



ASAR Daily Report



Analysis from 11-OCT-2007 00:00:00 to 11-OCT-2007 23:59:59. Page generated on 12-OCT-2007 07:41:52.
View log file: ASAR_Daily_Report_20071012_0730.log. For any anomalies please contact msantuari@serco.it, mtranfaglia@serco.it, gscarpino@serco.it.

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	5	PDE	WS	H/H	48	PDE	IS2	V/H	1	PDE	IS1	V/V	2	PDE	WS	H/H	44	PDE	2007-10-11 04:05:53	H	320
PDE	IS2	V/V	27	PDK	WS	H/H	43	PDK	IS1	H/V	1	PDE	IS2	H/H	2	PDE	WS	V/V	6				
PDK	IS2	V/V	22									PDE	IS2	V/V	15	PDK	WS	H/H	11				
												PDE	IS3	V/V	2	PDK	WS	V/V	6				
												PDE	IS4	H/H	4								
												PDE	IS4	V/V	1								
												PDE	IS6	H/H	1								
												PDE	IS6	V/V	3								
												PDK	IS2	H/H	2								
												PDK	IS2	V/V	10								

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

[BACK TO MENU]

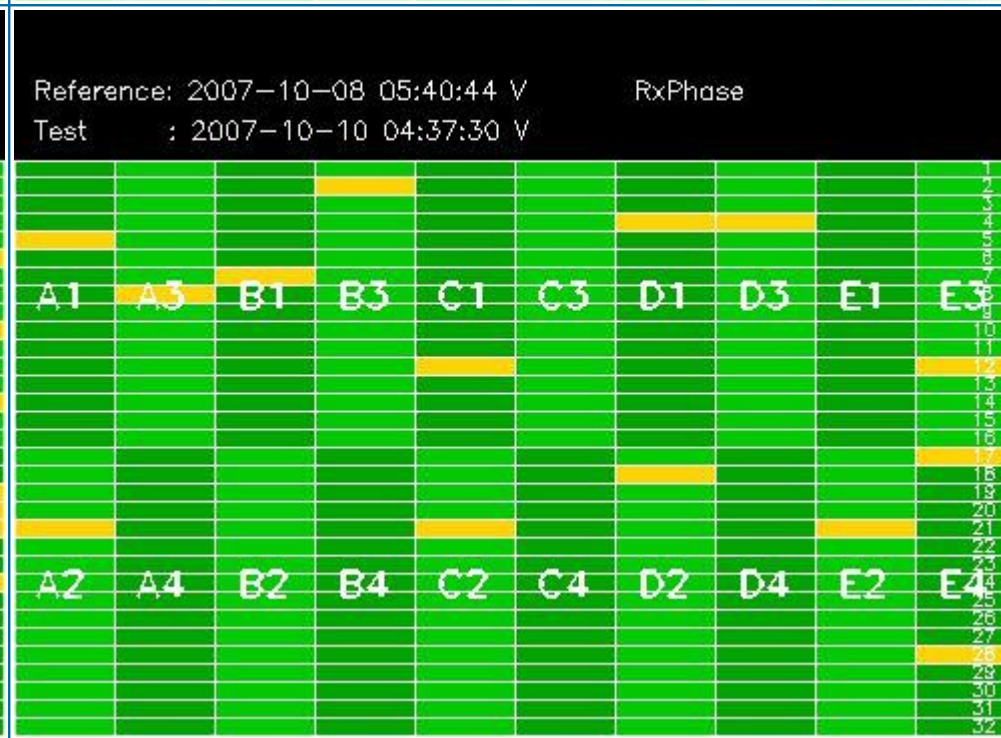
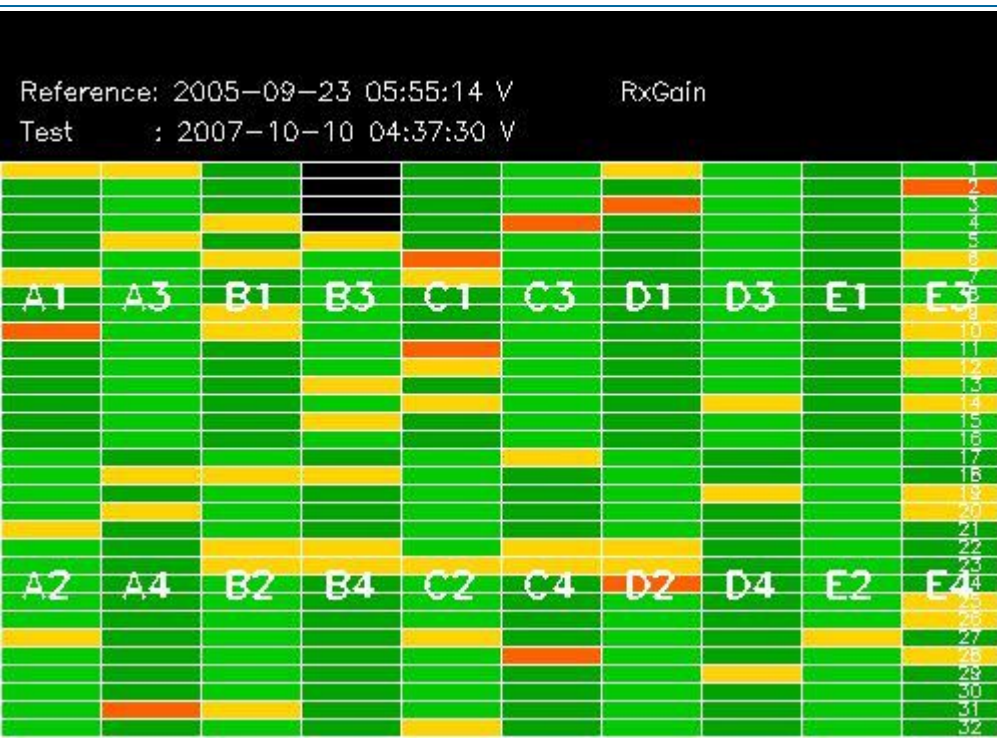
No IECF ADFs list available

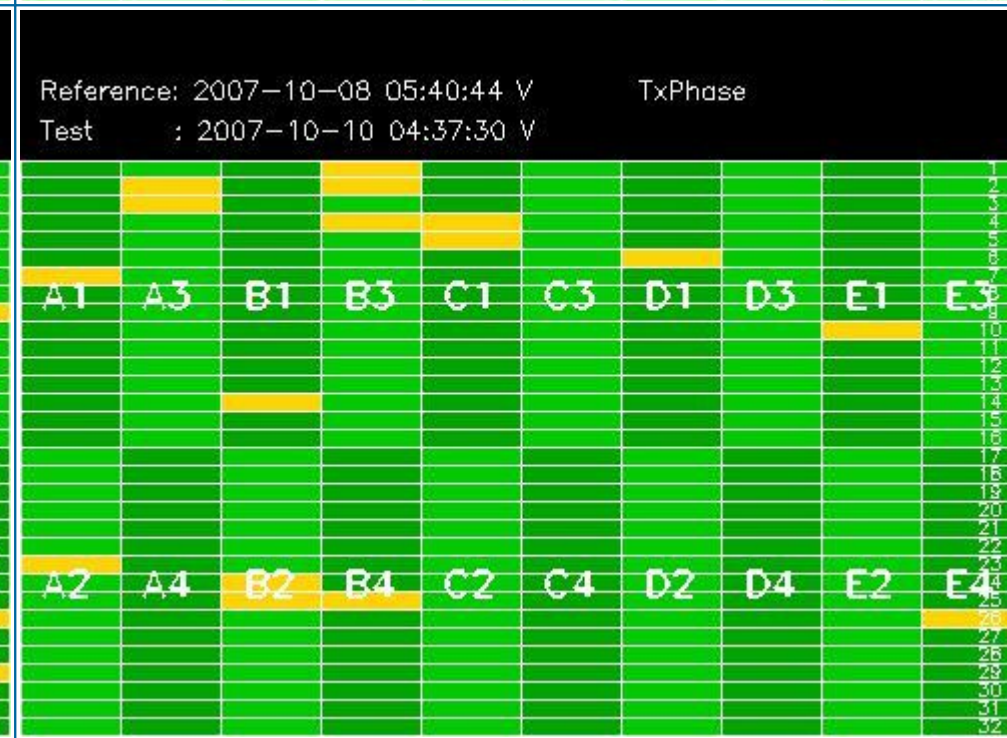
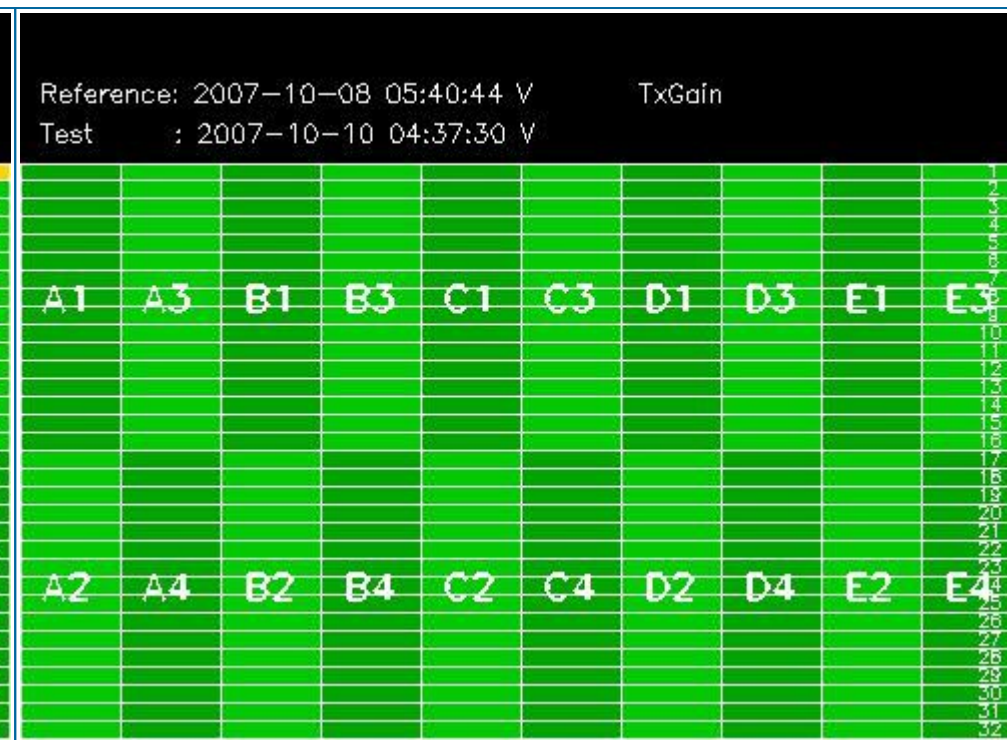
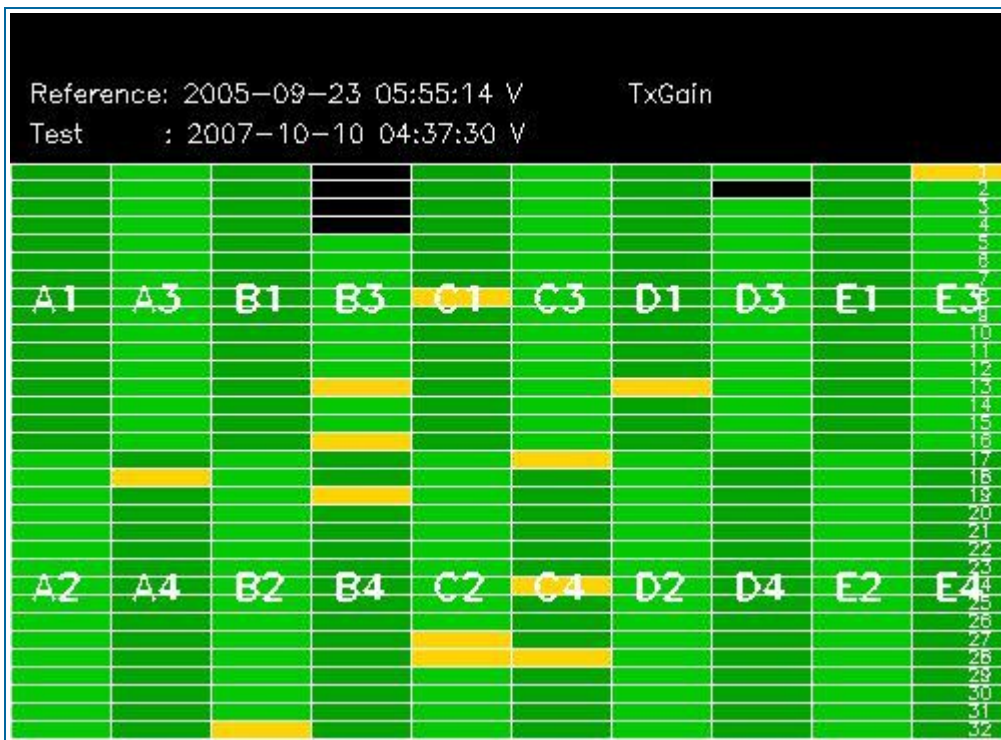
2.2 - Products with wrong ADFs

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3 - MODULE STEPPING PRODUCTS ANALYSIS

SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
After antenna maintenance (2005-09-22/23)	Previous product in the same polarisation

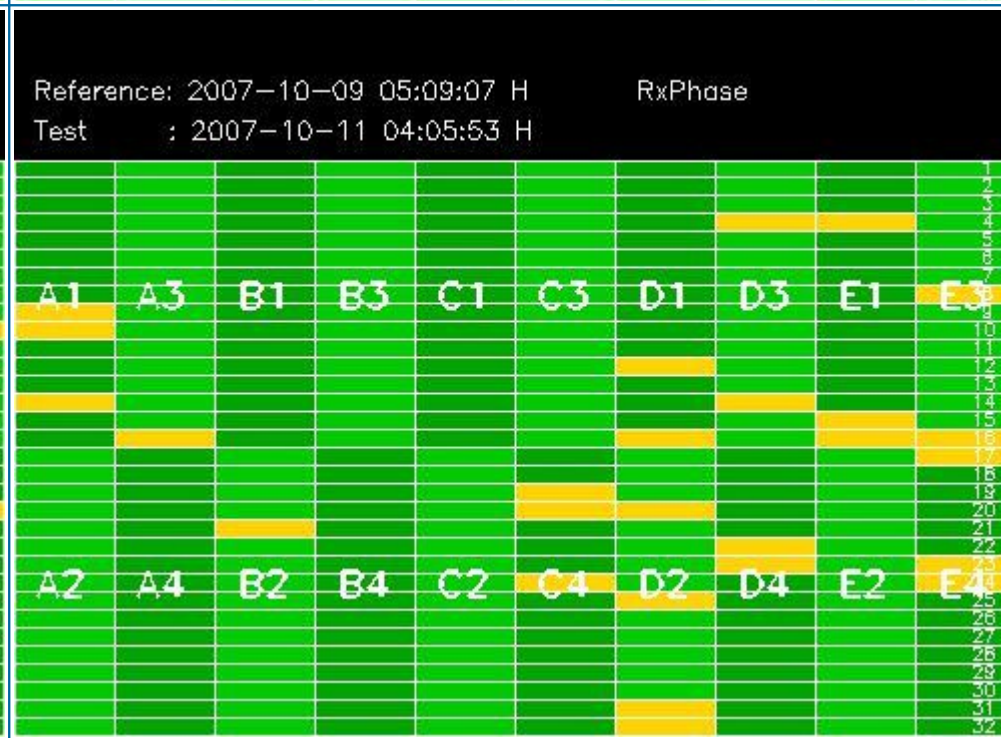
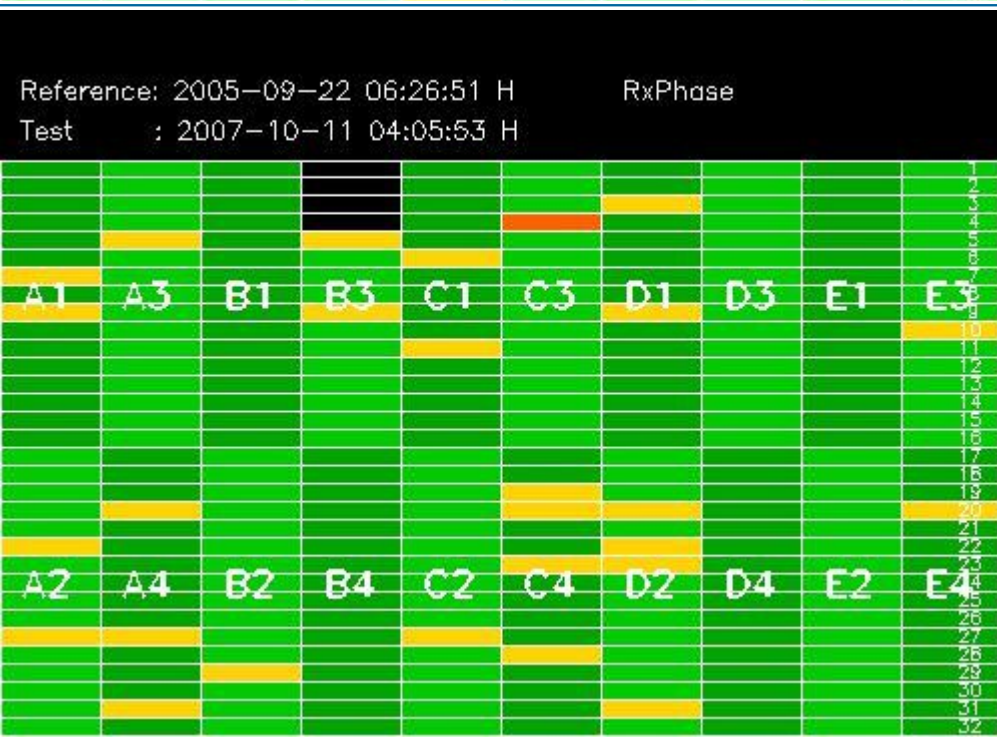
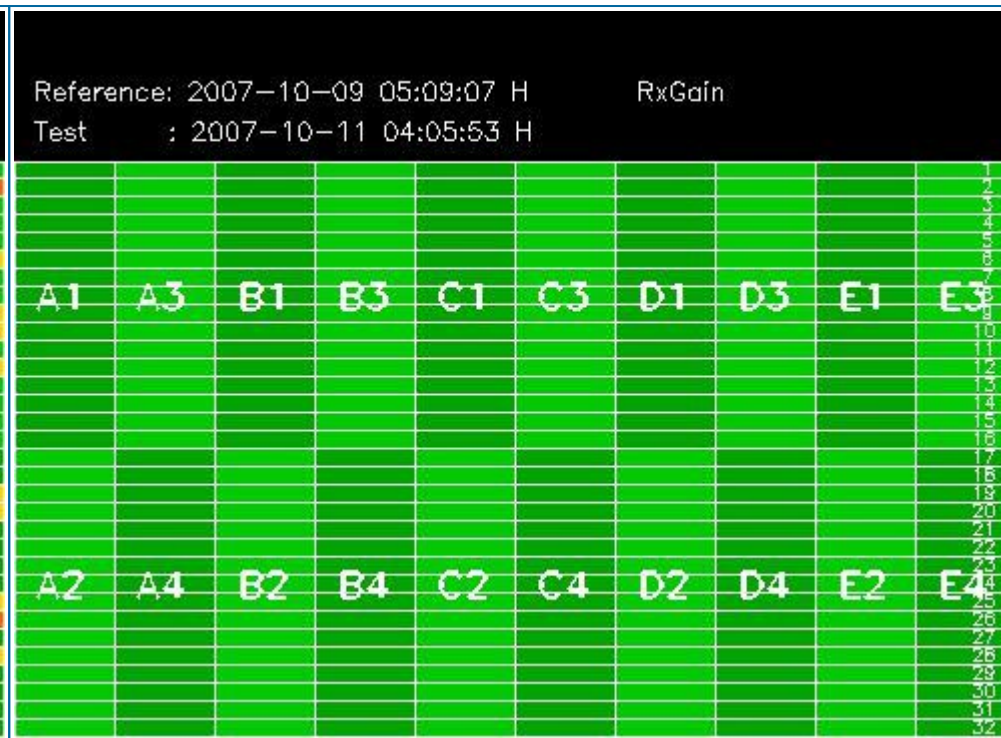
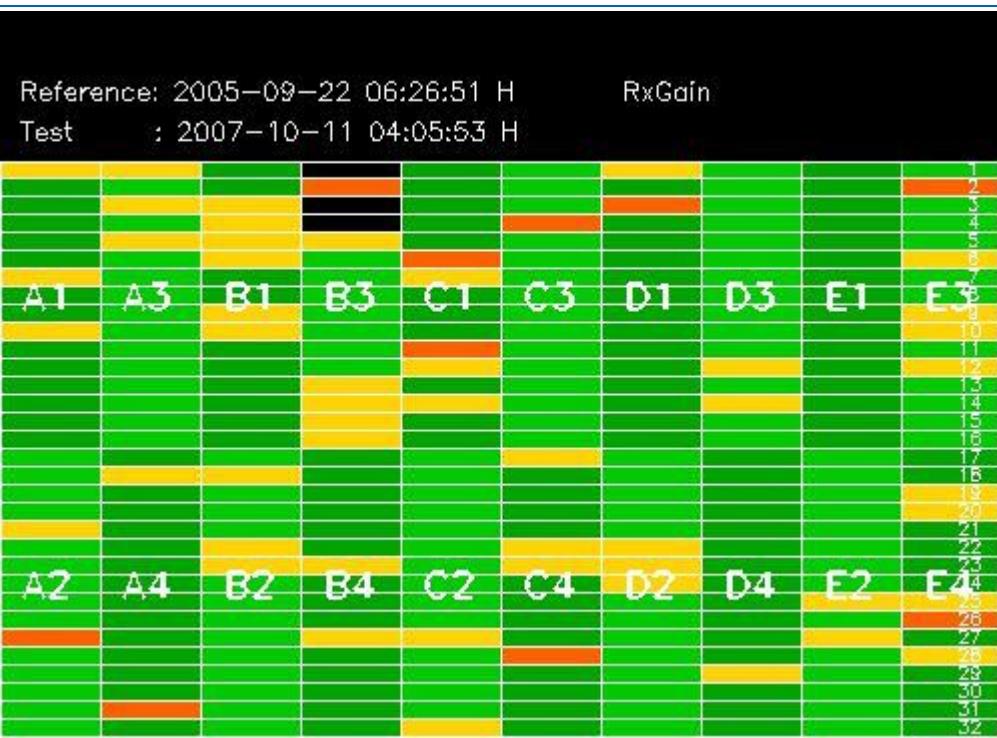


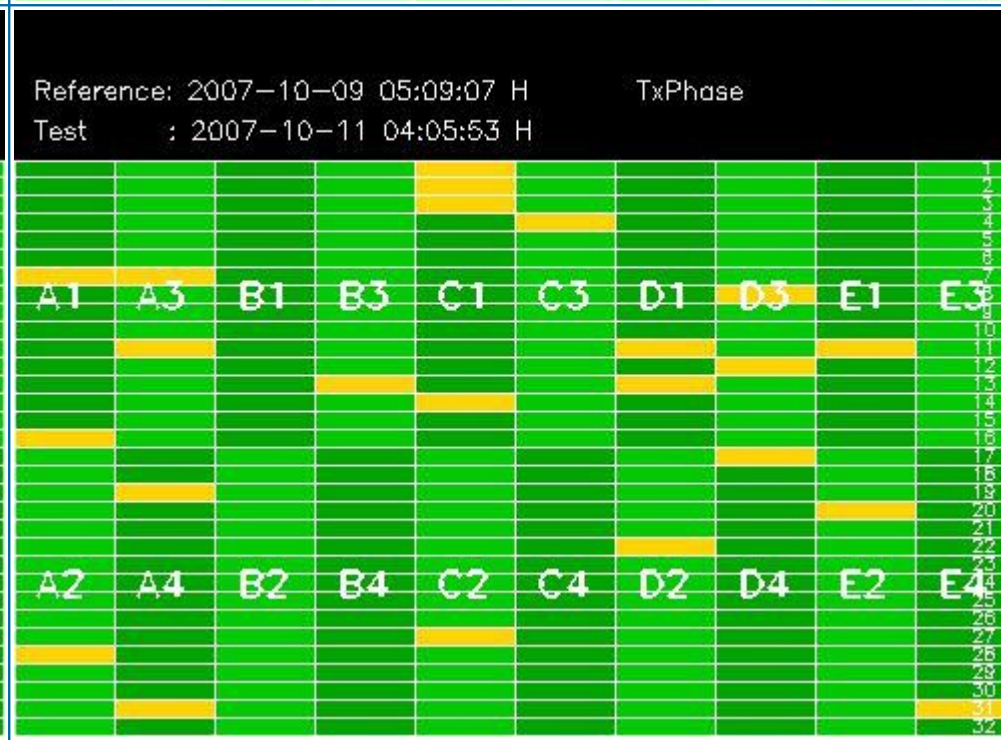
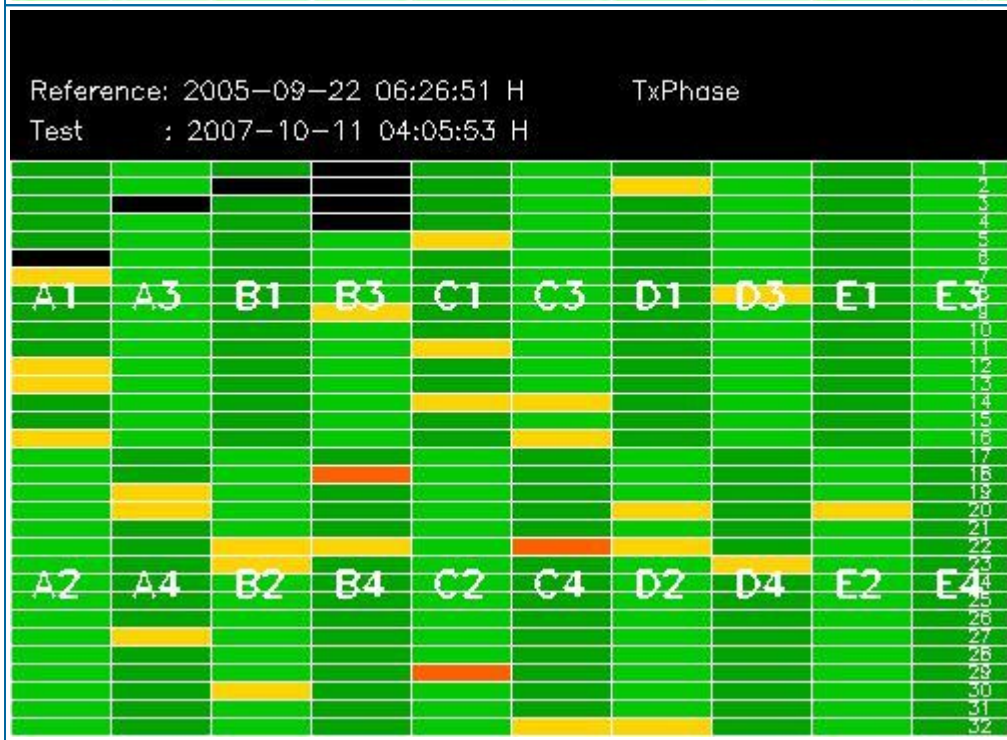
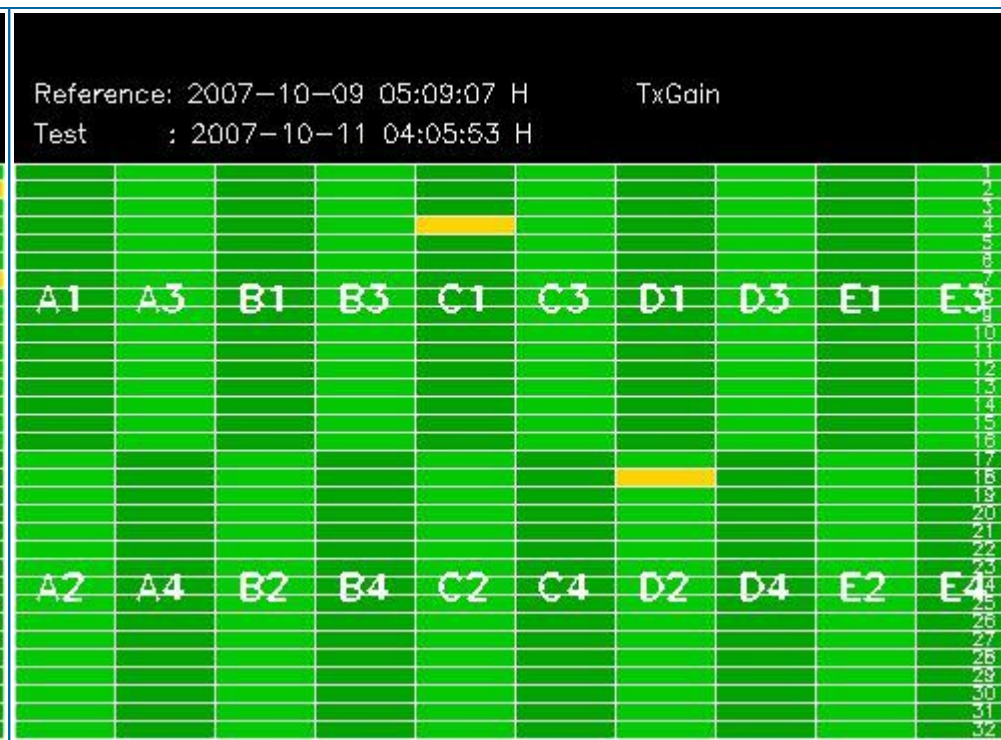
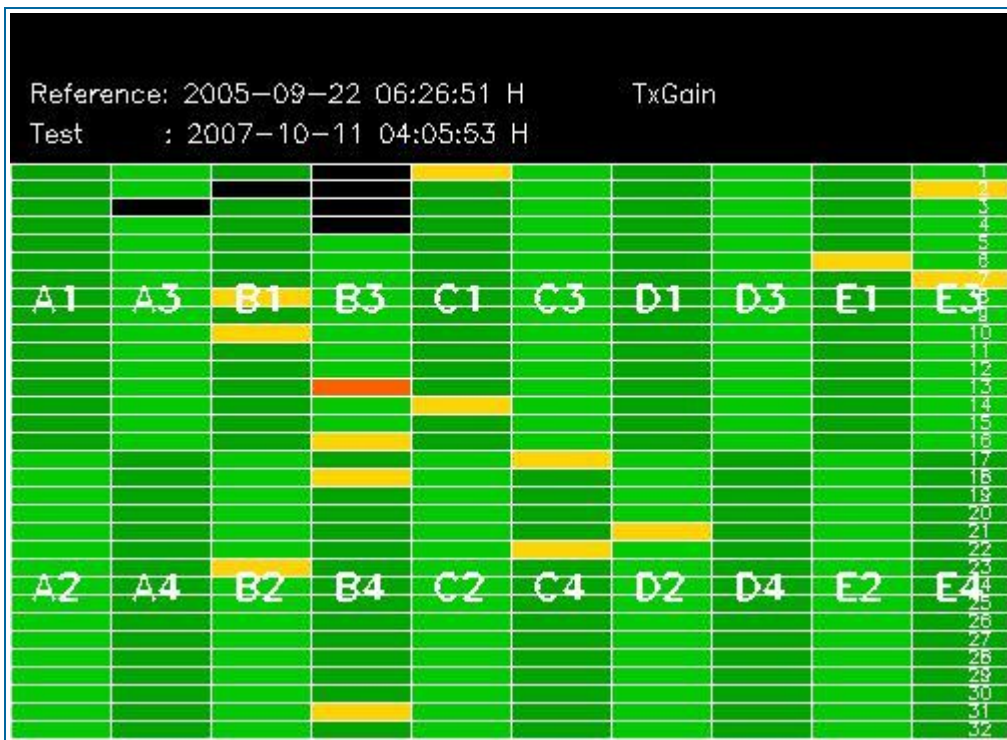


3.2 - H/H polarisation

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SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
After antenna maintenance (2005-09-22/23)	Previous product in the same polarisation





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

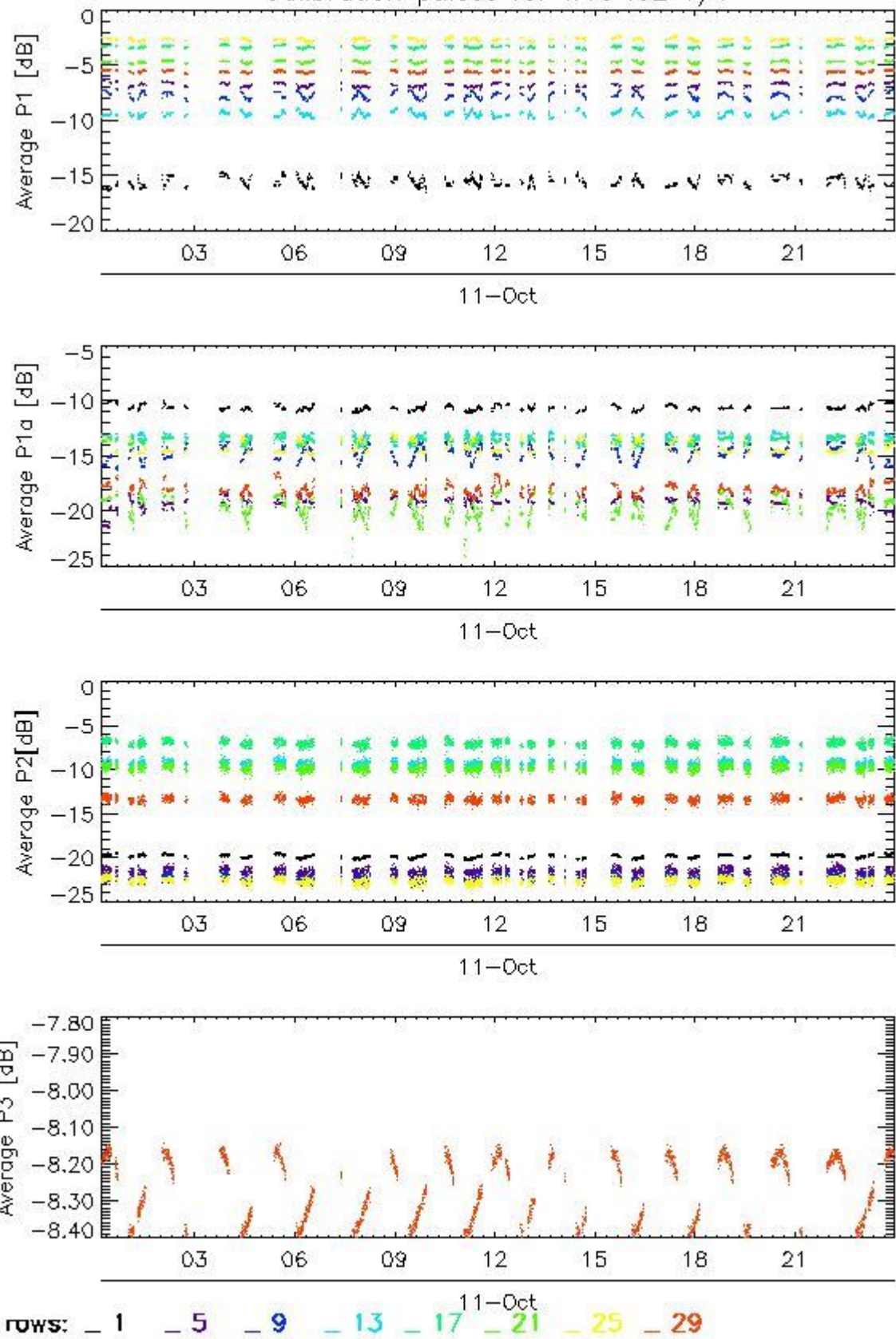
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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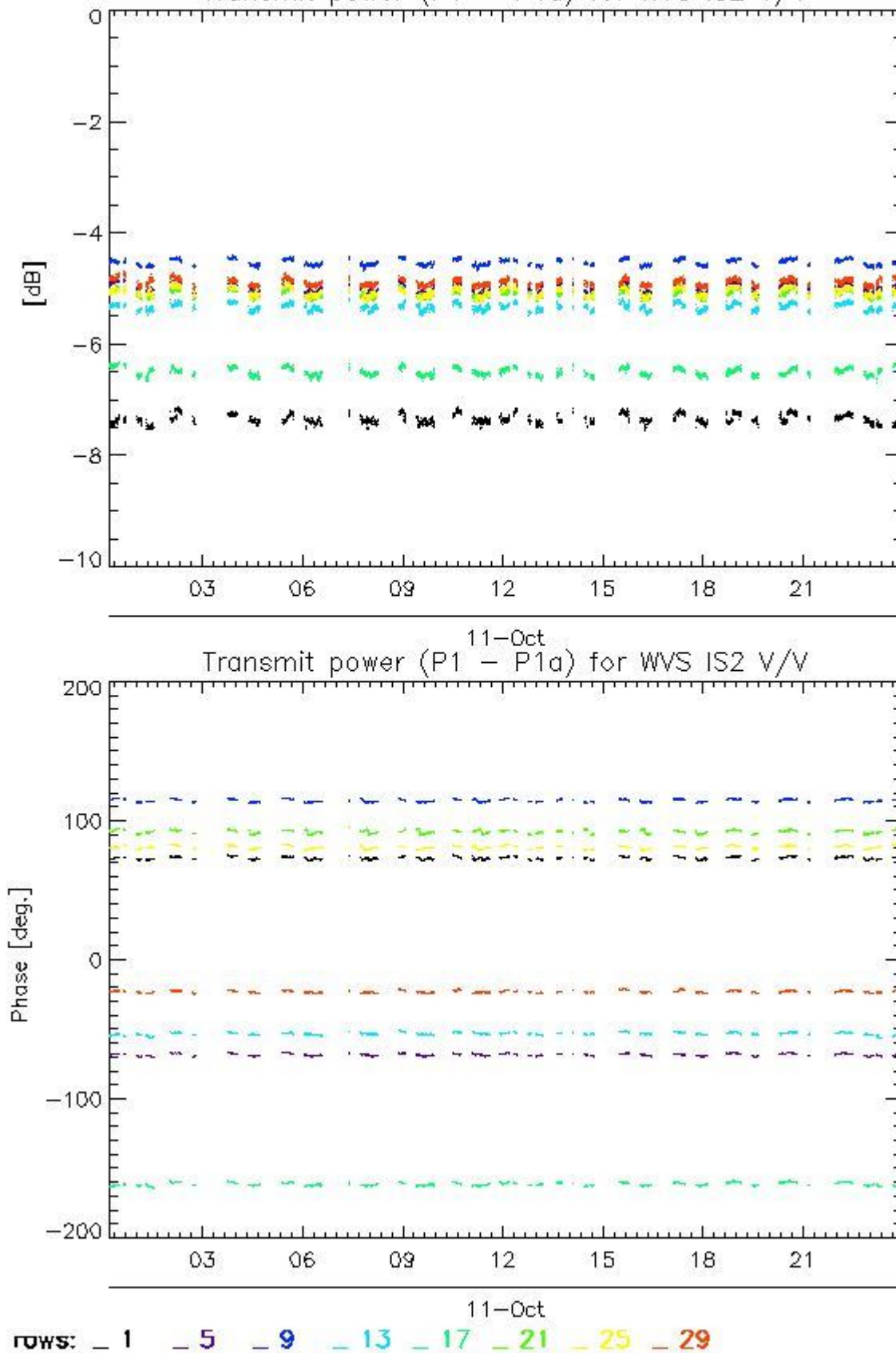
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



