

PRELIMINARY REPORT OF 040124

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 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	-3.66895	-22.4759	-8.14674
	stdev	0.00720650	0.0659560	0.00279713
24	mean	-5.12206	-21.1054	-8.14674
	stdev	0.0163026	0.0637716	0.00279713



4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.70406	-22.5244	-8.15711
	stdev	0.00722955	0.0684533	0.00328394
24	mean	-5.22907	-21.1507	-8.15711
	stdev	0.580113	0.0630621	0.00328394



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	0.000423269
	stdev	3.03768e-07
MEAN Q	mean	0.000303142
	stdev	3.61125e-07



5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.115658
	stdev	0.00140378
STDEV Q	mean	0.115899
	stdev	0.00141858



5.3 - Gain imbalance I/Q



6 - Wave Doppler Analysis

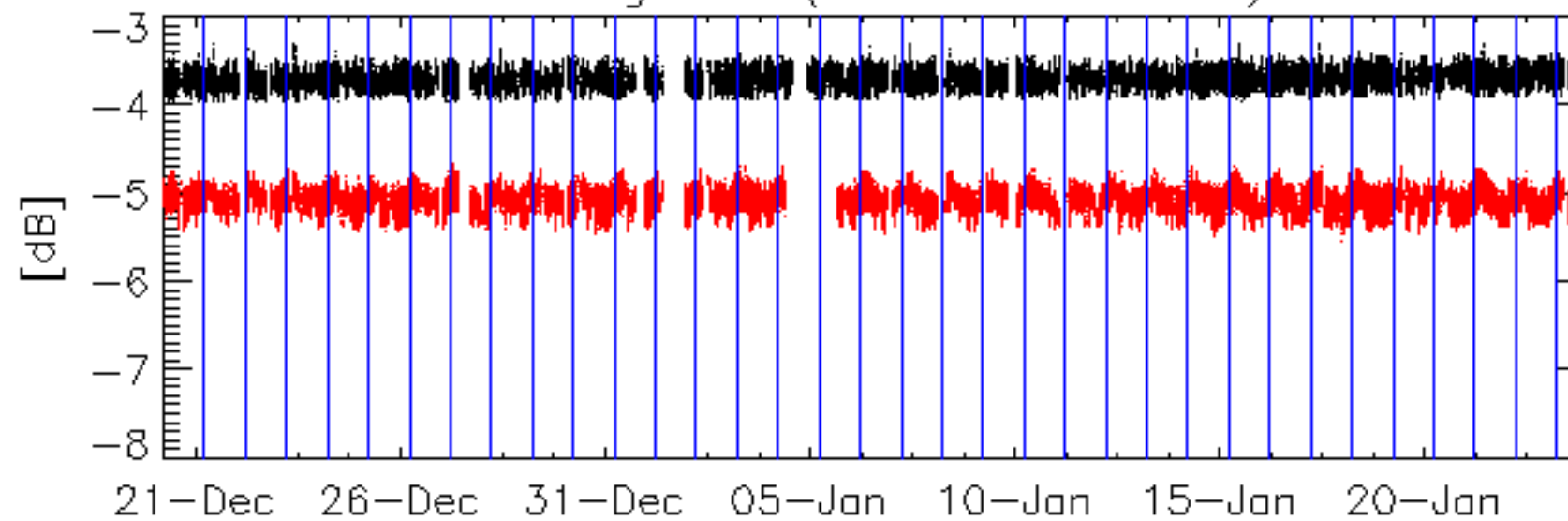
Preliminary report. The data is not yet controlled

6.1 - Doppler evolution versus ANX

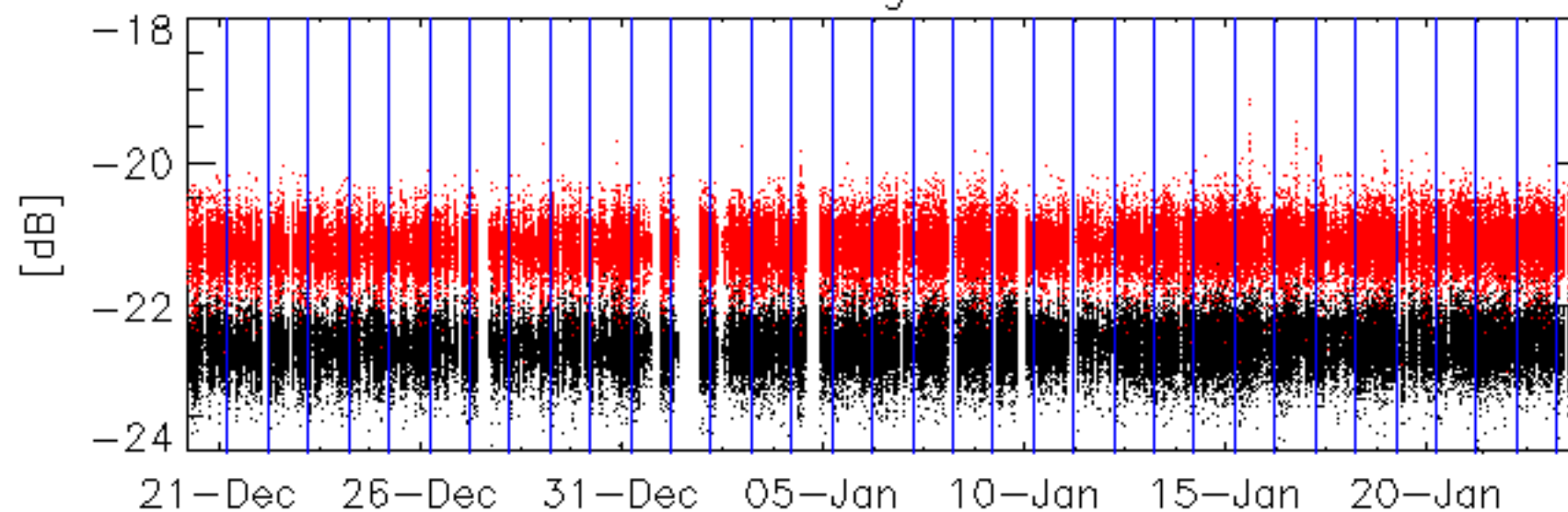
Evolution Doppler error versus ANX



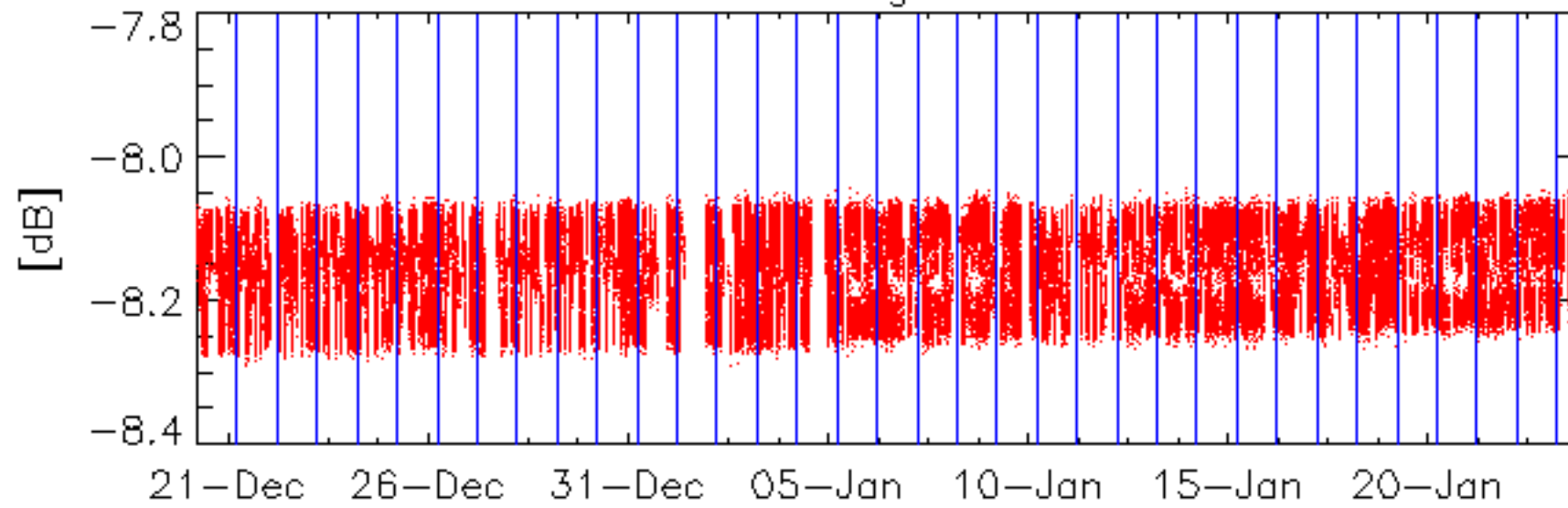
Average P1 (row 3 & row 24)



