

REPORT OF 031230

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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	20031229 195950
H	20031229 195830

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	-3.73182	-22.5550	-8.16330
	stdev	0.00611440	0.0678371	0.00340217
24	mean	-5.07109	-21.1890	-8.16330
	stdev	0.0116010	0.0629765	0.00340217

4.2 - Cyclic statistics

row	stat	AveP1	AveP2	AveP3
3	mean	-3.75830	-22.5531	-8.14706
	stdev	0.0856832	0.0715623	0.00525980
24	mean	-5.08434	-21.1991	-8.14706
	stdev	0.0138687	0.0652096	0.00525980



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	0.000431882
	stdev	3.04626e-07
MEAN Q	mean	0.000292799
	stdev	3.69386e-07



5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.115691
	stdev	0.00144174
STDEV Q	mean	0.115944
	stdev	0.00145709



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

Descending

6.2 - Absolute Doppler

Evolution of Absolute Doppler

Ascending

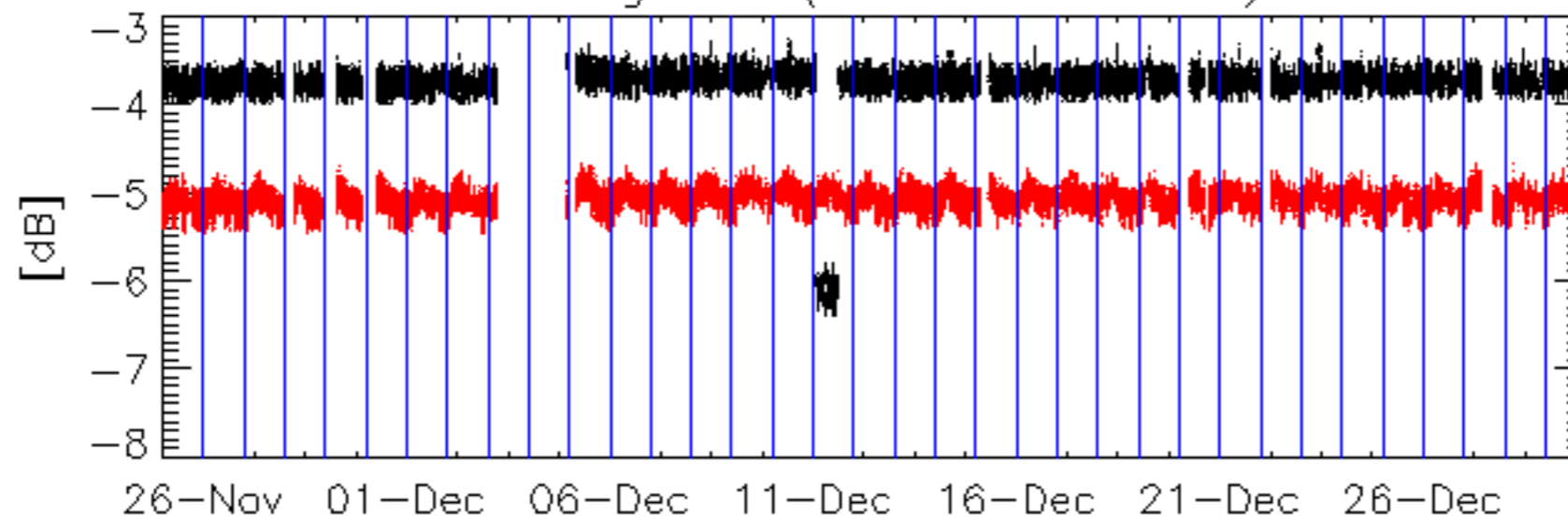
Descending

6.3 - Doppler evolution versus ANX

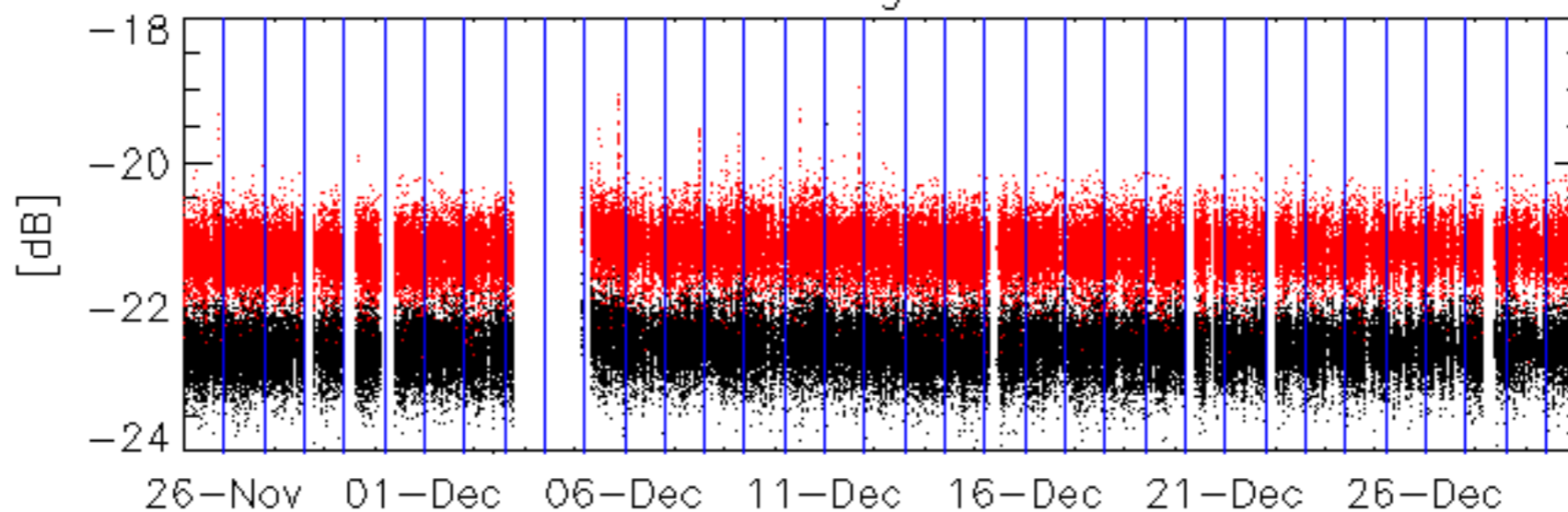
Evolution Doppler error versus ANX



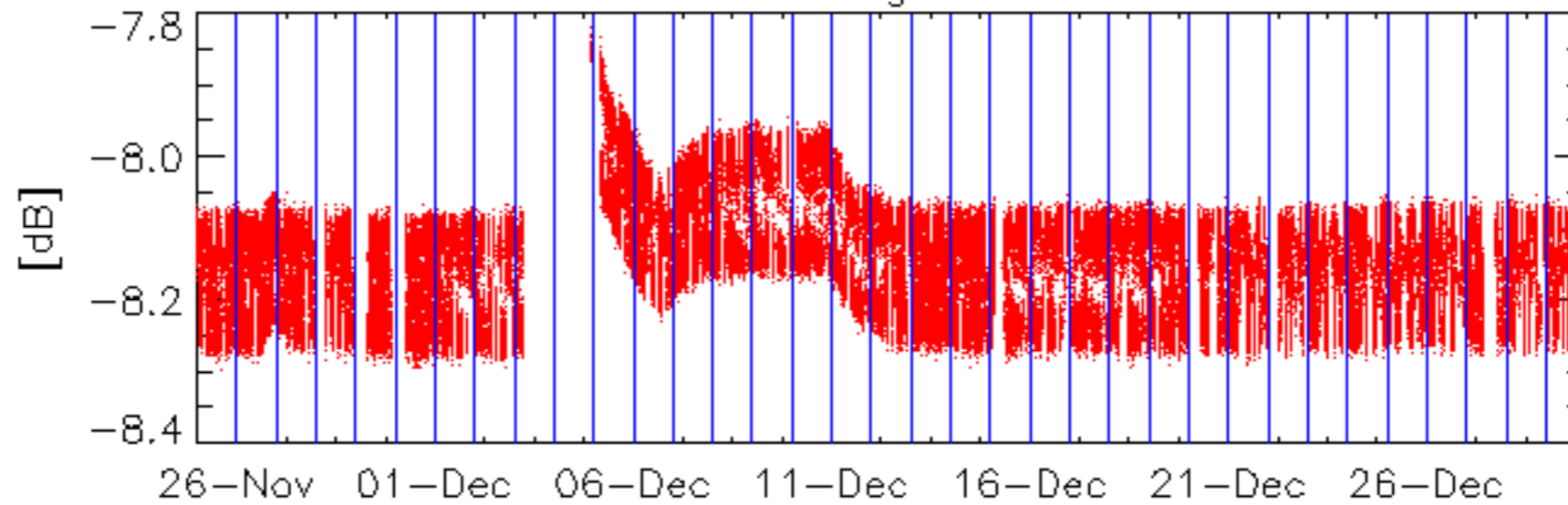
Average P1 (row 3 & row 24)



