PRELIMINARY REPORT OF 070207

last update on Wed Feb 7 16:20:28 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 2007-02-06 00:00:00 to 2007-02-07 16:20:28

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	41	83	13	2	28
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	41	83	13	2	28
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	41	83	13	2	28
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	41	83	13	2	28

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20061107_090002_20050916_195733_20071231_000000	43	52	34	13	53
ASA_XCA_AXVIEC20061221_143253_20050916_195733_20071231_000000	43	52	34	13	53
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	43	52	34	13	53
ASA_INS_AXVIEC20061220_105425_20030211_000000_20071231_000000	43	52	34	13	53

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	20070207 043731
H	20070206 050907

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	-16.092316	0.809493	4.030137
7	P1a	-17.277210	0.126478	-0.602455
11	P1a	-17.308714	0.428816	-0.076910
15	P1a	-12.733909	0.125561	-0.378695
19	P1a	-15.054760	0.085633	-0.251778
22	P1a	-15.380820	0.398996	-0.789312
26	P1a	-14.942822	0.289418	0.019225
30	P1a	-17.145704	0.314798	-0.700306

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-4.592386	0.758347	-4.278700
7	P1	-3.073963	0.009292	-0.160581
11	P1	-4.089733	0.023688	-0.231896
15	P1	-6.286224	0.018401	-0.058566
19	P1	-3.701522	0.008005	-0.039081
22	P1	-4.669146	0.012640	-0.032421
26	P1	-3.928136	0.013570	0.001169
30	P1	-5.900166	0.012541	-0.117281

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-21.396614	0.969465	-4.611228
7	P2	-21.626087	0.103785	0.051425
11	P2	-15.493099	0.113660	0.064470

15	P2	-6.985900	0.116519	-0.159845
19	P2	-9.054912	0.098938	-0.124035
22	P2	-18.057308	0.104066	-0.122716
26	P2	-16.460897	0.121326	-0.222721
30	P2	-19.314575	0.097123	-0.109246

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.198462	0.007118	-0.057010
7	P3	-8.198462	0.007118	-0.057010
11	P3	-8.198462	0.007118	-0.057010
15	P3	-8.198462	0.007118	-0.057010
19	P3	-8.198462	0.007118	-0.057010
22	P3	-8.198462	0.007118	-0.057010
26	P3	-8.198462	0.007118	-0.057010
30	P3	-8.198462	0.007118	-0.057010

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	-11.570963	0.126767	1.966081
7	P1a	-10.019313	0.048947	-0.046791
11	P1a	-10.521623	0.062201	-0.409921
15	P1a	-10.830685	0.131652	-0.104020
19	P1a	-15.746485	0.061947	0.001386
22	P1a	-20.931761	1.334979	0.799805
26	P1a	-15.483684	0.253891	0.307943
30	P1a	-18.320131	0.365292	-0.129531

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.247232	3.093138	-12.438638
7	P1	-2.440723	0.006186	-0.005394
11	P1	-2.858855	0.017361	-0.126653
15	P1	-3.777082	0.032962	-0.114979
19	P1	-3.548991	0.013632	-0.018407
22	P1	-5.022434	0.024010	0.006973
26	P1	-6.001025	0.022337	-0.030206
30	P1	-5.289071	0.023570	0.017427

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-16.710325	0.616069	-5.032082
7	P2	-22.032156	0.047379	0.052687
11	P2	-10.692362	0.030305	0.092241
15	P2	-4.841814	0.026116	0.009544
19	P2	-6.841035	0.026404	0.030168
22	P2	-8.150406	0.029297	0.014922
26	P2	-24.252789	0.030916	0.053902
30	P2	-21.798466	0.033546	0.038713

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.055255	0.002537	0.014326
7	P3	-8.055100	0.002536	0.013517
11	P3	-8.055147	0.002528	0.014976
15	P3	-8.055117	0.002516	0.015218
19	P3	-8.055116	0.002524	0.014398
22	P3	-8.055241	0.002523	0.014824
26	P3	-8.055072	0.002533	0.015701
30	P3	-8.055181	0.002541	0.014078

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	0.000701207
	stdev	2.92718e-07
MEAN Q	mean	0.000244396
	stdev	2.40354e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0620448
	stdev	0.00110461
STDEV Q	mean	0.0616156
	stdev	0.00112523

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007020[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines
ASA_GM1_1PNPDK20070206_135601_000003142055_00210_25815_6169.N1	0	8
ASA_GM1_1PNPDK20070206_151422_000001692055_00211_25816_6289.N1	0	6
ASA_WSM_1PNPDE20070205_151401_000000852055_00197_25802_5978.N1	0	1

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

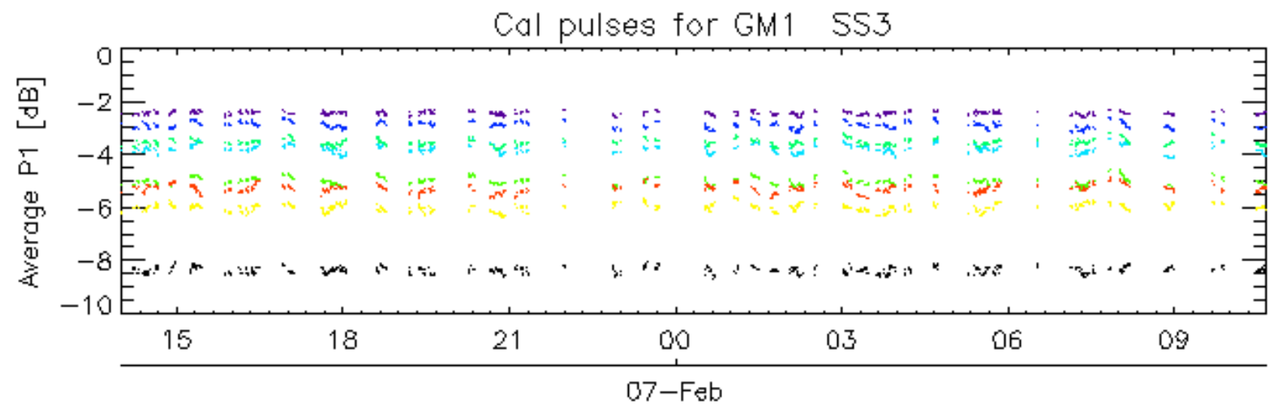
Evolution of Absolute Doppler

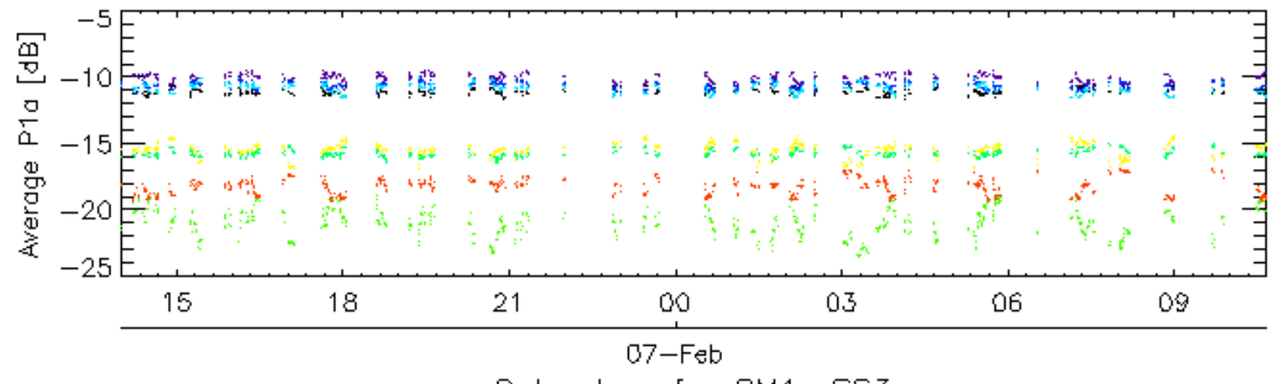
Acsending

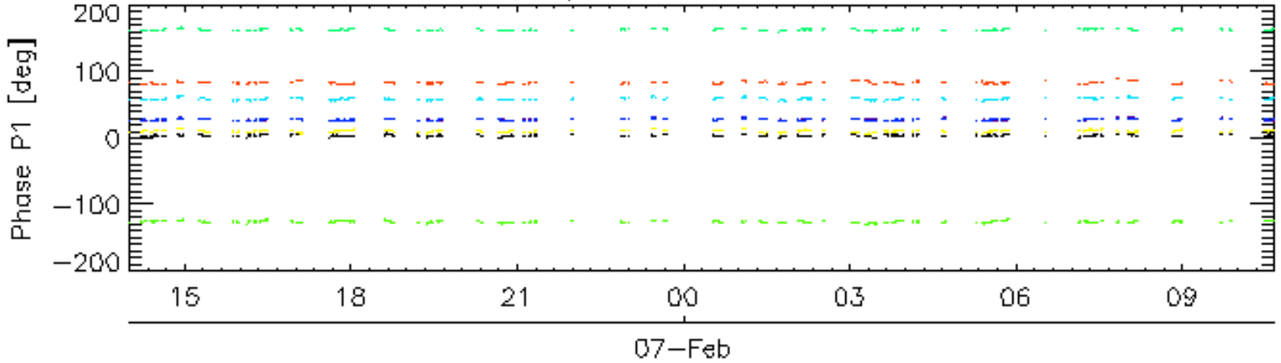
Descending

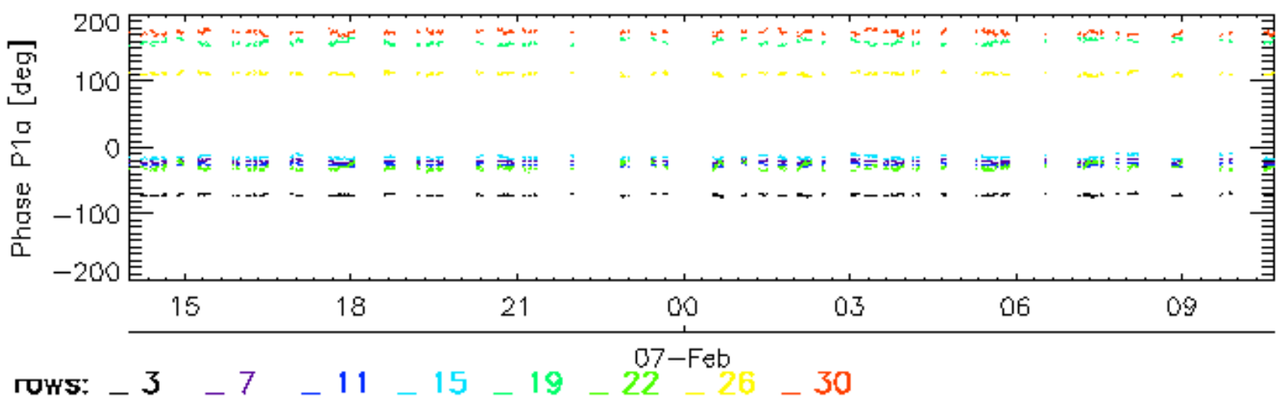
7.6 - Doppler evolution versus ANX for GM1

Evolution Doppler error versus ANX

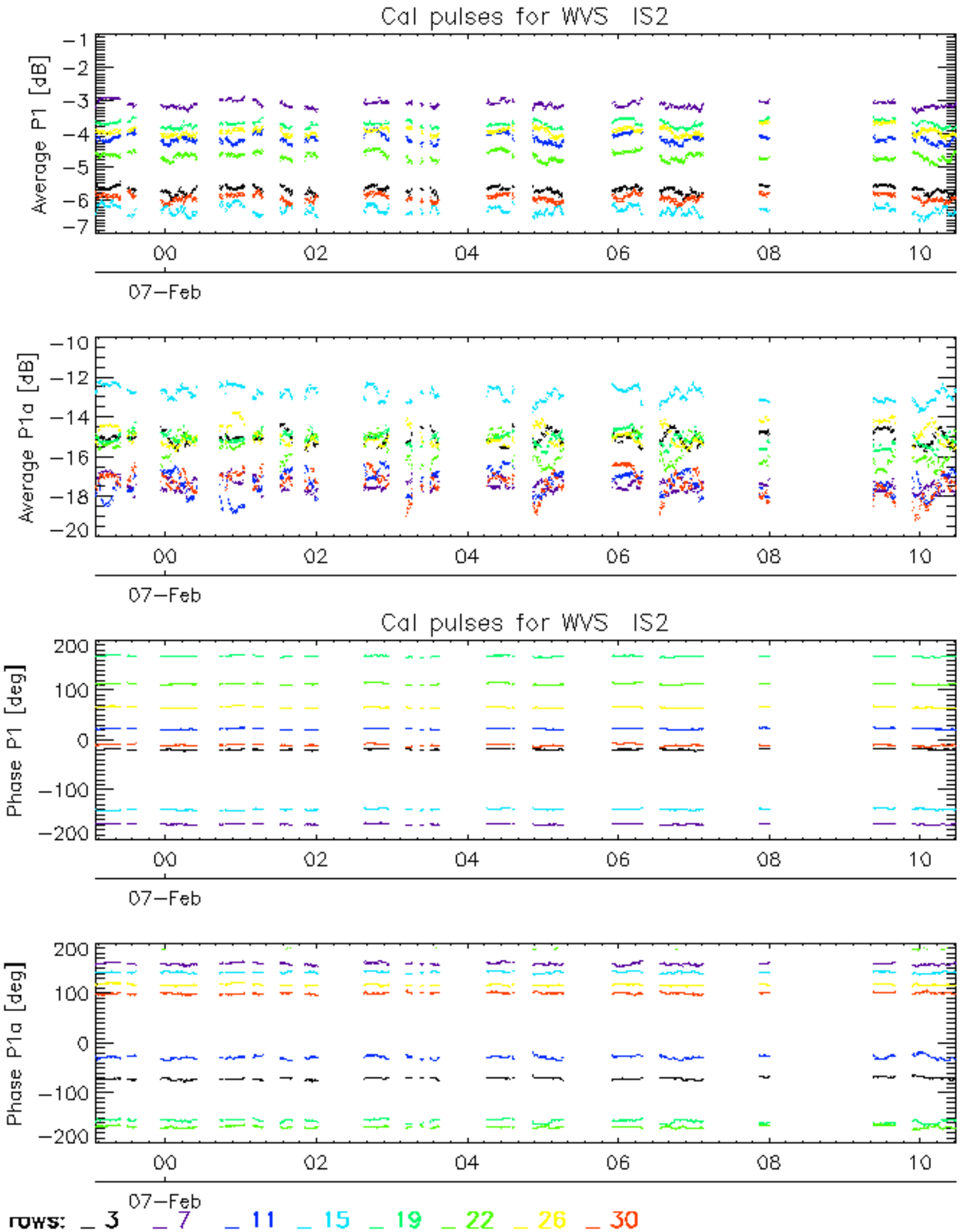


Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
15
18
21
00
03
06
09
07−Feb

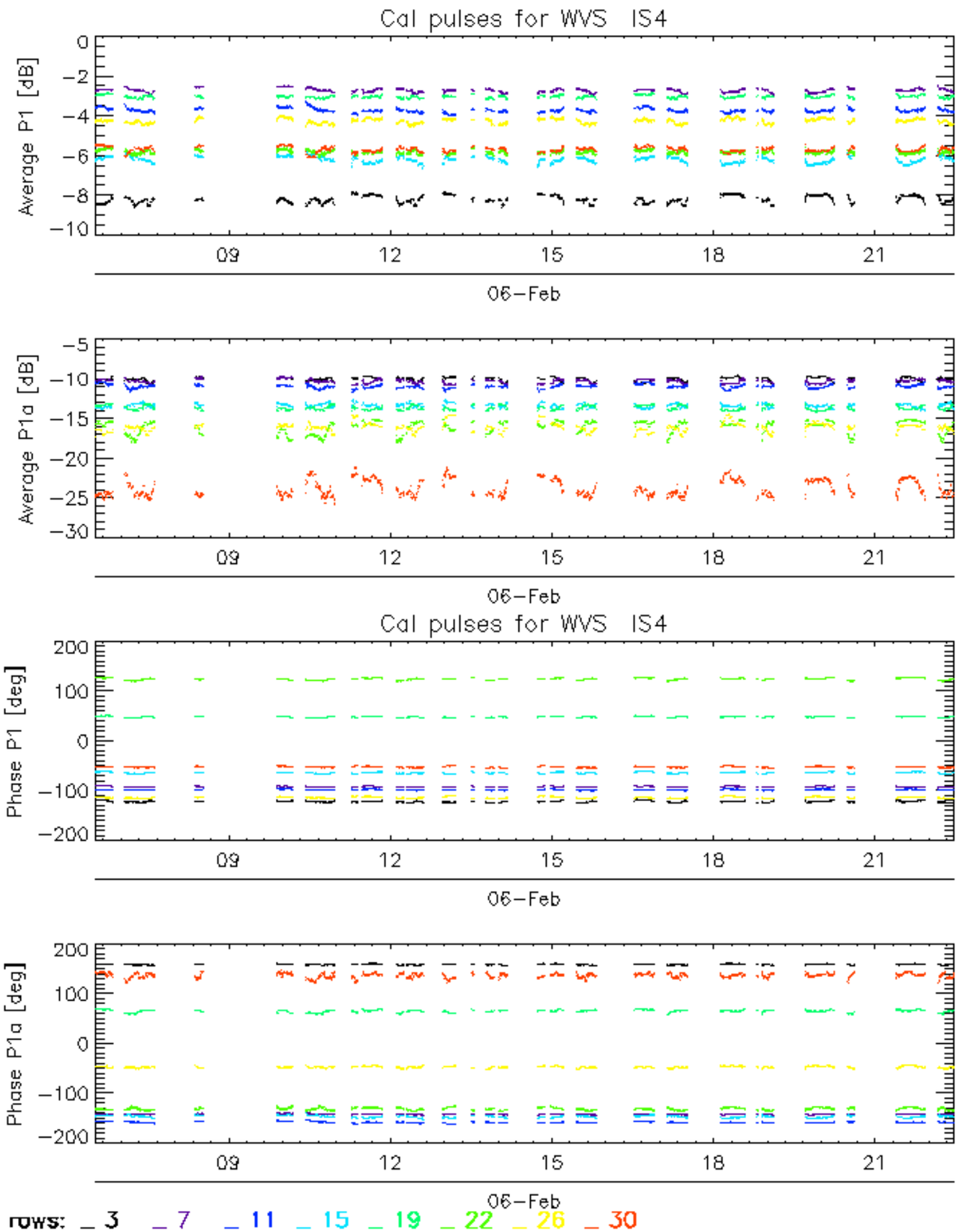

Average P1a [dB]
−5
−10
−15
−20
−25
15
18
21
00
03
06
09
07−Feb

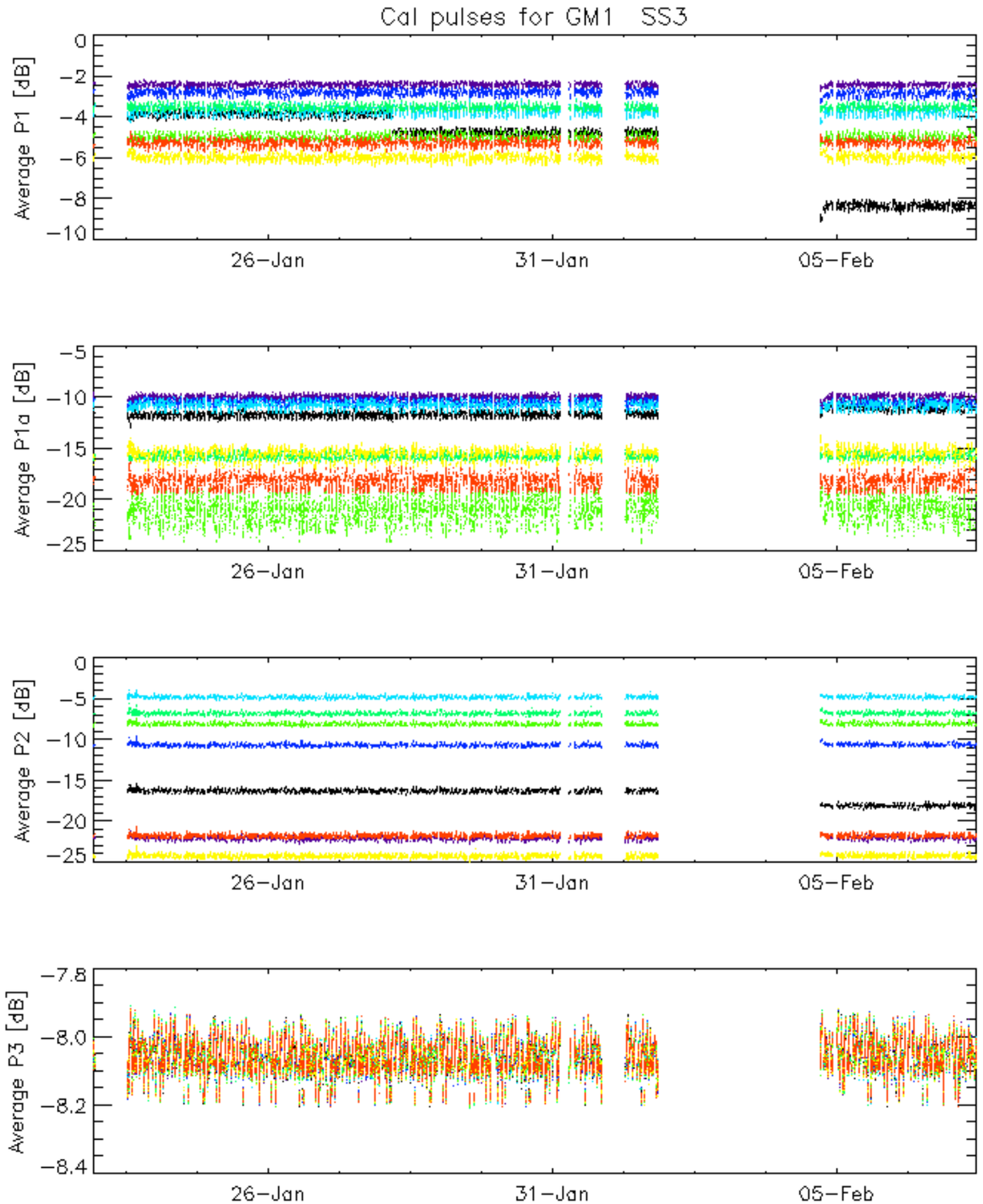

Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
07−Feb

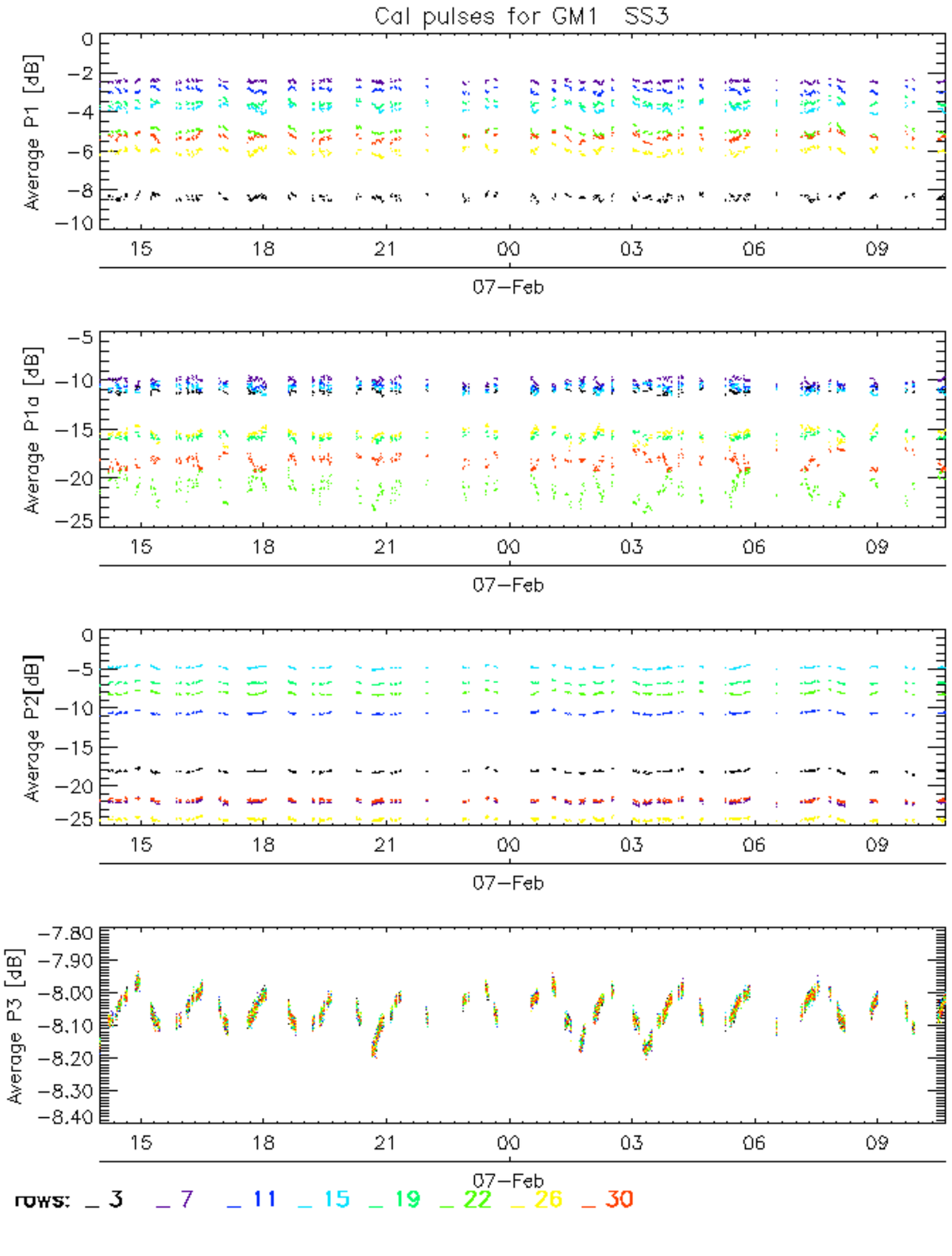

Phase P1a [deg]
200
100
0
−100
−200
15
18
21
00
03
06
09
07−Feb

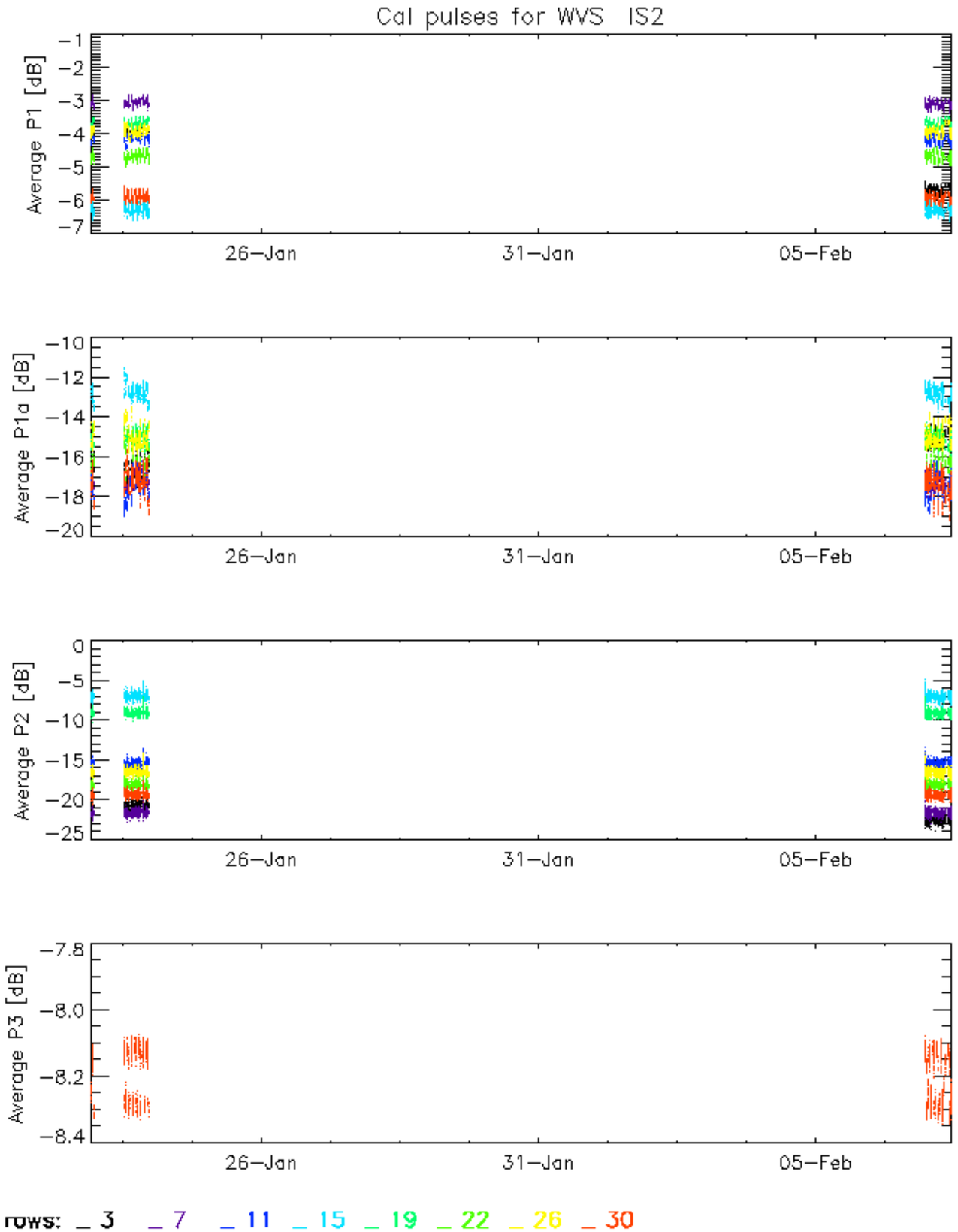
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

