

PRELIMINARY REPORT OF 040229

ATTENTION: This report is automatically generated no comments are provided on data analysis

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1 - Introduction

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

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Browse Visual Inspection

2.3 - Data Analysis

-Stable wave internal calibration pulses gain and phase.

- Stable raw data statistics.
- Nominal Doppler behavior.

3 - Module Stepping Mode

The MS mode provides an internal health check on an individual module basis.
 The purpose of this mode is to identify to identify any malfunctionning modules and
 to identify modules for which calibration offsets are to be applied.
 No anomalies observed on available MS products:

Polarisation	Start Time
V	20040227 201408
H	20040227 201248

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.62389	-22.3913	-8.13202
	stdev	0.00569684	0.0707024	0.00261701

24	mean	-5.08075	-21.0564	-8.13202
	stdev	0.0139481	0.0723941	0.00261701

☒

4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.64325	-22.4019	-8.13294
	stdev	0.00653432	0.0774629	0.00304574
24	mean	-5.10619	-21.0720	-8.13294
	stdev	0.0145928	0.0744860	0.00304574

☒

4.3 - cal pulses monitoring (all rows)

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5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000445939
	stdev	2.63508e-07
MEAN Q	mean	0.000420296
	stdev	3.03246e-07

☒

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.122464
	stdev	0.00126155

STDEV Q	mean	0.122689
	stdev	0.00127518

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5.3 - Gain imbalance I/Q

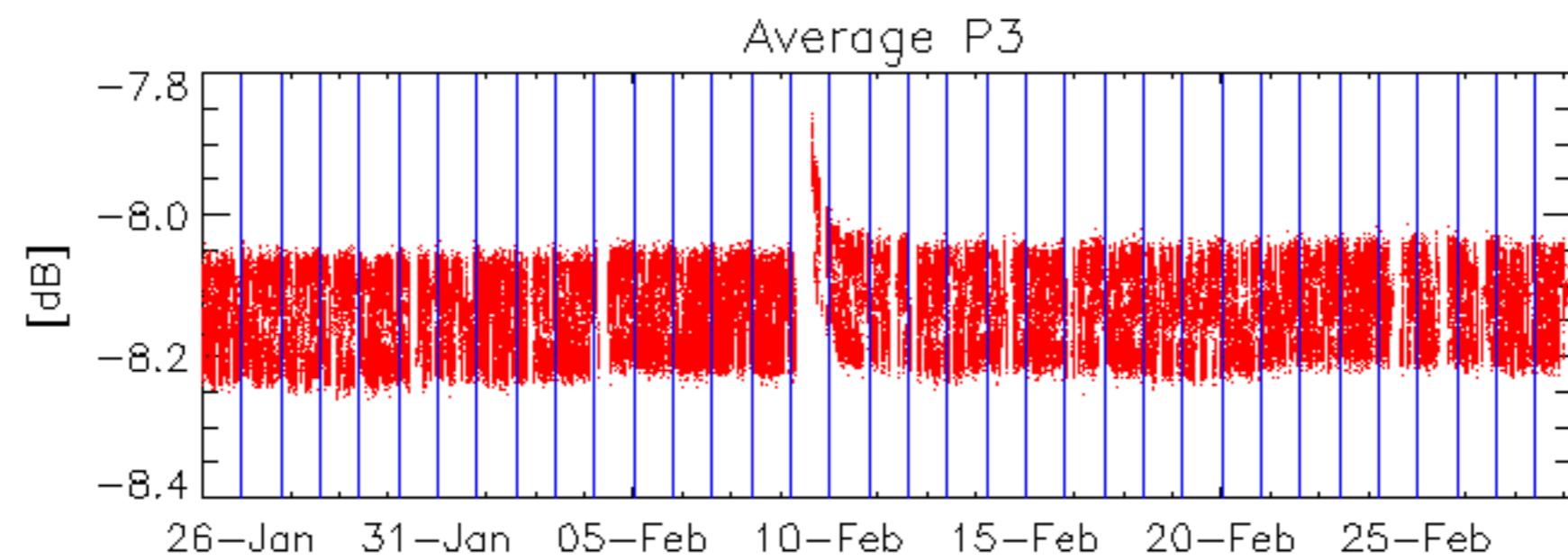
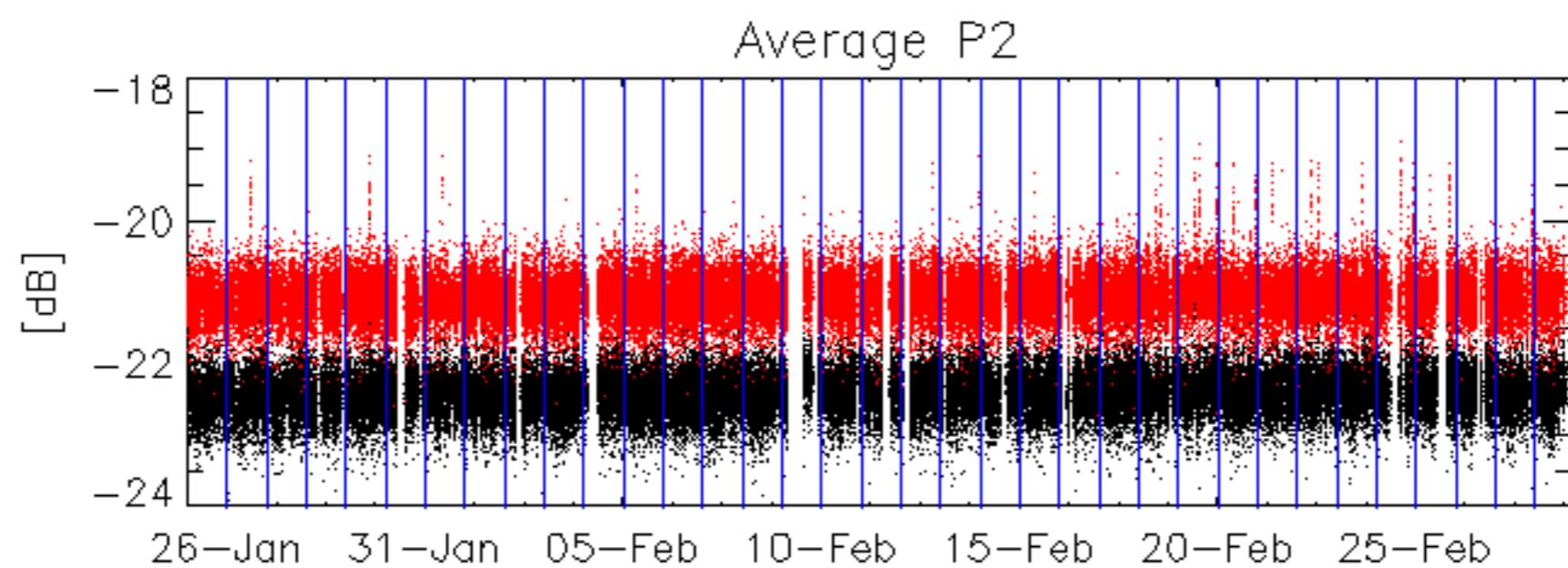
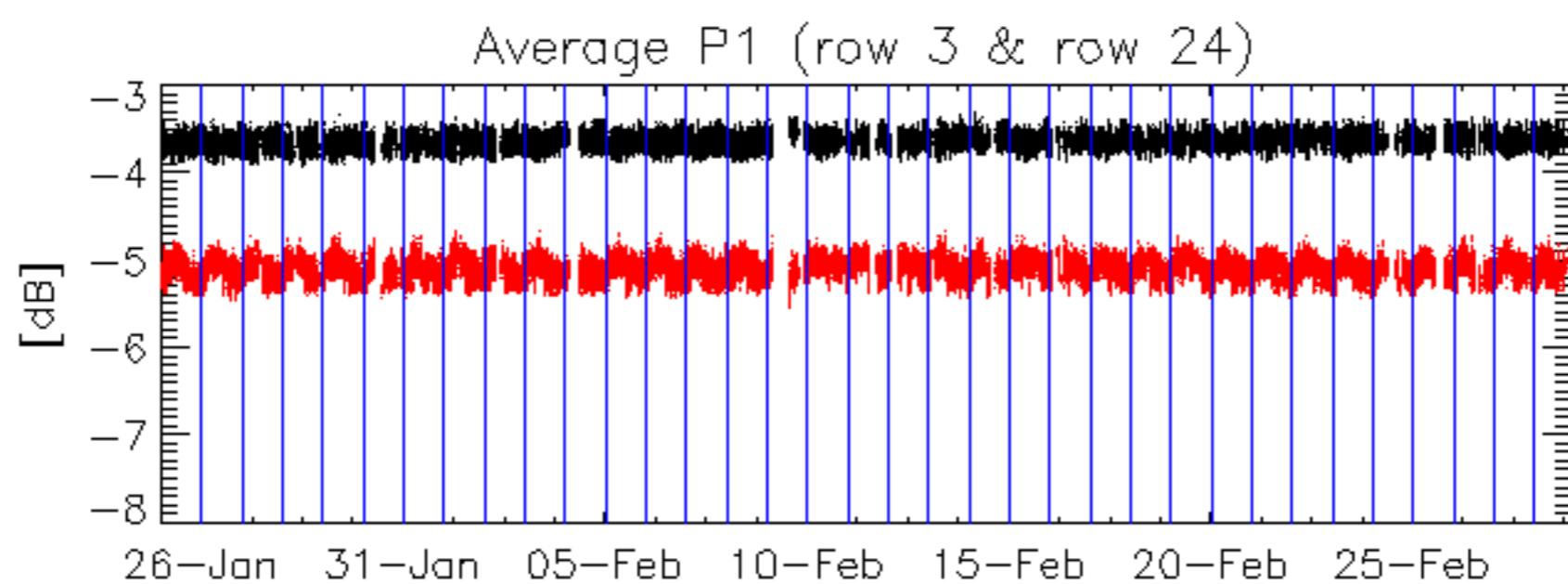
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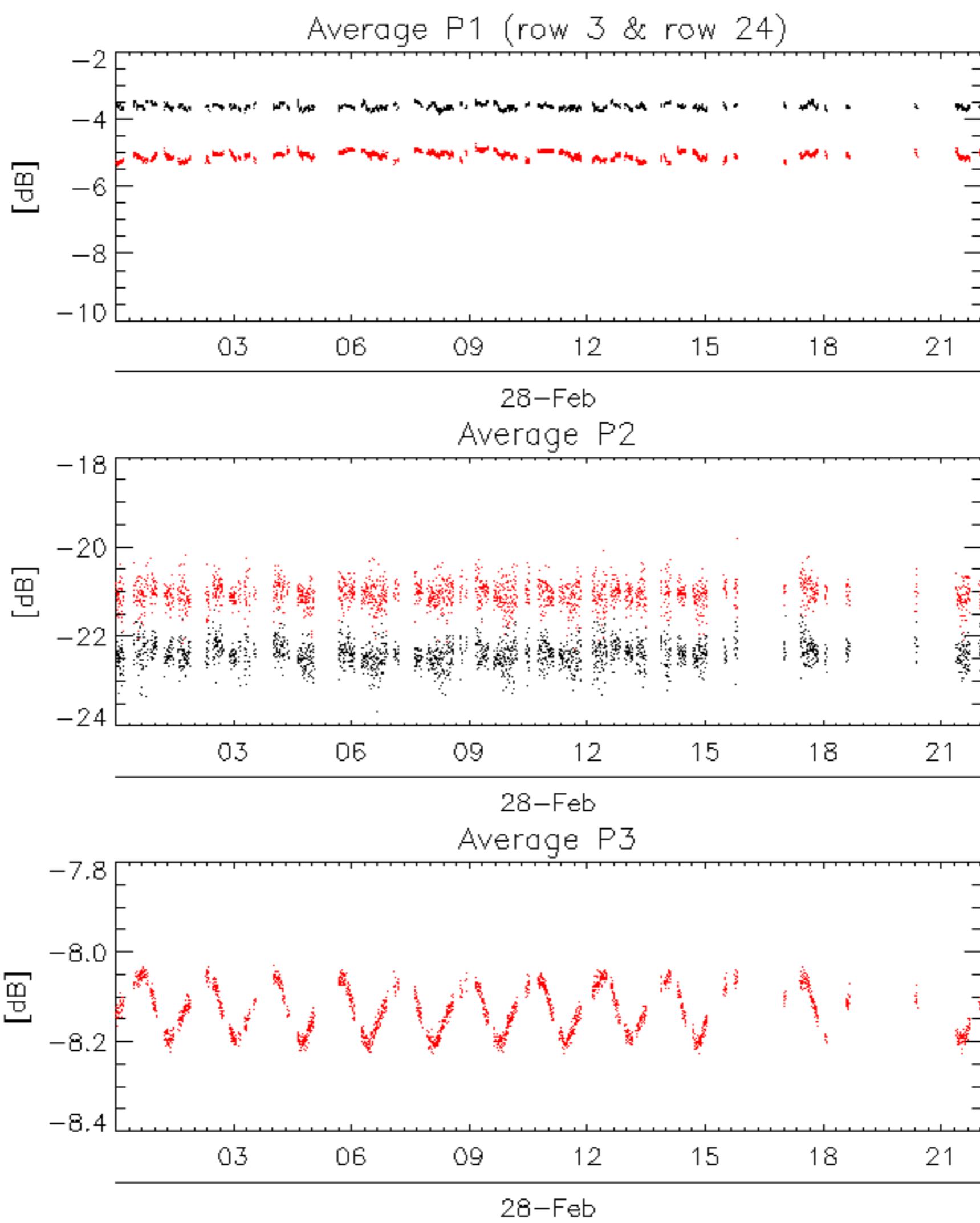
6 - Wave Doppler Analysis

