PRELIMINARY REPORT OF 070327

last update on Tue Mar 27 23:55:48 GMT 2007

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 2007-03-26 00:00:00 to 2007-03-27 23:55:48

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	27	44	11	2	19
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	51	89	12	3	36
ASA_CON_AXVIEC20070326_152930_20070327_000000_20070328_000000	24	45	1	1	17
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	51	89	12	3	36
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	51	89	12	3	36

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	26	31	34	8	20
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	44	59	58	12	57
ASA_CON_AXVIEC20070326_152930_20070327_000000_20070328_000000	18	28	24	4	37
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	44	59	58	12	57
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	59	58	12	57

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	20070327 042852
H	20070326 050029

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference
☒	☒
☒	☒
☒	☒
☒	☒

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS
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4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1
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4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS
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P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.107639	0.124005	0.063300
7	P1a	-17.484690	0.103381	-0.118212
11	P1a	-17.270292	0.349308	-0.007364
15	P1a	-12.883945	0.088984	0.025491
19	P1a	-15.167604	0.077109	-0.071851
22	P1a	-15.504560	0.567444	-0.447994
26	P1a	-15.084955	0.460759	-0.184383
30	P1a	-17.406944	0.303928	-0.234027

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.744637	0.010524	-0.025087
7	P1	-3.135378	0.008581	-0.009489
11	P1	-4.170580	0.015219	-0.051145
15	P1	-6.373798	0.016557	0.026989
19	P1	-3.775662	0.007564	-0.024121
22	P1	-4.680937	0.048419	-0.108150
26	P1	-3.926735	0.040841	-0.033796
30	P1	-5.921129	0.073547	-0.120442

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.644648	0.093540	0.036768
7	P2	-21.603325	0.082319	0.038034
11	P2	-15.498754	0.101424	0.153523
15	P2	-7.079595	0.094592	-0.039591
19	P2	-9.107895	0.083684	-0.012967
22	P2	-18.091597	0.078215	0.040506
26	P2	-16.559555	0.086150	-0.054645
30	P2	-19.319420	0.081410	0.095383

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.233917	0.006532	0.005387
7	P3	-8.233917	0.006532	0.005387
11	P3	-8.233917	0.006532	0.005387
15	P3	-8.233917	0.006532	0.005387
19	P3	-8.233917	0.006532	0.005387
22	P3	-8.233917	0.006532	0.005387
26	P3	-8.233841	0.006534	0.005767
30	P3	-8.233841	0.006534	0.005767

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1
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P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.097099	0.053097	-0.089475
7	P1a	-10.072545	0.136184	-0.019768
11	P1a	-10.680669	0.063681	-0.026526
15	P1a	-10.937582	0.142712	0.108673
19	P1a	-15.715486	0.072156	-0.136197
22	P1a	-20.902349	1.513750	-0.110975
26	P1a	-15.255314	0.319273	-0.090233
30	P1a	-18.374475	0.711583	0.044535

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.414143	0.040665	-0.060618
7	P1	-2.426370	0.023187	-0.007675
11	P1	-2.921181	0.019348	0.013671
15	P1	-3.848686	0.039567	-0.009417
19	P1	-3.563176	0.011153	-0.039868
22	P1	-5.030610	0.032493	0.047333

26	P1	-5.955585	0.053265	-0.053665
30	P1	-5.275830	0.031225	-0.034871

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.106186	0.037438	-0.037595
7	P2	-21.956341	0.061265	-0.030791
11	P2	-10.635727	0.033543	0.025255
15	P2	-4.833017	0.031524	-0.043507
19	P2	-6.814520	0.033829	-0.024750
22	P2	-8.078910	0.034382	-0.008213
26	P2	-24.289701	0.041737	0.019872
30	P2	-21.719500	0.043827	0.036997

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.062184	0.004026	-0.014407
7	P3	-8.062086	0.004024	-0.014496
11	P3	-8.062192	0.004023	-0.014815
15	P3	-8.062307	0.004028	-0.014514
19	P3	-8.062189	0.004036	-0.014024
22	P3	-8.062258	0.004031	-0.014945
26	P3	-8.062018	0.004007	-0.014384
30	P3	-8.062149	0.004018	-0.014643

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	0.000645661
	stdev	2.68433e-07
MEAN Q	mean	0.000339997
	stdev	2.78210e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.101224
	stdev	0.00238956
STDEV Q	mean	0.101165
	stdev	0.00244631

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007032[567]
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_GM1_1PNPDK20070326_142221_000001572056_00397_26503_4278.N1	0	6
ASA_WSM_1PNPDE20070325_143215_000000852056_00383_26489_6157.N1	0	16
ASA_WSM_1PNPDE20070325_233836_000001842056_00388_26494_6666.N1	0	62
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_1PNPDK20070326_140038_000000792056_00397_26503_4251.N1	0	16
ASA_APM_1PNPDE20070325_161458_000000402056_00384_26490_6131.N1	11	0

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

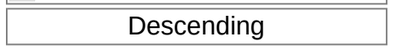
Evolution of unbiased Doppler error (Real - Expected)

Acsending

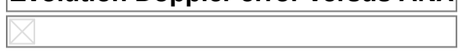
Descending

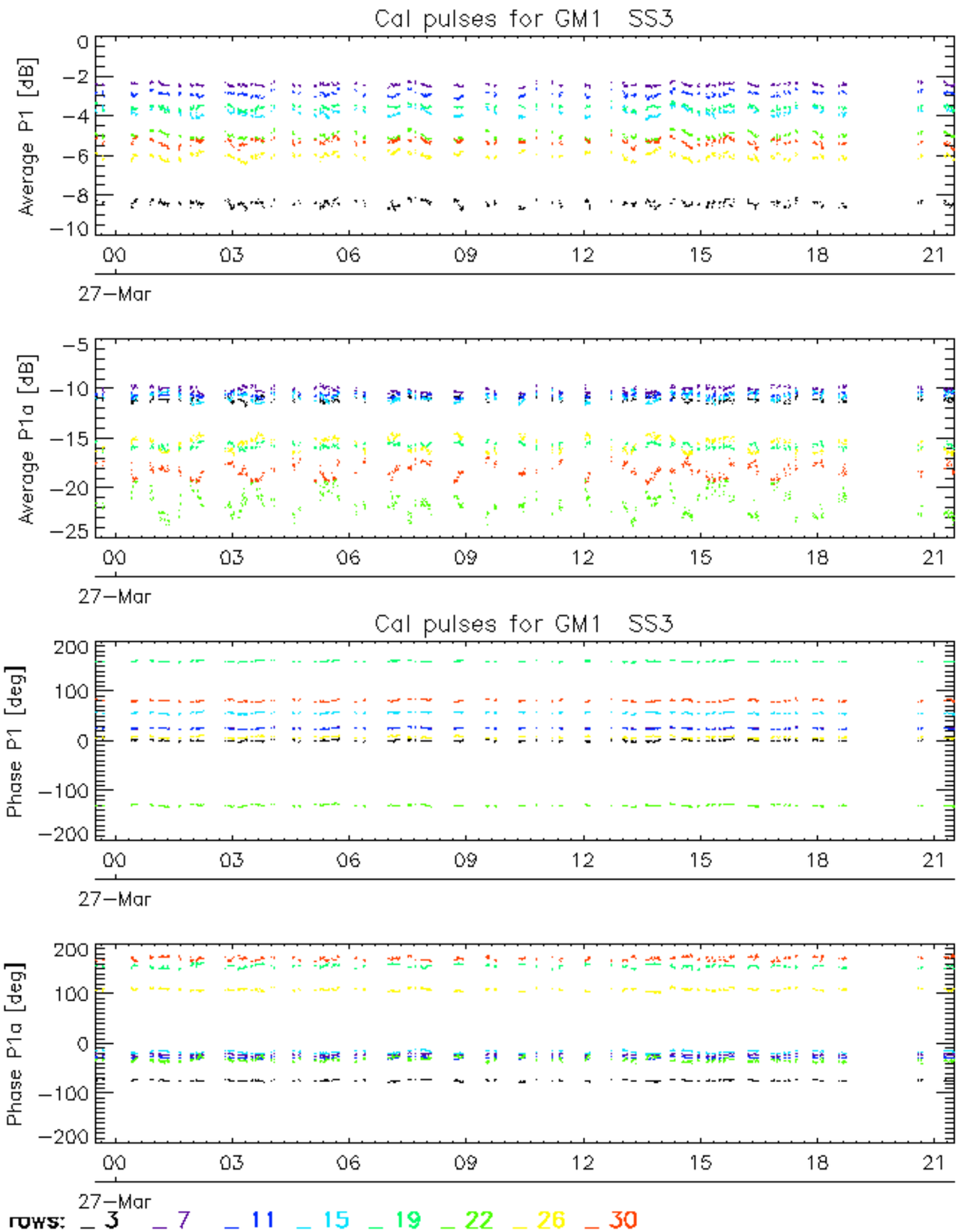
7.5 - Absolute Doppler for GM1

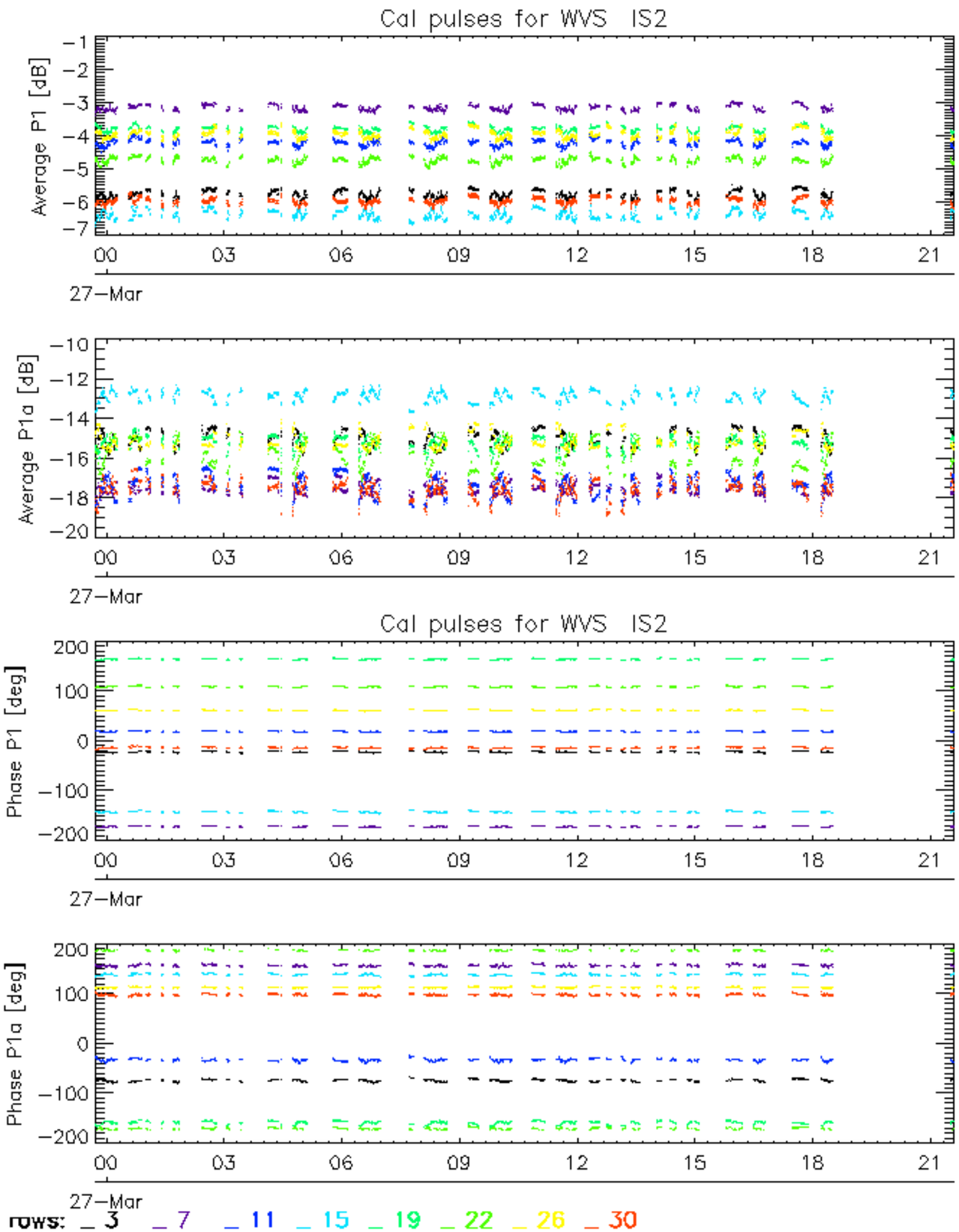
Evolution of Absolute Doppler

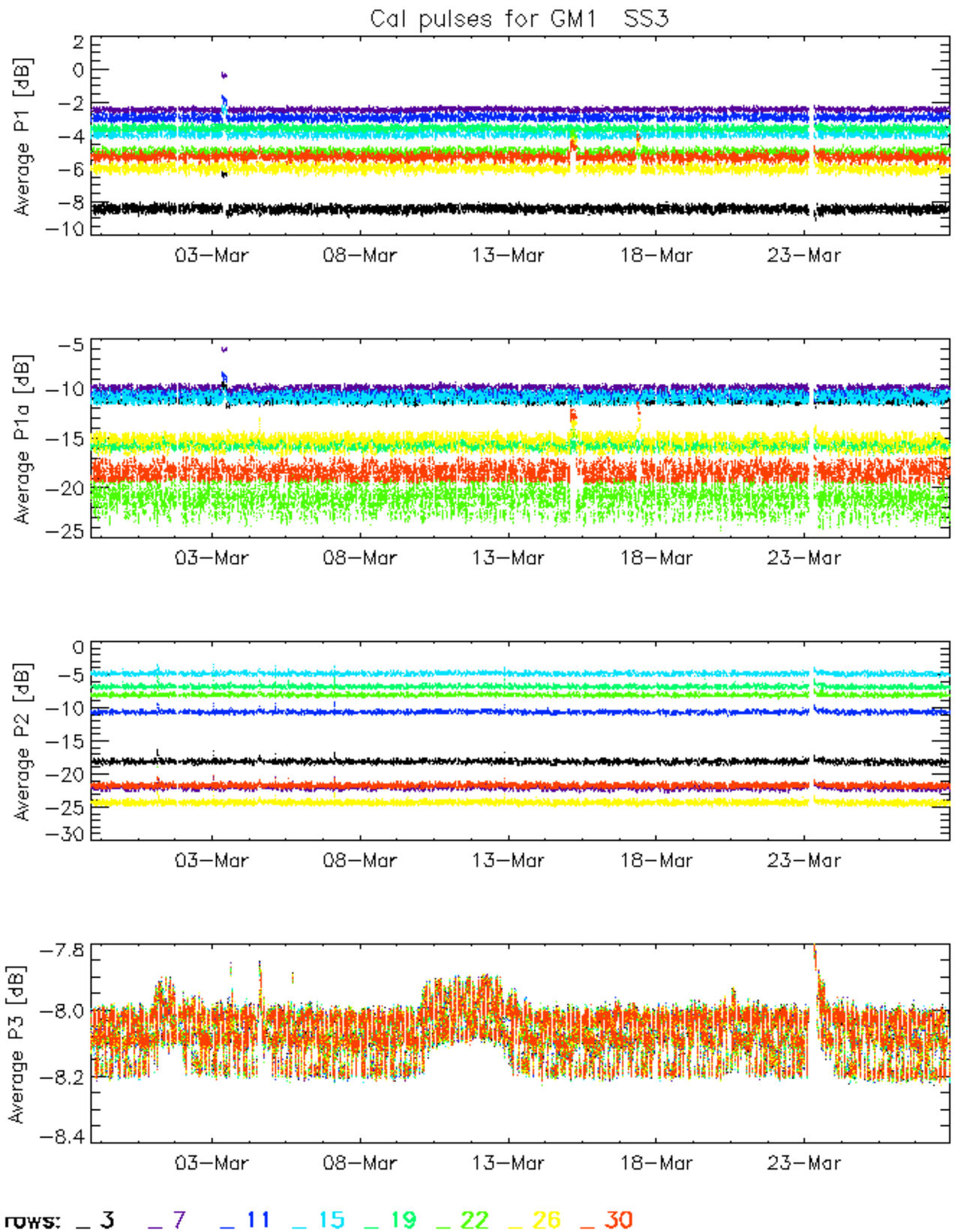
Acsending

Descending

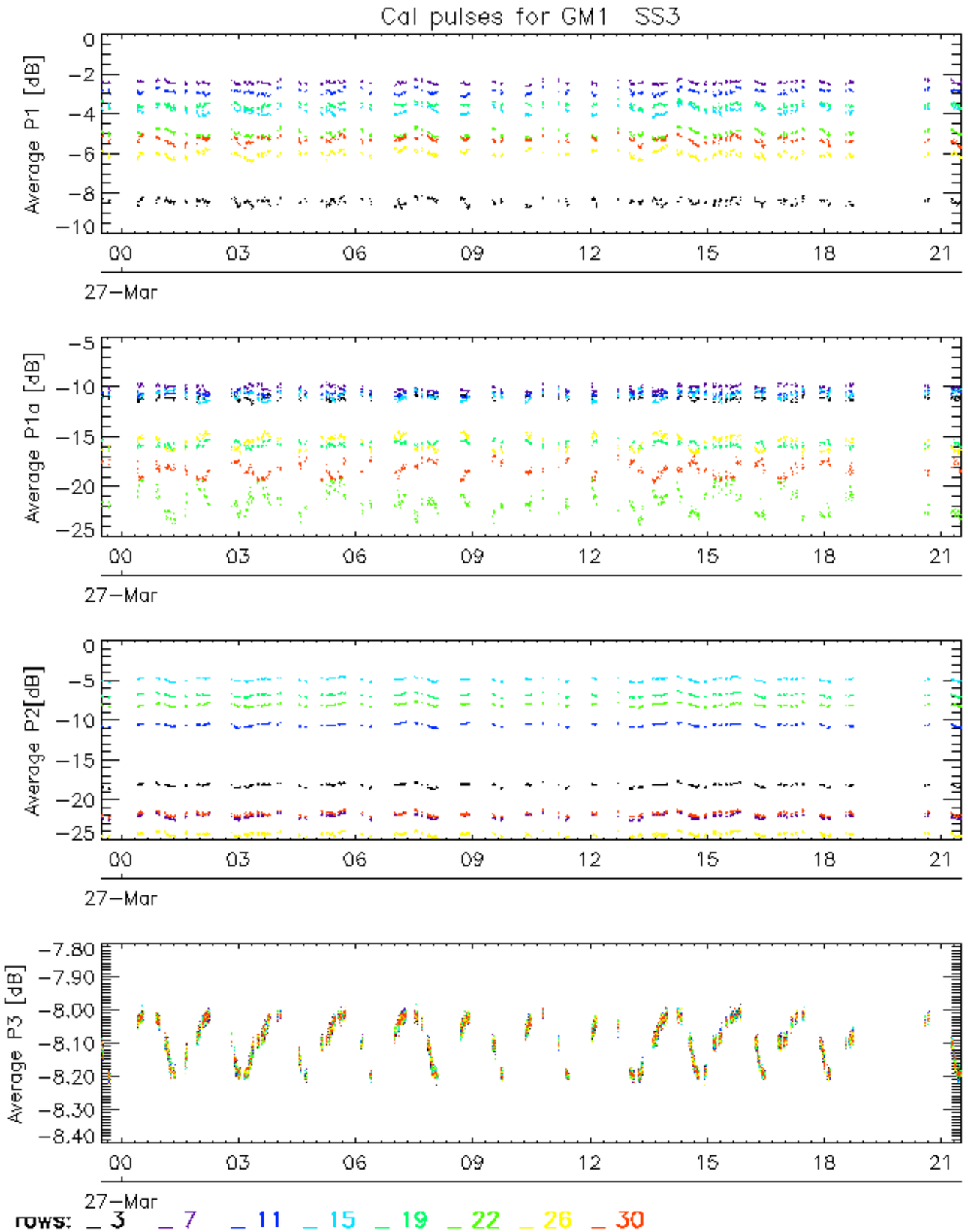
7.6 - Doppler evolution versus ANX for GM1