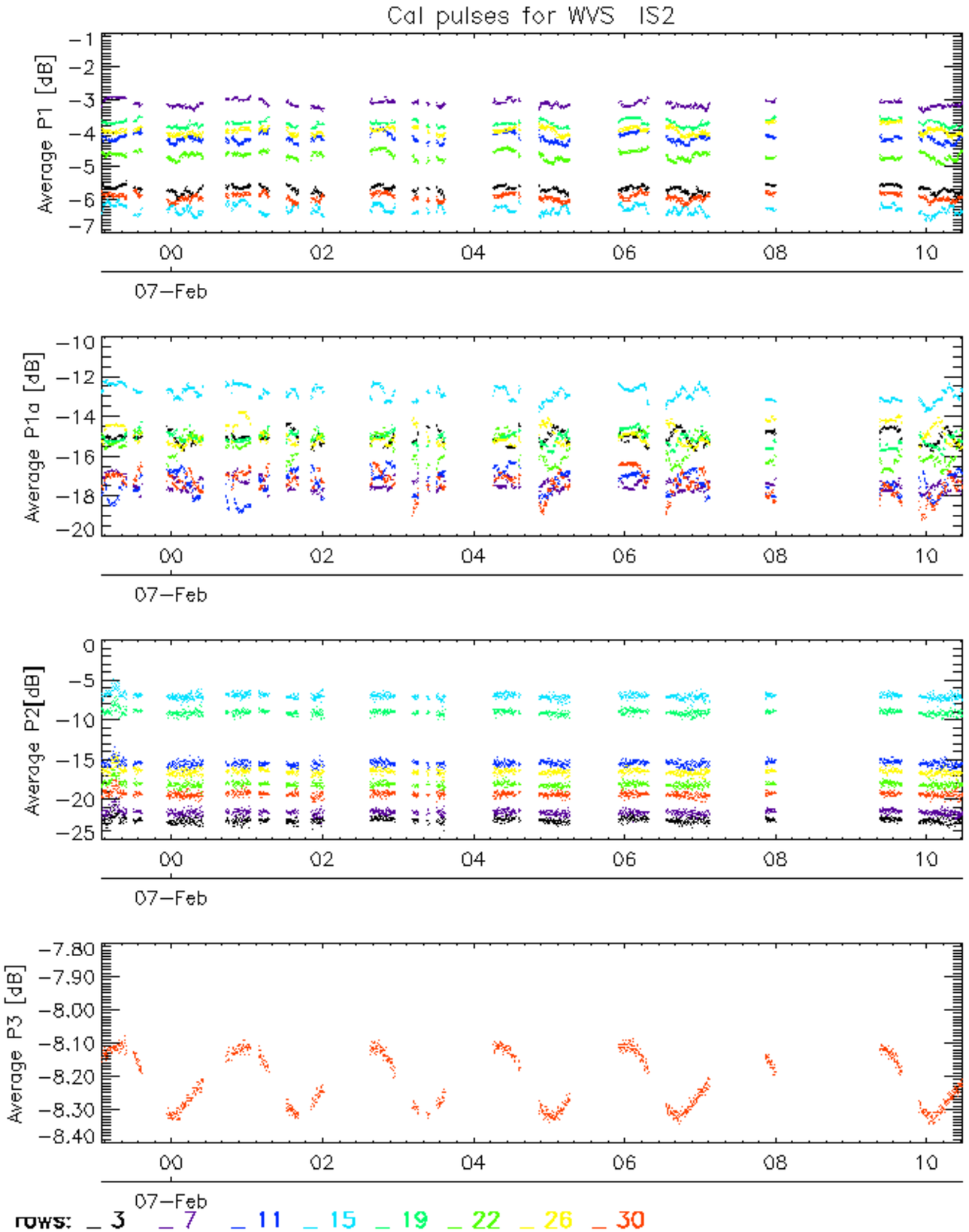

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
02
04
06
08
10
07−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
02
04
06
08
10
07−Feb
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
00
02
04
06
08
10
07−Feb
Phase P1a [deg]
200
100
0
−100
−200
00
02
04
06
08
10
07−Feb
rows: 3 7 11 15 19 22 26 30

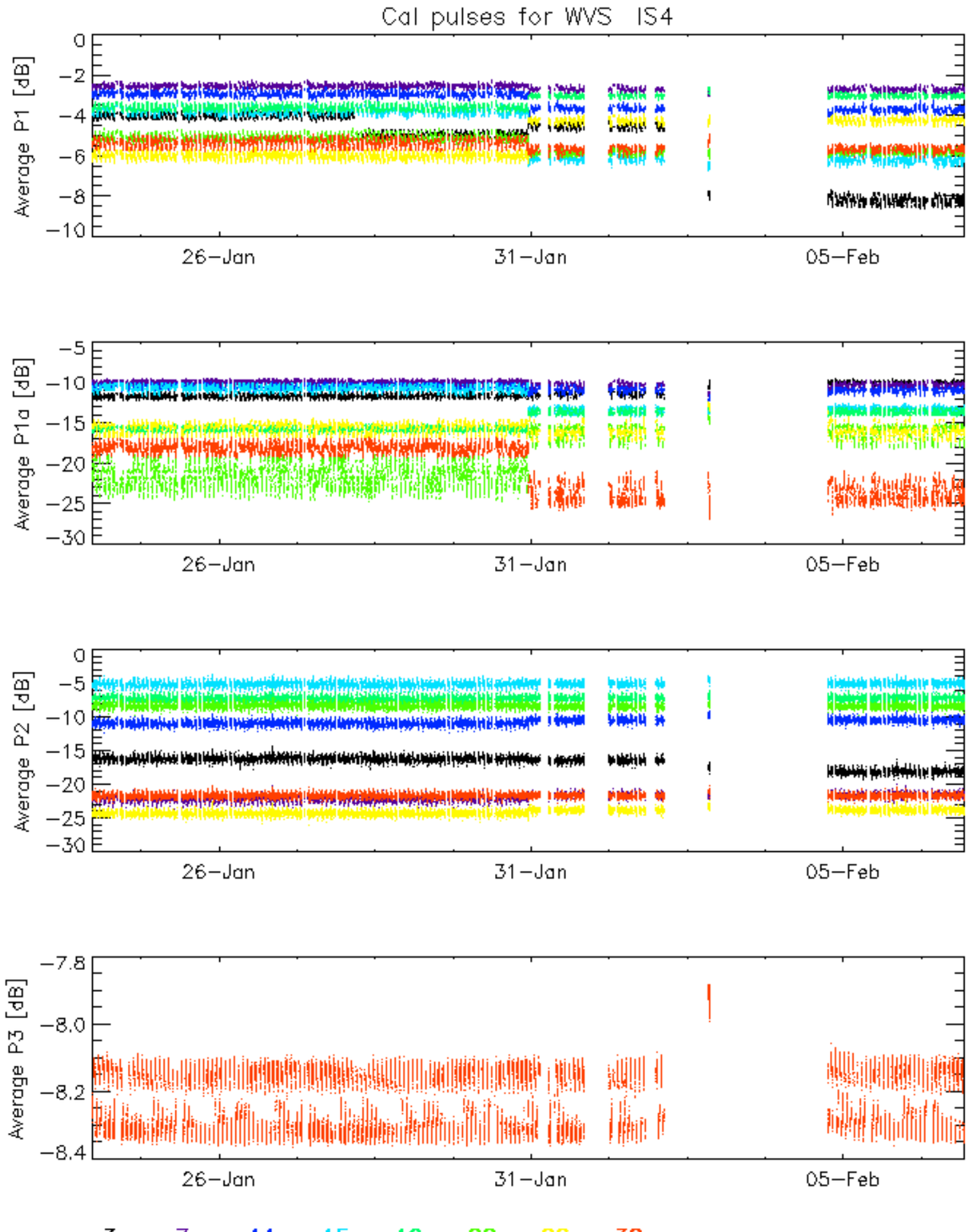

Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
09
12
15
18
21
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
09
12
15
18
21
06−Feb
Cal pulses for WVS IS4
Phase P1 [deg]
200
100
0
−100
−200
09
12
15
18
21
06−Feb
Phase P1a [deg]
200
100
0
−100
−200
09
12
15
18
21
06−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

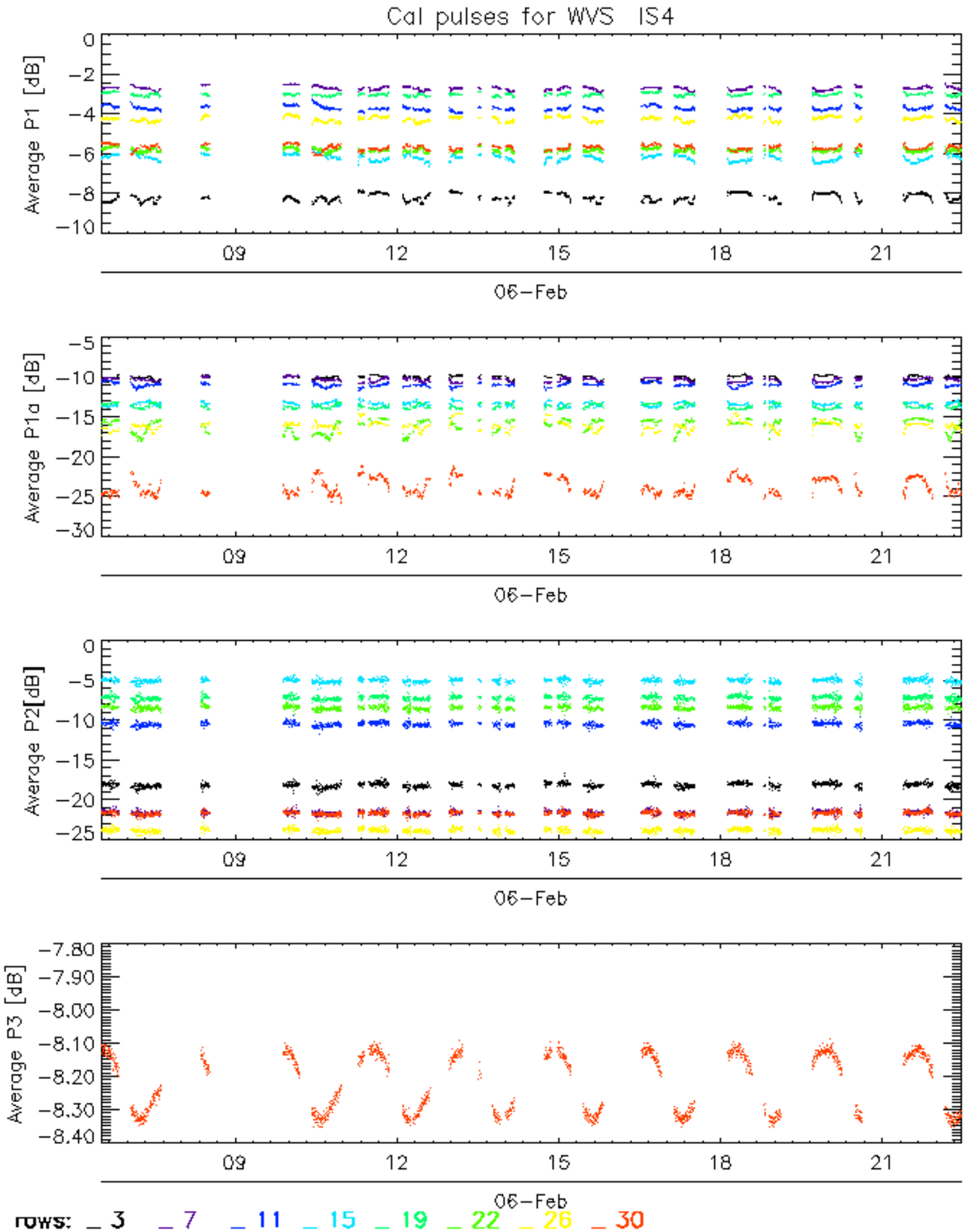

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


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

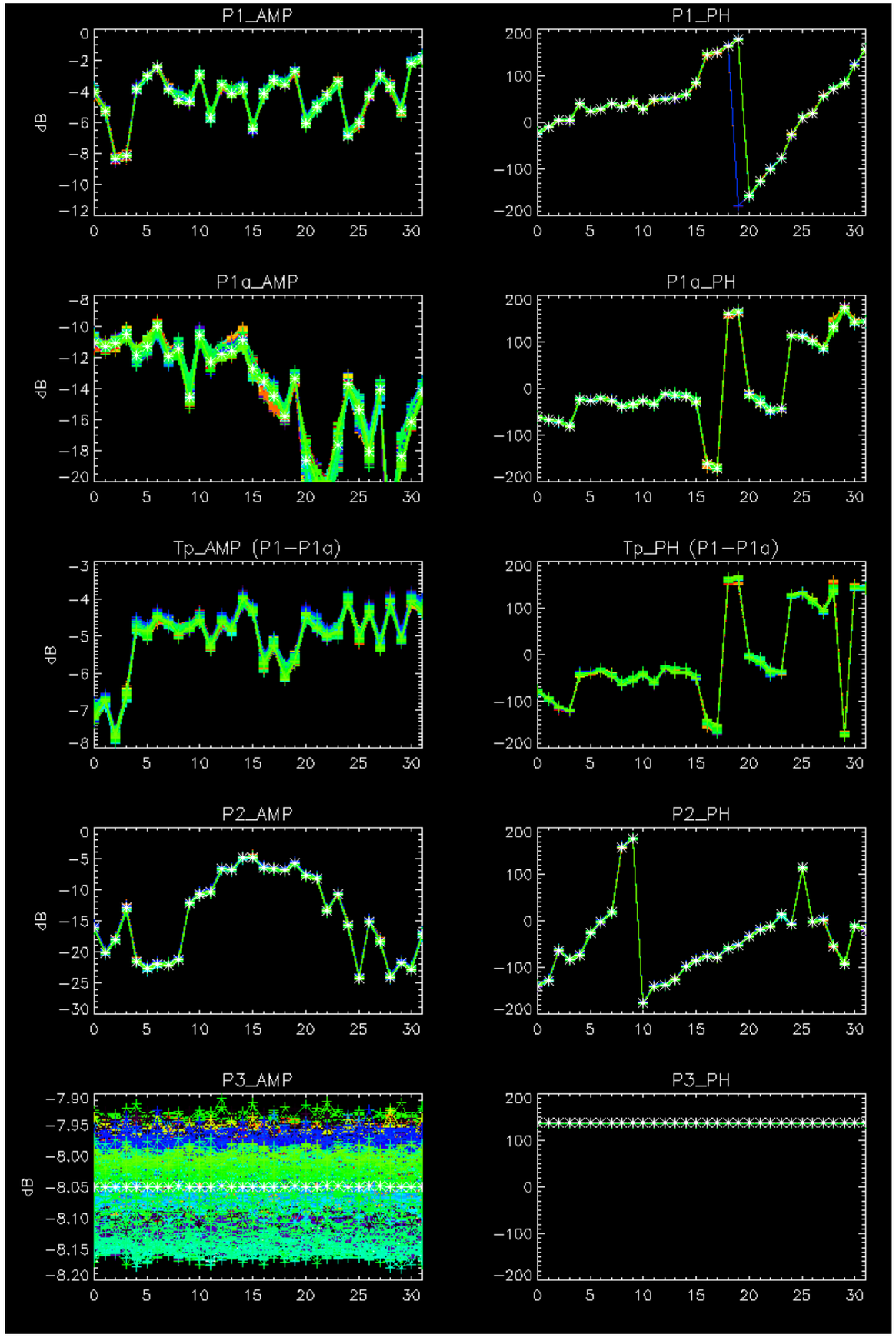

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

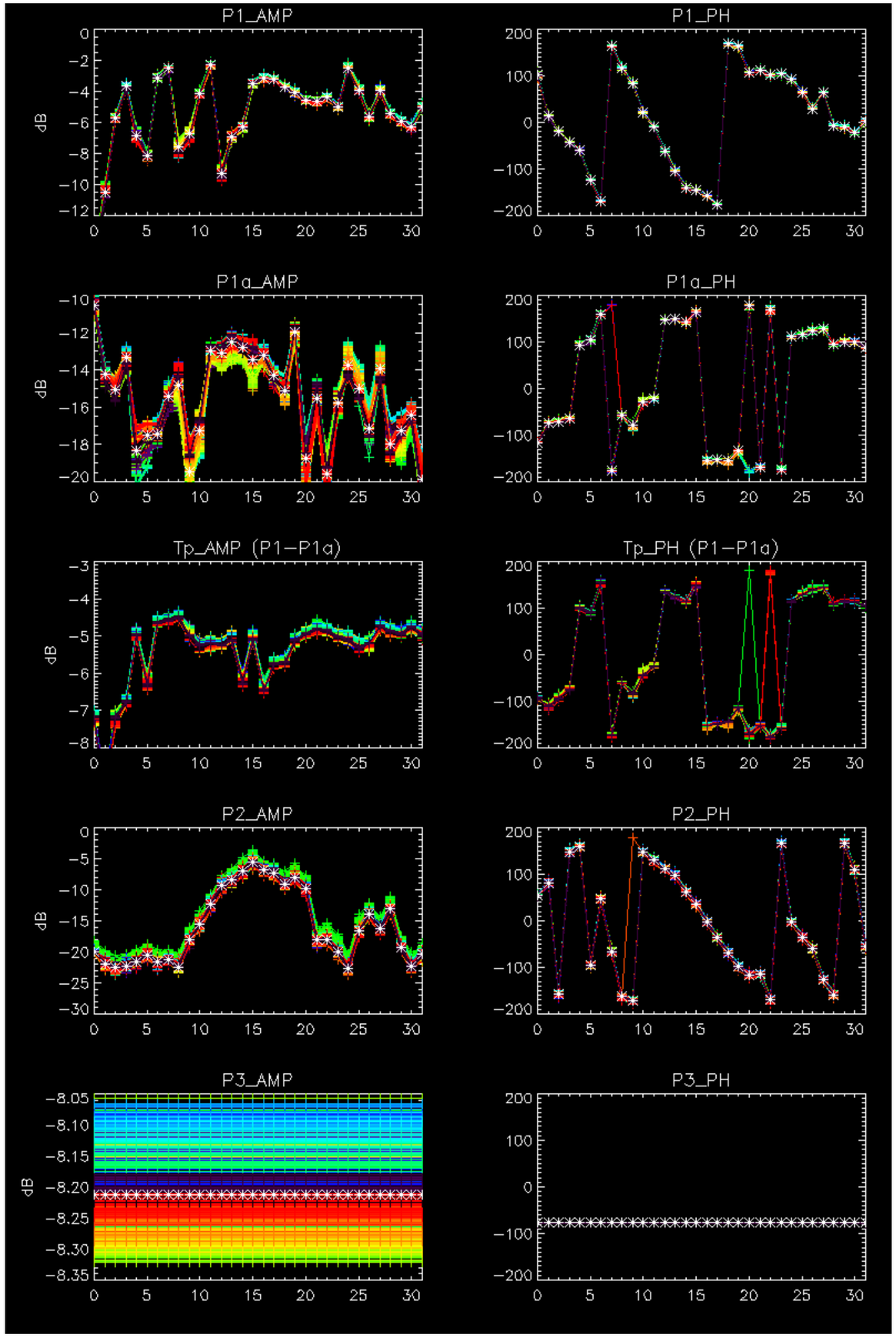

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
02
04
06
08
10
07−Feb
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
02
04
06
08
10
07−Feb
Average P2[dB]
0
−5
−10
−15
−20
−25
00
02
04
06
08
10
07−Feb
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
00
02
04
06
08
10
07−Feb
rows: 3 7 11 15 19 22 26 30

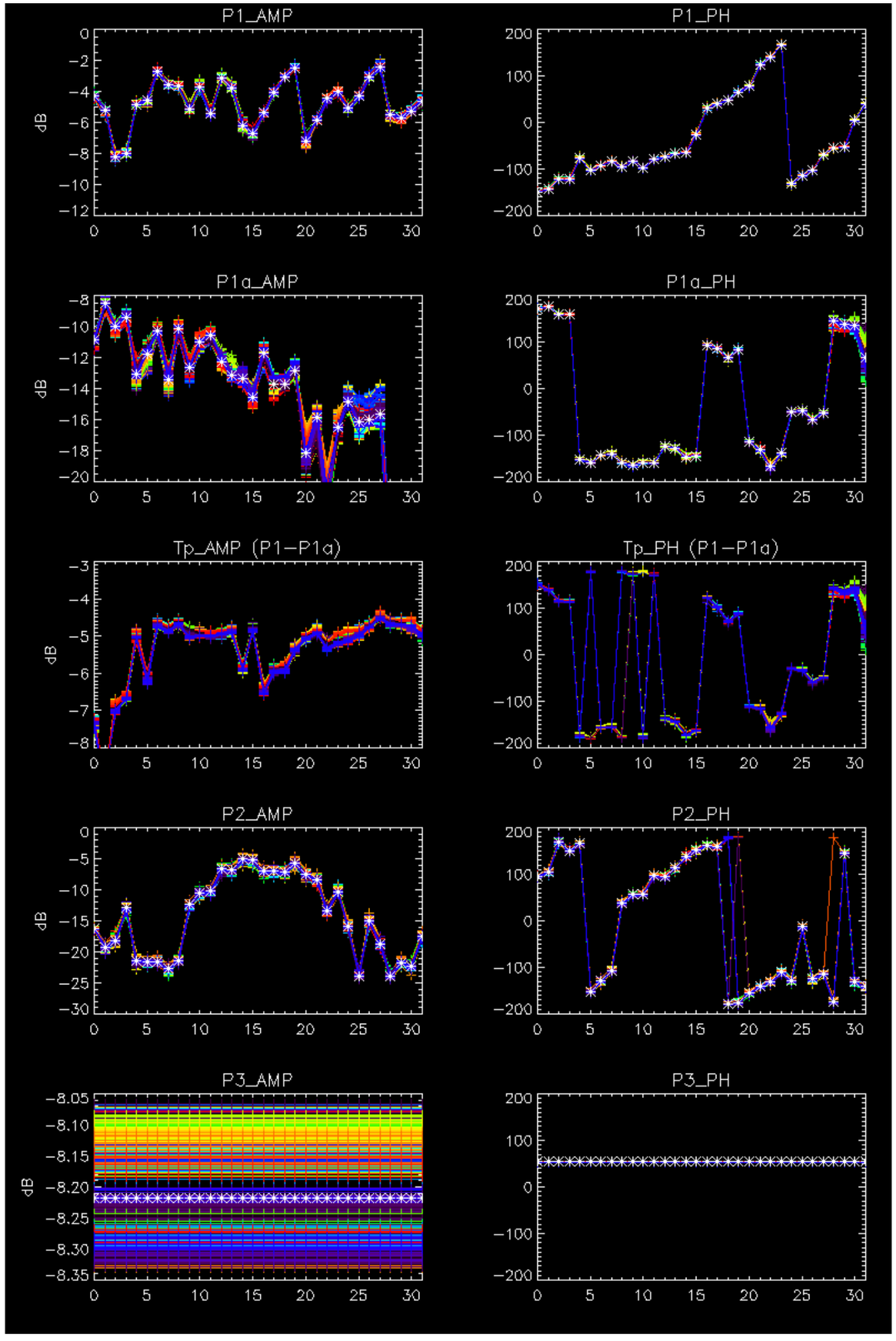

Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
26−Jan
31−Jan
05−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
05−Feb
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
26−Jan
31−Jan
05−Feb
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
26−Jan
31−Jan
05−Feb
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS4
Average P1 [dB]
0
−2
−4
−6
−8
−10
09
12
15
18
21
06−Feb
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

No anomalies observed.

