

# REPORT OF 031222

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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

Preliminary report. Instrument unavailabilities are not yet reported

### 2.2 - Browse Visual Inspection

Preliminary report. Browse are not yet controled

### 2.3 - Data Analysis

Preliminary report. The data is not yet controled

### 3 - Module Stepping Mode

-Preliminary report. MS data is not yet controled

Polarisation	Start Time
V	20031221 191057
H	20031220 194114

#### 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

-Preliminary report.The data is not yet controled

#### 4.1 - Daily statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.71924	-22.5726	-8.16795
	stdev	0.00784937	0.0578174	0.00340835
24	mean	-5.05690	-21.1995	-8.16795
	stdev	0.0101187	0.0554288	0.00340835

## 4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.76584	-22.5602	-8.14866
	stdev	0.0805354	0.0722646	0.00529320
24	mean	-5.09359	-21.2180	-8.14866
	stdev	0.0137993	0.0657649	0.00529320



## 4.3 - cal pulses monitoring (all rows)



## 5 - RAW data statistics

-Preliminary report. The data is not yet controled

### 5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000339394
	stdev	1.14344e-05
MEAN Q	mean	0.000200909
	stdev	1.14432e-05



### 5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.115983
	stdev	0.00152229
STDEV Q	mean	0.116232
	stdev	0.00153763



### 5.3 - Gain imbalance I/Q



## 6 - Wave Doppler Analysis

Preliminary report. The data is not yet controlled

### 6.1 - Unbiased Doppler Error

#### Evolution of unbiased Doppler error (Real - Expected)

Ascending
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Descending
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### 6.2 - Absolute Doppler

