PRELIMINARY REPORT OF 070301

last update on Thu Mar 1 16:27:23 GMT 2007

Due to an ASAR test acquisition campaign, the daily analysis on WVS products
will be based on IS4 instead of IS2 during the following periods:

From orbit 25621 (23-Jan-2007) to 25720 (30-Jan-2007) in HH polarization
From orbit 26122 (27-Feb-2007) to 26221 (06-Mar-2007) in HH polarization
From orbit 25721 (30-Jan-2007) to 25820 (06-Feb-2007) in VV polarization
From orbit 26222 (06-Mar-2007) to 26321 (13-Mar-2007) in VV polarization

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 2007-02-28 00:00:00 to 2007-03-01 16:27:23

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	41	70	9	1	26
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	41	70	9	1	26
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	41	70	9	1	26
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	70	9	1	26

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	45	53	37	8	61
ASA_INS_AXVIEC20070227_105626_20070228_060000_20071231_000000	28	33	29	7	50
ASA_INS_AXVIEC20070223_140724_20070226_000000_20071231_000000	17	20	8	1	11
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	45	53	37	8	61
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	45	53	37	8	61

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	20070228 170158
H	20070301 062645

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	-11.210558	0.448363	0.944116
7	P1a	-10.127669	0.088420	-0.072883
11	P1a	-10.704550	0.109137	-0.227177
15	P1a	-11.682029	1.569671	-0.164073
19	P1a	-15.076582	1.073436	0.116805
22	P1a	-19.604206	7.790067	0.466114
26	P1a	-15.649143	0.470077	0.202648
30	P1a	-20.033728	7.171382	-0.451990

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.775634	3.310510	-5.020367
7	P1	-2.599679	0.013787	-0.027579
11	P1	-3.224943	0.142695	-0.119536
15	P1	-4.592157	1.330032	-0.224562
19	P1	-3.419652	0.090921	0.019743
22	P1	-5.348174	0.141421	-0.029286
26	P1	-5.401605	0.693960	0.077548
30	P1	-5.441946	0.067232	-0.033923

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.872921	0.846184	-2.256270
7	P2	-21.928772	0.153697	0.119107
11	P2	-10.810380	0.137446	0.010939
15	P2	-5.108491	0.091055	0.013582

19	P2	-7.243051	0.080434	0.025575
22	P2	-8.373784	0.076016	0.020411
26	P2	-24.165873	0.131136	0.019111
30	P2	-21.689335	0.070232	0.054915

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.221310	0.007904	-0.010984
7	P3	-8.221310	0.007904	-0.010984
11	P3	-8.221310	0.007904	-0.010984
15	P3	-8.221310	0.007904	-0.010984
19	P3	-8.221310	0.007904	-0.010984
22	P3	-8.221310	0.007904	-0.010984
26	P3	-8.221310	0.007904	-0.010984
30	P3	-8.221310	0.007904	-0.010984

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	-11.213552	0.111218	0.695760
7	P1a	-10.044416	0.067481	-0.096307
11	P1a	-10.609962	0.056830	-0.208082
15	P1a	-10.877290	0.134265	-0.135714
19	P1a	-15.737003	0.065349	0.056945
22	P1a	-20.839405	1.220559	0.166037
26	P1a	-15.389659	0.265677	0.286057
30	P1a	-18.363157	0.355144	-0.164153

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)

3	P1	-7.510221	2.701777	-4.392365
7	P1	-2.435552	0.005776	-0.001660
11	P1	-2.896306	0.015865	-0.093889
15	P1	-3.815081	0.033118	-0.099897
19	P1	-3.553015	0.012097	-0.002567
22	P1	-5.029855	0.022986	-0.037048
26	P1	-5.986153	0.023812	0.058388
30	P1	-5.283686	0.022264	0.031593

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.698240	0.583931	-1.956331
7	P2	-21.986429	0.053273	0.128491
11	P2	-10.667251	0.030191	0.073478
15	P2	-4.824159	0.027019	0.052961
19	P2	-6.820384	0.027452	0.056941
22	P2	-8.122163	0.033494	0.091779
26	P2	-24.258293	0.033264	-0.011735
30	P2	-21.763979	0.036546	0.098536

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.046041	0.003378	0.012205
7	P3	-8.046078	0.003393	0.012260
11	P3	-8.046066	0.003385	0.011799
15	P3	-8.046065	0.003401	0.011881
19	P3	-8.046087	0.003379	0.011768
22	P3	-8.046132	0.003384	0.011944
26	P3	-8.046043	0.003385	0.011976
30	P3	-8.046088	0.003395	0.011827

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	0.000617557
	stdev	2.31206e-07
MEAN Q	mean	0.000399230
	stdev	2.50045e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.109153
	stdev	0.00255698
STDEV Q	mean	0.109217
	stdev	0.00260786

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007022[781]
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_1PNPDE20070221_143309_000000372055_00425_26030_6740.N1	1	0
ASA_IMM_1PNPDE20070221_165622_000001272055_00427_26032_6826.N1	4	86
ASA_IMM_1PNPDK20070228_130017_000003962056_00024_26130_1566.N1	0	1
ASA_WVS_1PNPDK20070228_065153_000000002056_00020_26126_1087.N1	1	0
ASA_WSM_1PNPDE20070221_164157_000000982055_00427_26032_6808.N1	5	1764
ASA_WSM_1PNPDE20070221_172658_000000672055_00427_26032_6800.N1	21	6572
ASA_WSM_1PNPDE20070227_002822_000002612056_00002_26108_3509.N1	0	27
ASA_WSM_1PNPDE20070228_113744_000001092056_00023_26129_5446.N1	0	13
ASA_WSM_1PNPDE20070228_141755_000000852056_00025_26131_5502.N1	0	16
ASA_WSM_1PNPDK20070227_095010_000000852056_00008_26114_0131.N1	0	41

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

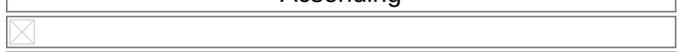
Evolution of Absolute Doppler
Acsending
Descending

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

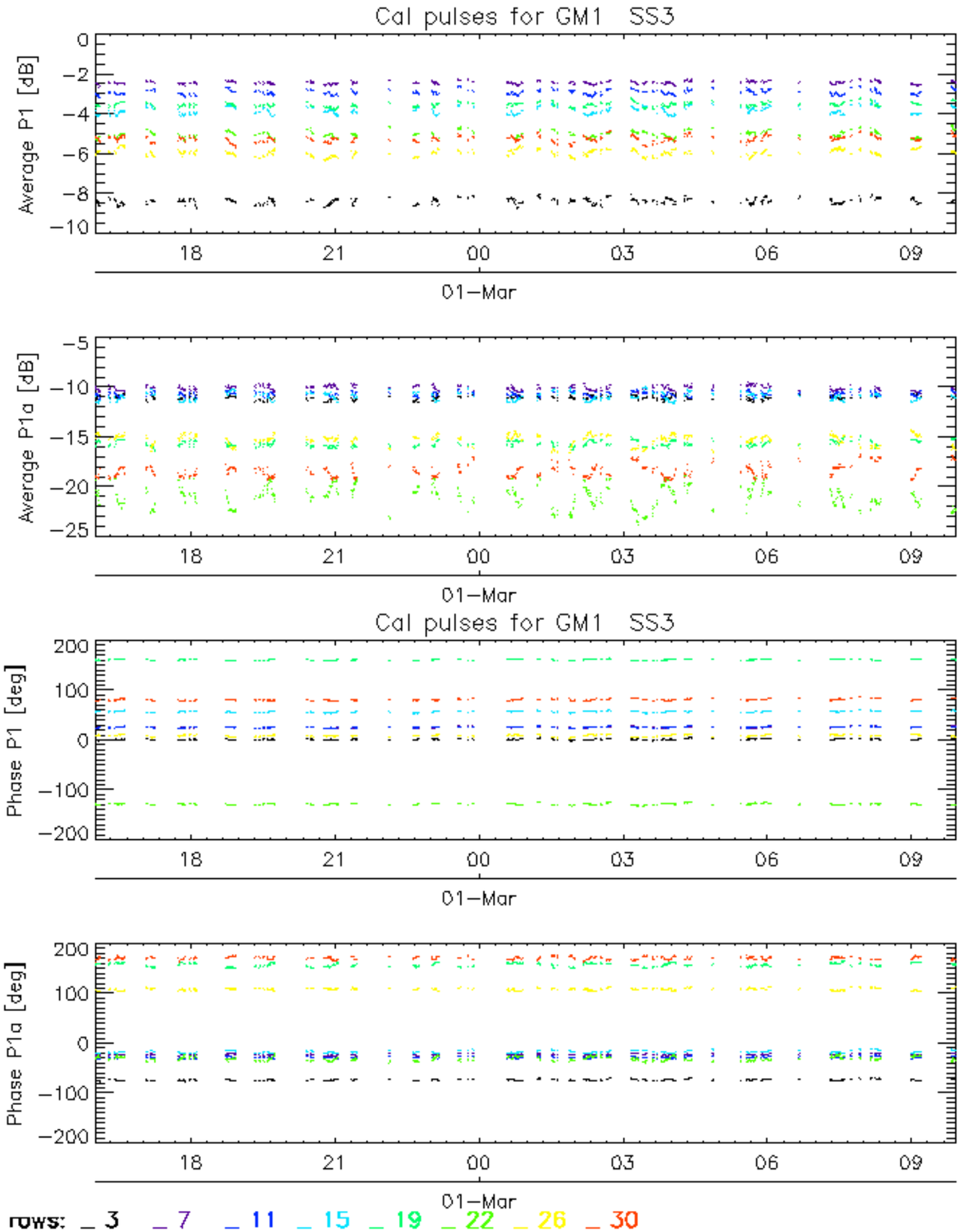
Evolution of Absolute Doppler

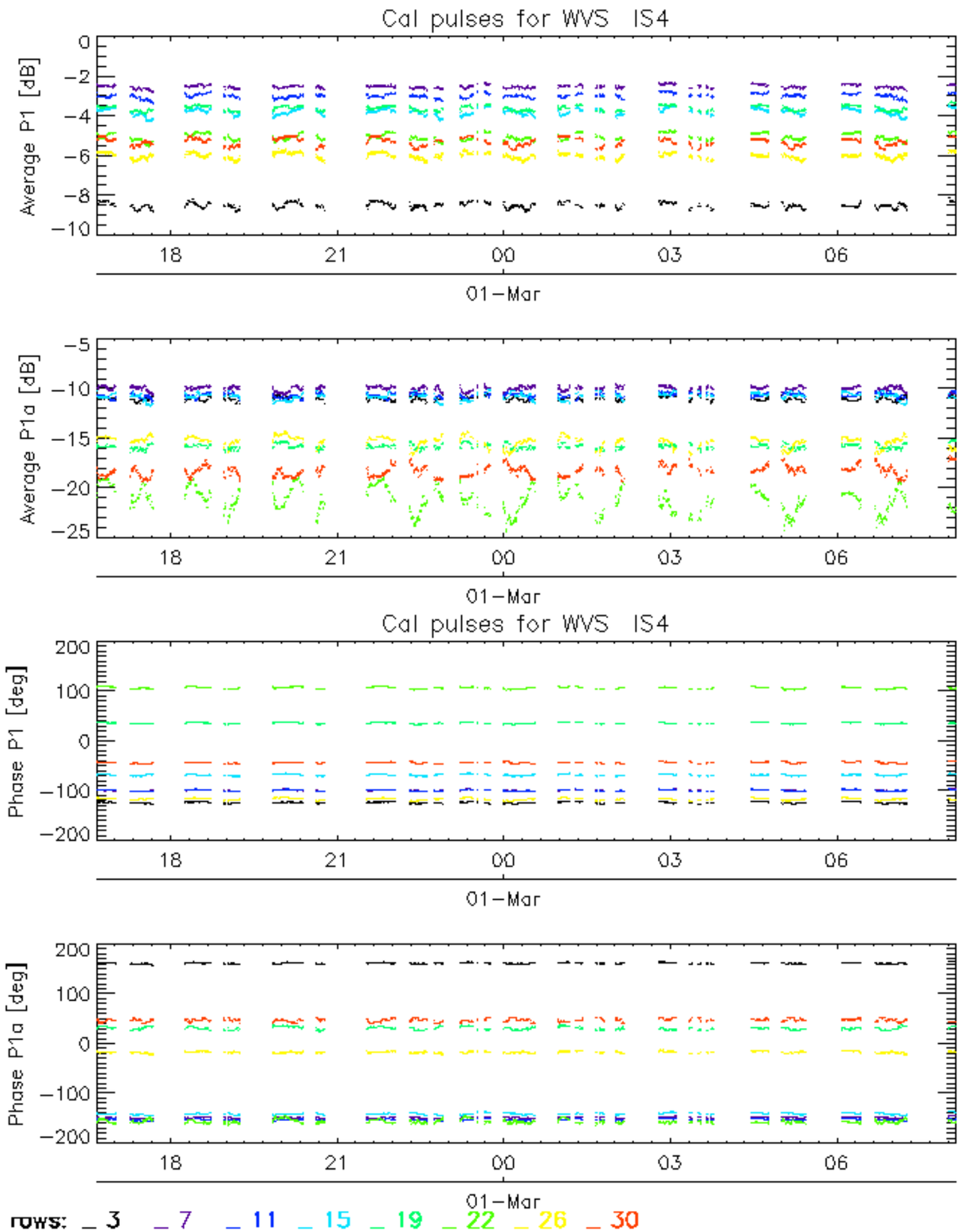
Acsending

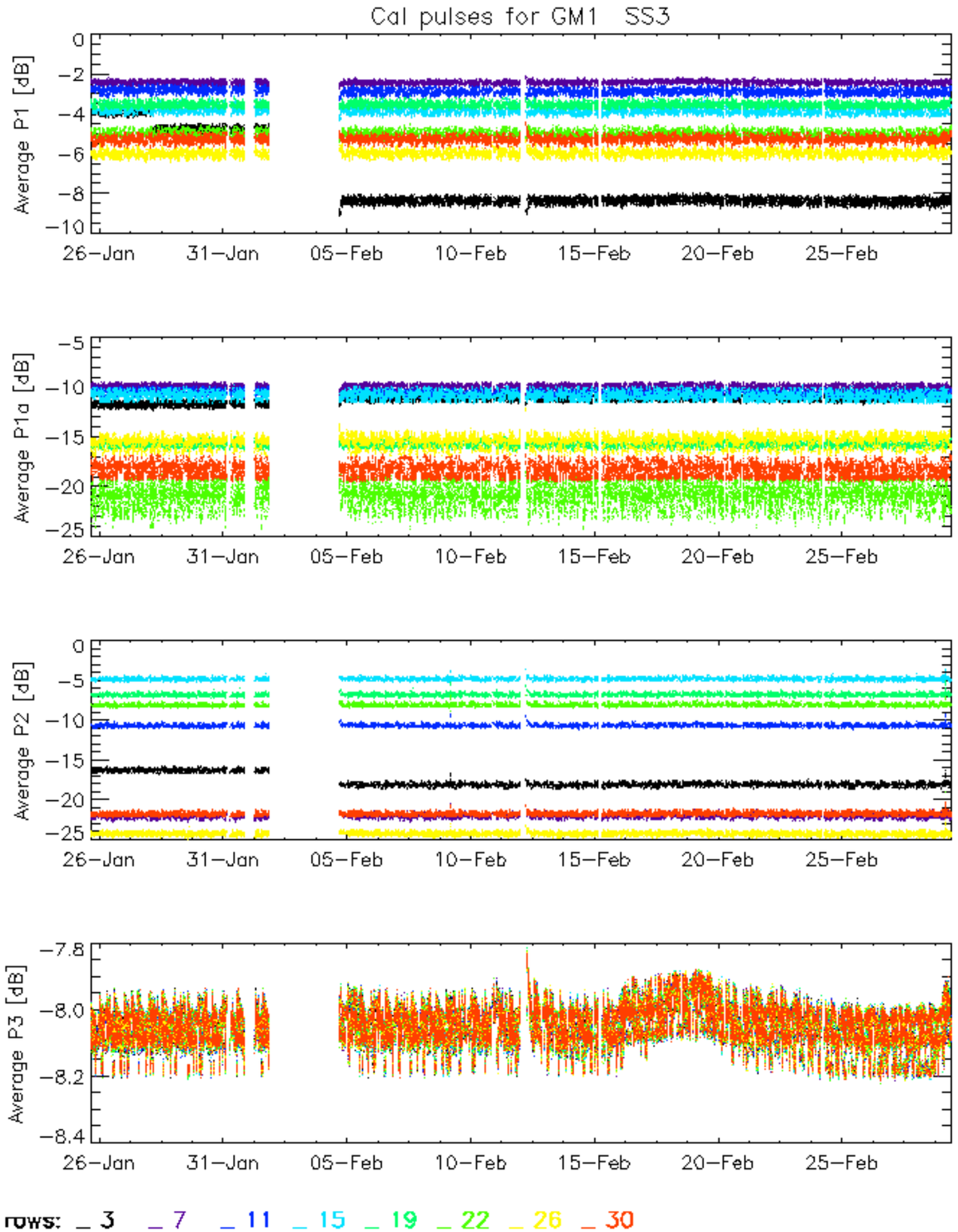
Descending

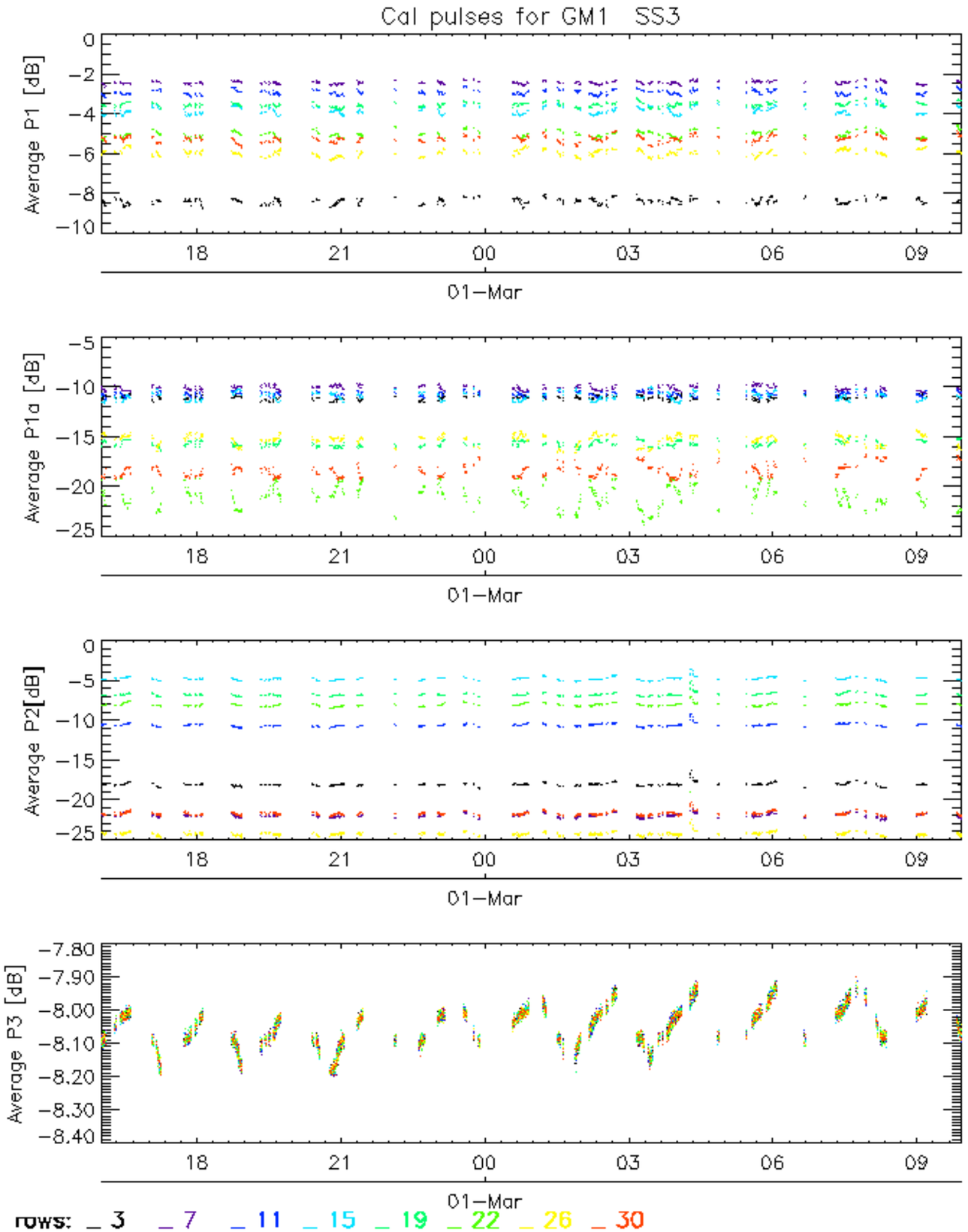
7.6 - Doppler evolution versus ANX for GM1

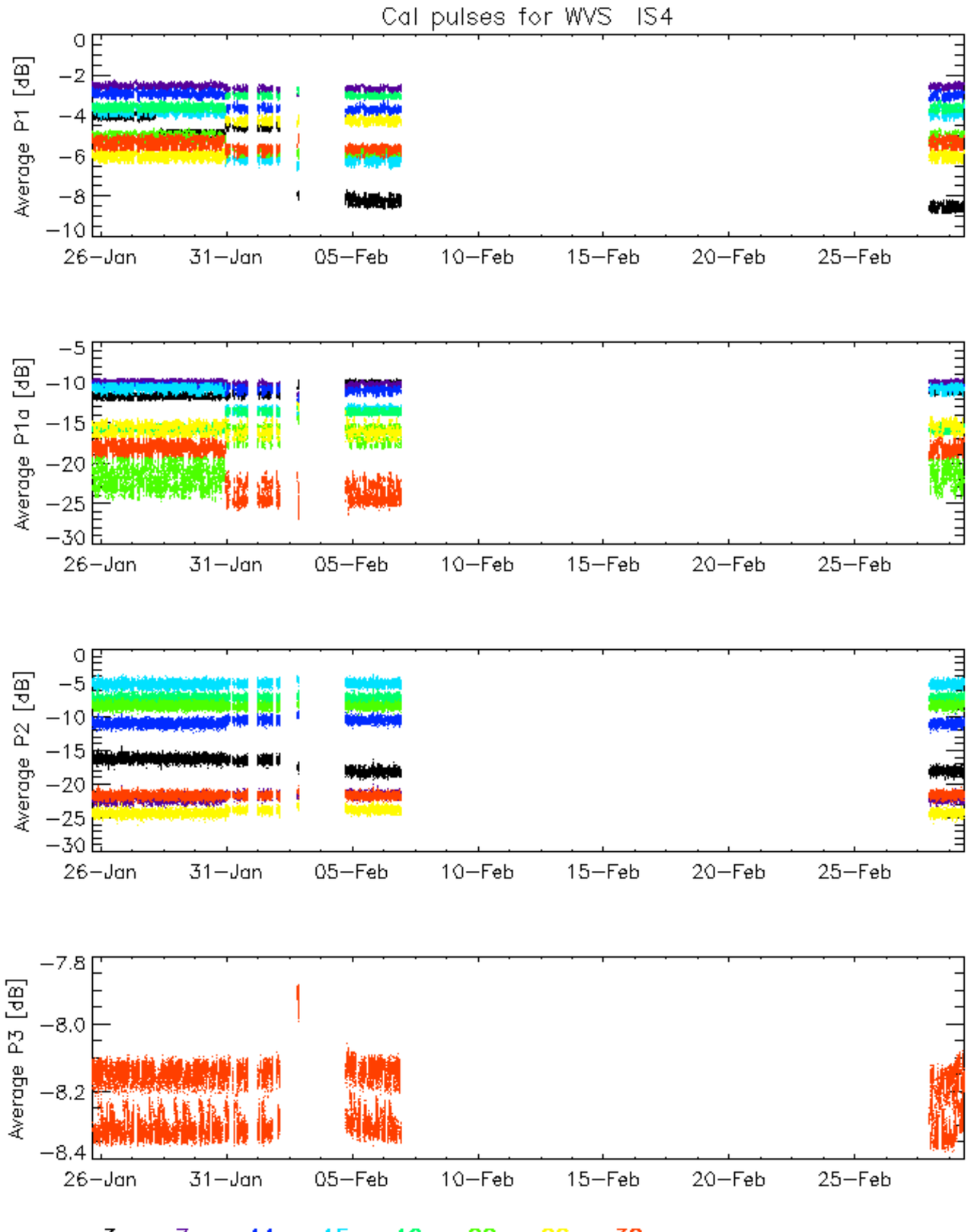
Evolution Doppler error versus ANX

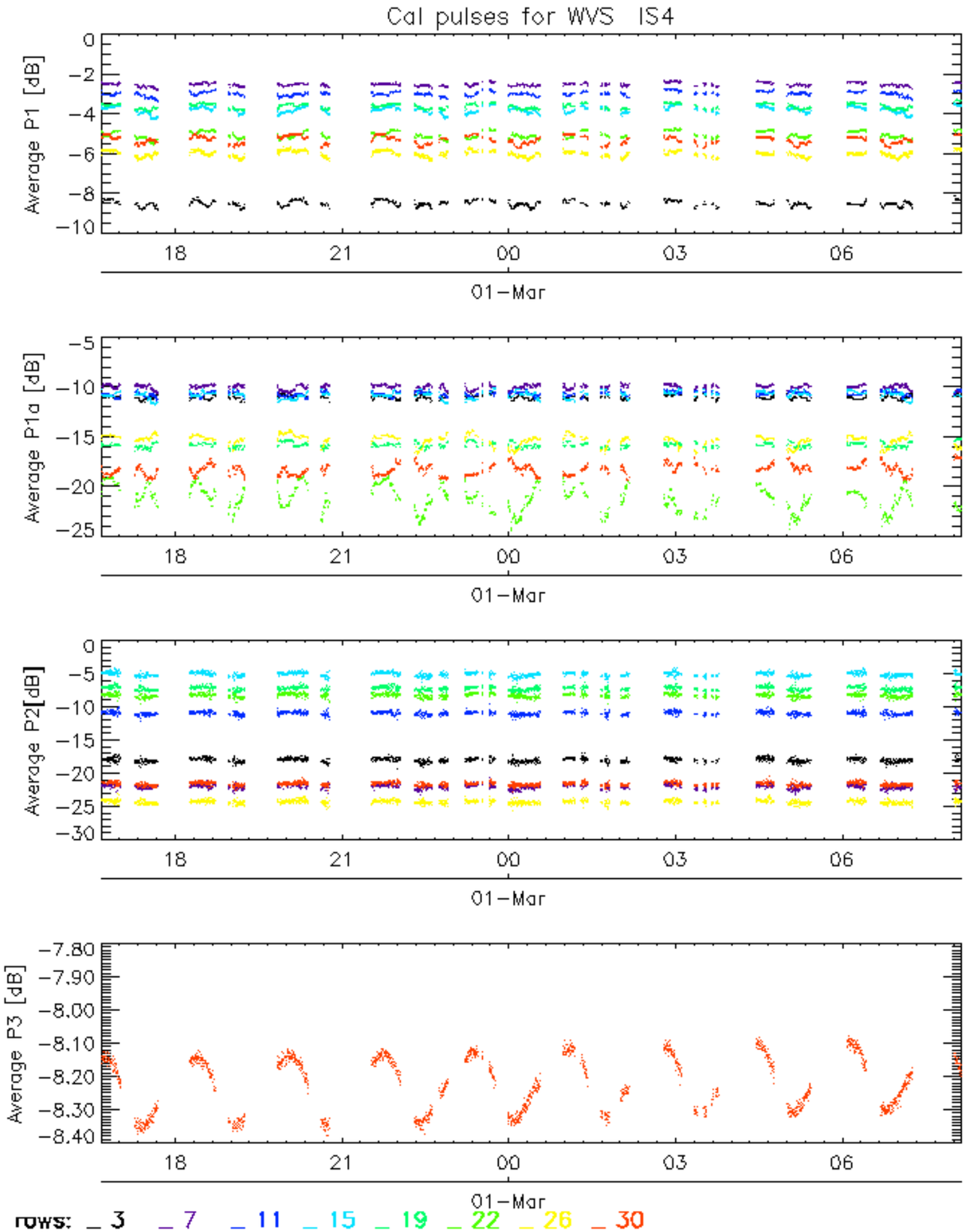


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
01−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
01−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
09
01−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
09
01−Mar
rows: _ 3 _ 7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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
01−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
01−Mar
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
01−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
01−Mar
rows: 3 7 11 15 19 22 26 30

