



# ASAR Daily Report



Analysis from 12-NOV-2007 00:00:00 to 12-NOV-2007 23:59:59. Page generated on 13-NOV-2007 07:46:20.  
View log file: ASAR\_Daily\_Report\_20071113\_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	4	PDE	WS	H/H	37	PDE	IS2	H/H	2	PDE	IS1	H/H	1	PDE	WS	H/H	25	PDE	2007-11-12 05:40:42	V	320
PDE	IS2	V/V	27	PDK	WS	H/H	36	PDE	IS3	H/H	1	PDE	IS1	V/V	2	PDE	WS	V/V	12				
PDK	IS2	V/V	23					PDE	IS4	V/H	1	PDE	IS2	V/V	12	PDK	WS	H/H	9				
								PDK	IS1	H/V	1	PDE	IS5	H/H	2	PDK	WS	V/V	1				
												PDE	IS5	V/V	1								
												PDE	IS6	H/H	5								
												PDE	IS6	V/V	1								
												PDE	IS7	V/V	2								
												PDK	IS2	***	1								
												PDK	IS2	V/V	12								
												PDK	IS7	V/V	1								

## 1.2 - Lists of products used

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[\[TXT\]](#) [\[XLS\]](#) List\_WVS\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_GM1\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_APM\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_IMM\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_WSM\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_MS\_products\_used

## 2 - AUXILIARY FILES ANALYSIS

### 2.1 - IECF operational ADFs