PRELIMINARY REPORT OF 070328

last update on Wed Mar 28 23:55:18 GMT 2007

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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 2007-03-27 00:00:00 to 2007-03-28 23:55:18

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	23	47	3	2	20
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	49	98	4	3	37
ASA_CON_AXVIEC20070326_152930_20070327_000000_20070328_000000	26	51	1	1	17
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	49	98	4	3	37
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	49	98	4	3	37

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	24	34	17	6	21
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	48	66	45	10	62
ASA_CON_AXVIEC20070326_152930_20070327_000000_20070328_000000	24	32	28	4	41
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	48	66	45	10	62
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	48	66	45	10	62

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	20070327 042852
H	20070328 071827

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

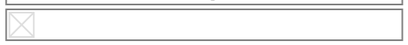
4.1.2 - Evolution for GM1

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)
3	P1a	-15.103862	0.125732	0.079861
7	P1a	-17.485830	0.102782	-0.112481
11	P1a	-17.264643	0.344835	0.029009
15	P1a	-12.883528	0.087740	0.025598
19	P1a	-15.167249	0.077001	-0.061500
22	P1a	-15.518483	0.558801	-0.486537
26	P1a	-15.091157	0.439877	-0.203624
30	P1a	-17.410372	0.295392	-0.230170

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.745358	0.010565	-0.027004
7	P1	-3.135777	0.008546	-0.011031
11	P1	-4.172542	0.014975	-0.057867
15	P1	-6.373118	0.016594	0.028353
19	P1	-3.776800	0.007507	-0.028819
22	P1	-4.684074	0.045938	-0.116130
26	P1	-3.927942	0.039176	-0.037881
30	P1	-5.924511	0.069439	-0.128848

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.643677	0.093621	0.038724
7	P2	-21.603216	0.082692	0.034255
11	P2	-15.495899	0.101917	0.154882
15	P2	-7.081815	0.094404	-0.049471
19	P2	-9.108513	0.083699	-0.015637
22	P2	-18.092060	0.078152	0.033373
26	P2	-16.560989	0.086167	-0.057641
30	P2	-19.317896	0.081959	0.094438

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.234216	0.006485	0.002776
7	P3	-8.234216	0.006485	0.002776
11	P3	-8.234216	0.006485	0.002776
15	P3	-8.234216	0.006485	0.002776
19	P3	-8.234216	0.006485	0.002776
22	P3	-8.234216	0.006485	0.002776
26	P3	-8.234144	0.006487	0.003076
30	P3	-8.234144	0.006487	0.003076

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
⊠

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.098672	0.052688	-0.090067
7	P1a	-10.070560	0.133242	-0.004508
11	P1a	-10.680188	0.063132	-0.020452
15	P1a	-10.933993	0.143799	0.120988
19	P1a	-15.718219	0.071820	-0.139828
22	P1a	-20.915897	1.516172	-0.190292
26	P1a	-15.264351	0.323633	-0.141004
30	P1a	-18.373882	0.700108	0.043263

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.414412	0.039791	-0.055755
7	P1	-2.425779	0.022543	-0.002857
11	P1	-2.920247	0.019143	0.018427
15	P1	-3.847460	0.039303	-0.000107
19	P1	-3.563745	0.011173	-0.039339
22	P1	-5.028931	0.032247	0.053356

26	P1	-5.958748	0.052237	-0.068975
30	P1	-5.277732	0.031136	-0.043843

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.106886	0.037673	-0.037899
7	P2	-21.959362	0.061527	-0.047640
11	P2	-10.635411	0.033621	0.024661
15	P2	-4.835166	0.031710	-0.053198
19	P2	-6.815531	0.033947	-0.028880
22	P2	-8.079975	0.034123	-0.014400
26	P2	-24.289997	0.042191	0.015701
30	P2	-21.719490	0.044270	0.033109

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.063126	0.004055	-0.019202
7	P3	-8.063044	0.004054	-0.019363
11	P3	-8.063128	0.004052	-0.019533
15	P3	-8.063231	0.004058	-0.019209
19	P3	-8.063115	0.004064	-0.018722
22	P3	-8.063209	0.004061	-0.019739
26	P3	-8.062960	0.004037	-0.019187
30	P3	-8.063087	0.004046	-0.019367

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

☒

4.3.2 - Evolution for GM1

☒

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000643425
	stdev	2.65013e-07
MEAN Q	mean	0.000345860
	stdev	2.77203e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.102562
	stdev	0.00239753
STDEV Q	mean	0.102519
	stdev	0.00245424

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007032[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20070328_143307_000000372056_00425_26531_0306.N1	1	0
ASA_GM1_1PNPDK20070326_142221_000001572056_00397_26503_4278.N1	0	6
ASA_GM1_1PNPDK20070328_172929_000005192056_00427_26533_7340.N1	0	7
ASA_WSM_1PNPDE20070326_185948_000000672056_00400_26506_7466.N1	0	54
ASA_WSM_1PNPDE20070327_004727_000000852056_00403_26509_7928.N1	0	26

ASA_WSM_1PNPDE20070327_140944_000000862056_00411_26517_8651.N1	0	22
ASA_WSM_1PNPDE20070327_150733_000000862056_00412_26518_8655.N1	0	33
ASA_WSM_1PNPDE20070327_183104_000000852056_00414_26520_8729.N1	0	16
ASA_WSM_1PNPDE20070328_001649_000002022056_00417_26523_9211.N1	0	26
ASA_WSM_1PNPDK20070326_140038_000000792056_00397_26503_4251.N1	0	16

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

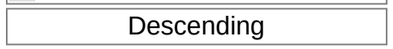
Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

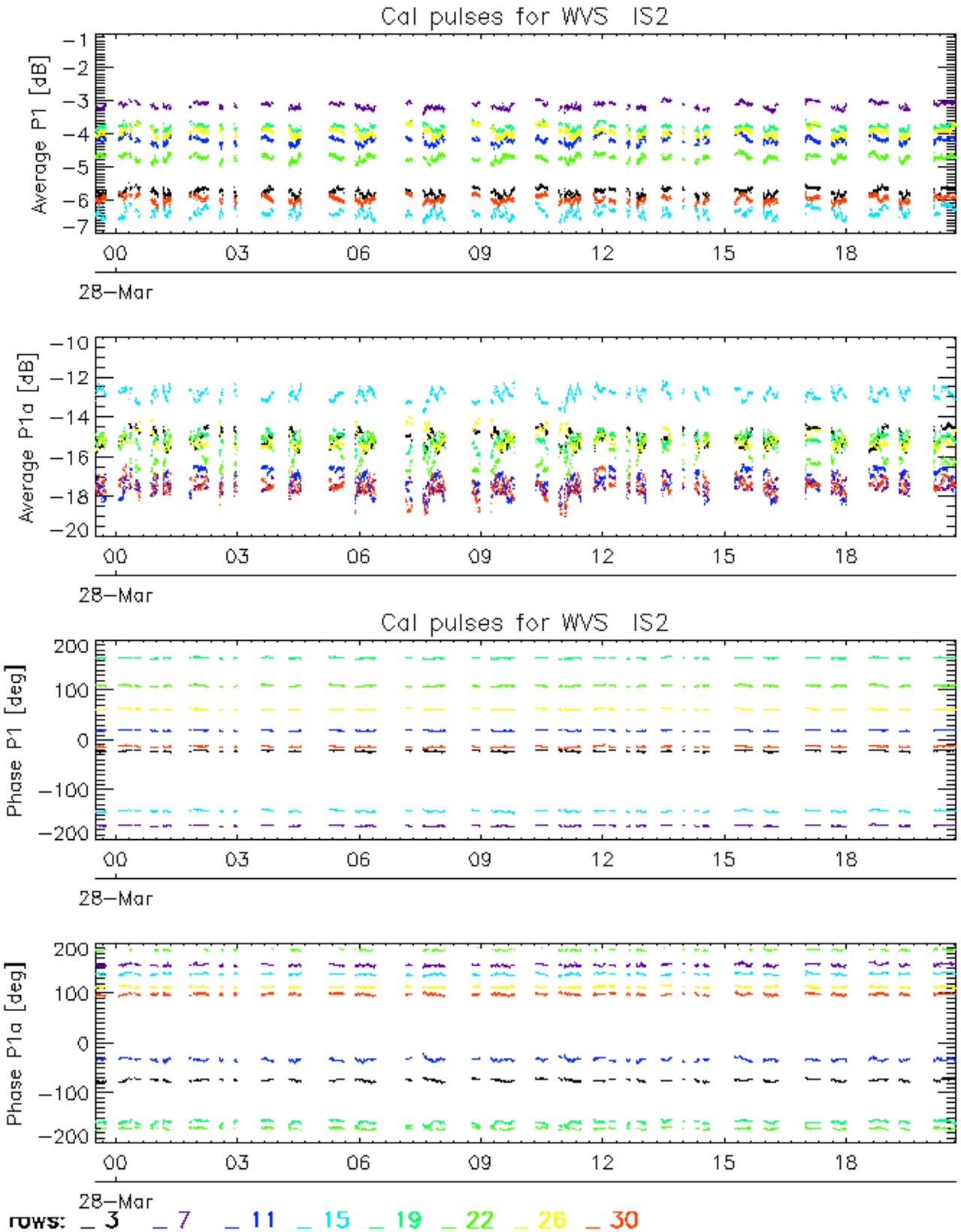
7.5 - Absolute Doppler for GM1

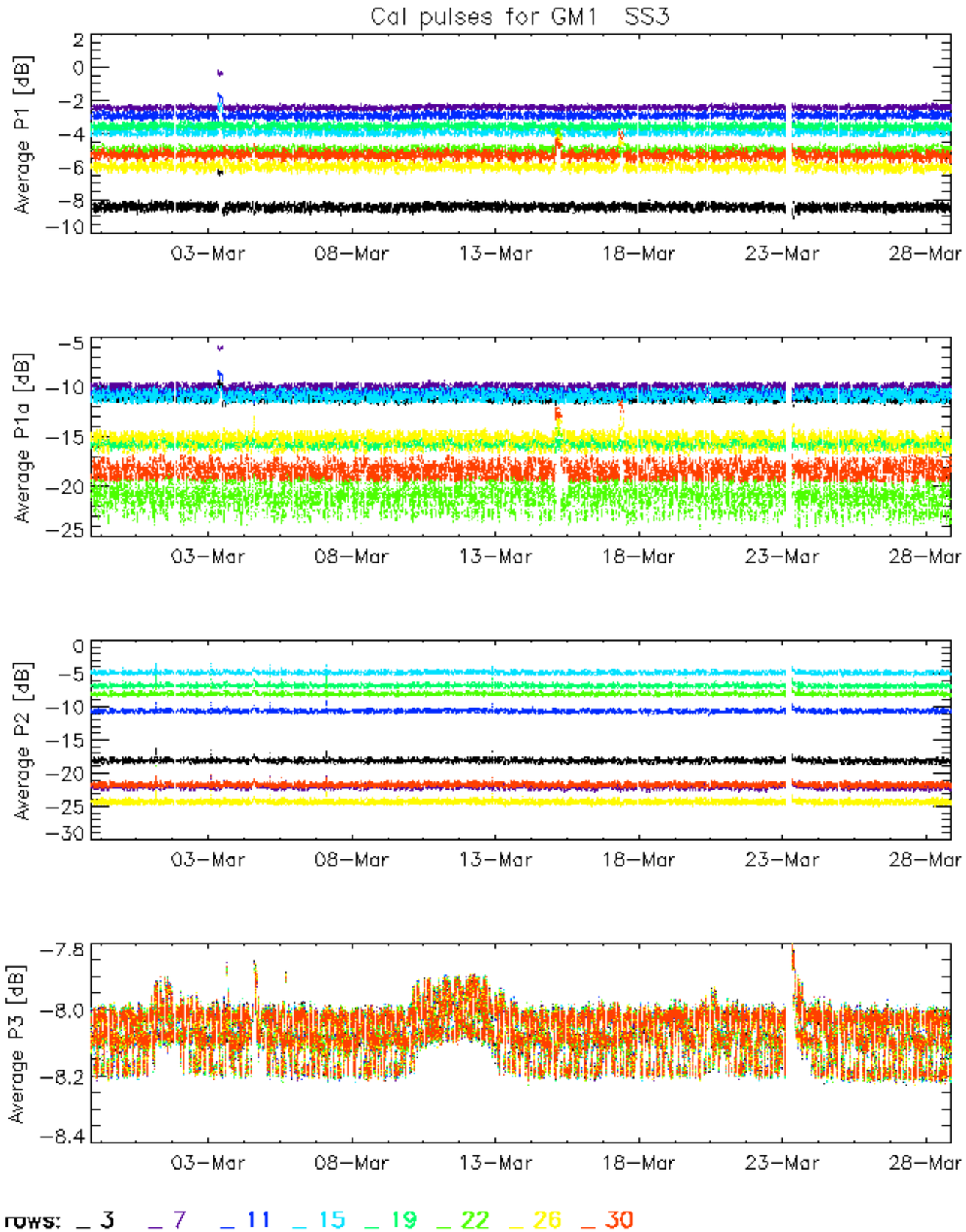
Evolution of Absolute Doppler

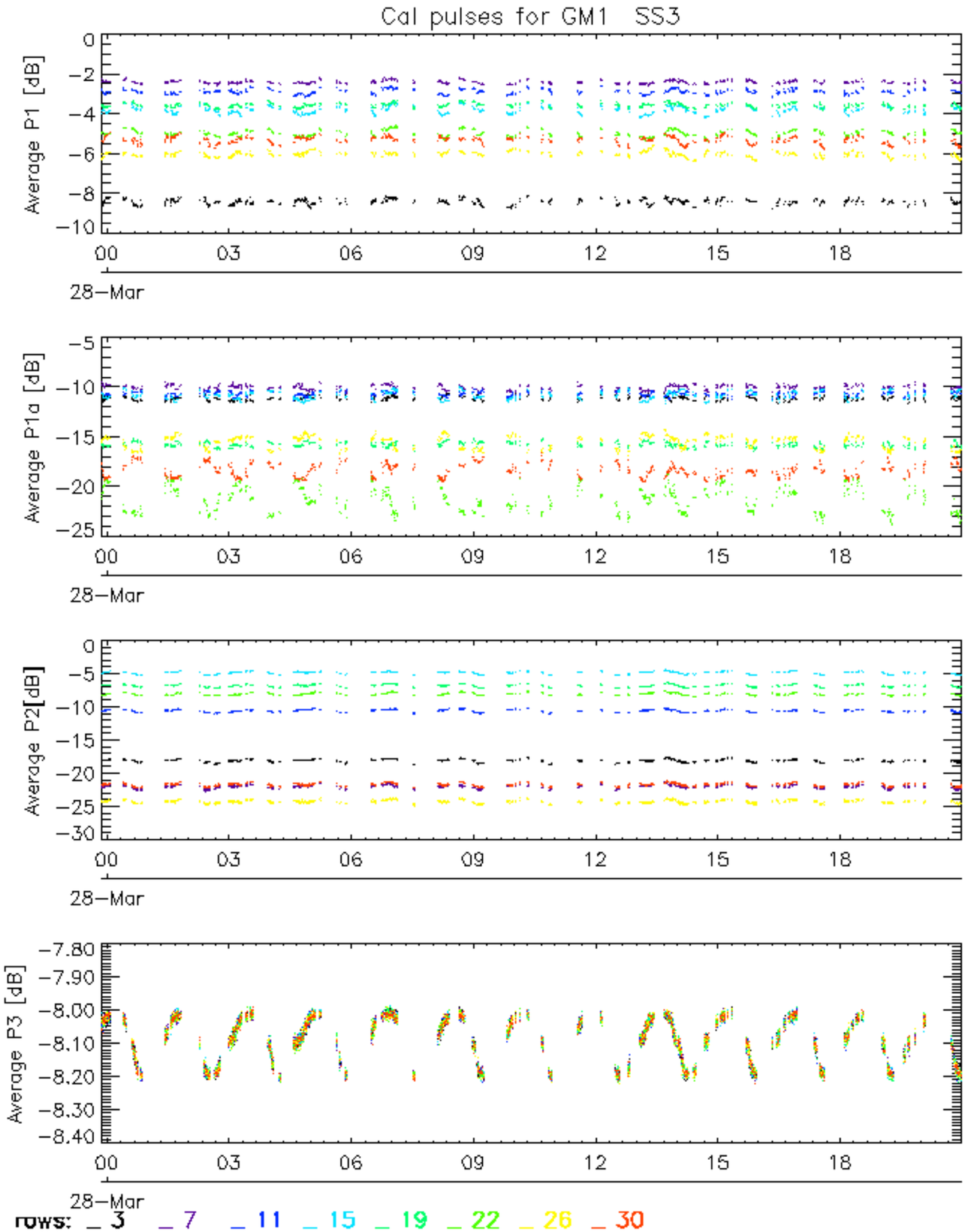
Acsending

Descending

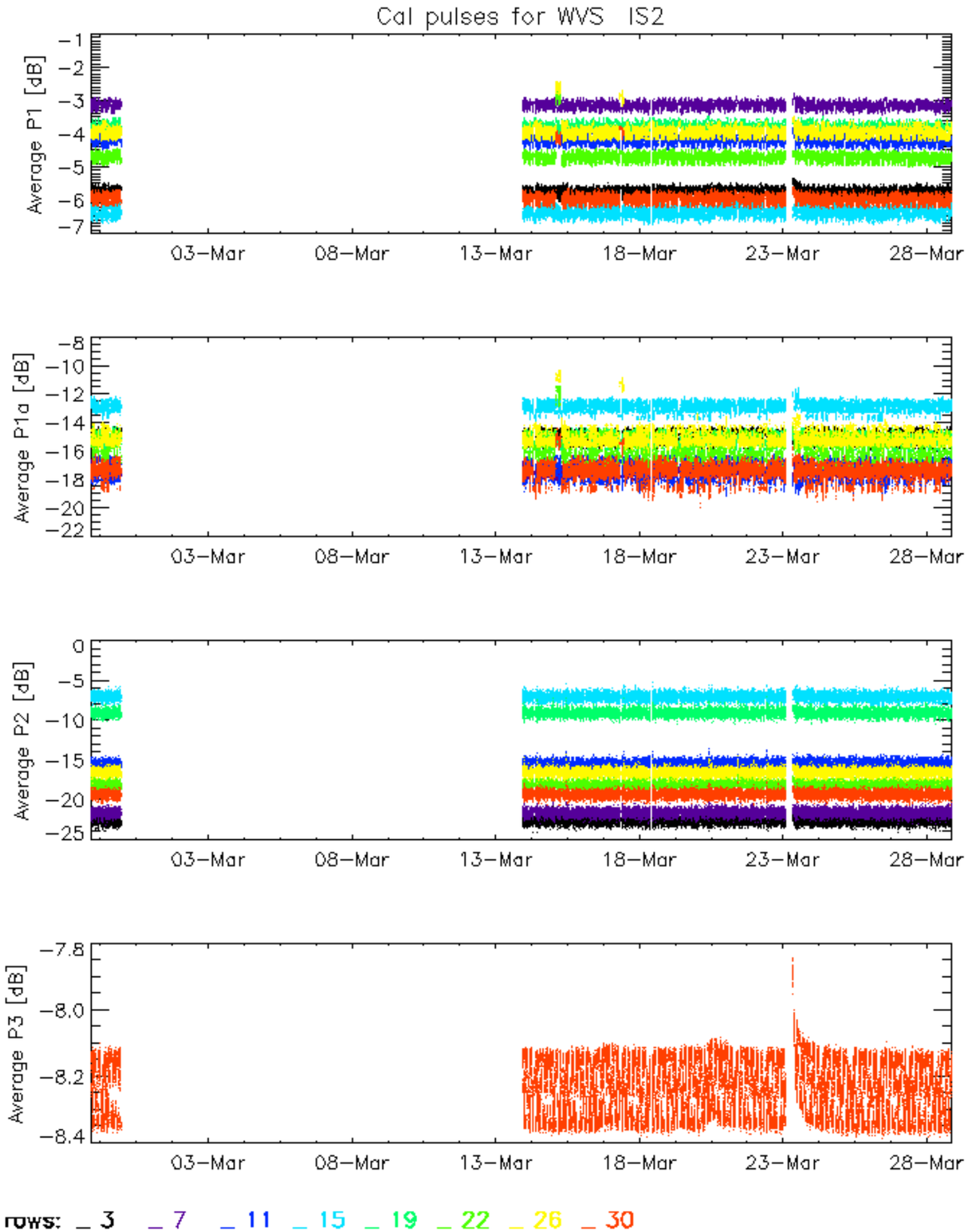
7.6 - Doppler evolution versus ANX for GM1

