PRELIMINARY REPORT OF 070519

last update on Sat May 19 23:12:30 GMT 2007

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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 2007-05-18 00:00:00 to 2007-05-19 23:12:30

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**

ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	47	90	10	2	38
ASA_XCA_AXVIEC20070517_153558_20070204_165113_20071231_000000	47	90	10	2	38
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	47	90	10	2	38
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	47	90	10	2	38

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	53	68	34	8	91
ASA_XCA_AXVIEC20070517_153558_20070204_165113_20071231_000000	53	68	34	8	91
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000	53	68	34	8	91
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	53	68	34	8	91

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	20070519 064401
H	20070518 071538

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	-15.211921	0.131594	-0.284601
7	P1a	-17.592510	0.092942	-0.116350
11	P1a	-17.713213	0.345873	-0.283621
15	P1a	-13.145503	0.151867	-0.259489
19	P1a	-15.432975	0.067590	-0.117690
22	P1a	-15.994679	0.351596	-0.070229
26	P1a	-14.949292	0.214461	0.004485
30	P1a	-17.959394	0.409947	-0.498431

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.782882	0.010078	-0.017921
7	P1	-3.163475	0.008947	-0.049626
11	P1	-4.195182	0.016755	0.055587
15	P1	-6.462191	0.019722	-0.098085
19	P1	-3.776907	0.012042	-0.002333
22	P1	-4.742847	0.010973	0.035371
26	P1	-3.908280	0.018332	-0.013744
30	P1	-5.962906	0.009326	0.007222

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.651953	0.093438	0.037189
7	P2	-21.511469	0.093852	0.101769
11	P2	-15.286651	0.121923	0.106759
15	P2	-7.132914	0.090818	-0.005001
19	P2	-9.120779	0.083103	-0.019446
22	P2	-18.085945	0.078309	-0.003146
26	P2	-16.649271	0.084973	-0.065337
30	P2	-19.252186	0.084256	0.059512

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.245090	0.004734	0.002050
7	P3	-8.245090	0.004734	0.002050
11	P3	-8.245090	0.004734	0.002050
15	P3	-8.245090	0.004734	0.002050
19	P3	-8.245090	0.004734	0.002050
22	P3	-8.245090	0.004734	0.002050
26	P3	-8.245090	0.004734	0.002050
30	P3	-8.245090	0.004734	0.002050

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	-11.455195	0.185018	-0.820440
7	P1a	-10.027550	0.162640	0.137224
11	P1a	-10.684525	0.084623	0.005023
15	P1a	-10.788713	0.144375	0.131230
19	P1a	-15.851533	0.093444	-0.131615
22	P1a	-21.494627	1.393166	-0.080928
26	P1a	-15.560154	0.329603	-0.065417
30	P1a	-18.267050	0.430354	0.025875

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-8.009321	0.347820	1.618670
7	P1	-2.374168	0.086395	0.102973
11	P1	-2.872089	0.021989	0.033756
15	P1	-3.797888	0.036015	0.052067
19	P1	-3.603558	0.016150	-0.042035
22	P1	-4.948731	0.023097	0.033257
26	P1	-6.055812	0.023618	-0.048303
30	P1	-5.354315	0.032197	-0.042111

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.209881	0.075804	-0.075124
7	P2	-22.061970	0.168251	-0.085316
11	P2	-10.657243	0.046600	-0.060134
15	P2	-4.956761	0.044841	-0.072689
19	P2	-6.881027	0.042716	-0.020010
22	P2	-8.106141	0.083455	0.018807
26	P2	-24.348289	0.135832	-0.091624
30	P2	-21.701807	0.109721	-0.002166

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.092467	0.005141	-0.001584
7	P3	-8.092421	0.005143	-0.001248
11	P3	-8.092422	0.005133	-0.001675
15	P3	-8.092388	0.005141	-0.001753
19	P3	-8.092405	0.005149	-0.001737
22	P3	-8.092335	0.005142	-0.001738
26	P3	-8.092308	0.005148	-0.001667
30	P3	-8.092294	0.005140	-0.001636

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	0.000550842
	stdev	1.91342e-07
MEAN Q	mean	0.000509704
	stdev	2.37582e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.136049
	stdev	0.00117412
STDEV Q	mean	0.136435
	stdev	0.00119125

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007051[789]
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_1PNPDE20070518_015652_000000362058_00146_27254_0357.N1	1	0
ASA_IMM_1PNPDE20070518_042631_000000762058_00147_27255_0576.N1	1	0
ASA_WSM_1PNPDE20070517_035646_000001282058_00133_27241_9322.N1	0	1
ASA_WSM_1PNPDE20070517_164501_000000852058_00141_27249_9765.N1	0	57
ASA_WSM_1PNPDE20070517_182820_000000852058_00142_27250_9815.N1	0	67
ASA_WSM_1PNPDE20070518_015027_000000852058_00146_27254_0388.N1	0	2
ASA_WSM_1PNPDE20070518_032509_000000672058_00147_27255_0392.N1	0	1
ASA_WSM_1PNPDE20070518_032509_000001472058_00147_27255_0992.N1	0	1
ASA_WSM_1PNPDE20070518_201722_000000672058_00157_27265_1371.N1	0	52

ASA_WSM_1PNPDE20070518_234323_000002442058_00159_27267_1774.N1	0	35
ASA_WSM_1PNPDE20070519_012058_000000852058_00160_27268_1922.N1	0	40
ASA_WSM_1PNPDE20070519_172249_000001772058_00170_27278_2607.N1	0	2
ASA_WSM_1PNPDE20070519_190232_000000972058_00171_27279_2642.N1	0	41

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)
Acsending
Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX

7.4 - Unbiased Doppler Error for GM1

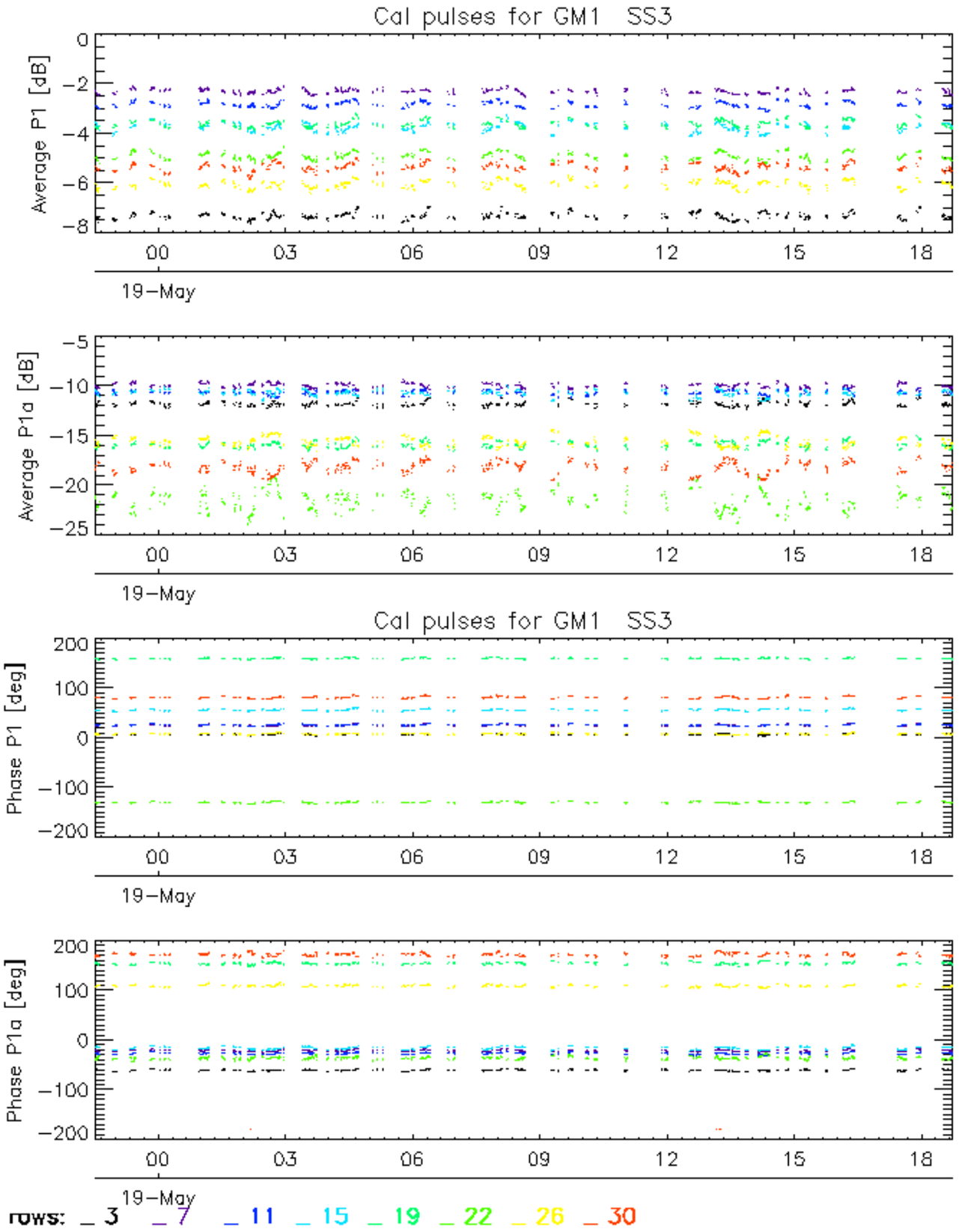
Evolution of unbiased Doppler error (Real - Expected)
☒
Acsending
☒
Descending

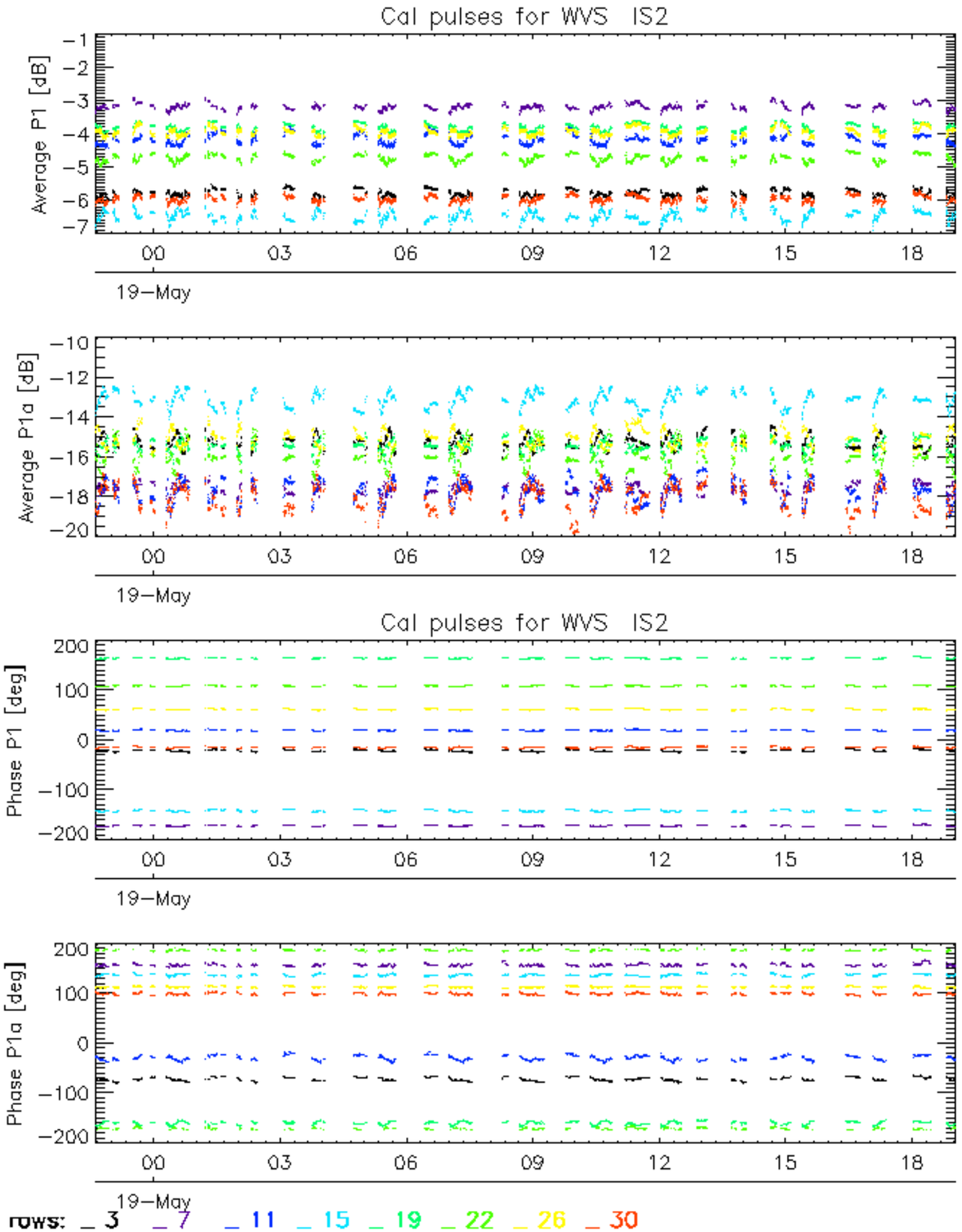
7.5 - Absolute Doppler for GM1

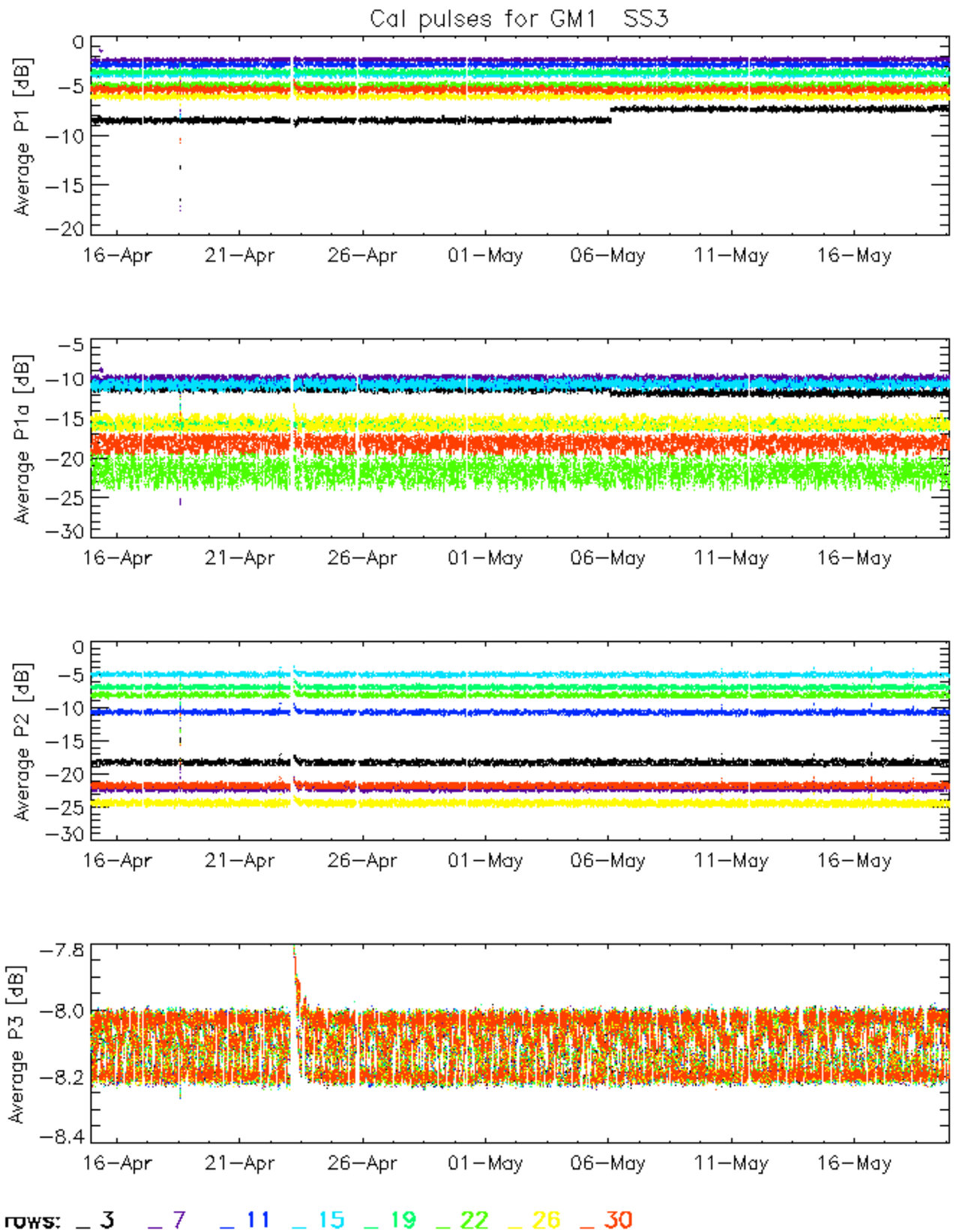
Evolution of Absolute Doppler
☒
Acsending
☒
Descending

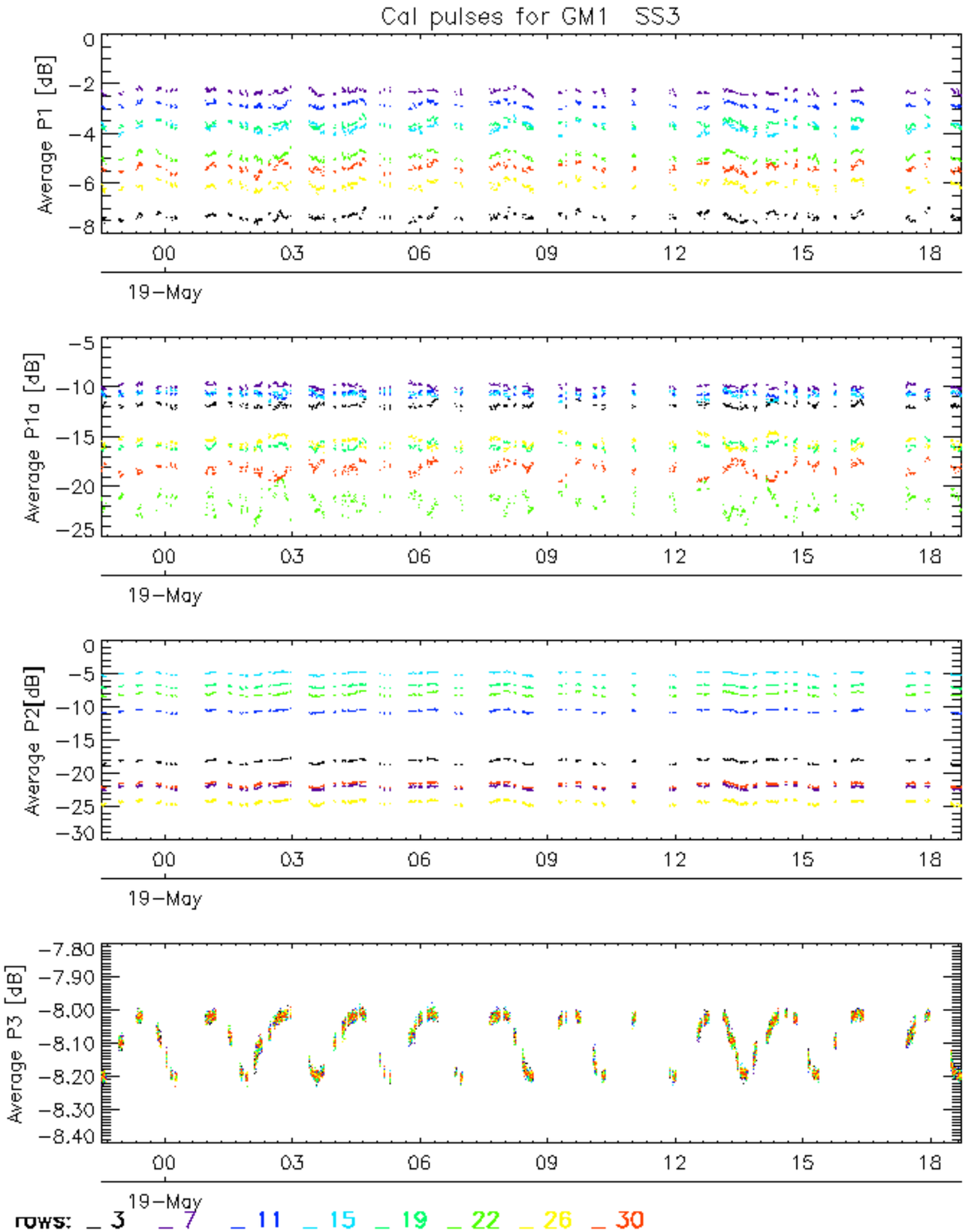
7.6 - Doppler evolution versus ANX for GM1

