PRELIMINARY REPORT OF 051221

last update on Wed Dec 21 16:44:27 GMT 2005

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 2005-12-20 00:00:00 to 2005-12-21 16:44:27

PDHS-K					
AUXILIARY FILE	WVS	GM1	IMM	APM	WSM

ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	44	0	7	0	18
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	44	0	7	0	18
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	44	0	7	0	18
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	0	7	0	18

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000	10	8	8	1	10
ASA_XCA_AXVIEC20051013_152531_20050916_195733_20061231_000000	10	8	8	1	10
ASA_CON_AXVIEC20051013_151540_20050916_195733_20061231_000000	39	49	32	8	53
ASA_XCA_AXVIEC20051219_162245_20050916_195733_20061231_000000	29	41	24	7	43
ASA_INS_AXVIEC20051219_161945_20030211_000000_20061231_000000	29	41	24	7	43
ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000	10	8	8	1	10
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	29	41	24	7	43

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	20051221 073836
H	20051220 081013

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	-3.675473	0.245535	-0.120442
7	P1	-2.754994	0.127991	0.068106
11	P1	-4.146823	0.032369	-0.010179
15	P1	-5.110900	1.722048	0.328296
19	P1	-3.041129	0.064194	0.030017
22	P1	-4.437947	0.022305	0.012309
26	P1	-4.396434	0.060586	-0.041888
30	P1	-5.656222	0.034544	0.030479
3	P1	-15.648526	2.677719	-0.323363
7	P1	-15.318811	2.673127	0.315272
11	P1	-16.322136	0.479850	0.098010
15	P1	-12.769949	0.986043	0.429131
19	P1	-13.429753	0.358238	0.064405
22	P1	-16.001701	0.632235	0.243951
26	P1	-15.109439	1.096056	0.356379
30	P1	-15.588856	2.476688	0.363829

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.839367	0.110730	0.148072
7	P2	-22.549612	0.104873	0.027996
11	P2	-16.549809	0.126203	0.170360
15	P2	-7.278886	0.103765	-0.000519
19	P2	-9.219662	0.101798	0.005762
22	P2	-17.873932	0.111579	-0.030140
26	P2	-16.370386	0.131710	-0.095558
30	P2	-19.789701	0.118113	-0.036924

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.235875	0.007539	-0.004510
7	P3	-8.235875	0.007539	-0.004510
11	P3	-8.235875	0.007539	-0.004510
15	P3	-8.235875	0.007539	-0.004510
19	P3	-8.235875	0.007539	-0.004510
22	P3	-8.235875	0.007539	-0.004510
26	P3	-8.235875	0.007539	-0.004510
30	P3	-8.235875	0.007539	-0.004510

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	-3.702837	0.008176	-0.021384
7	P1	-2.774663	0.011932	0.015314
11	P1	-2.875952	0.014865	-0.007263
15	P1	-3.409425	0.021580	-0.026507
19	P1	-3.389941	0.013707	-0.023457
22	P1	-5.125162	0.018873	-0.005873
26	P1	-5.841672	0.016262	-0.035207
30	P1	-5.281509	0.033220	-0.030887
3	P1	-11.480498	0.041204	-0.026594
7	P1	-9.966979	0.046145	-0.020863
11	P1	-10.050761	0.060632	0.014331
15	P1	-10.569770	0.078630	0.082306

19	P1	-15.516499	0.073007	-0.052792
22	P1	-20.958611	0.966714	-0.109364
26	P1	-17.178196	0.301195	0.018288
30	P1	-18.281422	0.305338	0.273695

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-17.619387	0.029919	0.047709
7	P2	-23.050686	0.056886	-0.040508
11	P2	-11.625144	0.021050	0.113854
15	P2	-4.988235	0.021044	-0.045594
19	P2	-6.968014	0.021966	-0.057244
22	P2	-8.199029	0.022649	-0.059133
26	P2	-24.051725	0.030801	-0.026273
30	P2	-22.126266	0.018206	-0.058515

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.077092	0.002470	-0.010771
7	P3	-8.077158	0.002468	-0.010700
11	P3	-8.077102	0.002454	-0.011240
15	P3	-8.077119	0.002467	-0.011522
19	P3	-8.077134	0.002468	-0.011199
22	P3	-8.077185	0.002466	-0.010897
26	P3	-8.077100	0.002446	-0.011246
30	P3	-8.076813	0.002466	-0.011098

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	0.000461549
	stdev	2.17863e-07
MEAN Q	mean	0.000476788
	stdev	2.36659e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.129072
	stdev	0.00109543
STDEV Q	mean	0.129357
	stdev	0.00110779

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005122[901]
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_WSM_1PNPDE20051221_021712_000001042043_00318_19911_5158.N1	0	54
ASA_WSM_1PNPDE20051221_031549_000001472043_00319_19912_5167.N1	0	49

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

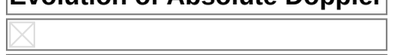
Evolution of unbiased Doppler error (Real - Expected)

Acsending

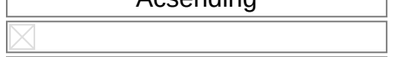
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler



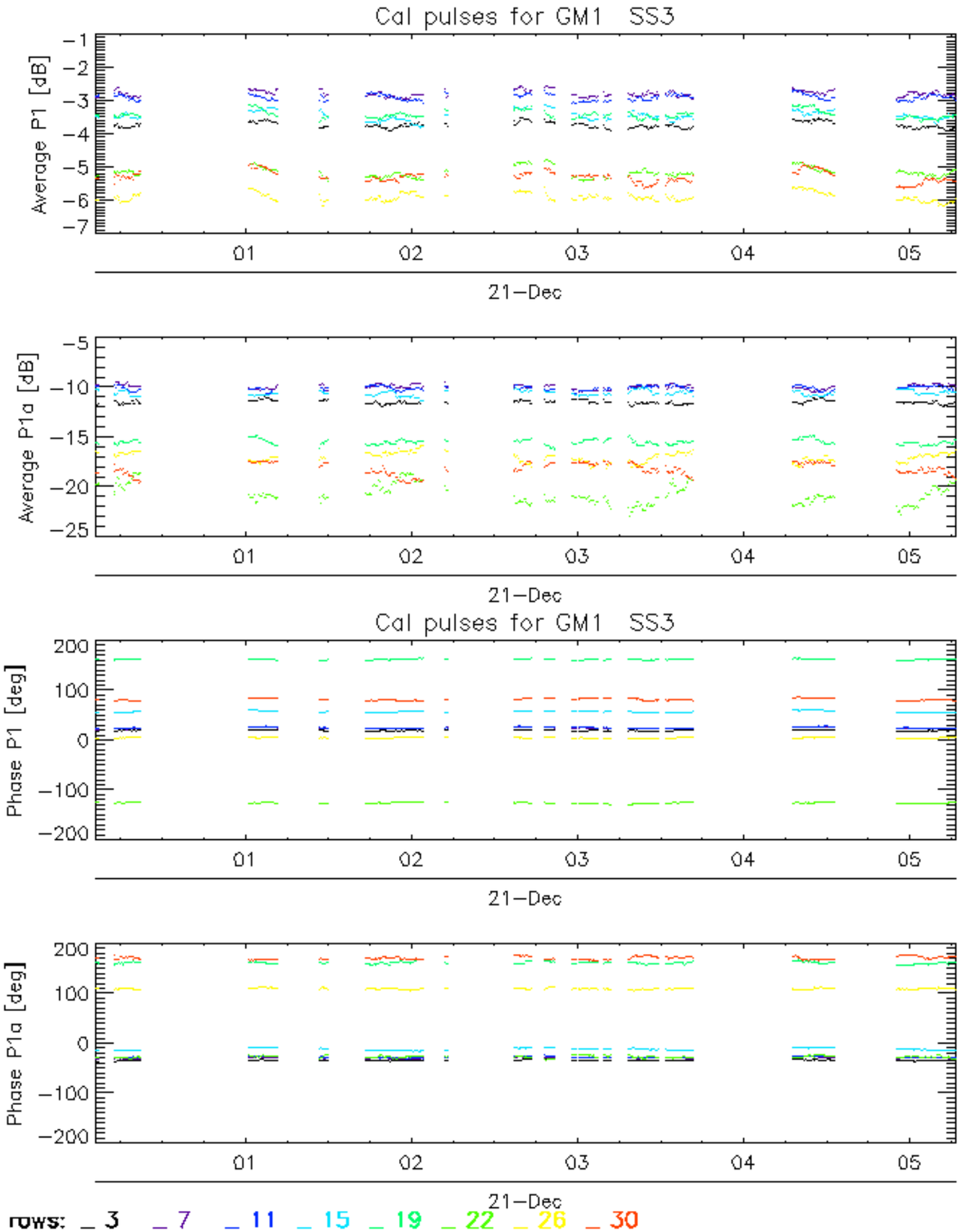
Acsending

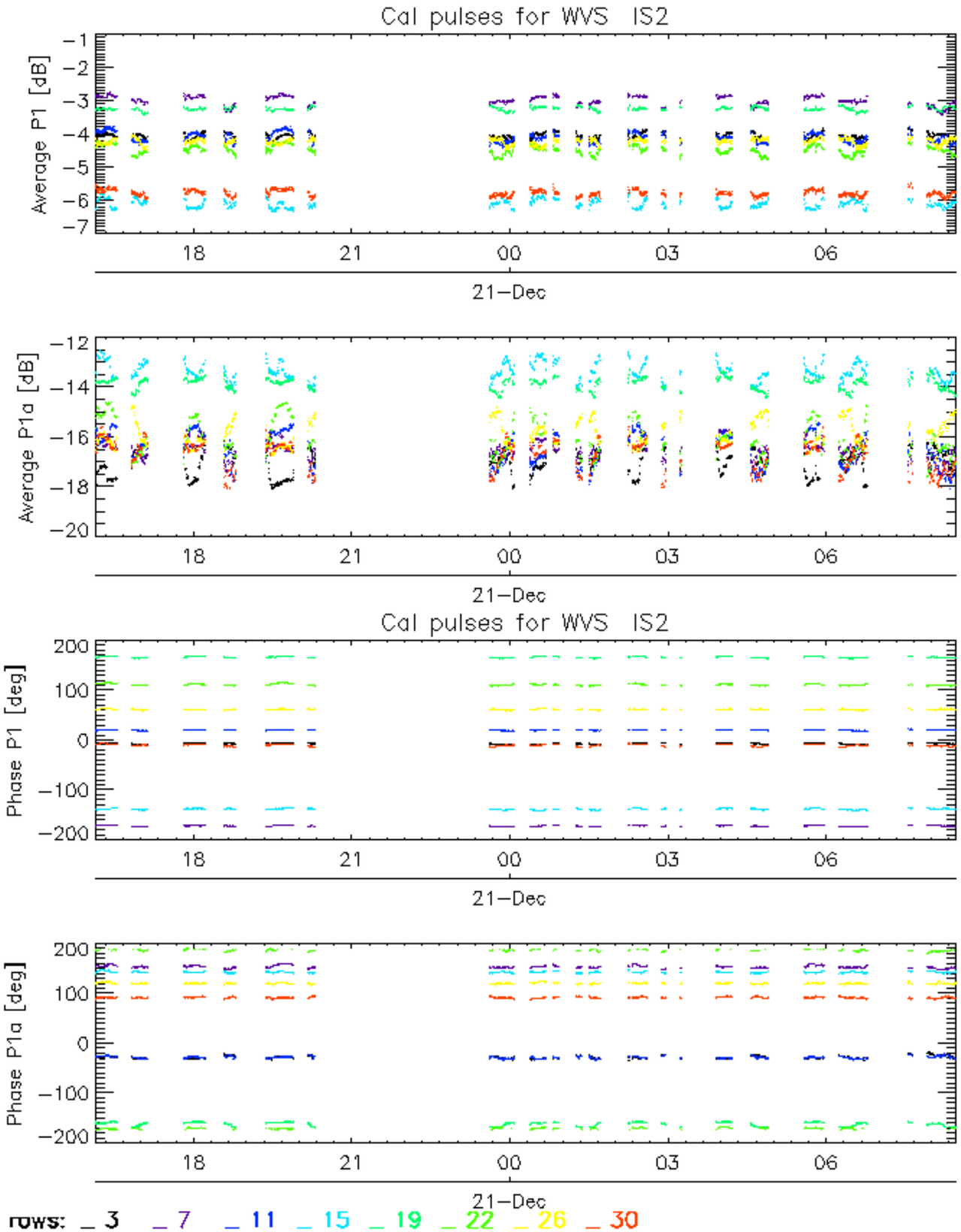


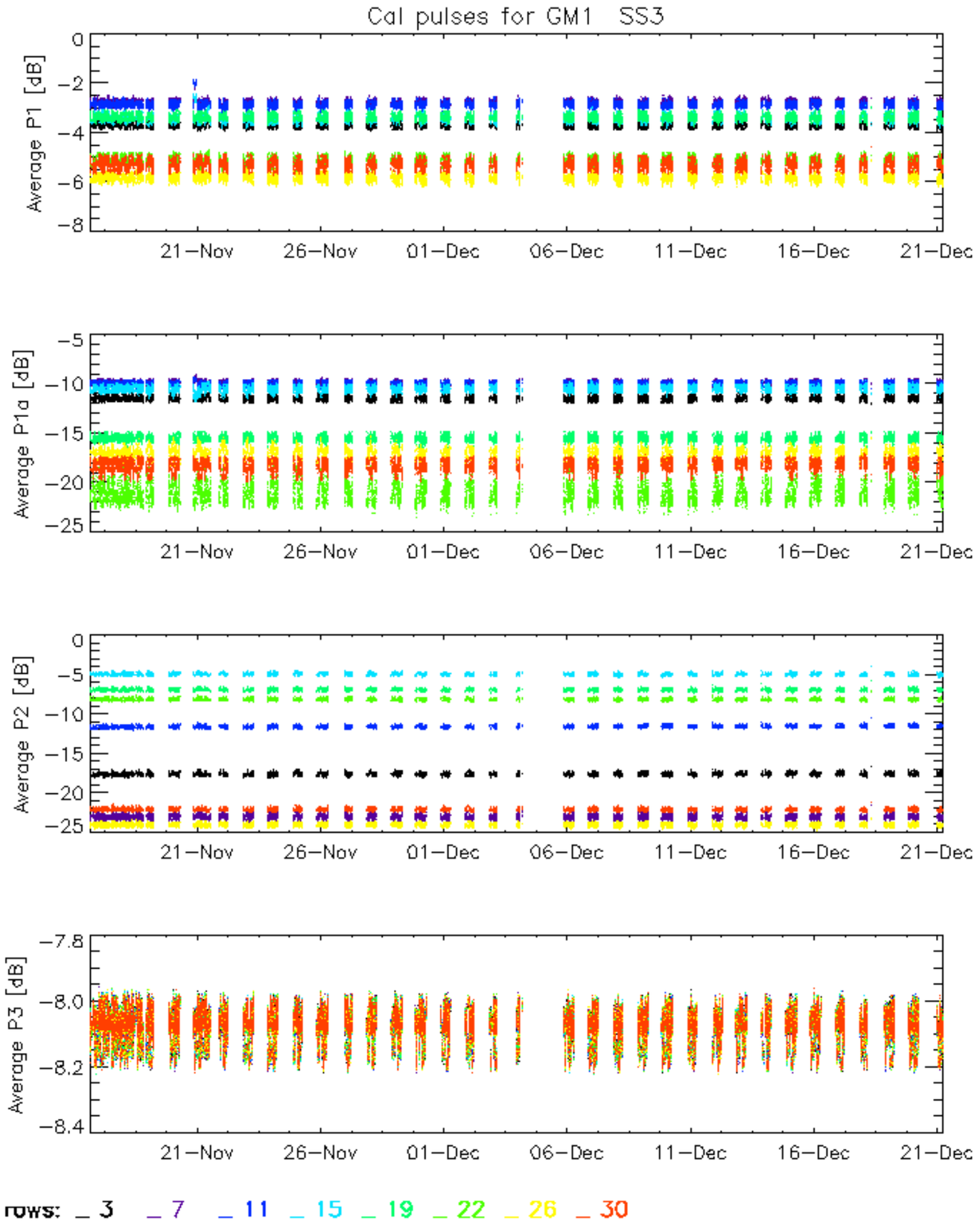
Descending

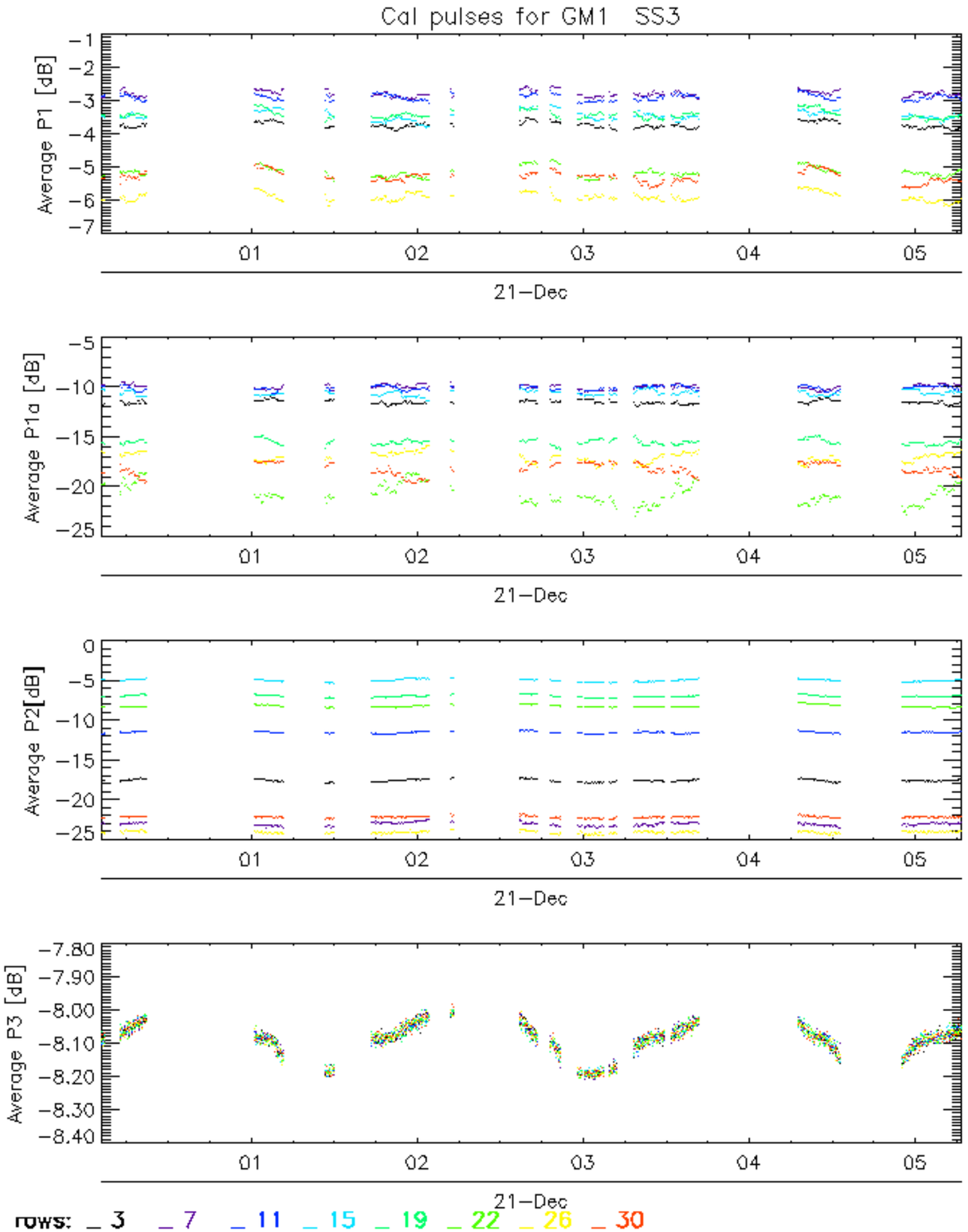
7.6 - Doppler evolution versus ANX for GM1

