



Analysis from 12-MAR-2012 00:00:00 to 12-MAR-2012 20:01:01. Page generated on 12-MAR-2012 20:01:25.
View log file: ASAR_Daily_Report_20120312_2001.log. For any anomalies please contact emma.hatton@vegaspaces.com, kajal.haria@vegaspaces.com.

This report is automatically generated every day, every 2 hours. No comments are provided on the results.

SUMMARY

1. DATA SUMMARY
 - 1.1 Summary tables
 - 1.2 Lists of products used
2. AUXILIARY FILES ANALYSIS
 - 2.1 IECF operational ADFs list
 - 2.2 Products with wrong ADFs
3. MODULE STEPPING PRODUCTS ANALYSIS
 - 3.1 V/V polarisation
 - 3.2 H/H polarisation
4. CALIBRATION PULSES ANALYSIS
 - 4.1 Analysis for WVS IS2 V/V
 - 4.1.1 Temporal Evolution Analysis for WVS IS2 V/V
 - 4.1.2 All Rows Analysis for WVS IS2 V/V
 - 4.2 Analysis for GM1 SS3 H/H
 - 4.2.1 Temporal Evolution Analysis for GM1 SS3 H/H
 - 4.2.2 All Rows Analysis for GM1 SS3 H/H
5. DOPPLER ANALYSIS
 - 5.1 Analysis for WVS IS2 V/V
 - 5.1.1 Doppler MAP Analysis for WVS IS2 V/V
 - 5.1.2 Doppler ANX Analysis for WVS IS2 V/V
 - 5.2 Analysis for GM1 SS1 H/H
 - 5.2.1 Doppler MAP Analysis for GM1 SS1 H/H
 - 5.2.2 Doppler ANX Analysis for GM1 SS1 H/H
 - 5.3 Doppler JUMPS Analysis for WSM
6. CHIRP ANALYSIS
 - 6.1 Analysis for WSM SS1 H/H
 - 6.1.1 ScaleFactor
 - 6.2 Analysis for WSM SS1 V/V
 - 6.2.1 ScaleFactor
7. RAW DATA ANALYSIS
 - 7.1 Analysis for WVS
 - 7.2 Analysis for IMM
8. TELEMETRY ANALYSIS
 - 8.1 Number of Missing Lines
 - 8.2 Number of Gaps

1 - DATA SUMMARY

1.1 - Summary tables

[BACK TO MENU]

WVS				GM1				APM				IMM				WSM				MS			
Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Time	Pol	Modules
PDE	IS1	V/V	2	PDE	WS	H/H	20	PDE	IS1	V/H	2	PDE	IS2	V/V	1	PDE	WS	H/H	11	PDK	2012-03-12 09:43:15	H	320
PDE	IS2	V/V	17	PDK	WS	H/H	14	PDE	IS2	H/H	1	PDE	IS6	H/H	5	PDE	WS	V/V	2	PDK	2012-03-12 11:23:29	V	320
PDK	IS1	V/V	1													PDK							
PDK	IS2	V/V	23																				

1.2 - Lists of products used

[BACK TO MENU]

[TXT] [XLS] List_WVS_products_used
 [TXT] [XLS] List_GM1_products_used
 [TXT] [XLS] List_APM_products_used
 [TXT] [XLS] List_IMM_products_used
 [TXT] [XLS] List_WSM_products_used
 [TXT] [XLS] List_MS_products_used

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

[BACK TO MENU]

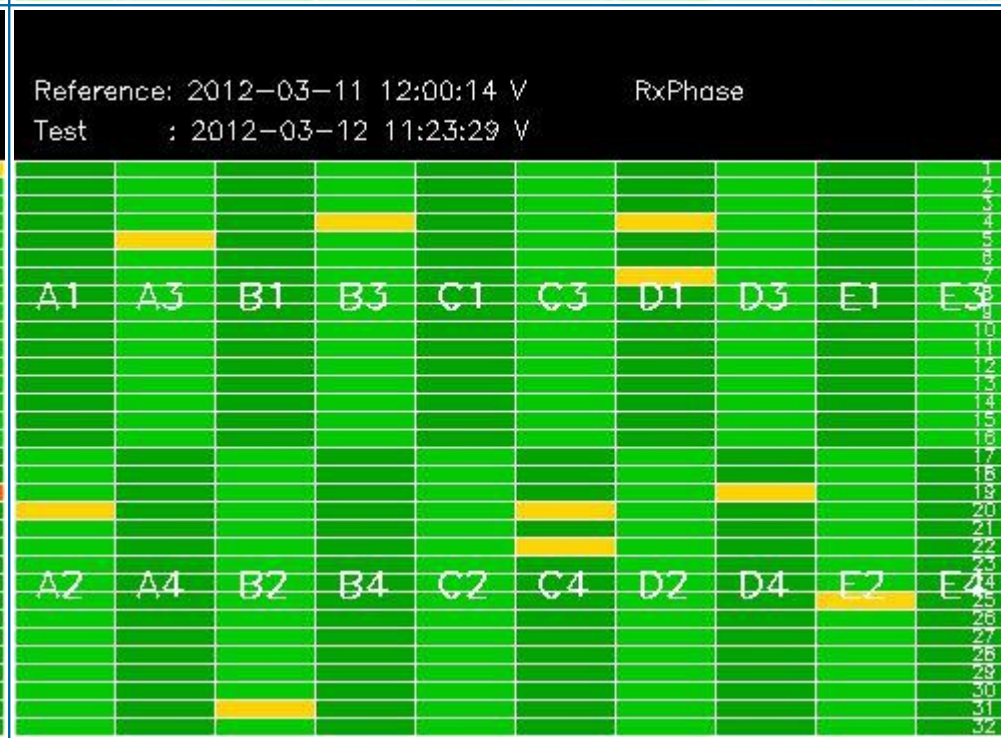
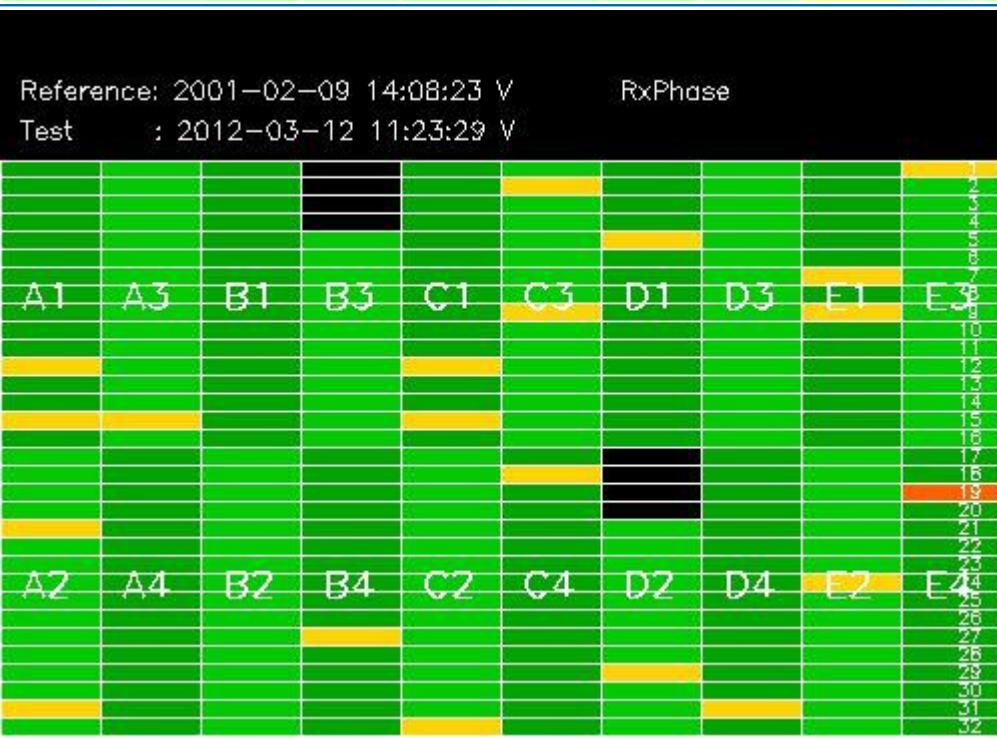
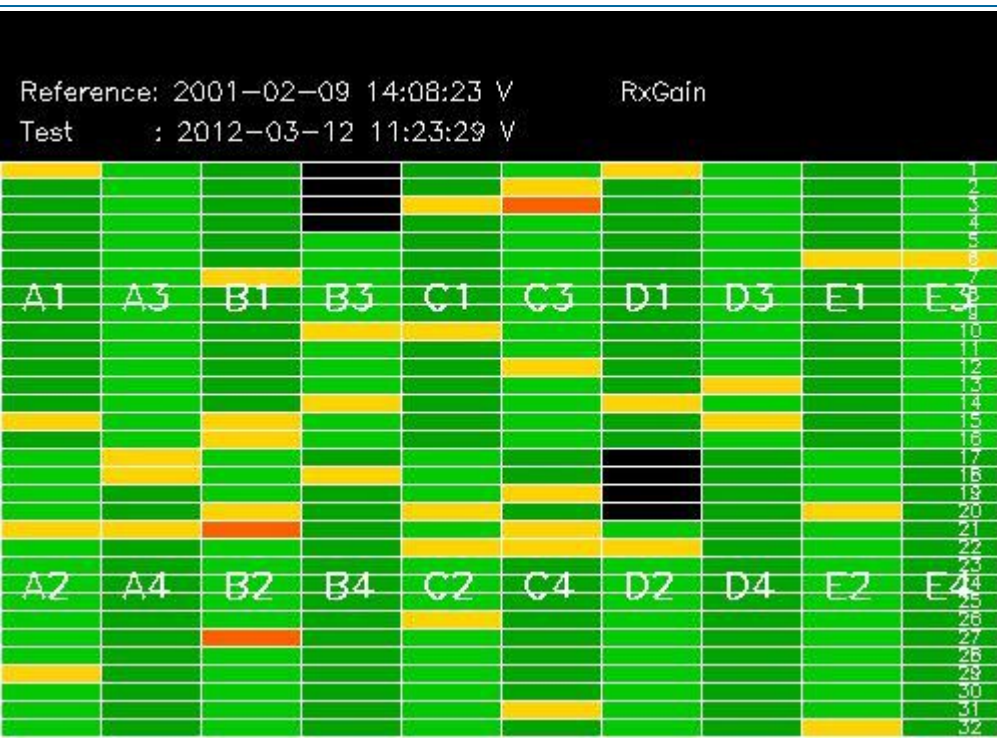
No IECF ADFs list available

2.2 - Products with wrong ADFs

[BACK TO MENU]

3 - MODULE STEPPING PRODUCTS ANALYSIS

SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation

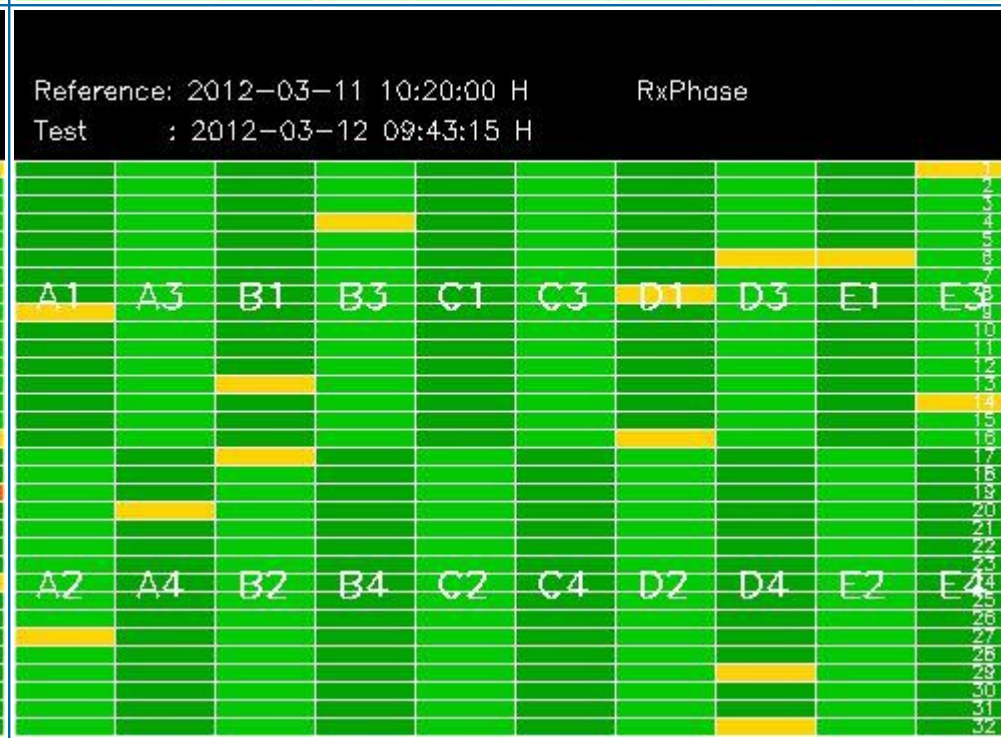
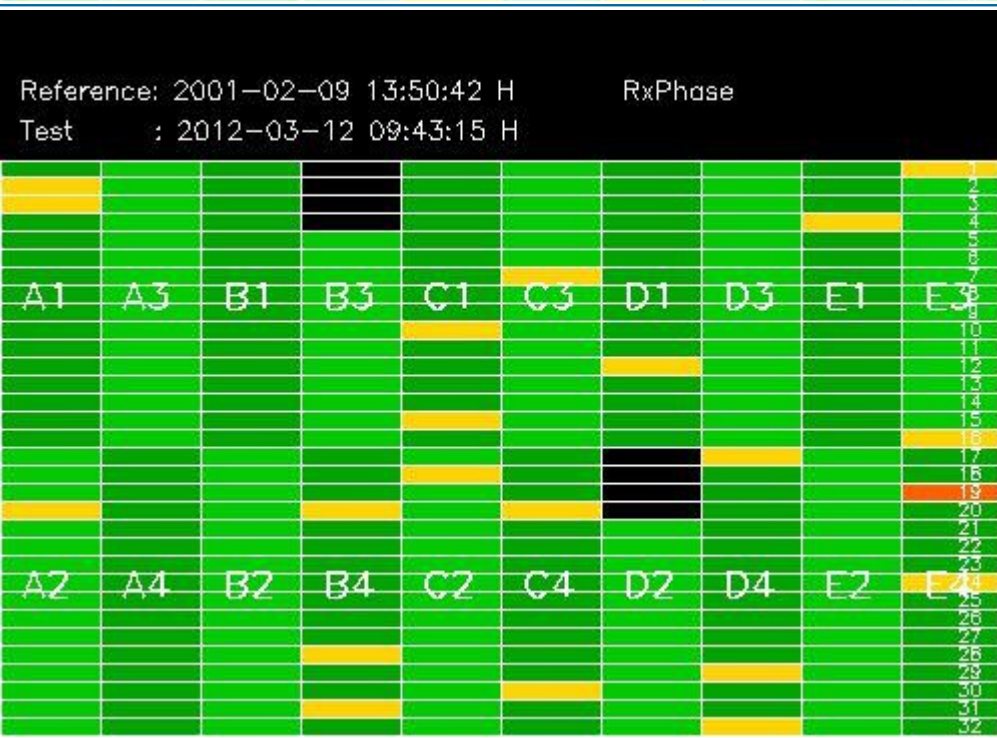
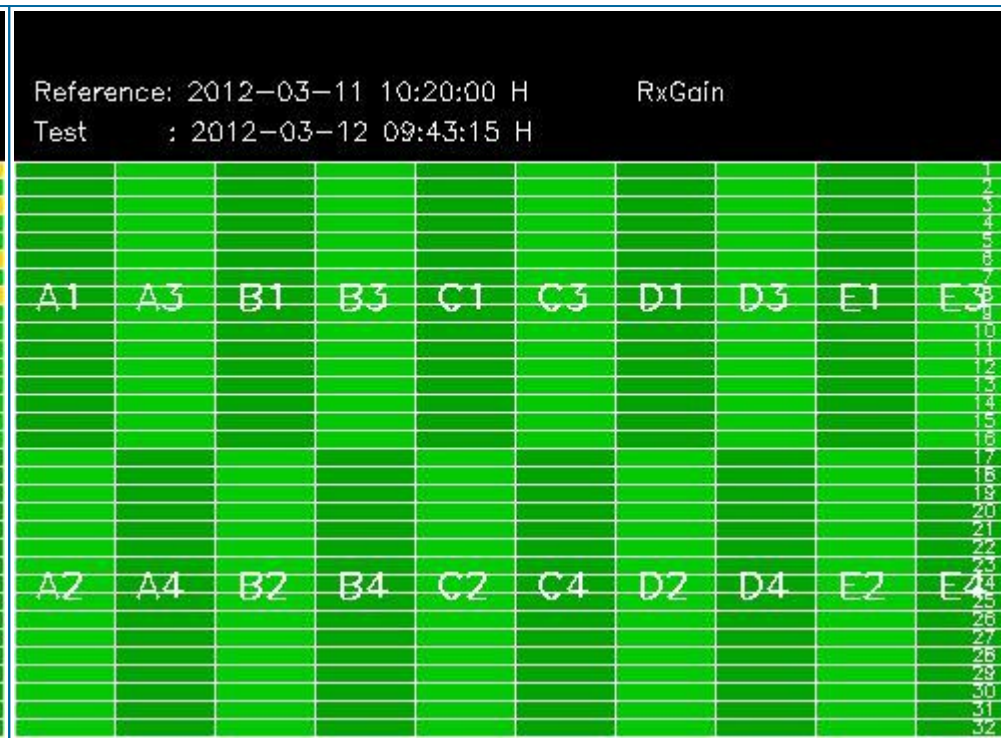
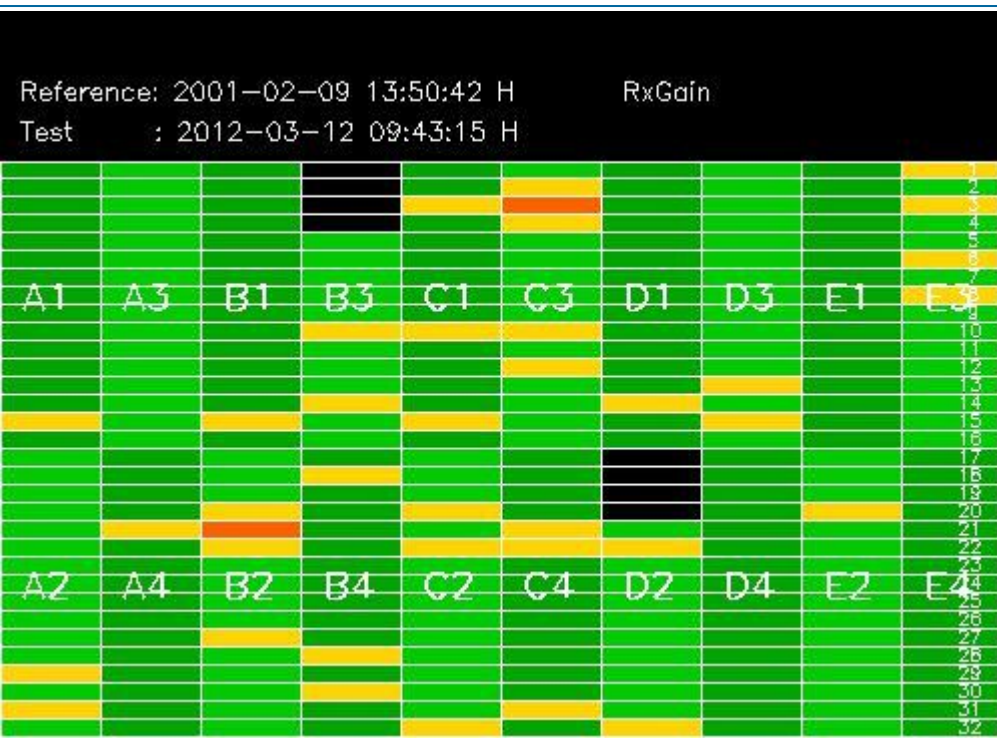




3.2 - H/H polarisation

[[BACK TO MENU](#)]

SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

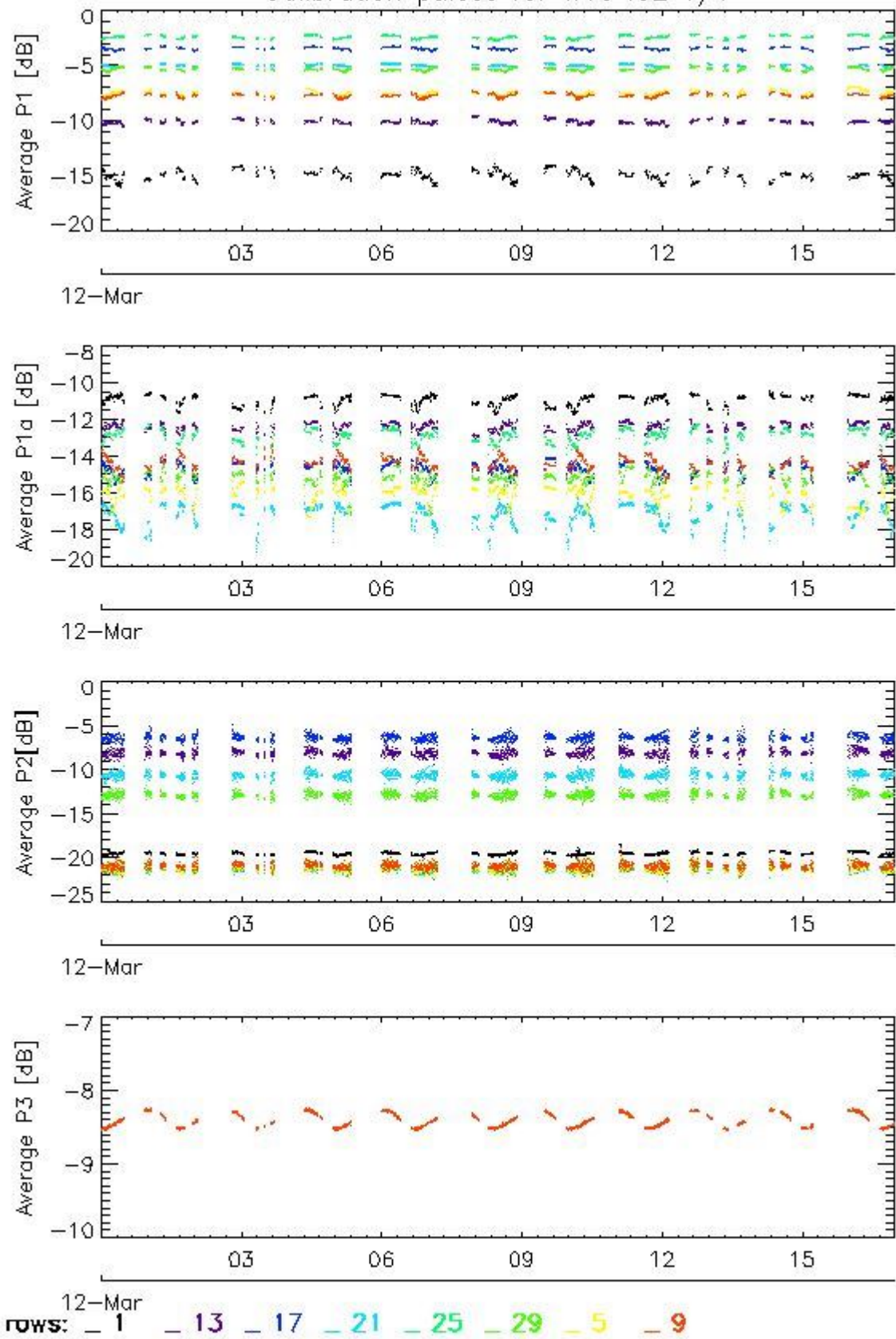
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

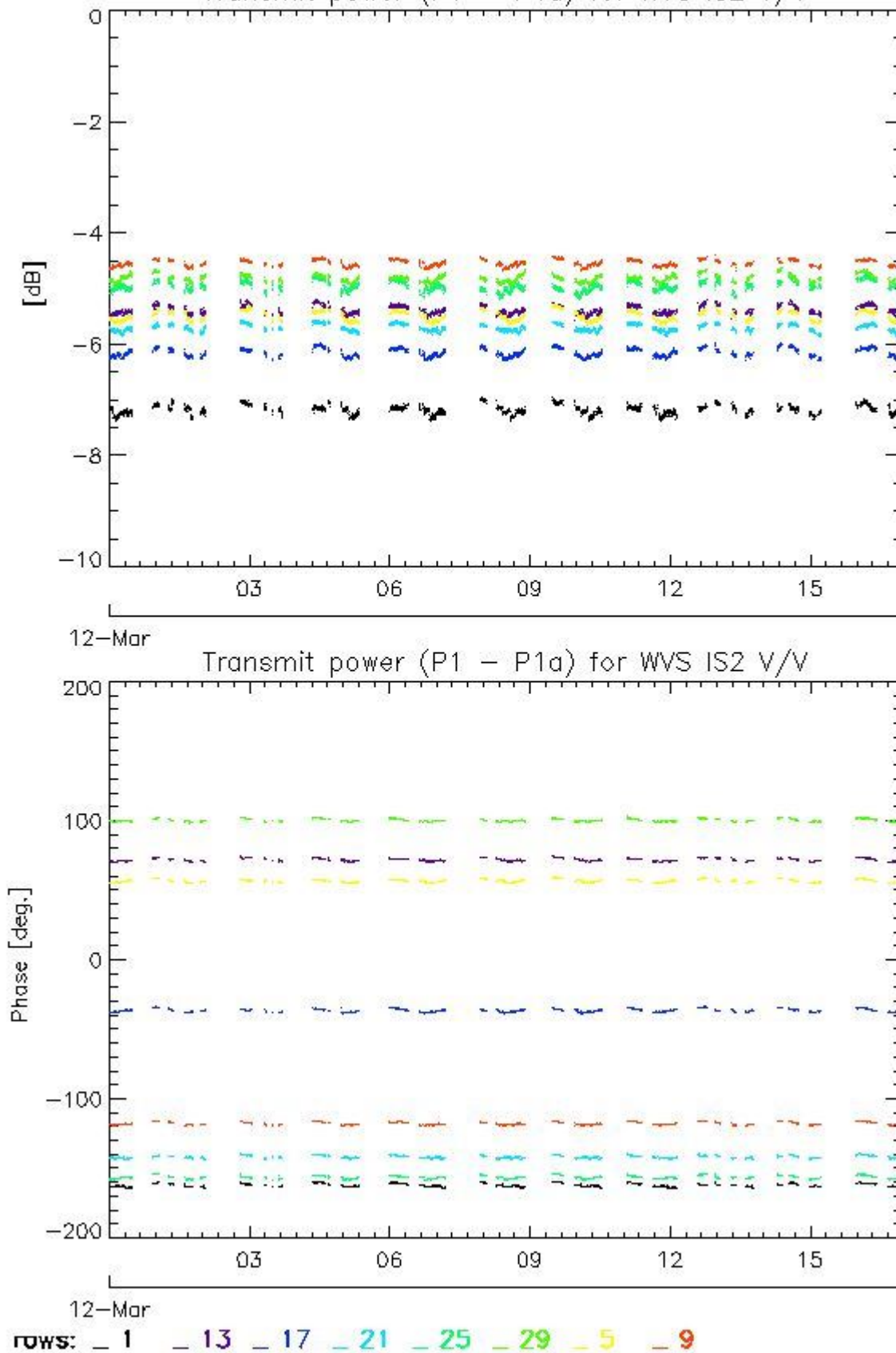
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

Calibration pulses for WVS IS2 V/V



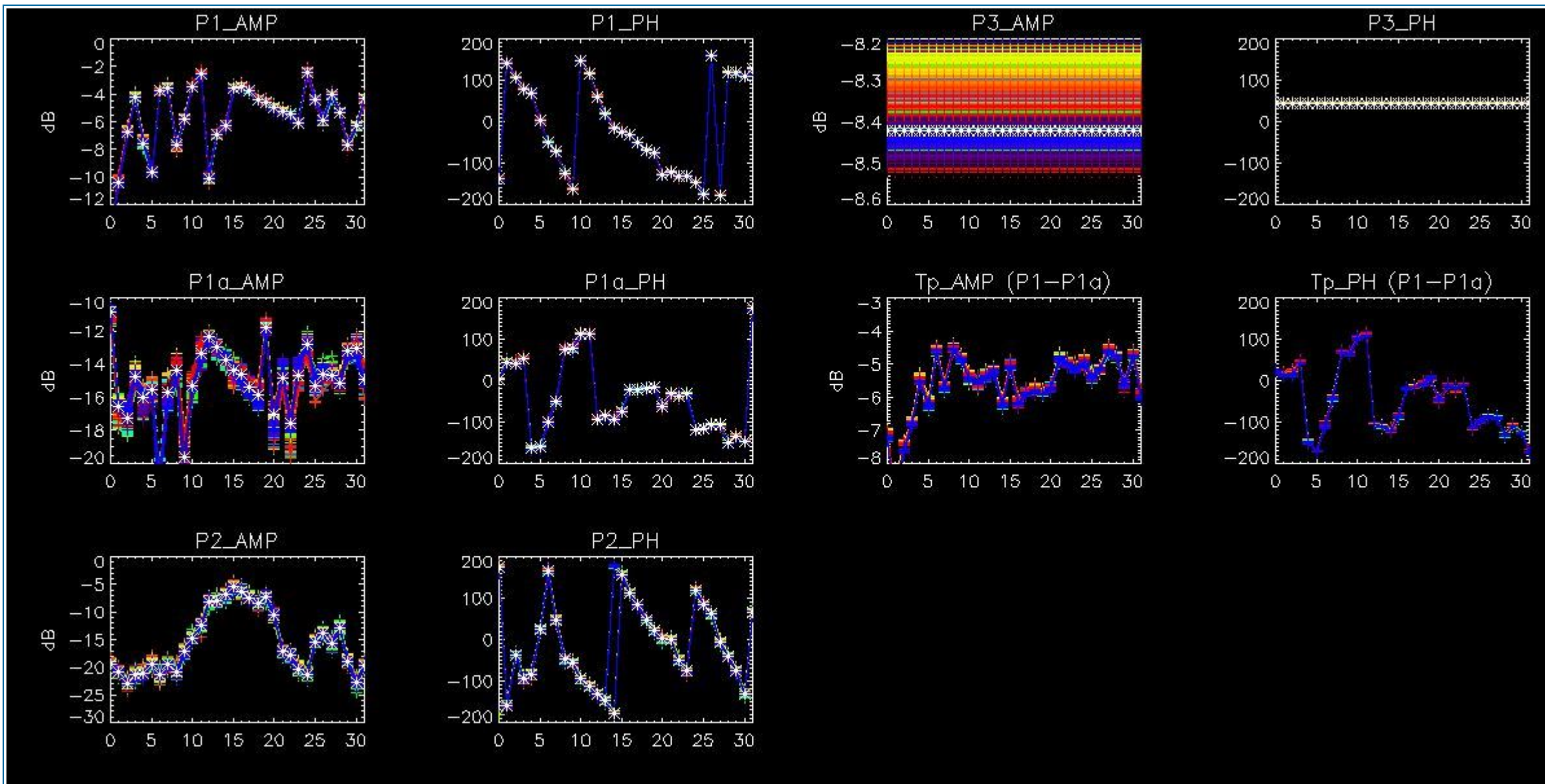
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

[BACK TO MENU]





4.2 - Analysis for GM1 SS3 H/H

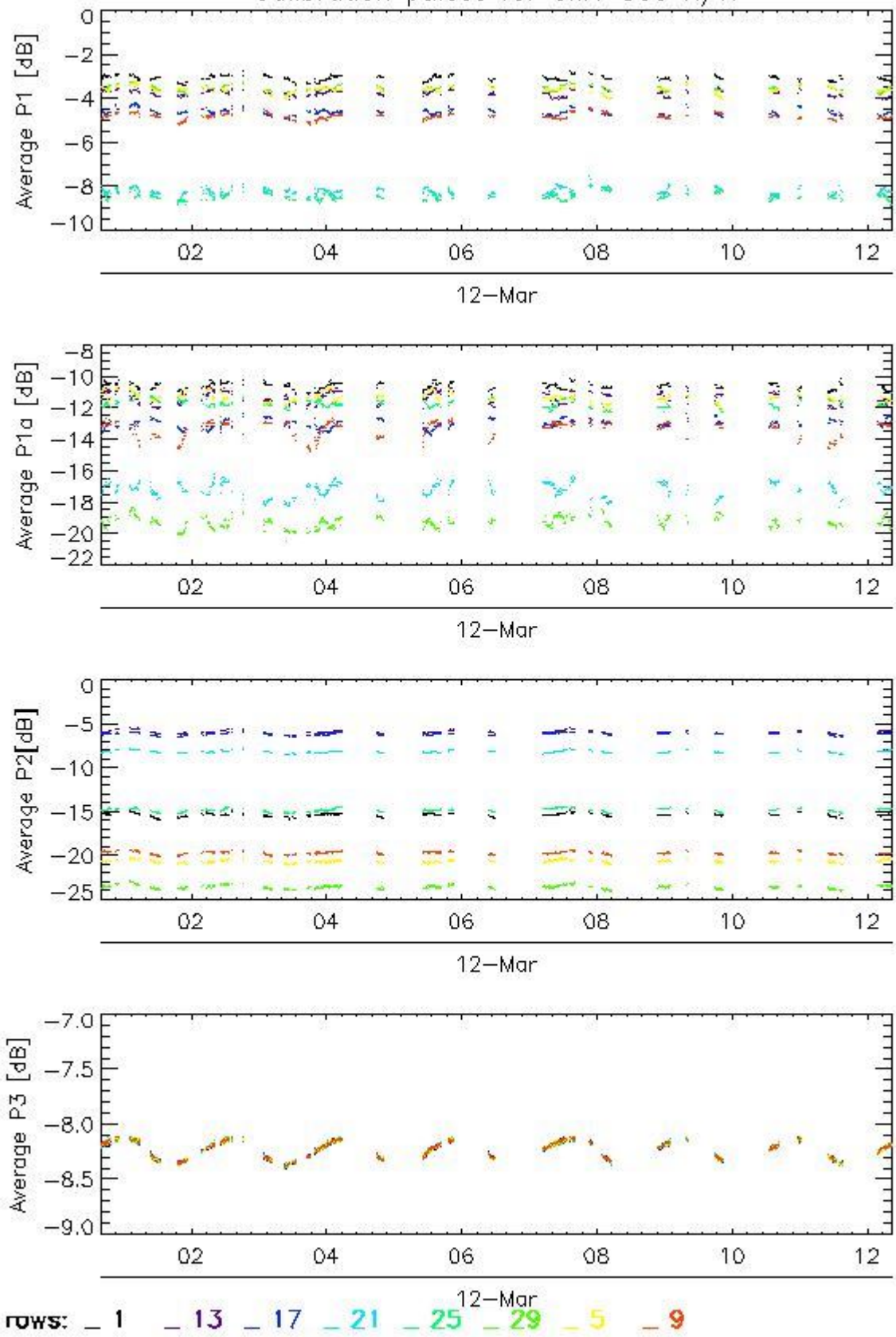
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

