



ASAR Daily Report



Analysis from 23-SEP-2007 00:00:00 to 23-SEP-2007 23:59:59. Page generated on 24-SEP-2007 07:41:00.
View log file: ASAR_Daily_Report_20070924_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	2	PDE	WS	H/H	35	PDE	IS1	H/H	1	PDE	IS2	***	1	PDE	WS	H/H	22	PDK	2007-09-23 18:36:46	H	320
PDE	IS2	V/V	22	PDK	WS	H/H	48	PDE	IS6	H/H	1	PDE	IS2	H/H	21	PDE	WS	V/V	9				
PDK	IS2	V/V	20					PDE	IS7	H/H	1	PDE	IS2	V/V	7	PDK	WS	H/H	10				
								PDK	IS1	H/V	1	PDE	IS3	H/H	2	PDK	WS	V/V	2				
												PDE	IS3	V/V	1								
												PDE	IS6	V/V	1								
												PDE	IS7	V/V	1								
												PDK	IS2	H/H	6								
												PDK	IS2	V/V	4								
												PDK	IS5	V/V	1								

1.2 - Lists of products used

[BACK TO MENU]

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

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

[BACK TO MENU]

No IECF ADFs list available

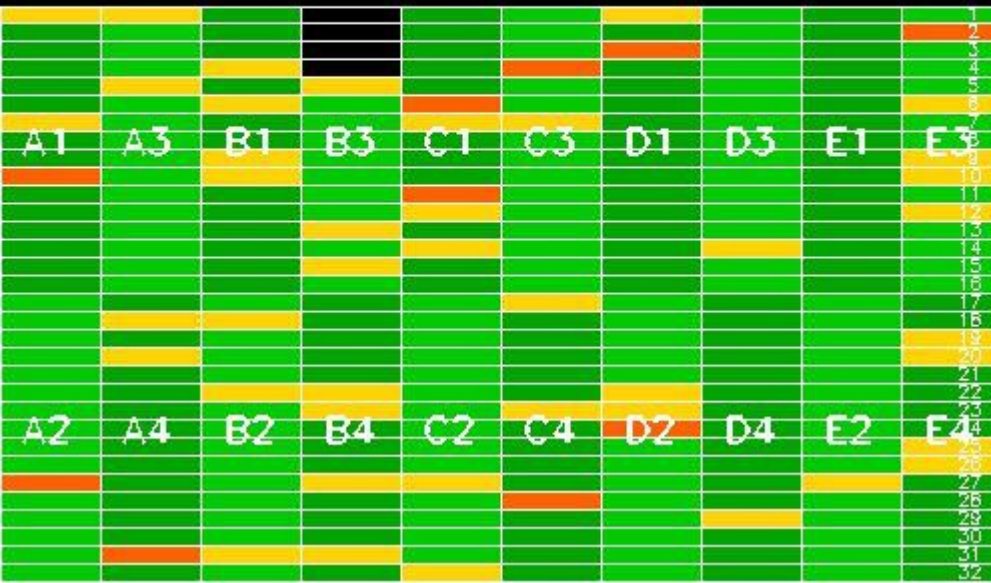
2.2 - Products with wrong ADFs

[BACK TO MENU]

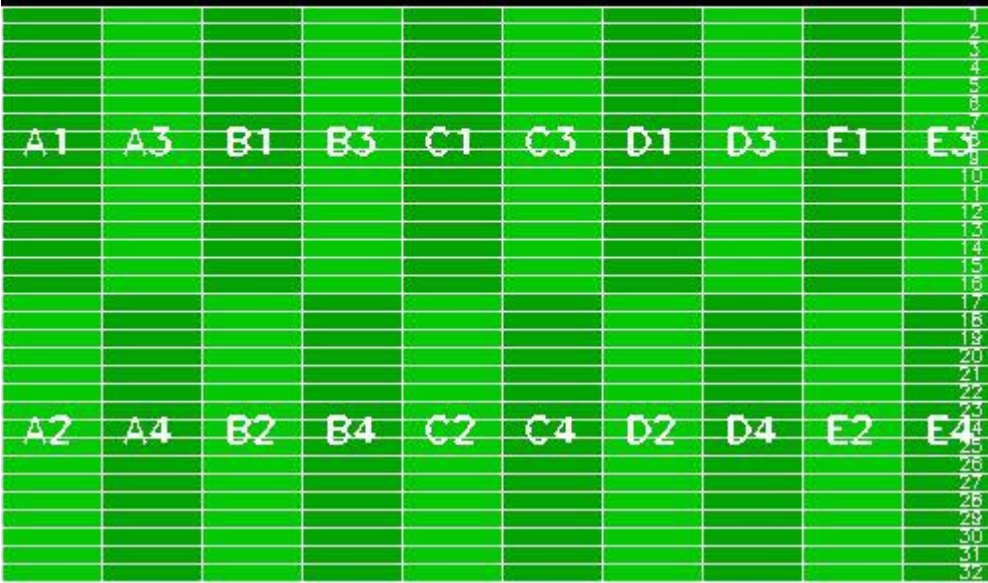
3 - MODULE STEPPING PRODUCTS ANALYSIS

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

Reference: 2005-09-23 05:55:14 V RxGain
Test : 2007-09-22 20:48:59 V



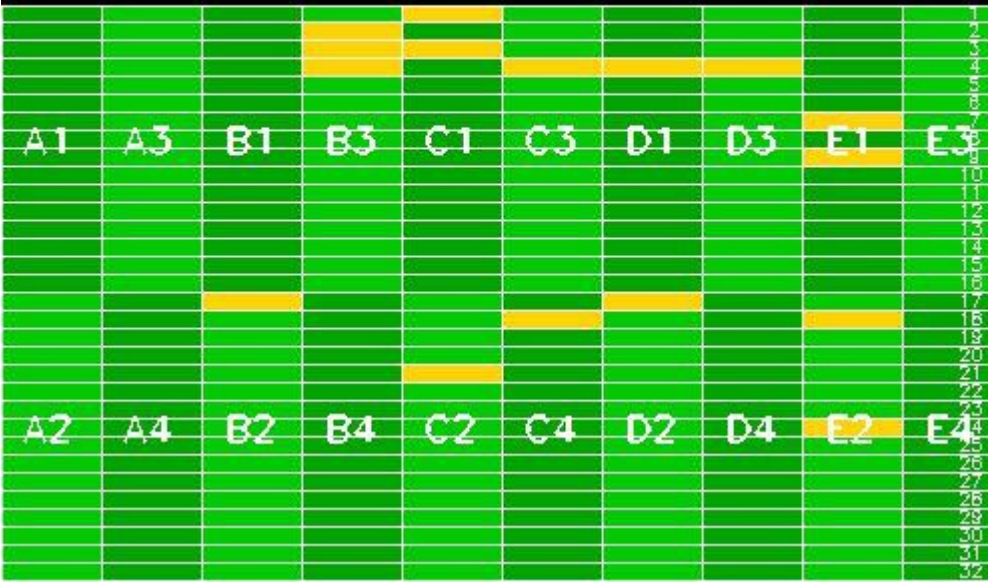
Reference: 2007-09-20 10:08:02 V RxGain
Test : 2007-09-22 20:48:59 V

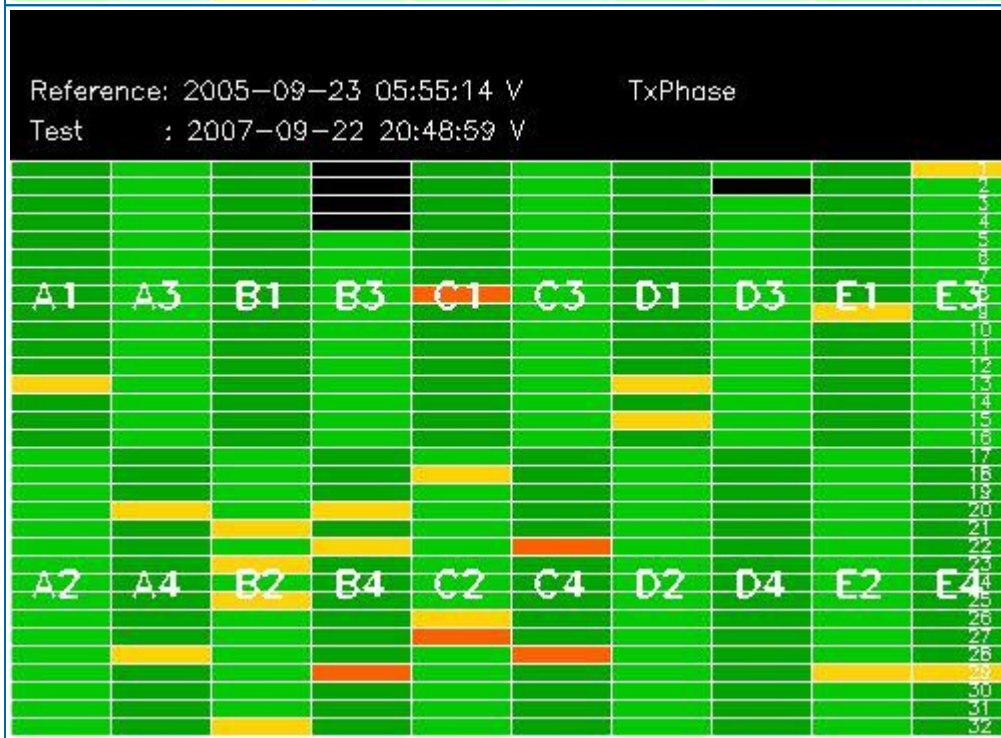
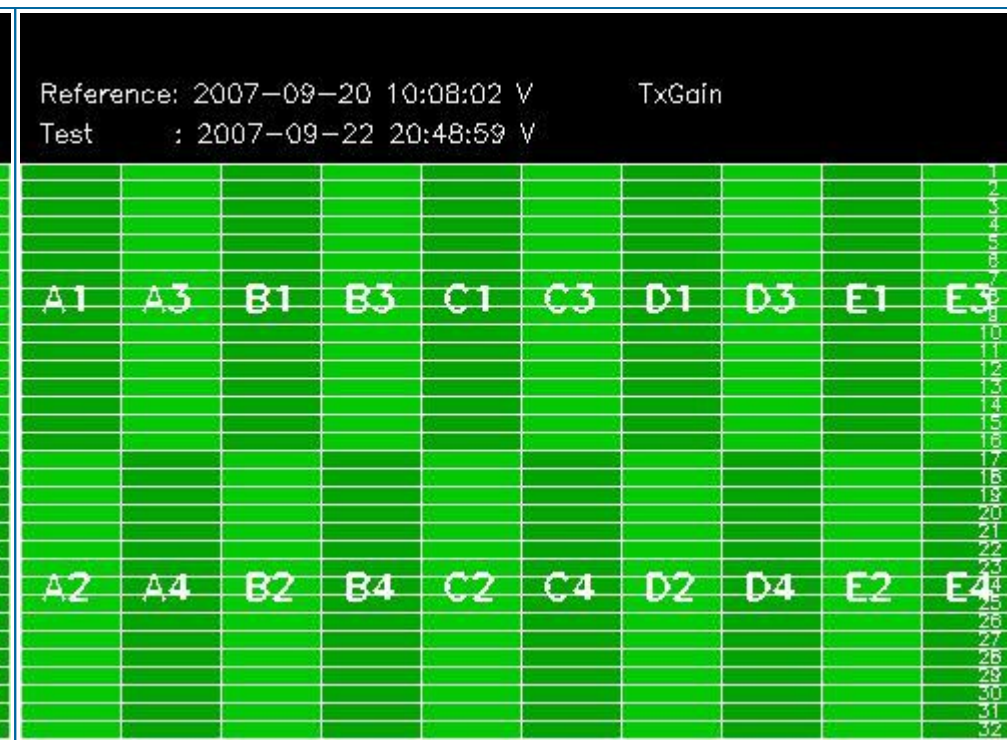
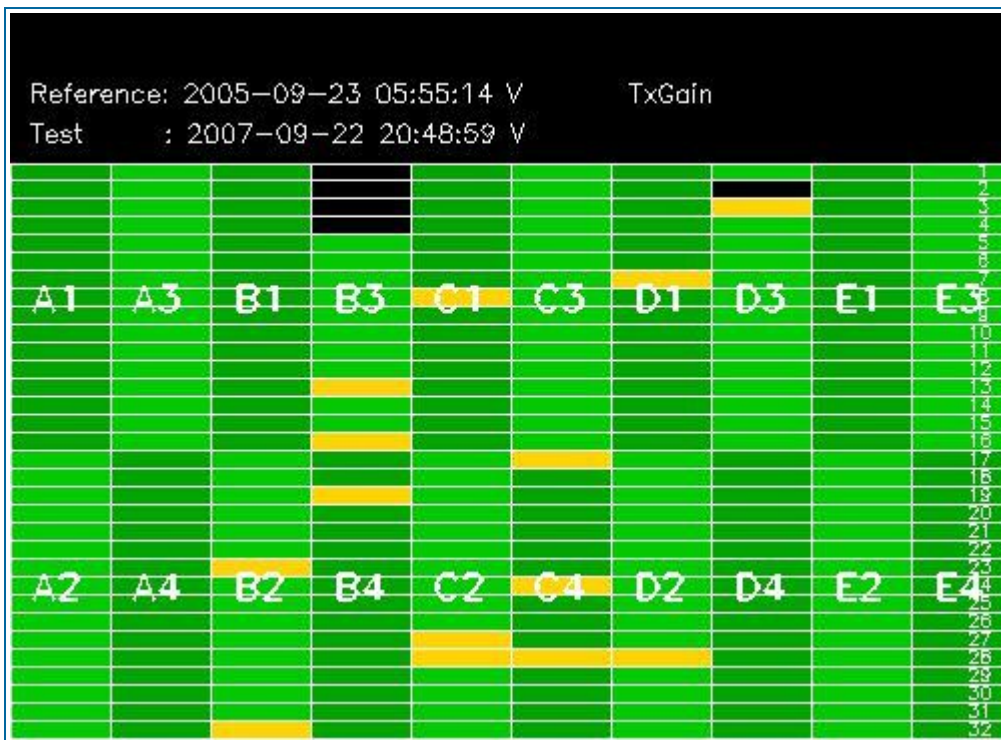


Reference: 2005-09-23 05:55:14 V RxPhase
Test : 2007-09-22 20:48:59 V



Reference: 2007-09-20 10:08:02 V RxPhase
Test : 2007-09-22 20:48:59 V





3.2 - H/H polarisation

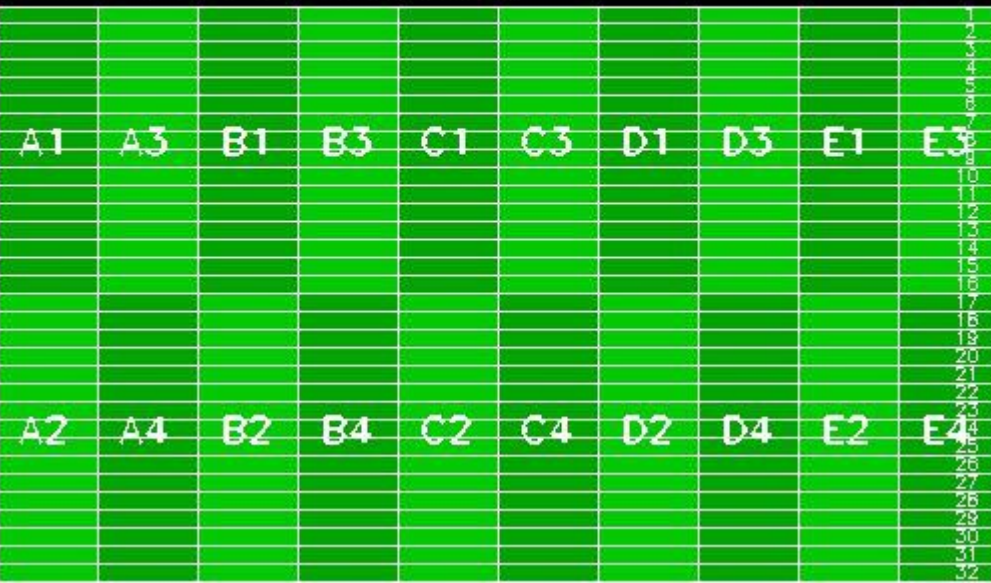
[[BACK TO MENU](#)]

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

Reference: 2005-09-22 06:26:51 H RxGain
 Test : 2007-09-23 18:36:46 H



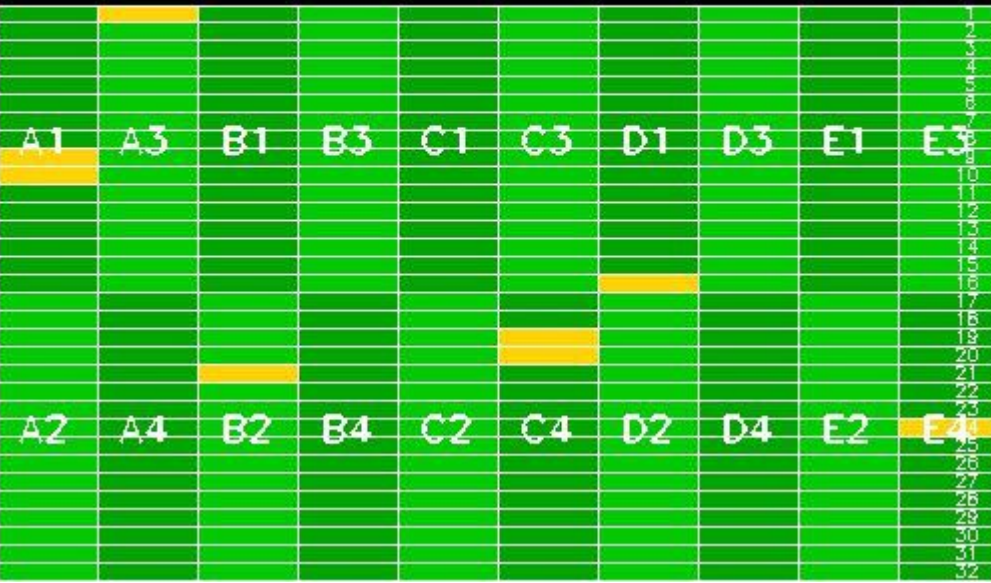
Reference: 2007-09-21 14:38:13 H RxGain
 Test : 2007-09-23 18:36:46 H

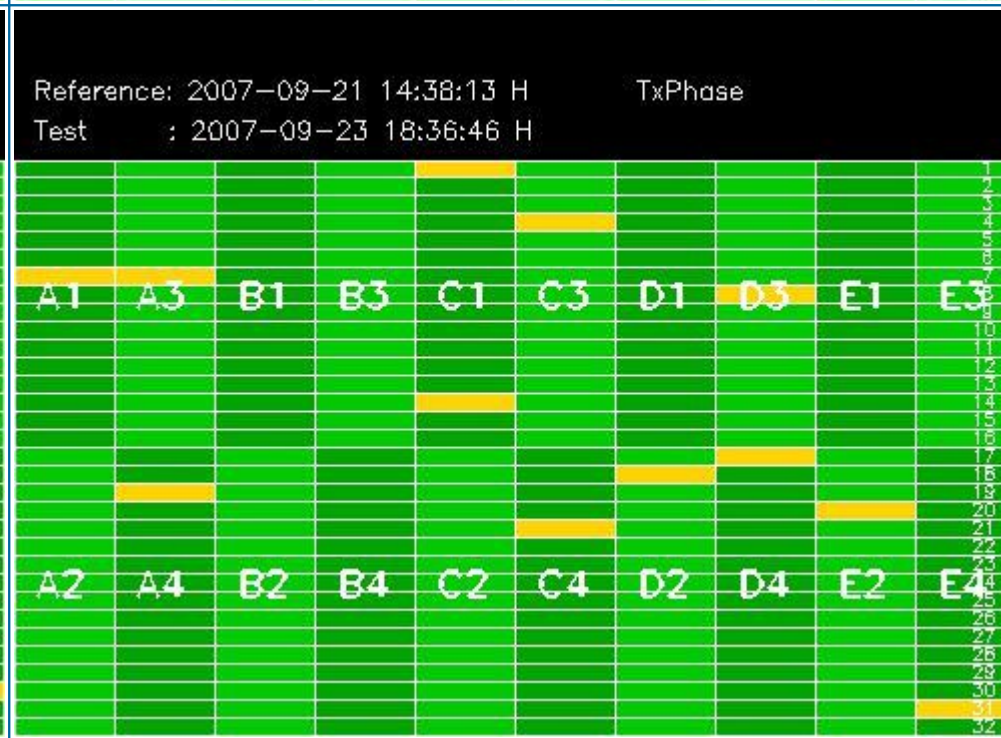
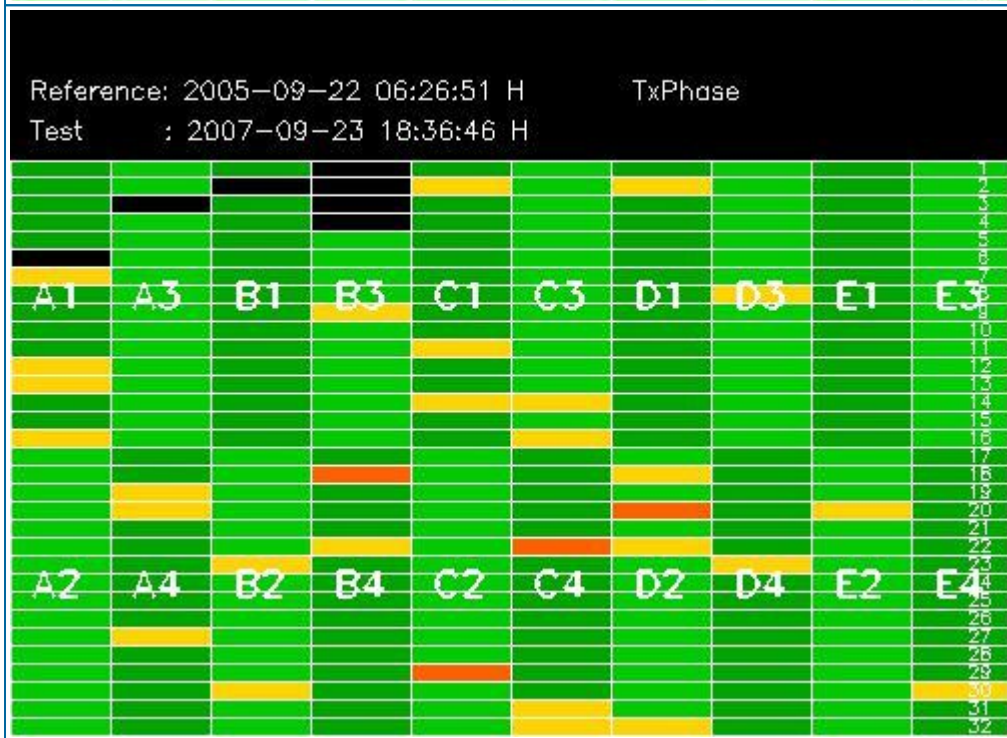
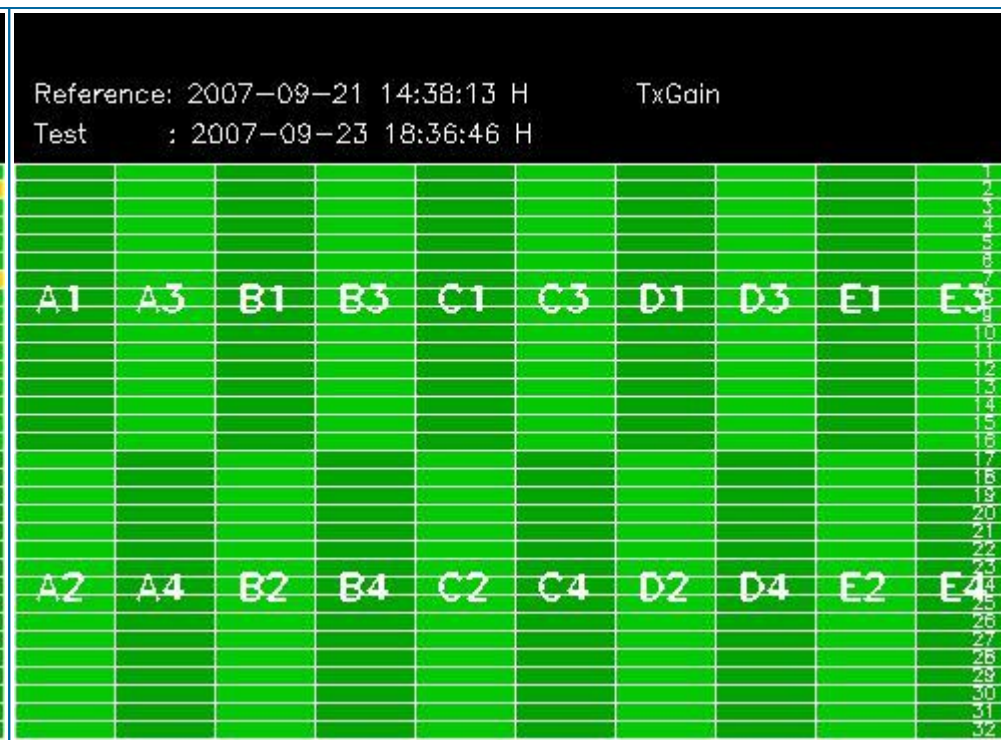
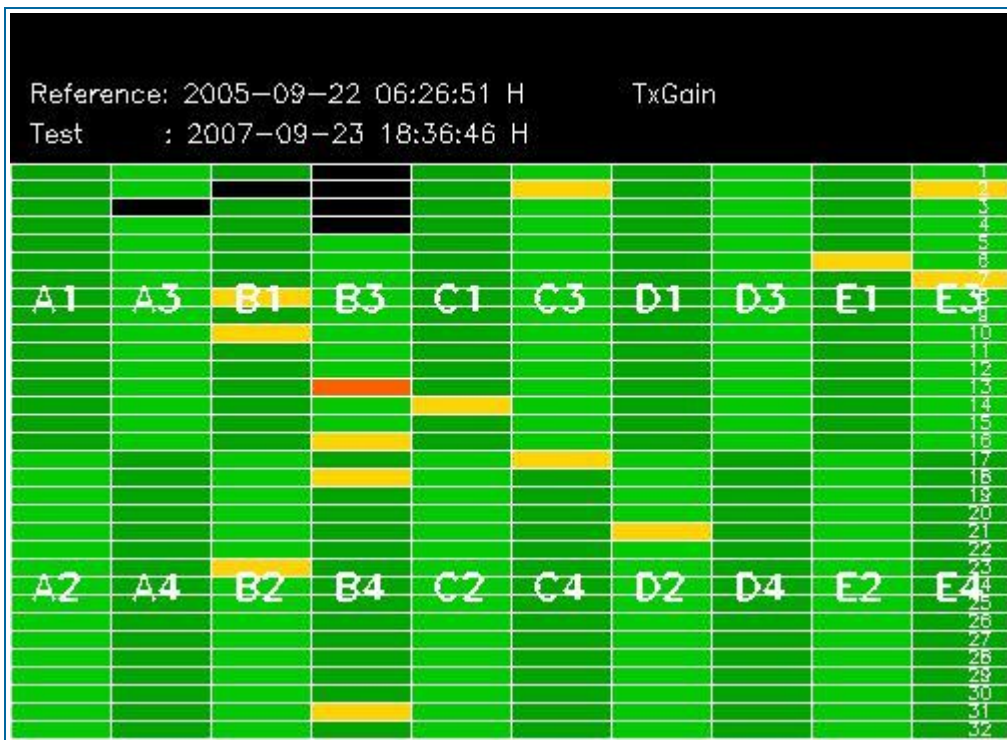


Reference: 2005-09-22 06:26:51 H RxPhase
 Test : 2007-09-23 18:36:46 H



Reference: 2007-09-21 14:38:13 H RxPhase
 Test : 2007-09-23 18:36:46 H





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

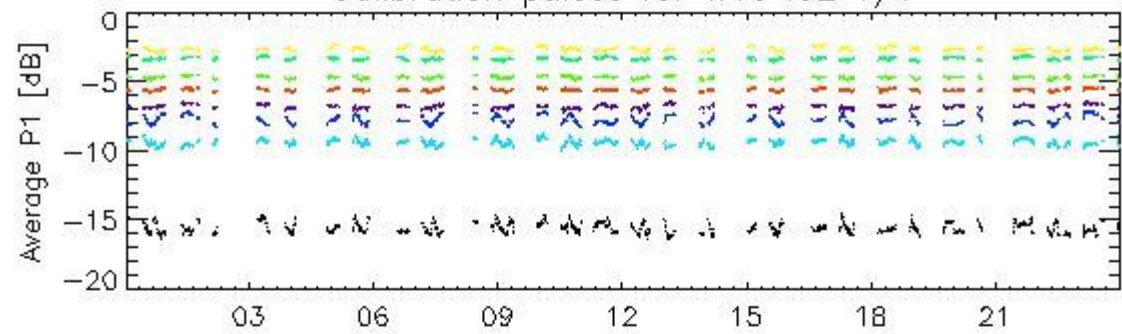
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

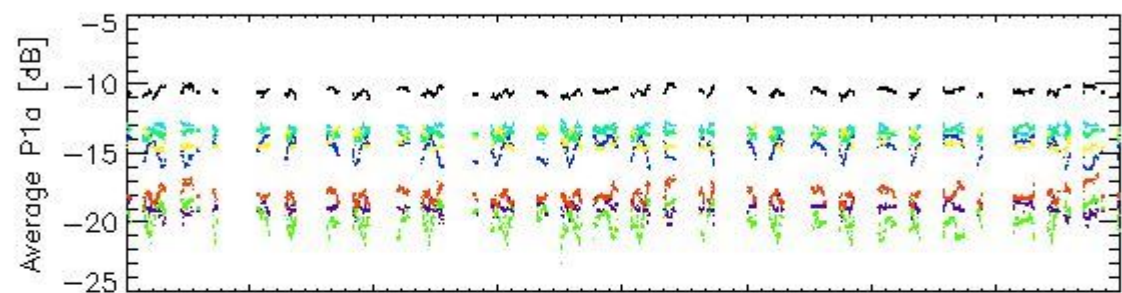
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

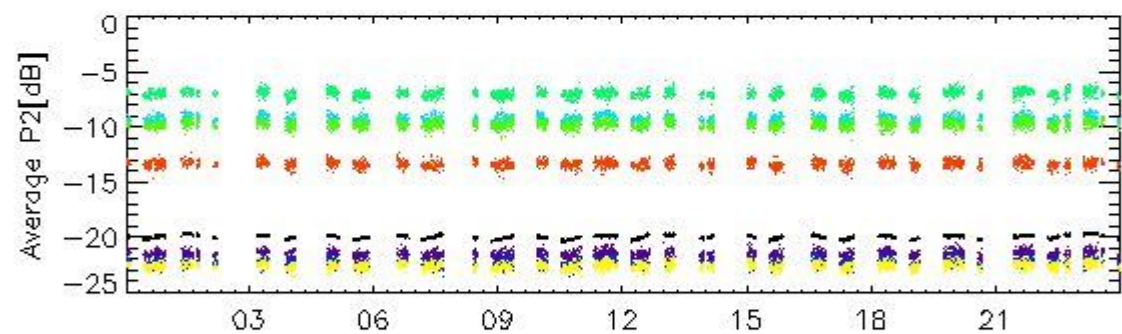
Calibration pulses for WVS IS2 V/V



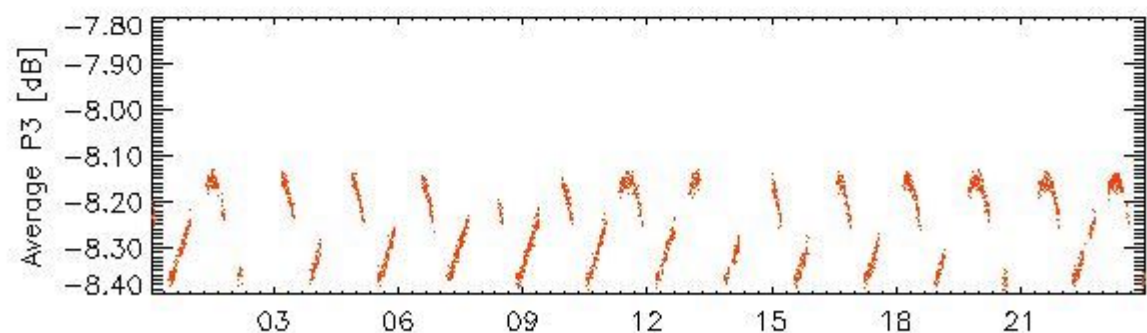
23-Sep



23-Sep



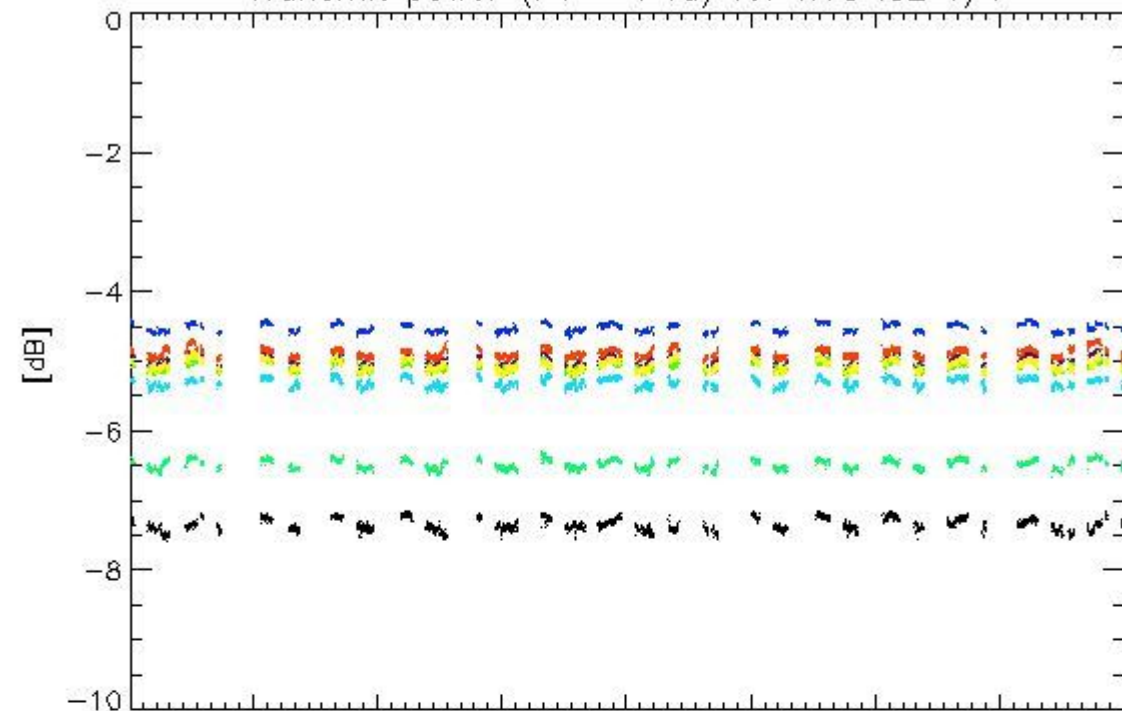
23-Sep



23-Sep

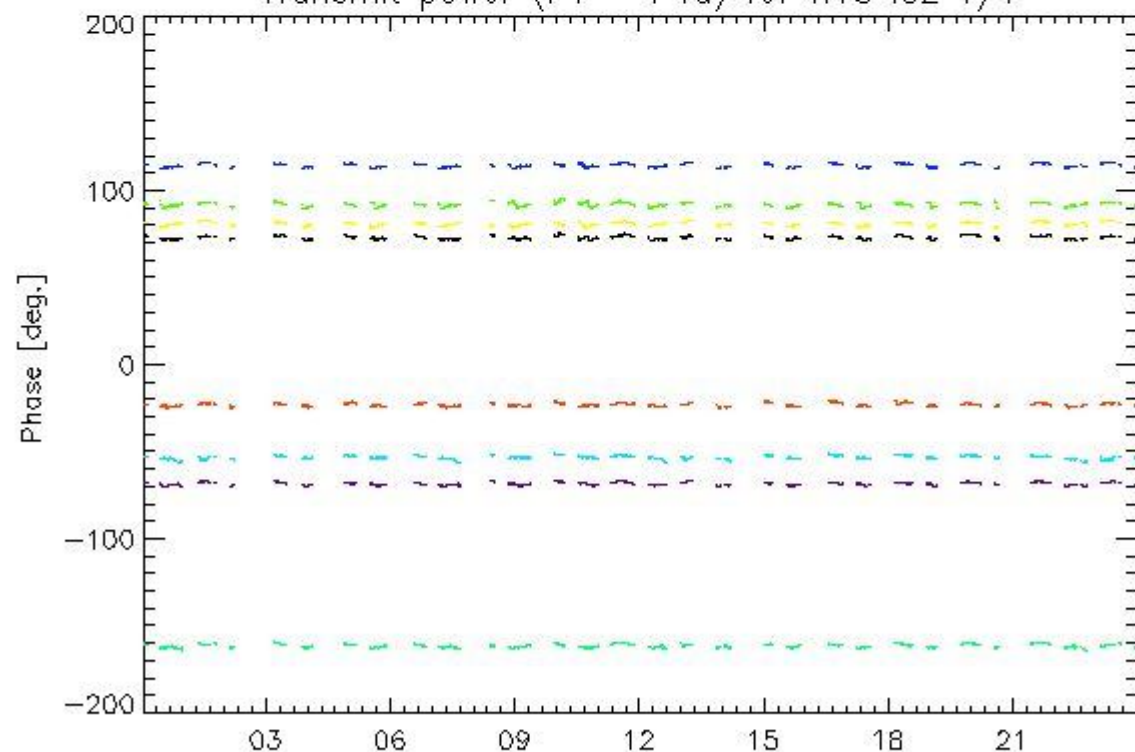
rows: - 1 - 5 - 9 - 13 - 17 - 21 - 25 - 29