#### Evolution of Absolute Doppler

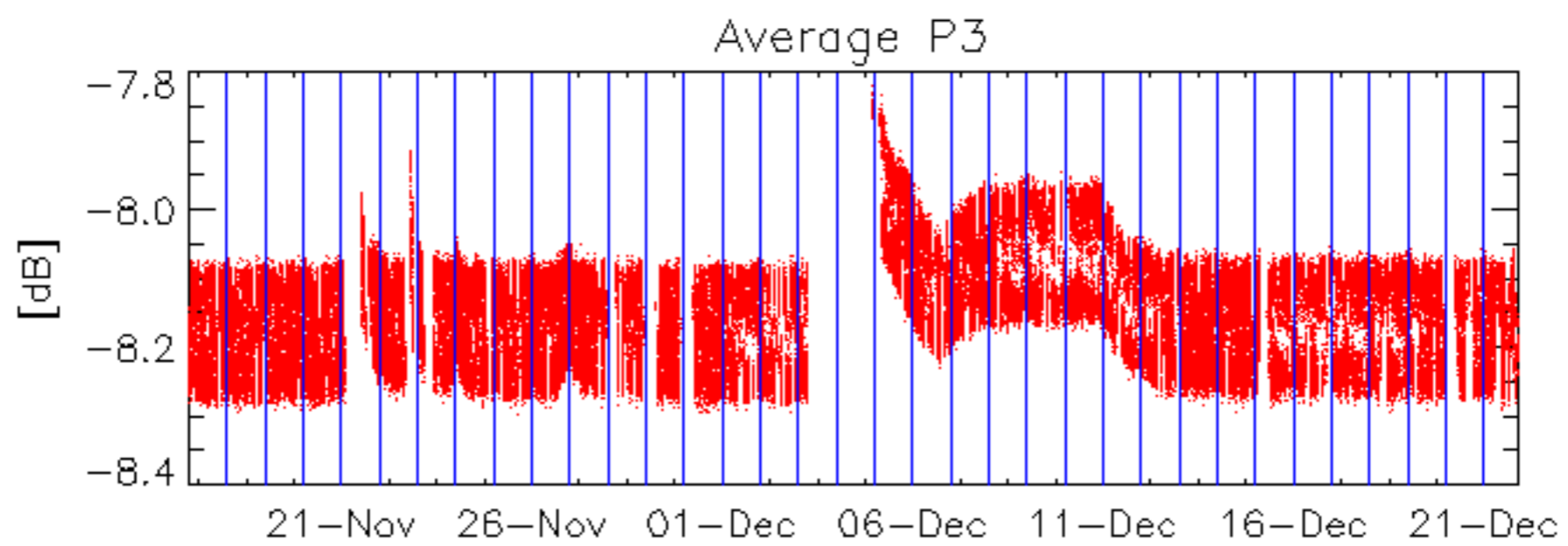
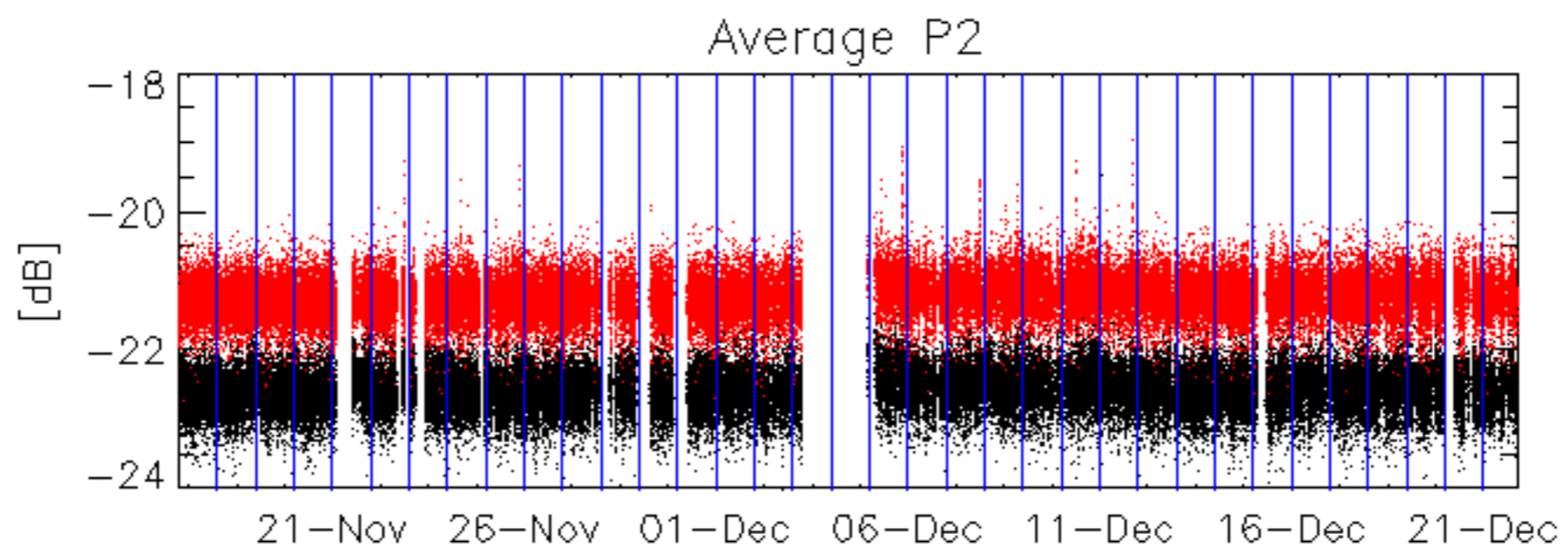
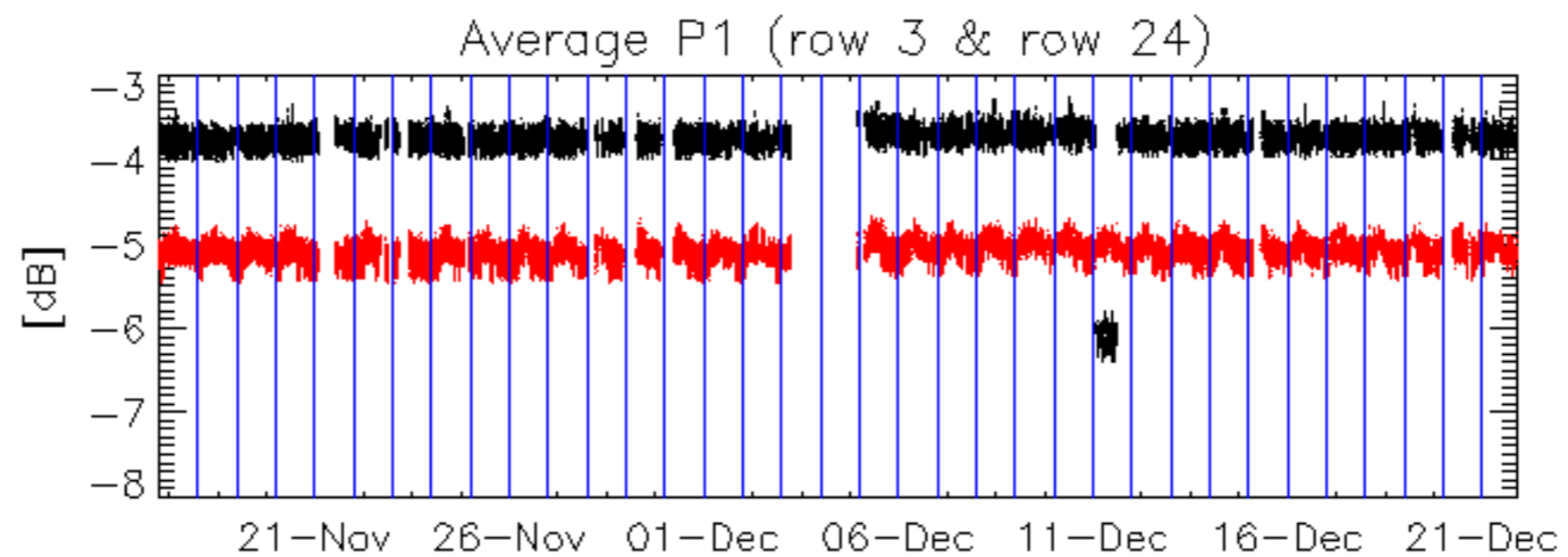
Ascending