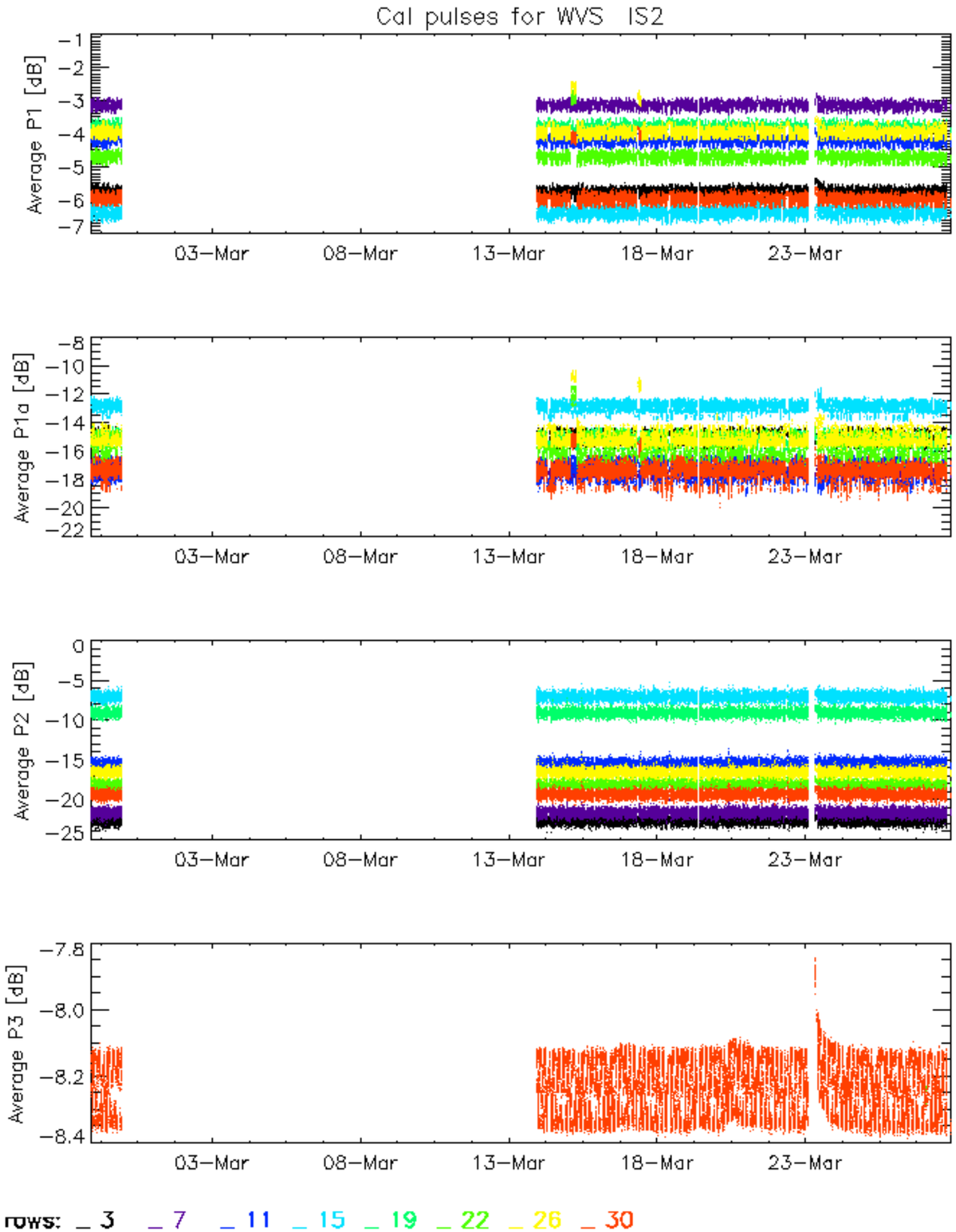
Evolution Doppler error versus ANX


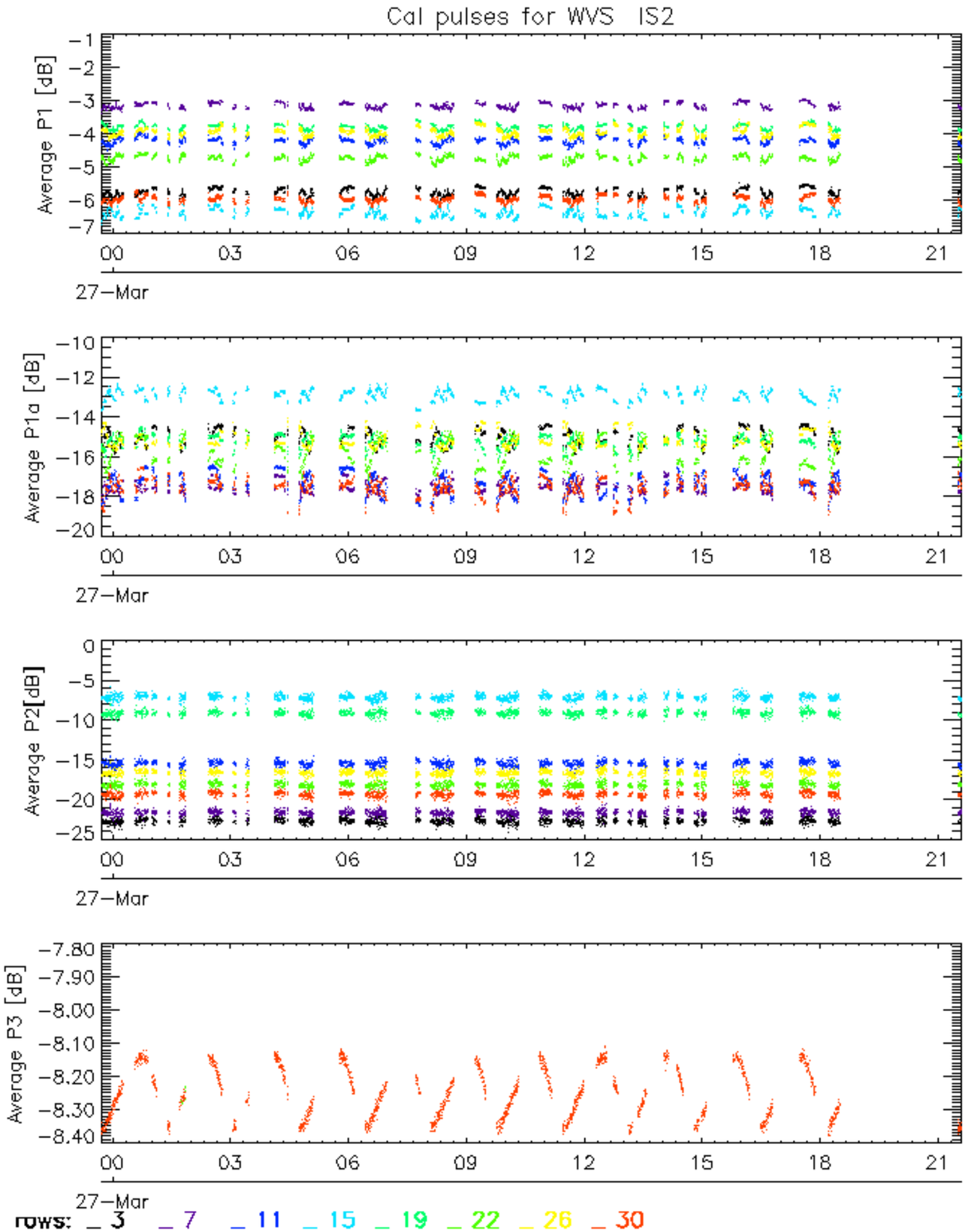

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
21
27−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
03
06
09
12
15
18
21
27−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
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
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
−30
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

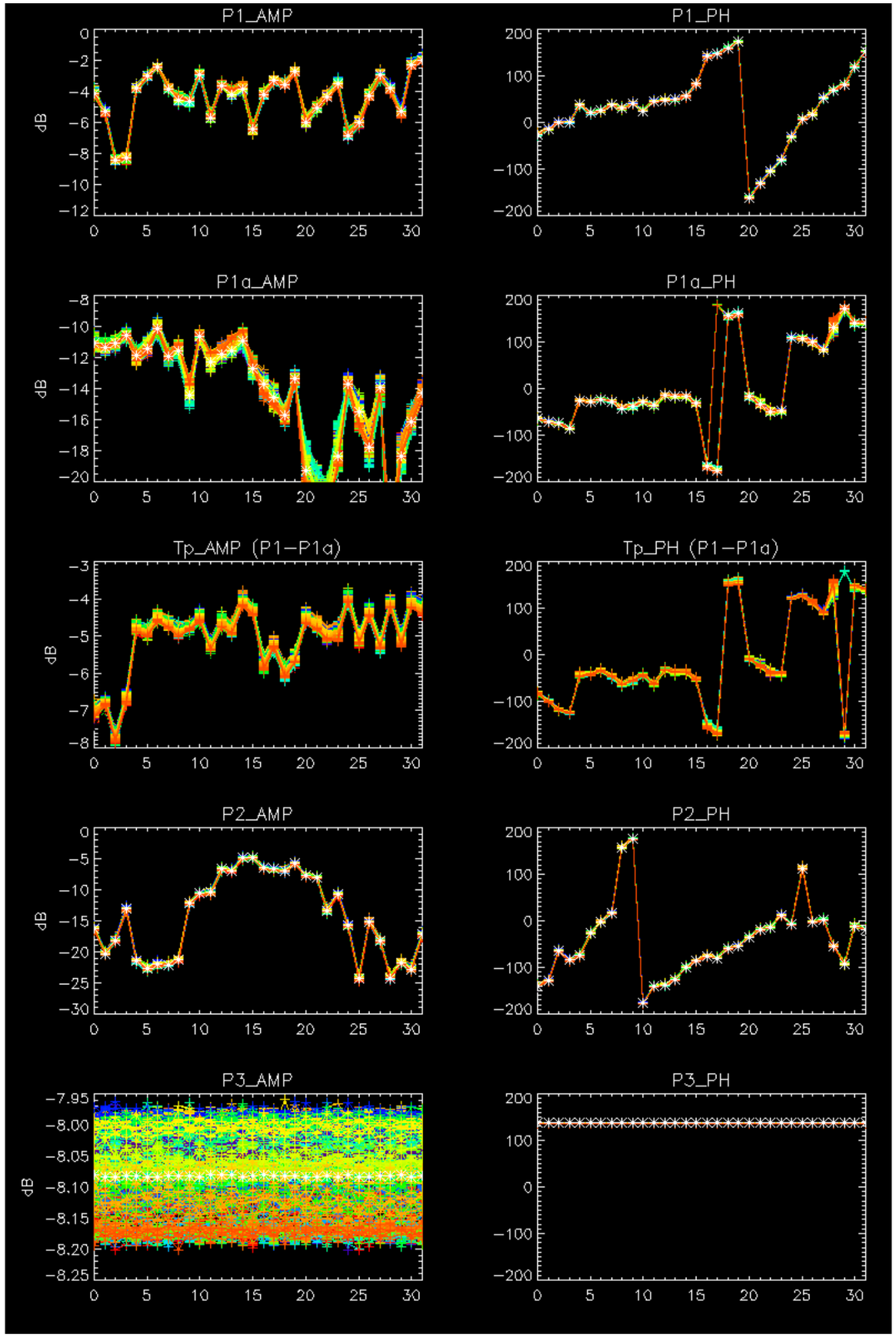

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
00
03
06
09
12
15
18
21
27−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30

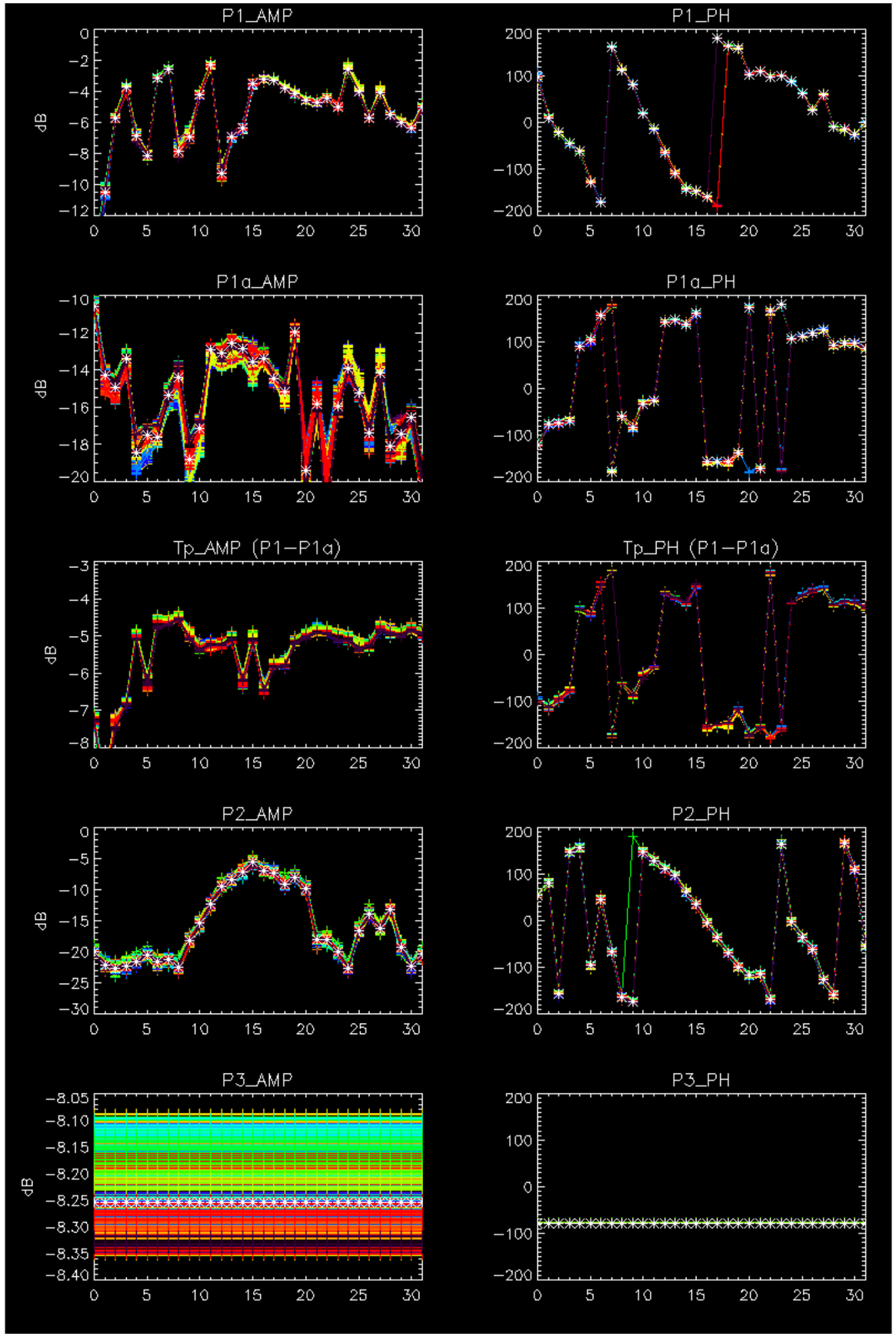

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
−22
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar
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
21
27−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
03
06
09
12
15
18
21
27−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
00
03
06
09
12
15
18
21
27−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
21
27−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed on available browse products

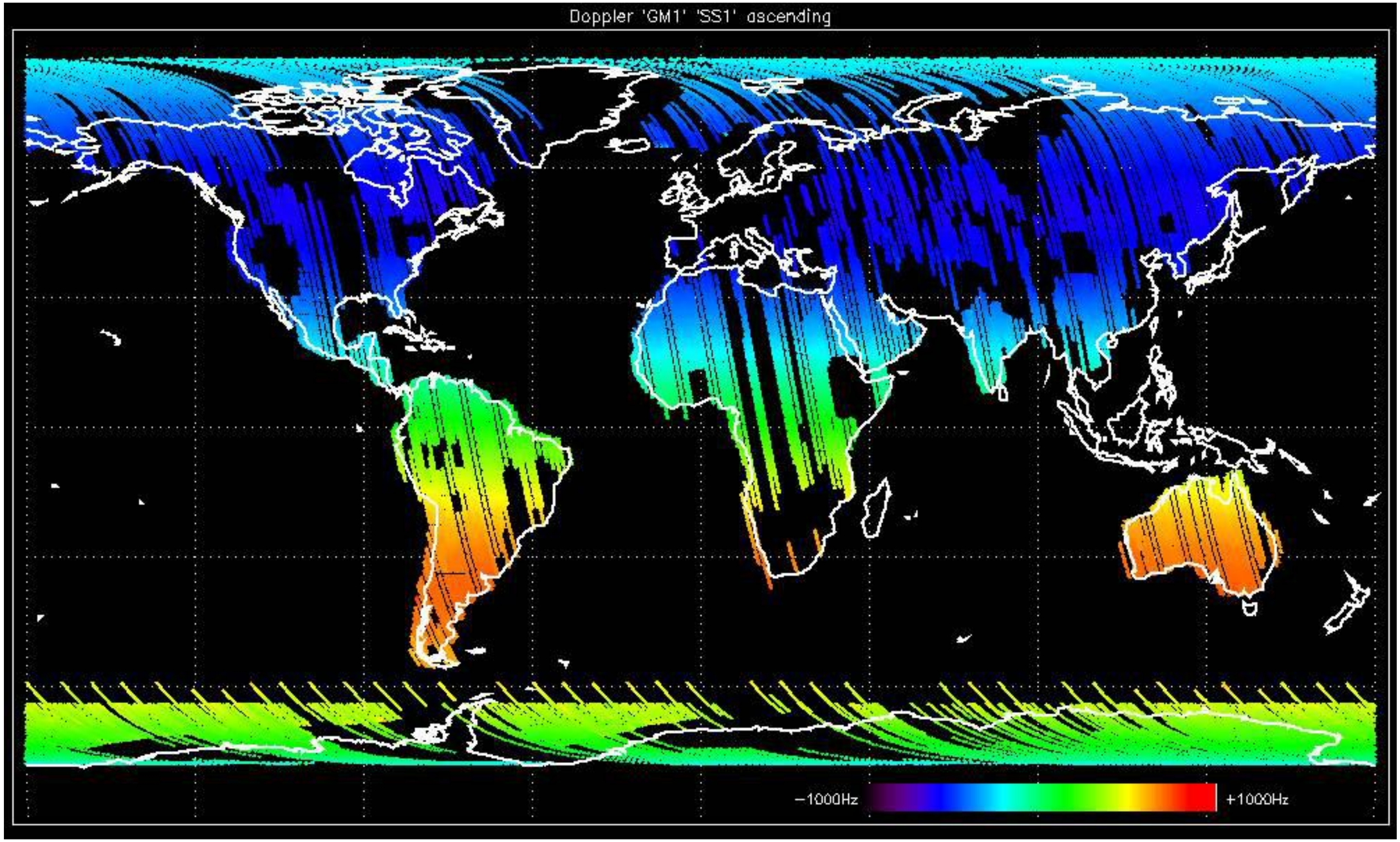
No anomalies observed.

