

REPORT OF 040714

last update on Thu Jul 15 12:49:53 GMT 2004

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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 - Browse Visual Inspection

No anomalies observed on available browse products

2.3 - Data Analysis

Analysis not performed due to system maintenance.

3 - Module Stepping Mode

The MS mode provides an internal health check on an individual module basis.
The purpose of this mode is to identify any malfunctioning modules and to identify modules for which calibration offsets are to be applied.
Analysis not performed due to system maintenance.

- ASA_MS__0PNPDK20040714_073801_000000152028_00321_12399_0021.N1

Polarisation	Start Time
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MSM in V/V polarisation

MSM in H/H polarisation

4 - Internal calibration Results

Analysis not performed due to system maintenance.

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)
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P1 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
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P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
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P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
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4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1

P1a Cyclic statistics

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

Analysis not performed due to system maintenance.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000497902
	stdev	2.11024e-07
MEAN Q	mean	0.000546140
	stdev	2.39812e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.129781
	stdev	0.00103406
STDEV Q	mean	0.130034

5.3 - Gain imbalance I/Q

6 - Doppler Analysis

Preliminary report. The data is not yet controlled

6.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)	
<input type="checkbox"/>	
	Acsending
<input type="checkbox"/>	
	Descending

6.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler	
<input type="checkbox"/>	
	Acsending
<input type="checkbox"/>	
	Descending

6.3 - Doppler evolution versus ANX for WVS

6.4 - Unbiased Doppler Error for GM1

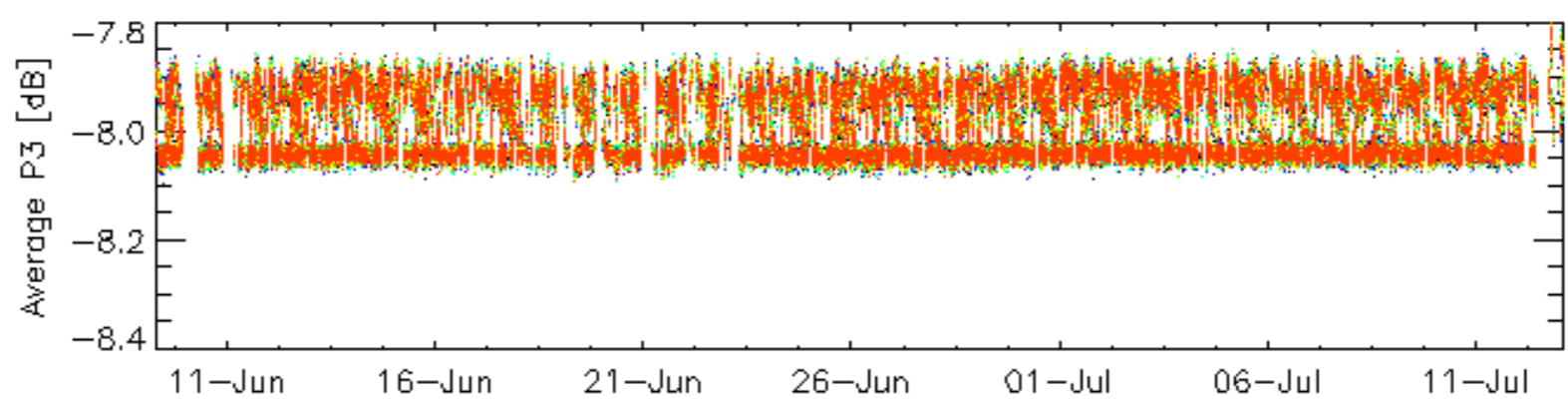
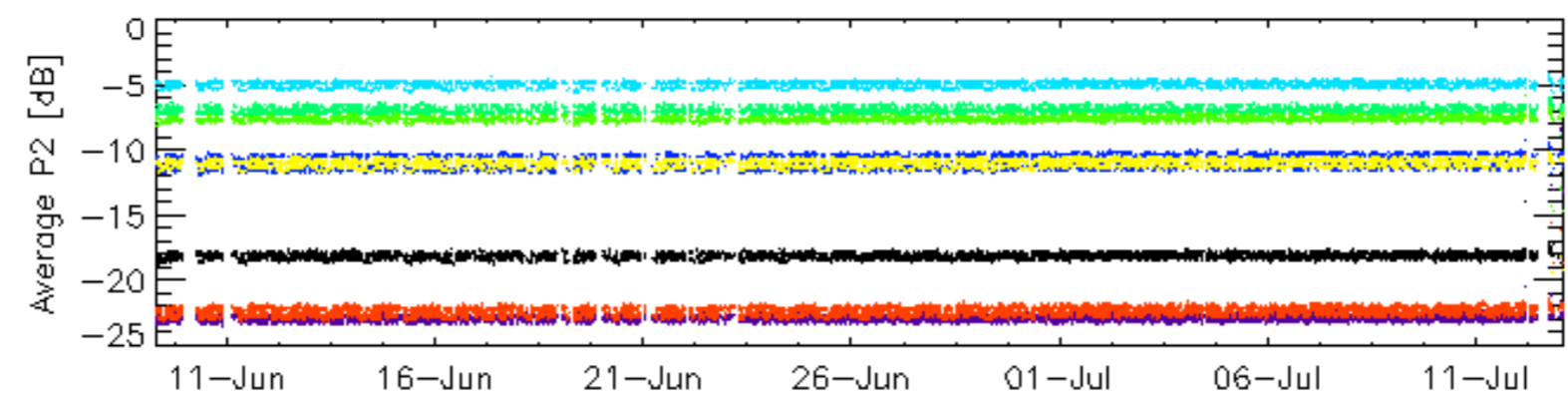
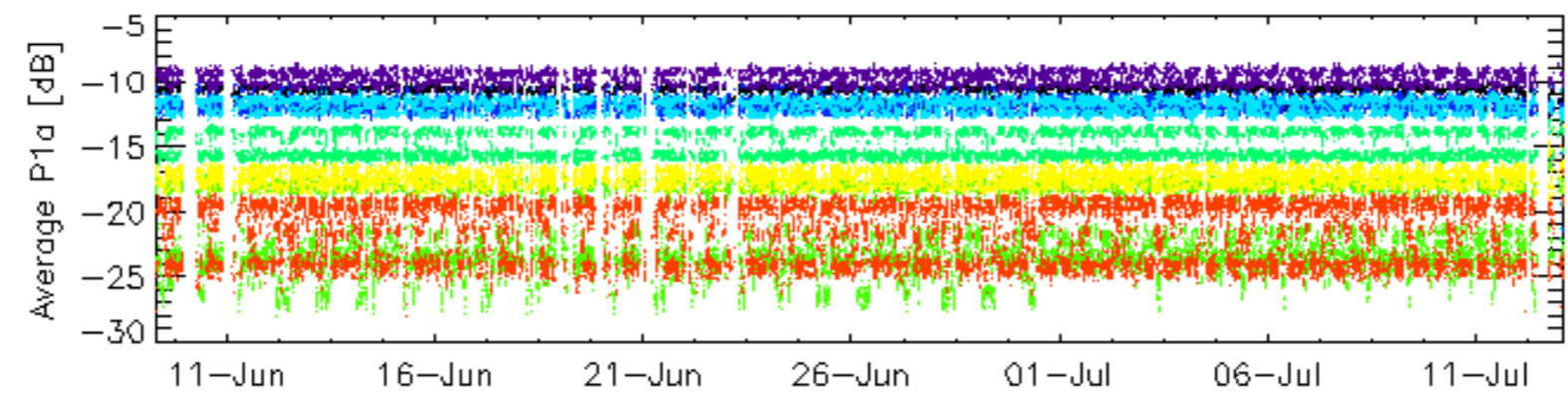
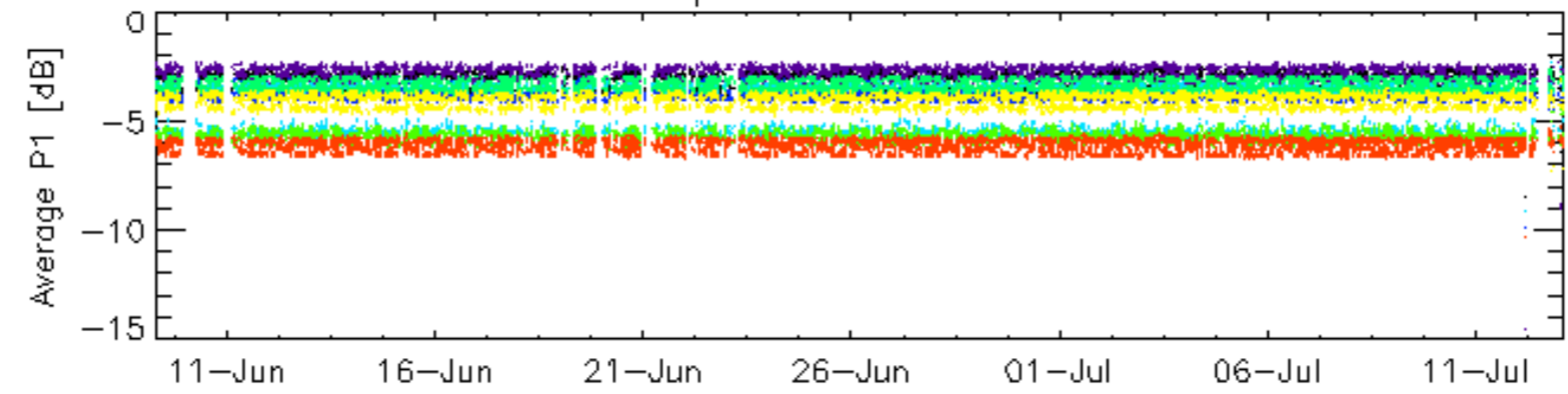
Evolution of unbiased Doppler error (Real - Expected)	
<input type="checkbox"/>	
	Acsending
<input type="checkbox"/>	
	Descending

6.5 - Absolute Doppler for GM1

Evolution of Absolute Doppler	
<input type="checkbox"/>	
	Ascending
<input type="checkbox"/>	
	Descending

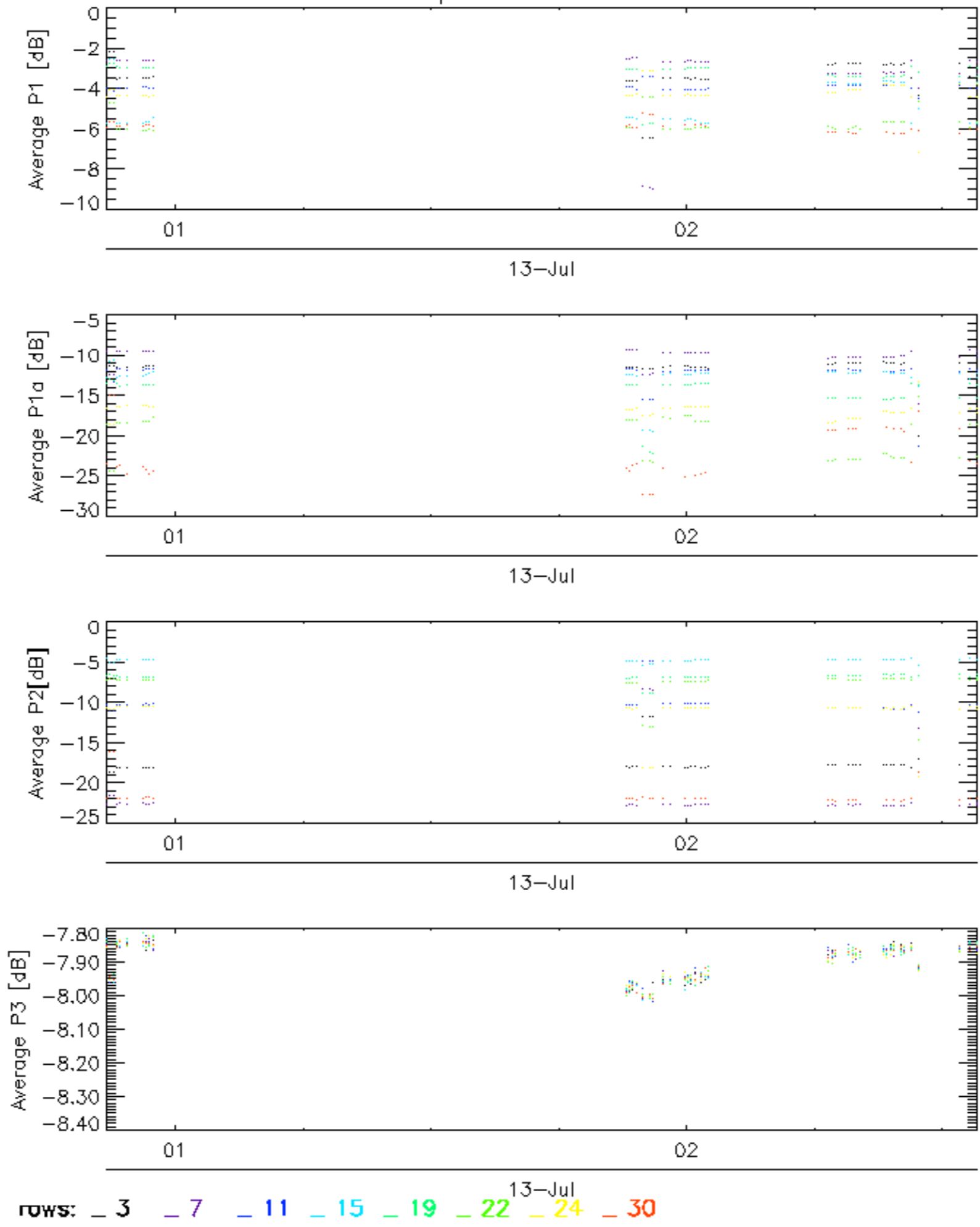
6.6 - Doppler evolution versus ANX for GM1