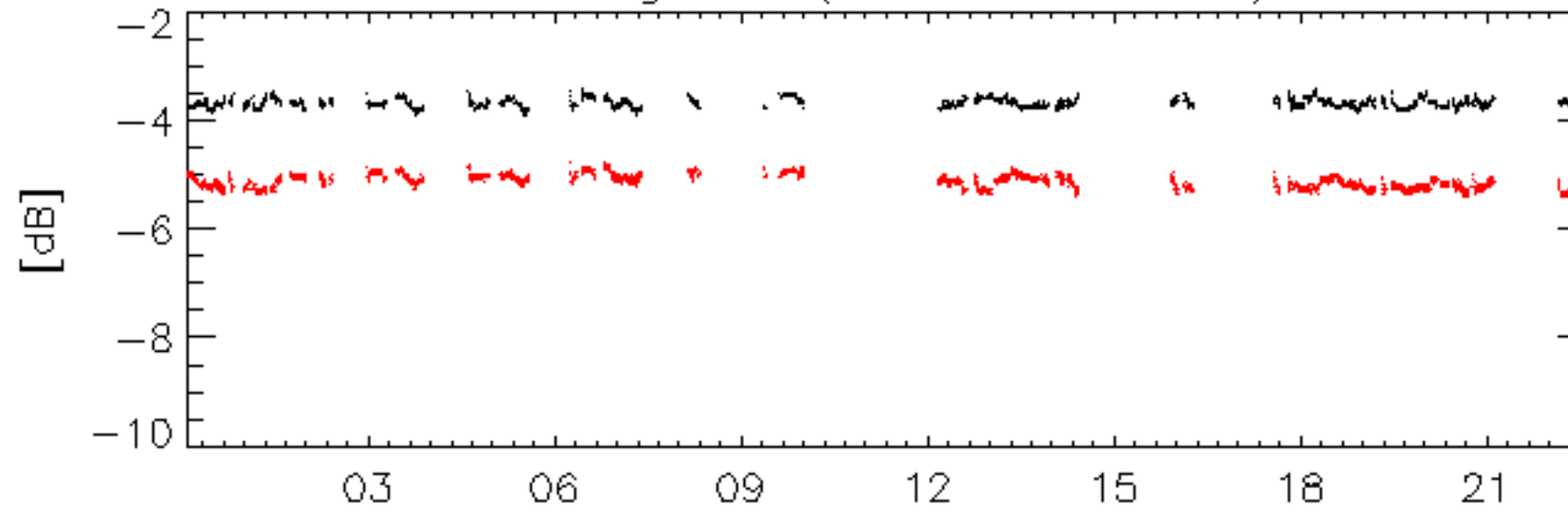
Average P2



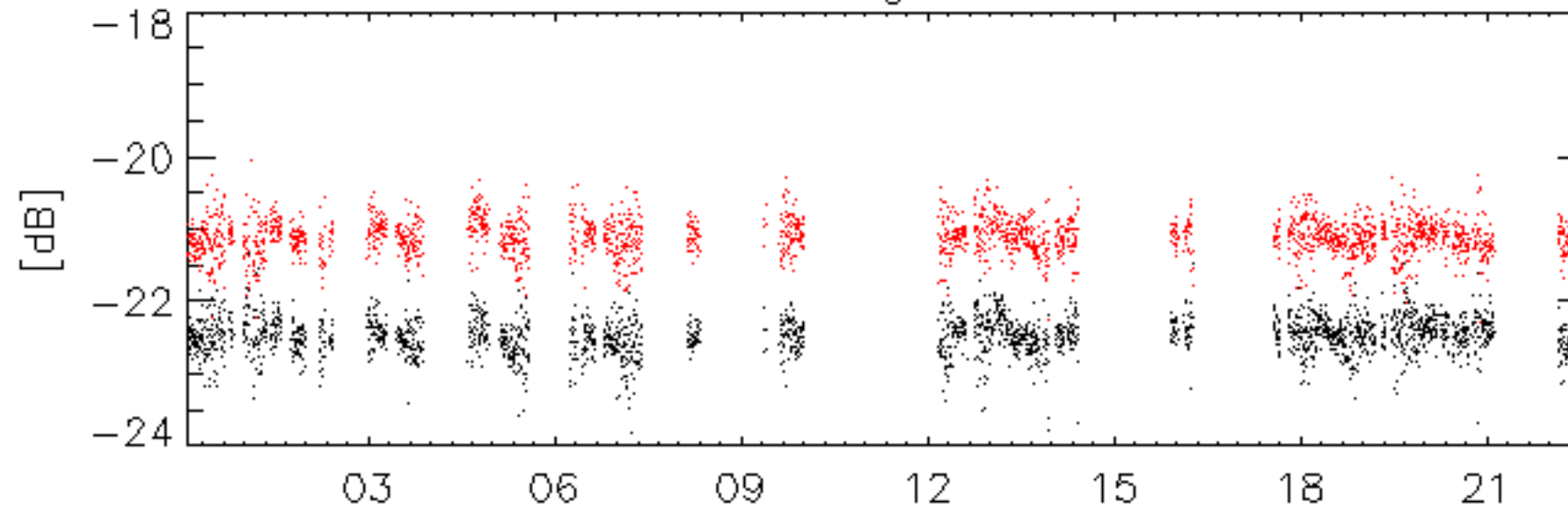
Average P3



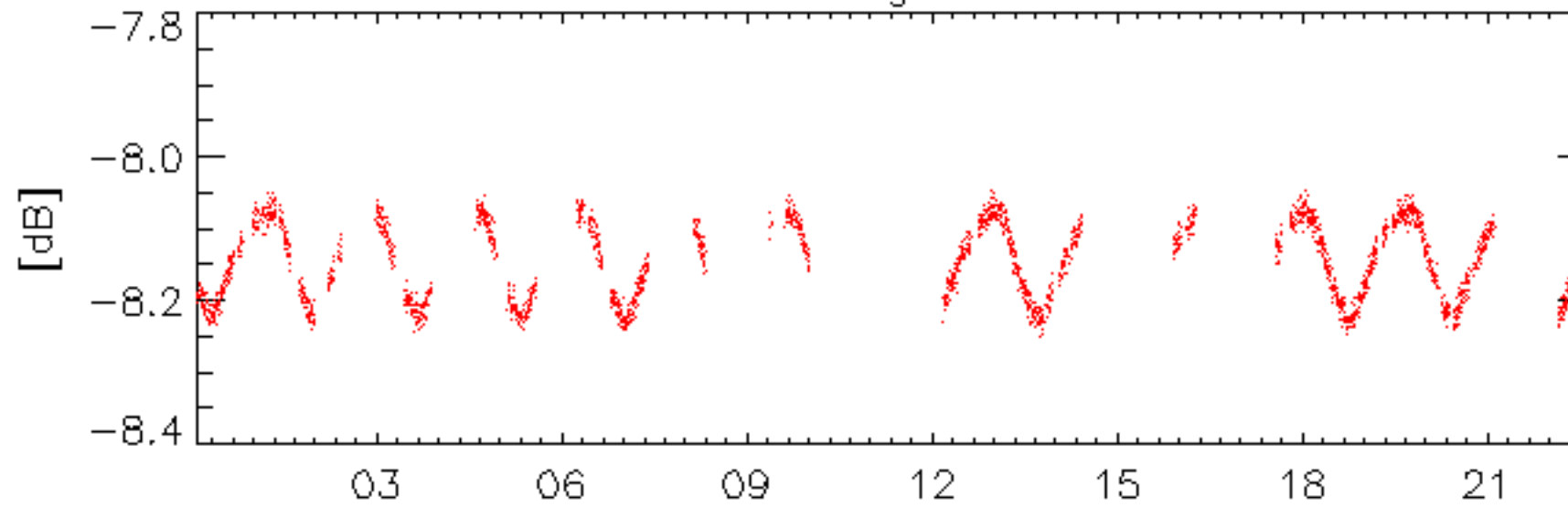
Average P1 (row 3 & row 24)



