0.008948	-0.022281
3	P1	-16.508635	0.249184	0.040080
7	P1	-17.226524	0.148778	-0.115476
11	P1	-16.959452	0.308466	-0.083143
15	P1	-13.207689	0.216500	0.068001
19	P1	-14.335643	0.051818	-0.155890
22	P1	-16.167469	0.368414	0.037837
26	P1	-15.214642	0.229461	0.117458
30	P1	-17.132980	0.406234	-0.144158

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.139206	0.080765	0.126804
7	P2	-22.025335	0.096929	0.101297
11	P2	-15.867620	0.110728	0.118156
15	P2	-7.159138	0.093614	-0.004304
19	P2	-9.172218	0.085306	-0.008915
22	P2	-18.162830	0.082663	-0.063744
26	P2	-16.402739	0.087237	-0.064167
30	P2	-19.559248	0.086627	0.005473

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.185692	0.004019	-0.014669
7	P3	-8.185692	0.004019	-0.014669
11	P3	-8.185692	0.004019	-0.014669
15	P3	-8.185692	0.004019	-0.014669
19	P3	-8.185692	0.004019	-0.014669
22	P3	-8.185692	0.004019	-0.014669
26	P3	-8.185692	0.004019	-0.014669
30	P3	-8.185692	0.004019	-0.014669

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	-3.803150	0.050894	0.012559
7	P1	-2.589167	0.030362	0.047069
11	P1	-2.862071	0.023064	0.022517
15	P1	-3.514147	0.051196	-0.034095
19	P1	-3.409753	0.014379	-0.029721
22	P1	-5.081807	0.019688	-0.003494
26	P1	-5.854591	0.015635	-0.036201
30	P1	-5.191488	0.026655	-0.022572
3	P1	-11.620767	0.053309	-0.004373
7	P1	-9.969584	0.048825	-0.058473
11	P1	-10.218478	0.086547	-0.071858
15	P1	-10.664014	0.159050	-0.115911
19	P1	-15.537534	0.077018	-0.044351
22	P1	-20.937885	1.165171	-0.129750

26	P1	-16.470108	0.329637	0.070356
30	P1	-17.904320	0.370618	0.146221

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.825851	0.073263	0.174578
7	P2	-22.489103	0.130872	0.073840
11	P2	-11.148080	0.049396	0.093810
15	P2	-4.919902	0.049291	-0.029005
19	P2	-6.882868	0.053840	-0.006205
22	P2	-8.208741	0.043297	-0.018958
26	P2	-24.141891	0.069426	-0.087521
30	P2	-22.062420	0.056775	0.021996

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.020029	0.004938	-0.016532
7	P3	-8.020121	0.004915	-0.016560
11	P3	-8.020152	0.004914	-0.016483
15	P3	-8.020090	0.004918	-0.016451
19	P3	-8.020104	0.004921	-0.016469
22	P3	-8.020300	0.004909	-0.016580
26	P3	-8.020243	0.004916	-0.016434
30	P3	-8.020185	0.004911	-0.016505

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	0.000552728
	stdev	1.76086e-07
MEAN Q	mean	0.000524199
	stdev	2.21412e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136341
	stdev	0.00115223
STDEV Q	mean	0.136692
	stdev	0.00116946

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006062[901]
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_1PNPDE20060620_115627_000000512048_00410_22508_8157.N1	1	0
ASA_WSM_1PNPDE20060621_015620_000000972048_00418_22516_4911.N1	0	2
ASA_WSM_1PNPDE20060621_043526_000001832048_00420_22518_4929.N1	0	32

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

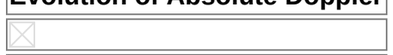
Evolution of unbiased Doppler error (Real - Expected)

Acsending

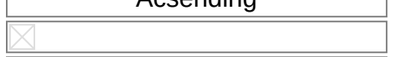
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



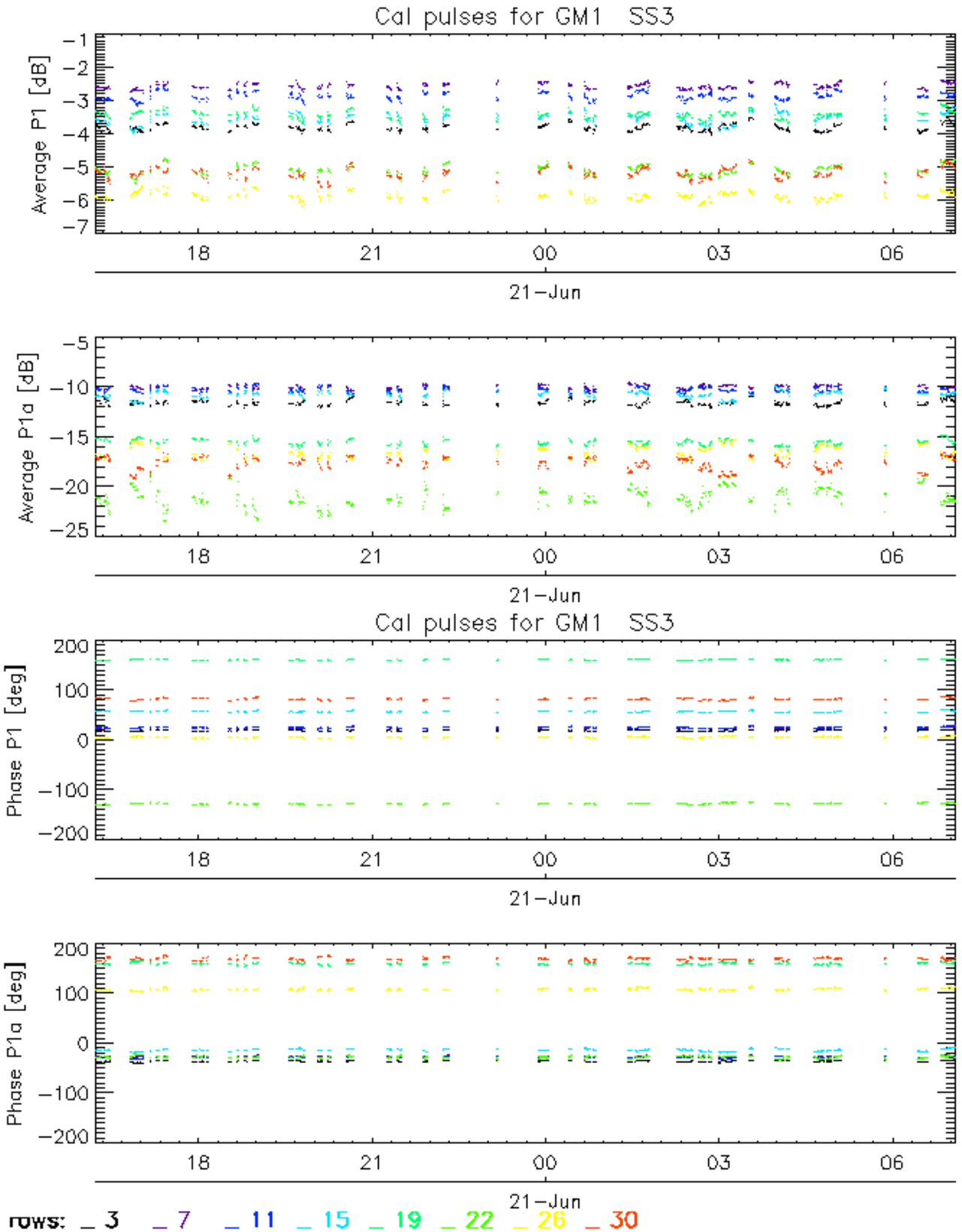
Acsending

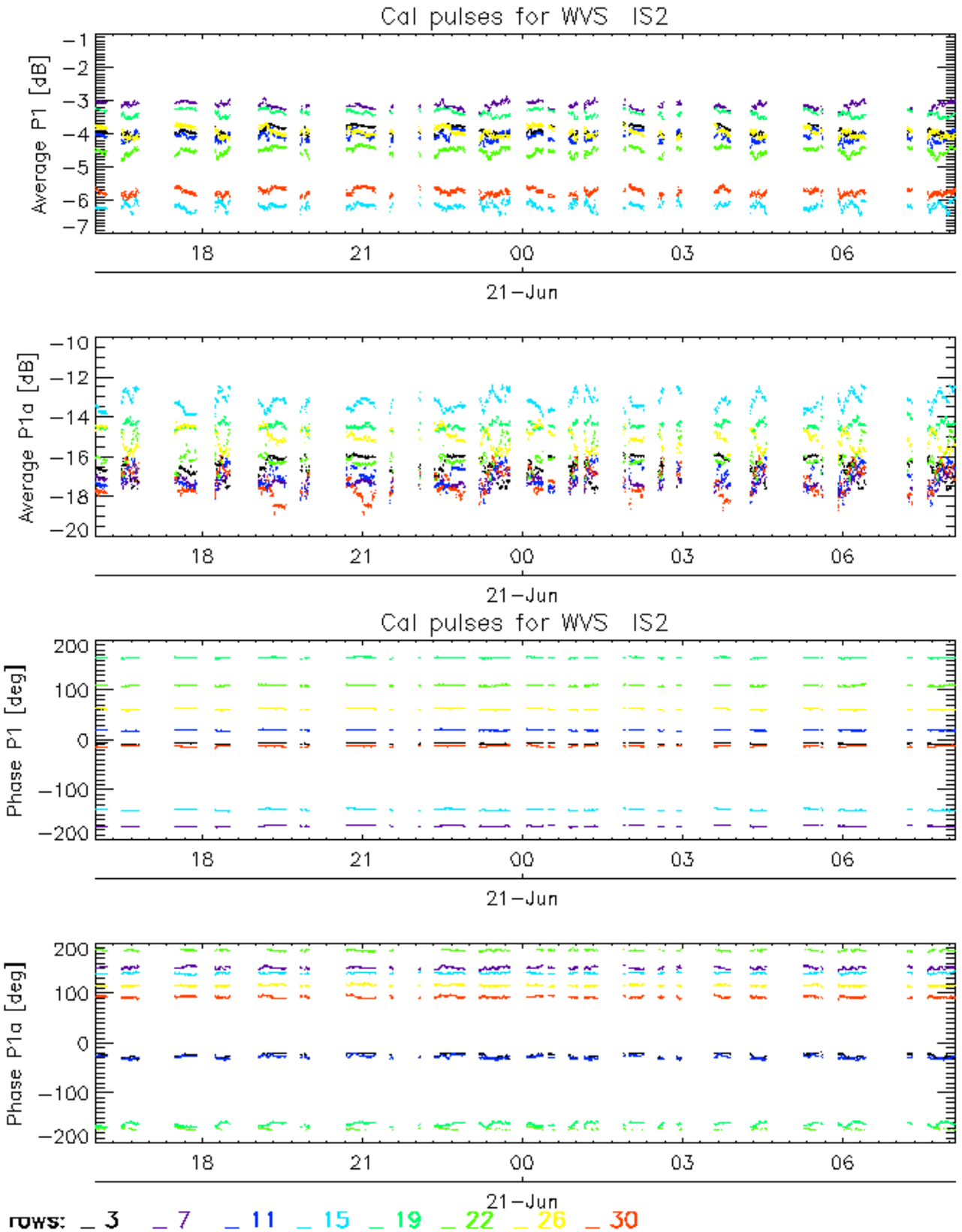


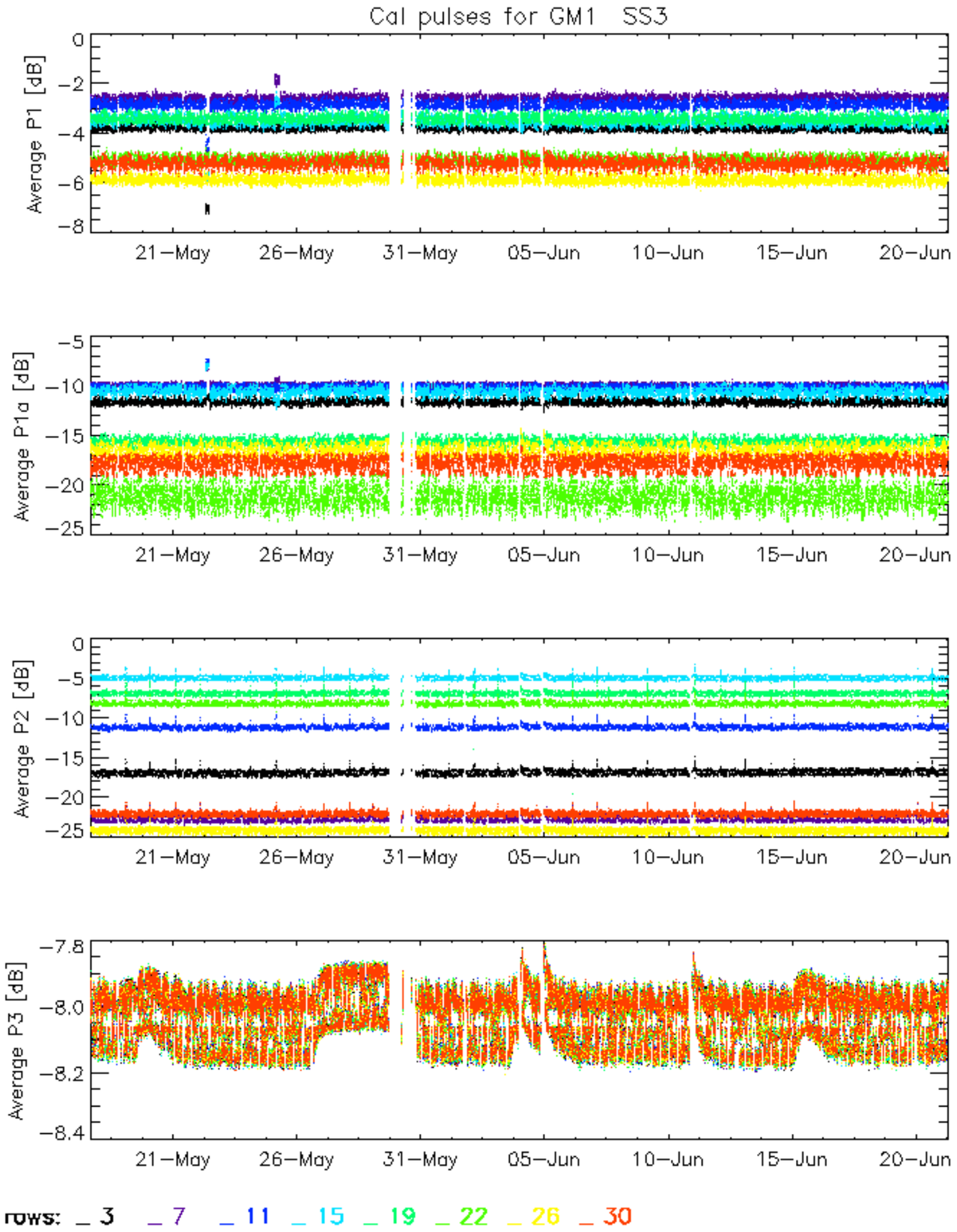
Descending

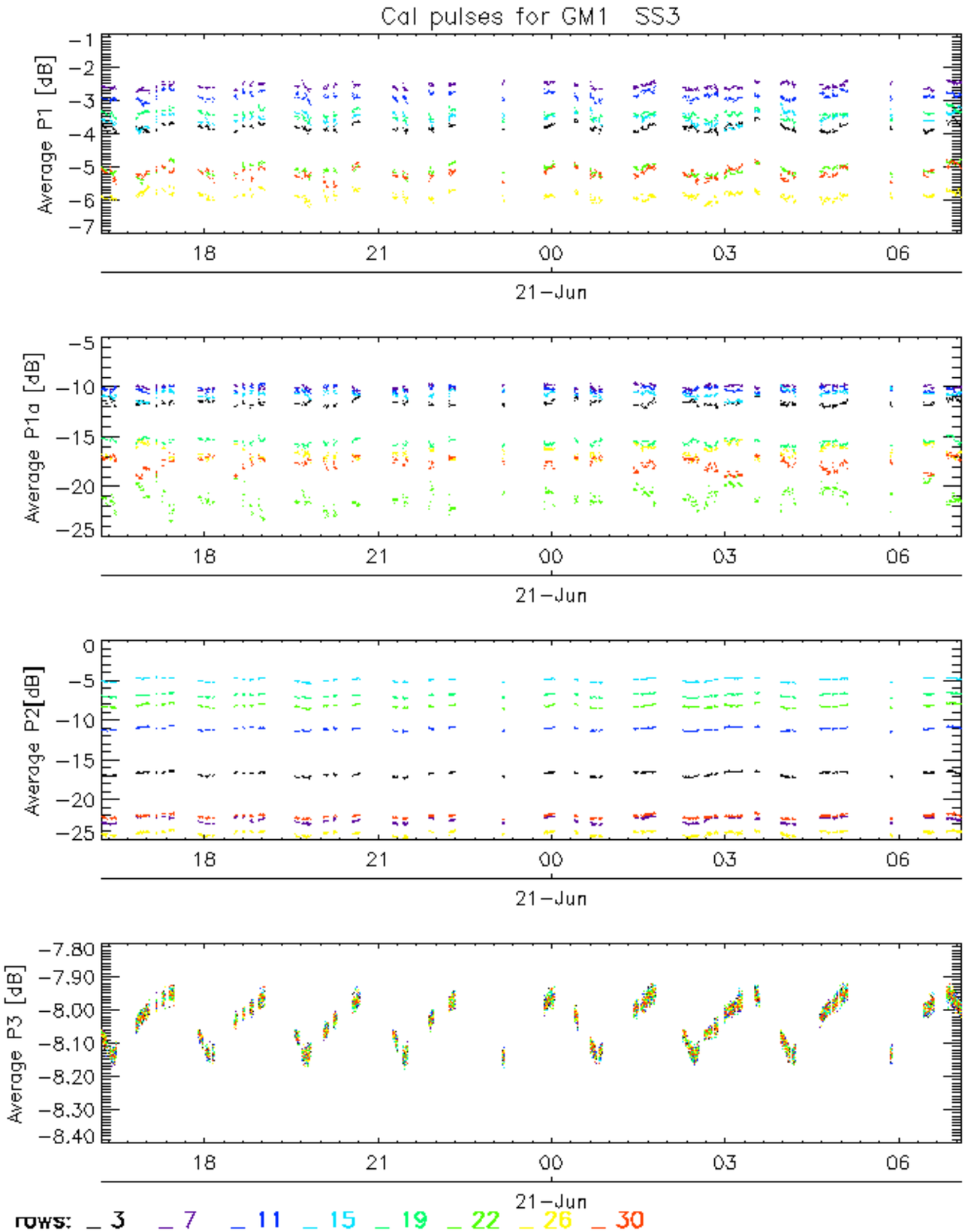
7.6 - Doppler evolution versus ANX for GM1