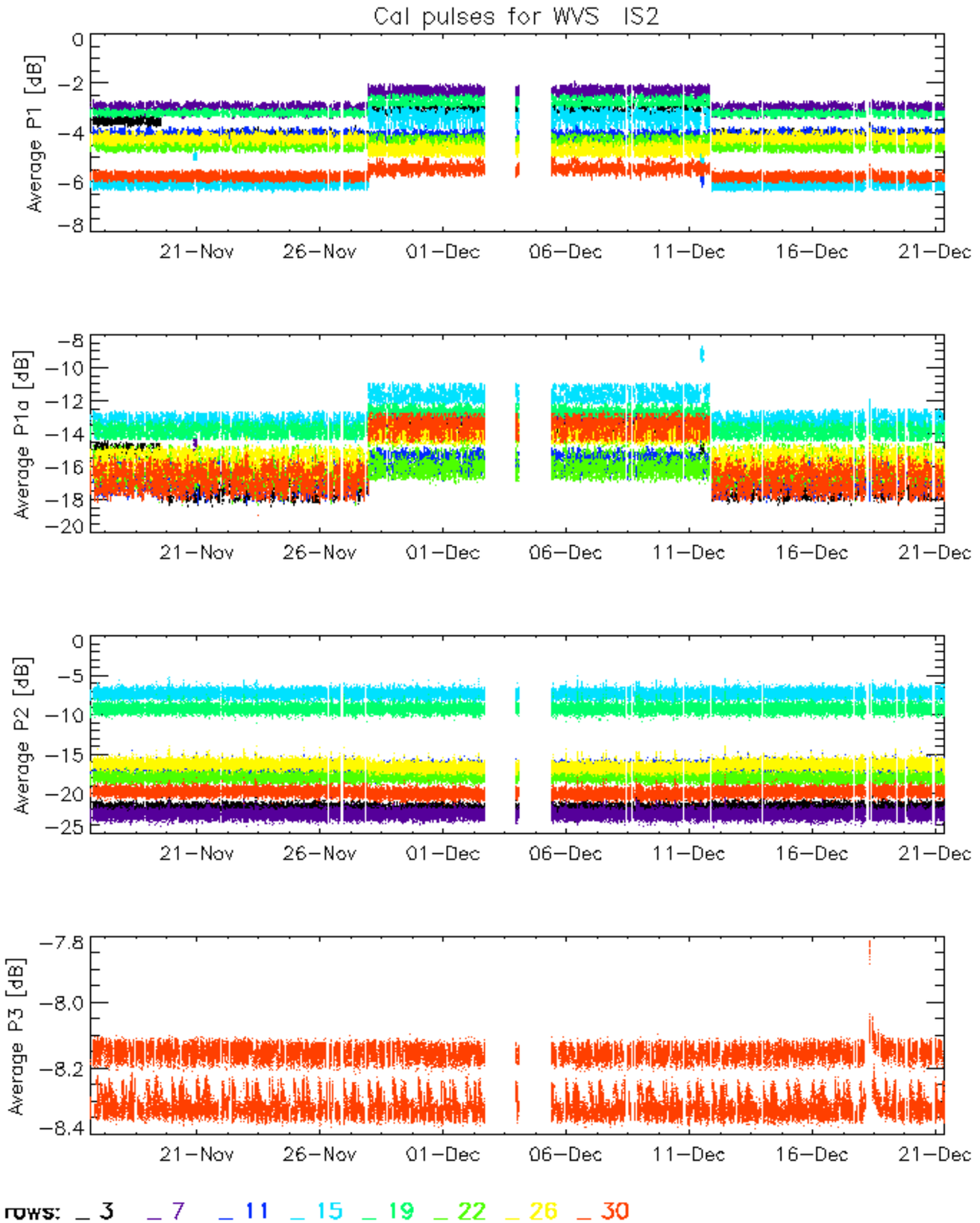
Evolution Doppler error versus ANX

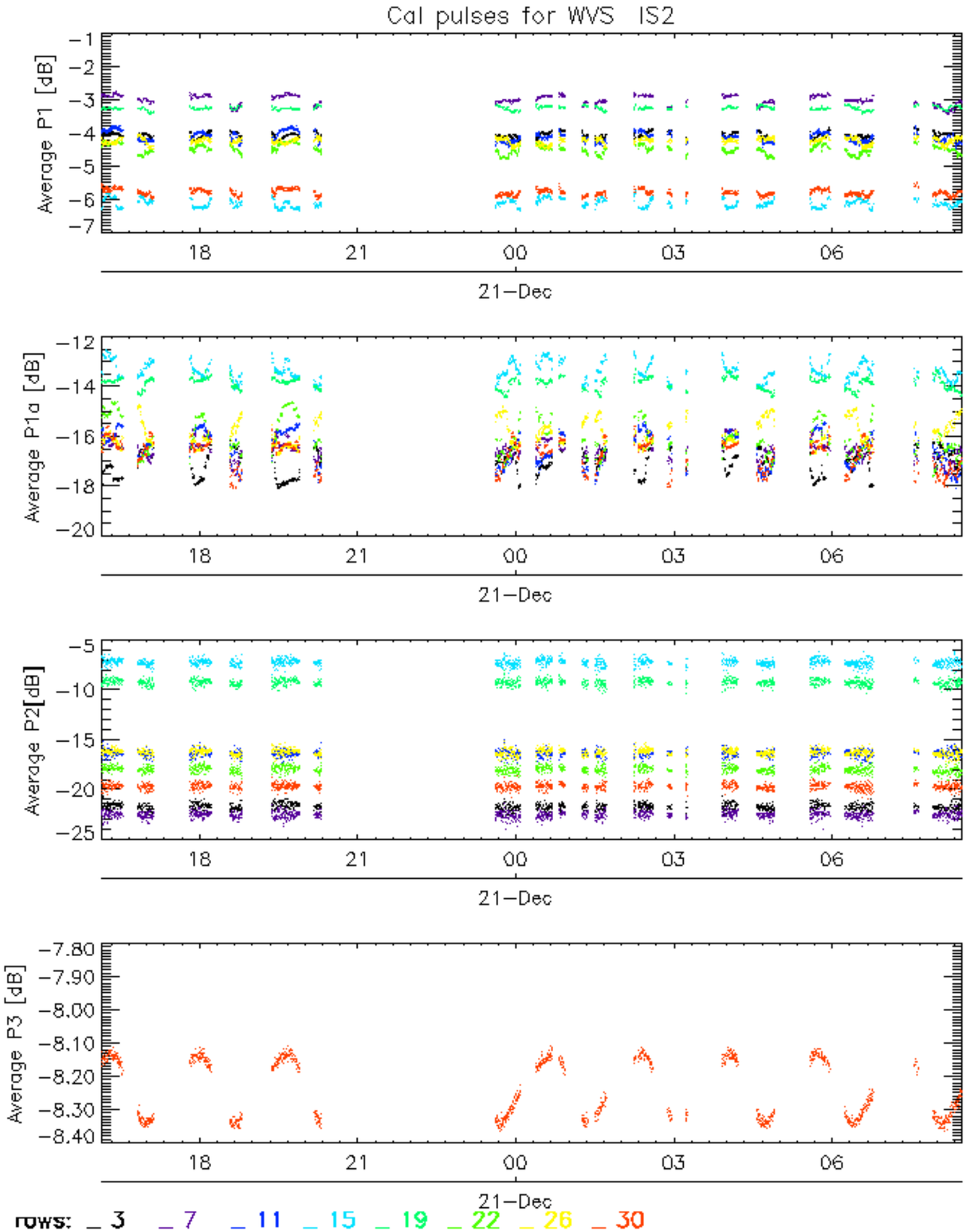

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01
02
03
04
05
21−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
01
02
03
04
05
21−Dec
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
01
02
03
04
05
21−Dec
Phase P1a [deg]
200
100
0
−100
−200
01
02
03
04
05
21−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

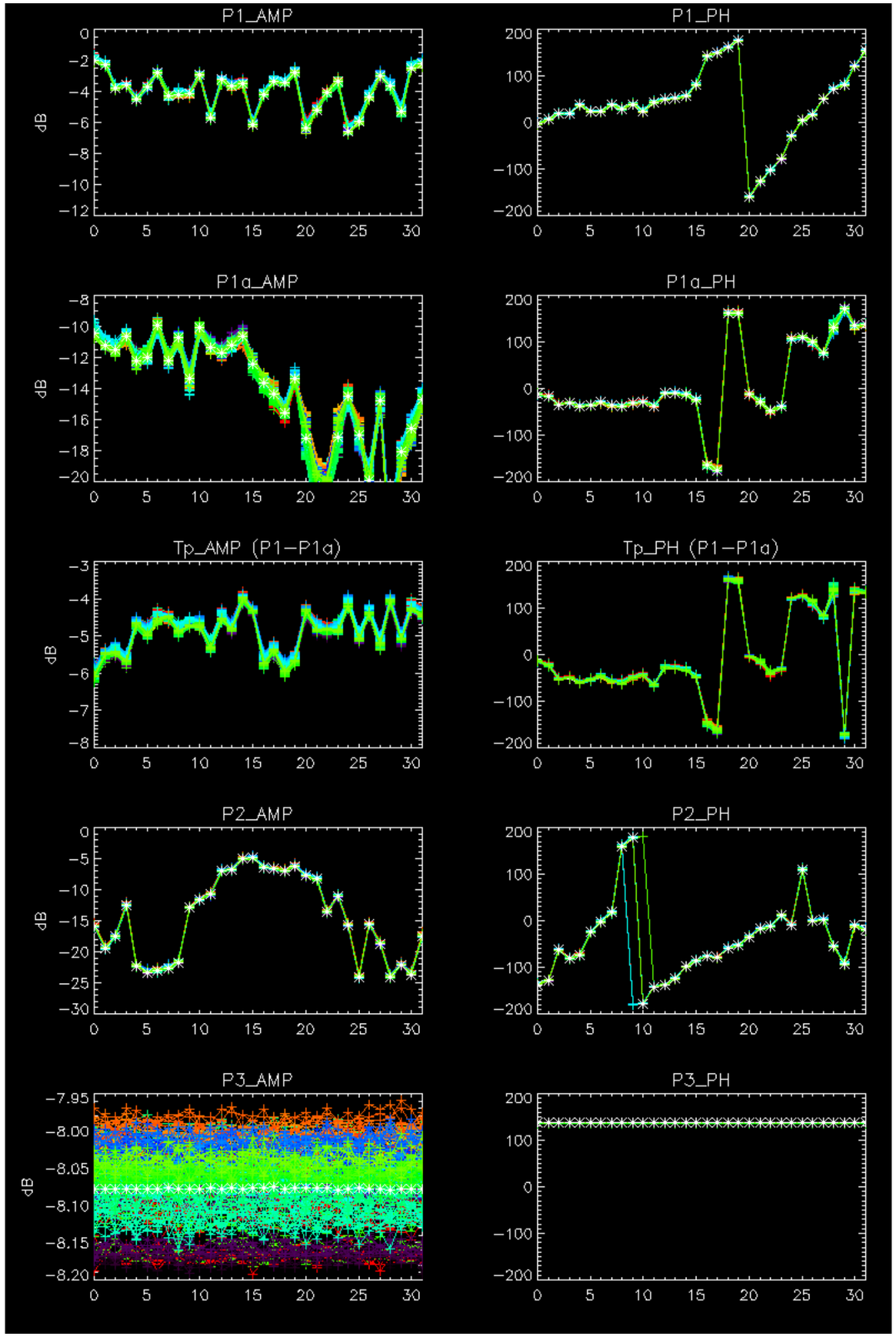

Cal pulses for GM1 SS3
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
01
02
03
04
05
21−Dec
Average P1a [dB]
−5
−10
−15
−20
−25
01
02
03
04
05
21−Dec
Average P2[dB]
0
−5
−10
−15
−20
−25
01
02
03
04
05
21−Dec
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
01
02
03
04
05
21−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

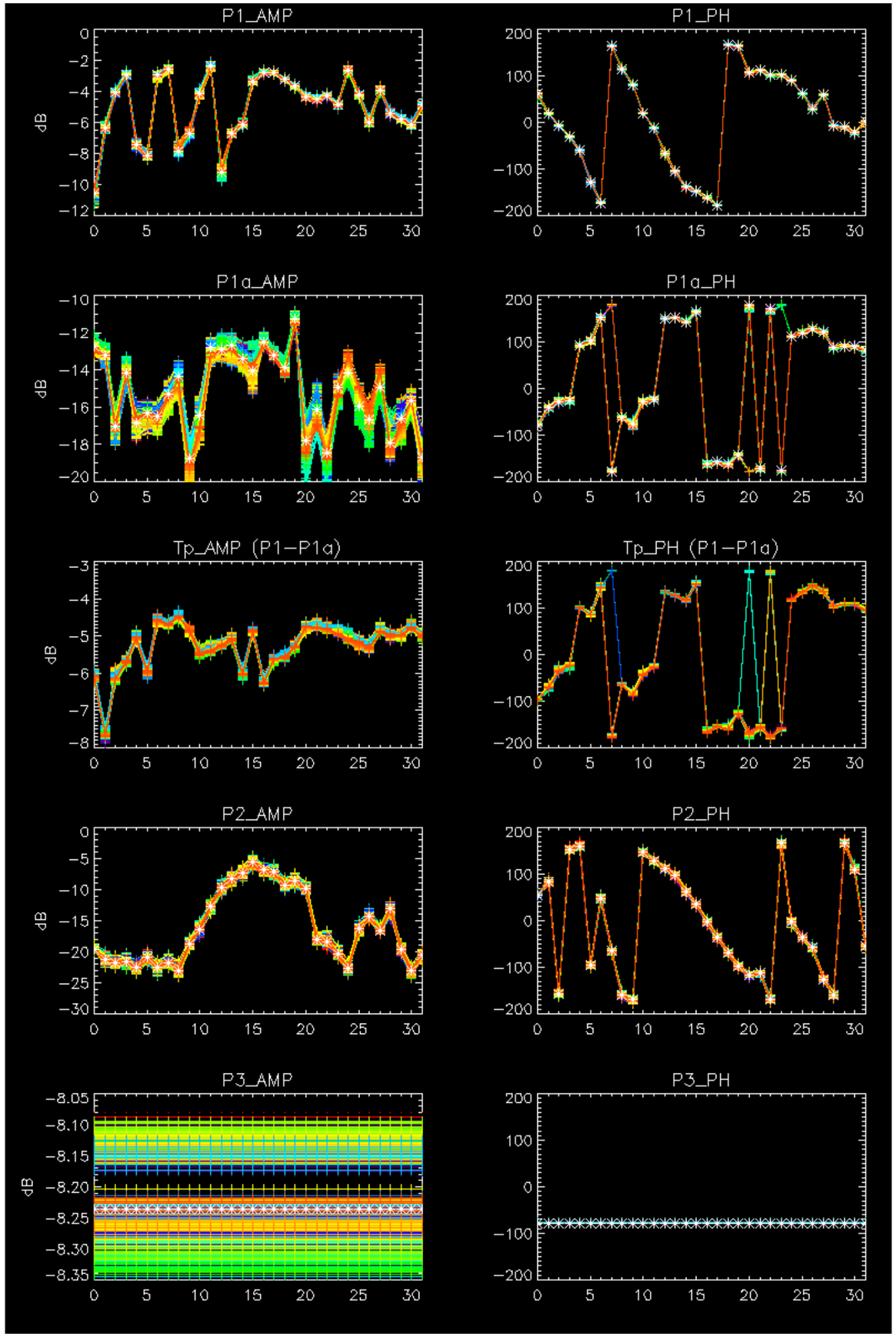

Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2 [dB]
0
−5
−10
−15
−20
−25
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

No anomalies observed on available browse products

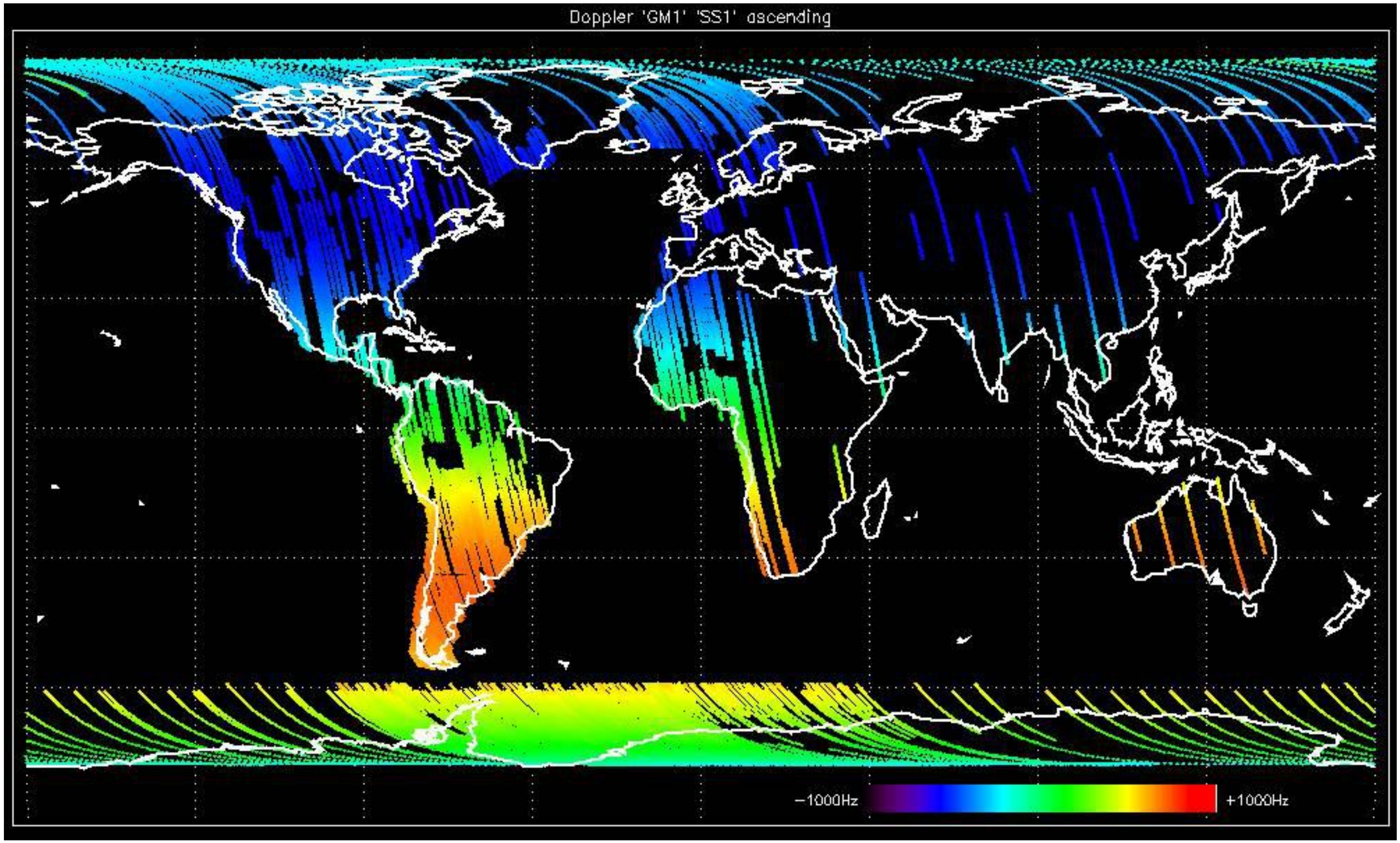
No anomalies observed.