23-Jan
Average P2

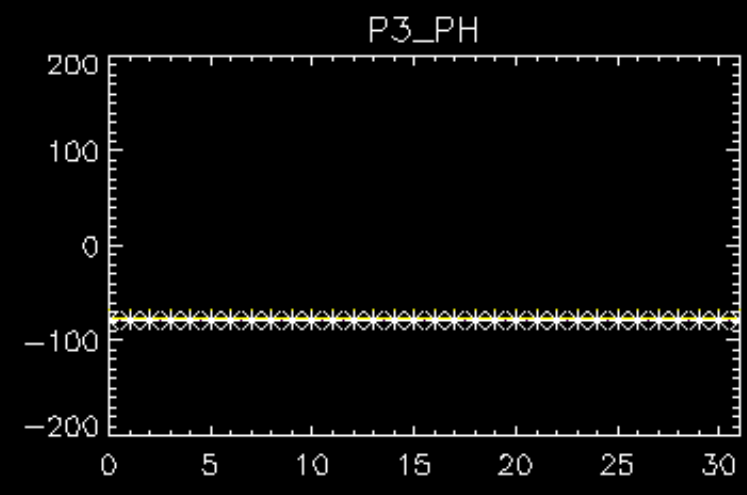
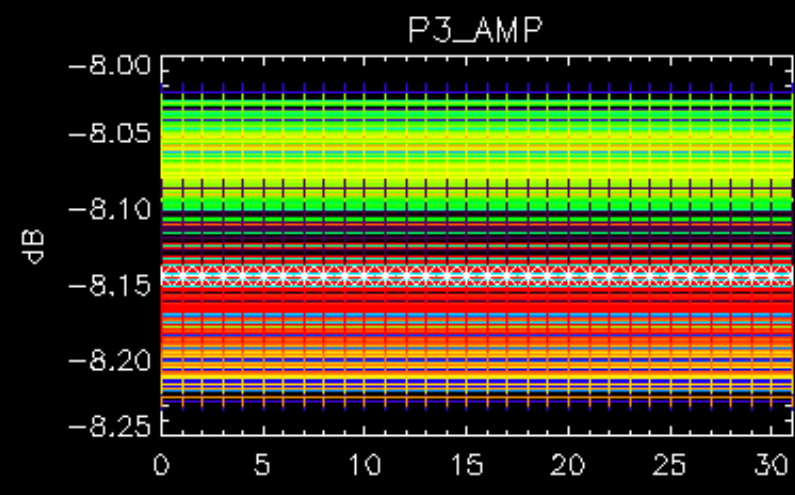
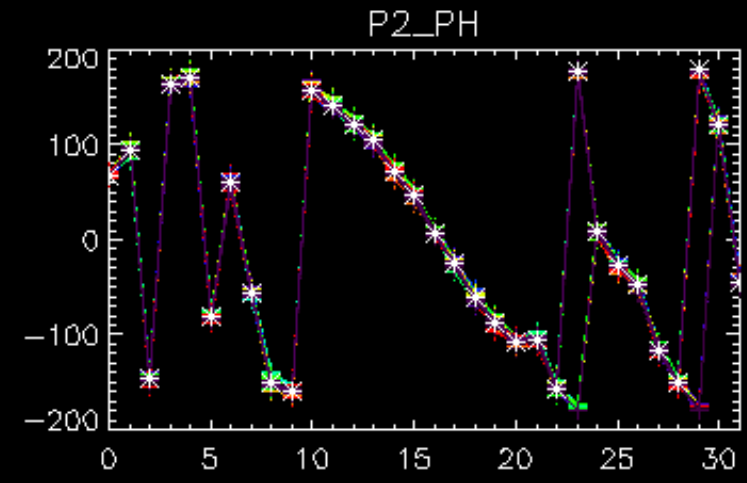
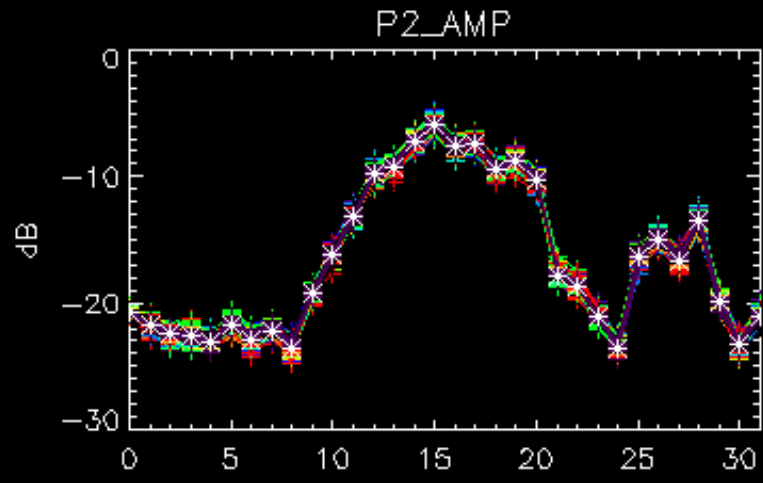
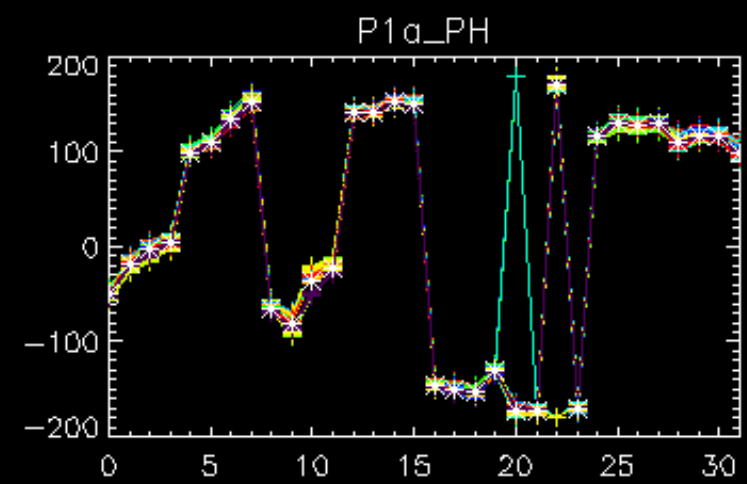
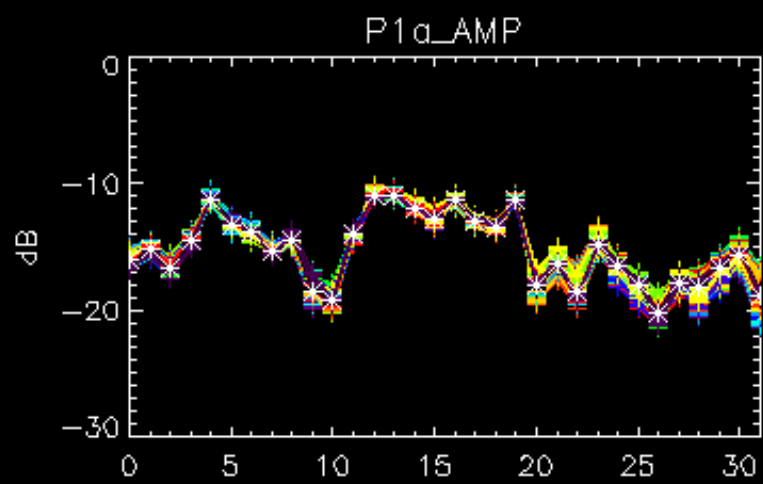
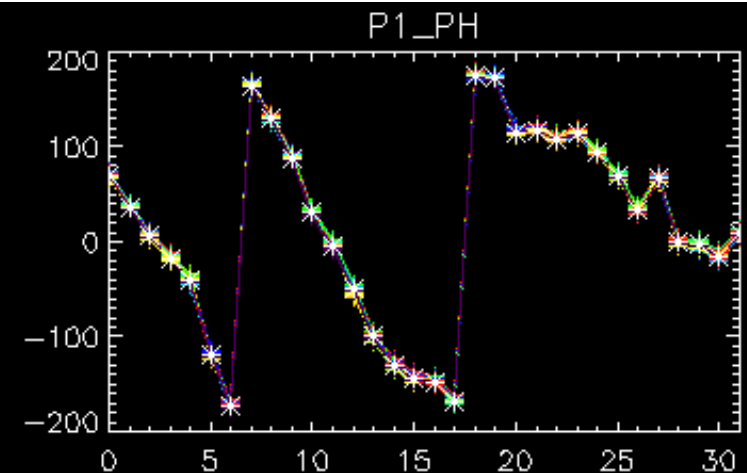
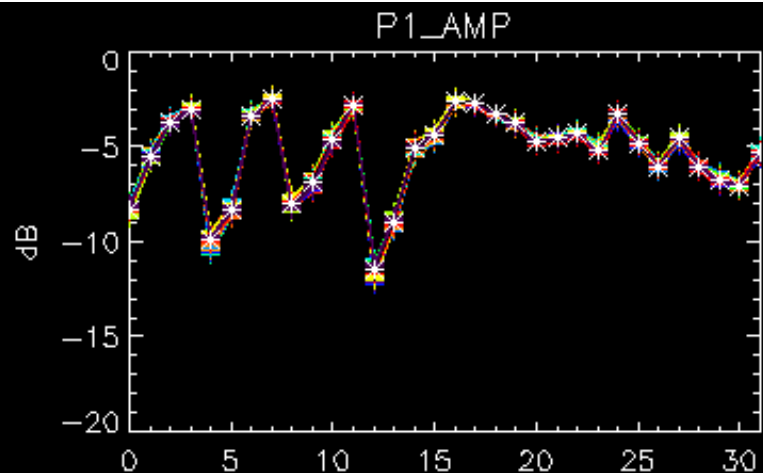