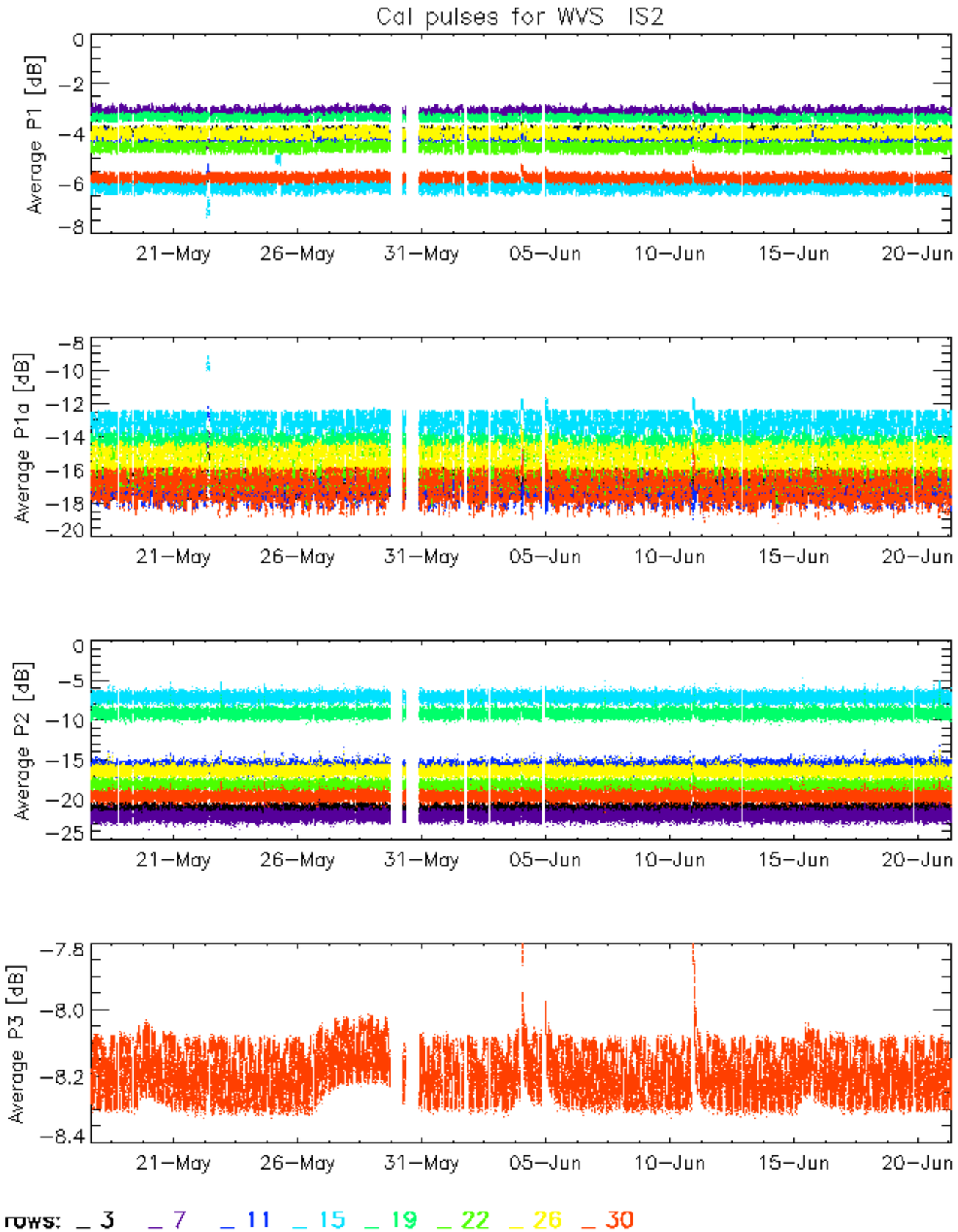
Evolution Doppler error versus ANX

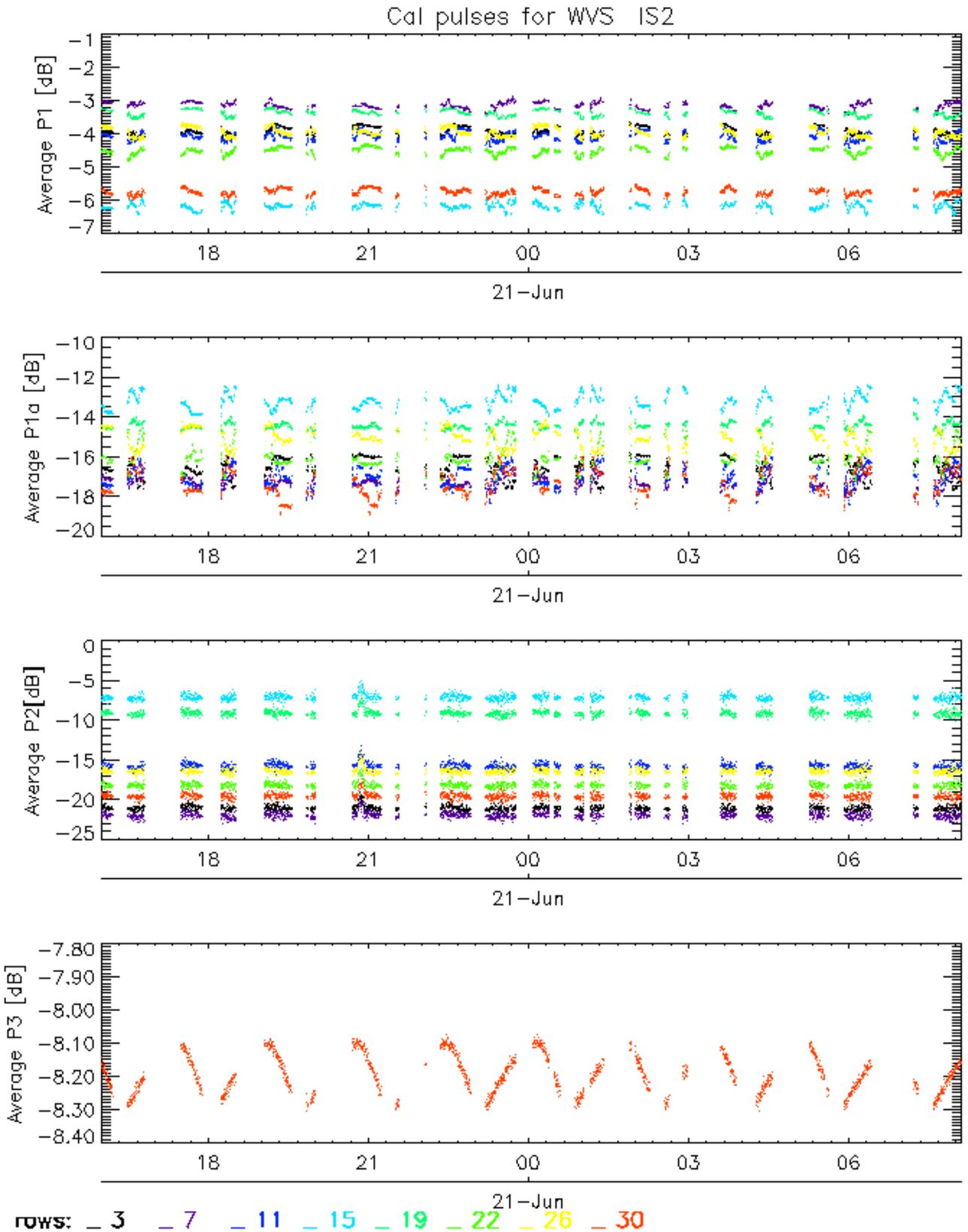

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
21−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
21−Jun
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Jun
rows: _ 3 _ 7 _ 11 _ 15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


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−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
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
20−Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

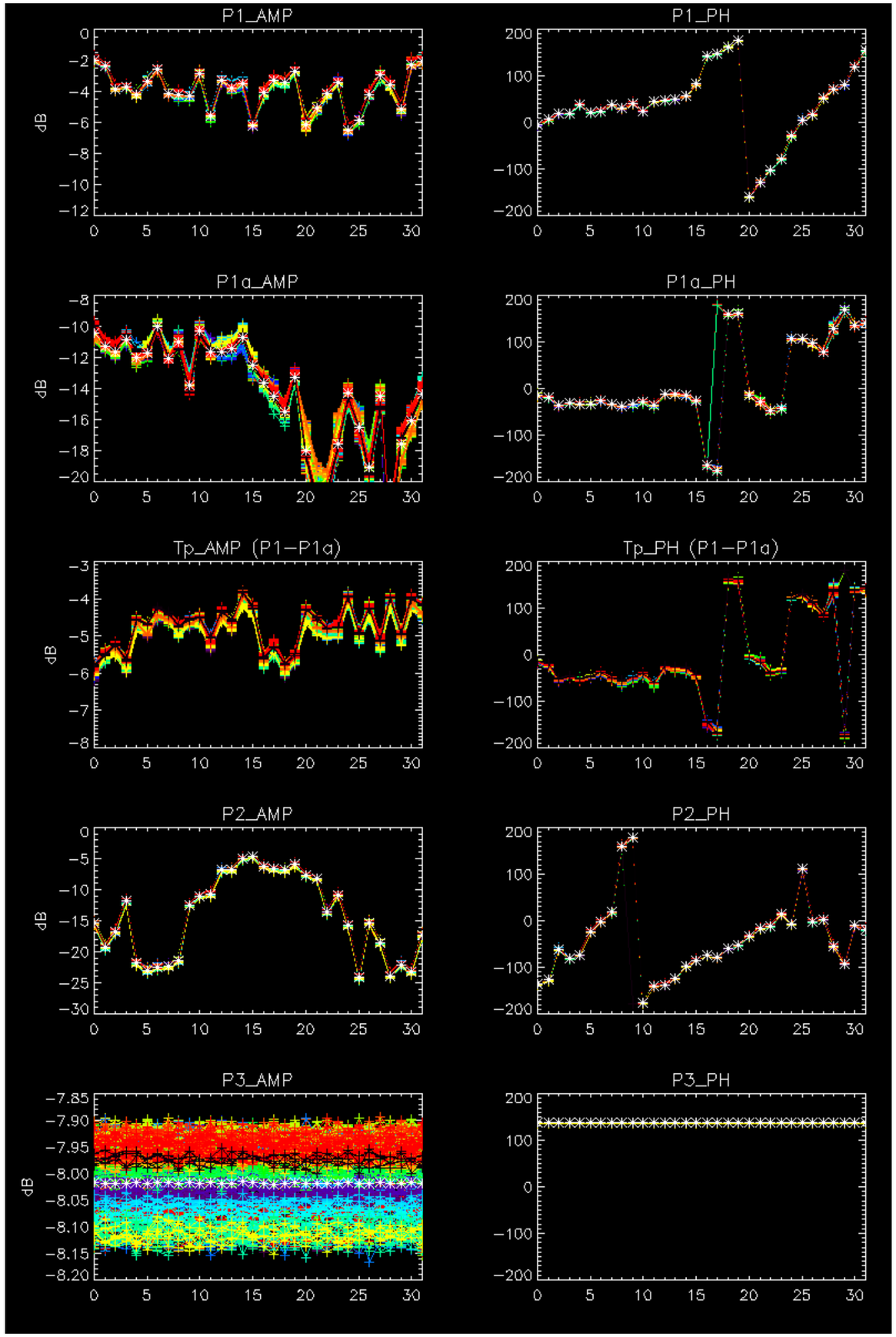

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
21−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
21−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
21−Jun
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
21−Jun
rows: _ 3 _ 7 _ 11 _ 15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

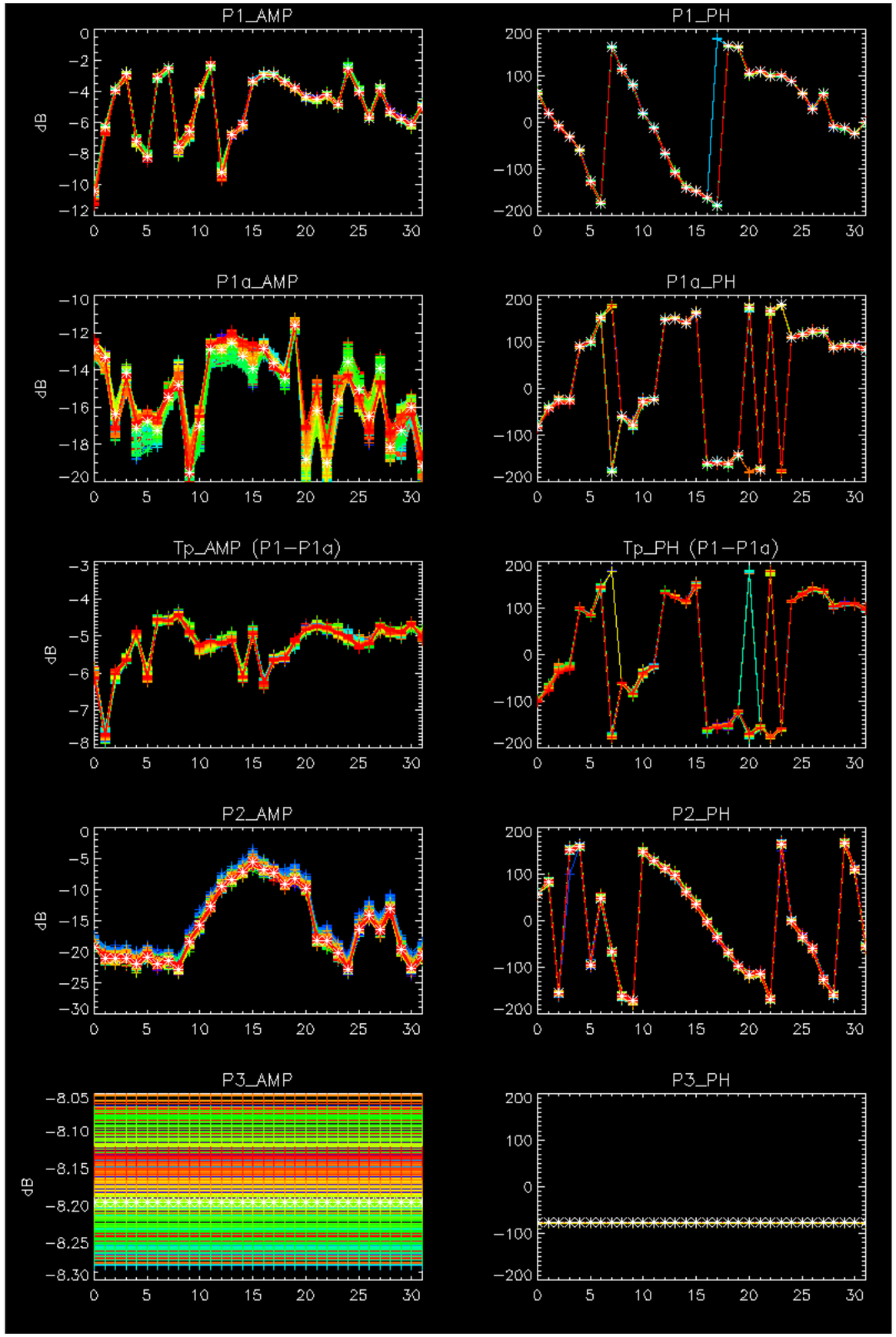

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
20−Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

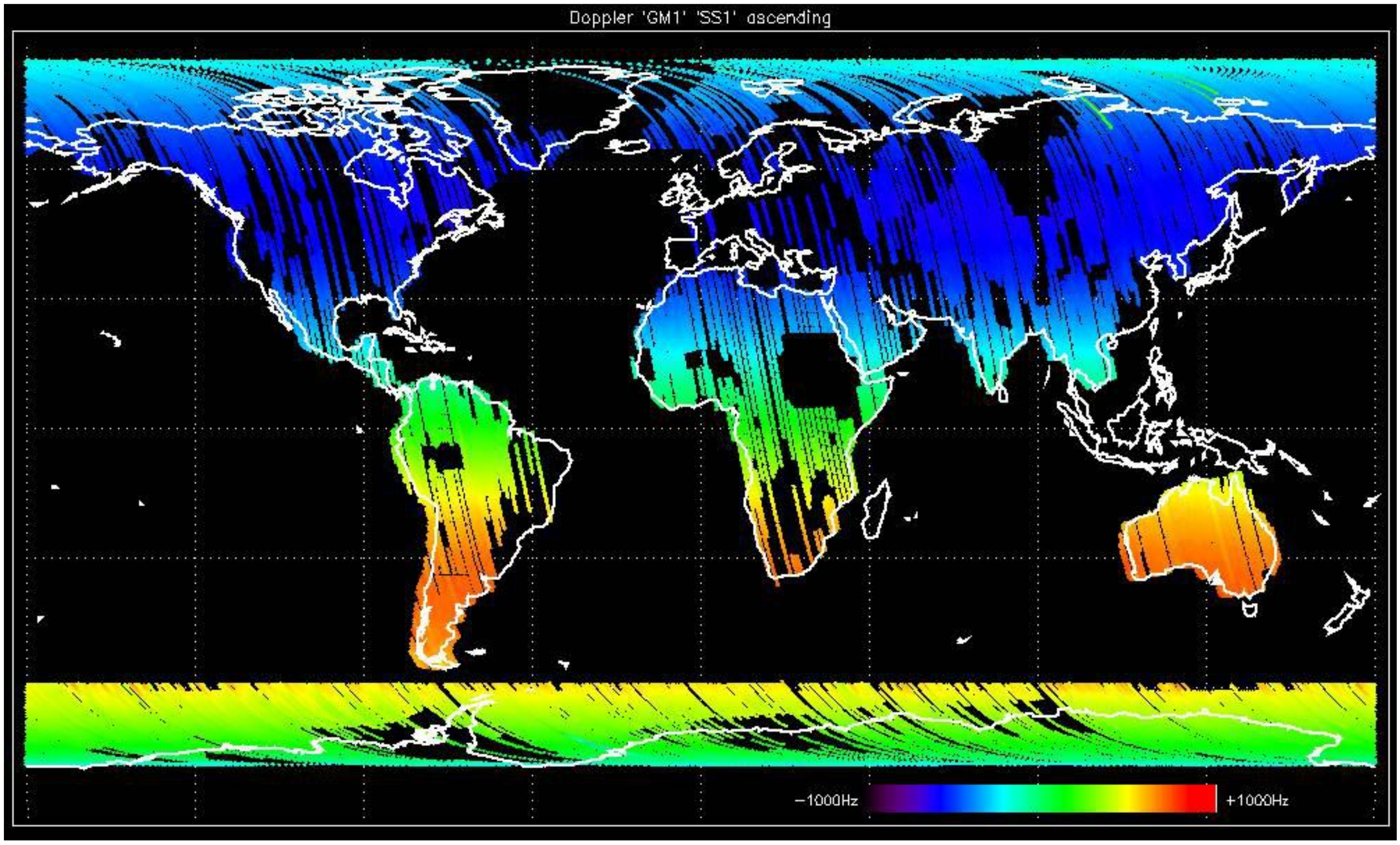
No anomalies observed.

