

REPORT OF 040226

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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 the 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

No anomalies observed on available browse products

2.3 - Data Analysis

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

3 - Module Stepping Mode

Ms products of 25 february 2004 are missing

Polarisation	Start Time
V	20040224 200822
H	20040224 200702

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

row	stat	AveP1	AveP2	AveP3
3	mean	-3.62952	-22.3668	-8.12986
	stdev	0.00501231	0.0901546	0.00269493
24	mean	-5.09540	-21.0296	-8.12986
	stdev	0.0126071	0.0853632	0.00269493



4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.64761	-22.4089	-8.13409
	stdev	0.00661409	0.0769203	0.00305668
24	mean	-5.10772	-21.0774	-8.13409
	stdev	0.0146759	0.0738776	0.00305668



4.3 - cal pulses monitoring (all rows)



5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000443430
	stdev	2.68086e-07
MEAN Q	mean	0.000408960
	stdev	3.08720e-07



5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.121933
	stdev	0.00129047
STDEV Q	mean	0.122161
	stdev	0.00130443



5.3 - Gain imbalance I/Q



6 - Wave Doppler Analysis

Preliminary report. The data is not yet controled

6.1 - Unbiased Doppler Error

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

6.2 - Absolute Doppler

Evolution of Absolute Doppler

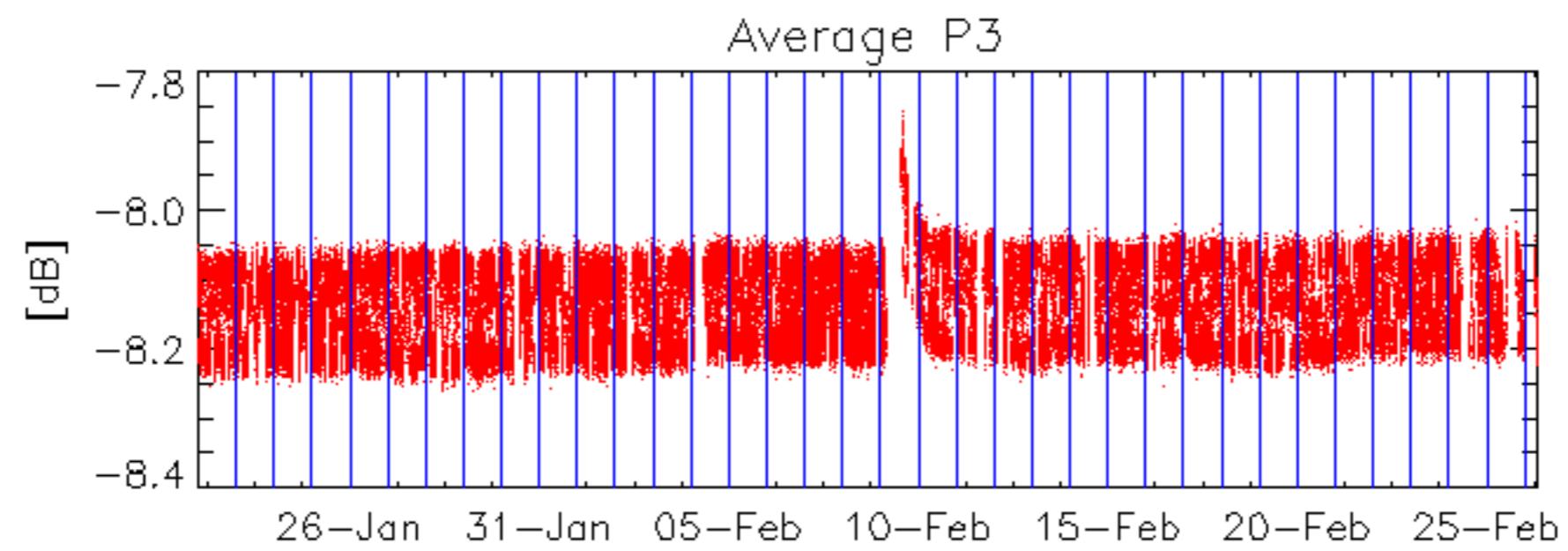
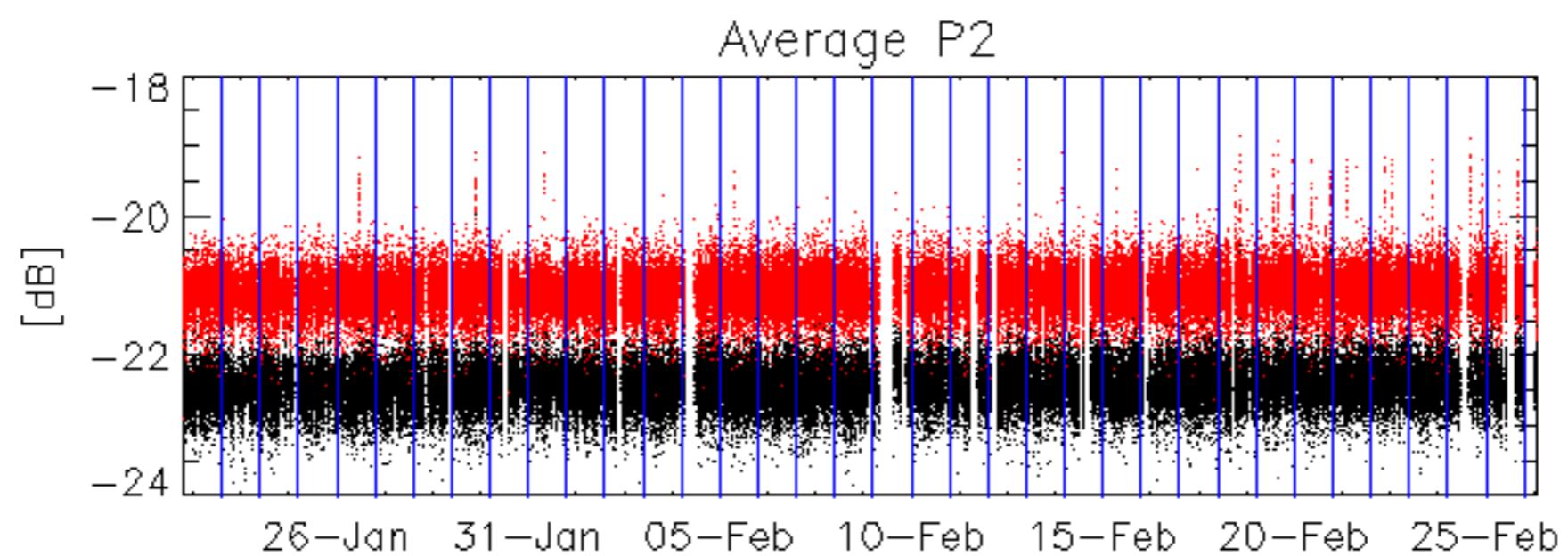
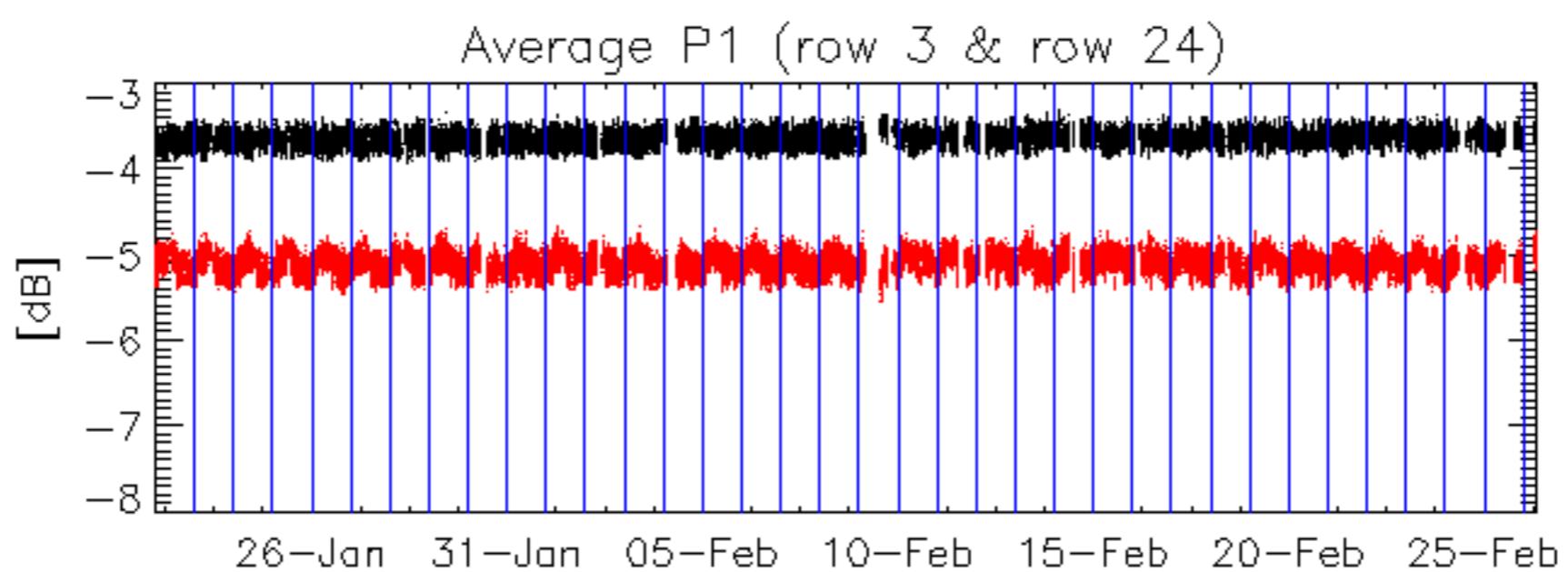
Acsending

