PRELIMINARY REPORT OF 050822



last update on Mon Aug 22 10:50:01 GMT 2005

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1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2005-08-21 00:00:00 to 2005-08-22 10:50:01

PE	DHS-K			
AUXILIARY FILE WV	S GM1	IMM A	APM	WSM



PDHS-E
AUXILIARY FILE WVS GM1 MM APM WSM

2.3 - Browse Visual Inspection

2.4 - Data Analysis

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

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation Start Time

MSM in V/V polarisation

MSM in H/H polarisation

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS



Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS

P1a Cyclic statistics

row pulse mean (dB) stdev (dB) slope(dB/cycle)

P1 Cyclic statistics

row pulse mean (dB) stdev (dB) slope(dB/cycle)

P2 Cyclic statistics

row pulse mean (dB) stdev (dB) slope(dB/cycle)

P3 Cyclic statistics

row pulse mean (dB) stdev (dB) slope(dB/cycle)



Evolution of cal pulses for GM1

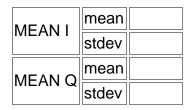
P1a Cyclic statistics	row pulse mean (dB) stdev (dB) slope(dB/cycle)
P1 Cyclic statistics	row pulse mean (dB) stdev (dB) slope(dB/cycle)
P2 Cyclic statistics	row pulse mean (dB) stdev (dB) slope(dB/cycle)
P3 Cyclic statistics	row pulse mean (dB) stdev (dB) slope(dB/cycle)
4.3 - cal pulses monitoring (all rows)	
4.3.1 - Evolution for WVS	
4.3.2 - Evolution for GM1	

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel stat DSS-B





5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	
	stdev	
STDEV Q	mean	
	stdev	

 \triangleright

5.3 - Gain imbalance I/Q

X

6 - Telemetry analysis

Summary of analysis for the last 3 days 2005082[012]

The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

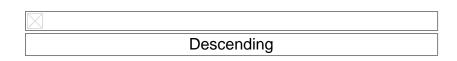
Filename num_gaps num_missing_lines

7 - Doppler Analysis

Preliminary report. The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)
Acsending





7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler	
\boxtimes	
	Acsending
\boxtimes	
	Descending

7.3 - Doppler evolution versus ANX for WVS

7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)
Acsending
Descending

7.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler		
\boxtimes		
	Acsending	
\boxtimes		
	Descending	



7.6 - Doppler evolution versus ANX for GM1

No anomalies observed.