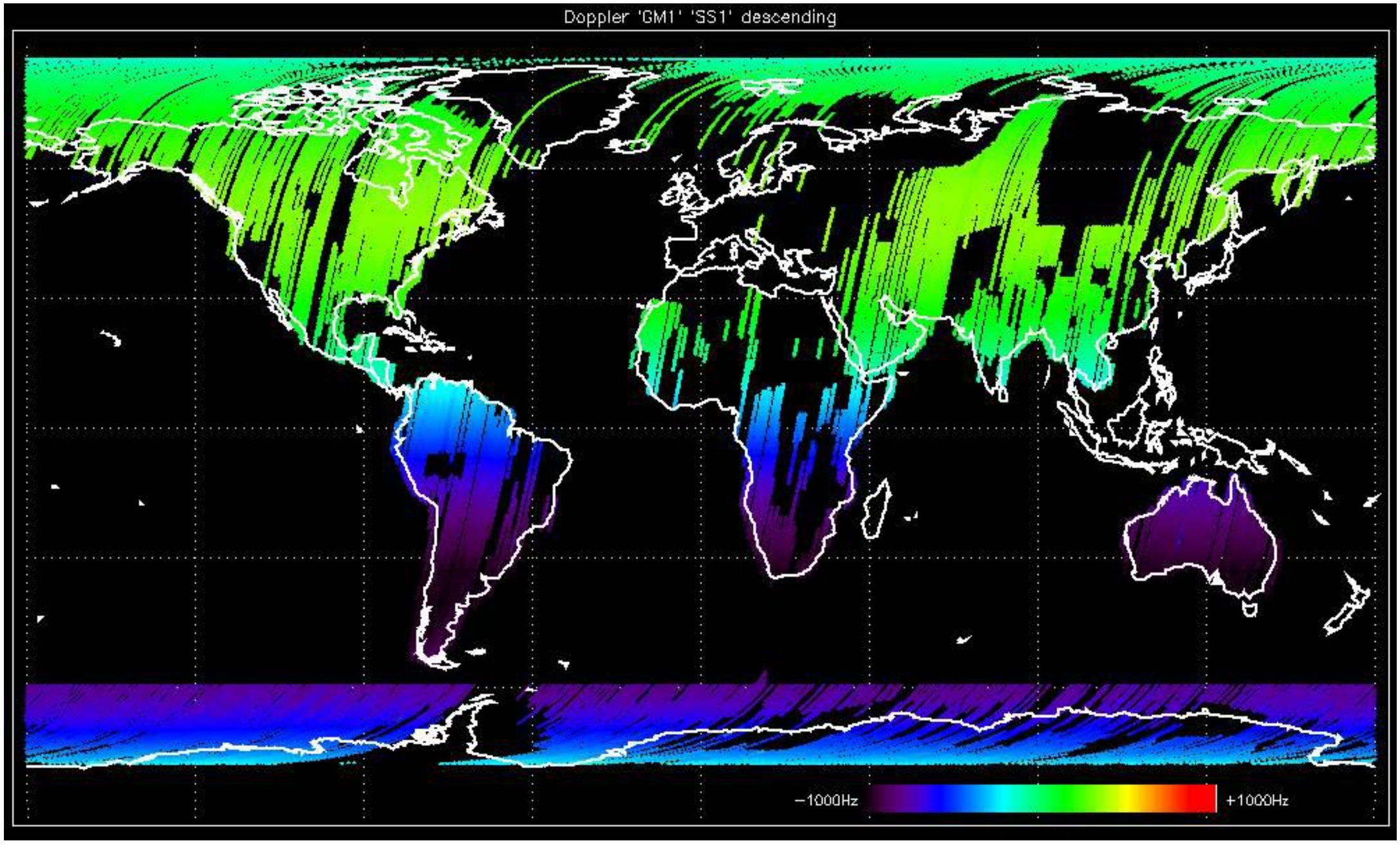

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

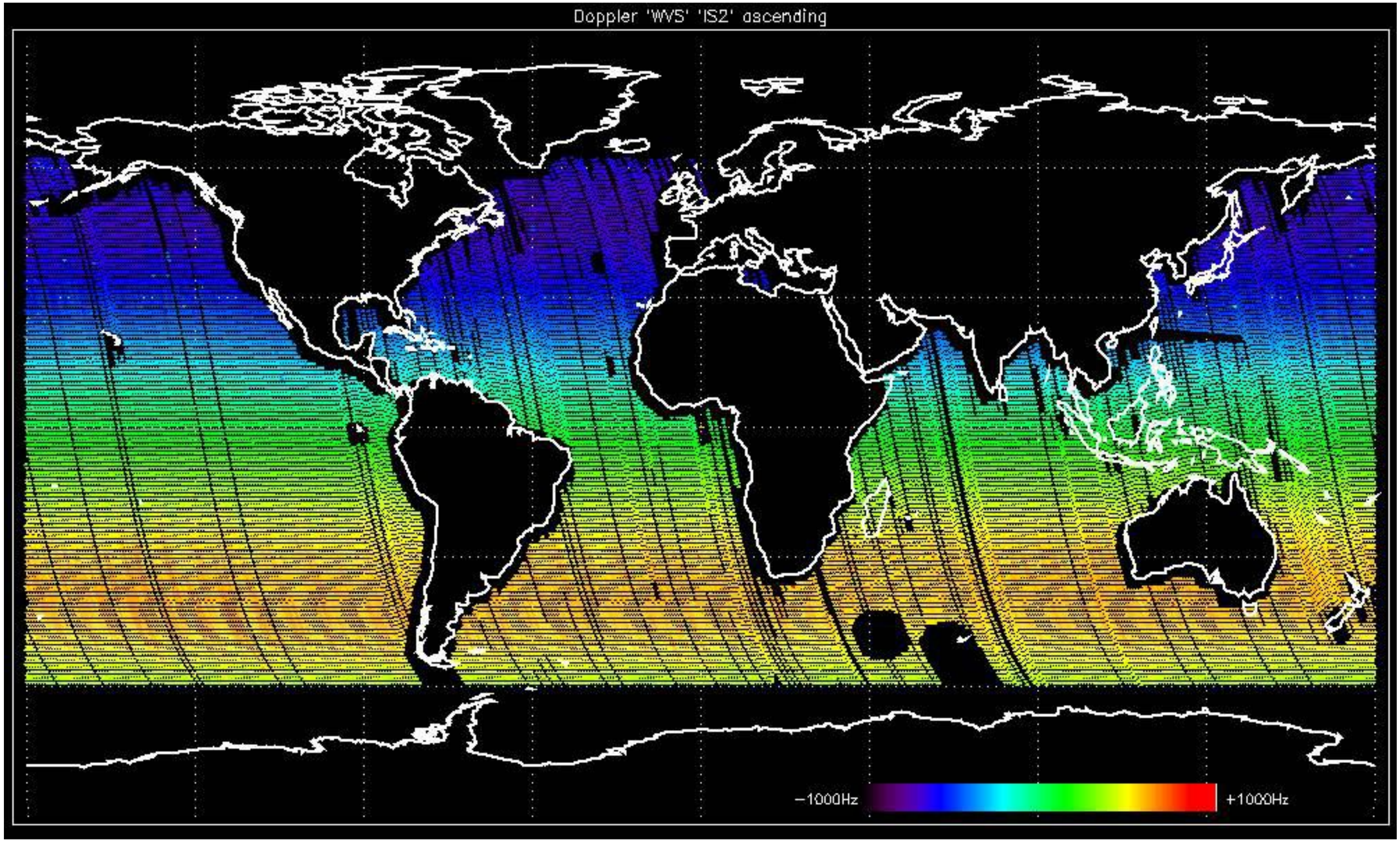

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

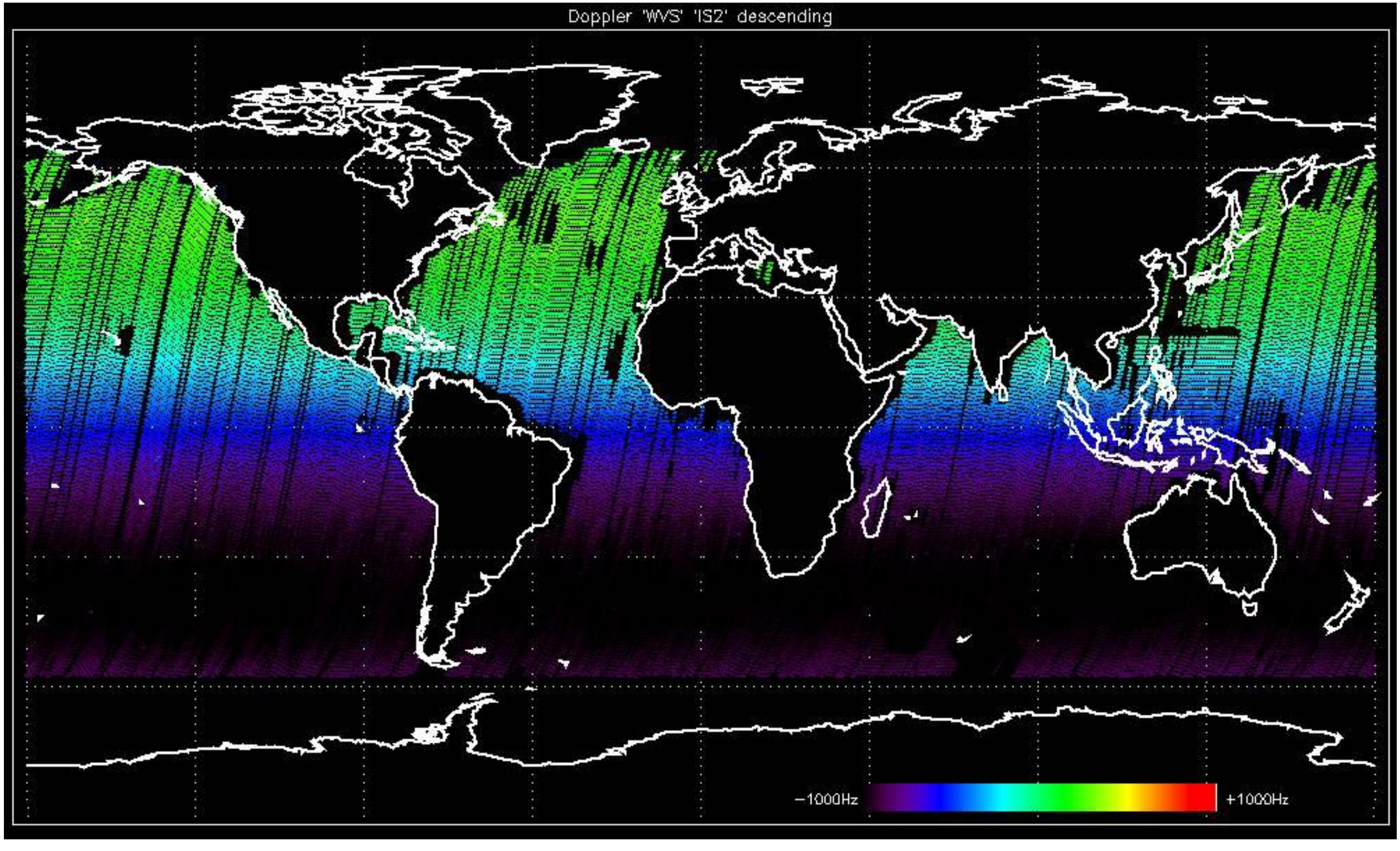
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

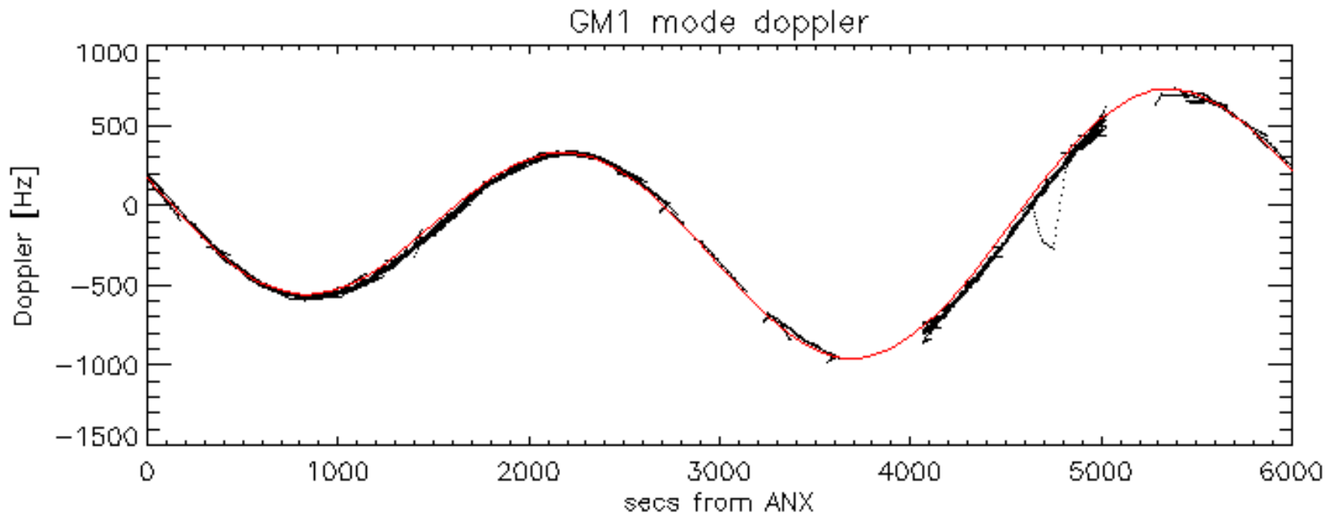
Preliminary report.The data is not yet controled