Cal pulses for GM1 SS3

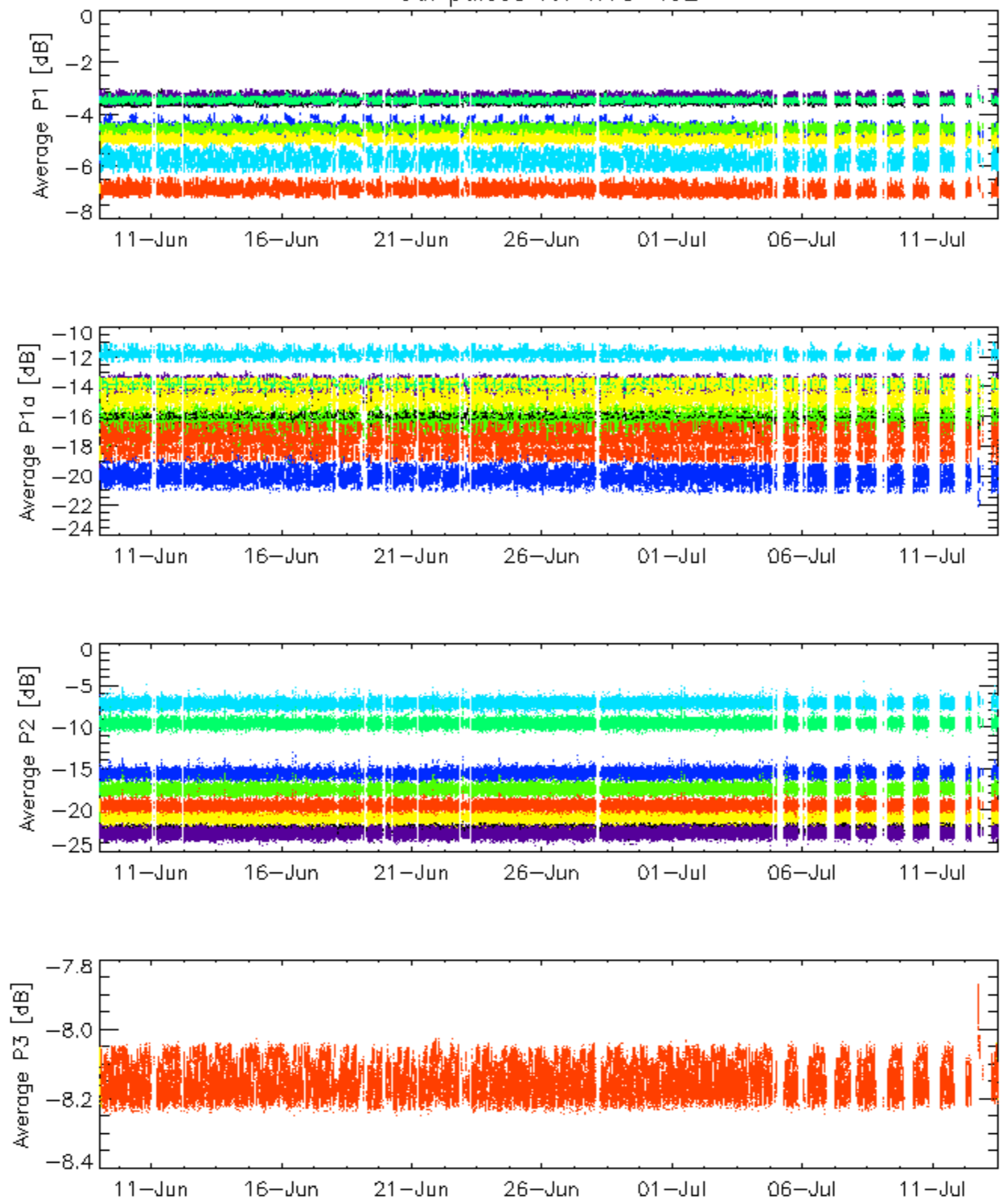


rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 24 _ 30

Cal pulses for GM1 SS3

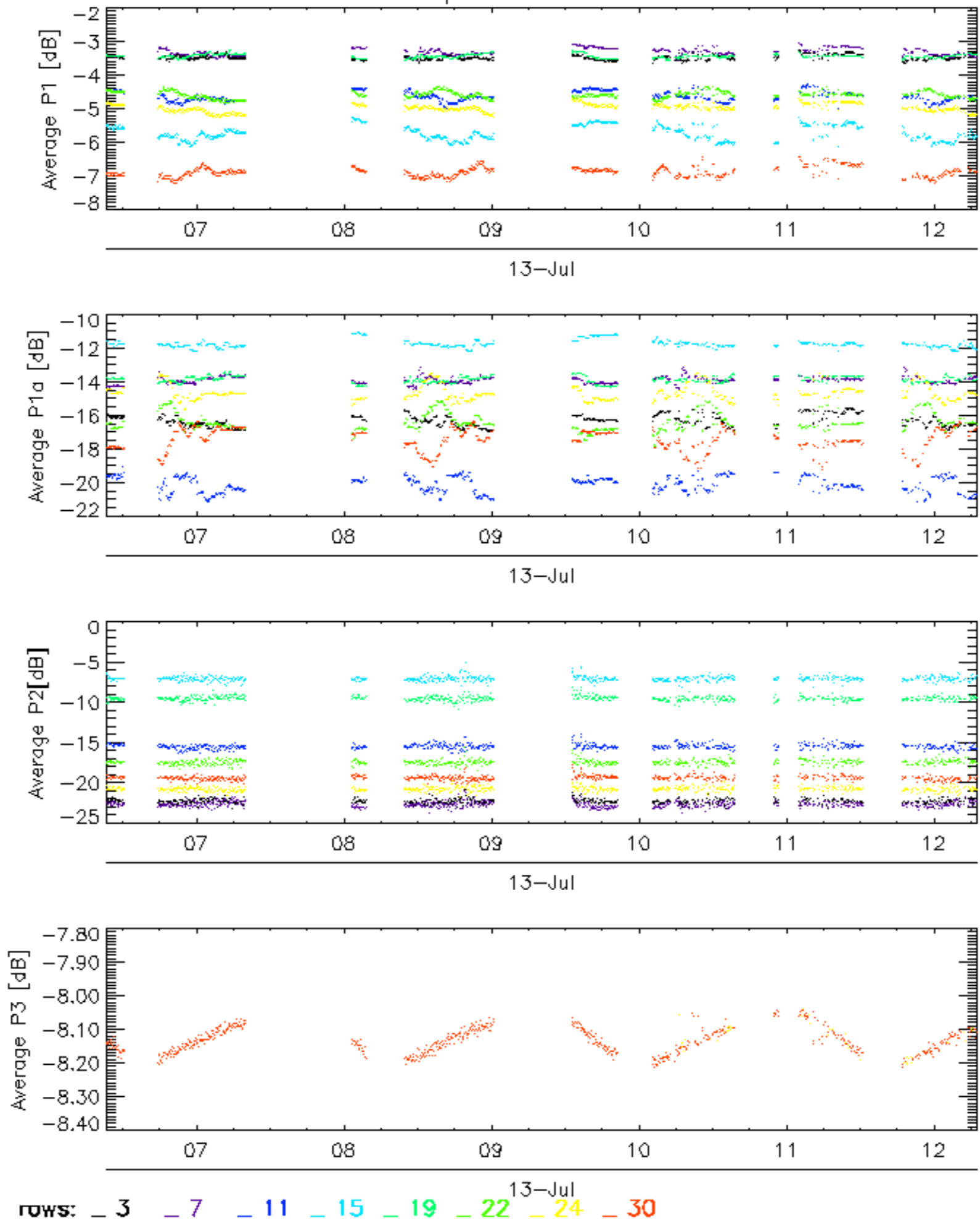


Cal pulses for WVS IS2



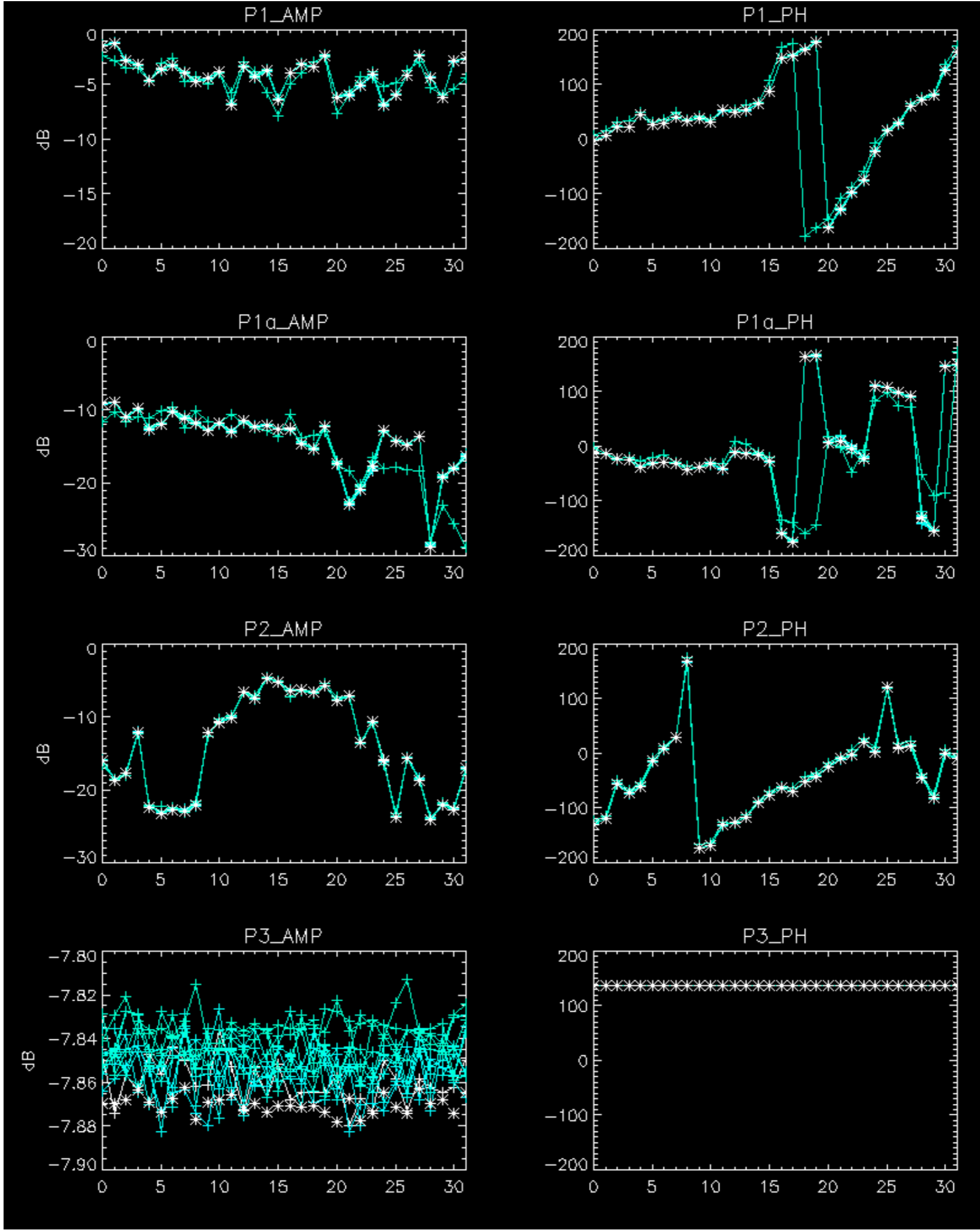
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 24 _ 30

