PRELIMINARY REPORT OF 060106

last update on Fri Jan 6 16:45:44 GMT 2006

1 - Introduction

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

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2006-01-05 00:00:00 to 2006-01-06 16:45:44

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	39	0	5	0	38
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	39	0	5	0	38
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	39	0	5	0	38
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	39	0	5	0	38

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	40	51	34	8	65
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	40	51	34	8	65
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	40	51	34	8	65
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	40	51	34	8	65

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	20060106 055503
H	20060105 062640

MSM in V/V polarisation

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

MSM in H/H polarisation

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

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS

P1a Cyclic statistics

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

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.834553	0.198217	-1.051704
7	P1	-2.837529	0.104640	-0.749213
11	P1	-4.130970	0.037337	0.105484
15	P1	-5.432524	1.354242	-2.969606
19	P1	-3.113099	0.054111	-0.570387
22	P1	-4.456456	0.023579	-0.163785
26	P1	-4.335168	0.052191	0.525944
30	P1	-5.694573	0.029673	-0.349982
3	P1	-16.198317	2.284231	-3.738326
7	P1	-15.755414	2.200854	-3.771310
11	P1	-16.412245	0.464012	-0.881243
15	P1	-12.899722	0.743176	-1.845959
19	P1	-13.594206	0.316207	-1.307997
22	P1	-15.950631	0.605213	-0.263710
26	P1	-15.307754	0.899636	-2.115862
30	P1	-15.927825	2.020411	-3.261224

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.741587	0.111935	0.329237
7	P2	-22.530653	0.104481	0.053379
11	P2	-16.437119	0.126598	0.396710
15	P2	-7.262522	0.106157	0.100455
19	P2	-9.205794	0.104100	0.026314
22	P2	-17.903868	0.109101	-0.179000
26	P2	-16.329279	0.128190	0.443361
30	P2	-19.749315	0.111309	0.349815

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.231486	0.007713	0.032613
7	P3	-8.231486	0.007713	0.032613
11	P3	-8.231486	0.007713	0.032613
15	P3	-8.231486	0.007713	0.032613
19	P3	-8.231486	0.007713	0.032613
22	P3	-8.231486	0.007713	0.032613
26	P3	-8.231486	0.007713	0.032613
30	P3	-8.231486	0.007713	0.032613

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1


P1a Cyclic statistics

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

P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-3.713176	0.008554	-0.030949
7	P1	-2.765827	0.007849	0.003176
11	P1	-2.874802	0.009727	0.011478
15	P1	-3.425556	0.017266	-0.063940
19	P1	-3.391238	0.014170	0.011447
22	P1	-5.123011	0.019678	0.001566
26	P1	-5.853844	0.015630	-0.018341
30	P1	-5.273859	0.033110	0.042589
3	P1	-11.493035	0.039003	-0.053188
7	P1	-9.959022	0.048222	0.070812
11	P1	-10.058314	0.056219	-0.035100
15	P1	-10.570426	0.072840	-0.108836
19	P1	-15.515166	0.072044	0.055597
22	P1	-20.892773	0.982750	0.555656
26	P1	-17.081720	0.302221	0.444645
30	P1	-18.167562	0.281358	0.116060

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.561914	0.031024	0.198173
7	P2	-23.015961	0.057265	0.221871
11	P2	-11.542815	0.020644	0.202379
15	P2	-4.980656	0.022249	0.094658
19	P2	-6.966725	0.022263	0.067699
22	P2	-8.211300	0.022269	0.006271
26	P2	-24.035910	0.030260	0.118775
30	P2	-22.131794	0.017836	0.044399

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.074819	0.002539	0.025109
7	P3	-8.074980	0.002541	0.025540
11	P3	-8.075060	0.002523	0.025103
15	P3	-8.074949	0.002519	0.025232
19	P3	-8.075027	0.002539	0.025436
22	P3	-8.074861	0.002525	0.025591
26	P3	-8.074843	0.002511	0.025912
30	P3	-8.074802	0.002527	0.024769

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	0.000484677
	stdev	2.09415e-07
MEAN Q	mean	0.000481362
	stdev	2.32733e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.131748
	stdev	0.00117860
STDEV Q	mean	0.132054
	stdev	0.00119340

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2006010[456]
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_1PNPDE20060104_004520_000001852044_00016_20110_5463.N1	1	0
ASA_IMM_1PNPDE20060104_155357_000000402044_00025_20119_5538.N1	1	0
ASA_IMM_1PNPDE20060106_054348_000000372044_00048_20142_5727.N1	1	0
ASA_WSM_1PNPDE20060105_010633_000002812044_00031_20125_7017.N1	0	44

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler

Acsending

Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

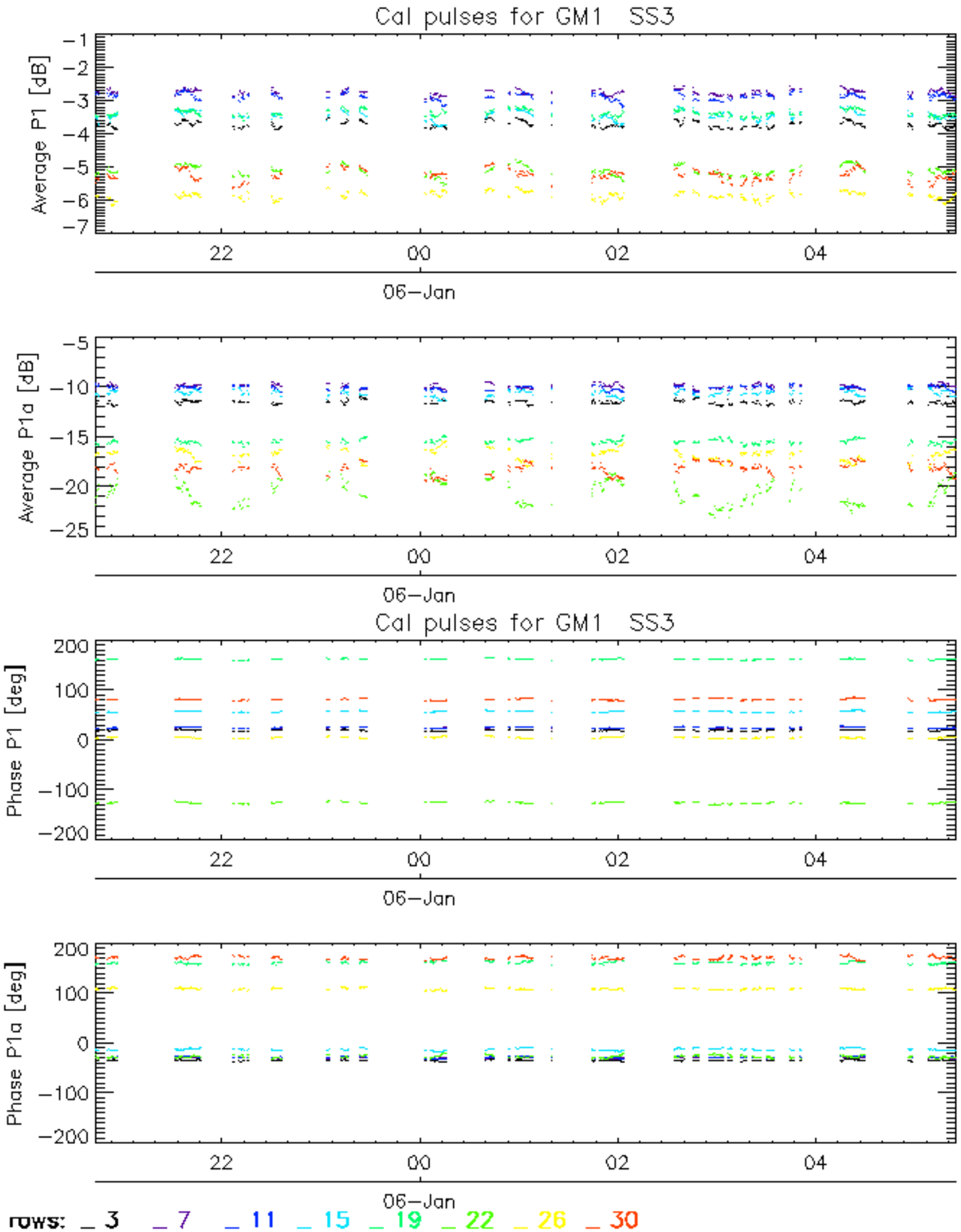
Descending

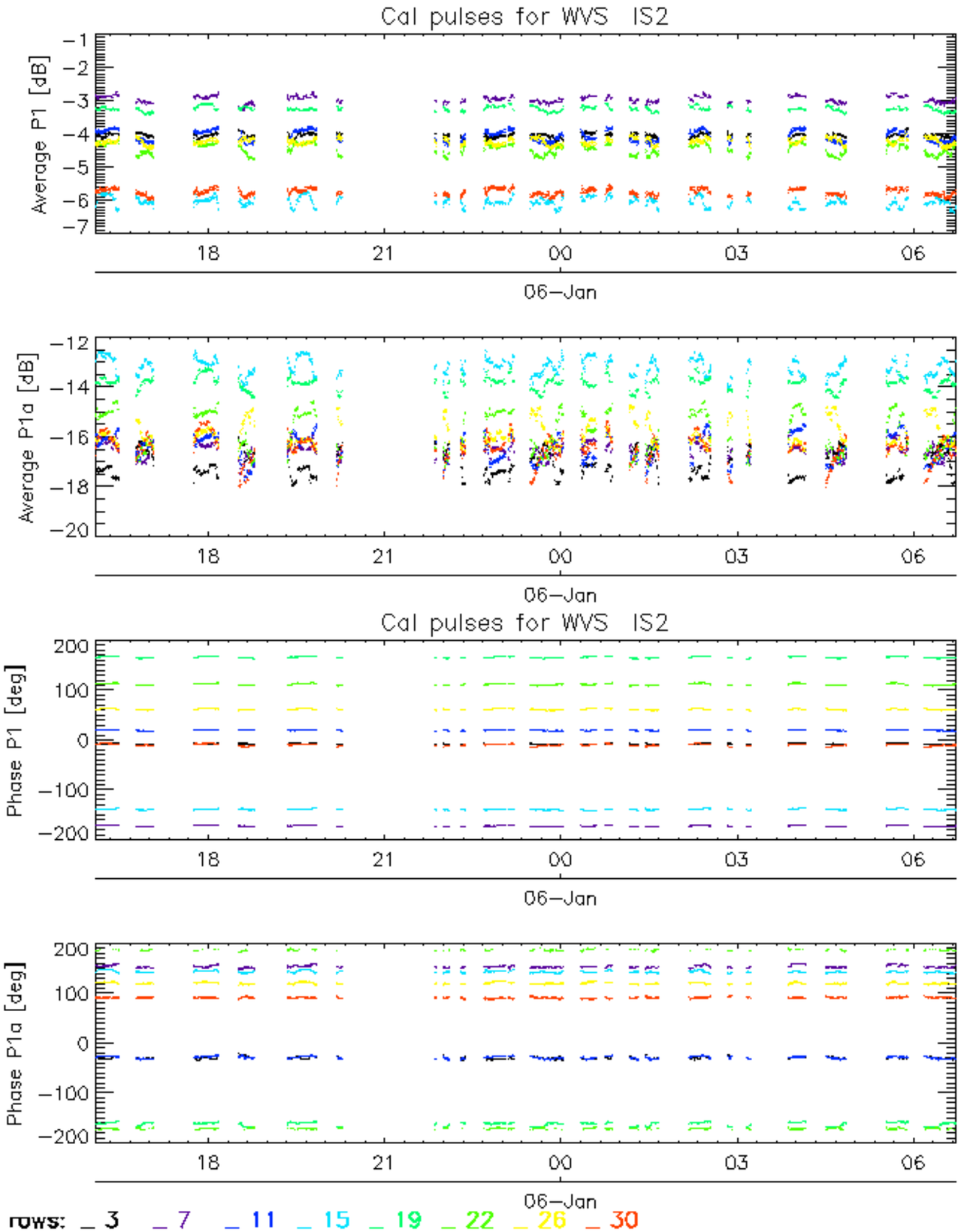
7.5 - Absolute Doppler for GM1

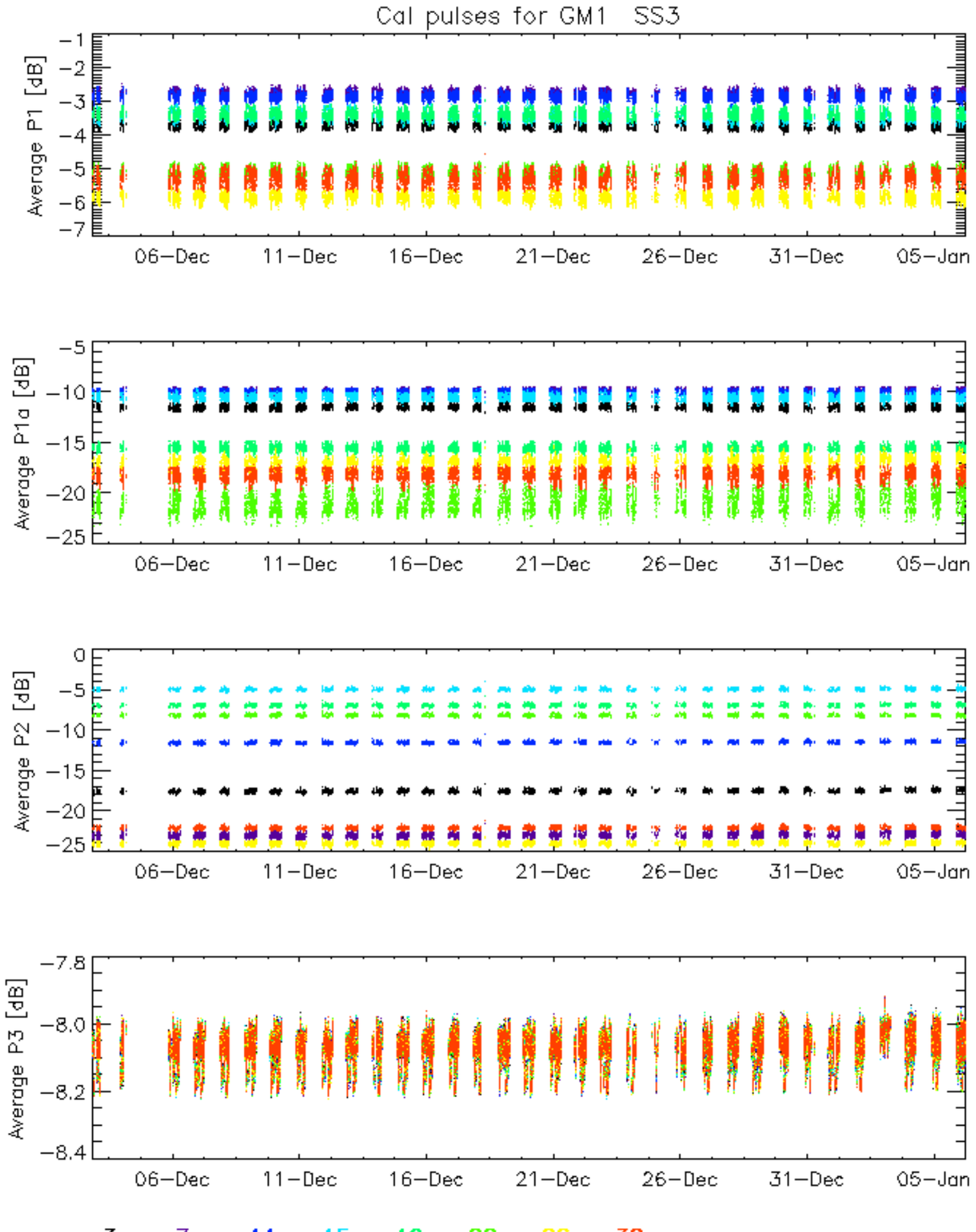
Evolution of Absolute Doppler
Acsending
Descending

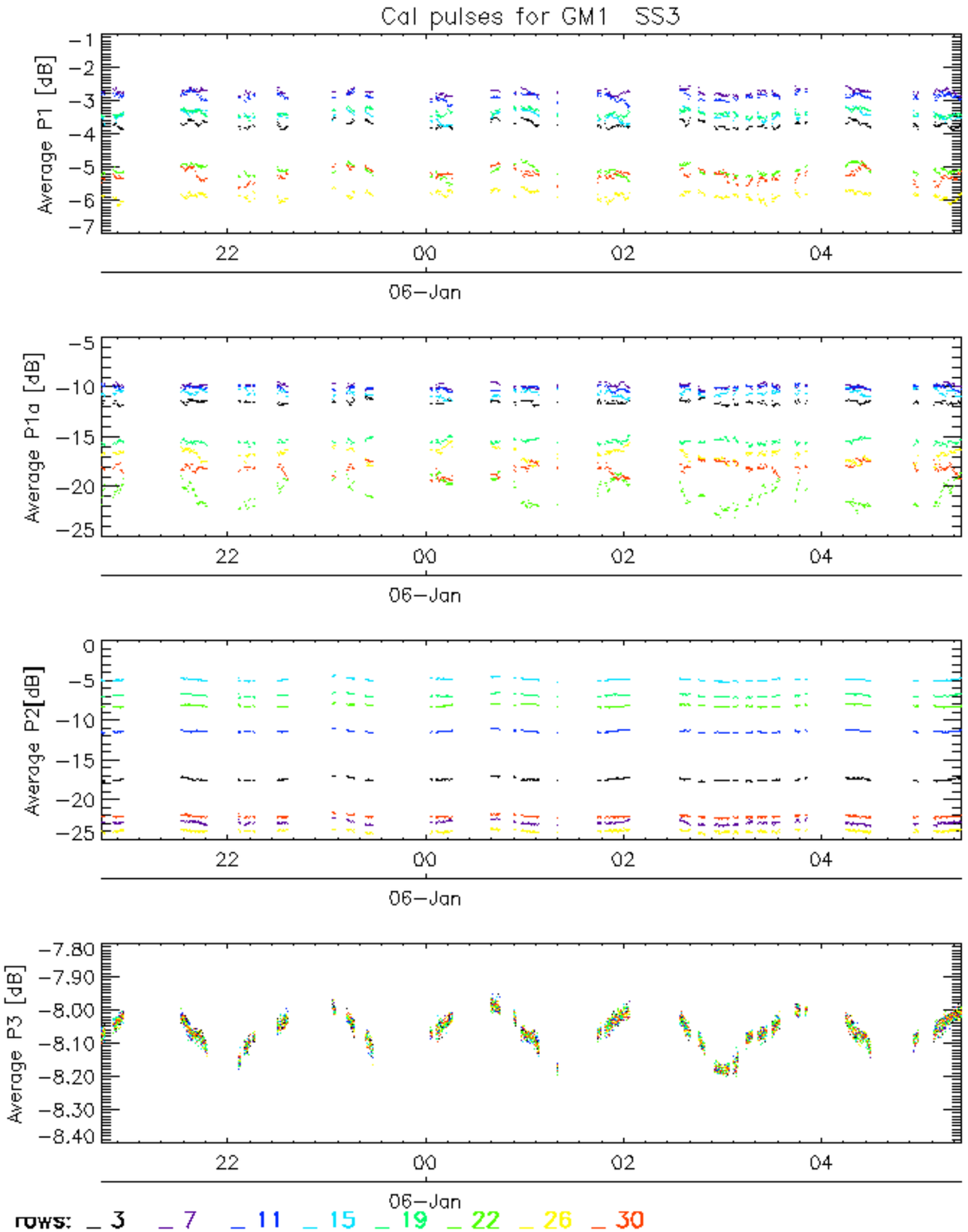
7.6 - Doppler evolution versus ANX for GM1