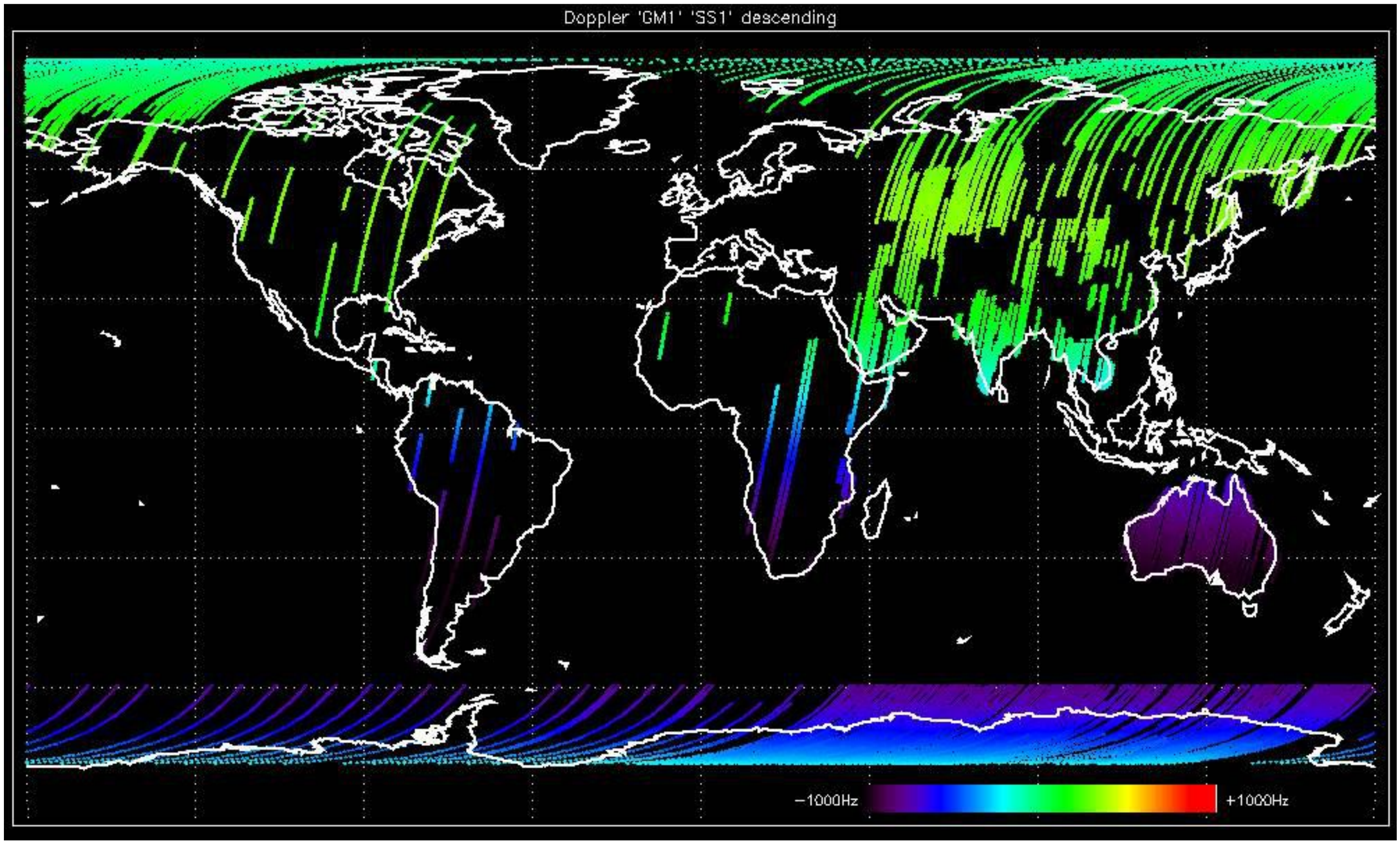

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

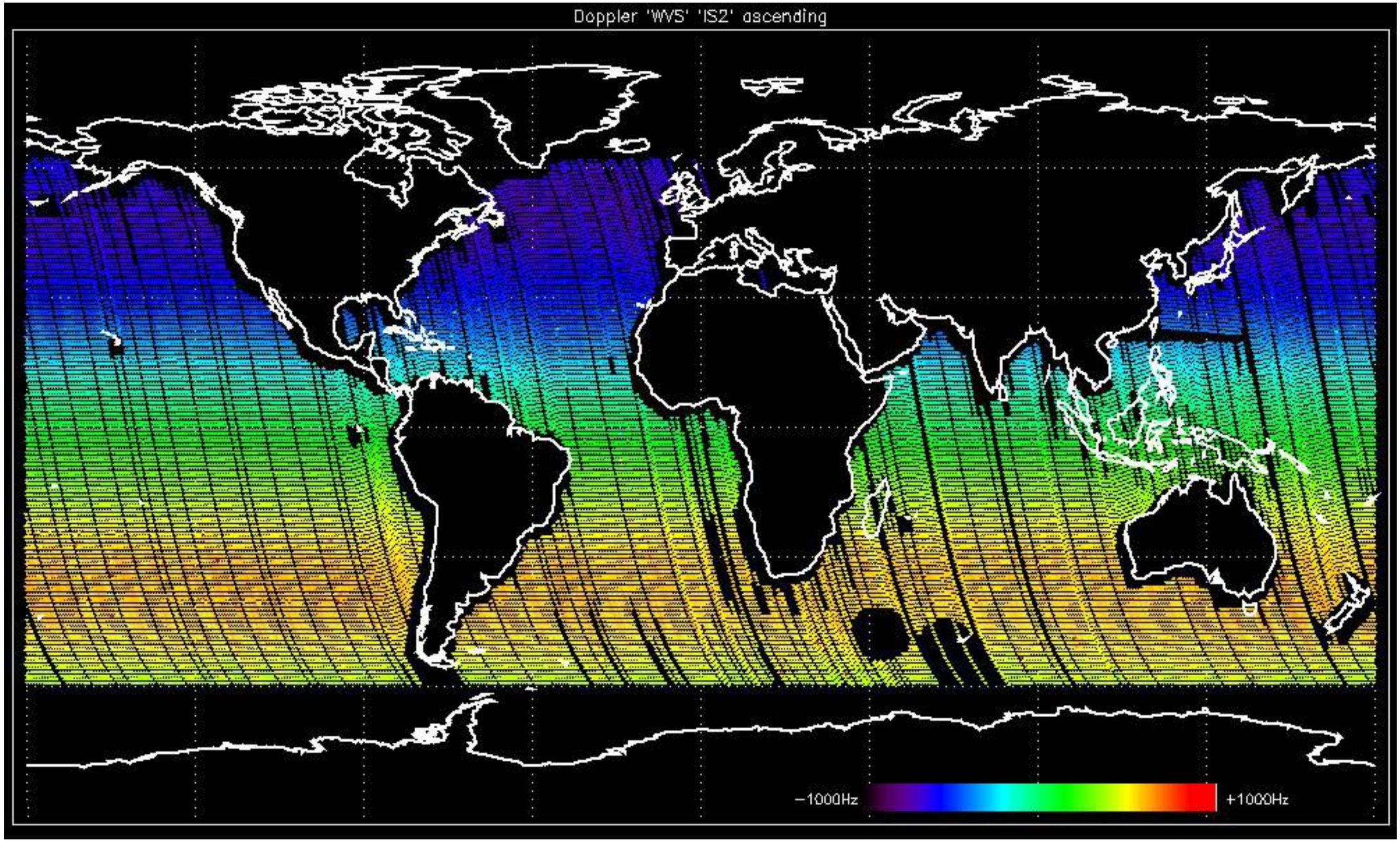

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

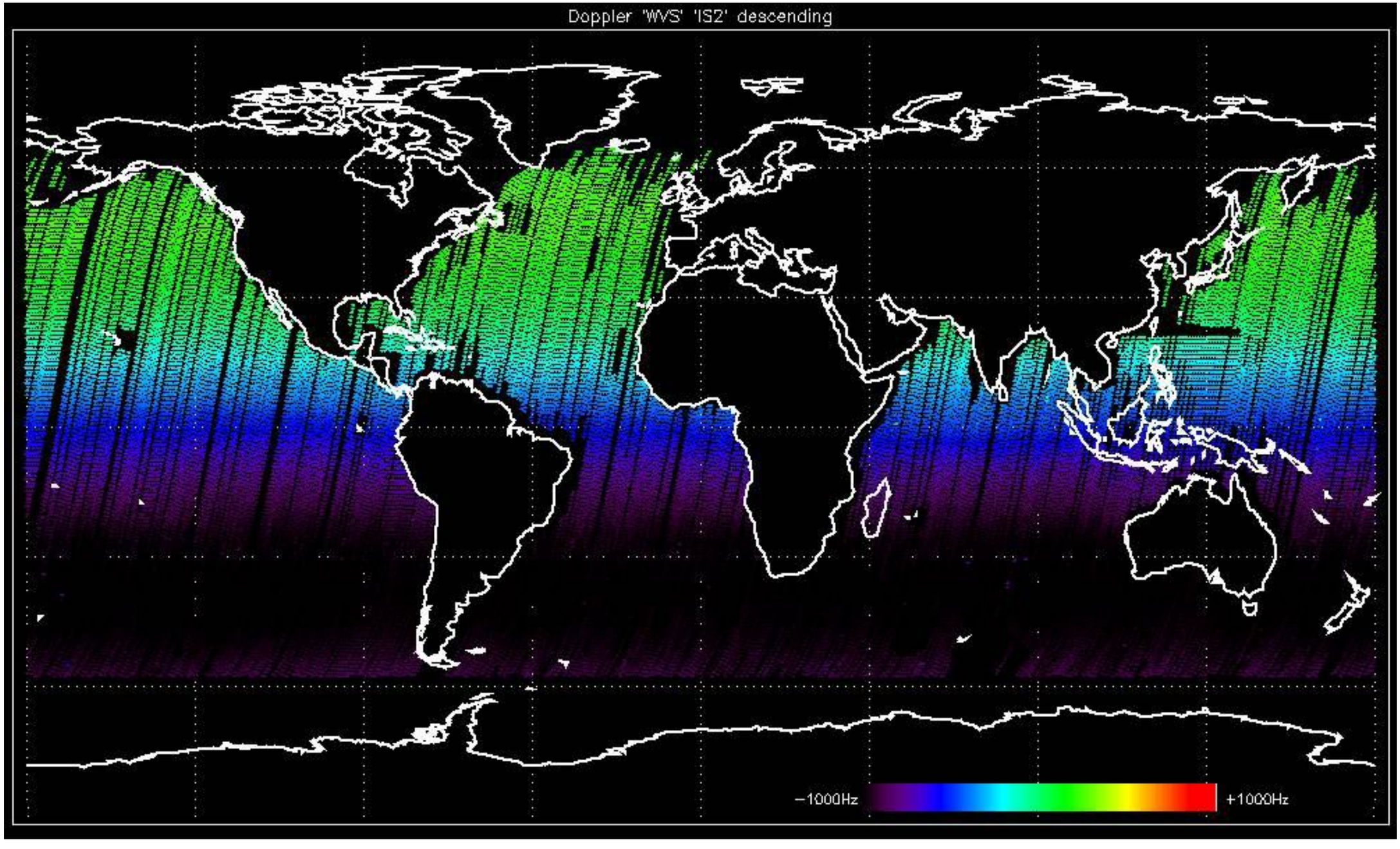
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

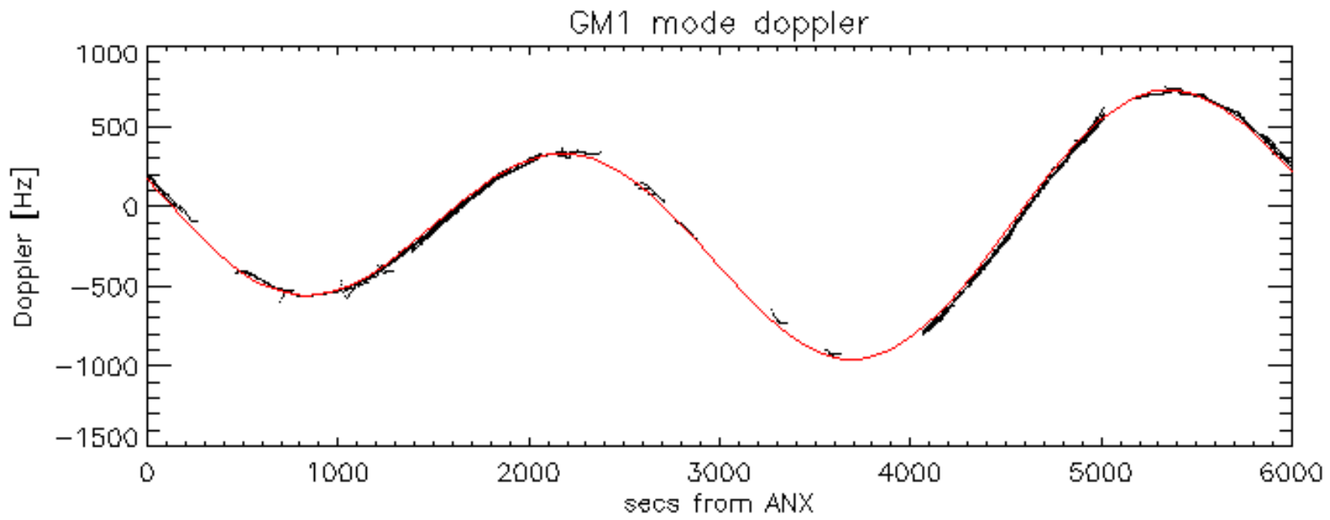
Preliminary report.The data is not yet controled