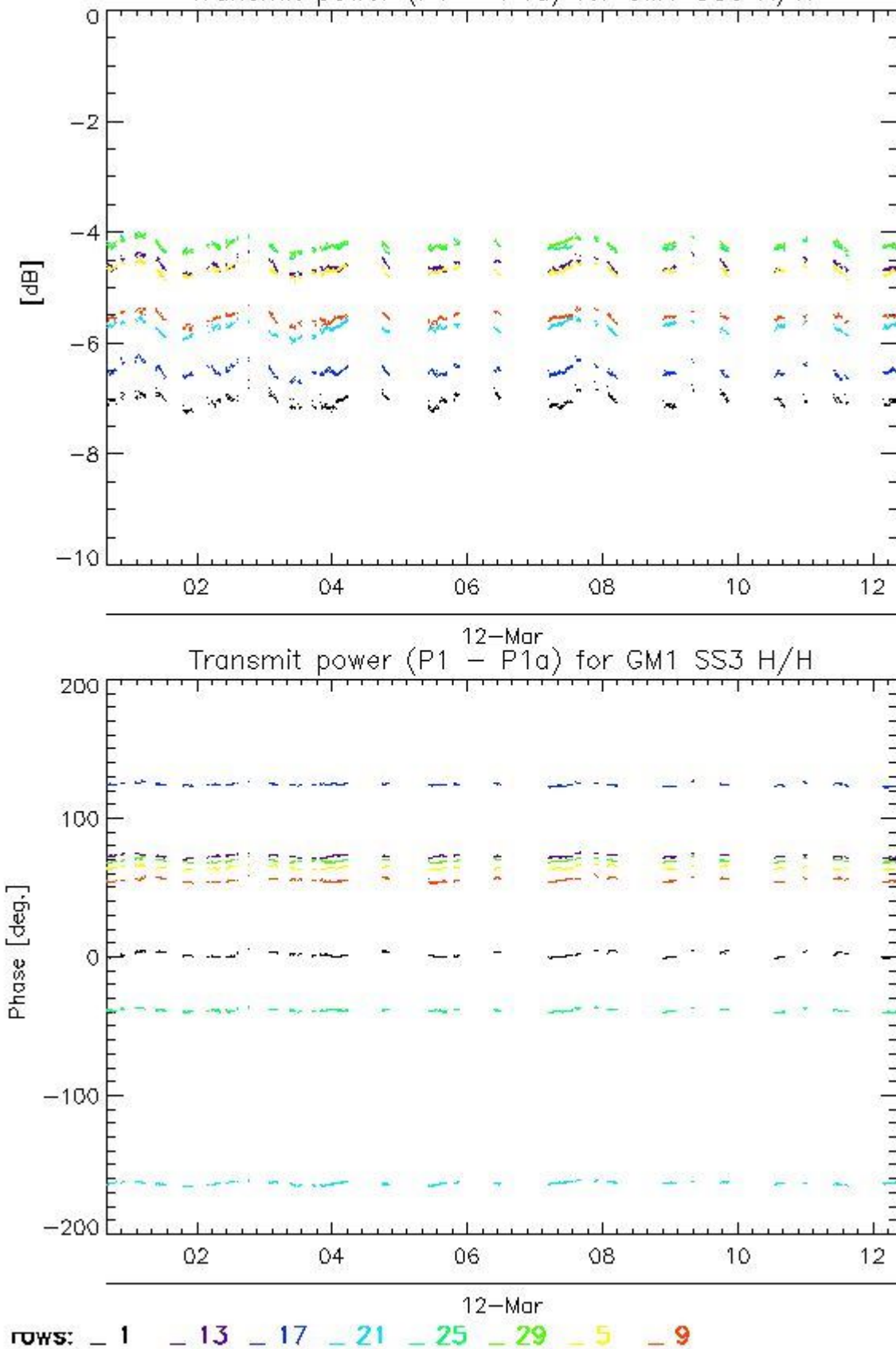
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

Calibration pulses for GM1 SS3 H/H



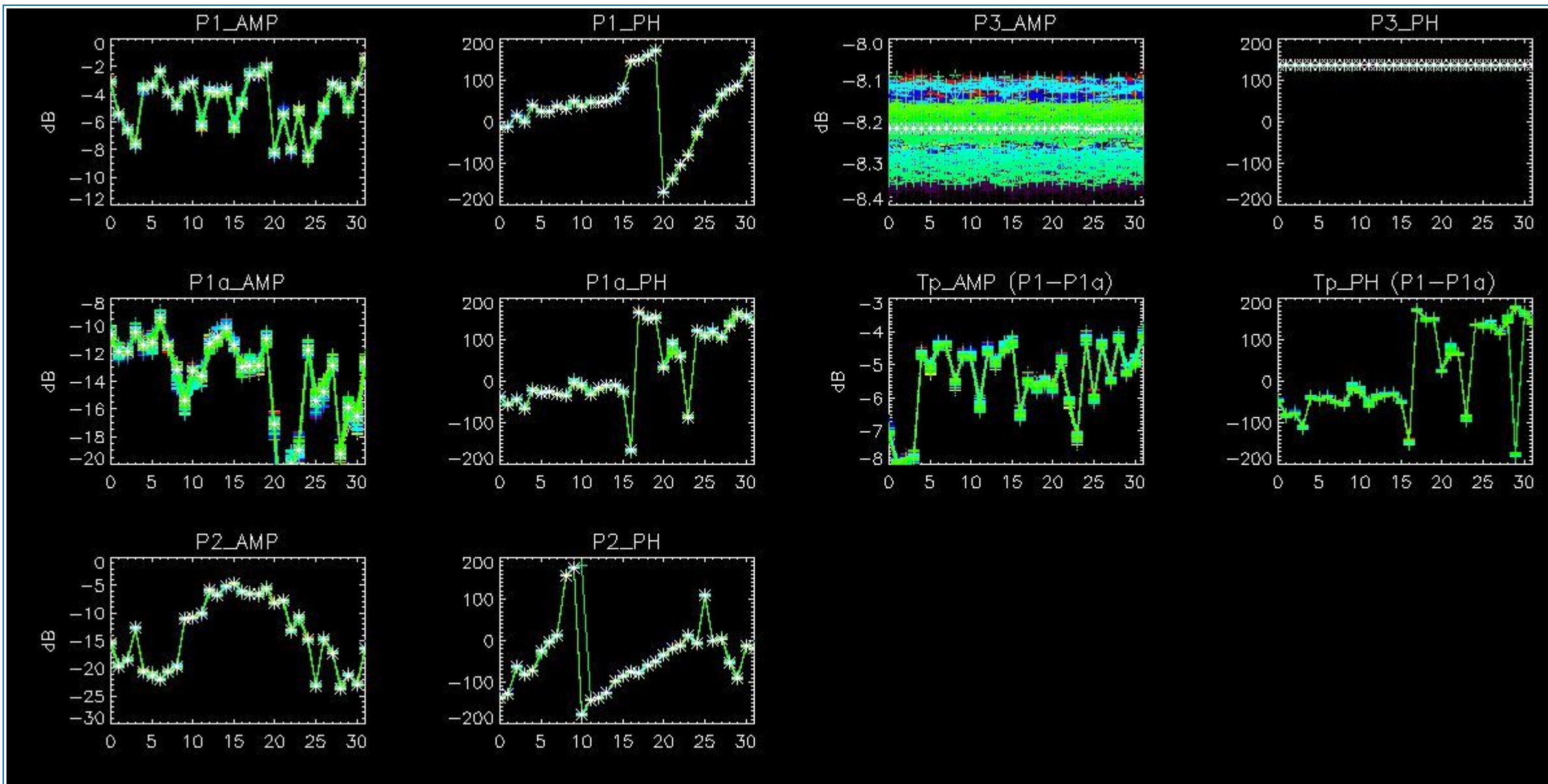
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[[BACK TO MENU](#)]





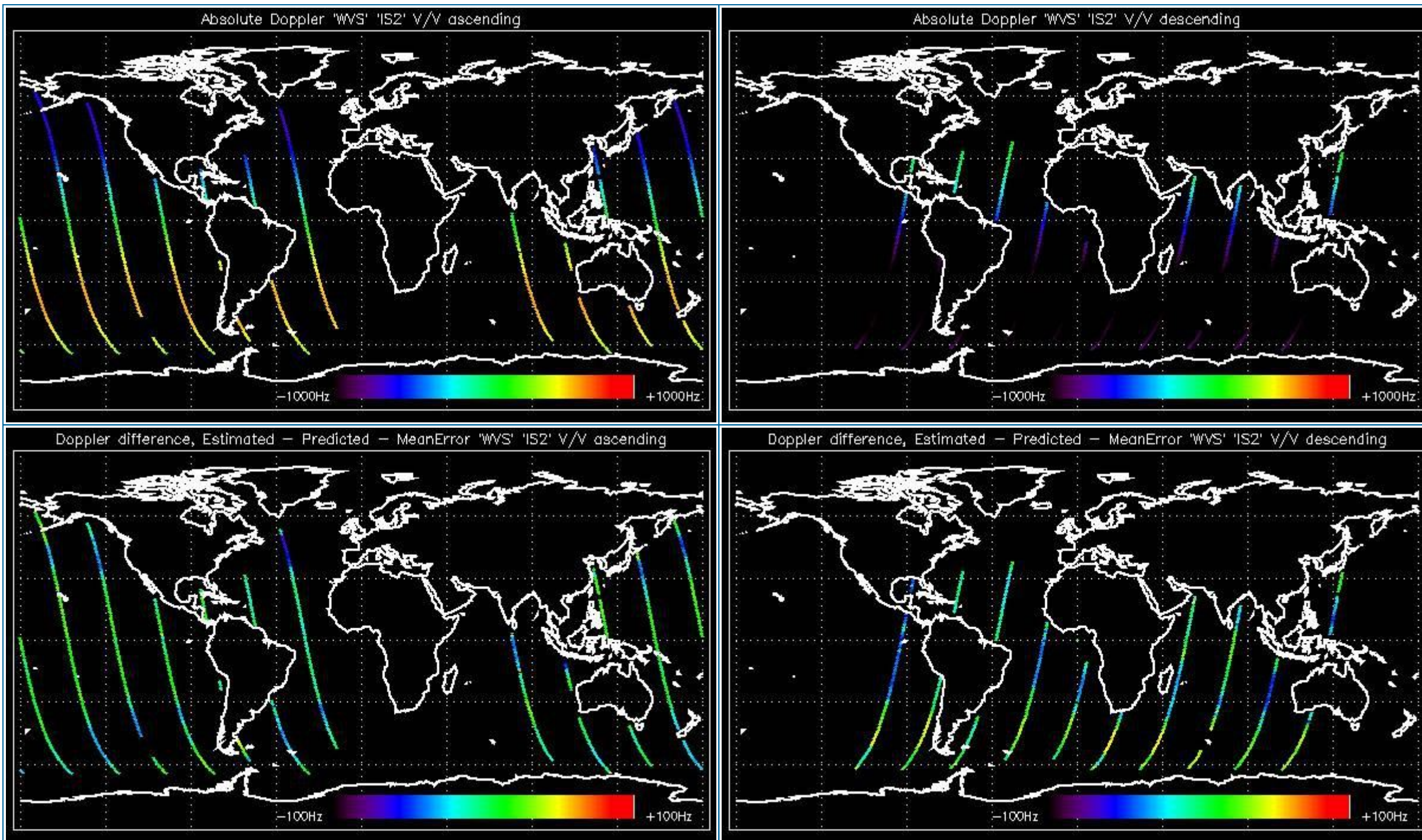
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

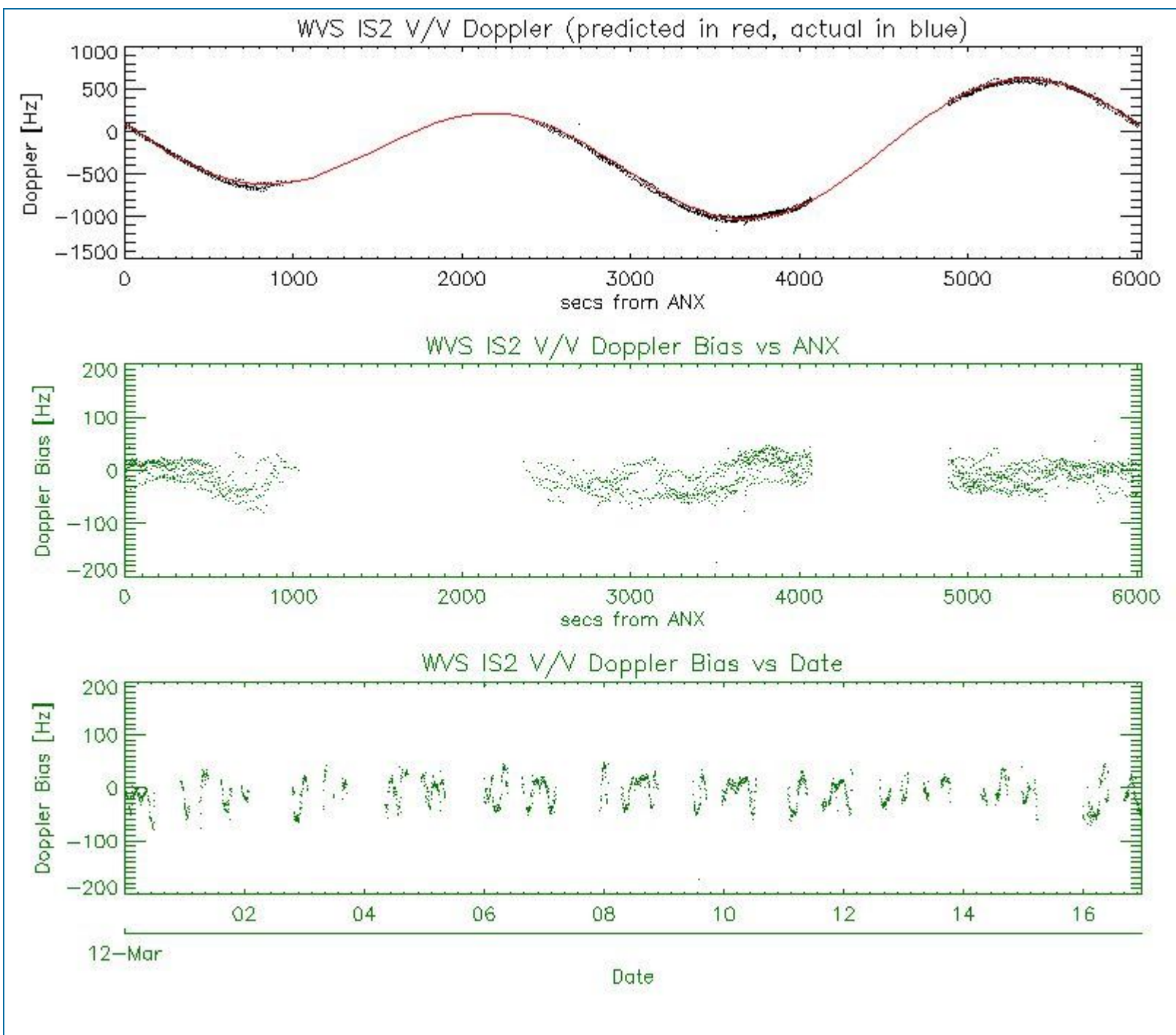




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]



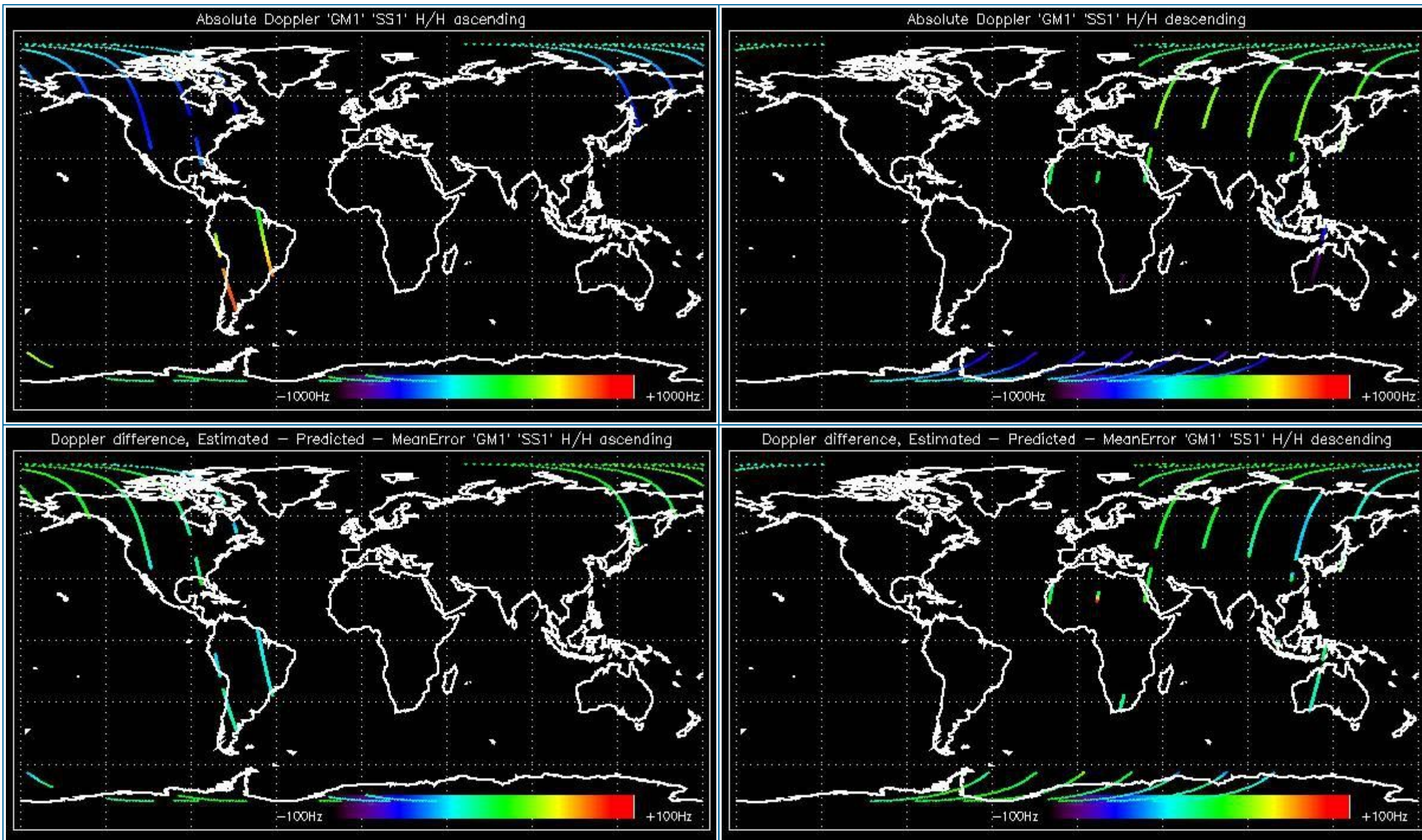


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

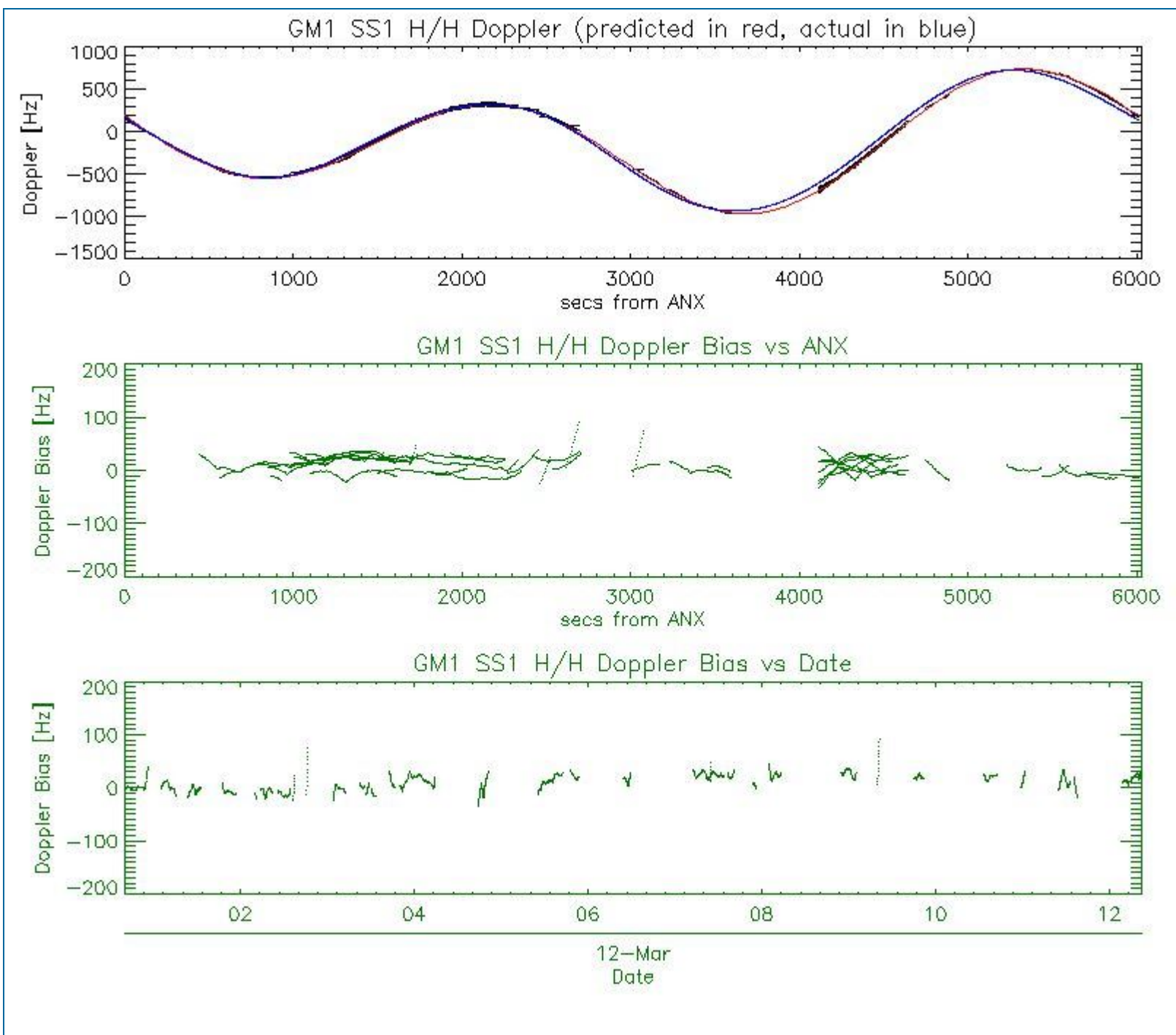




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

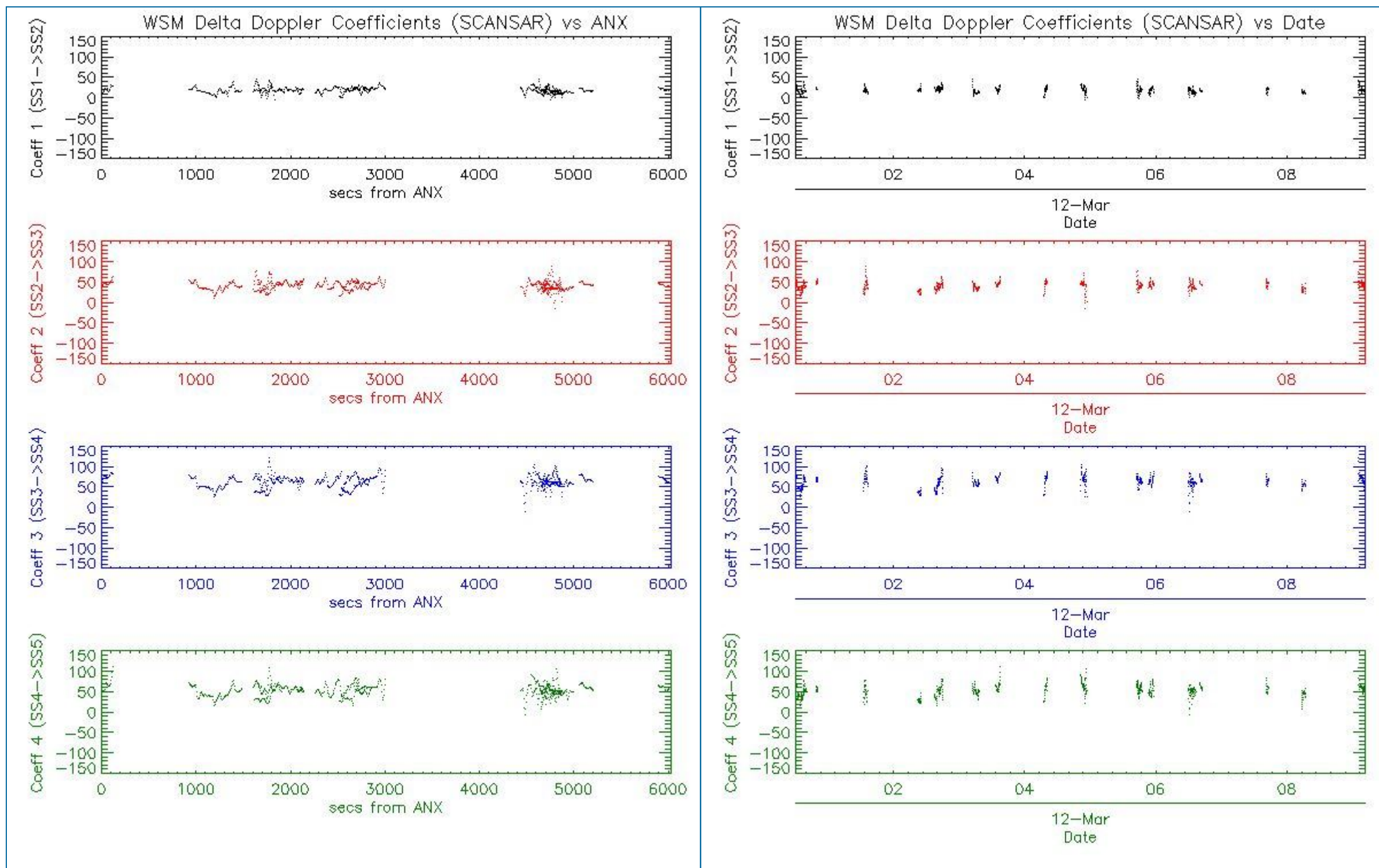




5.3 - Doppler JUMPS Analysis for WSM

[[BACK TO MENU](#)]



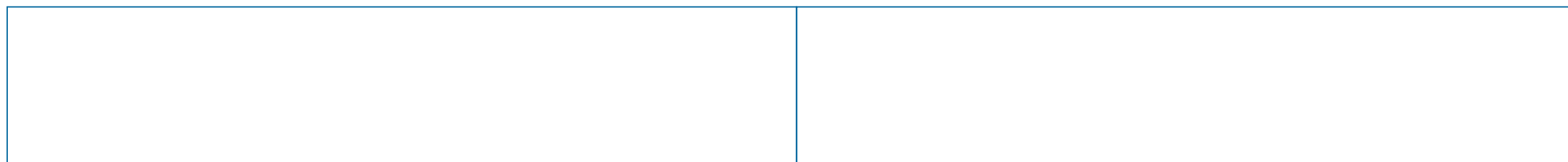


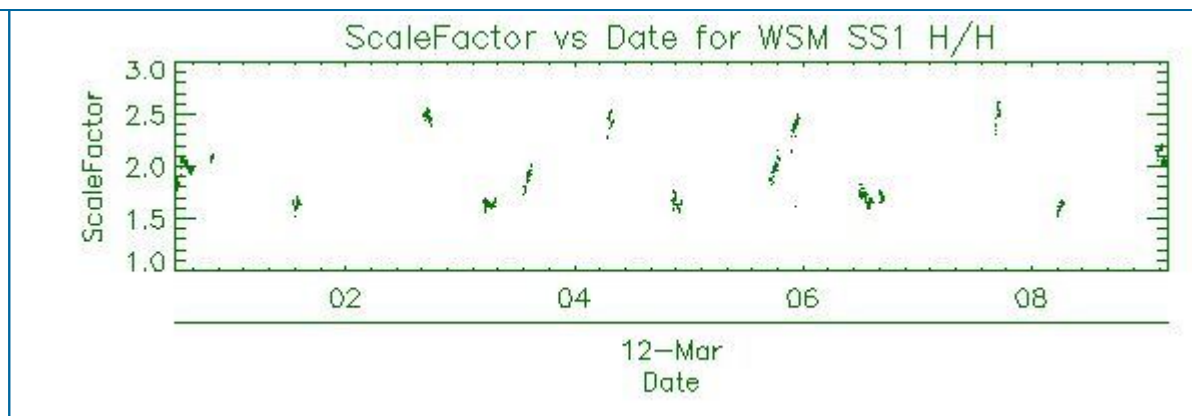
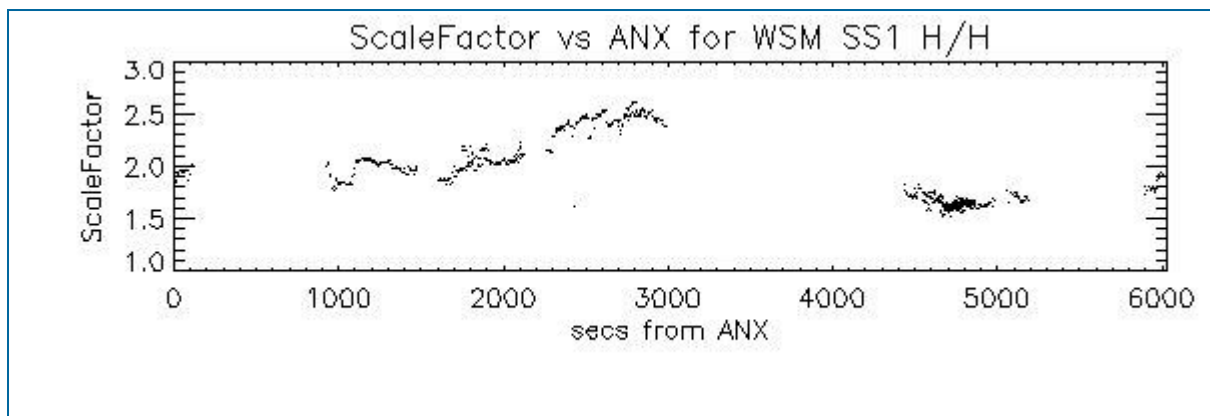
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[[BACK TO MENU](#)]

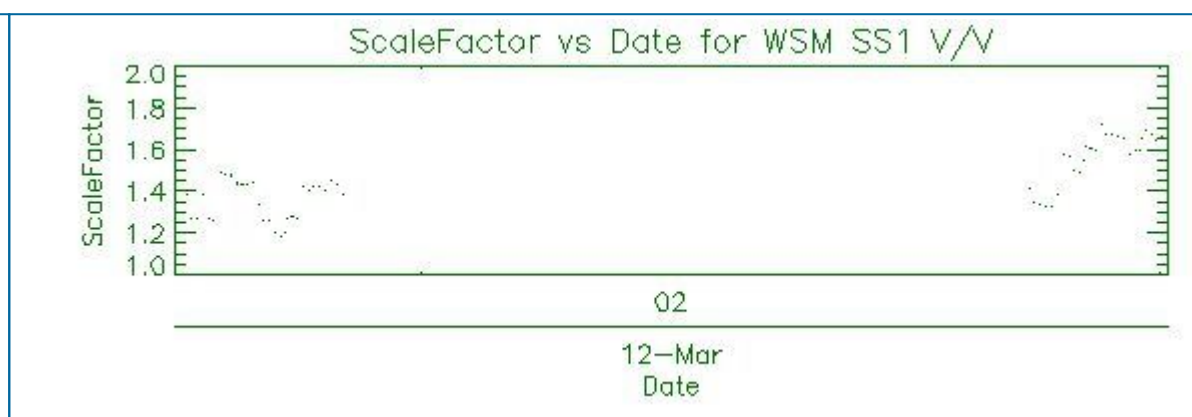
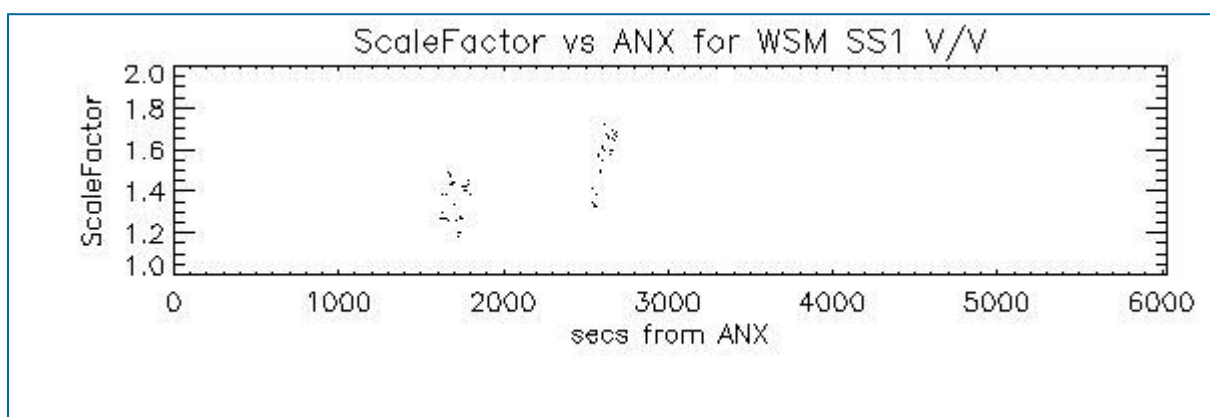




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[[BACK TO MENU](#)]

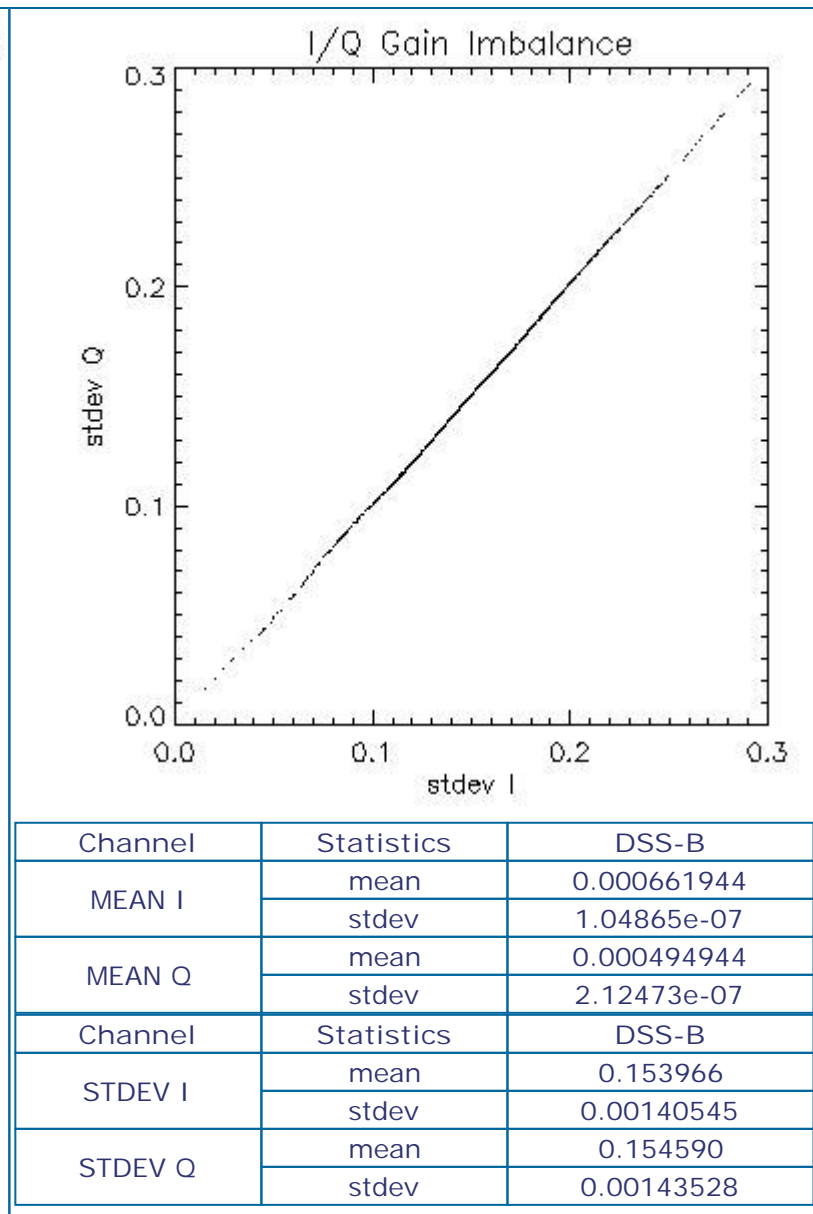
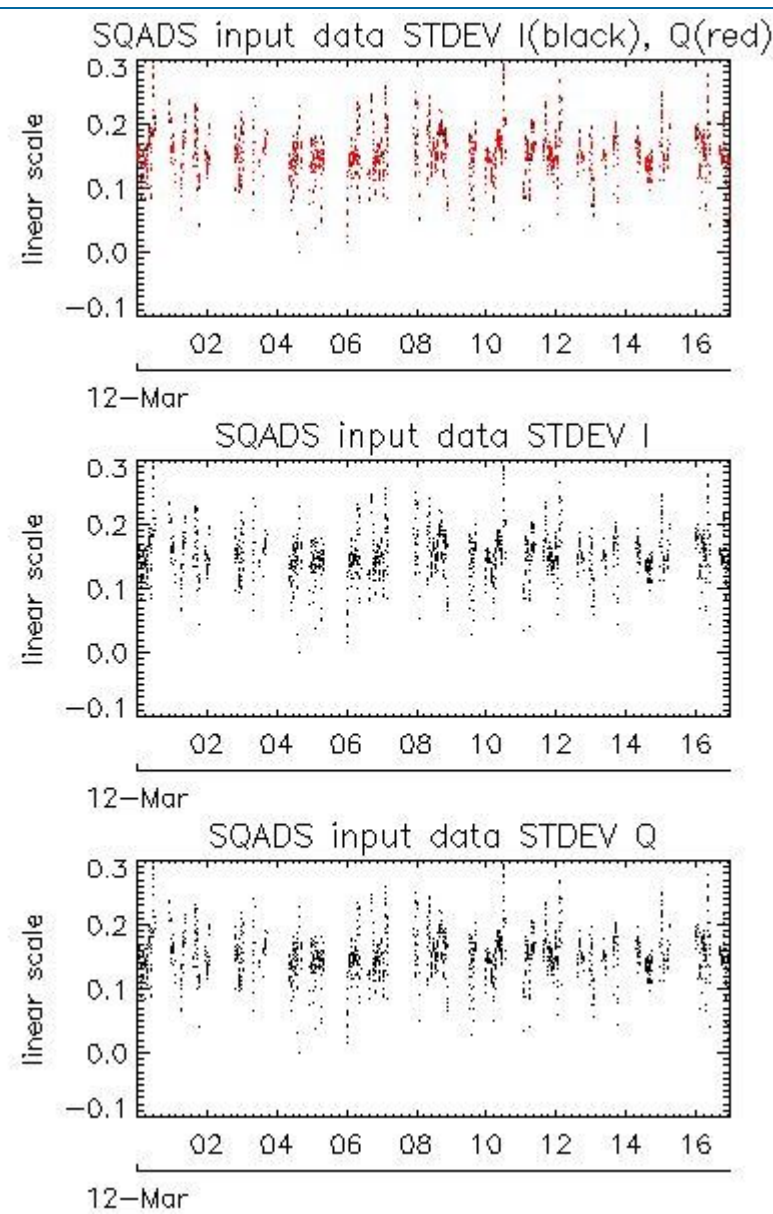
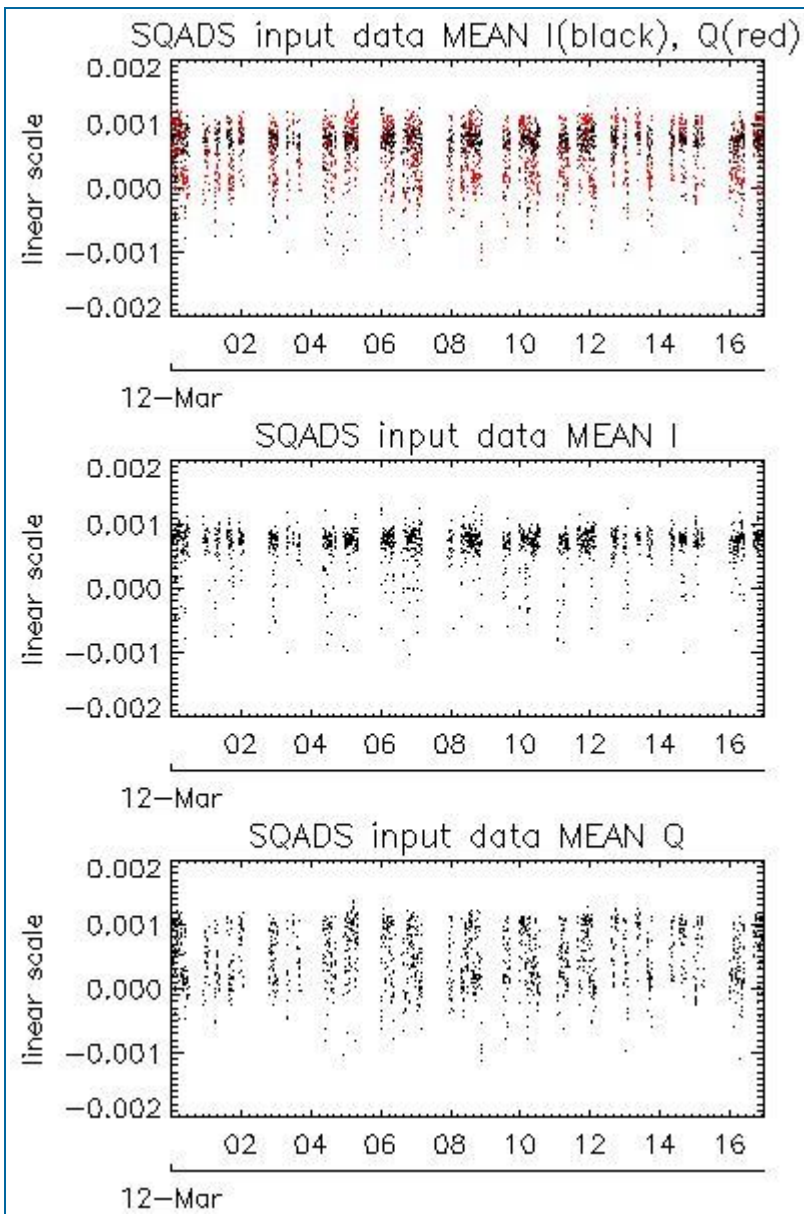