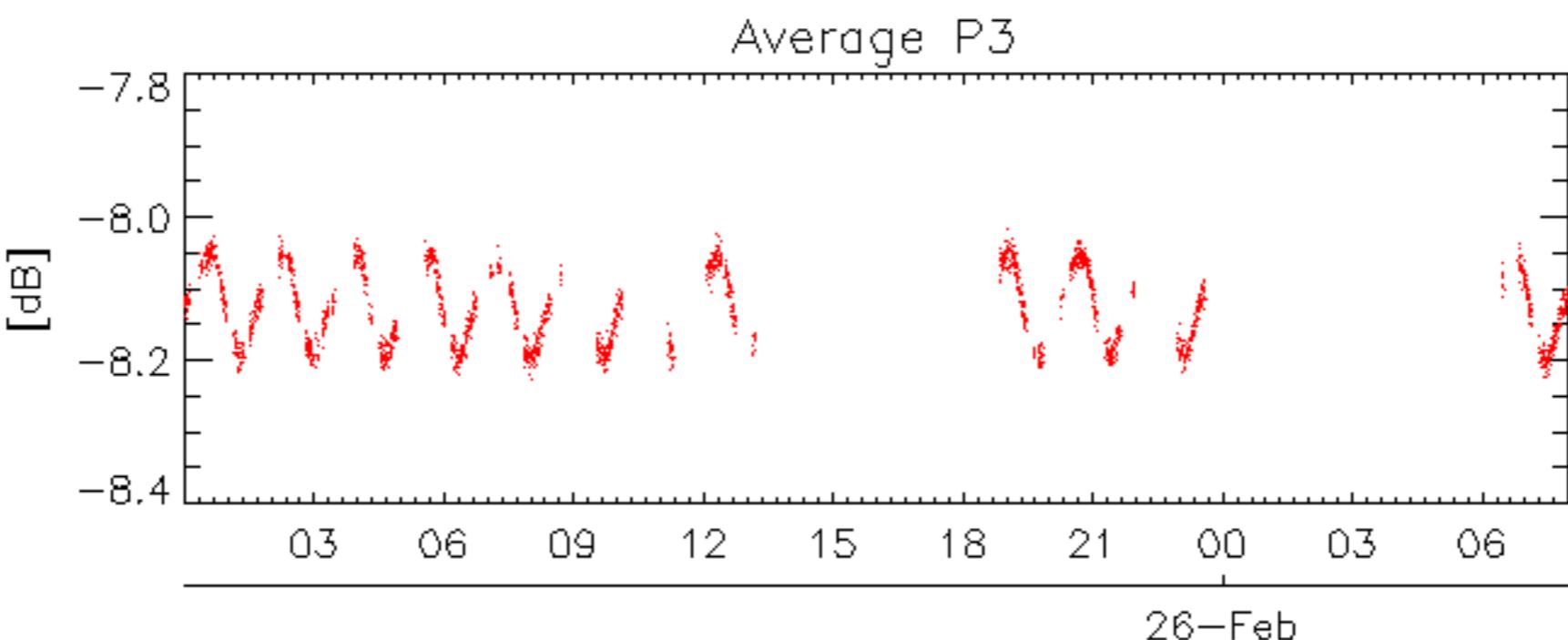
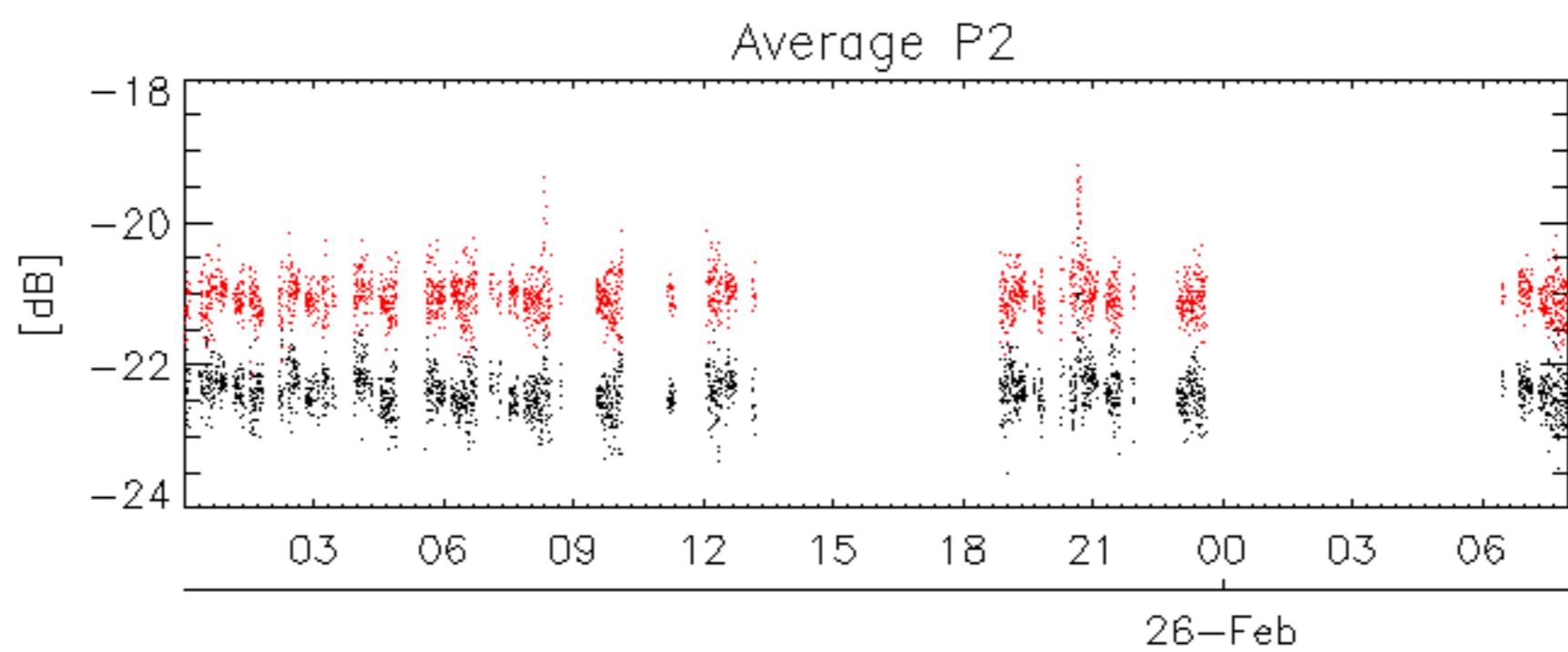
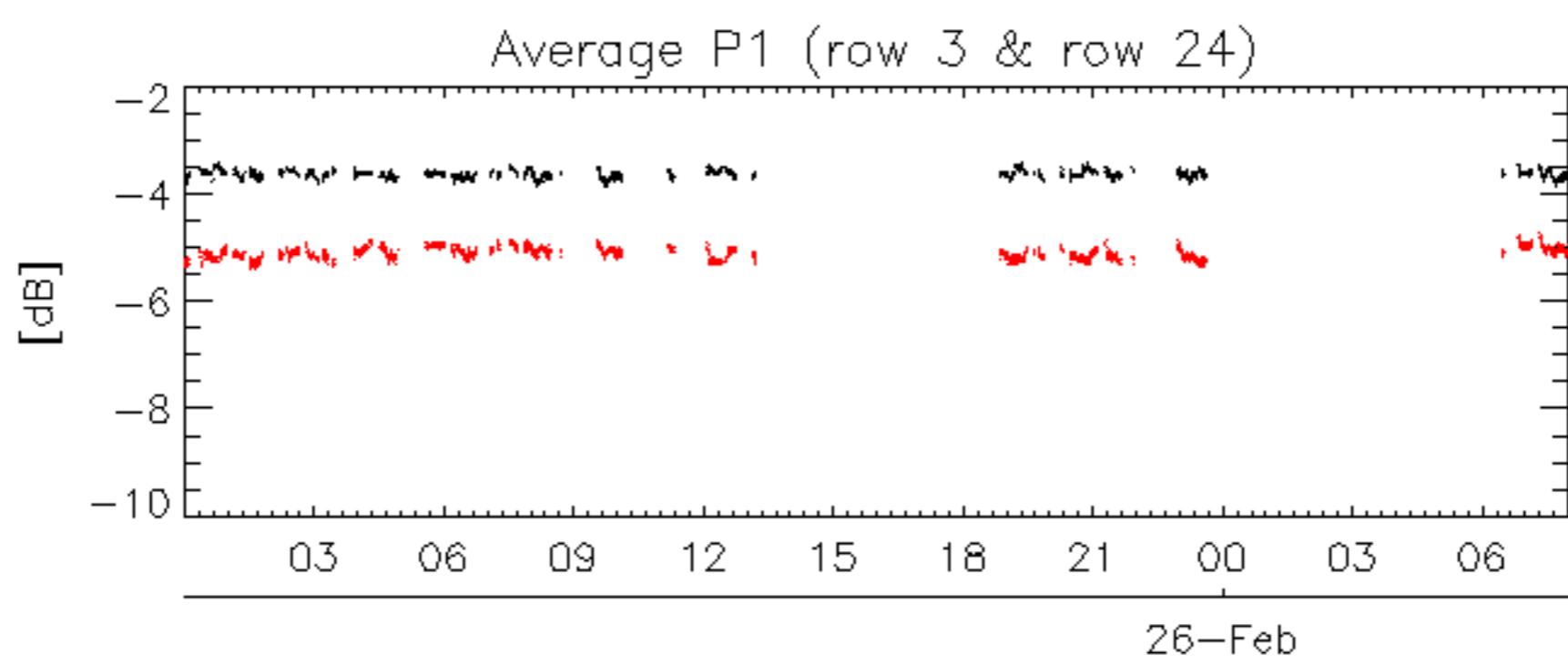
Descending