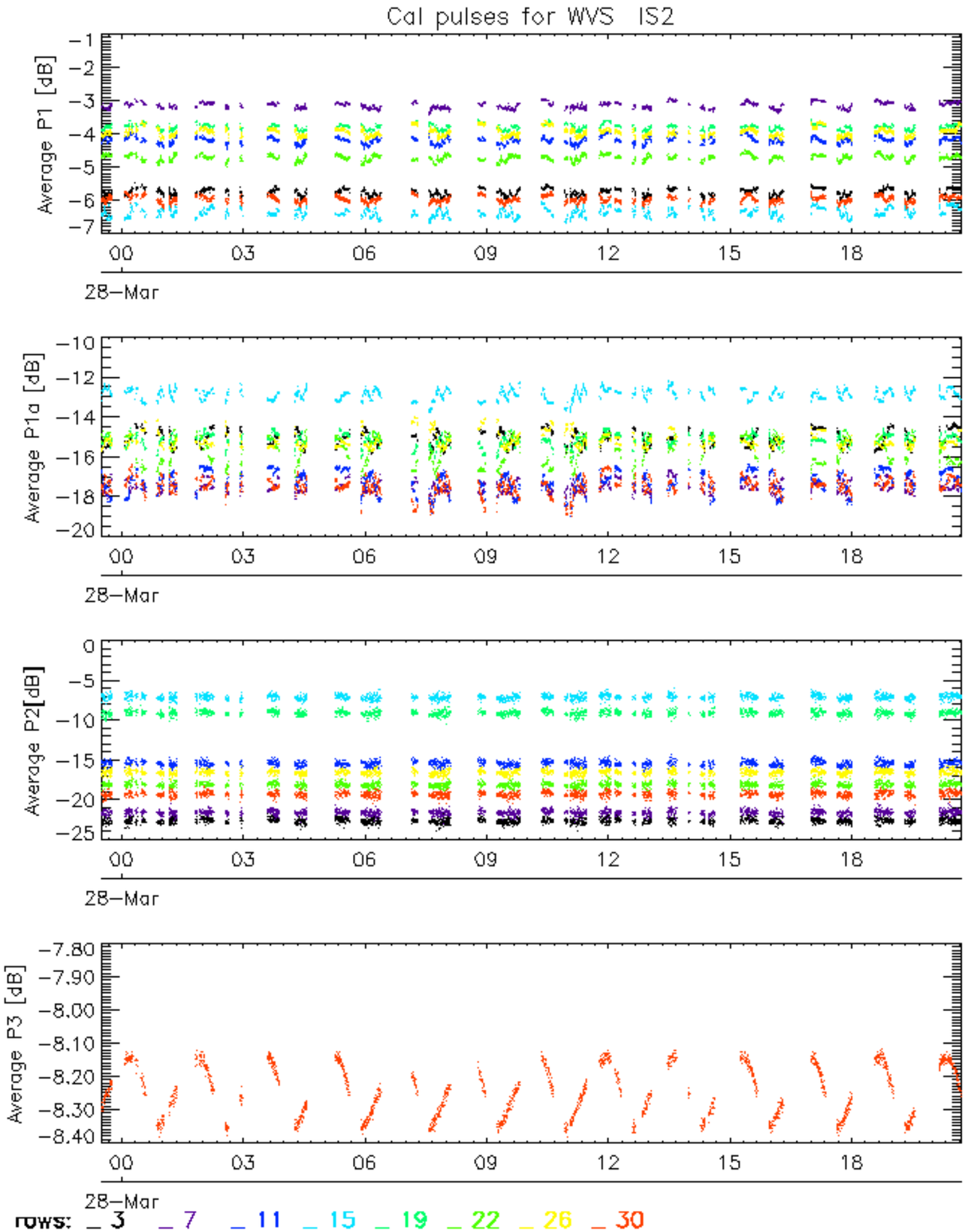
Evolution Doppler error versus ANX



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

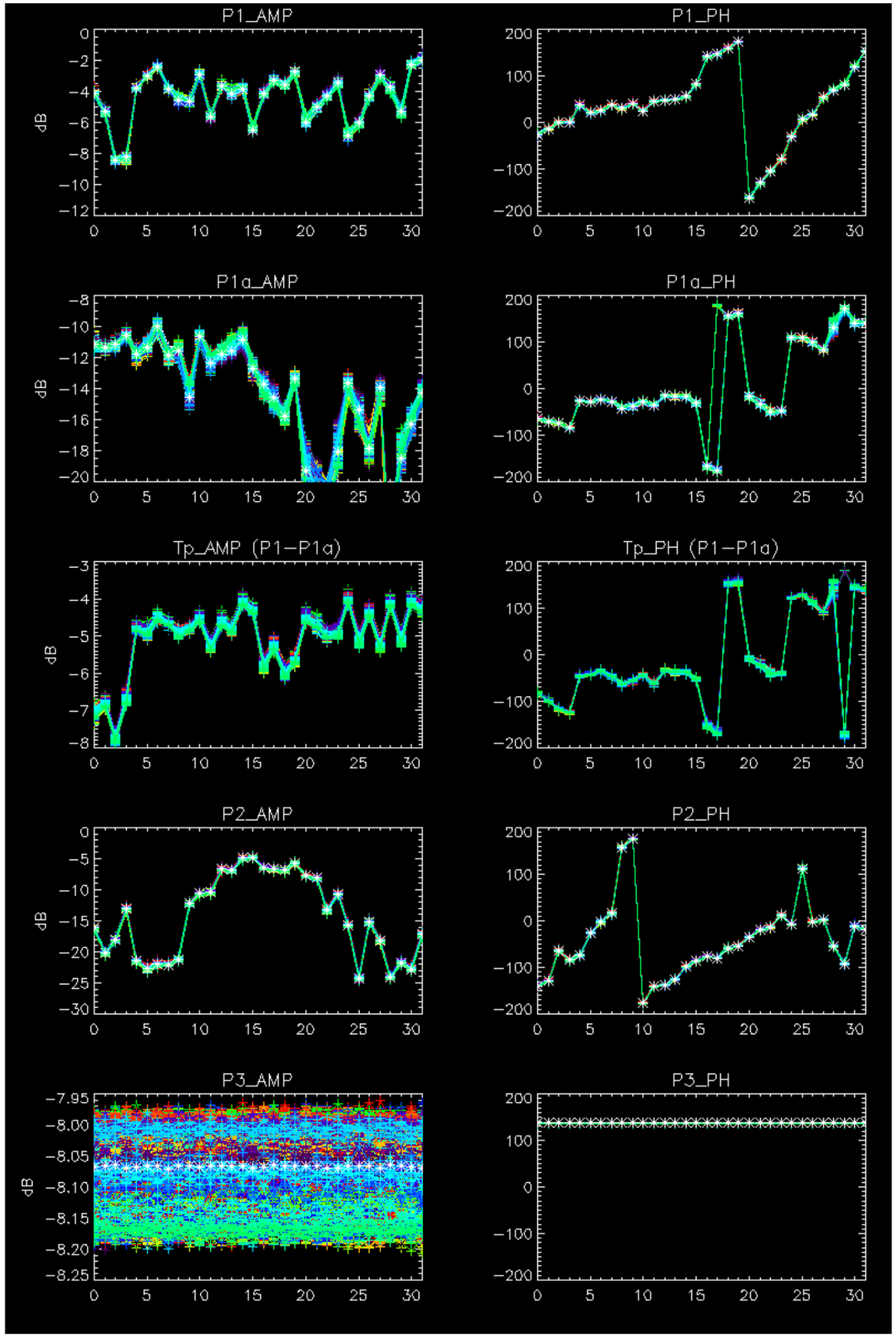

Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

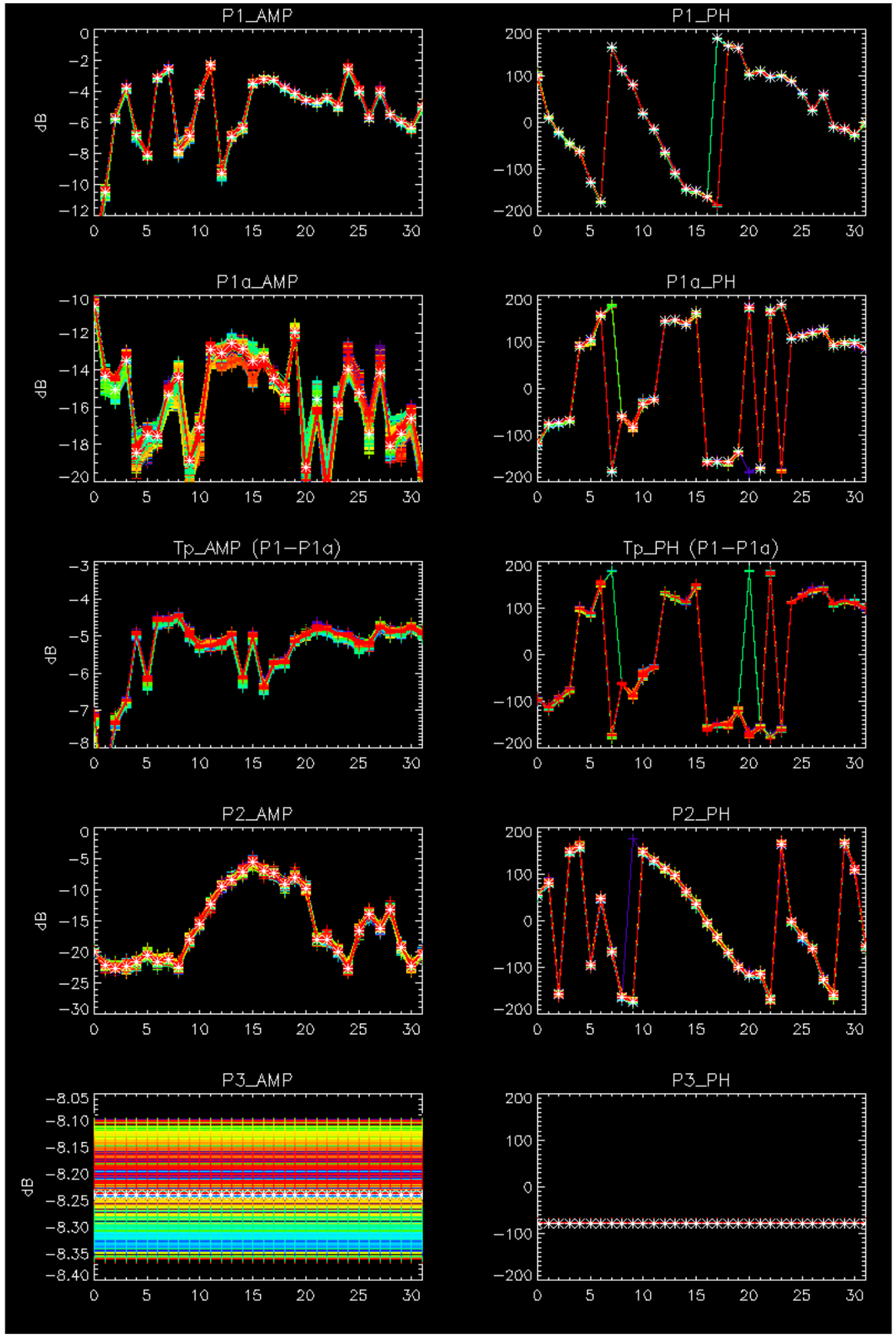

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
28−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
−22
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 WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
03
06
09
12
15
18
28−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
03
06
09
12
15
18
28−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
00
03
06
09
12
15
18
28−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
00
03
06
09
12
15
18
28−Mar
rows: 3 7 11 15 19 22 26 30

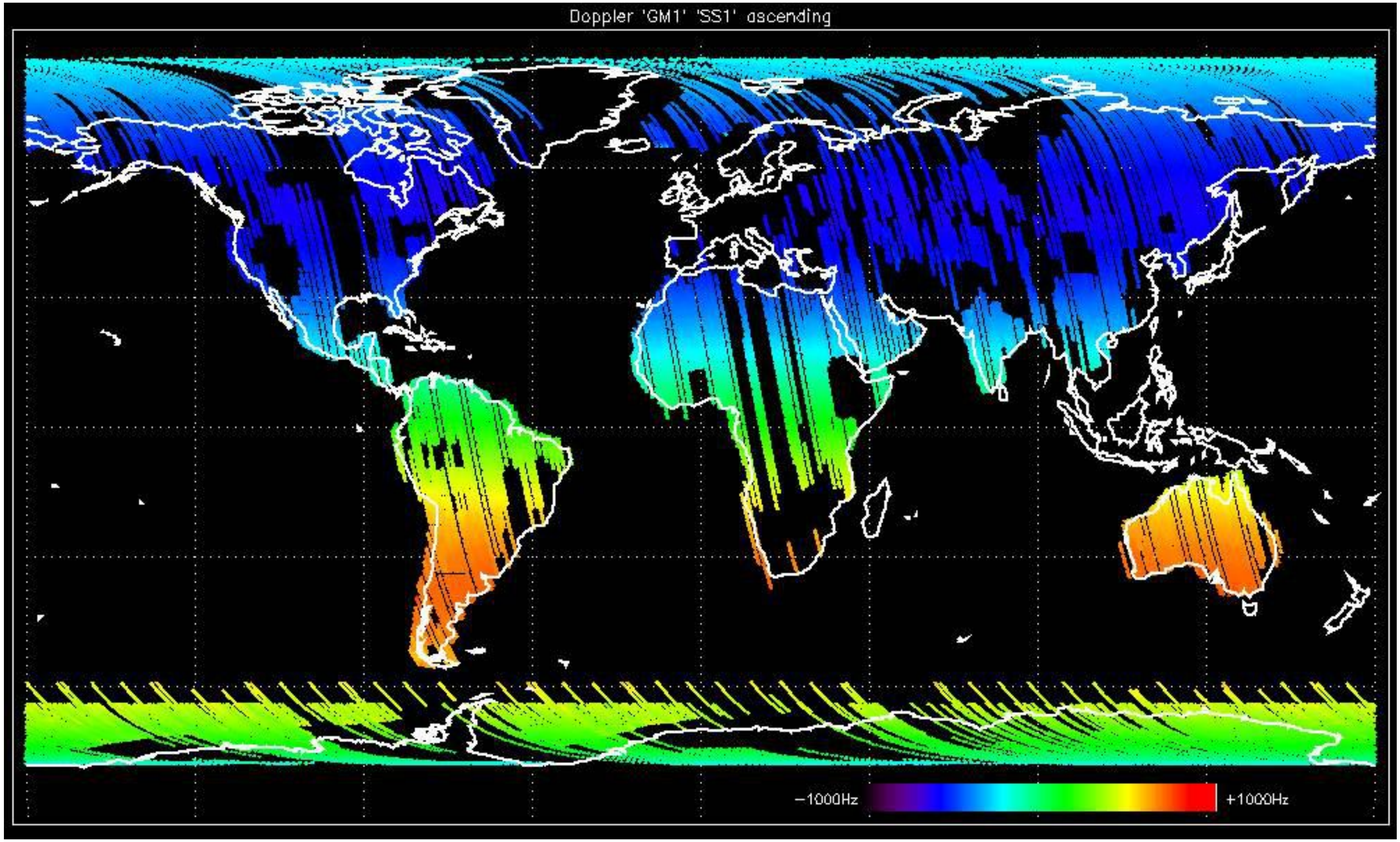
No anomalies observed.