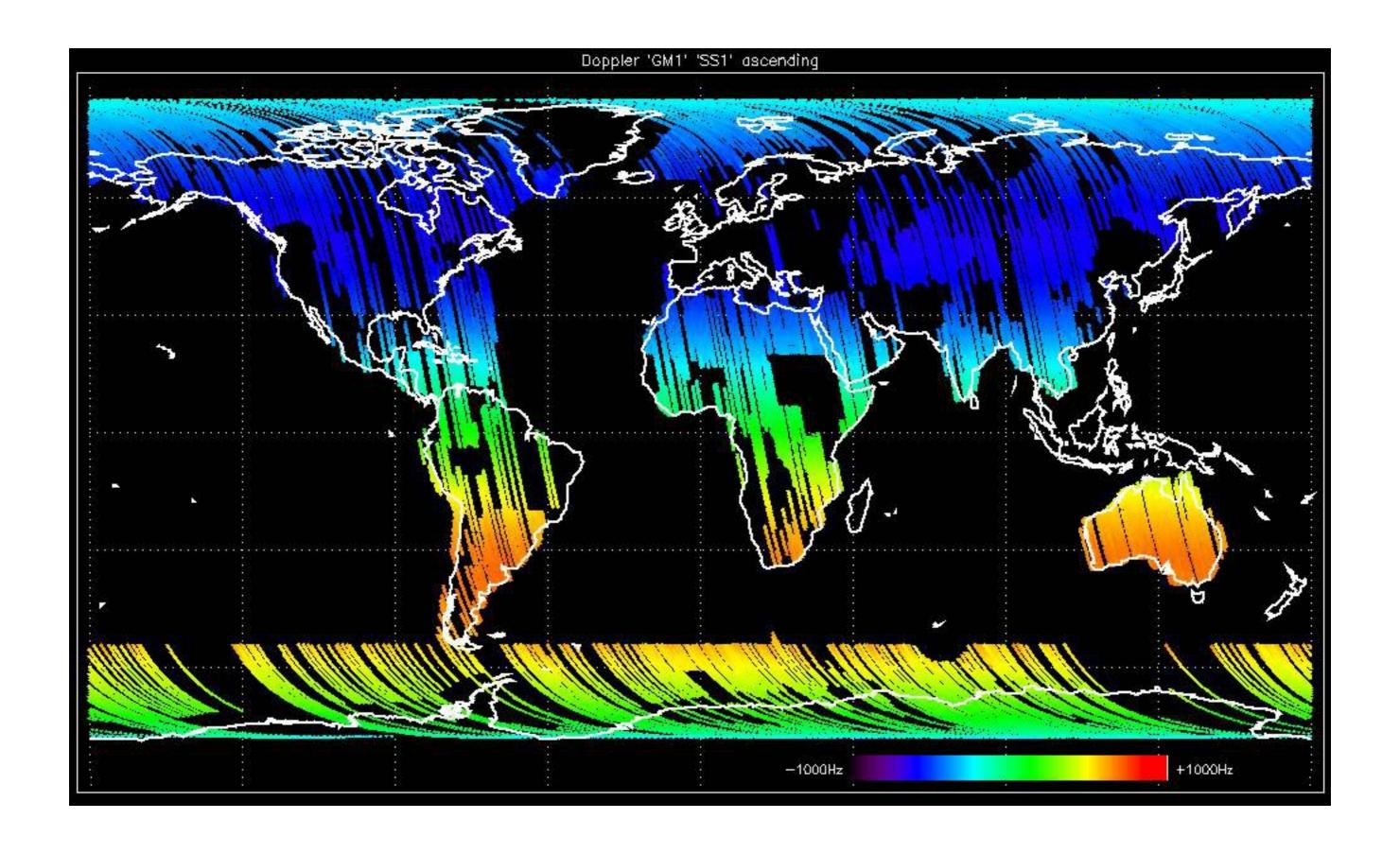
- -Stable wave internal calibration pulses gain and phase.
- -Stable raw data statistics.
