PRELIMINARY REPORT OF 040716

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

last update on Fri Jul 16 13:02:03 GMT 2004

- 1. Introduction
- 2. Summary
 - Instrument Unavailability
 - Browse Visual Inspection
 - Module Stepping Results
 - Data Analysis
- 3. Module Stepping
- 4. Internal Calibration pulses
 - Daily statistics
 - <u>Cyclic statistics</u>
 - 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
 - Unbiased Doppler Error for WVS
 - Absolute Doppler for WVS
 - Doppler evolution versus ANX for WVS
 - Unbiased Doppler Error for GM1
 - Absolute Doppler for GM1
 - Doppler evolution versus ANX for GM1

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 detected from browse visual inspection.



2.3 - Data Analysis

Analysis not performed due to system maintenance activities.

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 malfunctionning modules and to identify modules for which calibration offsets are to be applied. Analysis not performed due to system maintenance activities.

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)
	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

4.2.2 - Evolution for GM1

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



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 activities

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I		0.000497416
	stdev	2.10941e-07
MEAN Q	mean	0.000546093
	stdev	2.38986e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B	
STDEV I	mean	0.129704	



	stdev	0.00103503
SIDEV(0)	mean	0.129955
	stdev	0.00104700

5.3 - Gain imbalance I/Q

6 - Doppler Analysis

Preliminary report. The data is not yet controled

6.1 - Unbiased Doppler Error for WVS

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

6.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler						
\boxtimes						
Acsending						
\boxtimes						
Descending						

6.3 - Doppler evolution versus ANX for WVS

6.4 - Unbiased Doppler Error for GM1

Evo	Evolution of unbiased Doppler error (Real - Expected)						
\ge							
	Acsending						



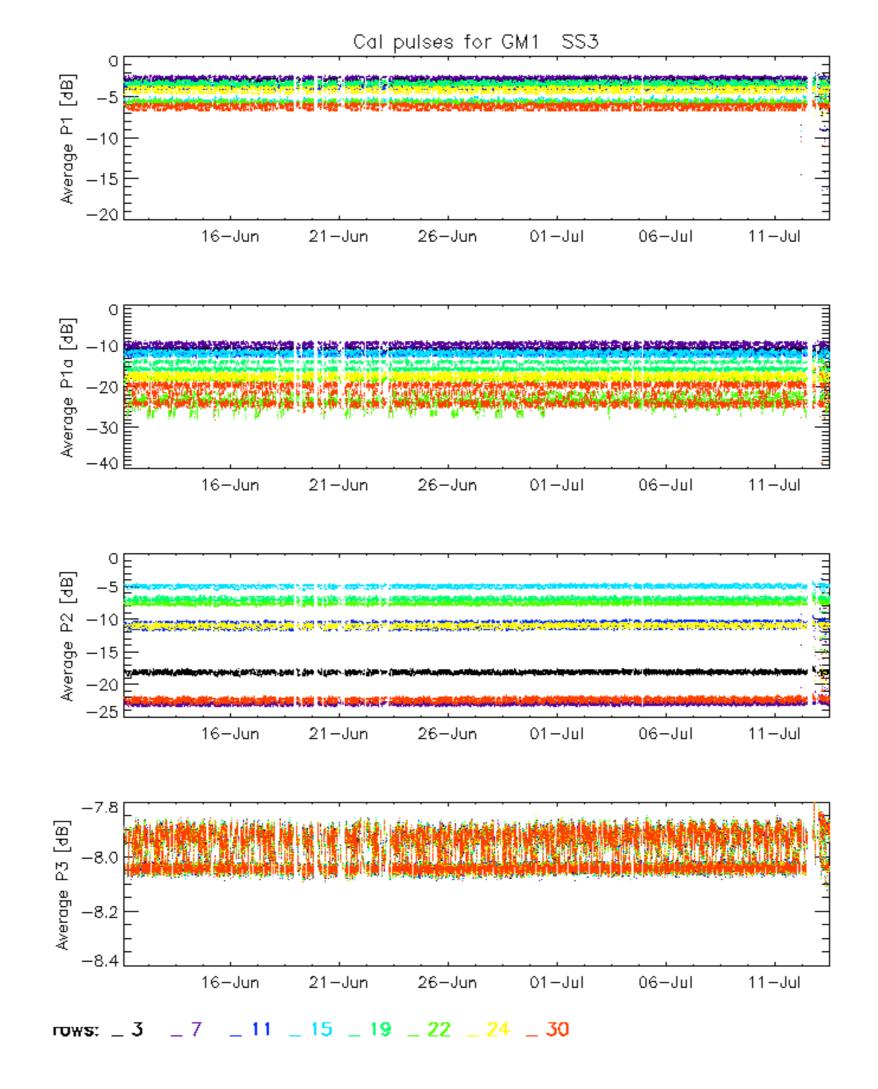
\square		
	Descending	

6.5 - Absolute Doppler for GM1

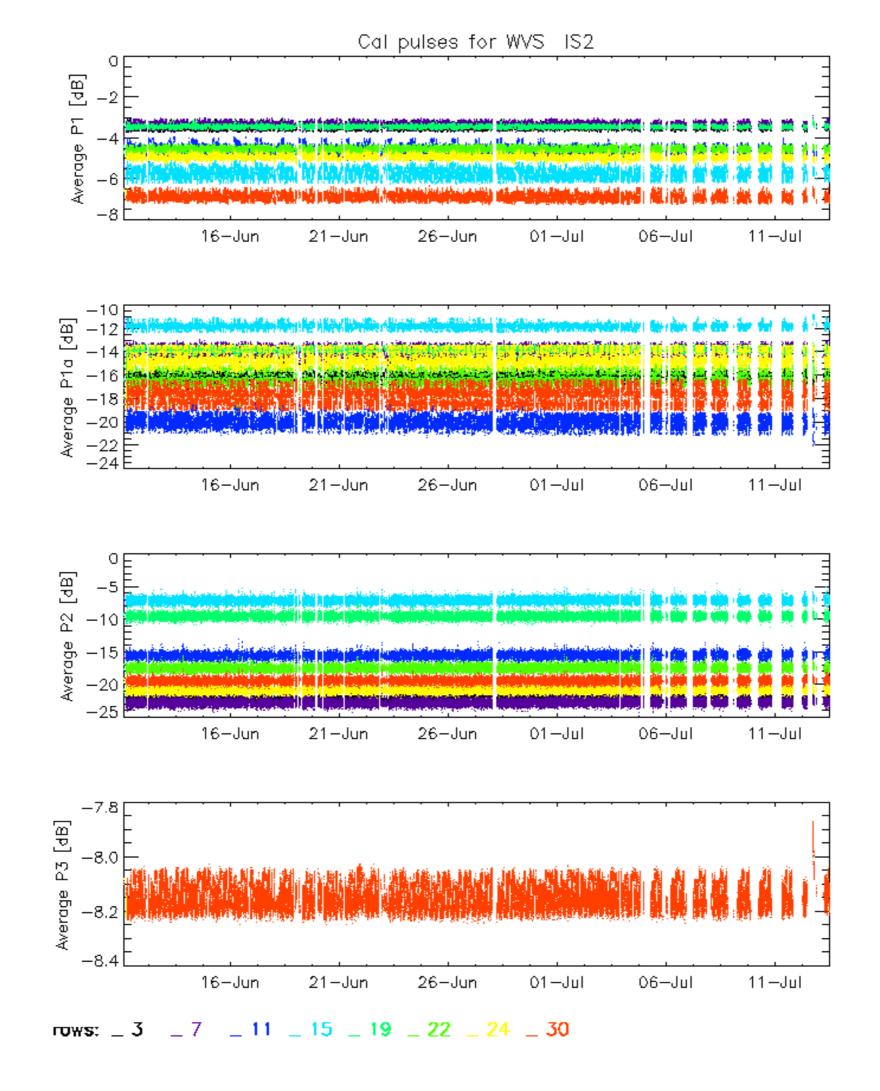
Evolution of Absolute Doppler						
\boxtimes						
Acsending						
\boxtimes						
Descending						

6.6 - Doppler evolution versus ANX for GM1











No anomalies detected from browse visual inspection.



