

PRELIMINARY REPORT OF 040125

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

1. [Introduction](#)
2. [Summary](#)
 - [Instrument Unavailability](#)
 - [Browse Visual Inspection](#)
 - [Module Stepping Results](#)
 - [Data Analysis](#)
3. [Module Stepping](#)
4. [Internal Calibration pulses](#)
 - [Daily statistics \(row 3 and 24\)](#)
 - [Cyclic statistics \(row 3 and 24\)](#)
 - [cal pulses monitoring \(all rows\)](#)
5. [Raw Data Statistics](#)
 - [raw data mean I and Q](#)
 - [raw data stdev I and Q](#)
 - [raw gain imbalance](#)
6. [Wave Doppler analysis](#)
 - [Doppler evolution versus ANX](#)

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

2.3 - Data Analysis

-Stable wave internal calibration pulses gain and phase.

- Stable raw data statistics.
- Nominal Doppler behavior.

3 - Module Stepping Mode

Polarisation Start Time

MSM in V/V polarisation

MSM in H/H polarisation

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.67675	-22.4619	-8.14395
	stdev	0.00565123	0.0618743	0.00252705
24	mean	-5.10606	-21.1185	-8.14395
	stdev	0.0152279	0.0541822	0.00252705



4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.70270	-22.5216	-8.15649
	stdev	0.00719585	0.0684621	0.00326201
24	mean	-5.22899	-21.1491	-8.15649
	stdev	0.573921	0.0628787	0.00326201



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	0.000422982
	stdev	3.04229e-07
MEAN Q	mean	0.000301794
	stdev	3.61392e-07



5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.115511
	stdev	0.00140524
STDEV Q	mean	0.115751
	stdev	0.00142007



5.3 - Gain imbalance I/Q



6 - Wave Doppler Analysis

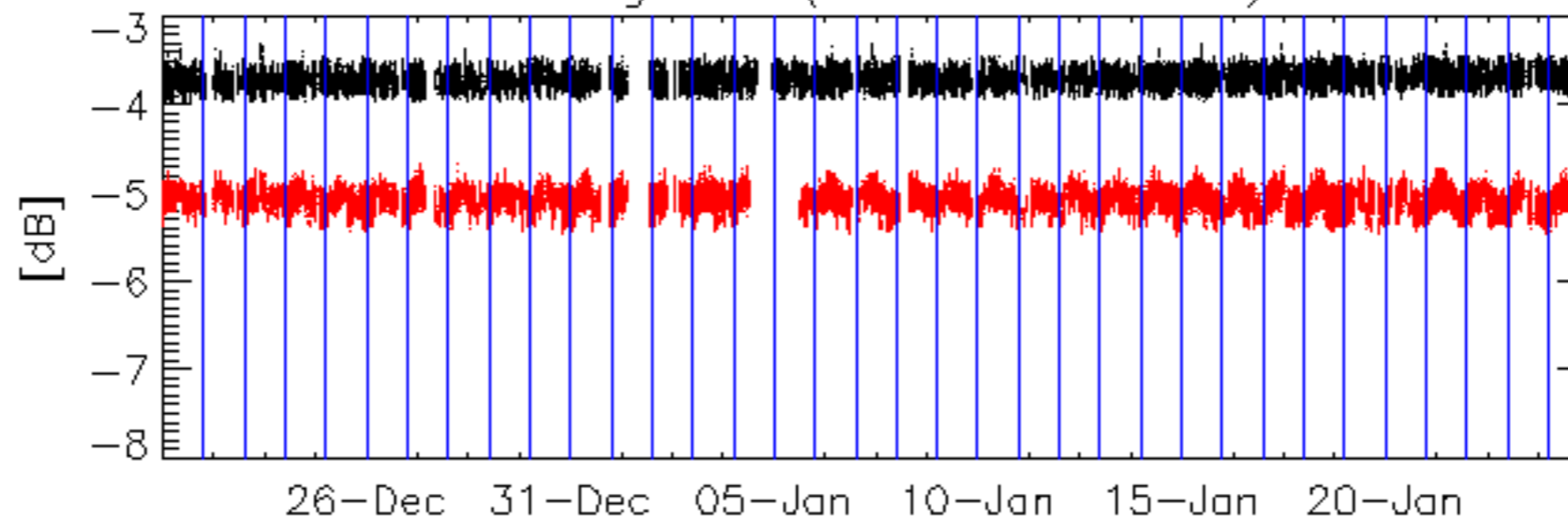
Preliminary report. The data is not yet controlled

6.1 - Doppler evolution versus ANX

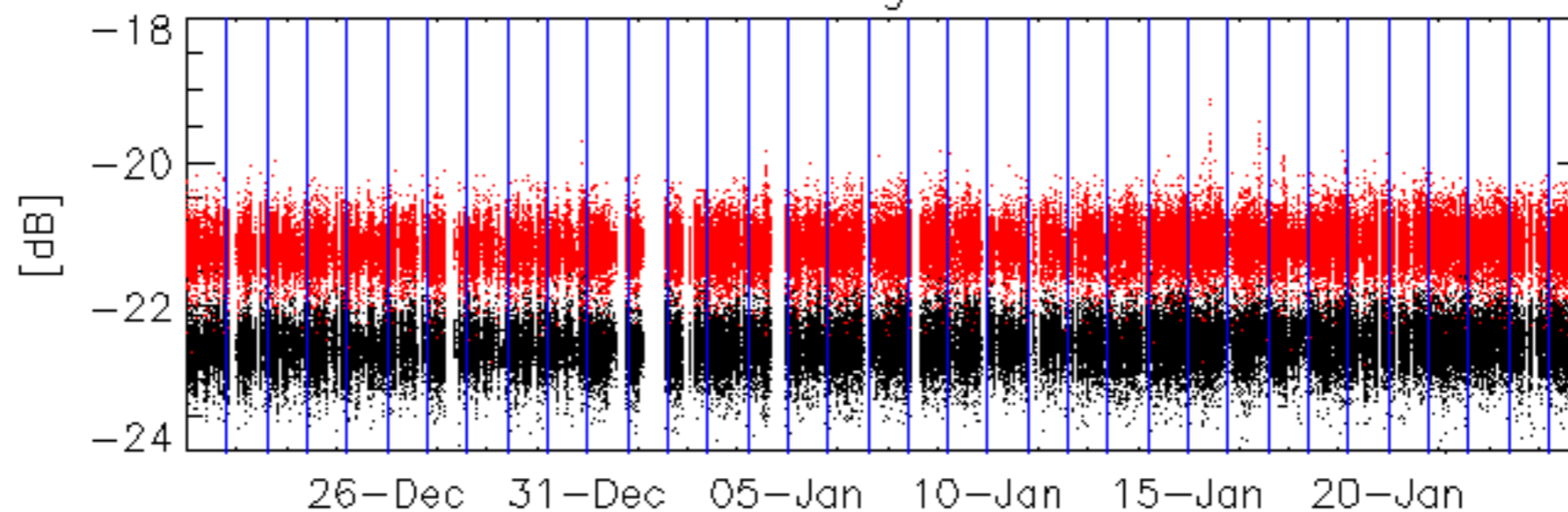
Evolution Doppler error versus ANX



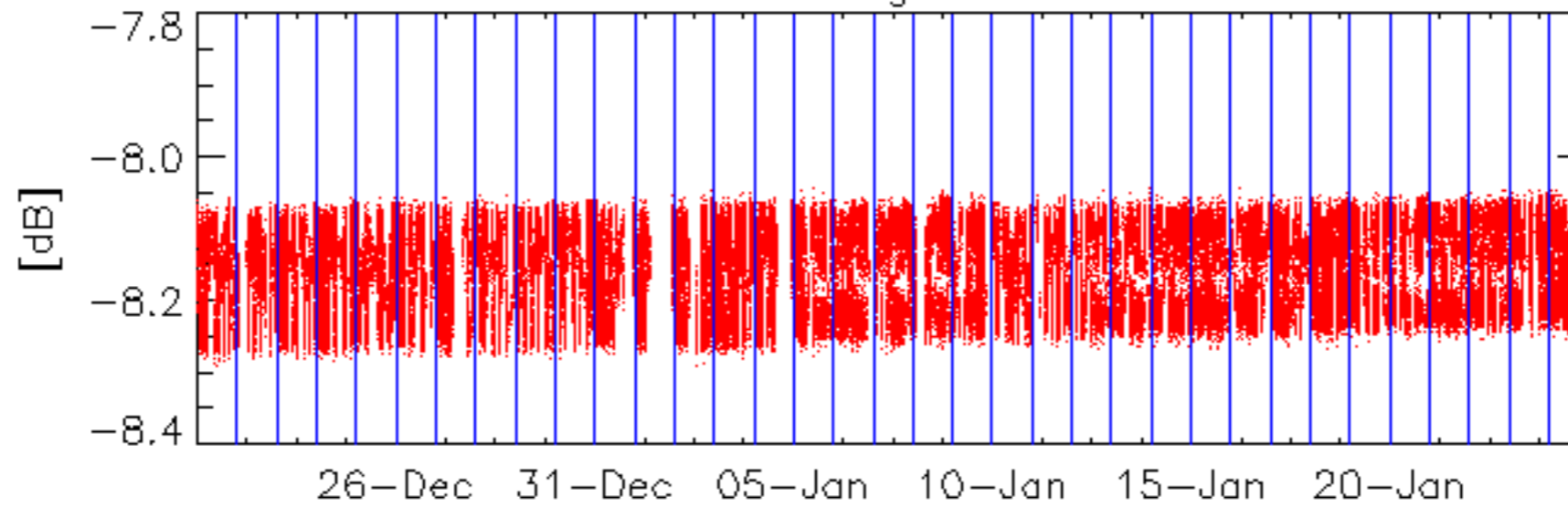
Average P1 (row 3 & row 24)