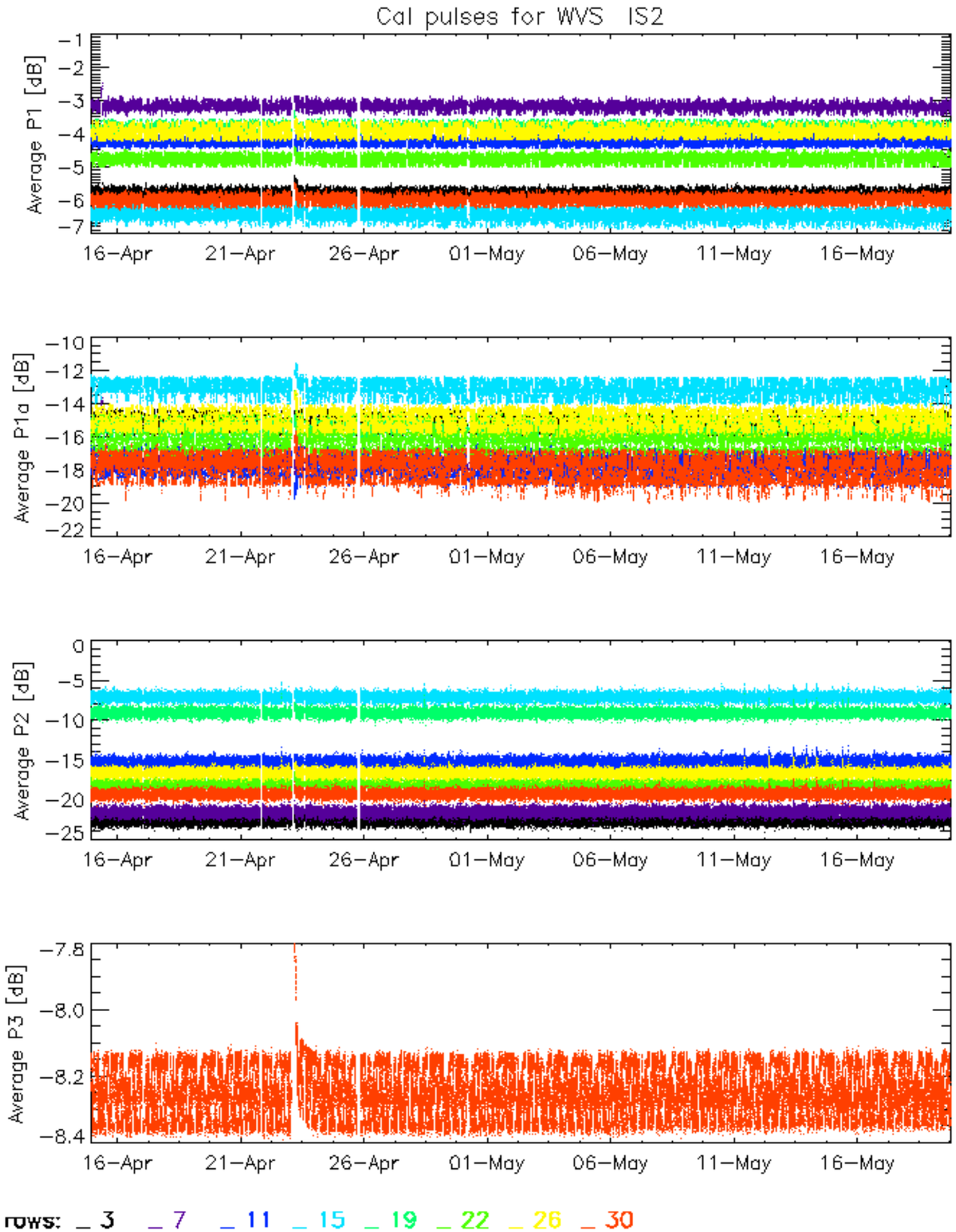
Evolution Doppler error versus ANX
☒

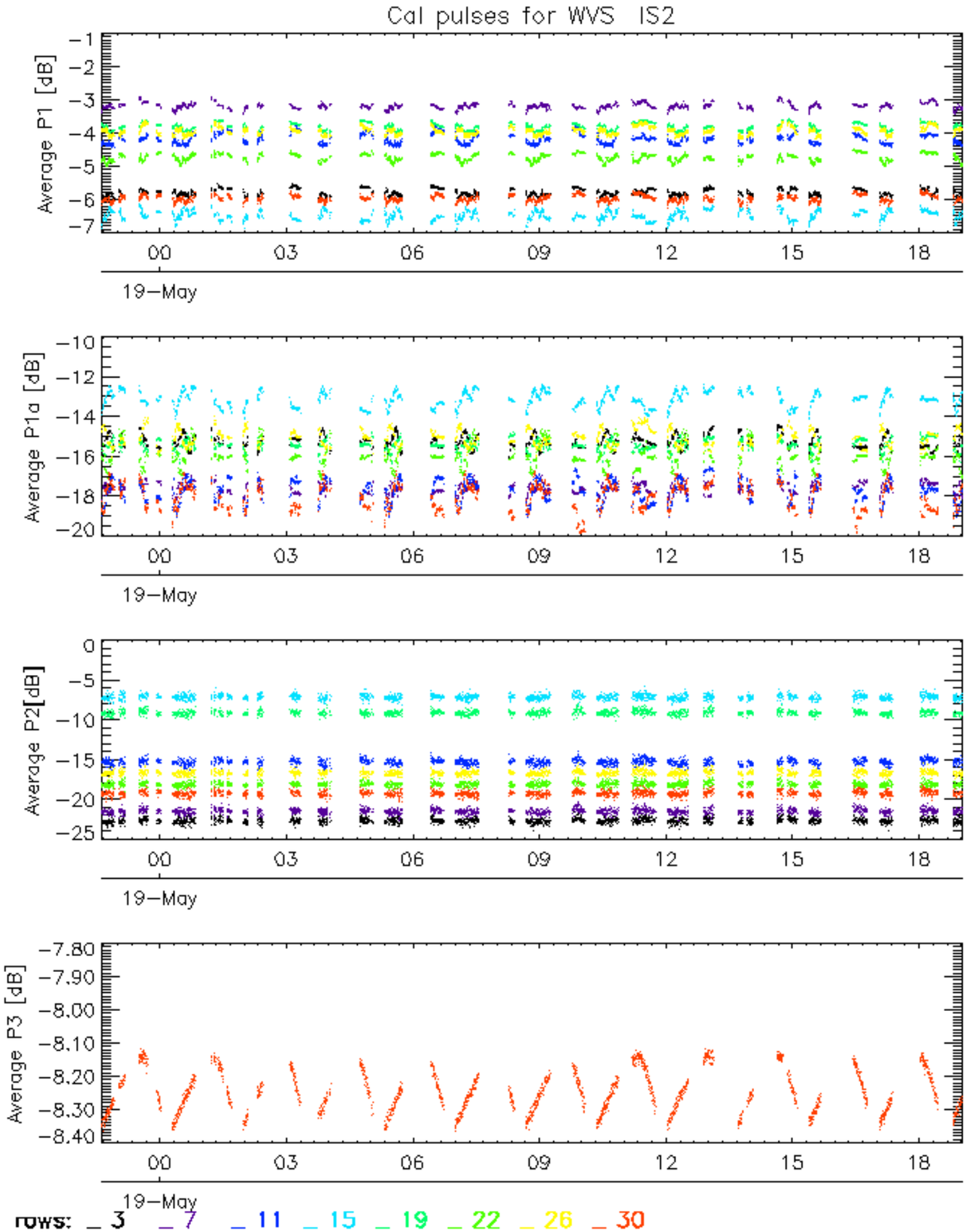

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
00
03
06
09
12
15
18
19−May
Average P1a [dB]
−5
−10
−15
−20
−25
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
Phase P1a [deg]
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
03
06
09
12
15
18
19−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
03
06
09
12
15
18
19−May
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
00
03
06
09
12
15
18
19−May
Phase P1a [deg]
200
100
0
−100
−200
00
03
06
09
12
15
18
19−May
rows: 3 7 11 15 19 22 26 30

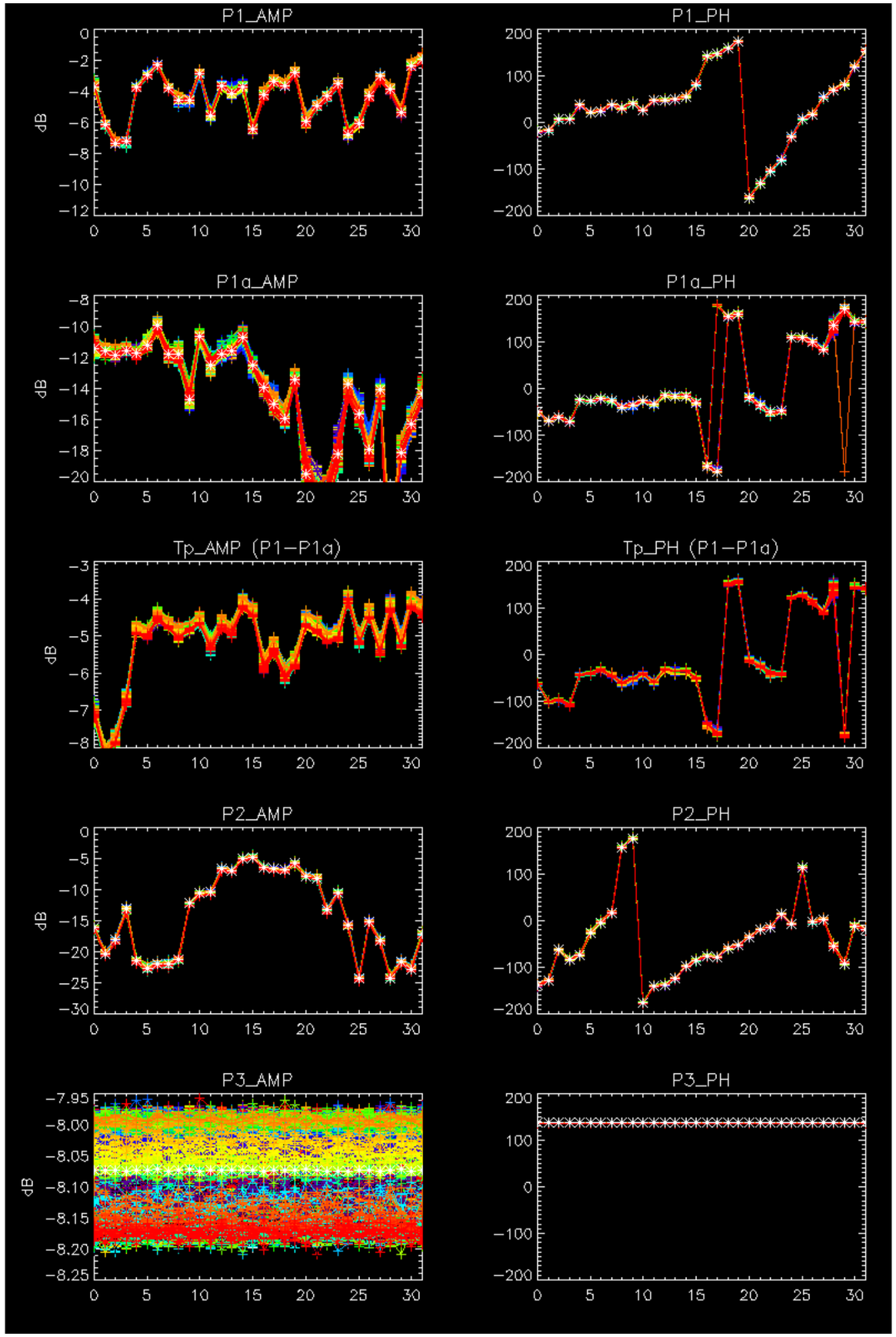

Cal pulses for GM1 SS3
Average P1 [dB]
0
−5
−10
−15
−20
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30

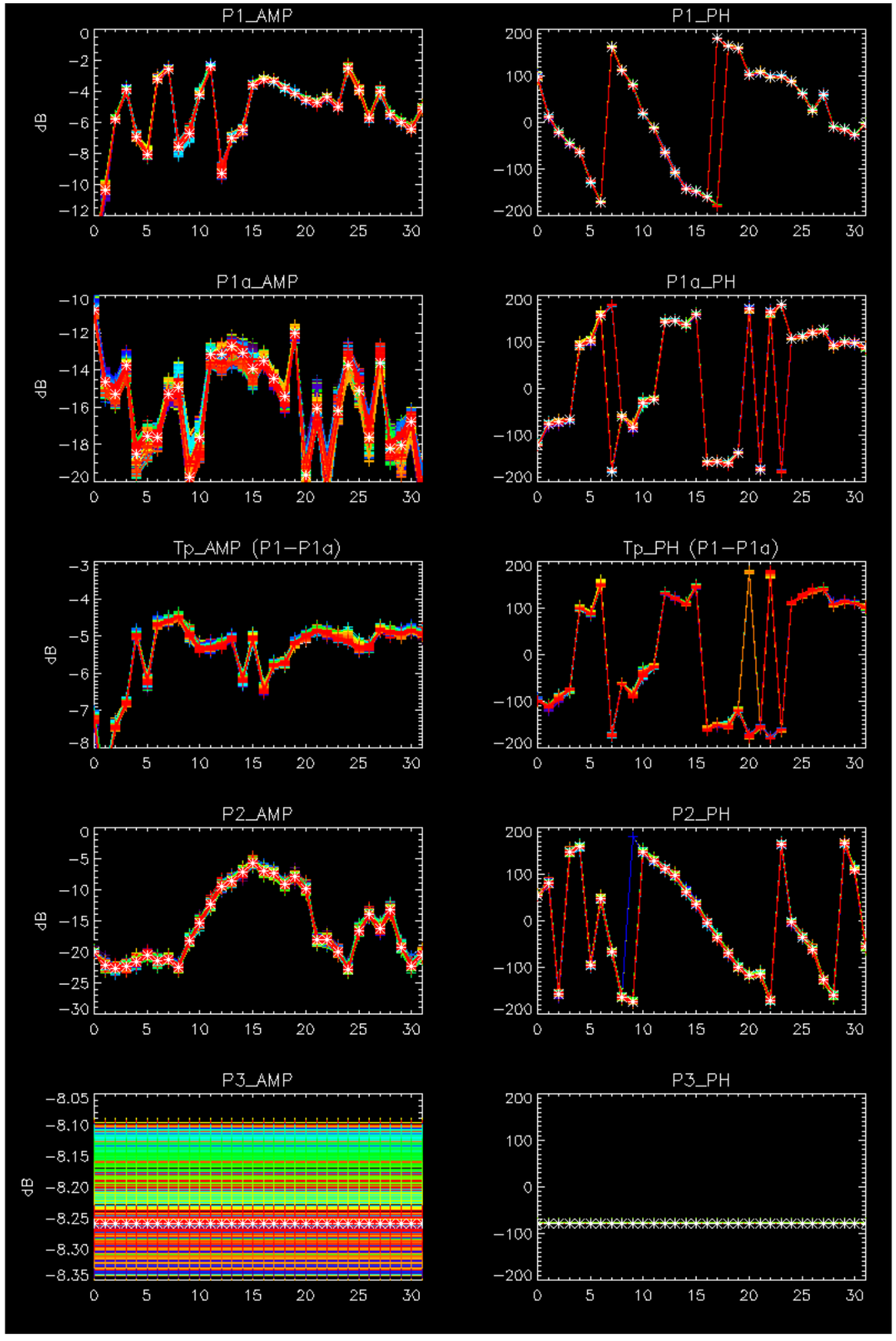

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
00
03
06
09
12
15
18
19−May
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2[dB]
−30
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: 3 7 11 15 19 22 26 30


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


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
00
03
06
09
12
15
18
19−May
Average P1a [dB]
−10
−12
−14
−16
−18
−20
00
03
06
09
12
15
18
19−May
Average P2[dB]
0
−5
−10
−15
−20
−25
00
03
06
09
12
15
18
19−May
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
00
03
06
09
12
15
18
19−May
rows: 3 7 11 15 19 22 26 30

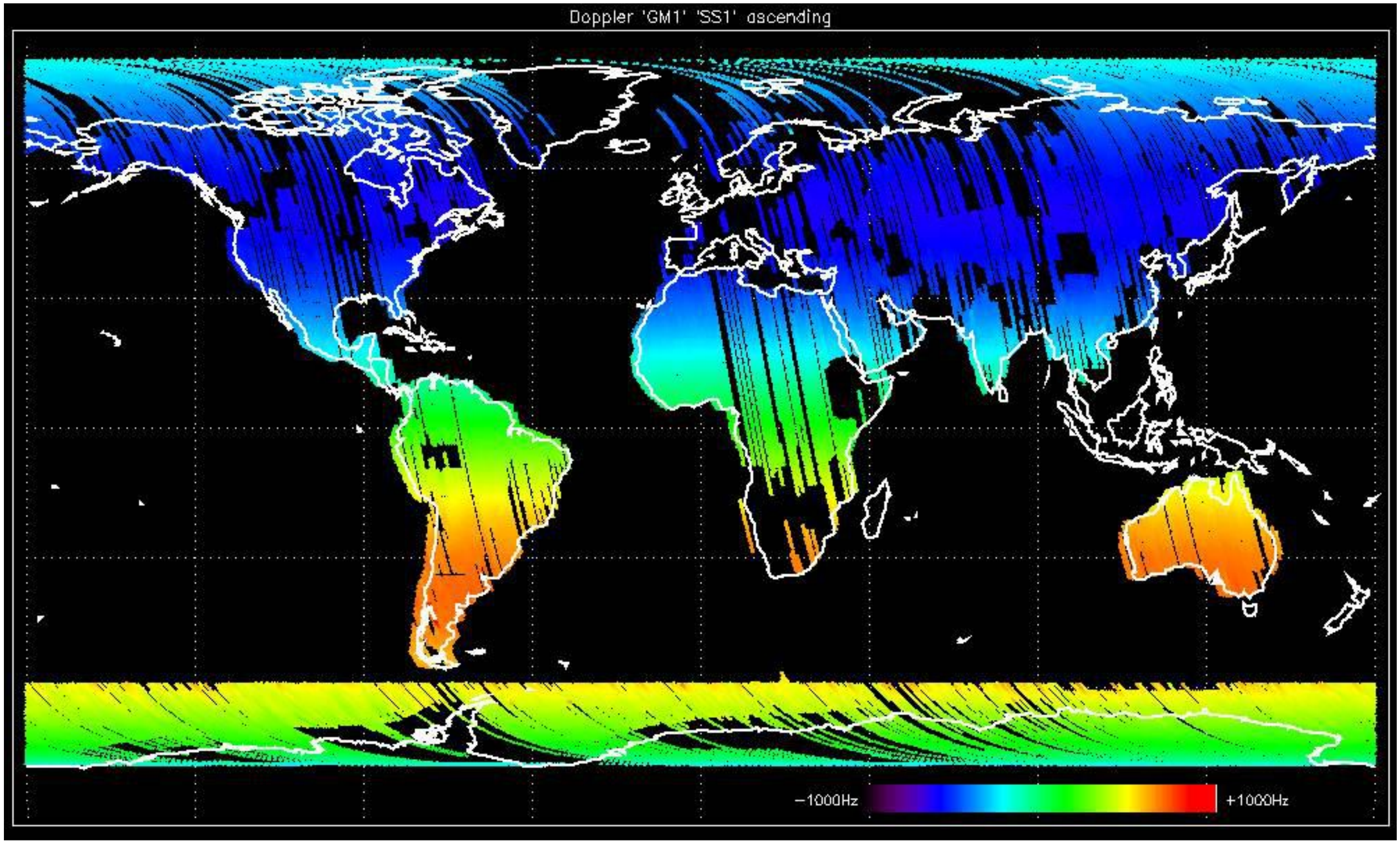
No anomalies observed.