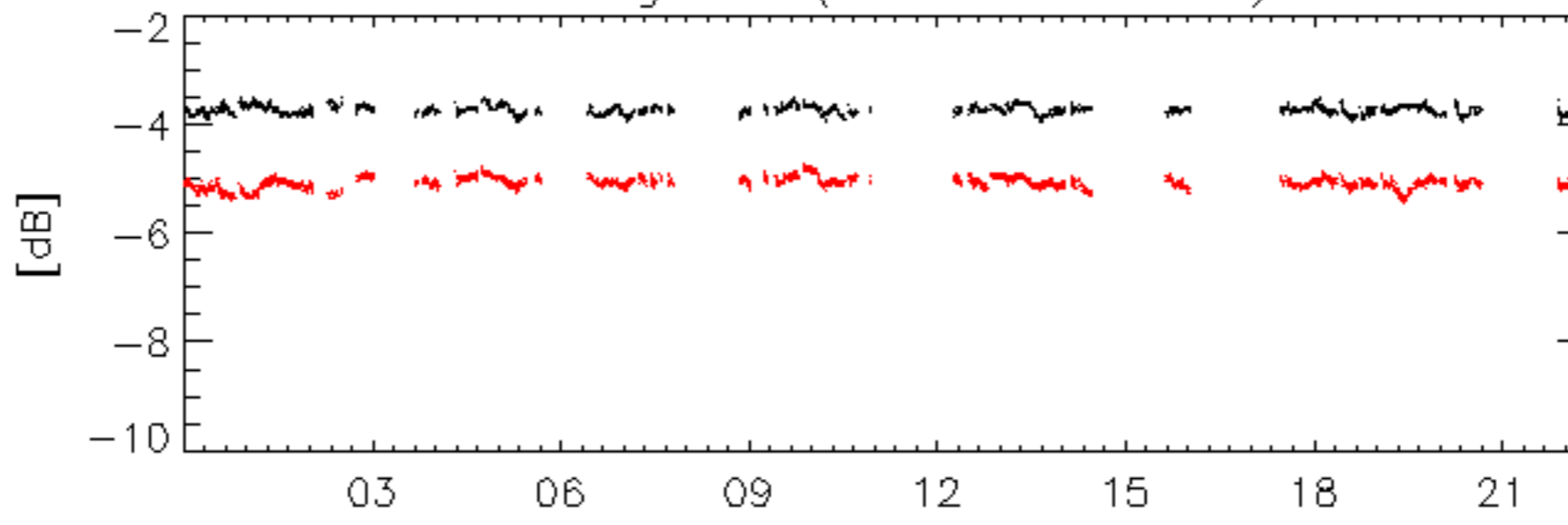
Average P2



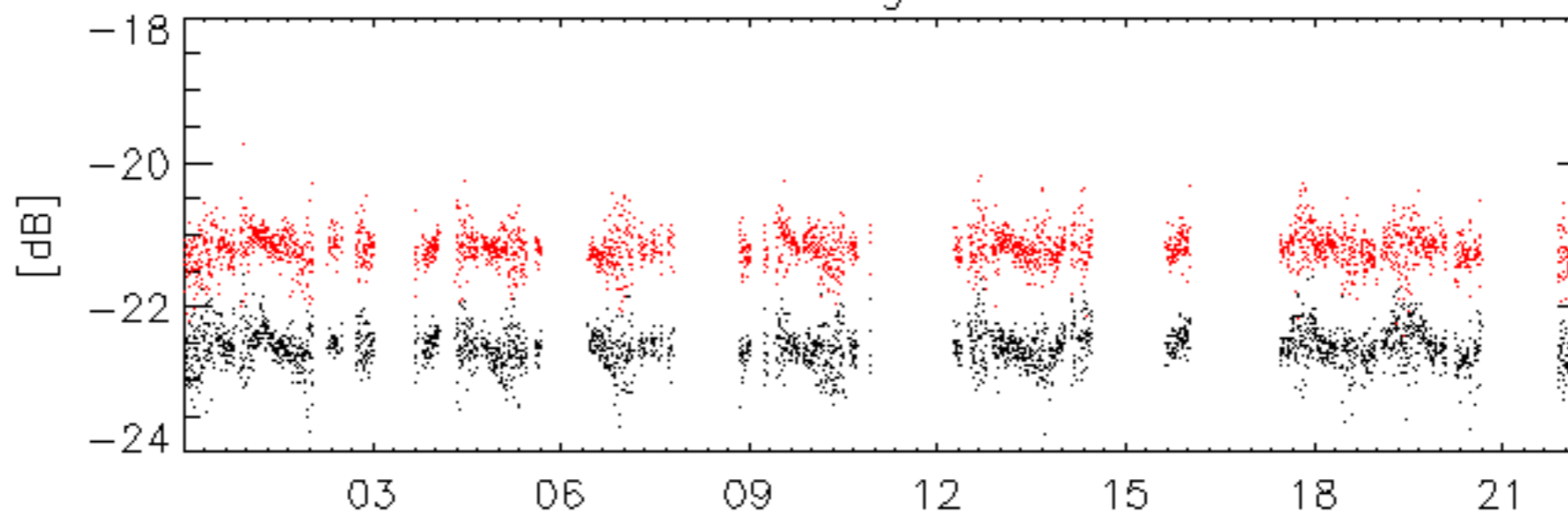
Average P3



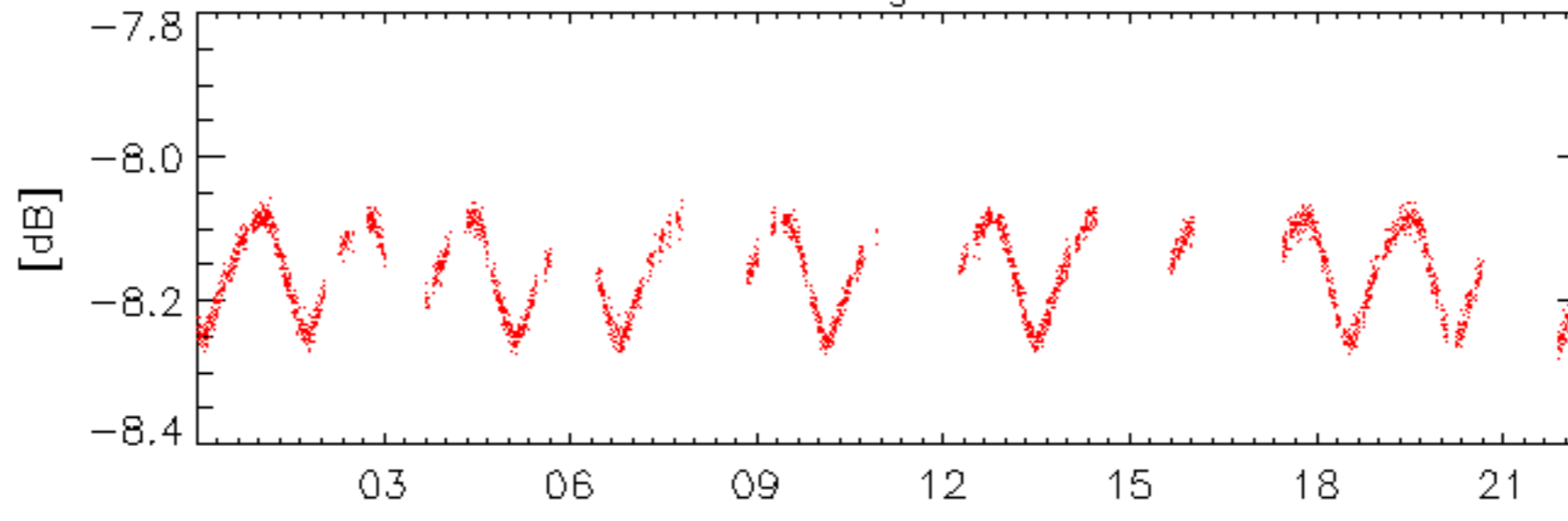
Average P1 (row 3 & row 24)