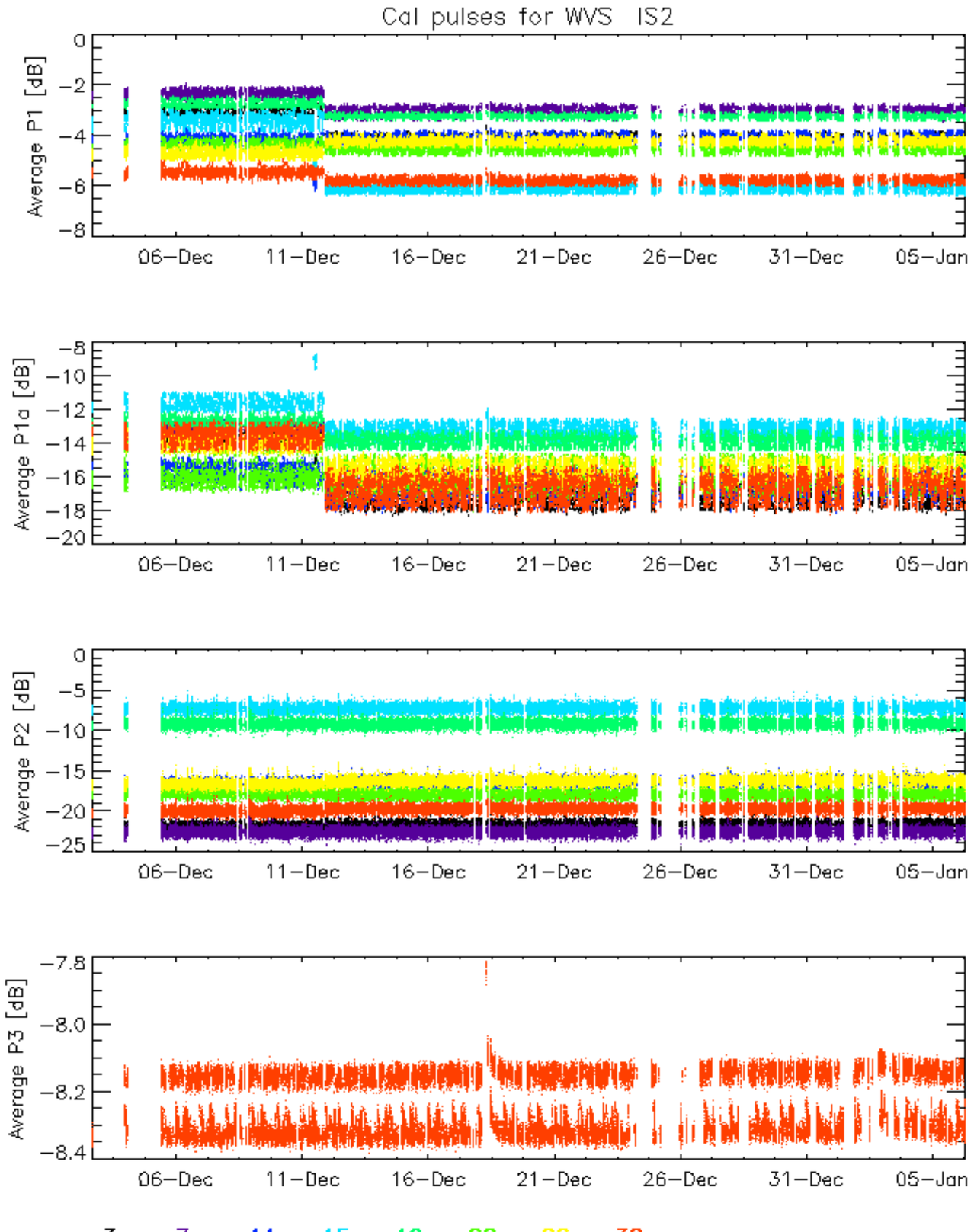
Evolution Doppler error versus ANX

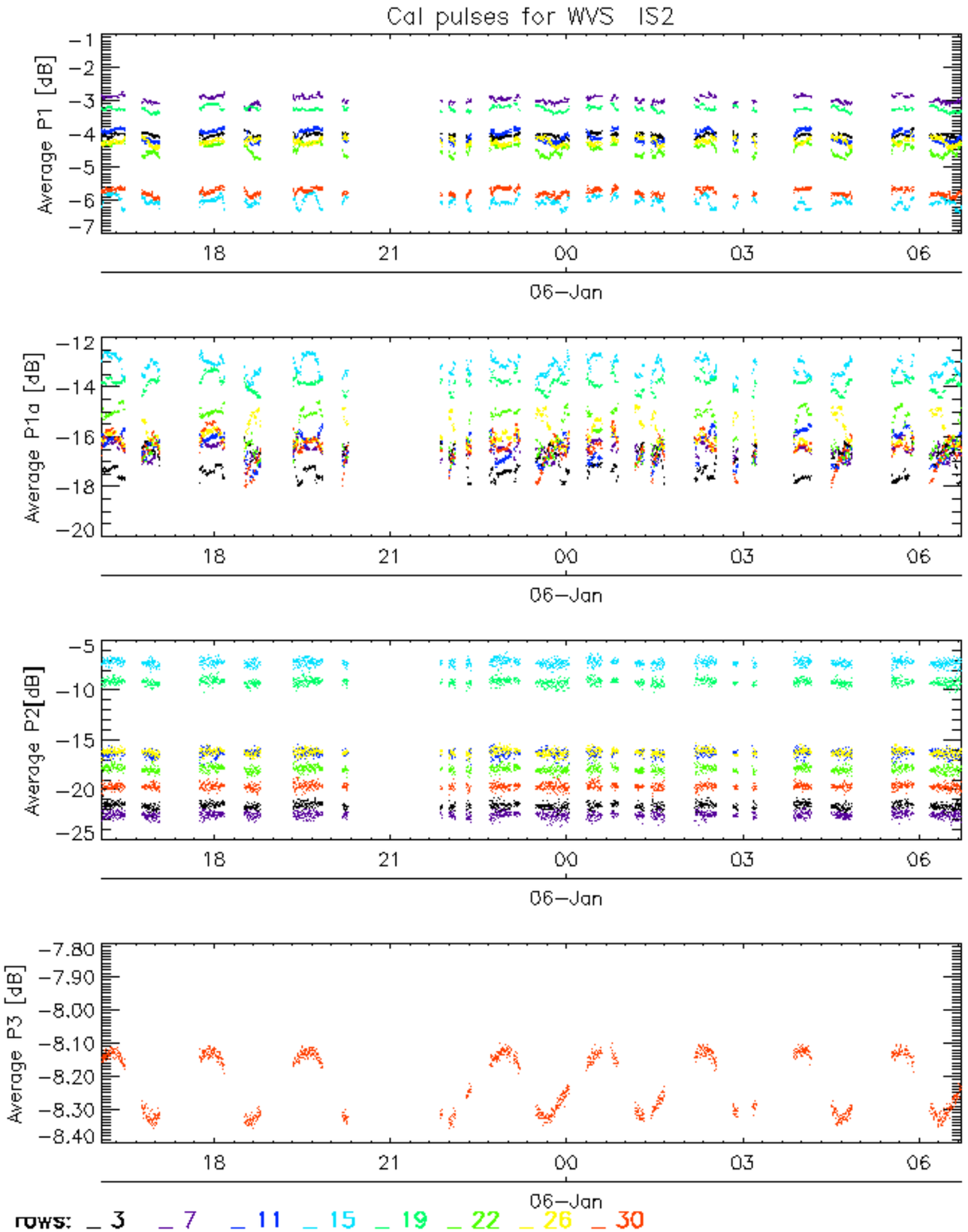

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
22
00
02
04
06−Jan
Phase P1a [deg]
200
100
0
−100
−200
22
00
02
04
06−Jan
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

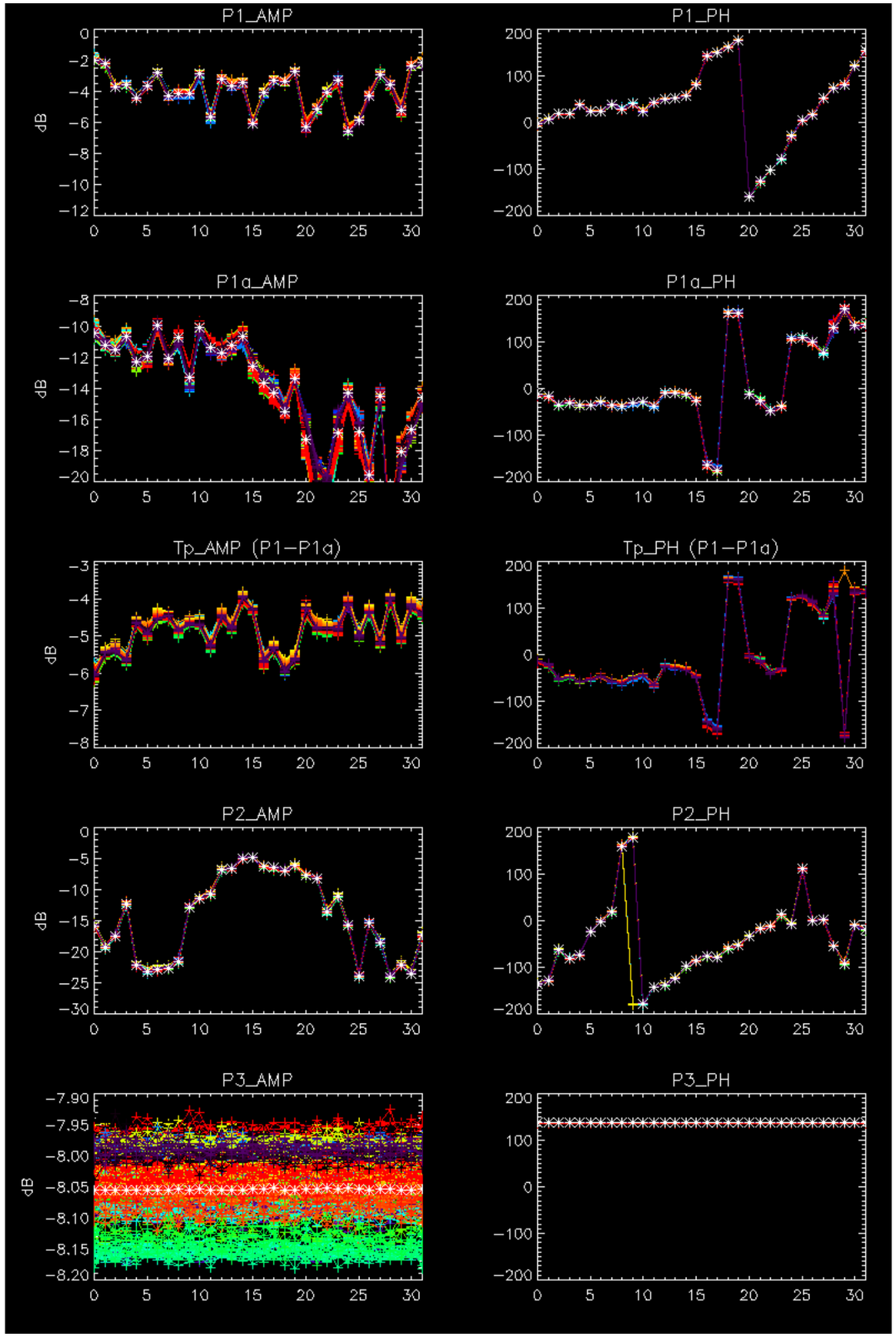

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

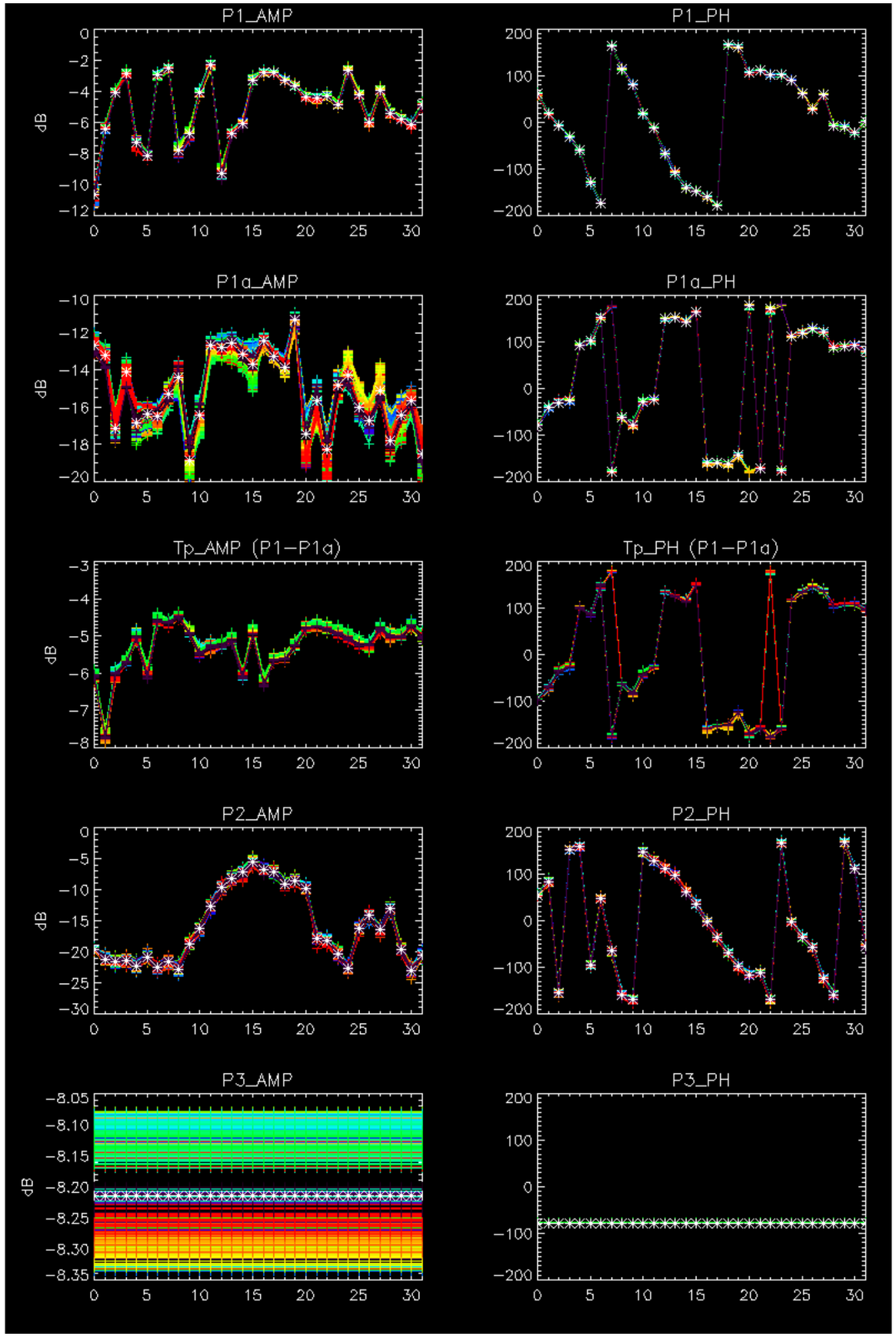

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
22
00
02
04
06−Jan
Average P1a [dB]
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Average P2[dB]
0
−5
−10
−15
−20
−25
22
00
02
04
06−Jan
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
22
00
02
04
06−Jan
rows: 3 7 11 15 19 22 26 30


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


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

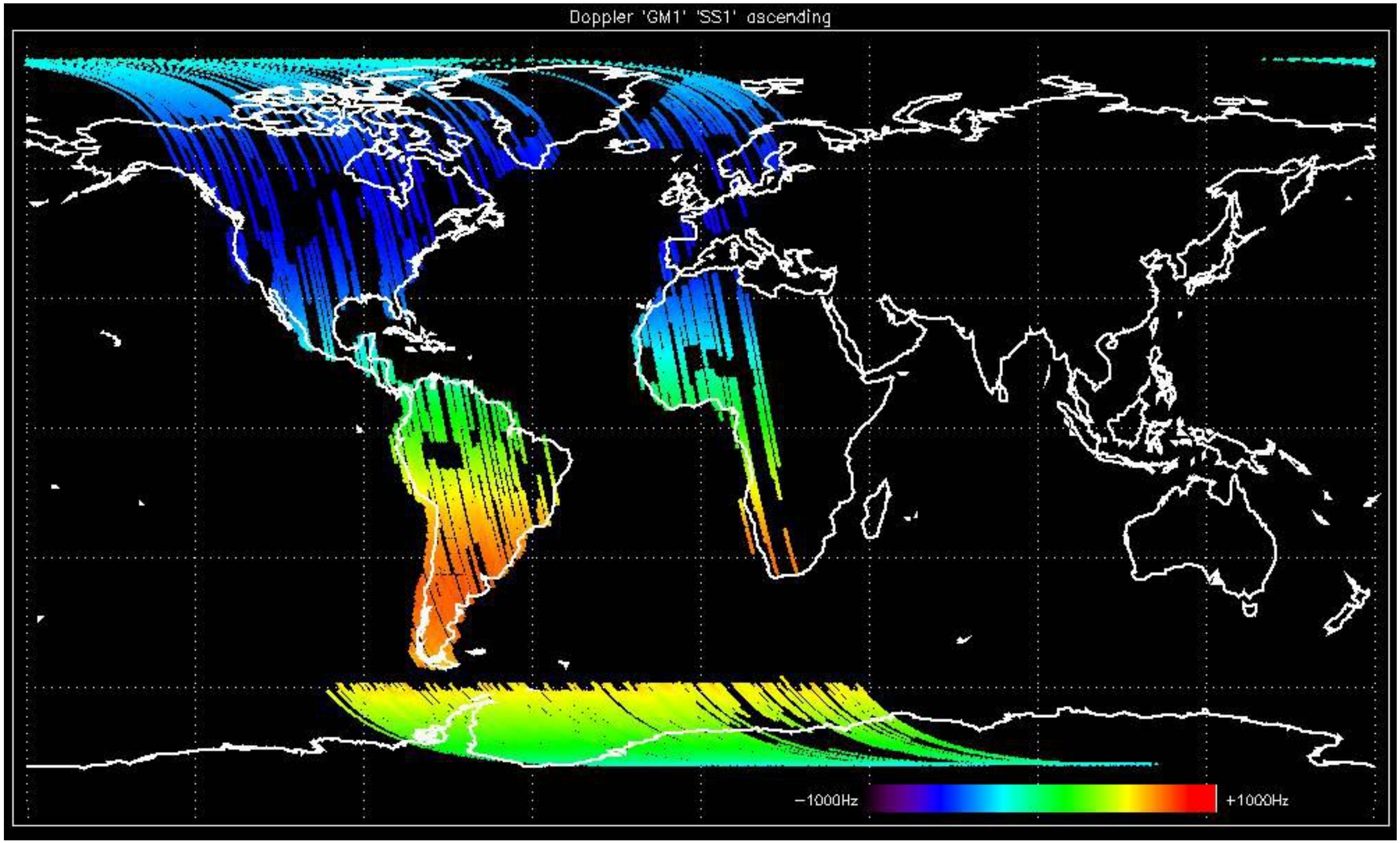
No anomalies observed.