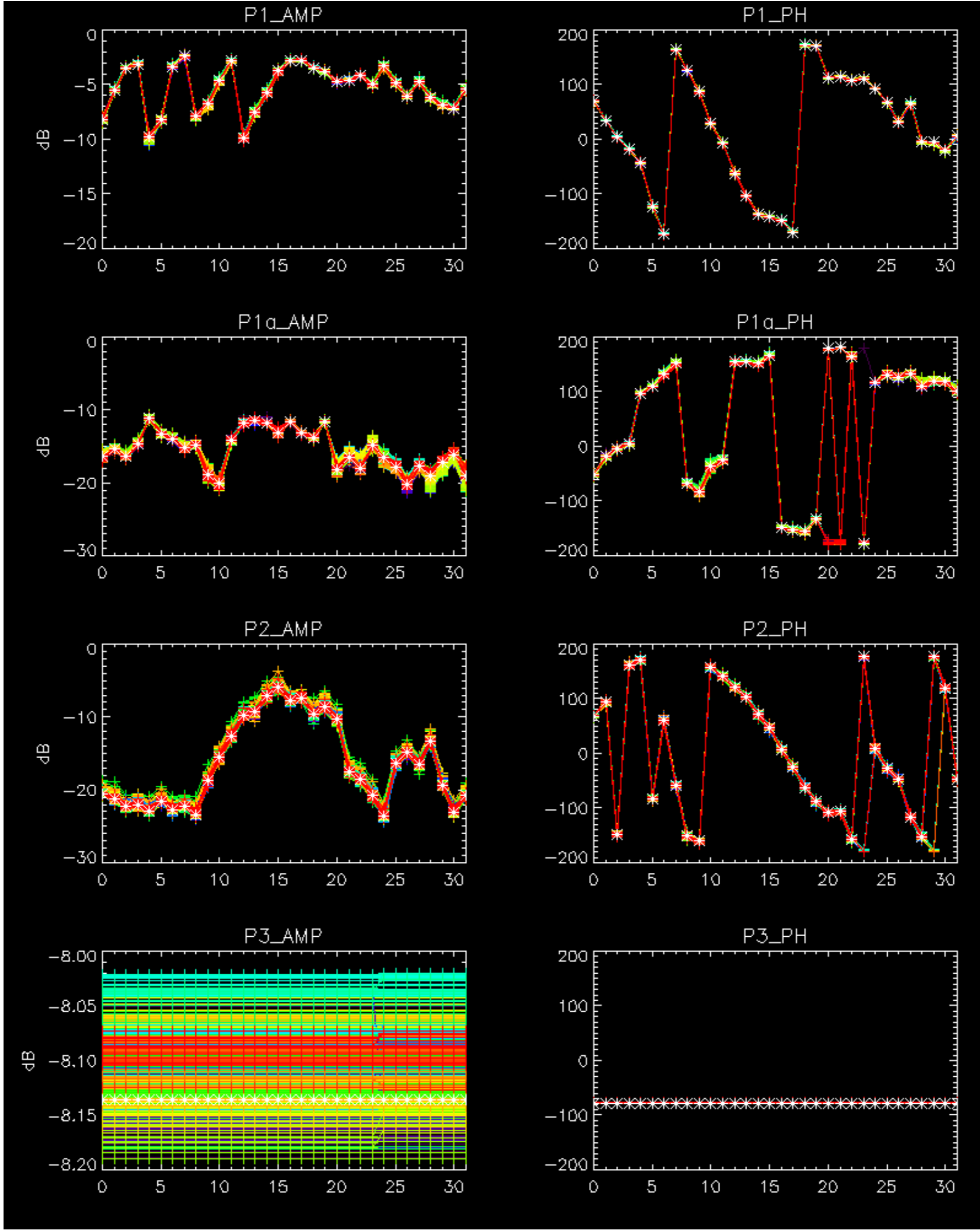
Cal pulses for WVS IS2



No anomalies observed on available browse products

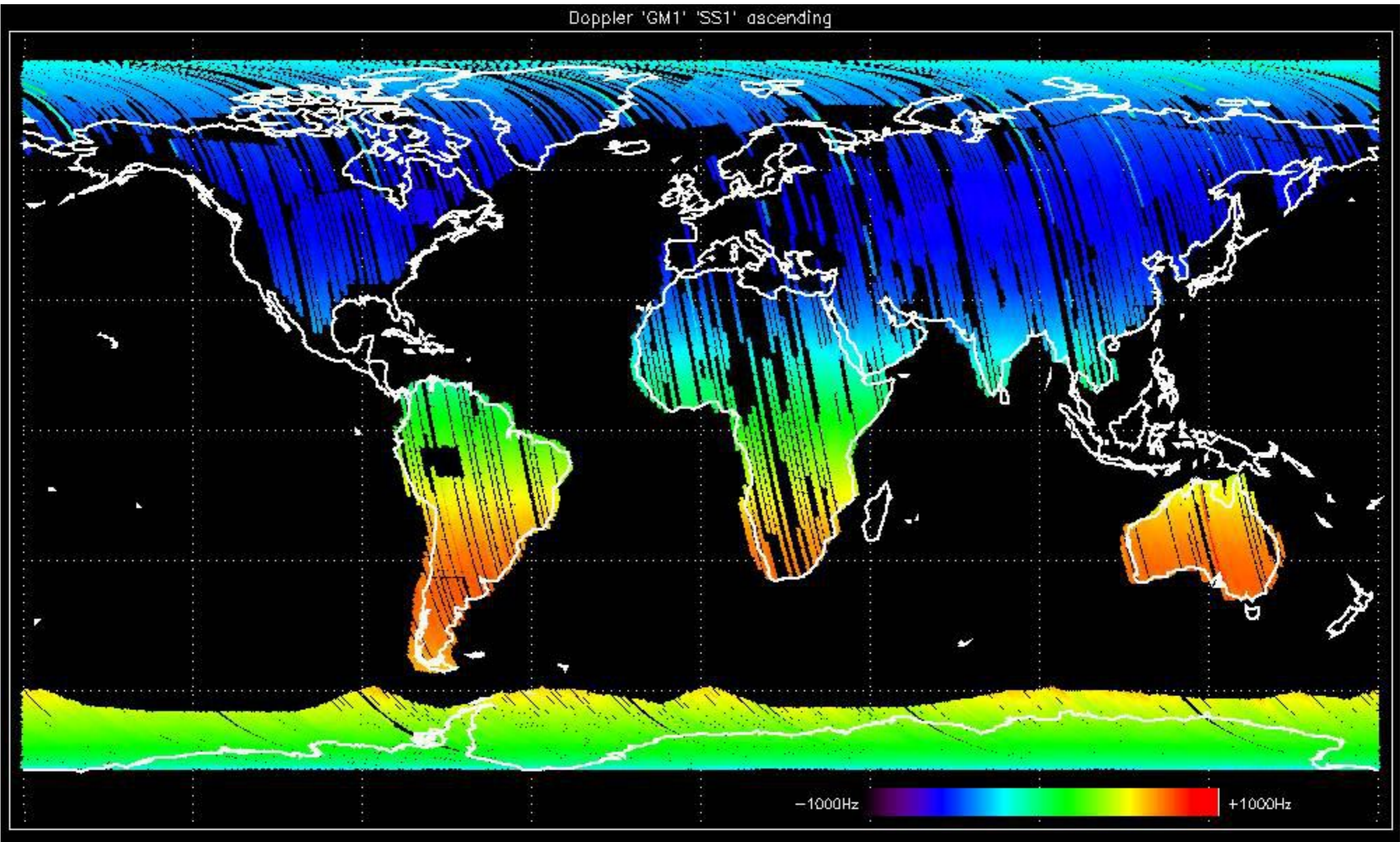
Analysis not performed due to system maintenance.



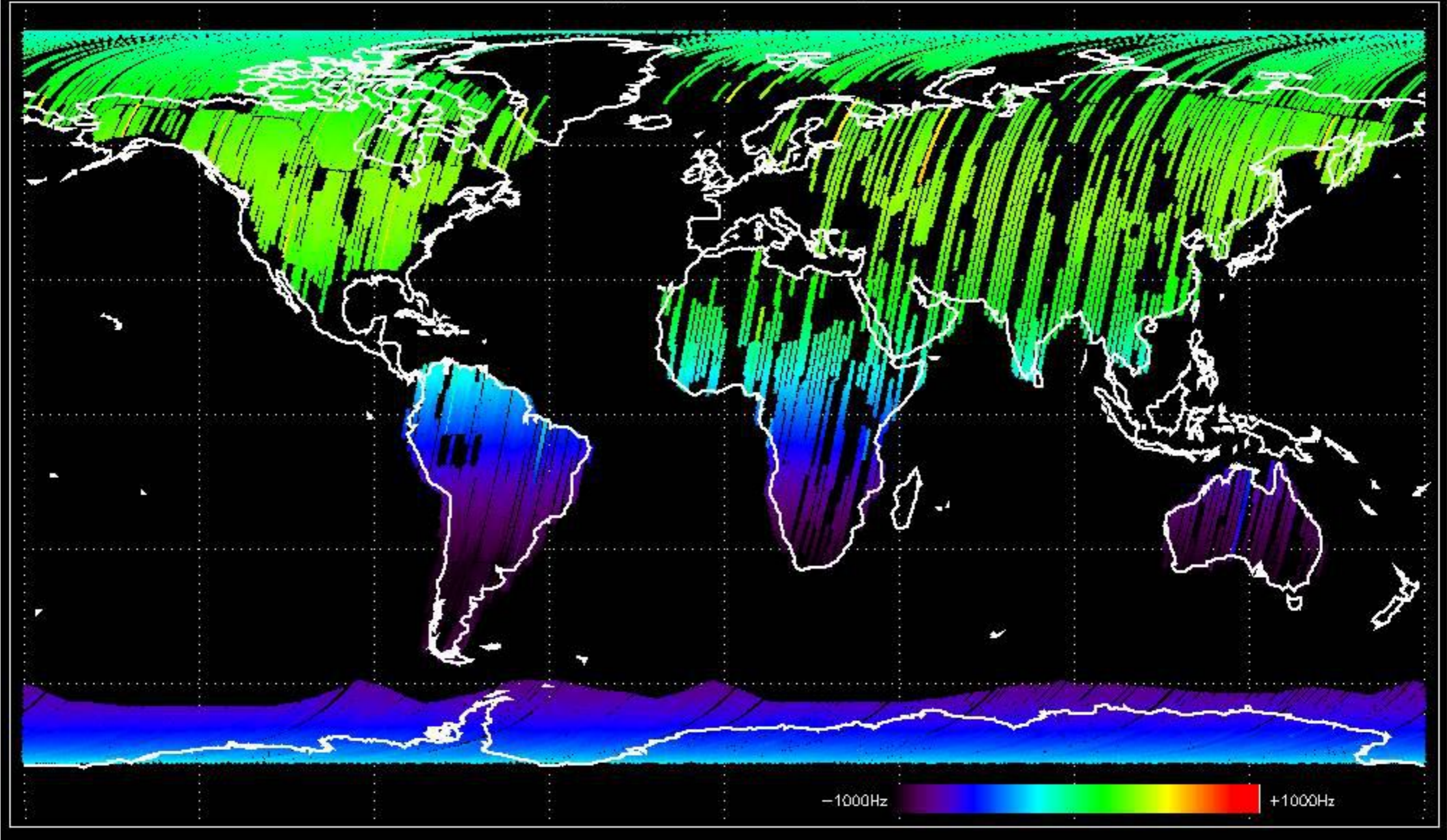


Analysis not performed due to system maintenance.