No anomalies observed.

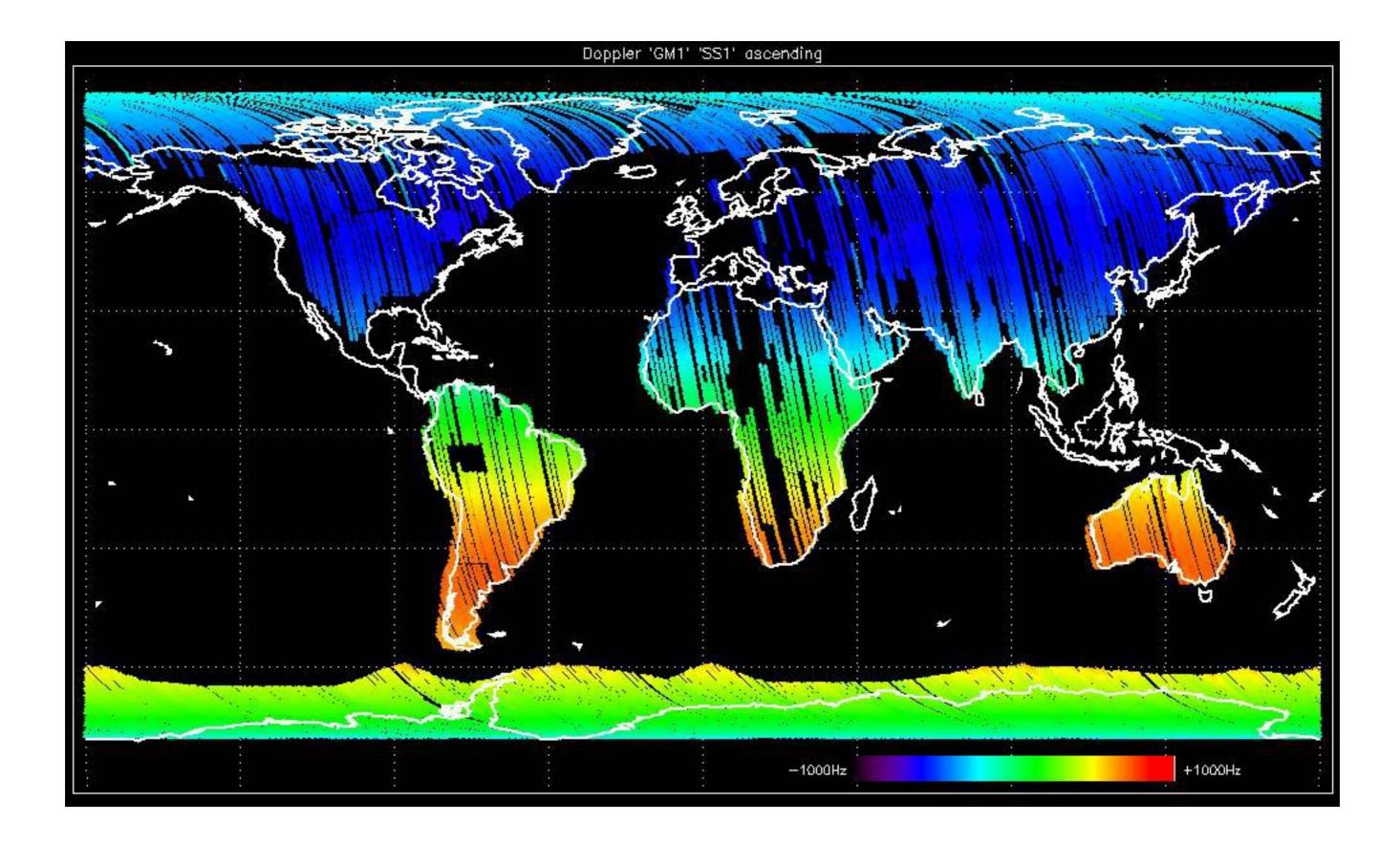


Analysis not performed due to system maintenance activities.