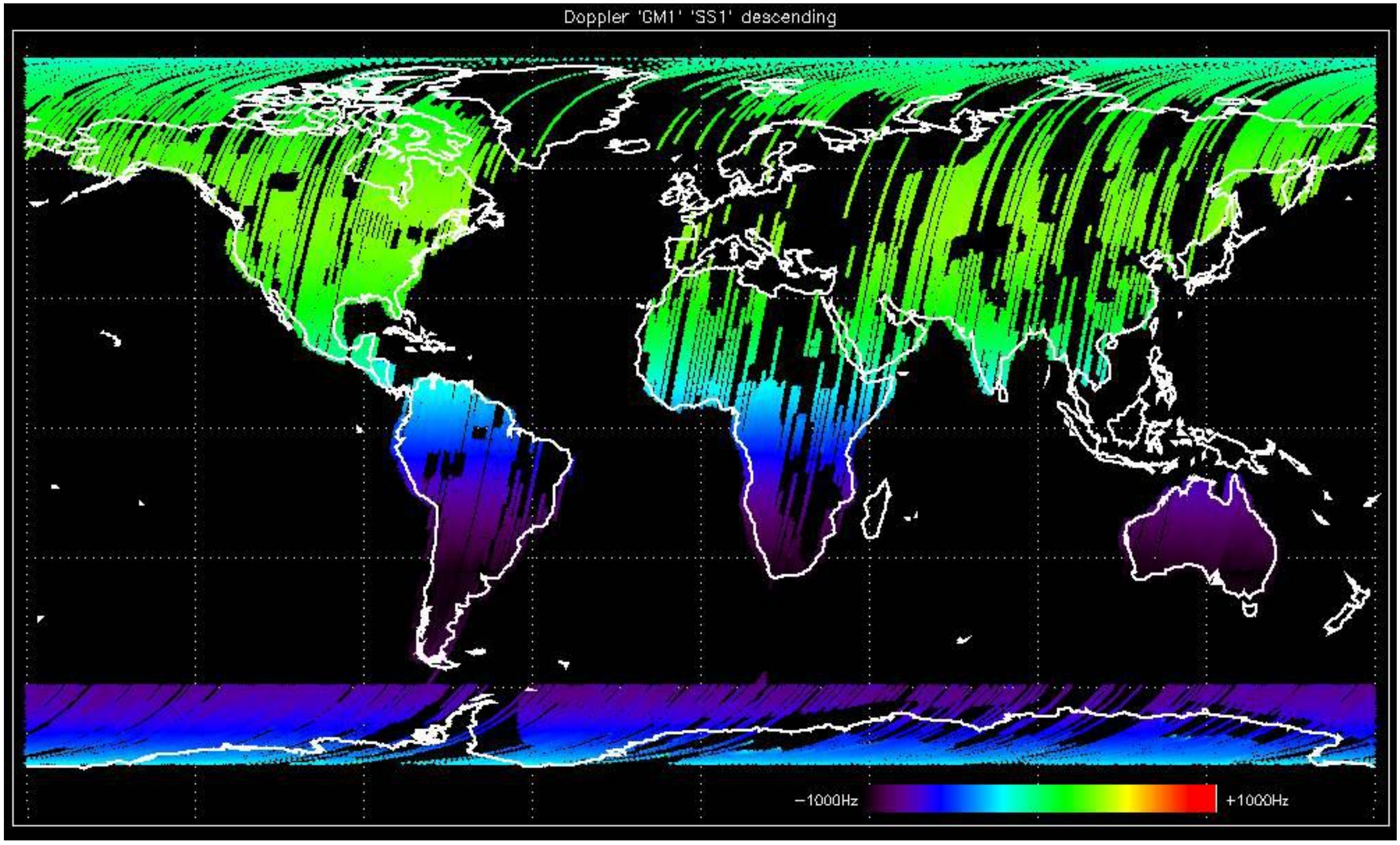

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

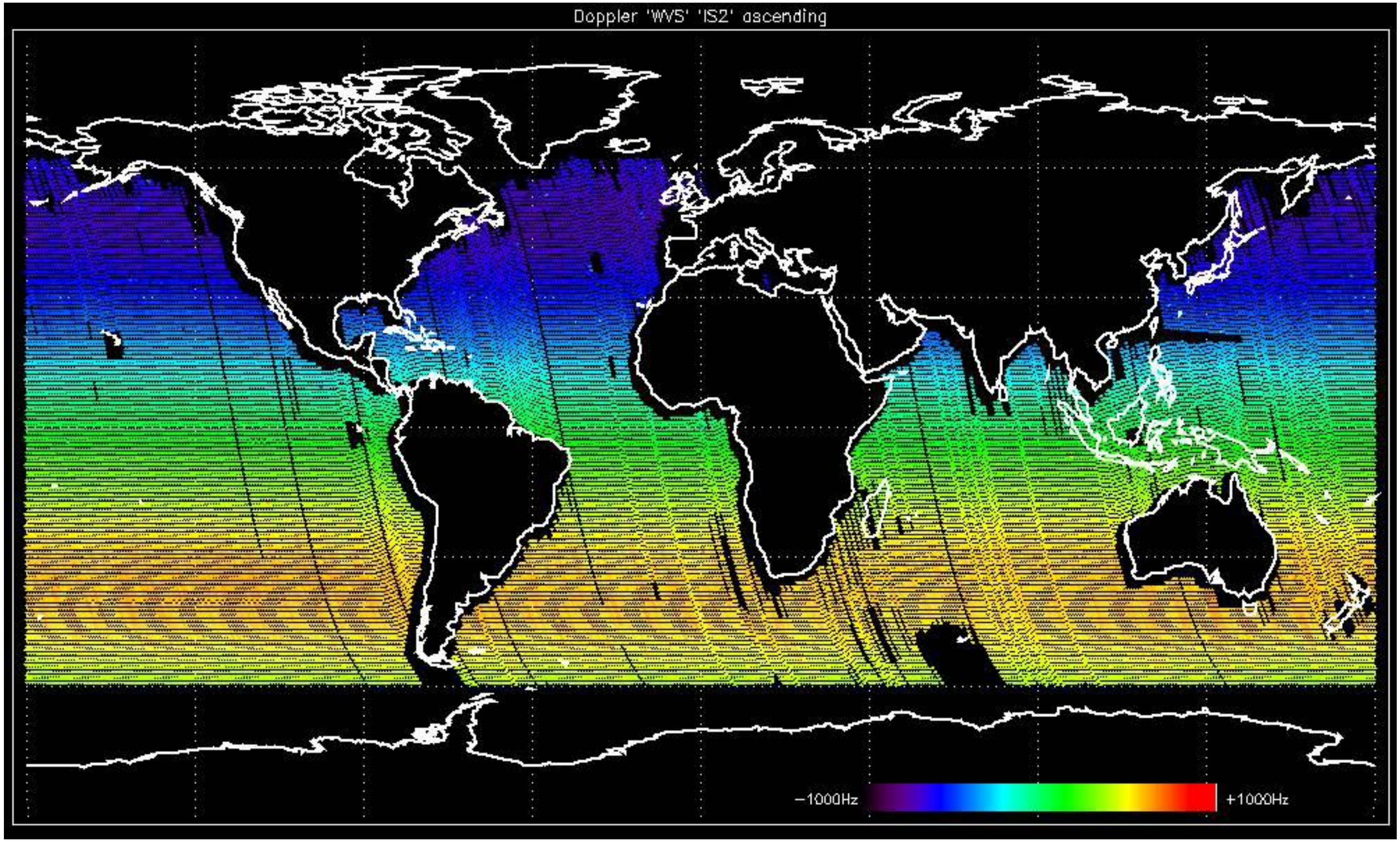

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

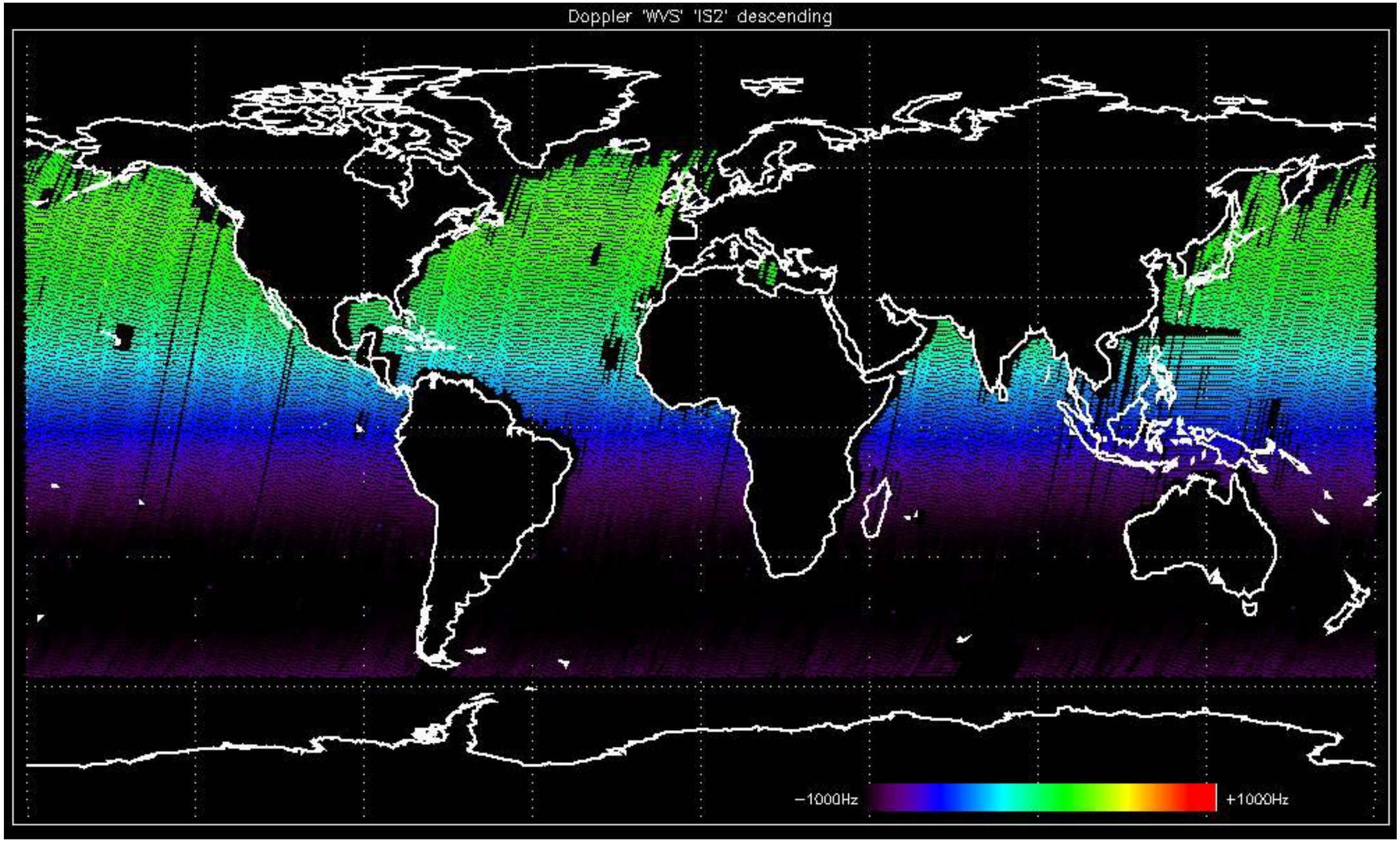
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

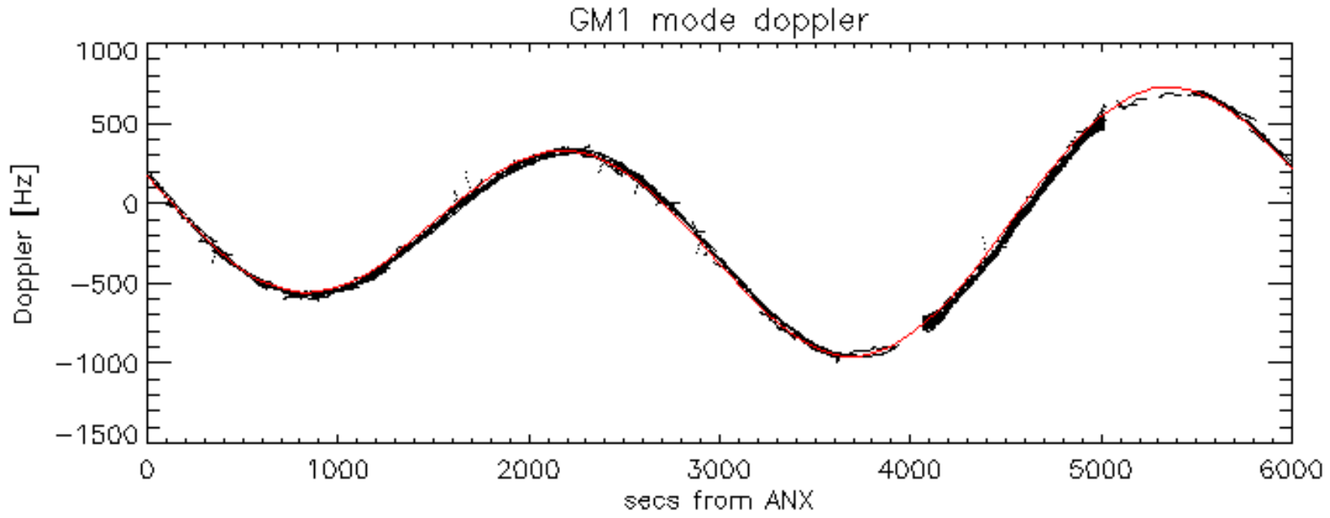
Preliminary report.The data is not yet controled

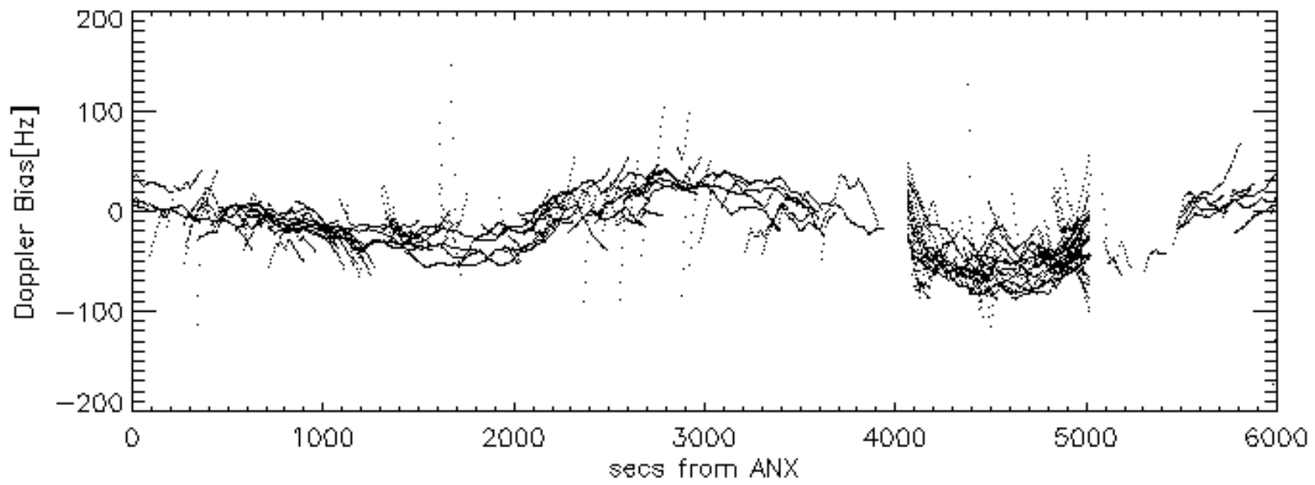

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

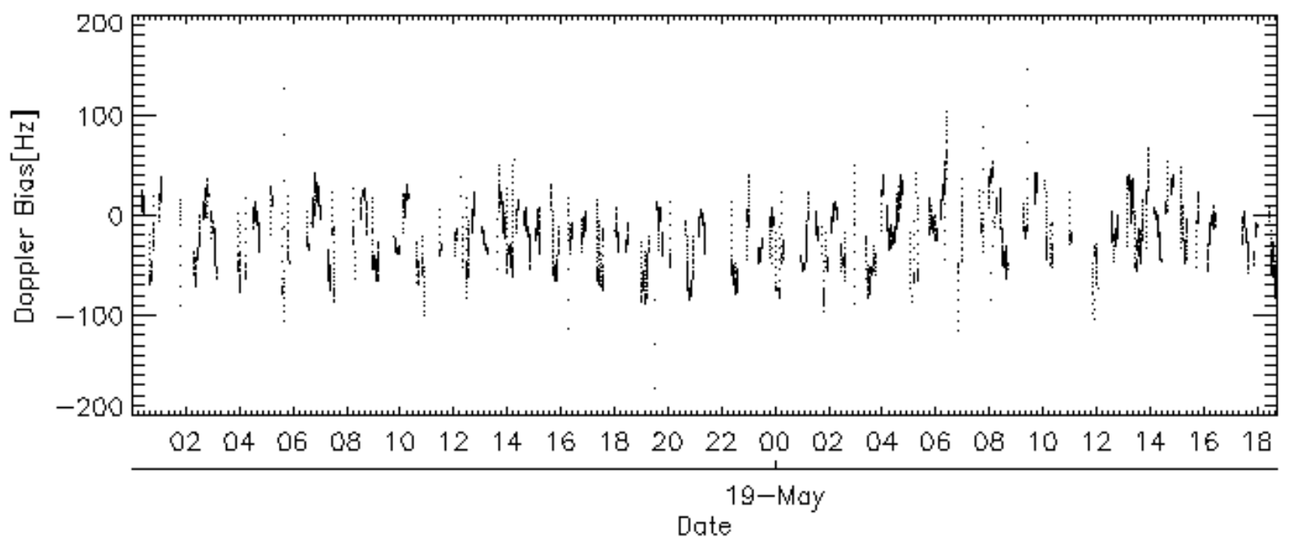

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

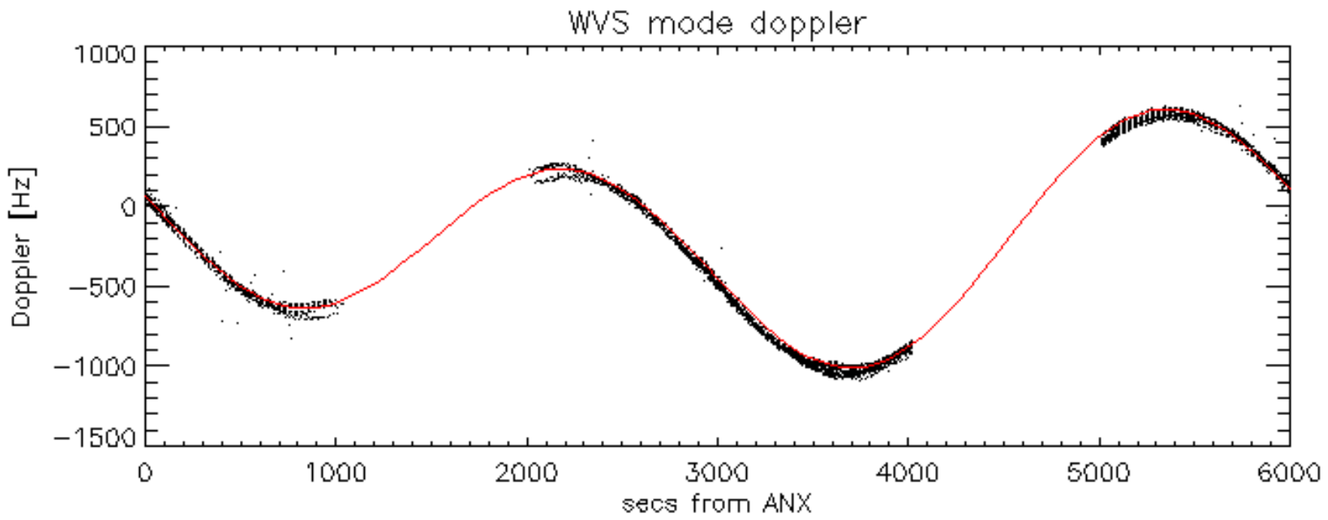

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

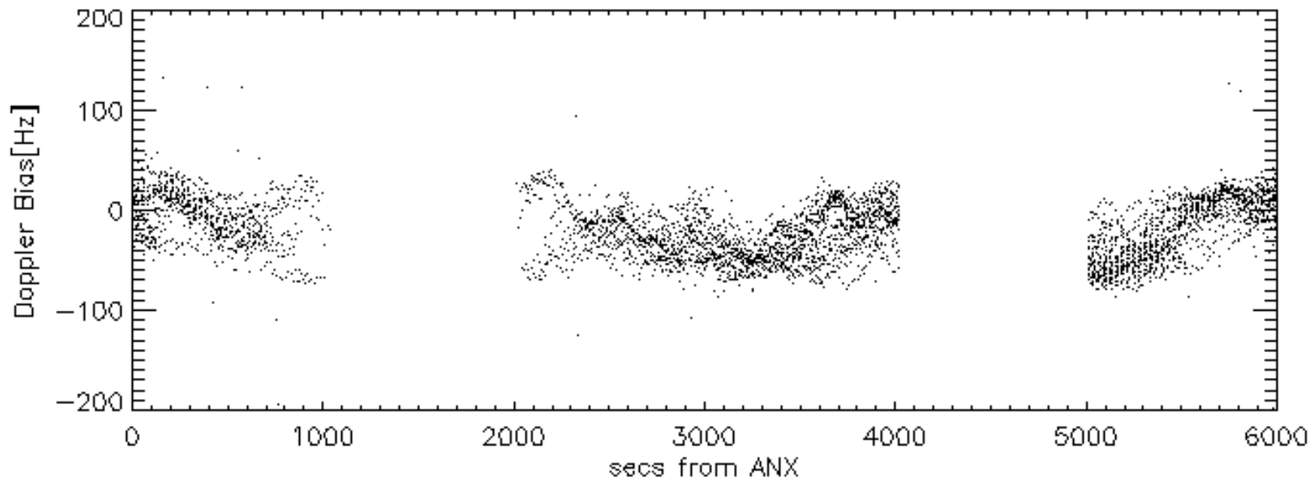

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

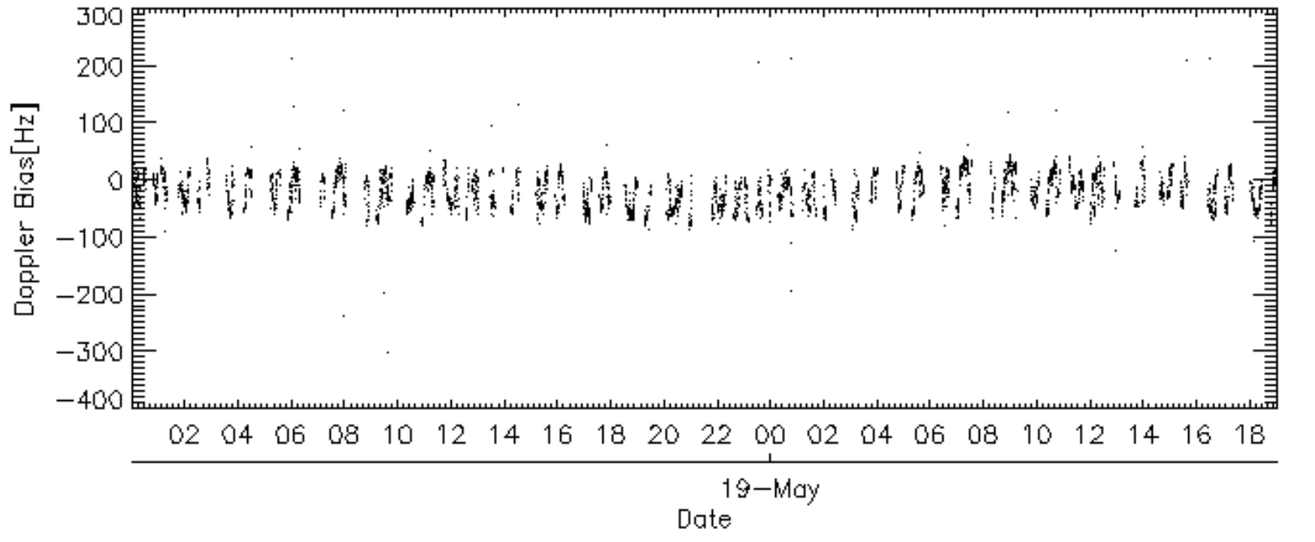

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

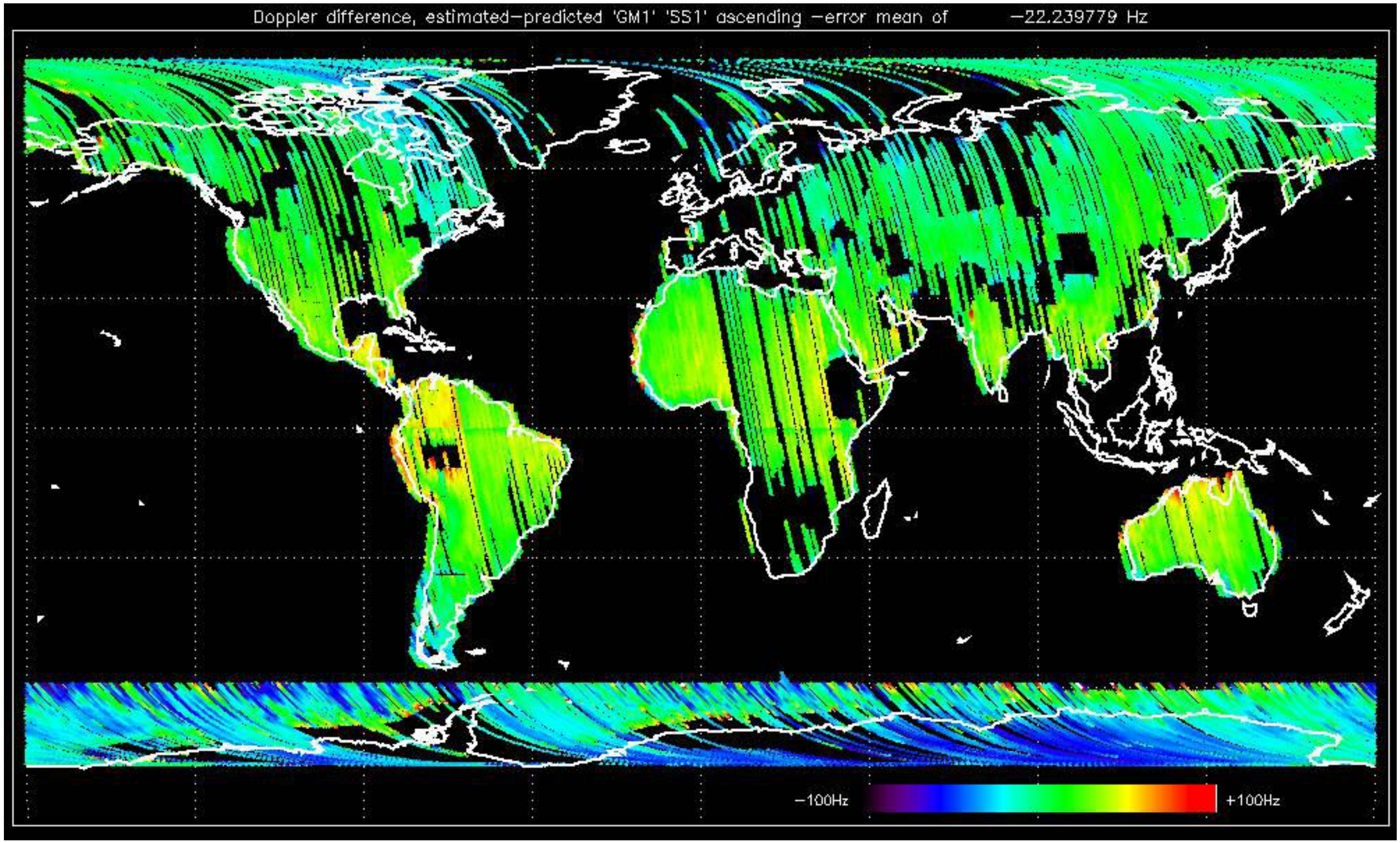

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

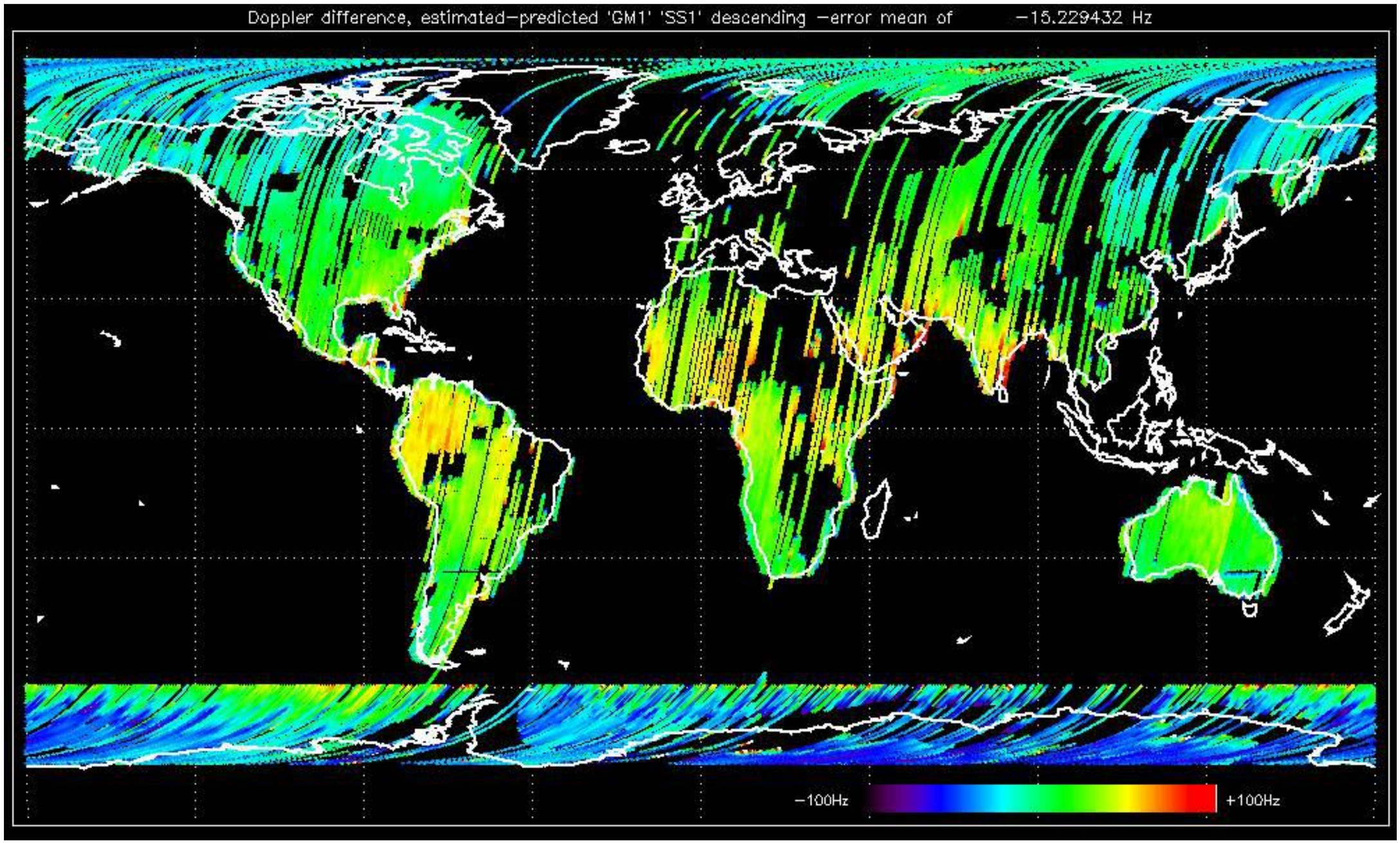

Doppler Bias[Hz]
200
100
0
−100
−200
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18
19−May
Date

