

REPORT OF 040108

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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

Preliminary report. The data is not yet controlled

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 any malfunctioning modules and
 to identify modules for which calibration offsets are to be applied.
 No anomalies observed on available MS products:

Polarisation	Start Time
V	20040107 201704
H	20040107 201544

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	-3.70428	-22.5424	-8.15592
	stdev	0.00677391	0.0744436	0.00356809
24	mean	-5.07311	-21.1300	-8.15592
	stdev	0.0143773	0.0700196	0.00356809



4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.74516	-22.5397	-8.14382
	stdev	0.0875053	0.0712769	0.00516059
24	mean	-5.21093	-21.1723	-8.14382
	stdev	0.565394	0.0639584	0.00516059



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	0.000433671
	stdev	3.02012e-07
MEAN Q	mean	0.000299092
	stdev	3.69882e-07



5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.115642
	stdev	0.00140764
STDEV Q	mean	0.115890
	stdev	0.00142202



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)

Ascending
Descending

6.2 - Absolute Doppler

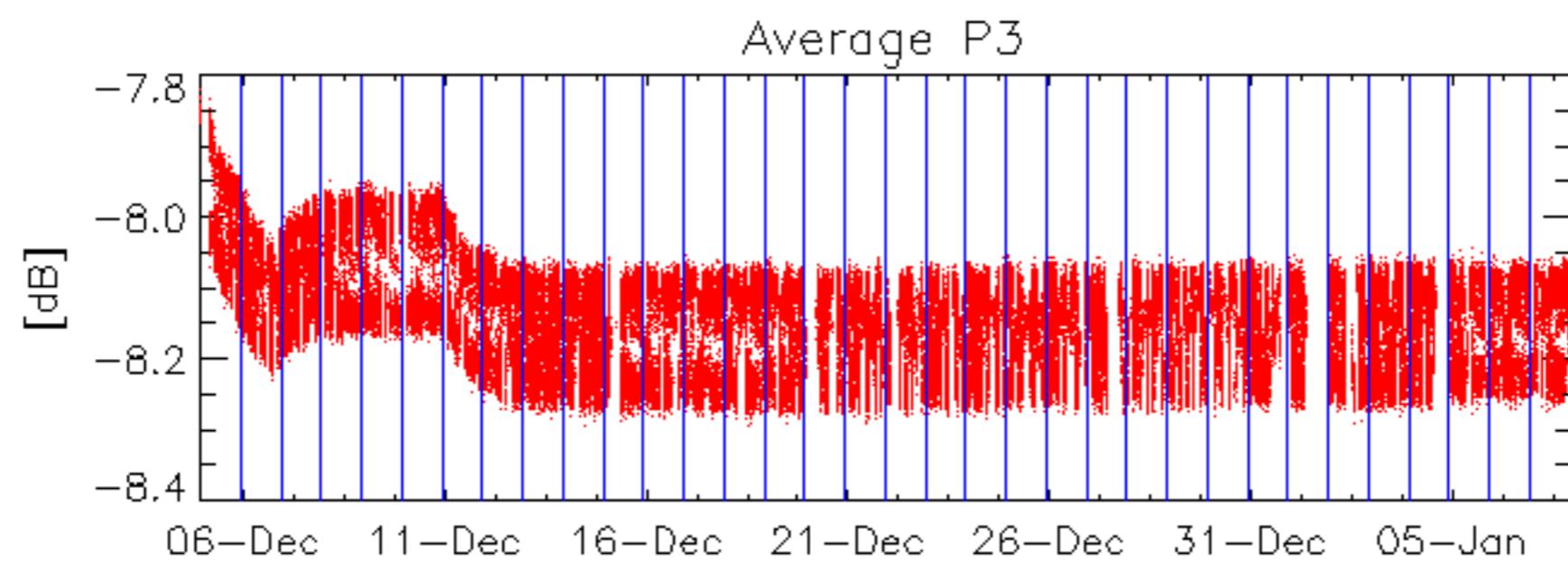
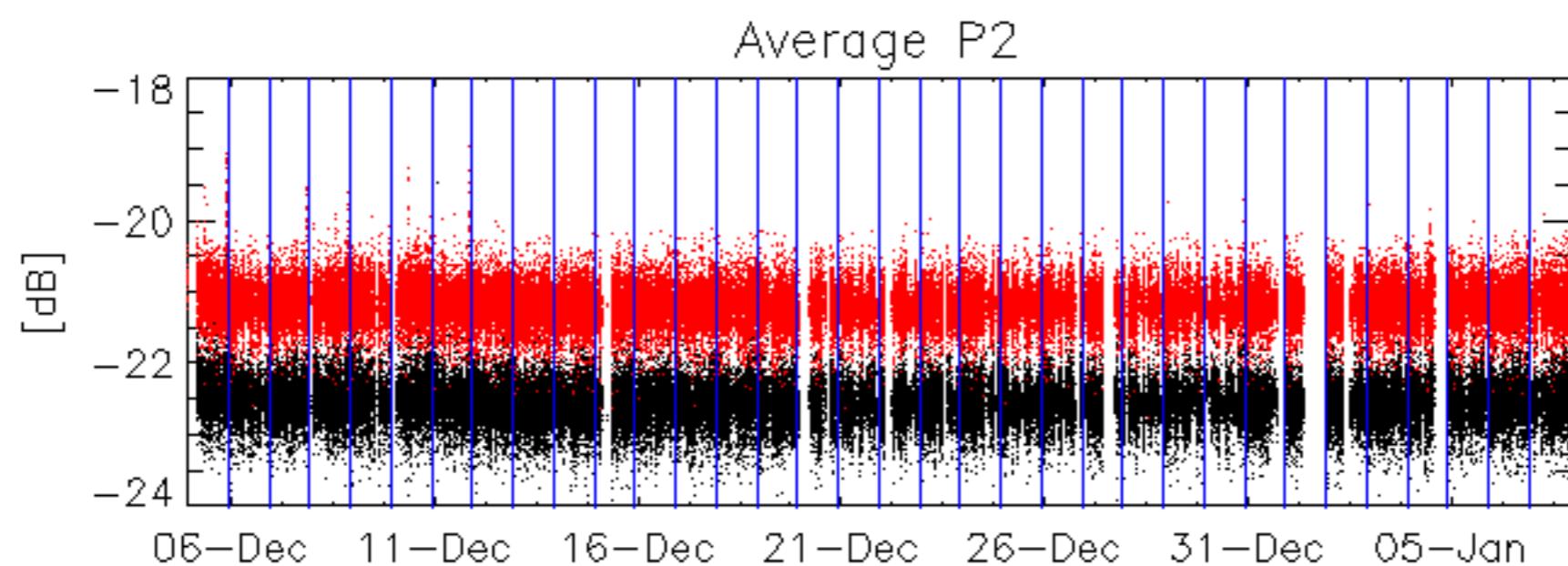
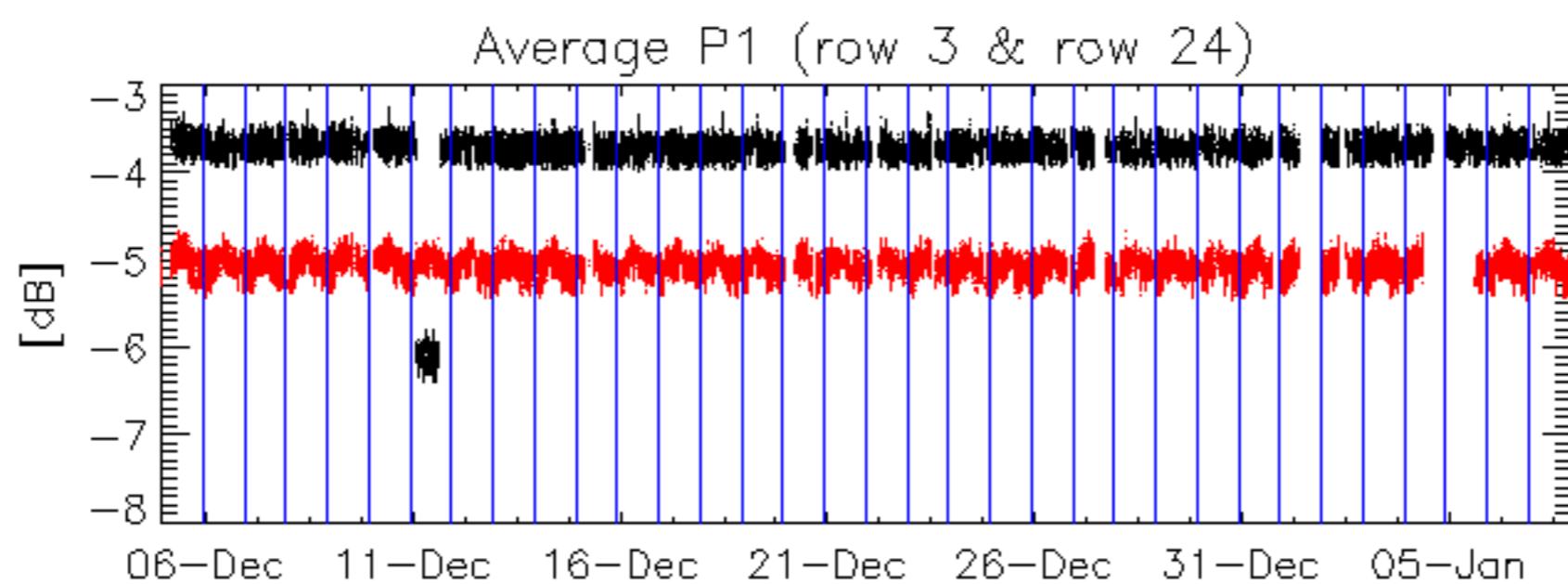
Evolution of Absolute Doppler

