



Analysis from 12-APR-2011 00:00:00 to 12-APR-2011 23:59:59. Page generated on 14-APR-2011 09:00:34.
View log file: ASAR_Daily_Report_20110414_0900.log. For any anomalies please contact emma.griffiths@vegaspace.com, kajal.haria@vegaspace.com.

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

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1 - DATA SUMMARY

1.1 - Summary tables

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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	1	PDE	WS	H/H	40	PDE	IS3	V/H	1	PDE	IS3	V/V	1	PDE	WS	H/H	31	PDK	2011-04-12 12:43:49	H	320
PDE	IS2	V/V	28	PDK	WS	H/H	46	PDE	IS4	H/H	2	PDE	IS6	H/H	4	PDE	WS	V/V	4	PDK	2011-04-12 14:24:03	V	320
PDK	IS2	V/V	27					PDE	IS4	V/H	1	PDK	IS2	V/V	1	PDK	WS	H/H	12				
								PDE	IS4	V/V	1					PDK	WS	V/V	1				
								PDE	IS5	H/H	1												
								PDE	IS6	H/H	1												

1.2 - Lists of products used

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[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

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No IECF ADFs list available

2.2 - Products with wrong ADFs

[BACK TO MENU]

3 - MODULE STEPPING PRODUCTS ANALYSIS

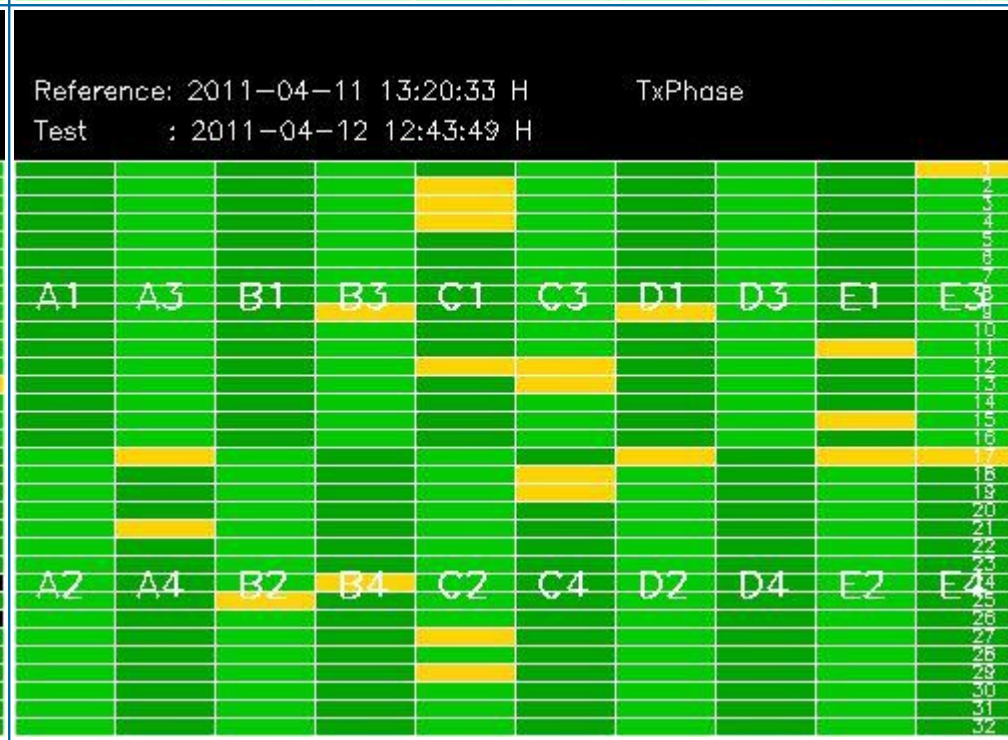
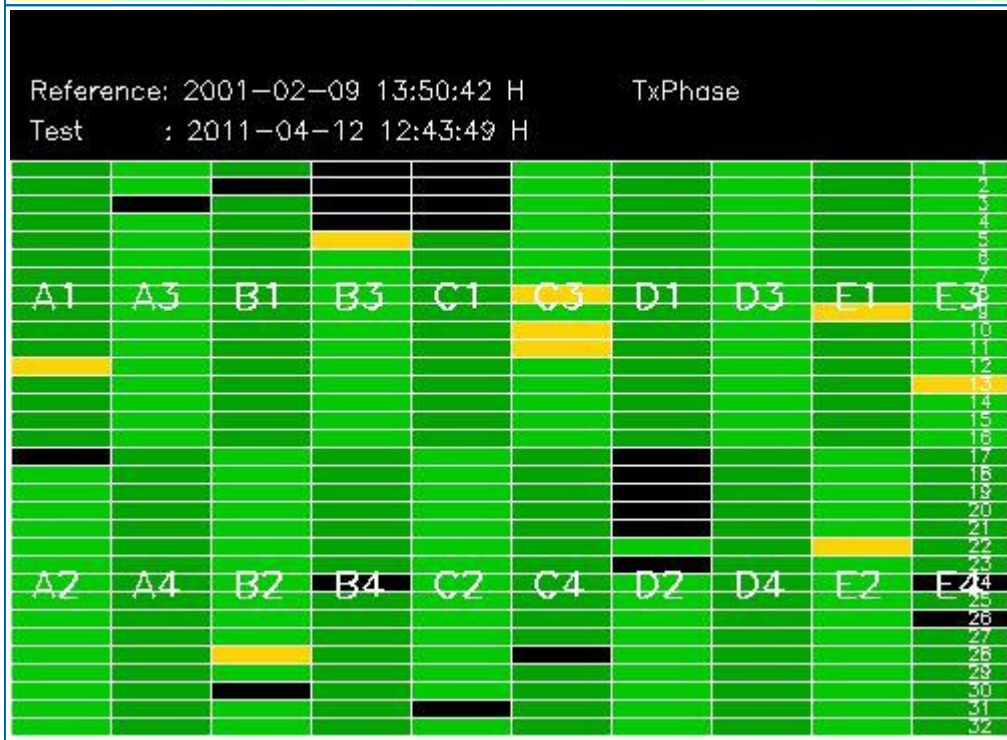
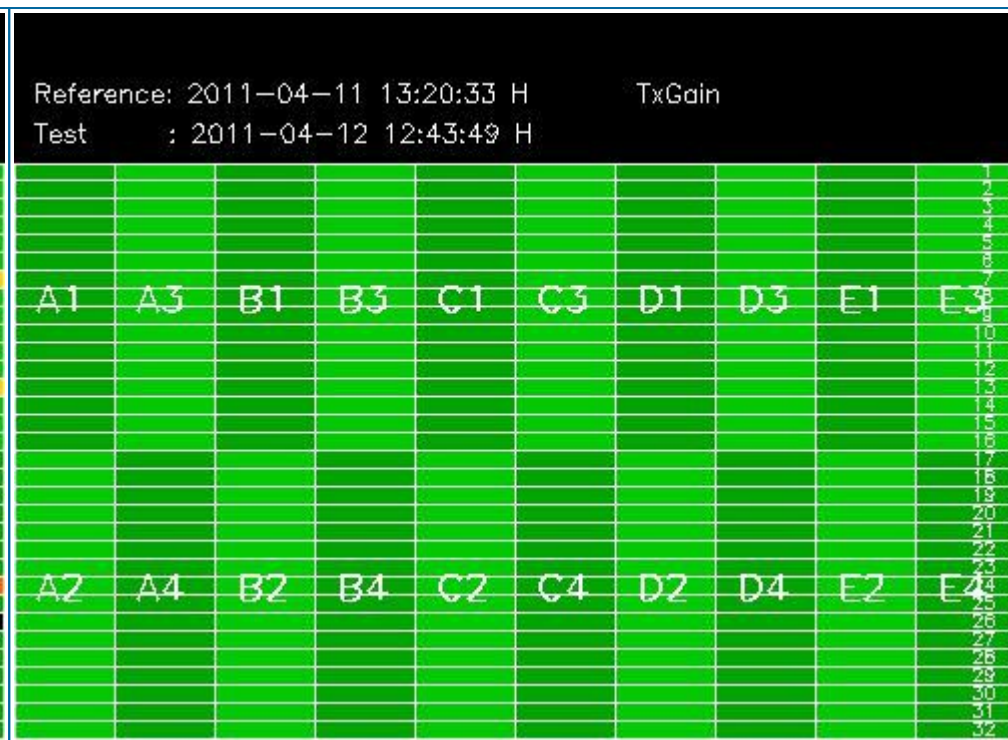
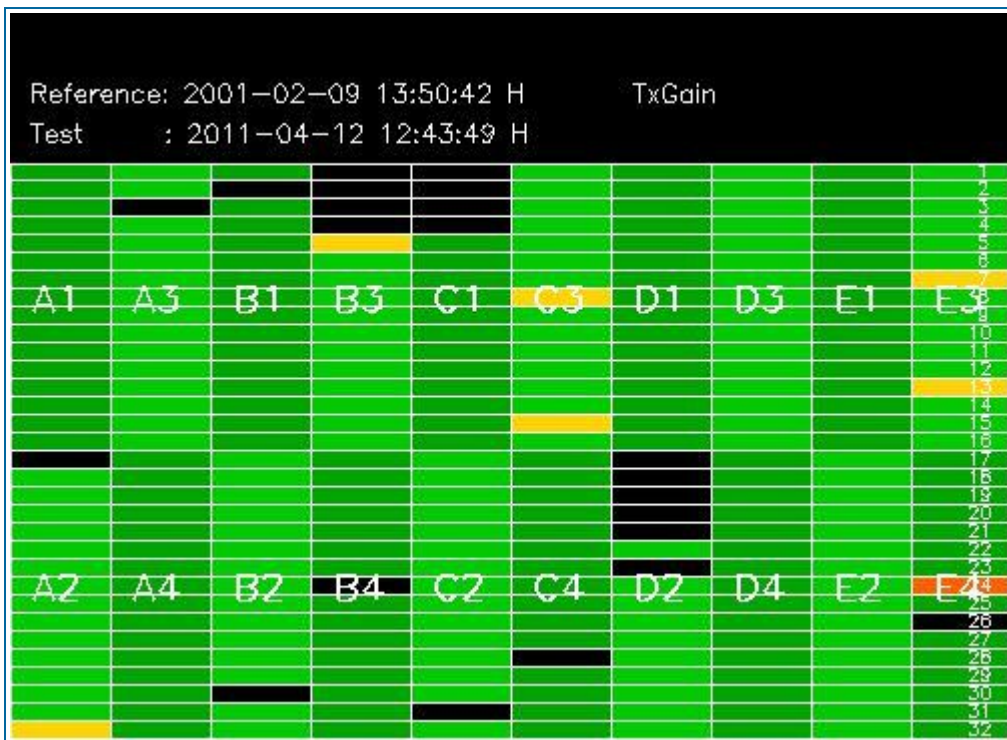
SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation



3.2 - H/H polarisation

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



4 - CALIBRATION PULSES ANALYSIS

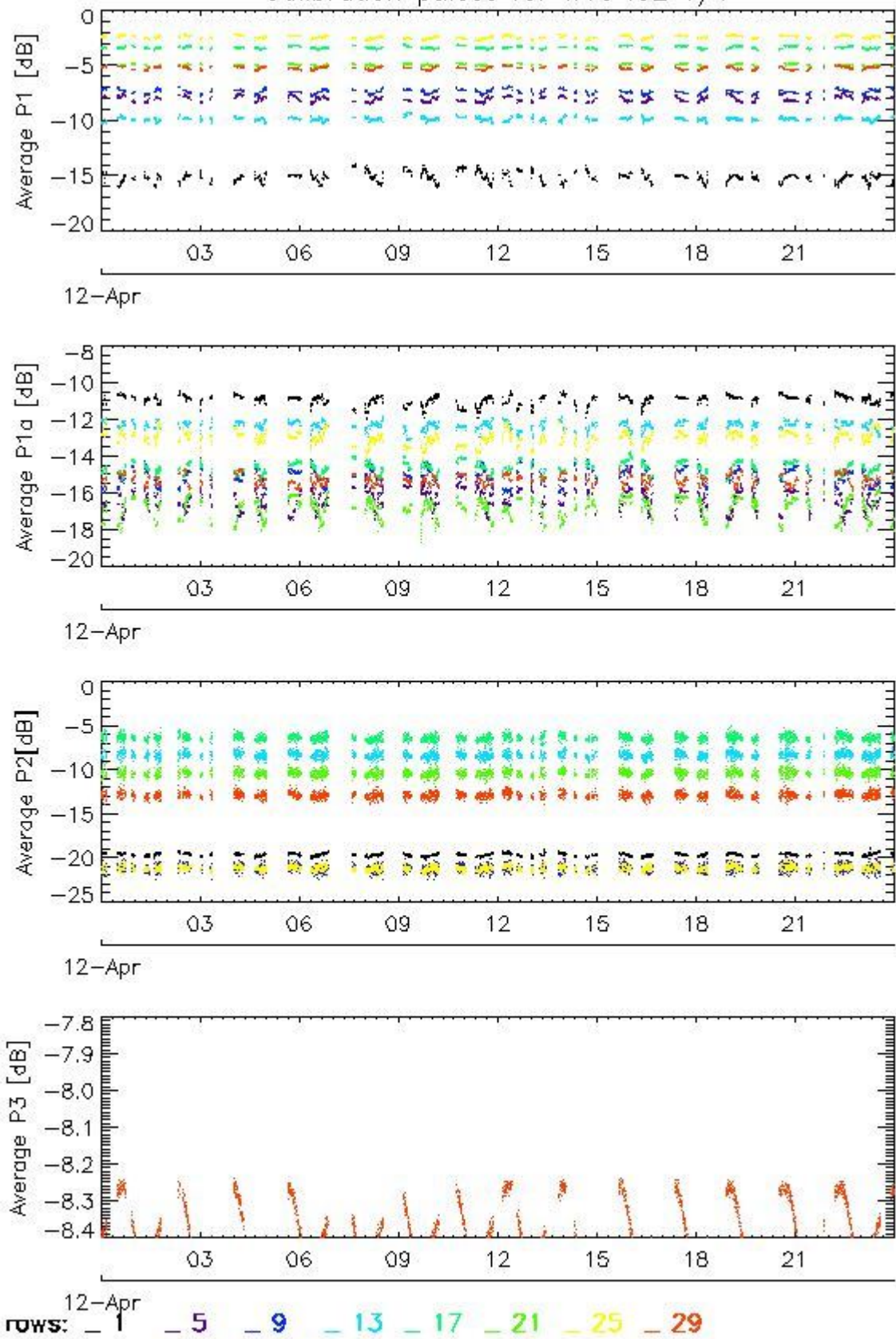
4.1 - Analysis for WVS IS2 V/V

4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

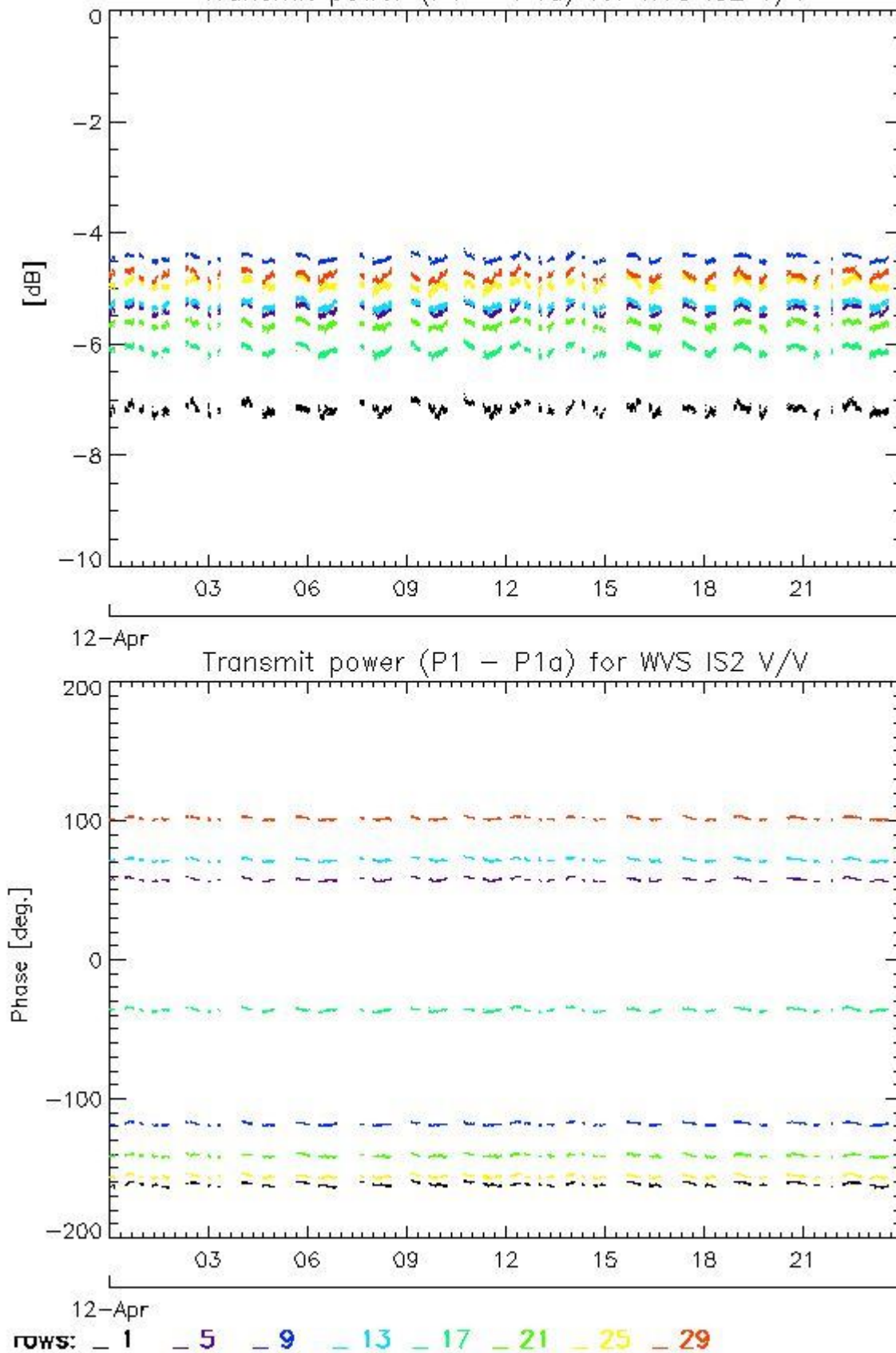
[BACK TO MENU]

<p>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]</p>	<p>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]</p>
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Calibration pulses for WVS IS2 V/V



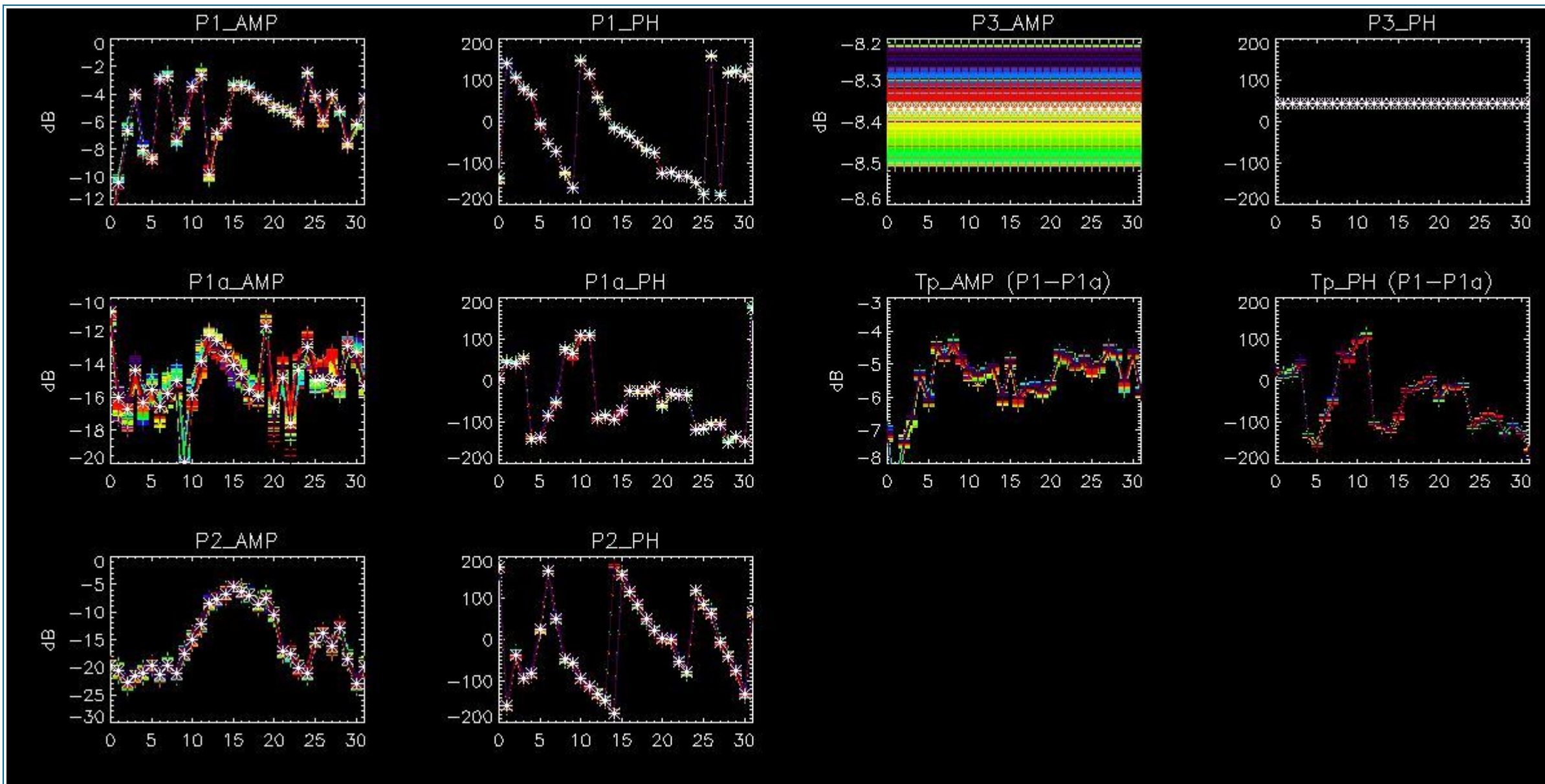
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

[BACK TO MENU]





4.2 - Analysis for GM1 SS3 H/H

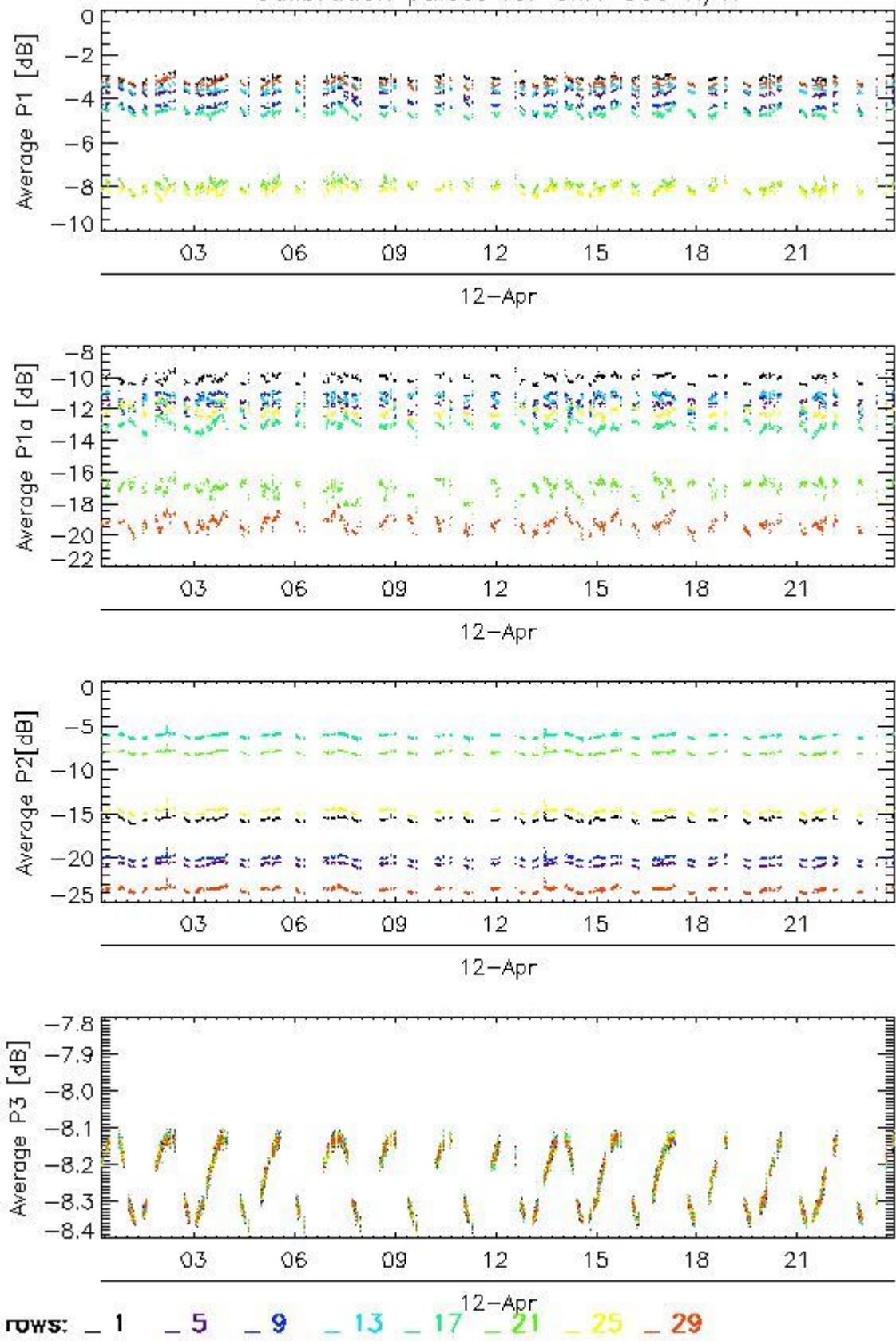
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

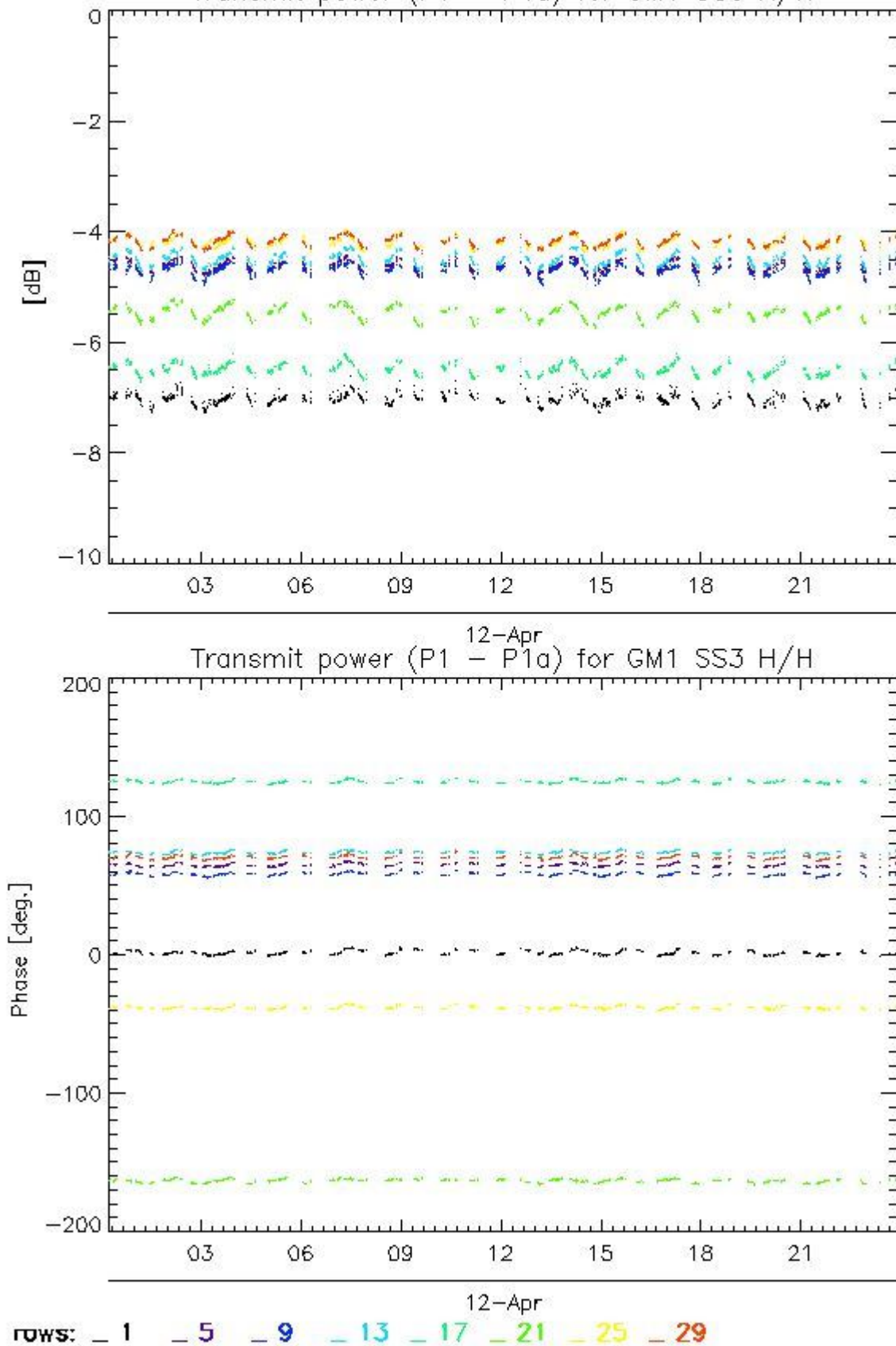
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



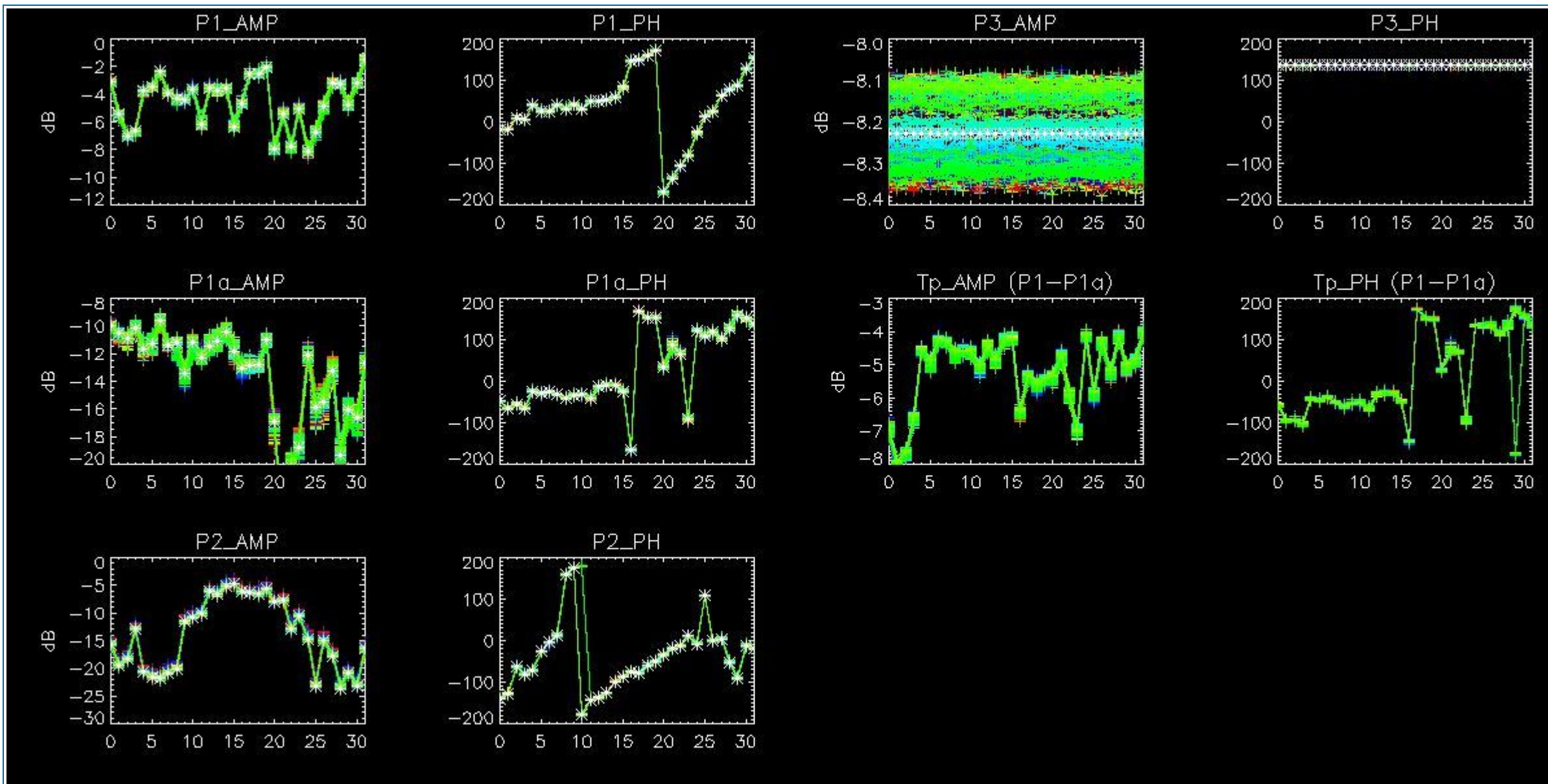
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[[BACK TO MENU](#)]





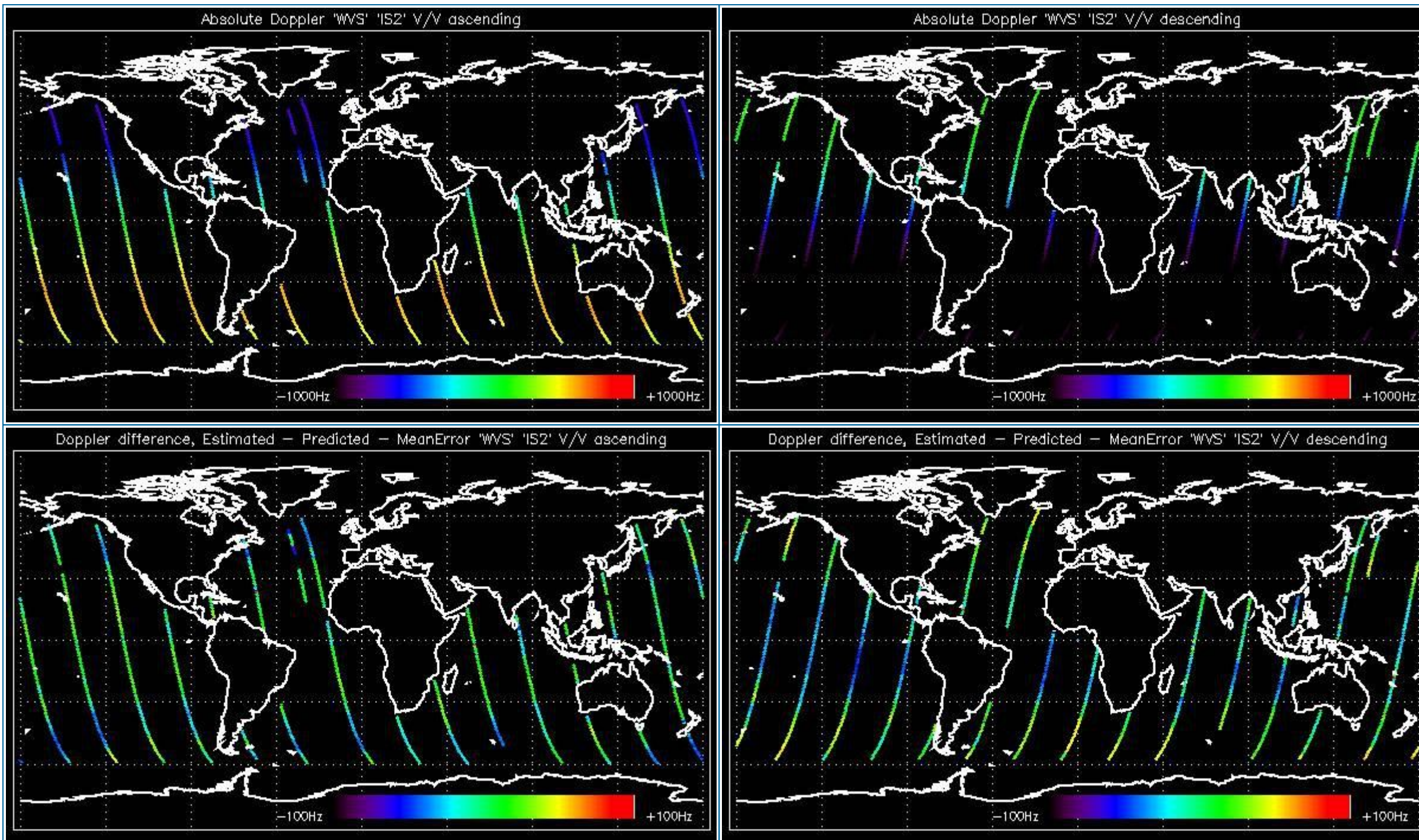
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