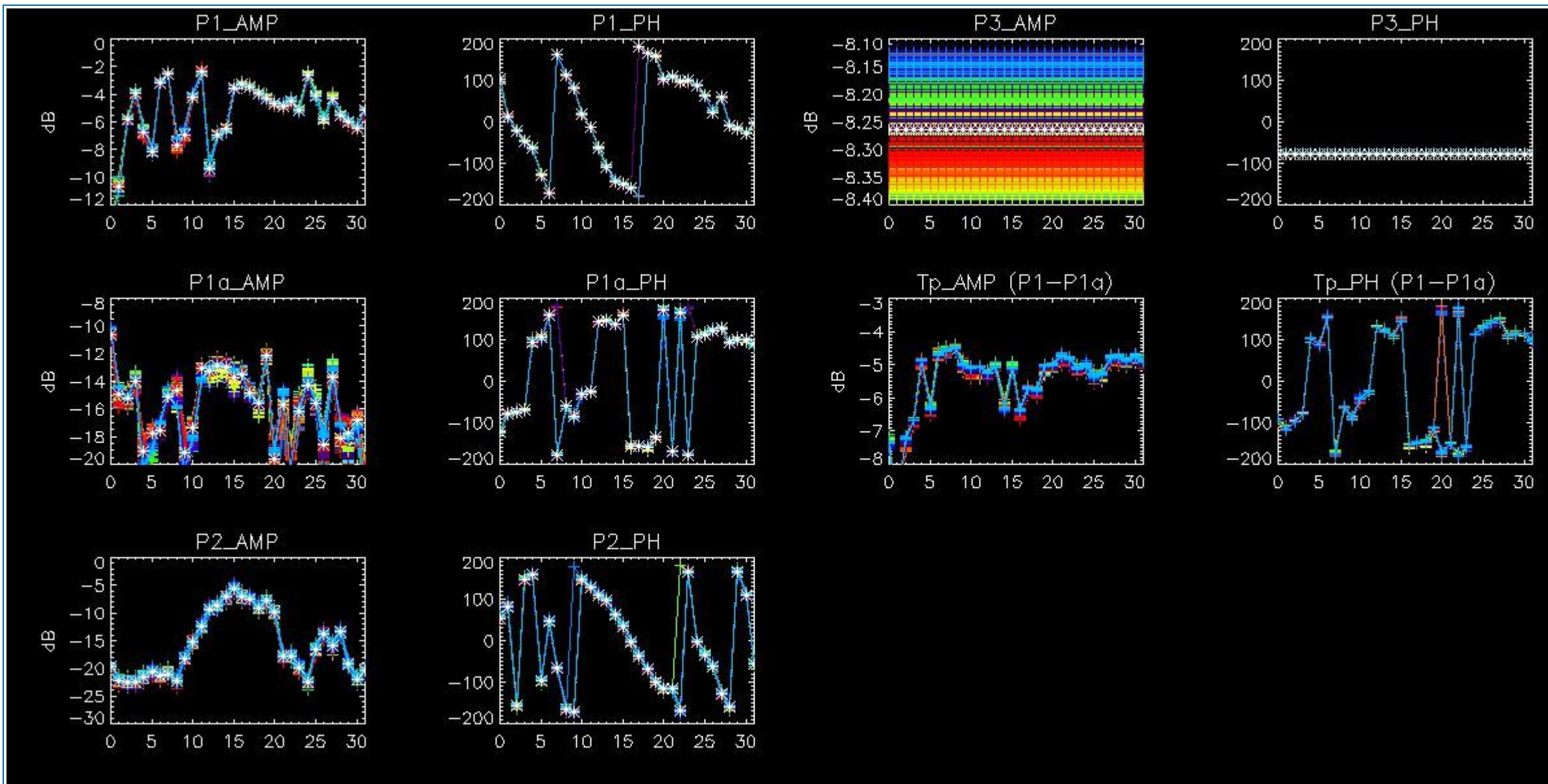
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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4.2 - Analysis for GM1 SS3 H/H

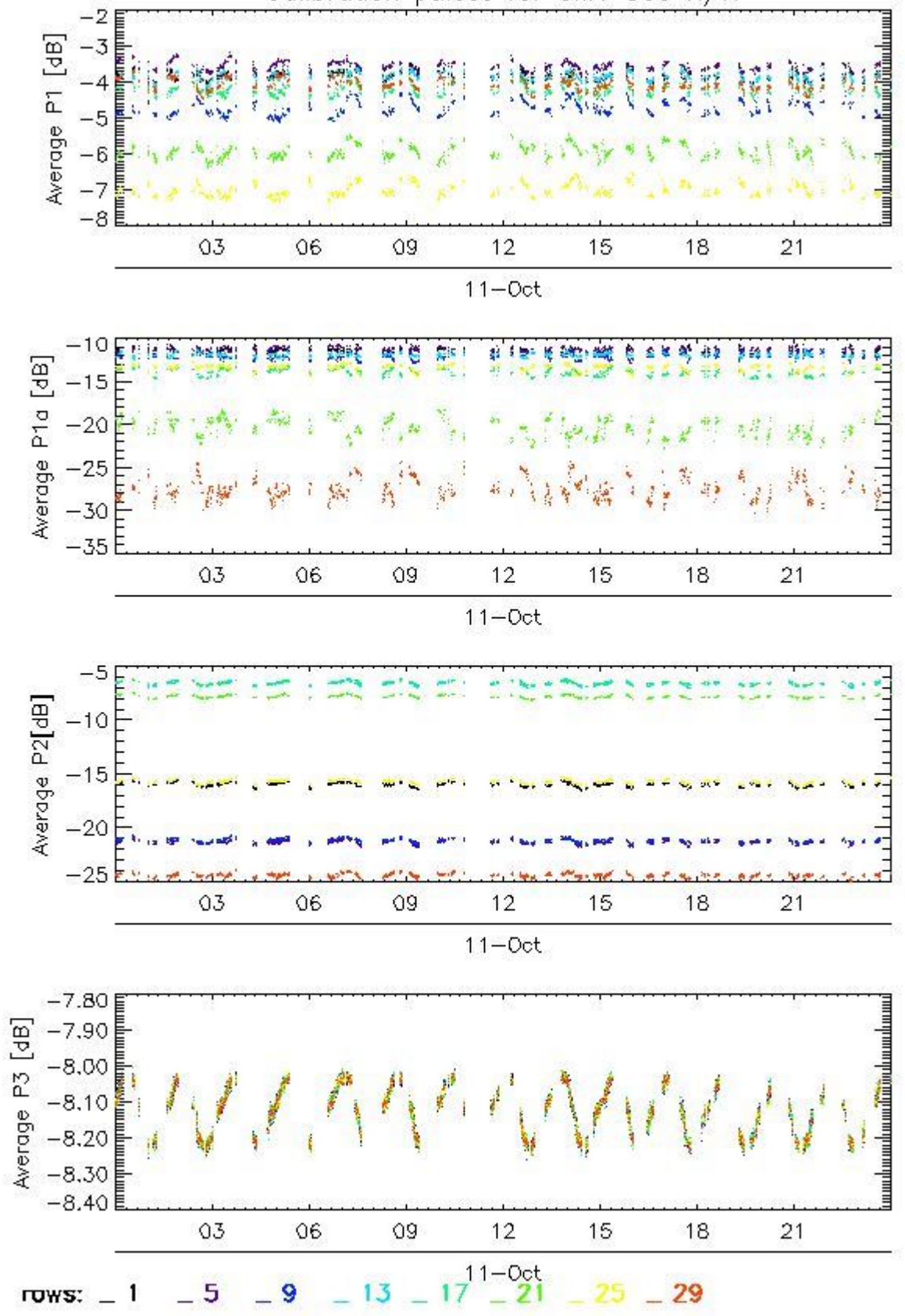
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

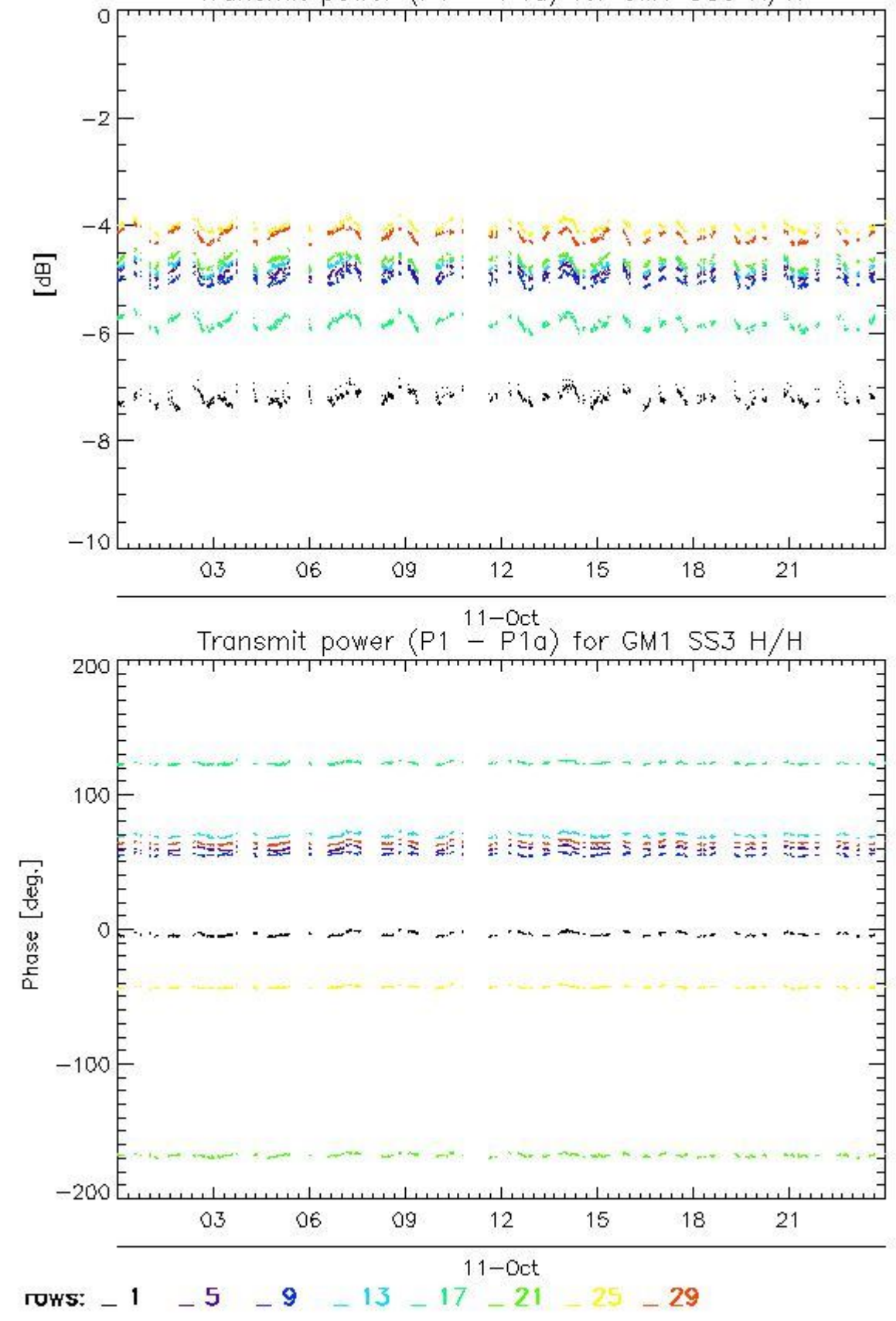
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



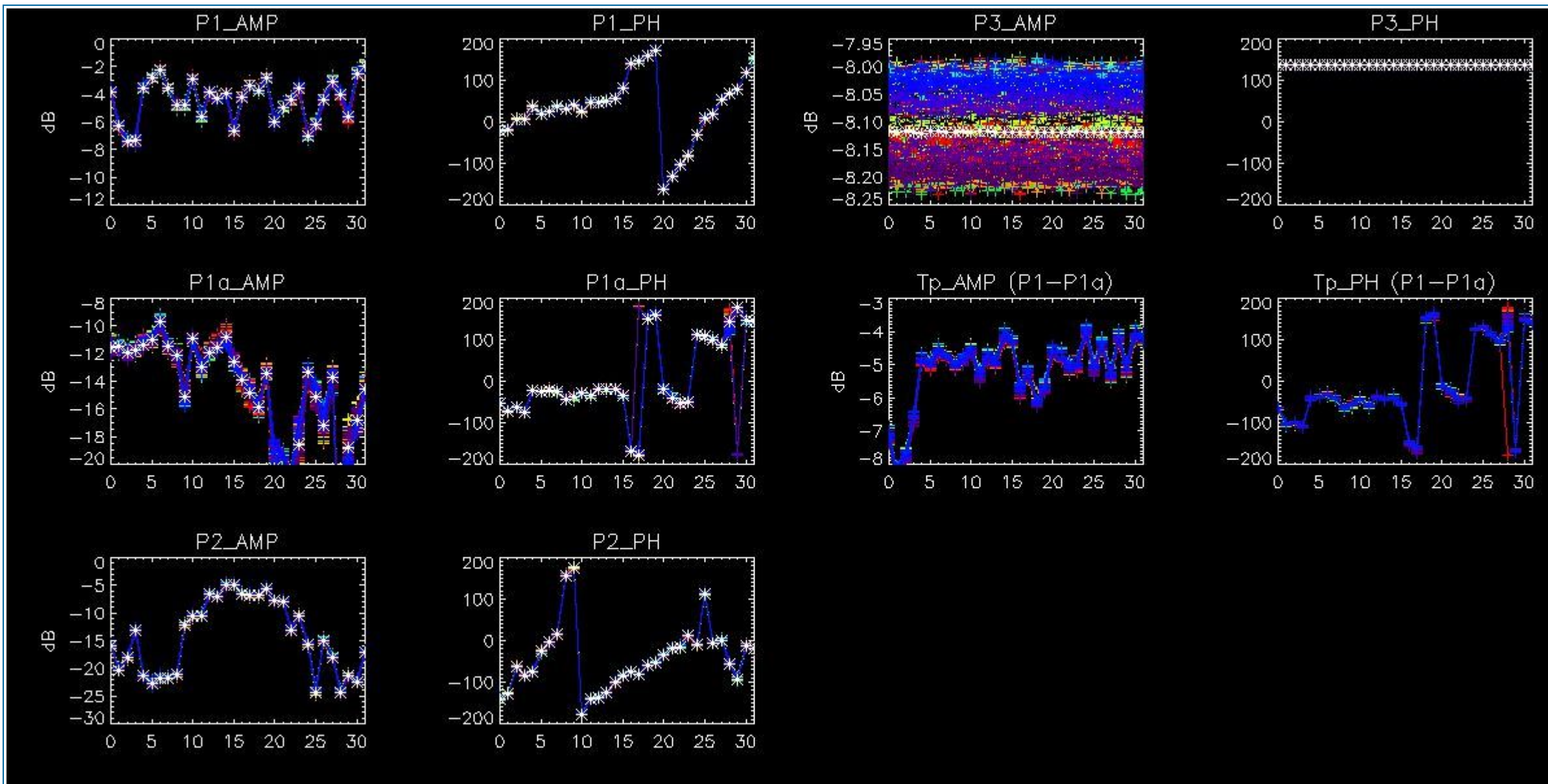
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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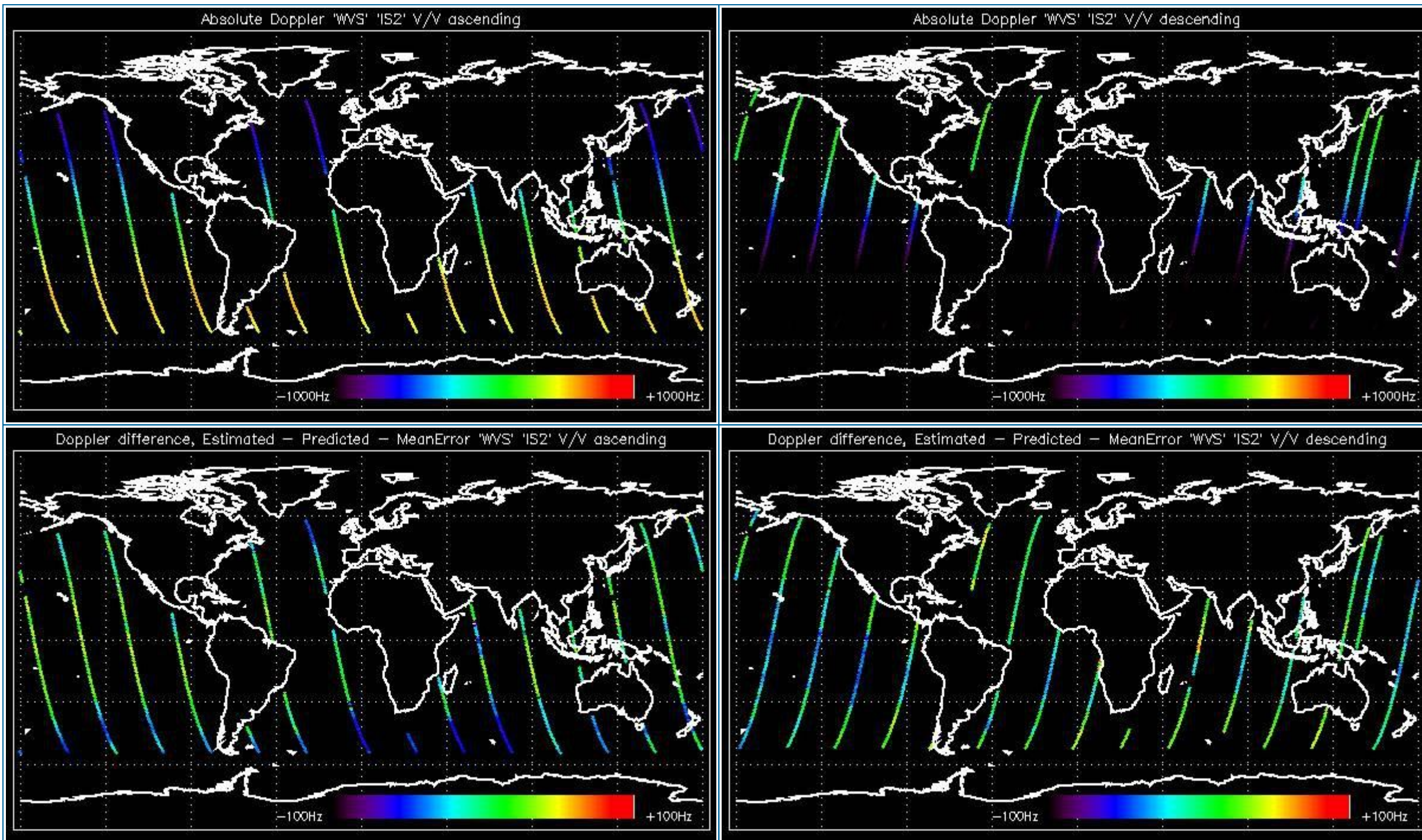
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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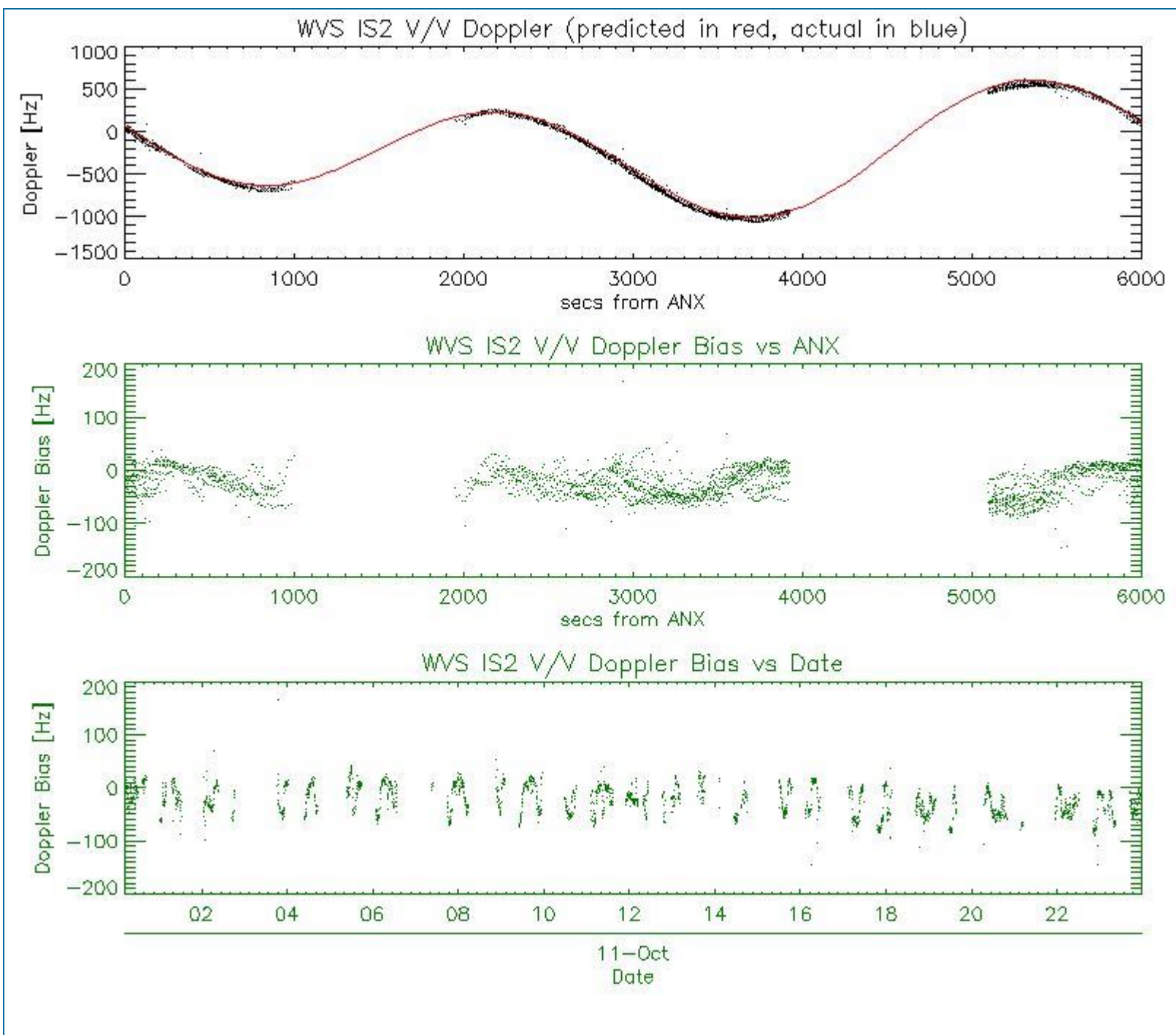




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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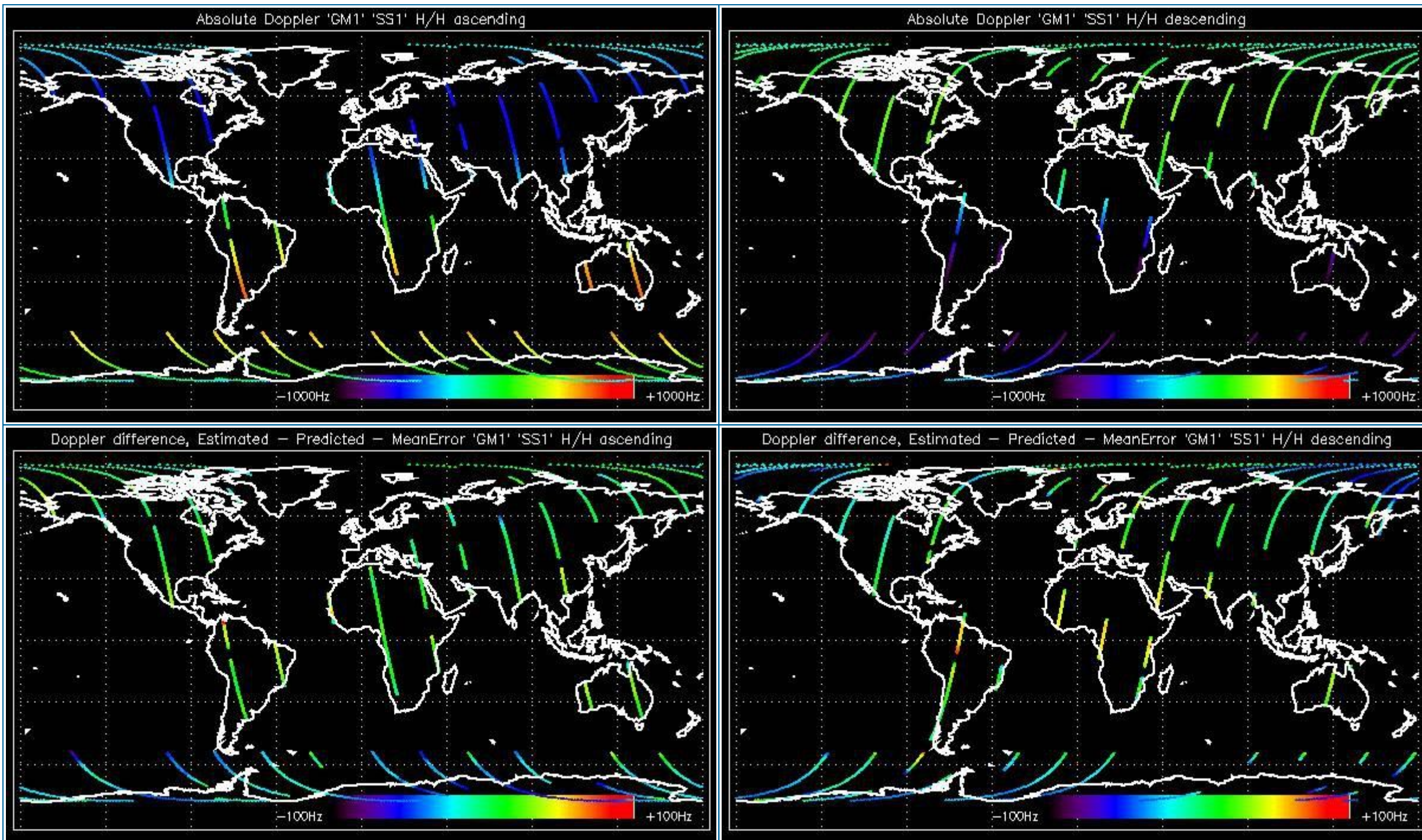


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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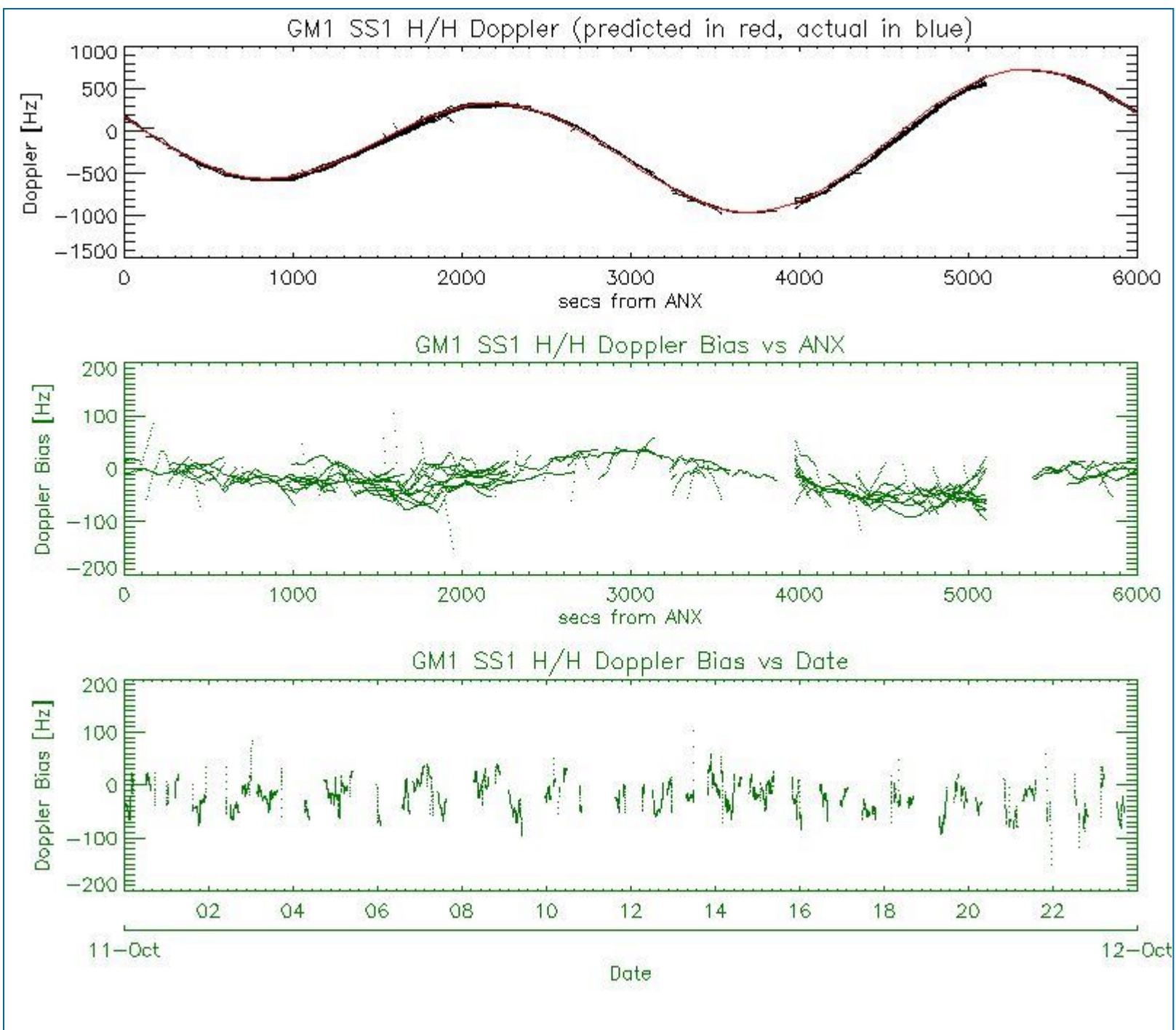




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

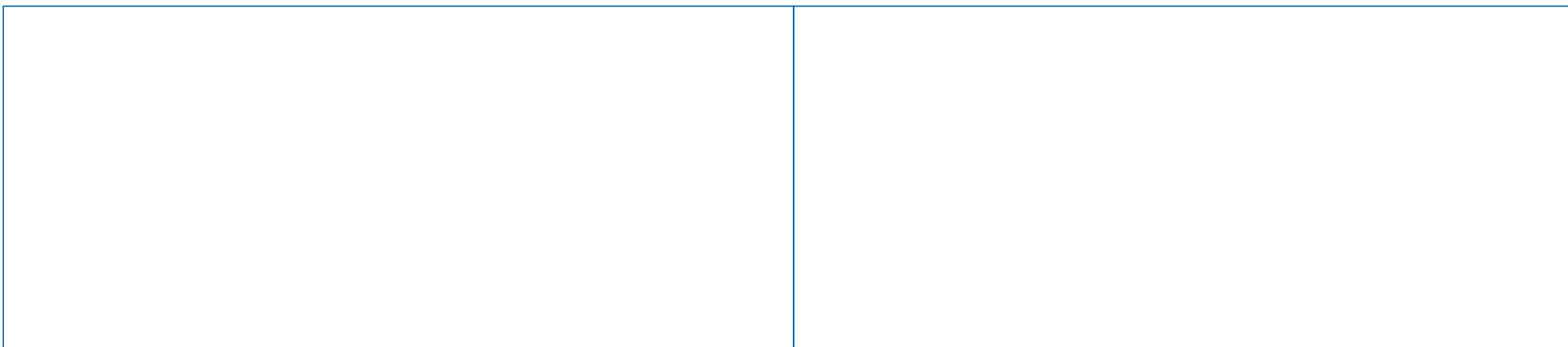
[[BACK TO MENU](#)]