6.3 - Doppler evolution versus ANX

Evolution Doppler error versus ANX





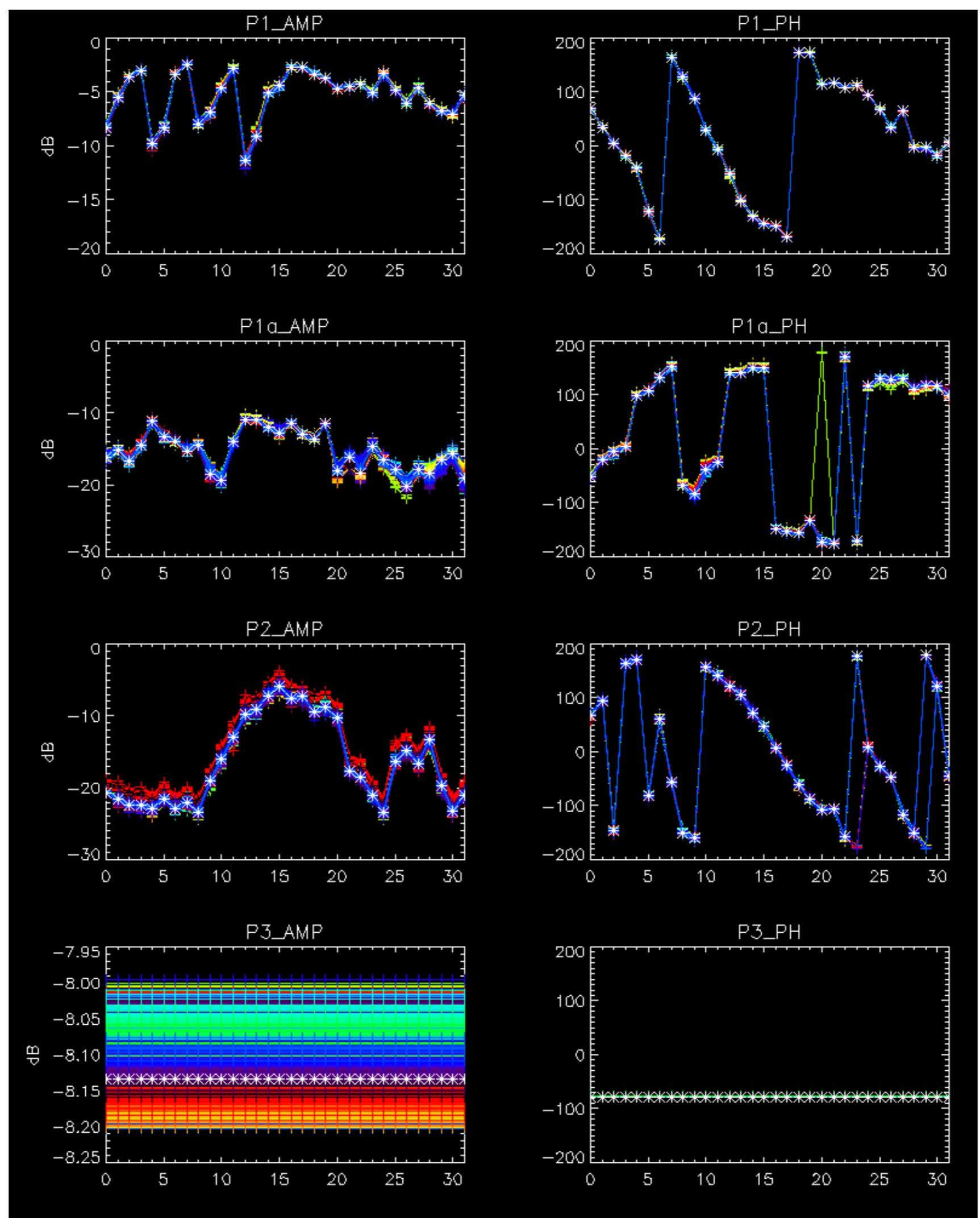


No anomalies observed on available browse products



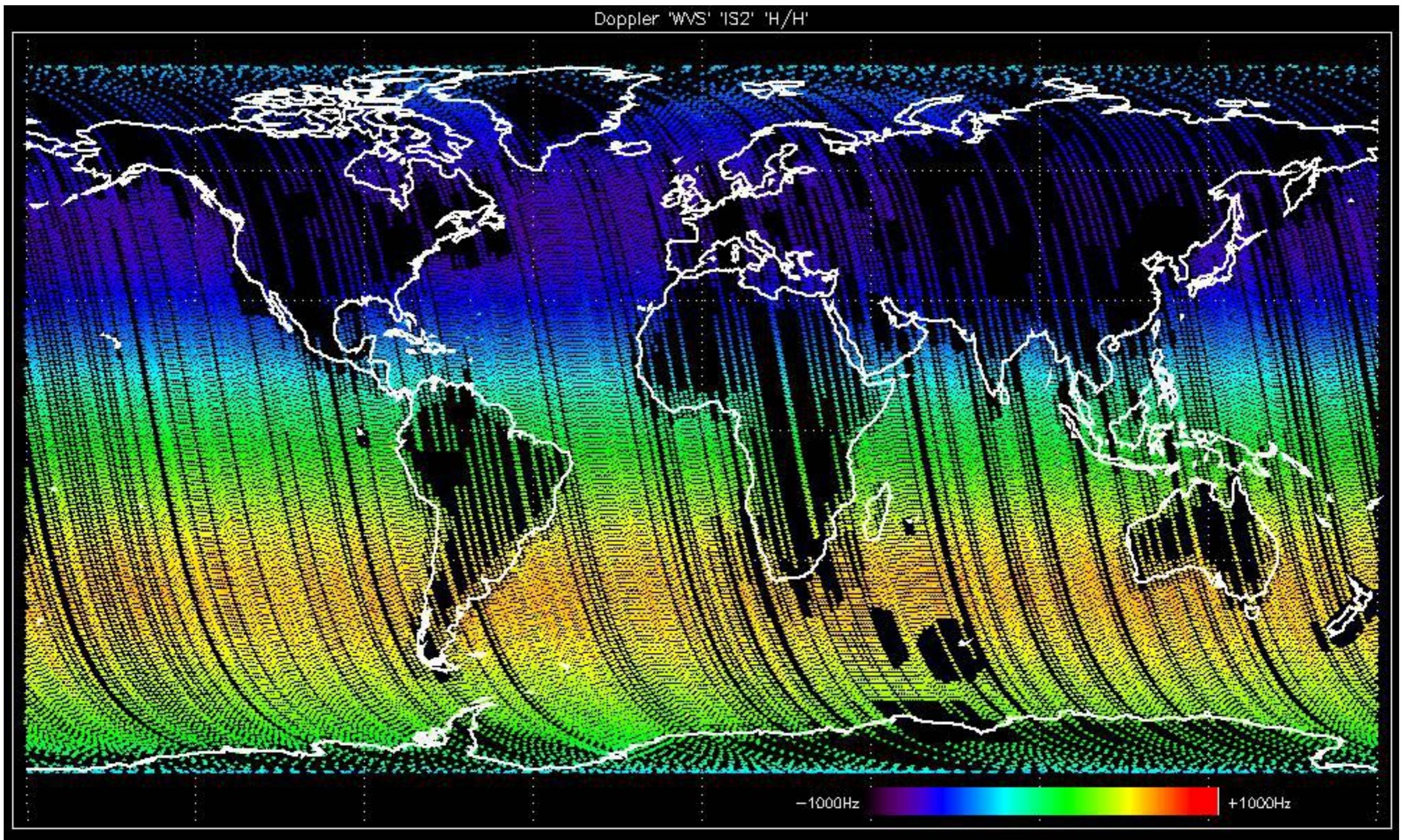
No anomalies observed.