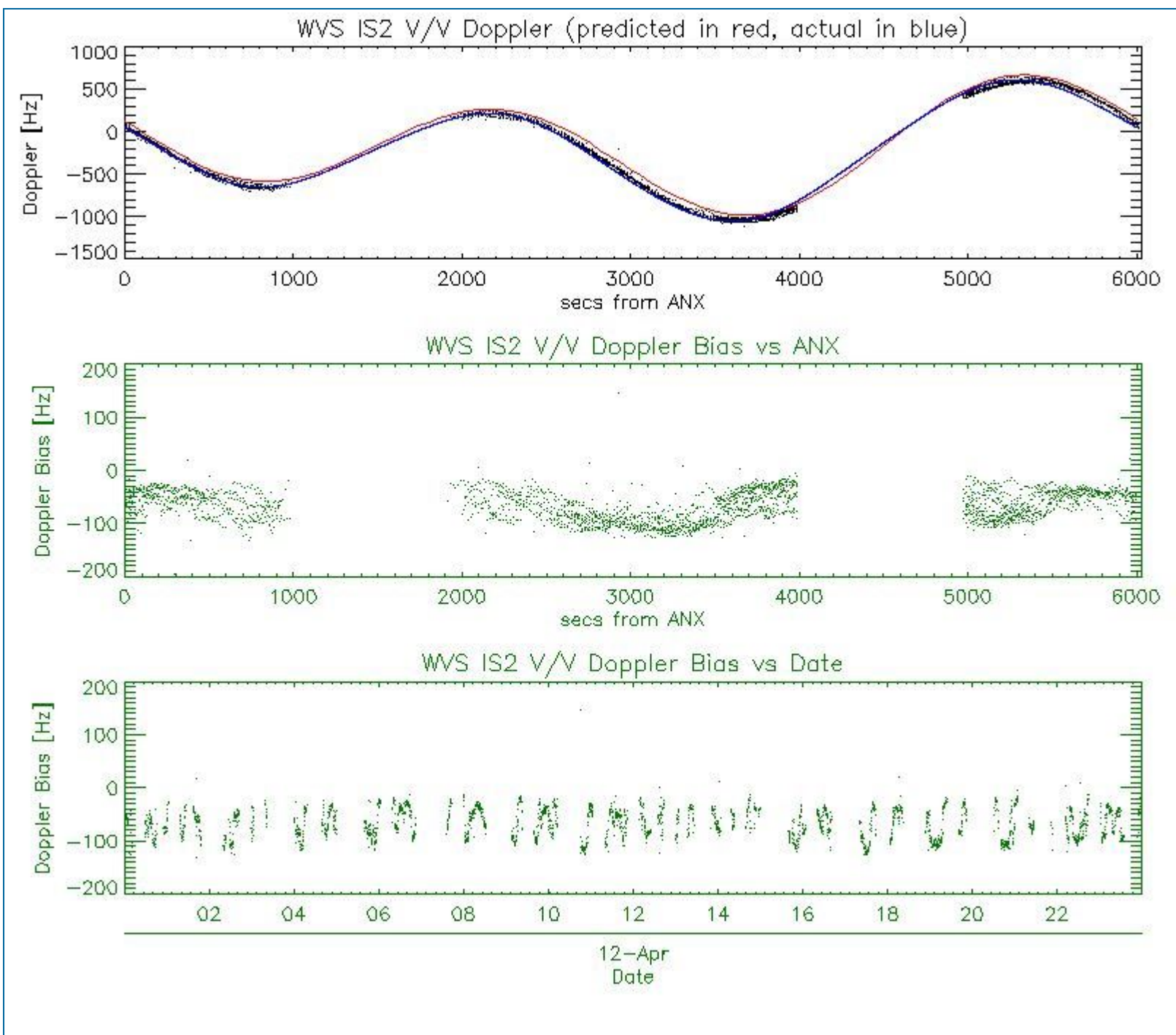




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]



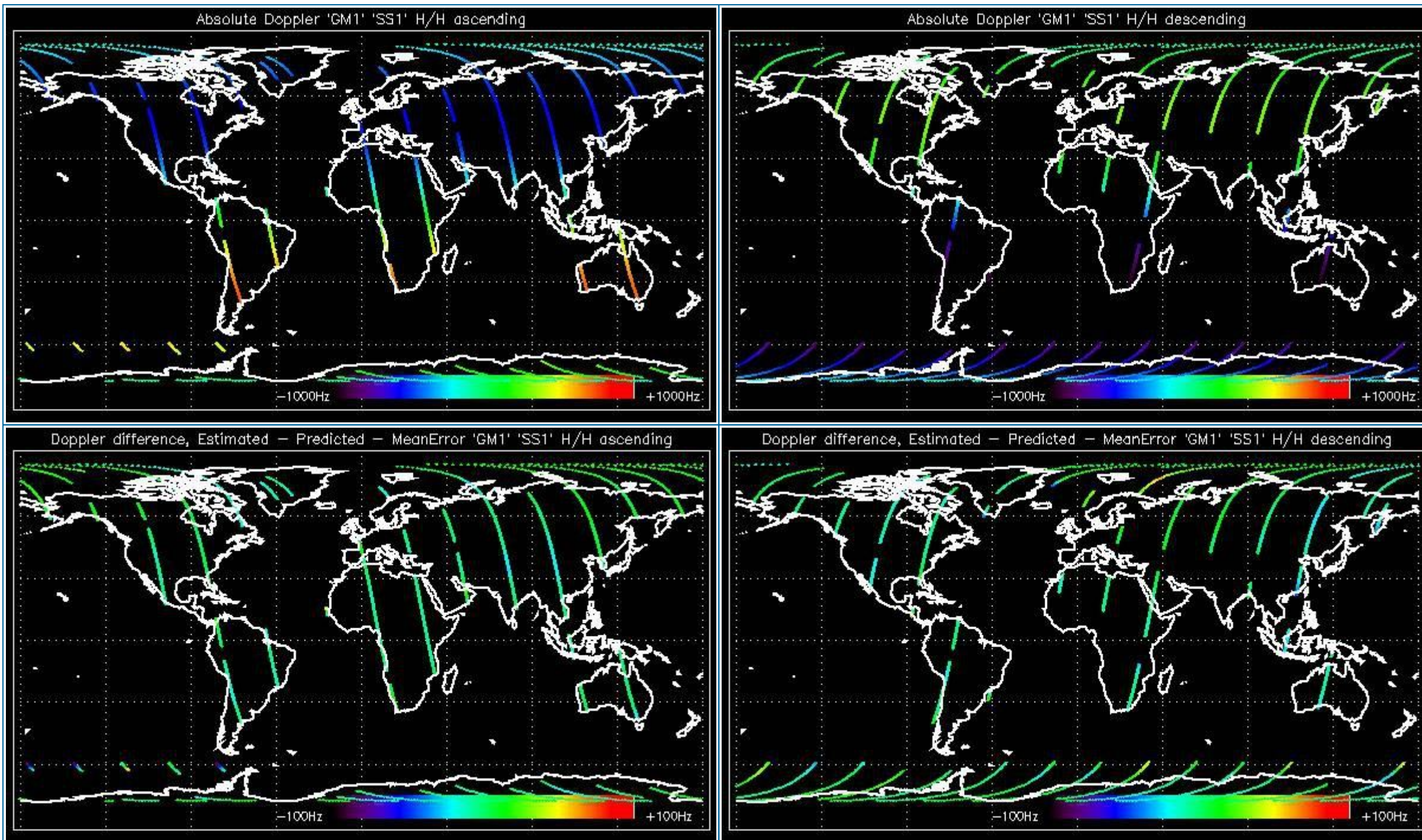


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

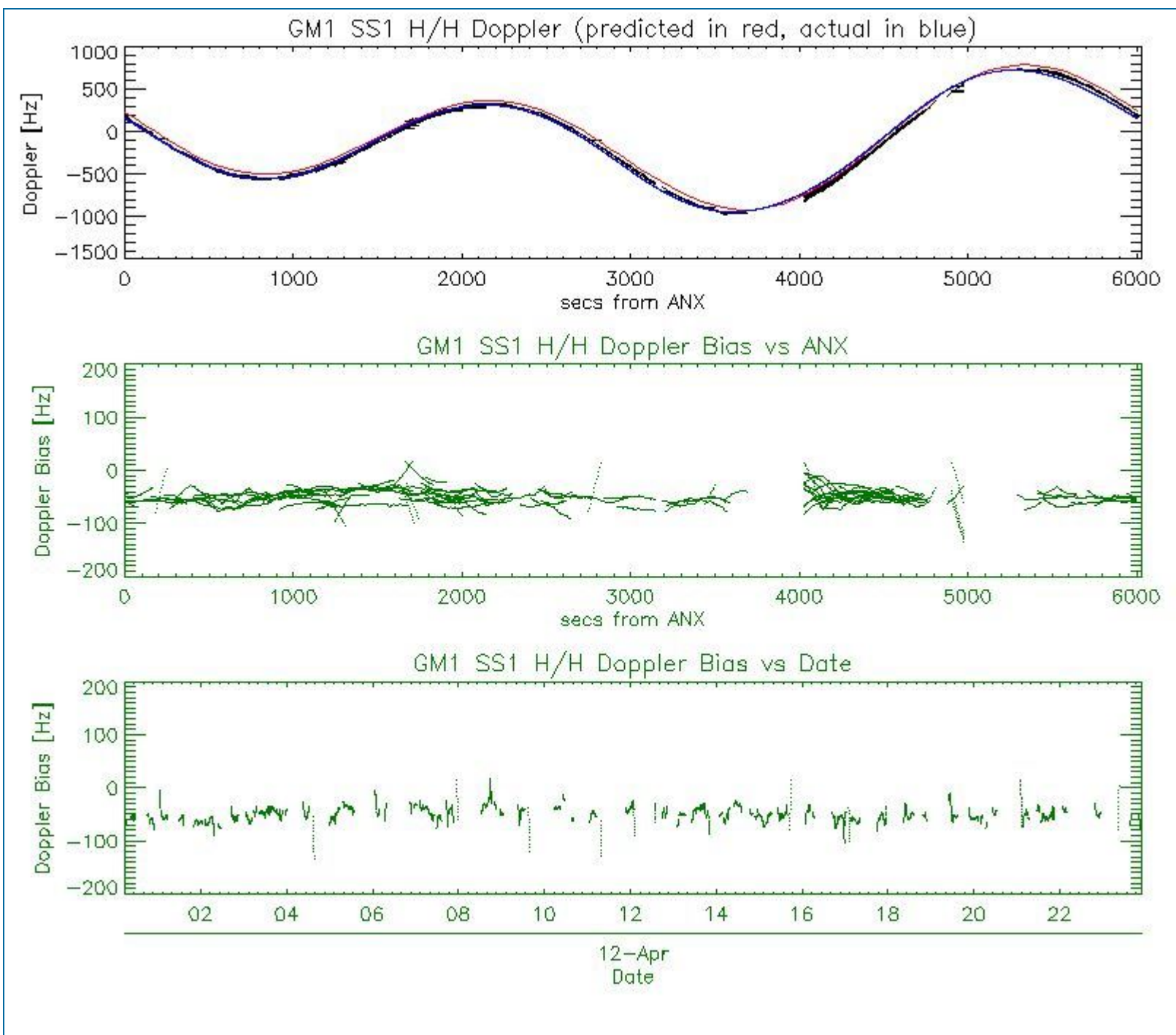




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

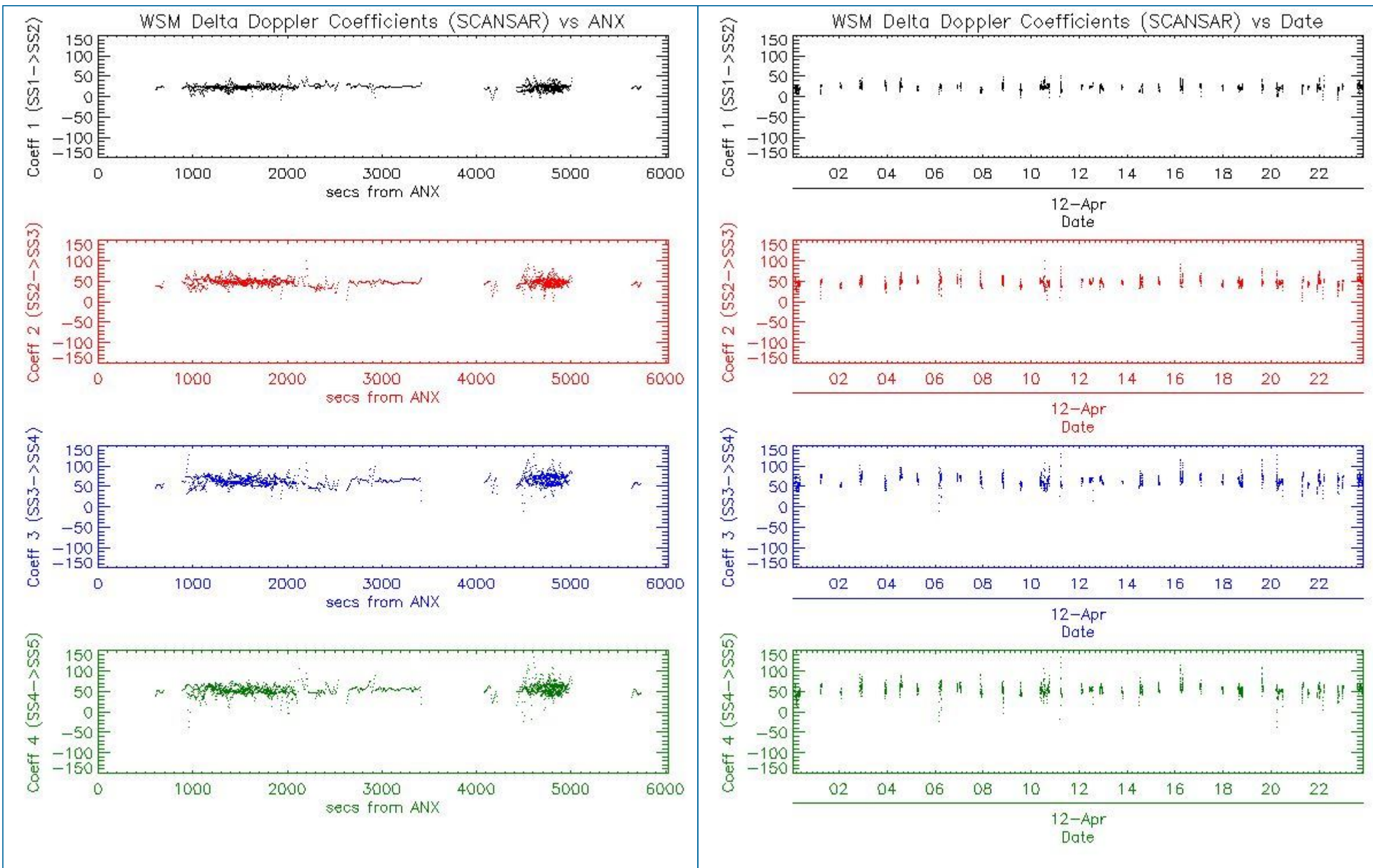




5.3 - Doppler JUMPS Analysis for WSM

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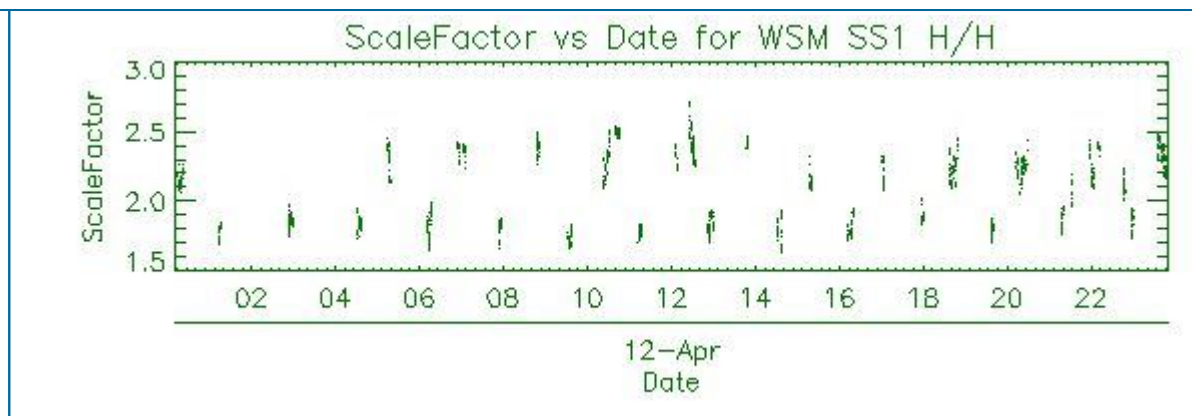
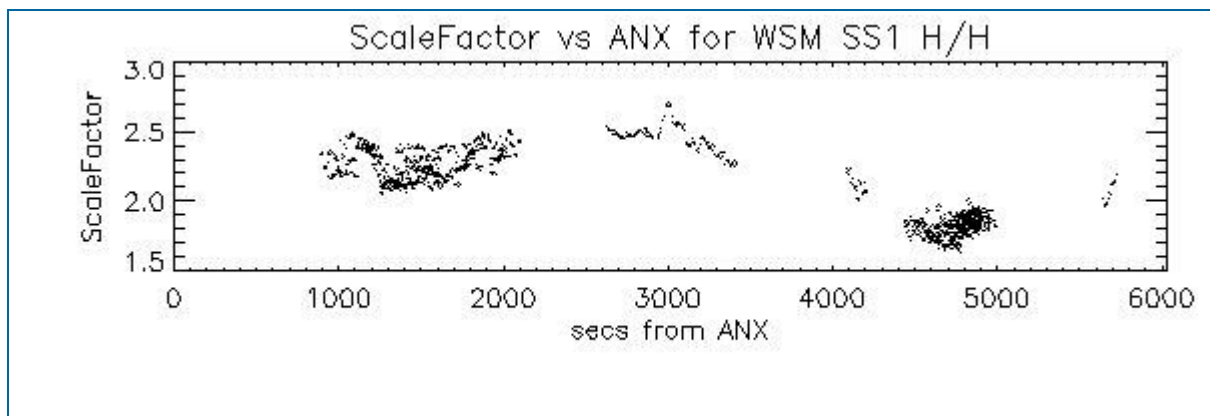
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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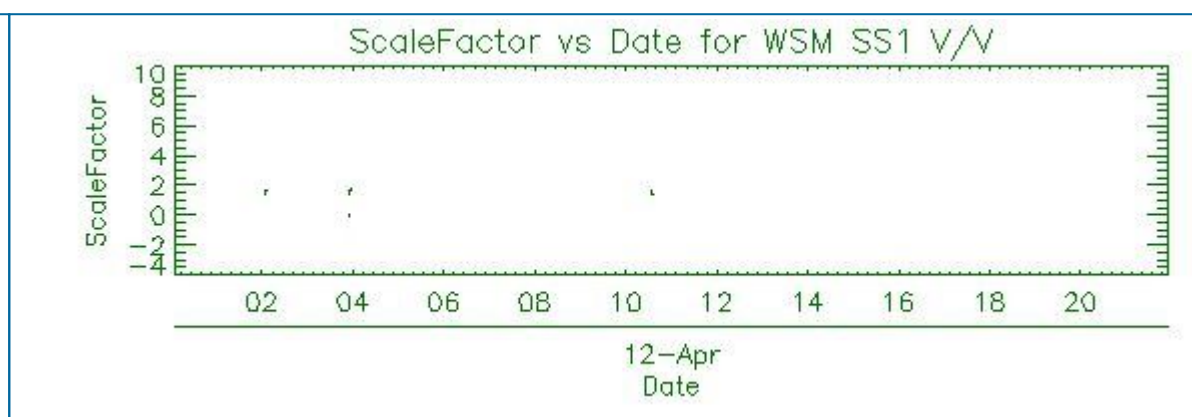
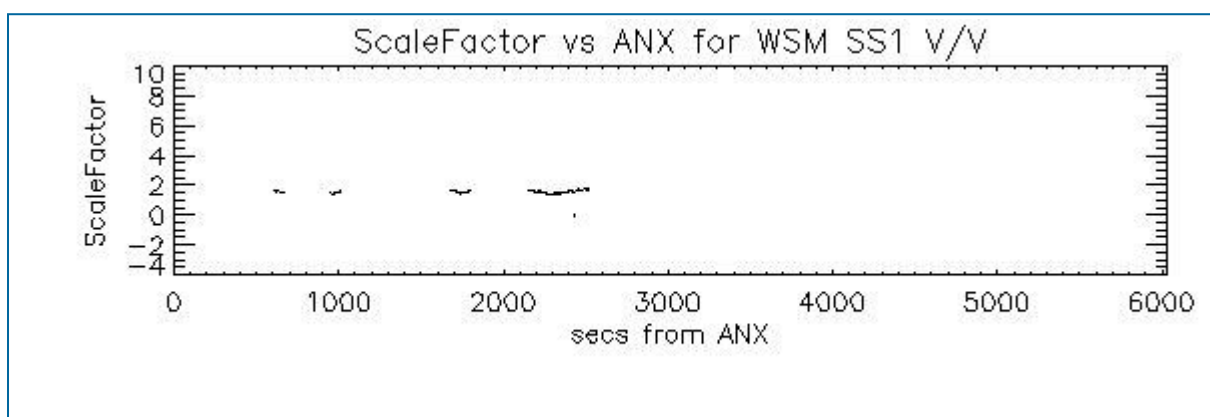




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

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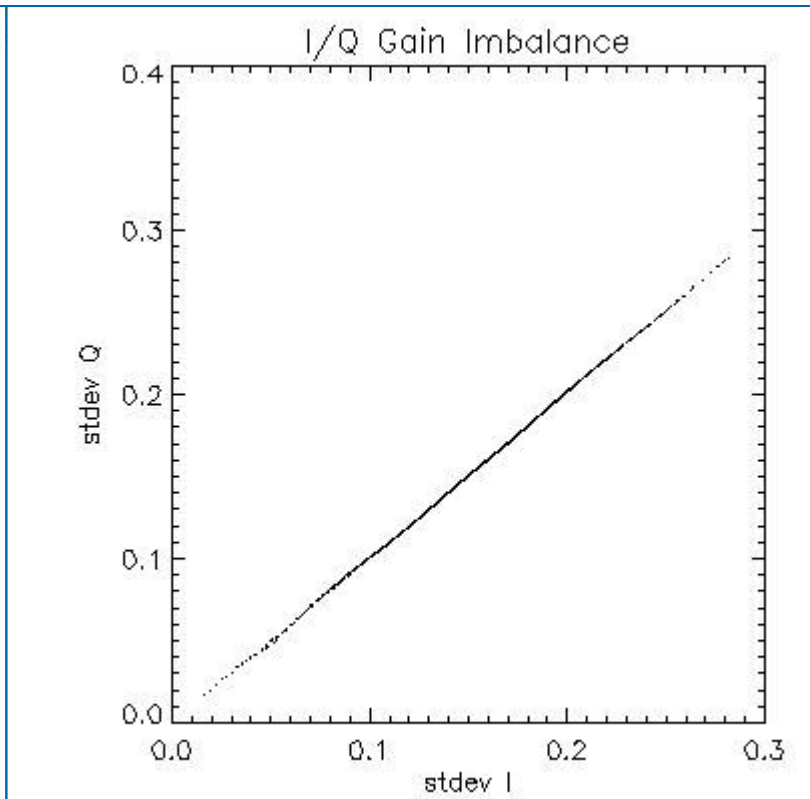
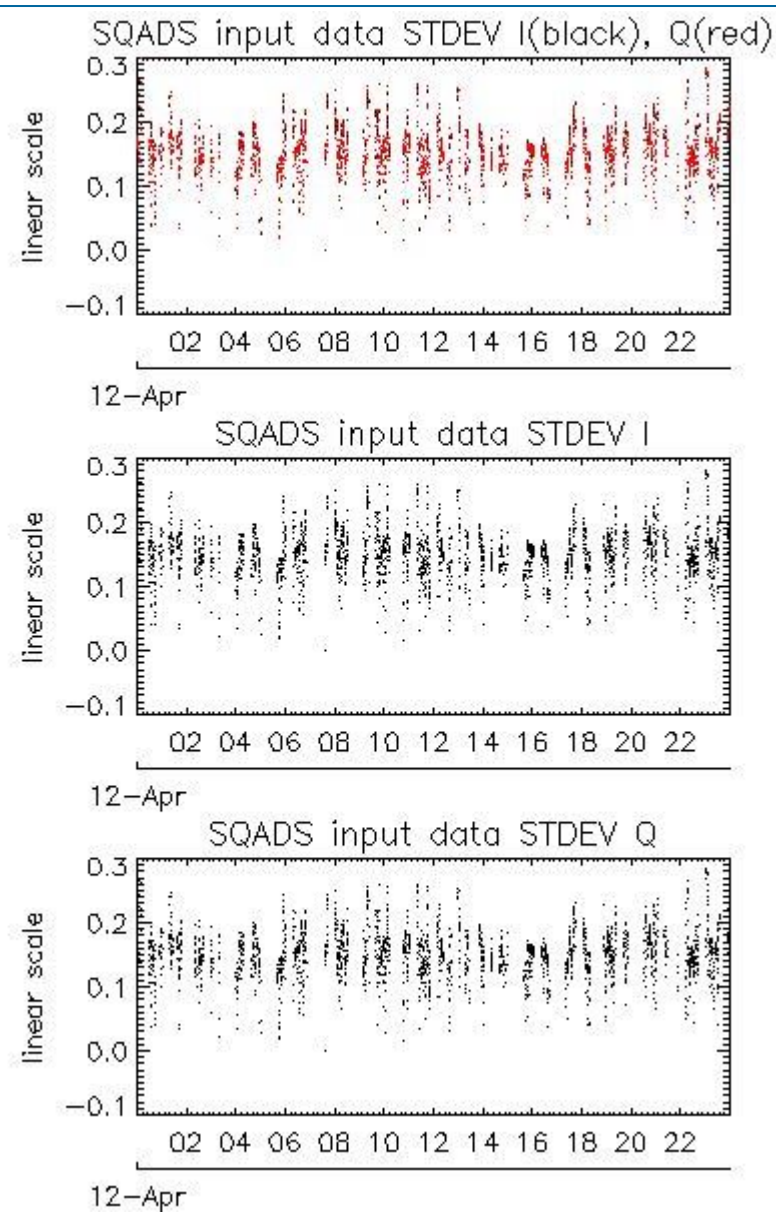
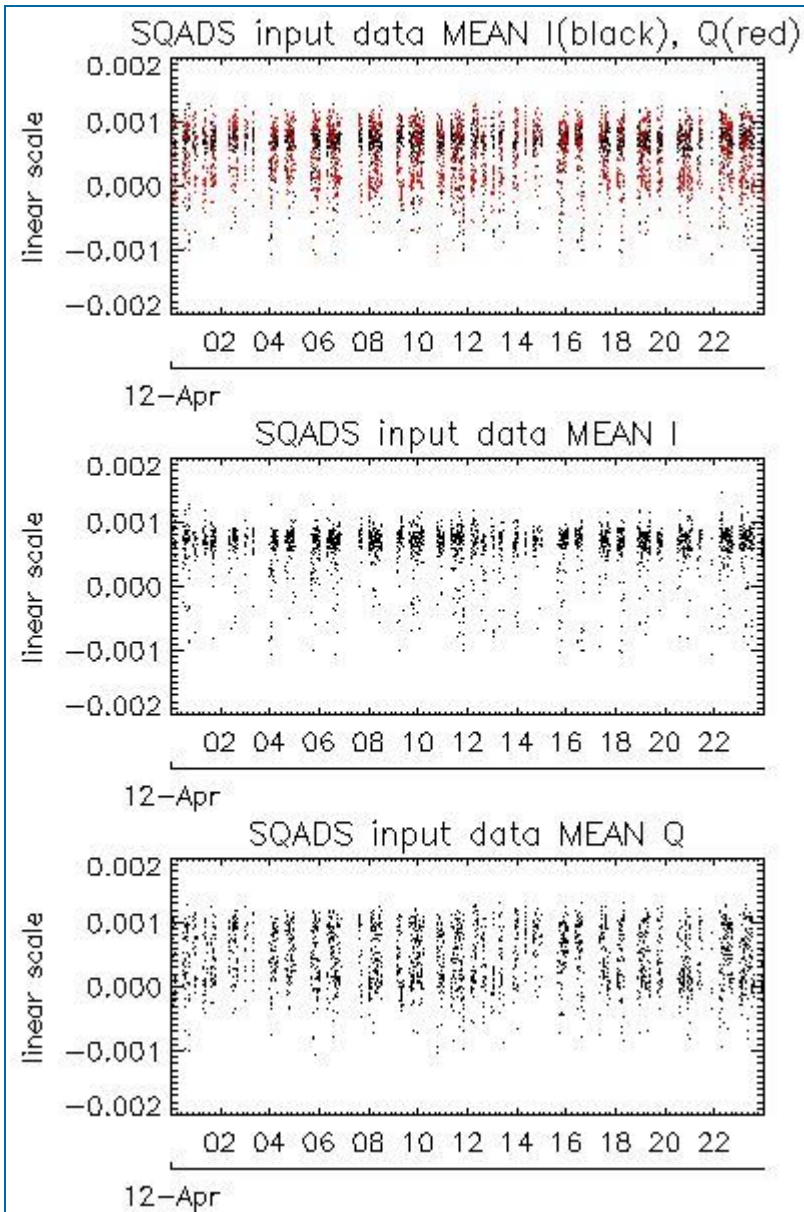


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

[[BACK TO MENU](#)]

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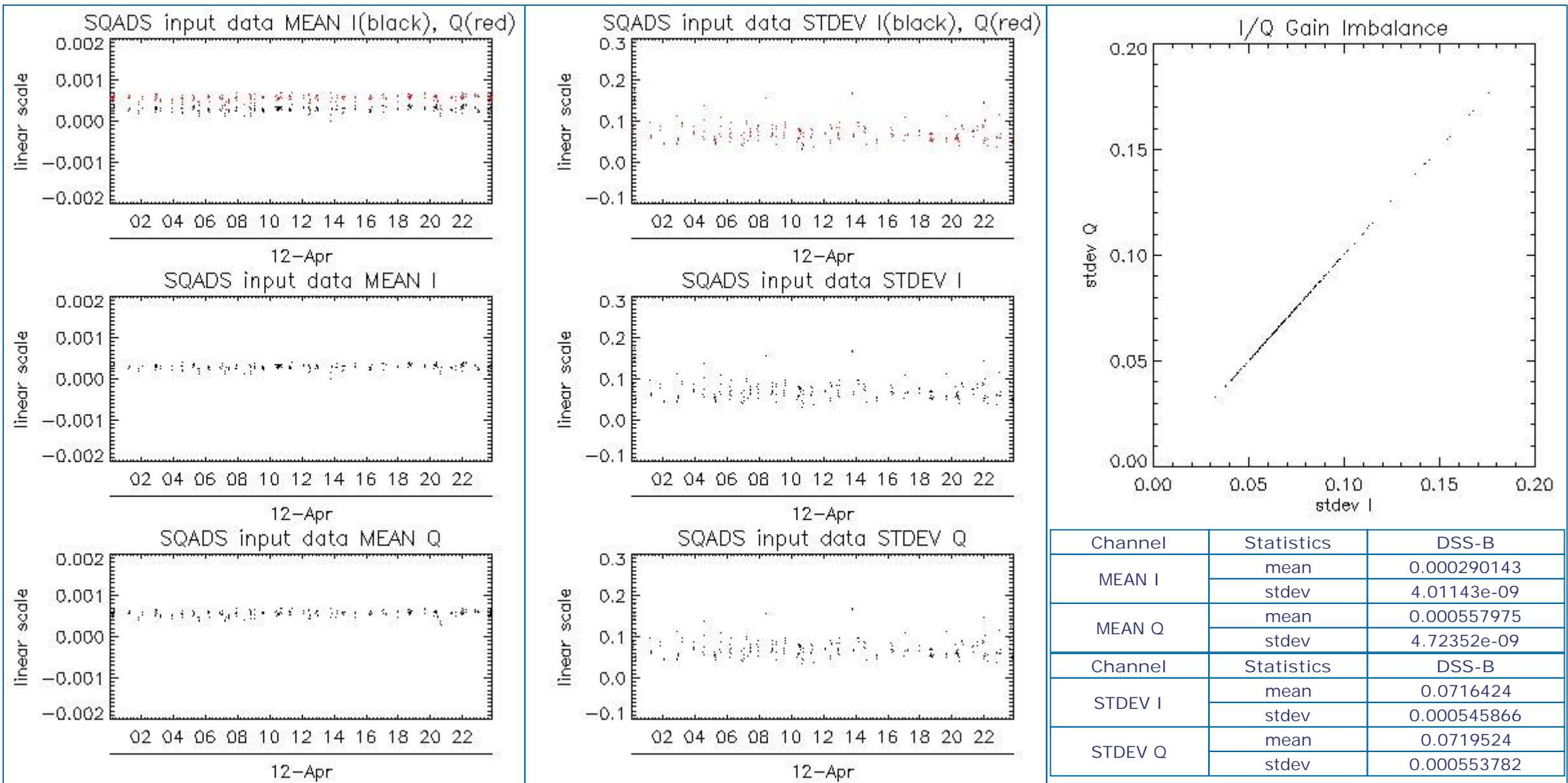


Channel	Statistics	DSS-B
MEAN I	mean	0.000618545
	stdev	1.29622e-07
MEAN Q	mean	0.000464753
	stdev	2.08344e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.151412
	stdev	0.00144250
STDEV Q	mean	0.151995
	stdev	0.00147131

7.2 - Analysis for IMM

[[BACK TO MENU](#)]