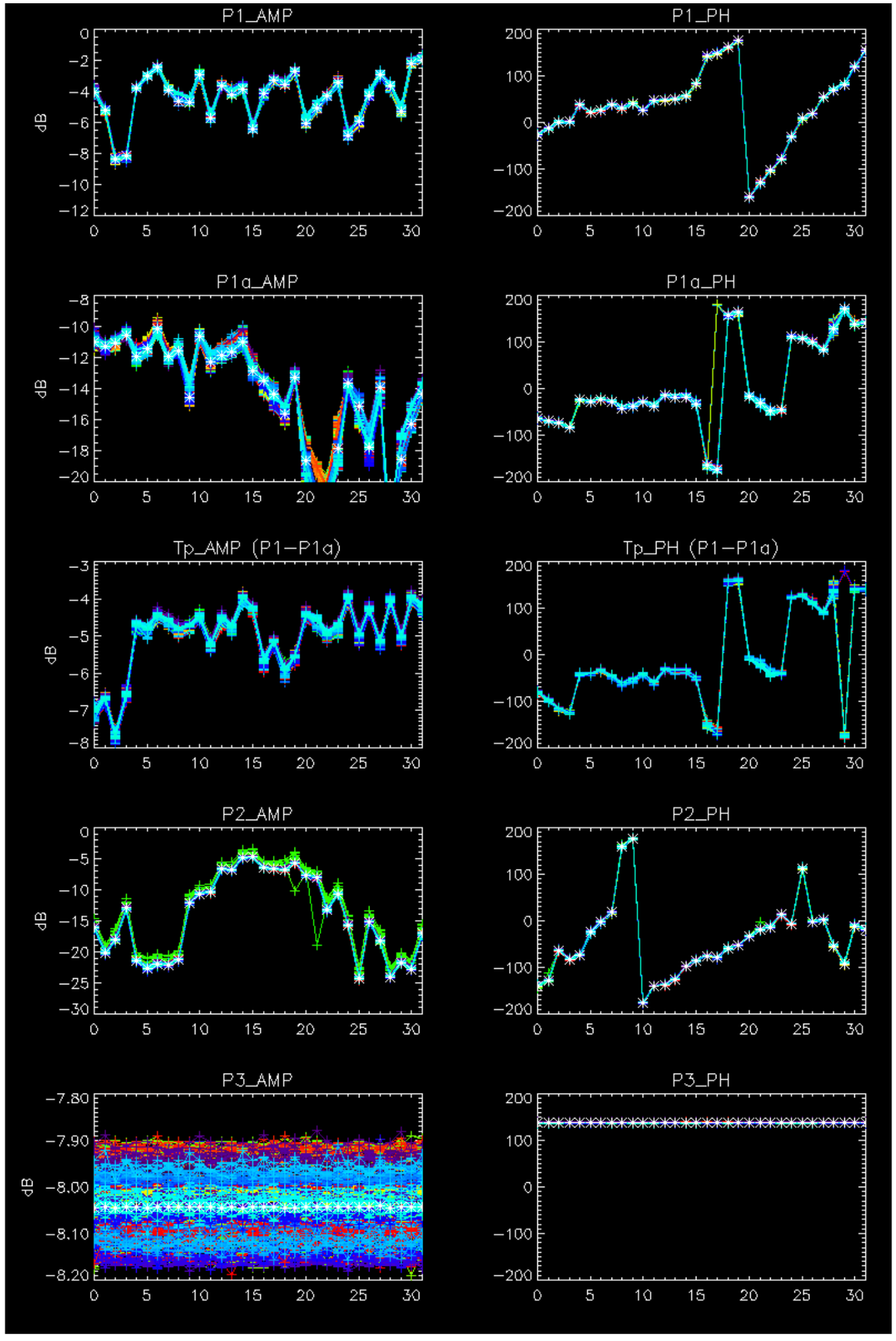

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

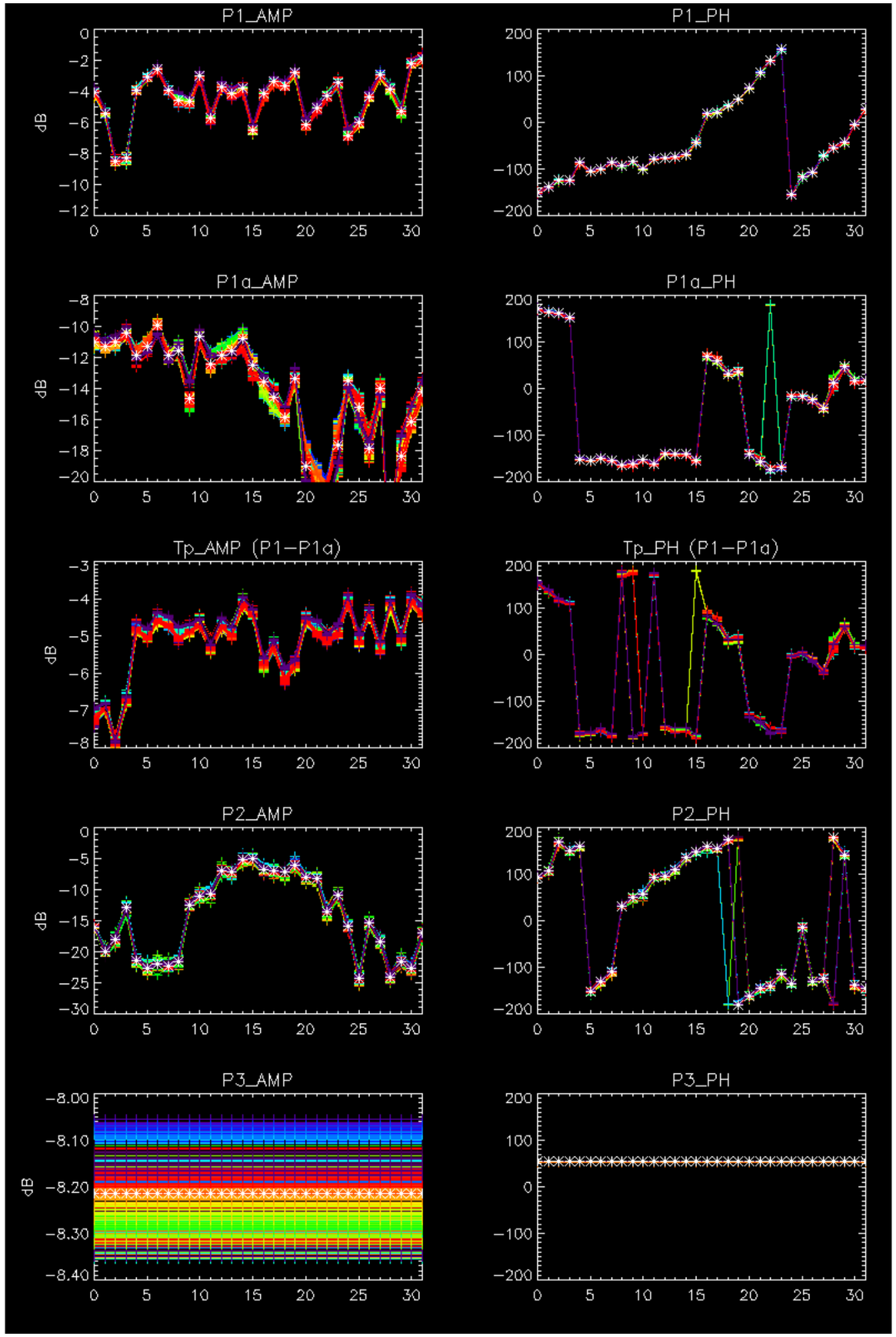

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
09
01−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
09
01−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
09
01−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
09
01−Mar
rows: _ 3 _ 7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


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
01−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
01−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
−30
18
21
00
03
06
01−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
01−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

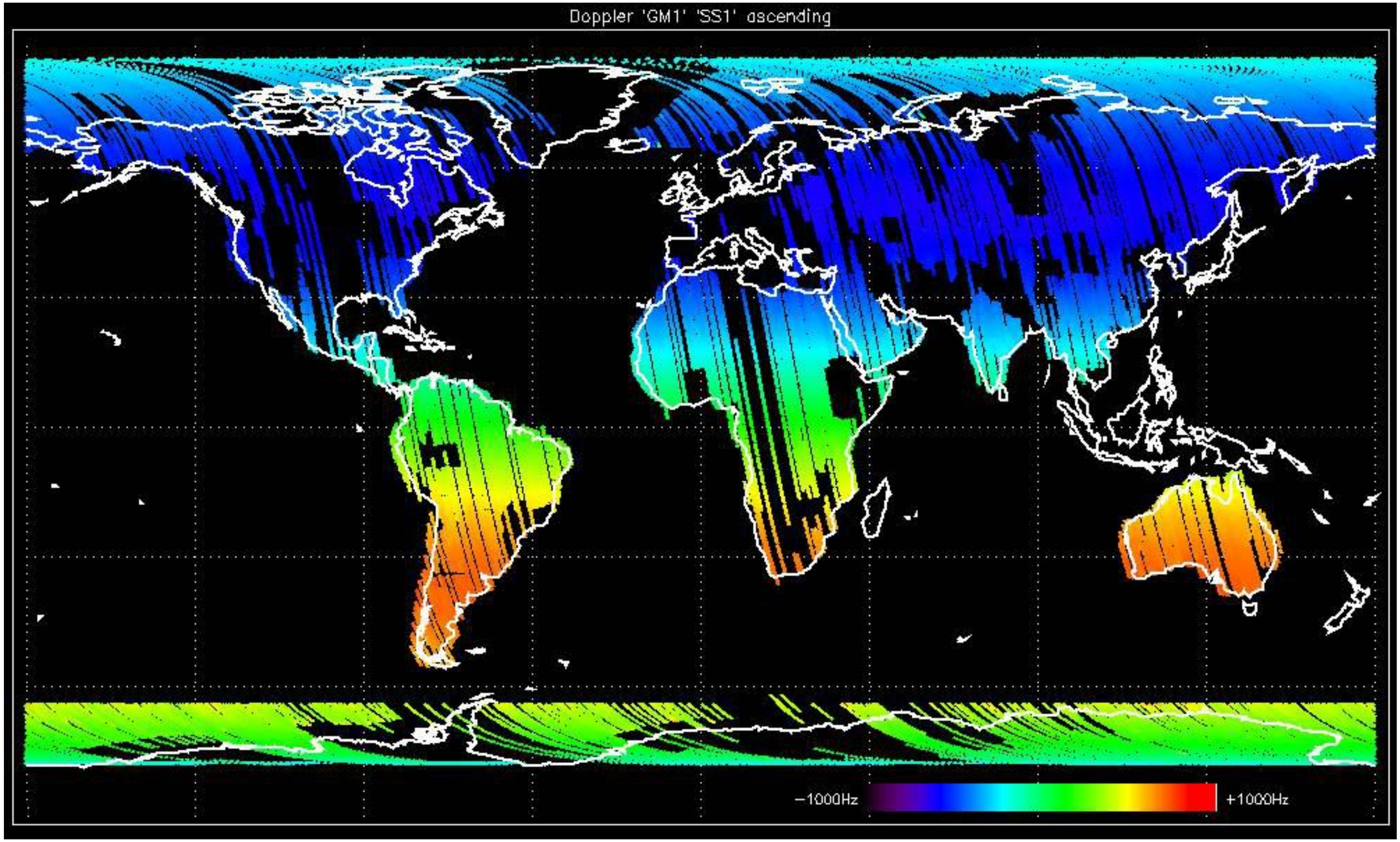
No anomalies observed.

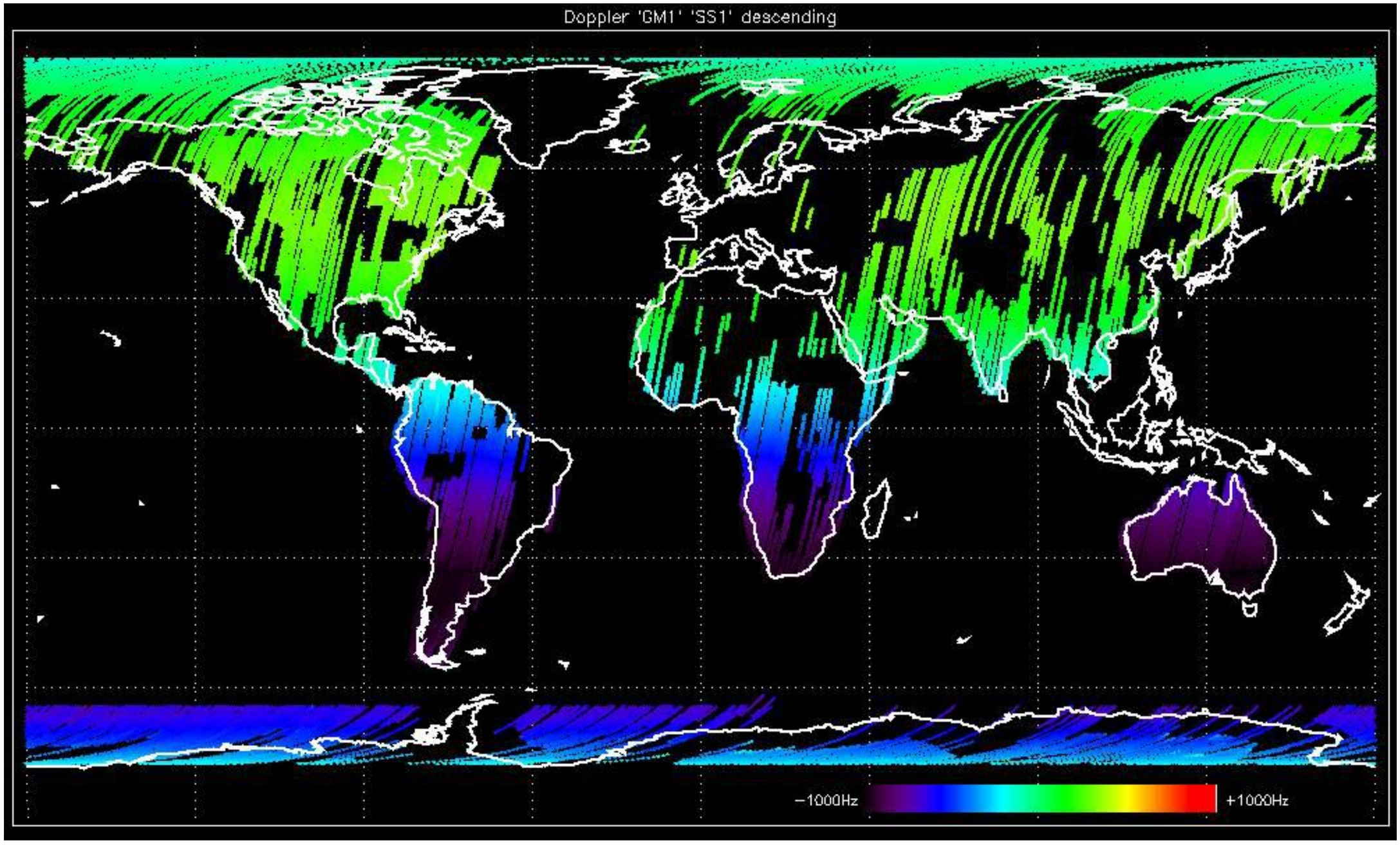

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

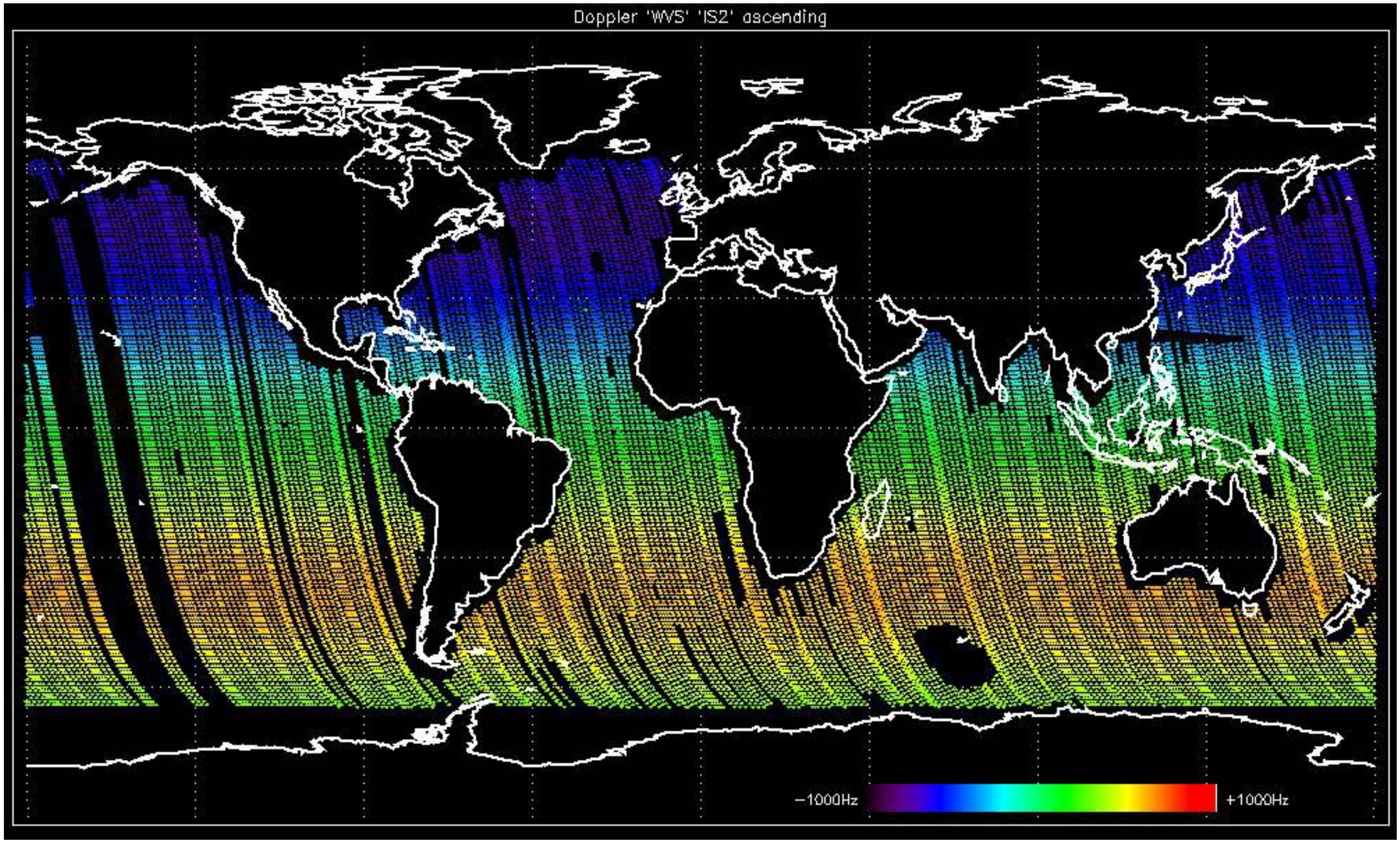

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

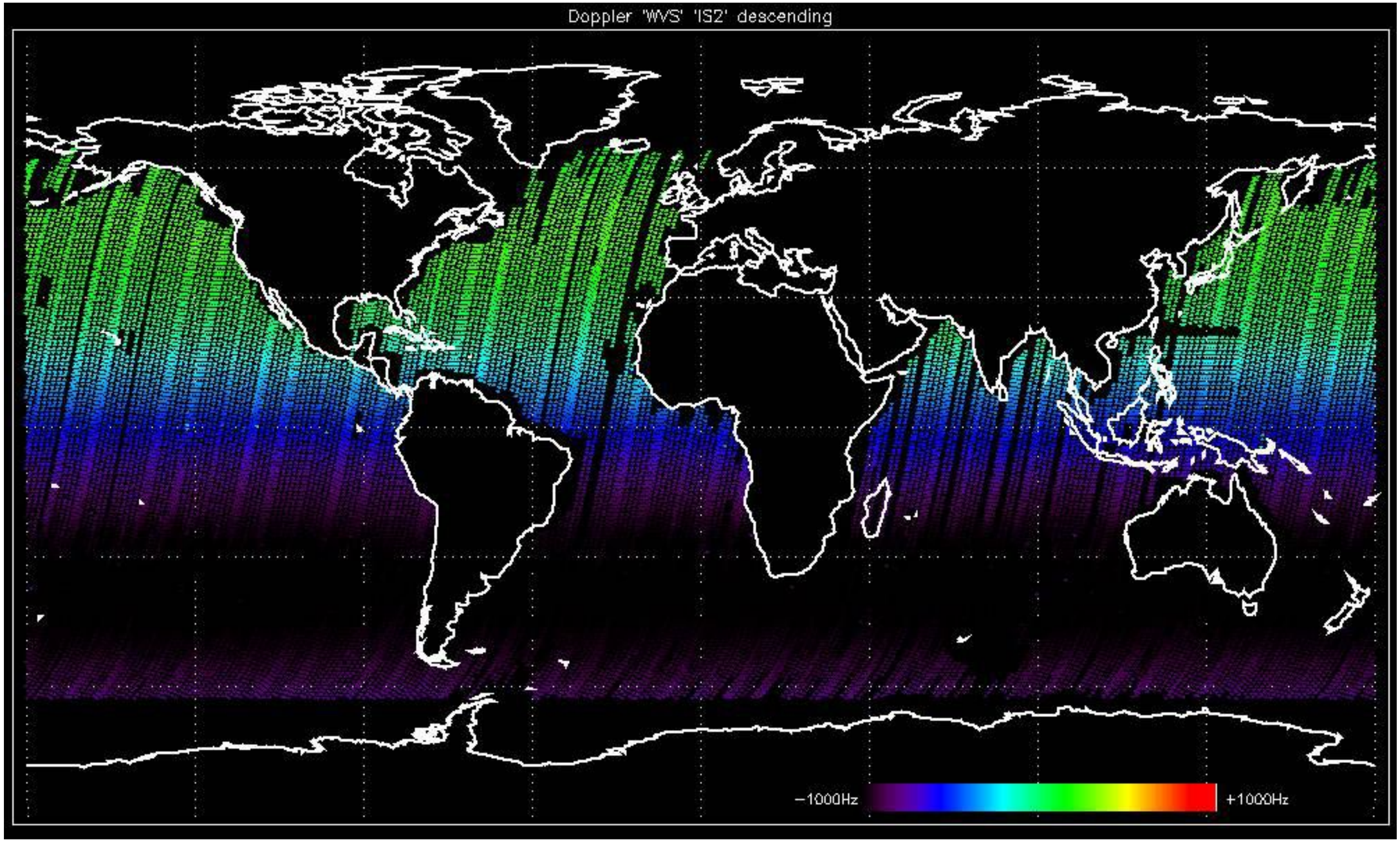
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