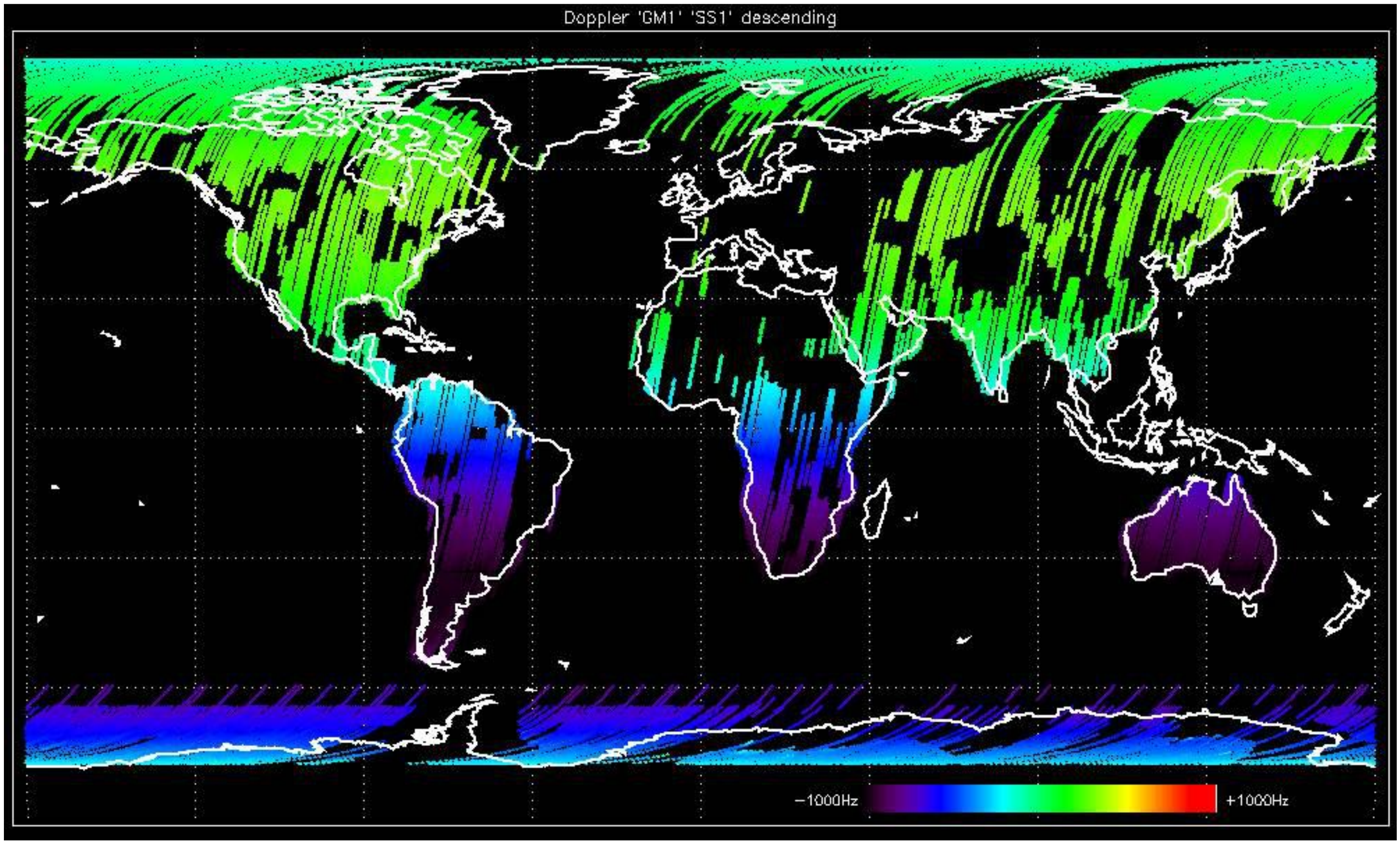

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

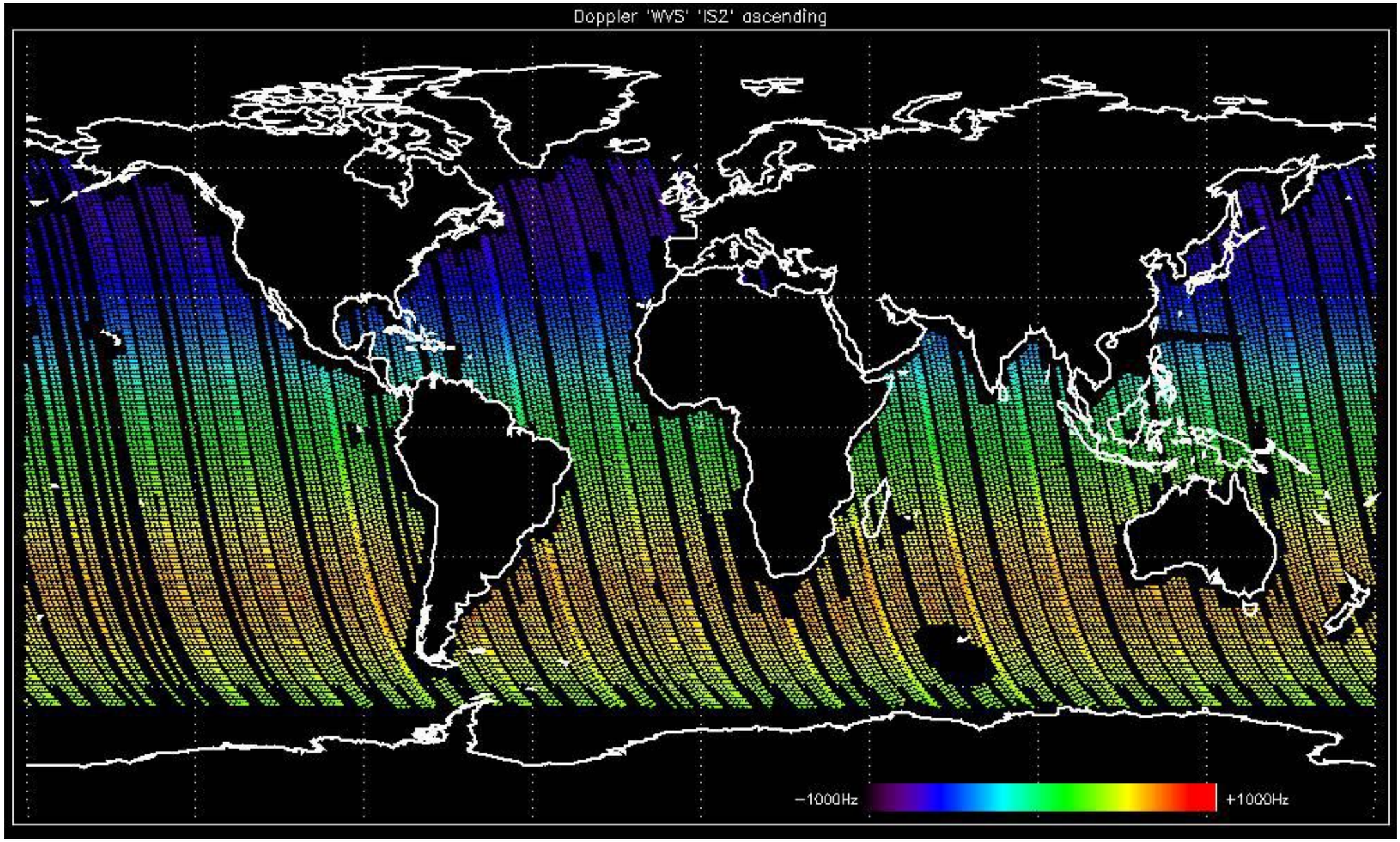

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

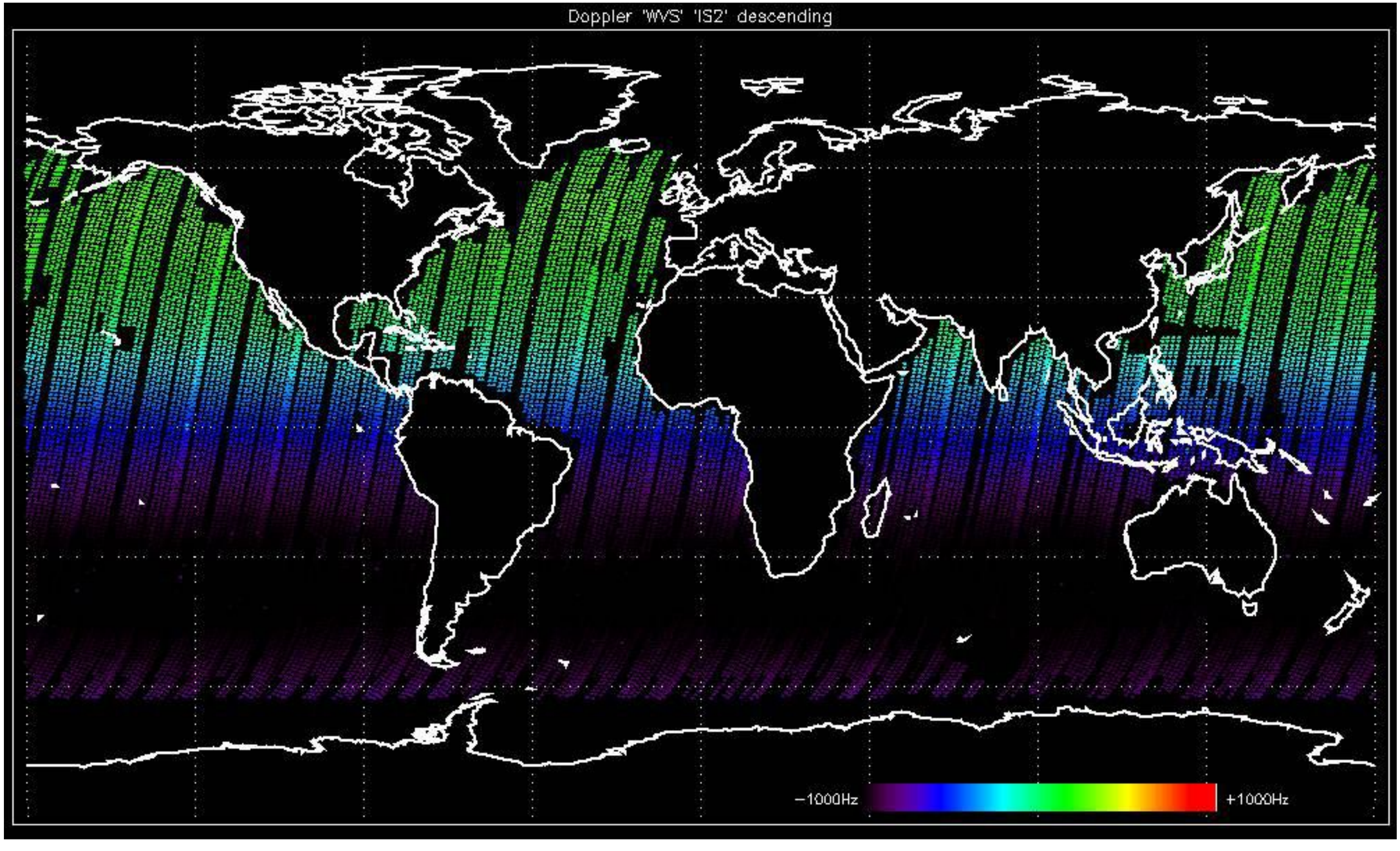
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

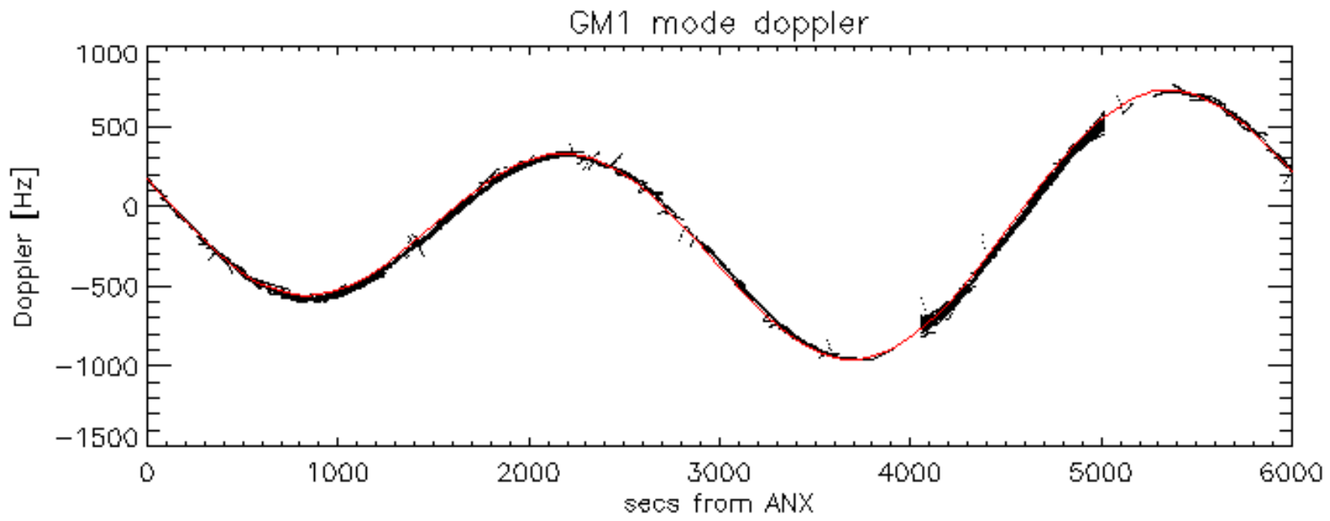
Preliminary report.The data is not yet controled