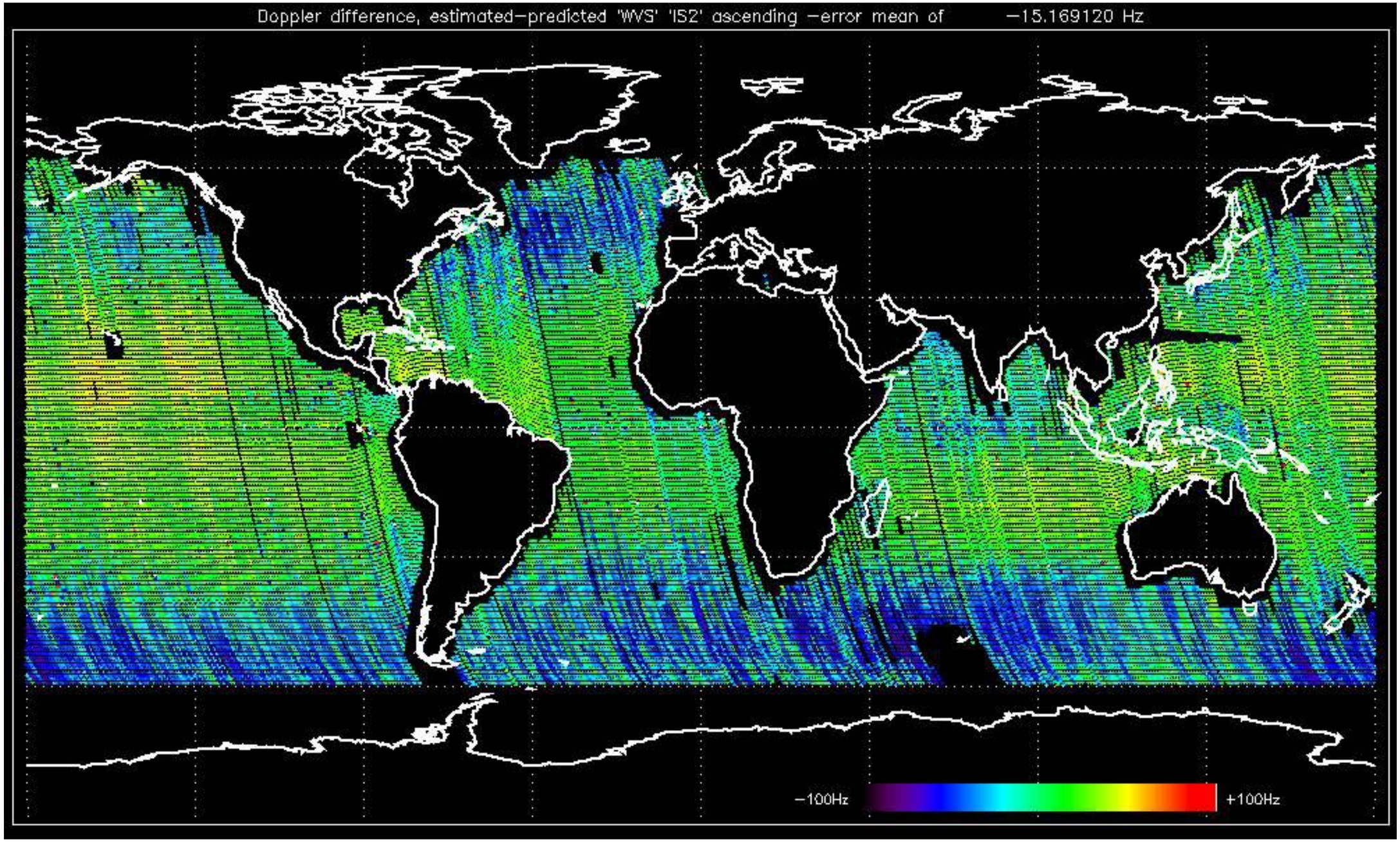

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

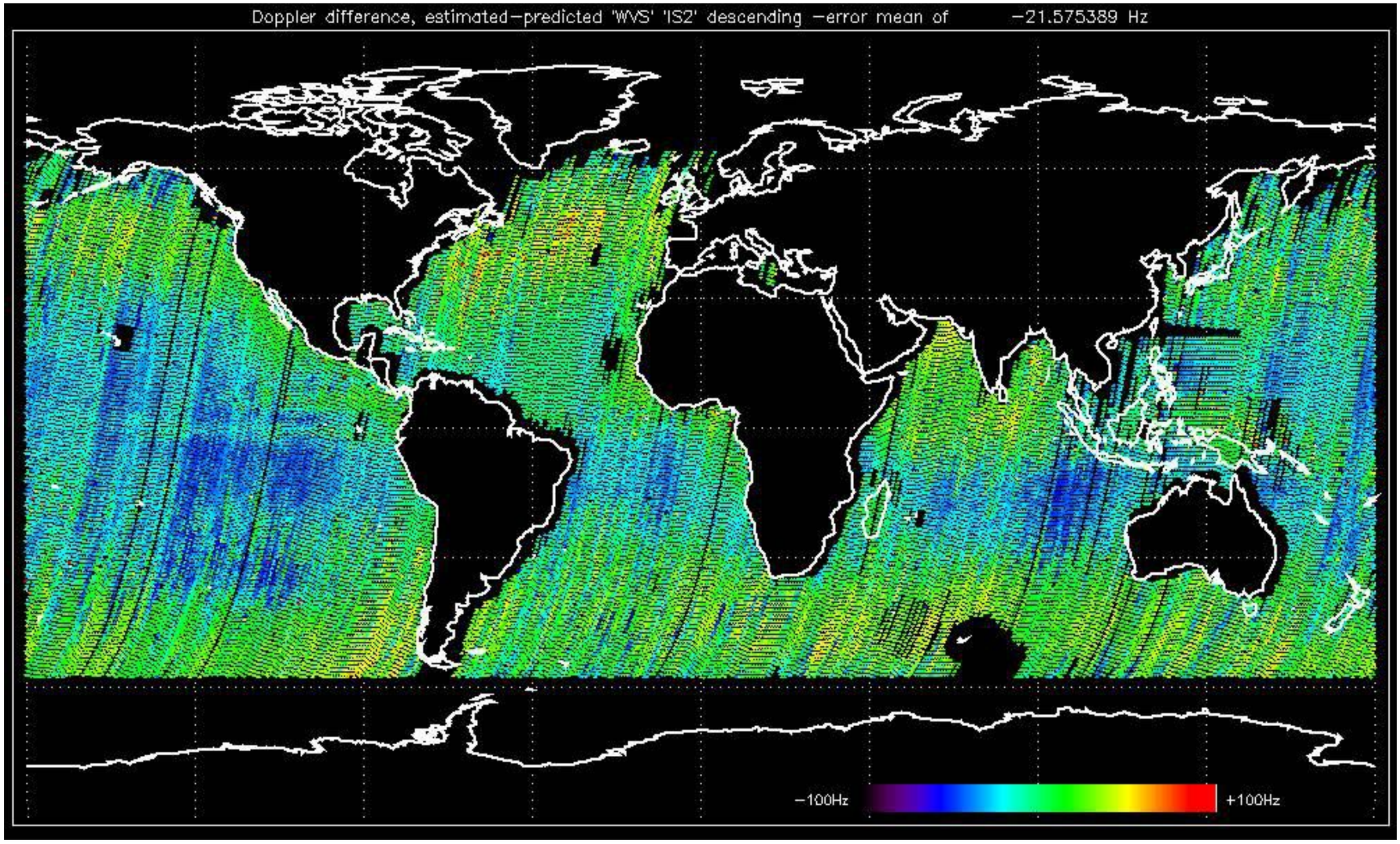

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
−300
−400
02 04 06 08 10 12 14 16 18 20 22 00 02 04 06 08 10 12 14 16 18
19−May
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −22.239779 Hz
−100Hz
+100Hz

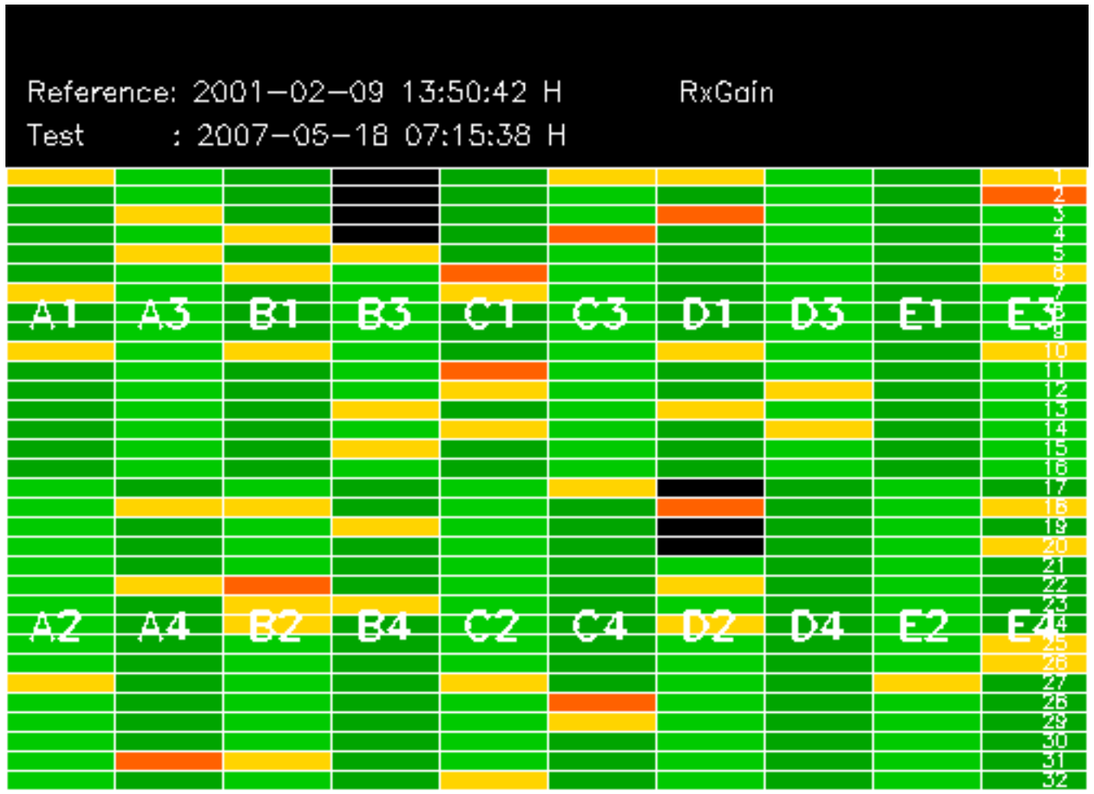

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −15.229432 Hz
−100Hz
+100Hz

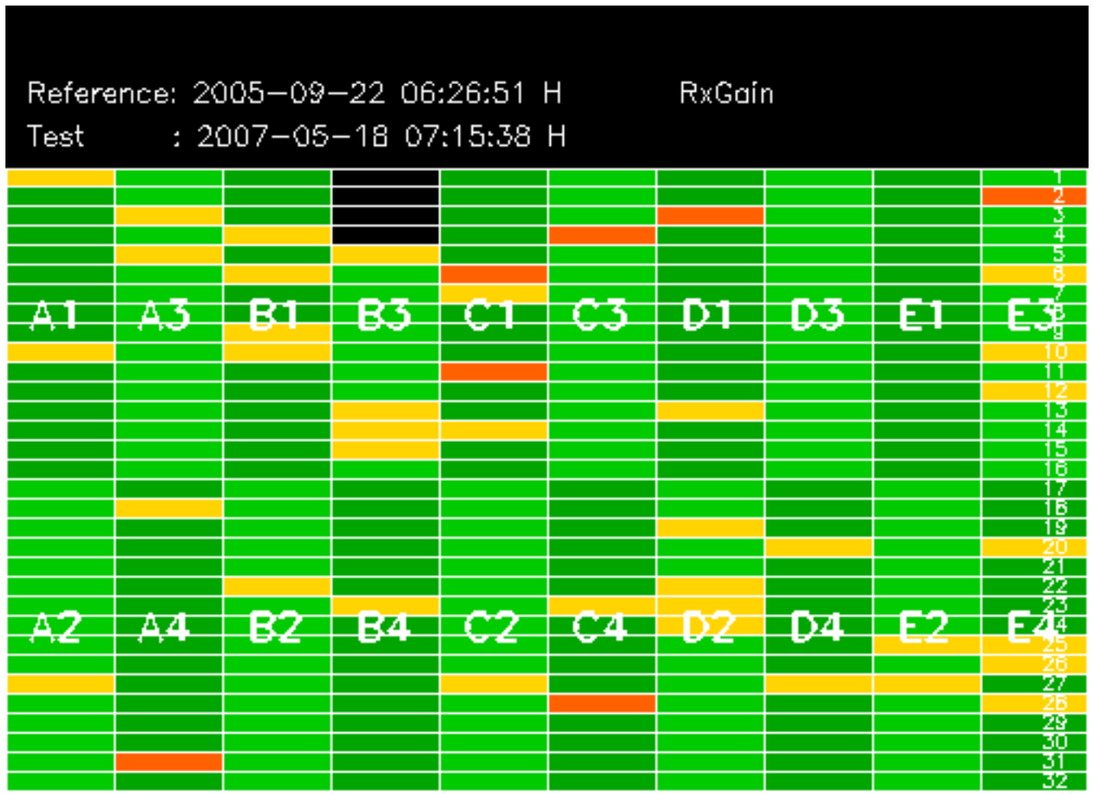

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.169120 Hz
−100Hz
+100Hz

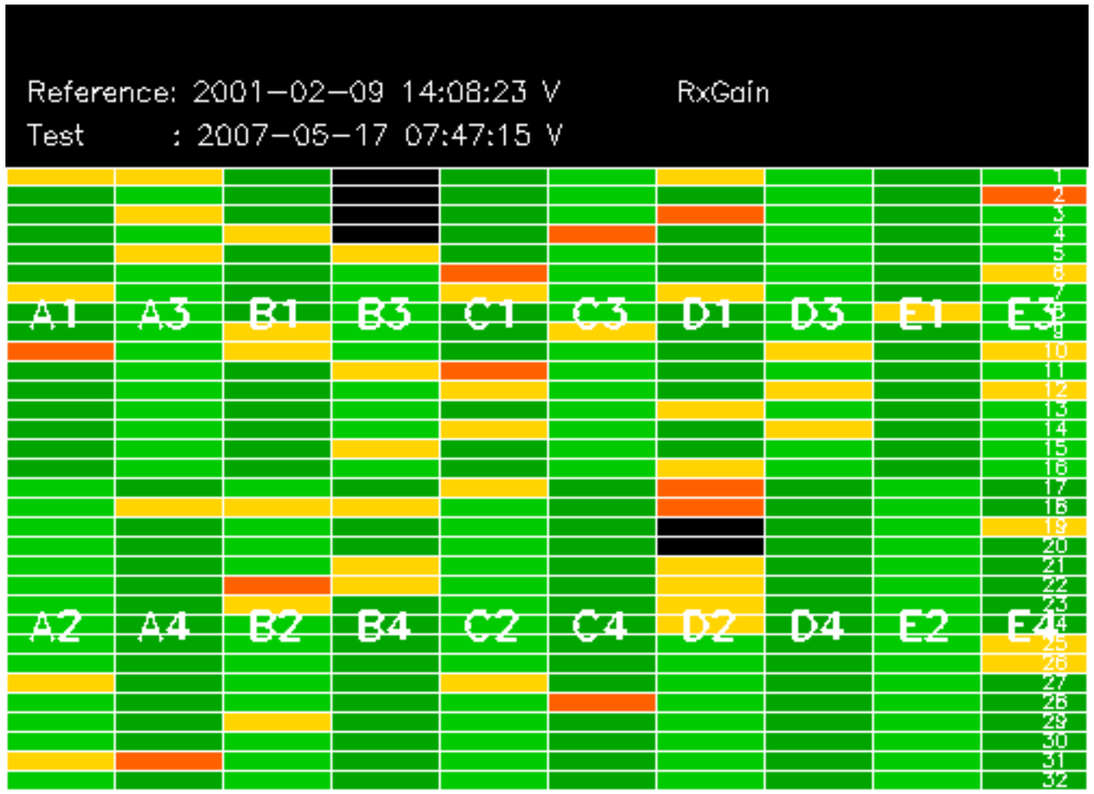

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −21.575389 Hz
−100Hz
+100Hz

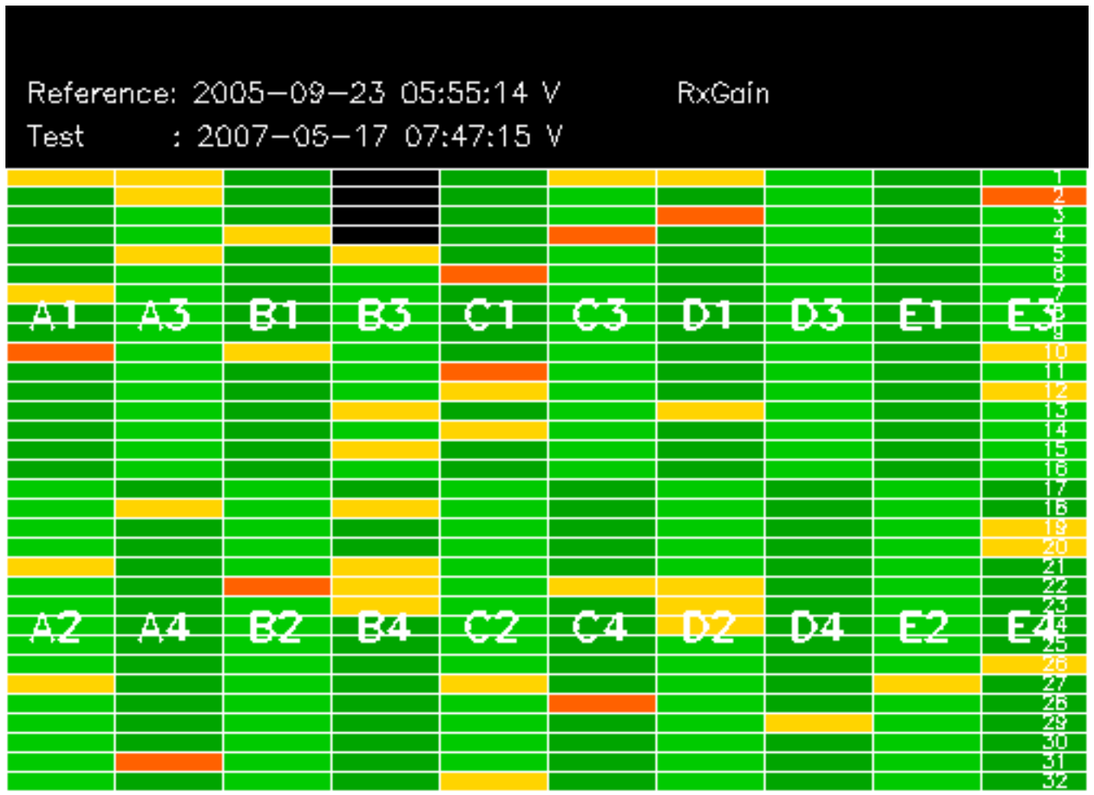
No anomalies observed on available MS products:

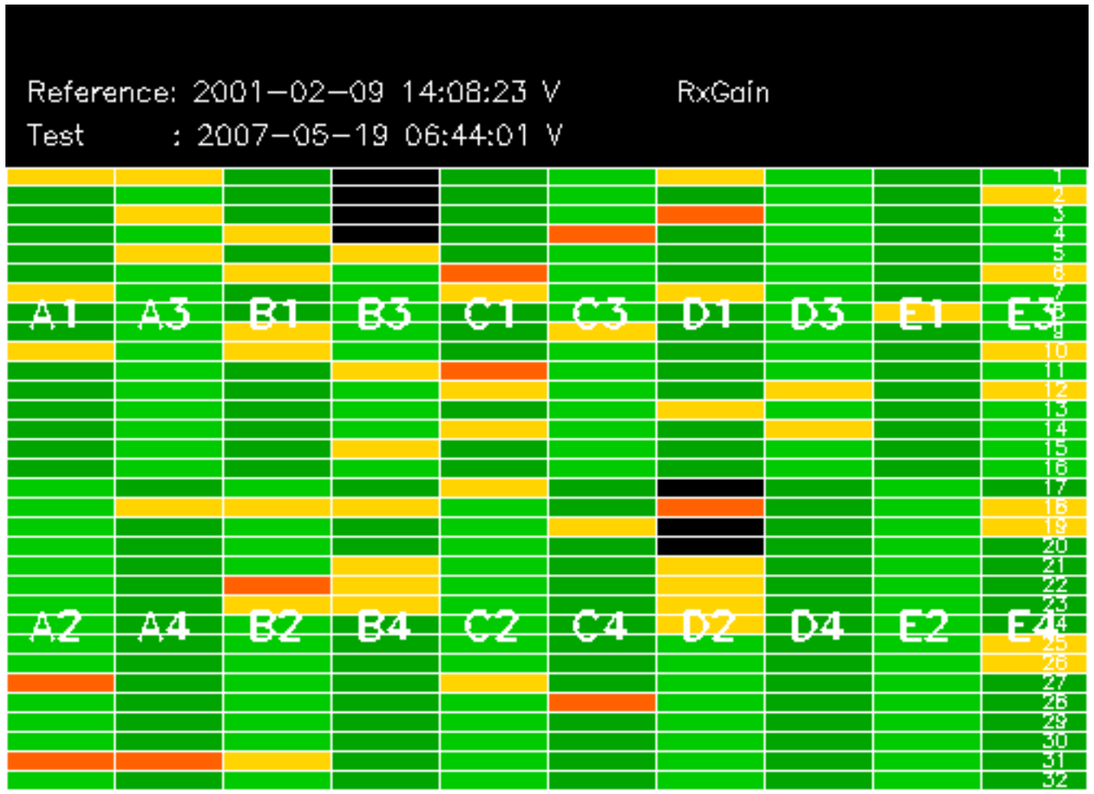
No anomalies observed.