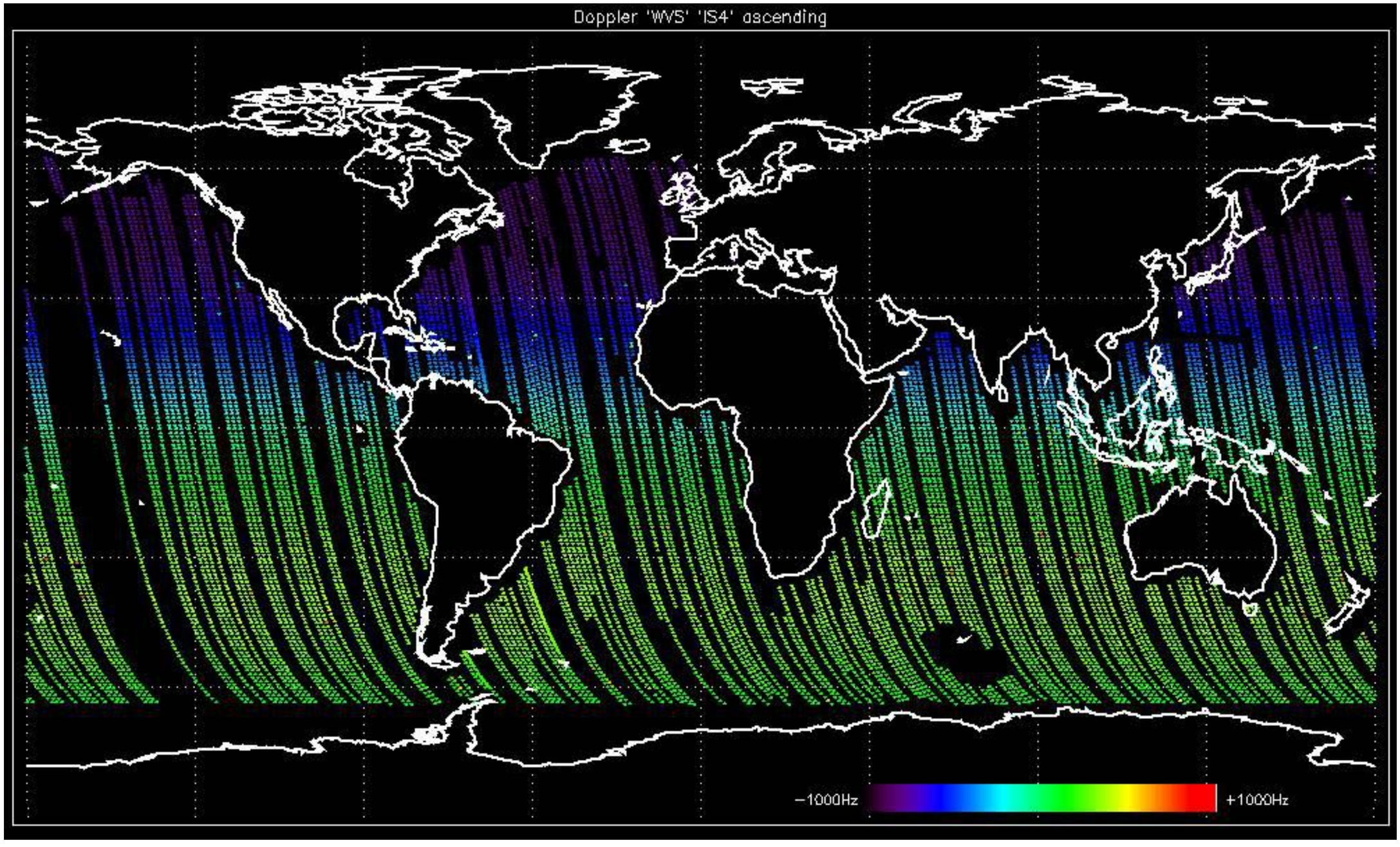
Preliminary report.The data is not yet controled