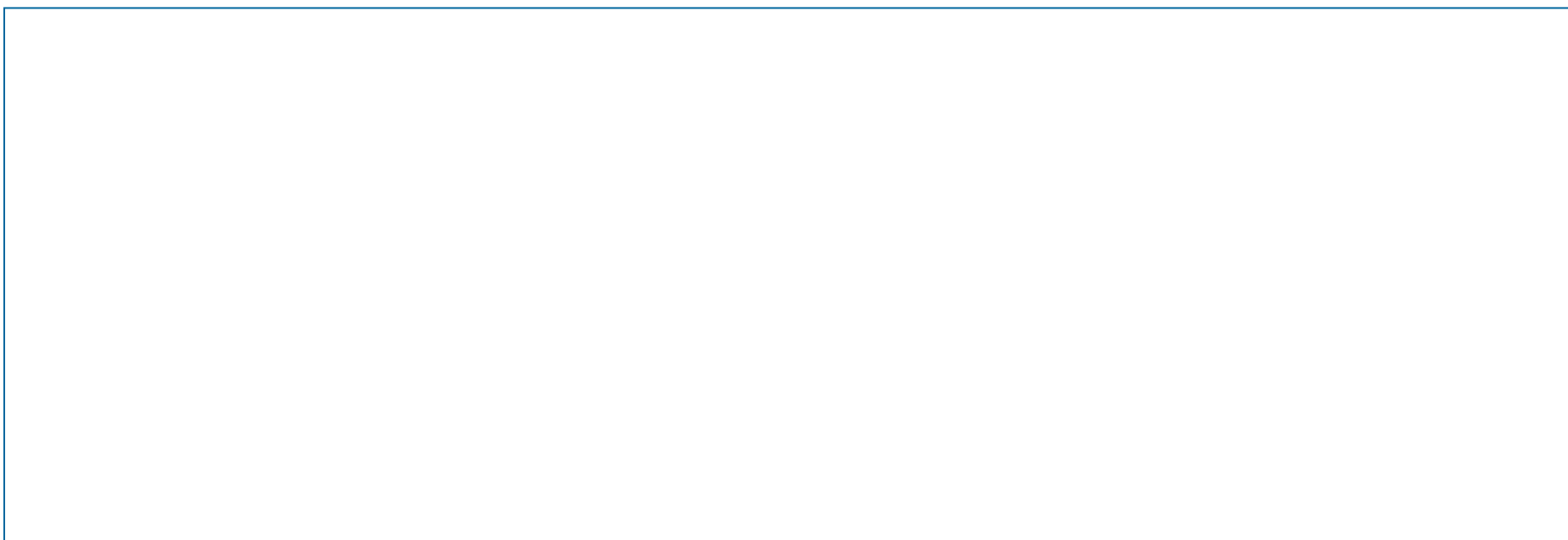


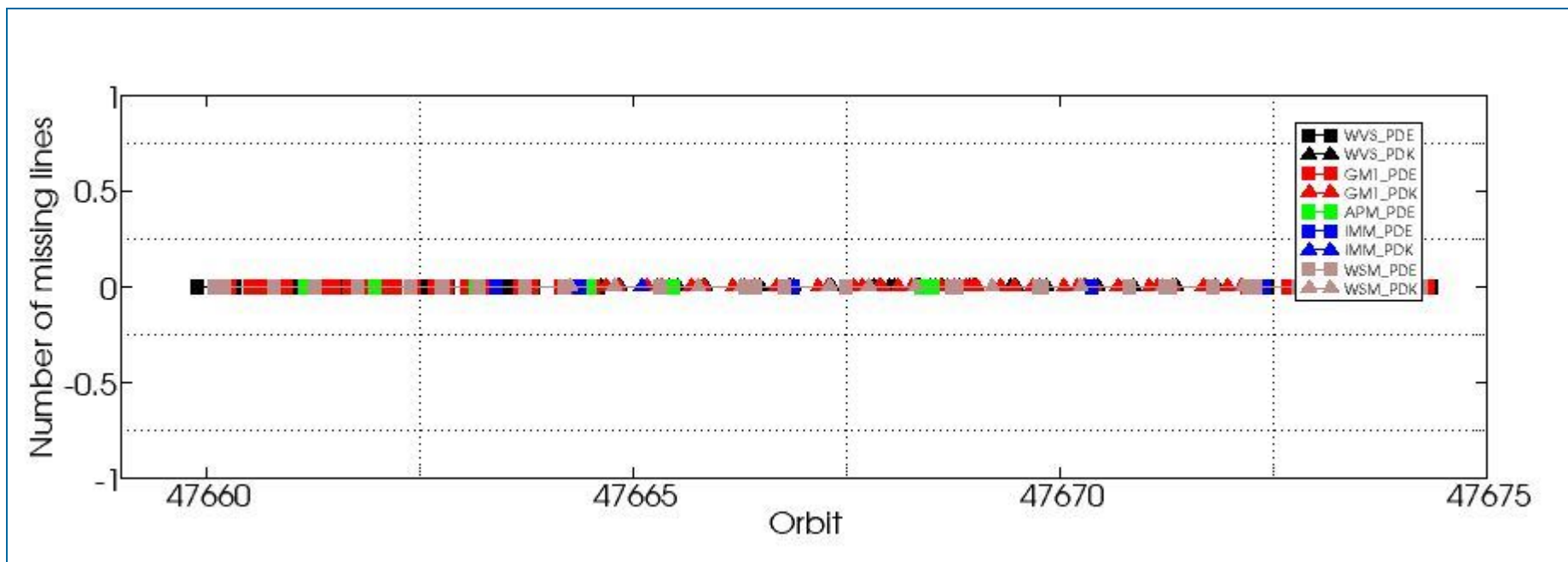


8 - TELEMETRY ANALYSIS

8.1 - Number of Missing lines

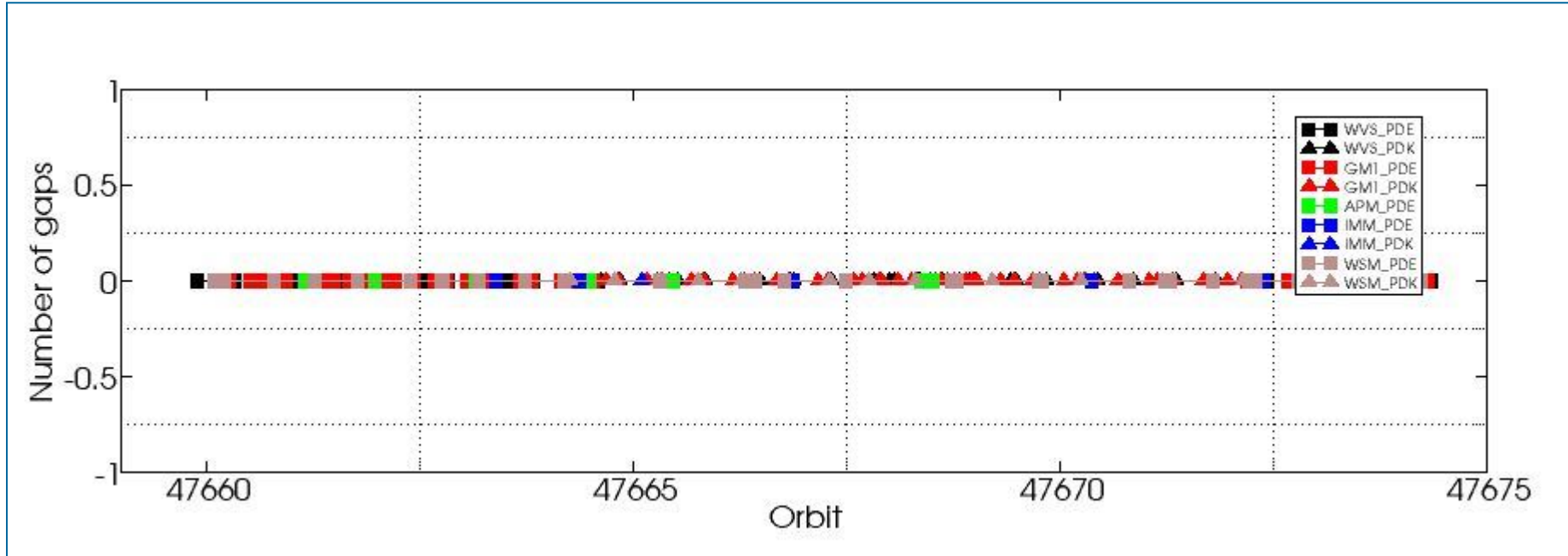
[BACK TO MENU]





8.2 - Number of Gaps

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ASAR DAILY REPORT for 110412
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-04-12 00:00:00

Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/

DATA SUMMARY

Summary will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_110412/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_110412/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/AUXILIARY

Creating directory ./RESULTS/DAILY/_110412/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20110412*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_110412/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_110412/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_110412/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20110412_124349_000000163101_00239_47667_0529.N1

H
H
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/TGH_20110412_124349-20010209_135042.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/TPH_20110412_124349-20010209_135042.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/RGH_20110412_124349-20010209_135042.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/RPH_20110412_124349-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20110412_142403_000000163101_00240_47668_0530.N1

V
V
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/TGV_20110412_142403-20010209_140823.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/TPV_20110412_142403-20010209_140823.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/RGV_20110412_142403-20010209_140823.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/SECOND_REFERENCE/RPV_20110412_142403-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20110411_132033_000000163101_00225_47653_0527.N1
Test product: ASA_MS__0PNPDK20110412_124349_000000163101_00239_47667_0529.N1

H
H
../../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20110412_124349-20110411_132033.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20110412_124349-20110411_132033.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20110412_124349-20110411_132033.png
../../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20110412_124349-20110411_132033.png

Polarization: V
Reference product: ASA_MS__0PNPDK20110411_150047_000000163101_00226_47654_0528.N1
Test product: ASA_MS__0PNPDK20110412_142403_000000163101_00240_47668_0530.N1

V
V

../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20110412_142403-20110411_150047.png
../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20110412_142403-20110411_150047.png
../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20110412_142403-20110411_150047.png
../RESULTS/DAILY/_110412/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20110412_142403-20110411_150047.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/_110412/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59

Analysing products WVS IS2 V/V

Writing image ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-12_1.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-12_2.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-12_3.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-12_4.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../RESULTS/DAILY/_110412//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 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-12_1.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-12_2.dat...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-12_3.dat...
Writing ../../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-12 00:00:00 to 2011-04-12 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110412/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-12_4.dat...
Writing ../../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_110412//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_110412/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DOPPLER/Doppler_data_WVS_IS2_VV_2011-04-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110412/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DOPPLER/Doppler_data_GM1_SS1_HH_2011-04-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110412/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-04-12 00:00:00 to 2011-04-12 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/DOPPLER/Doppler_Jumps_data_WSM_2011-04-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110412/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_110412/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59

Analysing products WVS IS2 V/V
Loading predicted doppler values....
Phase: descending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -73.679186 Hz
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -59.867065 Hz
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_asc.jpg...
*****
```

```
Analysing products GM1 SS1 H/H
Loading predicted doppler values....
Phase: descending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -48.684747 Hz
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
*****
```

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -51.439562 Hz
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110412//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
*****
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_110412/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-04-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110412/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110412/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-04-12.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110412/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_110412/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/RAW_DATA

Creating directory ./RESULTS/DAILY/_110412/RAW_DATA...

Getting raw data for WVS from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/RAW_DATA/Raw_data_WVS_2011-04-12.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-04-12 00:00:00 to 2011-04-12 23:59:59...
Writing file ./RESULTS/DAILY/_110412/RAW_DATA/Raw_data_IMM_2011-04-12.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110412/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2011-04-12 00:00:00 to 2011-04-12 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110412/TELEMETRY

Creating directory ./RESULTS/DAILY/_110412/TELEMETRY...

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

Checking 28 products from PDE...
Checking 27 products from PDK...

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

Checking 40 products from PDE...
Checking 46 products from PDK...

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

Checking 7 products from PDE...
No products from PDK...

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

Checking 5 products from PDE...
Checking 1 products from PDK...

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

Checking 35 products from PDE...
Checking 13 products from PDK...

Creating graph of missing lines and gaps...

```
*****  
Creating image: ./RESULTS/DAILY/_110412/TELEMETRY/TELEMETRY_Missing_lines.png...  
Creating image: ./RESULTS/DAILY/_110412/TELEMETRY/TELEMETRY_Gaps.png...
```

```
TELEMETRY ANALYSIS completed  
#####
```

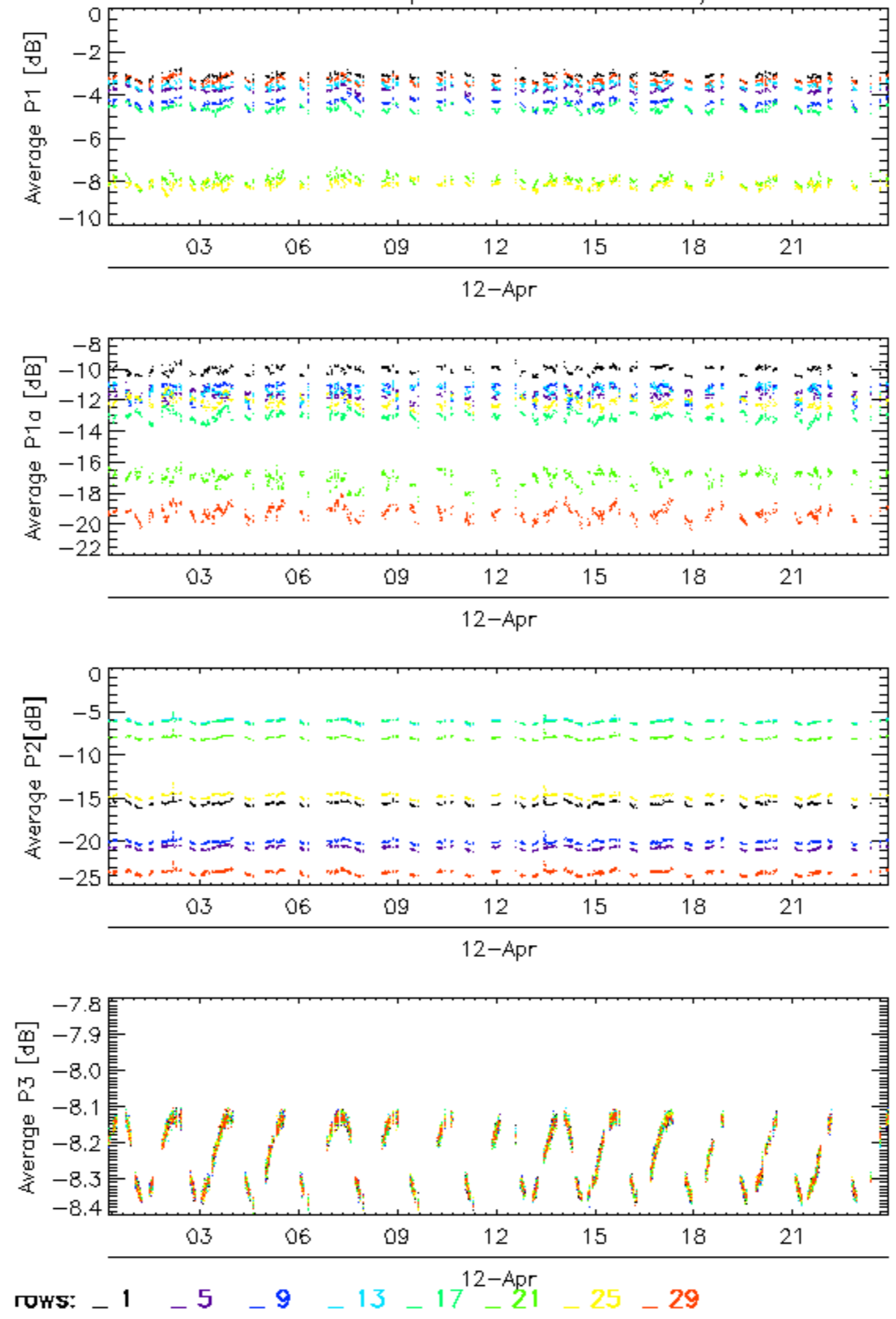
```
HTML REPORT generation  
#####
```