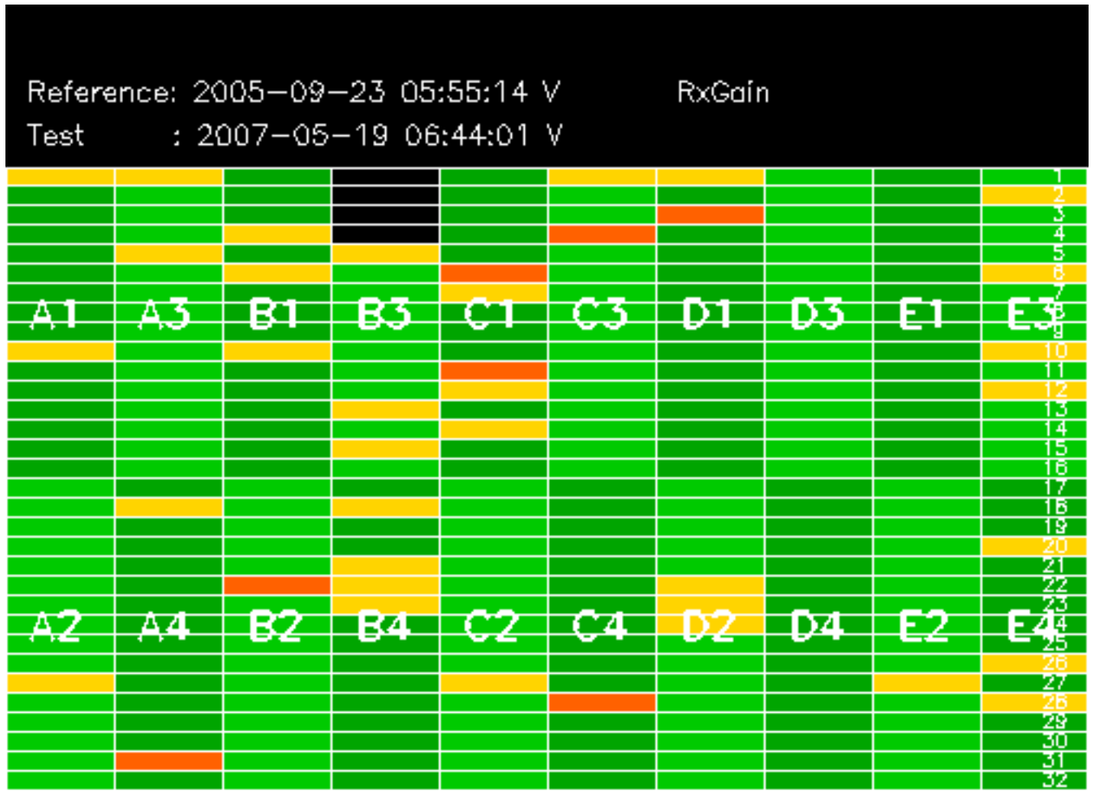

Reference: 2001-02-09 13:50:42 H
Test : 2007-05-18 07:15:38 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

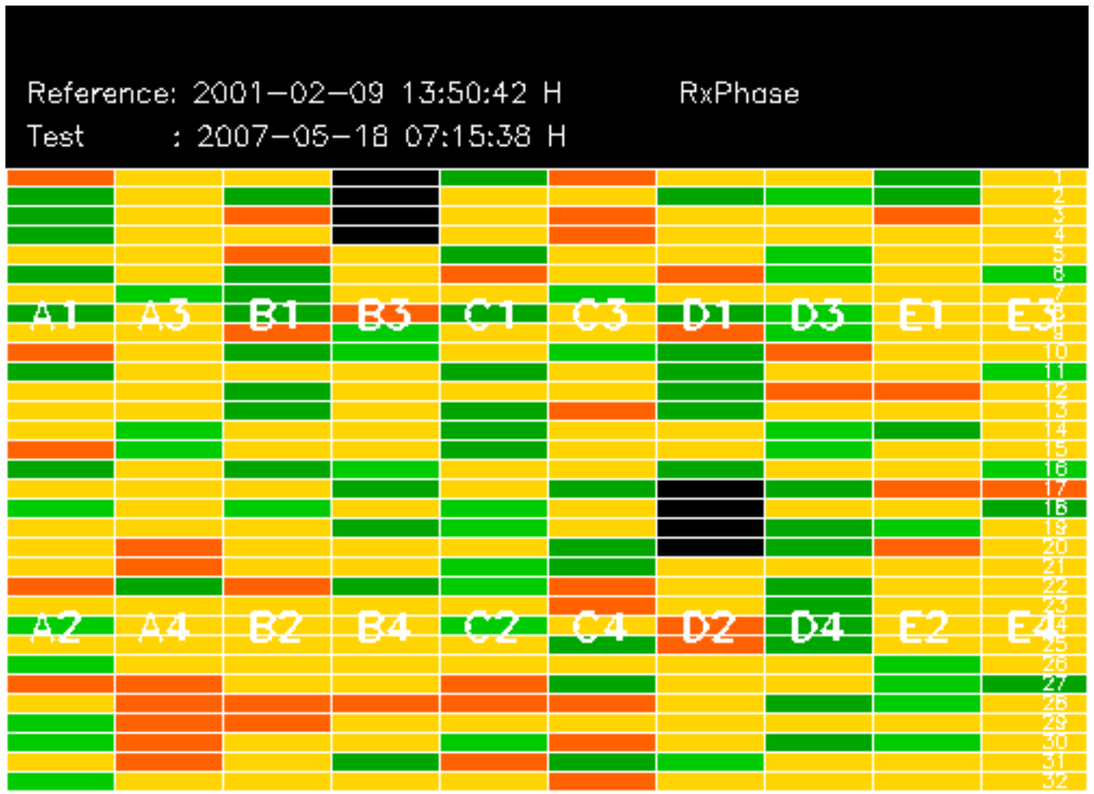

Reference: 2005-09-22 06:26:51 H
Test : 2007-05-18 07:15:38 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

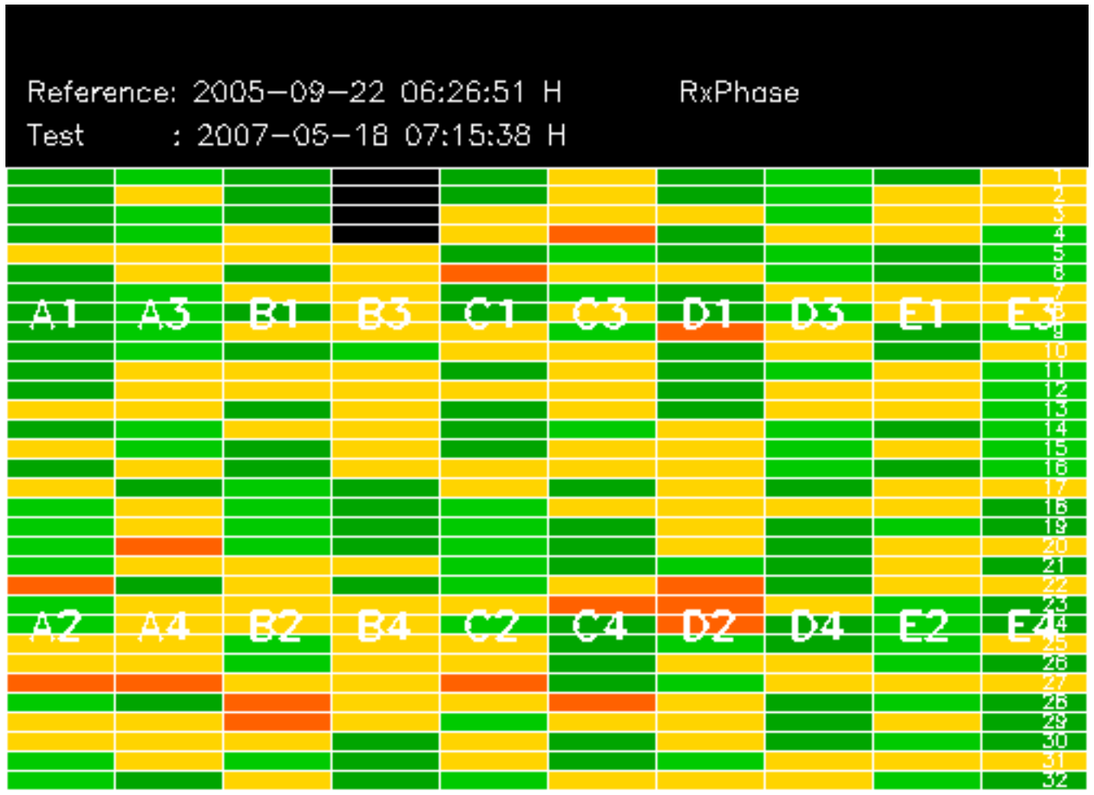

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-17 07:47:15 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

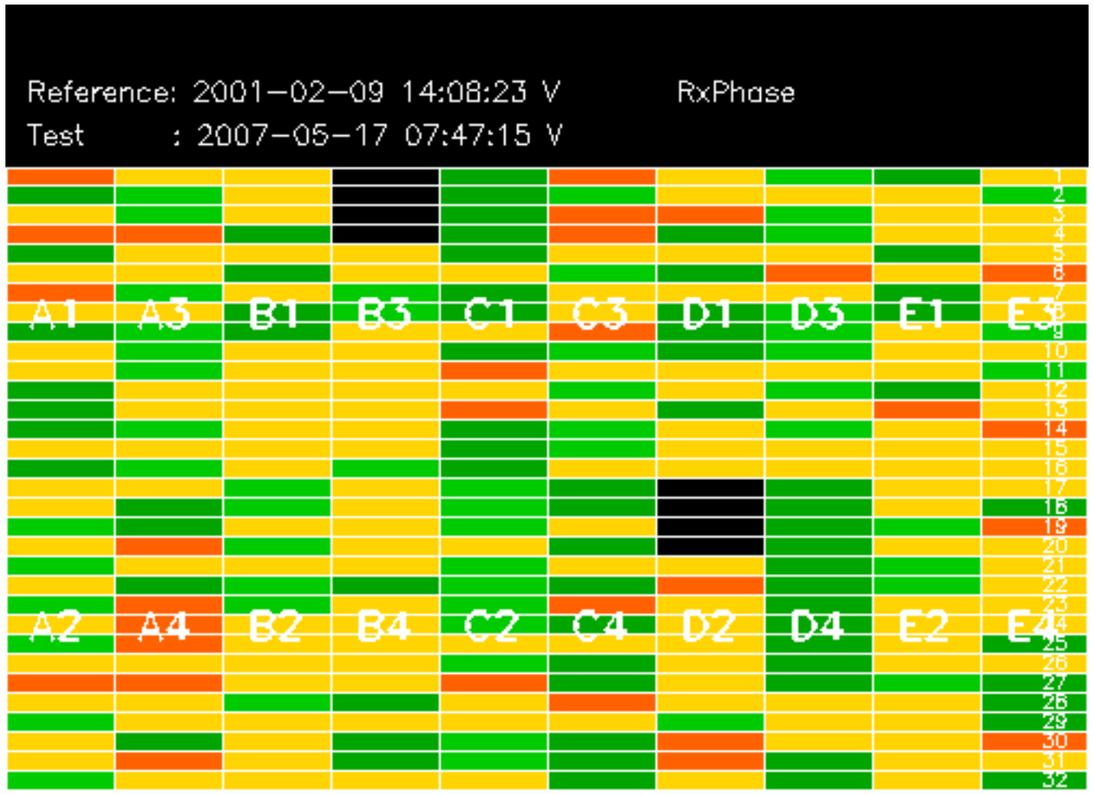

Reference: 2005-09-23 05:55:14 V
Test : 2007-05-17 07:47:15 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

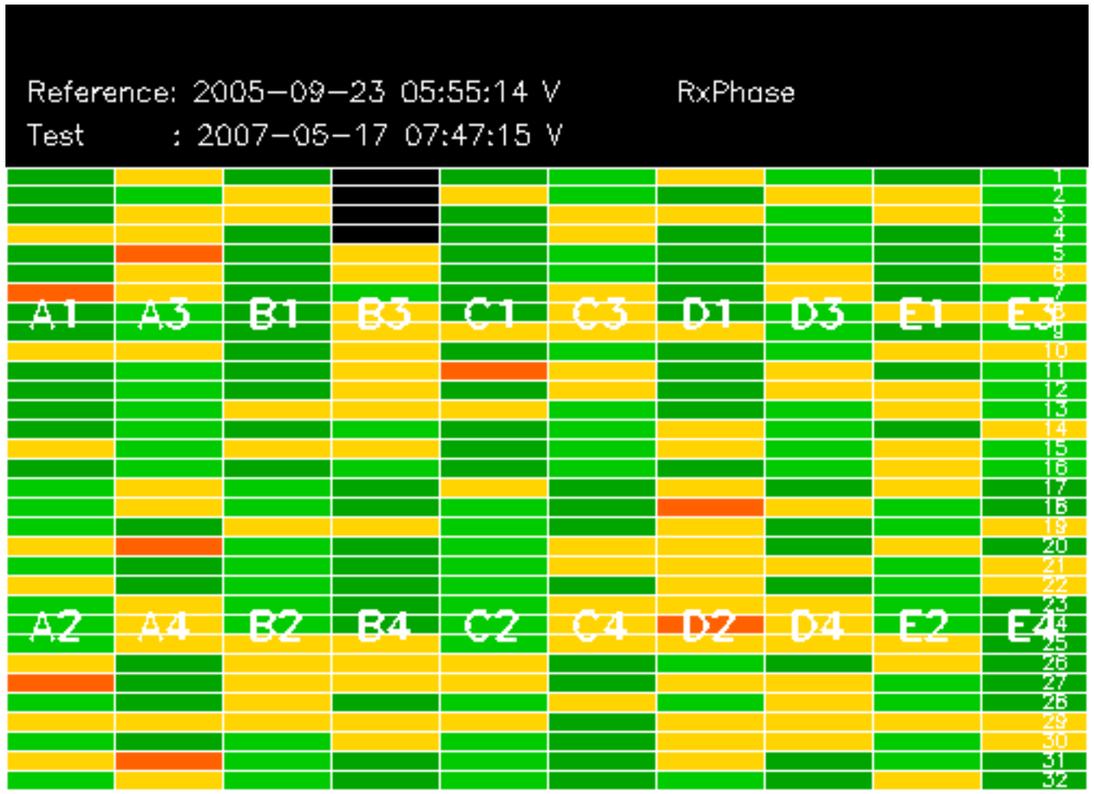

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-19 06:44:01 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-19 06:44:01 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-05-18 07:15:38 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
Test : 2007-05-18 07:15:38 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-05-17 07:47:15 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 : 2007-05-17 07:47:15 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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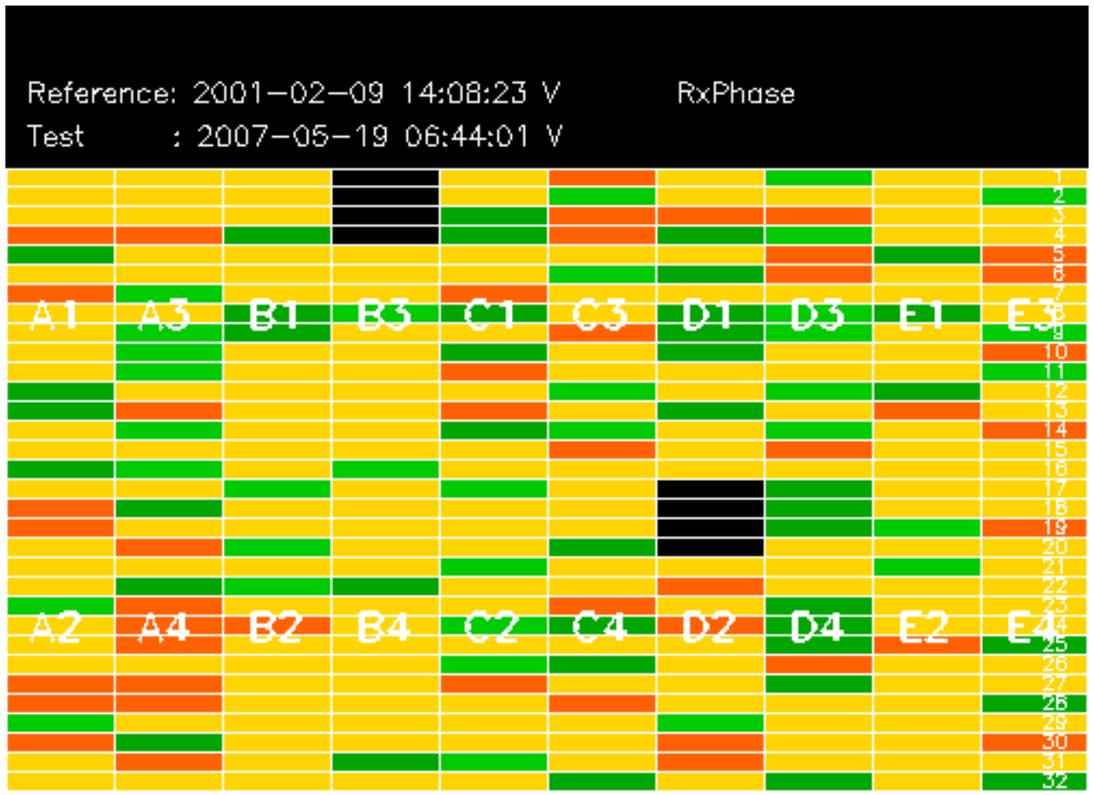
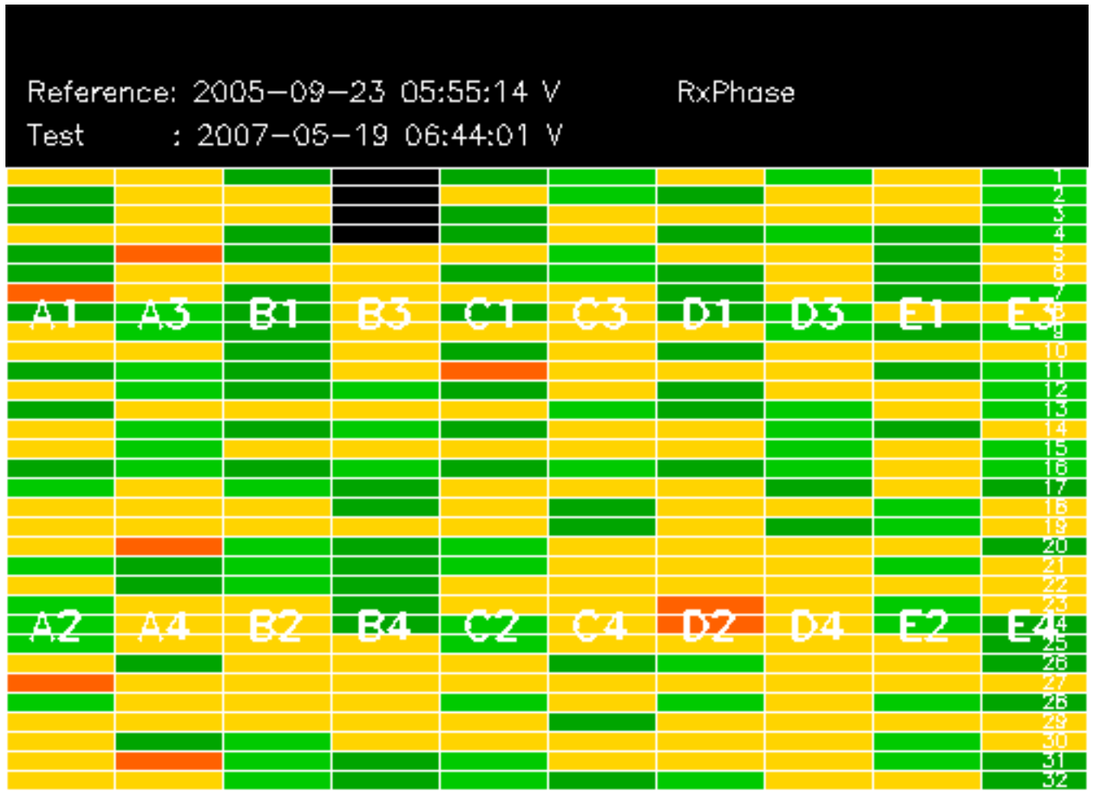