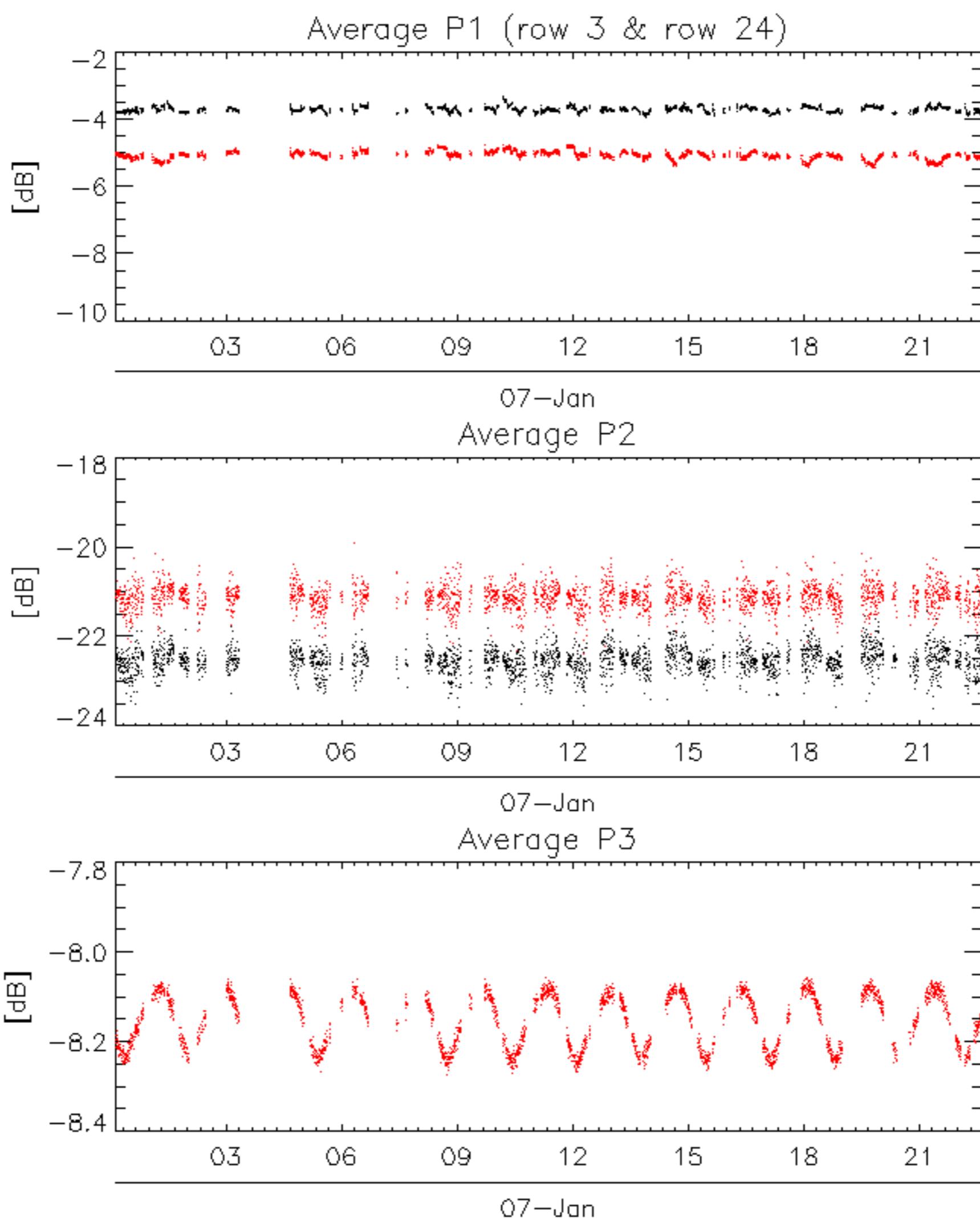
Ascending
Descending

6.3 - Doppler evolution versus ANX

Evolution Doppler error versus ANX

<input type="checkbox"/>