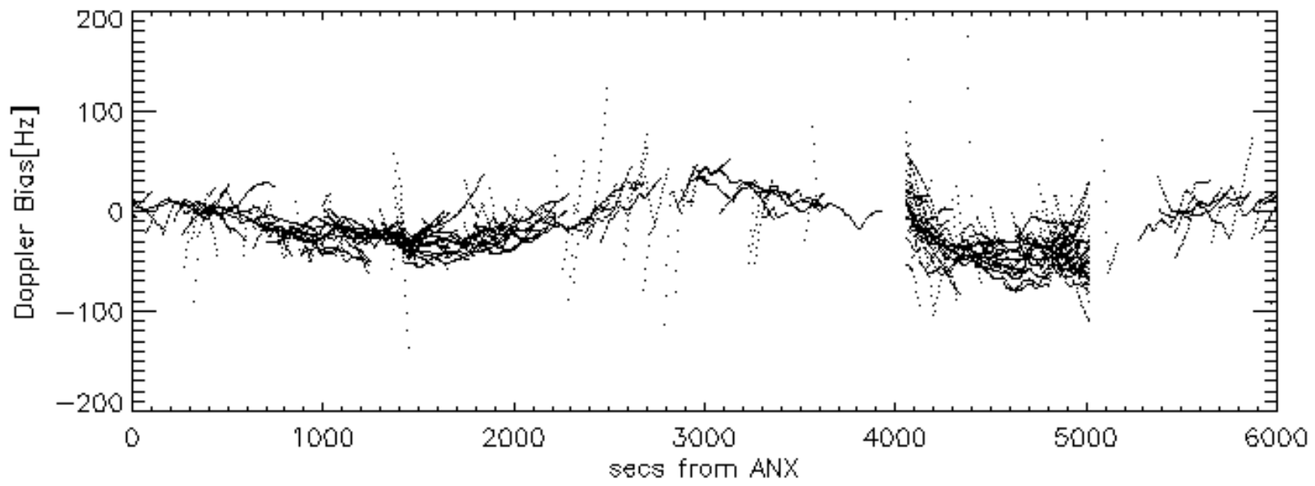

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

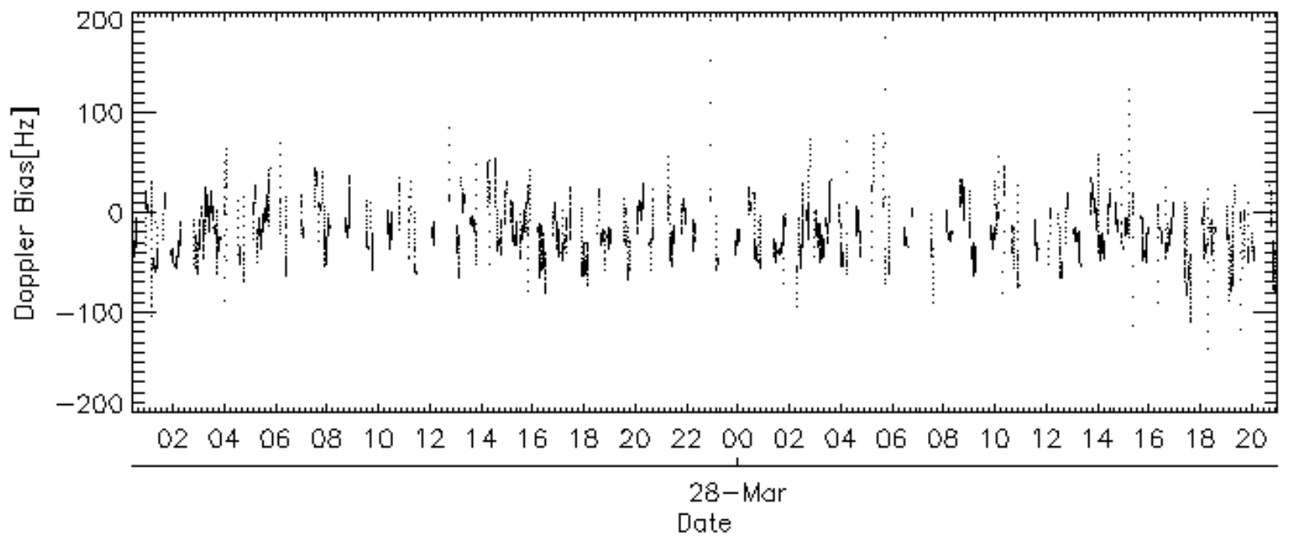

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

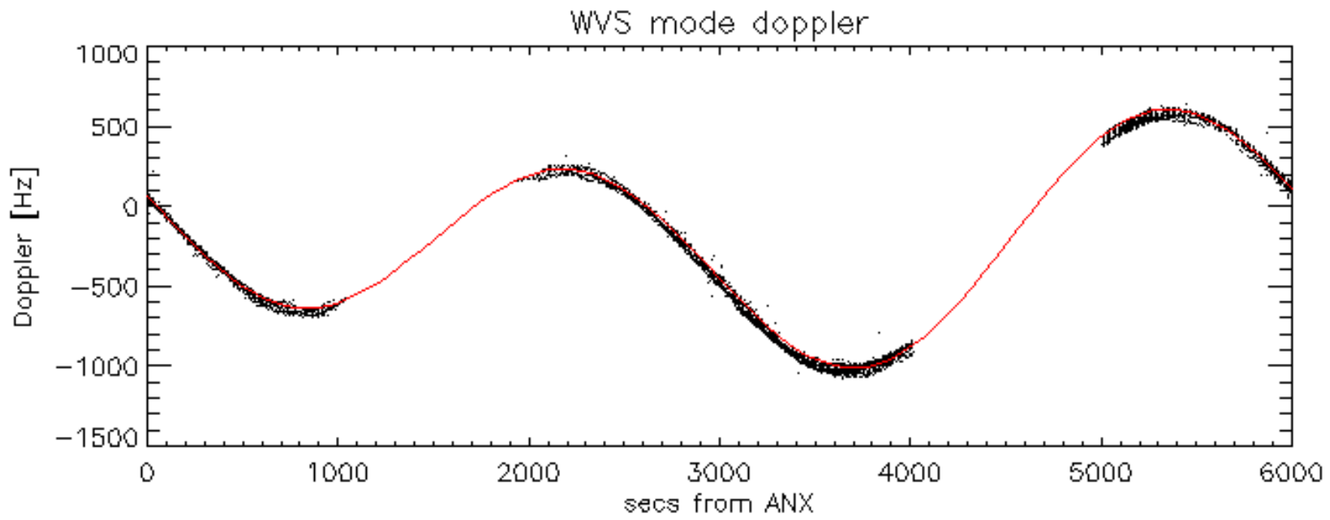

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

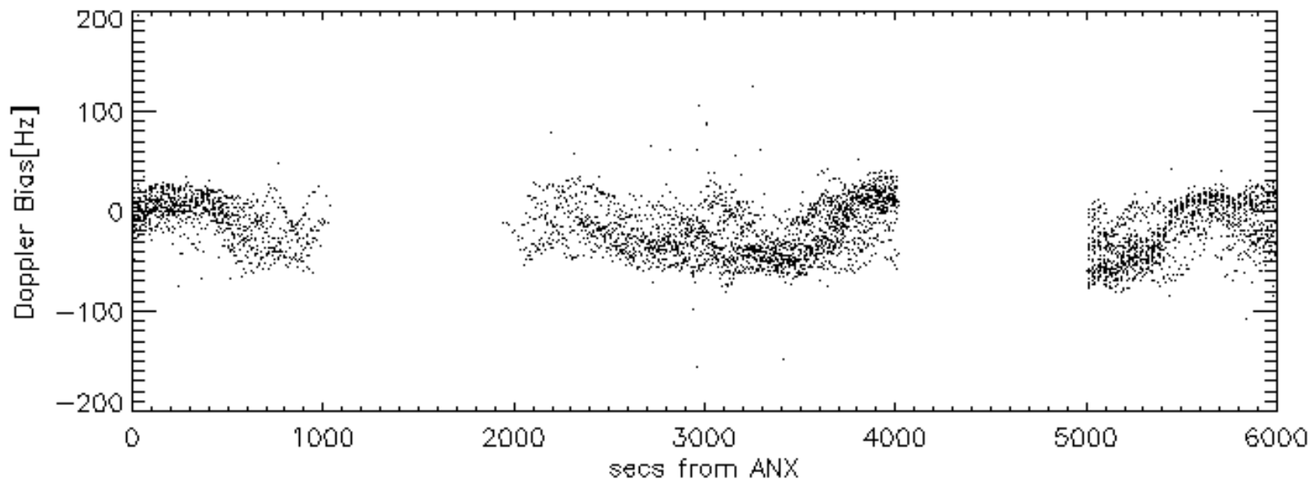

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

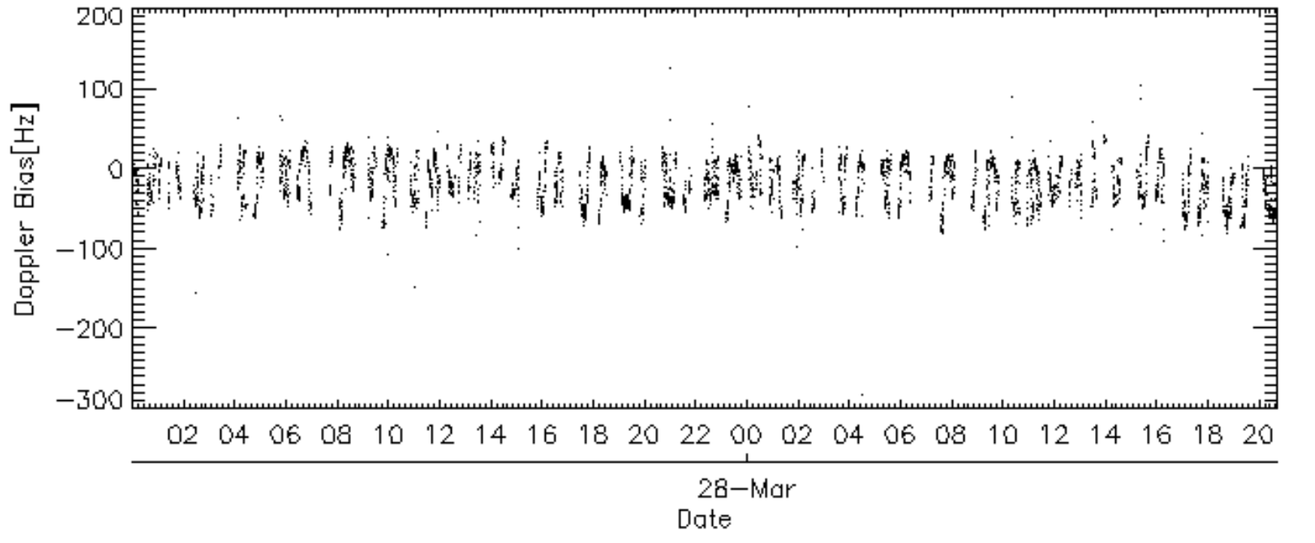

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

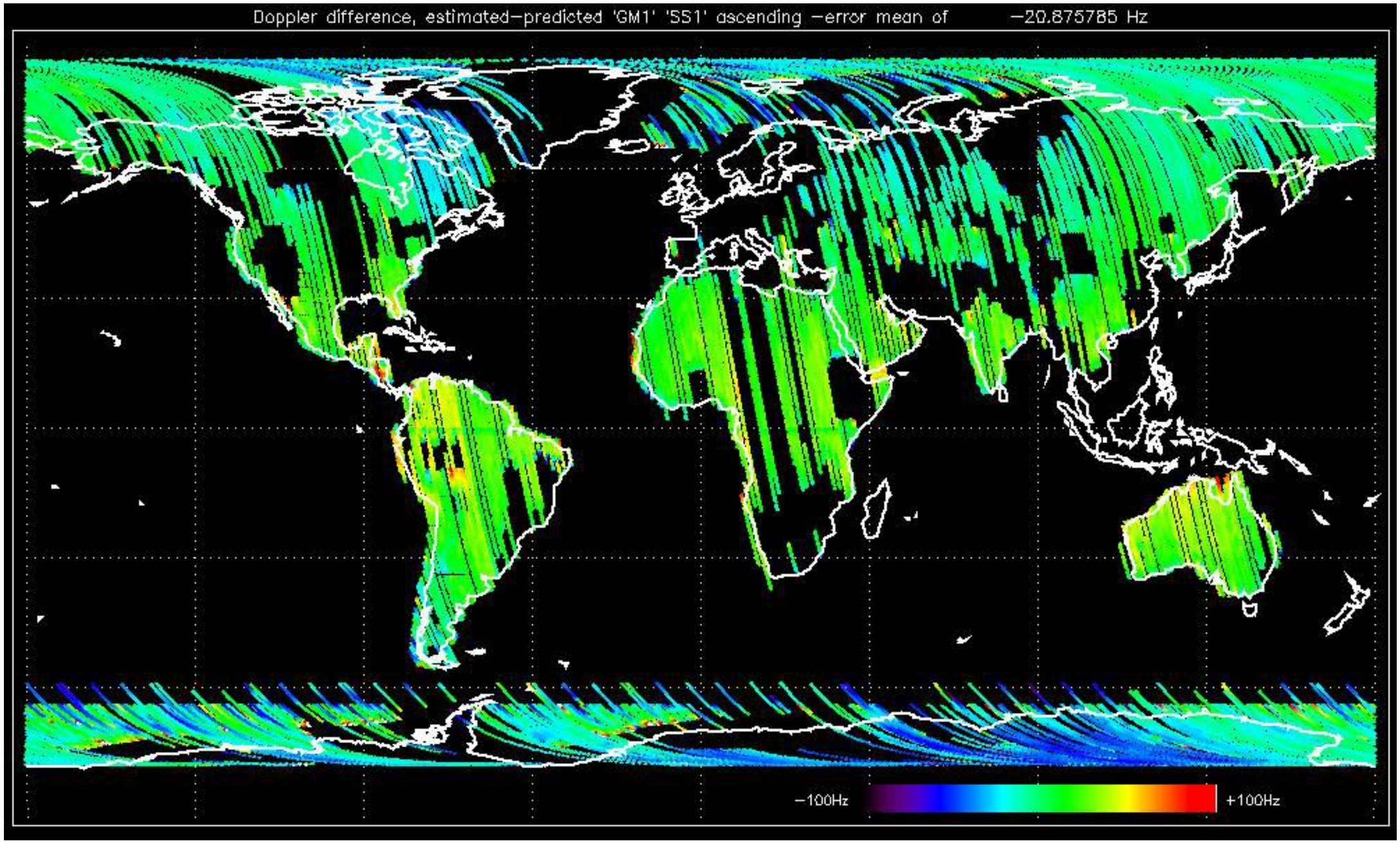

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

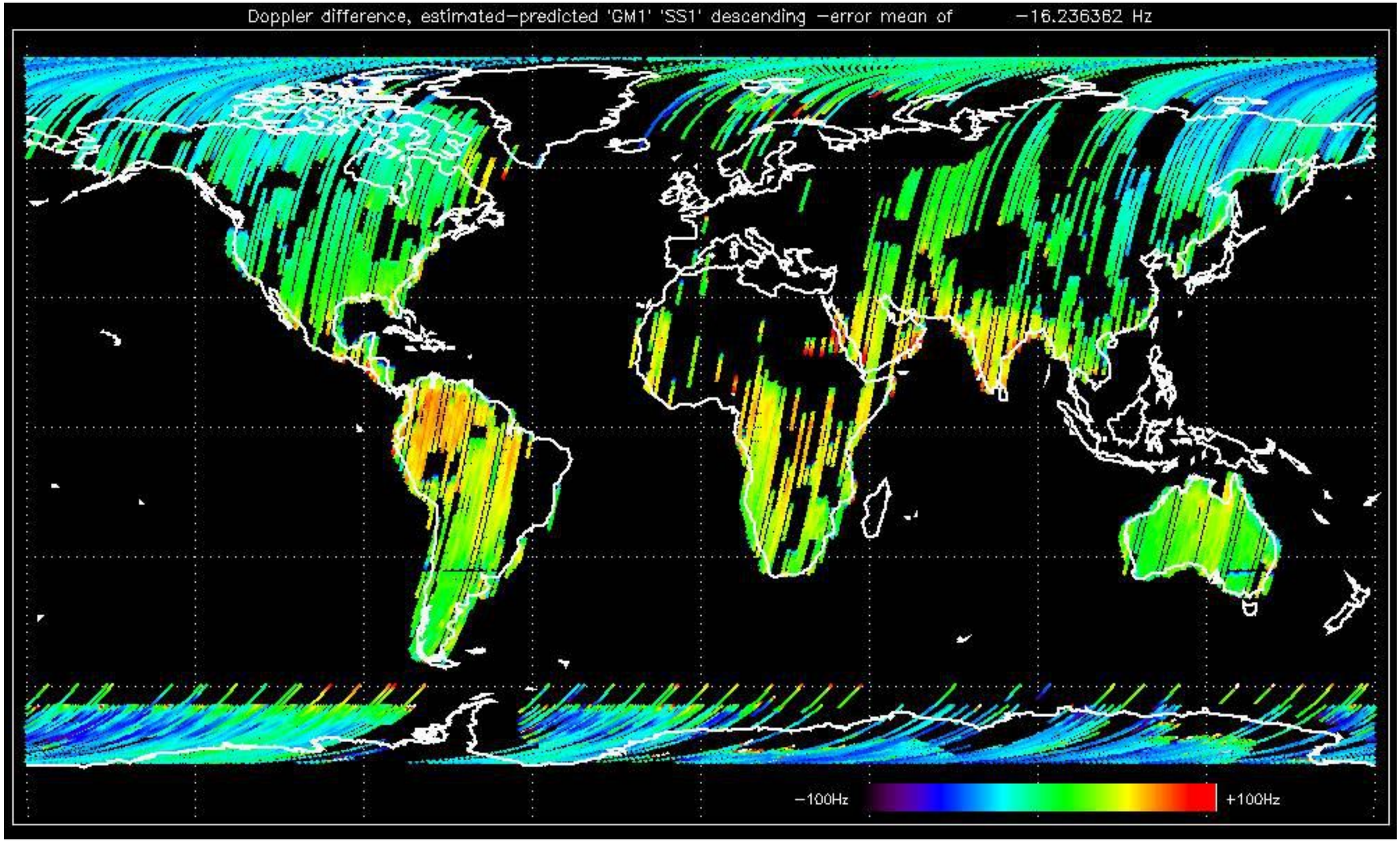

Doppler Bias[Hz]
200
100
0
−100
−200
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18 20