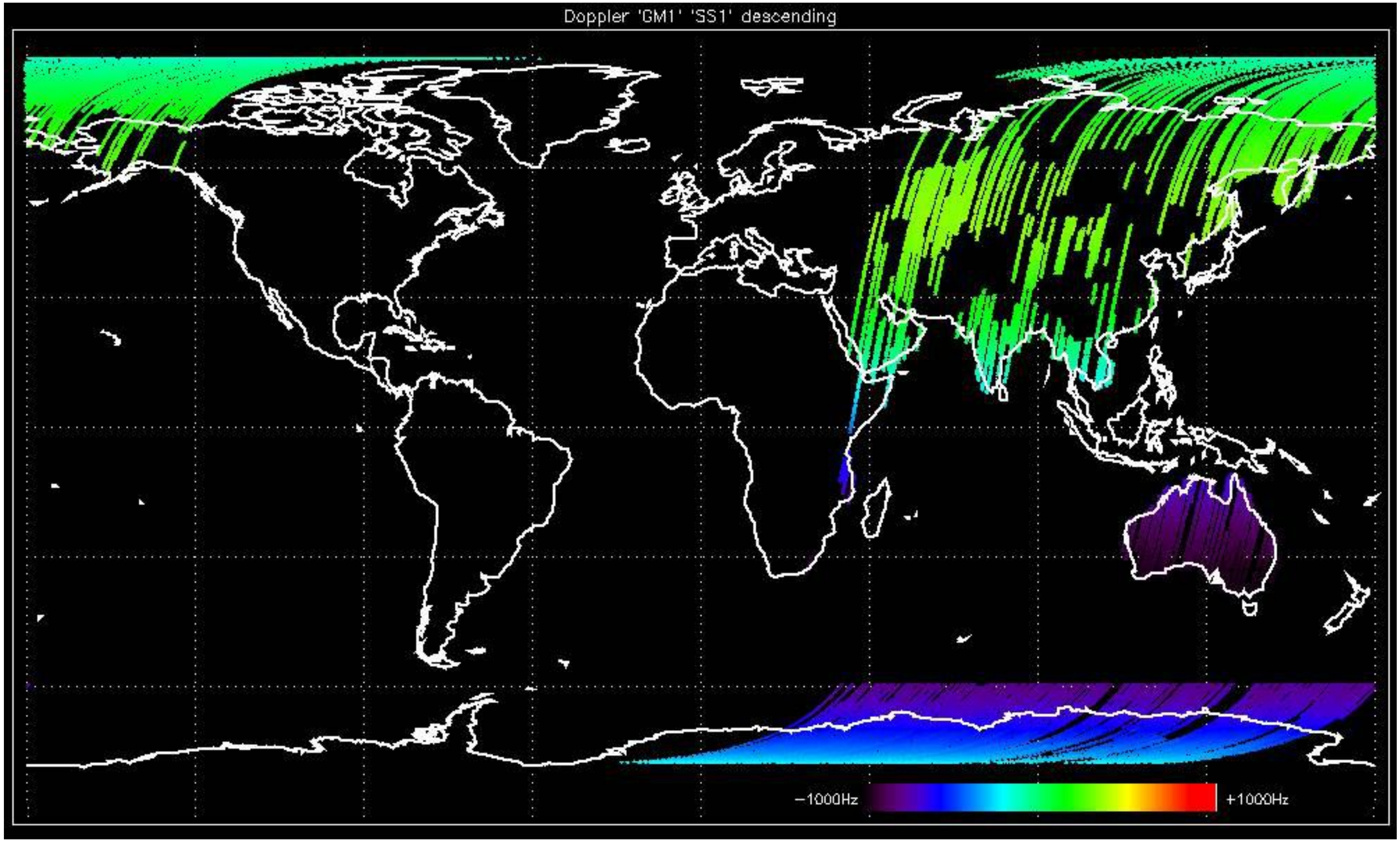

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

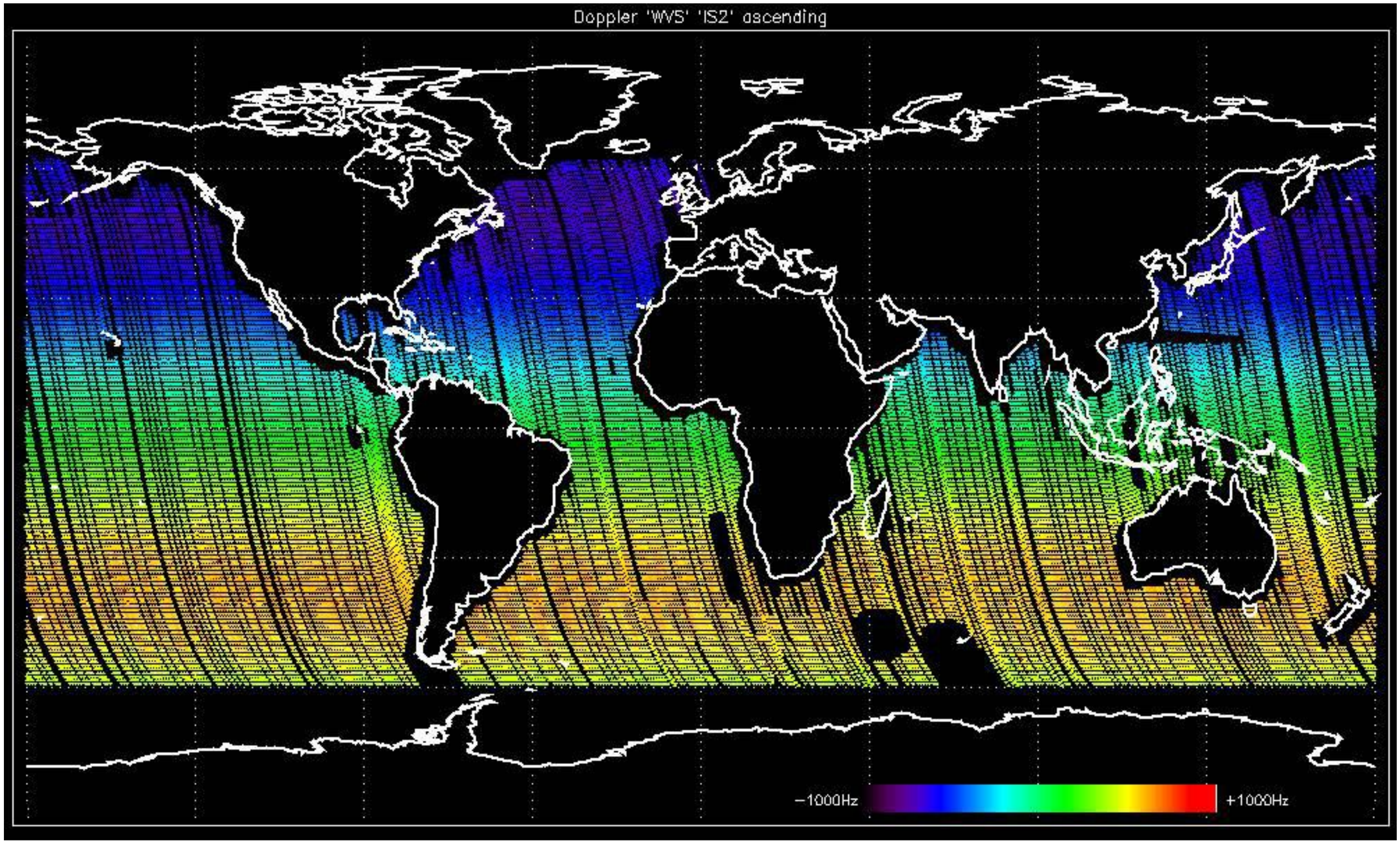

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

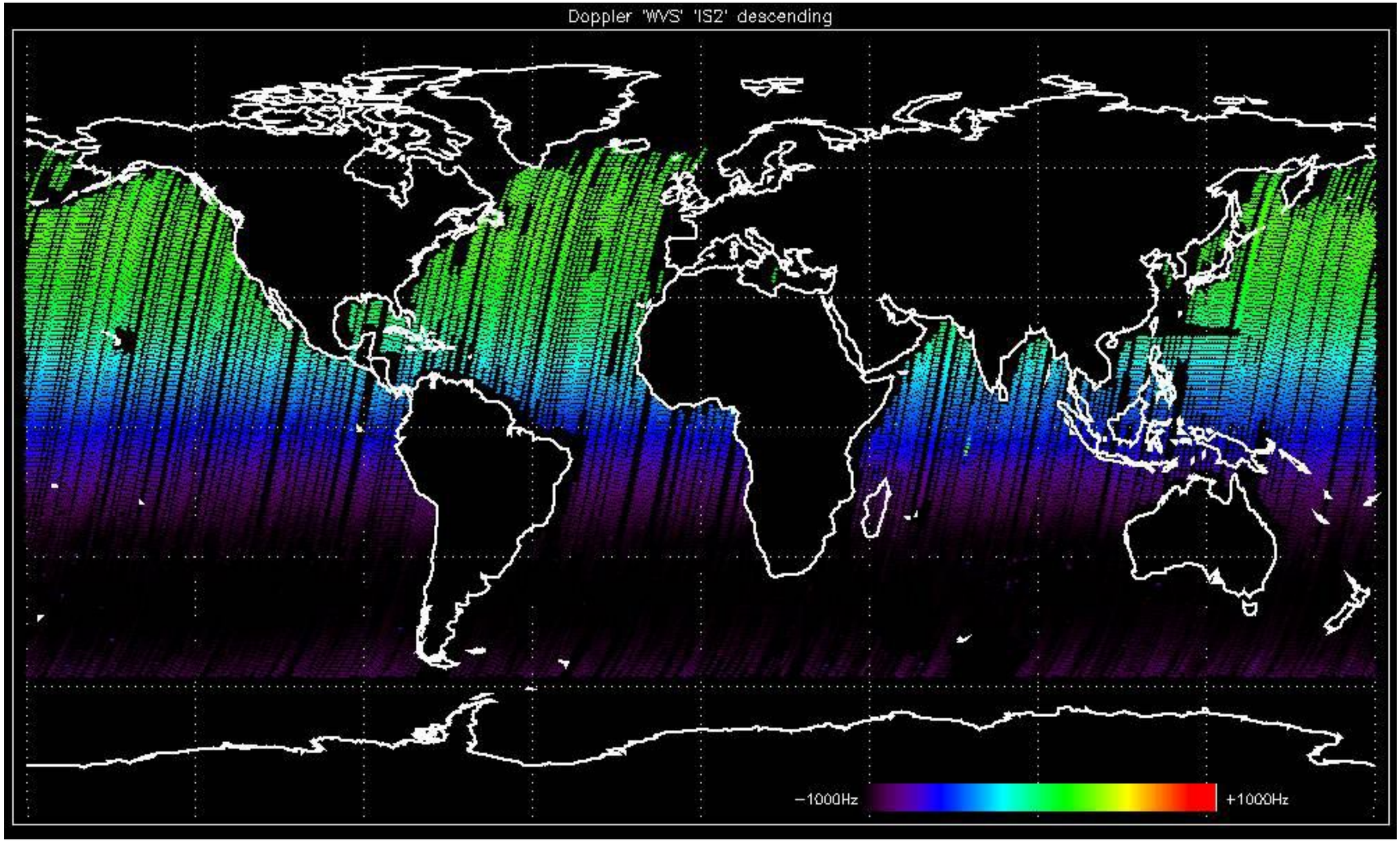
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

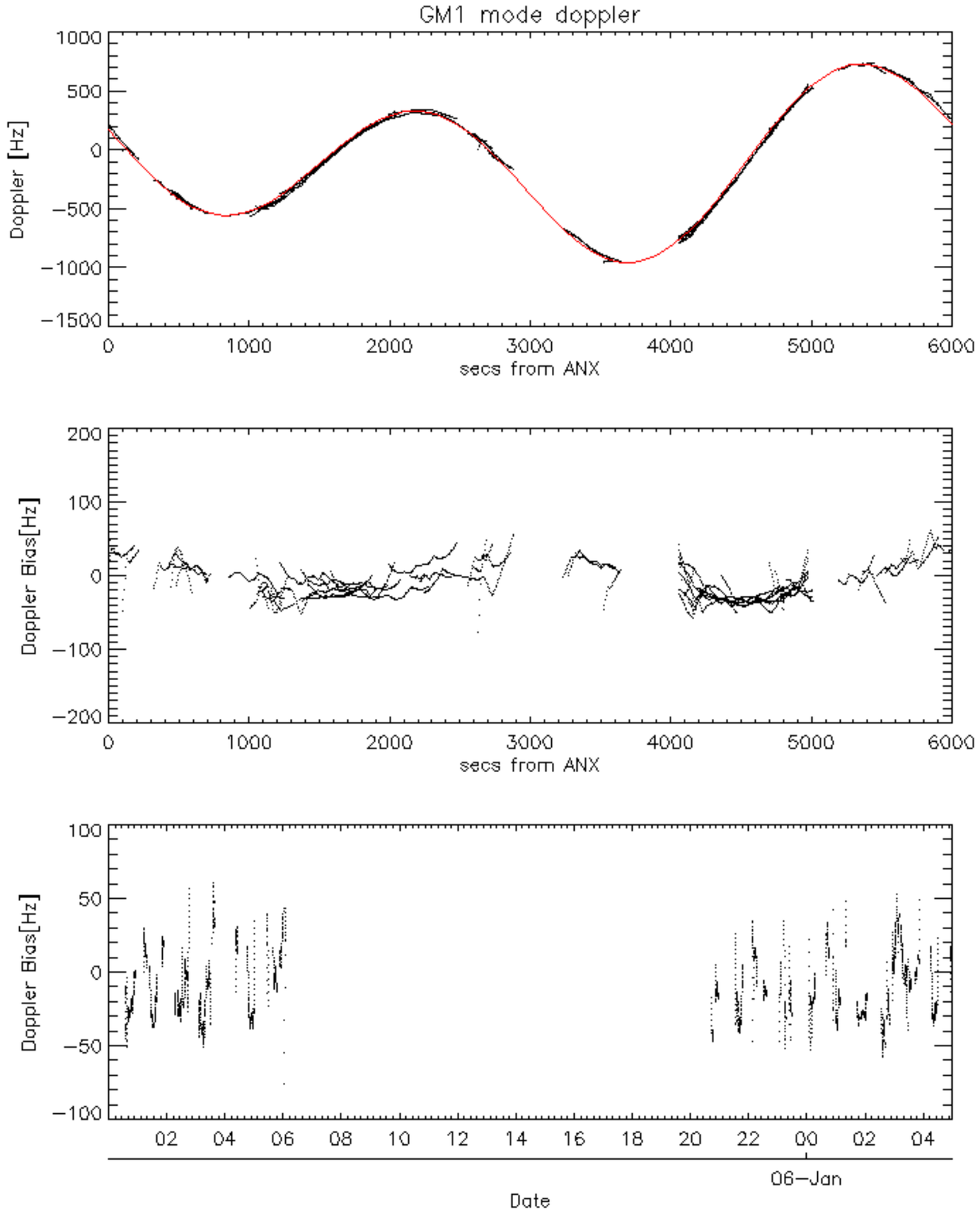
Preliminary report.The data is not yet controled