Doppler 'GM1' 'SS1' ascending

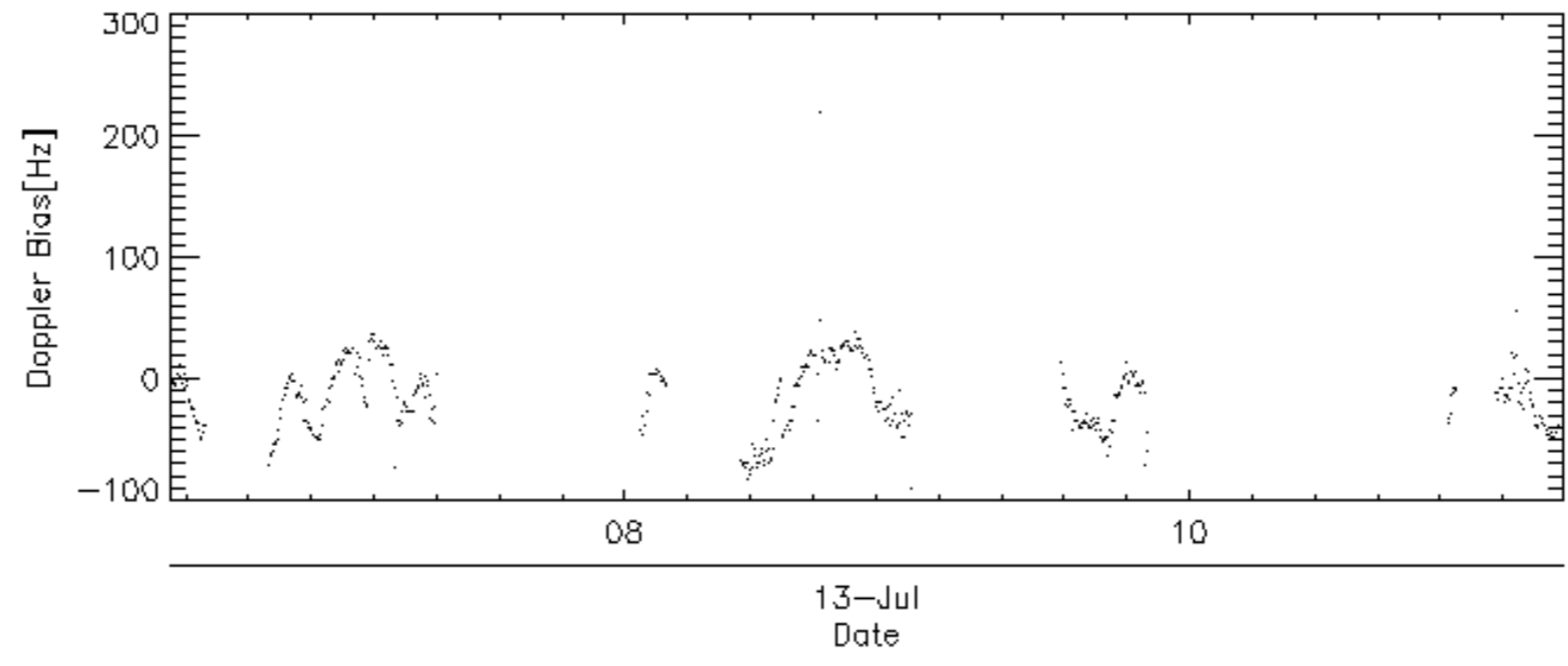
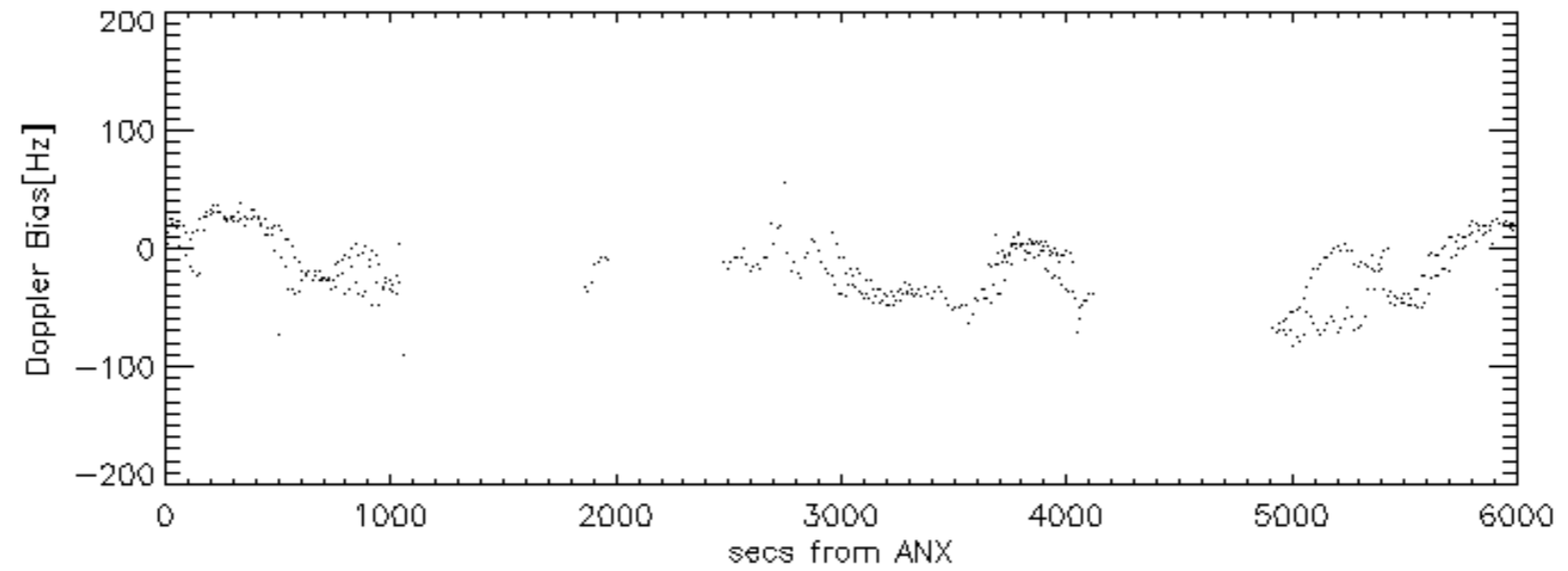
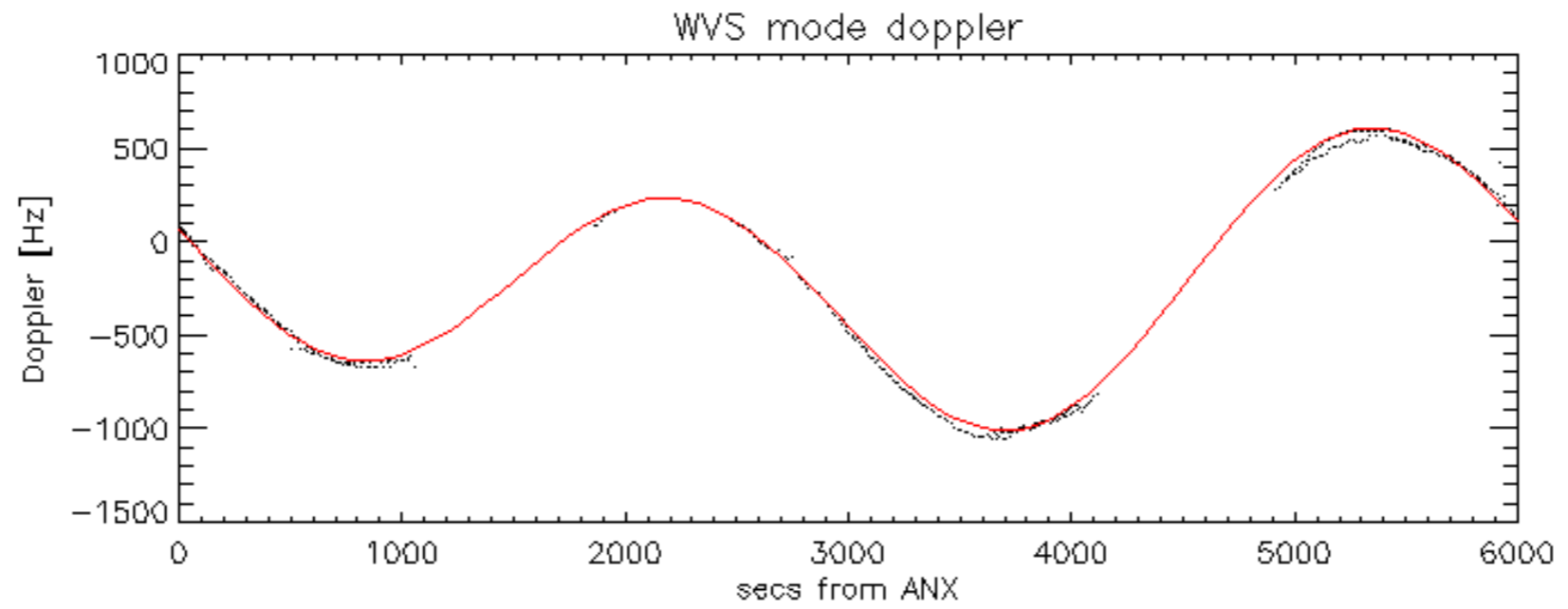