29-Dec
Average P2



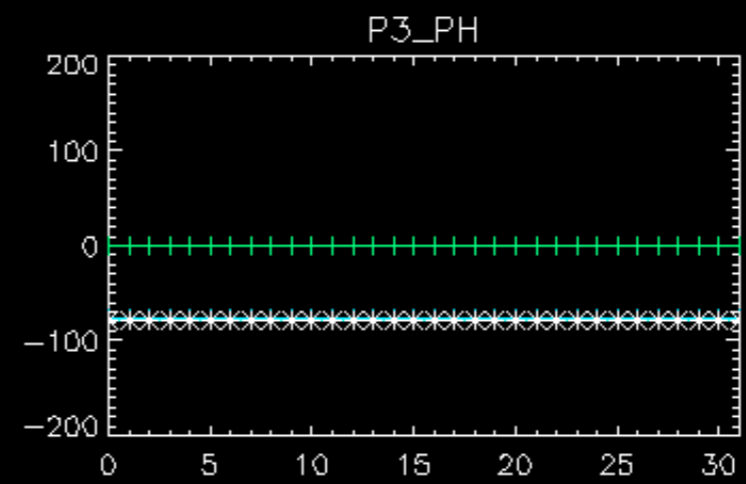
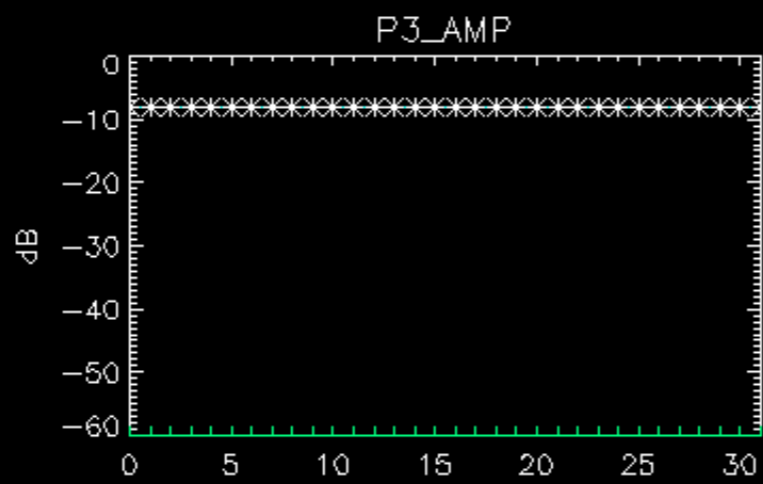
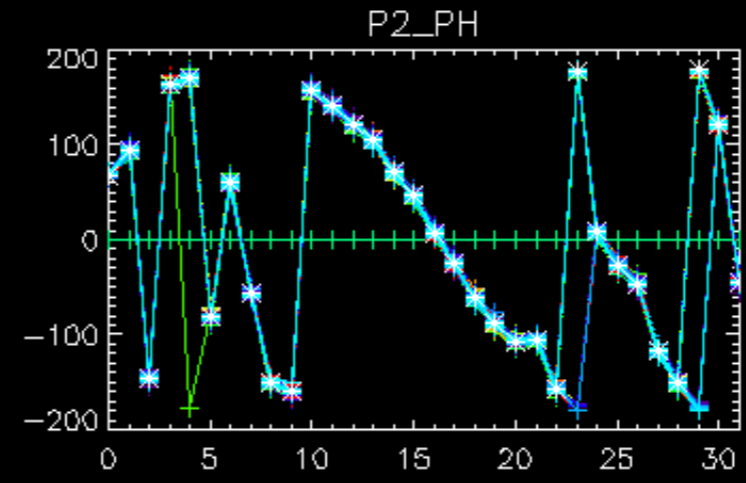
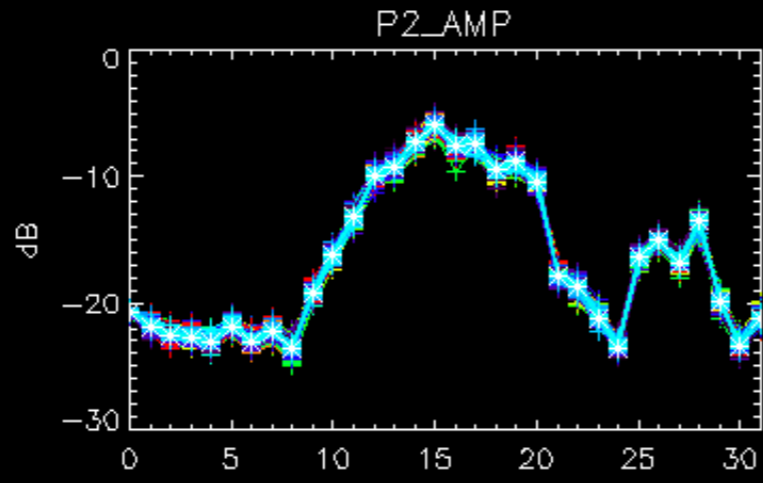