Preliminary report. The data is not yet controled

6.1 - Doppler evolution versus ANX

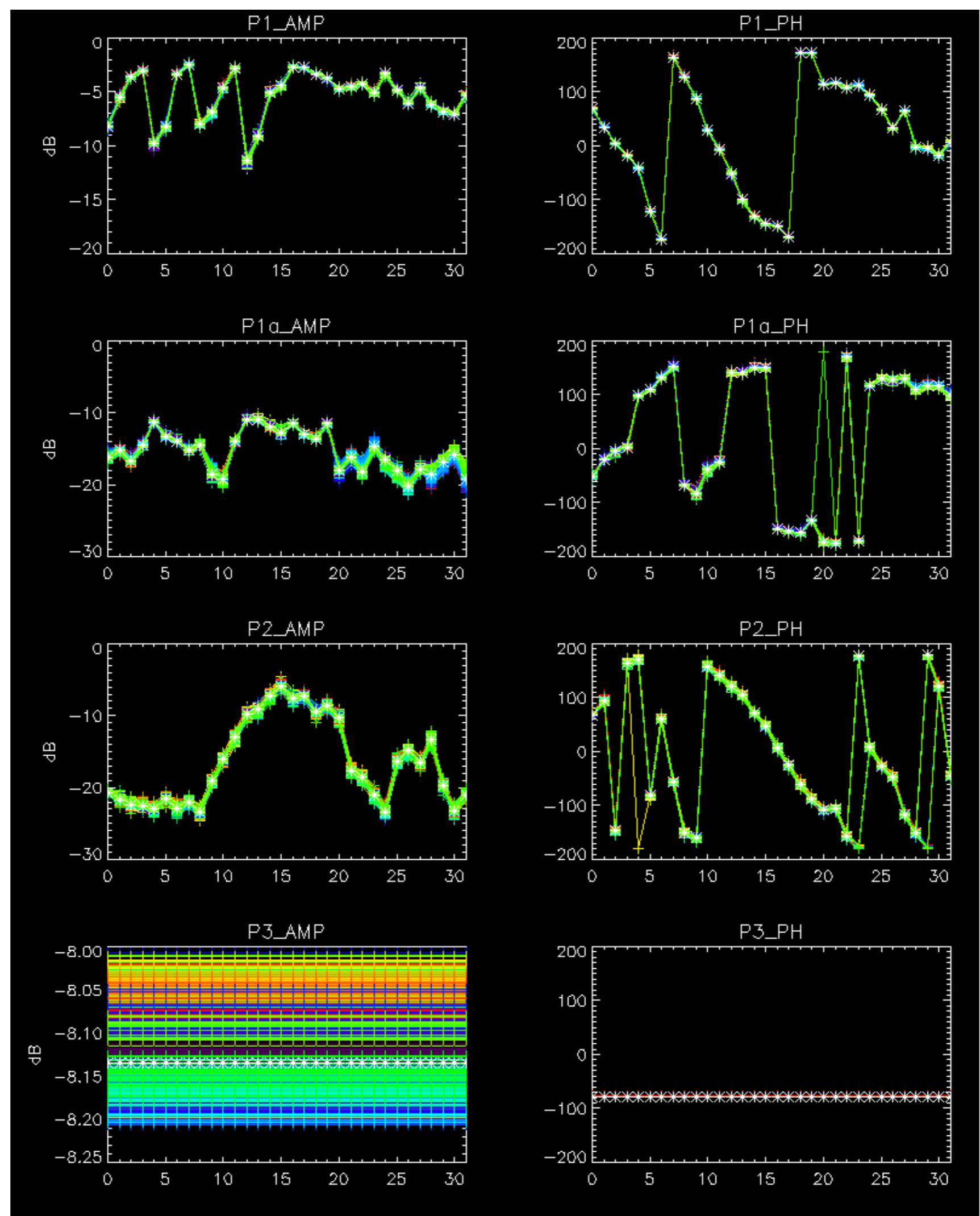
Evolution Doppler error versus ANX
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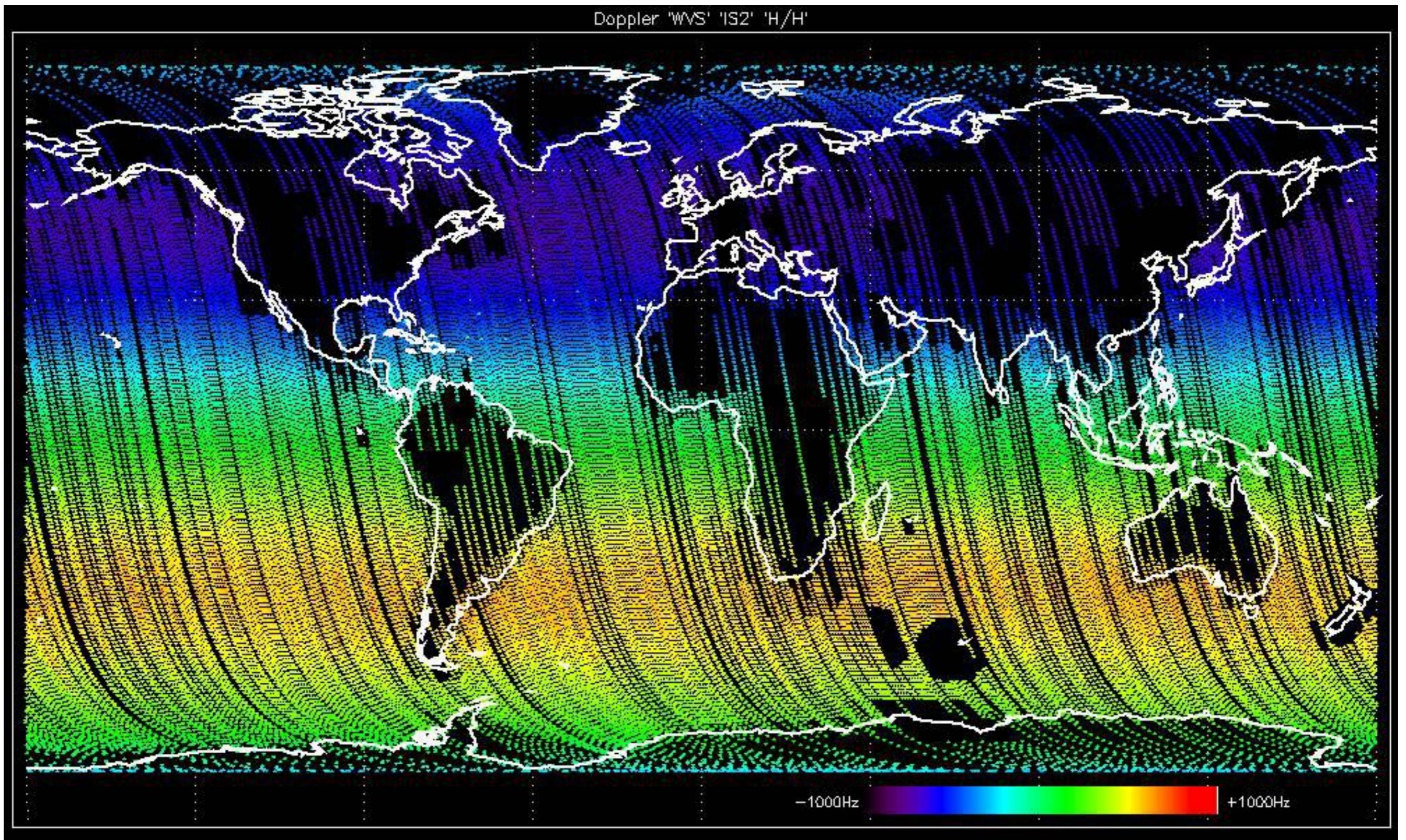
No anomalies observed.