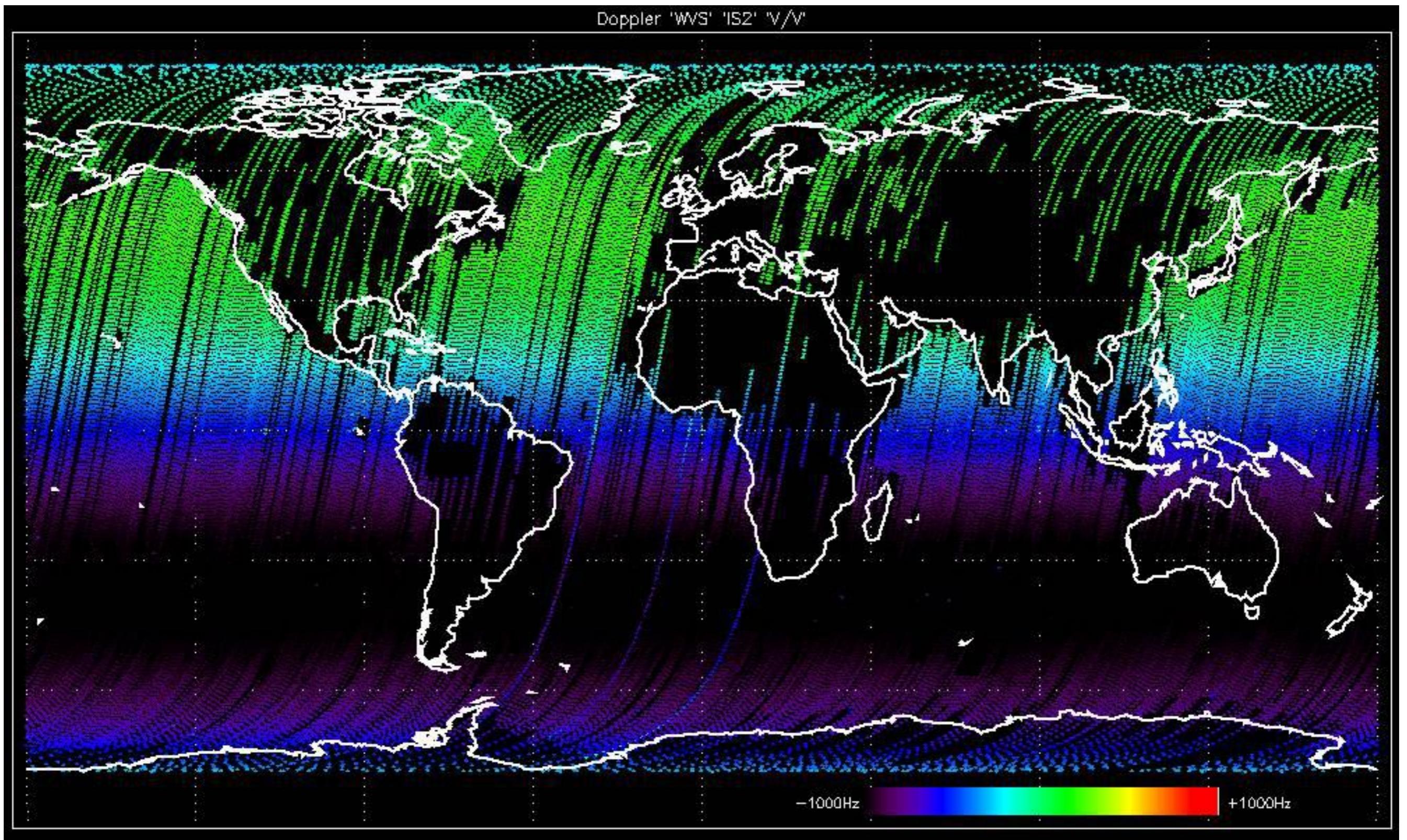


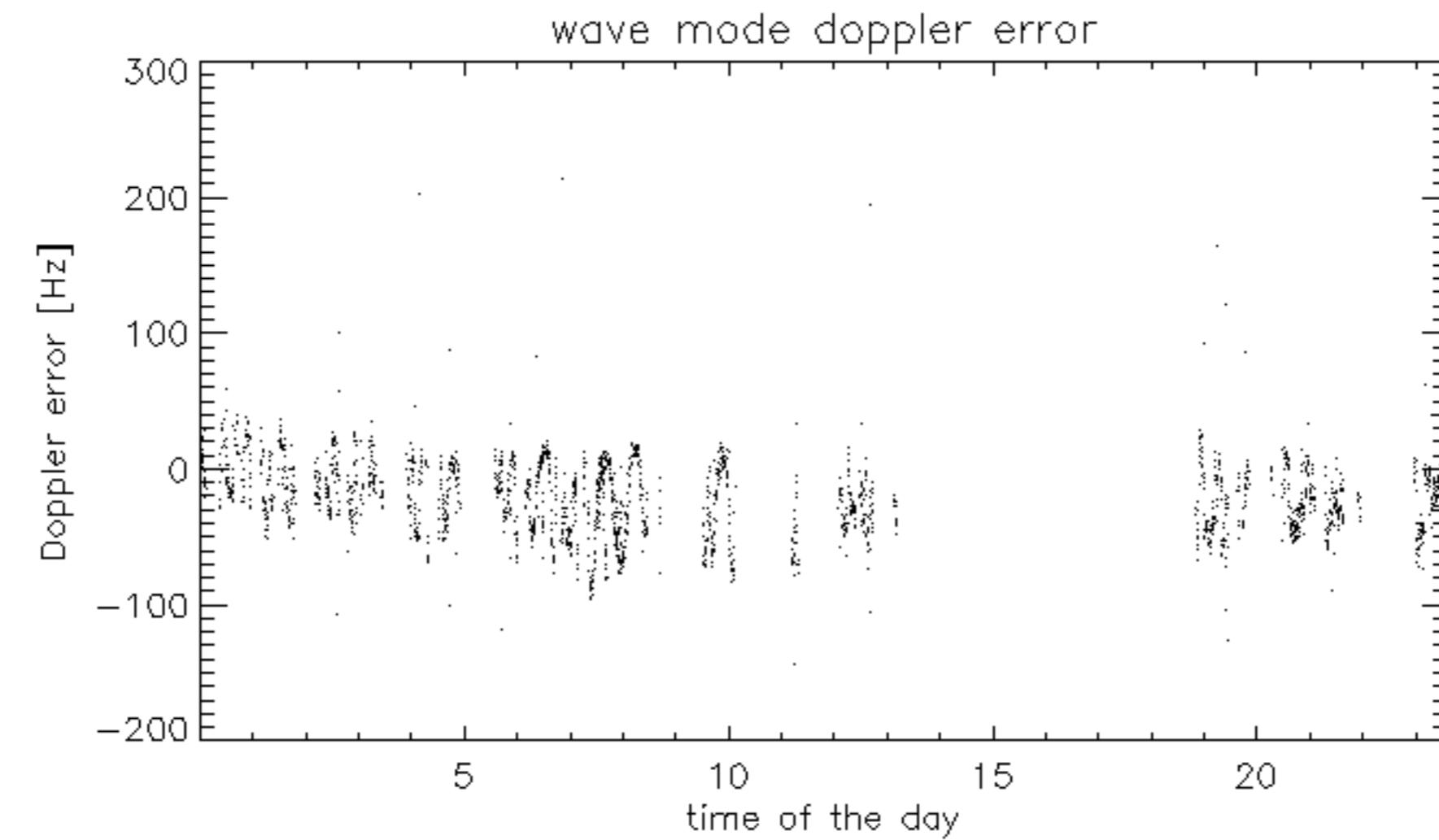