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Descending
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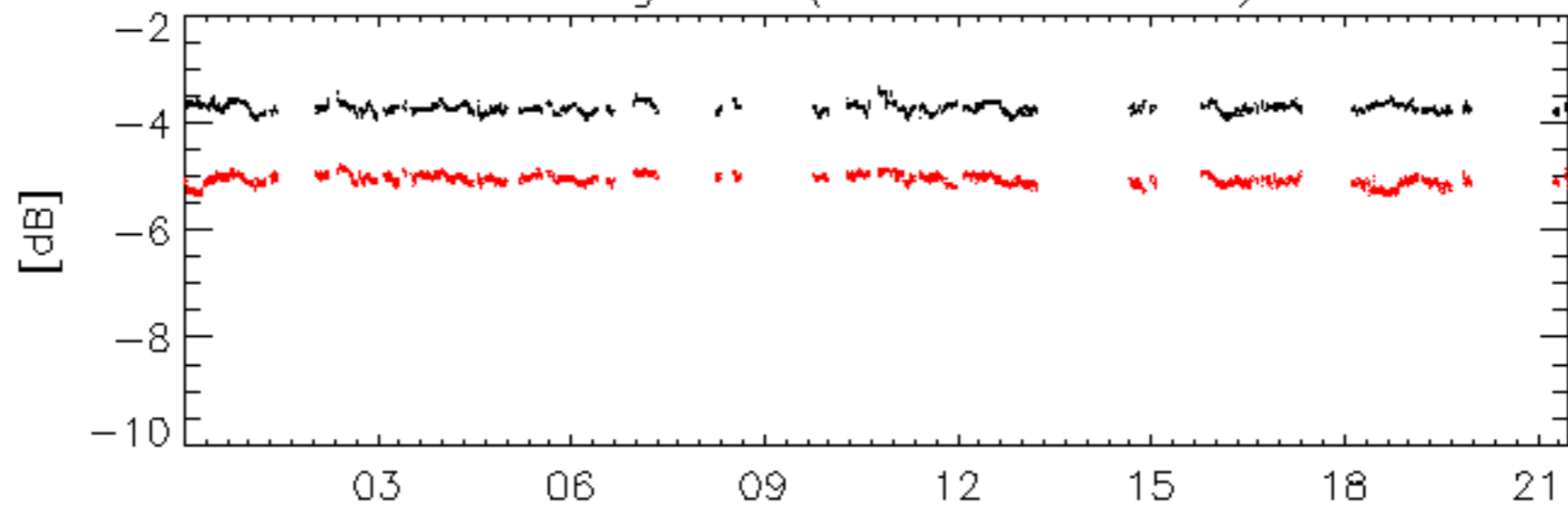
### 6.3 - Doppler evolution versus ANX