Doppler 'GM1' 'SS1' descending

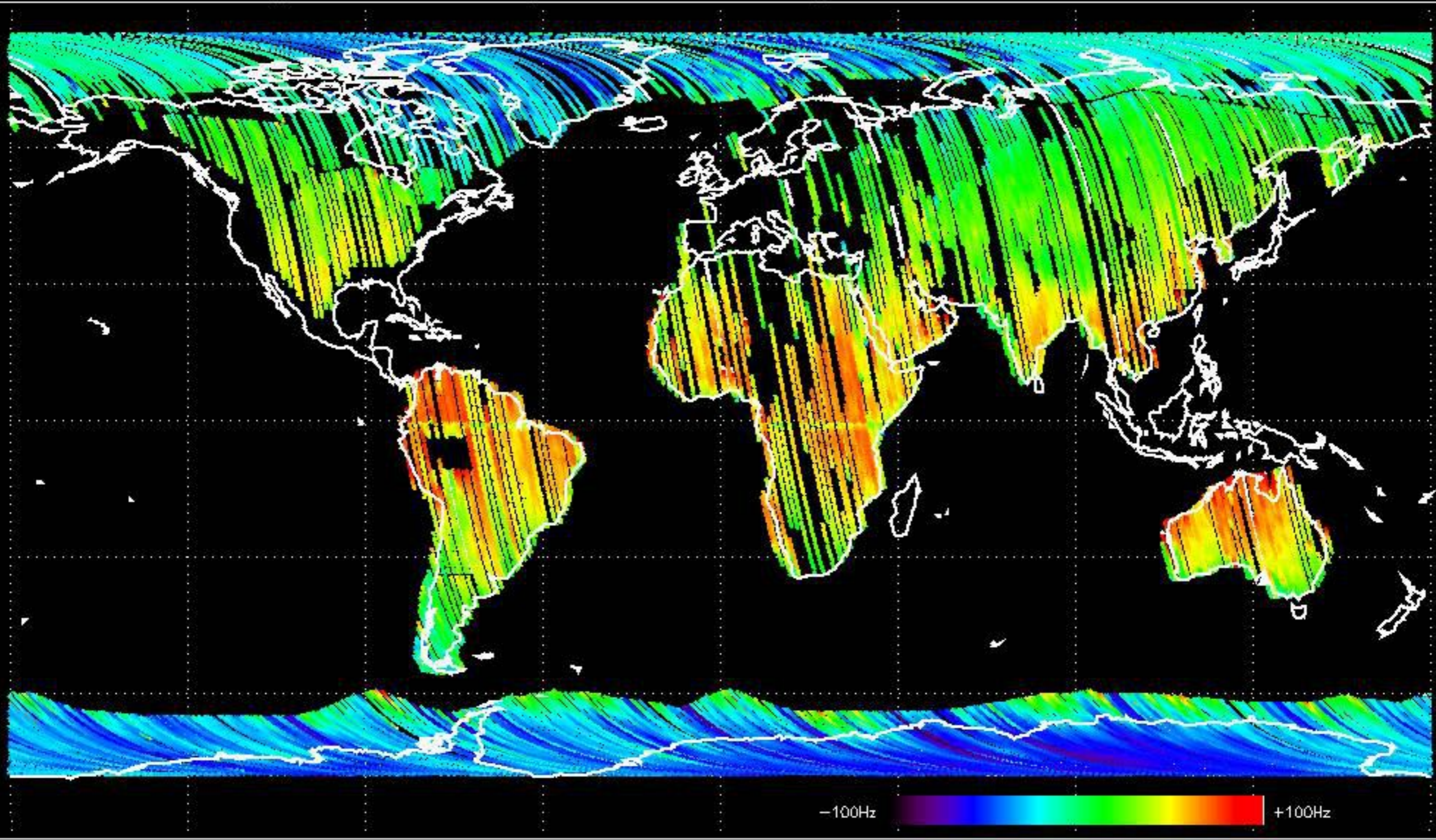




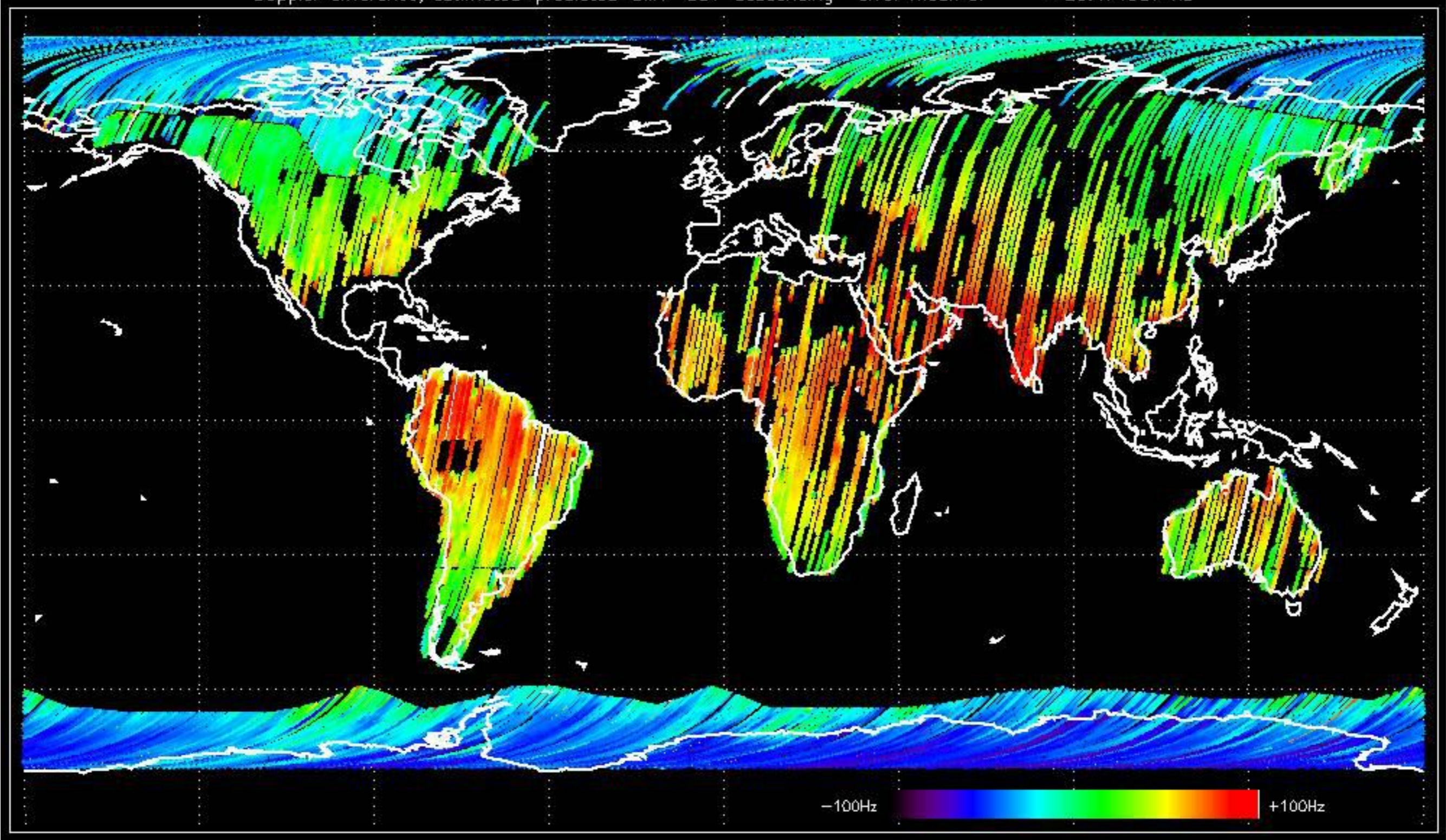


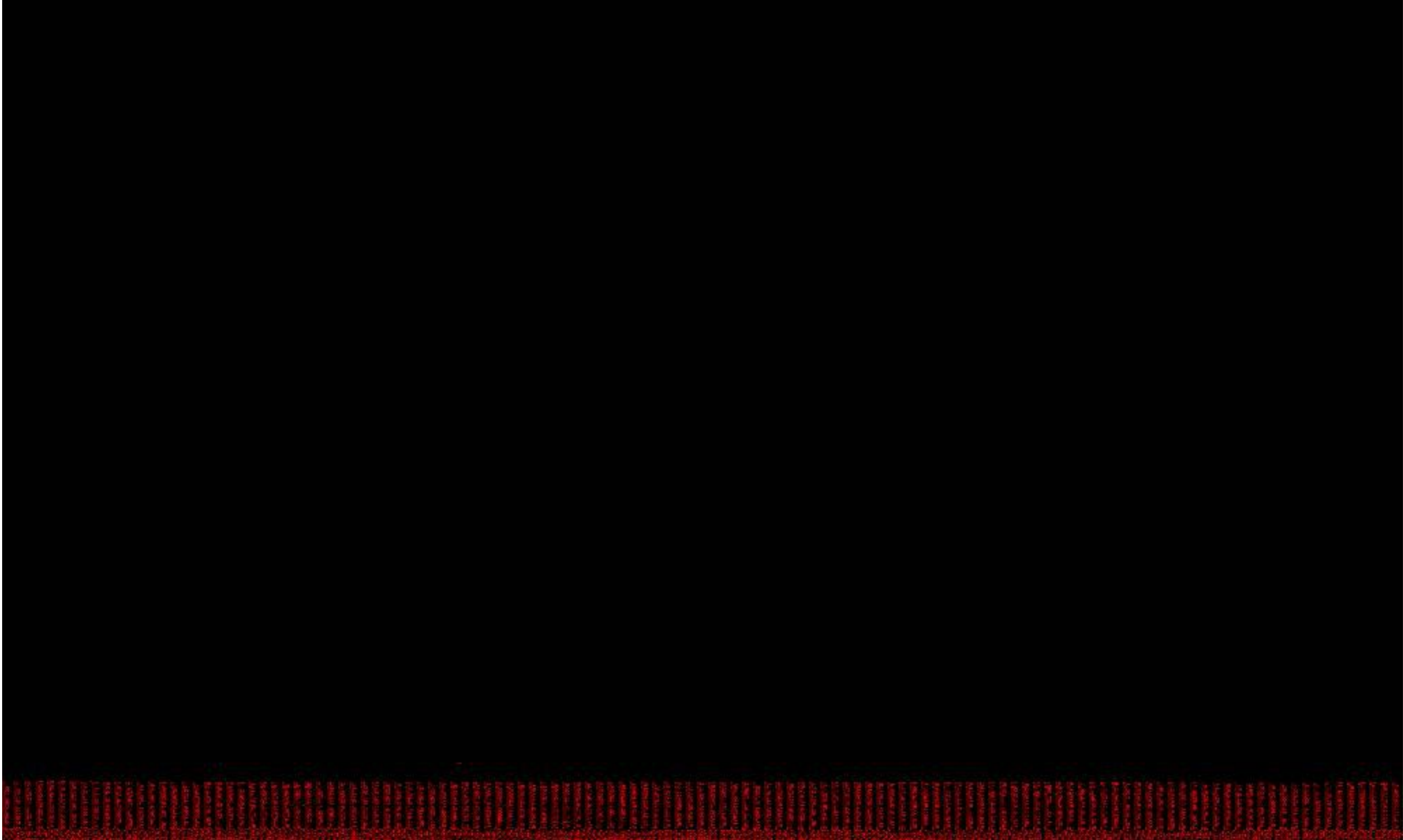


Doppler difference, estimated-predicted 'GM1' 'SS1' ascending -error mean of -27.447083 Hz

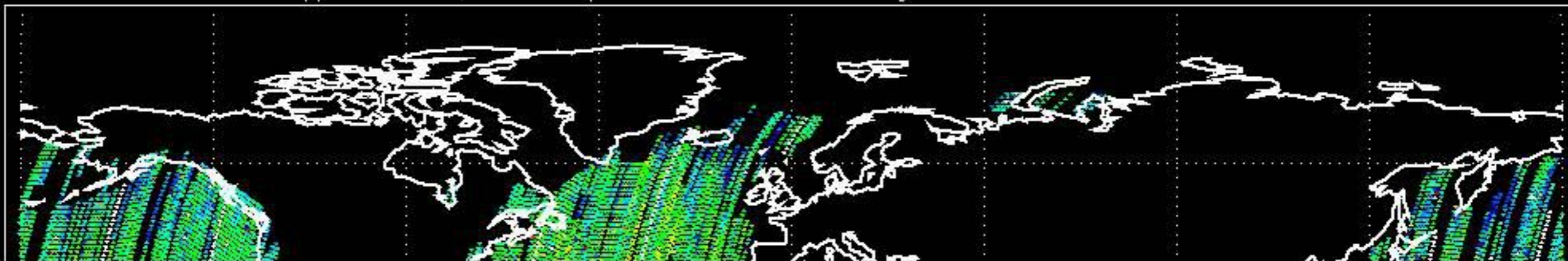


Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -20.471937 Hz





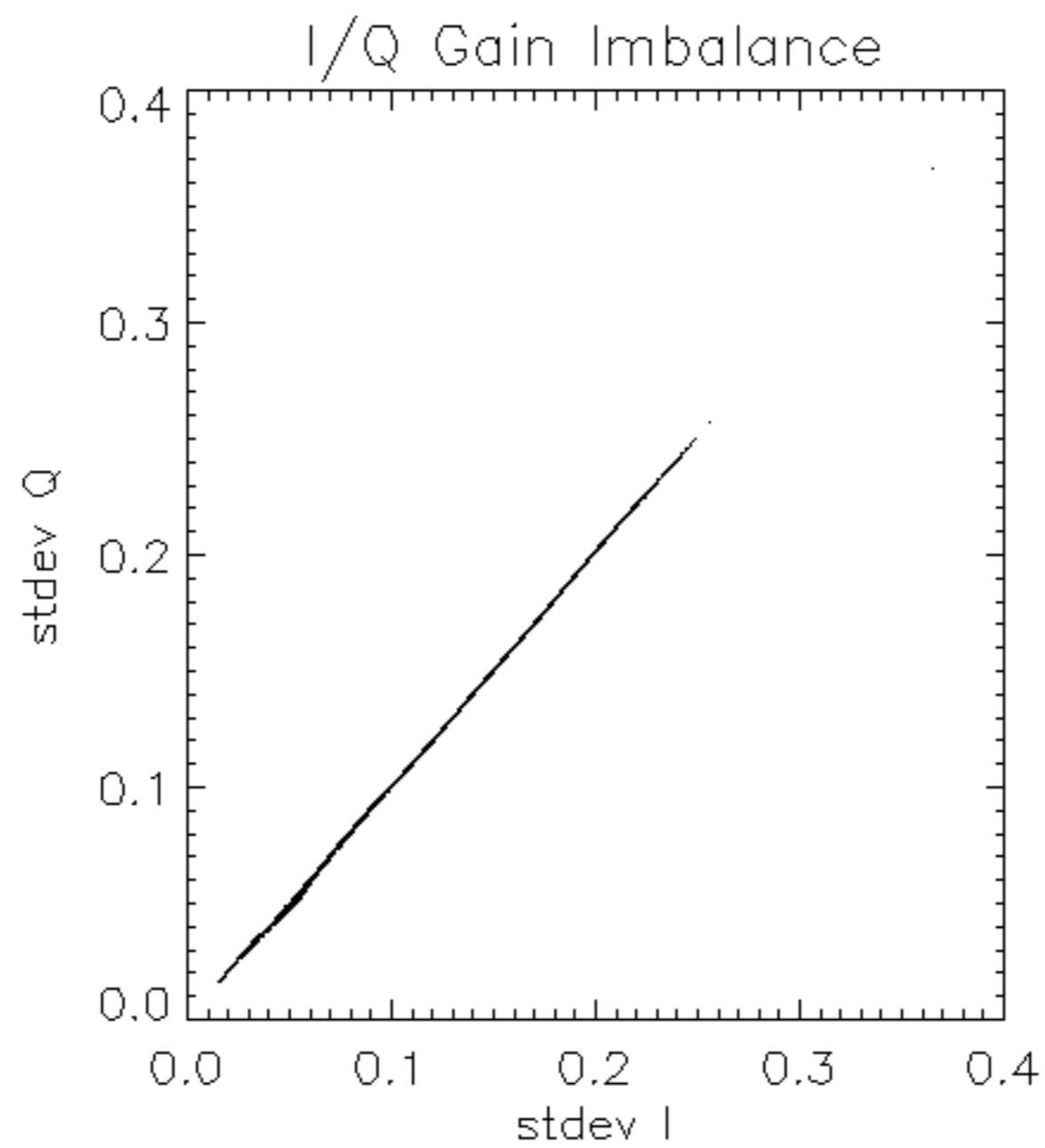
Doppler difference, estimated-predicted 'WVS' 'IS2' descending -error mean of -23.205422 Hz