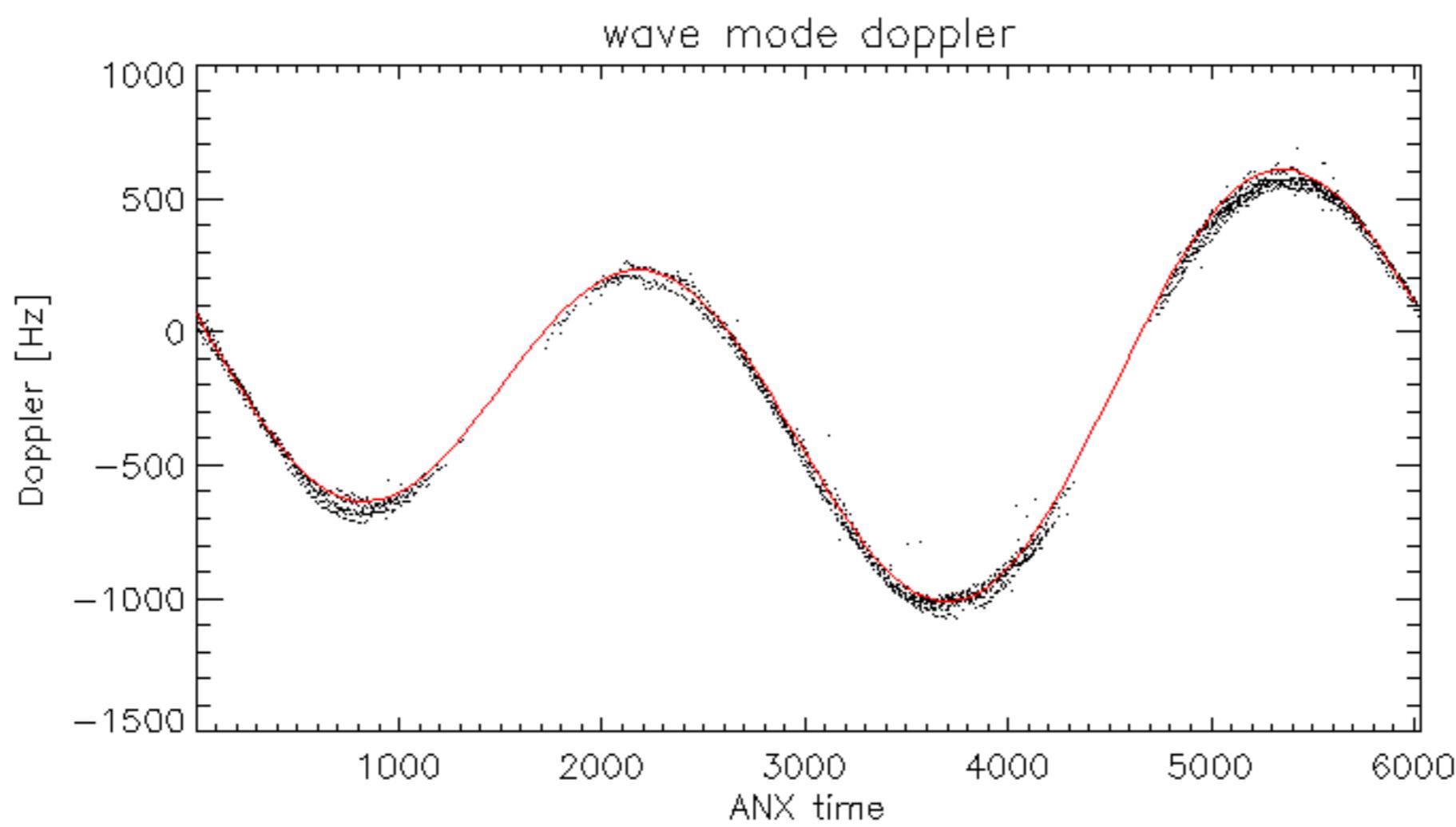