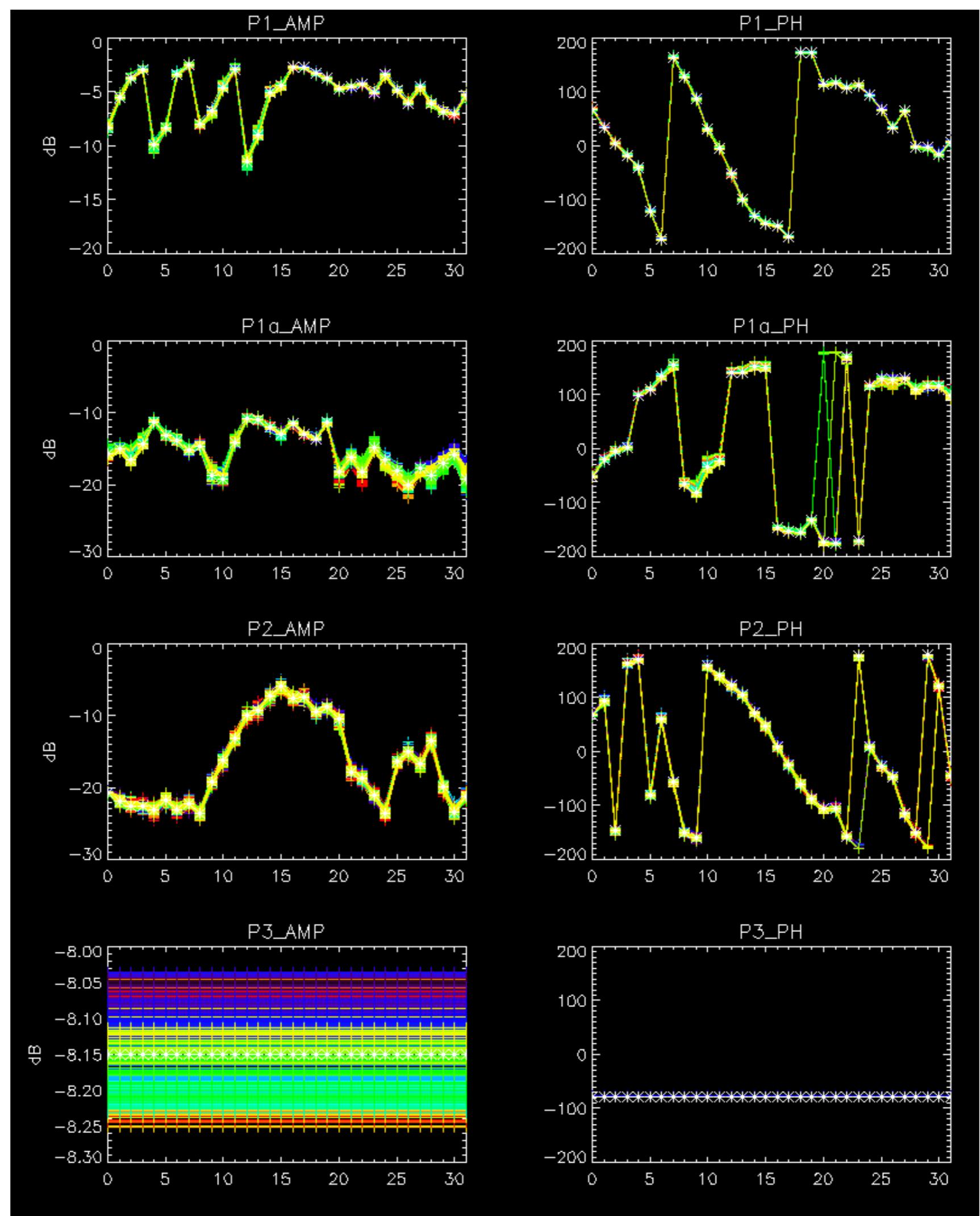


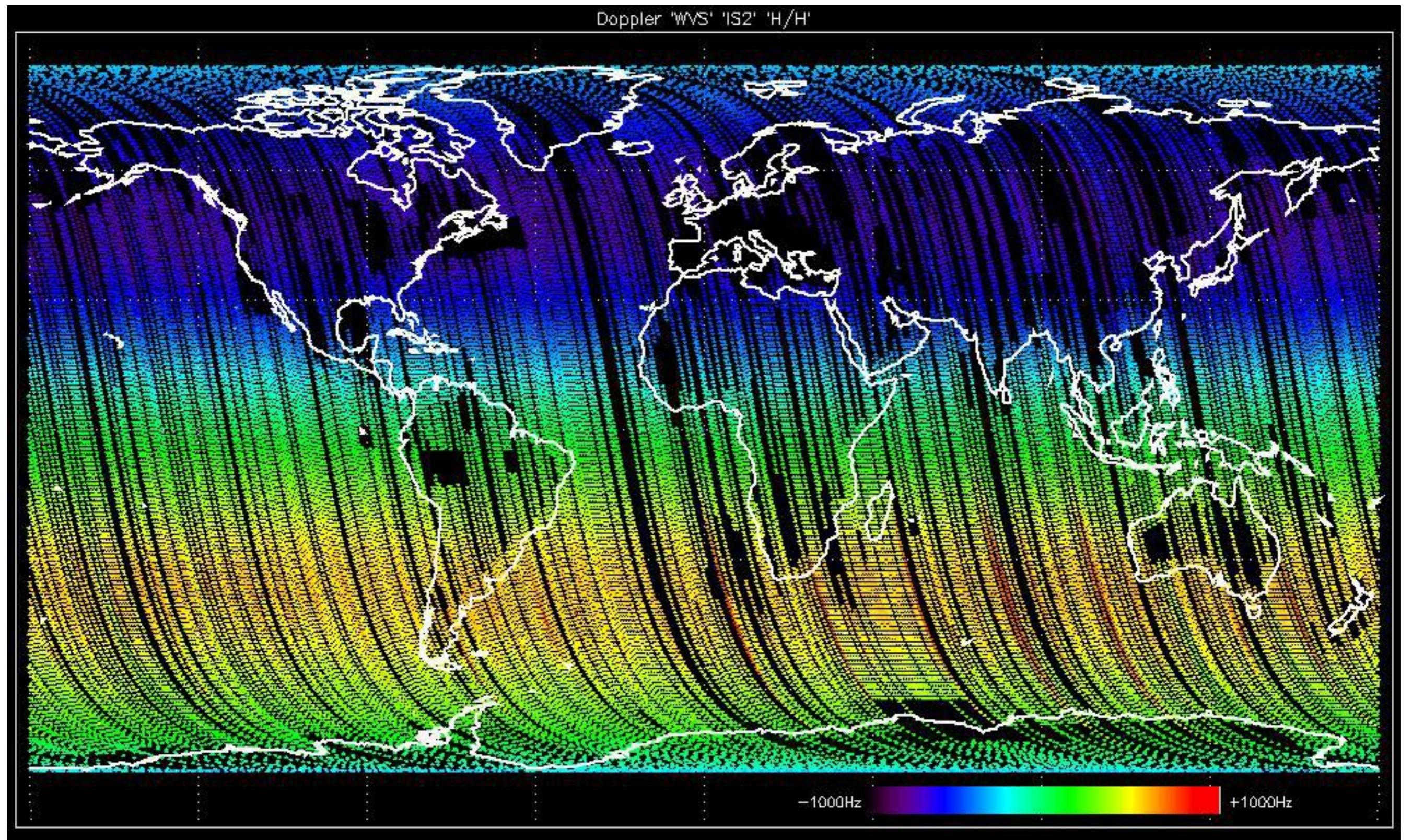
No anomalies observed on available browse products

