PRELIMINARY REPORT OF 060630

last update on Fri Jun 30 16:49:19 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 2006-06-29 00:00:00 to 2006-06-30 16:49:19

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	44	80	15	1	16
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	44	80	15	1	16
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	44	80	15	1	16
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	80	15	1	16

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	30	41	34	21	56
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	30	41	34	21	56
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	30	41	34	21	56
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	30	41	34	21	56

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	20060630 055514
H	20060629 062651

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	-3.939852	0.046924	-0.062766
7	P1	-3.133630	0.012733	0.002329
11	P1	-4.100872	0.016309	-0.003254
15	P1	-6.158300	0.011415	-0.044096
19	P1	-3.362245	0.008665	-0.060052
22	P1	-4.522544	0.011528	-0.059280
26	P1	-3.960948	0.017287	0.026731
30	P1	-5.753169	0.008876	-0.037337
3	P1	-16.546541	0.578565	-0.188599
7	P1	-17.239288	0.112271	0.015482
11	P1	-16.972383	0.281369	-0.065532
15	P1	-13.175508	0.157593	0.016412
19	P1	-14.363928	0.051529	-0.146260
22	P1	-16.139975	0.377805	0.088545
26	P1	-15.188703	0.228665	0.101370
30	P1	-17.144747	0.407853	-0.006689

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.100904	0.082713	0.134527
7	P2	-21.992785	0.099011	0.083735
11	P2	-15.838881	0.112717	0.081008
15	P2	-7.151419	0.096343	-0.014441
19	P2	-9.163733	0.087951	0.012174
22	P2	-18.166964	0.084355	-0.024774
26	P2	-16.406651	0.090166	-0.039542
30	P2	-19.550138	0.088885	-0.008148

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.182305	0.003887	-0.024164
7	P3	-8.182305	0.003887	-0.024164
11	P3	-8.182305	0.003887	-0.024164
15	P3	-8.182305	0.003887	-0.024164
19	P3	-8.182305	0.003887	-0.024164
22	P3	-8.182305	0.003887	-0.024164
26	P3	-8.182305	0.003887	-0.024164
30	P3	-8.182305	0.003887	-0.024164

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	-3.811773	0.052281	-0.088871
7	P1	-2.574723	0.008737	0.026386
11	P1	-2.854926	0.013500	-0.007782
15	P1	-3.523155	0.027999	-0.063445
19	P1	-3.411743	0.014379	-0.030833
22	P1	-5.082832	0.019625	-0.018672
26	P1	-5.856171	0.016027	-0.028306
30	P1	-5.189128	0.026613	-0.015742
3	P1	-11.637753	0.141775	-0.083846
7	P1	-9.978220	0.033168	0.000687
11	P1	-10.234505	0.059359	-0.018871
15	P1	-10.691881	0.130551	-0.082950
19	P1	-15.538307	0.077805	-0.033711
22	P1	-20.942999	1.176168	-0.003894

26	P1	-16.436844	0.336314	0.101910
30	P1	-17.873077	0.373786	0.051878

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.773941	0.074763	0.183564
7	P2	-22.464754	0.131661	0.063050
11	P2	-11.119173	0.048420	0.080573
15	P2	-4.918787	0.049138	-0.030108
19	P2	-6.879004	0.054035	-0.020697
22	P2	-8.205133	0.043079	-0.015370
26	P2	-24.159466	0.069808	-0.089556
30	P2	-22.048773	0.056446	0.028062

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.017133	0.004751	-0.023358
7	P3	-8.017271	0.004735	-0.023253
11	P3	-8.017159	0.004750	-0.023318
15	P3	-8.017131	0.004752	-0.023290
19	P3	-8.017146	0.004750	-0.022754
22	P3	-8.017267	0.004740	-0.022886
26	P3	-8.017297	0.004745	-0.023124
30	P3	-8.017194	0.004724	-0.023221

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

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4.3.2 - Evolution for GM1

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000566467
	stdev	1.67257e-07
MEAN Q	mean	0.000528948
	stdev	2.18511e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.137485
	stdev	0.00116270
STDEV Q	mean	0.137845
	stdev	0.00118050

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006062[890]
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_IMM_1PNPDE20060628_004521_000001932049_00016_22615_0034.N1	1	0
ASA_IMM_1PNPDE20060628_010203_000000692049_00017_22616_0025.N1	1	0
ASA_IMM_1PNPDE20060628_155408_000000412049_00025_22624_0069.N1	1	0
ASA_IMM_1PNPDE20060629_125213_000000502049_00038_22637_0120.N1	1	0

ASA_GM1_1PNPDK20060628_092952_000005862049_00022_22621_0014.N1	0	7
ASA_GM1_1PNPDK20060628_174527_000005672049_00027_22626_0046.N1	0	6
ASA_WSM_1PNPDE20060628_113740_000000862049_00023_22622_0179.N1	0	47
ASA_WSM_1PNPDE20060628_223813_000002452049_00030_22629_0252.N1	0	17
ASA_WSM_1PNPDE20060629_184756_000002082049_00042_22641_0407.N1	0	6
ASA_WSM_1PNPDK20060620_082754_000000862048_00408_22506_7972.N1	0	58

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

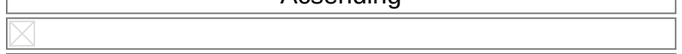
Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

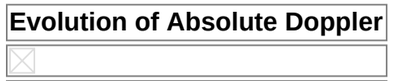
Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

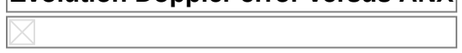
Acsending

Descending

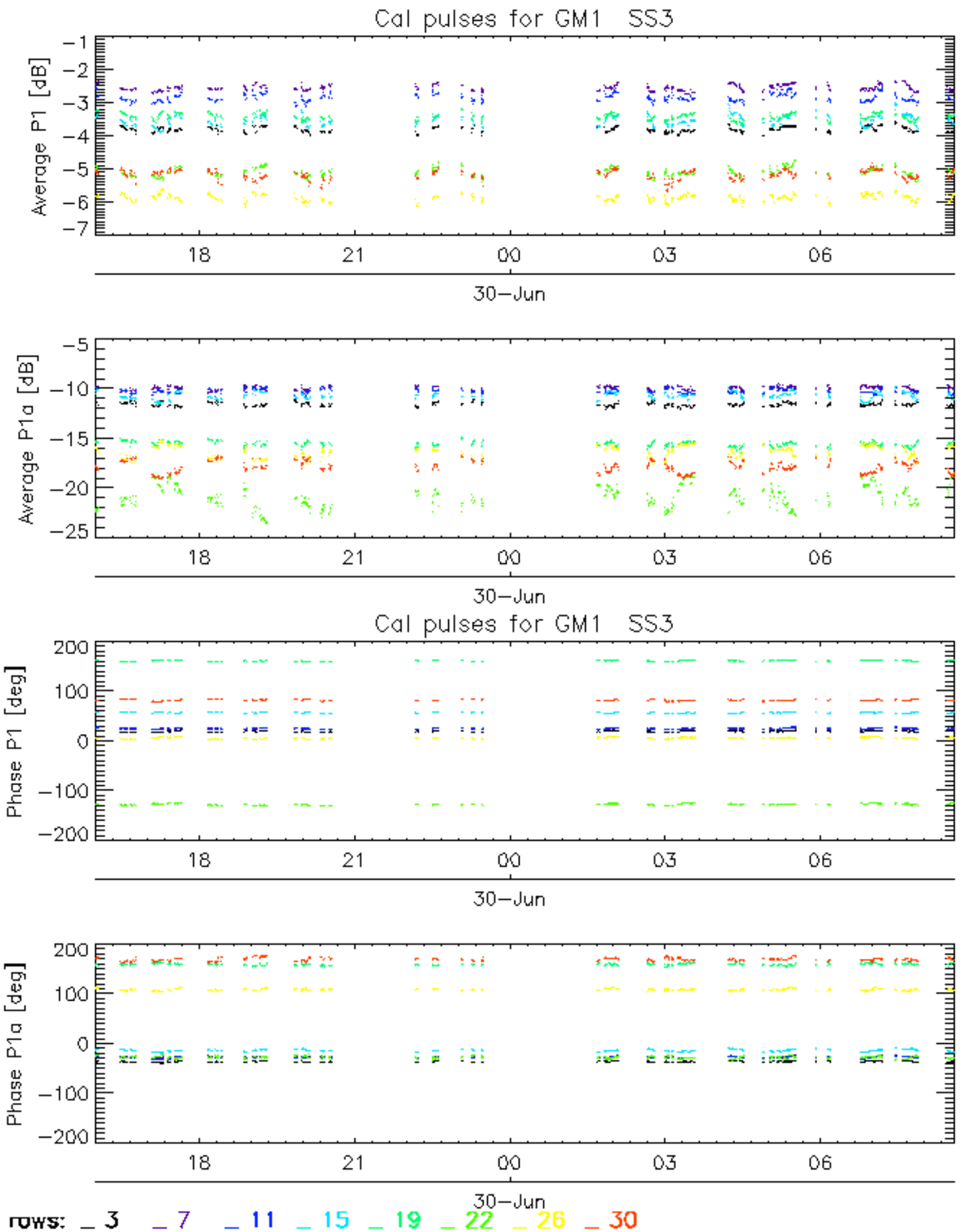
7.5 - Absolute Doppler for GM1

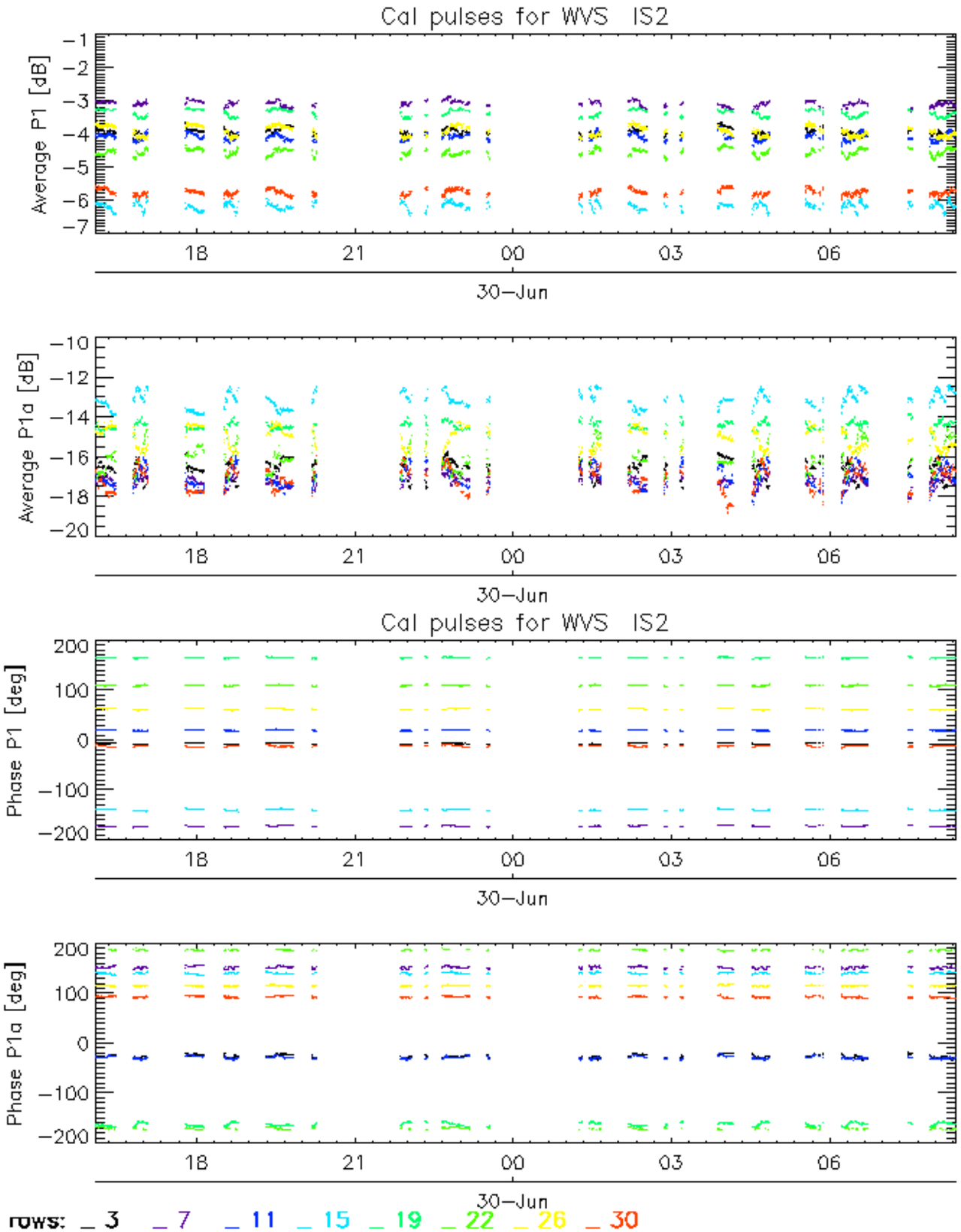
Evolution of Absolute Doppler

Acsending

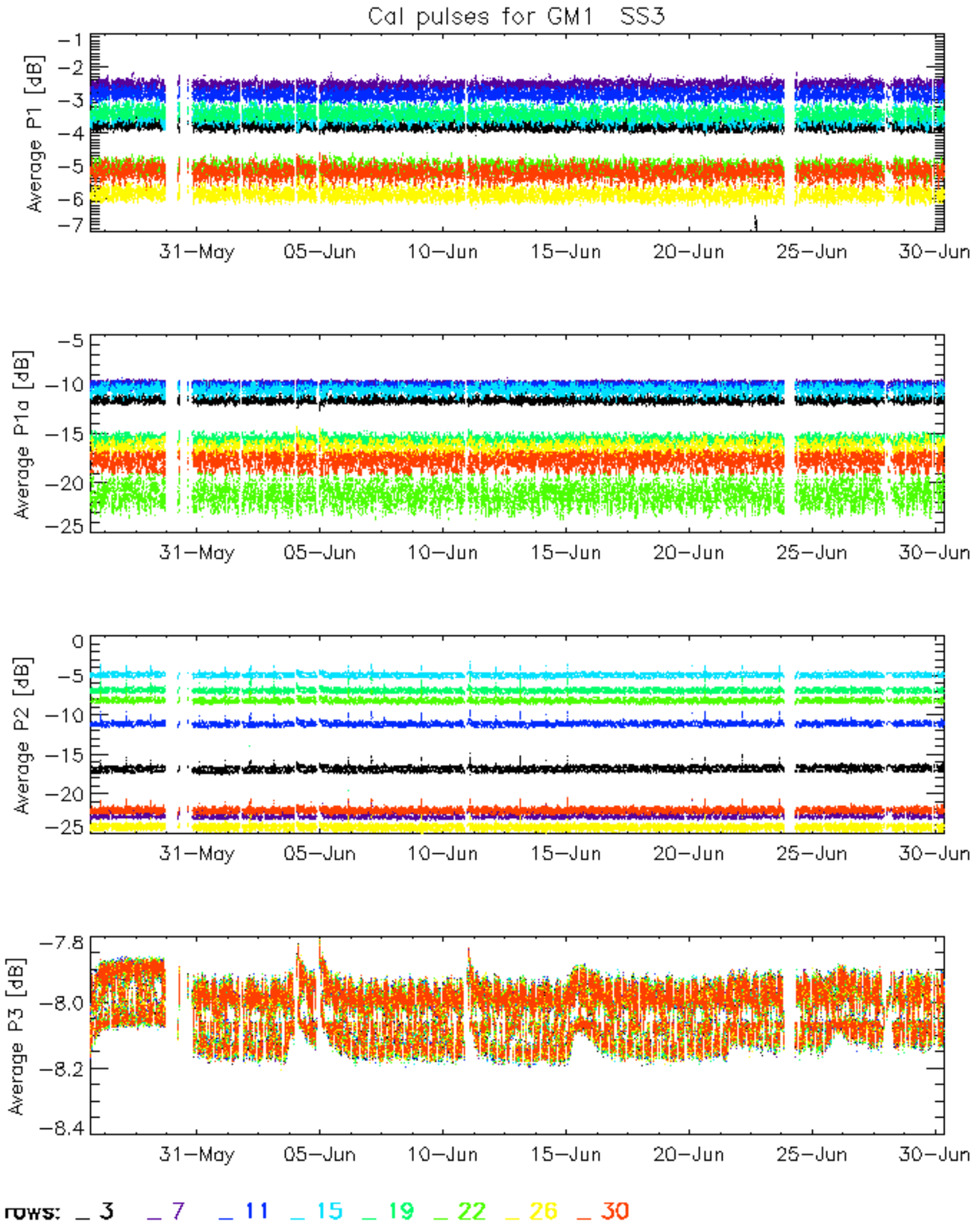
Descending

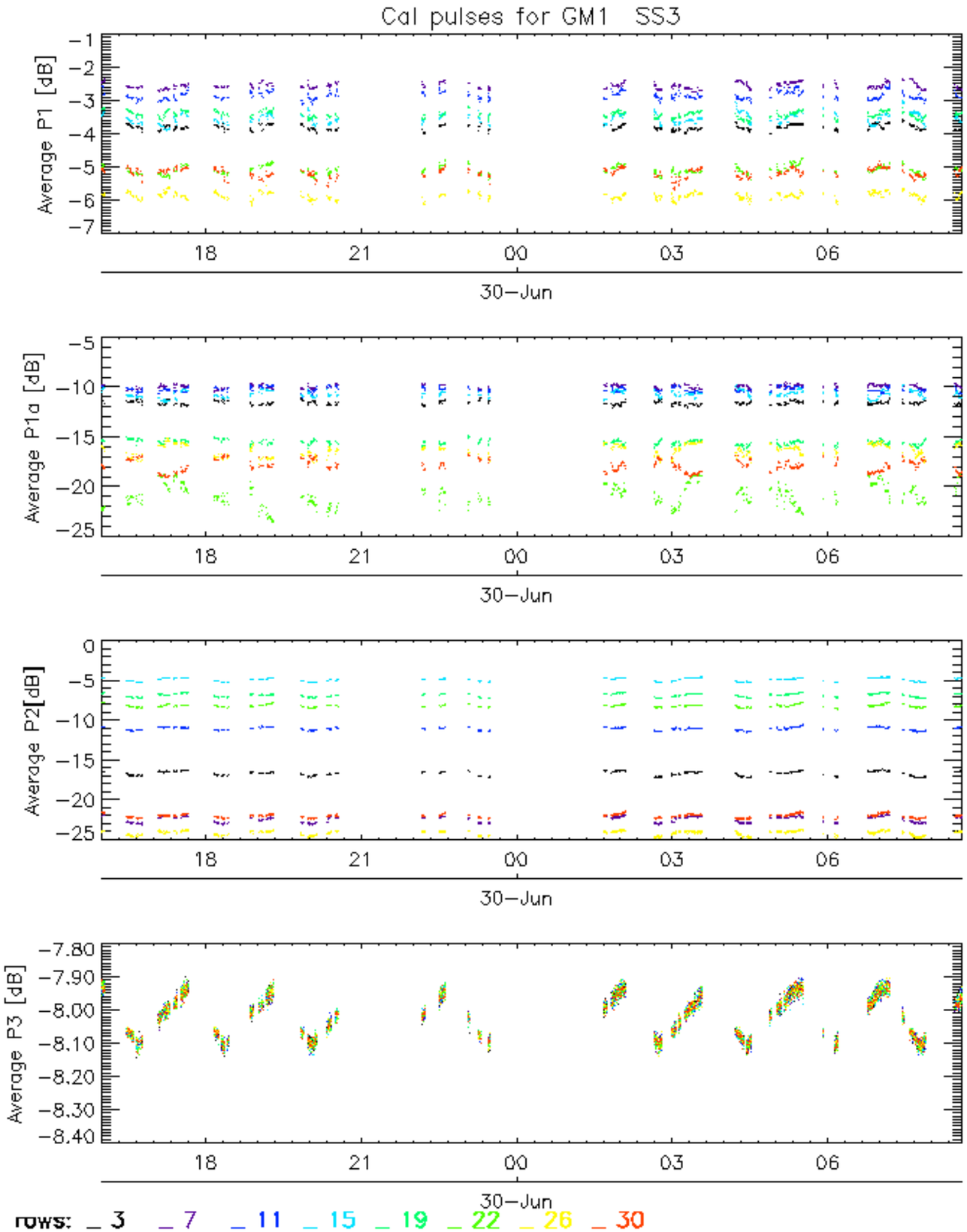
7.6 - Doppler evolution versus ANX for GM1