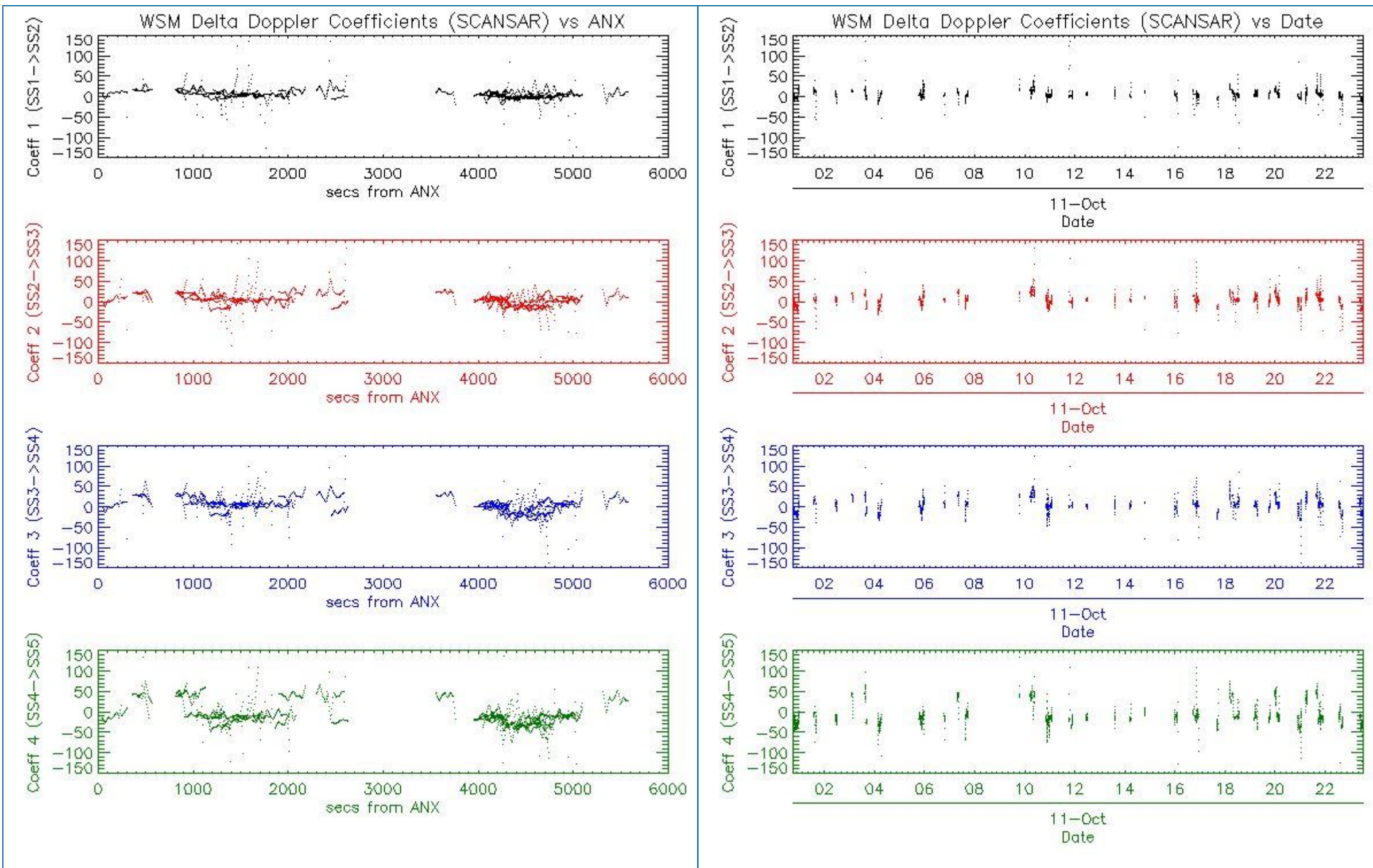




5.3 - Doppler JUMPS Analysis for WSM

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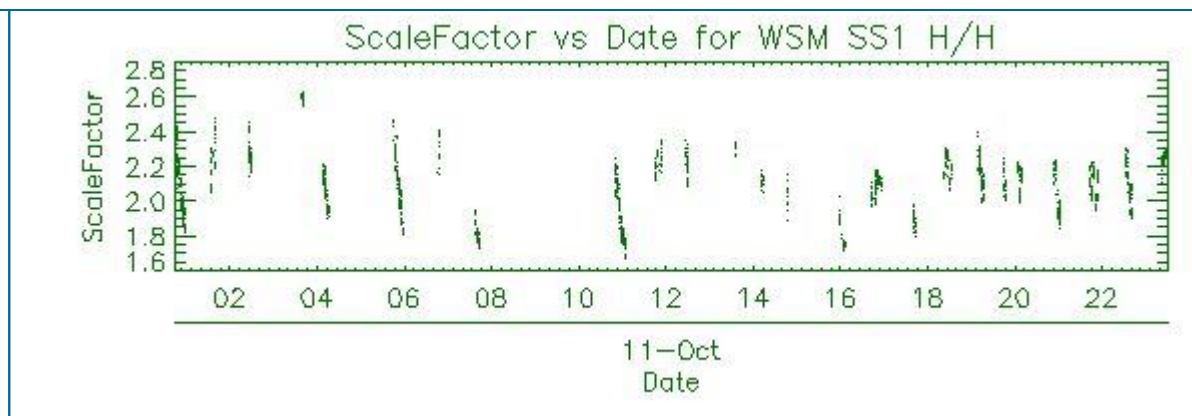
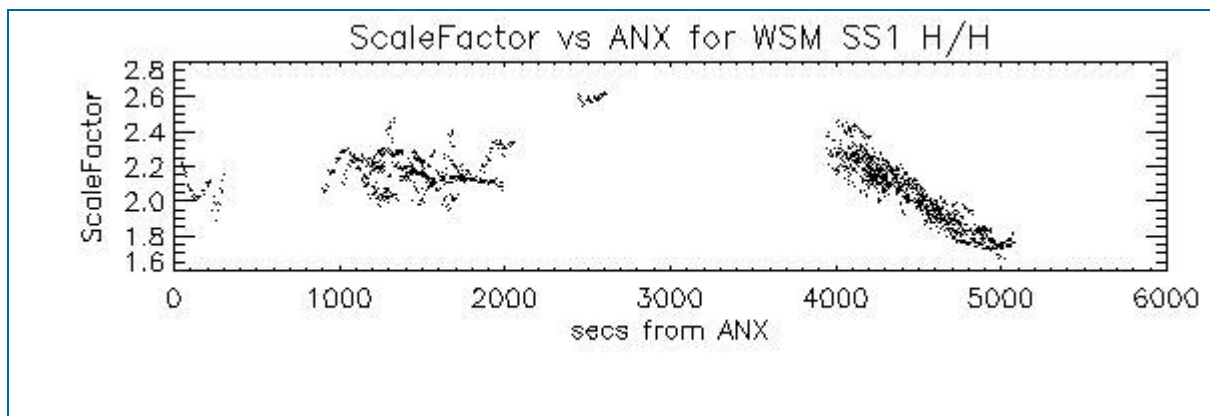
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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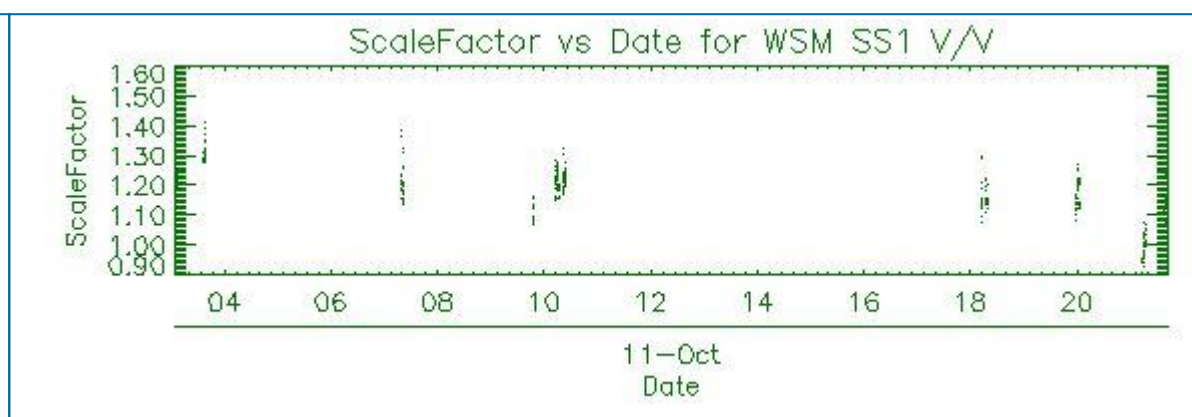
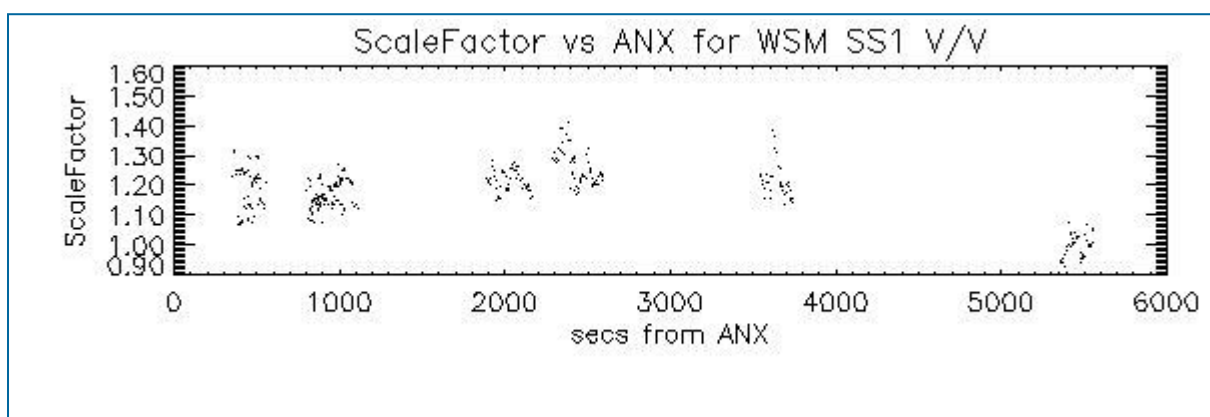




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

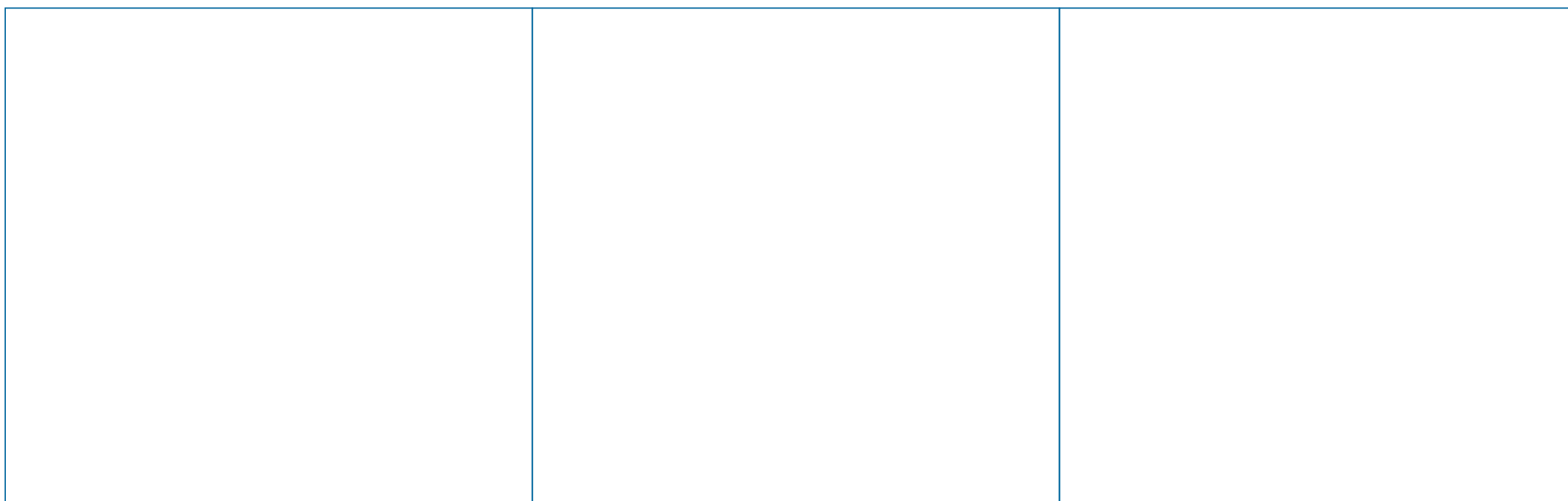
[[BACK TO MENU](#)]

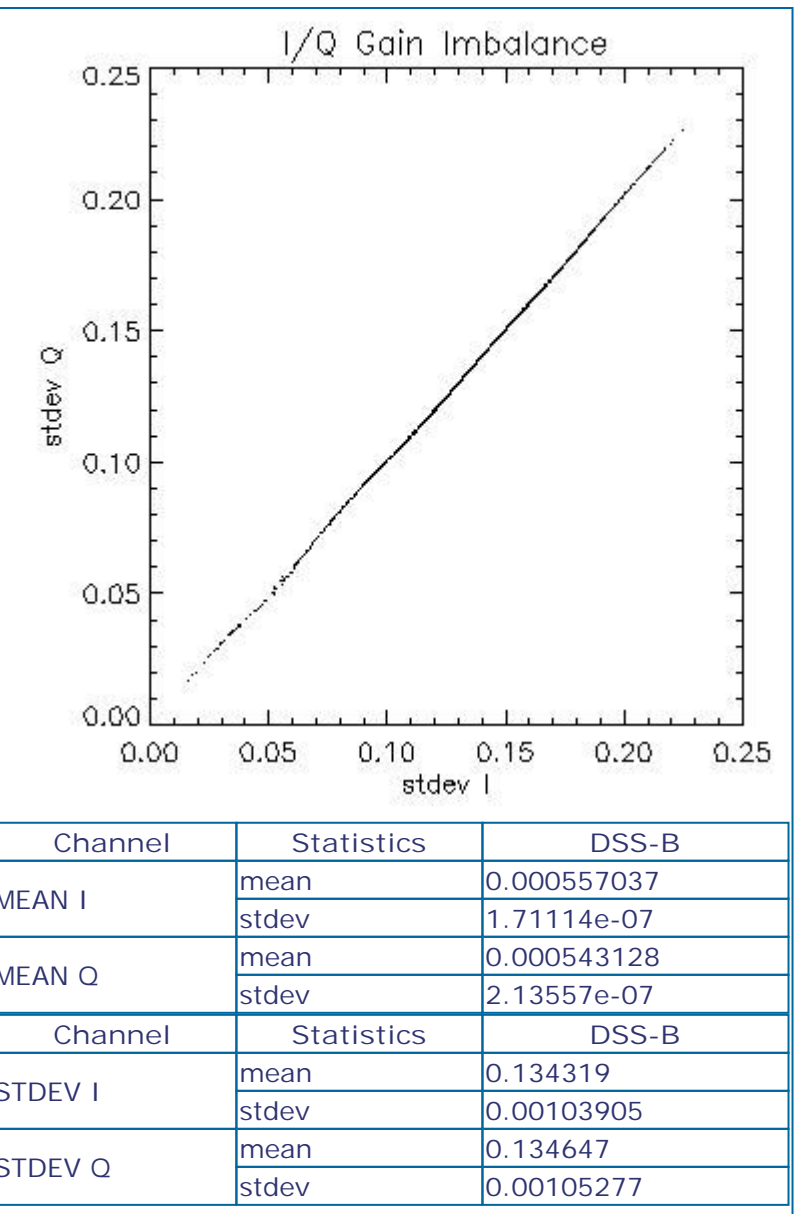
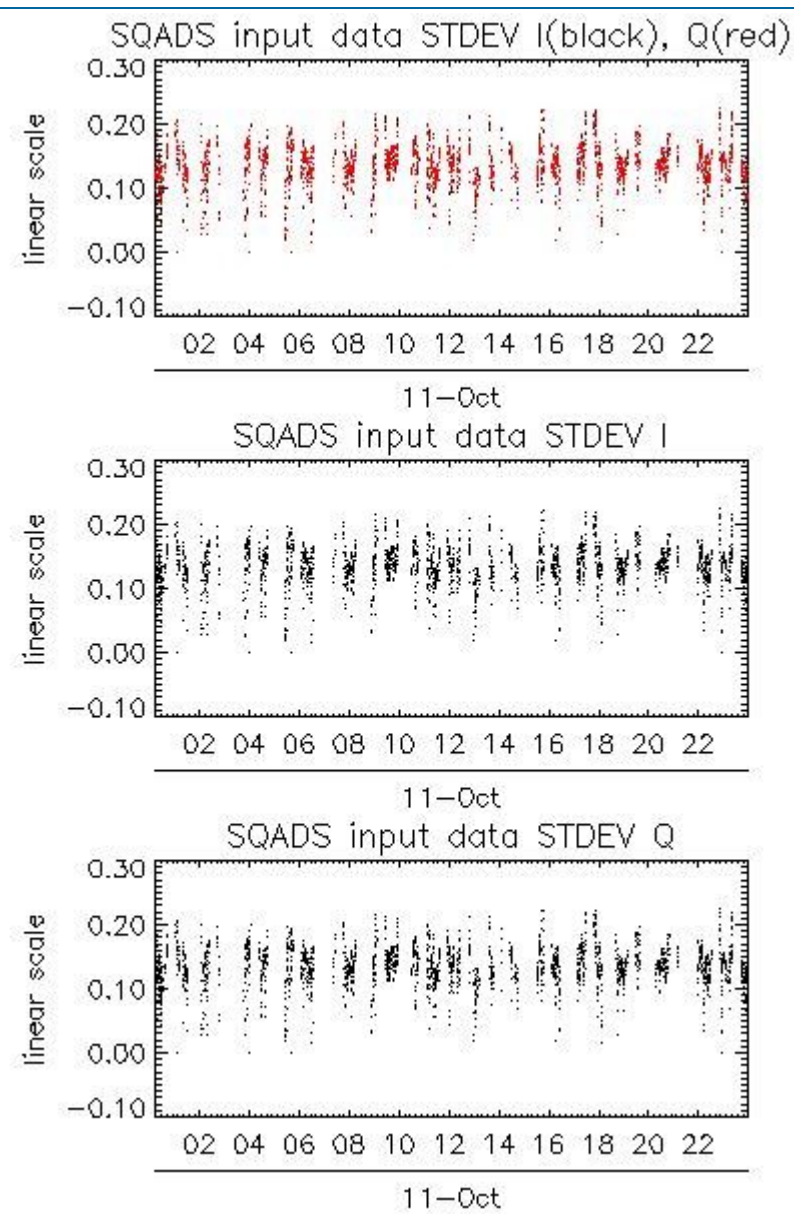
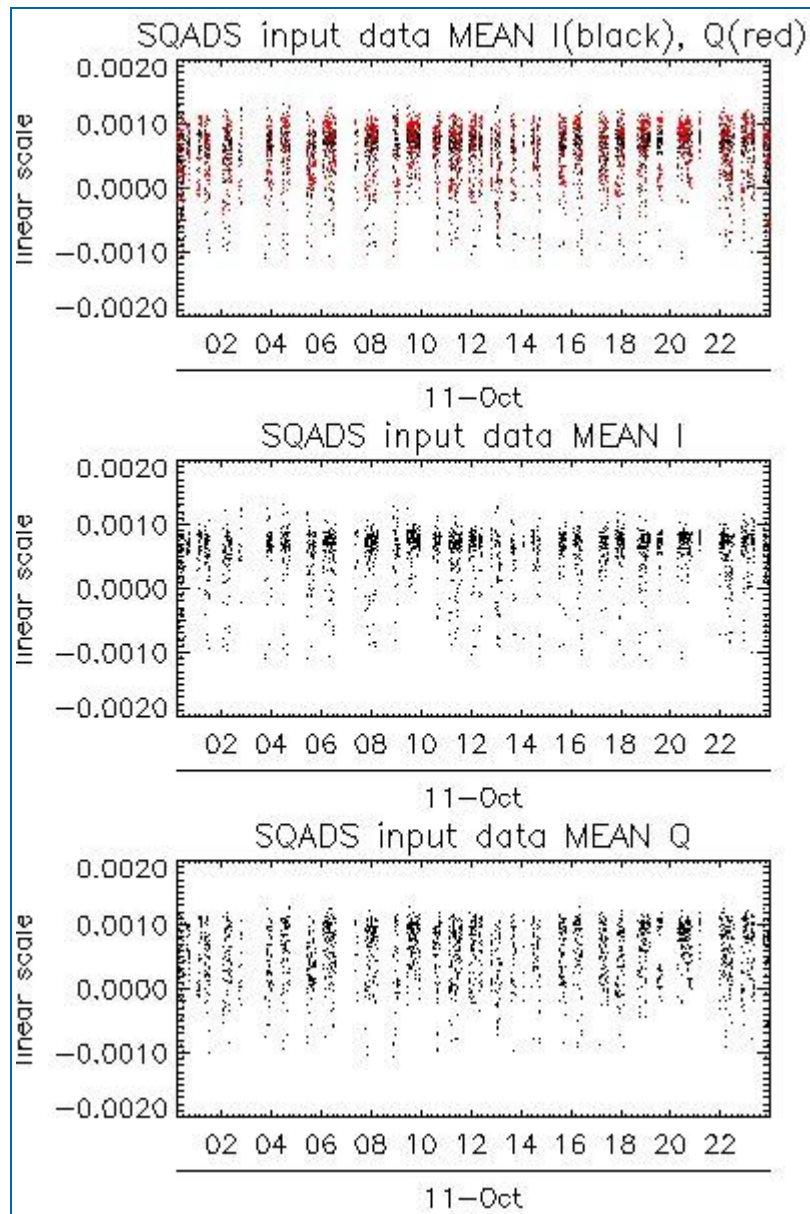


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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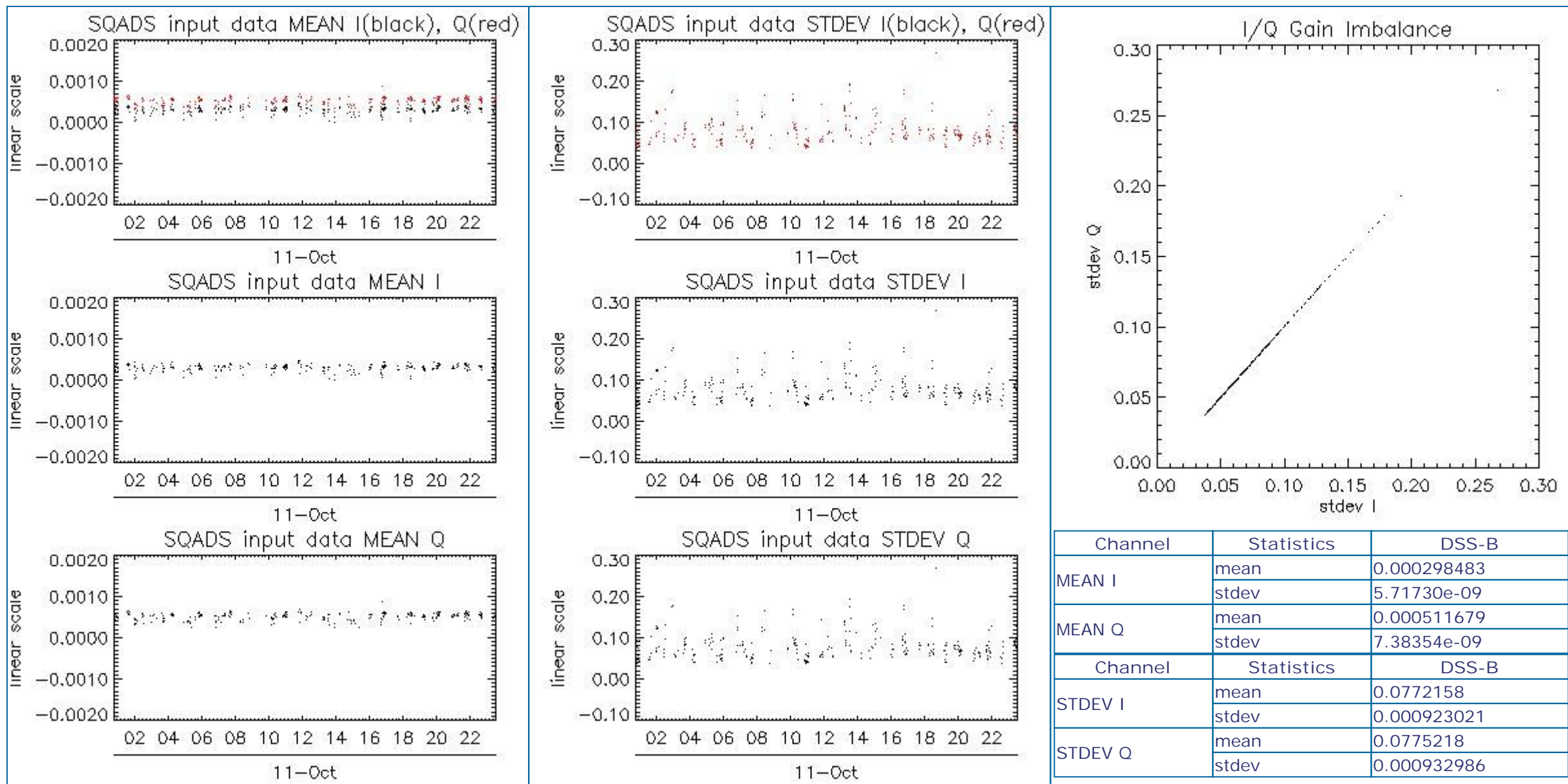




7.2 - Analysis for IMM

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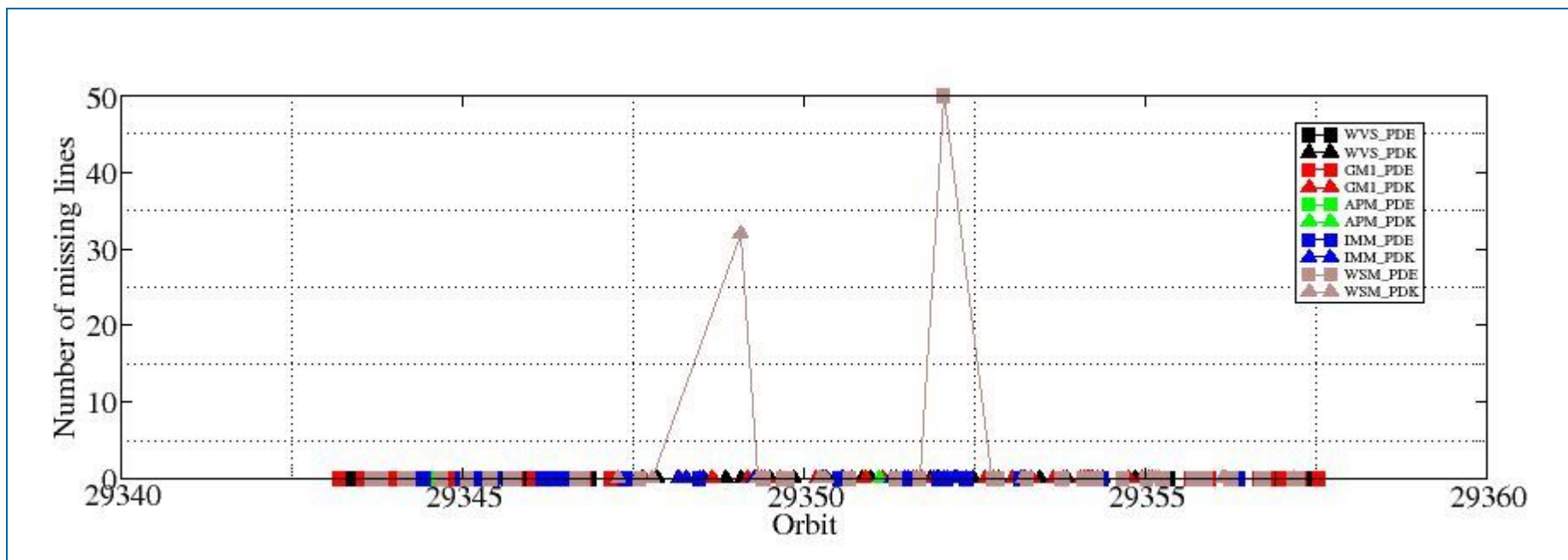
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WSM_1PNPDE20071011_144631_00000852062_00240_29352_0817.N1	0	50
PDK	ASA_WSM_1PNPDK20071011_094717_00000852062_00237_29349_0671.N1	0	32

8.1 - Number of Missing lines

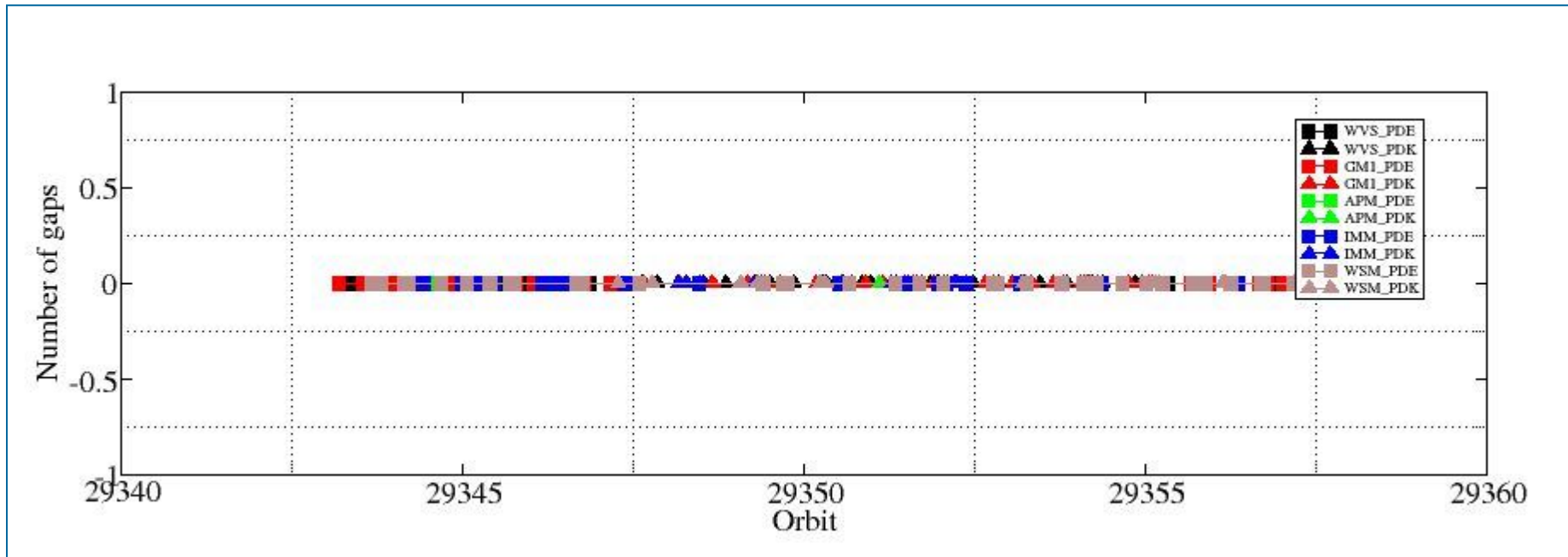
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8.2 - Number of Gaps

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ASAR DAILY REPORT for 071011
#####

MODE: DAILY
ANALYSIS: ALL
DATE: YESTERDAY

Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/071011/

DATA SUMMARY

Summary will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/071011/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/071011/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/071011/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/071011/AUXILIARY

Creating directory ./RESULTS/DAILY/071011/AUXILIARY...

Looking for the IECF operational ADFs list...



No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/071011/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/071011/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/071011/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/071011/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPK20050922_062651_000000152041_00034_18625_0041.N1
Test product: ASA_MS__0PNPDE20071011_040553_000000162062_00233_29345_0222.N1

H
H
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/TGH_20071011_040553-20050922_062651.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/TPH_20071011_040553-20050922_062651.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/RGH_20071011_040553-20050922_062651.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/RPH_20071011_040553-20050922_062651.png

Polarization: V
Reference product: ASA_MS__0PNPK20050923_055514_000000152041_00048_18639_0042.N1
Test product: ASA_MS__0PNPDE20071010_043730_000000162062_00219_29331_0221.N1

V
V
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/TGV_20071010_043730-20050923_055514.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/TPV_20071010_043730-20050923_055514.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/RGV_20071010_043730-20050923_055514.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/SECOND_REFERENCE/RPV_20071010_043730-20050923_055514.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDE20071009_050907_000000162062_00205_29317_0220.N1
Test product: ASA_MS__0PNPDE20071011_040553_000000162062_00233_29345_0222.N1

H
H
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20071011_040553-20071009_050907.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20071011_040553-20071009_050907.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20071011_040553-20071009_050907.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20071011_040553-20071009_050907.png

Polarization: V
Reference product: ASA_MS__0PNPDE20071008_054044_000000162062_00191_29303_0219.N1
Test product: ASA_MS__0PNPDE20071010_043730_000000162062_00219_29331_0221.N1

V

V

../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20071010_043730-20071008_054044.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20071010_043730-20071008_054044.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20071010_043730-20071008_054044.png
../../RESULTS/DAILY/071011/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20071010_043730-20071008_054044.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/071011/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-10-11_1.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-10-11_2.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-10-11_3.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-10-11_4.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/071011//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 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-10-11_1.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-10-11_2.dat...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-10-11_3.dat...
Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-10-11 00:00:00 to 2007-10-11 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/071011/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-10-11_4.dat...
Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/071011//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed

#####

DOPPLER ANALYSIS

#####

Creating directory ./RESULTS/DAILY/071011/DOPPLER...

DOPPLER ANX Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...

Writing file ./RESULTS/DAILY/071011/DOPPLER/Doppler_data_WVS_IS2_VV_2007-10-11.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...

Writing file ./RESULTS/DAILY/071011/DOPPLER/Doppler_data_GM1_SS1_HH_2007-10-11.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2007-10-11 00:00:00 to 2007-10-11 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...

Writing file ./RESULTS/DAILY/071011/DOPPLER/Doppler_Jumps_data_WSM_2007-10-11.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 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 = -22.992147 Hz

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...

Writing file ../../RESULTS/DAILY/071011/DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -22.299748 Hz
Writing file ../../RESULTS/DAILY/071011//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/071011//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 = -19.560137 Hz
Writing file ../../RESULTS/DAILY/071011//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/071011//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -26.003094 Hz
Writing file ../../RESULTS/DAILY/071011//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/071011//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/071011/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/CHIRP/ScaleFactor_data_WSM_SS1_HH_2007-10-11.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/071011/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/071011/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/CHIRP/ScaleFactor_data_WSM_SS1_VV_2007-10-11.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/071011/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/071011/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/071011/RAW_DATA

Creating directory ./RESULTS/DAILY/071011/RAW_DATA...

Getting raw data for WVS from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/RAW_DATA/Raw_data_WVS_2007-10-11.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2007-10-11 00:00:00 to 2007-10-11 23:59:59...
Writing file ./RESULTS/DAILY/071011/RAW_DATA/Raw_data_IMM_2007-10-11.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/071011/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2007-10-11 00:00:00 to 2007-10-11 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/071011/TELEMETRY

Creating directory ./RESULTS/DAILY/071011/TELEMETRY...

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

Checking 27 products from PDE...
Checking 22 products from PDK...

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

Checking 48 products from PDE...
Checking 43 products from PDK...

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

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

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

Checking 30 products from PDE...
Checking 12 products from PDK...

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

Checking 50 products from PDE...
Found product...ASA_WSM_1PNPDE20071011_144631_00000852062_00240_29352_0817.N1 / 0 gaps / 50 missing lines
Checking 17 products from PDK...
Found product...ASA_WSM_1PNPDK20071011_094717_00000852062_00237_29349_0671.N1 / 0 gaps / 32 missing lines



Creating graph of missing lines and gaps...

 Creating image: ./RESULTS/DAILY/071011/TELEMETRY/TELEMETRY_Missing_lines.png...
 Creating image: ./RESULTS/DAILY/071011/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
 #####

BROWSE PRODUCTS ANALYSIS
 #####
 Analysis will be performed on 2007-10-11

 Scanning directory /nas3/ENVISAT/ASAR//ASA_GM__BP...
 Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_GM__BP/JPG/20071011/

 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_044318_000006702062_00234_29346_0758.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_045552_000007492062_00234_29346_0756.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_051058_000003442062_00234_29346_0754.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_052019_000002112062_00234_29346_0752.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_055846_000003142062_00234_29346_0750.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_063502_000006882062_00235_29347_0571.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_205031_000002112062_00243_29355_0886.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_205648_000001502062_00243_29355_0890.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_210339_000003082062_00243_29355_0897.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_230741_000002532062_00245_29357_1182.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM__BP/ASA_GM__BPZPDE20071011_233112_000006342062_00245_29357_1191.N1 ...

ANALYSIS COMPLETED: 11 GM browse products to see...

 Scanning directory /nas3/ENVISAT/ASAR//ASA_AP__BP...
 Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_AP__BP/JPG/20071011/

ANALYSIS COMPLETED: 0 AP browse products to see...

 Scanning directory /nas3/ENVISAT/ASAR//ASA_IM__BP...
 Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_IM__BP/JPG/20071011/

 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_050819_000001422062_00234_29346_0332.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_070612_000000982062_00235_29347_0606.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_070754_000000882062_00235_29347_0608.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_071347_000000602062_00235_29347_0580.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_084553_000000982062_00236_29348_0642.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_101833_000000512062_00237_29349_0663.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_121244_000001432062_00238_29350_0707.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_135411_000000732062_00239_29351_0806.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_143934_000000352062_00239_29351_0762.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_145218_000000652062_00240_29352_0802.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_152001_000000362062_00240_29352_0760.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_163956_000000802062_00241_29353_0804.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDE20071011_184056_000000362062_00242_29354_0864.N1 ...
 Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM__BP/ASA_IM__BPZPDK20071011_182519_000001102062_00242_29354_1308.N1 ...

ANALYSIS COMPLETED: 14 IM browse products to see...

 Scanning directory /nas3/ENVISAT/ASAR//ASA_WS__BP...
 Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_WS__BP/JPG/20071011/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_005425_000003242062_00231_29343_9927.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_030420_000001762062_00233_29345_0181.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_033635_000001472062_00233_29345_0650.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_033909_000001832062_00233_29345_0185.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_040815_000002612062_00233_29345_0655.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_055151_000000672062_00234_29346_0404.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_055151_000004032062_00234_29346_0653.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_055359_000002752062_00234_29346_0610.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_071842_000002132062_00235_29347_0622.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_102050_000002082062_00237_29349_0676.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_104939_000004042062_00237_29349_0699.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_105700_000005202062_00237_29349_0737.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_122715_000002022062_00238_29350_0735.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_133503_000000922062_00239_29351_0816.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_141121_000001532062_00239_29351_0820.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_144631_000000852062_00240_29352_0818.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_155748_000000852062_00240_29352_0822.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_160301_000000672062_00240_29352_0794.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_160510_000000732062_00240_29352_0824.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_165008_000003912062_00241_29353_0860.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_173948_000000672062_00241_29353_0808.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_174157_000000792062_00241_29353_0830.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_181125_000001092062_00242_29354_0856.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_182804_000001592062_00242_29354_0862.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_183143_000000852062_00242_29354_0858.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_191046_000004342062_00242_29354_0884.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_194457_000002072062_00243_29355_1013.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_200919_000000922062_00243_29355_1009.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_205414_000001412062_00243_29355_1011.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_205929_000002392062_00243_29355_1007.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDE20071011_214846_000000912062_00244_29356_1165.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20071011_181715_000001152062_00242_29354_1316.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20071011_182256_000001472062_00242_29354_1318.N1 ...

ANALYSIS COMPLETED: 33 WS browse products to see...

BROWSE PRODUCTS ANALYSIS completed
#####

HTML REPORT generation
#####

Building file ./RESULTS/DAILY/071011/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...