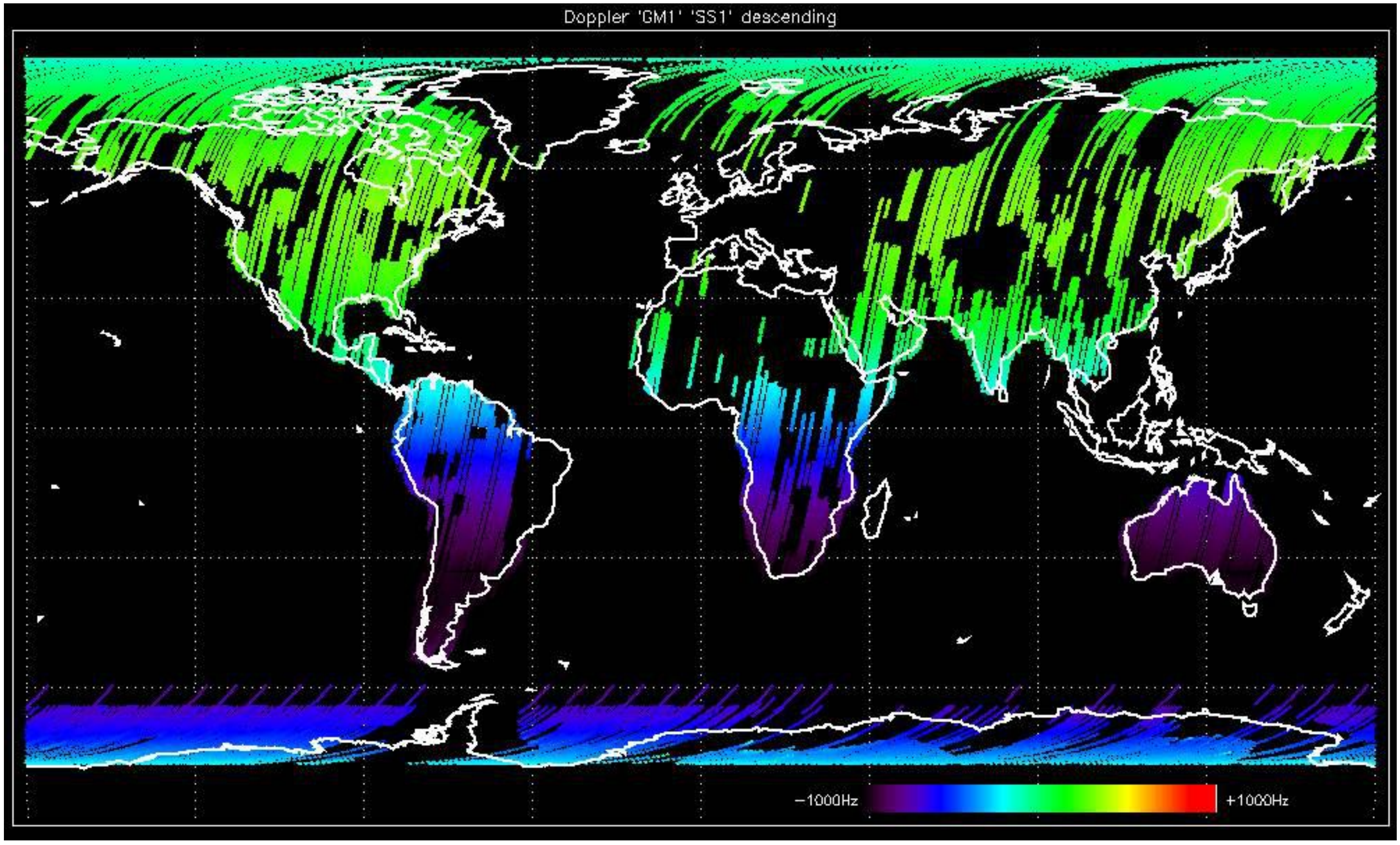

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

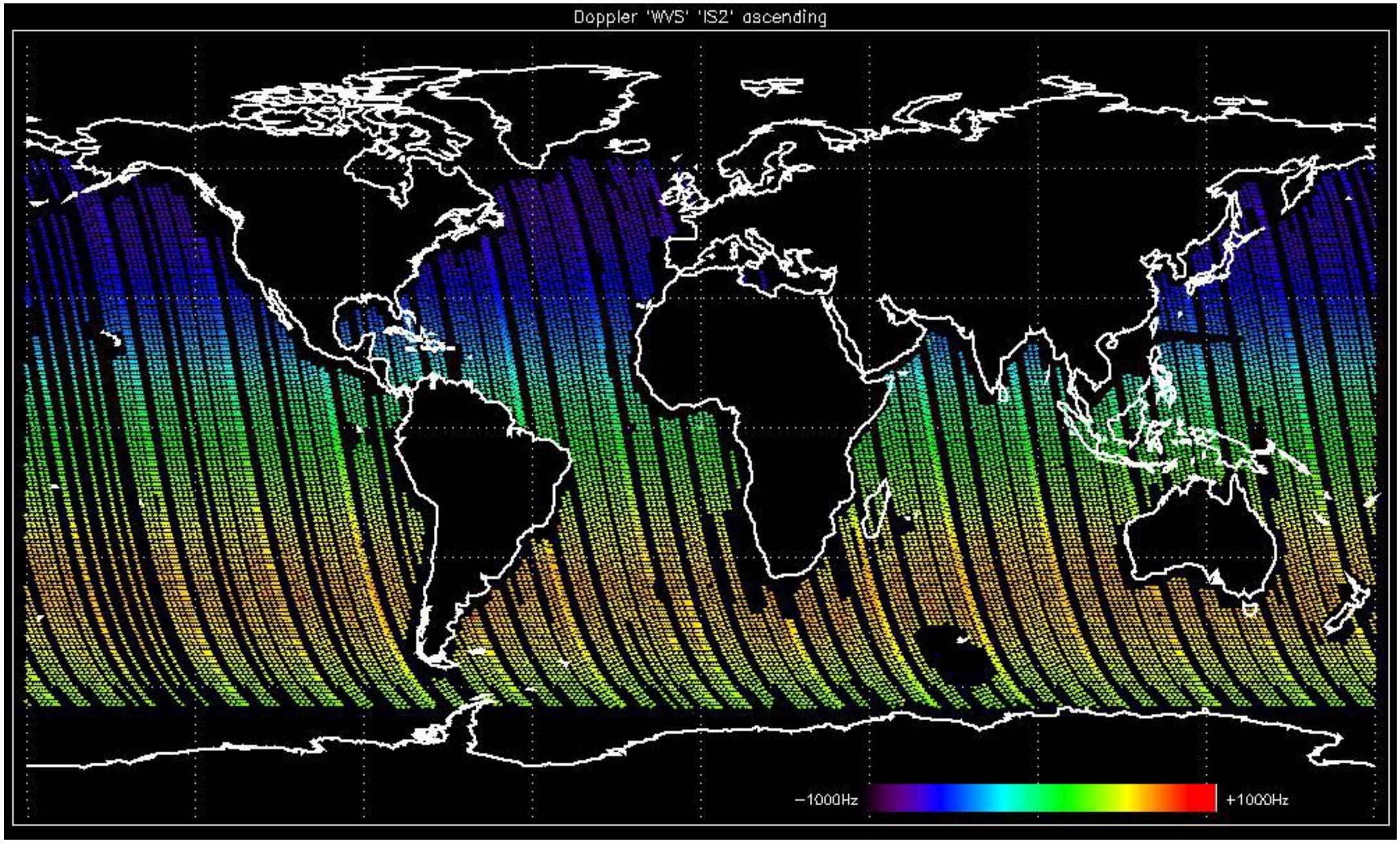

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

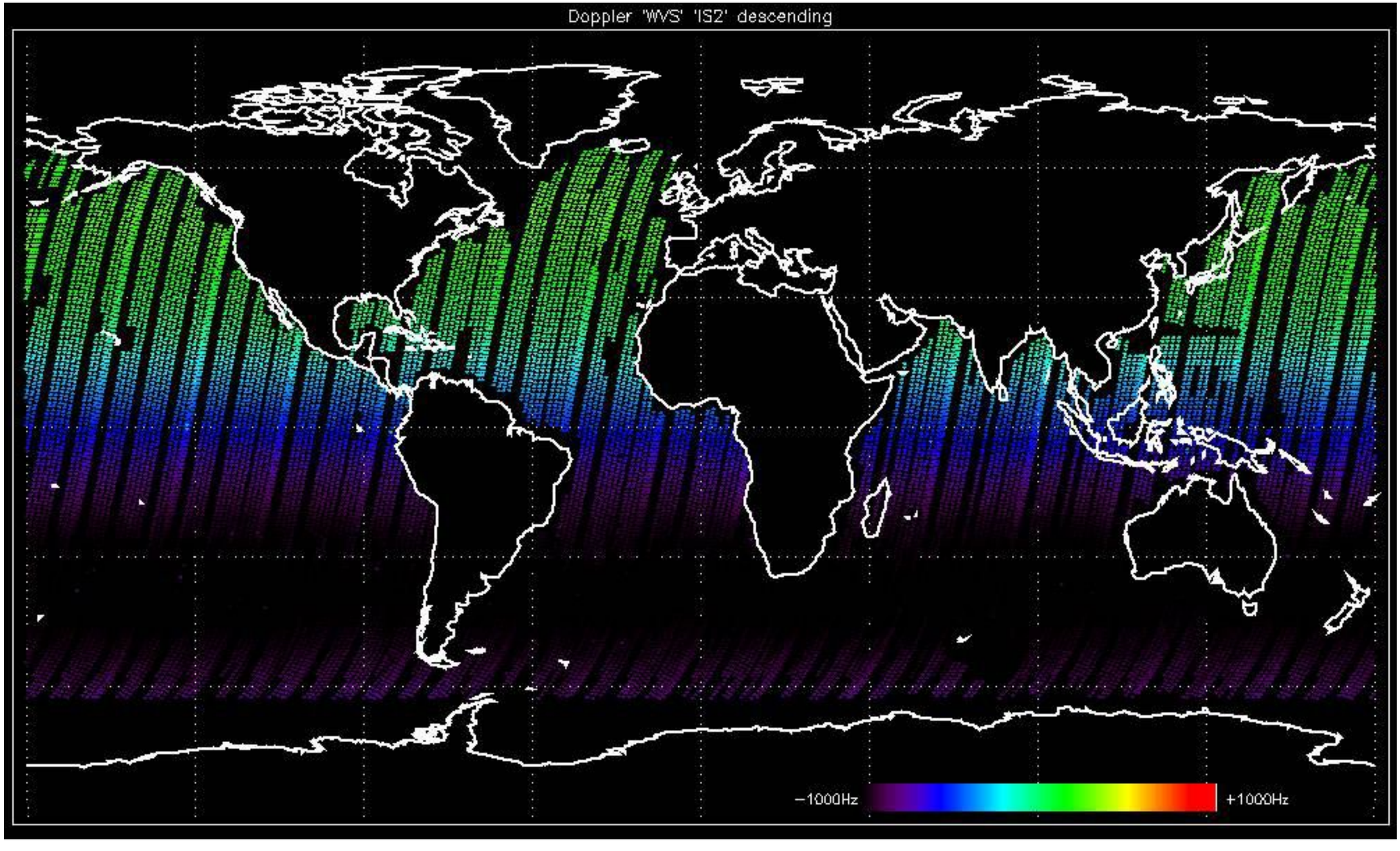
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

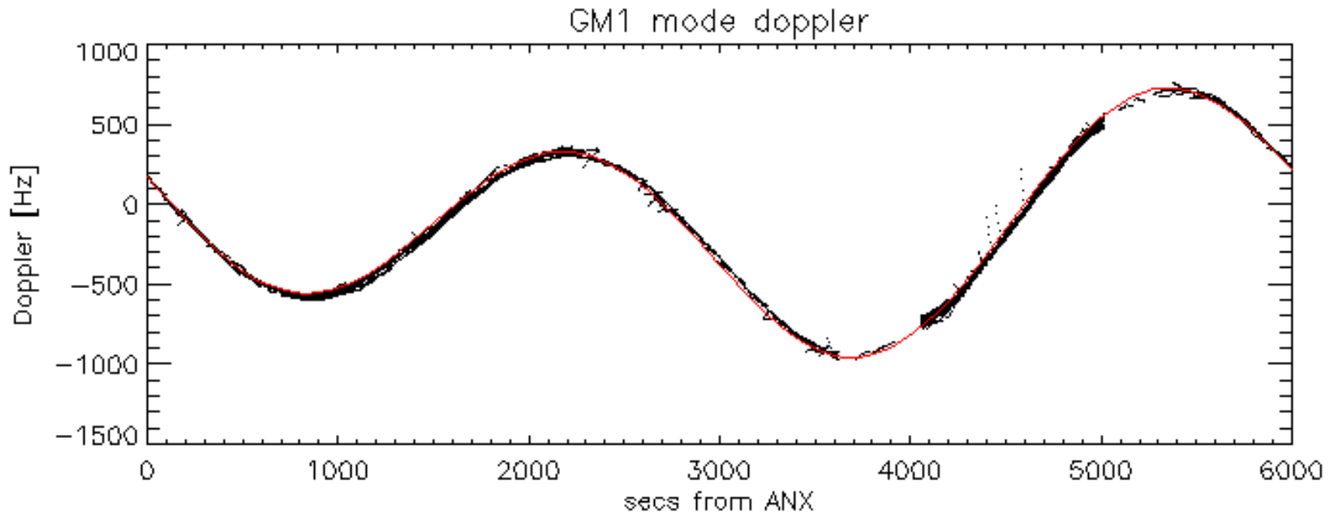
Preliminary report.The data is not yet controled