```
Building file ./RESULTS/DAILY/_110412/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...
```

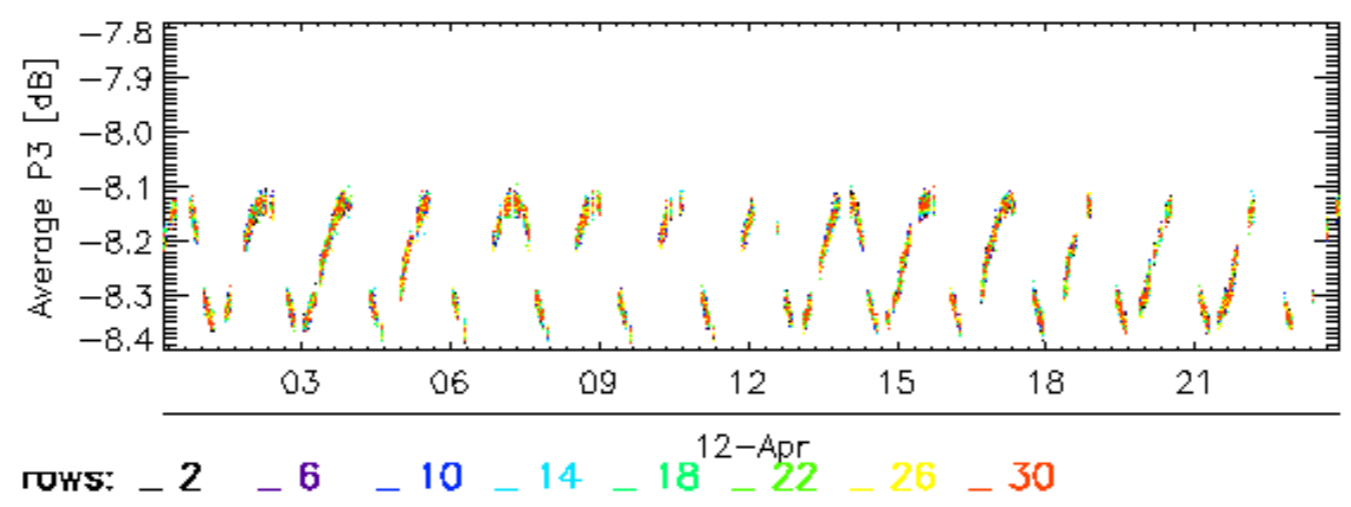
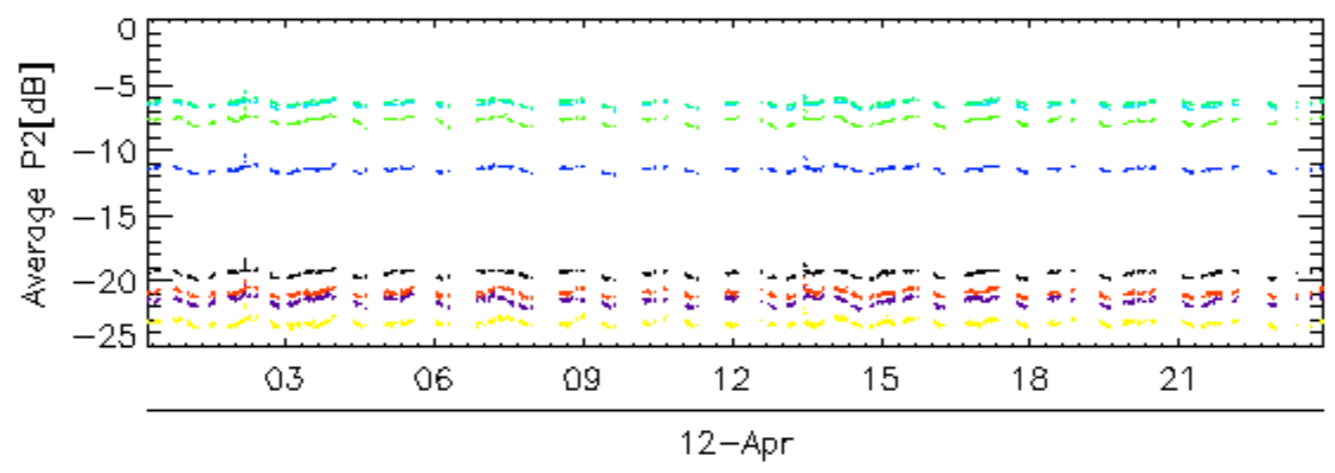
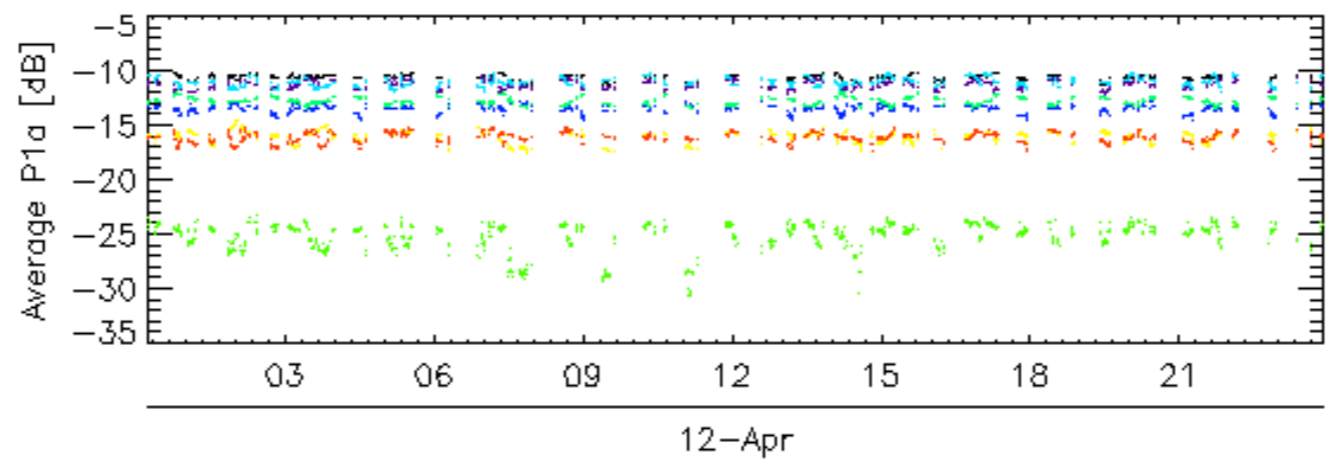
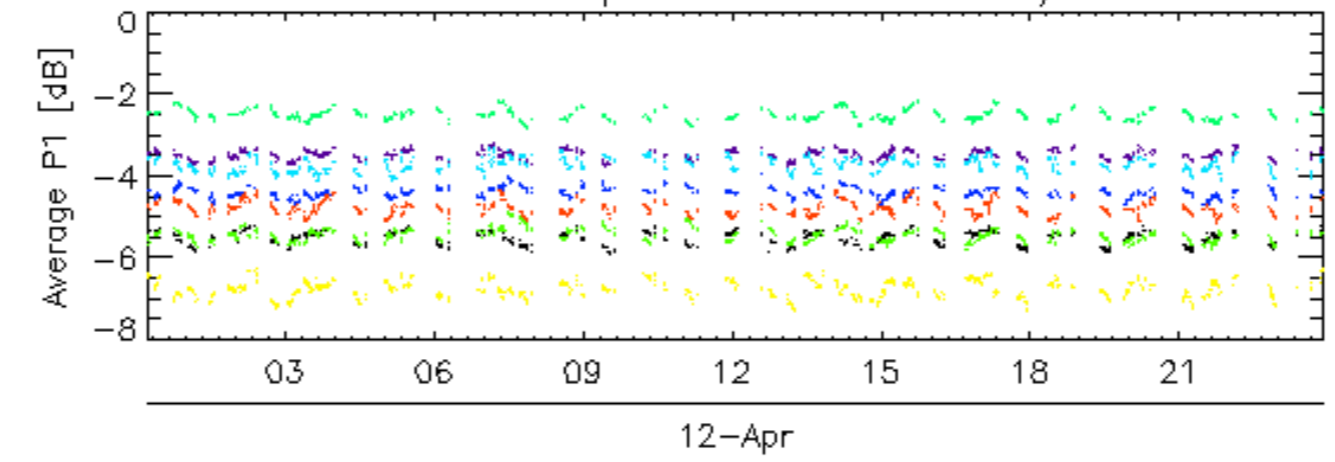
```
HTML REPORT generation completed  
#####
```



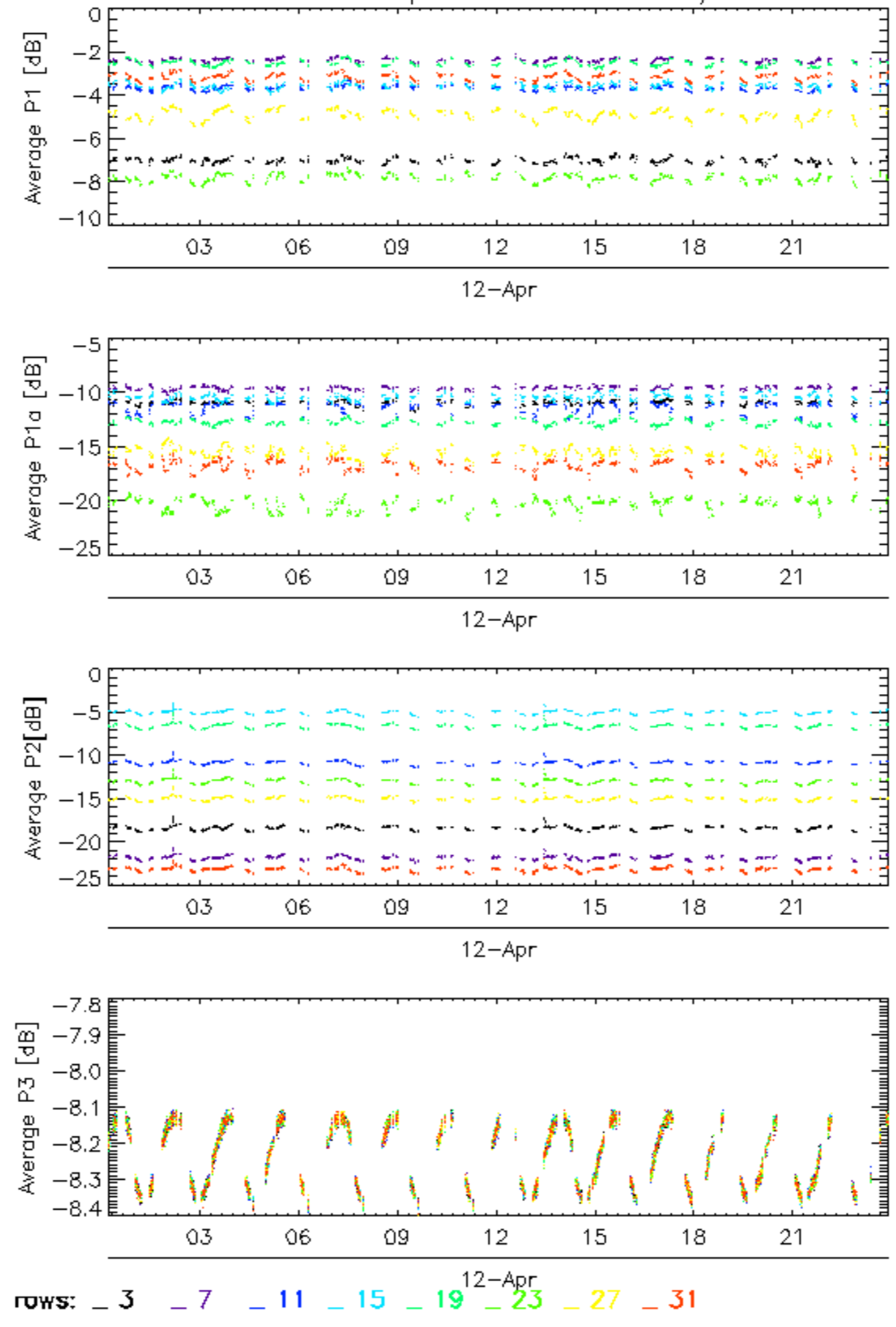
Calibration pulses for GM1 SS3 H/H



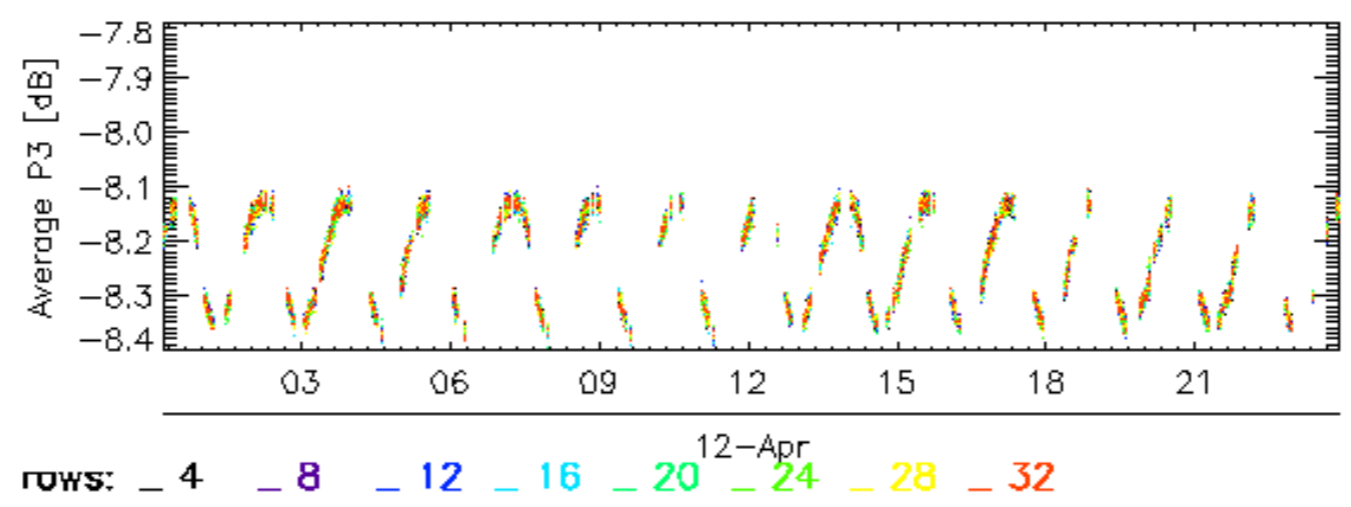
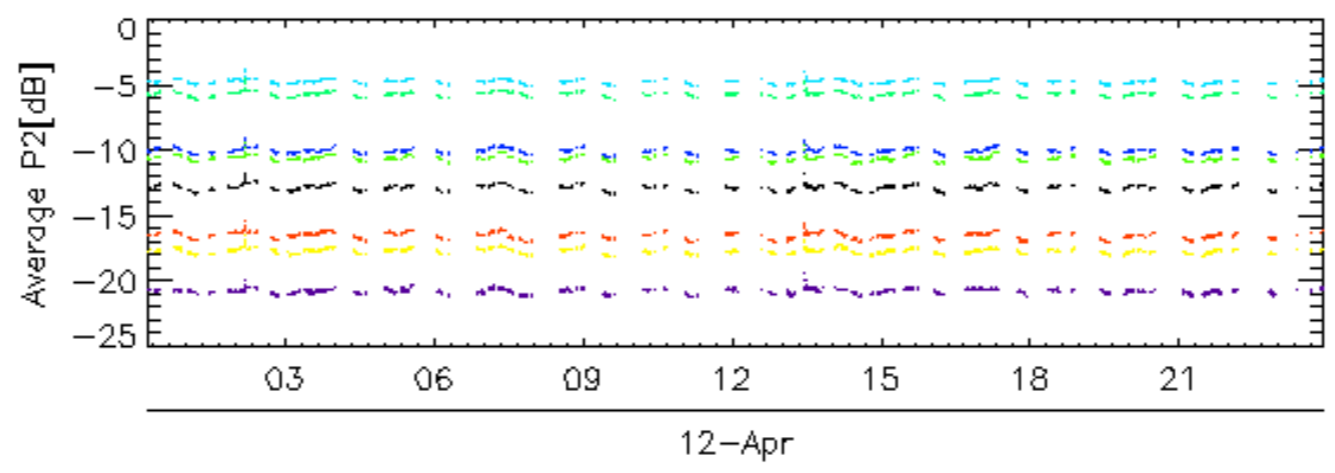
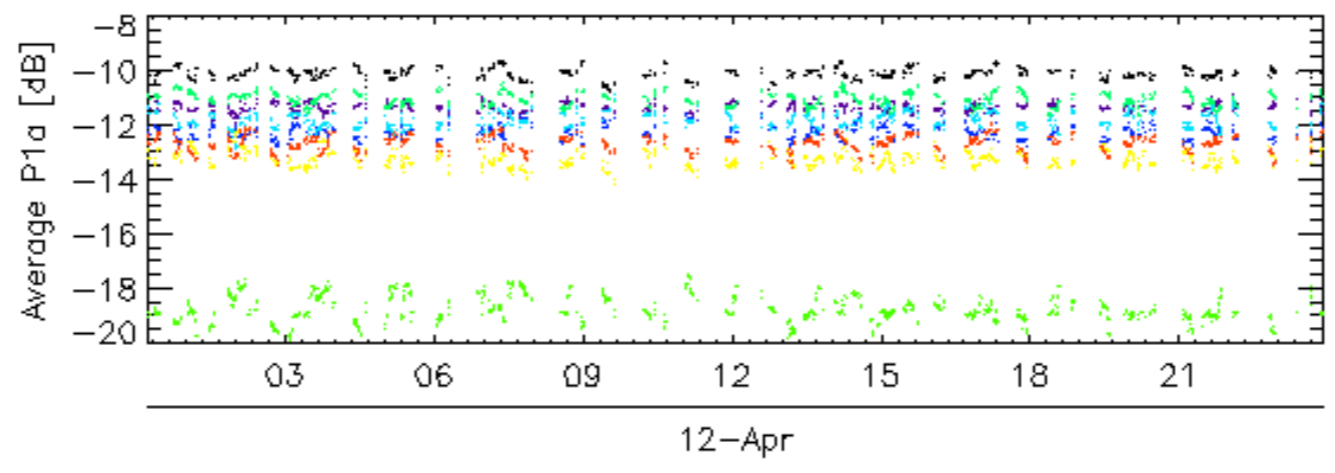
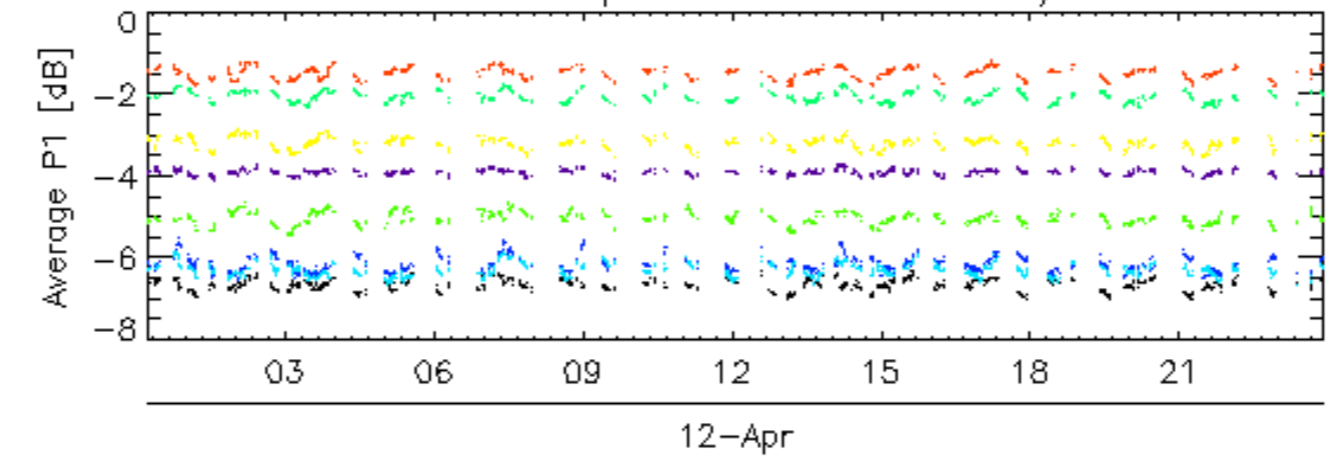
Calibration pulses for GM1 SS3 H/H



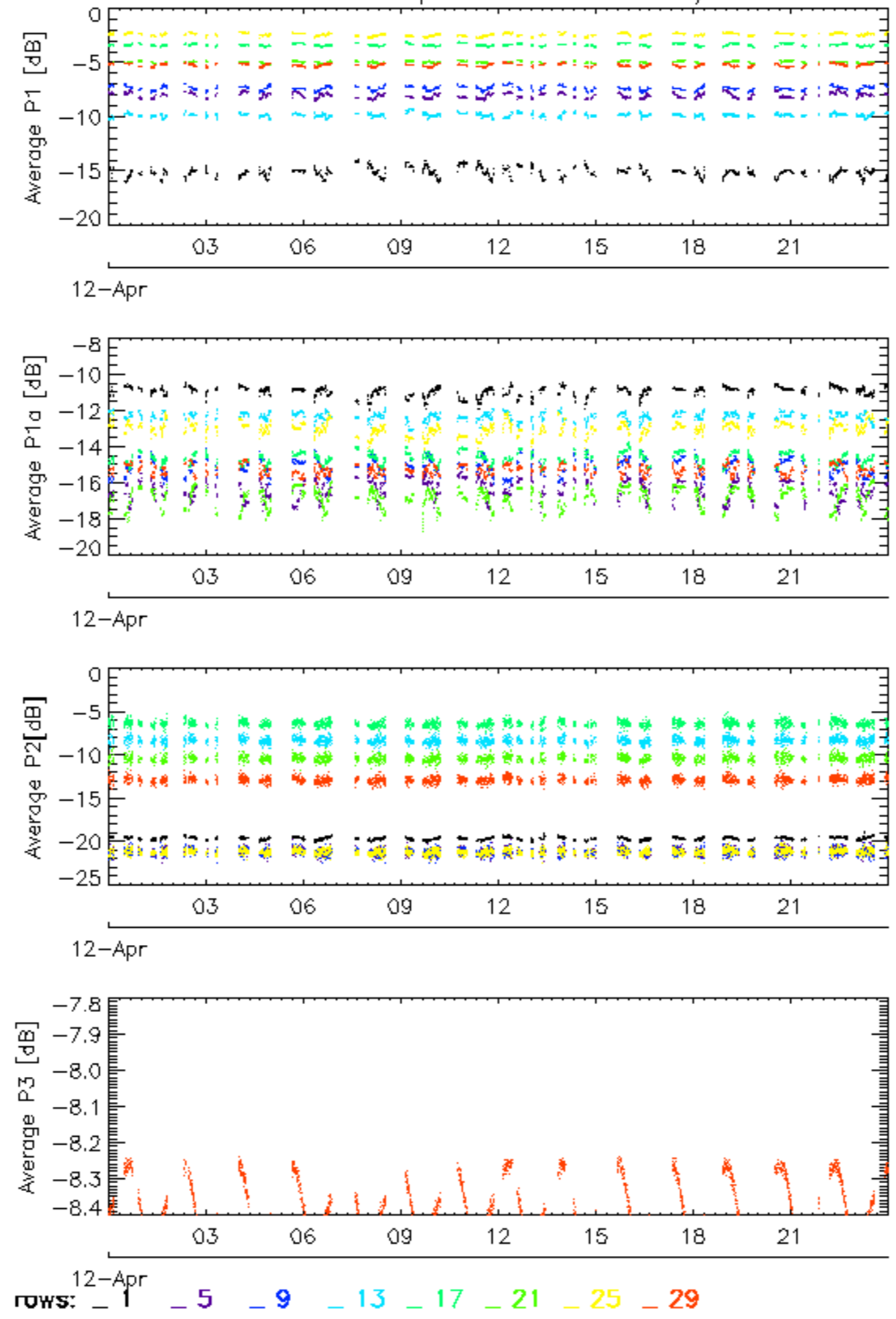
Calibration pulses for GM1 SS3 H/H



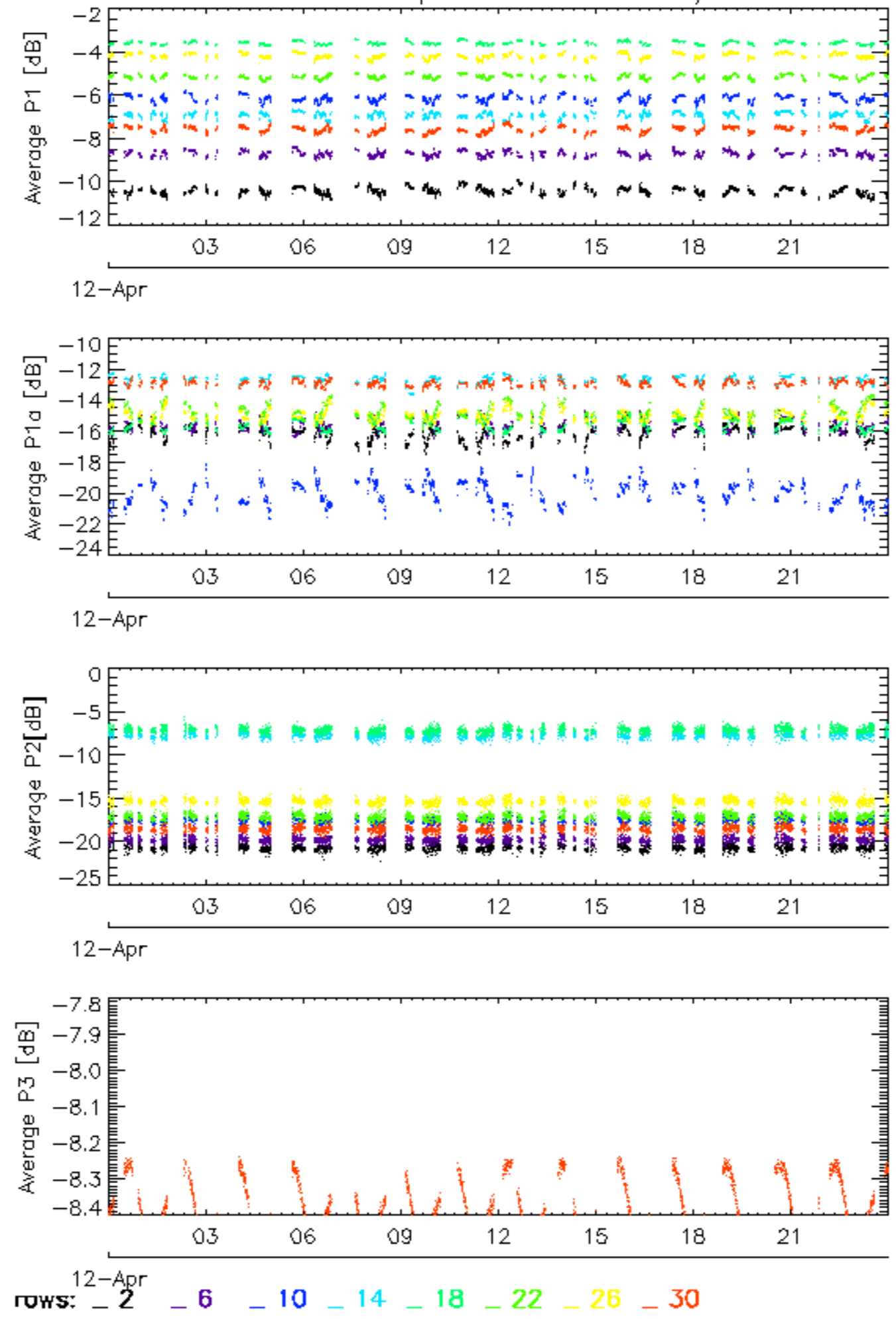
Calibration pulses for GM1 SS3 H/H



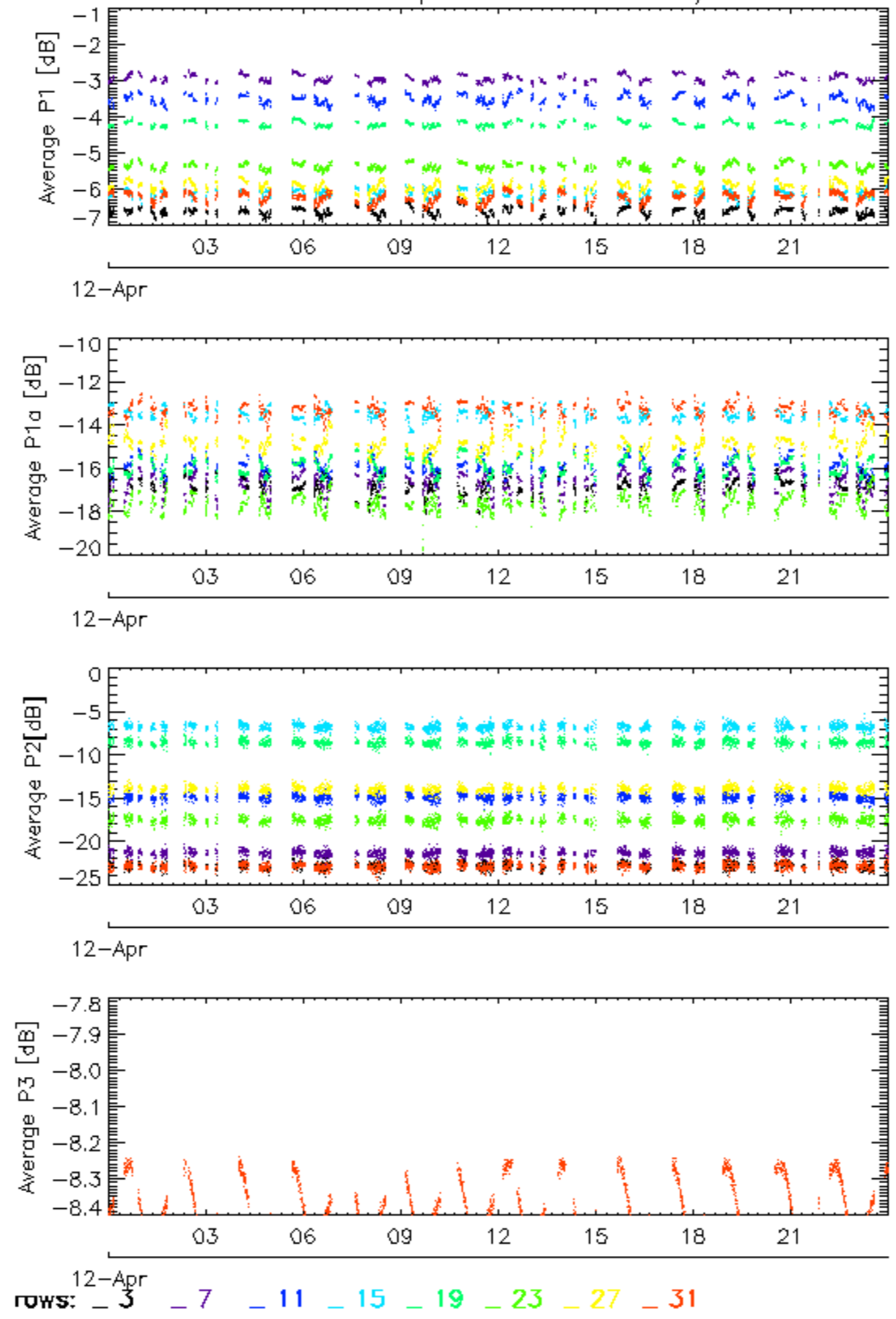
Calibration pulses for WVS IS2 V/V



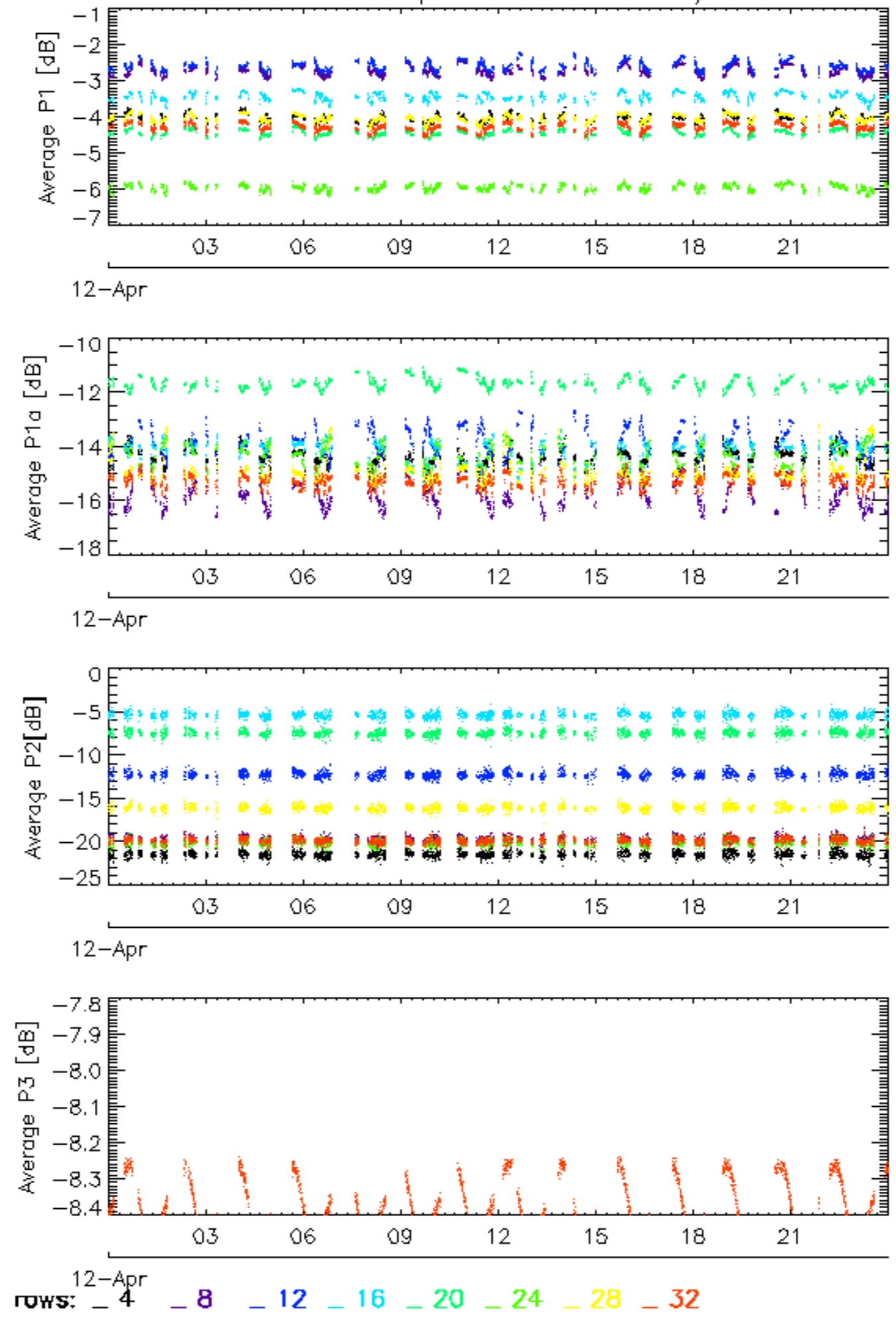
Calibration pulses for WVS IS2 V/V

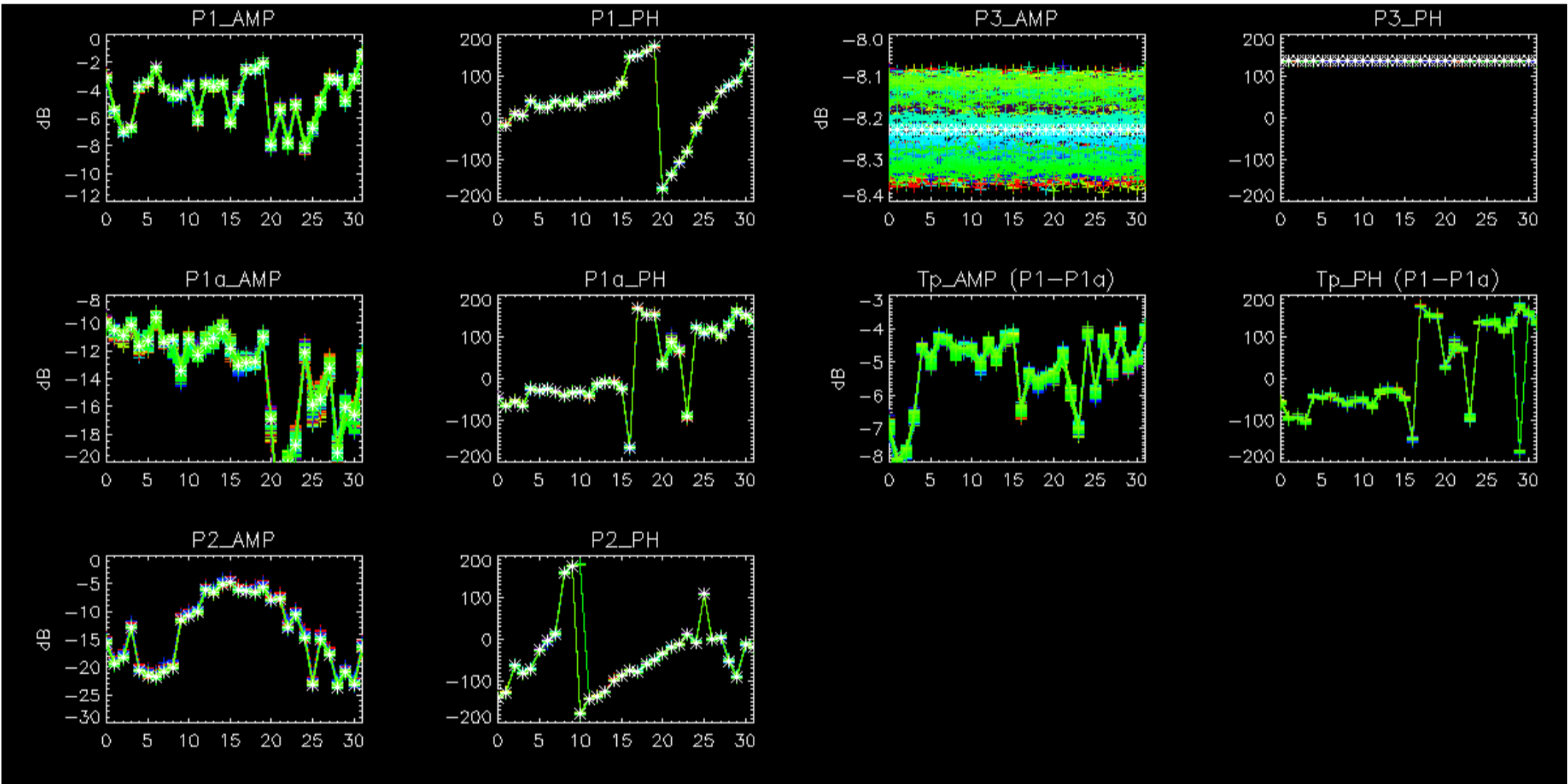


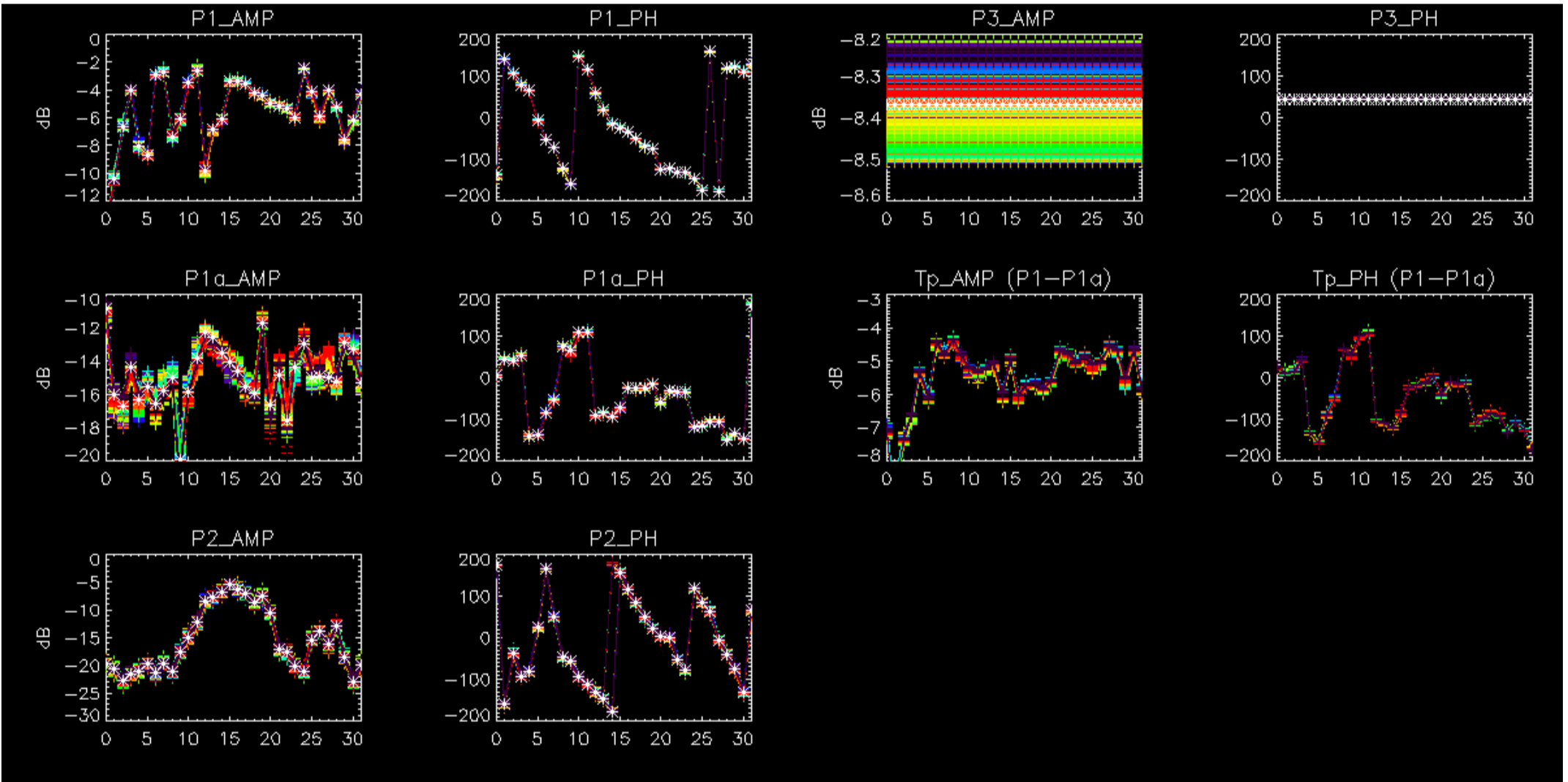
Calibration pulses for WVS IS2 V/V

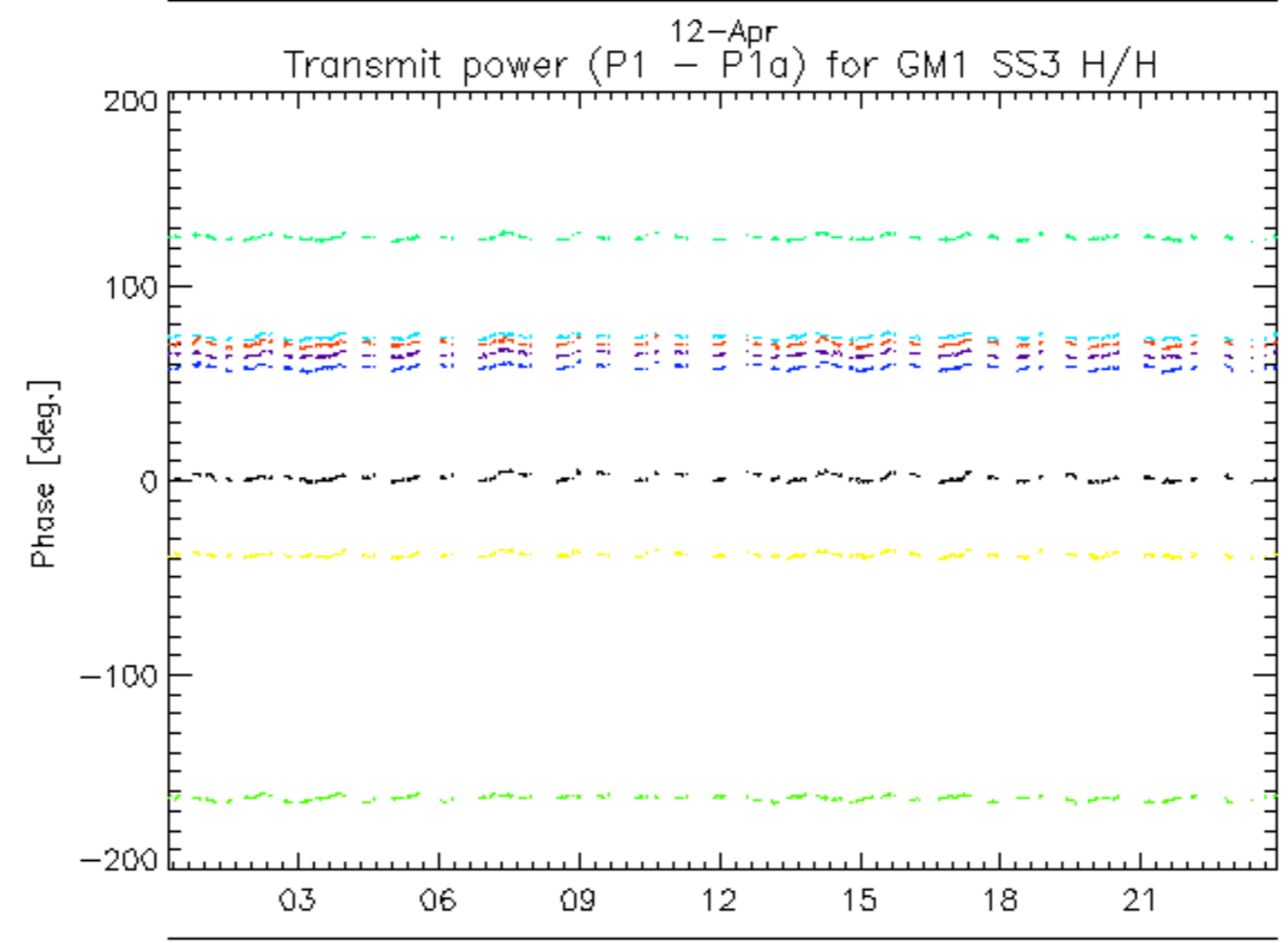
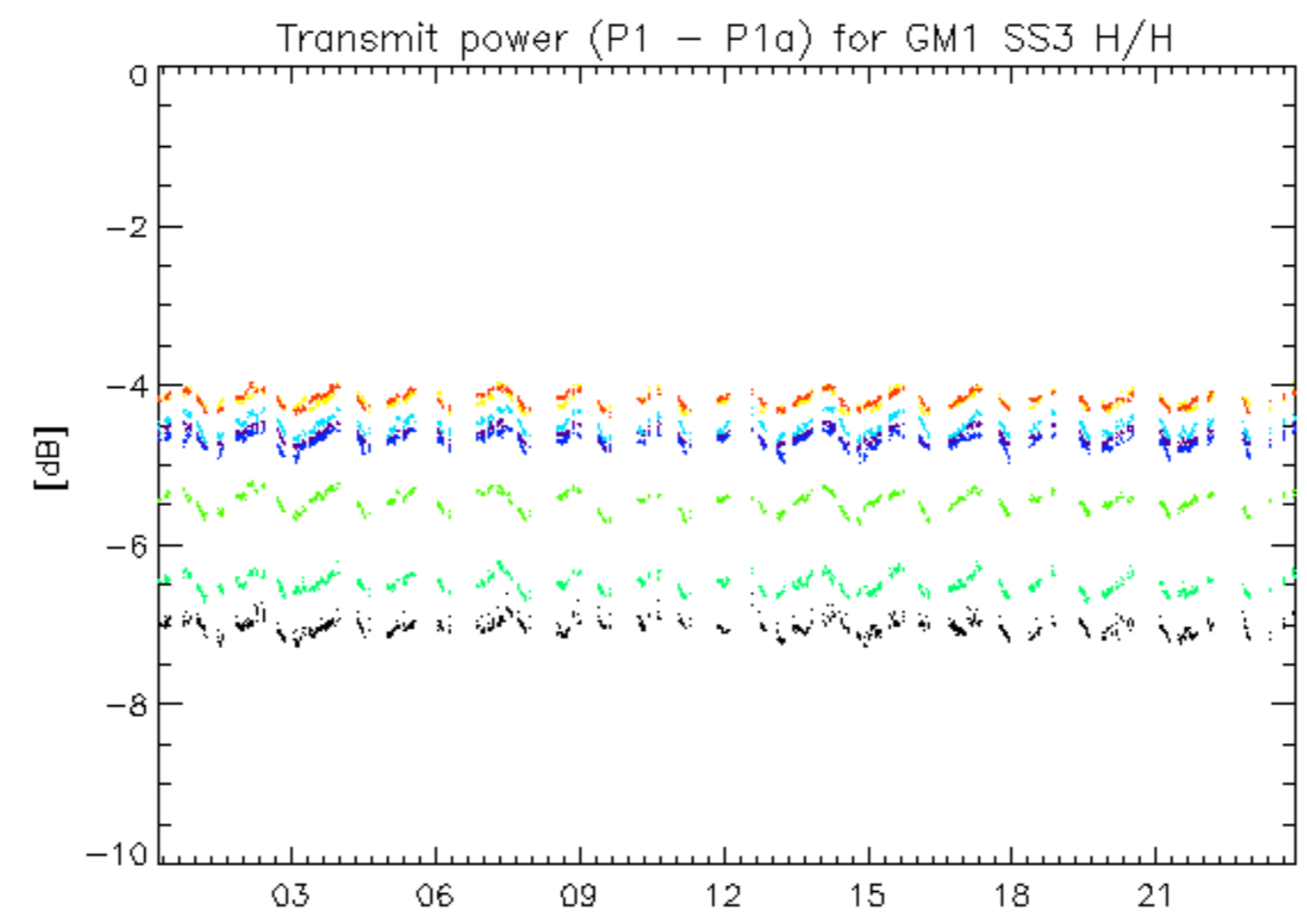


Calibration pulses for WVS IS2 V/V

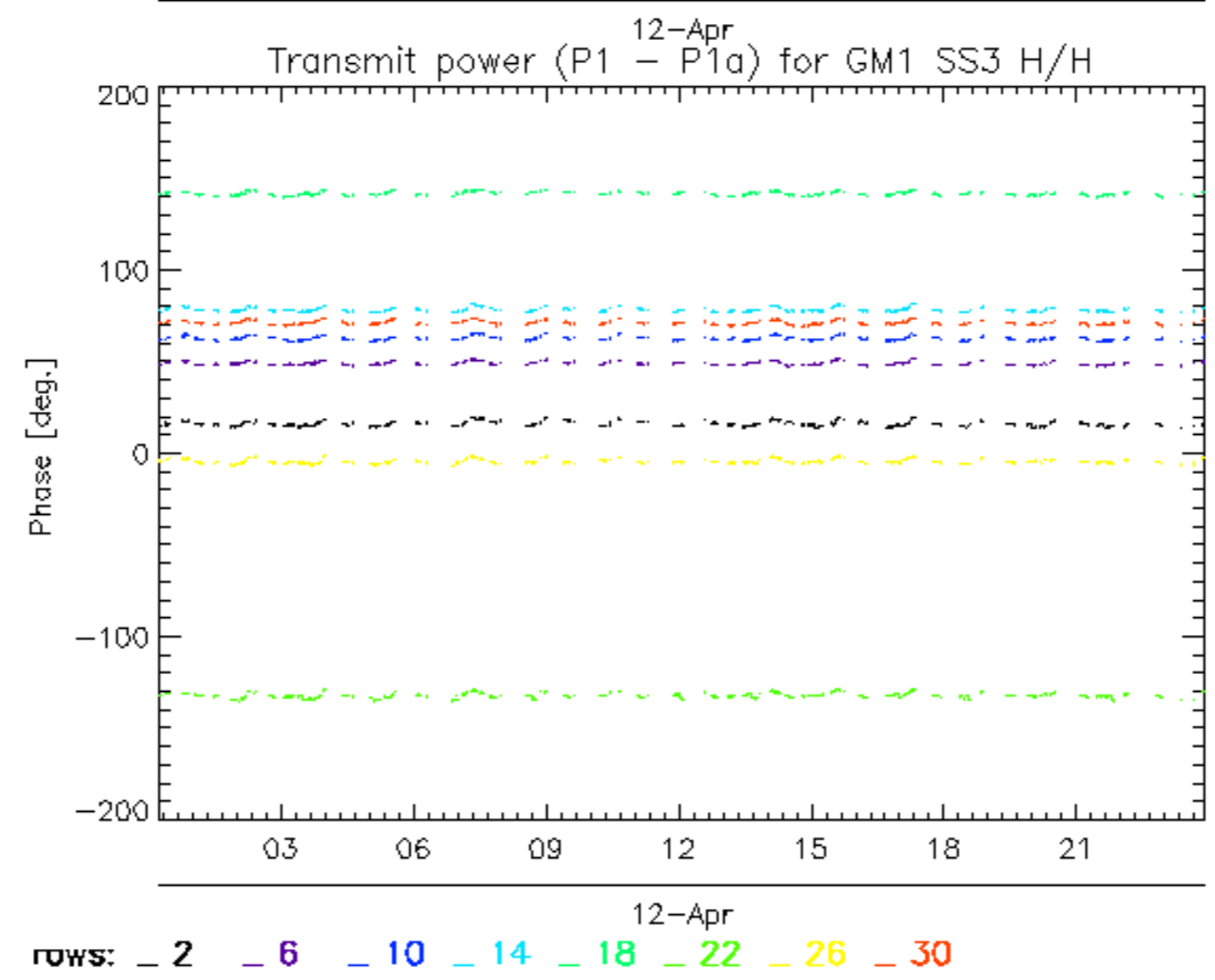
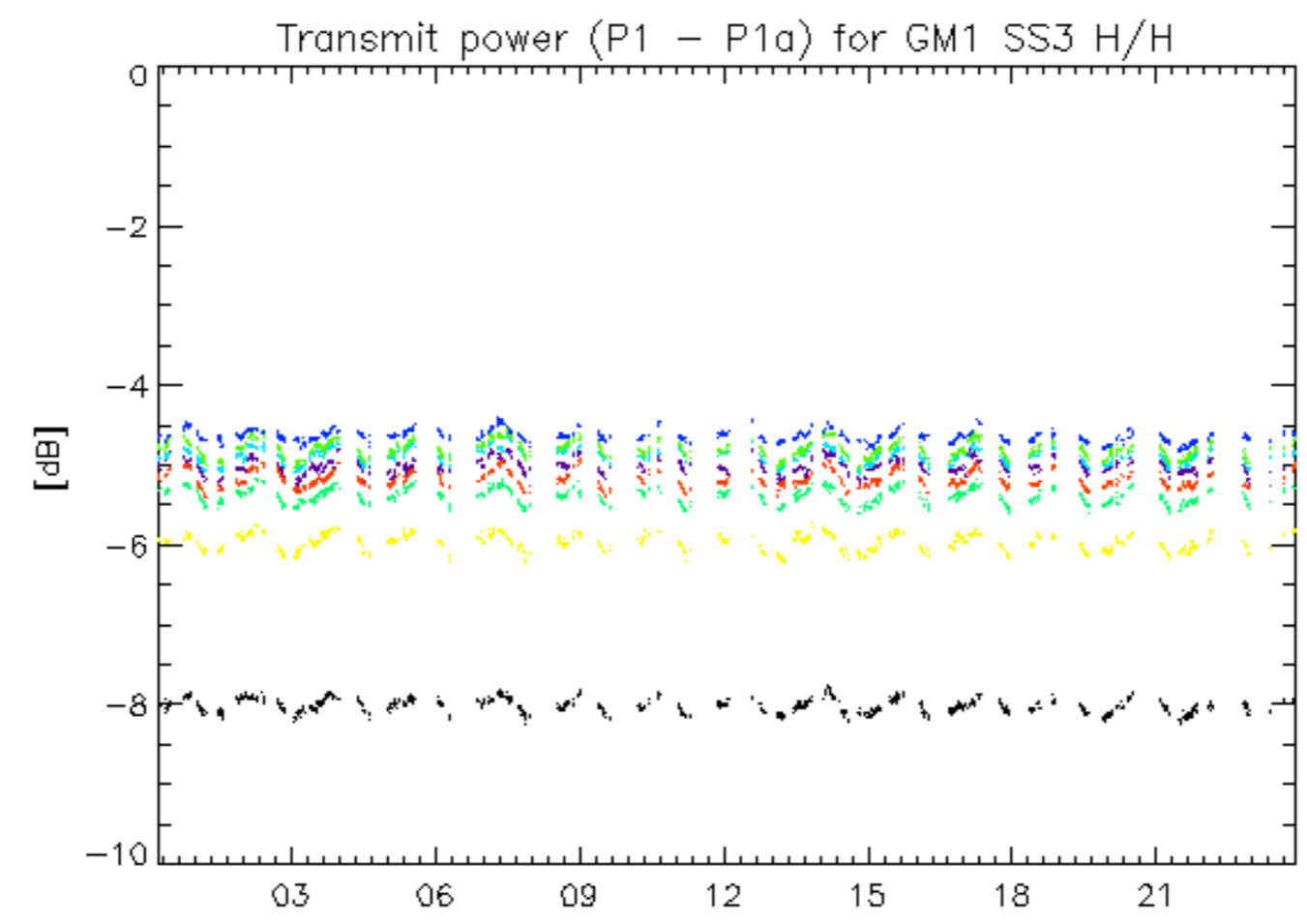


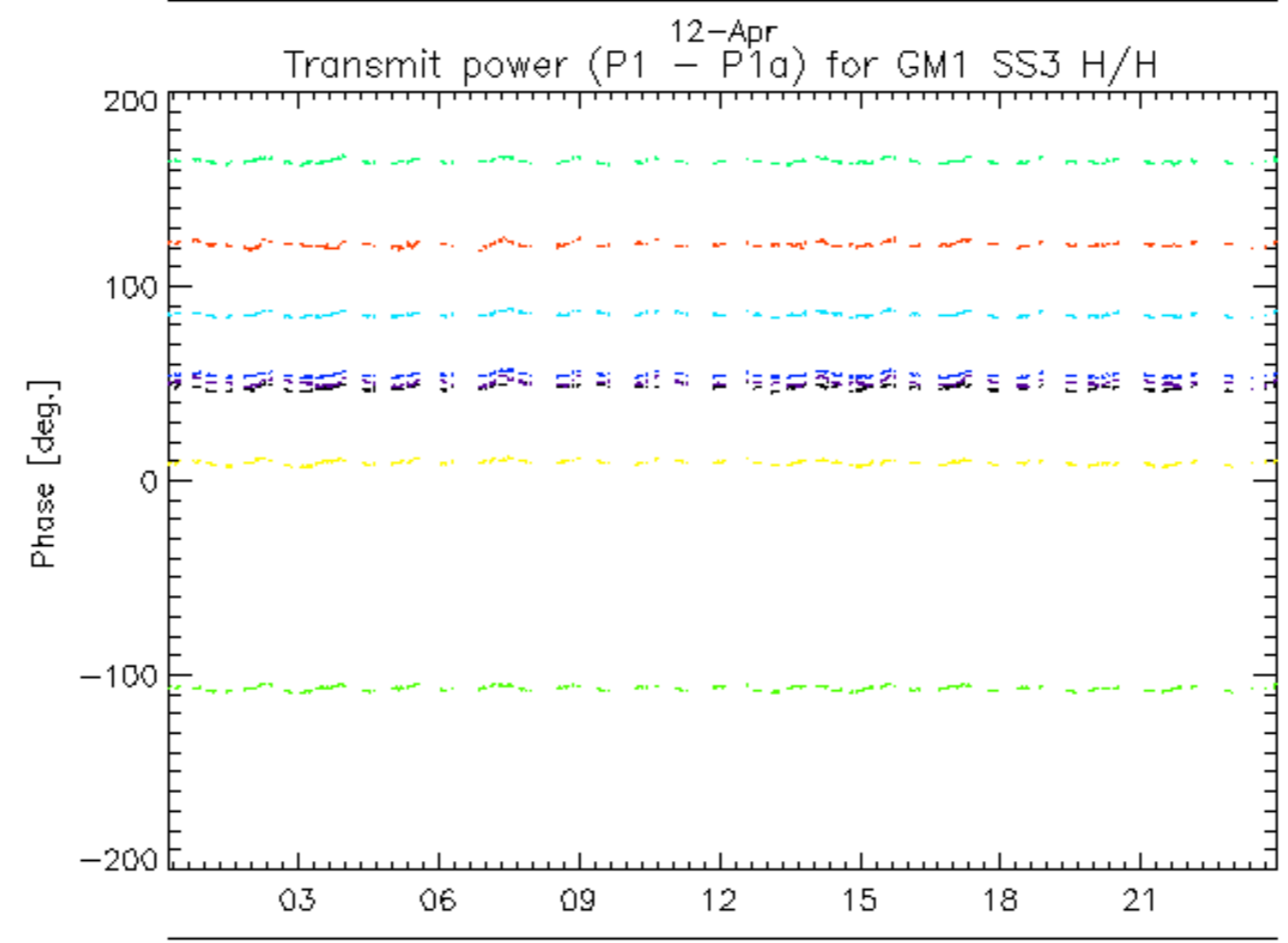
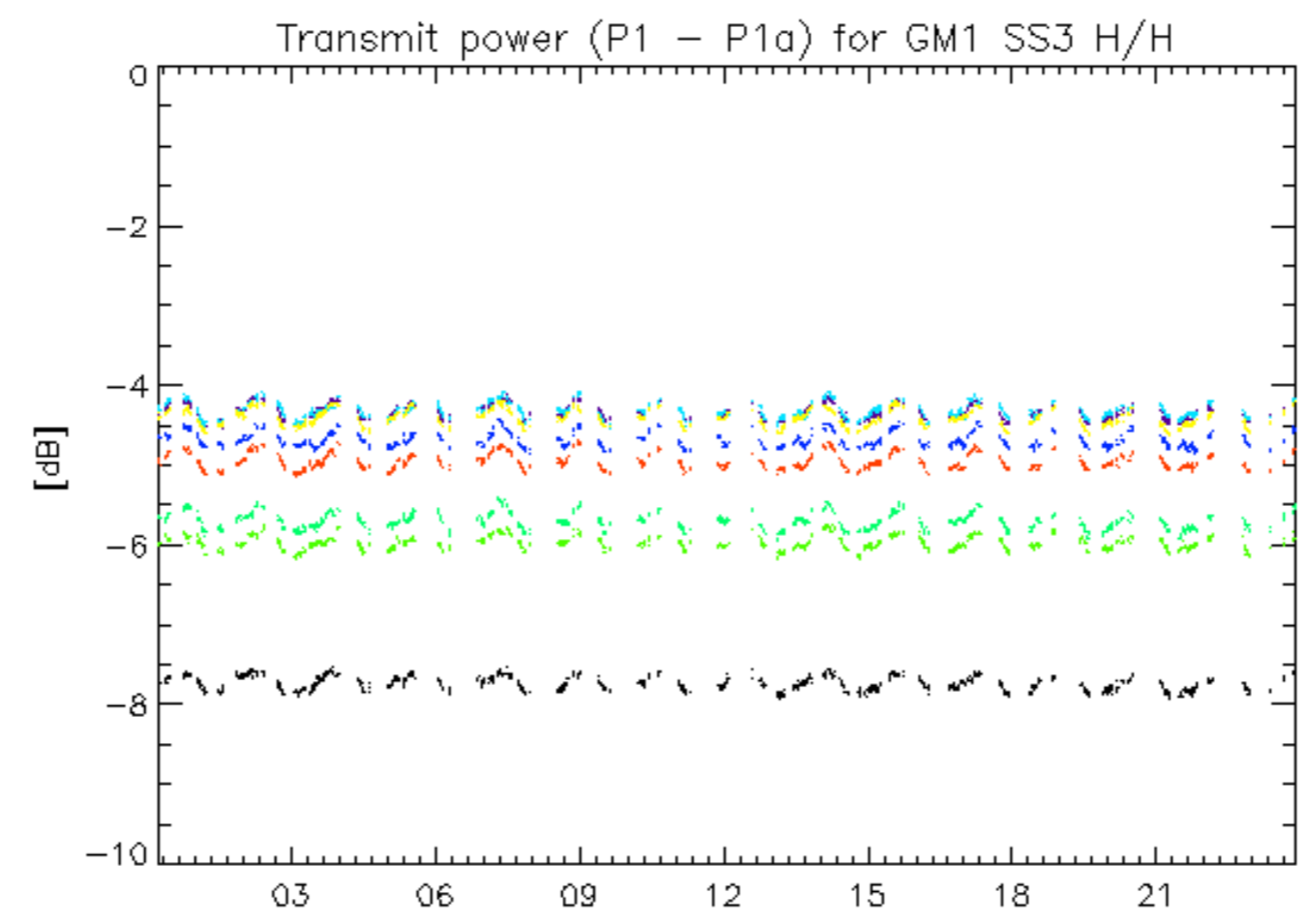




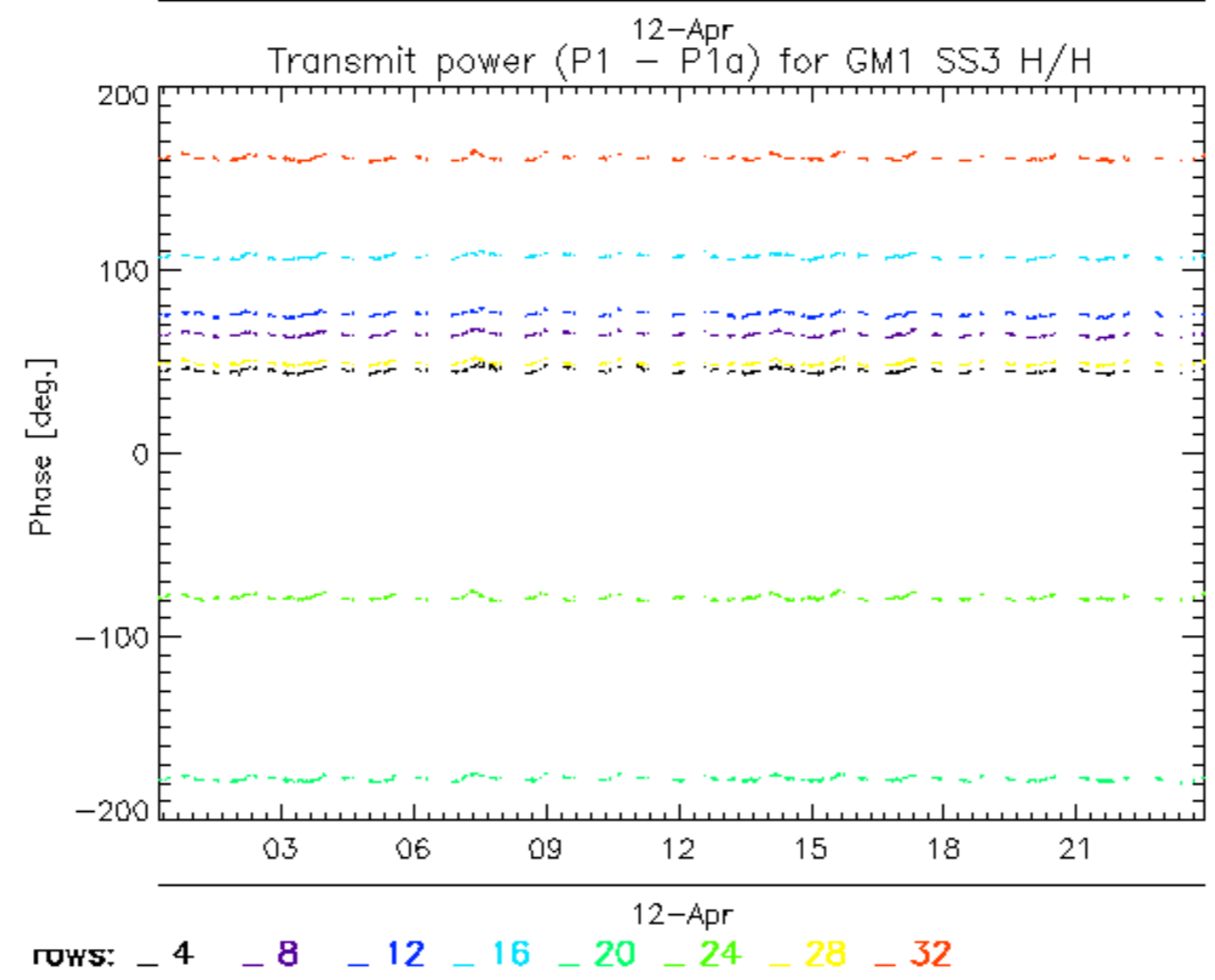
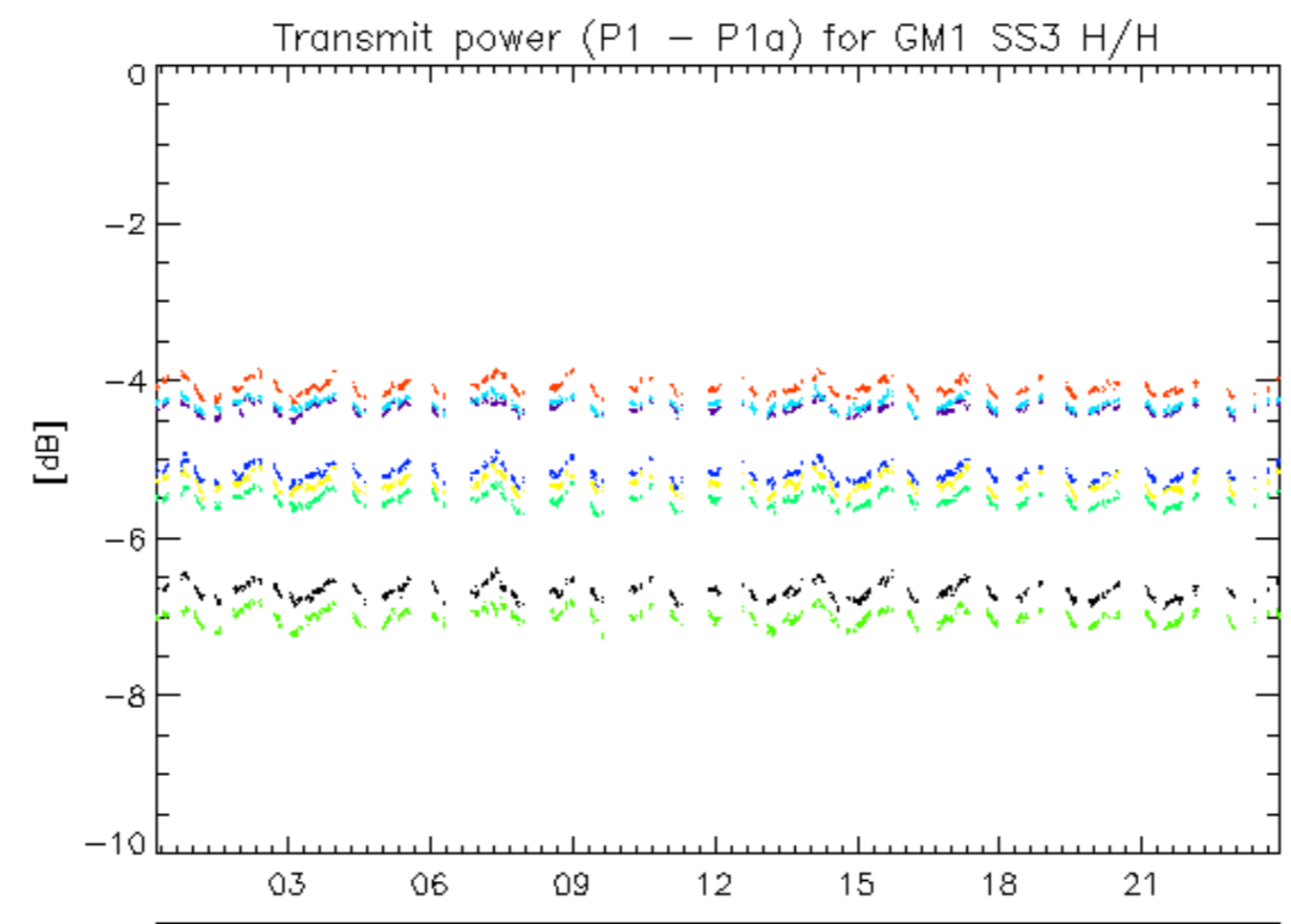


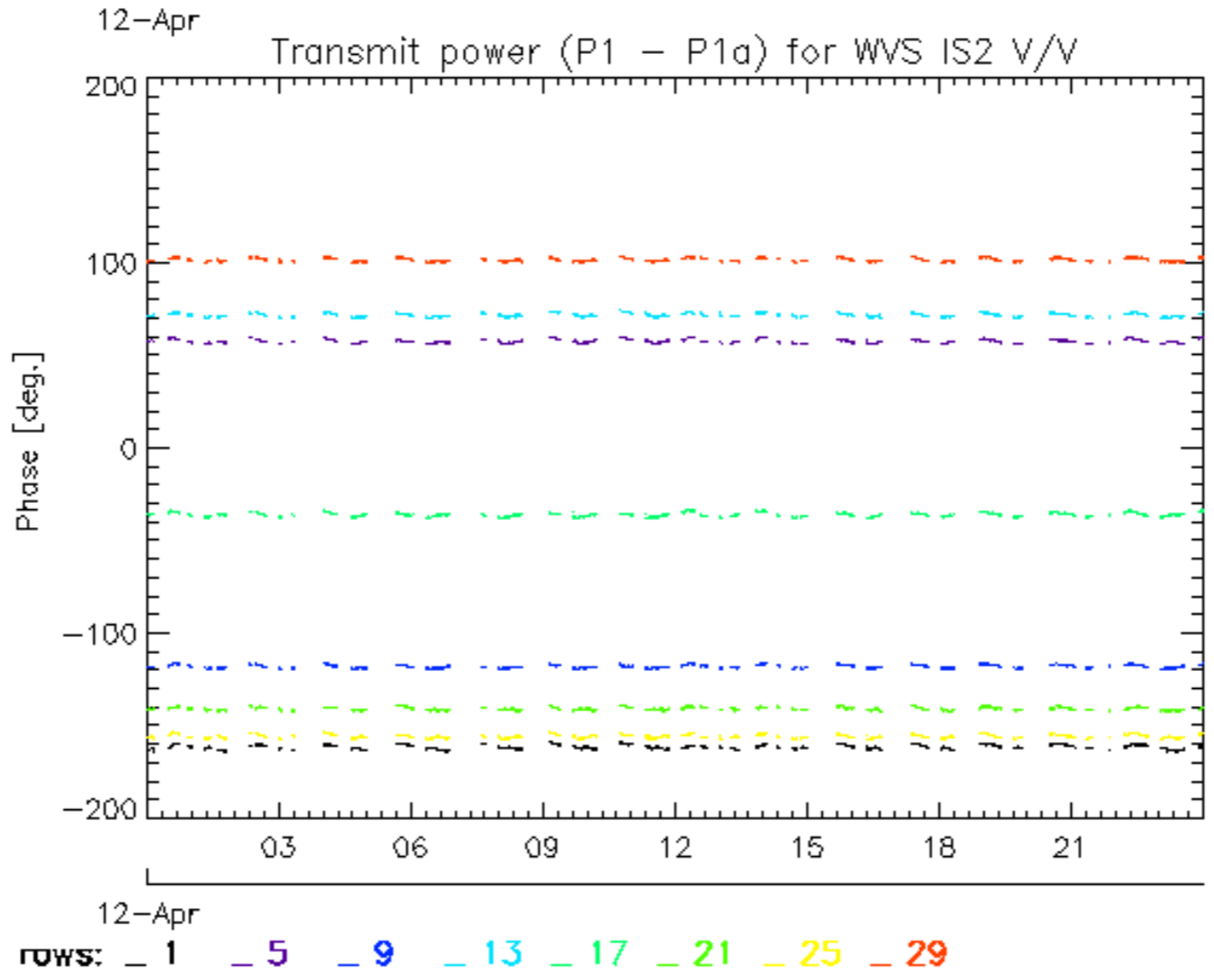
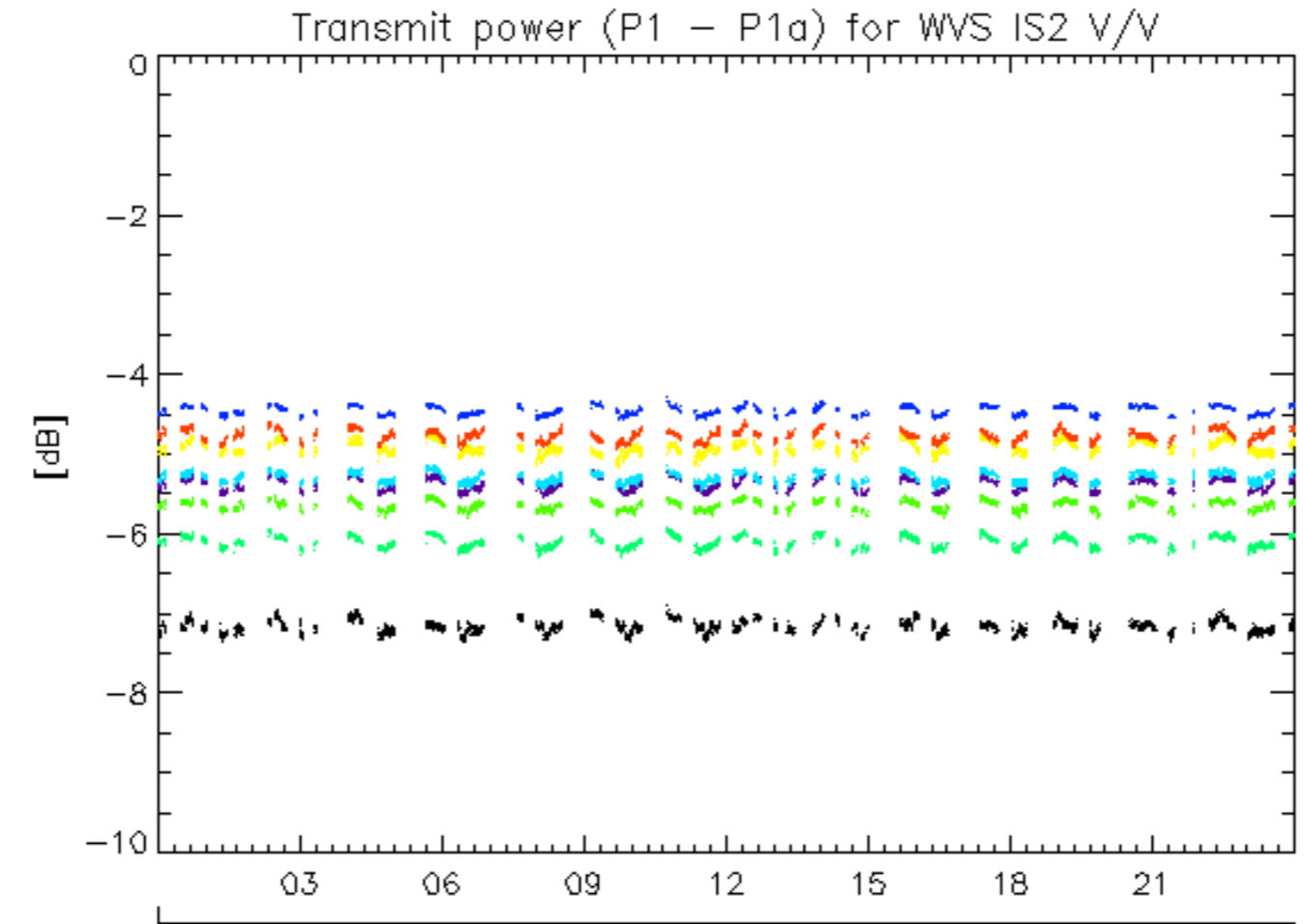
12-Apr
rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

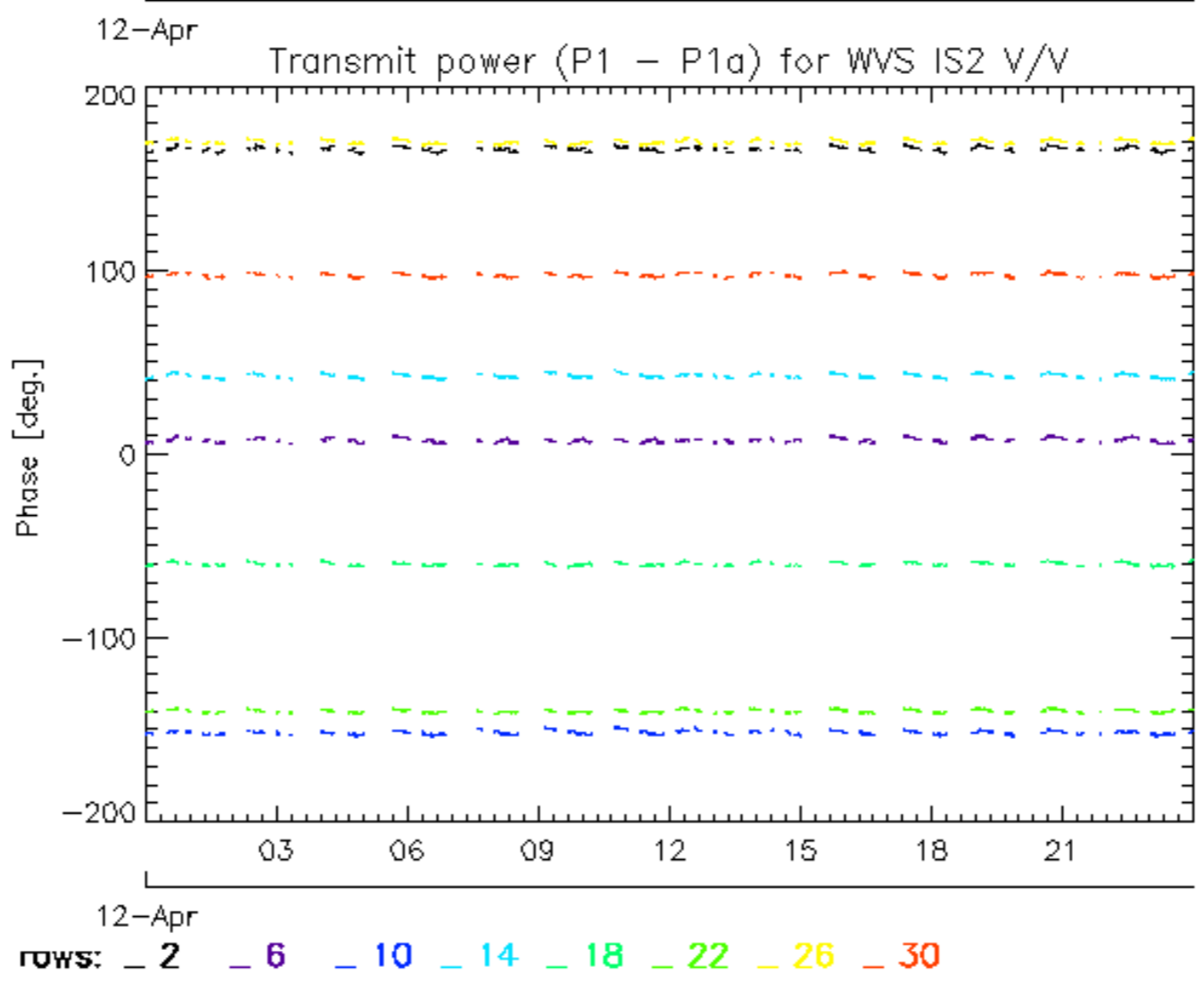
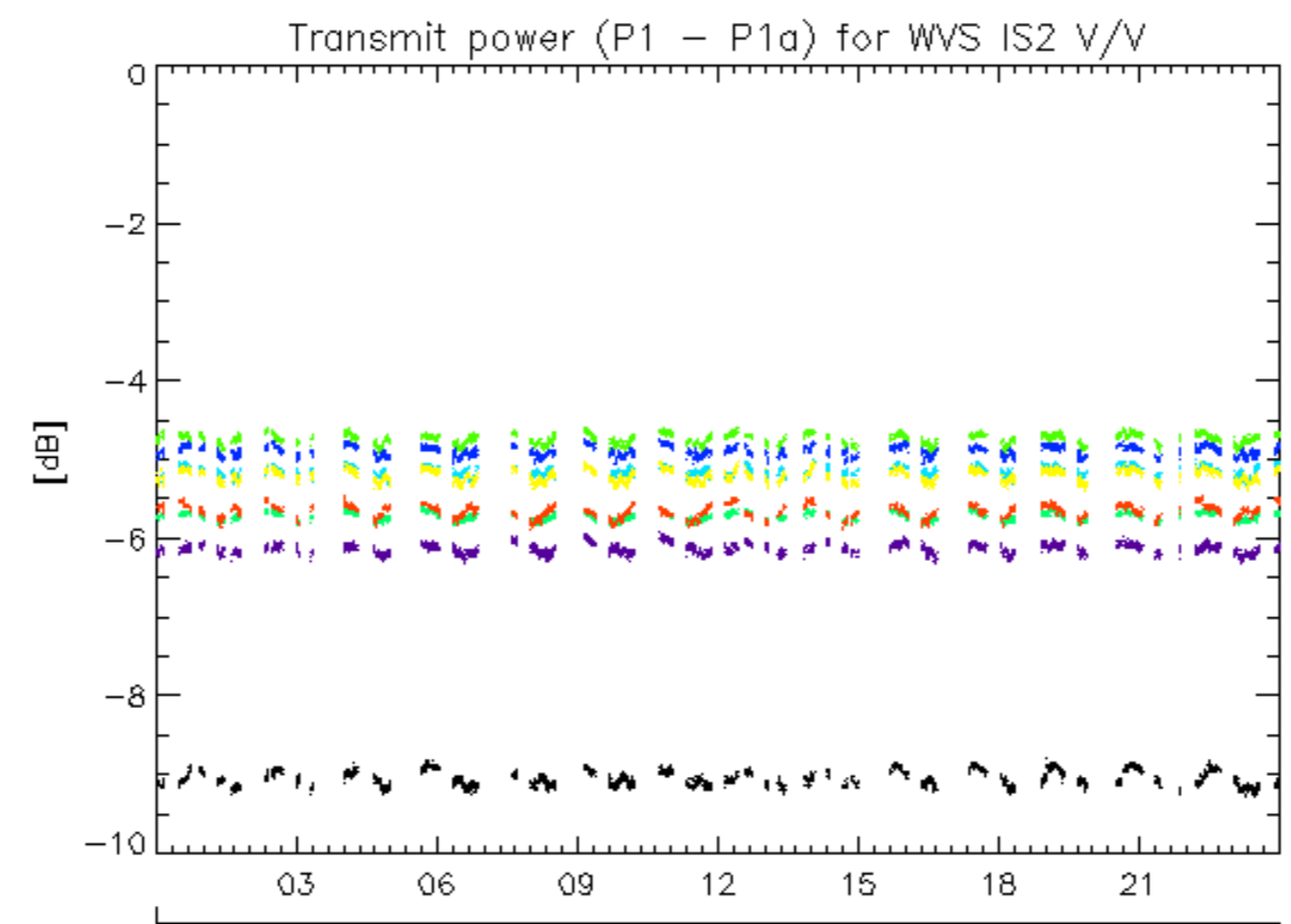


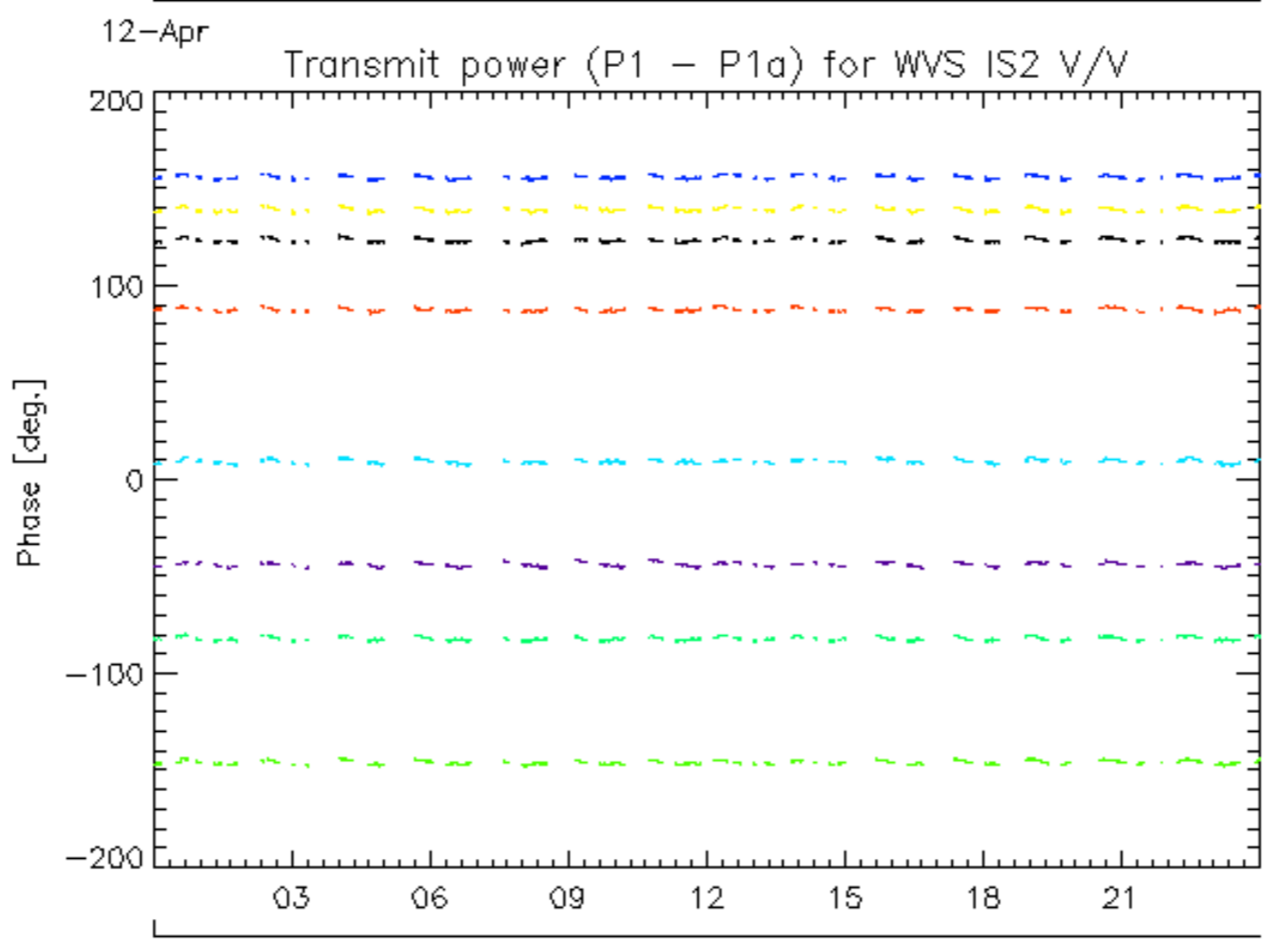
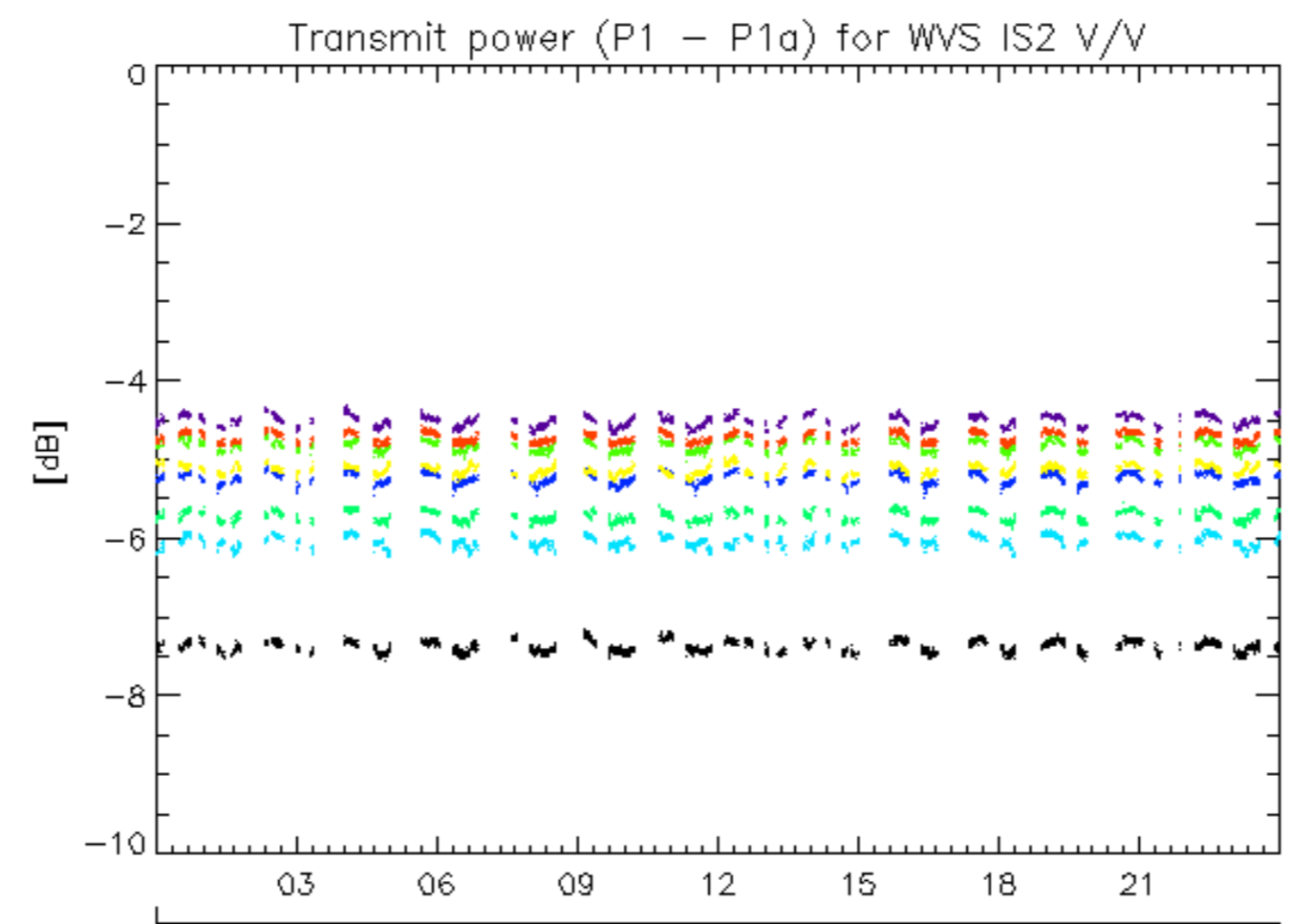


12-Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

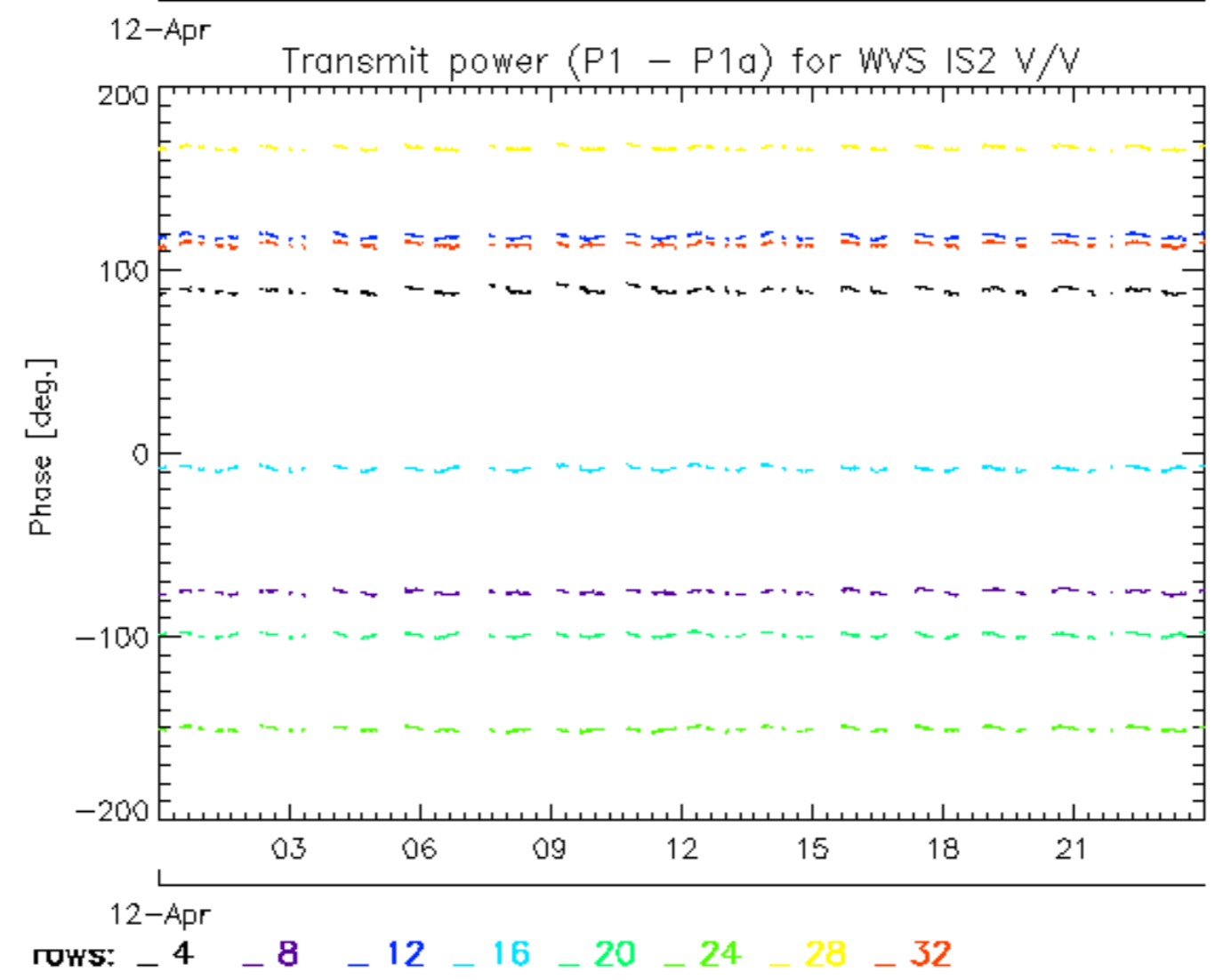
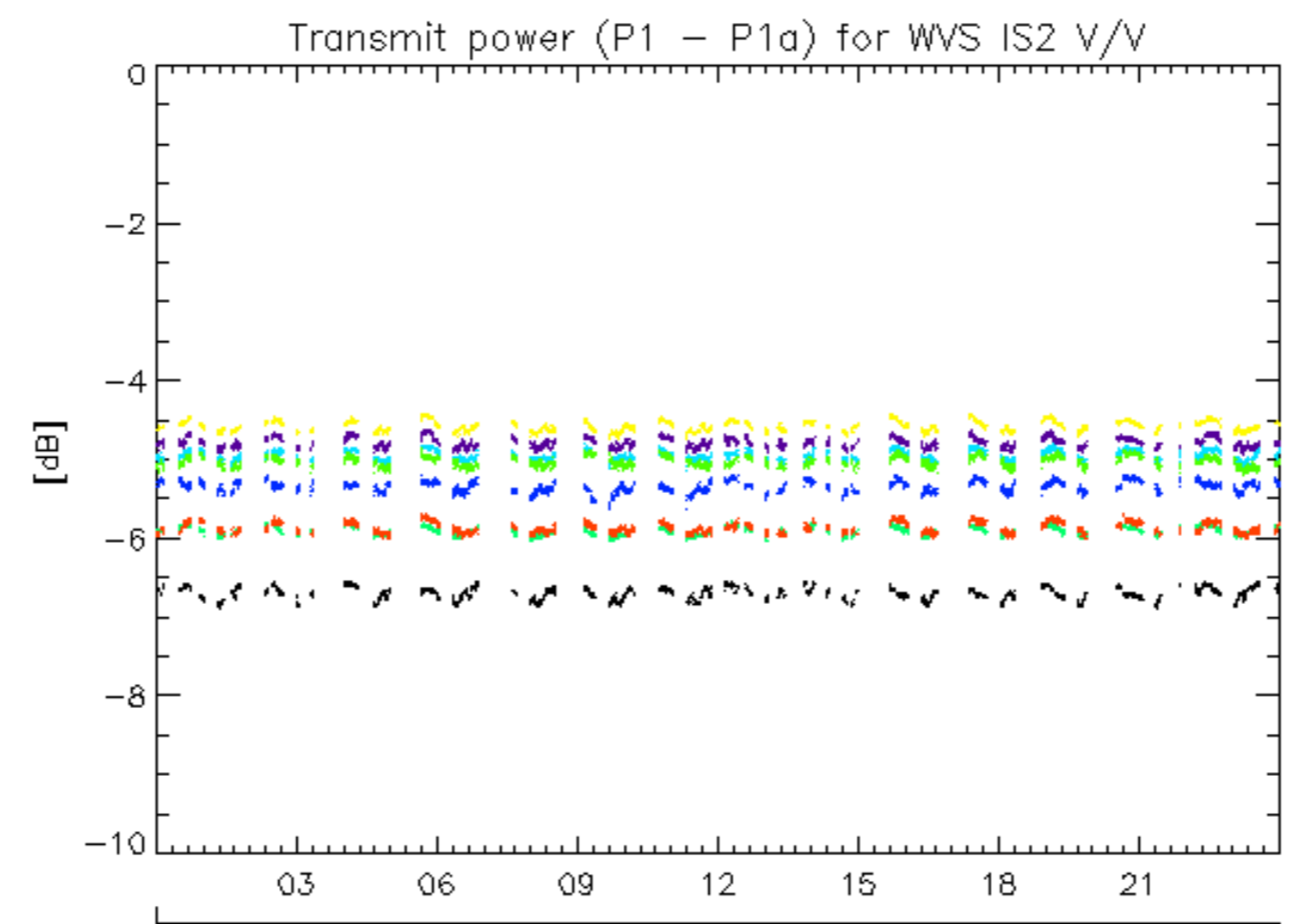


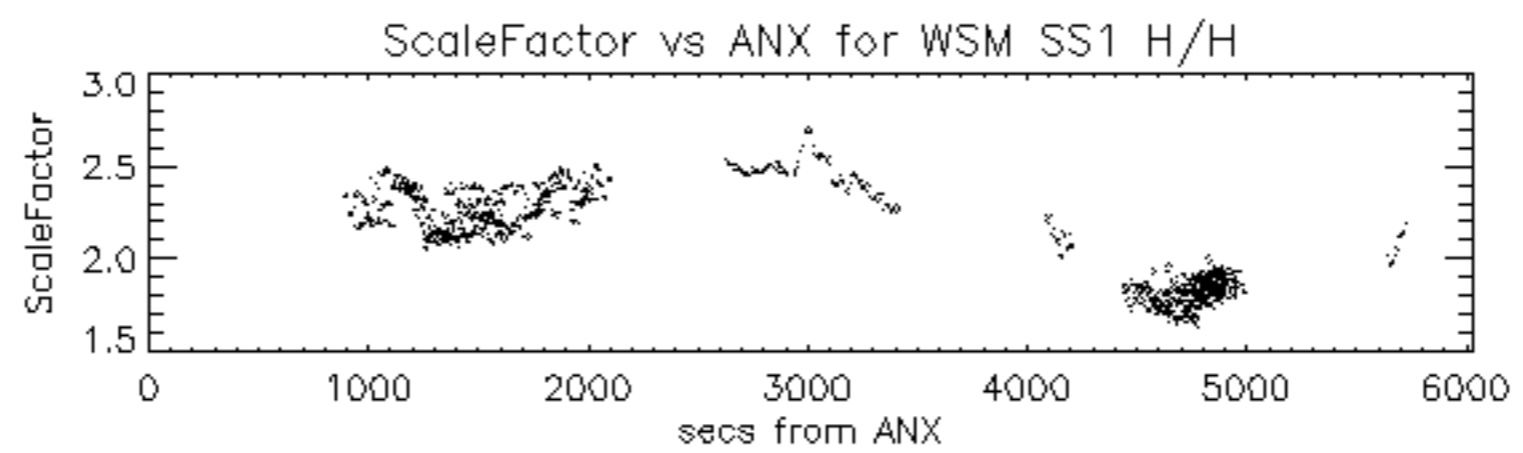


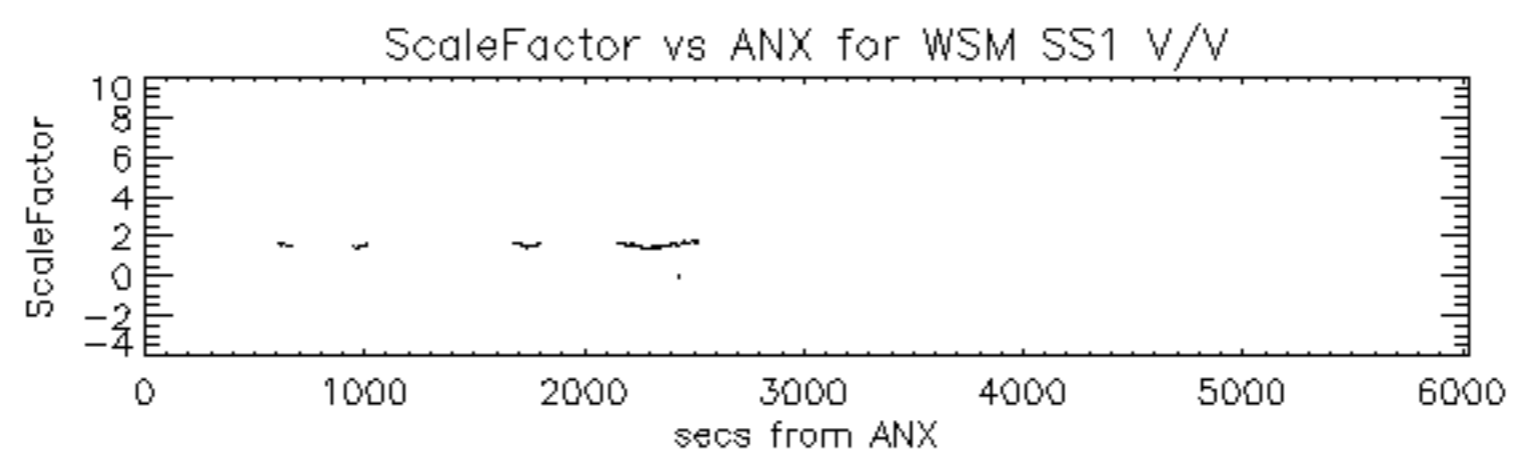


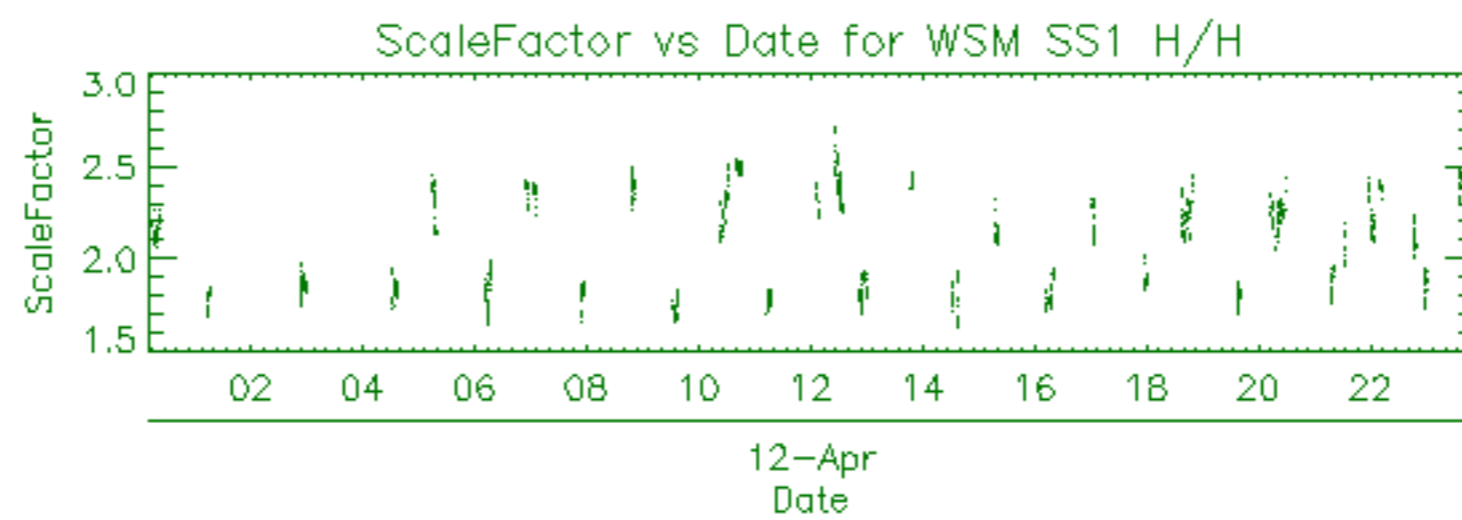


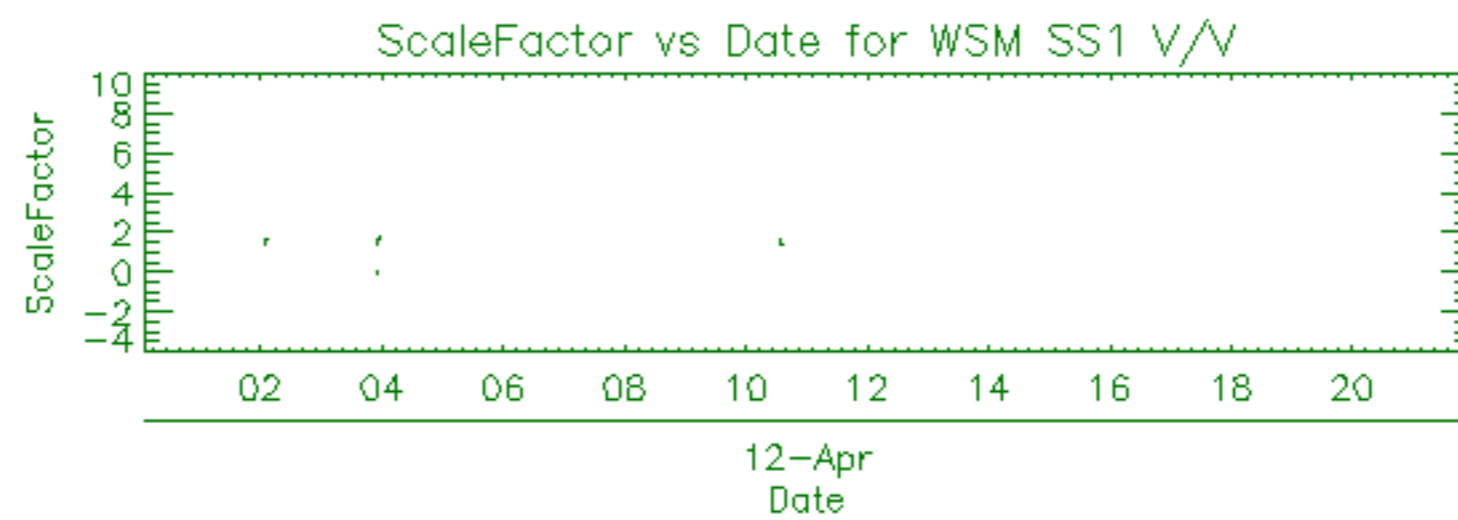
12-Apr
rows: - 3 - 7 - 11 - 15 - 19 - 23 - 27 - 31











Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20110412_014932_000000443101_00233_47661_2034.N1						IS4	H/H	101	47661	233	5.04
ASA_APM_1PNPDE20110412_031236_000000853101_00233_47661_2051.N1						IS5	H/H	101	47661	233	5.04
ASA_APM_1PNPDE20110412_051059_000000443101_00235_47663_2078.N1						IS4	H/H	101	47663	235	5.04
ASA_APM_1PNPDE20110412_072547_000002043101_00236_47664_2103.N1						IS4	V/H	101	47664	236	5.04
ASA_APM_1PNPDE20110412_090233_000002433101_00237_47665_2123.N1						IS4	V/V	101	47665	237	5.04
ASA_APM_1PNPDE20110412_135308_000000433101_00240_47668_2170.N1						IS6	H/H	101	47668	240	5.04
ASA_APM_1PNPDE20110412_140822_000000853101_00240_47668_2169.N1						IS3	V/H	101	47668	240	5.04

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20110412_001407_000001443101_00232_47660_2015.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_002217_000003863101_00232_47660_2018.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_004538_000001143101_00232_47660_2019.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_004837_000003623101_00232_47660_2021.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_010212_000006833101_00232_47660_2023.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_012835_000004833101_00232_47660_2036.N1						SS1	H/H	101	47660	232	5.04
ASA_GM1_1PNPDE20110412_015035_000007613101_00233_47661_2037.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_020548_000004833101_00233_47661_2038.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_021530_000002353101_00233_47661_2040.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_022402_000002293101_00233_47661_2045.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_024228_000005983101_00233_47661_2043.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_030335_000001443101_00233_47661_2042.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_030603_000003923101_00233_47661_2047.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_031422_000002413101_00233_47661_2049.N1						SS1	H/H	101	47661	233	5.04
ASA_GM1_1PNPDE20110412_032224_000008163101_00234_47662_2056.N1						SS1	H/H	101	47662	234	5.04