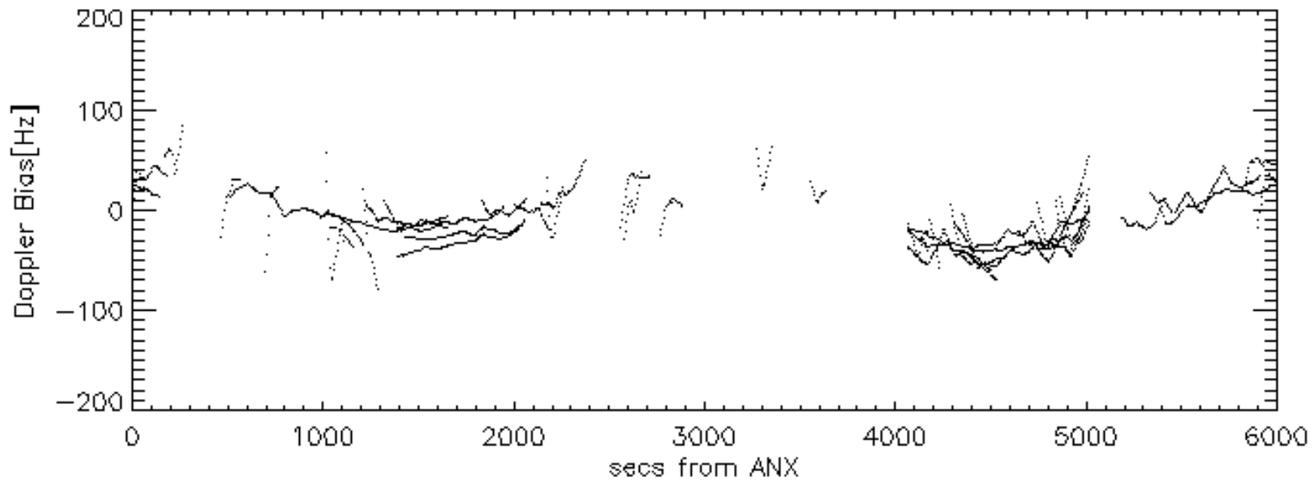

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

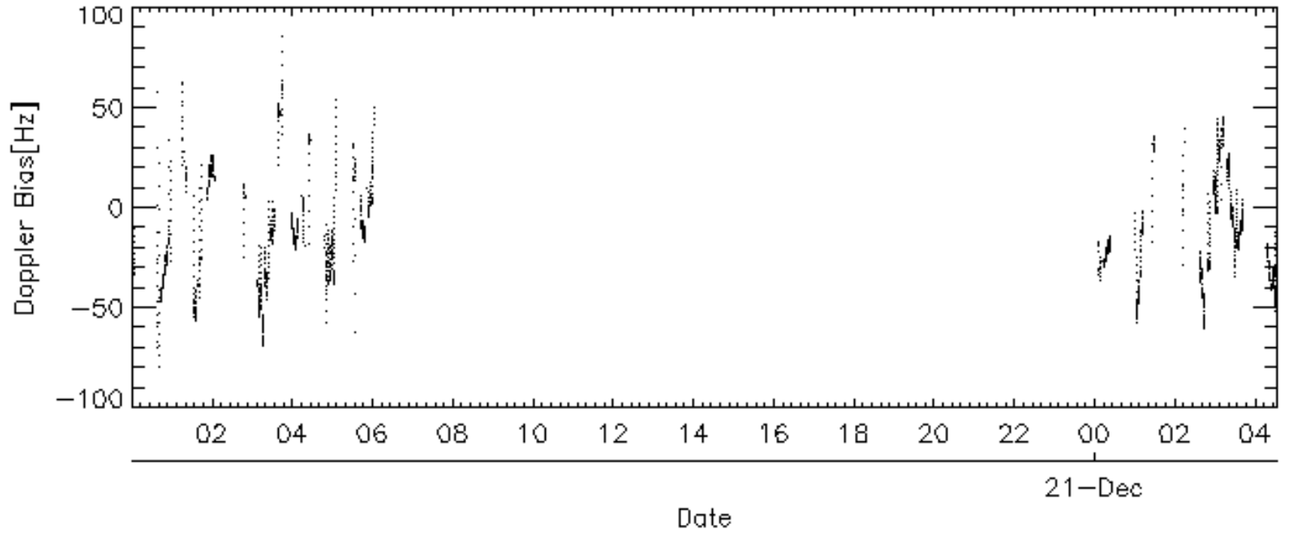

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

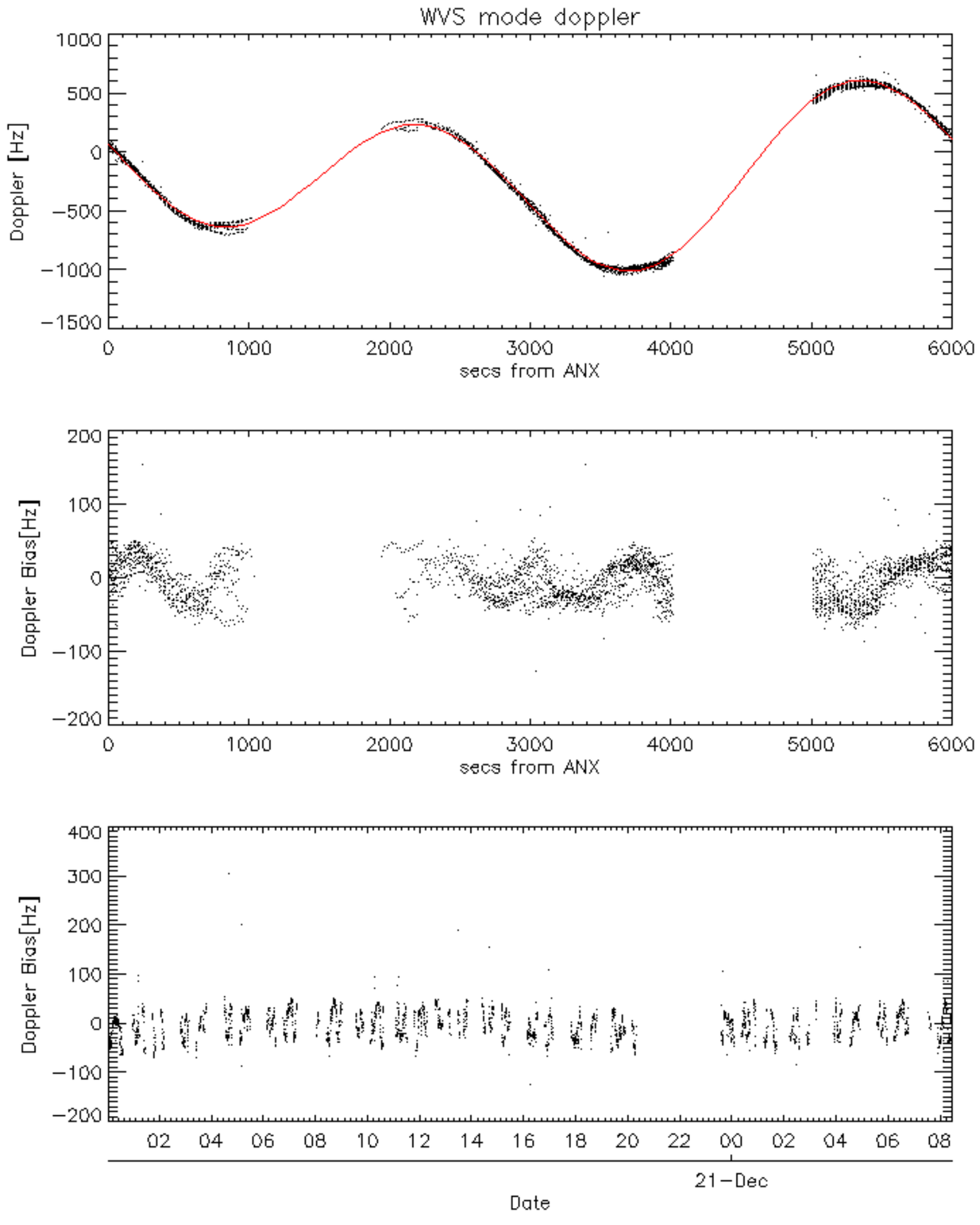

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

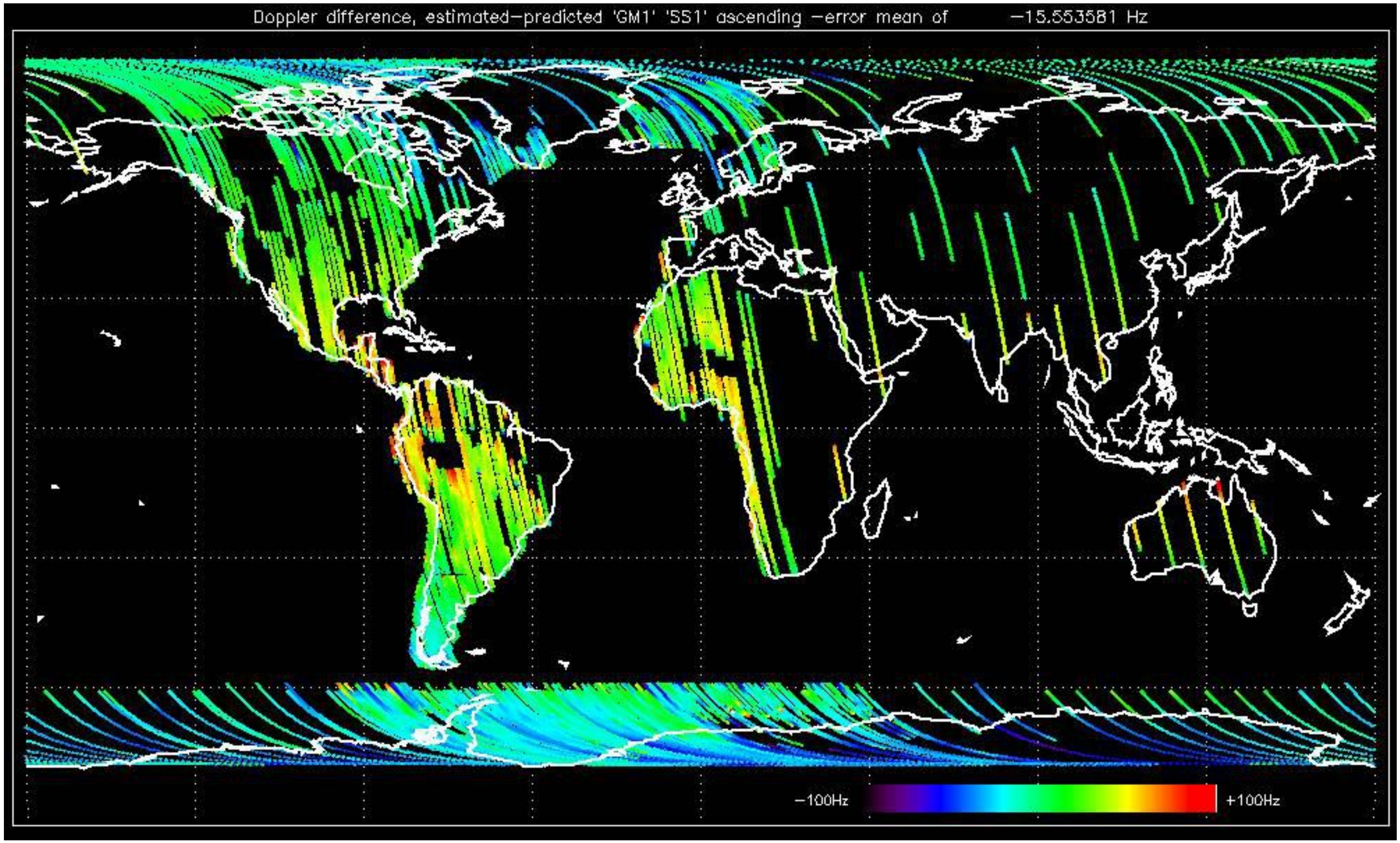

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

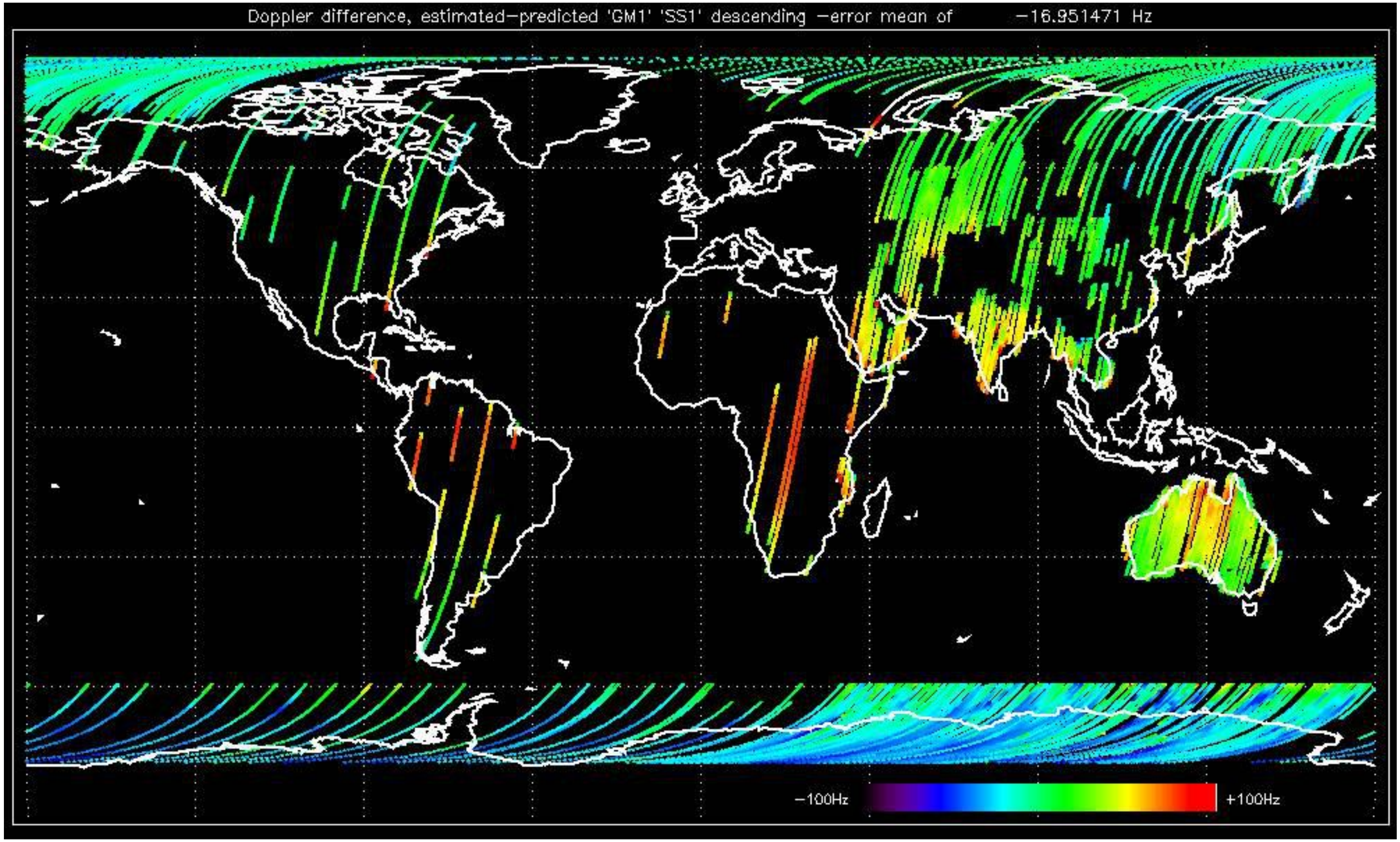

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

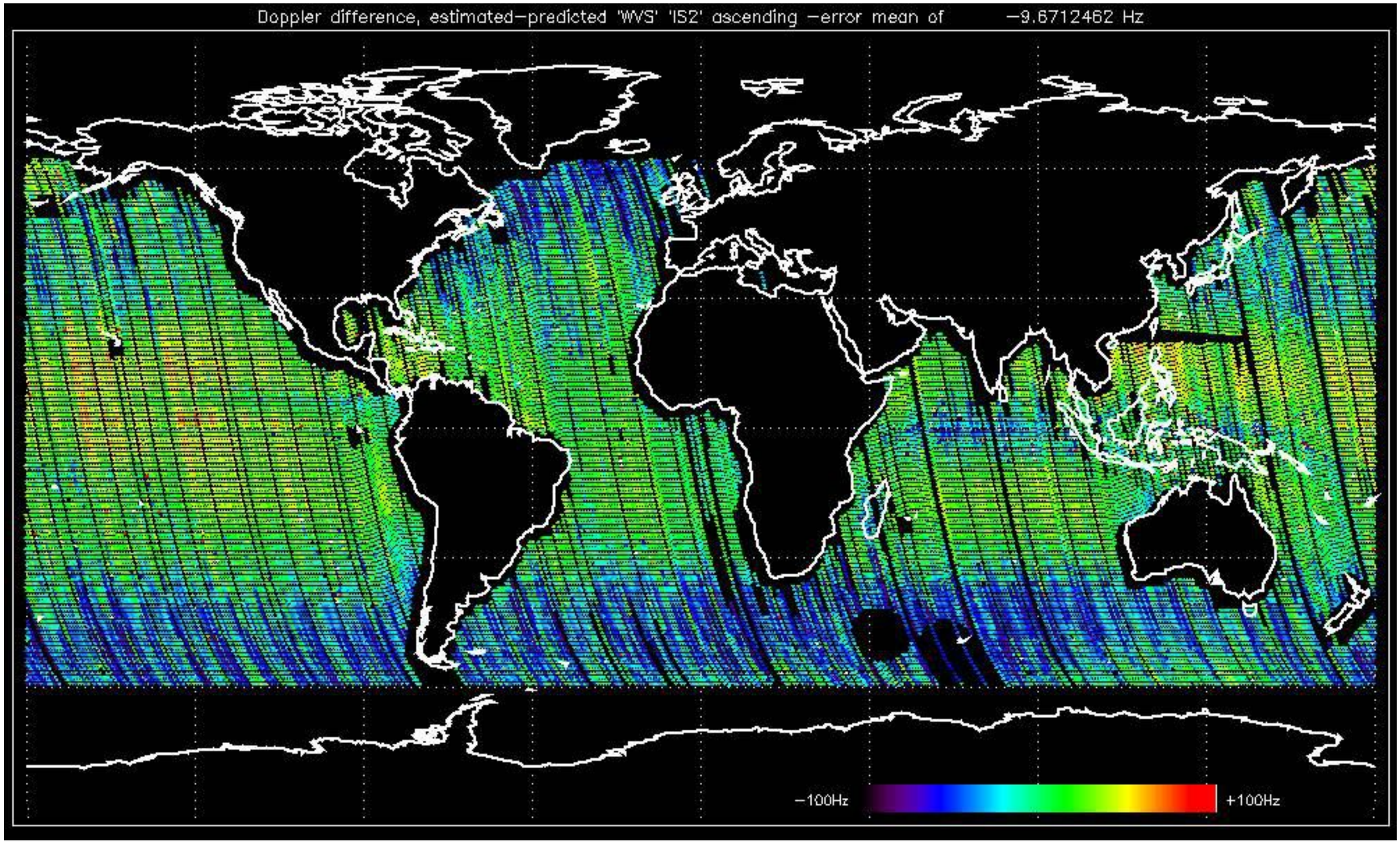

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

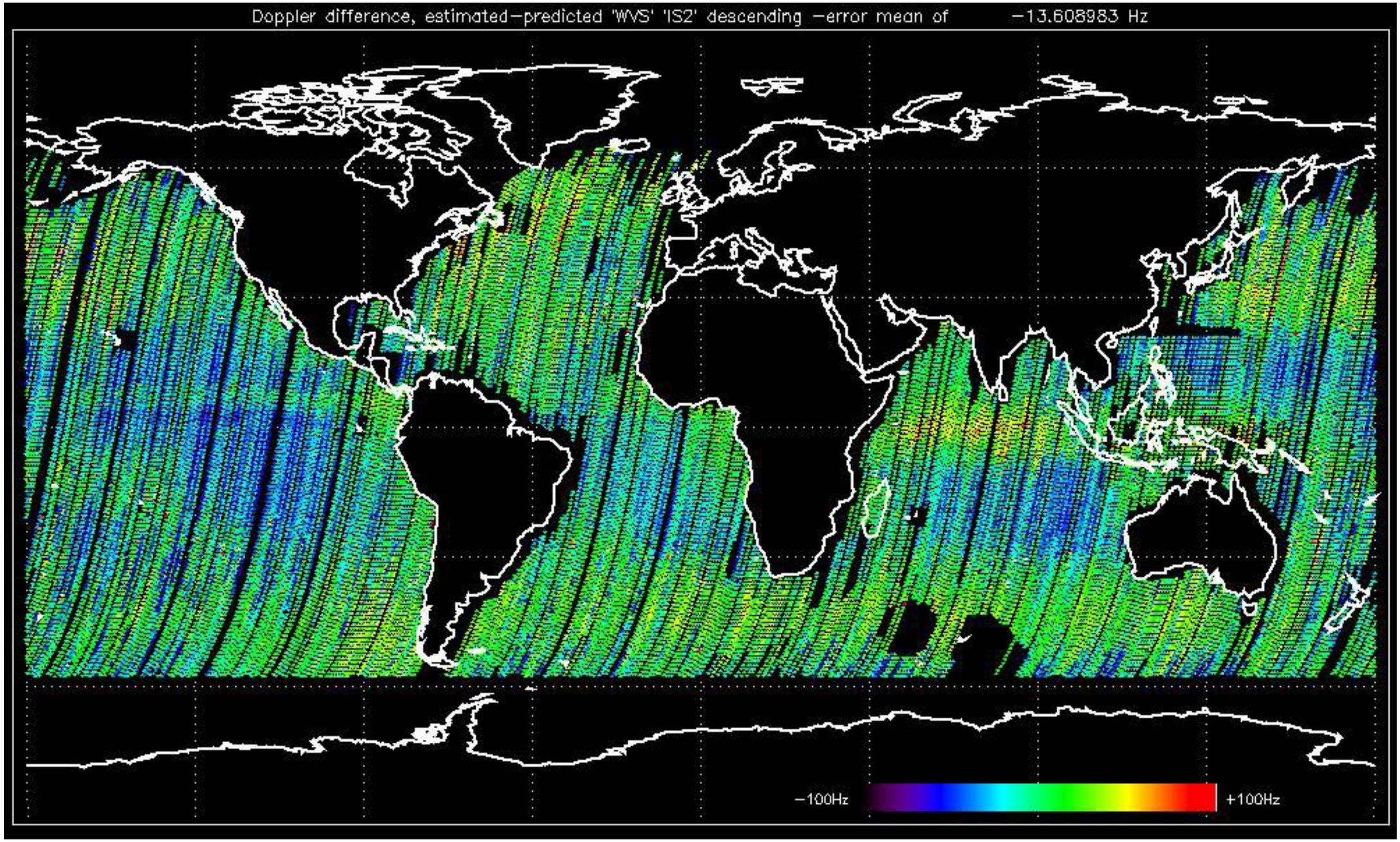

Doppler Bias[Hz]
100
50
0
−50
−100
02
04
06
08
10
12
14
16
18
20
22
00
02
04
21−Dec
Date


WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
400
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
21−Dec
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −15.553581 Hz
−100Hz
+100Hz

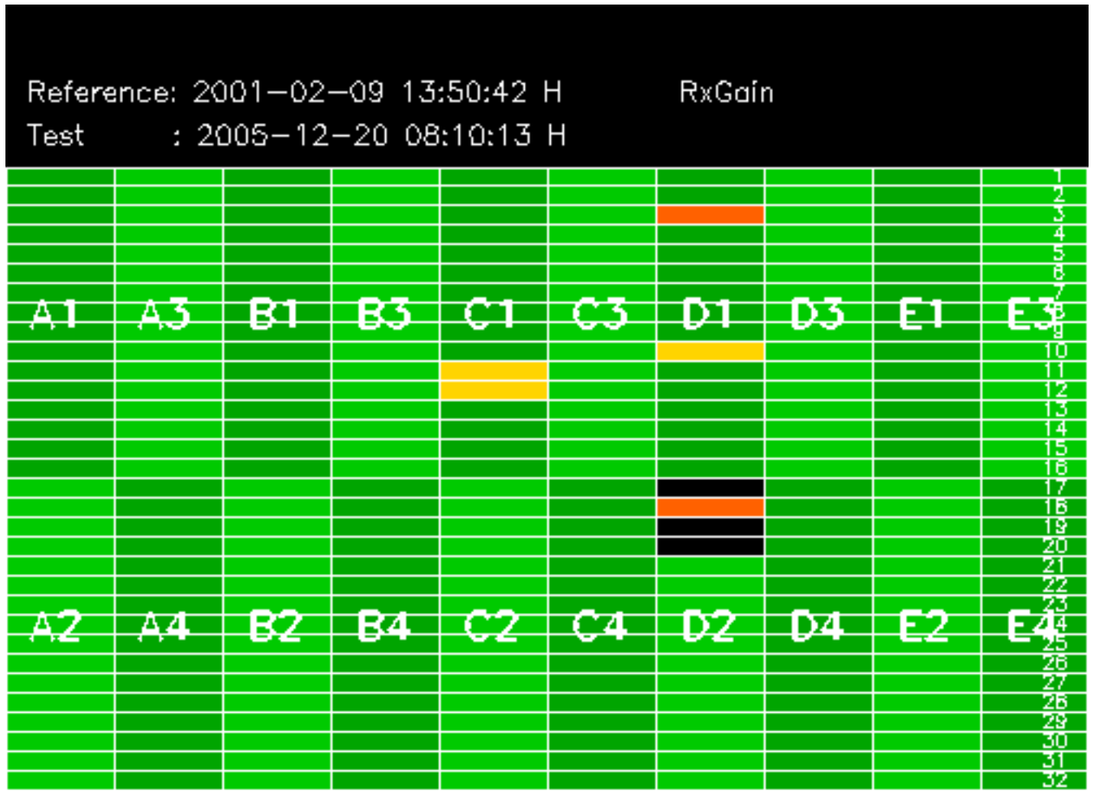

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -16.951471 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −9.6712462 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −13.608983 Hz
−100Hz
+100Hz