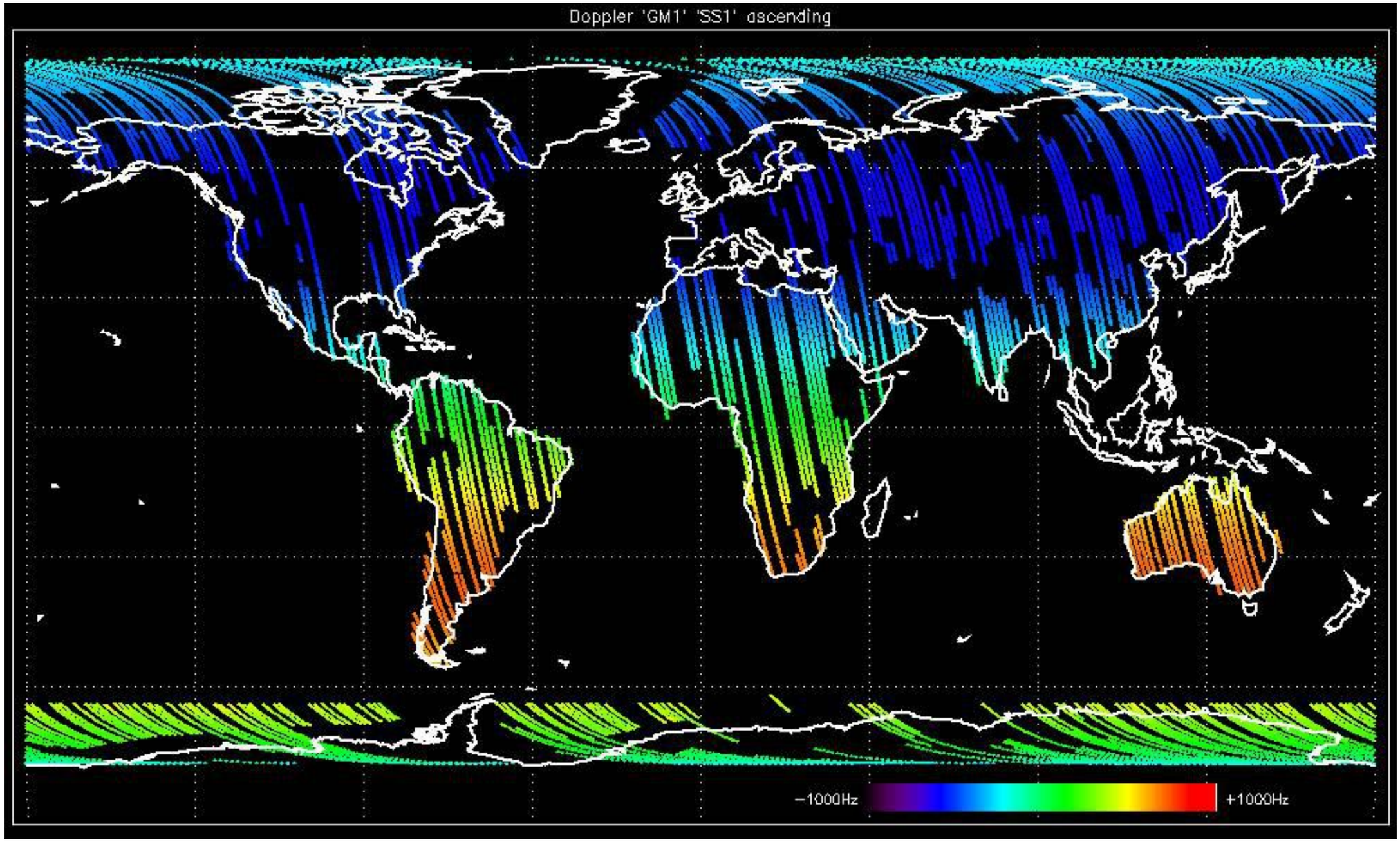

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

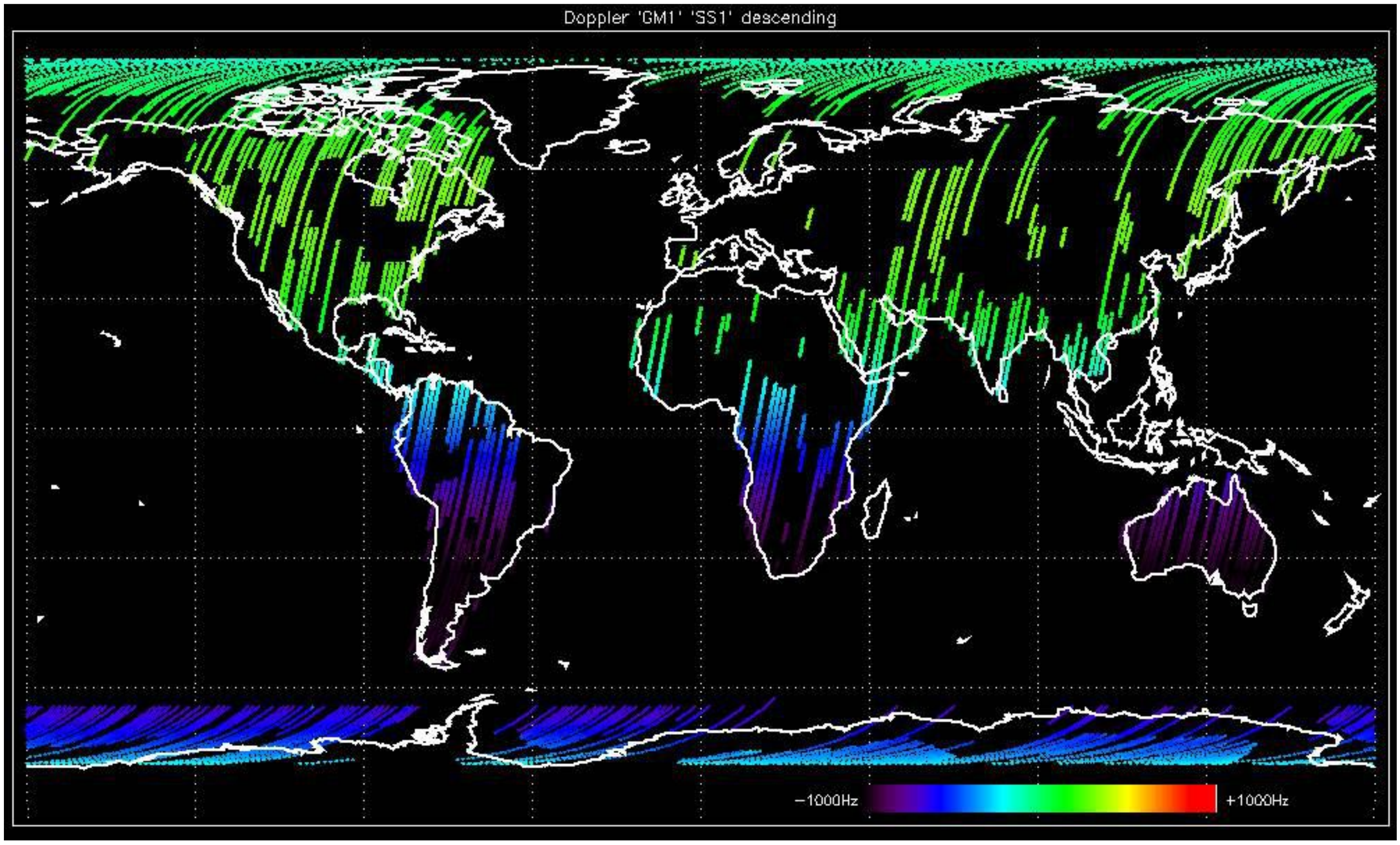

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

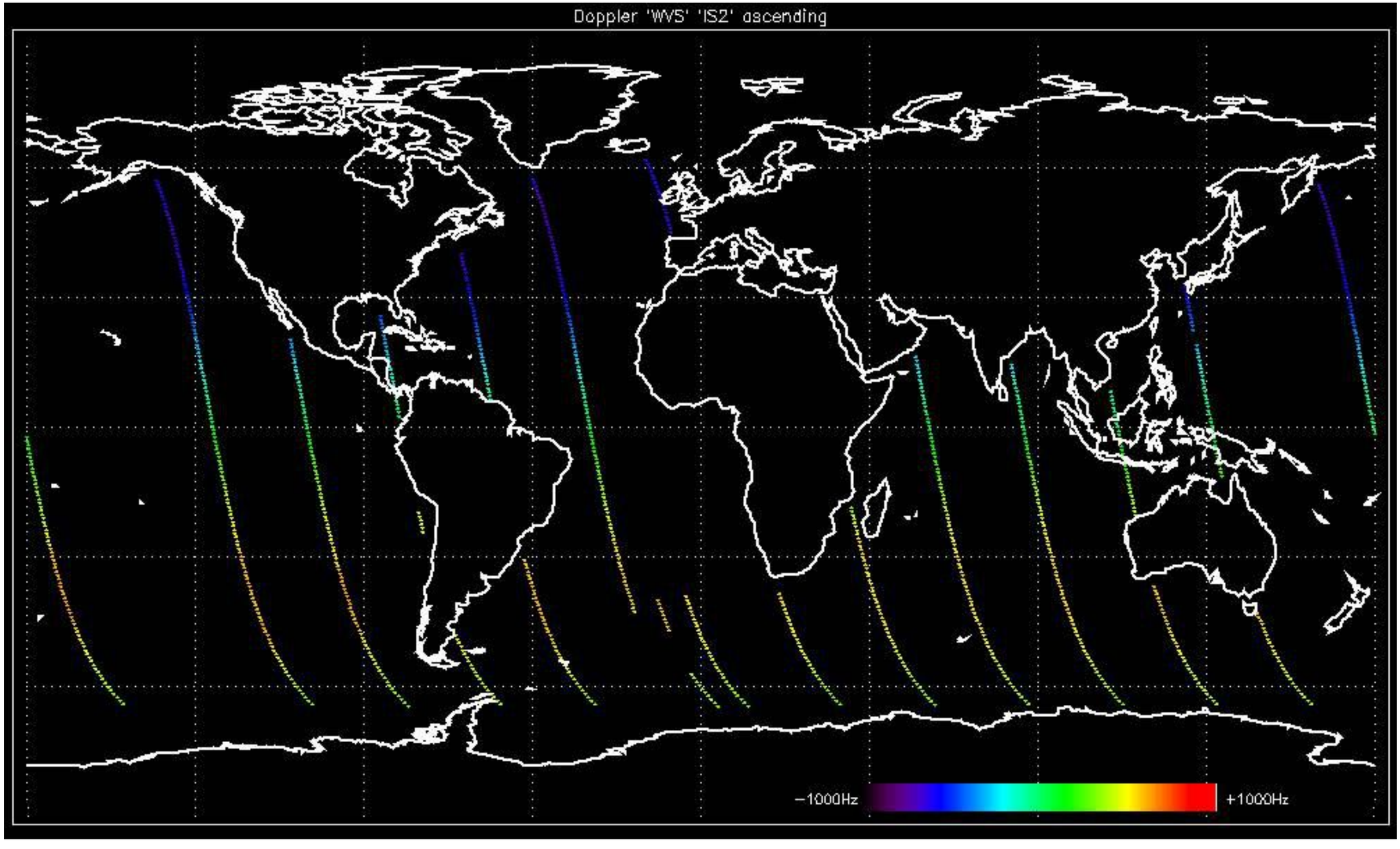

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

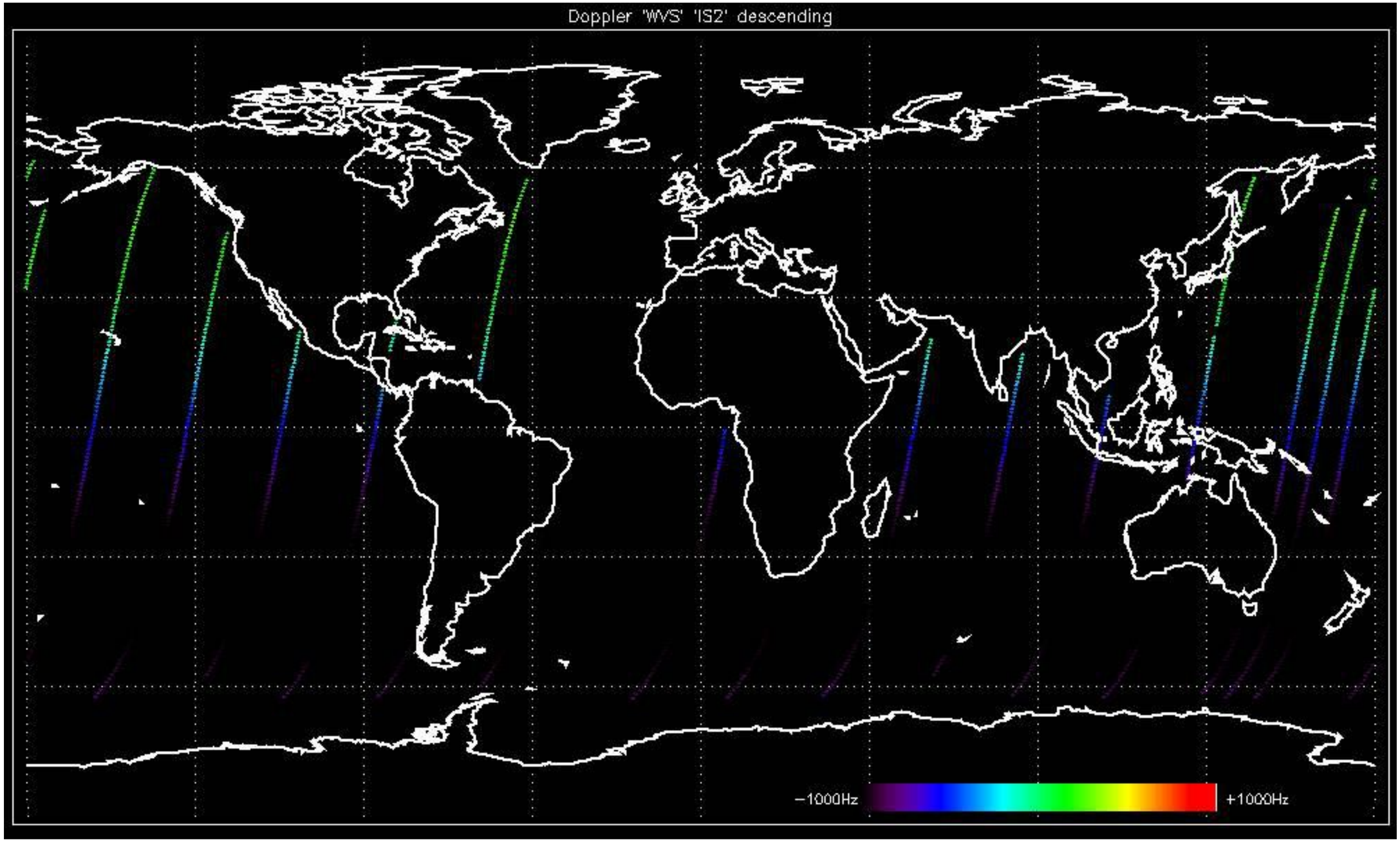
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

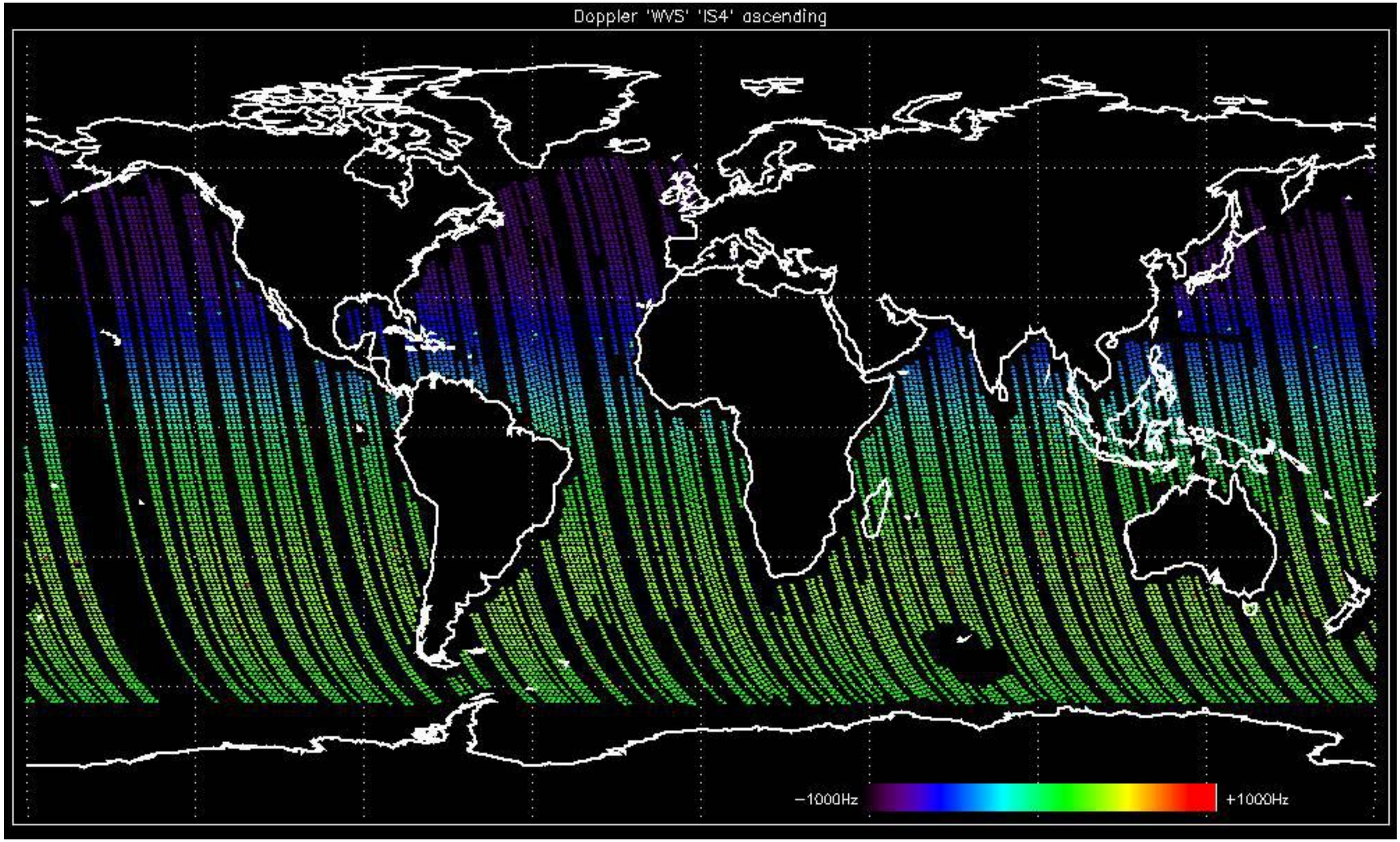
Preliminary report.The data is not yet controled