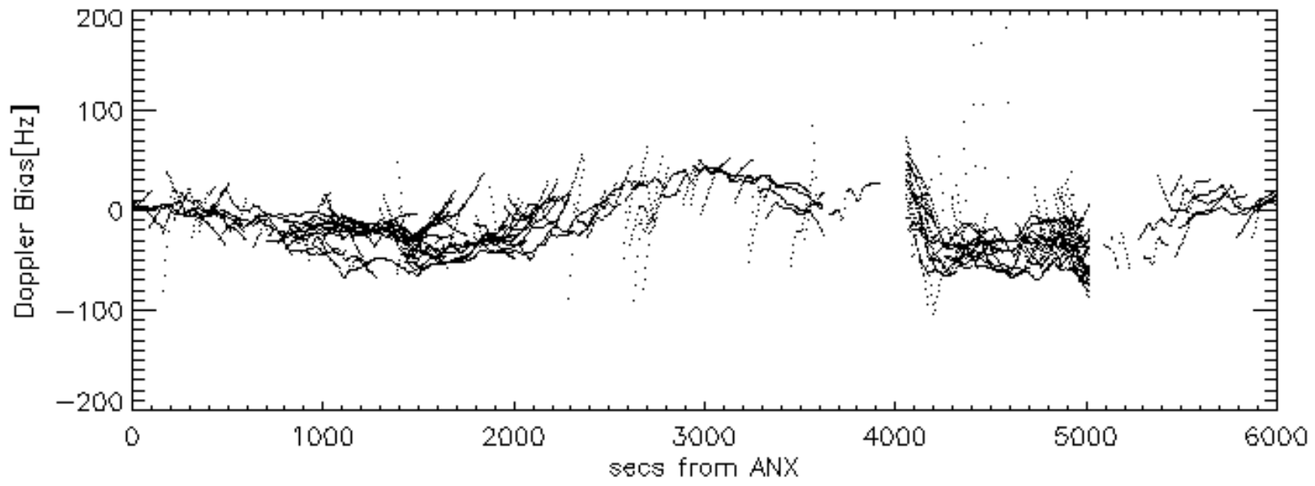

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

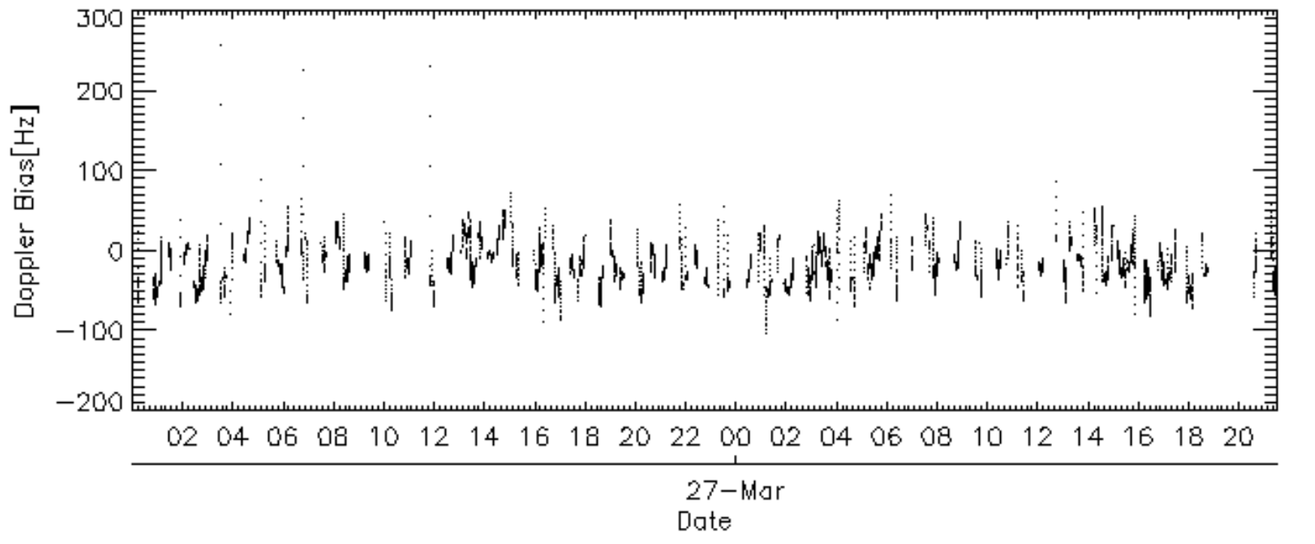

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

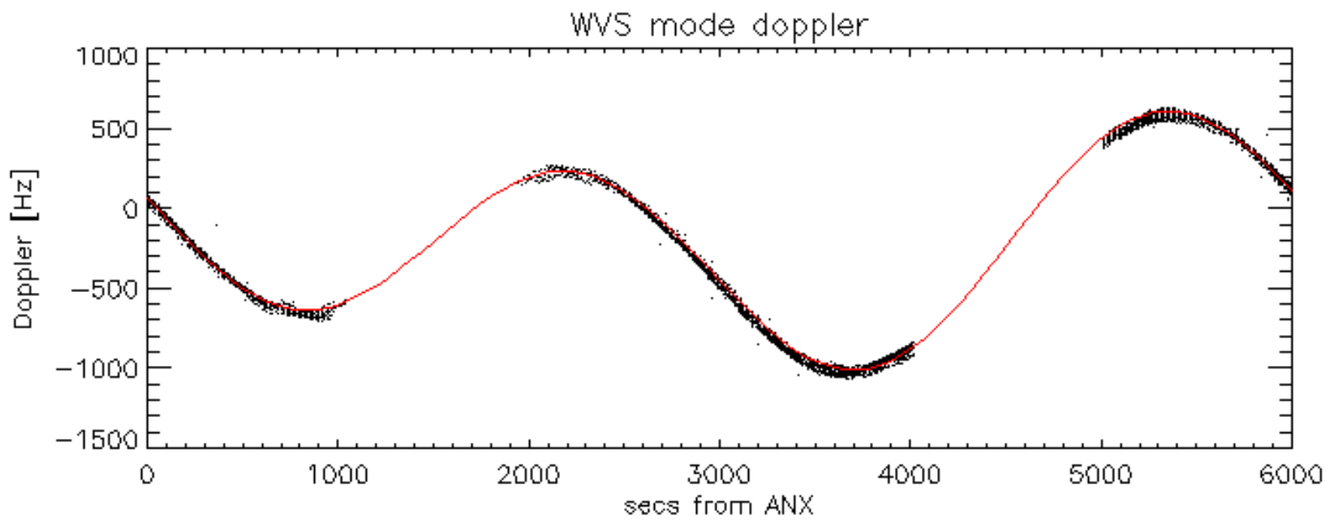

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

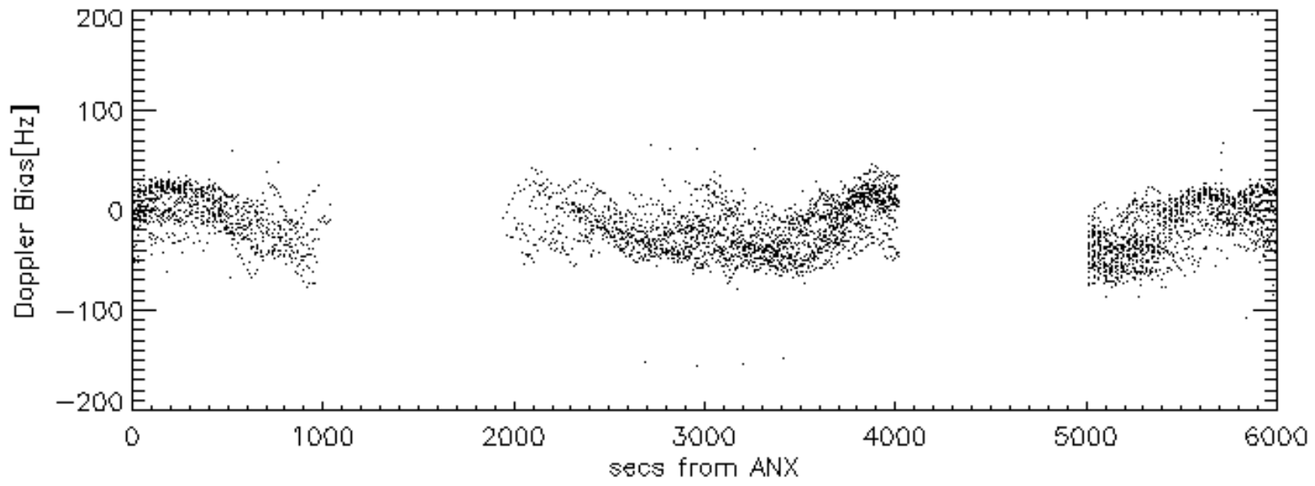

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

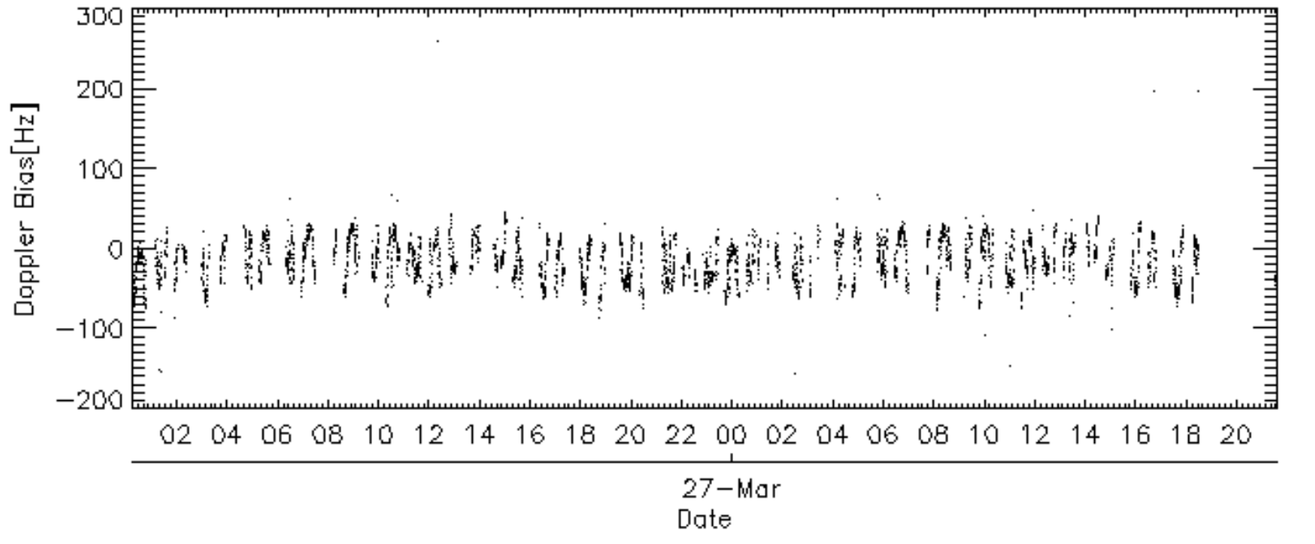

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

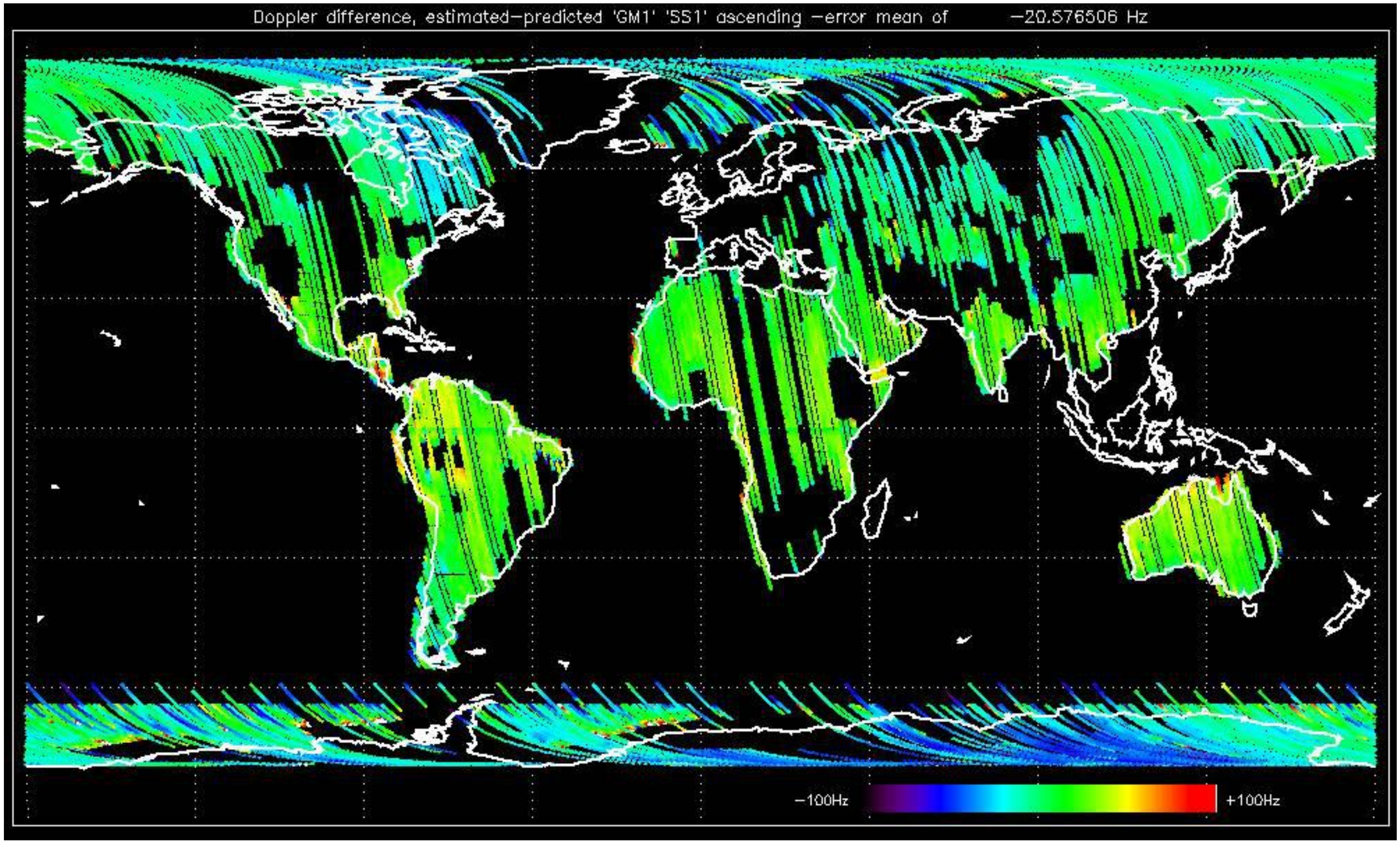

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

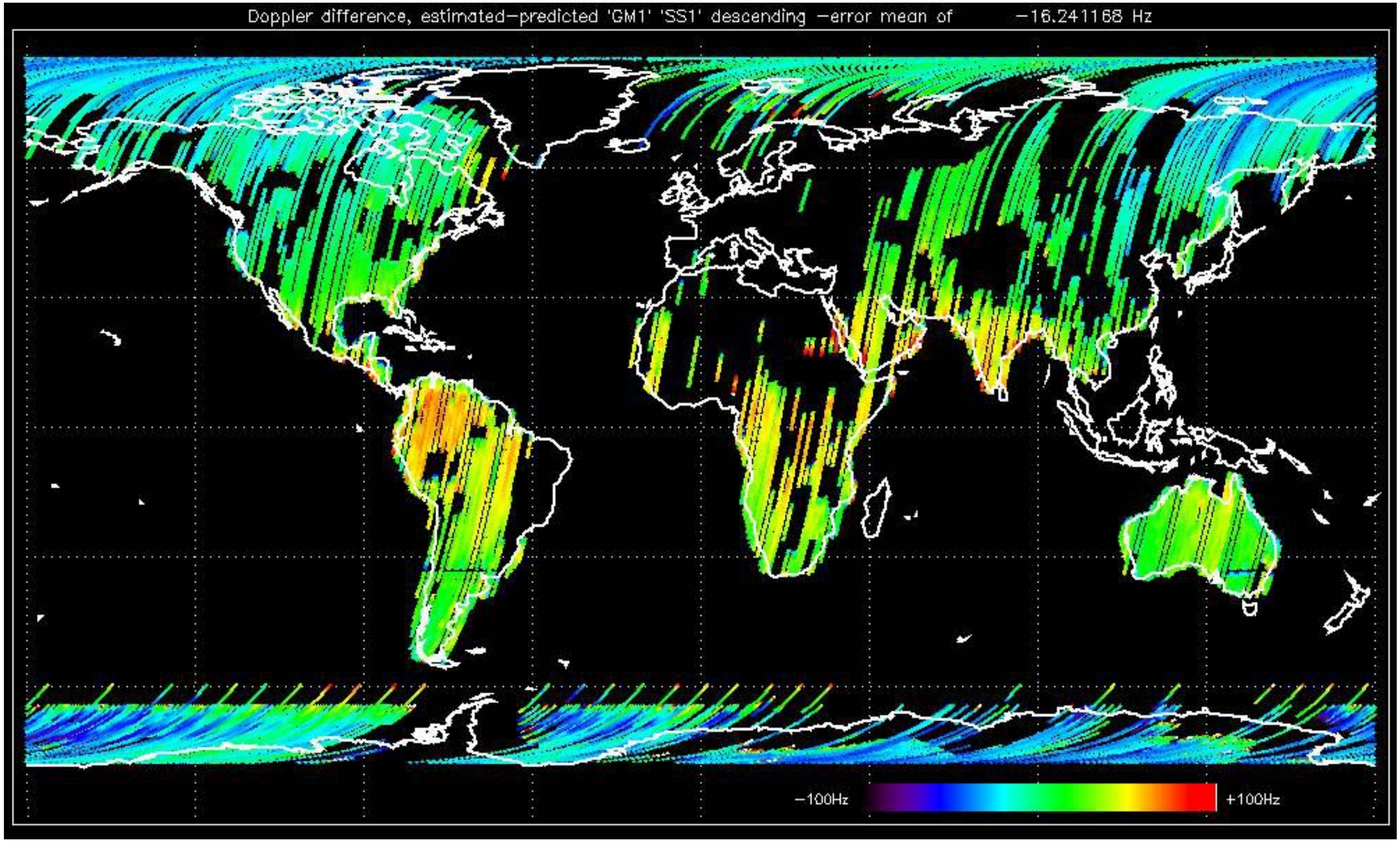

Doppler Bias[Hz]
300
200
100
0
−100
−200
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18 20
27−Mar
Date

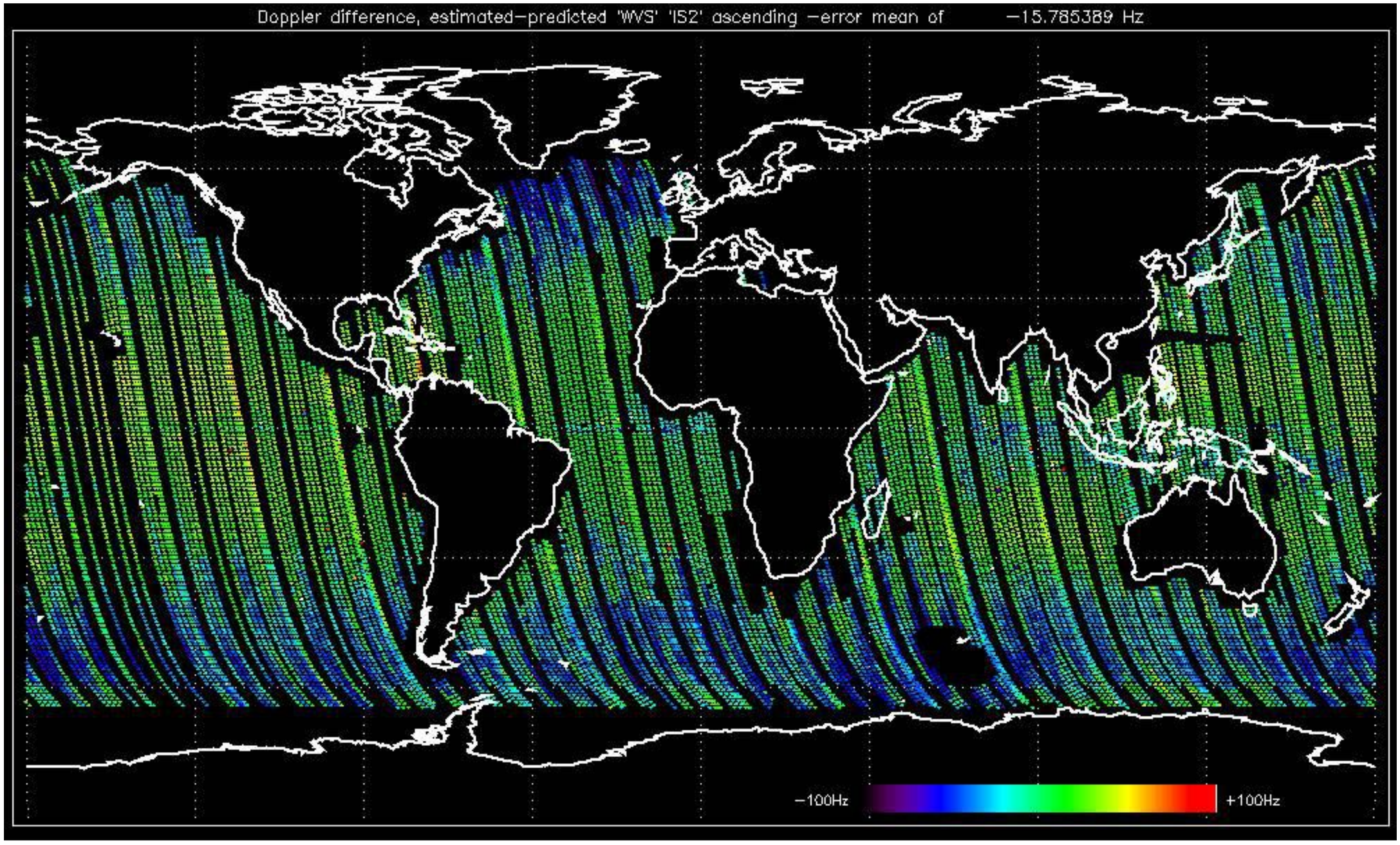

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

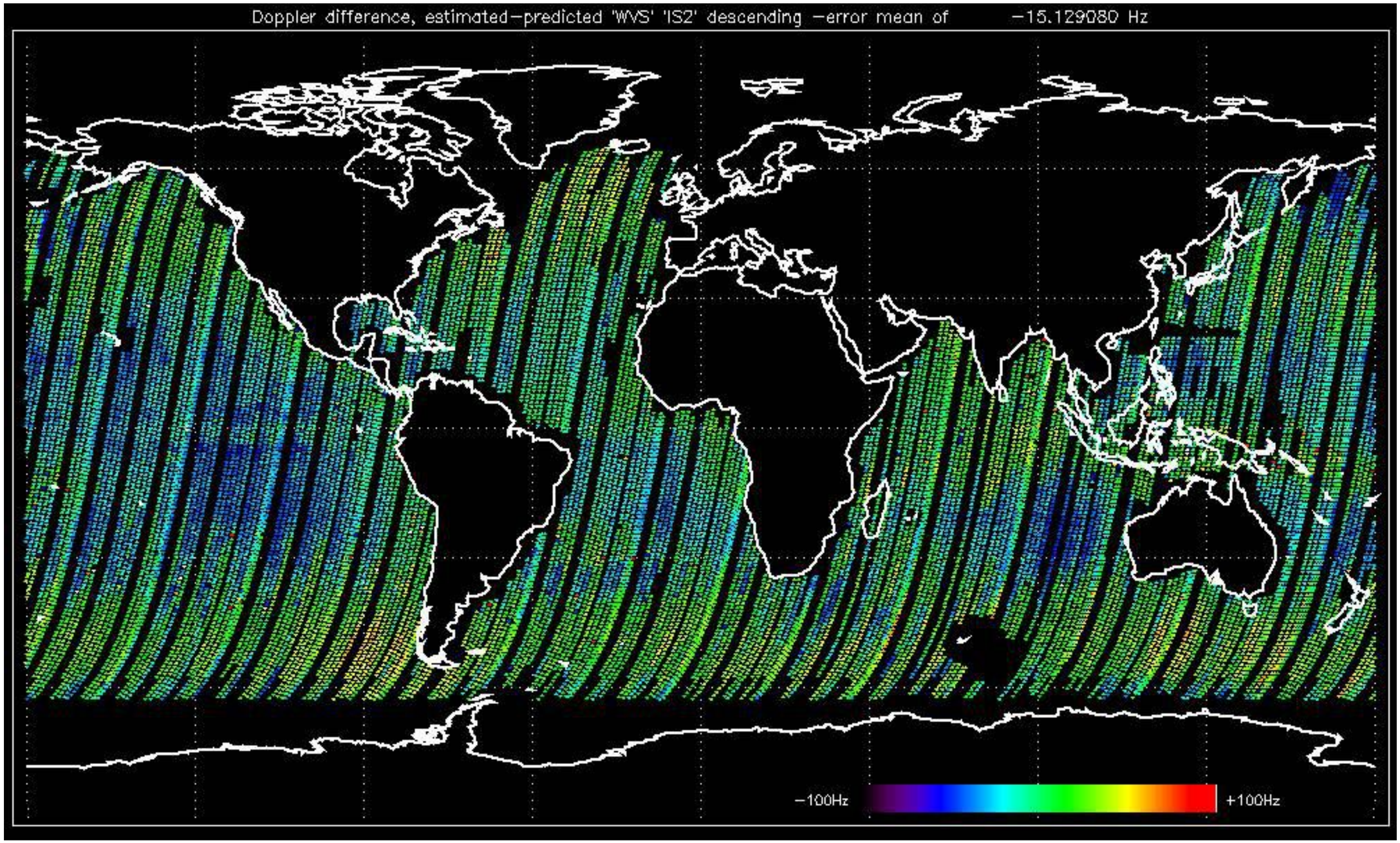

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
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
27−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.576506 Hz
−100Hz
+100Hz

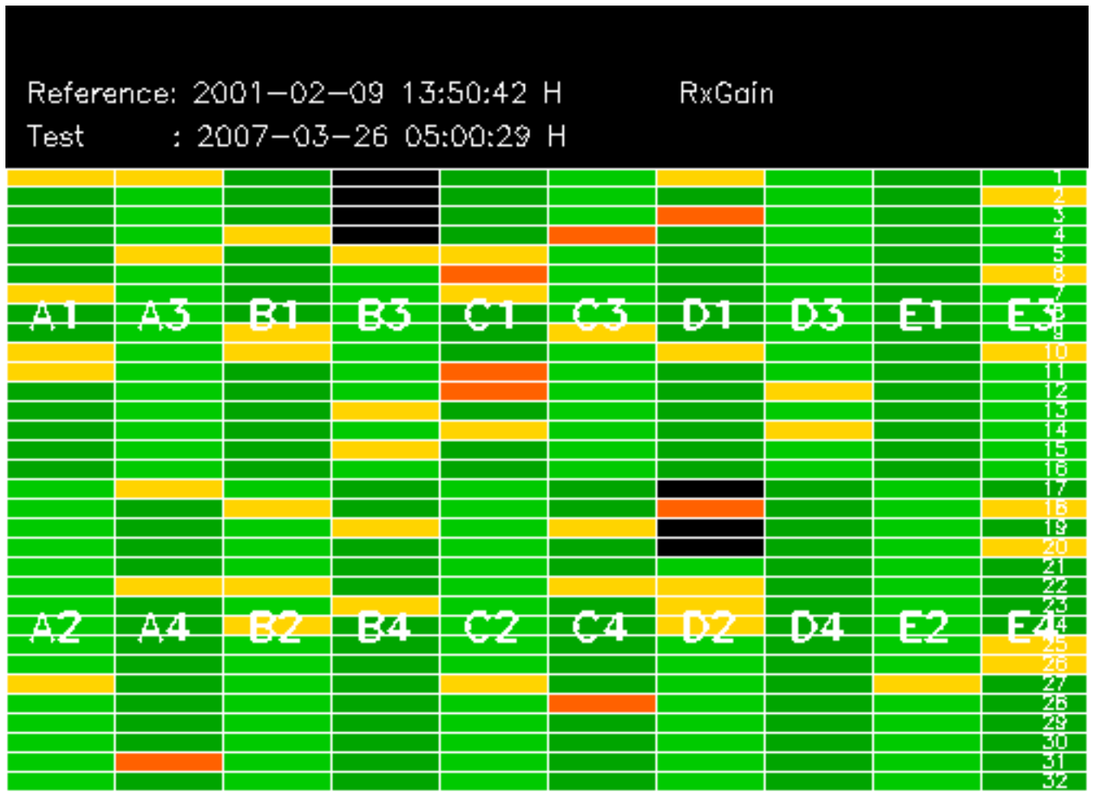

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.241168 Hz
-100Hz
+100Hz

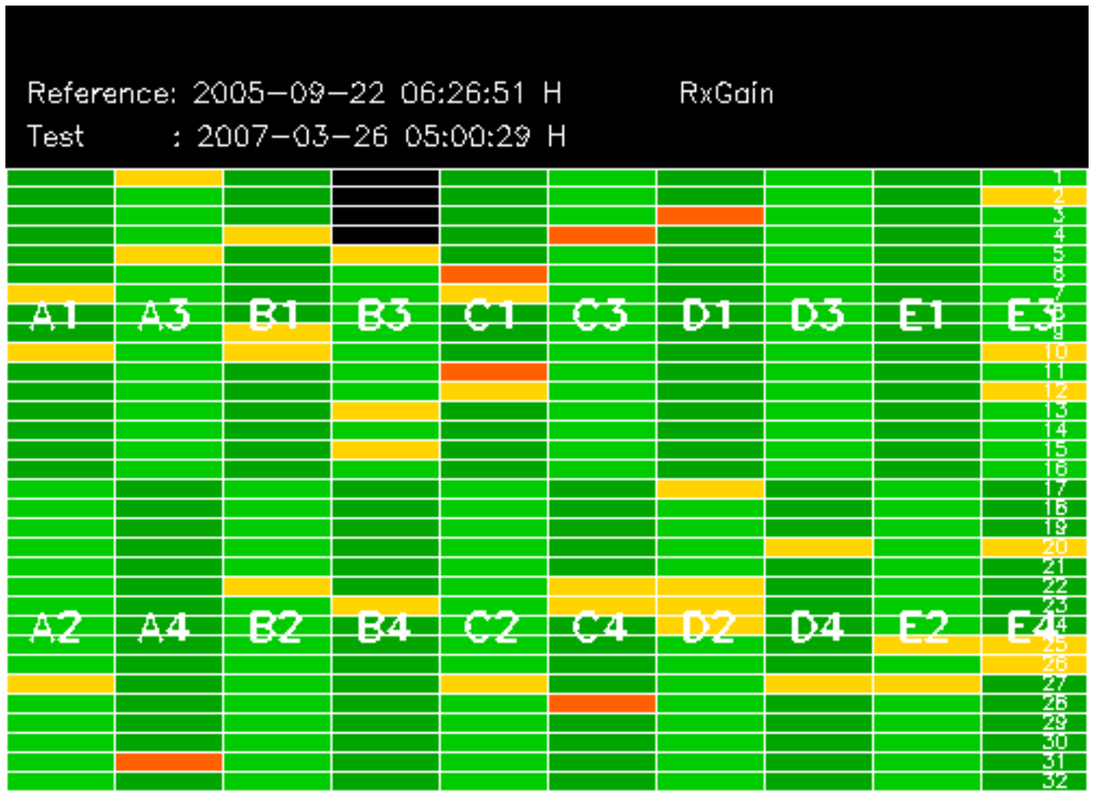

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.785389 Hz
−100Hz
+100Hz

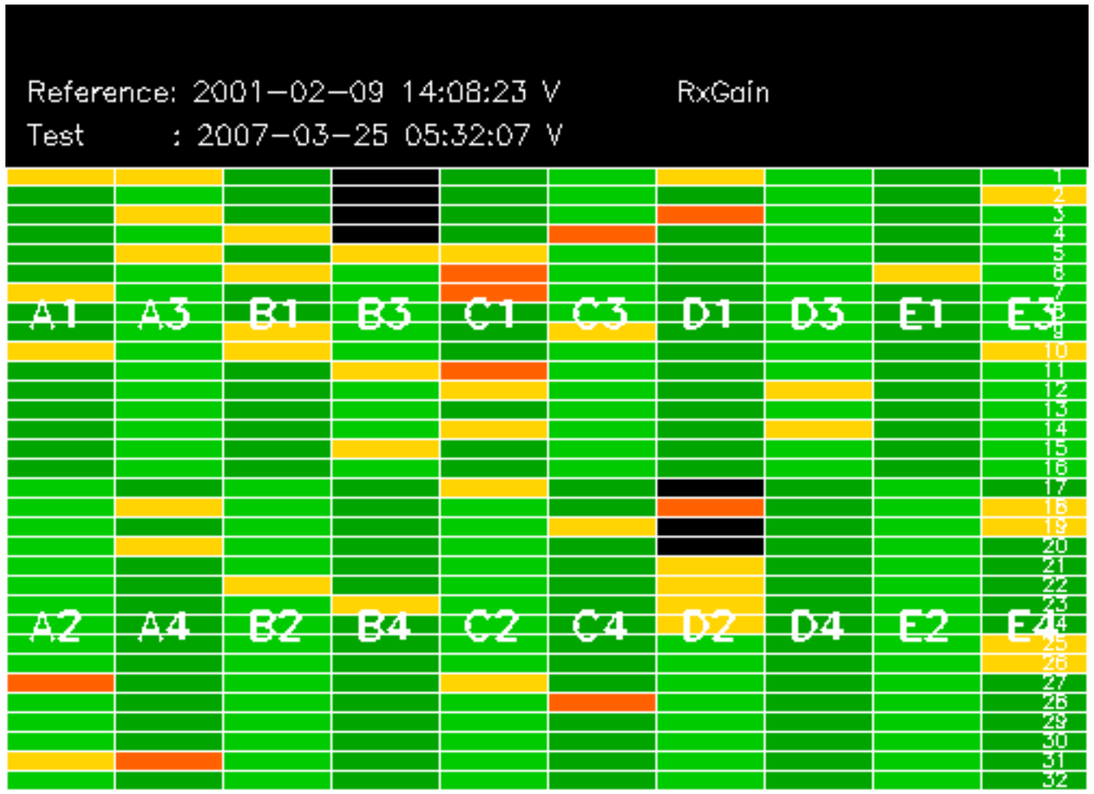

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −15.129080 Hz
−100Hz
+100Hz

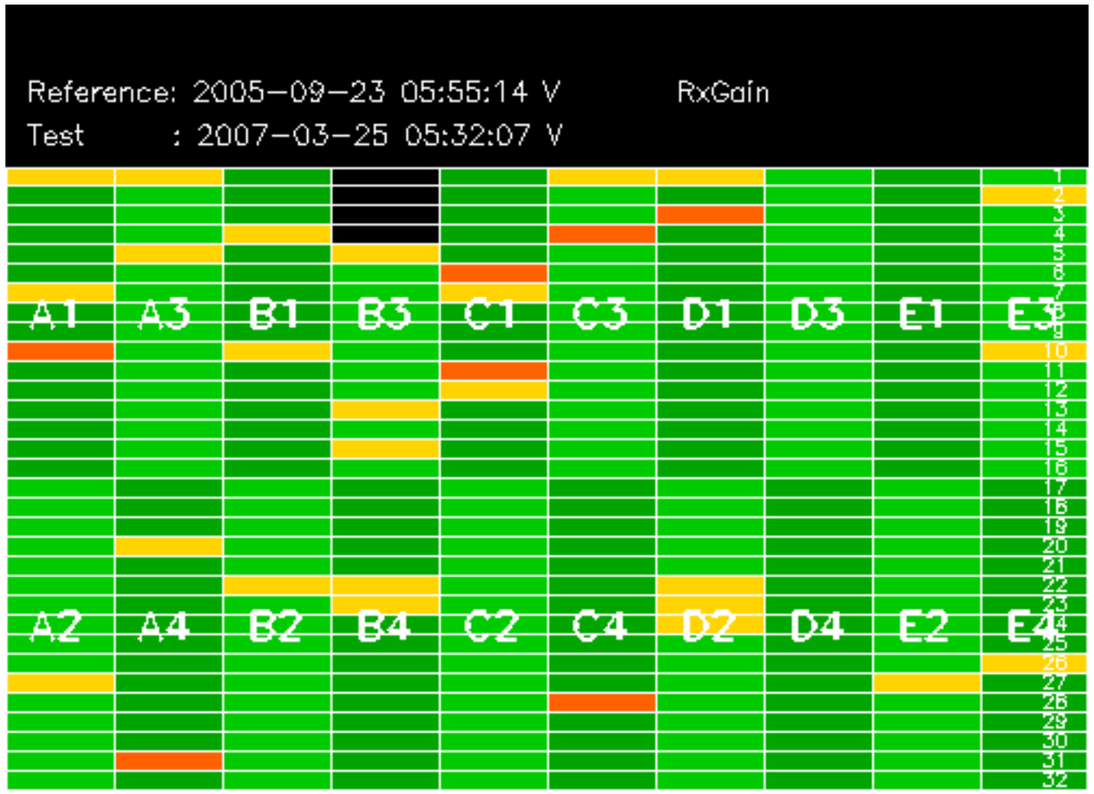
No anomalies observed on available MS products:

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
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: 2001-02-09 14:08:23 V
RxGain
Test : 2007-03-25 05:32:07 V
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 : 2007-03-25 05:32:07 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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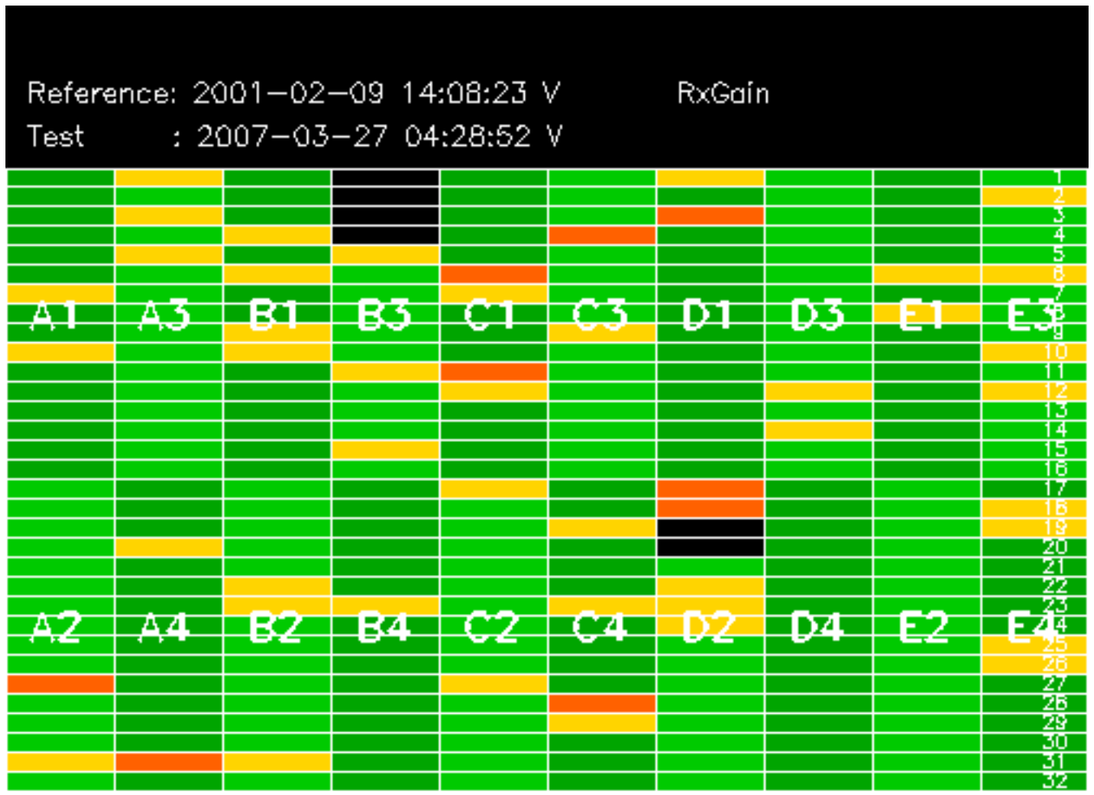
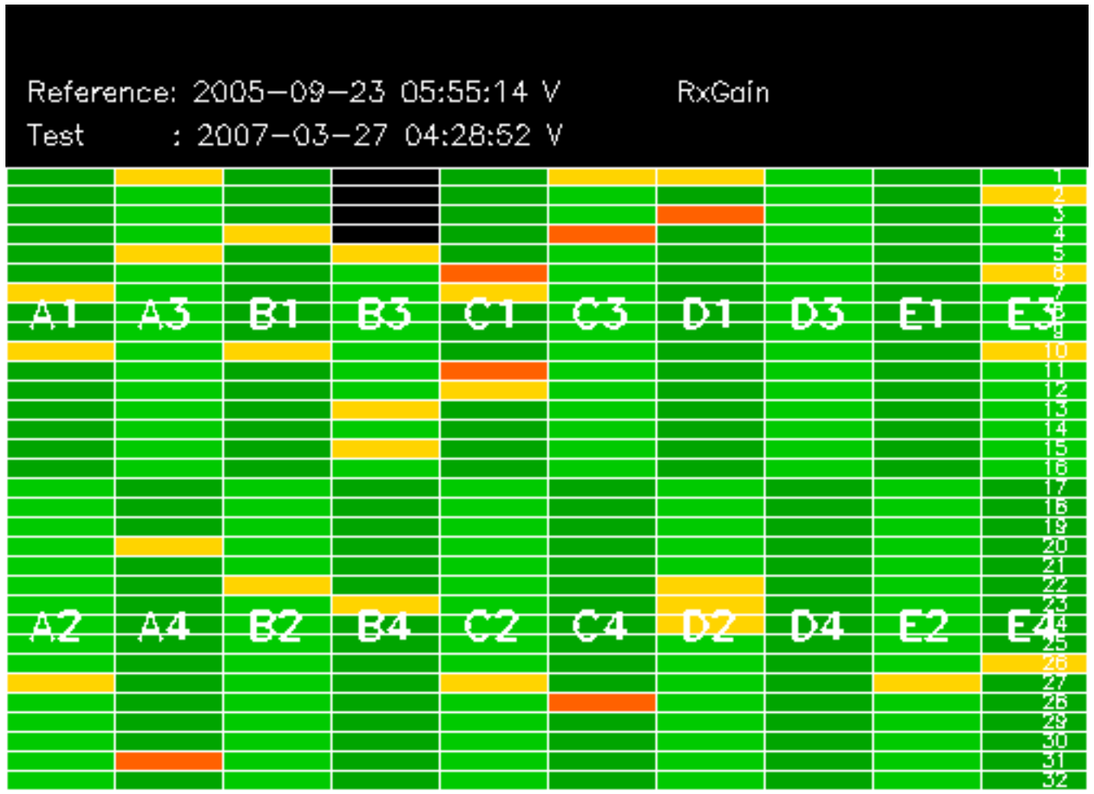

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-03-27 04:28:52 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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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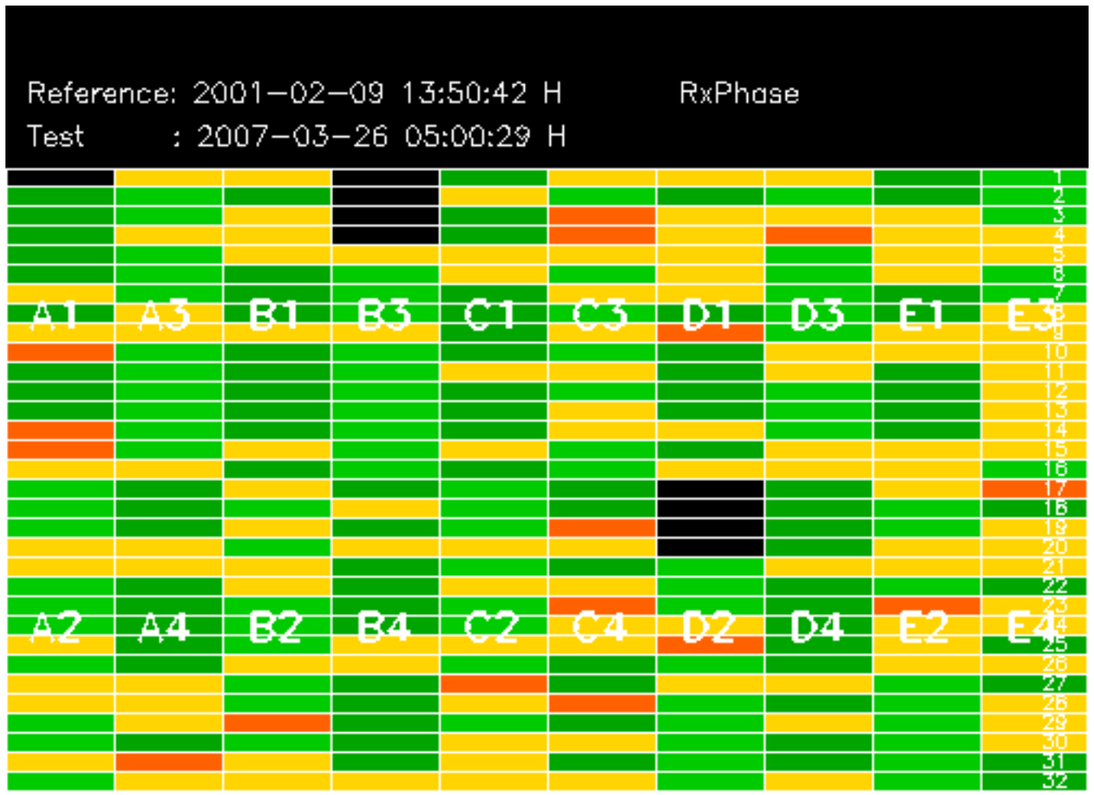
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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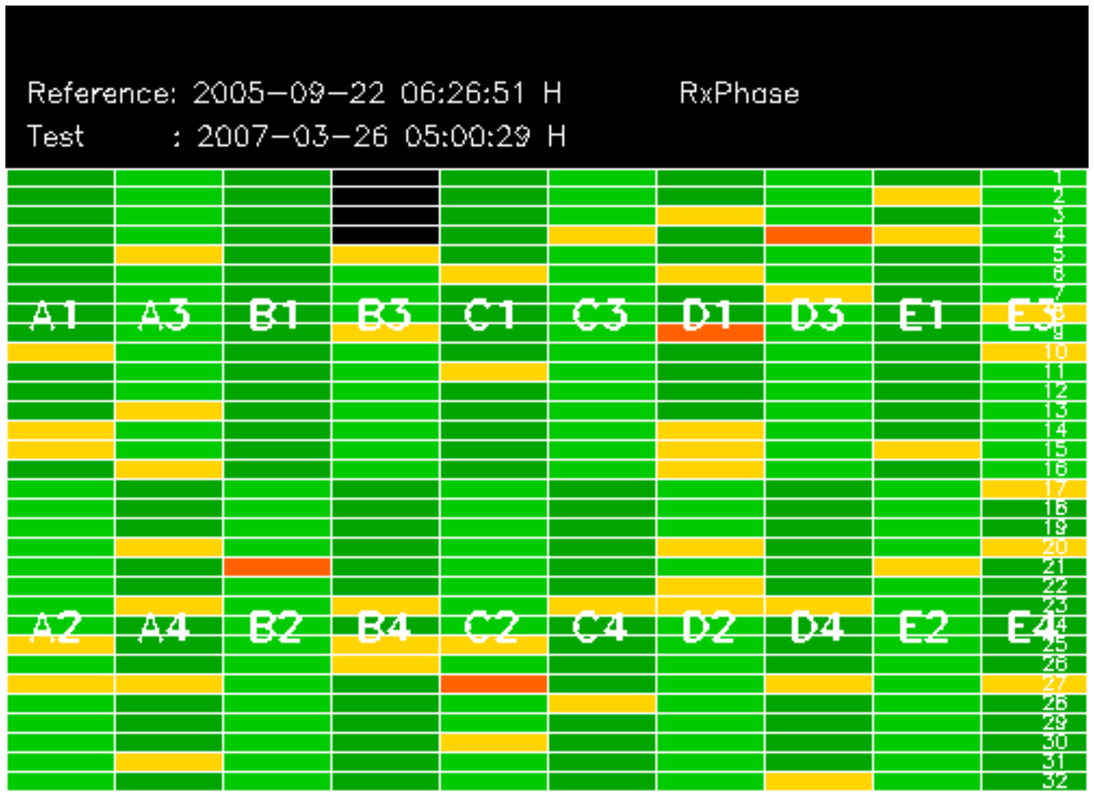
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-26 05:00:29 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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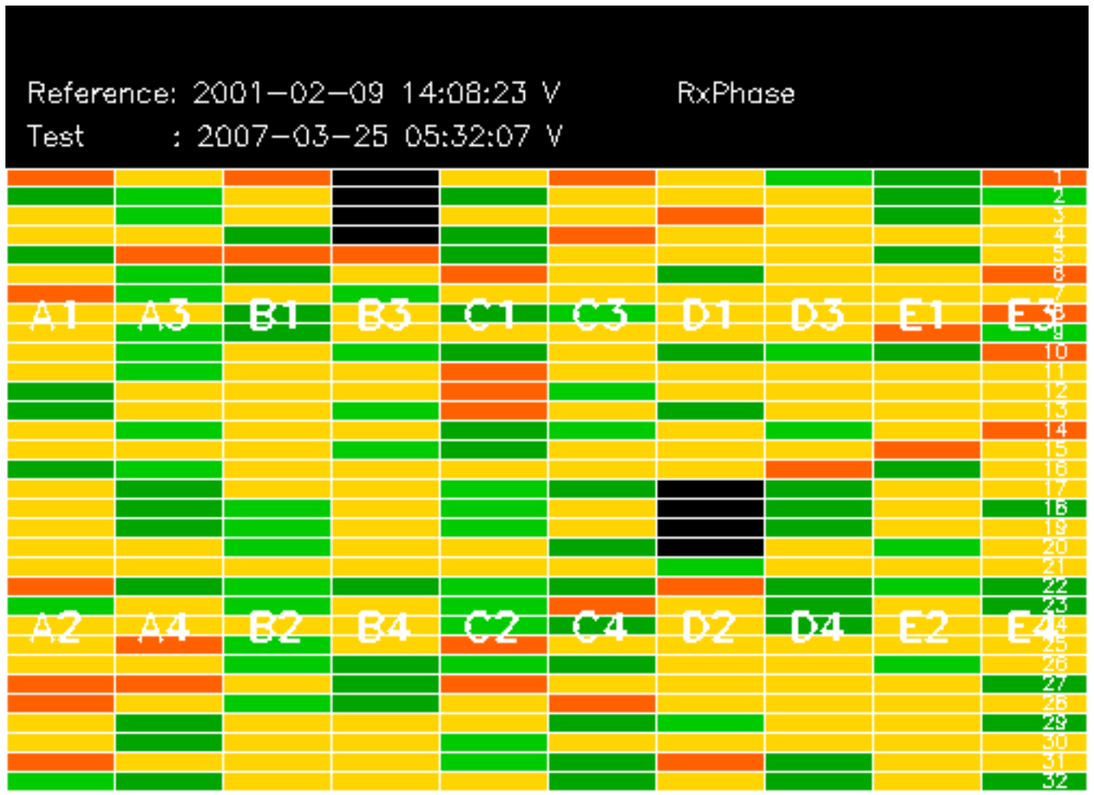
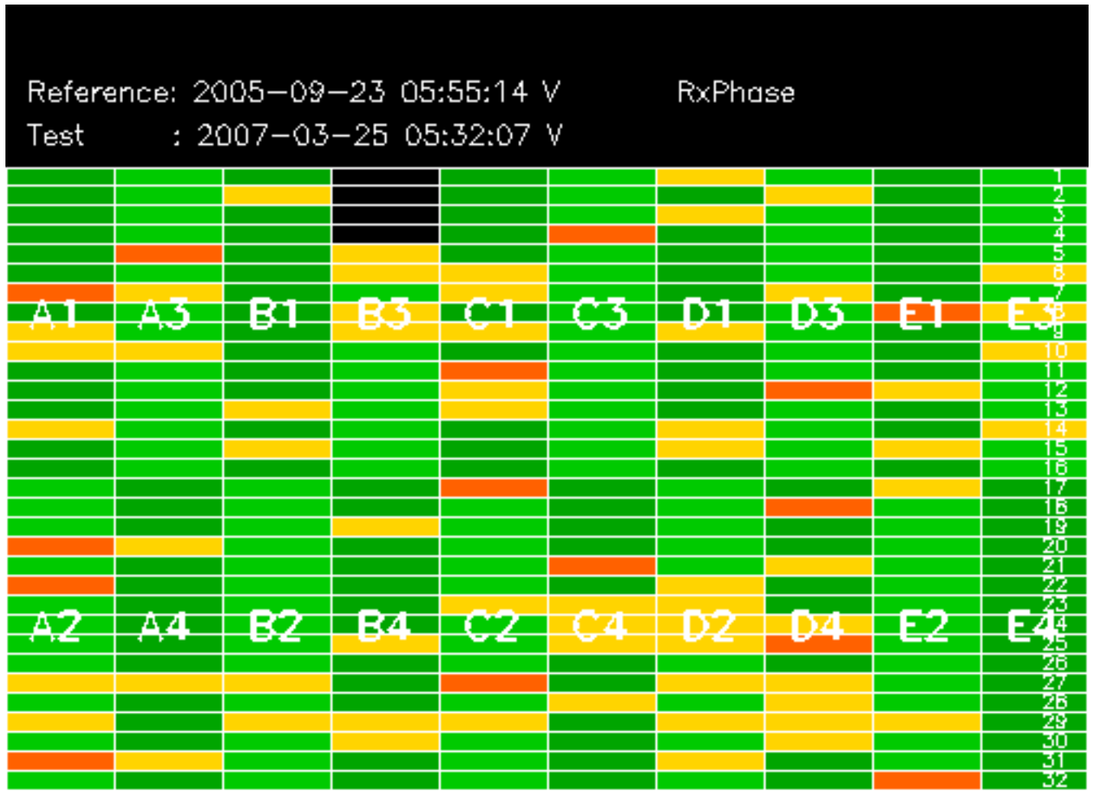

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-25 05:32:07 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-25 05:32:07 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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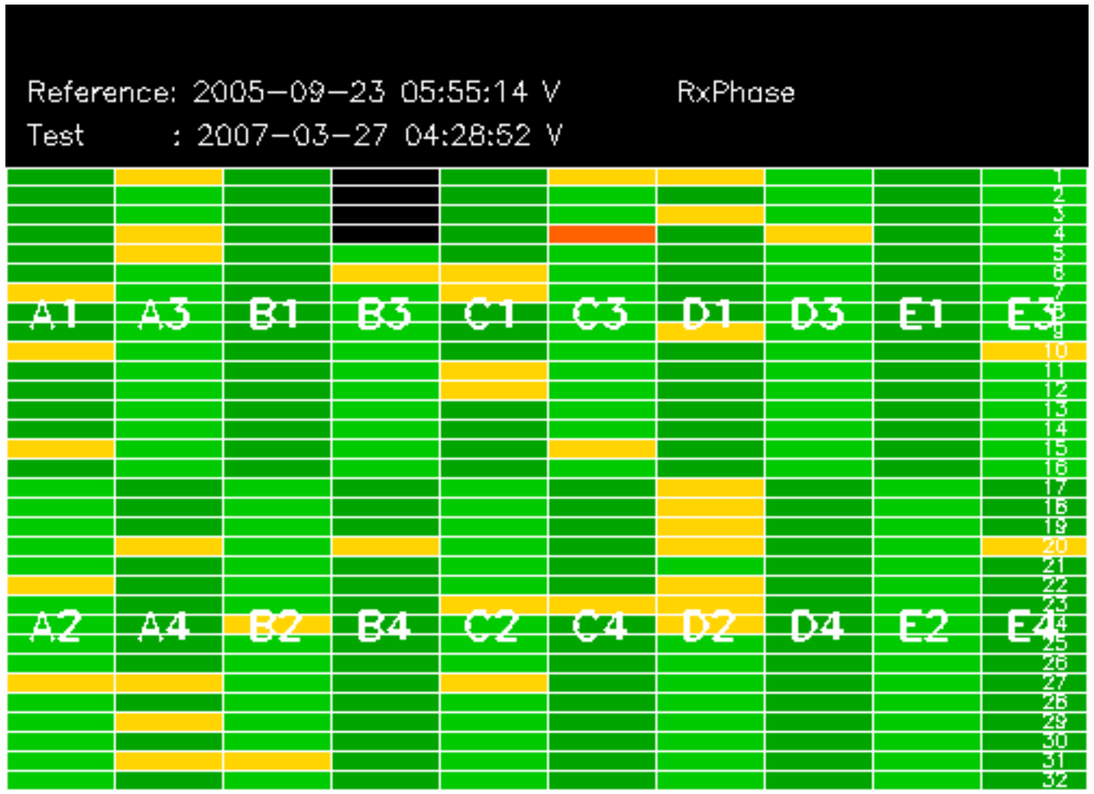
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-03-27 04:28:52 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