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

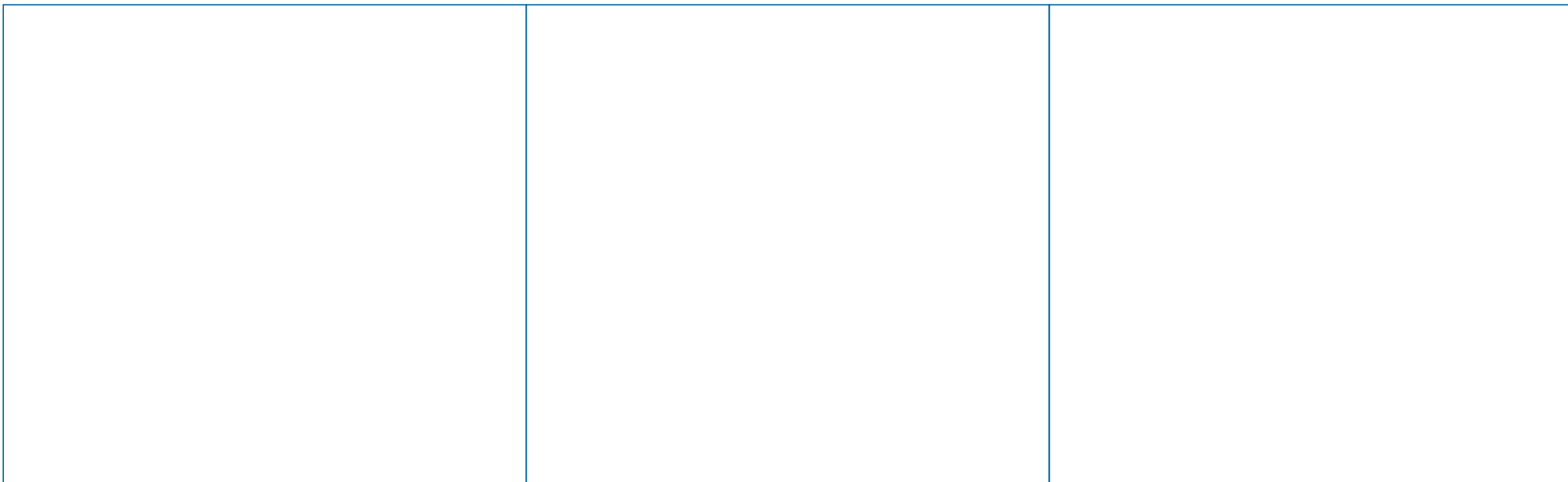
[[BACK TO MENU](#)]

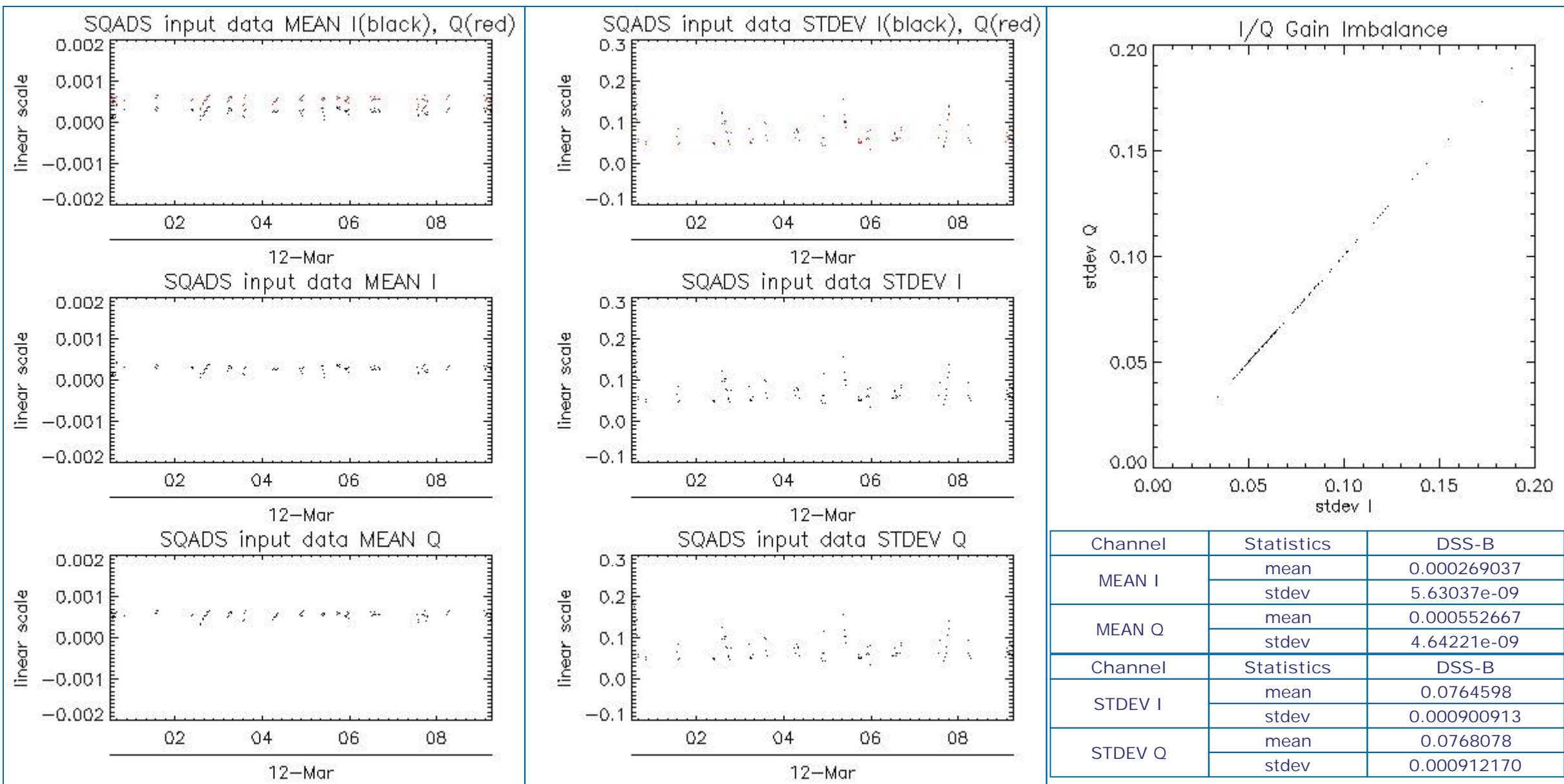
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7.2 - Analysis for IMM

[[BACK TO MENU](#)]



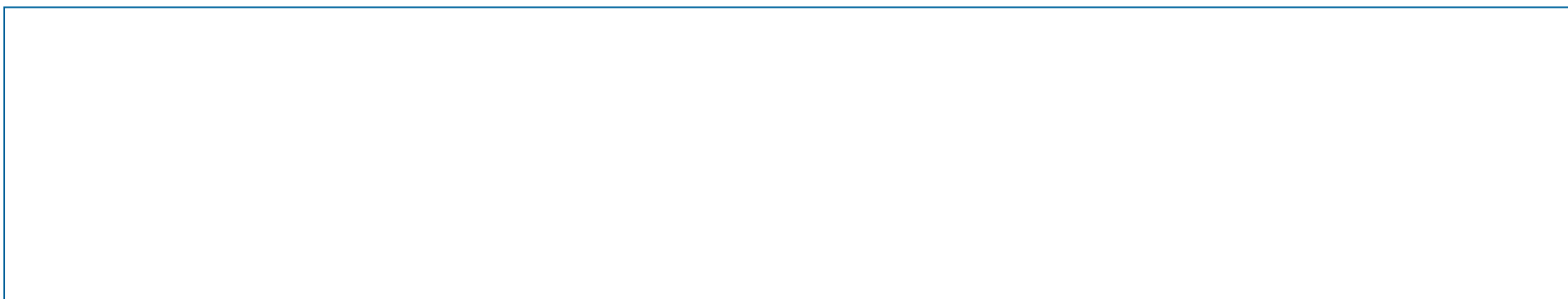


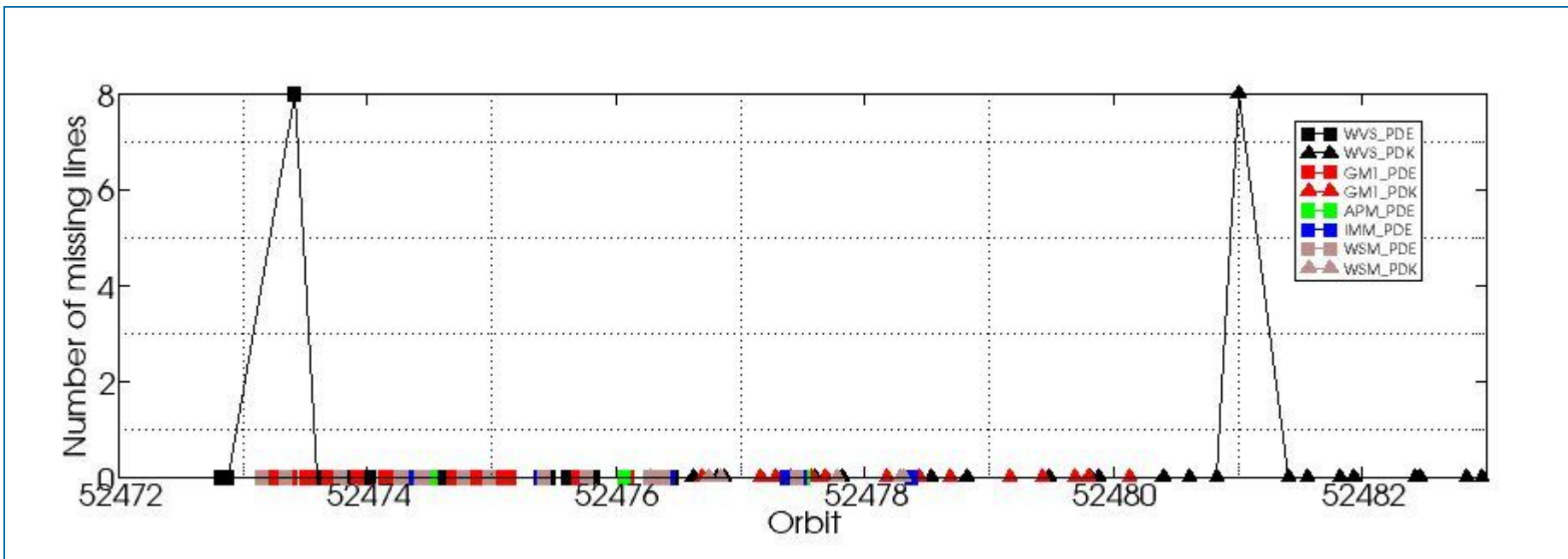
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WVS_1PNPDE20120312_005600_000004973112_00304_52473_1198.N1	0	8
PDE	ASA_WVS_1PNPDE20120312_013629_000003603112_00304_52473_1201.N1	1	0
PDE	ASA_WVS_1PNPDE20120312_024750_000004043112_00305_52474_1226.N1	1	0
PDE	ASA_WVS_1PNPDE20120312_055953_000010493112_00307_52476_1324.N1	1	0
PDK	ASA_WVS_1PNPDK20120312_133703_000005523112_00312_52481_7570.N1	0	8

8.1 - Number of Missing lines

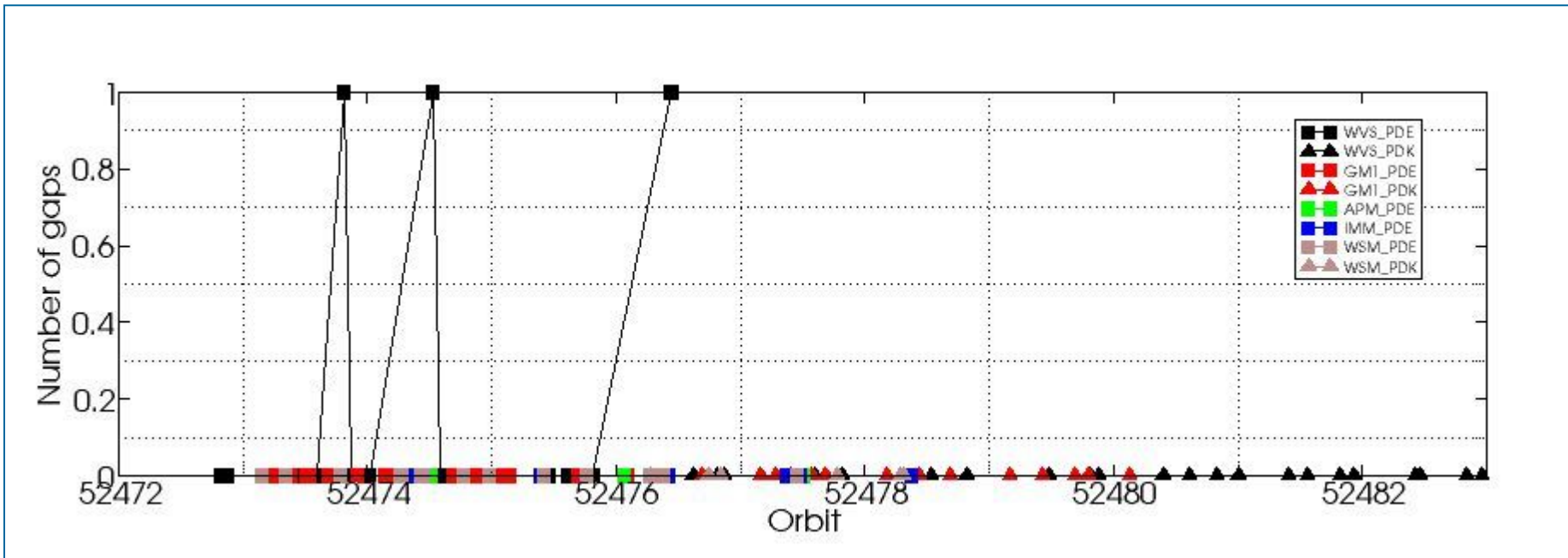
[BACK TO MENU]





8.2 - Number of Gaps

[\[BACK TO MENU \]](#)



```
#####  
ASAR DAILY REPORT for 120312  
#####
```

```
MODE: DAILY  
ANALYSIS: ALL  
DATE: 2012-03-12 00:00:00
```

```
Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01  
Results will be exported to the directory: ./RESULTS/DAILY/_120312/
```

DATA SUMMARY

```
#####  
Summary will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01  
Results will be exported to the directory: ./RESULTS/DAILY/_120312/DATA_SUMMARY
```

```
Creating directory ./RESULTS/DAILY/_120312/DATA_SUMMARY...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/Data_summary.html...
```

```
*****  
Getting WVS products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_WVS_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_WVS_products_used.txt...
```

```
*****  
Getting GM1 products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_GM1_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_GM1_products_used.txt...
```

```
*****  
Getting APM products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_APM_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_APM_products_used.txt...
```

```
*****  
Getting IMM products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_IMM_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_IMM_products_used.txt...
```

```
*****  
Getting WSM products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_WSM_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_WSM_products_used.txt...
```

```
*****  
Getting MS products list from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_MS_products_used.xls...  
Writing file ./RESULTS/DAILY/_120312/DATA_SUMMARY/List_MS_products_used.txt...
```

```
DATA SUMMARY completed  
#####
```

AUXILIARY FILES ANALYSIS

```
#####  
Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01  
Results will be exported to the directory: ./RESULTS/DAILY/_120312/AUXILIARY
```

```
Creating directory ./RESULTS/DAILY/_120312/AUXILIARY...
```

```
*****  
Looking for the IECF operational ADFs list...
```




ADF filter 20120312*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_120312/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01
Results will be exported to the directory: ./RESULTS/DAILY/_120312/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_120312/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_120312/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20120312_094315_000000163112_00309_52478_1074.N1
H
H

../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/TGH_20120312_094315-20010209_135042.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/TPH_20120312_094315-20010209_135042.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/RGH_20120312_094315-20010209_135042.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/RPH_20120312_094315-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20120312_112329_000000163112_00310_52479_1075.N1
V
V

../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/TGV_20120312_112329-20010209_140823.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/TPV_20120312_112329-20010209_140823.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/RGV_20120312_112329-20010209_140823.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/SECOND_REFERENCE/RPV_20120312_112329-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20120311_102000_000000163112_00295_52464_1072.N1
Test product: ASA_MS__0PNPDK20120312_094315_000000163112_00309_52478_1074.N1
H
H

../../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20120312_094315-20120311_102000.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20120312_094315-20120311_102000.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20120312_094315-20120311_102000.png
../../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20120312_094315-20120311_102000.png

Polarization: V
Reference product: ASA_MS__0PNPDK20120311_120014_000000163112_00296_52465_1073.N1
Test product: ASA_MS__0PNPDK20120312_112329_000000163112_00310_52479_1075.N1

V
V
../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20120312_112329-20120311_120014.png
../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20120312_112329-20120311_120014.png
../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20120312_112329-20120311_120014.png
../RESULTS/DAILY/_120312/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20120312_112329-20120311_120014.png

MODULE_STEPPING ANALYSIS completed
#####

CALIBRATION PULSES ANALYSIS
#####

Creating directory ./RESULTS/DAILY/_120312/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Analysing products WVS IS2 V/V
1 60641 7 60641
Writing image ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...
Analysing products GM1 SS3 H/H
1 18369 7 18369
Writing image ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Analysing products WVS IS2 V/V
Getting calibration pulses data for WVS IS2 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2012-03-12_1.dat...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2012-03-12_2.dat...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2012-03-12_3.dat...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2012-03-12_4.dat...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_4.png...

Analysing products GM1 SS3 H/H
Getting calibration pulses data for GM1 SS3 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2012-03-12_1.dat...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...
Writing ../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2012-03-12_2.dat...

Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...
Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2012-03-12_3.dat...
Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_120312/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2012-03-12_4.dat...
Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_120312//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_120312/DOPPLER...

DOPPLER ANX Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...
Writing file ./RESULTS/DAILY/_120312/DOPPLER/Doppler_data_WVS_IS2_VV_2012-03-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_120312/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...
Writing file ./RESULTS/DAILY/_120312/DOPPLER/Doppler_data_GM1_SS1_HH_2012-03-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_120312/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Analysing by default products WSM
Getting doppler jumps data for WSM from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...
Writing file ./RESULTS/DAILY/_120312/DOPPLER/Doppler_Jumps_data_WSM_2012-03-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_120312/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_120312/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Analysing products WVS IS2 V/V

714
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.WV_2
Phase: descending
Found data...



```
Computing mean error doppler estimated-predicted...
Mean error = -11.231532 Hz
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...
```

```
1183
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.WV_2
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -7.1965662 Hz
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_asc.jpg...
```

Analysing products GM1 SS1 H/H

```
1282
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.GM_1
Phase: descending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = 10.504859 Hz
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

```
1053
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.GM_1
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = 10.476522 Hz
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_120312//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

```
DOPPLER ANALYSIS completed
#####
```

```
CHIRP ANALYSIS
#####
```

```
Creating directory ./RESULTS/DAILY/_120312/CHIRP...
```

```
*****
*****
```

```
CHIRP Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01
```

Analysing products WSM SS1 H/H

```
Getting ScaleFactor data for WSM SS1 H/H from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...
Writing file ./RESULTS/DAILY/_120312/CHIRP/ScaleFactor_data_WSM_SS1_HH_2012-03-12.dat...
Running IDL program...
```


Writing file ../../RESULTS/DAILY/_120312/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_120312/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...

Analysing products WSM SS1 V/V

Getting ScaleFactor data for WSM SS1 V/V from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...

Writing file ./RESULTS/DAILY/_120312/CHIRP/ScaleFactor_data_WSM_SS1_VV_2012-03-12.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/_120312/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...

Writing file ../../RESULTS/DAILY/_120312/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

#####

Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Results will be exported to the directory: ./RESULTS/DAILY/_120312/RAW_DATA

Creating directory ./RESULTS/DAILY/_120312/RAW_DATA...

Getting raw data for WVS from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...

Writing file ./RESULTS/DAILY/_120312/RAW_DATA/Raw_data_WVS_2012-03-12.dat...

Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_WVS_input_mean.png...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_WVS_input_stdev.png...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2012-03-12 00:00:00 to 2012-03-12 20:01:01...

Writing file ./RESULTS/DAILY/_120312/RAW_DATA/Raw_data_IMM_2012-03-12.dat...

Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_IMM_input_mean.png...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_IMM_input_stdev.png...

Creating image ../../RESULTS/DAILY/_120312/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2012-03-12 00:00:00 to 2012-03-12 20:01:01

Results will be exported to the directory: ./RESULTS/DAILY/_120312/TELEMETRY

Creating directory ./RESULTS/DAILY/_120312/TELEMETRY...

Looking for gaps and missing lines in WVS products...

Checking 17 products from PDE...

Found product...ASA_WVS_1PNPDE20120312_005600_000004973112_00304_52473_1198.N1 / 0 gaps / 8 missing lines

Found product...ASA_WVS_1PNPDE20120312_013629_000003603112_00304_52473_1201.N1 / 1 gaps / 0 missing lines

Found product...ASA_WVS_1PNPDE20120312_024750_000004043112_00305_52474_1226.N1 / 1 gaps / 0 missing lines

Found product...ASA_WVS_1PNPDE20120312_055953_000010493112_00307_52476_1324.N1 / 1 gaps / 0 missing lines

Checking 23 products from PDK...

Found product...ASA_WVS_1PNPDK20120312_133703_000005523112_00312_52481_7570.N1 / 0 gaps / 8 missing lines

Looking for gaps and missing lines in GM1 products...

Checking 20 products from PDE...
Checking 14 products from PDK...

Looking for gaps and missing lines in APM products...

Checking 3 products from PDE...
No products from PDK...

Looking for gaps and missing lines in IMM products...

Checking 6 products from PDE...
No products from PDK...

Looking for gaps and missing lines in WSM products...

Checking 13 products from PDE...
Checking 6 products from PDK...

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/_120312/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_120312/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

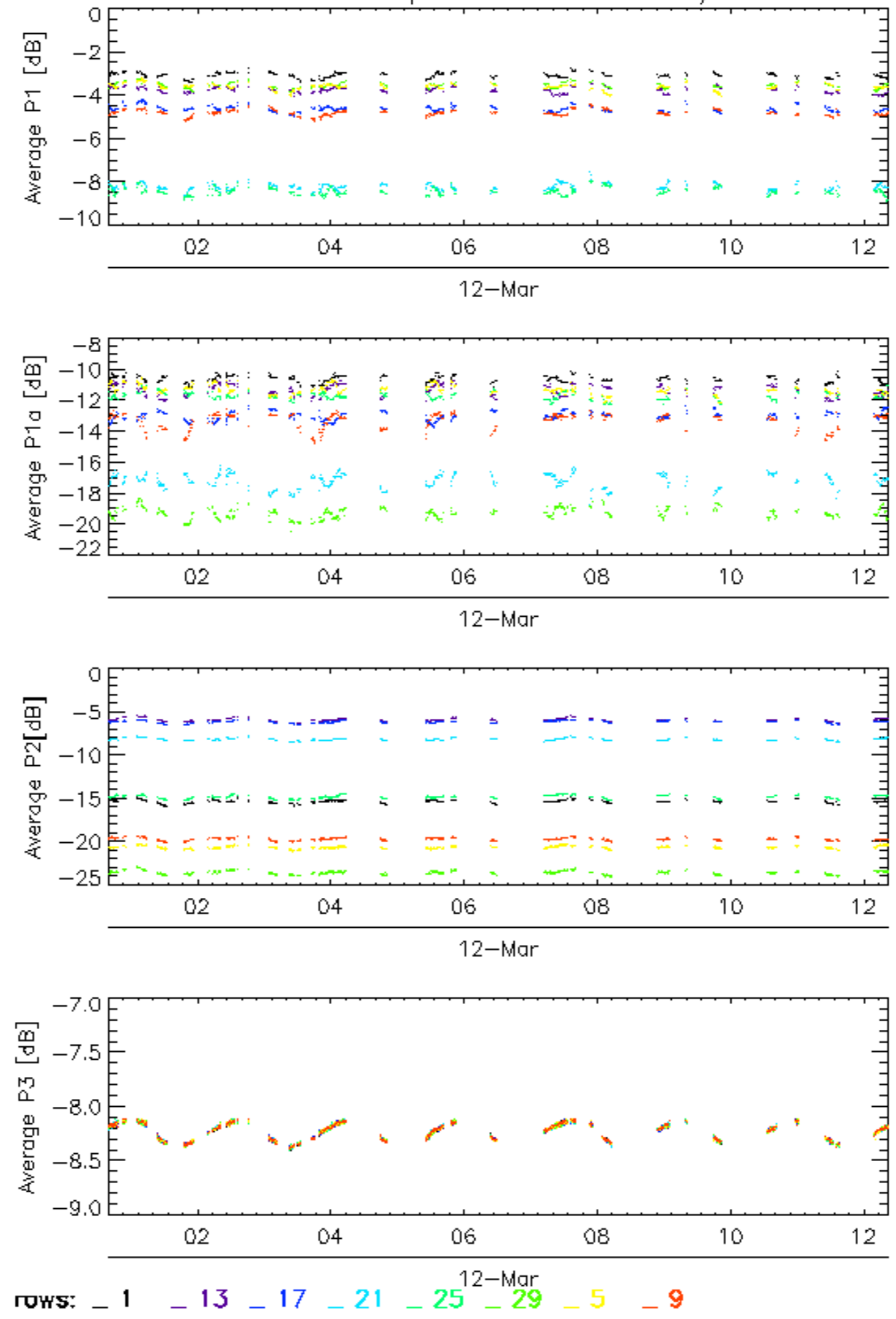
HTML REPORT generation
#####

Building file ./RESULTS/DAILY/_120312/asarReport.html...
Building DATA SUMMARY section...
Building AUXILIARY FILES ANALYSIS section...
Building MODULE STEPPING ANALYSIS section...
Building CALIBRATION PULSES ANALYSIS section...
Building DOPPLER ANALYSIS section...
Building CHIRP ANALYSIS section...
Building RAW DATA ANALYSIS section...
Building TELEMETRY ANALYSIS section...

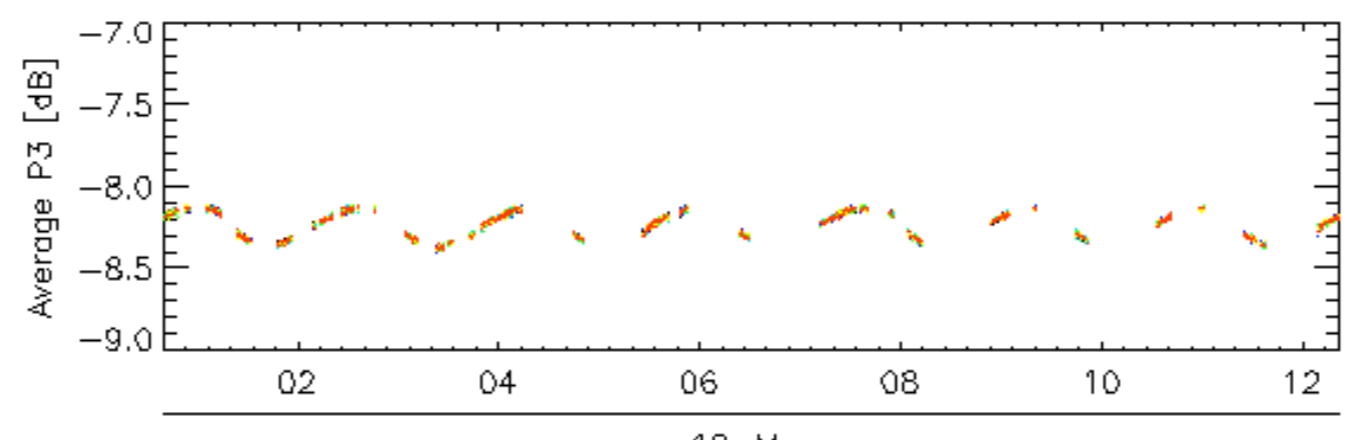
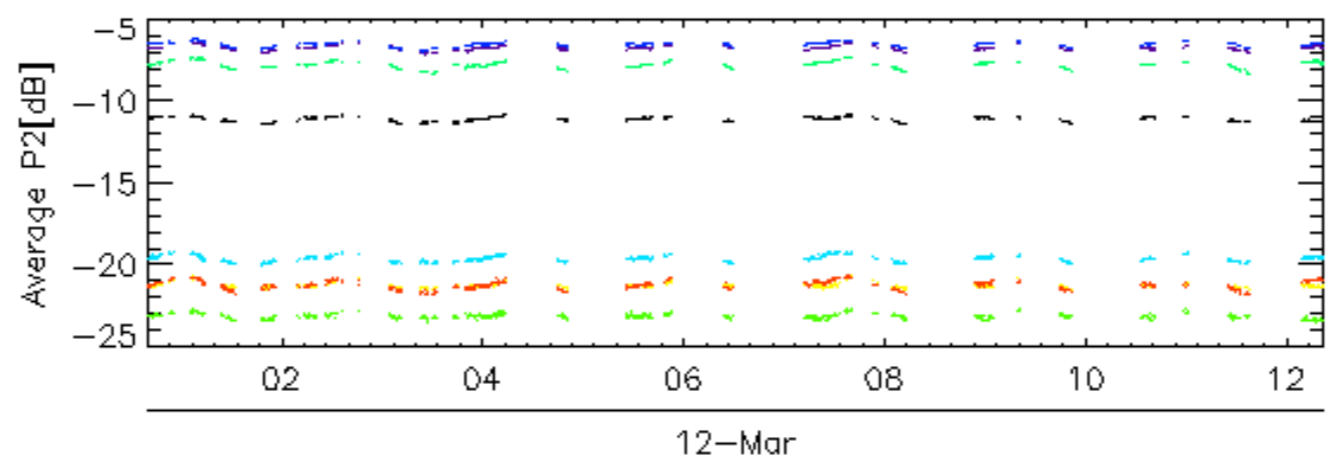
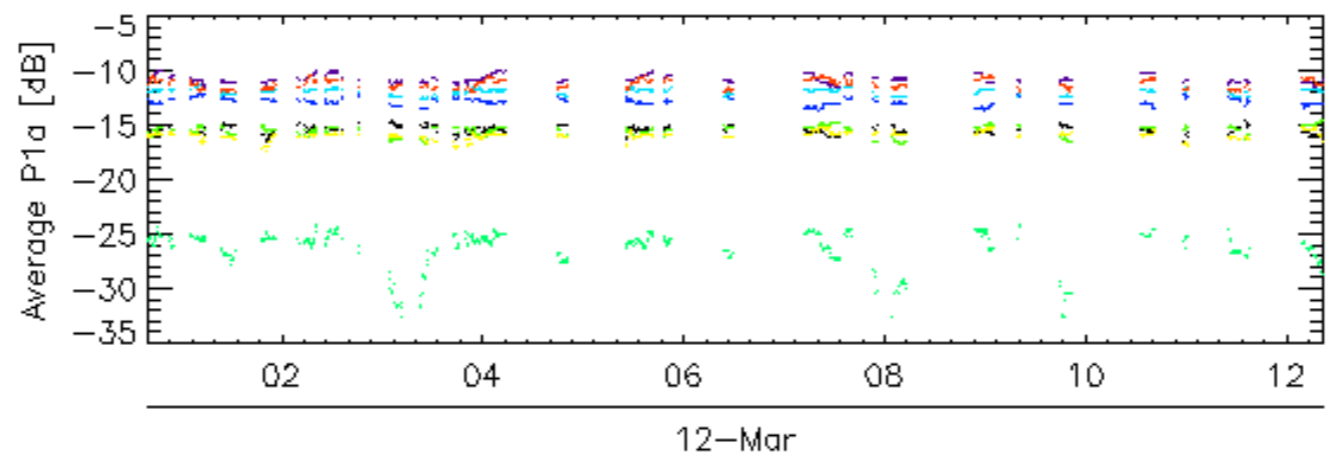
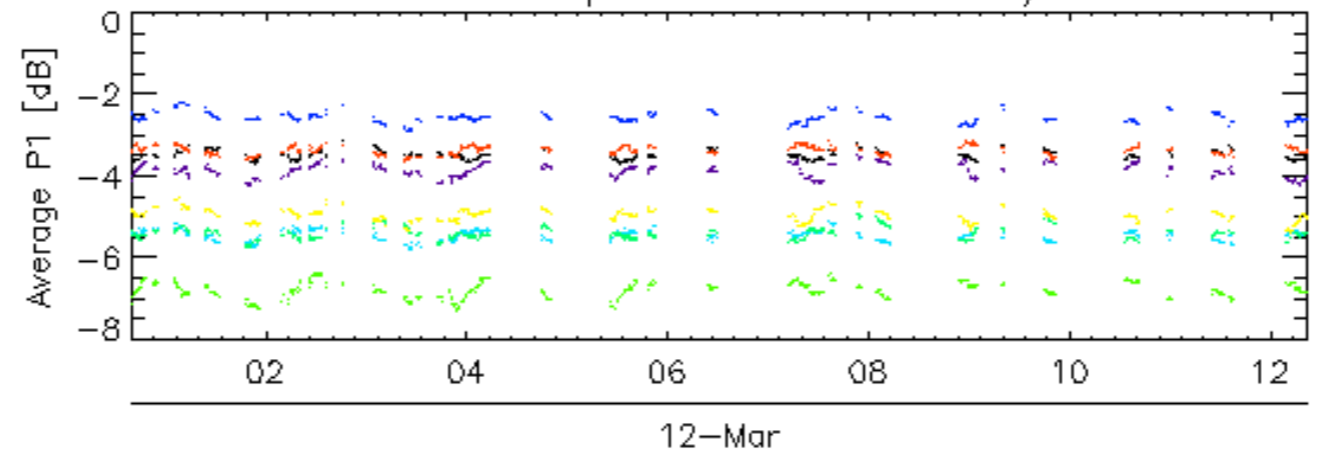
HTML REPORT generation completed
#####