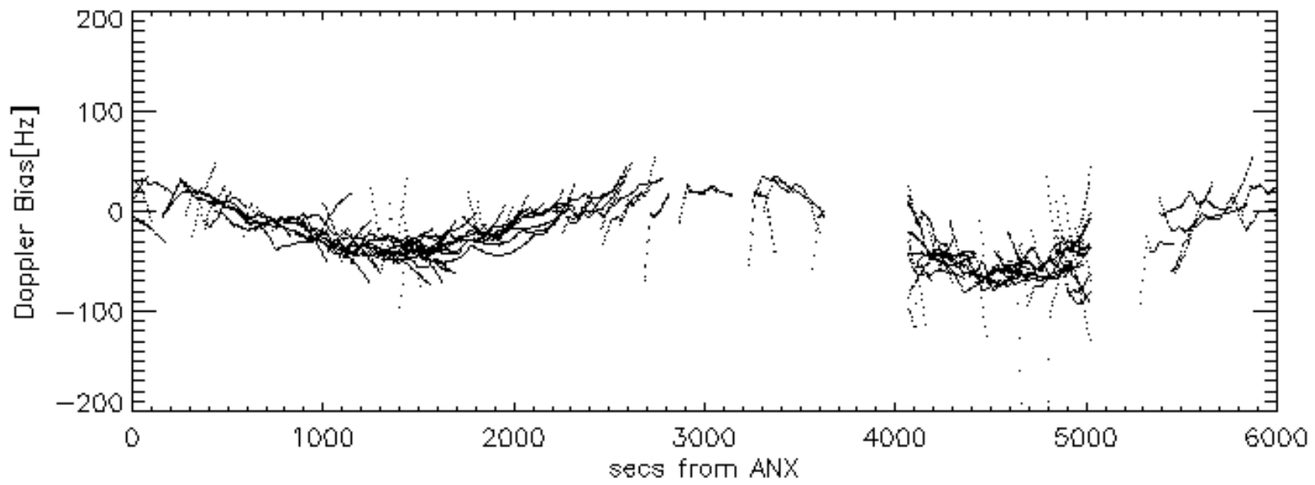

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

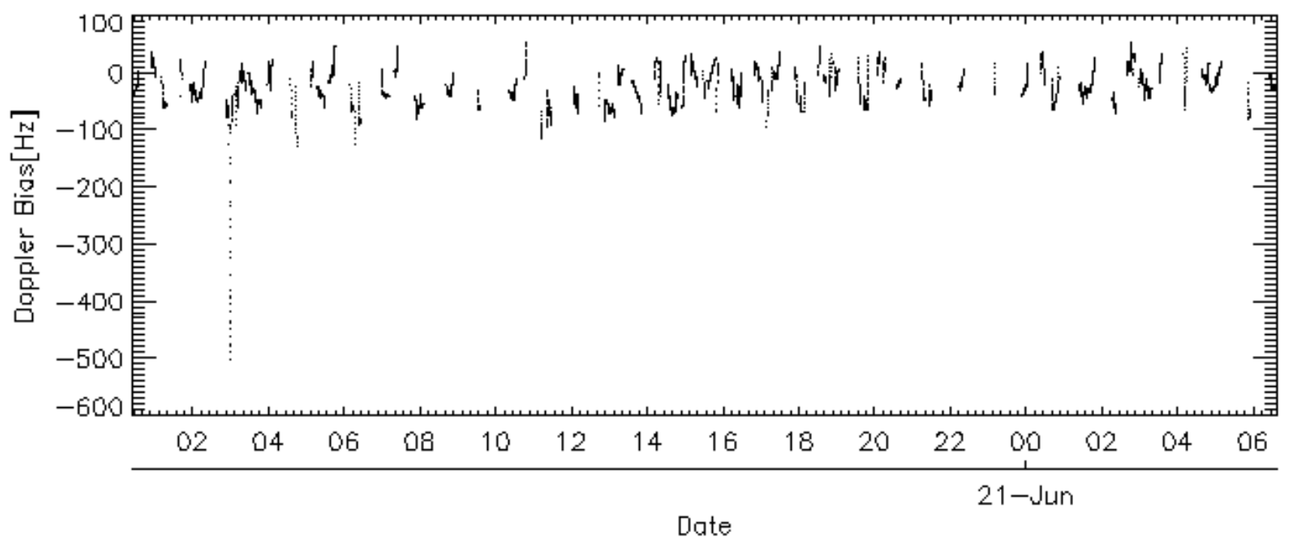

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

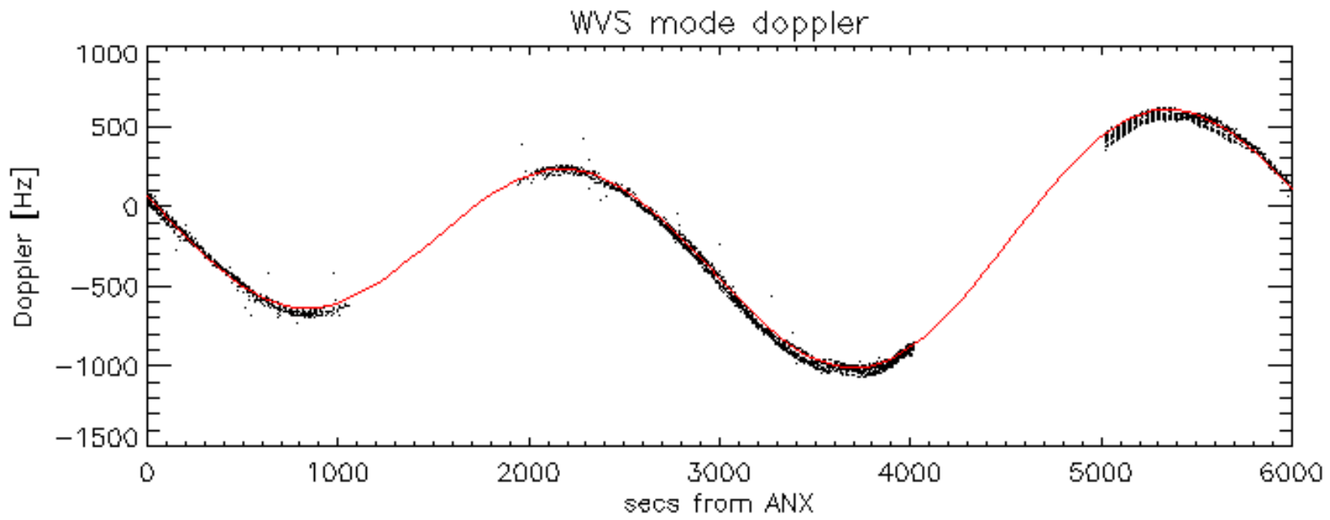

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

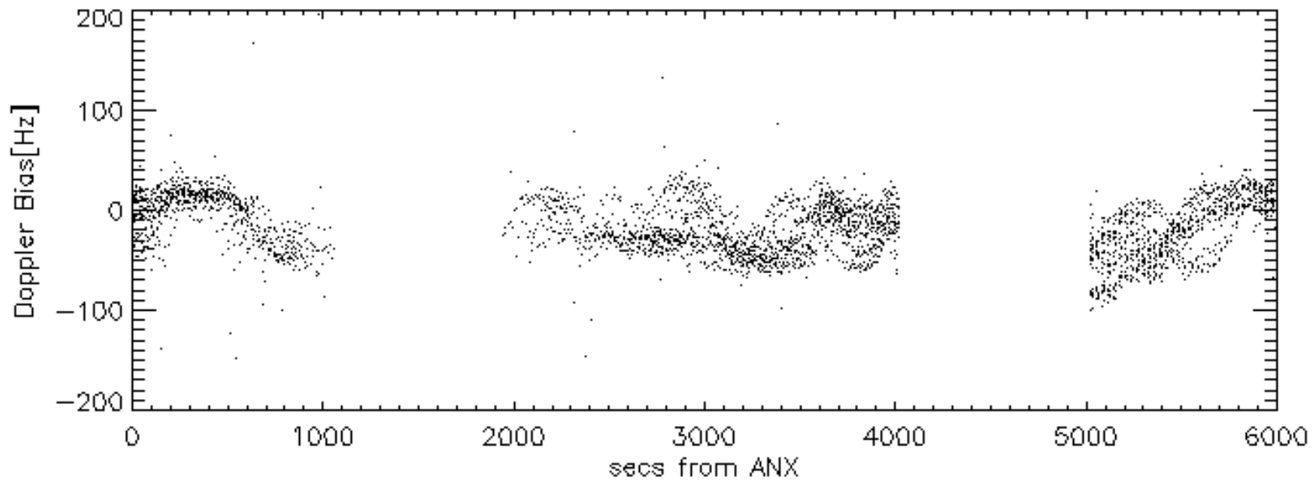

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

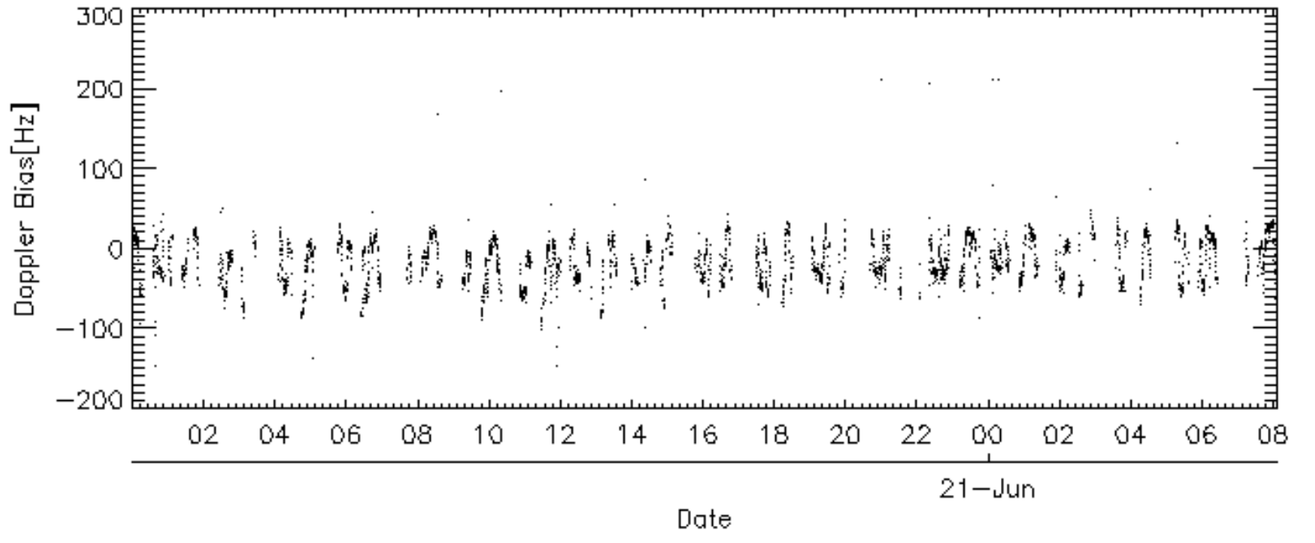

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

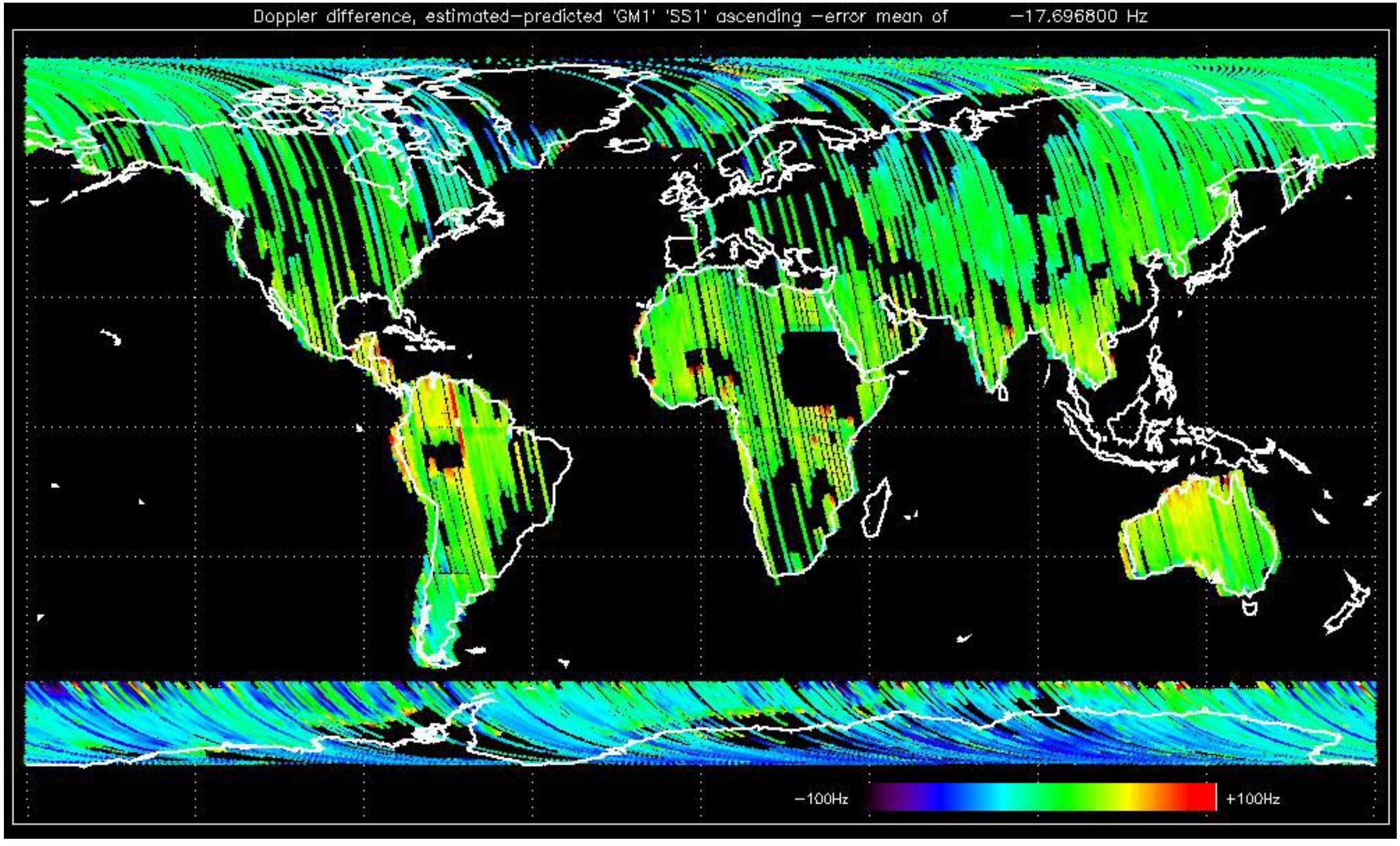

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

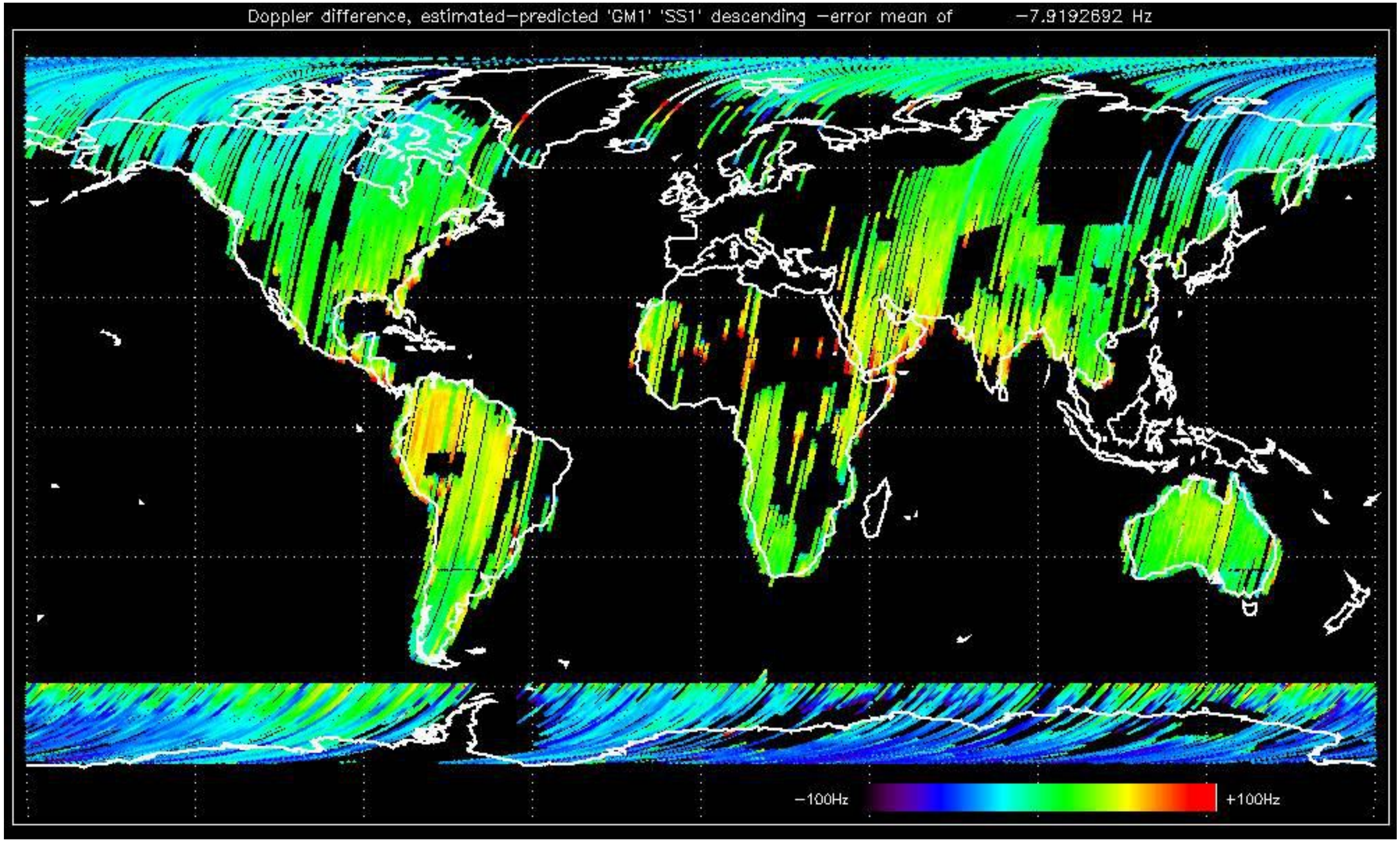

Doppler Bias[Hz]
100
0
−100
−200
−300
−400
−500
−600
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
21−Jun
Date

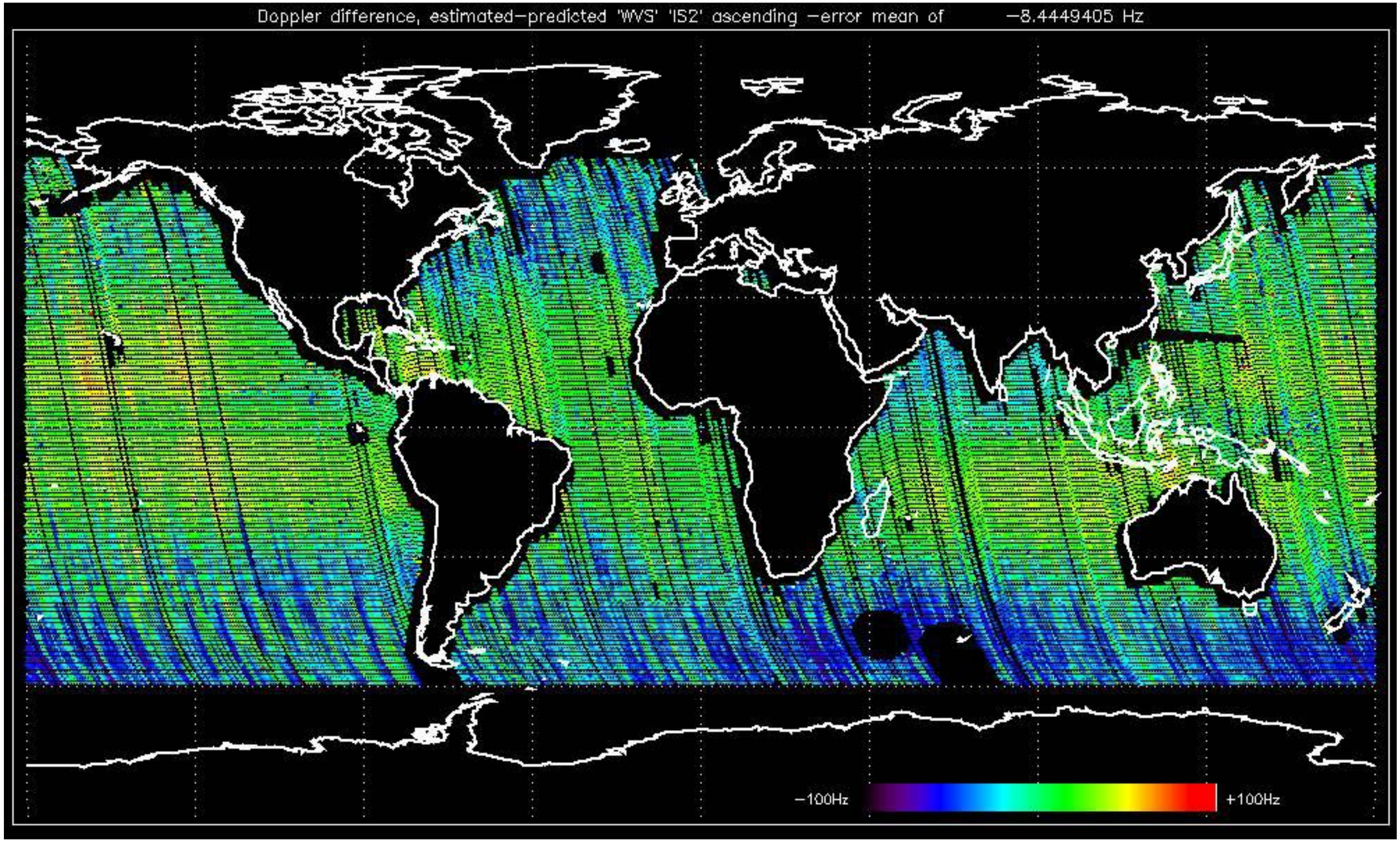

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

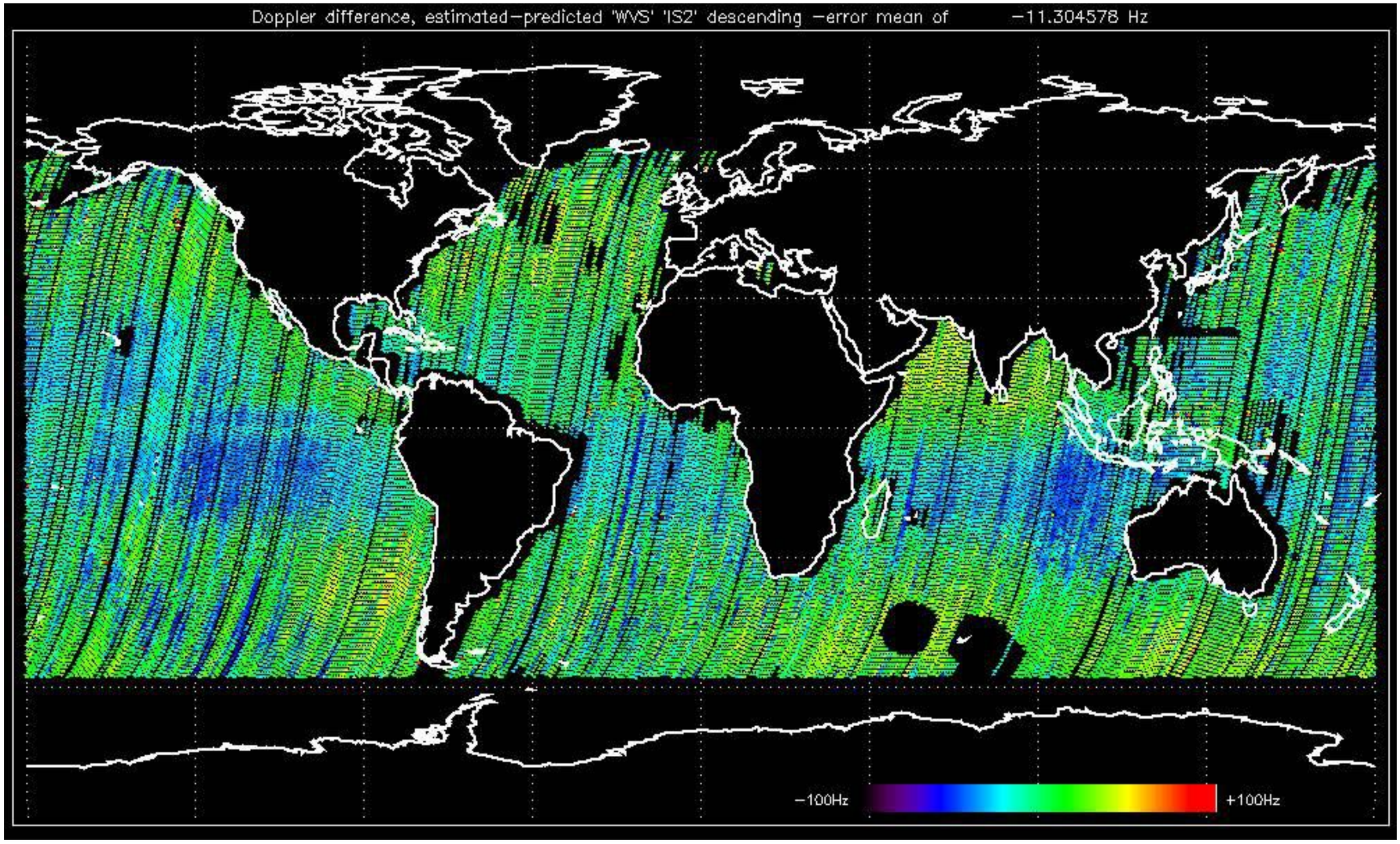

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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
21−Jun
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.696800 Hz
−100Hz
+100Hz

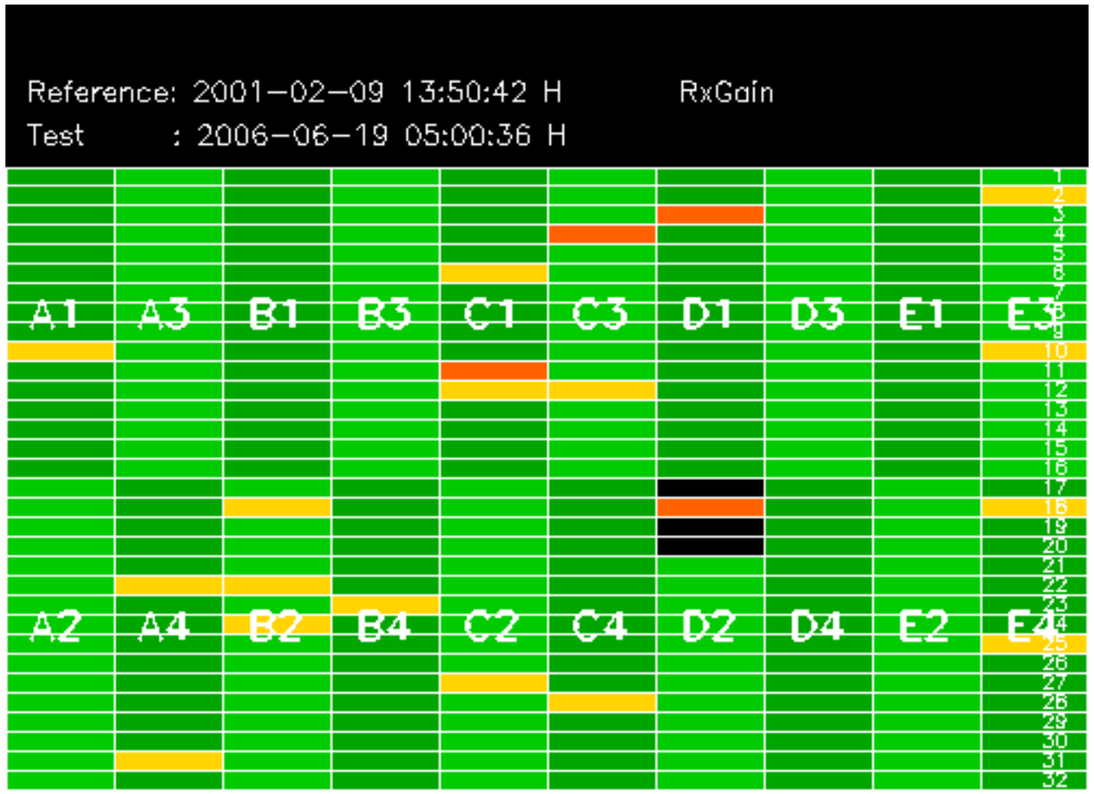

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -7.9192692 Hz
-100Hz
+100Hz

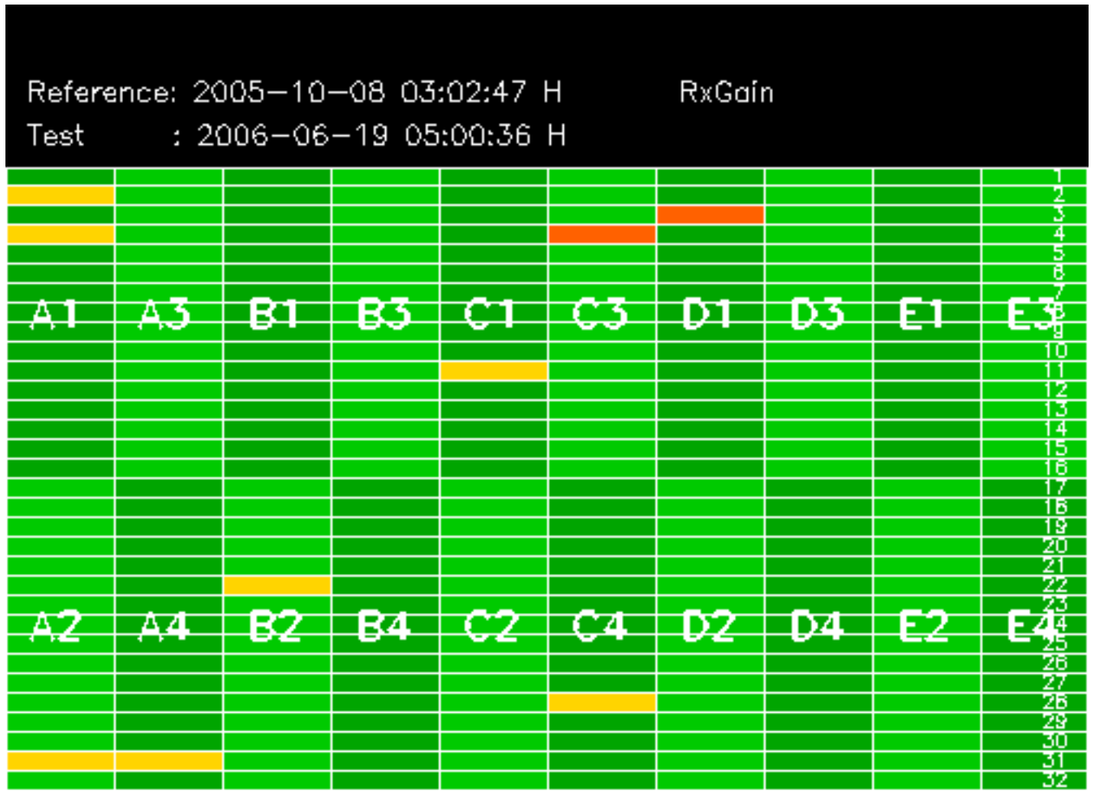

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −8.4449405 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.304578 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-06-19 05:00:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-06-19 05:00:36 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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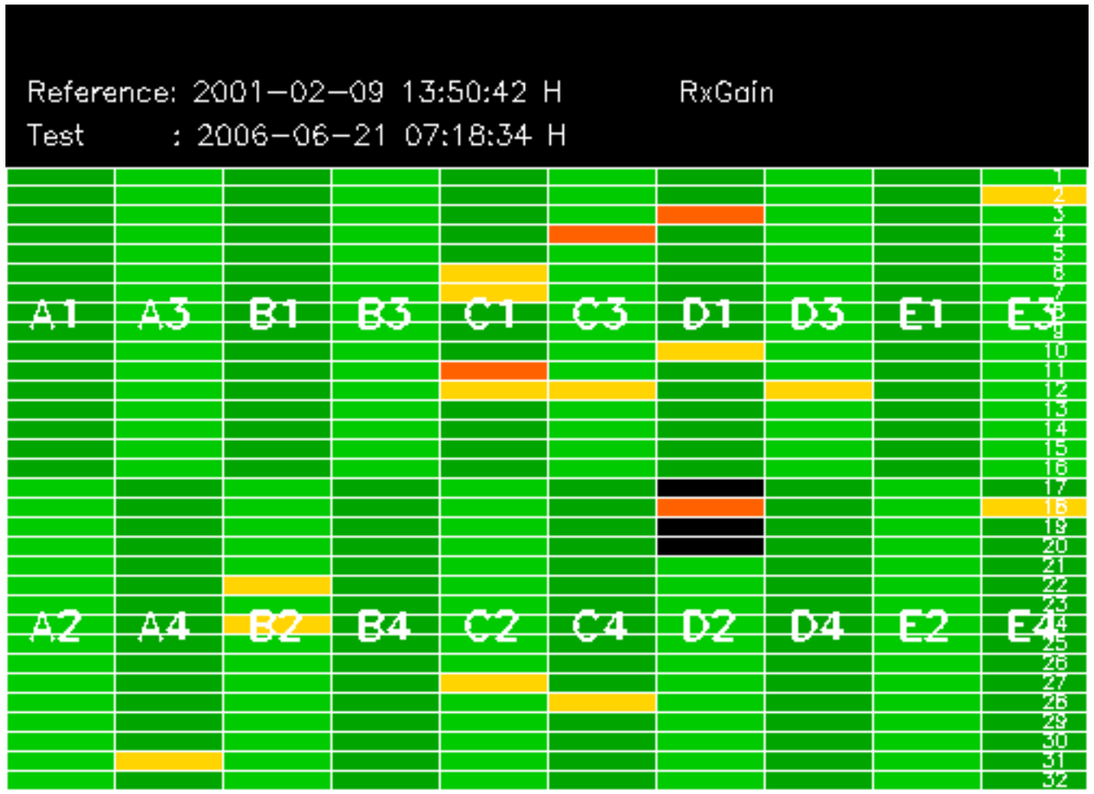
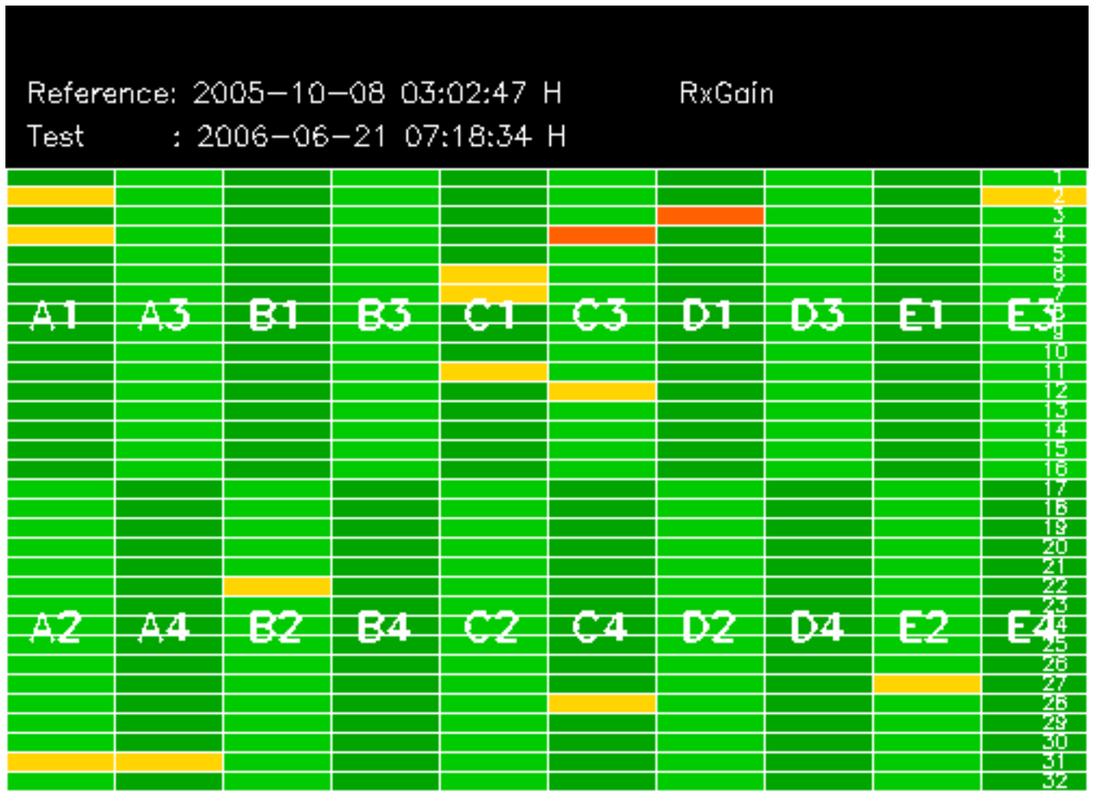