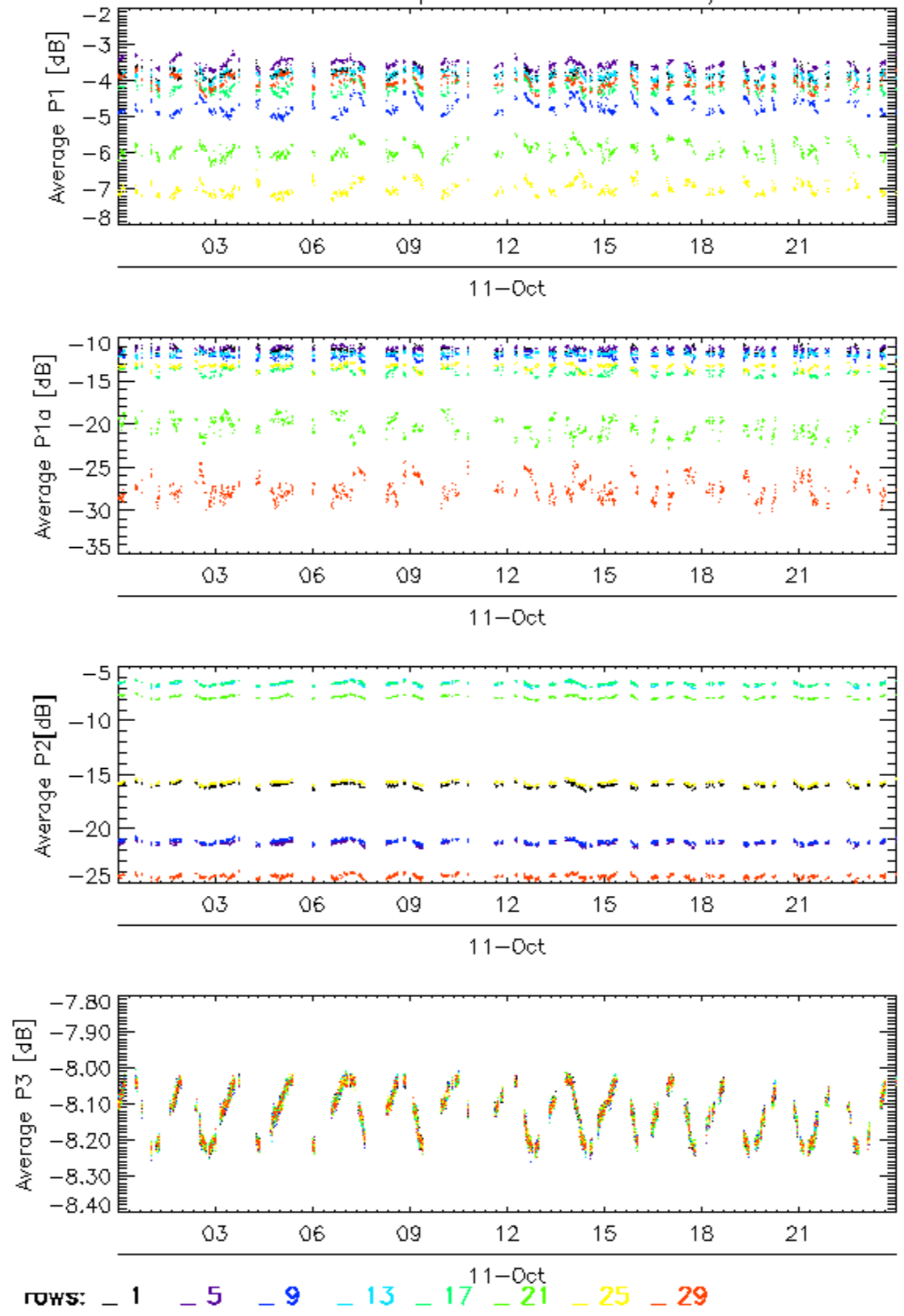
HTML REPORT generation completed
#####



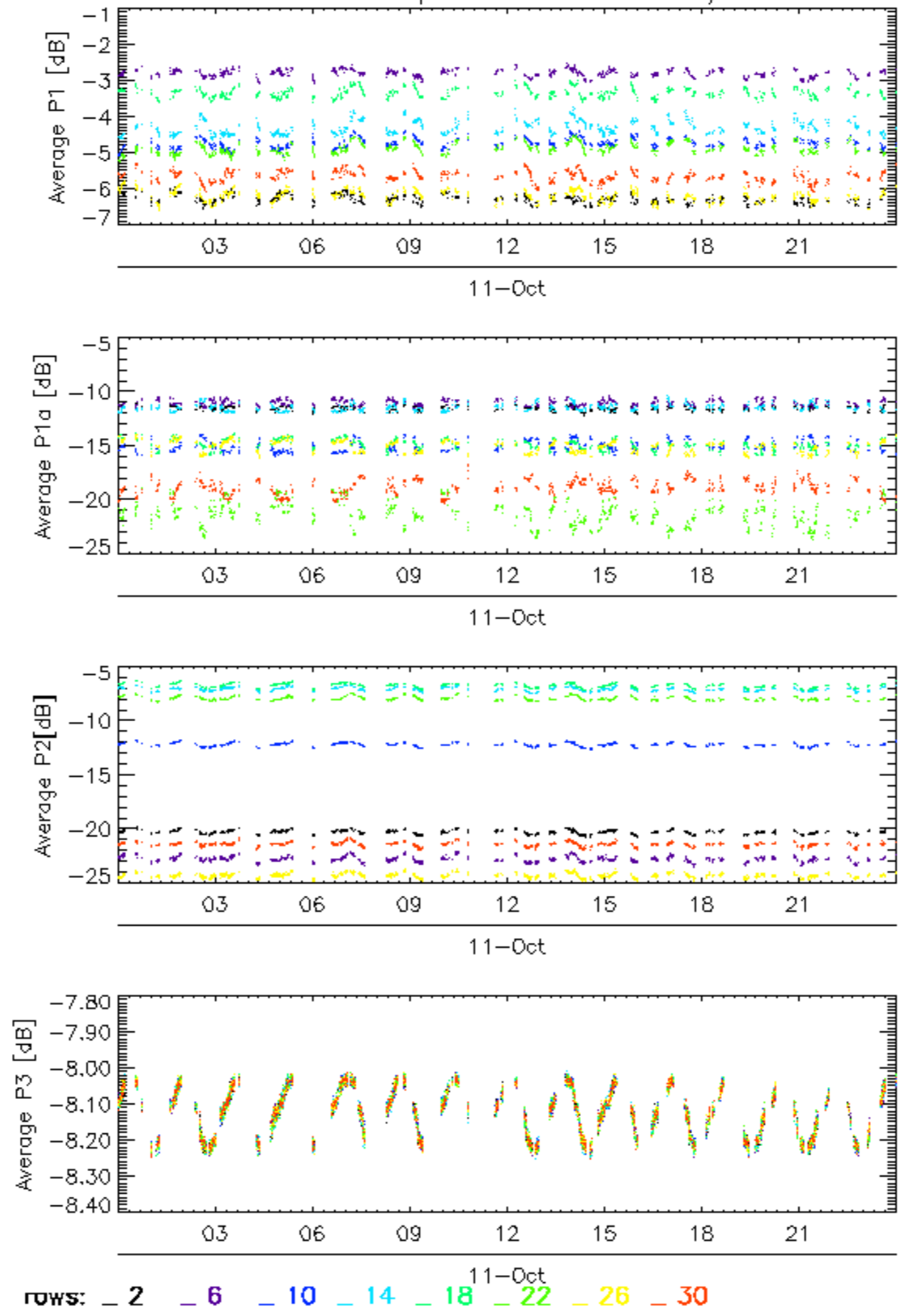
ASAR Daily Report



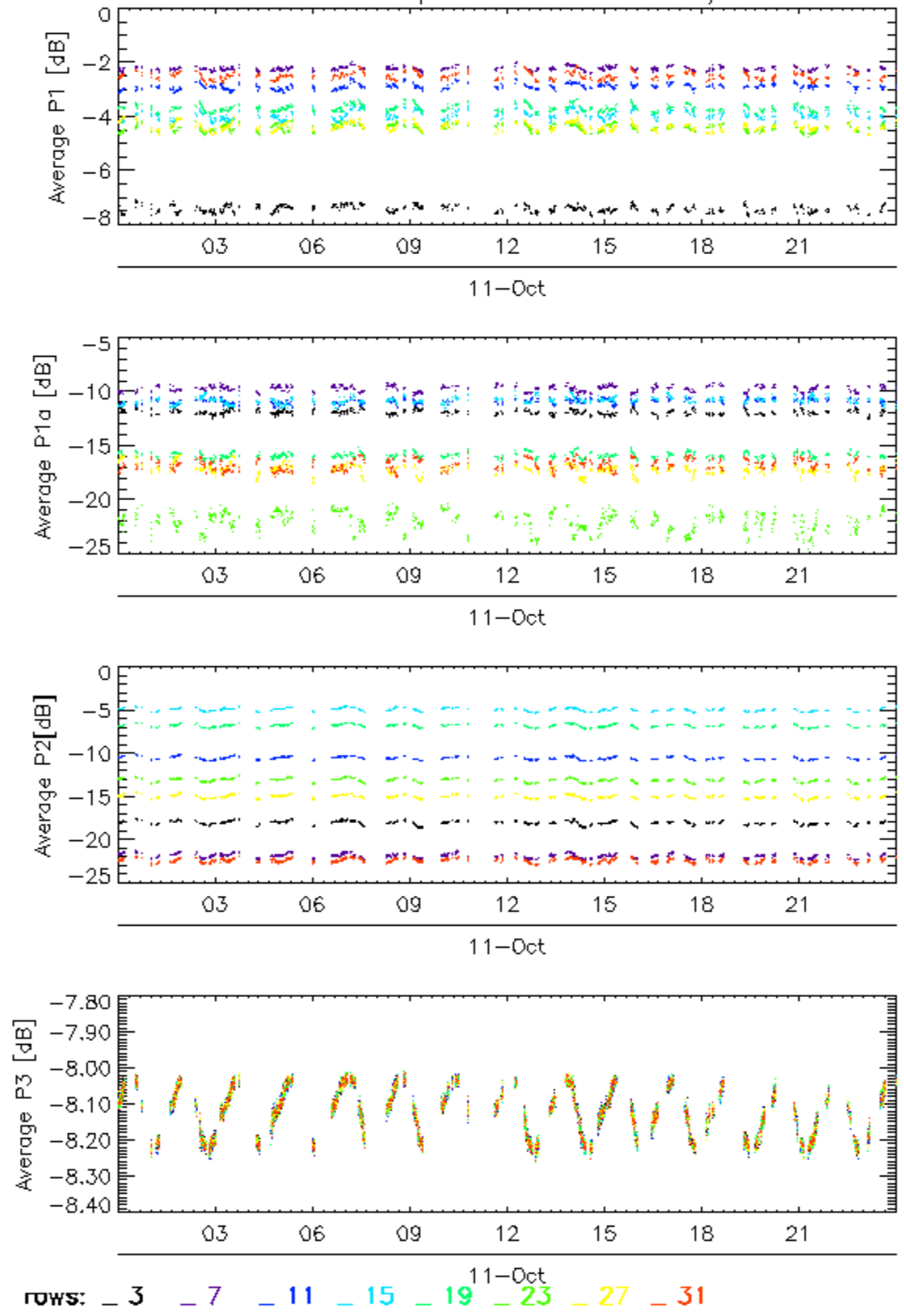
Calibration pulses for GM1 SS3 H/H



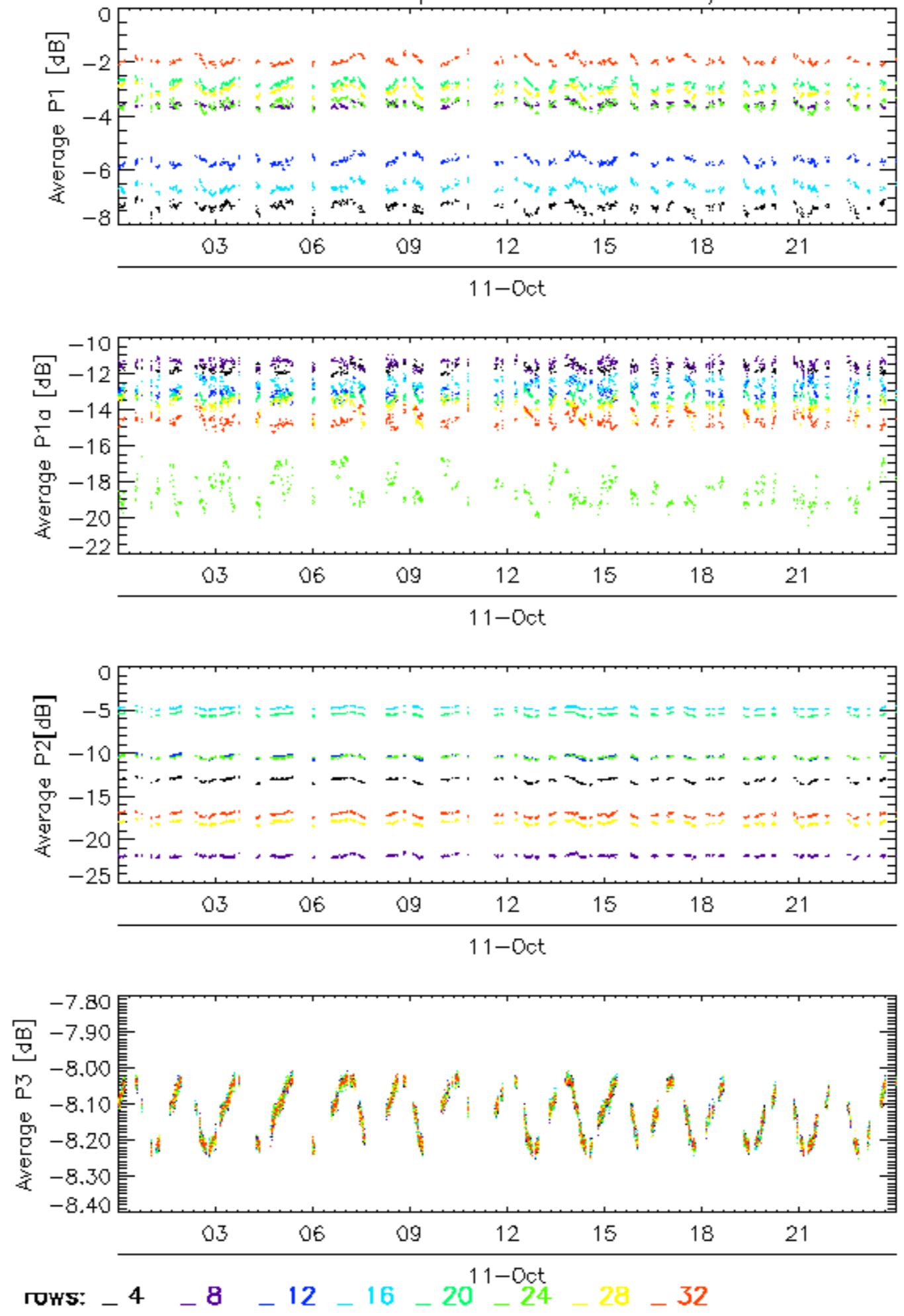
Calibration pulses for GM1 SS3 H/H



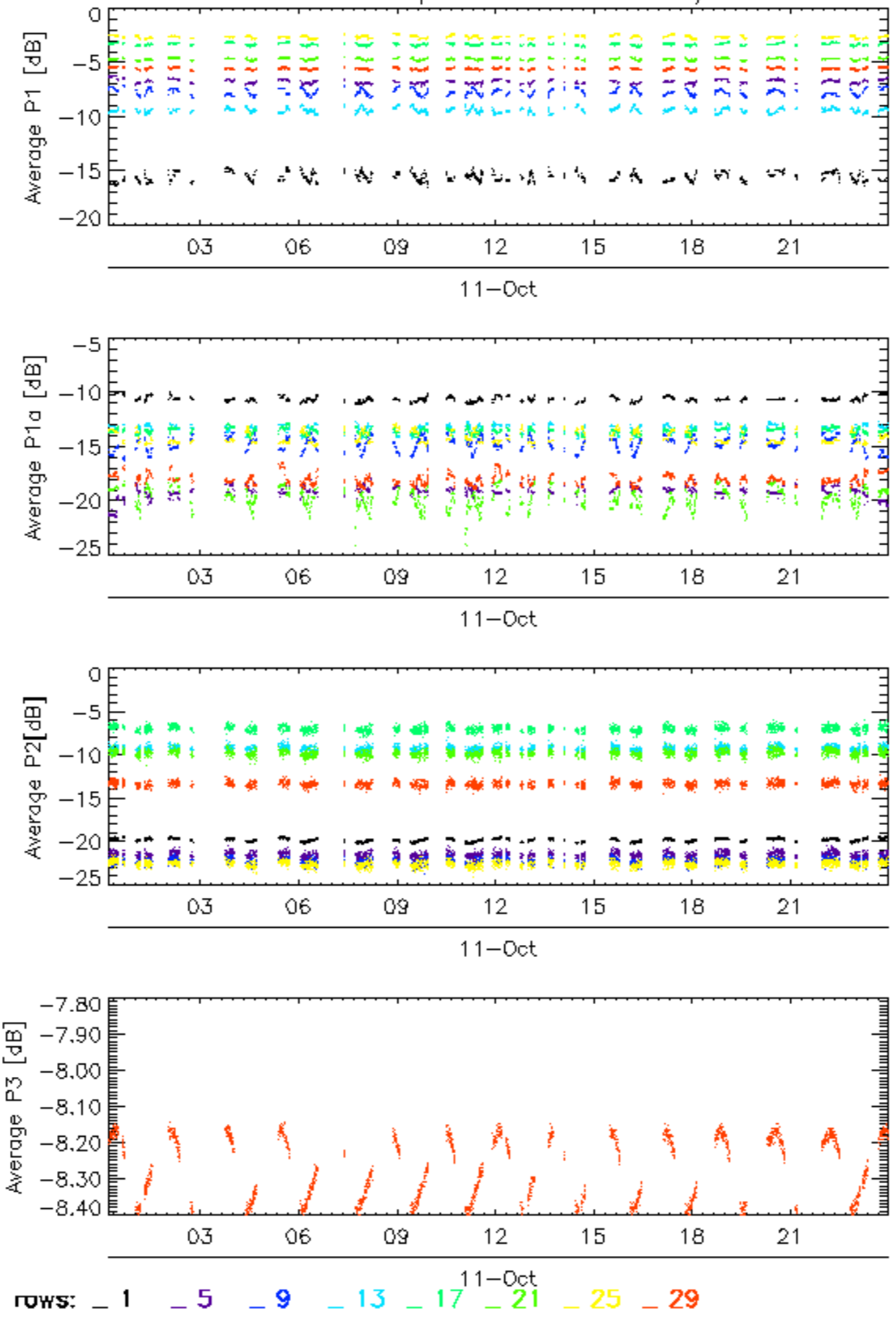
Calibration pulses for GM1 SS3 H/H



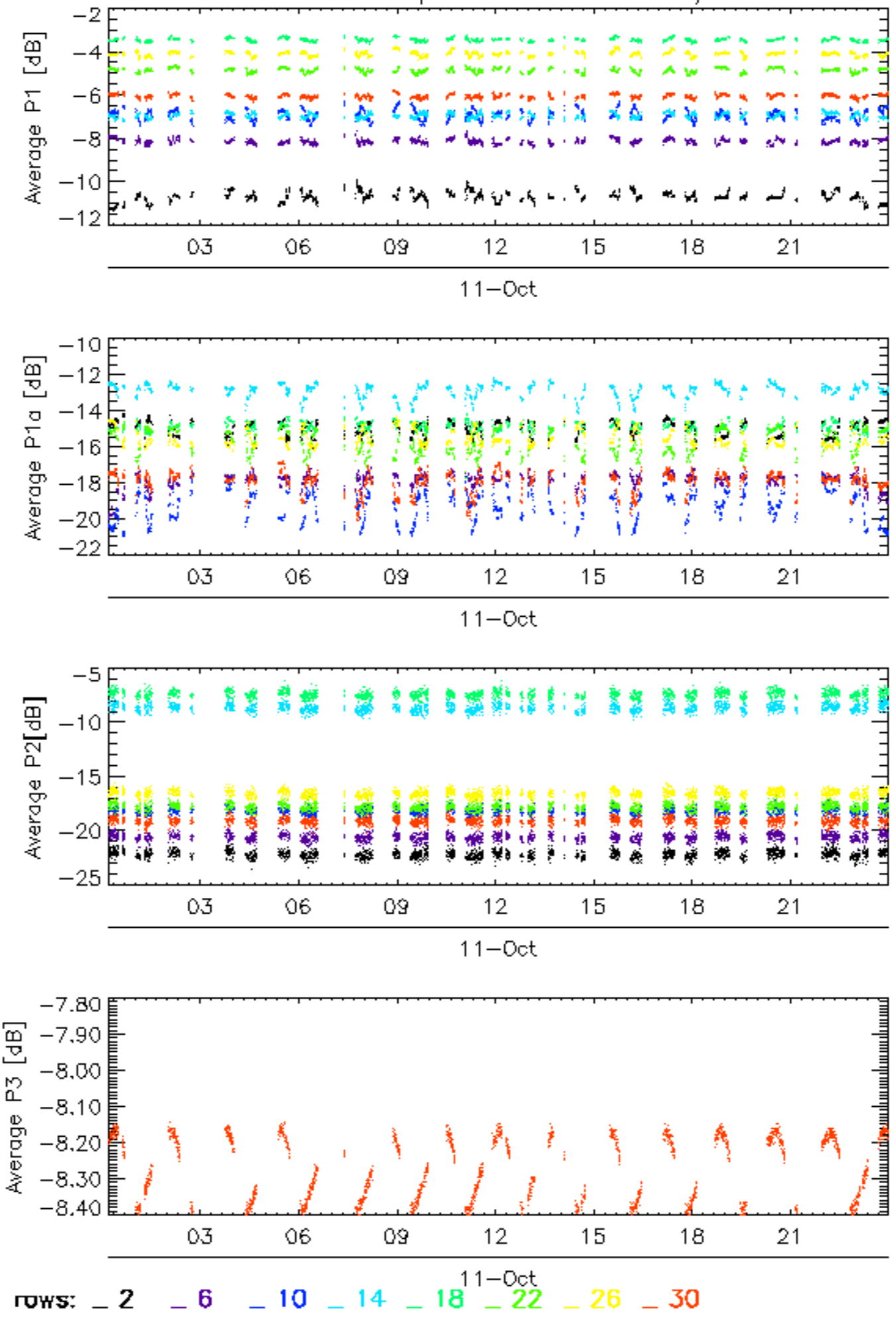
Calibration pulses for GM1 SS3 H/H



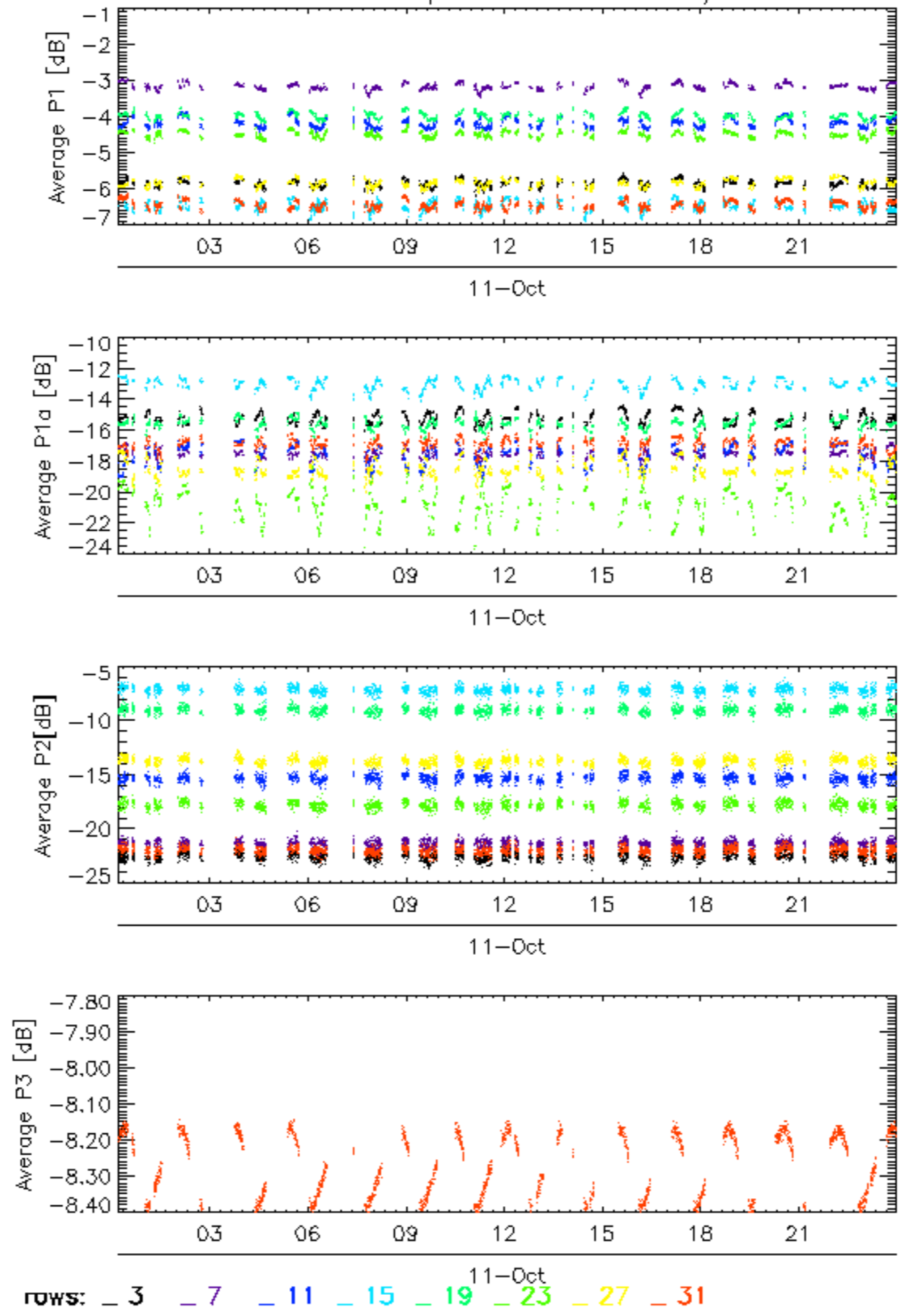
Calibration pulses for WVS IS2 V/V



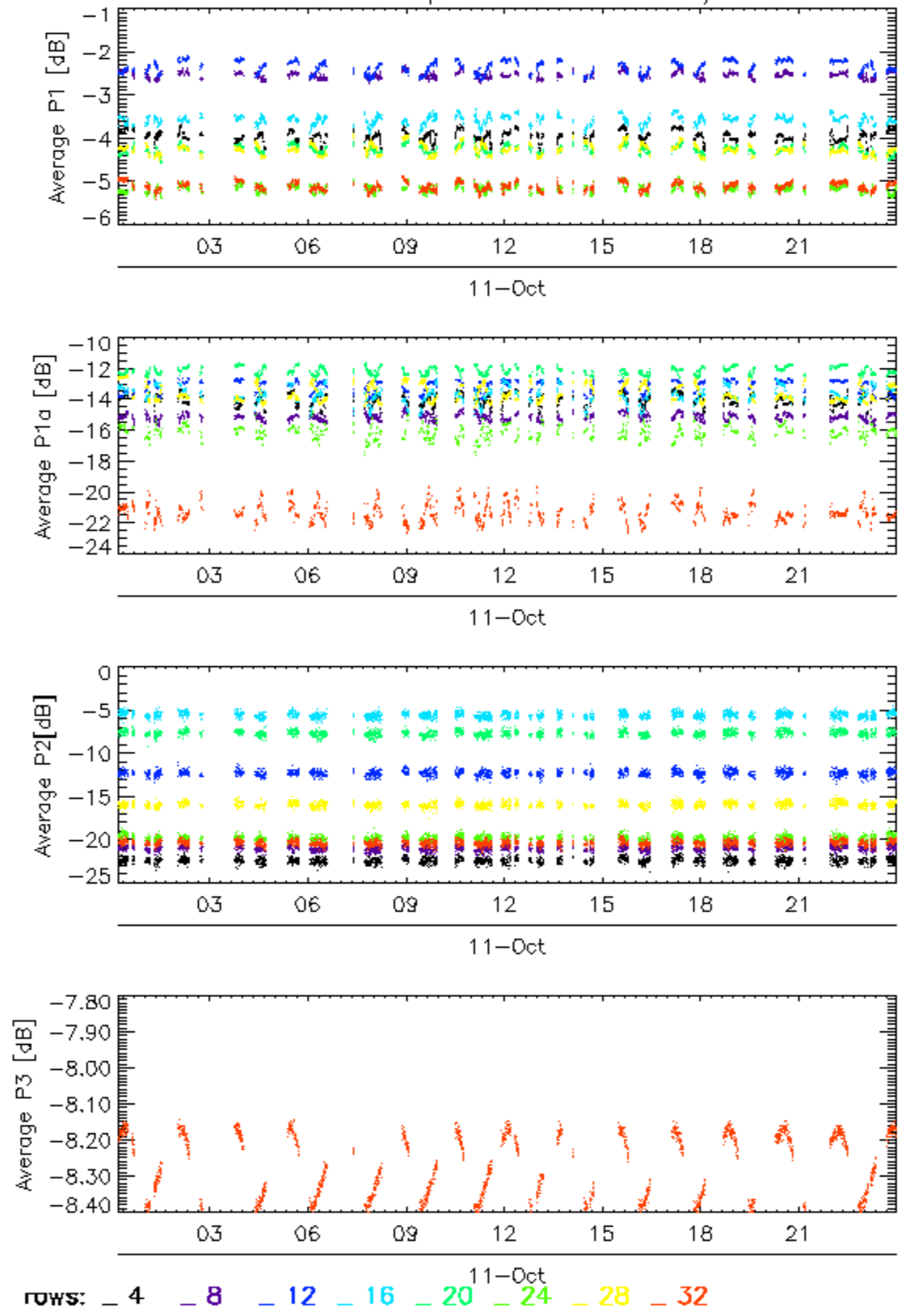