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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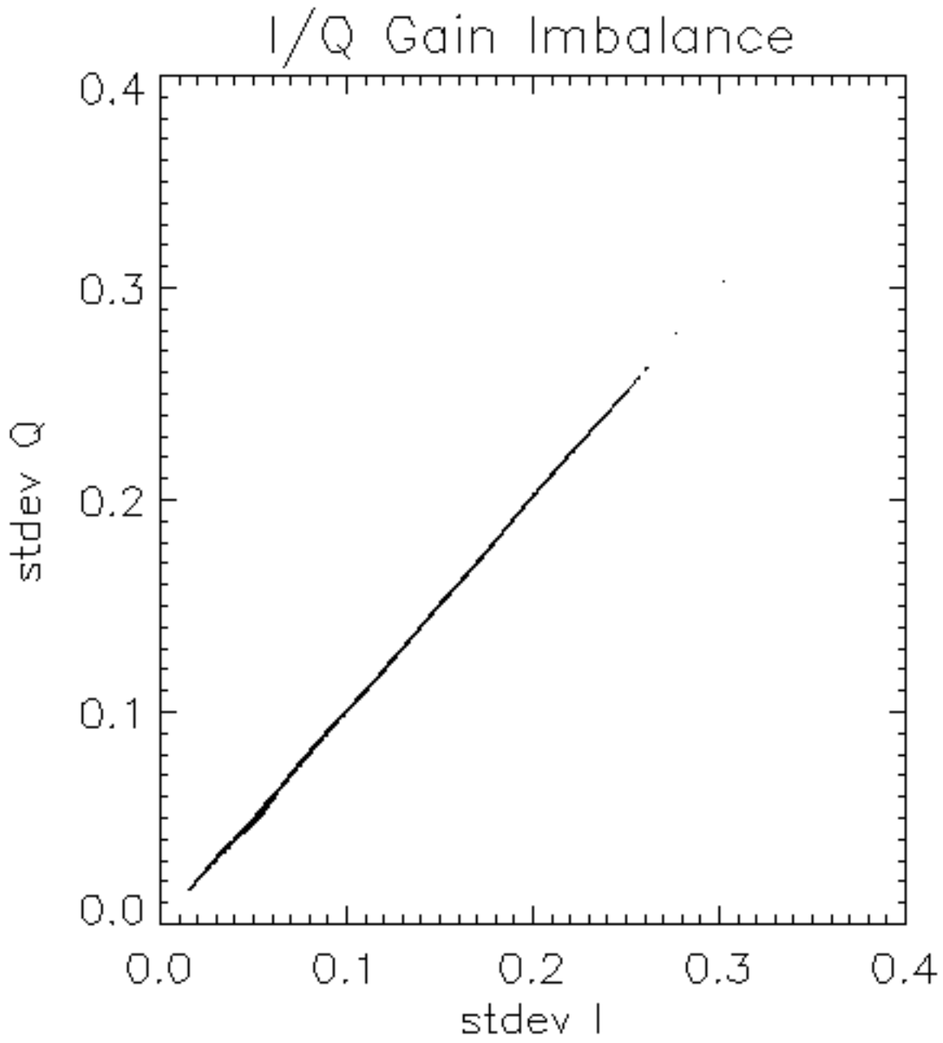
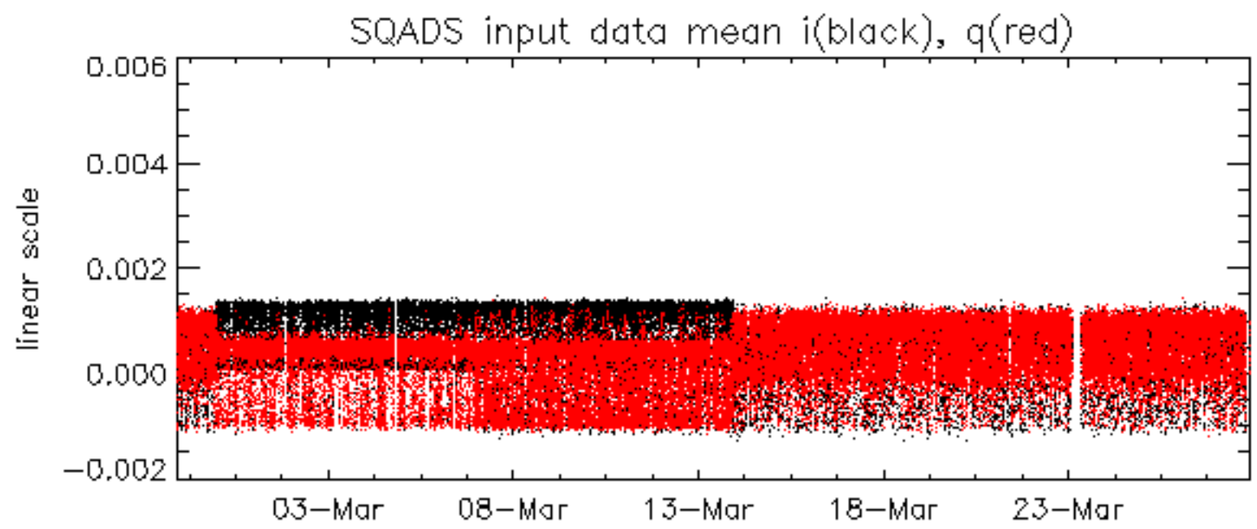
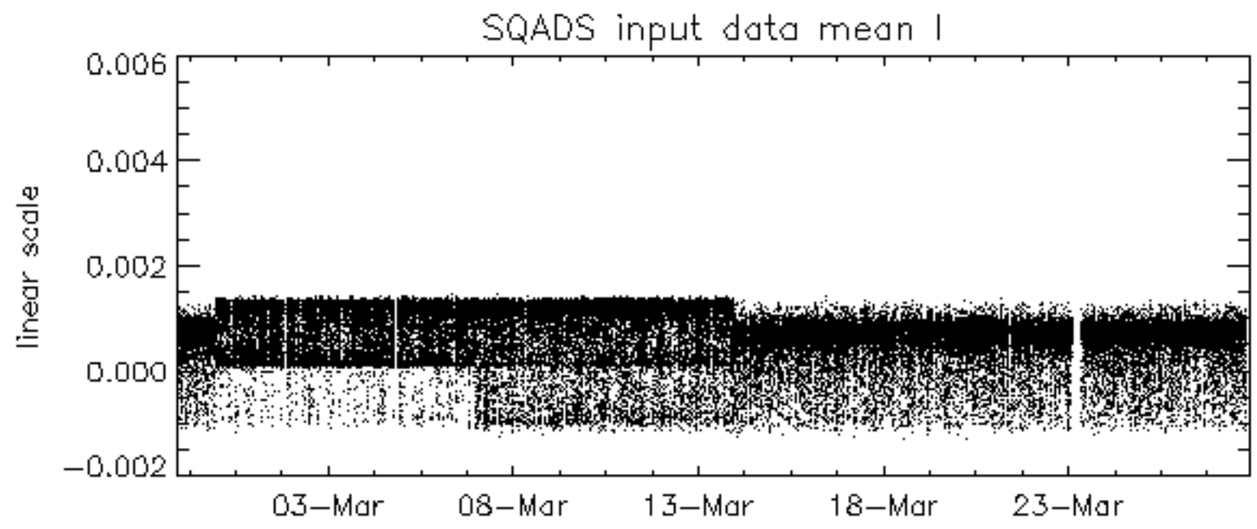
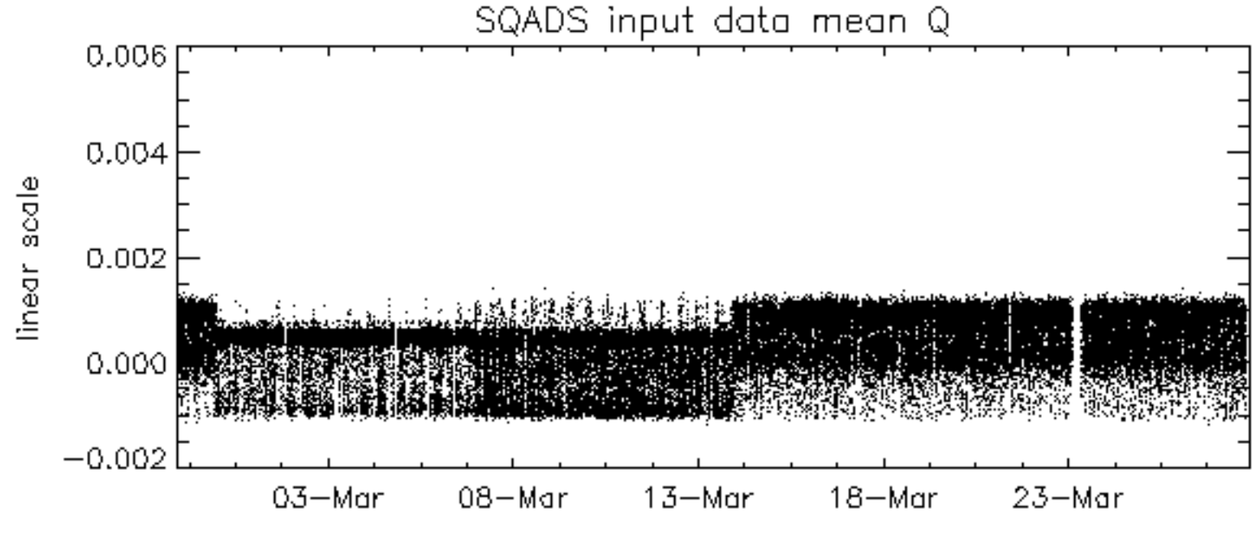
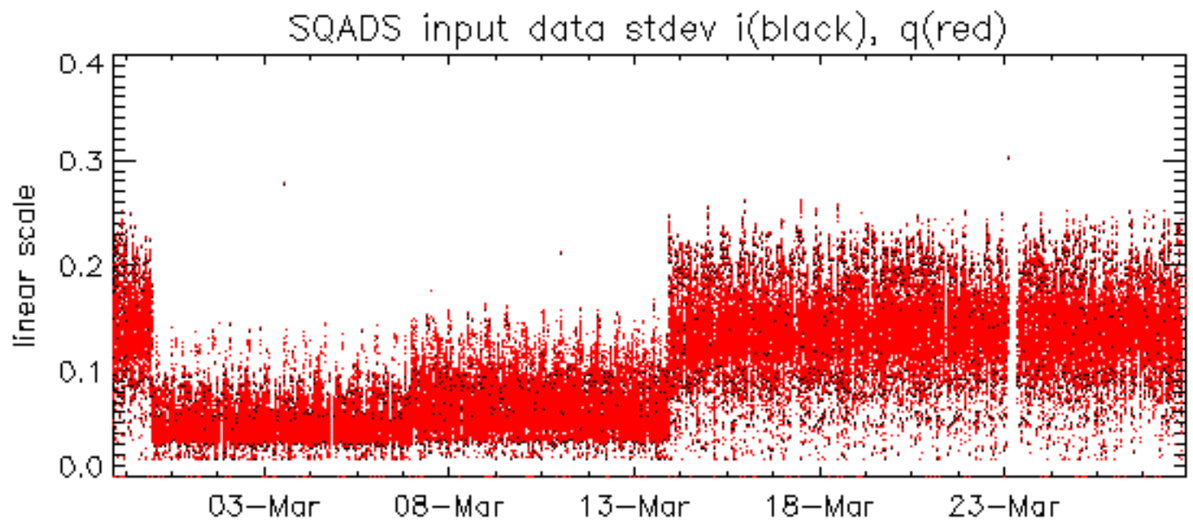
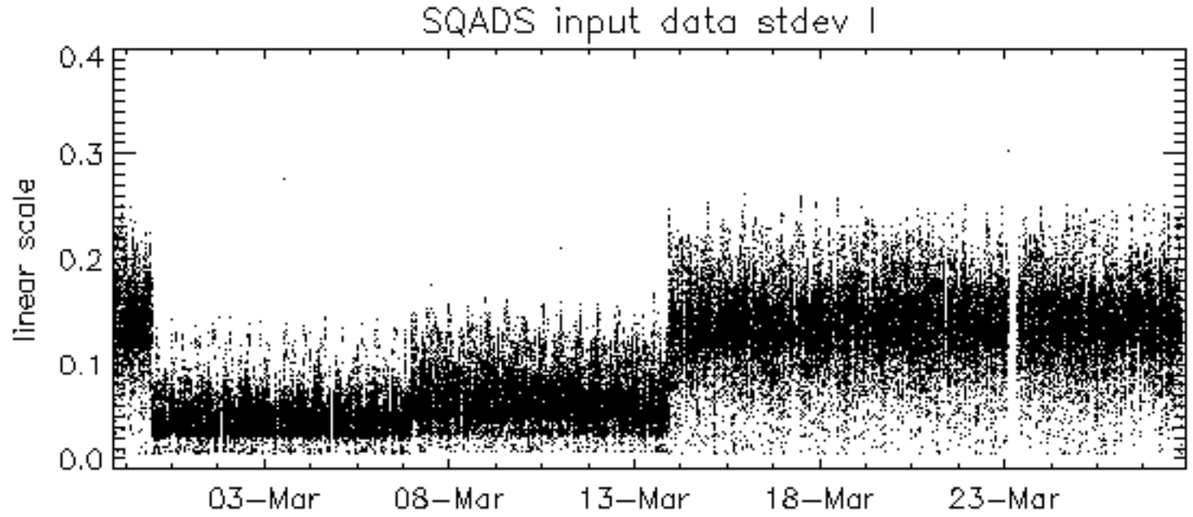