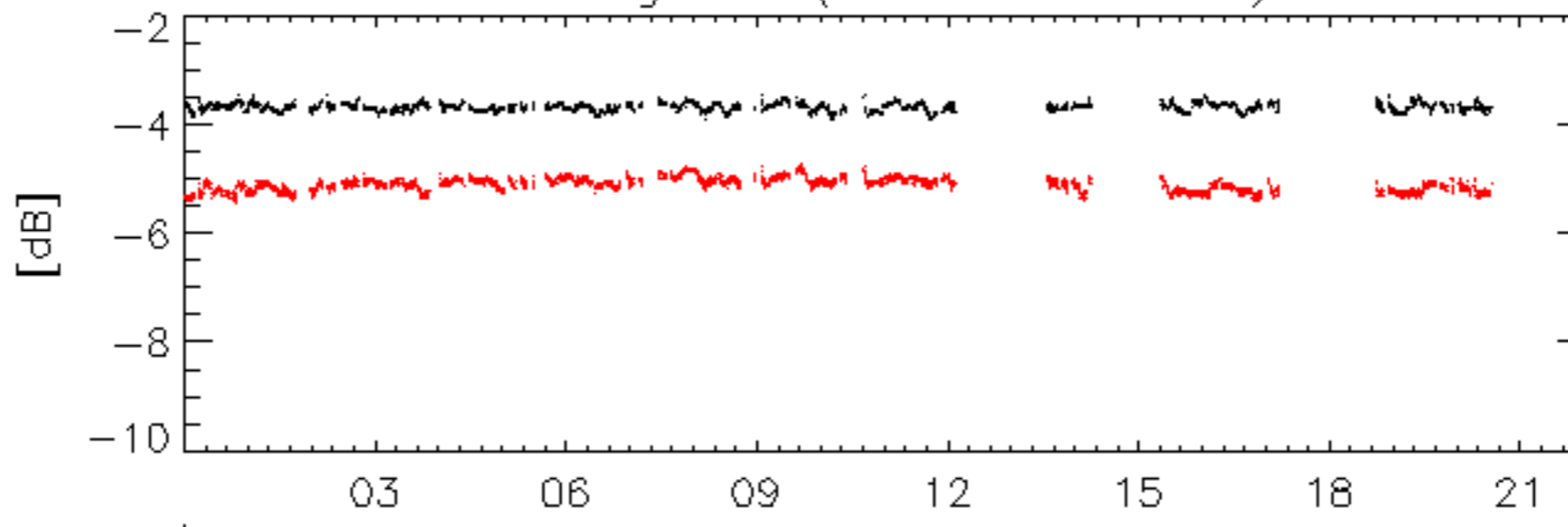
Average P2



Average P3

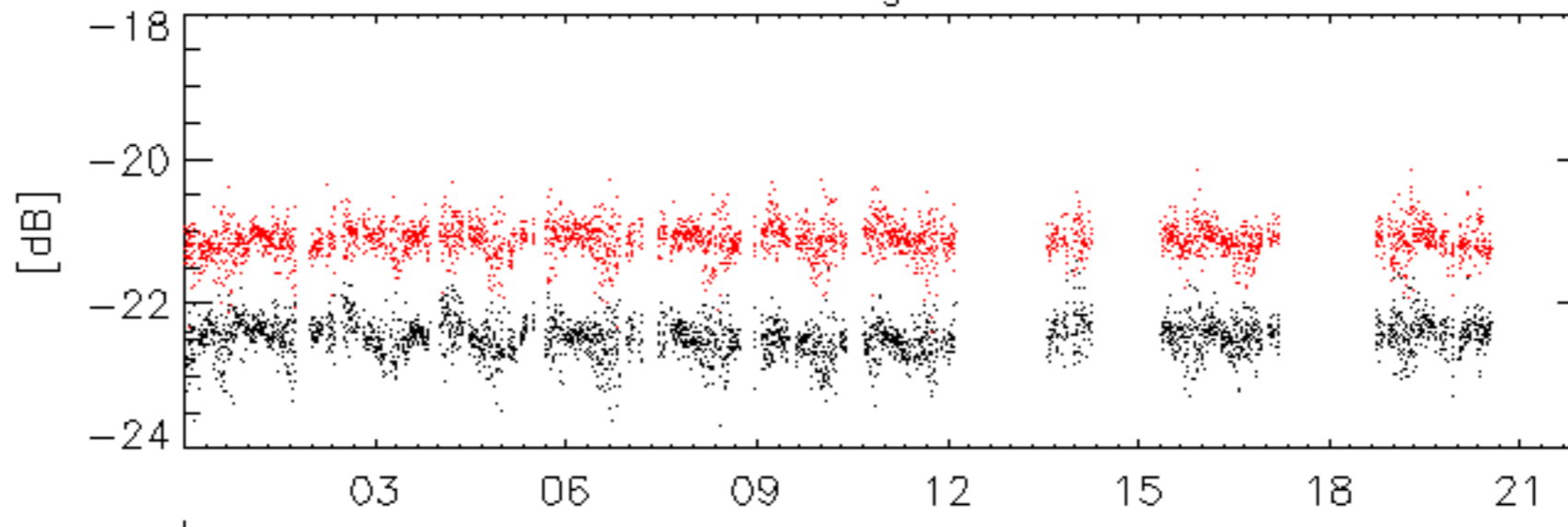


Average P1 (row 3 & row 24)