Calibration pulses for GM1 SS3 H/H

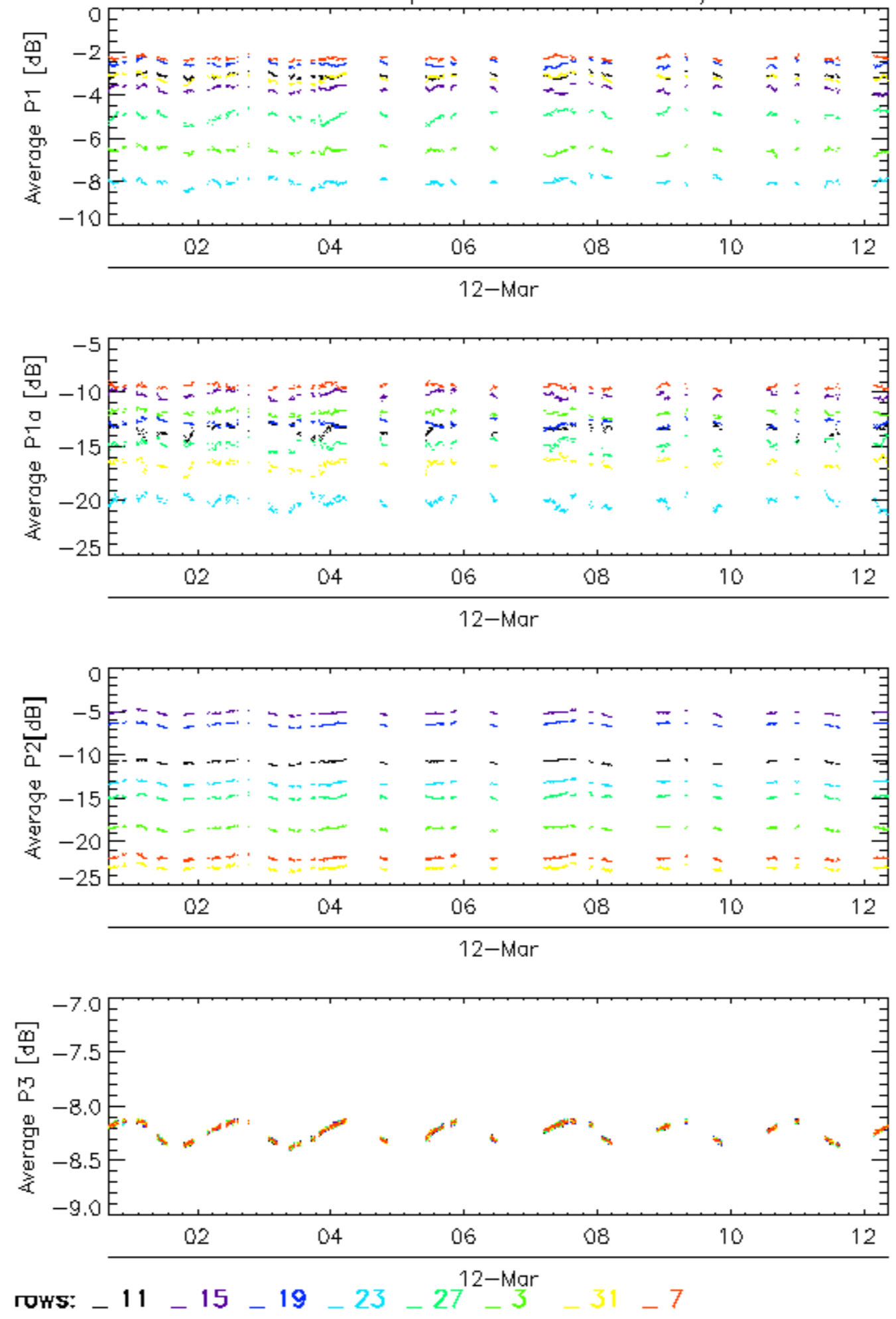


Calibration pulses for GM1 SS3 H/H

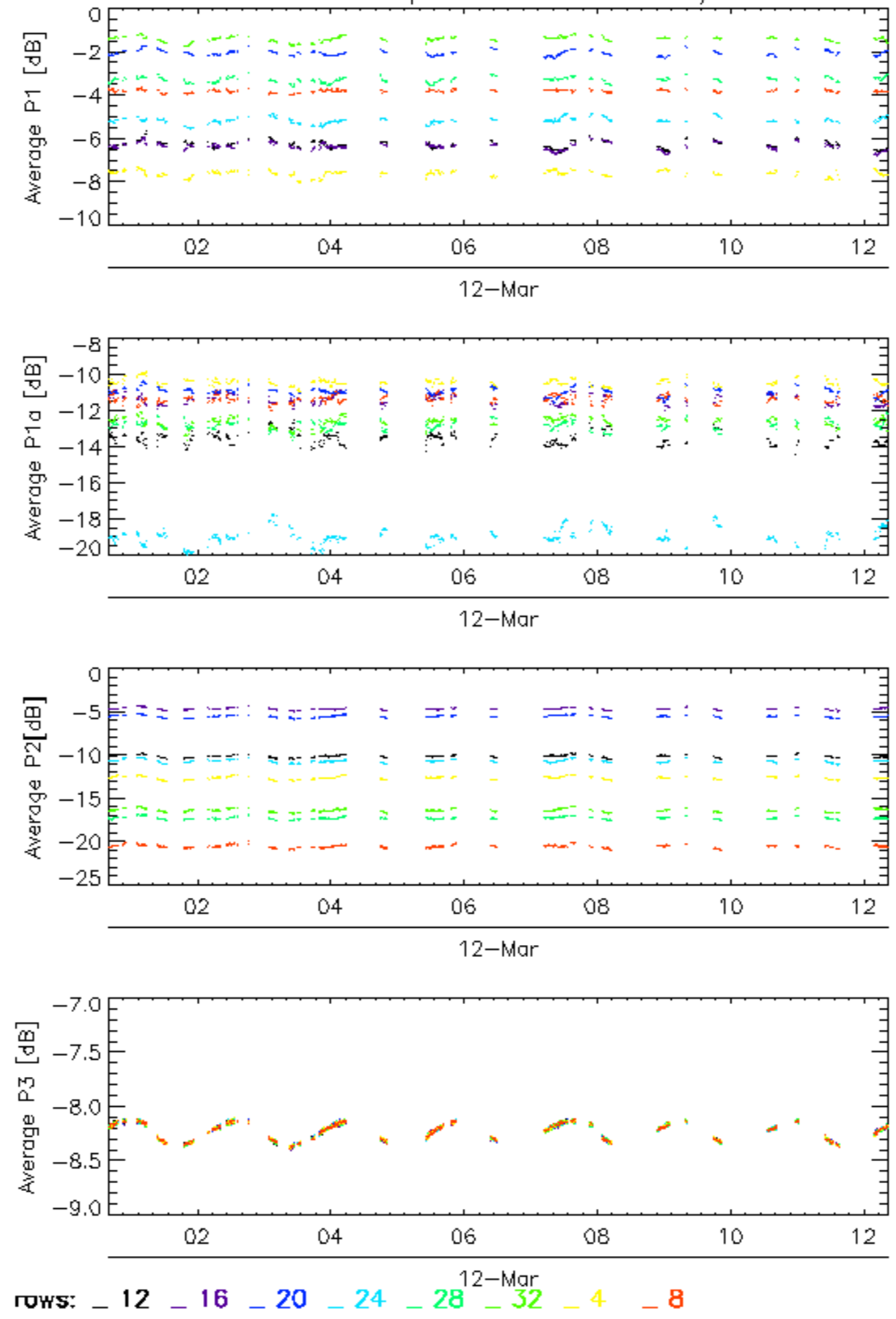


rows: 10 14 18 2 22 26 30 6

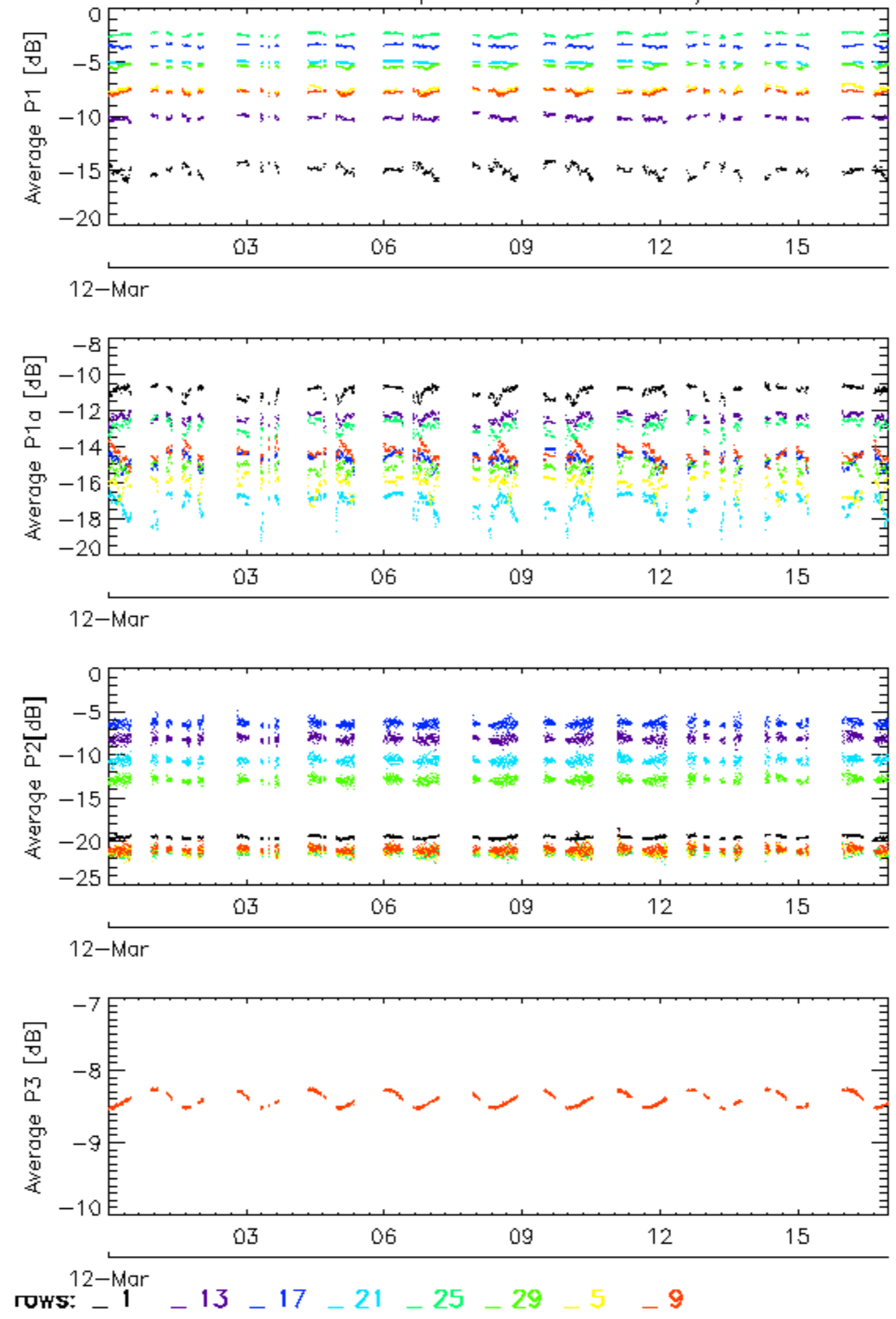
Calibration pulses for GM1 SS3 H/H



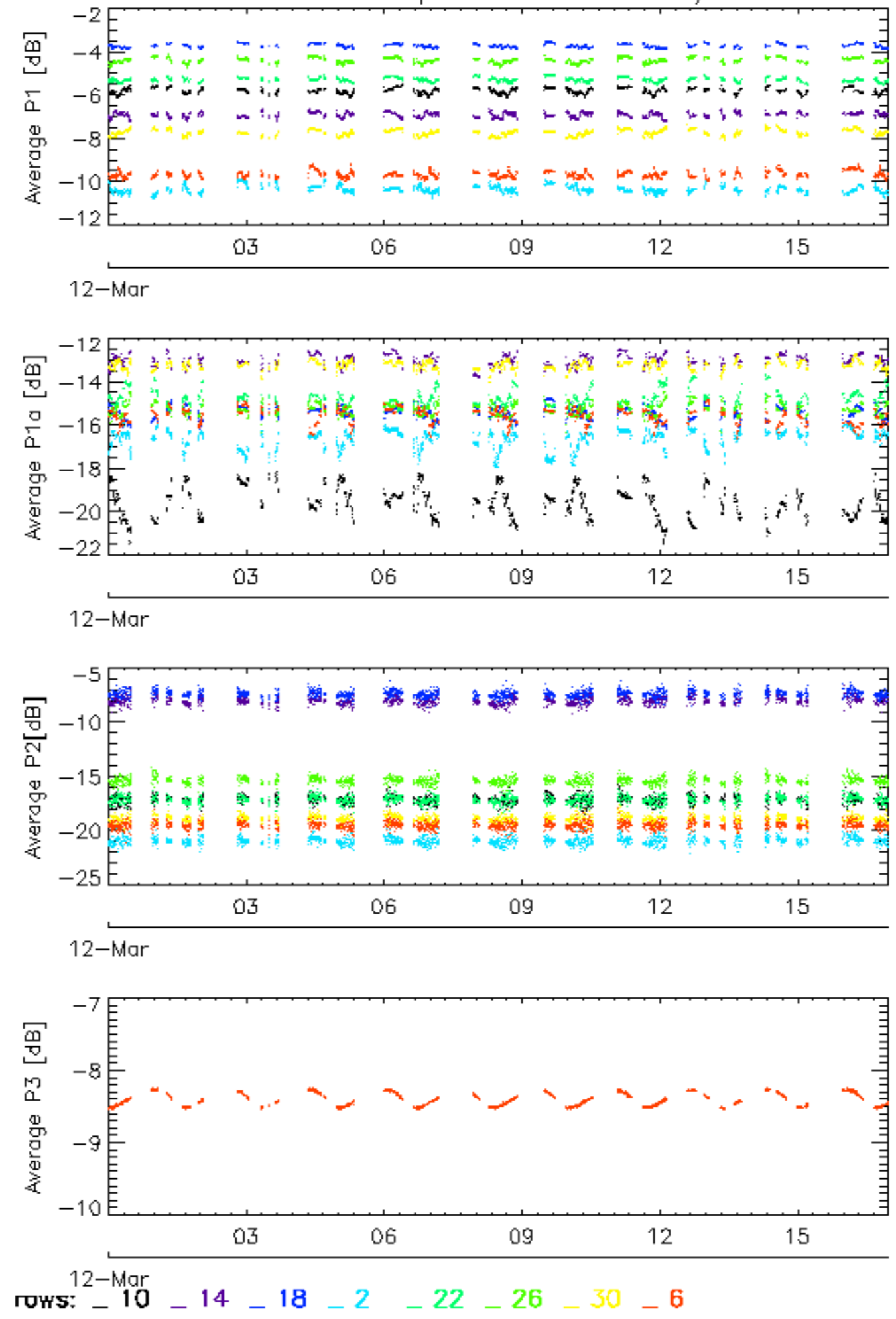
Calibration pulses for GM1 SS3 H/H



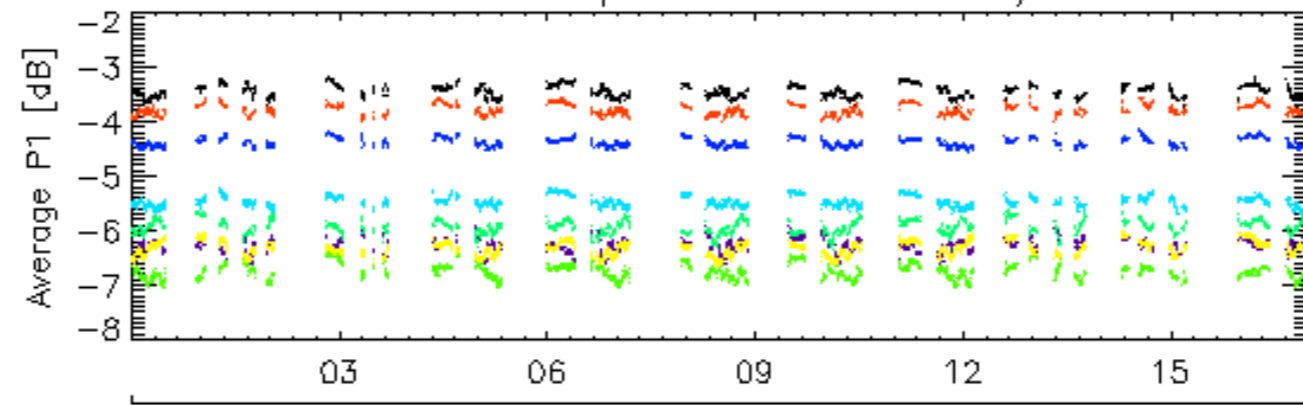
Calibration pulses for WVS IS2 V/V



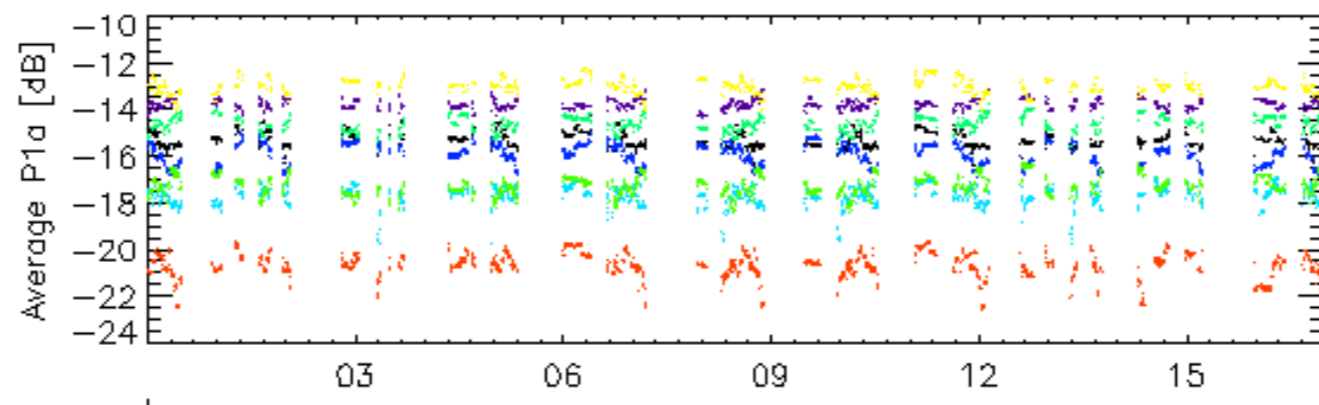
Calibration pulses for WVS IS2 V/V



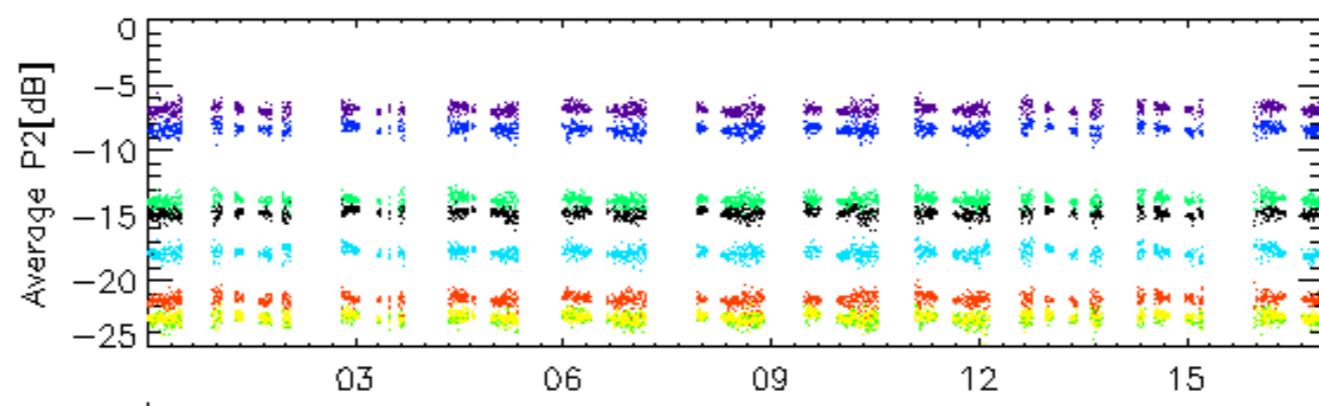
Calibration pulses for WVS IS2 V/V



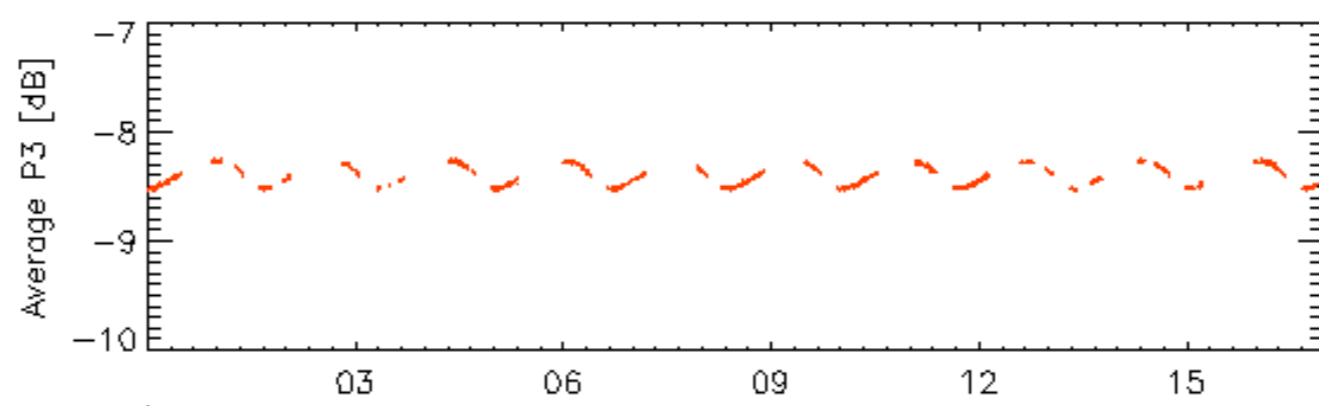
12-Mar



12-Mar