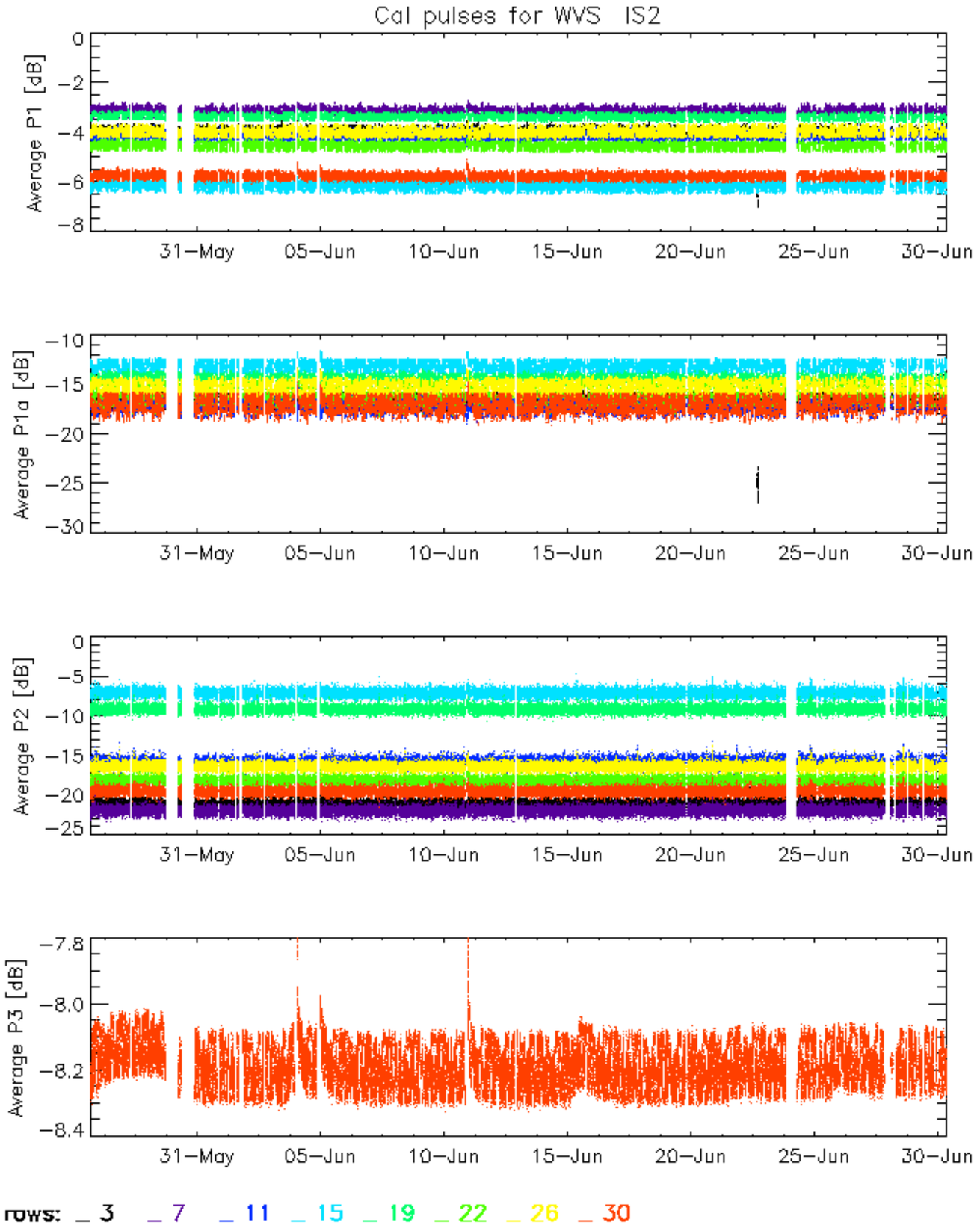
Evolution Doppler error versus ANX


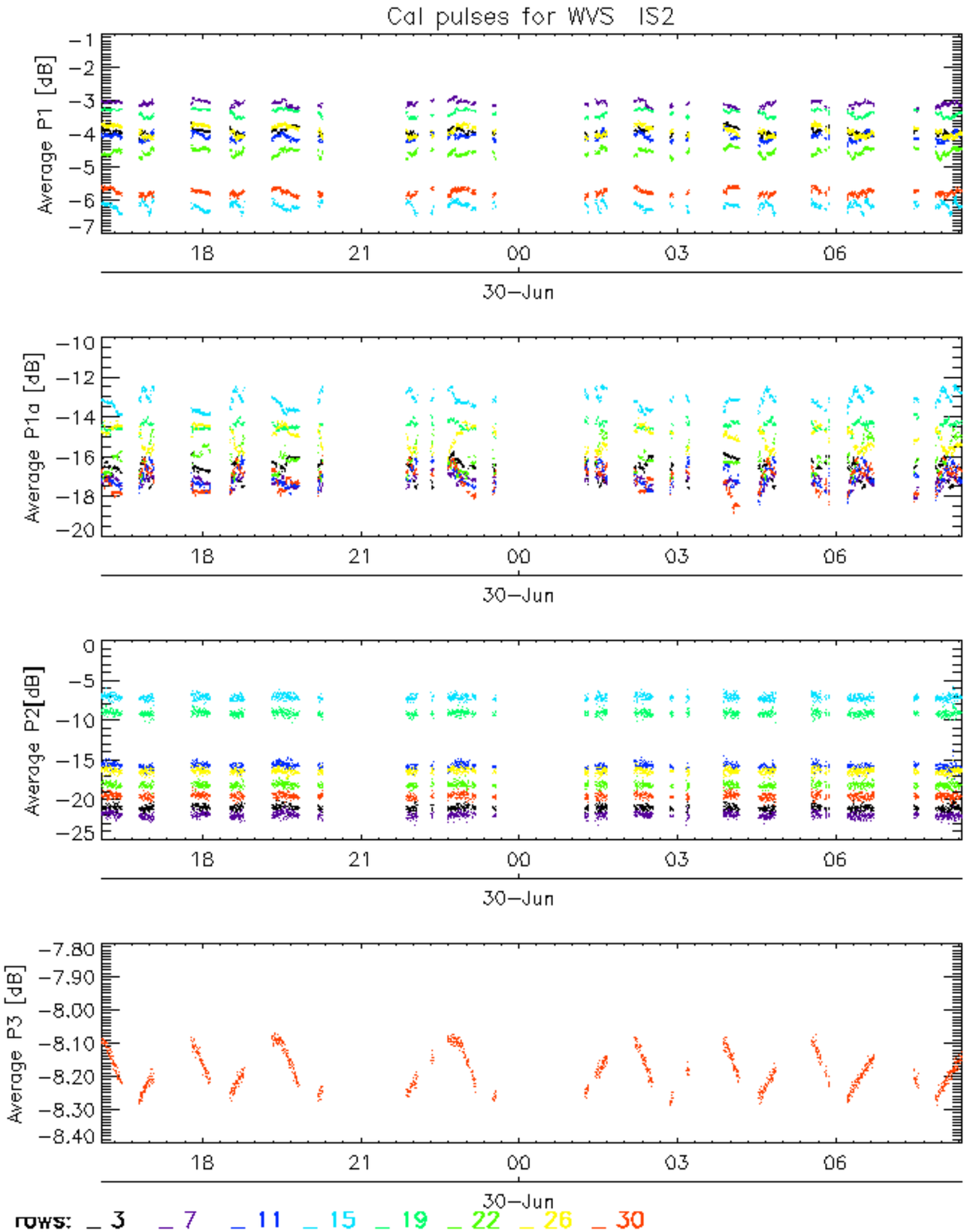

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
30−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
30−Jun
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
30−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
30−Jun
rows: 3 7 11 15 19 22 26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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
30−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
30−Jun
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
30−Jun
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
30−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
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

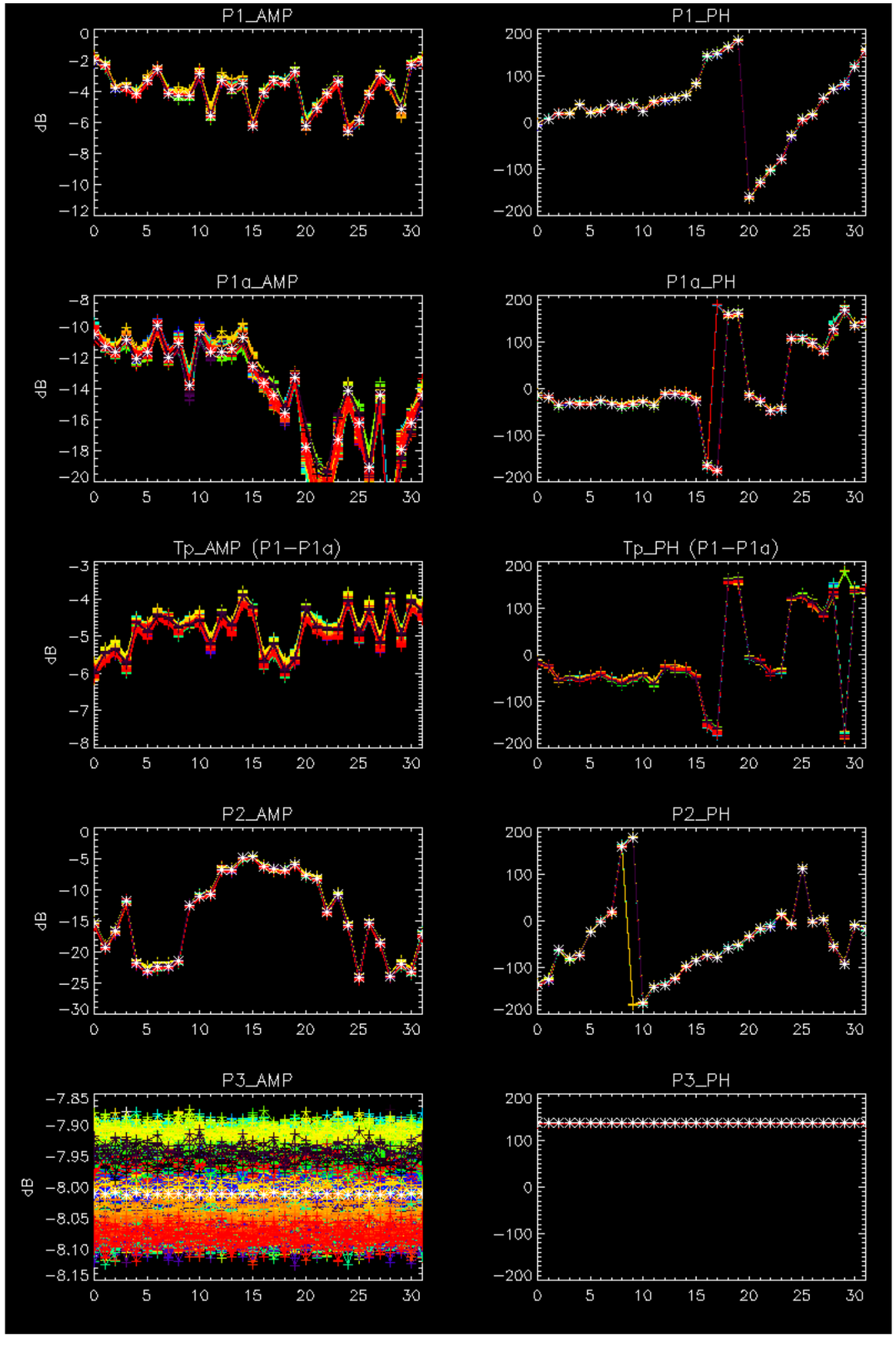

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
30−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
30−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
30−Jun
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
30−Jun
rows: _ 3 _ 7 _ 11 _ 15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

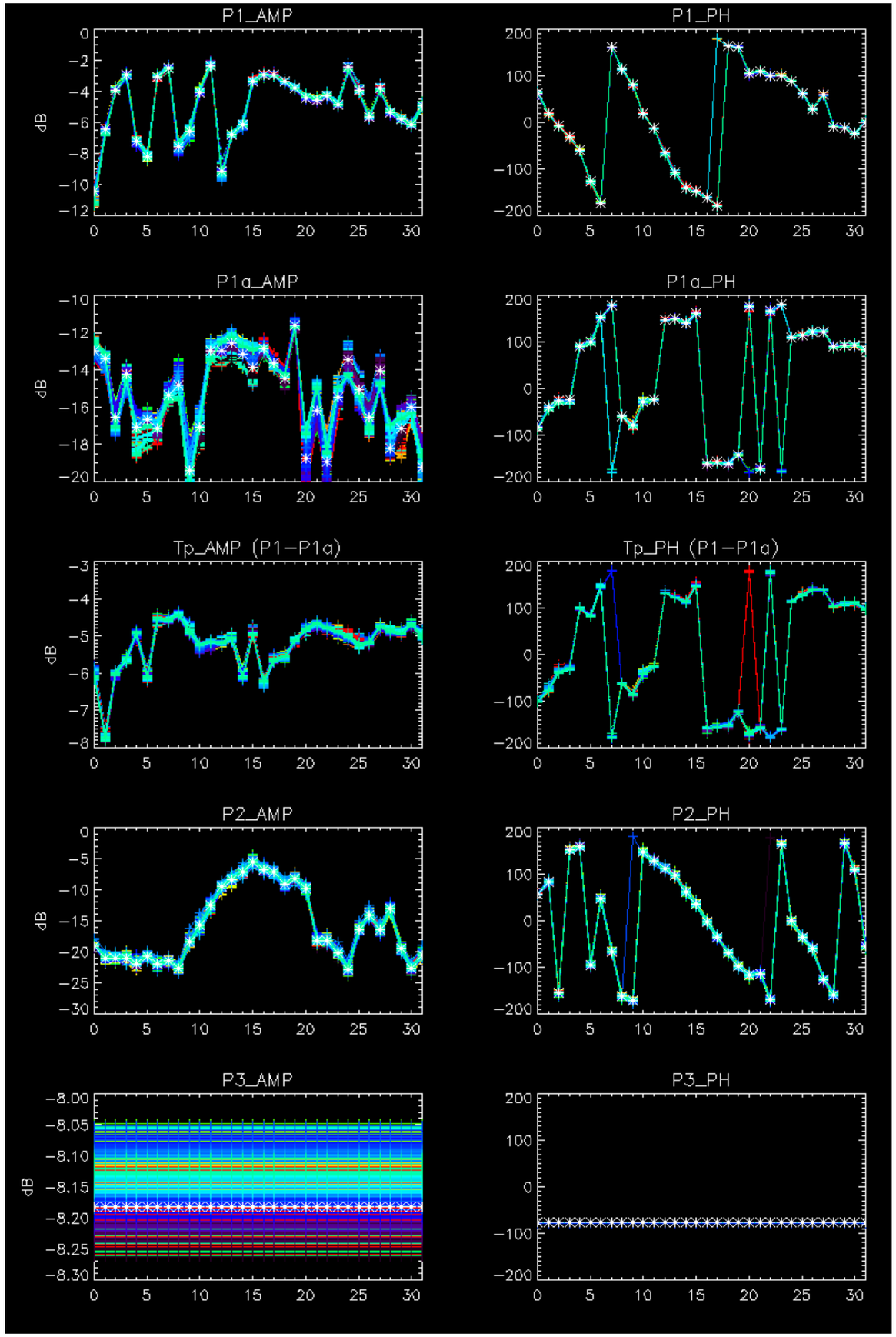

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun
Average P1a [dB]
−10
−15
−20
−25
−30
Average P2 [dB]
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

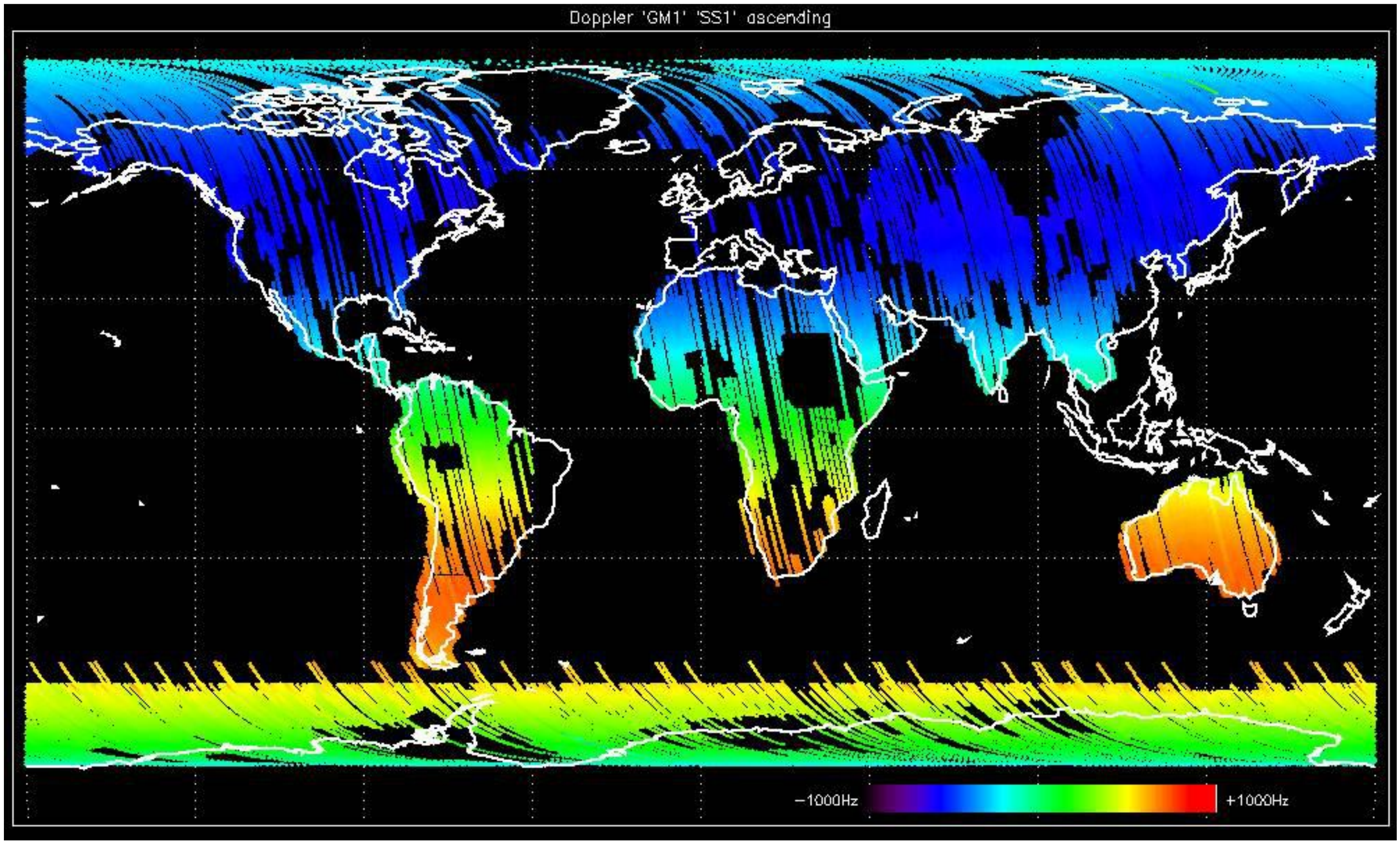
No anomalies observed.