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



23-Sep

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



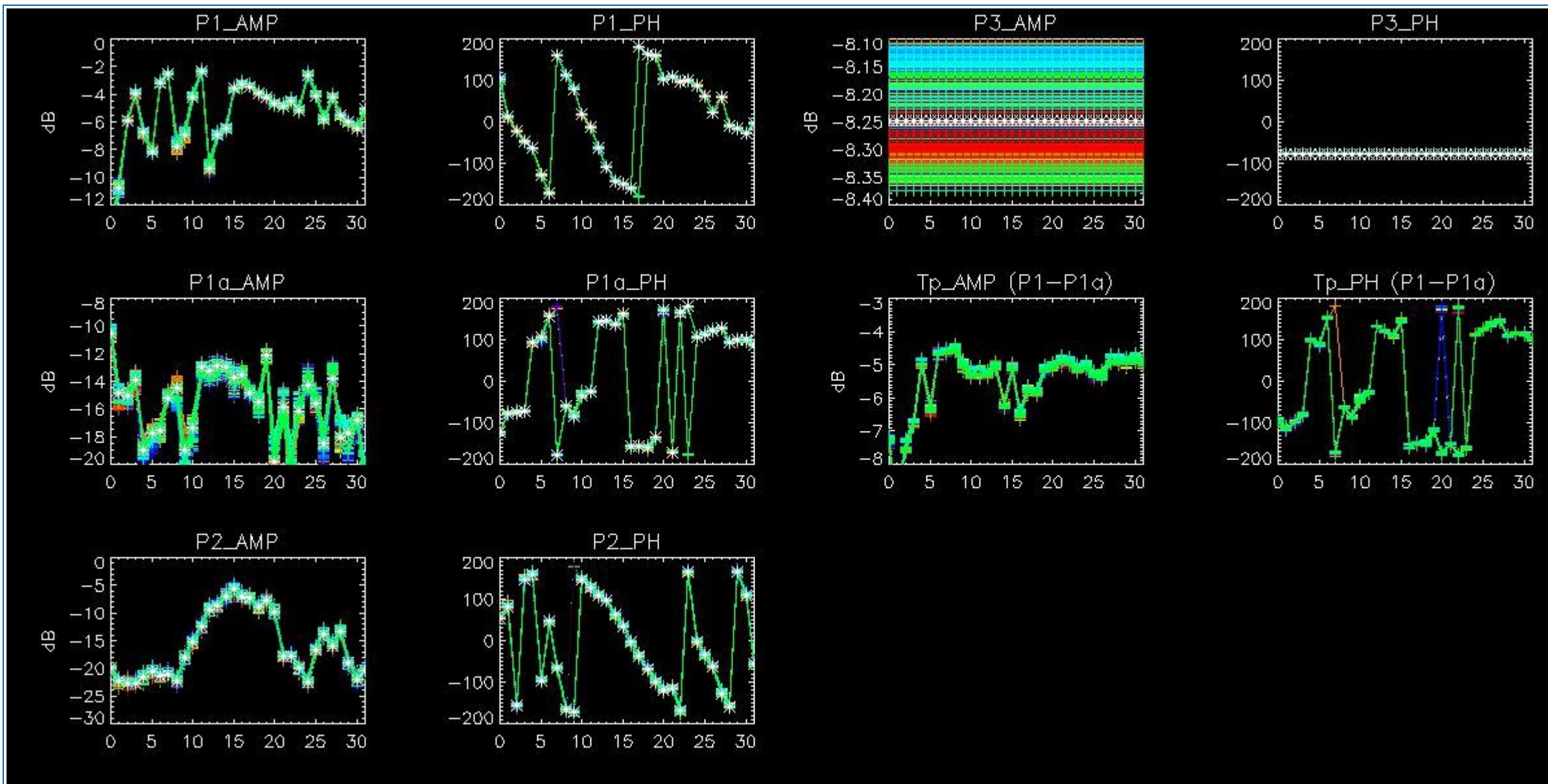
23-Sep

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

4.1.2 - All Rows Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]





4.2 - Analysis for GM1 SS3 H/H

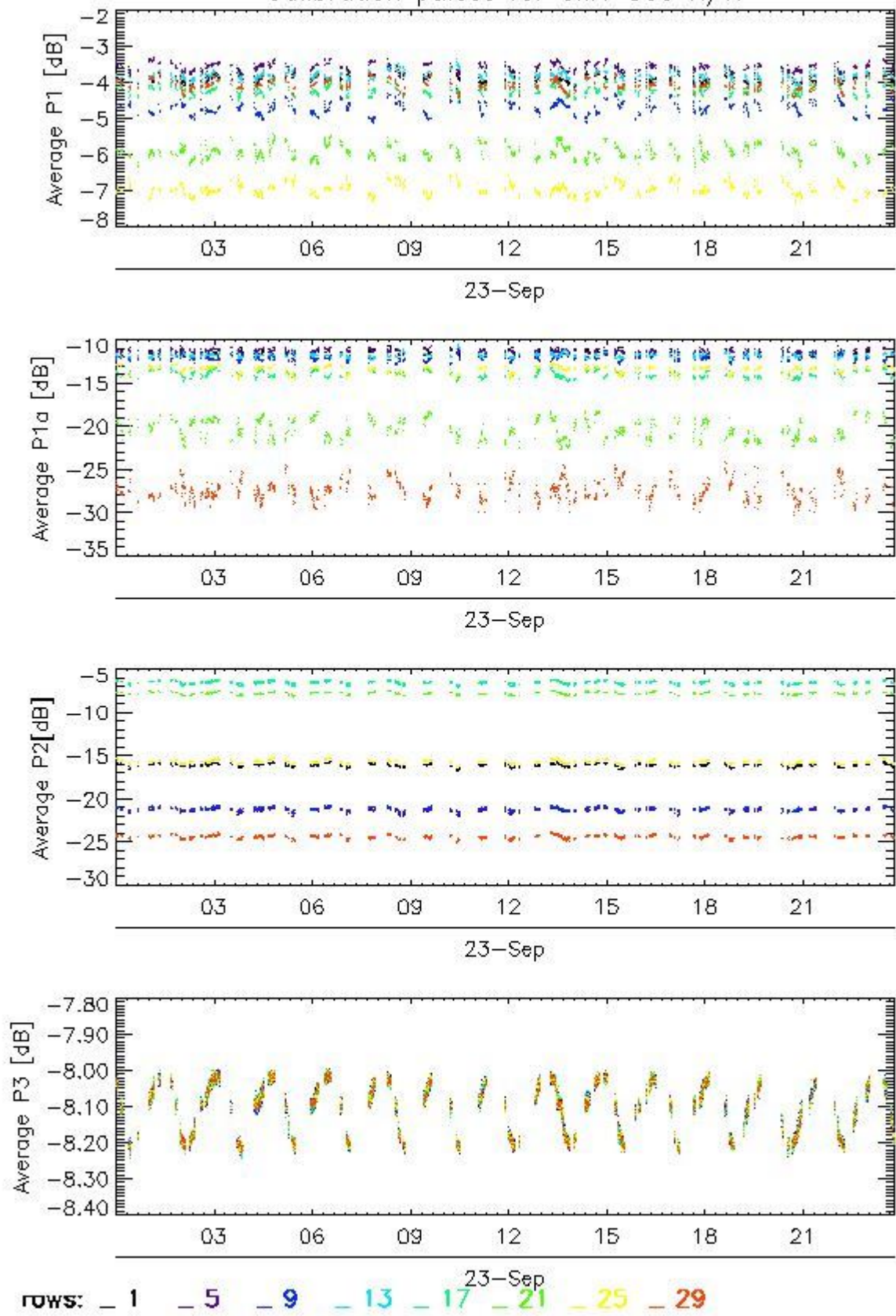
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

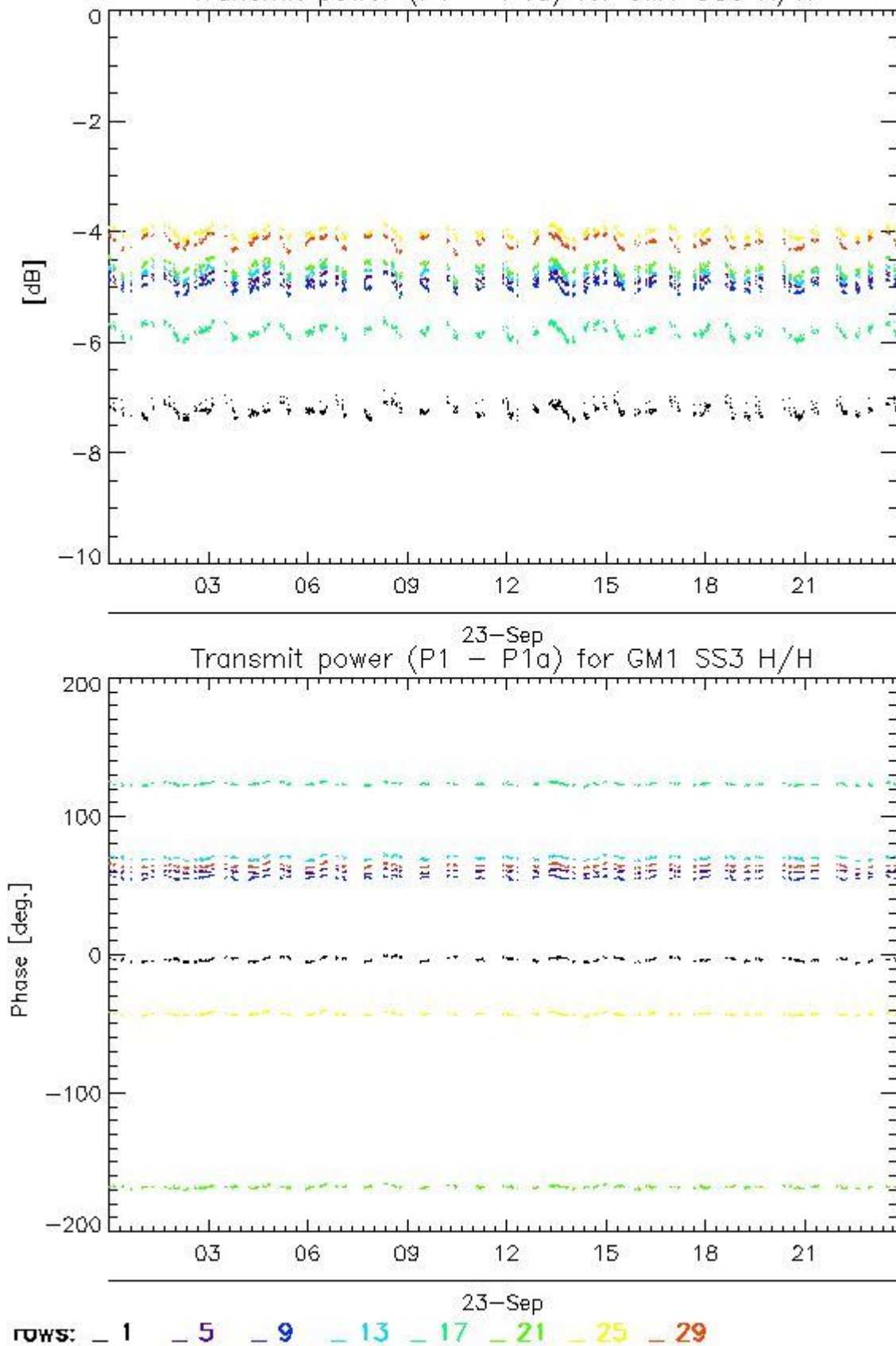
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for GM1 SS3 H/H



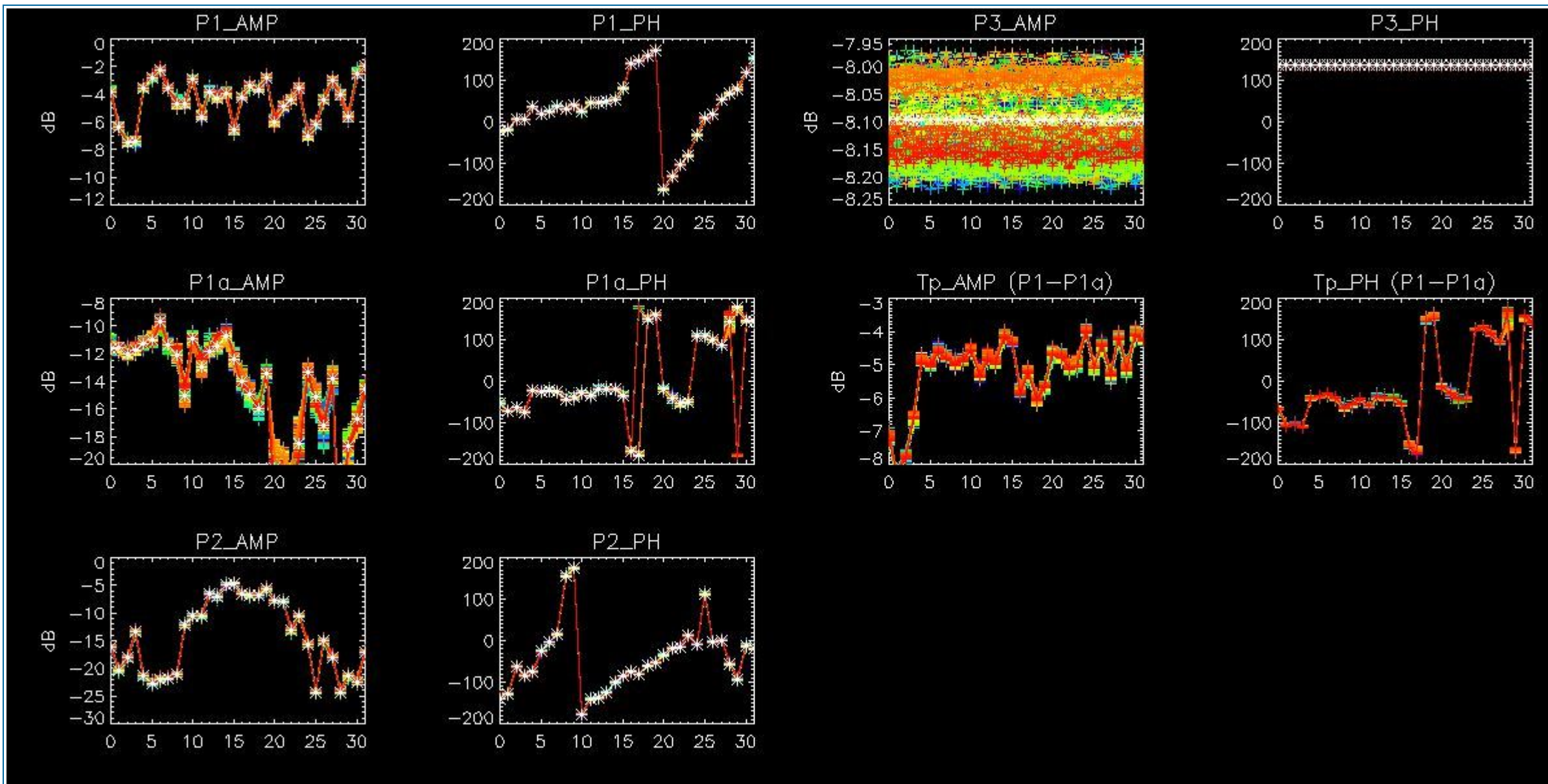
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[BACK TO MENU]





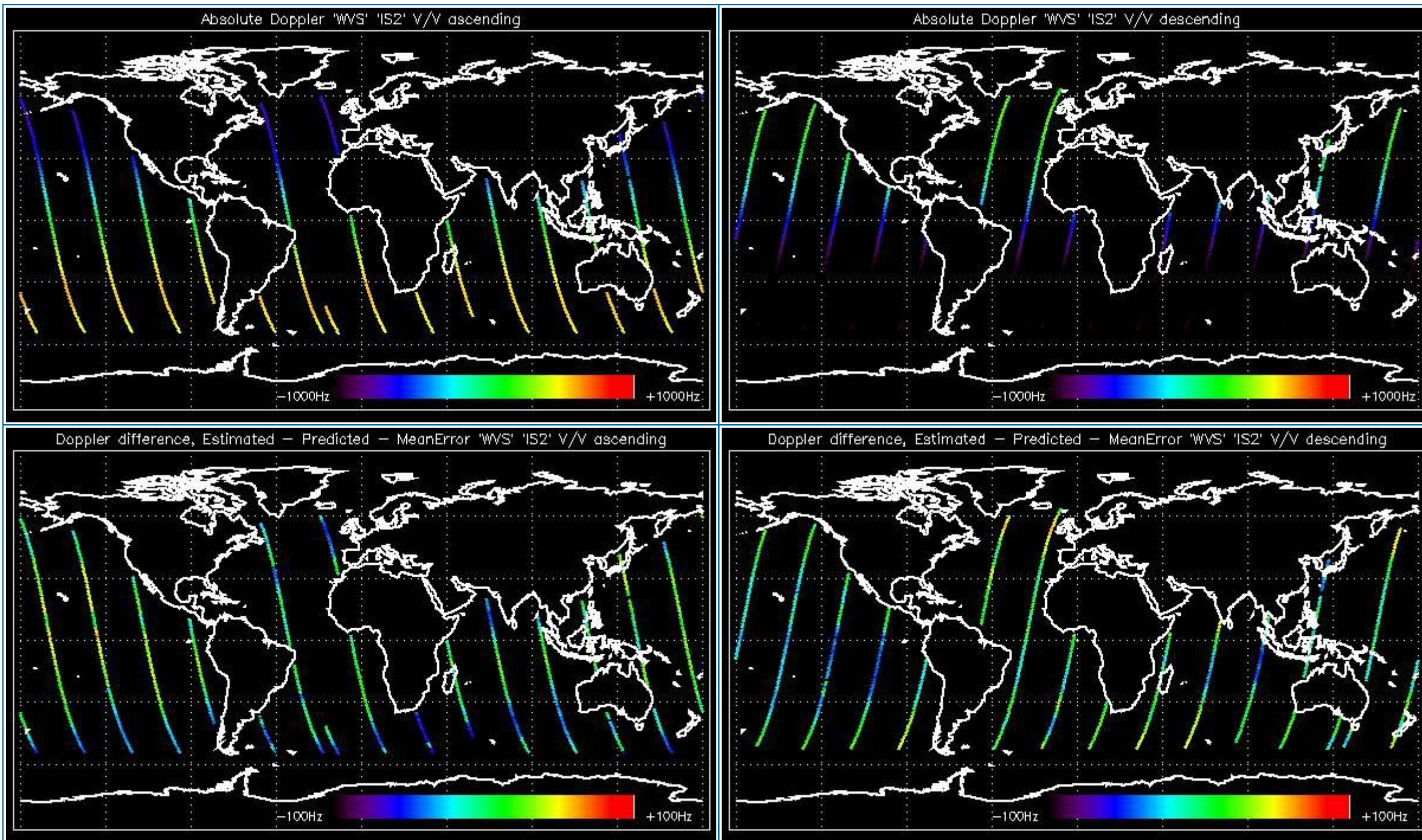
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

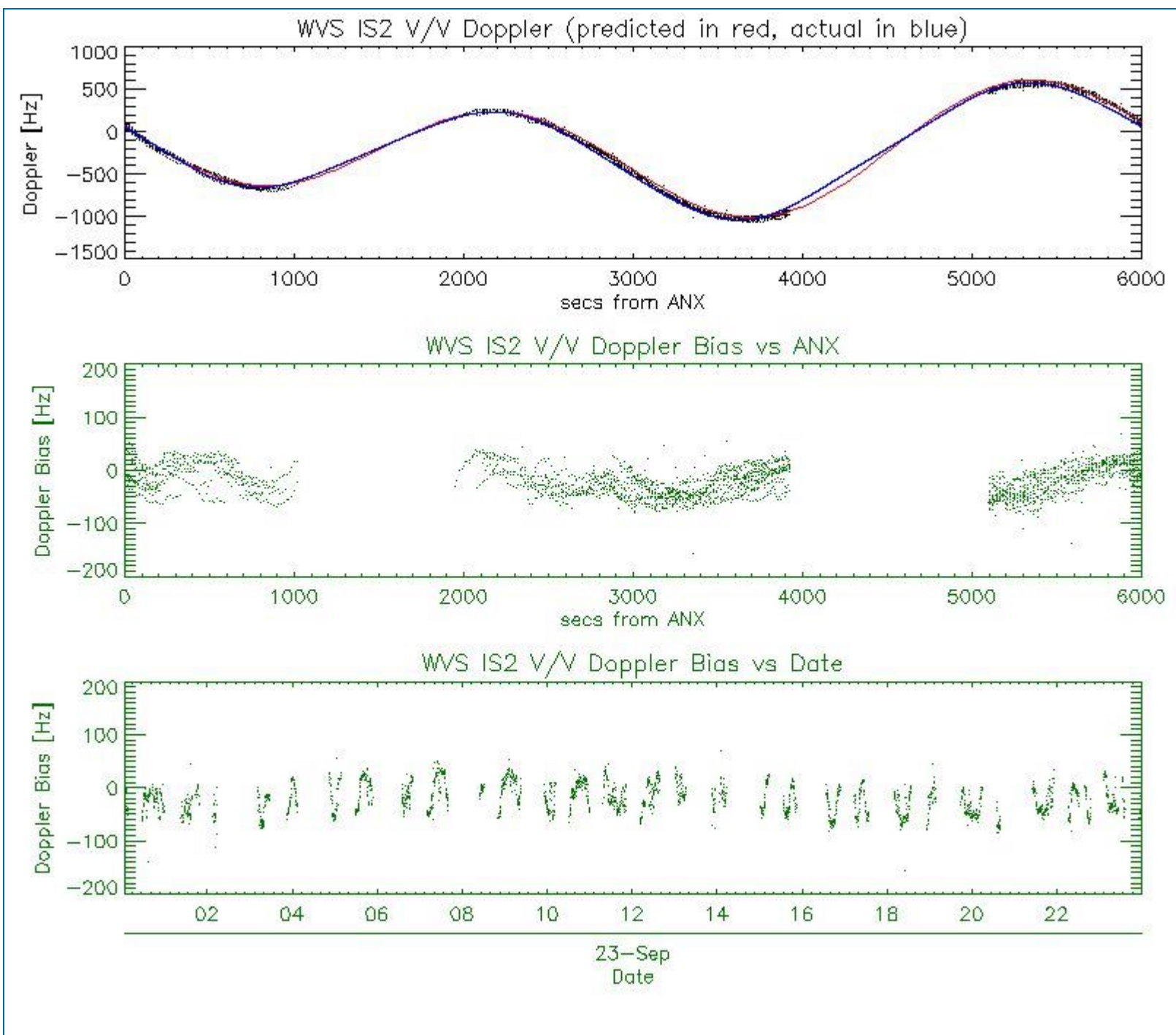




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]



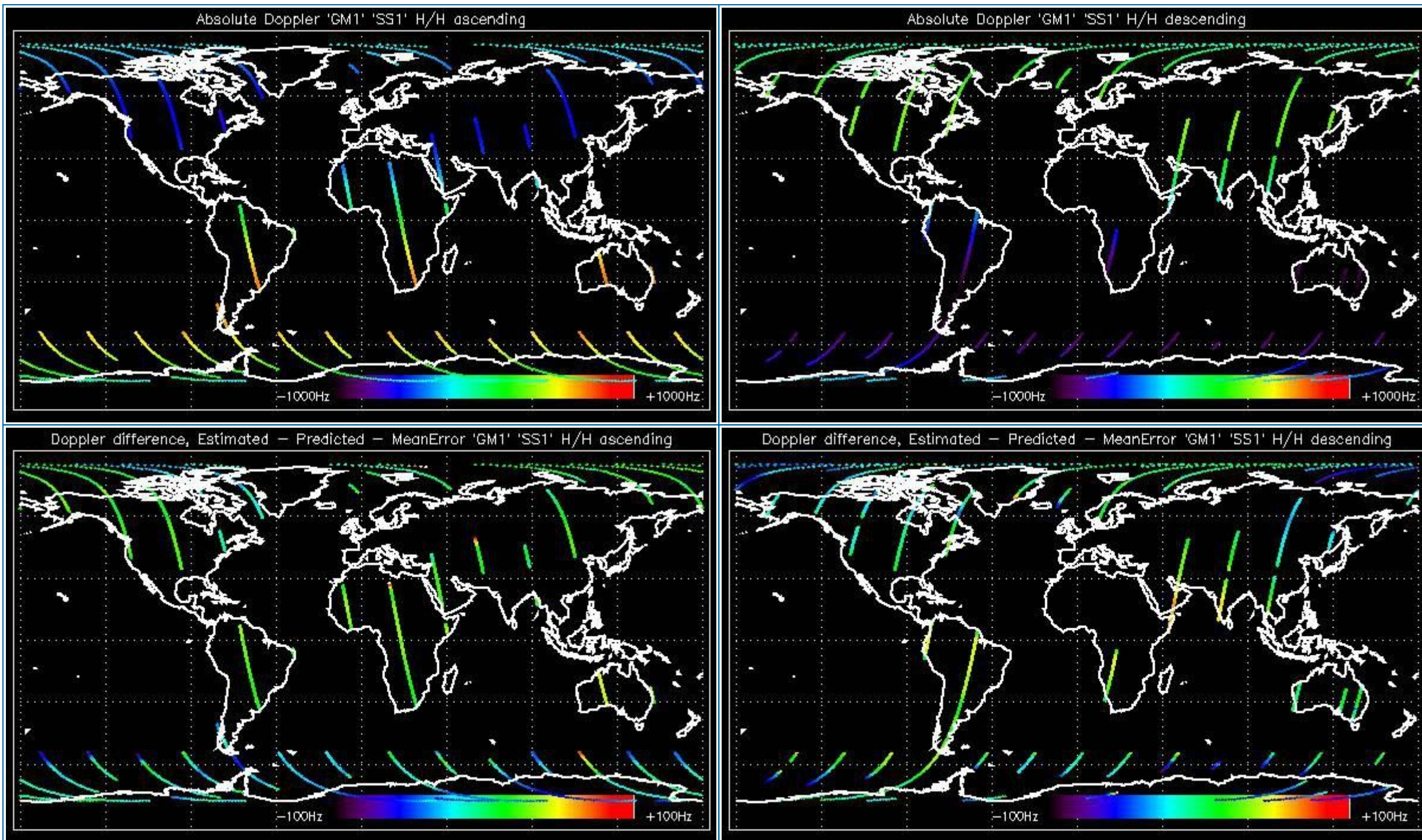


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

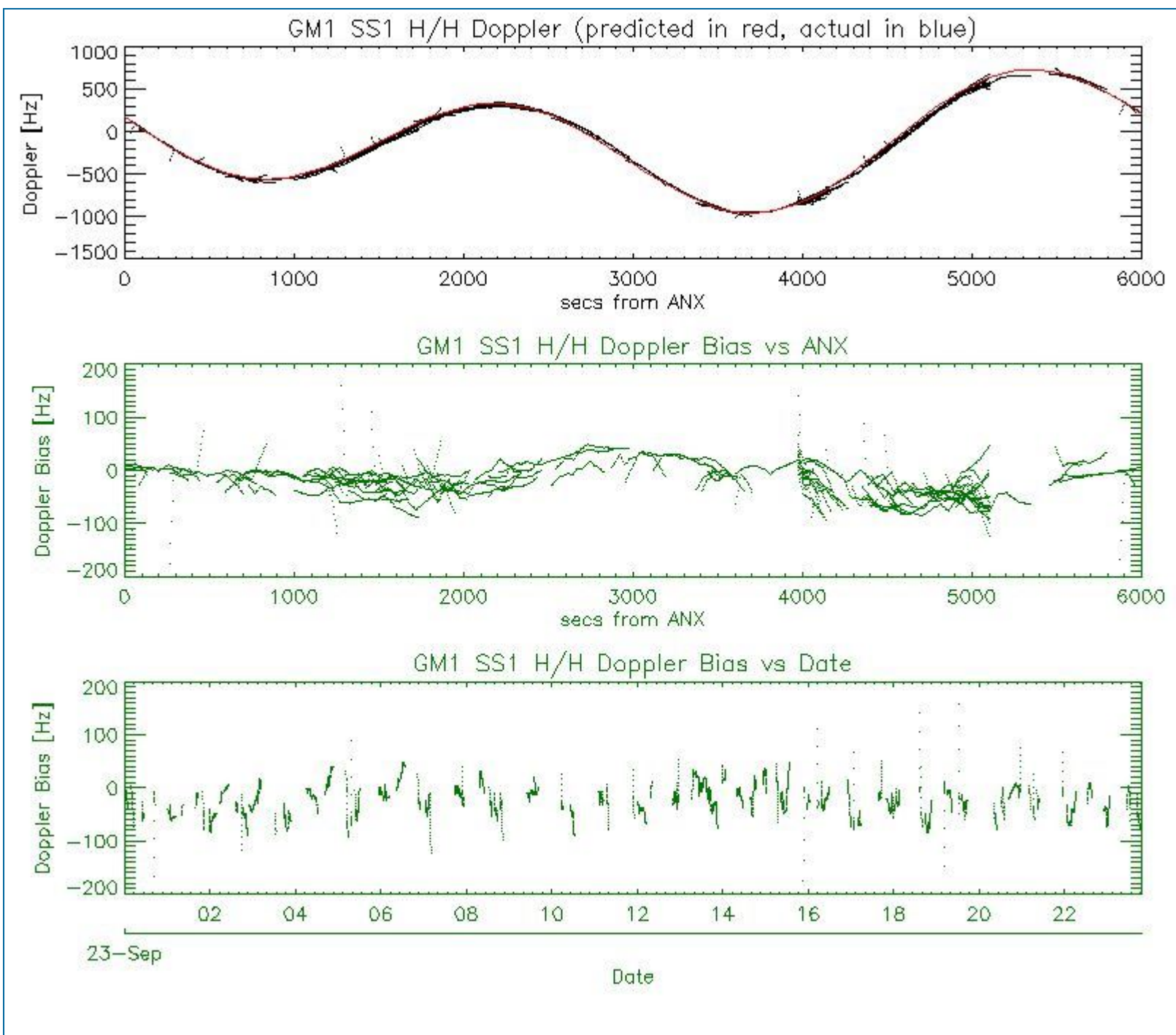




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

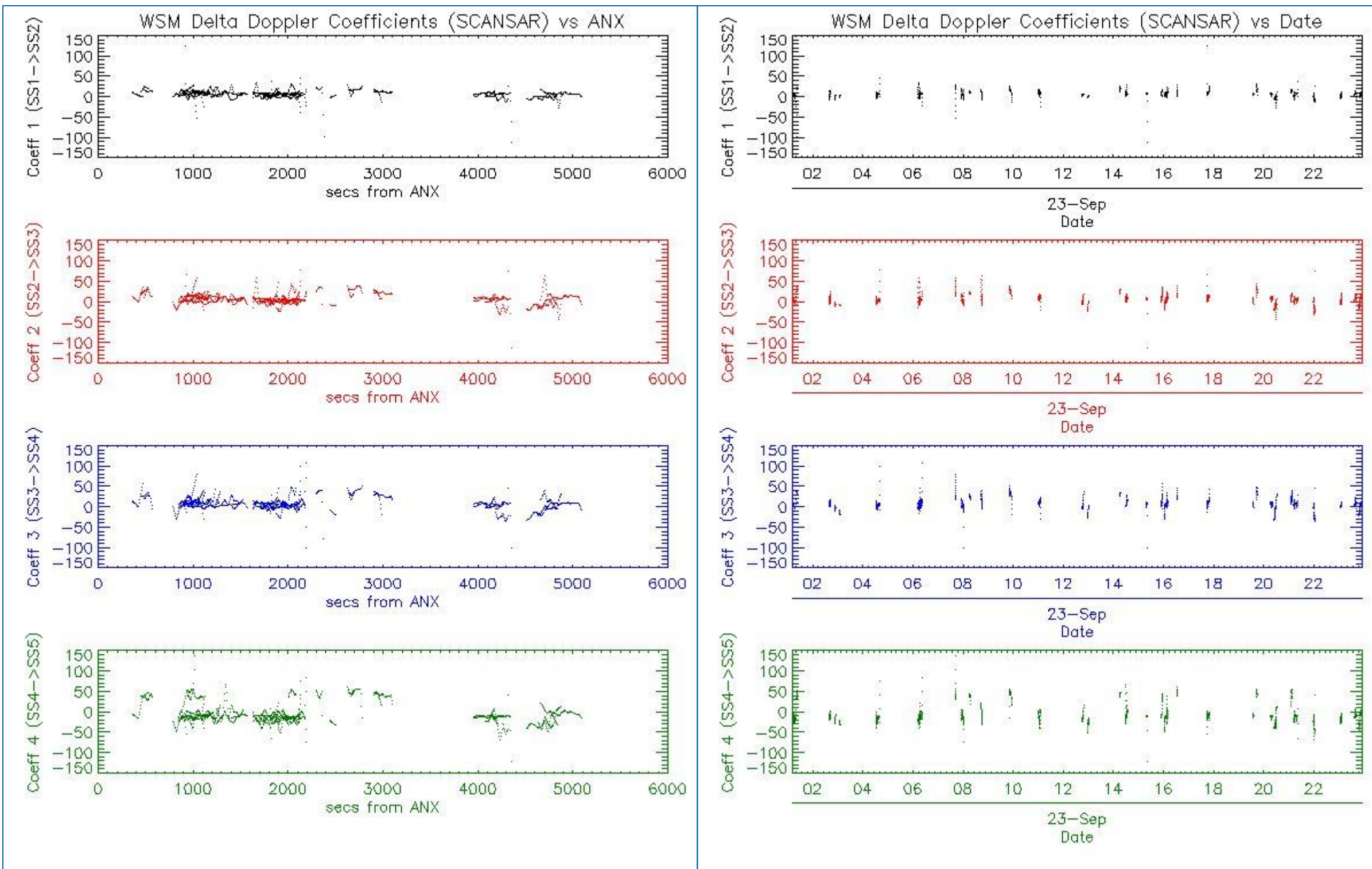




5.3 - Doppler JUMPS Analysis for WSM

[[BACK TO MENU](#)]





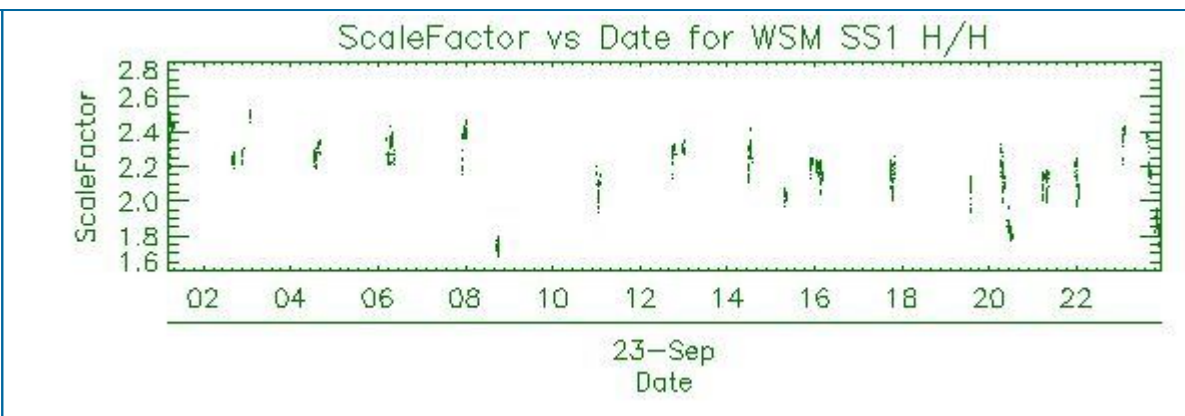
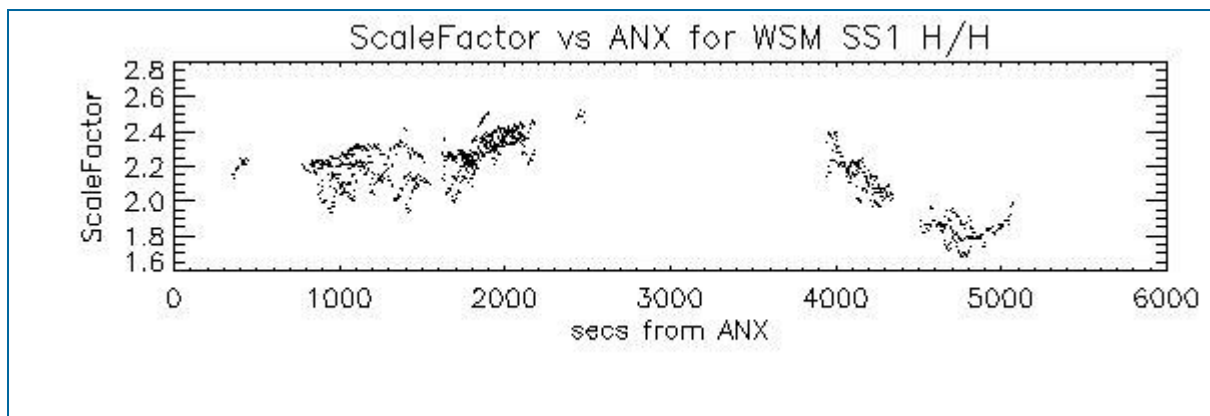
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[[BACK TO MENU](#)]

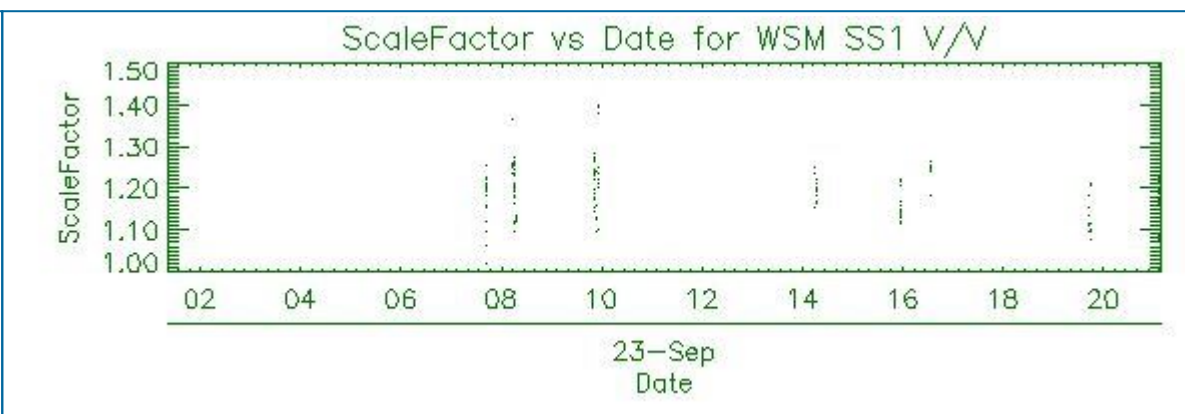
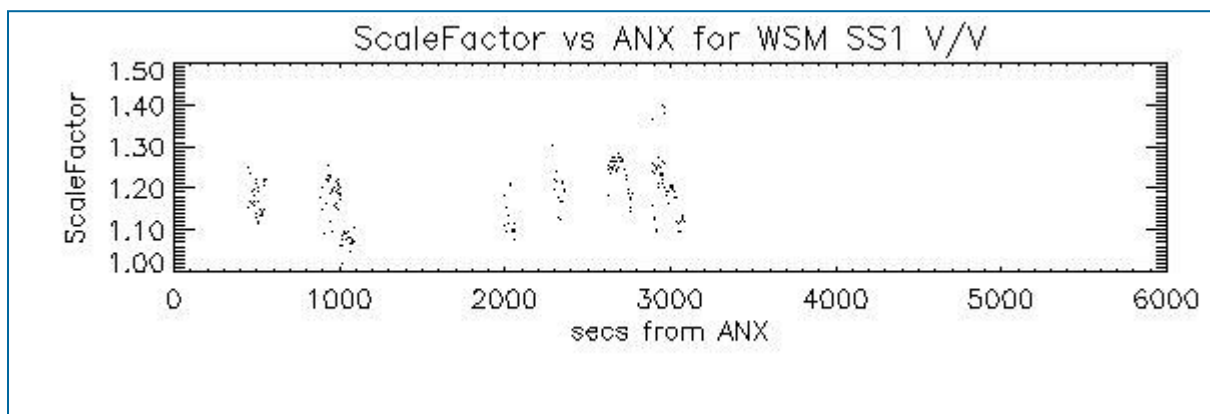