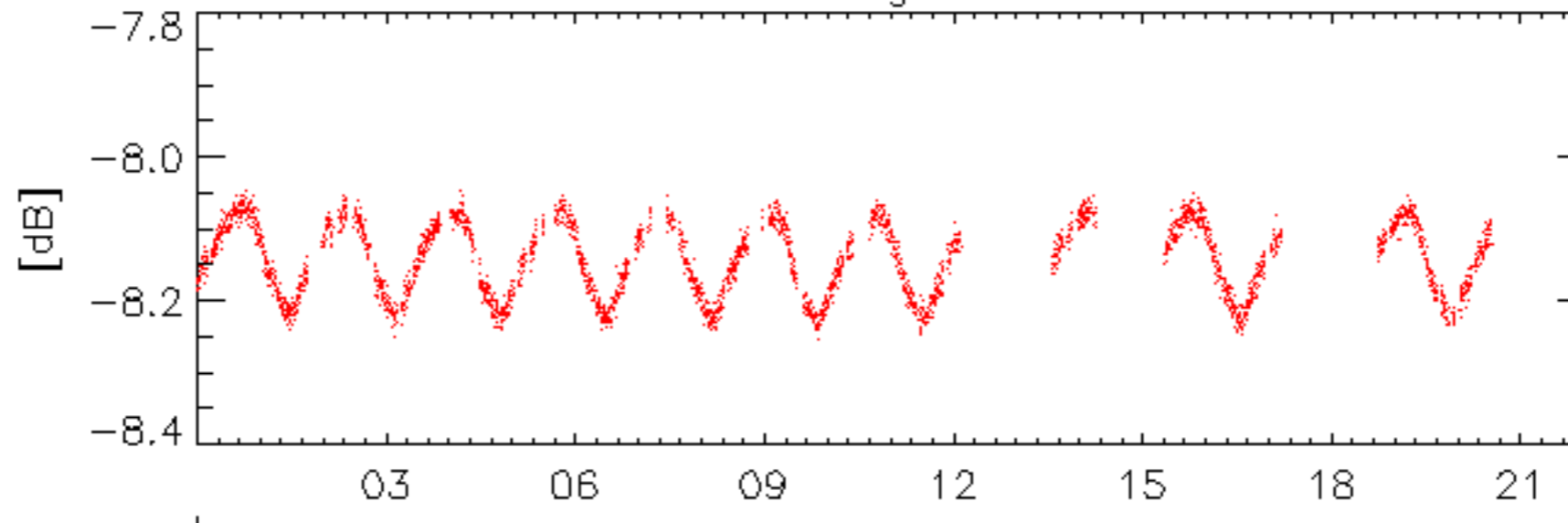
24-Jan

Average P2



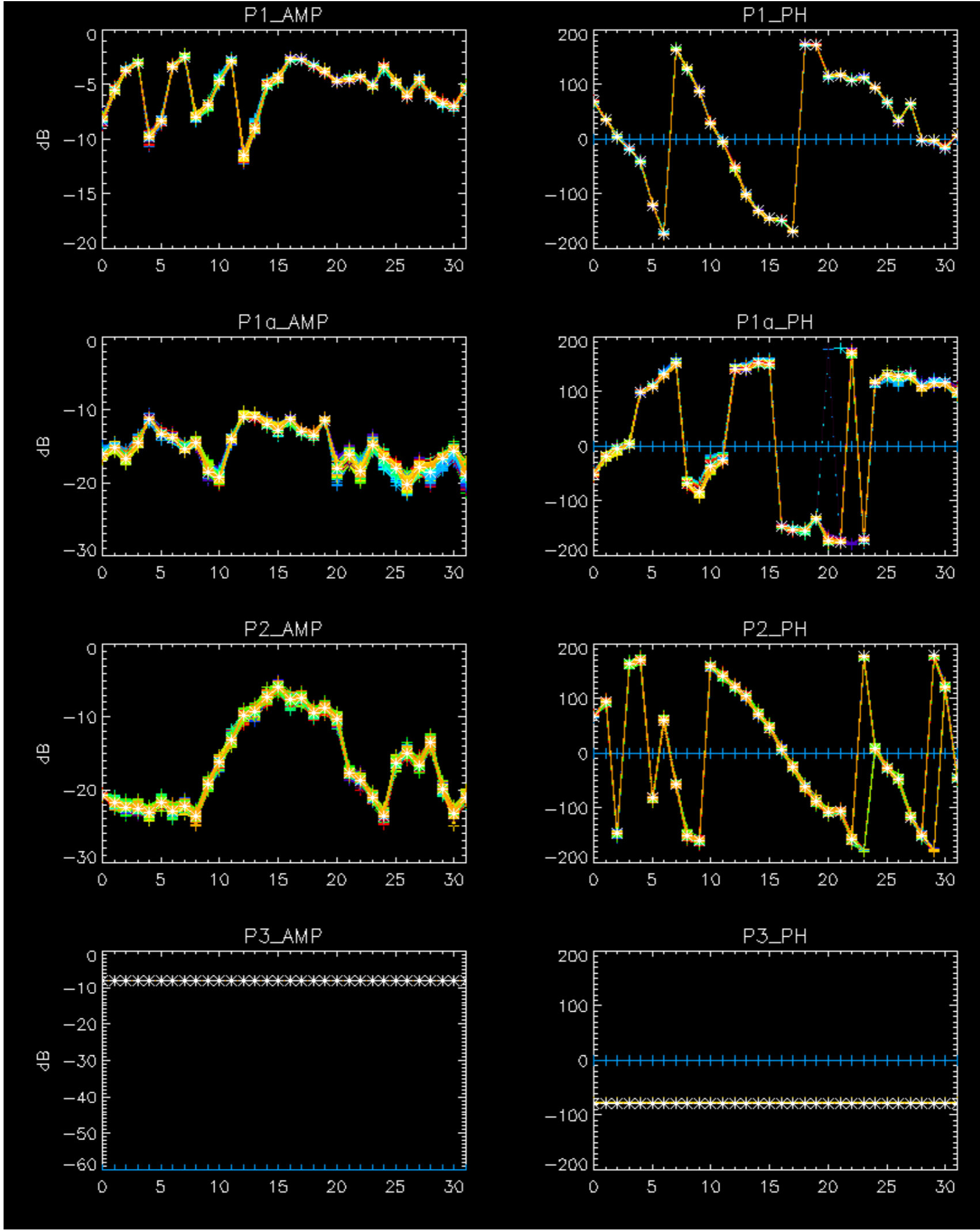
24-Jan

Average P3



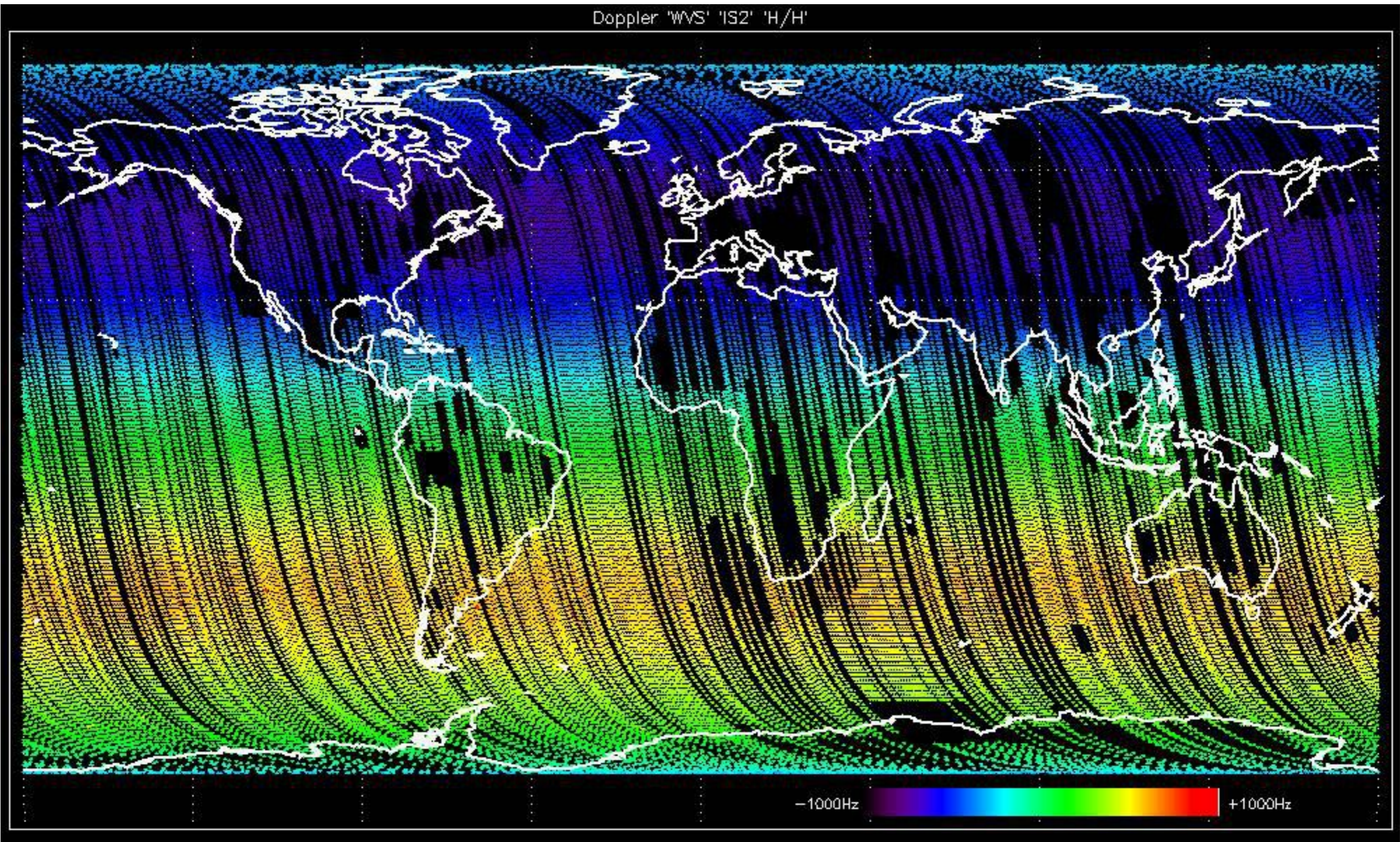
24-Jan

No anomalies observed.