Reference: 2001-02-09 14:08:23 V
Test : 2007-05-19 06:44:01 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-19 06:44:01 V
RxPhase
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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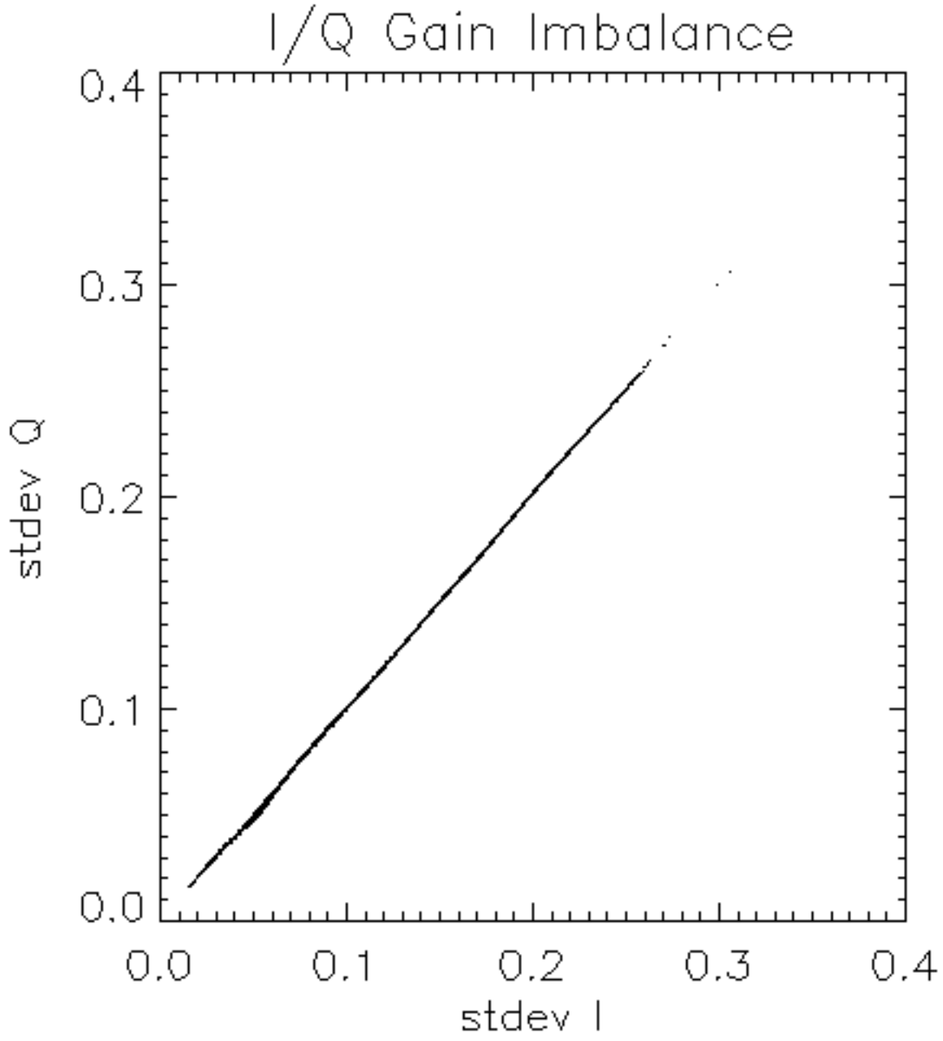
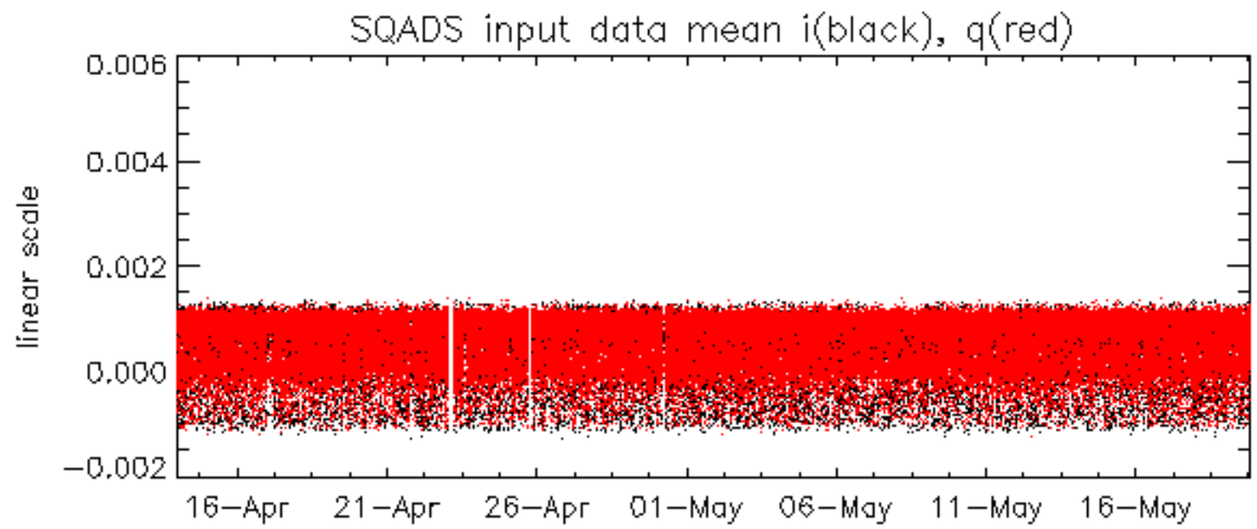
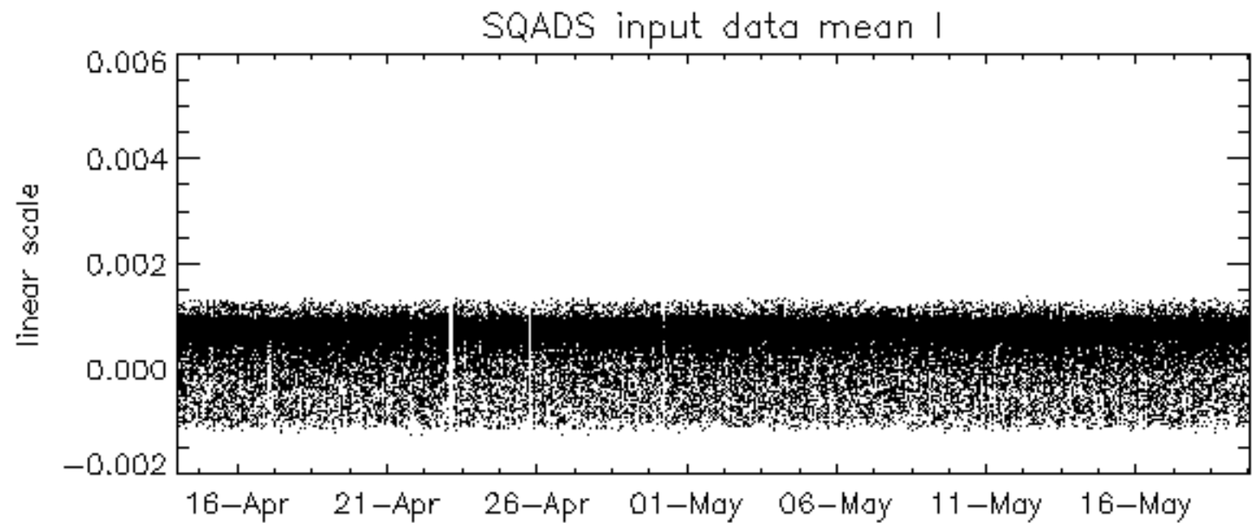
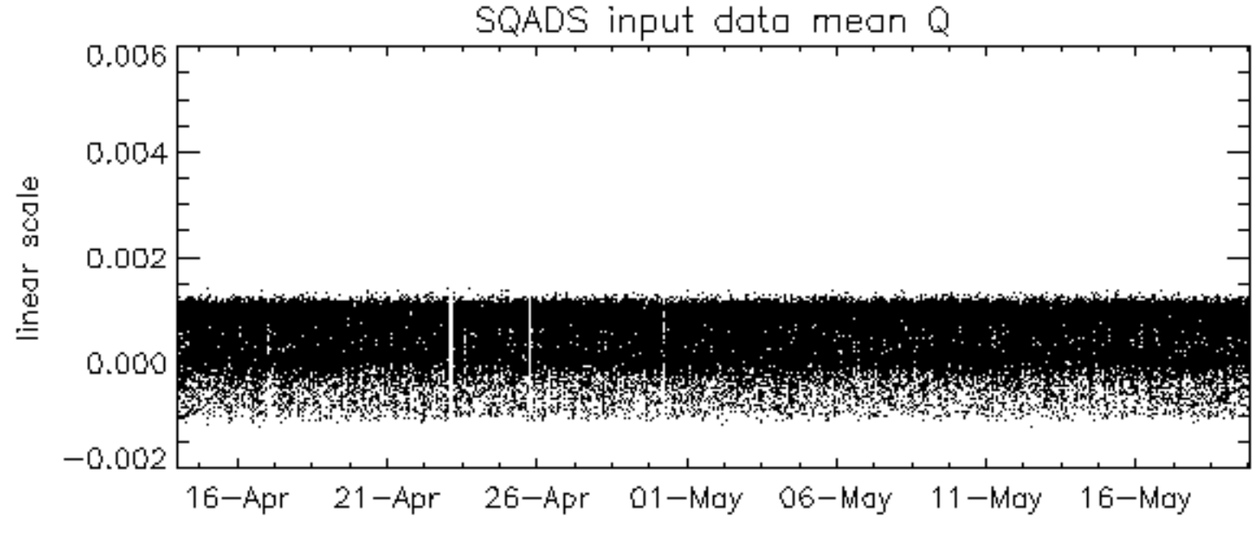
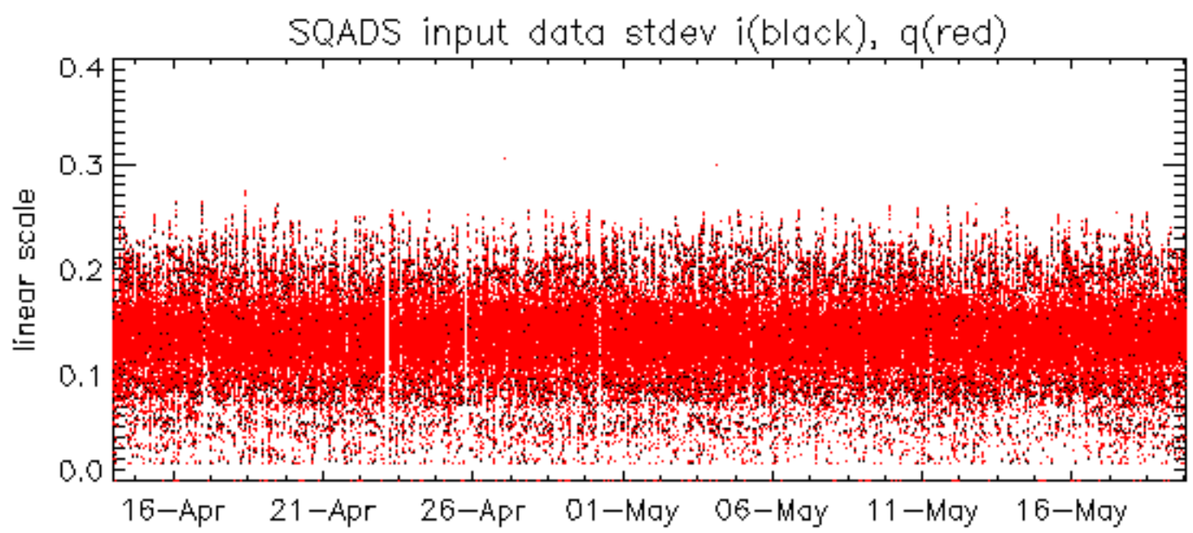
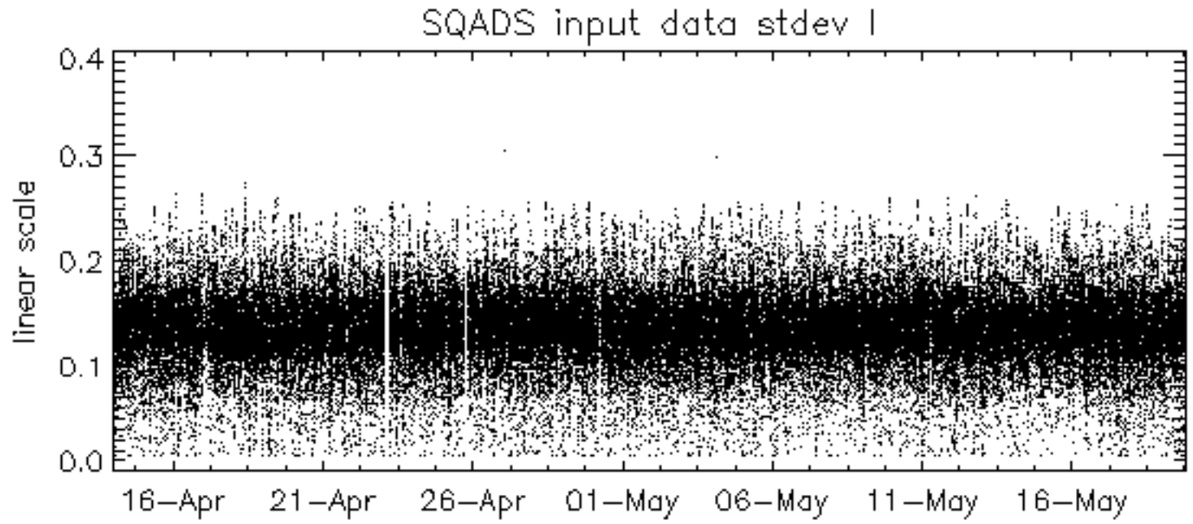

I/Q Gain Imbalance
0.4
0.3
0.2
0.1
0.0
stdev Q
0.0
0.1
0.2
0.3
0.4
stdev I

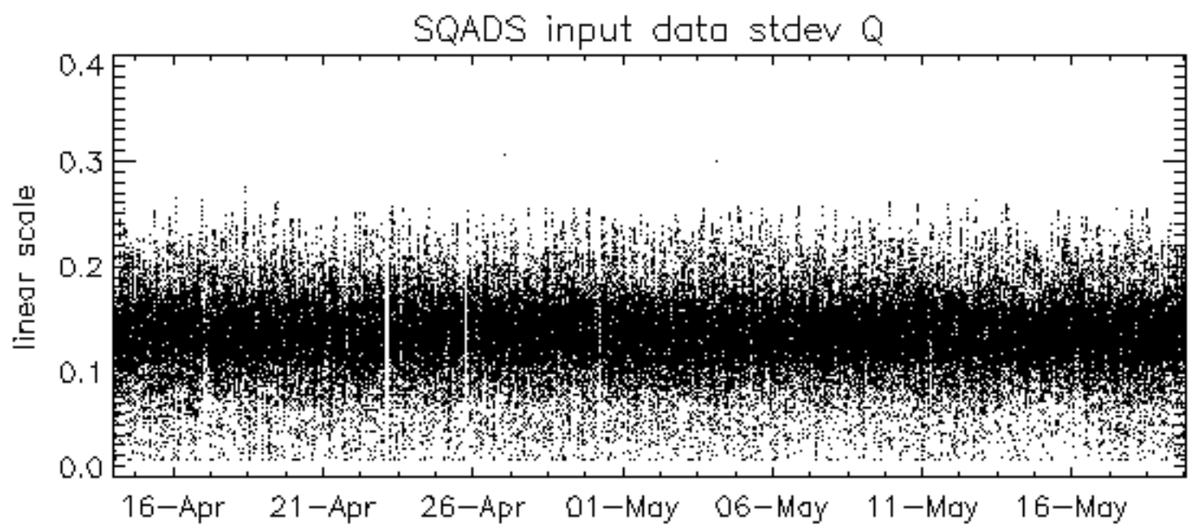

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May

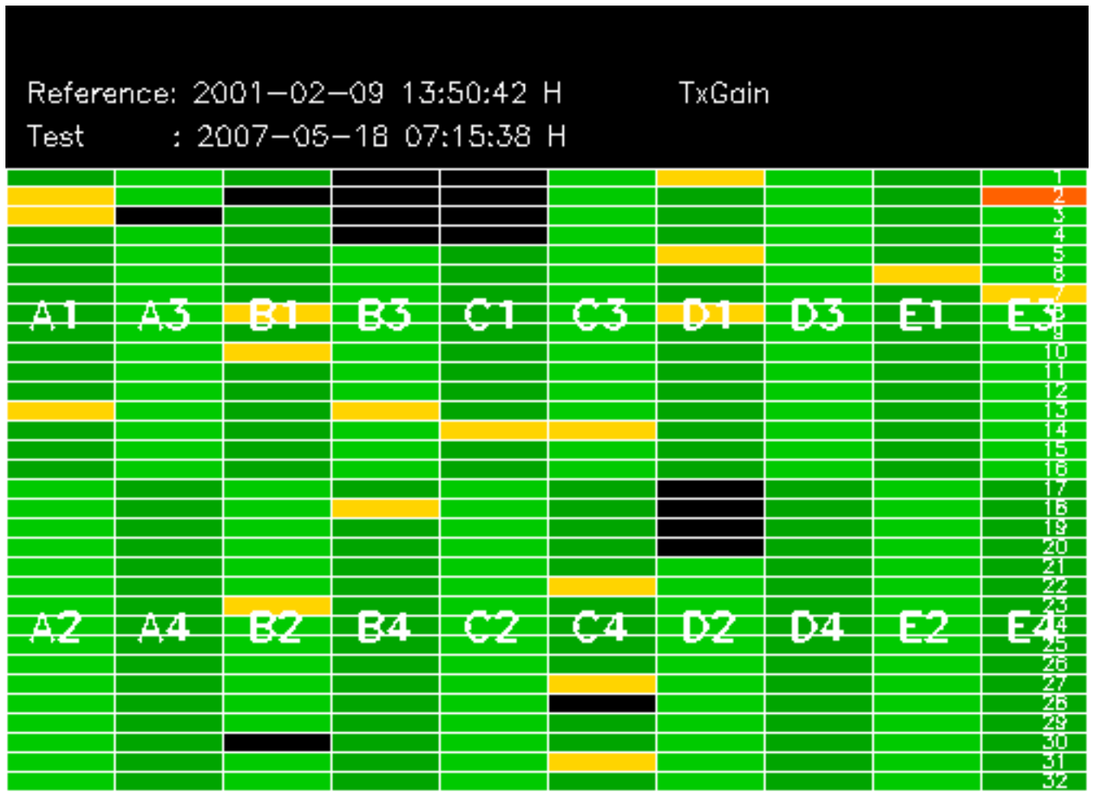

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May

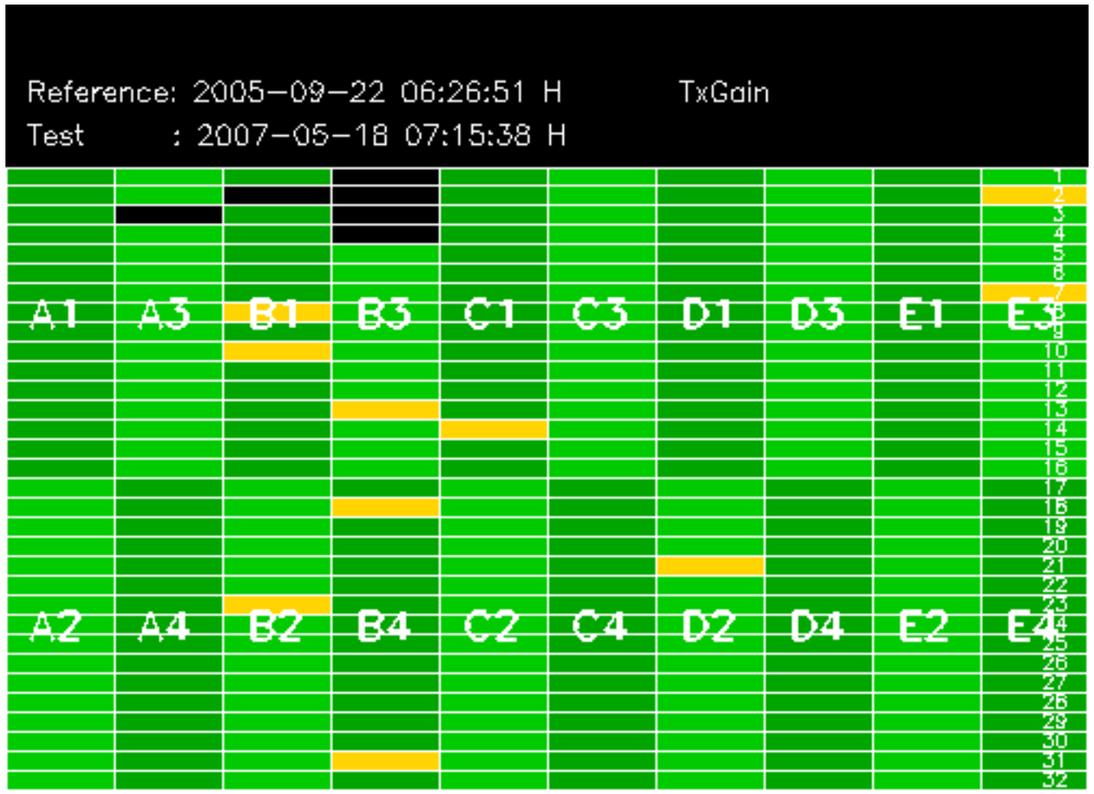

SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May

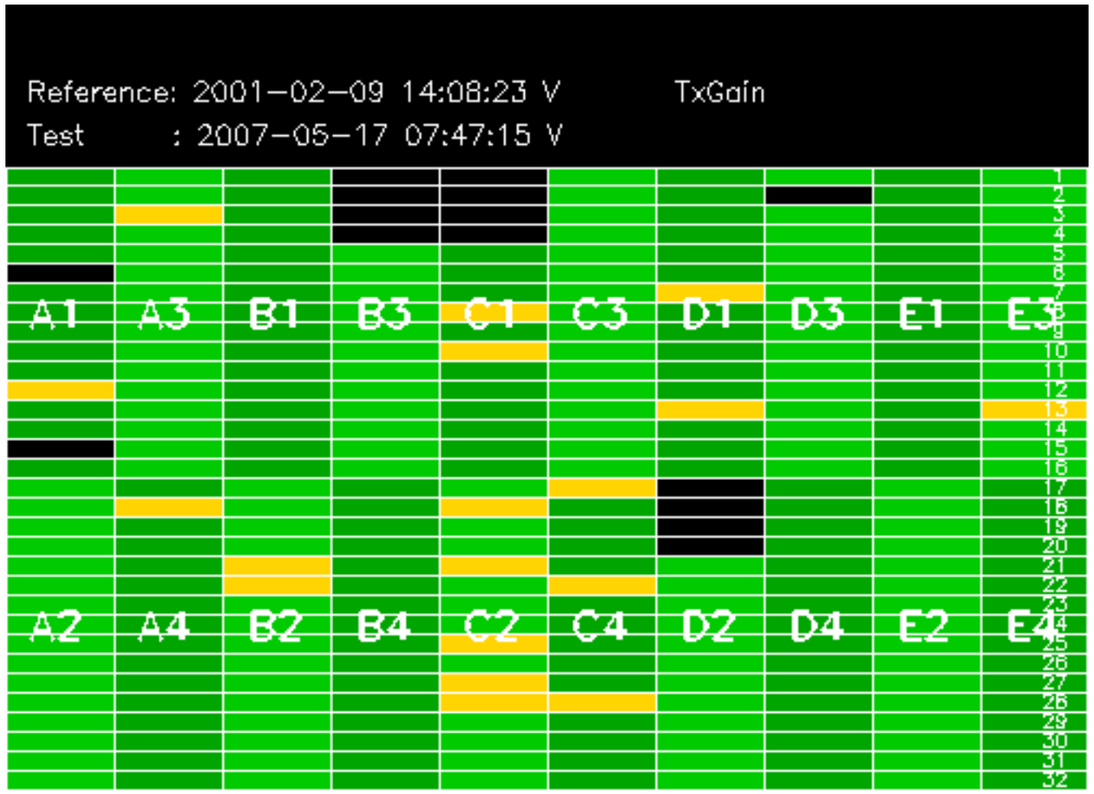

SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16−Apr
21−Apr
26−Apr
01−May
06−May
11−May
16−May