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[[BACK TO MENU](#)]

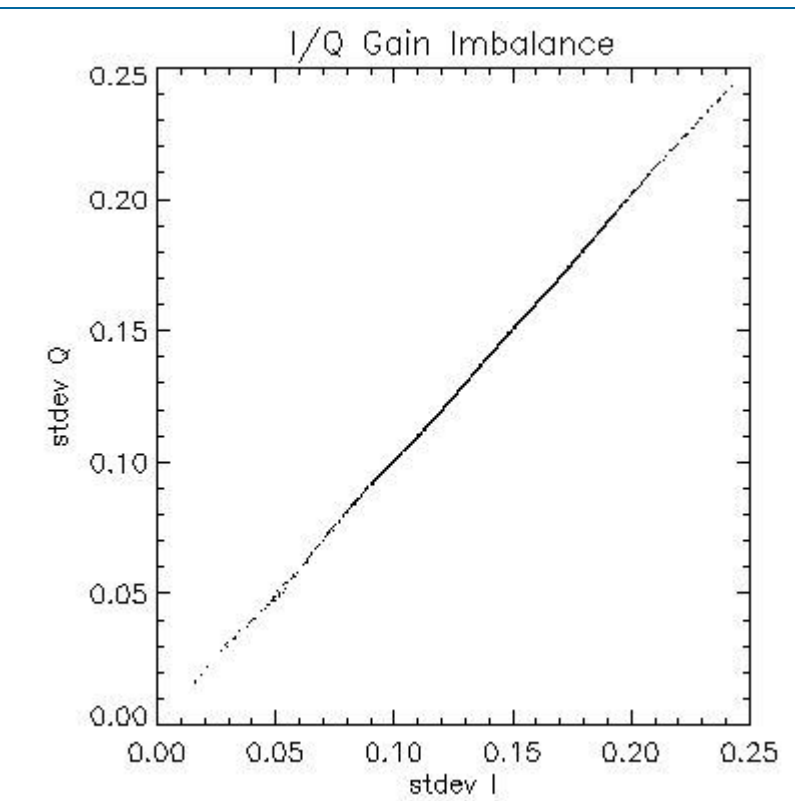
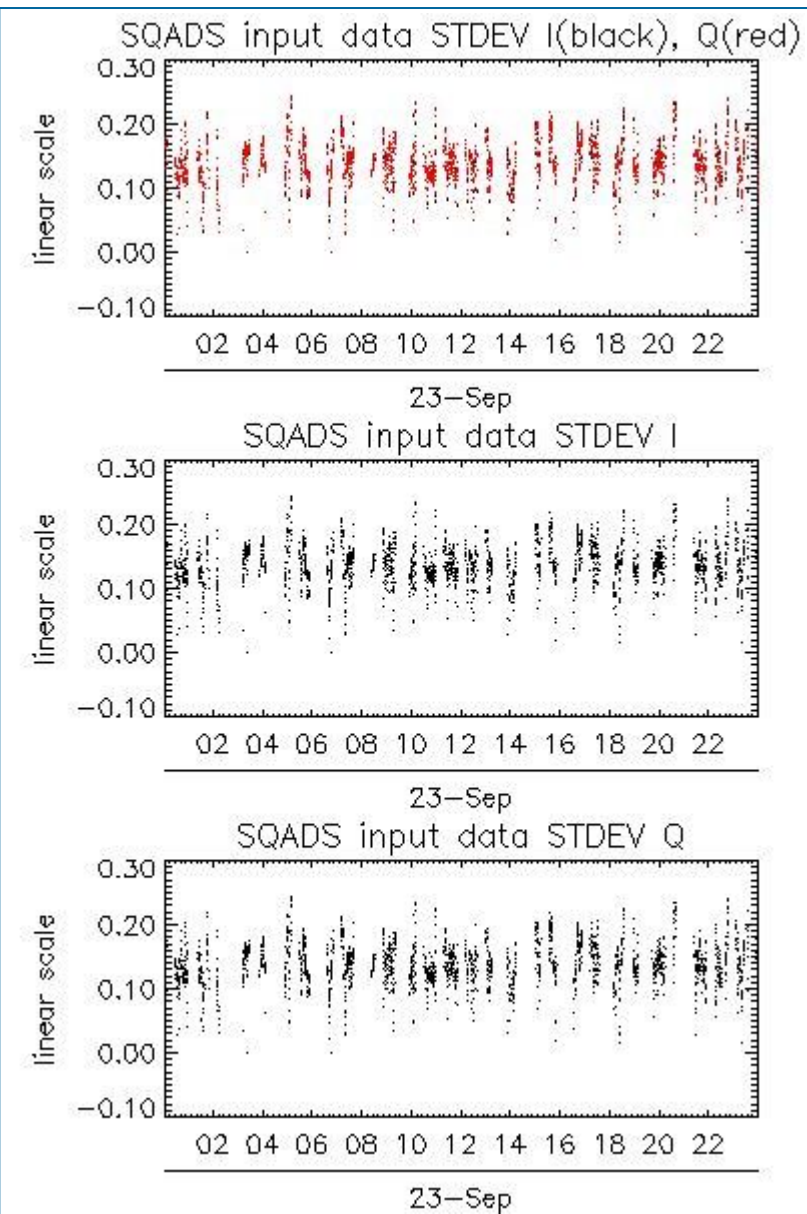
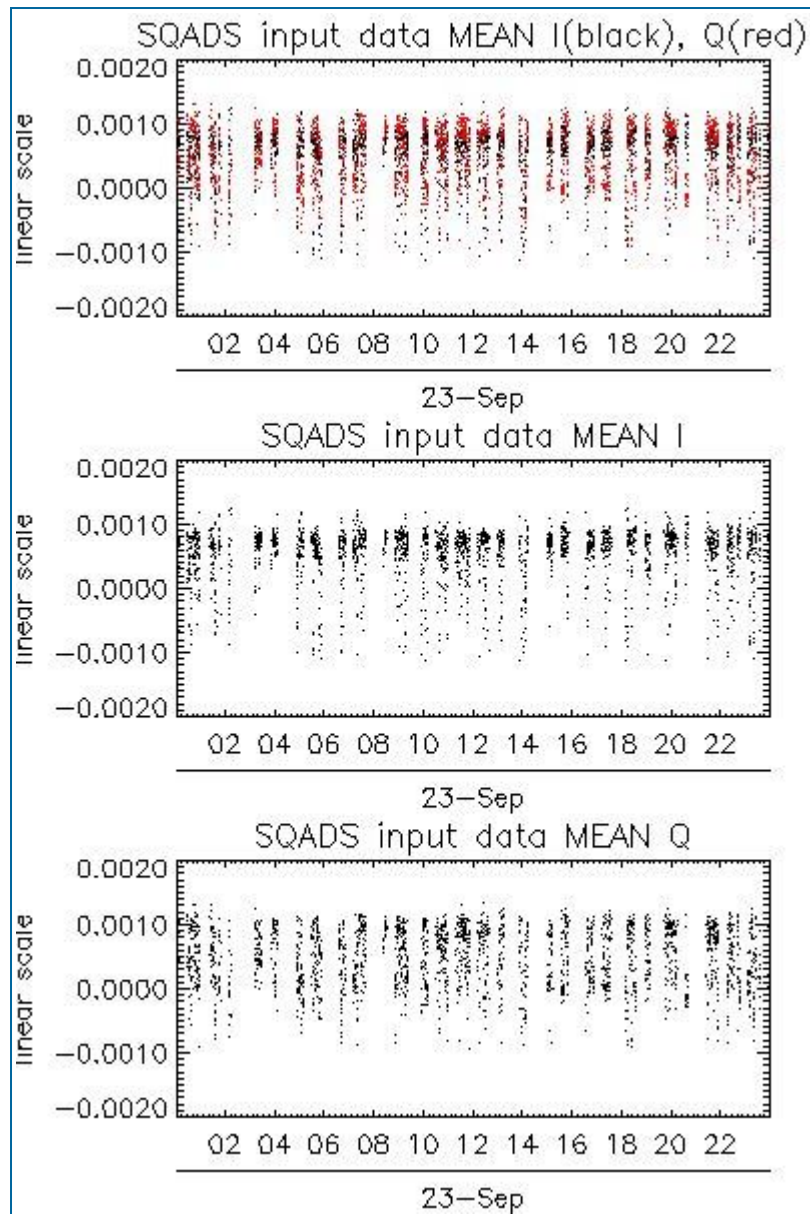


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

[[BACK TO MENU](#)]

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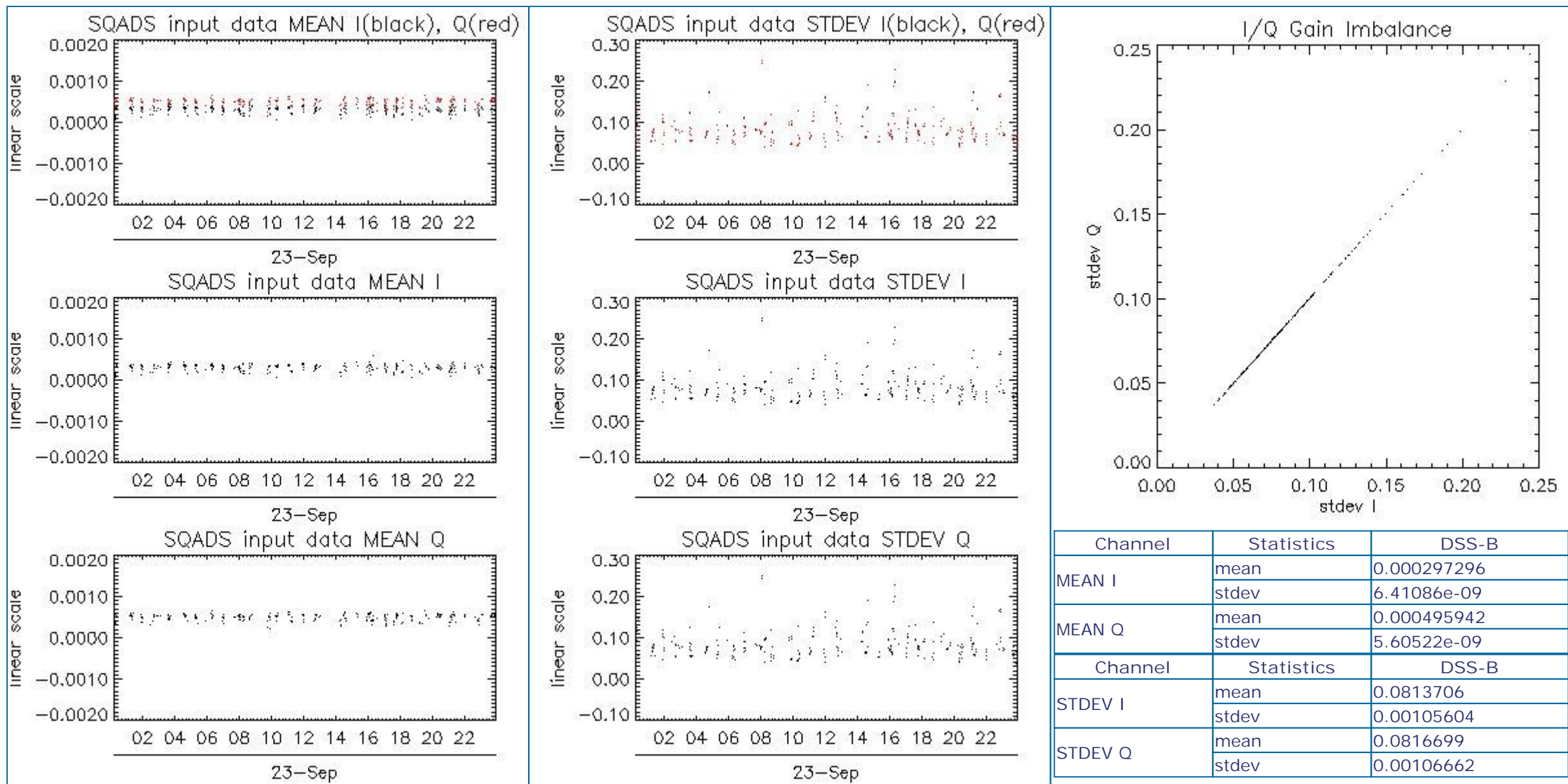


Channel	Statistics	DSS-B
MEAN I	mean	0.000543160
	stdev	1.76603e-07
MEAN Q	mean	0.000507487
	stdev	2.13908e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.137573
	stdev	0.00108509
STDEV Q	mean	0.137936
	stdev	0.00110268

7.2 - Analysis for IMM

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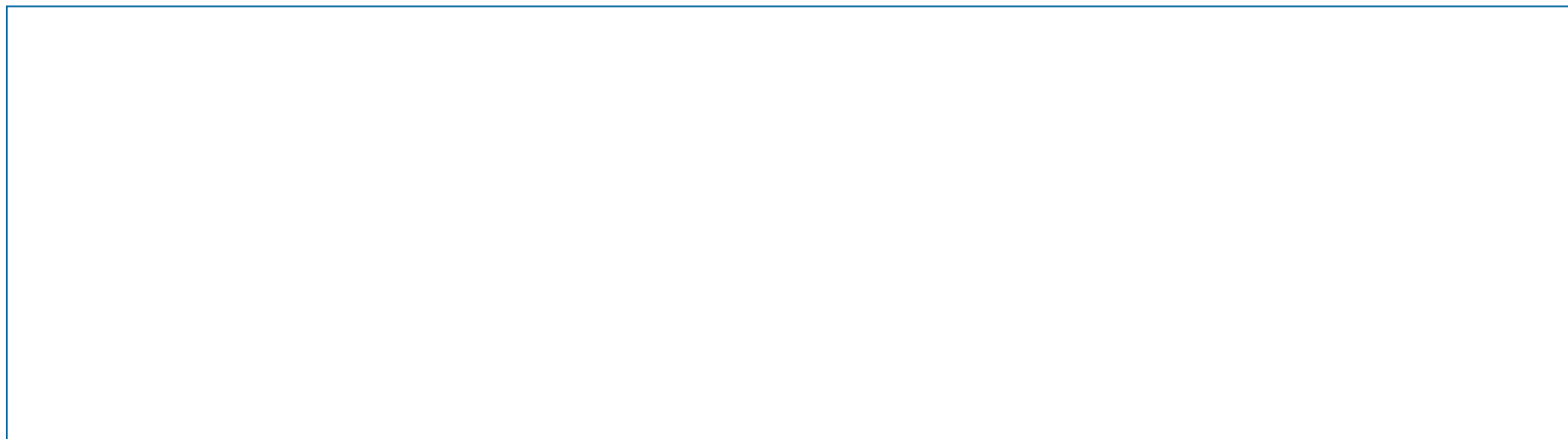


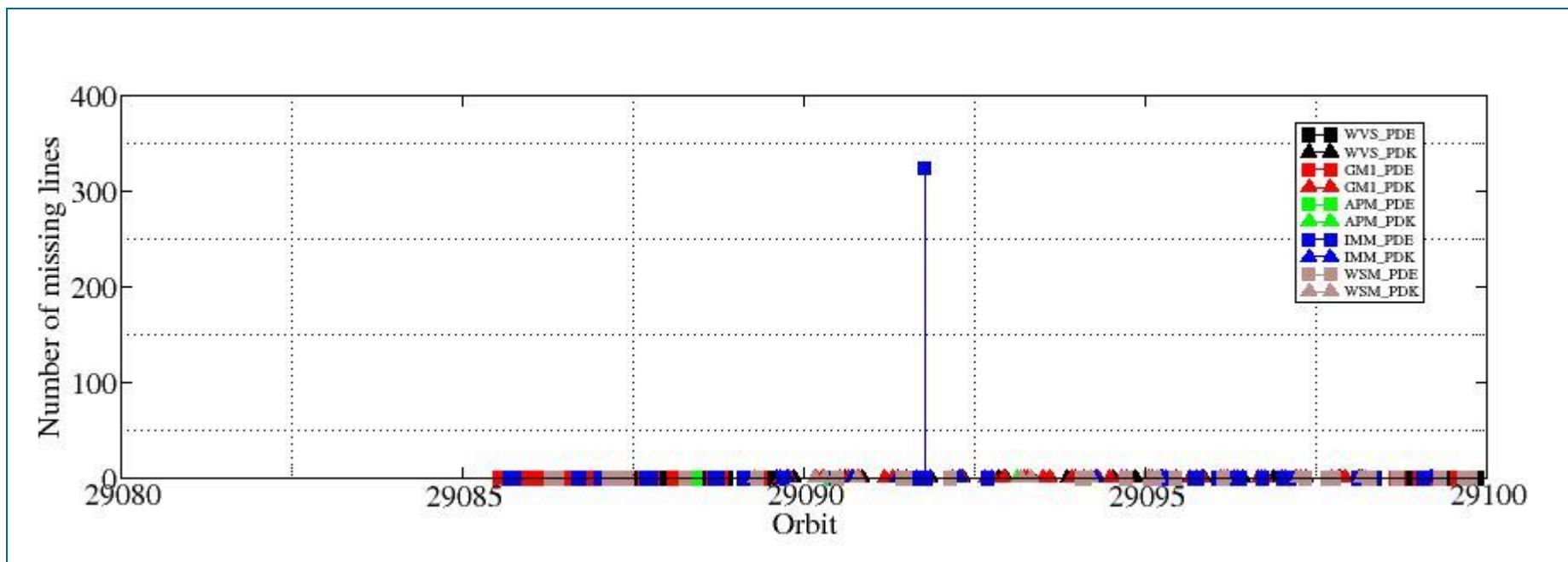
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_IMM_1PNPDE20070923_102320_00000182061_00480_29091_9284.N1	0	324

8.1 - Number of Missing lines

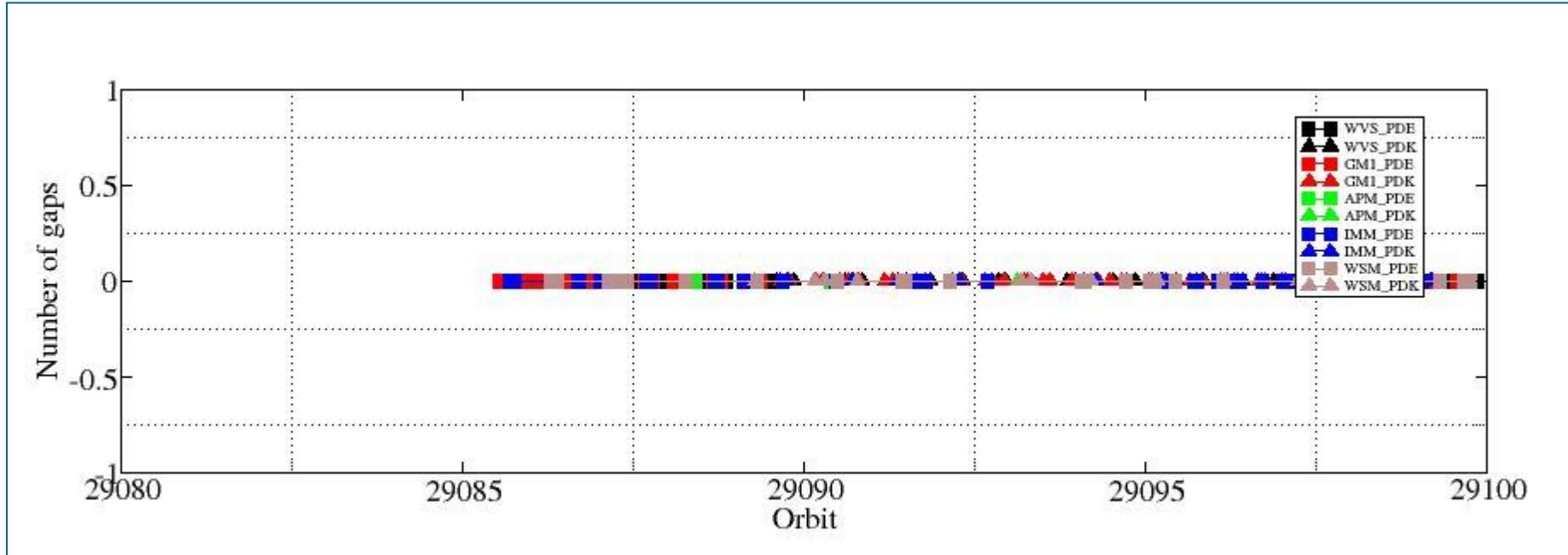
[[BACK TO MENU](#)]





8.2 - Number of Gaps

[[BACK TO MENU](#)]



ASAR DAILY REPORT for 070923
#####

MODE: DAILY
ANALYSIS: ALL
DATE: YESTERDAY

Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/070923/

DATA SUMMARY

Summary will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/070923/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/070923/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/070923/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/070923/AUXILIARY

Creating directory ./RESULTS/DAILY/070923/AUXILIARY...

Looking for the IECF operational ADFs list...



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

Writing file ./RESULTS/DAILY/070923/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/070923/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/070923/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/070923/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20050922_062651_000000152041_00034_18625_0041.N1
Test product: ASA_MS__0PNPDK20070923_183646_000000162061_00485_29096_0379.N1

H
H
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/TGH_20070923_183646-20050922_062651.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/TPH_20070923_183646-20050922_062651.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/RGH_20070923_183646-20050922_062651.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/RPH_20070923_183646-20050922_062651.png

Polarization: V
Reference product: ASA_MS__0PNPDK20050923_055514_000000152041_00048_18639_0042.N1
Test product: ASA_MS__0PNPDE20070922_204859_000000162061_00472_29083_0215.N1

V
V
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/TGV_20070922_204859-20050923_055514.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/TPV_20070922_204859-20050923_055514.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/RGV_20070922_204859-20050923_055514.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/SECOND_REFERENCE/RPV_20070922_204859-20050923_055514.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20070921_143813_000000162061_00454_29065_0378.N1
Test product: ASA_MS__0PNPDK20070923_183646_000000162061_00485_29096_0379.N1

H
H
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20070923_183646-20070921_143813.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20070923_183646-20070921_143813.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20070923_183646-20070921_143813.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20070923_183646-20070921_143813.png

Polarization: V
Reference product: ASA_MS__0PNPDK20070920_100802_000000162061_00437_29048_0377.N1
Test product: ASA_MS__0PNPDE20070922_204859_000000162061_00472_29083_0215.N1

V

V

../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20070922_204859-20070920_100802.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20070922_204859-20070920_100802.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20070922_204859-20070920_100802.png
../../RESULTS/DAILY/070923/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20070922_204859-20070920_100802.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/070923/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-09-23_1.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-09-23_2.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-09-23_3.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2007-09-23_4.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/070923//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 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-09-23_1.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-09-23_2.dat...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-09-23_3.dat...
Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-09-23 00:00:00 to 2007-09-23 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/070923/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2007-09-23_4.dat...
Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/070923//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/070923/DOPPLER...

DOPPLER ANX Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DOPPLER/Doppler_data_WVS_IS2_VV_2007-09-23.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/070923/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DOPPLER/Doppler_data_GM1_SS1_HH_2007-09-23.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/070923/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2007-09-23 00:00:00 to 2007-09-23 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/DOPPLER/Doppler_Jumps_data_WSM_2007-09-23.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/070923/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/070923/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 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 = -24.587437 Hz
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -15.375782 Hz
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/070923//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 = -16.069939 Hz
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -28.508327 Hz
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/070923//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/070923/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/CHIRP/ScaleFactor_data_WSM_SS1_HH_2007-09-23.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/070923/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/070923/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/CHIRP/ScaleFactor_data_WSM_SS1_VV_2007-09-23.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/070923/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/070923/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/070923/RAW_DATA

Creating directory ./RESULTS/DAILY/070923/RAW_DATA...

Getting raw data for WVS from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/RAW_DATA/Raw_data_WVS_2007-09-23.dat...
Running IDL program to create graphs...

Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2007-09-23 00:00:00 to 2007-09-23 23:59:59...
Writing file ./RESULTS/DAILY/070923/RAW_DATA/Raw_data_IMM_2007-09-23.dat...
Running IDL program to create graphs...

Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../RESULTS/DAILY/070923/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2007-09-23 00:00:00 to 2007-09-23 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/070923/TELEMETRY

Creating directory ./RESULTS/DAILY/070923/TELEMETRY...

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

Checking 22 products from PDE...
Checking 20 products from PDK...

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

Checking 35 products from PDE...
Checking 48 products from PDK...

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

Checking 3 products from PDE...
Checking 1 products from PDK...

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

Checking 34 products from PDE...
Found product...ASA_IMM_1PNPDE20070923_102320_00000182061_00480_29091_9284.N1 / 0 gaps / 324 missing lines
Checking 11 products from PDK...

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

Checking 31 products from PDE...
Checking 12 products from PDK...

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/070923/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/070923/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

BROWSE PRODUCTS ANALYSIS

Analysis will be performed on 2007-09-23

Scanning directory /nas3/ENVISAT/ASAR//ASA_GM_BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_GM_BP/JPG/20070923/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_174956_000004892061_00485_29096_3728.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_175859_000002472061_00485_29096_3730.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_180416_000002352061_00485_29096_3732.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_183525_000000782061_00485_29096_3736.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_183810_000000962061_00485_29096_3734.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_184426_000005252061_00485_29096_3741.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_191021_000001022061_00486_29097_3743.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_191413_000004412061_00486_29097_3745.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_193107_000001202061_00486_29097_3857.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_193609_000004102061_00486_29097_3859.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_202118_000002172061_00486_29097_3861.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_203139_000001992061_00486_29097_3863.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20070923_204113_000010202061_00486_29097_3950.N1 ...

ANALYSIS COMPLETED: 13 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/20070923/

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/20070923/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPDK20070923_210240_000001132061_00487_29098_3956.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPDK20070923_210912_000000692061_00487_29098_3966.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPDK20070923_224842_000000352061_00488_29099_3987.N1 ...

ANALYSIS COMPLETED: 3 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/20070923/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20070923_174416_000003302061_00485_29096_3726.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20070923_192344_000004282061_00486_29097_3855.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20070923_193316_000001652061_00486_29097_3853.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20070923_210520_000002192061_00487_29098_3985.N1 ...

ANALYSIS COMPLETED: 4 WS browse products to see...

BROWSE PRODUCTS ANALYSIS completed
#####

HTML REPORT generation
#####

Building file ./RESULTS/DAILY/070923/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...