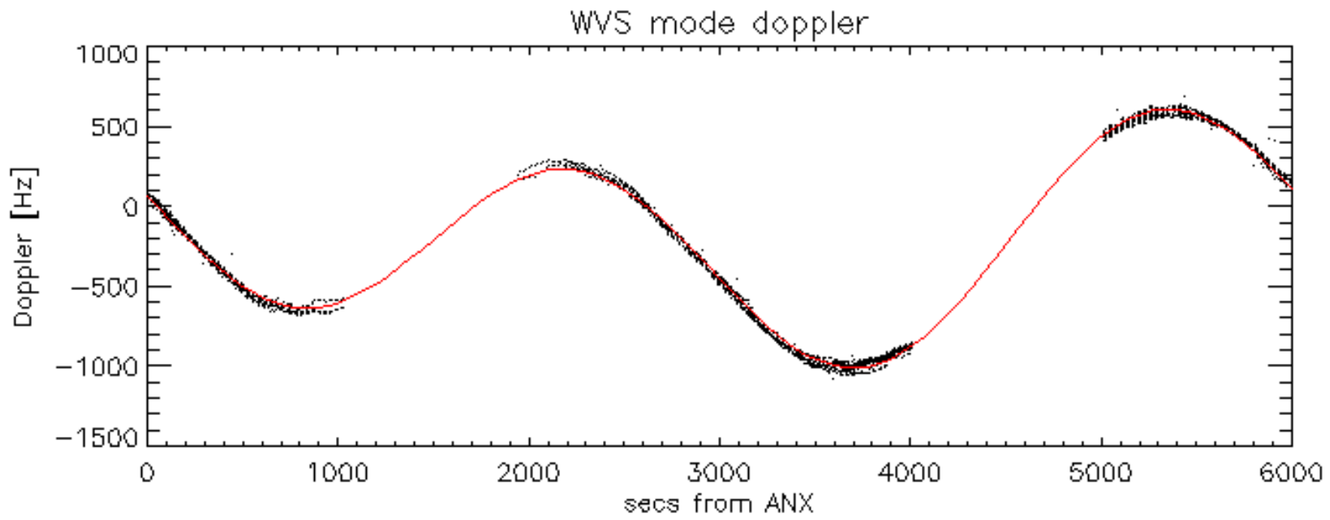

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

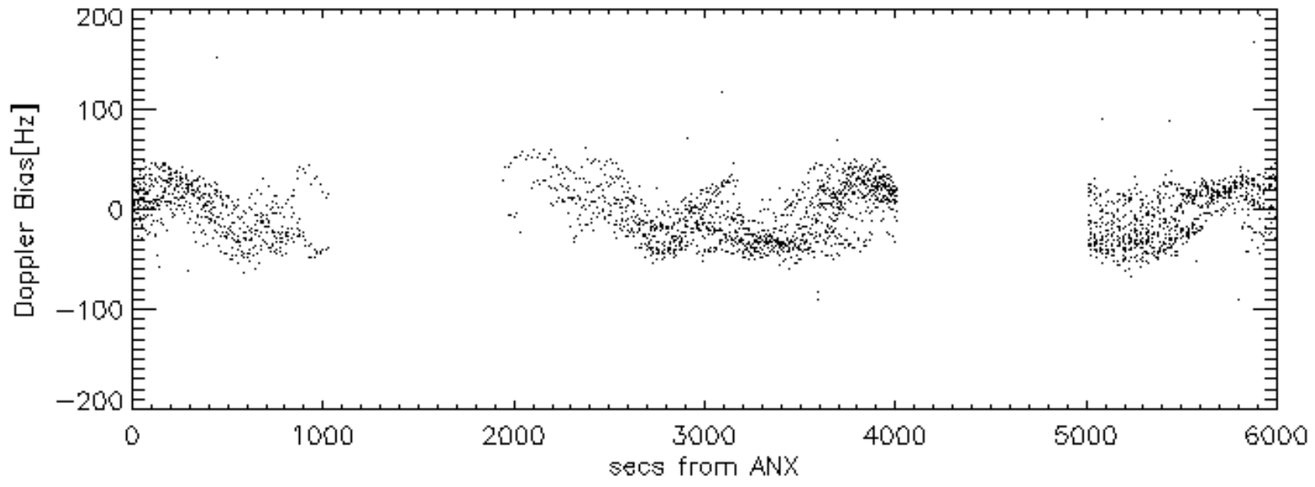

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

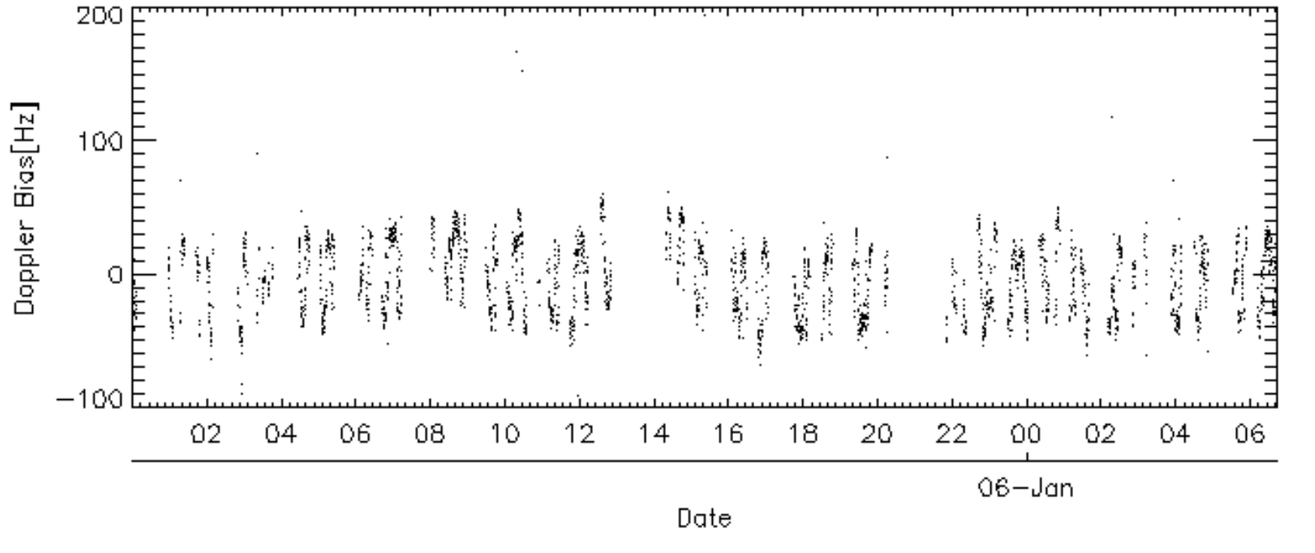

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

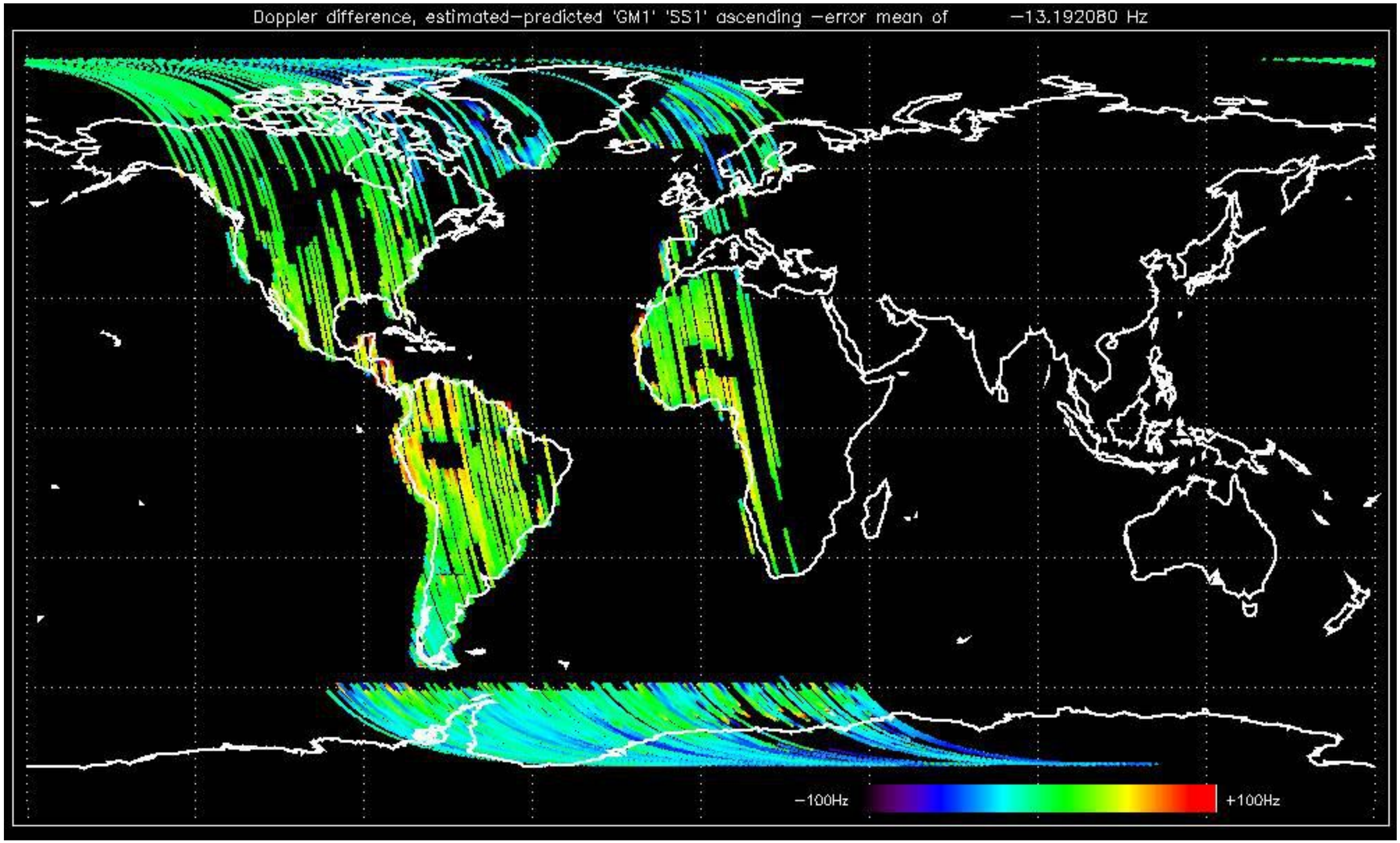

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

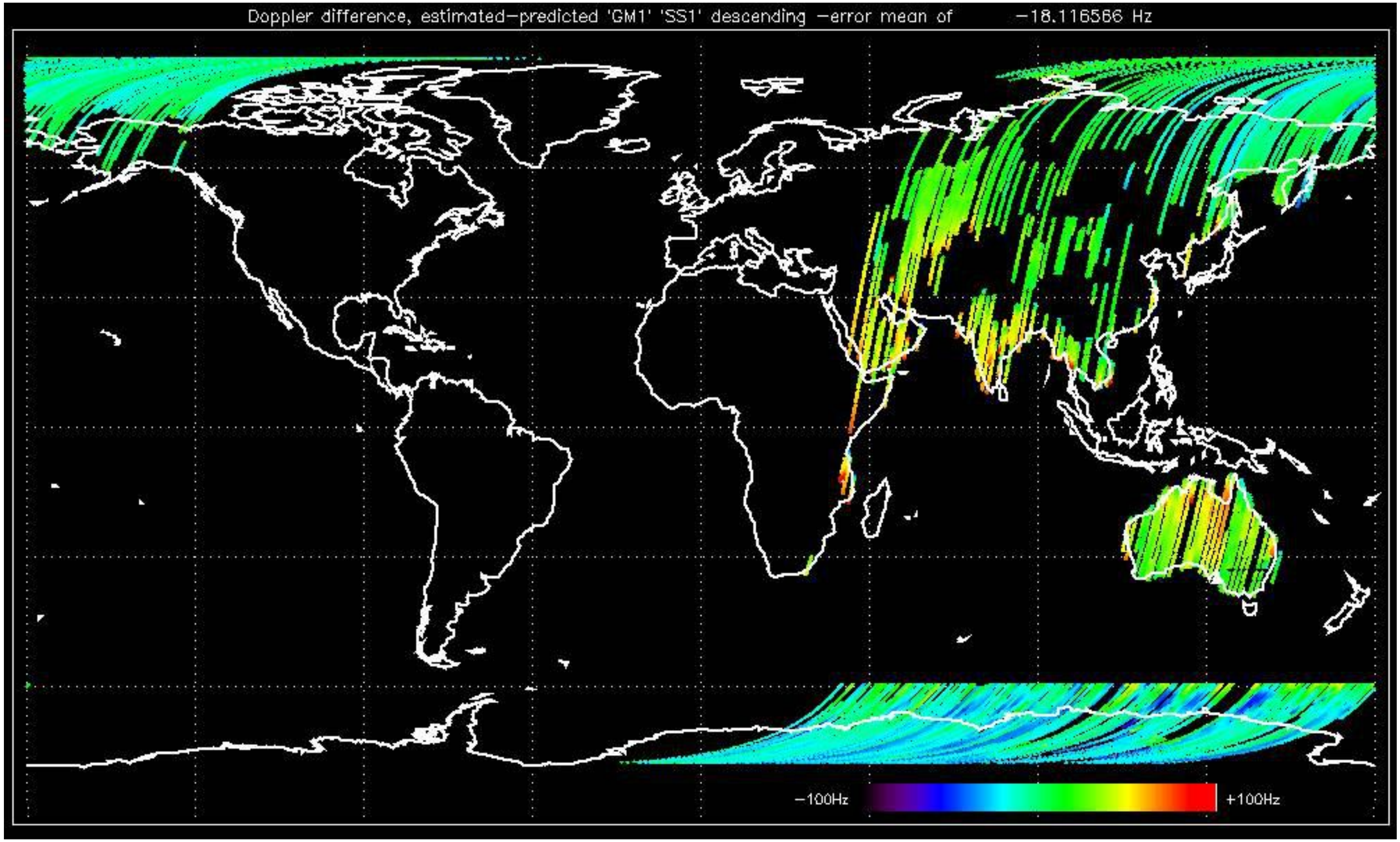

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06−Jan
Date

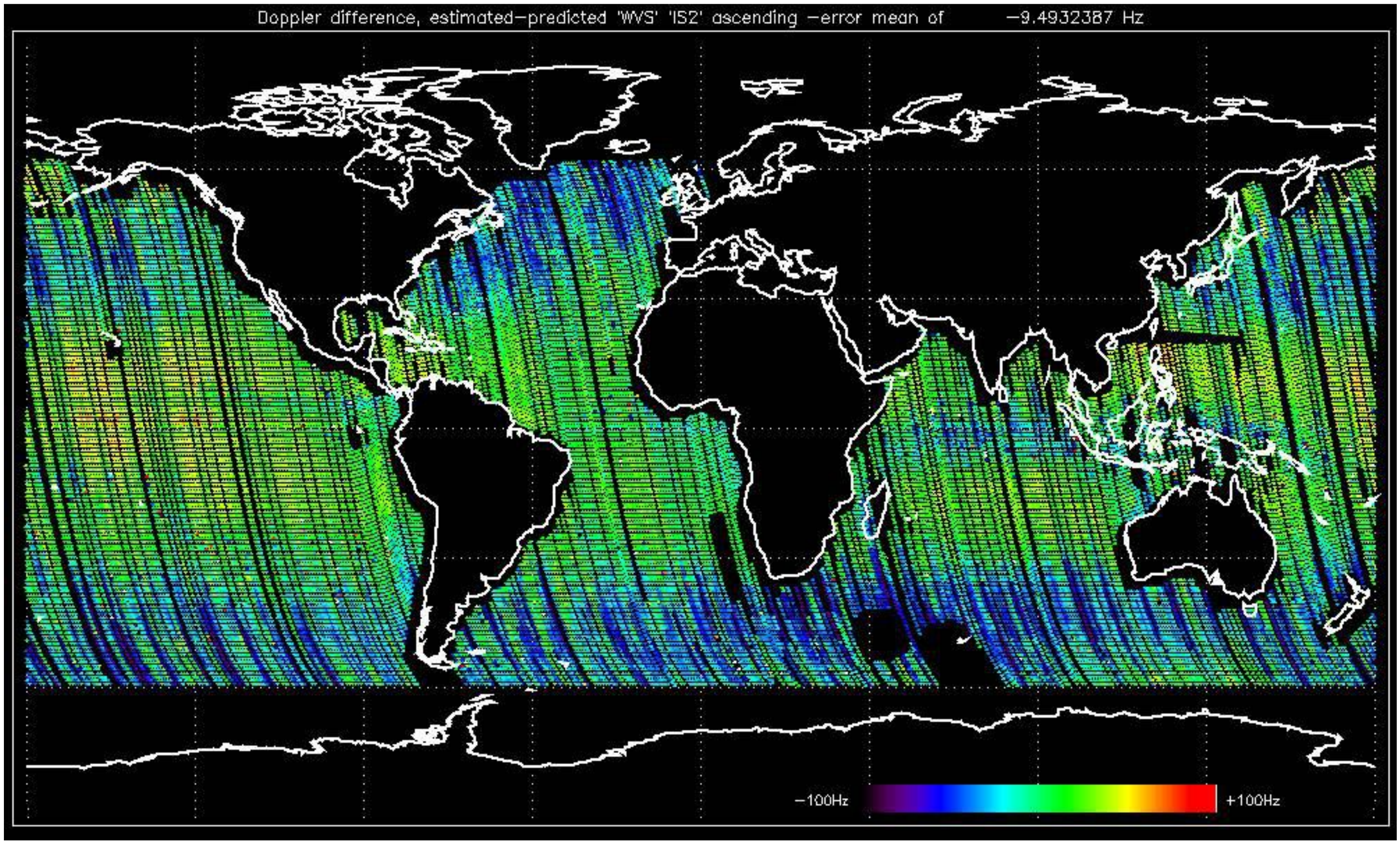

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

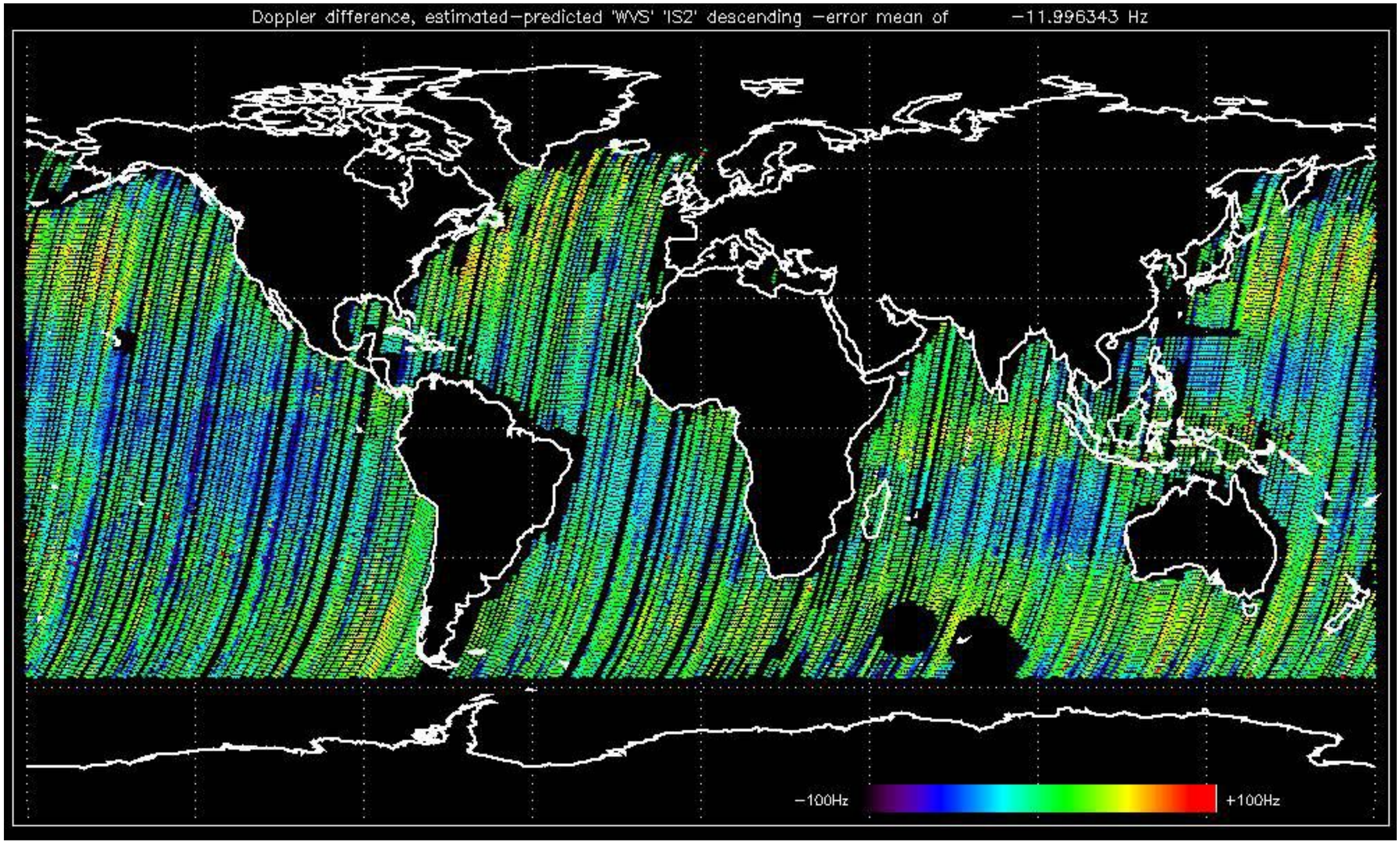

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


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


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −13.192080 Hz
−100Hz
+100Hz

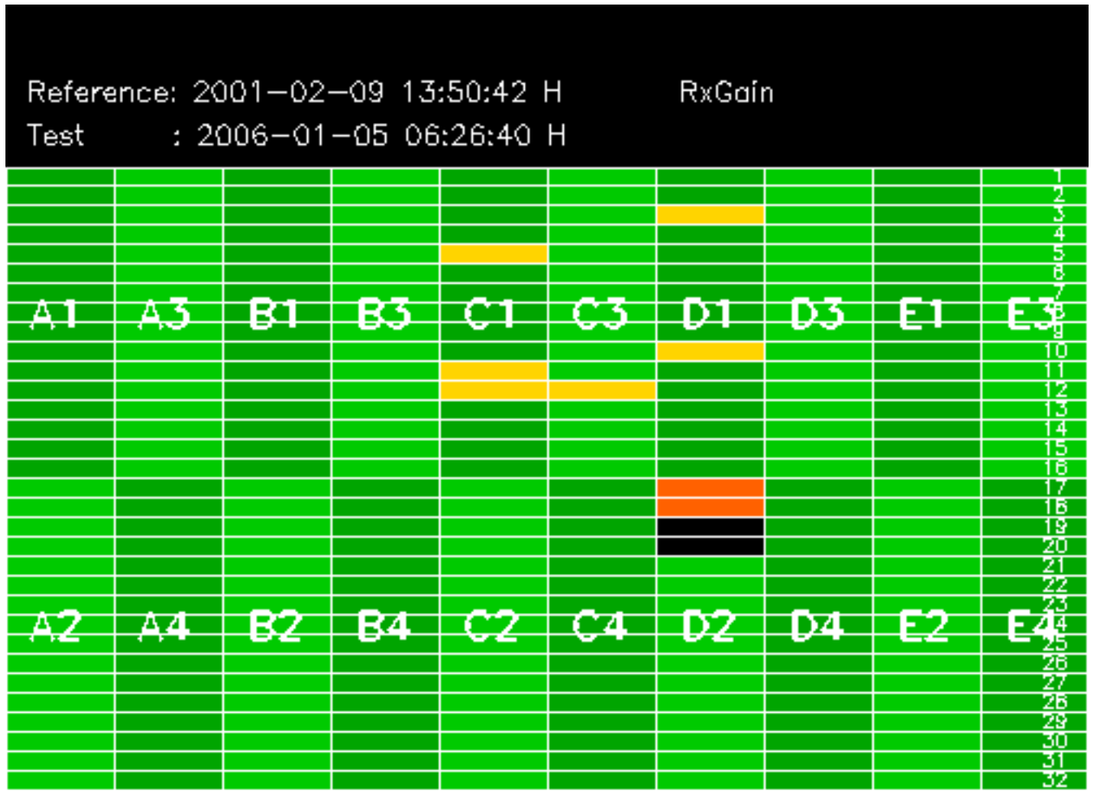

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −18.116566 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −9.4932387 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −11.996343 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2006-01-05 06:26:40 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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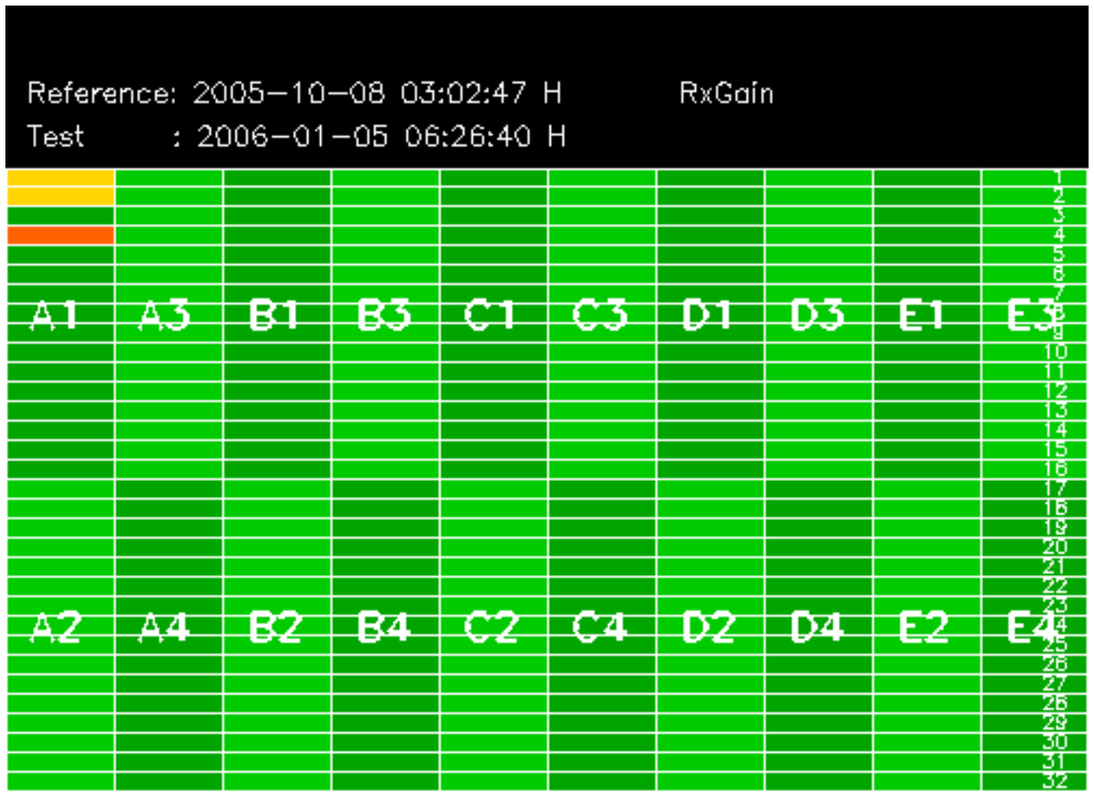
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-05 06:26:40 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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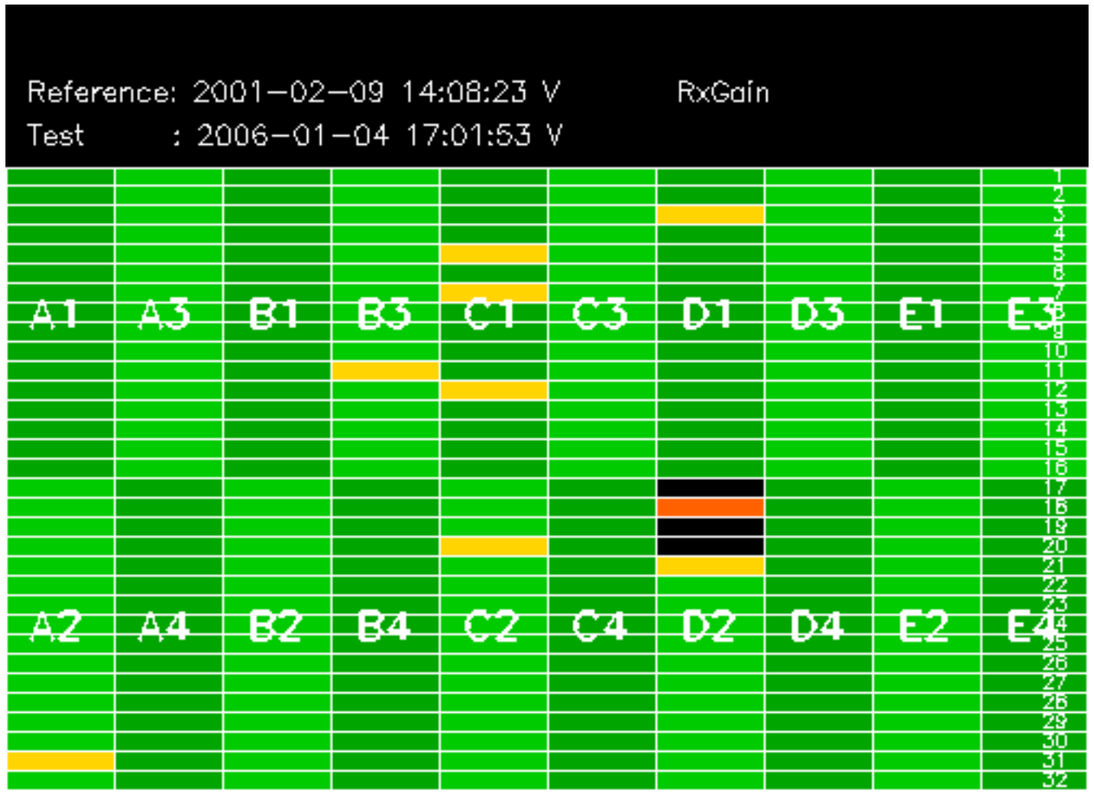