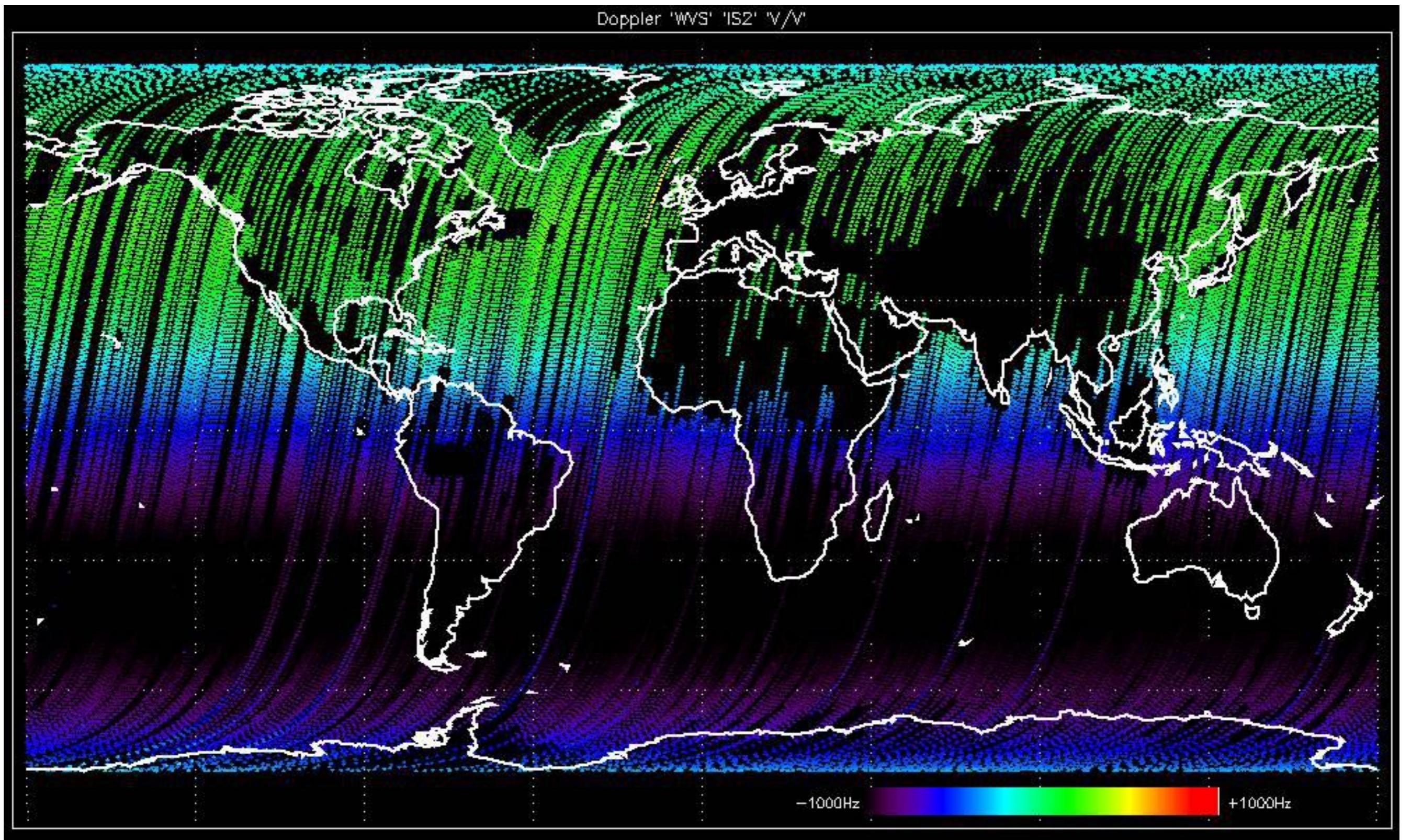


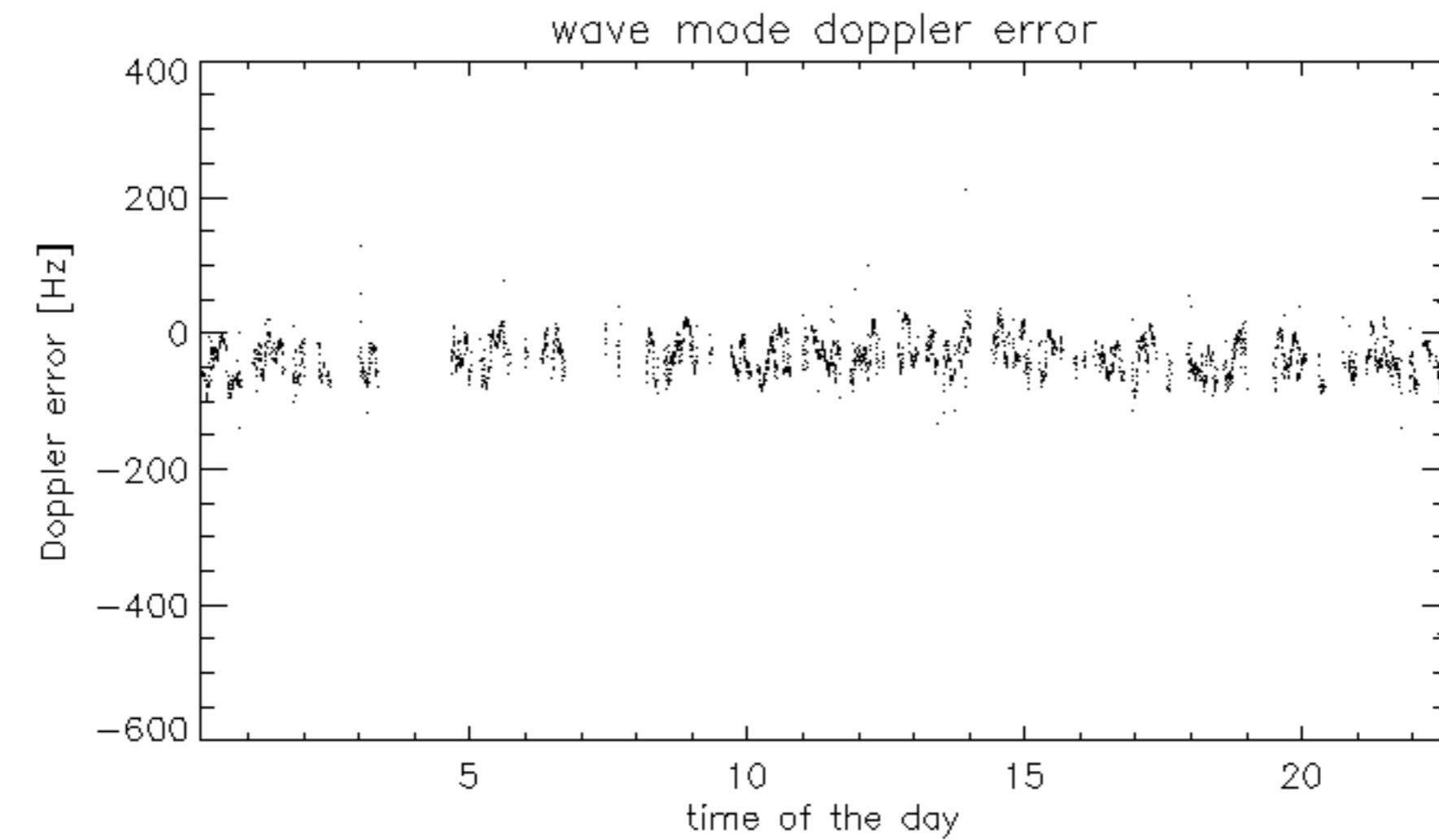