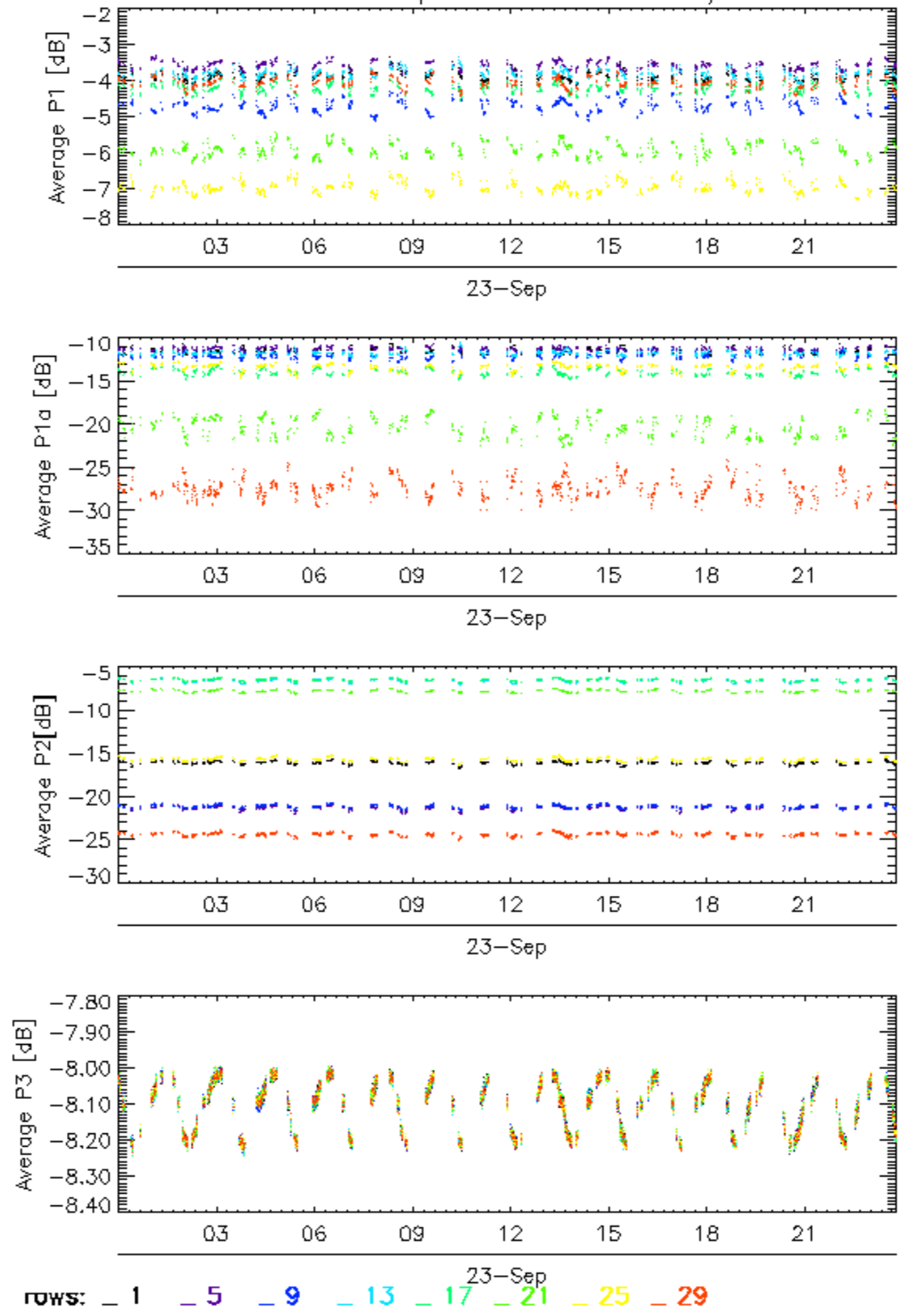
HTML REPORT generation completed
#####



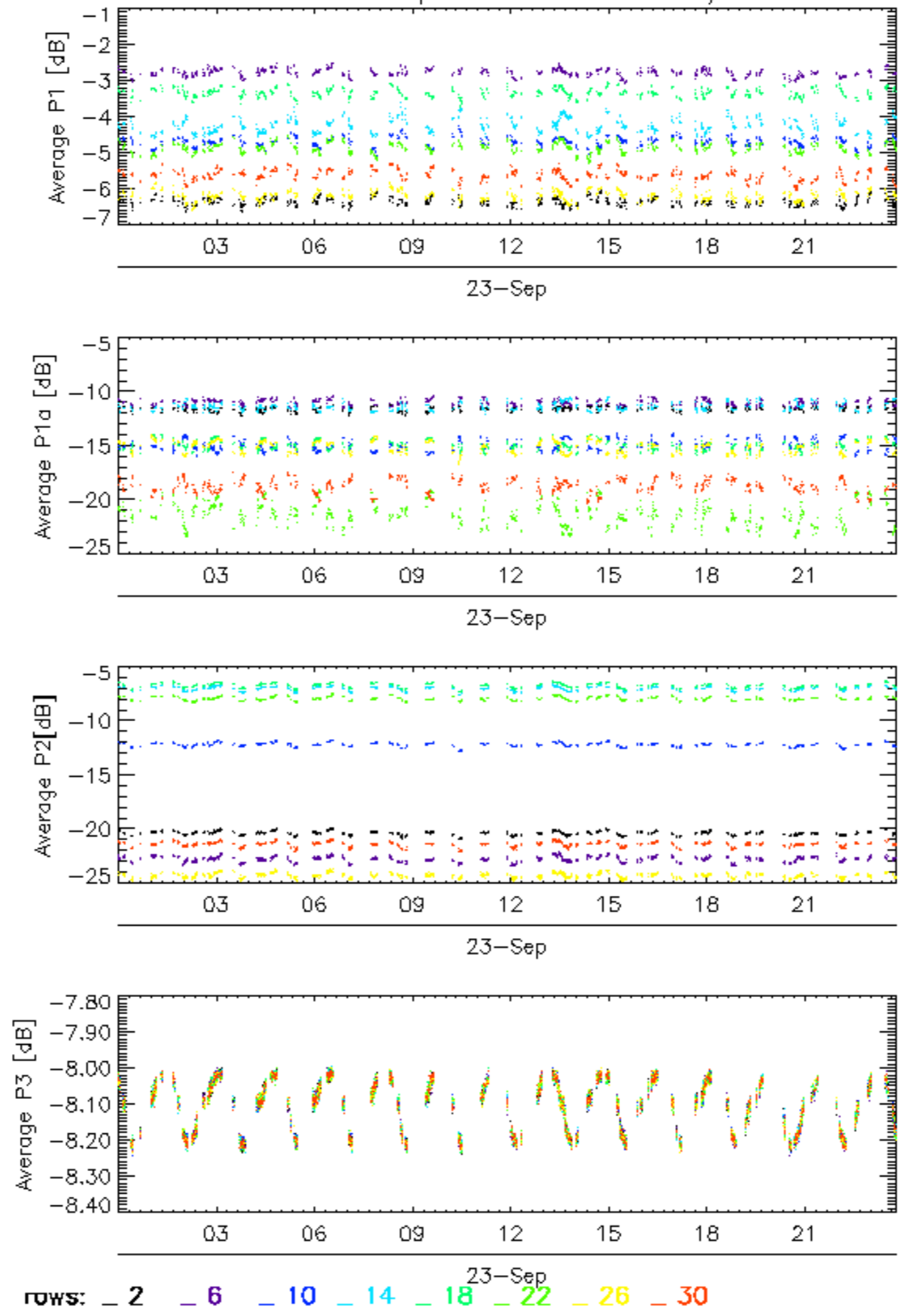
ASAR Daily Report



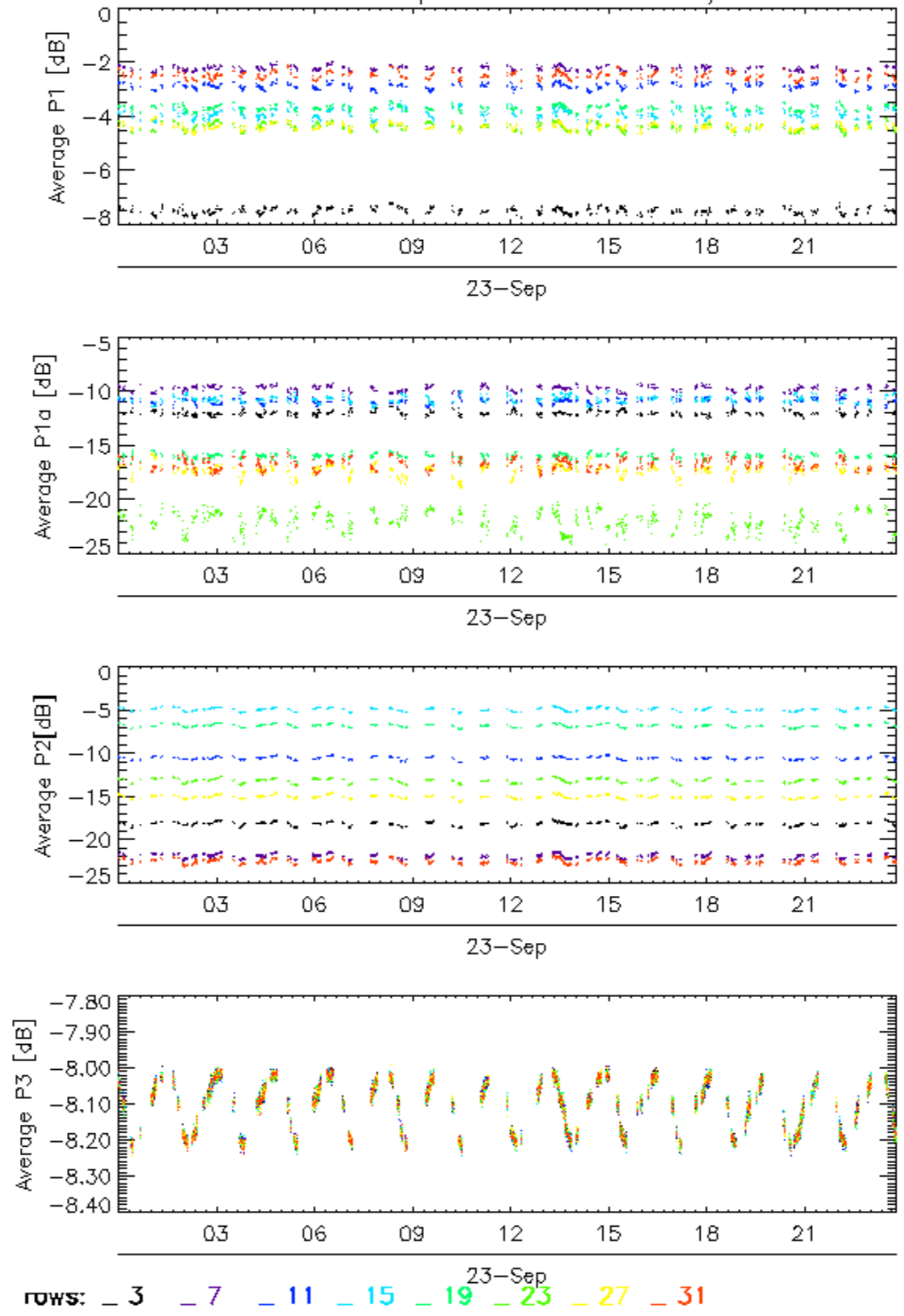
Calibration pulses for GM1 SS3 H/H



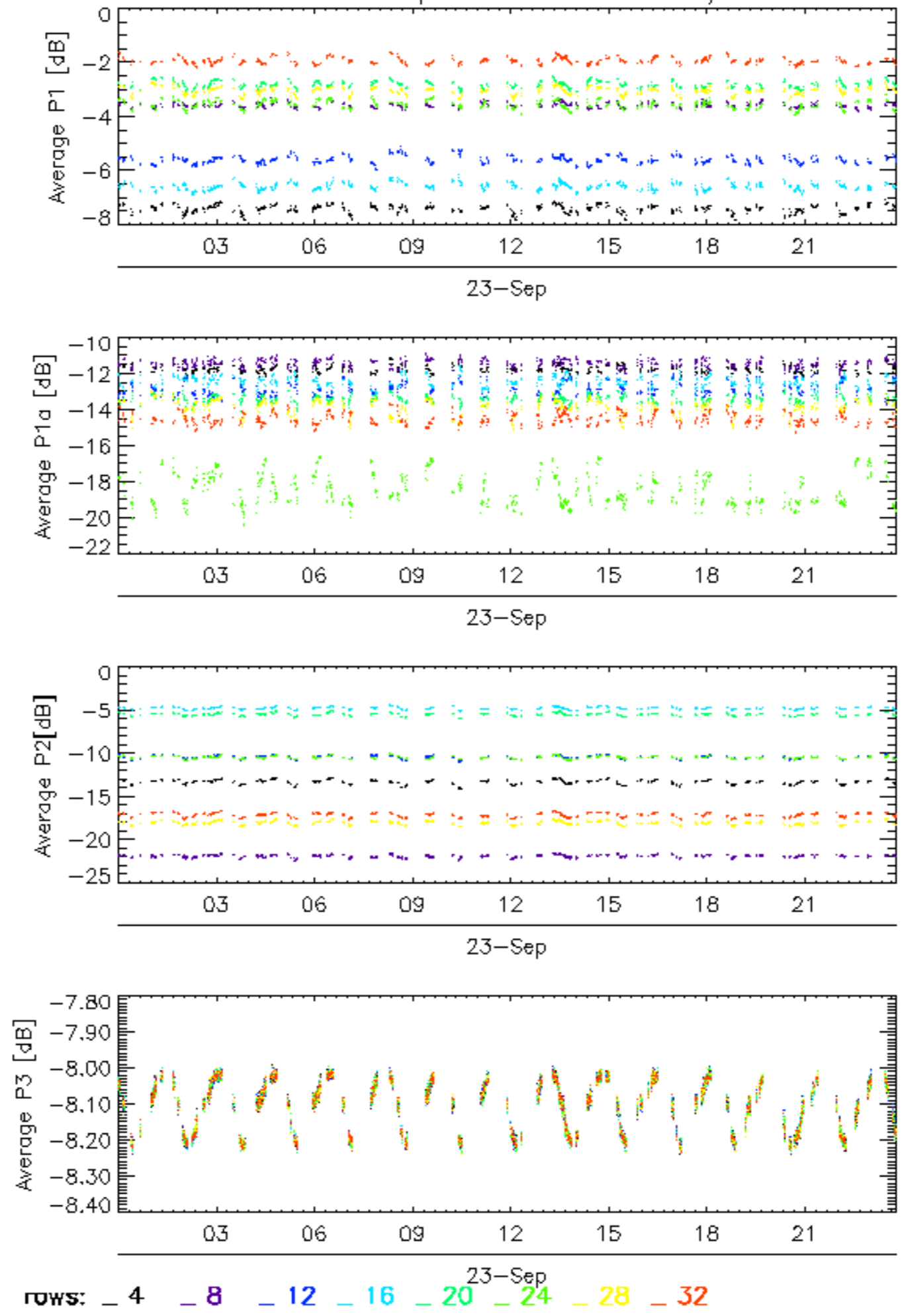
Calibration pulses for GM1 SS3 H/H



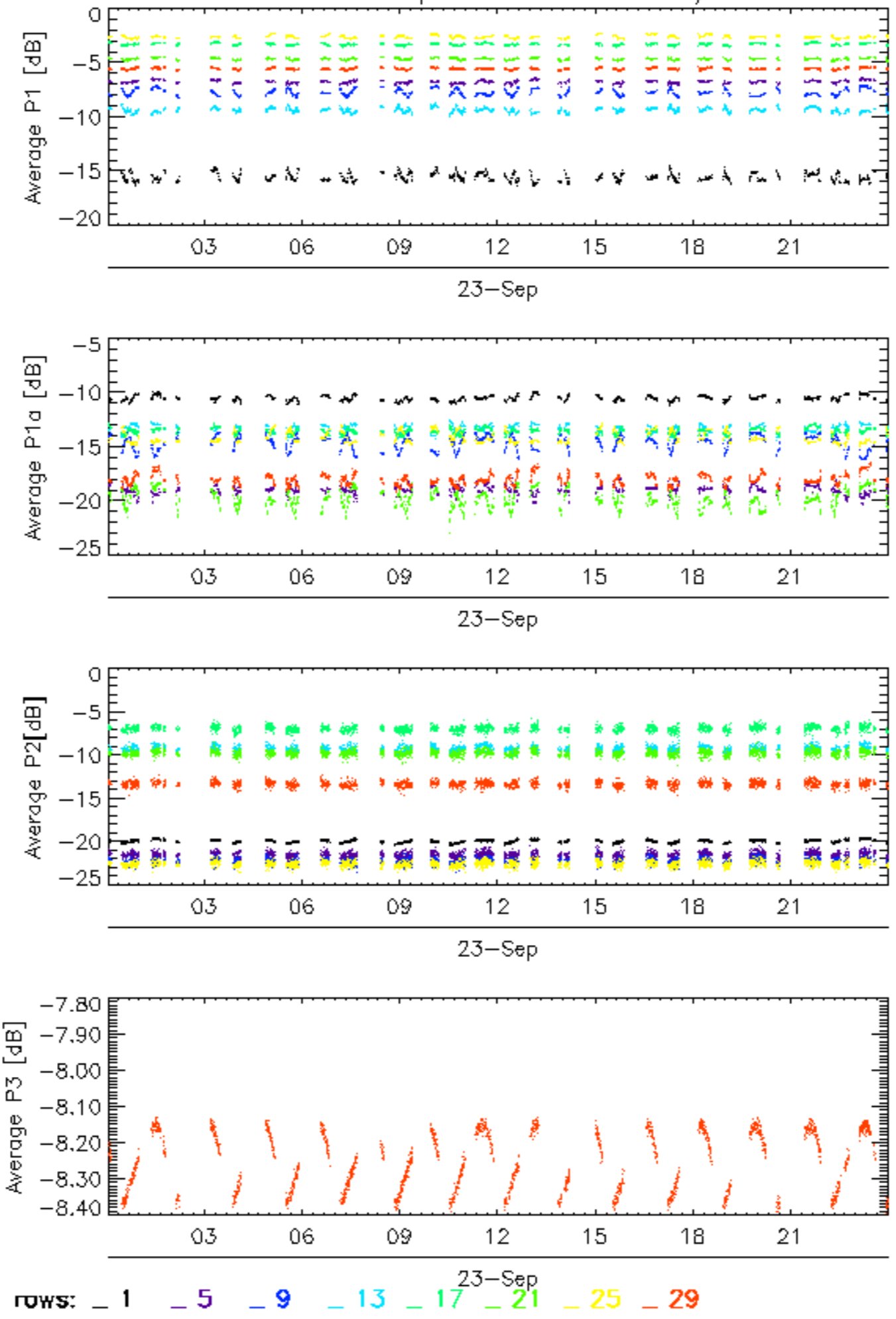
Calibration pulses for GM1 SS3 H/H



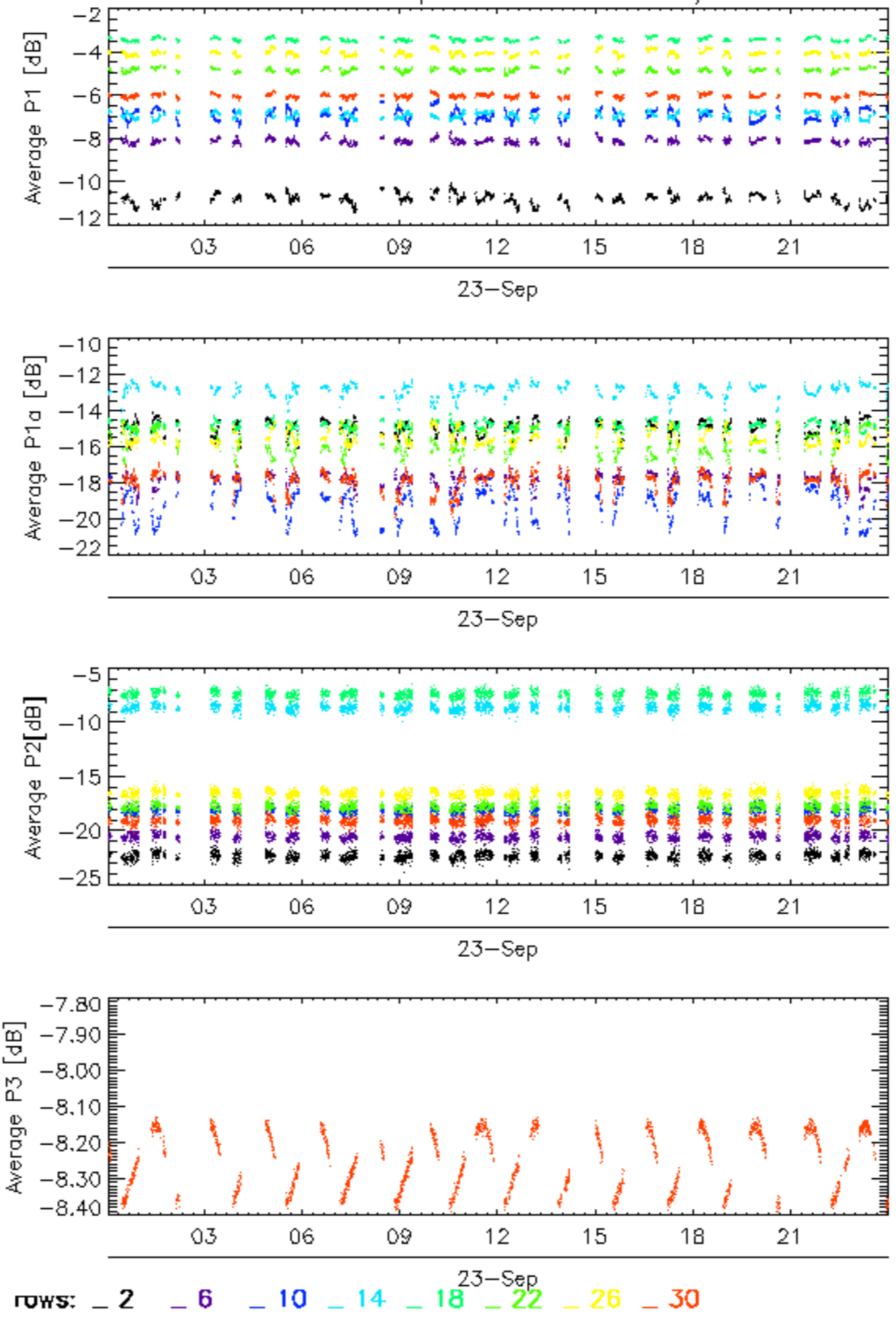
Calibration pulses for GM1 SS3 H/H



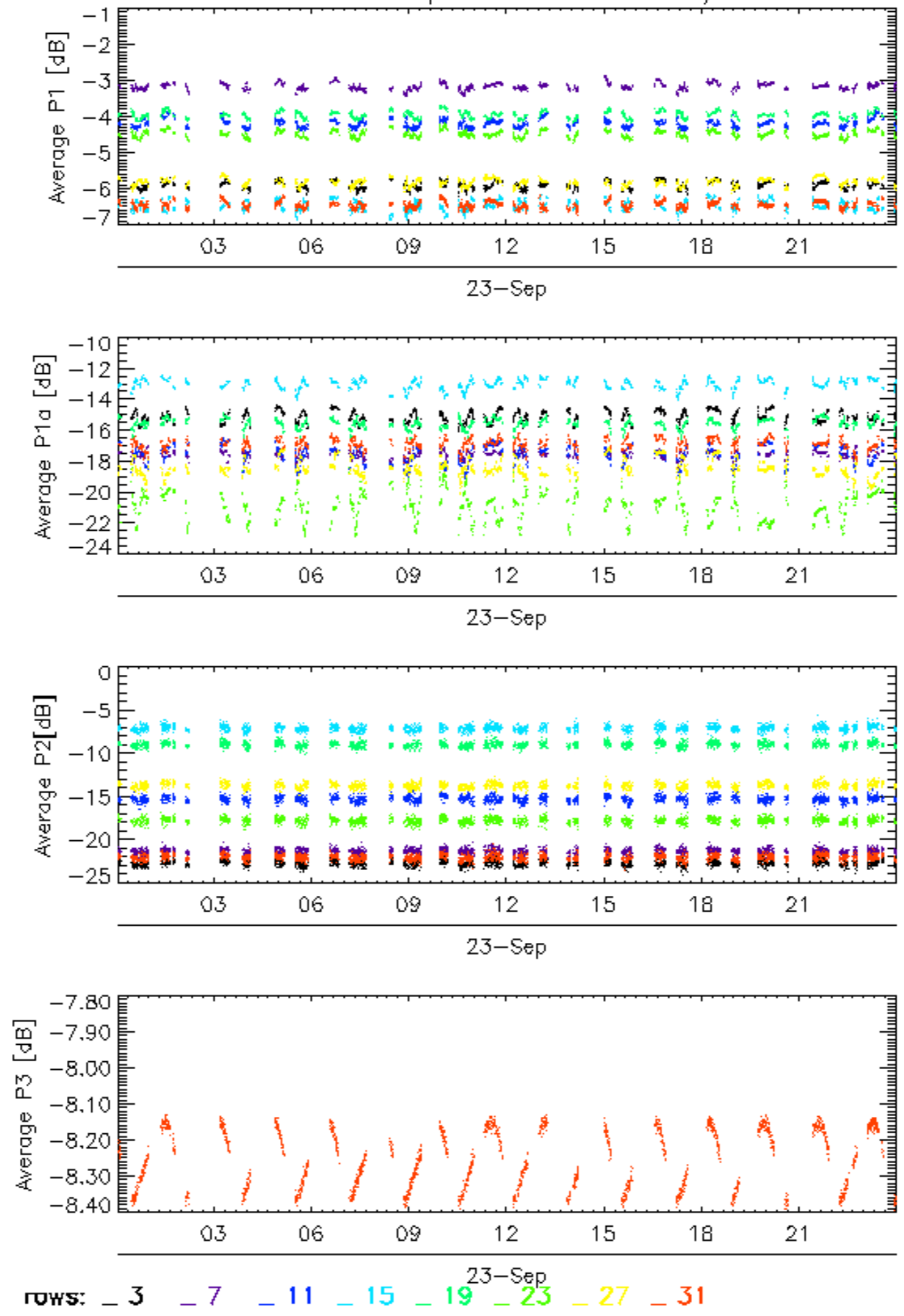
Calibration pulses for WVS IS2 V/V



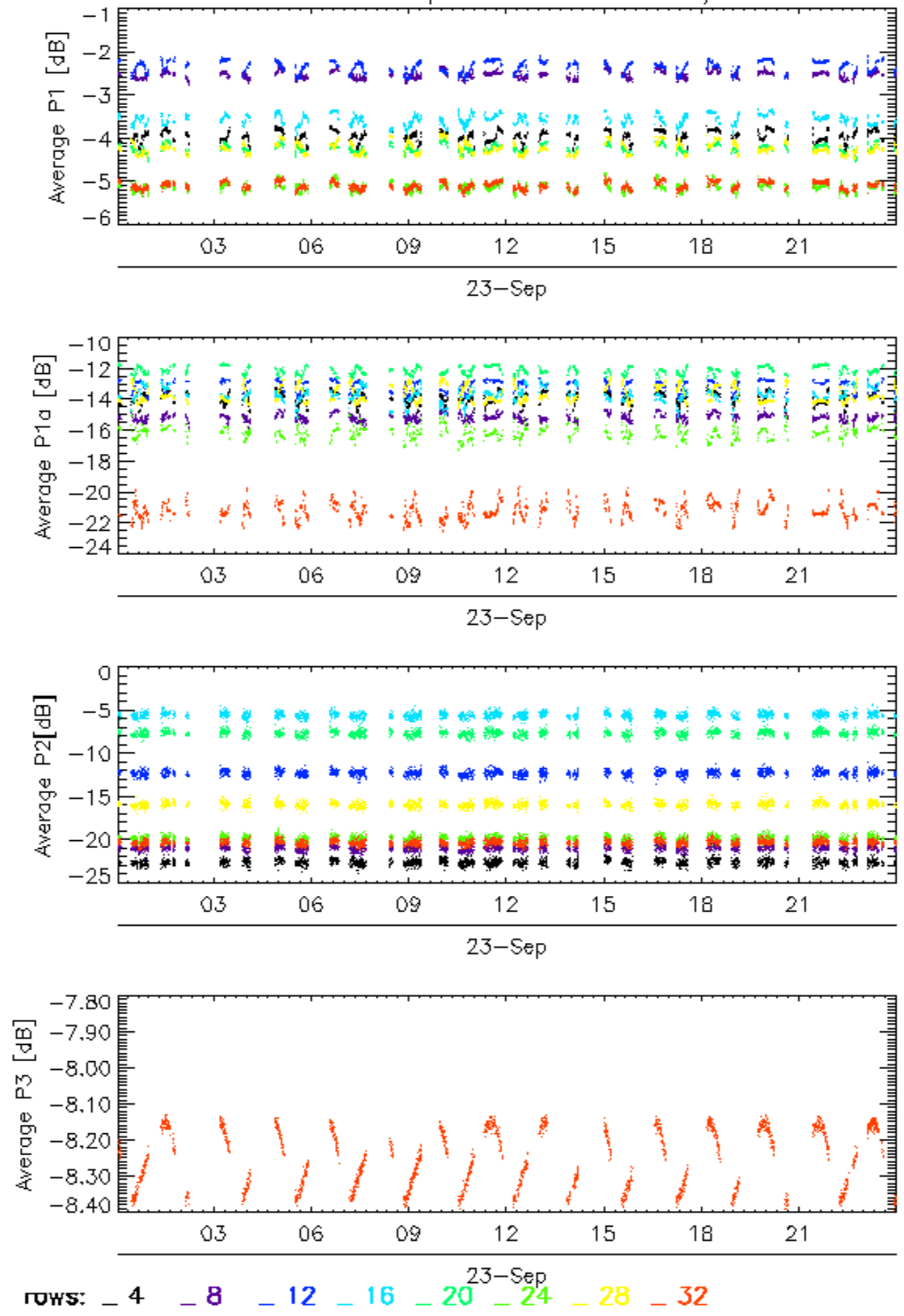
Calibration pulses for WVS IS2 V/V

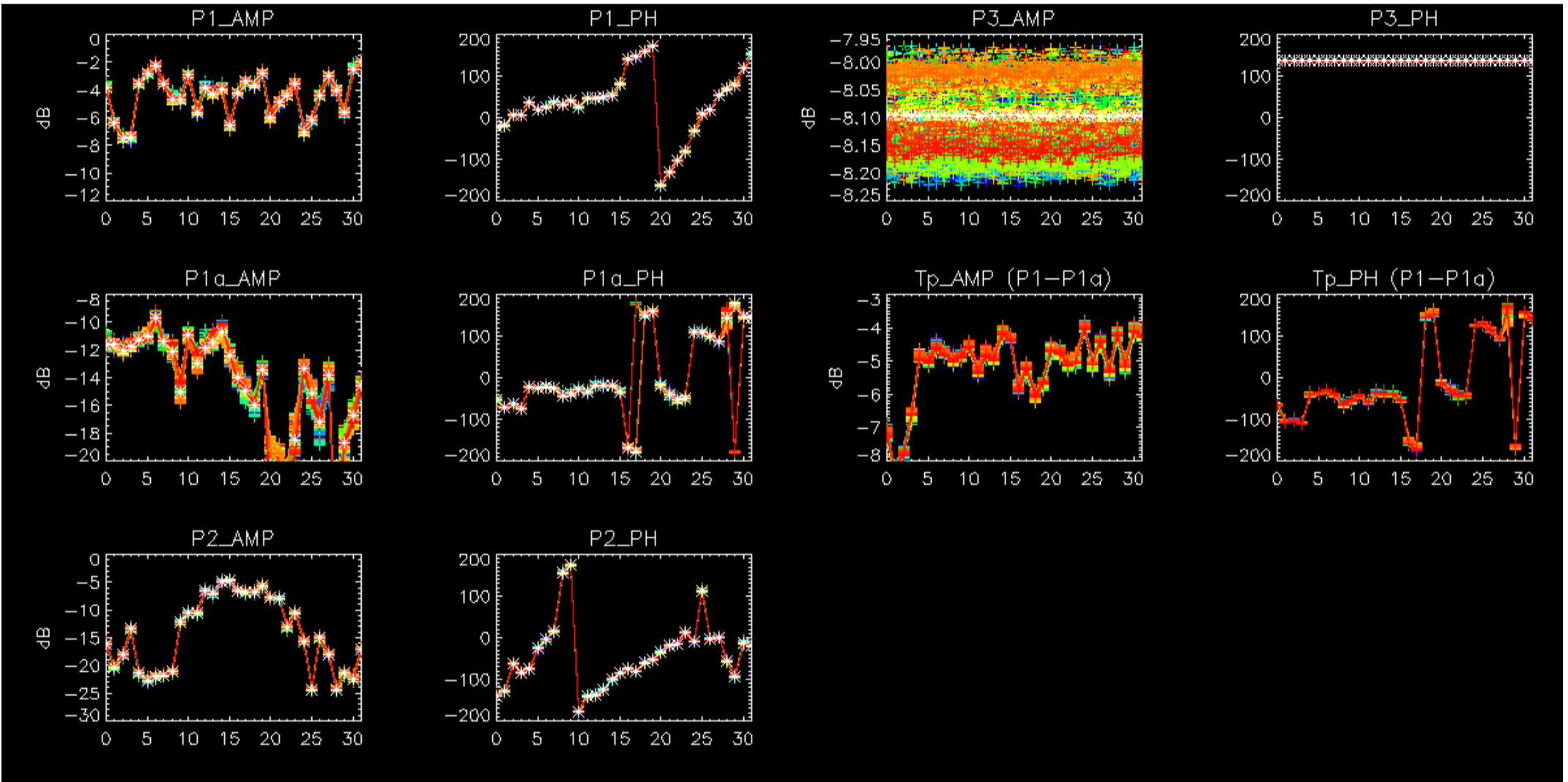


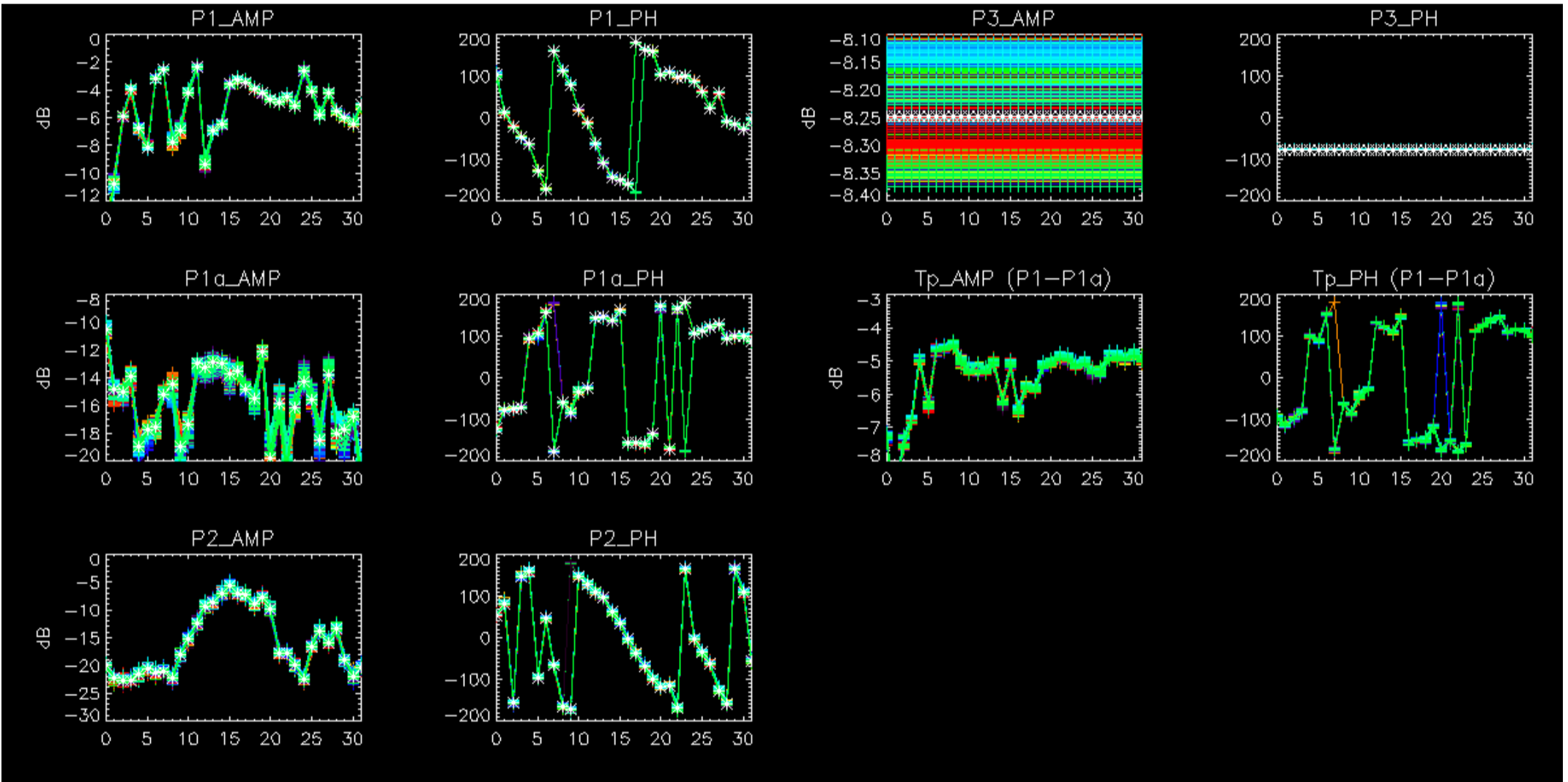
Calibration pulses for WVS IS2 V/V

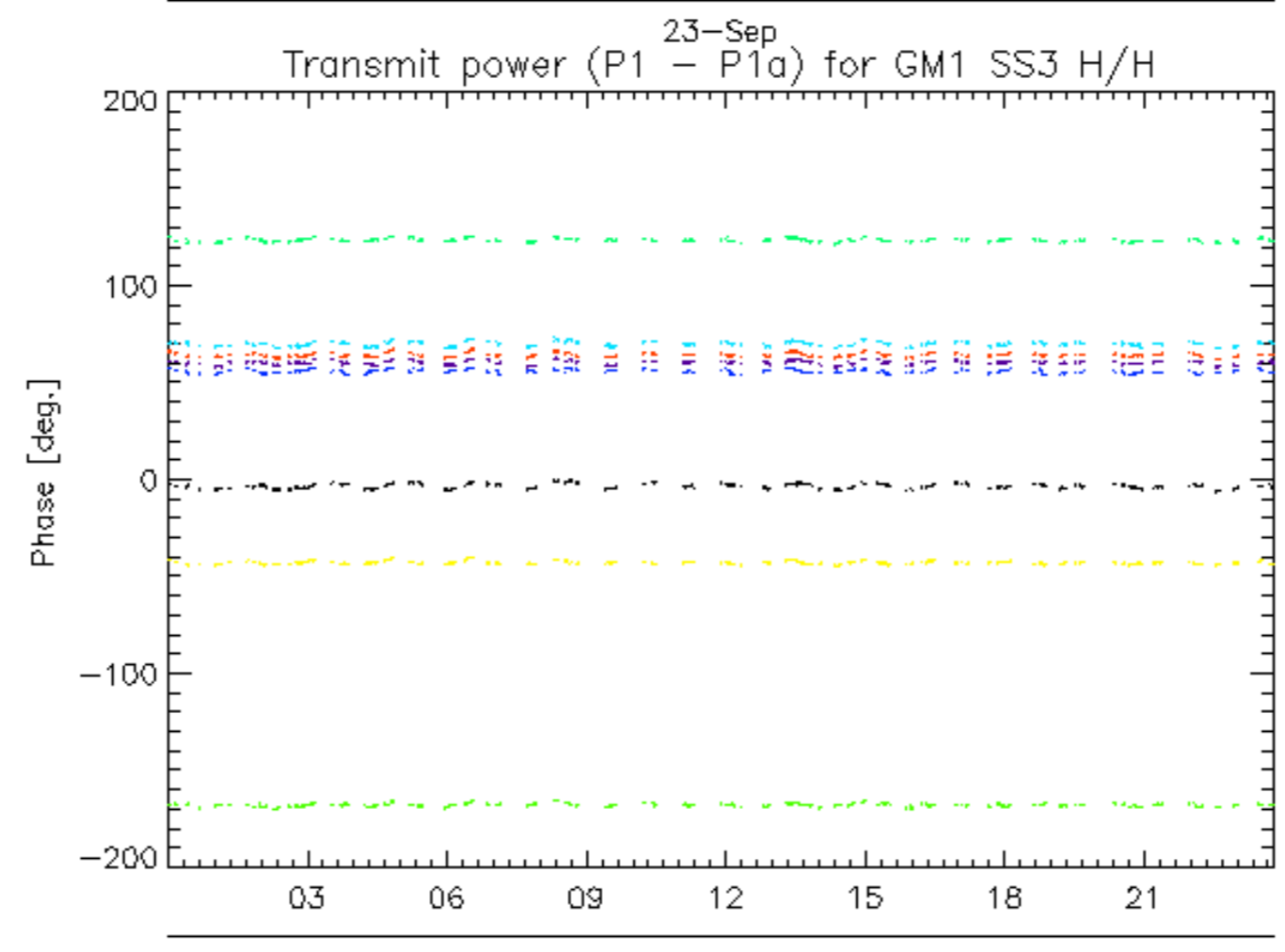
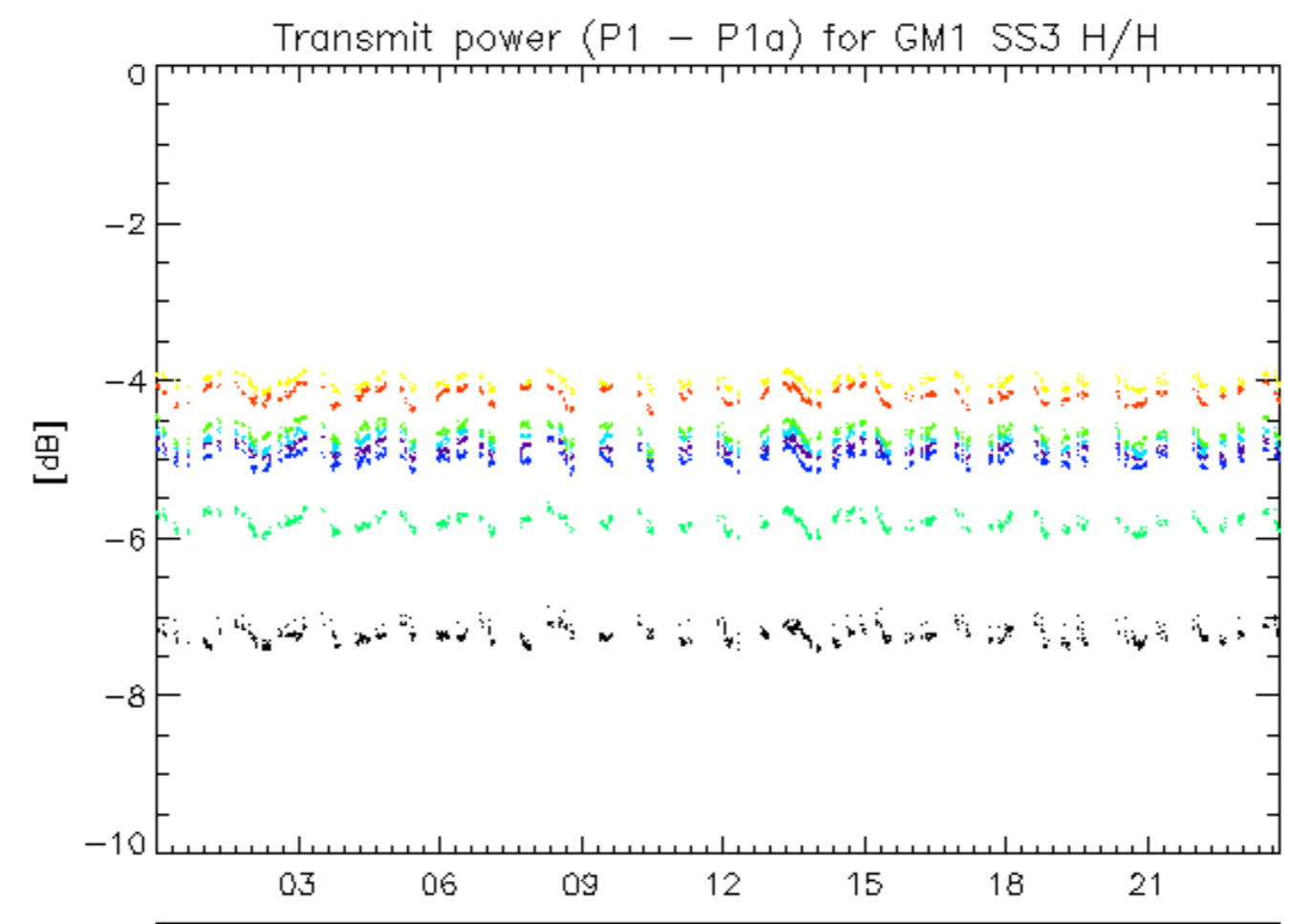