Calibration pulses for WVS IS2 V/V

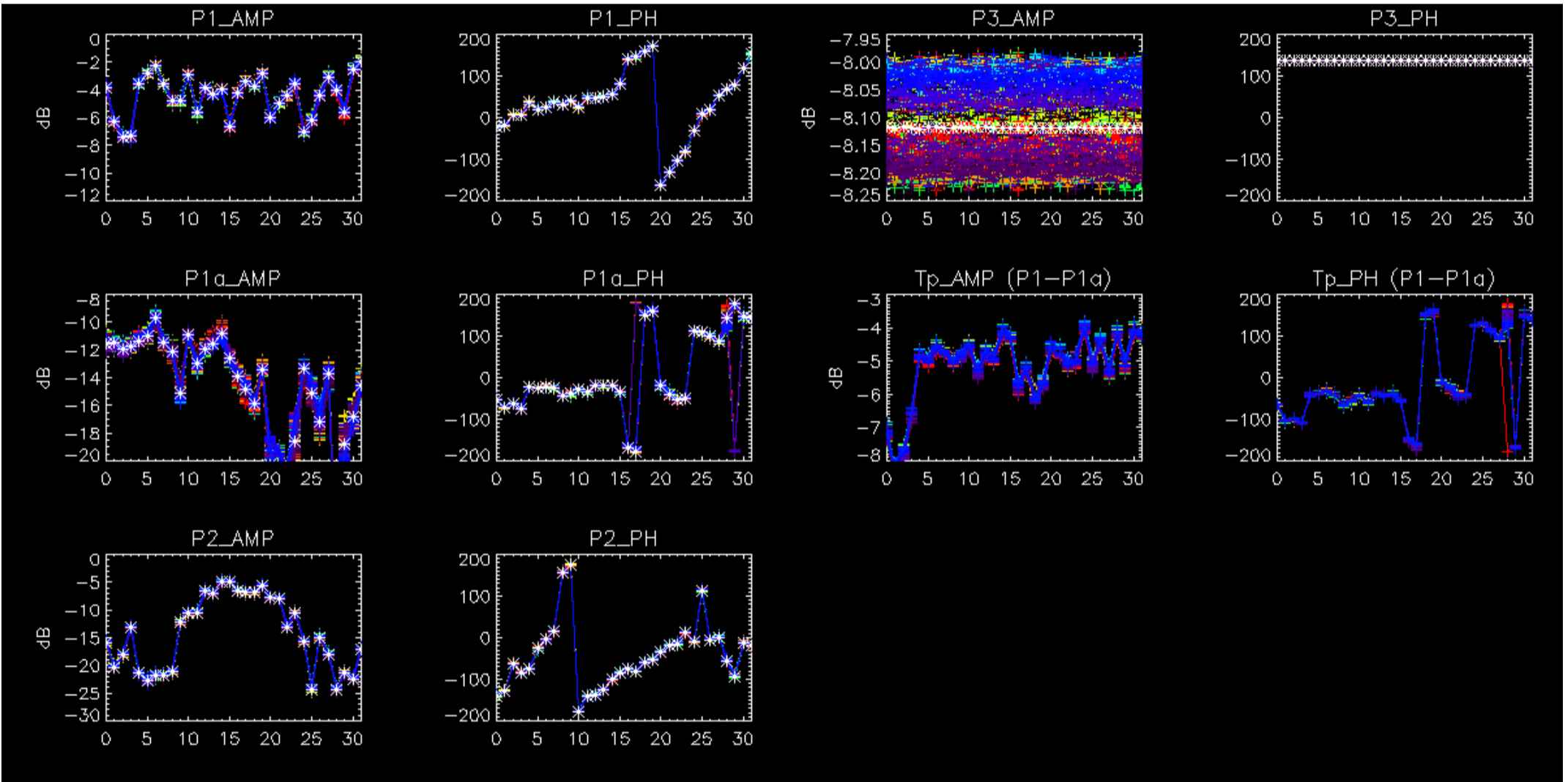


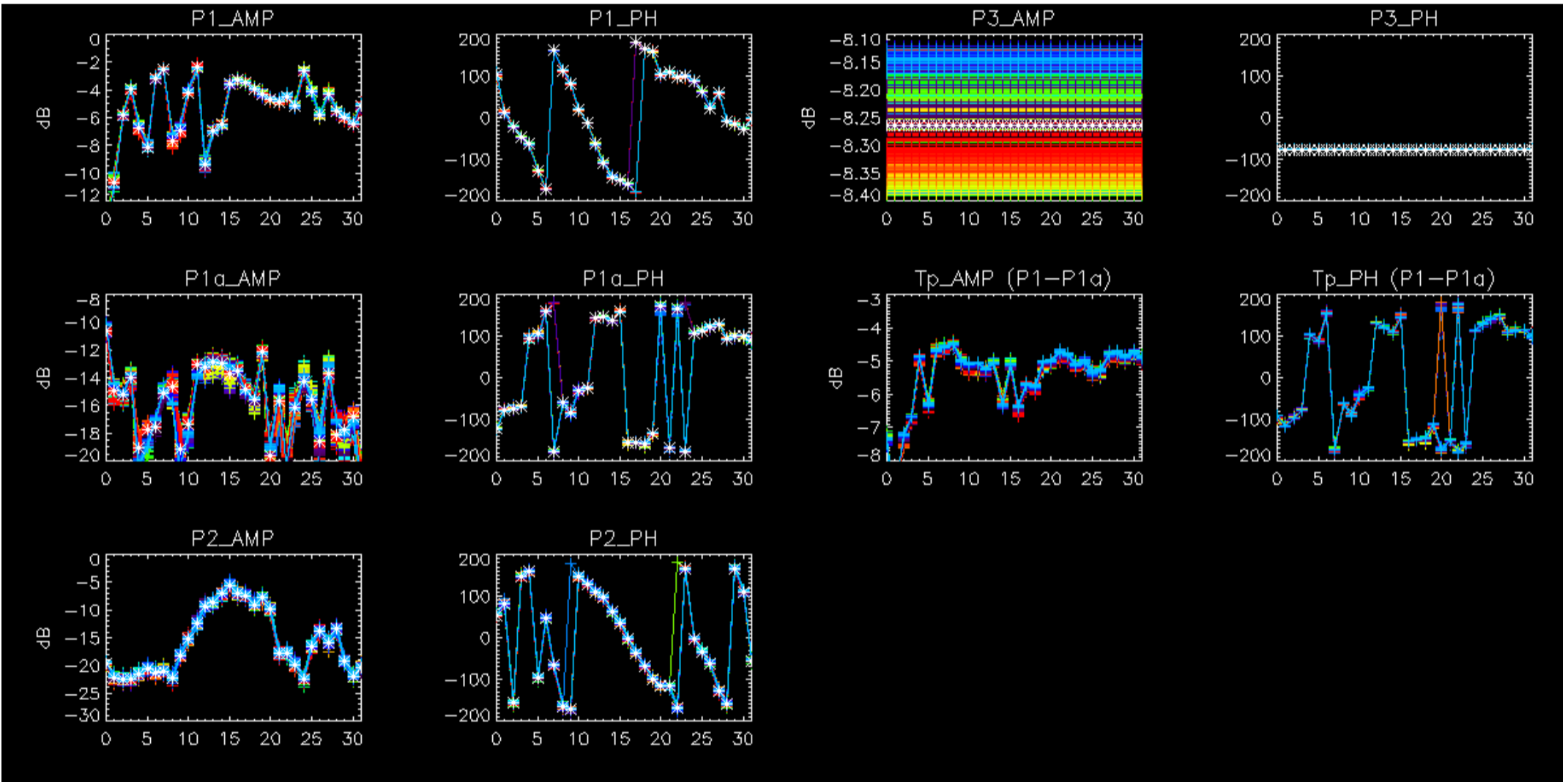
Calibration pulses for WVS IS2 V/V

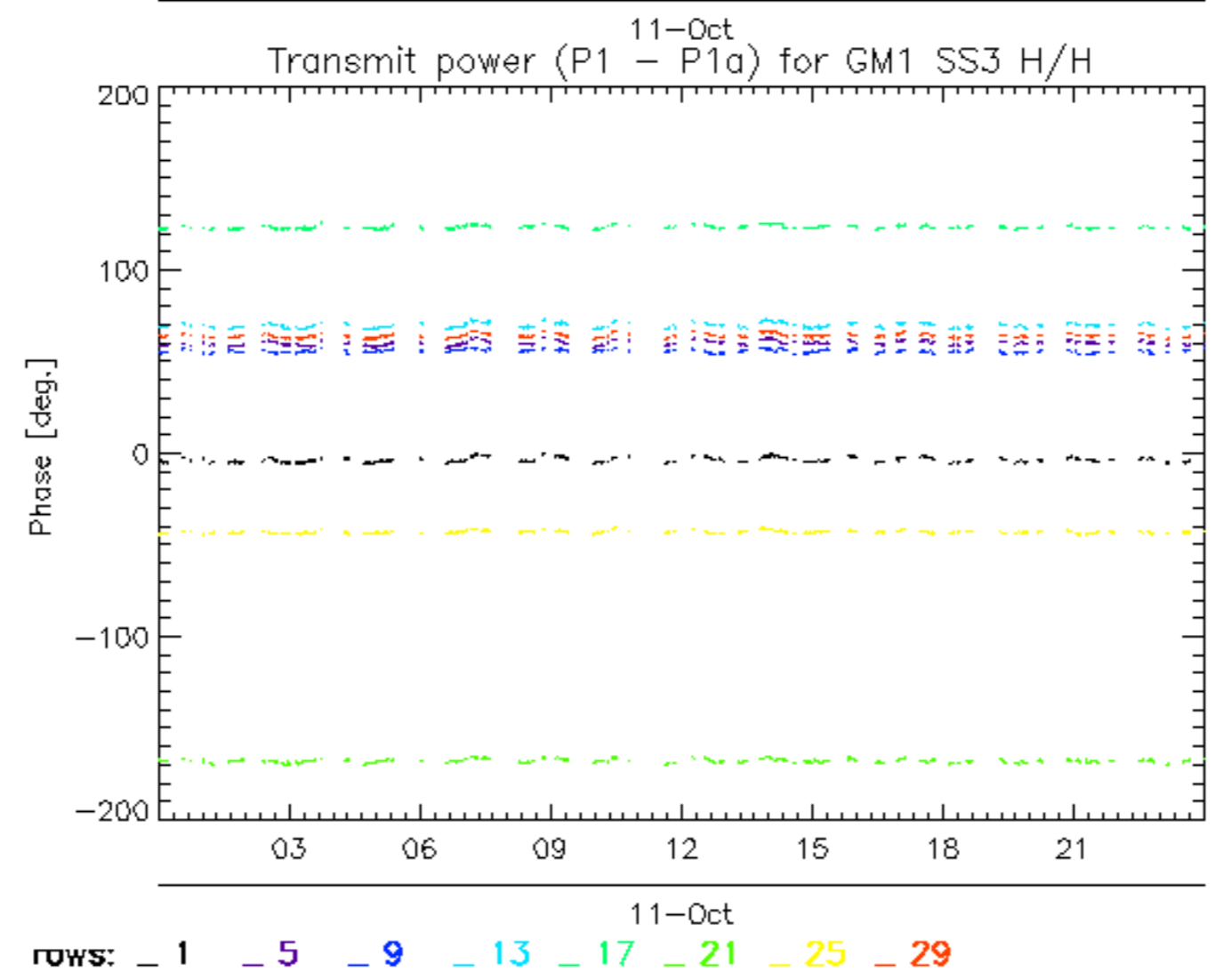
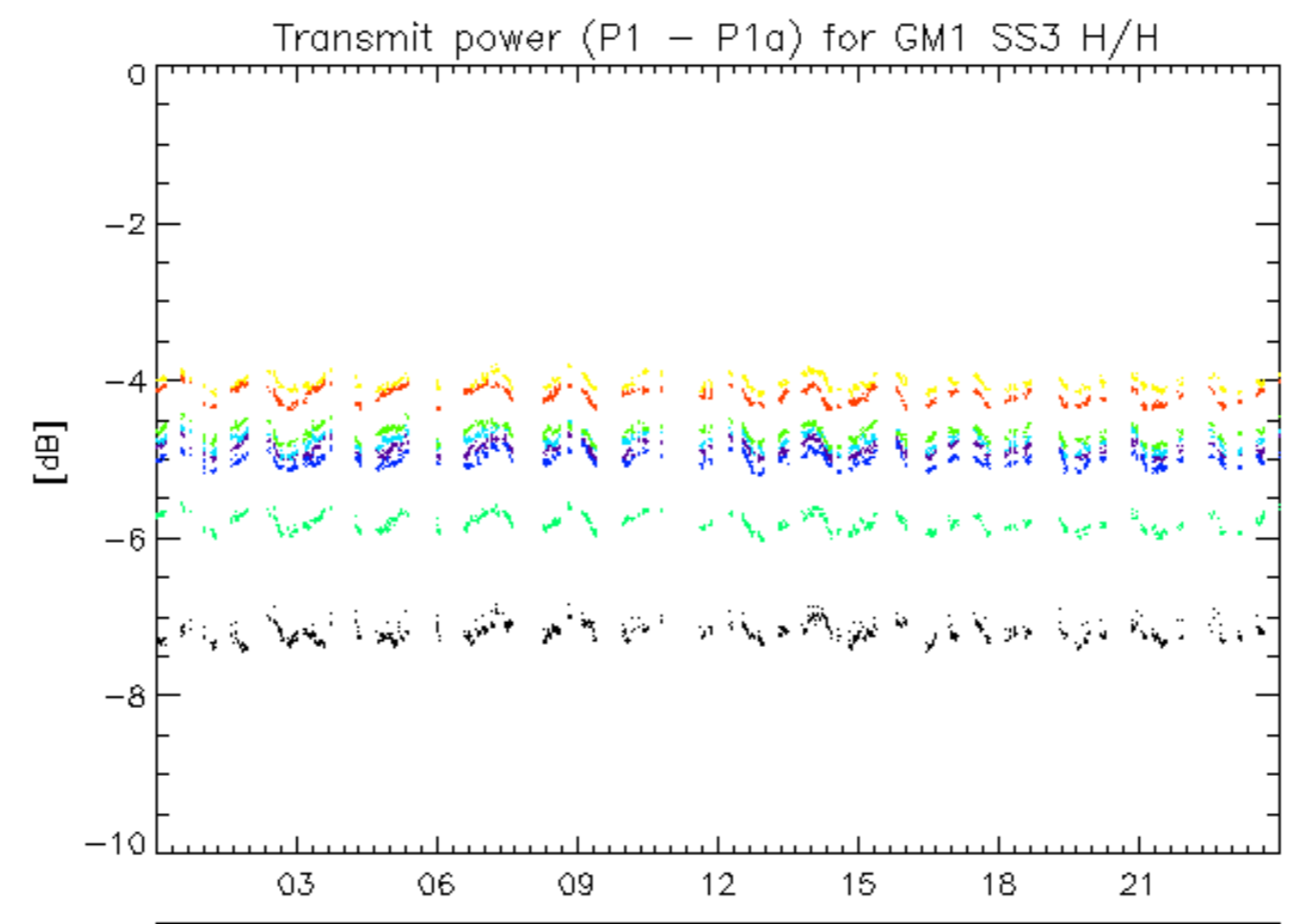


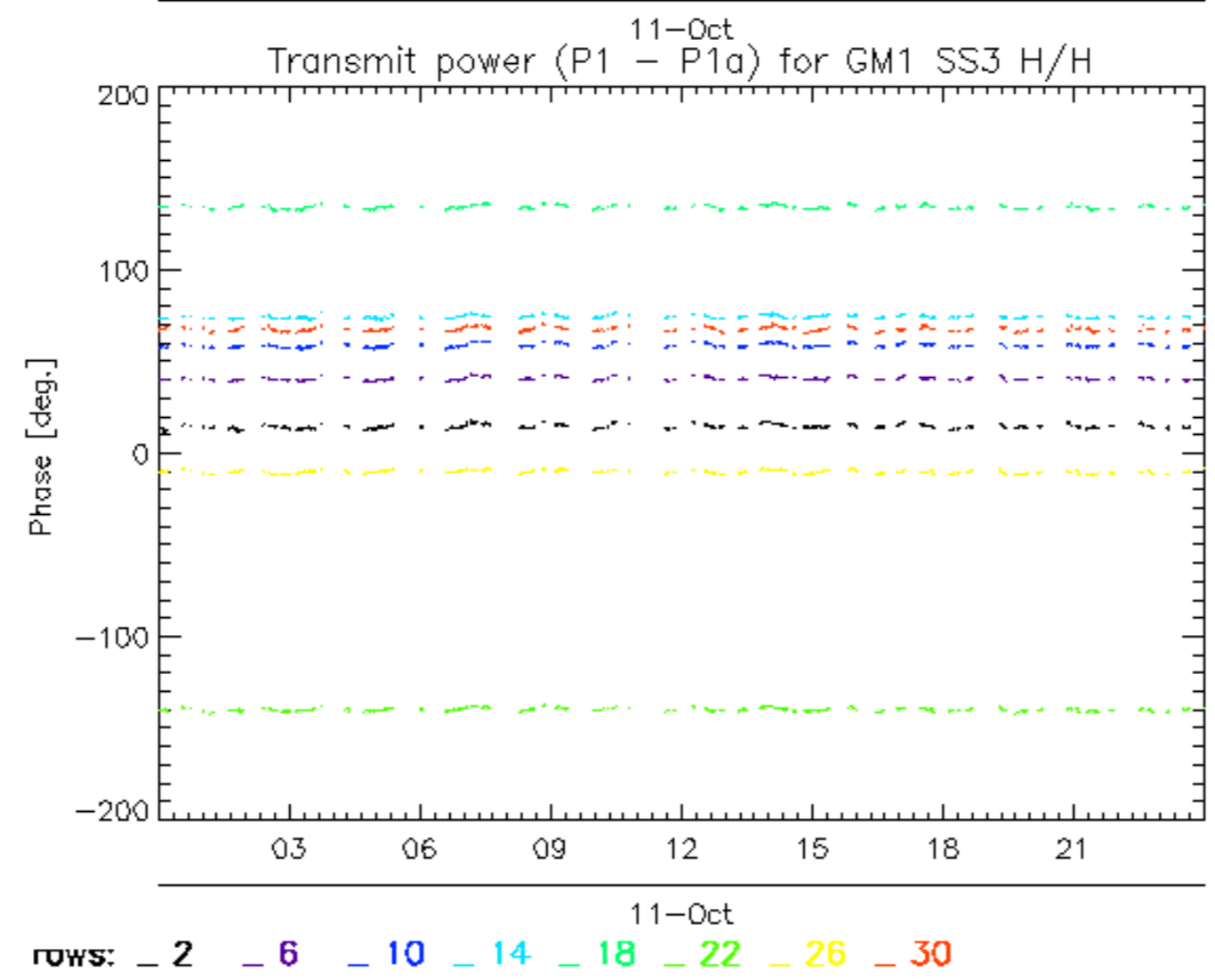
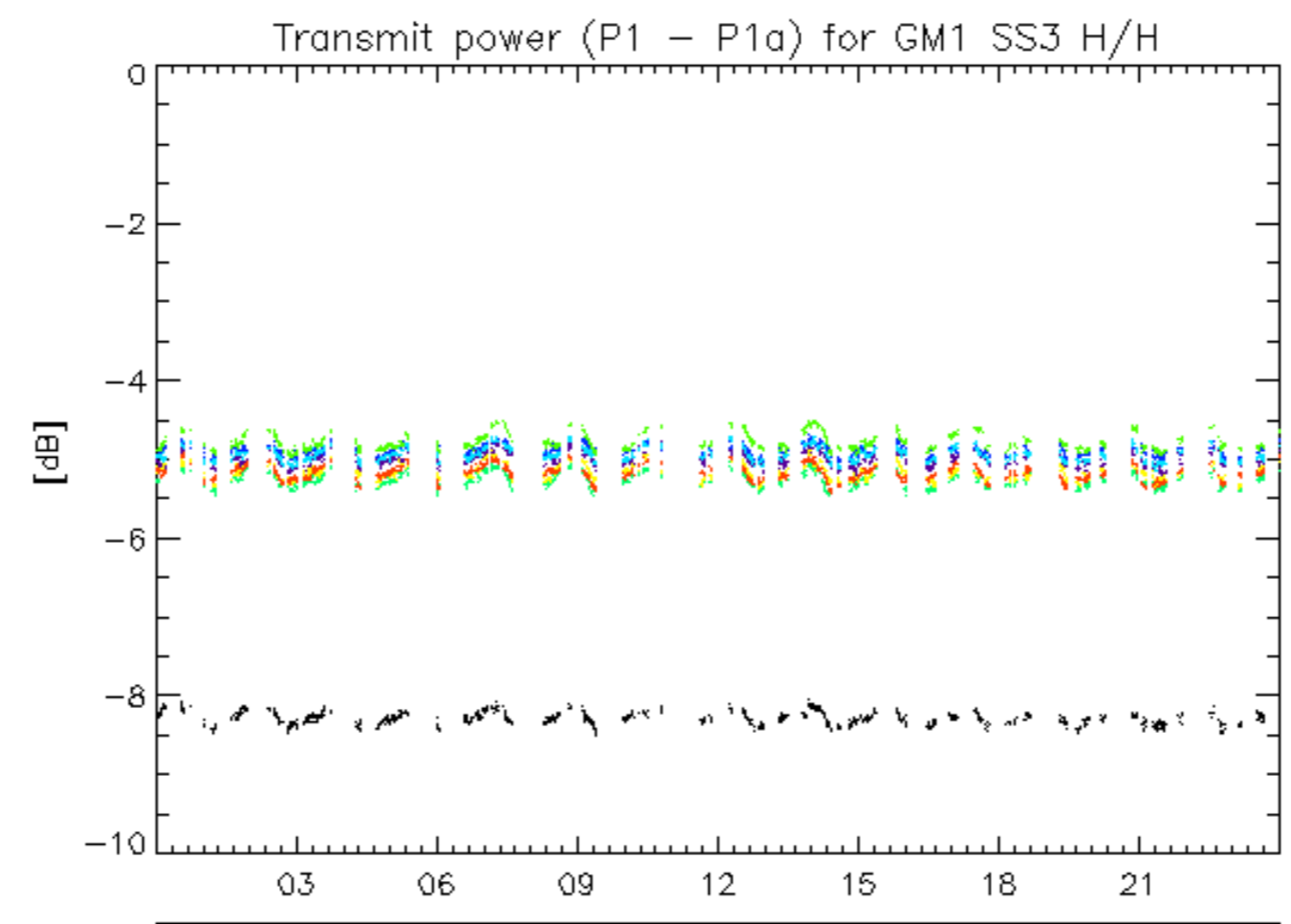
Calibration pulses for WVS IS2 V/V

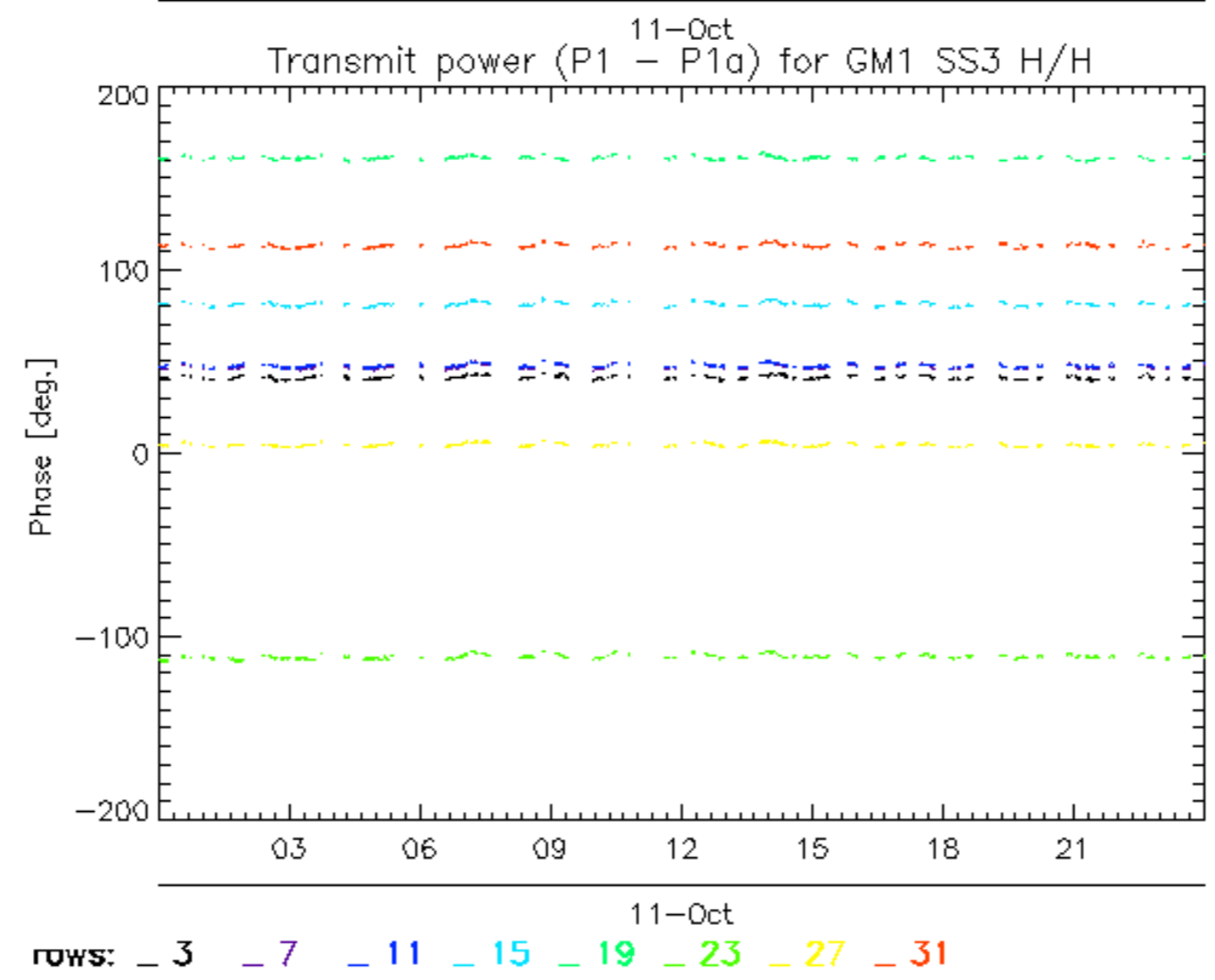
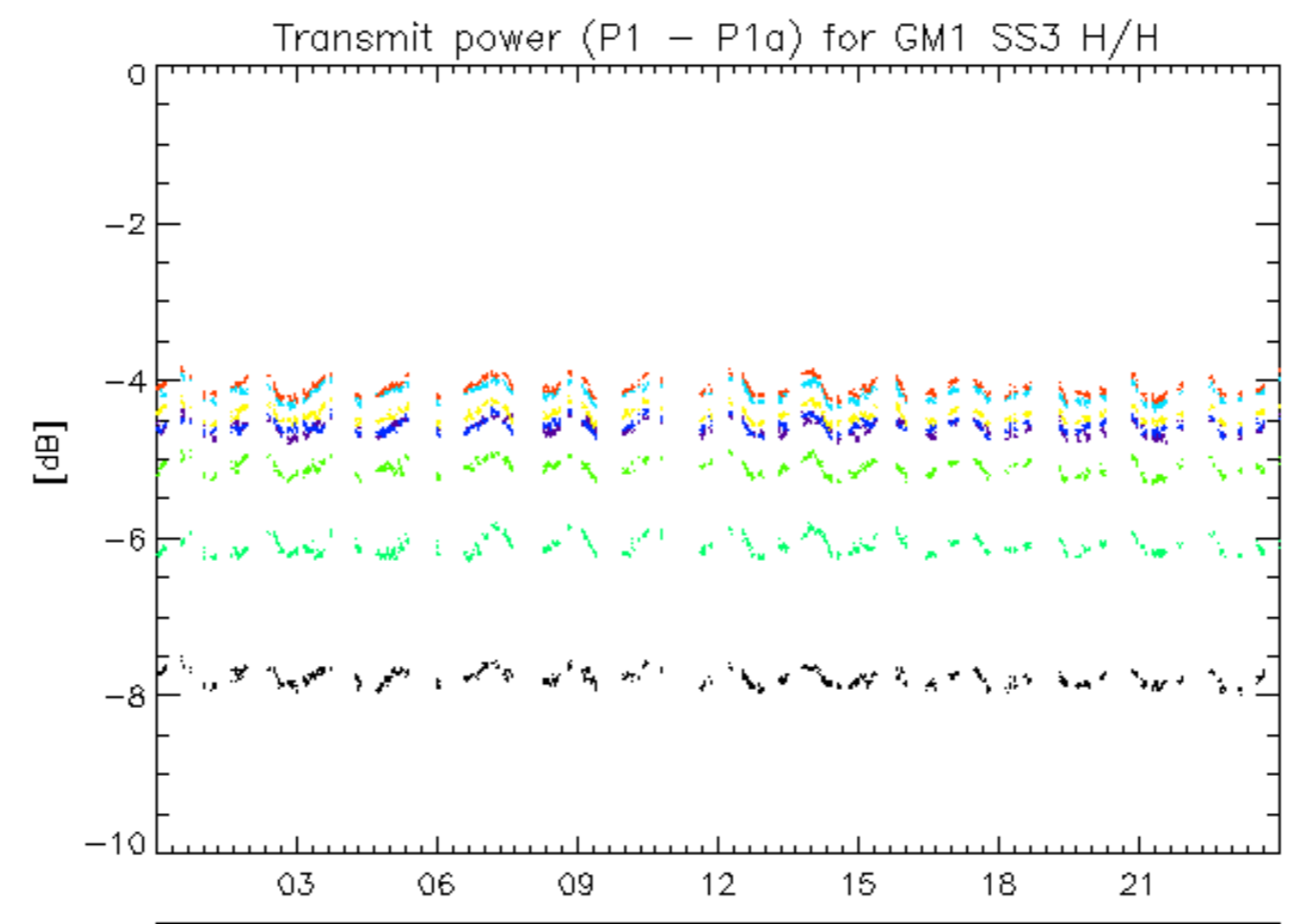


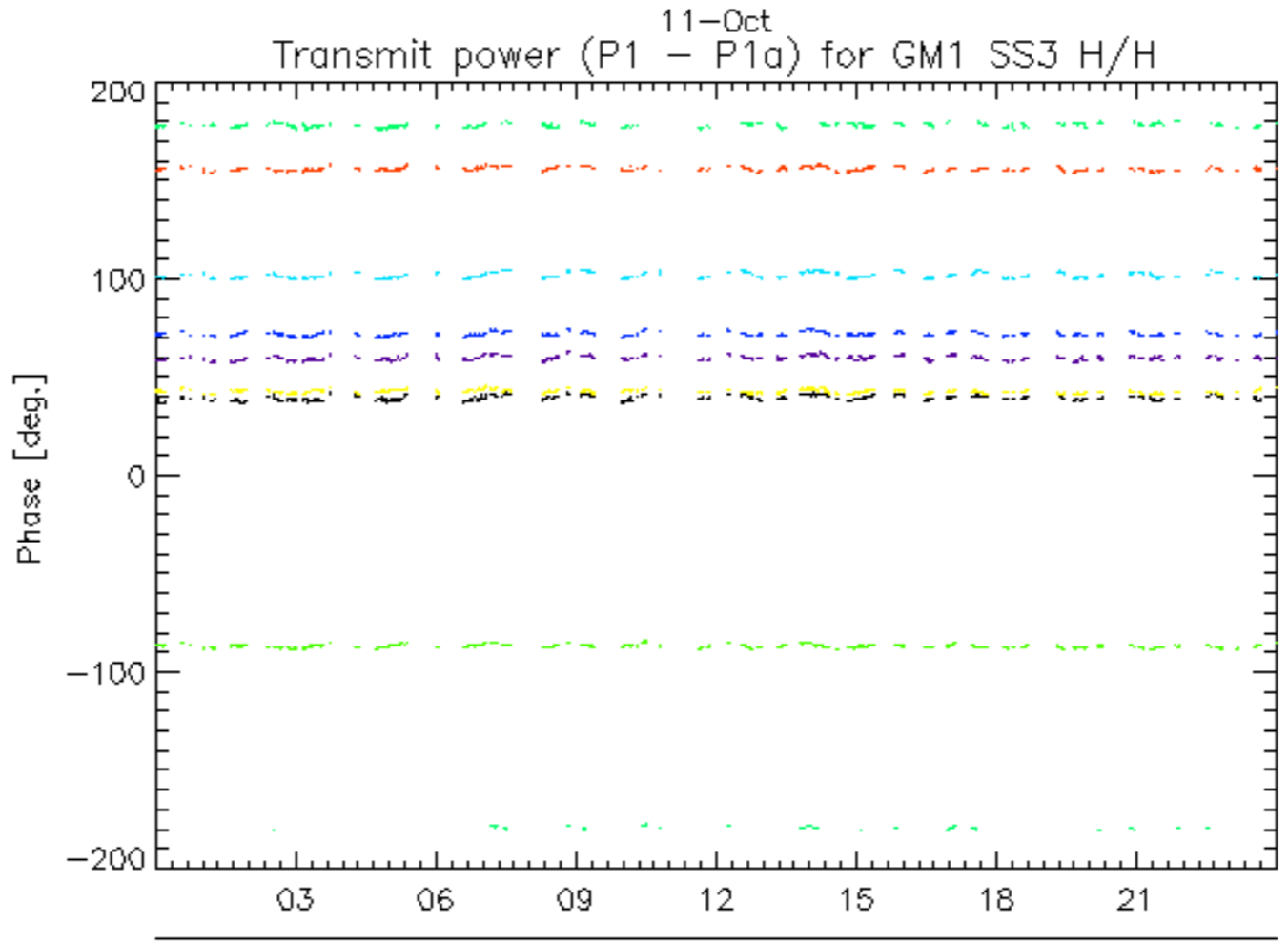
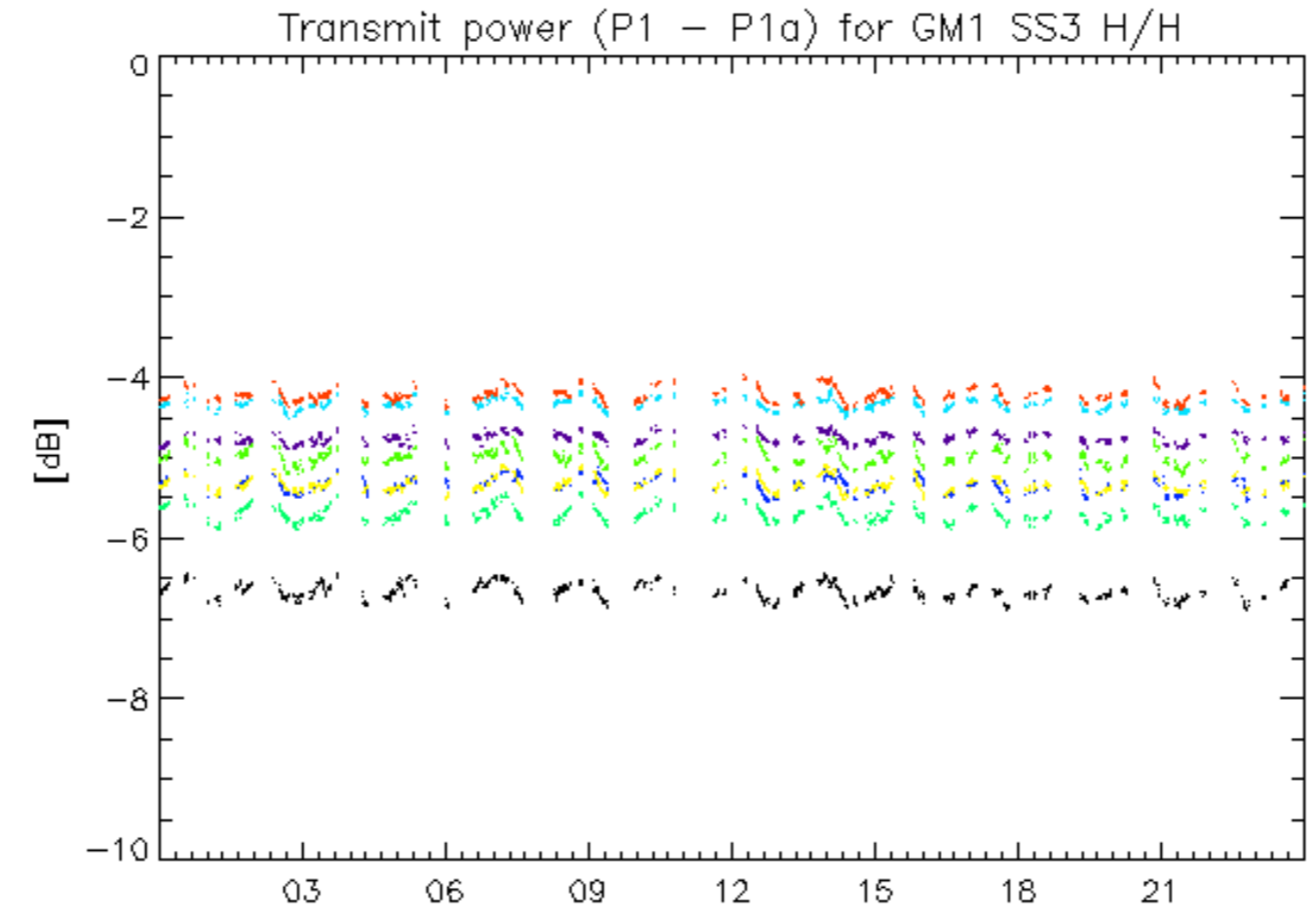




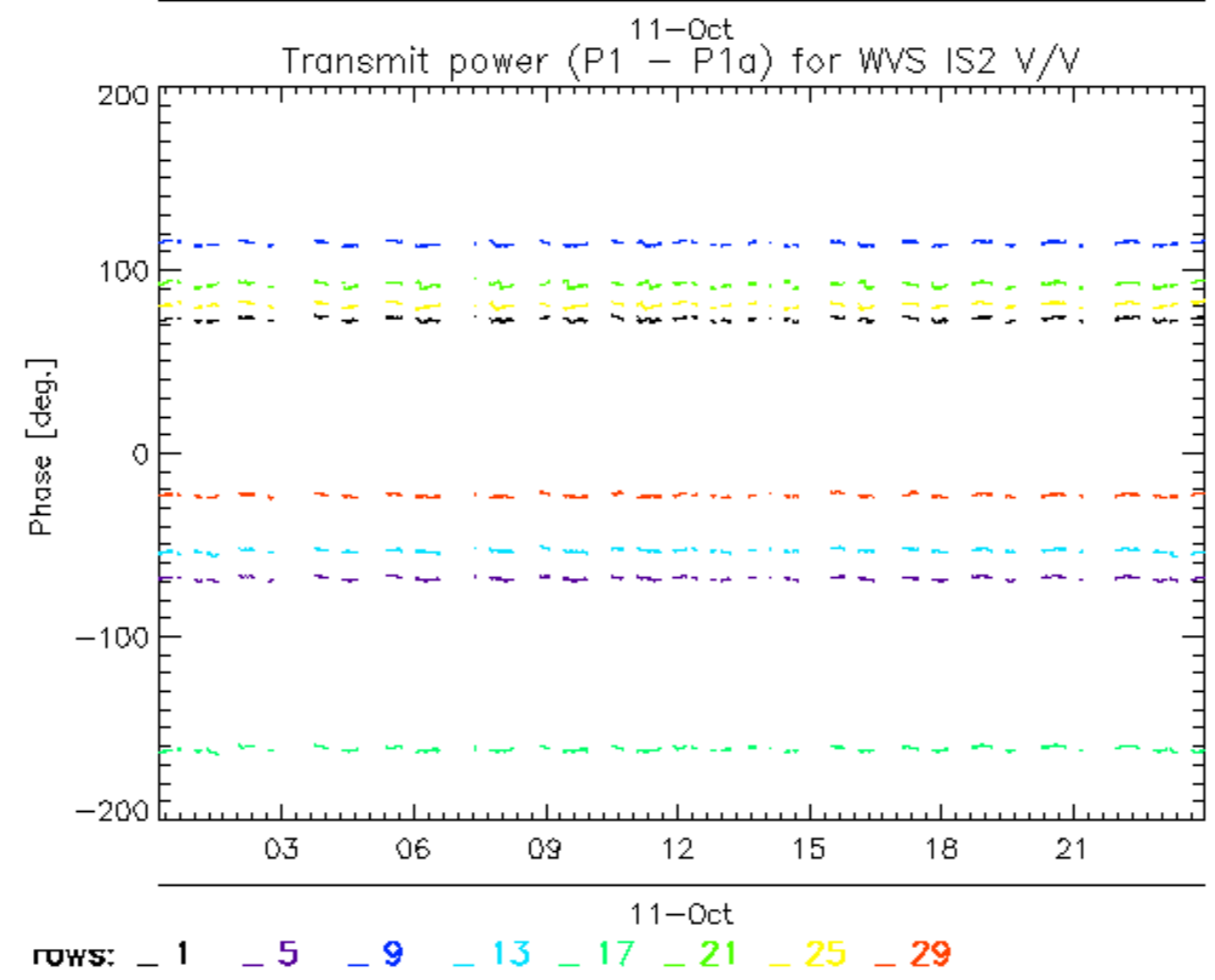
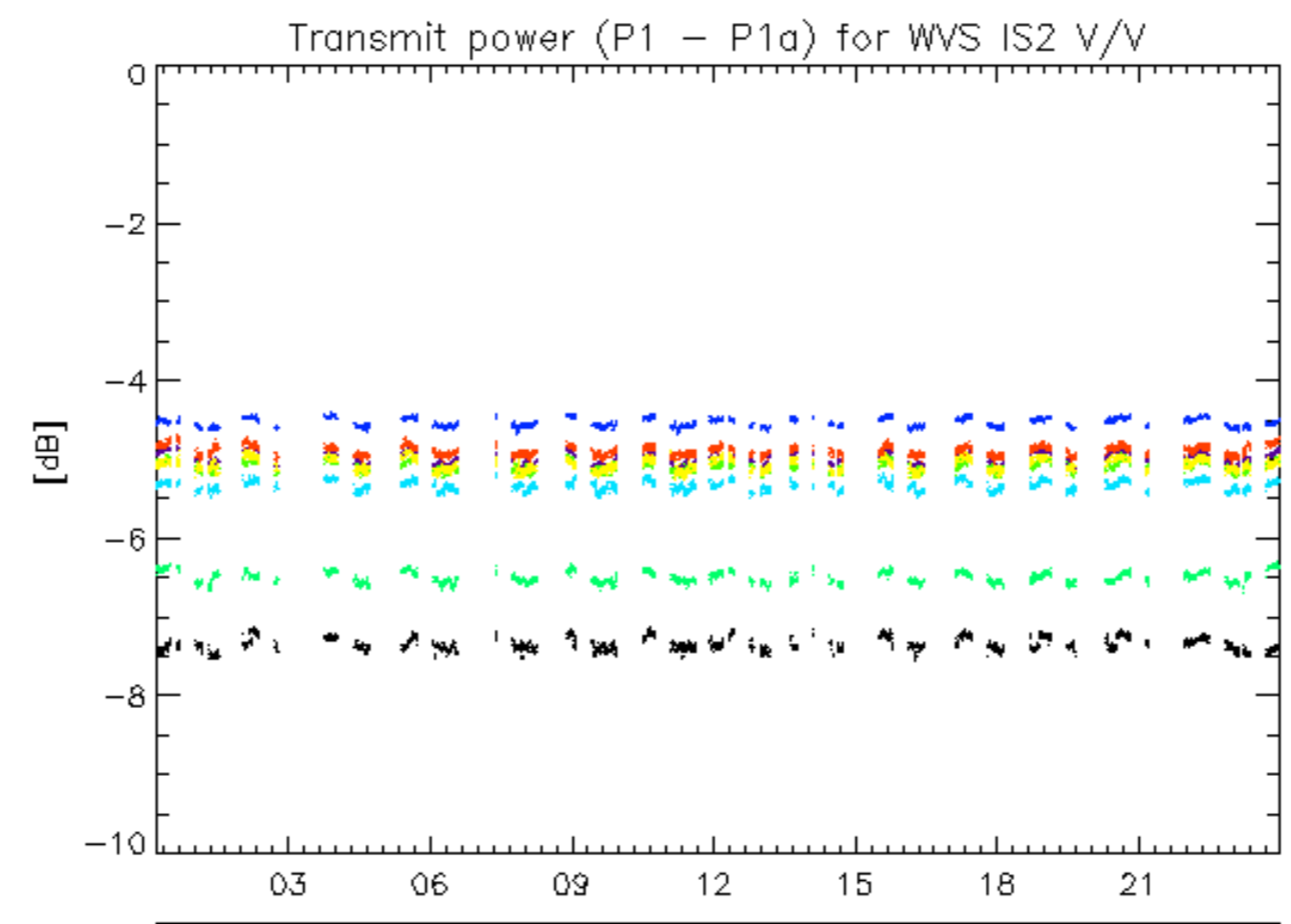