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

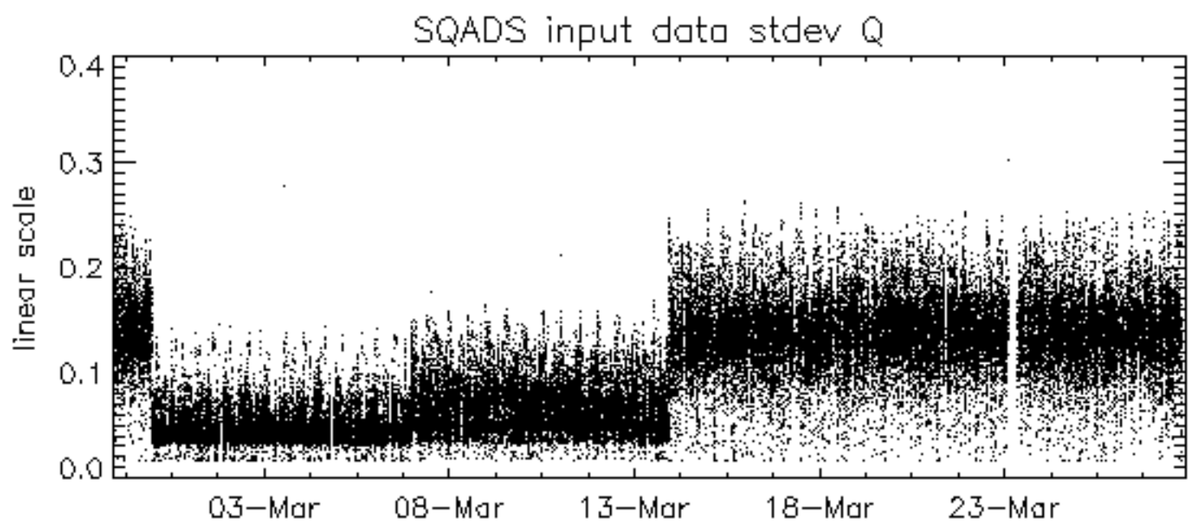

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar

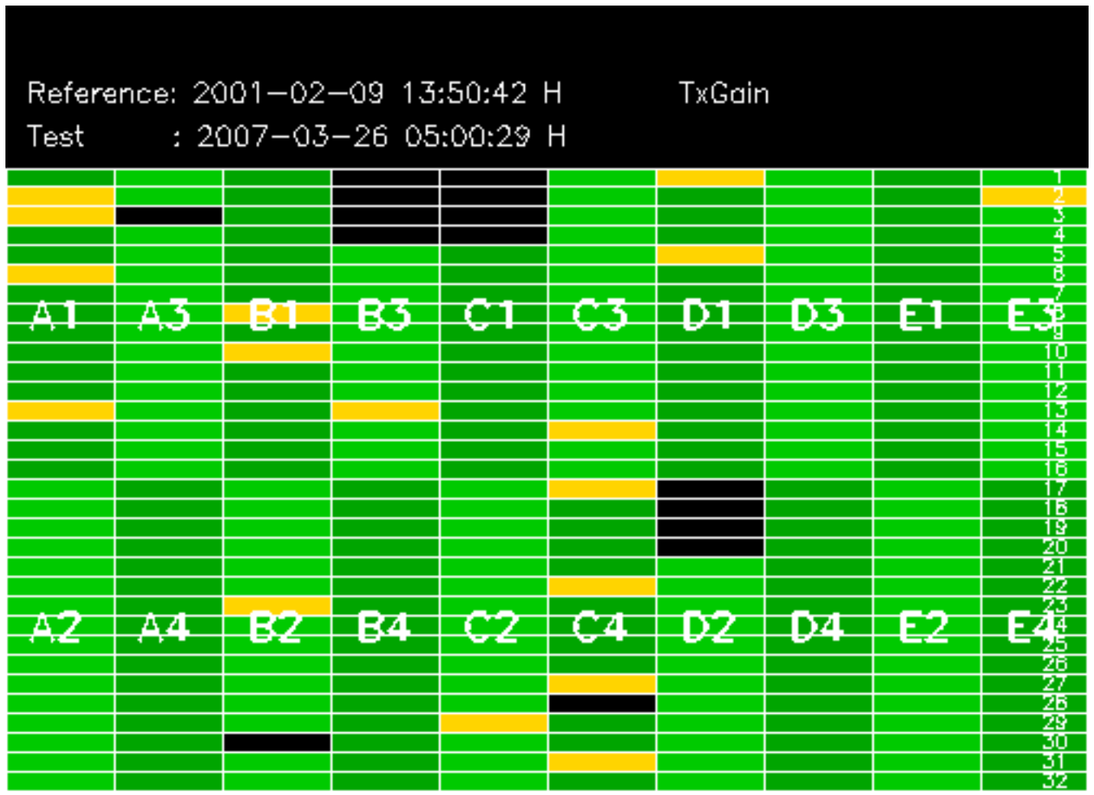

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar
23−Mar


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


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


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


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


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
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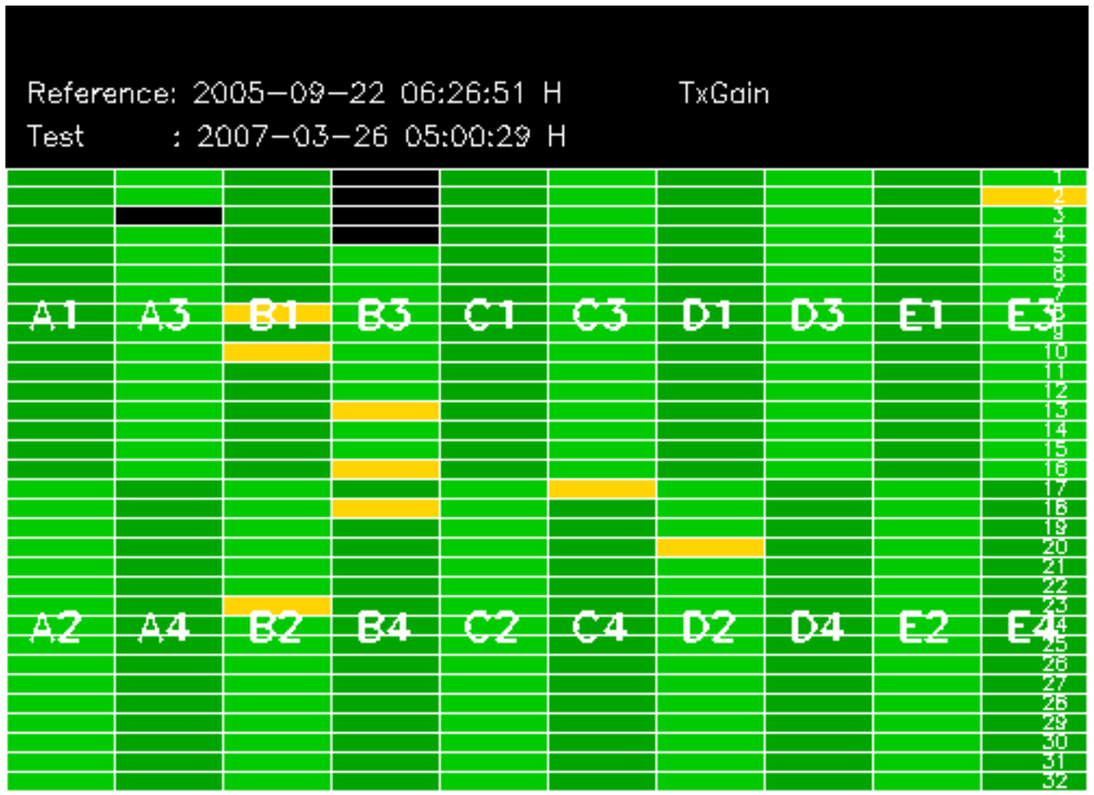
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-26 05:00:29 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
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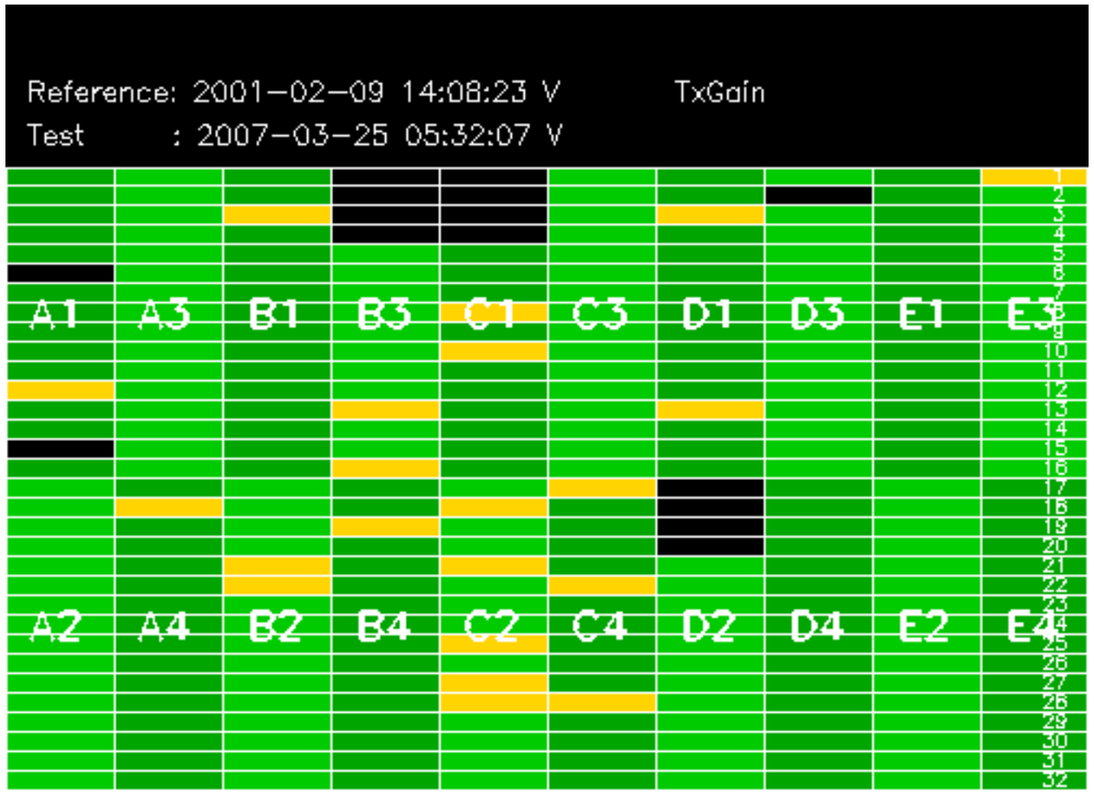
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-25 05:32:07 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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C4
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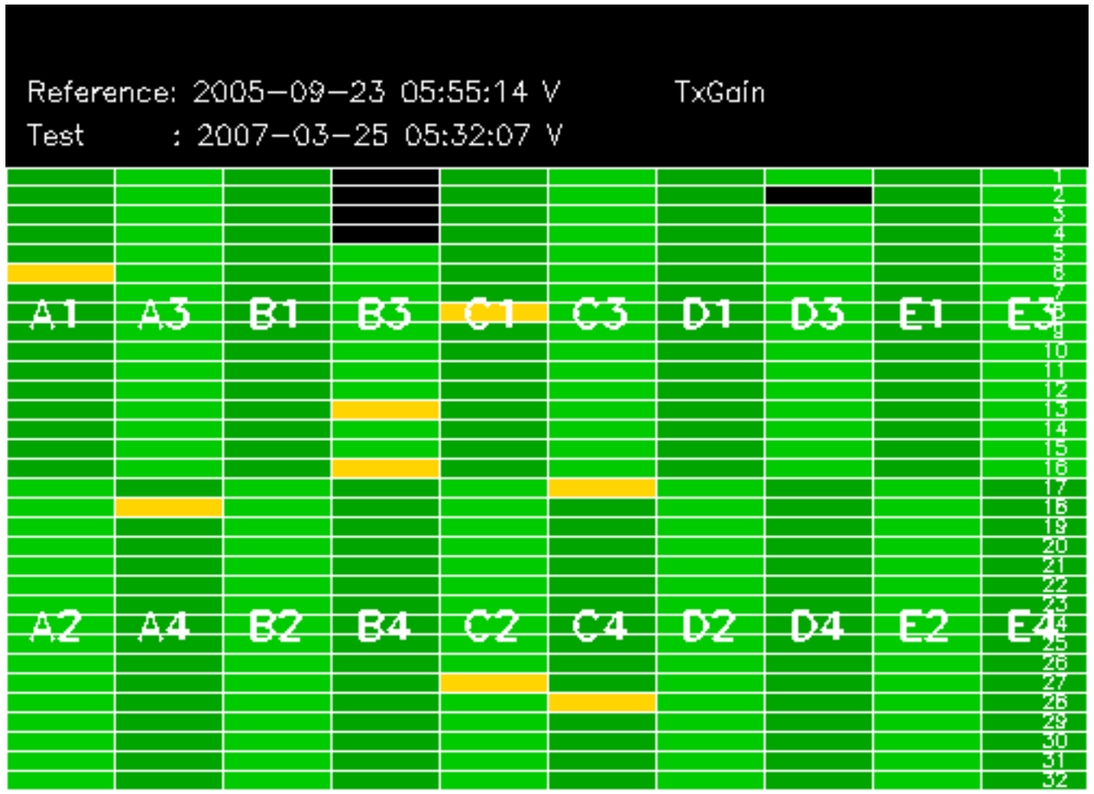
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-25 05:32:07 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
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B4
C2
C4
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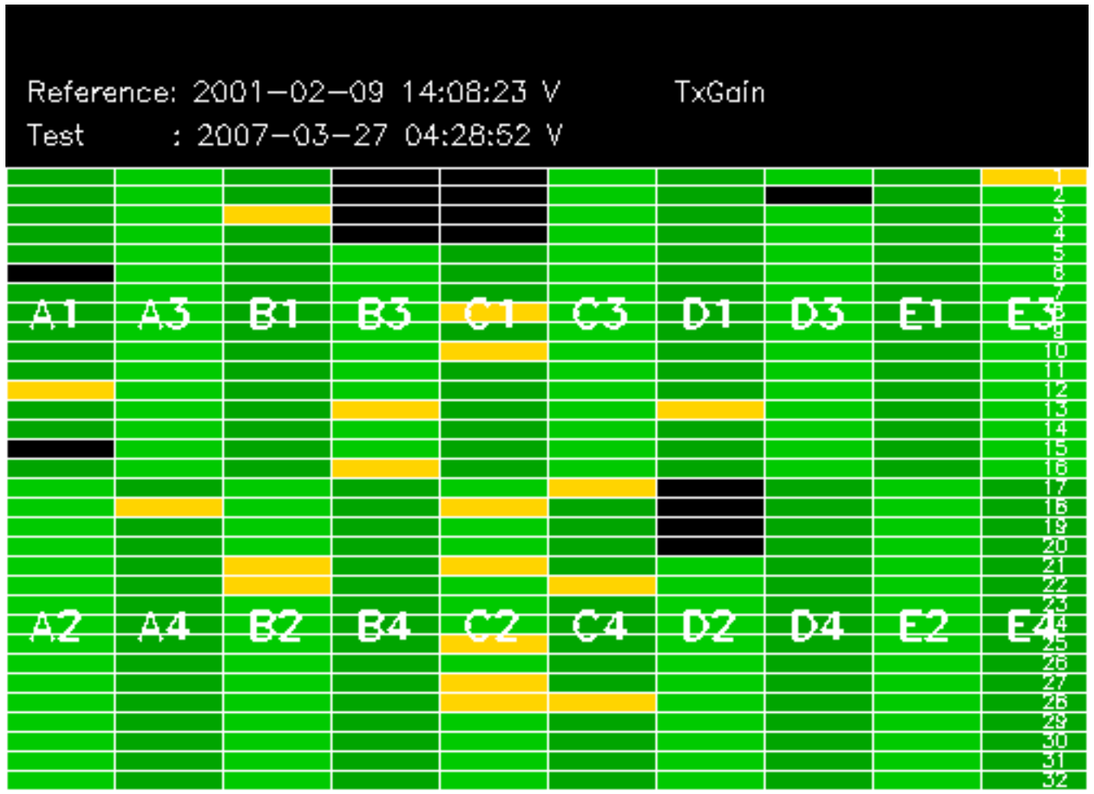
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
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B4
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C4
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Reference: 2005-09-23 05:55:14 V
Test : 2007-03-27 04:28:52 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
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B4
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C4
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Summary of analysis for the last 3 days 2007032[567]
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_GM1_1PNPDK20070326_142221_000001572056_00397_26503_4278.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070325_143215_000000852056_00383_26489_6157.N1 </td> <td>0 </td> <td>16 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070325_233836_000001842056_00388_26494_6666.N1 </td> <td>0 </td> <td>62 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070326_185948_000000672056_00400_26506_7466.N1 </td> <td>0 </td> <td>54 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070327_004727_000000852056_00403_26509_7928.N1 </td> <td>0 </td> <td>26 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070327_140944_000000862056_00411_26517_8651.N1 </td> <td>0 </td> <td>22 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070327_150733_000000862056_00412_26518_8655.N1 </td> <td>0 </td> <td>33 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070327_183104_000000852056_00414_26520_8729.N1 </td> <td>0 </td> <td>16 </td></tr>
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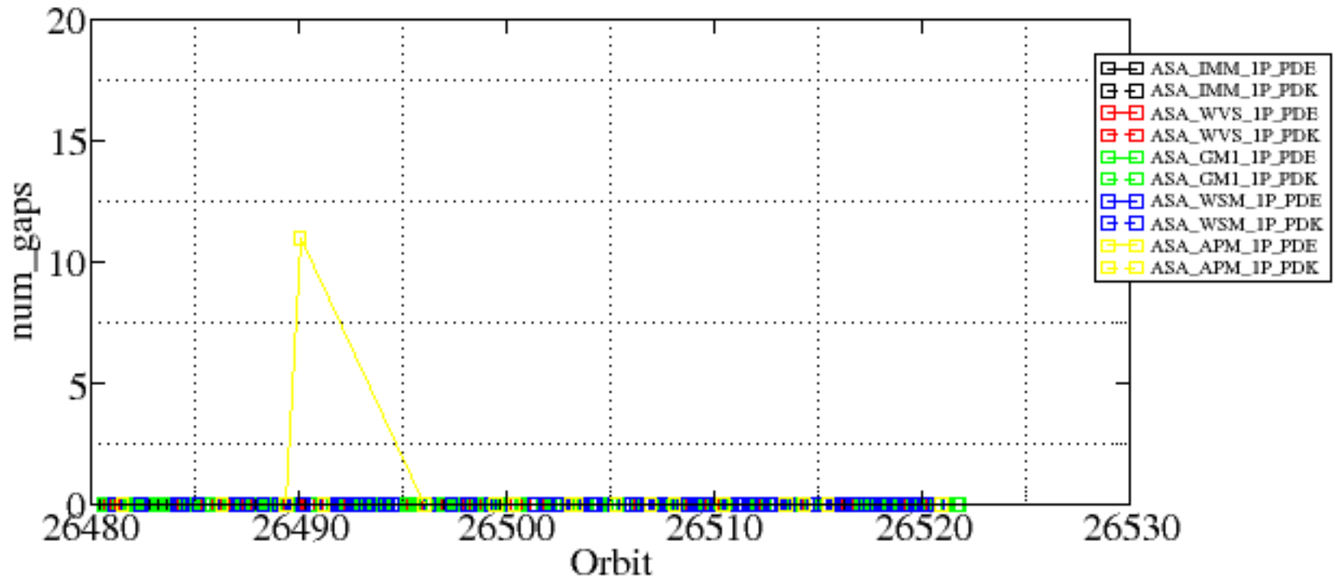
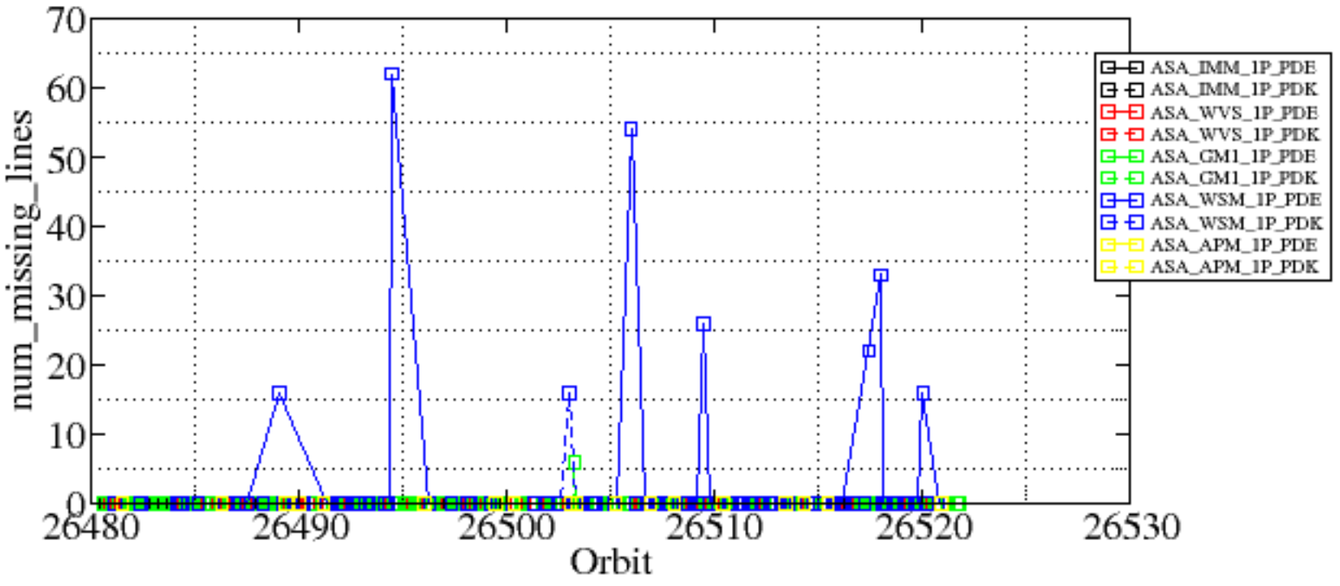
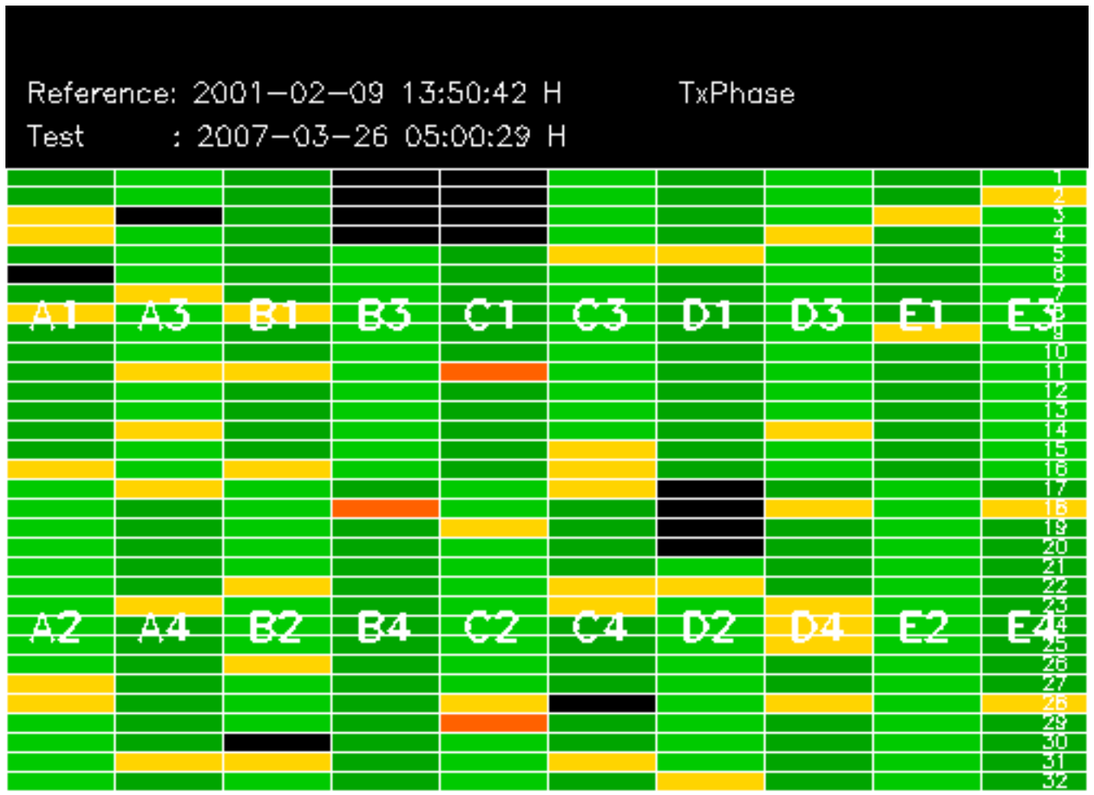
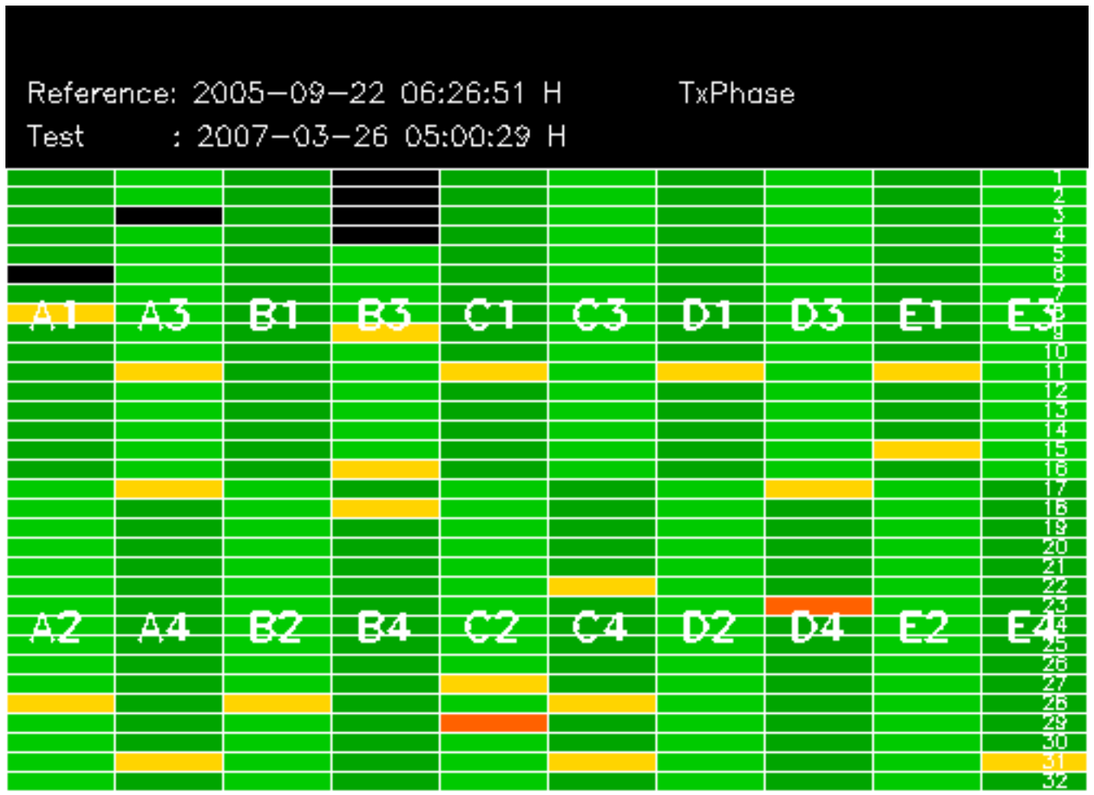

num_gaps
Orbit
20
15
10
5
0
26480
26490
26500
26510
26520
26530
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
70
60
50
40
30
20
10
0
26480
26490
26500
26510
26520
26530
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 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