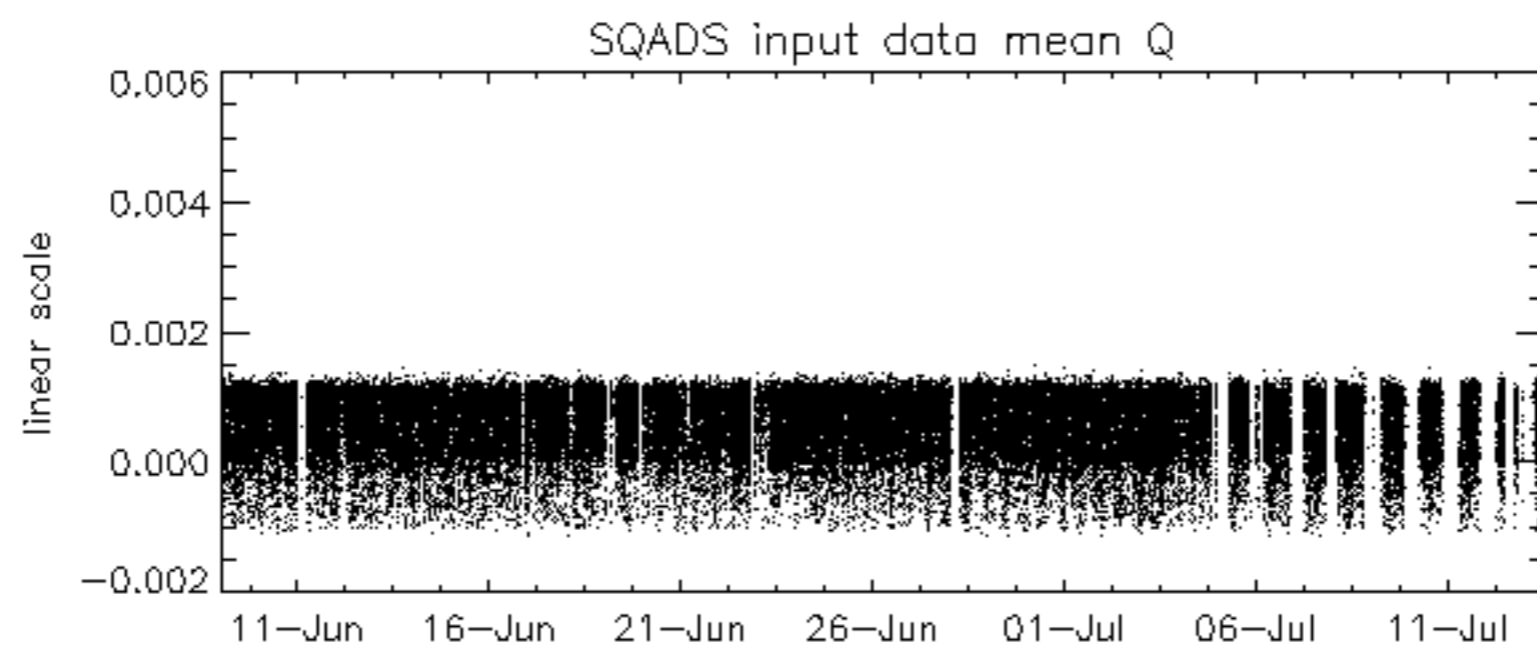
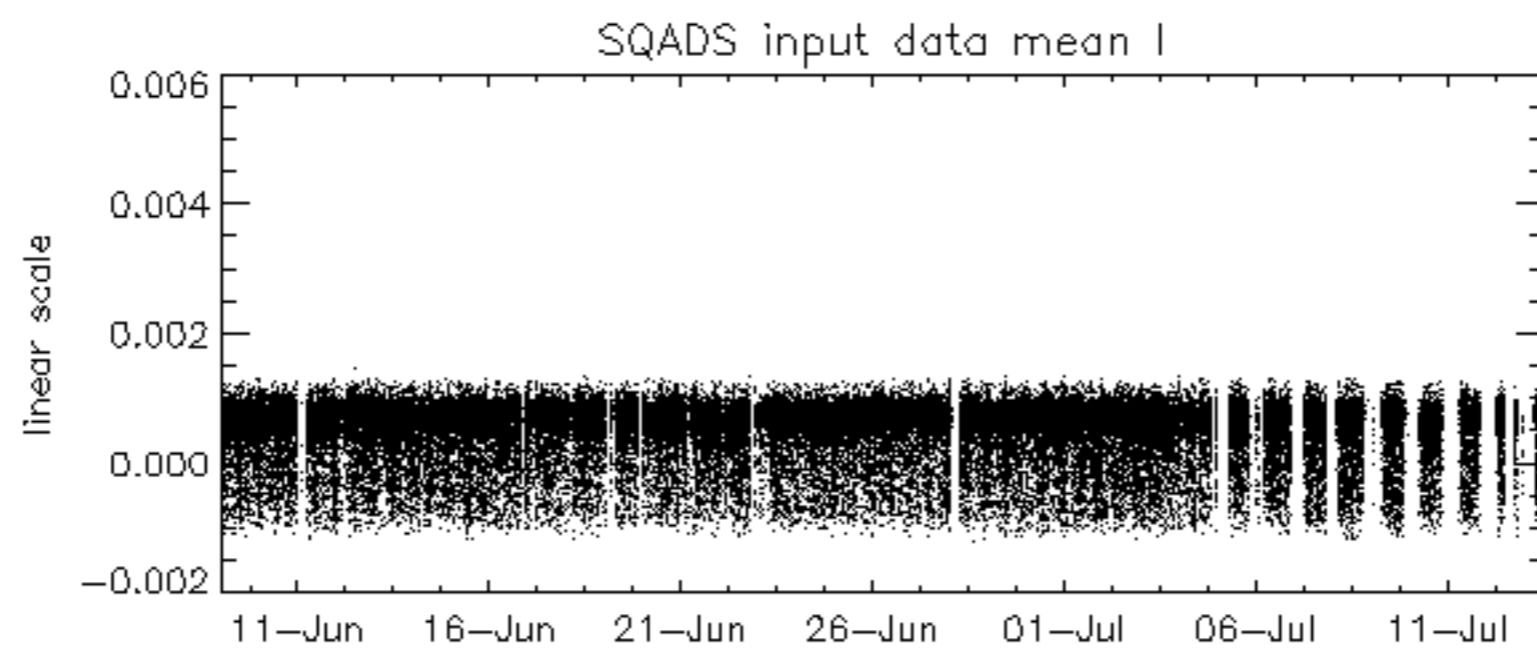
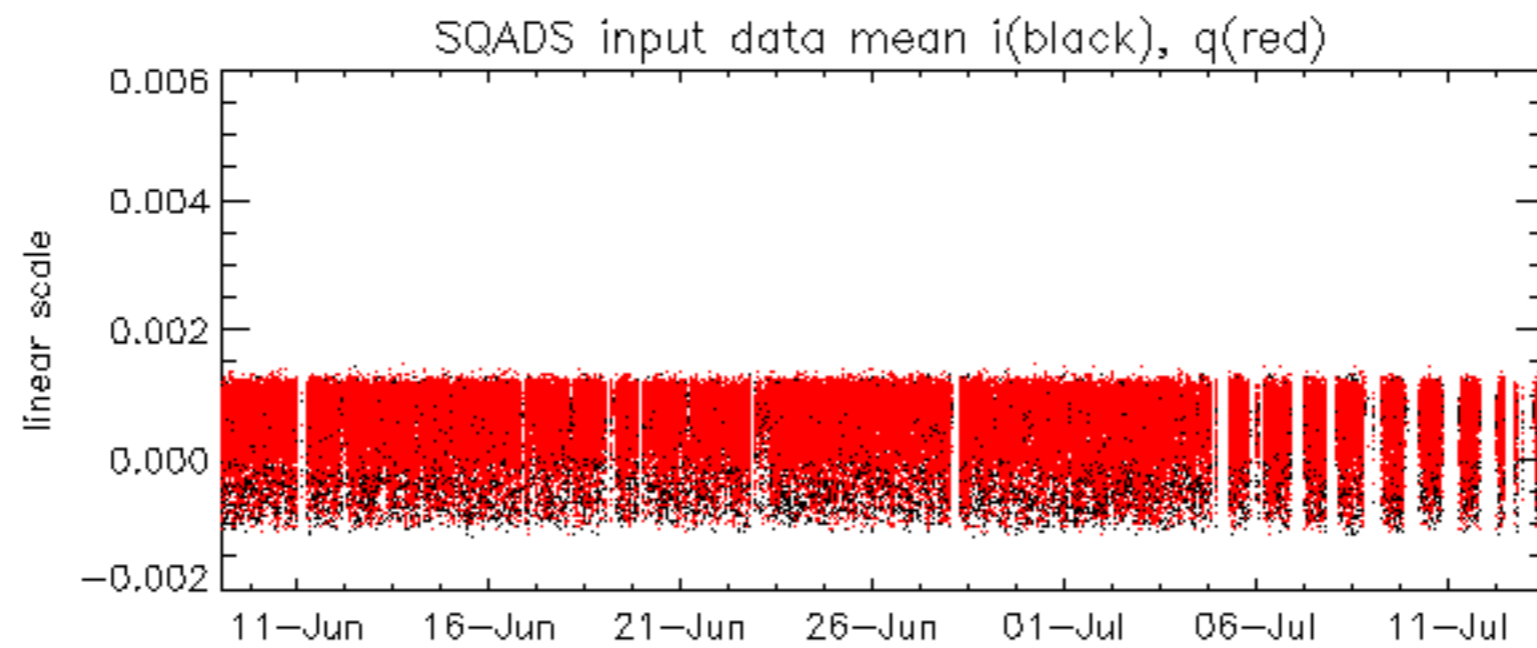