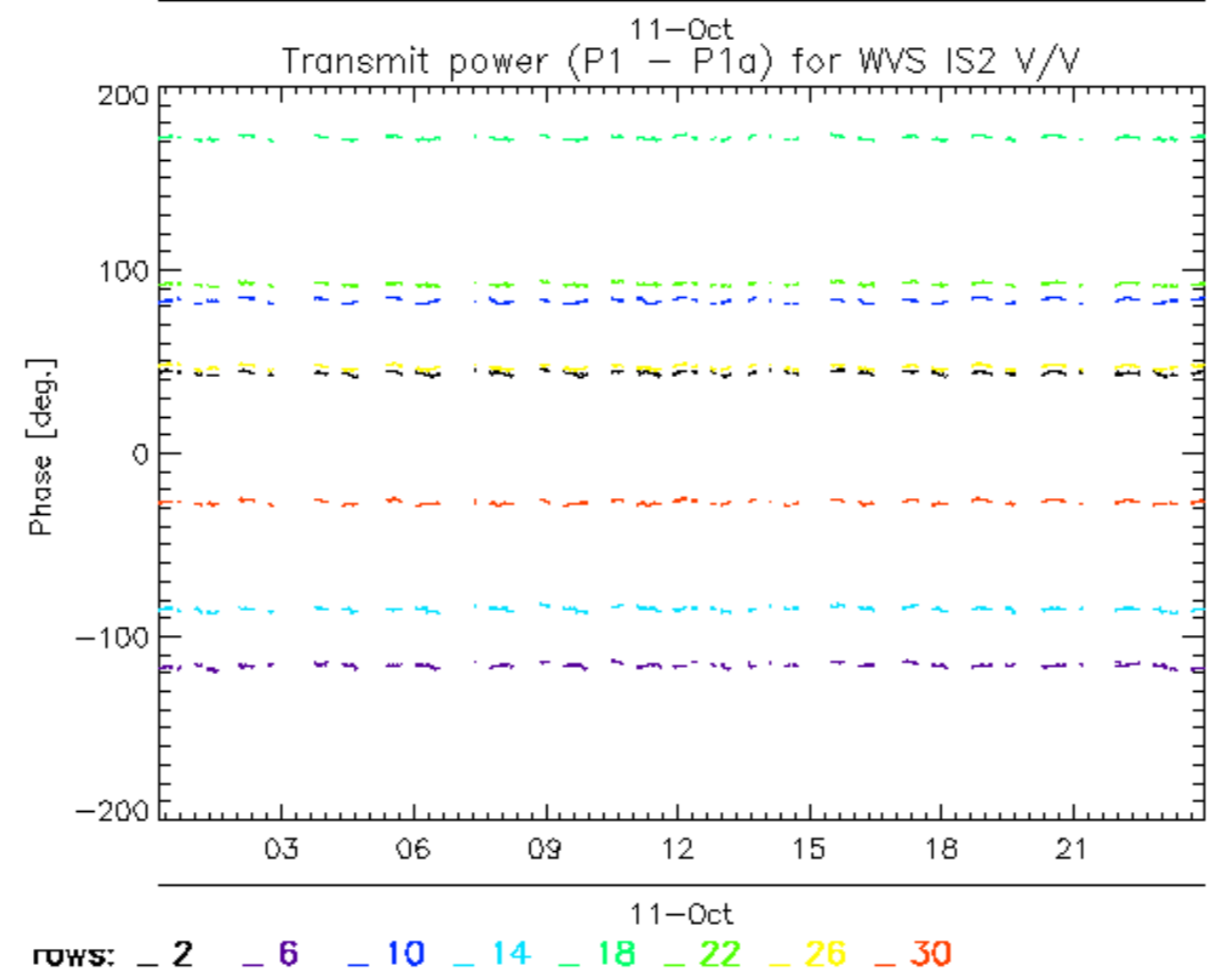
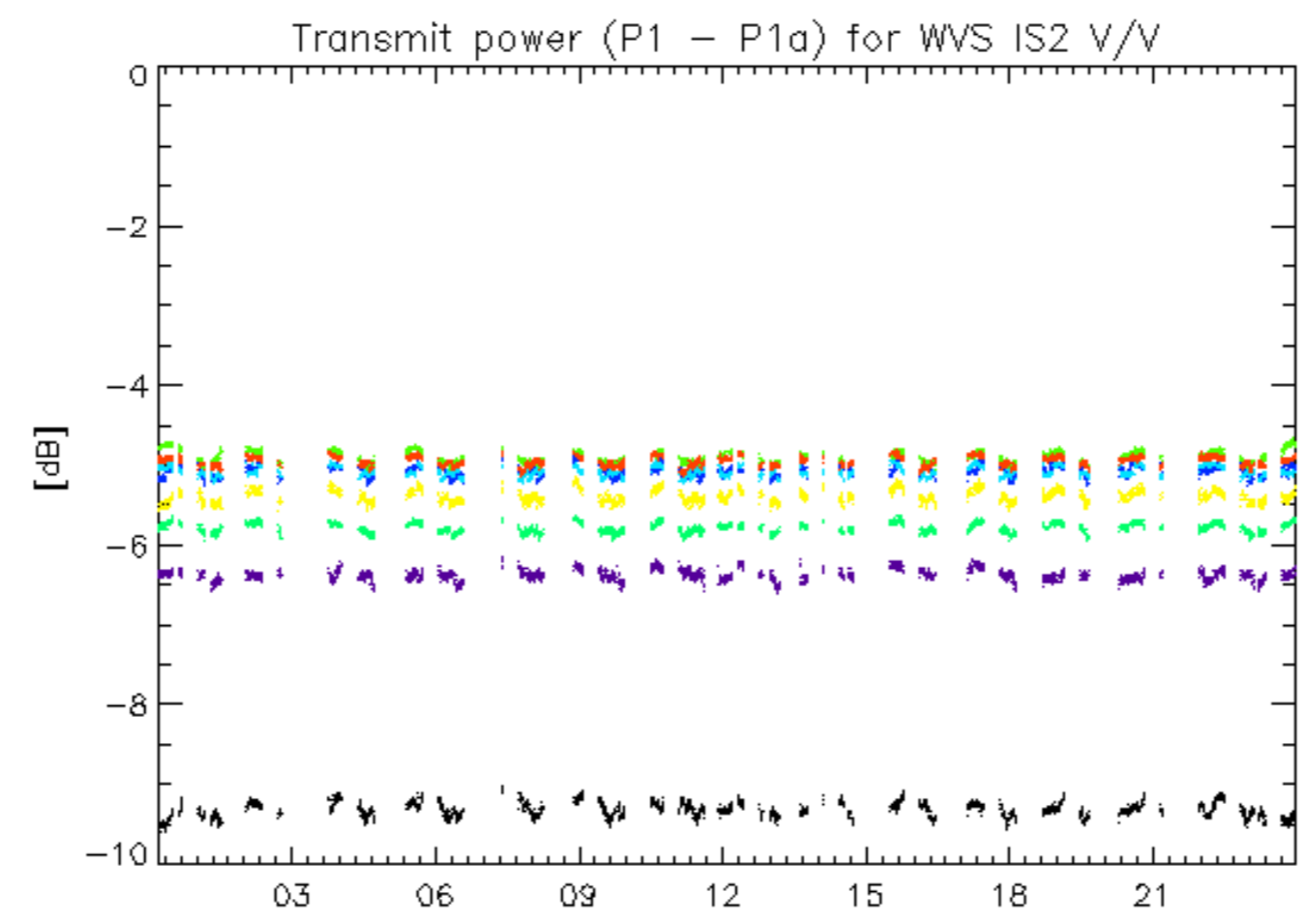


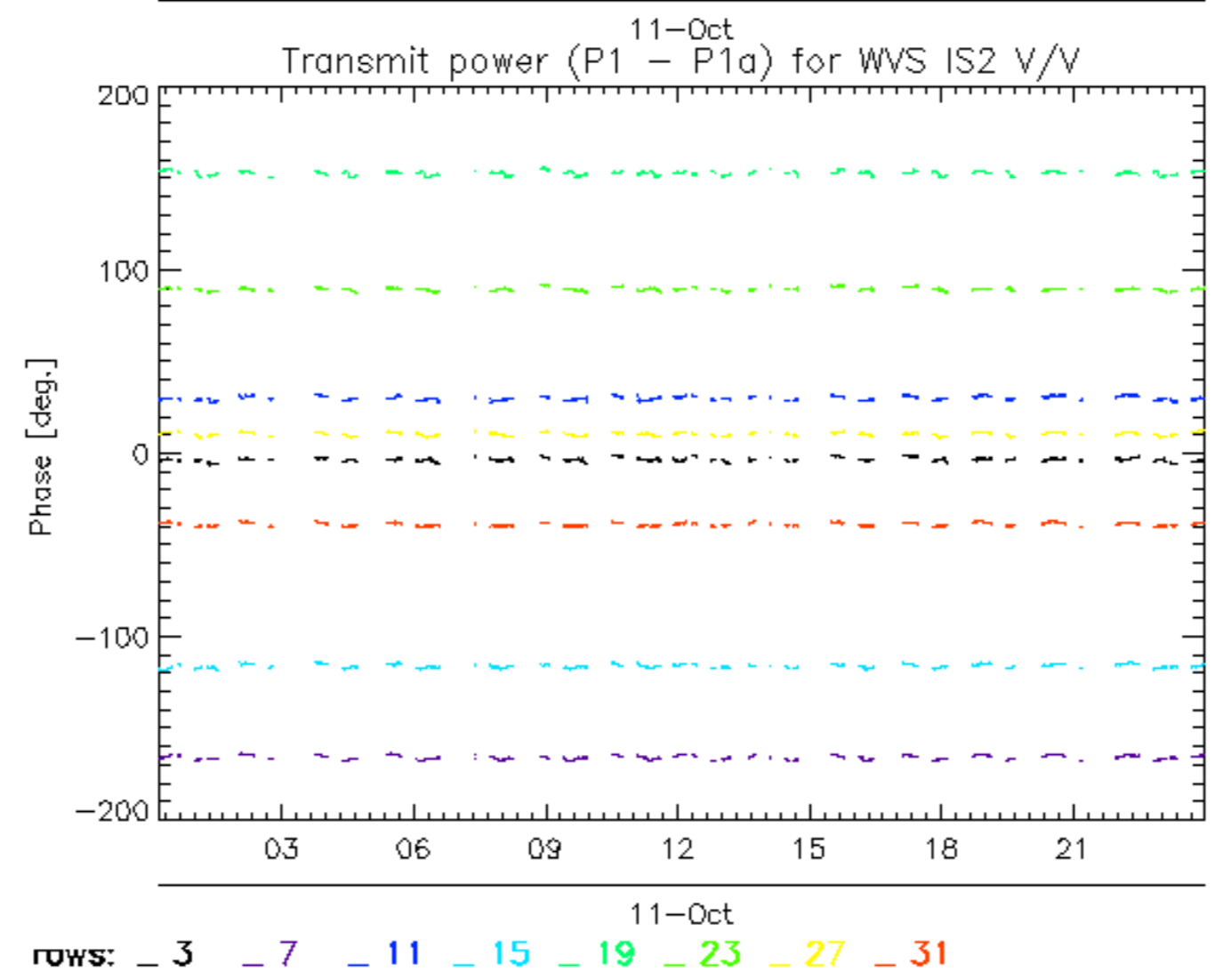
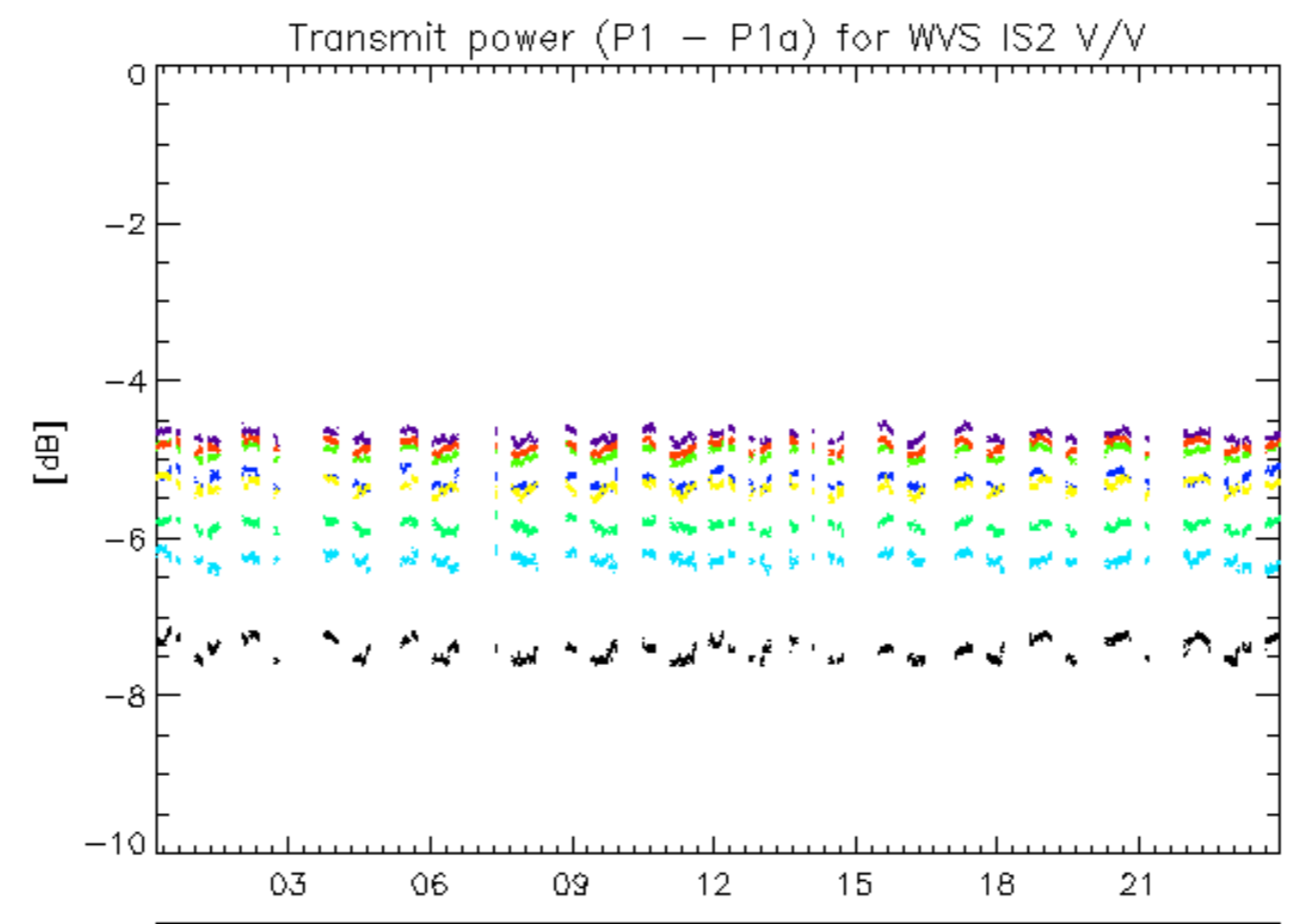


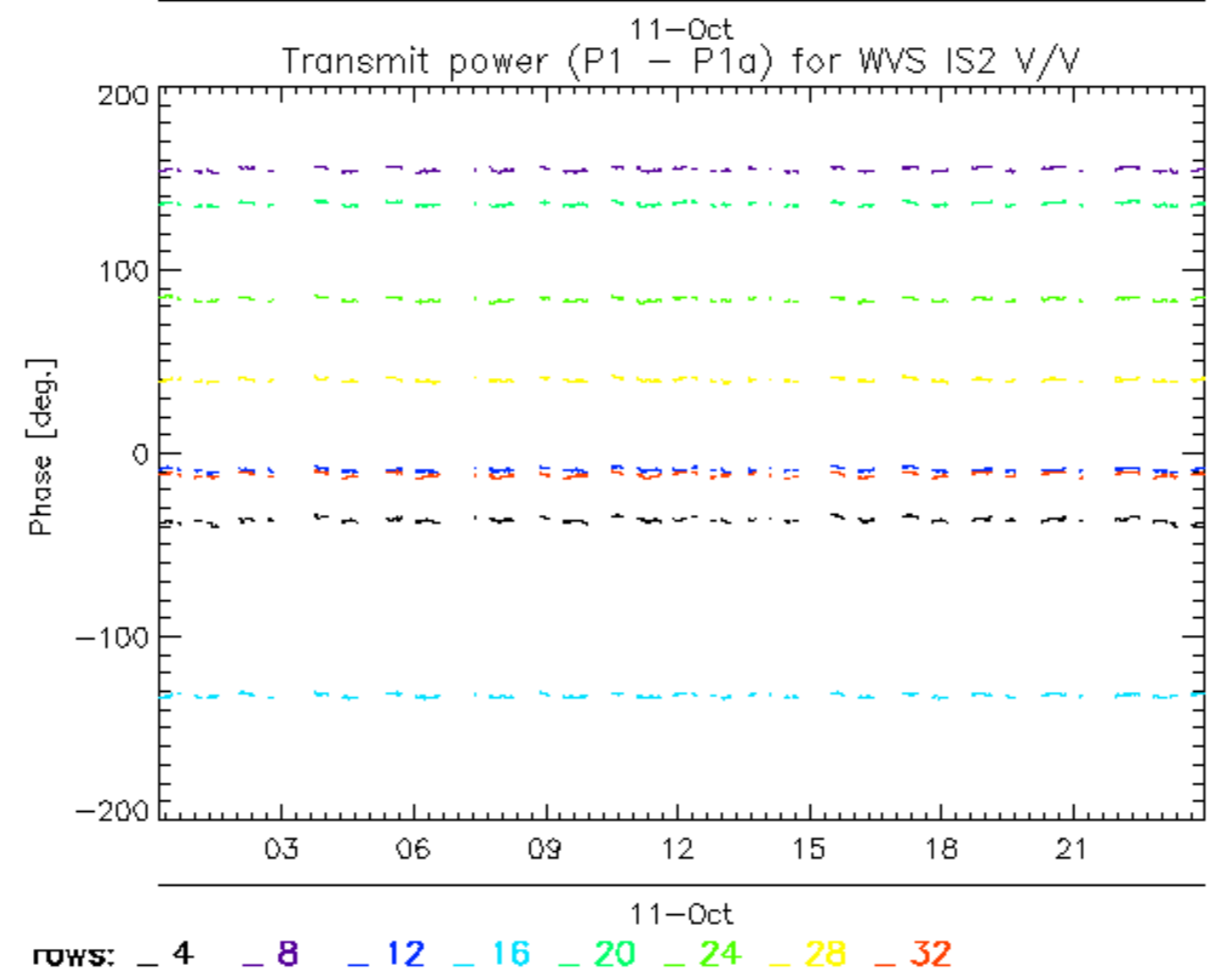
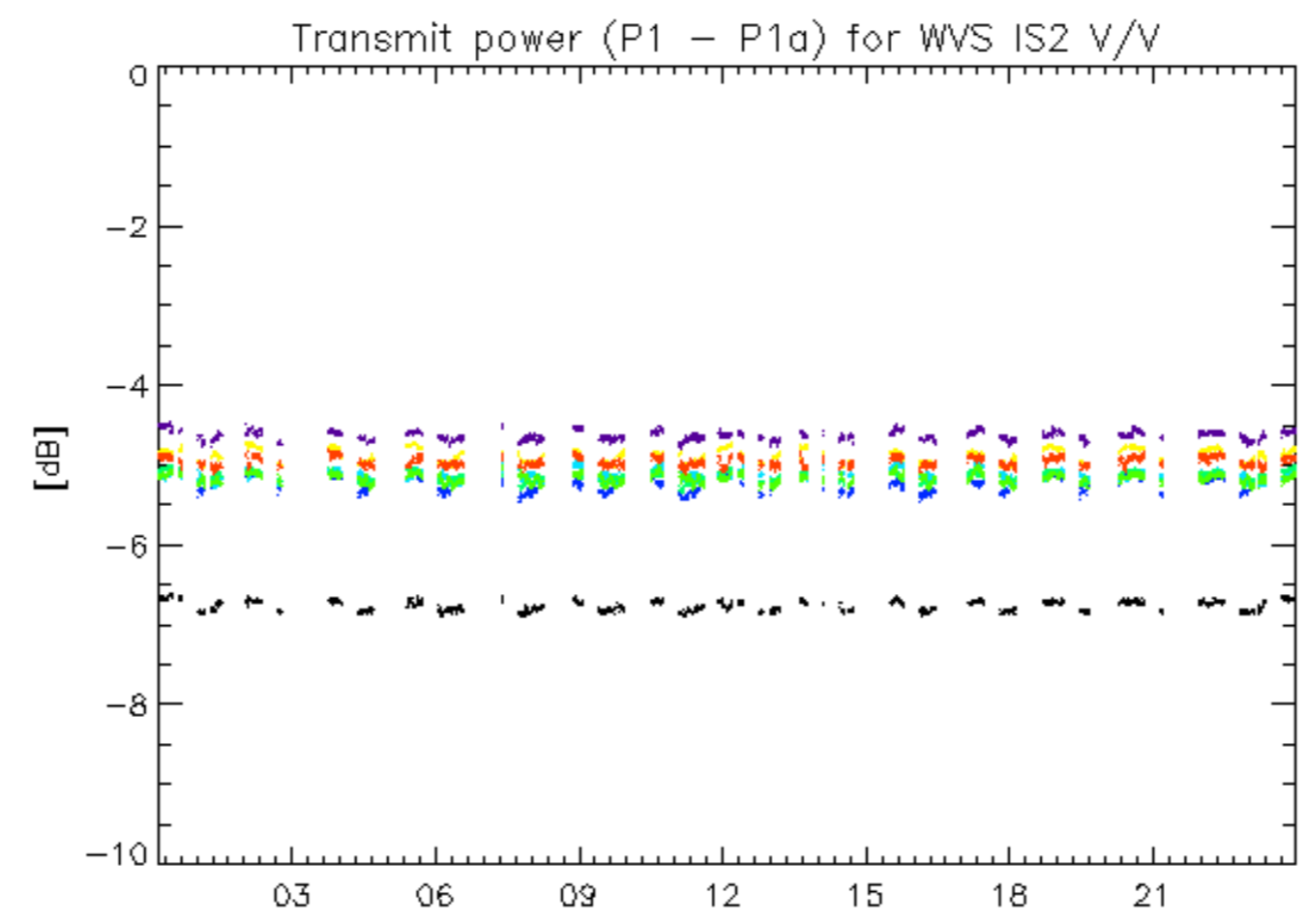


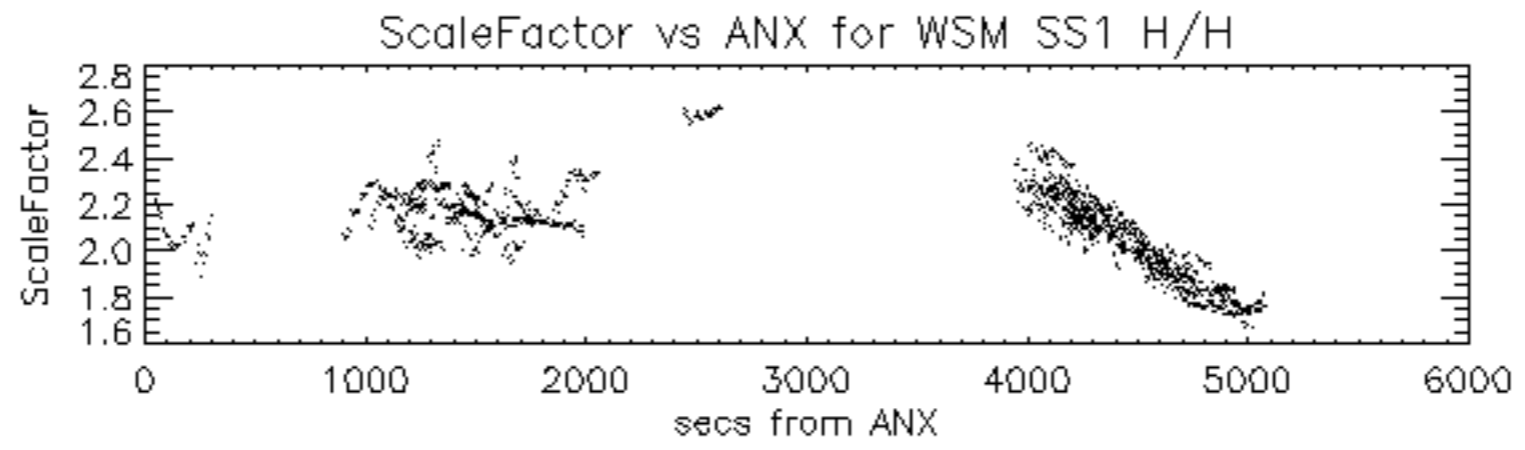
11-Oct
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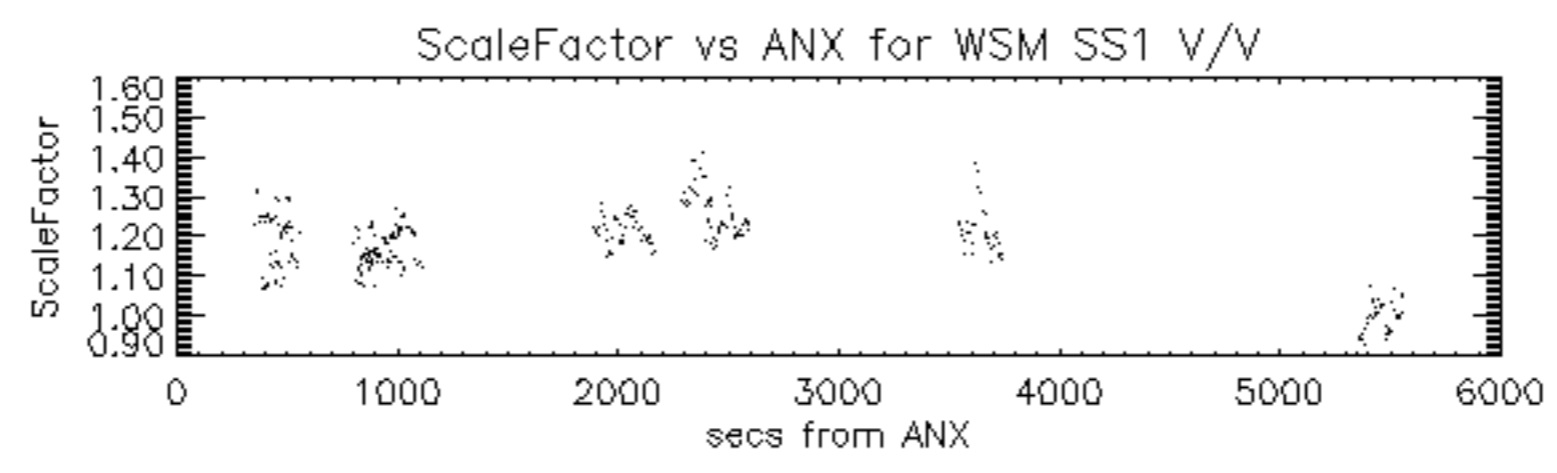


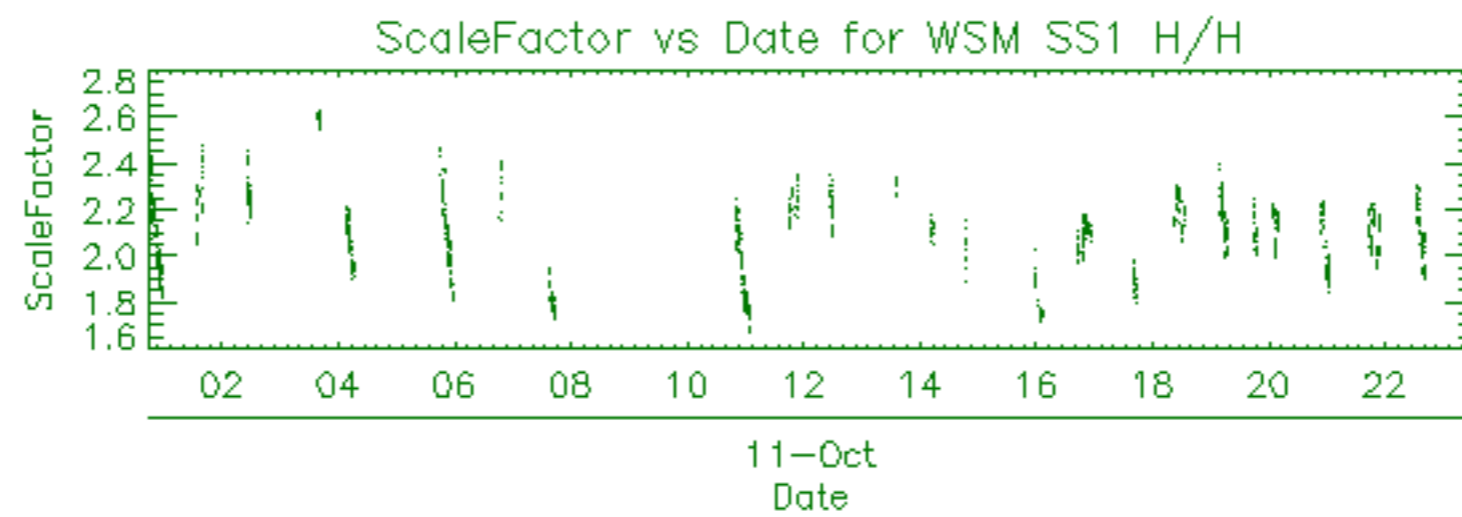


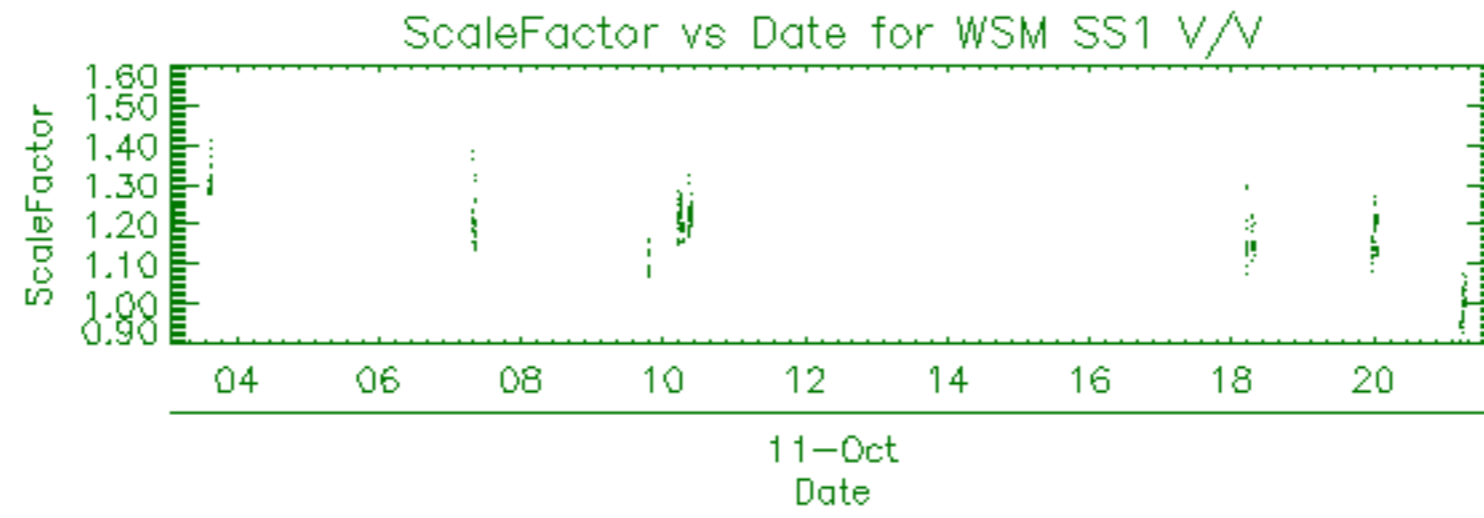












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20071011_020827_000000562062_00232_29344_9879.N1						IS2	V/H	62	29344	232	4.04
ASA_APM_1PNPDK20071011_131209_000003292062_00239_29351_0946.N1						IS1	H/V	62	29351	239	4.04

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20071010_235505_000010322062_00231_29343_9738.N1						SS1	H/H	62	29343	231	4.04
ASA_GM1_1PNPDE20071011_003113_000003382062_00231_29343_9663.N1						SS1	H/H	62	29343	231	4.04
ASA_GM1_1PNPDE20071011_004319_000000662062_00231_29343_9656.N1						SS1	H/H	62	29343	231	4.04
ASA_GM1_1PNPDE20071011_005959_000001322062_00231_29343_9654.N1						SS1	H/H	62	29343	231	4.04
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ASA_GM1_1PNPDE20071011_013626_000001262062_00232_29344_9786.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_014032_000009662062_00232_29344_9858.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_022355_000000902062_00232_29344_9945.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_023013_000007552062_00232_29344_9966.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_024718_000005012062_00232_29344_9949.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_025712_000002412062_00232_29344_9947.N1						SS1	H/H	62	29344	232	4.04
ASA_GM1_1PNPDE20071011_030858_000006102062_00233_29345_0003.N1						SS1	H/H	62	29345	233	4.04
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ASA_GM1_1PNPDE20071011_044318_000006702062_00234_29346_0319.N1						SS1	H/H	62	29346	234	4.04
ASA_GM1_1PNPDE20071011_044318_000006702062_00234_29346_0757.N1						SS1	H/H	62	29346	234	4.04
ASA_GM1_1PNPDE20071011_045552_000007492062_00234_29346_0329.N1						SS1	H/H	62	29346	234	4.04
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ASA_GM1_1PNPDE20071011_055846_000003142062_00234_29346_0539.N1						SS1	H/H	62	29346	234	4.04
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ASA_GM1_1PNPDK20071011_144828_000002292062_00240_29352_0974.N1						SS1	H/H	62	29352	240	4.04
ASA_GM1_1PNPDK20071011_145341_000004592062_00240_29352_0978.N1						SS1	H/H	62	29352	240	4.04
ASA_GM1_1PNPDK20071011_150359_000000662062_00240_29352_0976.N1						SS1	H/H	62	29352	240	4.04
ASA_GM1_1PNPDK20071011_150645_000007972062_00240_29352_1077.N1						SS1	H/H	62	29352	240	4.04
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ASA_GM1_1PNPDK20071011_172919_000006222062_00241_29353_1206.N1						SS1	H/H	62	29353	241	4.04

ASA_GM1_1PNPDK20071011_174325_000002892062_00241_29353_1211.N1	SS1	H/H	62	29353	241	4.04
ASA_GM1_1PNPDK20071011_180913_000001202062_00242_29354_1213.N1	SS1	H/H	62	29354	242	4.04
ASA_GM1_1PNPDK20071011_181326_000001932062_00242_29354_1215.N1	SS1	H/H	62	29354	242	4.04
ASA_GM1_1PNPDK20071011_181922_000001502062_00242_29354_1225.N1	SS1	H/H	62	29354	242	4.04
ASA_GM1_1PNPDK20071011_182112_000000962062_00242_29354_1322.N1	SS1	H/H	62	29354	242	4.04
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ASA_GM1_1PNPDE20071011_210740_000001082062_00243_29355_1028.N1	SS1	H/H	62	29355	243	4.04
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ASA_GM1_1PNPDE20071011_224246_000004342062_00244_29356_1059.N1	SS1	H/H	62	29356	244	4.04
ASA_GM1_1PNPDE20071011_230741_000002532062_00245_29357_1181.N1	SS1	H/H	62	29357	245	4.04
ASA_GM1_1PNPDE20071011_233112_000006342062_00245_29357_1190.N1	SS1	H/H	62	29357	245	4.04
ASA_GM1_1PNPDE20071011_235929_000004042062_00245_29357_1186.N1	SS1	H/H	62	29357	245	4.04