#### Evolution Doppler error versus ANX

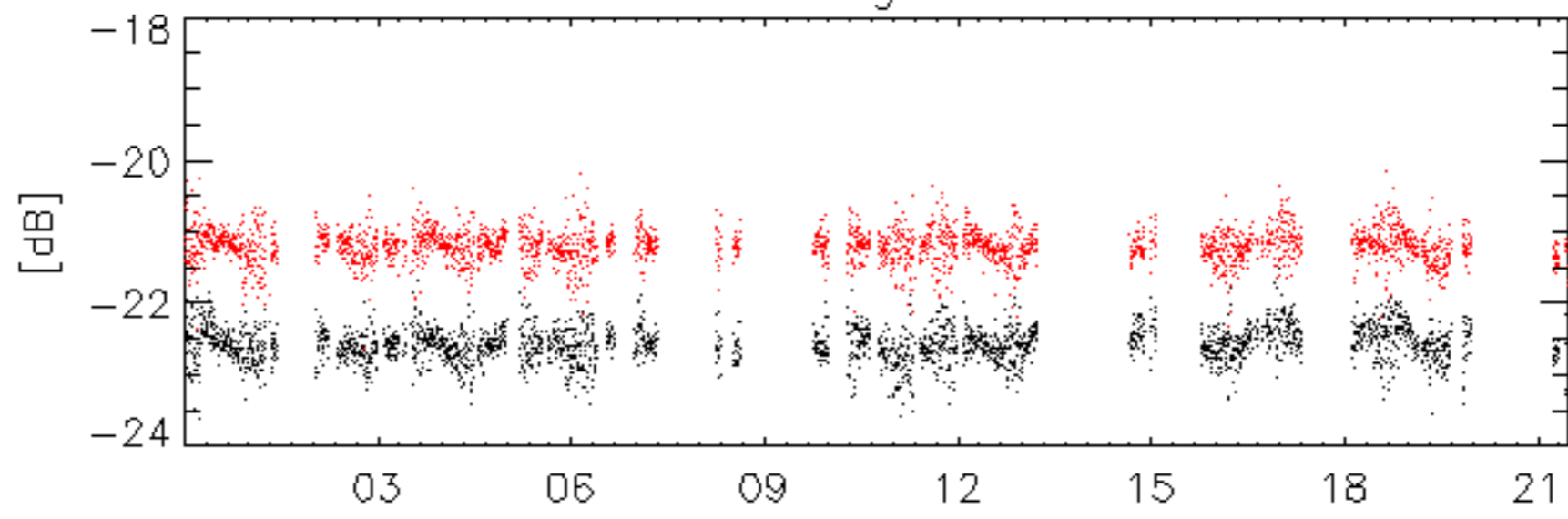




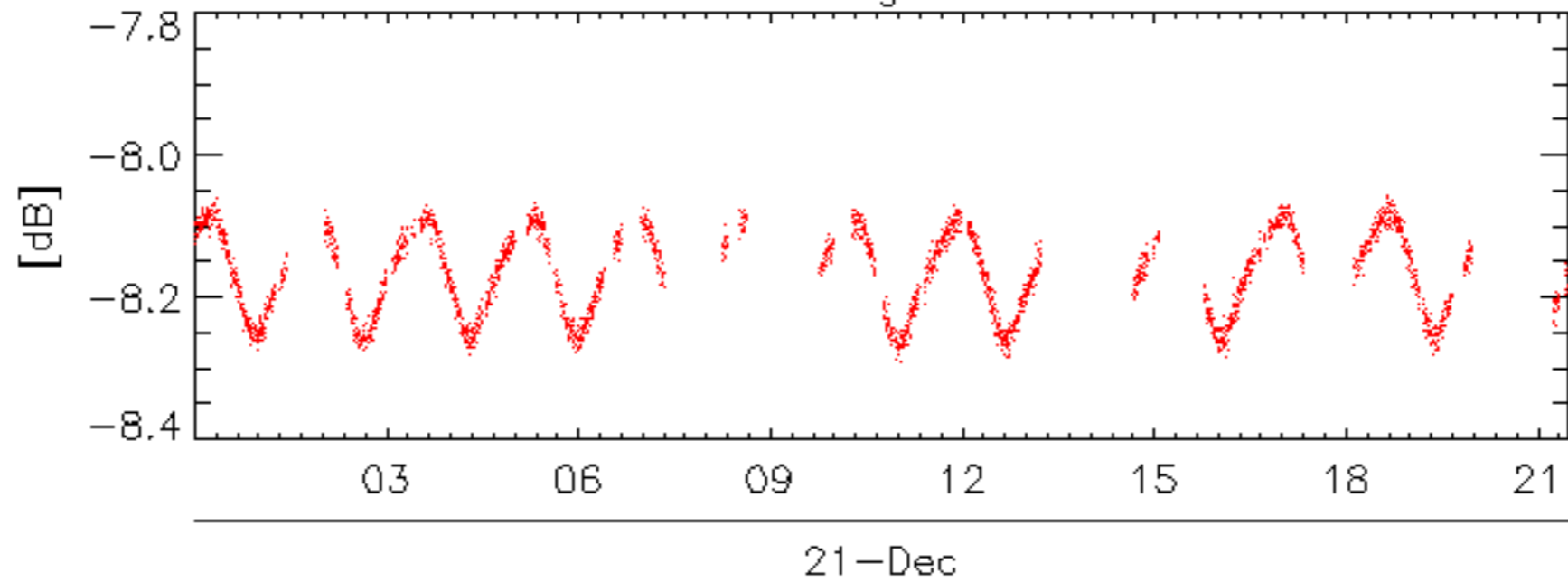
Average P1 (row 3 & row 24)