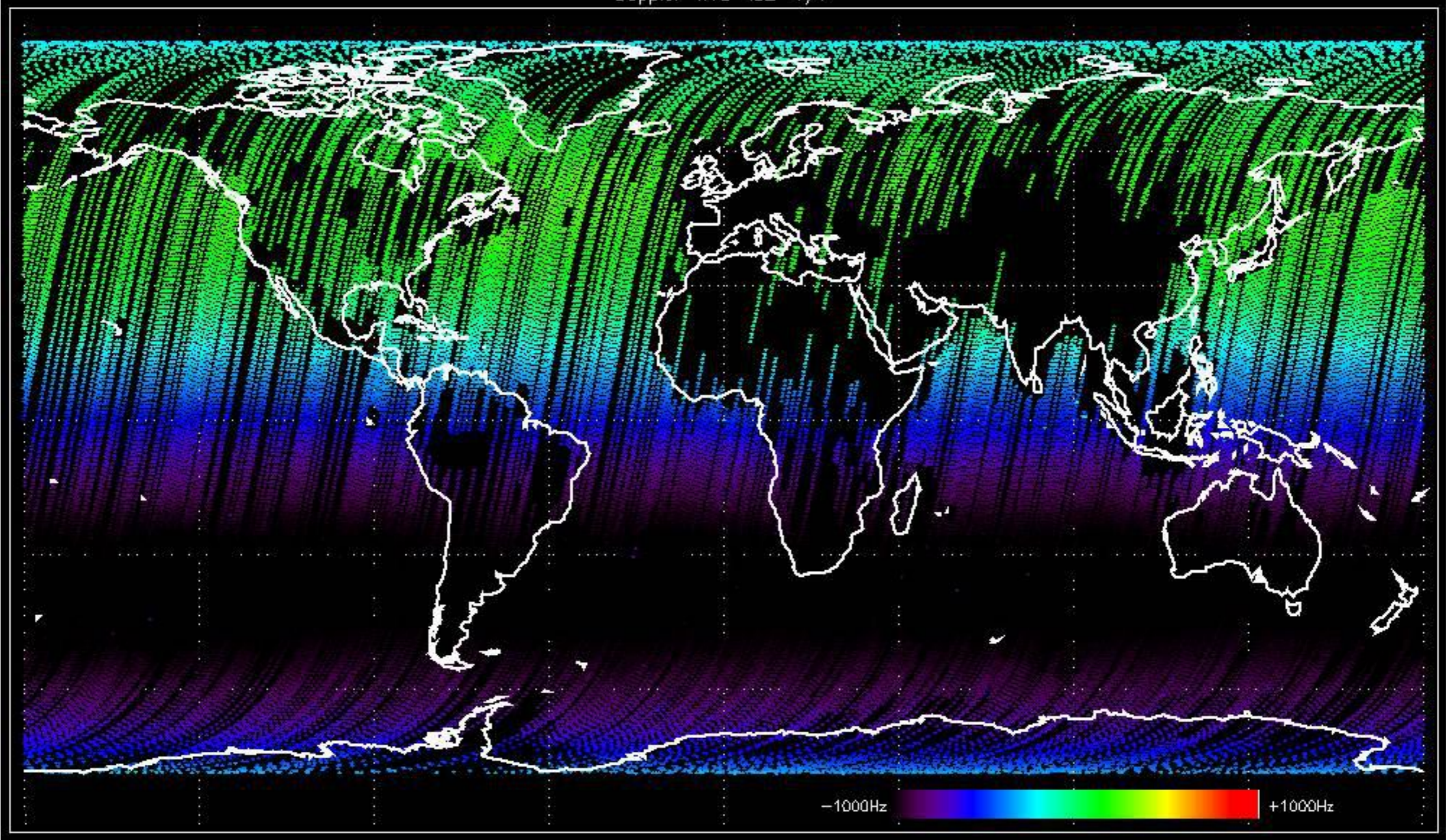


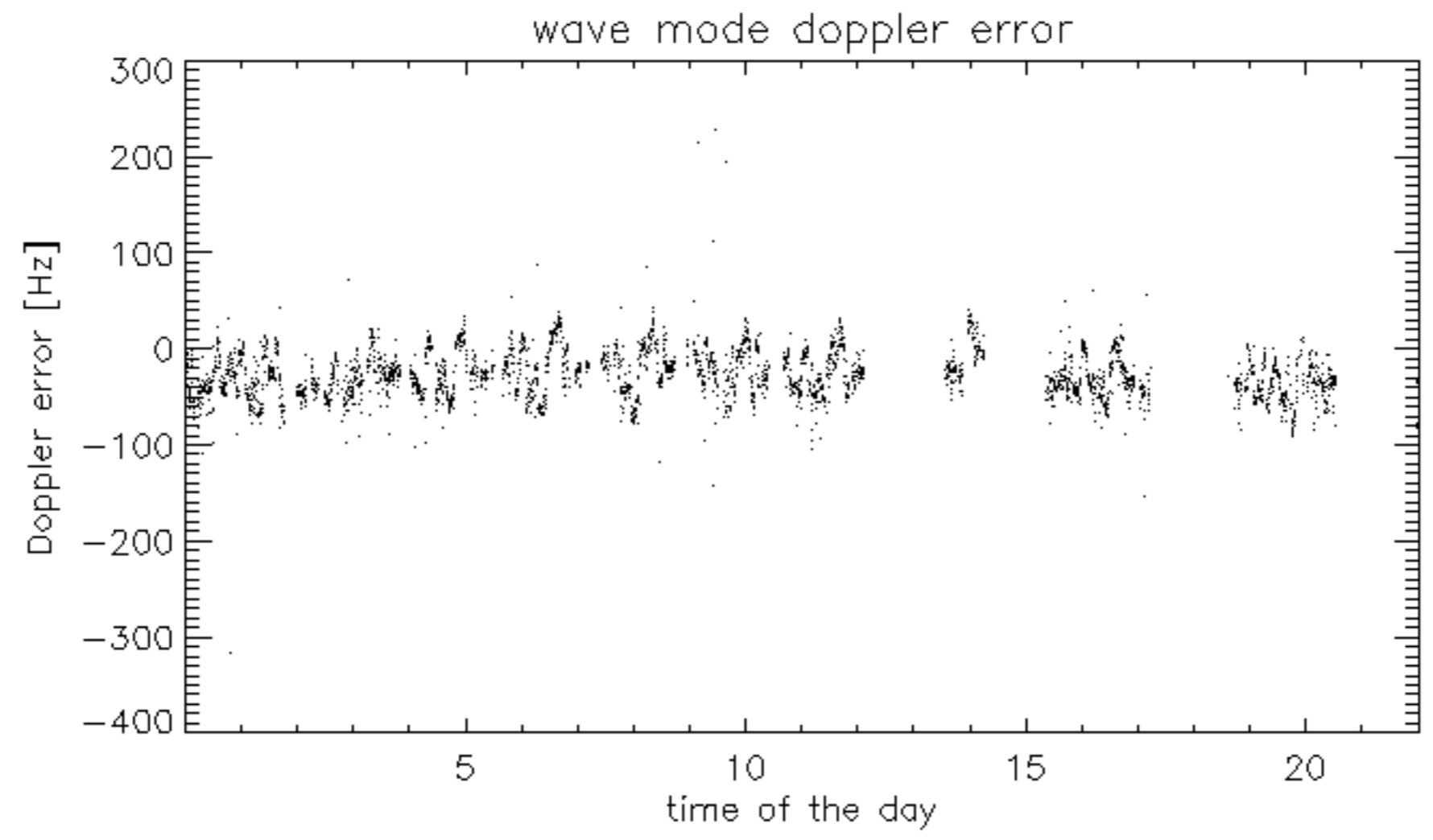
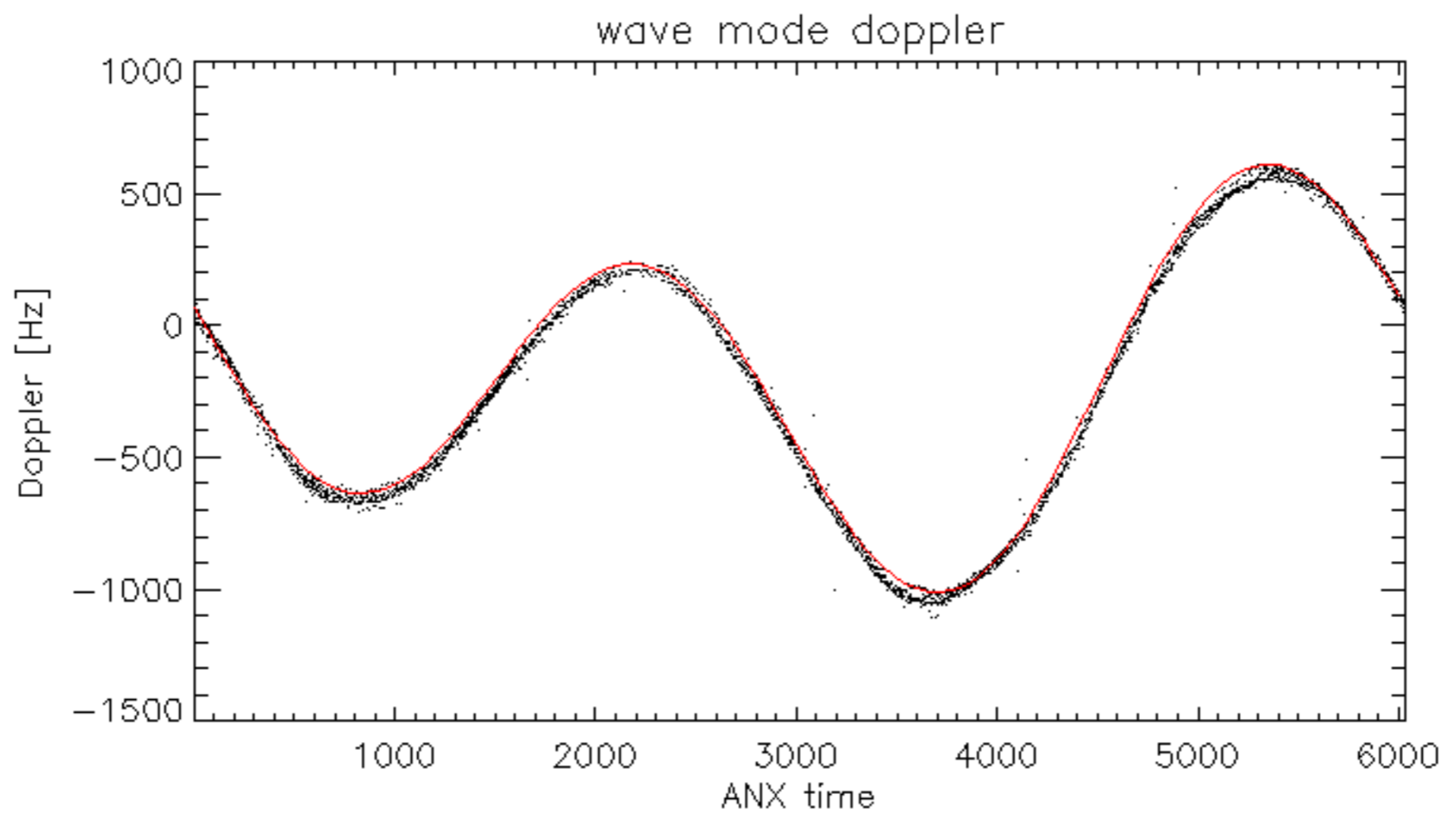
- Stable wave internal calibration pulses gain and phase.
- Stable raw data statistics.
- Nominal Doppler behavior.