23-Jan
Average P3



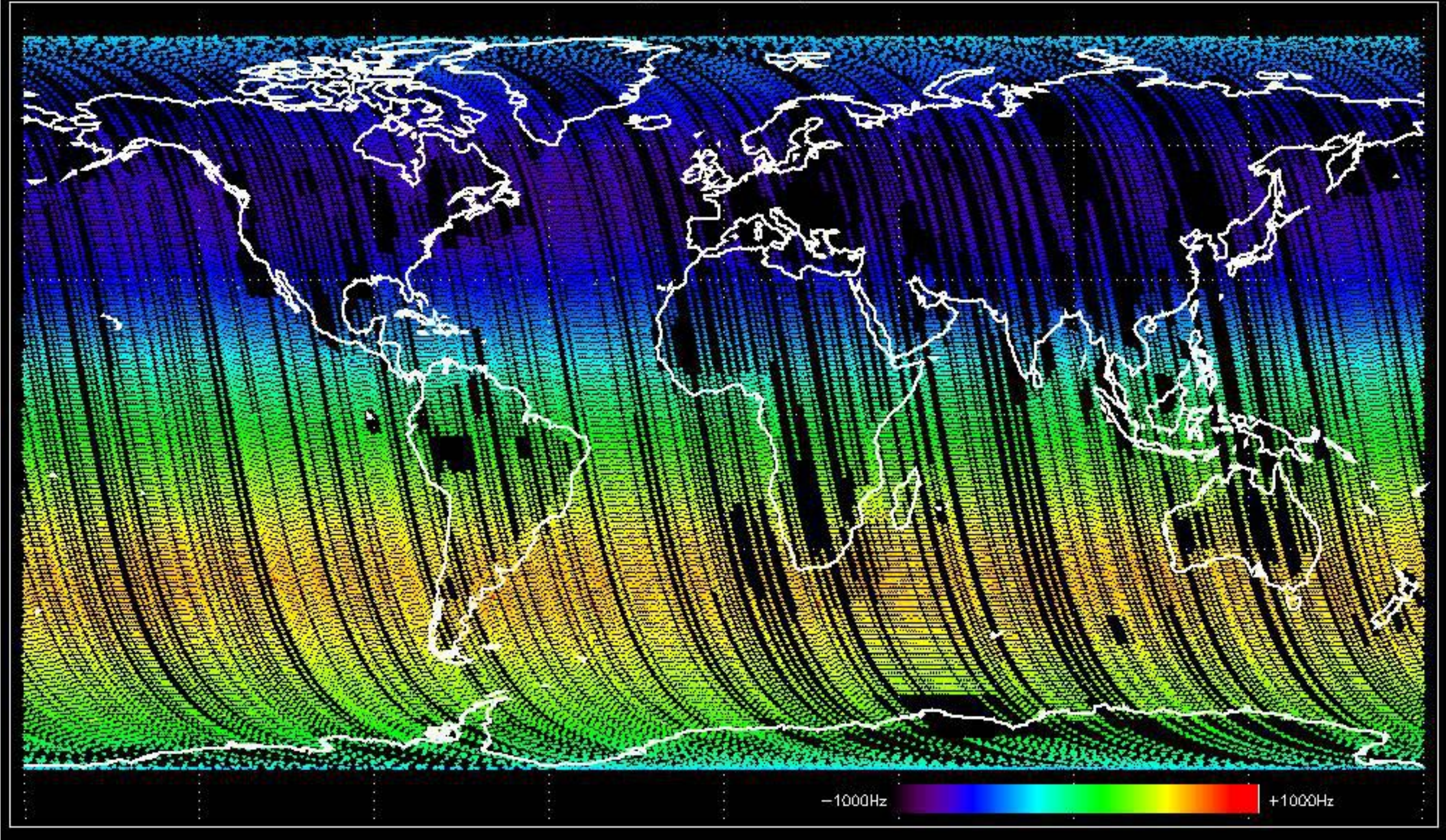
23-Jan

No anomalies observed.