list

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ADFs disseminated for ASAR
ASA_CON_AXVIEC20070410_140202_20070204_165113_20071231_000000
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000
ASA_XCA_AXVIEC20070517_153558_20070204_165113_20071231_000000

### 2.2 - Products with wrong ADFs

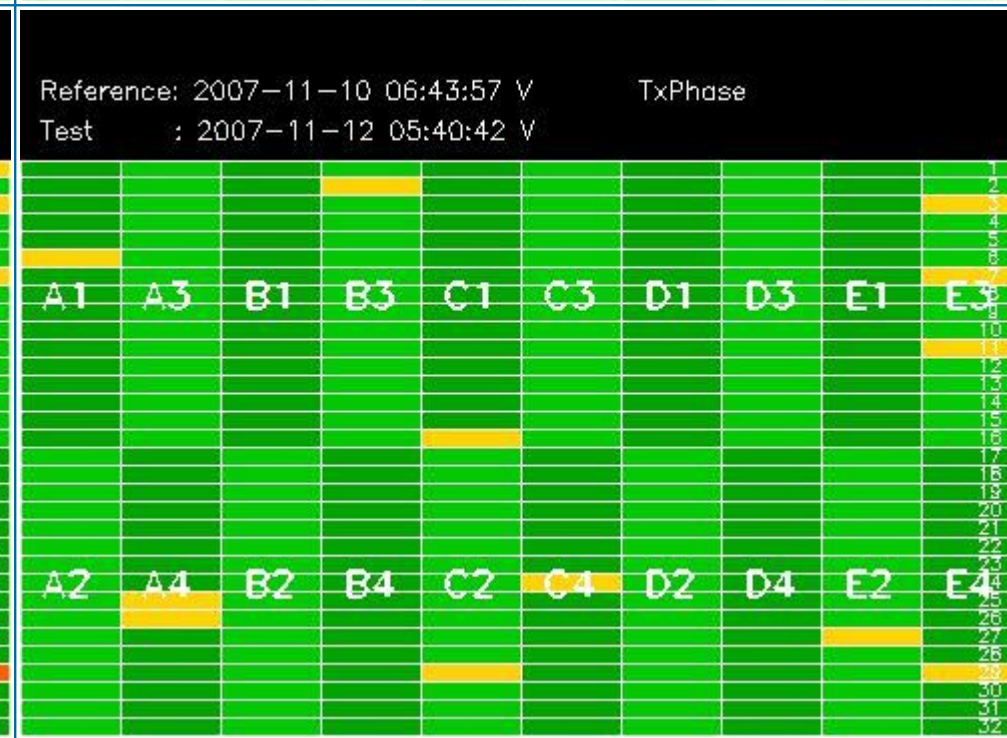