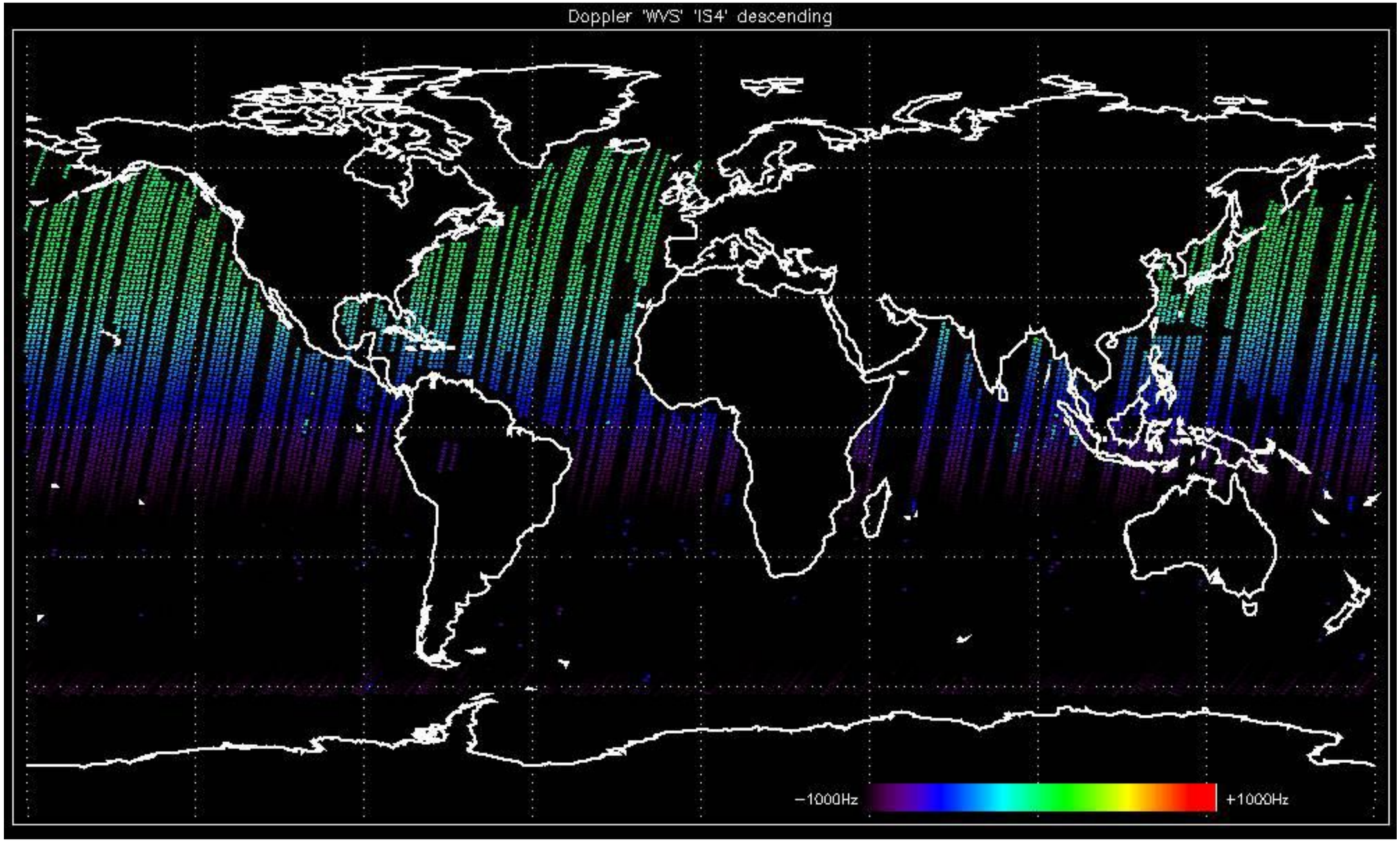

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

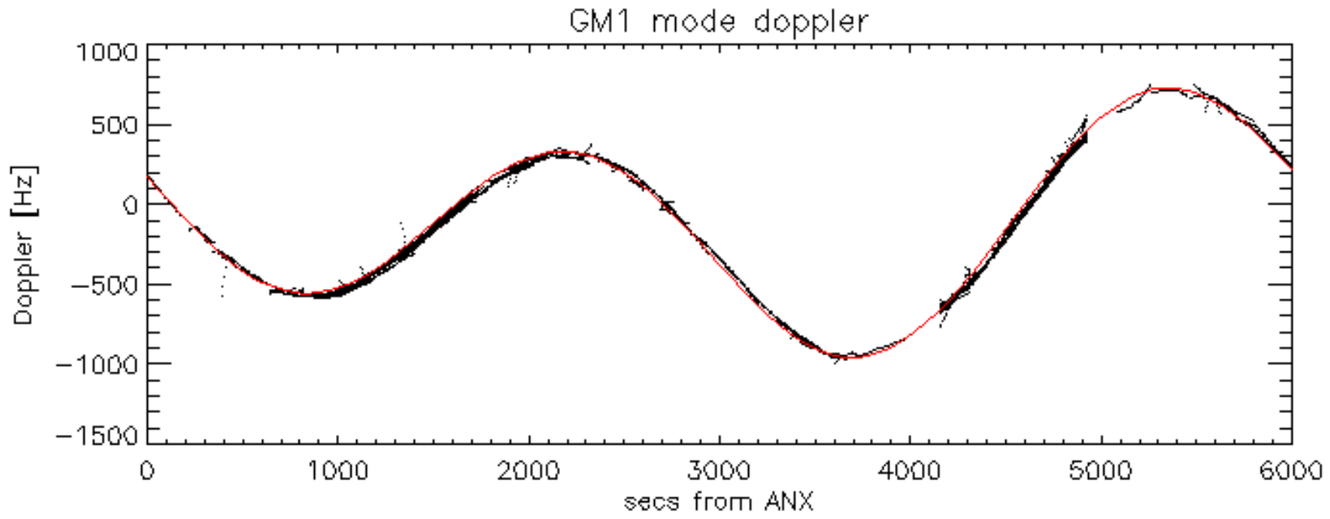

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

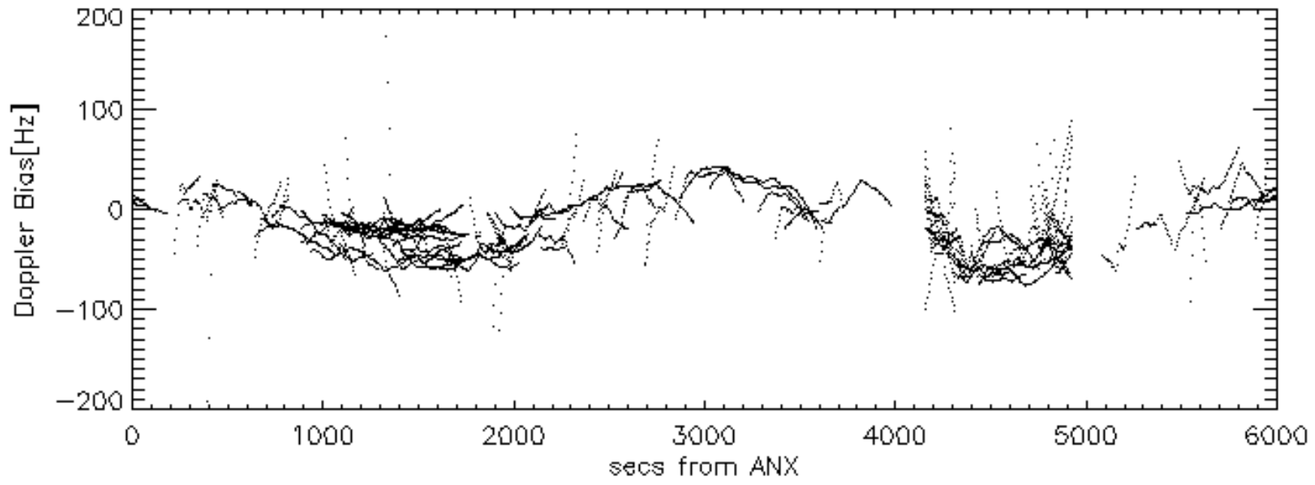

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

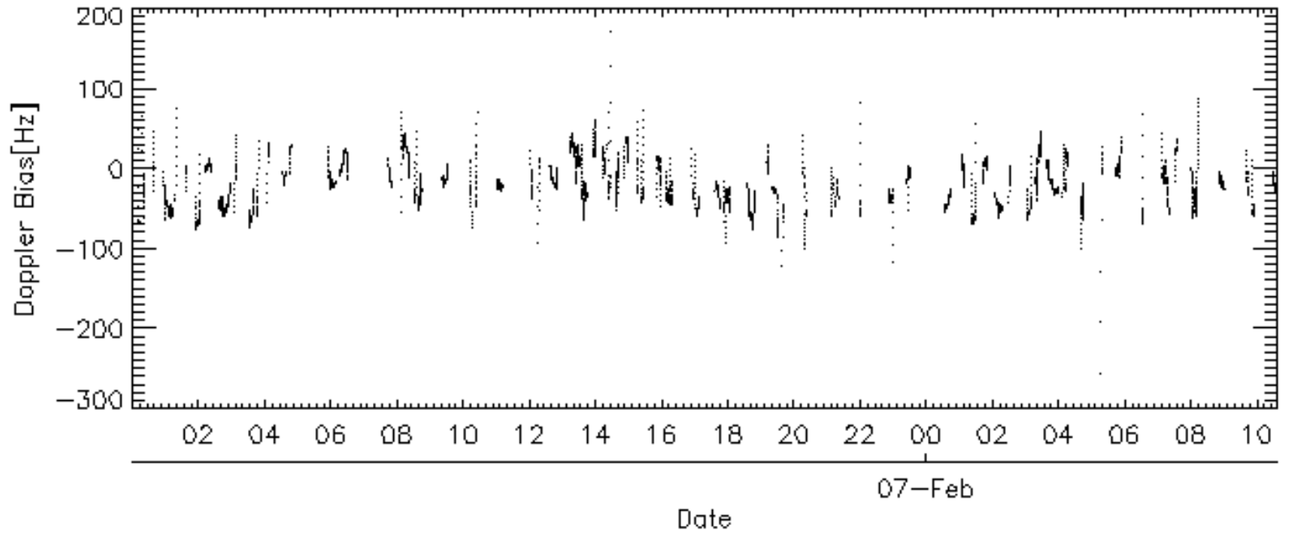

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

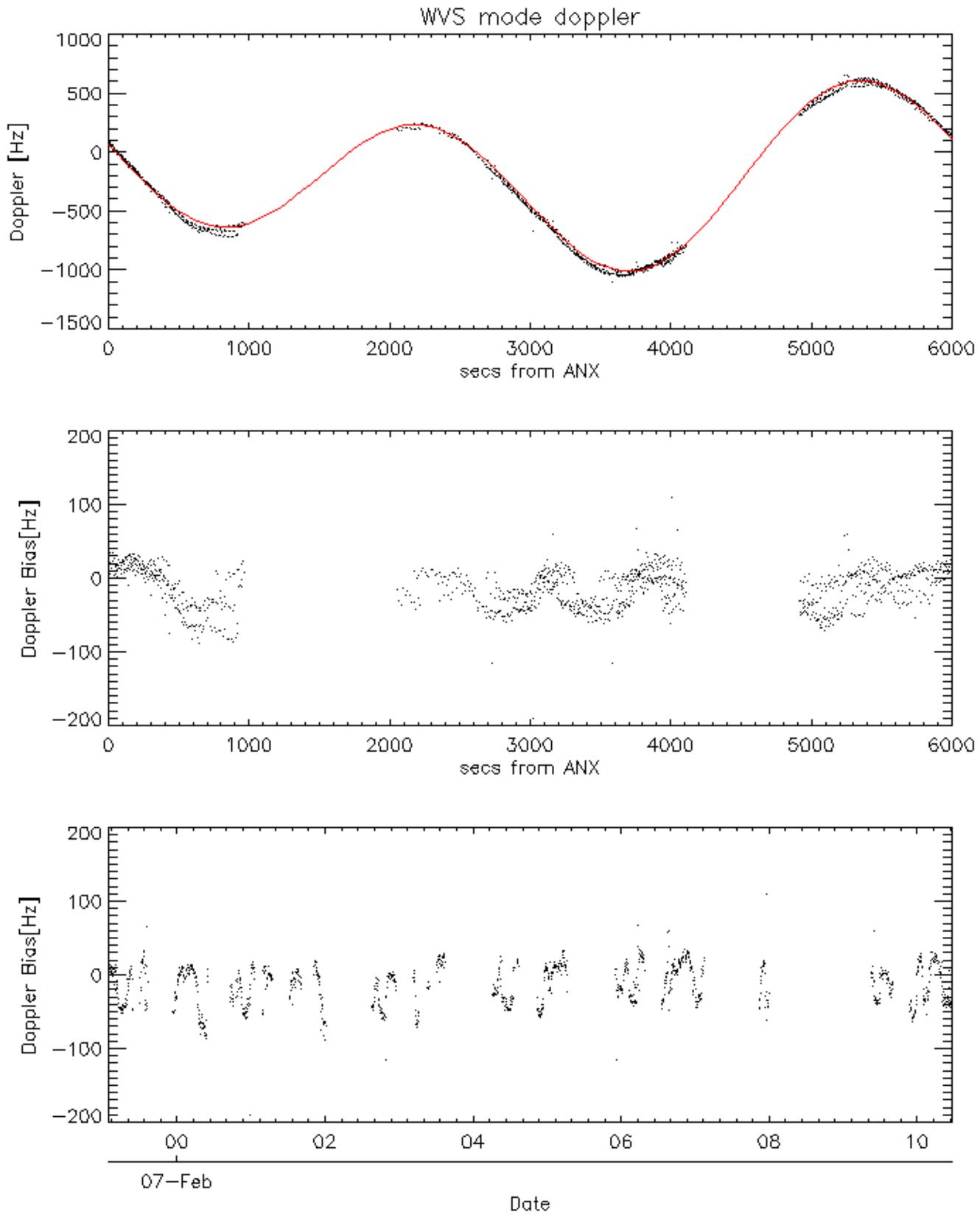

Doppler 'WVS' 'IS4' ascending
−1000Hz
+1000Hz

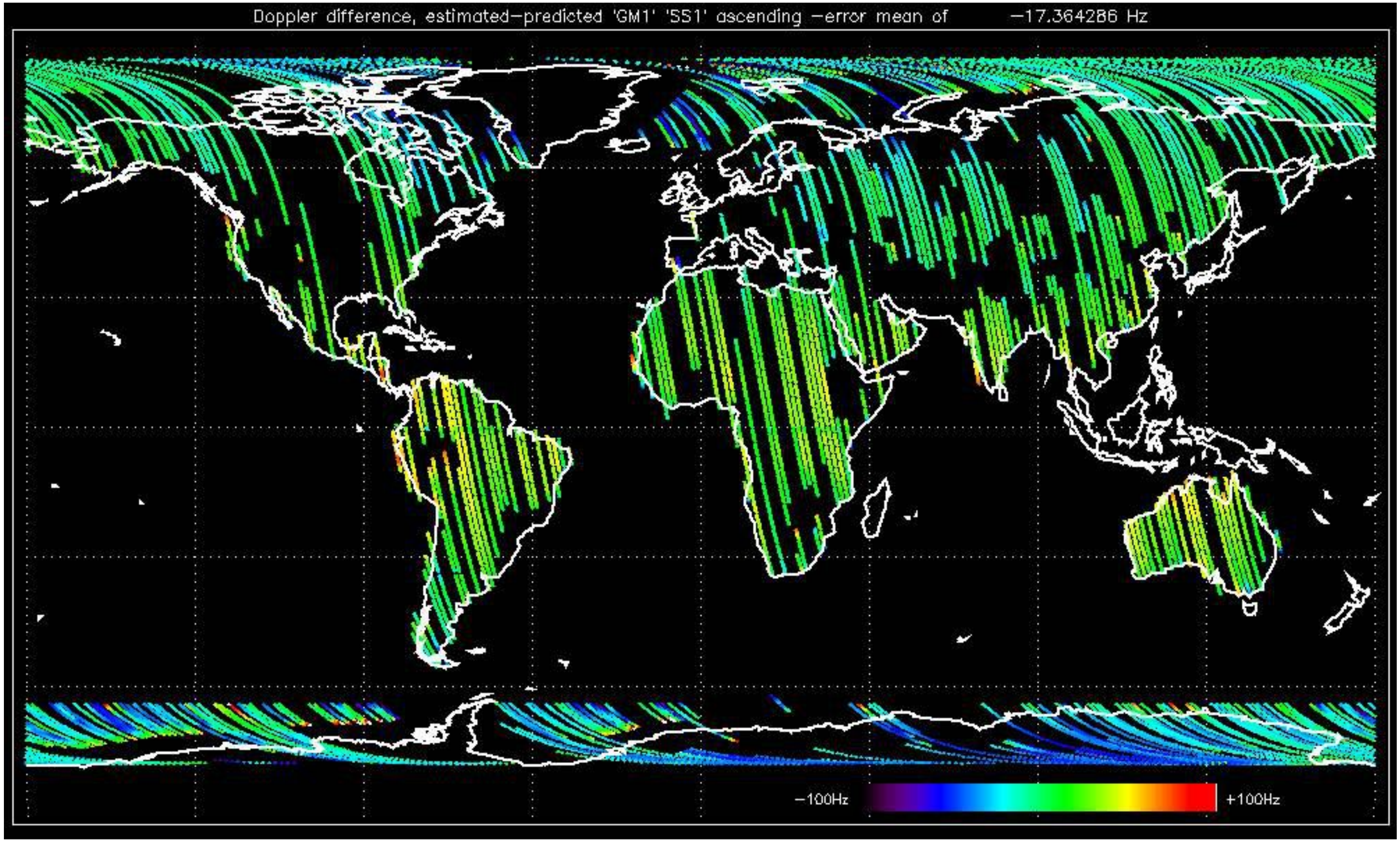

Doppler 'WVS' 'IS4' descending
−1000Hz
+1000Hz

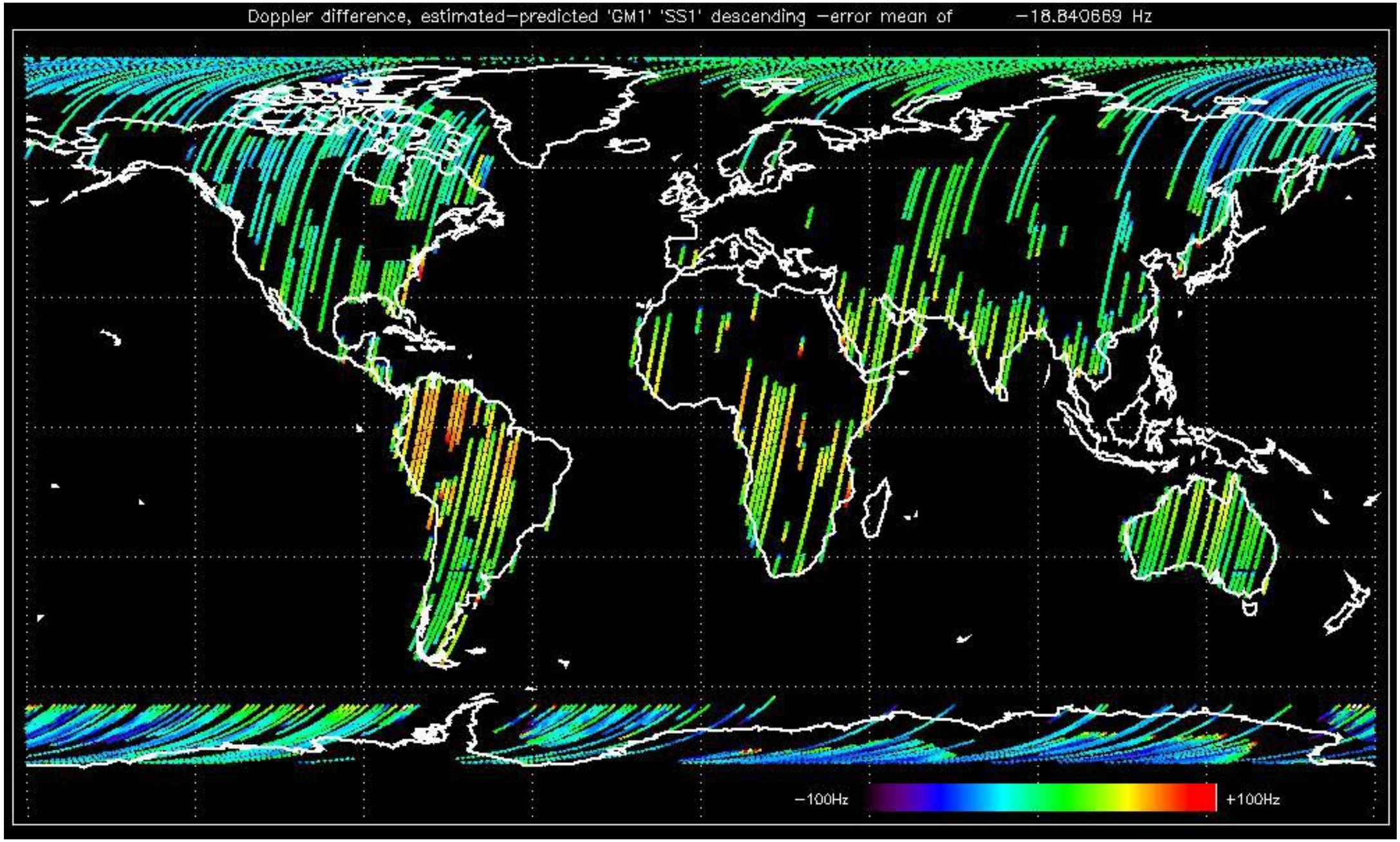

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

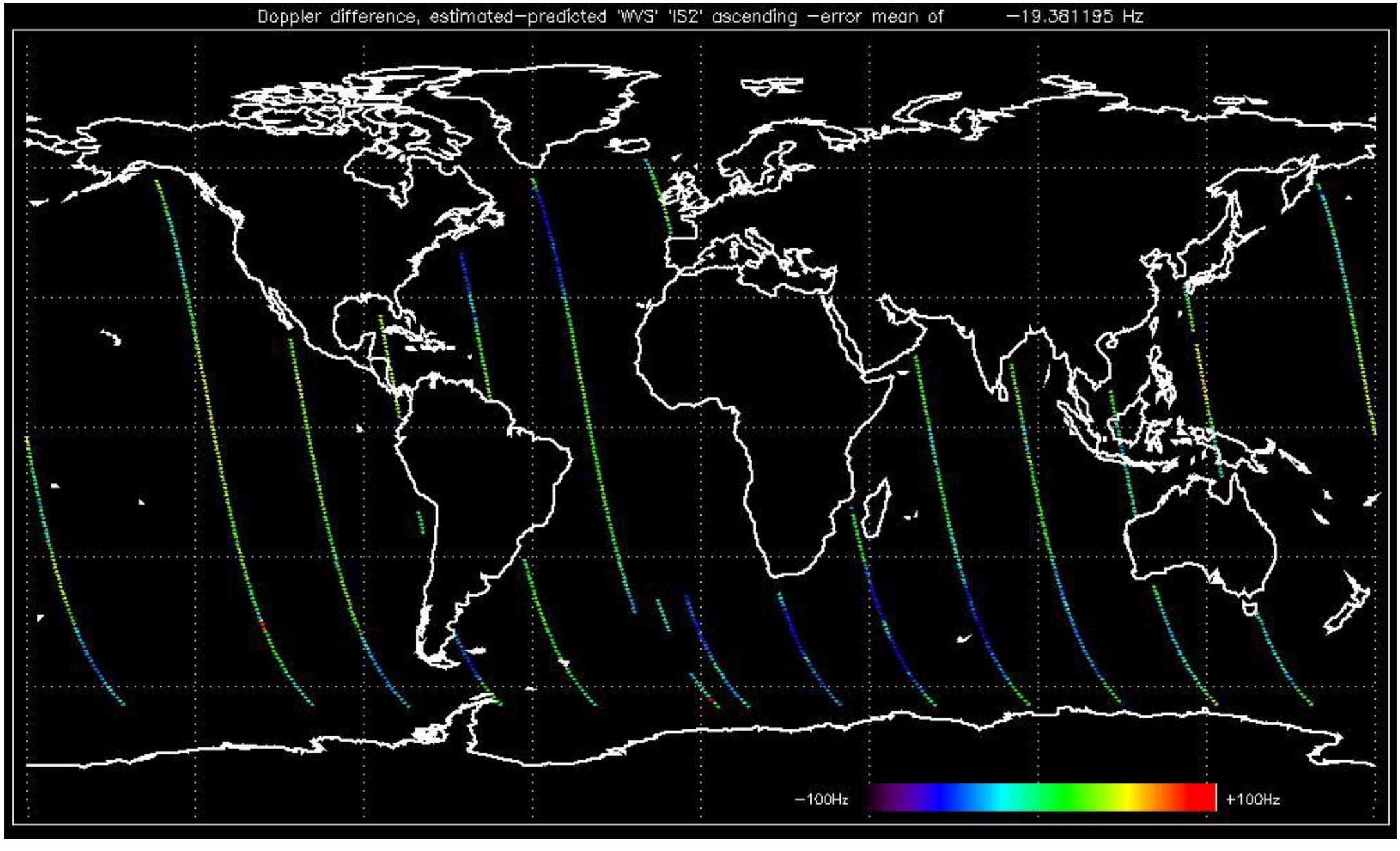

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

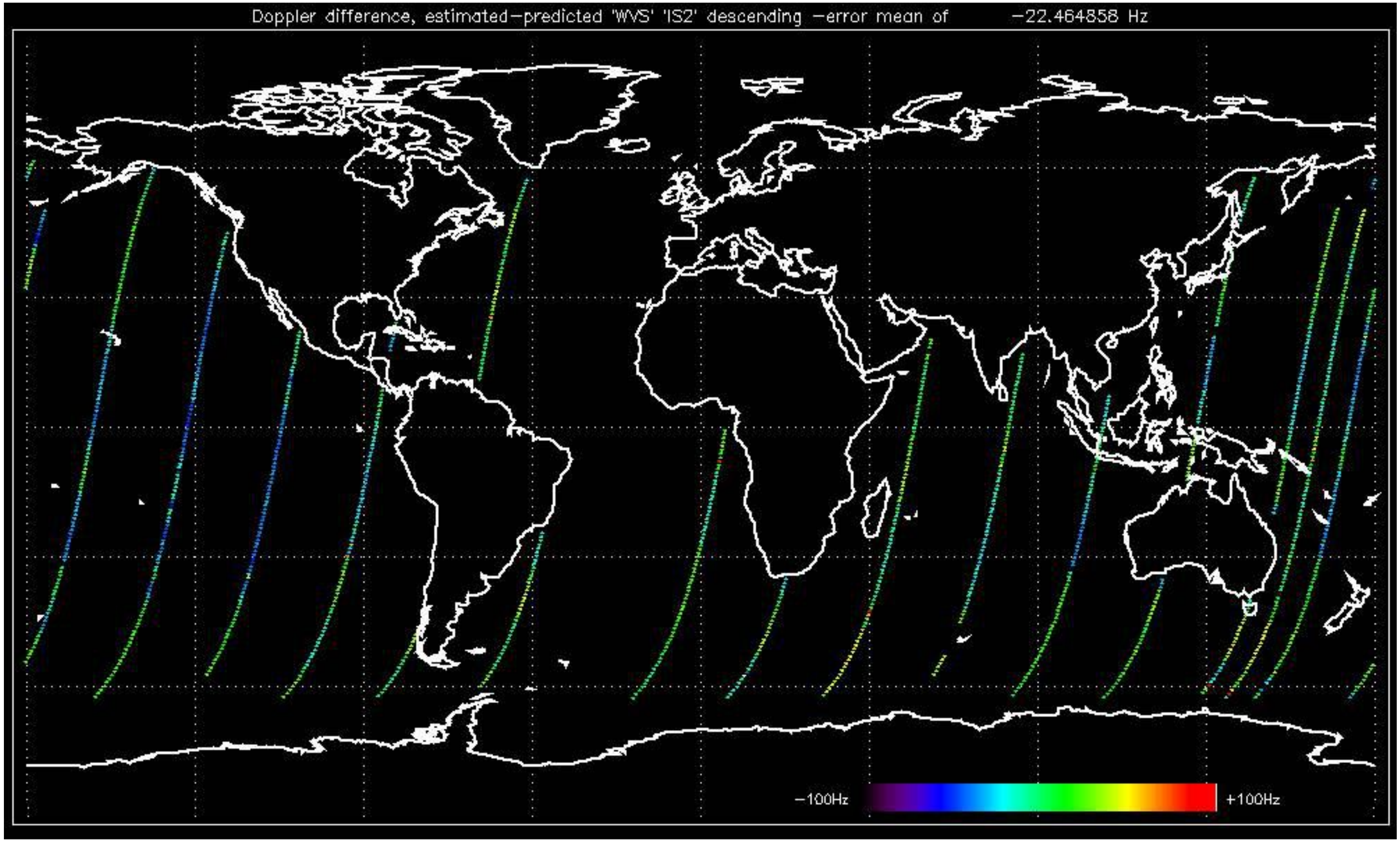

Doppler Bias[Hz]
200
100
0
−100
−200
−300
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
10
07−Feb
Date

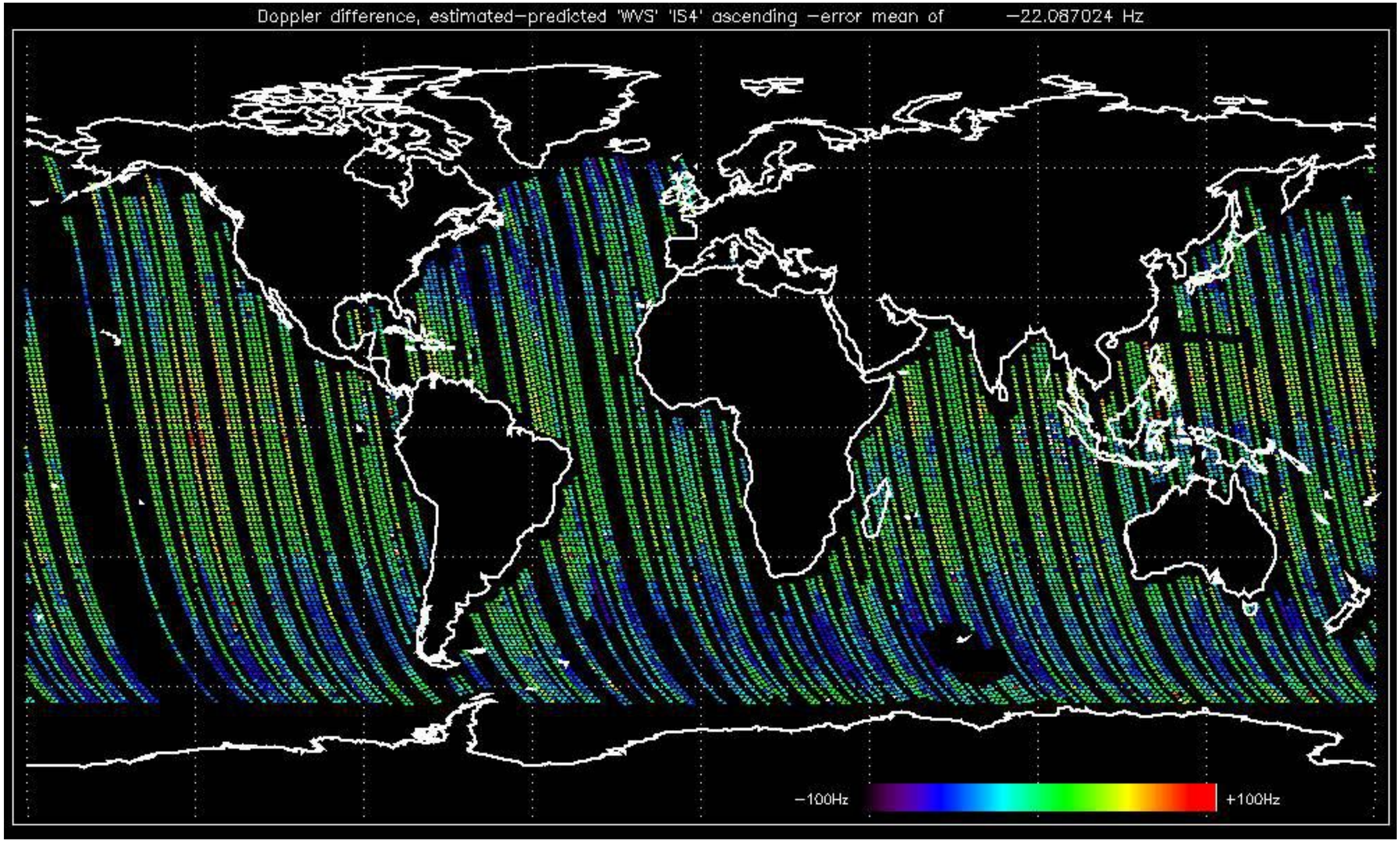

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX
Doppler Bias[Hz]
200
100
0
−100
−200
secs from ANX
Doppler Bias[Hz]
00
02
04
06
08
10
07−Feb
Date

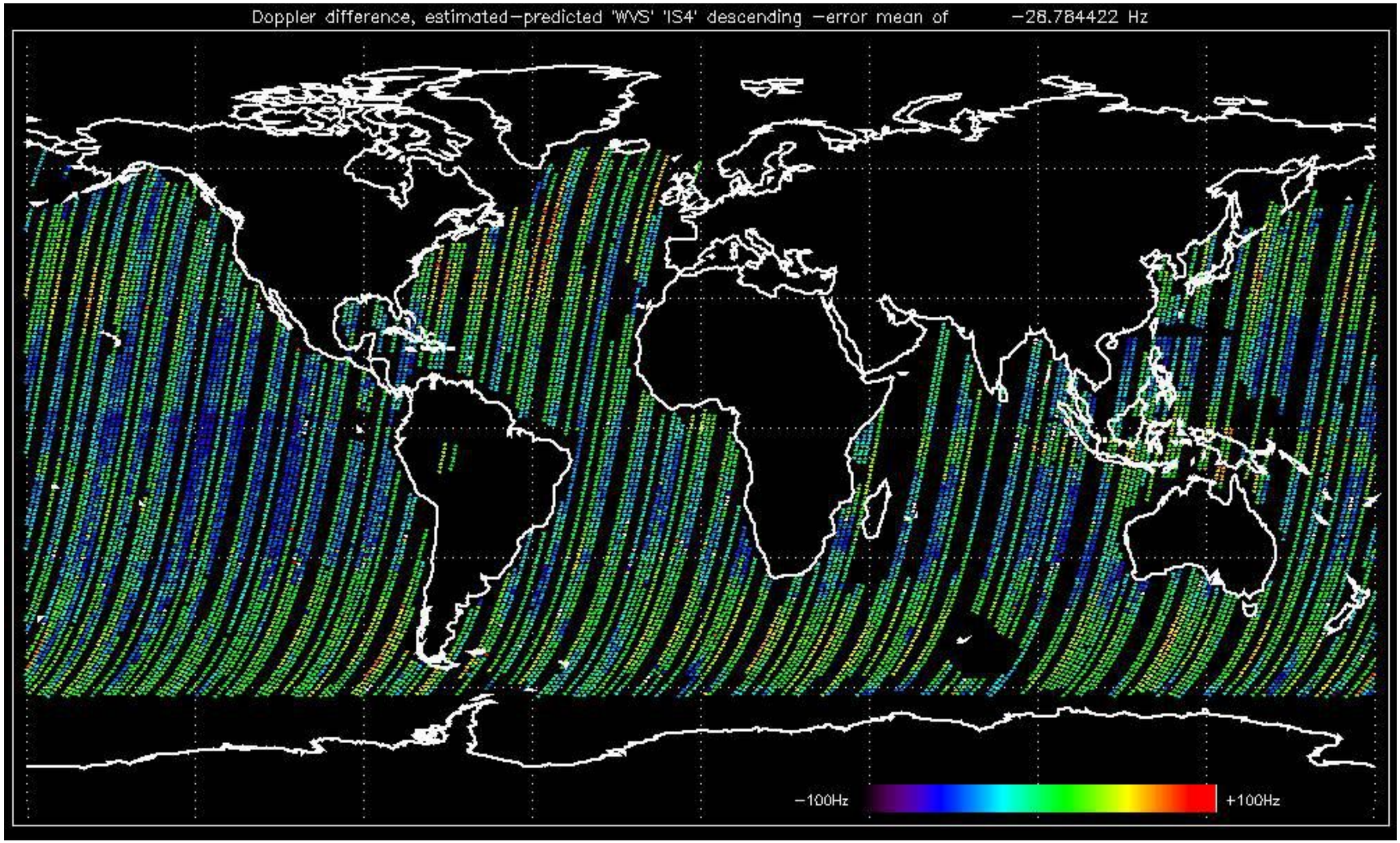

Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −17.364286 Hz
−100Hz
+100Hz


Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -18.840669 Hz
-100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −19.381195 Hz
−100Hz
+100Hz