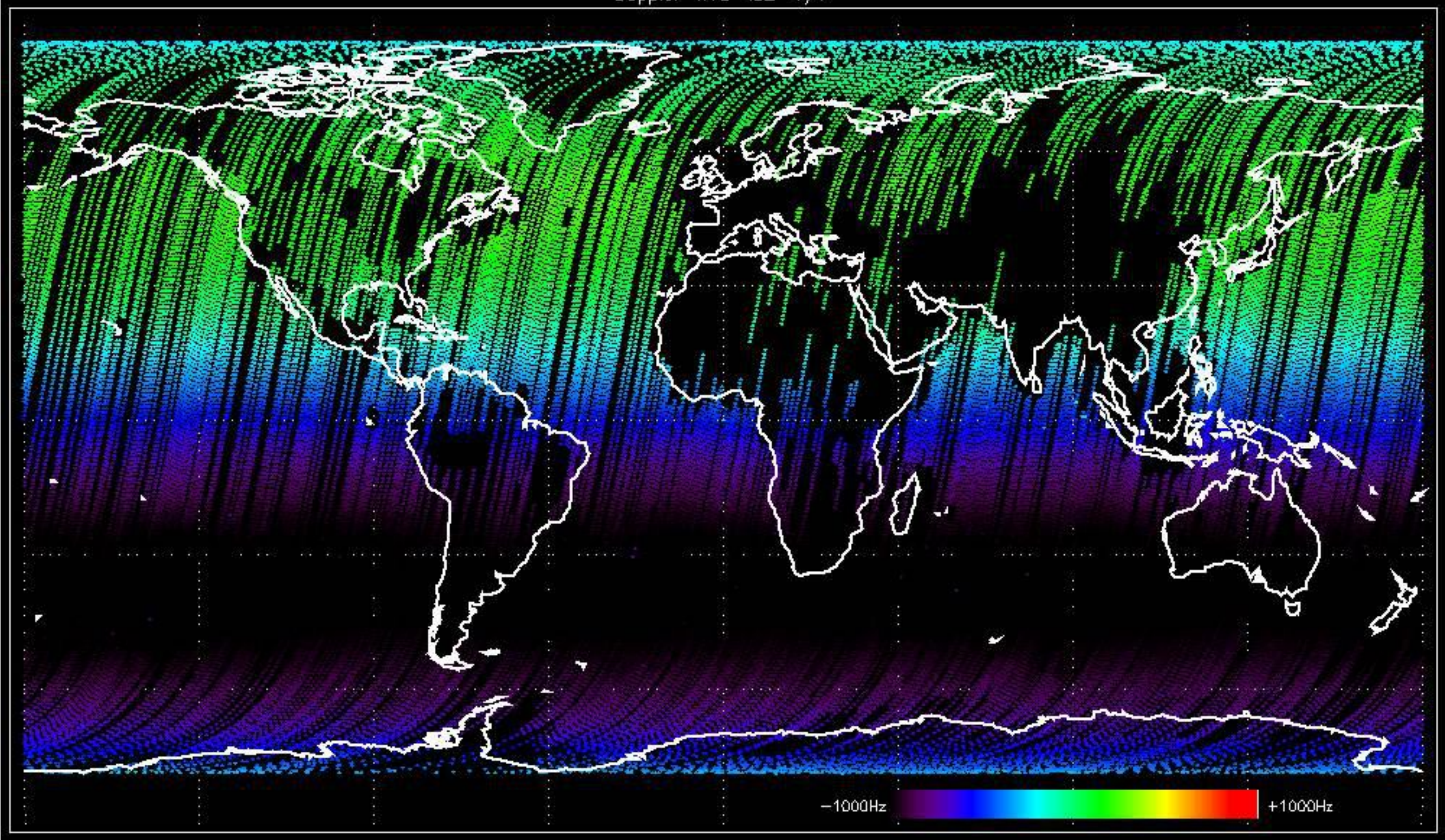


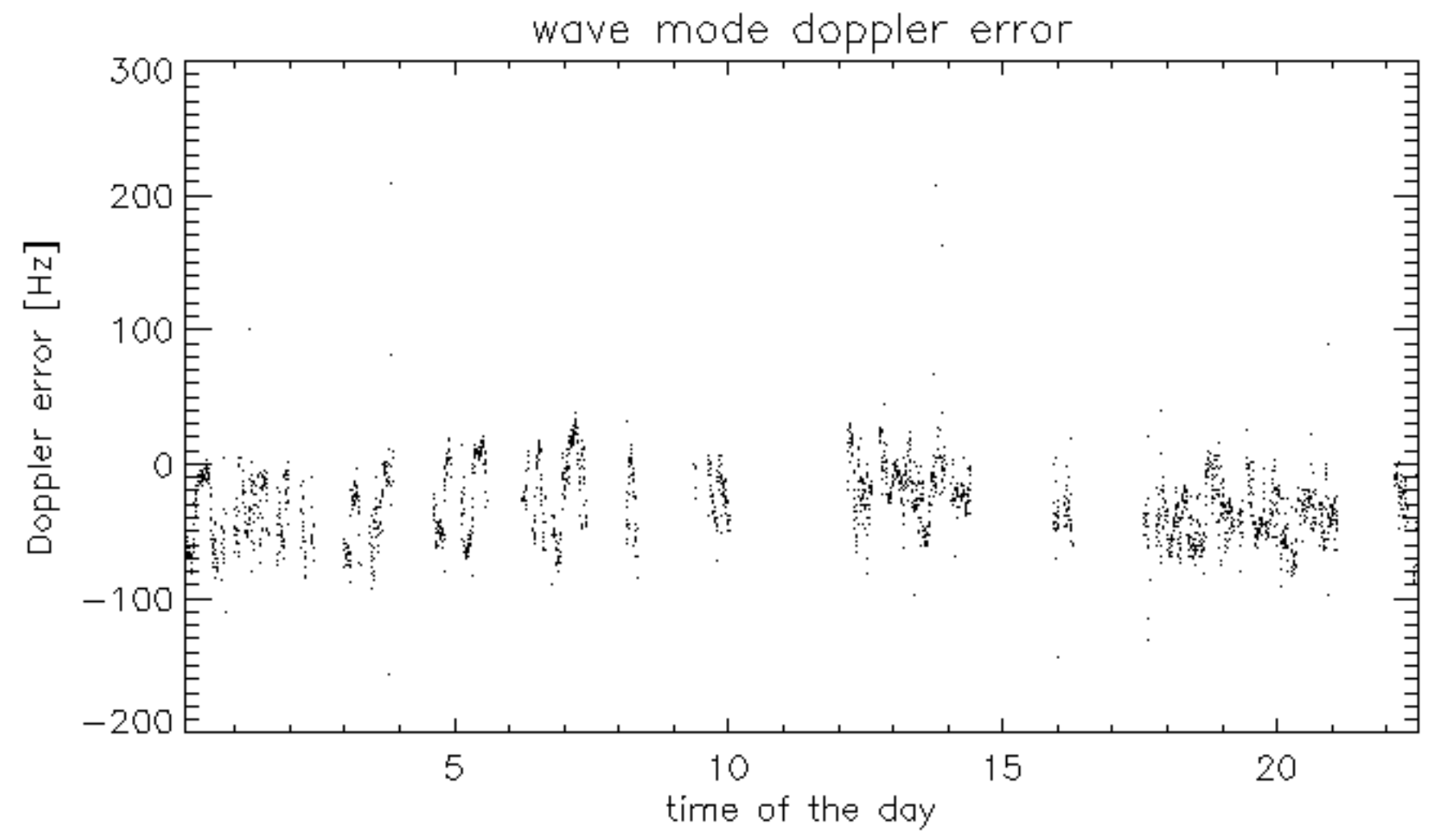
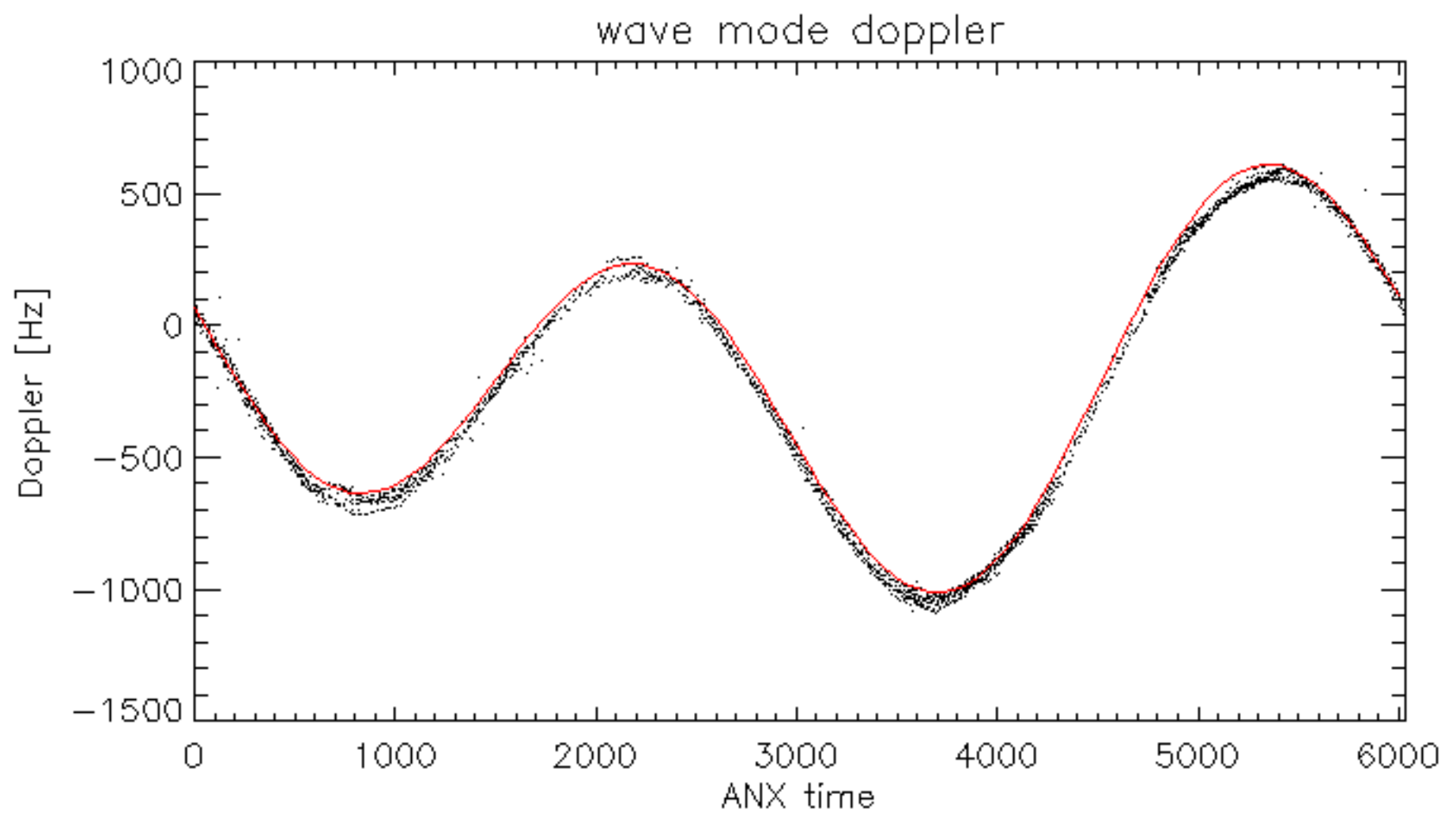
- Stable wave internal calibration pulses gain and phase.
- Stable raw data statistics.
- Nominal Doppler behavior.

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

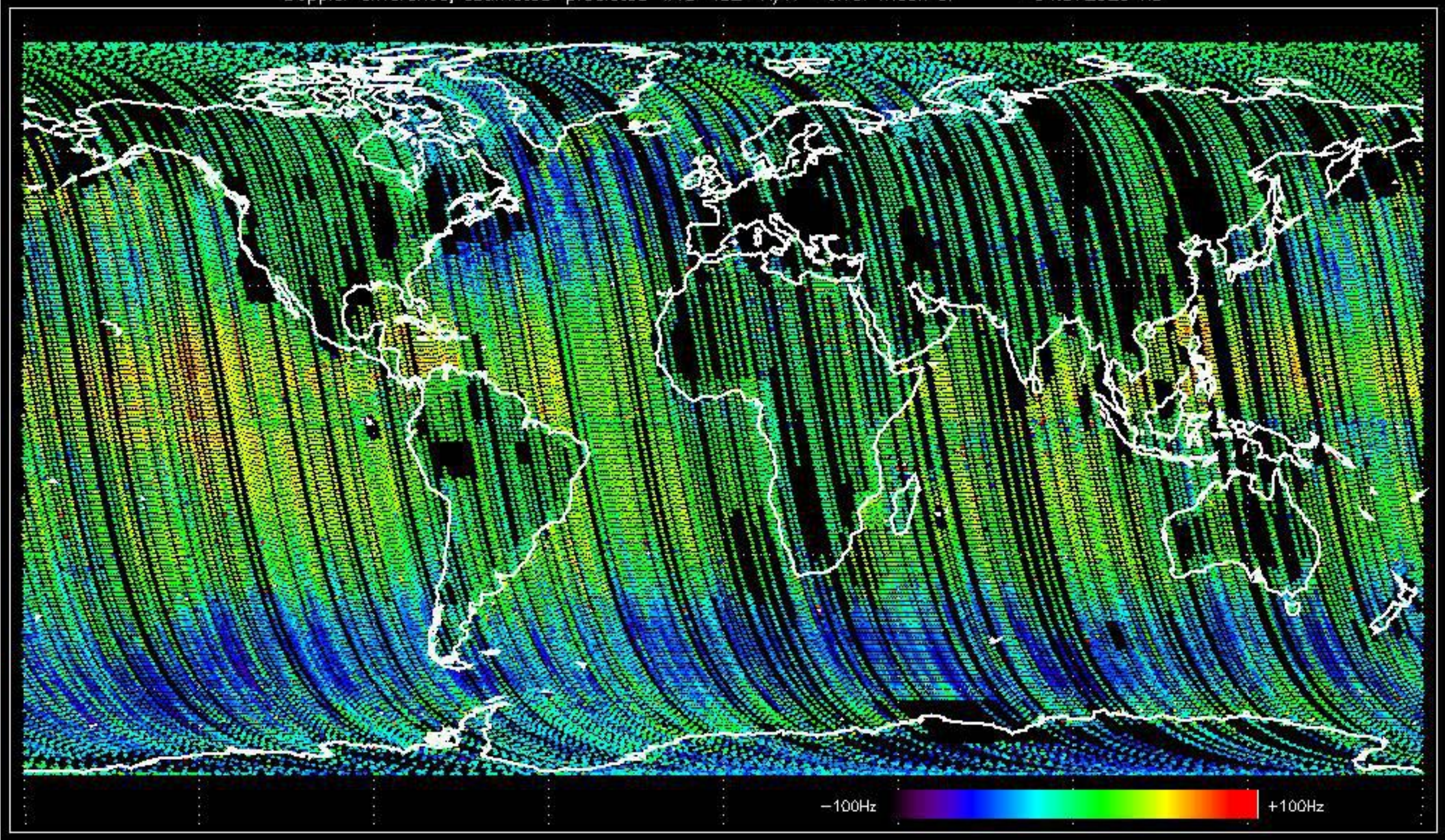


Doppler 'WVS' 'IS2' 'V/V'