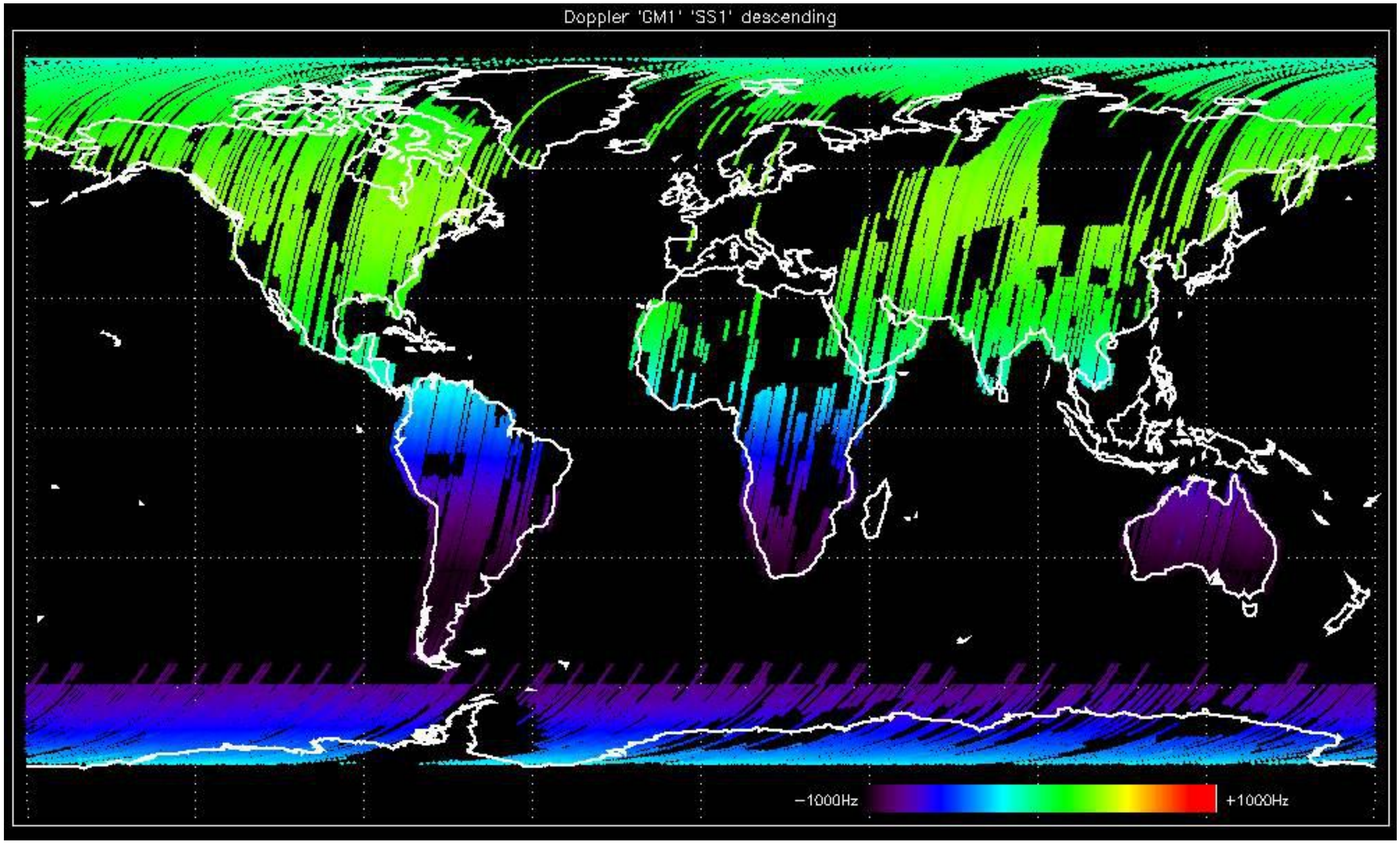

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

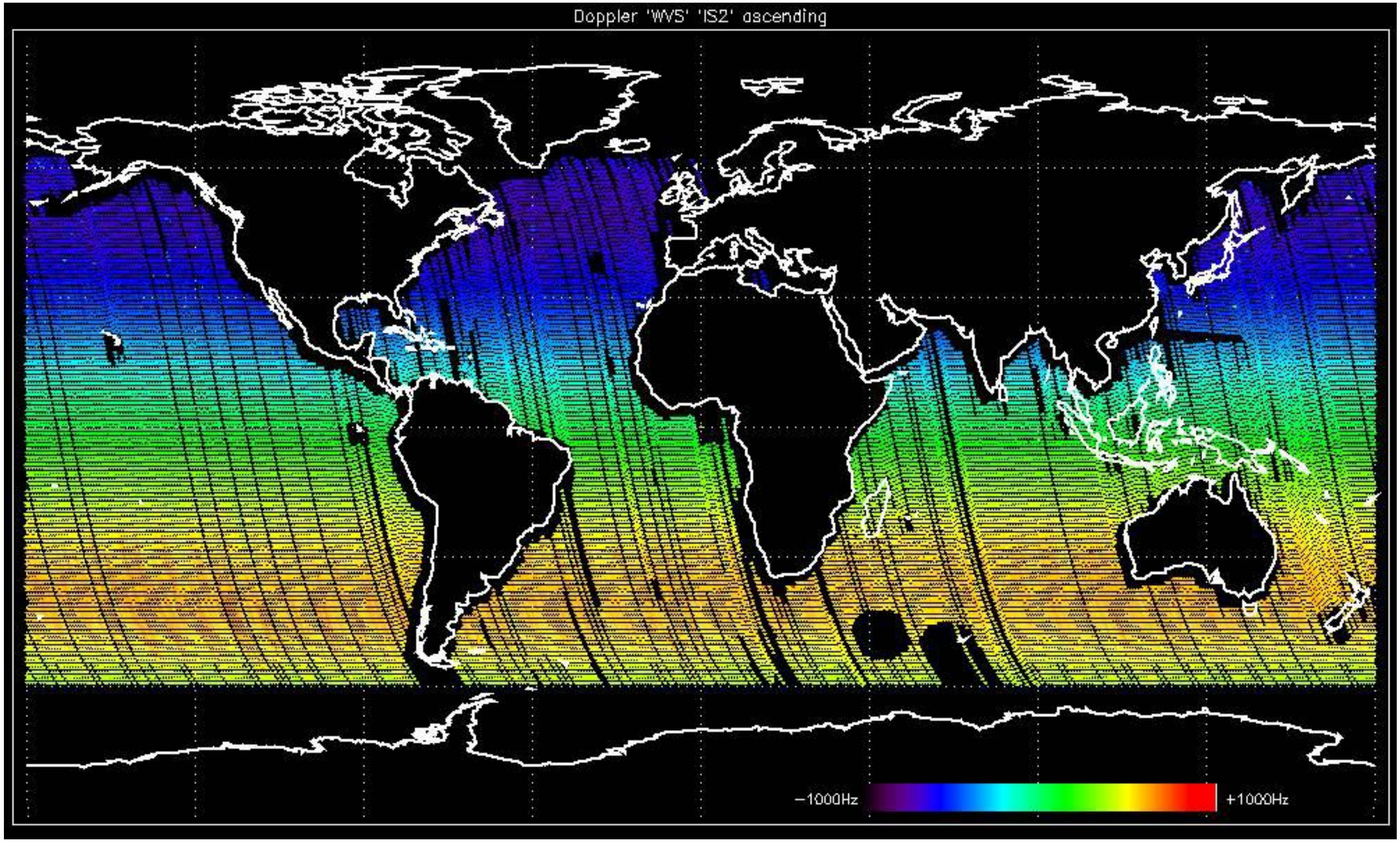

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

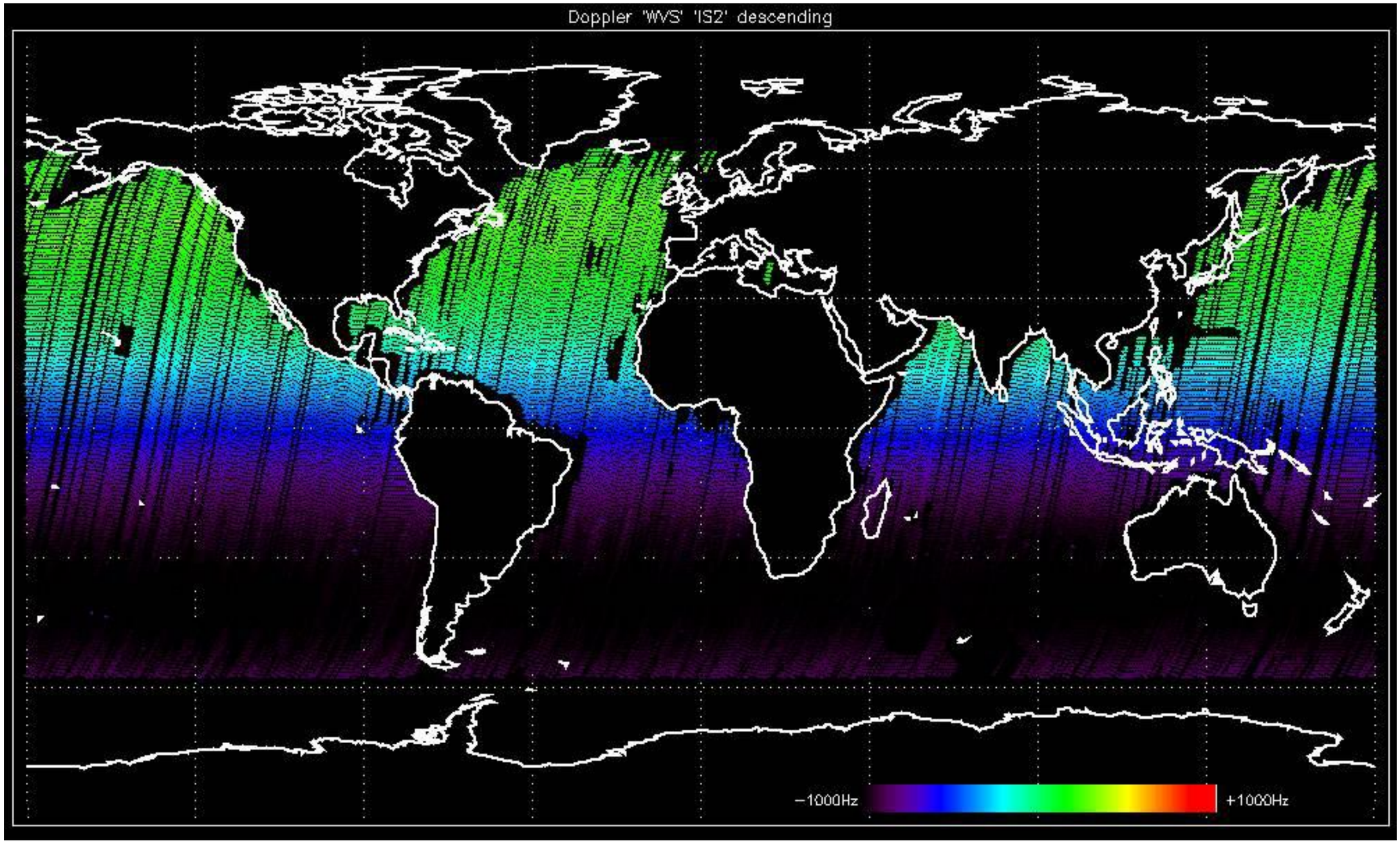
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

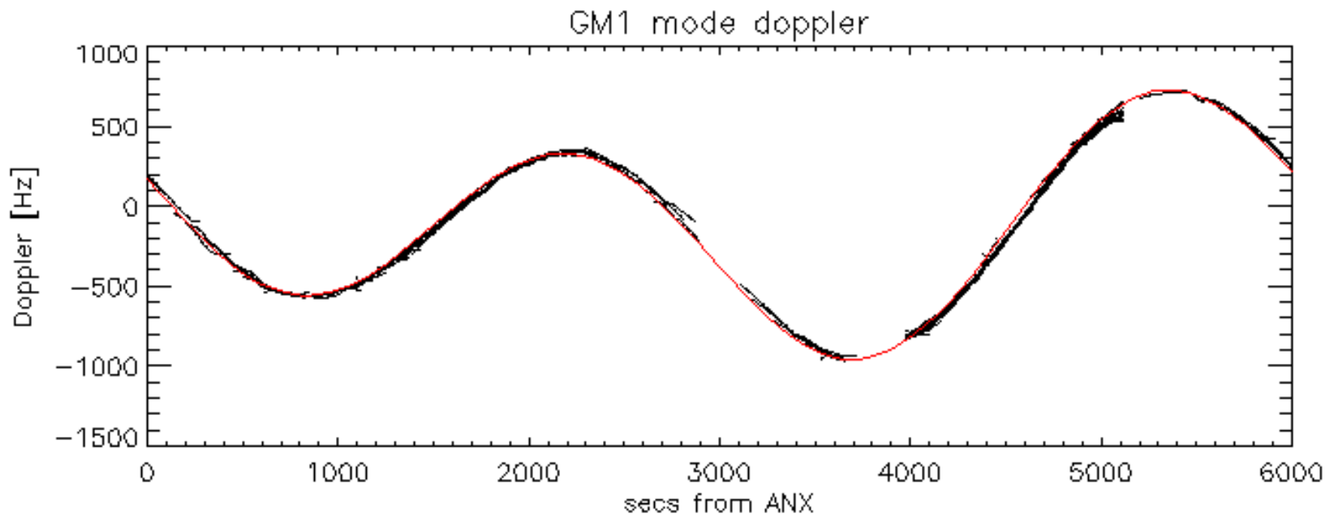
Preliminary report.The data is not yet controled