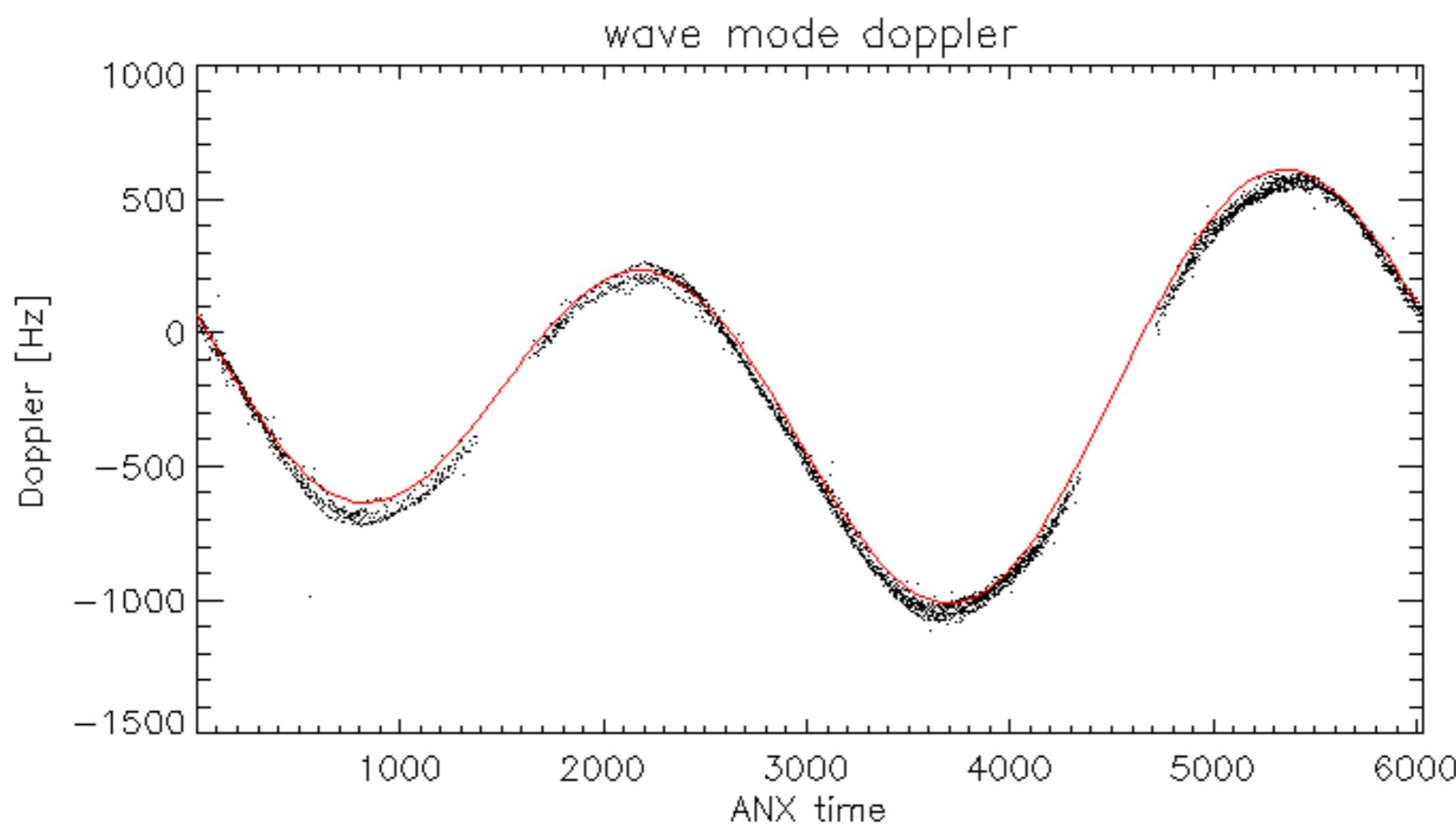
No anomalies observed.