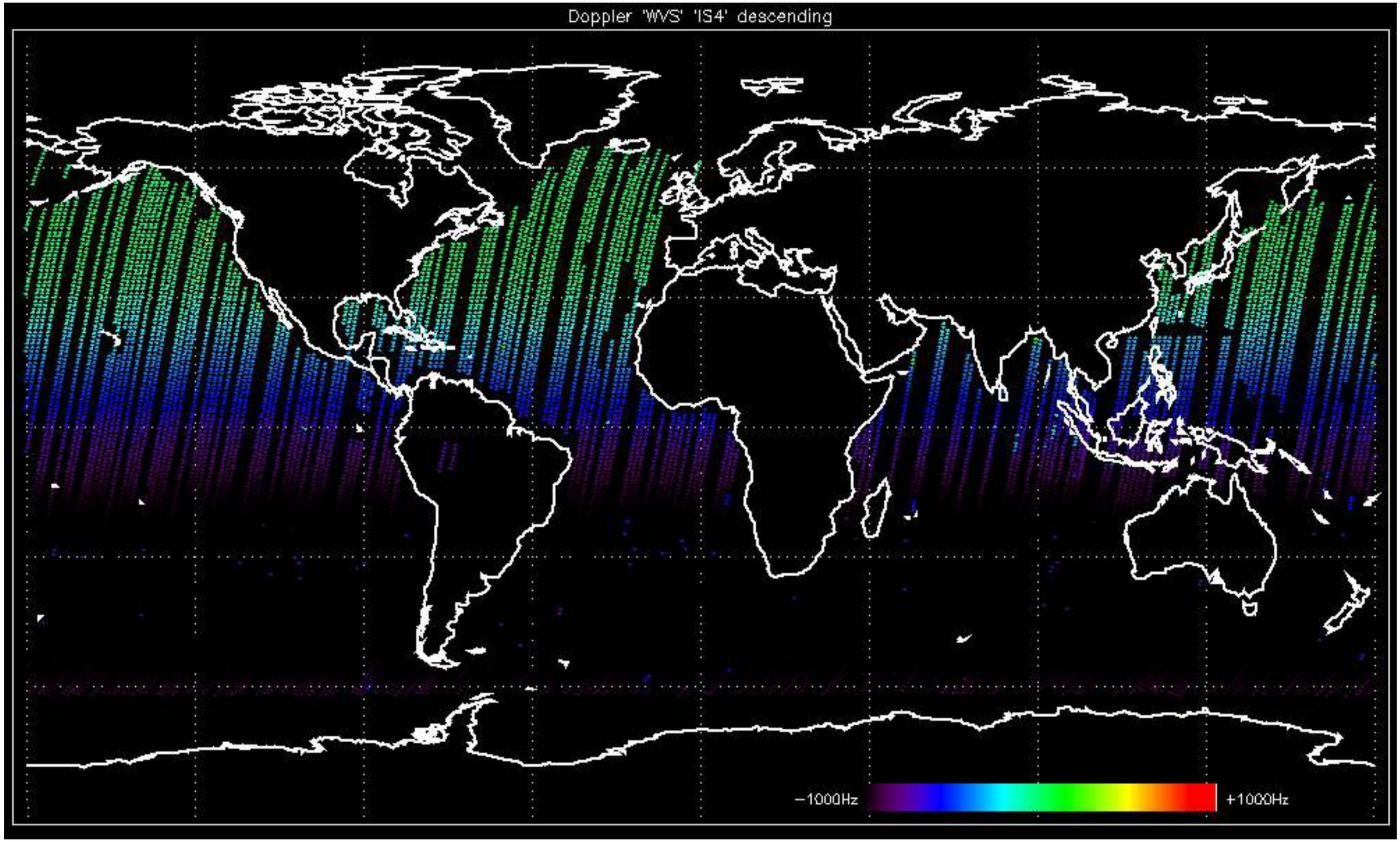

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

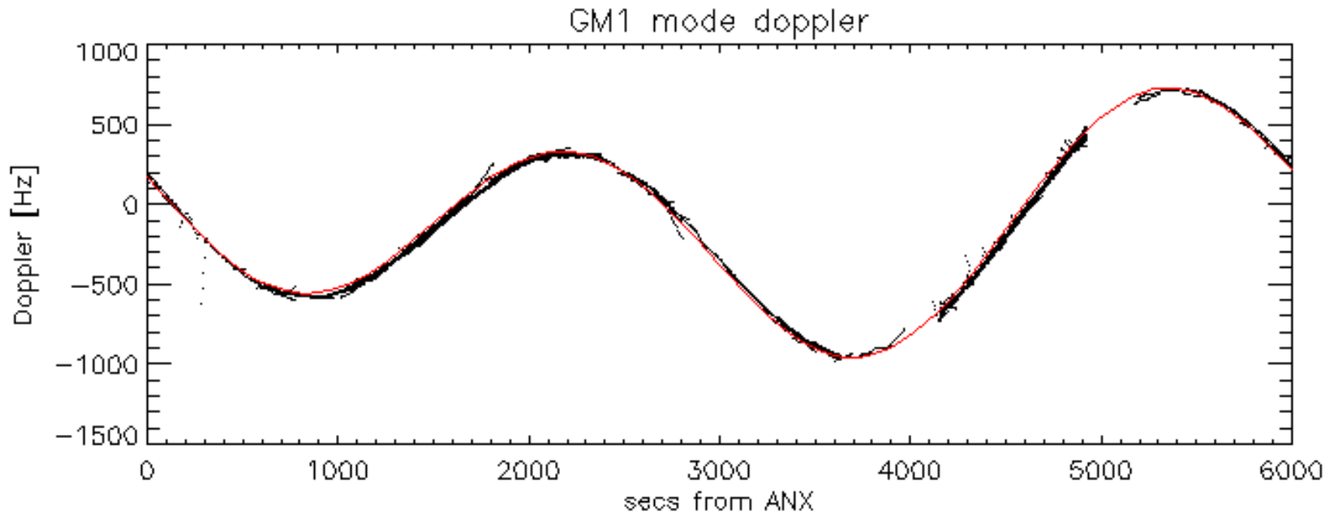

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

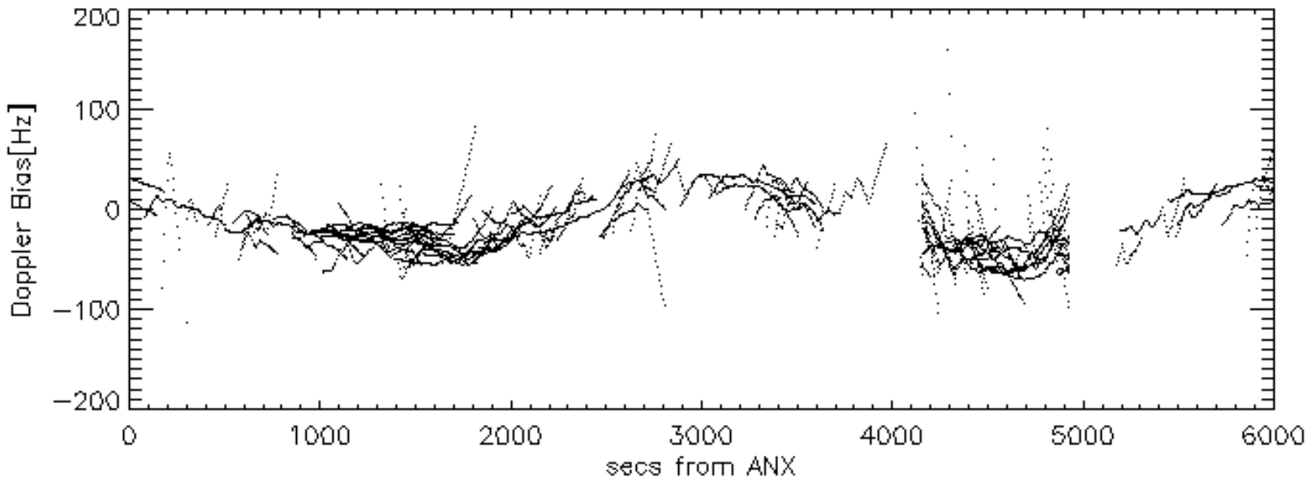

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

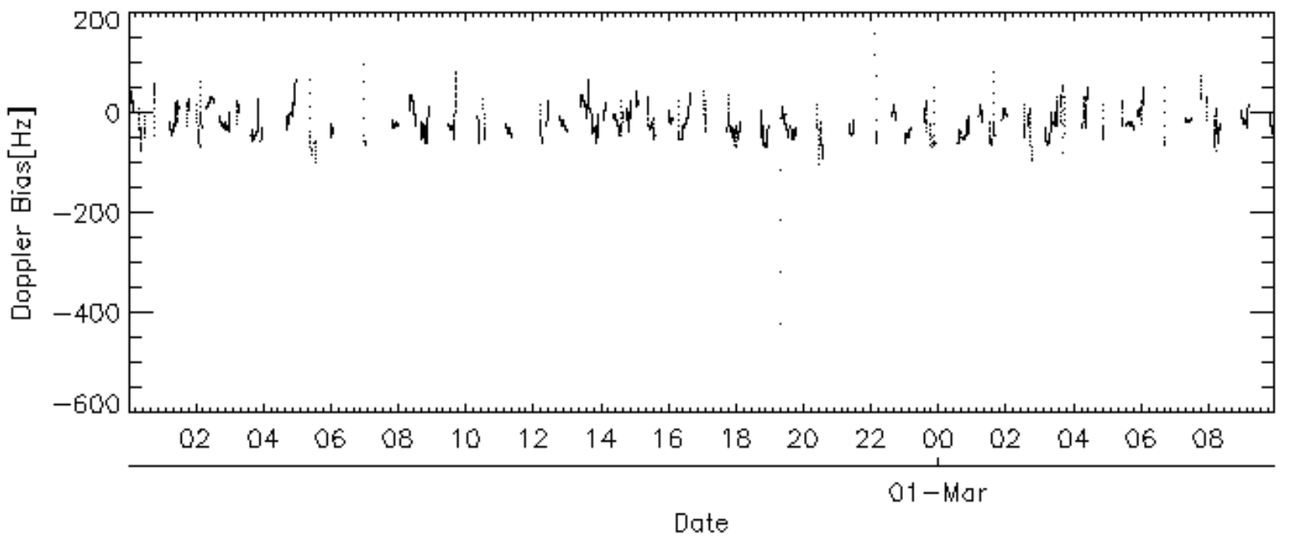

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

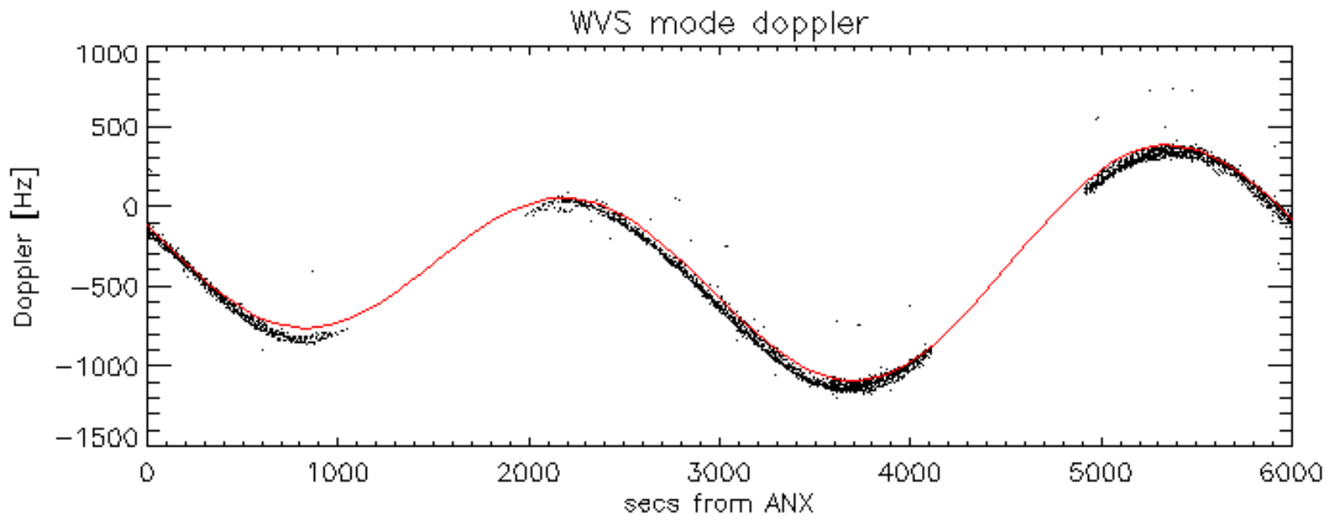

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

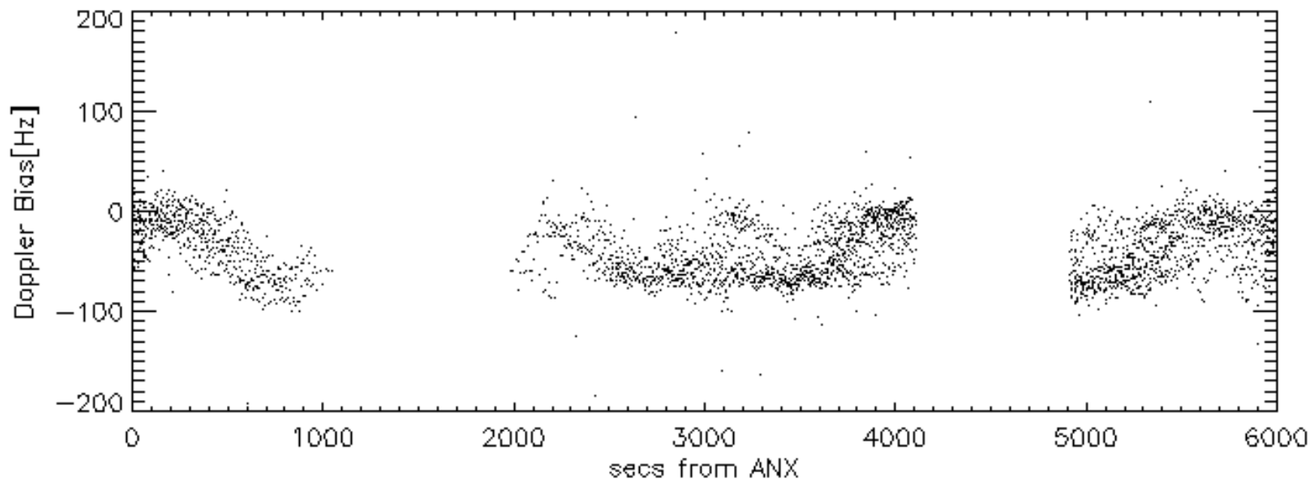

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

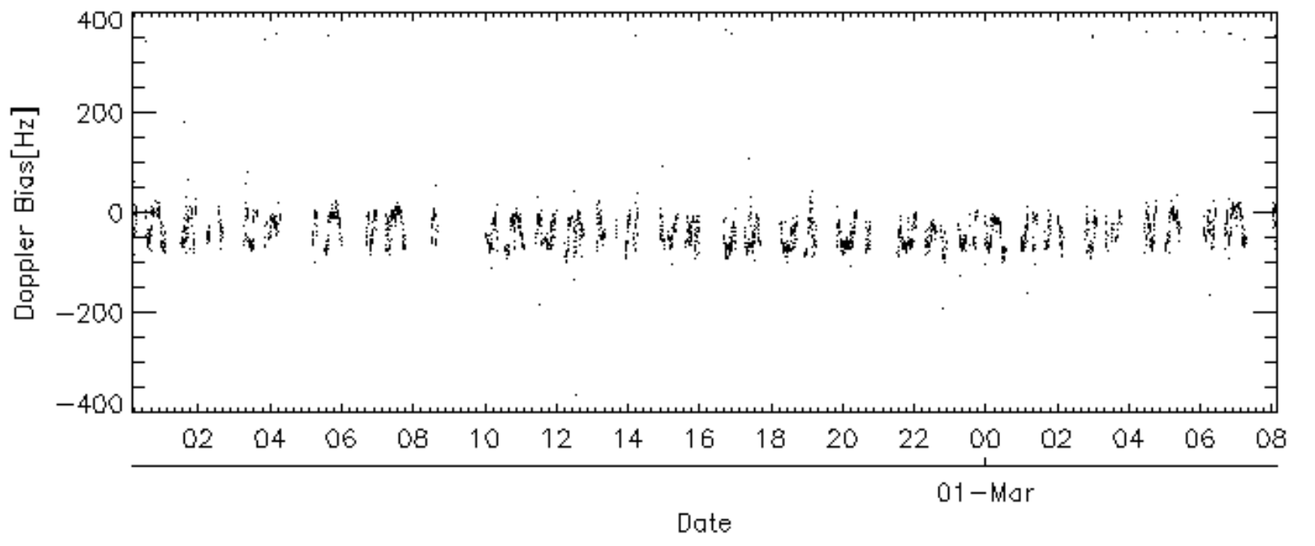

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

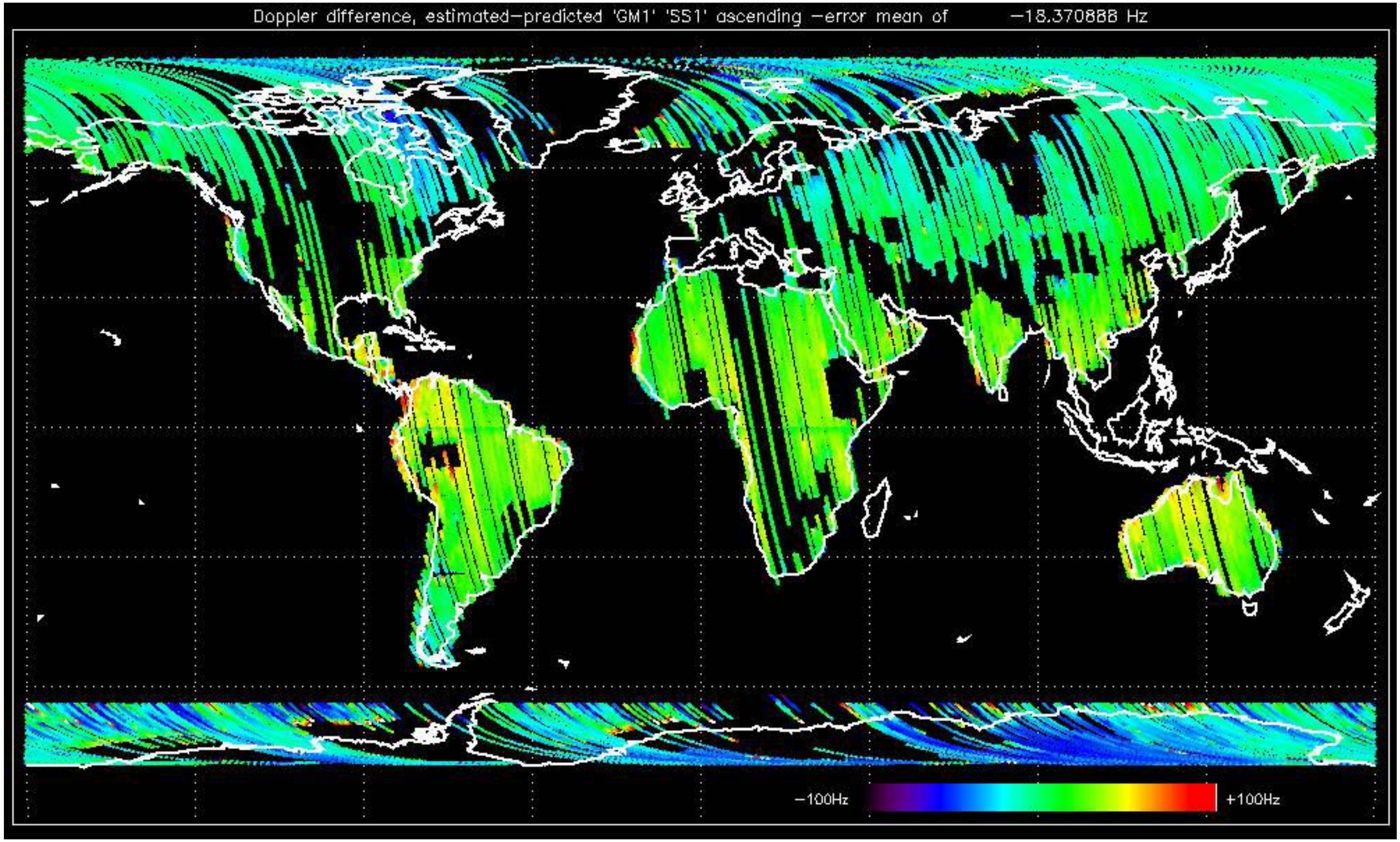

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

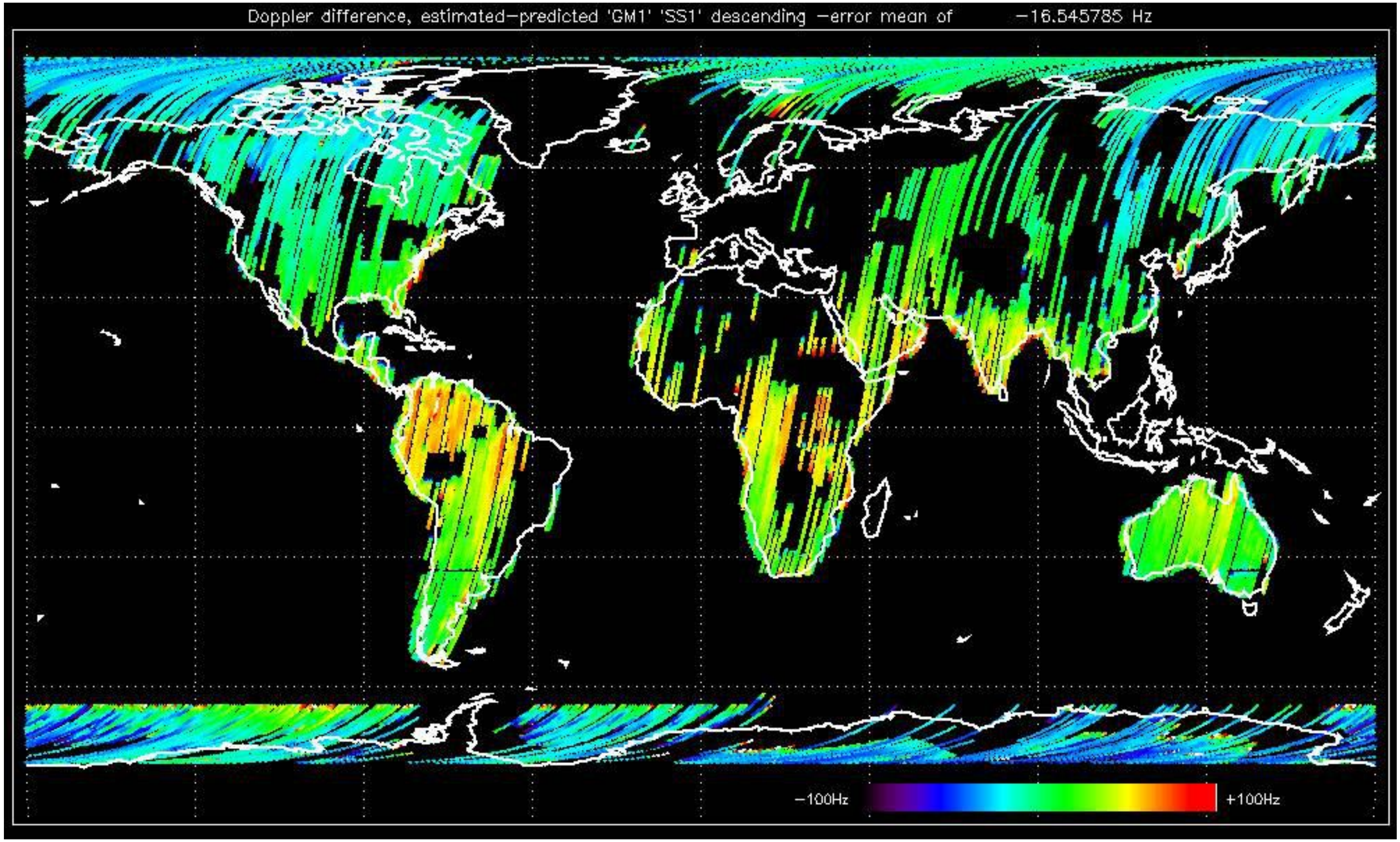

Doppler Bias[Hz]
200
0
−200
−400
−600
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
01−Mar
Date

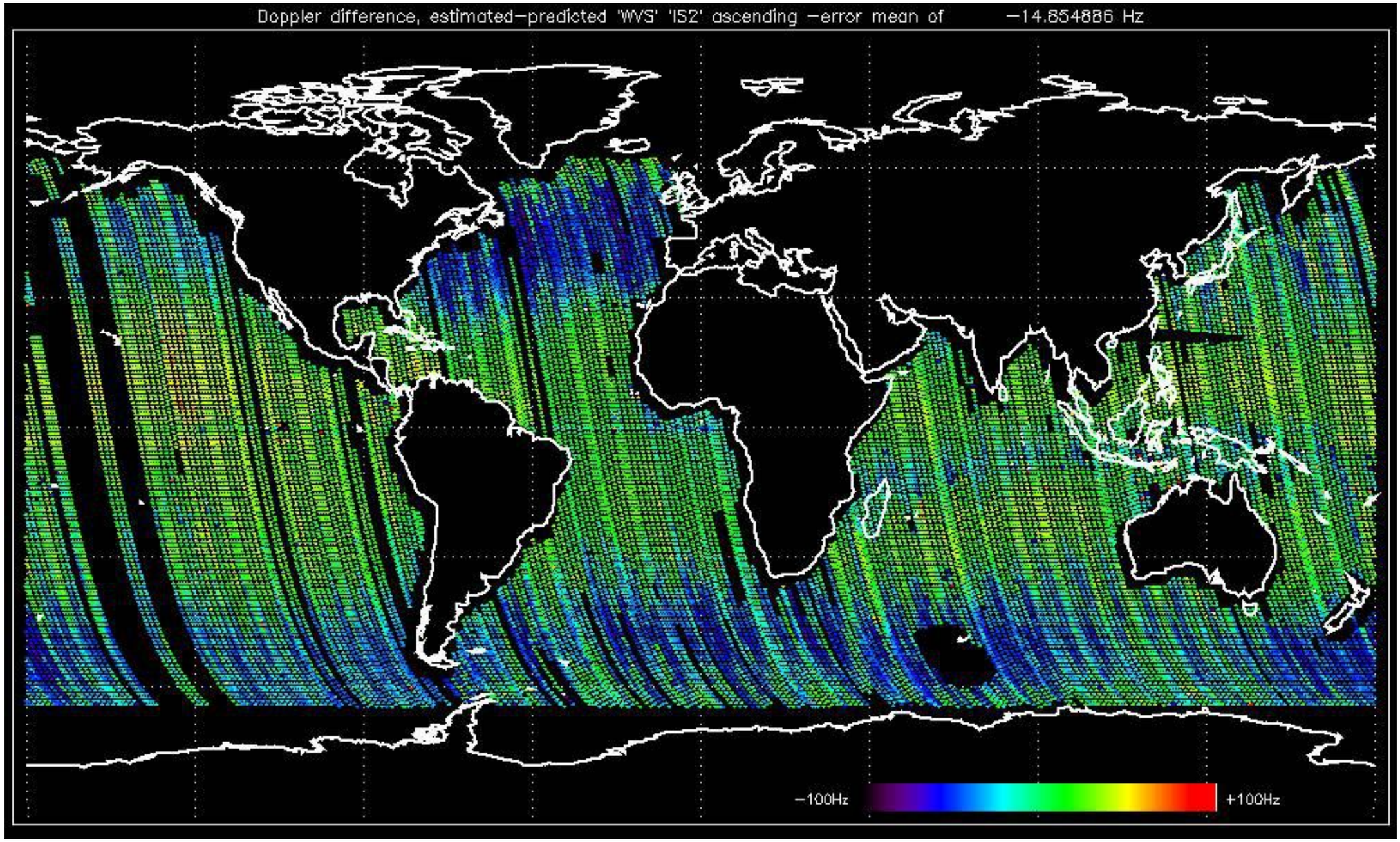

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

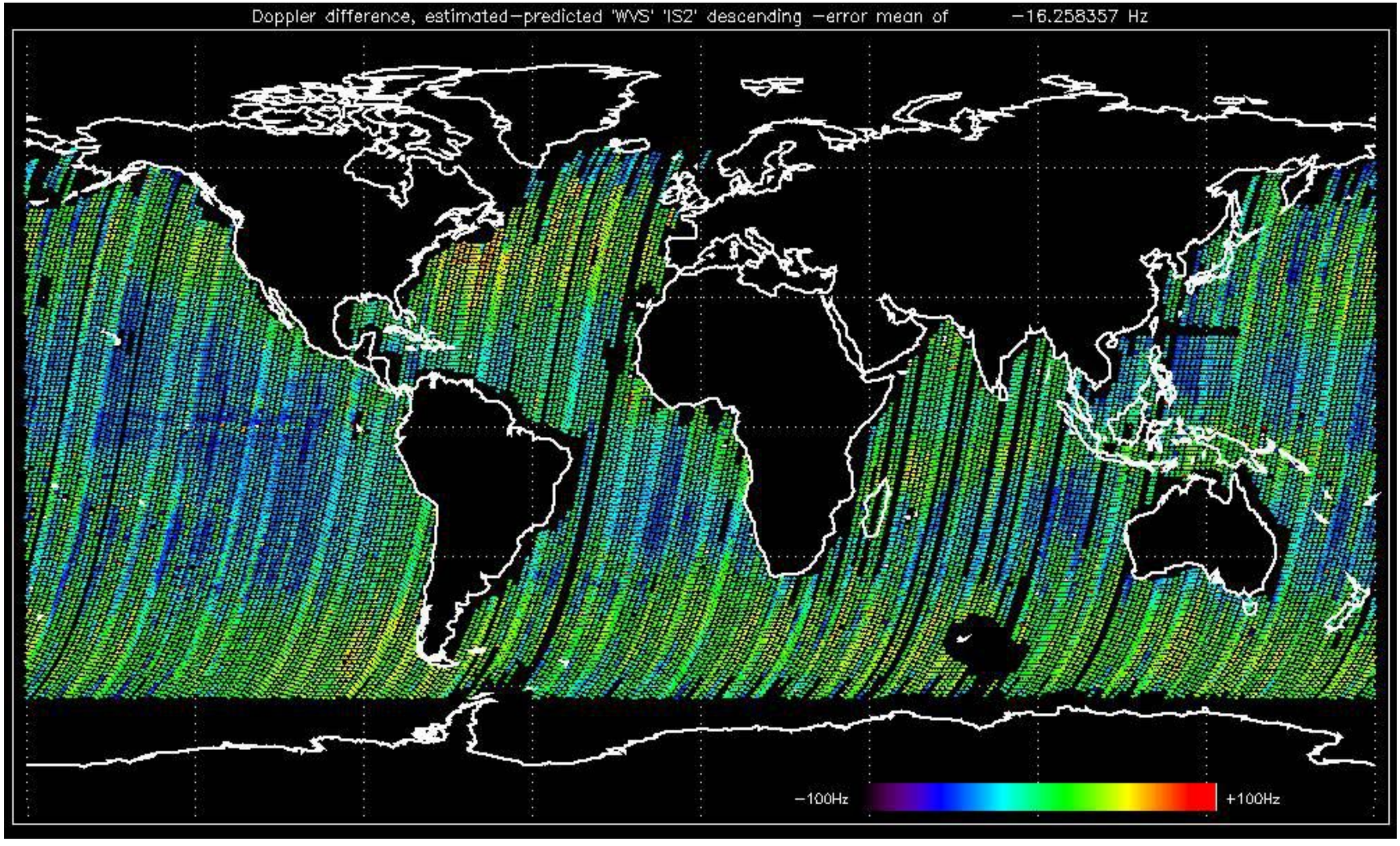

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

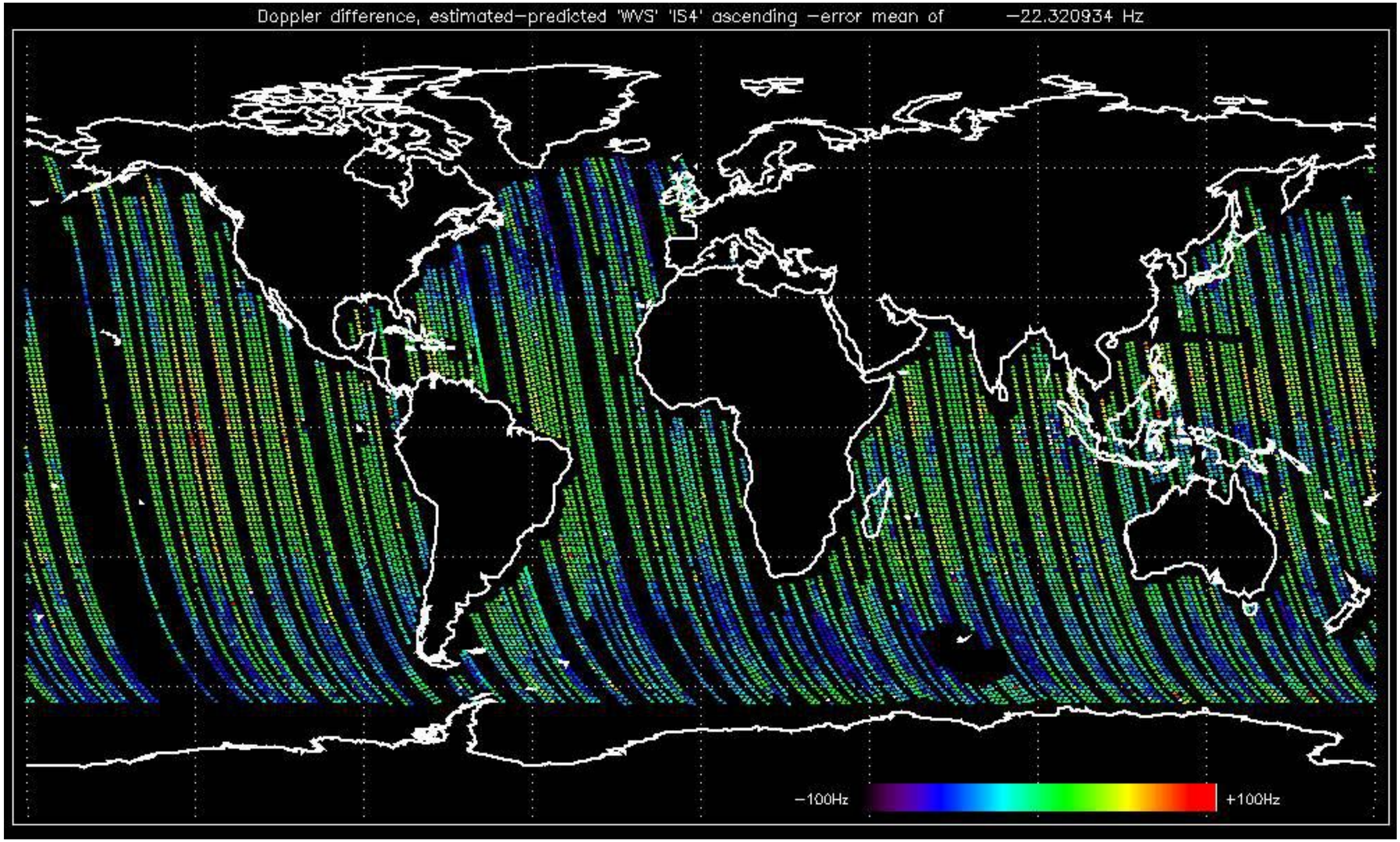

Doppler Bias[Hz]
400
200
0
−200
−400
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
01−Mar
Date

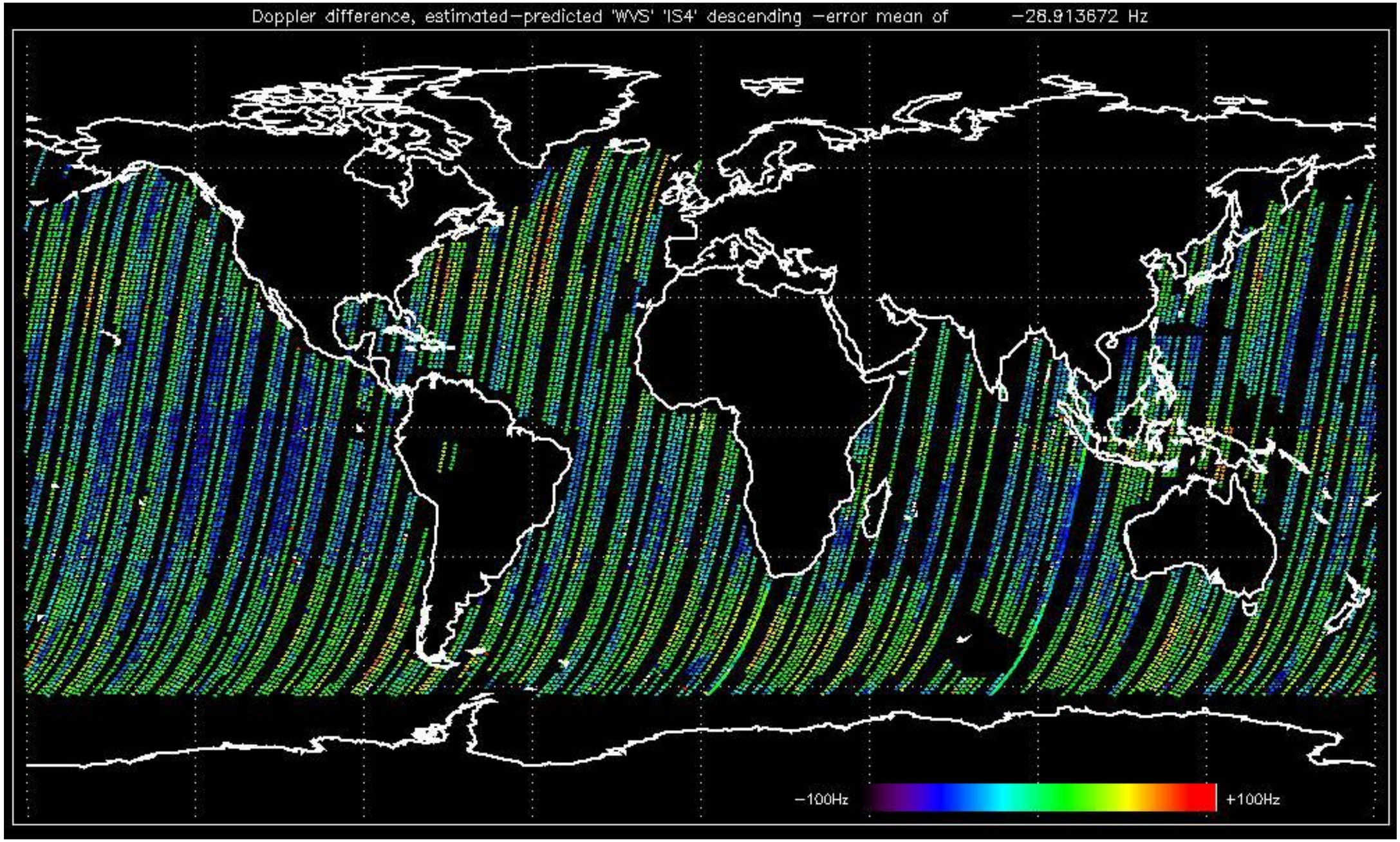

Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −18.370888 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −16.545785 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −14.854886 Hz
−100Hz
+100Hz