28−Mar
Date

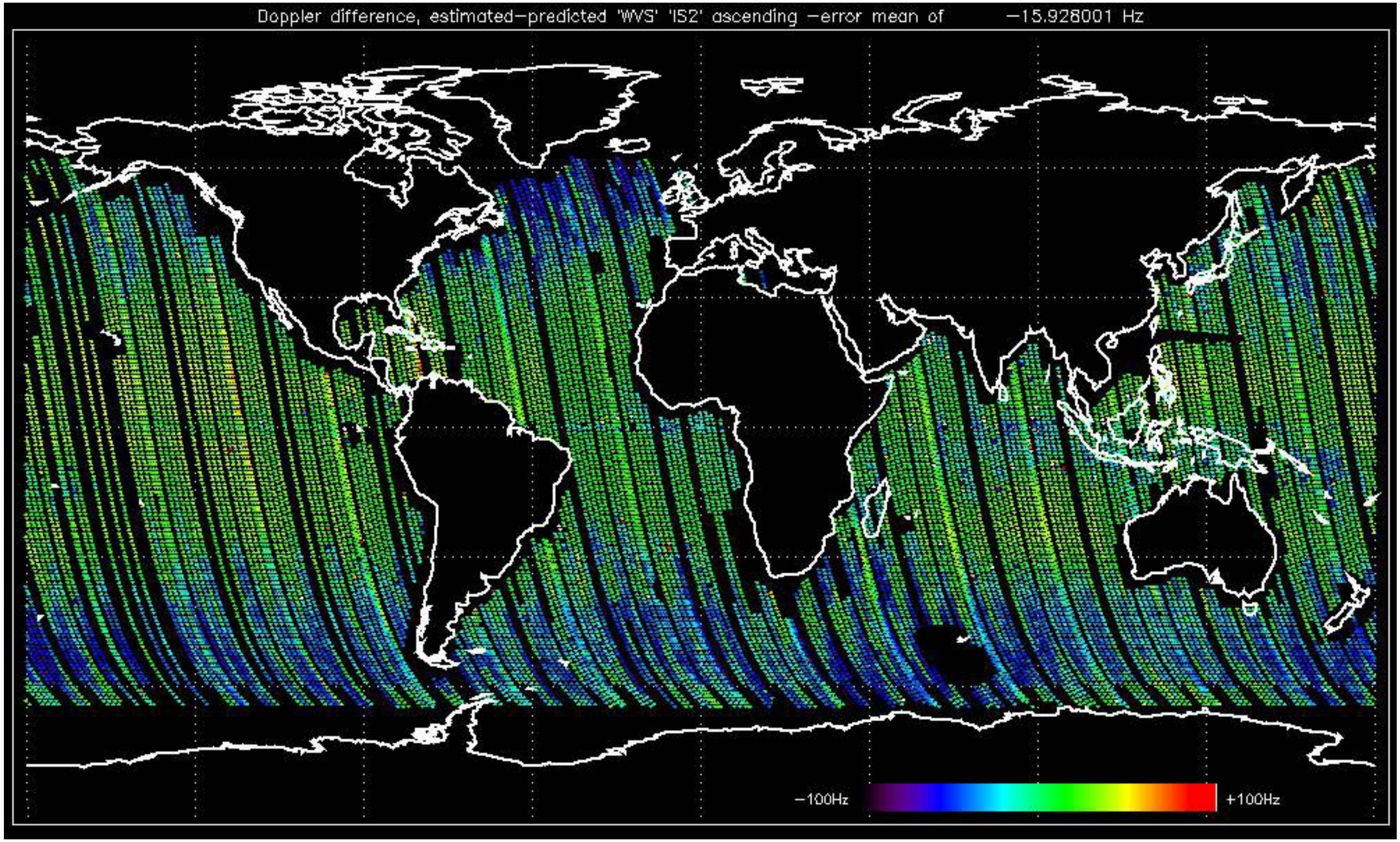

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

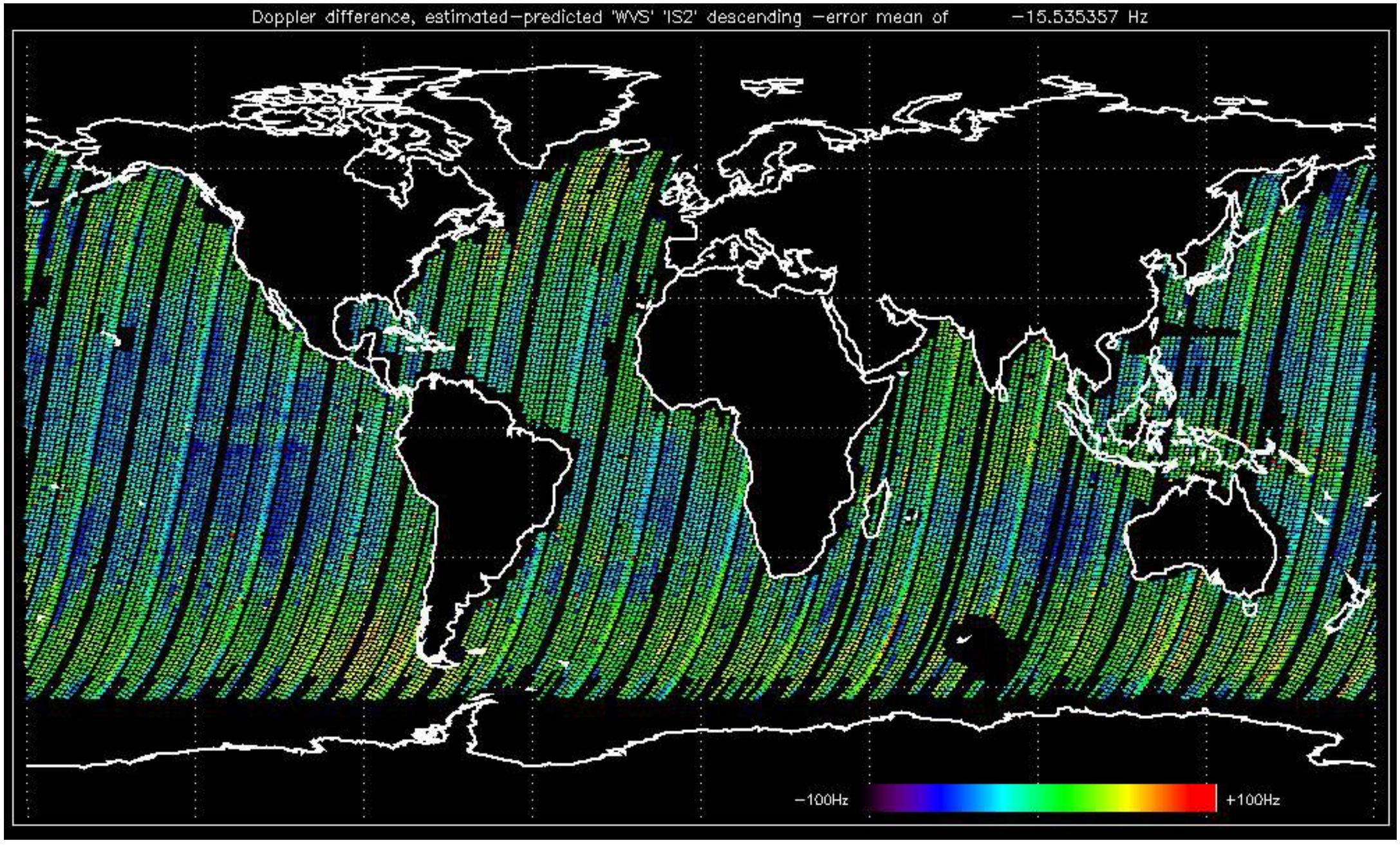

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.875785 Hz
−100Hz
+100Hz

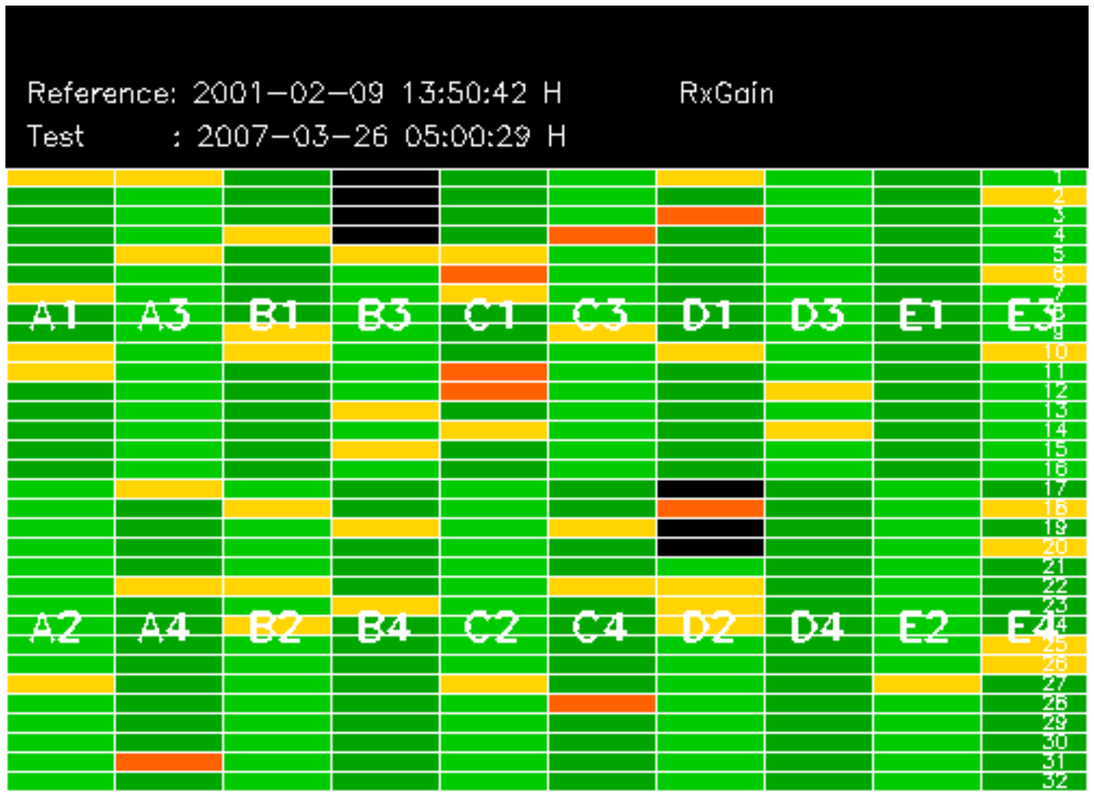

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.236362 Hz
−100Hz
+100Hz

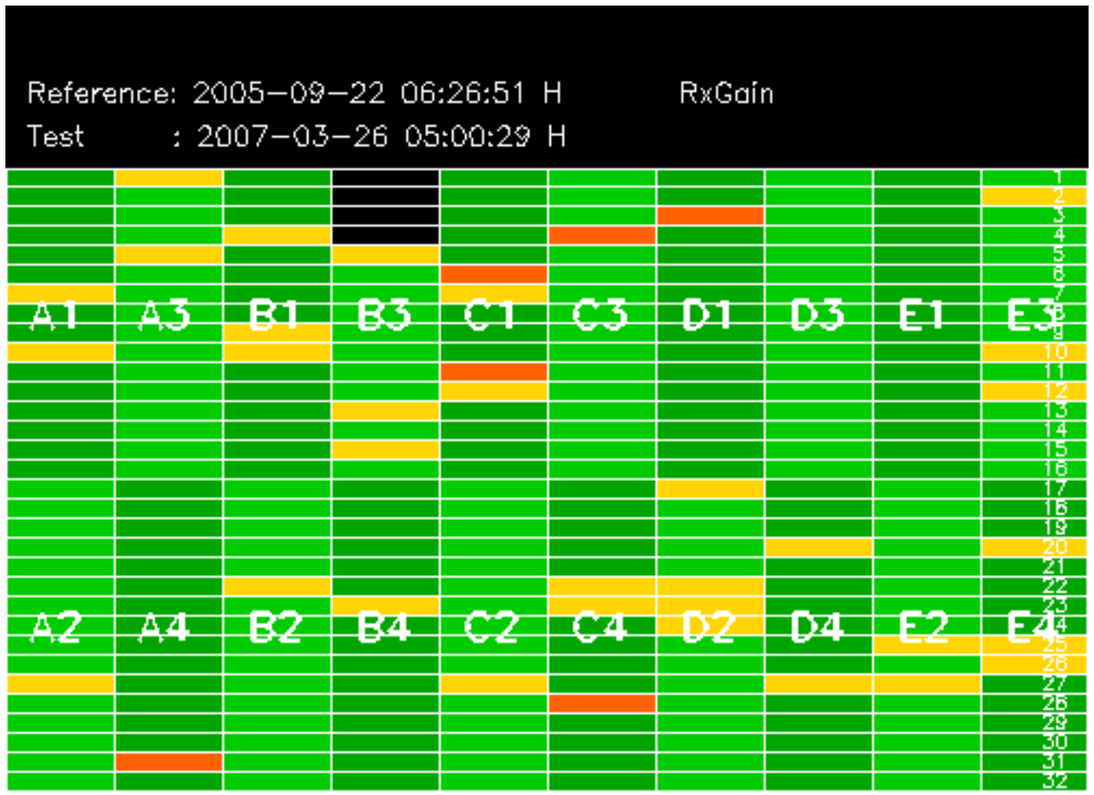

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.928001 Hz
−100Hz
+100Hz

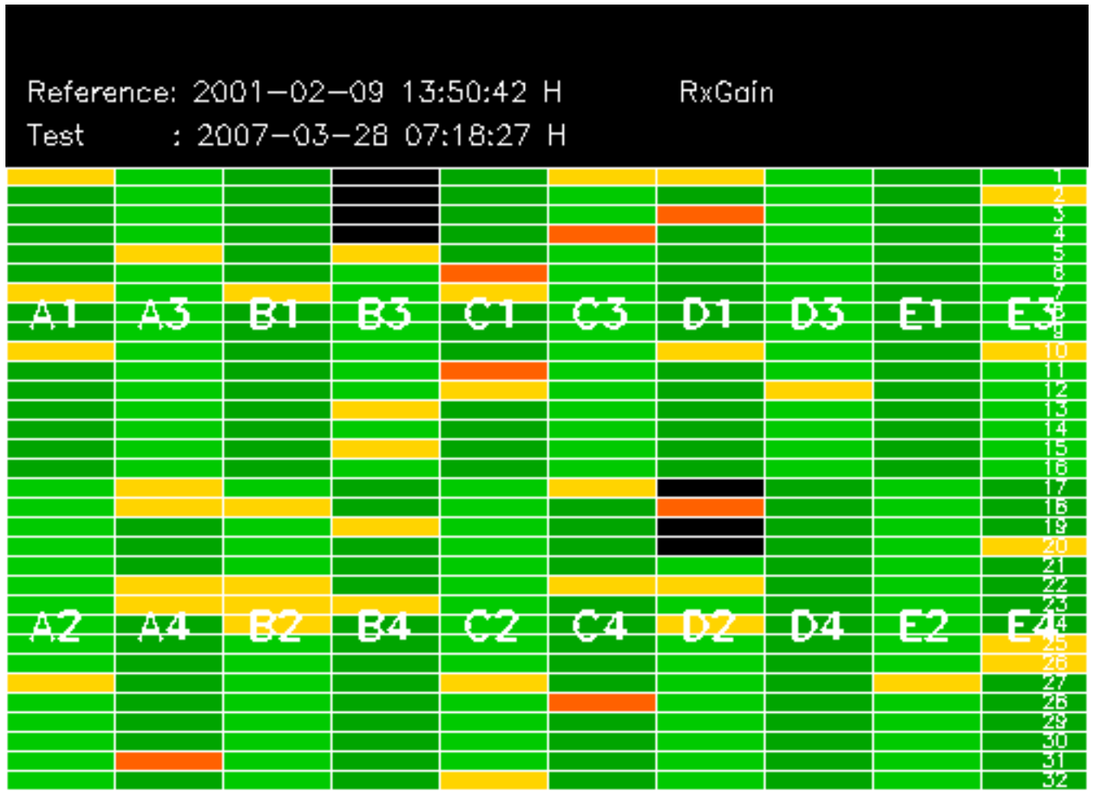

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −15.535357 Hz
−100Hz
+100Hz

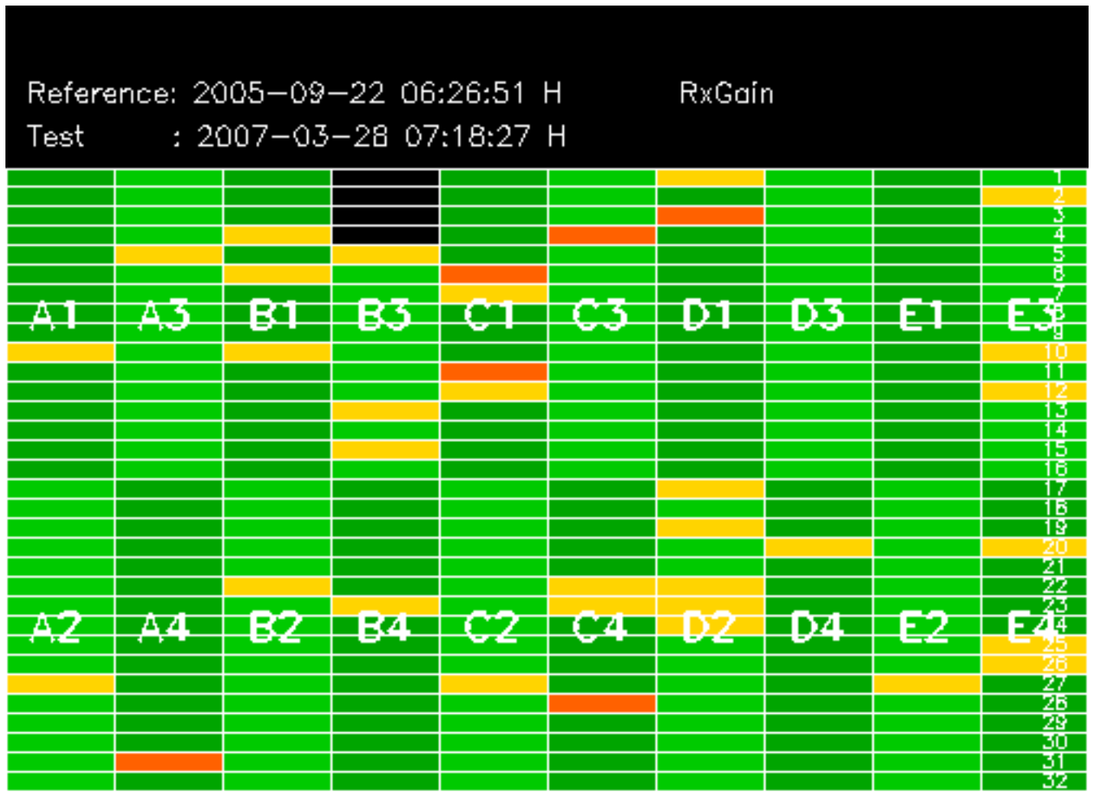
No anomalies observed on available MS products:

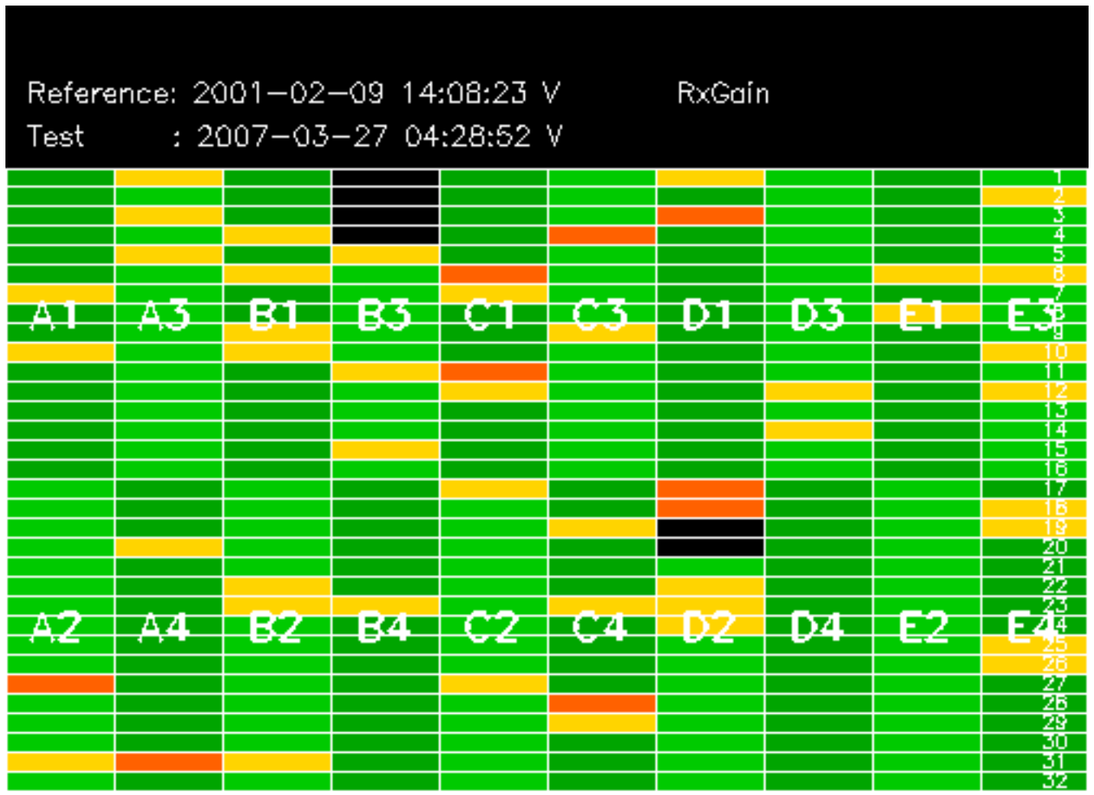
No anomalies observed.

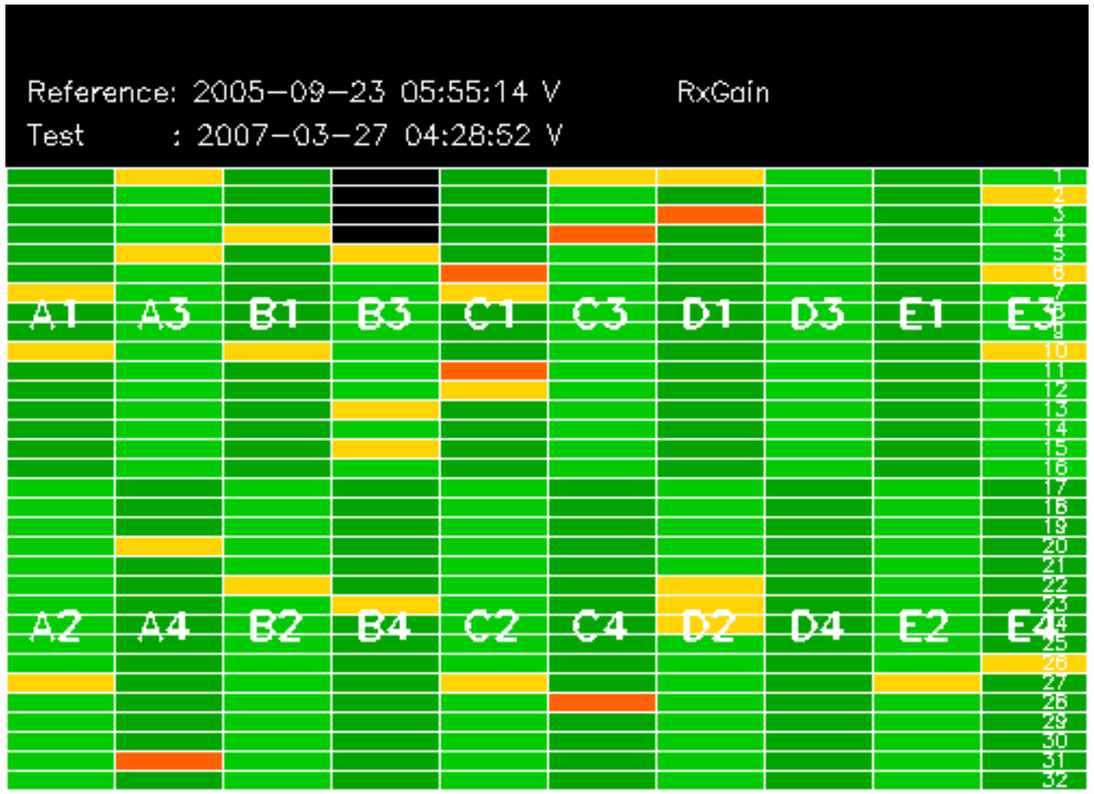

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-26 05:00:29 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-28 07:18:27 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-28 07:18:27 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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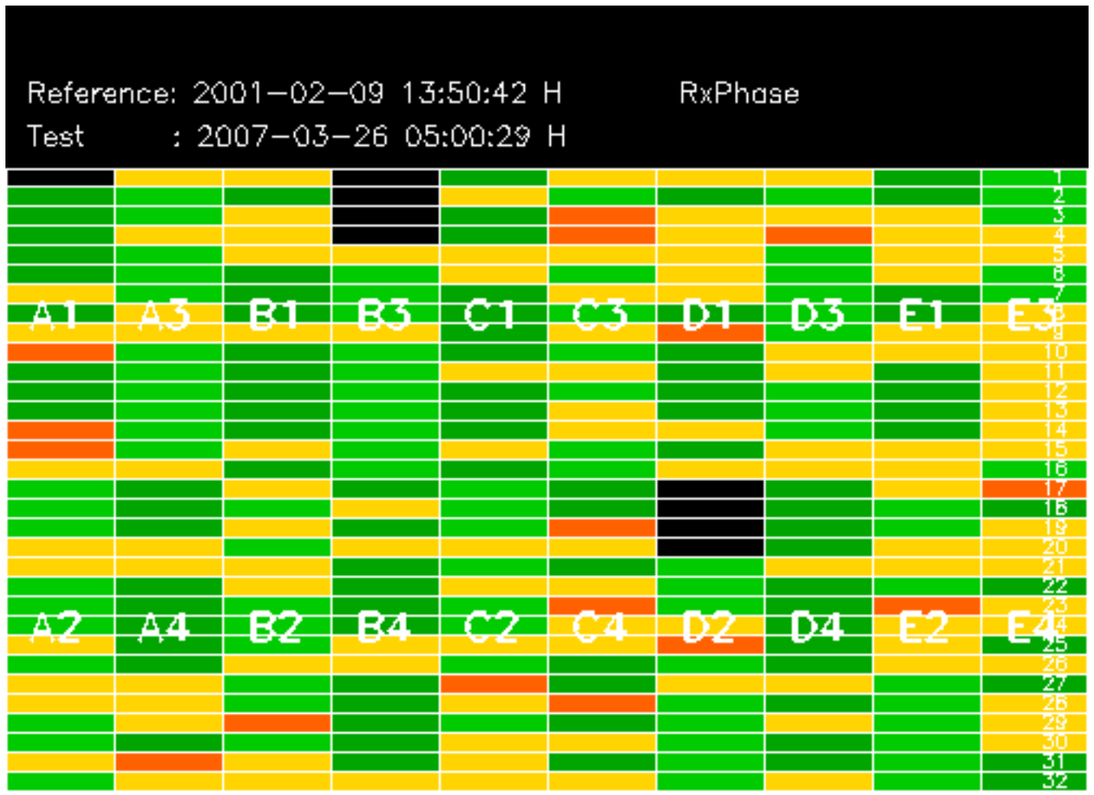
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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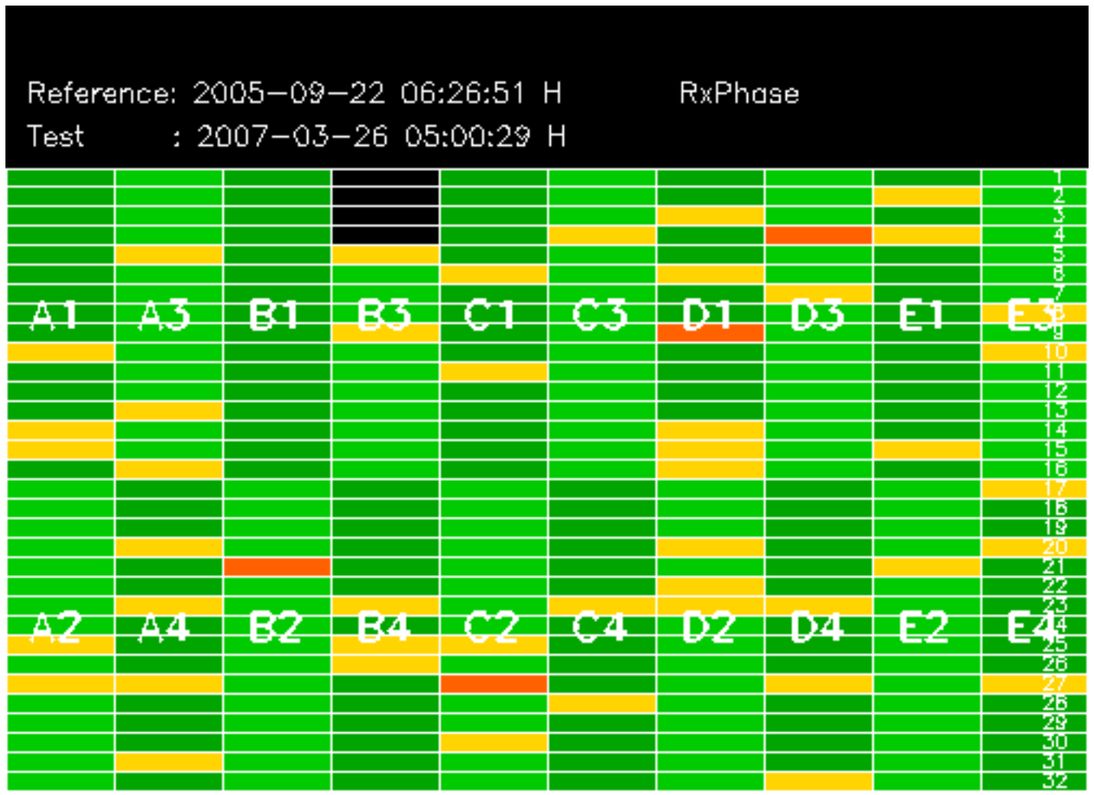
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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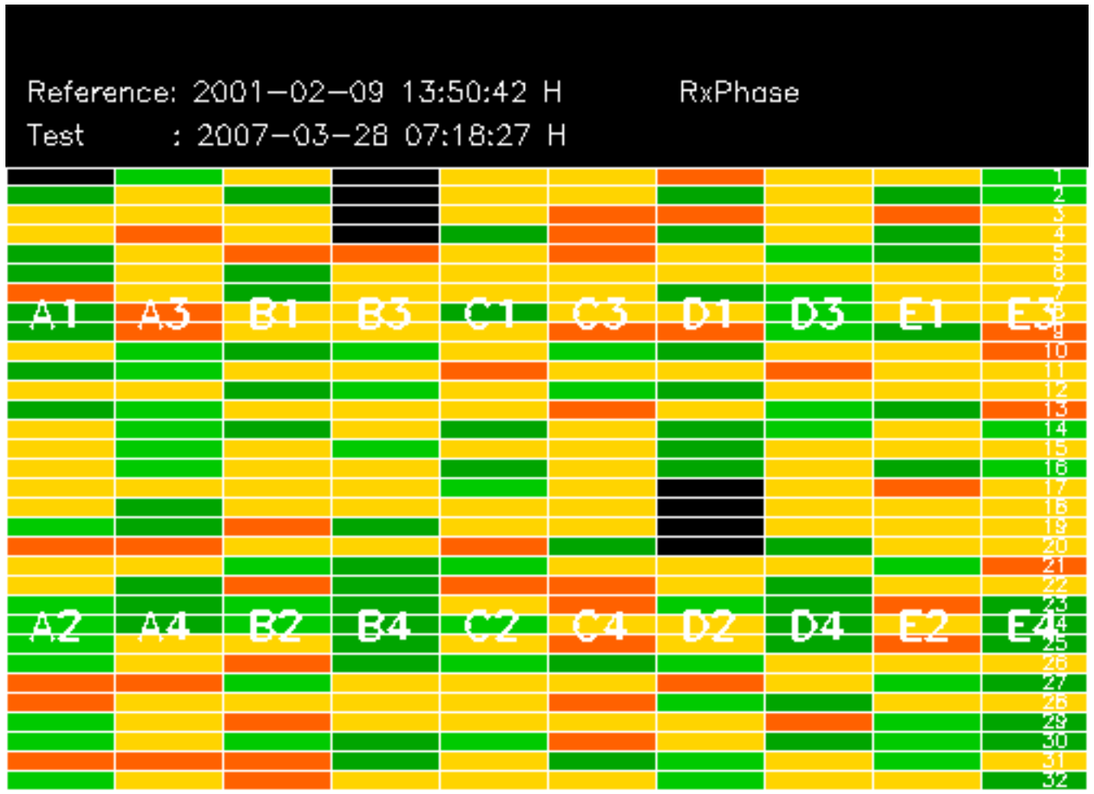
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-28 07:18:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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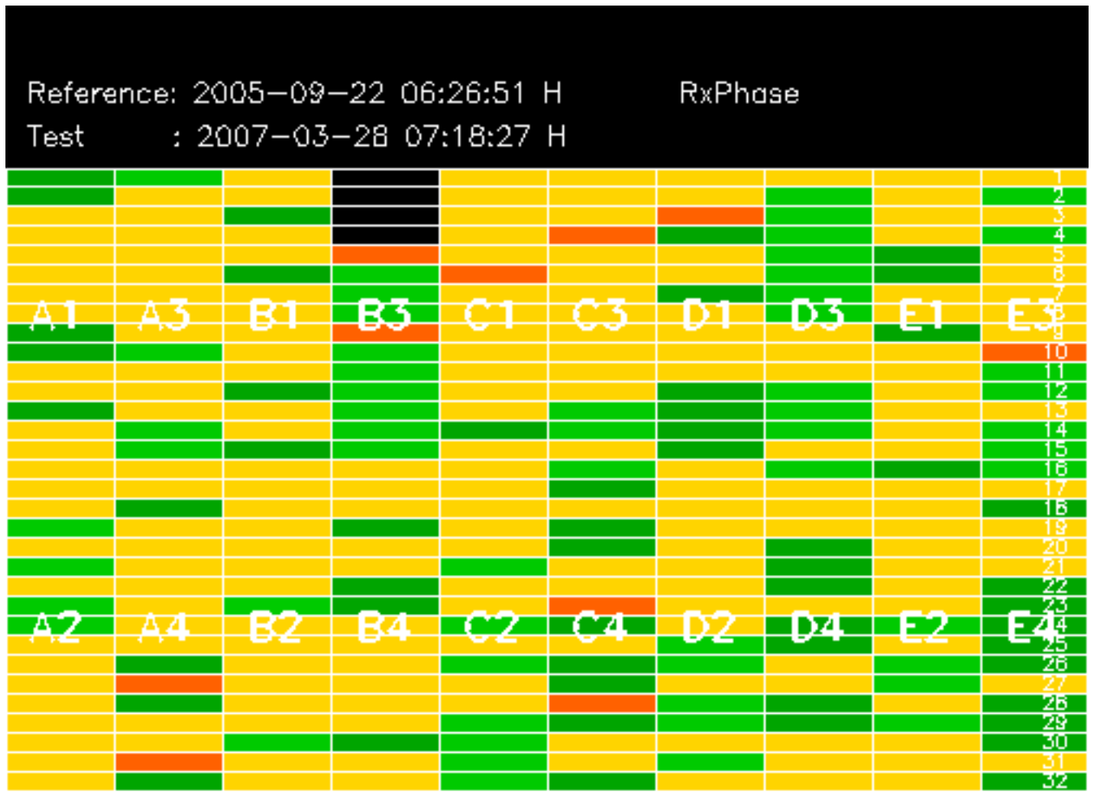
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-28 07:18:27 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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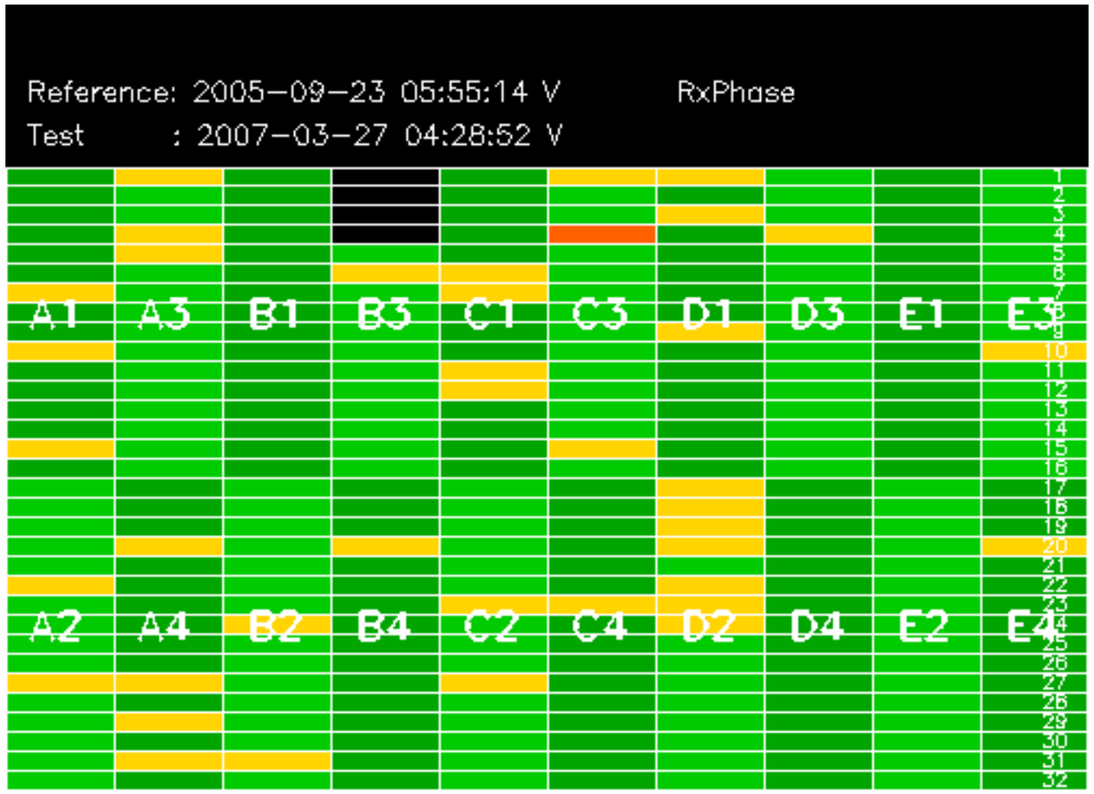
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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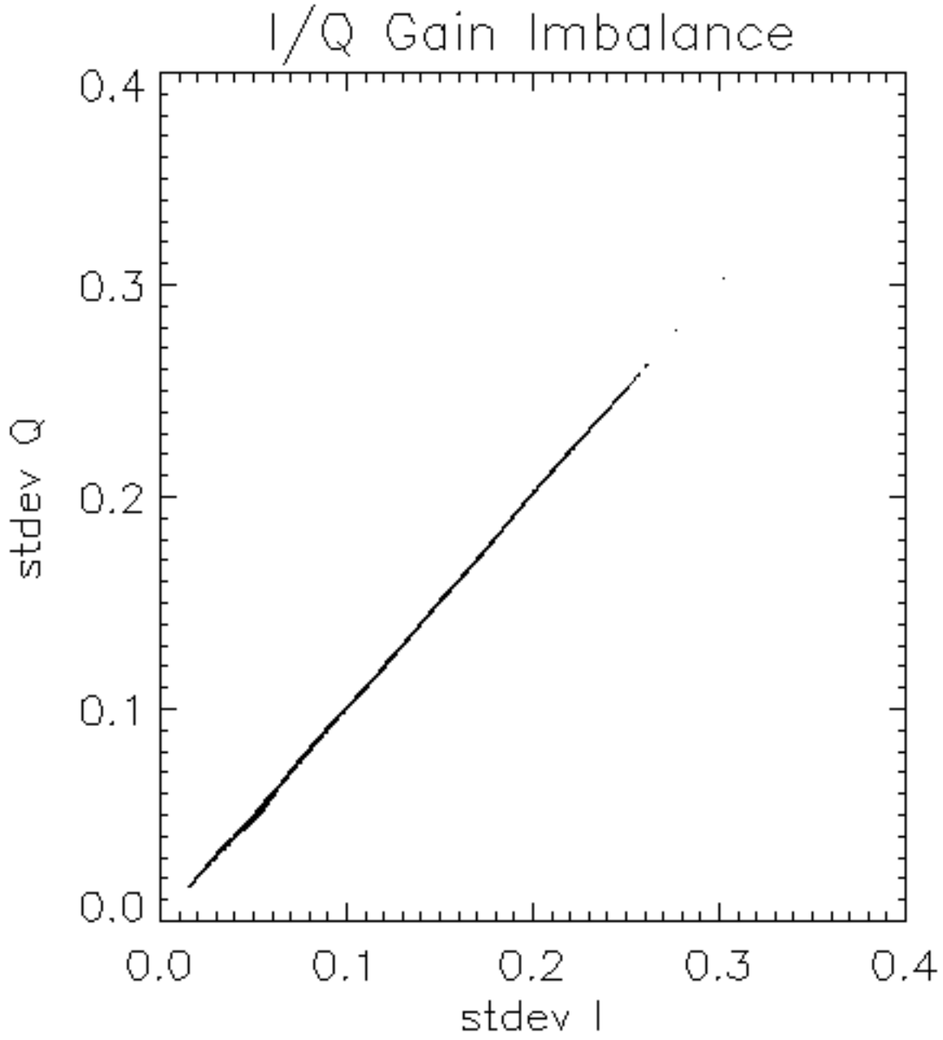
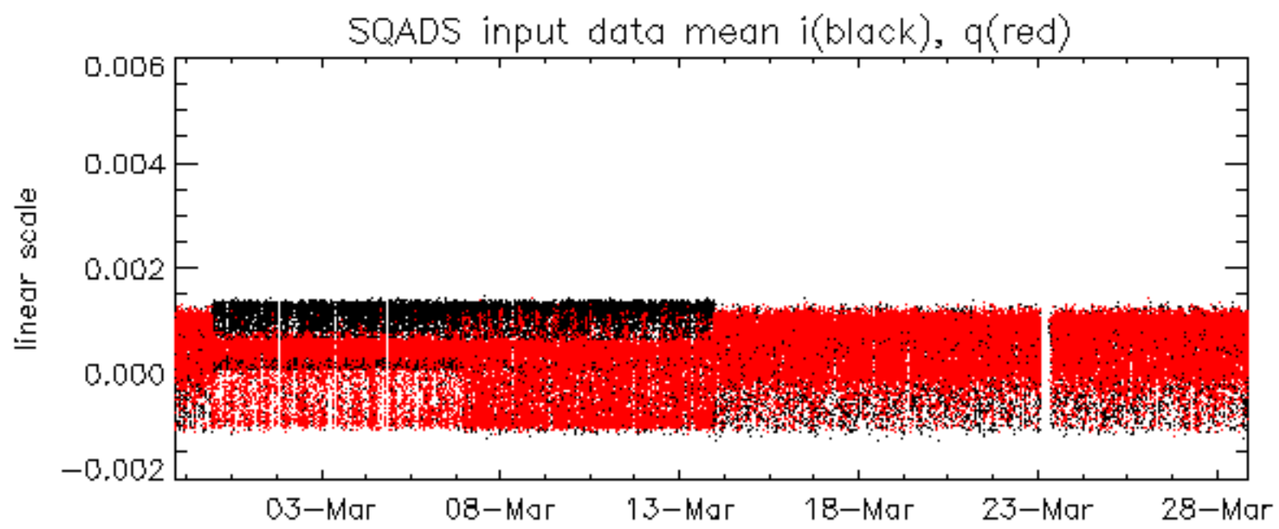
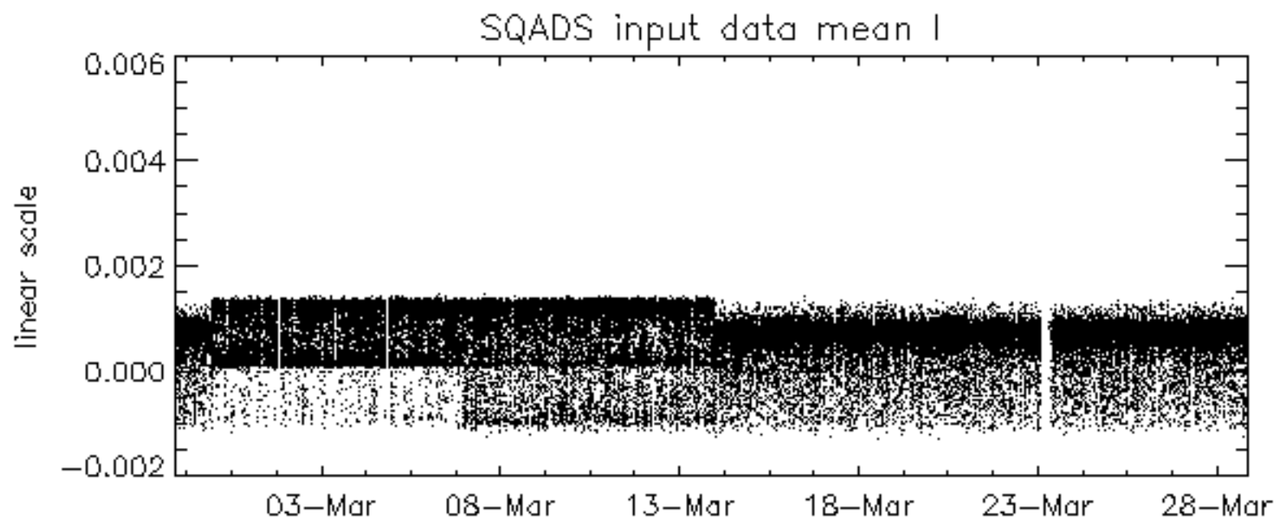
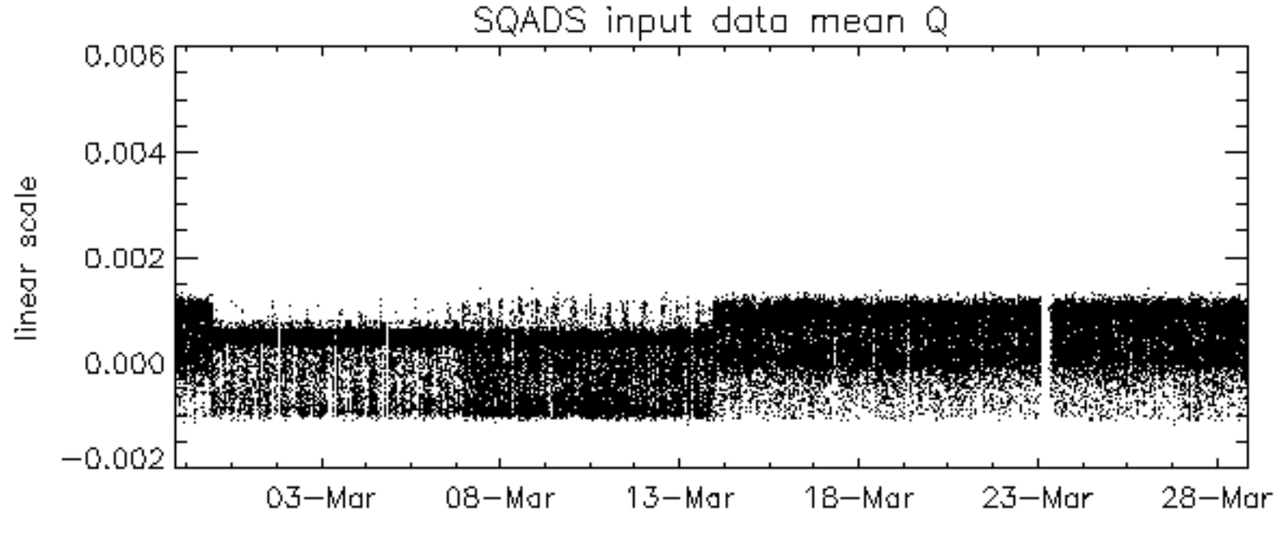
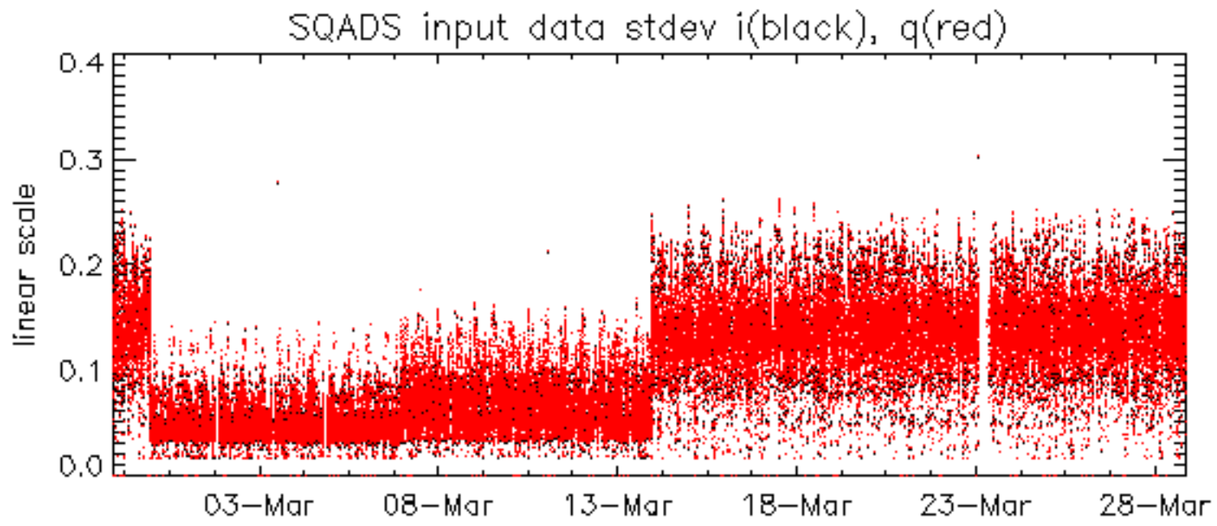
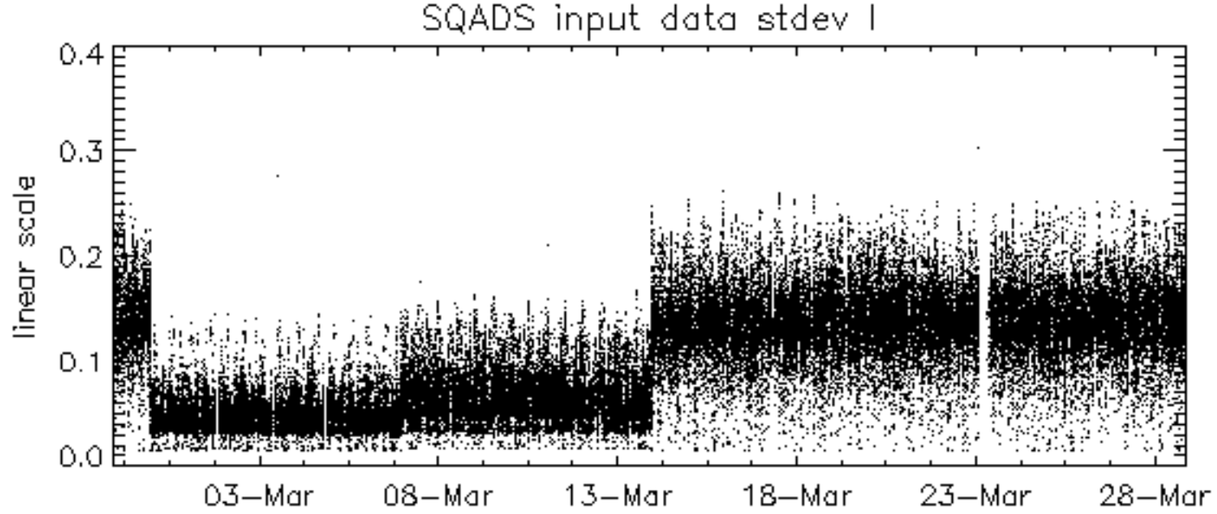