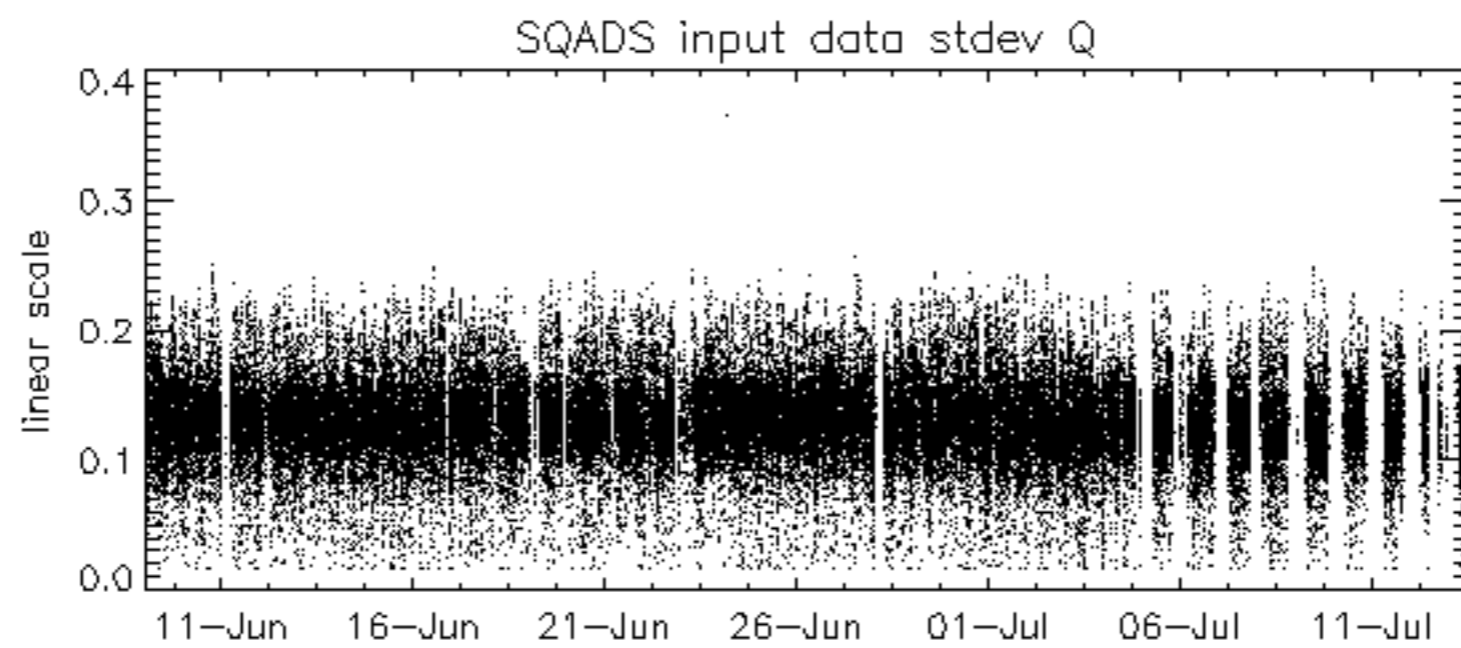
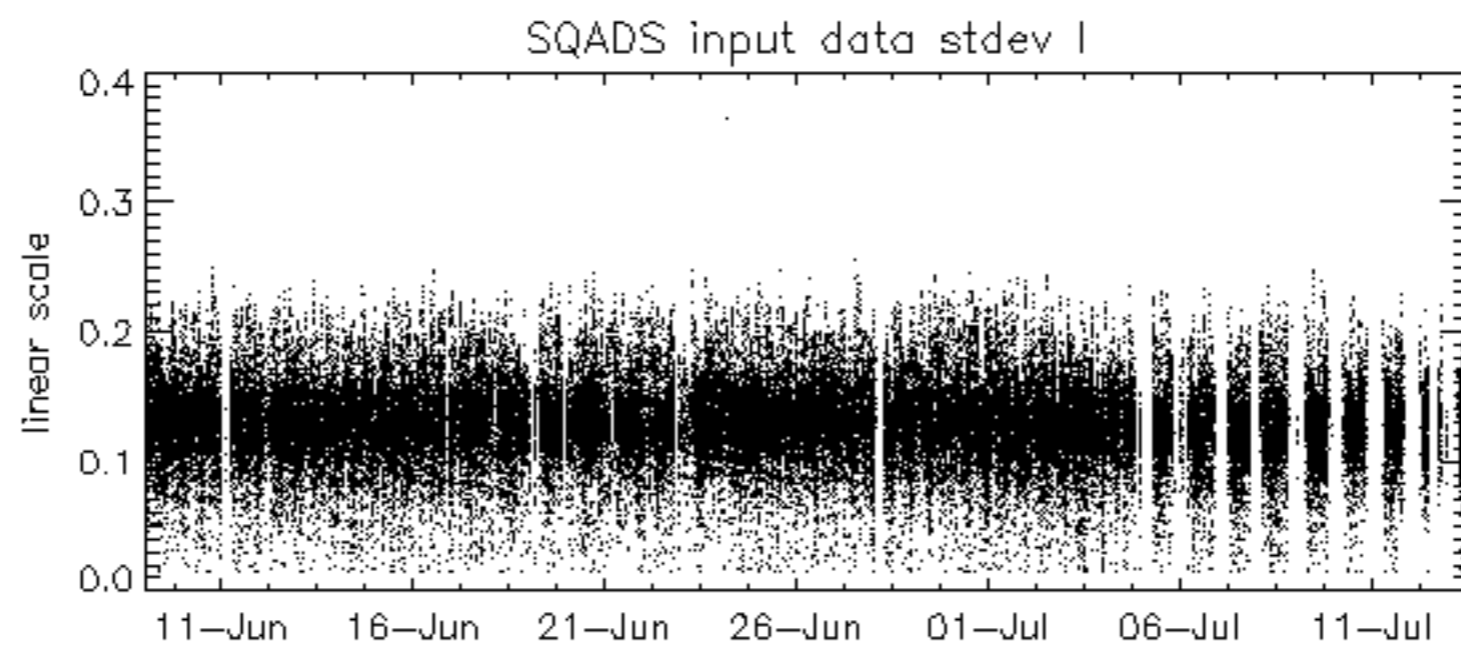
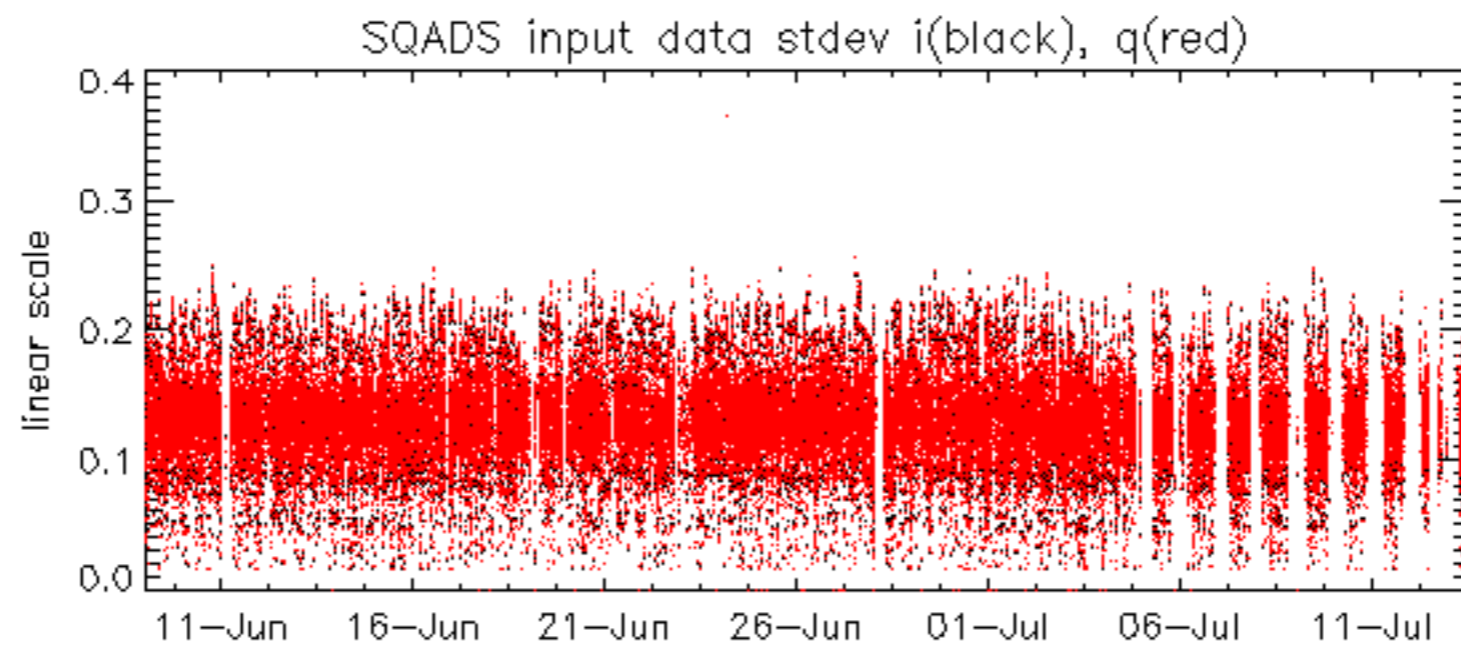
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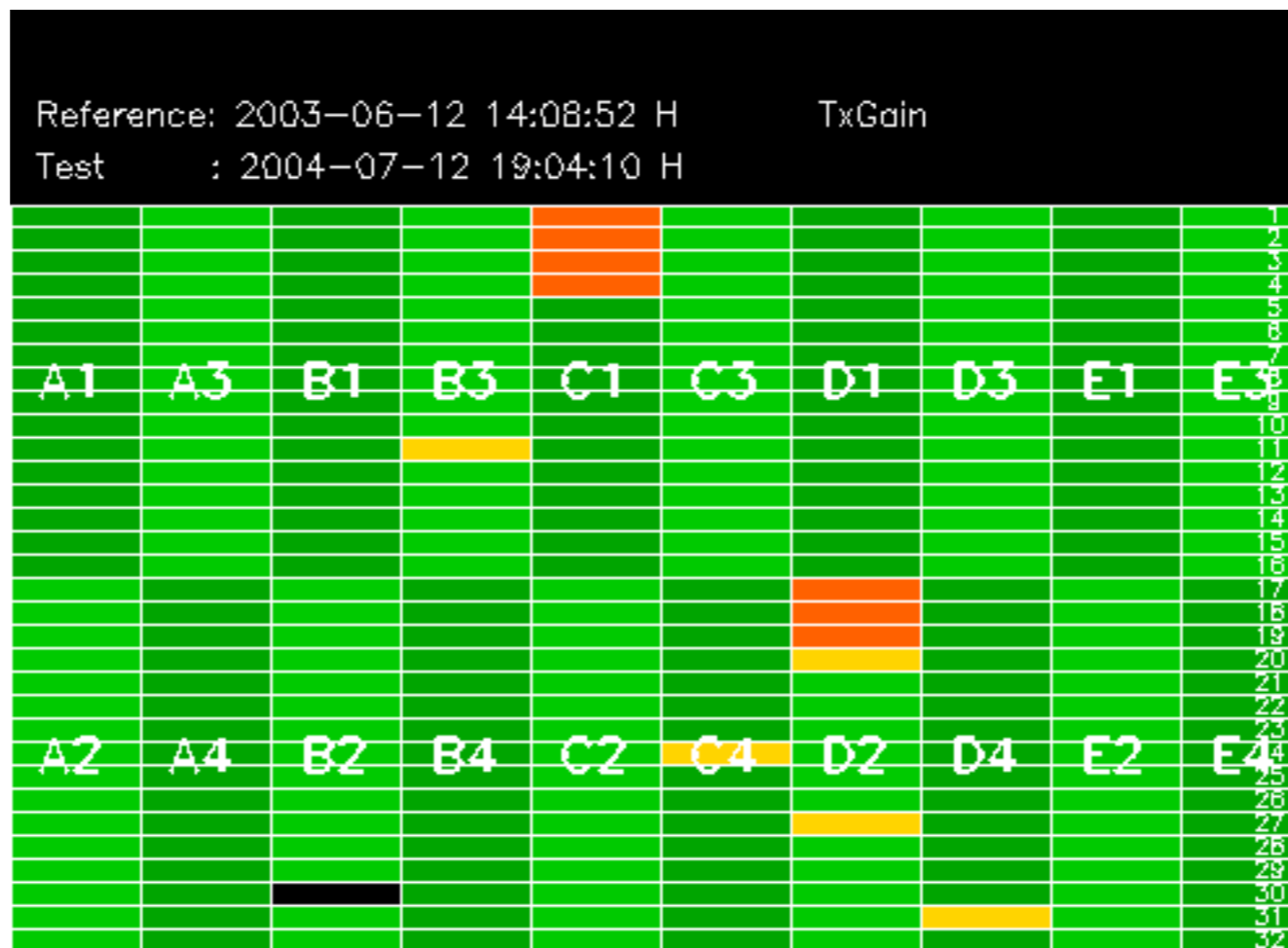
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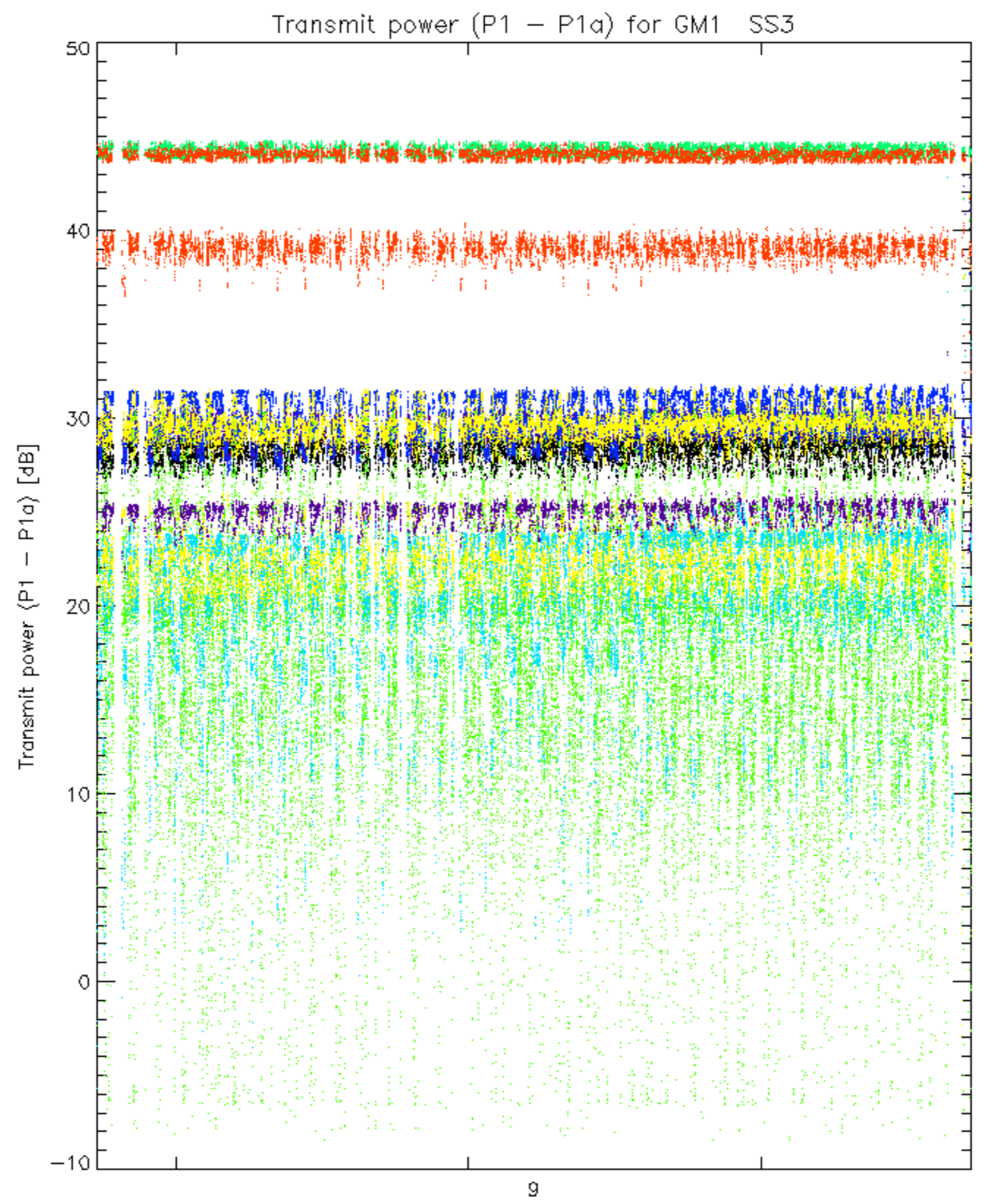
Analysis not performed due to system maintenance.