ASA_GM1_1PNPDE20110412_033648_000010273101_00234_47662_2055.N1						SS1	H/H	101	47662	234	5.04
ASA_GM1_1PNPDE20110412_035759_000001143101_00234_47662_2054.N1						SS1	H/H	101	47662	234	5.04
ASA_GM1_1PNPDE20110412_042239_000005373101_00234_47662_2084.N1						SS1	H/H	101	47662	234	5.04
ASA_GM1_1PNPDE20110412_043716_000000783101_00234_47662_2085.N1						SS1	H/H	101	47662	234	5.04
ASA_GM1_1PNPDE20110412_050019_000006283101_00235_47663_2087.N1						SS1	H/H	101	47663	235	5.04
ASA_GM1_1PNPDE20110412_051200_000001383101_00235_47663_2086.N1						SS1	H/H	101	47663	235	5.04
ASA_GM1_1PNPDE20110412_051857_000009063101_00235_47663_2090.N1						SS1	H/H	101	47663	235	5.04
ASA_GM1_1PNPDE20110412_060253_000004043101_00235_47663_2105.N1						SS1	H/H	101	47663	235	5.04
ASA_GM1_1PNPDE20110412_061706_000001023101_00235_47663_2106.N1						SS1	H/H	101	47663	235	5.04
ASA_GM1_1PNPDE20110412_065201_000001503101_00236_47664_2107.N1						SS1	H/H	101	47664	236	5.04
ASA_GM1_1PNPDE20110412_065718_000002953101_00236_47664_2108.N1						SS1	H/H	101	47664	236	5.04
ASA_GM1_1PNPDE20110412_070518_000005133101_00236_47664_2109.N1						SS1	H/H	101	47664	236	5.04
ASA_GM1_1PNPDE20110412_071656_000005313101_00236_47664_2110.N1						SS1	H/H	101	47664	236	5.04
ASA_GM1_1PNPDE20110412_072928_000003863101_00236_47664_2112.N1						SS1	H/H	101	47664	236	5.04
ASA_GM1_1PNPDK20110412_074311_000005983101_00236_47664_9028.N1						SS1	H/H	101	47664	236	5.04
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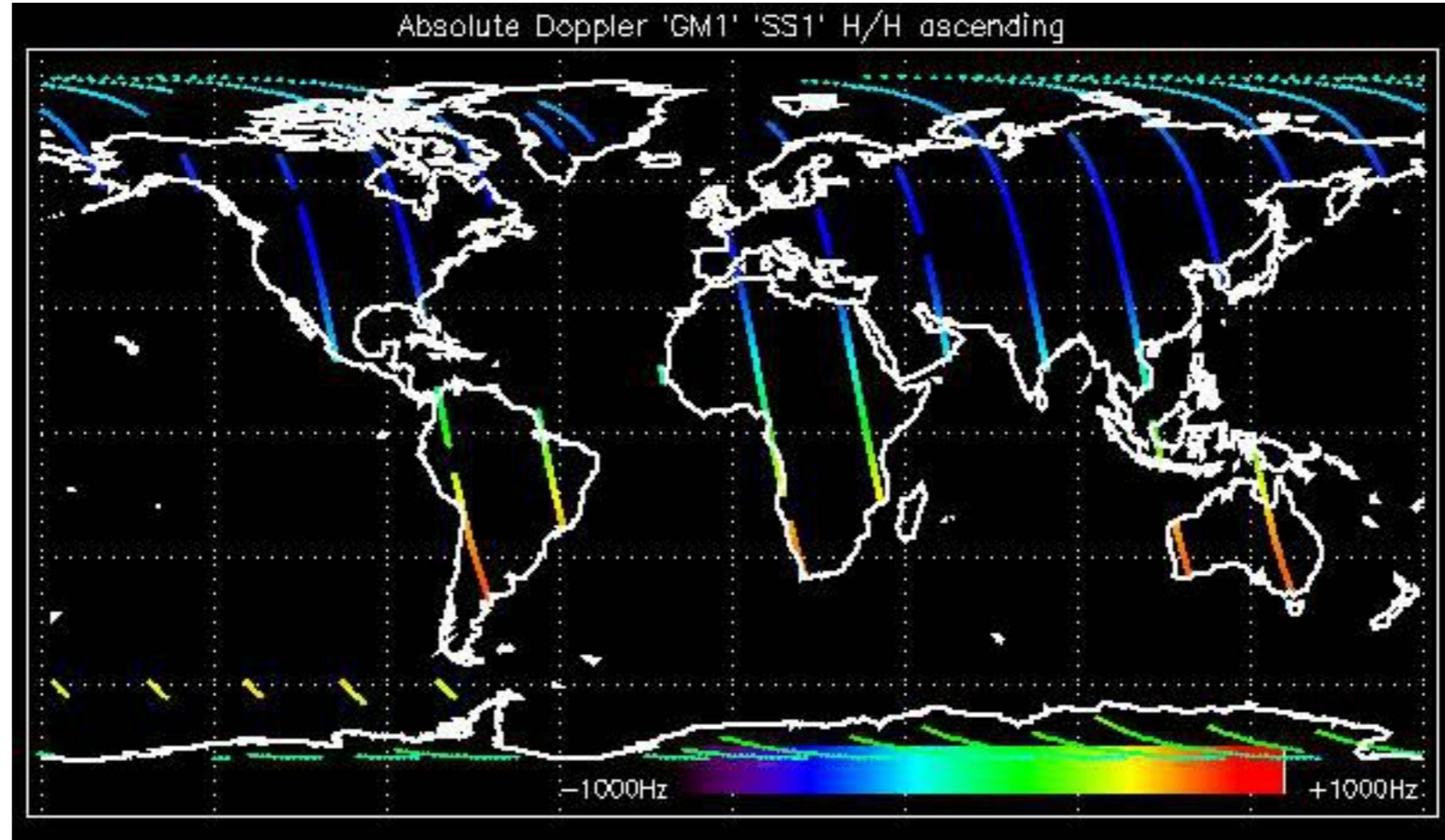
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ASA_GM1_1PNPDE20110412_202459_000001203101_00244_47672_2182.N1	SS1	H/H	101	47672	244	5.04
ASA_GM1_1PNPDE20110412_202838_000001573101_00244_47672_2184.N1	SS1	H/H	101	47672	244	5.04
ASA_GM1_1PNPDE20110412_210500_000007373101_00244_47672_2187.N1	SS1	H/H	101	47672	244	5.04
ASA_GM1_1PNPDE20110412_212812_000002233101_00244_47672_2200.N1	SS1	H/H	101	47672	244	5.04
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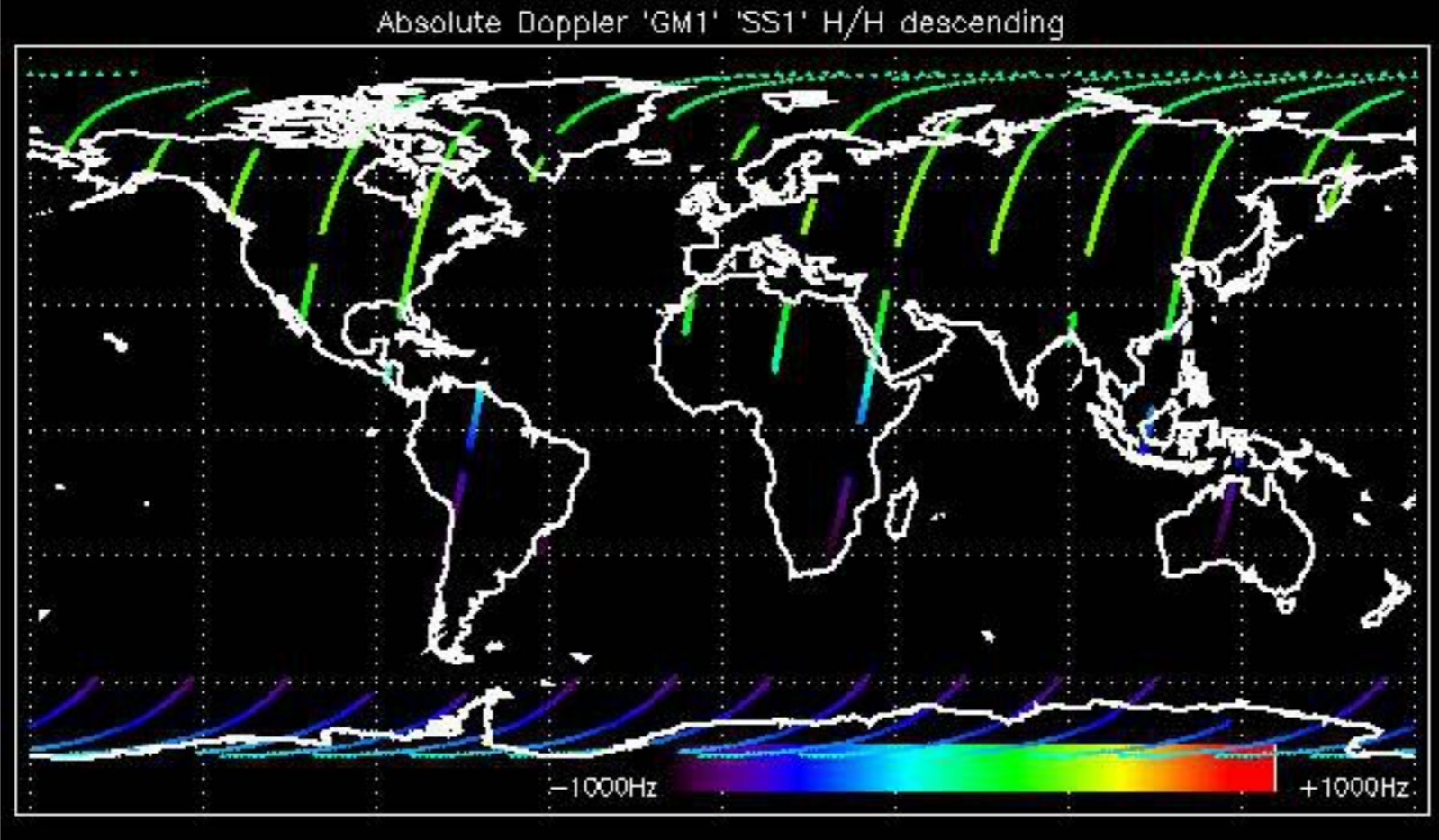
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ASA_IMM_1PNPDK20110412_082529_000000513101_00237_47665_9042.N1						IS2	V/V	101	47665	237	5.04