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

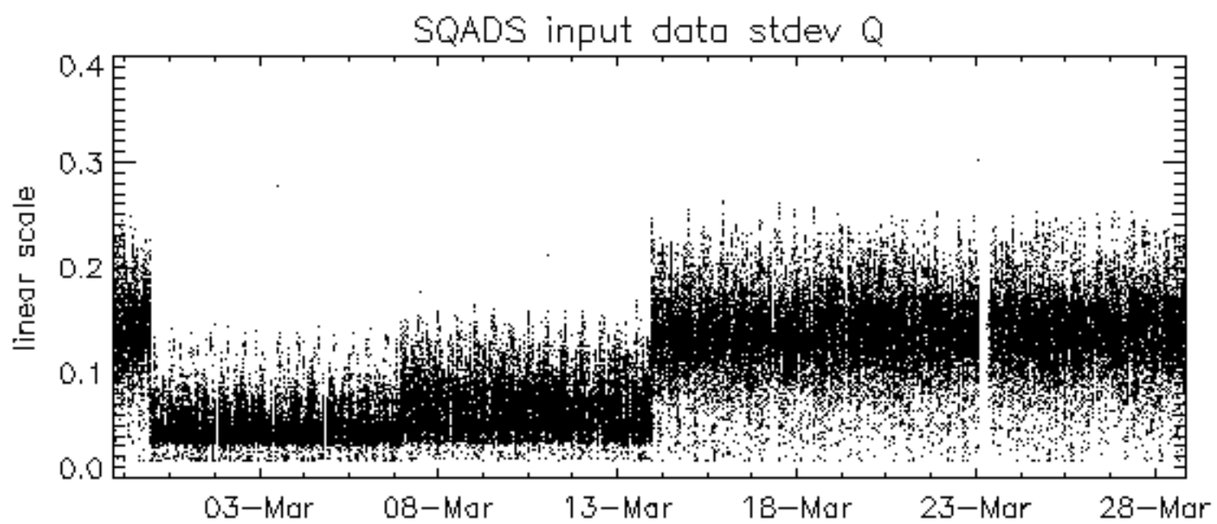

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar

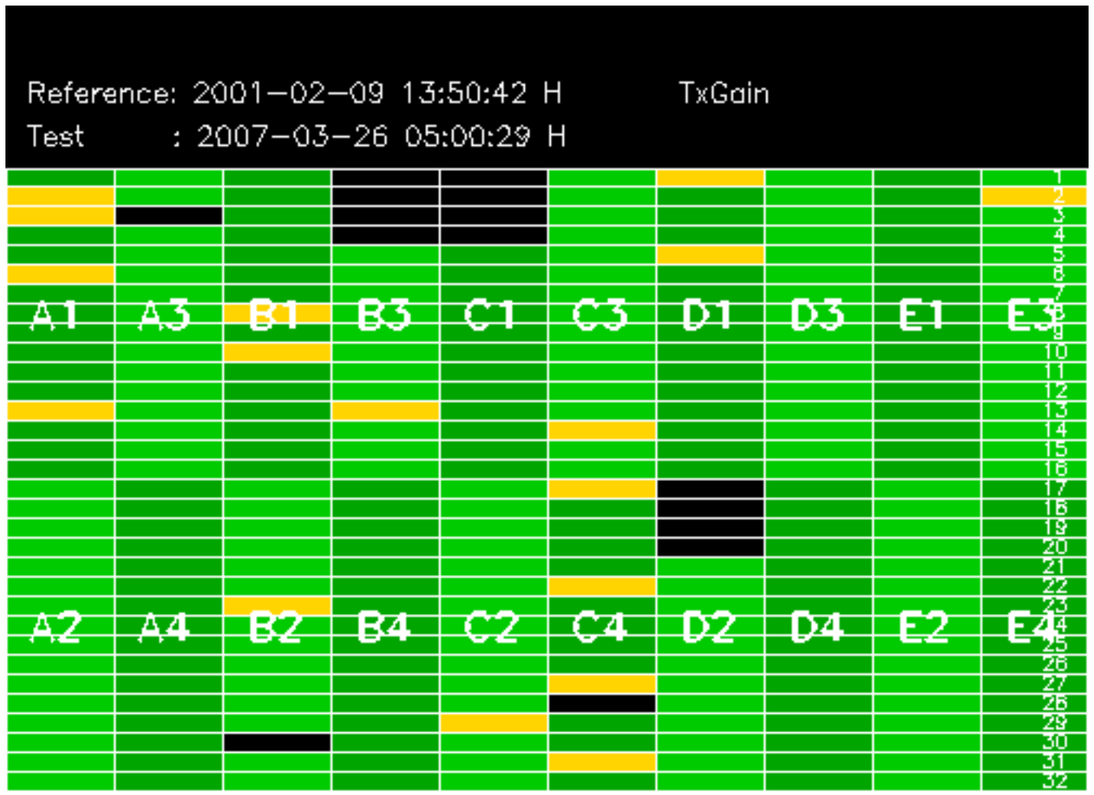

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
28−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar
18–Mar
23–Mar
28–Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar
18–Mar
23–Mar
28–Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
03–Mar
08–Mar
13–Mar
18–Mar
23–Mar
28–Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-26 05:00:29 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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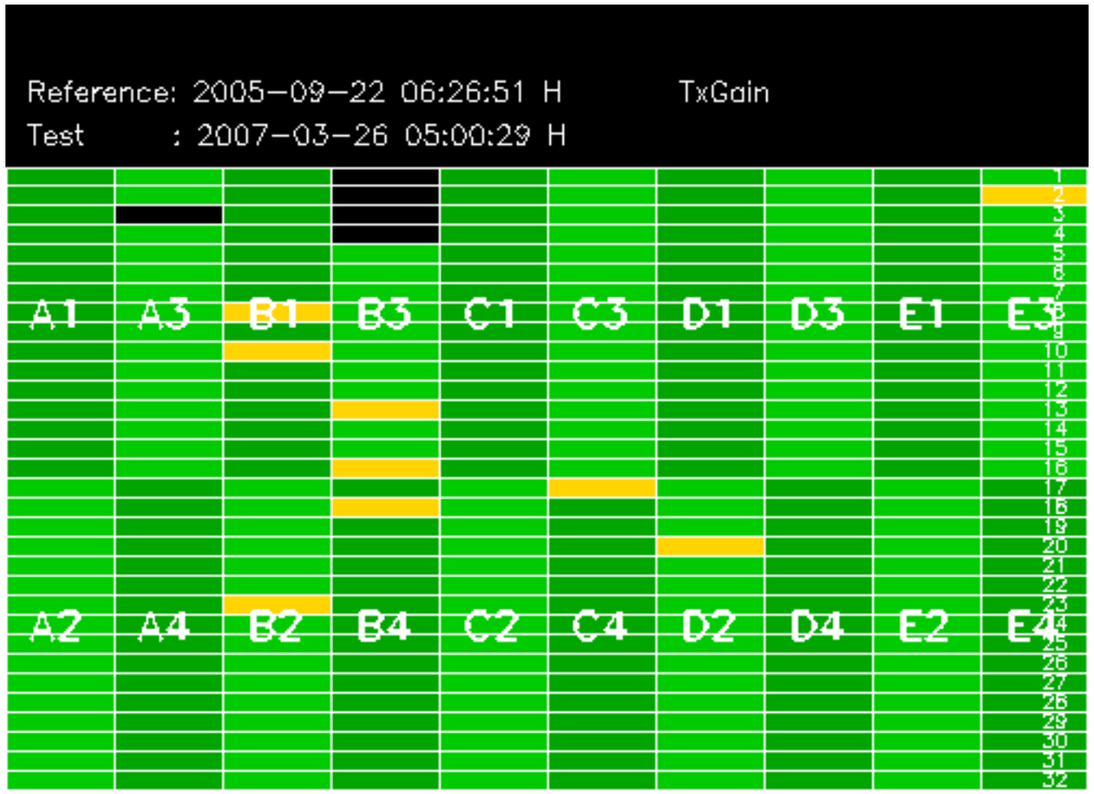
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-26 05:00:29 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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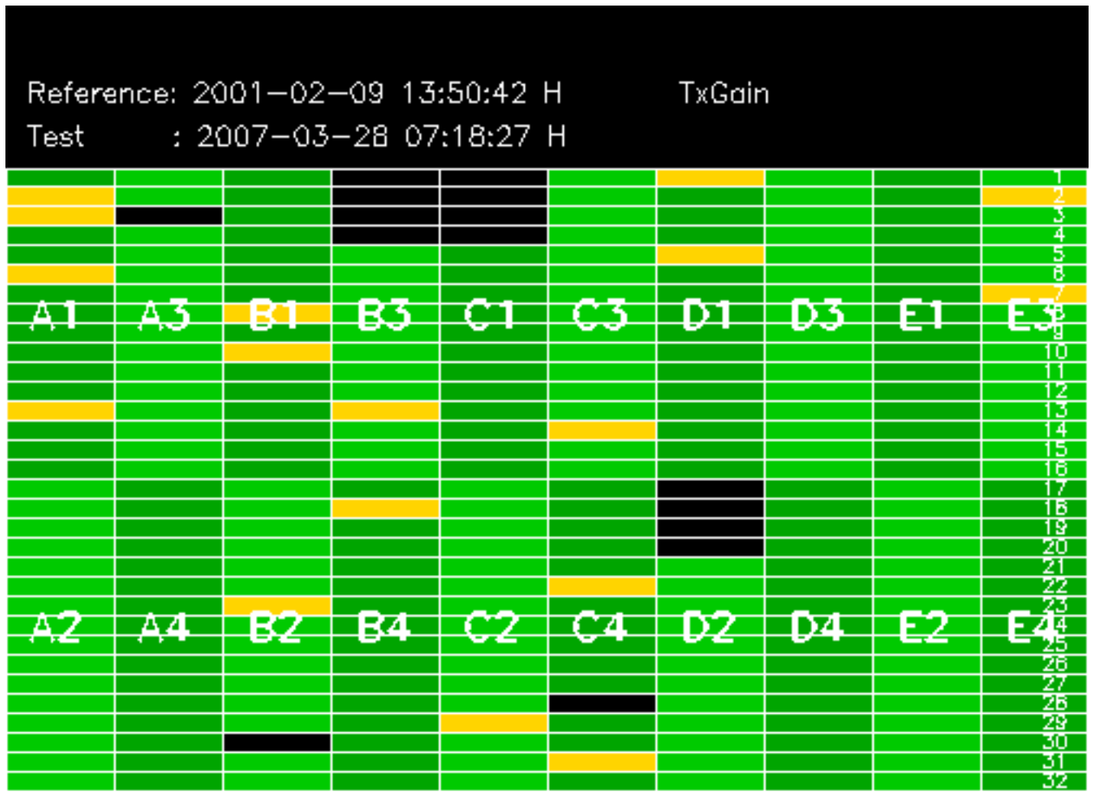
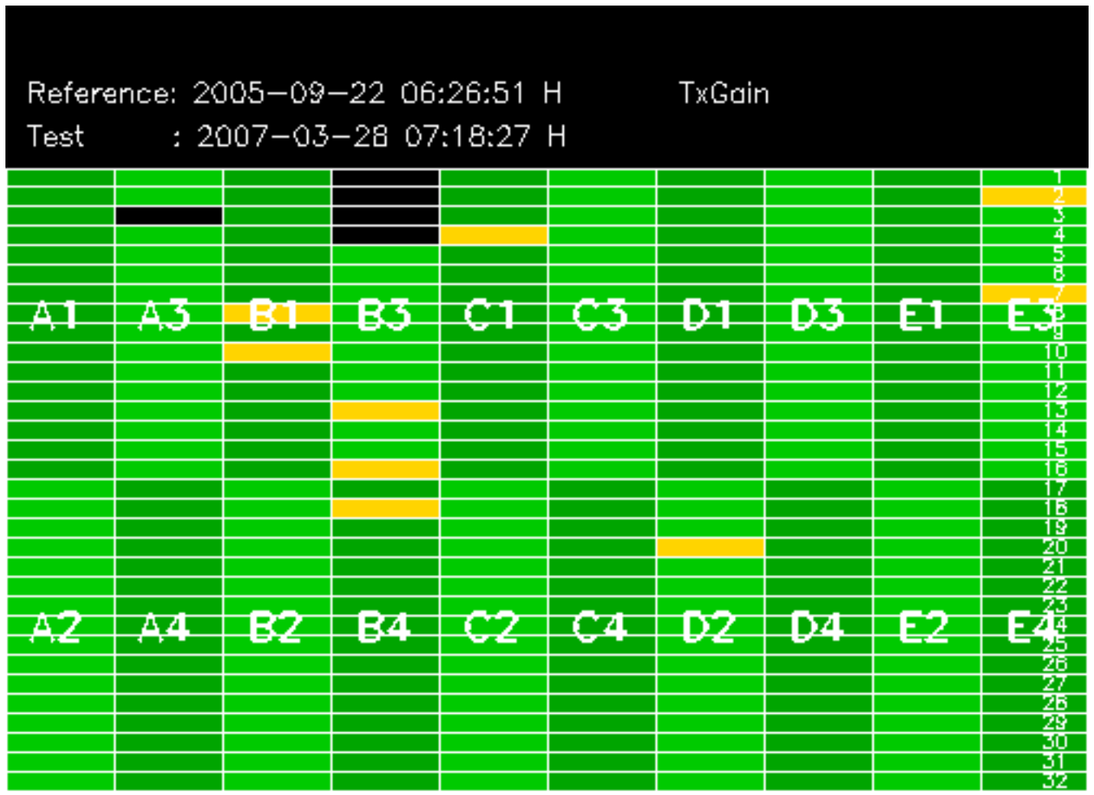

Reference: 2001-02-09 13:50:42 H
Test : 2007-03-28 07:18:27 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-28 07:18:27 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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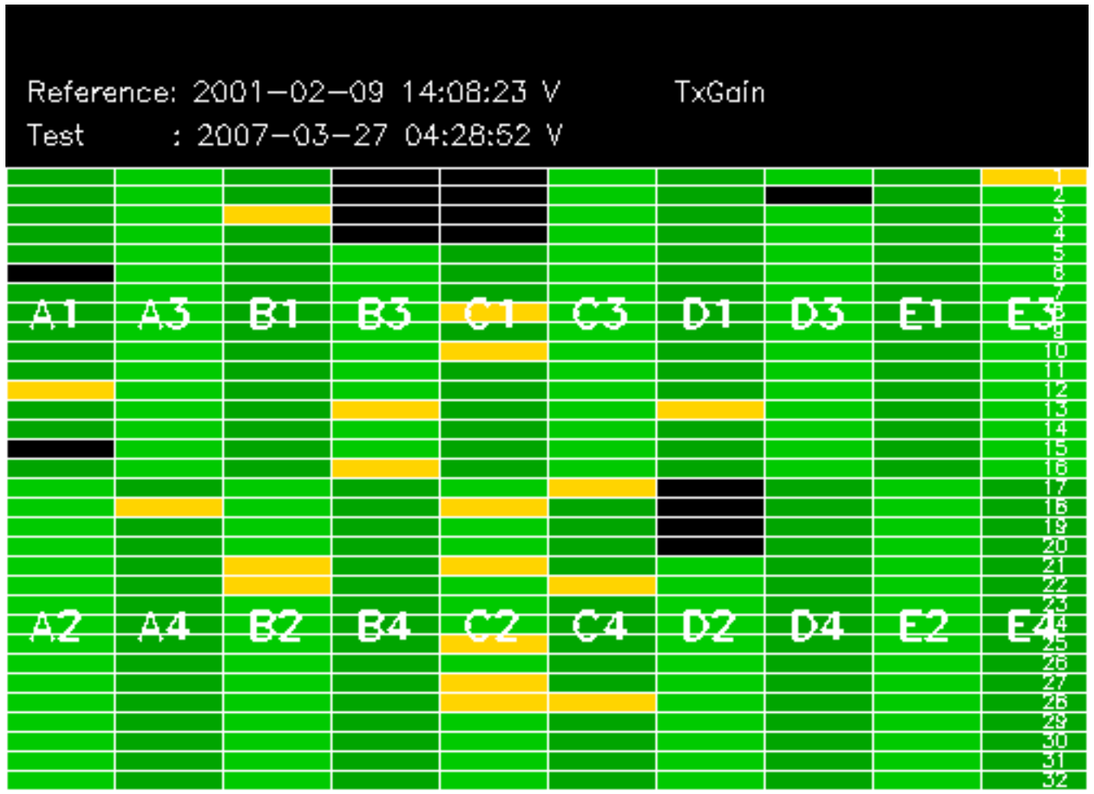
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
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D3
E1
E3
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Summary of analysis for the last 3 days 2007032[678]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

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<tr> <td>ASA_GM1_1PNPDK20070326_142221_000001572056_00397_26503_4278.N1 </td> <td>0 </td> <td>6 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20070326_185948_000000672056_00400_26506_7466.N1 </td> <td>0 </td> <td>54 </td></tr>
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<tr> <td>ASA_WSM_1PNPDK20070326_140038_000000792056_00397_26503_4251.N1 </td> <td>0 </td> <td>16 </td></tr>
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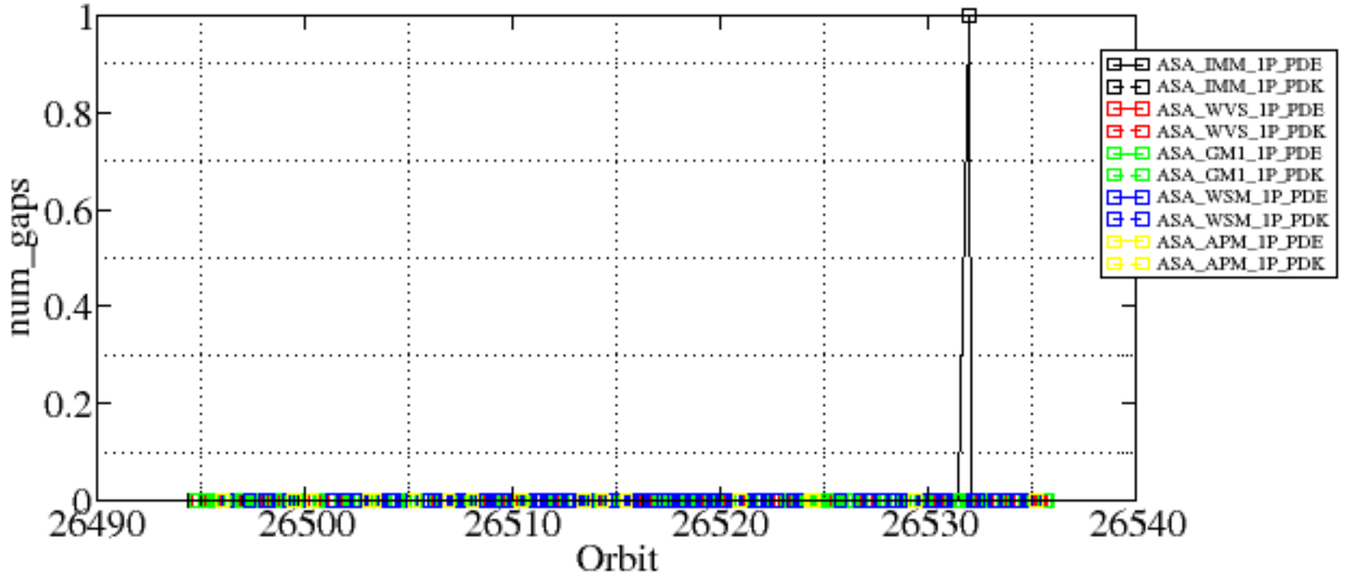
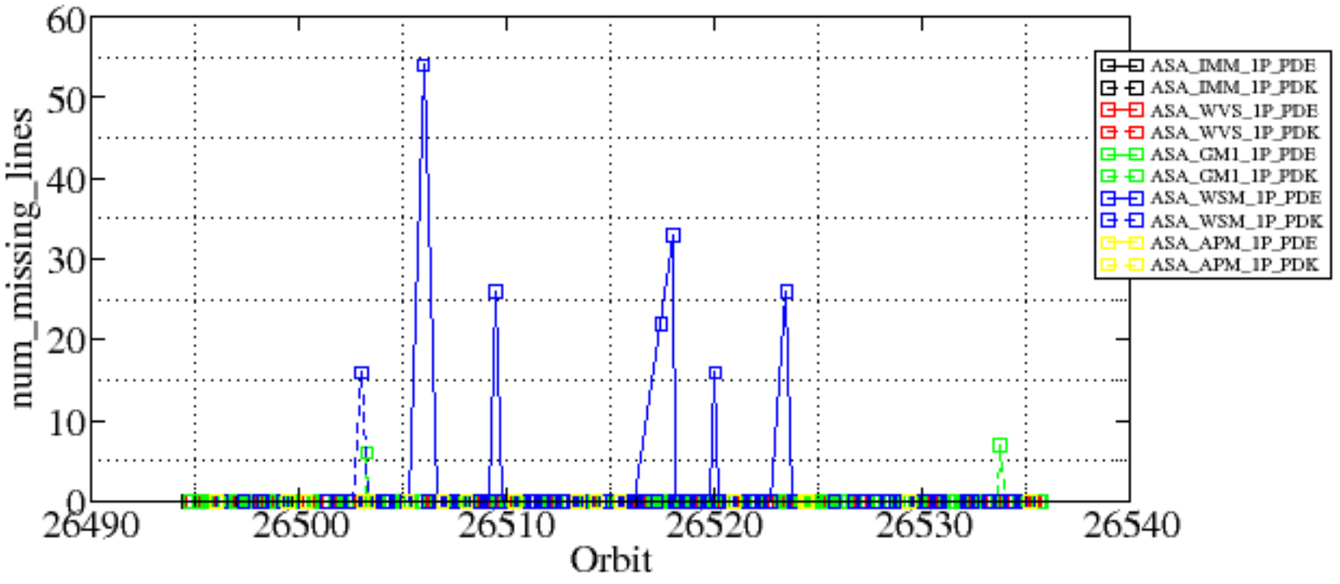
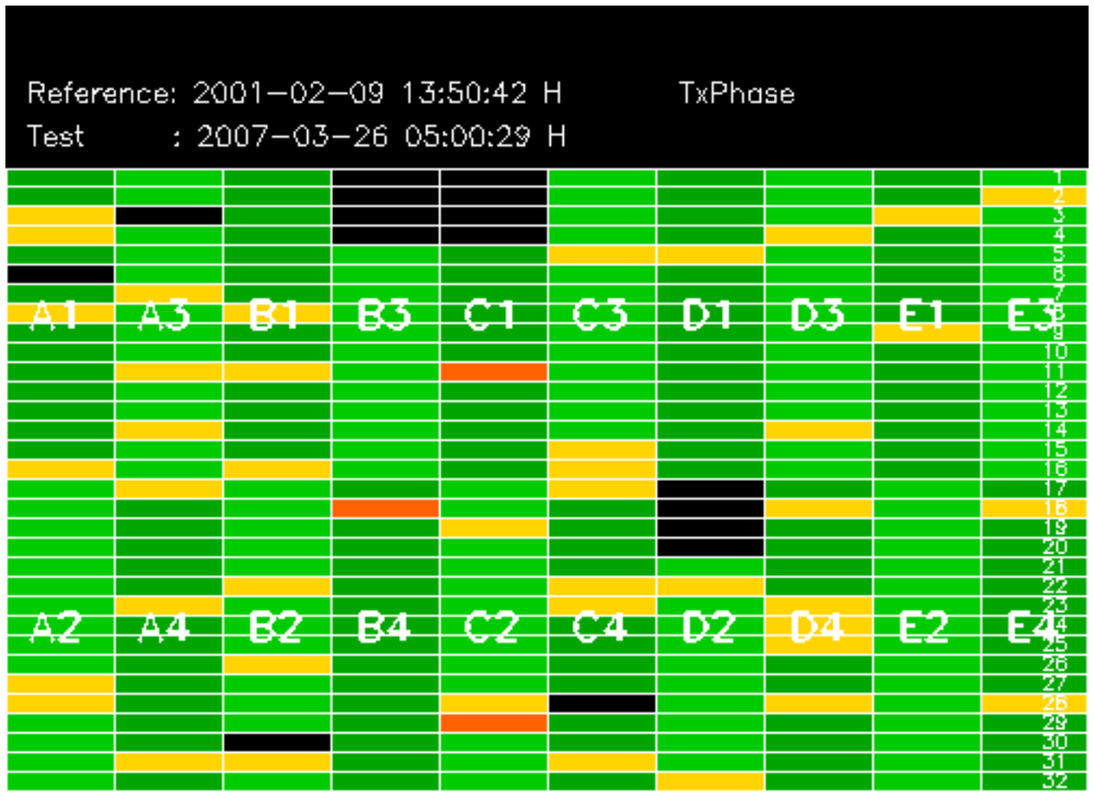
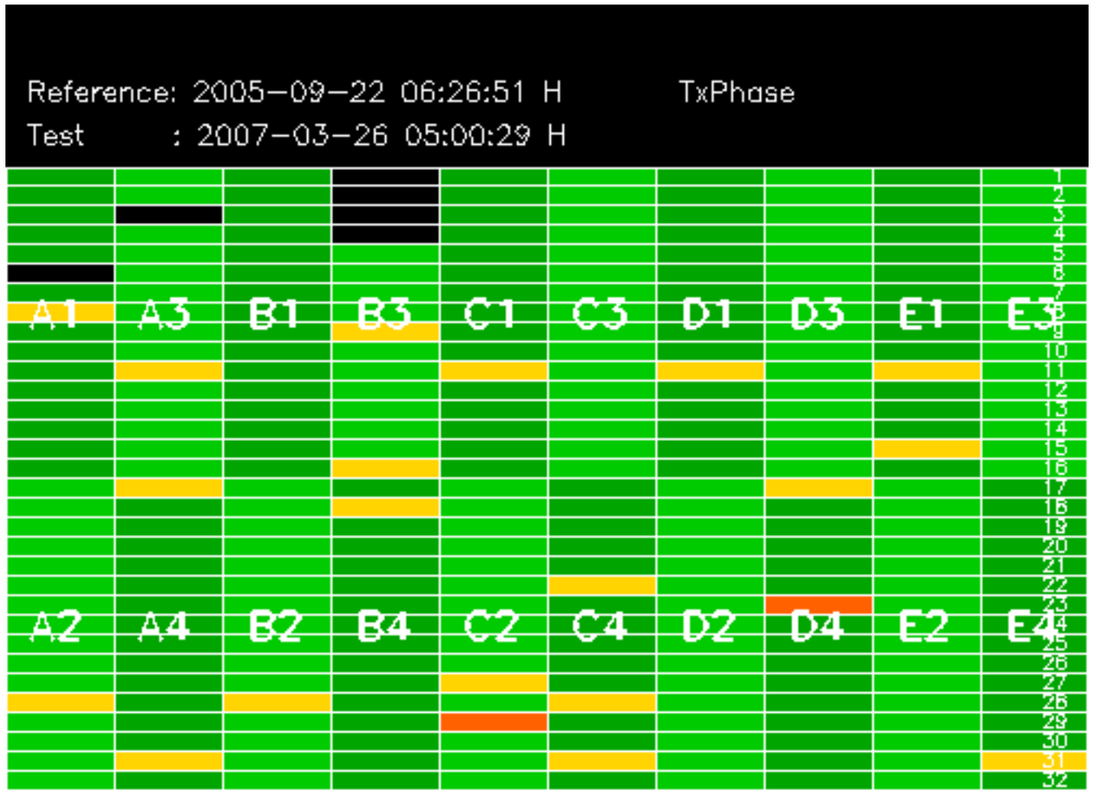
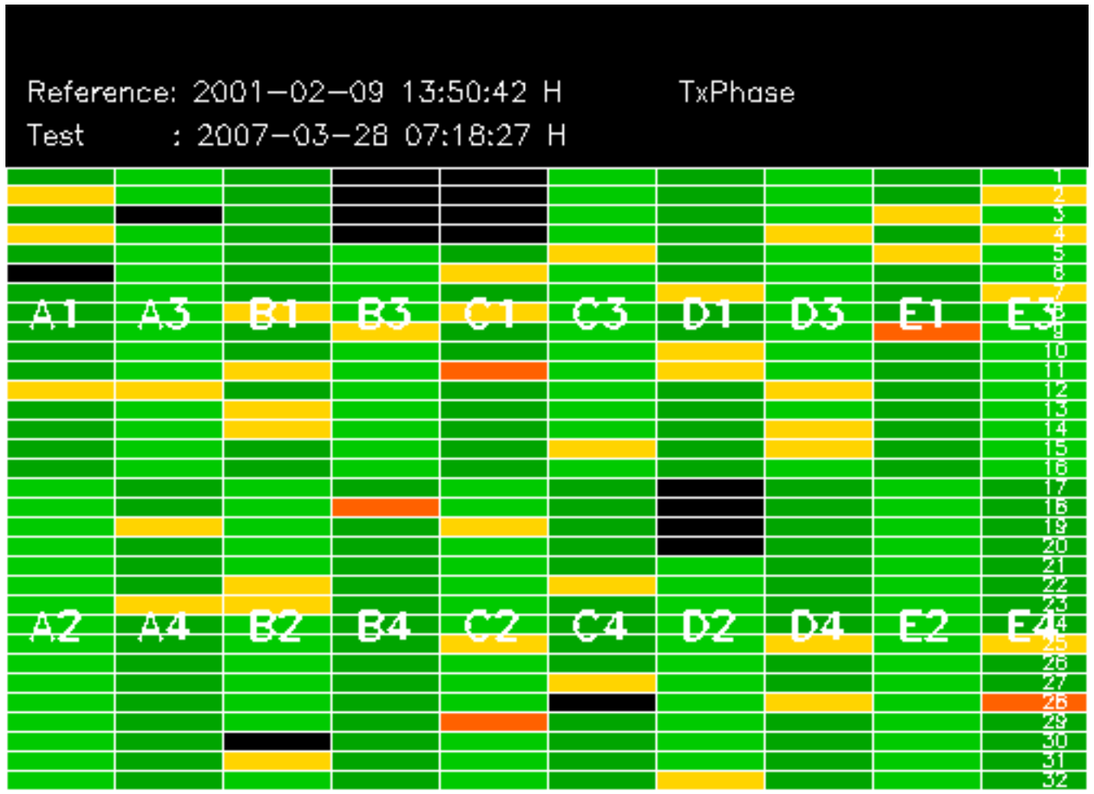
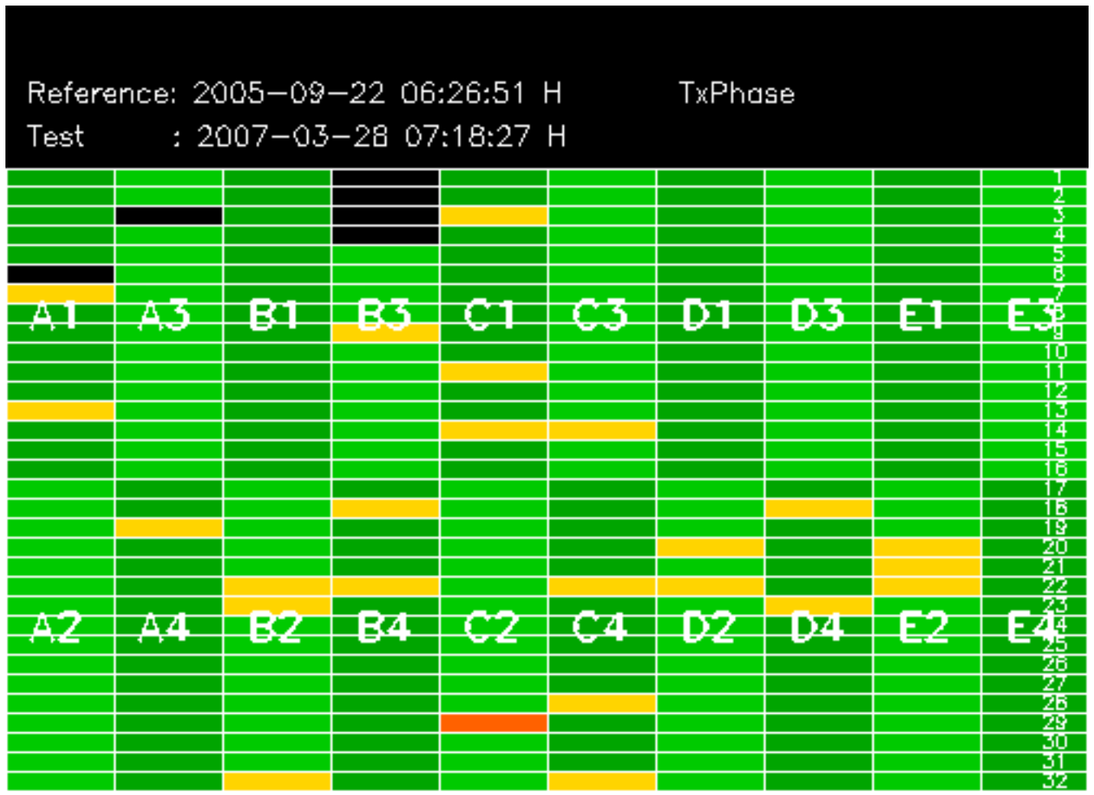