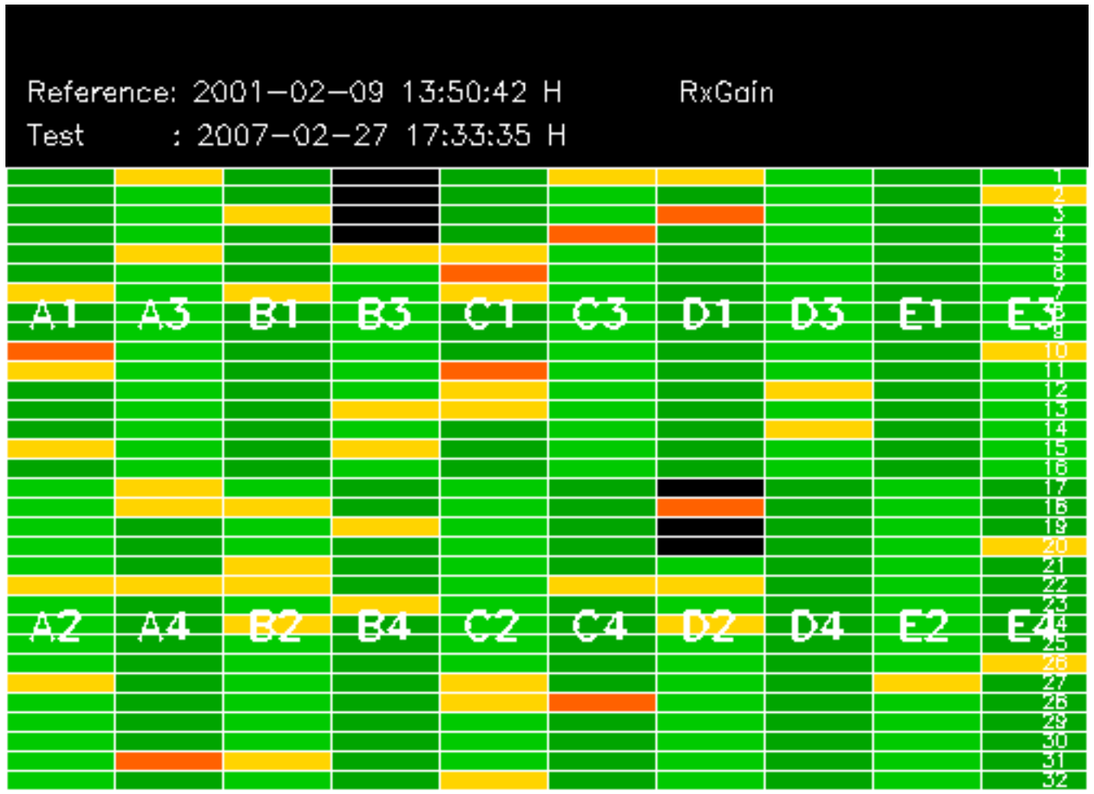

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −16.258357 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −22.320934 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −28.913672 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-27 17:33:35 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
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9
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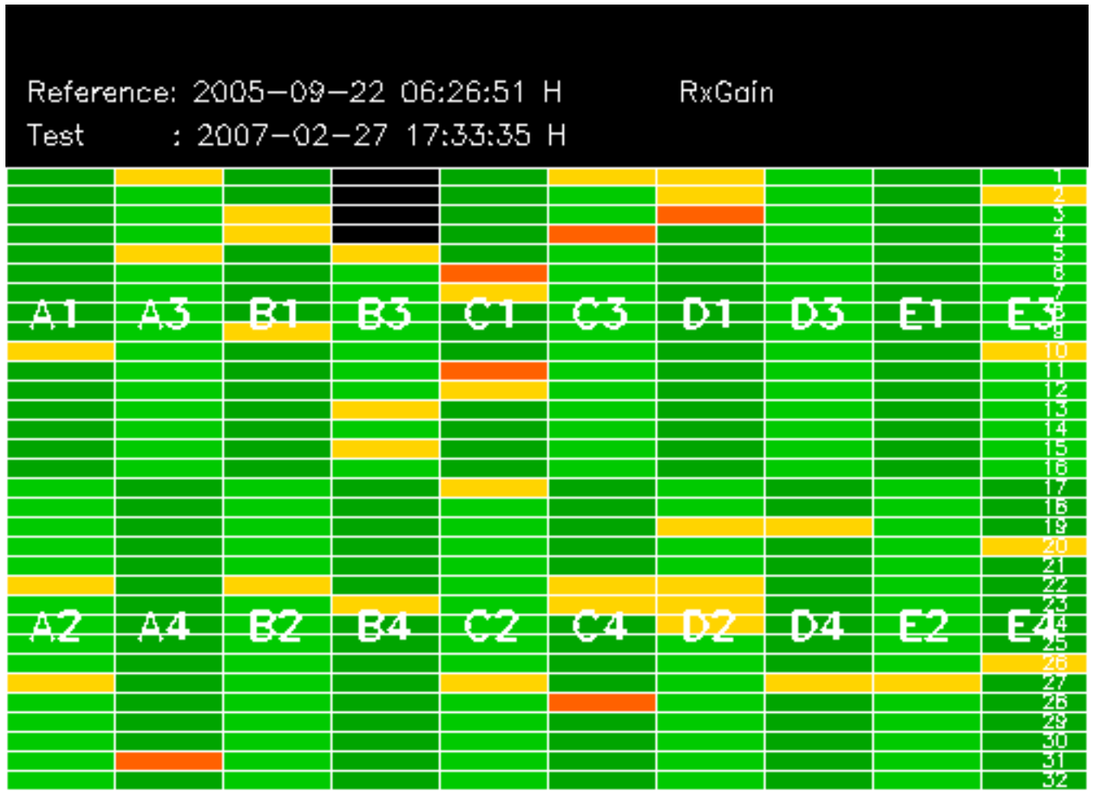
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-27 17:33:35 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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8
9
10
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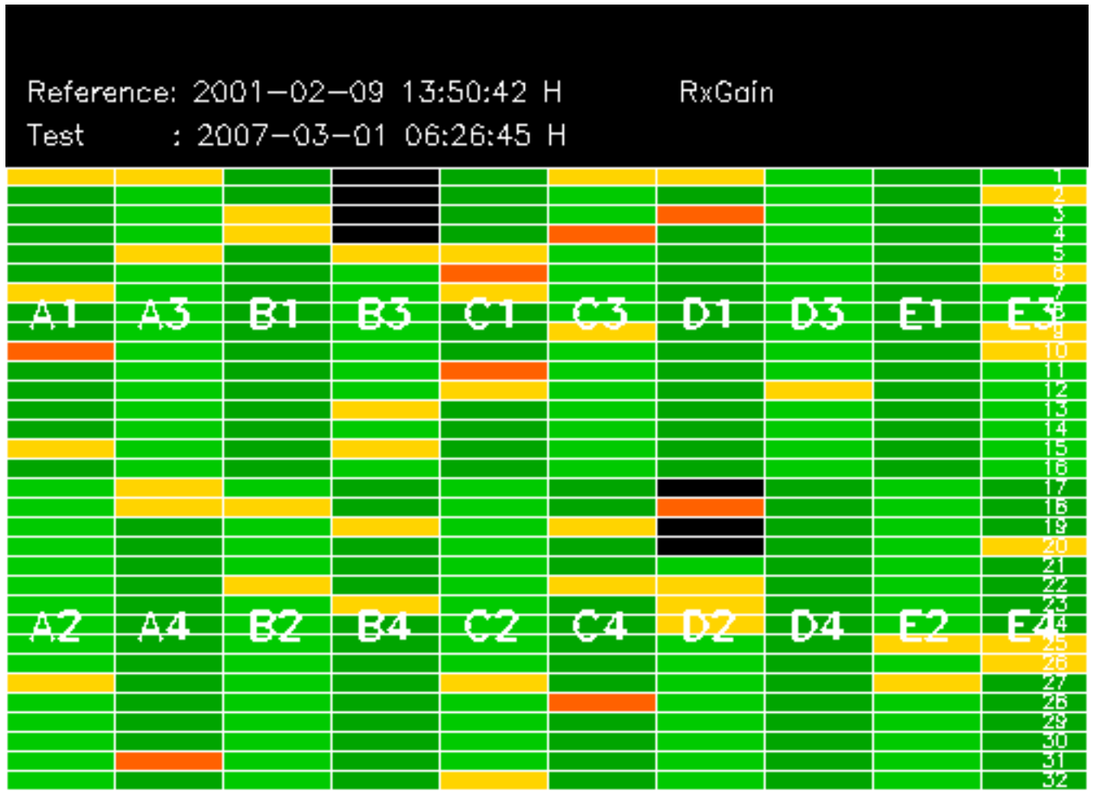
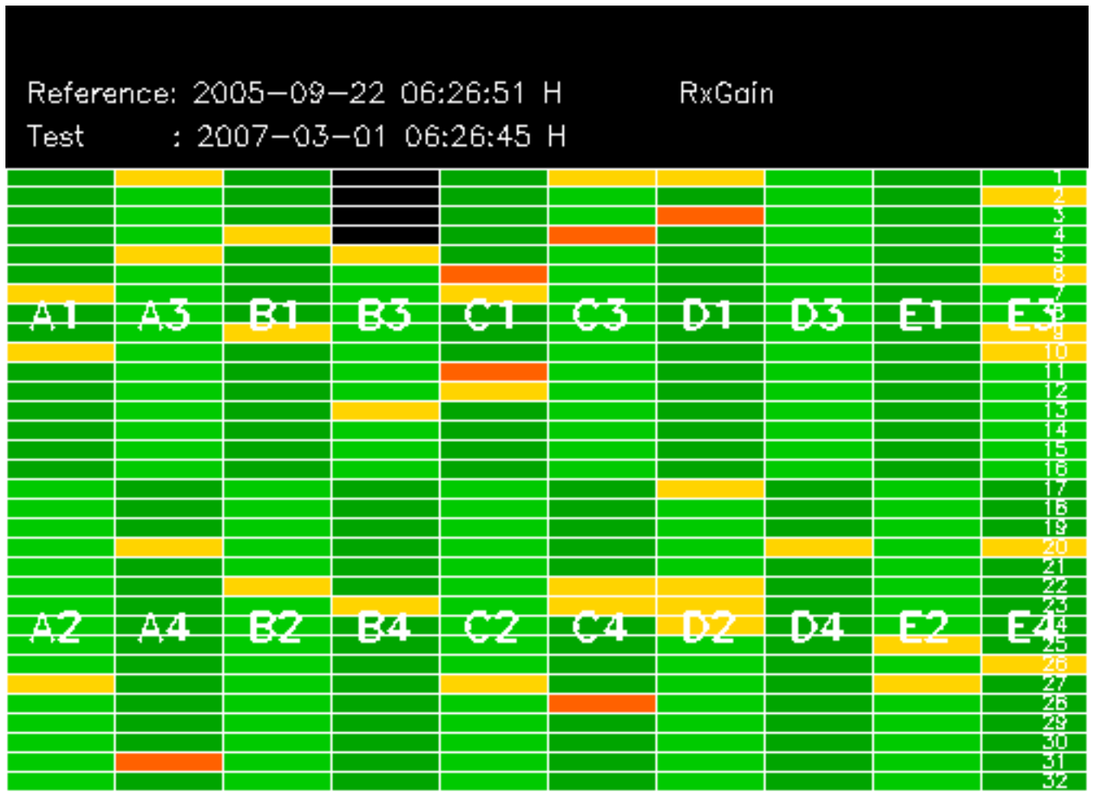
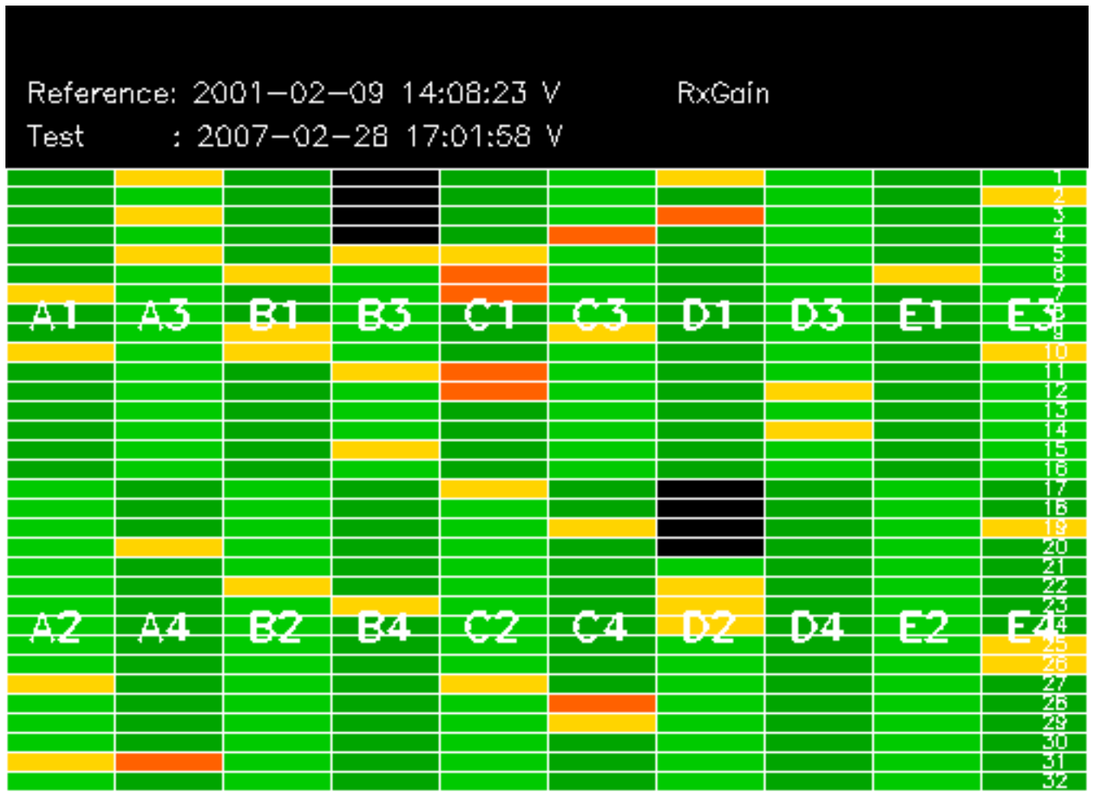
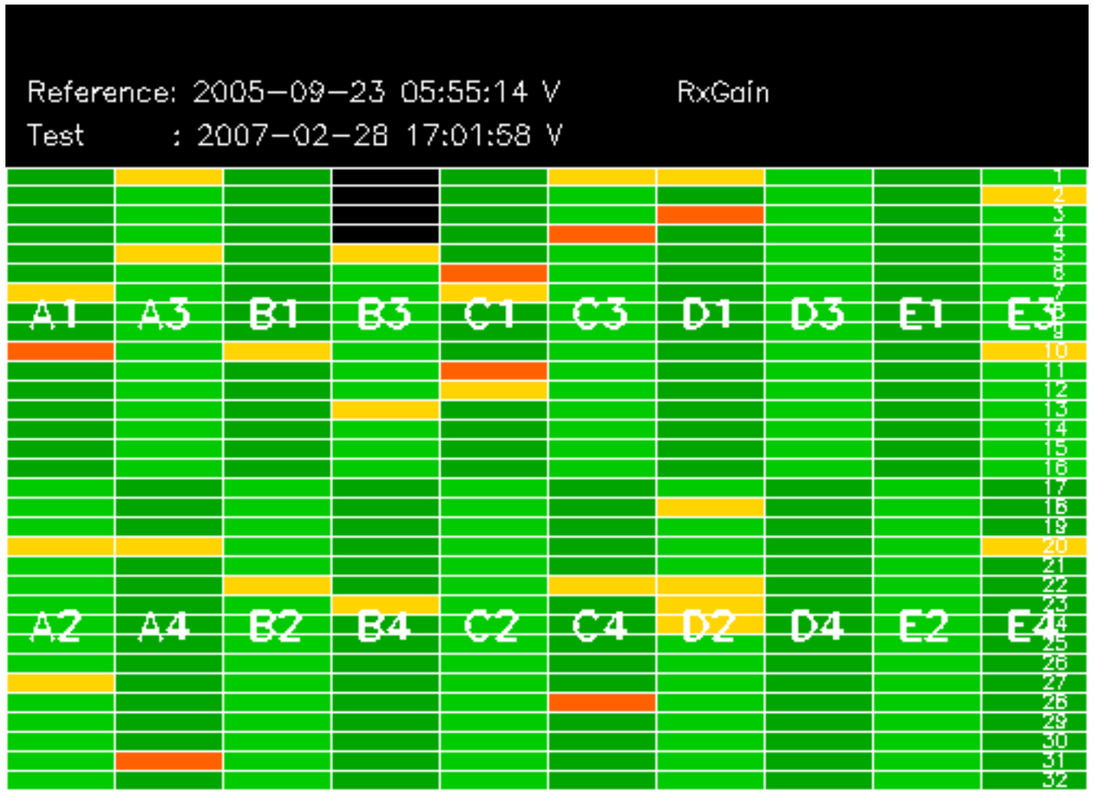
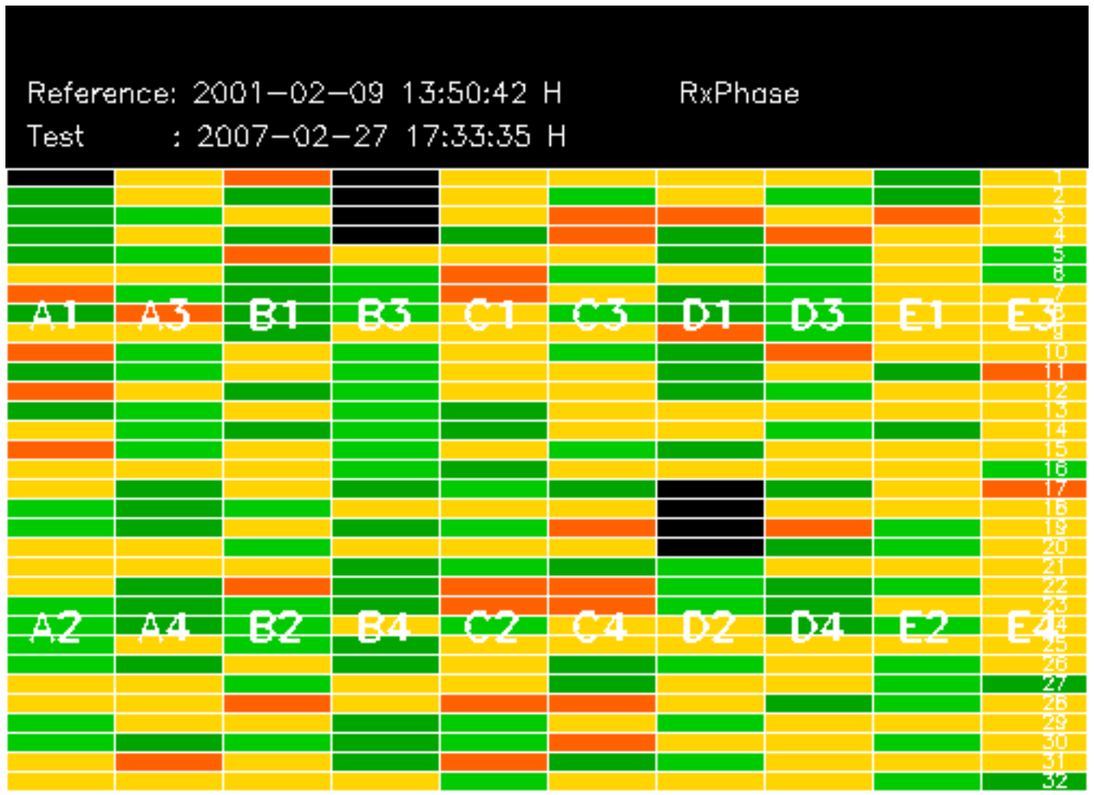
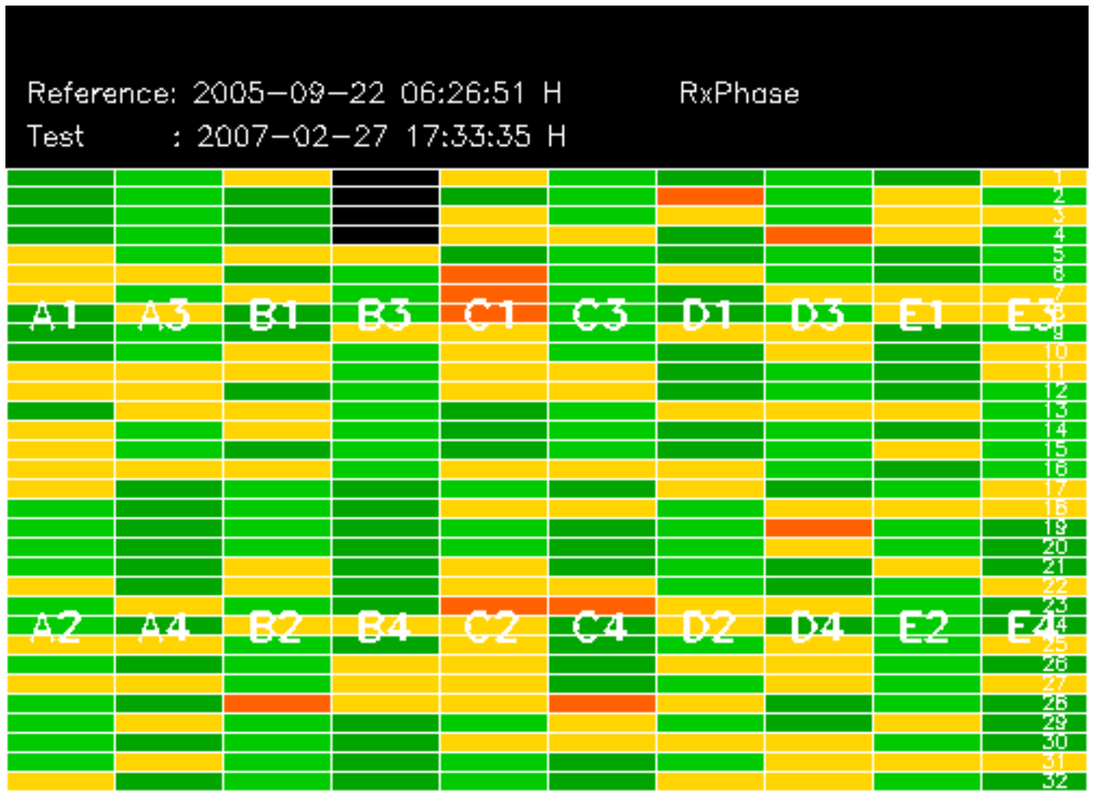

Reference: 2001-02-09 13:50:42 H
RxGain
Test : 2007-03-01 06:26:45 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

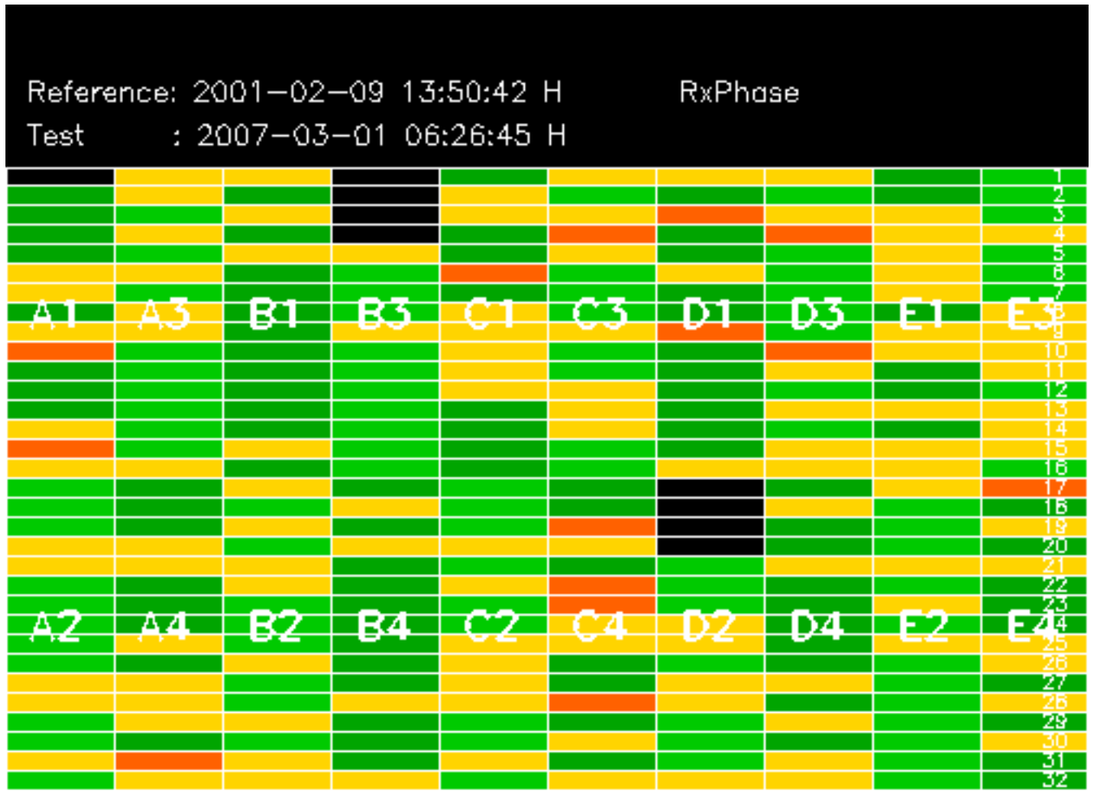

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-01 06:26:45 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-02-28 17:01:58 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 : 2007-02-28 17:01:58 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
Test : 2007-02-27 17:33:35 H
RxPhase
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
RxPhase
Test : 2007-02-27 17:33:35 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-01 06:26:45 H
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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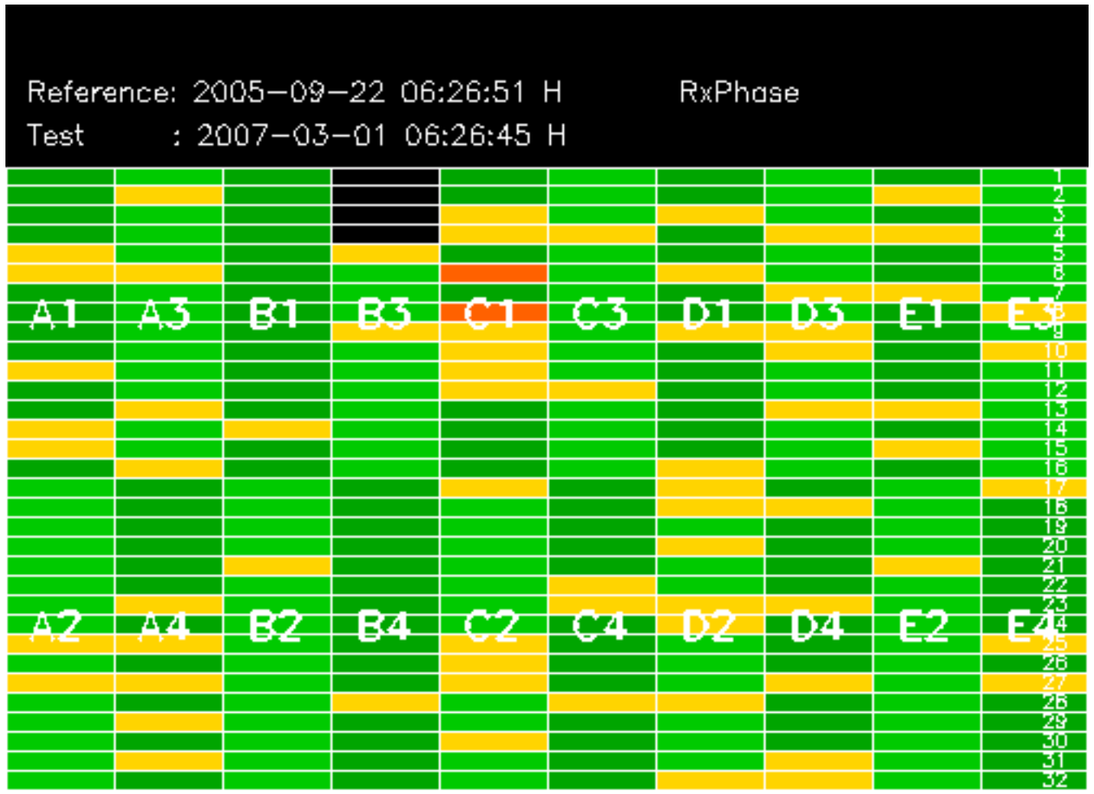
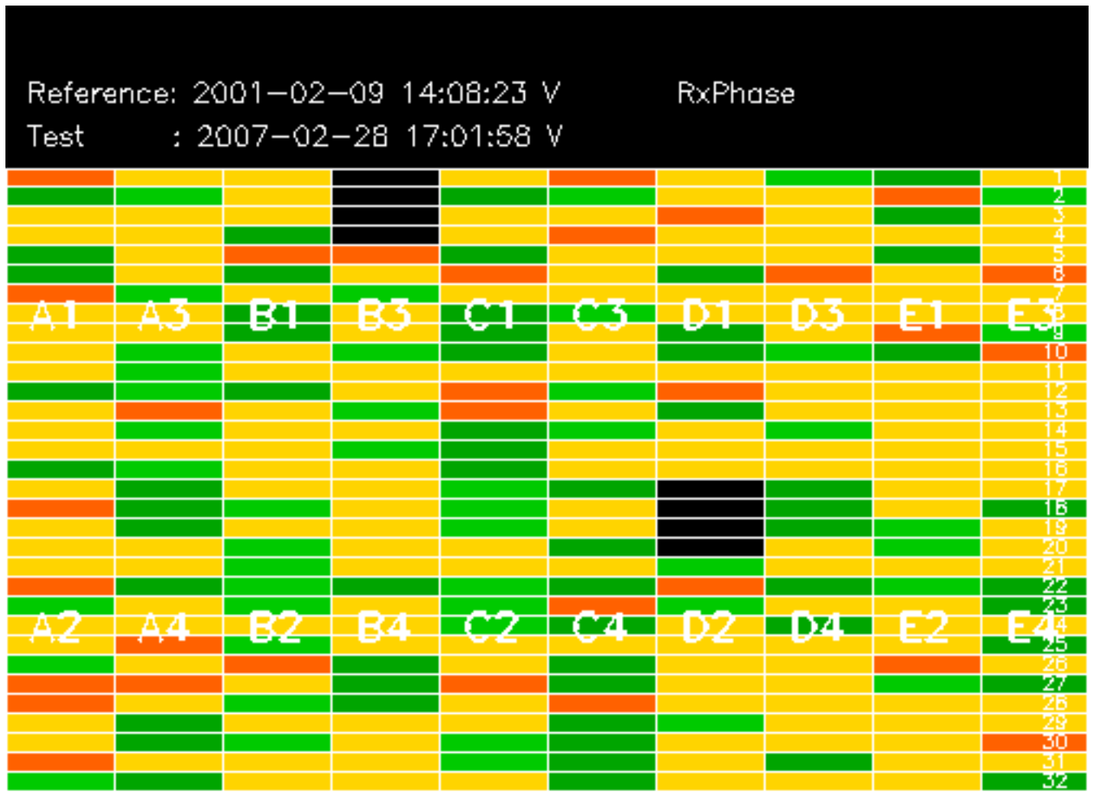
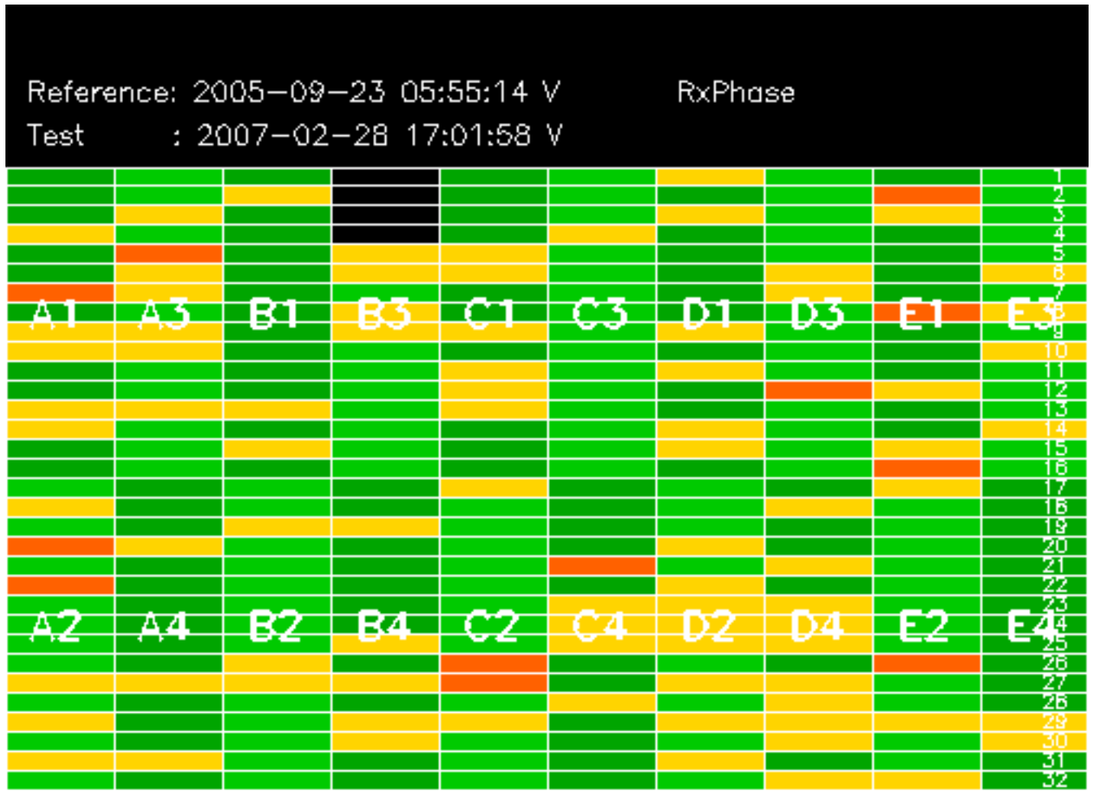