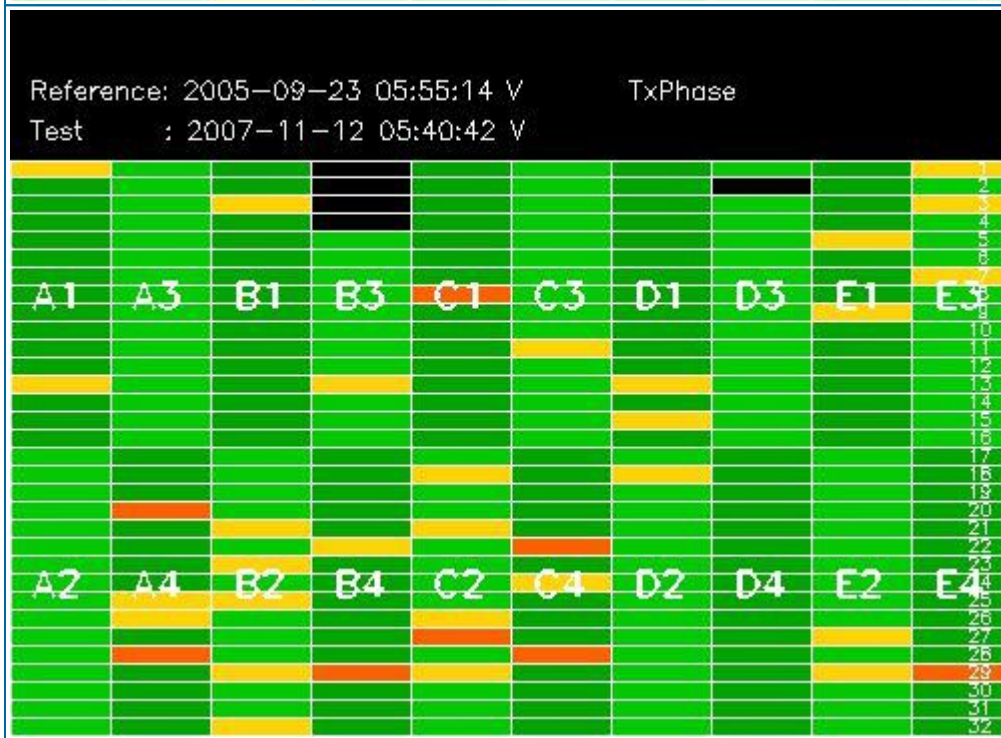
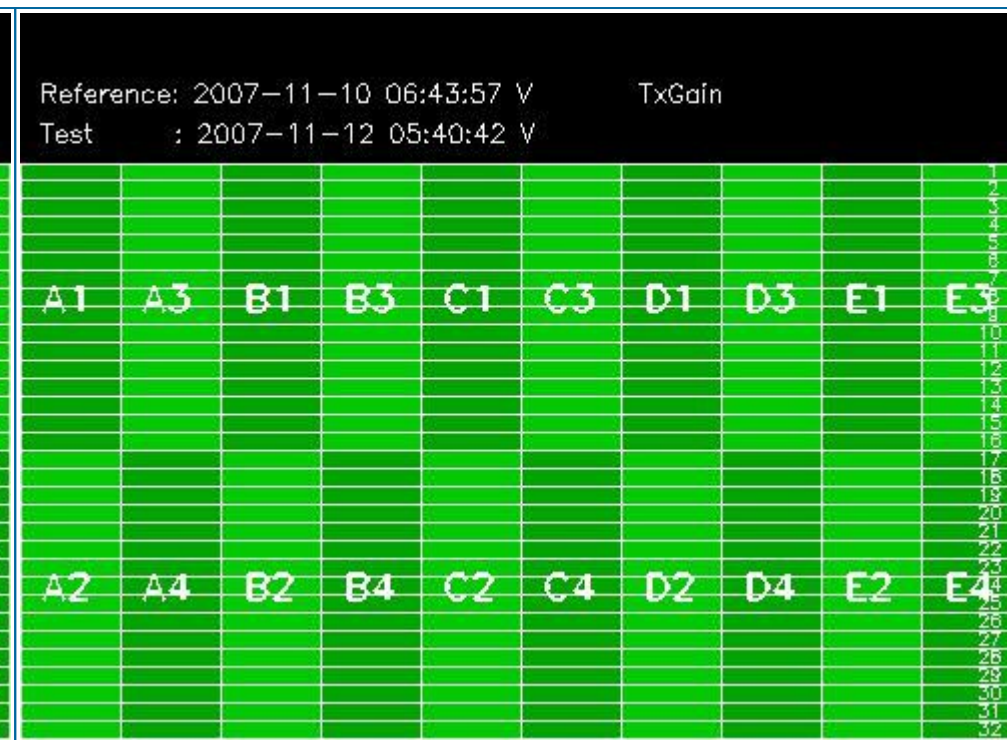
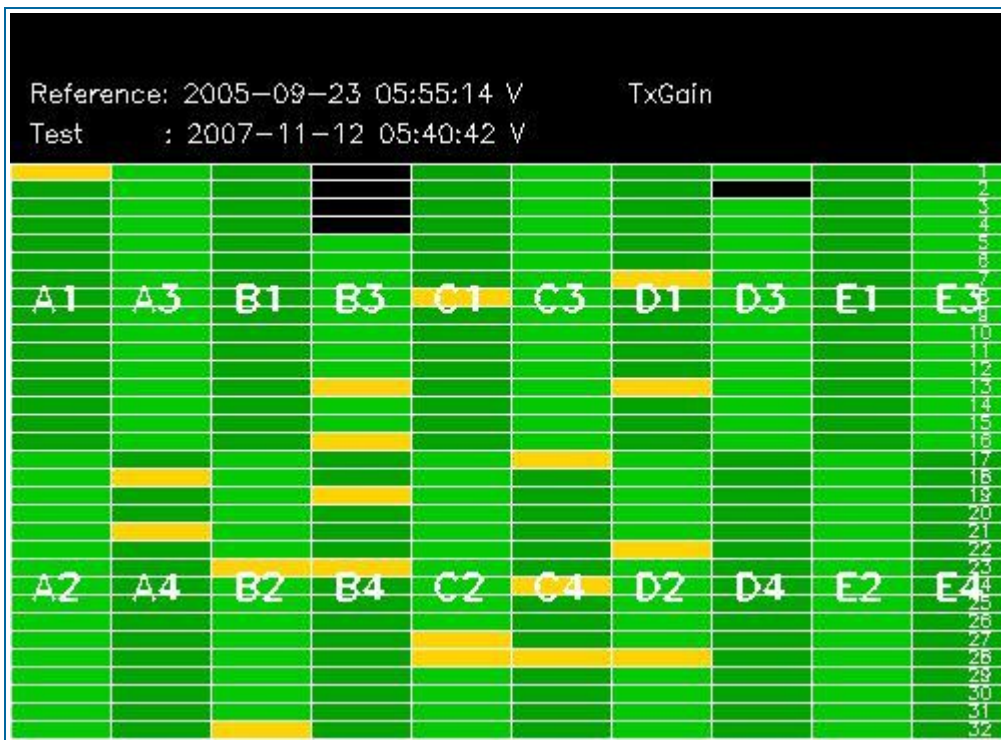
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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_WVS  
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_GM1