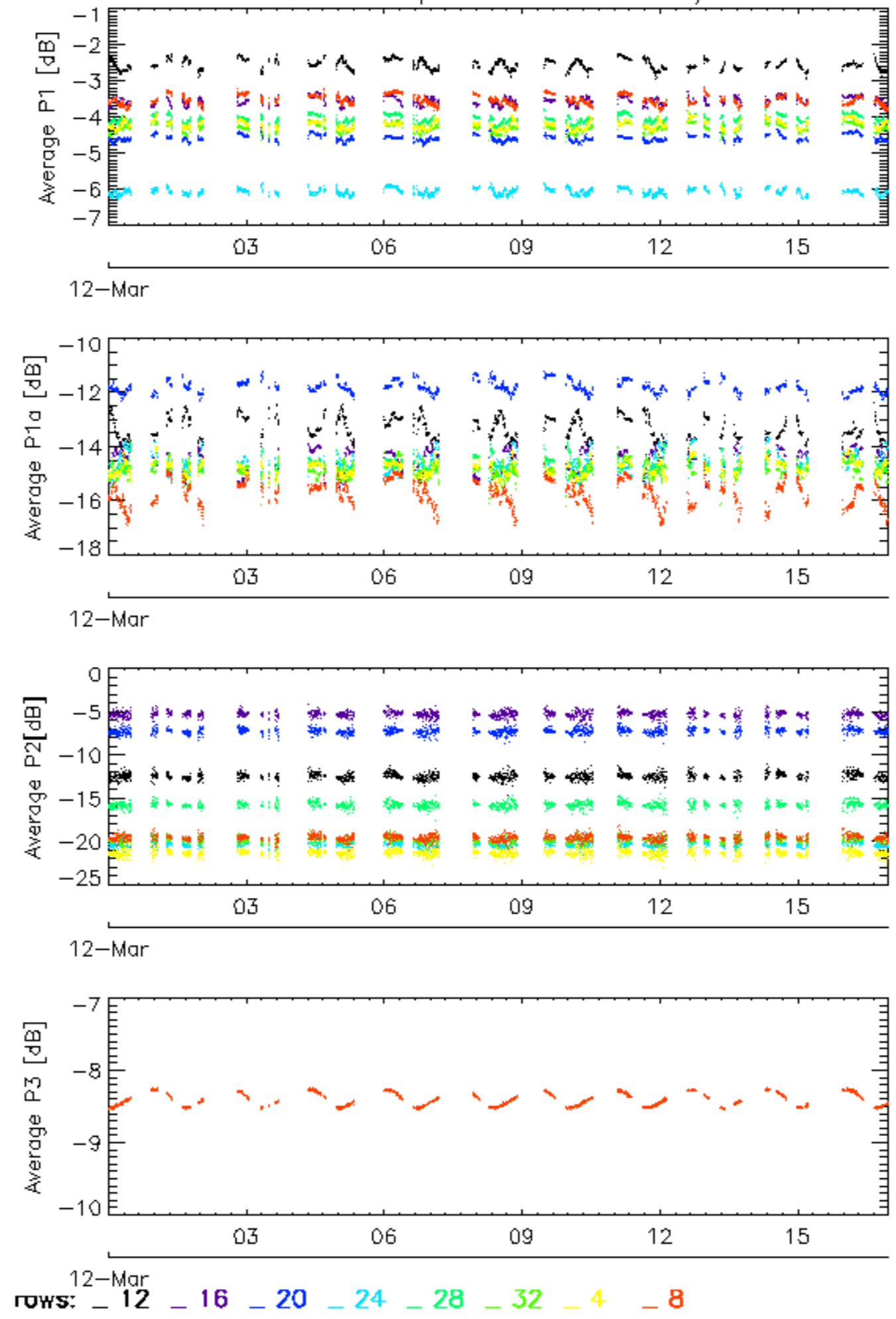
12-Mar

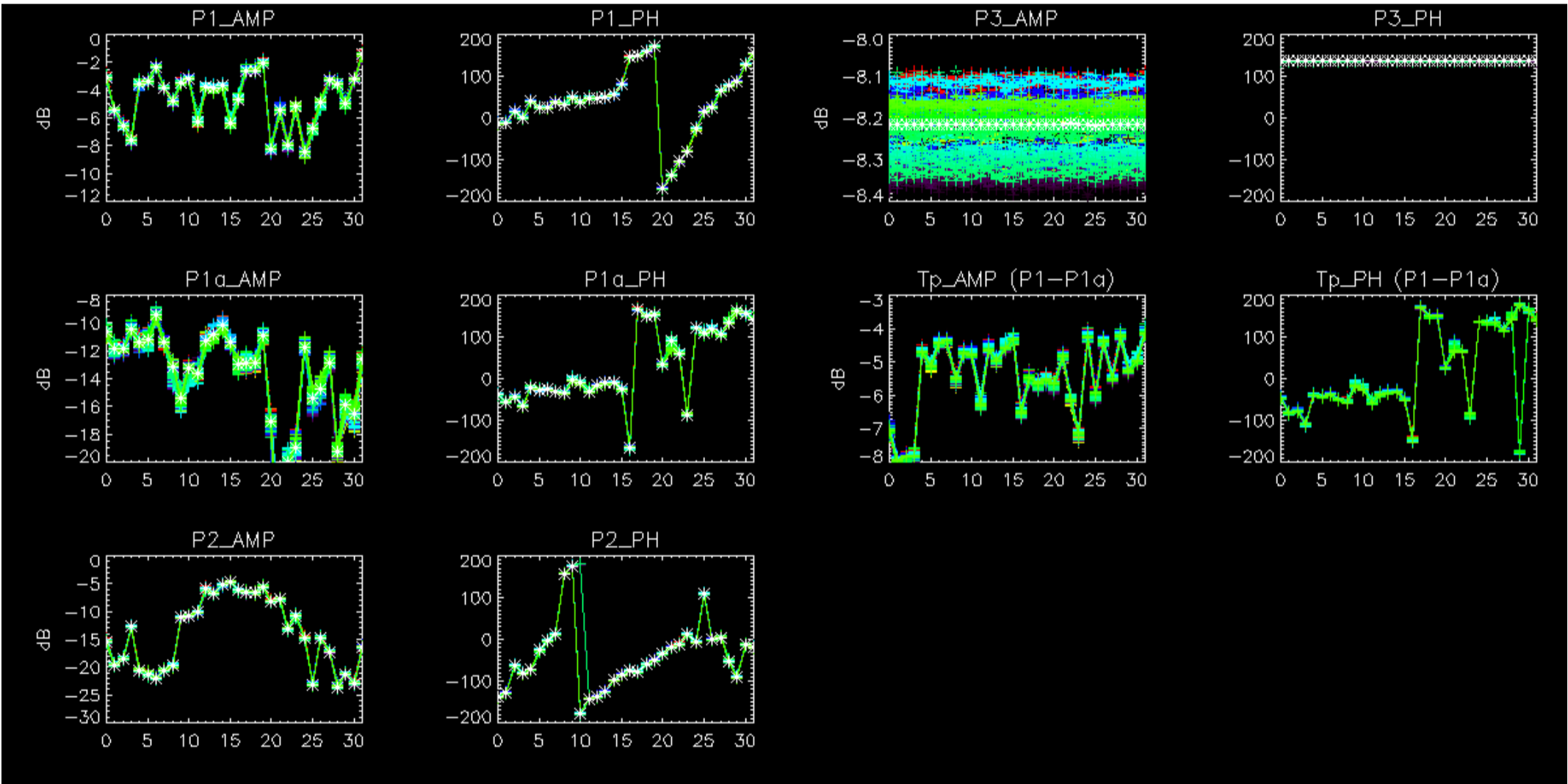


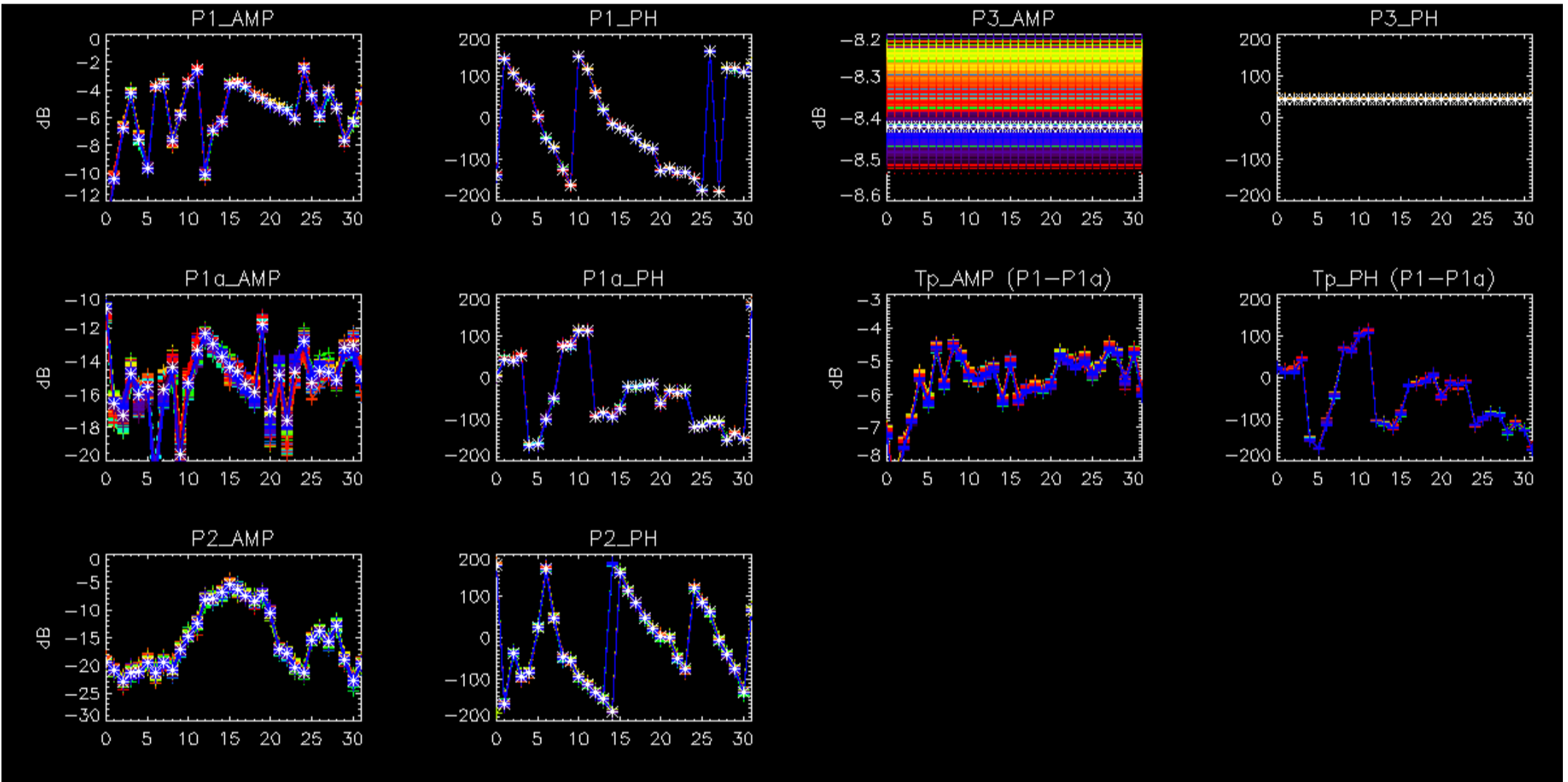
12-Mar

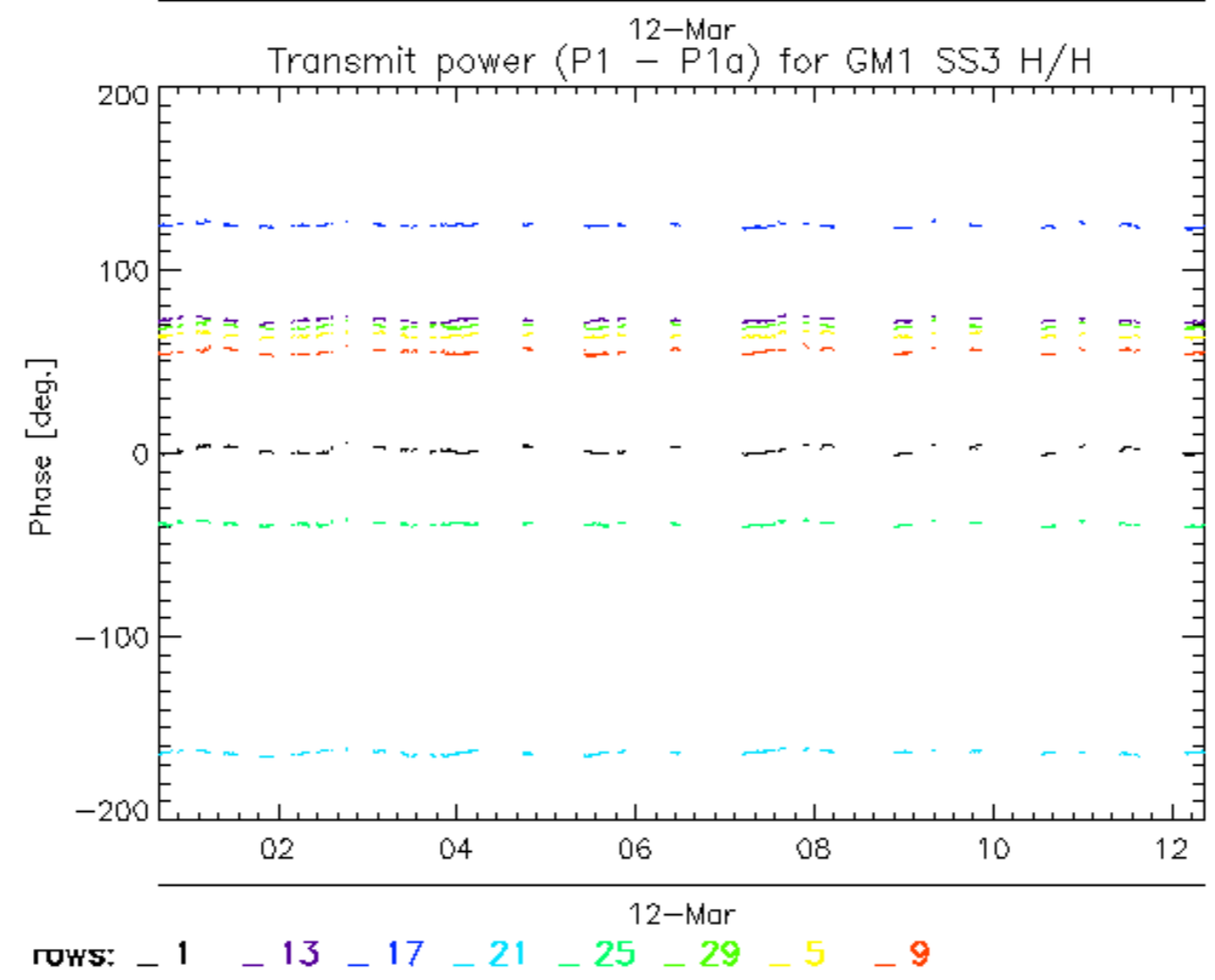
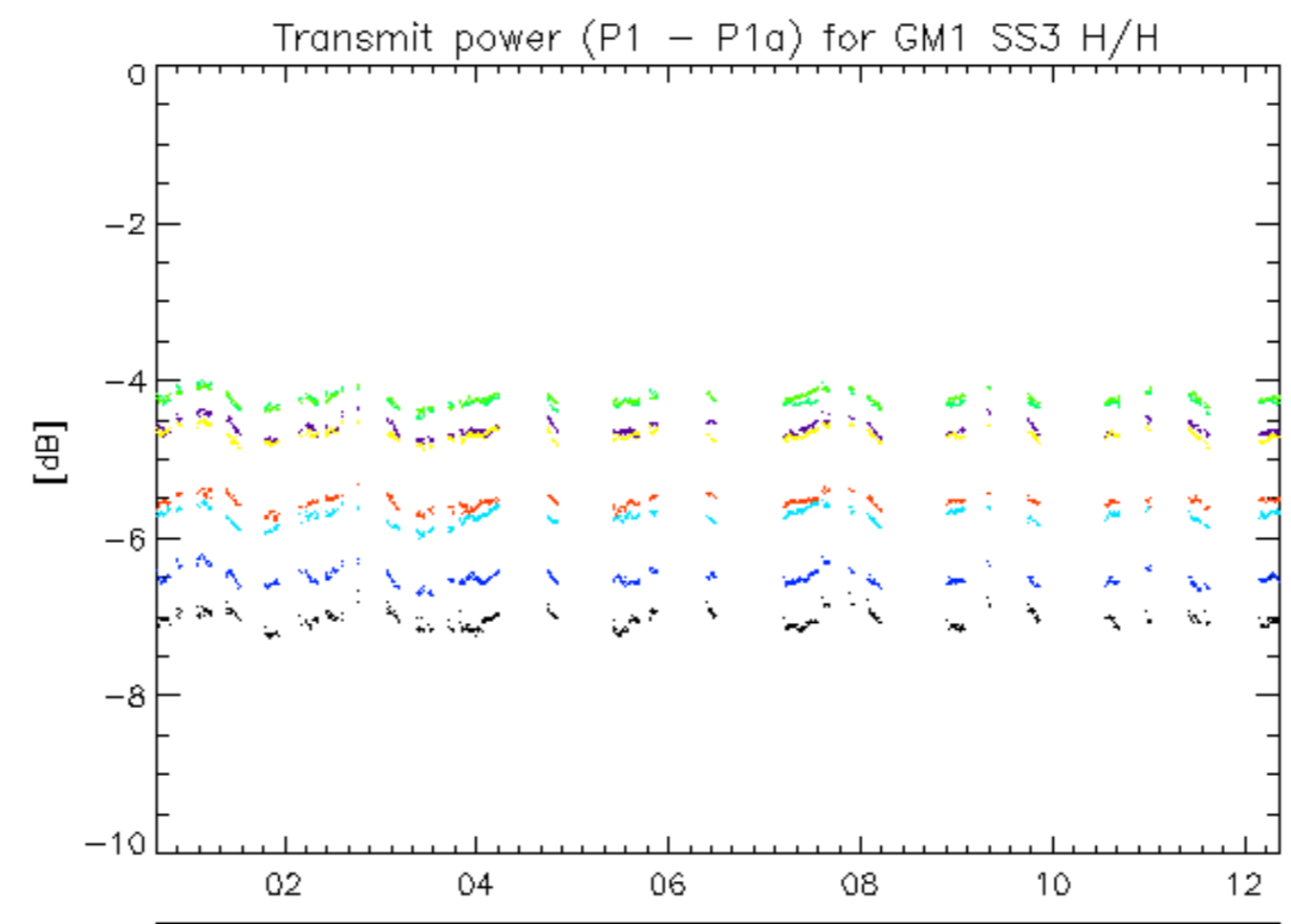
rows: - 11 - 15 - 19 - 23 - 27 - 3 - 31 - 7

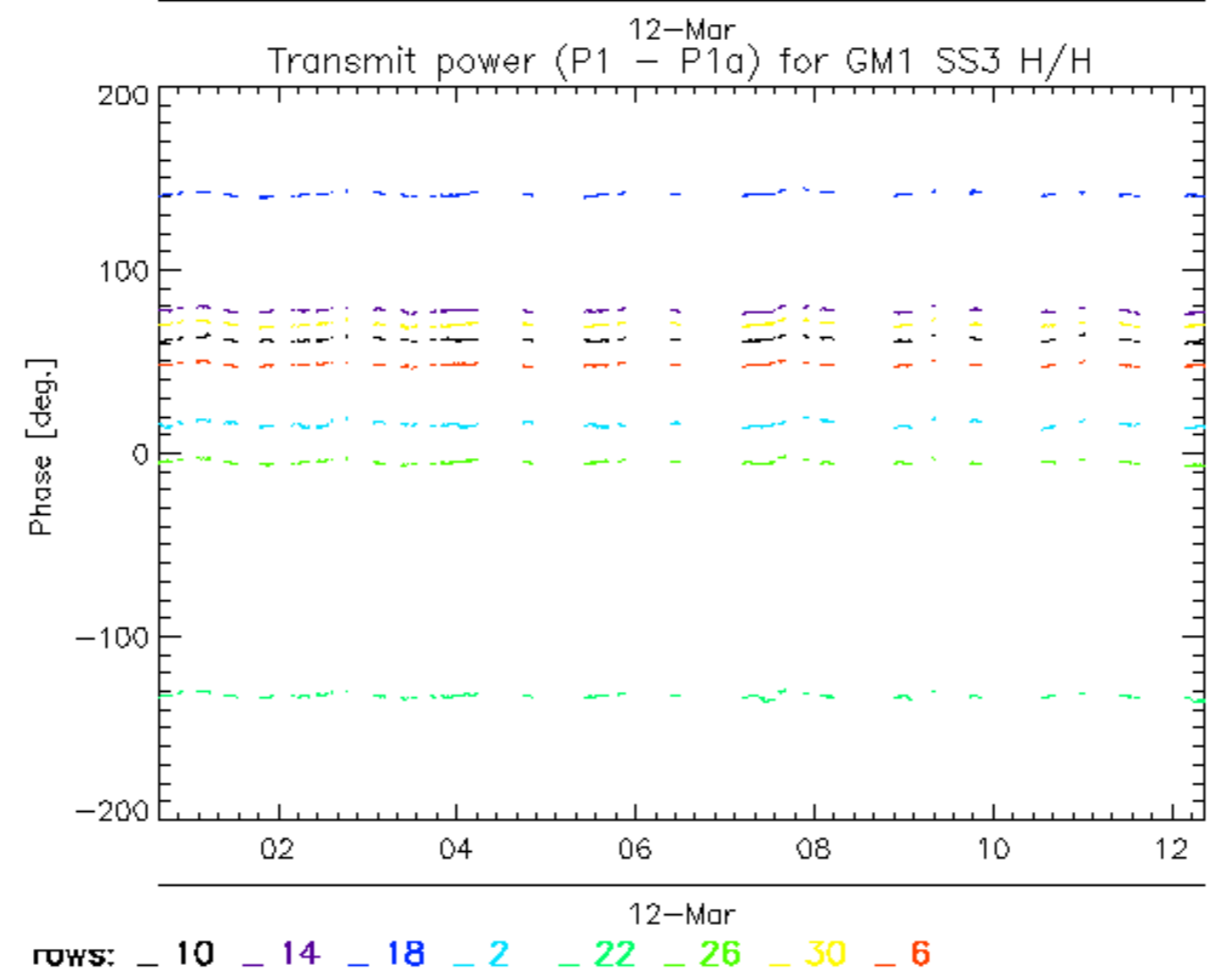
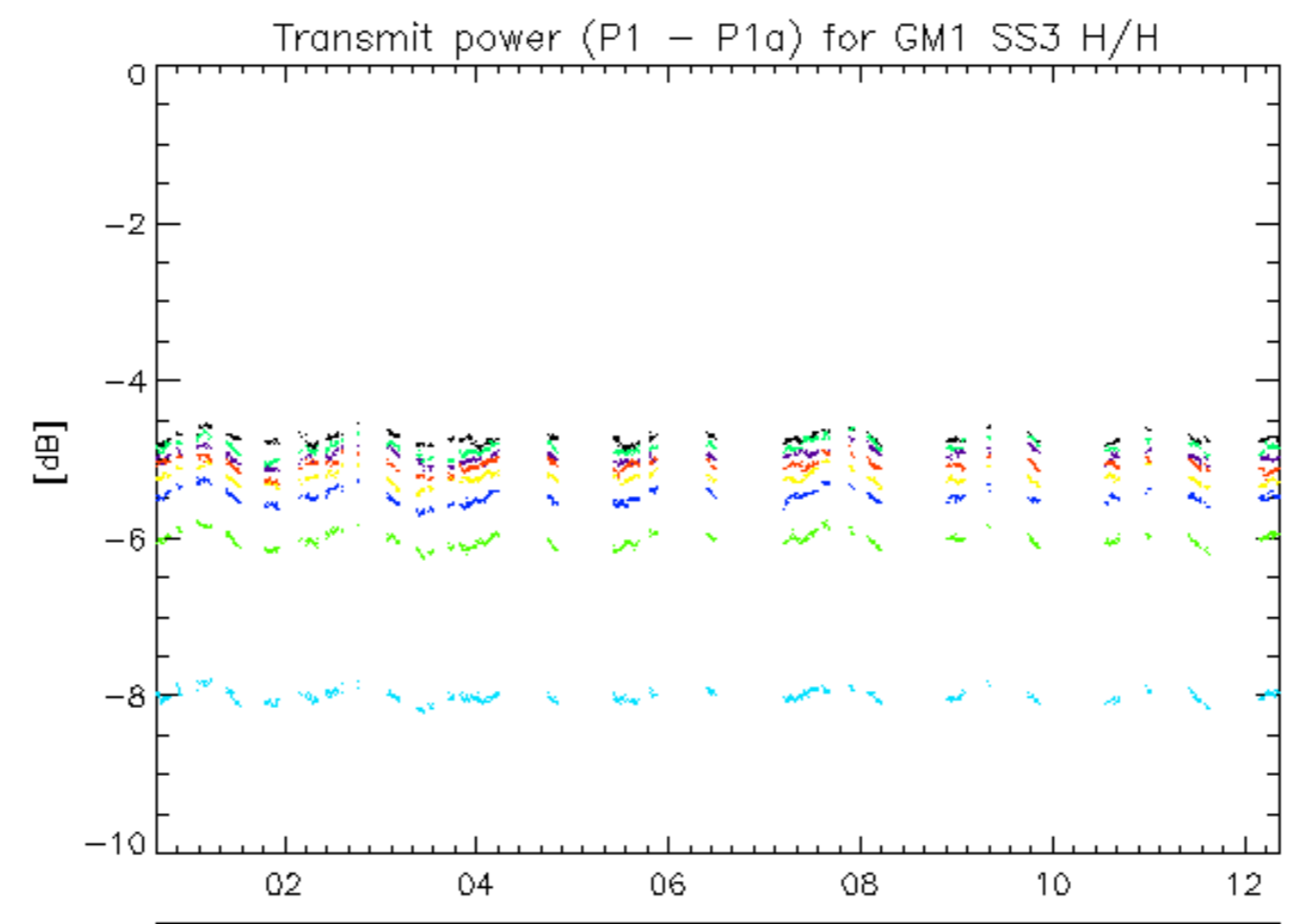
Calibration pulses for WVS IS2 V/V

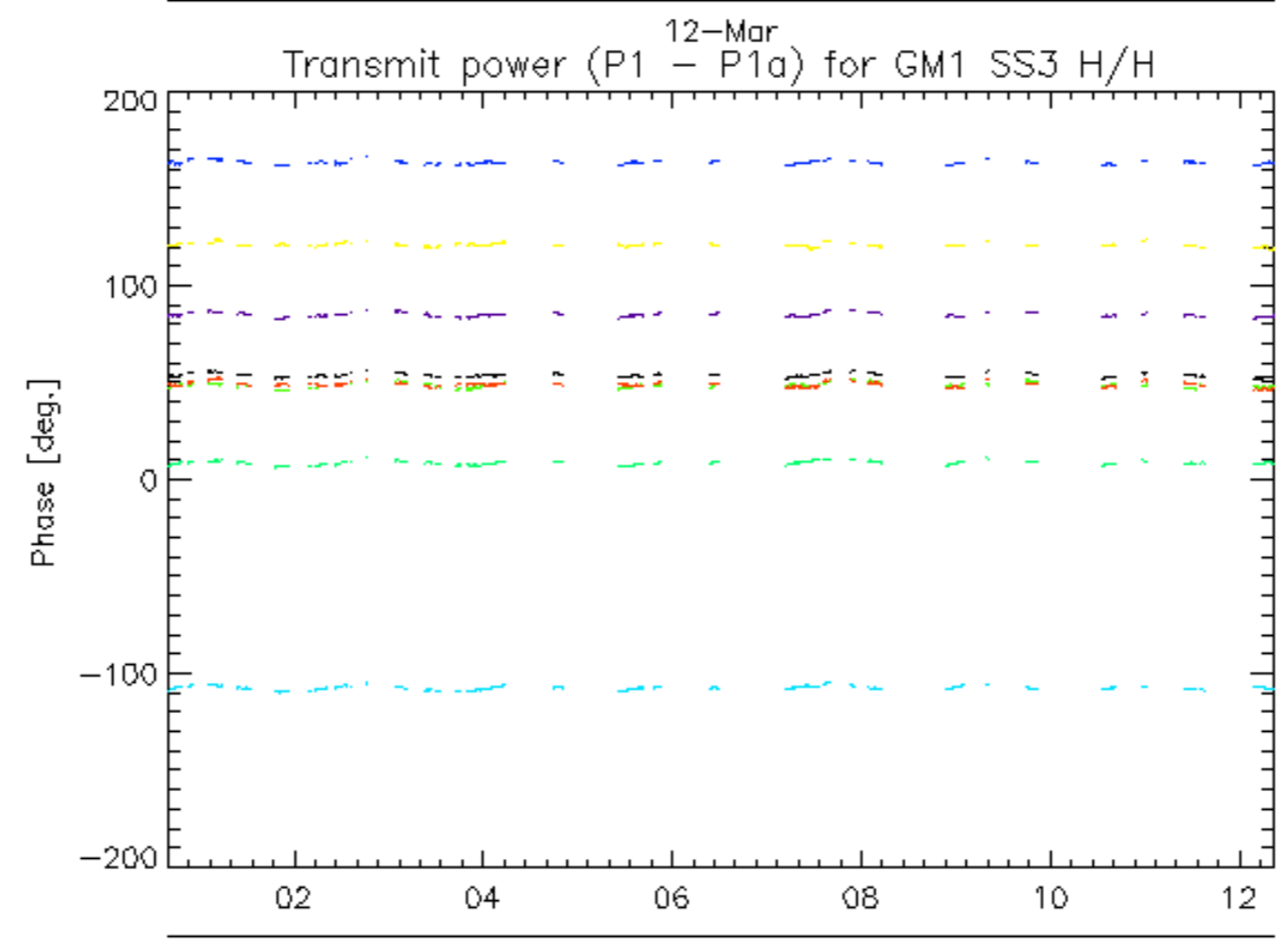
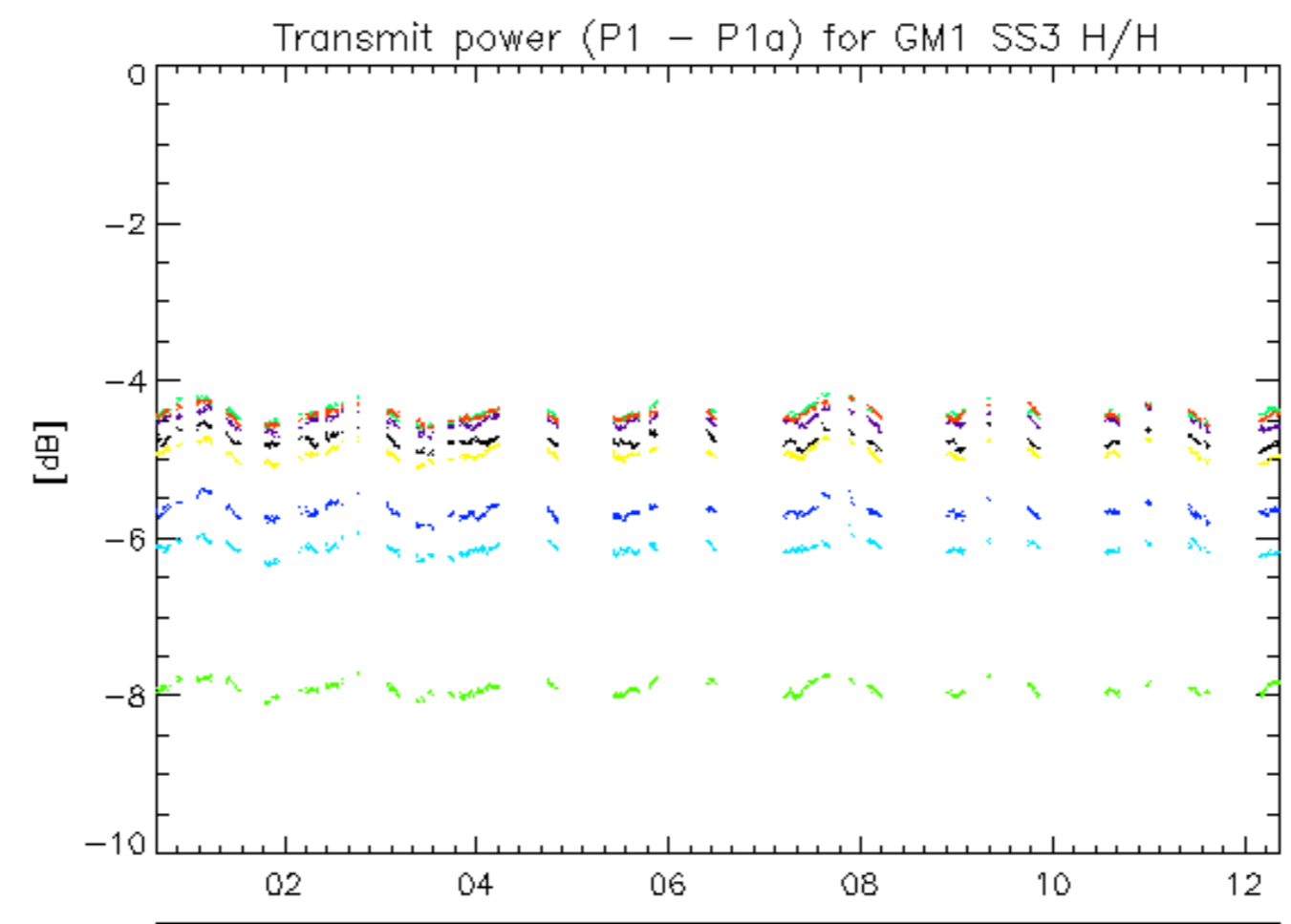




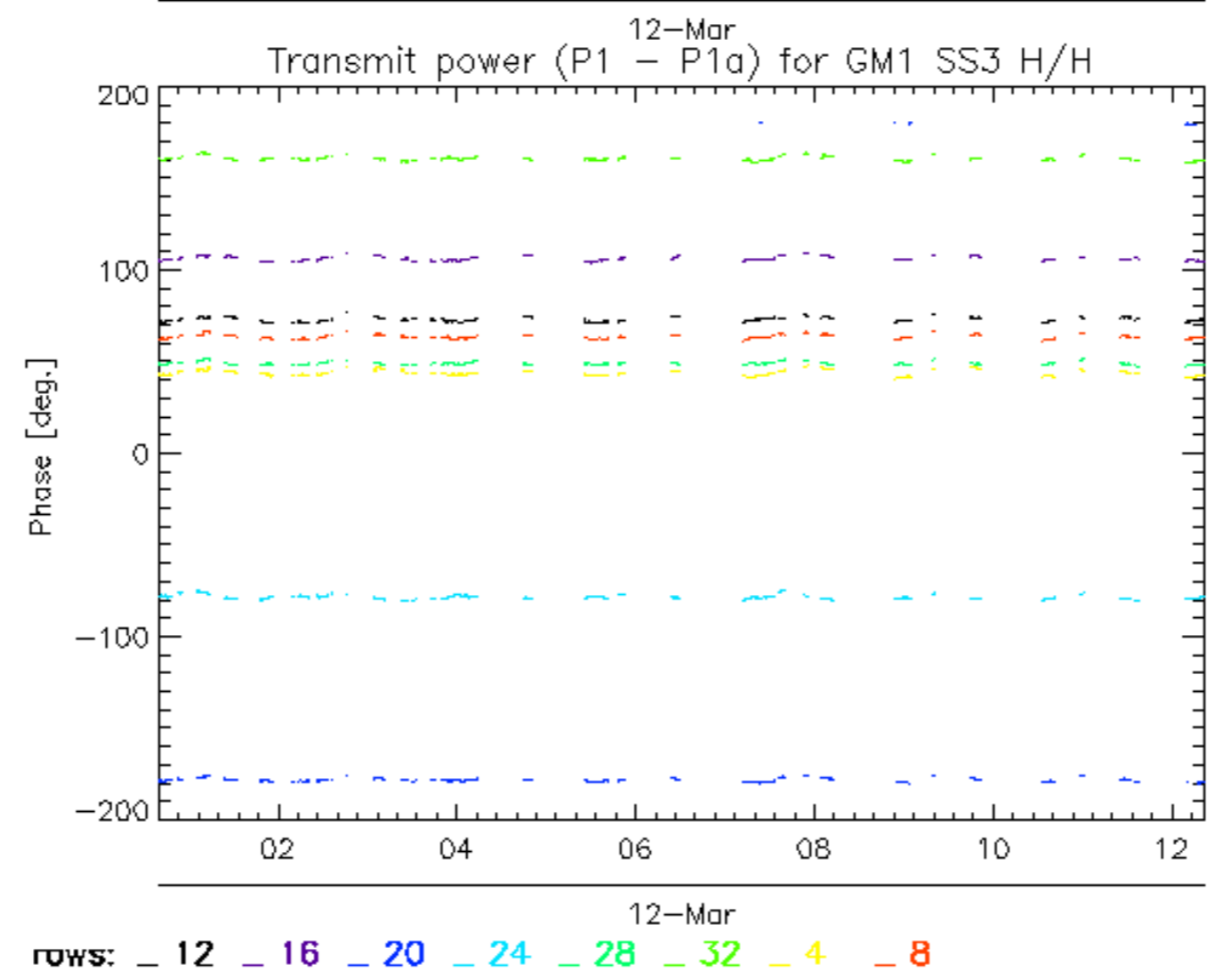
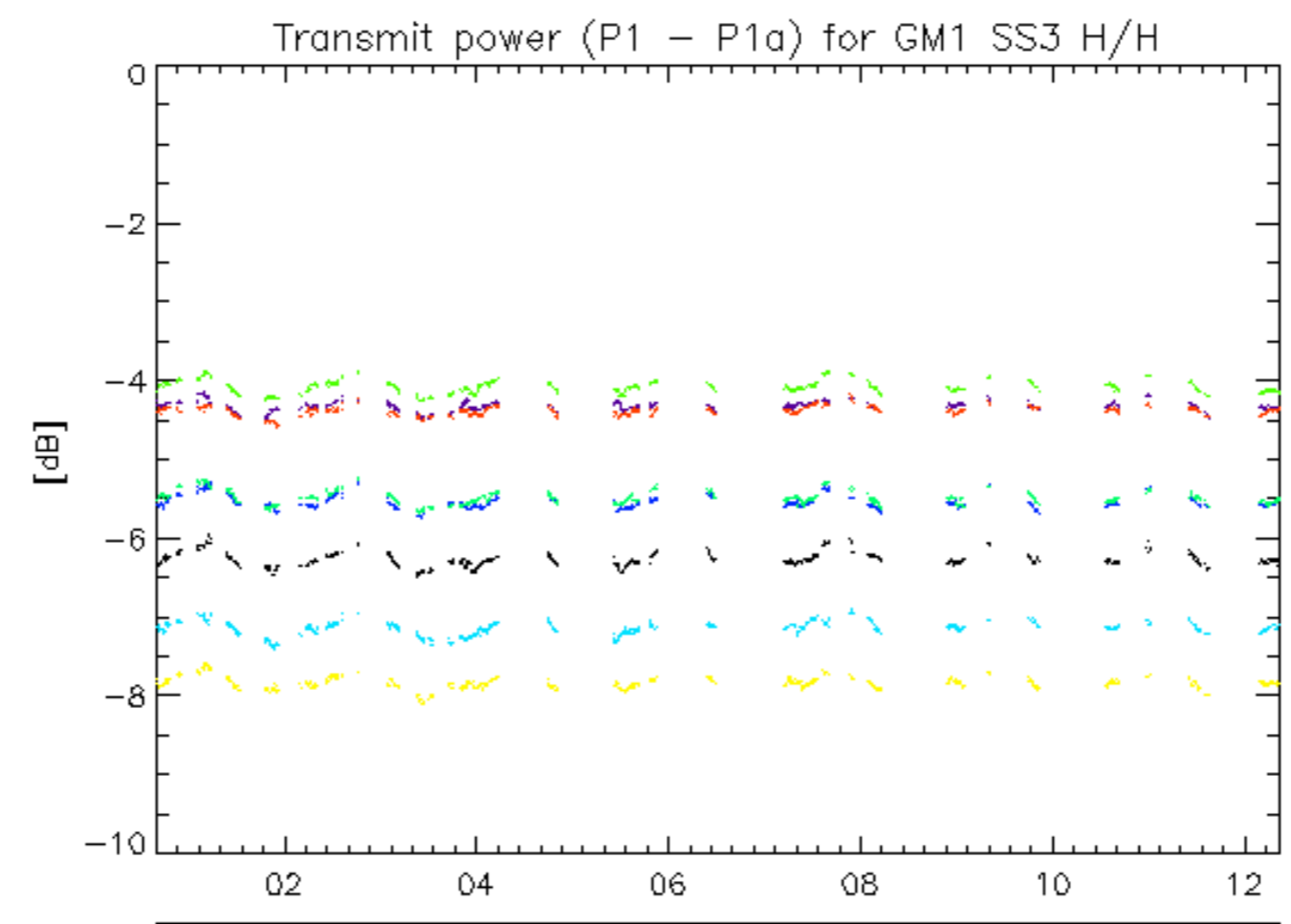


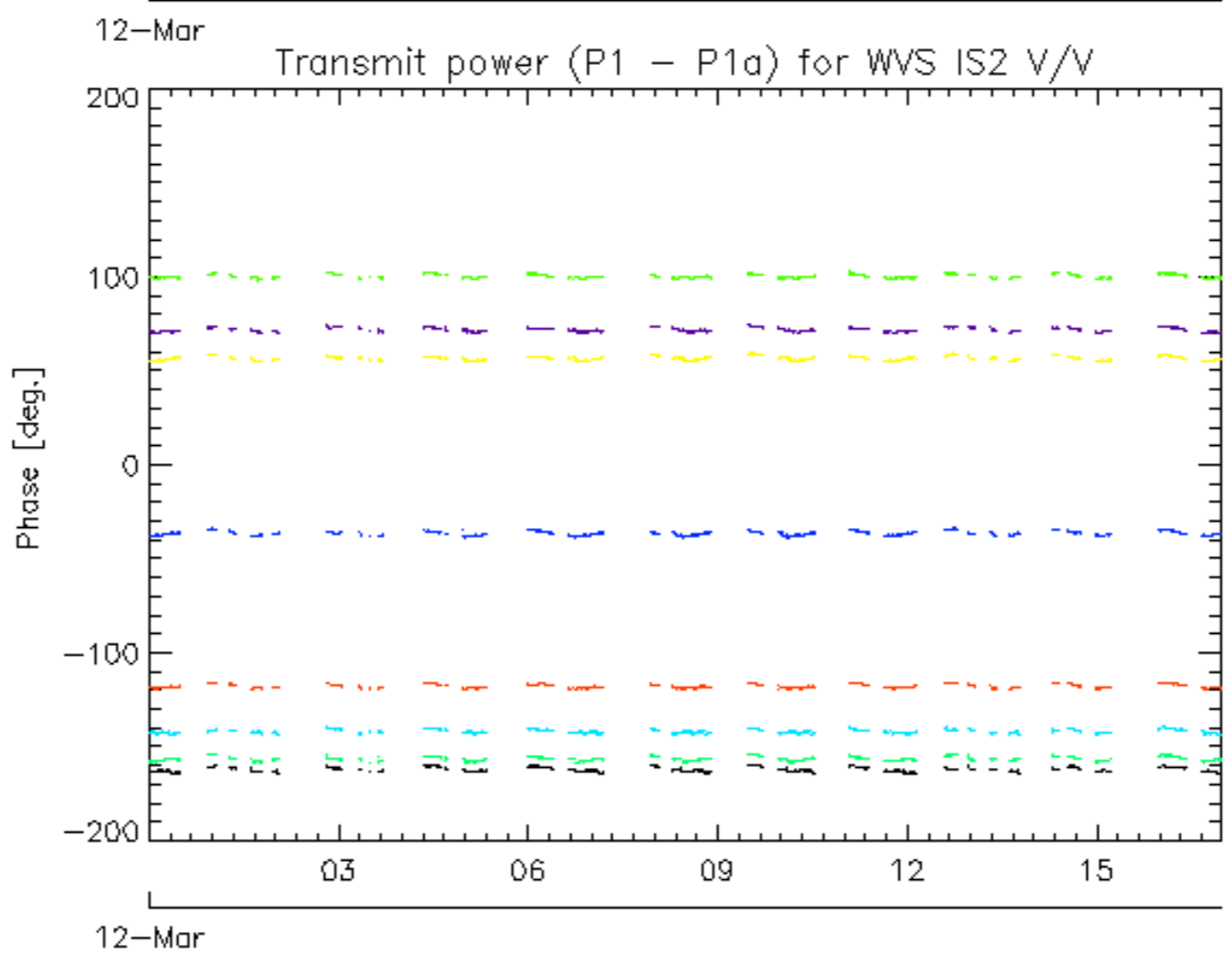
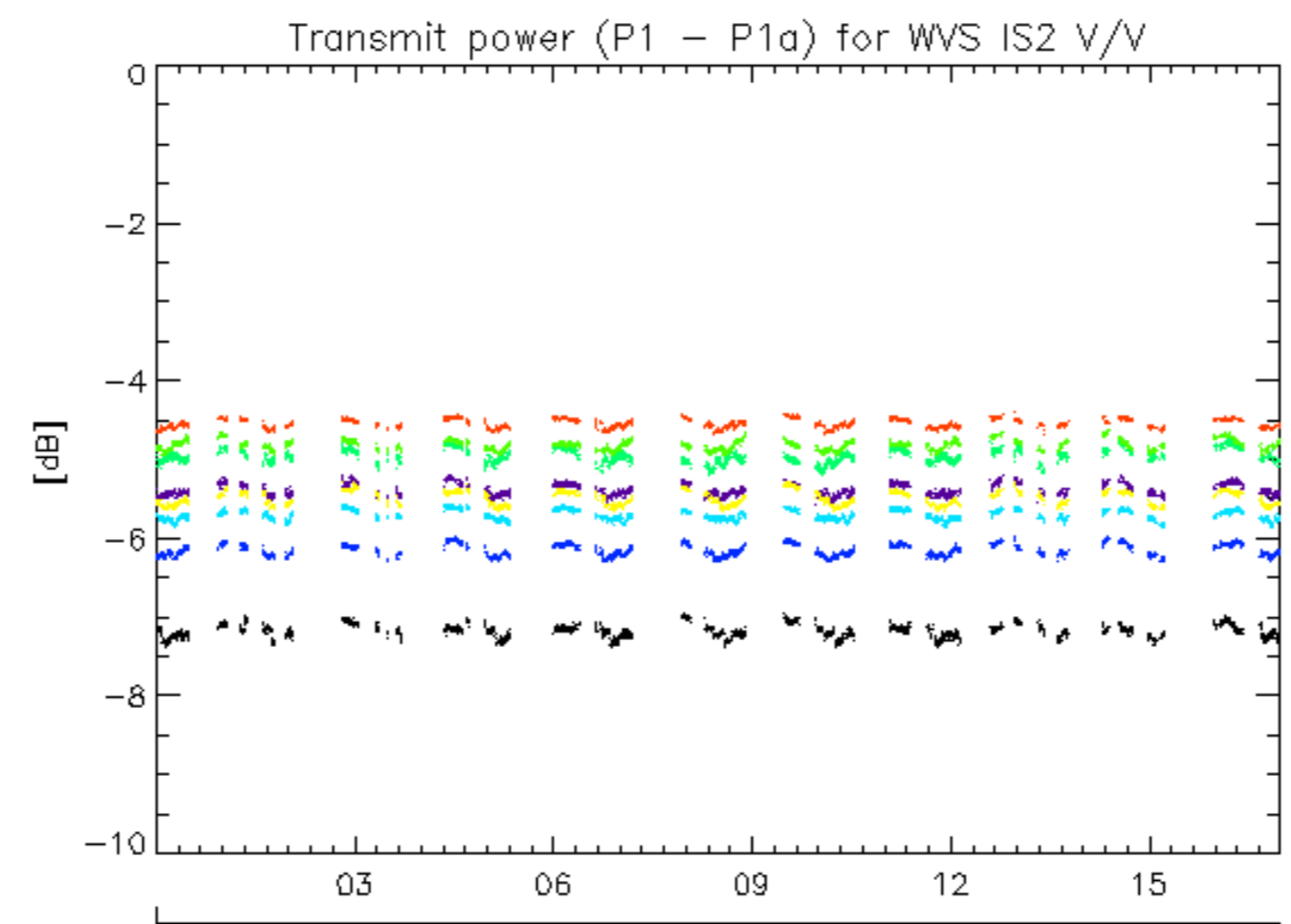