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2006-06-21 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-06-21 07:18:34 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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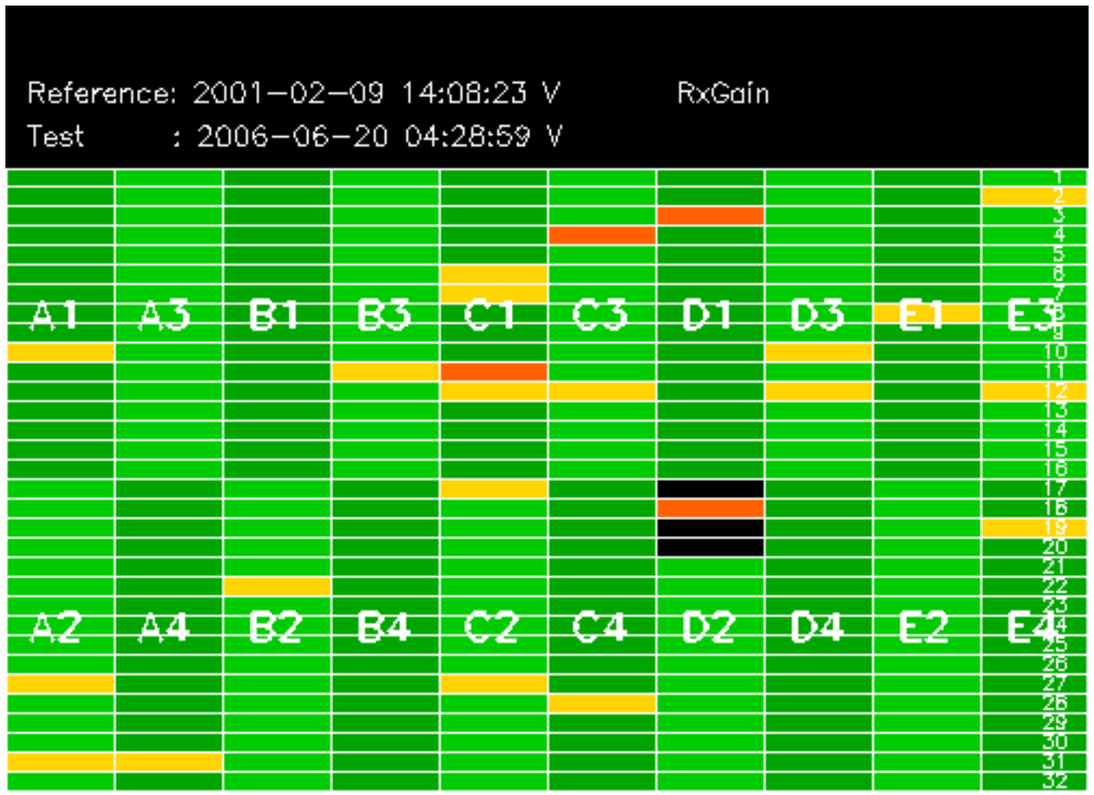
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-20 04:28:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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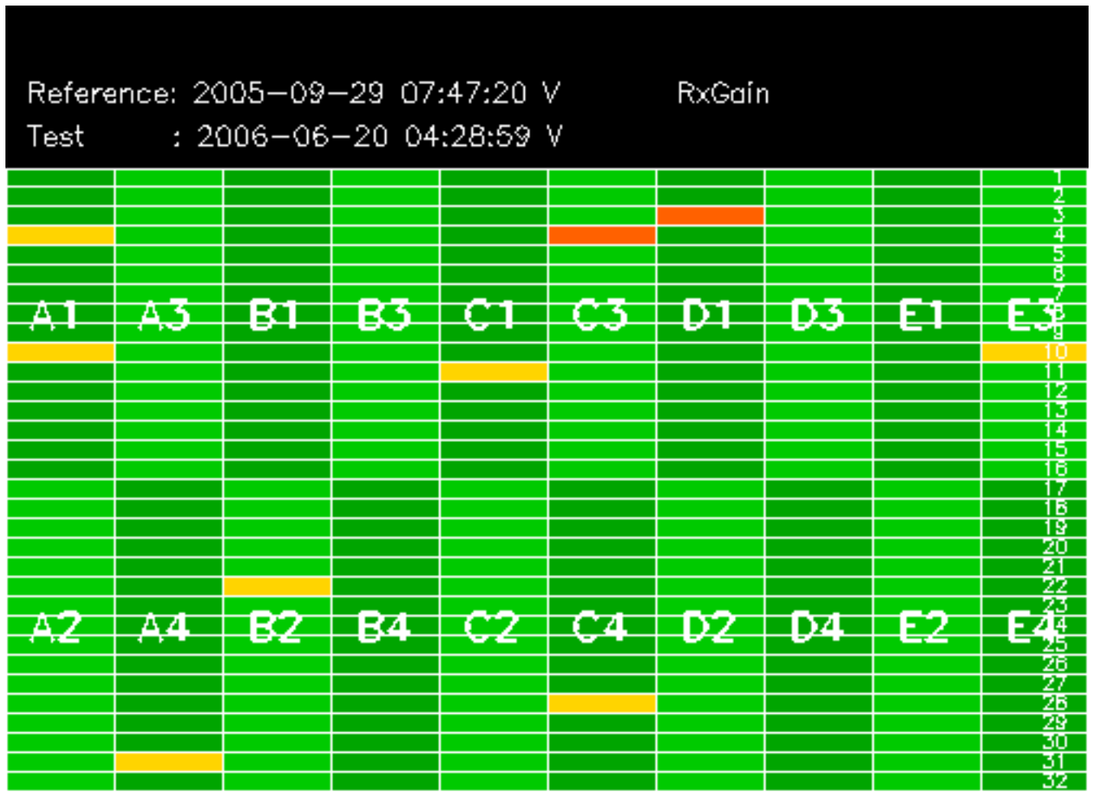
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-20 04:28:59 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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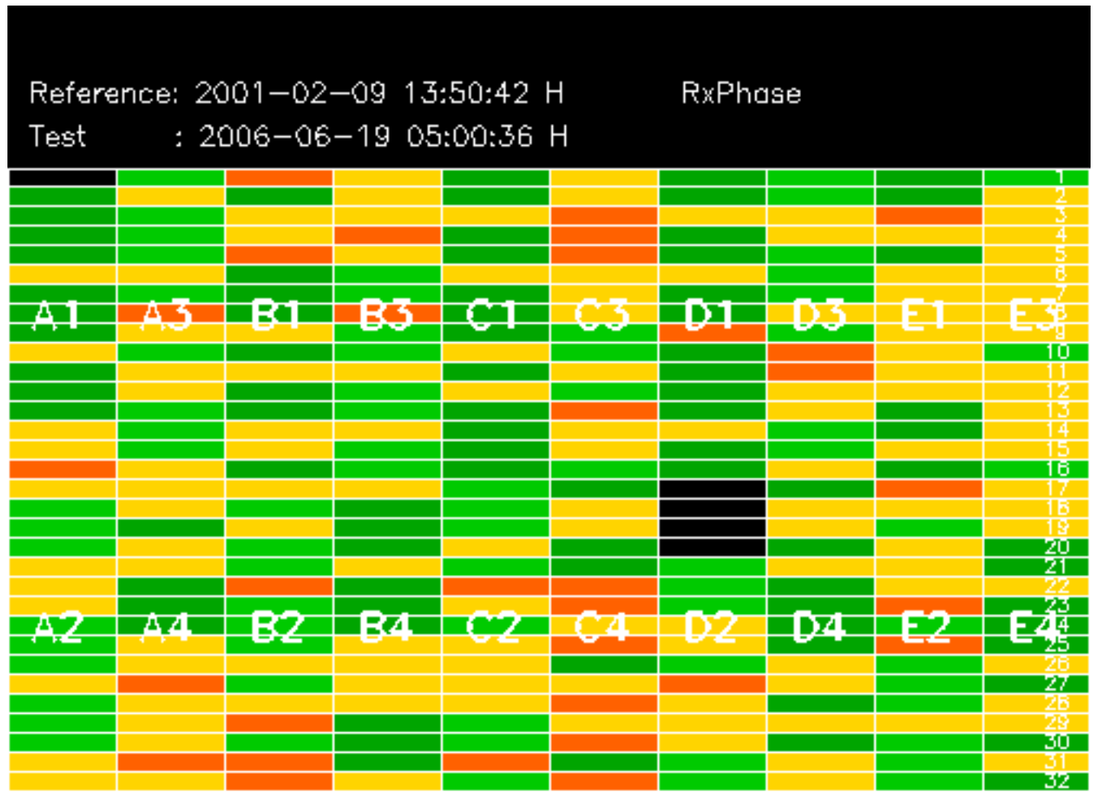
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-19 05:00:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-06-19 05:00:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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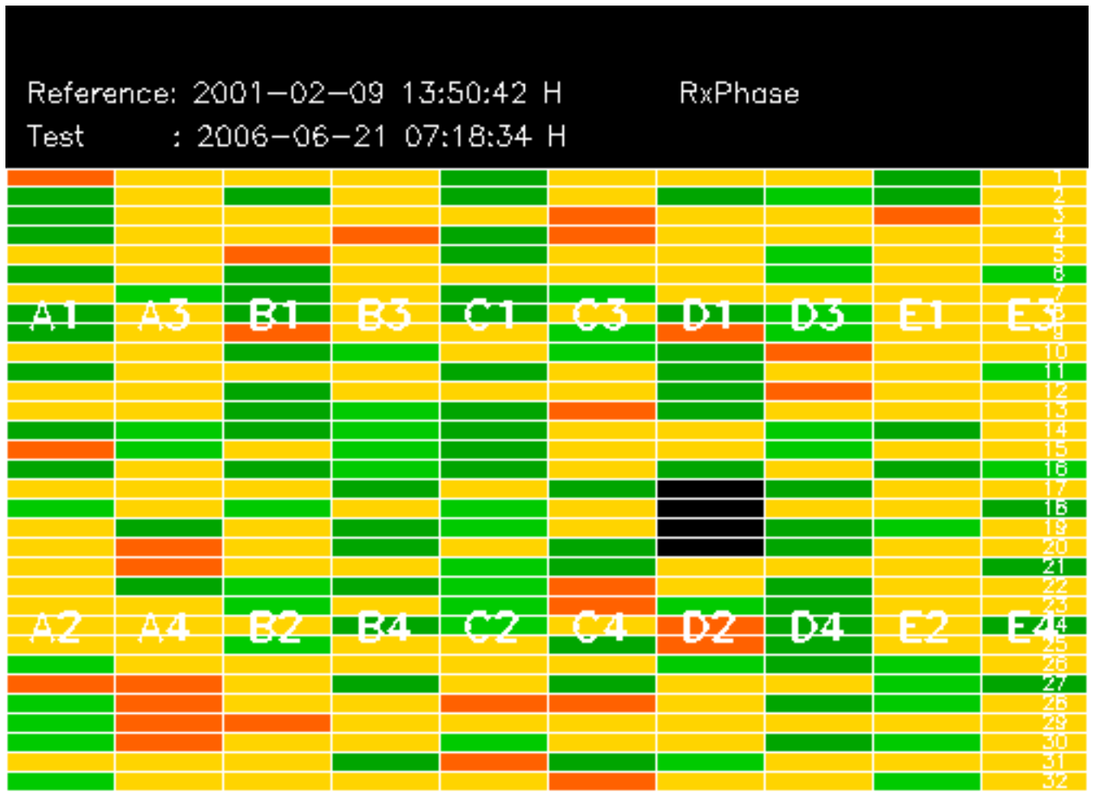
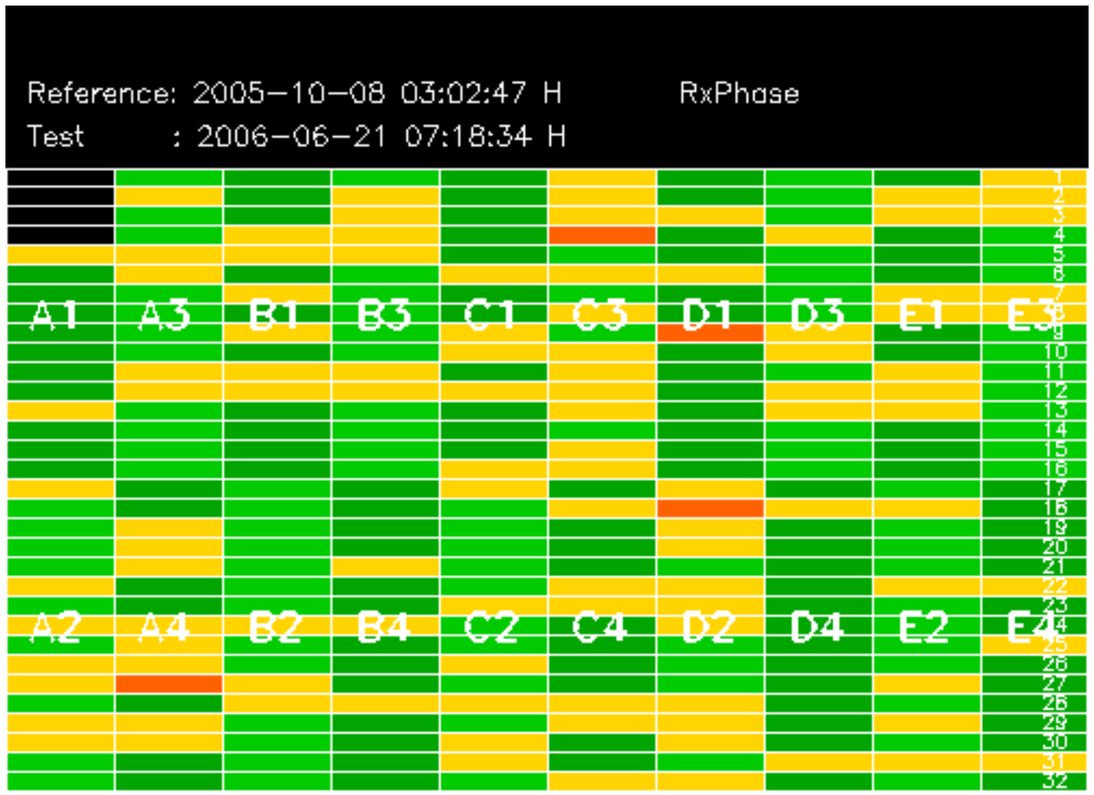

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-21 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-06-21 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
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C4
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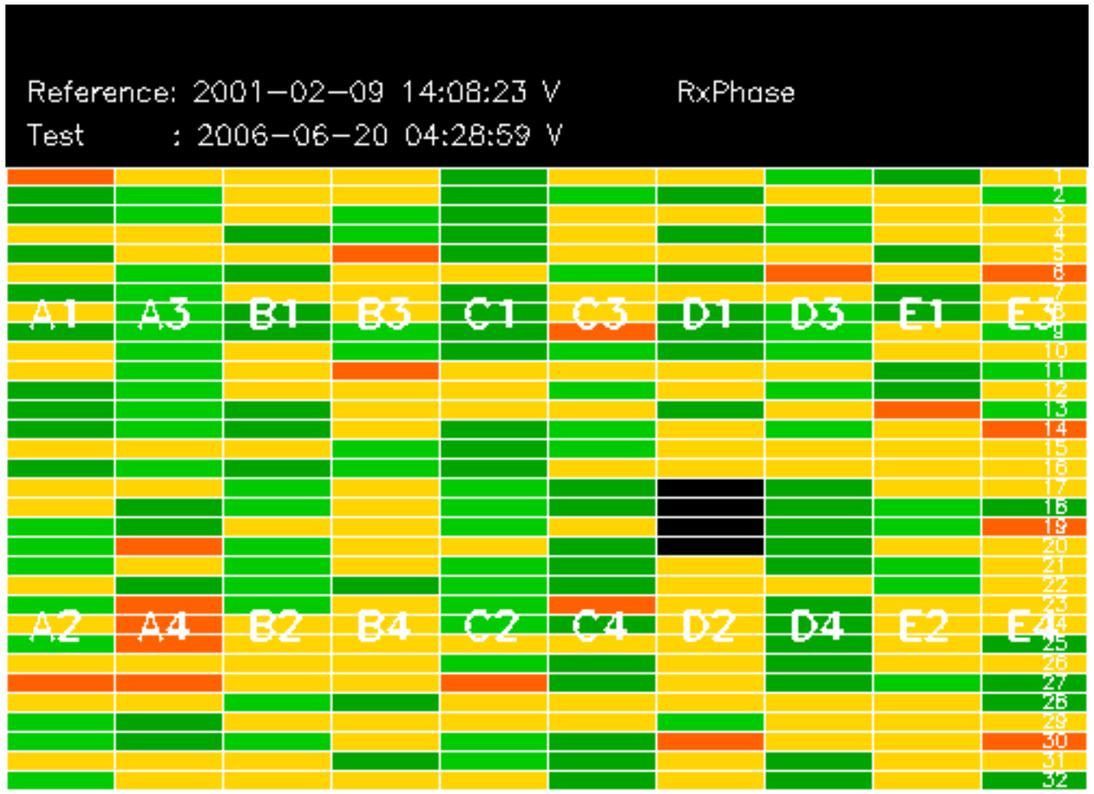
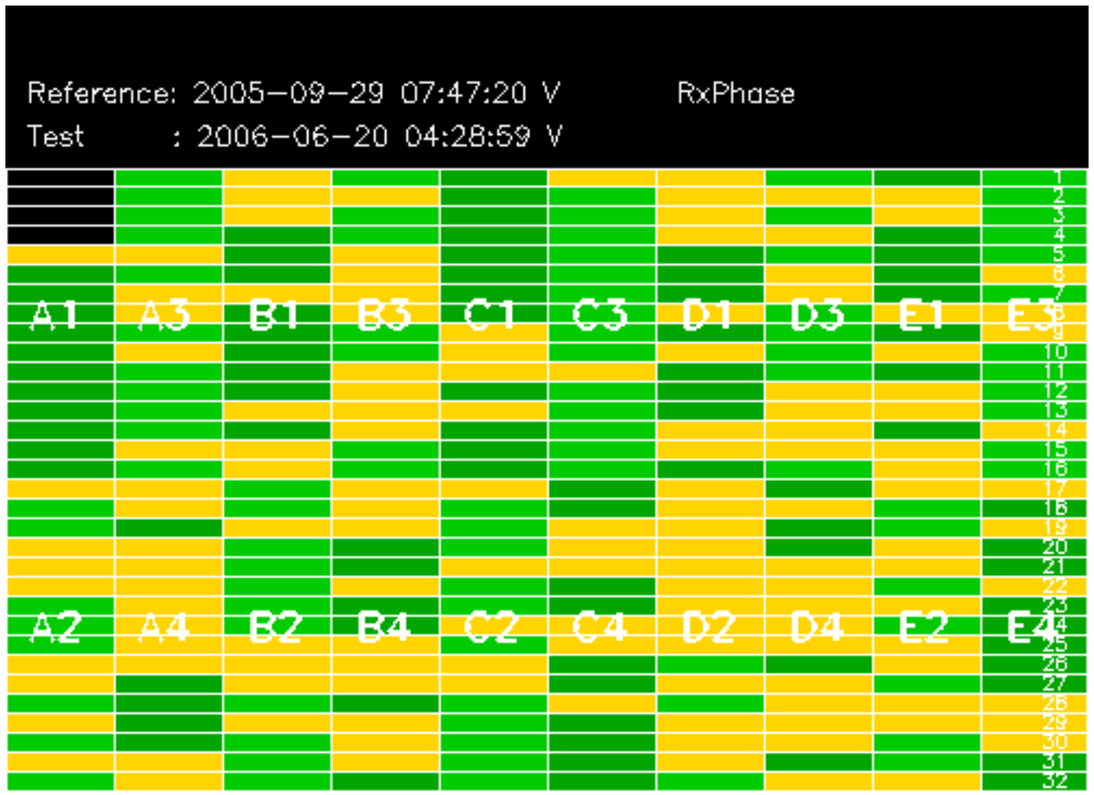