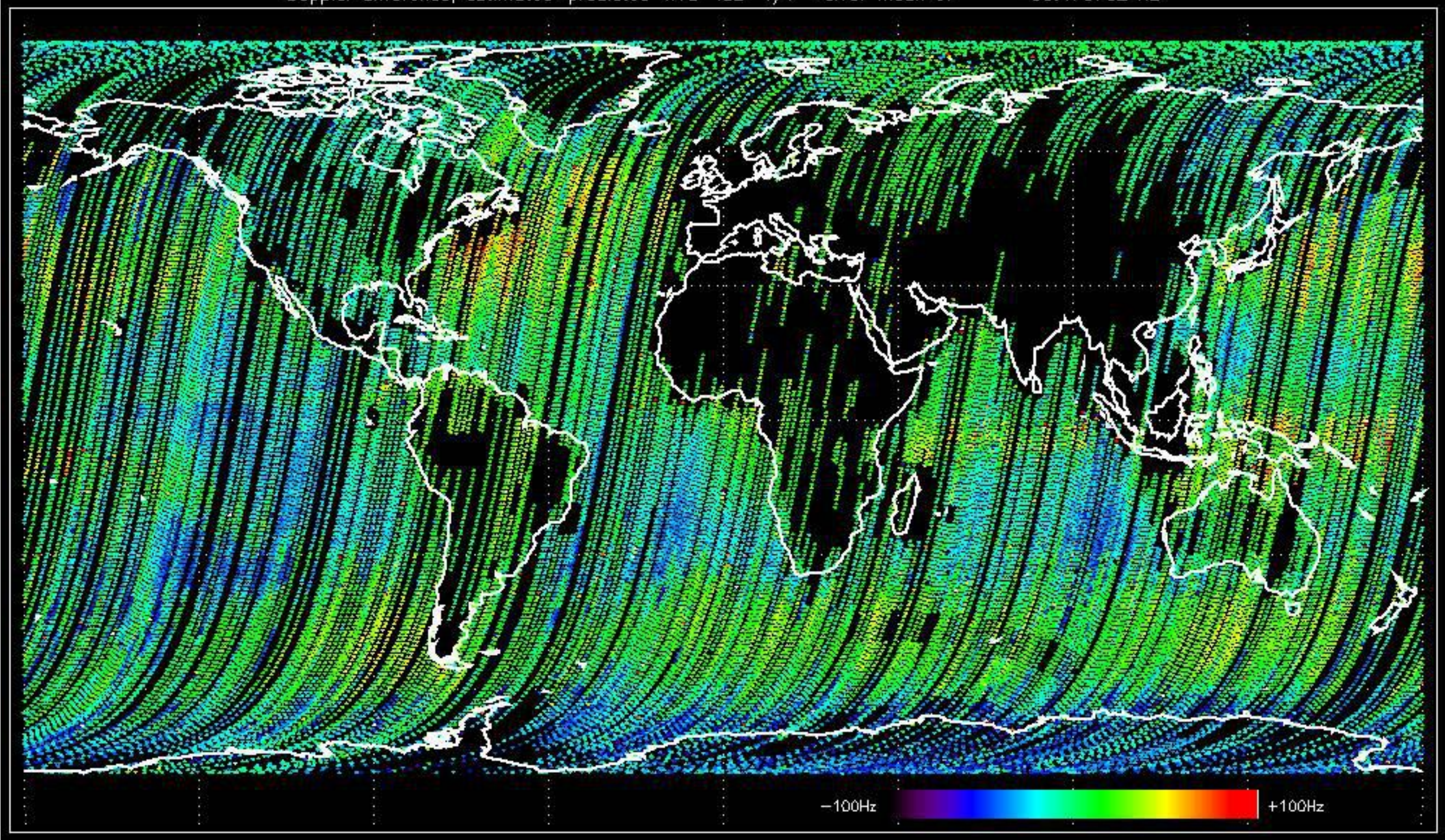




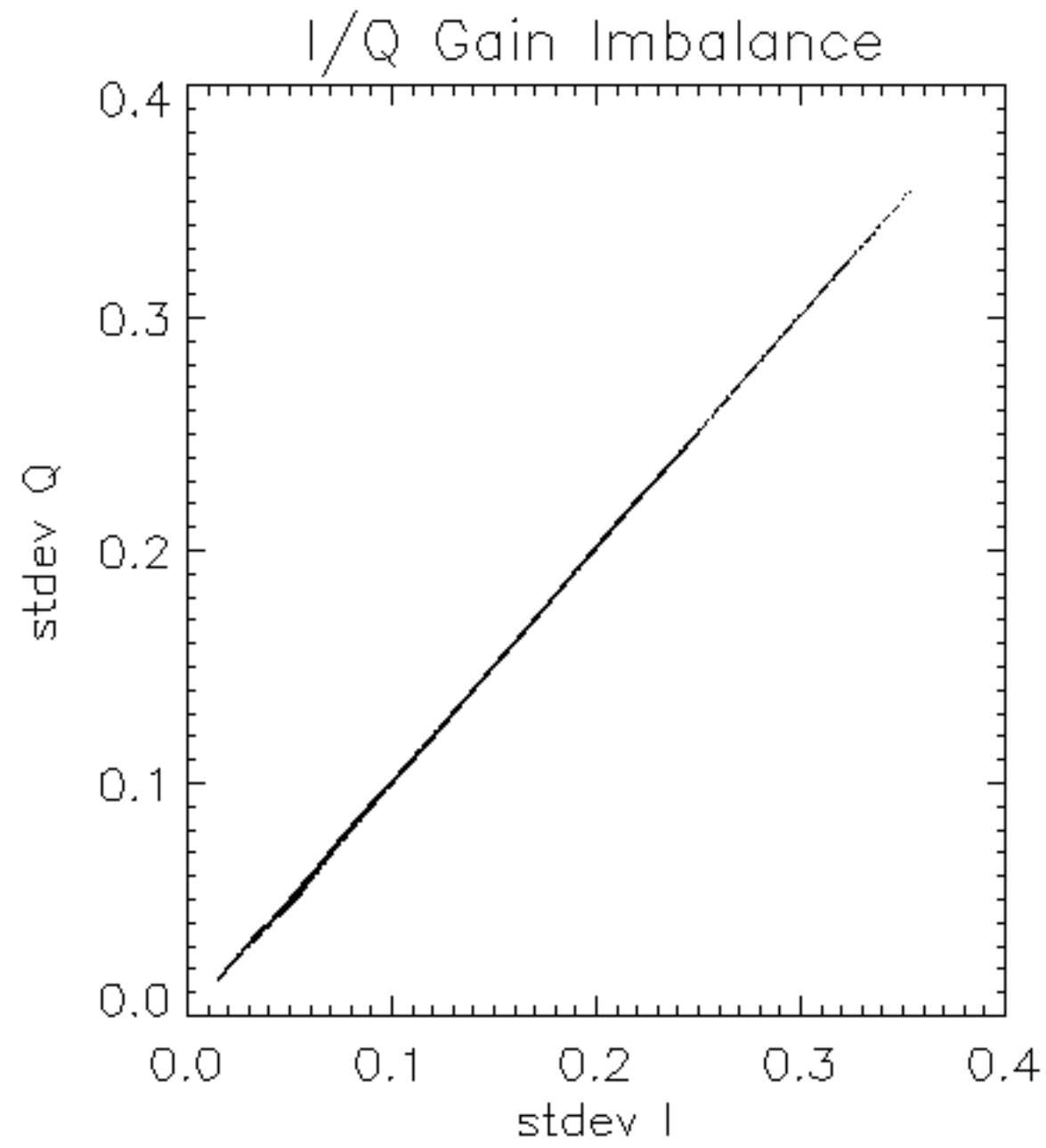
Doppler difference, estimated-predicted 'WVS' 'IS2' 'H/H' -error mean of -34.872923 Hz