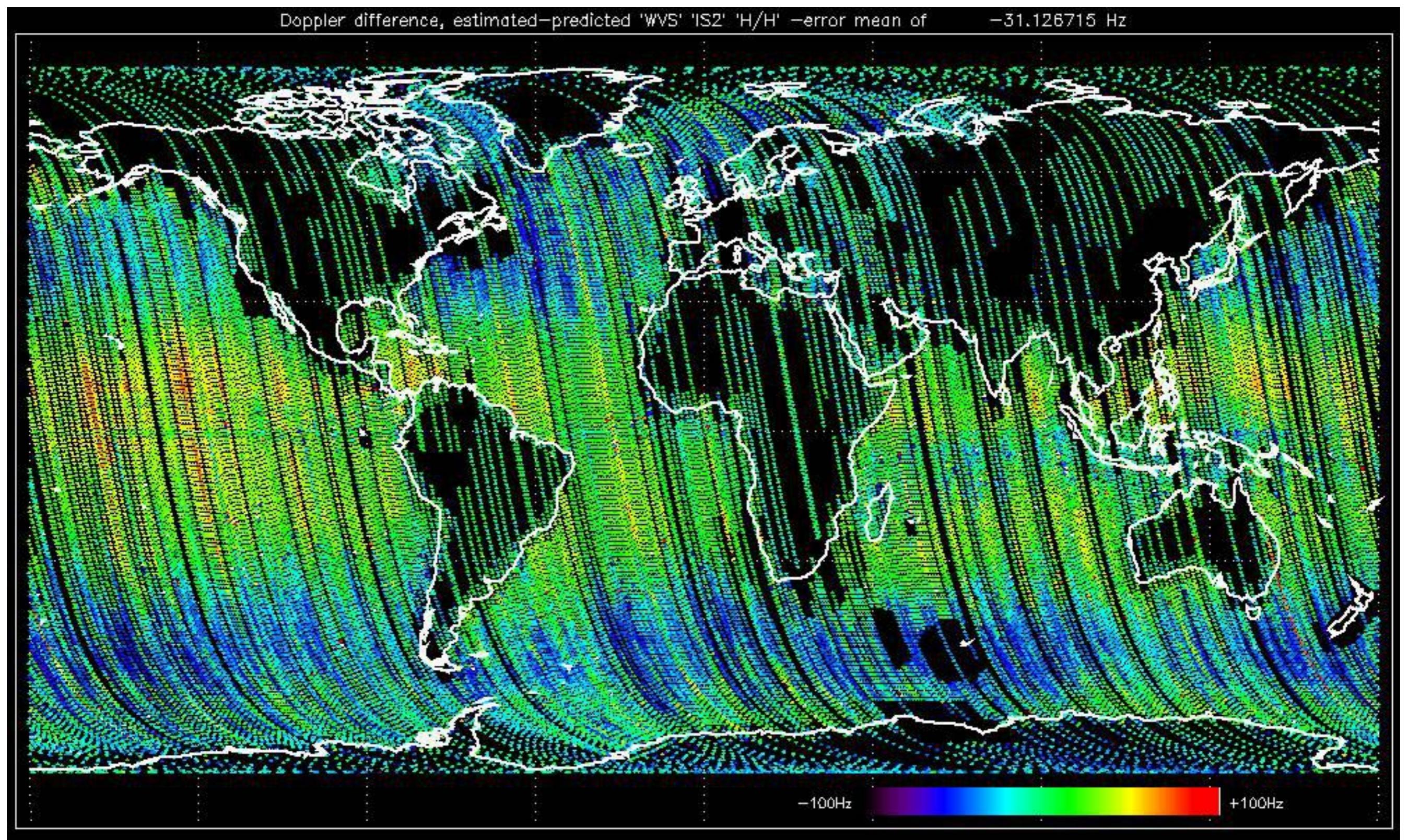
- Stable wave internal calibration pulses gain and phase.
- Stable raw data statistics.
- Nominal Doppler behavior.

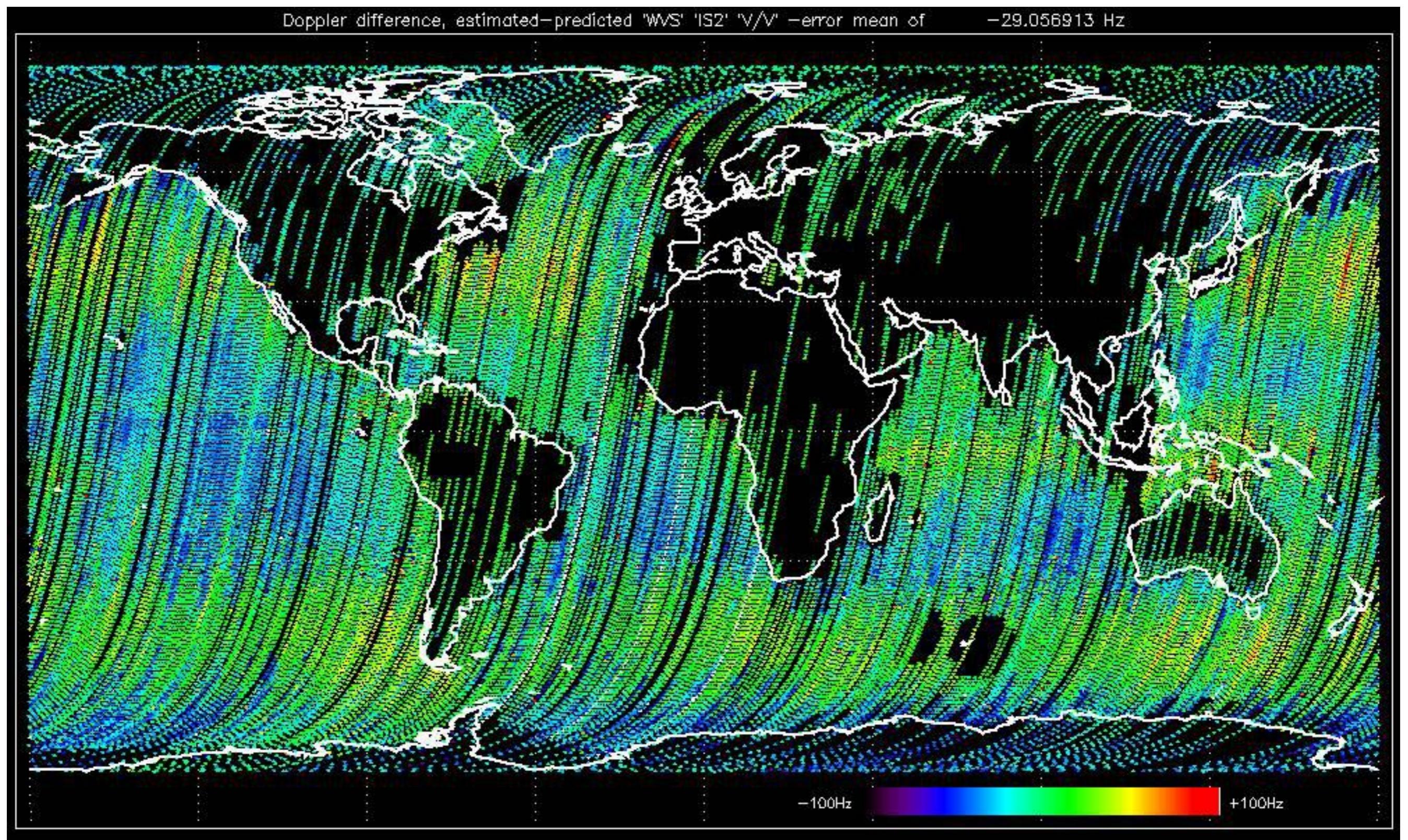












Ms products of 25 february 2004 are missing



No anomalies observed.