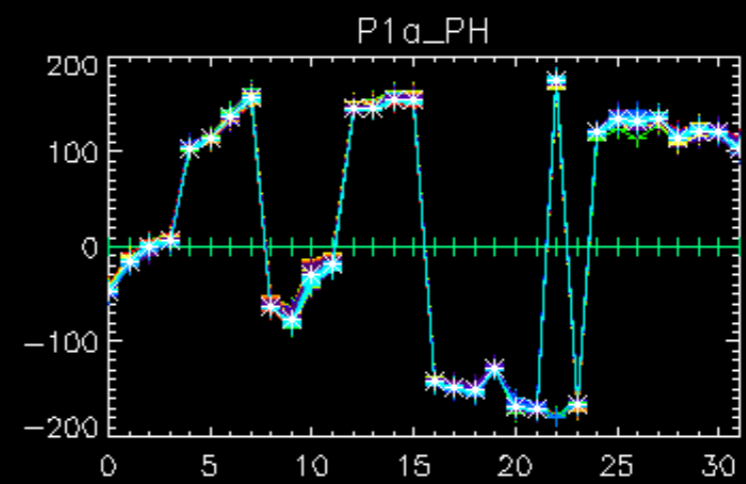
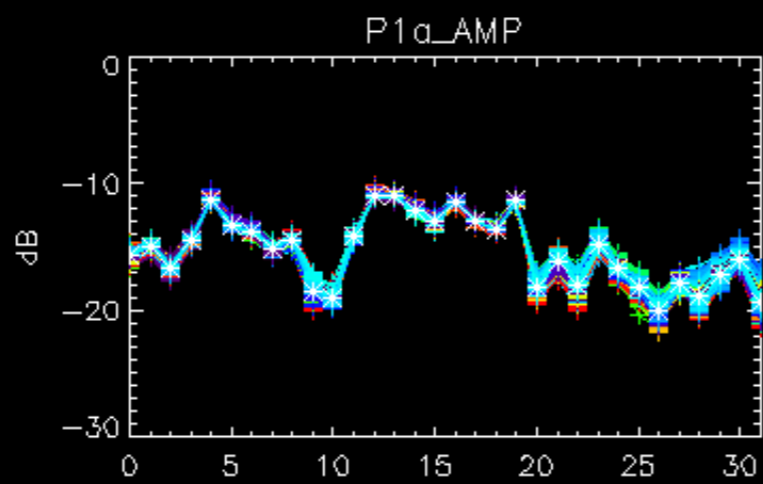
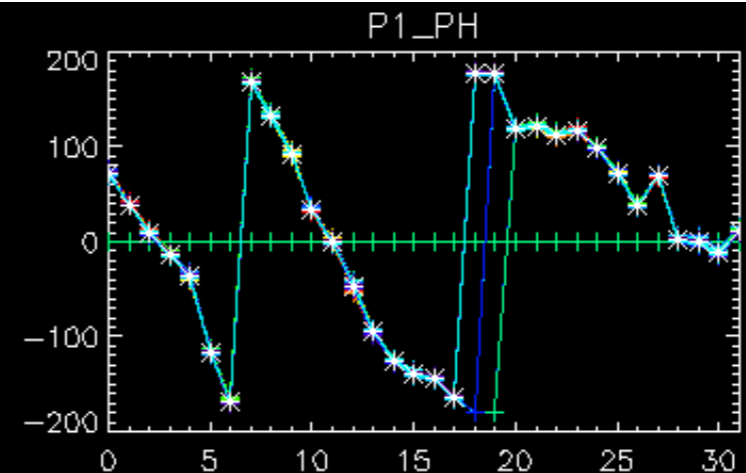
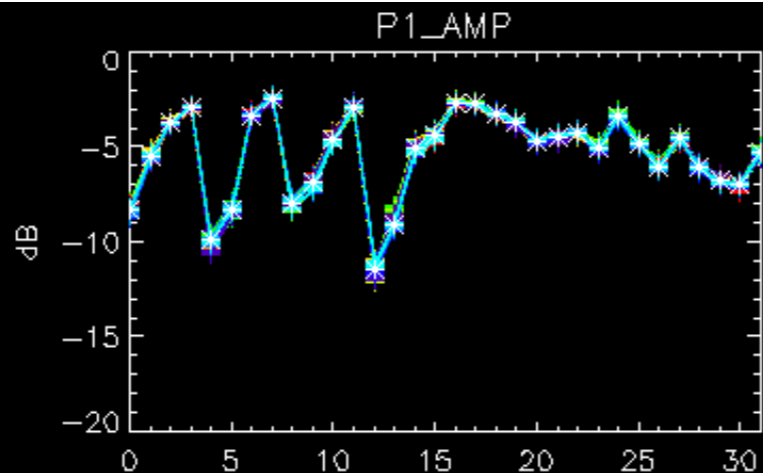
29-Dec
Average P3