Reference: 2001-02-09 14:08:23 V
Test : 2006-06-20 04:28:59 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
RxPhase
Test : 2006-06-20 04:28:59 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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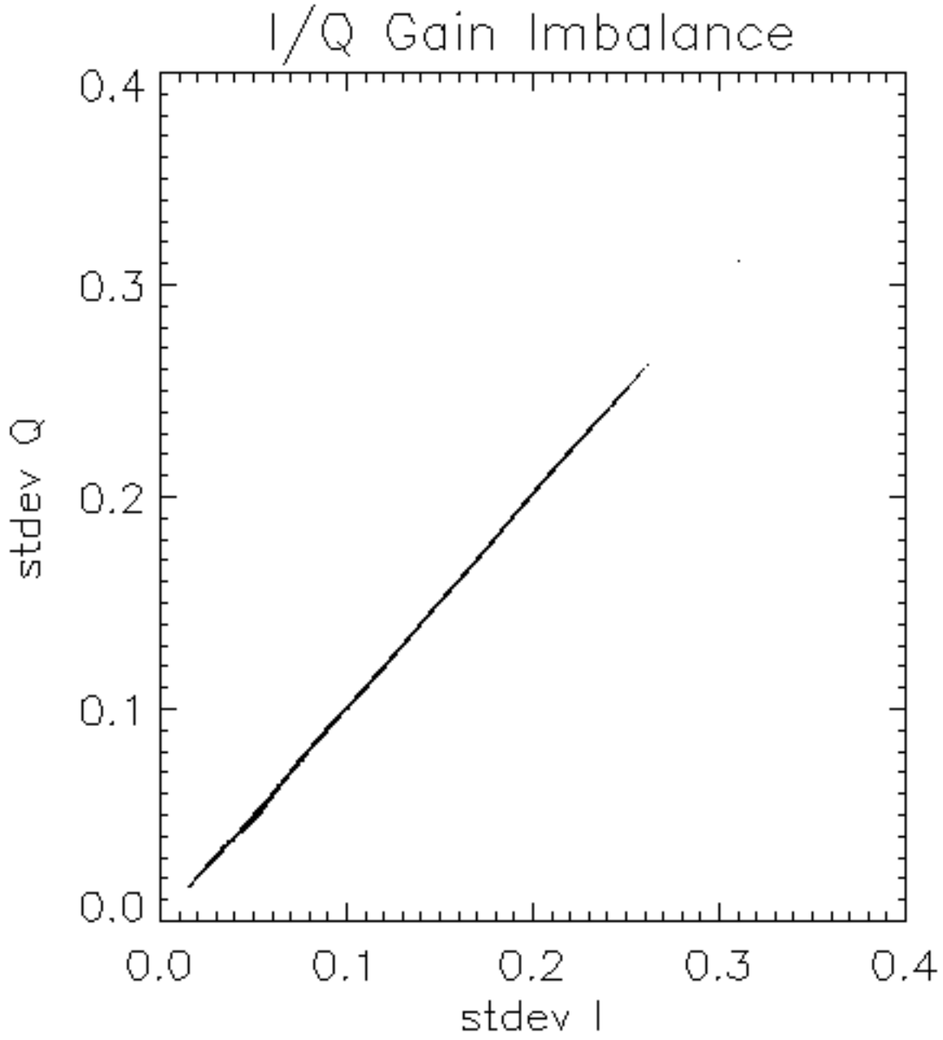
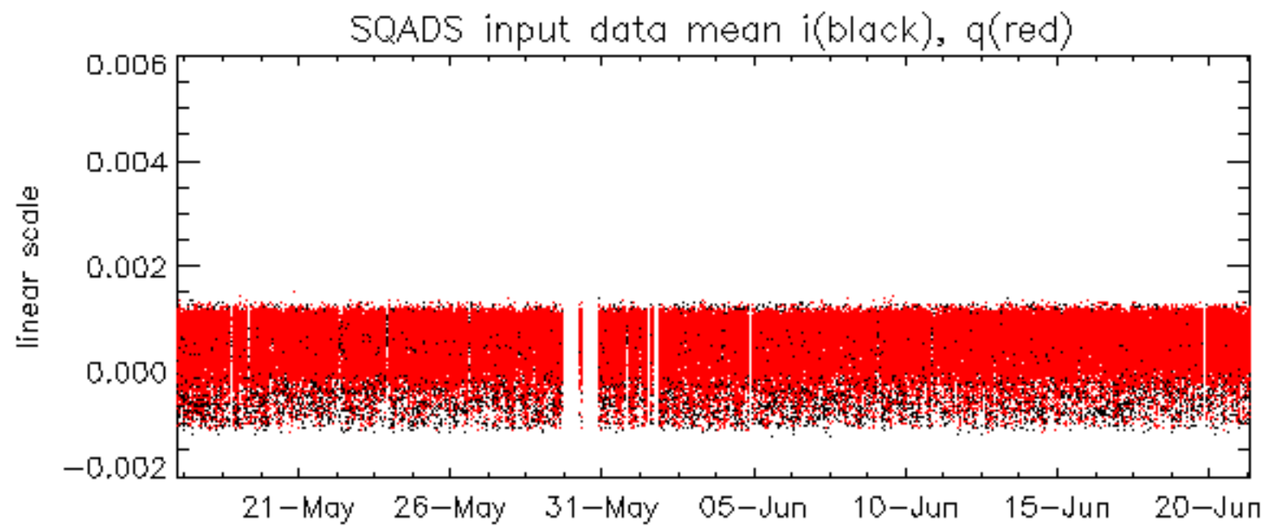
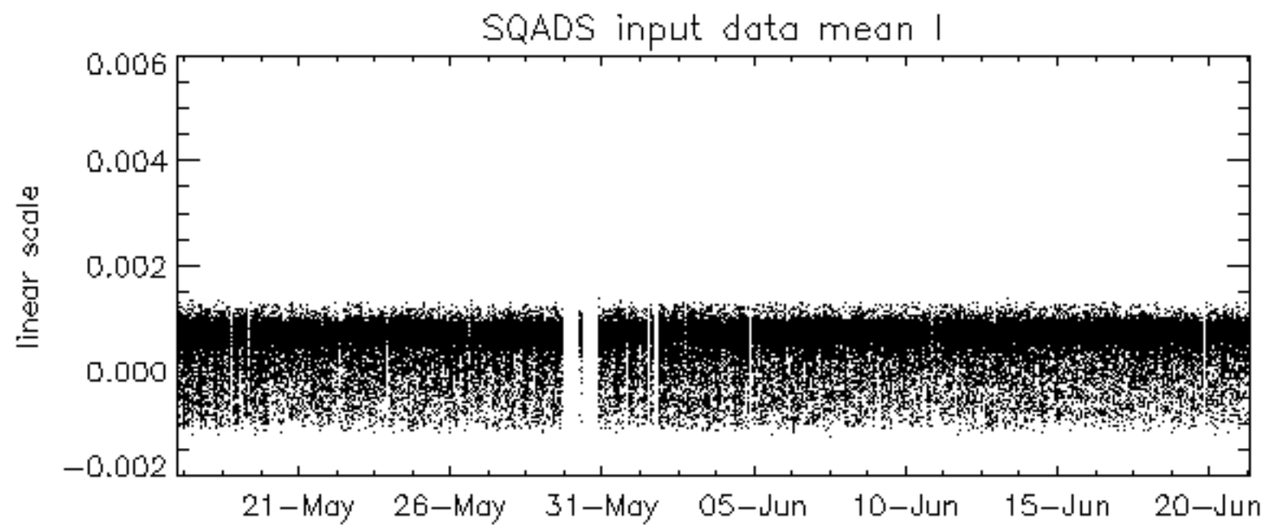
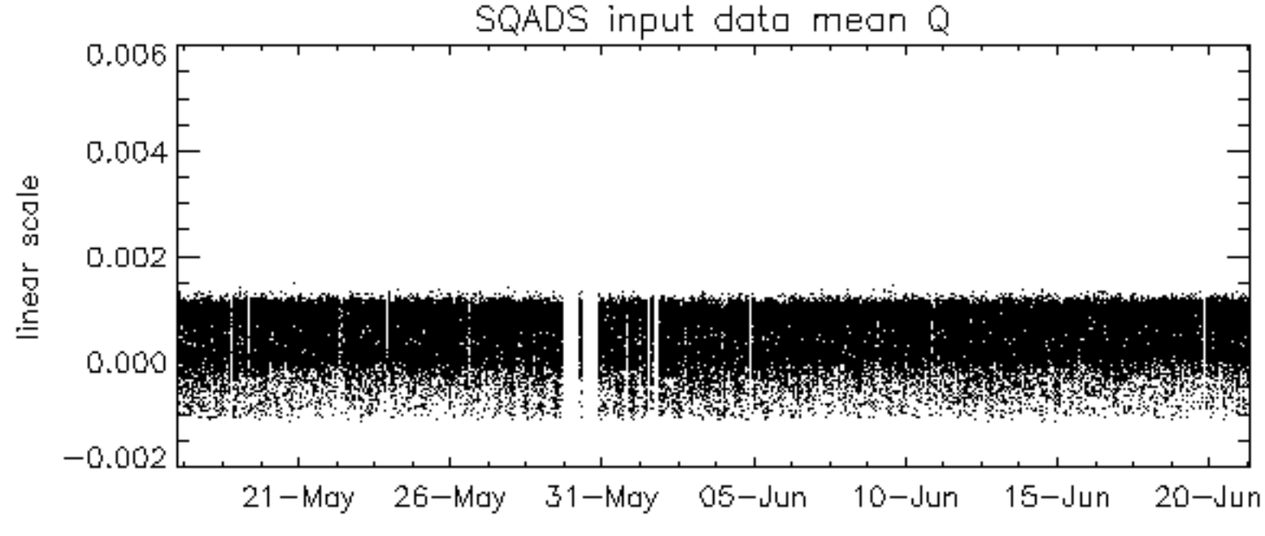
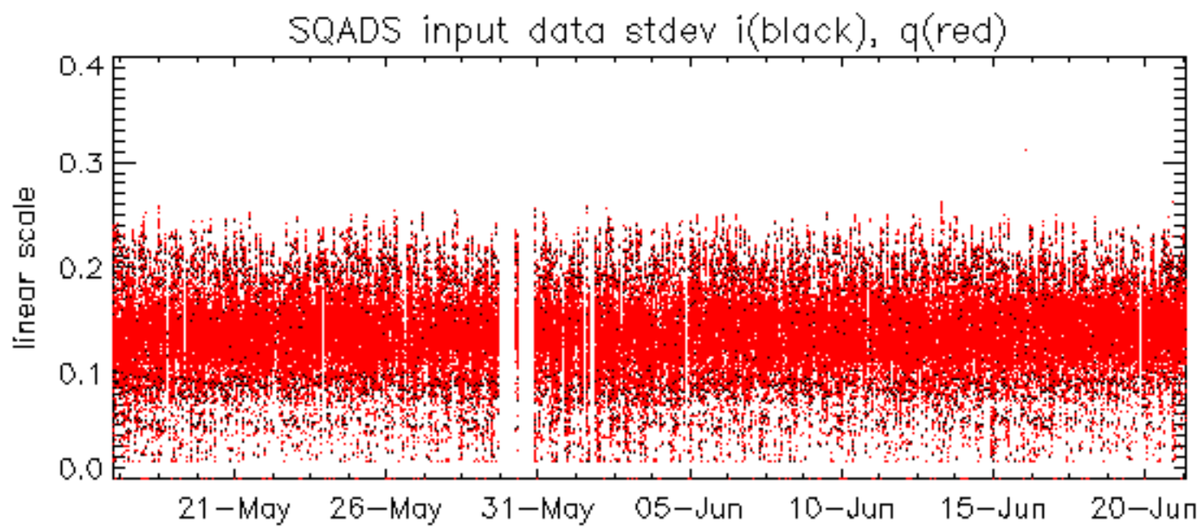
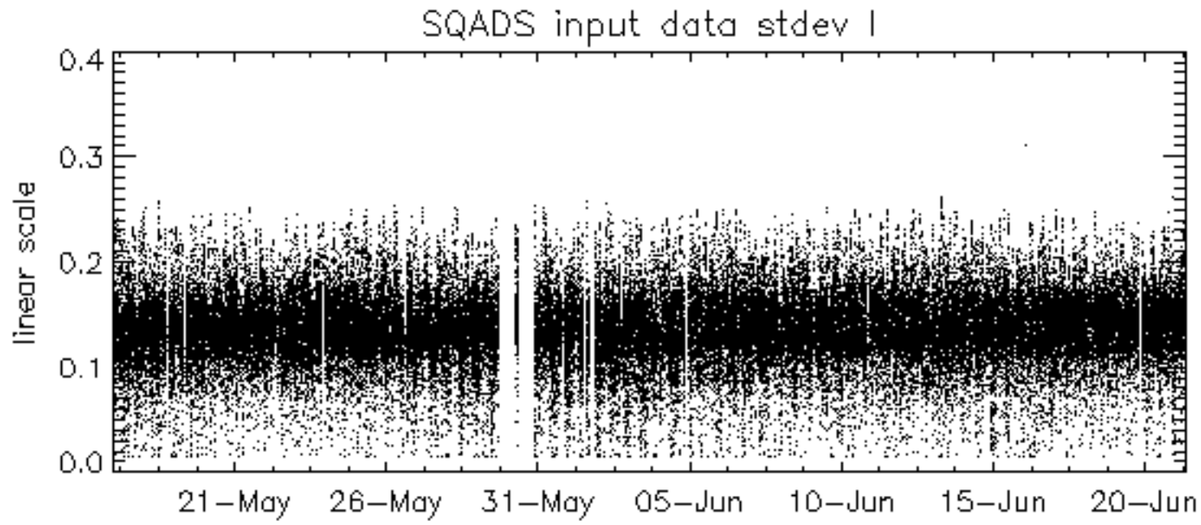

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

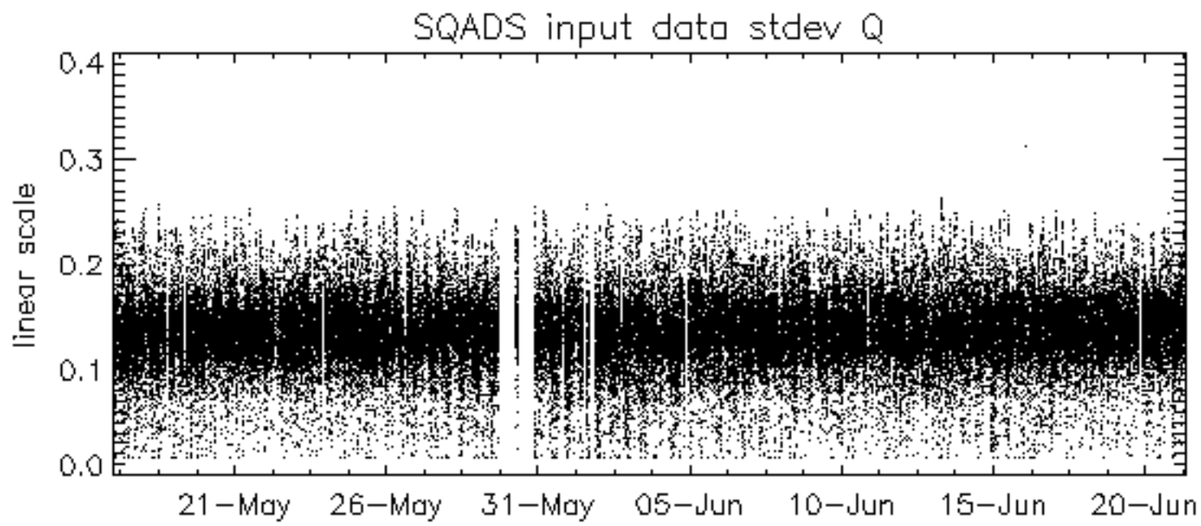

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
20−Jun

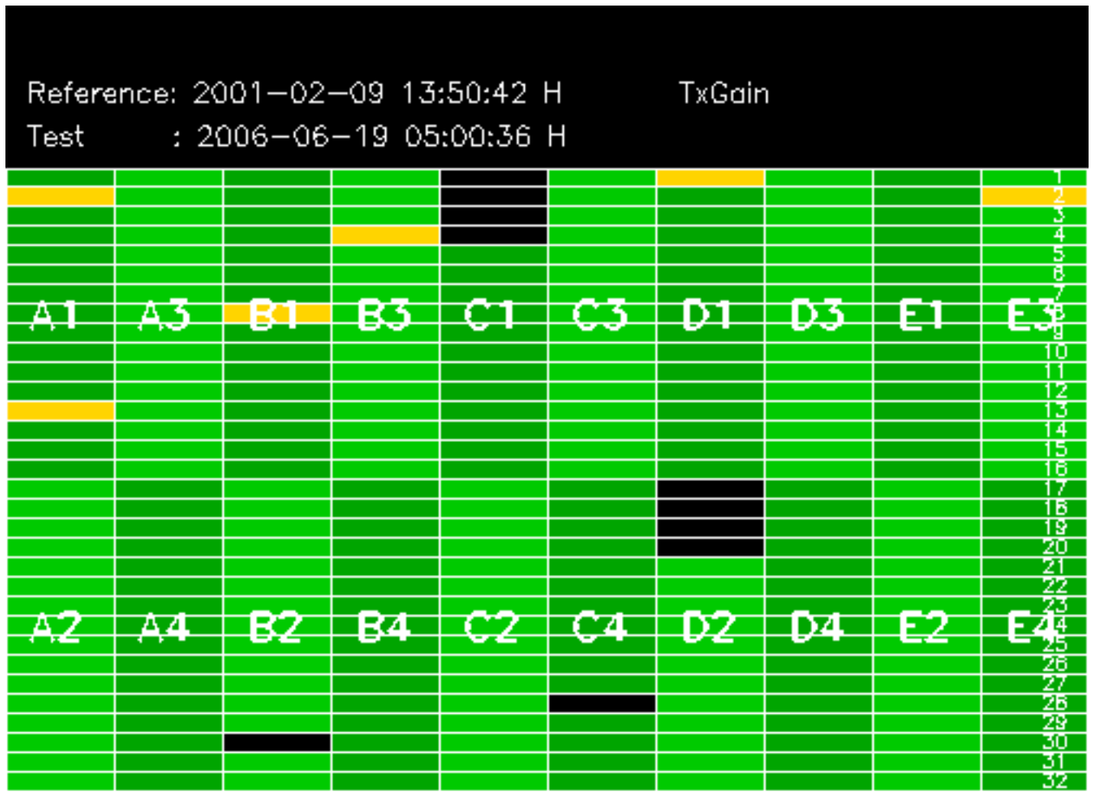

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−May
26−May
31−May
05−Jun
10−Jun
15−Jun
20−Jun