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ASA_IMM_1PNPDE20110412_171421_000001223101_00242_47670_2175.N1						IS6	H/H	101	47670	242	5.04
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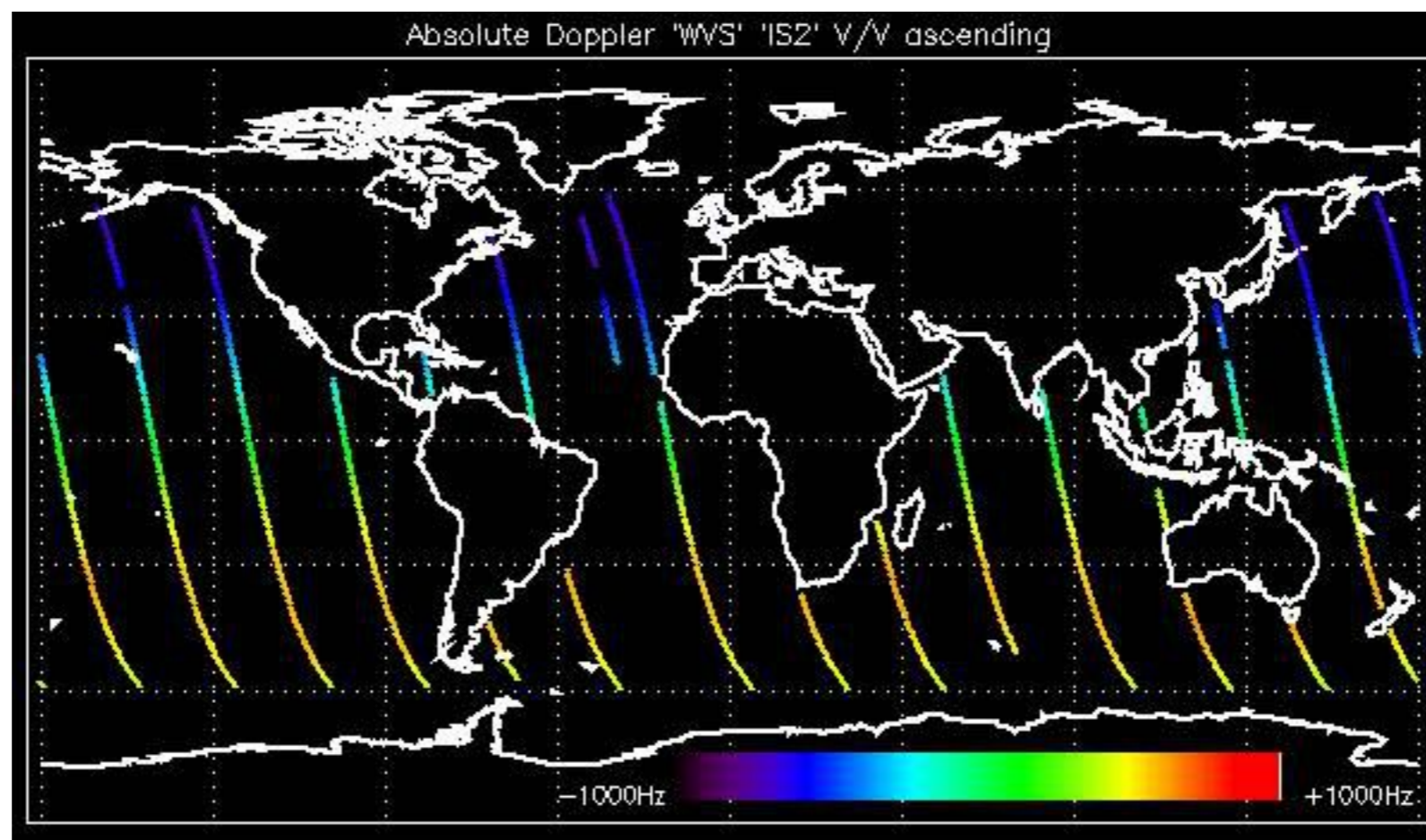
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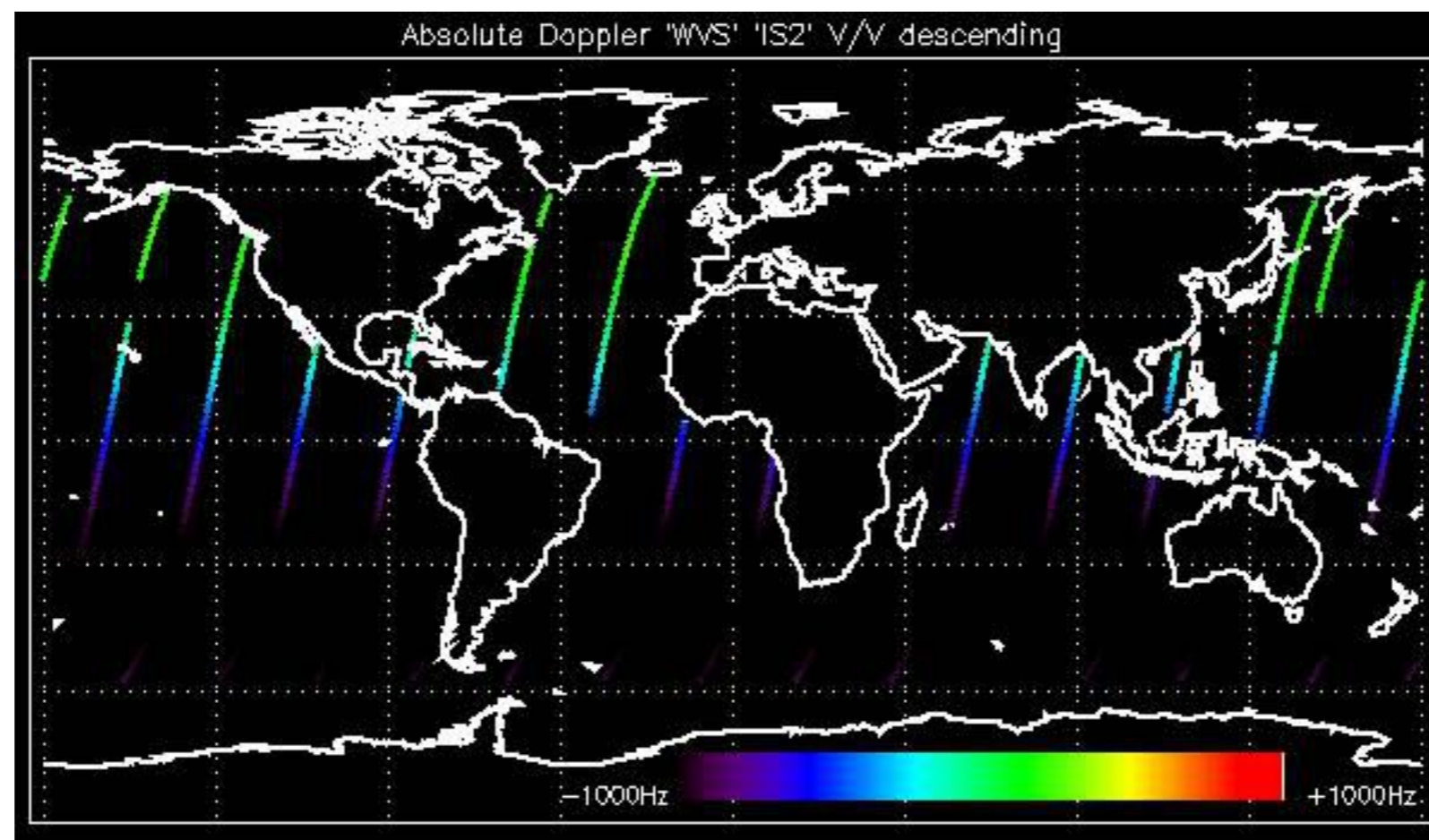
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ASA_WSM_1PNPDE20110412_001034_000002143101_00232_47660_2012.N1						SS1	H/H	101	47660	232	5.04
ASA_WSM_1PNPDE20110412_001635_000003433101_00232_47660_2013.N1						SS1	H/H	101	47660	232	5.04
ASA_WSM_1PNPDE20110412_011339_000002143101_00232_47660_2014.N1						SS1	H/H	101	47660	232	5.04
ASA_WSM_1PNPDE20110412_020317_000001353101_00233_47661_2033.N1						SS1	V/V	101	47661	233	5.04
ASA_WSM_1PNPDE20110412_025227_000003923101_00233_47661_2048.N1						SS1	H/H	101	47661	233	5.04
ASA_WSM_1PNPDE20110412_035357_000002393101_00234_47662_2032.N1						SS1	V/V	101	47662	234	5.04
ASA_WSM_1PNPDE20110412_043140_000003303101_00234_47662_2079.N1						SS1	H/H	101	47662	234	5.04
ASA_WSM_1PNPDE20110412_051422_000002693101_00235_47663_2080.N1						SS1	H/H	101	47663	235	5.04
ASA_WSM_1PNPDE20110412_060938_000004343101_00235_47663_2118.N1						SS1	H/H	101	47663	235	5.04
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ASA_WSM_1PNPDK20110412_093220_000003303101_00237_47665_9078.N1						SS1	H/H	101	47665	237	5.04
ASA_WSM_1PNPDK20110412_102240_000002143101_00238_47666_9076.N1						SS1	H/H	101	47666	238	5.04
ASA_WSM_1PNPDE20110412_102829_000002143101_00238_47666_2144.N1						SS1	H/H	101	47666	238	5.04
ASA_WSM_1PNPDE20110412_103224_000002083101_00238_47666_2145.N1						SS1	V/V	101	47666	238	5.04
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ASA_WSM_1PNPDK20110412_134712_000000923101_00240_47668_9144.N1						SS1	H/H	101	47668	240	5.04
ASA_WSM_1PNPDE20110412_143049_000001353101_00240_47668_2171.N1						SS1	H/H	101	47668	240	5.04
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ASA_WSM_1PNPDK20110412_151709_000002083101_00241_47669_9170.N1						SS1	H/H	101	47669	241	5.04