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-04 17:01:53 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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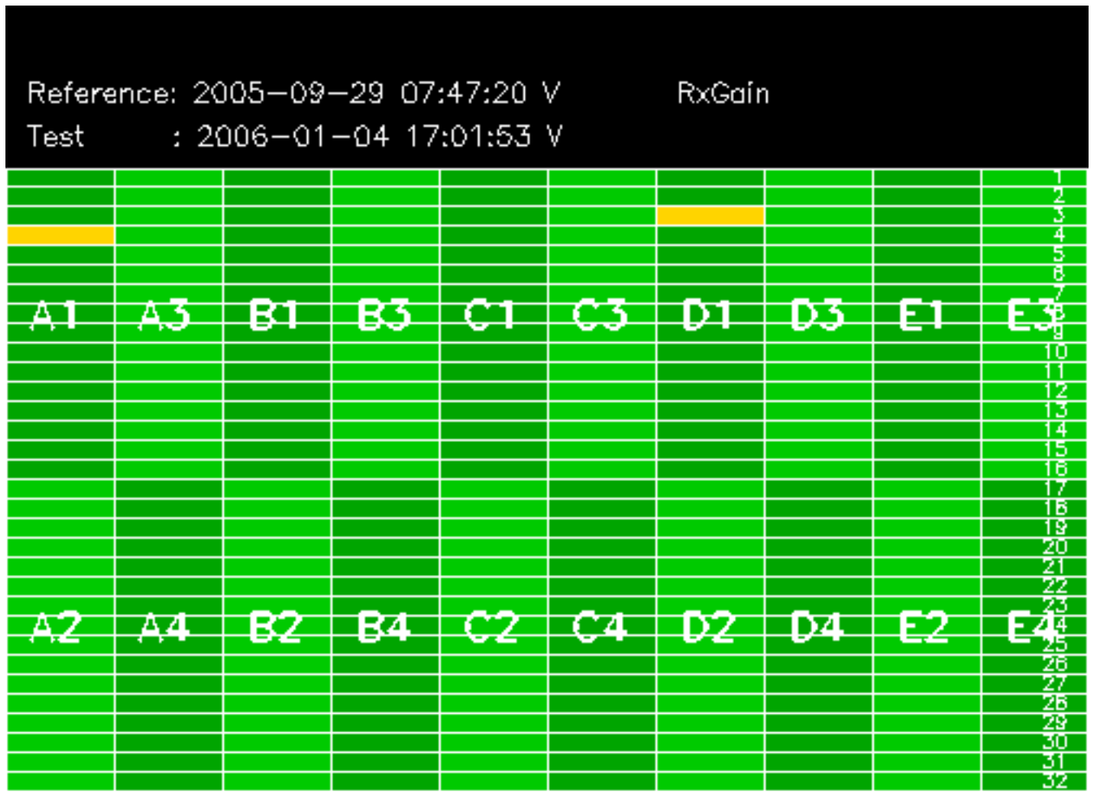
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-04 17:01:53 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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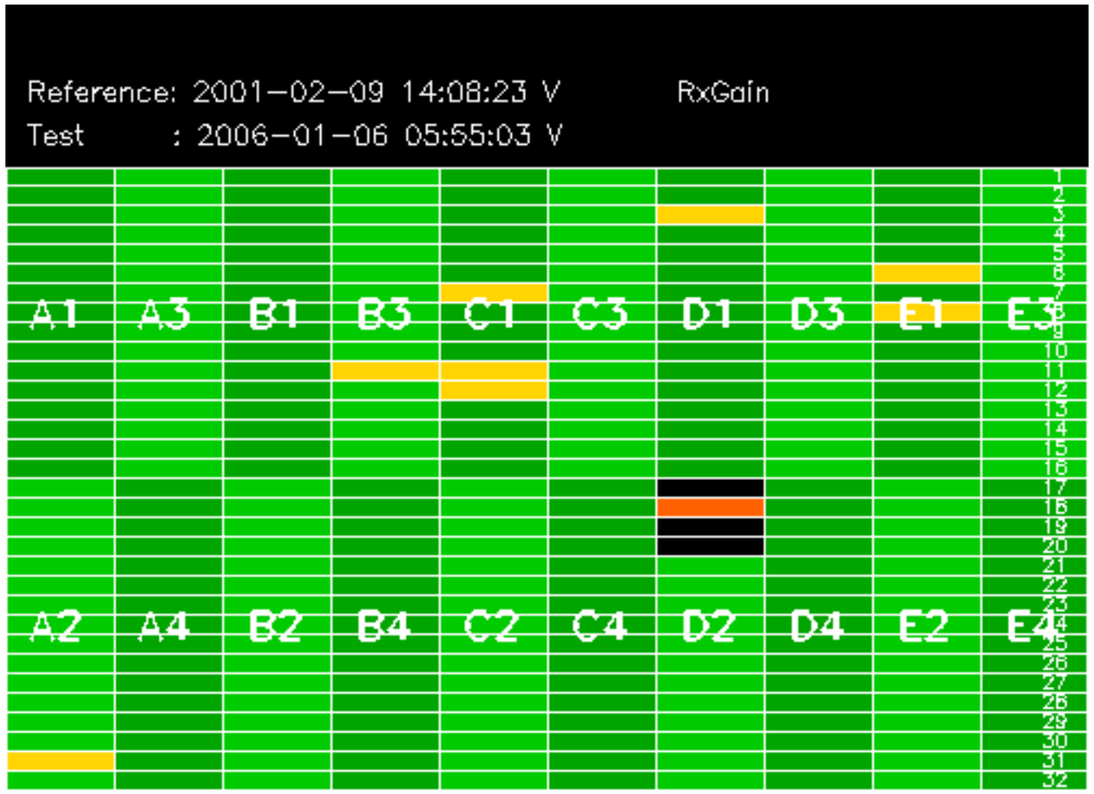
Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2006-01-06 05:55:03 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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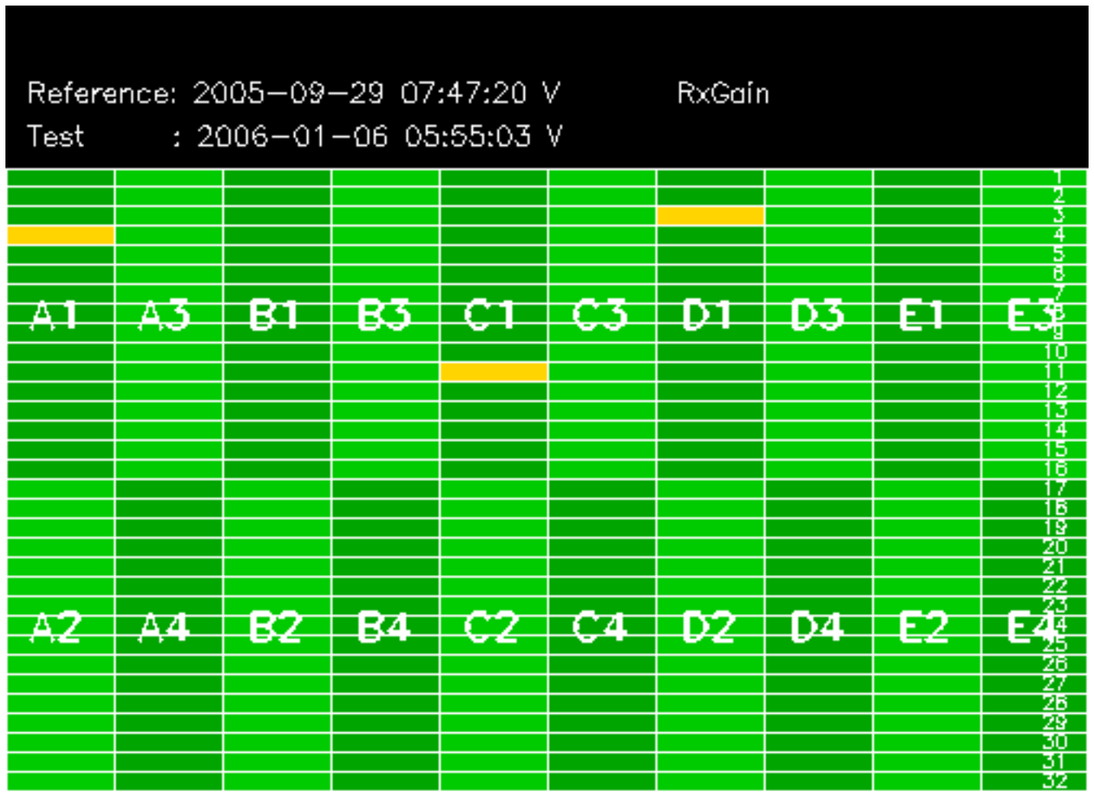
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-06 05:55:03 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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E4
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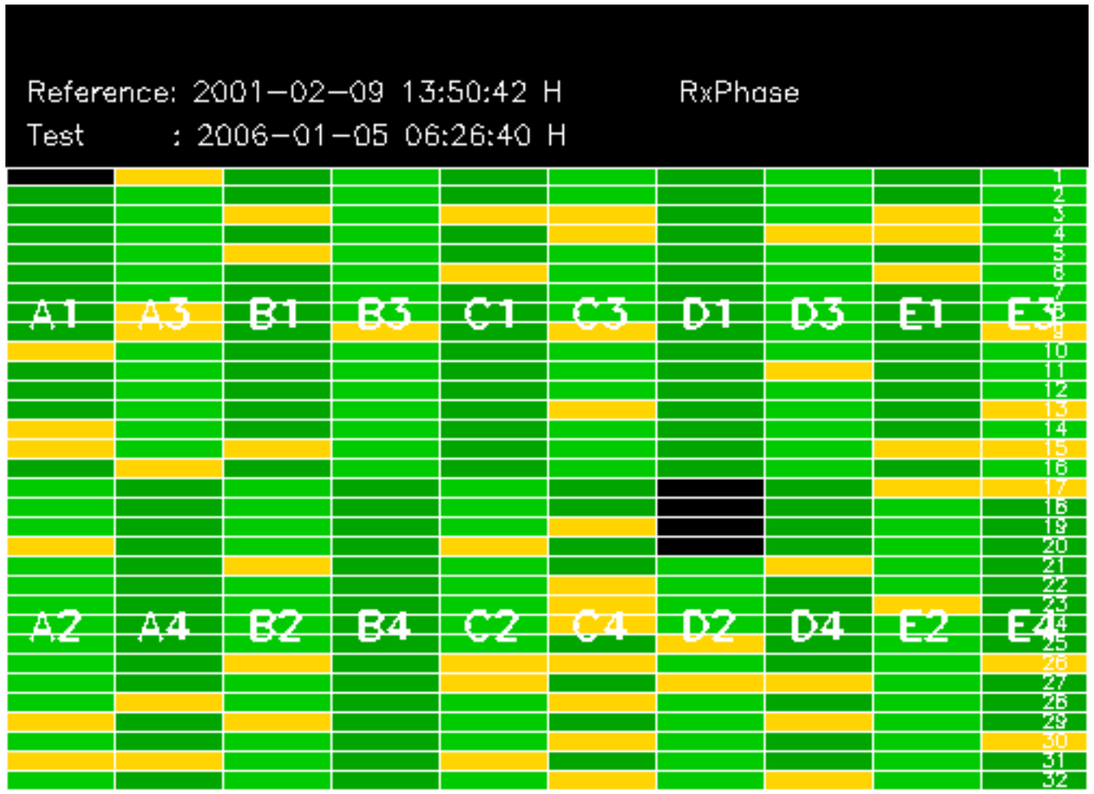
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2006-01-05 06:26:40 H
A1
A3
B1
B3
C1
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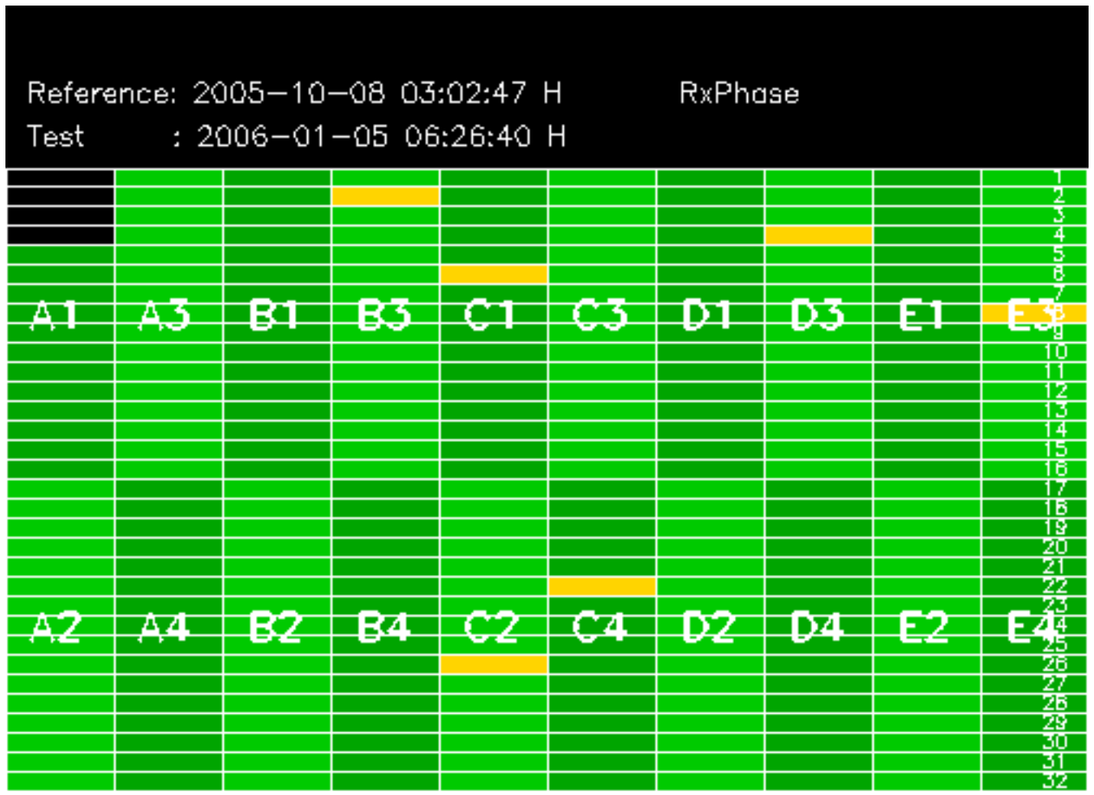
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2006-01-05 06:26:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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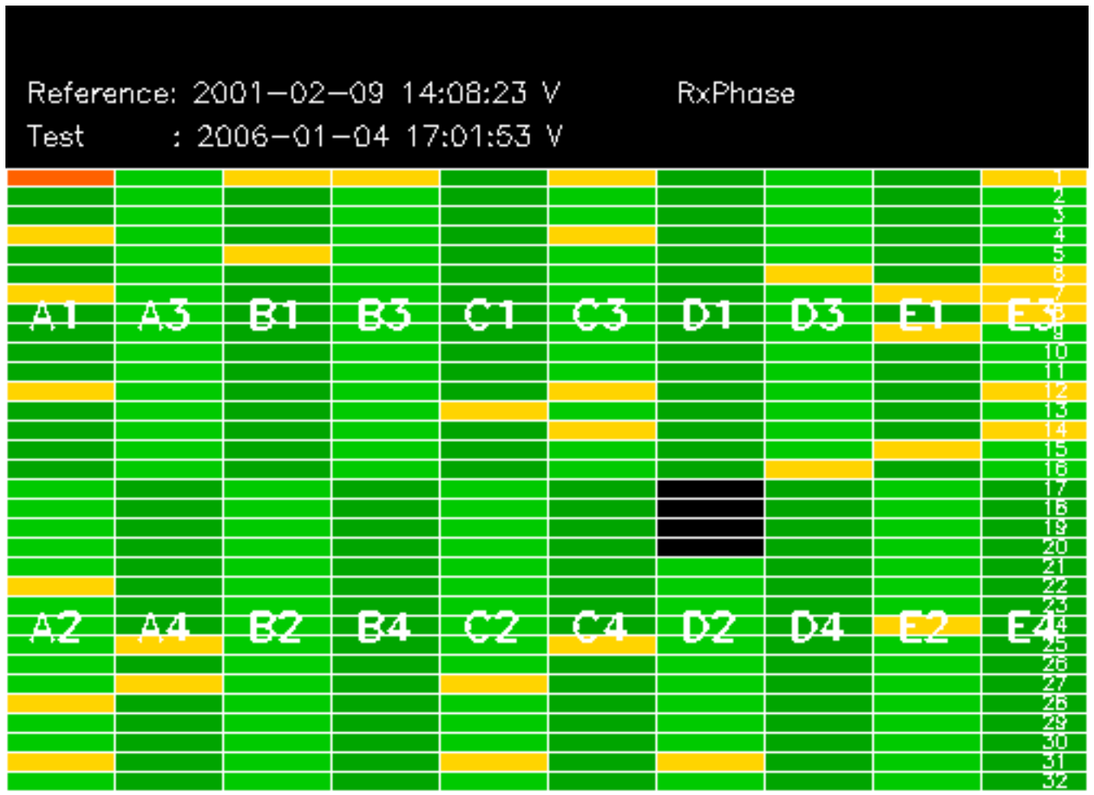
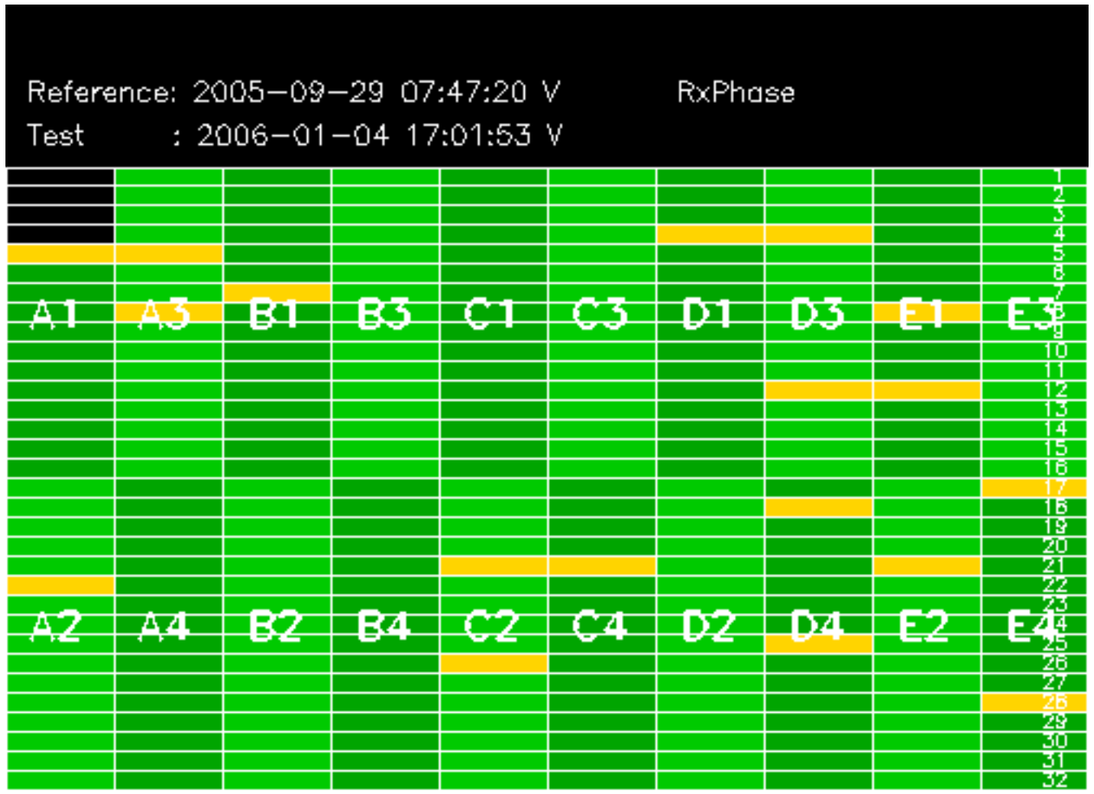