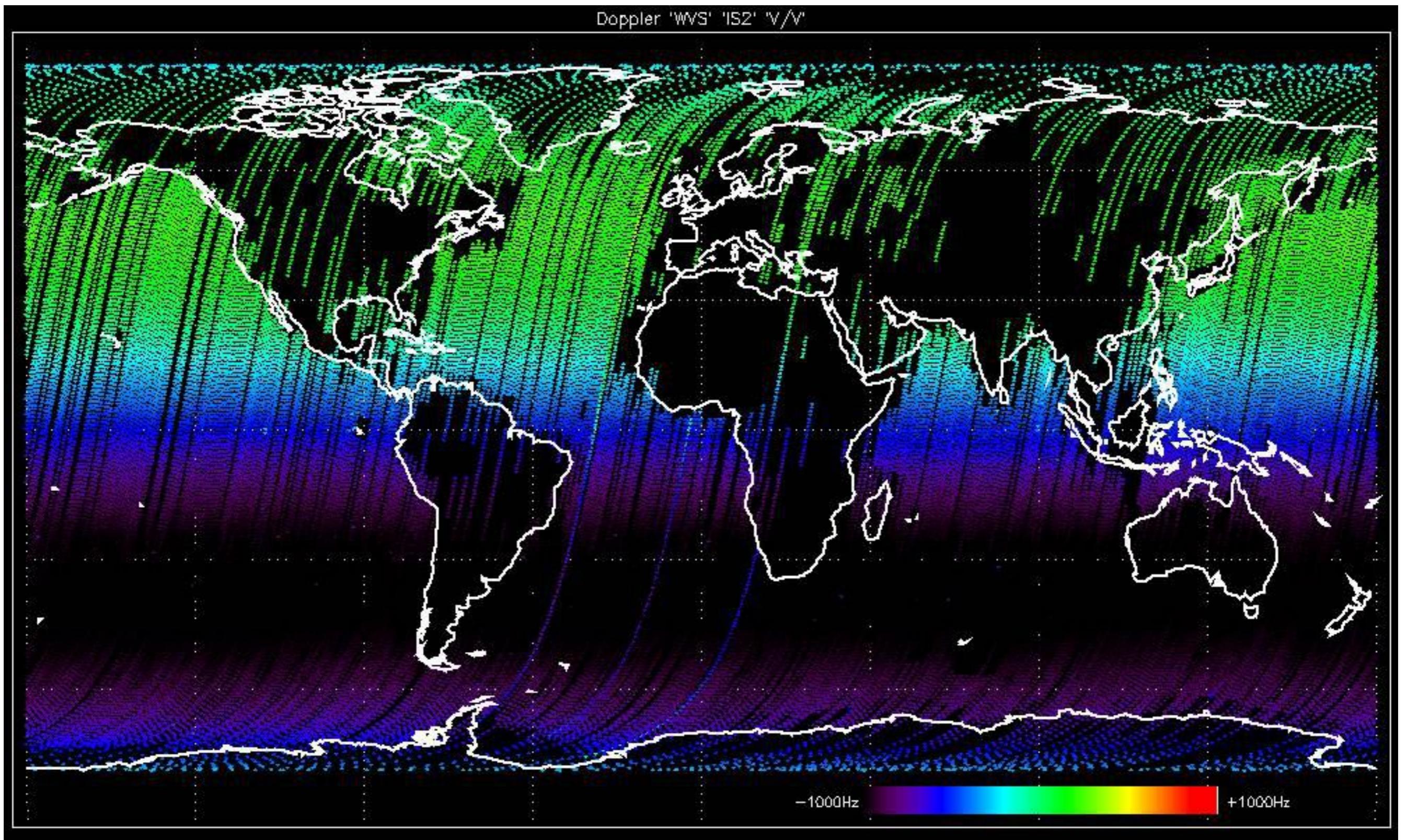


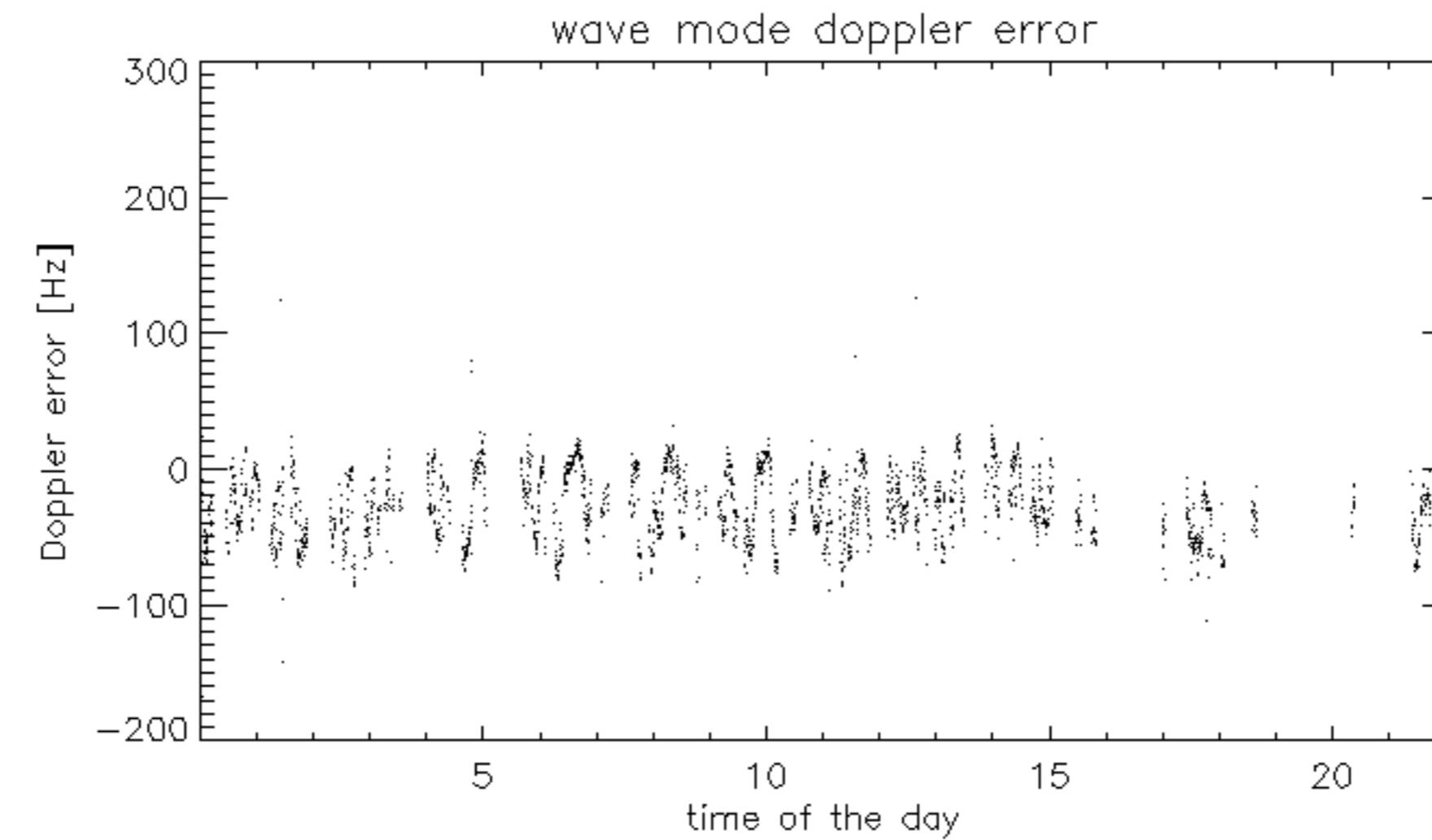
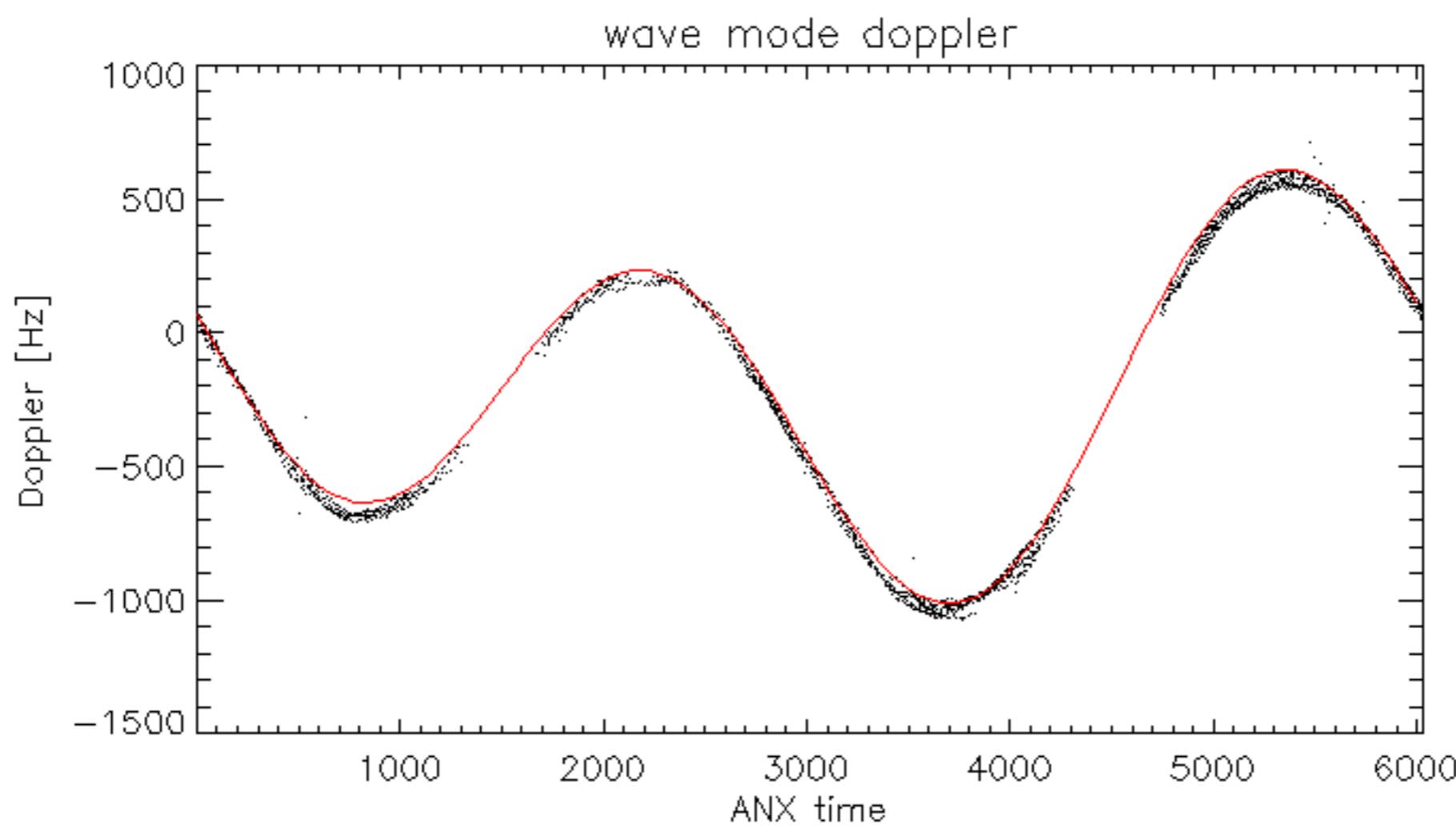