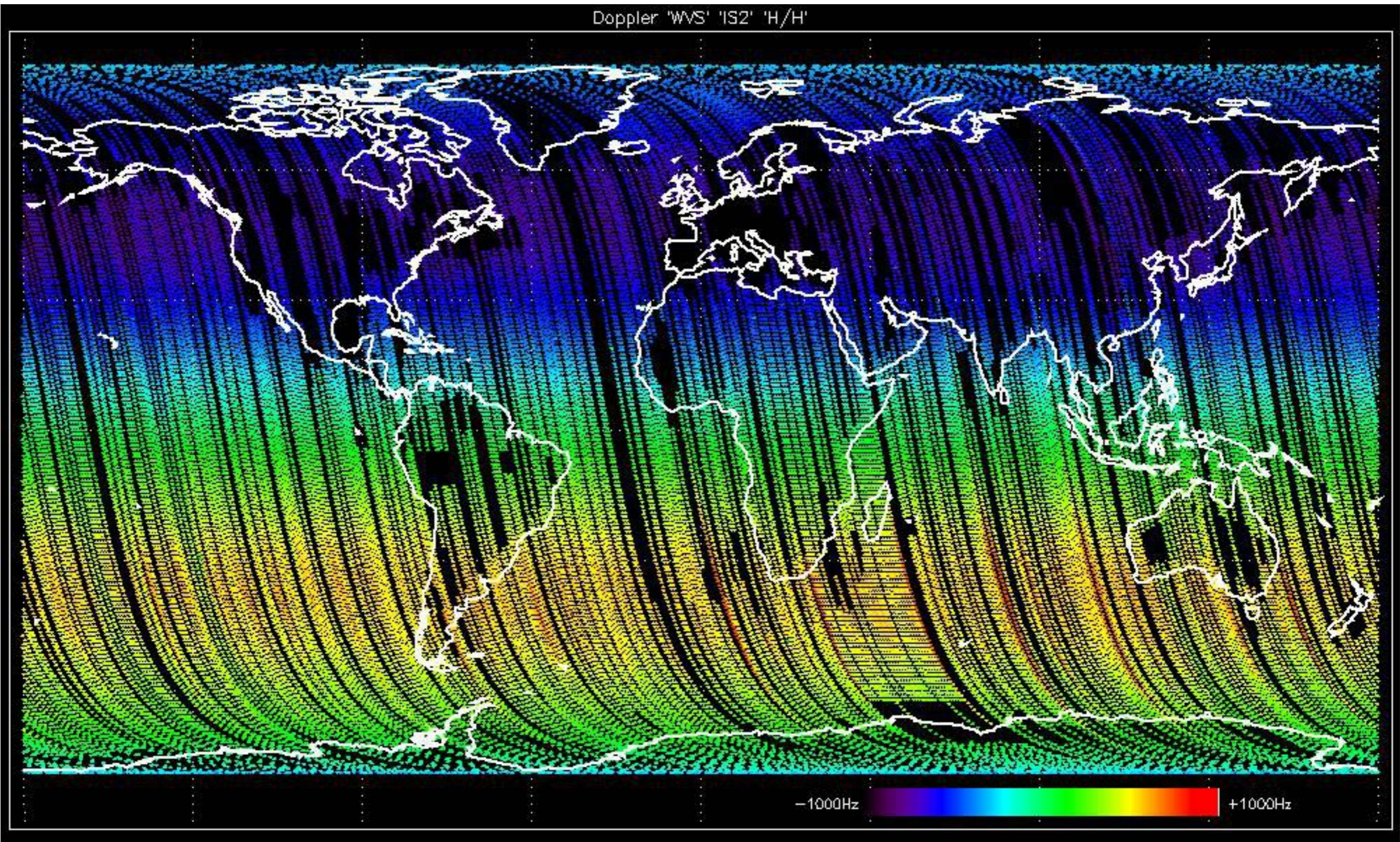
29-Dec

-Preliminary report.The data is not