Calibration pulses for WVS IS2 V/V

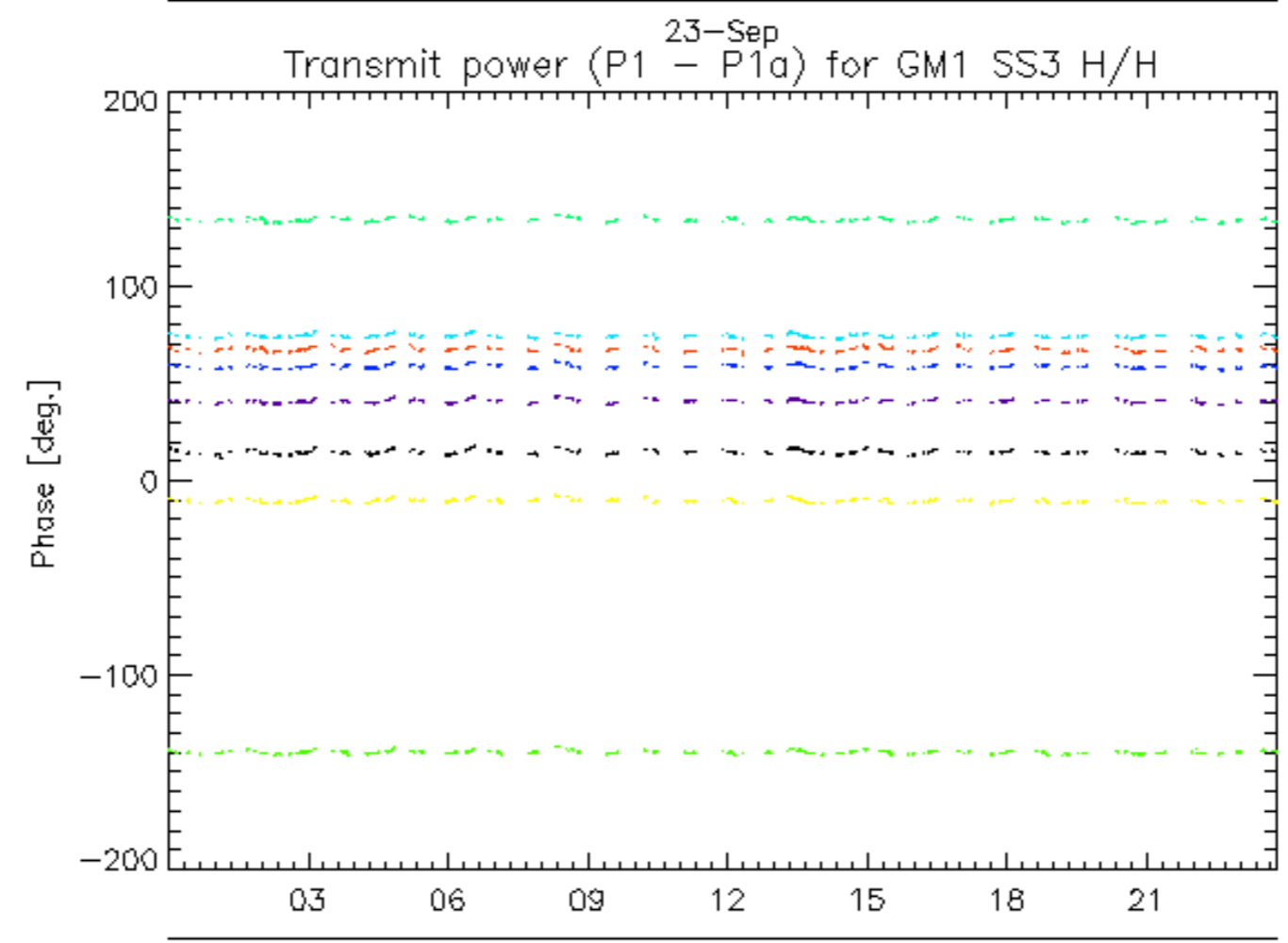
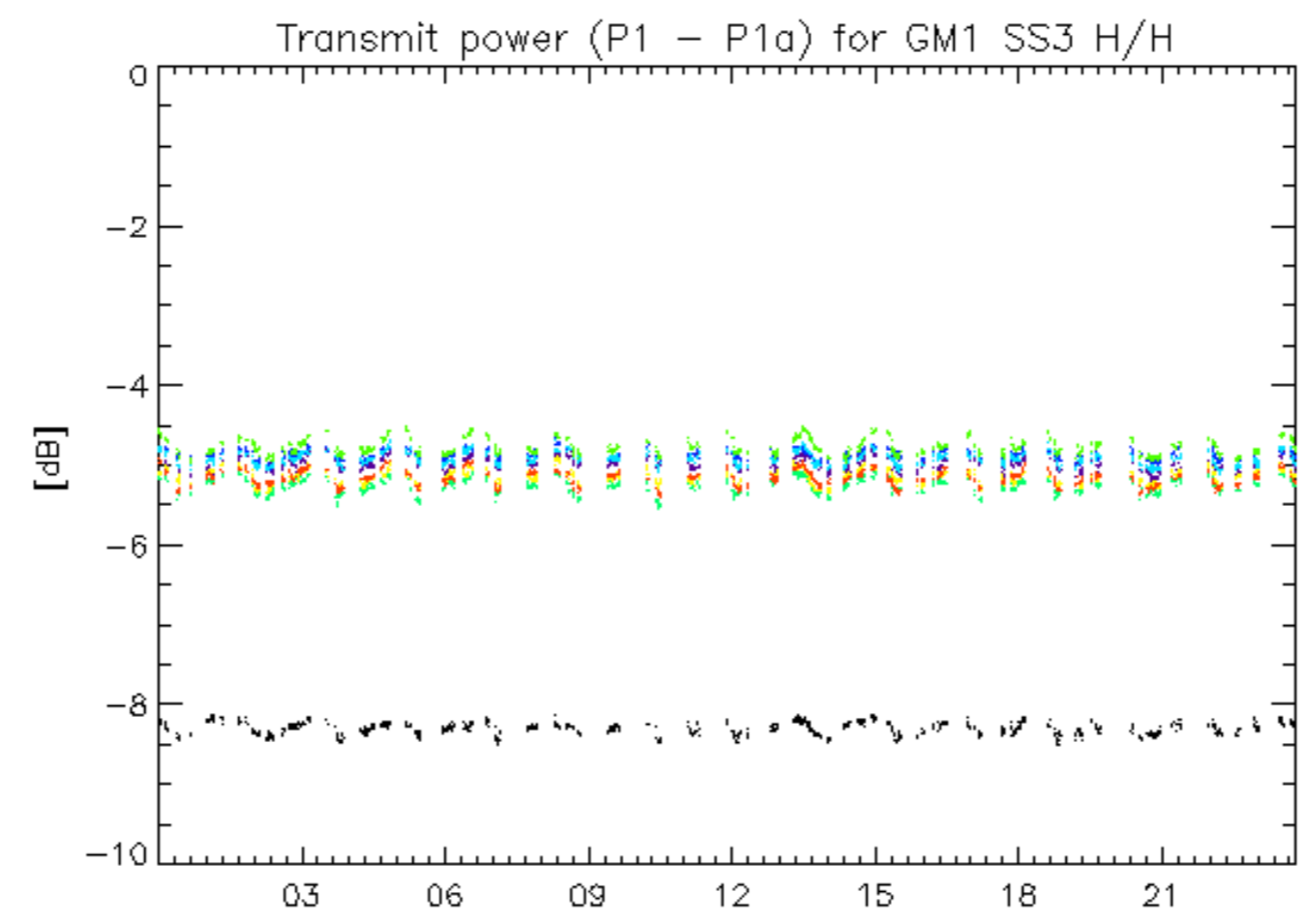




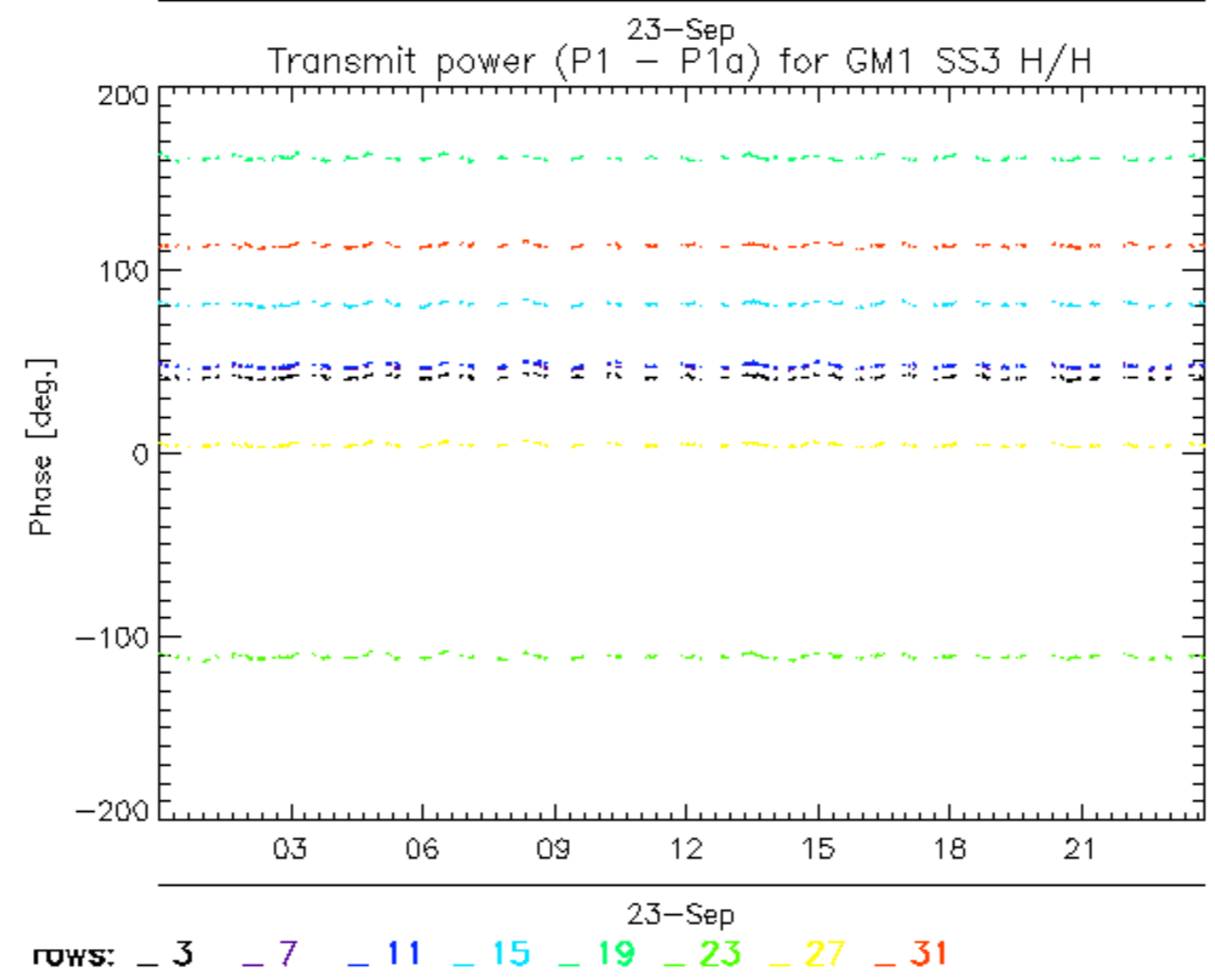
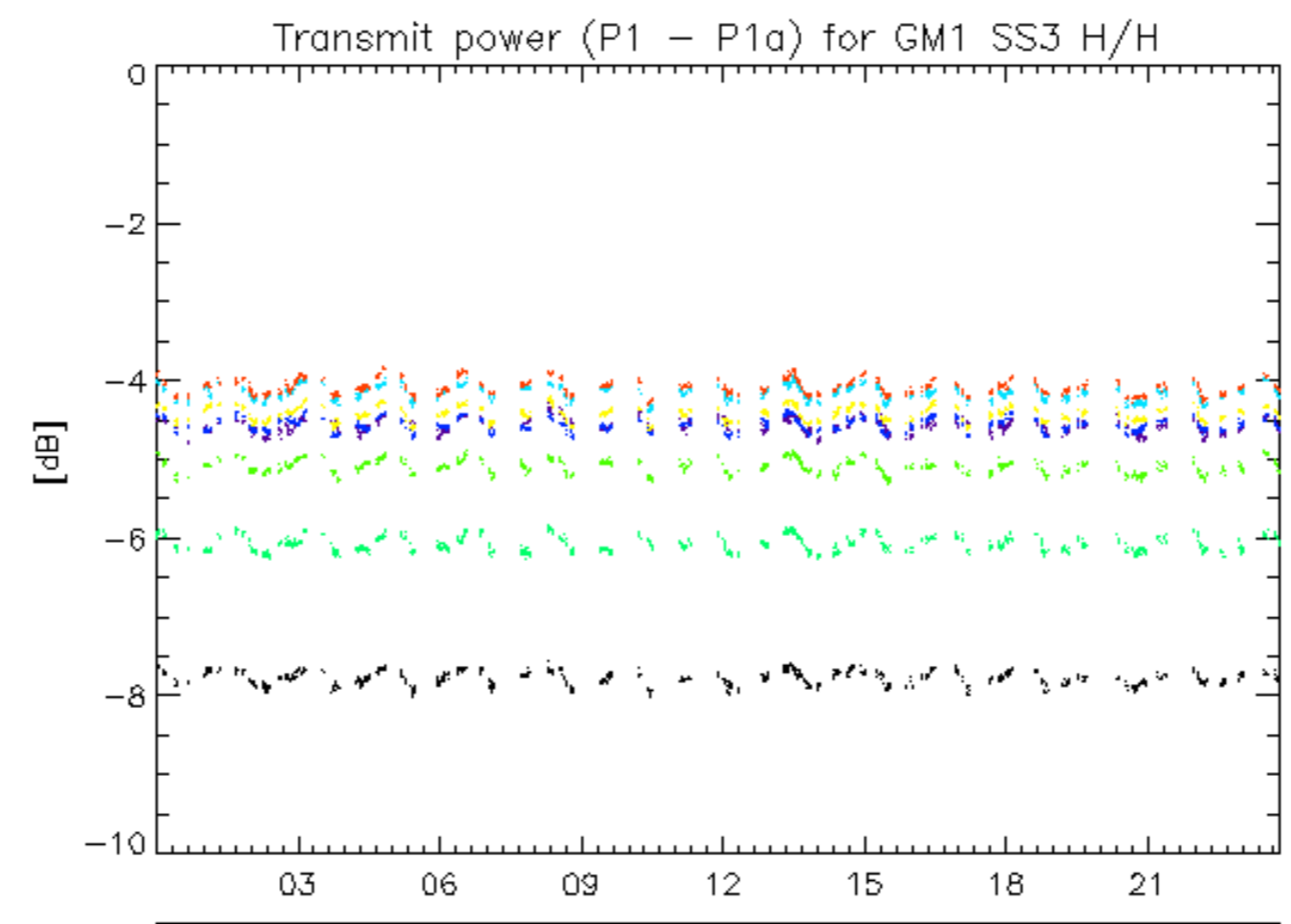


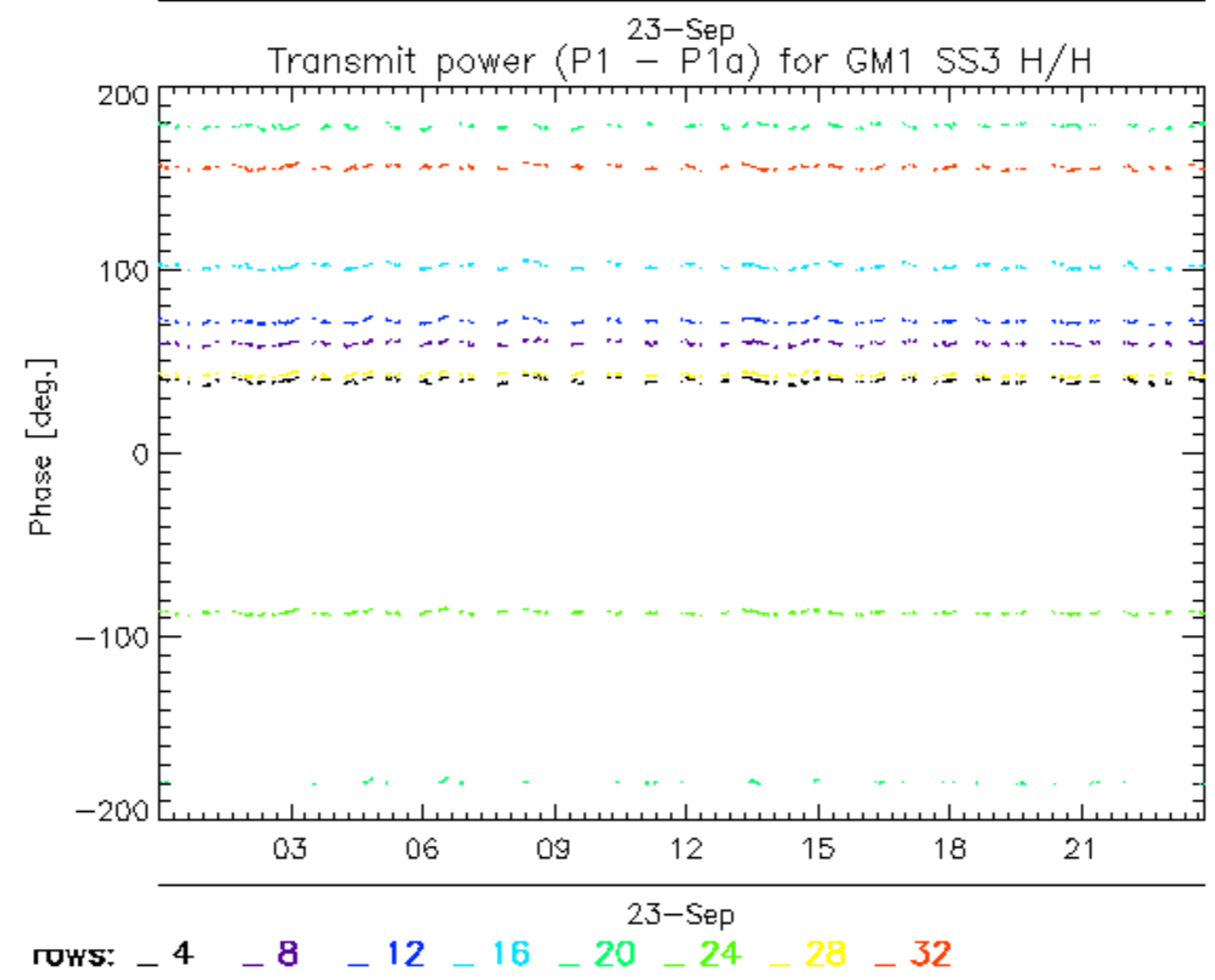
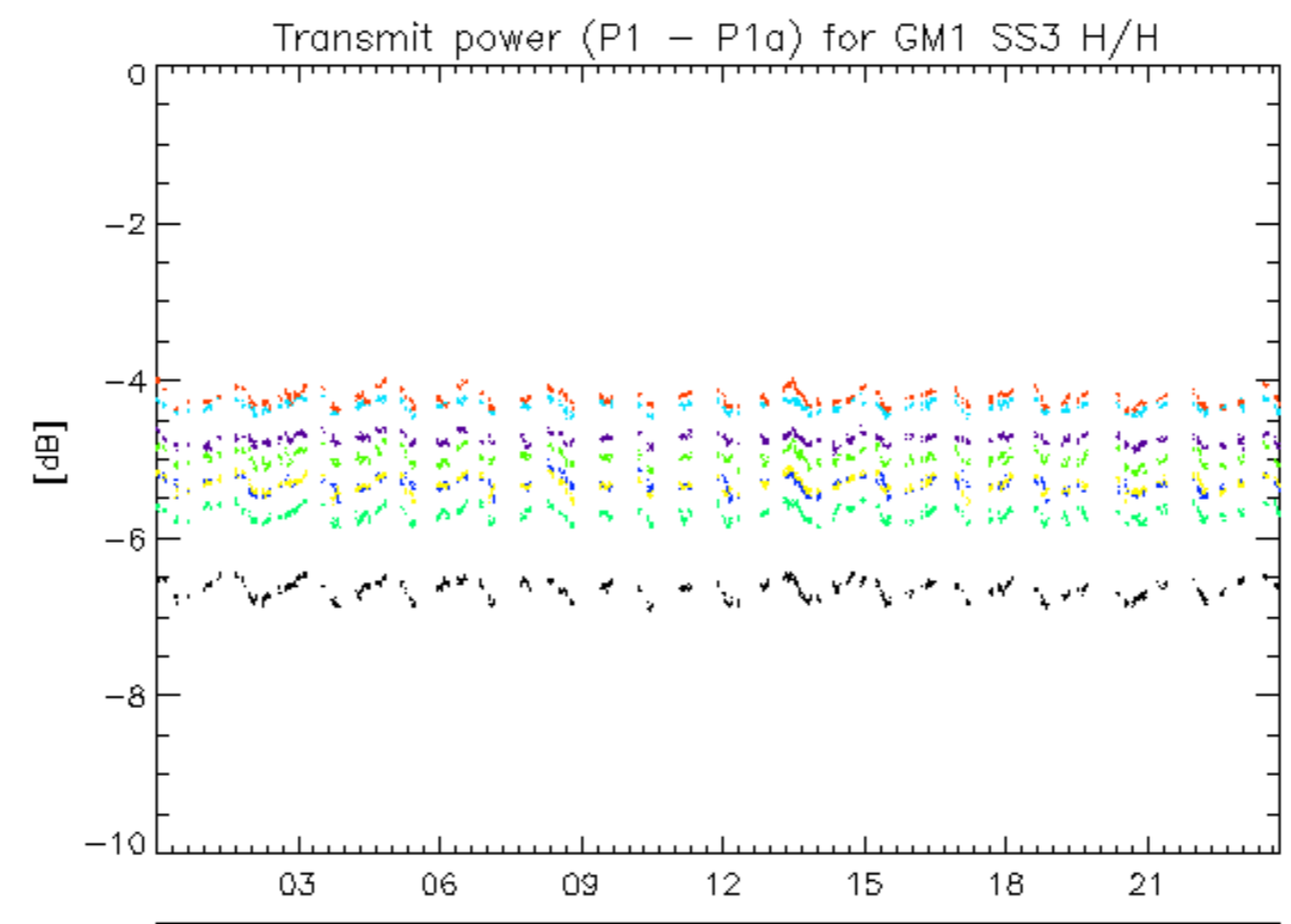


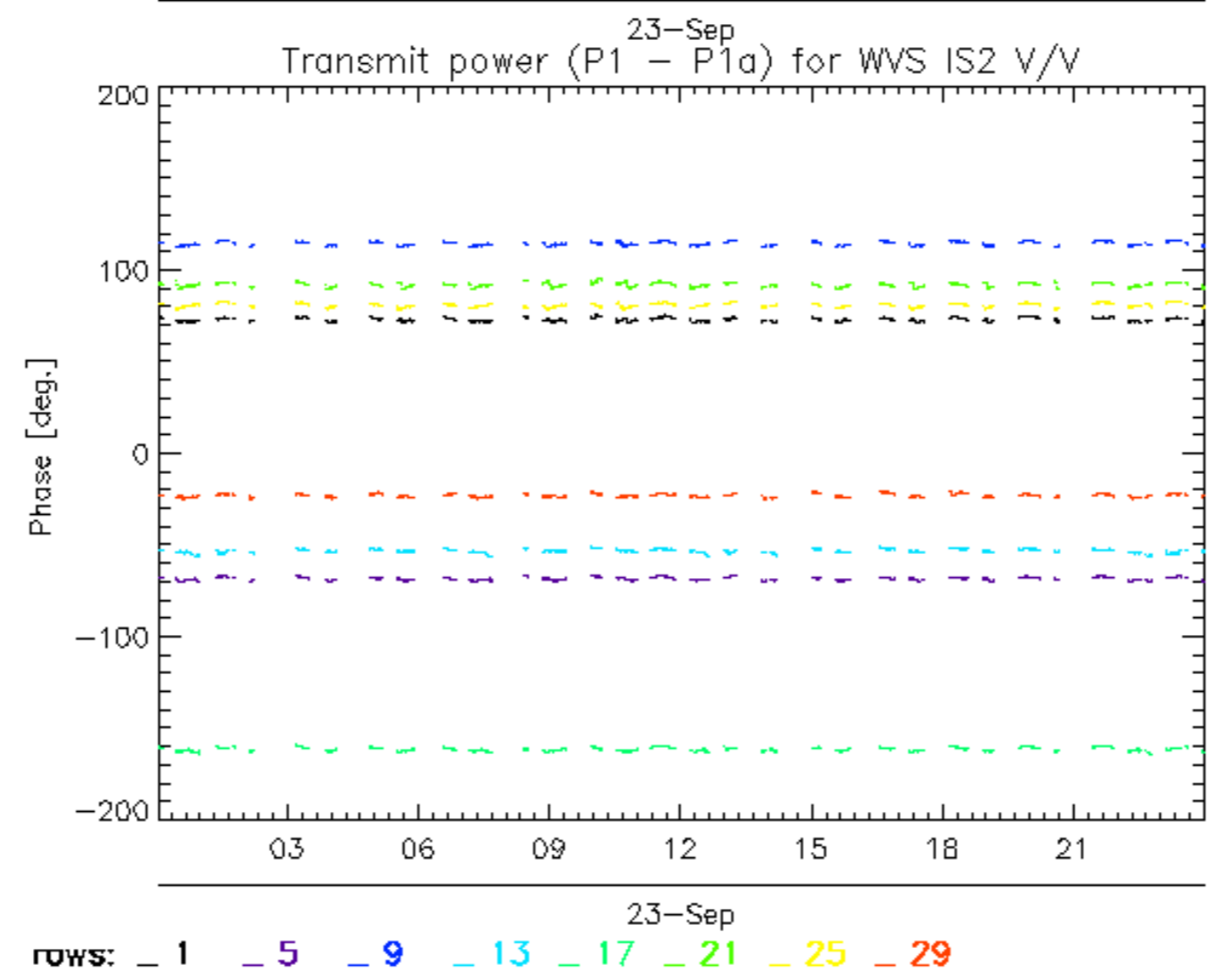
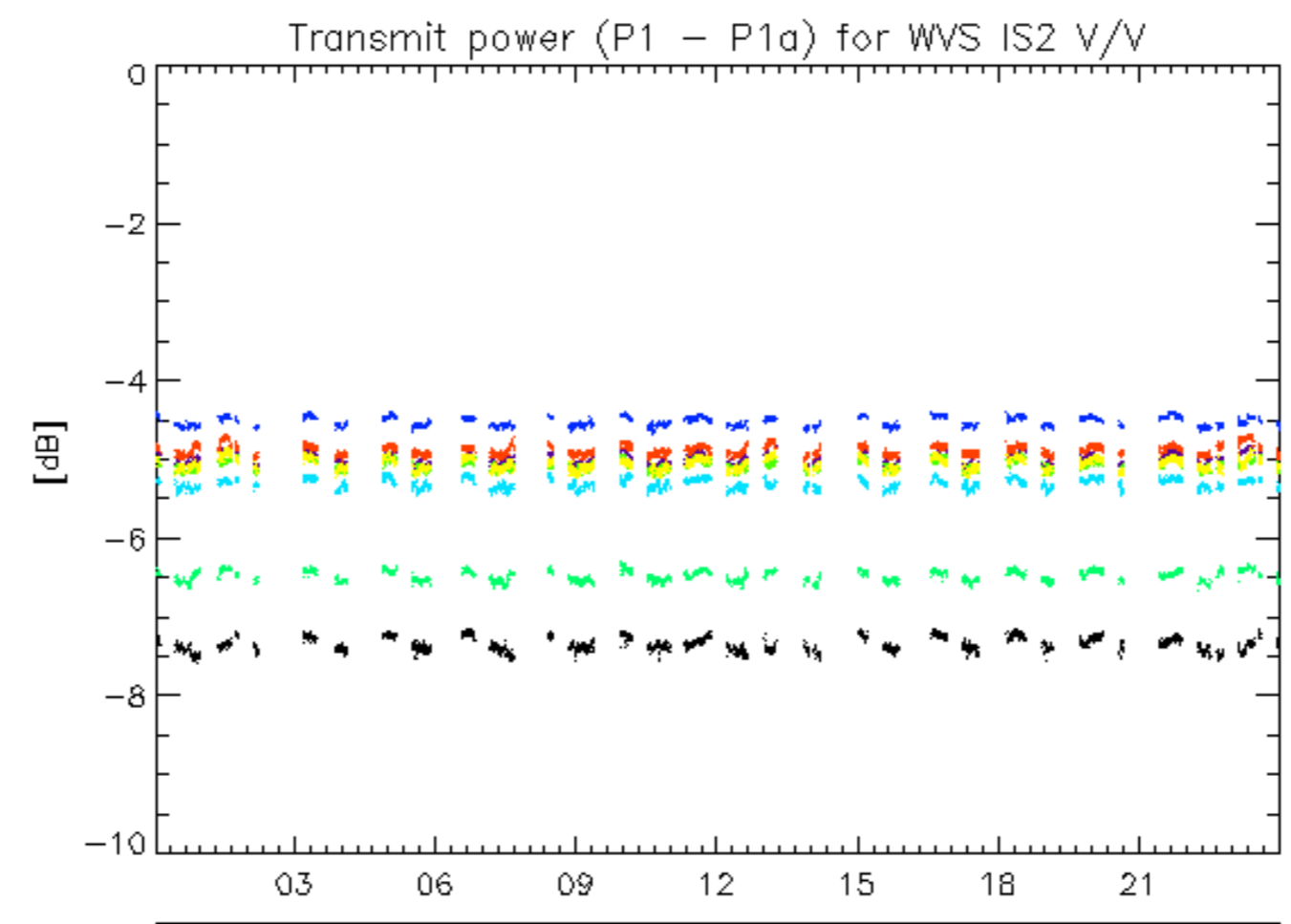
rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

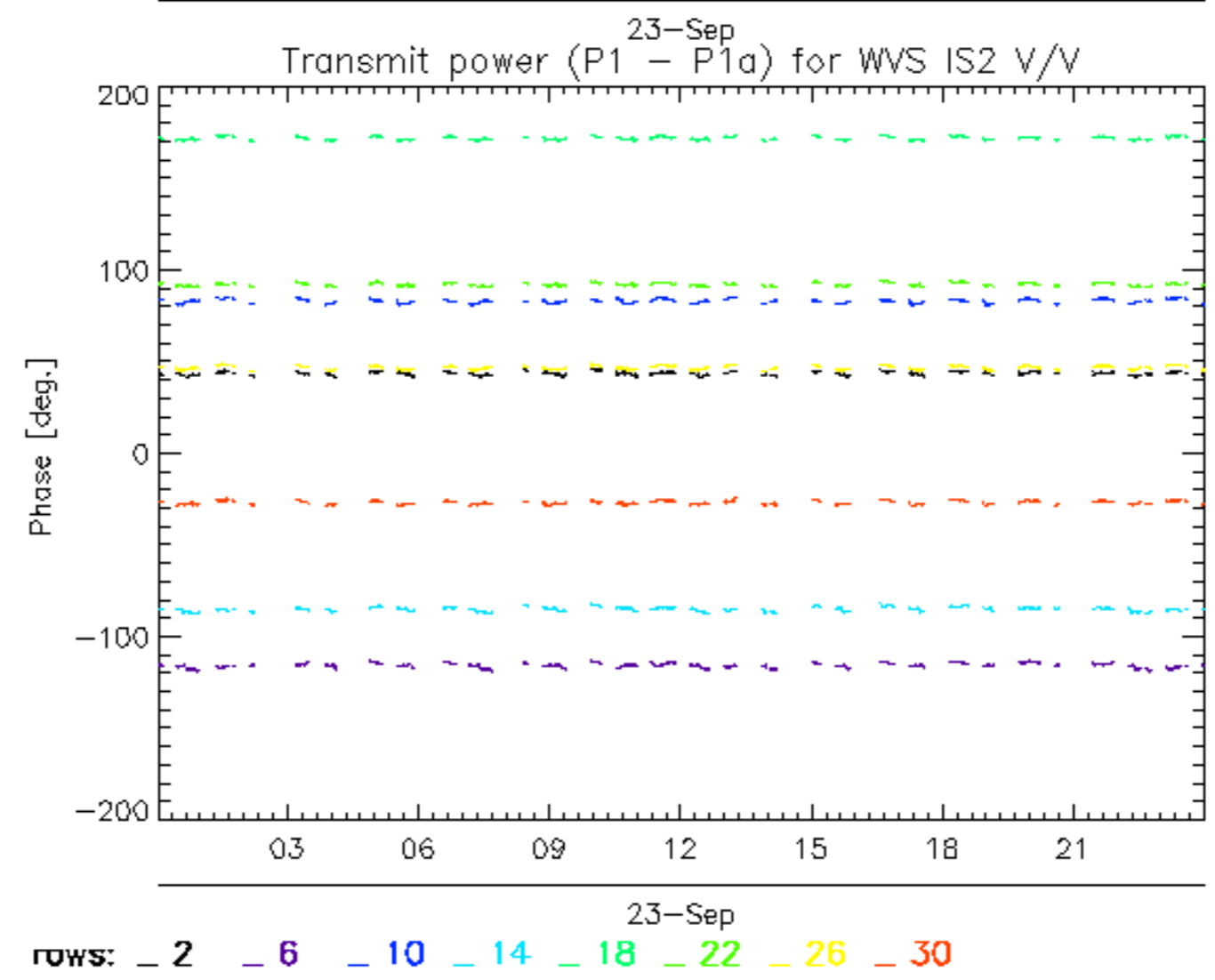
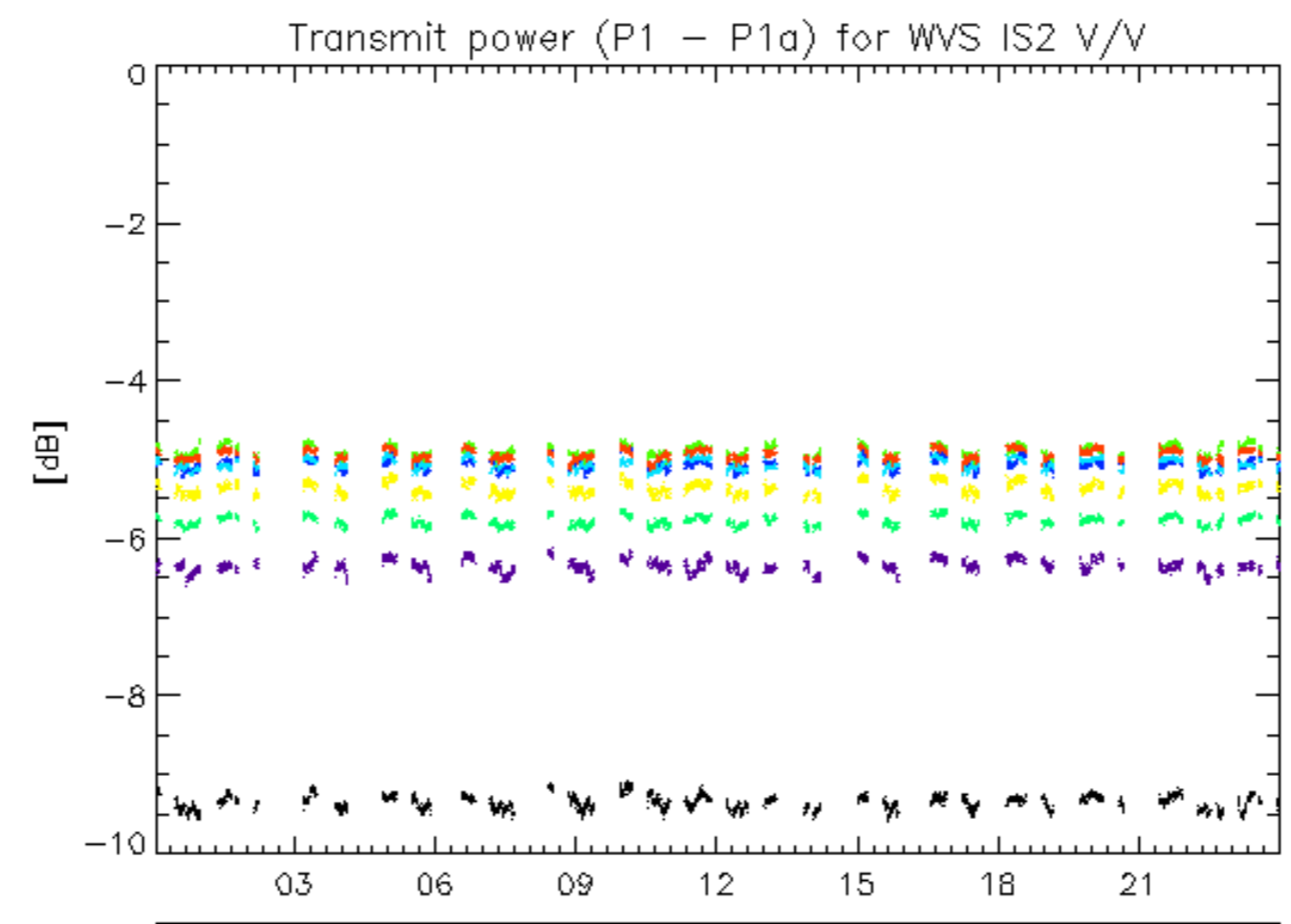


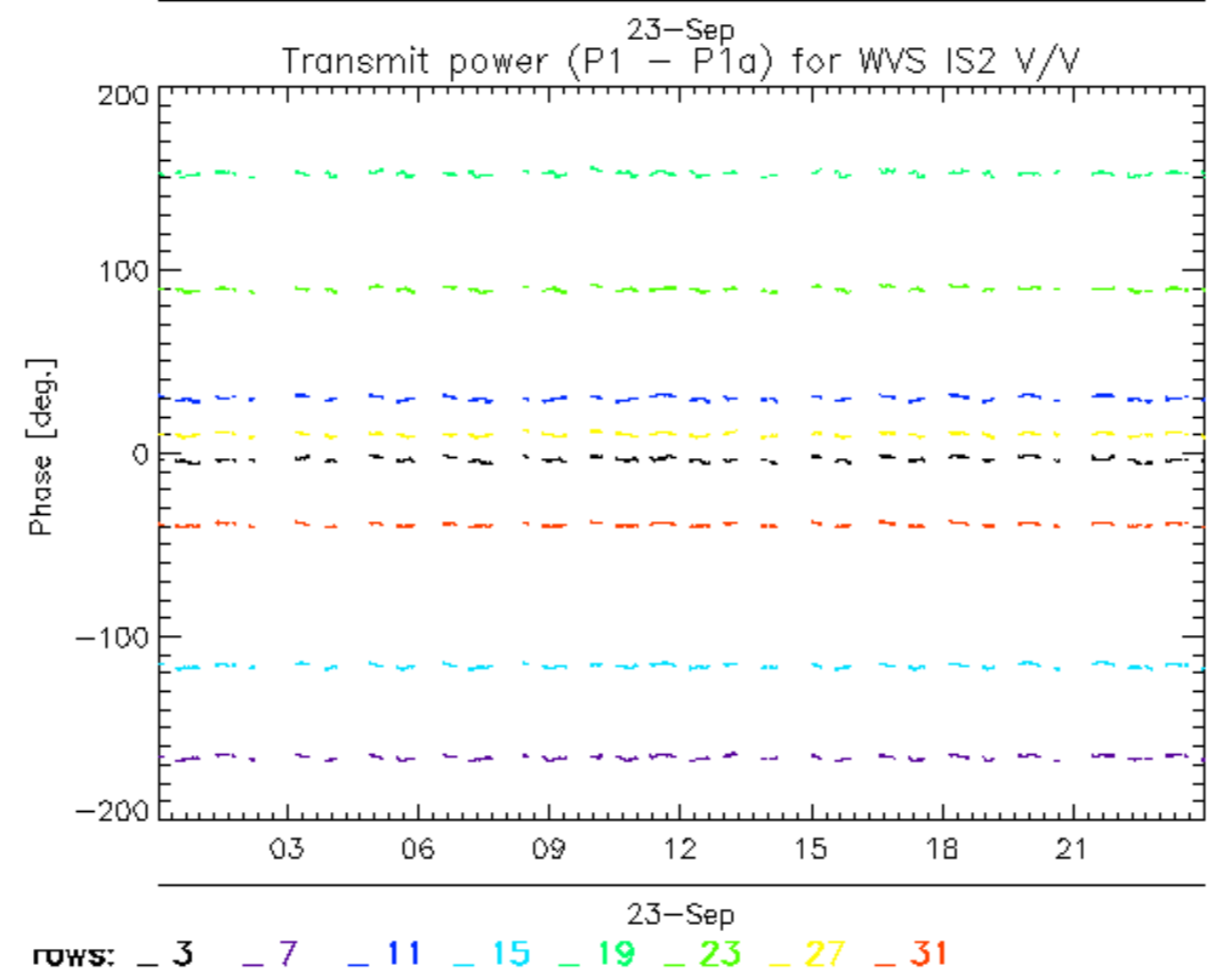
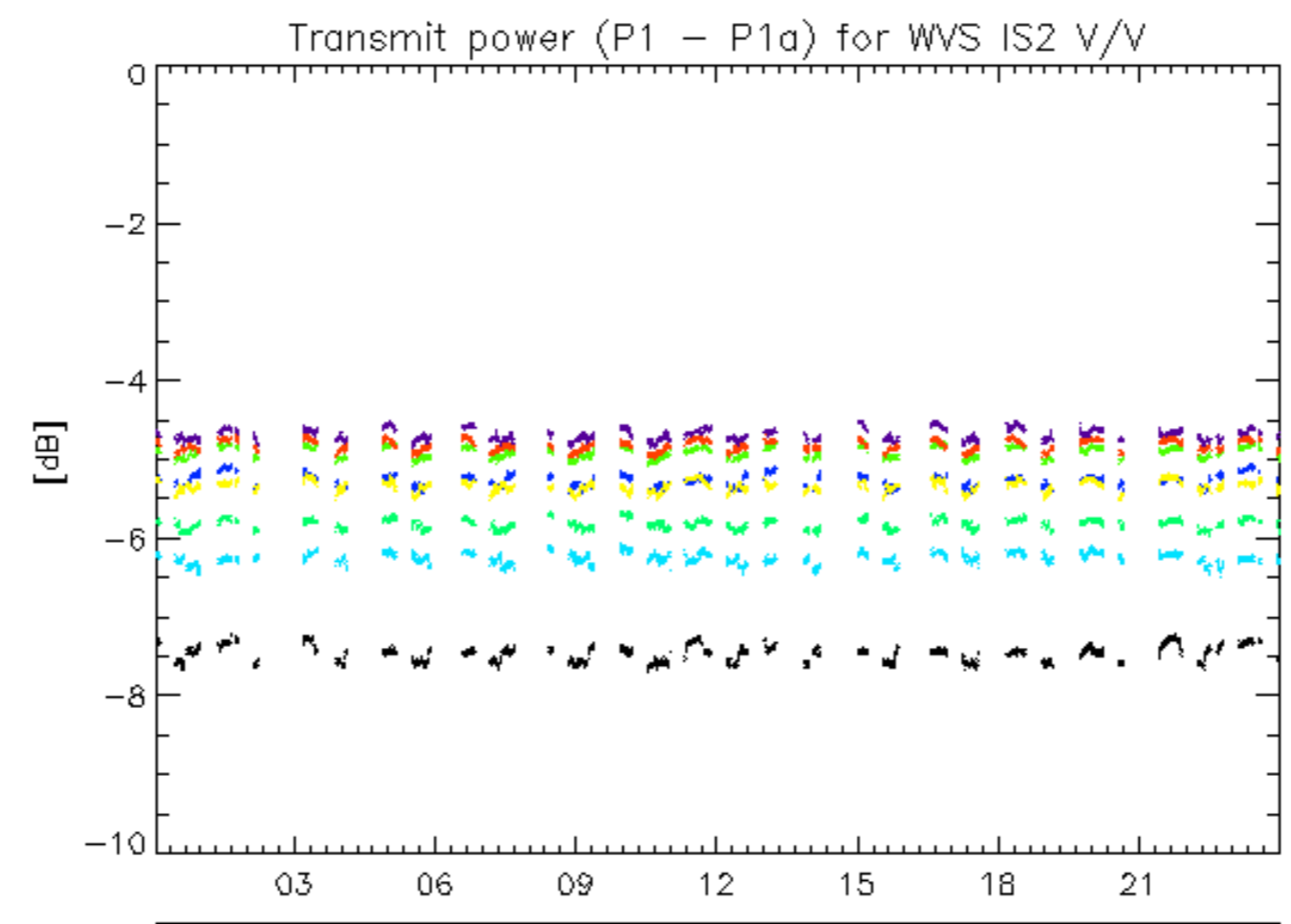
23-Sep
rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