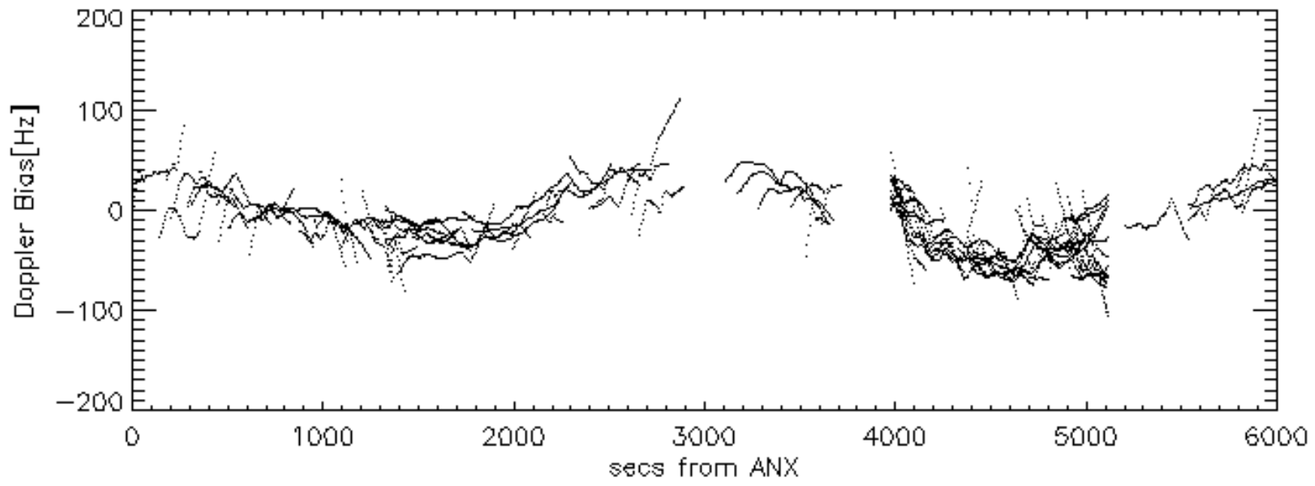

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

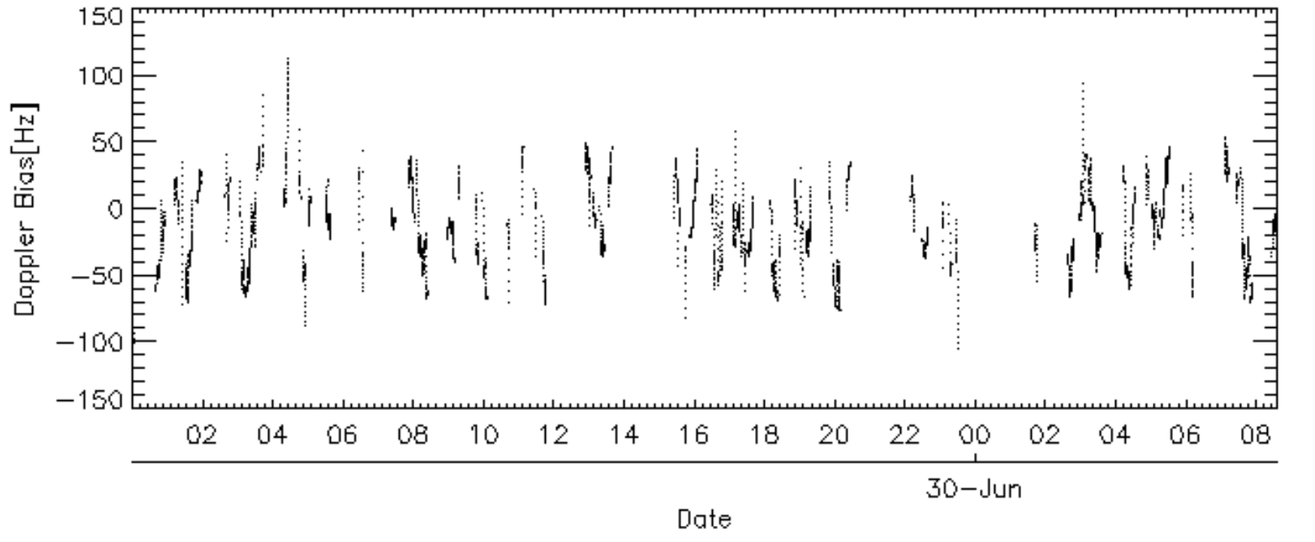

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

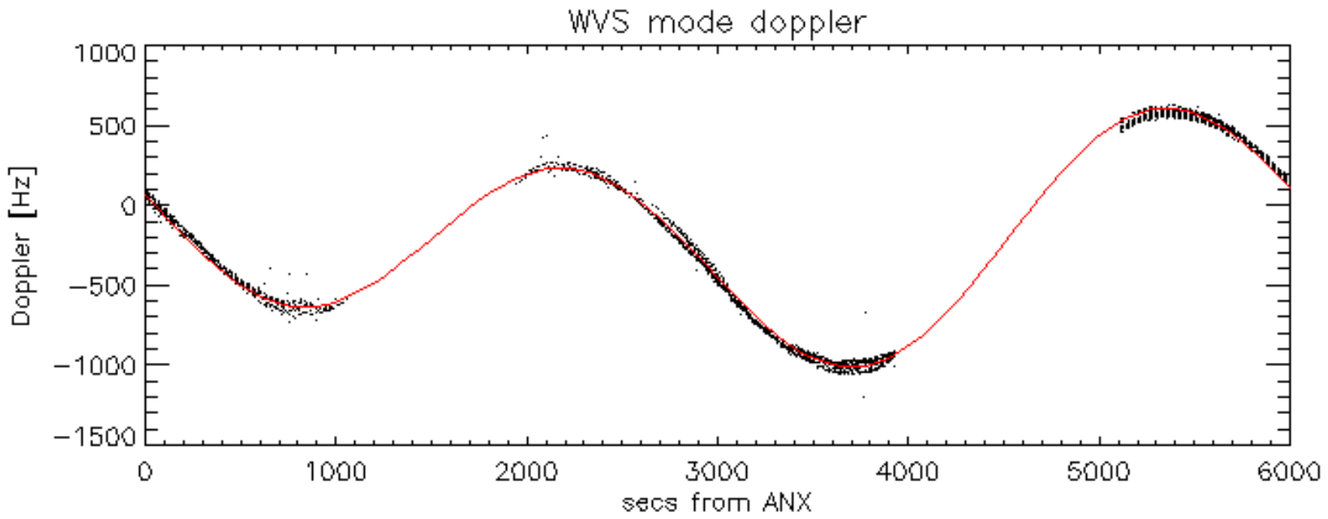

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

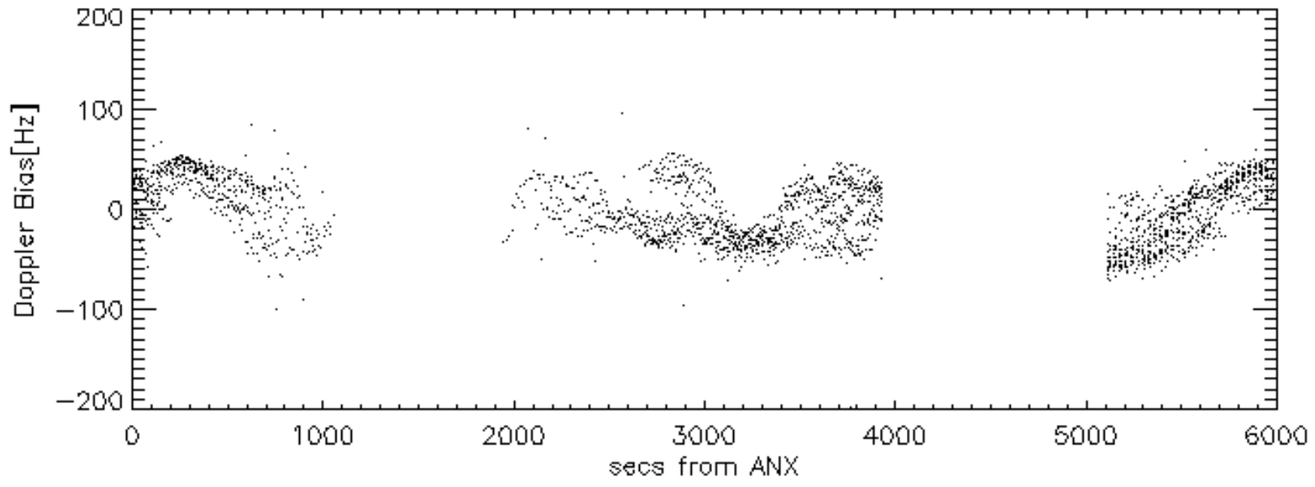

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

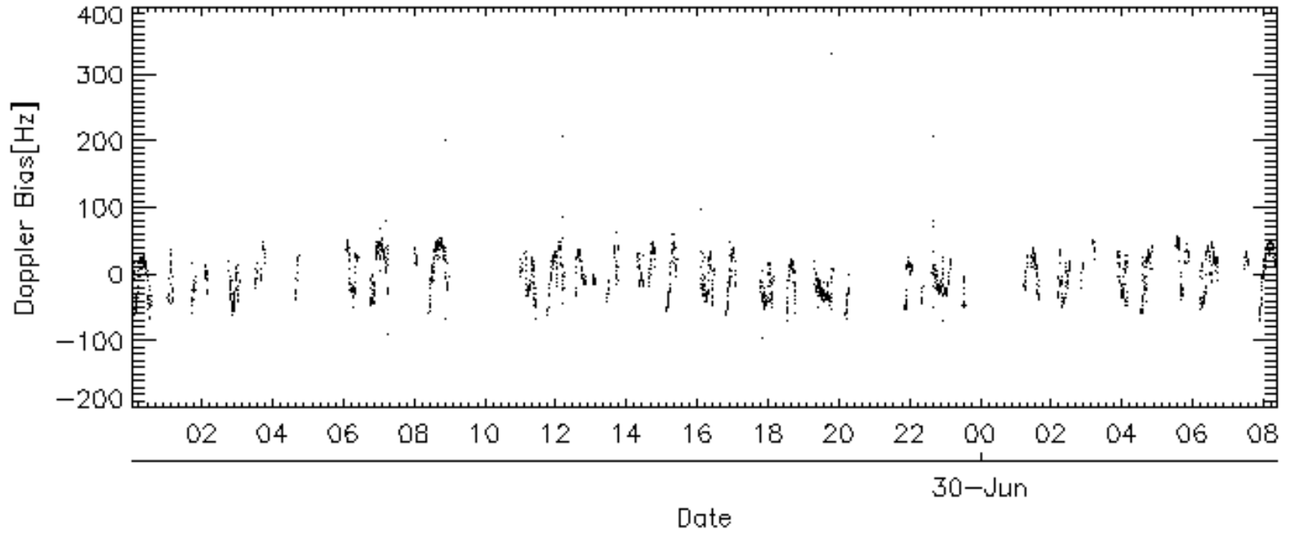

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

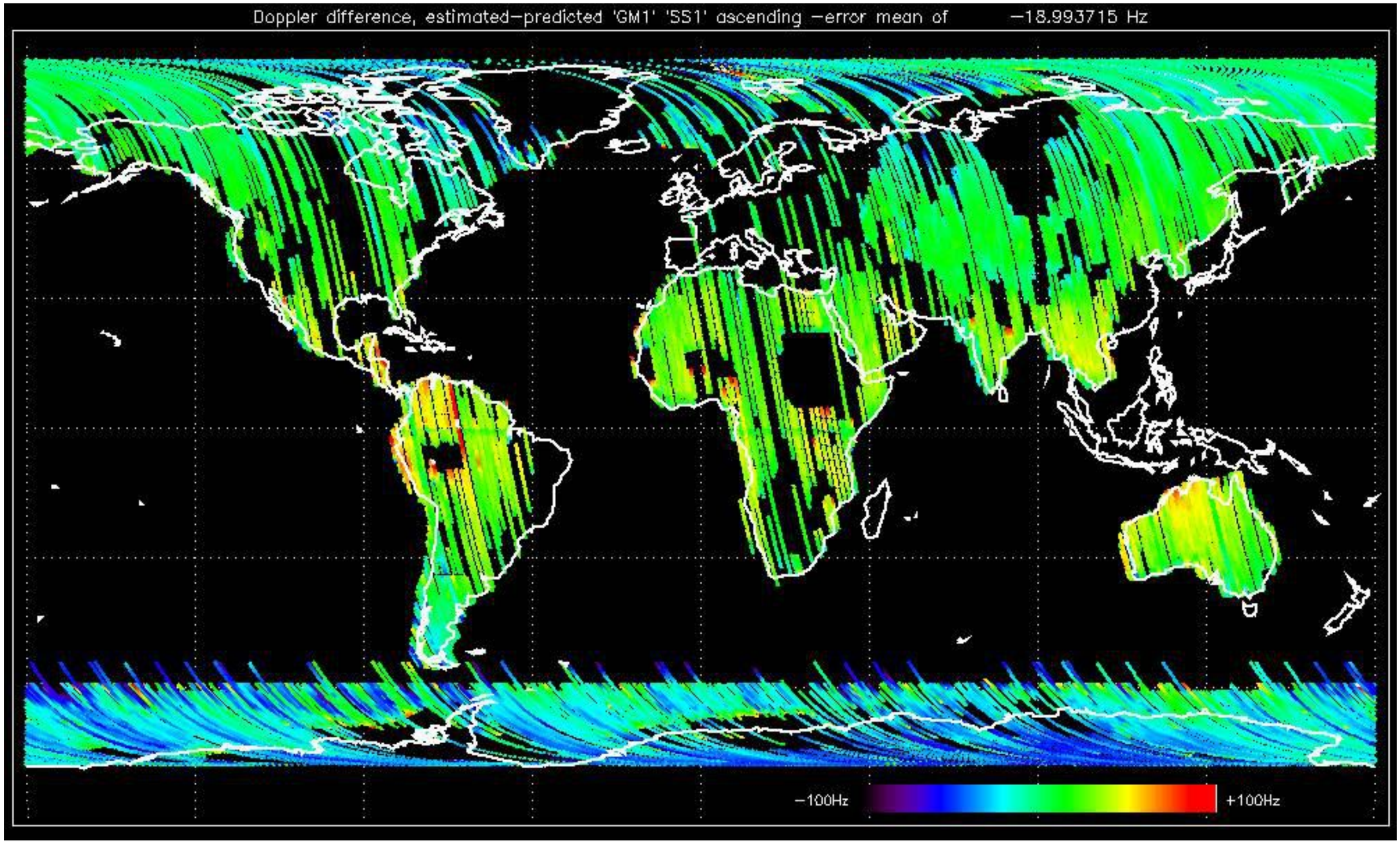

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

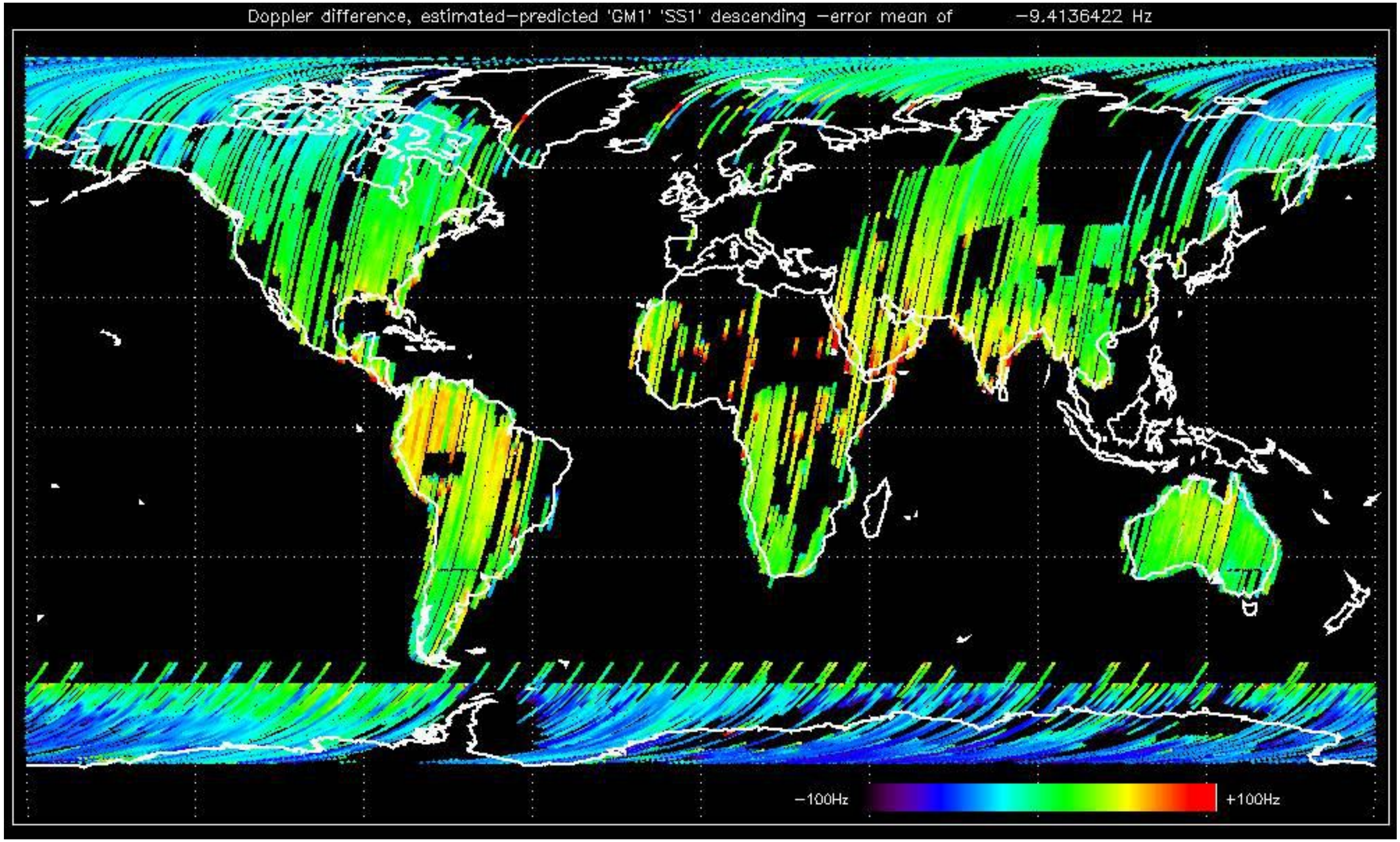

Doppler Bias[Hz]
150
100
50
0
−50
−100
−150
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
30−Jun
Date

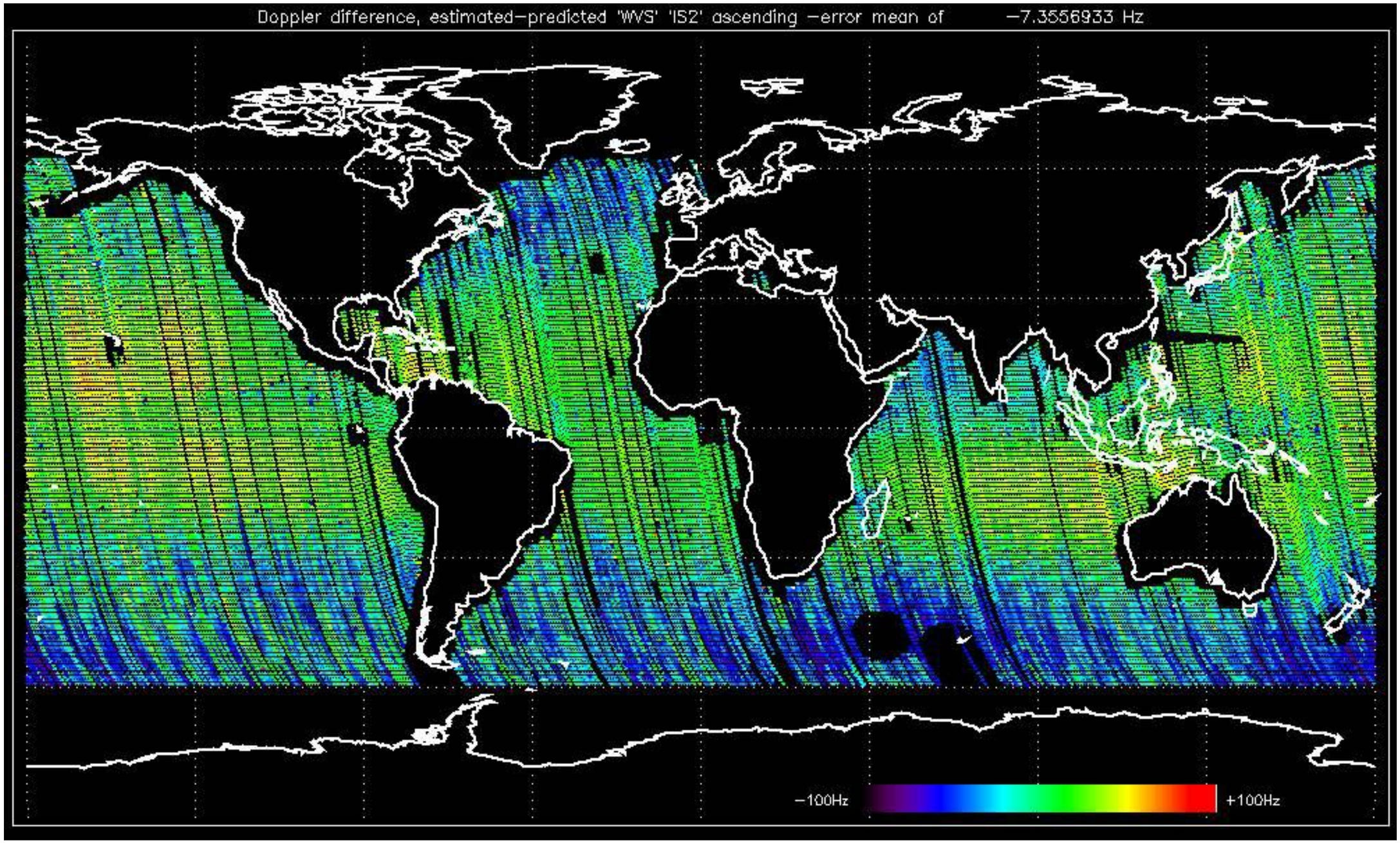

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

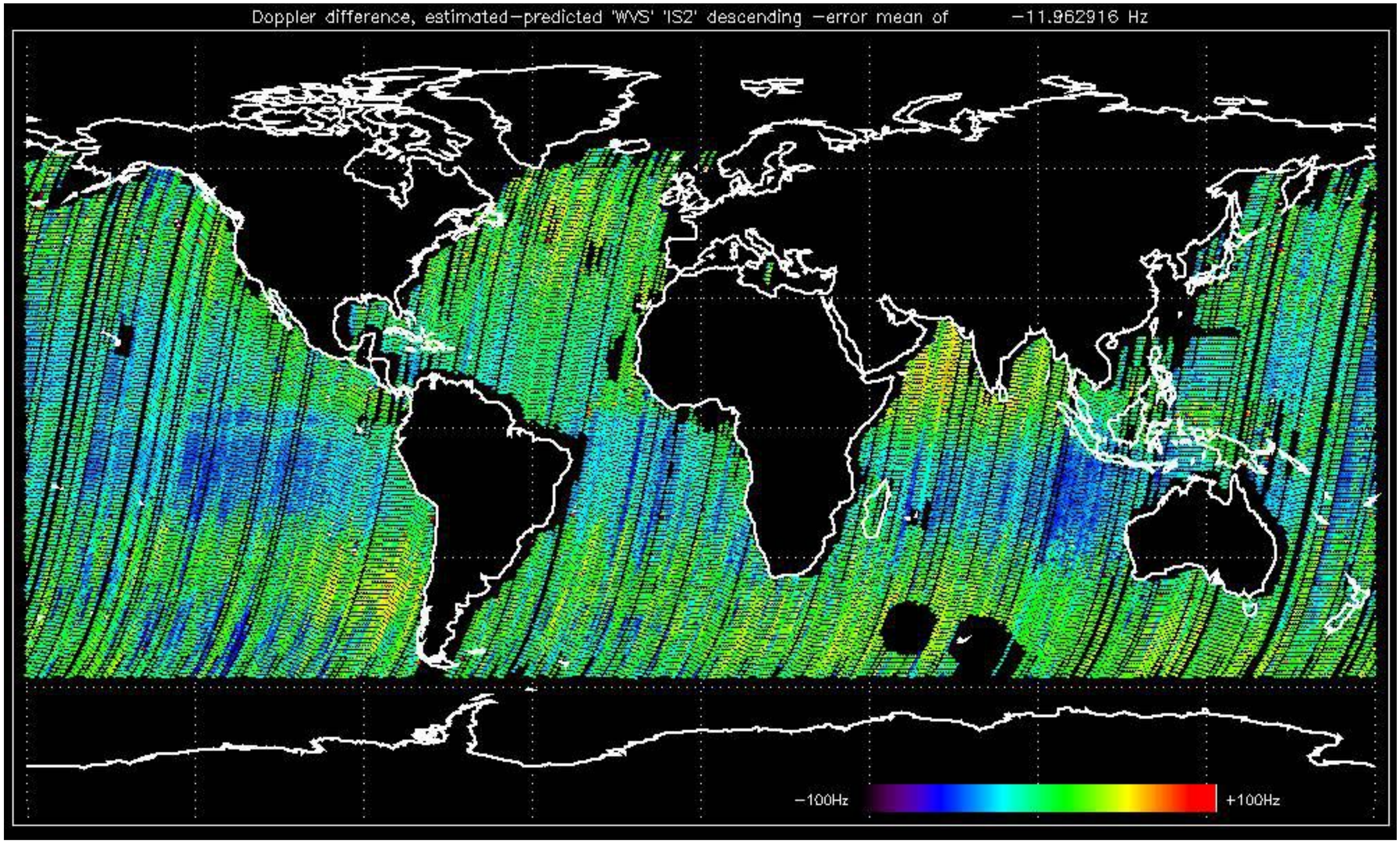

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.993715 Hz
−100Hz
+100Hz

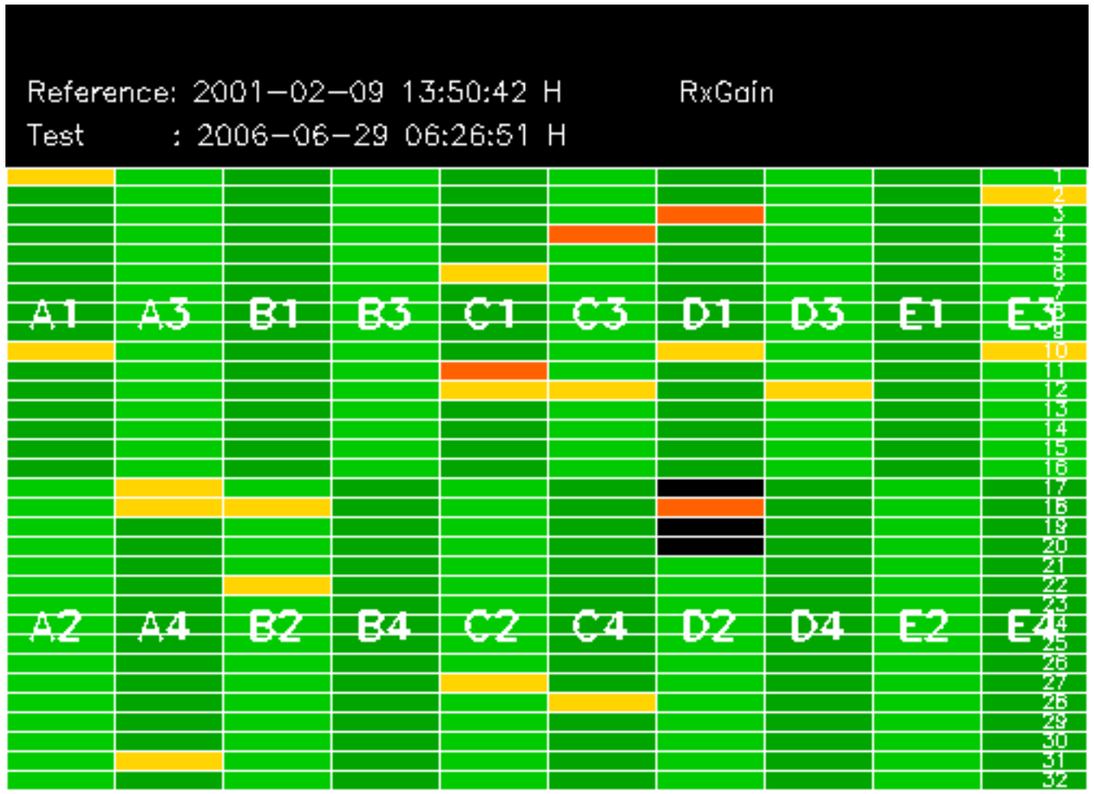

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −9.4136422 Hz
−100Hz
+100Hz

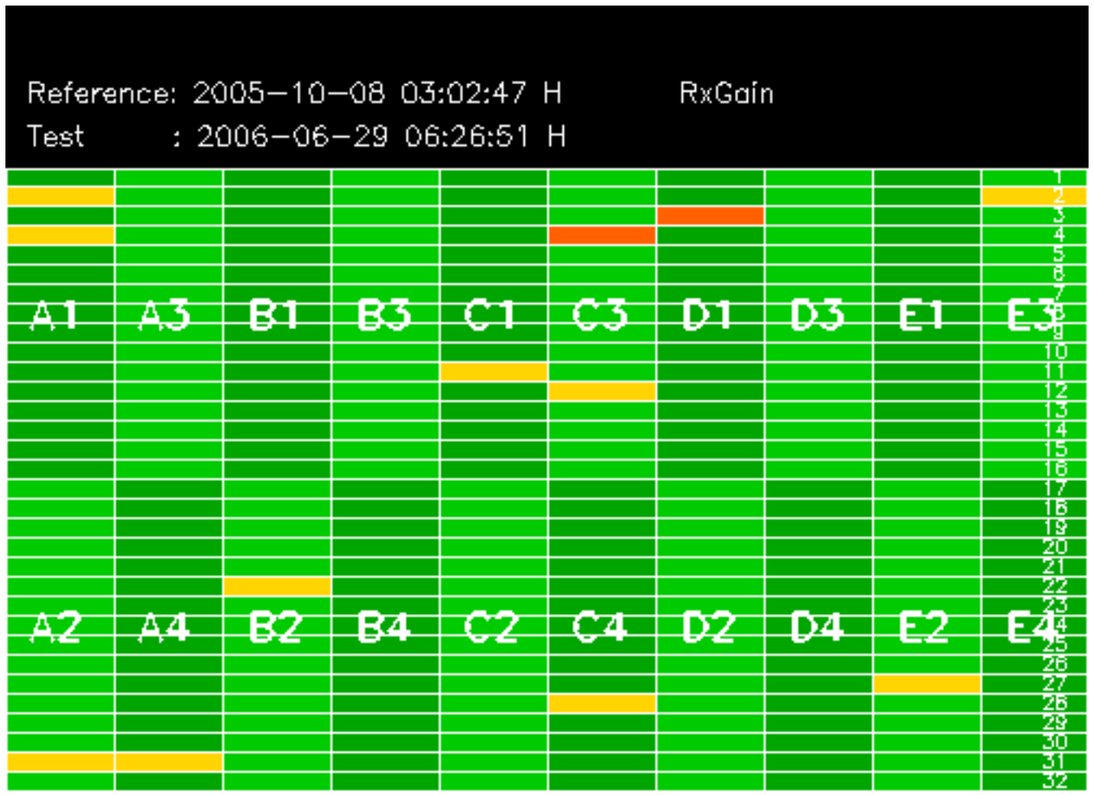

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −7.3556933 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.962916 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-29 06:26:51 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 : 2006-06-29 06:26:51 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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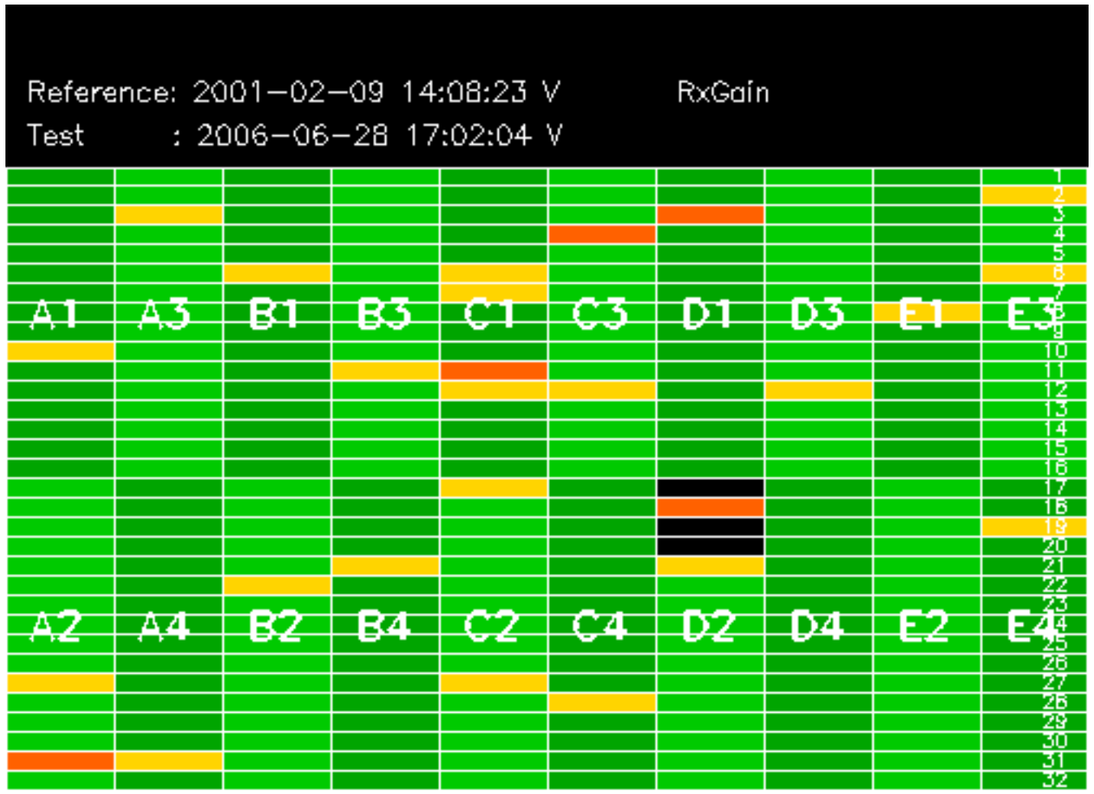
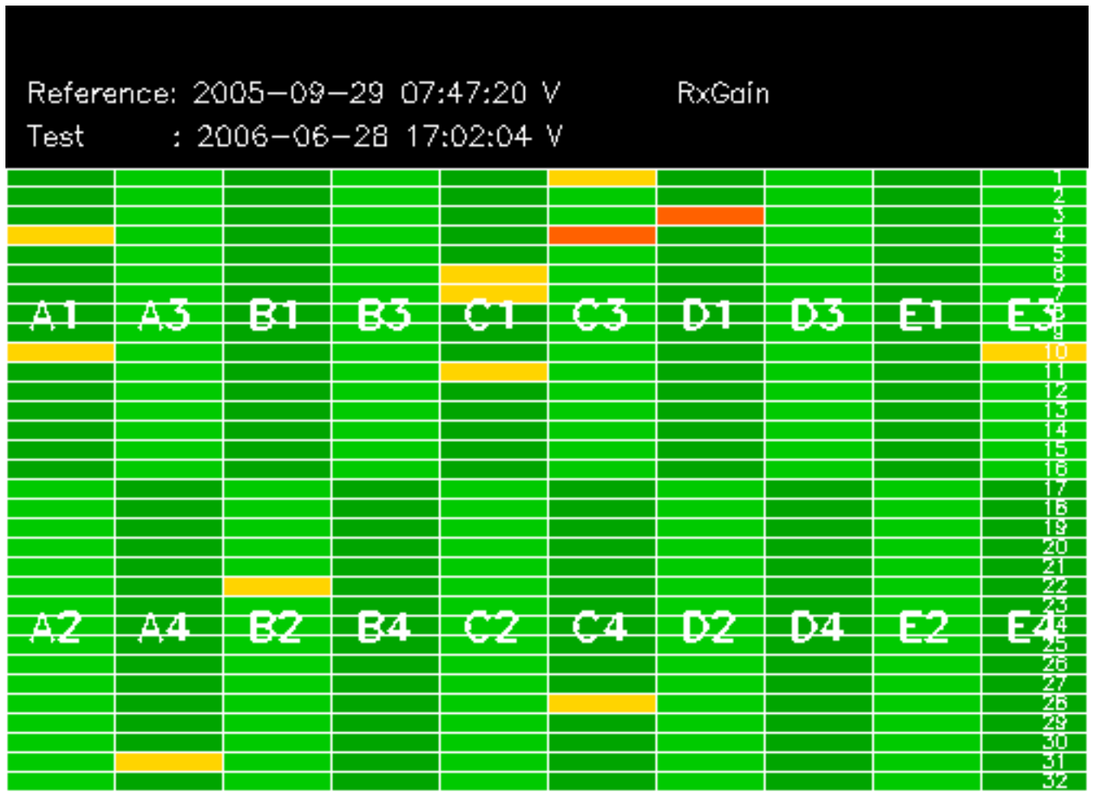