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


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


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-18 07:15:38 H
TxGain
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 : 2007-05-18 07:15:38 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-05-17 07:47:15 V
TxGain
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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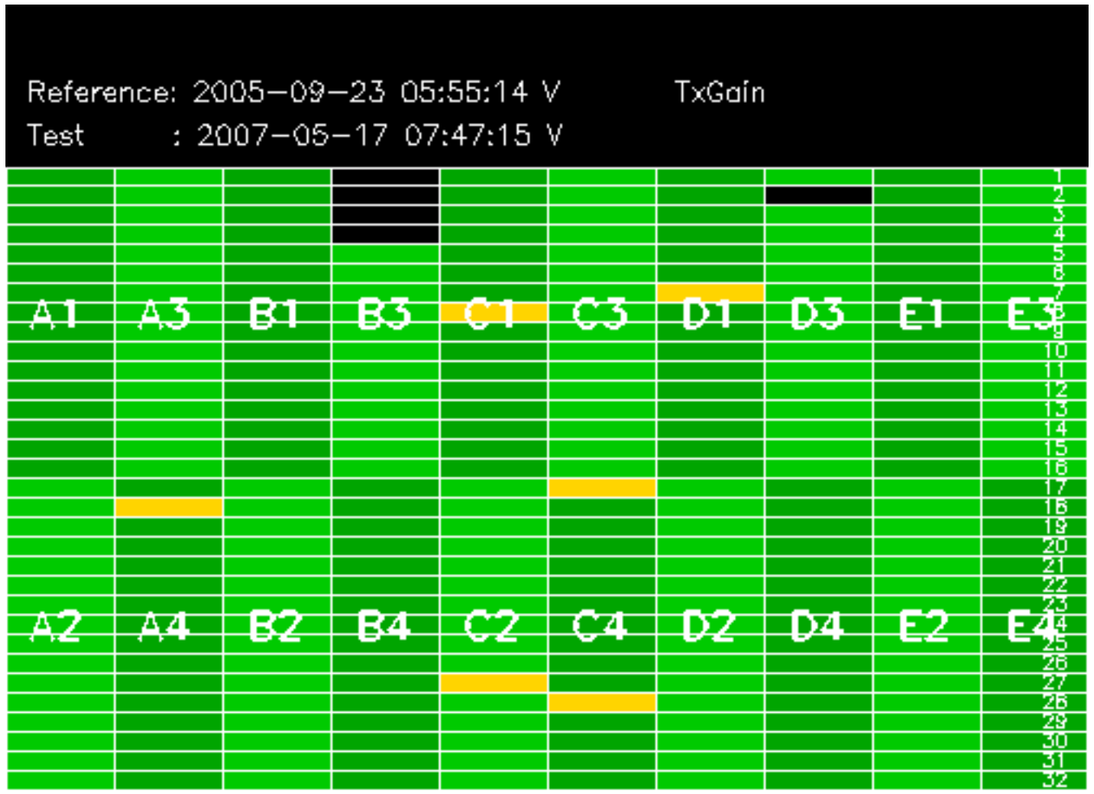
Reference: 2005-09-23 05:55:14 V
Test : 2007-05-17 07:47:15 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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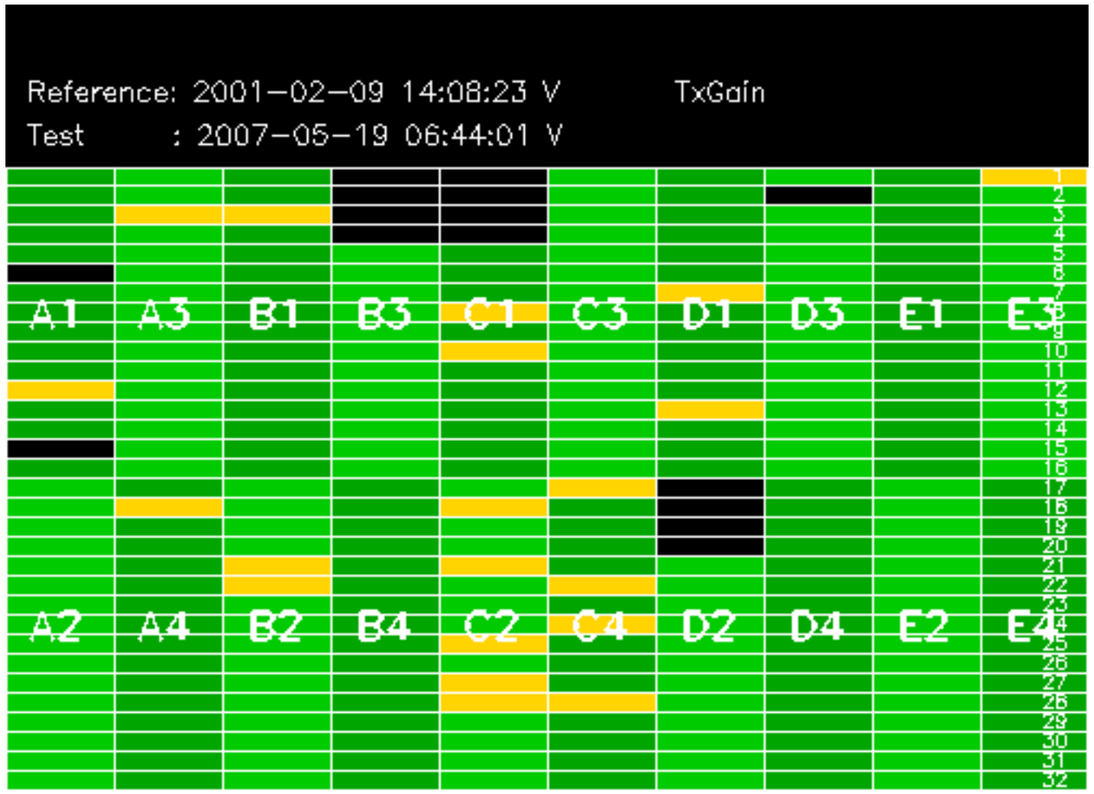
Reference: 2001-02-09 14:08:23 V
Test : 2007-05-19 06:44:01 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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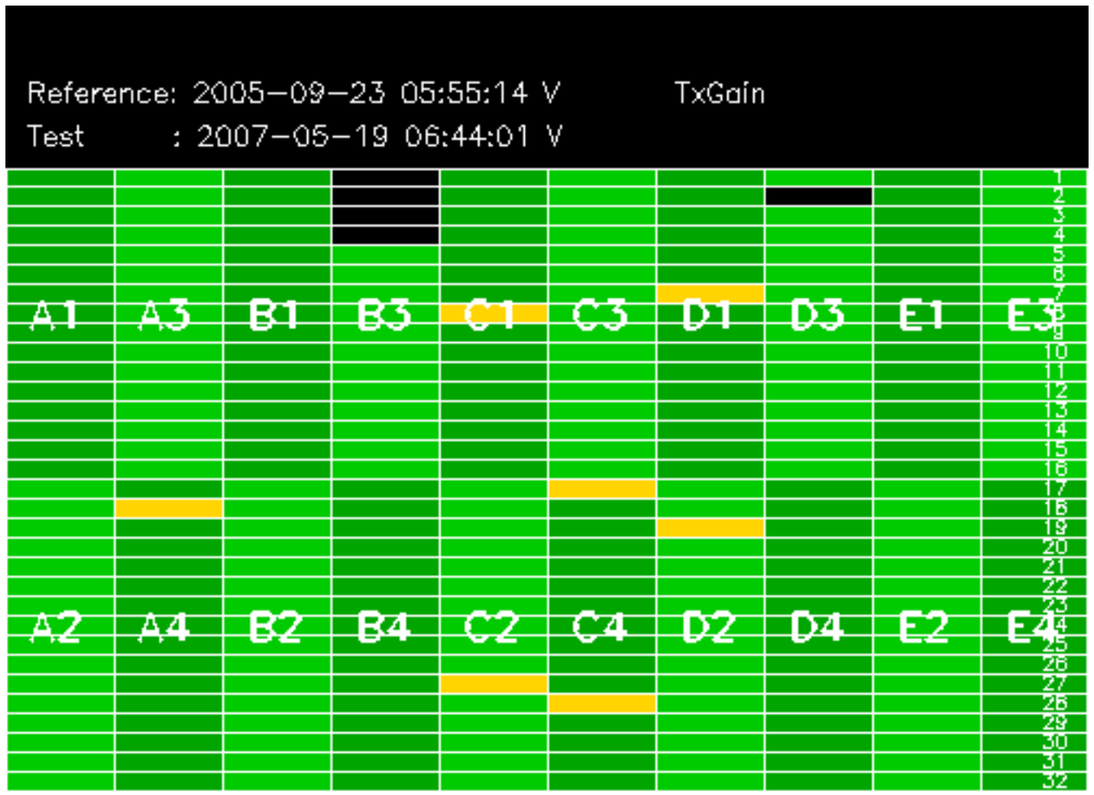
Reference: 2005-09-23 05:55:14 V
Test : 2007-05-19 06:44:01 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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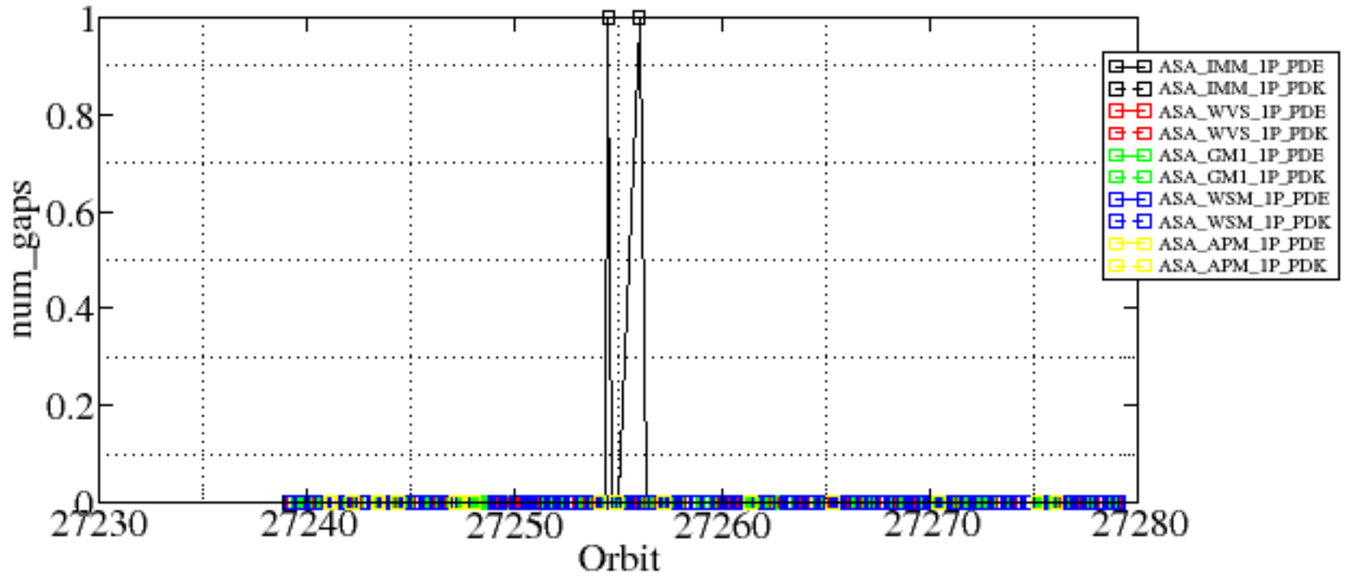
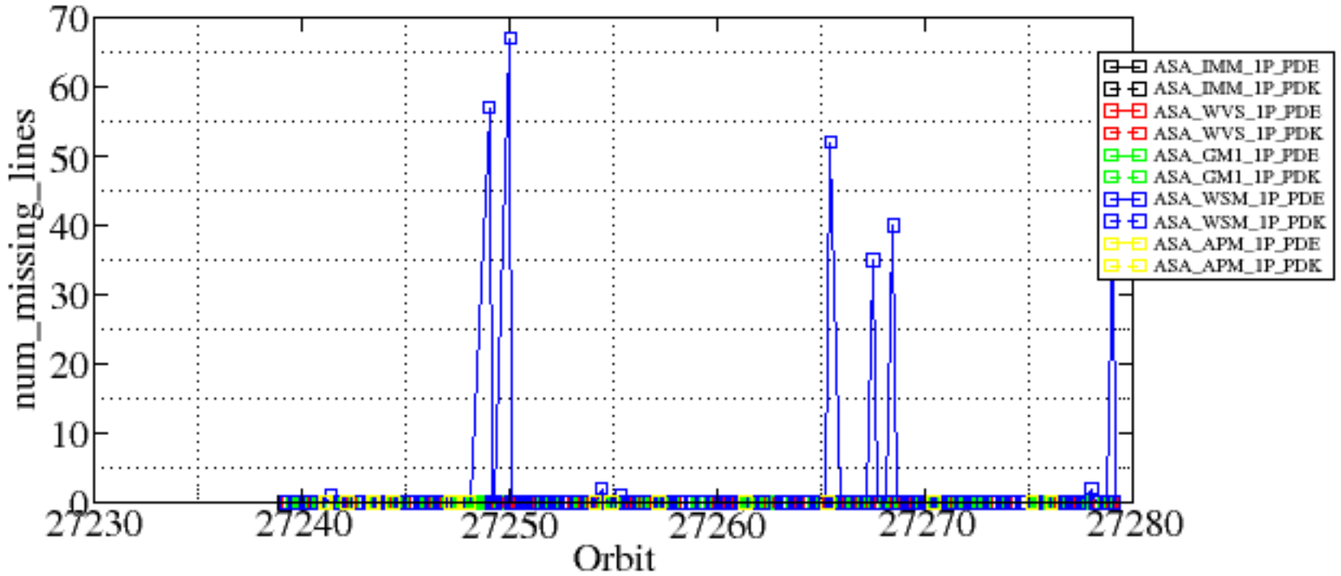
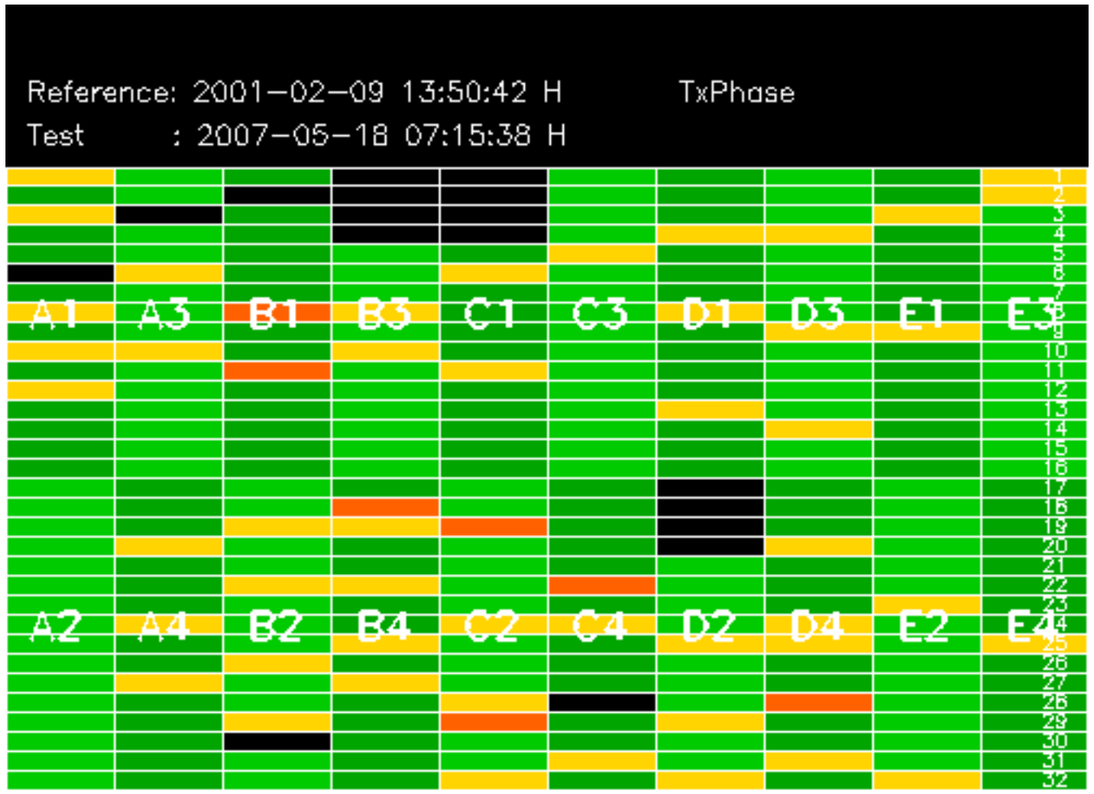
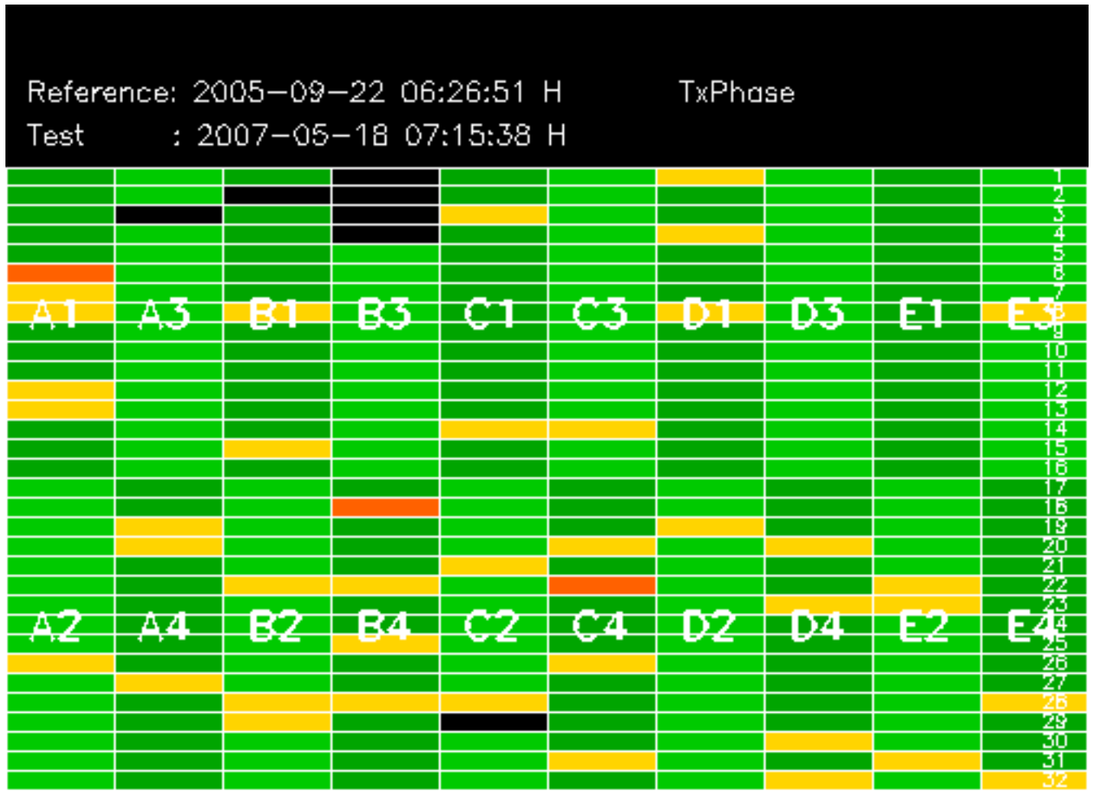
Summary of analysis for the last 3 days 2007051[789]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

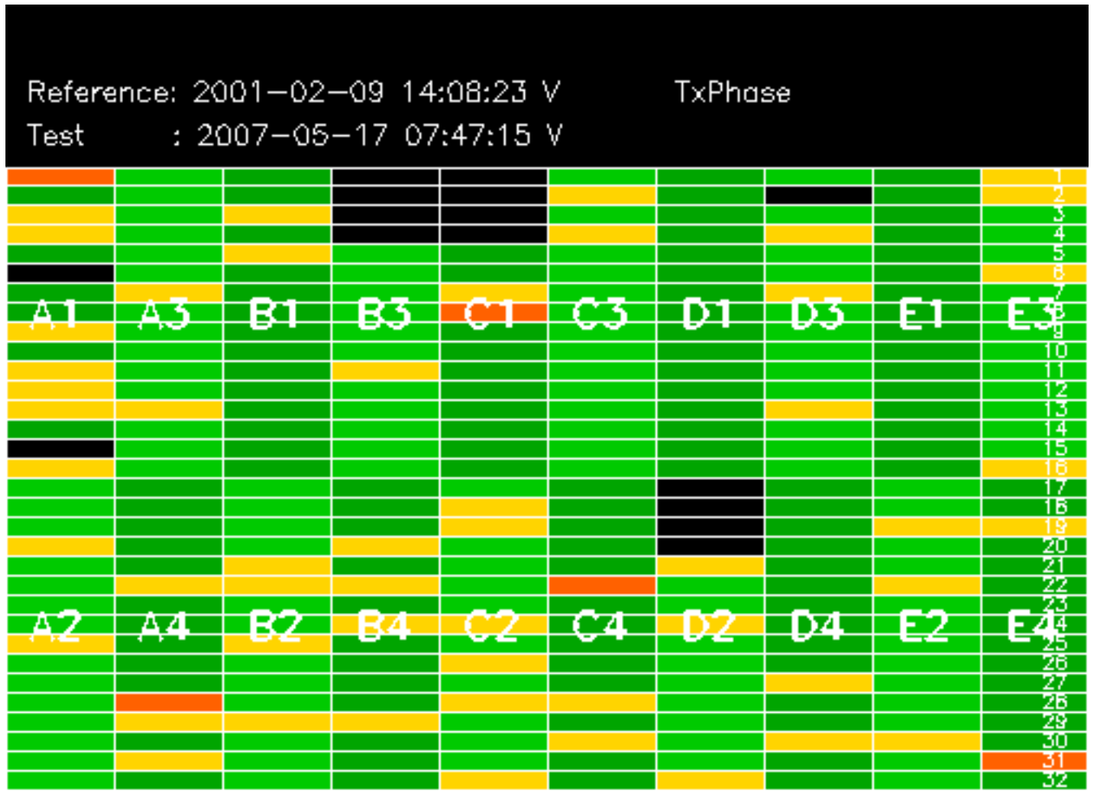
Filename	num_gaps	num_missing_lines
ASA_IMM_1PNPDE20070518_015652_000000362058_00146_27254_0357.N1	1	0
ASA_IMM_1PNPDE20070518_042631_000000762058_00147_27255_0576.N1	1	0
ASA_WSM_1PNPDE20070517_035646_000001282058_00133_27241_9322.N1	0	1
ASA_WSM_1PNPDE20070517_164501_000000852058_00141_27249_9765.N1	0	57
ASA_WSM_1PNPDE20070517_182820_000000852058_00142_27250_9815.N1	0	67
ASA_WSM_1PNPDE20070518_015027_000000852058_00146_27254_0388.N1	0	2
ASA_WSM_1PNPDE20070518_032509_000000672058_00147_27255_0392.N1	0	1
ASA_WSM_1PNPDE20070518_032509_000001472058_00147_27255_0992.N1	0	1
ASA_WSM_1PNPDE20070518_201722_000000672058_00157_27265_1371.N1	0	52
ASA_WSM_1PNPDE20070518_234323_000002442058_00159_27267_1774.N1	0	35
ASA_WSM_1PNPDE20070519_012058_000000852058_00160_27268_1922.N1	0	40
ASA_WSM_1PNPDE20070519_172249_000001772058_00170_27278_2607.N1	0	2
ASA_WSM_1PNPDE20070519_190232_000000972058_00171_27279_2642.N1	0	41