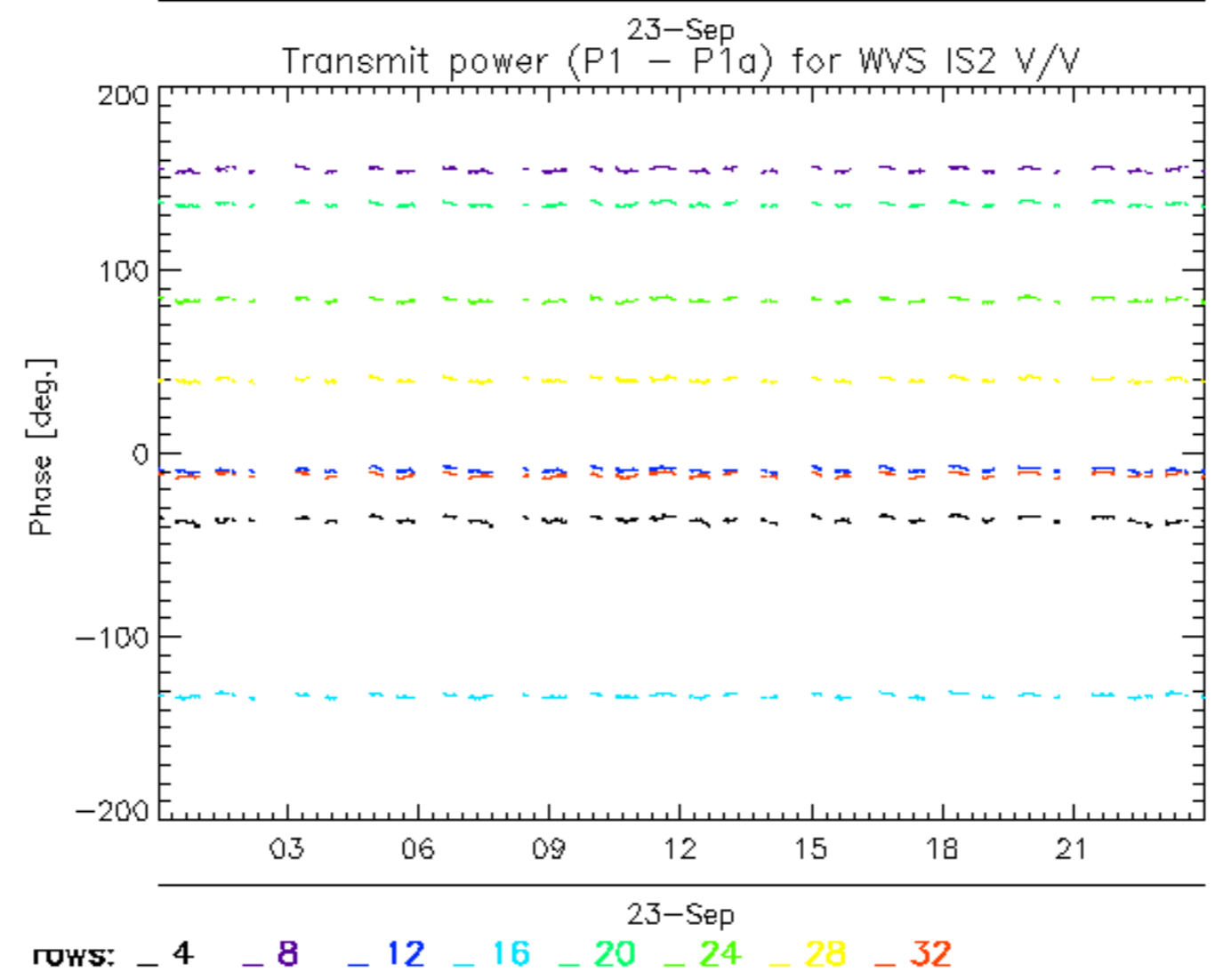
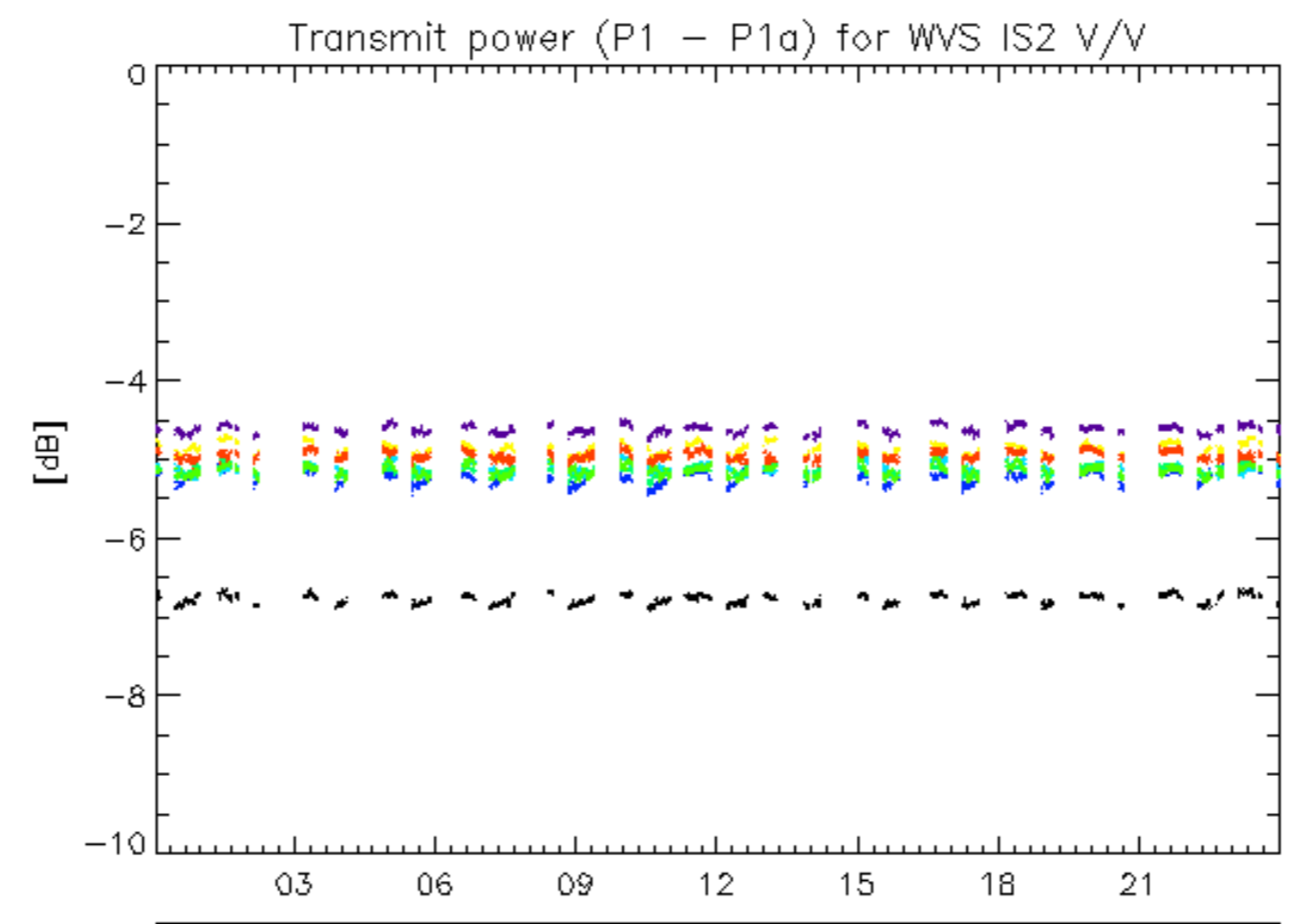


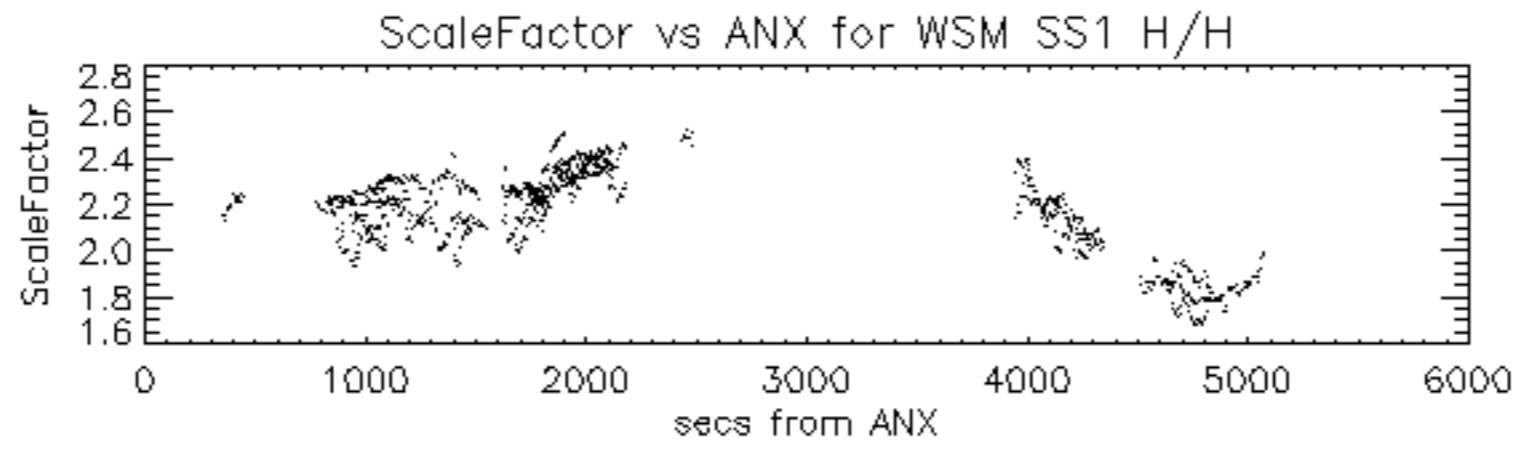


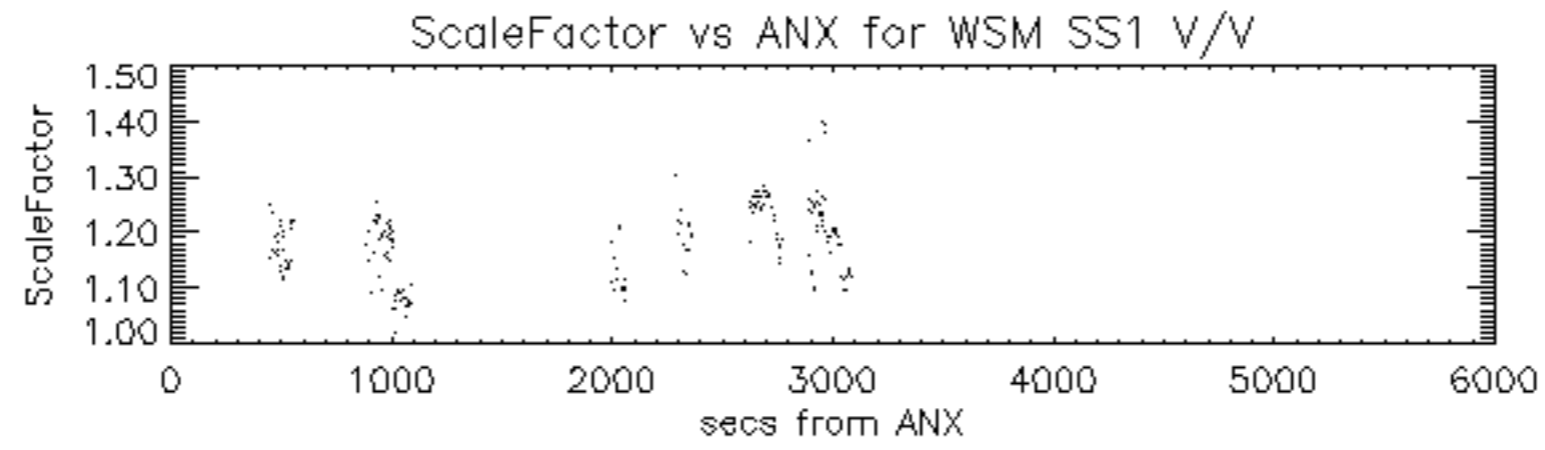


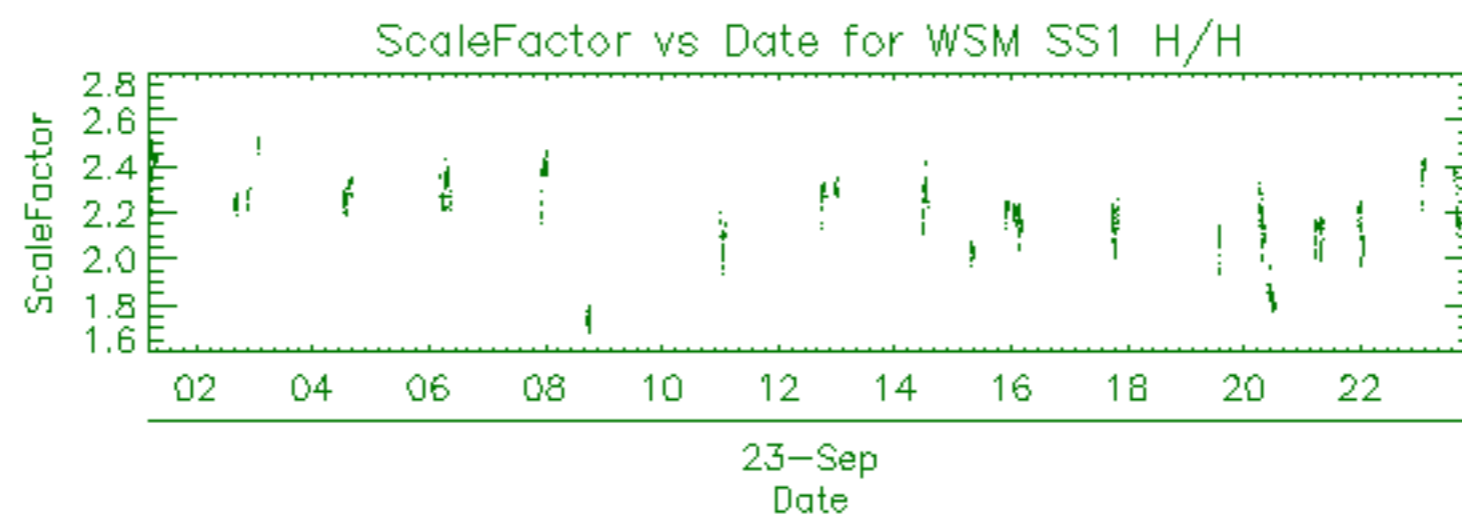


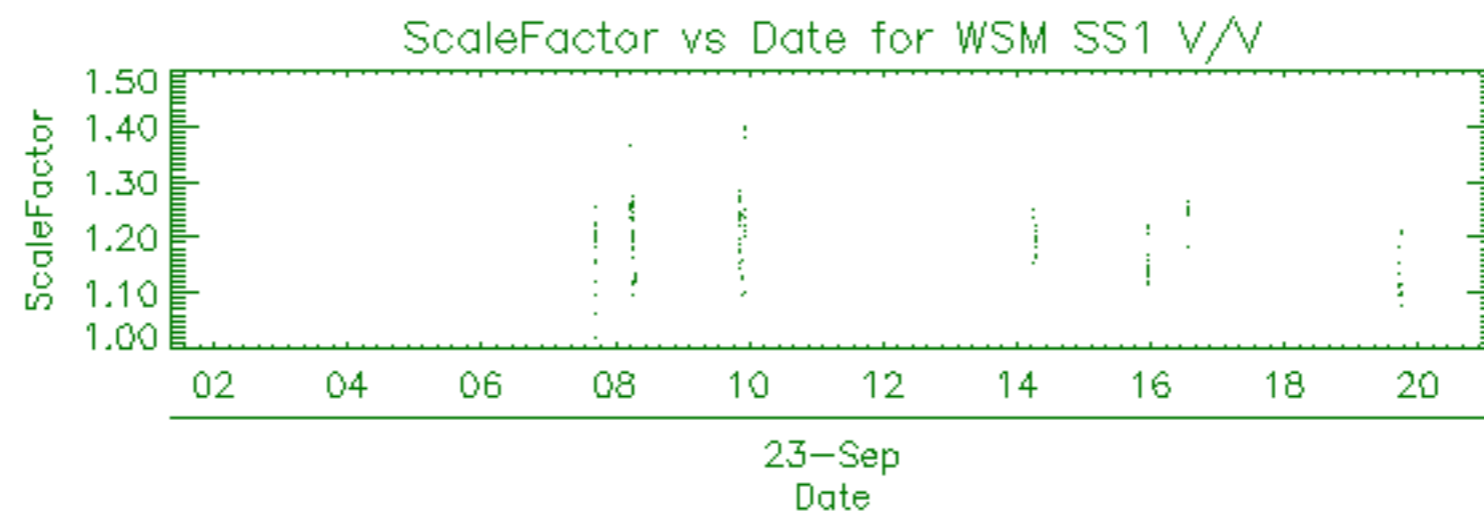












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20070923_044533_000000492061_00477_29088_8854.N1						IS7	H/H	61	29088	477	4.04
ASA_APM_1PNPDE20070923_080318_000000432061_00479_29090_9169.N1						IS1	H/H	61	29090	479	4.04
ASA_APM_1PNPDK20070923_123940_000002062061_00482_29093_3342.N1						IS1	H/V	61	29093	482	4.04
ASA_APM_1PNPDE20070923_141809_000000412061_00483_29094_9340.N1						IS6	H/H	61	29094	483	4.04

ASA_GM1_1PNPDK20070923_191413_000004412061_00486_29097_3744.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDK20070923_193107_000001202061_00486_29097_3856.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDK20070923_193609_000004102061_00486_29097_3858.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDK20070923_202118_000002172061_00486_29097_3860.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDK20070923_203139_000001992061_00486_29097_3862.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDK20070923_204113_000010202061_00486_29097_3949.N1	SS1	H/H	61	29097	486	4.04
ASA_GM1_1PNPDE20070923_211038_000000722061_00487_29098_9520.N1	SS1	H/H	61	29098	487	4.04
ASA_GM1_1PNPDE20070923_211527_000001202061_00487_29098_9522.N1	SS1	H/H	61	29098	487	4.04
ASA_GM1_1PNPDE20070923_212111_000001872061_00487_29098_9524.N1	SS1	H/H	61	29098	487	4.04
ASA_GM1_1PNPDE20070923_215637_000000962061_00487_29098_9513.N1	SS1	H/H	61	29098	487	4.04
ASA_GM1_1PNPDE20070923_220254_000007552061_00487_29098_9518.N1	SS1	H/H	61	29098	487	4.04
ASA_GM1_1PNPDE20070923_223224_000003622061_00488_29099_9631.N1	SS1	H/H	61	29099	488	4.04
ASA_GM1_1PNPDE20070923_225504_000004772061_00488_29099_9640.N1	SS1	H/H	61	29099	488	4.04
ASA_GM1_1PNPDE20070923_232744_000001872061_00488_29099_9638.N1	SS1	H/H	61	29099	488	4.04
ASA_GM1_1PNPDE20070923_233105_000001022061_00488_29099_9645.N1	SS1	H/H	61	29099	488	4.04
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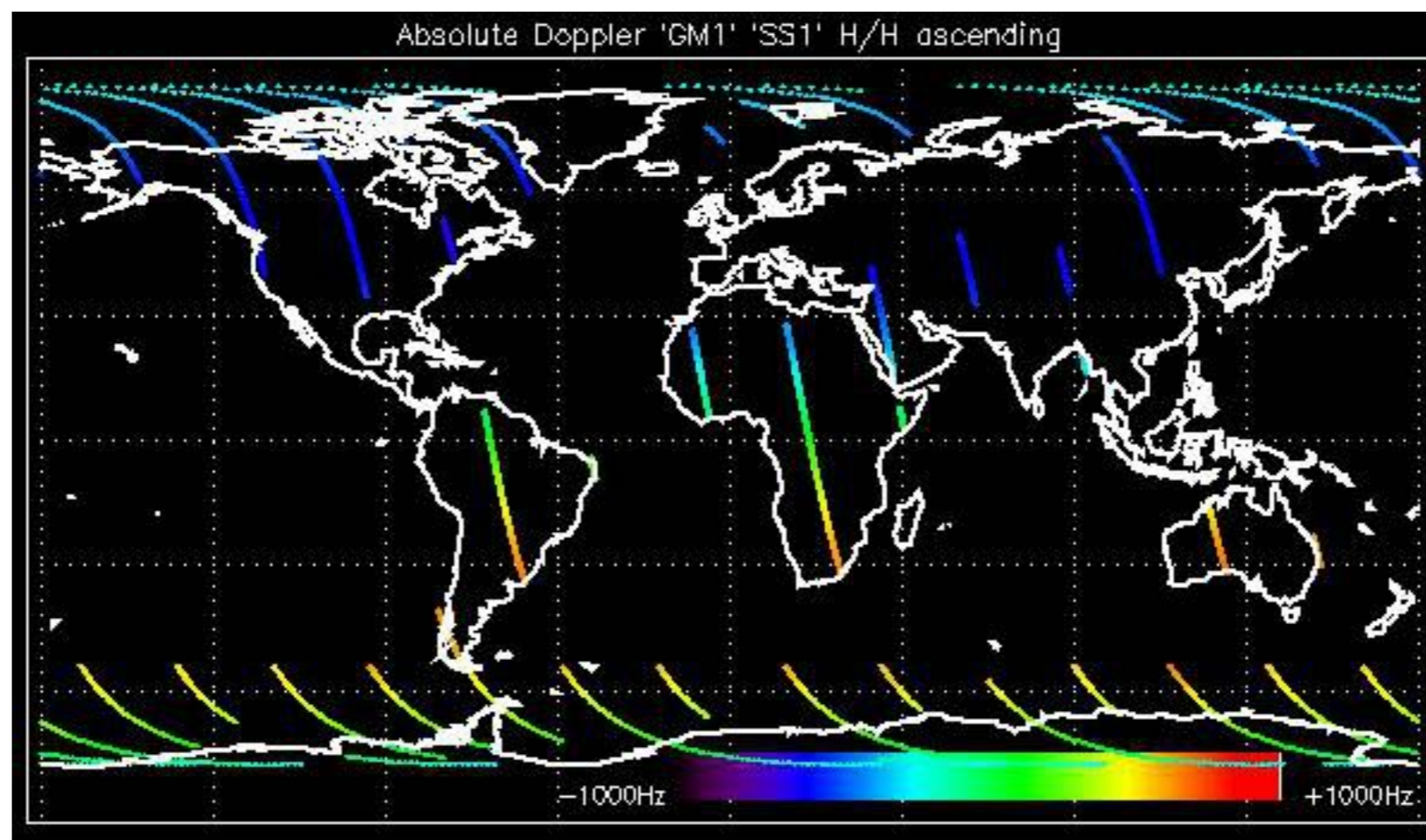
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ASA_IMM_1PNPDE20070923_001905_000002712061_00474_29085_8568.N1						IS2	H/H	61	29085	474	4.04
ASA_IMM_1PNPDE20070923_015137_000000622061_00475_29086_8685.N1						IS2	H/H	61	29086	475	4.04
ASA_IMM_1PNPDE20070923_015137_000003812061_00475_29086_8852.N1						IS2	H/H	61	29086	475	4.04
ASA_IMM_1PNPDE20070923_015339_000002592061_00475_29086_8699.N1						IS2	H/H	61	29086	475	4.04
ASA_IMM_1PNPDE20070923_022559_00000252061_00476_29087_8730.N1						IS3	H/H	61	29087	476	4.04
ASA_IMM_1PNPDE20070923_023452_000000502061_00476_29087_8809.N1						IS2	V/V	61	29087	476	4.04
ASA_IMM_1PNPDE20070923_033228_000003812061_00476_29087_8846.N1						IS2	H/H	61	29087	476	4.04
ASA_IMM_1PNPDE20070923_033928_000001992061_00476_29087_8998.N1						IS2	H/H	61	29087	476	4.04
ASA_IMM_1PNPDE20070923_051325_000001992061_00477_29088_9000.N1						IS2	H/H	61	29088	477	4.04
ASA_IMM_1PNPDE20070923_051825_000002602061_00477_29088_9142.N1						IS2	H/H	61	29088	477	4.04
ASA_IMM_1PNPDE20070923_055519_000000362061_00478_29089_9022.N1						IS2	V/V	61	29089	478	4.04
ASA_IMM_1PNPDE20070923_065450_000003212061_00478_29089_9164.N1						IS2	H/H	61	29089	478	4.04
ASA_IMM_1PNPDK20070923_070050_000000802061_00478_29089_2945.N1						IS2	H/H	61	29089	478	4.04
ASA_IMM_1PNPDE20070923_081115_000001222061_00479_29090_9216.N1						IS3	H/H	61	29090	479	4.04
ASA_IMM_1PNPDK20070923_083524_000001992061_00479_29090_3085.N1						IS2	H/H	61	29090	479	4.04
ASA_IMM_1PNPDK20070923_094255_000000802061_00480_29091_3101.N1						IS2	V/V	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_095328_000000362061_00480_29091_9224.N1						IS3	V/V	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_101518_000003622061_00480_29091_9290.N1						IS2	H/H	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_101518_000003922061_00480_29091_9265.N1						IS2	H/H	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_101518_000003922061_00480_29091_9374.N1						IS2	H/H	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_102313_000000862061_00480_29091_9292.N1						IS2	H/H	61	29091	480	4.04
ASA_IMM_1PNPDE20070923_102320_000000182061_00480_29091_9284.N1						IS2	***	61	29091	480	4.04
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ASA_IMM_1PNPDE20070923_173533_000001442061_00485_29096_9434.N1						IS6	V/V	61	29096	485	4.04
ASA_IMM_1PNPDE20070923_180309_000000512061_00485_29096_9438.N1						IS2	V/V	61	29096	485	4.04
ASA_IMM_1PNPDE20070923_180809_000001432061_00485_29096_9456.N1						IS2	V/V	61	29096	485	4.04
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ASA_IMM_1PNPDE20070923_192136_000000442061_00486_29097_9458.N1						IS7	V/V	61	29097	486	4.04
ASA_IMM_1PNPDK20070923_210240_000001132061_00487_29098_3955.N1						IS2	V/V	61	29098	487	4.04
ASA_IMM_1PNPDE20070923_210253_000000402061_00487_29098_9504.N1						IS2	V/V	61	29098	487	4.04
ASA_IMM_1PNPDK20070923_210912_000000692061_00487_29098_3965.N1						IS2	V/V	61	29098	487	4.04
ASA_IMM_1PNPDE20070923_212509_000000392061_00487_29098_9506.N1						IS2	V/V	61	29098	487	4.04
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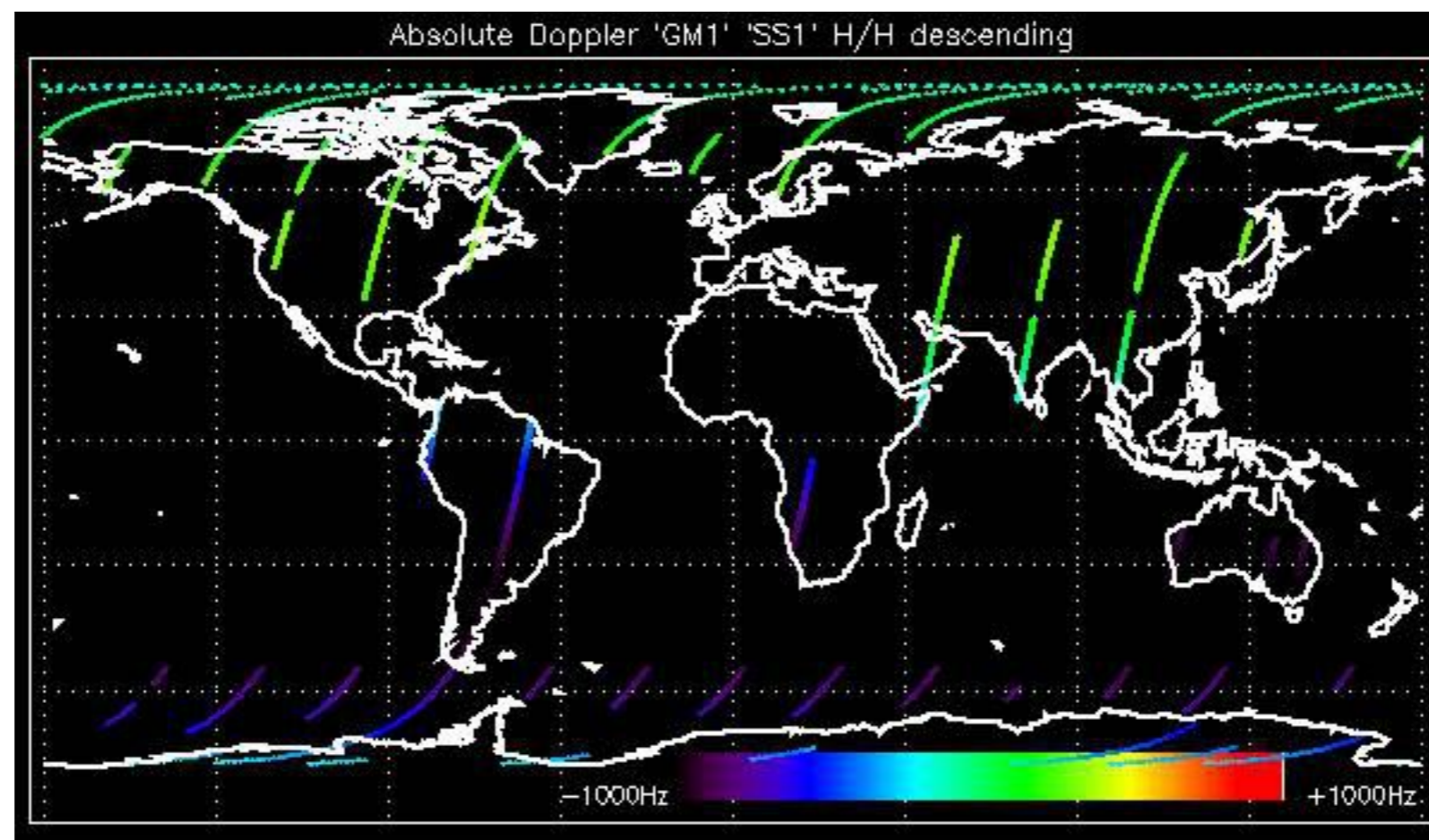
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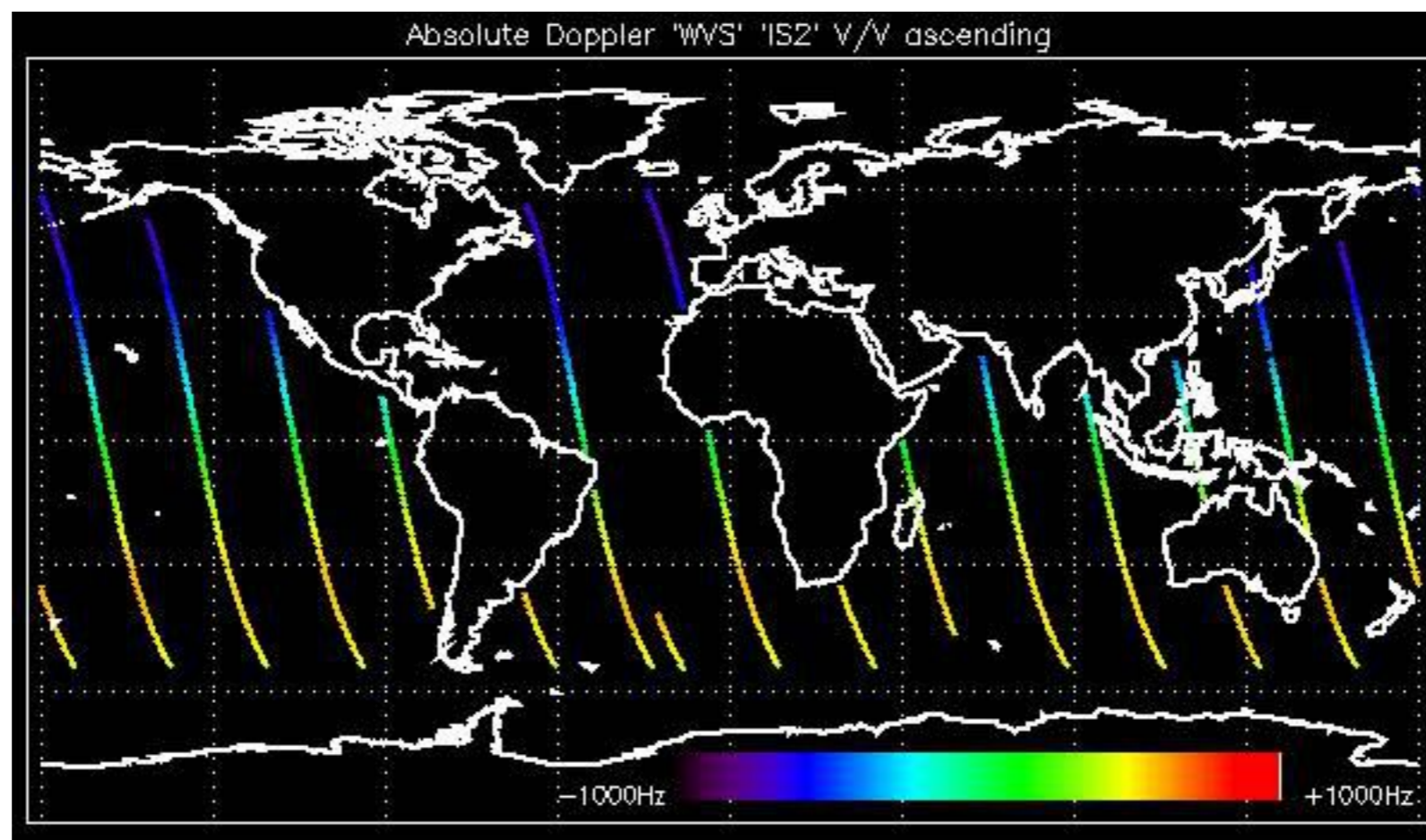