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-06-28 17:02:04 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-28 17:02:04 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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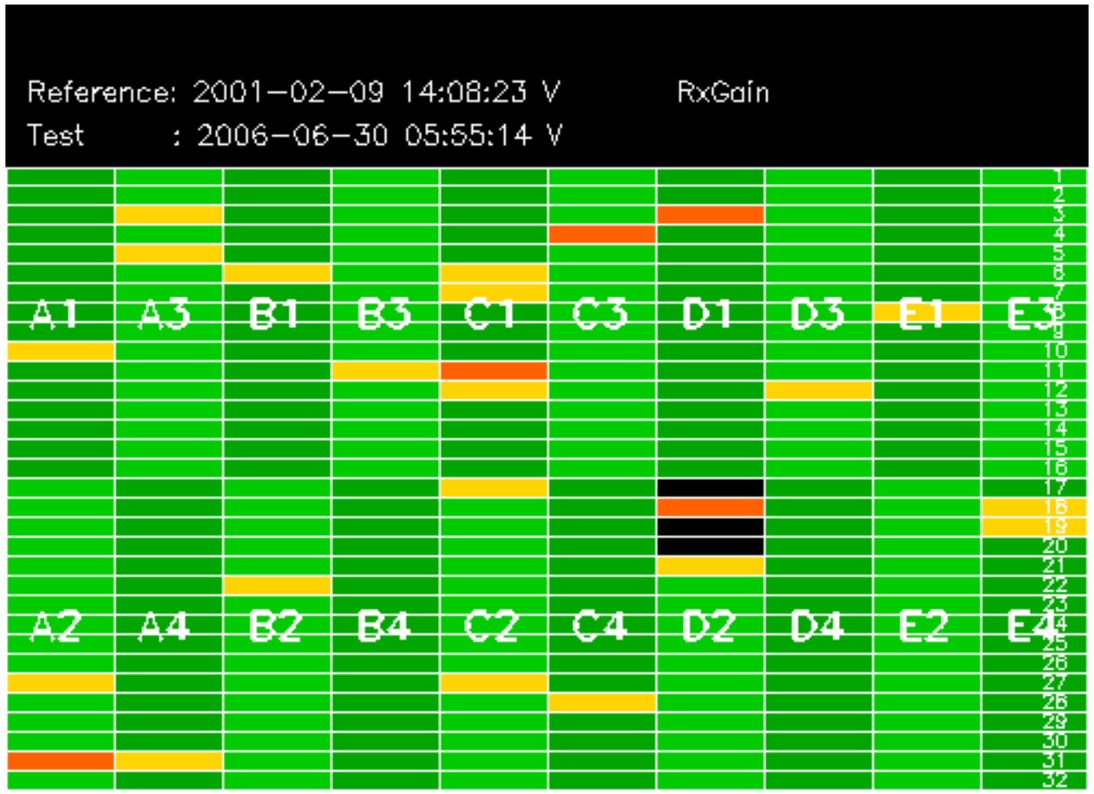
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-30 05:55:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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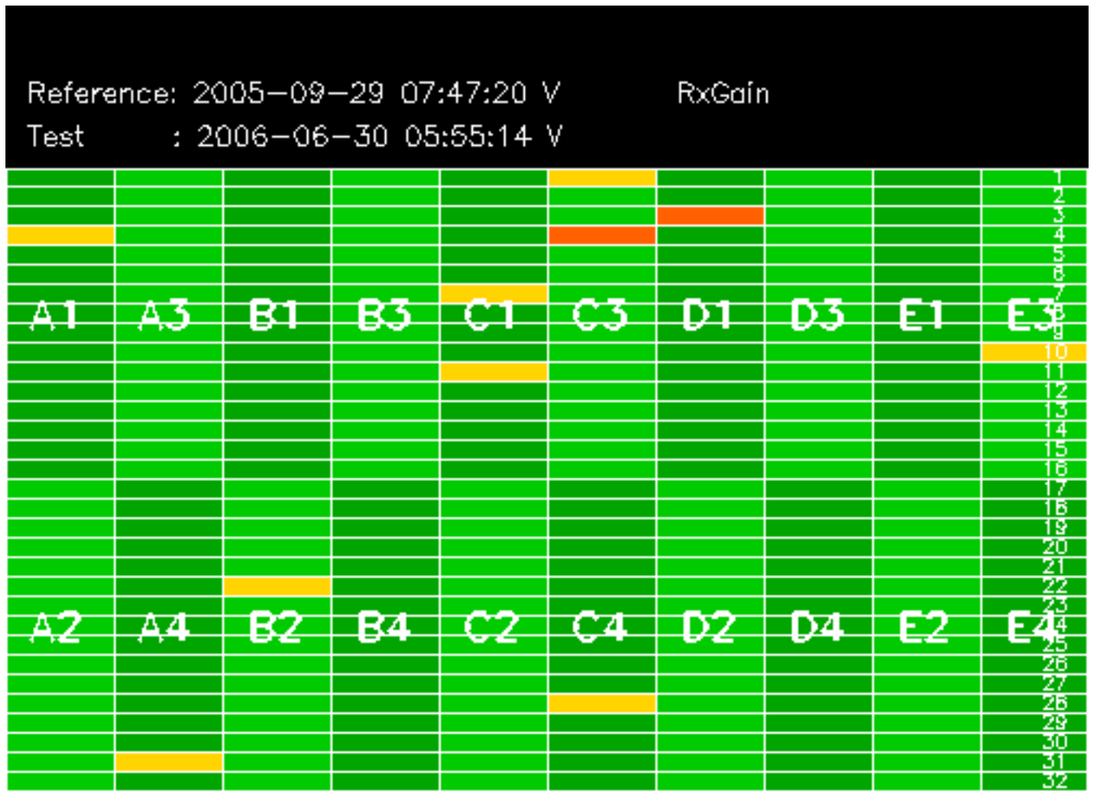
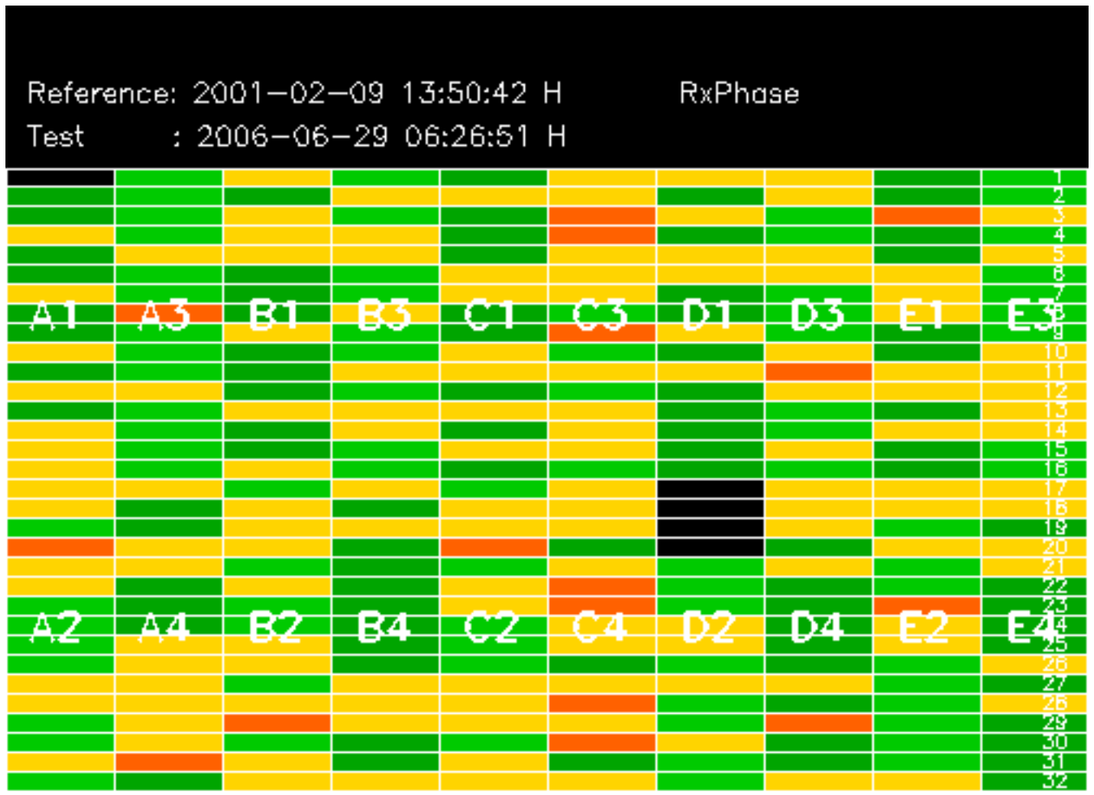

Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-06-29 06:26:51 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 : 2006-06-29 06:26:51 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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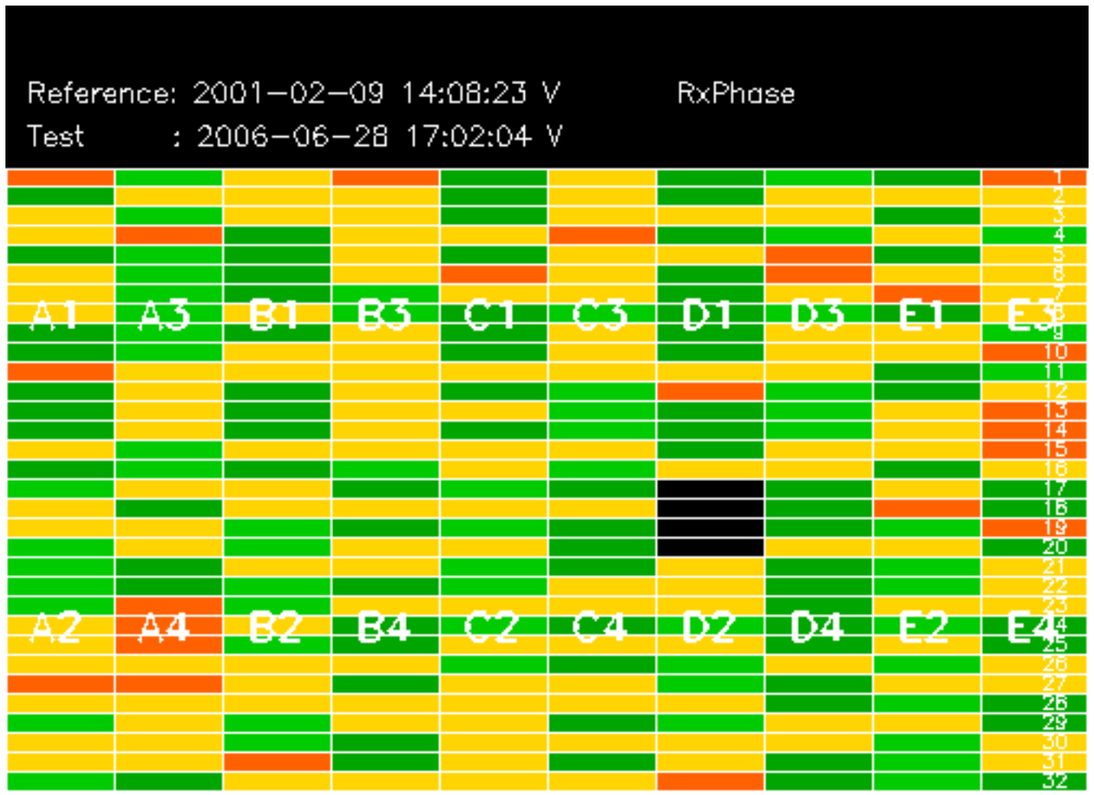
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-06-28 17:02:04 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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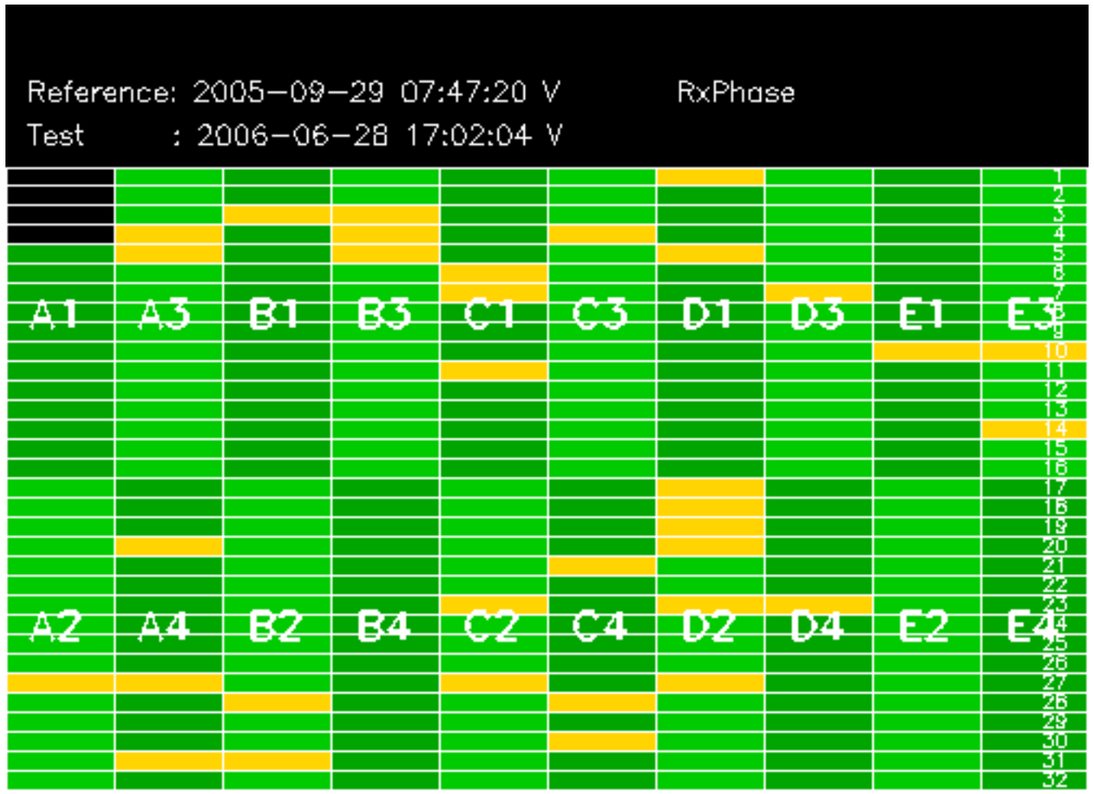
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-28 17:02:04 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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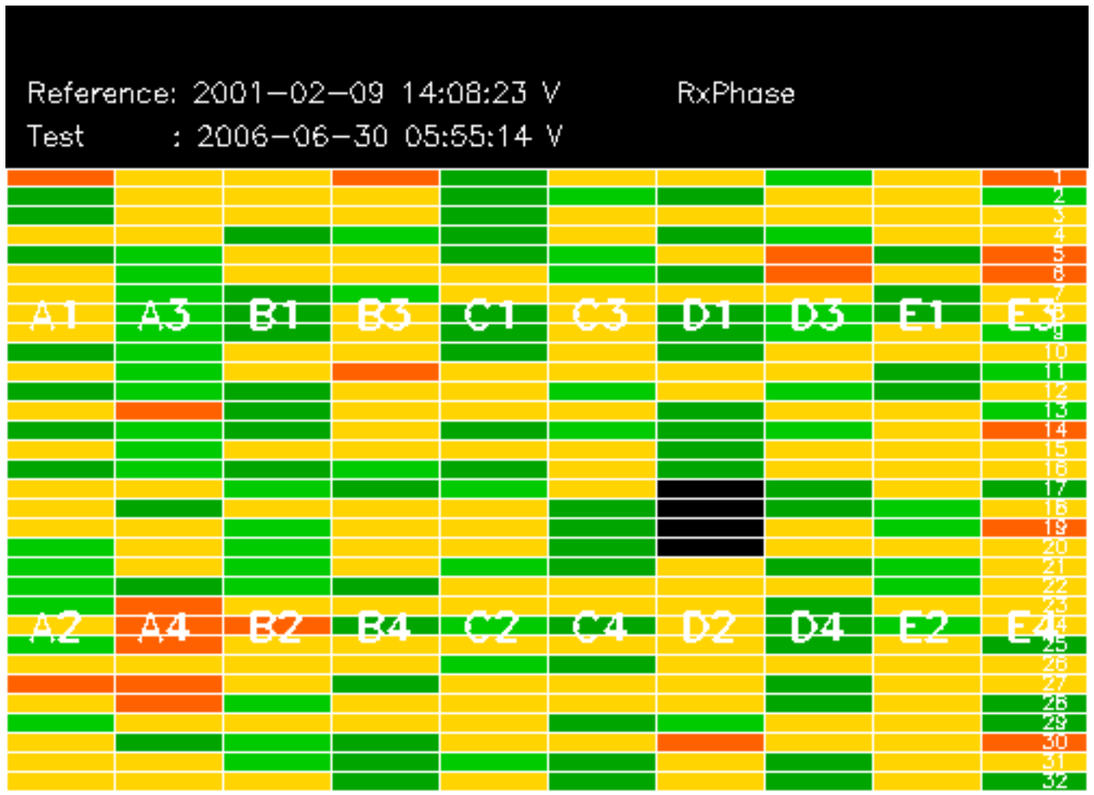
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2006-06-30 05:55:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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31
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Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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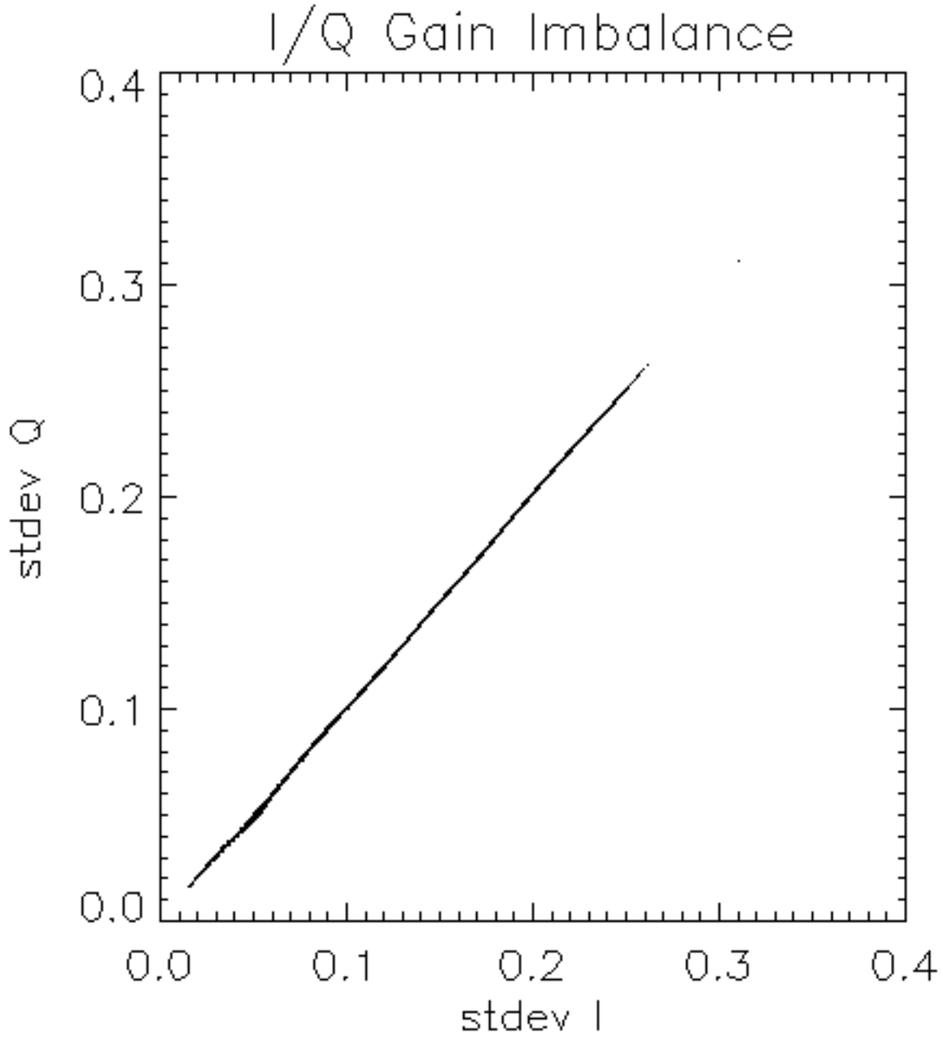
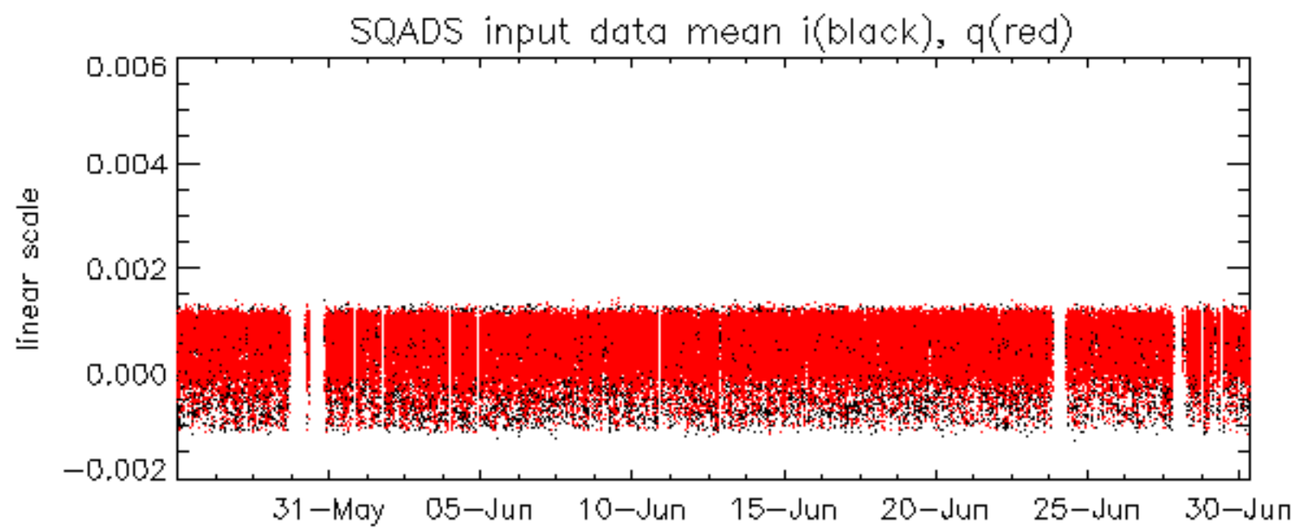
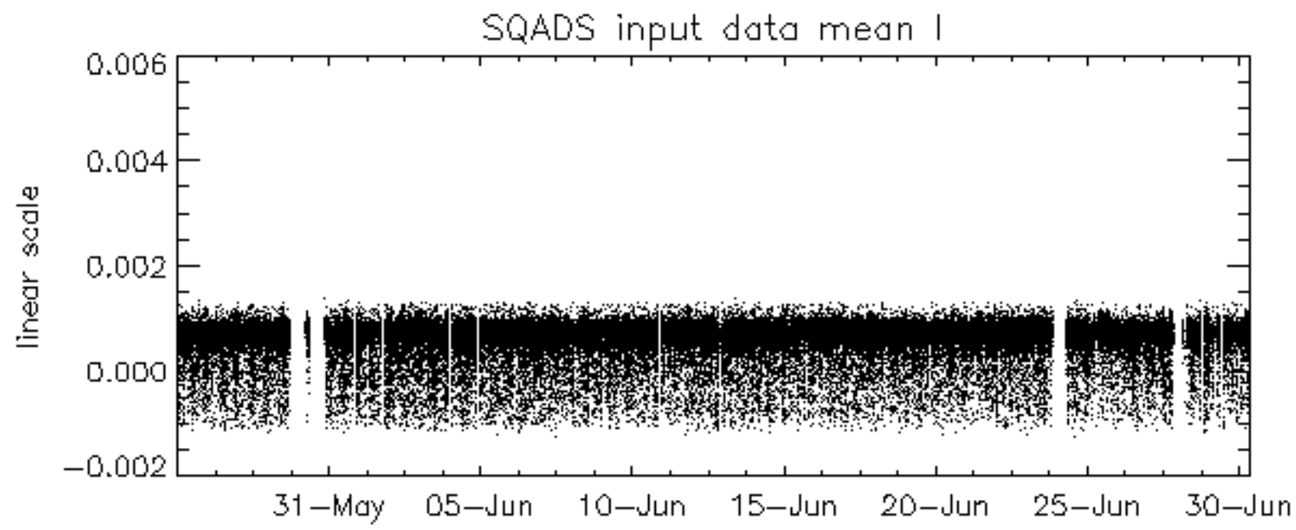
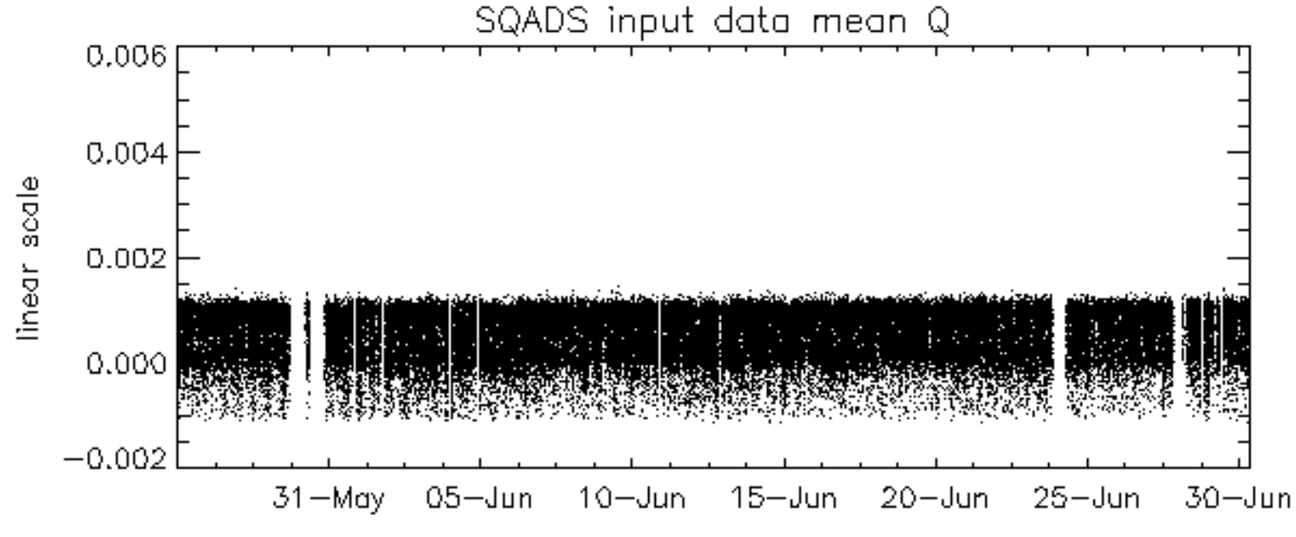
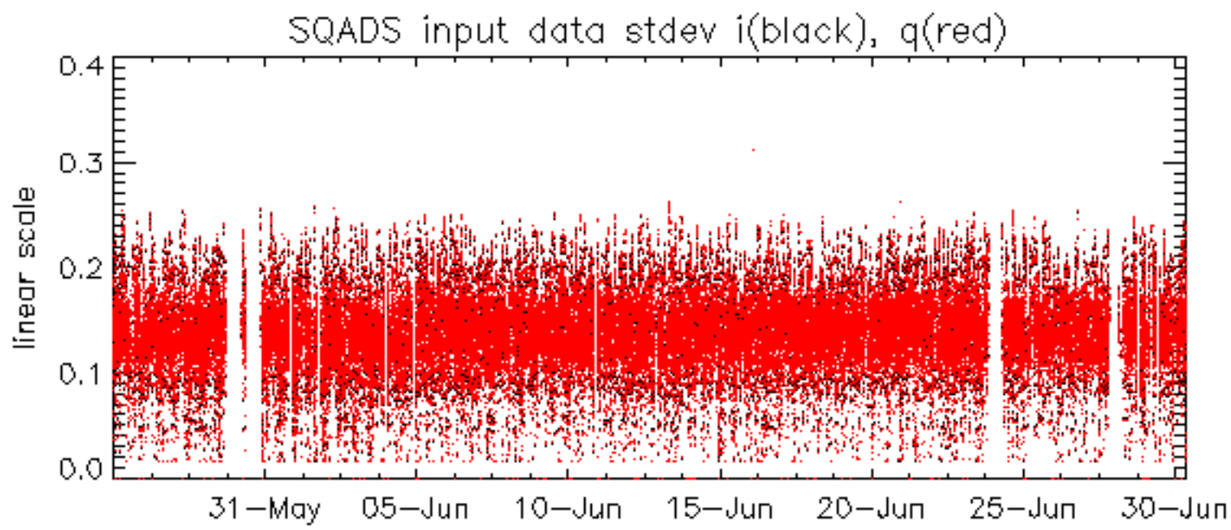
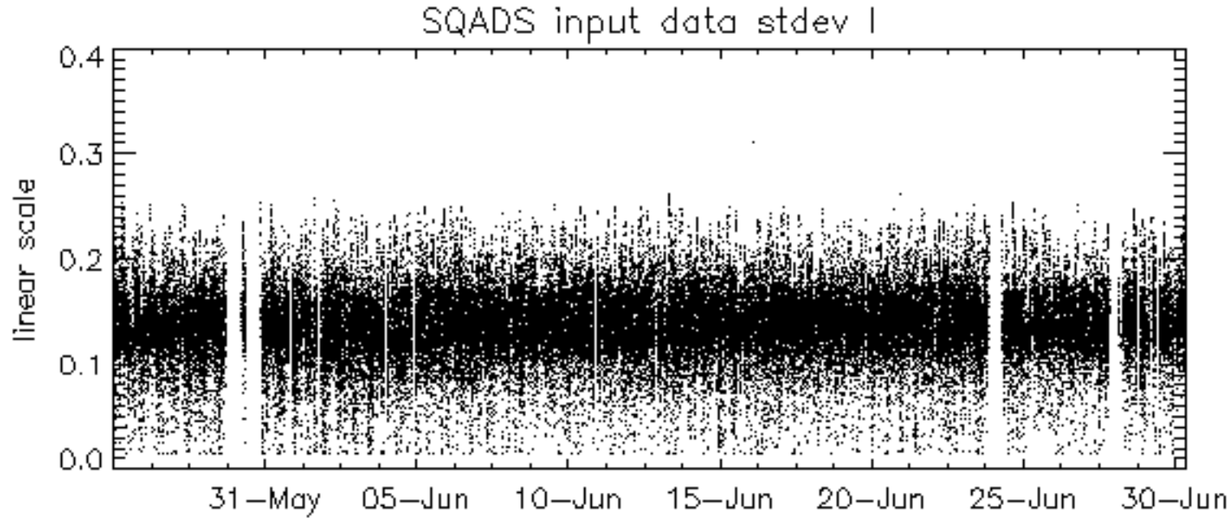