yet controled

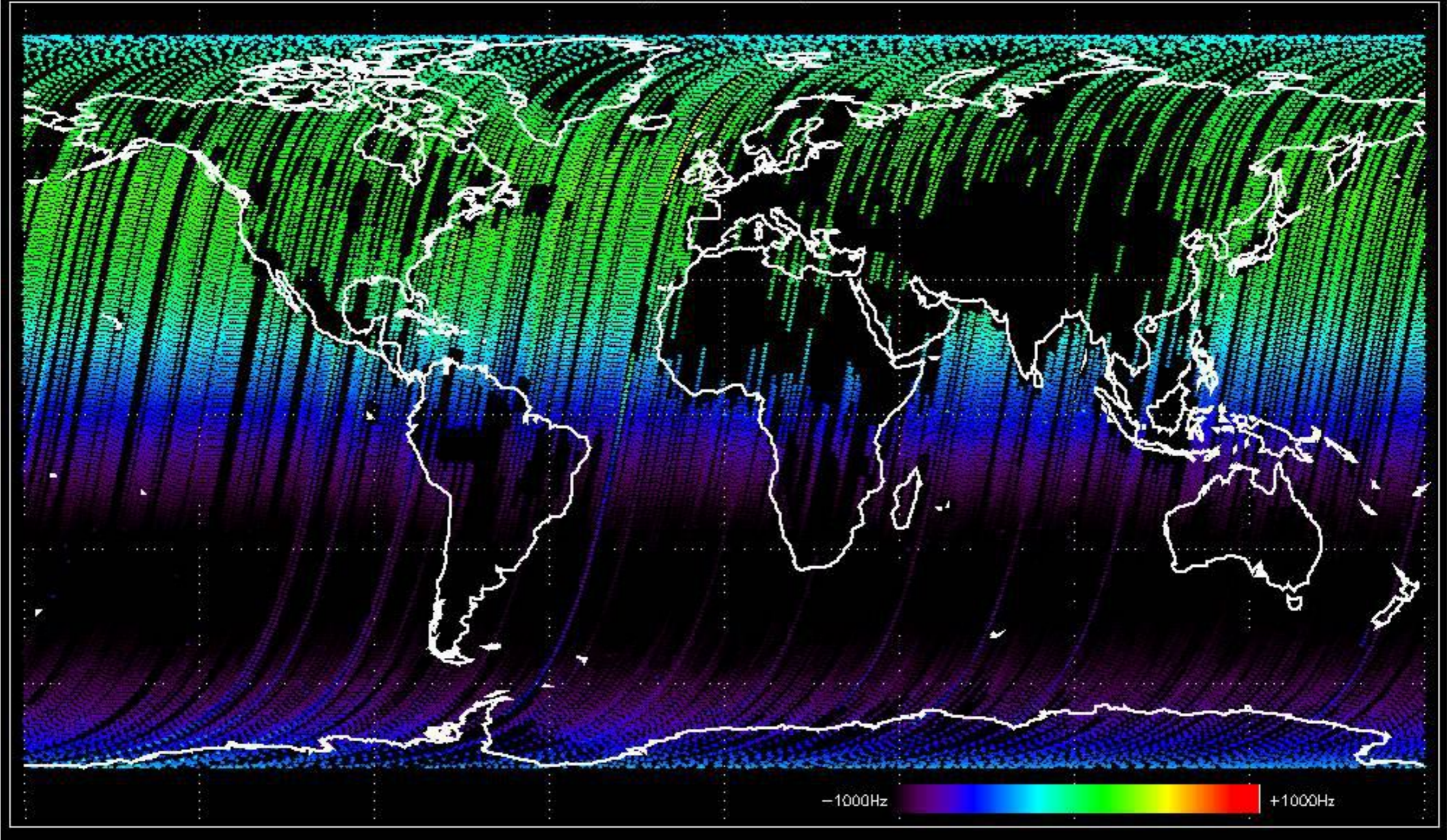


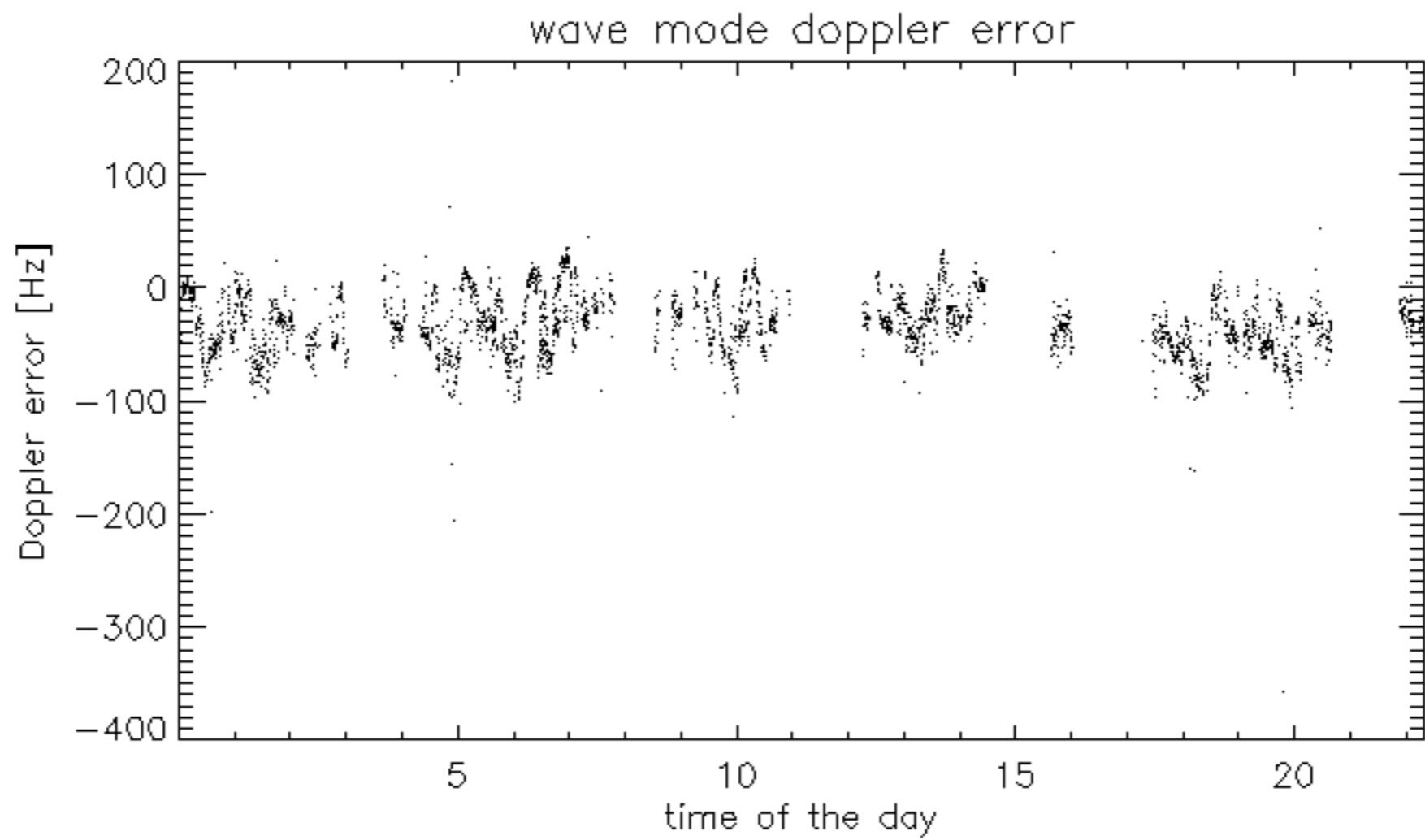