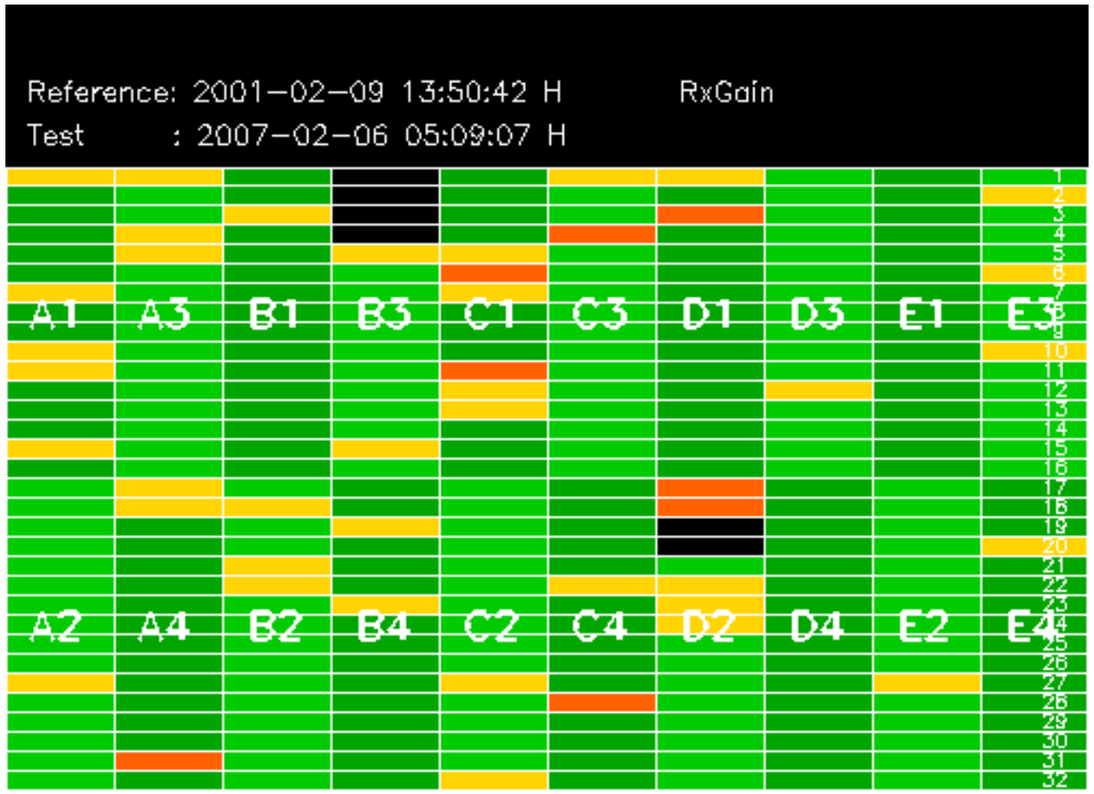

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −22.464858 Hz
−100Hz
+100Hz

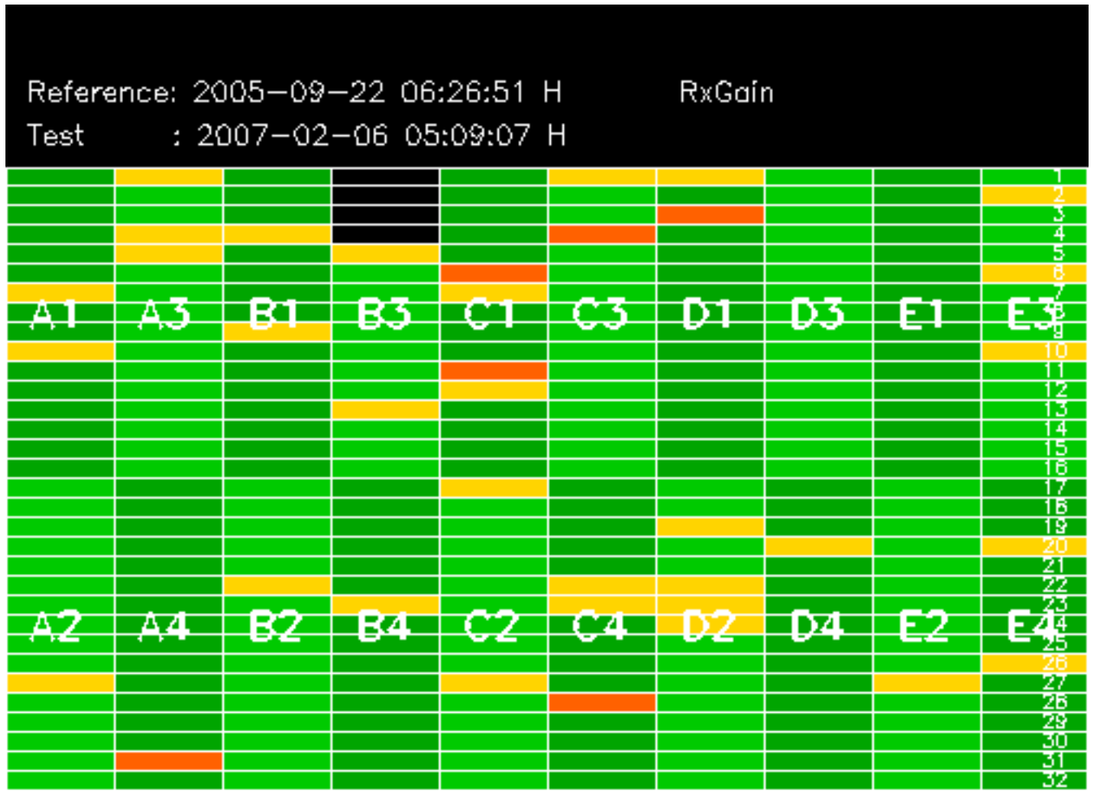

Doppler difference, estimated−predicted 'WVS' 'IS4' ascending −error mean of −22.087024 Hz
−100Hz
+100Hz

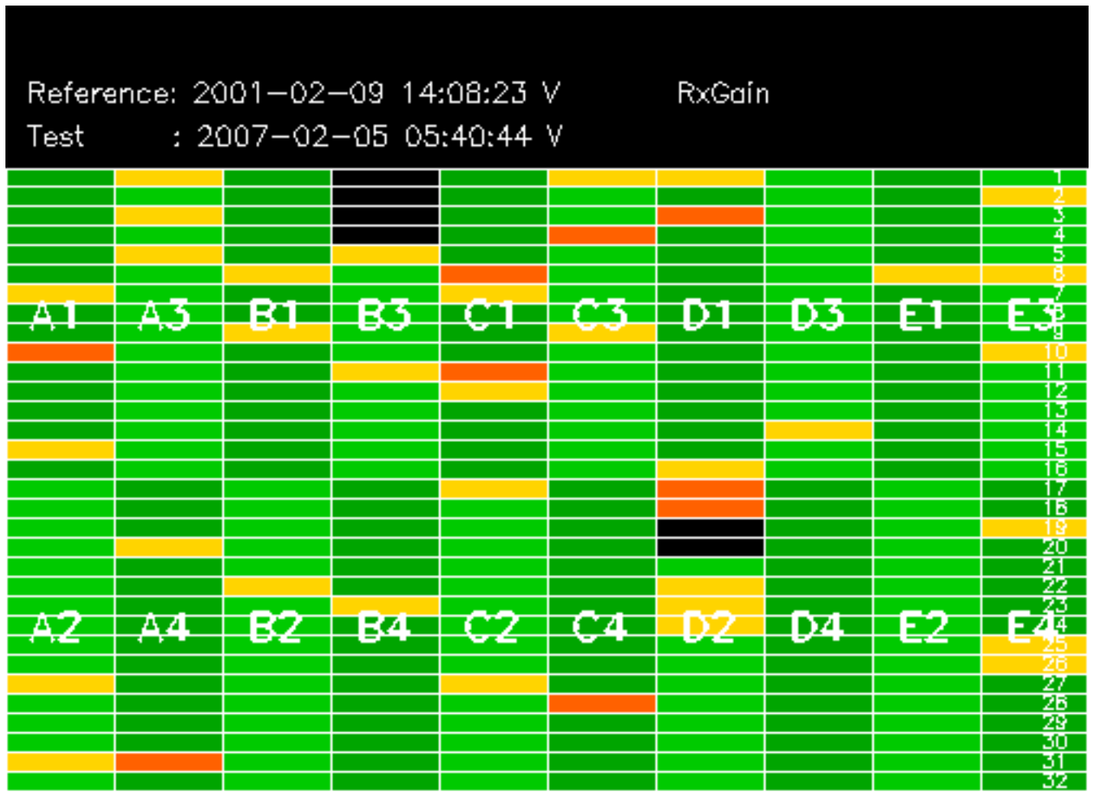

Doppler difference, estimated−predicted 'WVS' 'IS4' descending −error mean of −28.784422 Hz
−100Hz
+100Hz

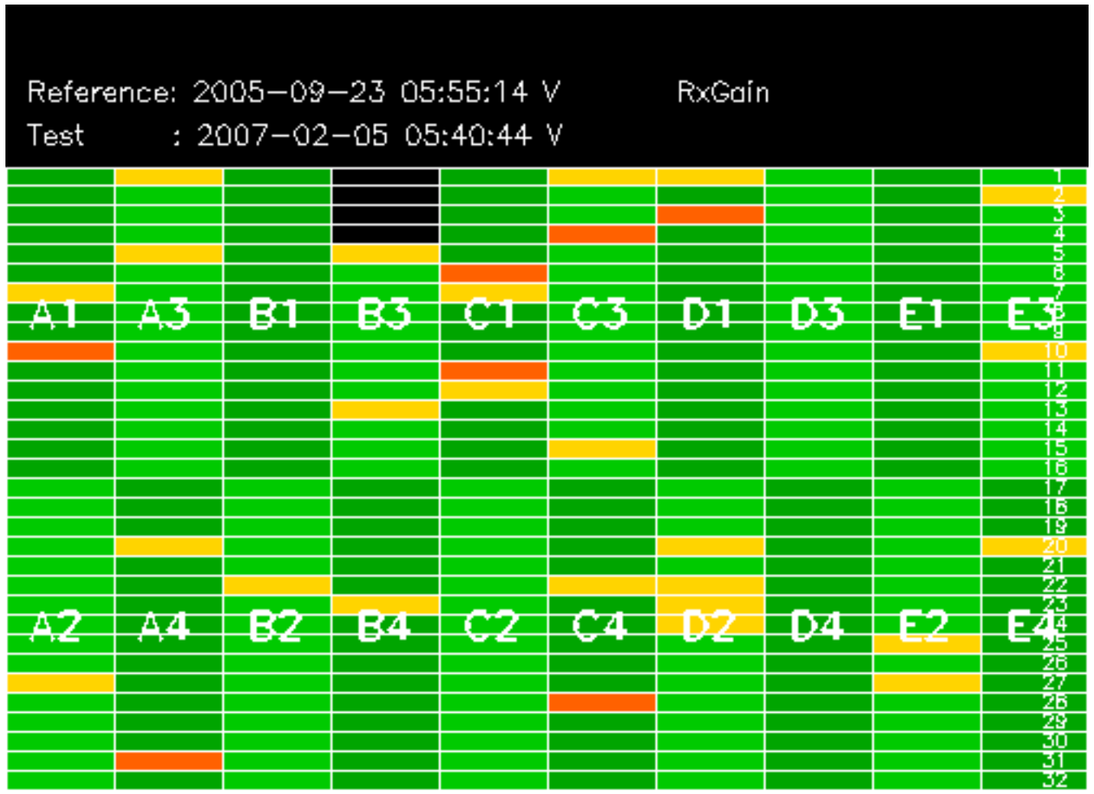
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-06 05:09:07 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-02-06 05:09:07 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 : 2007-02-05 05:40:44 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 : 2007-02-05 05:40:44 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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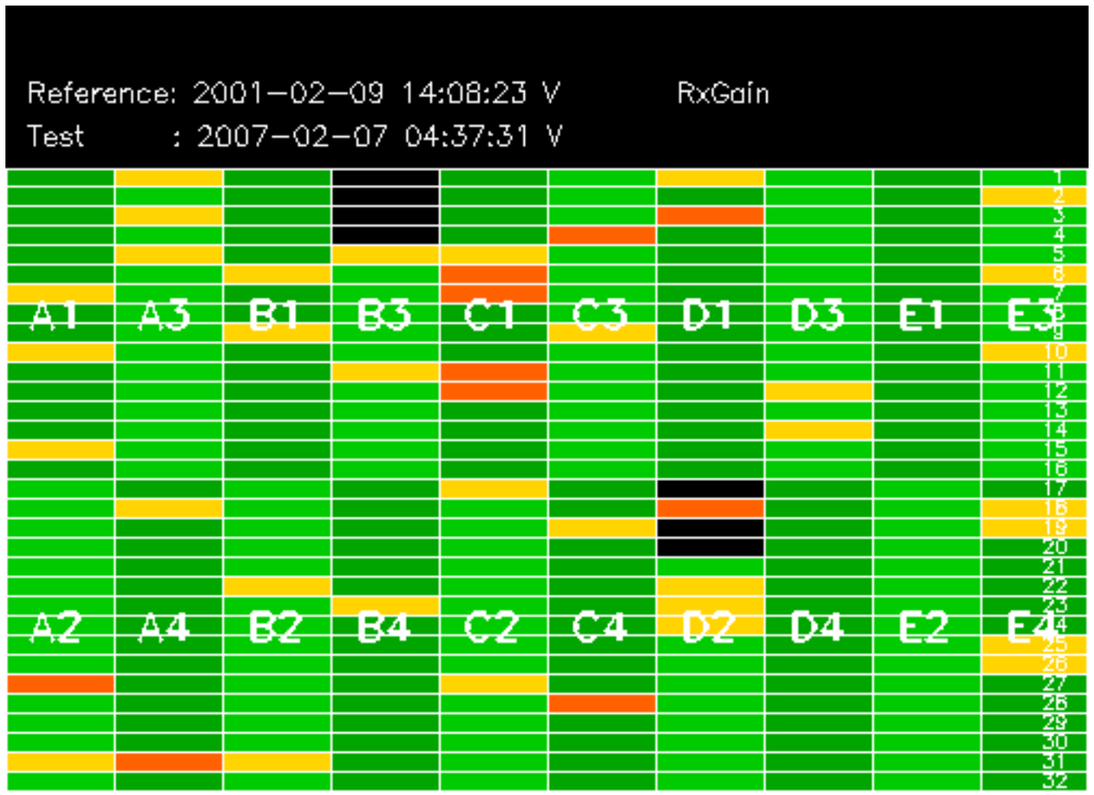
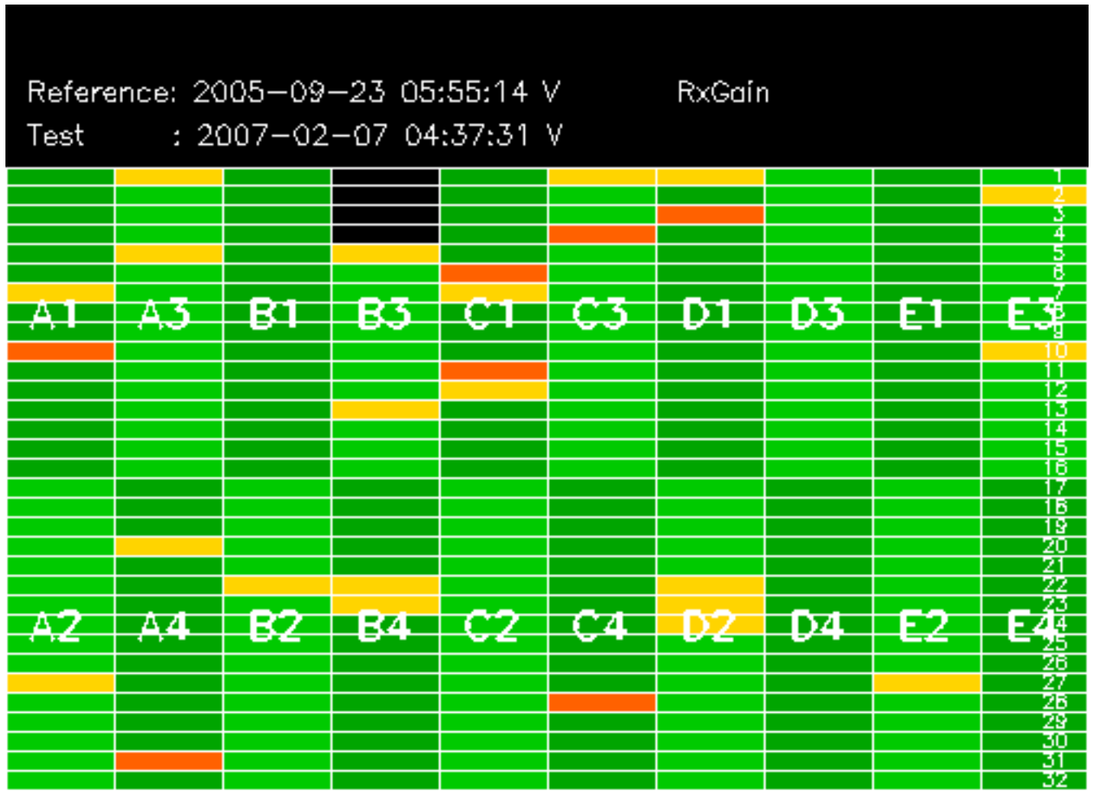

Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-02-07 04:37:31 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-07 04:37:31 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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31
32