- -Nominal Doppler behavior.



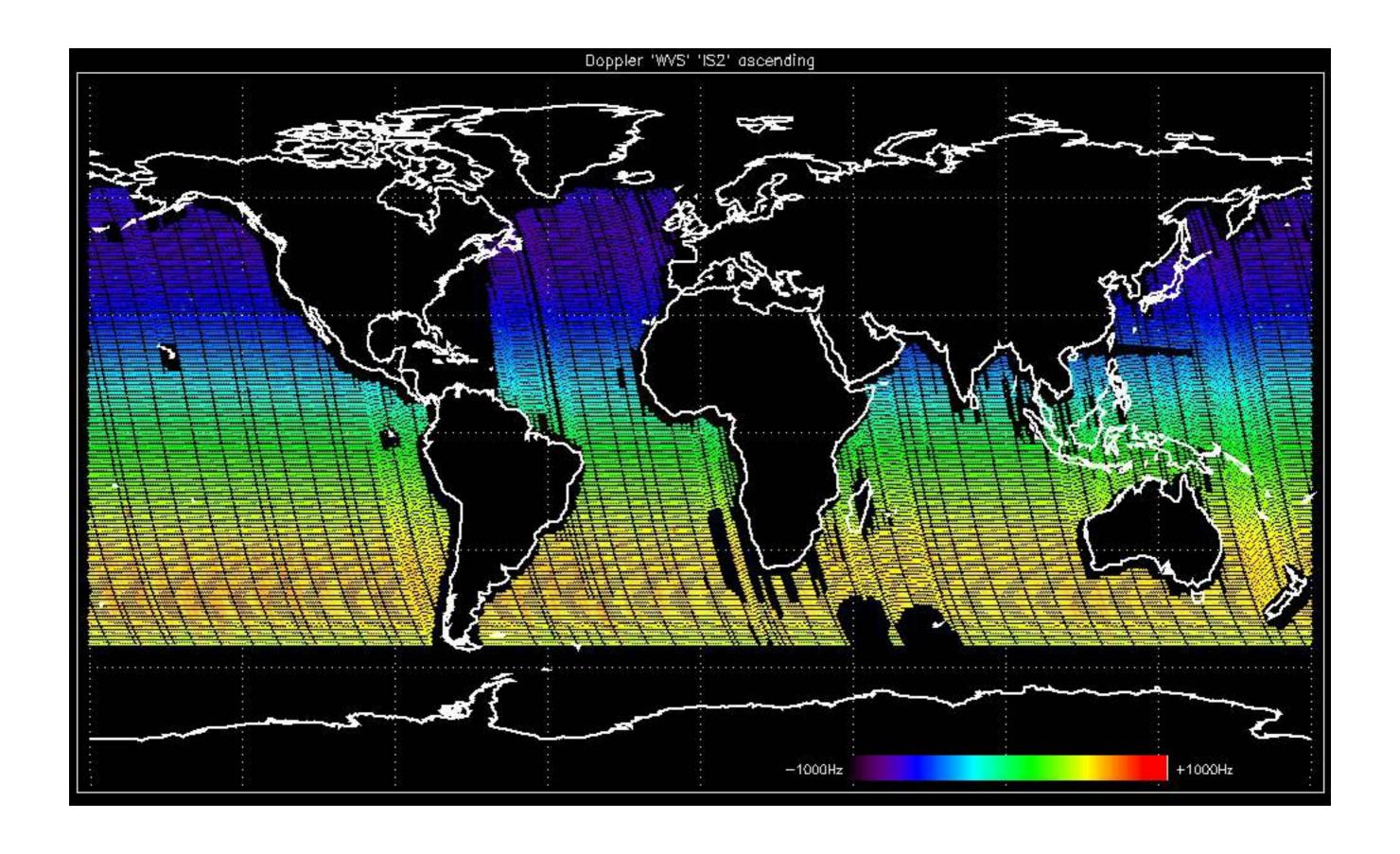
Preliminary report. The data is not yet controled