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-01 06:26:45 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-28 17:01:58 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 : 2007-02-28 17:01:58 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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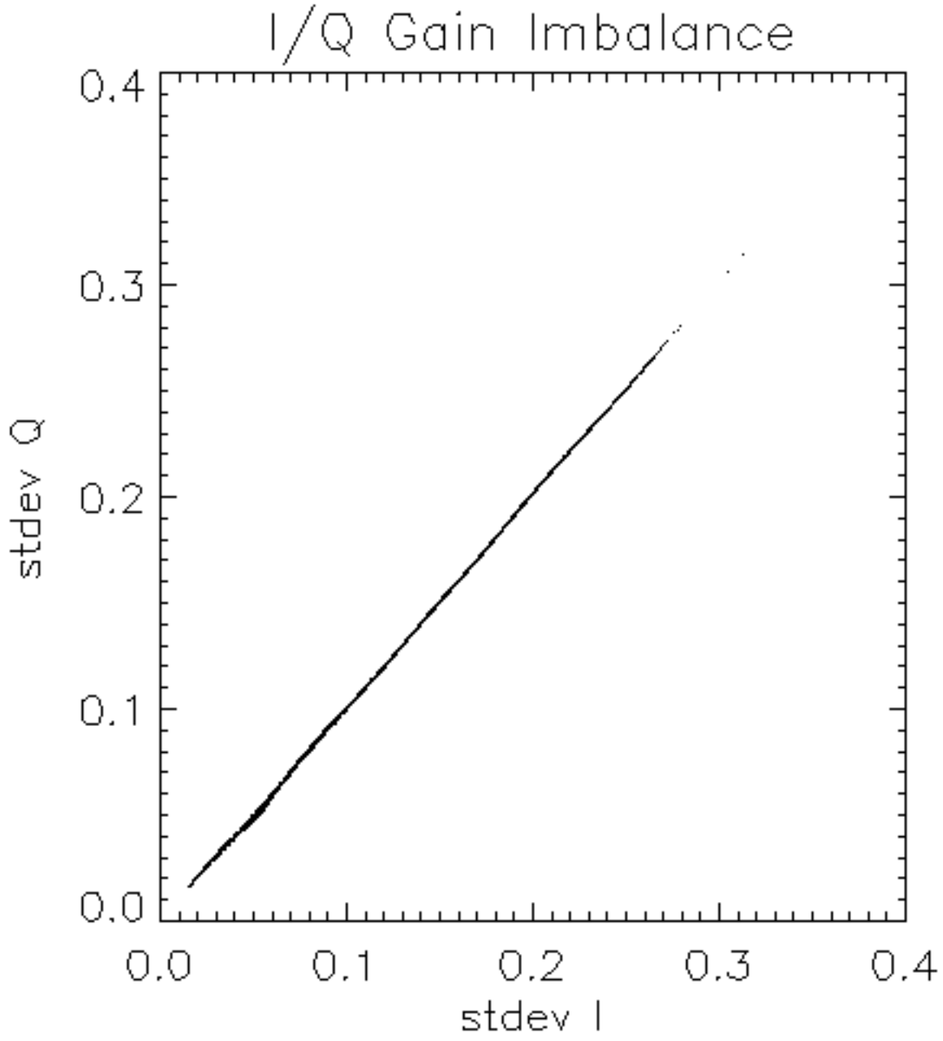
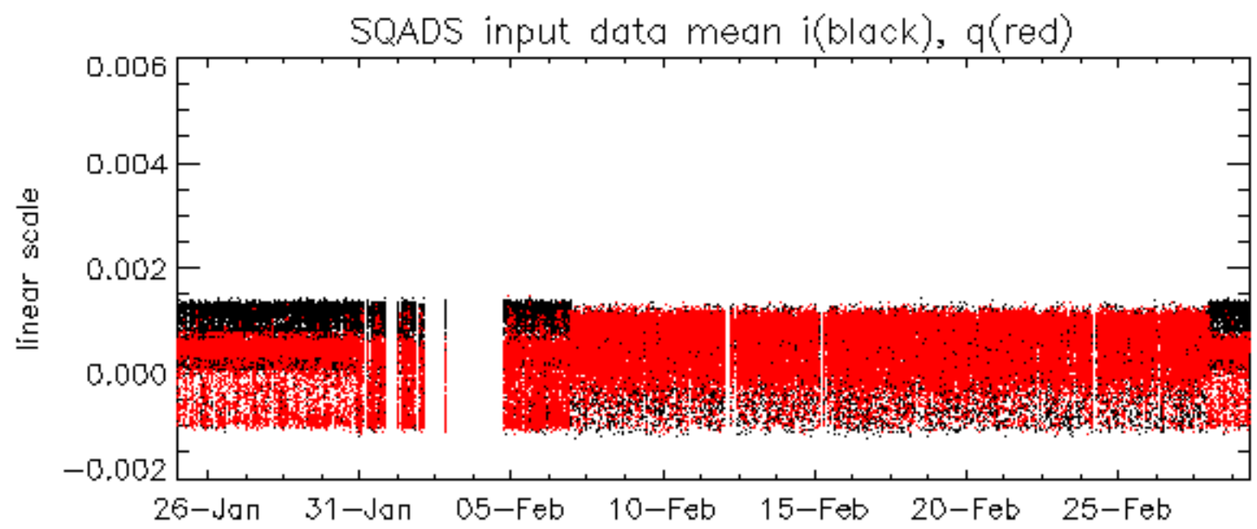
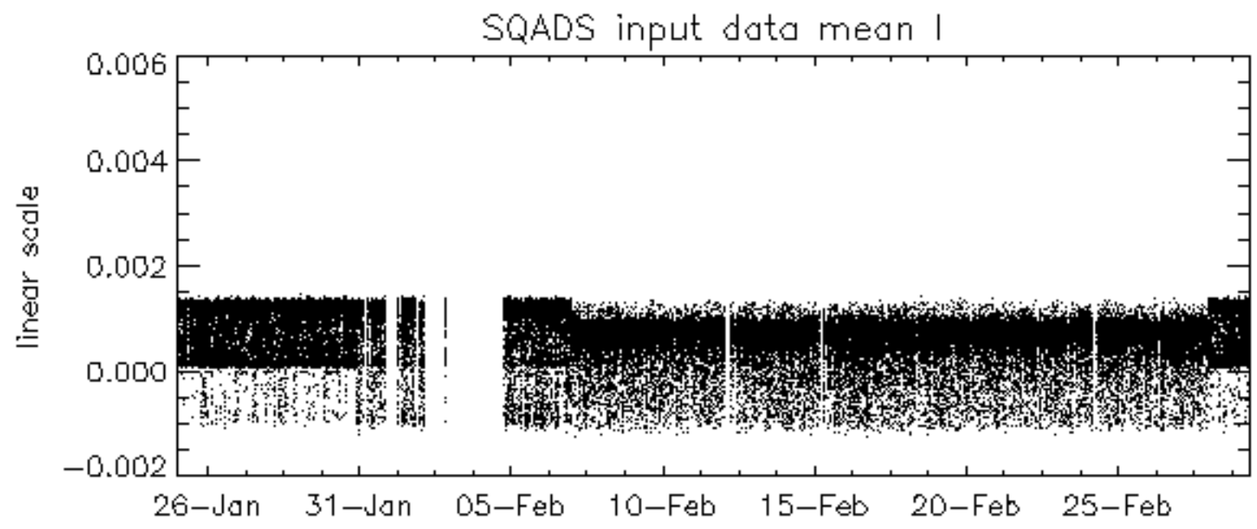
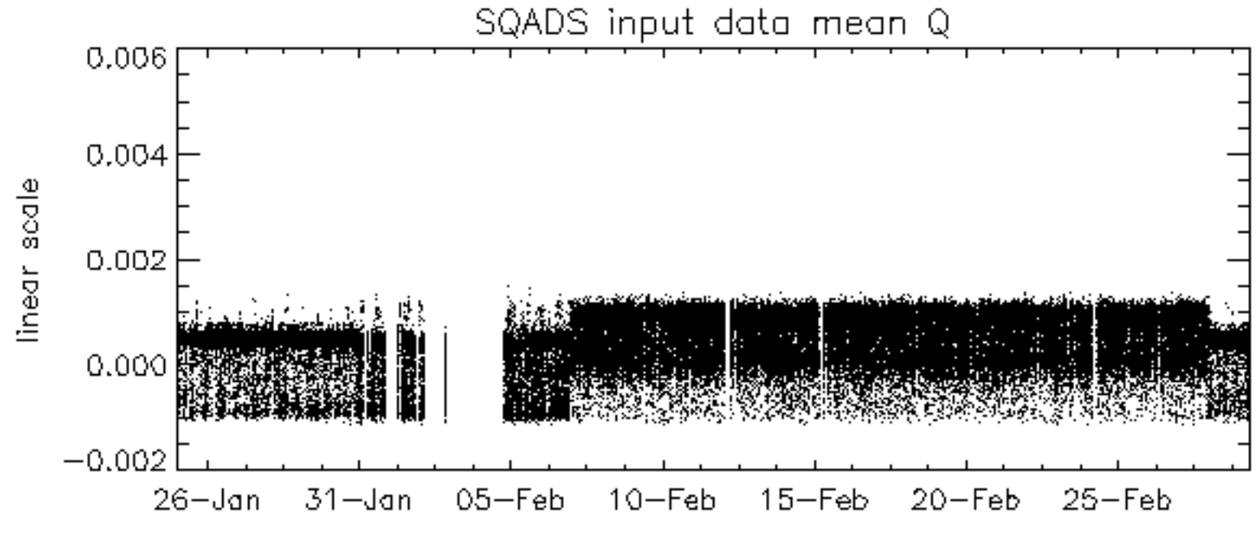
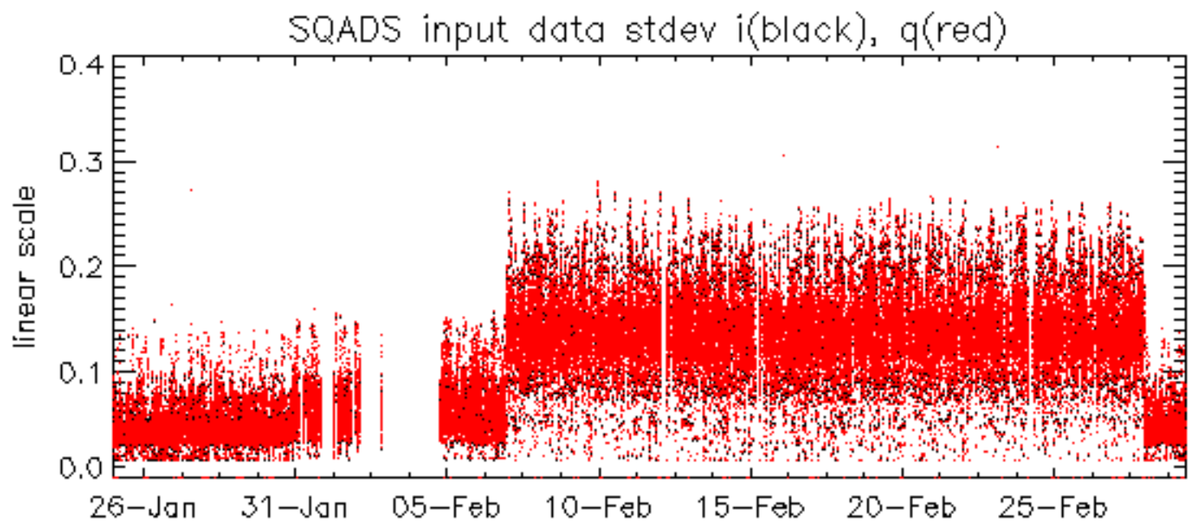
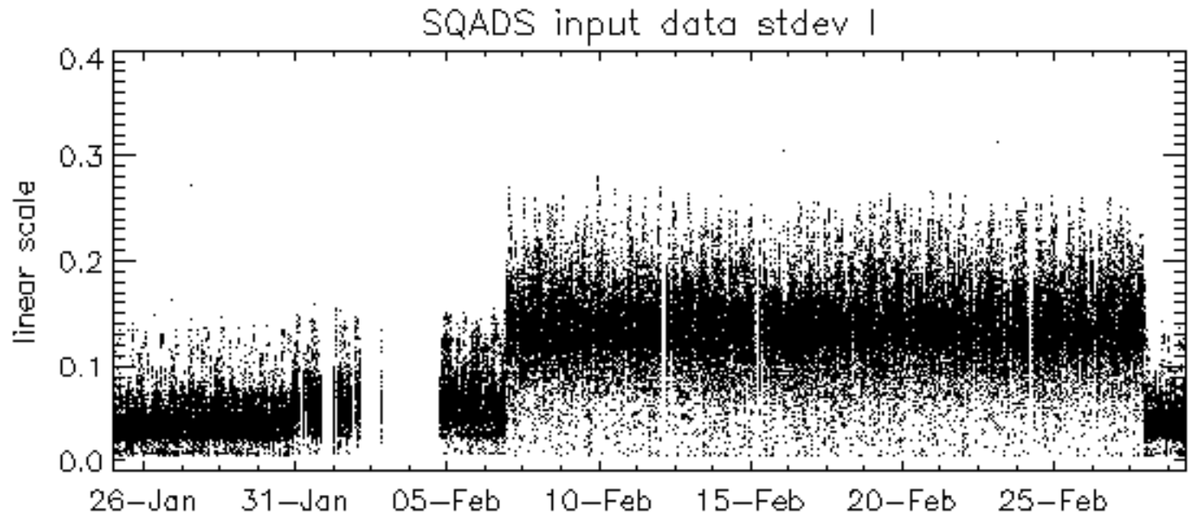

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

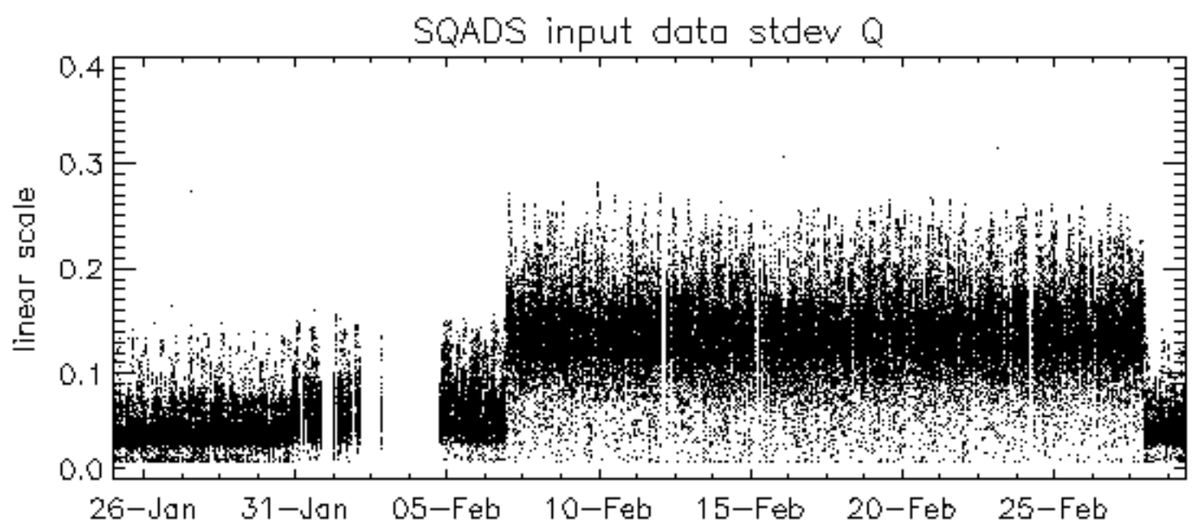

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb

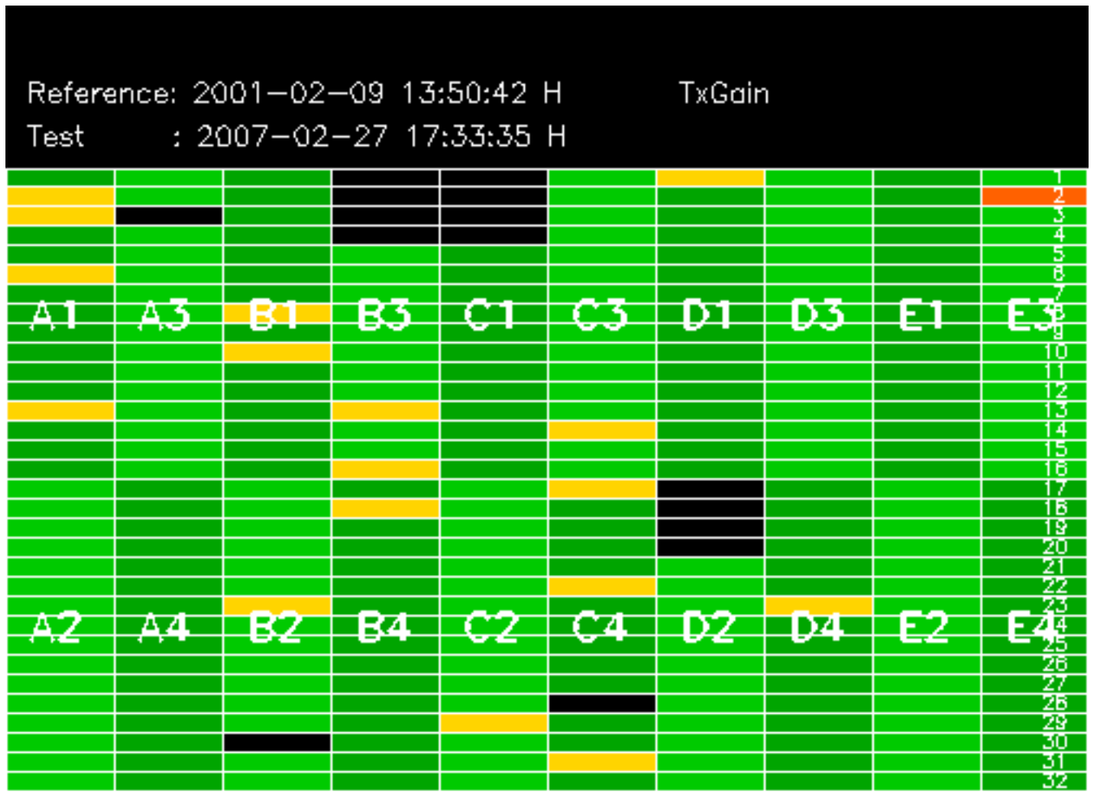

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb
10−Feb
15−Feb
20−Feb
25−Feb


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
26-Jan
31-Jan
05-Feb
10-Feb
15-Feb
20-Feb
25-Feb


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26-Jan
31-Jan
05-Feb
10-Feb
15-Feb
20-Feb
25-Feb


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26-Jan
31-Jan
05-Feb
10-Feb
15-Feb
20-Feb
25-Feb