Reference: 2001-02-09 14:08:23 V
Test : 2006-01-04 17:01:53 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-01-04 17:01:53 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
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A2
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B2
B4
C2
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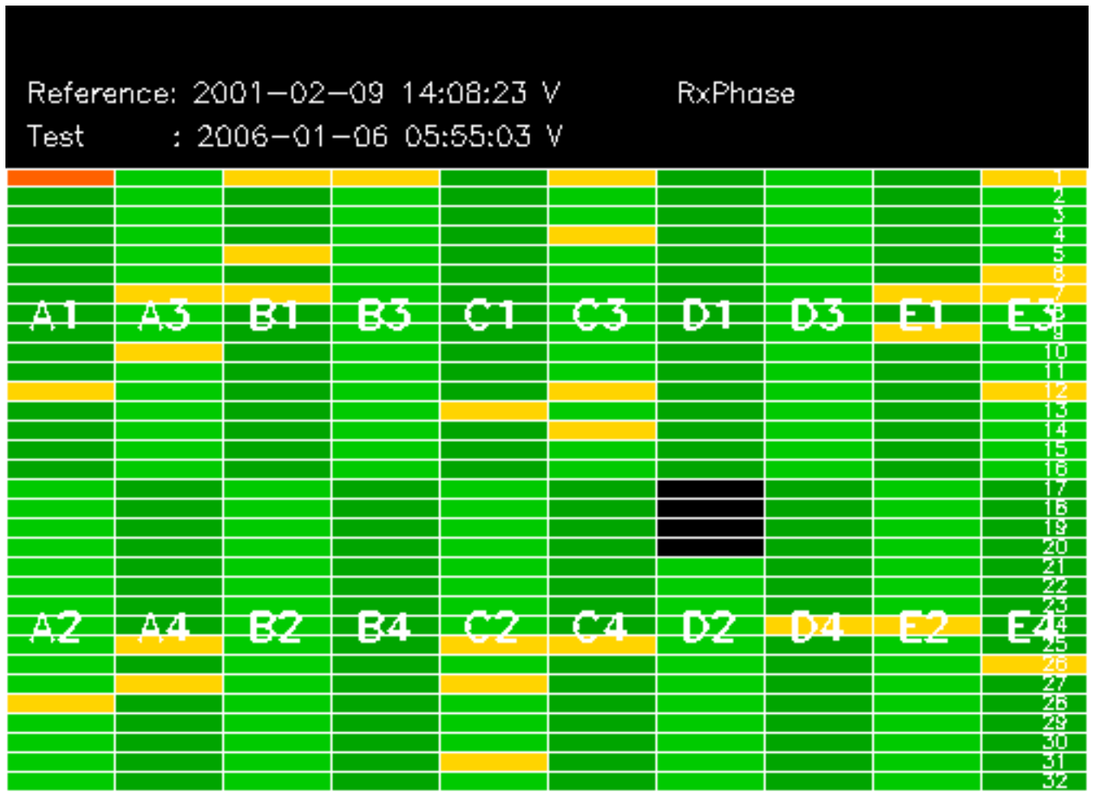
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-06 05:55:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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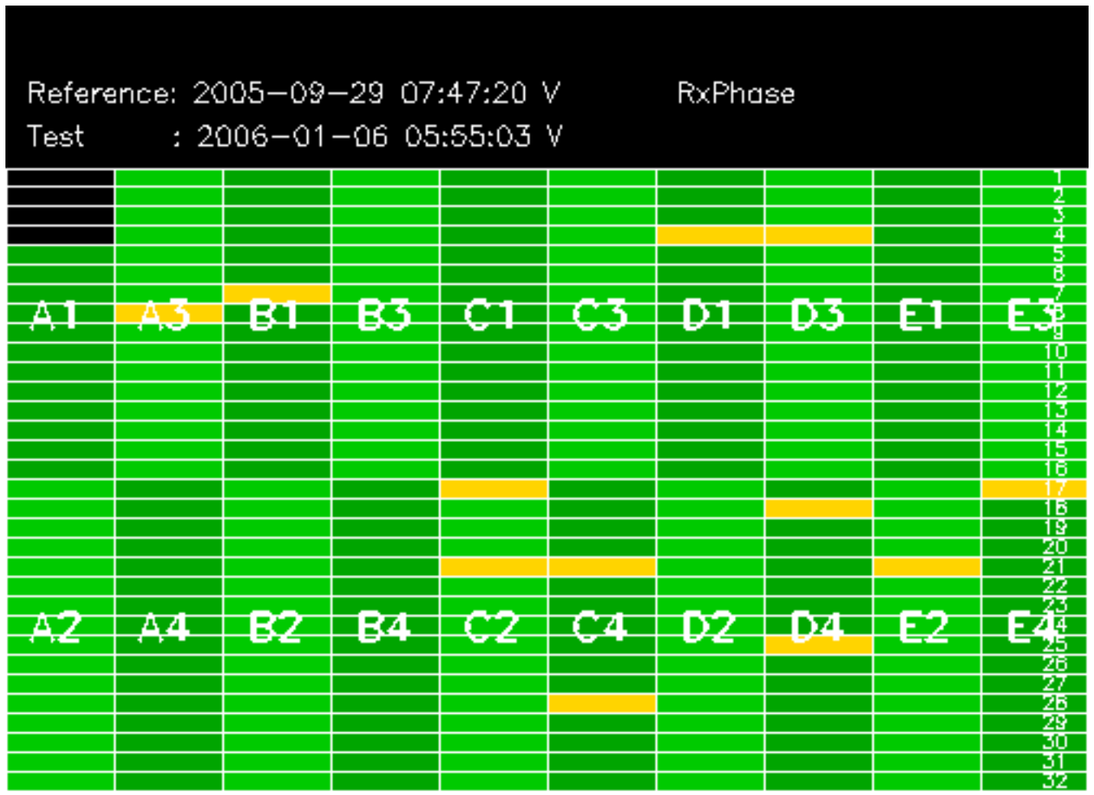
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-06 05:55:03 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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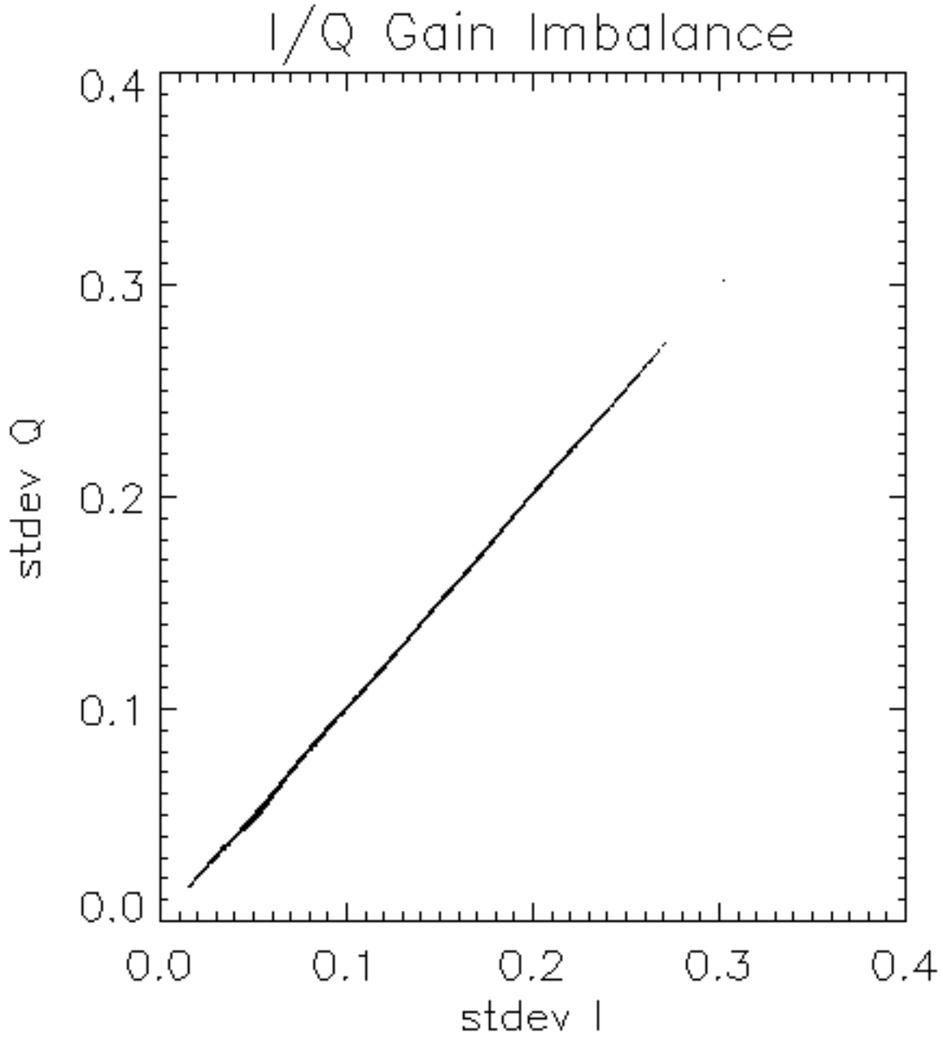
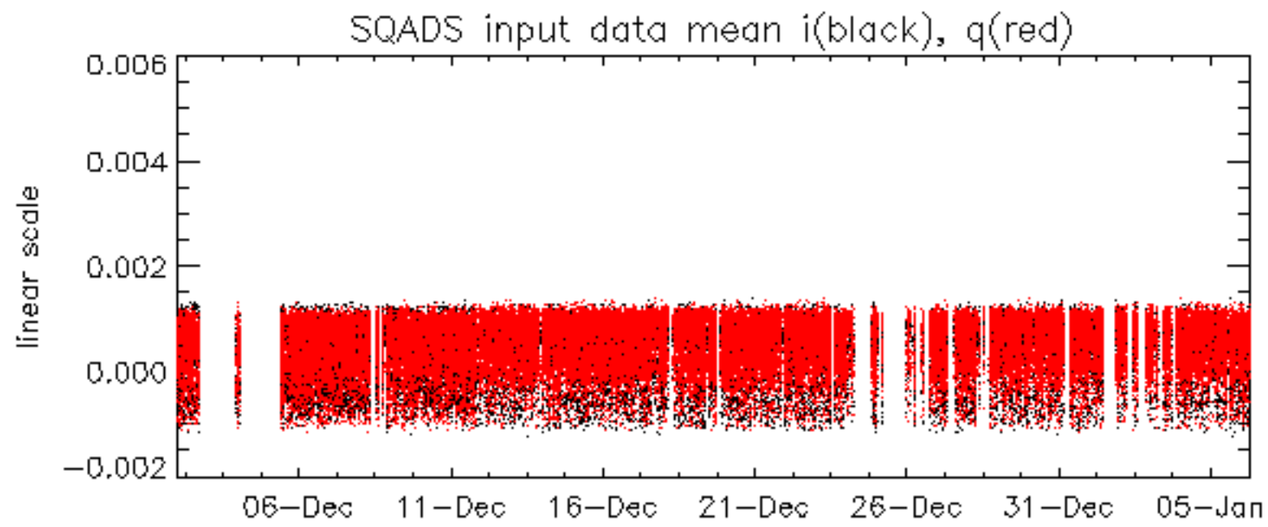
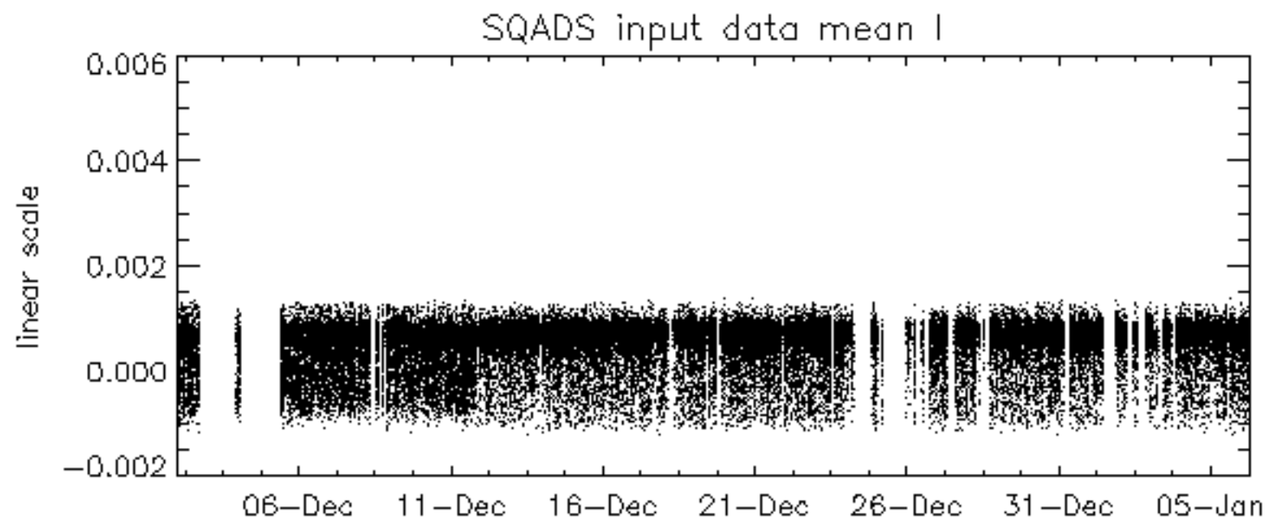
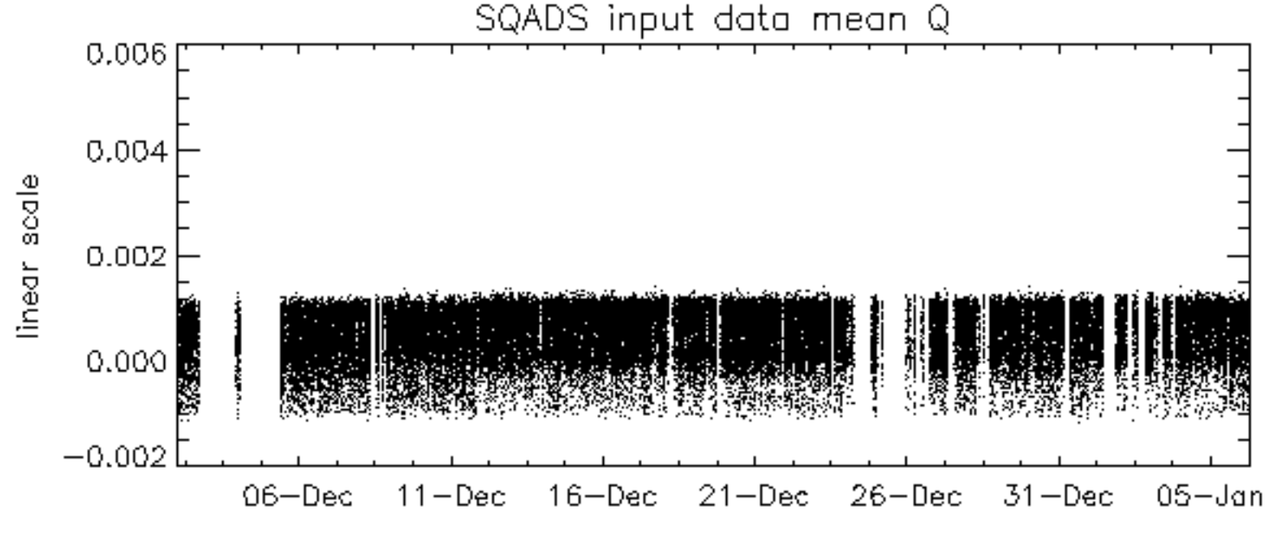
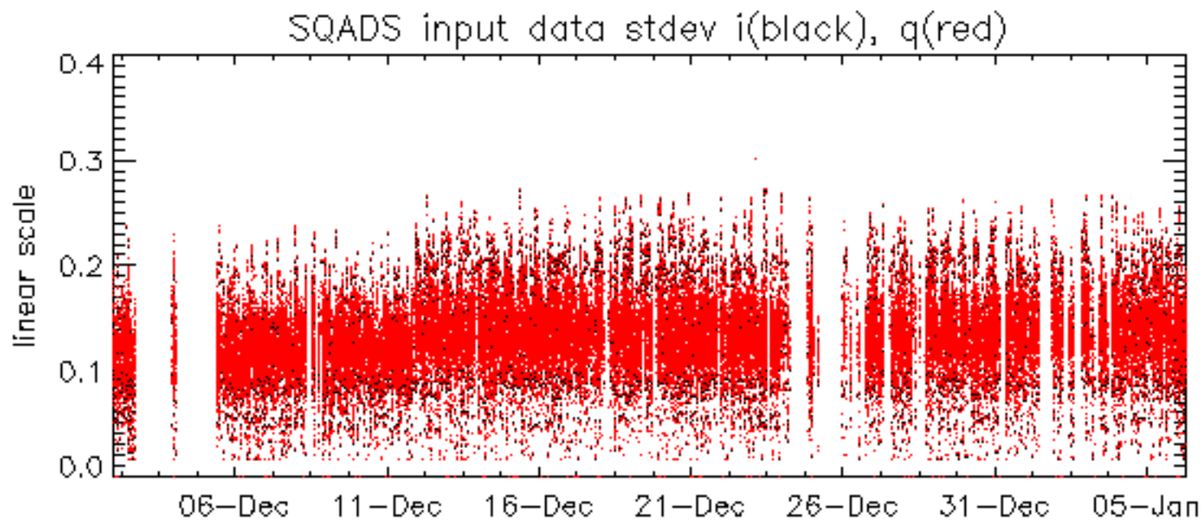
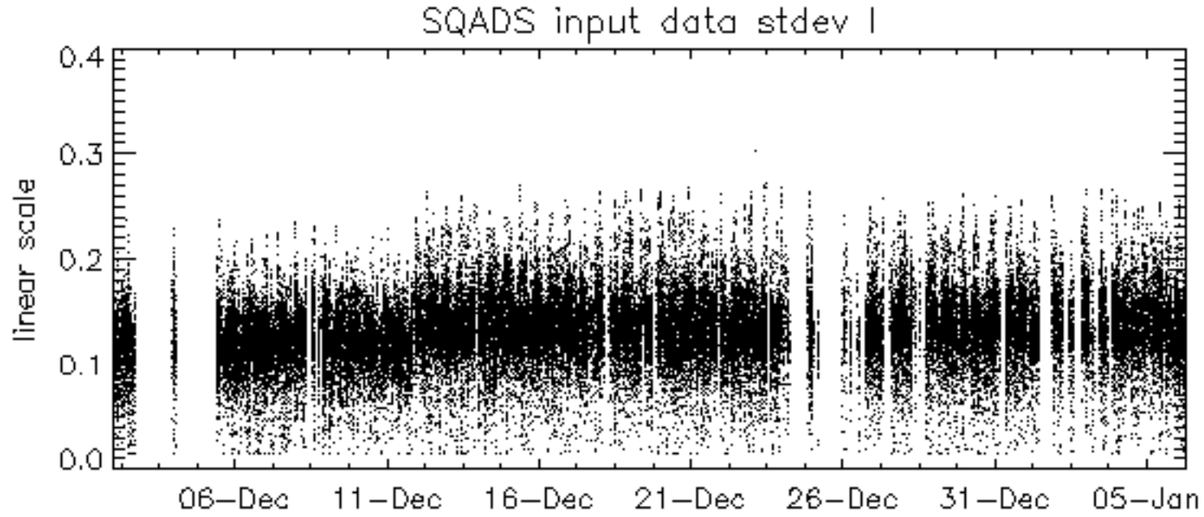

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

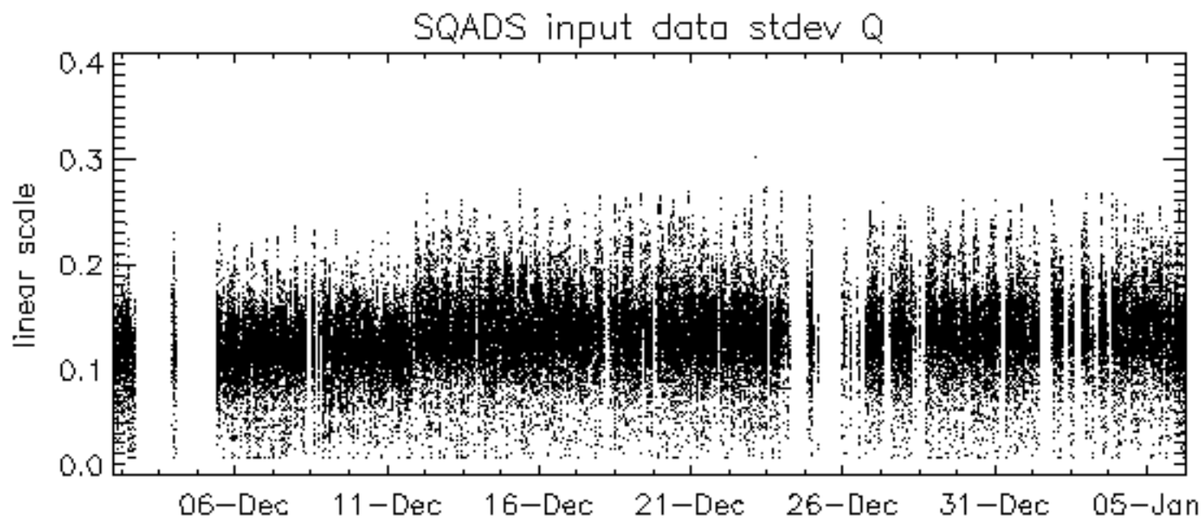

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan

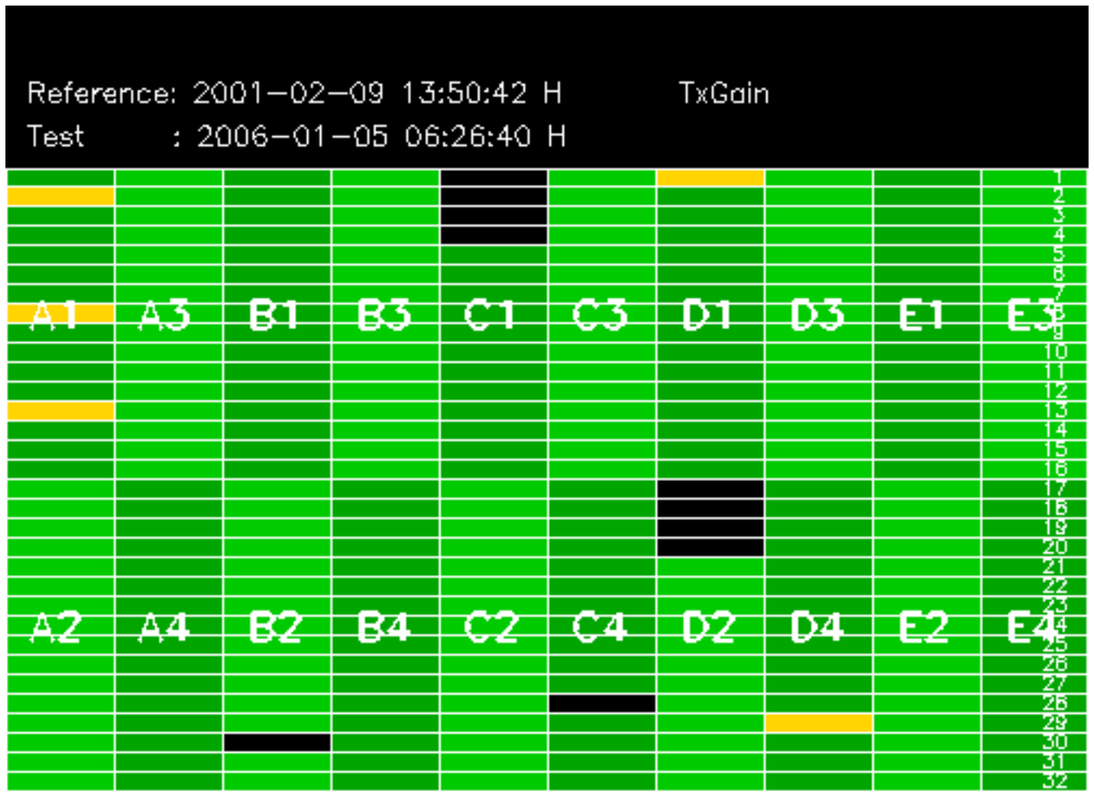

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
06−Dec
11−Dec
16−Dec
21−Dec
26−Dec
31−Dec
05−Jan


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
06-Dec
11-Dec
16-Dec
21-Dec
26-Dec
31-Dec
05-Jan


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
06-Dec
11-Dec
16-Dec
21-Dec
26-Dec
31-Dec
05-Jan


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
06-Dec
11-Dec
16-Dec
21-Dec
26-Dec
31-Dec
05-Jan