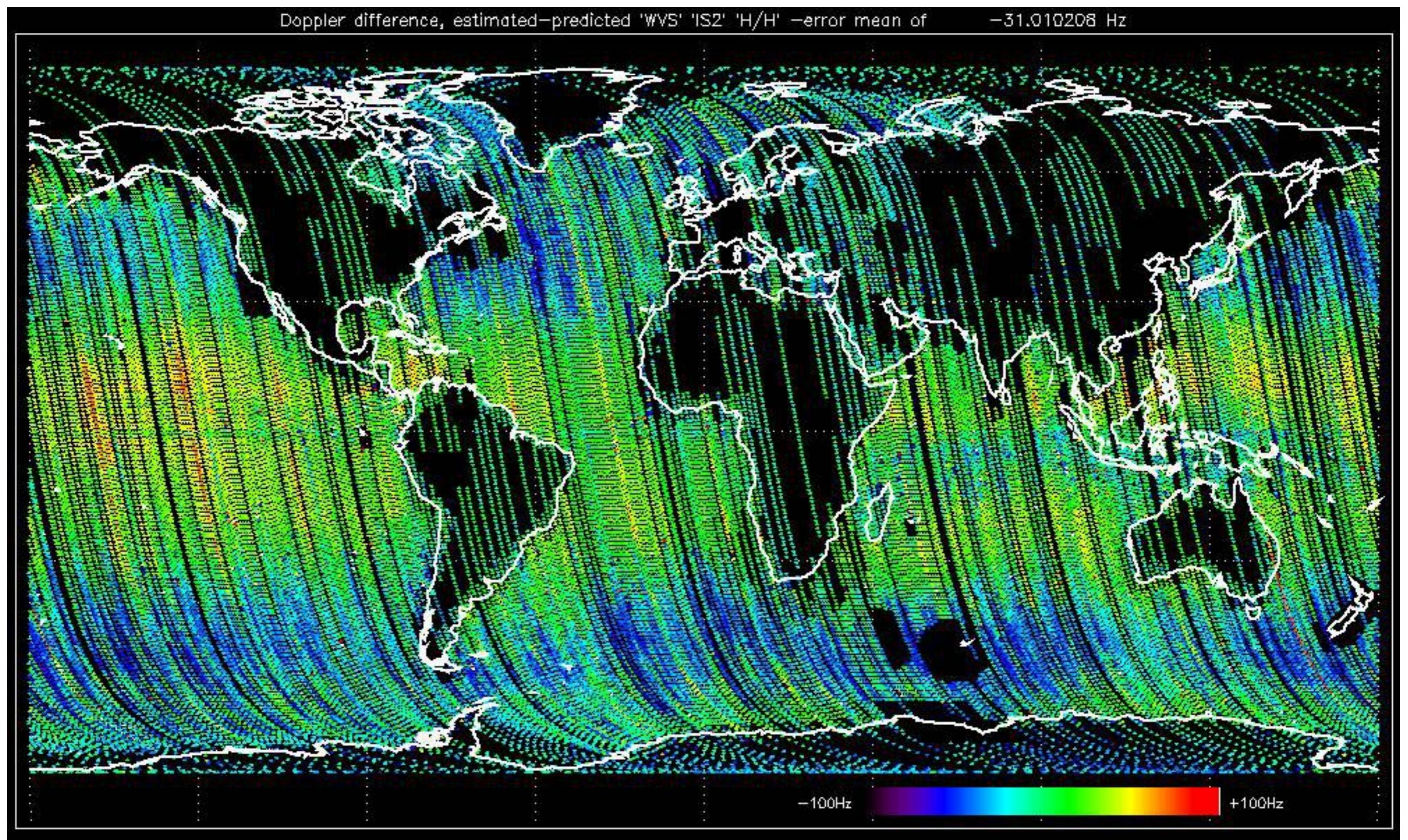
- Stable wave internal calibration pulses gain and phase.
- Stable raw data statistics.
- Nominal Doppler behavior.