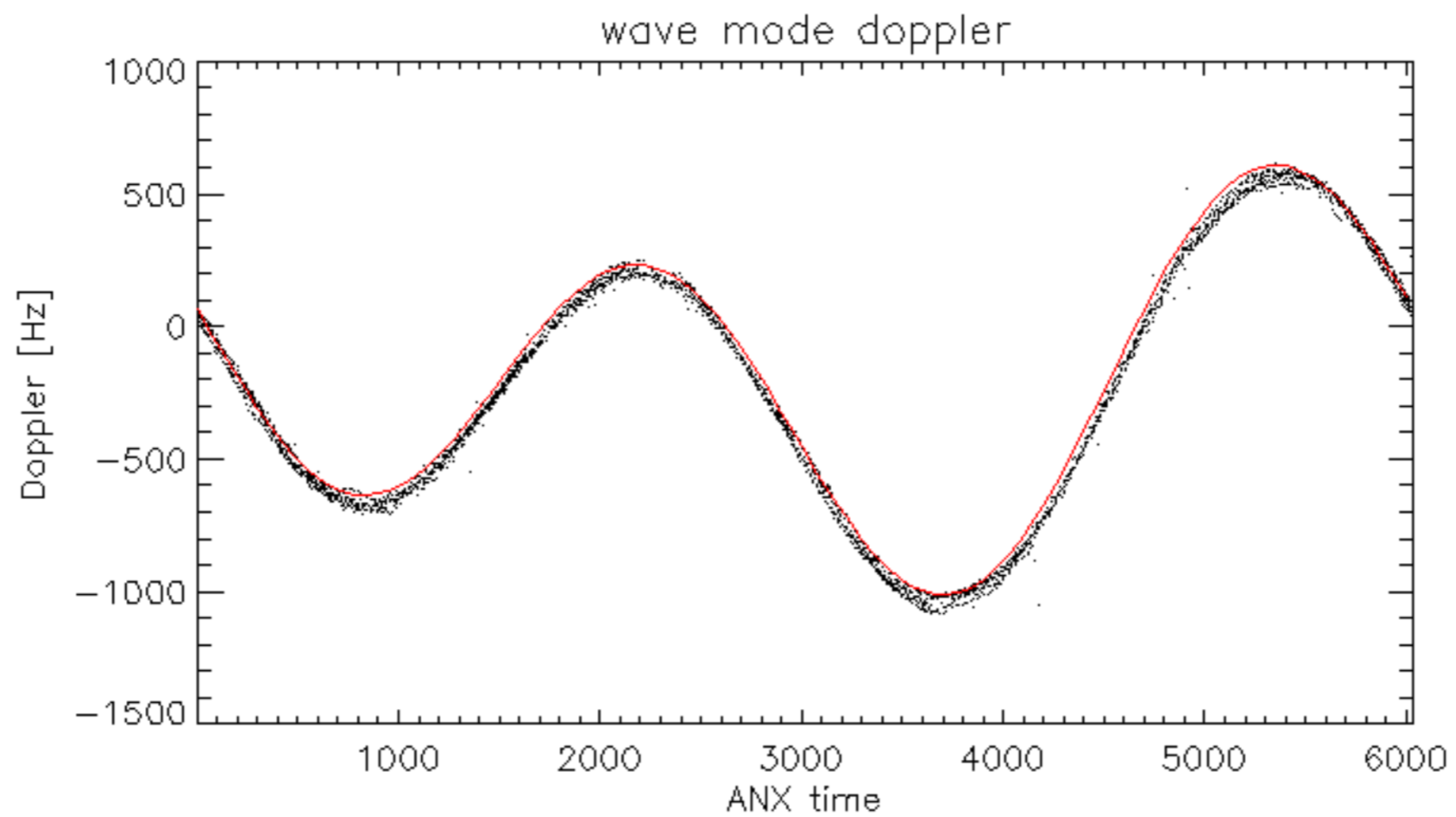


Doppler 'WVS' 'IS2' 'H/H'