Reference: 2001-02-09 13:50:42 H
Test : 2006-01-05 06:26:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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D4
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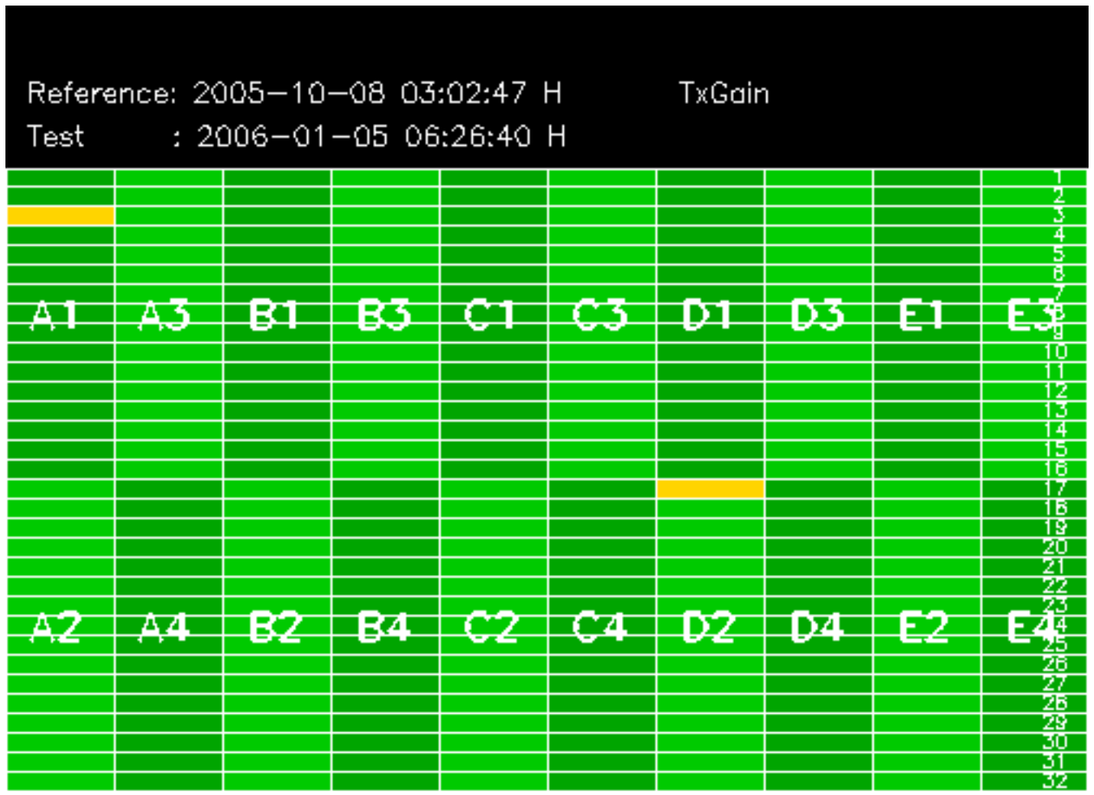
Reference: 2005-10-08 03:02:47 H
Test : 2006-01-05 06:26:40 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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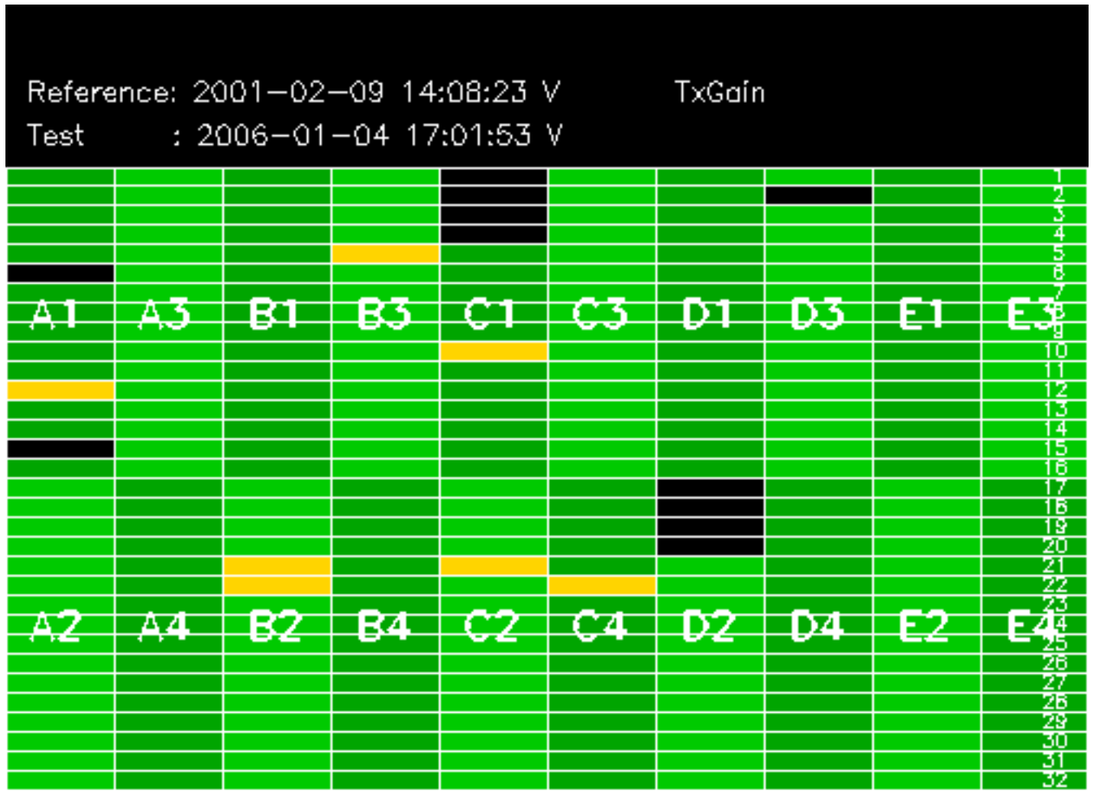
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-04 17:01:53 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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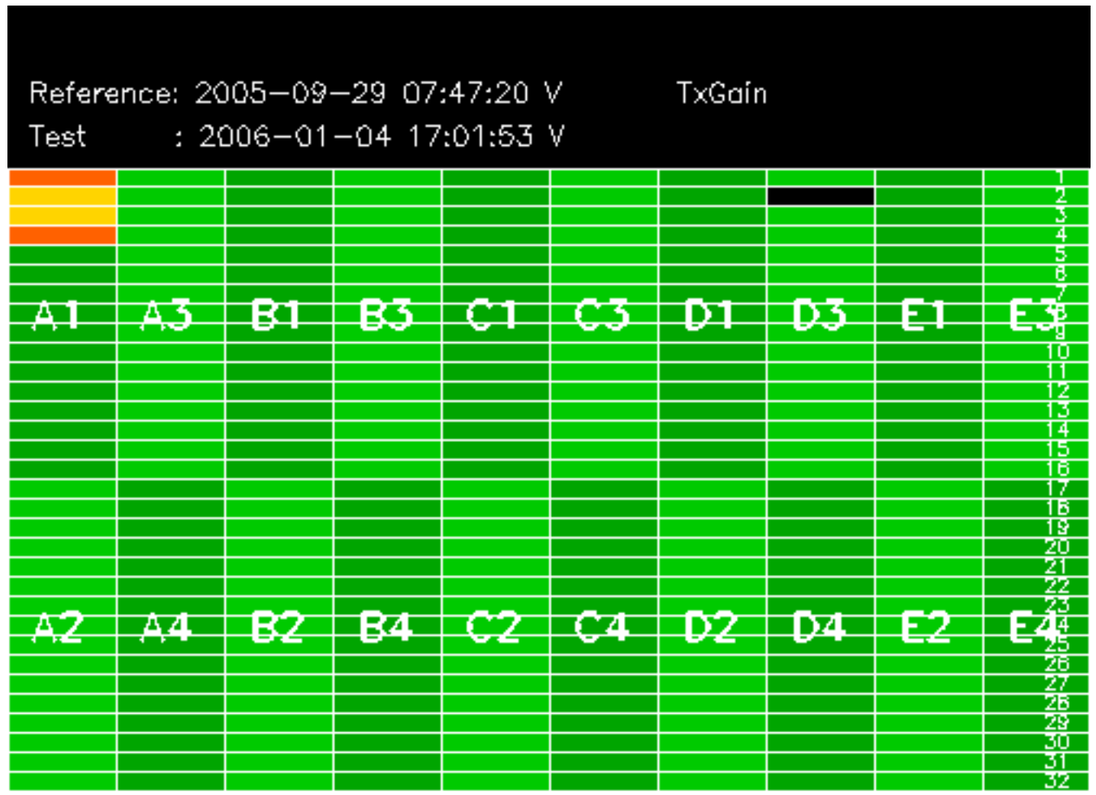
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-04 17:01:53 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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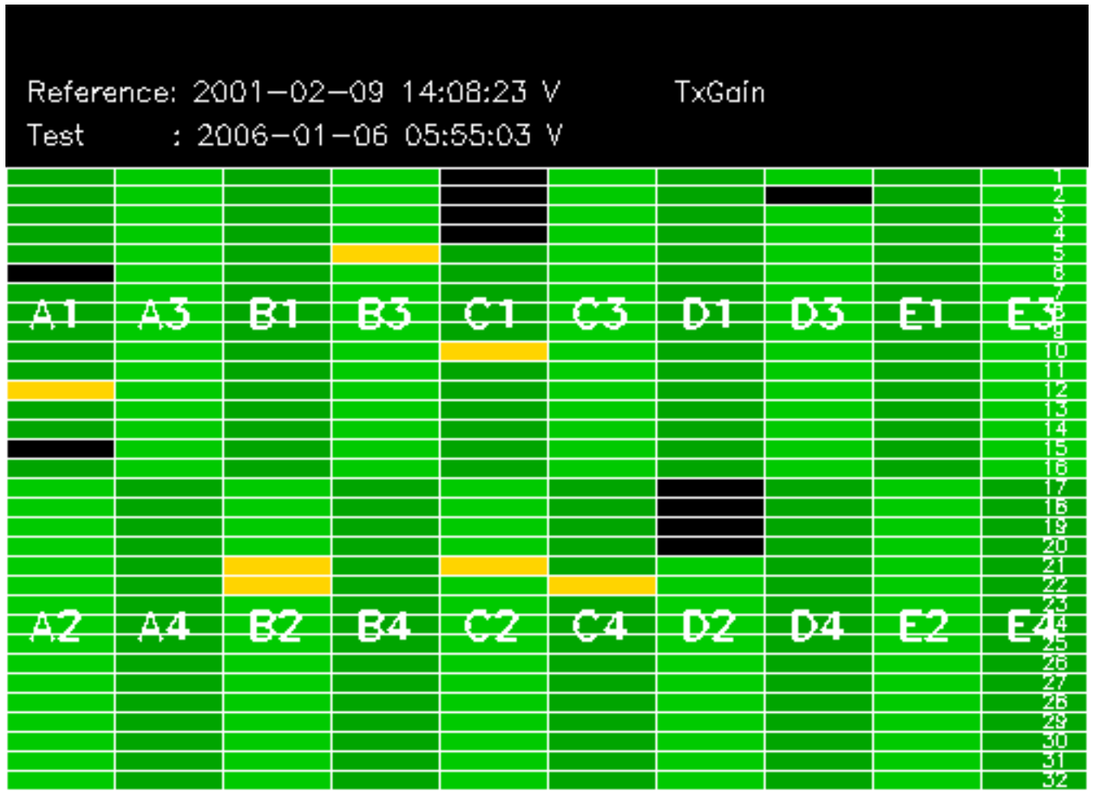
Reference: 2001-02-09 14:08:23 V
Test : 2006-01-06 05:55:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
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E3
A2
A4
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B4
C2
C4
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D4
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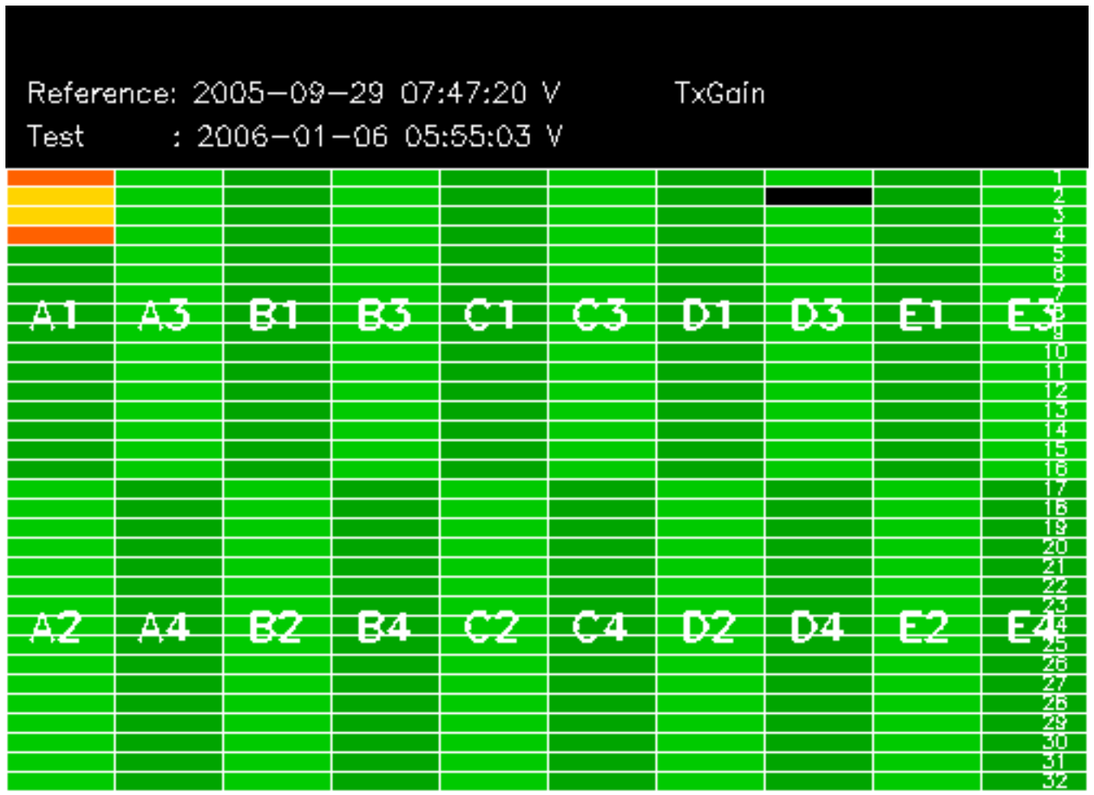
Reference: 2005-09-29 07:47:20 V
Test : 2006-01-06 05:55:03 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
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A2
A4
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B4
C2
C4
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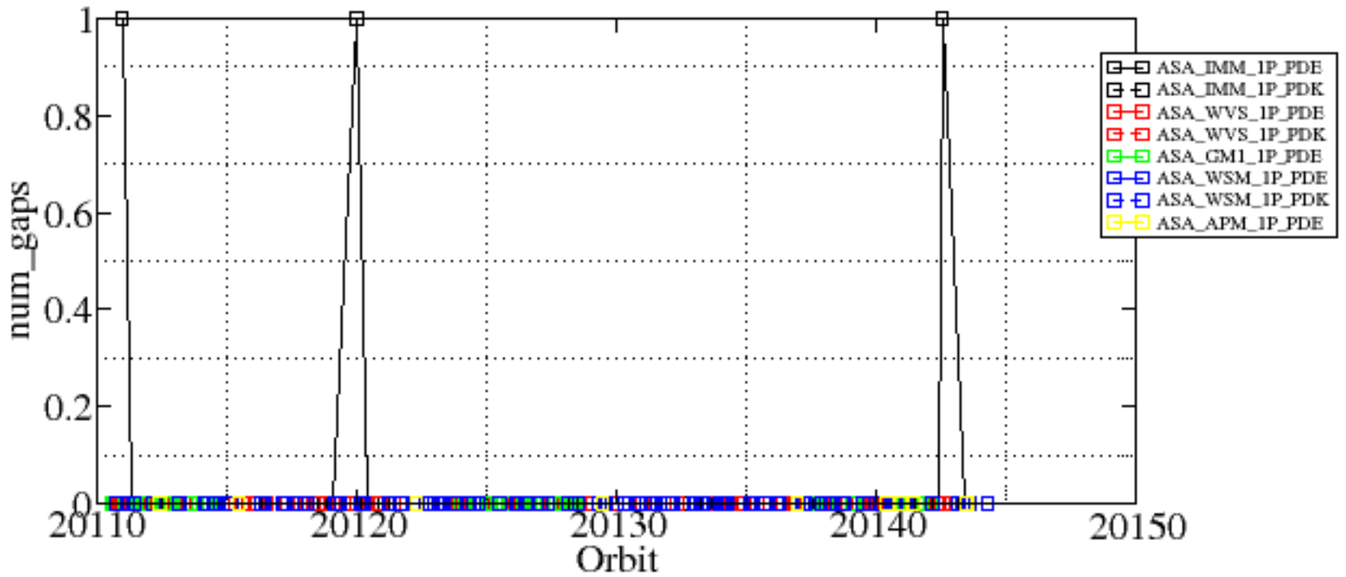
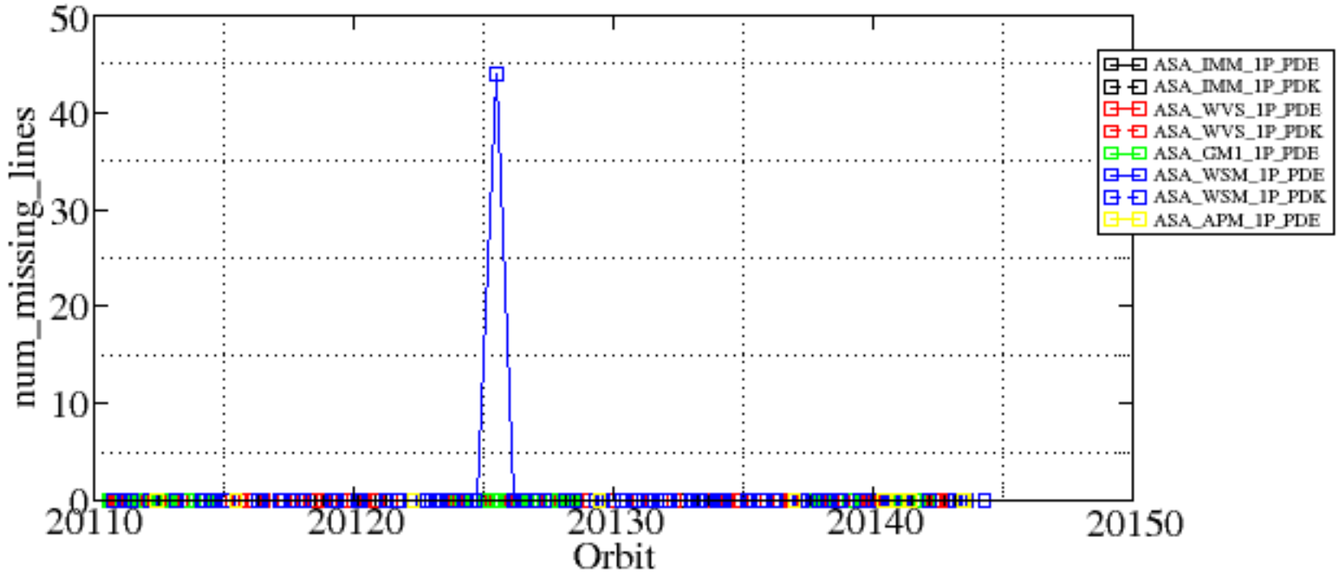
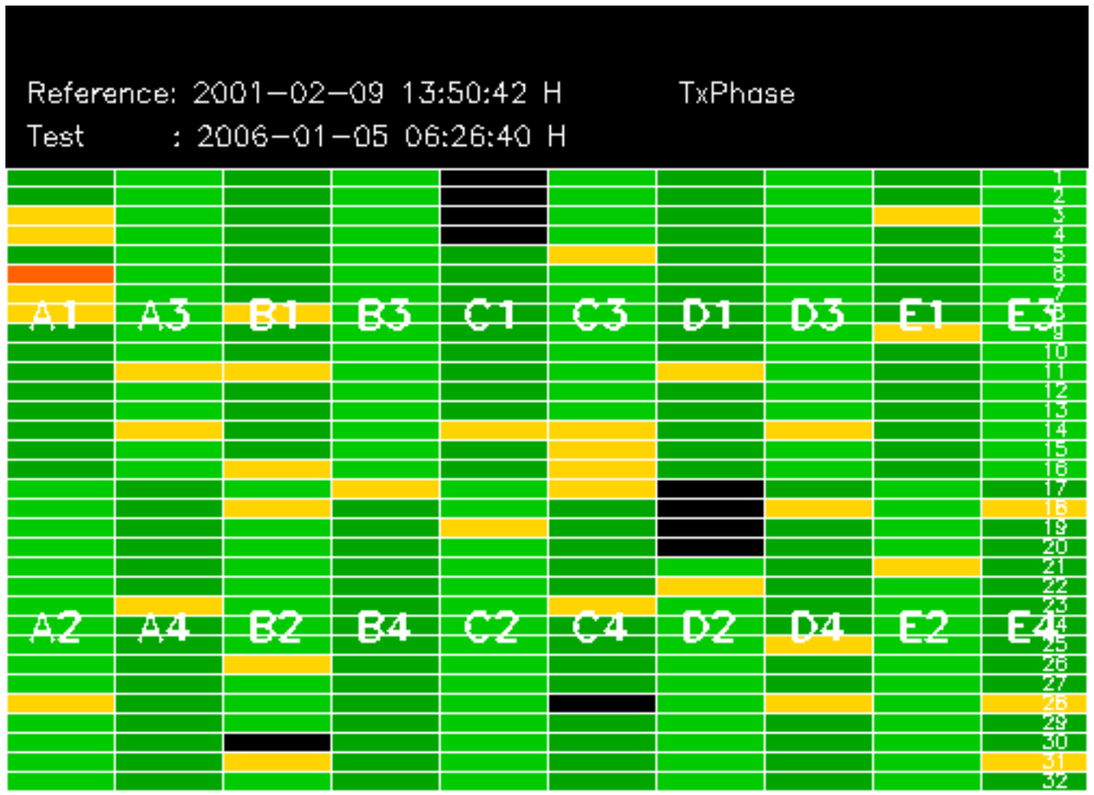
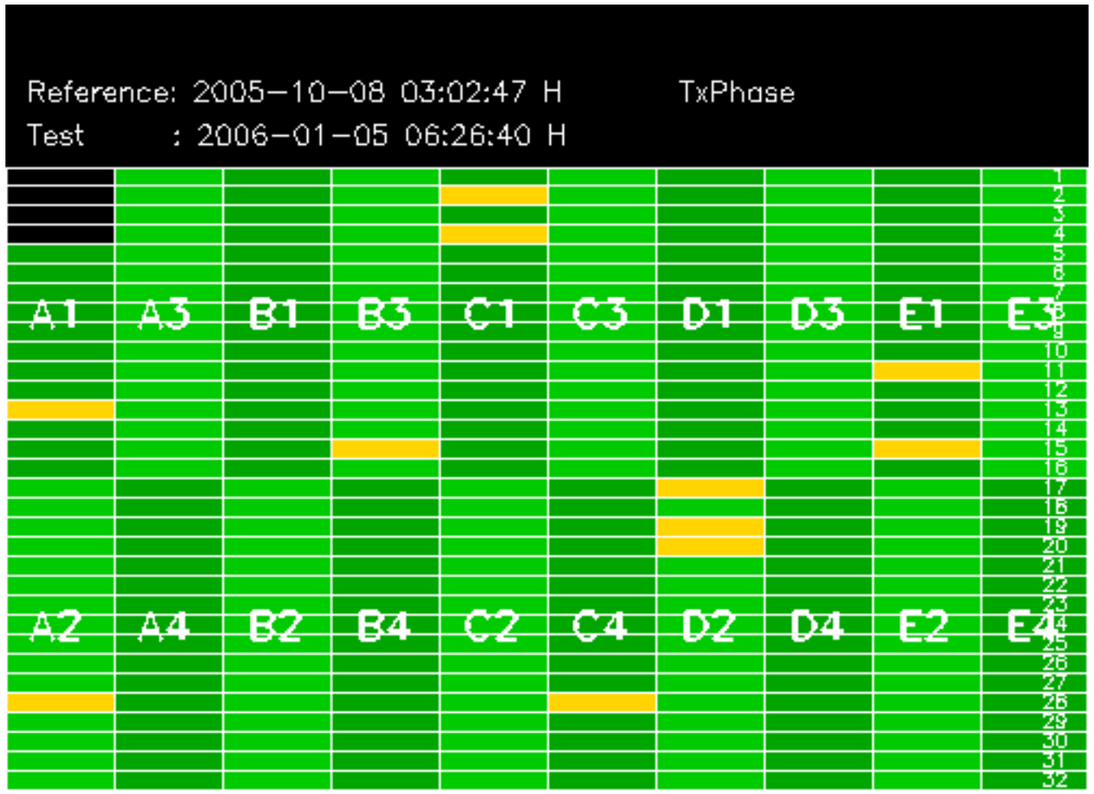
Summary of analysis for the last 3 days 2006010[456]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20060104_004520_000001852044_00016_20110_5463.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060104_155357_000000402044_00025_20119_5538.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_IMM_1PNPDE20060106_054348_000000372044_00048_20142_5727.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20060105_010633_000002812044_00031_20125_7017.N1 </td> <td>0 </td> <td>44 </td></tr>
</table>