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-27 17:33:35 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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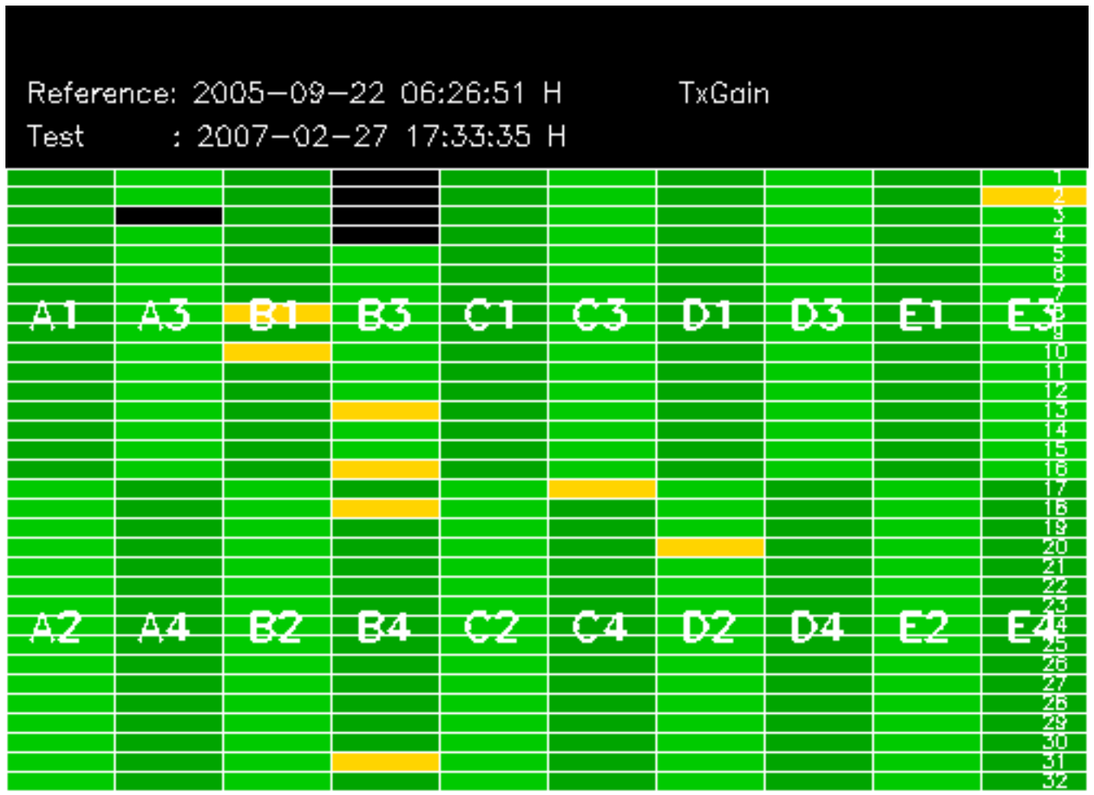
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-27 17:33:35 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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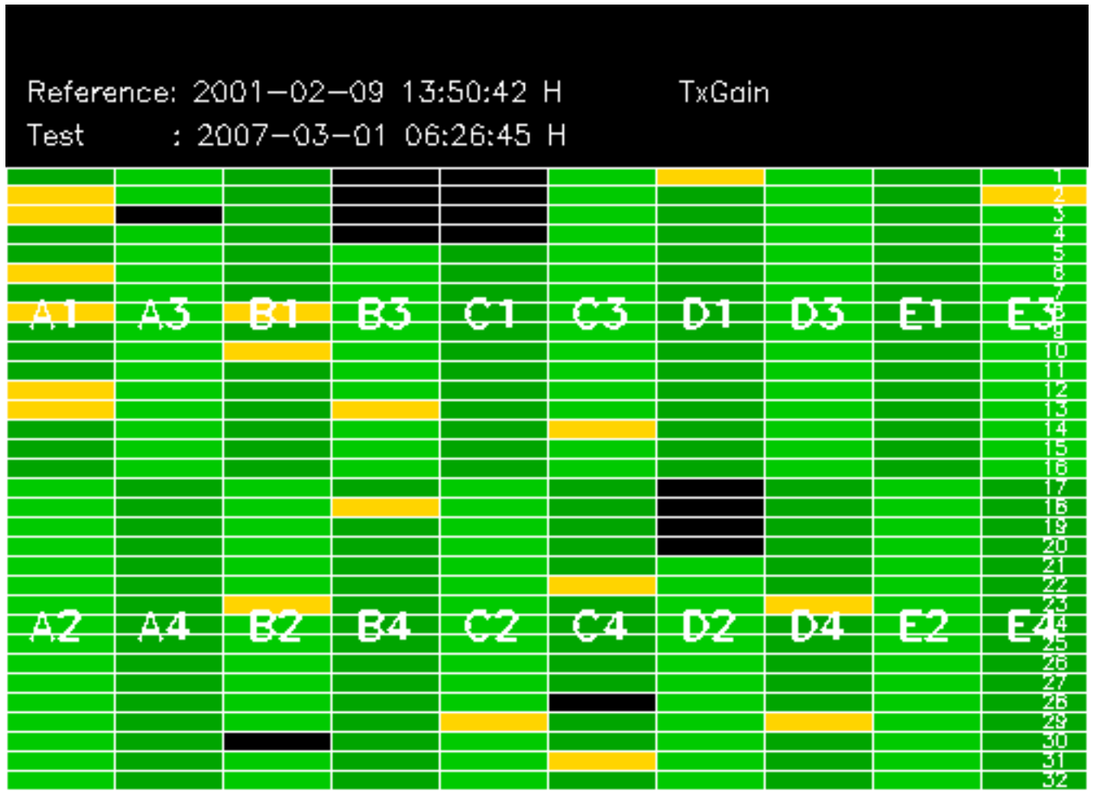
Reference: 2001-02-09 13:50:42 H
Test : 2007-03-01 06:26:45 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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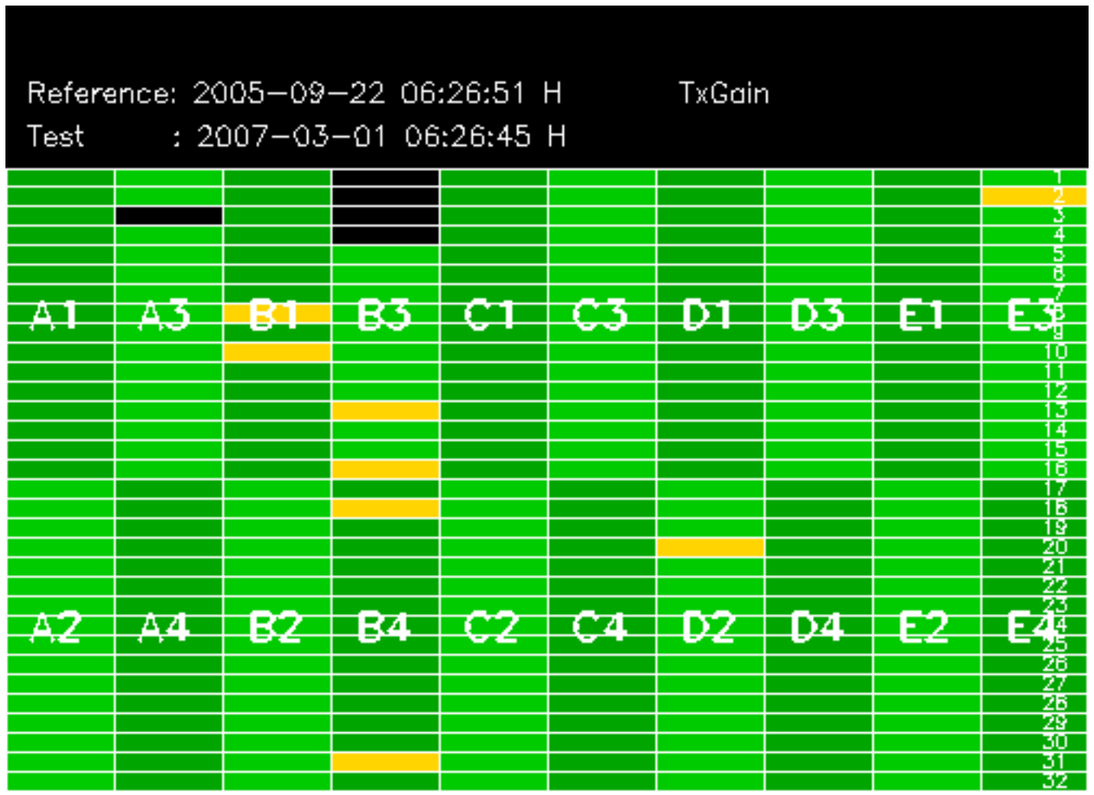
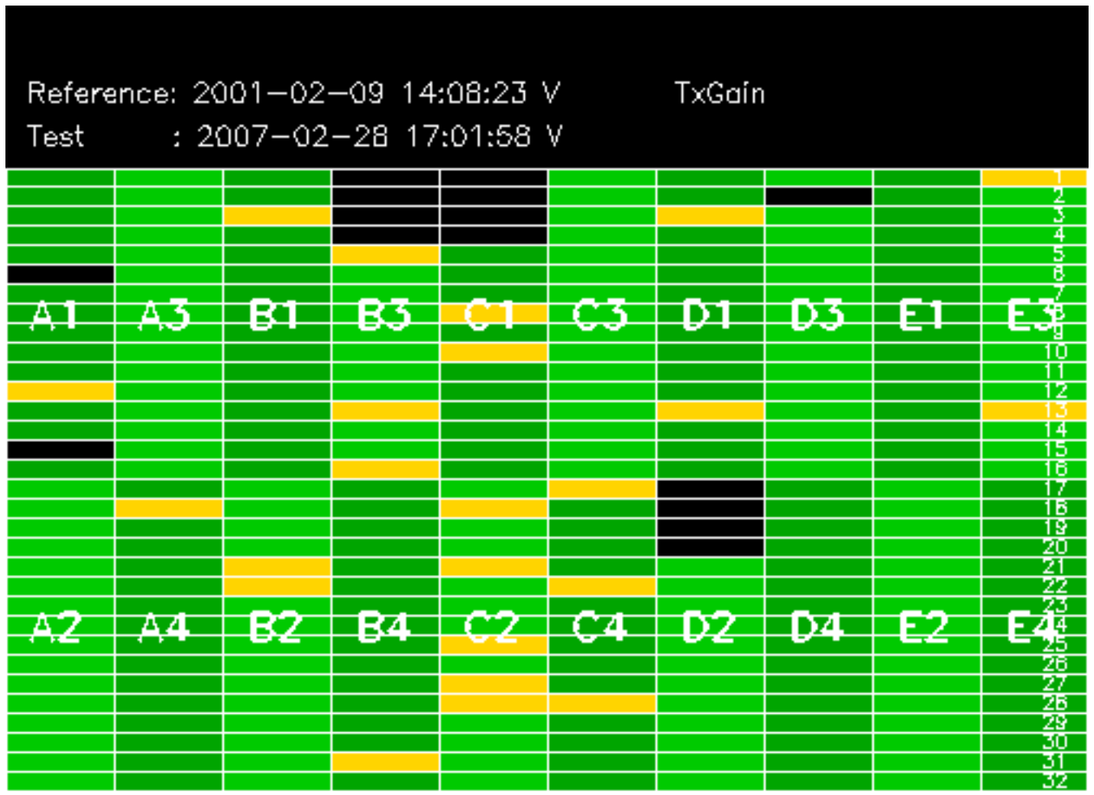

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-01 06:26:45 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-02-28 17:01:58 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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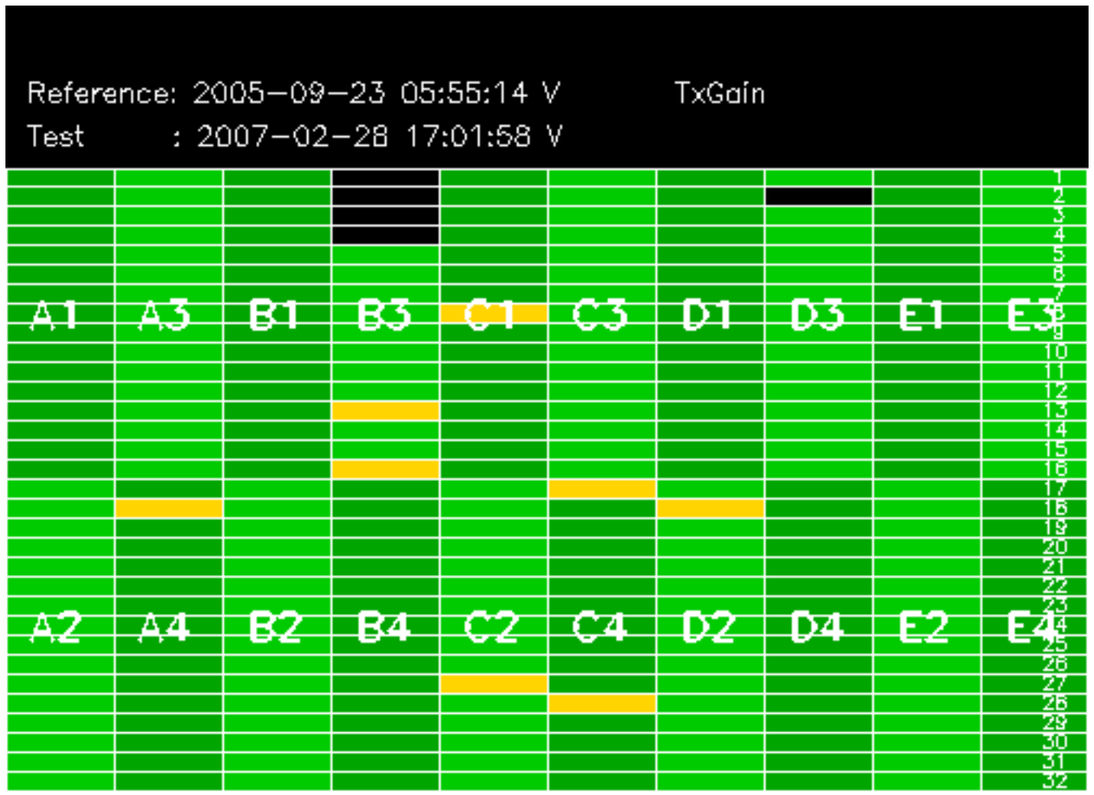
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-28 17:01:58 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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Summary of analysis for the last 3 days 2007022[781]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070221_143309_000000372055_00425_26030_6740.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20070221_165622_000001272055_00427_26032_6826.N1 </td> <td>4 </td> <td>86 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20070228_130017_000003962056_00024_26130_1566.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WVS_1PNPDK20070228_065153_000000002056_00020_26126_1087.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070221_164157_000000982055_00427_26032_6808.N1 </td> <td>5 </td> <td>1764 </td></tr>
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<tr> <td>ASA_WSM_1PNPDE20070228_113744_000001092056_00023_26129_5446.N1 </td> <td>0 </td> <td>13 </td></tr>
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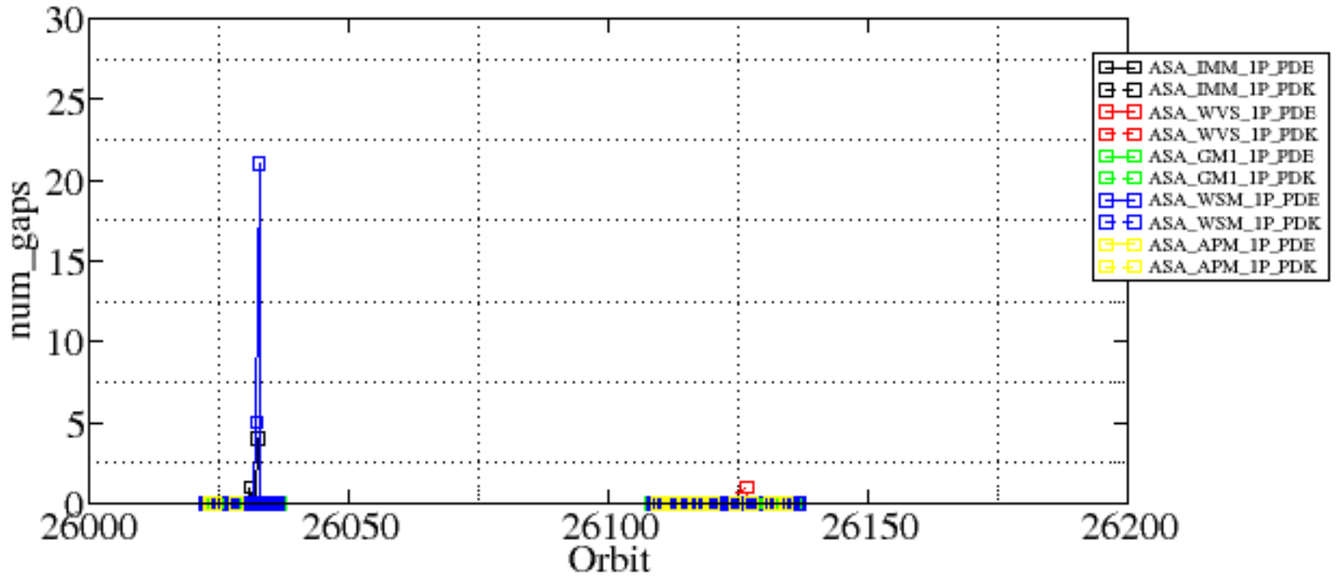
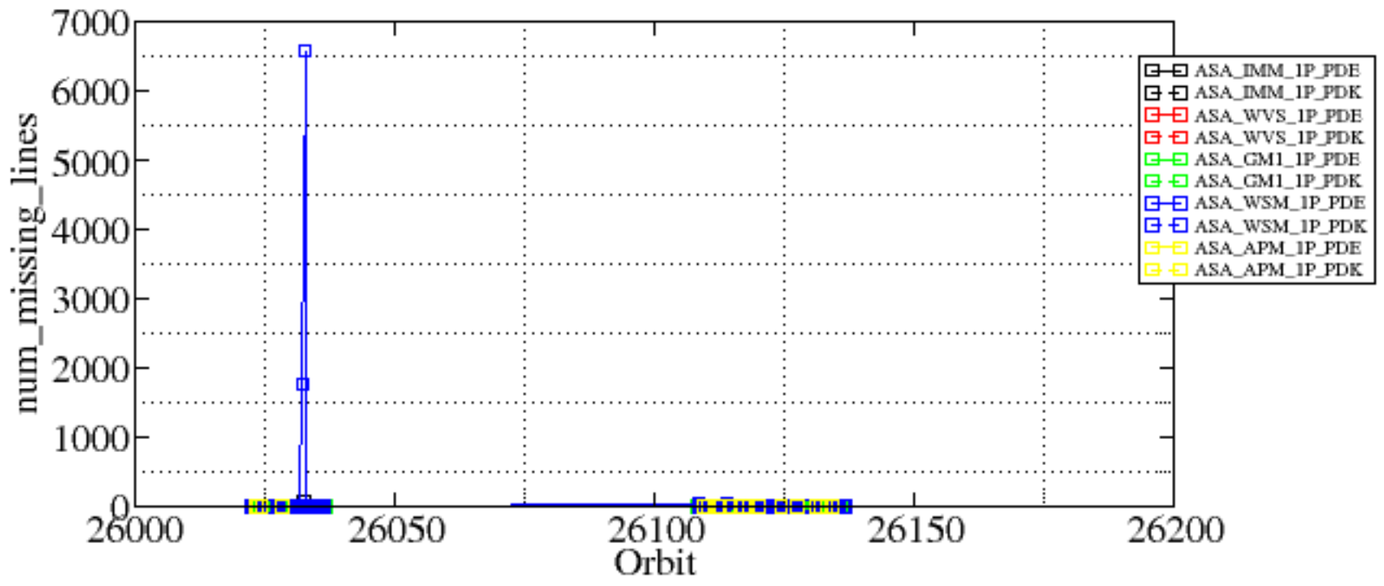
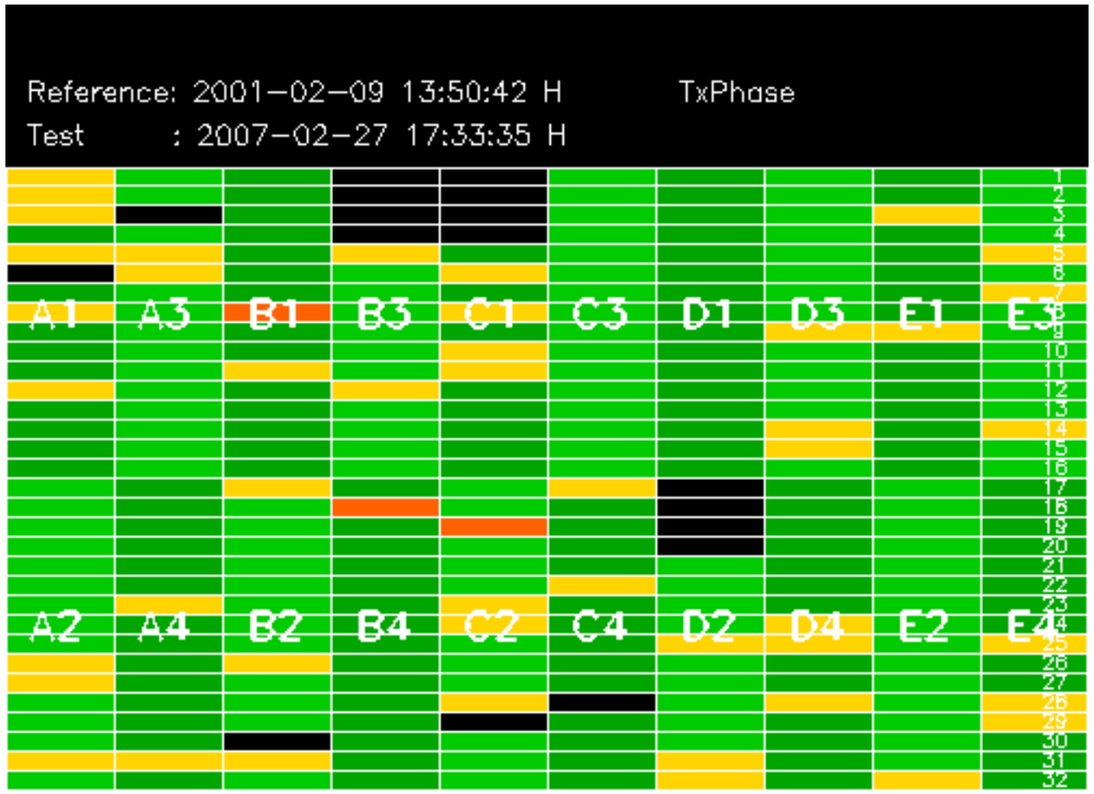

num_gaps
30
25
20
15
10
5
0
26000
26050
26100
26150
26200
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
7000
6000
5000
4000
3000
2000
1000
0
26000
26050
26100
26150
26200
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 : 2007-02-27 17:33:35 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
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21
22
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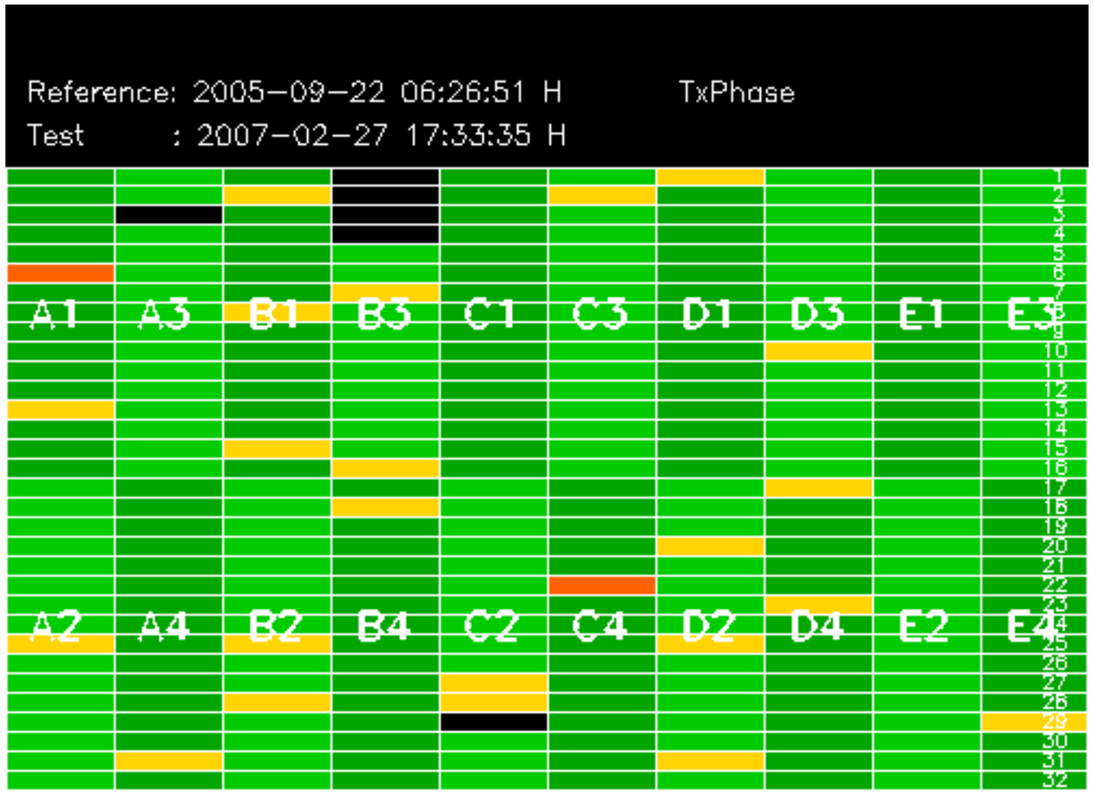
29
30
31
32


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-02-27 17:33:35 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
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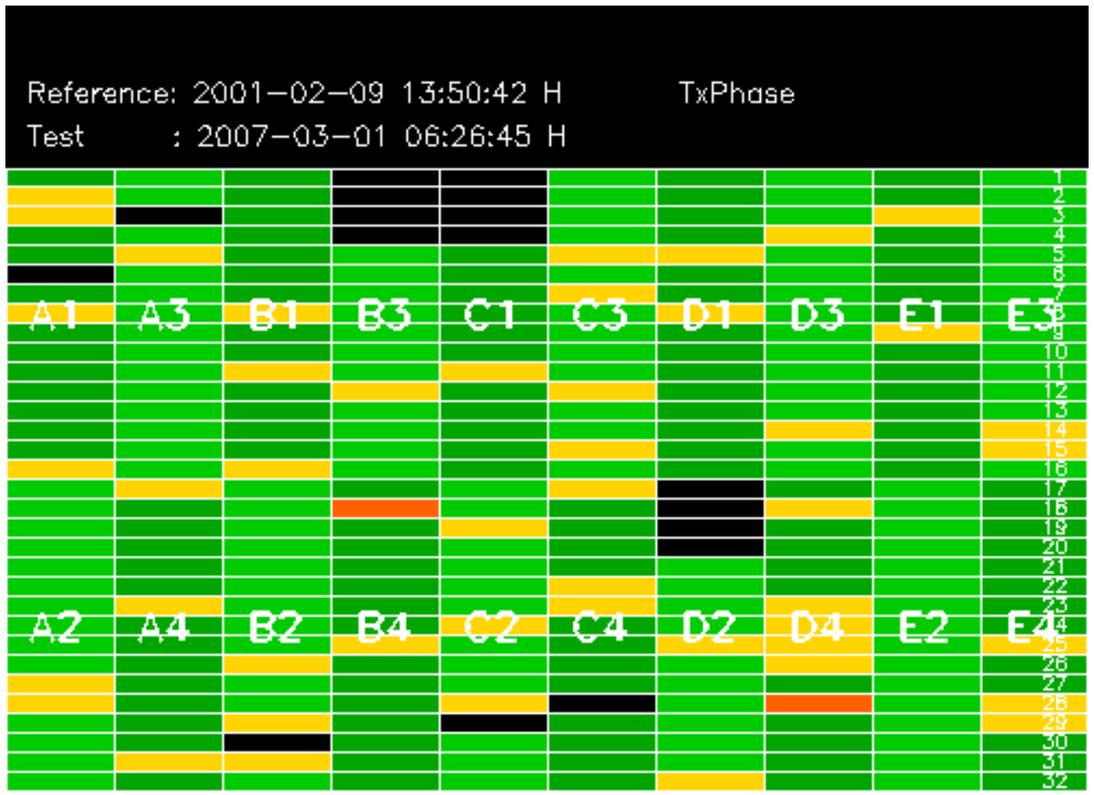
29
30
31
32