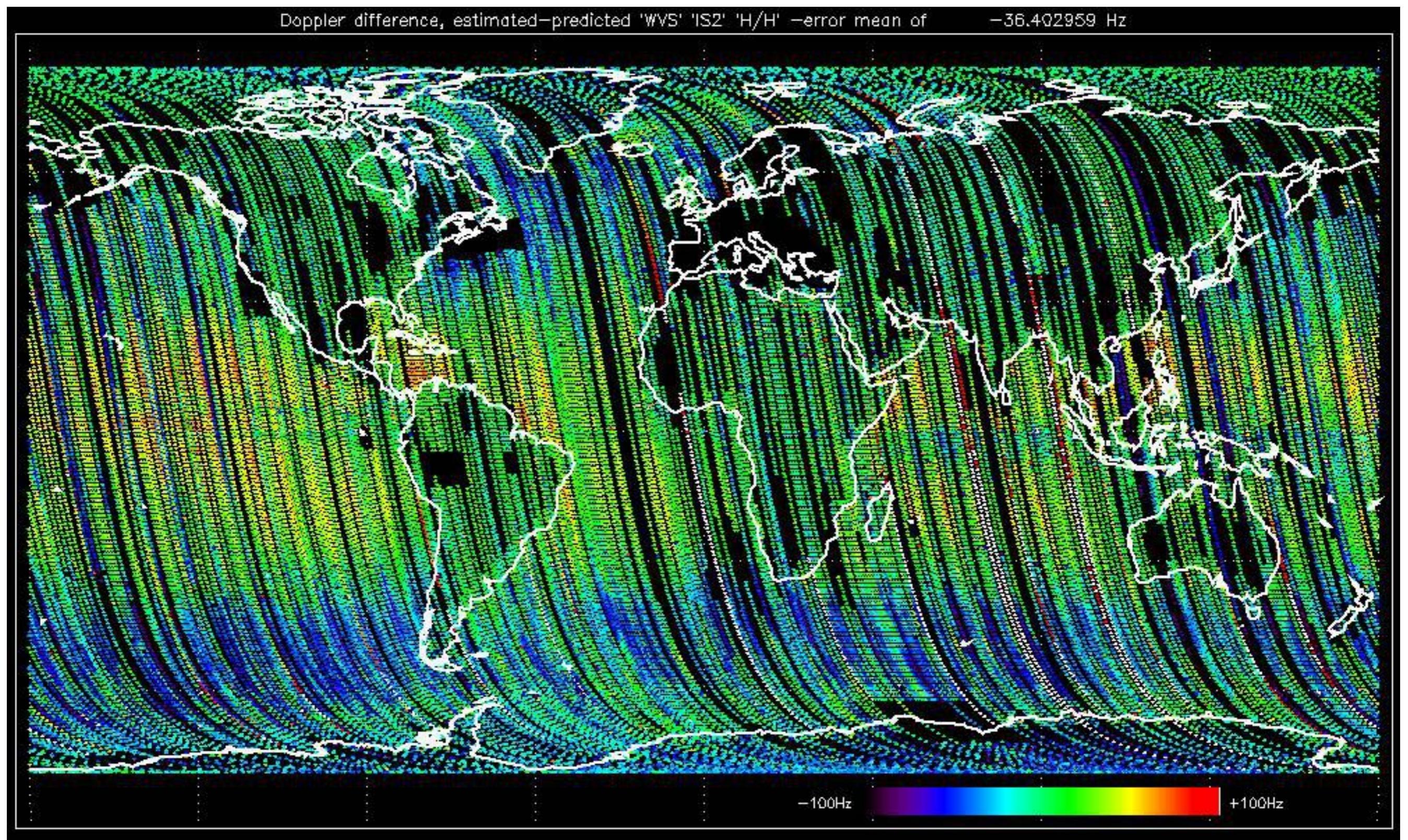


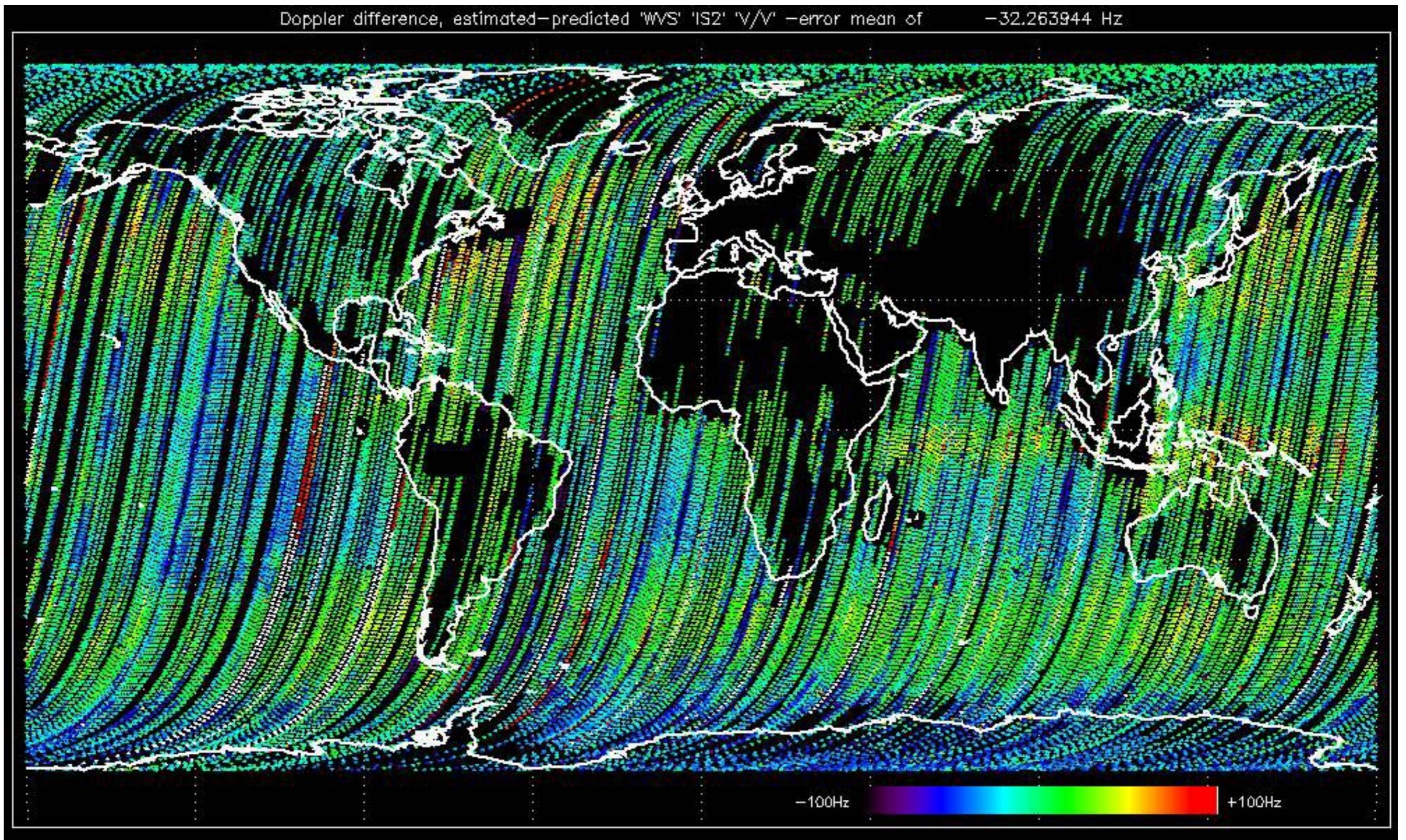












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No anomalies observed on available MS products:

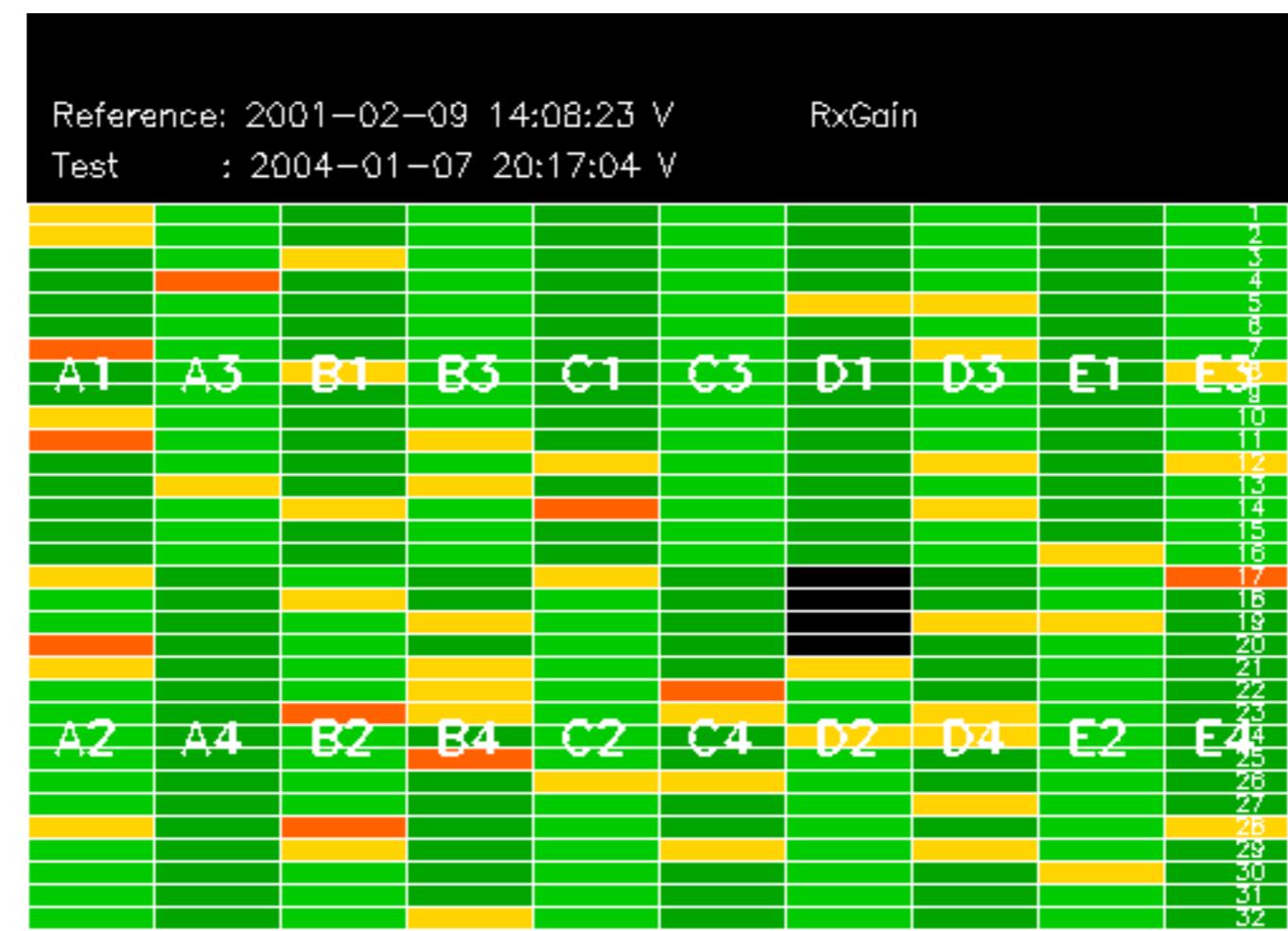
No anomalies observed.