num_gaps
1
0.8
0.6
0.4
0.2
0
20110
20120
20130
20140
20150
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
50
40
30
20
10
0
20110
20120
20130
20140
20150
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2006-01-05 06:26:40 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-10-08 03:02:47 H
Test : 2006-01-05 06:26:40 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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7
8
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11
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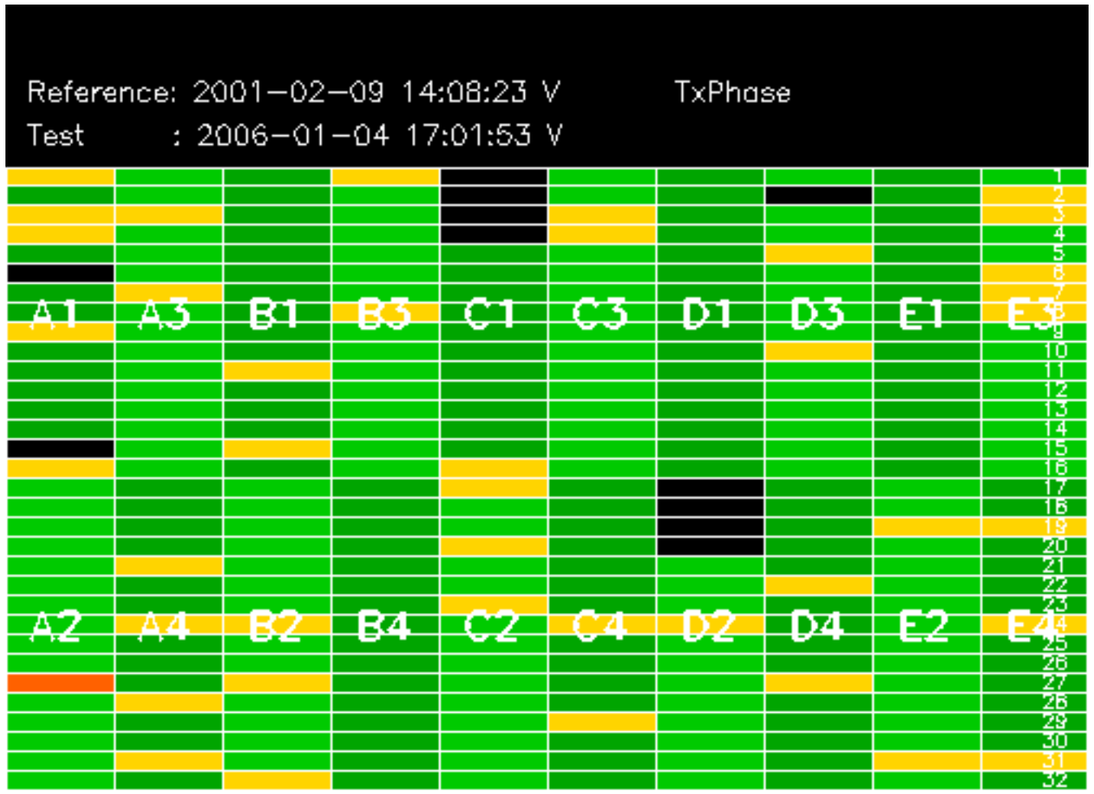
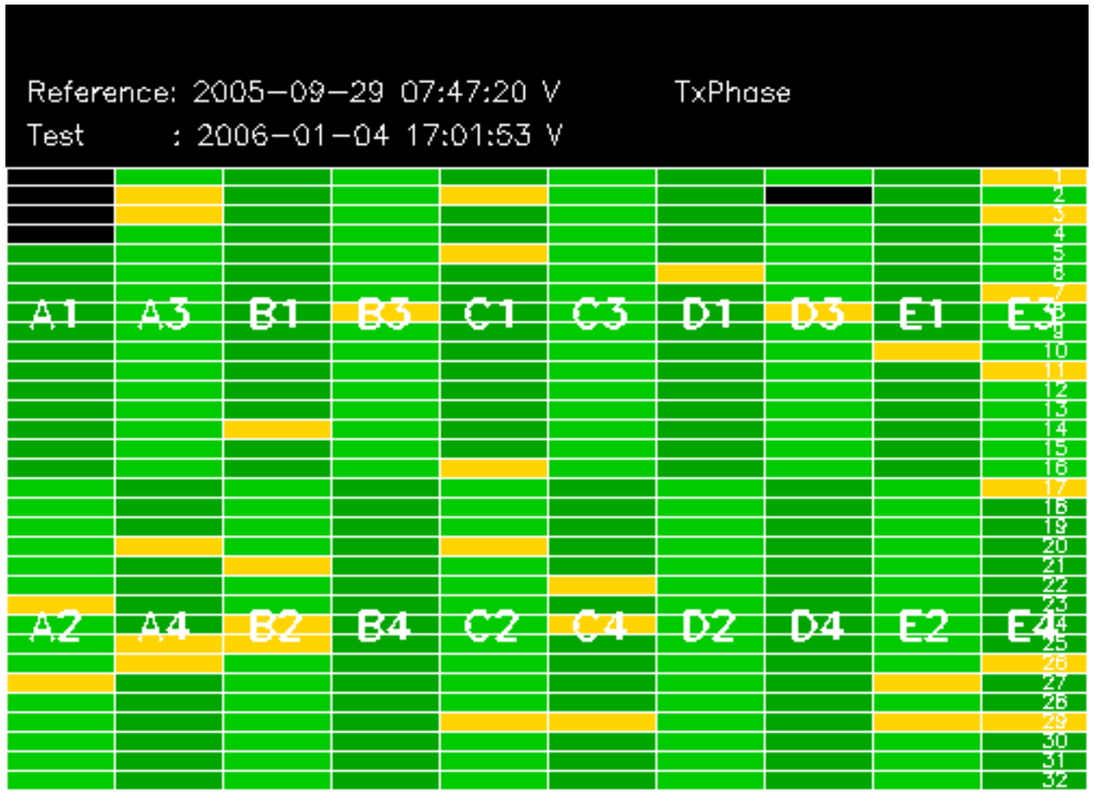
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-01-04 17:01:53 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2006-01-04 17:01:53 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
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30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2006-01-06 05:55:03 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
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30
31
32


Reference: 2005-09-29 07:47:20 V
Test : 2006-01-06 05:55:03 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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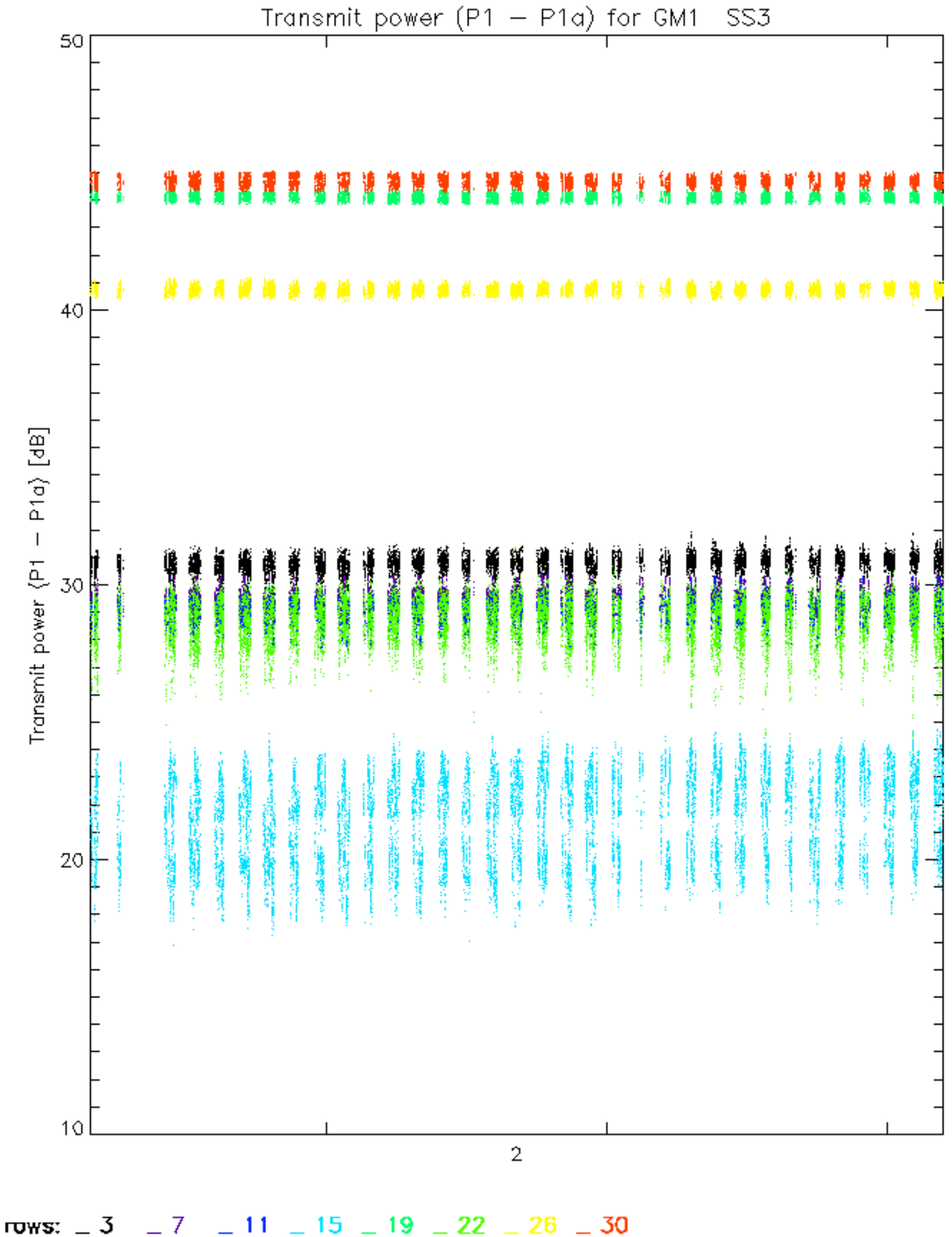
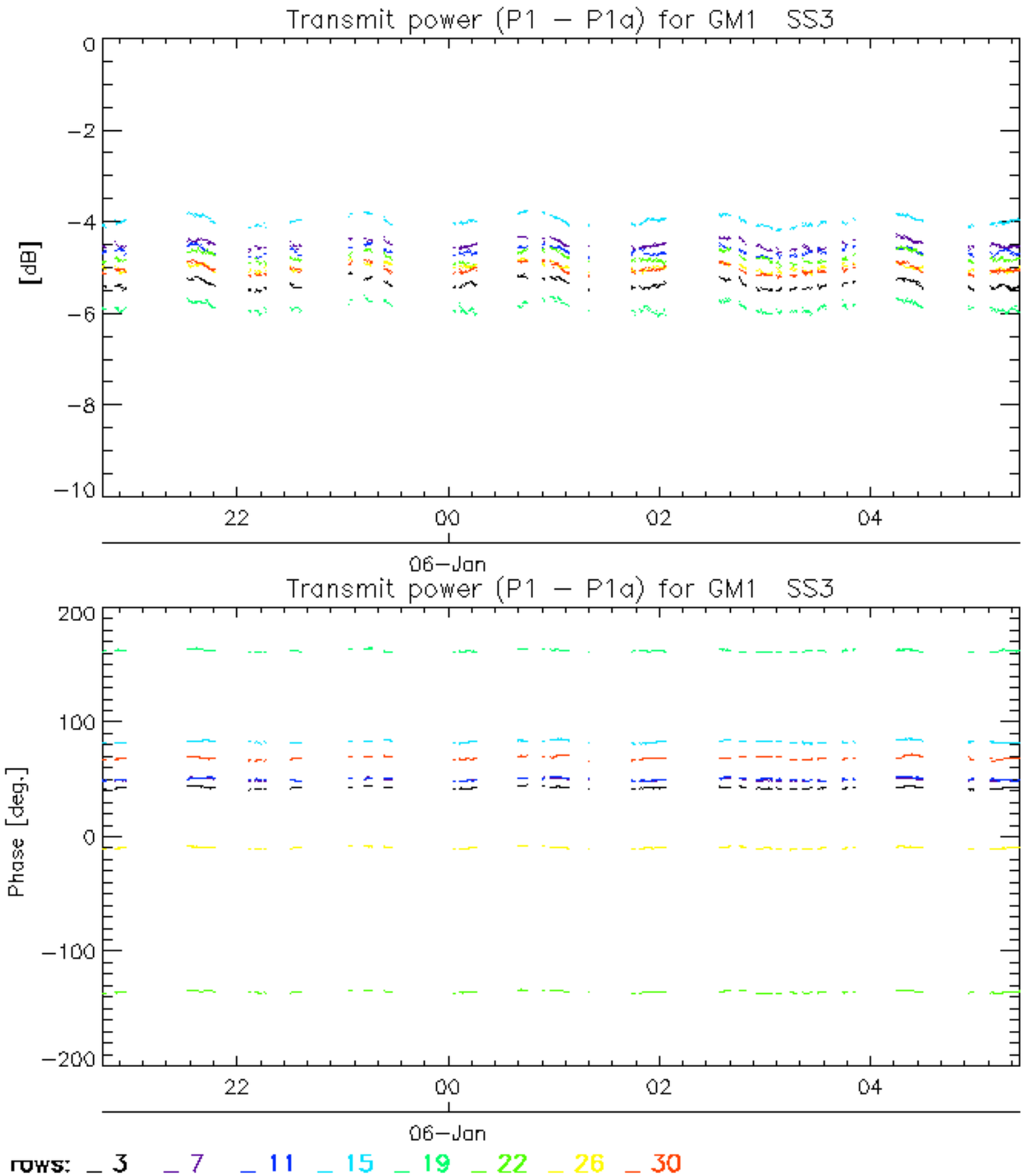
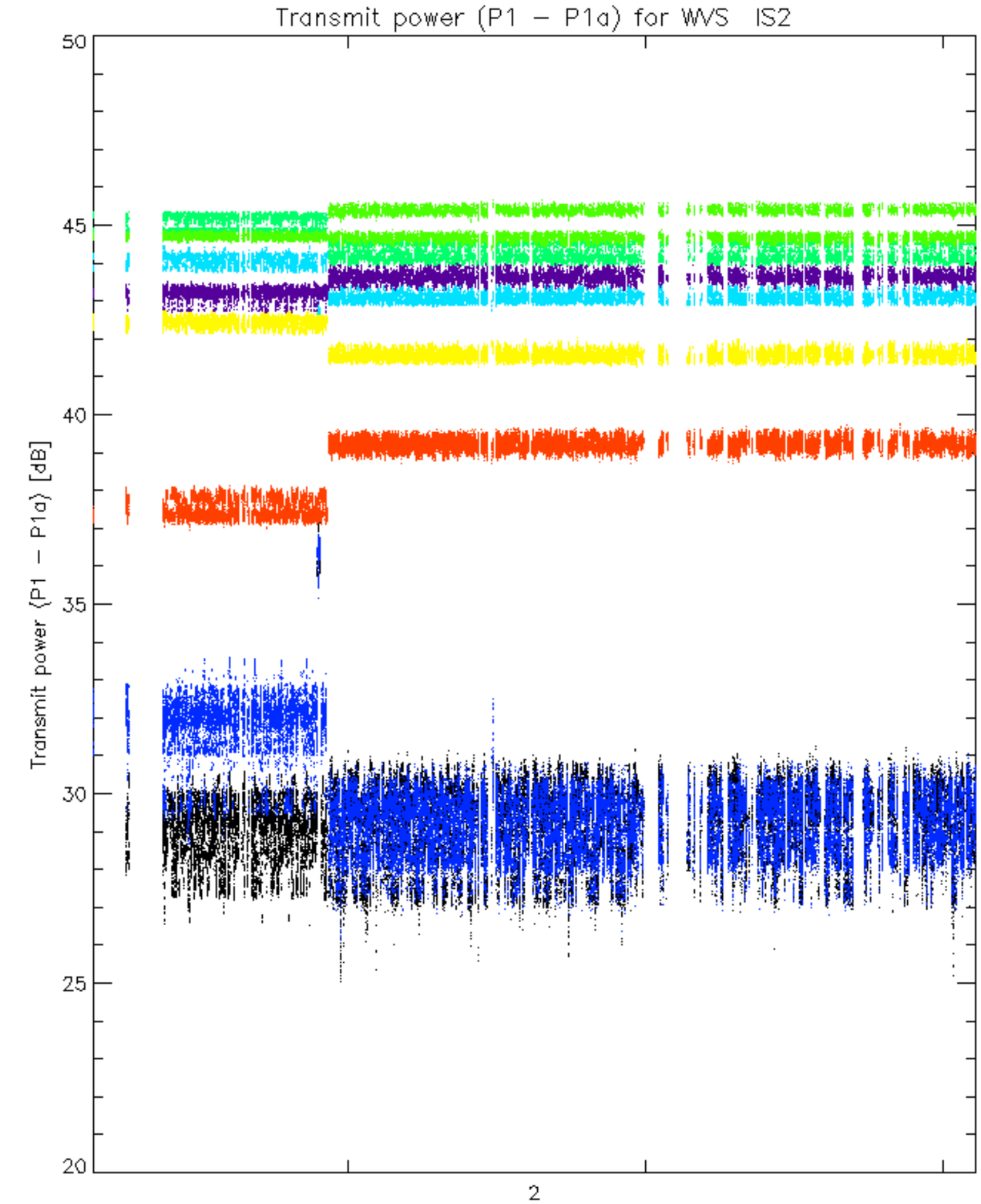
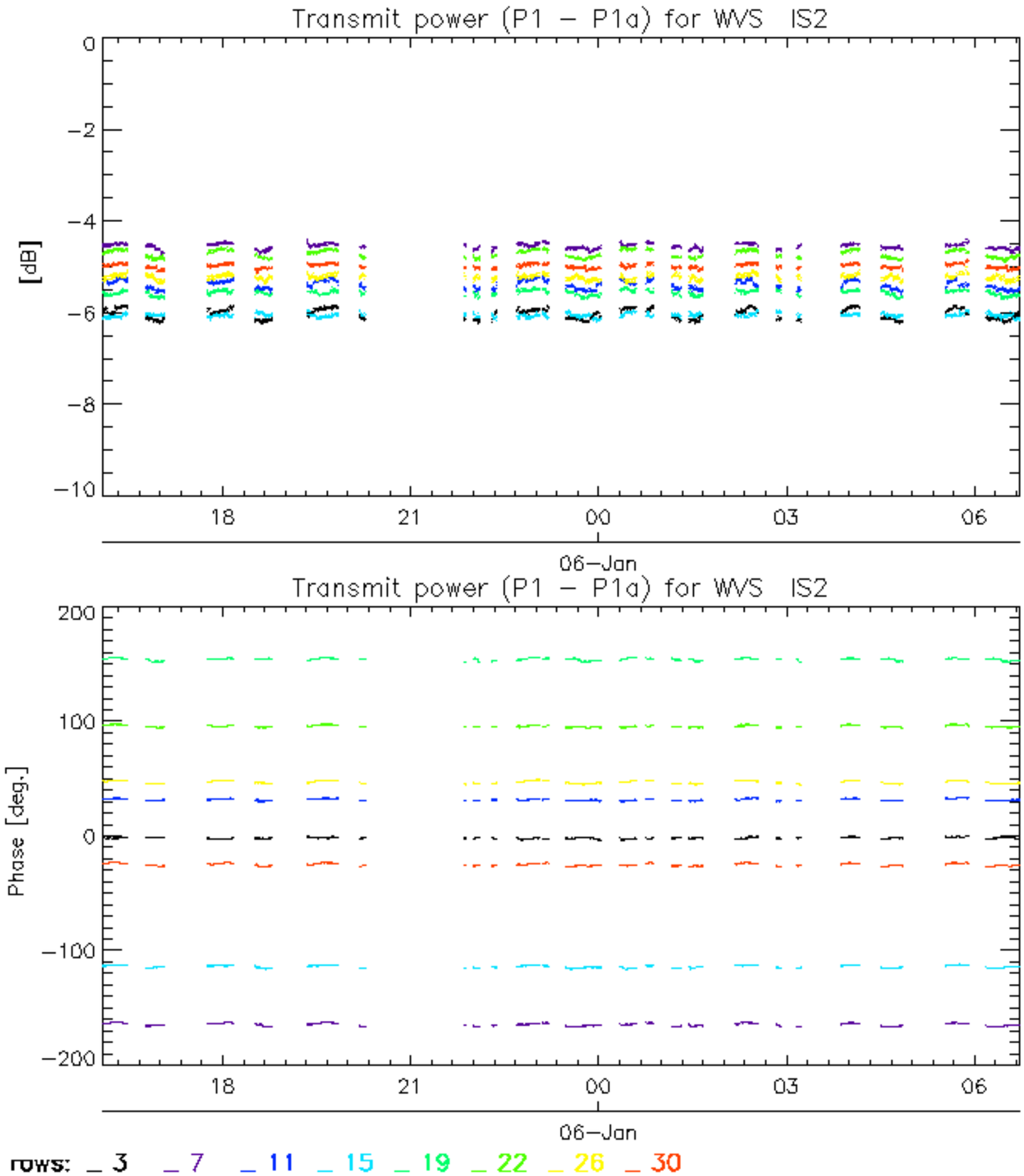

Transmit power (P1 – P1a) for GM1 SS3
50
40
30
20
10
Transmit power (P1 – P1a) [dB]
2
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
22
00
02
04
06–Jan
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
22
00
02
04
06–Jan
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
2
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.