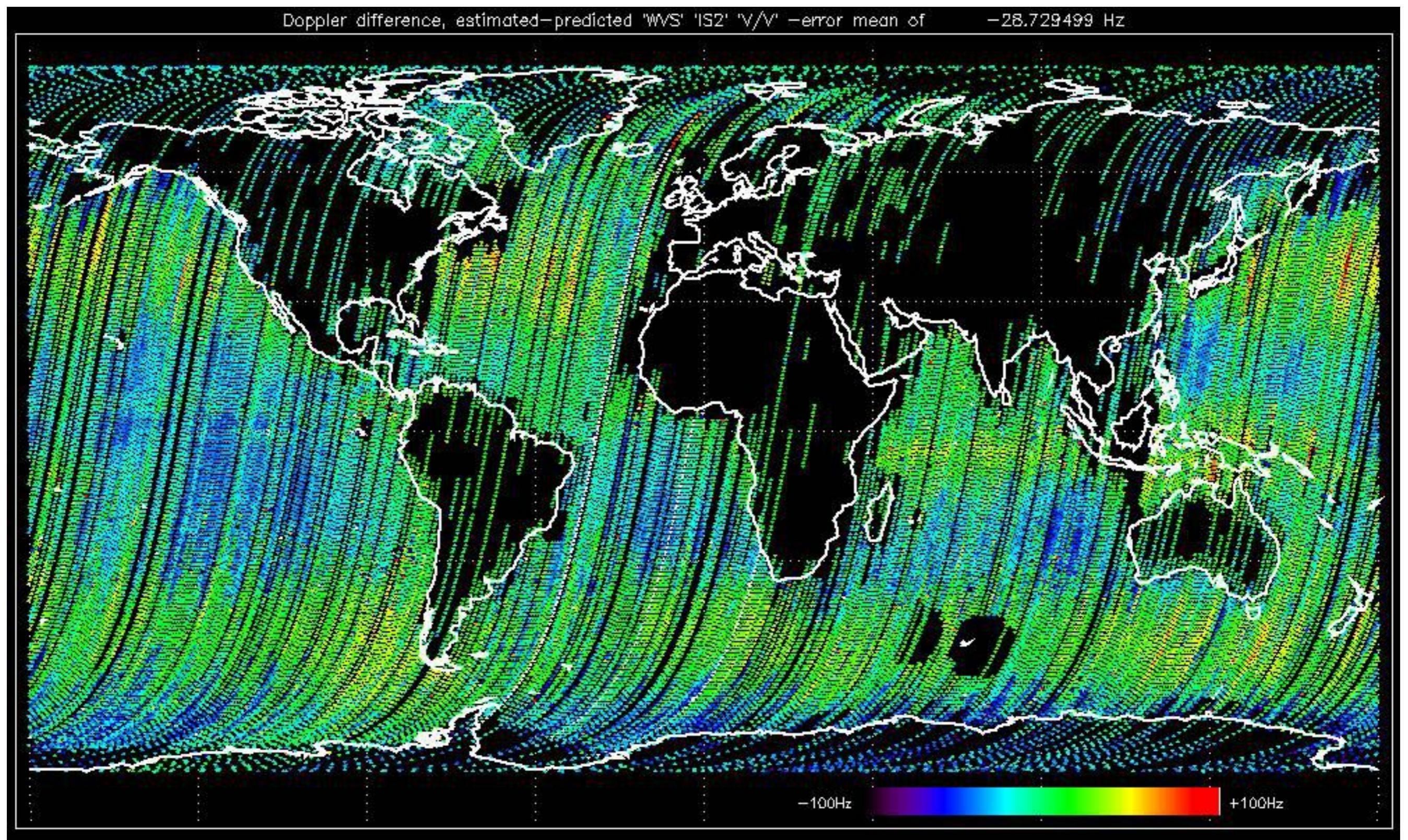








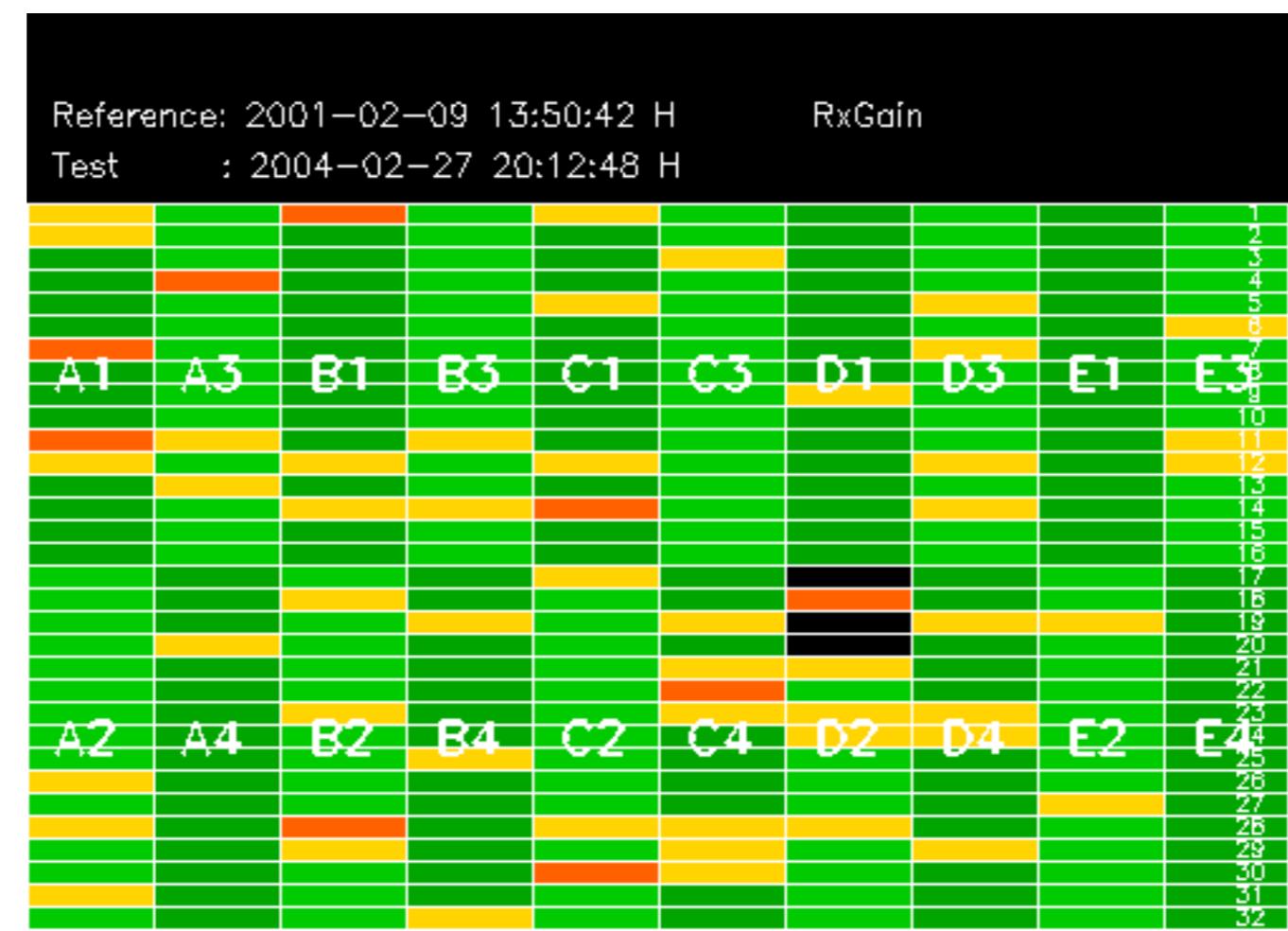




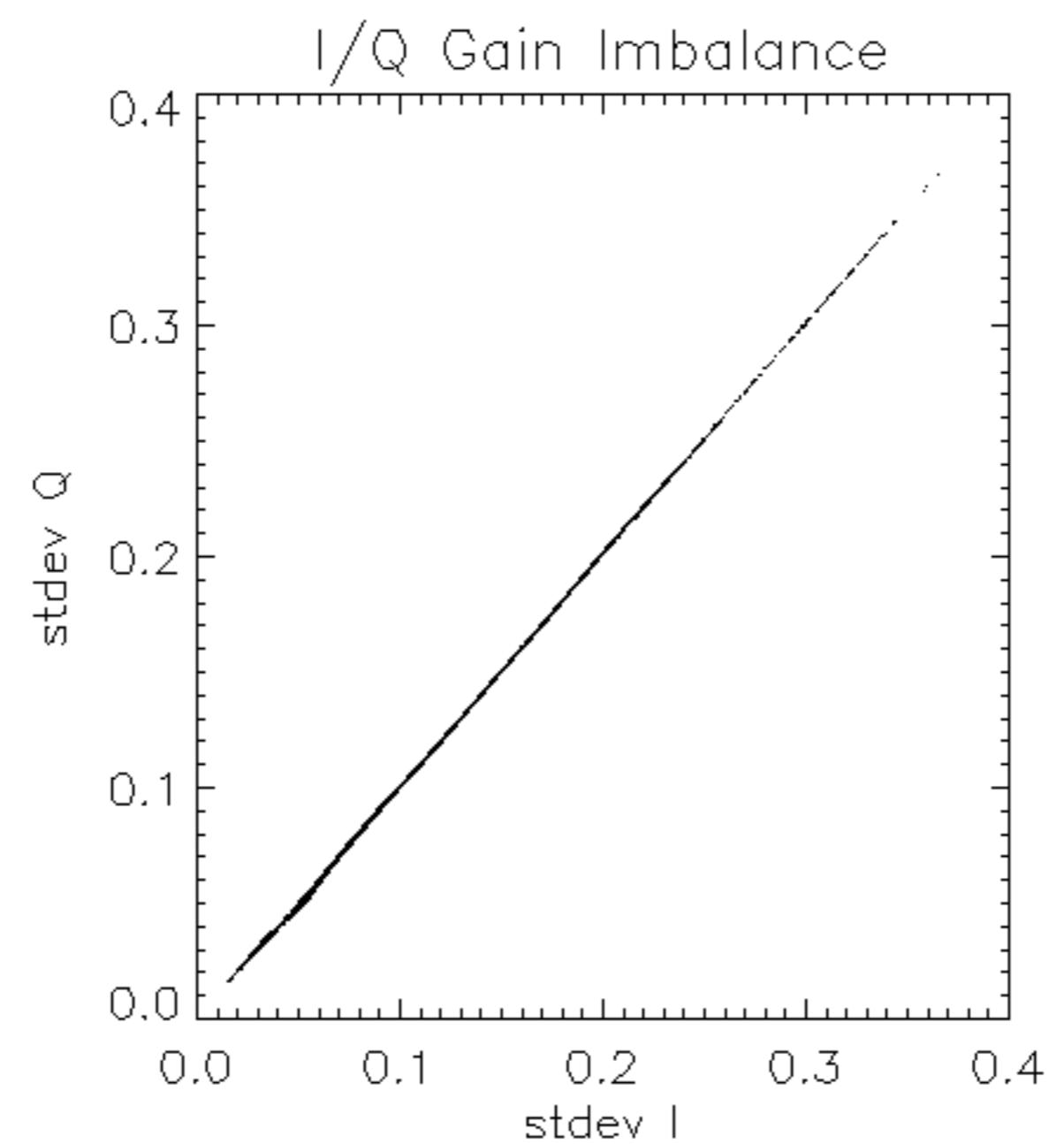
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