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

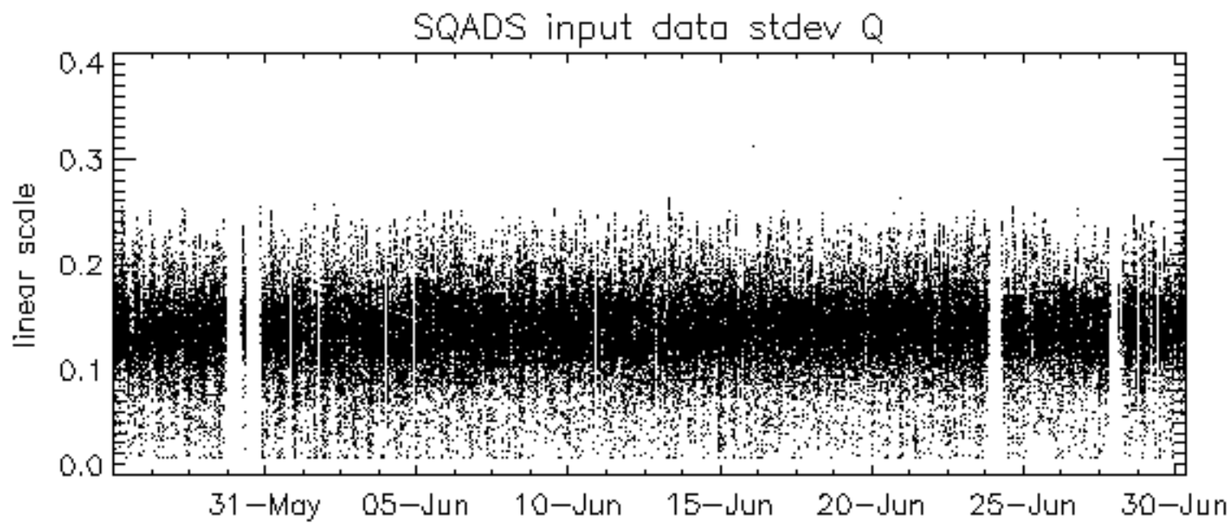

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun

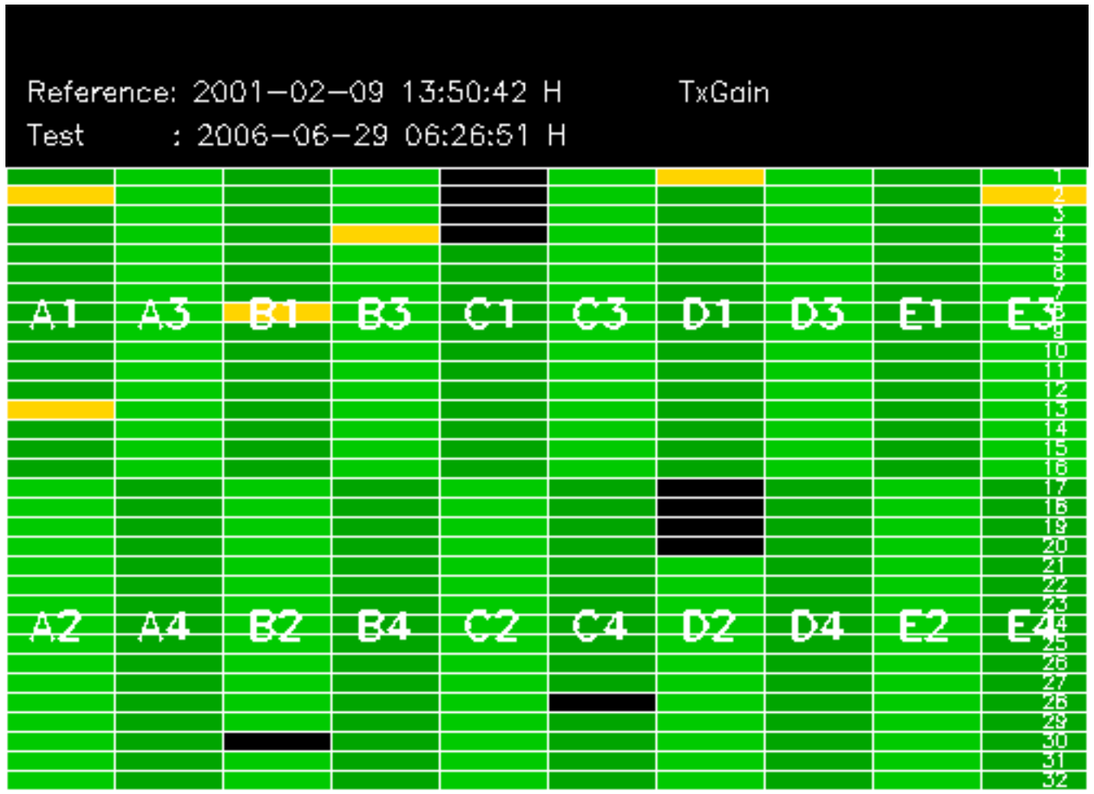

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
31−May
05−Jun
10−Jun
15−Jun
20−Jun
25−Jun
30−Jun