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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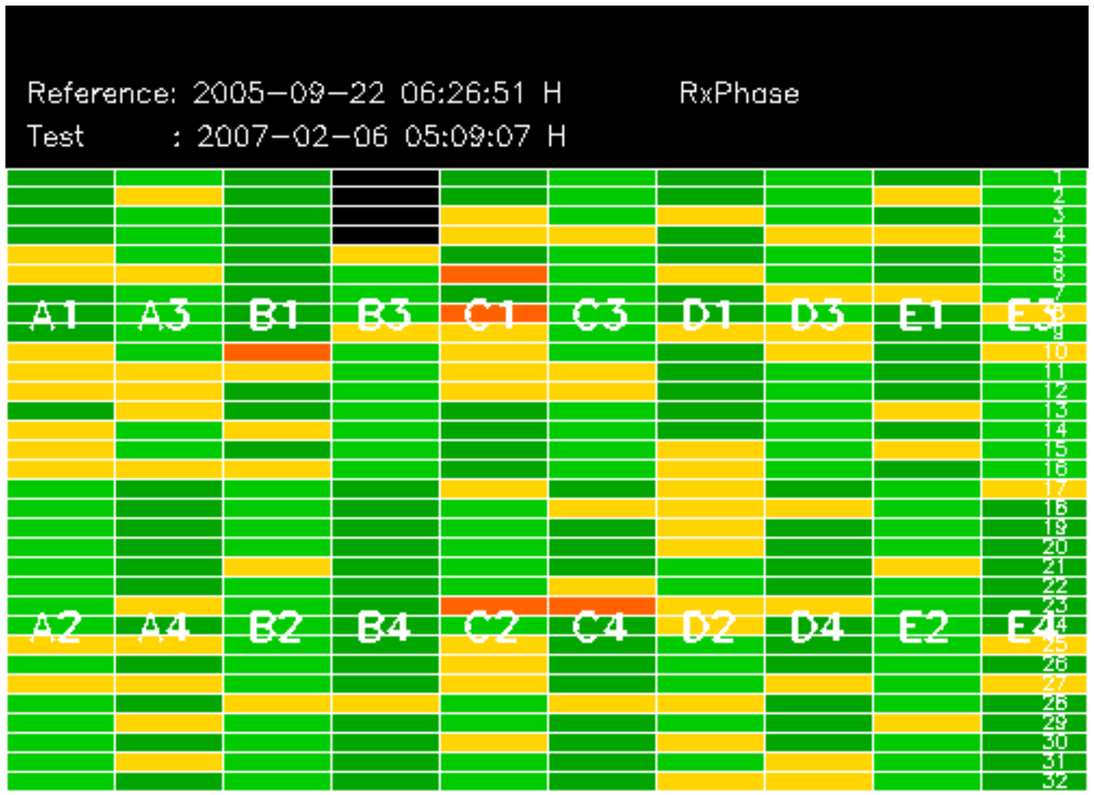
Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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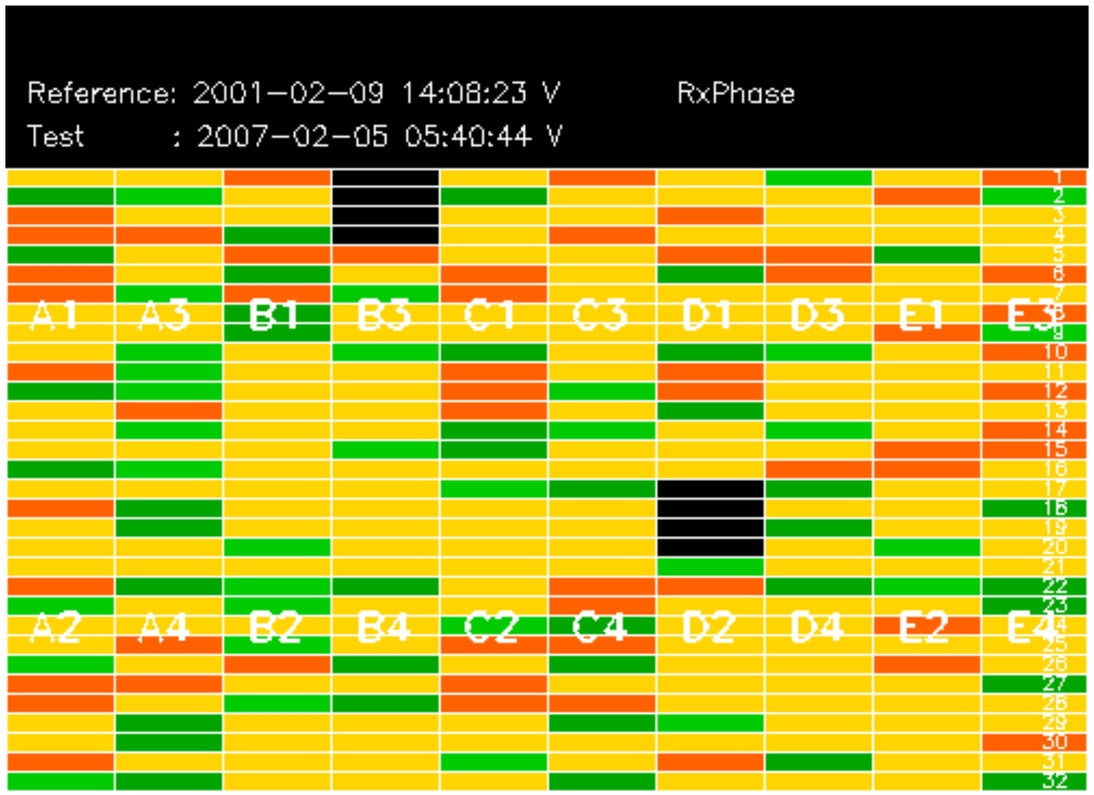
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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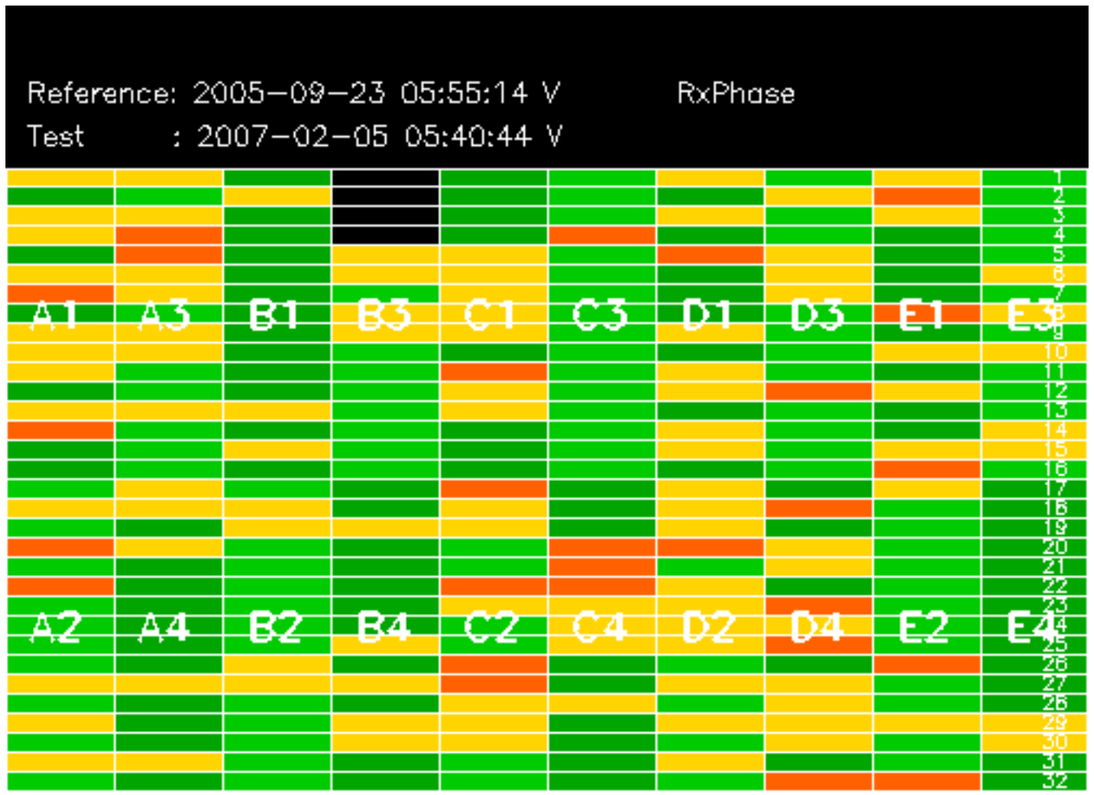
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-05 05:40:44 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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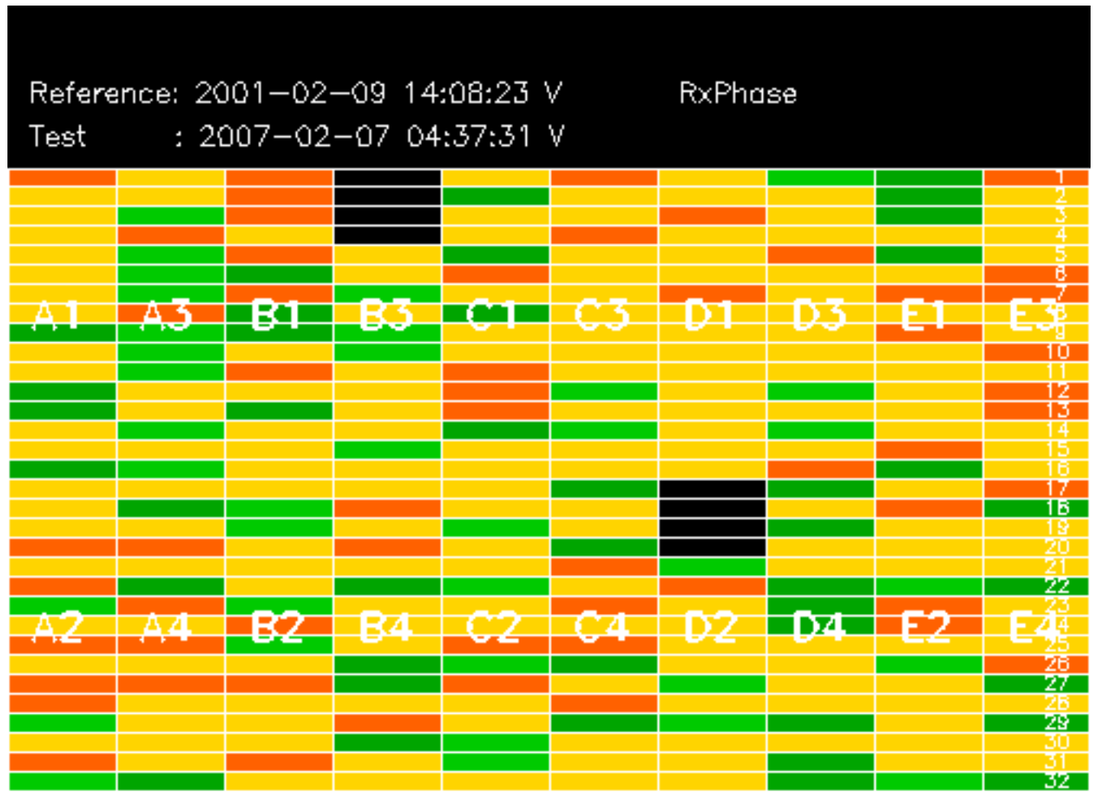
Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-02-07 04:37:31 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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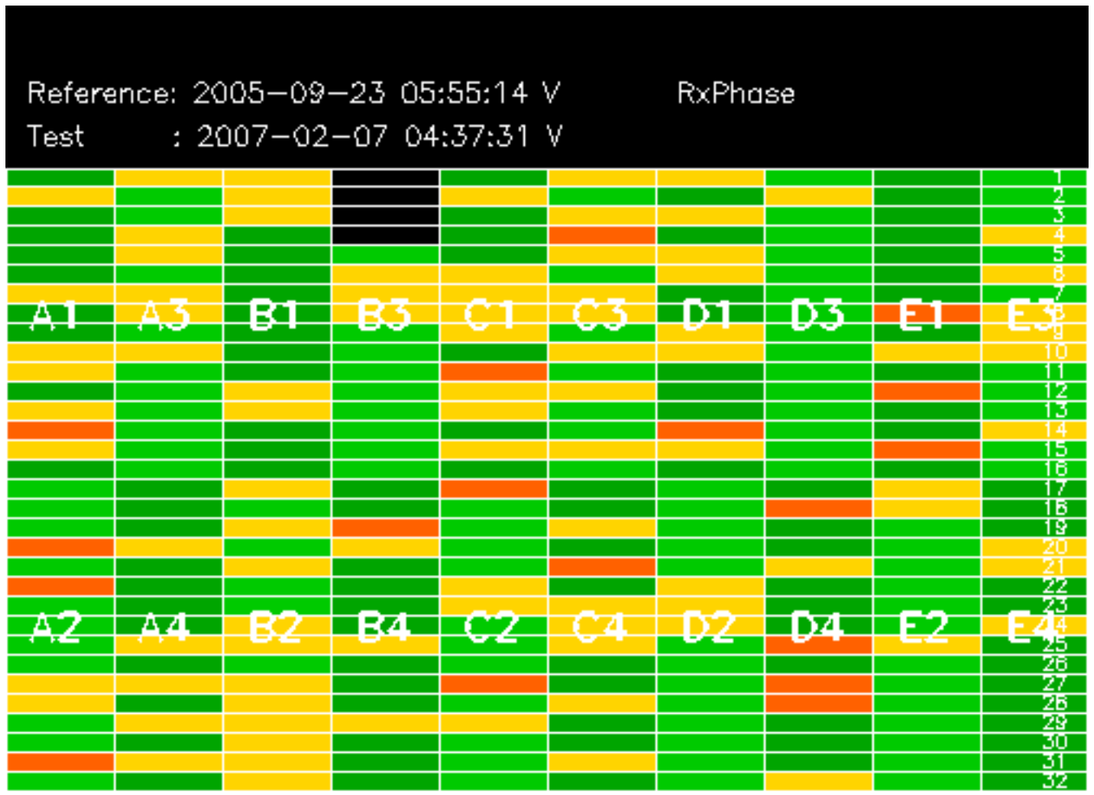
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-07 04:37:31 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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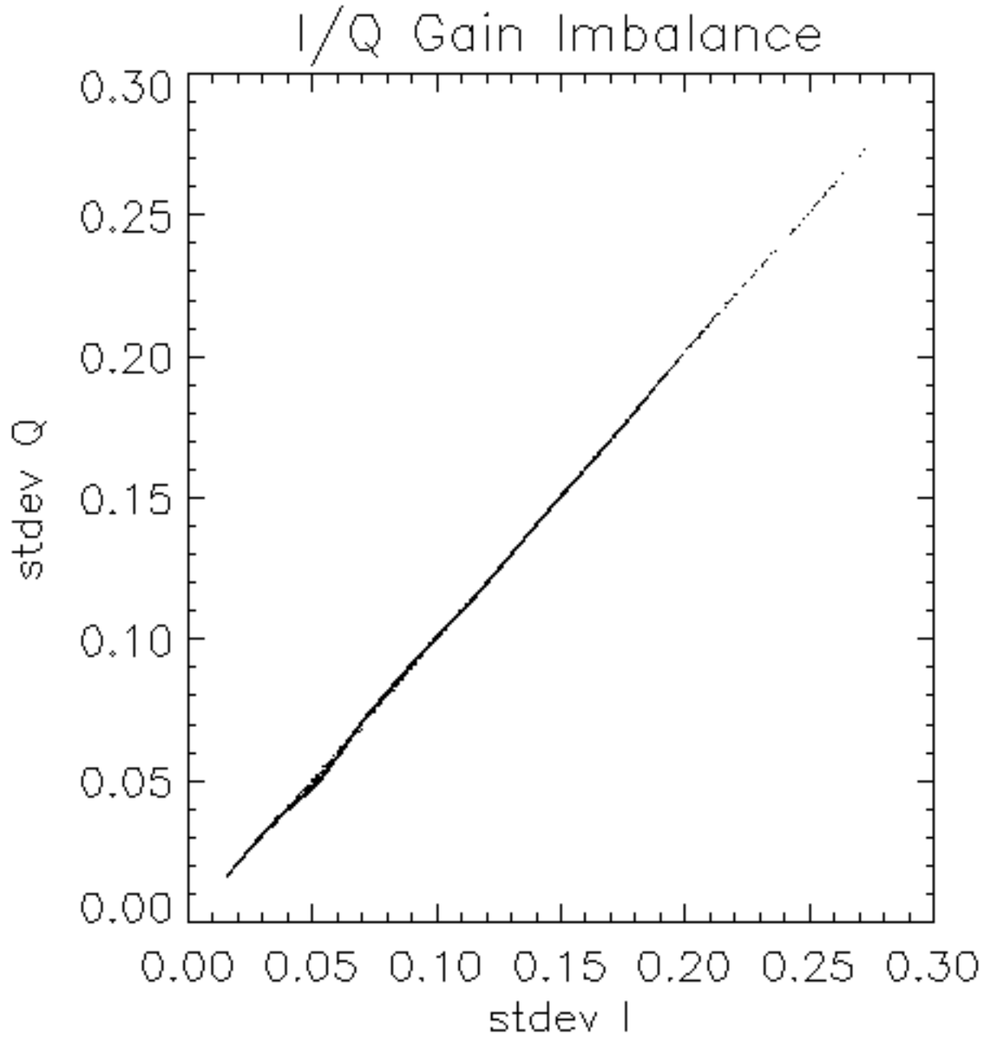
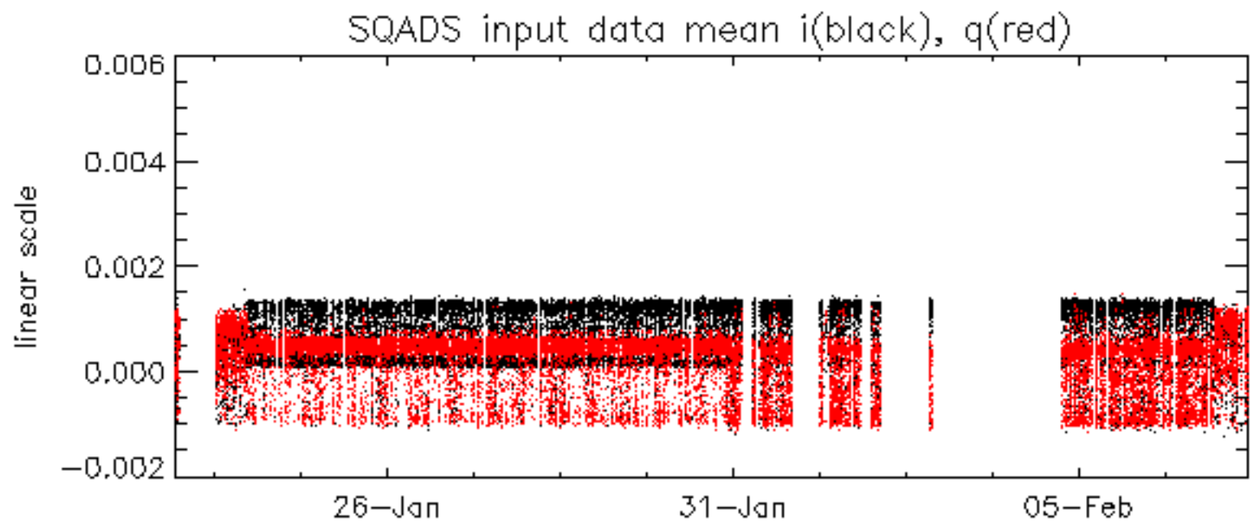
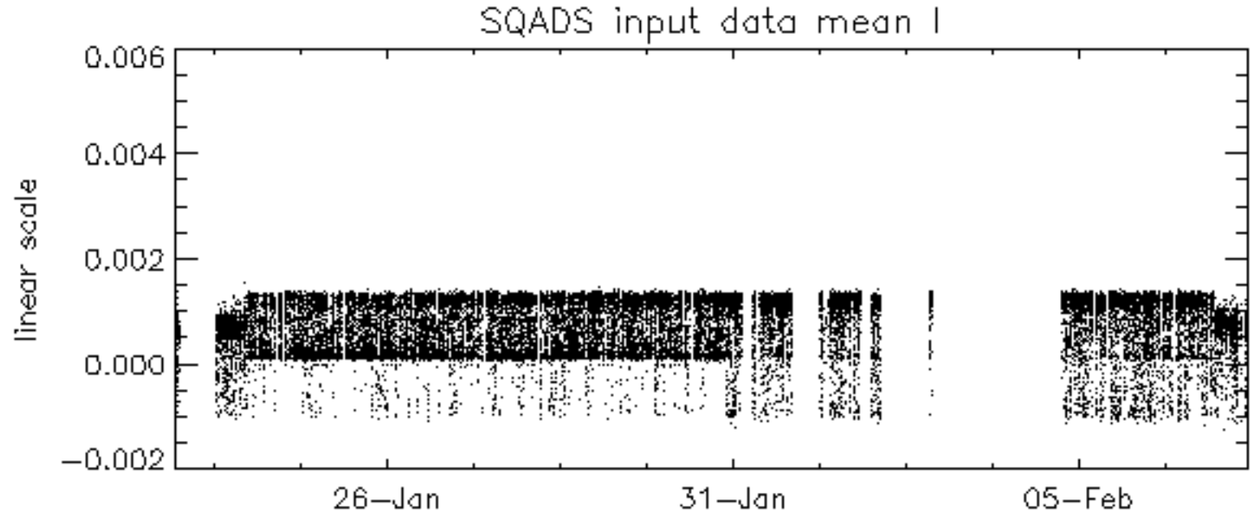
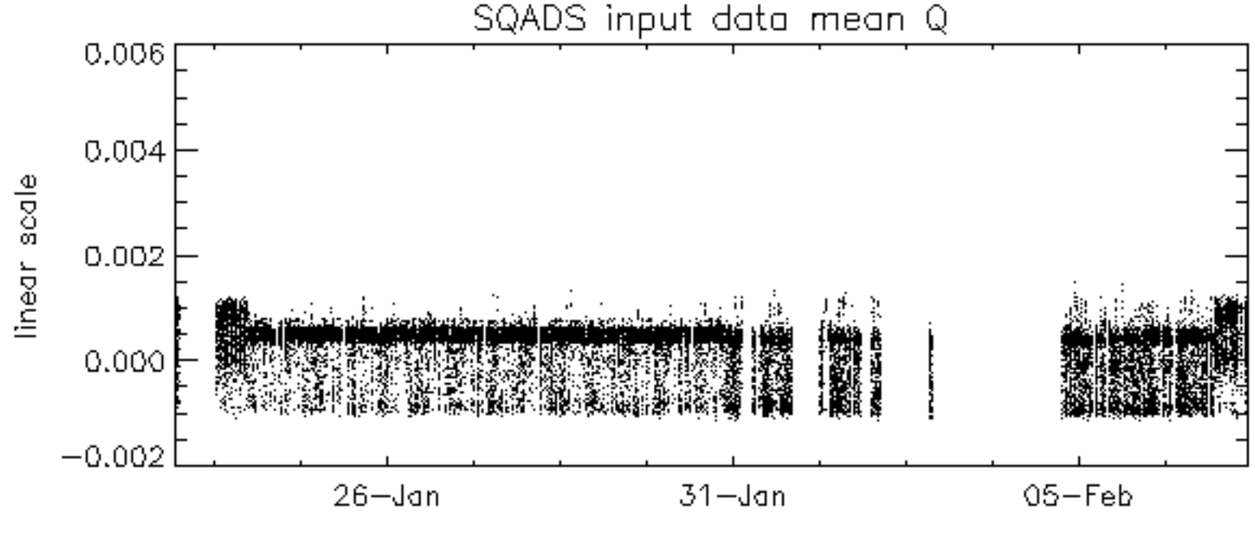
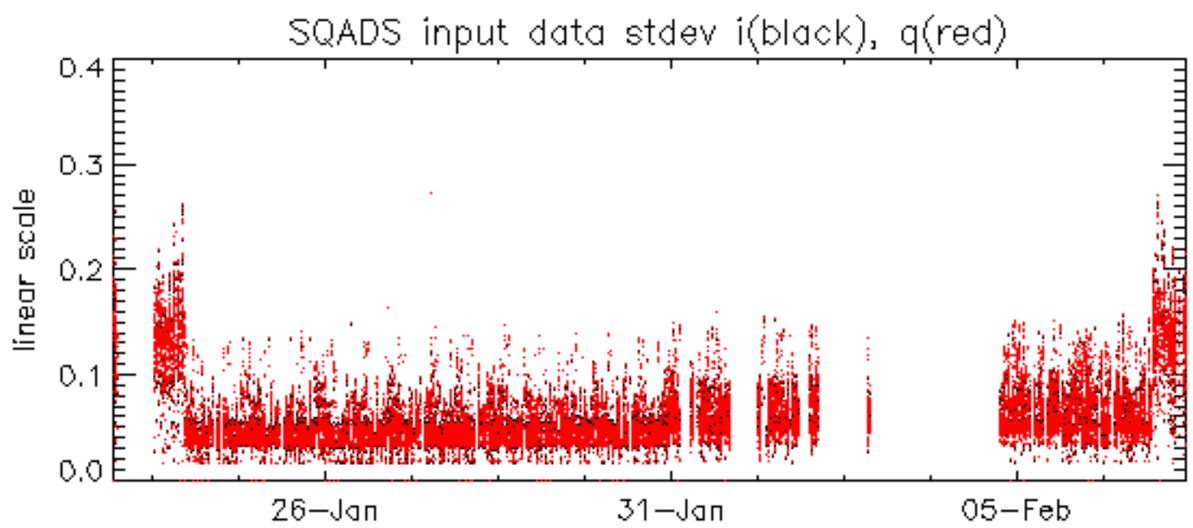
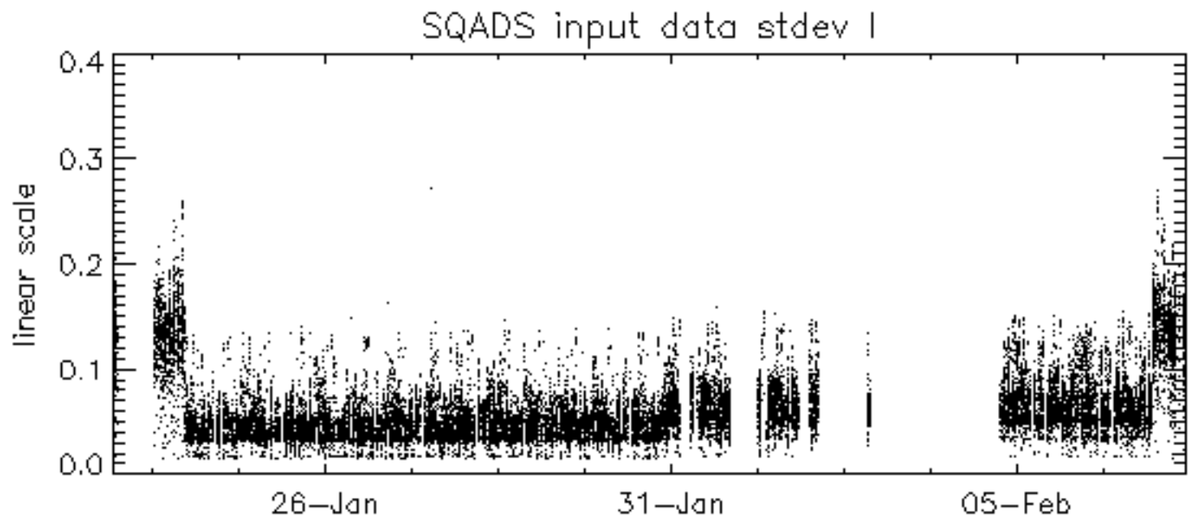

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

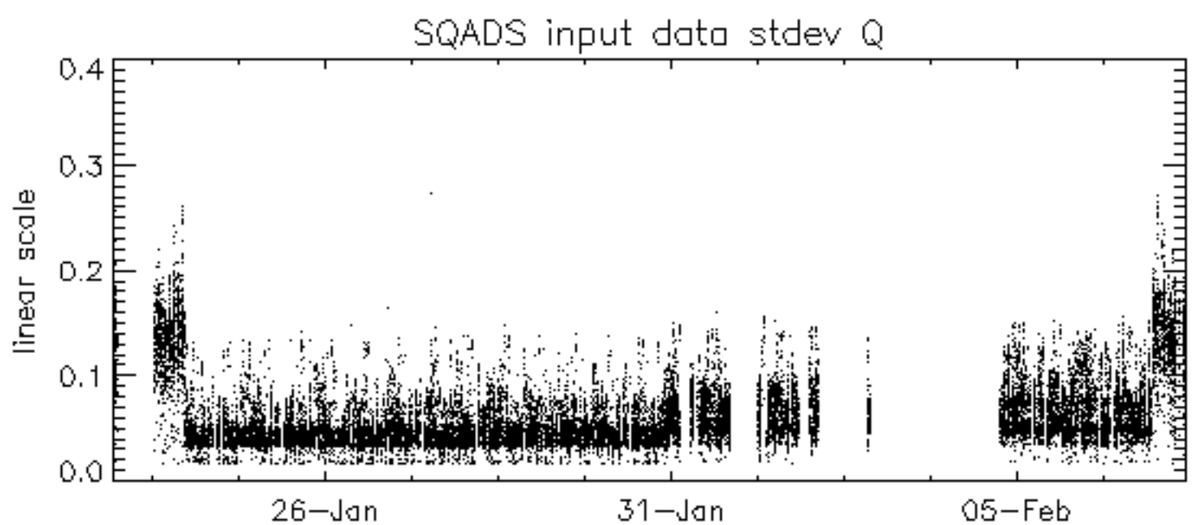

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb

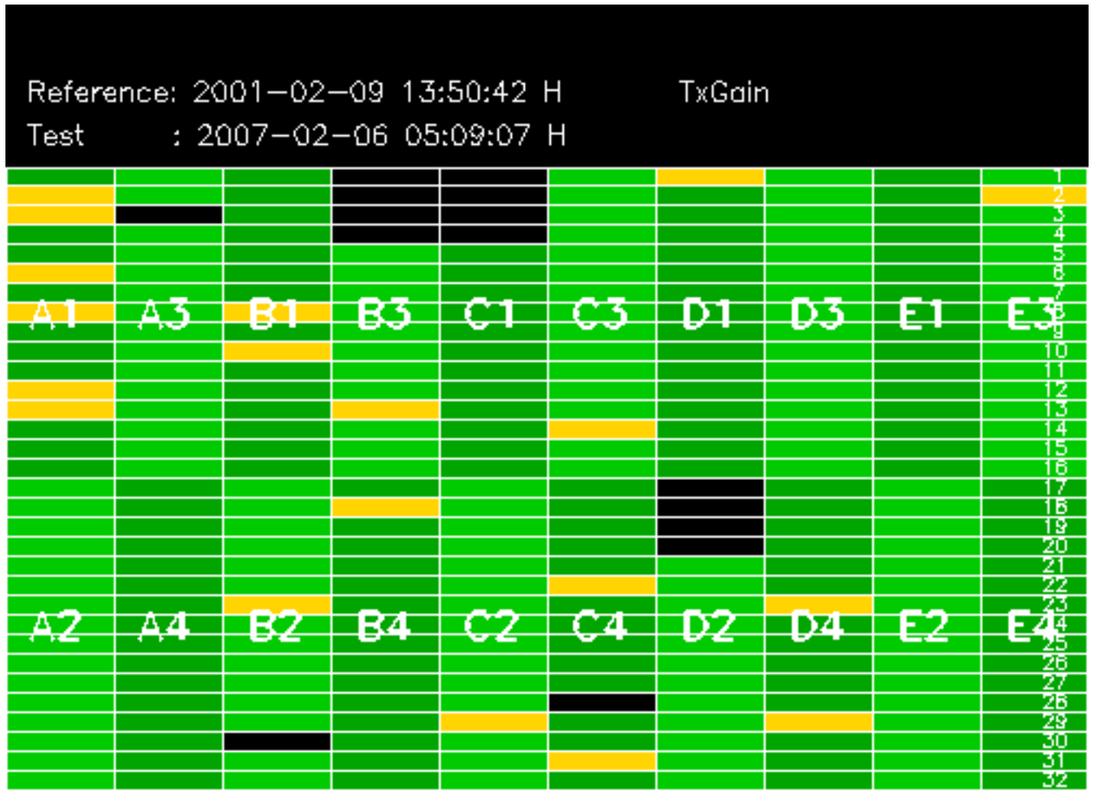

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−Feb


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
26−Jan
31−Jan
05−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