num_gaps
1
0.8
0.6
0.4
0.2
0
26490
26500
26510
26520
26530
26540
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
60
50
40
30
20
10
0
26490
26500
26510
26520
26530
26540
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
TxPhase
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-26 05:00:29 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: 2001-02-09 13:50:42 H
Test : 2007-03-28 07:18:27 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: 2005-09-22 06:26:51 H
Test : 2007-03-28 07:18:27 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
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27
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30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 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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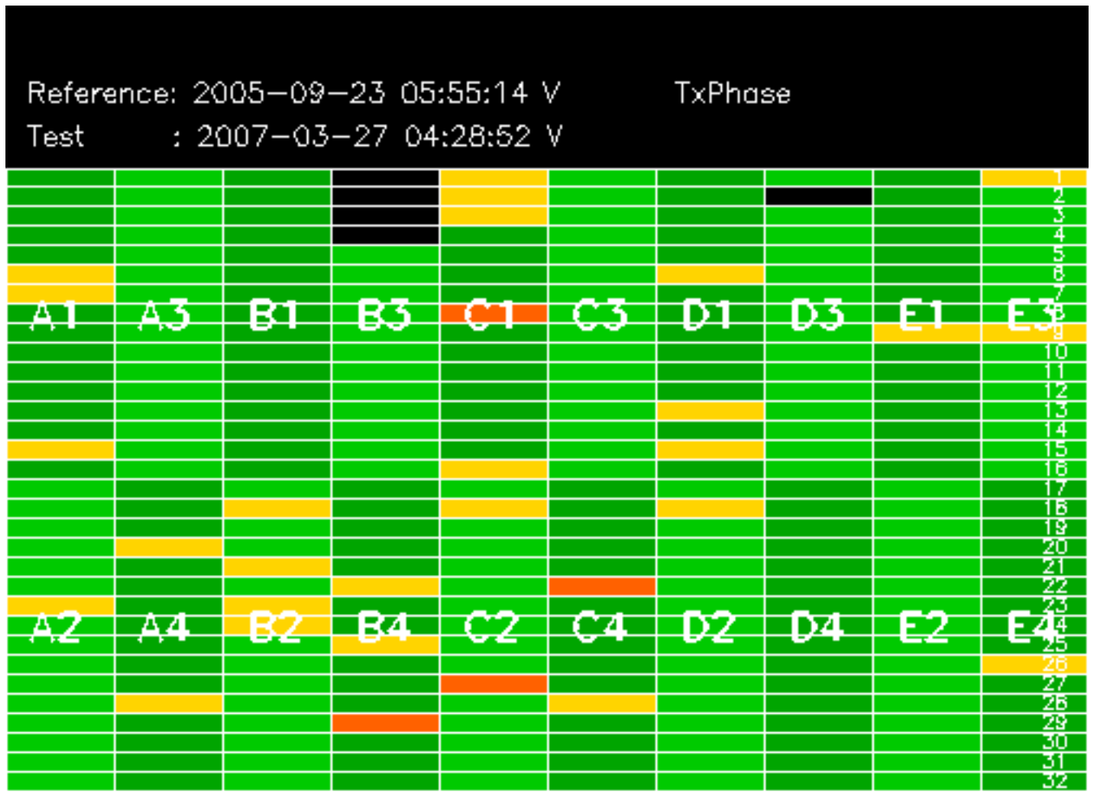
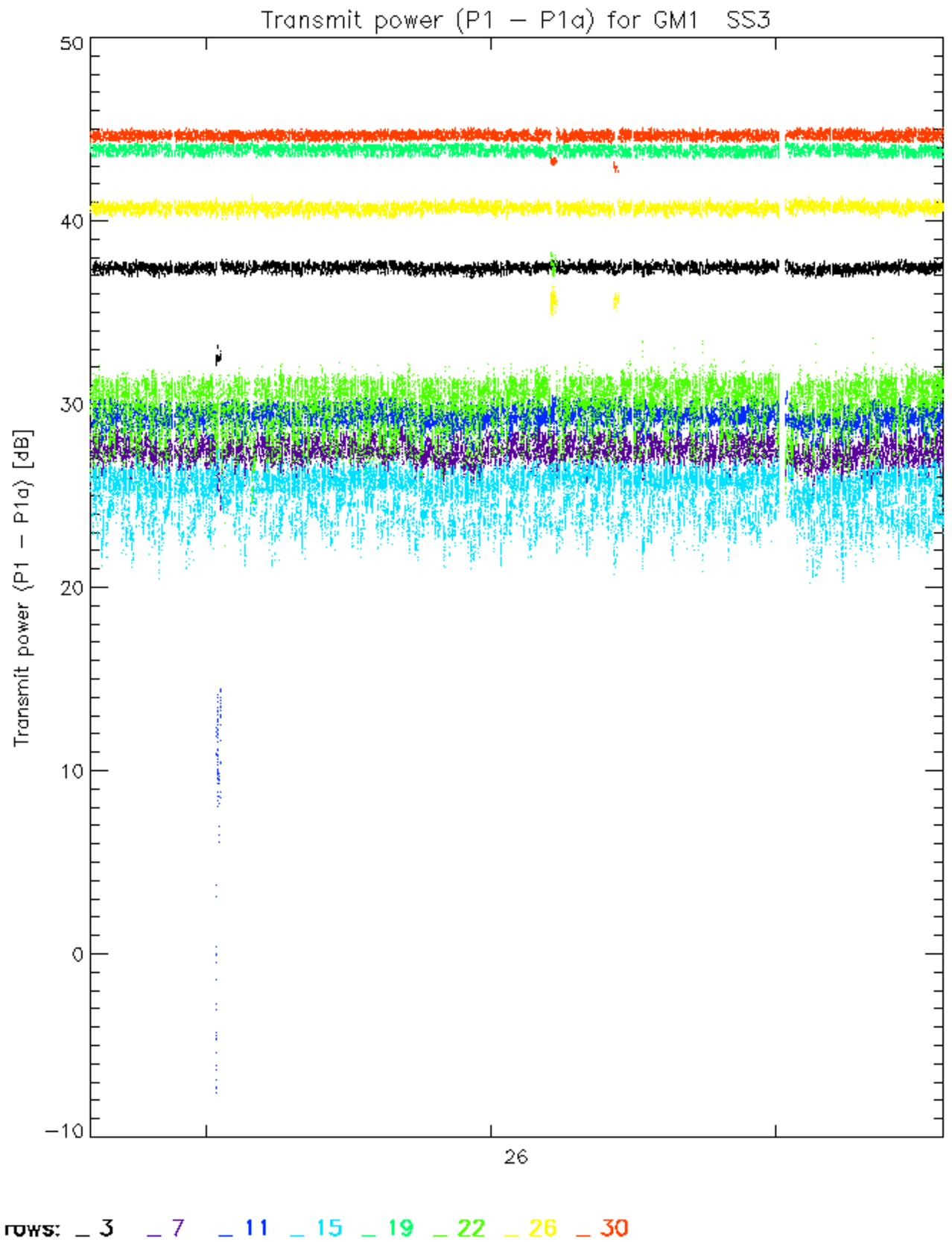
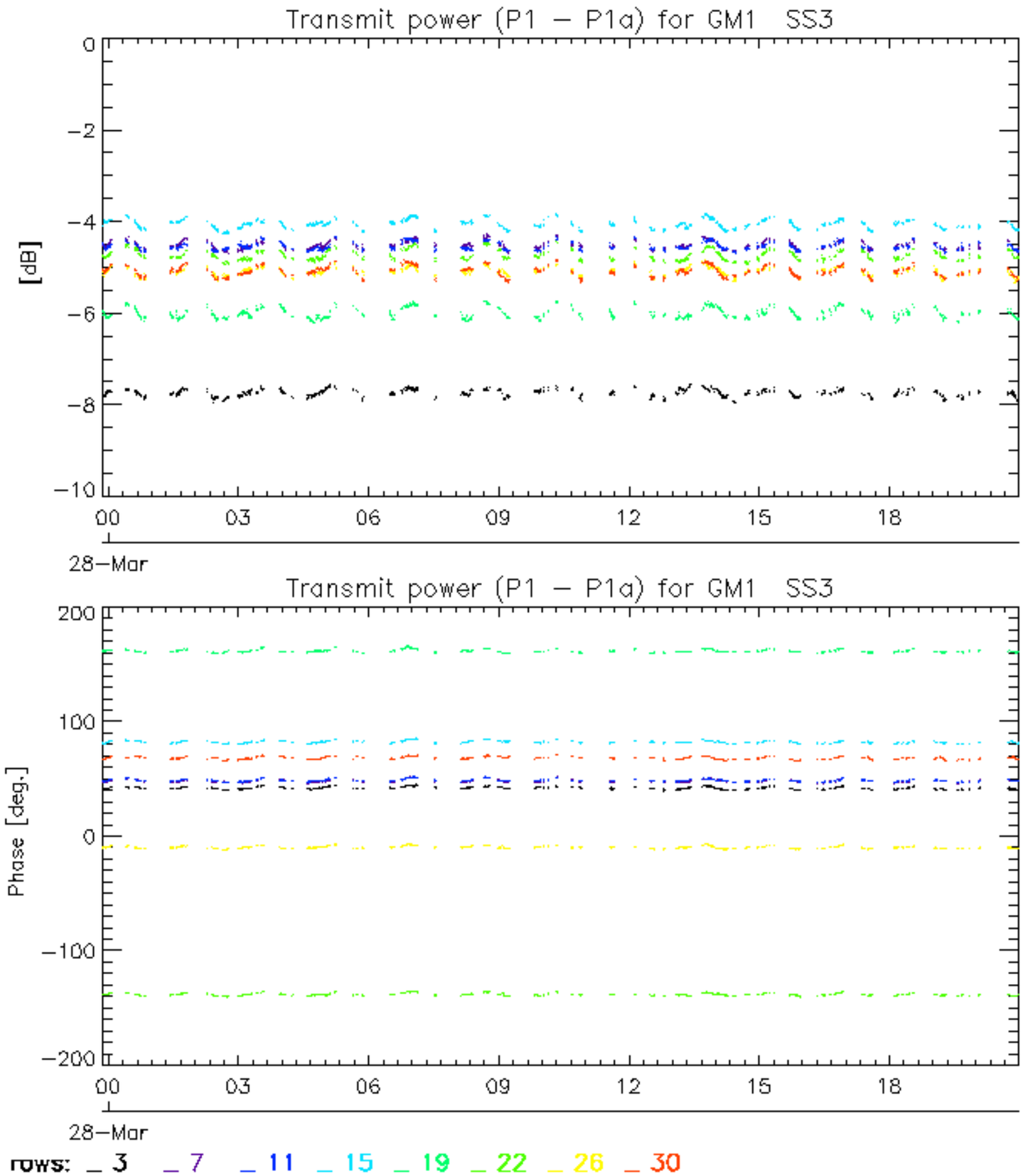
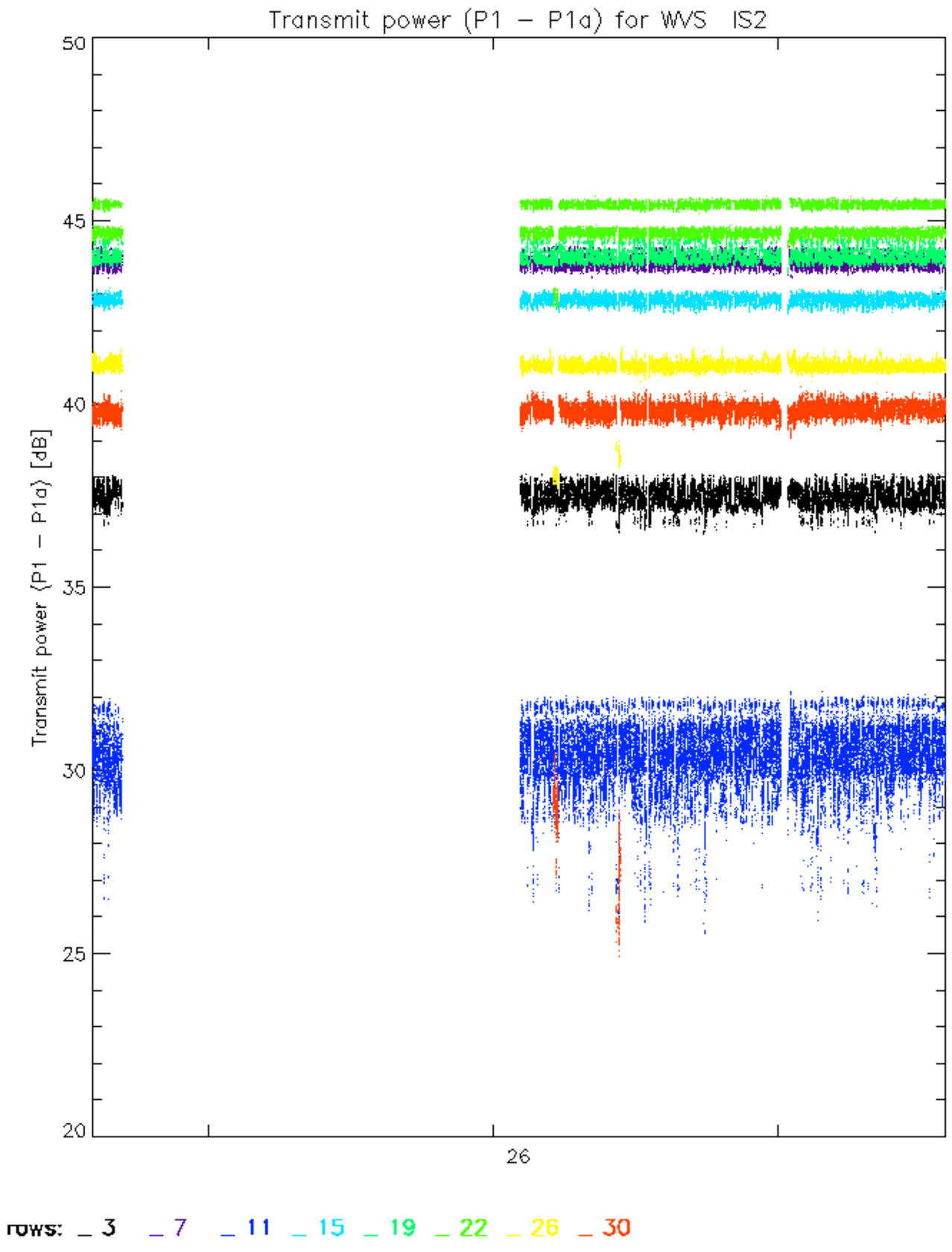
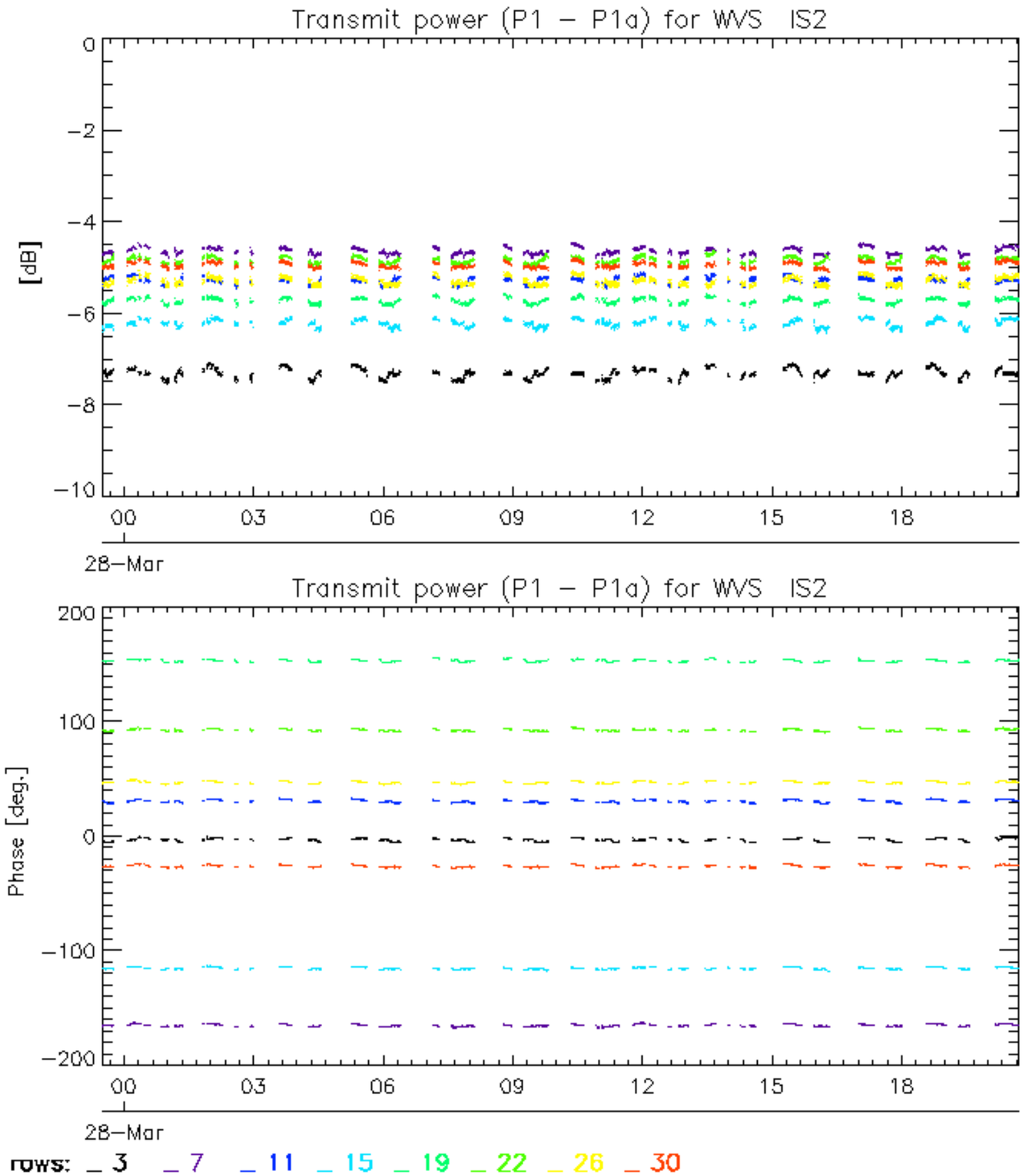
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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


Transmit power (P1 – P1a) for GM1 SS3
[dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
28–Mar
Transmit power (P1 – P1a) for GM1 SS3
Phase [deg.]
200
100
0
−100
−200
00
03
06
09
12
15
18
28–Mar
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]
00
03
06
09
12
15
18
28–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
00
03
06
09
12
15
18
28–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.