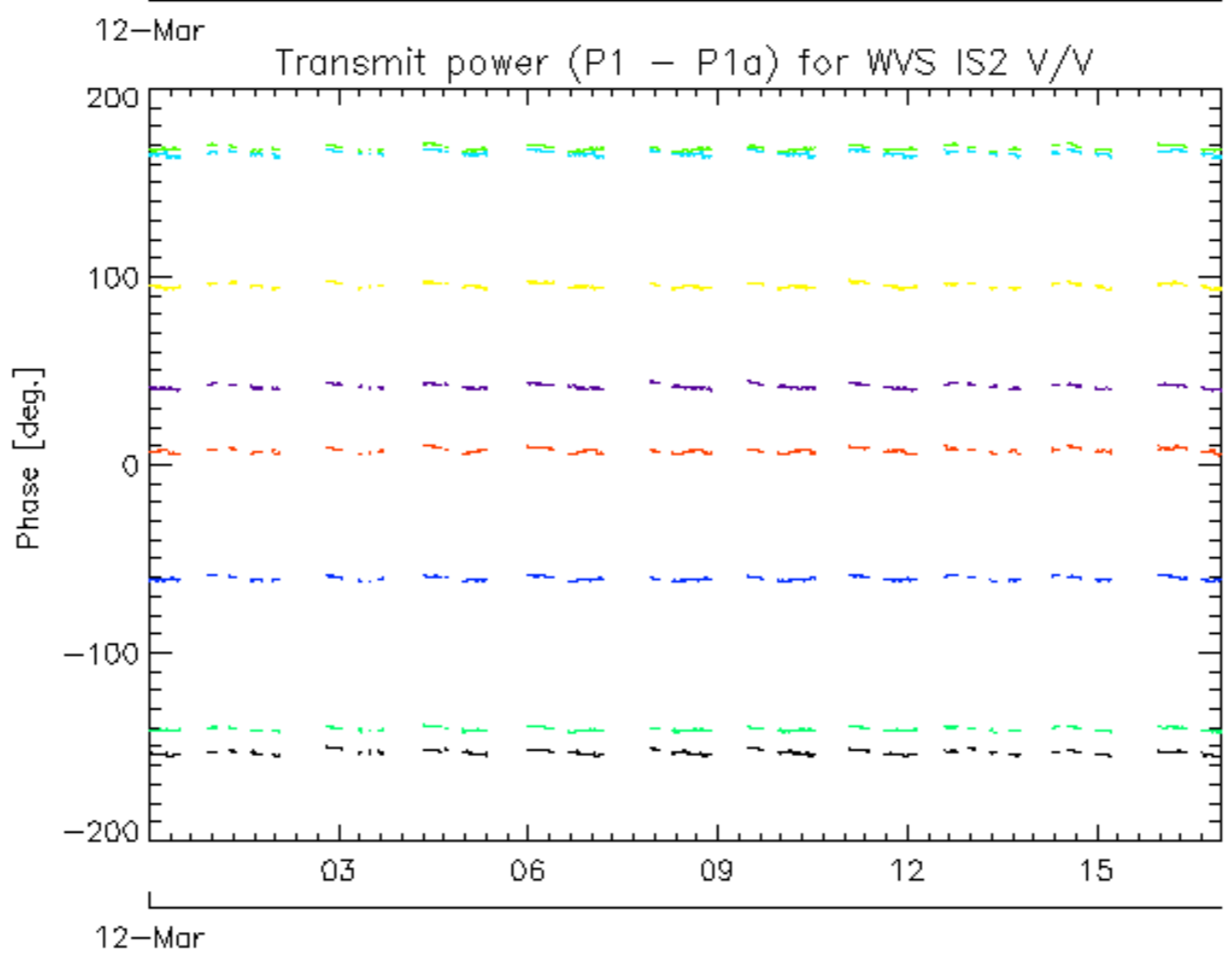
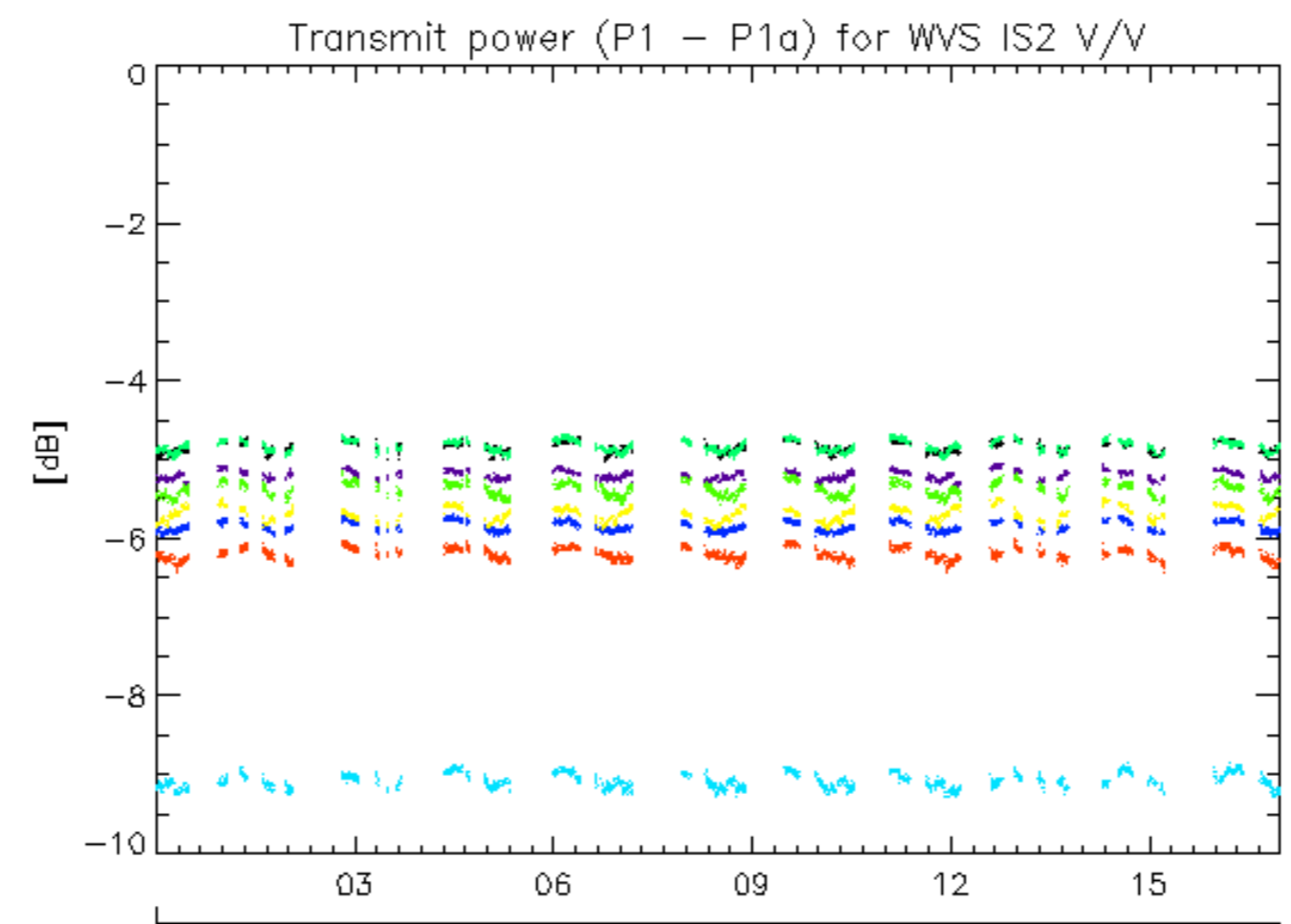


12-Mar
rows: _ 11 _ 15 _ 19 _ 23 _ 27 _ 31 _ 7

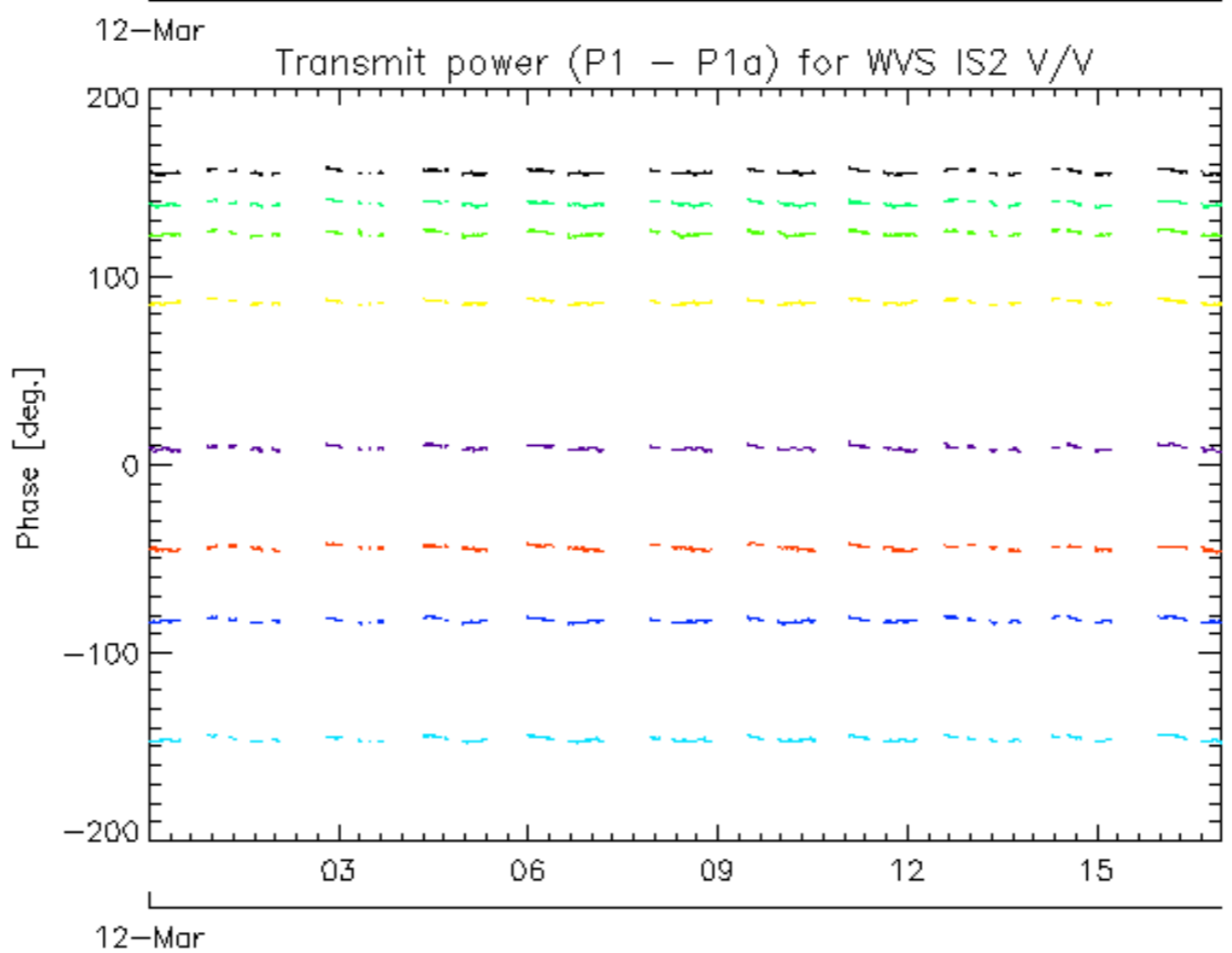
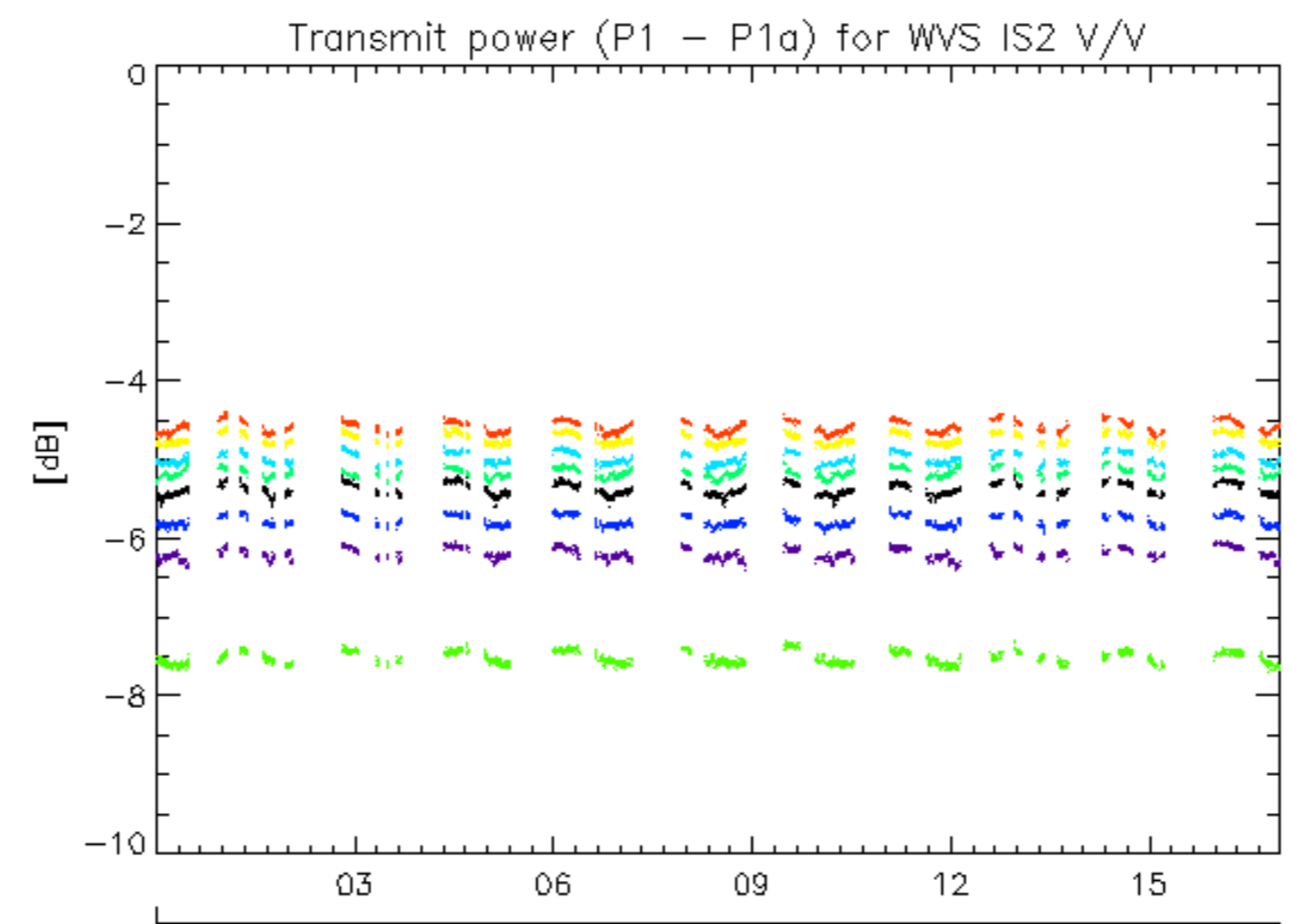




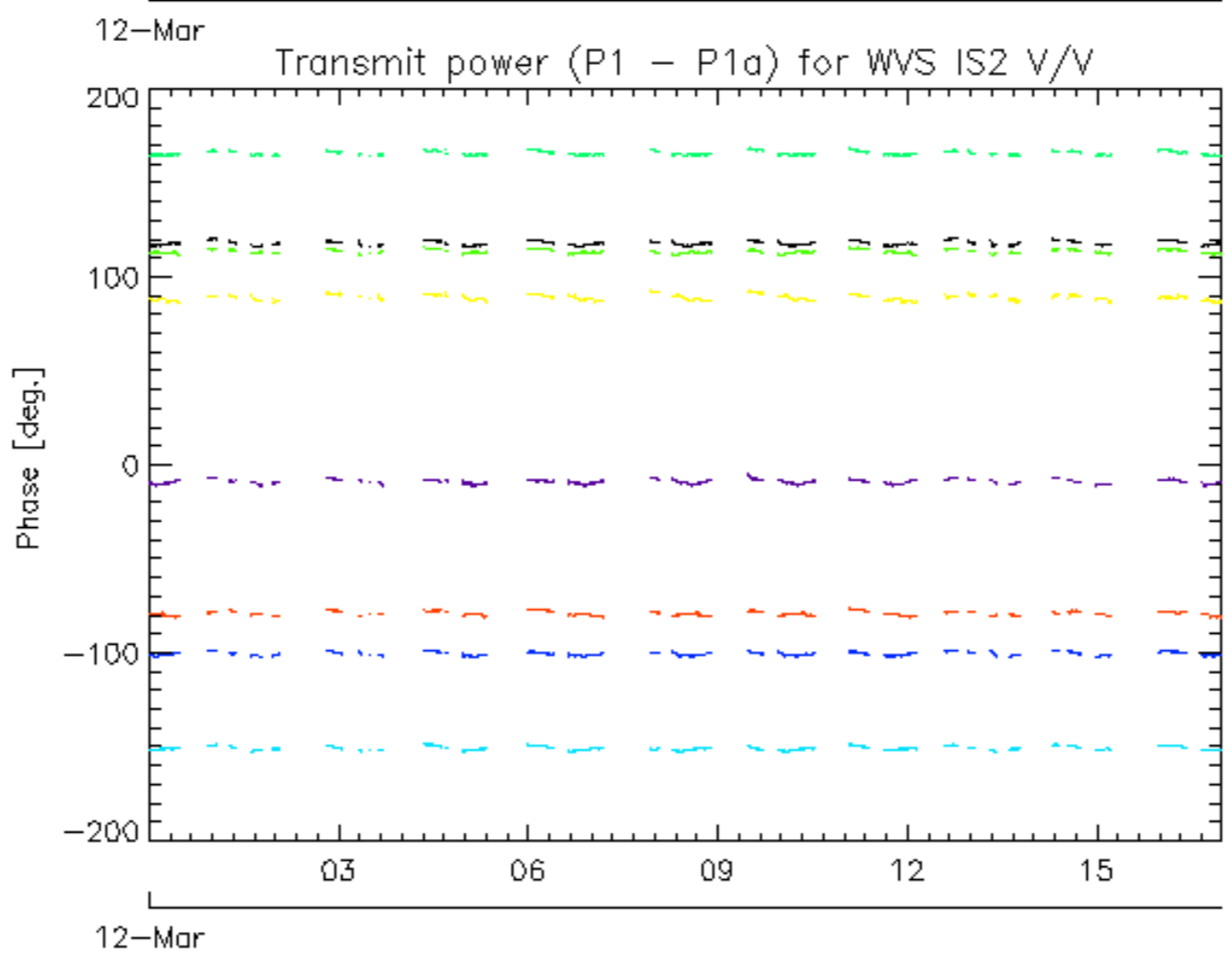
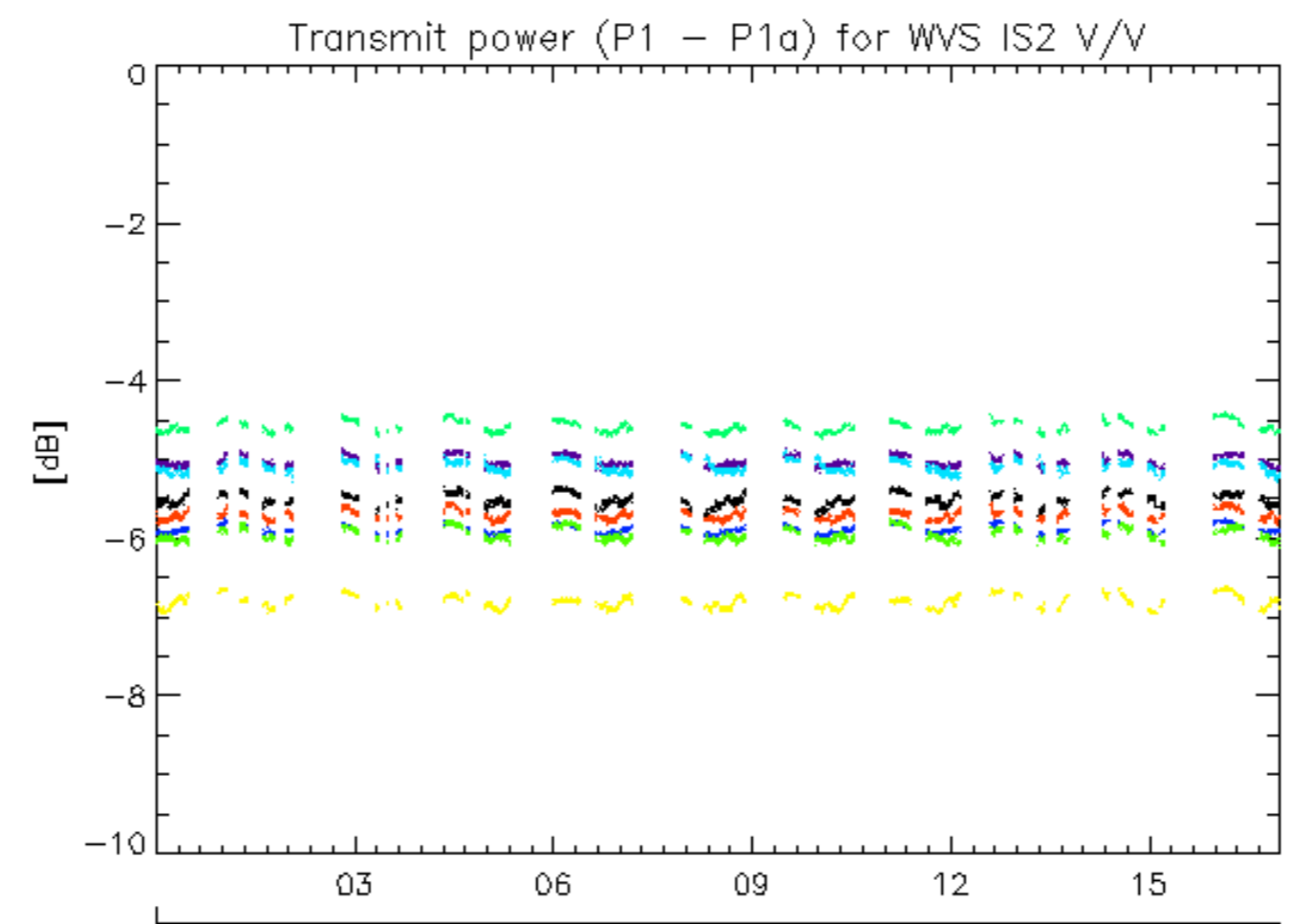
rows: - 1 - 13 - 17 - 21 - 25 - 29 - 5 - 9



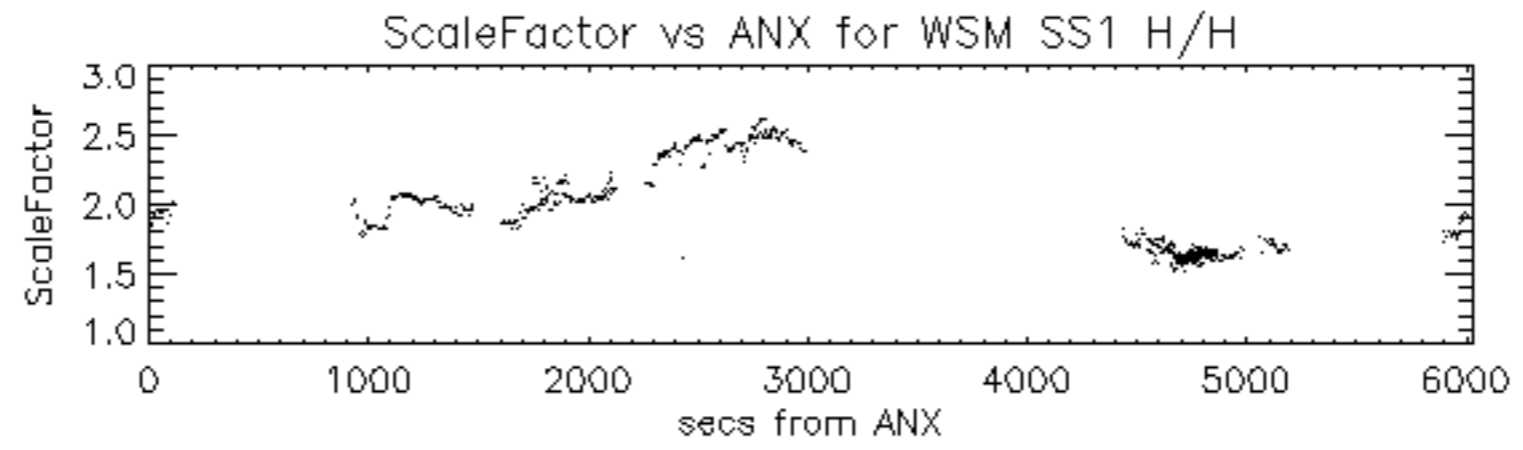
rows: - 10 - 14 - 18 - 2 - 22 - 26 - 30 - 6

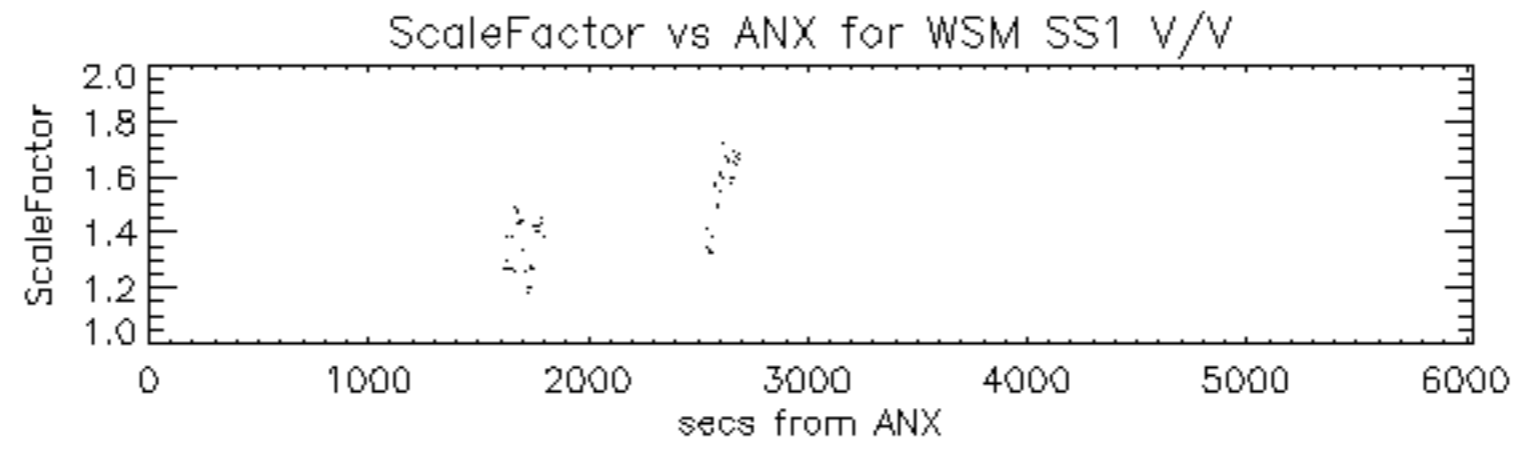


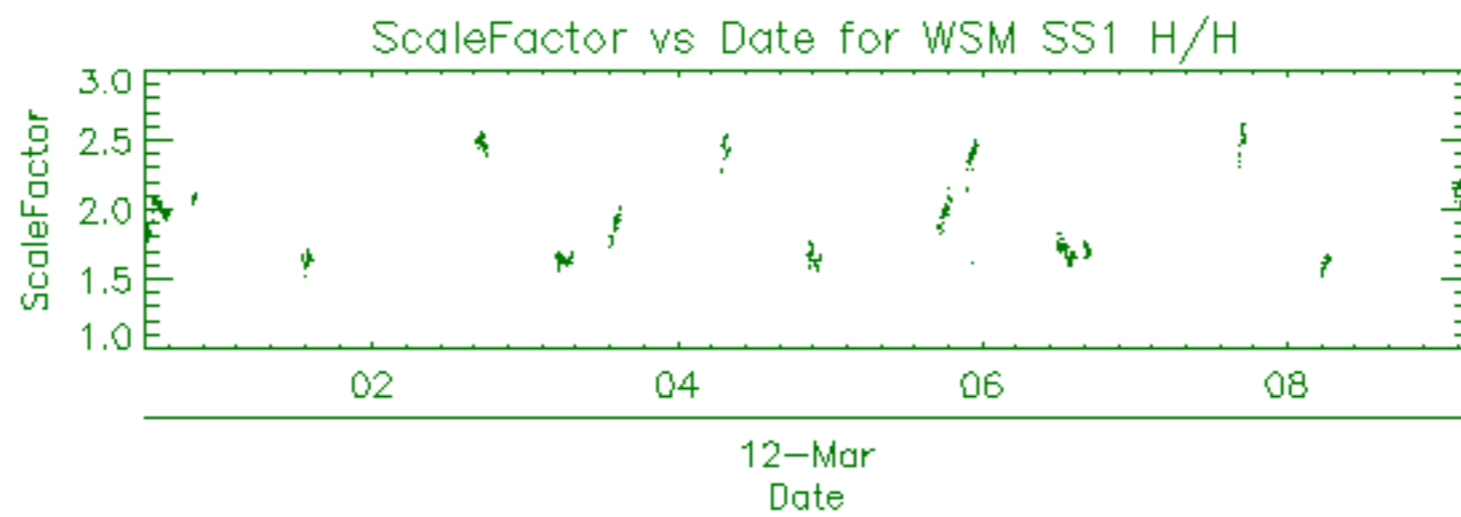
rows: - 11 - 15 - 19 - 23 - 27 - 3 - 31 - 7



rows: - 12 - 16 - 20 - 24 - 28 - 32 - 4 - 8







Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20120312_024644_000000603112_00305_52474_1216.N1						IS2	H/H	112	52474	305	5.04
ASA_APM_1PNPDE20120312_052137_000001923112_00307_52476_1314.N1						IS1	V/H	112	52476	307	5.04
ASA_APM_1PNPDE20120312_074650_000000433112_00308_52477_1359.N1						IS1	V/H	112	52477	308	5.04