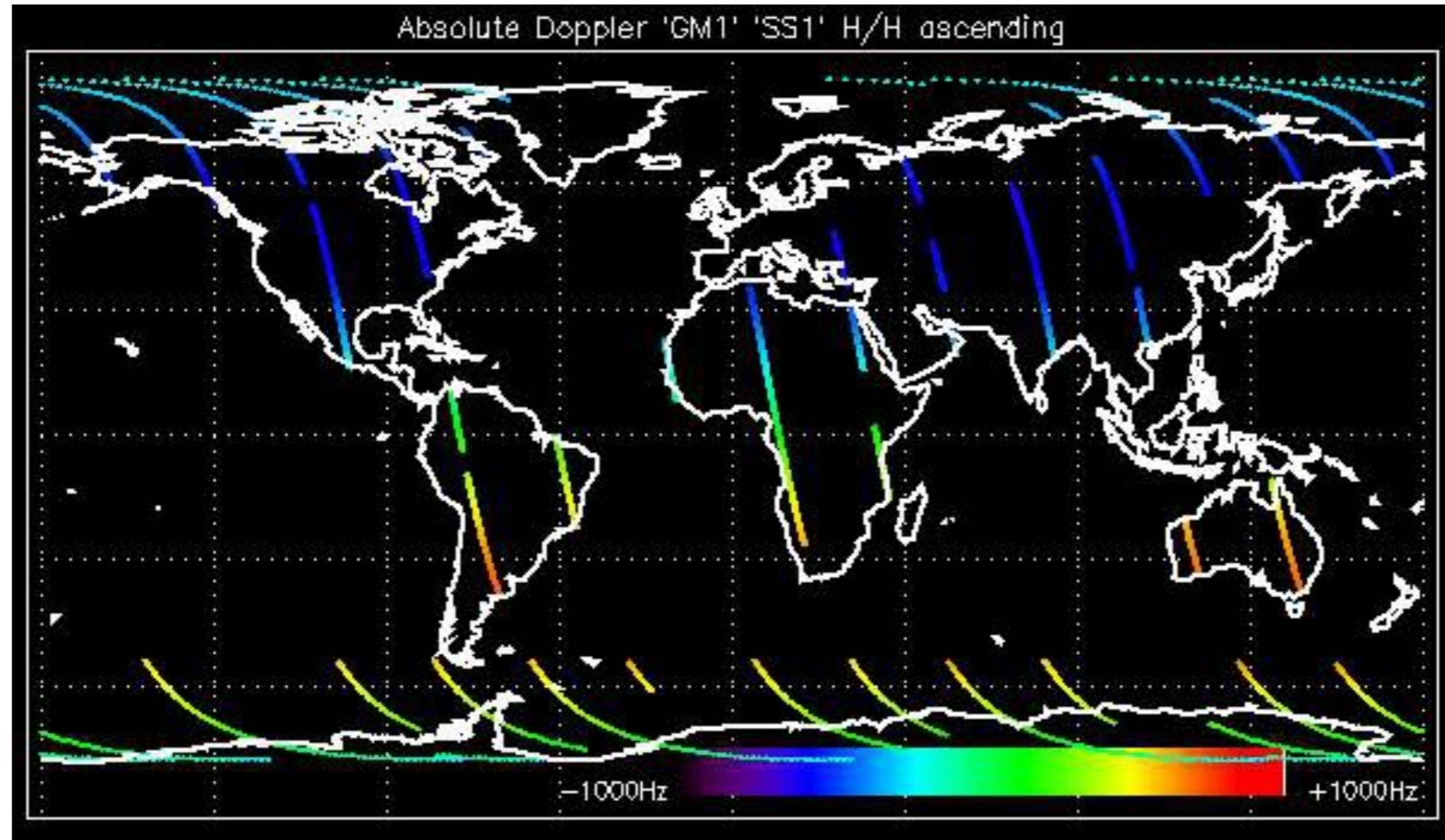
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_IMM_1PNPDE20071011_015641_000000642062_00232_29344_9893.N1						IS6	V/V	62	29344	232	4.04
ASA_IMM_1PNPDE20071011_015752_000000562062_00232_29344_9865.N1						IS3	V/V	62	29344	232	4.04
ASA_IMM_1PNPDE20071011_015907_000000922062_00232_29344_9895.N1						IS2	V/V	62	29344	232	4.04
ASA_IMM_1PNPDE20071011_020054_000000802062_00232_29344_9897.N1						IS2	V/V	62	29344	232	4.04
ASA_IMM_1PNPDE20071011_025540_000000752062_00232_29344_9942.N1						IS1	V/V	62	29344	232	4.04
ASA_IMM_1PNPDE20071011_031906_000000382062_00233_29345_9960.N1						IS4	V/V	62	29345	233	4.04
ASA_IMM_1PNPDE20071011_034439_000000812062_00233_29345_9980.N1						IS2	V/V	62	29345	233	4.04
ASA_IMM_1PNPDE20071011_045429_000000652062_00234_29346_0206.N1						IS2	V/V	62	29346	234	4.04
ASA_IMM_1PNPDE20071011_050819_000001422062_00234_29346_0331.N1						IS2	V/V	62	29346	234	4.04
ASA_IMM_1PNPDE20071011_050819_000001422062_00234_29346_0363.N1						IS2	V/V	62	29346	234	4.04
ASA_IMM_1PNPDE20071011_051641_000001992062_00234_29346_0365.N1						IS2	V/V	62	29346	234	4.04
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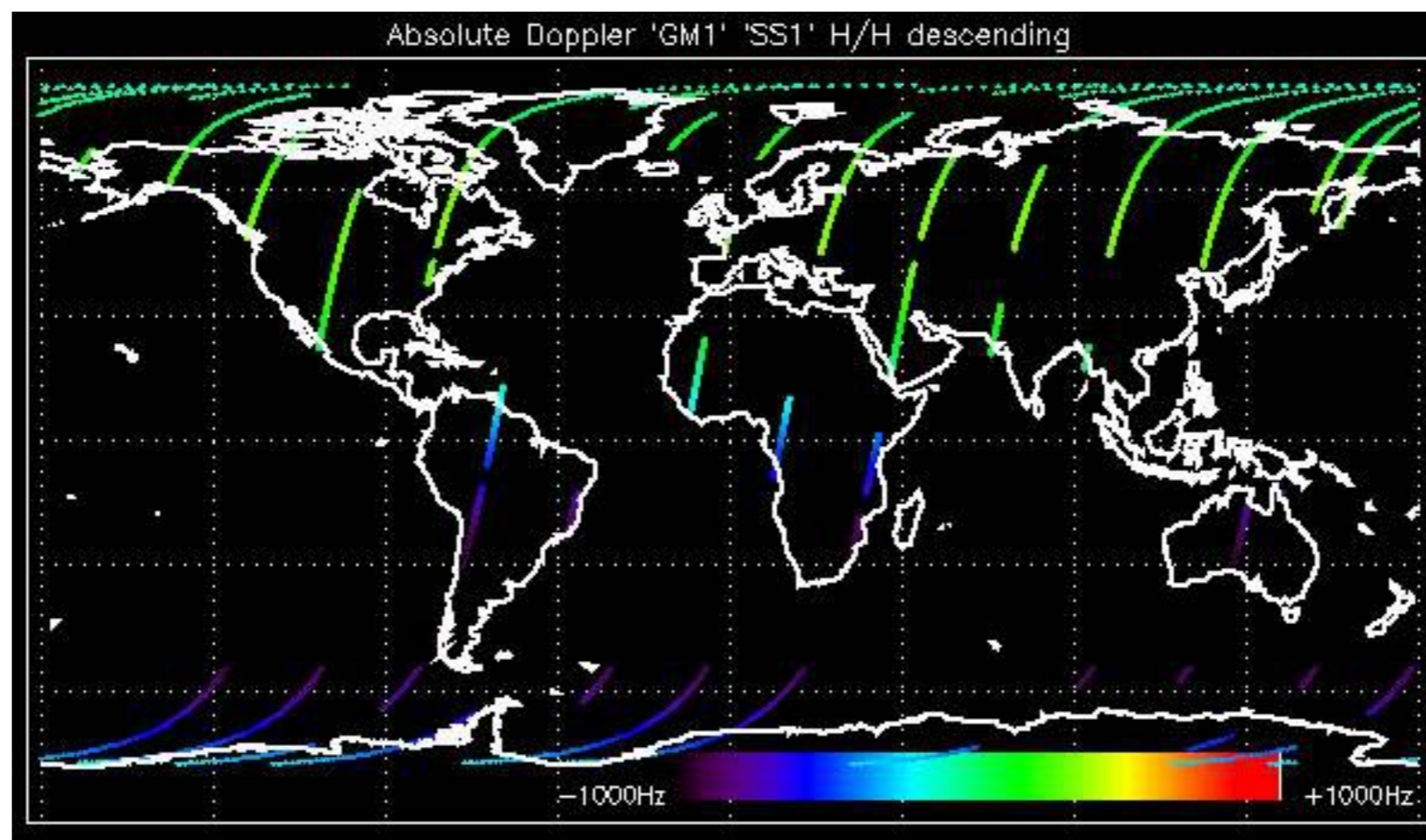
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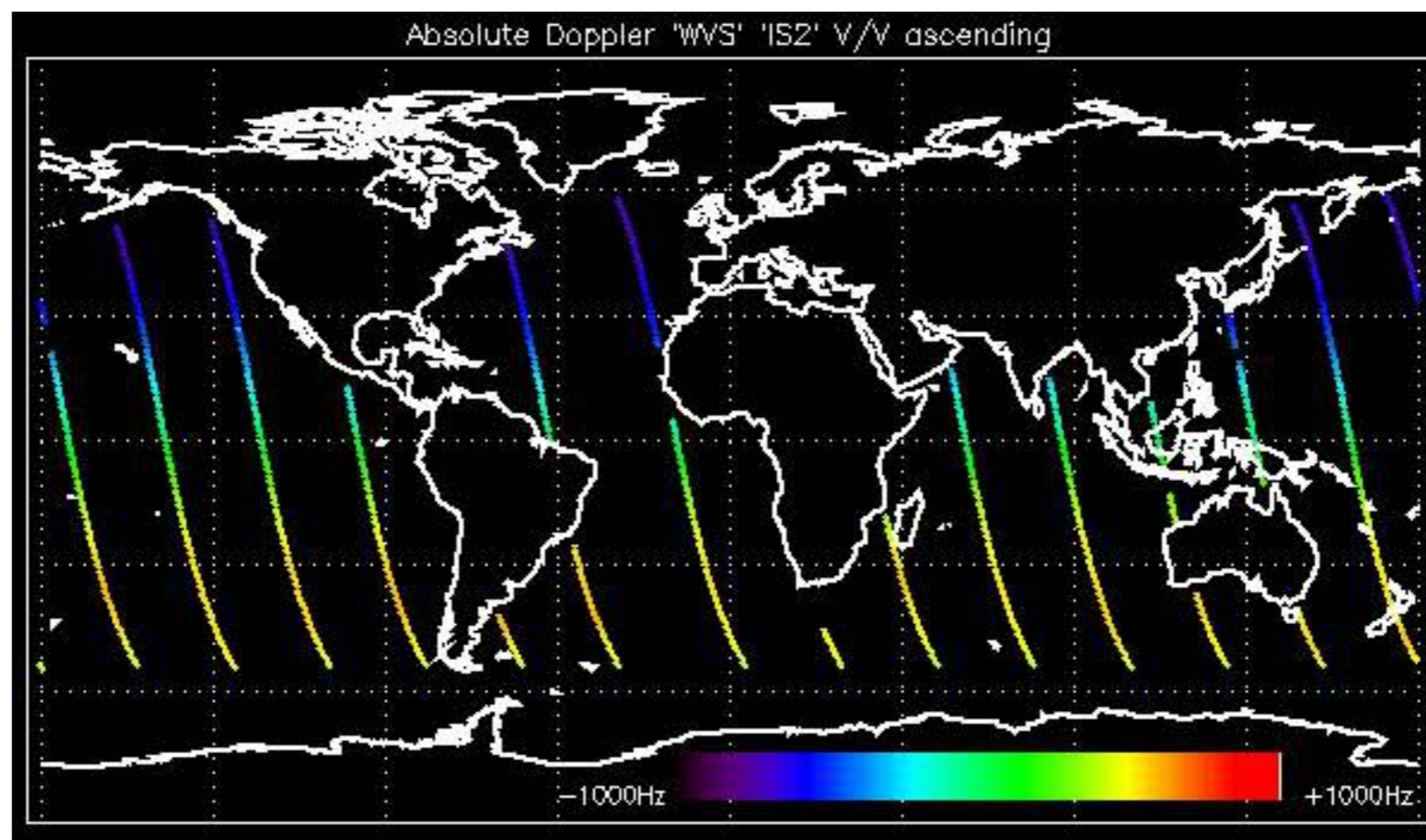


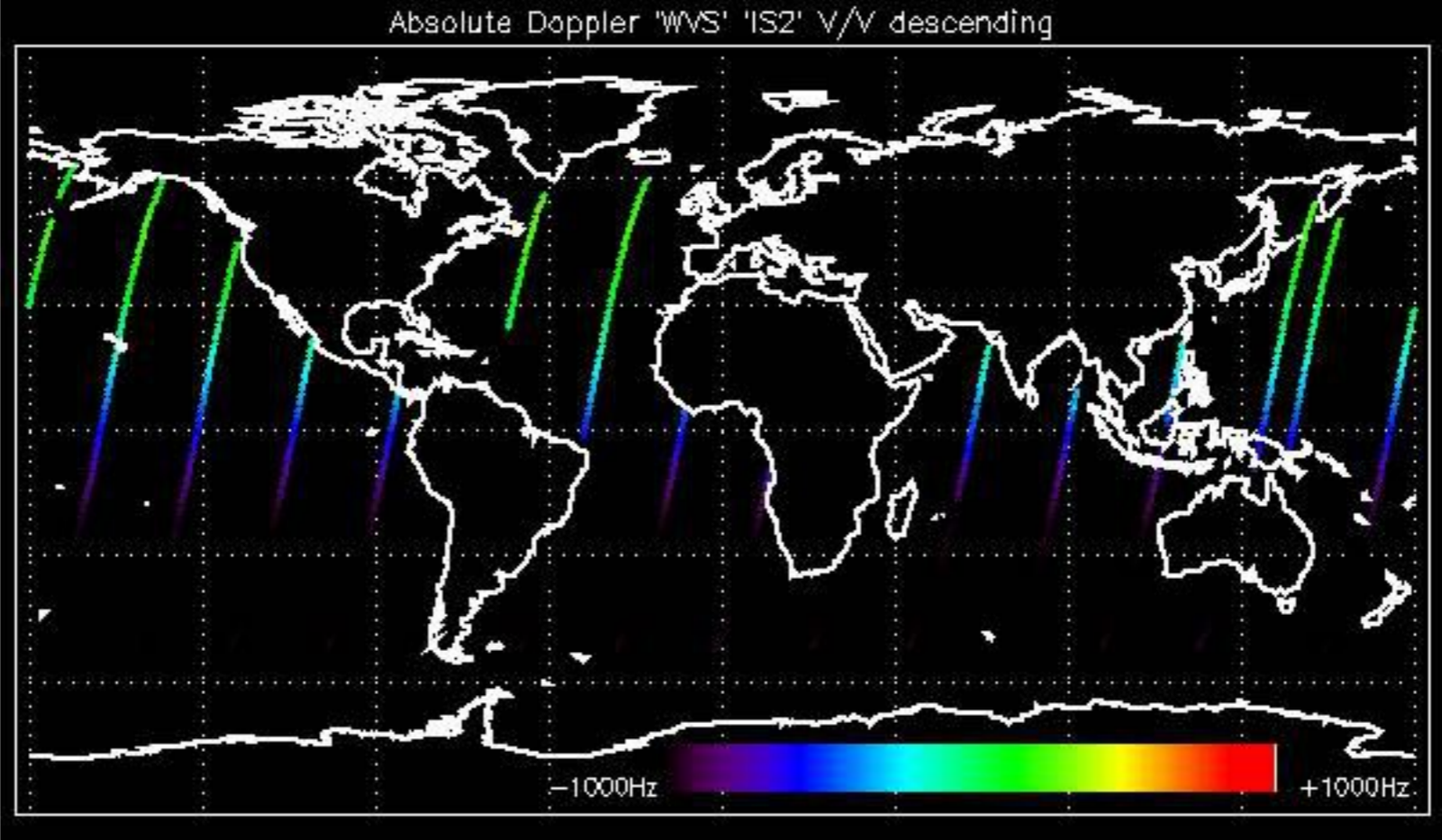
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ASA_WSM_1PNPDE20071011_022539_000002612062_00232_29344_9930.N1						SS1	H/H	62	29344	232	4.04
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ASA_WSM_1PNPDE20071011_033635_000001472062_00233_29345_0649.N1						SS1	V/V	62	29345	233	4.04
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ASA_WSM_1PNPDE20071011_041337_000001462062_00233_29345_0317.N1						SS1	H/H	62	29345	233	4.04
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ASA_WSM_1PNPDE20071011_071842_000002132062_00235_29347_0621.N1						SS1	V/V	62	29347	235	4.04
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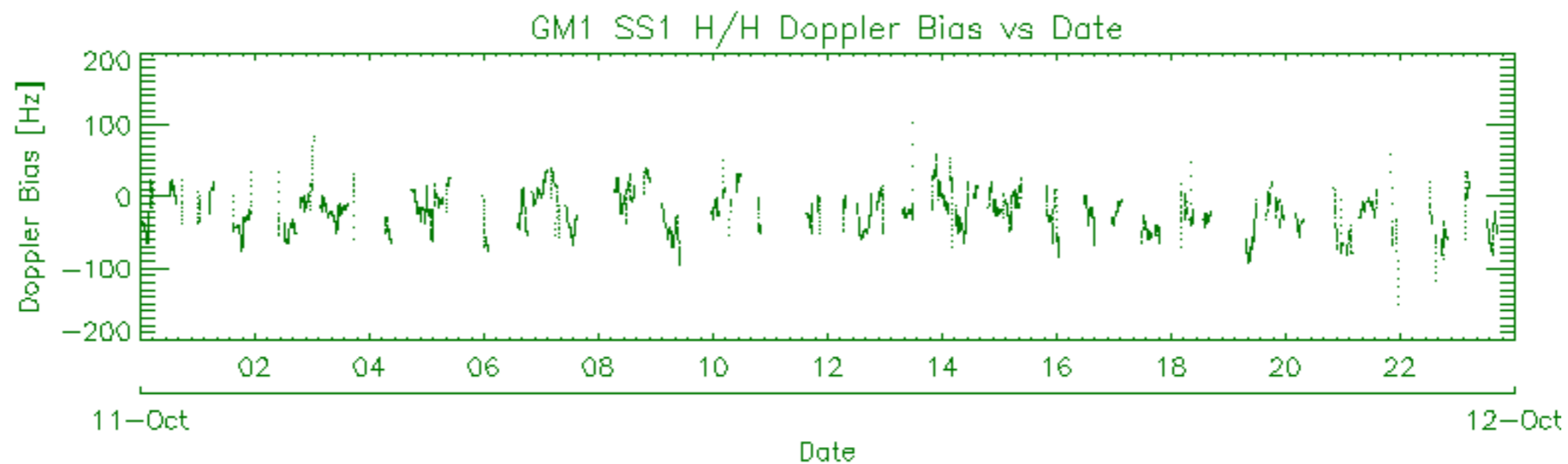
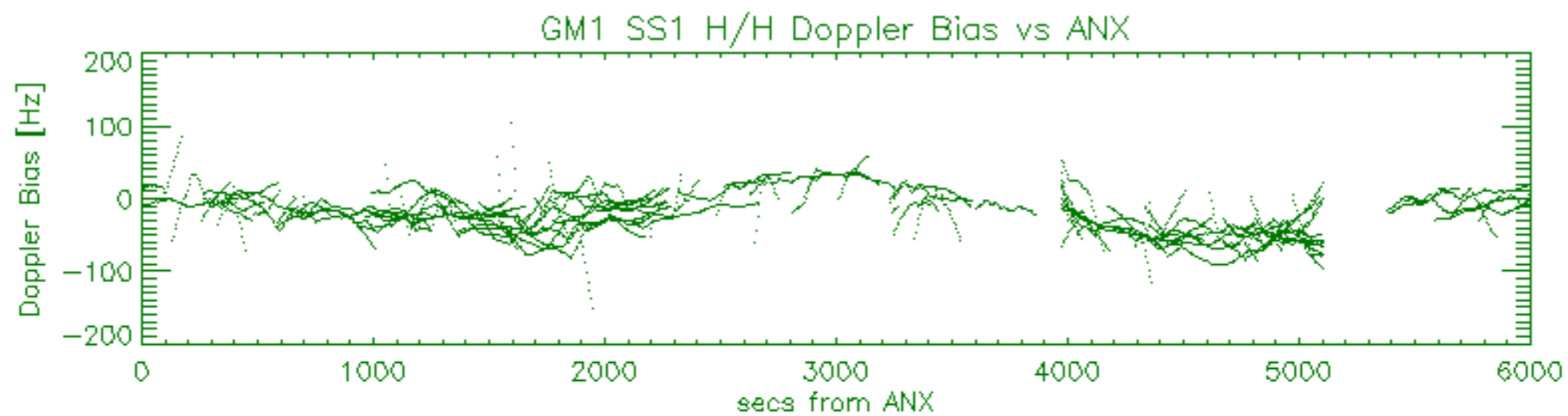
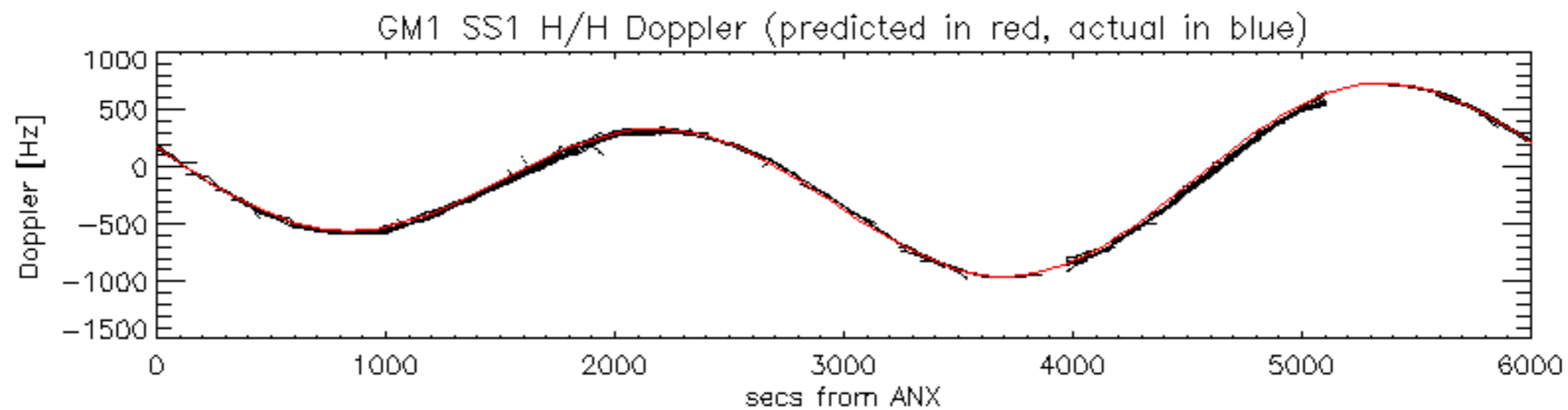
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ASA_WVS_1PNPDK20071011_092516_000012742062_00236_29348_0567.N1						IS2	V/V	62	29348	236	4.04
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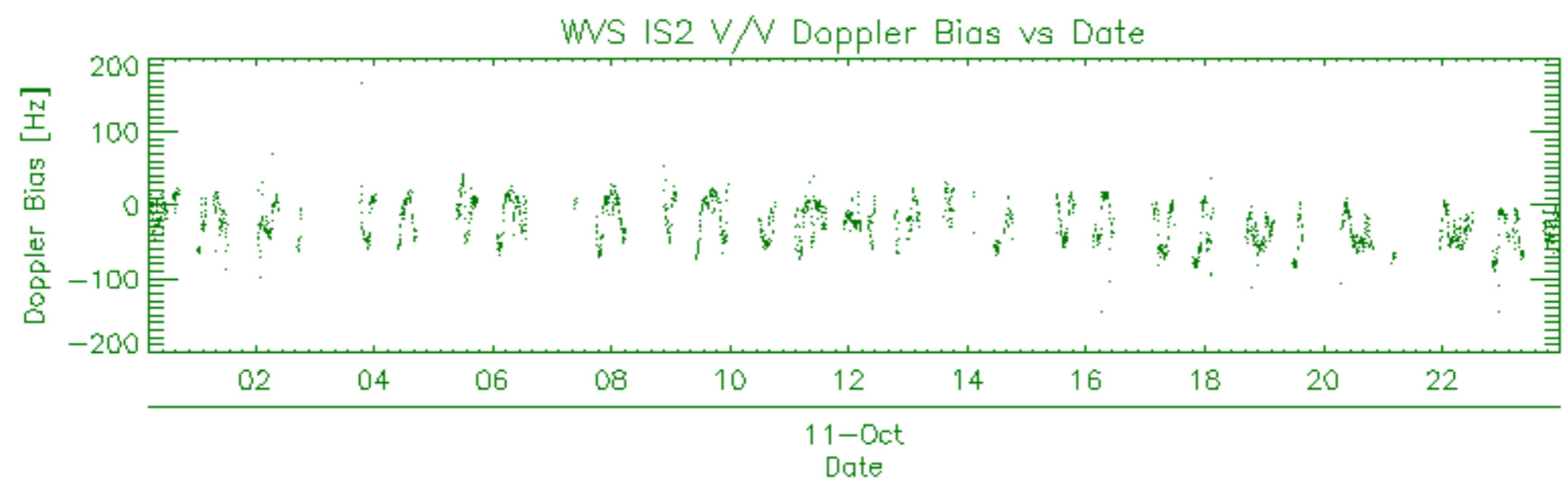
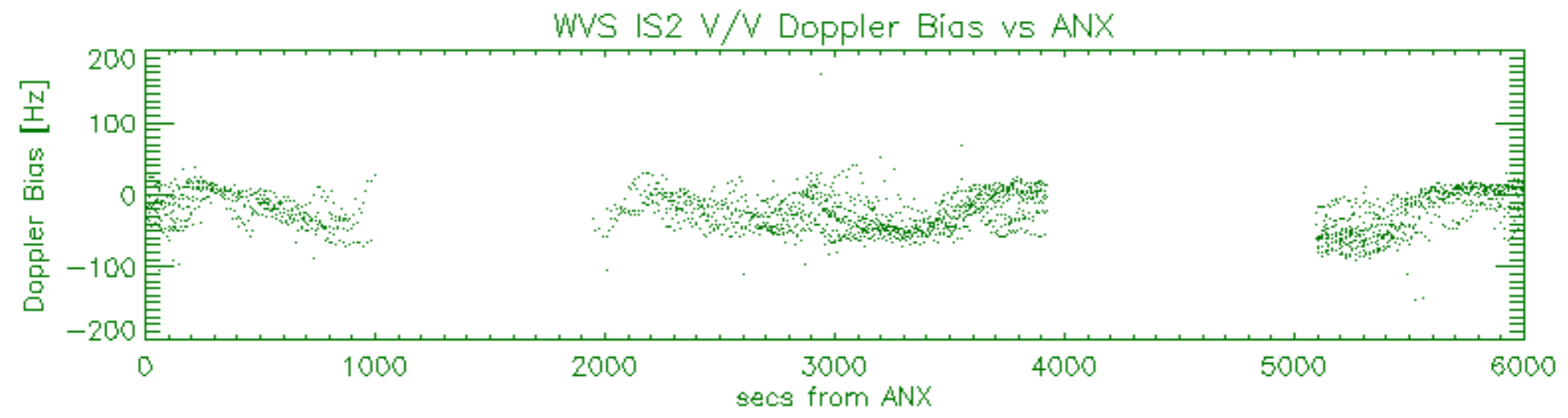
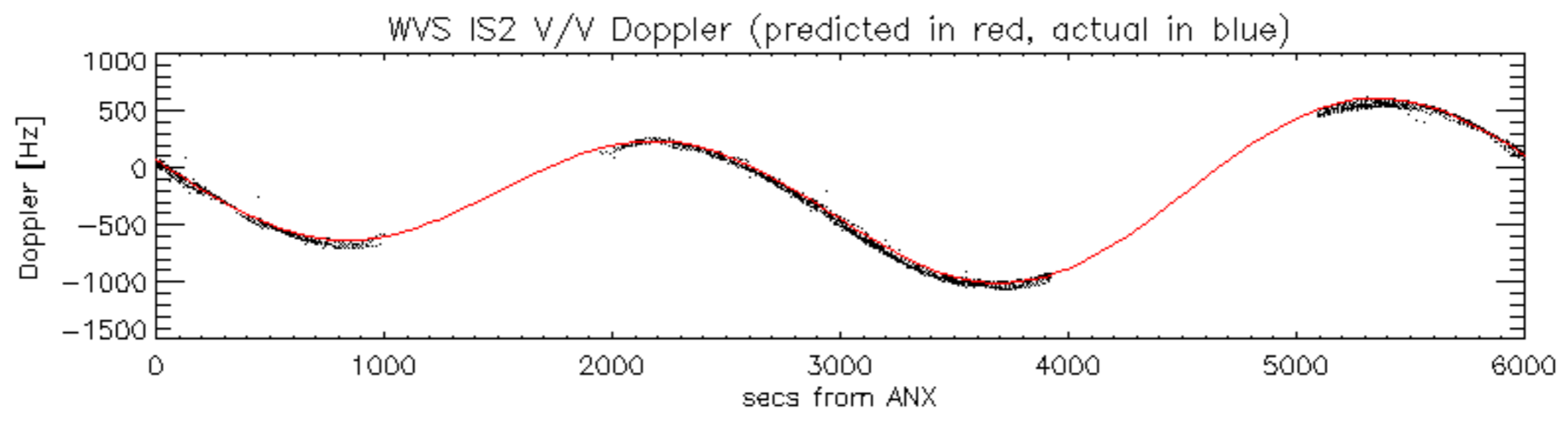