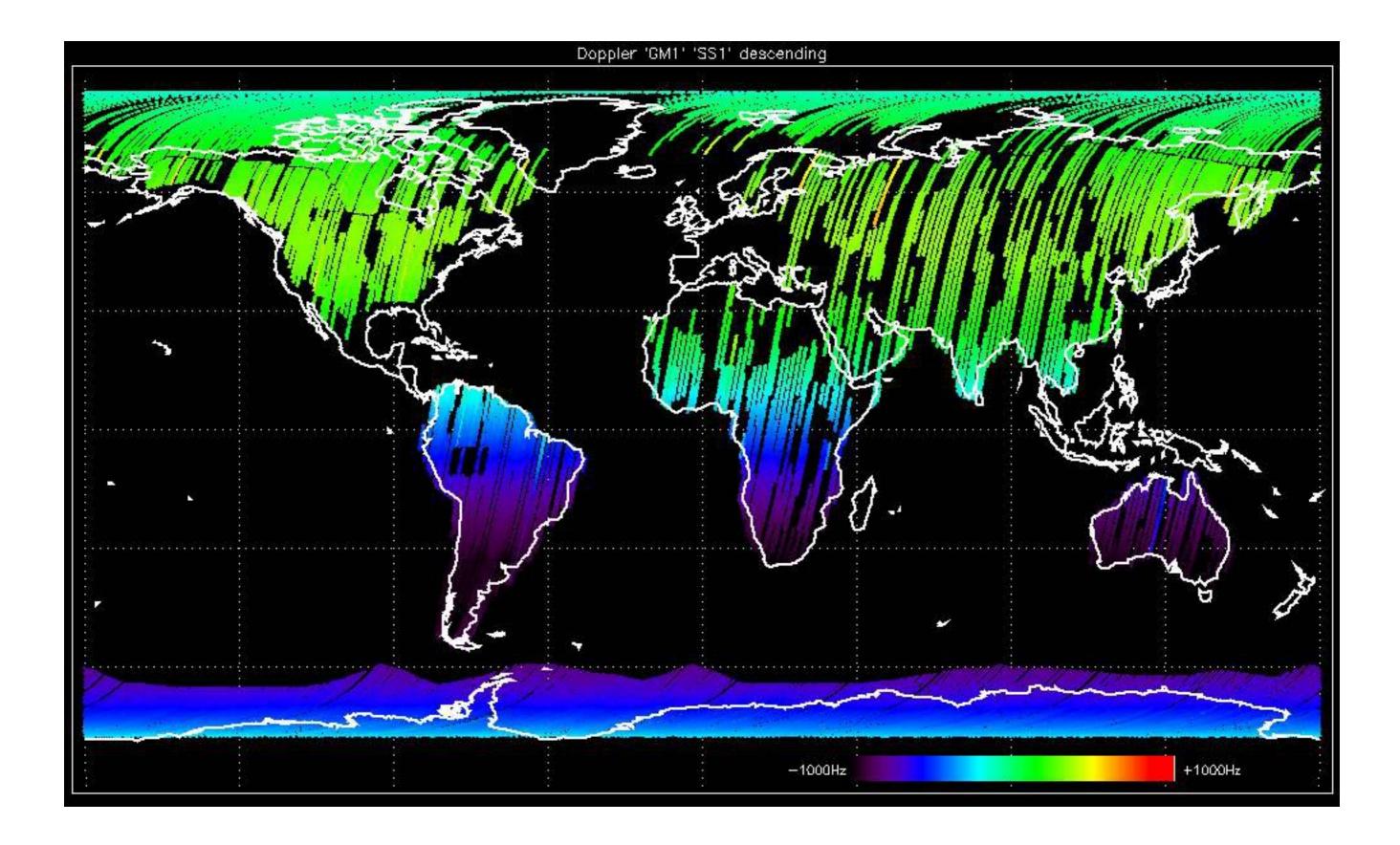


Preliminary report. The data is not yet controled

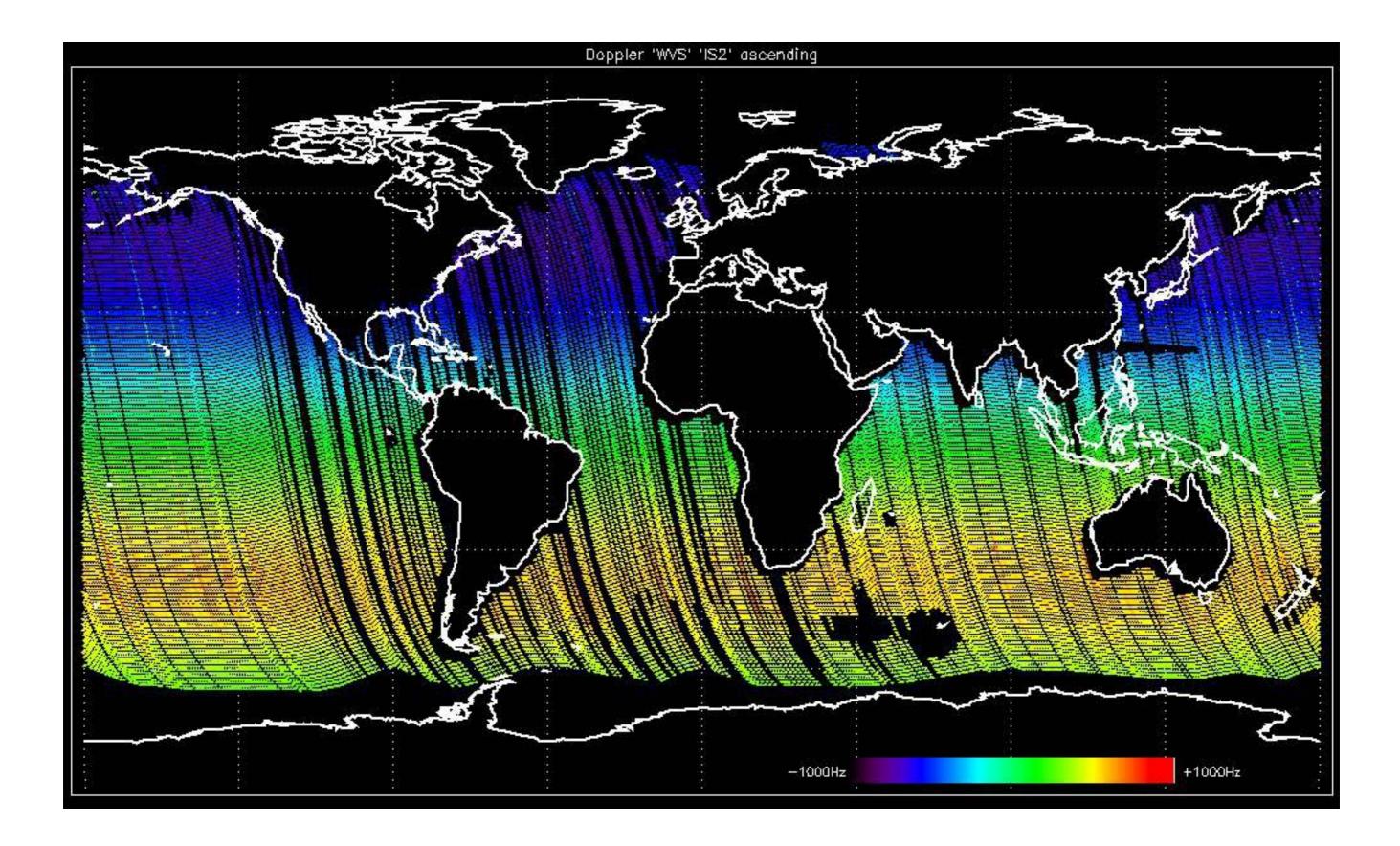




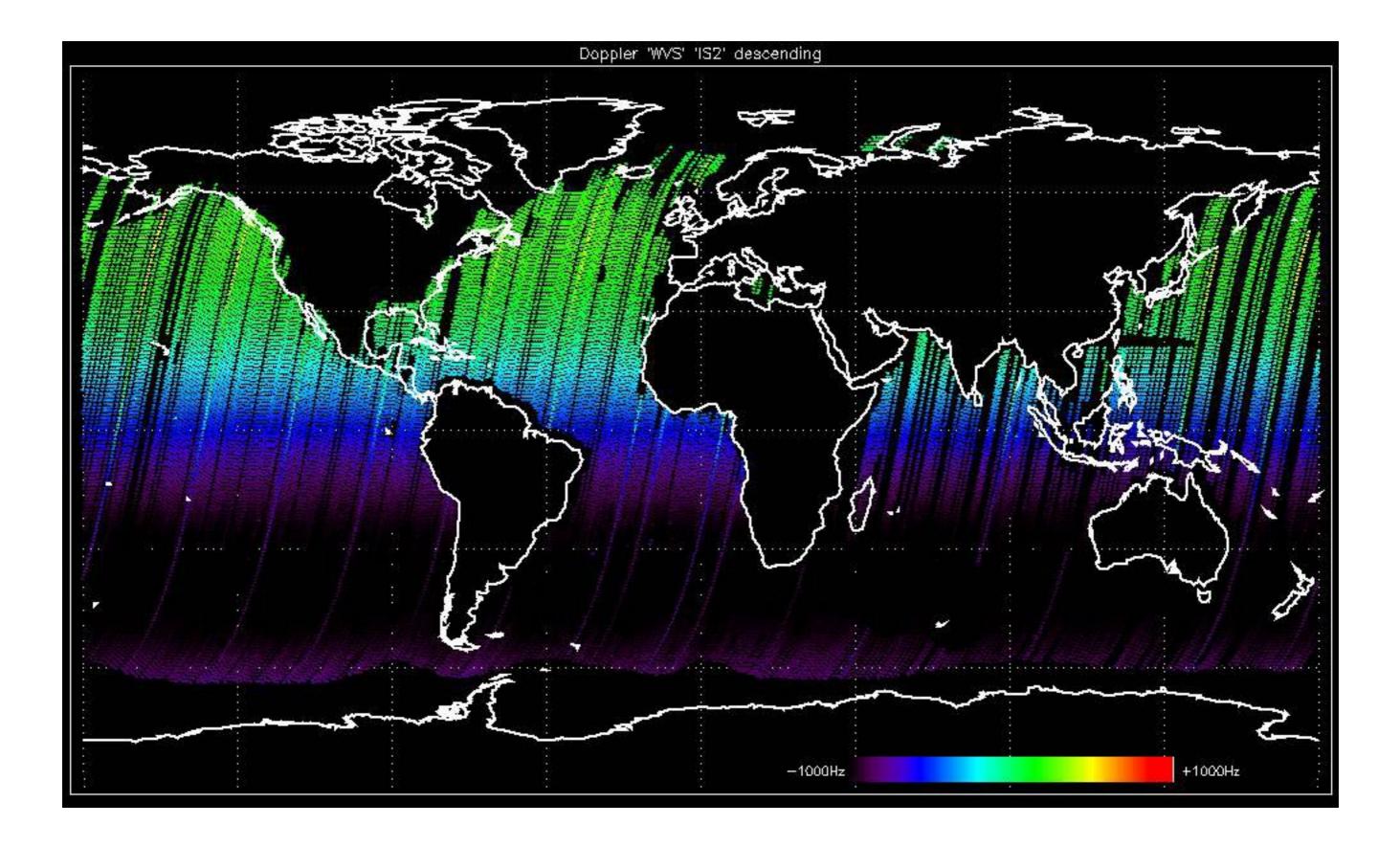




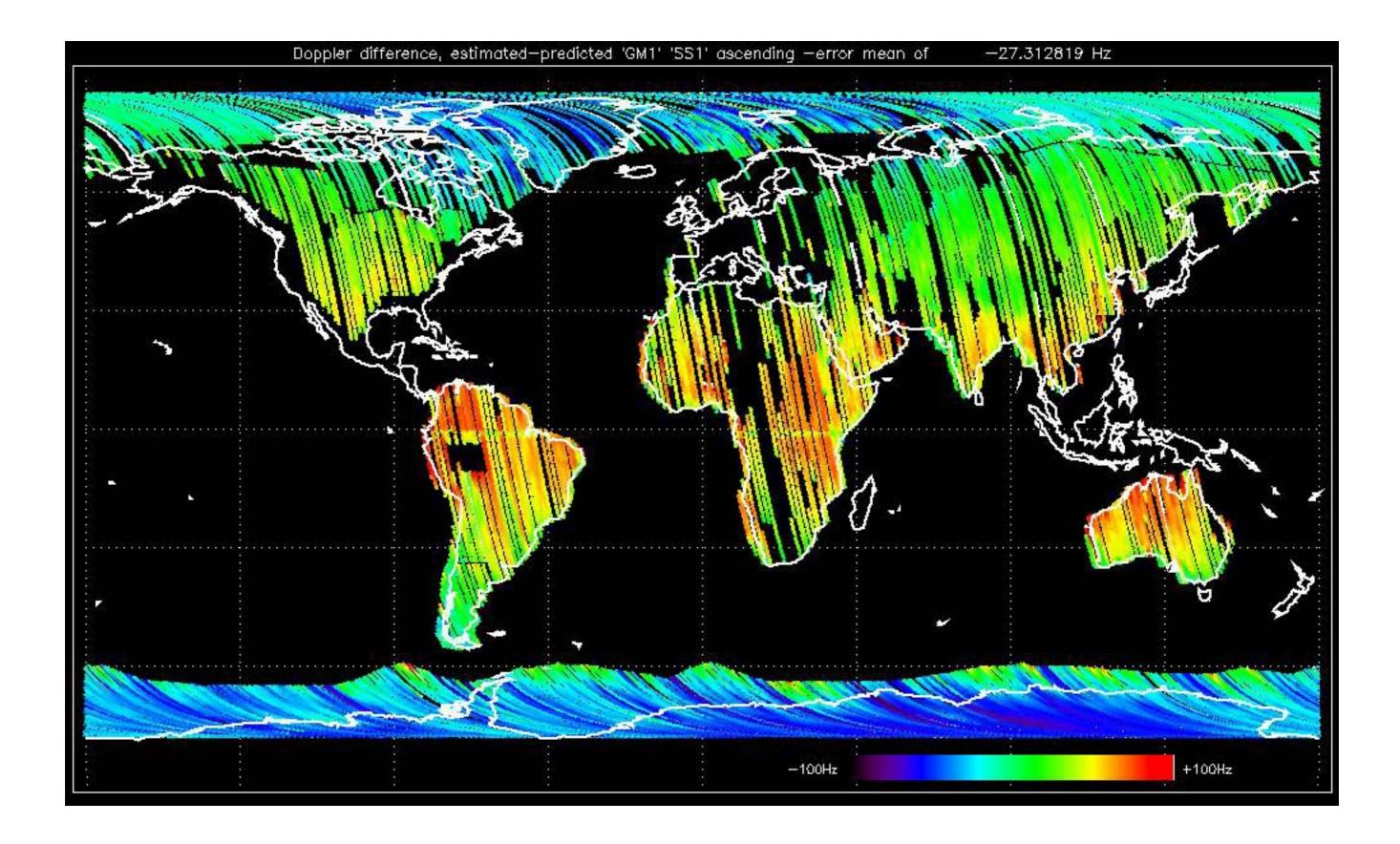




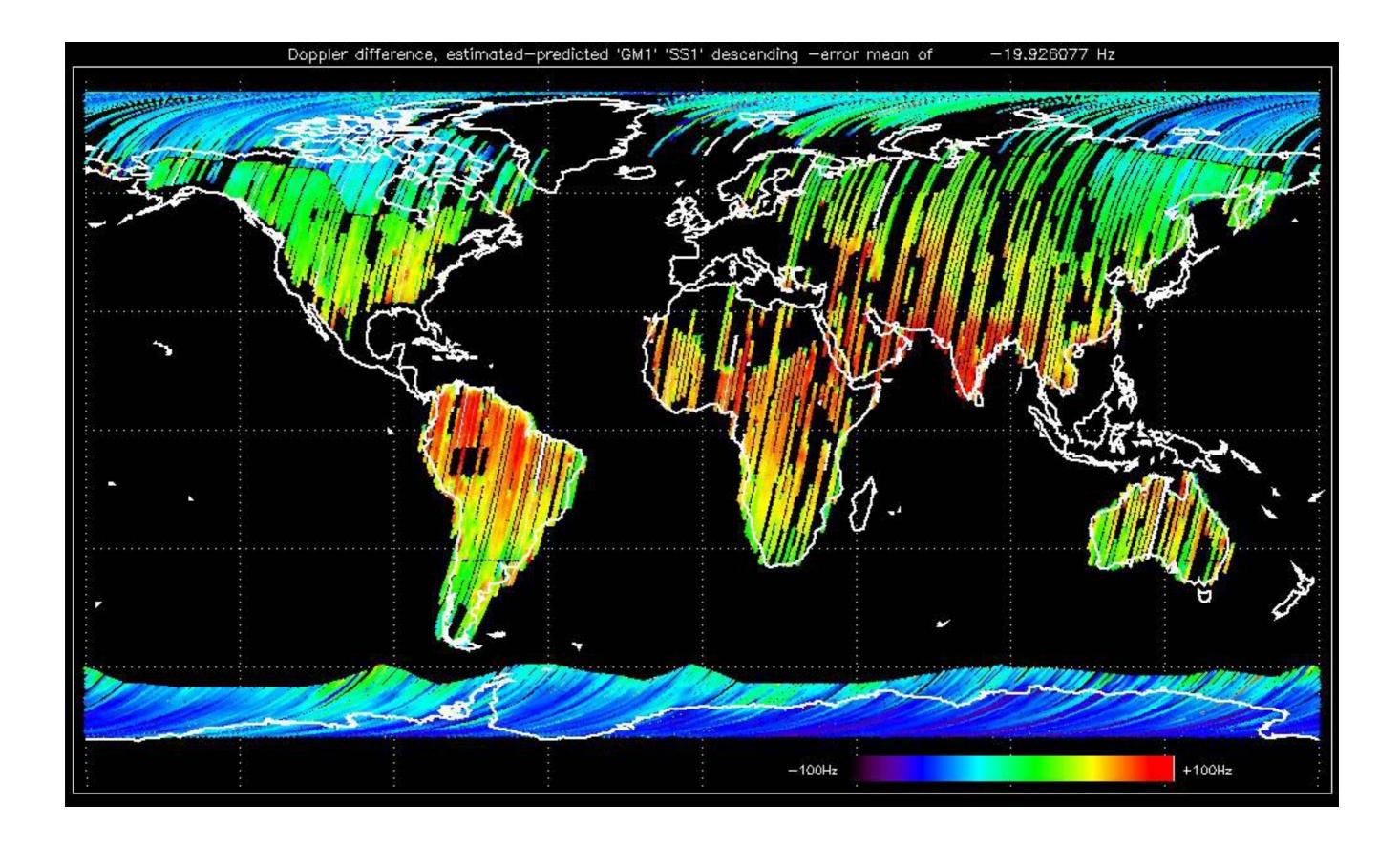




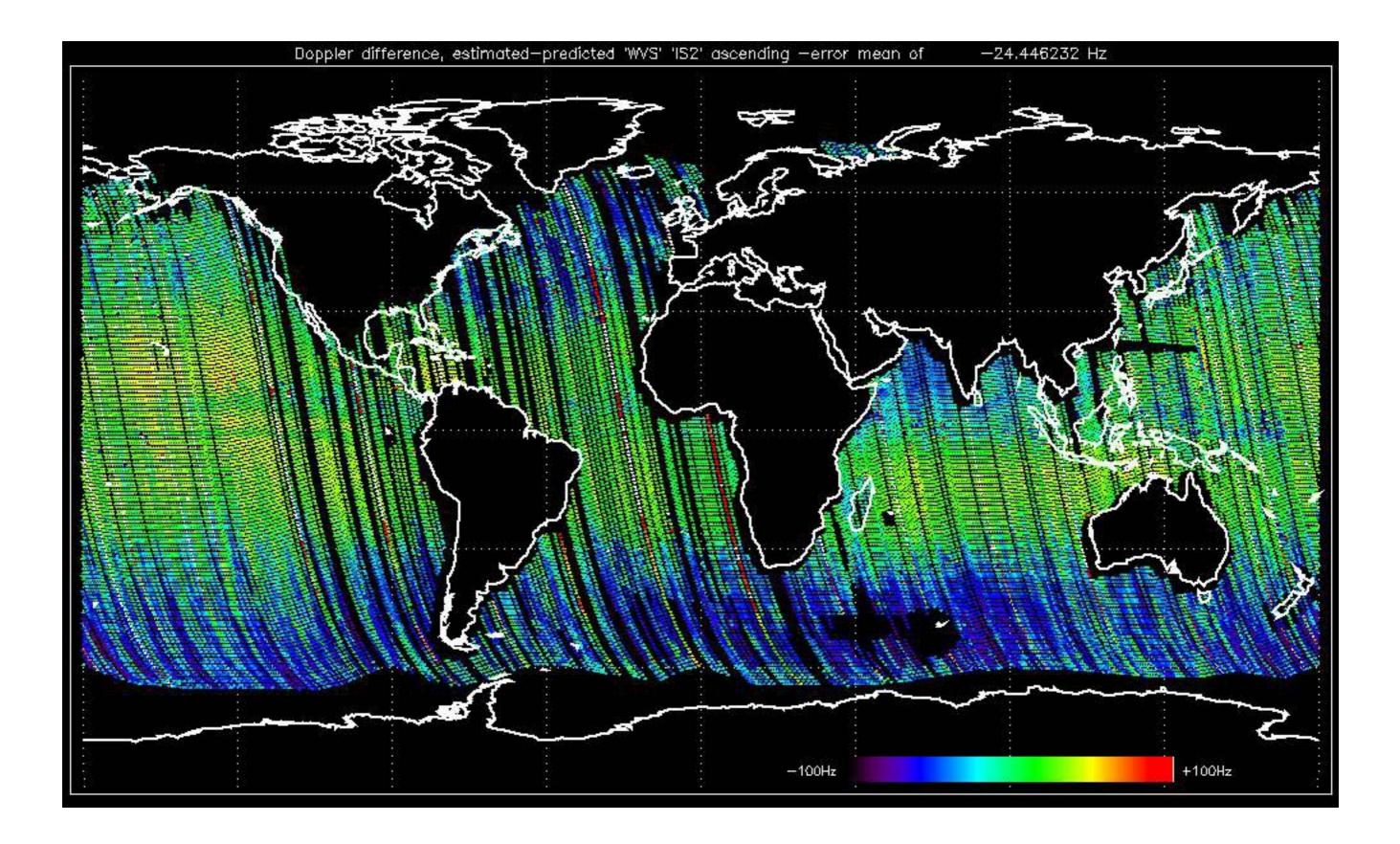




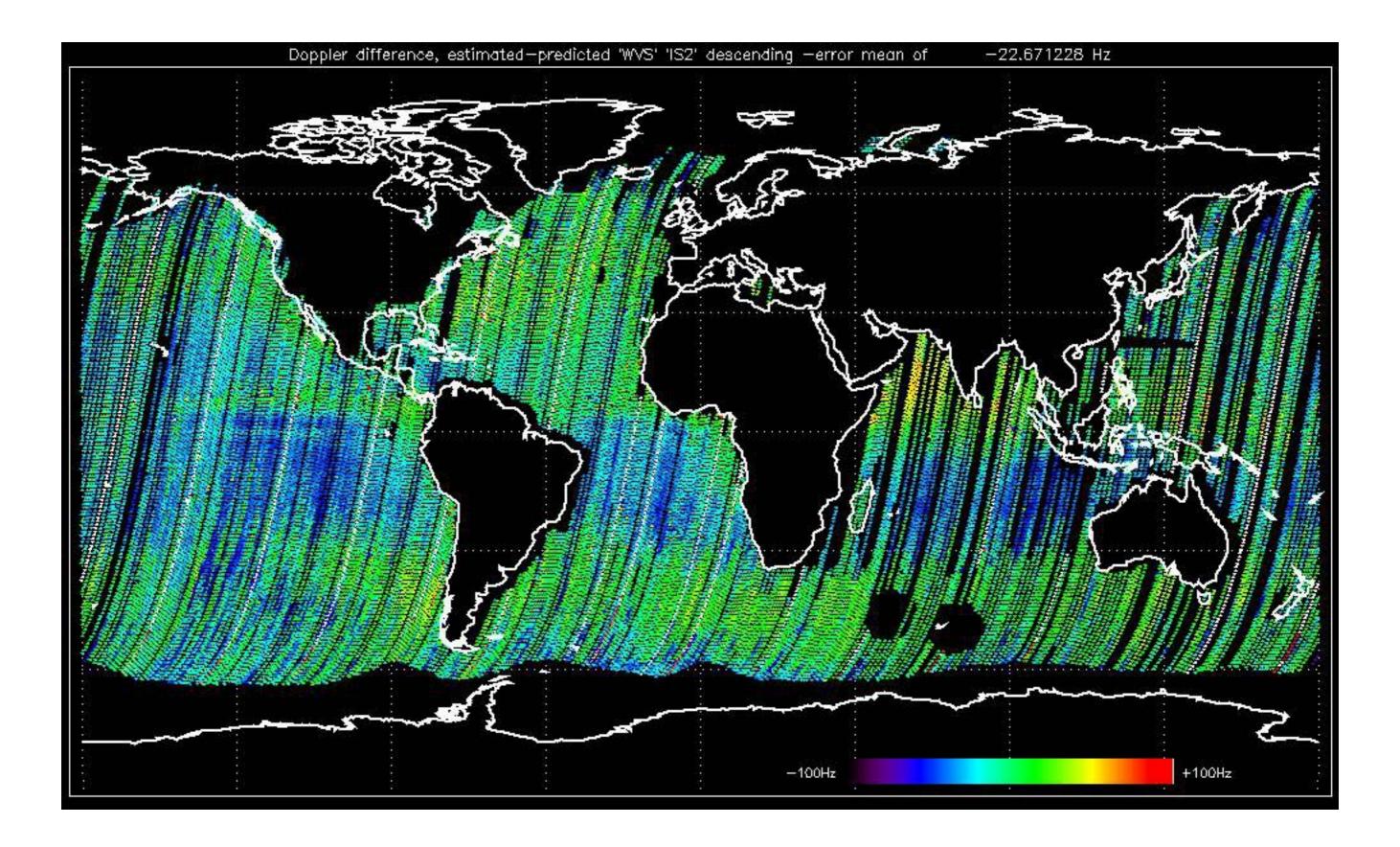












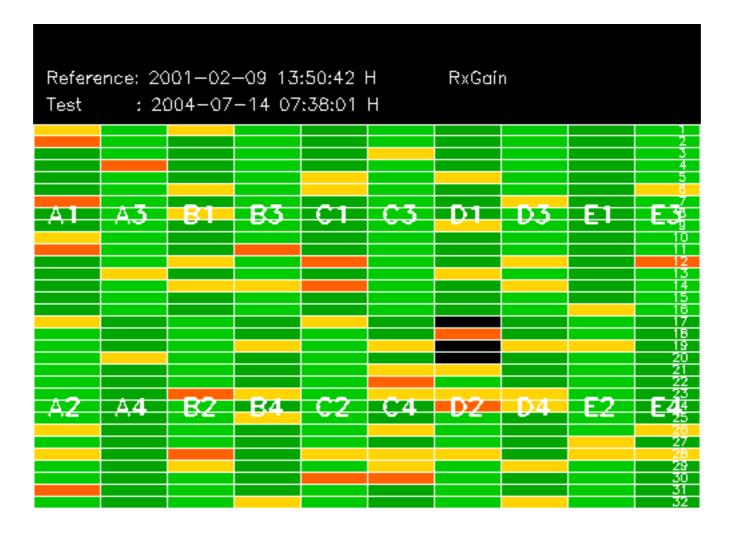