21-Dec  
Average P2



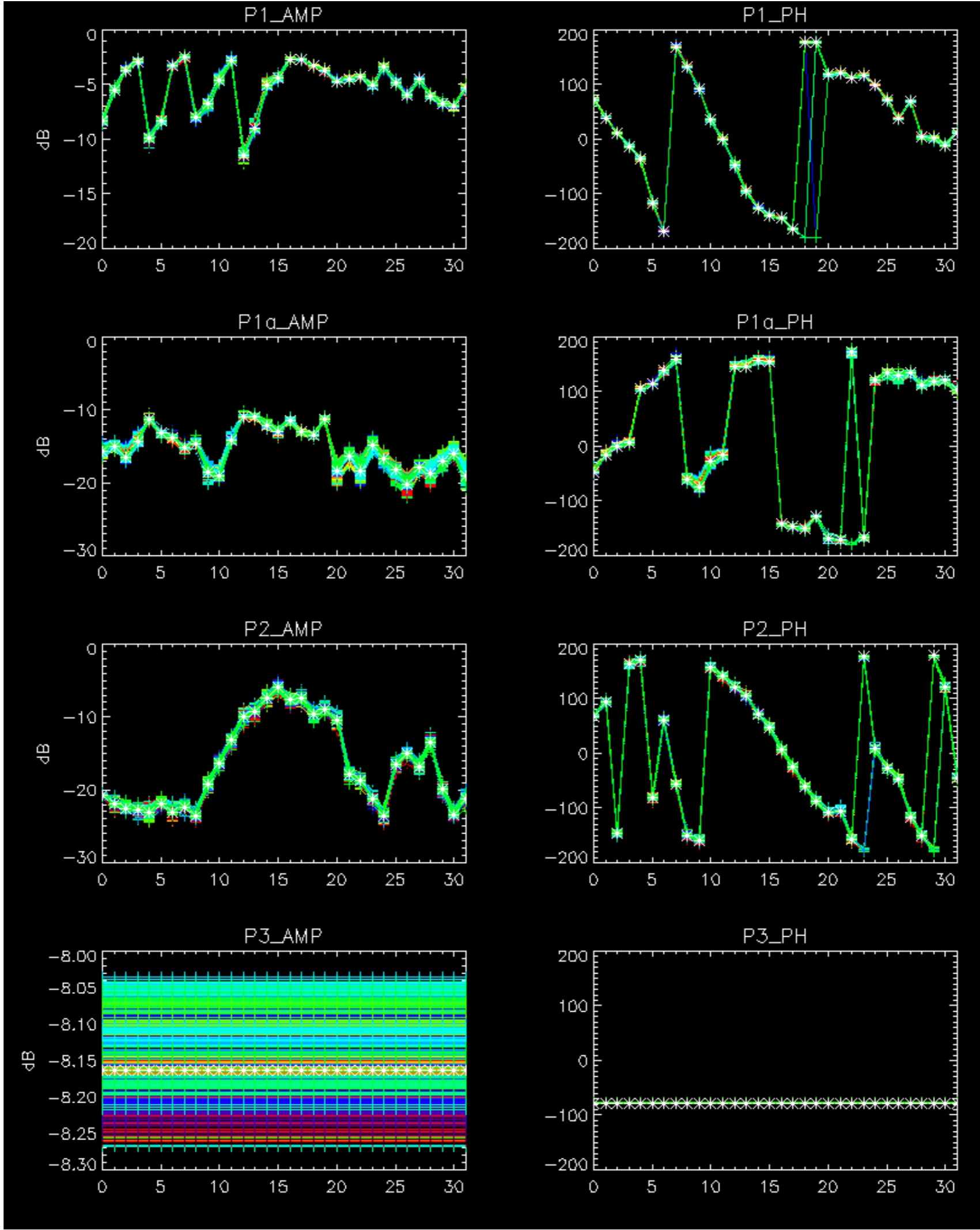
21-Dec  
Average P3