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

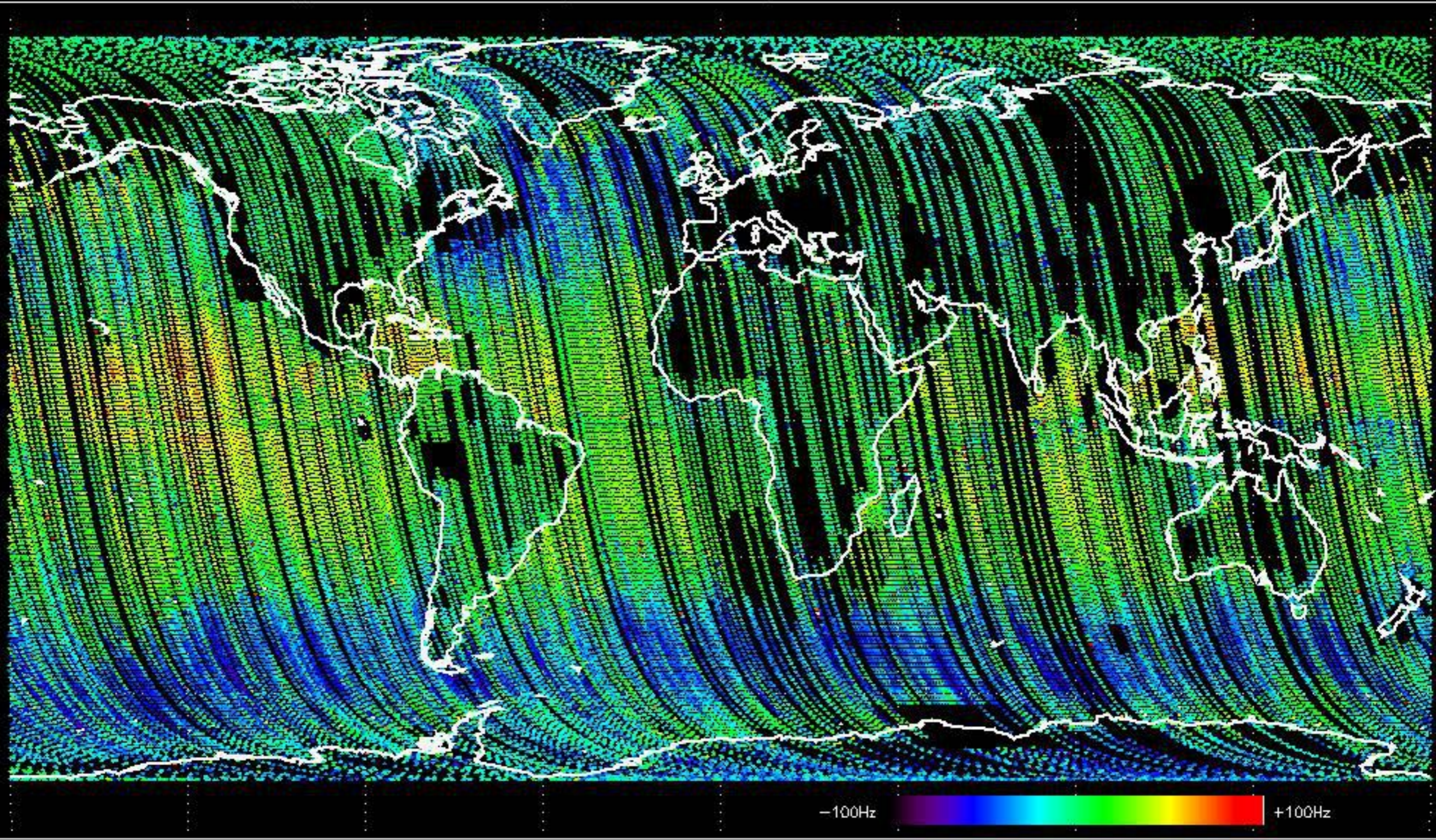


Doppler 'WVS' 'ISZ' 'V/V'