The MS mode provides an internal health check on an individual module basis. The purpose of this mode is to identify any malfunctionning modules and to identify modules for which calibration offsets are to be applied. Analysis not performed due to system maintenance activities.



Analysis not performed due to system maintenance activities







Reference: 2003—06—12 14:08:52 H RxGain Test : 2004—07—14 07:38:01 H									
									- 2 3 4 5 8
A1	A 3	B 1	B 3	C1	С3	D1	D3	E1	E3
									11 12 13 14 15
									16 17 15
Δ7	Δ 4	B2	B 4	C2	СA	D2	D4	F2	20 21 22 23 E 4 4
		-02							25 26 27 28 29
									29 30 31 32

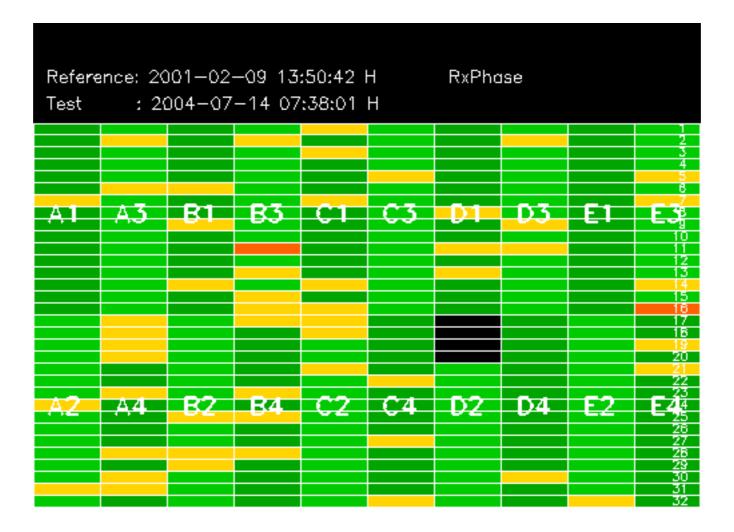






Reference: 2003—06—12 14:10:32 V RxGain Test : 2004—07—15 07:06:24 V									
									2 3 4 5 8
A1	A3	B1	B3	C1	C3	D1	D3	E1	E 3
									11 12 13 14
									15 16 17 16
									19 20 21 22
A2	A4	B 2	B 4	C2	C4	02	D4	E2	22 23 E4 4 25 26
									27 26 29 30 31 32







Reference: 2003-06-12 14:08:52 H RxPhase Test : 2004-07-14 07:38:01 H									
									2 5 4 5 8