-Preliminary report.The data is not yet controled

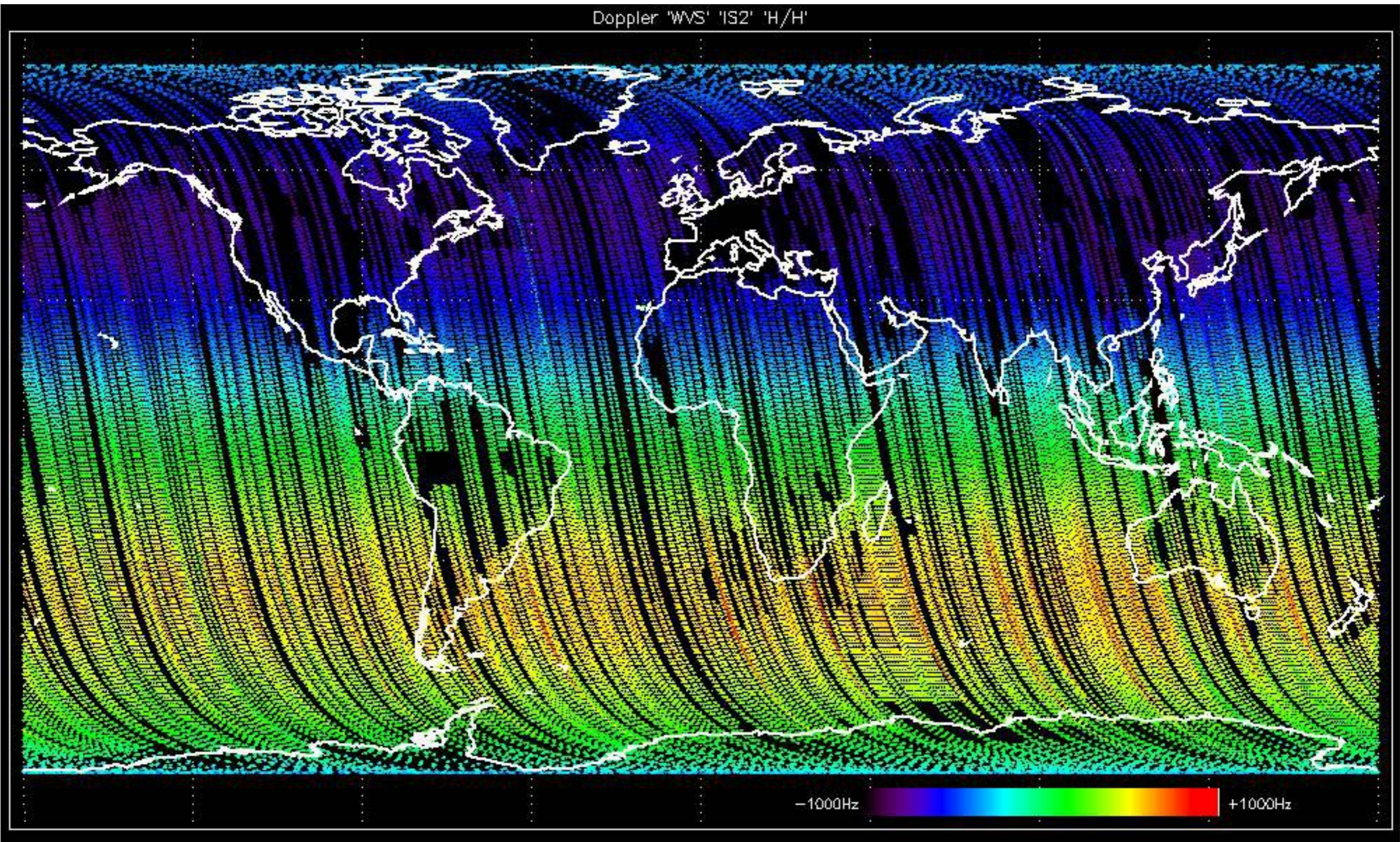




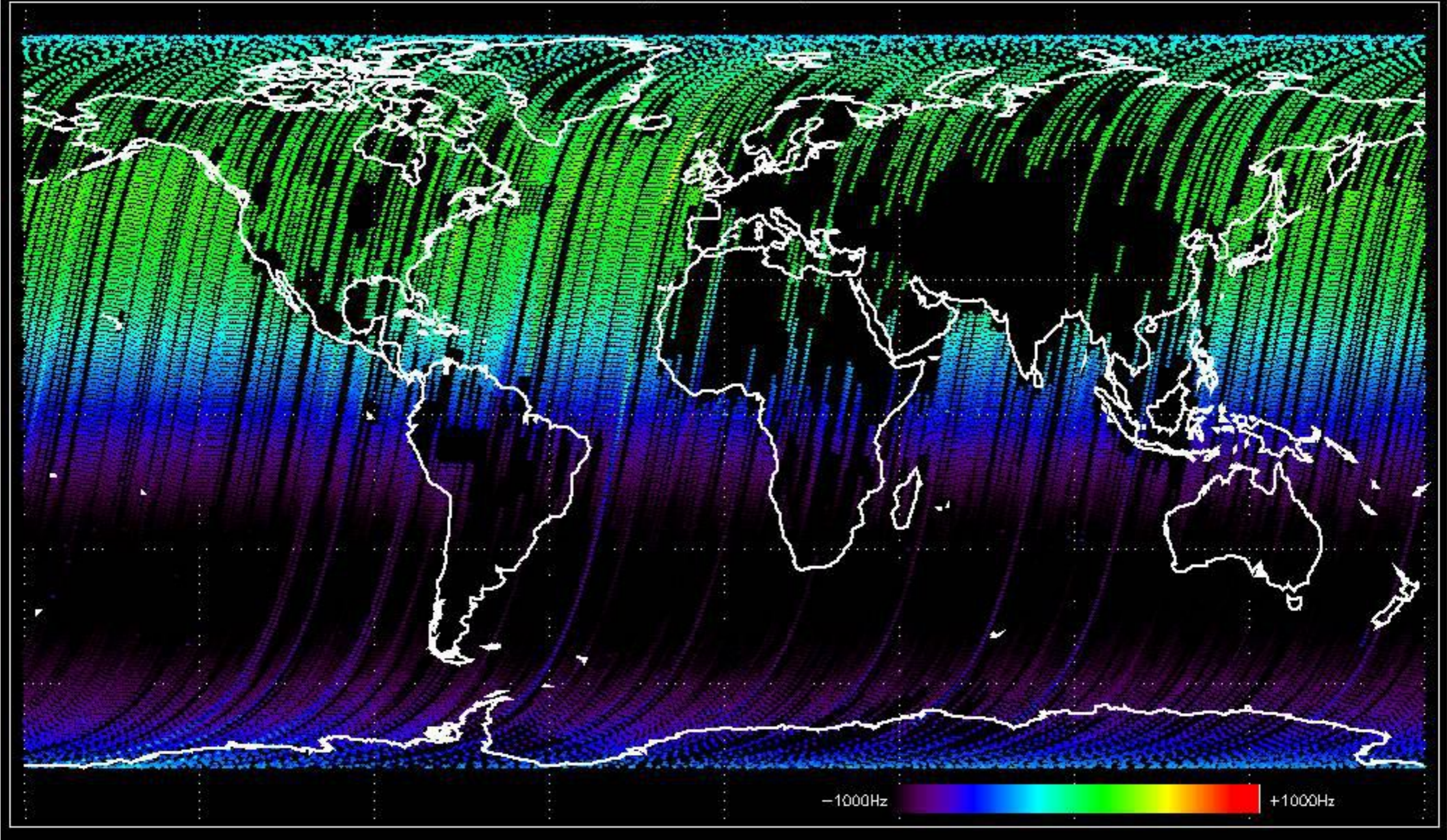