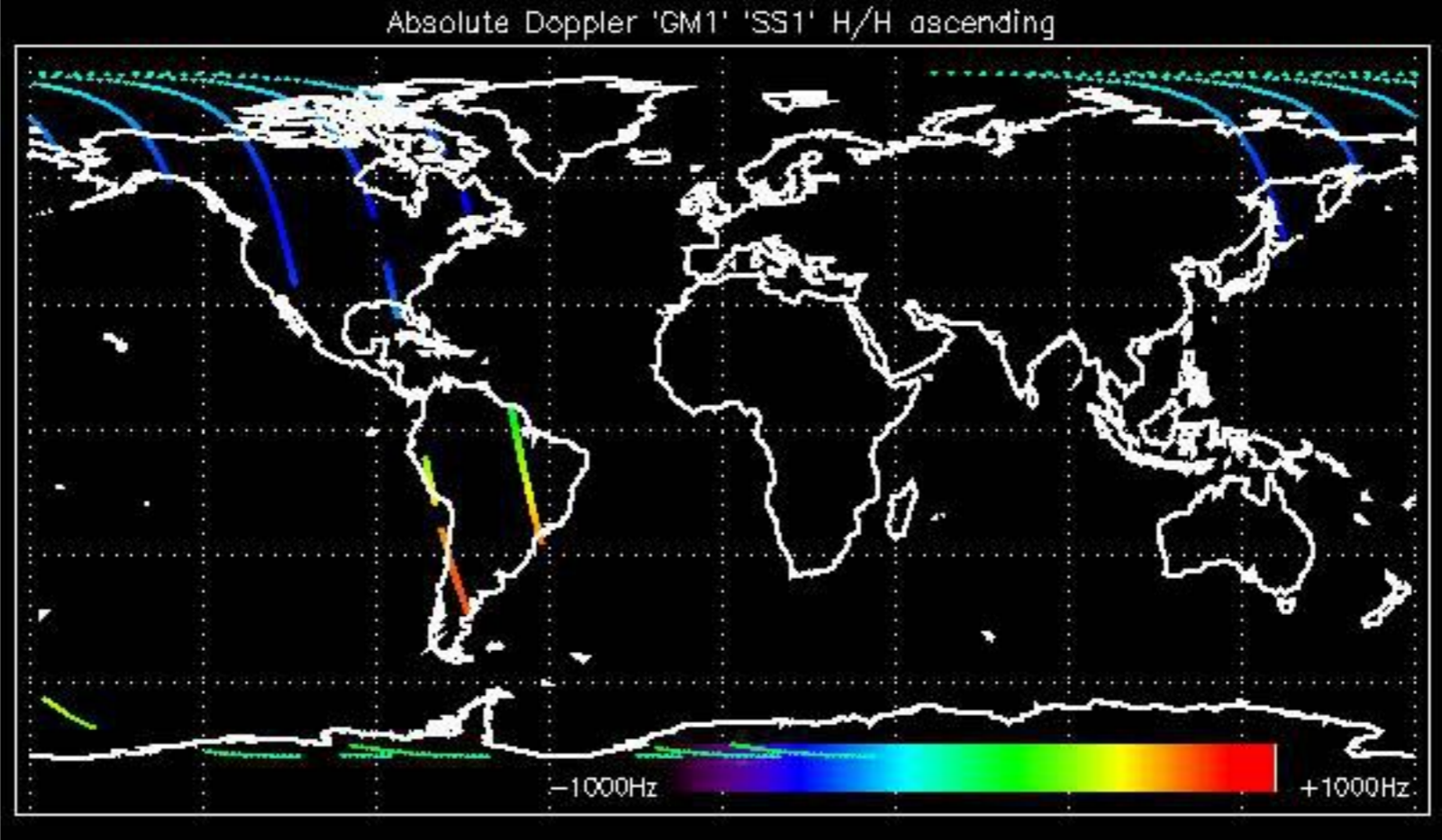
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20120312_003958_000005313112_00304_52473_1194.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_005249_000001873112_00304_52473_1196.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_010506_000001693112_00304_52473_1197.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_010851_000003683112_00304_52473_1199.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_012336_000005373112_00304_52473_1202.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_014722_000005613112_00304_52473_1220.N1						SS1	H/H	112	52473	304	5.04
ASA_GM1_1PNPDE20120312_020938_000000723112_00305_52474_1219.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_021336_000005133112_00305_52474_1224.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_022533_000005373112_00305_52474_1223.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_023616_000000663112_00305_52474_1222.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_024526_000000723112_00305_52474_1227.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_030349_000005133112_00305_52474_1274.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_032223_000002113112_00305_52474_1273.N1						SS1	H/H	112	52474	305	5.04
ASA_GM1_1PNPDE20120312_032558_000001573112_00305_52474_1271.N1						SS1	H/H	112	52474	305	5.04
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ASA_GM1_1PNPDK20120312_085402_000006713112_00309_52478_7458.N1						SS1	H/H	112	52478	309	5.04
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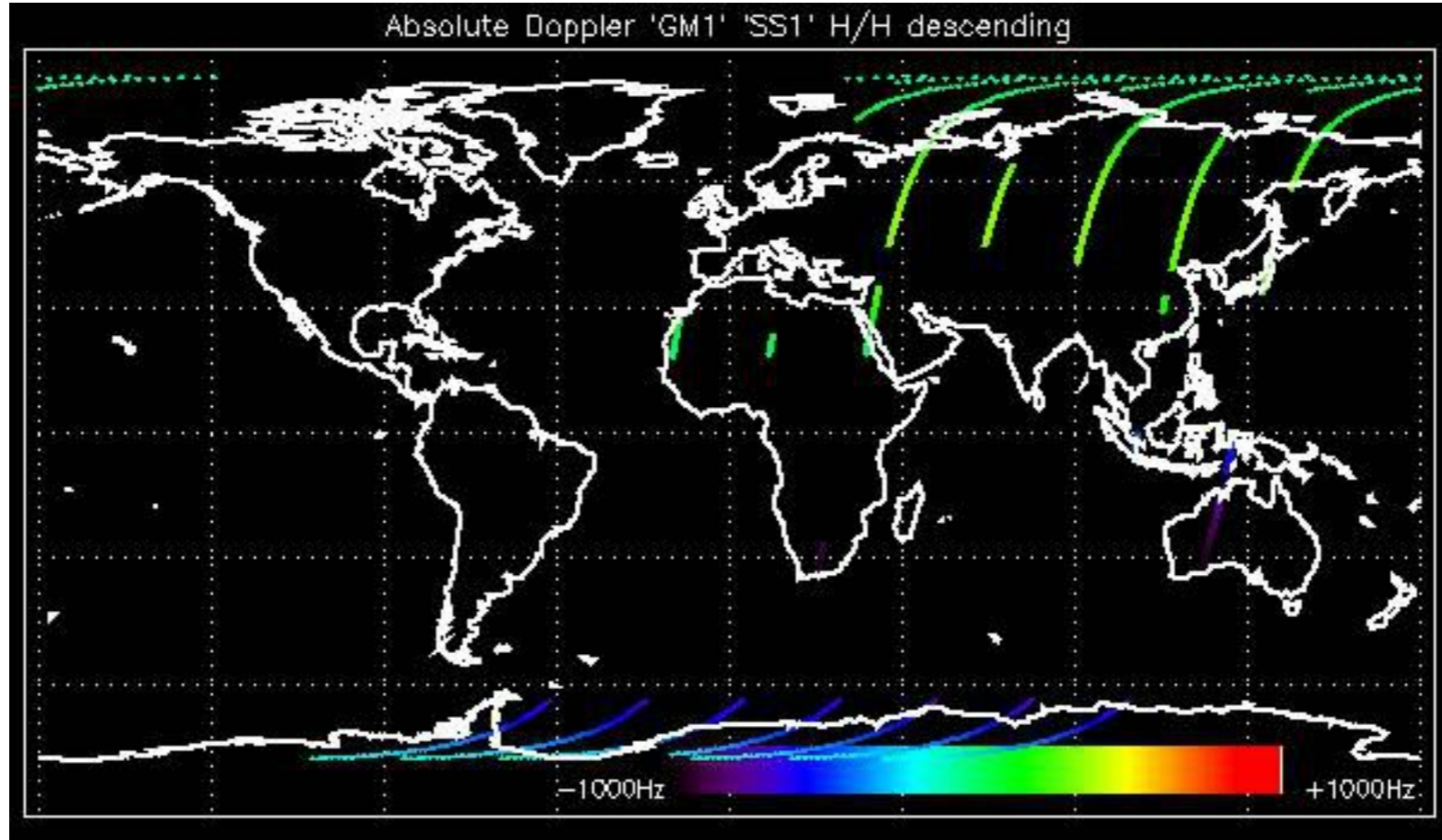
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ASA_IMM_1PNPDE20120312_055809_000000823112_00307_52476_1311.N1						IS6	H/H	112	52476	307	5.04
ASA_IMM_1PNPDE20120312_073337_000001523112_00308_52477_1351.N1						IS6	H/H	112	52477	308	5.04
ASA_IMM_1PNPDE20120312_074430_000001153112_00308_52477_1358.N1						IS2	V/V	112	52477	308	5.04
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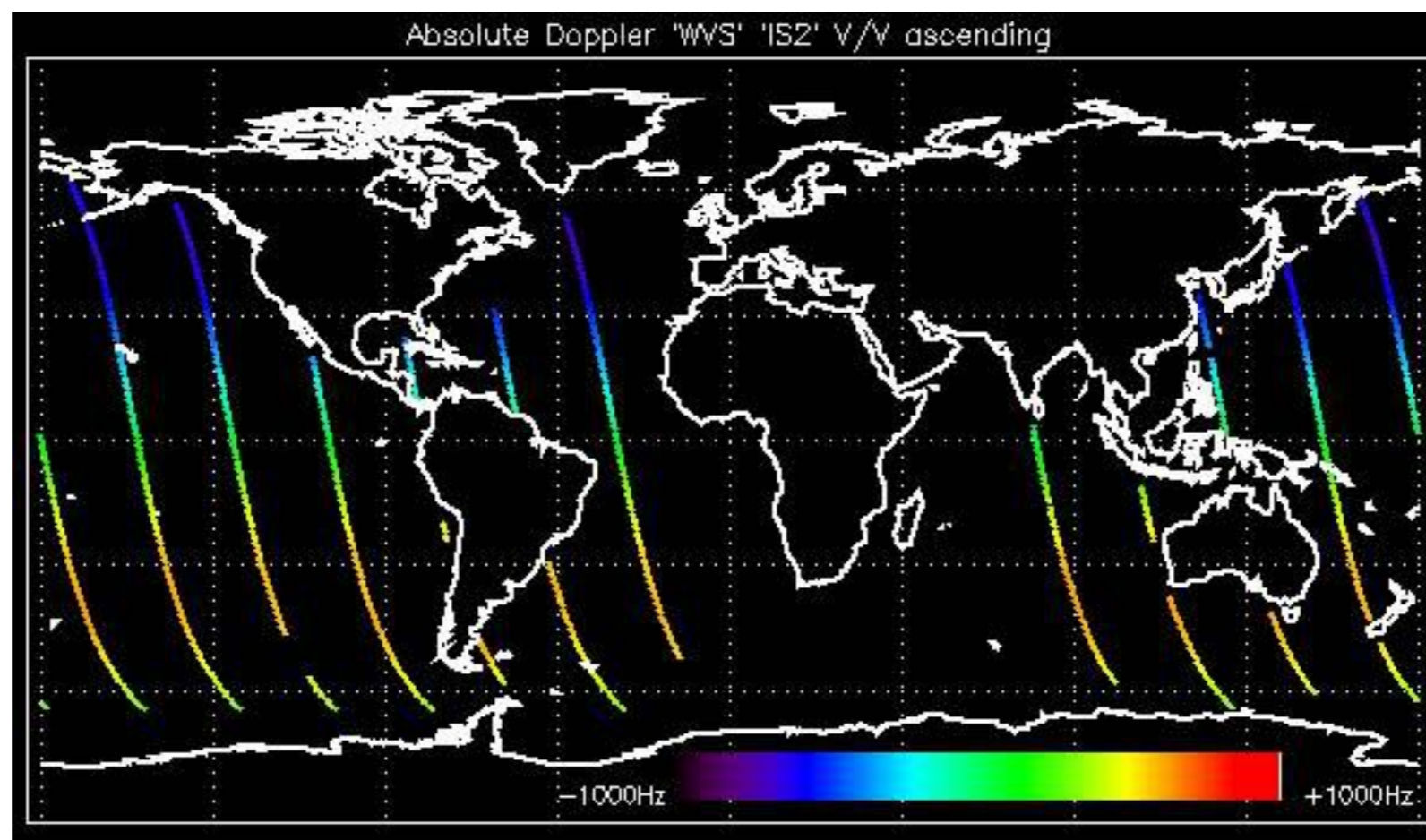
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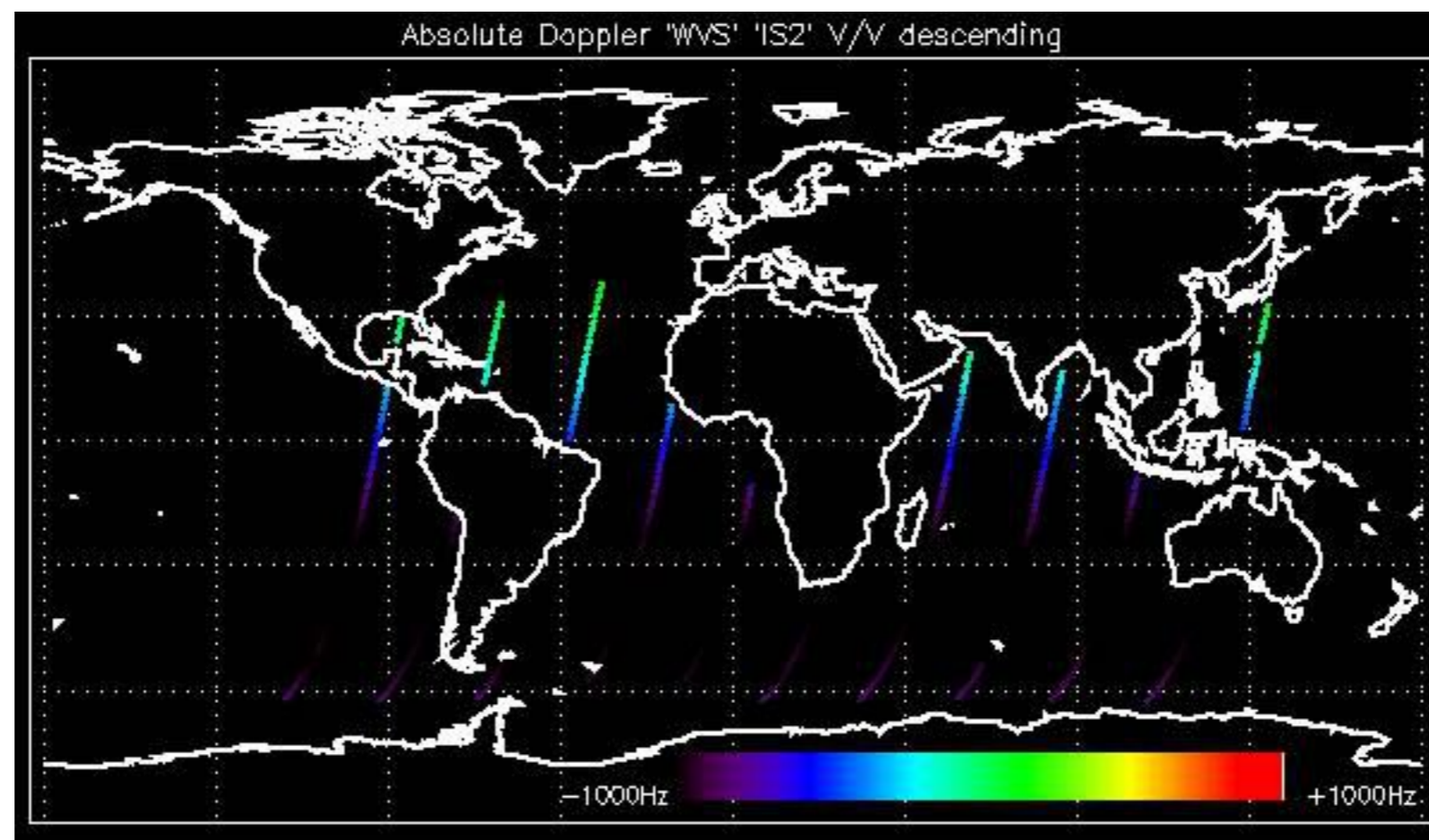
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ASA_WSM_1PNPDE20120312_022210_000001903112_00305_52474_1217.N1						SS1	V/V	112	52474	305	5.04
ASA_WSM_1PNPDE20120312_023733_000001773112_00305_52474_1214.N1						SS1	V/V	112	52474	305	5.04
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ASA_WSM_1PNPDE20120312_031224_000003733112_00305_52474_1260.N1						SS1	H/H	112	52474	305	5.04
ASA_WSM_1PNPDE20120312_033328_000002453112_00305_52474_1261.N1						SS1	H/H	112	52474	305	5.04
ASA_WSM_1PNPDE20120312_041727_000002143112_00306_52475_1263.N1						SS1	H/H	112	52475	306	5.04
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ASA_WSM_1PNPDE20120312_055328_000002753112_00307_52476_1310.N1						SS1	H/H	112	52476	307	5.04
ASA_WSM_1PNPDK20120312_062937_000004343112_00307_52476_7439.N1						SS1	H/H	112	52476	307	5.04
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ASA_WSM_1PNPDK20120312_081328_000002083112_00308_52477_7460.N1						SS1	H/H	112	52477	308	5.04
ASA_WSM_1PNPDK20120312_090514_000000923112_00309_52478_7465.N1						SS1	H/H	112	52478	309	5.04
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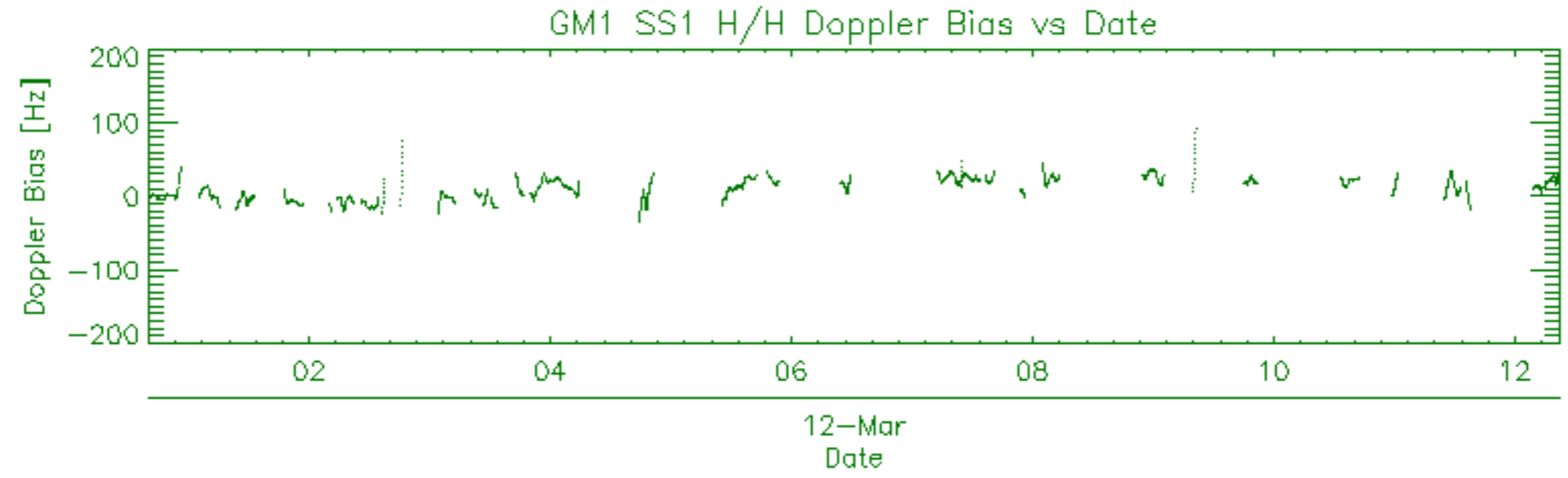
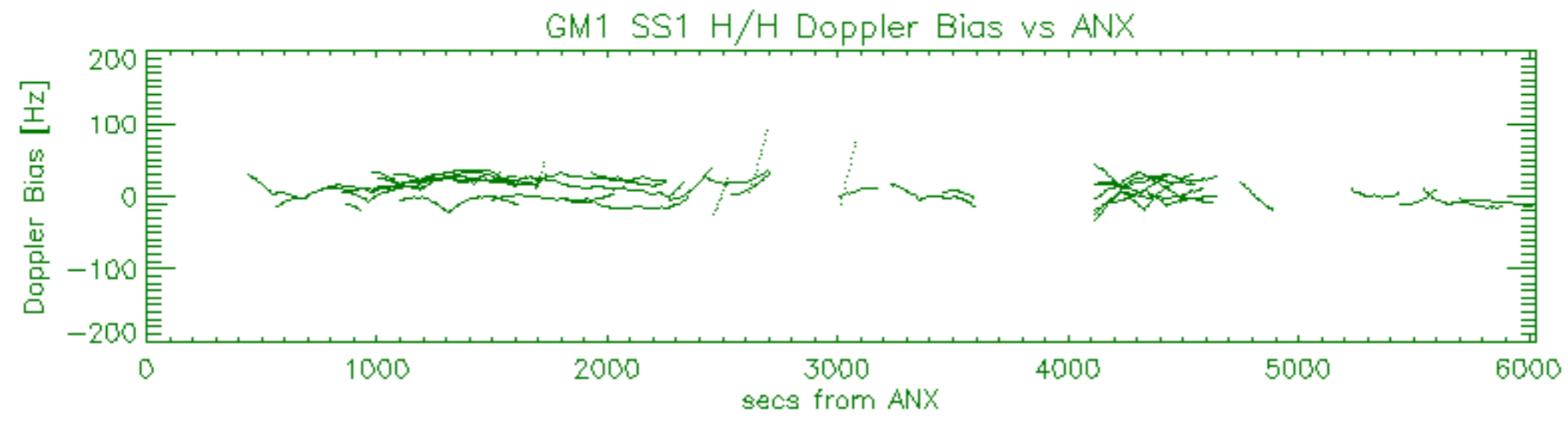
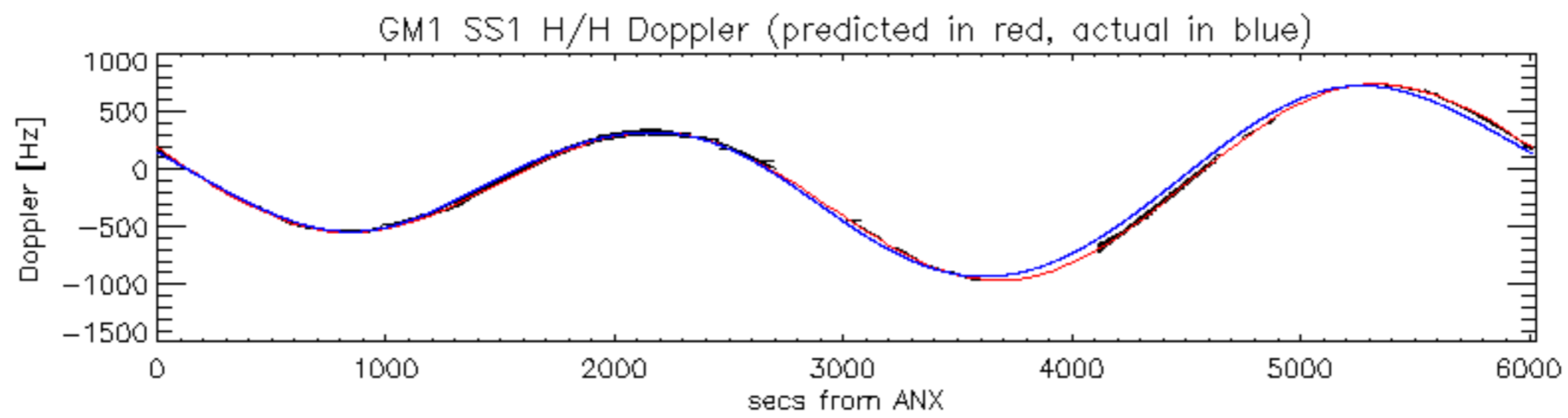
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ASA_WVS_1PNPDE20120312_000246_000016193112_00303_52472_1195.N1						IS2	V/V	112	52472	303	5.04
ASA_WVS_1PNPDE20120311_235616_000004493112_00303_52472_1174.N1						IS1	V/V	112	52472	303	5.04
ASA_WVS_1PNPDE20120312_005600_000004973112_00304_52473_1198.N1						IS2	V/V	112	52473	304	5.04
ASA_WVS_1PNPDE20120312_011500_000004803112_00304_52473_1200.N1						IS2	V/V	112	52473	304	5.04
ASA_WVS_1PNPDE20120312_013629_000003603112_00304_52473_1201.N1						IS2	V/V	112	52473	304	5.04
ASA_WVS_1PNPDE20120312_014144_000003003112_00304_52473_1221.N1						IS2	V/V	112	52473	304	5.04
ASA_WVS_1PNPDE20120312_015645_000004193112_00305_52474_1225.N1						IS2	V/V	112	52474	305	5.04
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ASA_WVS_1PNPDK20120312_081725_000021593112_00308_52477_7456.N1						IS2	V/V	112	52477	308	5.04
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ASA_WVS_1PNPDK20120312_123609_000006293112_00311_52480_7560.N1						IS2	V/V	112	52480	311	5.04
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ASA_WVS_1PNPDK20120312_164030_000007343112_00313_52482_7634.N1						IS1	V/V	112	52482	313	5.04
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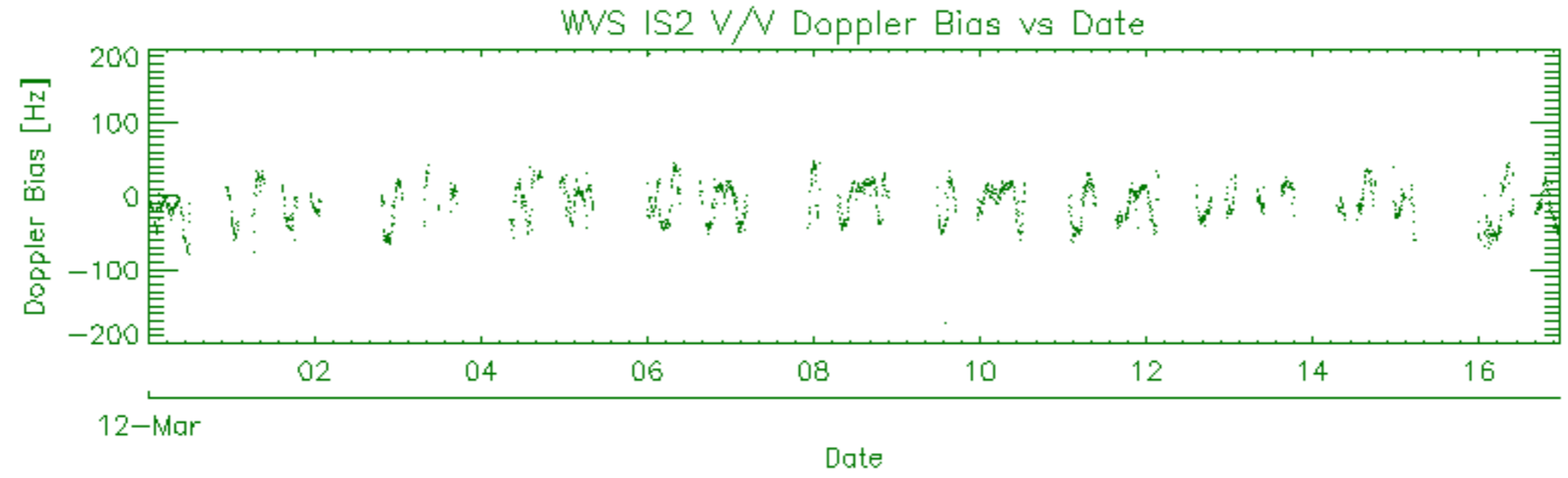
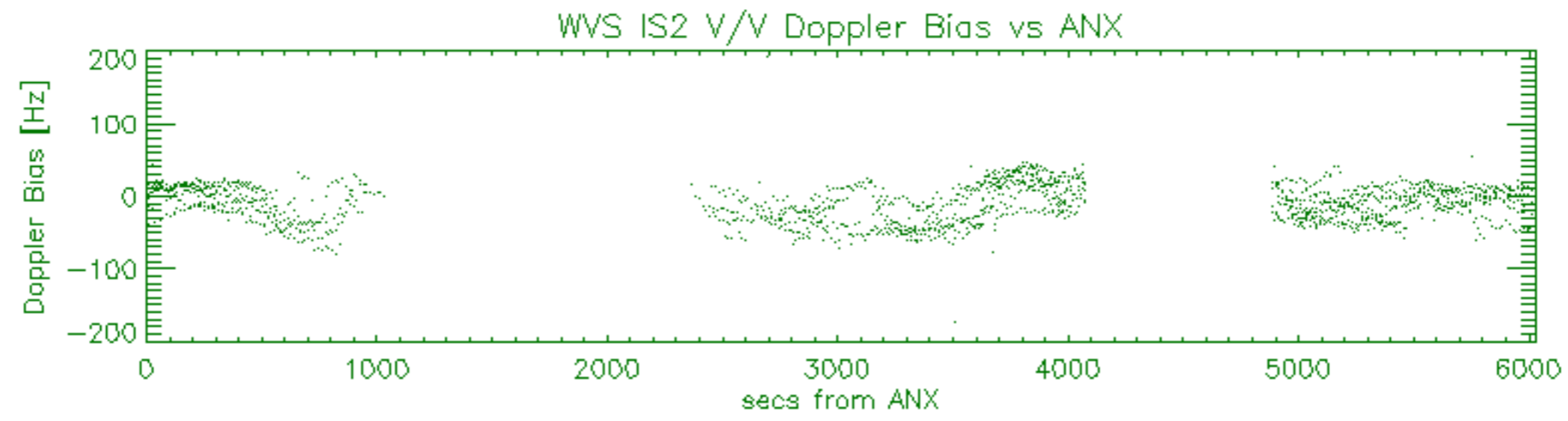
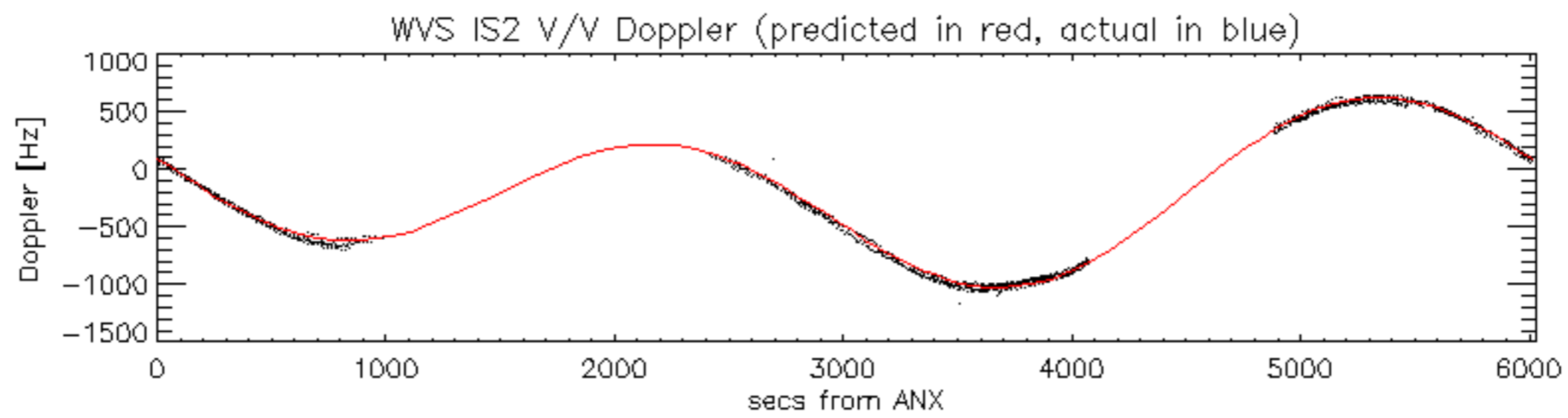