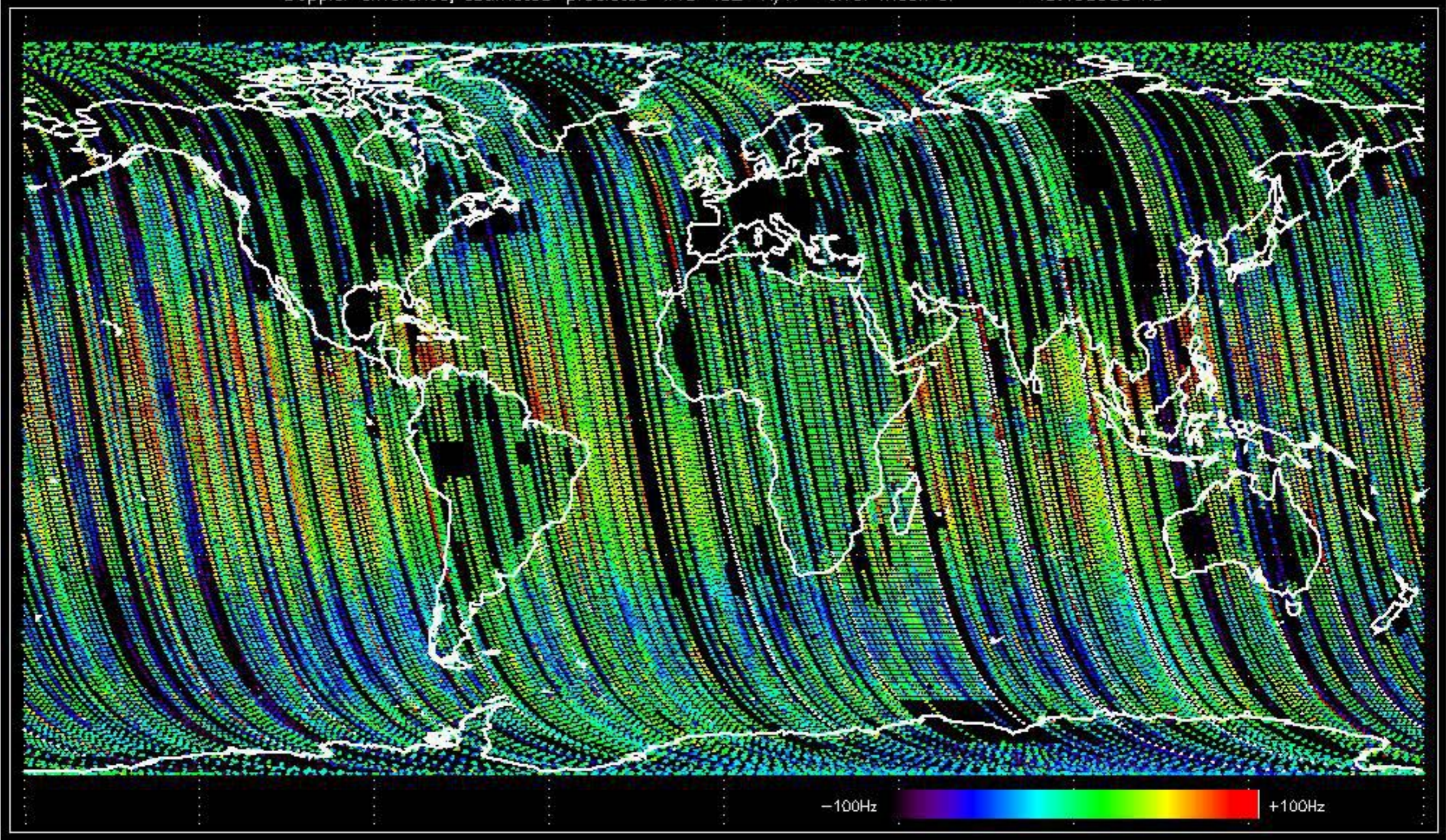


Doppler 'WVS' 'IS2' 'V/V'

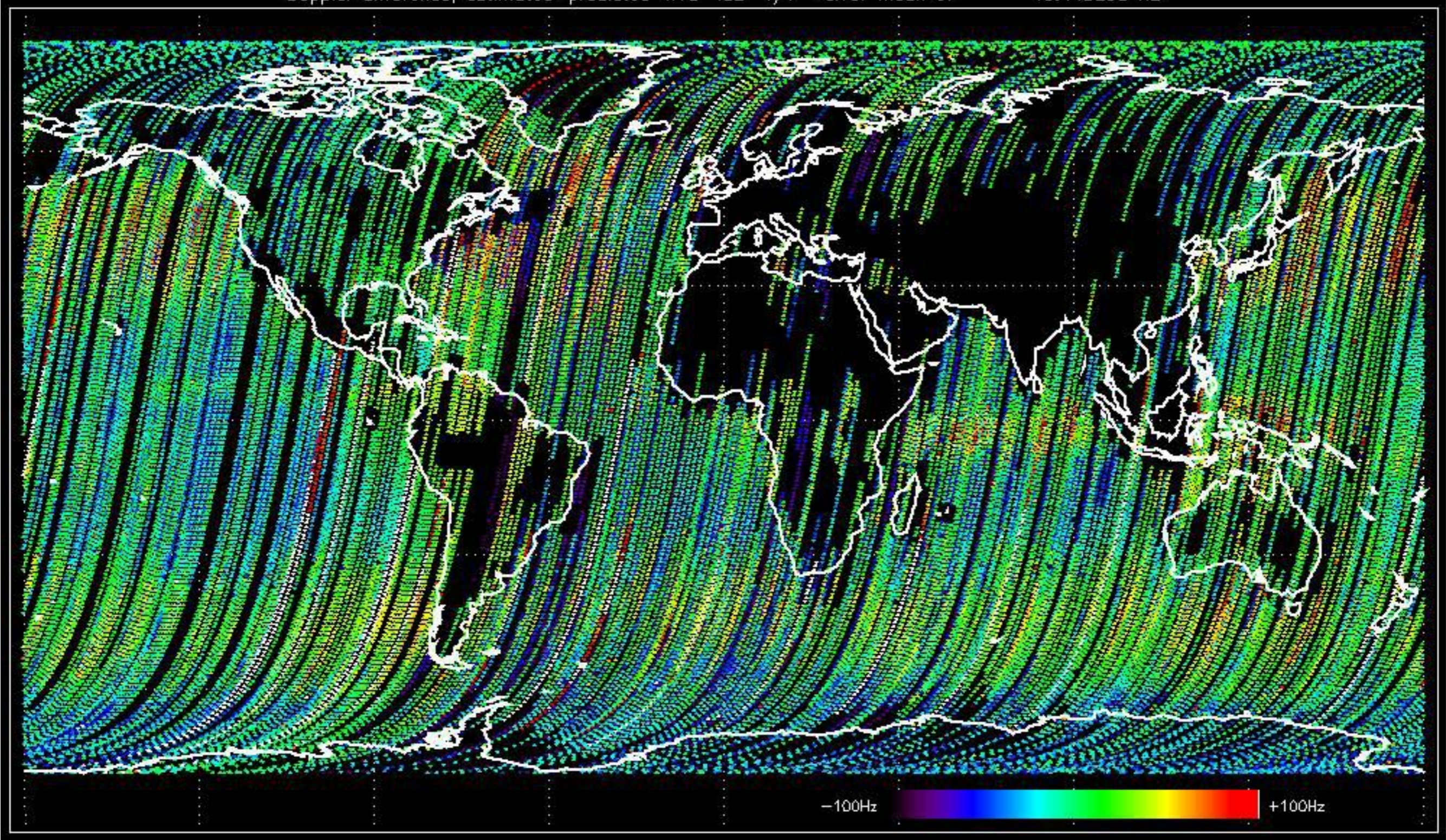




Doppler difference, estimated-predicted 'WVS' 'IS2' 'H/H' -error mean of -48.198988 Hz



Doppler difference, estimated-predicted 'WVS' 'IS2' 'V/V' -error mean of -43.449293 Hz



-Preliminary report. The data is not yet controled