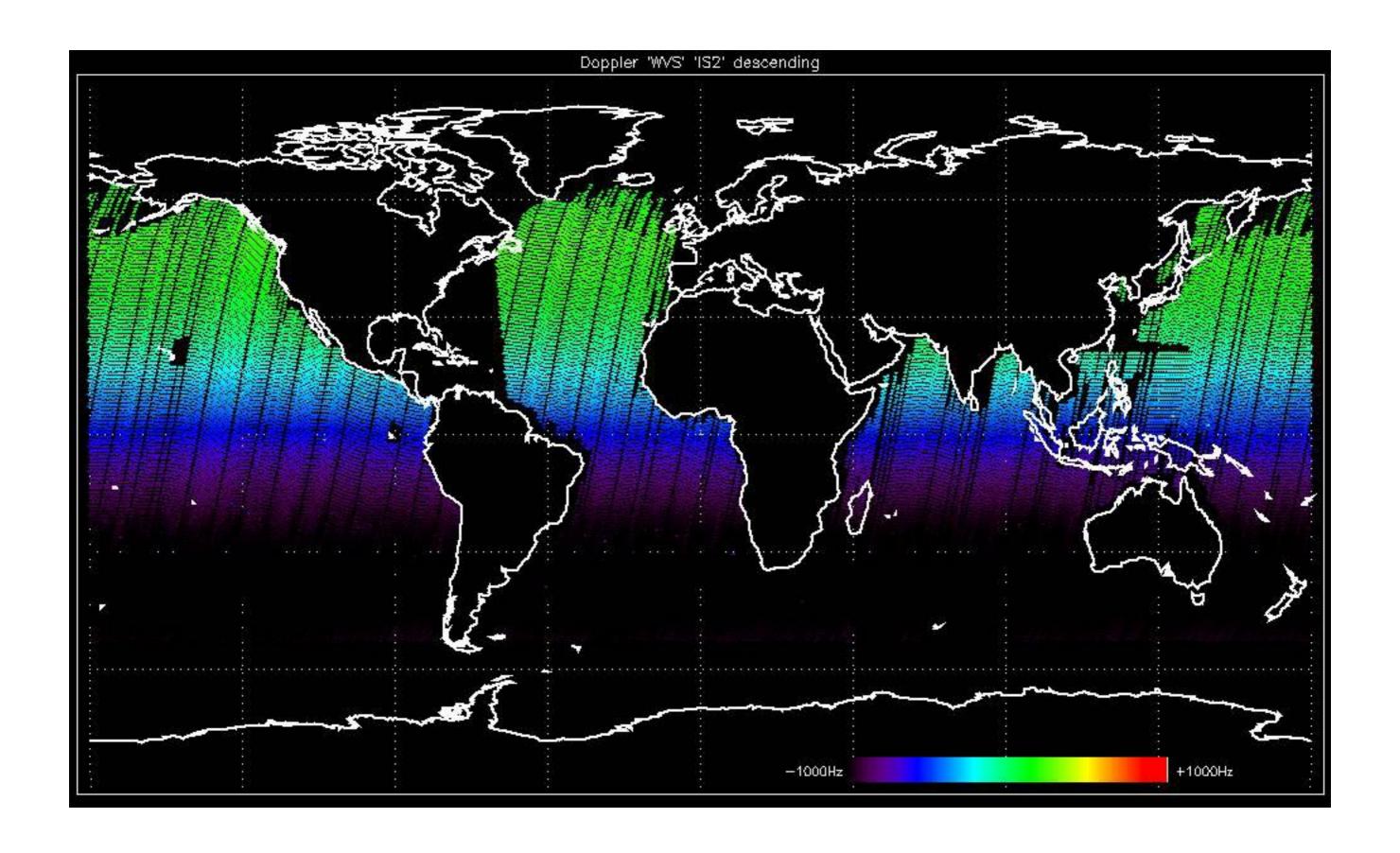




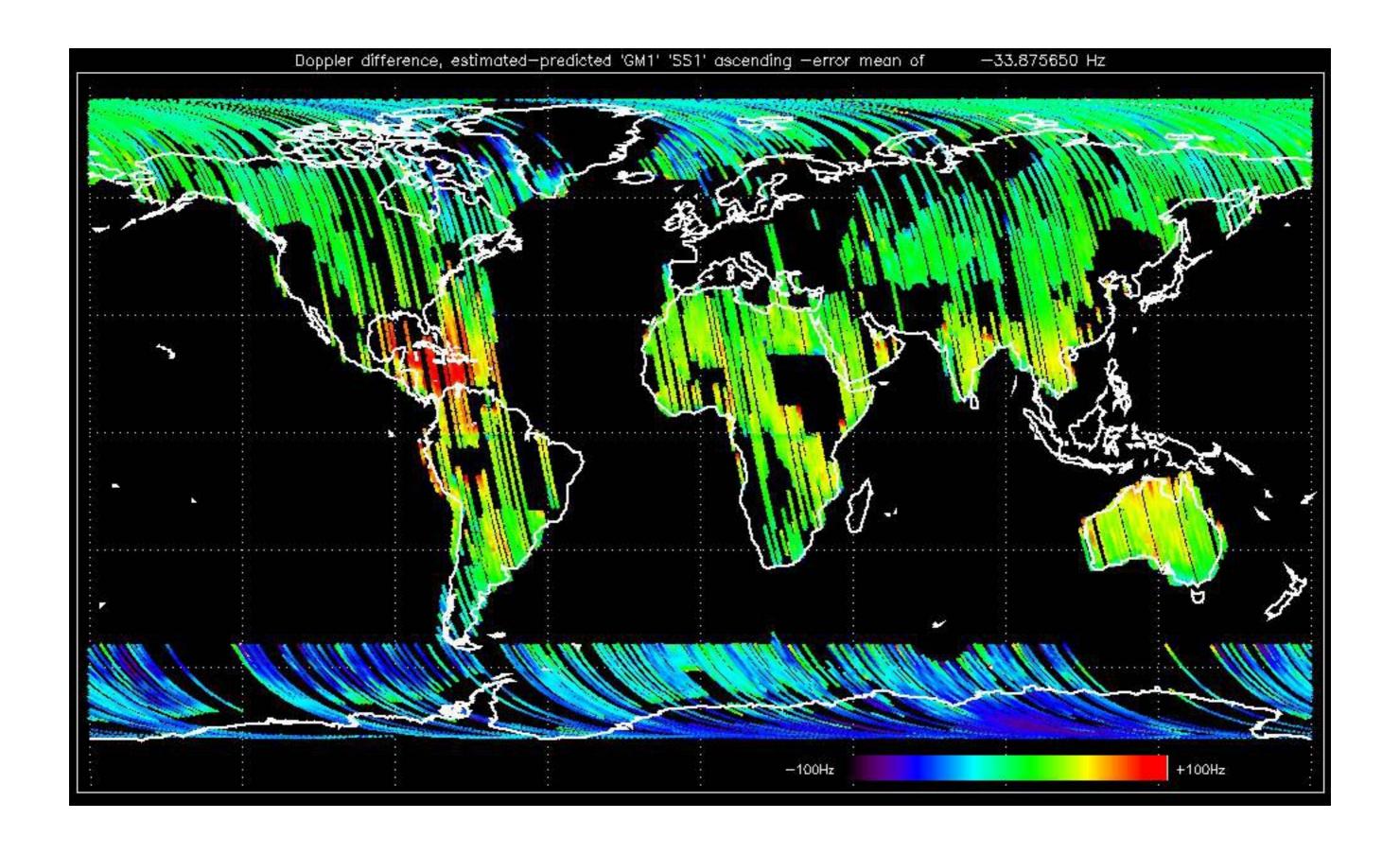




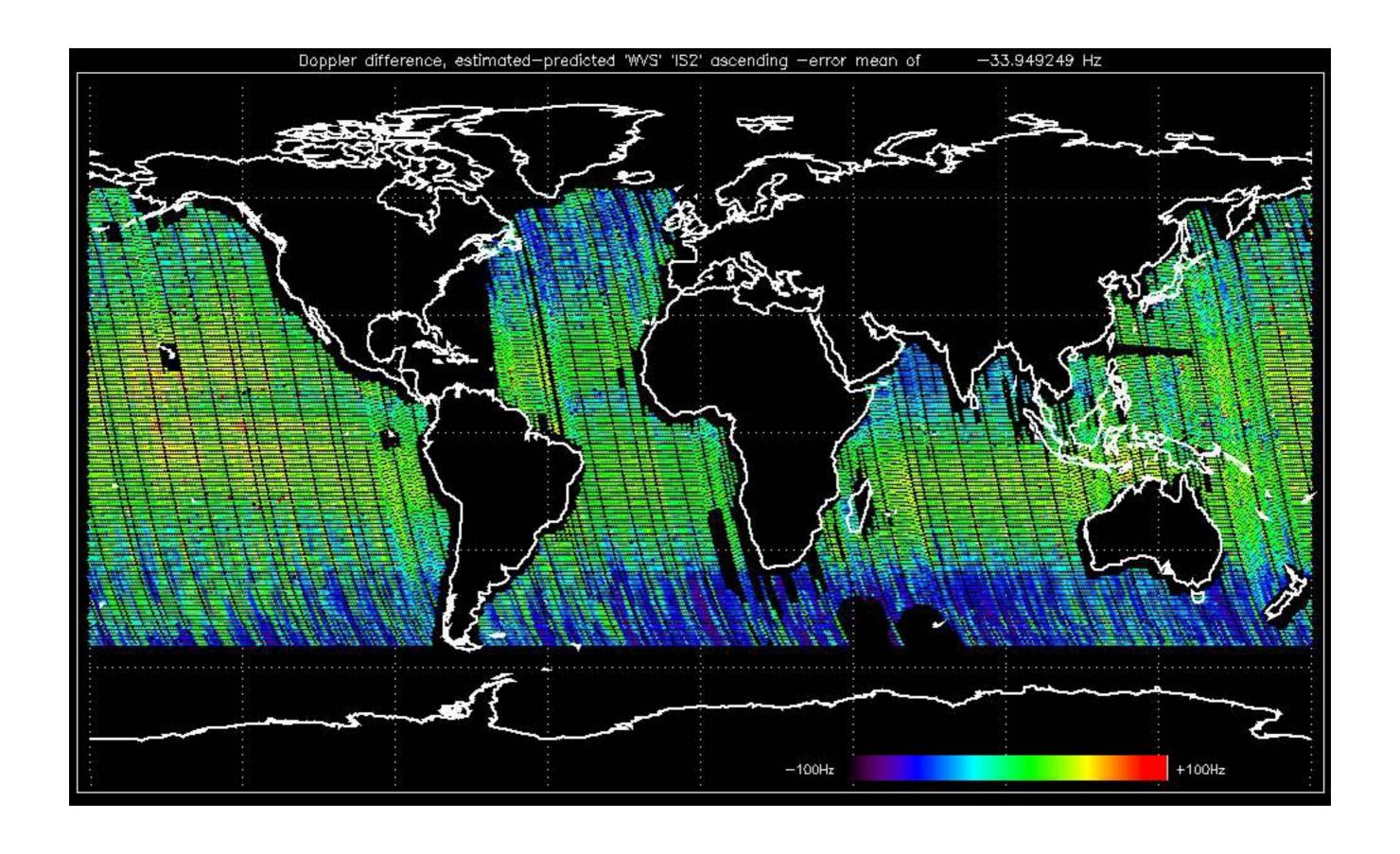