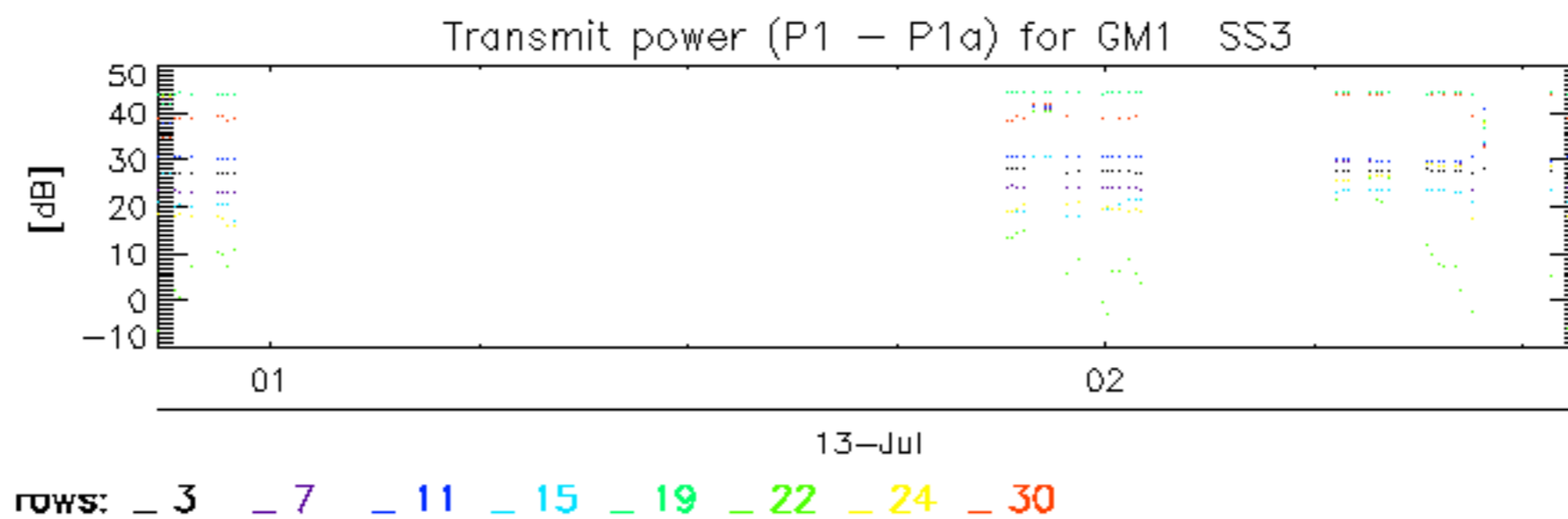


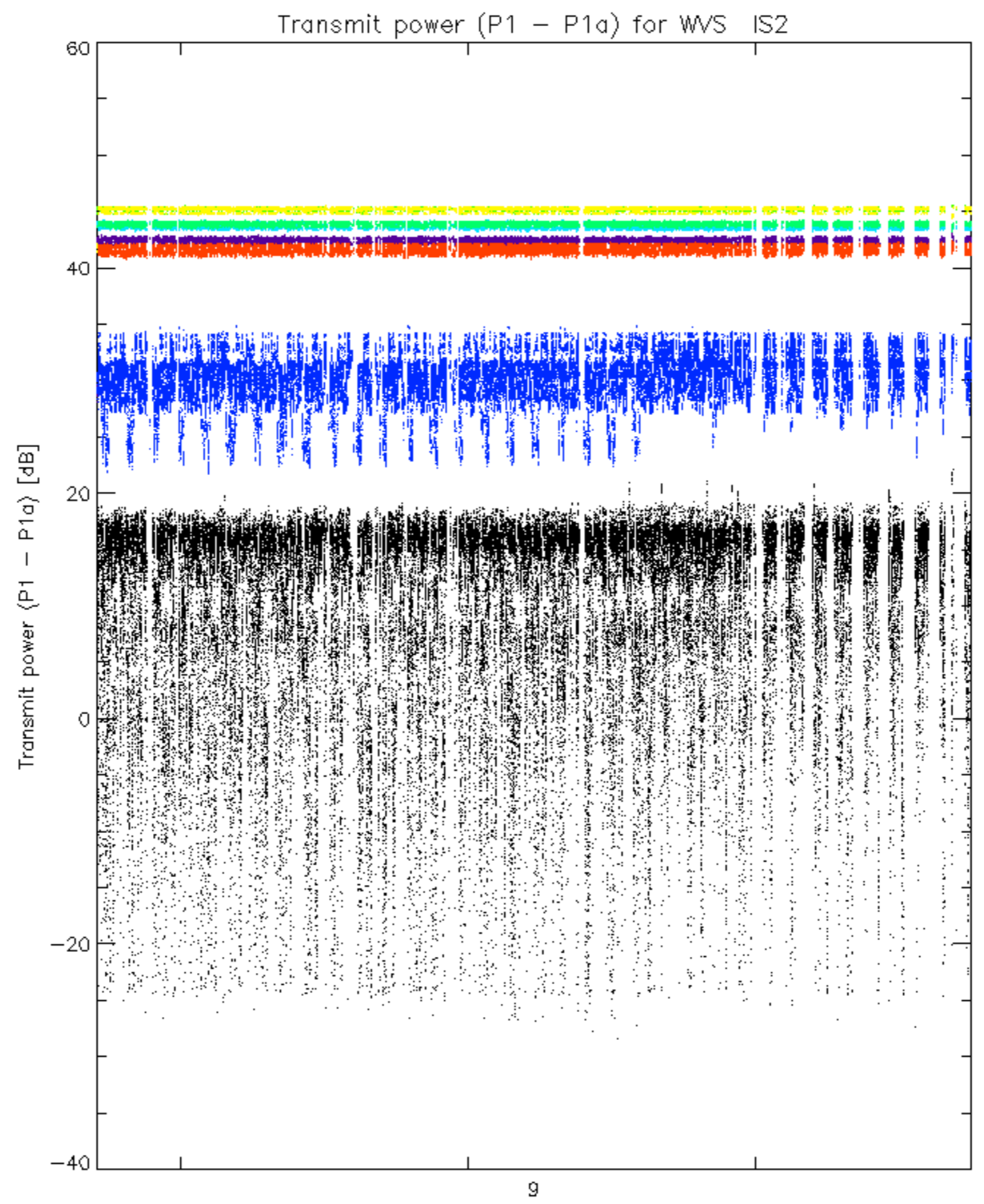




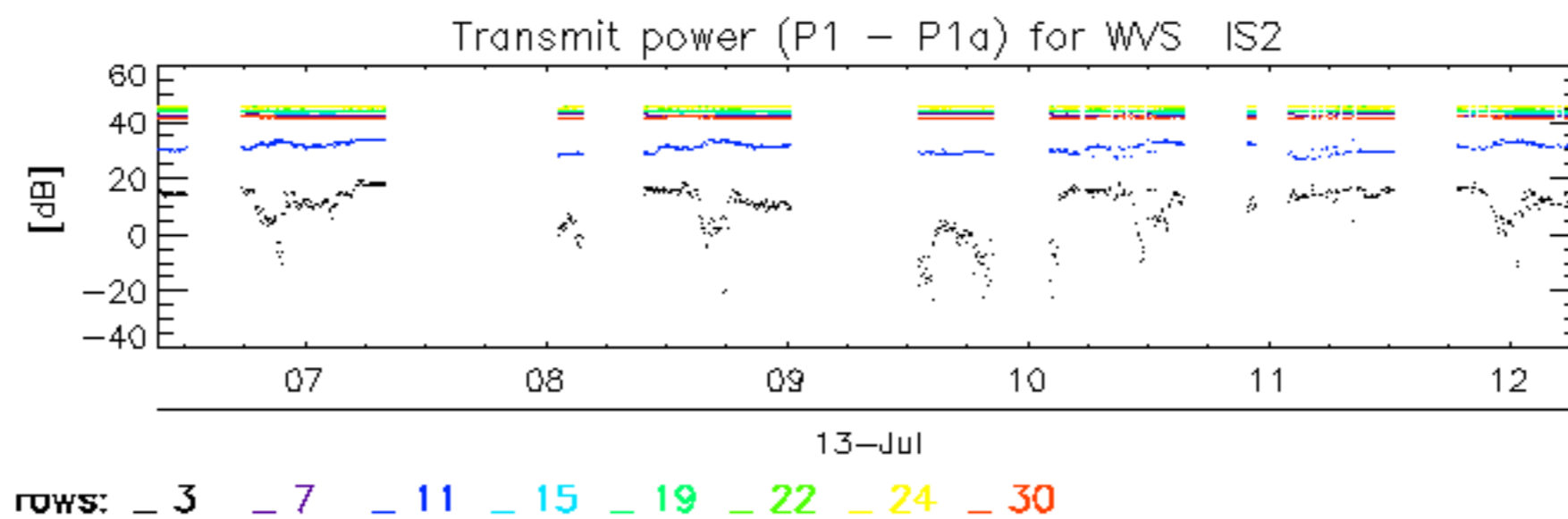


rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 24 _ 30





rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 24 _ 30



No unavailabilities during the reported period.