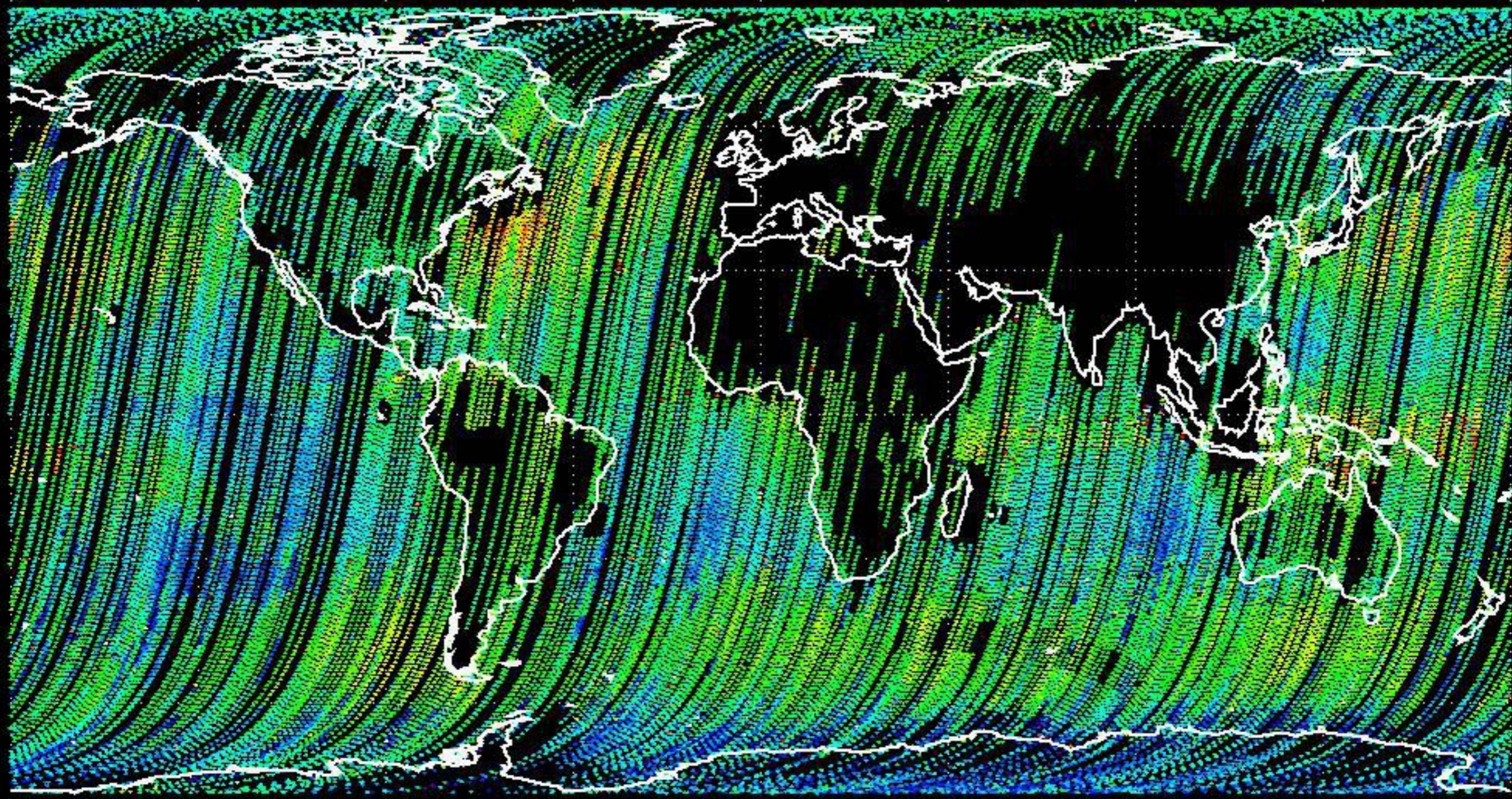


Doppler difference, estimated-predicted 'WVS' 'IS2' 'H/H' -error mean of -34.595102 Hz