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-01 06:26:45 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
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9
10
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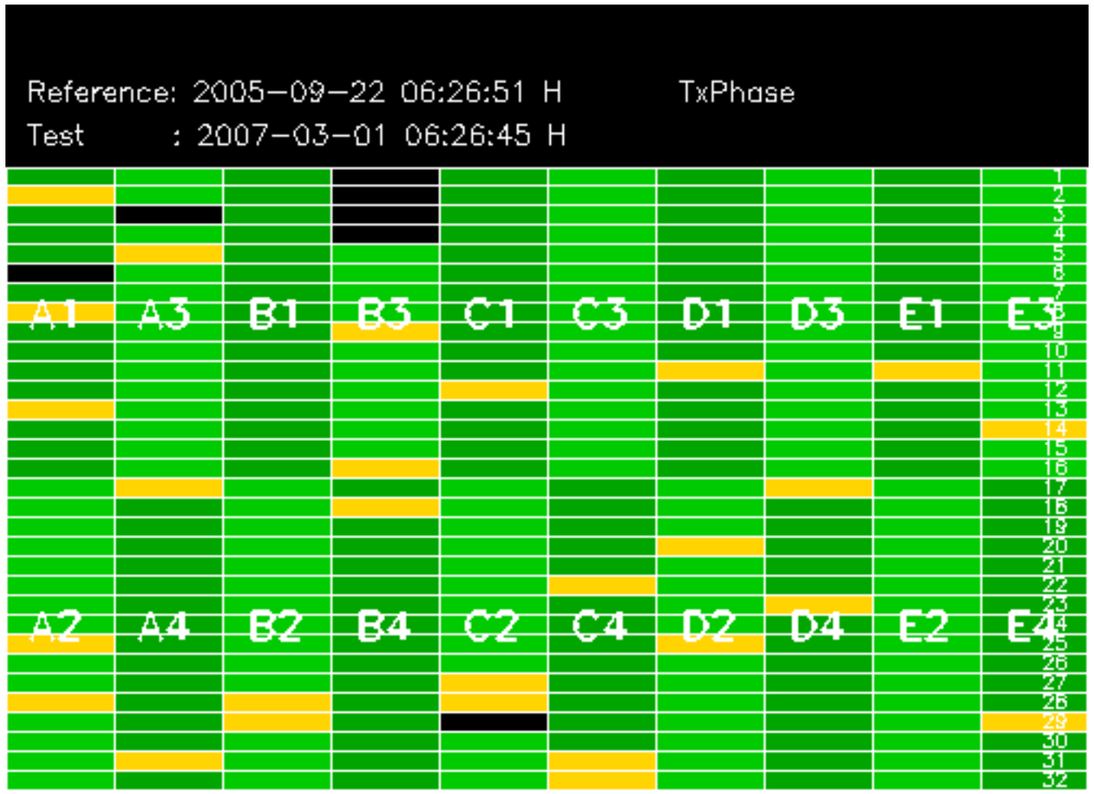
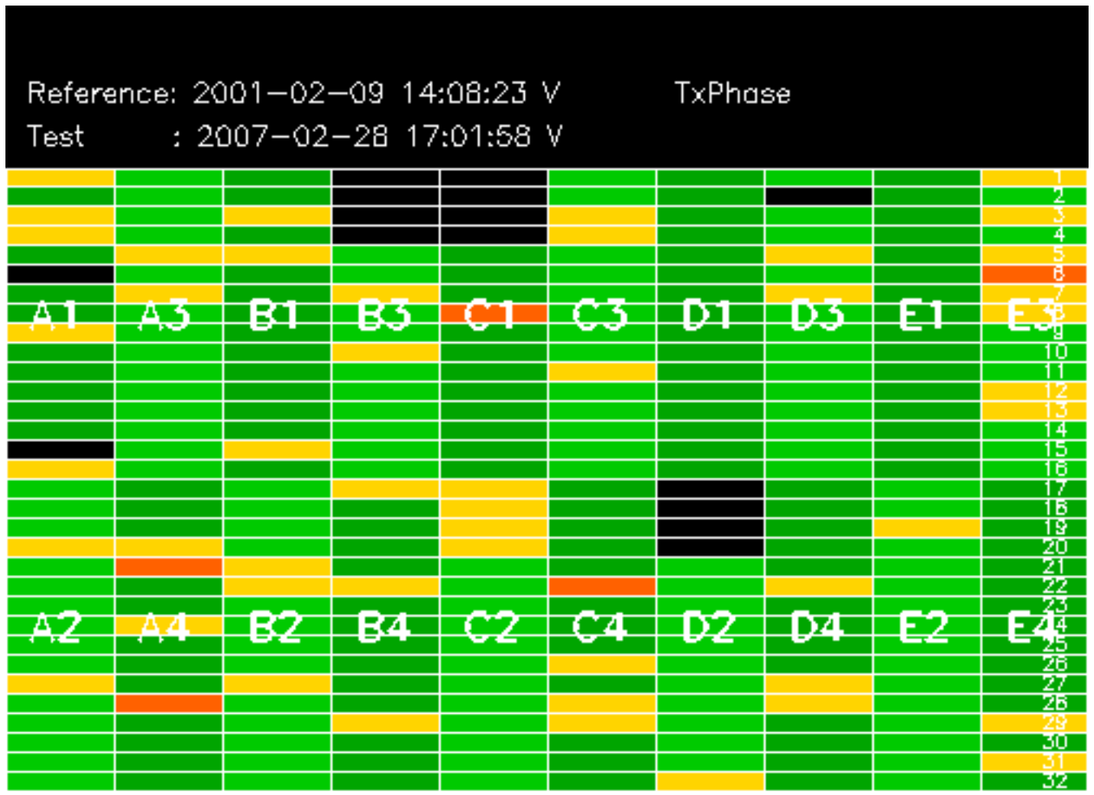
32


Reference: 2005-09-22 06:26:51 H
Test : 2007-03-01 06:26:45 H
TxPhase
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 : 2007-02-28 17:01:58 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
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9
10
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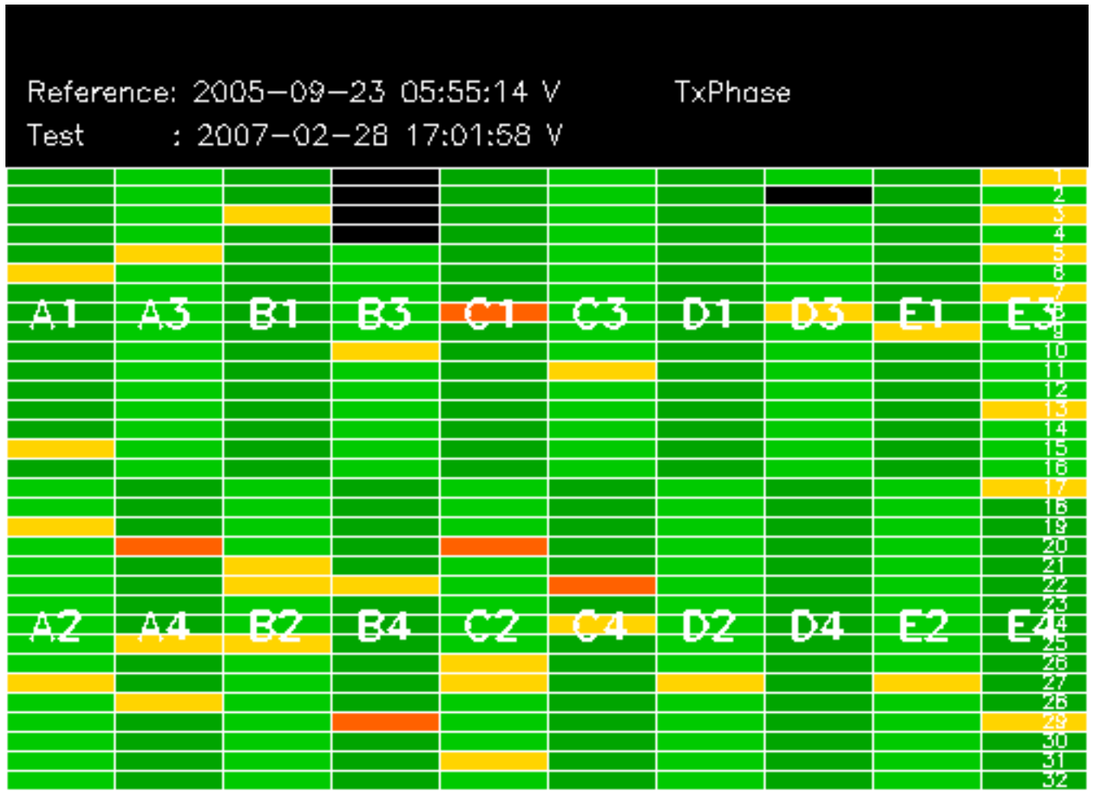
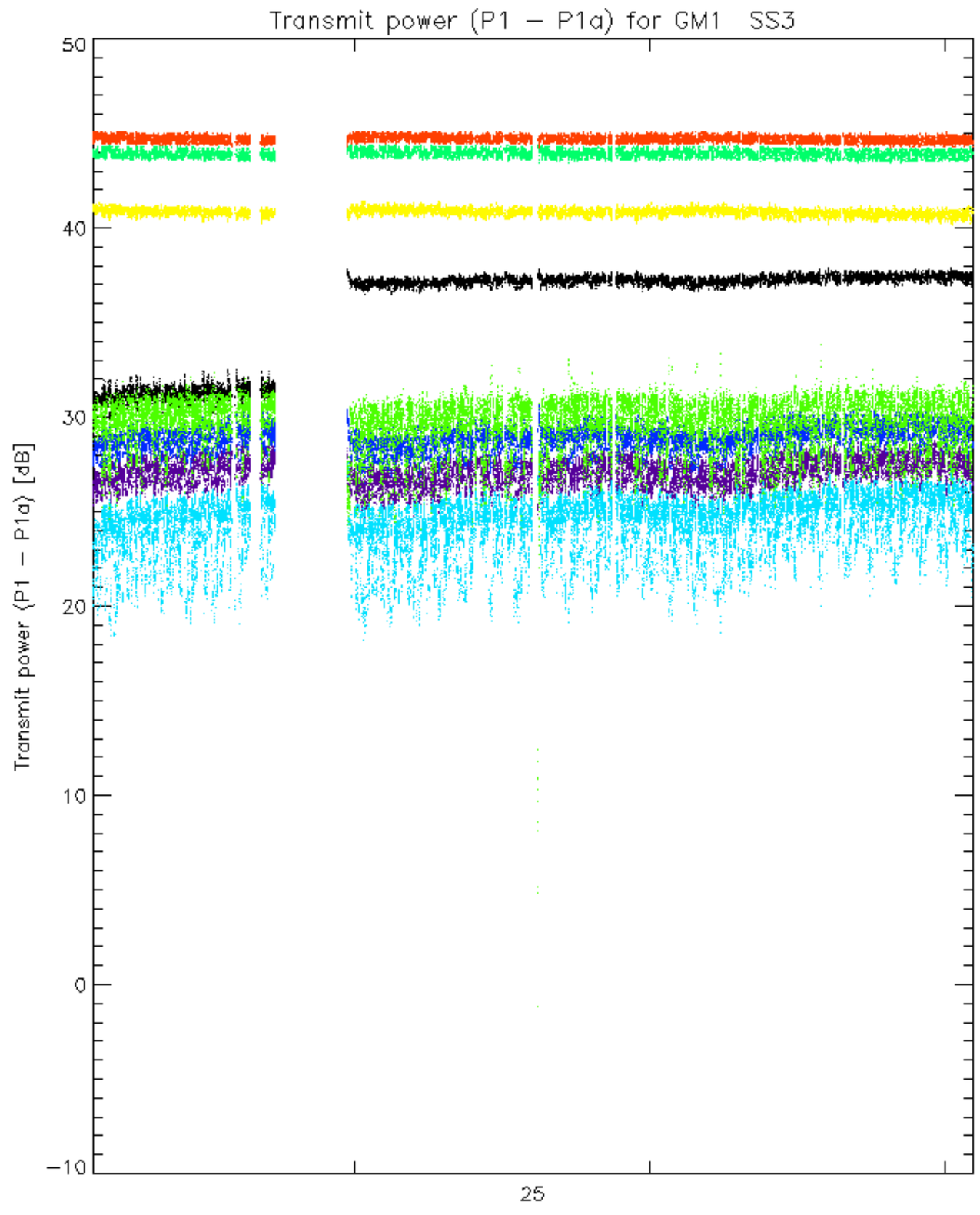
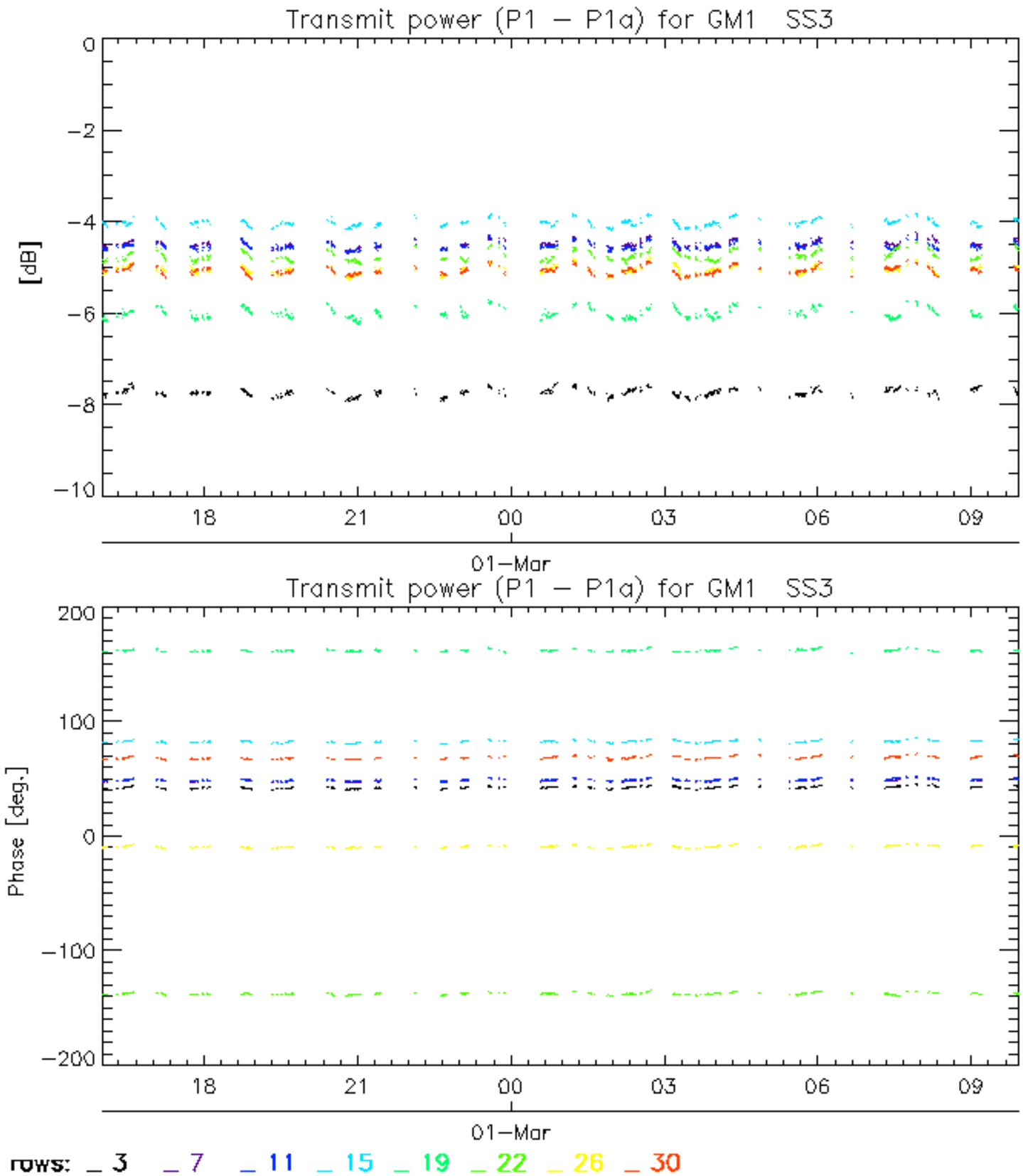
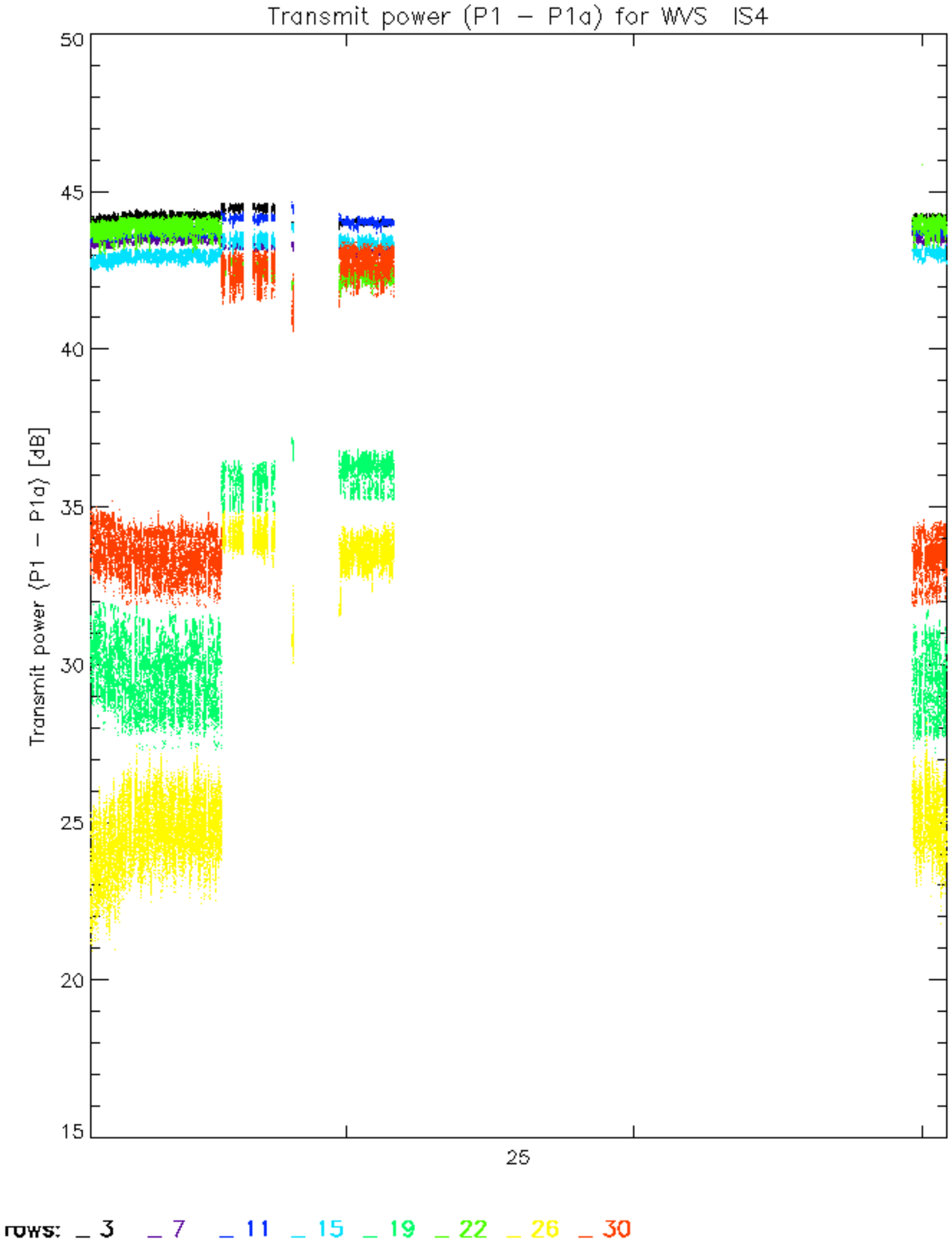
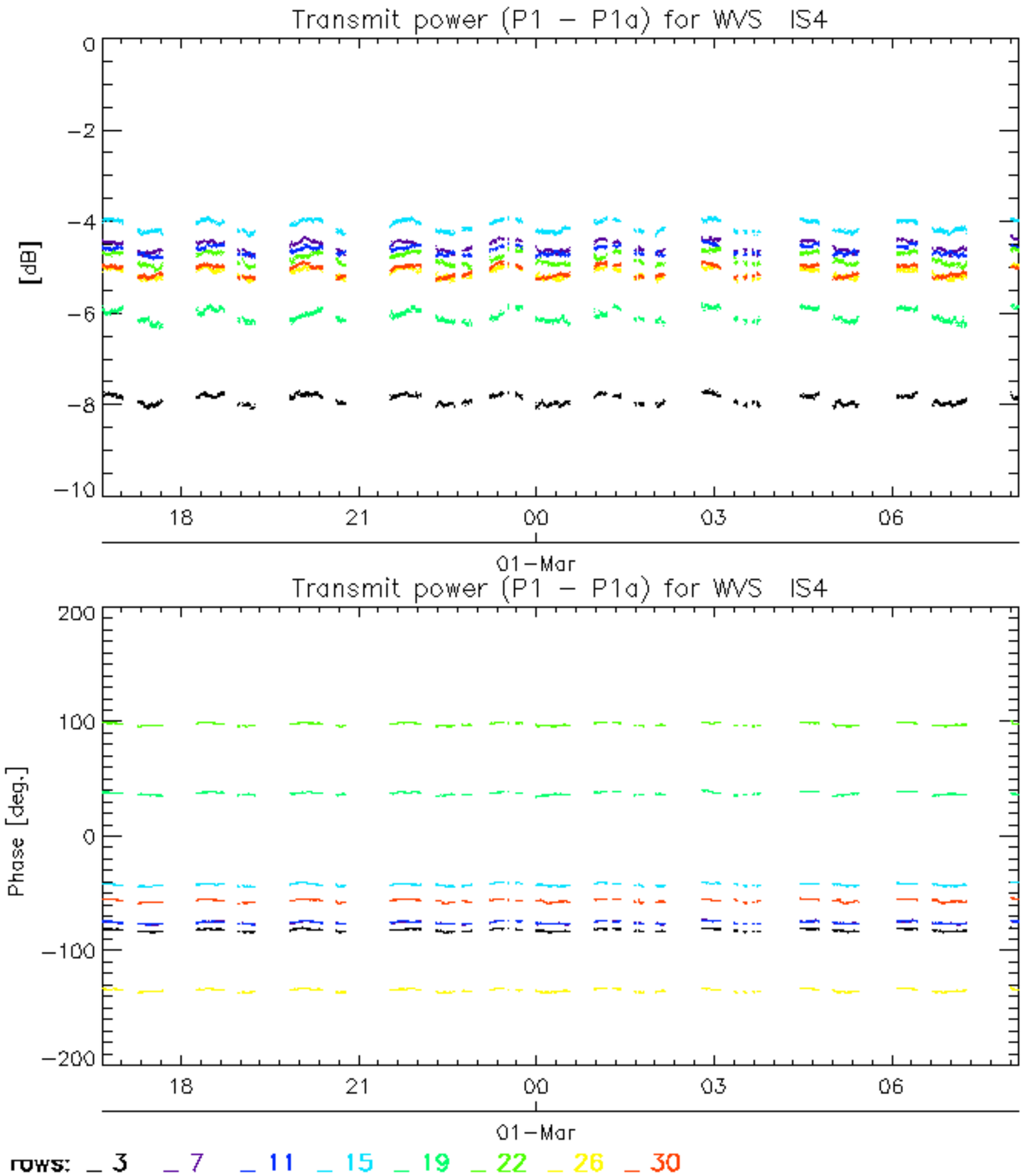

Reference: 2005-09-23 05:55:14 V
Test : 2007-02-28 17:01:58 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
25
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
09
01–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
09
01–Mar
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
Transmit power ⟨P1 – P1a⟩ [dB]
50
45
40
35
30
25
20
15
25
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
01−Mar
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
01−Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.