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


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


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-29 06:26:51 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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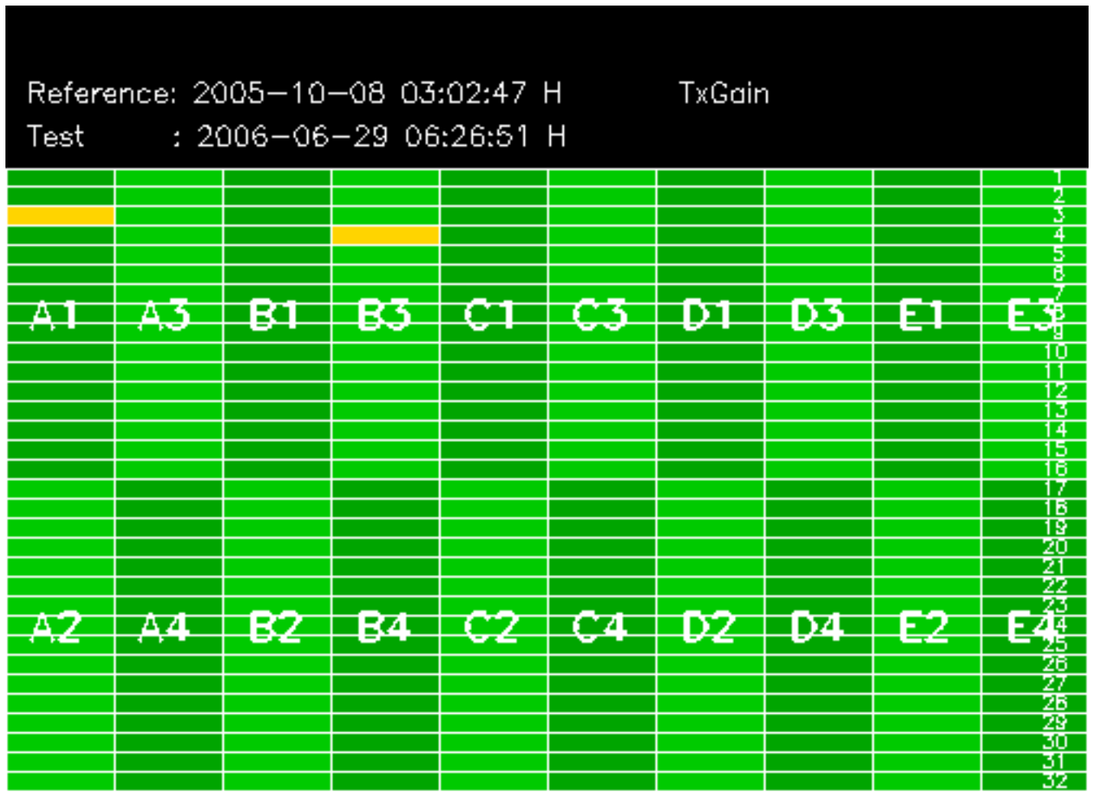
Reference: 2005-10-08 03:02:47 H
Test : 2006-06-29 06:26:51 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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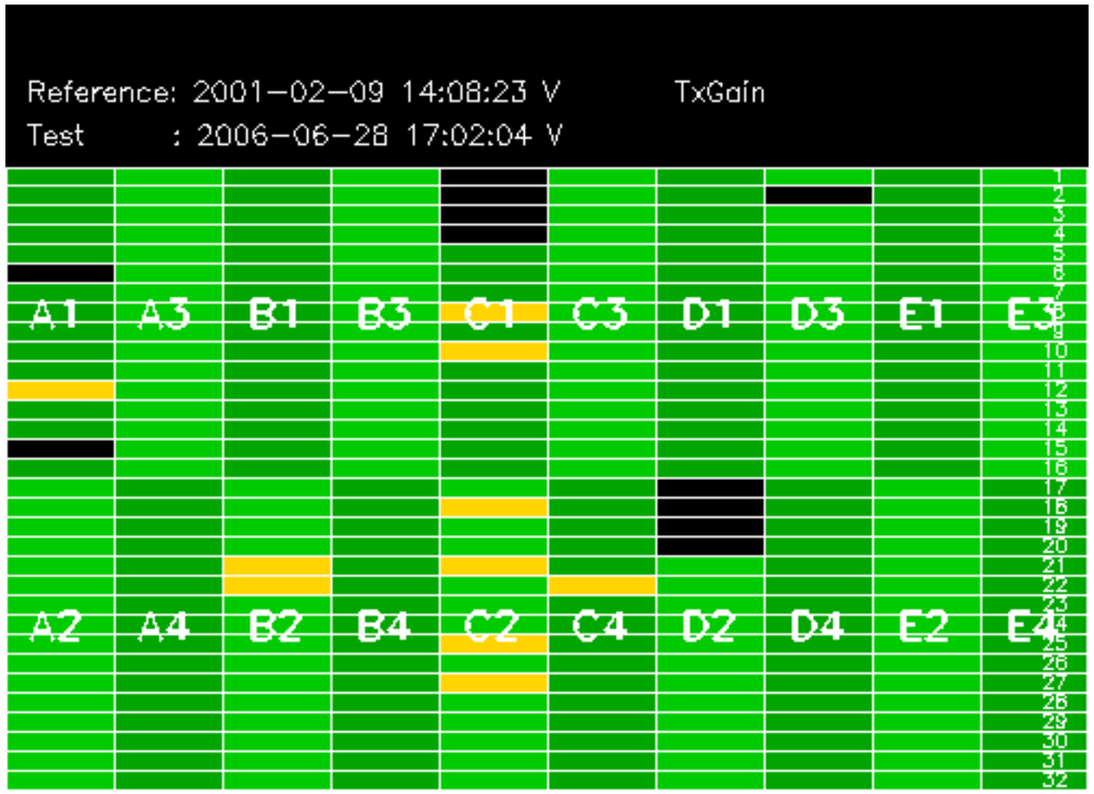
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-28 17:02:04 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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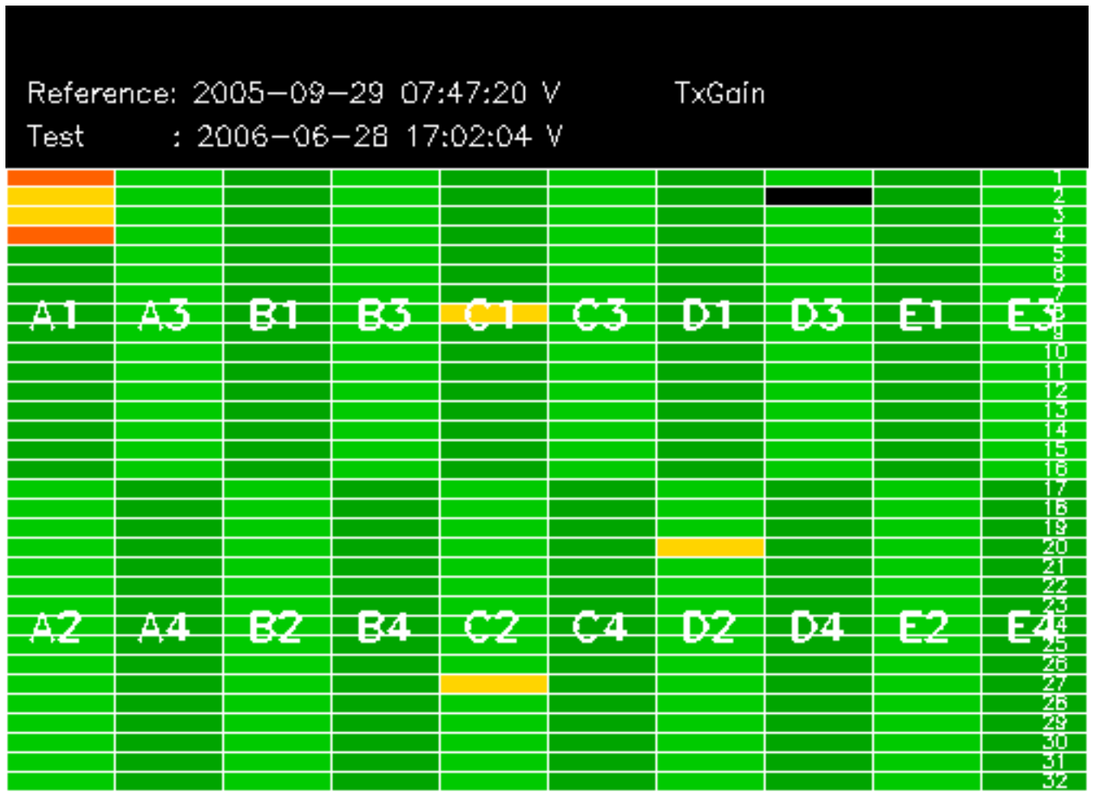
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-28 17:02:04 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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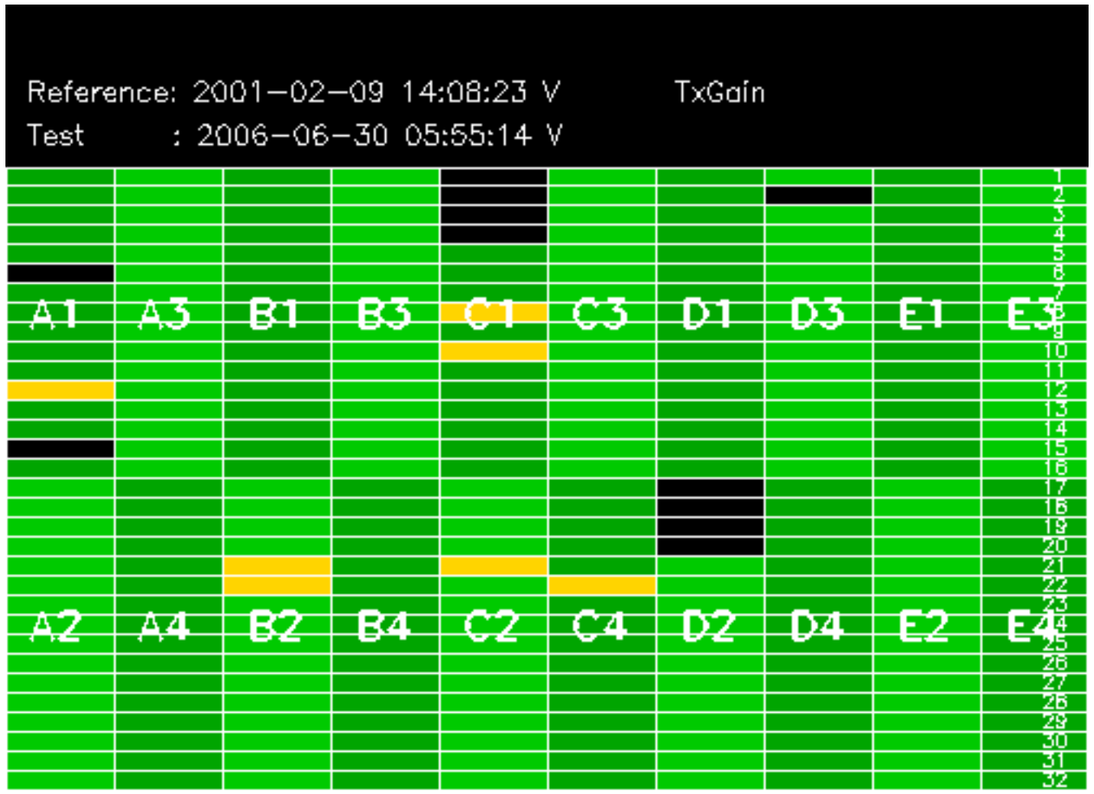
Reference: 2001-02-09 14:08:23 V
Test : 2006-06-30 05:55:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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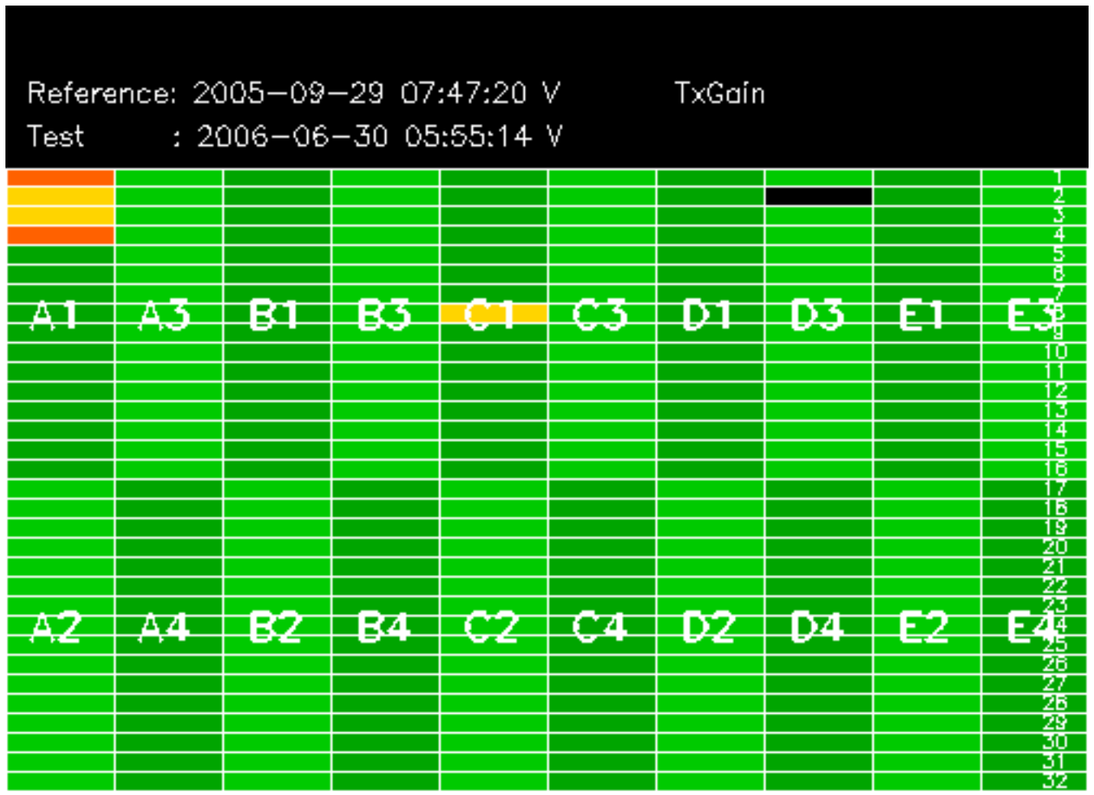
Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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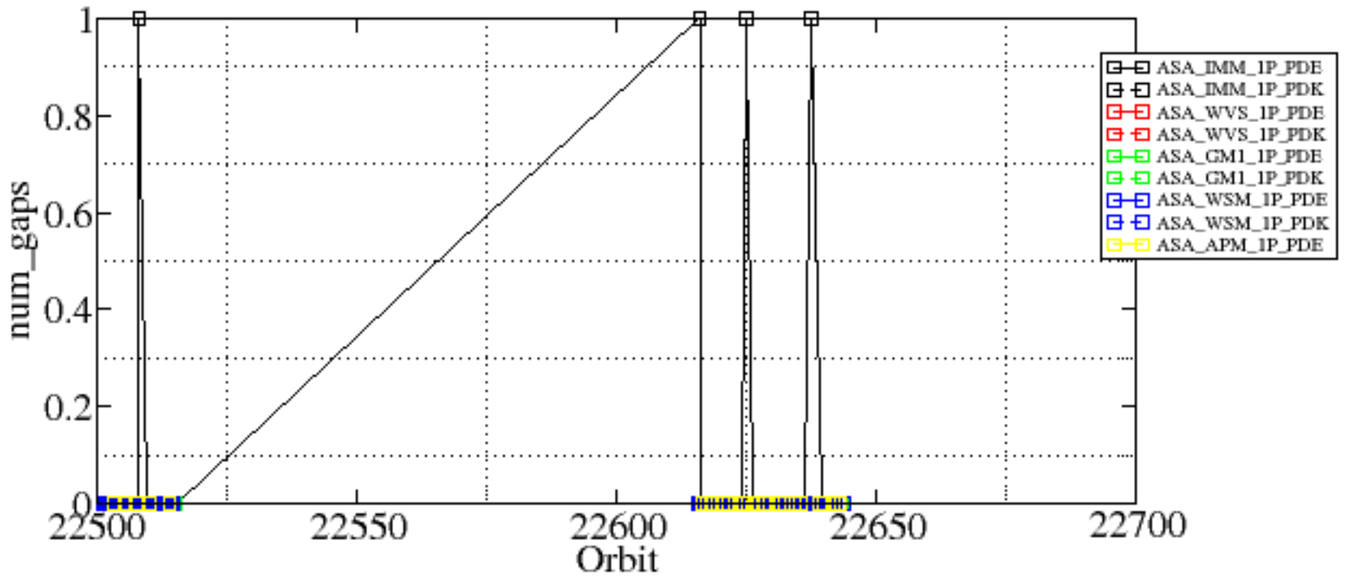
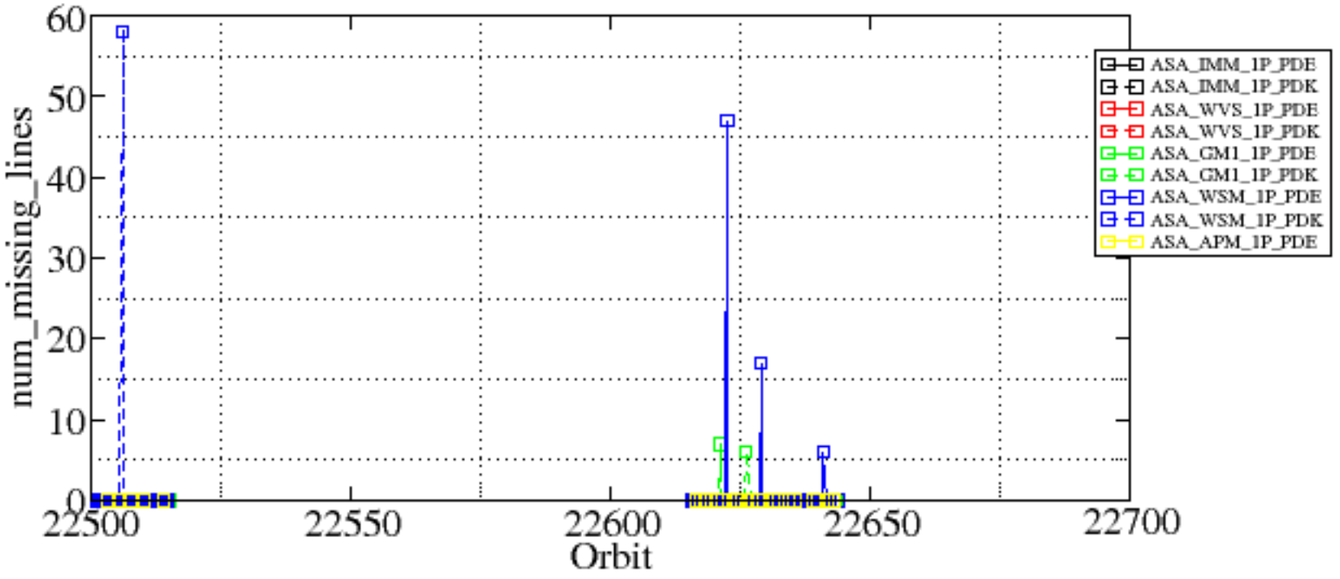
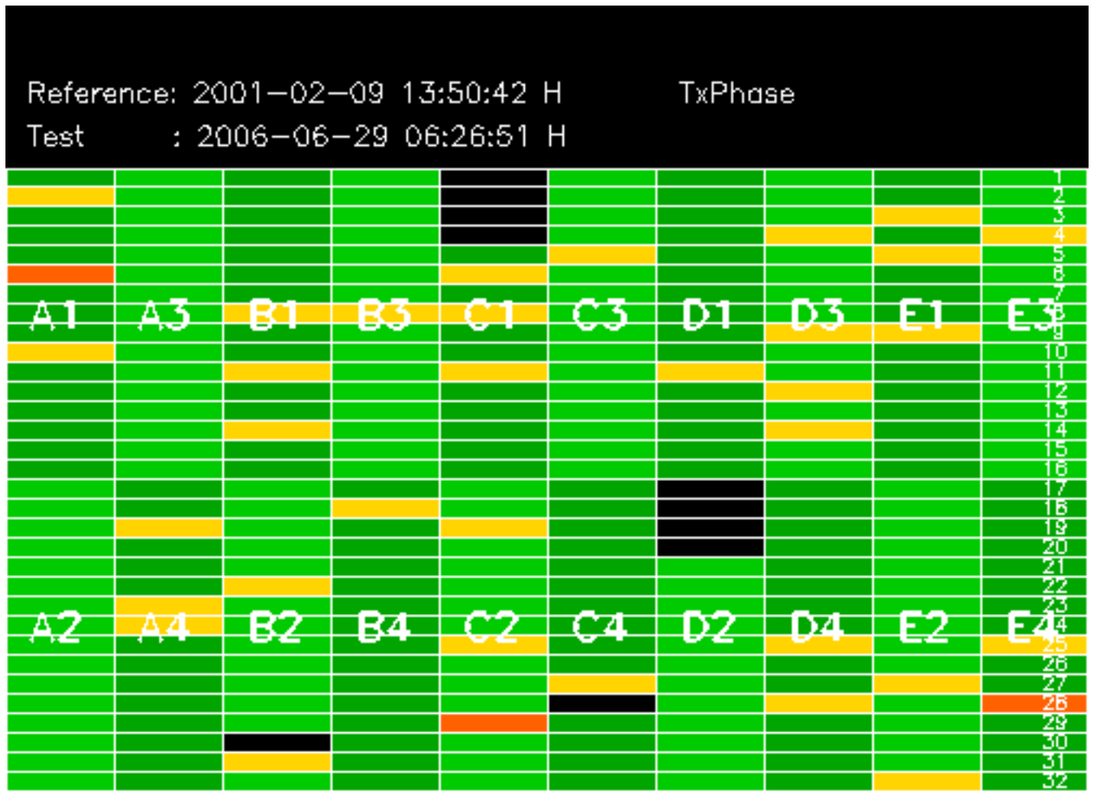
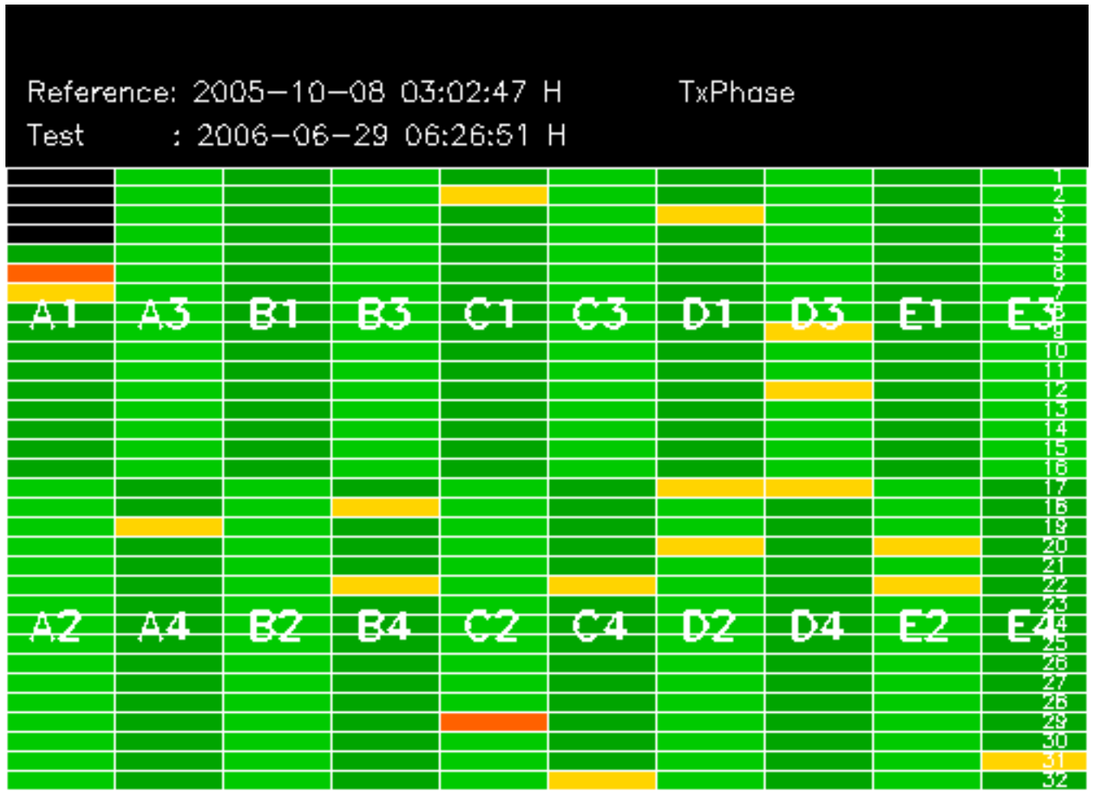
Summary of analysis for the last 3 days 2006062[890]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20060620_115627_000000512048_00410_22508_8157.N1	1	0
ASA_IMM_1PNPDE20060628_004521_000001932049_00016_22615_0034.N1	1	0
ASA_IMM_1PNPDE20060628_010203_000000692049_00017_22616_0025.N1	1	0
ASA_IMM_1PNPDE20060628_155408_000000412049_00025_22624_0069.N1	1	0
ASA_IMM_1PNPDE20060629_125213_000000502049_00038_22637_0120.N1	1	0
ASA_GM1_1PNPDK20060628_092952_000005862049_00022_22621_0014.N1	0	7
ASA_GM1_1PNPDK20060628_174527_000005672049_00027_22626_0046.N1	0	6
ASA_WSM_1PNPDE20060628_113740_000000862049_00023_22622_0179.N1	0	47
ASA_WSM_1PNPDE20060628_223813_000002452049_00030_22629_0252.N1	0	17
ASA_WSM_1PNPDE20060629_184756_000002082049_00042_22641_0407.N1	0	6
ASA_WSM_1PNPDK20060620_082754_000000862048_00408_22506_7972.N1	0	58


num_gaps
1
0.8
0.6
0.4
0.2
0
22500
22550
22600
22650
22700
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
60
50
40
30
20
10
0
22500
22550
22600
22650
22700
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