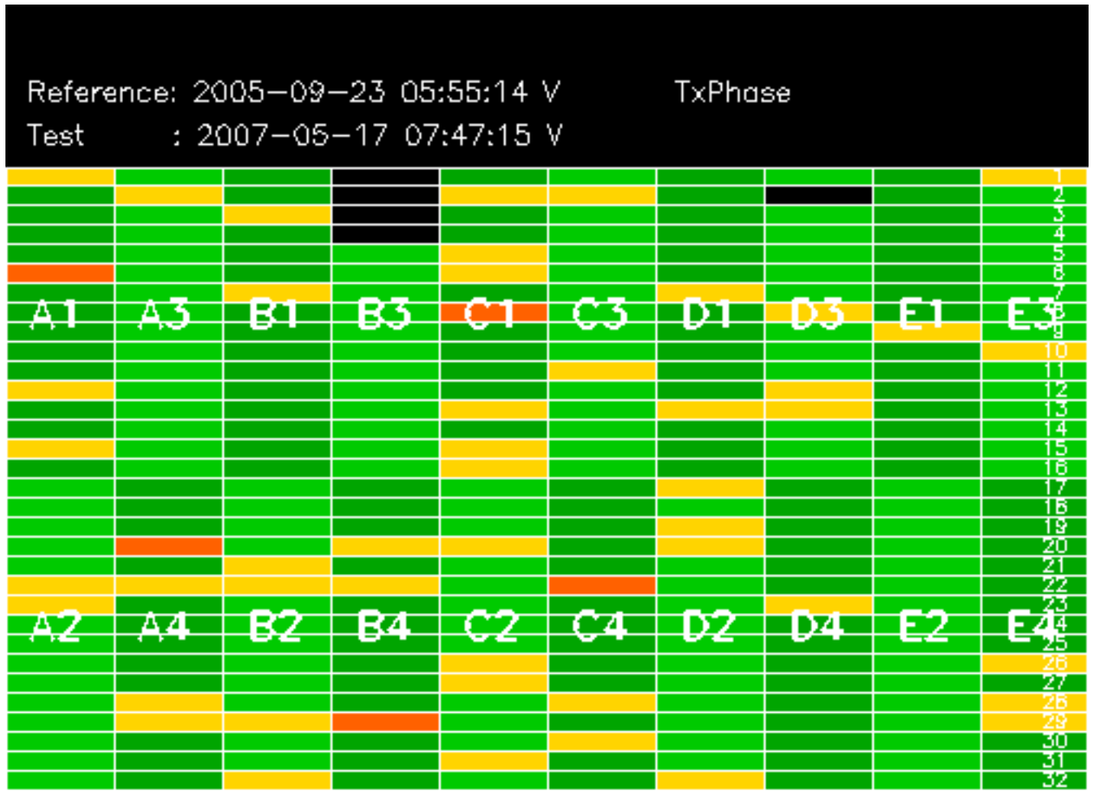

num_gaps
Orbit
1
0.8
0.6
0.4
0.2
0
27230
27240
27250
27260
27270
27280
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
70
60
50
40
30
20
10
0
27230
27240
27250
27260
27270
27280
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-05-18 07:15:38 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-05-18 07:15:38 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 : 2007-05-17 07:47:15 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-17 07:47:15 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
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21
22
23
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26
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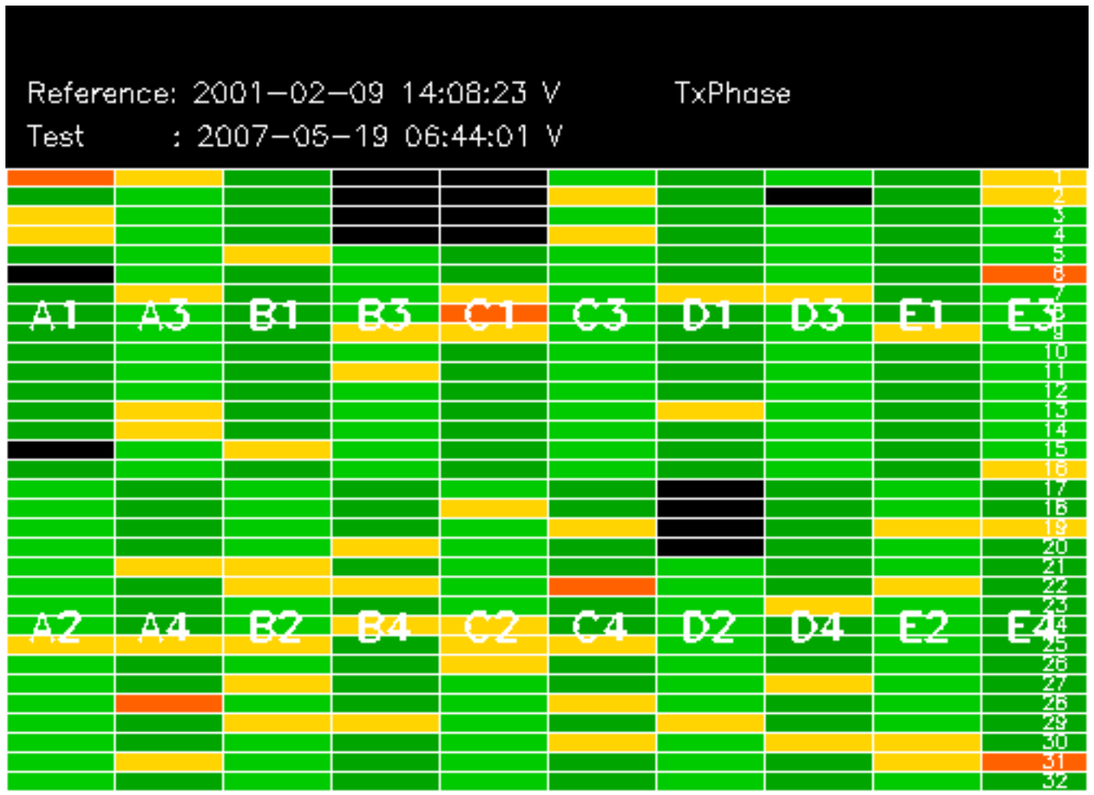
28
29
30
31
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-05-19 06:44:01 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
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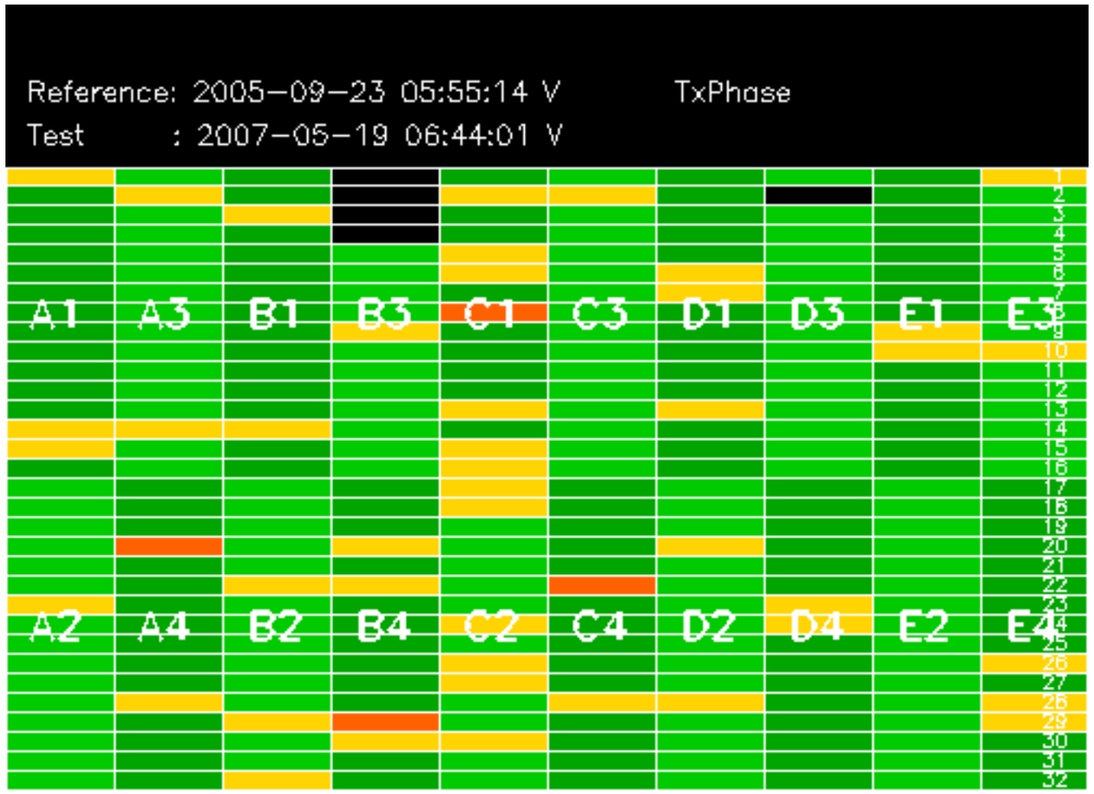
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-05-19 06:44:01 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
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9
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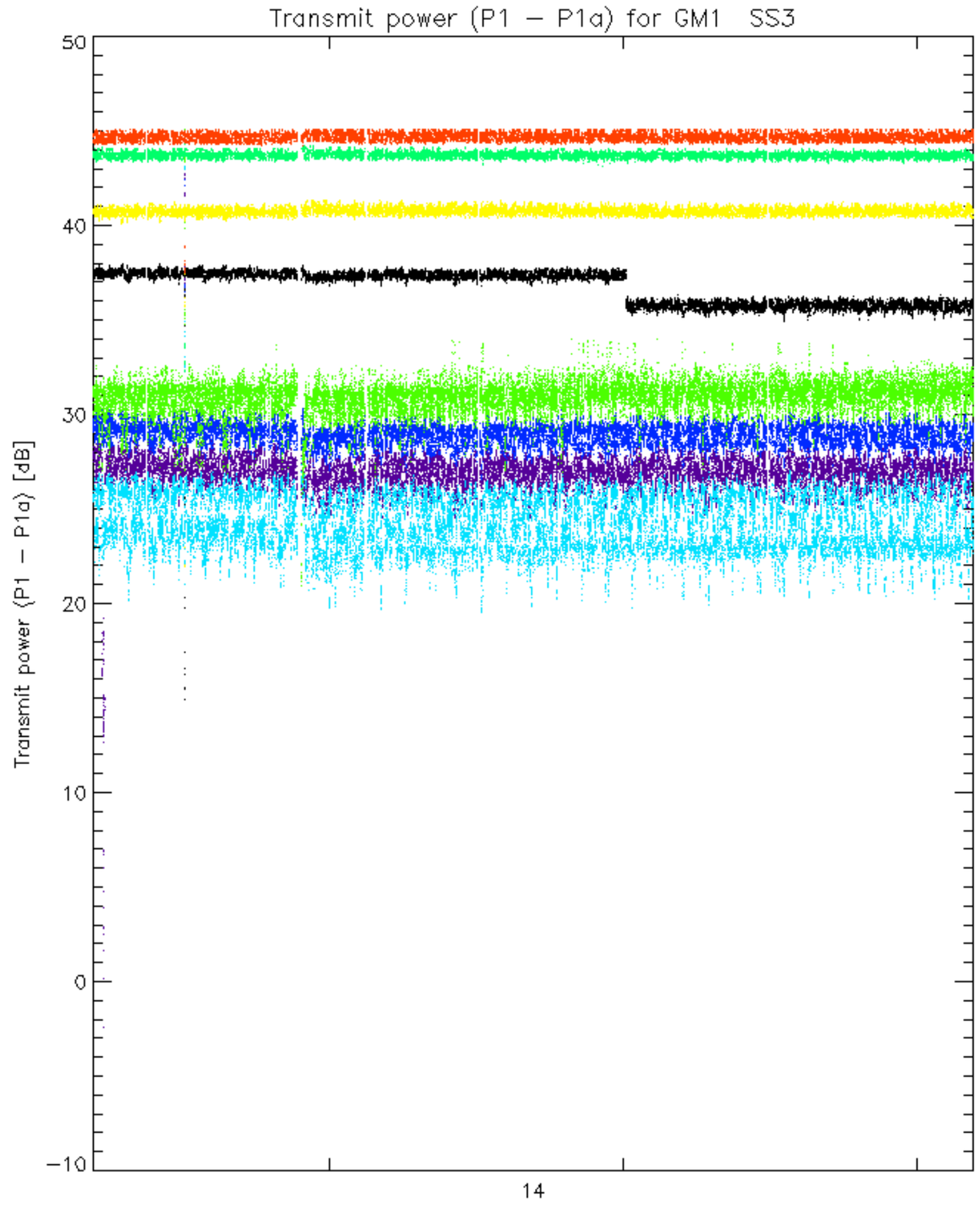
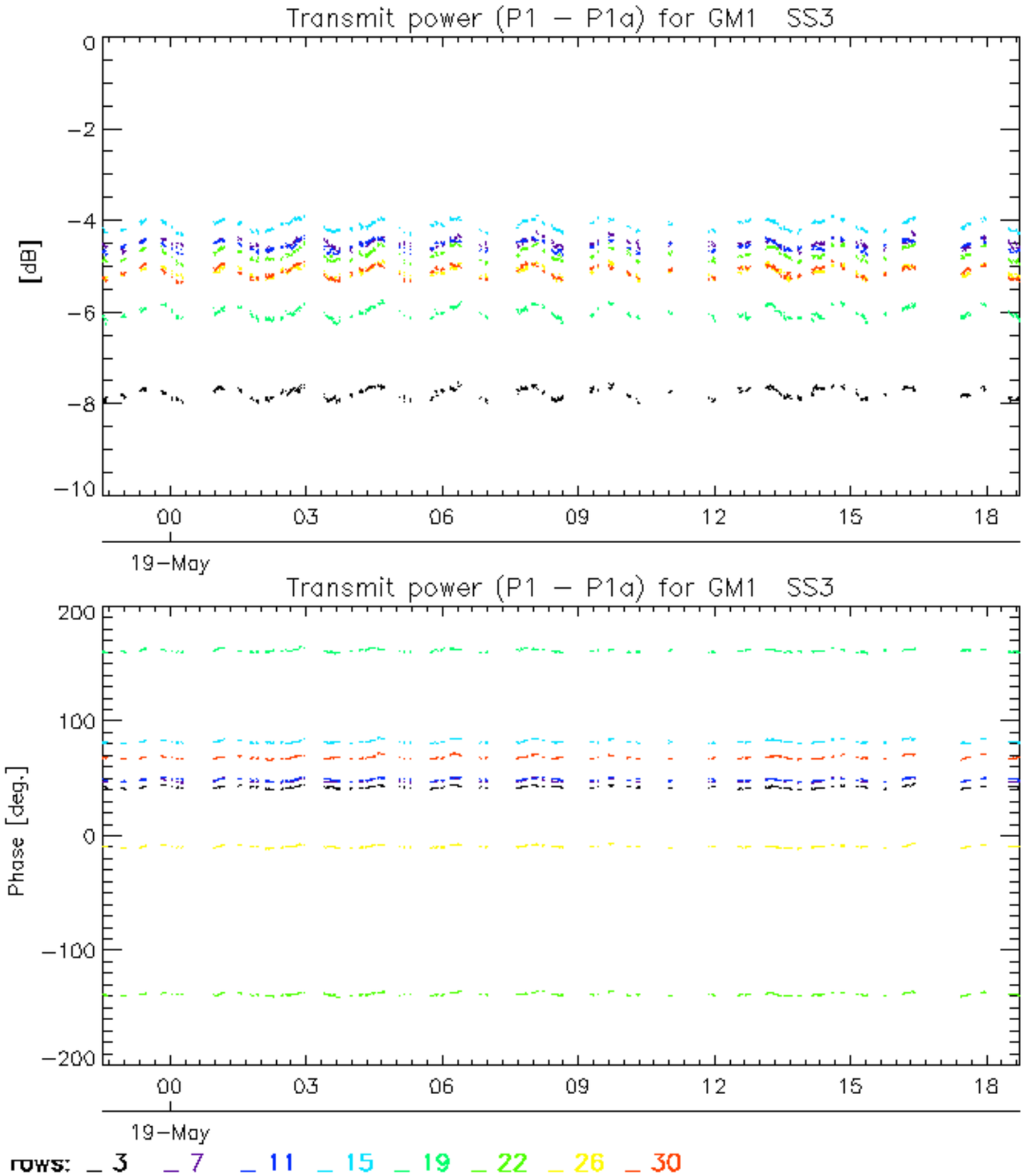
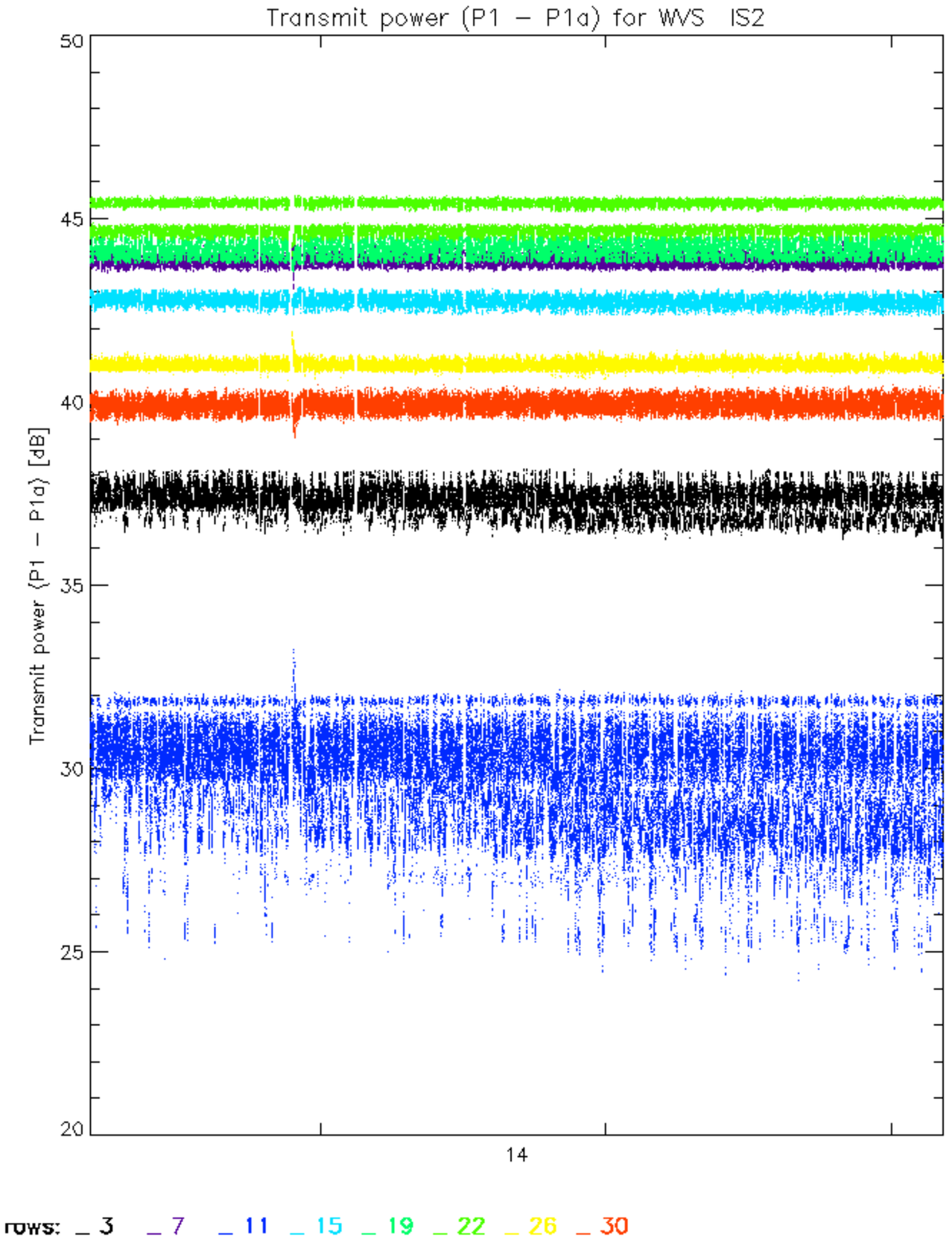
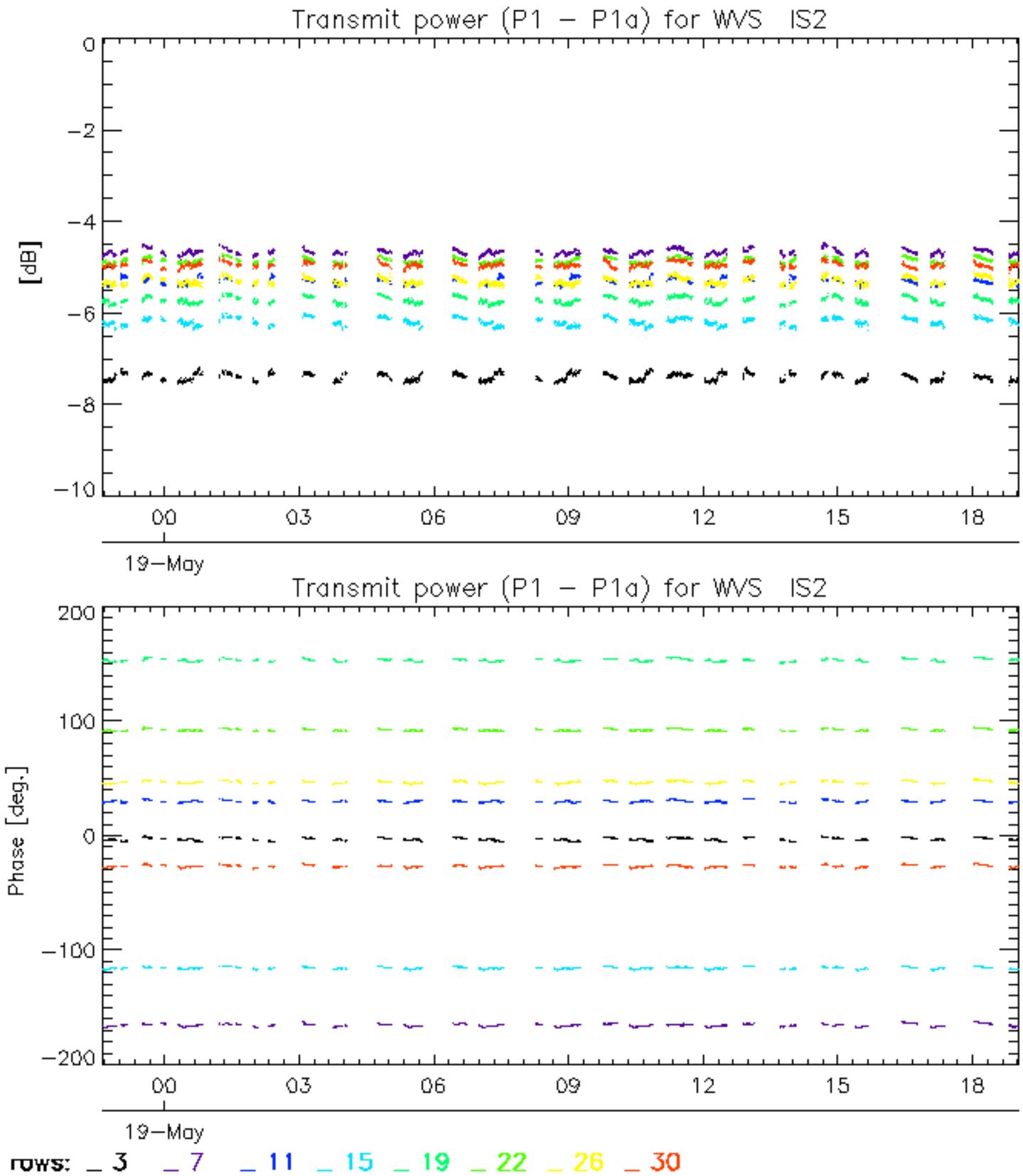

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
14
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
00
03
06
09
12
15
18
19−May
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
00
03
06
09
12
15
18
19−May
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
14
rows: 3 7 11 15 19 22 26 30


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

No unavailabilities during the reported period.