No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-20 08:10:13 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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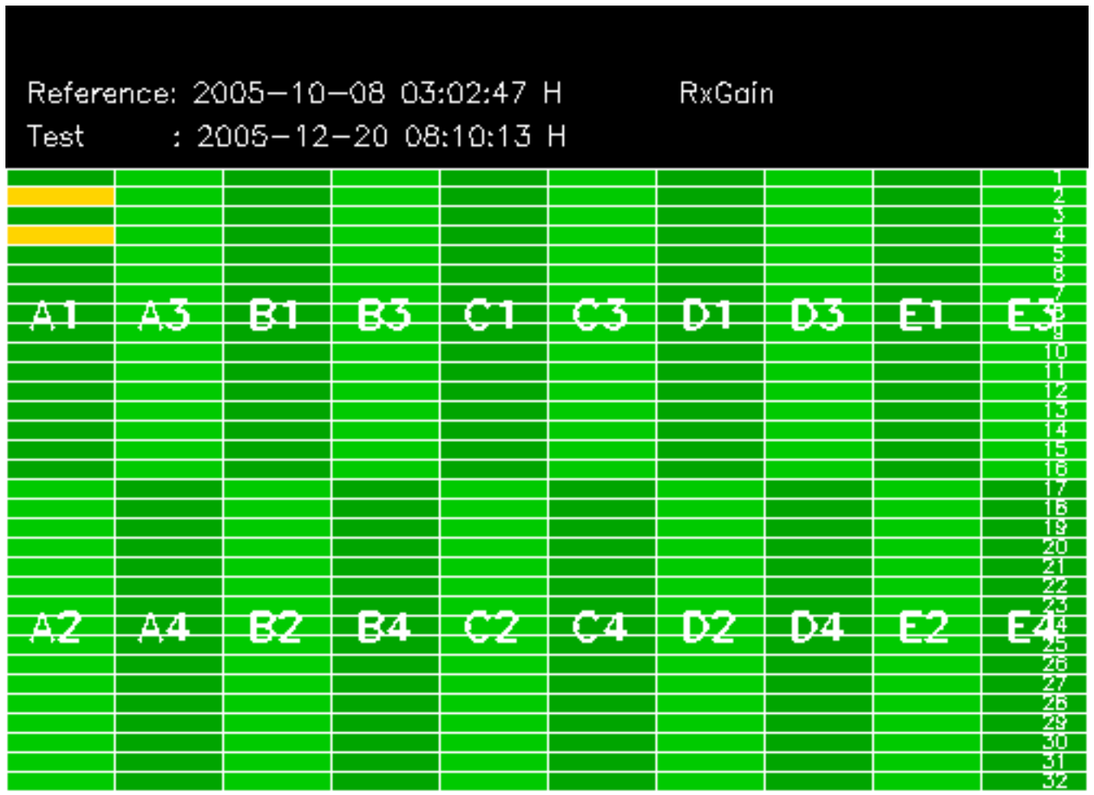
Reference: 2005-10-08 03:02:47 H
RxGain
Test : 2005-12-20 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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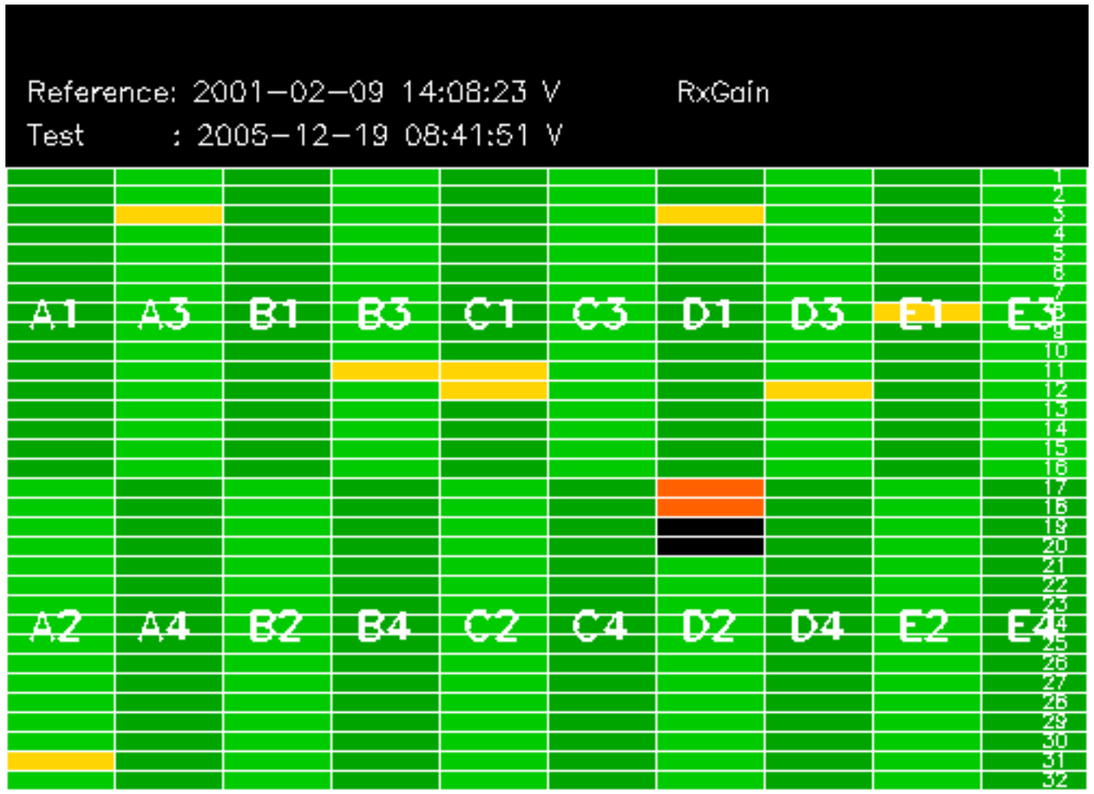
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-19 08:41:51 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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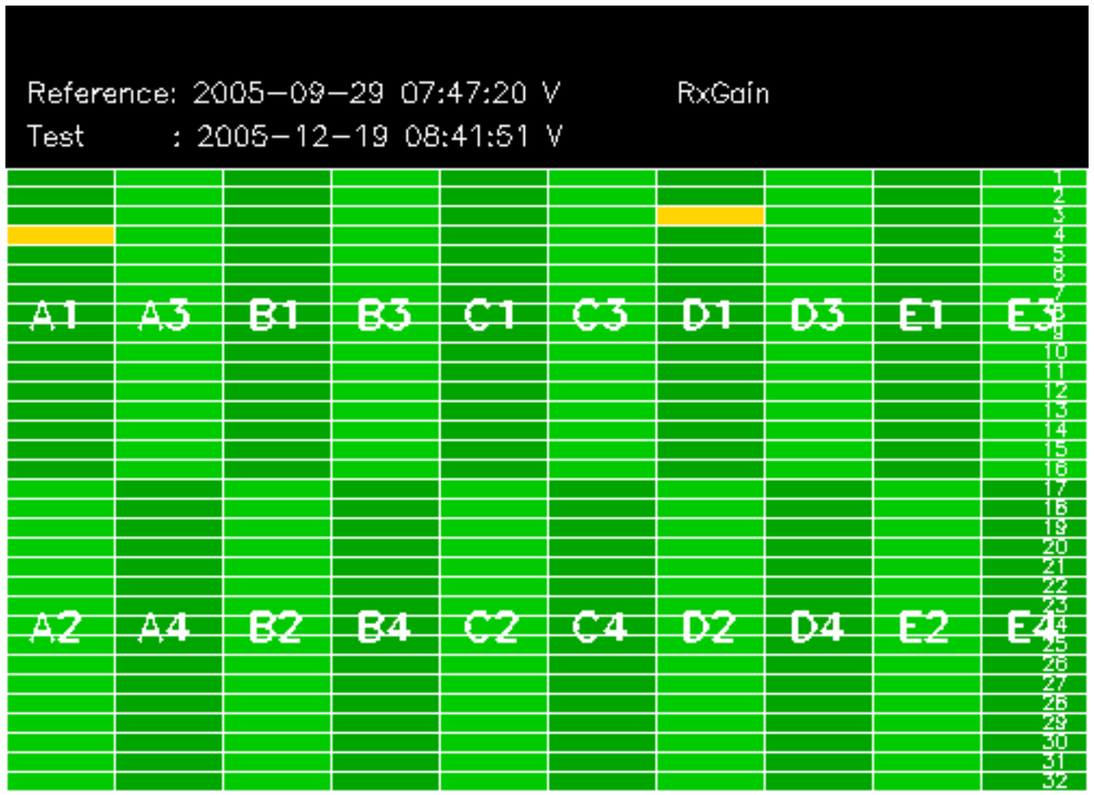
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-19 08:41:51 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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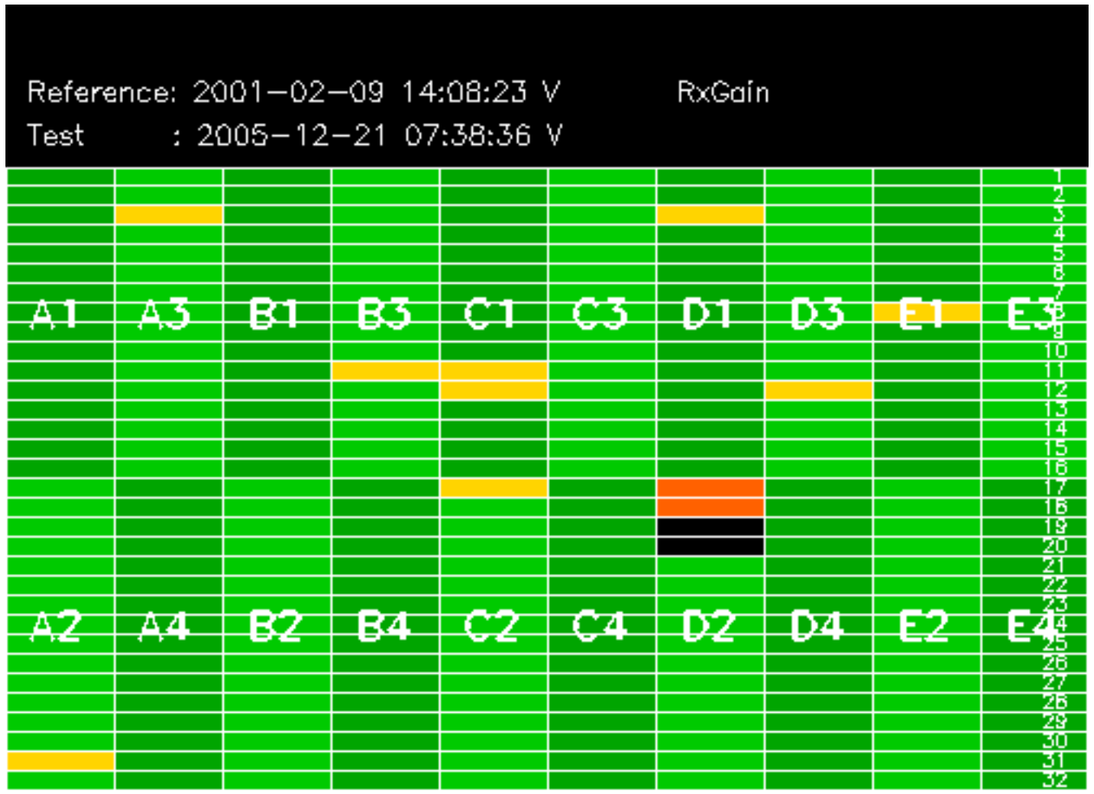
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-21 07:38:36 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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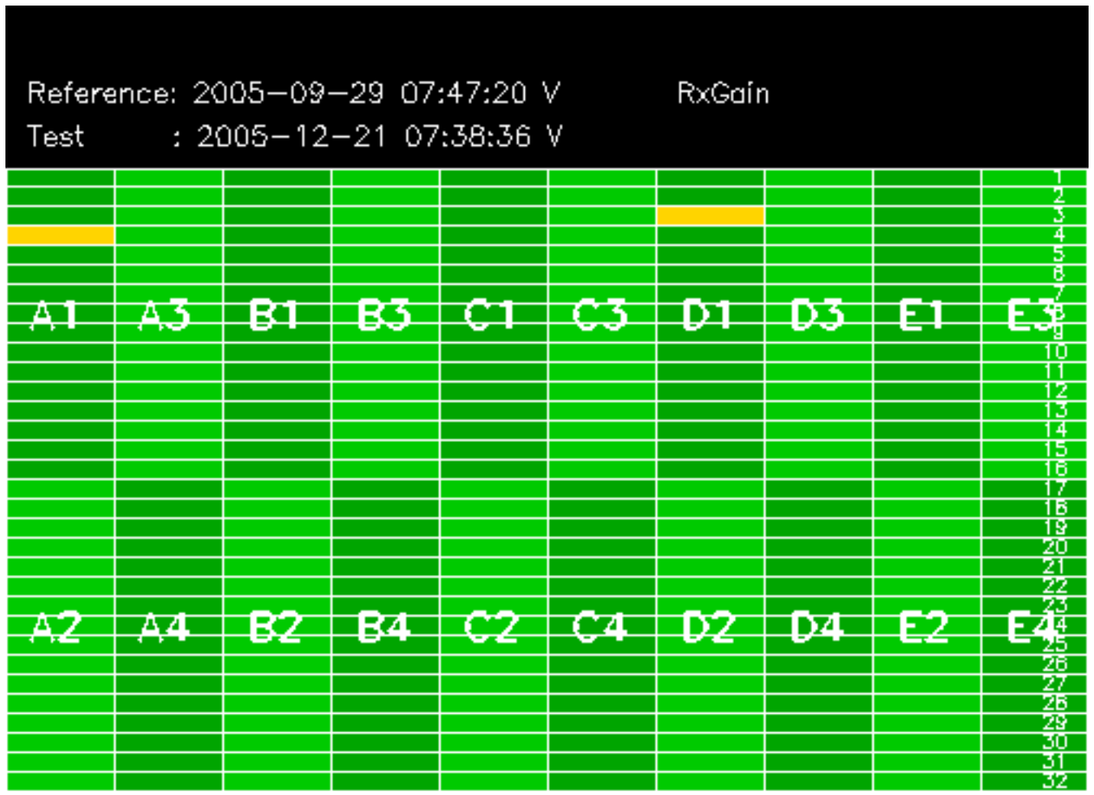
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-21 07:38:36 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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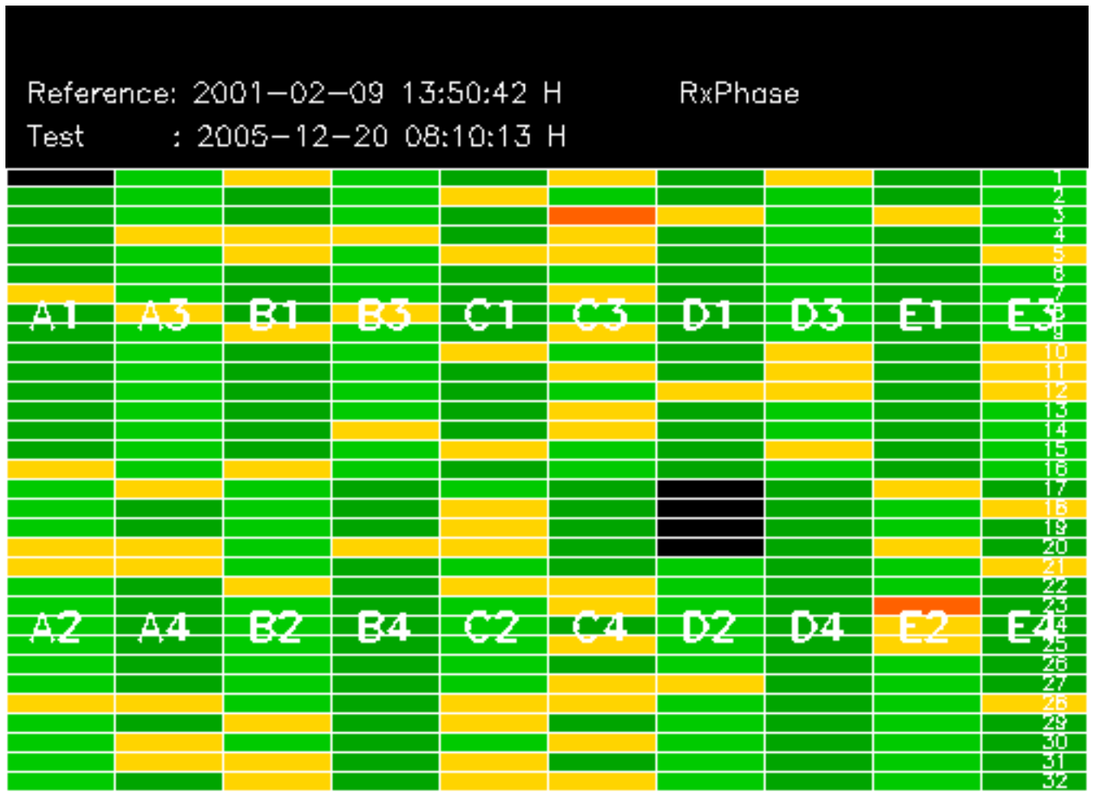
Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-12-20 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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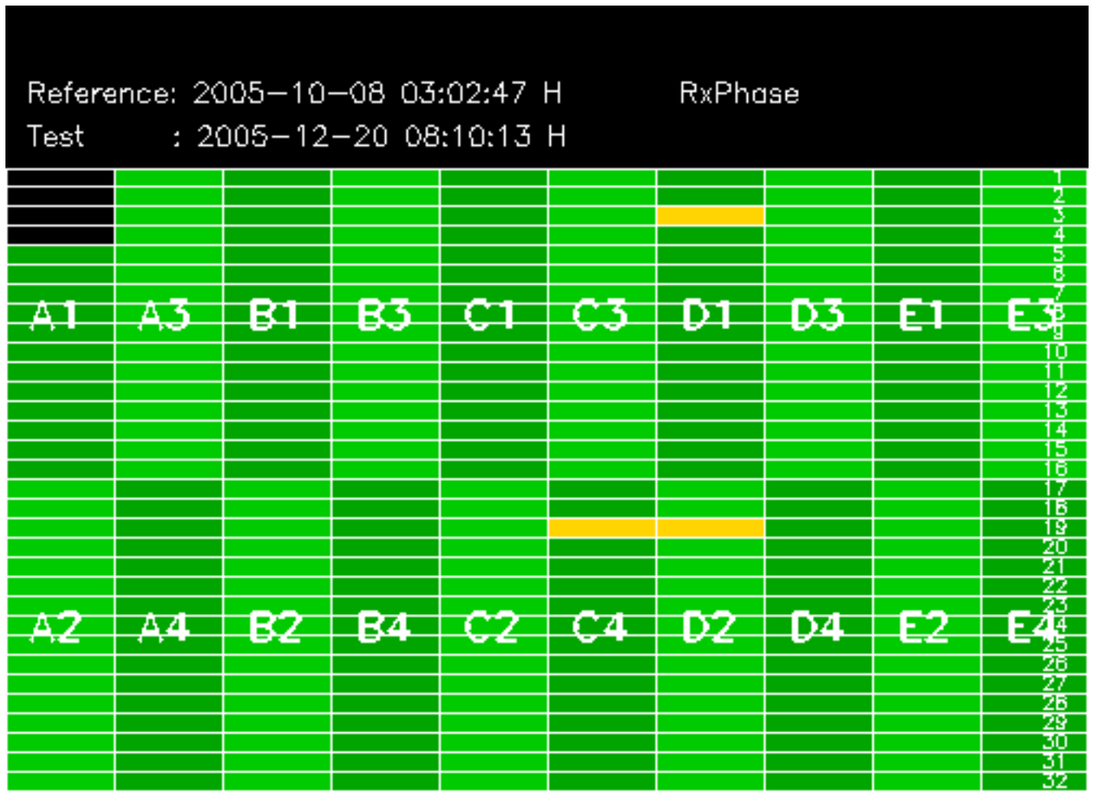
Reference: 2005-10-08 03:02:47 H
RxPhase
Test : 2005-12-20 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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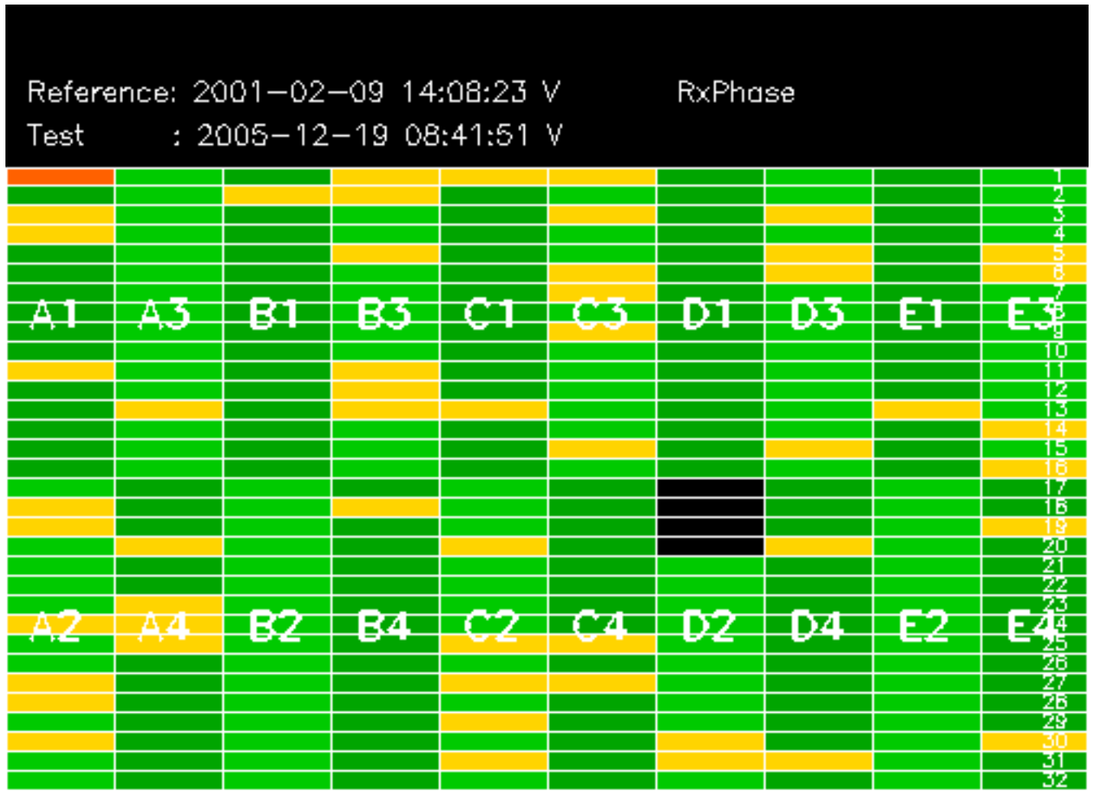
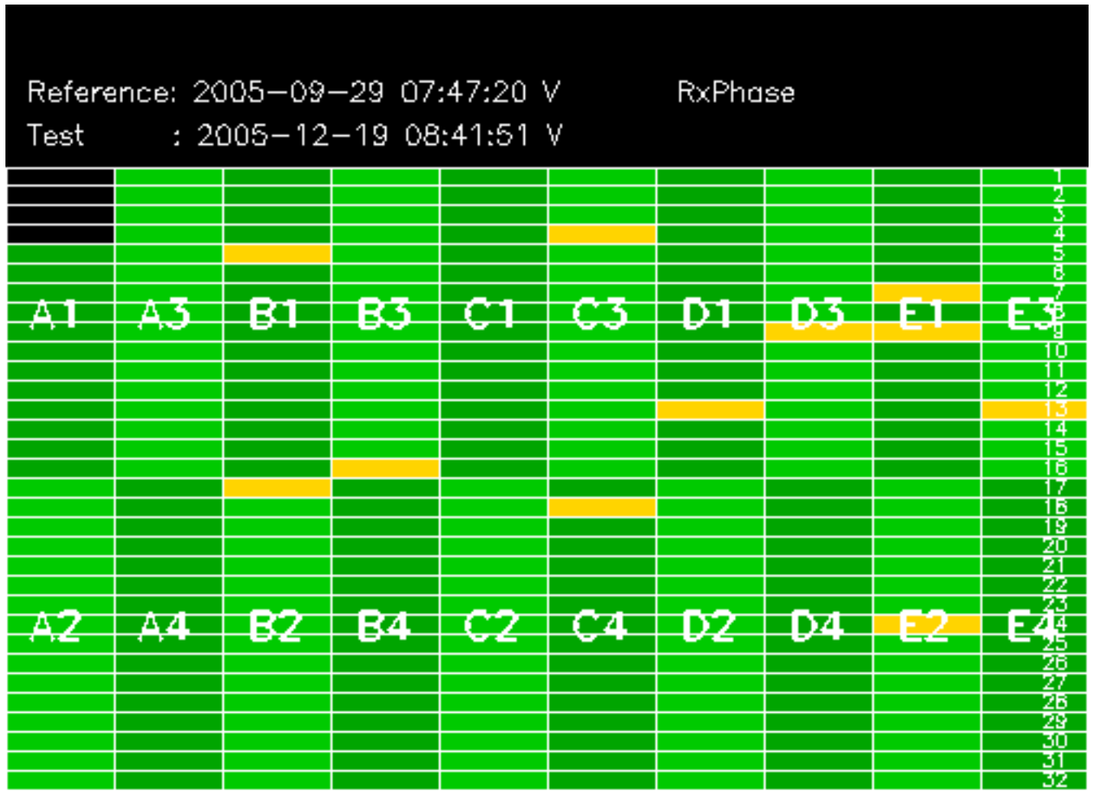