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-19 05:00:36 H
TxGain
A1
A3
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B3
C1
C3
D1
D3
E1
E3
A2
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B4
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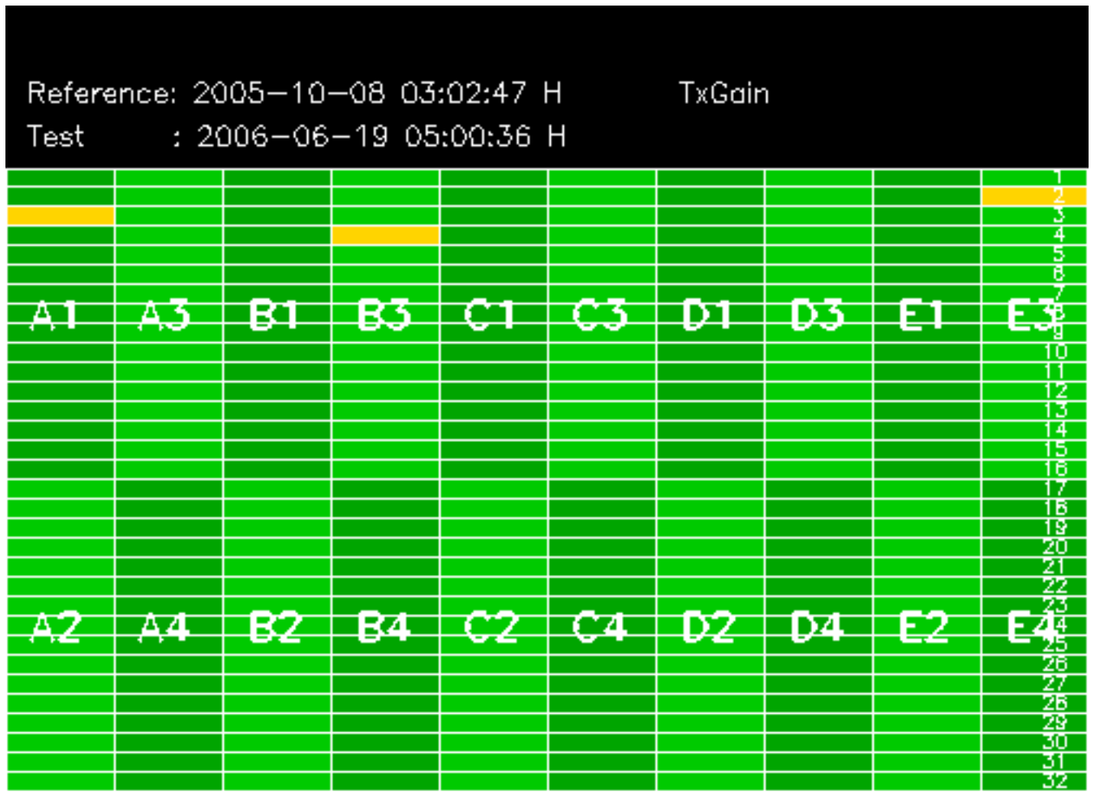
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-19 05:00:36 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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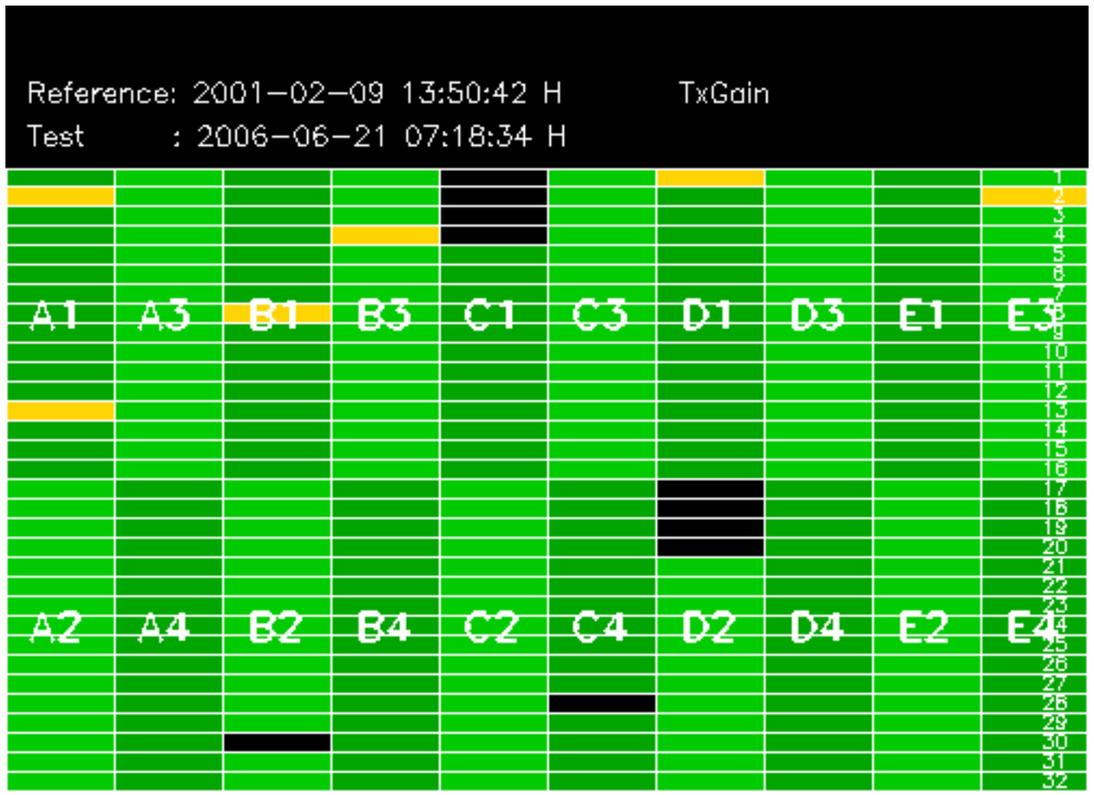
Reference: 2001-02-09 13:50:42 H
Test : 2006-06-21 07:18:34 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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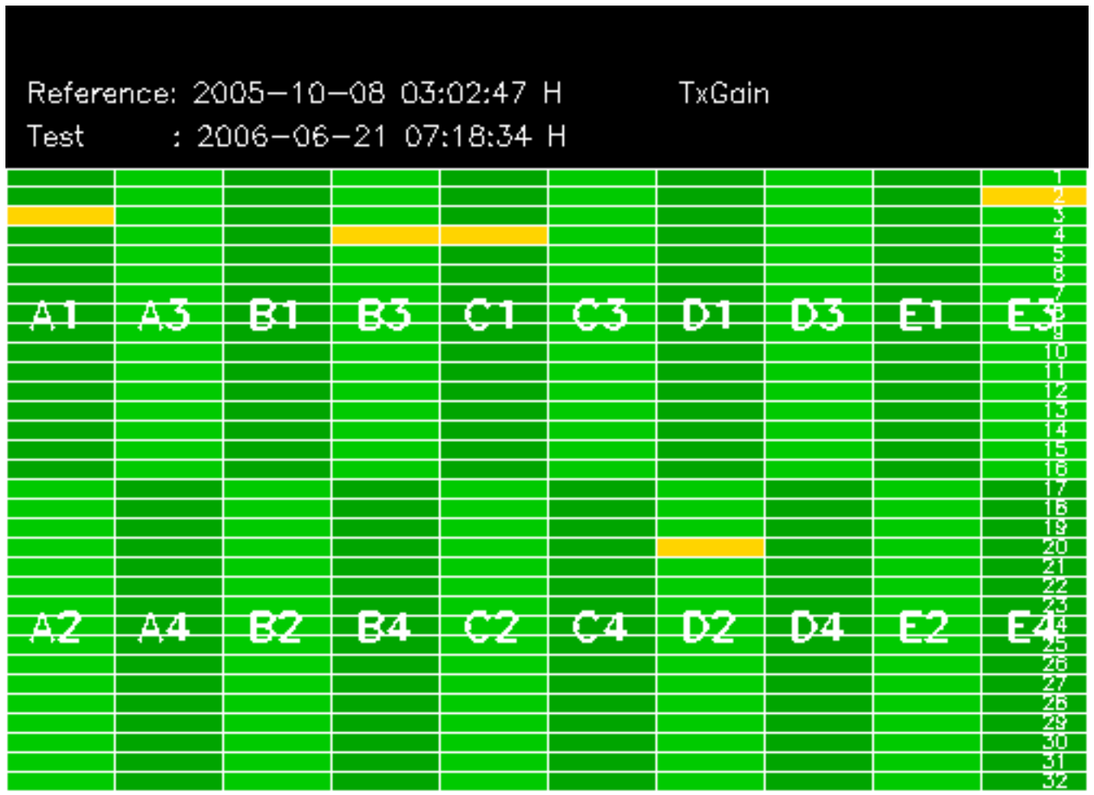
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-21 07:18:34 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
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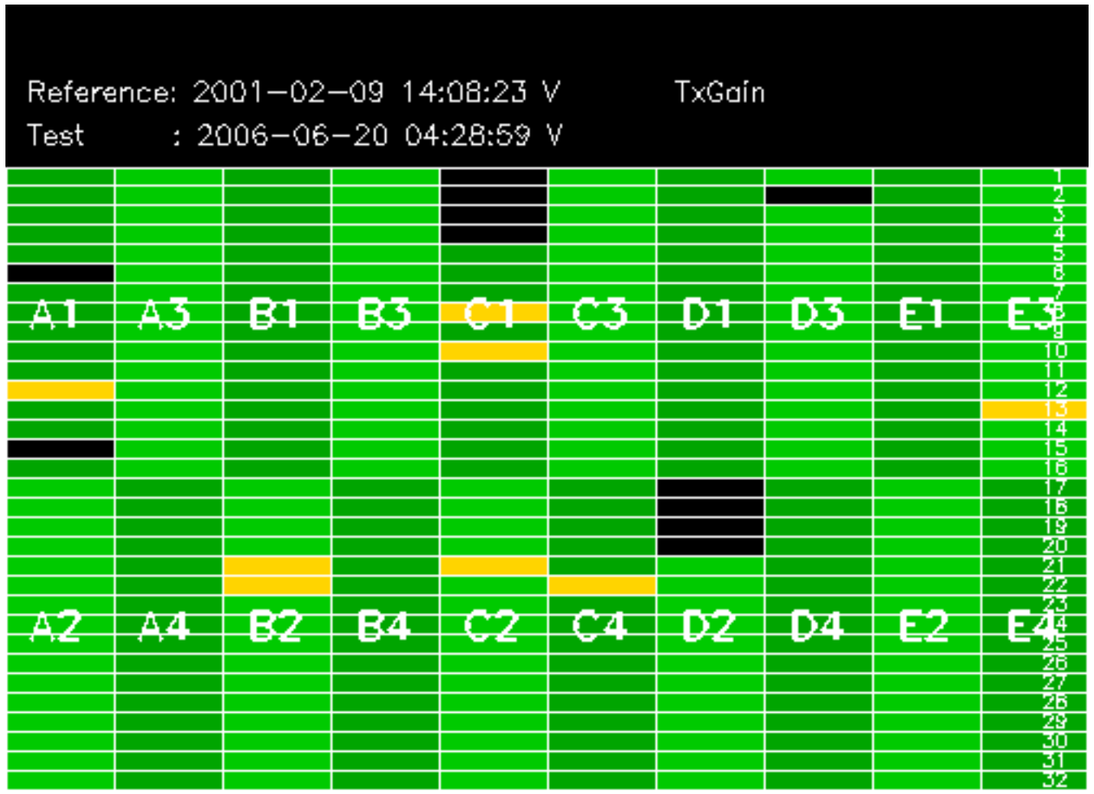
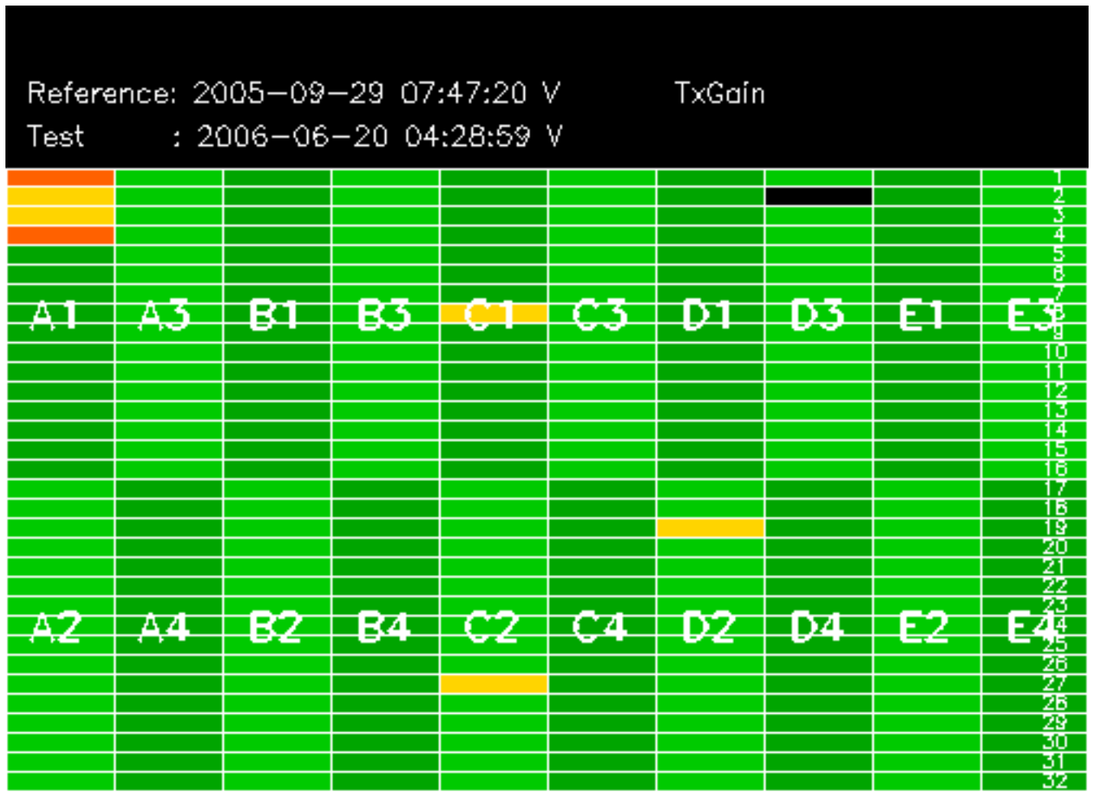

Reference: 2001-02-09 14:08:23 V
Test : 2006-06-20 04:28:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-20 04:28:59 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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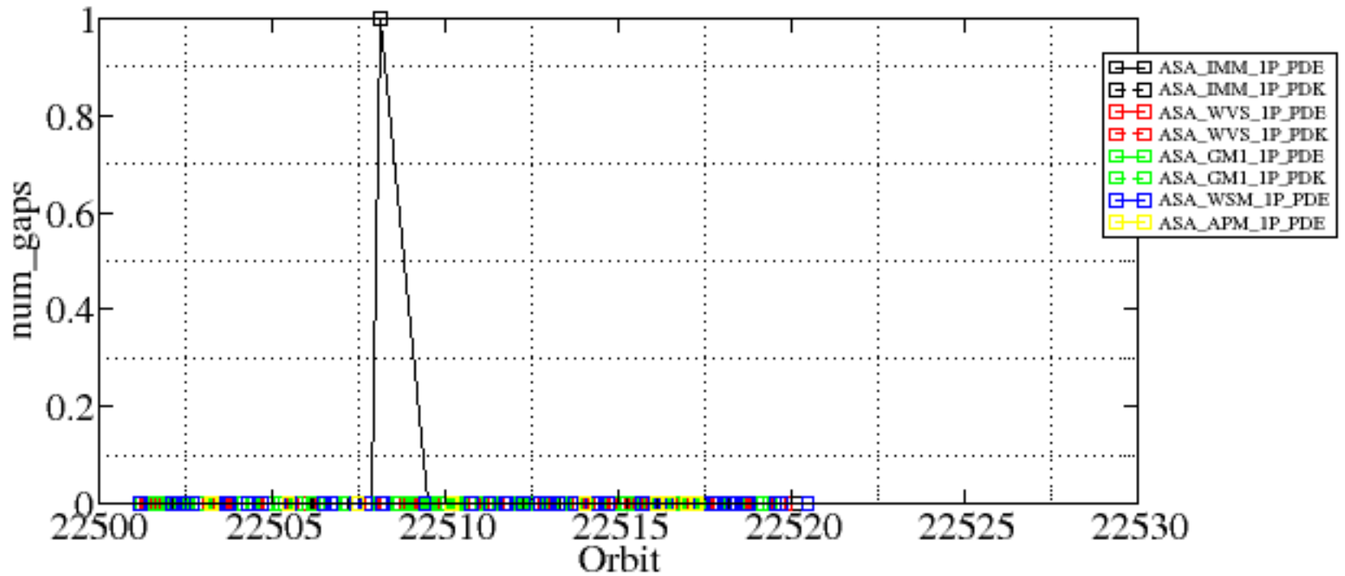
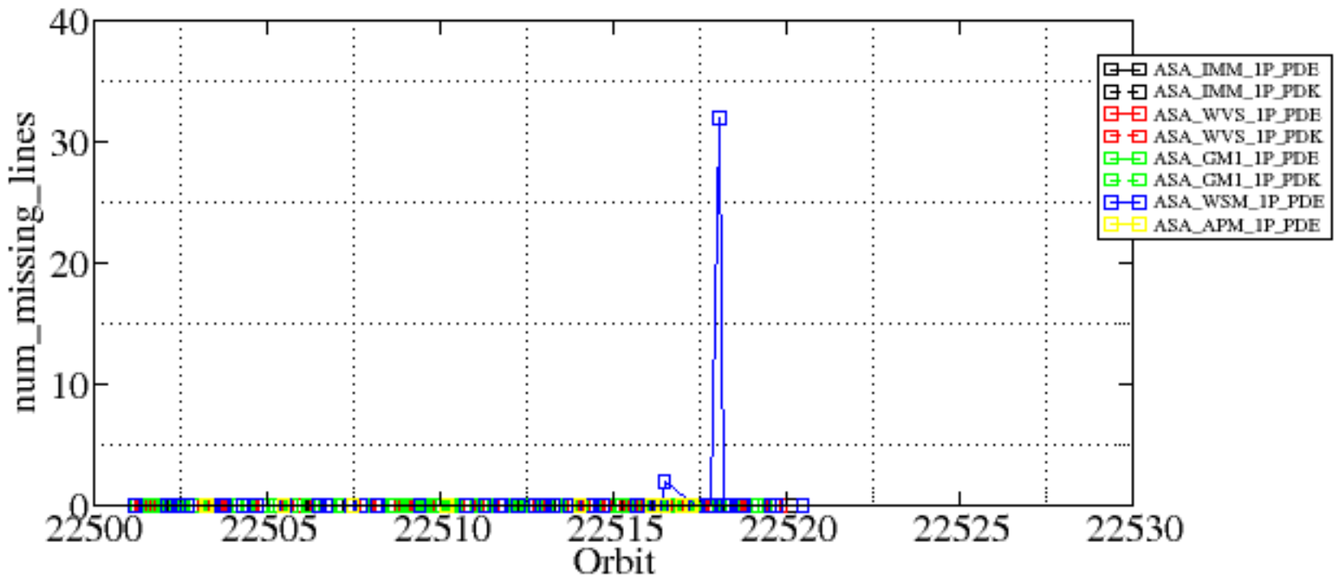
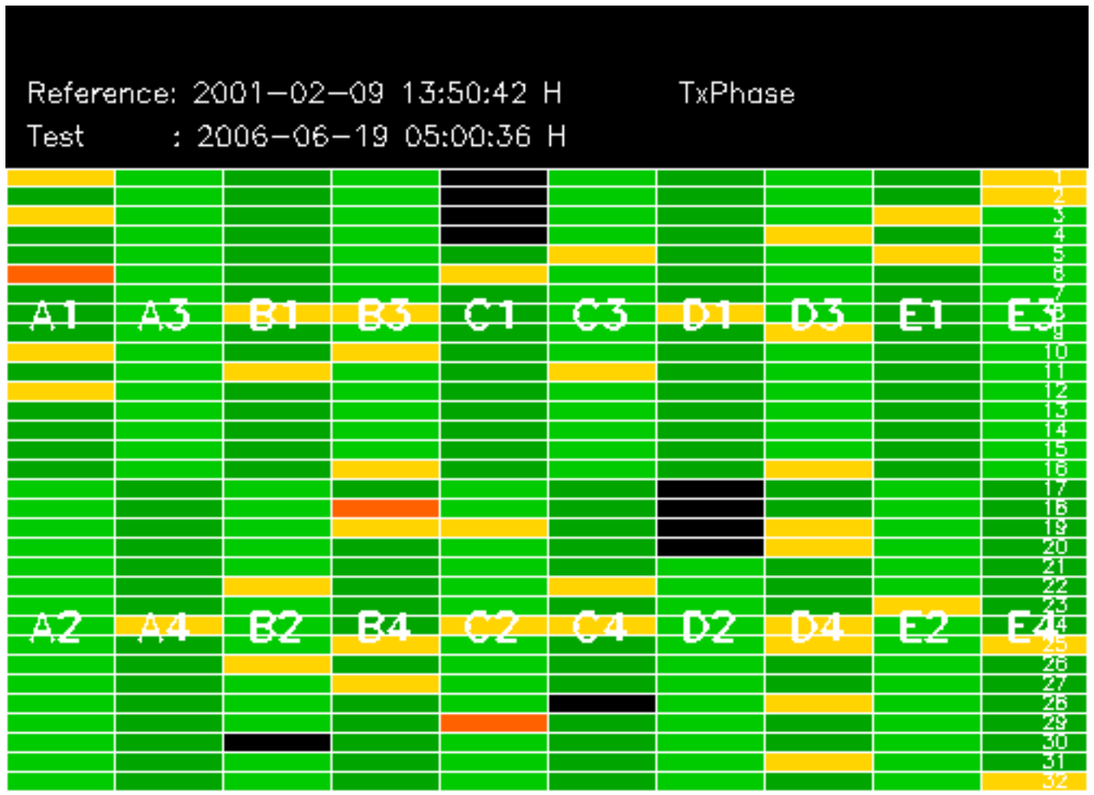
Summary of analysis for the last 3 days 2006062[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060620_115627_000000512048_00410_22508_8157.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060621_015620_000000972048_00418_22516_4911.N1 </td> <td>0 </td> <td>2 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060621_043526_000001832048_00420_22518_4929.N1 </td> <td>0 </td> <td>32 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
22500
22505
22510
22515
22520
22525
22530
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_APM_1P_PDE