A1	A.3	B1	B3	C1	С3	D1	D3	E1	E3
									12 13 14 15 16 17
									18 19 20 21 22 23 E 44 25
A2	<u>A</u> 4	82	B4	C2	C4	02	D4	E2	E4 25 27 26 27 26 29
									29 30 31 32

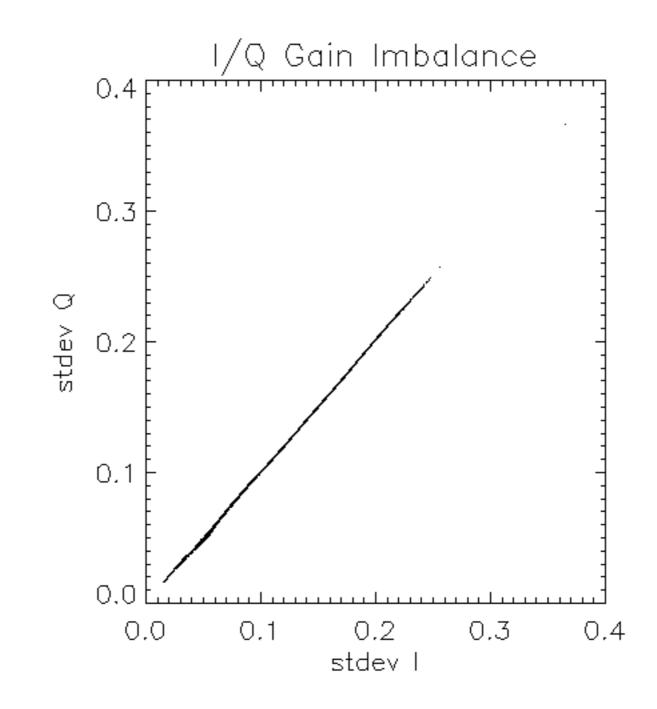


Reference: 2001—02—09 14:08:23 V RxPhase Test : 2004—07—15 07:06:24 V											
A.1	A3	B 1	83	C1	C3	D1	D3	E1	2 3 4 5 5 7 5 8 7 7 8 7 7		
									11 12 13 14 15 15 16 17 18		
A.2	A,4	82	84	C2	C4	D2	D4	E 2	19 20 21 22 23 23 E4 25 26 27		
									26 29 30 31 32		