Reference: 2001-02-09 13:50:42 H
Test : 2006-06-29 06:26:51 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
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-10-08 03:02:47 H
Test : 2006-06-29 06:26:51 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
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
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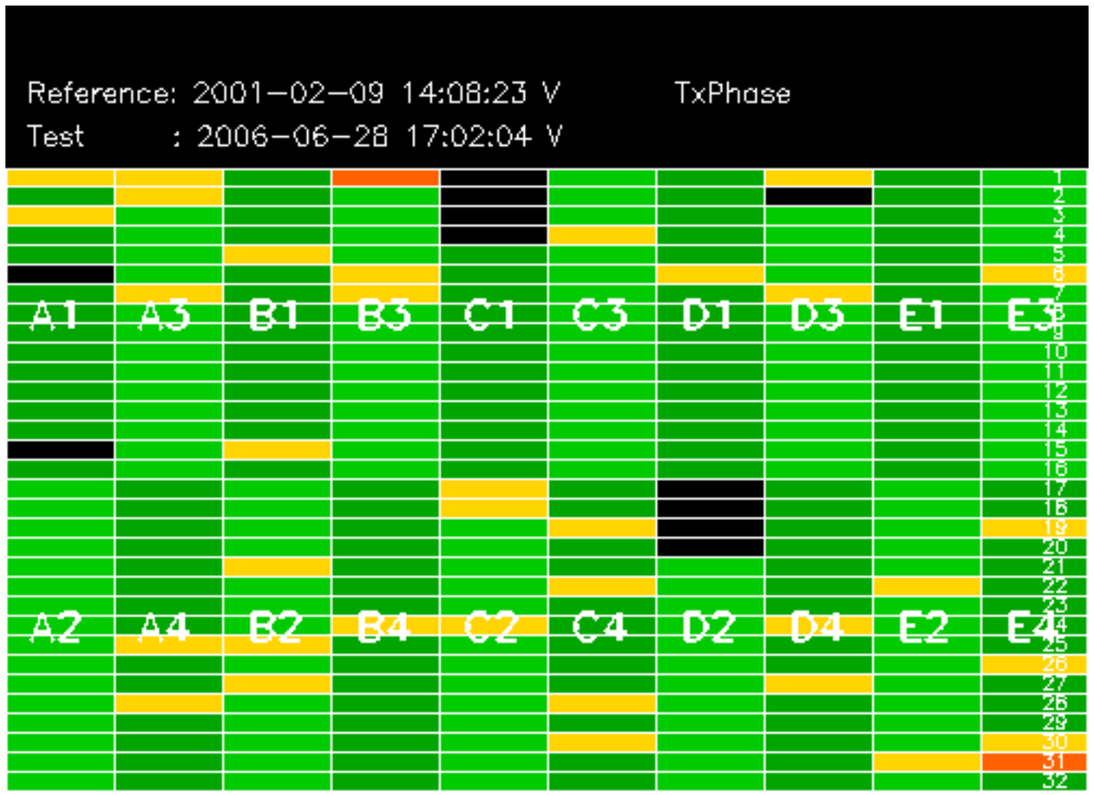
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-06-28 17:02:04 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
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20
21
22
23
24
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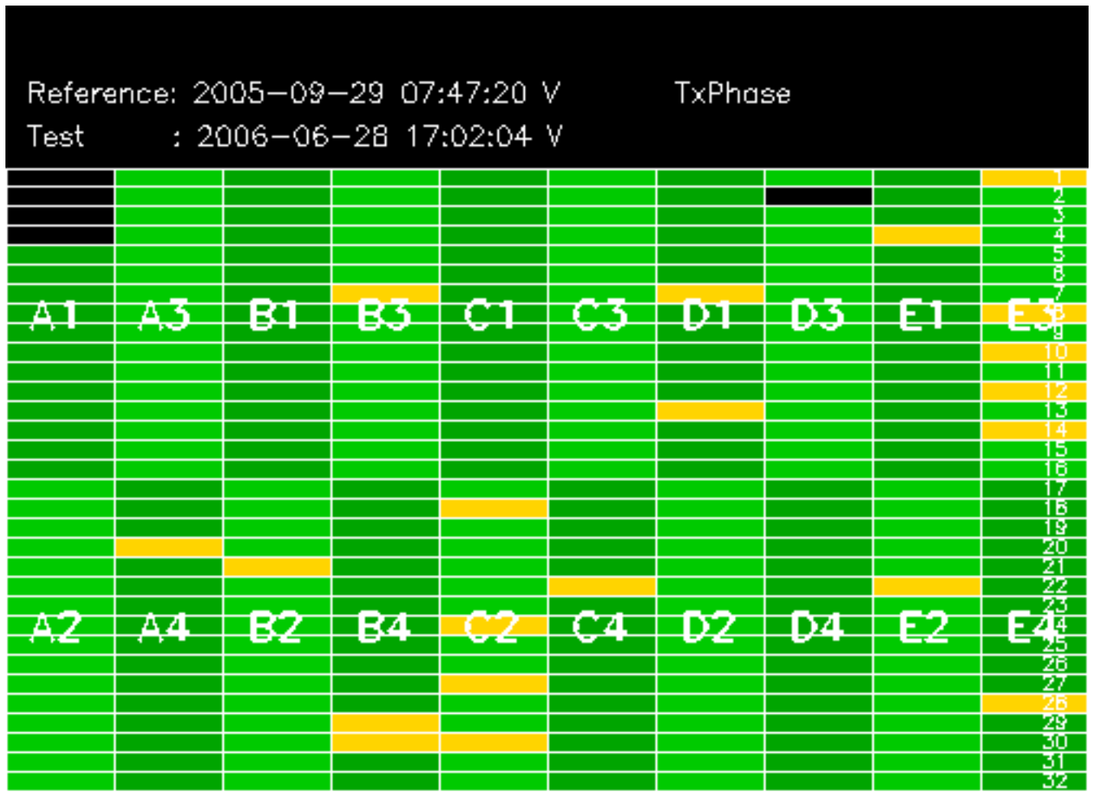
26
27
28
29
30
31
32


Reference: 2005-09-29 07:47:20 V
TxPhase
Test : 2006-06-28 17:02:04 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2006-06-30 05:55:14 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
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21
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26
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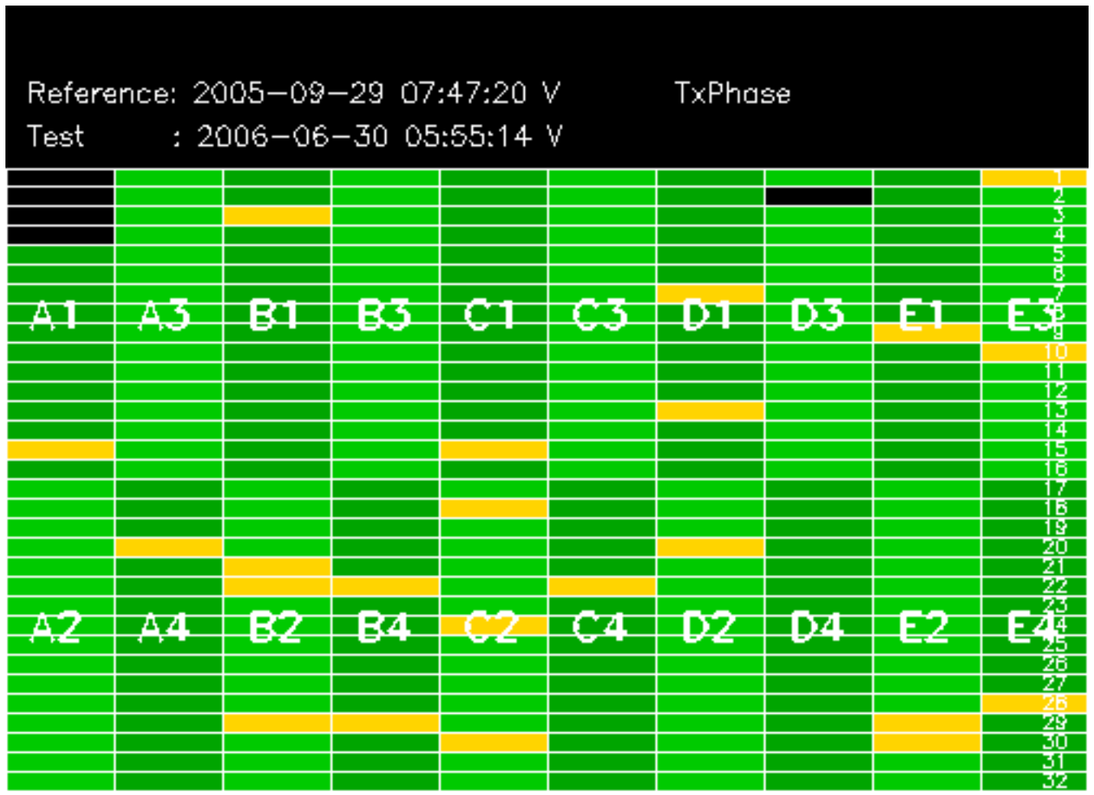
29
30
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-06-30 05:55:14 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
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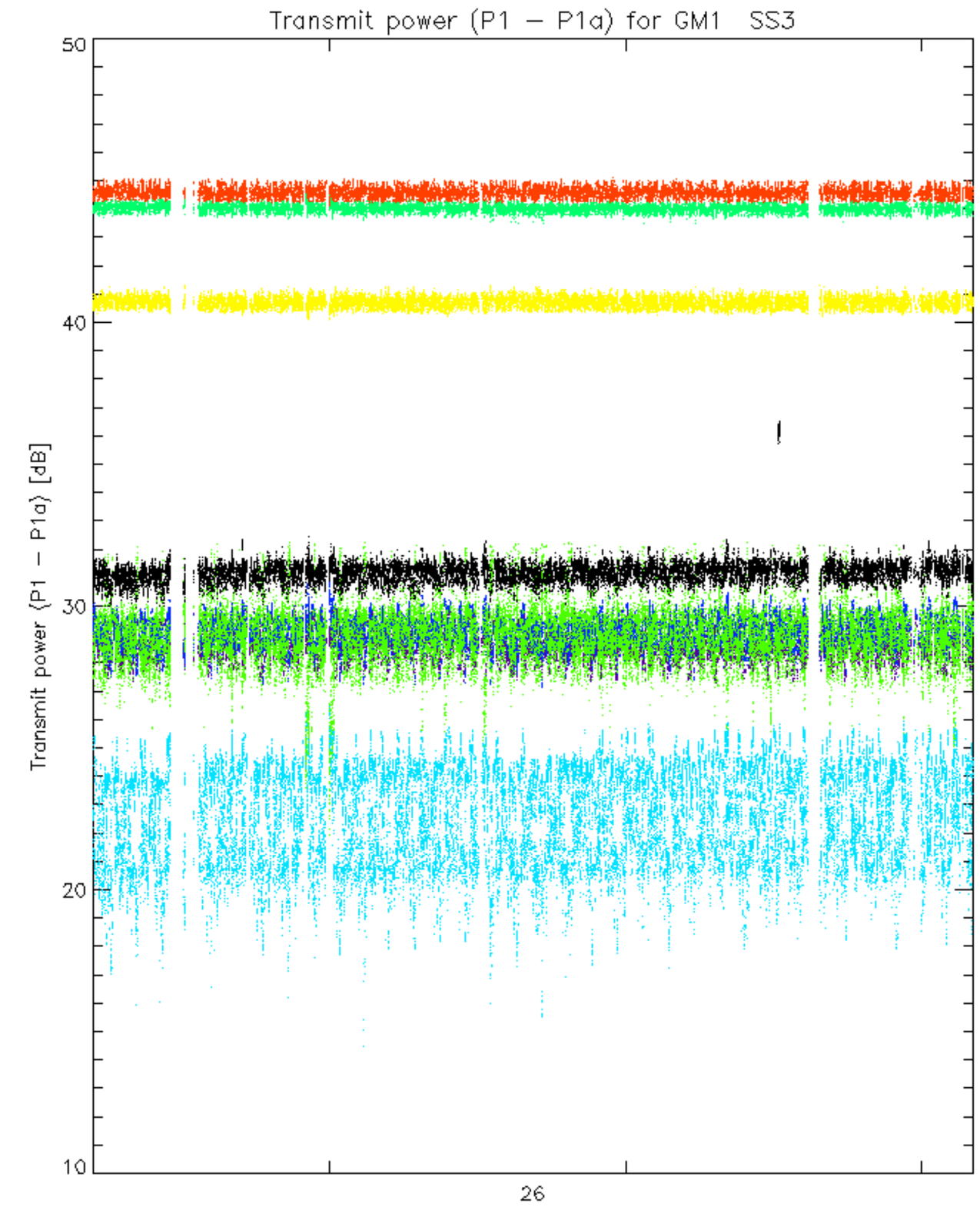
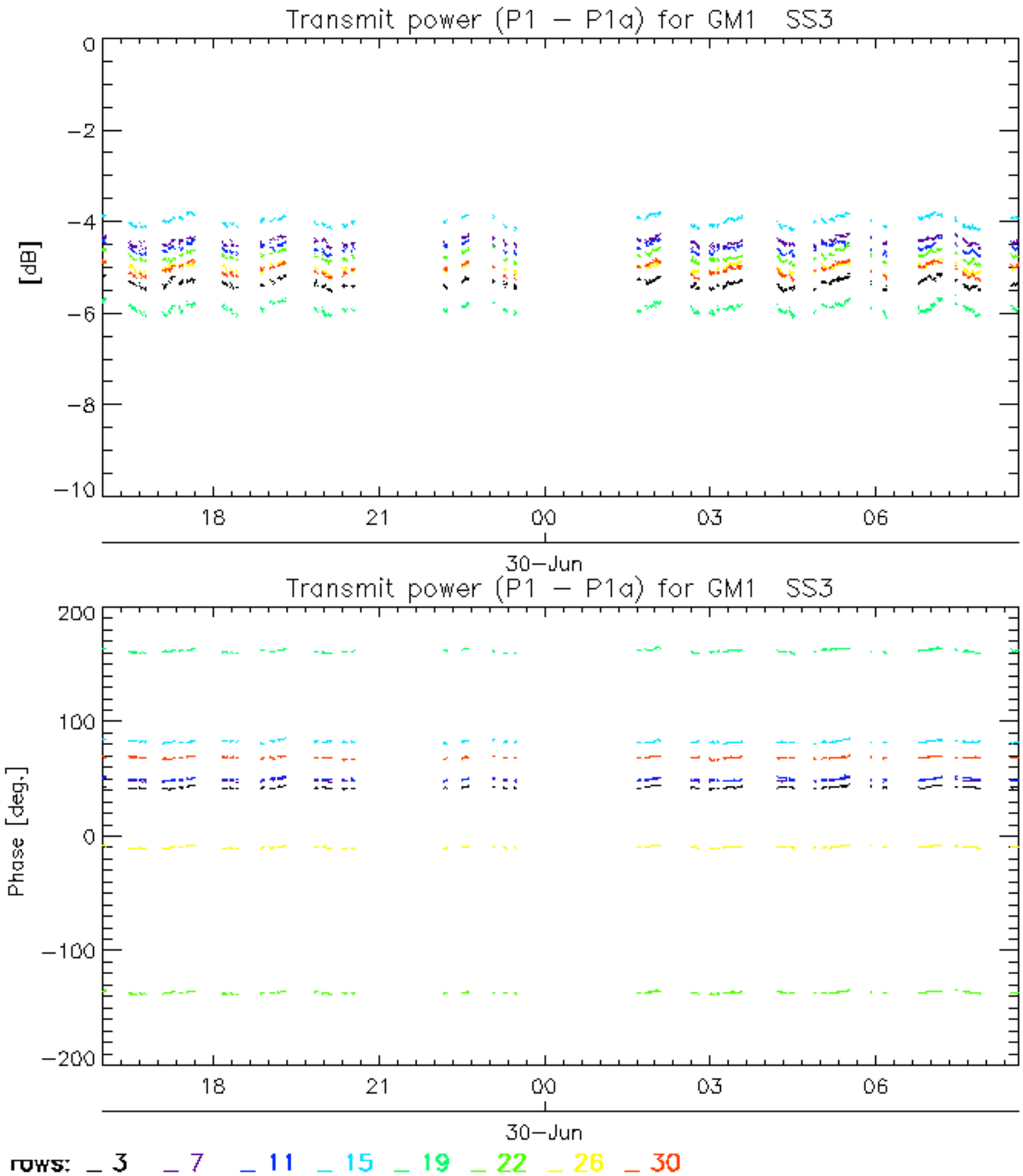
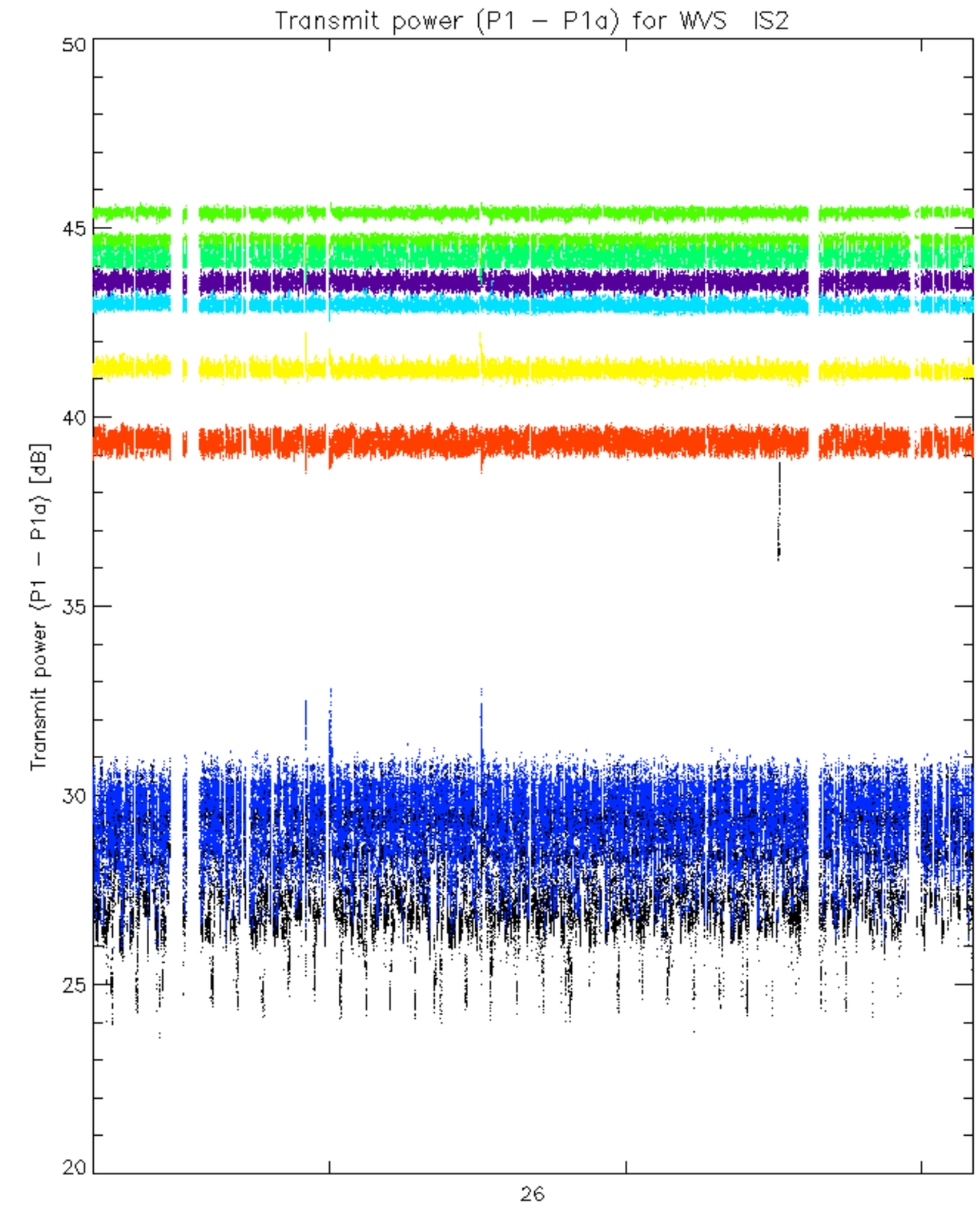
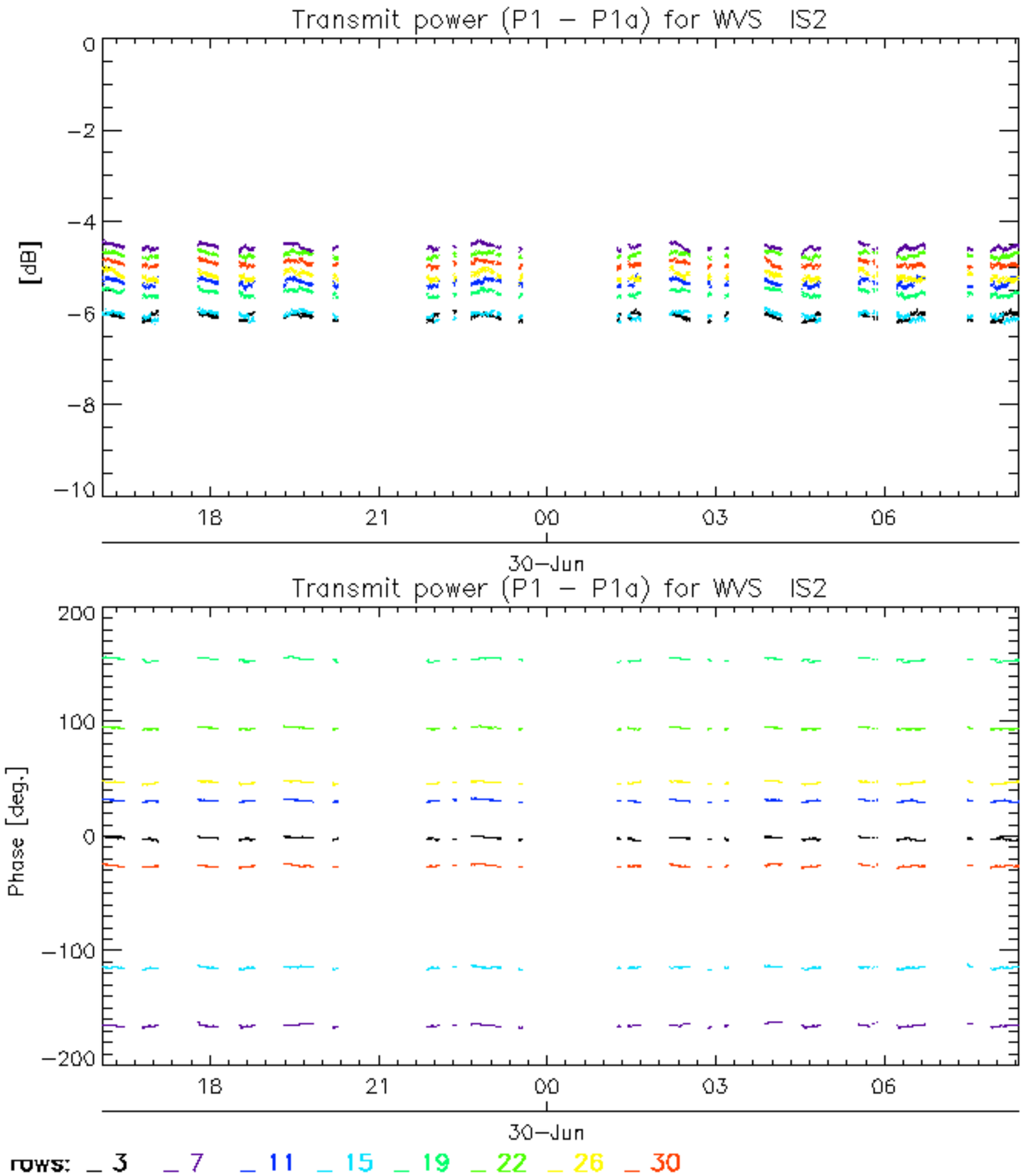

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
26
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
30–Jun
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
30–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
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
30–Jun
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
30–Jun
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.