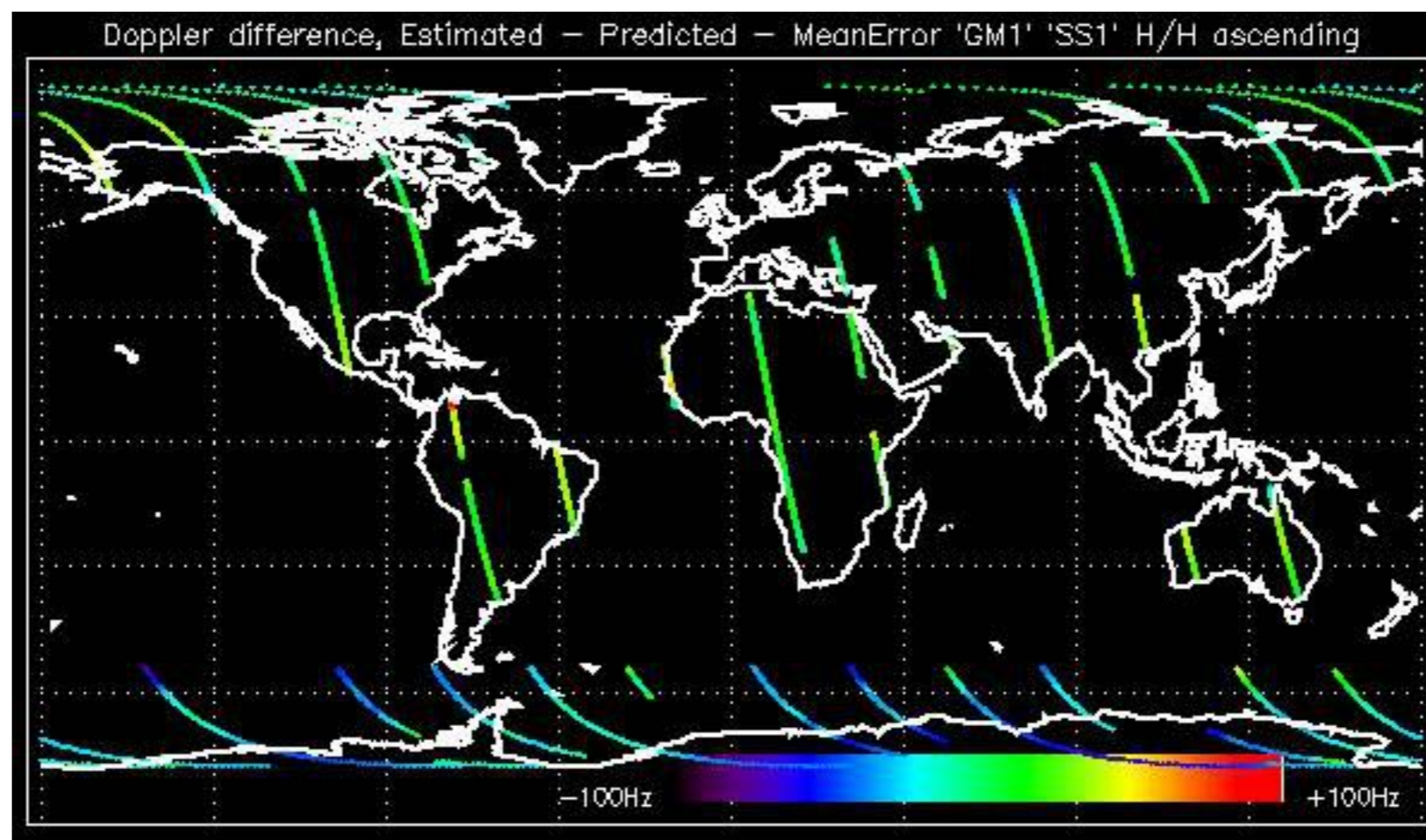


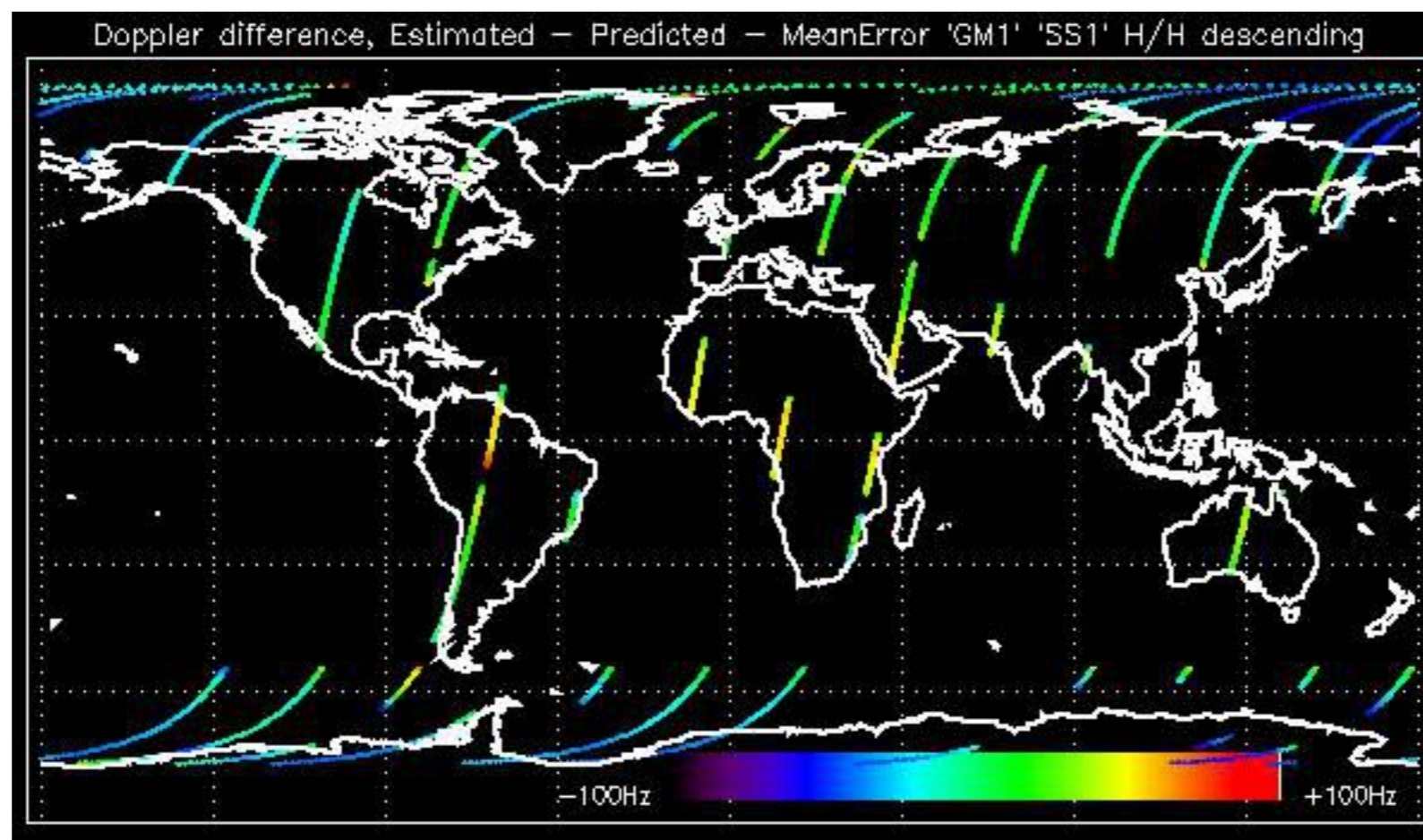


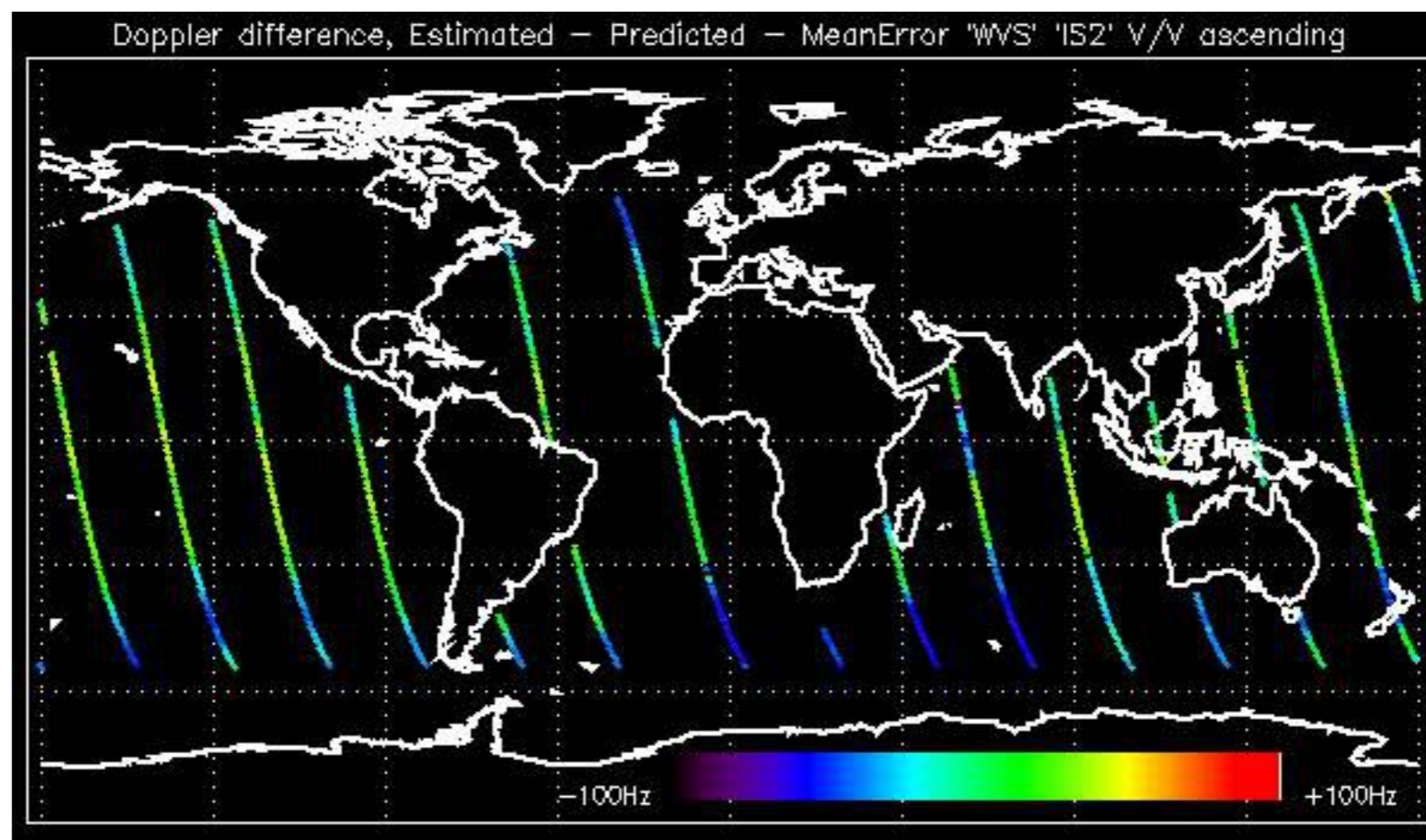


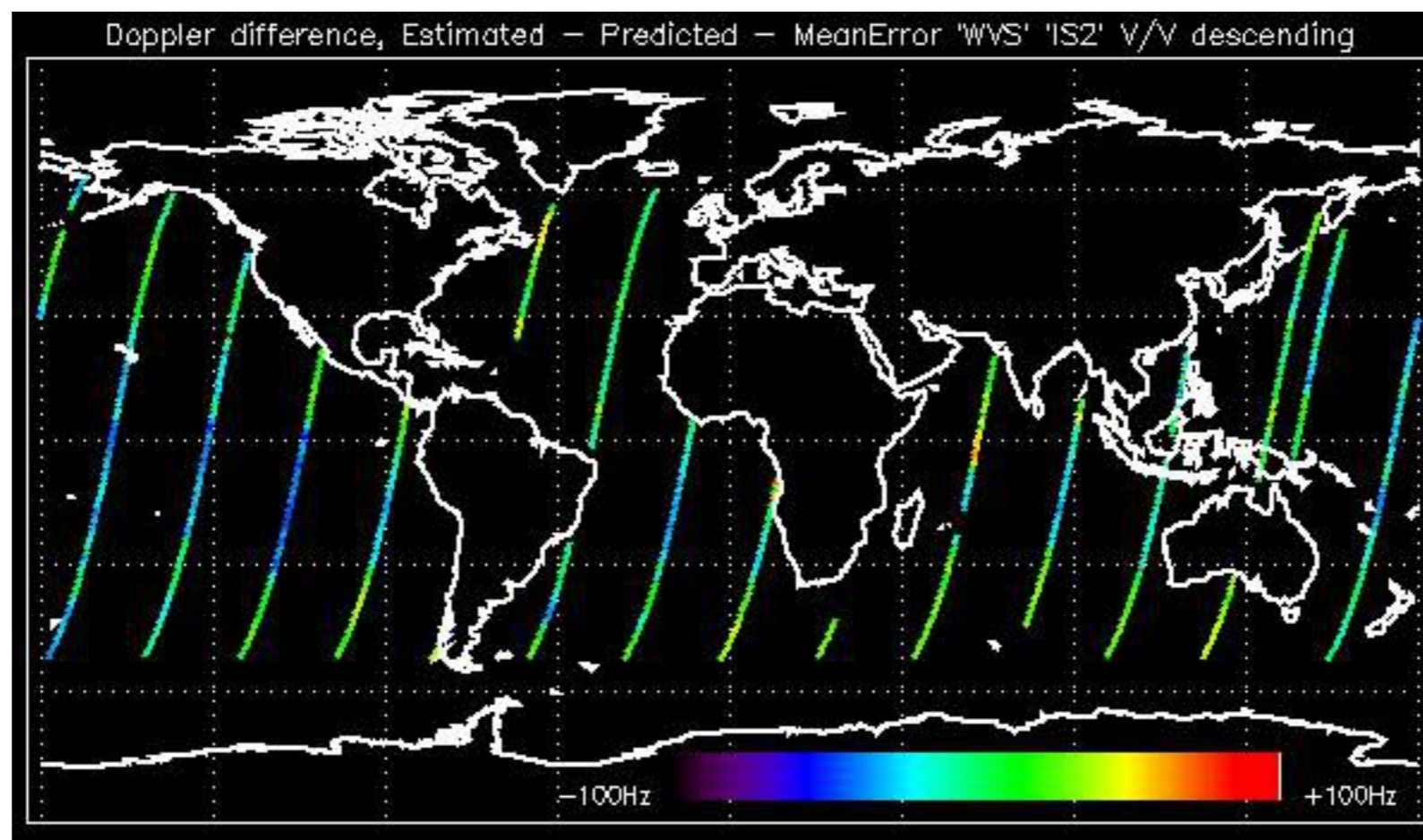


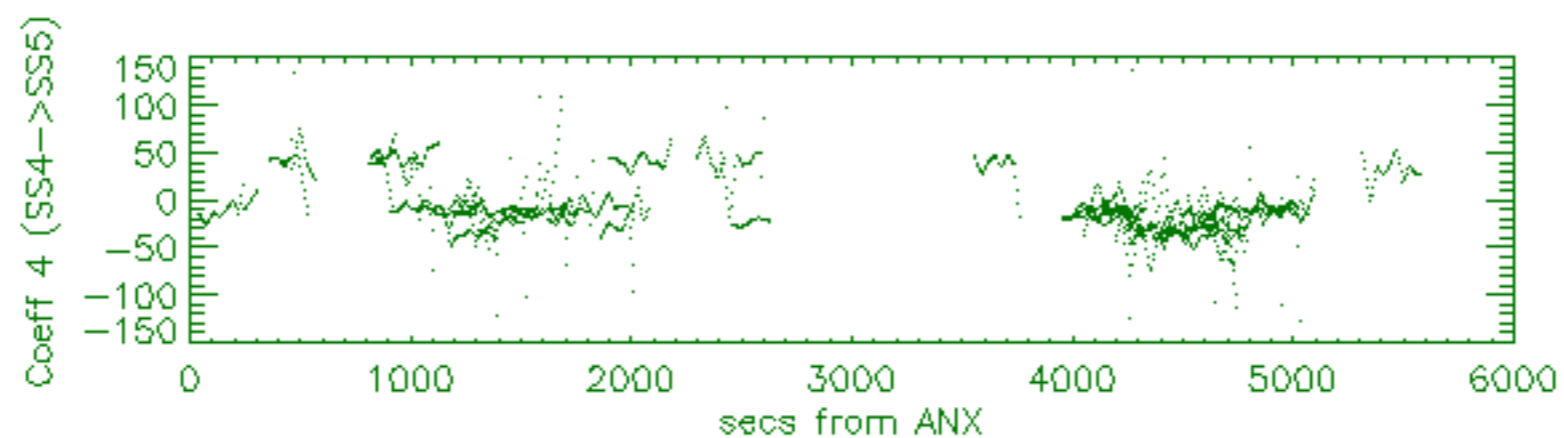
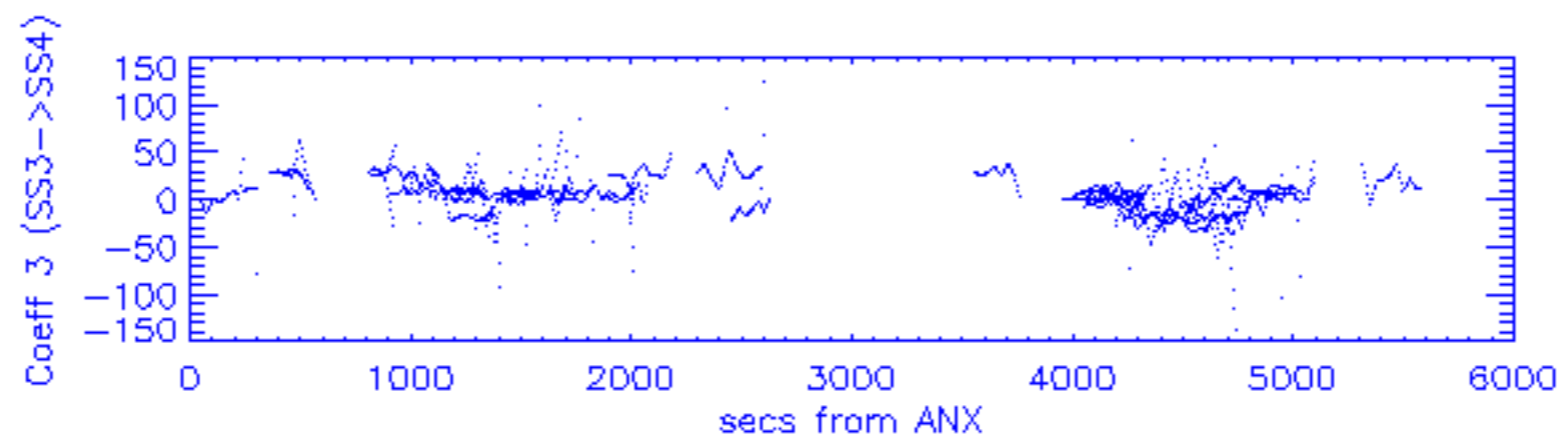
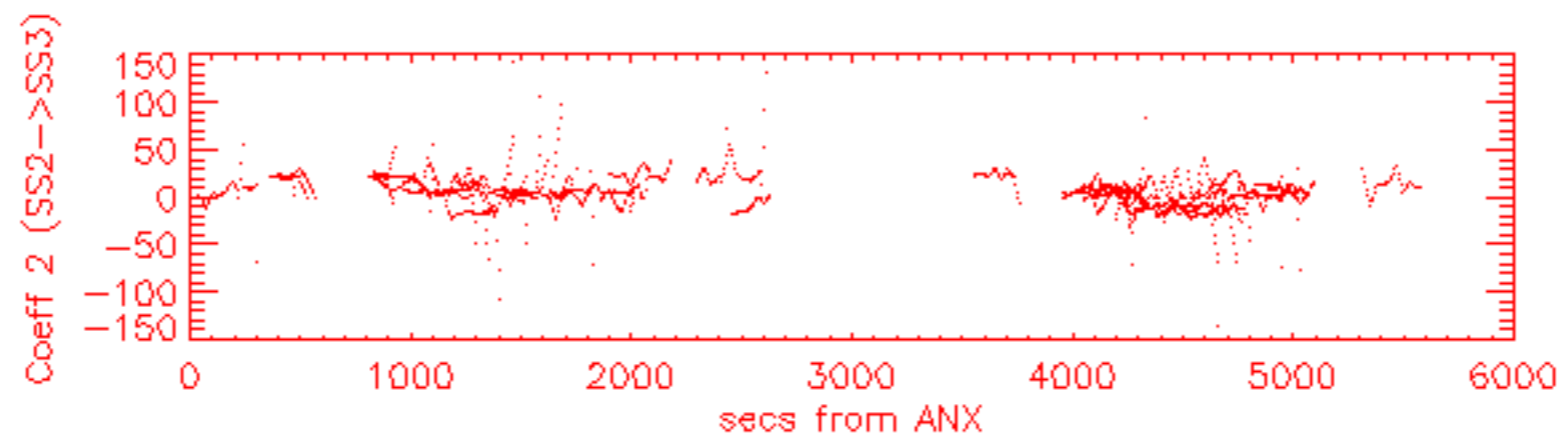
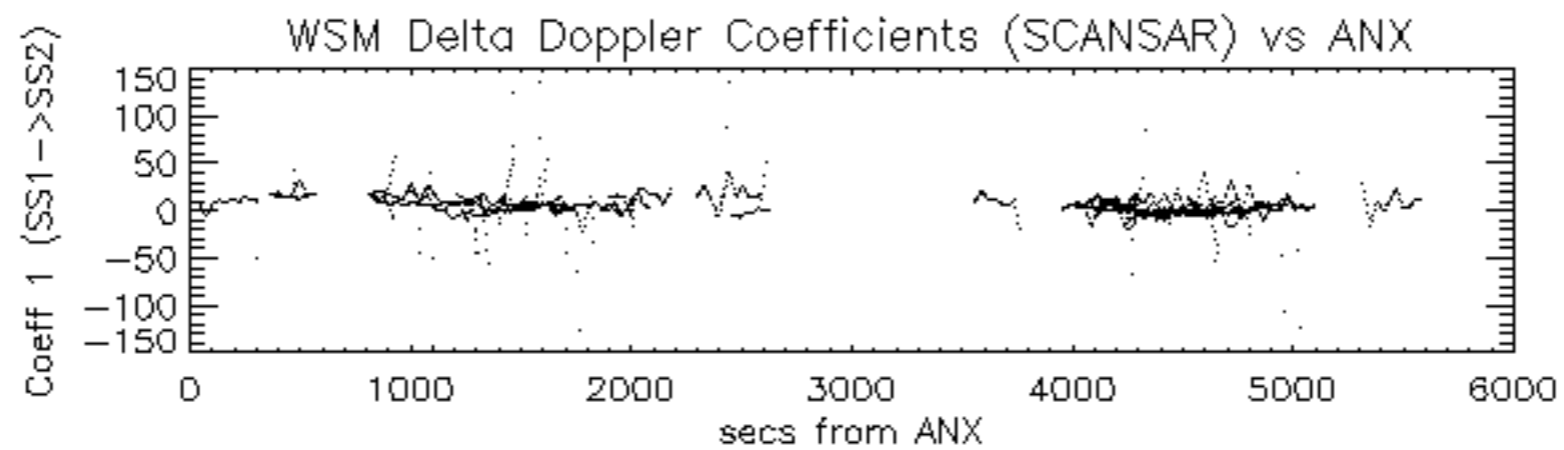


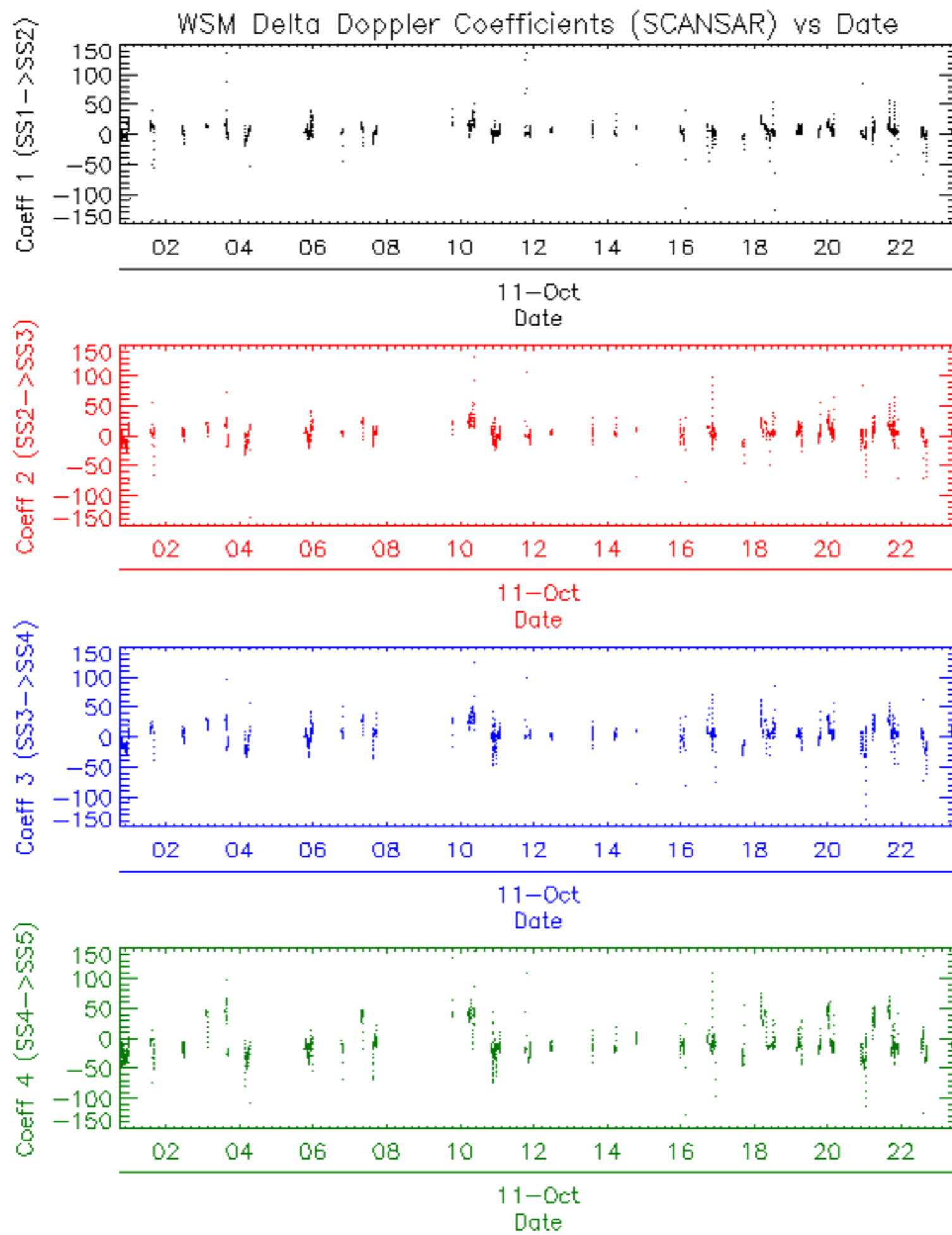


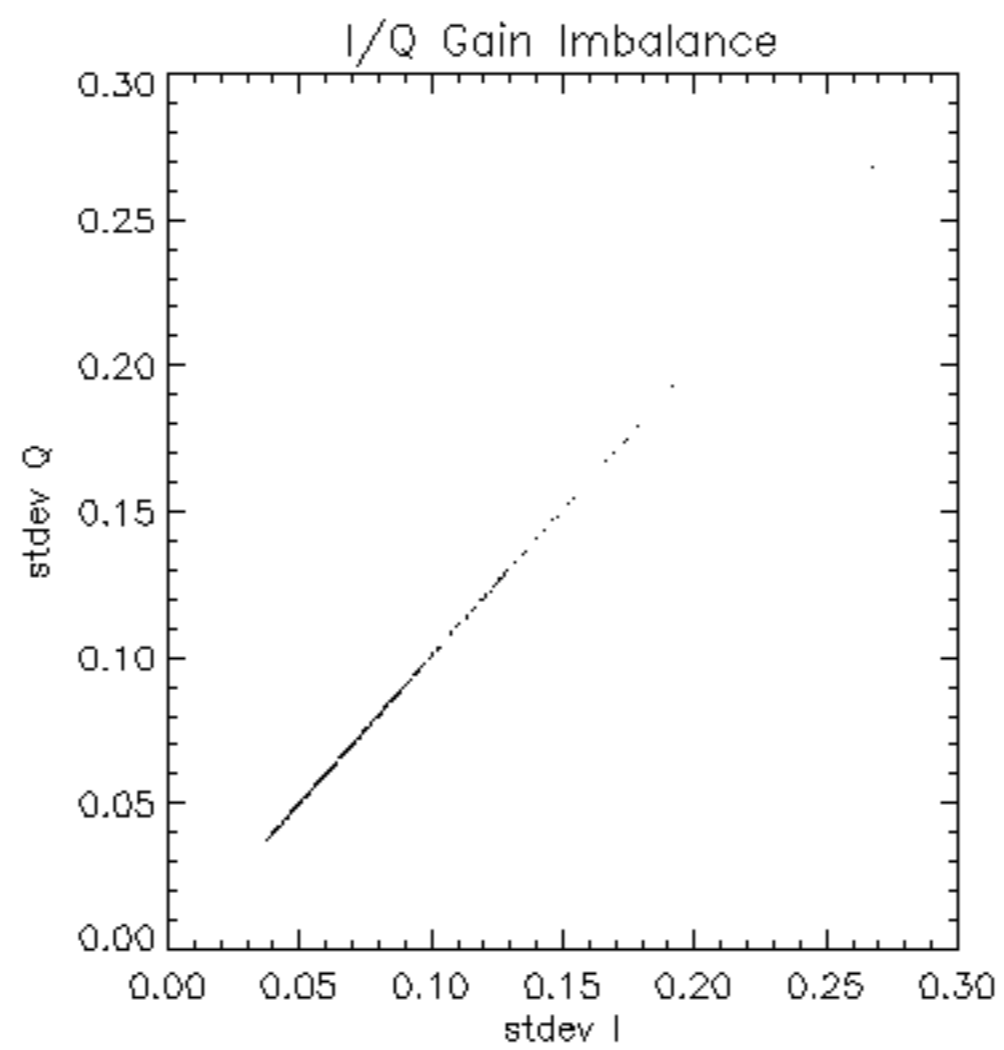


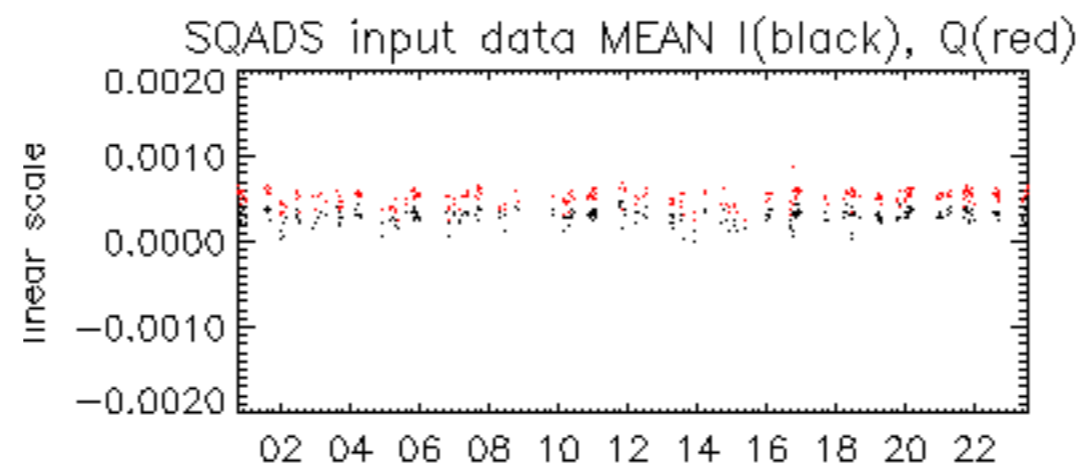




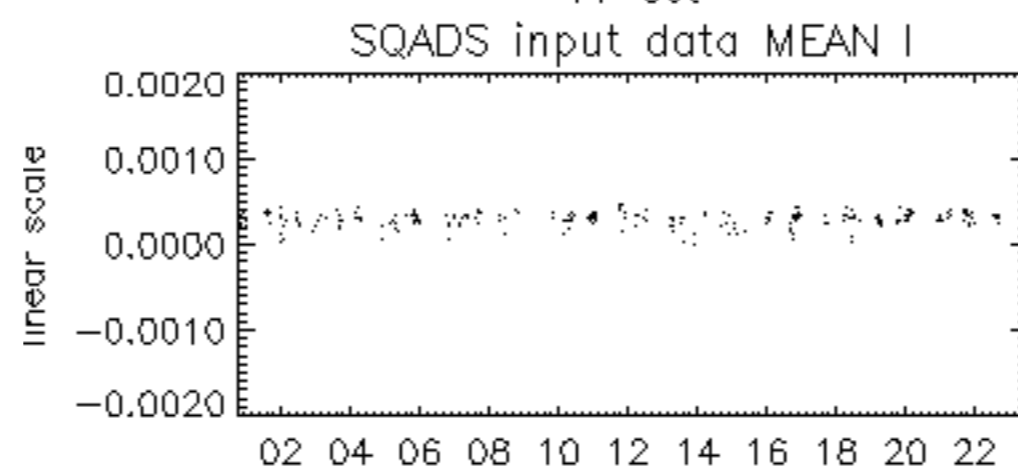




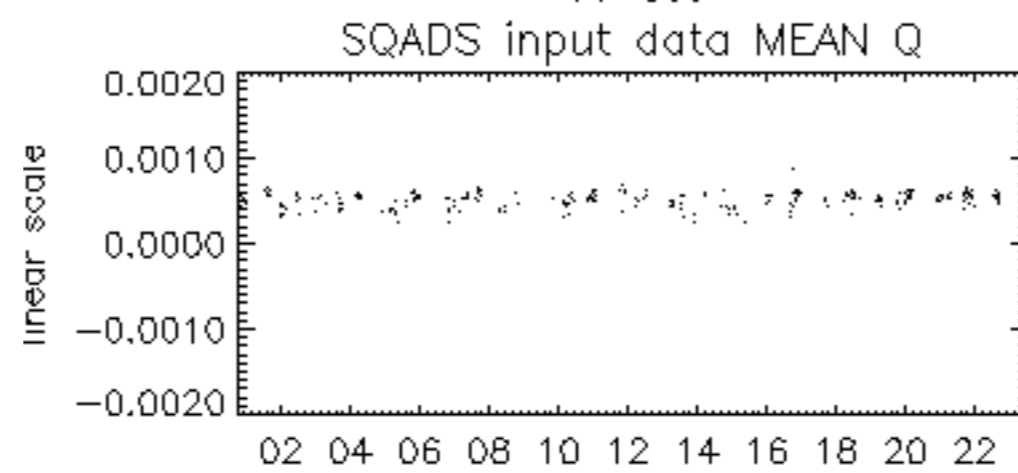




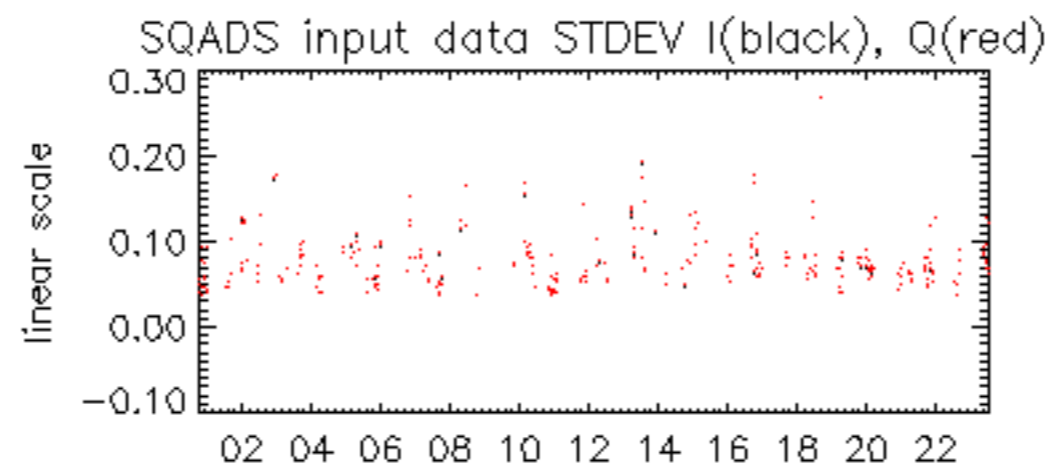
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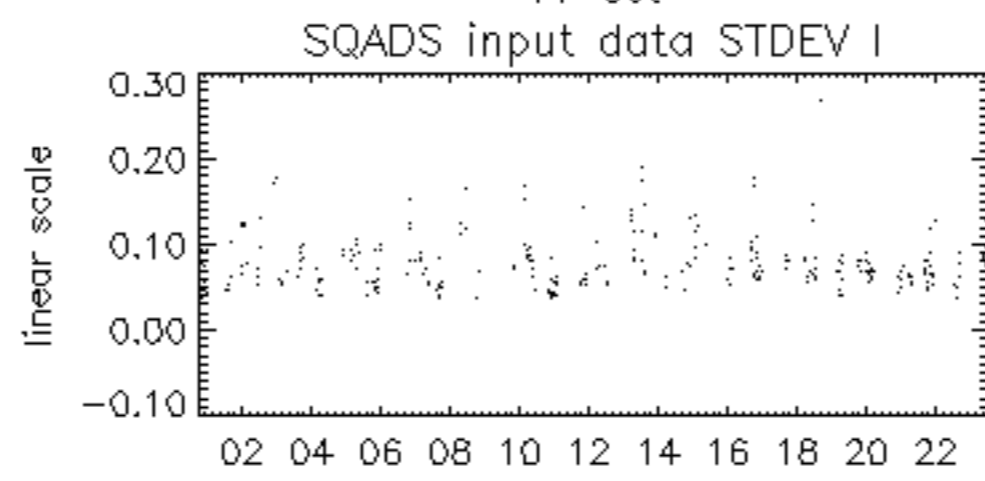
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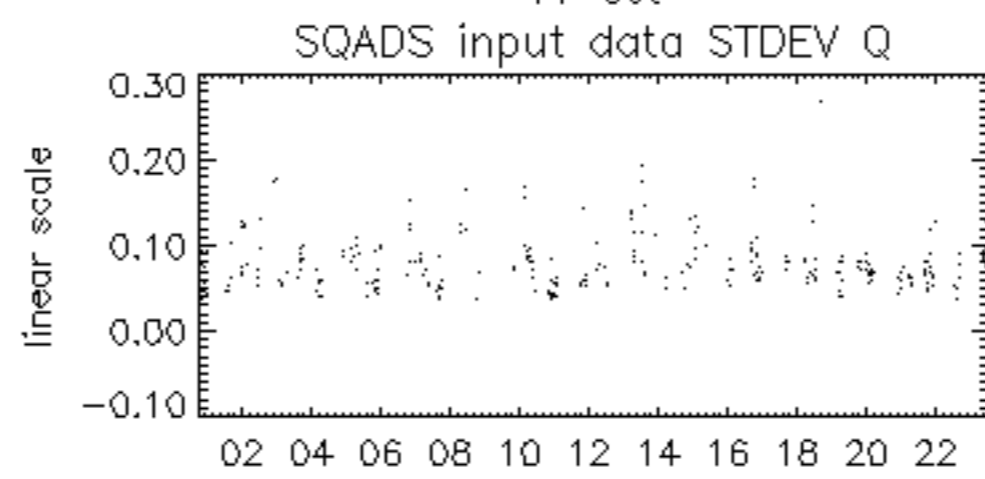
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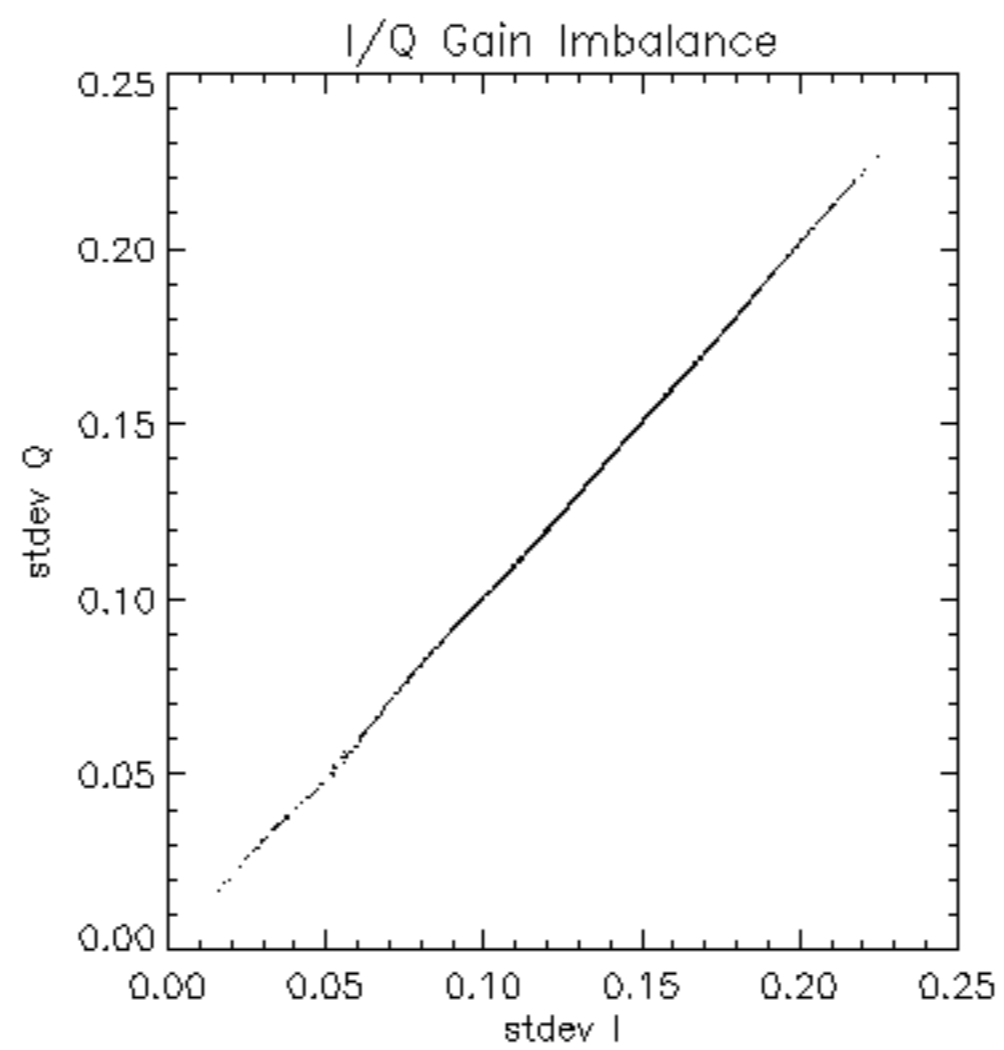
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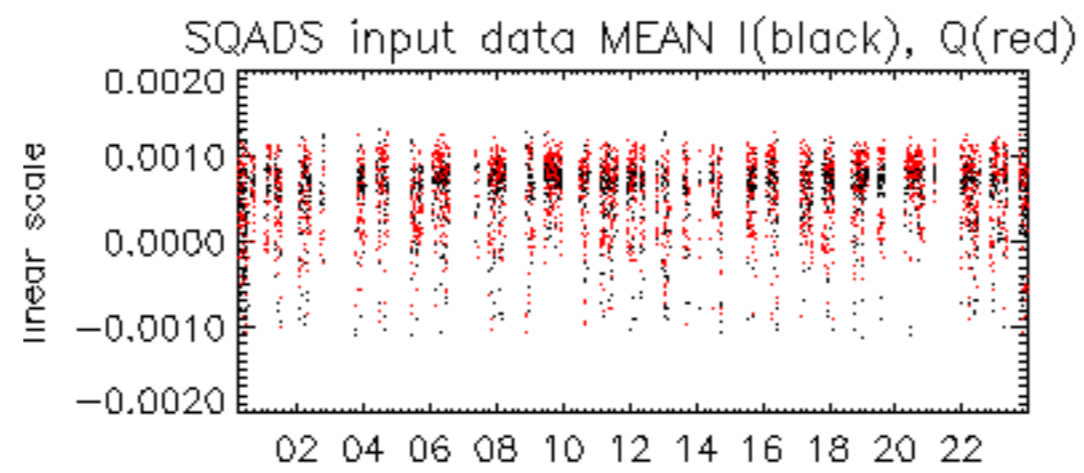


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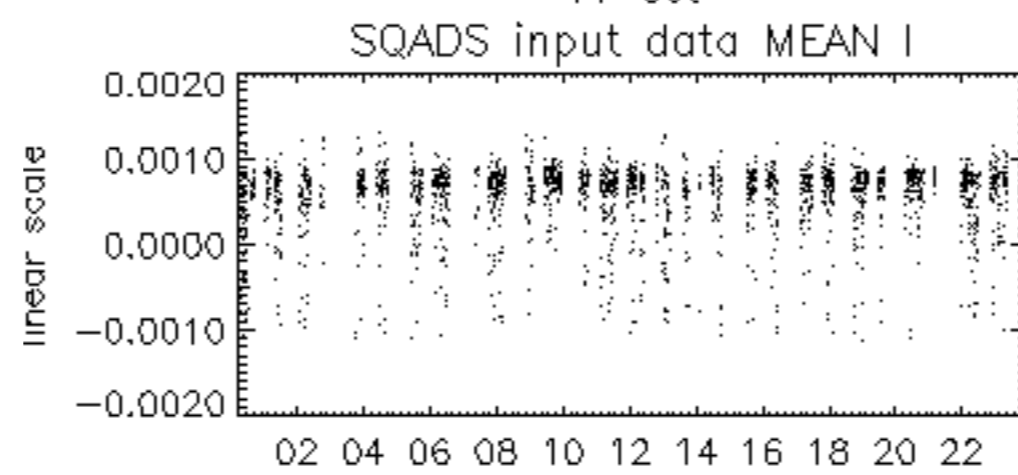


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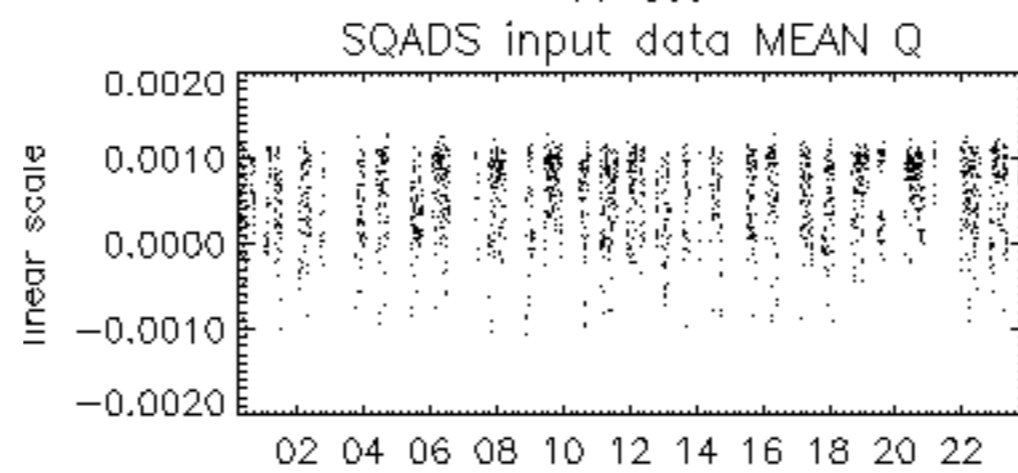




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