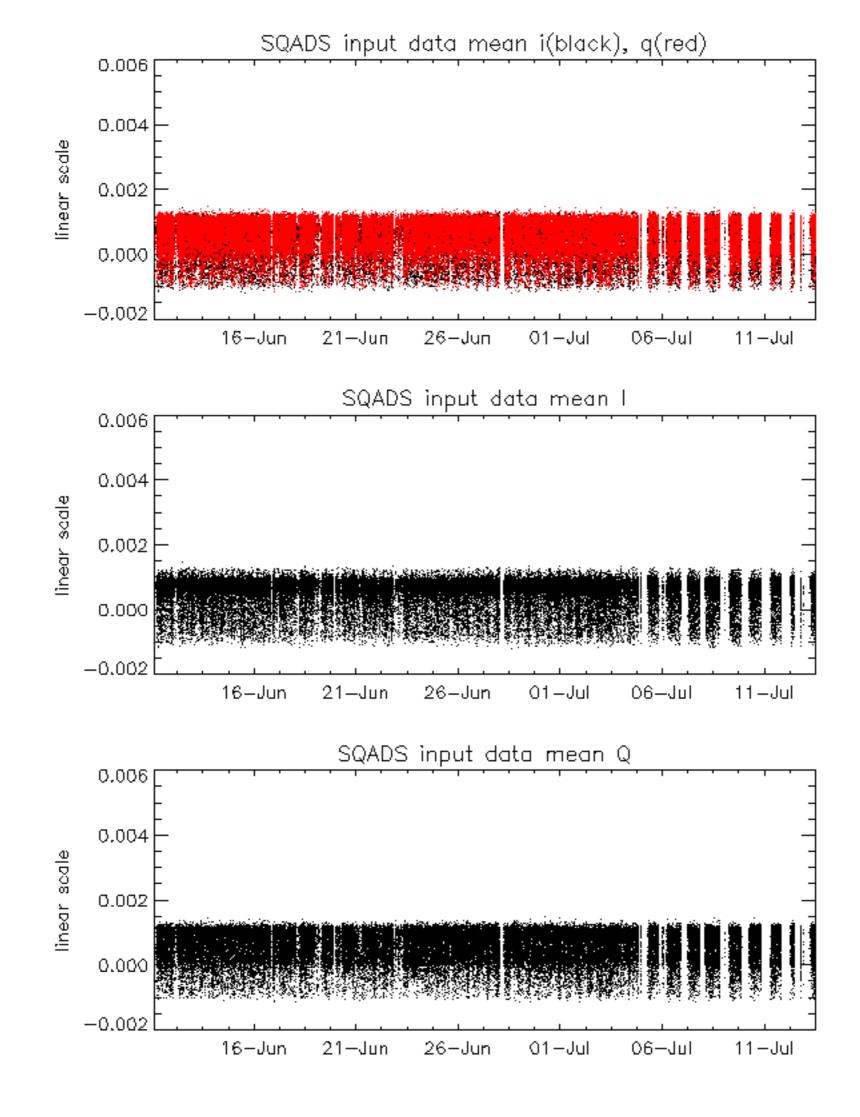


Reference: 2003—06—12 14:10:32 V RxPhase Test : 2004—07—15 07:06:24 V									
_A1	A3	81	83	C1	С3	D1	D3	E1	2 4 5 67 E3 8
									11 12 13 14 15 15 16 17 16
A.2	A 4	82	B 4	C2	C4	D2	D4	E2	19 20 21 22 23 23
									25 26 27 26 28 29 30 31 31 32

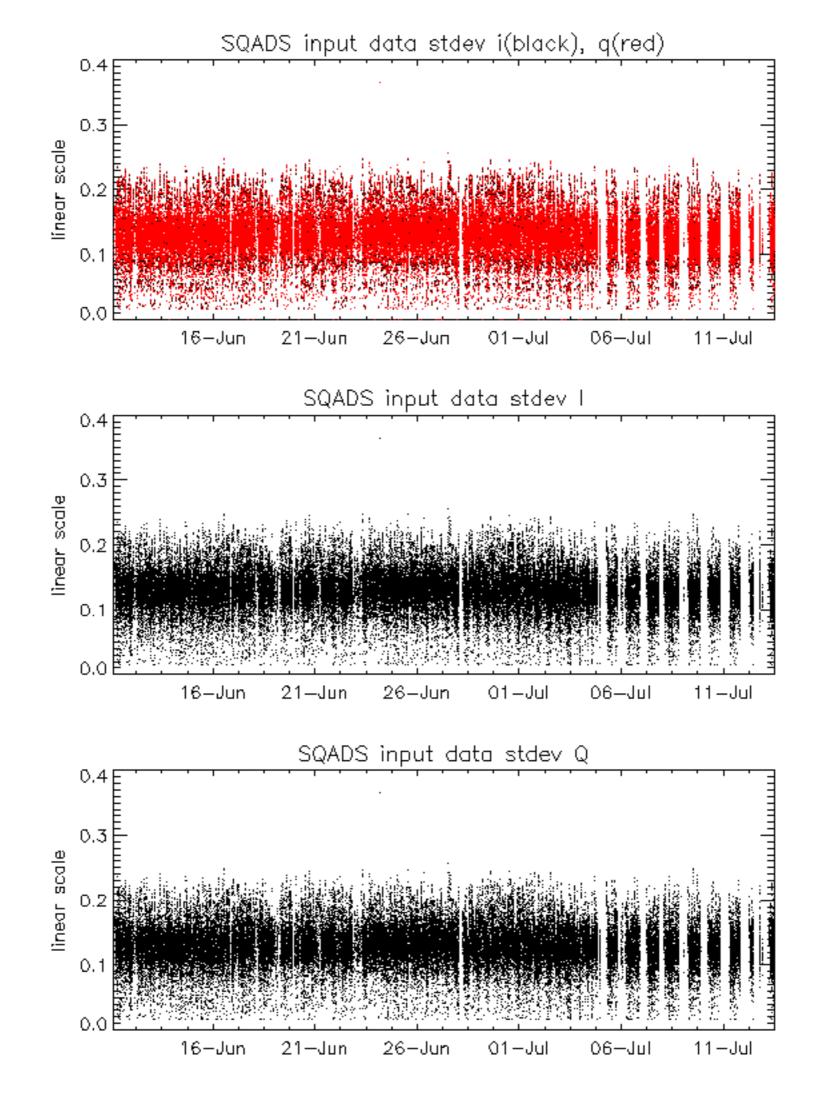














	Reference: 2001—02—09 13:50:42 H TxGain Test : 2004—07—14 07:38:01 H											
A.1	A3	B 1	83	C1	C3	D1	D3	E1	2 3 5 6 7 E3 8			
									10 11 13 13 14 15 16 17			
A2	A4	B 2	B4	C2	C4	D2	D4	E 2	18 19 20 21 22 23 E4 4 25			
									26 27 25 29 30 31 31 32			



Reference: 2003—06—12 14:08:52 H TxGain Test : 2004—07—14 07:38:01 H											
A1	A.3	B 1	83	C1	C3	D1	D3	E1	2 3 4 5 7 5 7 5 7 5 7 5 7 7 7 5 7 7 7 7 7 7		
									11 12 13 14 15 16 17 18		
A2	A4	82	B 4	C2	C4	D2	D4	E 2	19 20 21 22 23 E4 25 26 27		
									26 27 28 29 30 31 31 32		



Reference: 2001—02—09 14:08:23 V TxGain Test : 2004—07—15 07:06:24 V											
A,1	A3	B 1	B3	C1	C3	D1	D3	El	2 4 5 6 7 E3 10		
									11 12 13 14 15 15 16 17 18		
A 2	A,4	82	84	C2	C4	02	D4	E 2	20 21 22 23 E 44 25 26 26 27 26		
									28 29 30 31 32		



Reference: 2003—06—12 14:10:32 V TxGain Test : 2004—07—15 07:06:24 V										
									- 2 3 4 5 8	
A1	A3	B1	B3	C1	С3	D1	D3	El	E3	
									12 13 14 15 15	
									17 18 19 20 21 21 22	
A2	<u>A</u> 4	B 2	B 4	C2	C4	D2	D4	E2	E44 25	
									27 26 29 30 31 32	