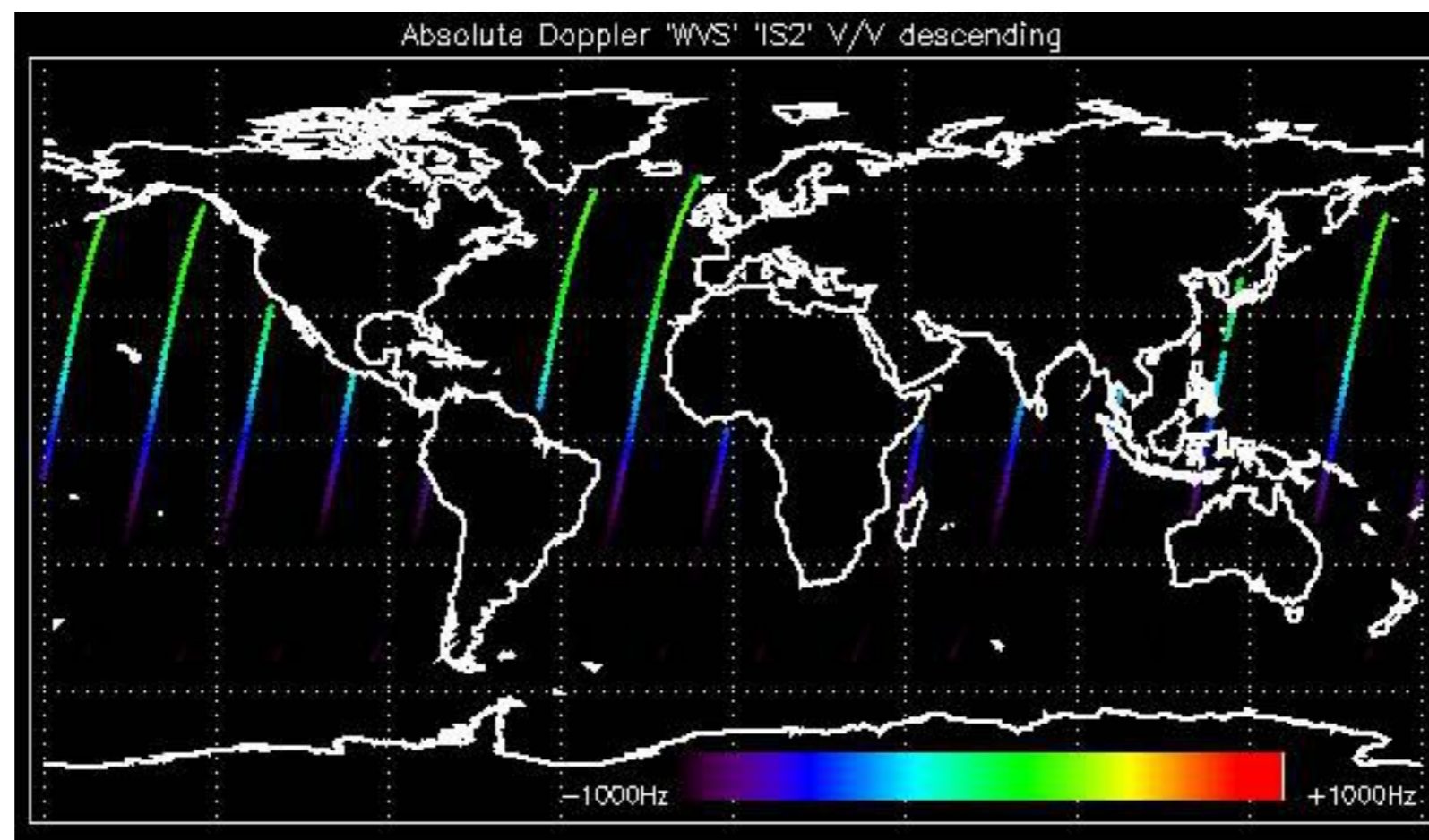
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_WSM_1PNPDE20070923_012130_000000852061_00475_29086_8701.N1						SS1	V/V	61	29086	475	4.04
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ASA_WSM_1PNPDE20070923_043134_000005062061_00477_29088_9020.N1						SS1	H/H	61	29088	477	4.04
ASA_WSM_1PNPDK20070923_061210_000002752061_00478_29089_2893.N1						SS1	H/H	61	29089	478	4.04
ASA_WSM_1PNPDE20070923_061608_000003302061_00478_29089_9162.N1						SS1	H/H	61	29089	478	4.04
ASA_WSM_1PNPDK20070923_074116_000001032061_00479_29090_2973.N1						SS1	V/V	61	29090	479	4.04
ASA_WSM_1PNPDK20070923_075550_000003852061_00479_29090_2980.N1						SS1	H/H	61	29090	479	4.04
ASA_WSM_1PNPDE20070923_081355_000002072061_00479_29090_9222.N1						SS1	V/V	61	29090	479	4.04
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ASA_WSM_1PNPDE20070923_174320_000000862061_00485_29096_9436.N1						SS1	H/H	61	29096	485	4.04
ASA_WSM_1PNPDK20070923_174416_000003302061_00485_29096_3725.N1						SS1	H/H	61	29096	485	4.04
ASA_WSM_1PNPDK20070923_193316_000001652061_00486_29097_3852.N1						SS1	H/H	61	29097	486	4.04
ASA_WSM_1PNPDE20070923_194310_000000852061_00486_29097_9498.N1						SS1	V/V	61	29097	486	4.04
ASA_WSM_1PNPDE20070923_201544_000003242061_00486_29097_9502.N1						SS1	H/H	61	29097	486	4.04
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ASA_WSM_1PNPDE20070923_211843_000001352061_00487_29098_9618.N1						SS1	H/H	61	29098	487	4.04
ASA_WSM_1PNPDE20070923_215820_000002632061_00487_29098_9620.N1						SS1	H/H	61	29098	487	4.04
ASA_WSM_1PNPDE20070923_230314_000001832061_00488_29099_9762.N1						SS1	H/H	61	29099	488	4.04
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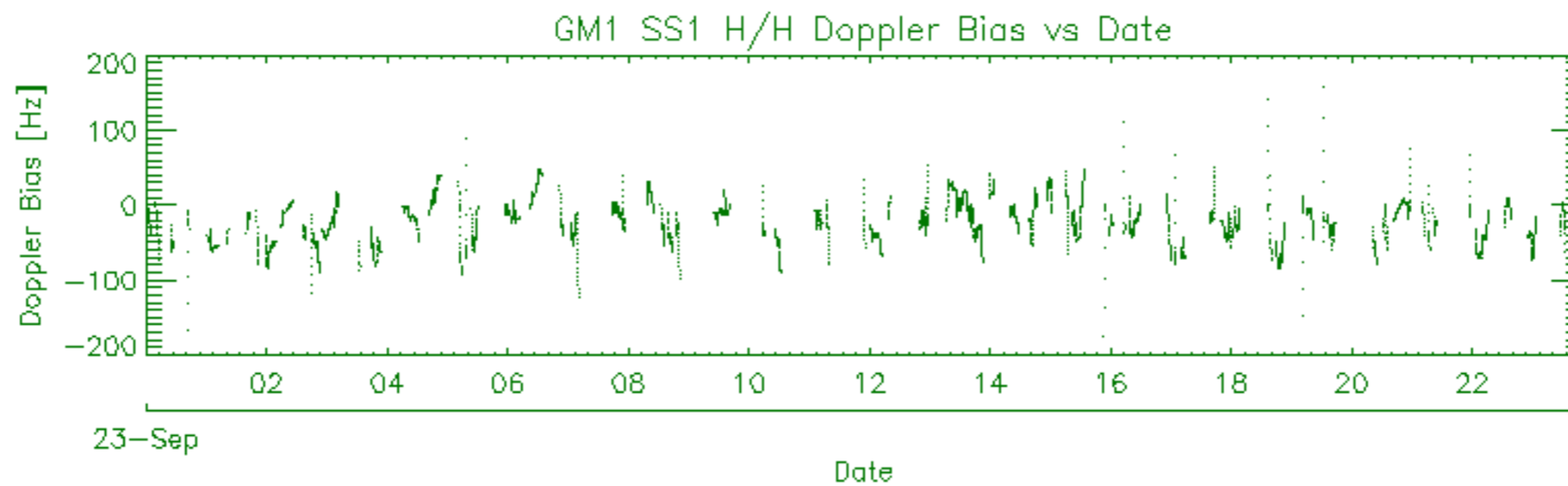
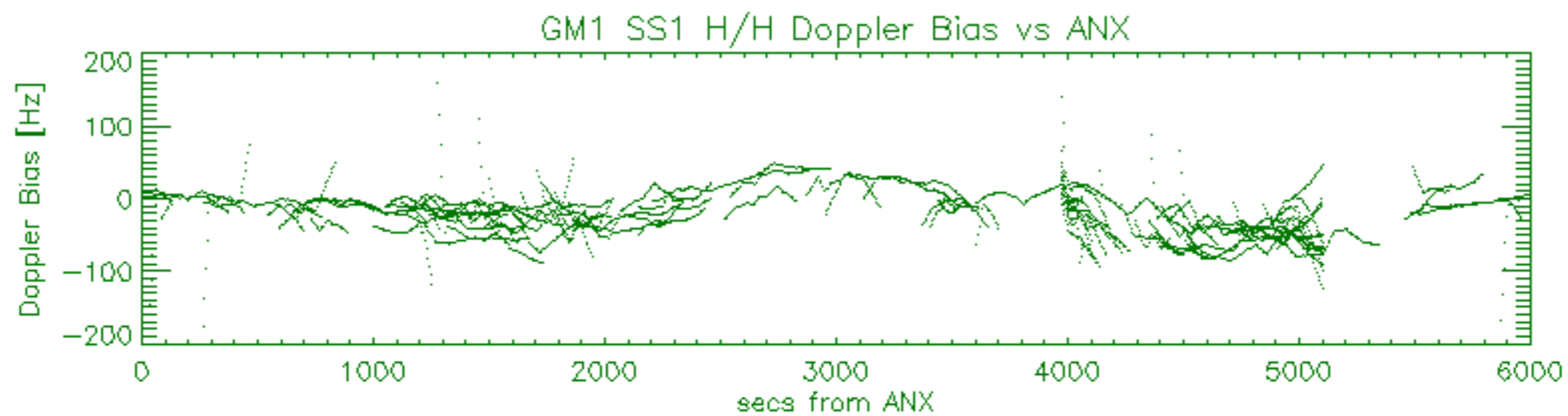
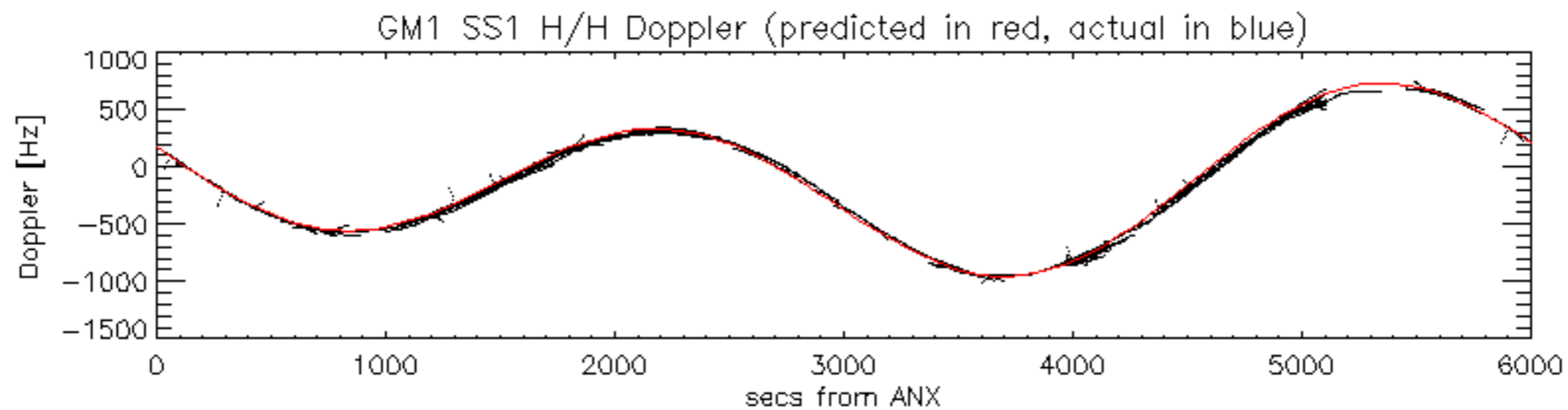
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ASA_WVS_1PNPDE20070923_003146_000004792061_00474_29085_8584.N1						IS2	V/V	61	29085	474	4.04
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ASA_WVS_1PNPDE20070923_032247_000003302061_00476_29087_8879.N1						IS2	V/V	61	29087	476	4.04
ASA_WVS_1PNPDE20070923_031102_000007342061_00476_29087_8753.N1						IS1	V/V	61	29087	476	4.04
ASA_WVS_1PNPDE20070923_035301_000008542061_00476_29087_8888.N1						IS2	V/V	61	29087	476	4.04
ASA_WVS_1PNPDE20070923_045225_000007792061_00477_29088_8898.N1						IS2	V/V	61	29088	477	4.04
ASA_WVS_1PNPDE20070923_050510_000002702061_00477_29088_9058.N1						IS2	V/V	61	29088	477	4.04
ASA_WVS_1PNPDE20070923_052934_000014392061_00477_29088_9136.N1						IS2	V/V	61	29088	477	4.04
ASA_WVS_1PNPDE20070923_063443_000007042061_00478_29089_9067.N1						IS2	V/V	61	29089	478	4.04
ASA_WVS_1PNPDK20070923_064613_000002552061_00478_29089_2898.N1						IS2	V/V	61	29089	478	4.04
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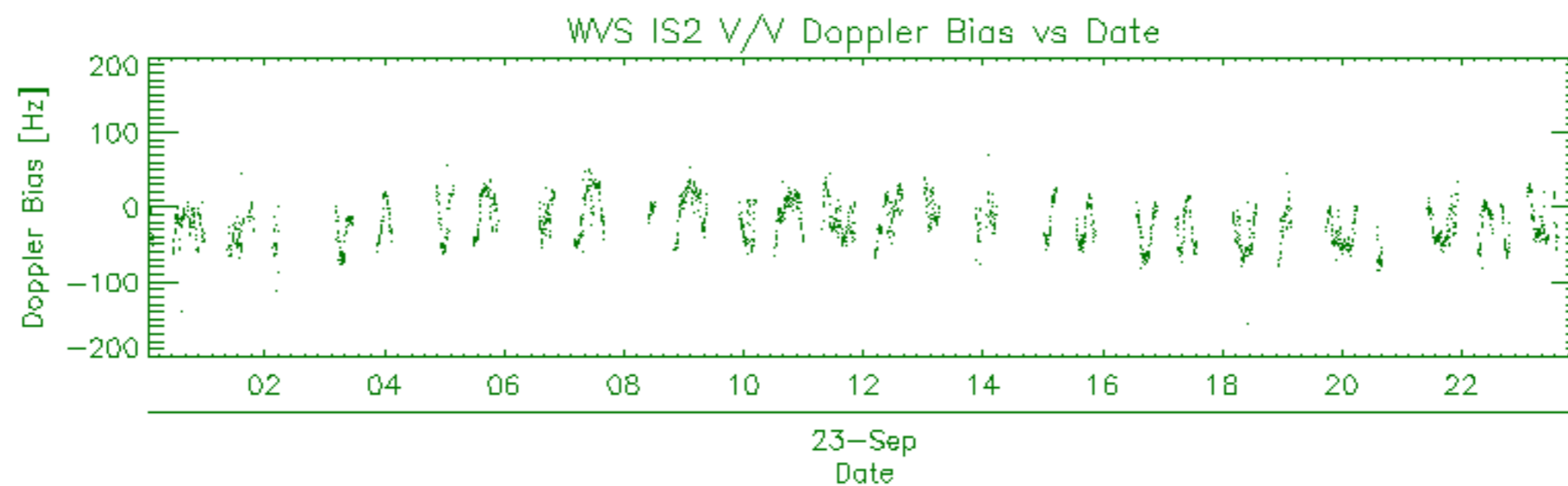
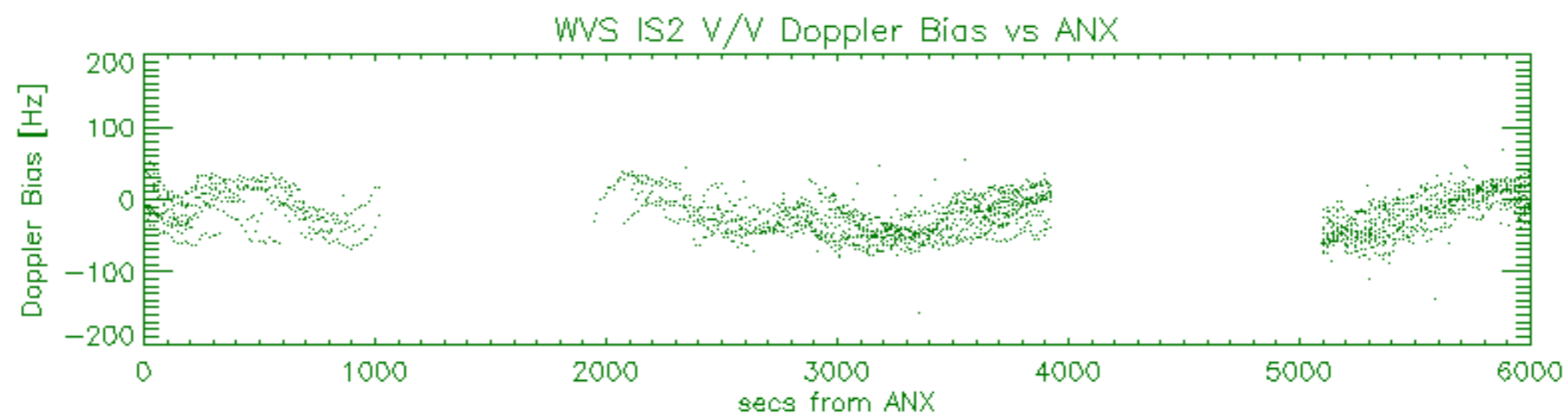
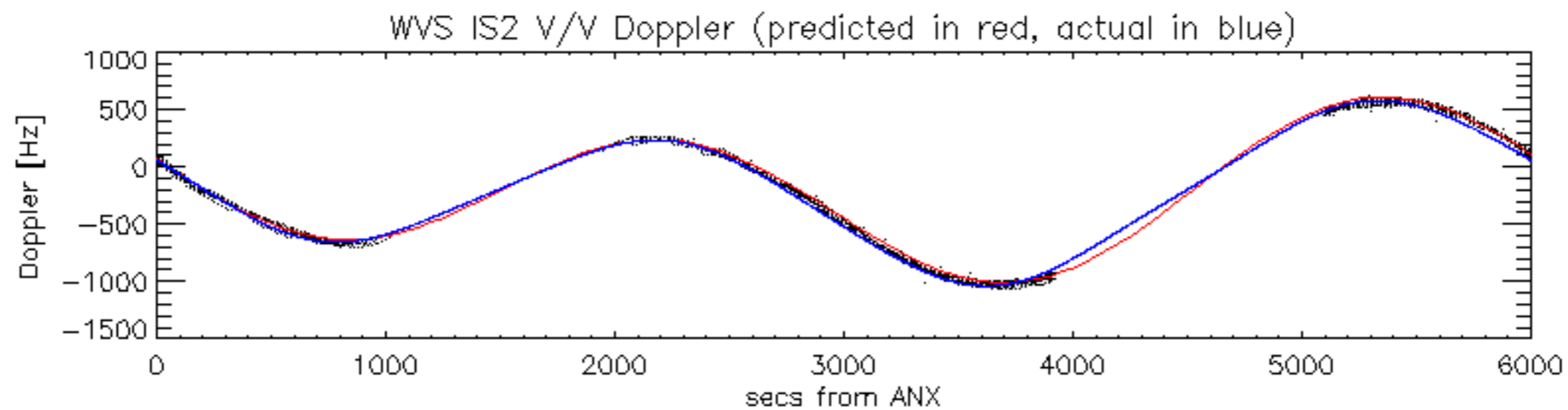


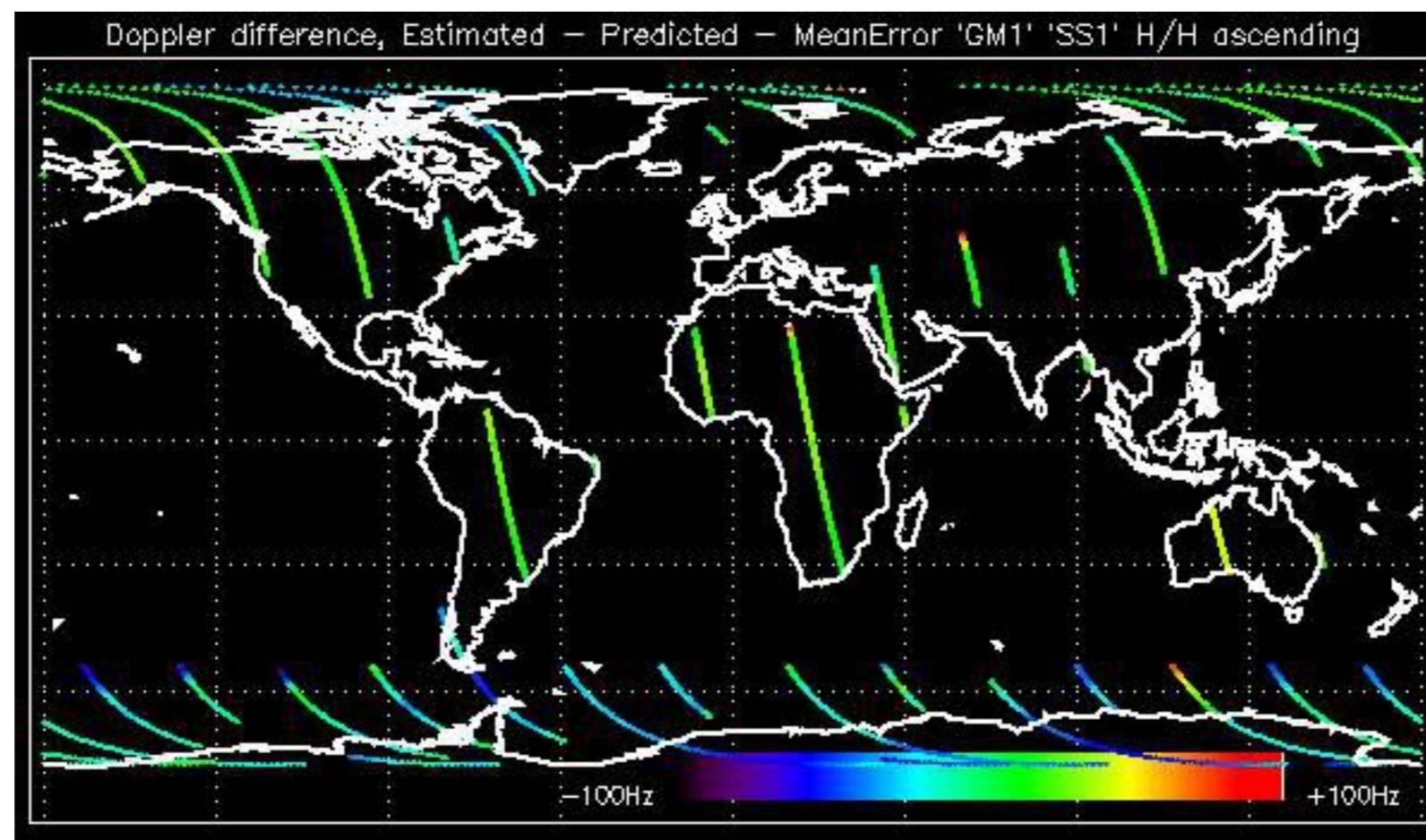


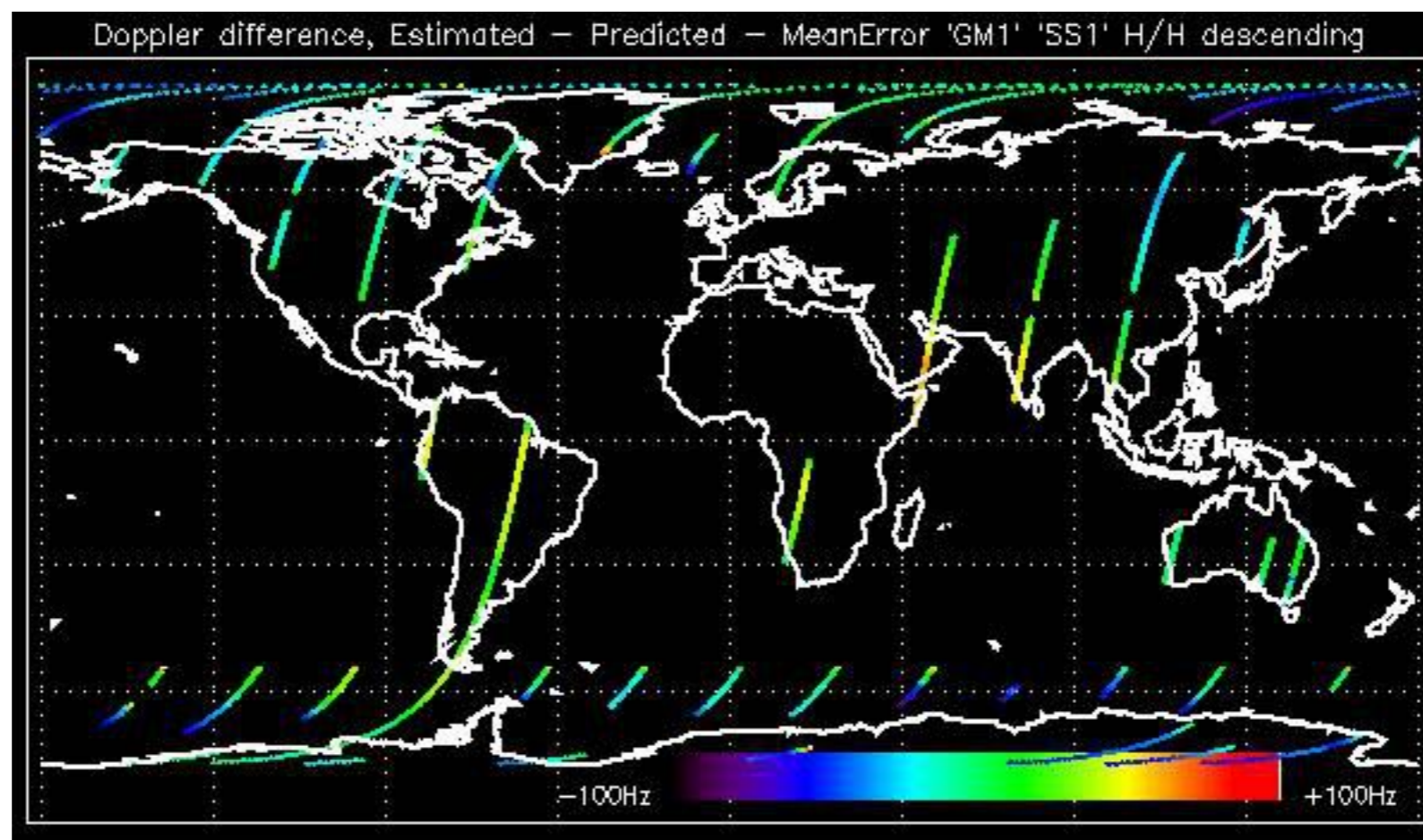


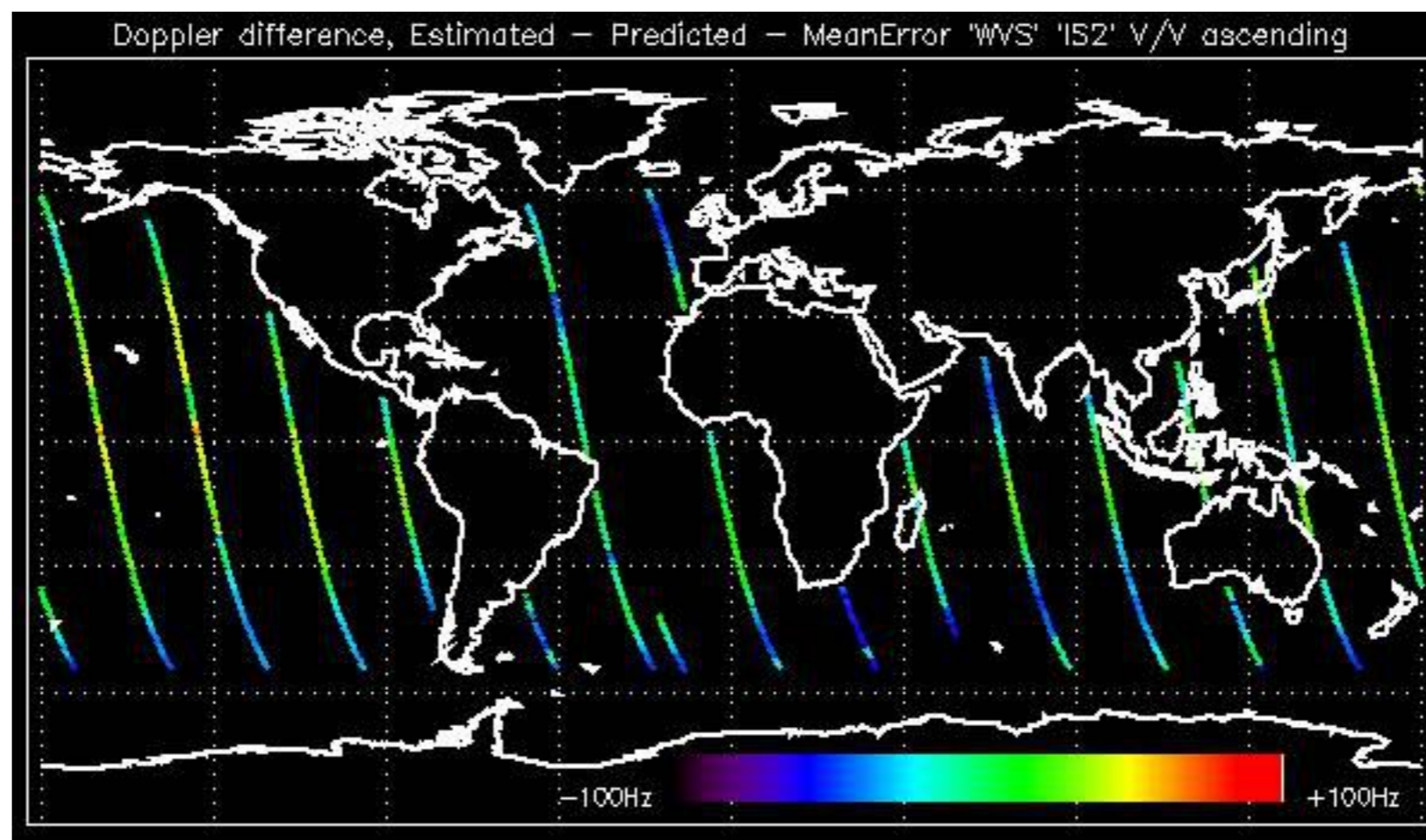


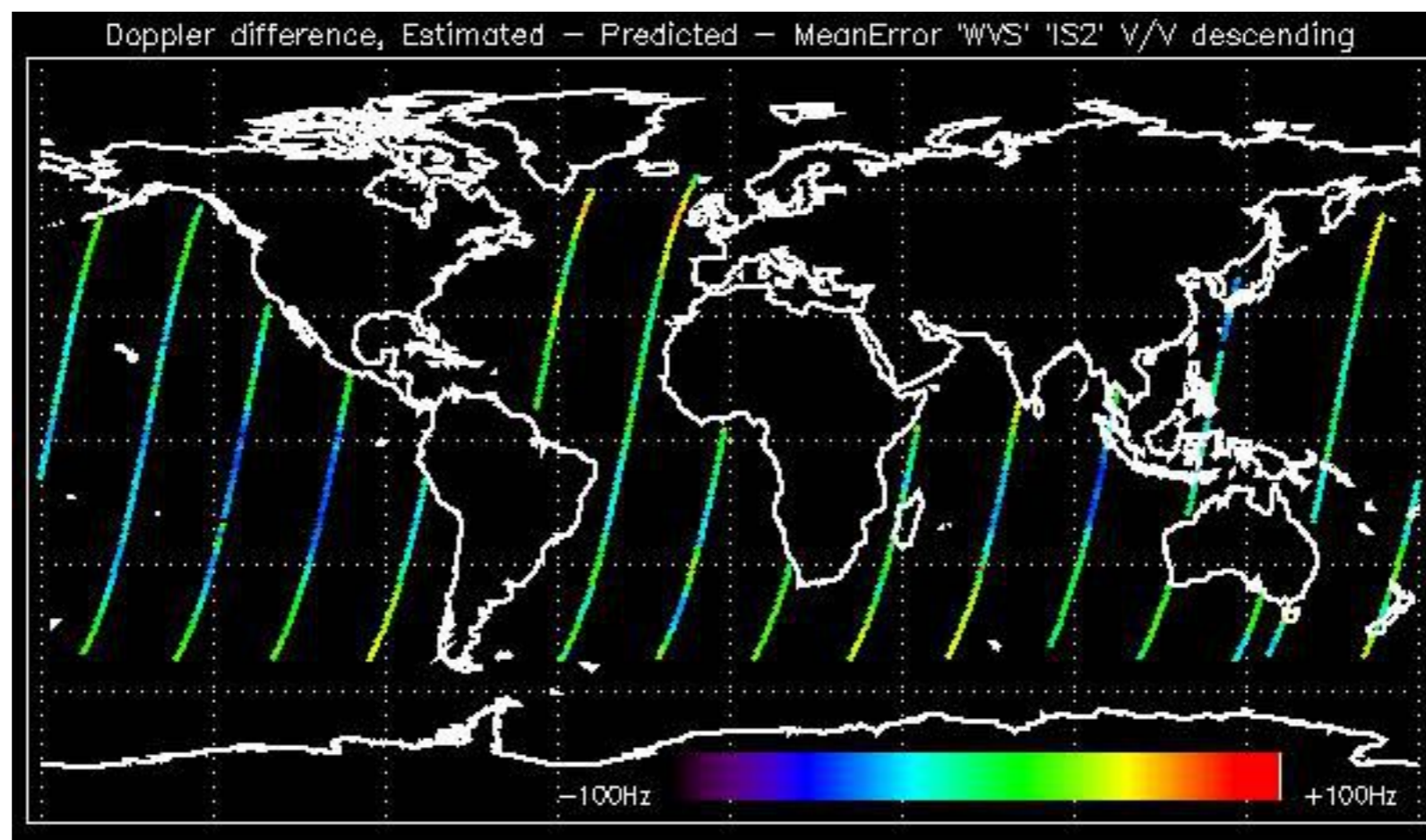


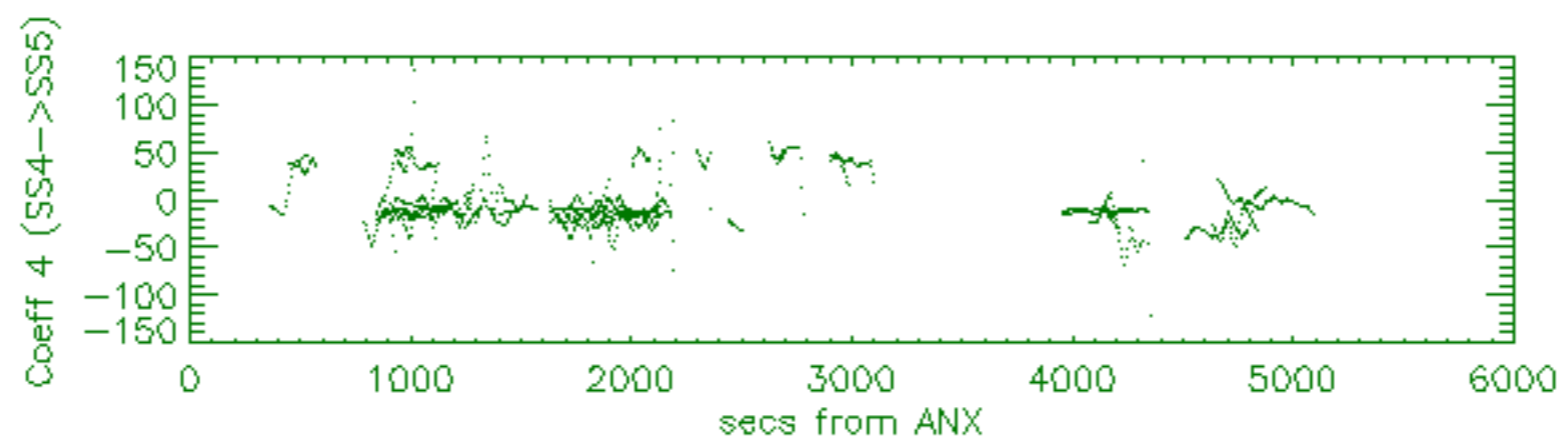
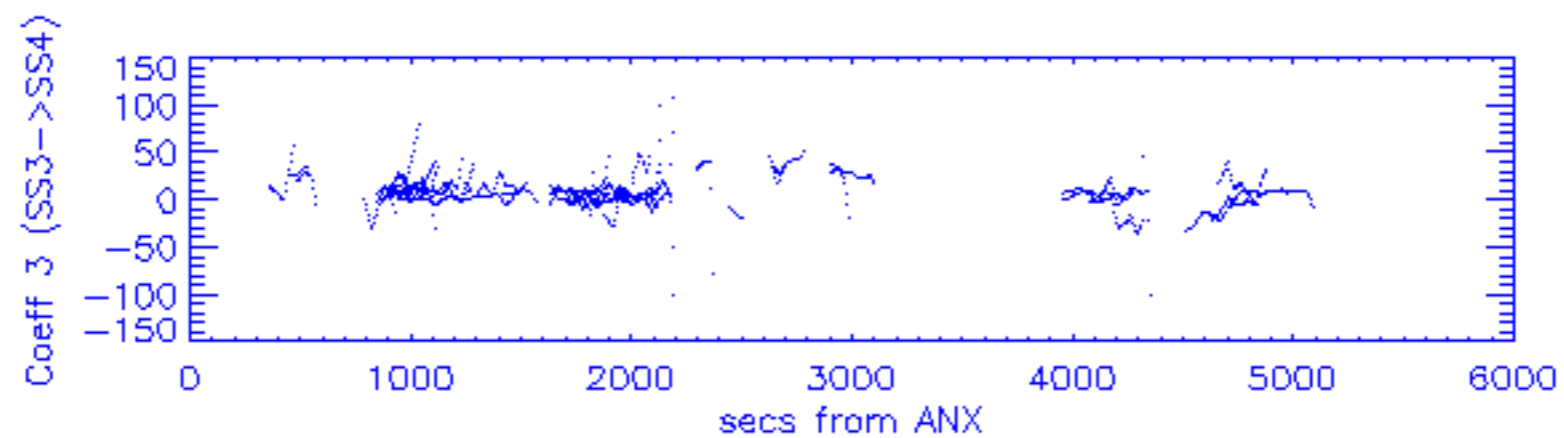
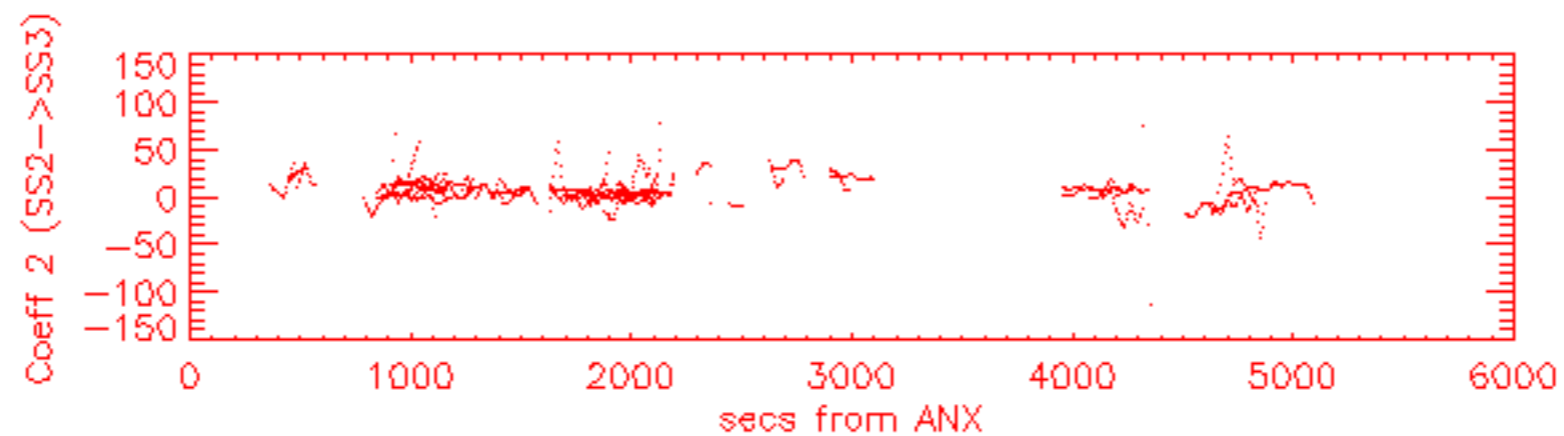
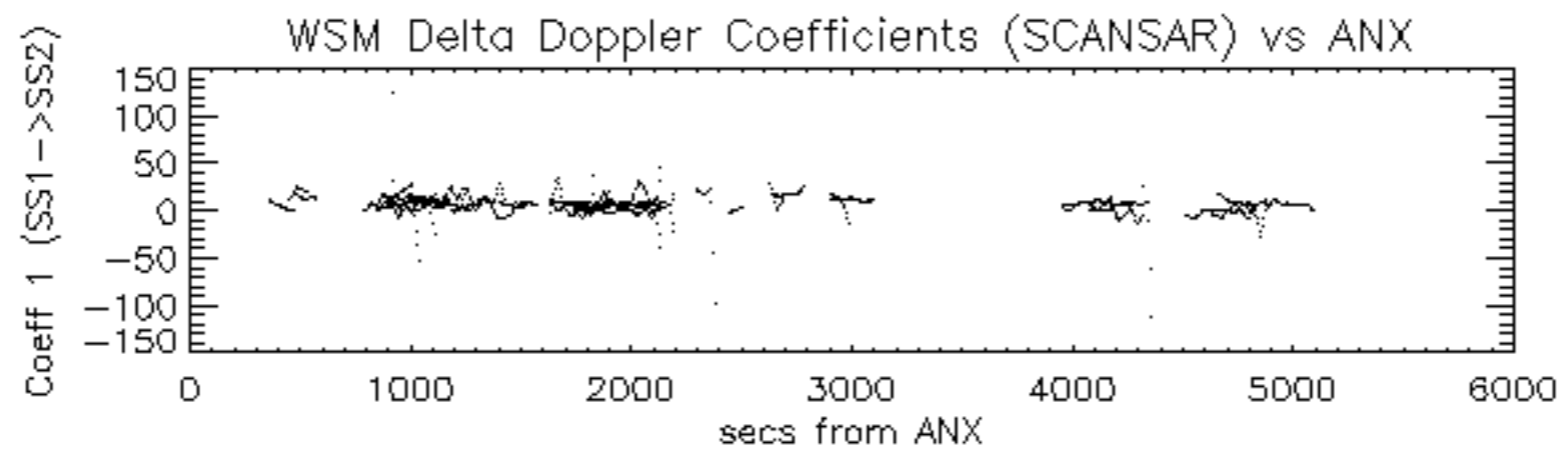