ASA_WSM_1PNPDE20110412_161155_000001283101_00241_47669_2173.N1						SS1	H/H	101	47669	241	5.04
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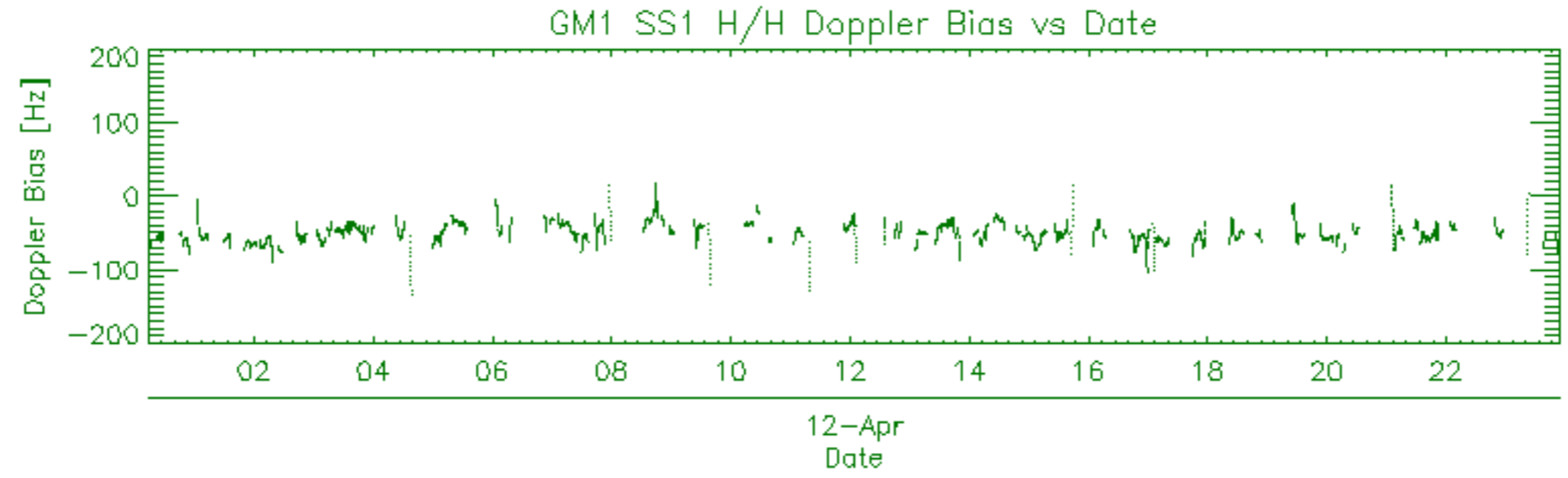
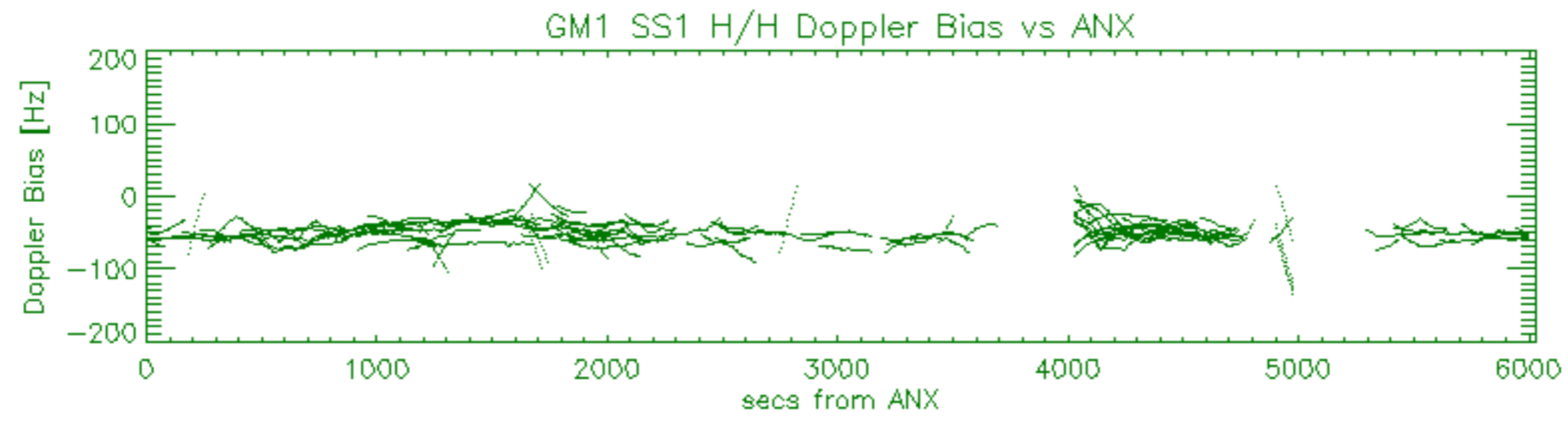
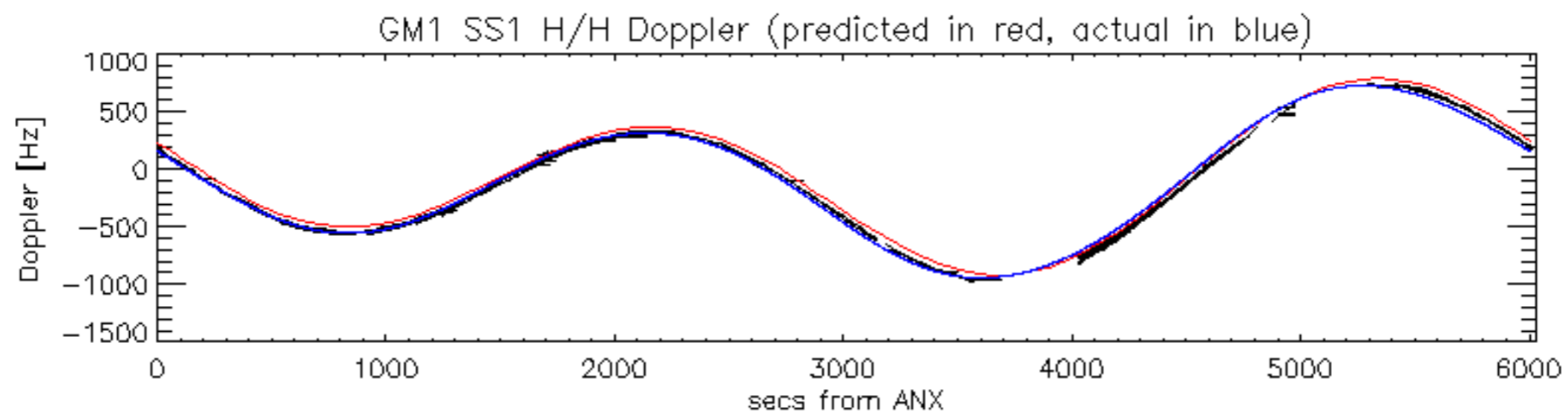
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ASA_WVS_1PNPDE20110412_043842_000012593101_00234_47662_2088.N1						IS2	V/V	101	47662	234	5.04
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ASA_WVS_1PNPDE20110412_073600_000001203101_00236_47664_2113.N1						IS2	V/V	101	47664	236	5.04
ASA_WVS_1PNPDK20110412_073715_000003153101_00236_47664_9027.N1						IS2	V/V	101	47664	236	5.04
ASA_WVS_1PNPDE20110412_073600_000001203101_00236_47664_2113.N1						IS1	V/V	101	47664	236	5.04
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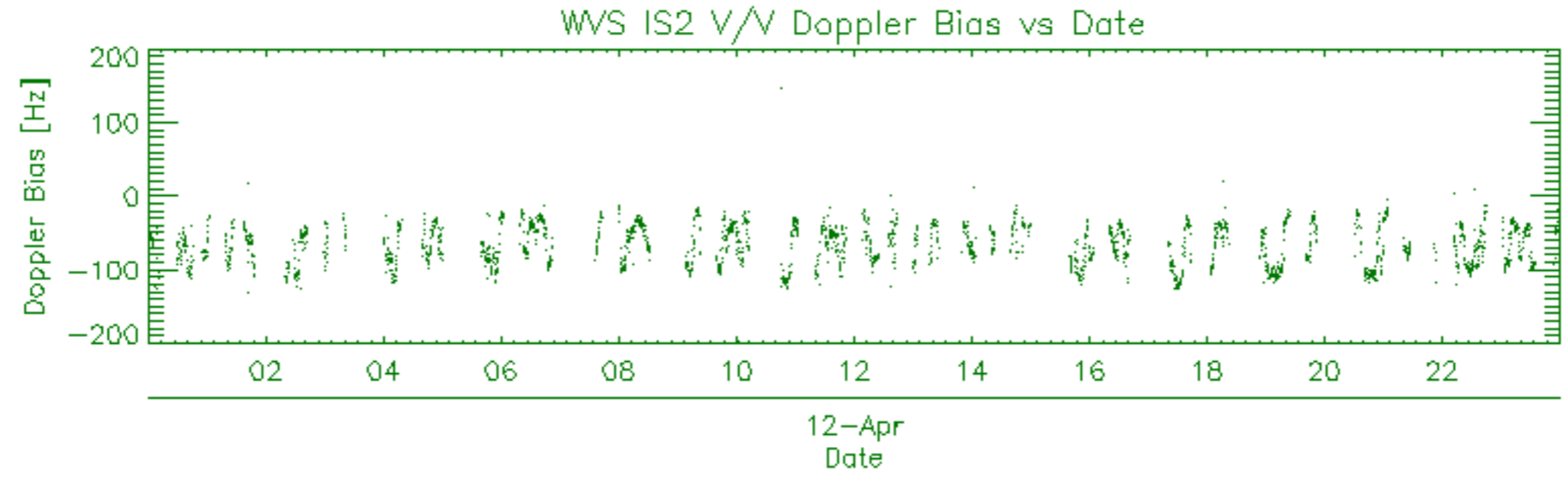
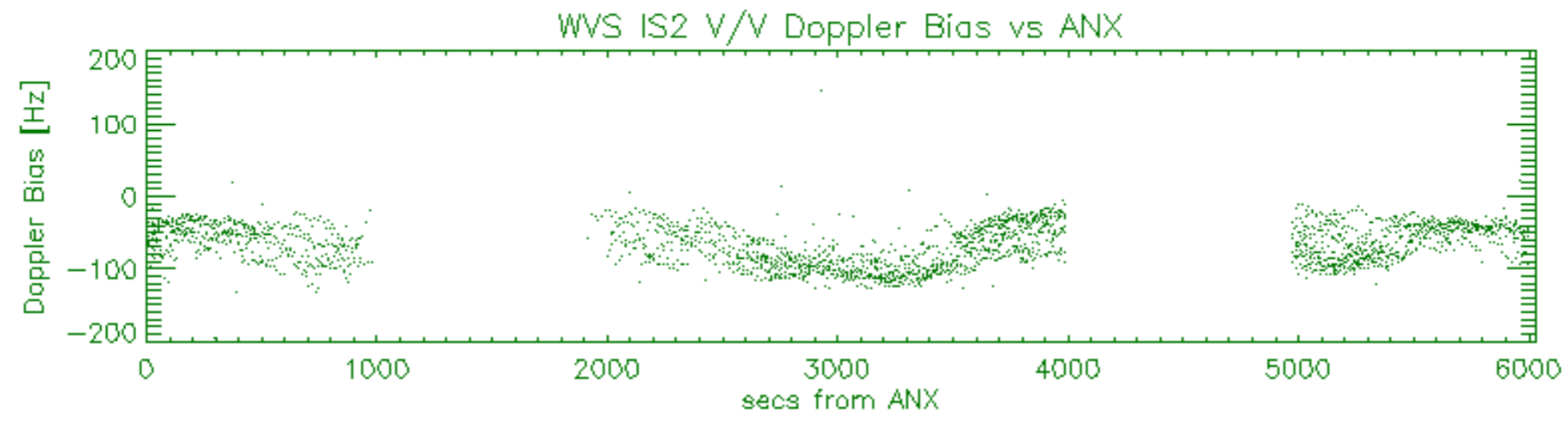
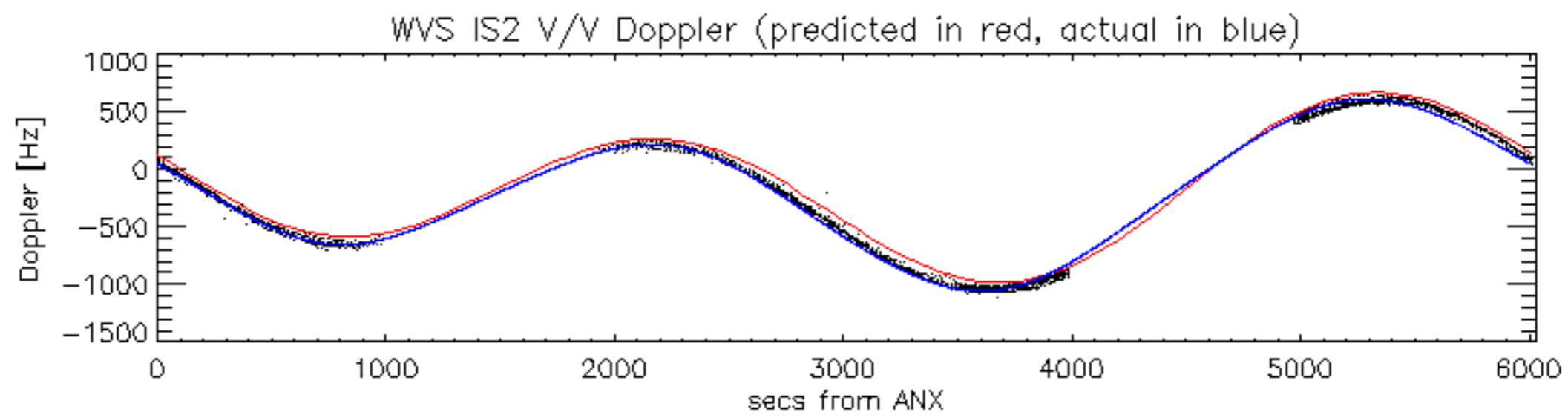


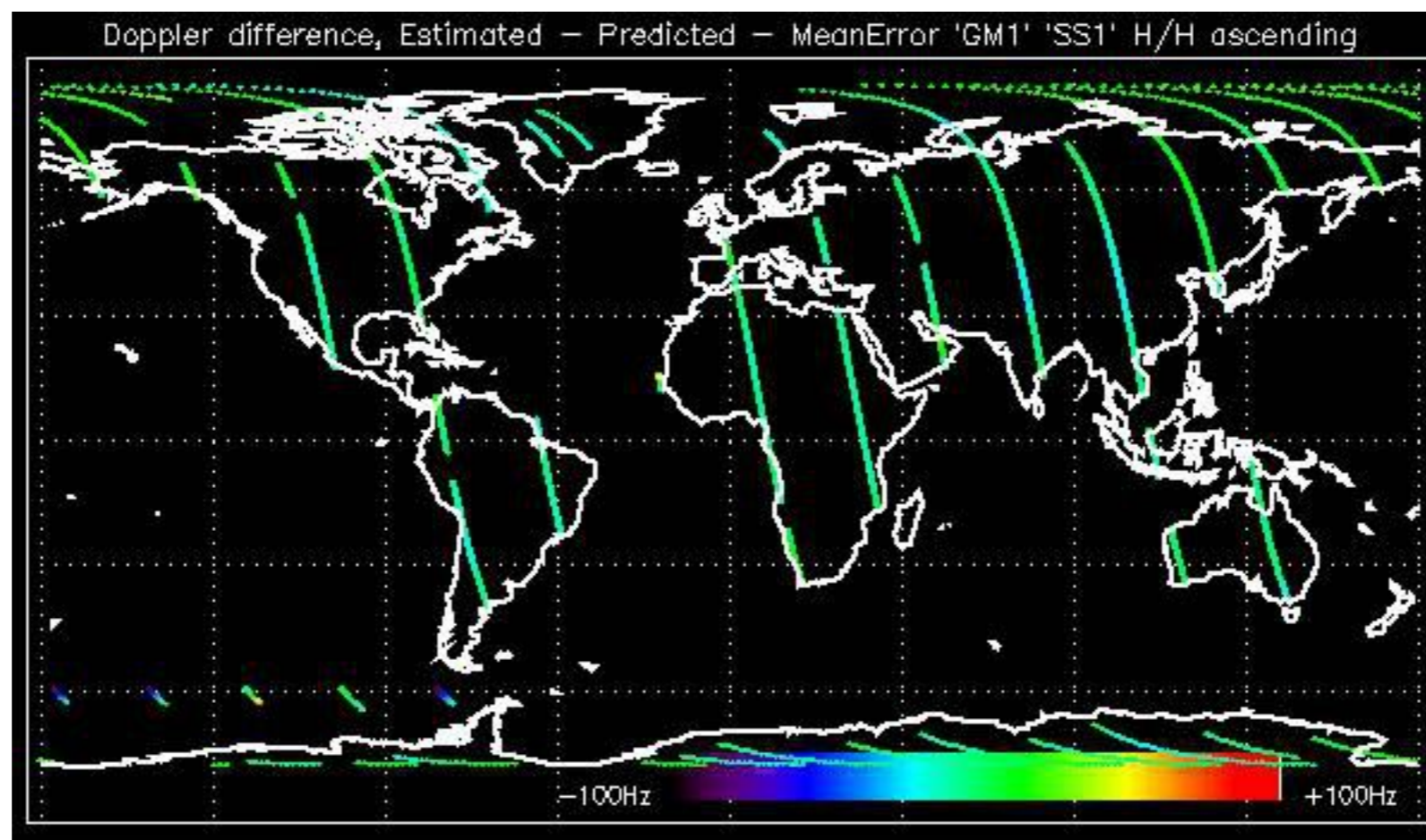


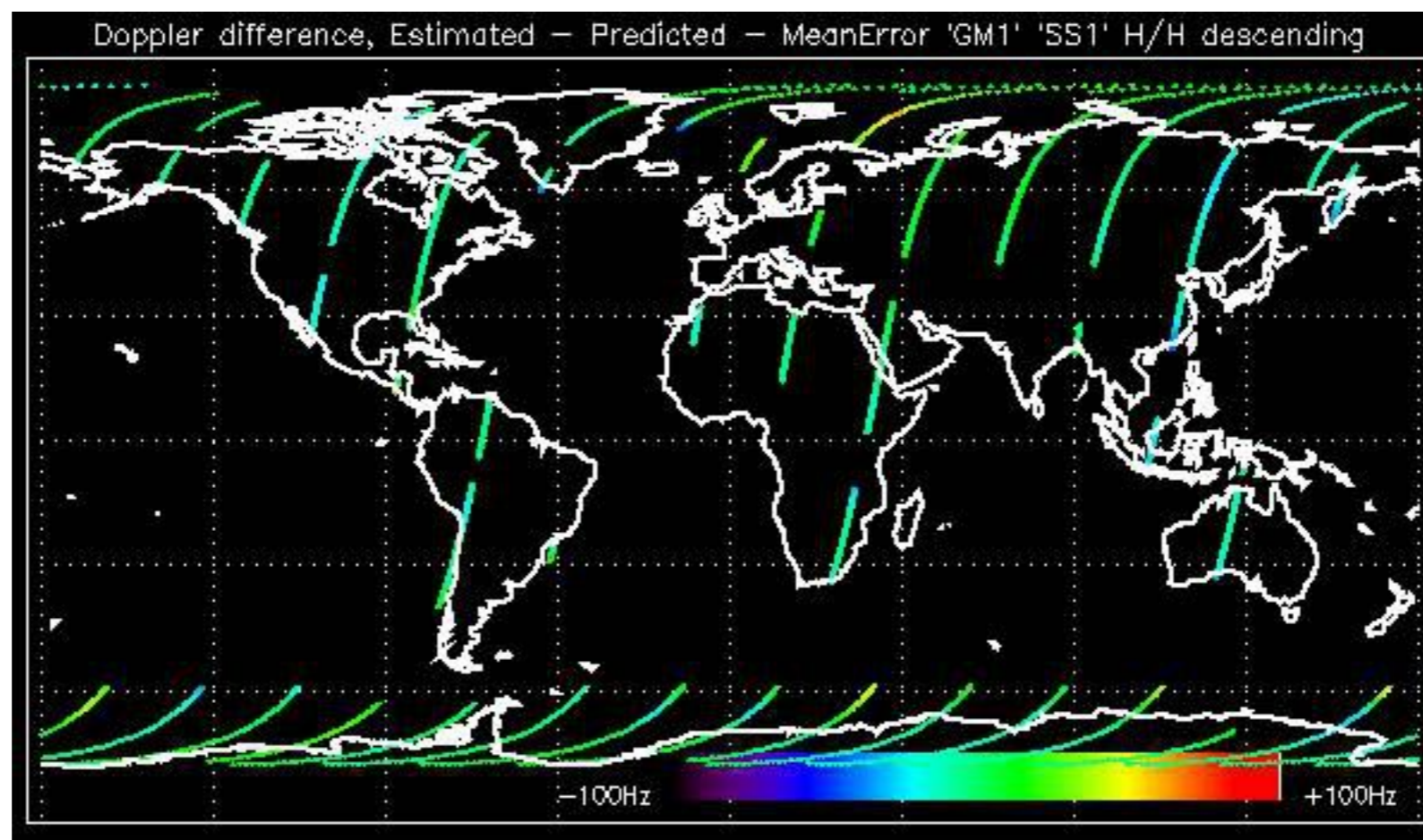


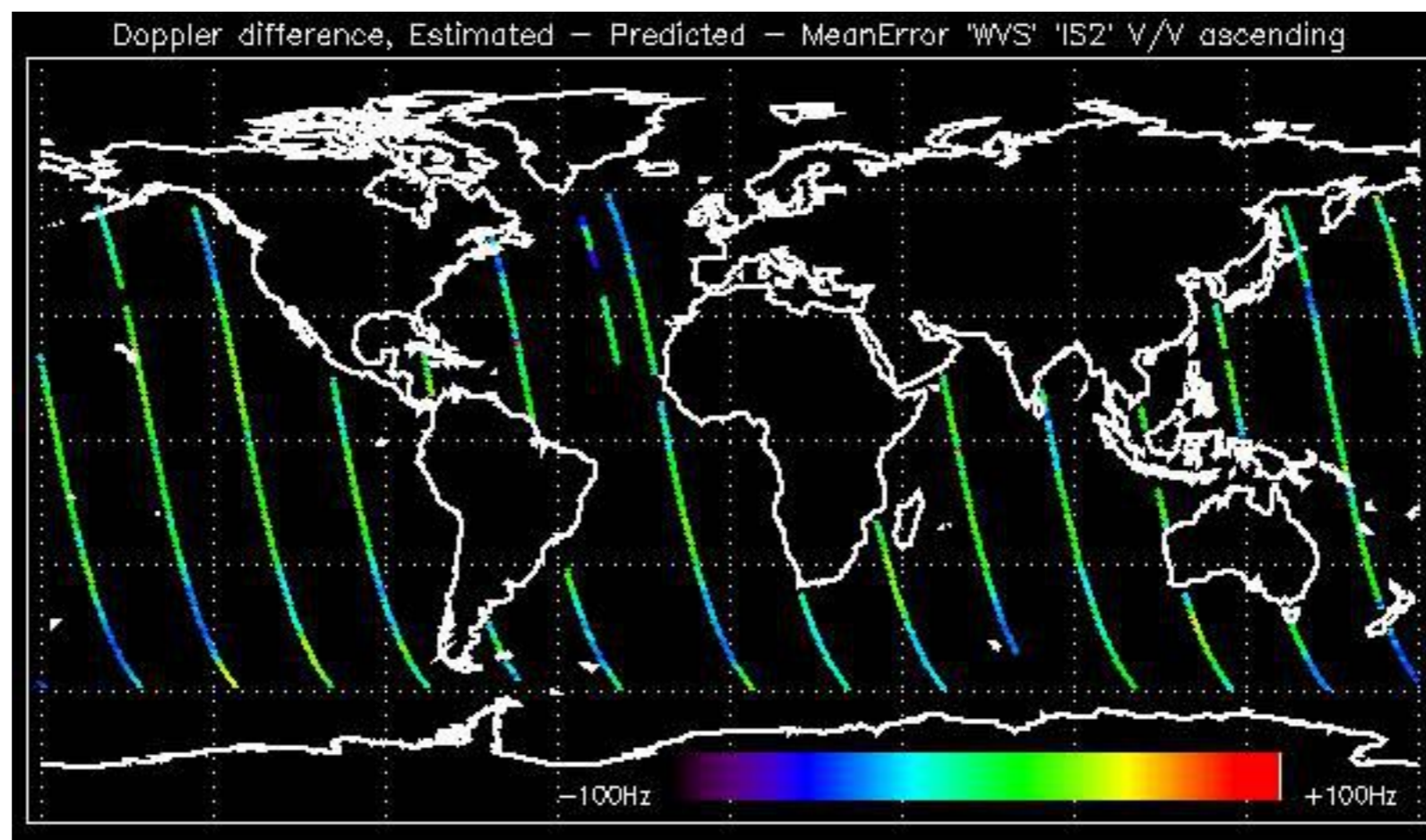


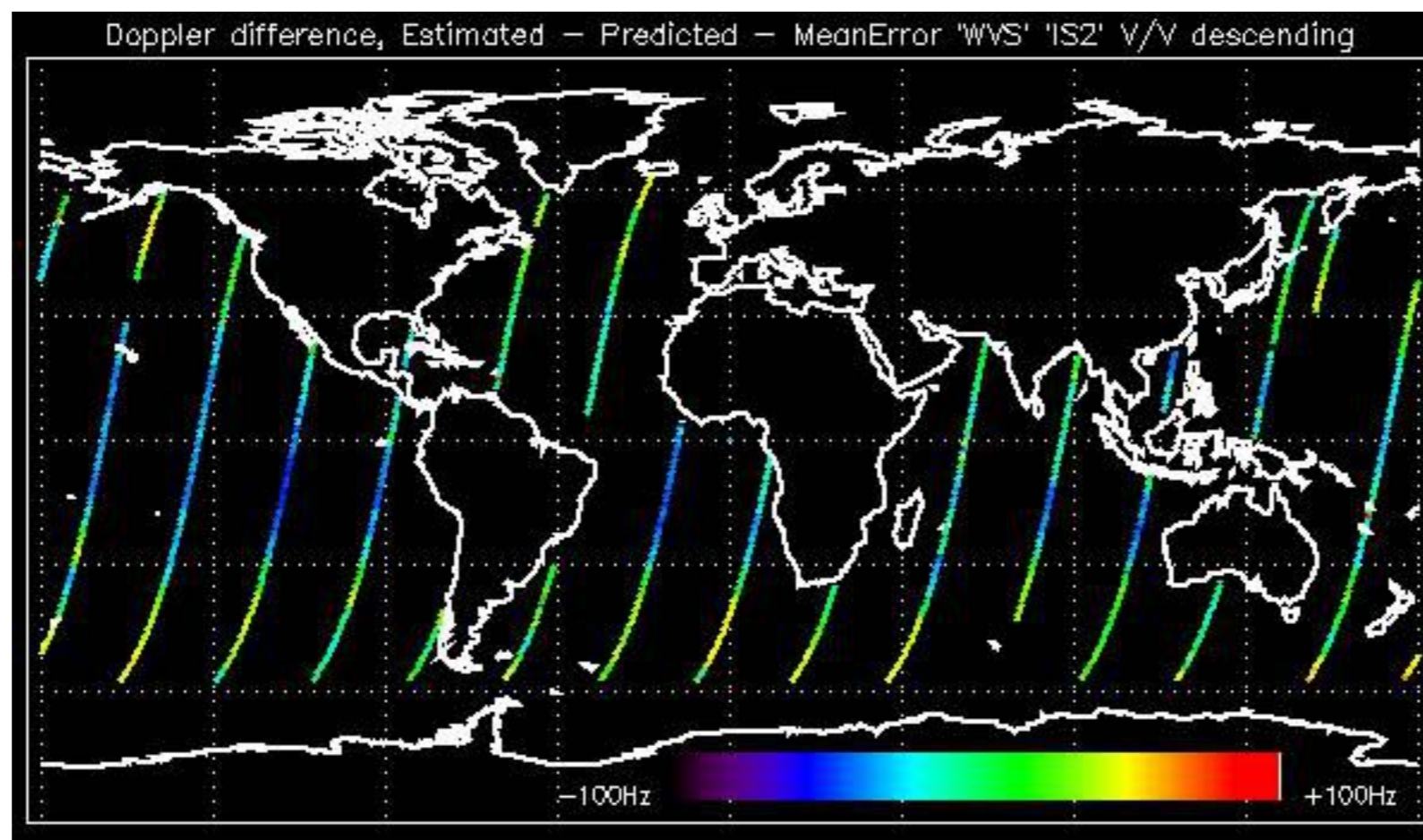


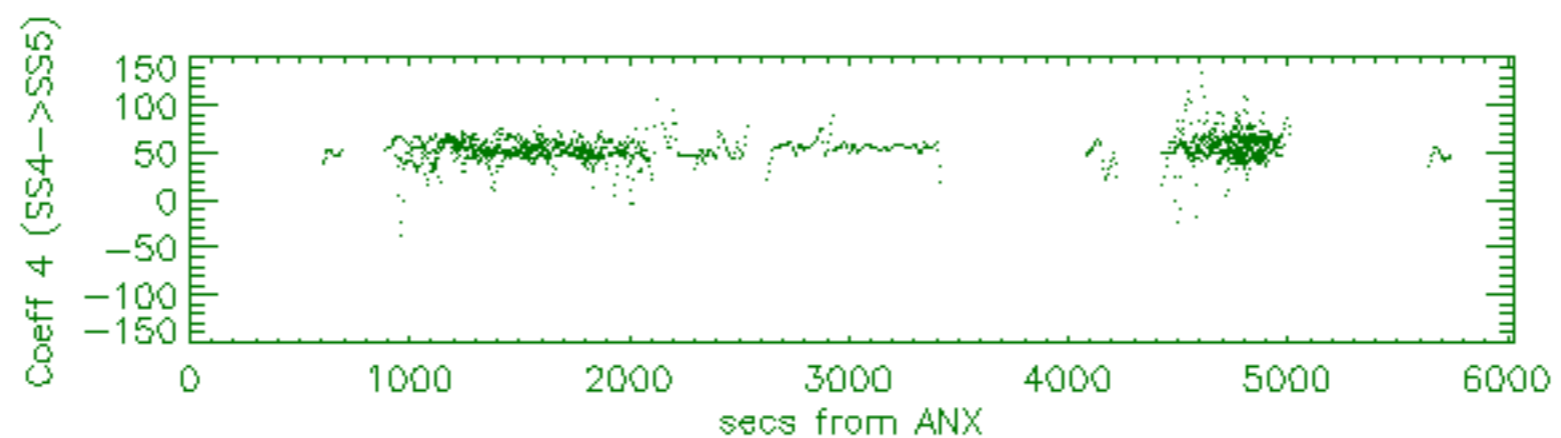
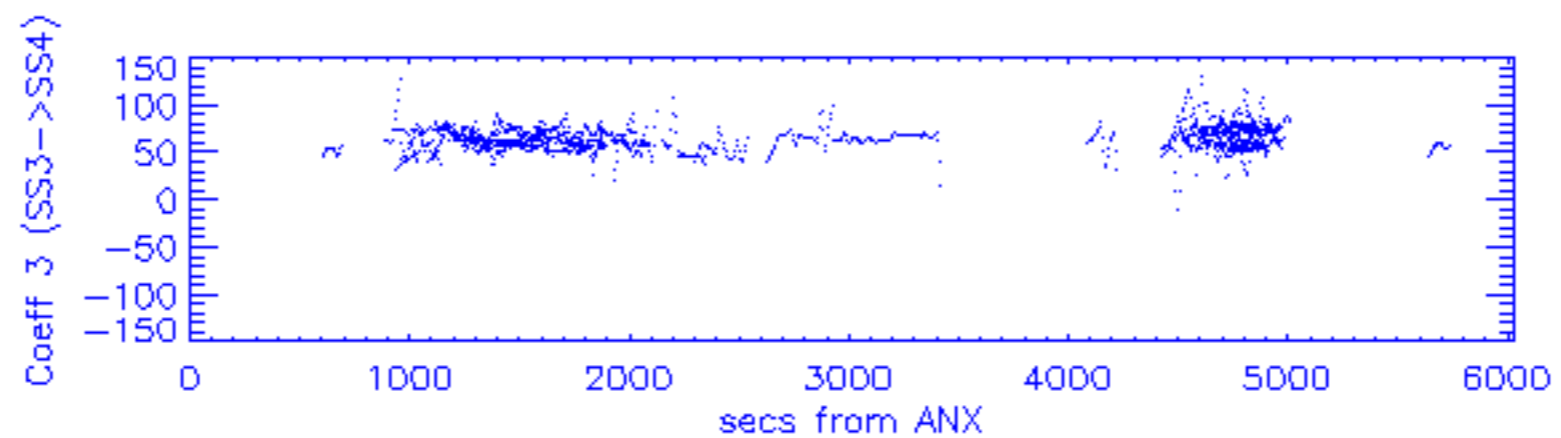
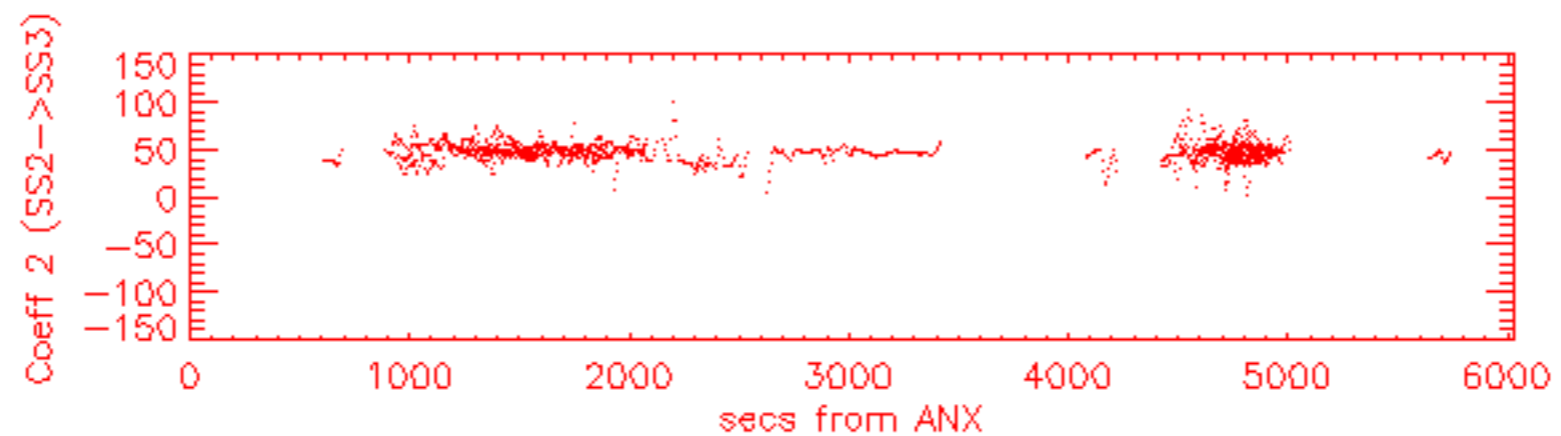
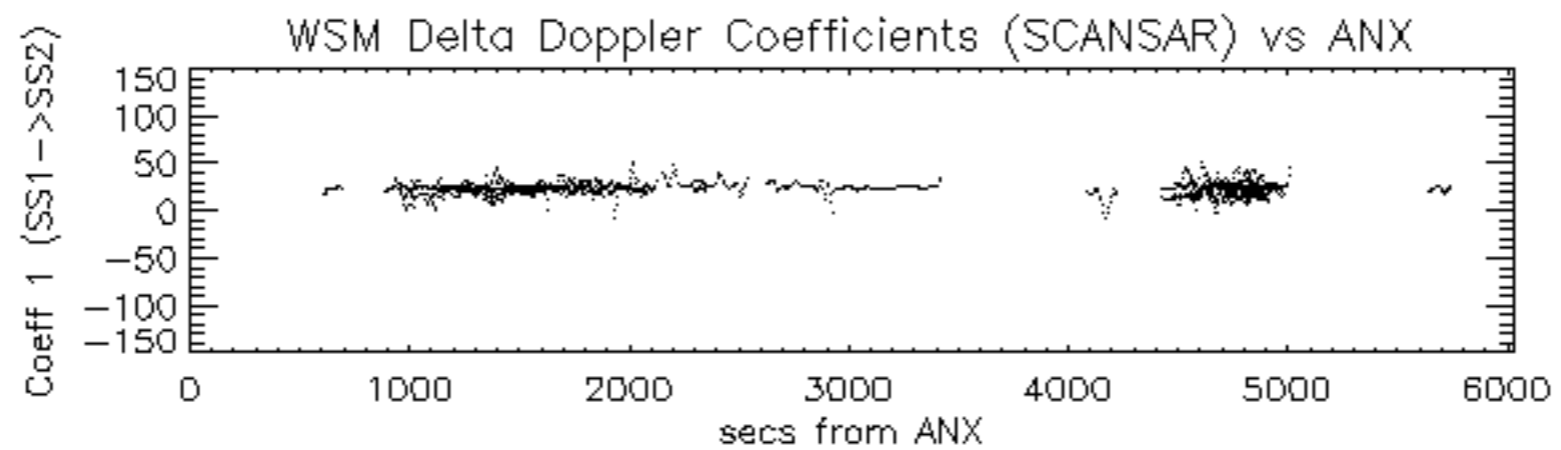


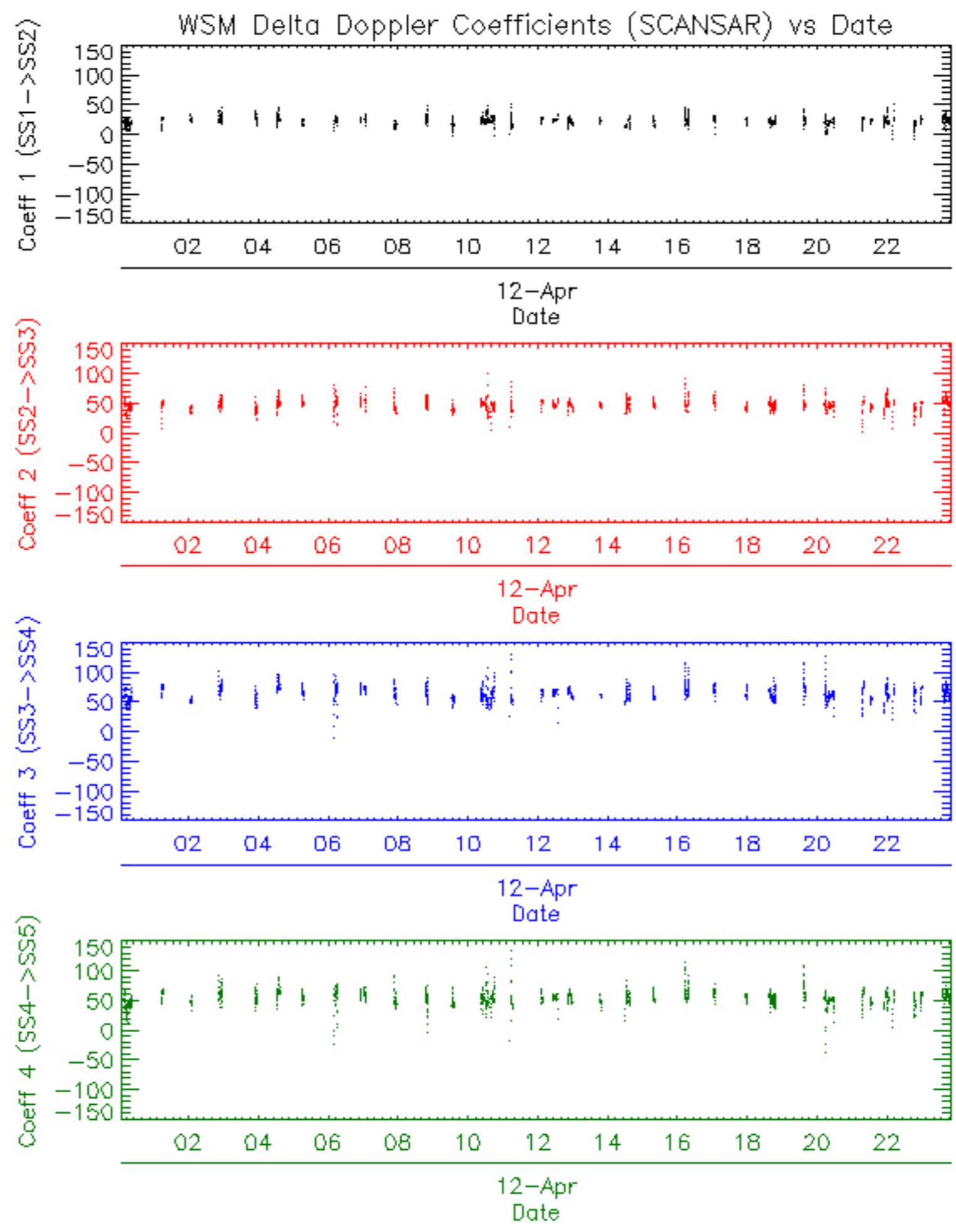


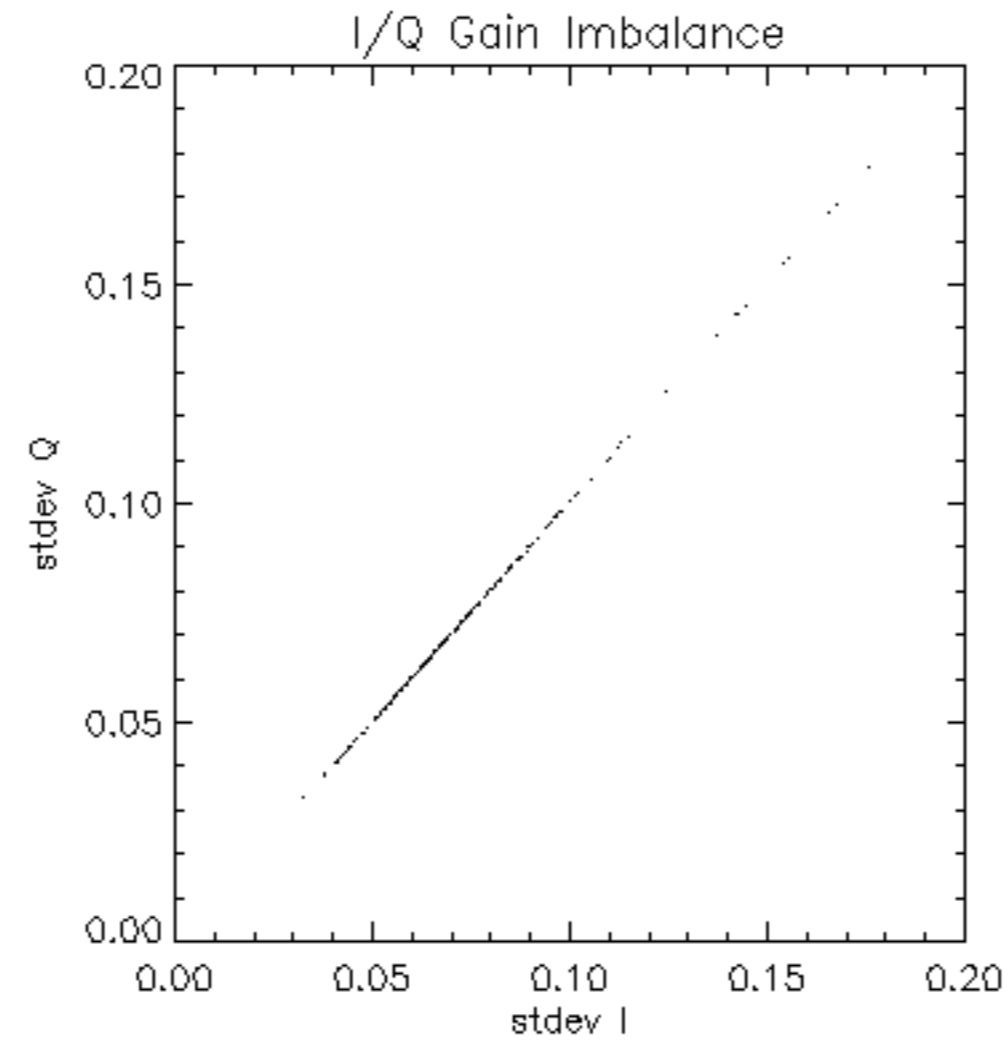


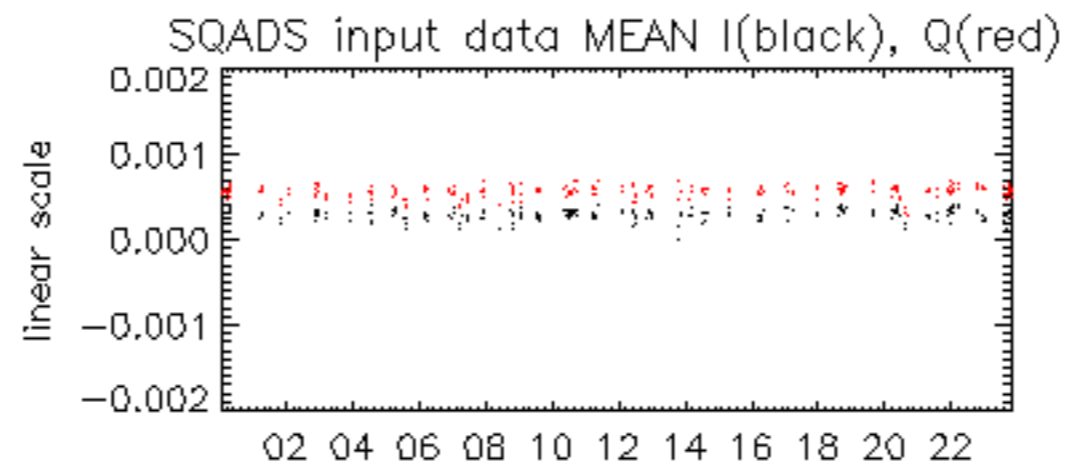




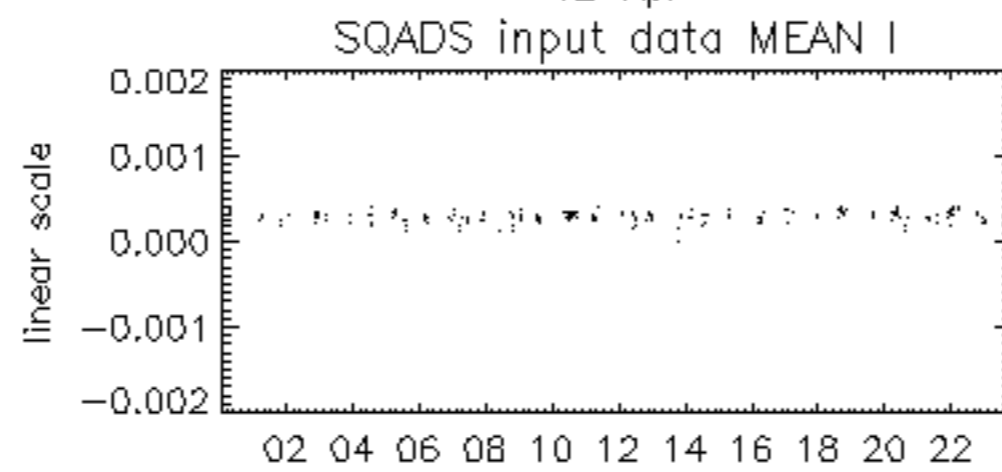




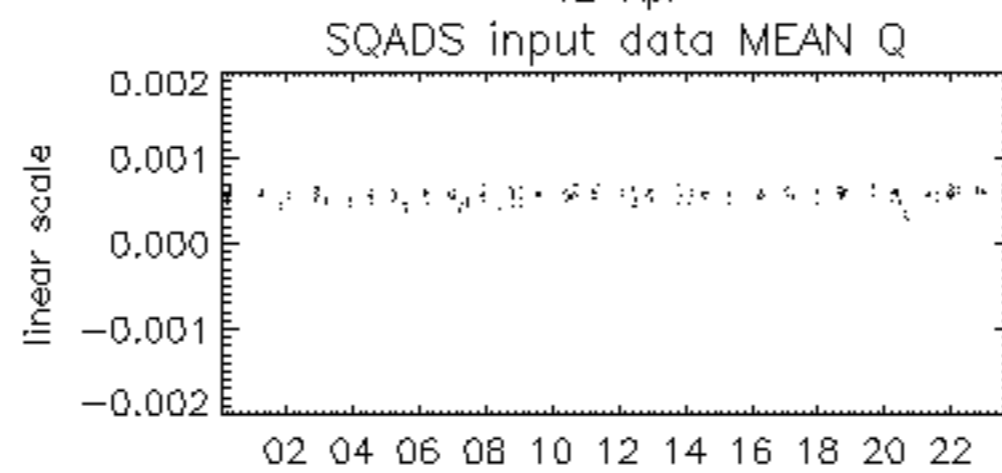




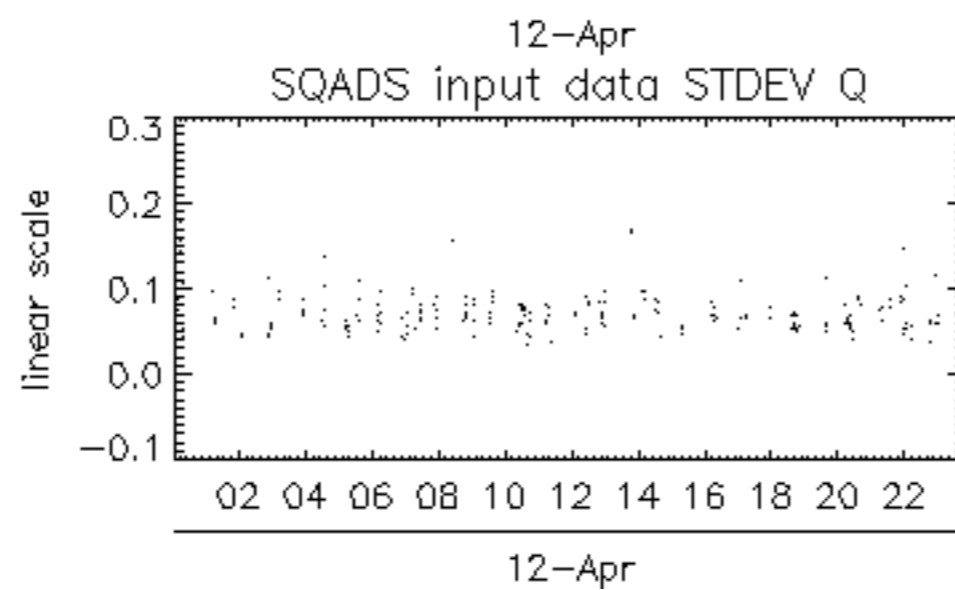
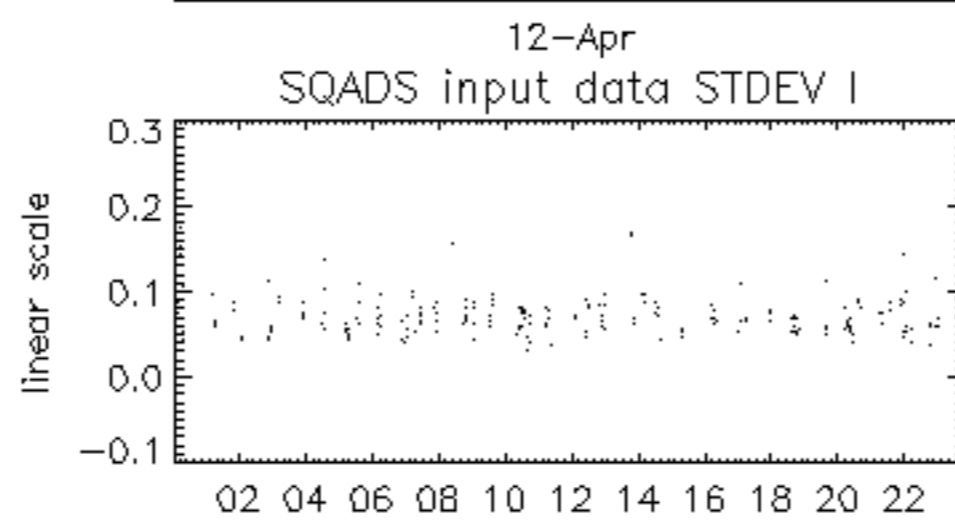
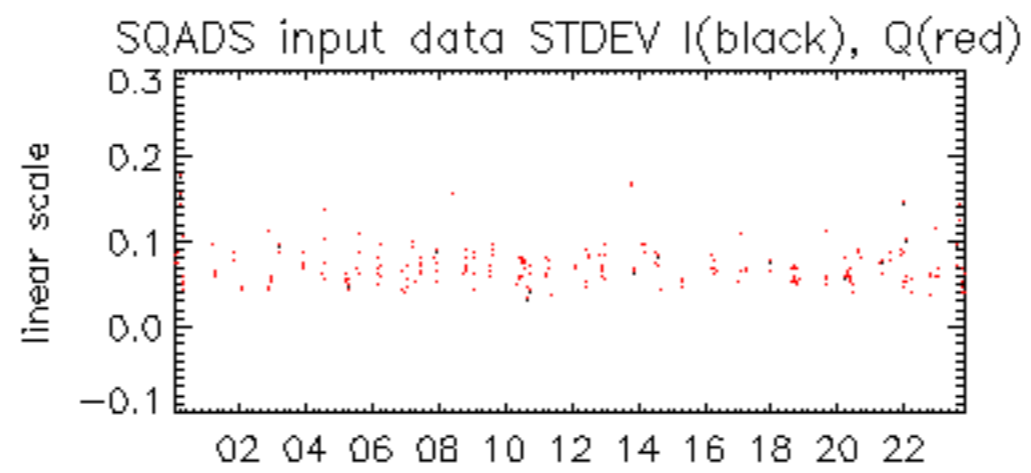
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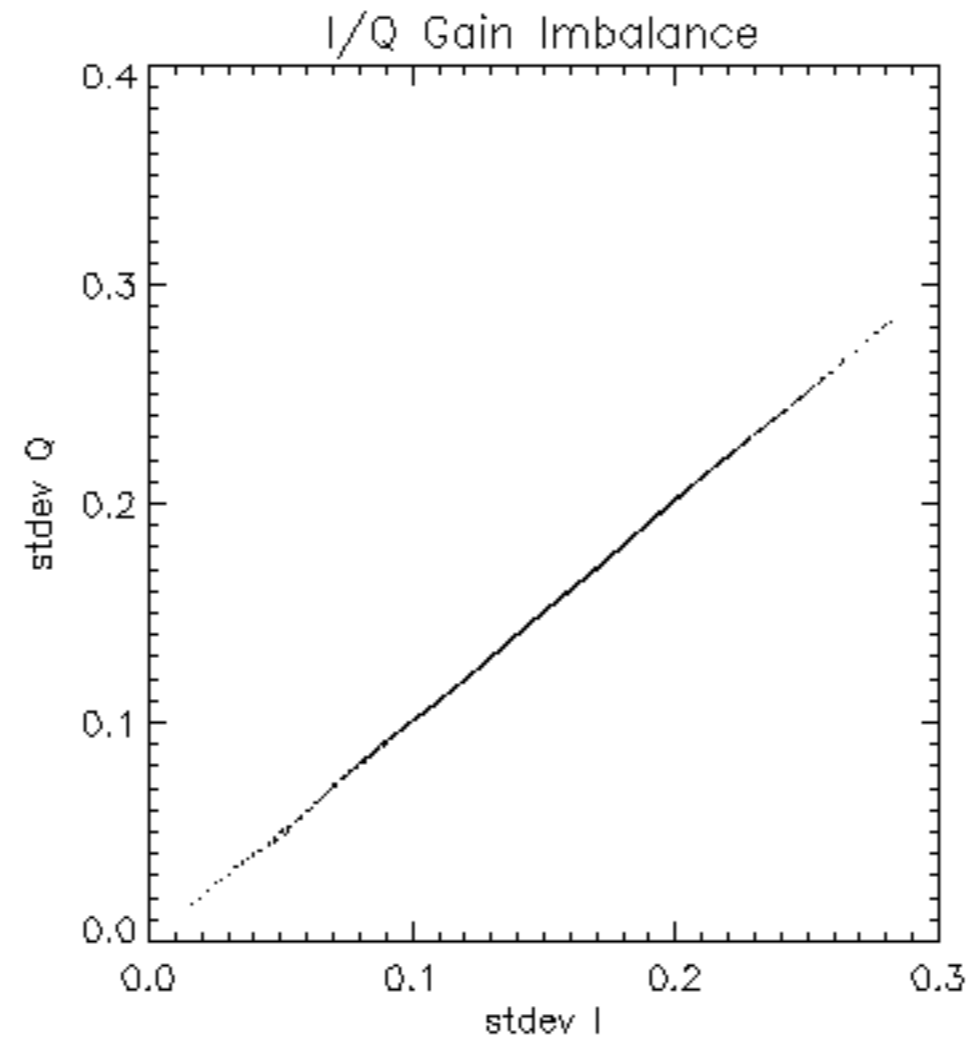


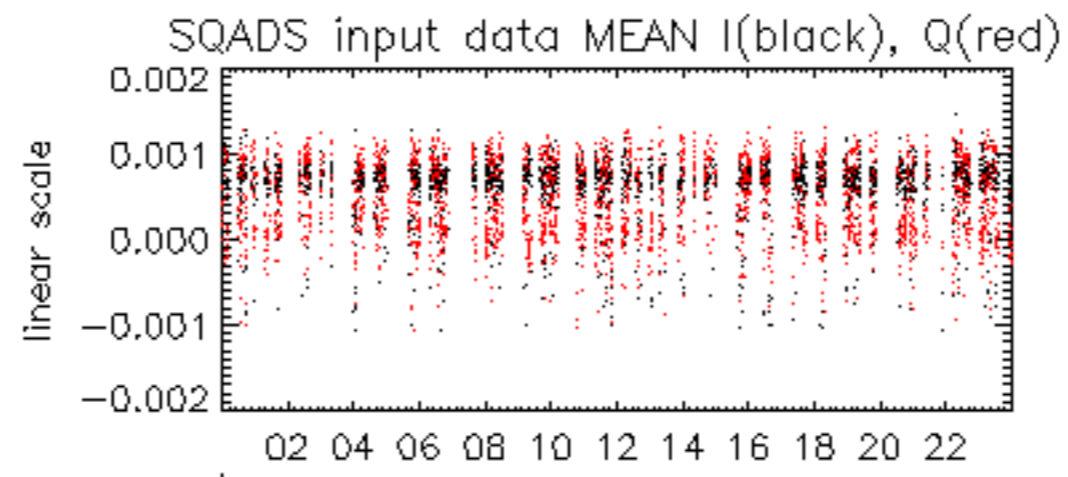
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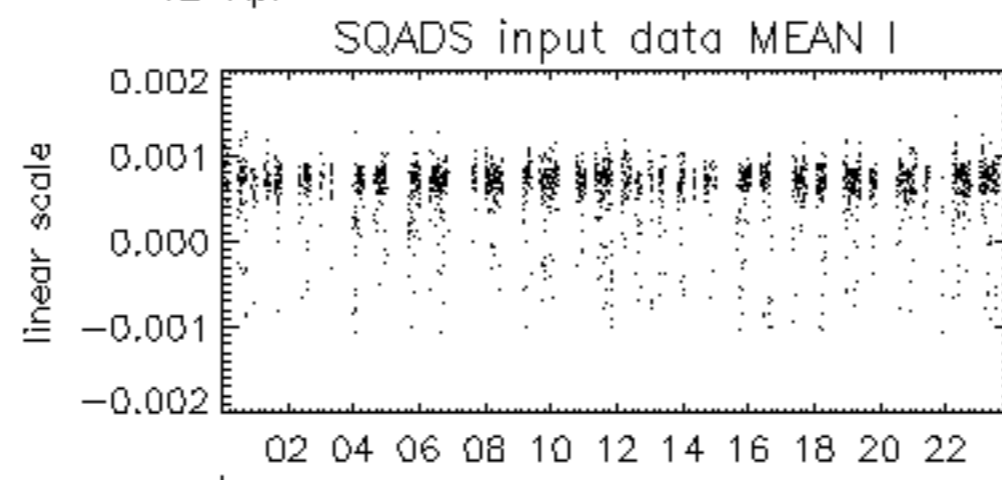
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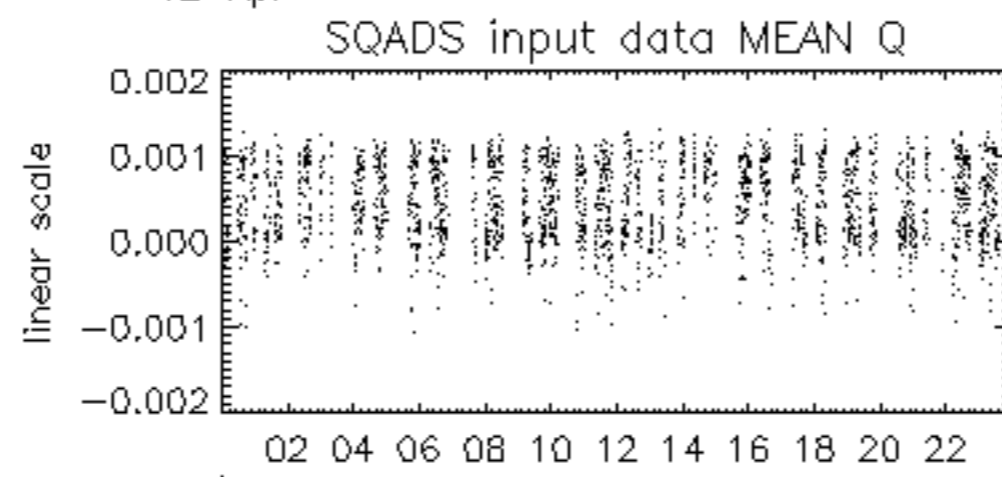




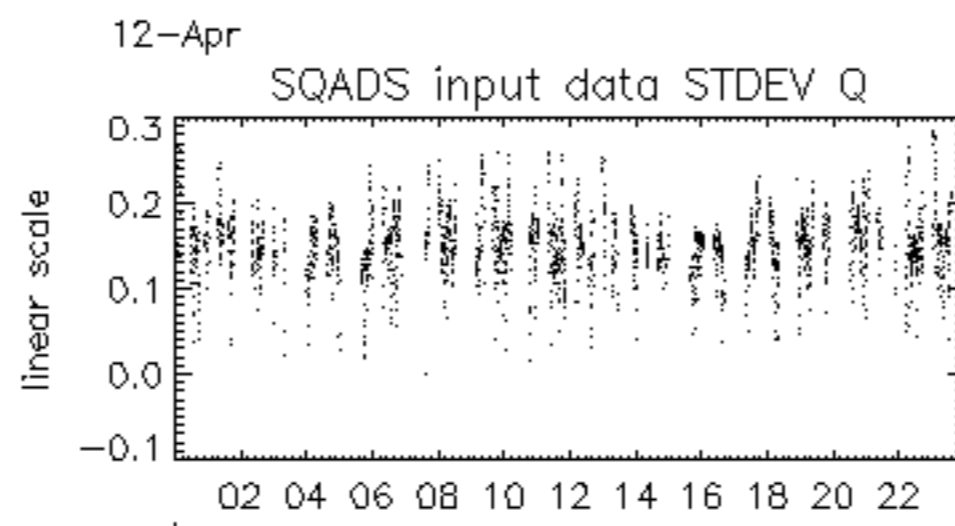
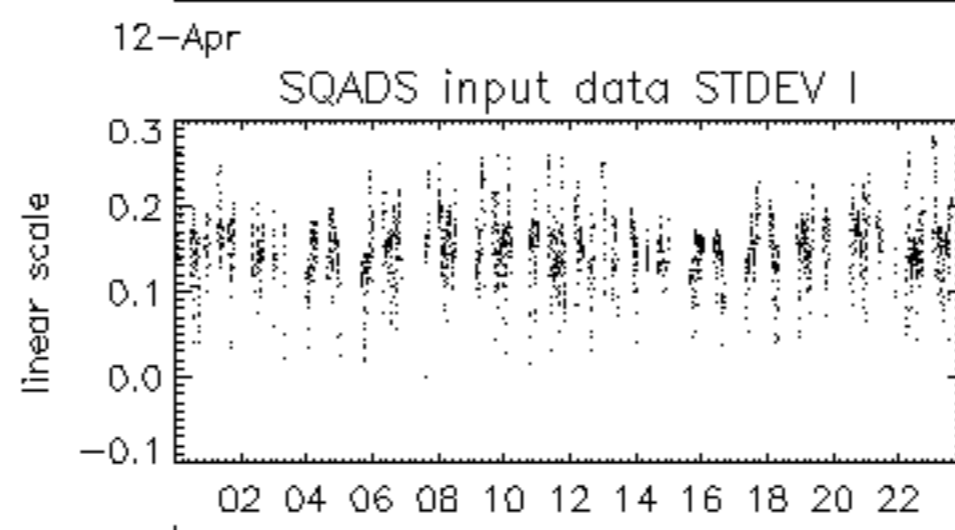
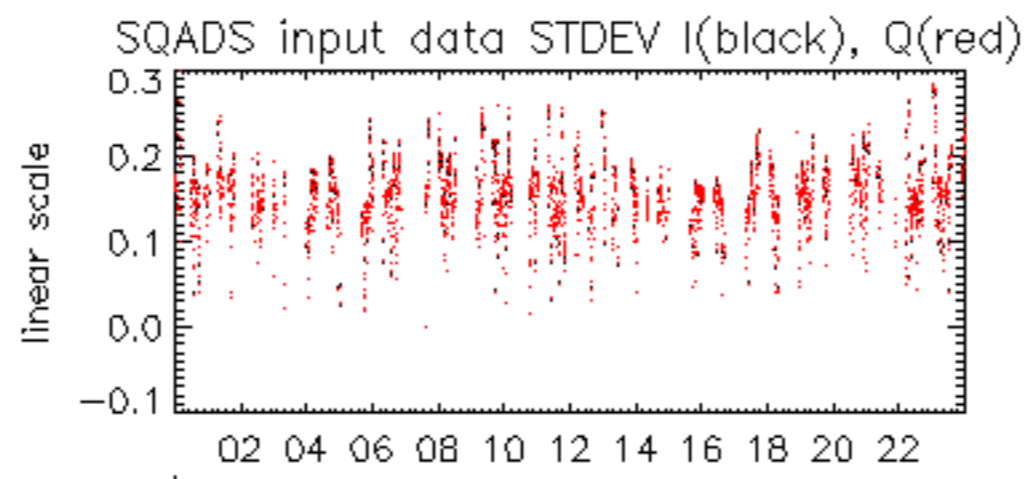
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