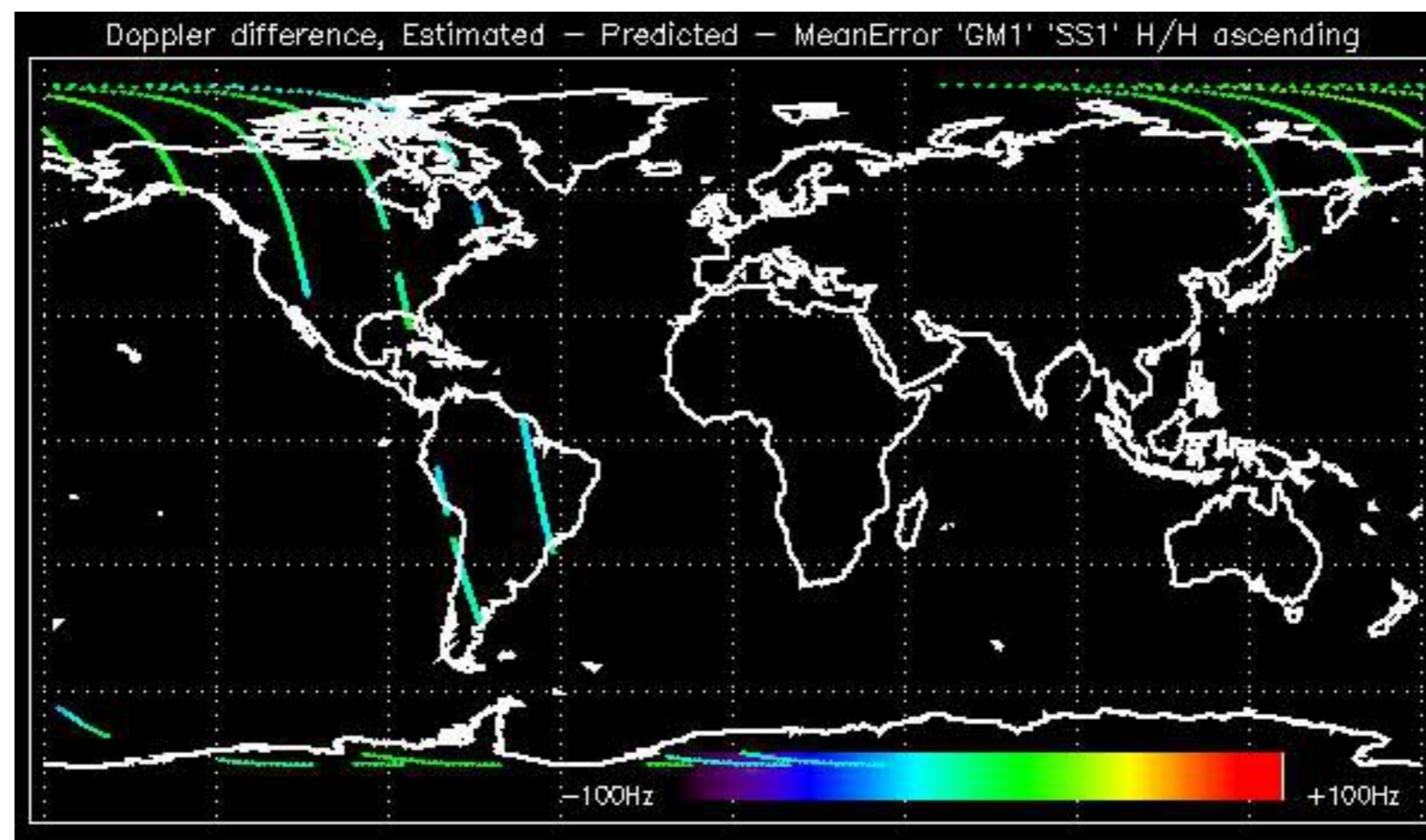


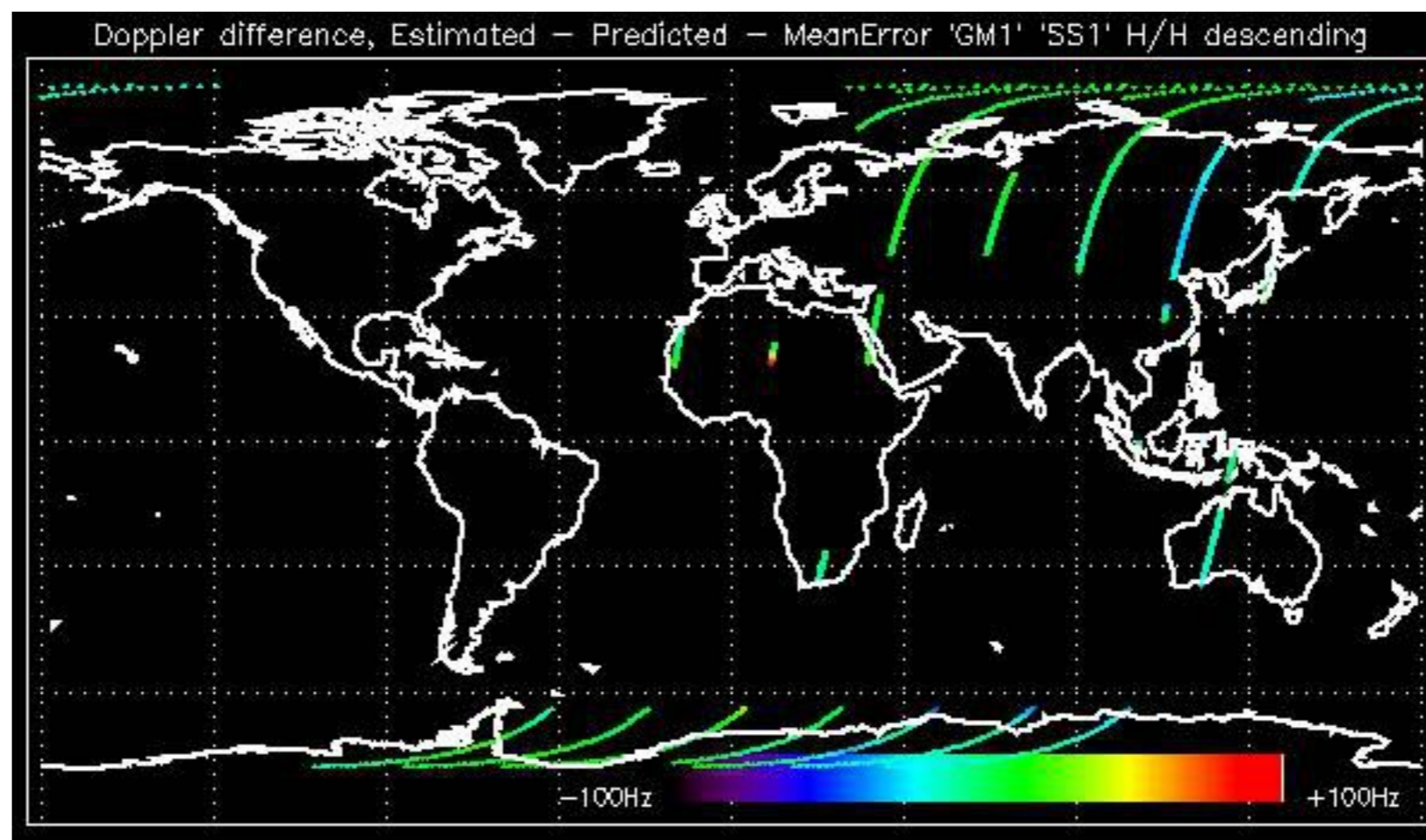


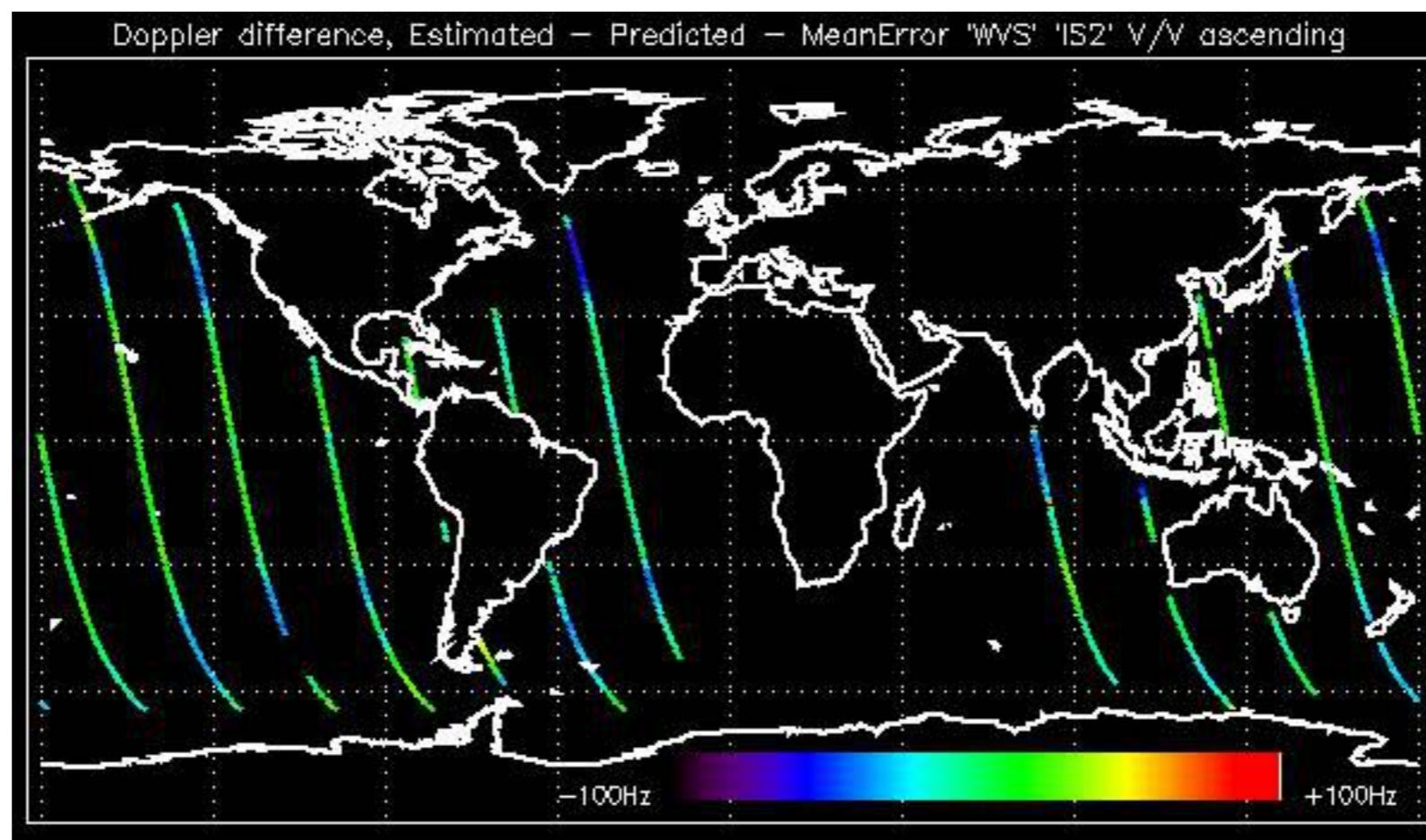


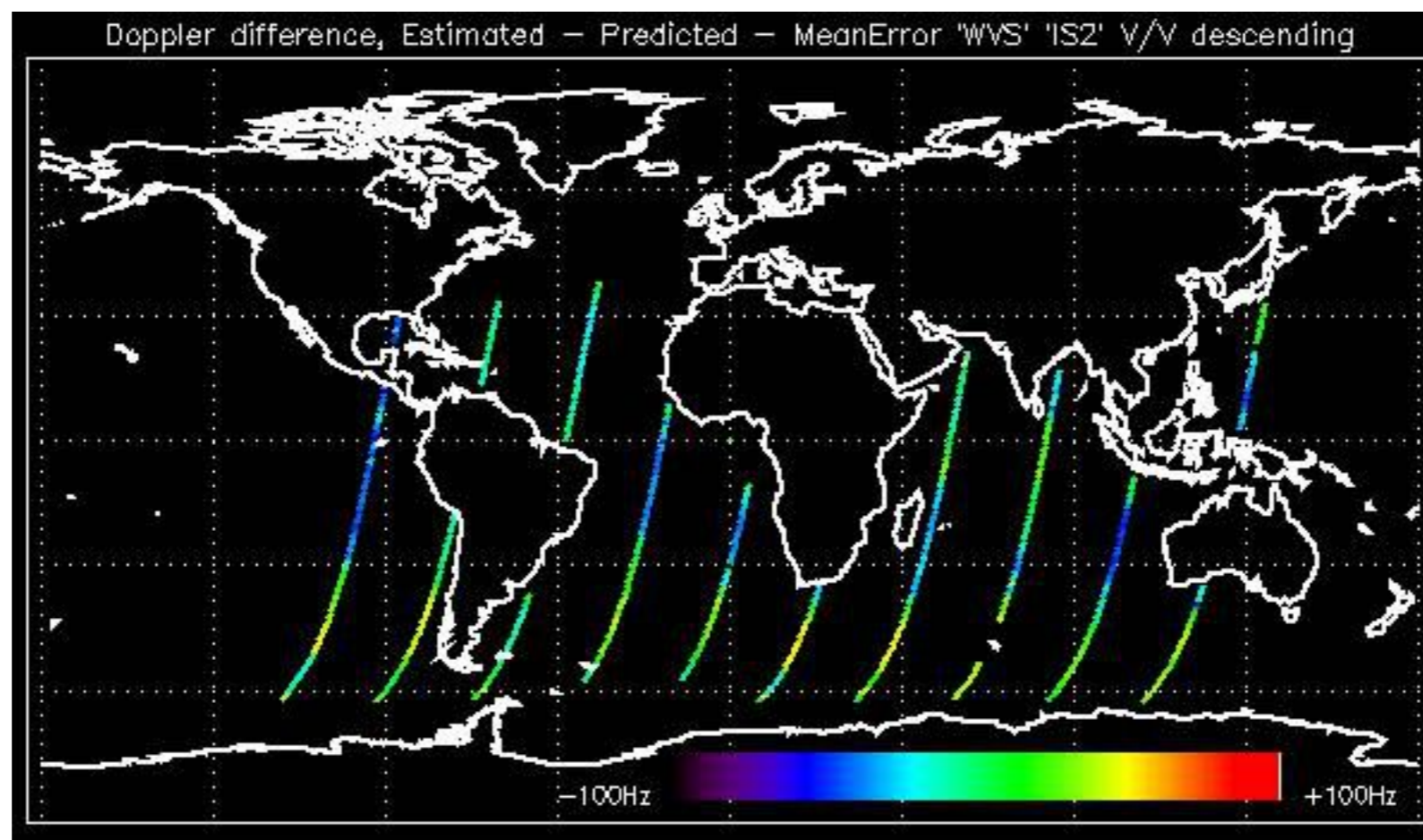


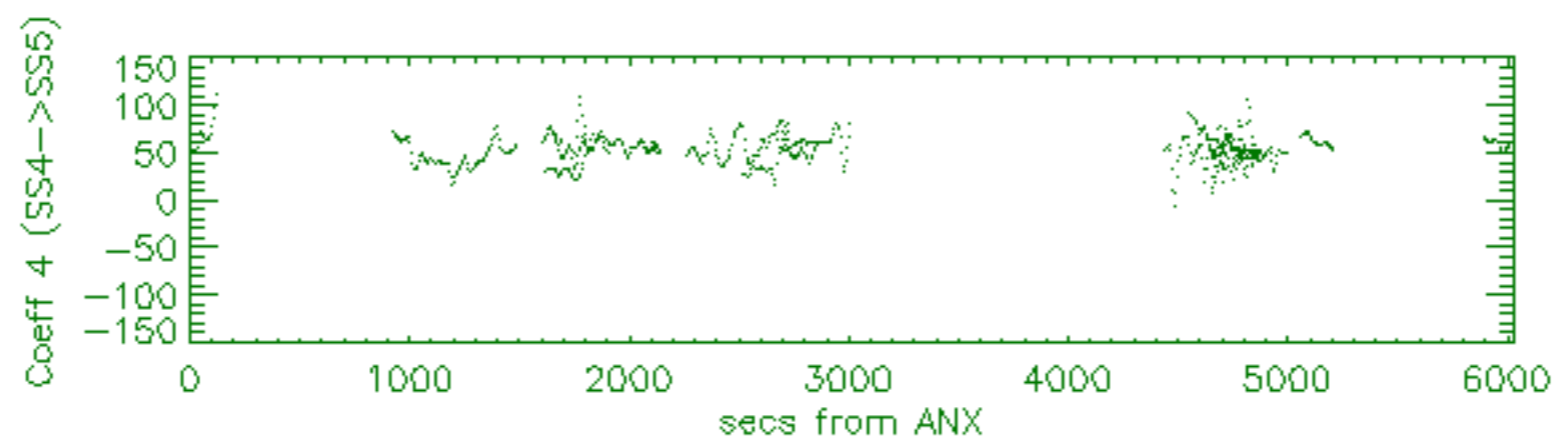
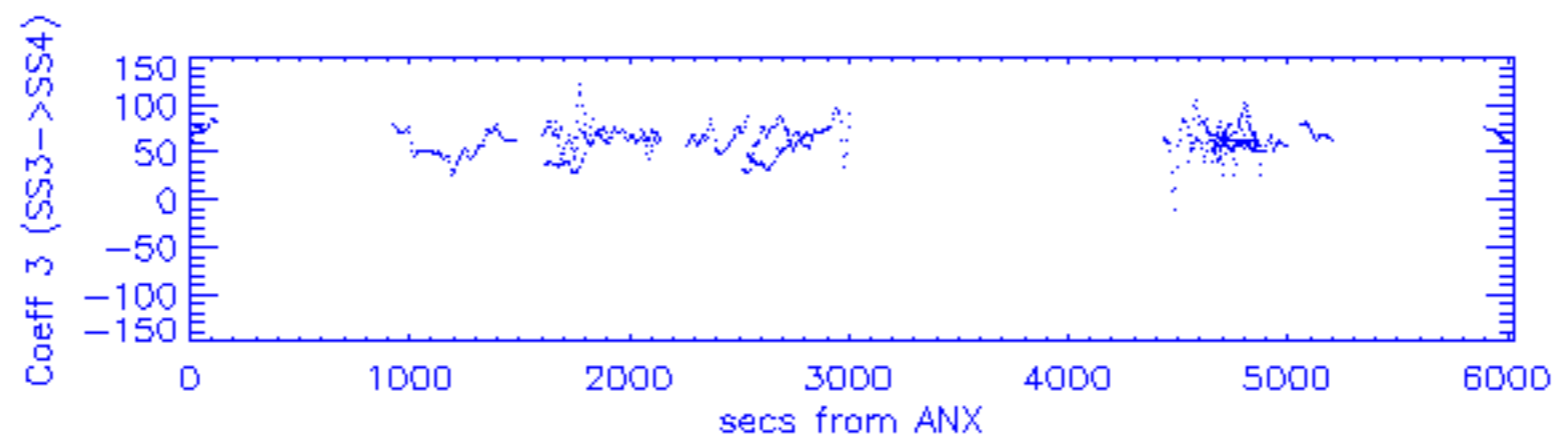
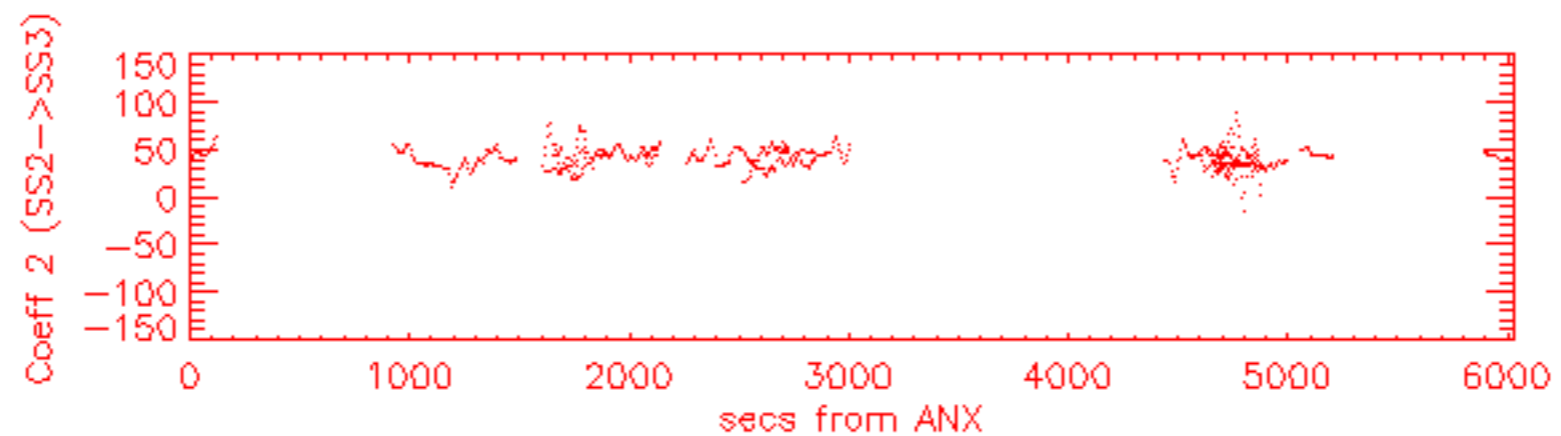
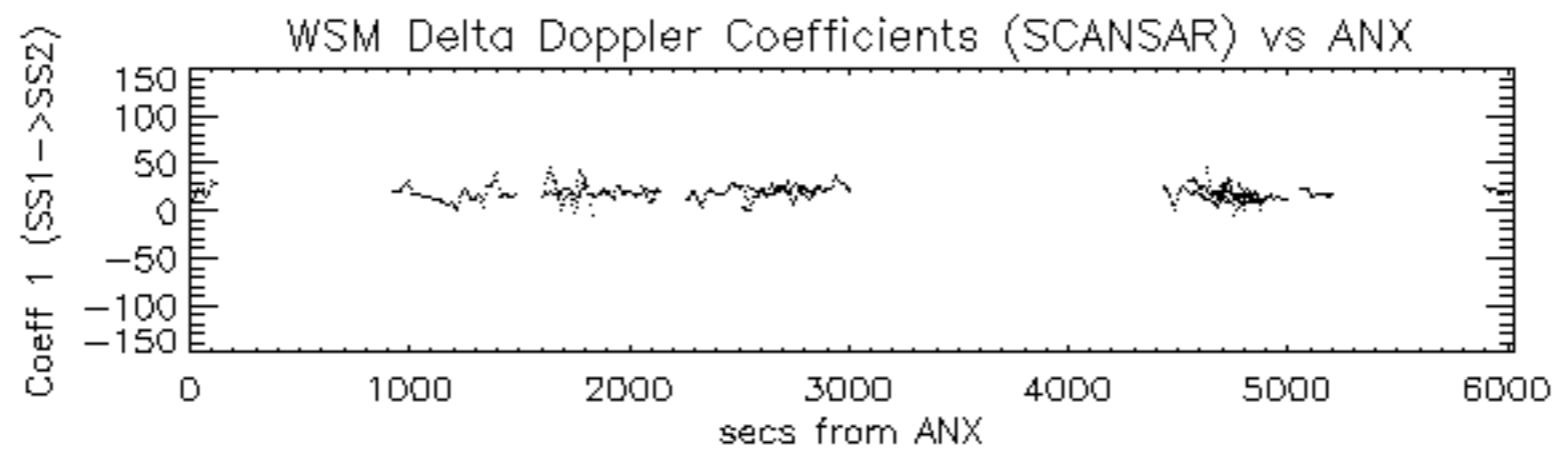


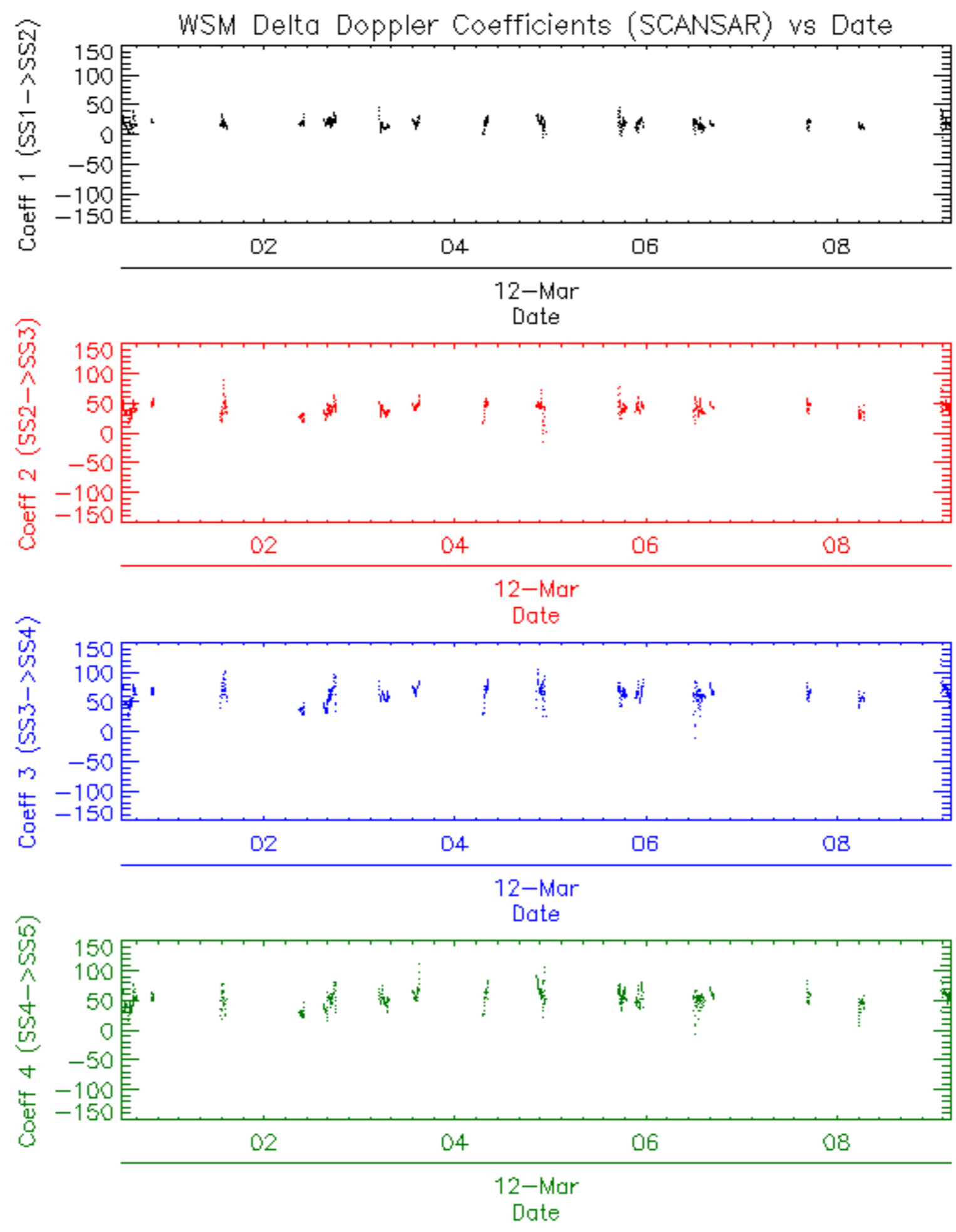


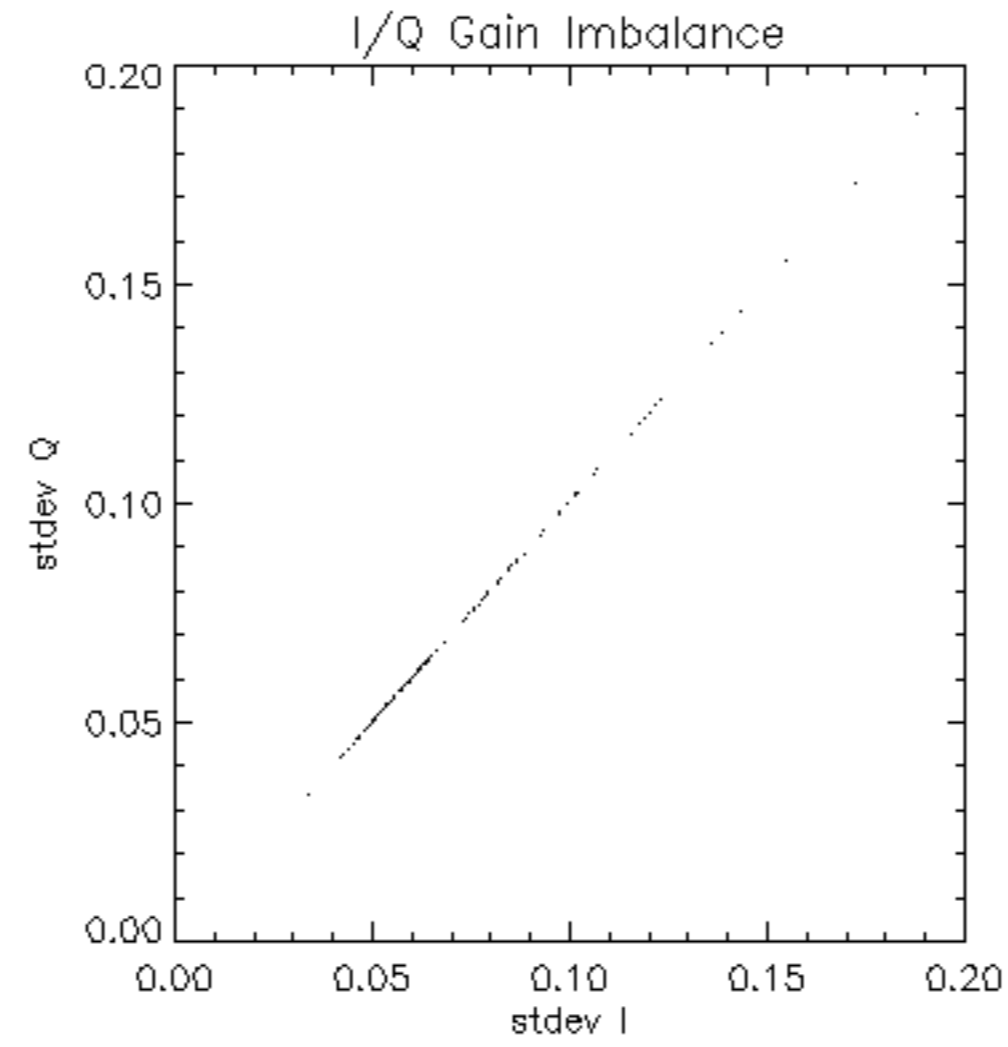


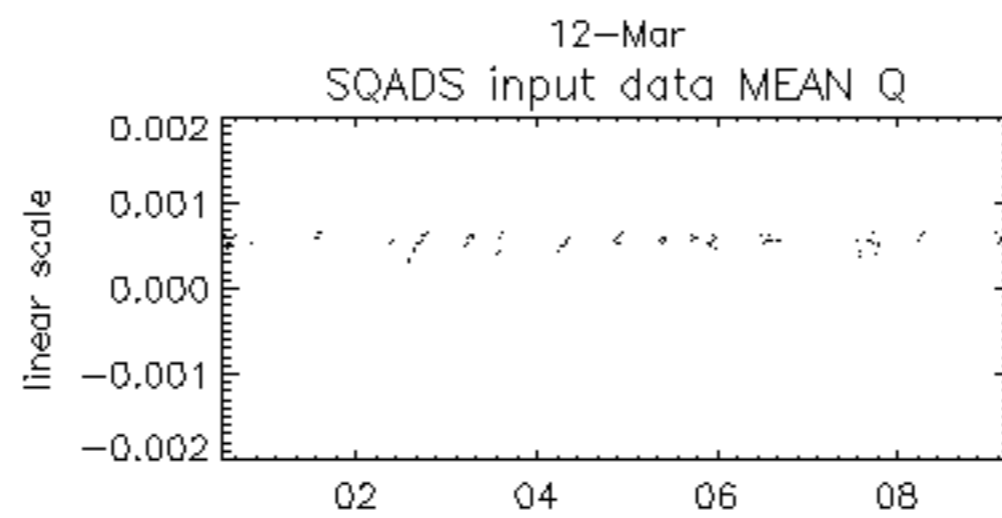
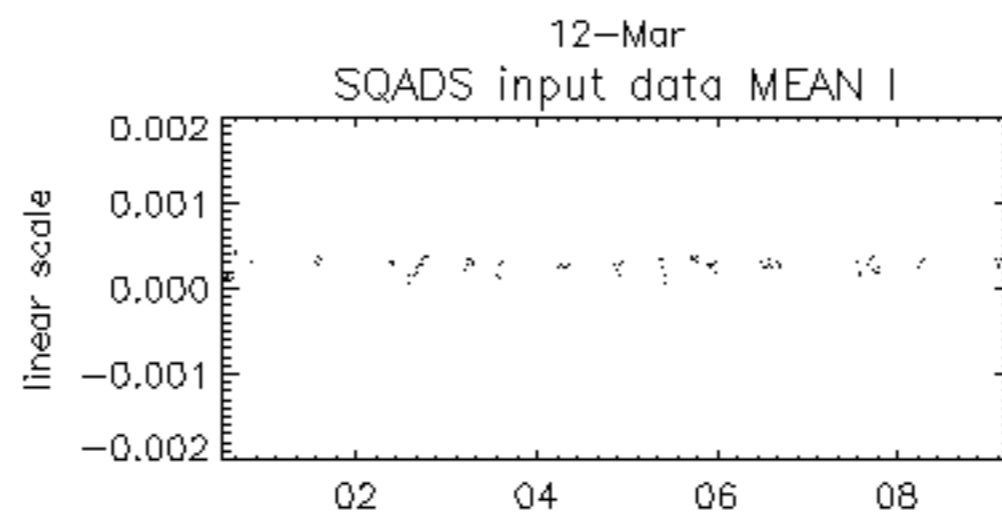
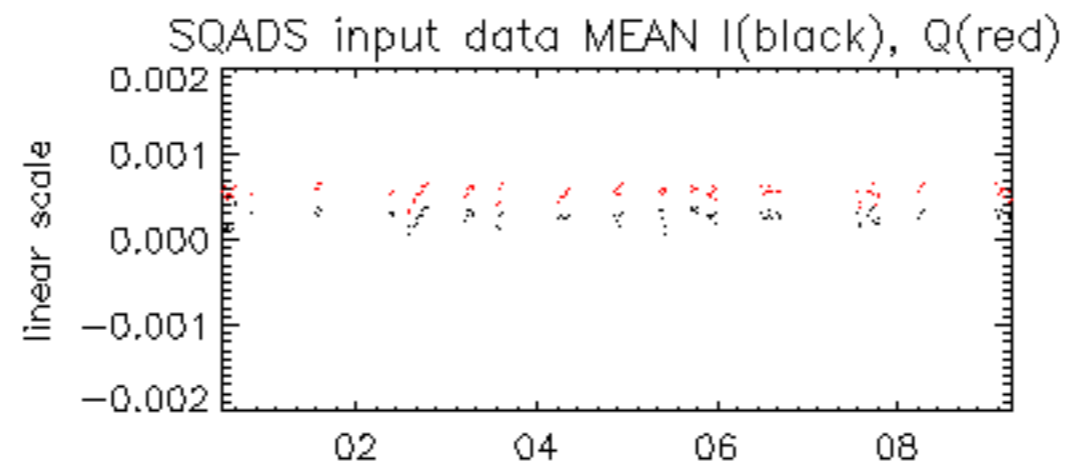




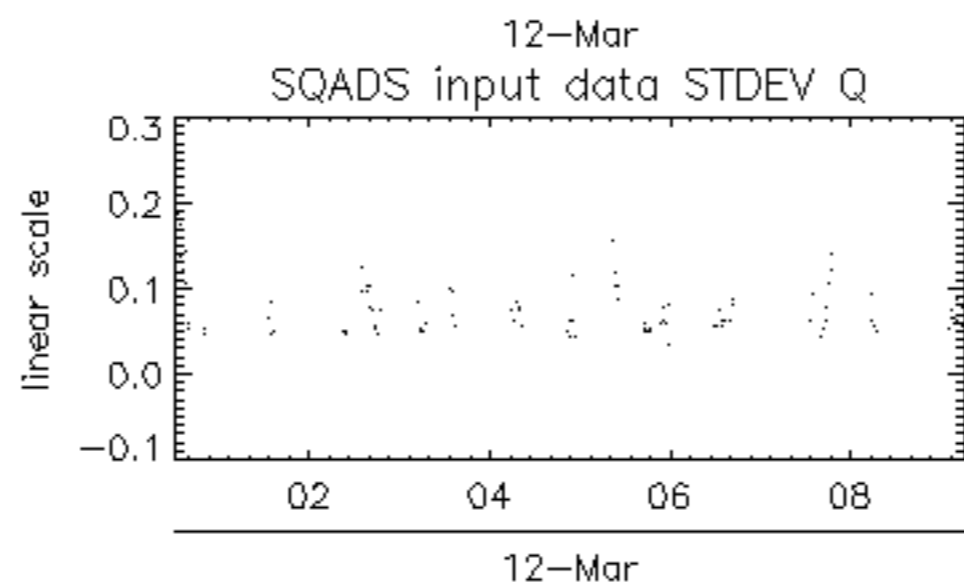
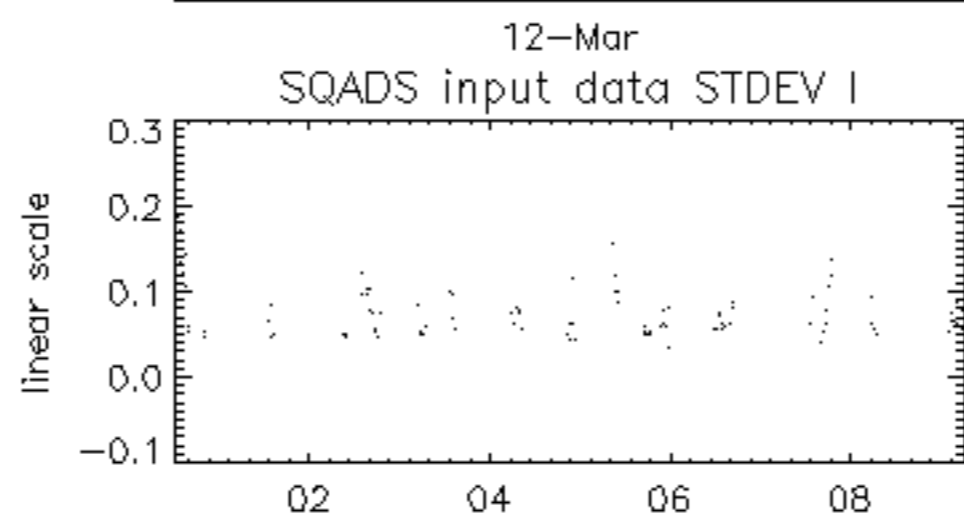
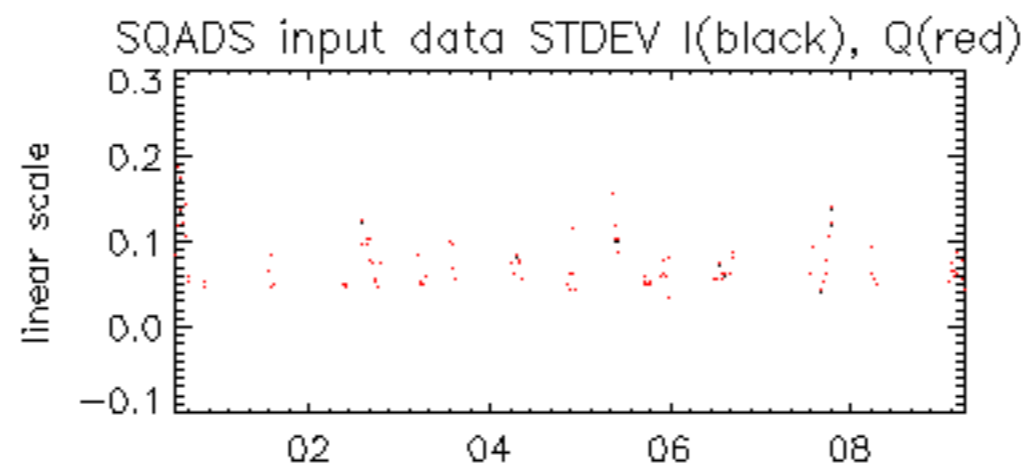


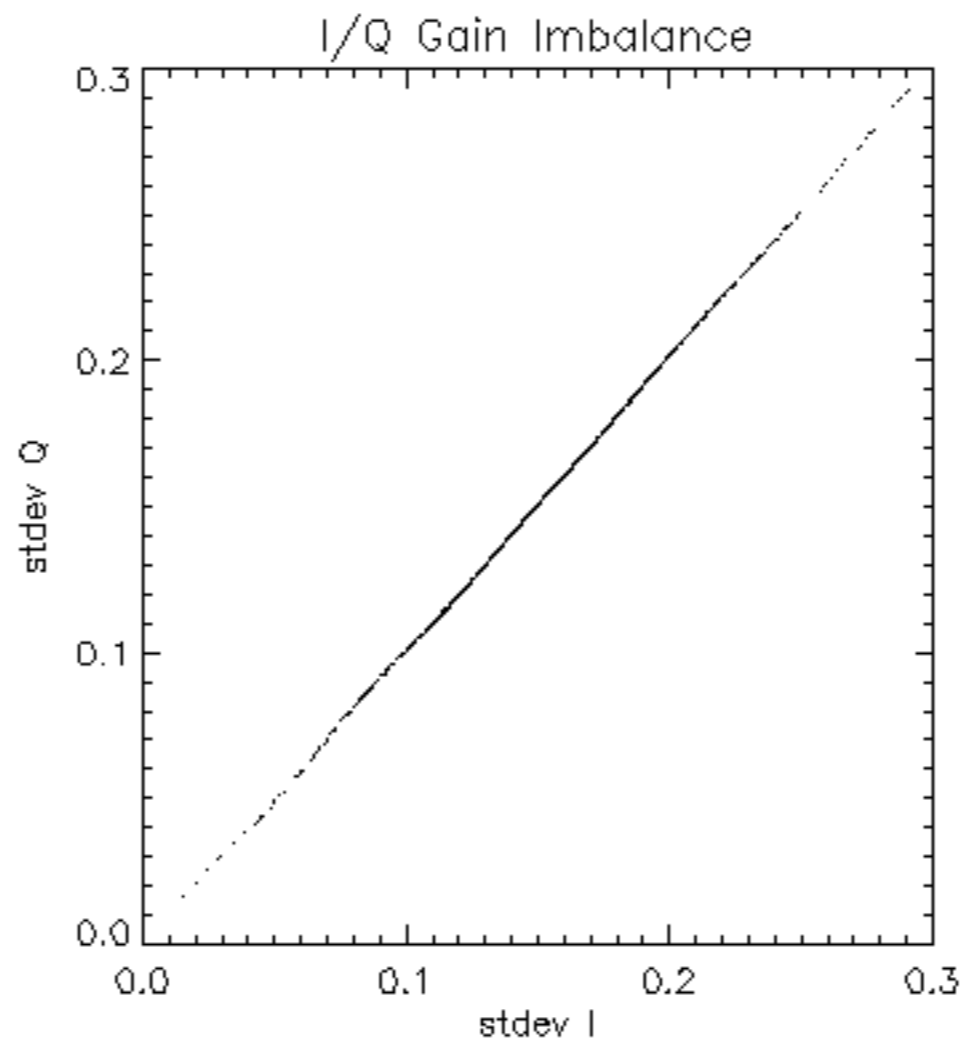


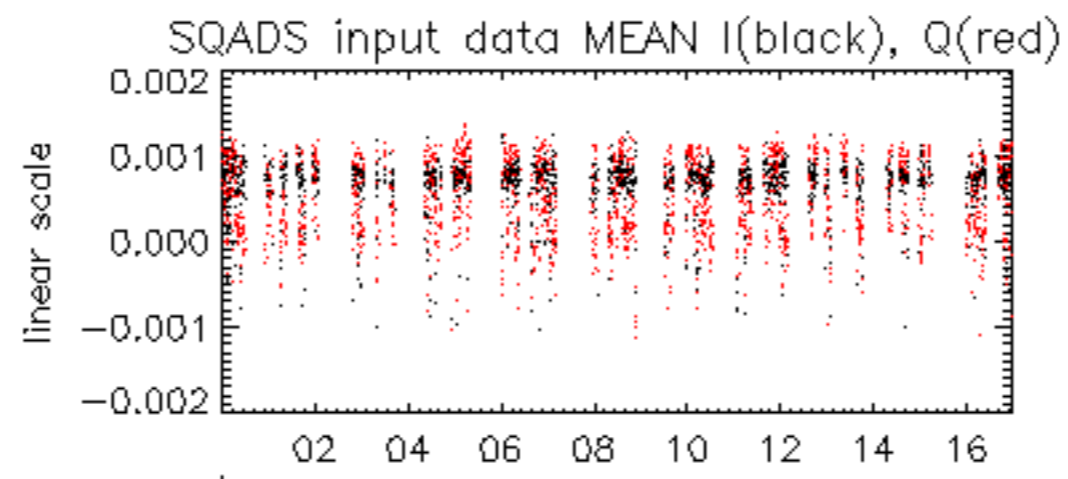




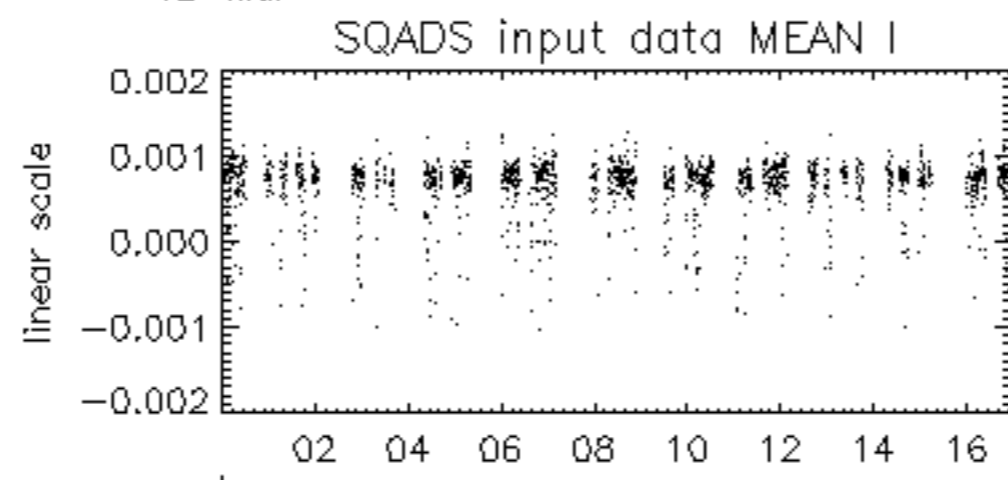
12-Mar



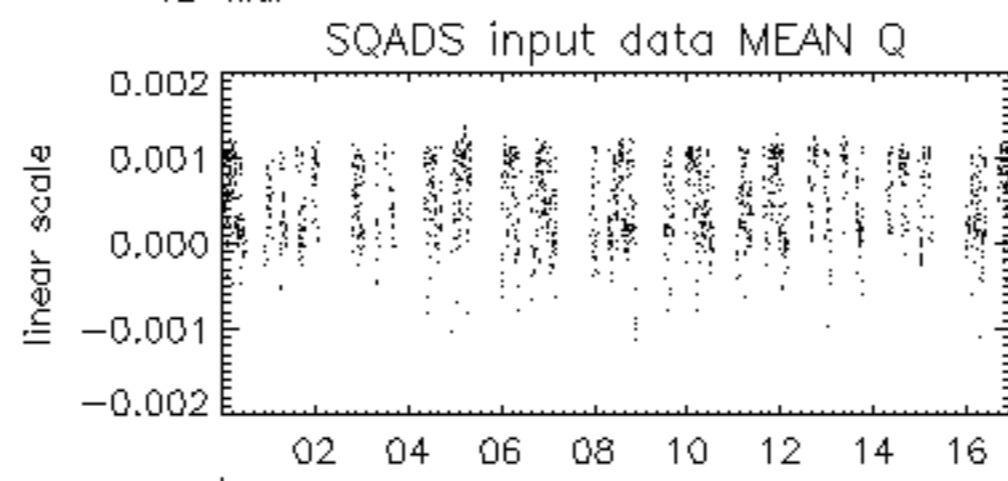




12-Mar



12-Mar



12-Mar