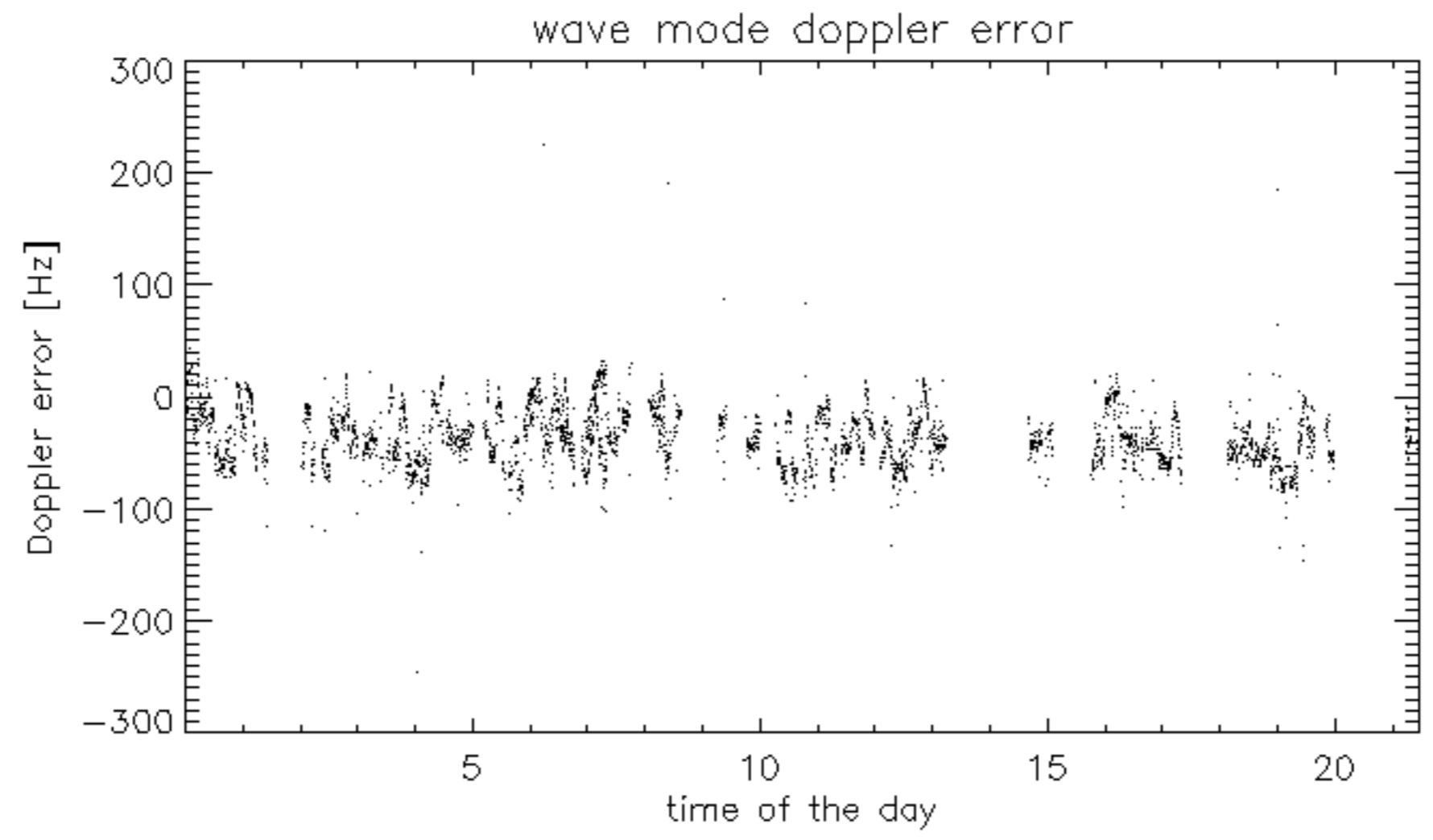
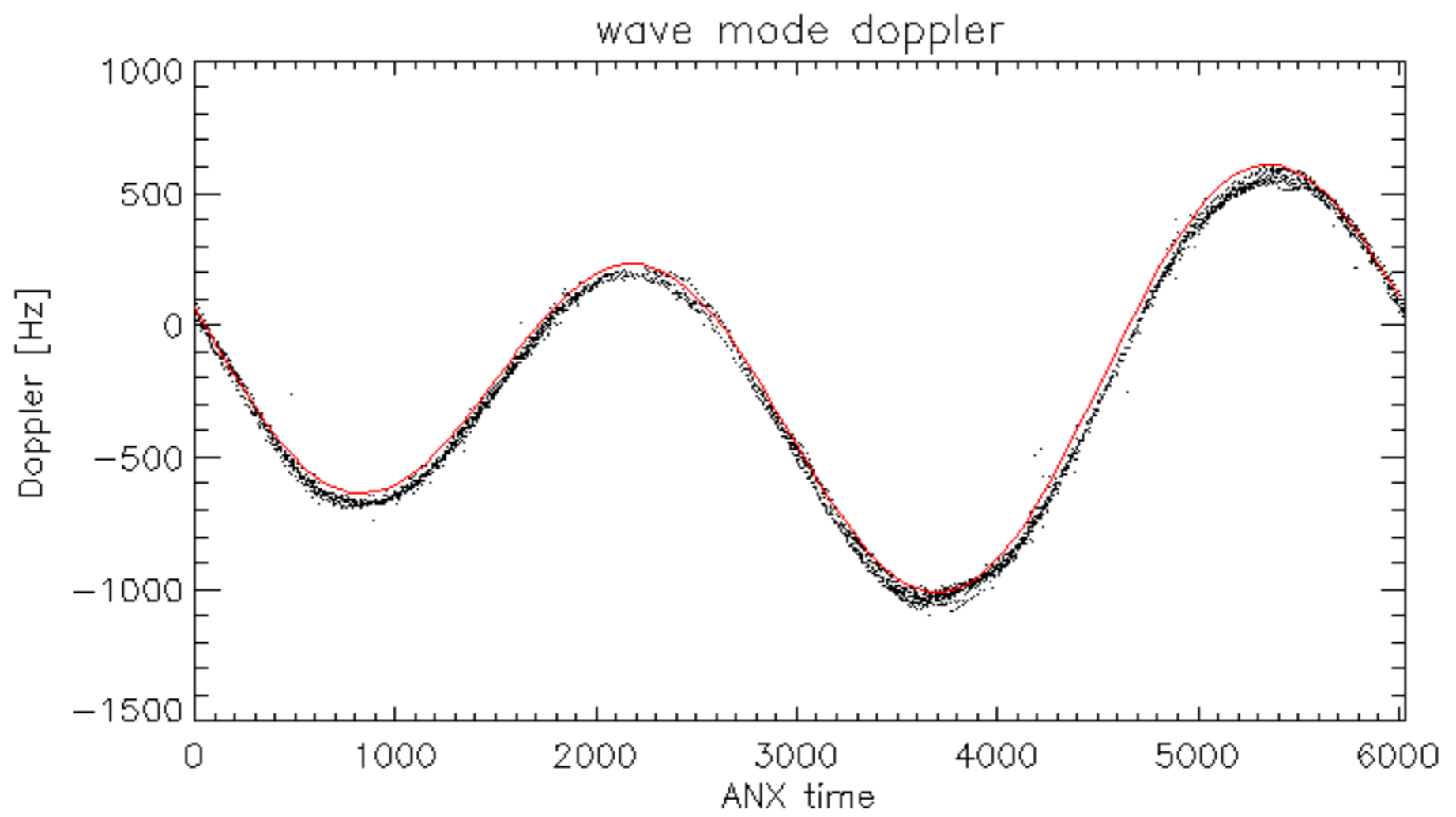