num_missing_lines
Orbit
40
30
20
10
0
22500
22505
22510
22515
22520
22525
22530
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_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-06-19 05:00:36 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
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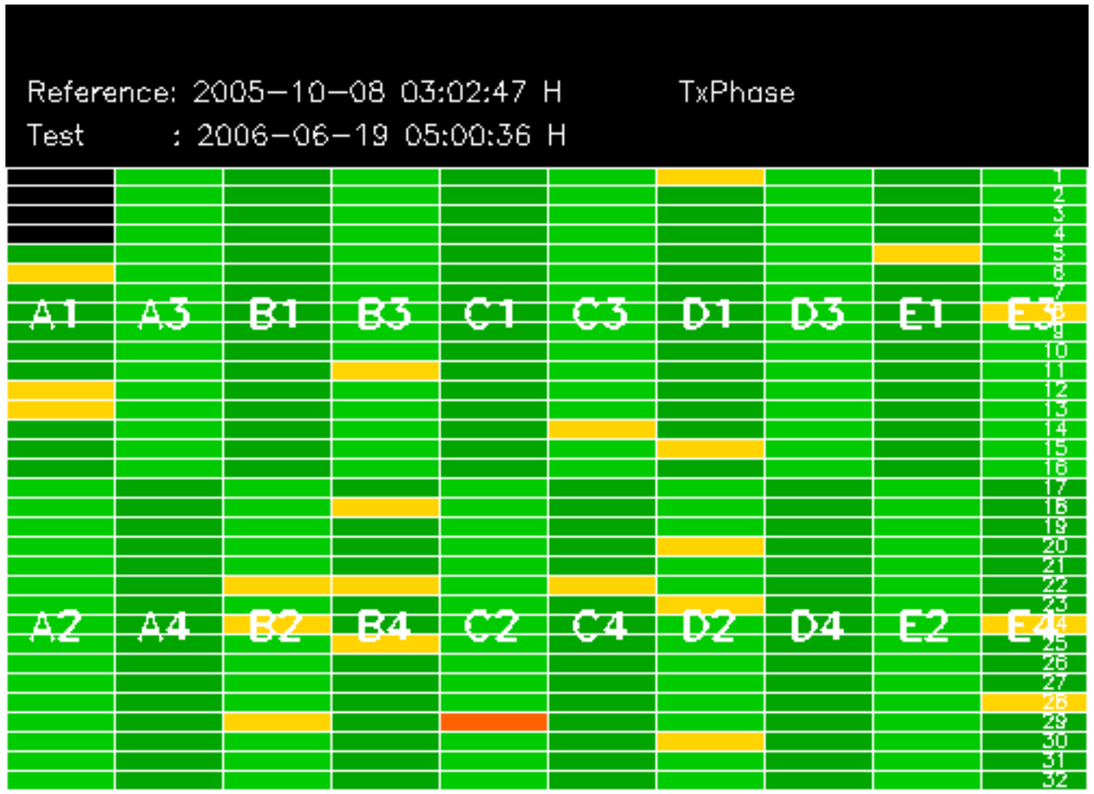
Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-06-19 05:00:36 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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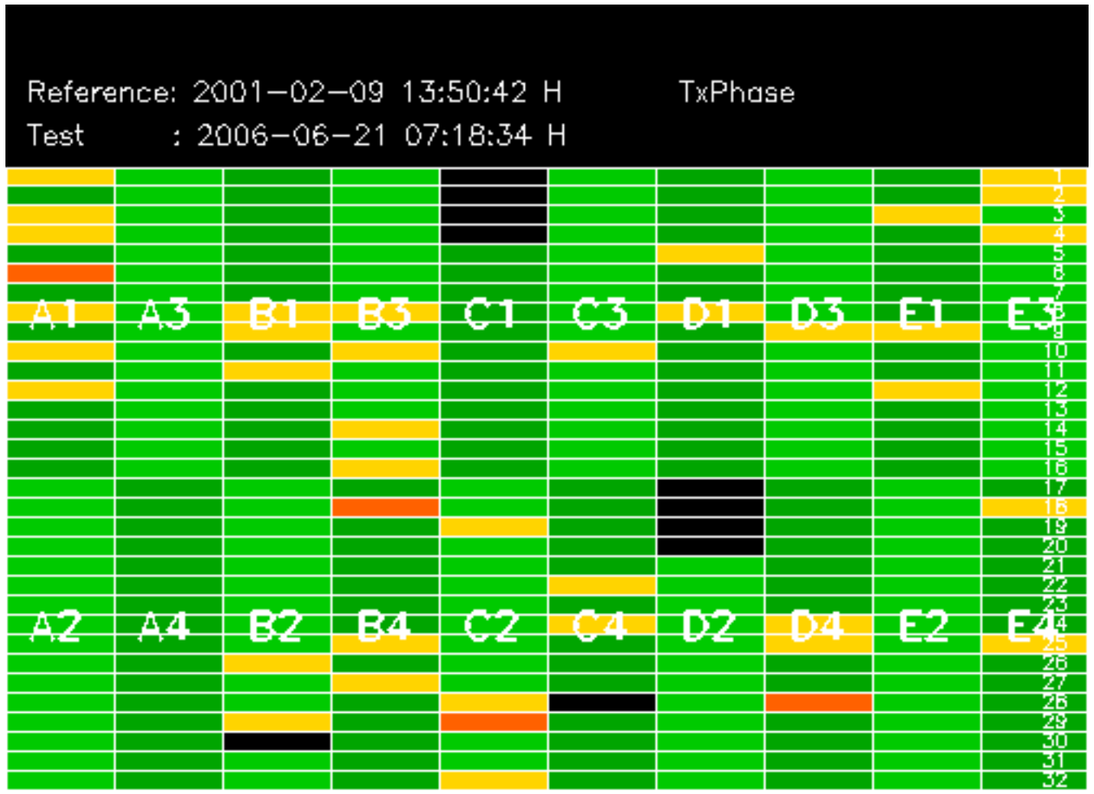
Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-06-21 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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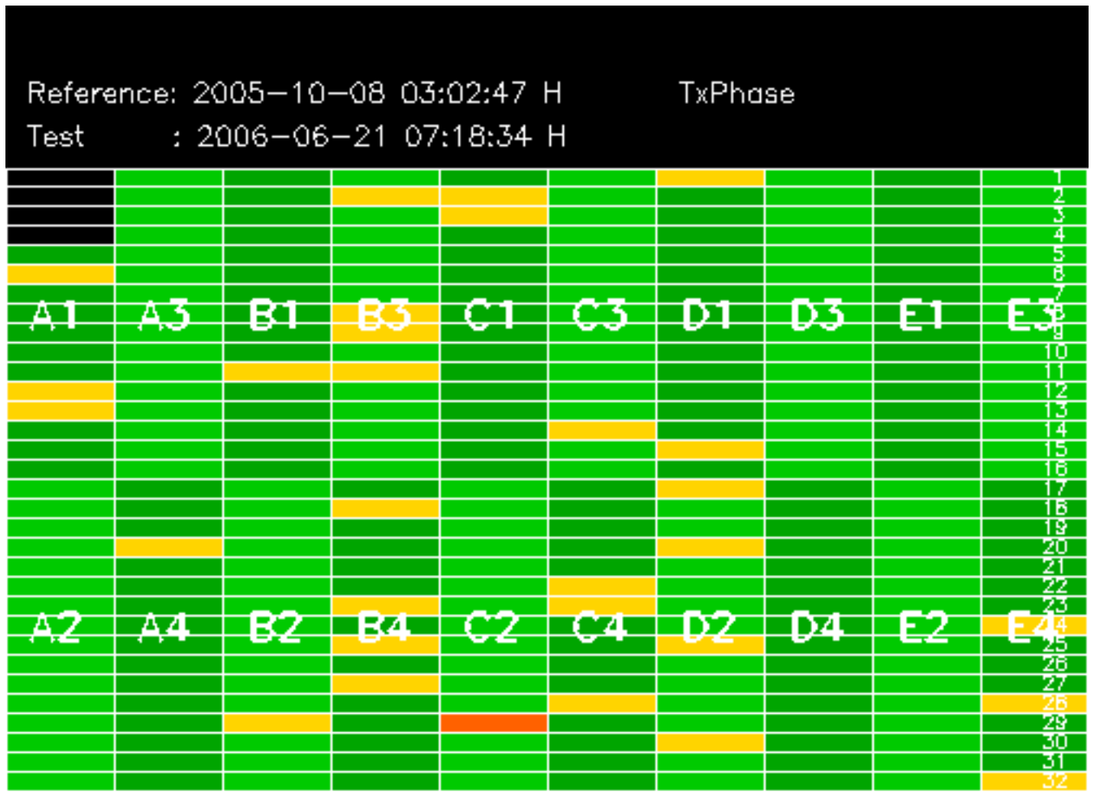
Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2006-06-21 07:18:34 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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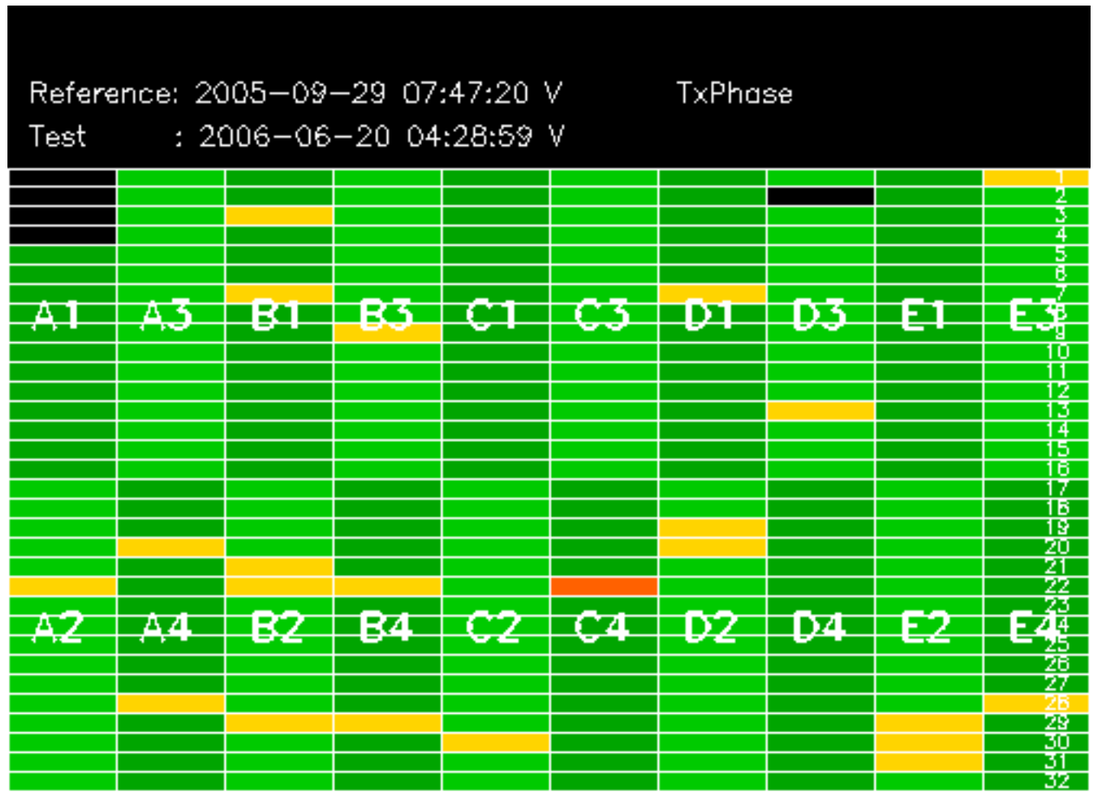
Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-06-20 04:28:59 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-20 04:28:59 V
TxPhase
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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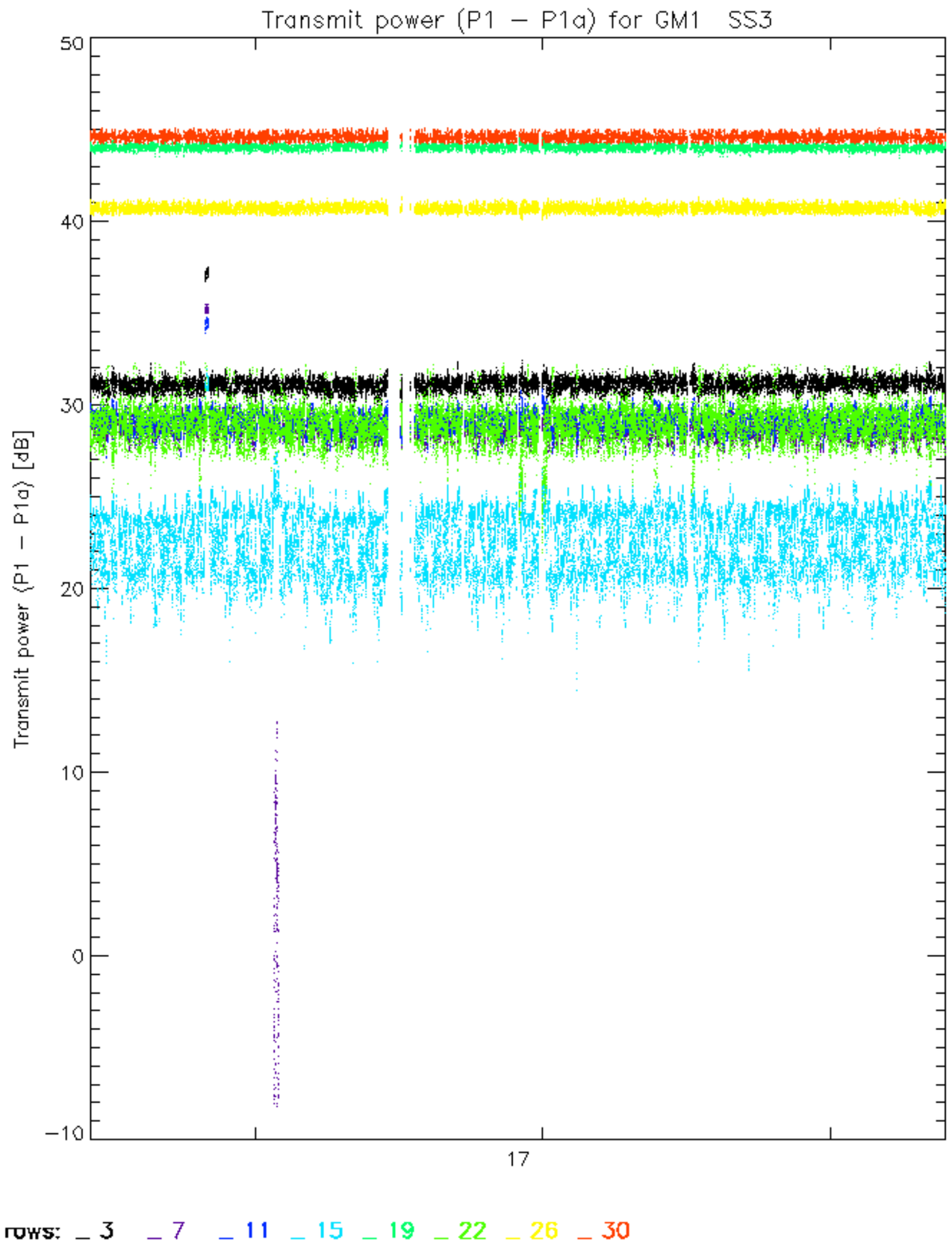
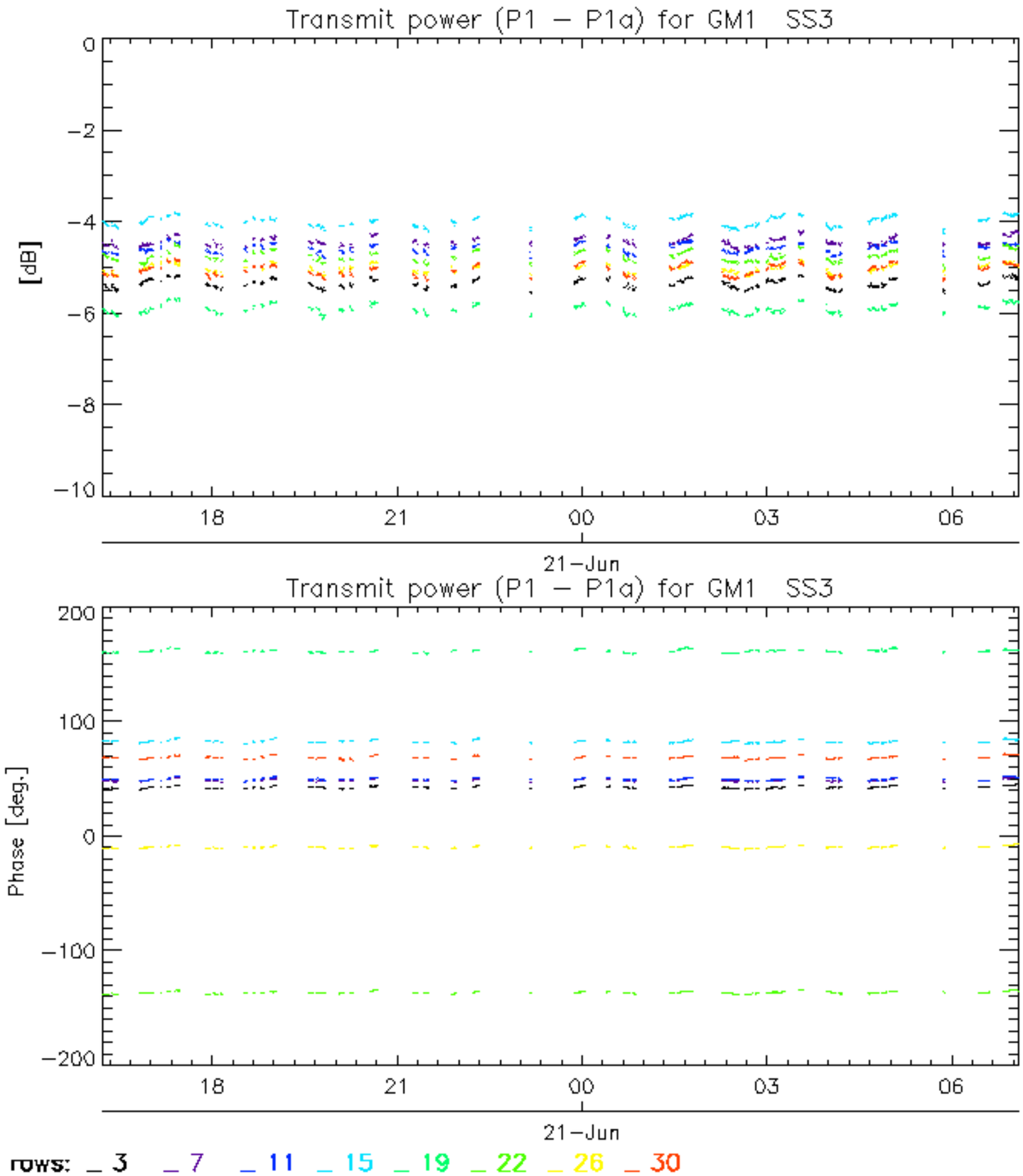
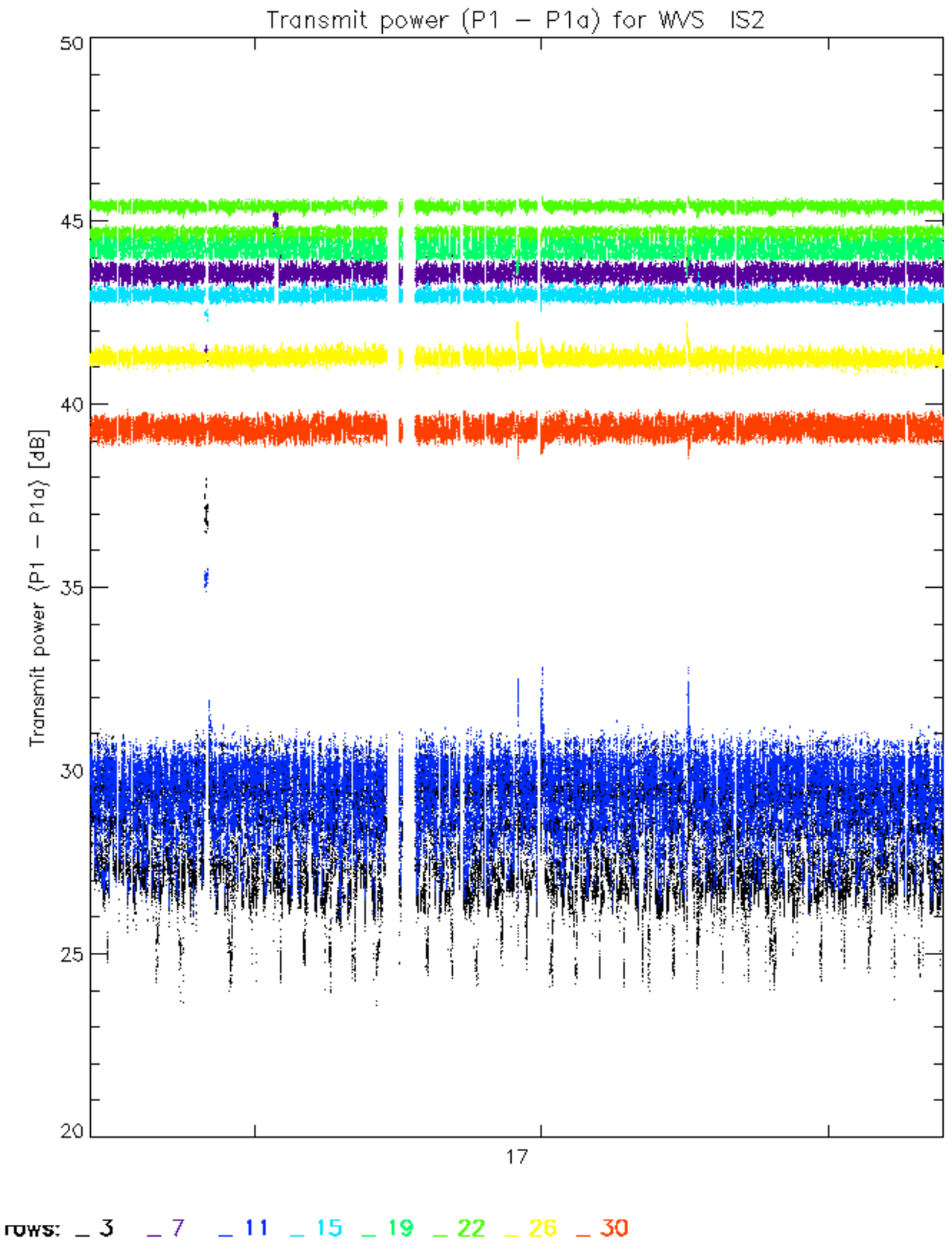
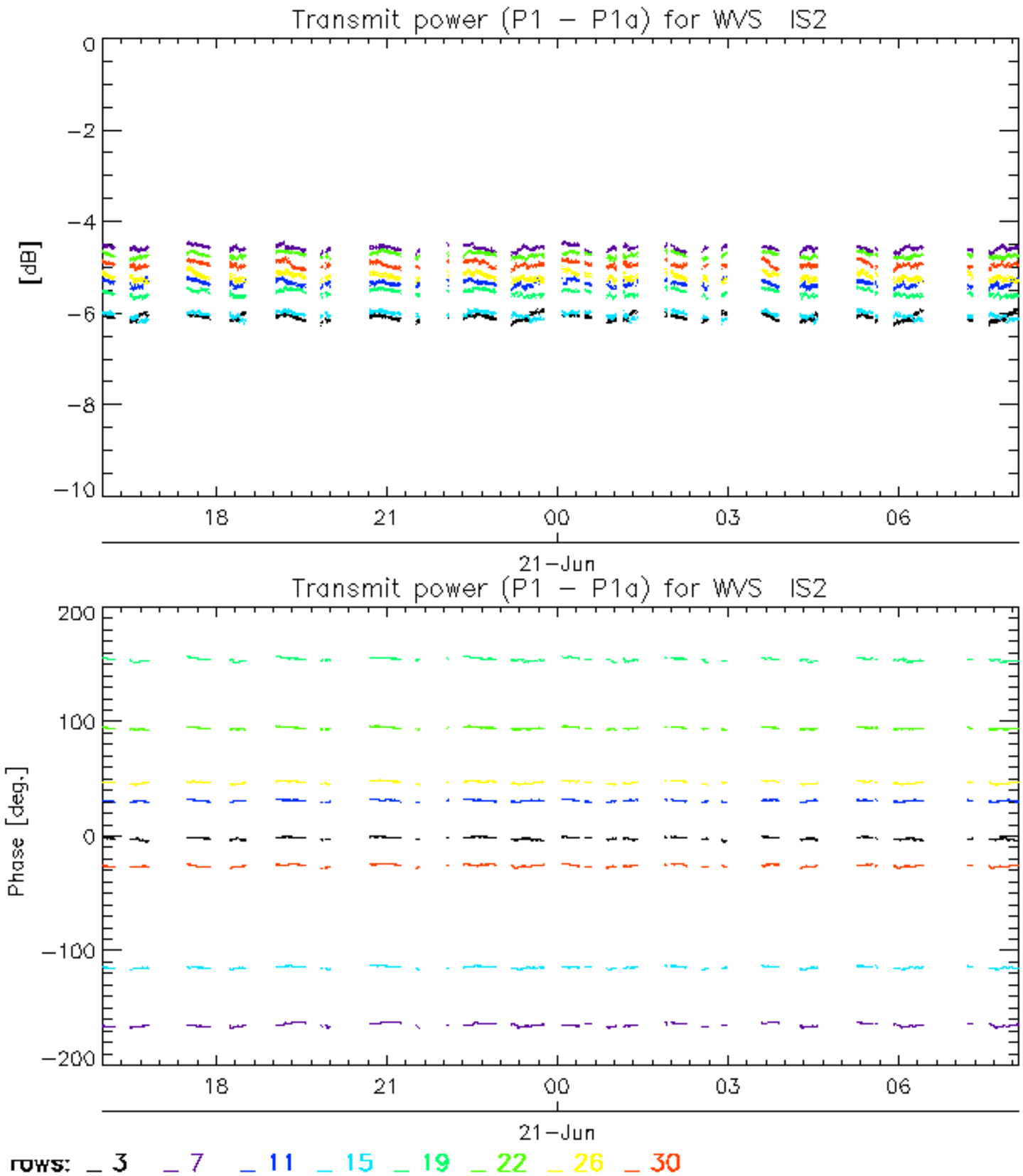

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
17
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
17
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
21−Jun
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
21−Jun
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.