Reference: 2001-02-09 14:08:23 V
Test : 2005-12-19 08:41:51 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-29 07:47:20 V
Test : 2005-12-19 08:41:51 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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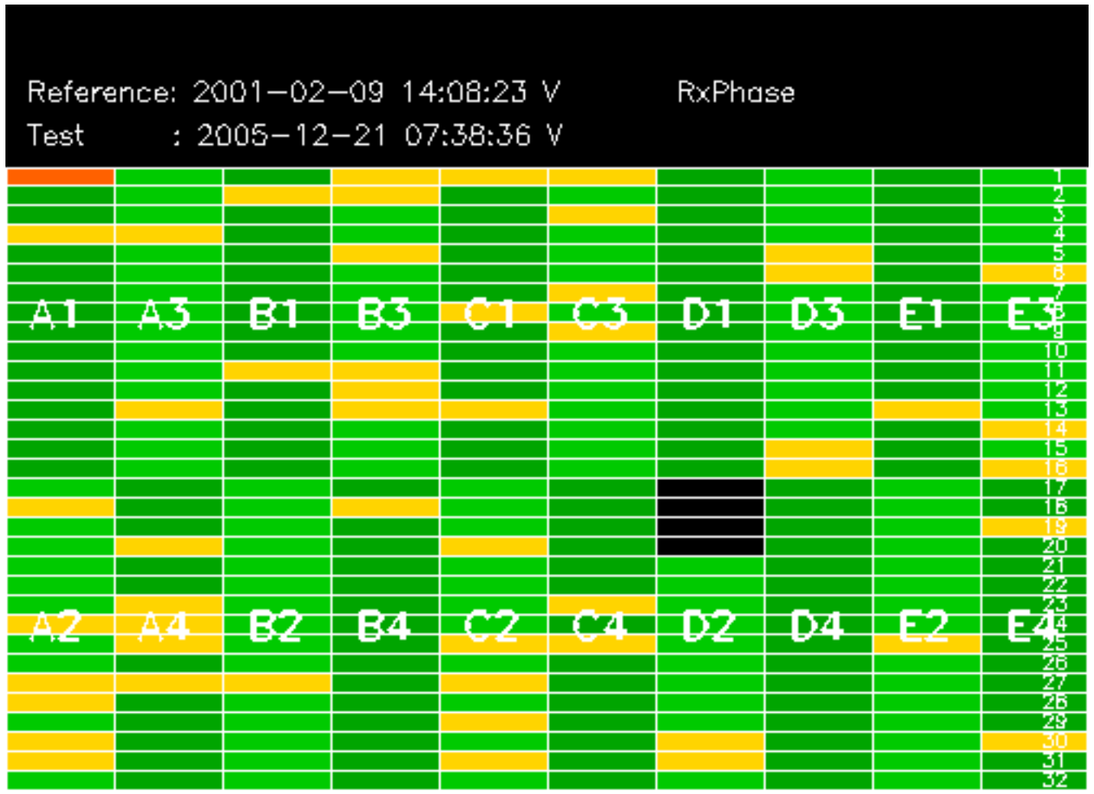
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-21 07:38:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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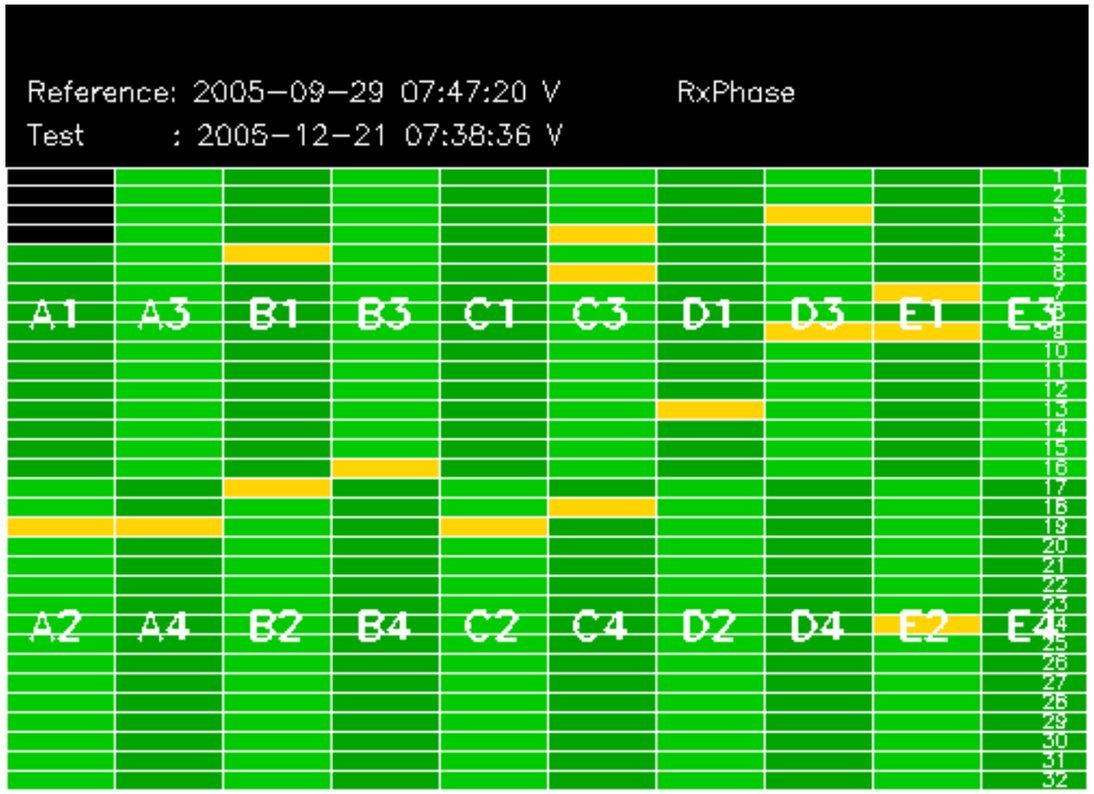
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-21 07:38:36 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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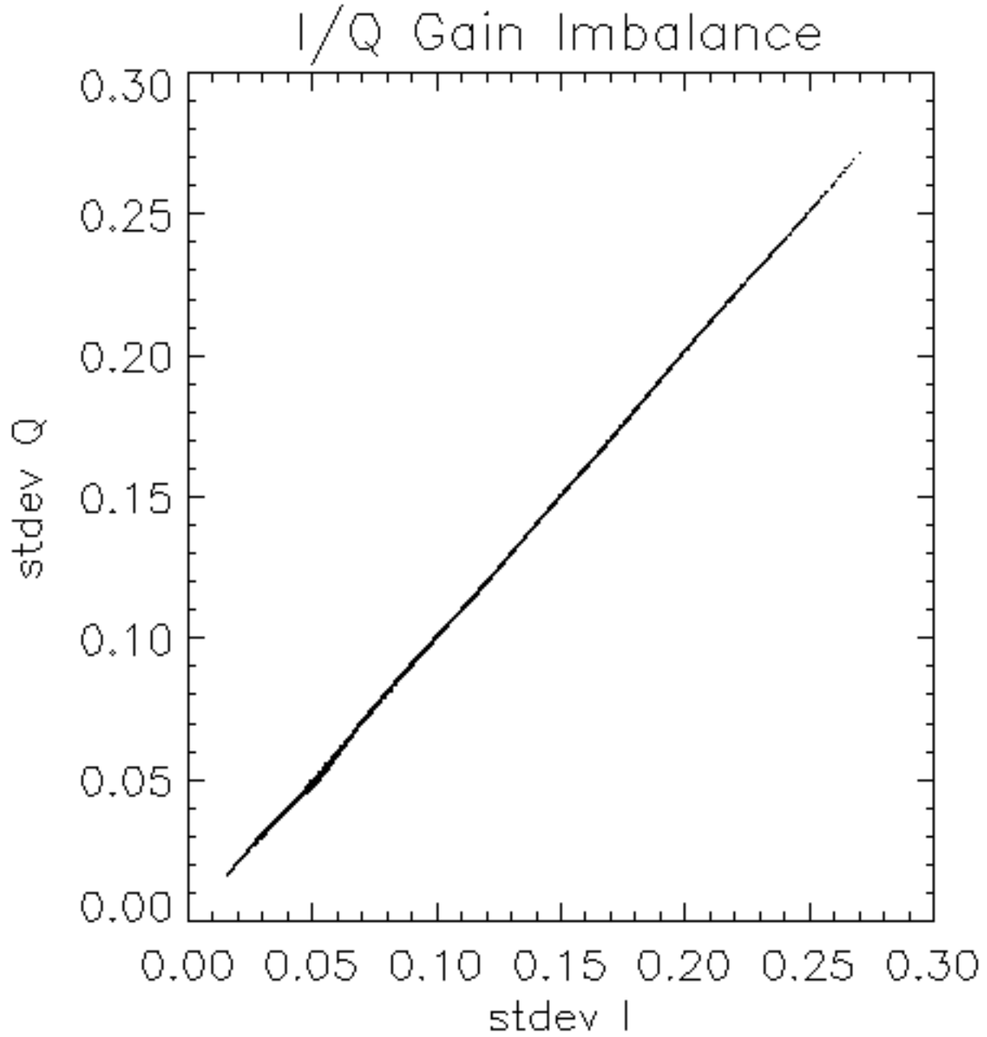
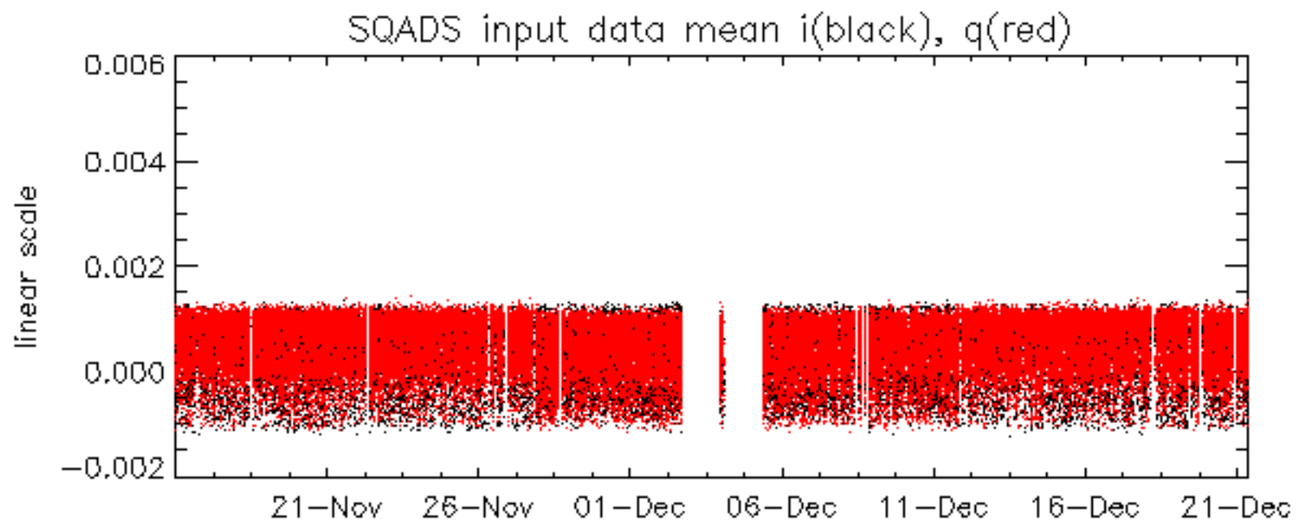
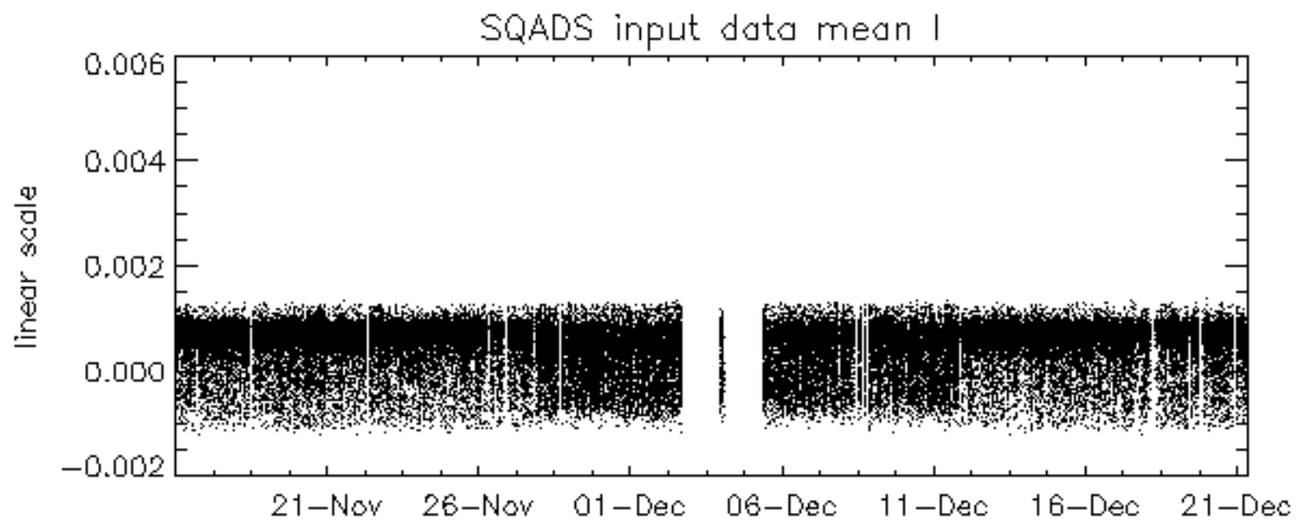
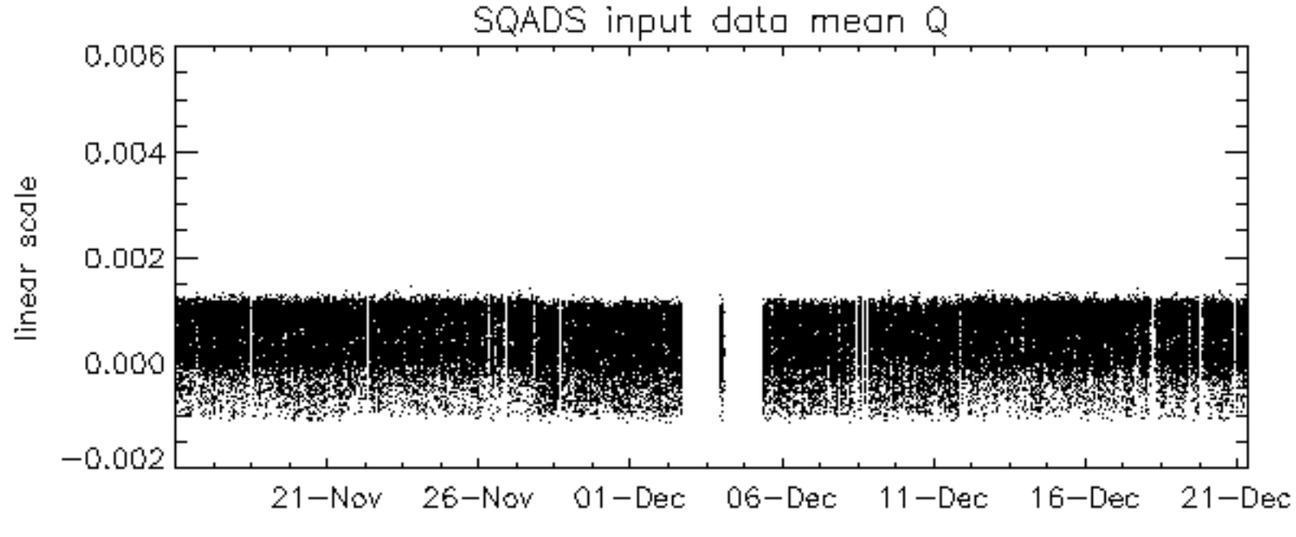
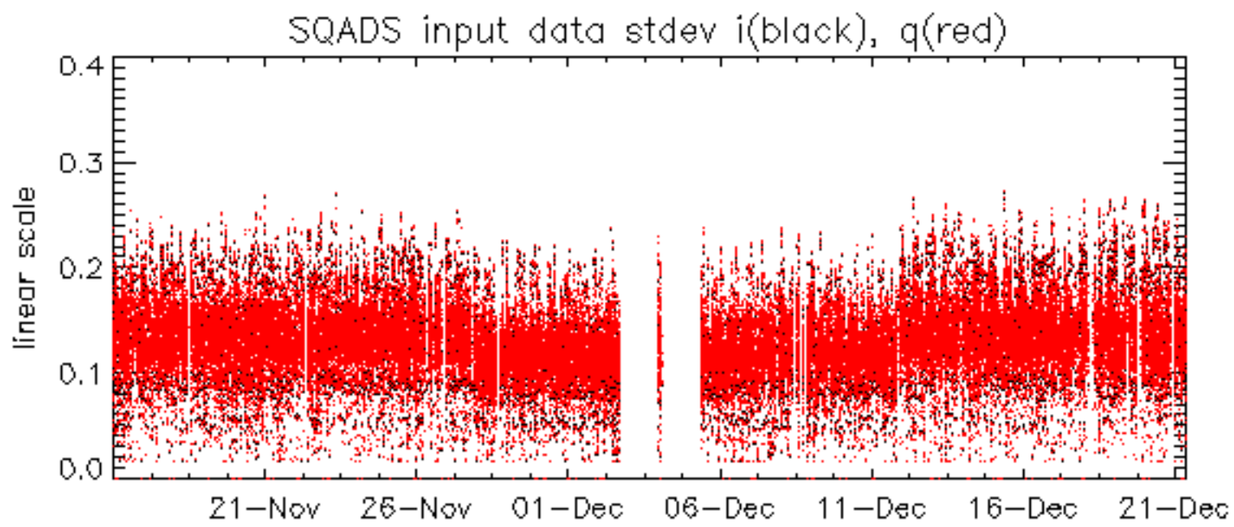
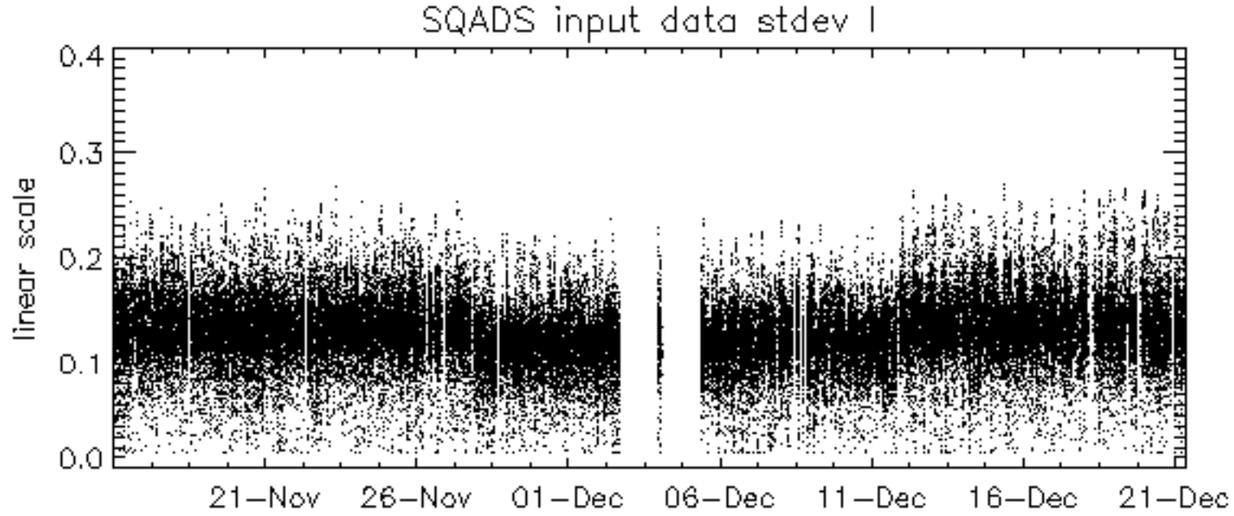

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

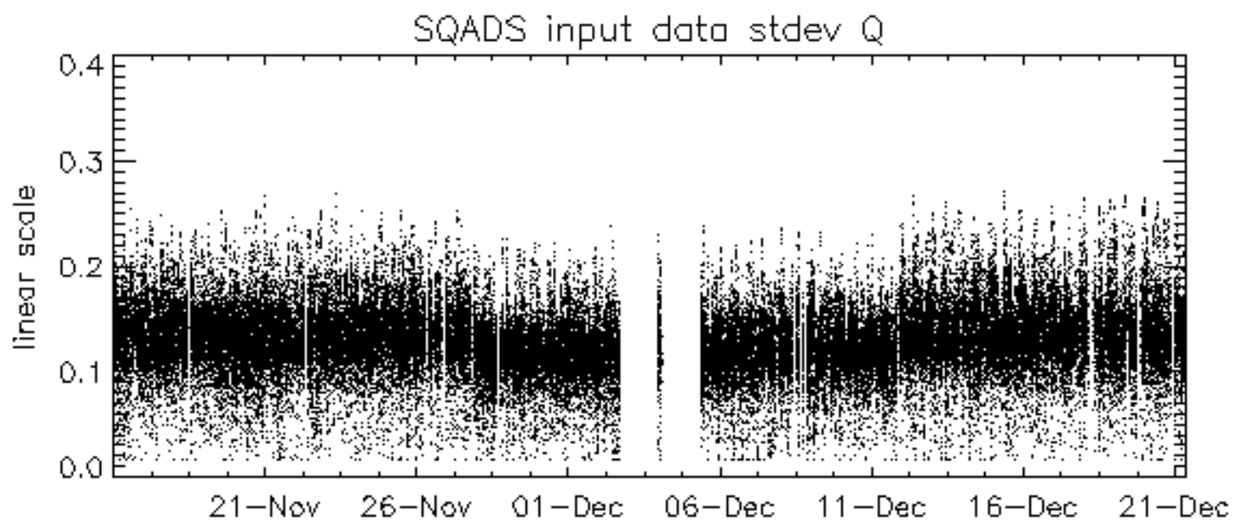

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec

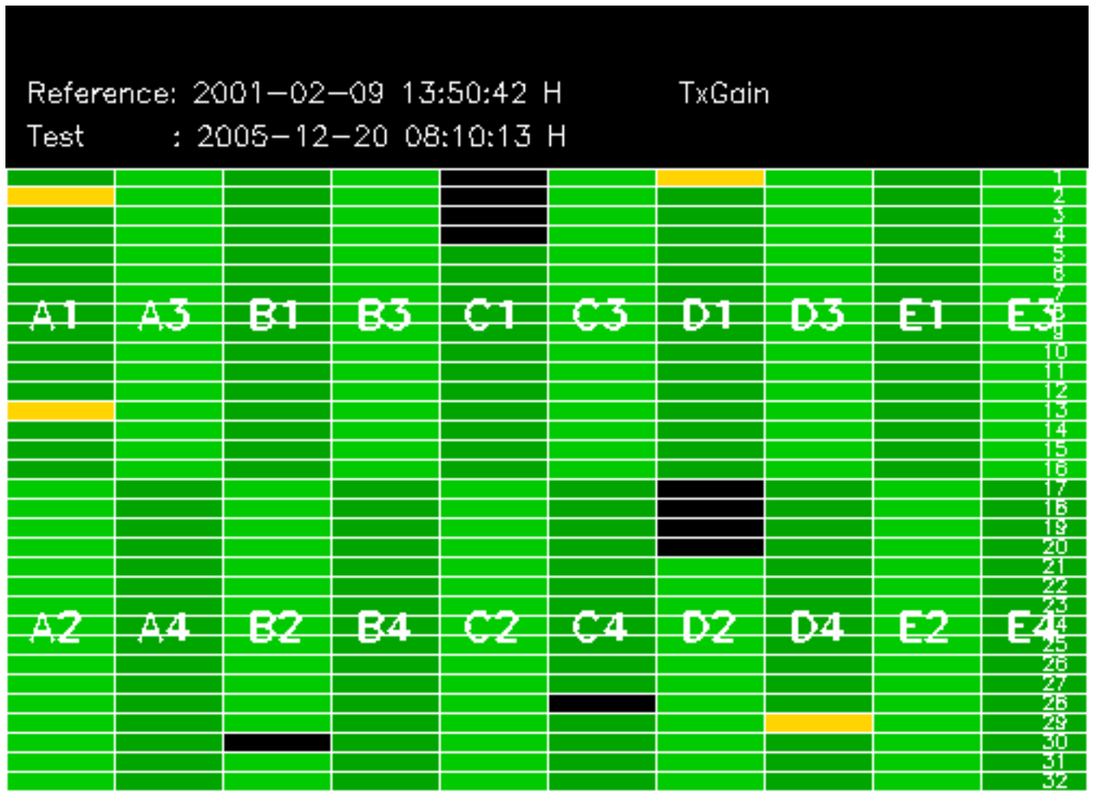

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
21−Nov
26−Nov
01−Dec
06−Dec
11−Dec
16−Dec
21−Dec