Doppler 'WVS' 'IS2' 'H/H'

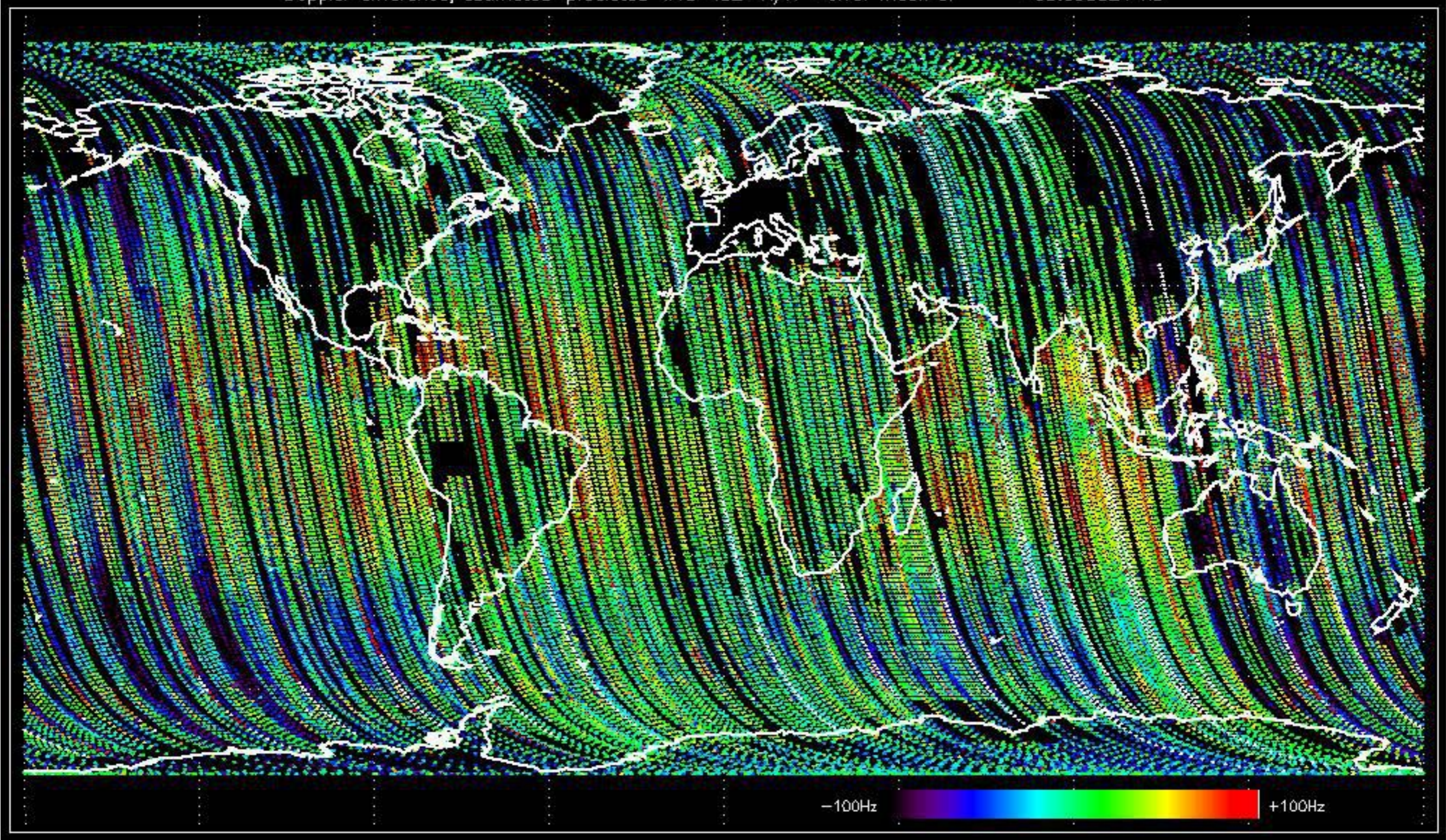


Doppler 'WS' 'IS2' 'V/V'

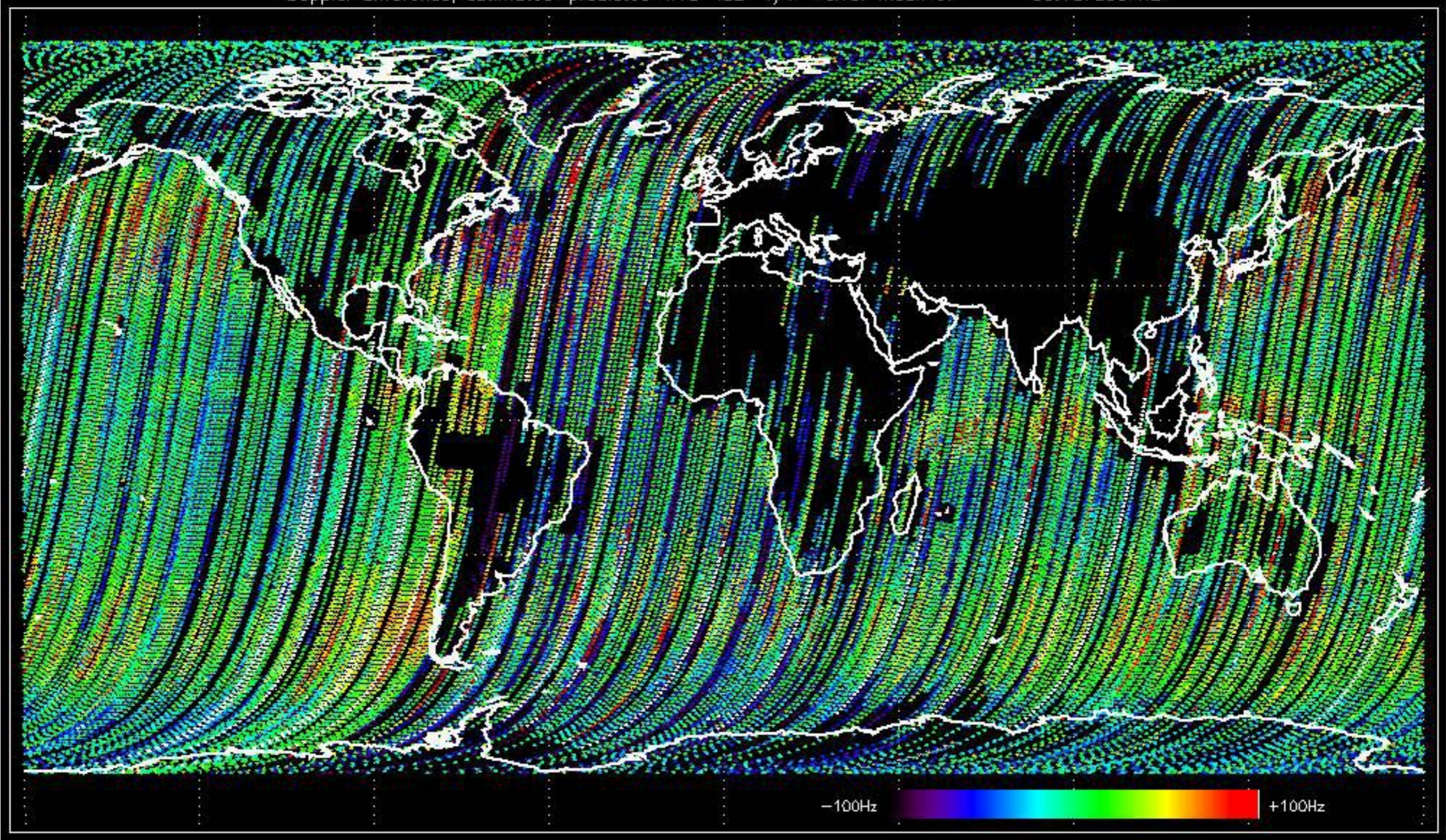




Doppler difference, estimated-predicted 'WVS' 'IS2' 'H/H' -error mean of -59.690824 Hz



Doppler difference, estimated-predicted 'WVS' 'IS2' 'V/V' -error mean of -53.187399 Hz



-100Hz  +100Hz



-Preliminary report. MS data is not yet controled

-Preliminary report. The data is not yet controled



