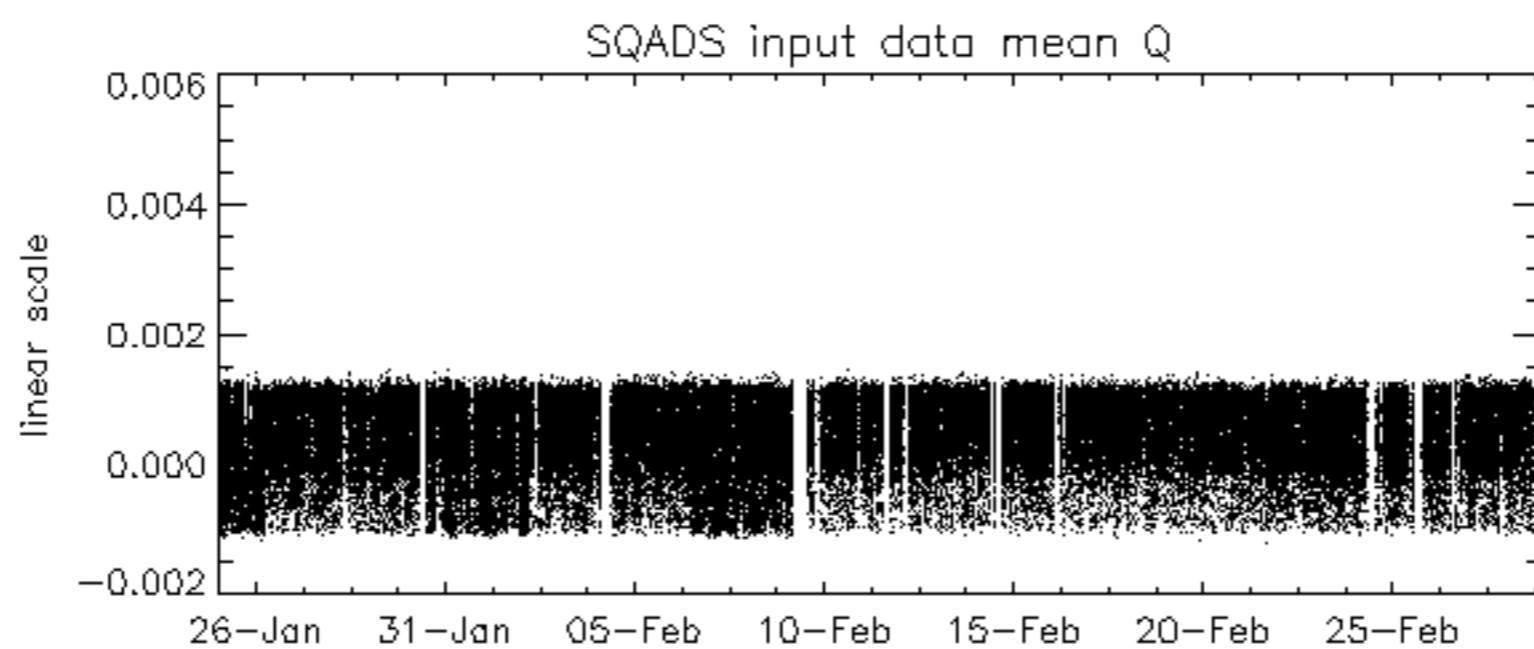
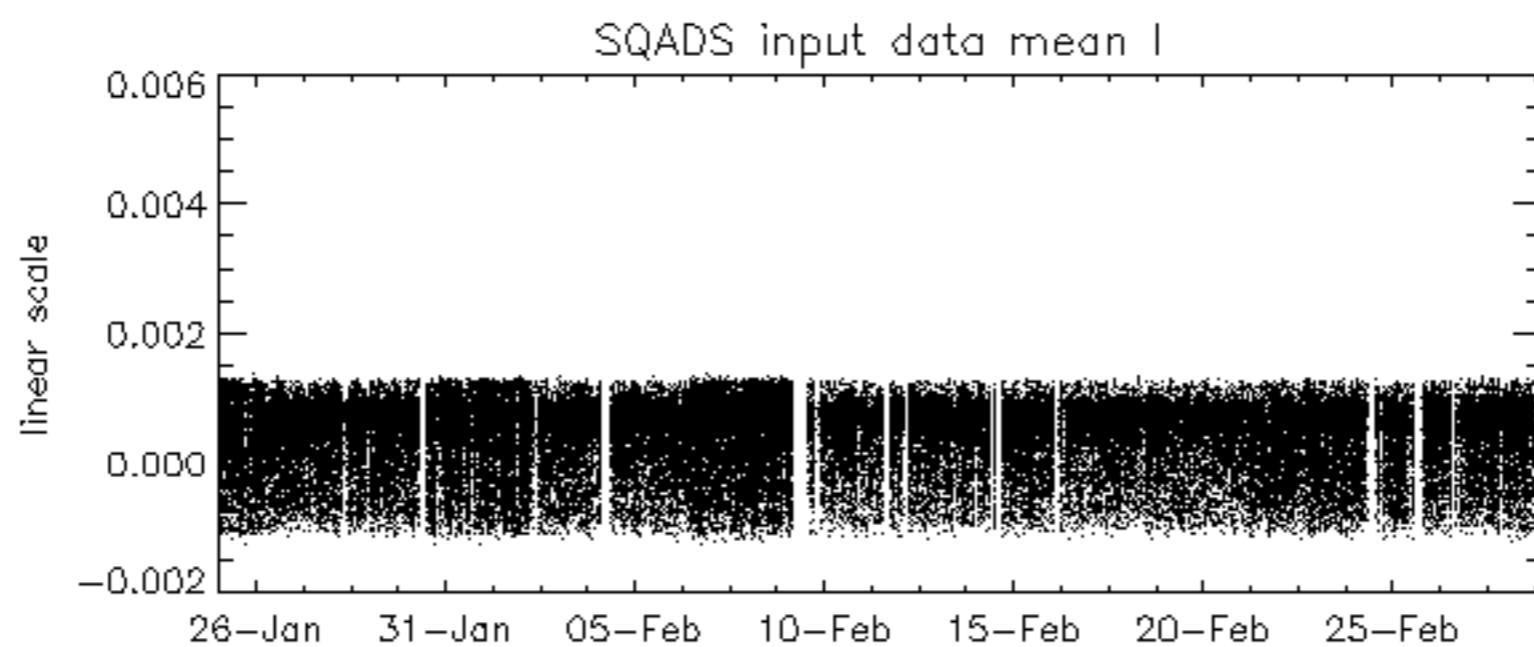
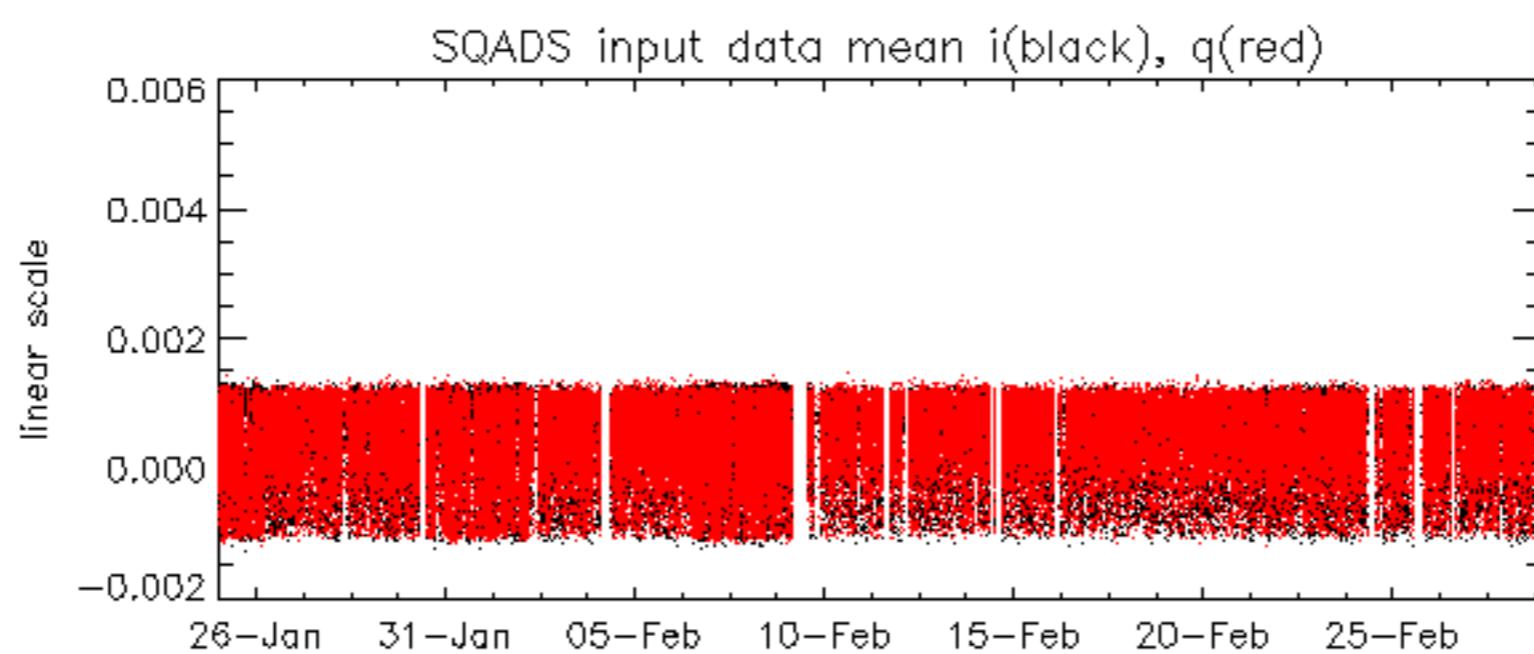
No anomalies observed.