Reference: 2001-02-09 13:50:42 H
Test : 2005-12-20 08:10:13 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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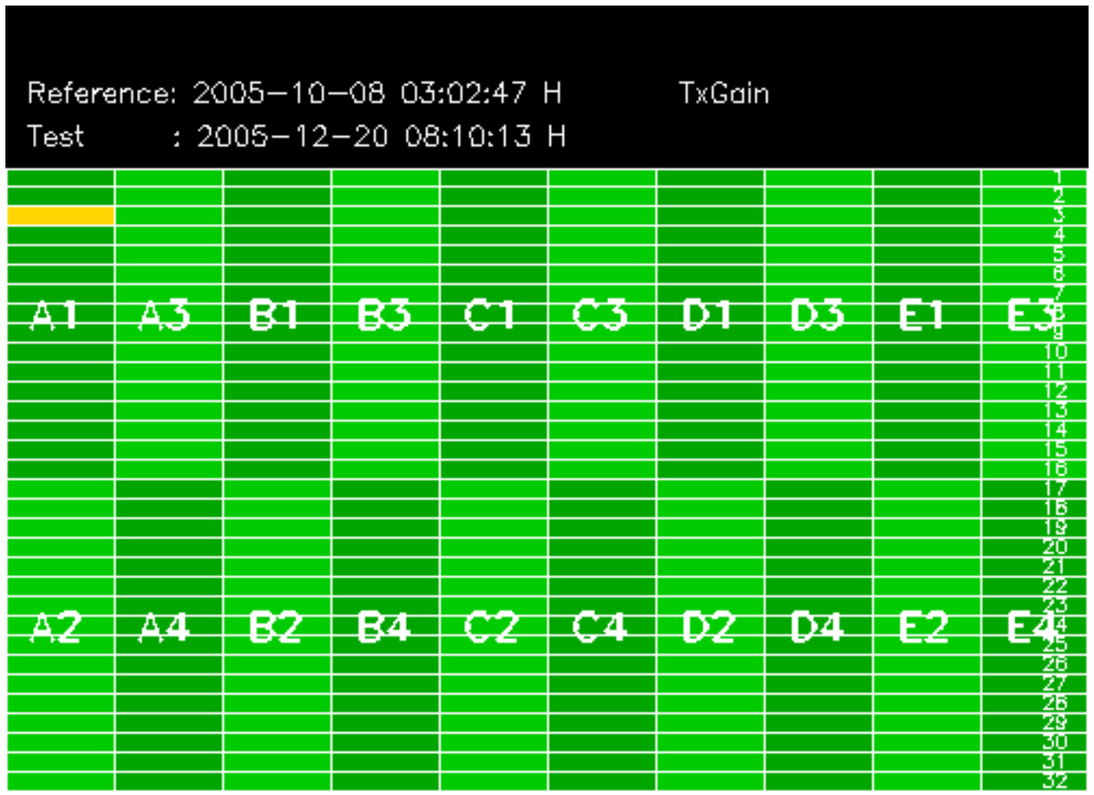
Reference: 2005-10-08 03:02:47 H
Test : 2005-12-20 08:10:13 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
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E4
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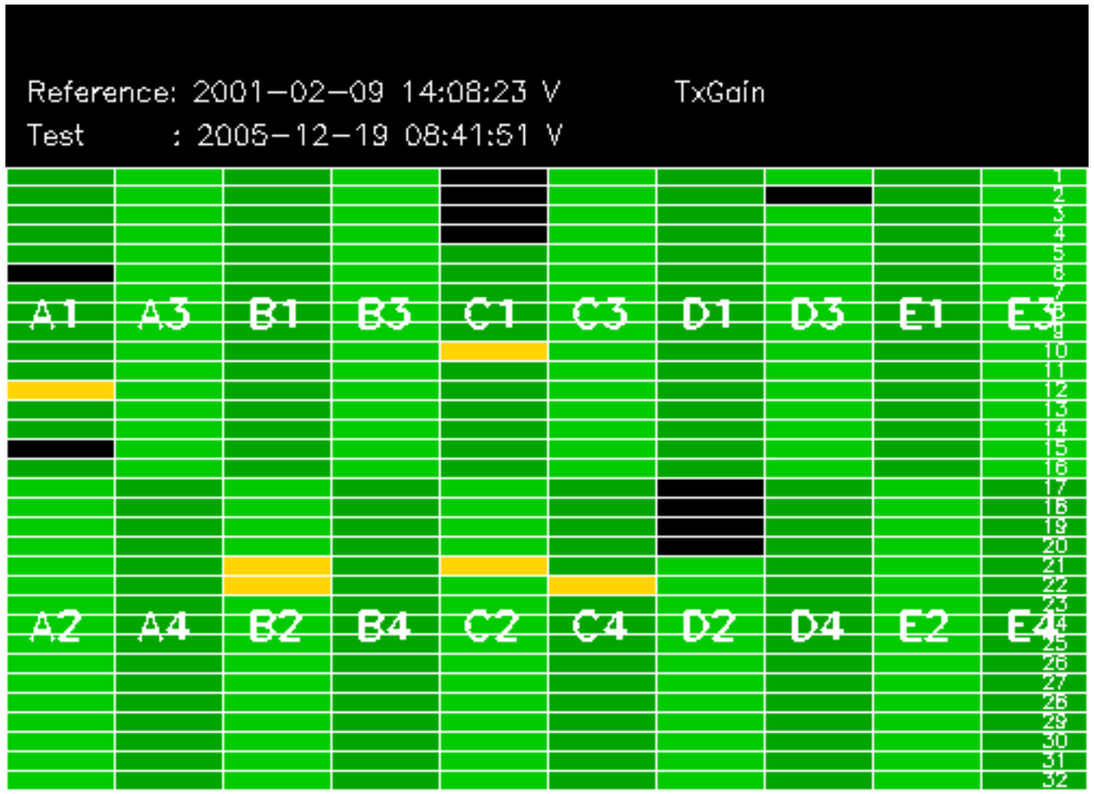
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-19 08:41:51 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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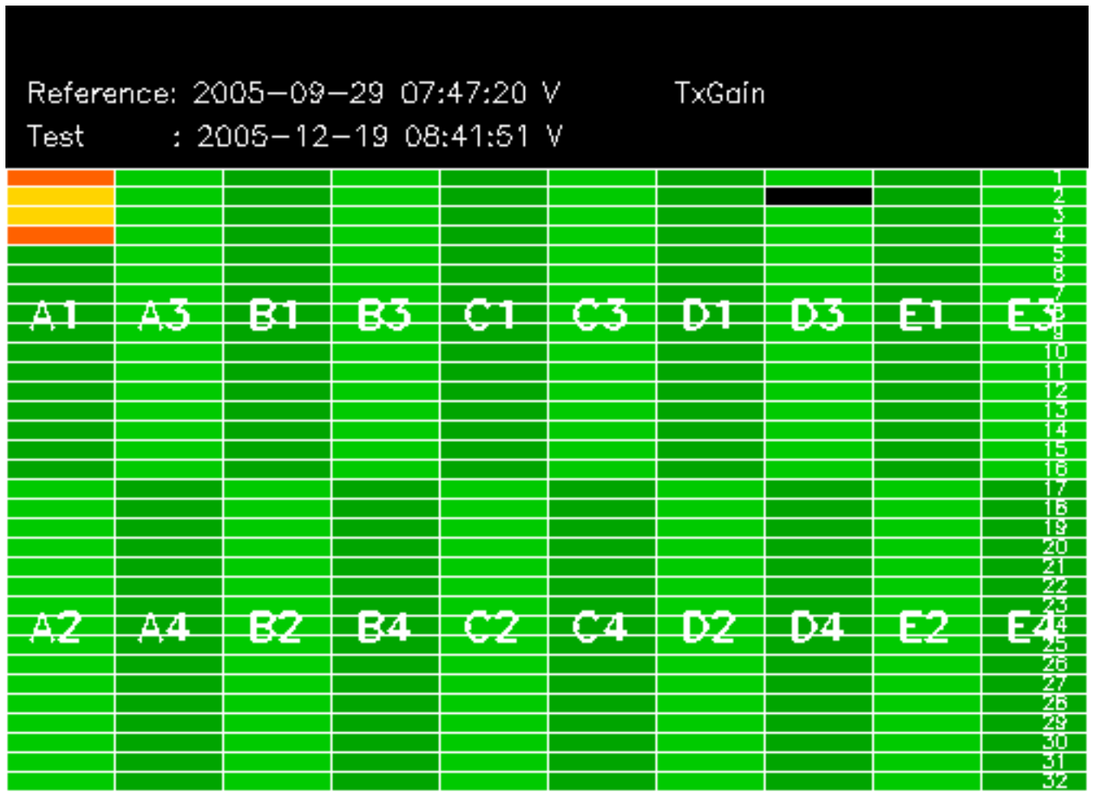
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-19 08:41:51 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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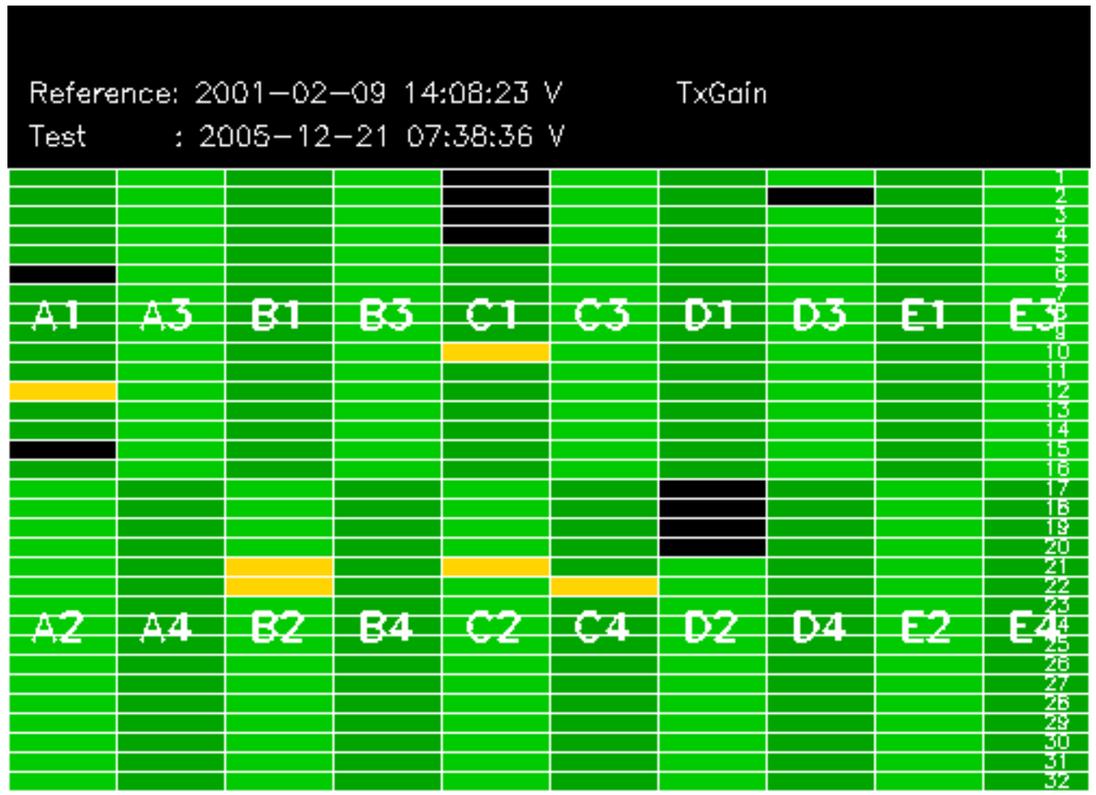
Reference: 2001-02-09 14:08:23 V
Test : 2005-12-21 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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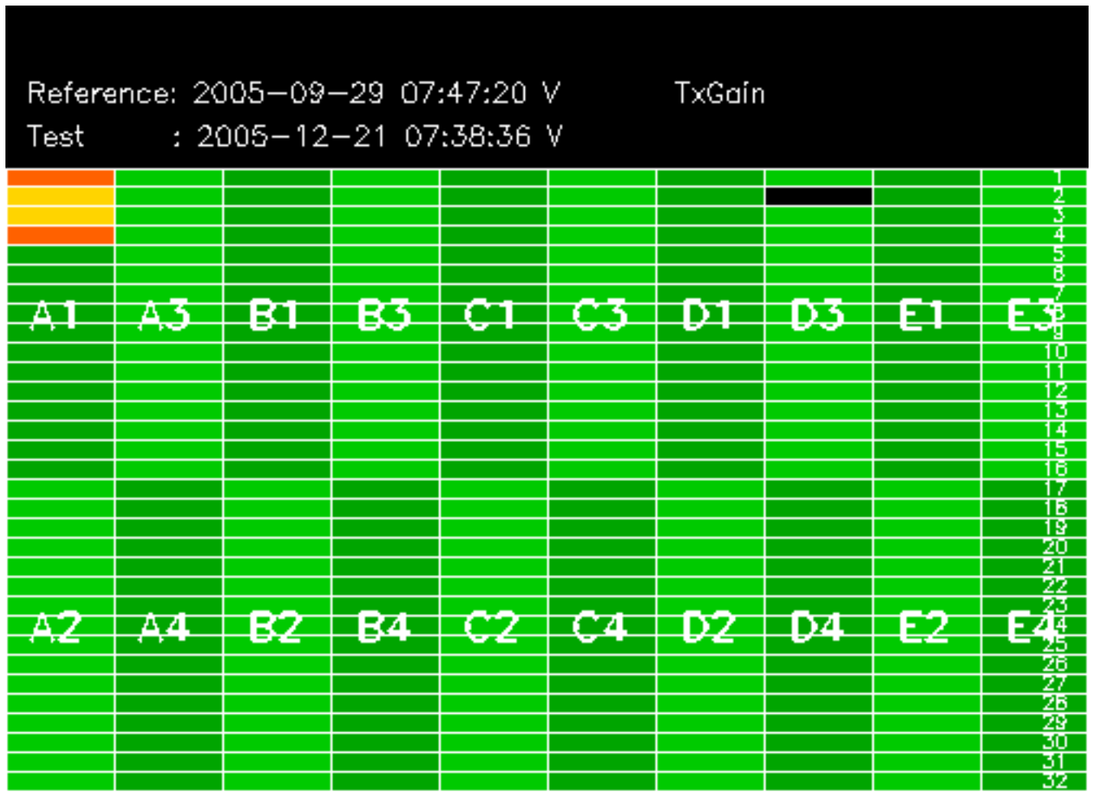
Reference: 2005-09-29 07:47:20 V
Test : 2005-12-21 07:38:36 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
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D4
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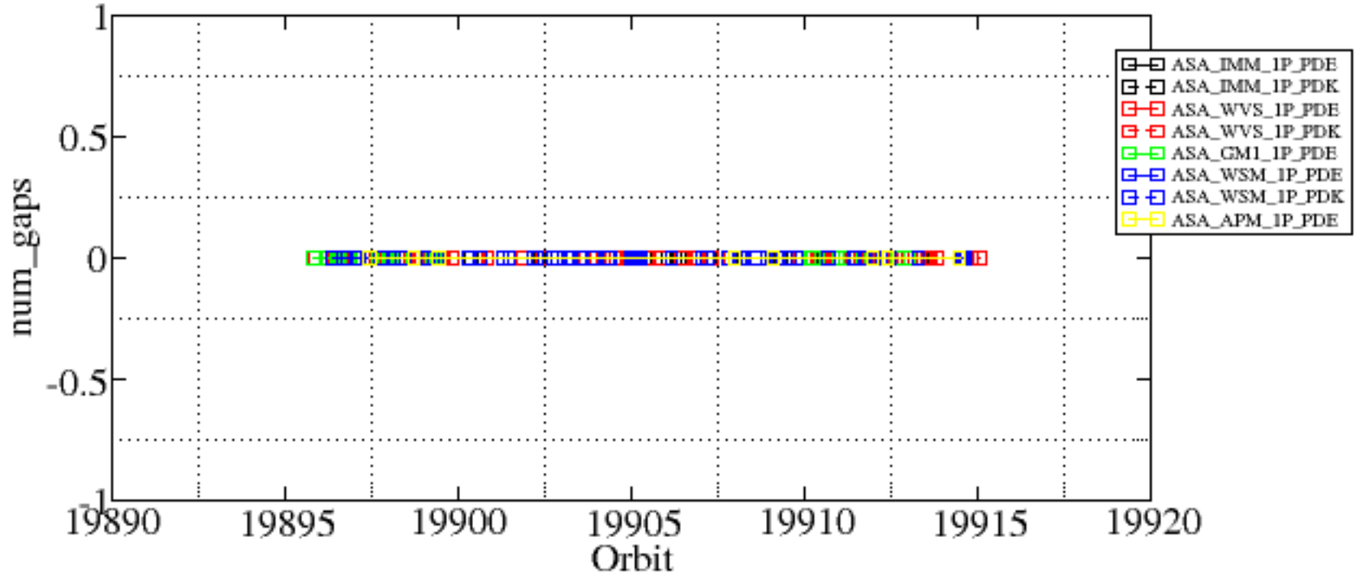
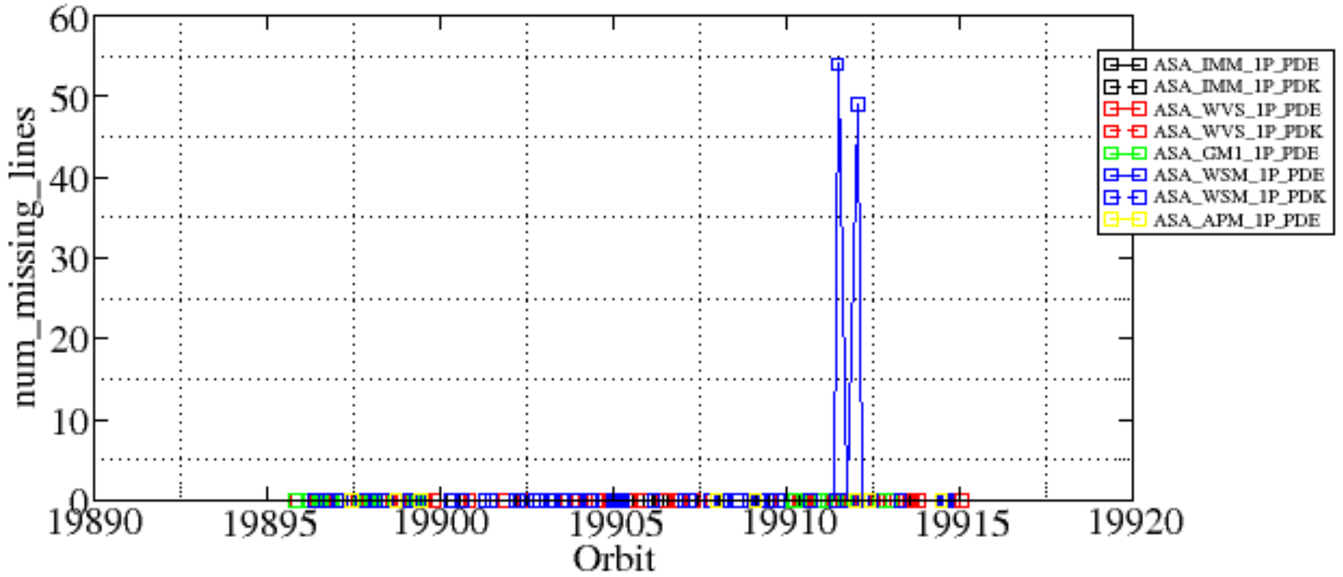
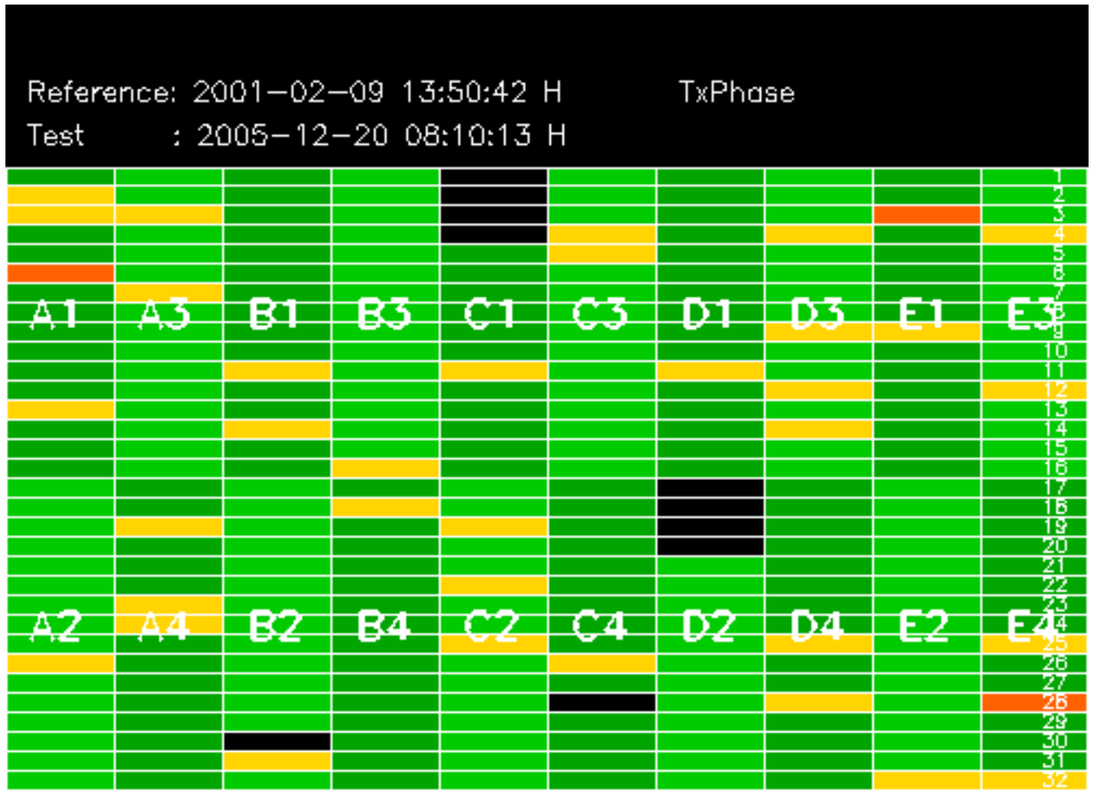
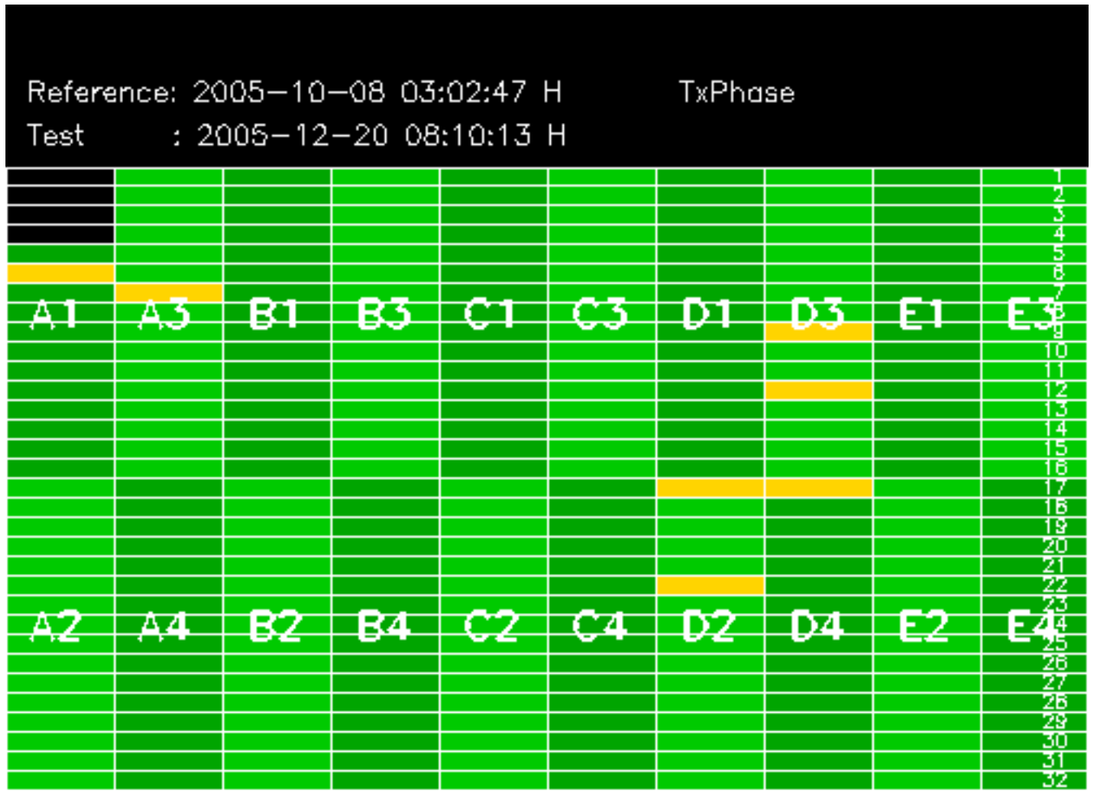
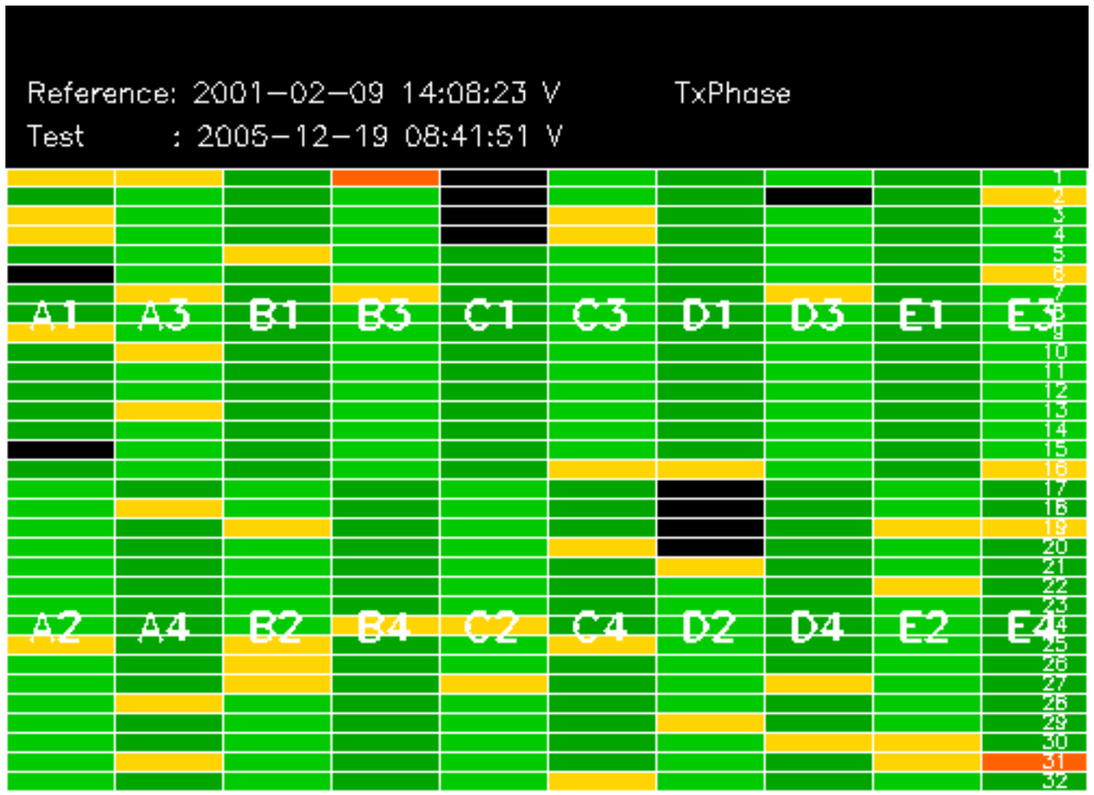
Summary of analysis for the last 3 days 2005122[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_WSM_1PNPDE20051221_021712_000001042043_00318_19911_5158.N1 </td> <td>0 </td> <td>54 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20051221_031549_000001472043_00319_19912_5167.N1 </td> <td>0 </td> <td>49 </td></tr>
</table>