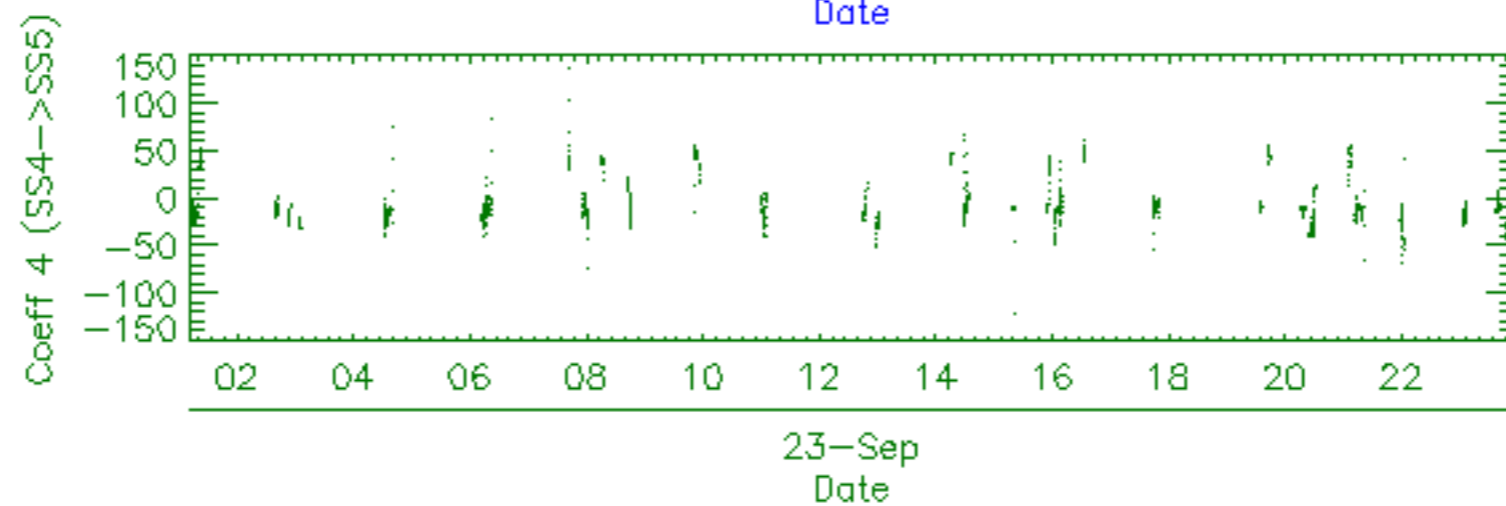
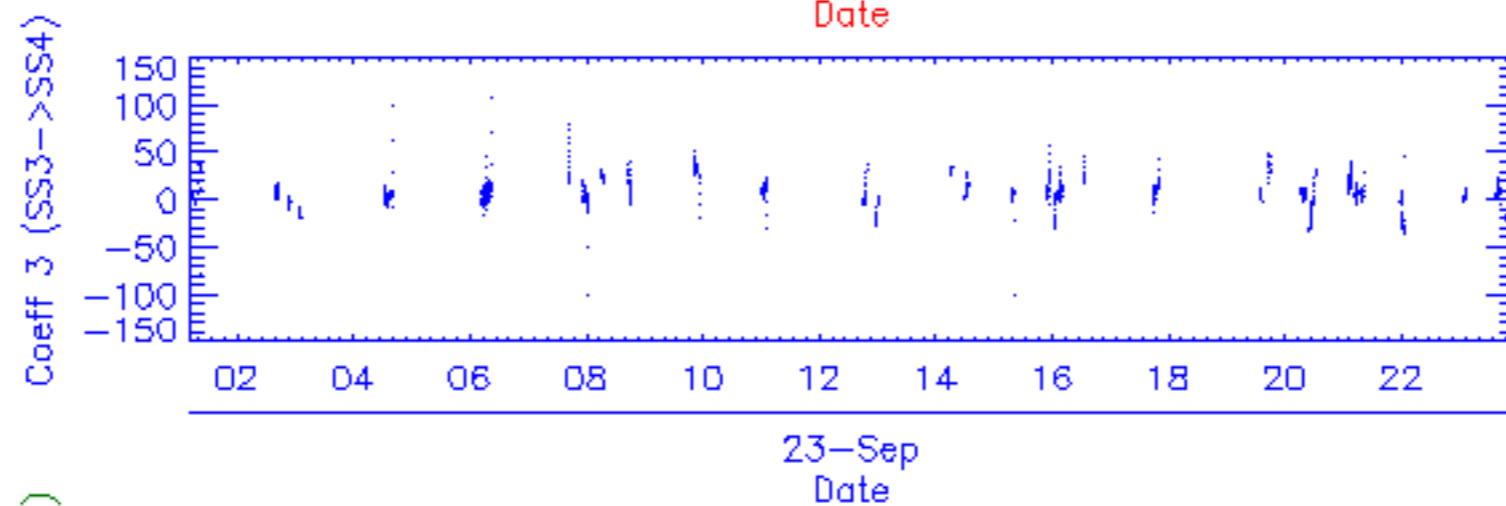
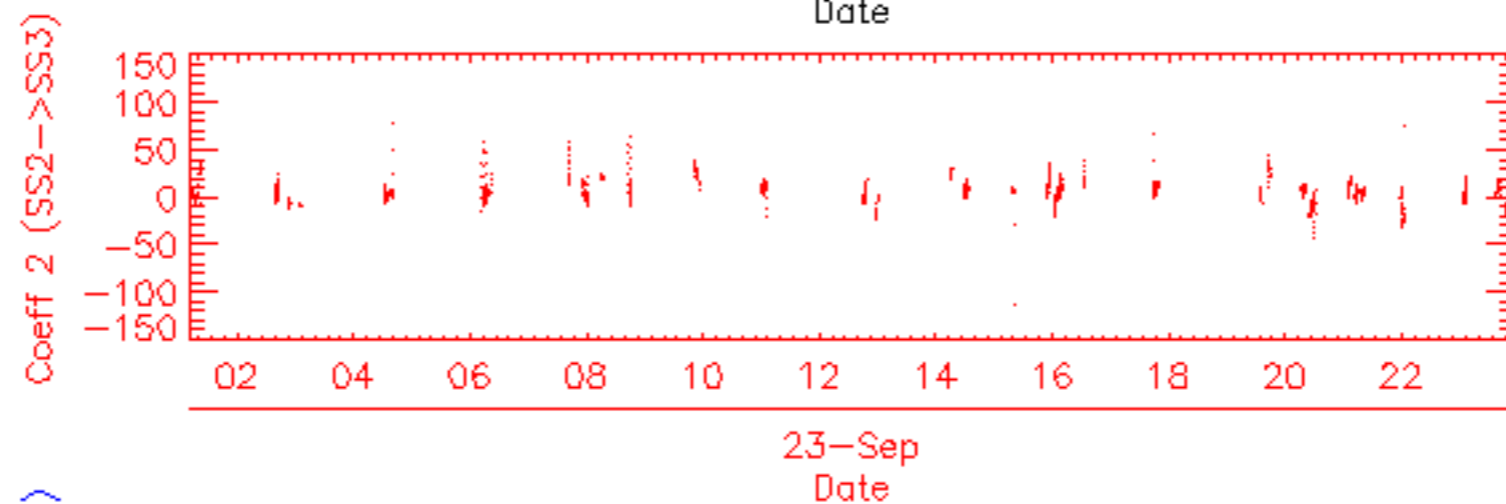
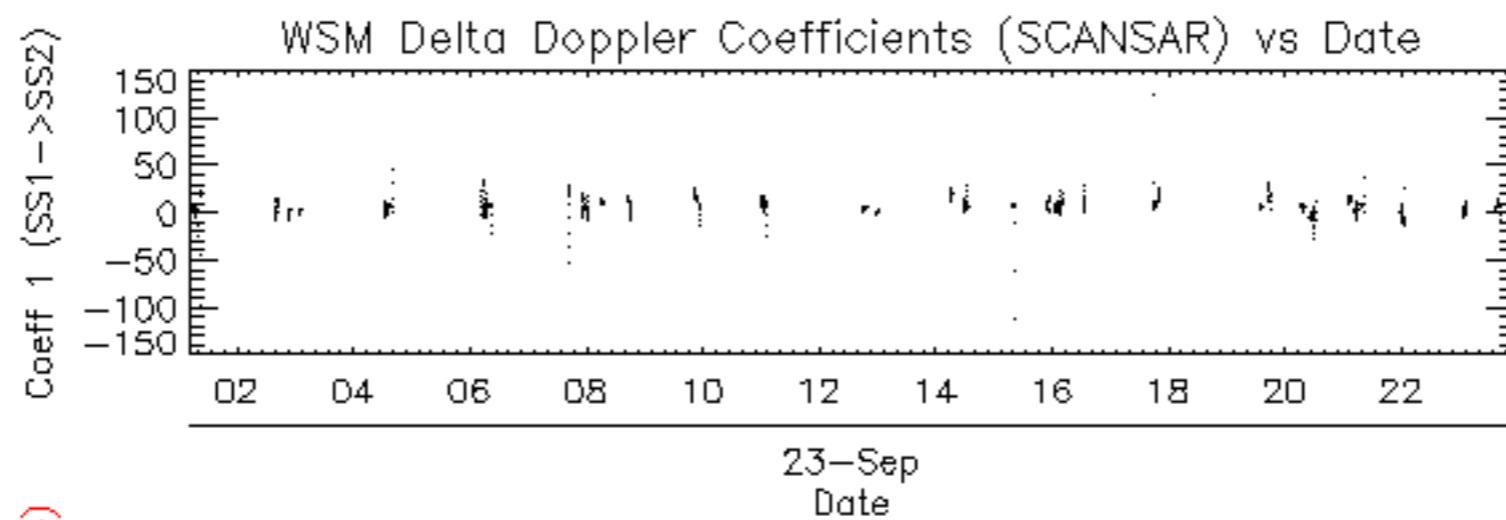


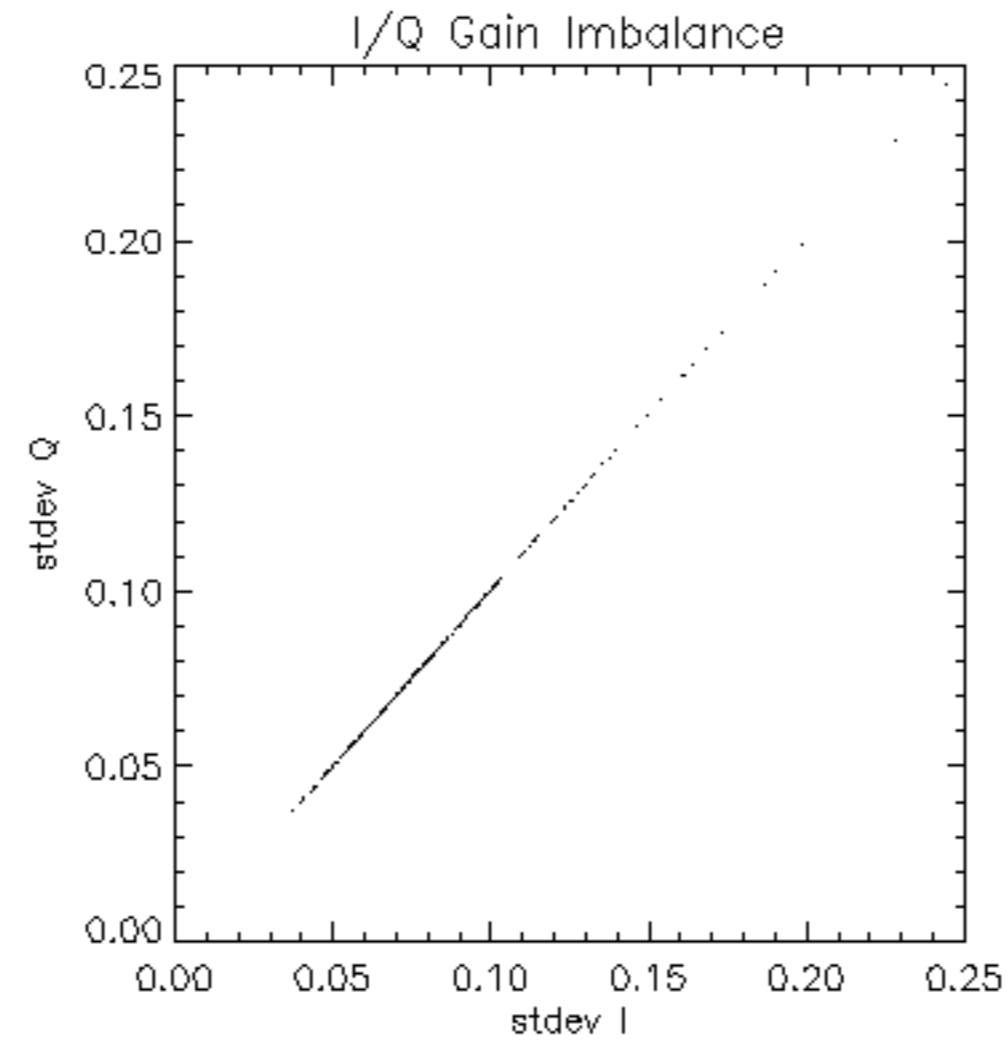


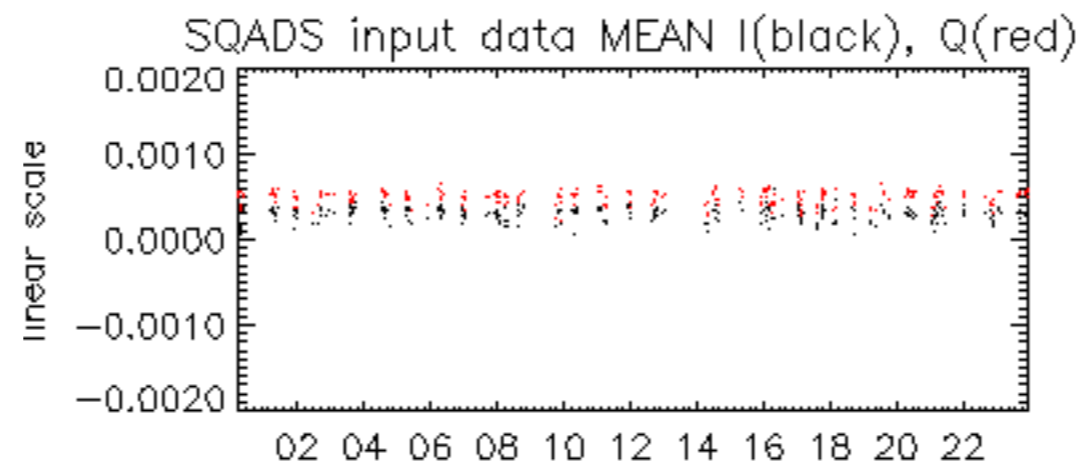




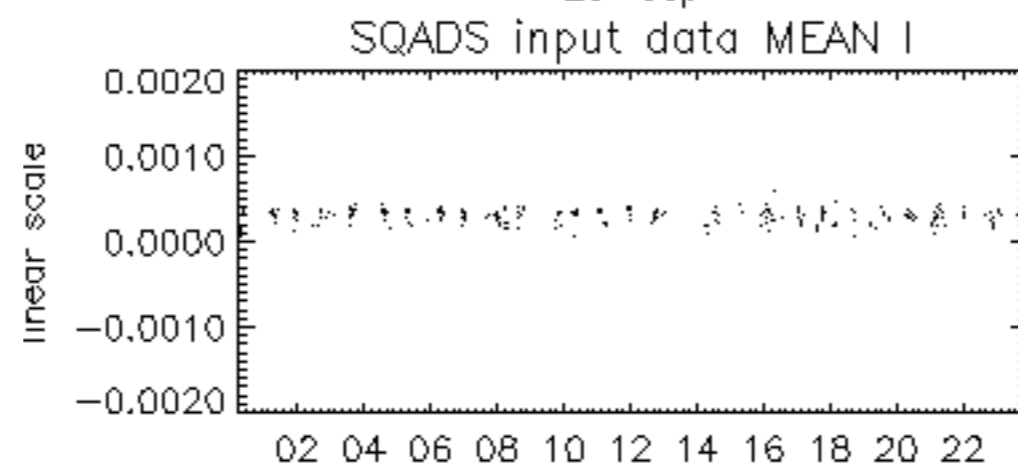




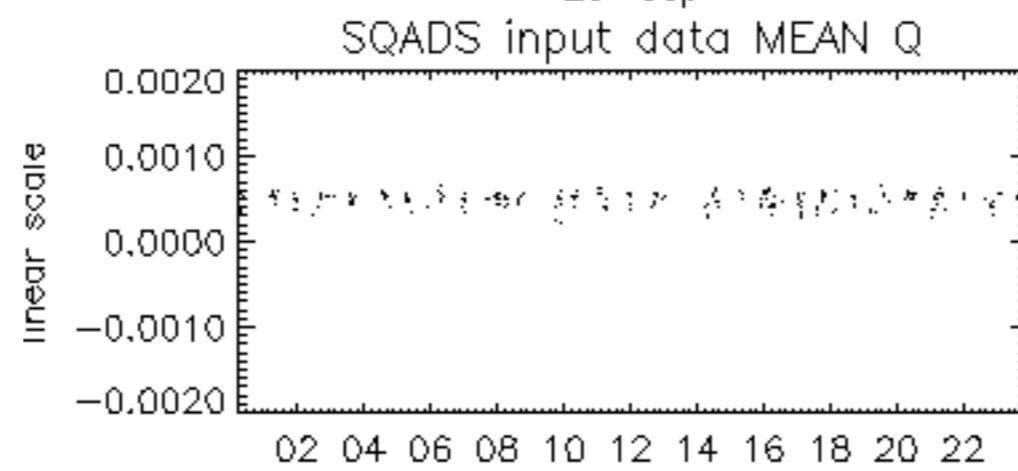




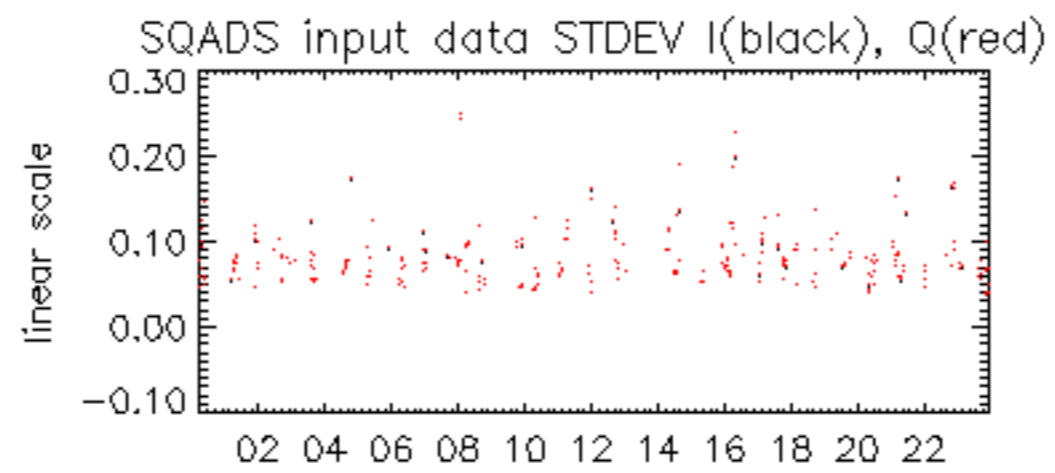
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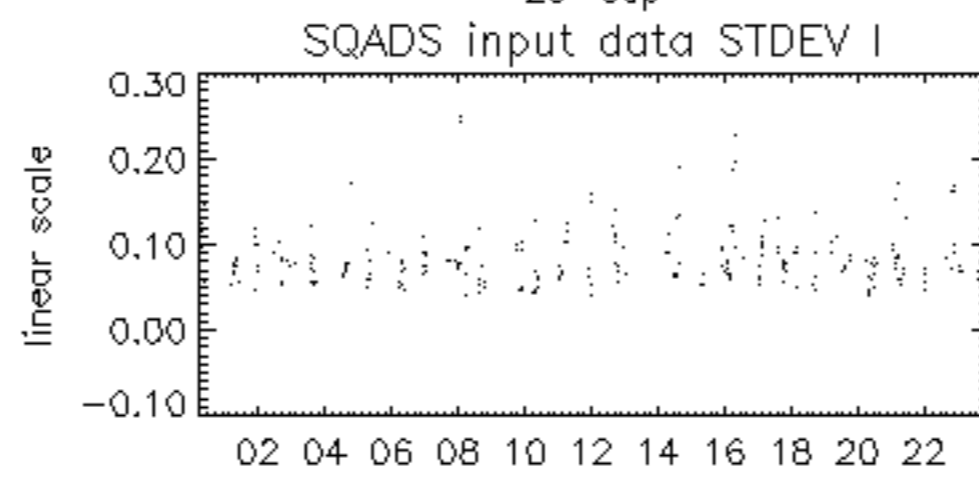
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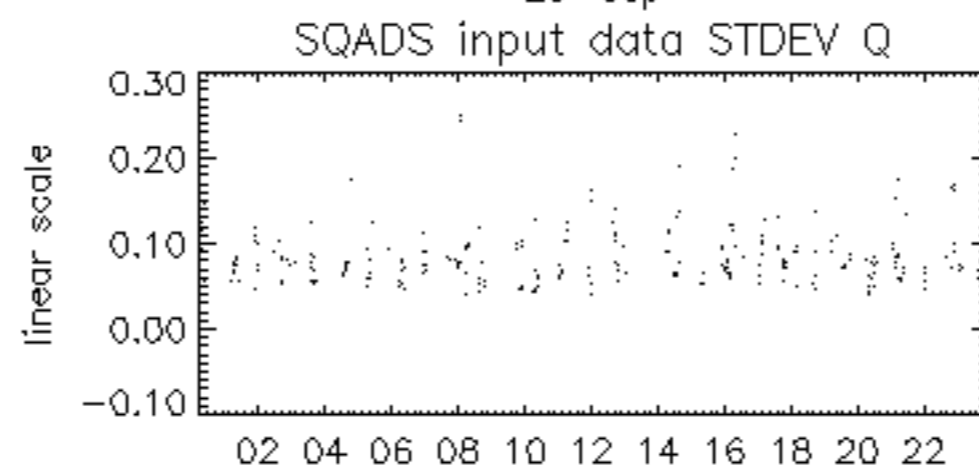
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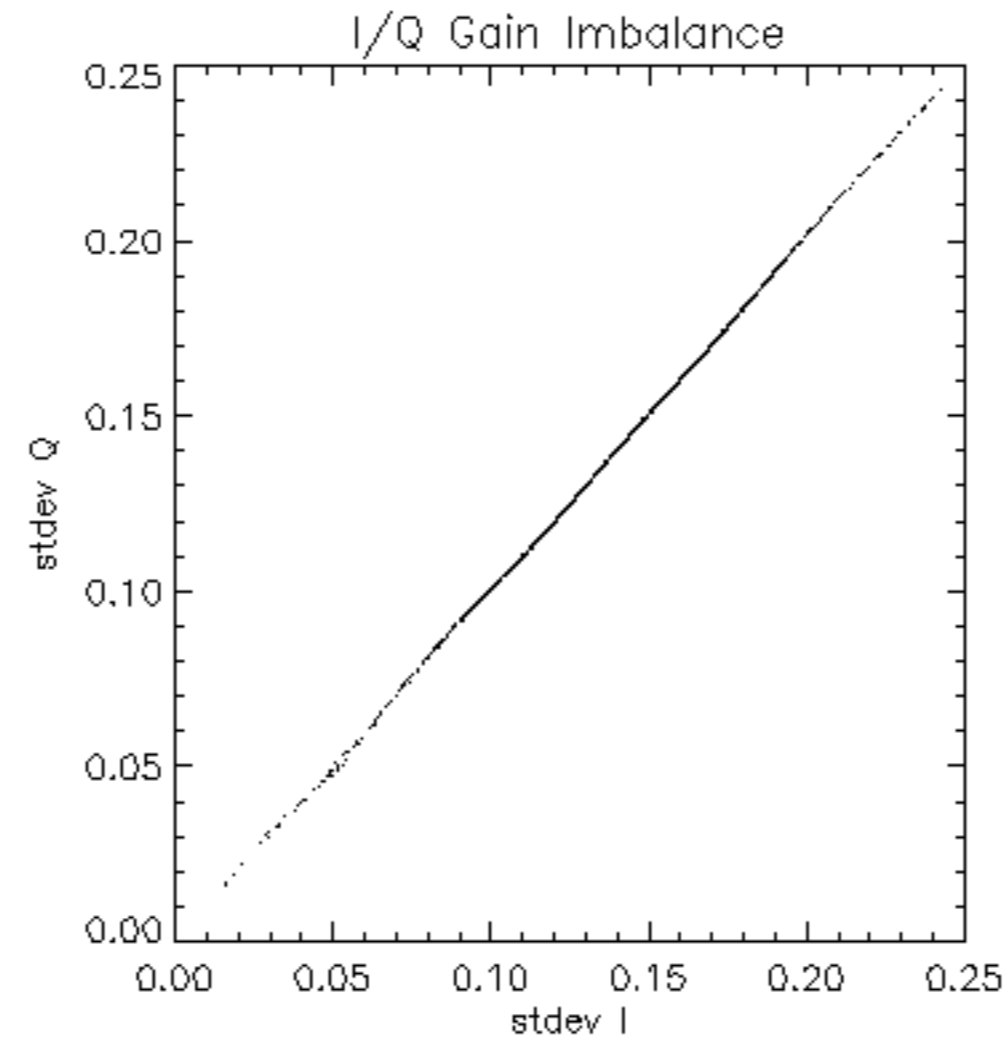
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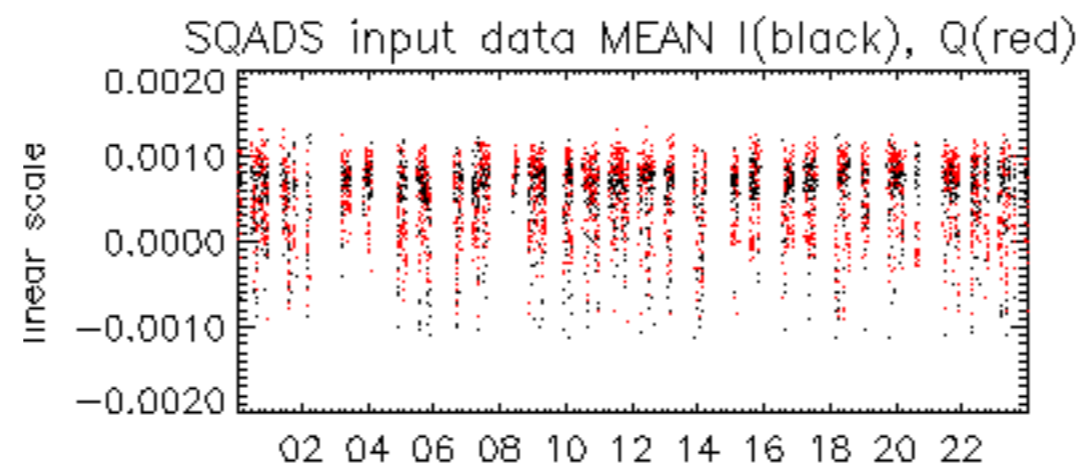


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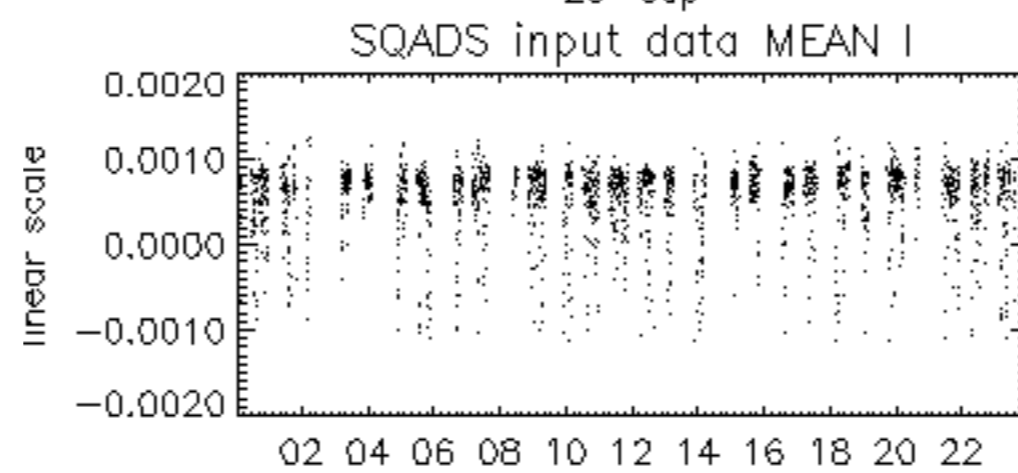


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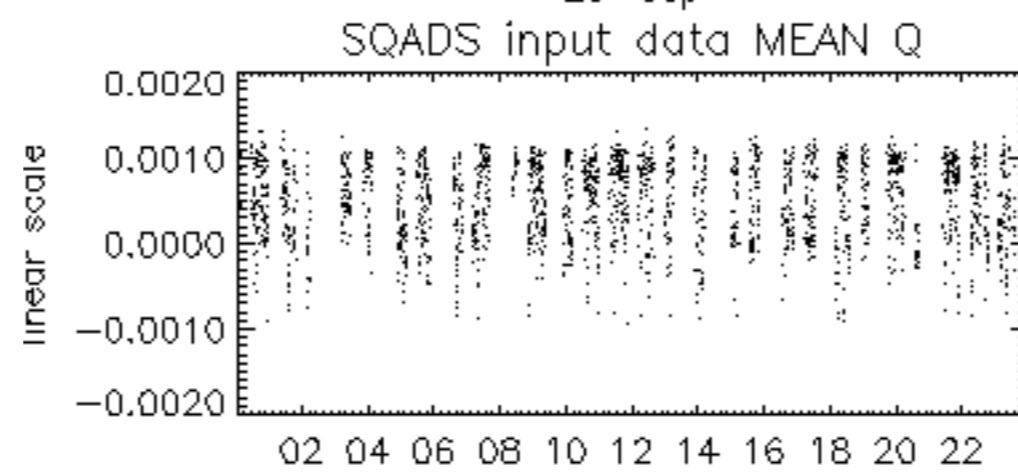




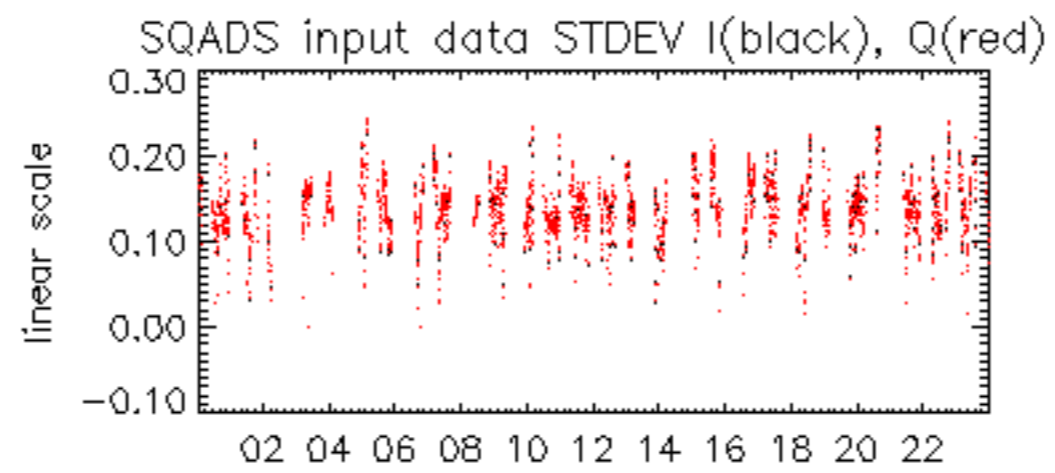
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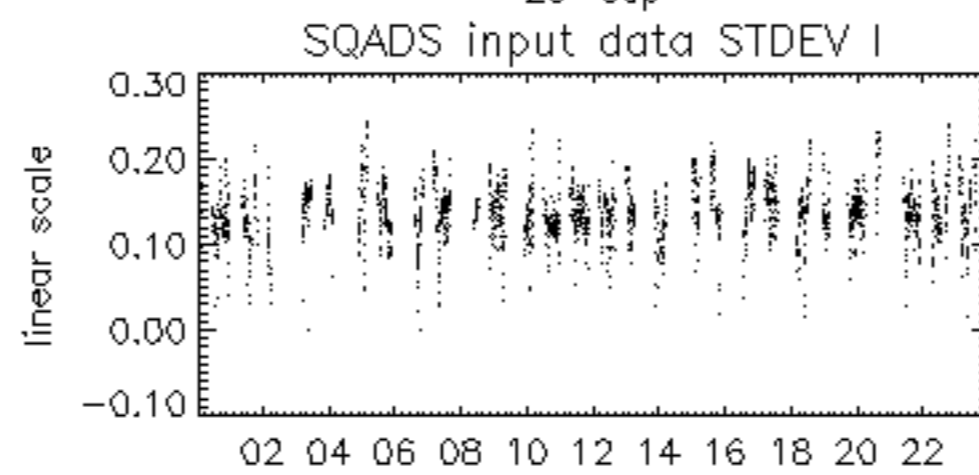
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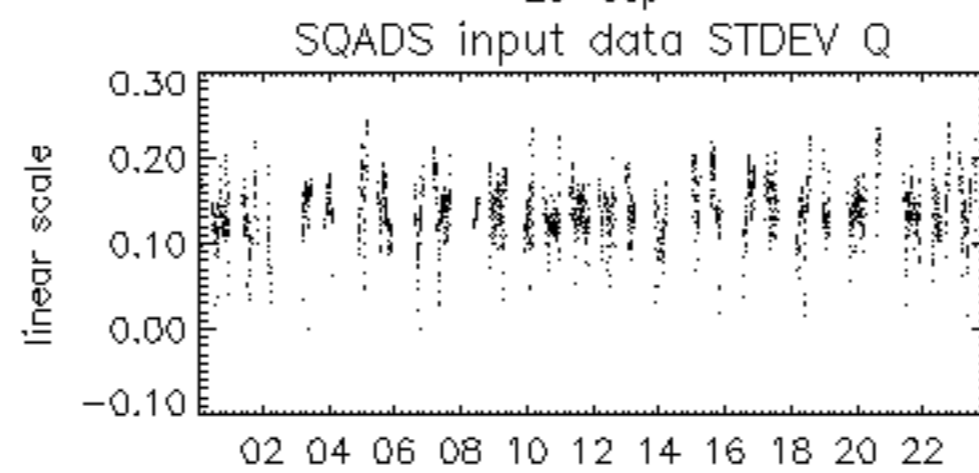
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