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
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21
22
23
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26
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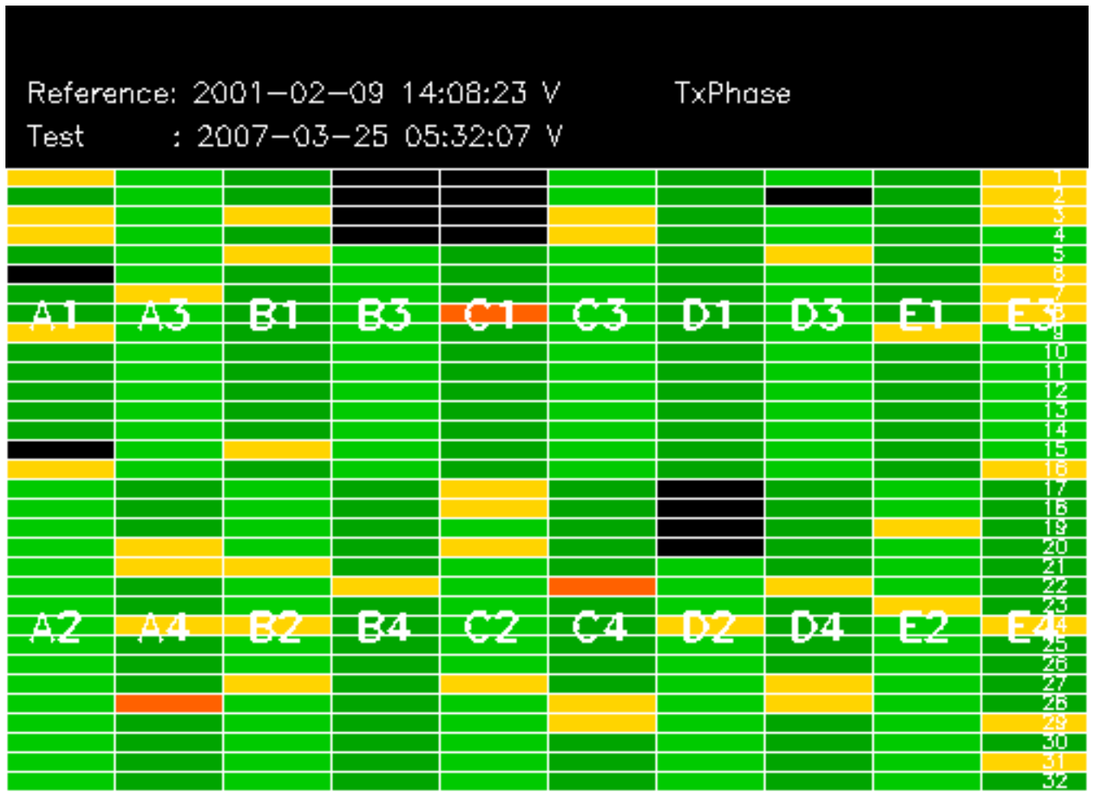
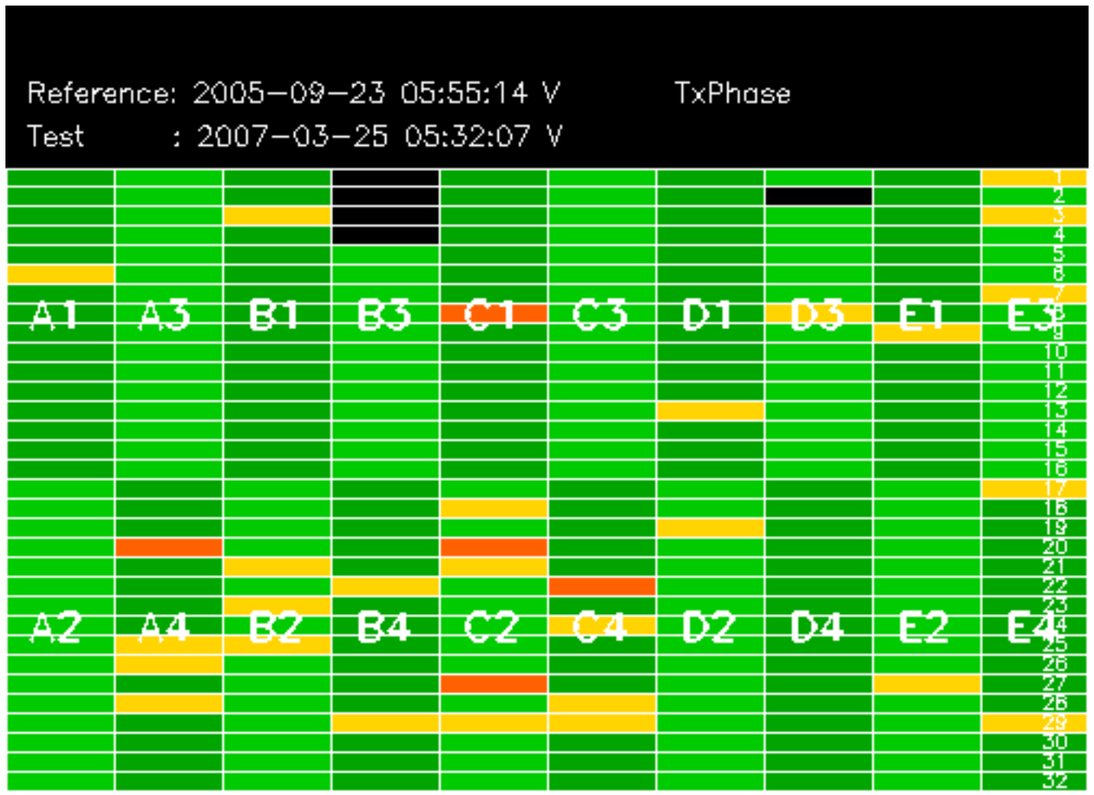
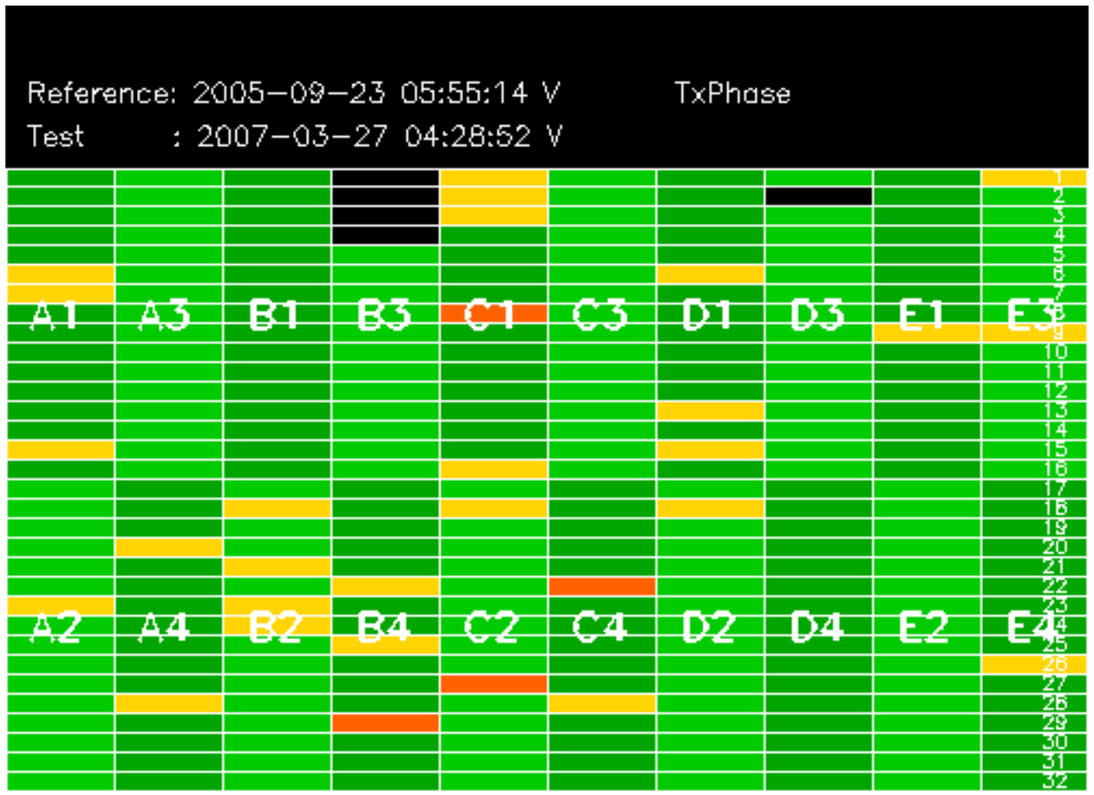
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-25 05:32:07 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-25 05:32:07 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-03-27 04:28:52 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: 2005-09-23 05:55:14 V
TxPhase
Test : 2007-03-27 04:28:52 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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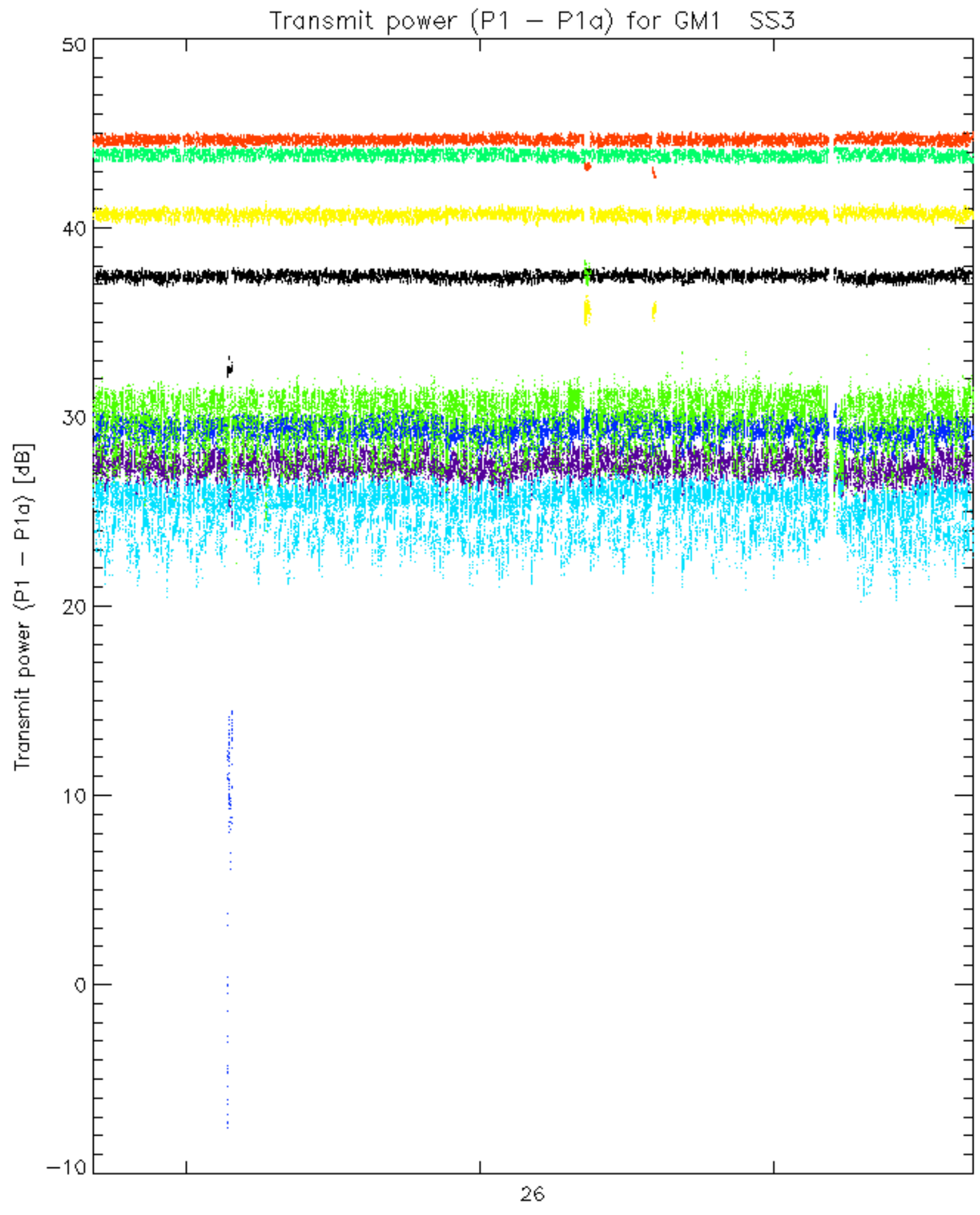
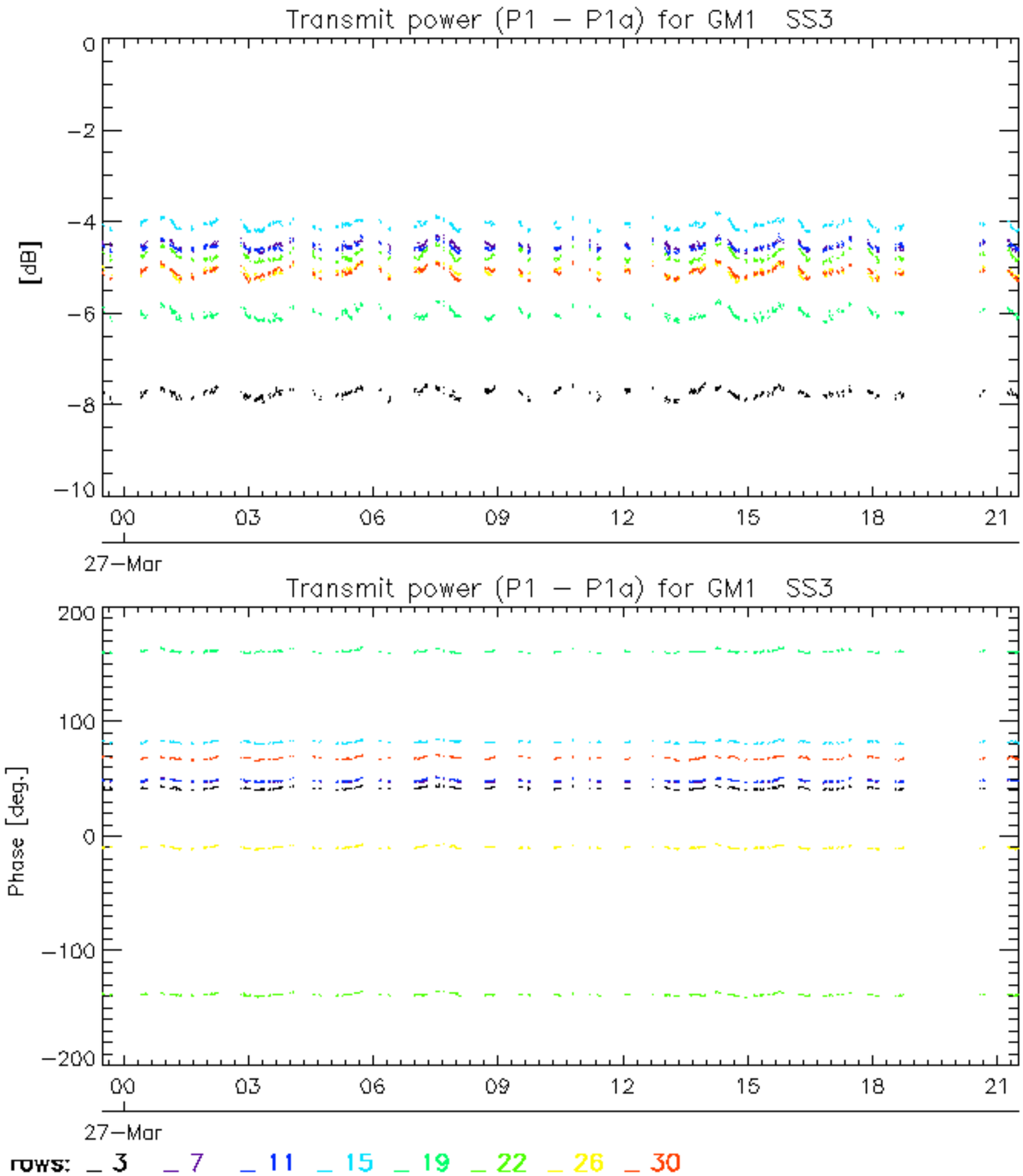
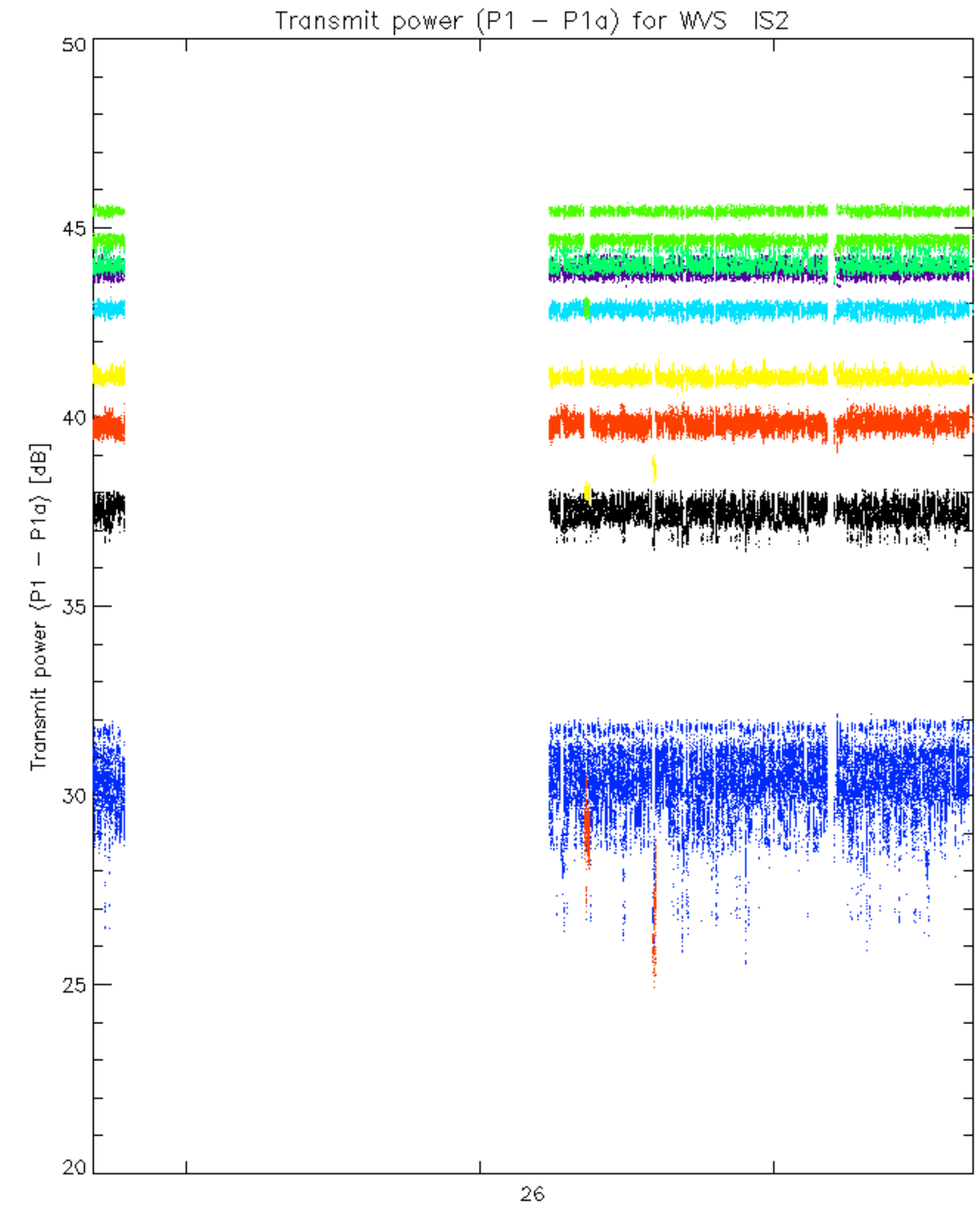
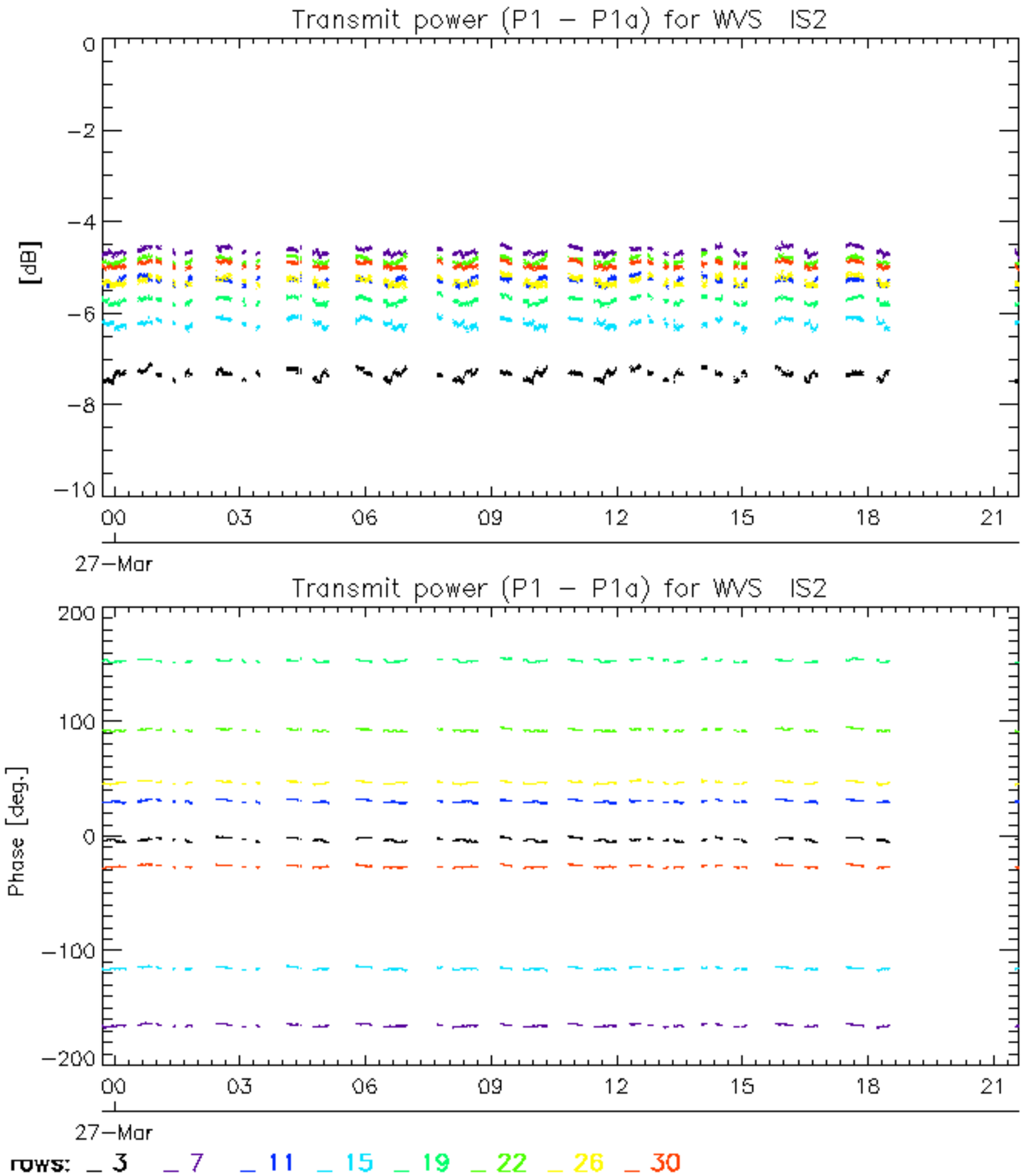

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
26
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
00
03
06
09
12
15
18
21
27–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
00
03
06
09
12
15
18
21
27–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
21
27–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
00
03
06
09
12
15
18
21
27–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.