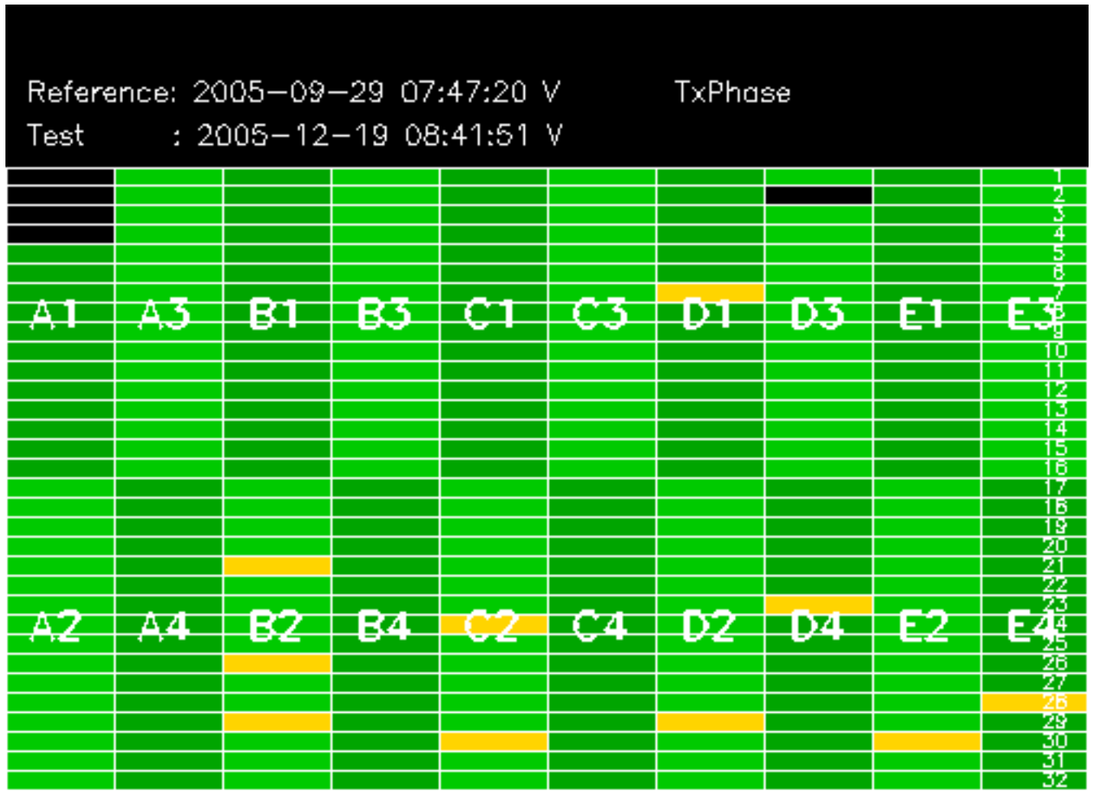

num_gaps
1
0.5
0
-0.5
-1
19890
19895
19900
19905
19910
19915
19920
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE


num_missing_lines
Orbit
60
50
40
30
20
10
0
19890
19895
19900
19905
19910
19915
19920
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 : 2005-12-20 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-10-08 03:02:47 H
TxPhase
Test : 2005-12-20 08:10:13 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-12-19 08:41:51 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: 2005-09-29 07:47:20 V
Test : 2005-12-19 08:41:51 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
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14
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16
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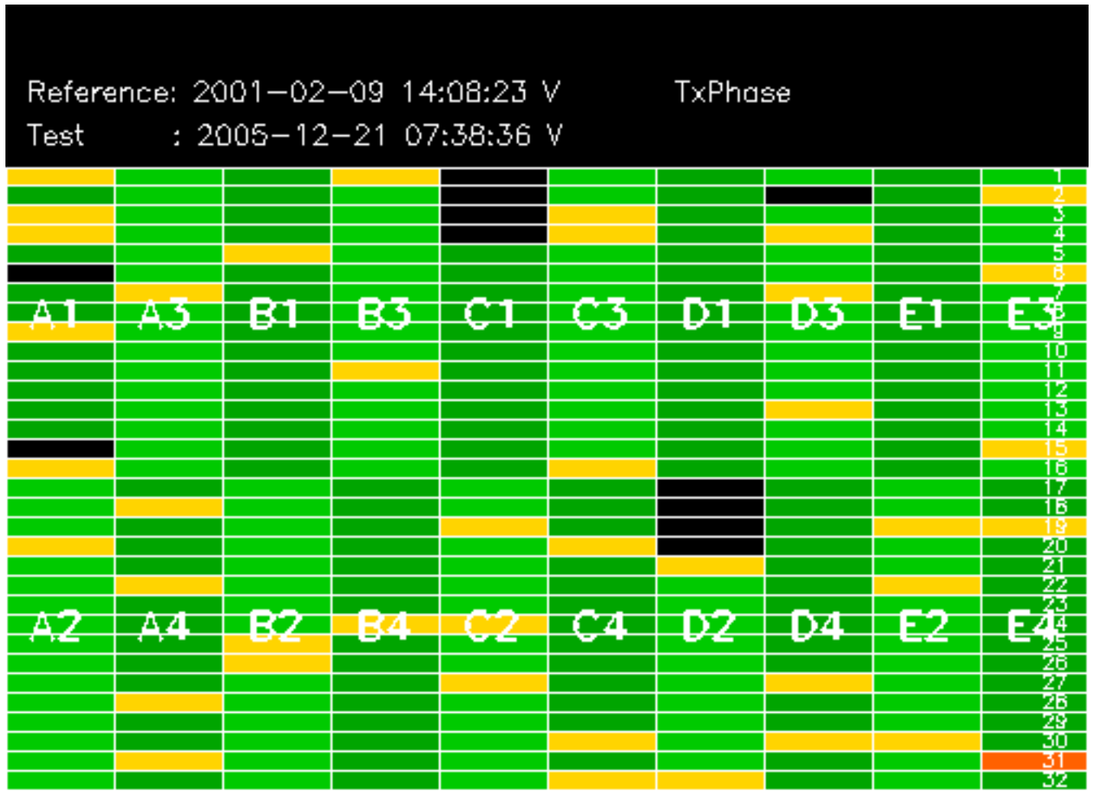
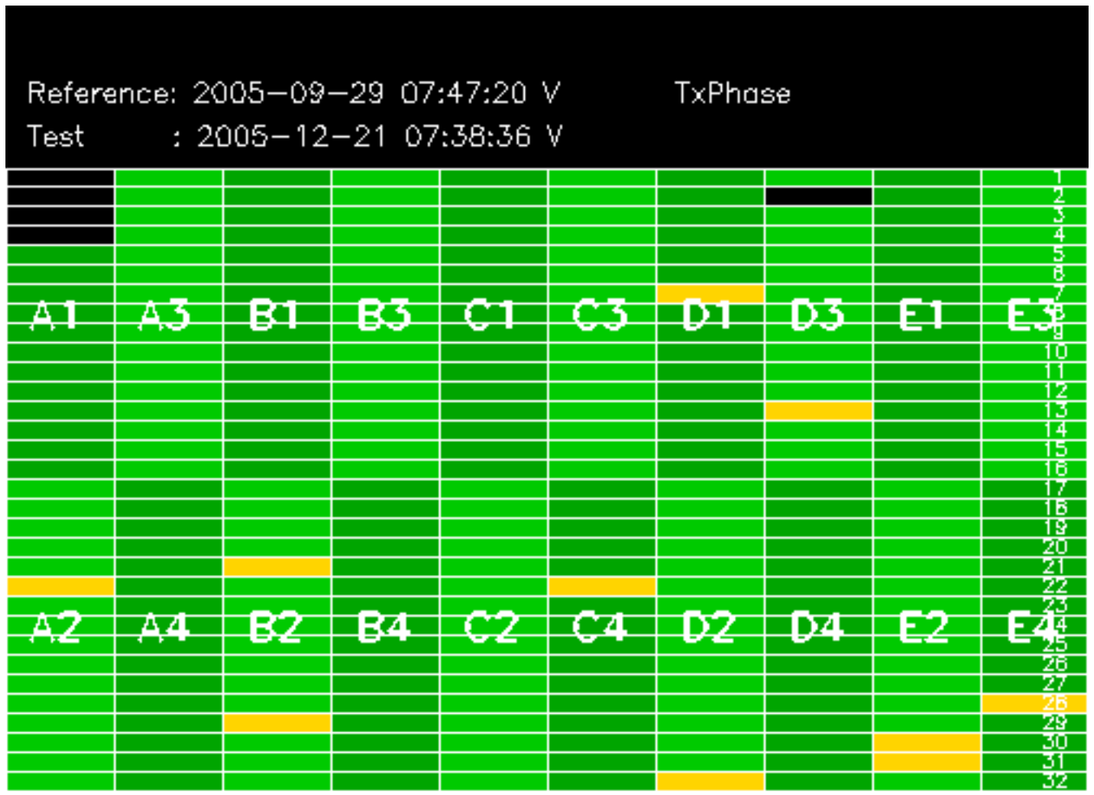
32


Reference: 2001-02-09 14:08:23 V
Test : 2005-12-21 07:38:36 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 : 2005-12-21 07:38:36 V
TxPhase
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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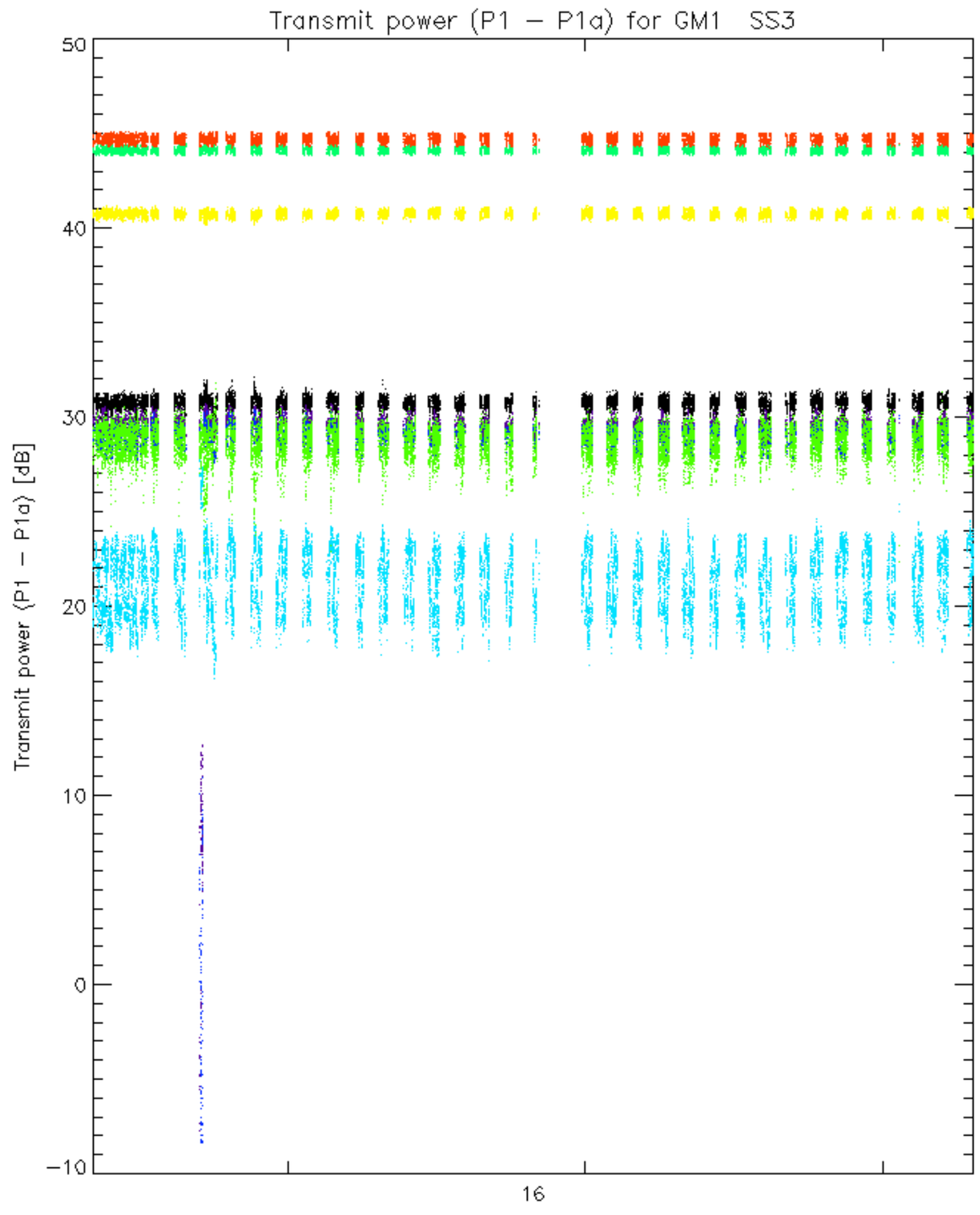
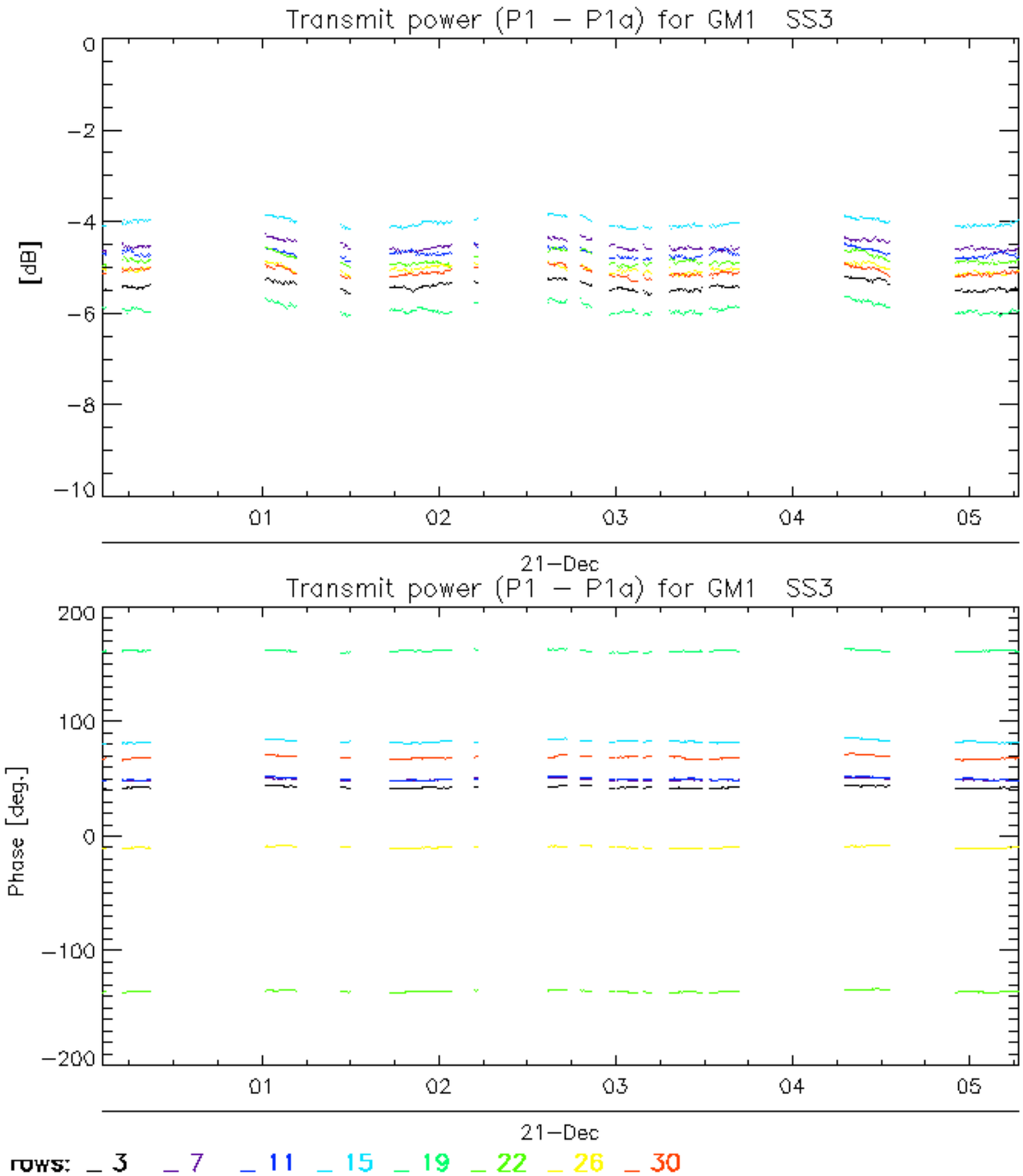
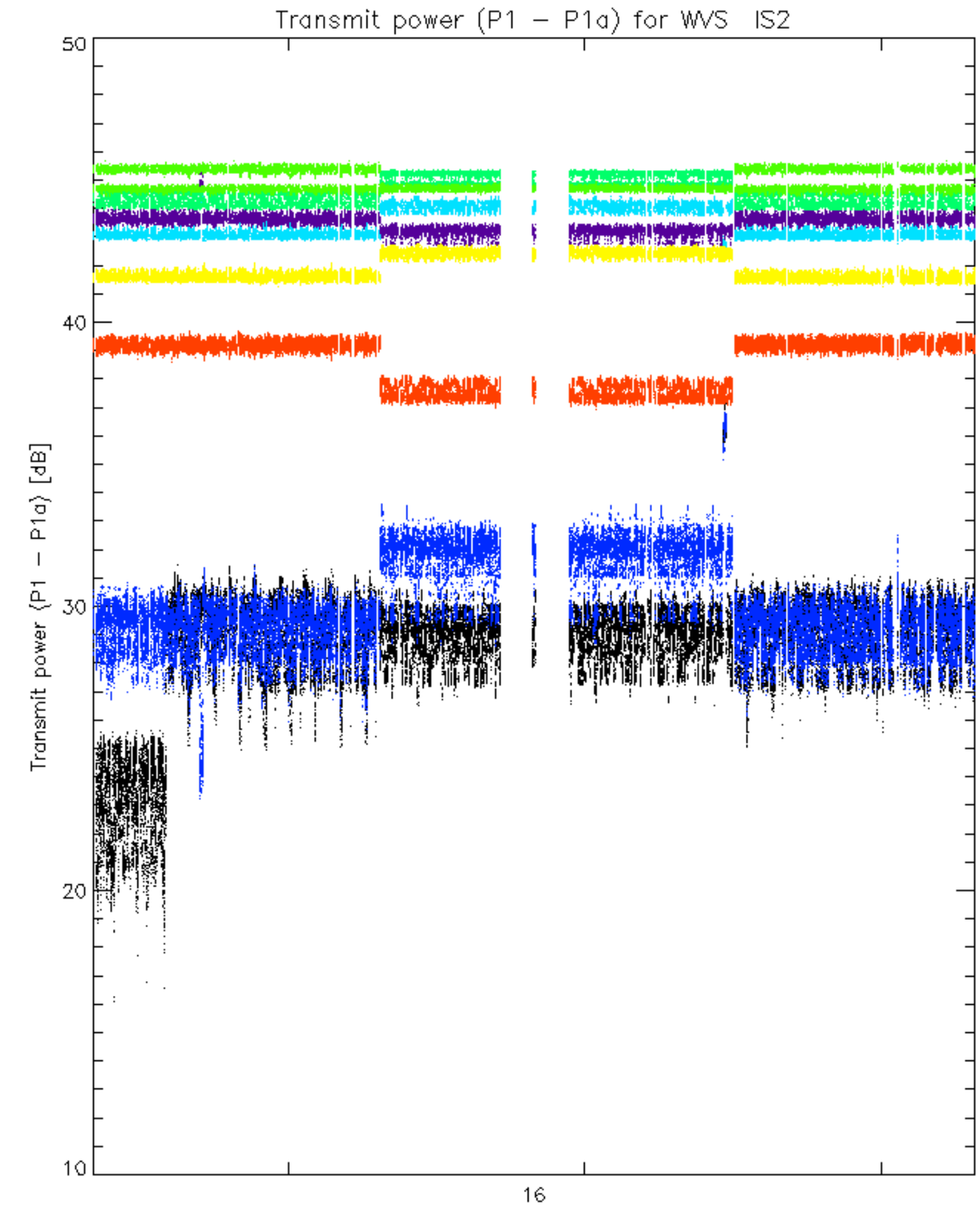
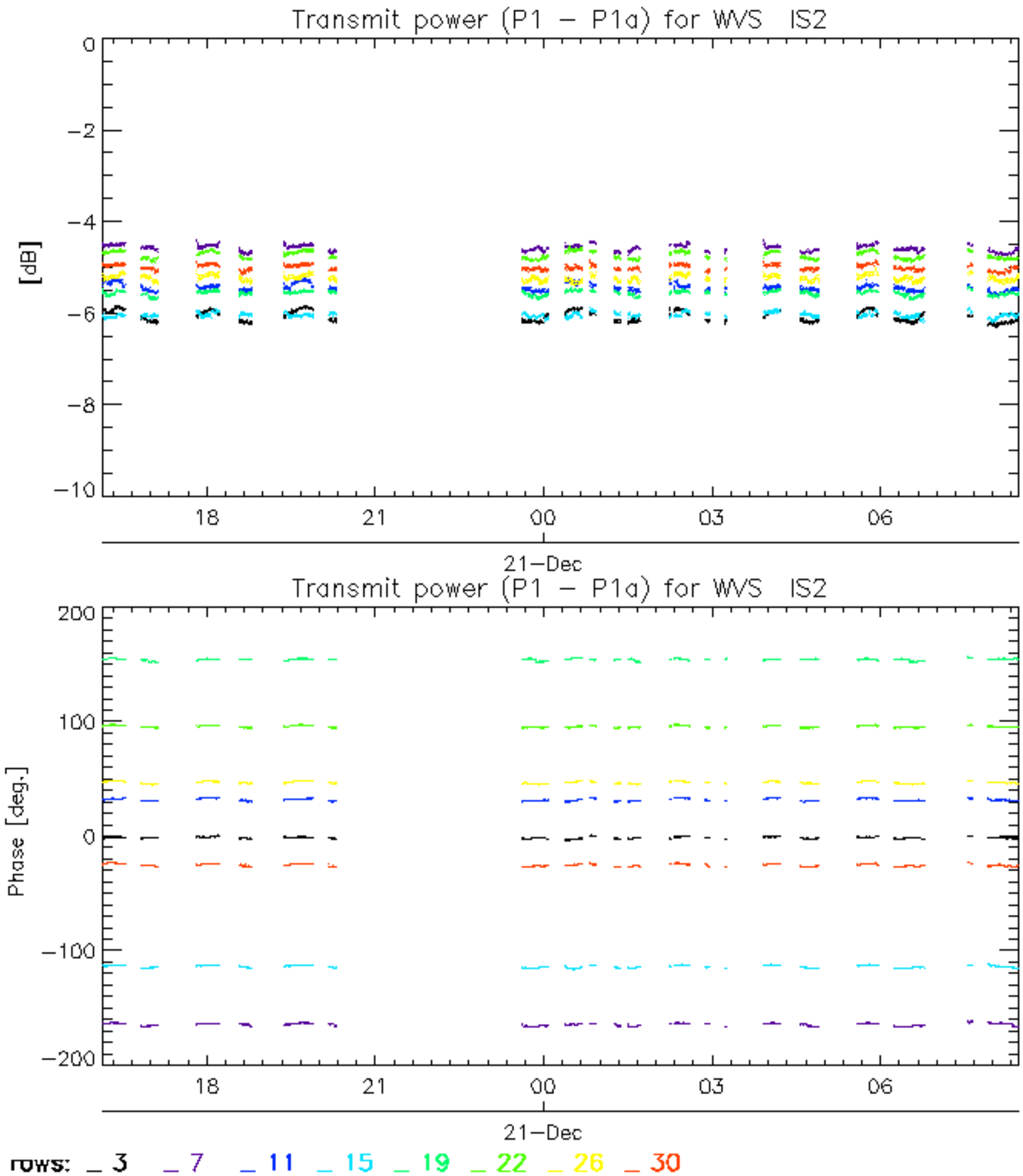

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
16
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
01
02
03
04
05
21–Dec
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
01
02
03
04
05
21–Dec
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
16
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
21–Dec
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
21–Dec
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.