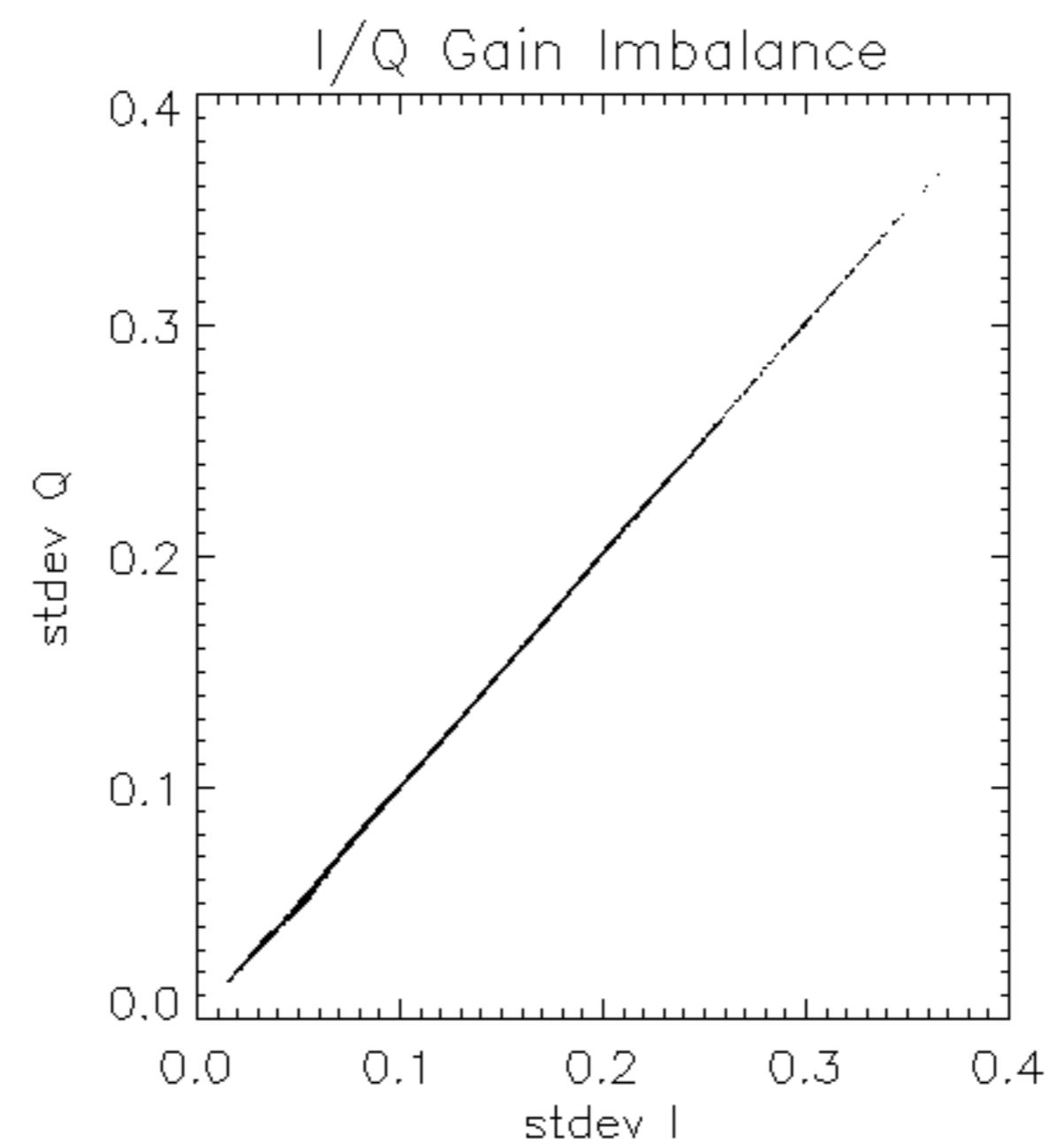


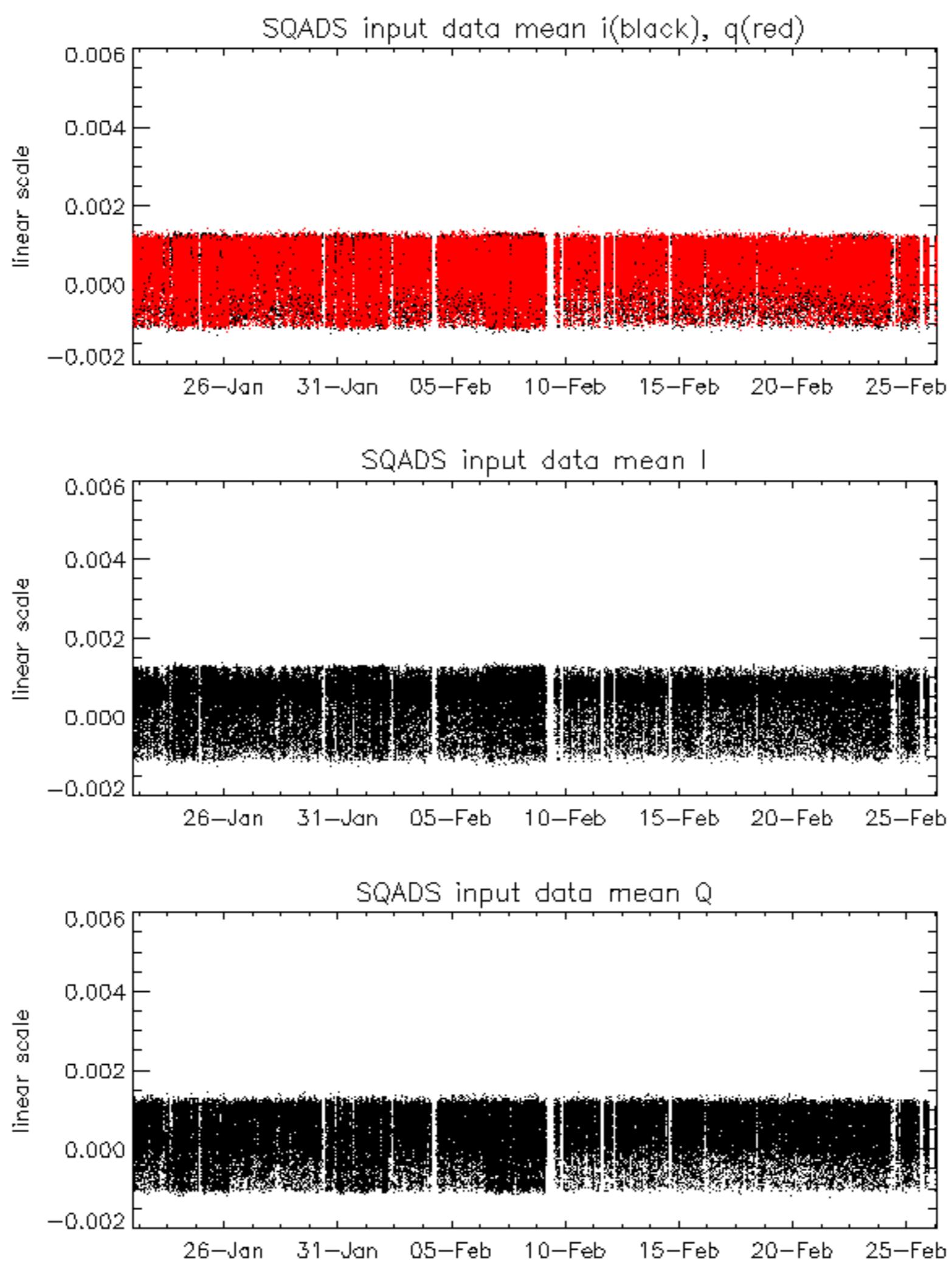
Reference: 2003-06-12 14:10:32 V

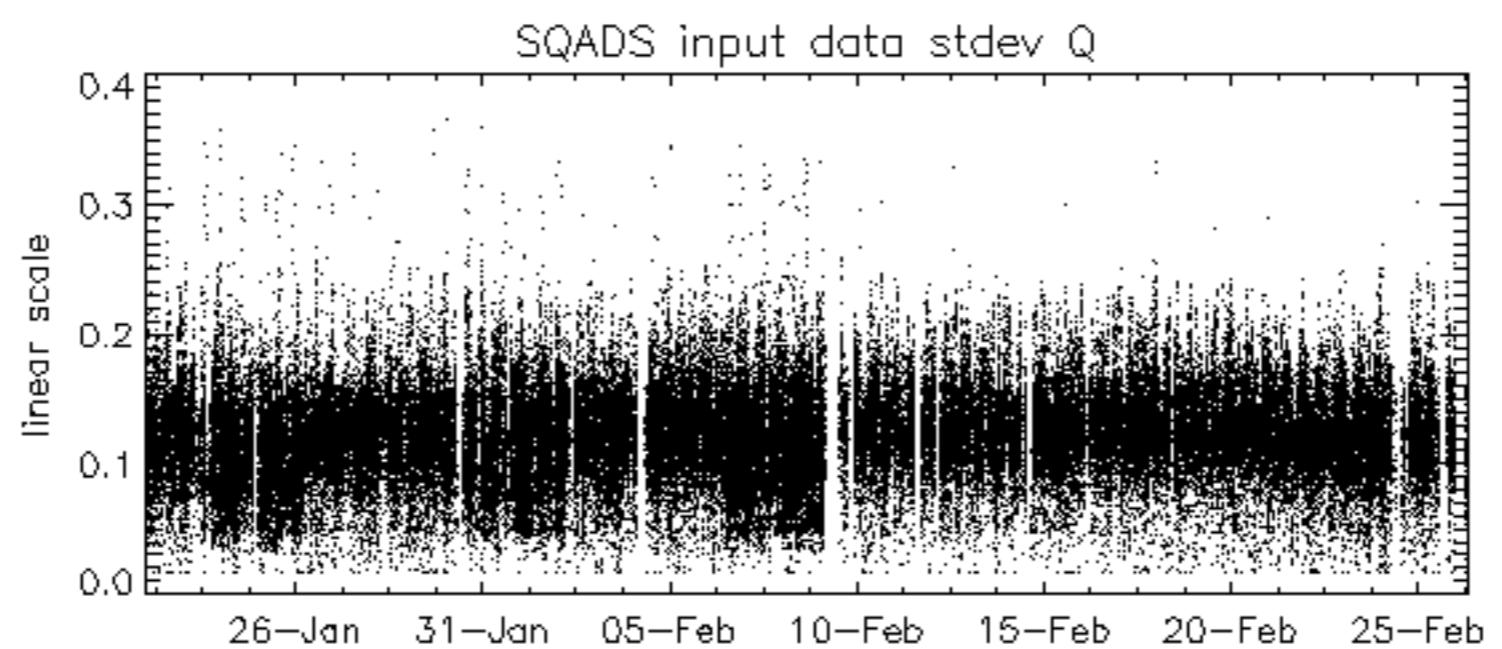
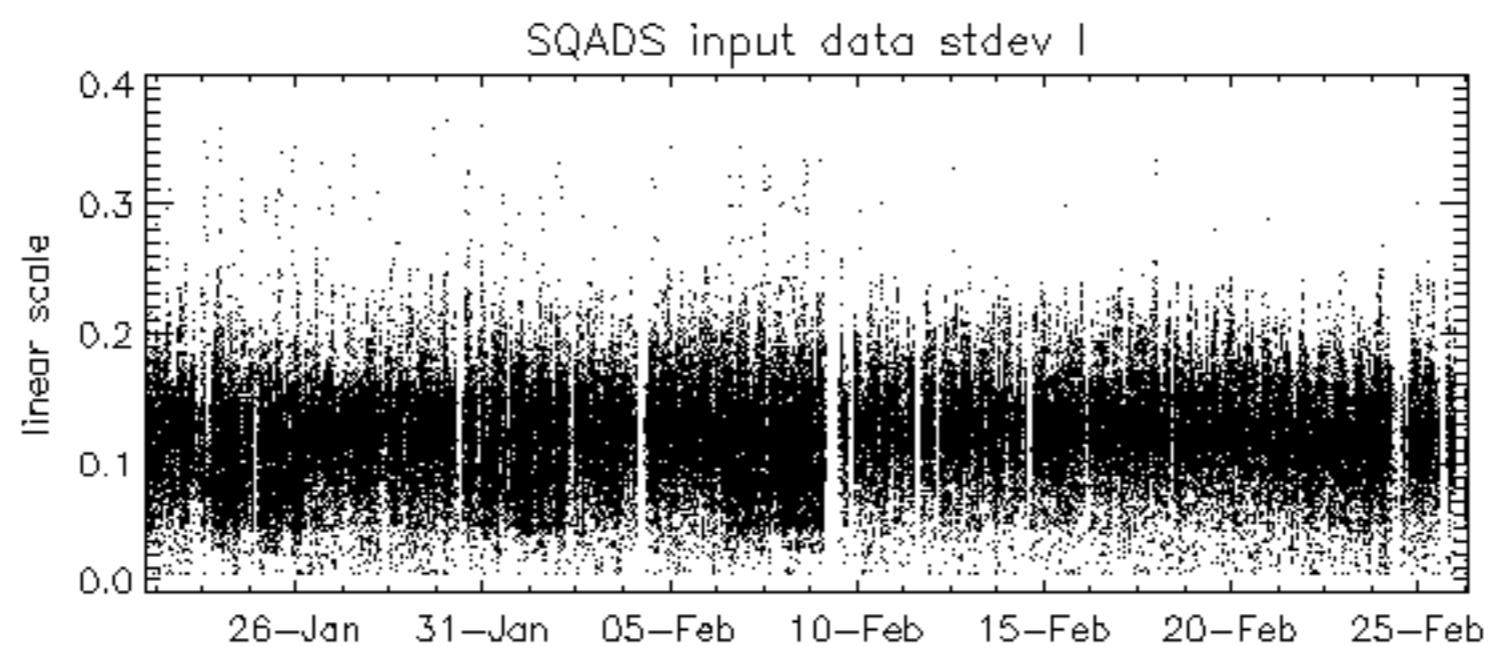
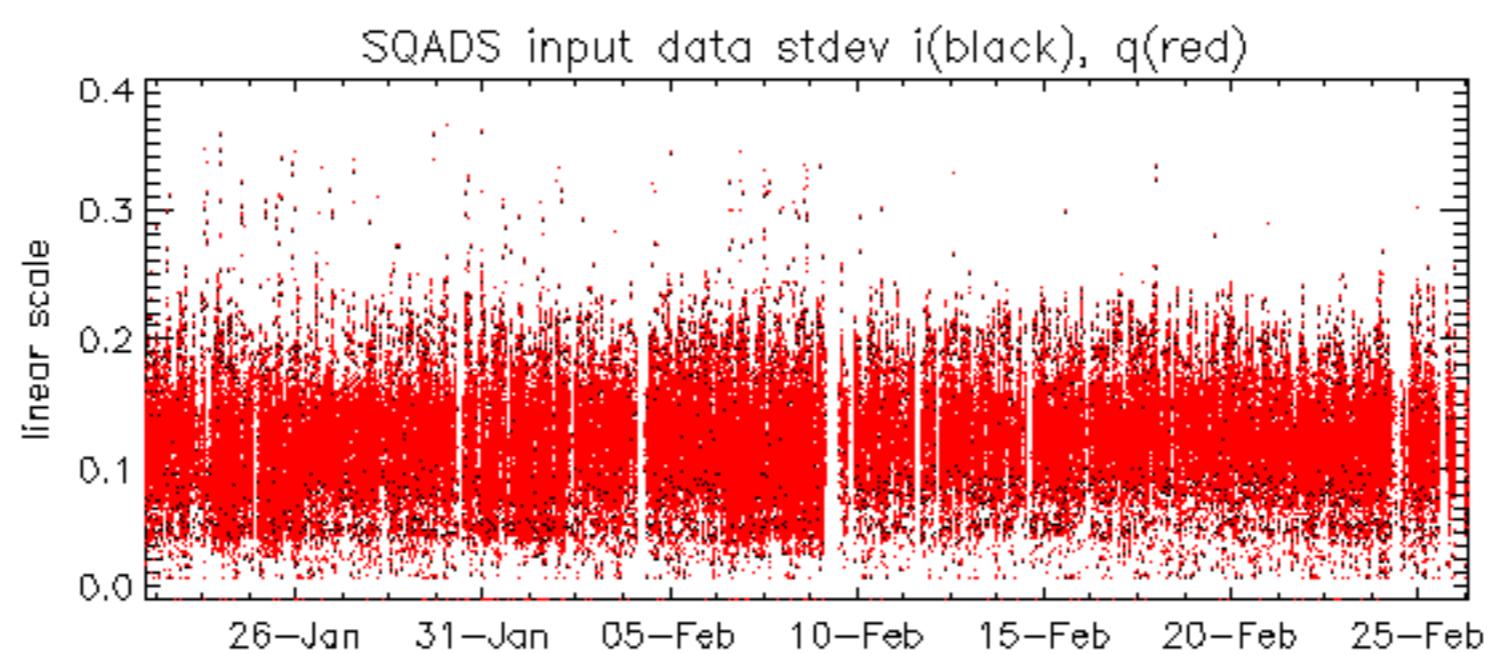
RxGain

Test : 2004-02-24 20:08:22 V

Reference:	2003-06-12 14:08:52 H	RxPhase							
Test	: 2004-02-24 20:07:02 H								
A1	A3	B1	B3	C1	C3	D1	D3	E1	E3
A2	A4	B2	B4	C2	C4	D2	D4	E2	E4







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

Test : 2004-02-24 20:07:02 H

Reference:	2001-02-09 14:08:23 V	TxGain
Test	: 2004-02-24 20:08:22 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 : 2004-02-24 20:08:22 V

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

Test : 2004-02-24 20:07:02 H

Reference:	2001-02-09 14:08:23	V	TxPhase
Test	:	2004-02-24 20:08:22	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

No unavailabilities during the reported period.