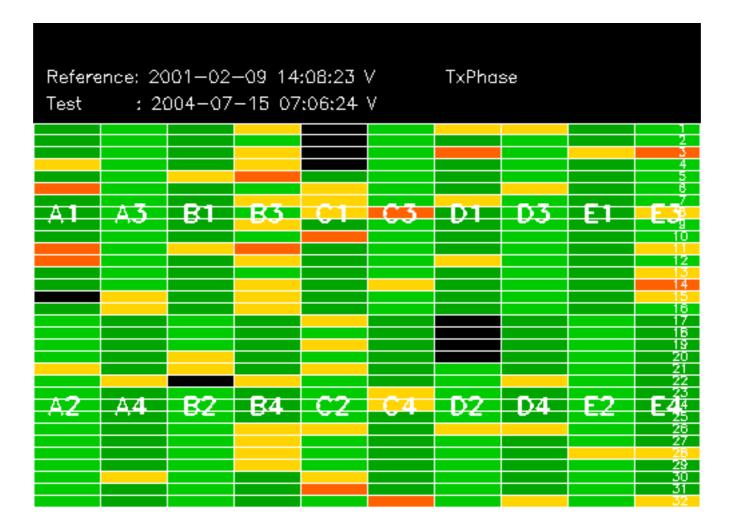


	Reference: 2001-02-09 13:50:42 H TxPhase Test : 2004-07-14 07:38:01 H										
A1	A.3	B 1	83	C1	С3	D1	03	E1	2 34 55 E3 5		
									10 11 12 13 14 15 16 17		
A.2	A4	82	84	C2	C4	02	D4	E2	16 20 21 22 23 23 24 25		
									26 27 28 29 30 31 31 32		



Reference: 2003—06—12 14:08:52 H TxPhase Test : 2004—07—14 07:38:01 H										
A1	A3	B 1	B3	C1	C3	D1	D3	E1	2 5 6 7 E3 9 10	
									11 12 13 14 15 16 17	
A.2	A 4	82	B 4	C2	C4	D2	D4	E 2	19 20 21 22 23 24 25 26 27 26 27 25	
									29 29 30 31 32	

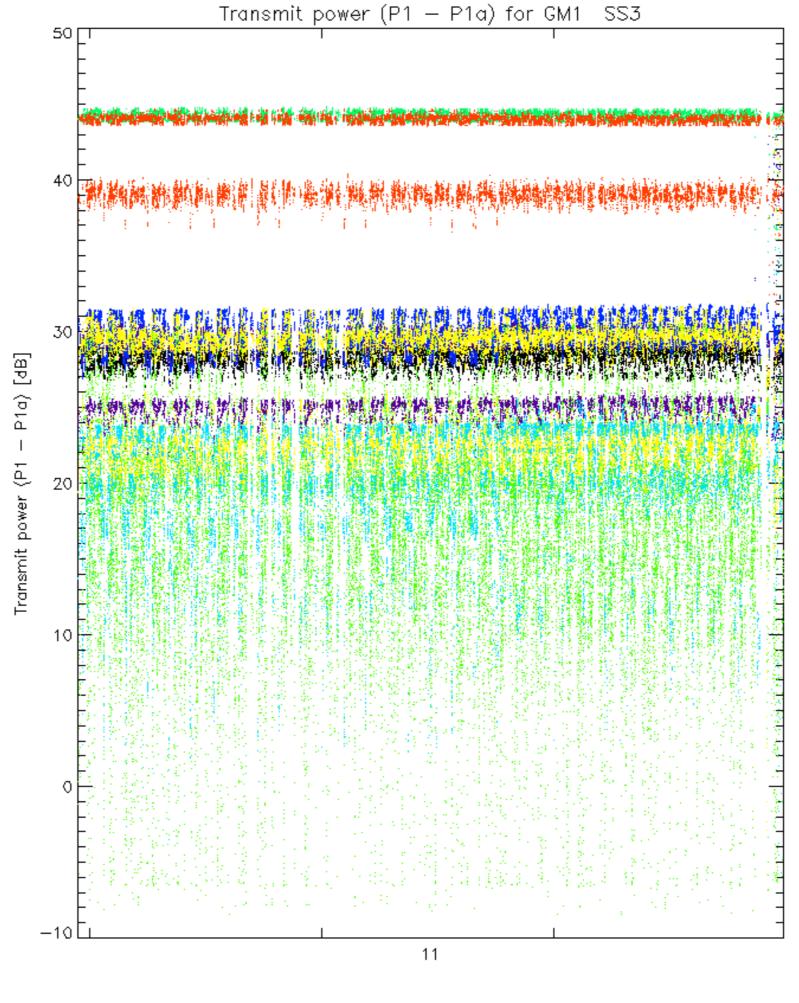






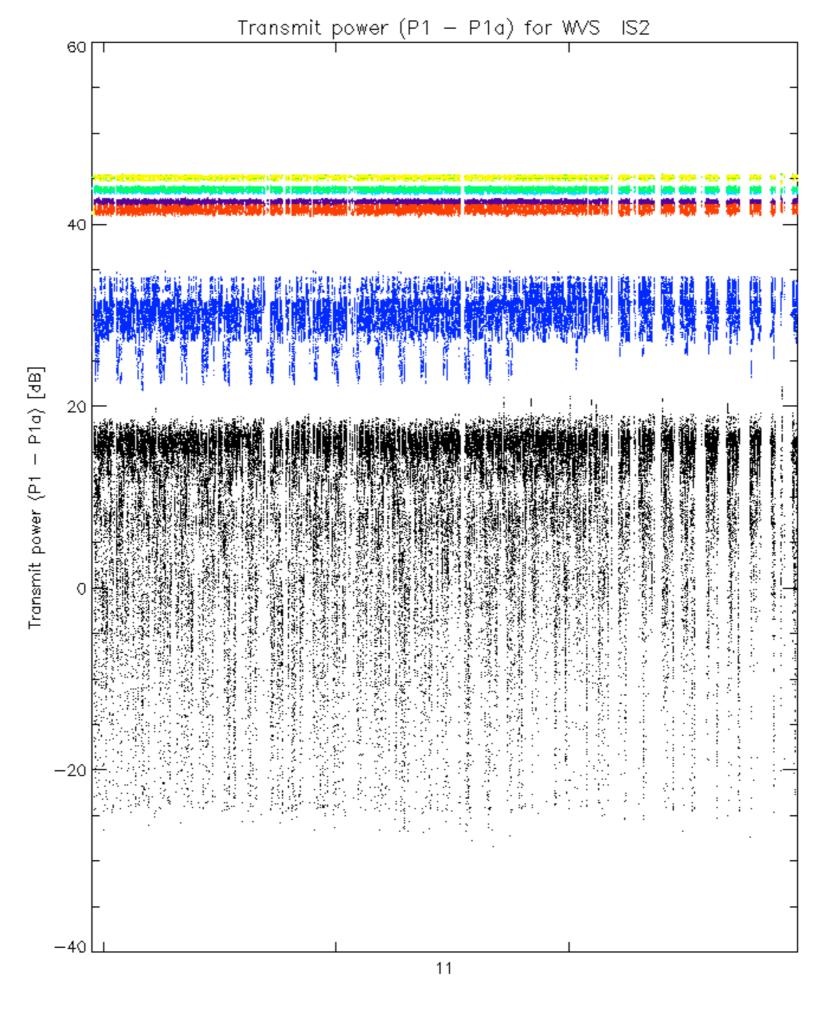
	Reference: 2003—06—12 14:10:32 V TxPhase Test : 2004—07—15 07:06:24 V									
									2 3 4	
A1	A3	B1	B 3	C1	03	D1	D3	E1	E 3	
									10 11 12	
									14 15 16	
									17 18 19 20	
A2	Δ4	B2	B 4	C2	<u>C4</u>	D2	D4	E2	21 22 23 F 4 4	
									25 26 27 28	
									26 29 30 31 32	





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





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



No unavailabilities during the reported period.