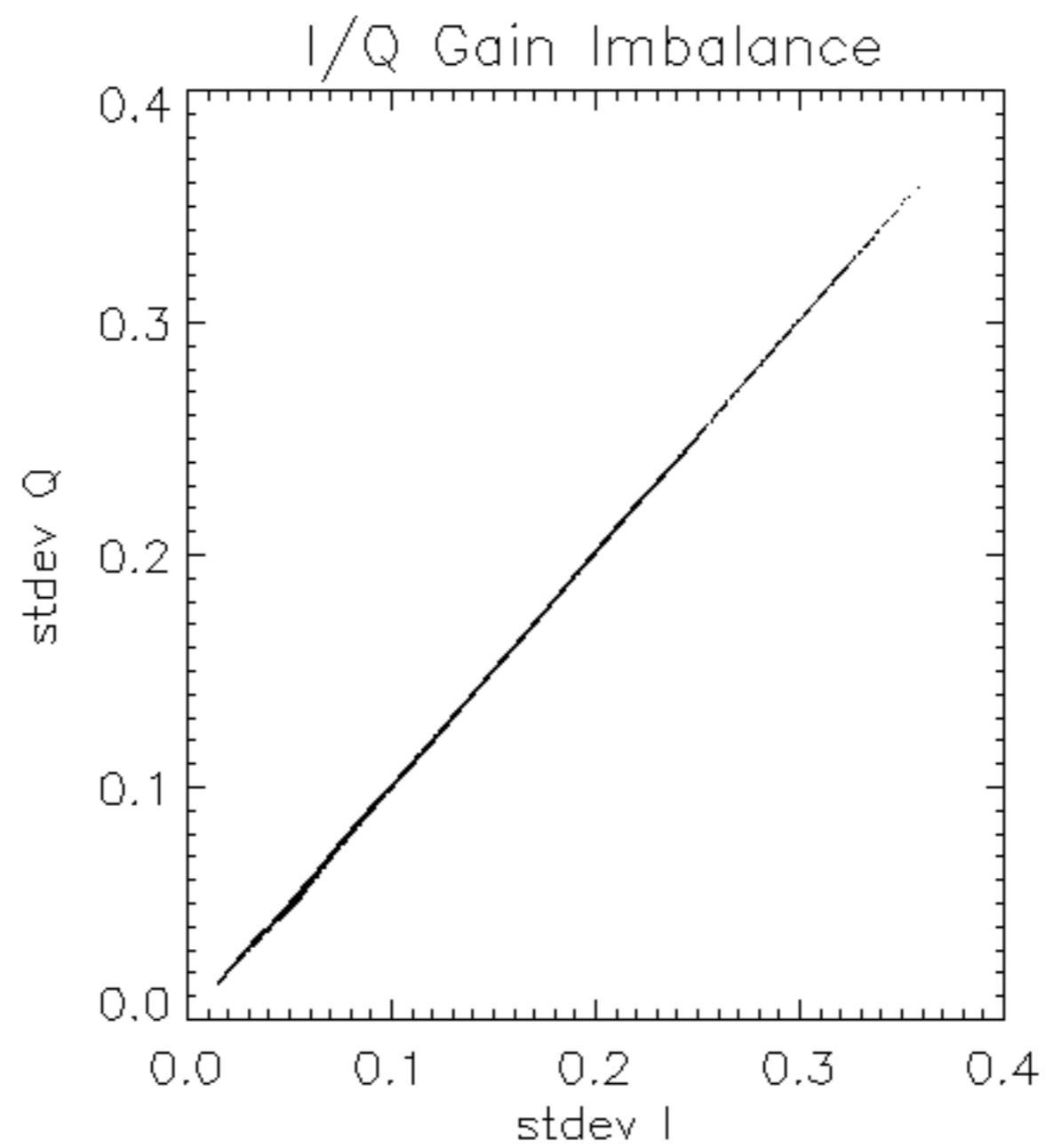
-100Hz +100Hz

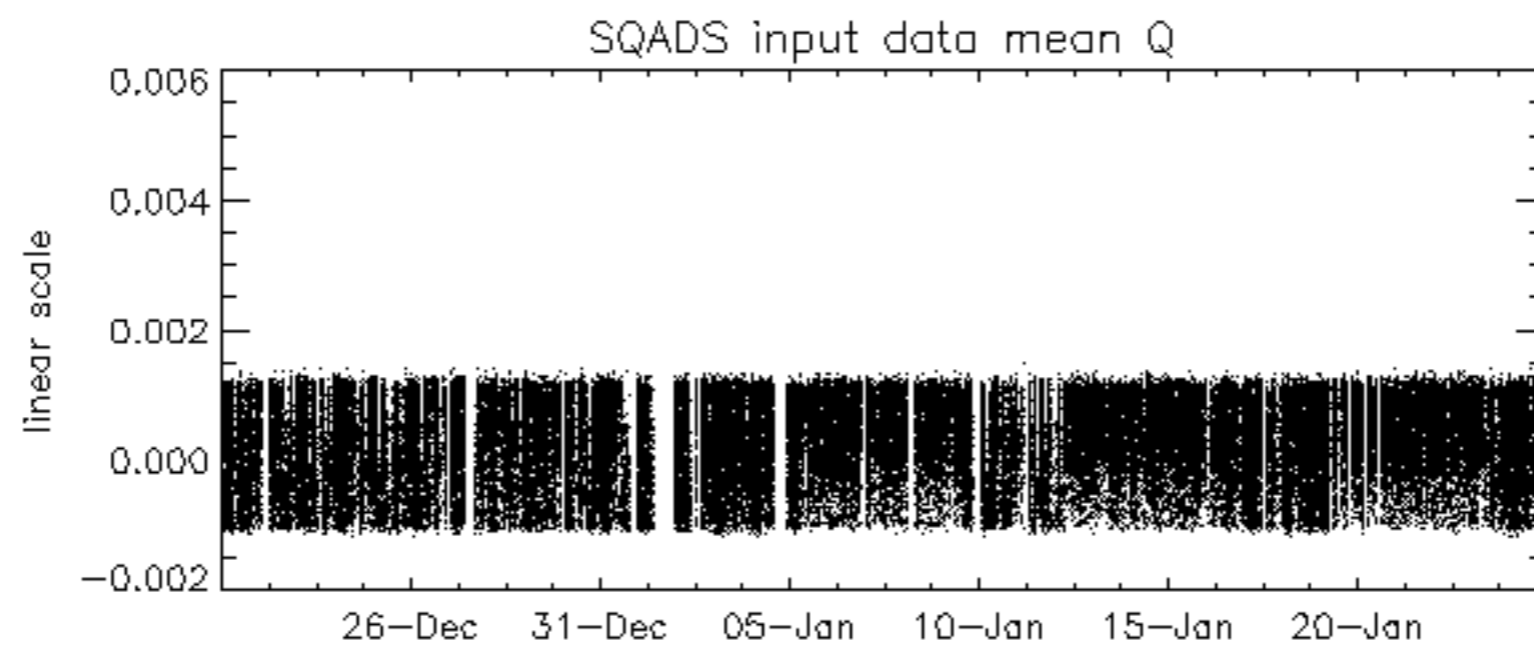
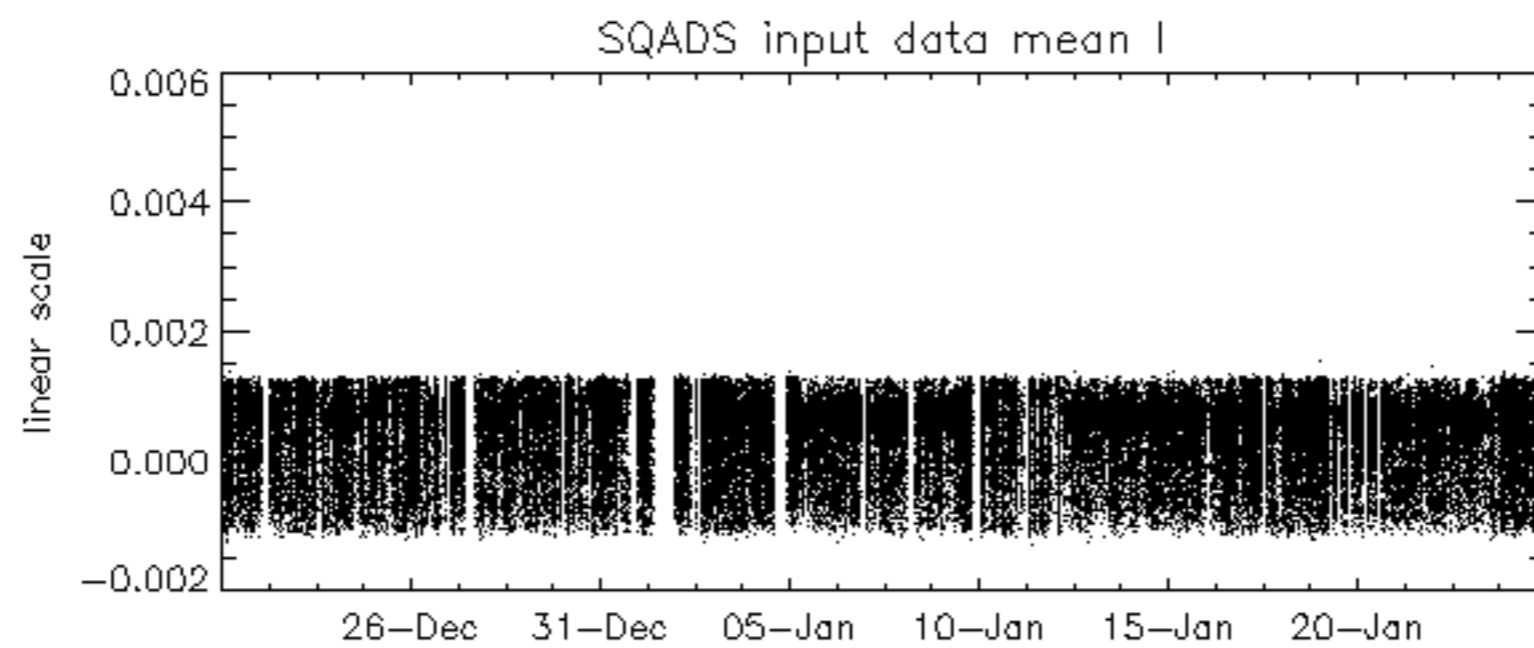
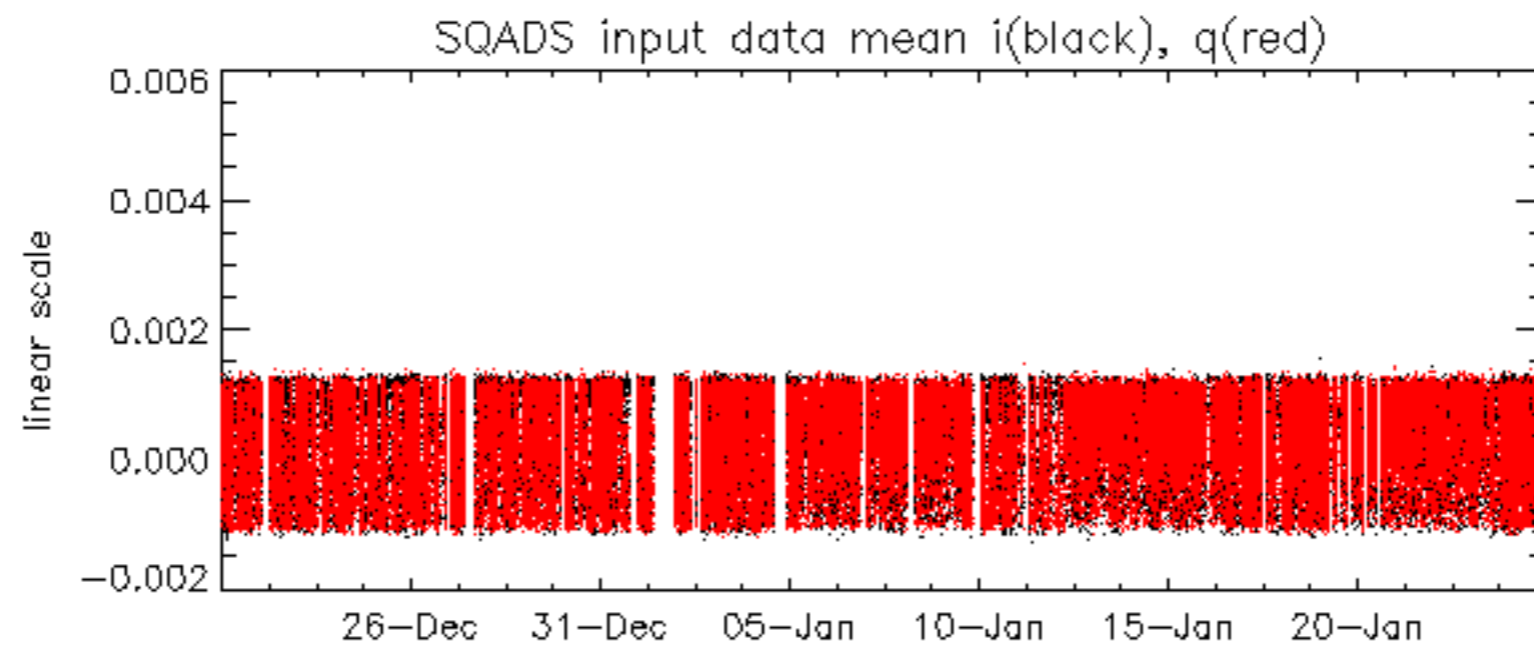
Doppler difference, estimated-predicted 'WVS' 'IS2' 'V/V' -error mean of -33.299615 Hz