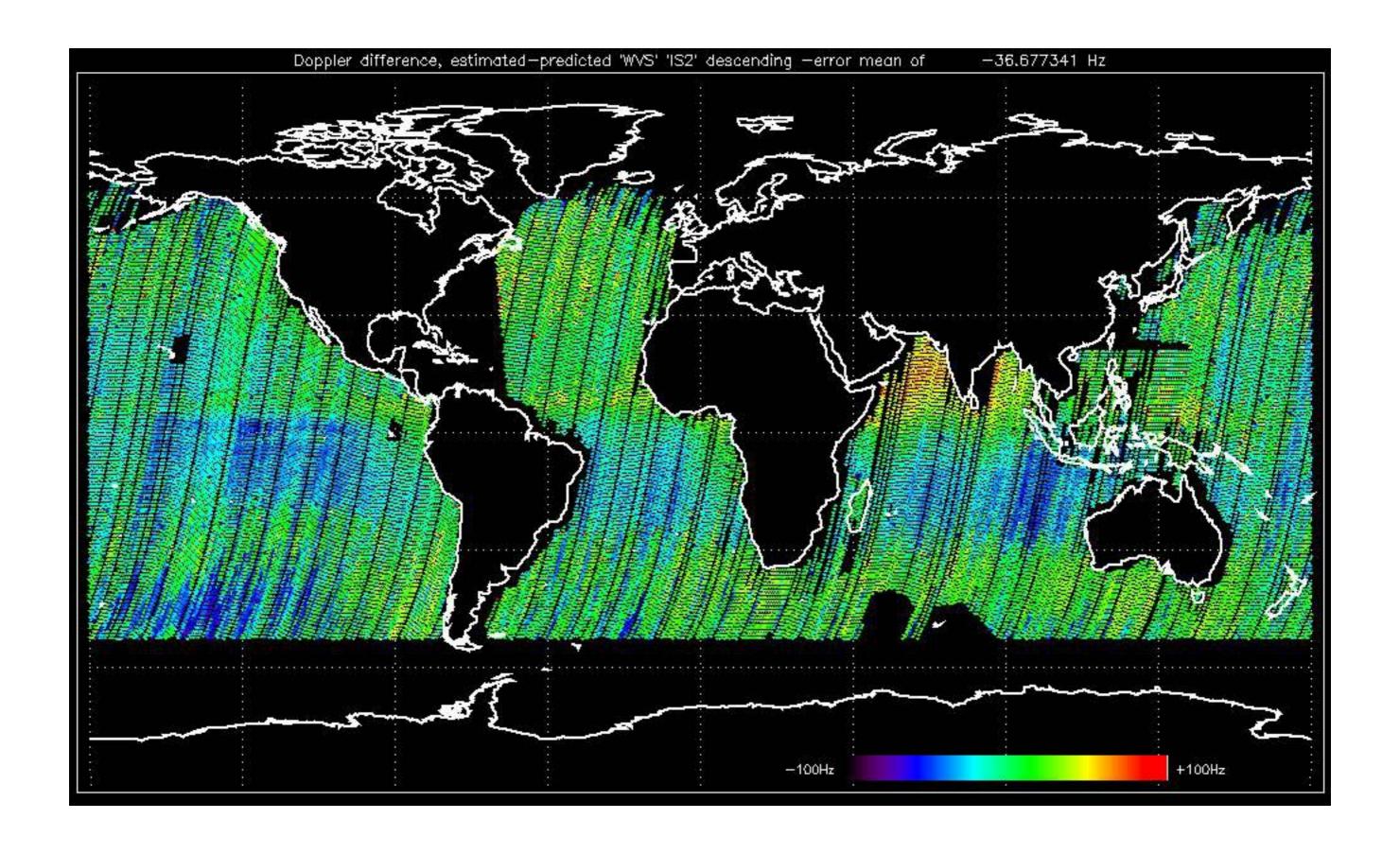












No anomalies observed on available MS products:



No anomalies observed.



Summary of analysis for the last 3 days 2005082[012]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename

num_gaps
>th>>num_missing_lines

br>
colored



No unavailabilities during the reported period.