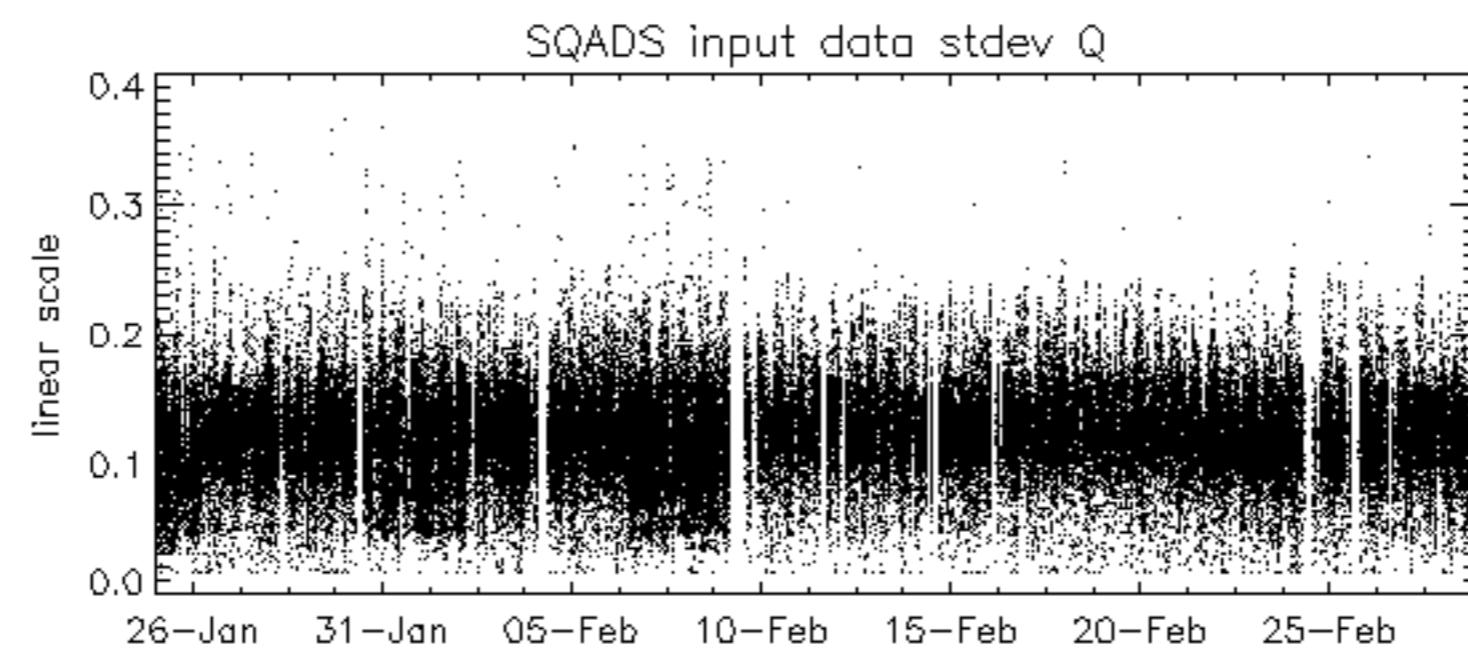
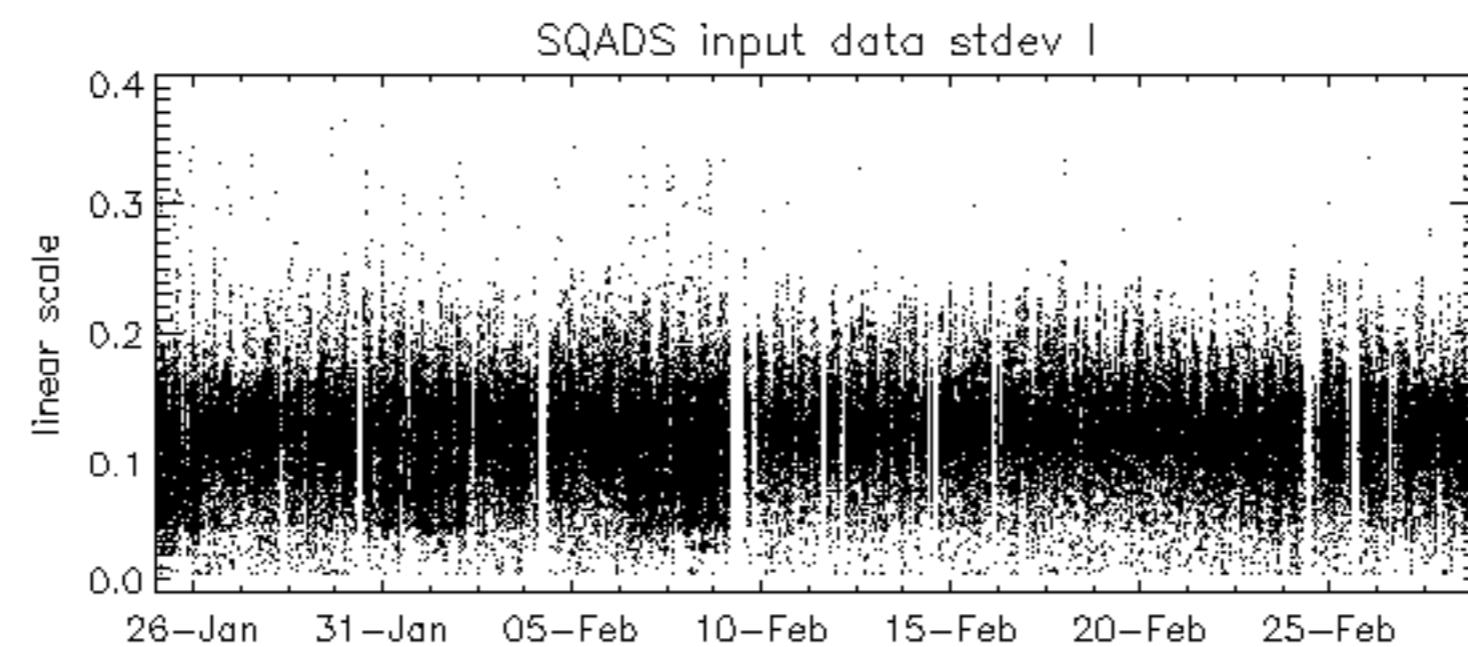
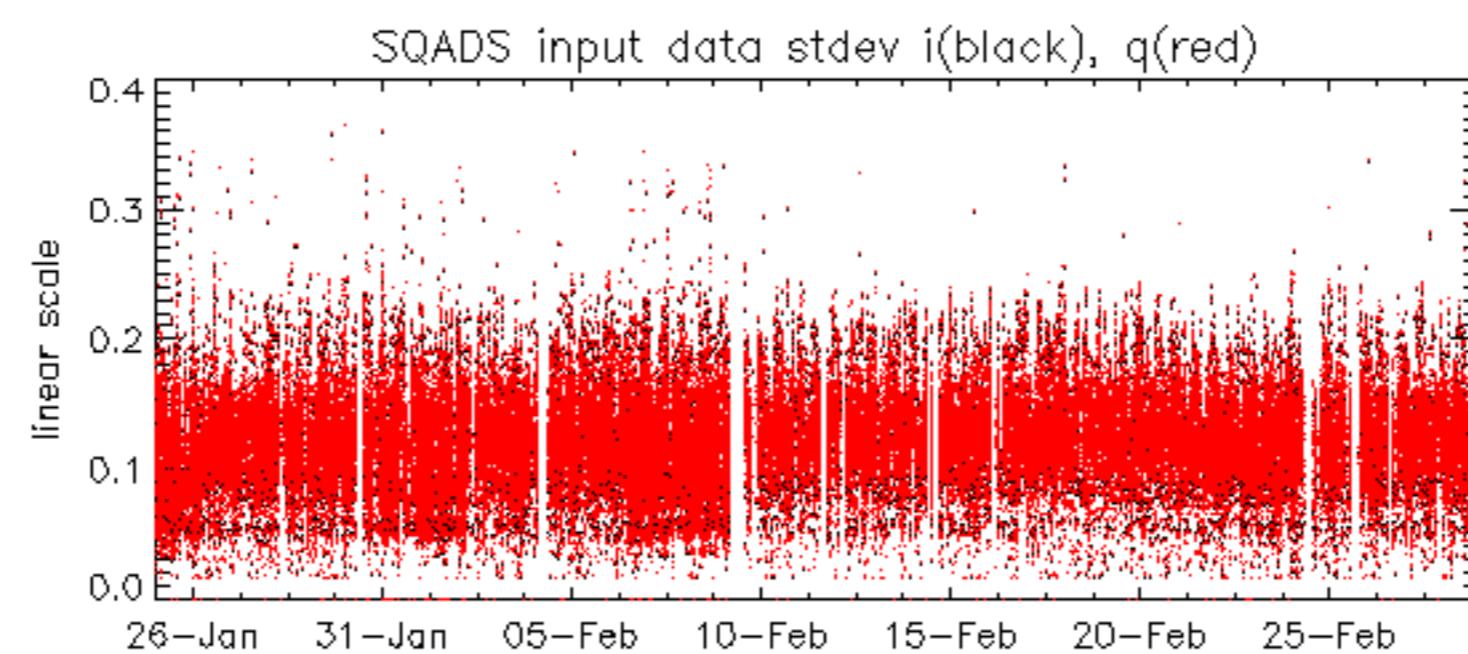