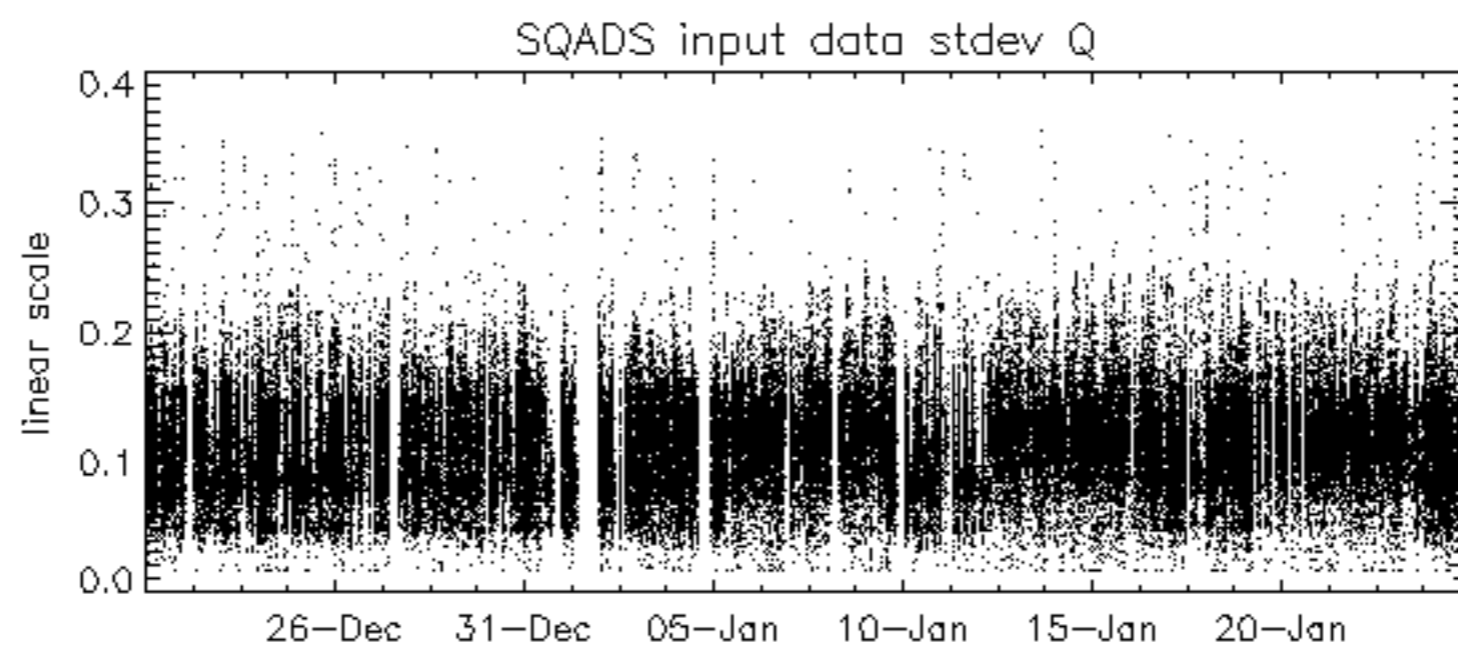
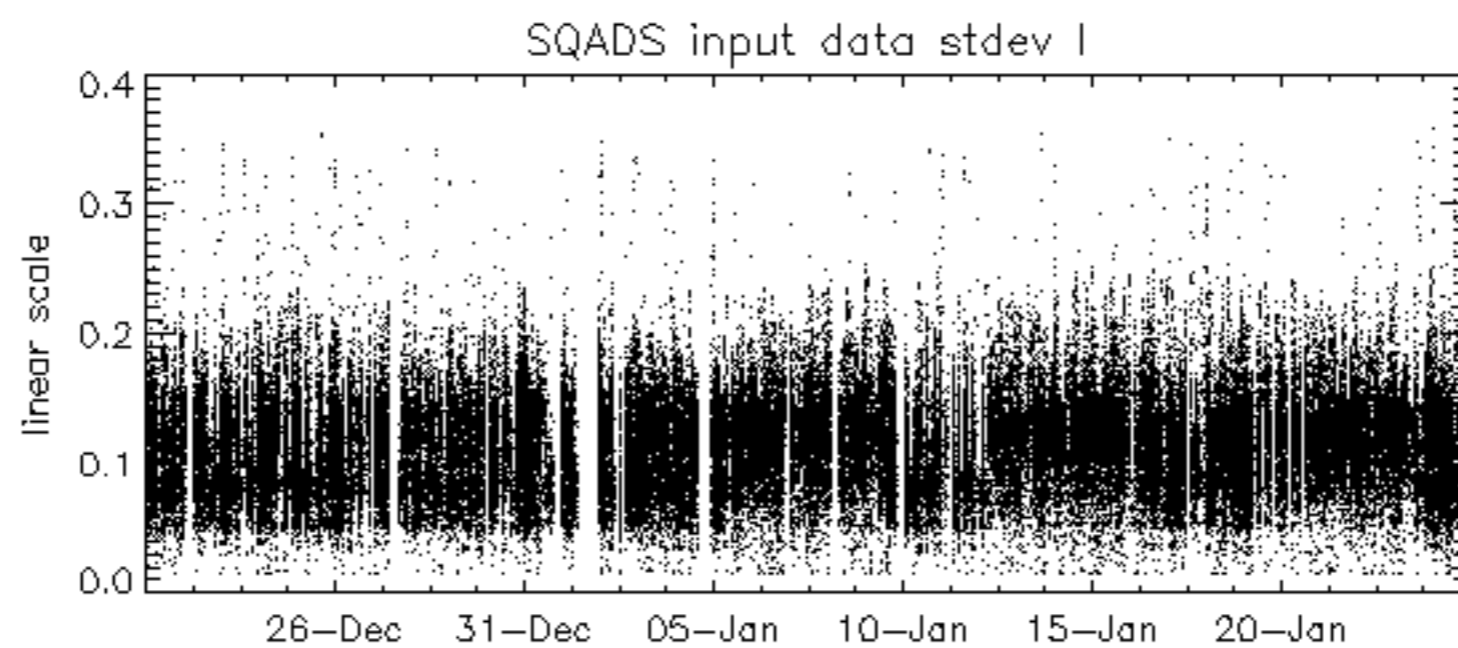
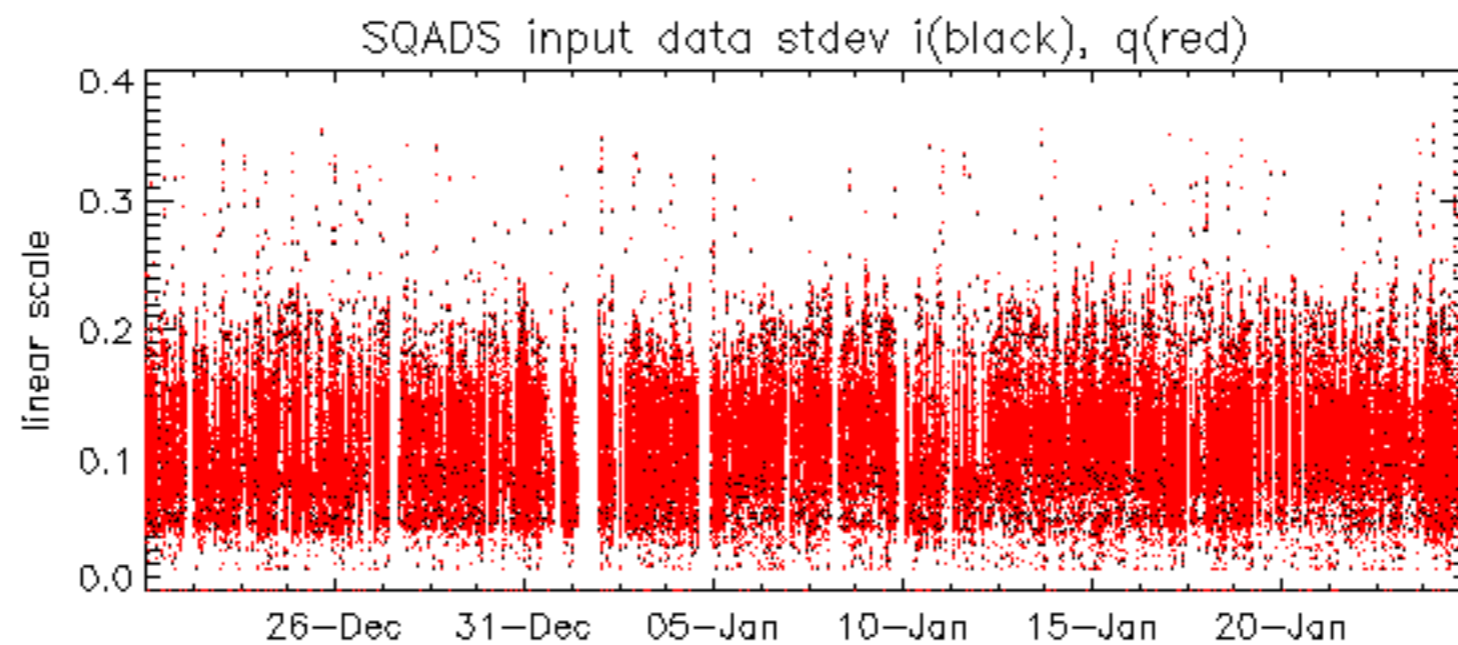


-100Hz +100Hz

No anomalies observed.







No unavailabilities during the reported period.