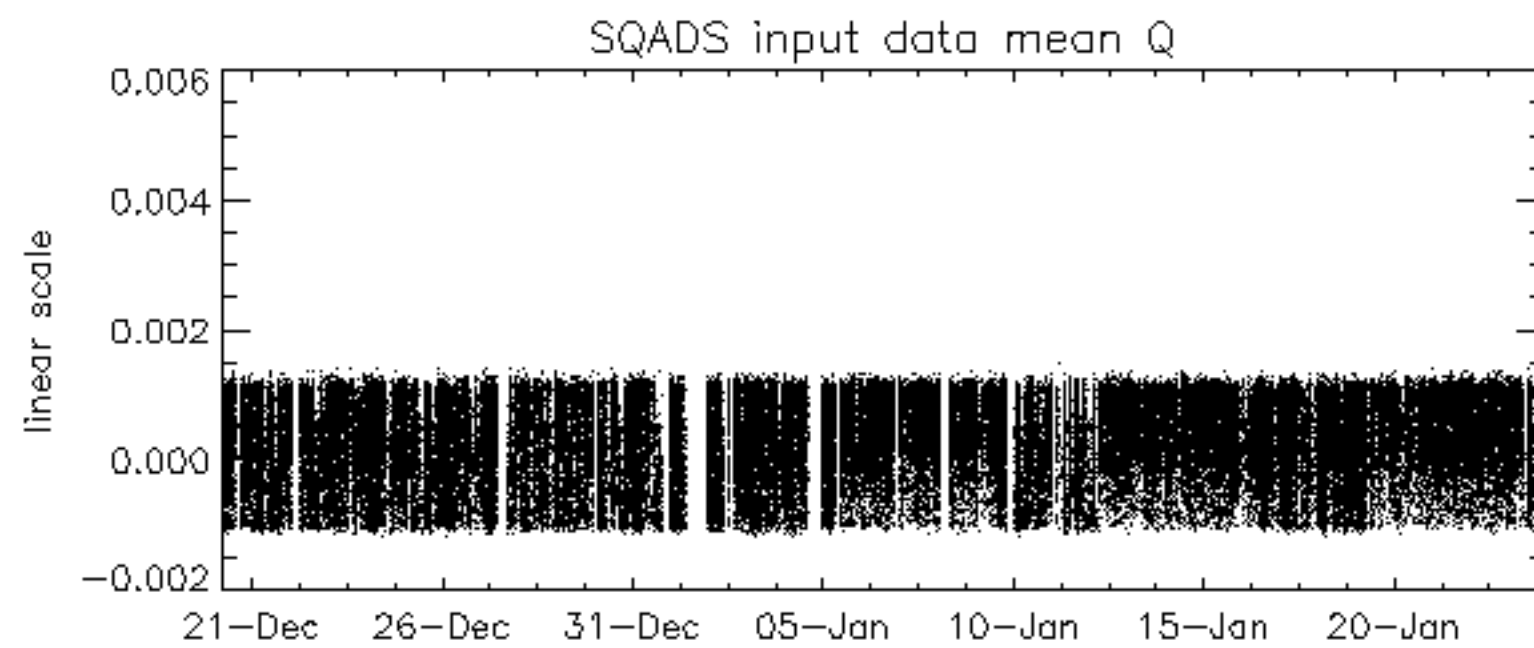
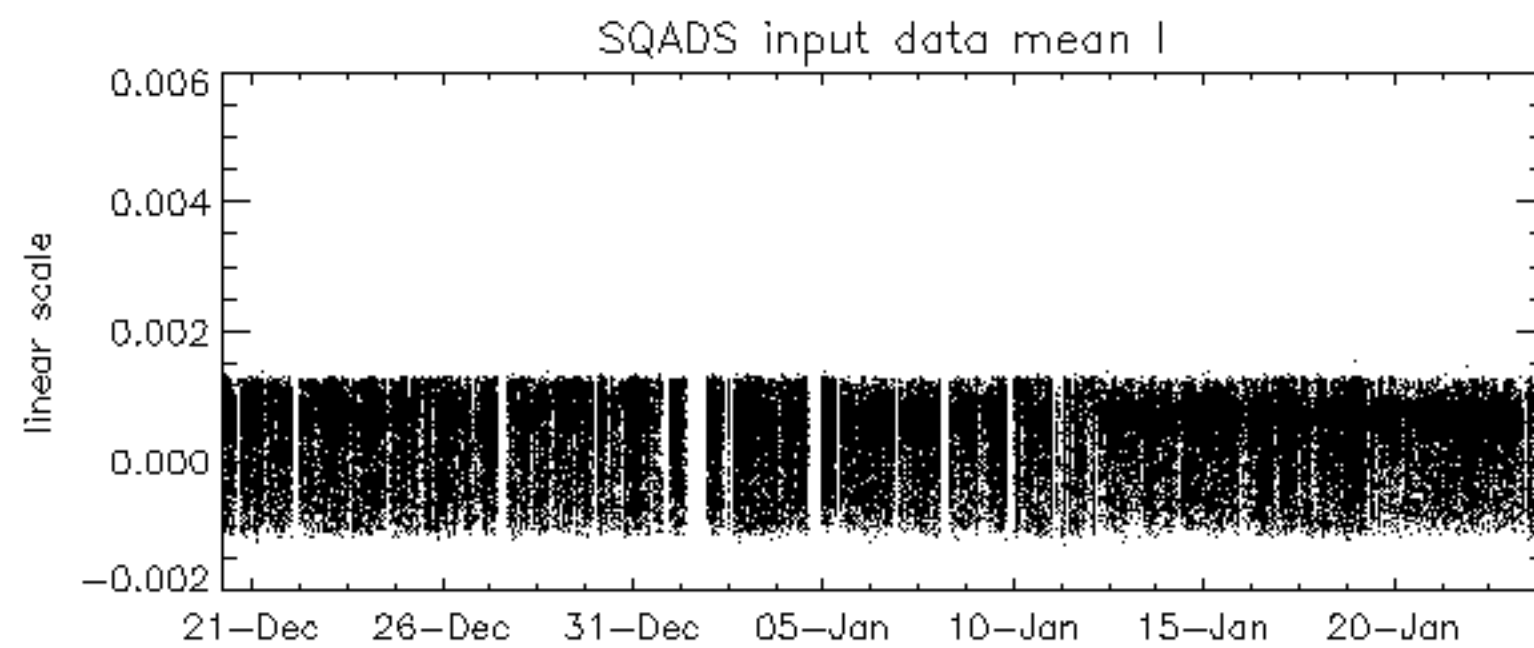
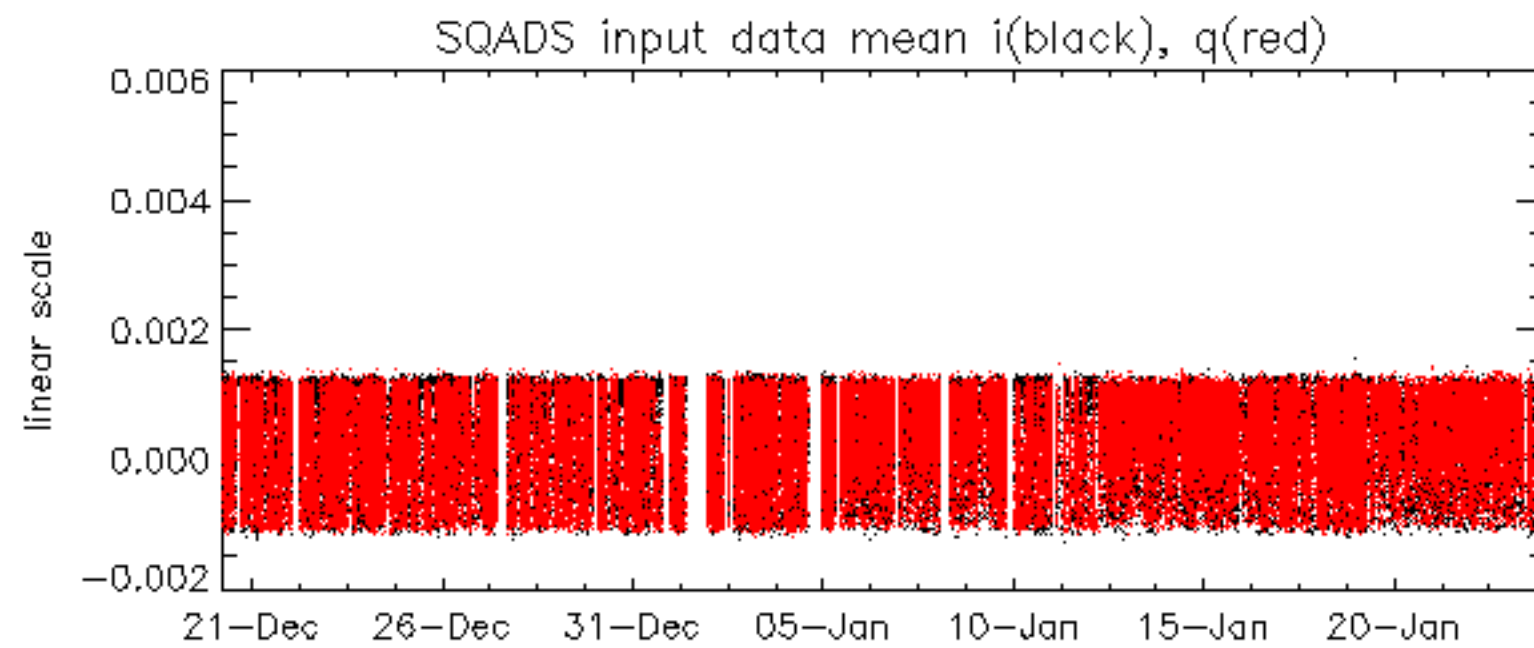