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
26–Jan
31–Jan
05–Feb


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
26–Jan
31–Jan
05–Feb


Reference: 2001-02-09 13:50:42 H
Test : 2007-02-06 05:09:07 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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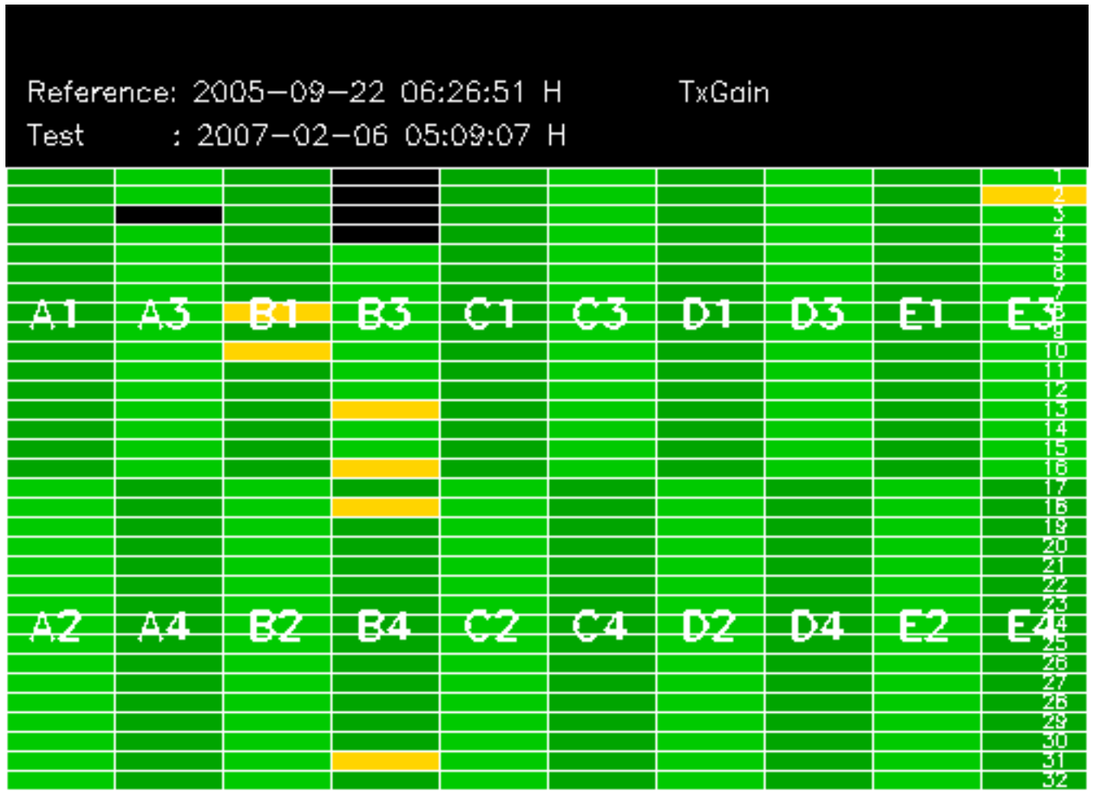
Reference: 2005-09-22 06:26:51 H
Test : 2007-02-06 05:09:07 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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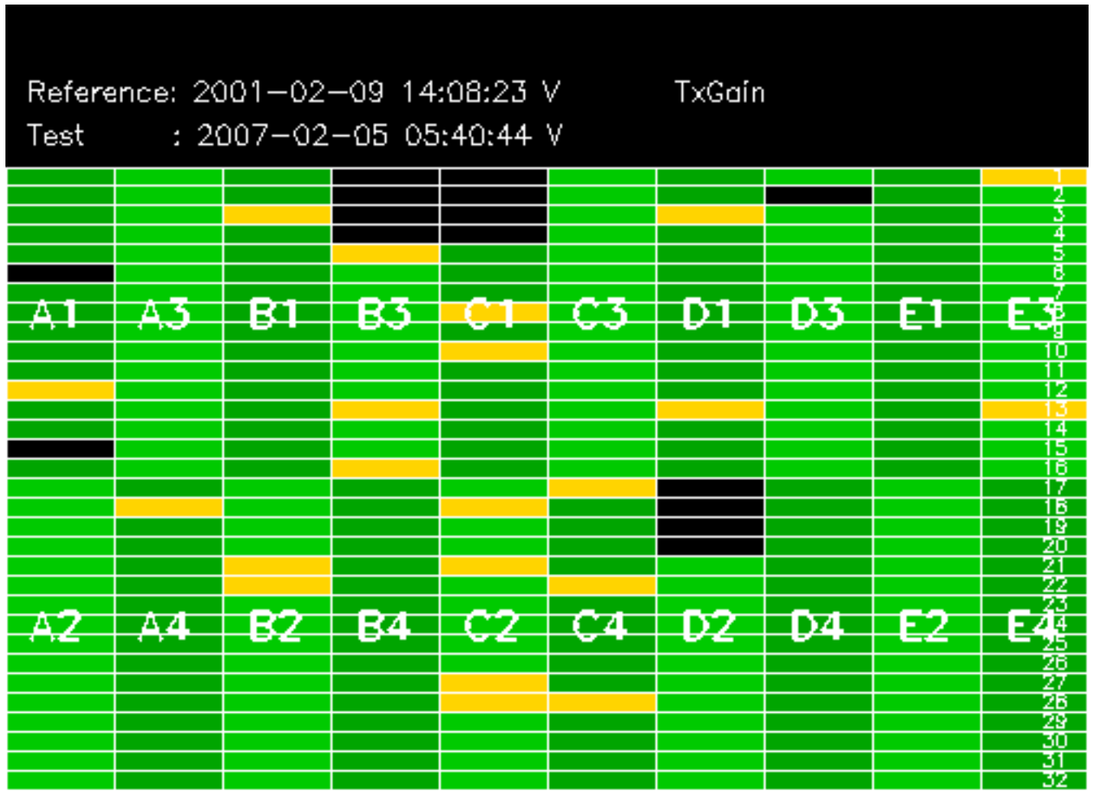
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-05 05:40:44 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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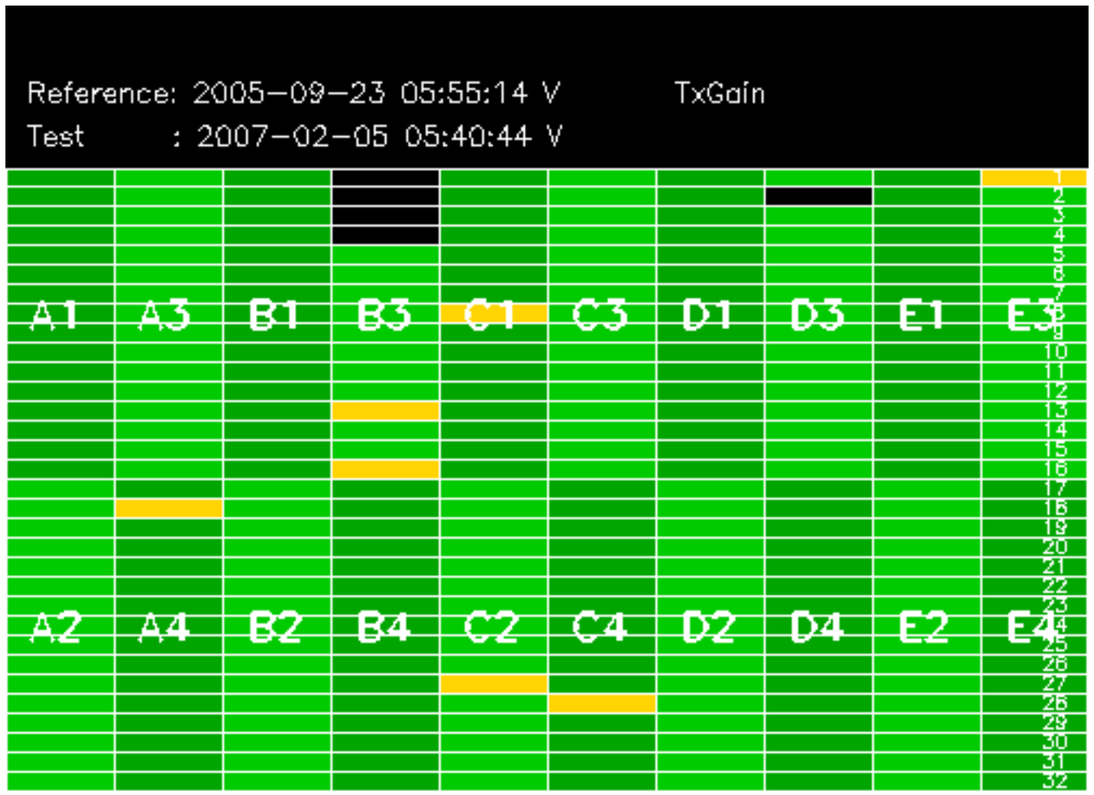
Reference: 2005-09-23 05:55:14 V
Test : 2007-02-05 05:40:44 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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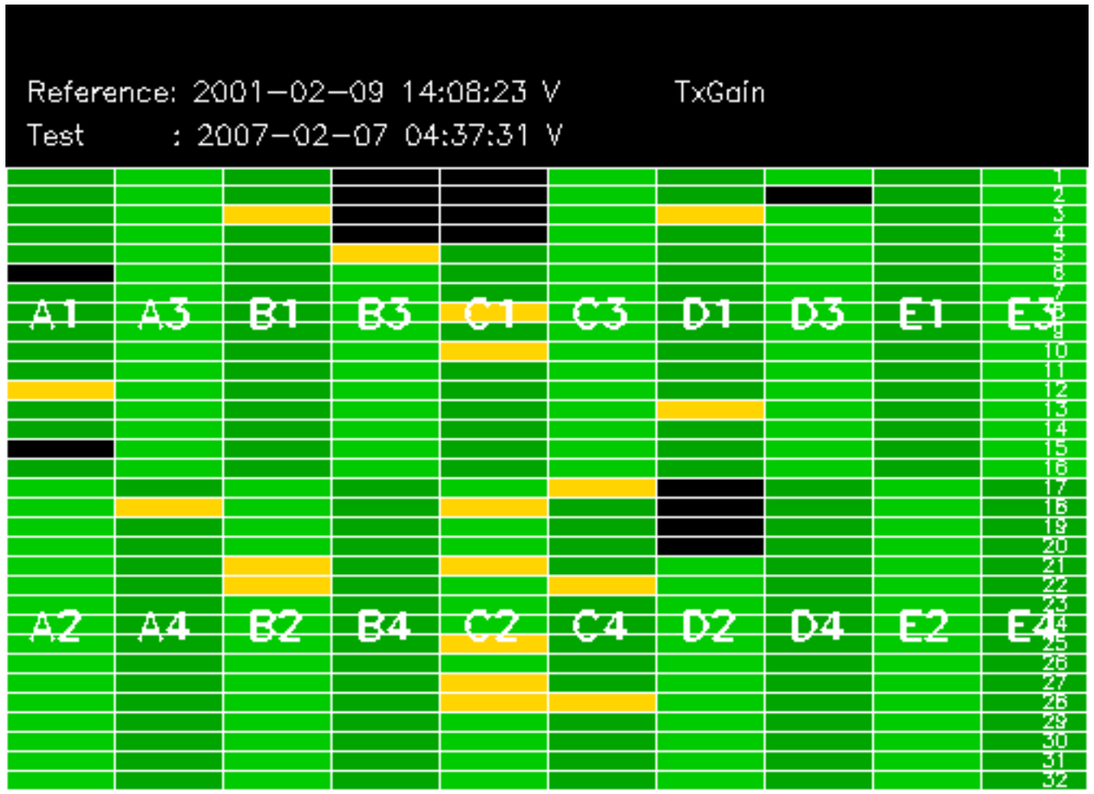
Reference: 2001-02-09 14:08:23 V
Test : 2007-02-07 04:37:31 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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9
10
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12
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16
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30
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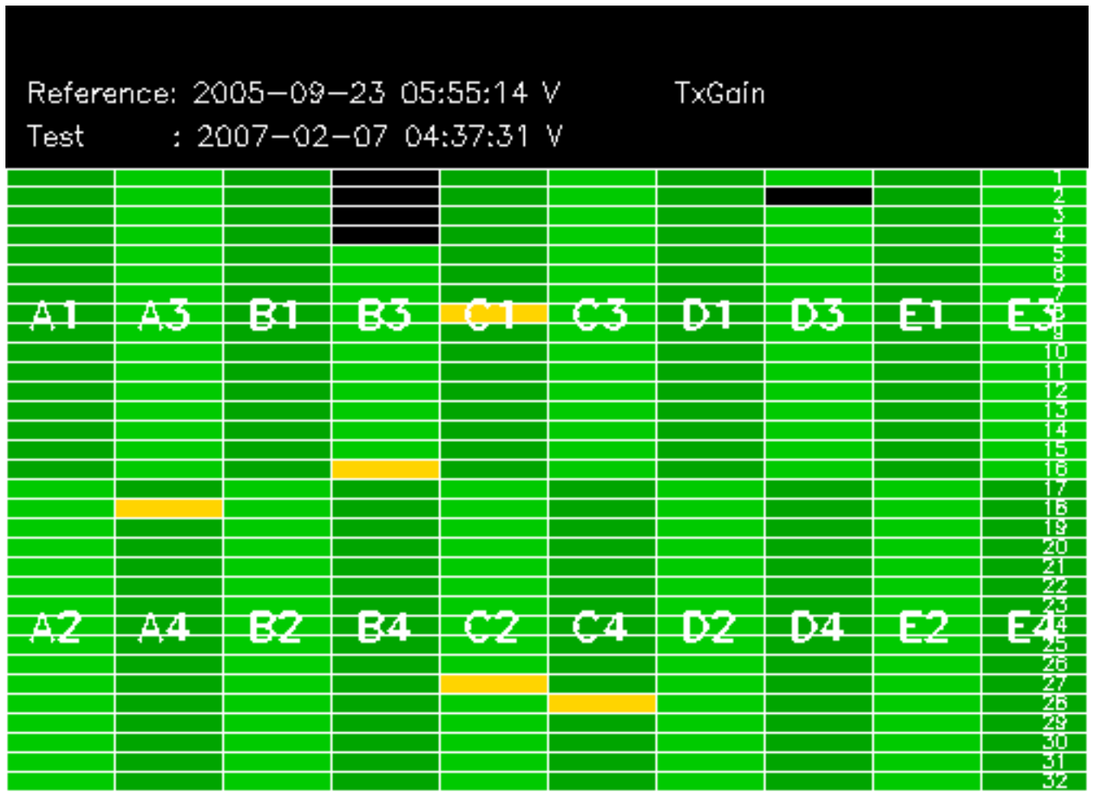
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-07 04:37:31 V
TxGain
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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8
9
10
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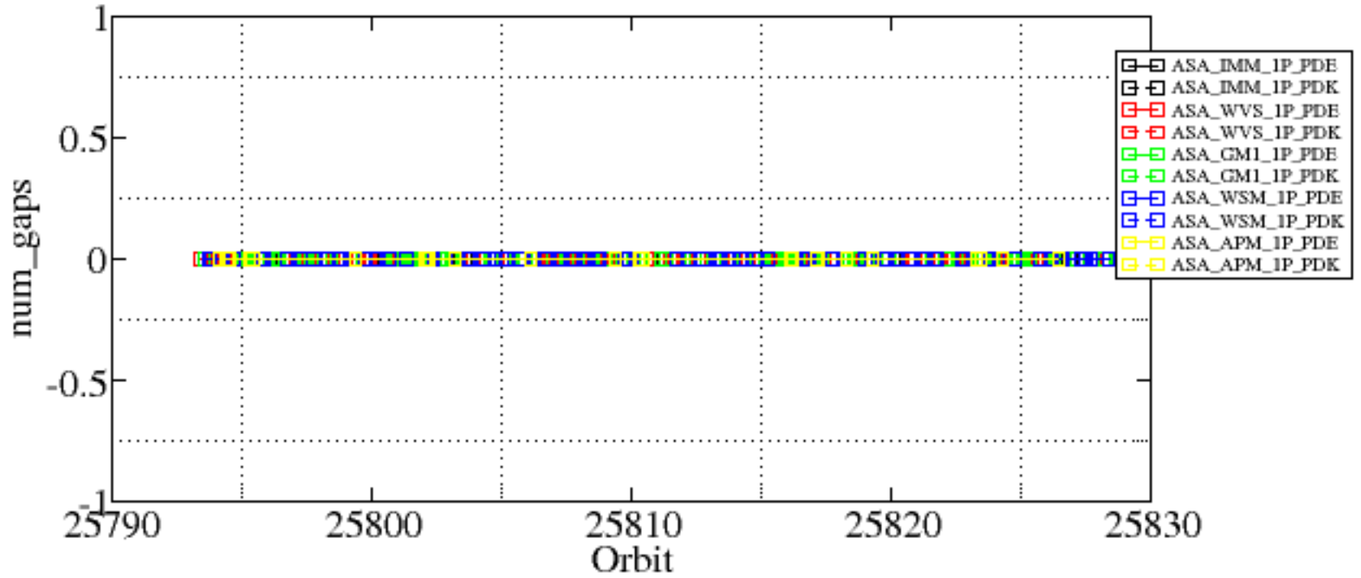
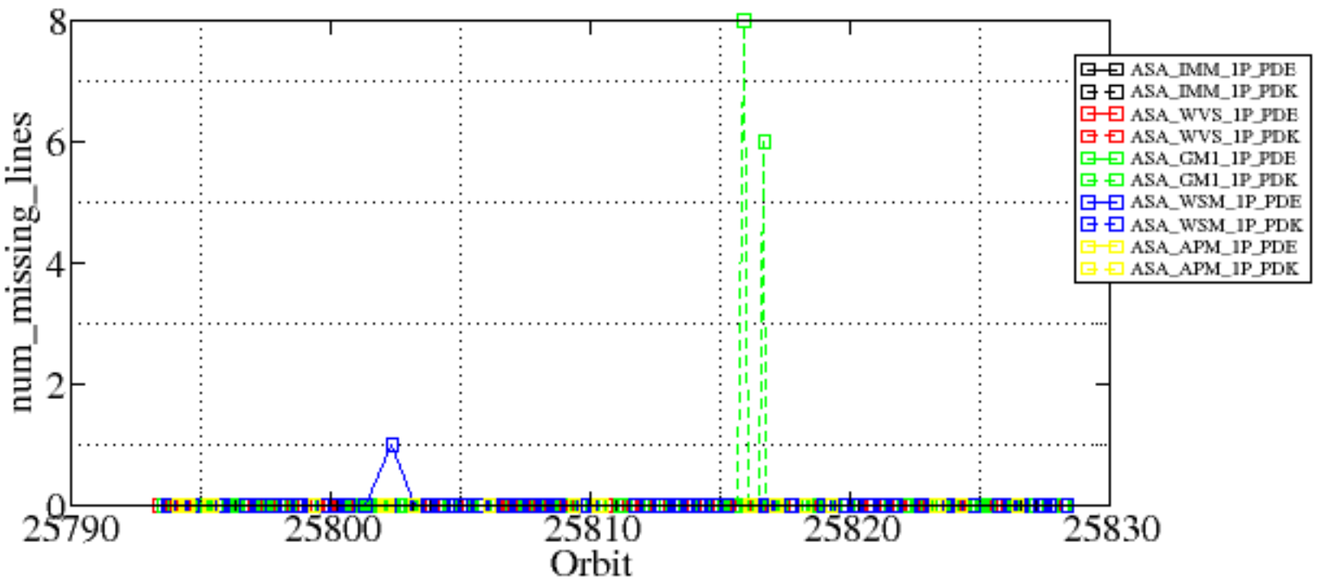
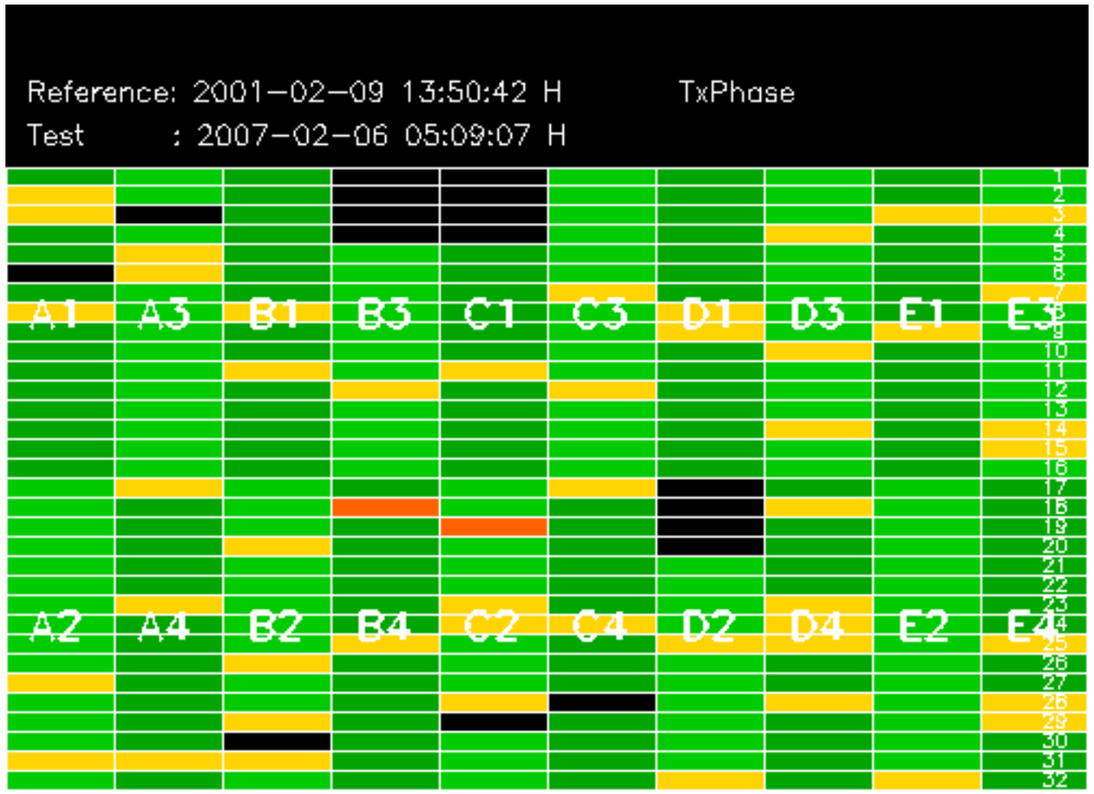
Summary of analysis for the last 3 days 2007020[567]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_GM1_1PNPDK20070206_135601_000003142055_00210_25815_6169.N1 </td> <td>0 </td> <td>8 </td></tr>
<tr> <td>ASA_GM1_1PNPDK20070206_151422_000001692055_00211_25816_6289.N1 </td> <td>0 </td> <td>6 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070205_151401_000000852055_00197_25802_5978.N1 </td> <td>0 </td> <td>1 </td></tr>
</table>


num_gaps
1
0.5
0
-0.5
-1
25790
25800
25810
25820
25830
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
8
6
4
2
0
25790
25800
25810
25820
25830
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 : 2007-02-06 05:09:07 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
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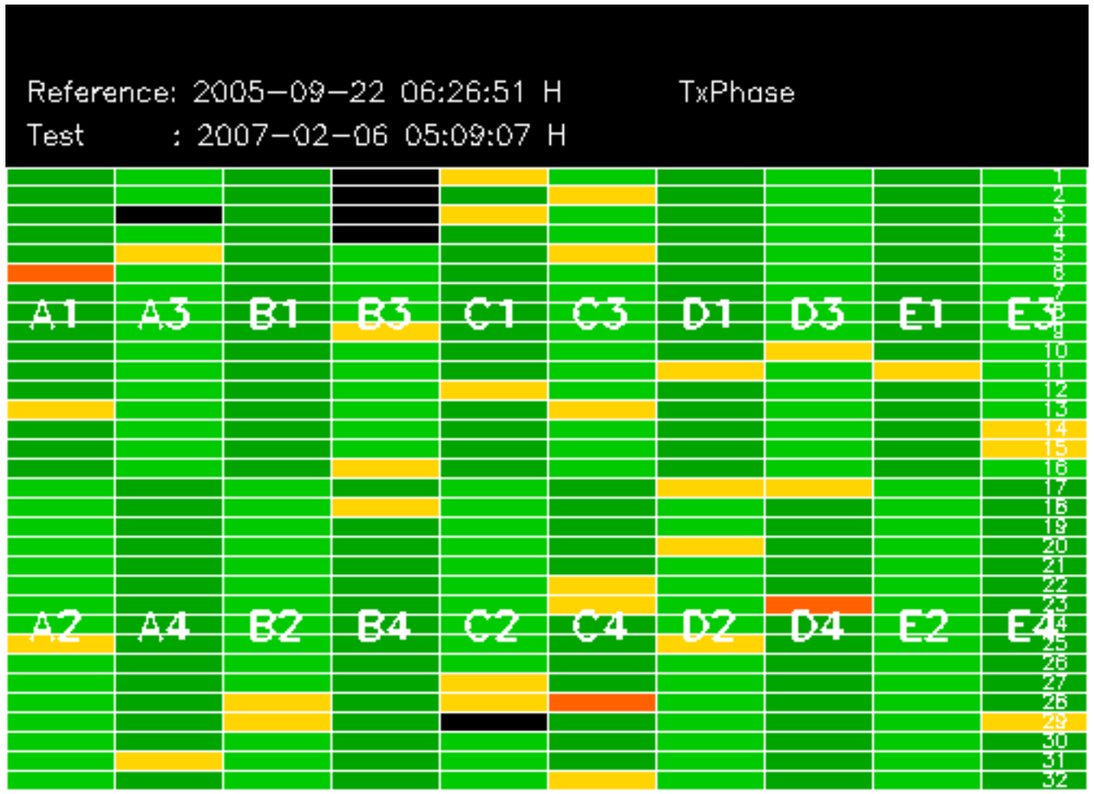
Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-02-06 05:09:07 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
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8
9
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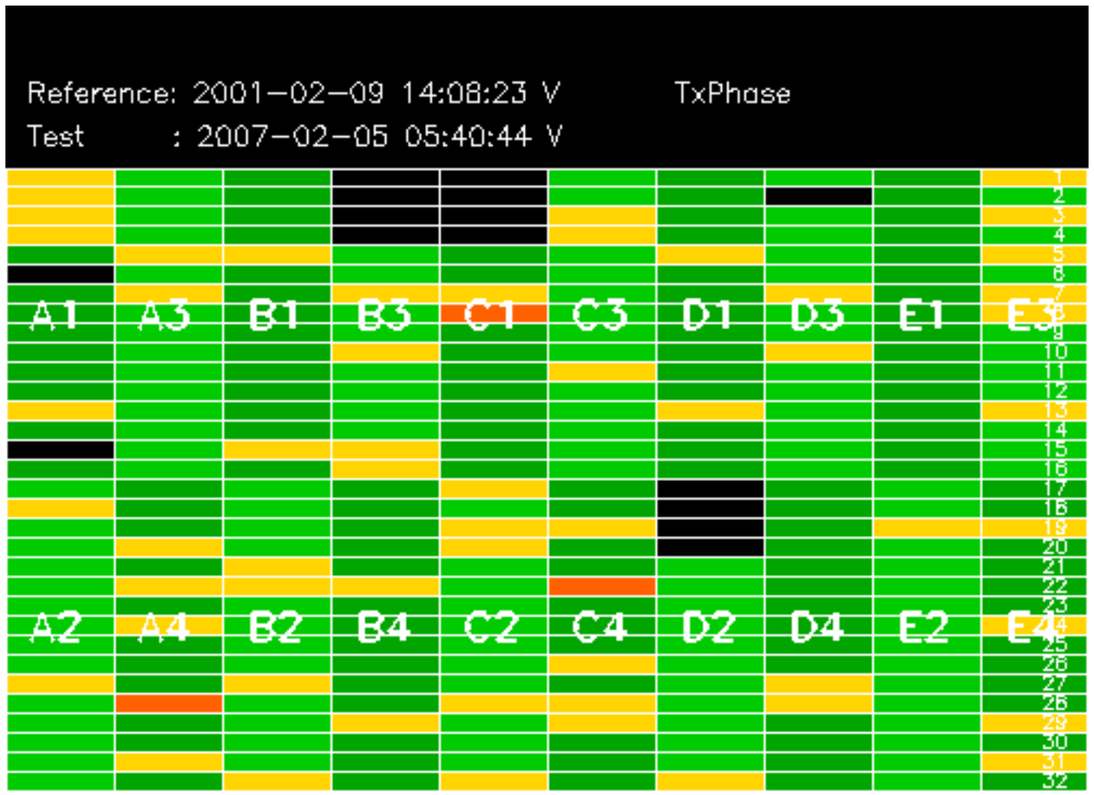
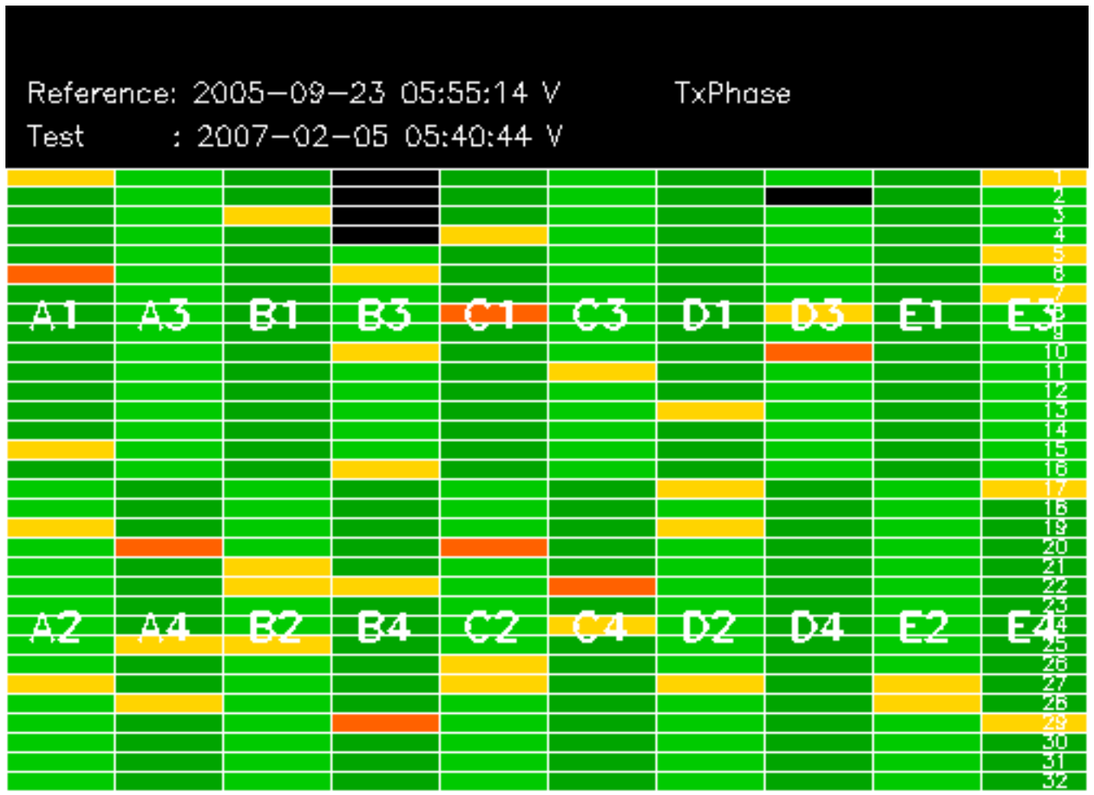

Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
TxPhase
Test : 2007-02-05 05:40:44 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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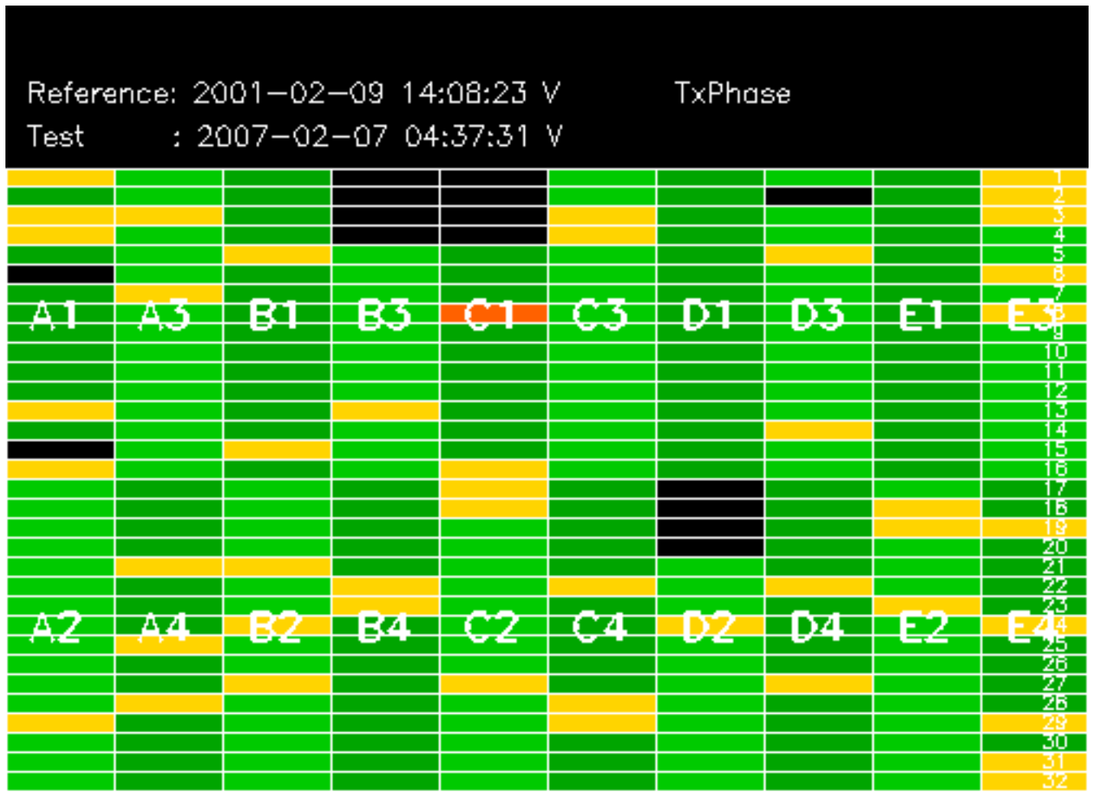
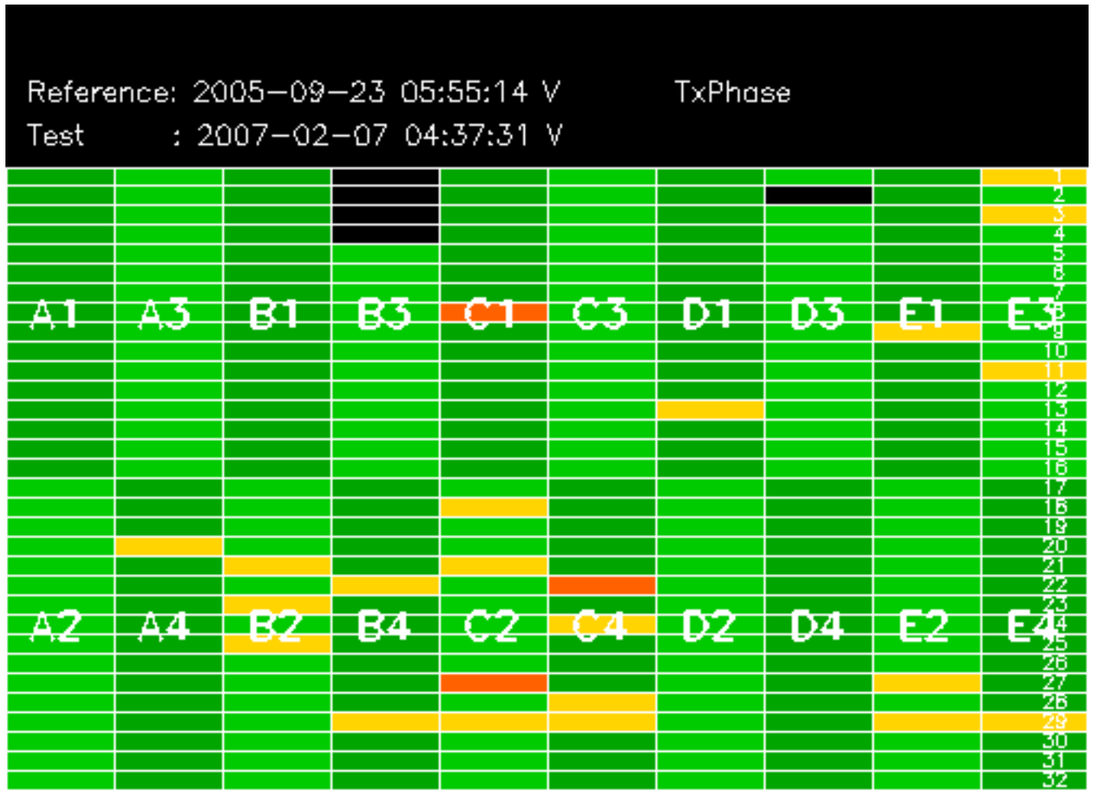

Reference: 2001-02-09 14:08:23 V
Test : 2007-02-07 04:37:31 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-02-07 04:37:31 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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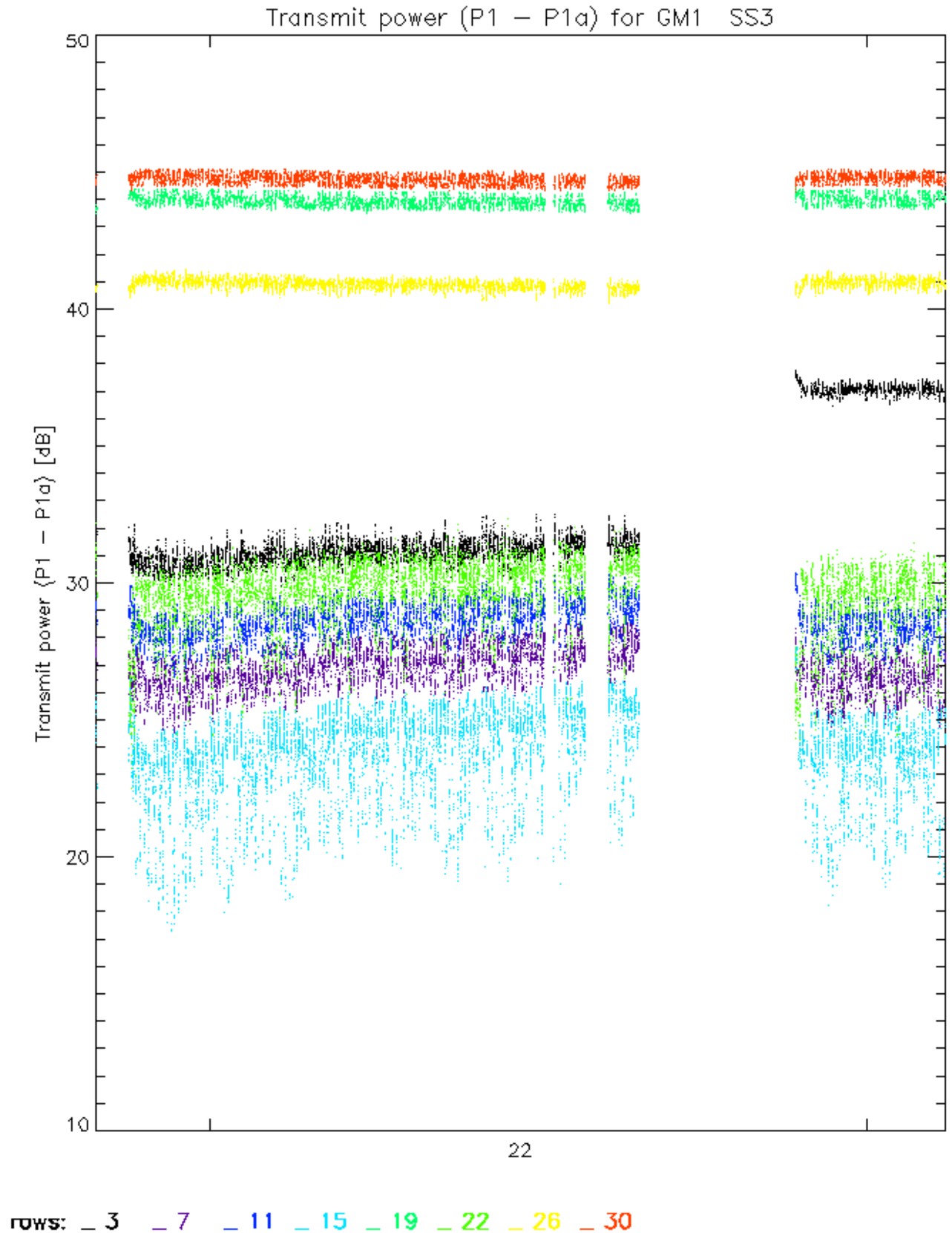
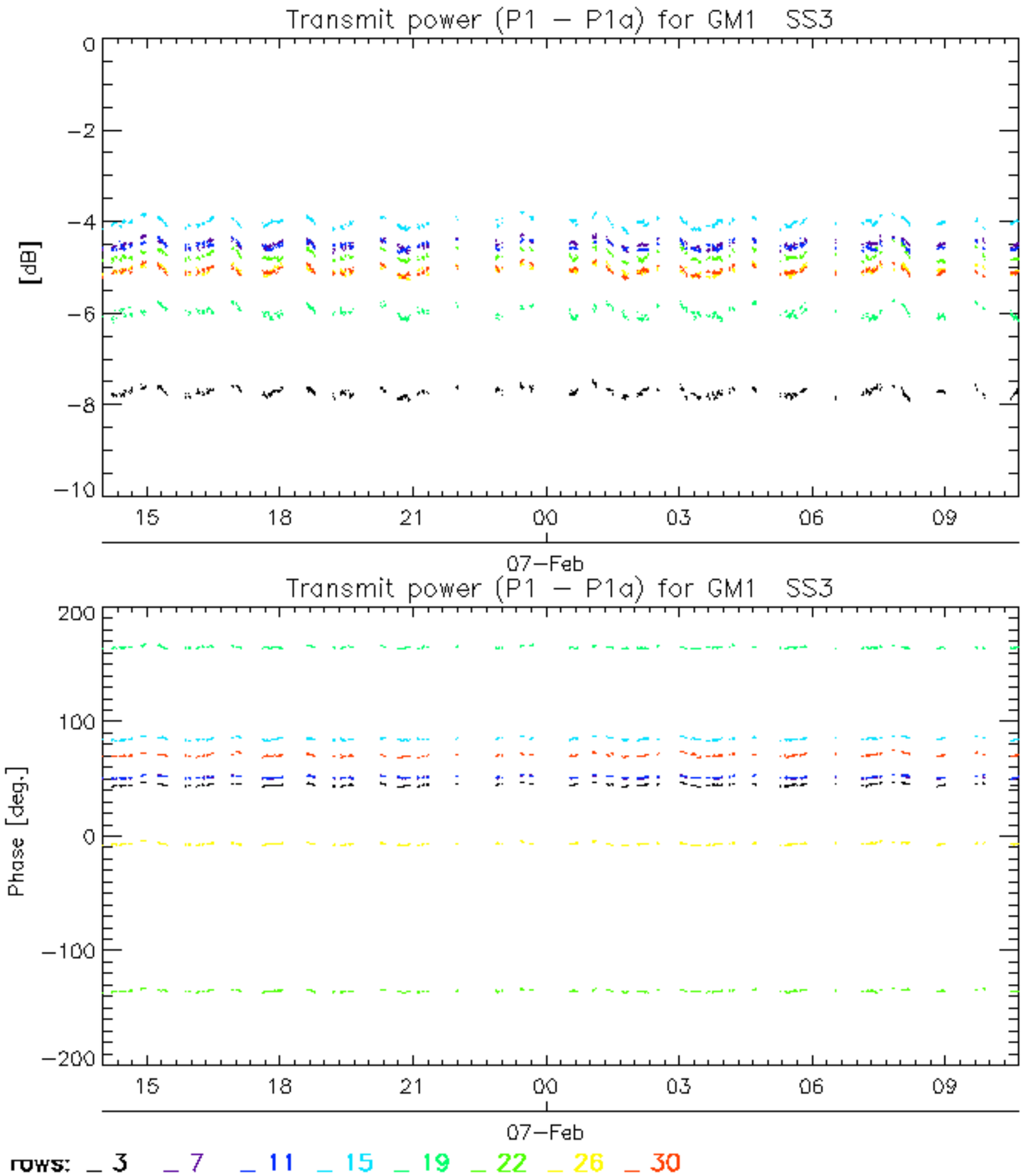
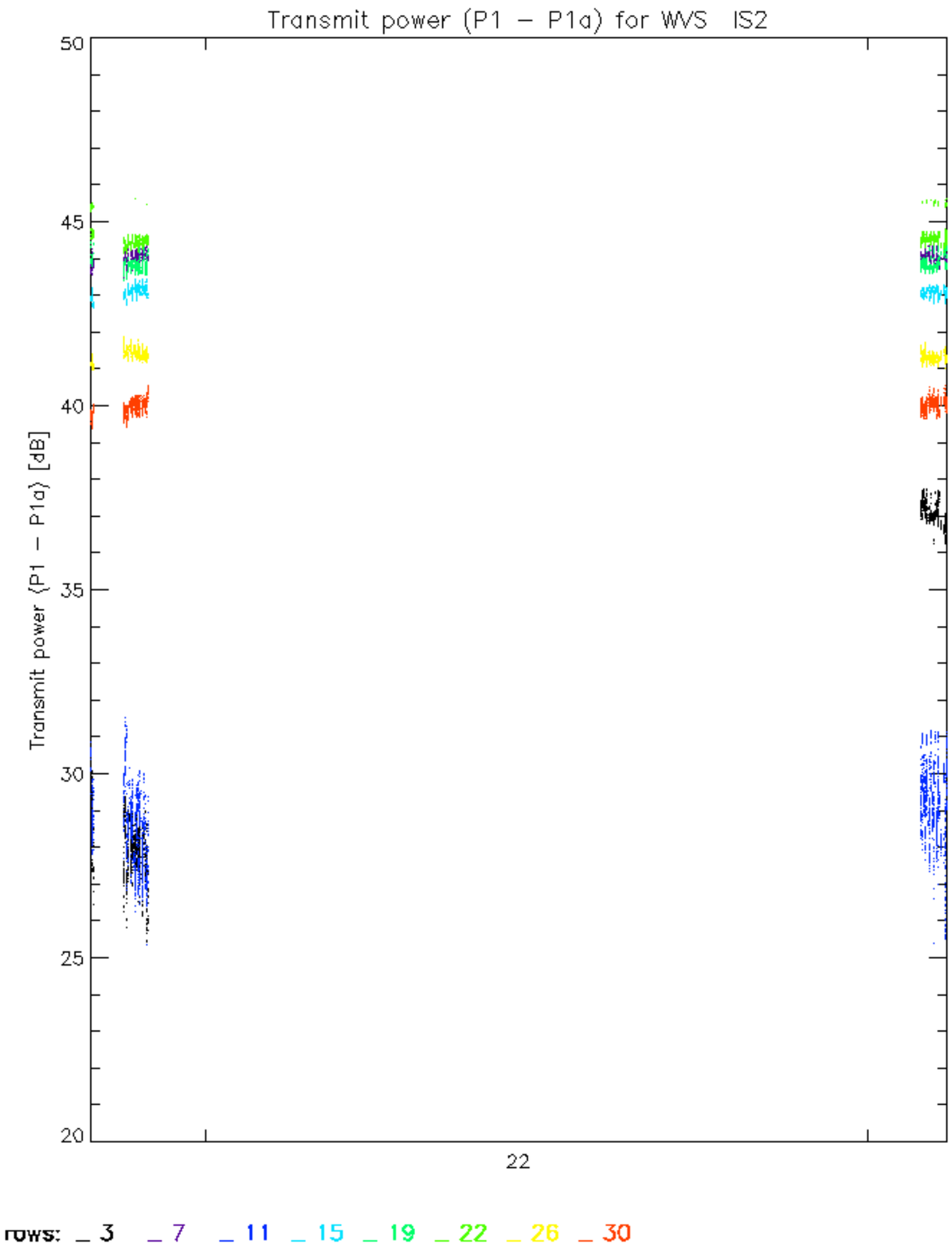
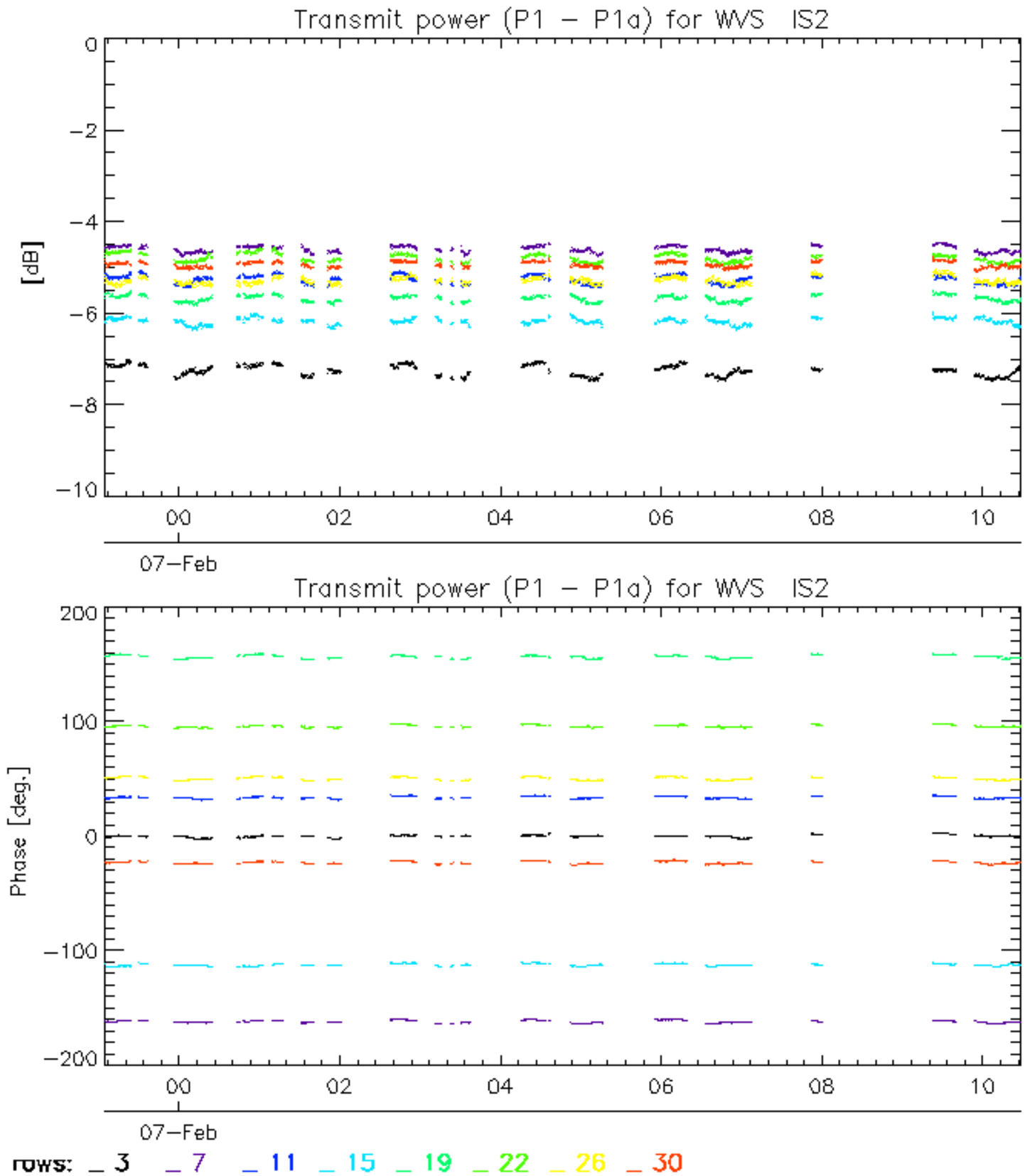
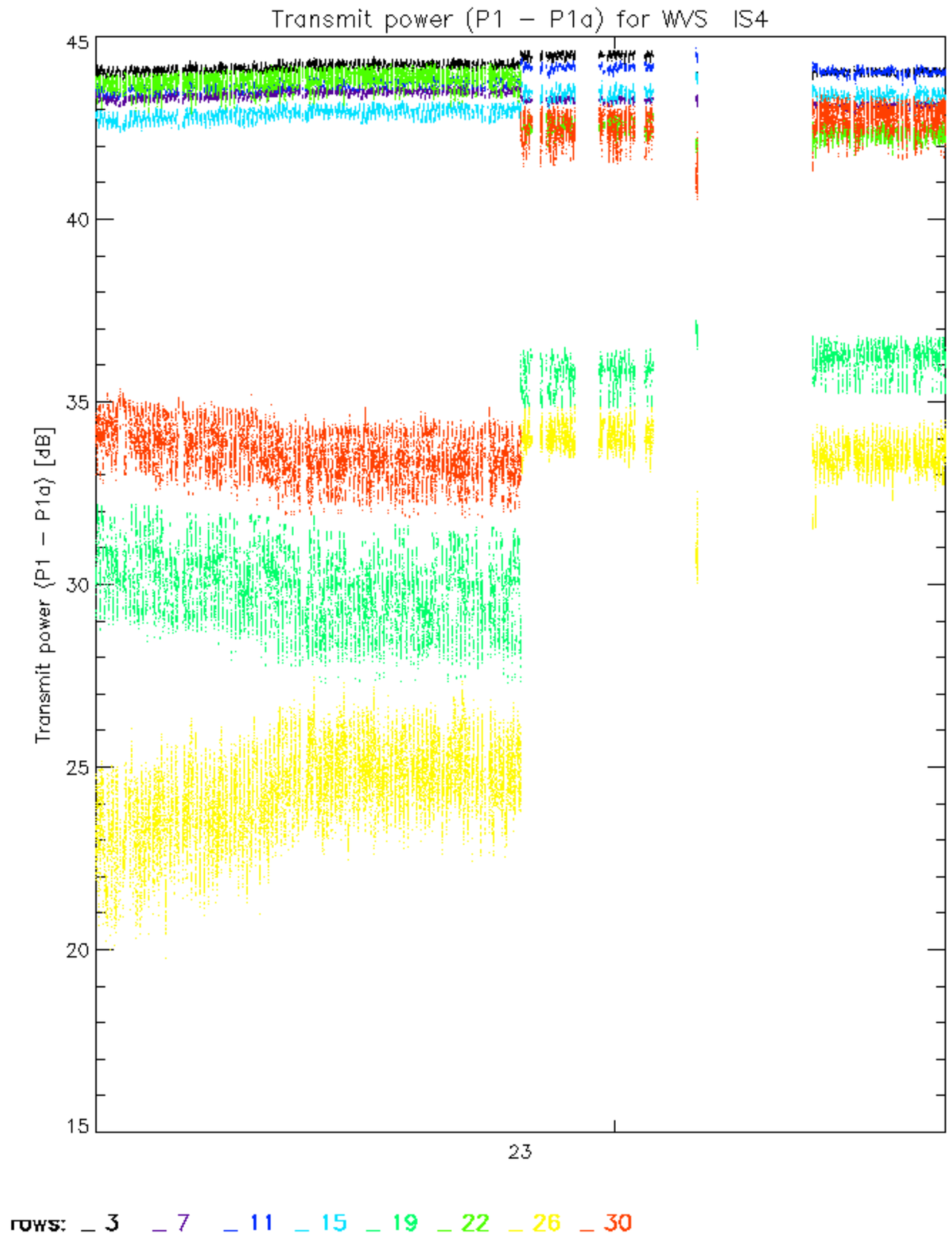
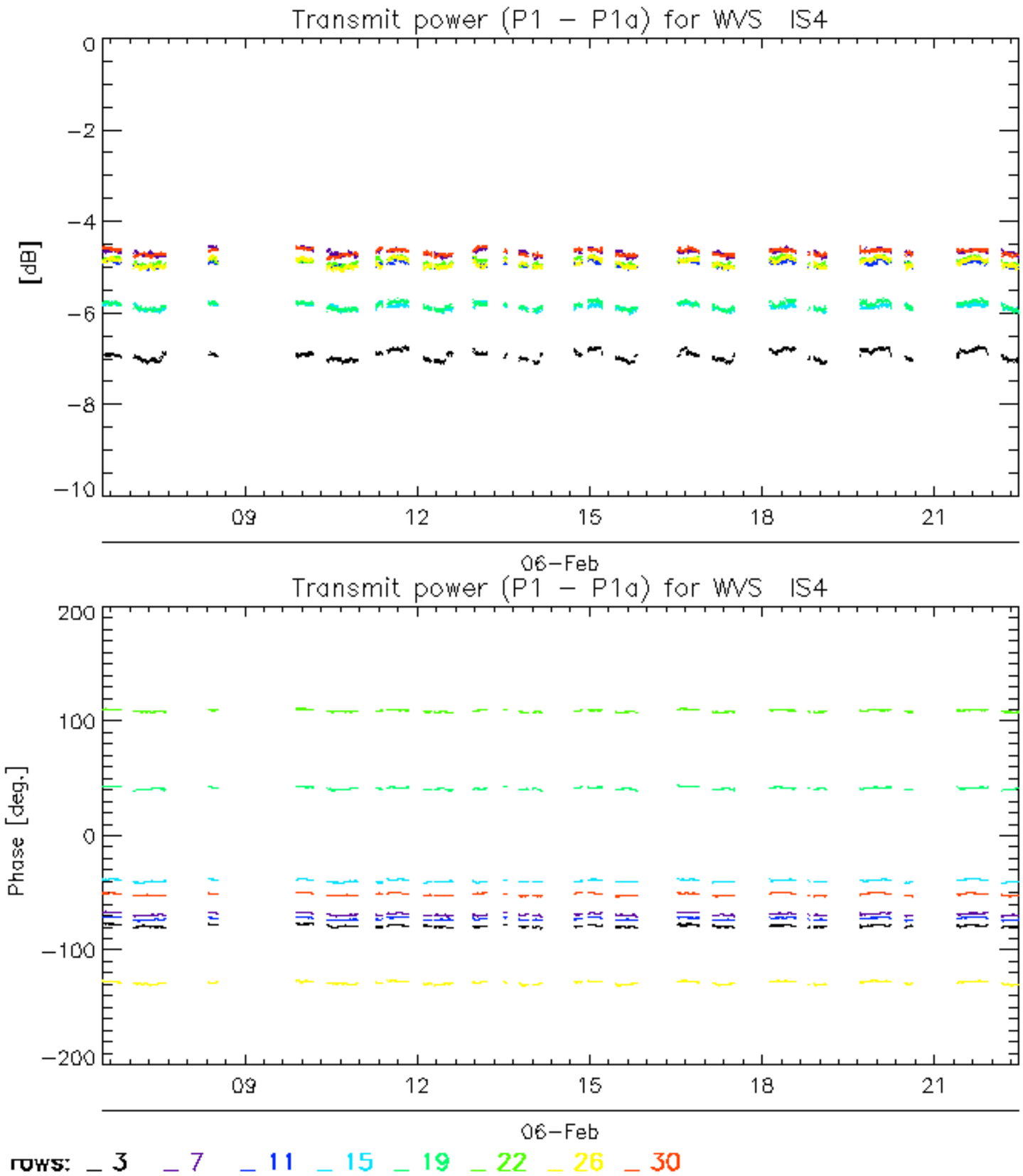

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
22
rows: 3 7 11 15 19 22 26 30


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


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
00
02
04
06
08
10
07–Feb
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
00
02
04
06
08
10
07–Feb
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
Transmit power (P1 – P1a) [dB]
45
40
35
30
25
20
15
23
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS4
0
−2
−4
−6
−8
−10
[dB]
09
12
15
18
21
06–Feb
Transmit power (P1 – P1a) for WVS IS4
200
100
0
−100
−200
Phase [deg.]
09
12
15
18
21
06–Feb
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.