Reference:	2003-06-12 14:10:32 V	RxPhase
Test	: 2004-02-27 20:14:08 V	
		1
		2
		4
		3
		4
		5
		8
		7
A1	A3	B1
B3	C1	C3
D1	D3	E1
		E3
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19
		20
		21
		22
		23
A2	A4	B2
B4	C2	C4
D2	D4	E2
		E4
		24
		25
		26
		27
		28
		29
		30
		31
		32







Reference: 2003-06-12 14:08:52 H

TxGain

Test : 2004-02-27 20:12:48 H

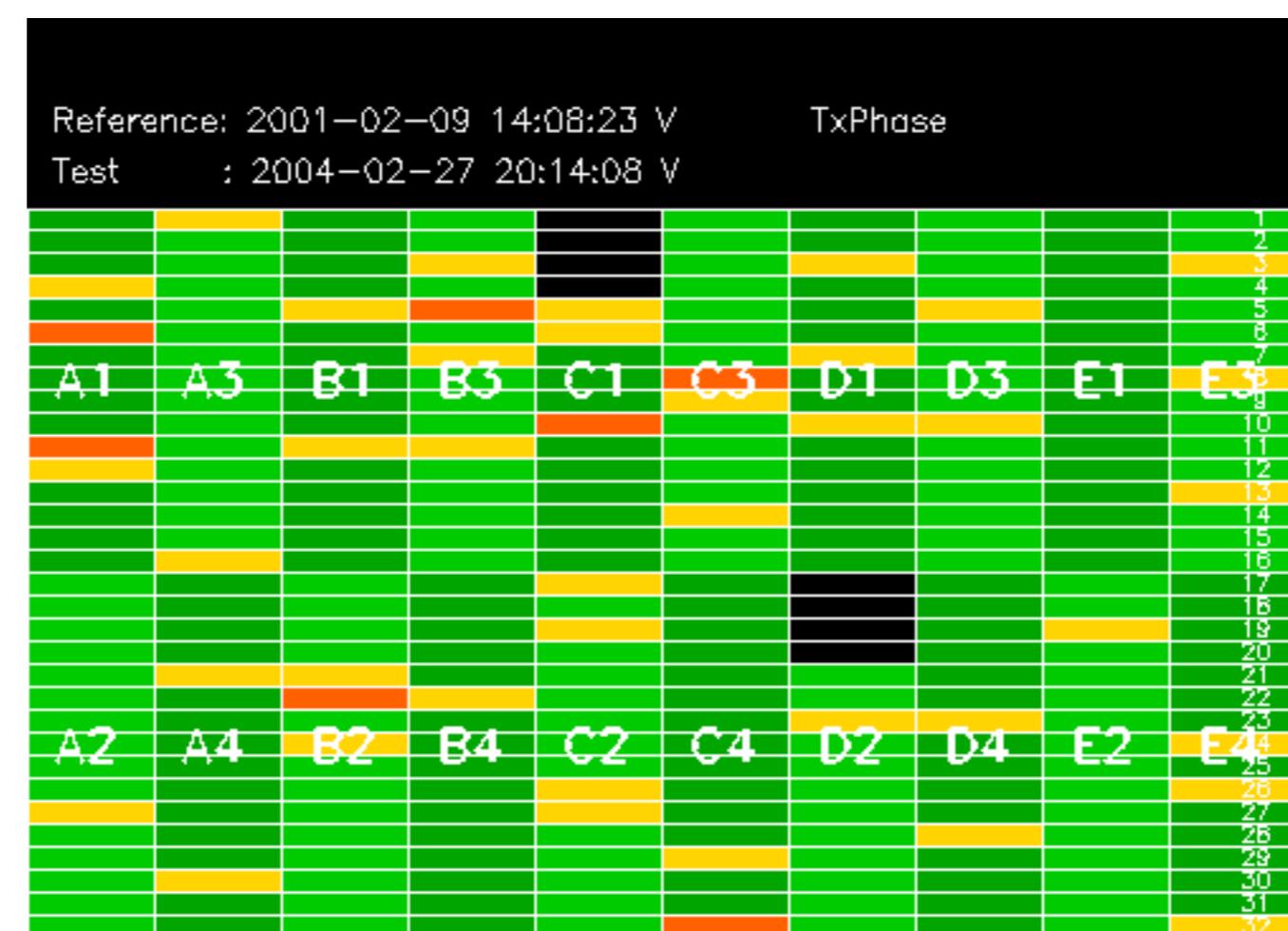
Reference:	2001-02-09 14:08:23 V	TxGain
Test	: 2004-02-27 20:14:08 V	
		1
		2
		3
		4
		5
		6
		7
A1	A3	B1
B3	C1	C3
D1	D3	E1
E3		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19
		20
		21
		22
		23
A2	A4	B2
B4	C2	C4
D2	D4	E2
E4		24
		25
		26
		27
		28
		29
		30
		31
		32

Reference: 2003-06-12 14:10:32 V

Test : 2004-02-27 20:14:08 V

Reference: 2001-02-09 13:50:42 H

Test : 2004-02-27 20:12:48 H



No unavailabilities during the reported period.