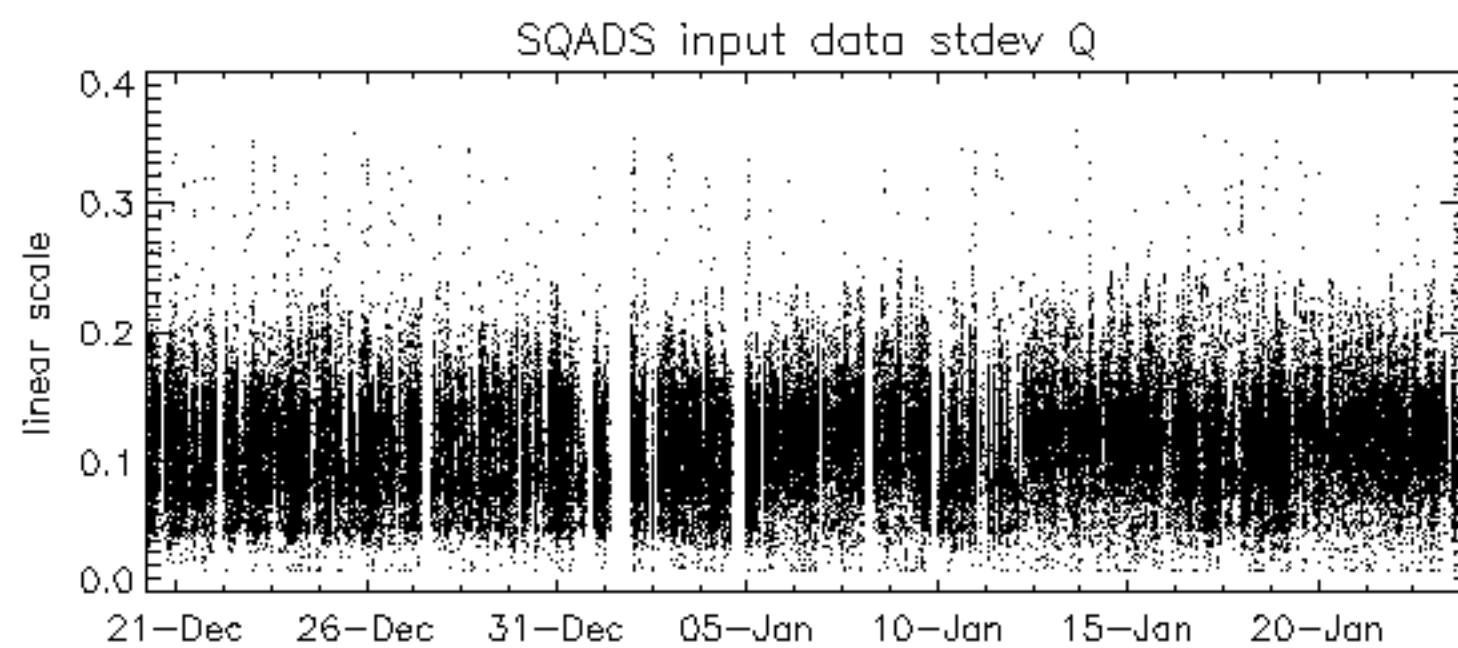
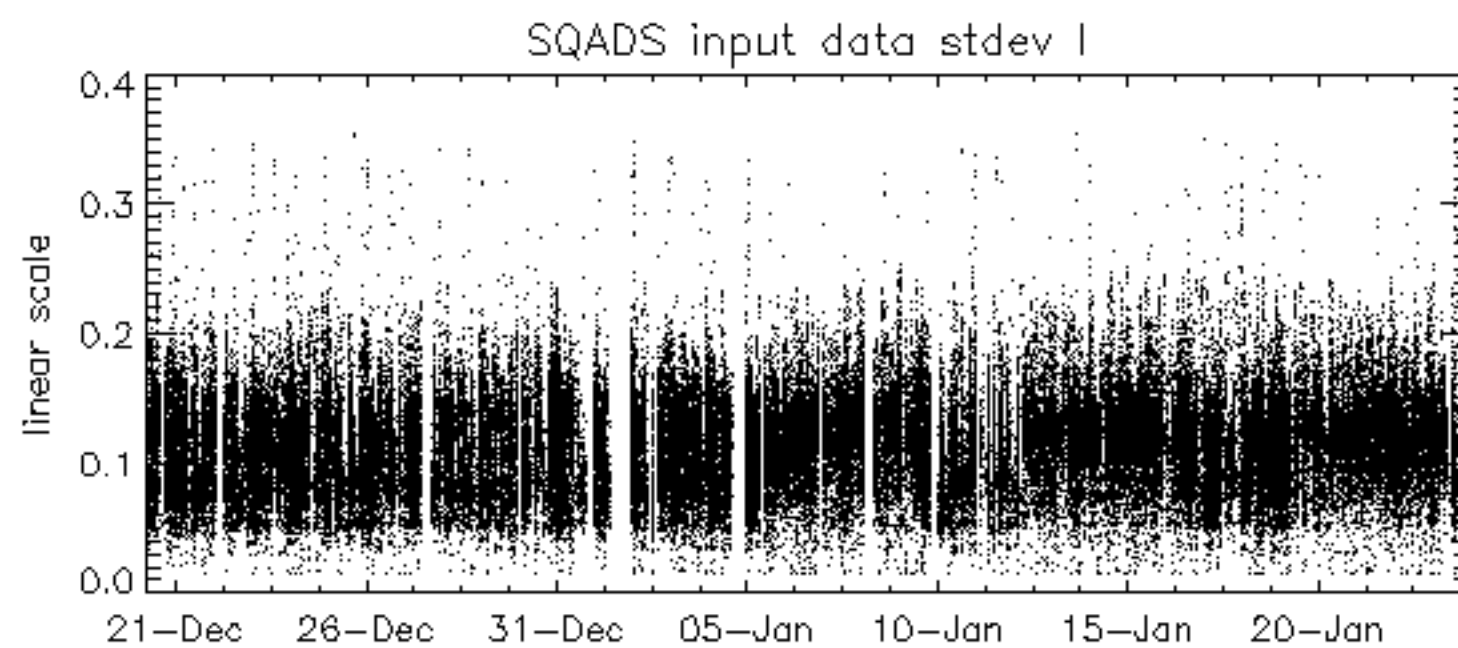
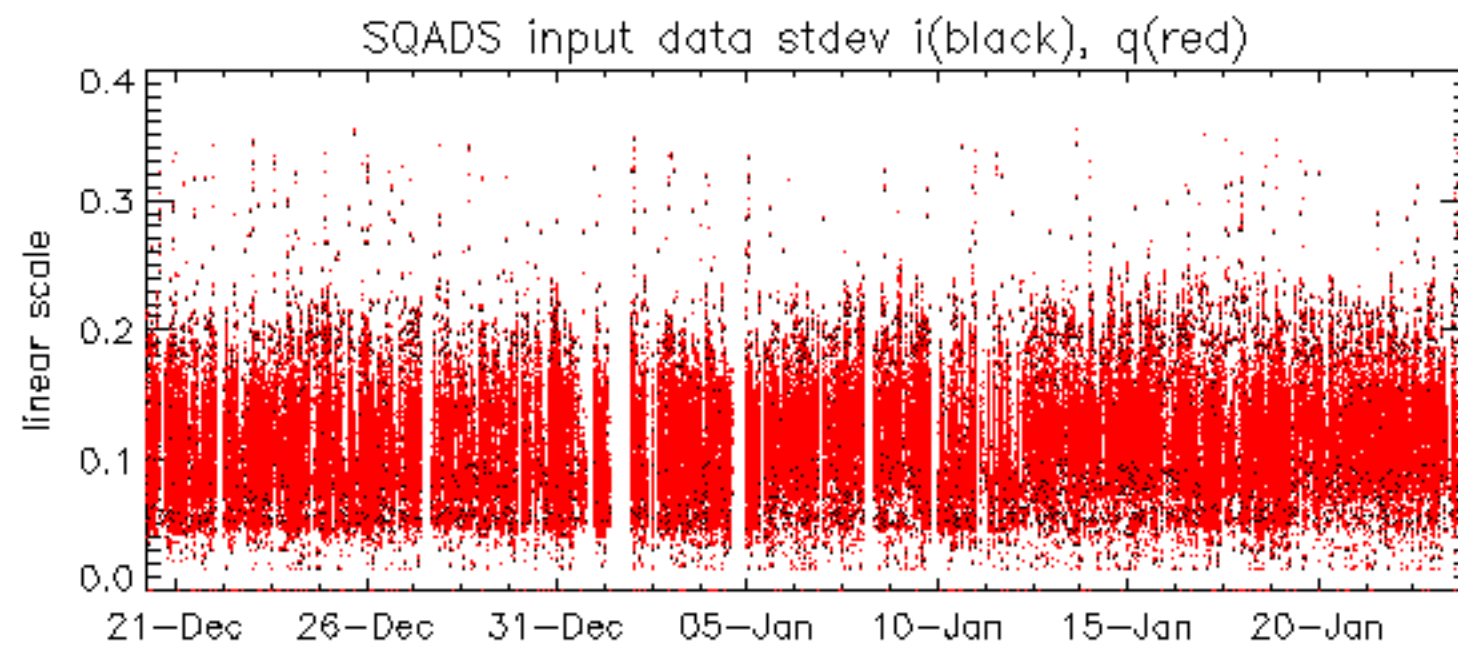
Doppler difference, estimated-predicted 'WVS' 'IS2' 'V/V' -error mean of -33.470702 Hz



No anomalies observed.







No unavailabilities during the reported period.