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

RxGain

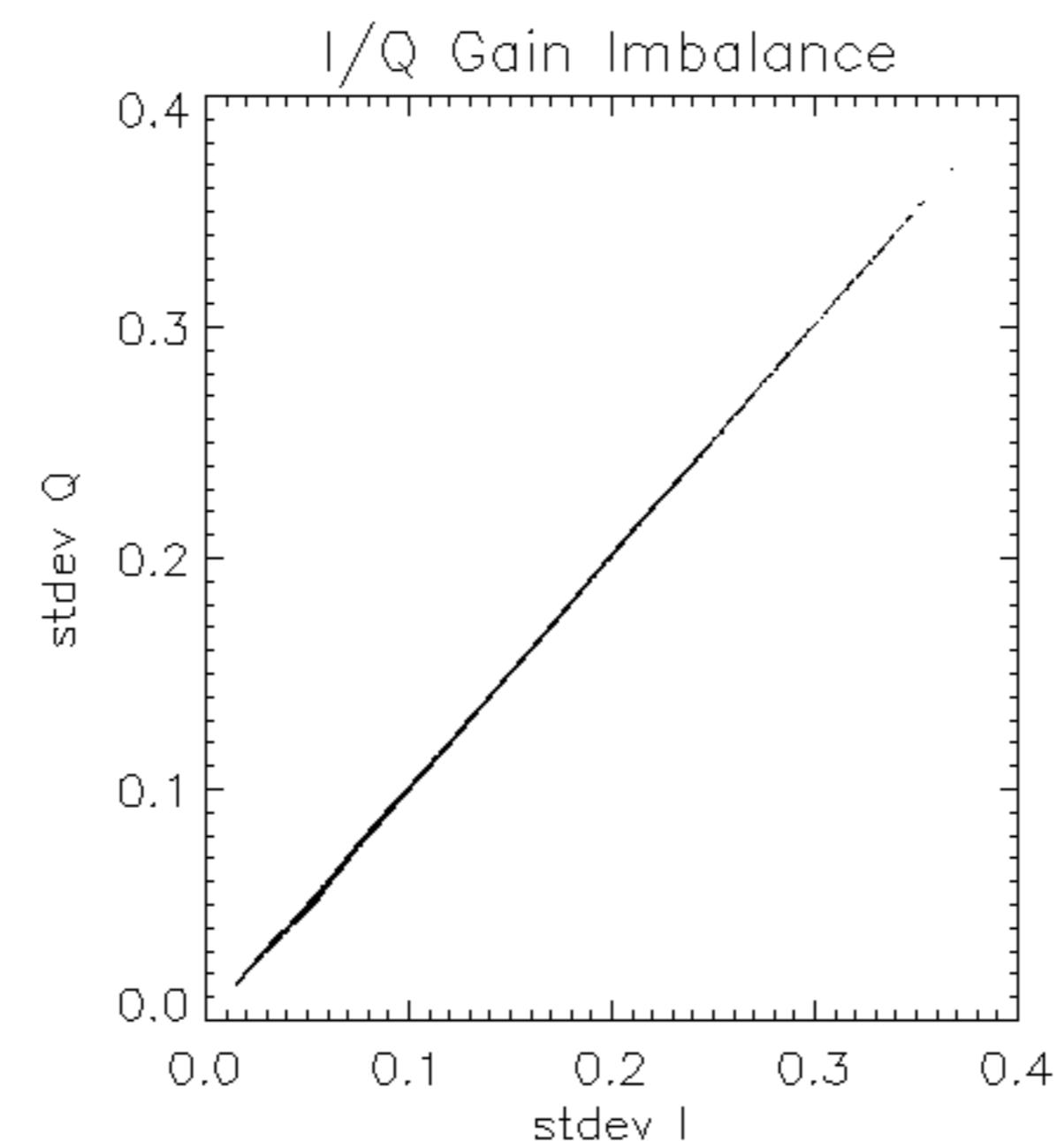
Test : 2004-01-07 20:15:44 H

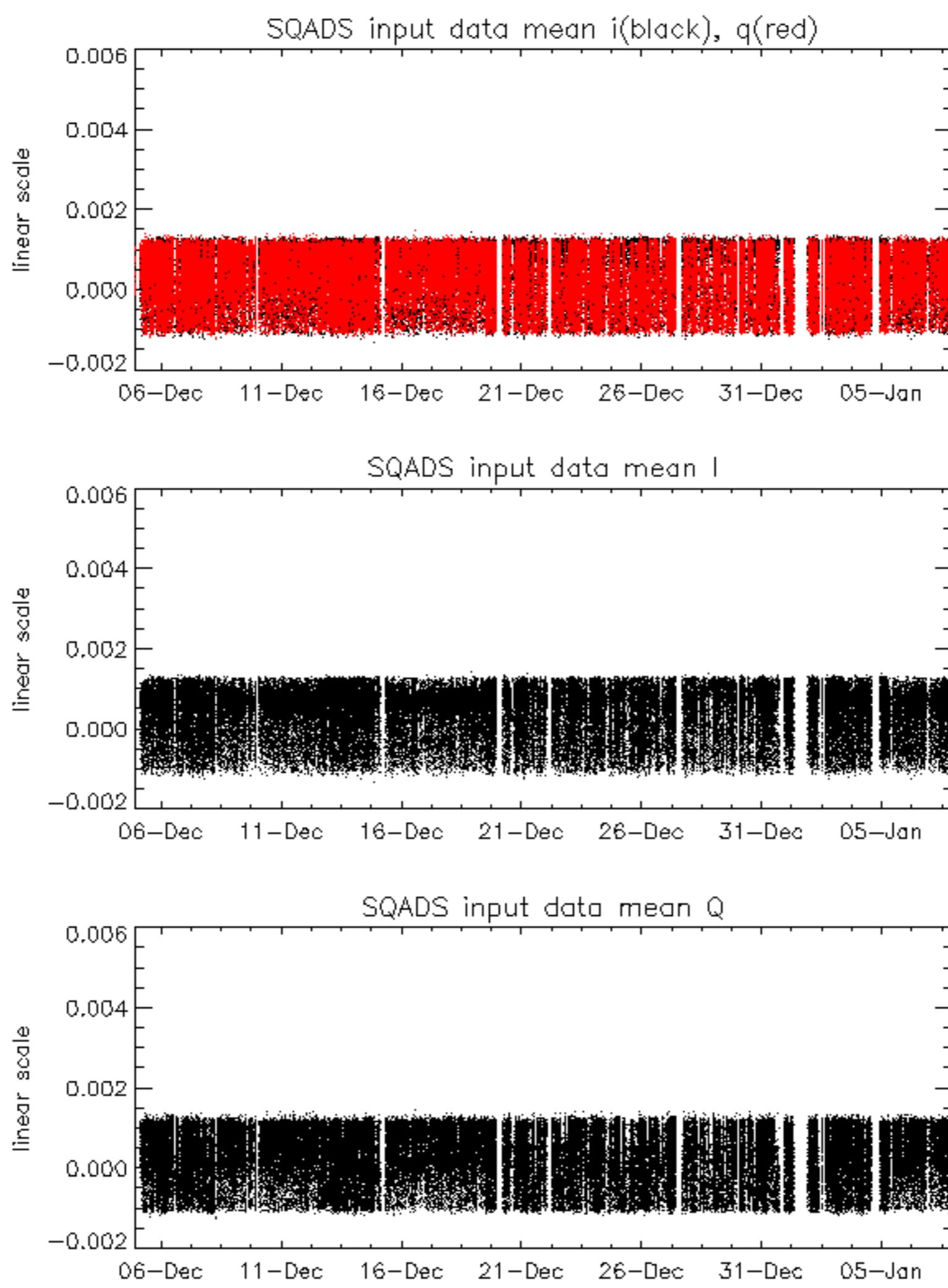


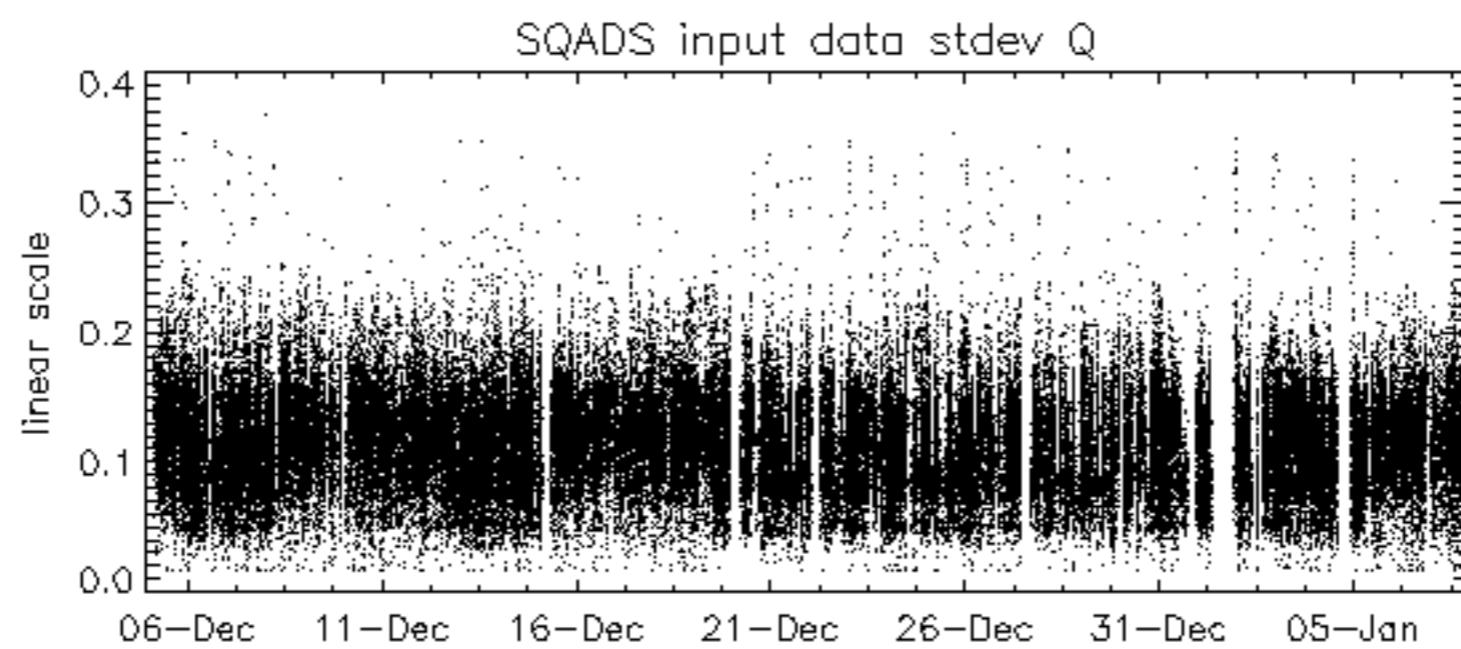
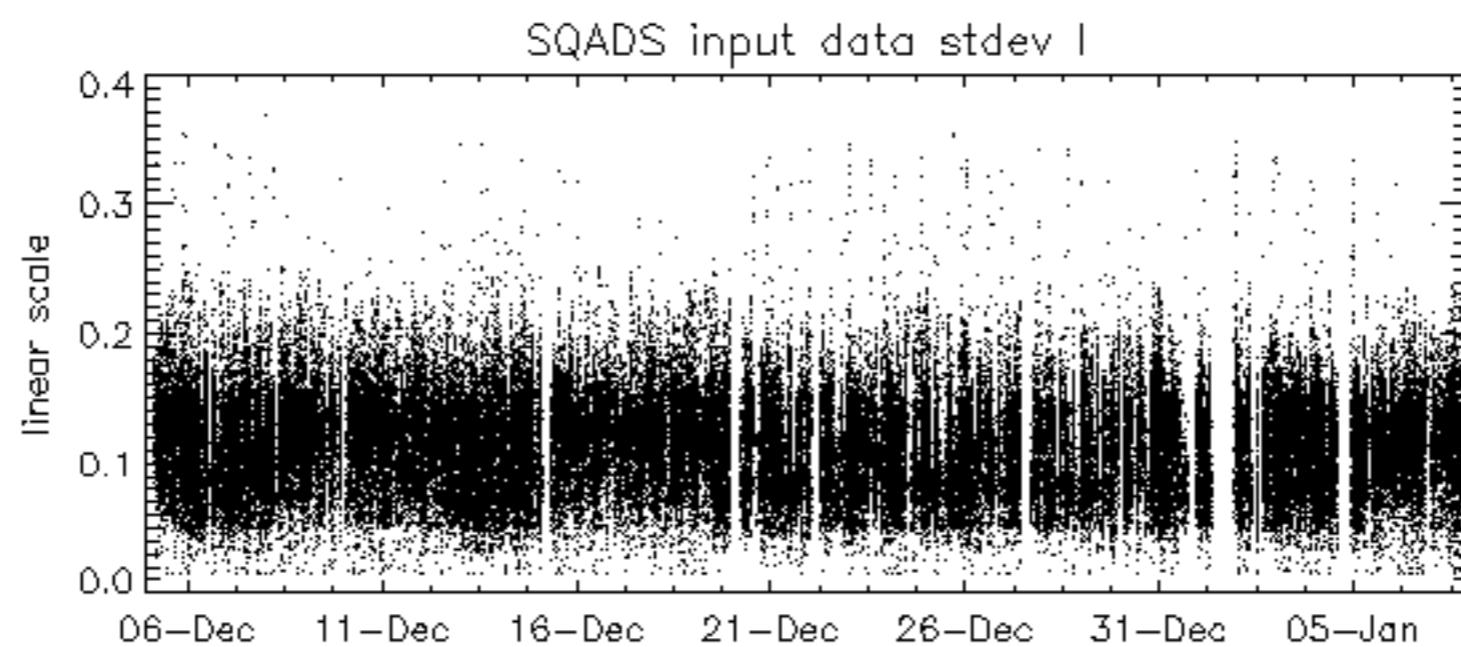
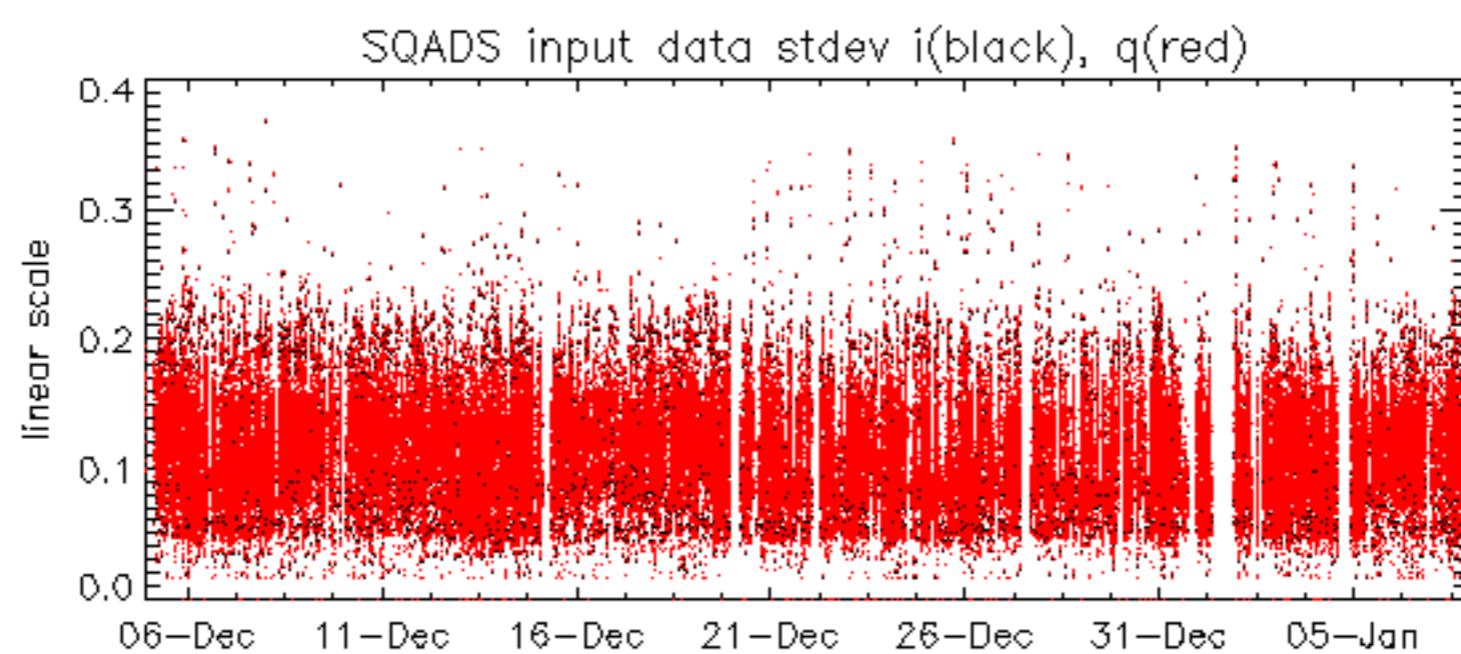
Reference:	2003-06-12 14:08:52 H	RxPhase
Test	: 2004-01-07 20:15:44 H	
		1
		2
		3
		4
		5
		6
		7
A1	A3	B1
B3	C1	C3
D1	D3	E1
E3		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19
		20
		21
		22
		23
A2	A4	B2
B4	C2	C4
D2	D4	E2
E4		24
		25
		26
		27
		28
		29
		30
		31
		32

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

Test : 2004-01-07 20:17:04 V







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

TxGain

Test : 2004-01-07 20:15:44 H

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

TxGain

Test : 2004-01-07 20:15:44 H

Reference:	2003-06-12 14:10:32 V	TxGain
Test	: 2004-01-07 20:17:04 V	
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	TxPhase
Test	: 2004-01-07 20:15:44 H	
		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 TxPhase

Test : 2004-01-07 20:17:04 V

No unavailabilities during the reported period.