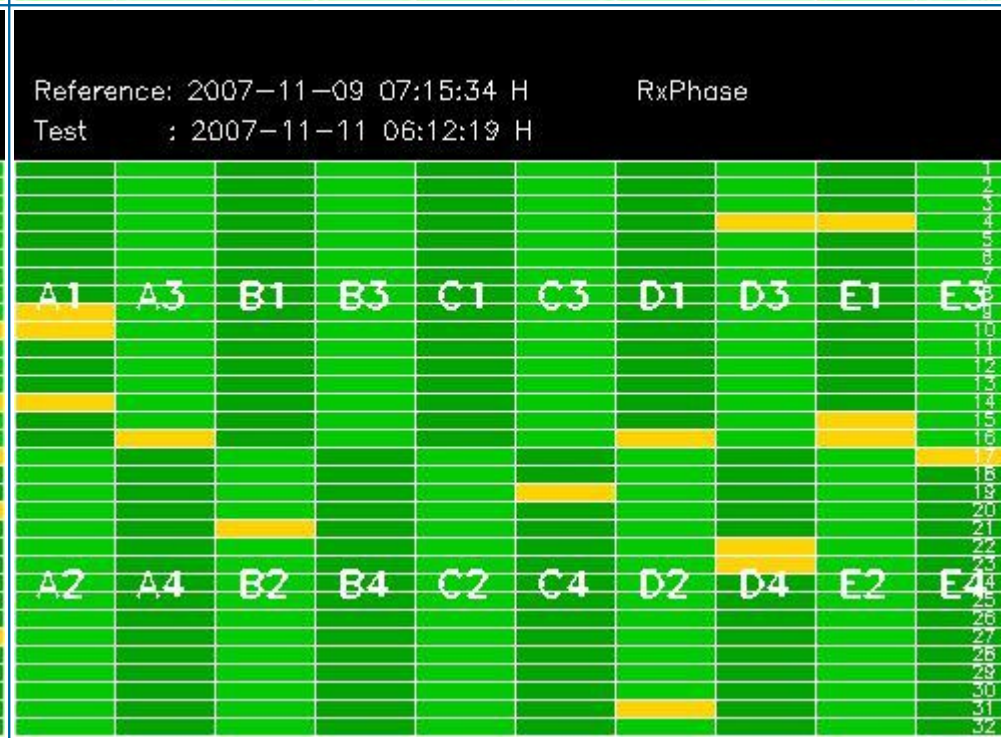
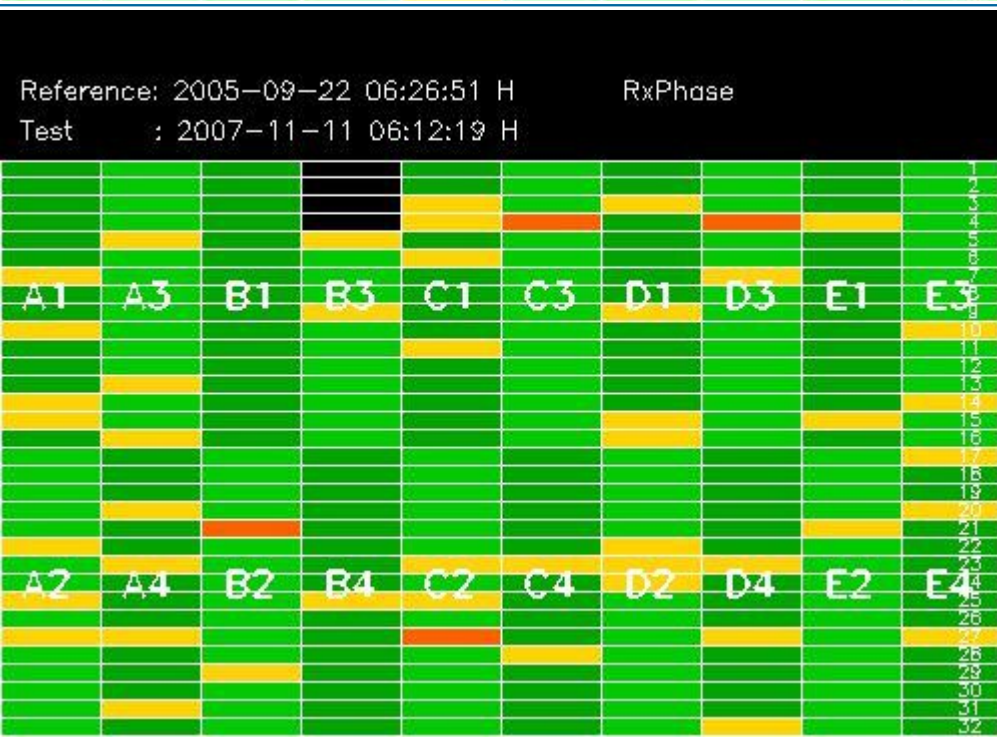
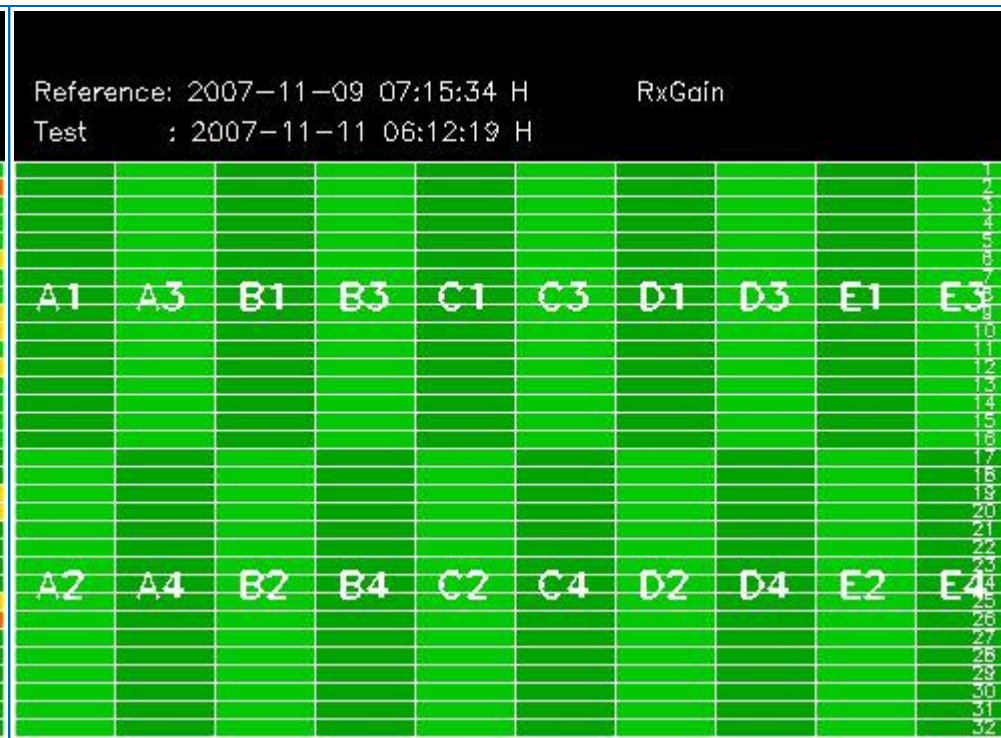
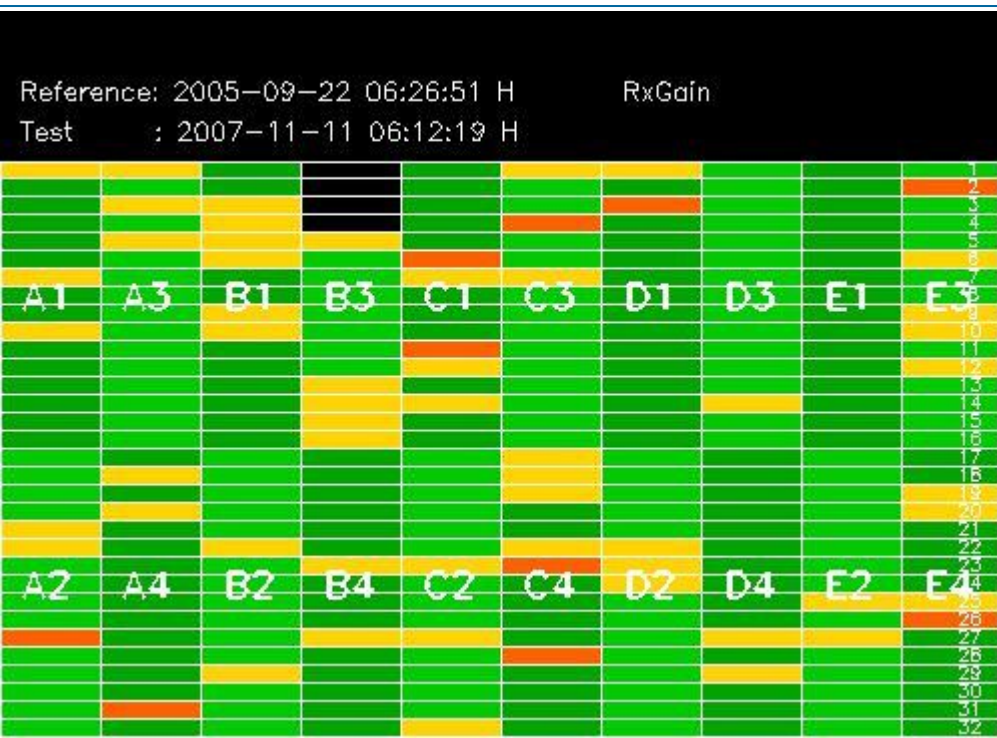




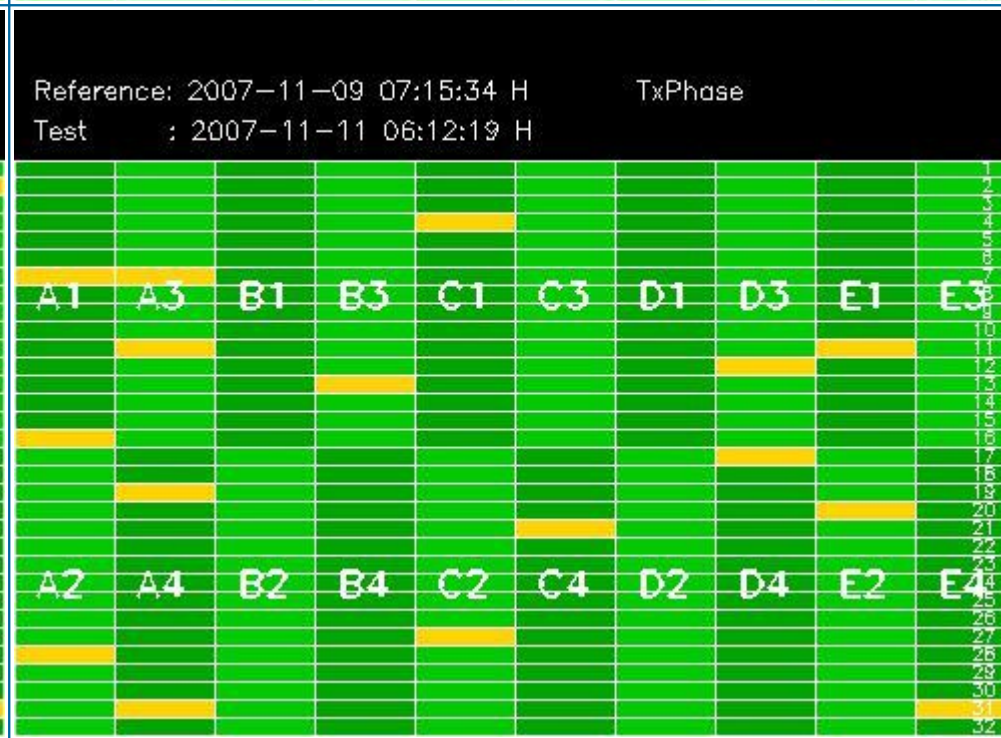
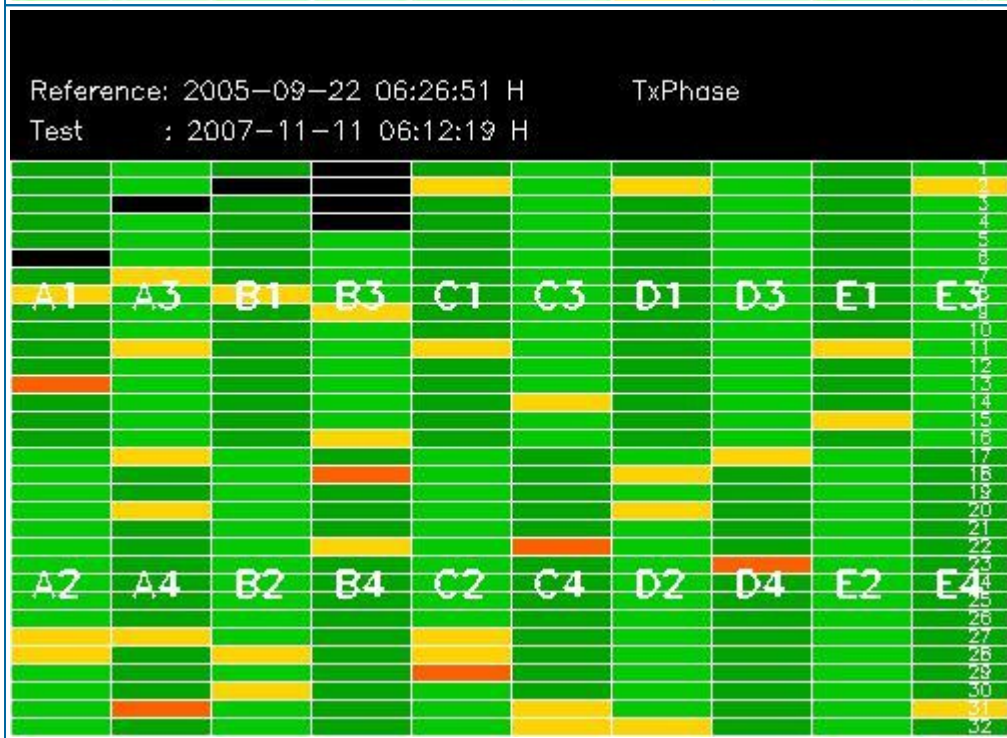
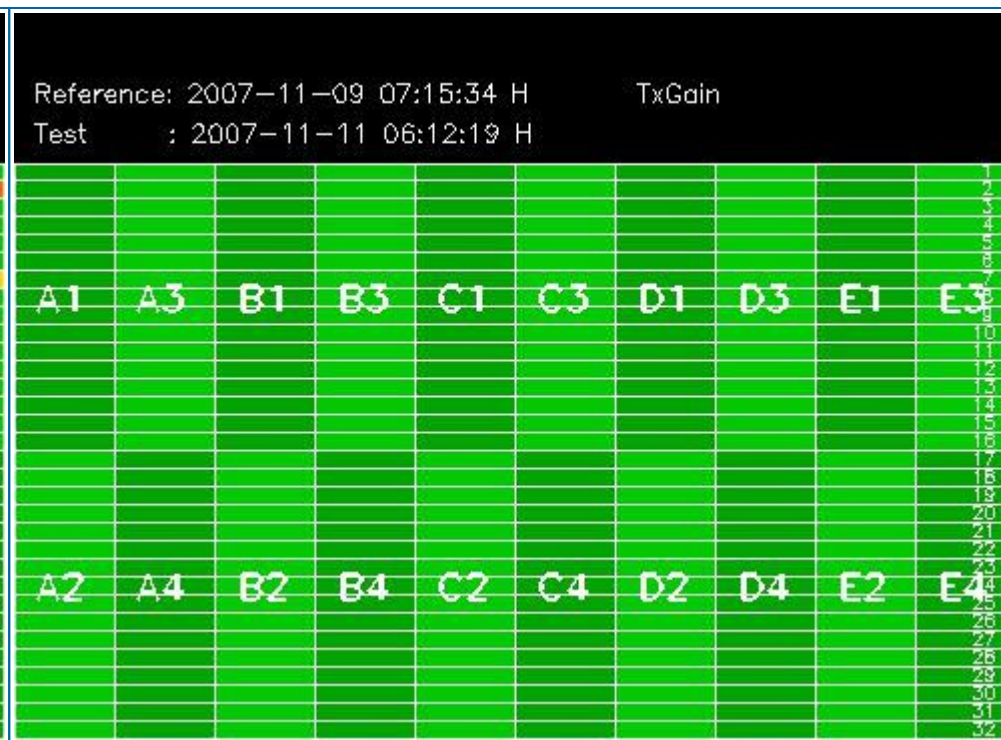
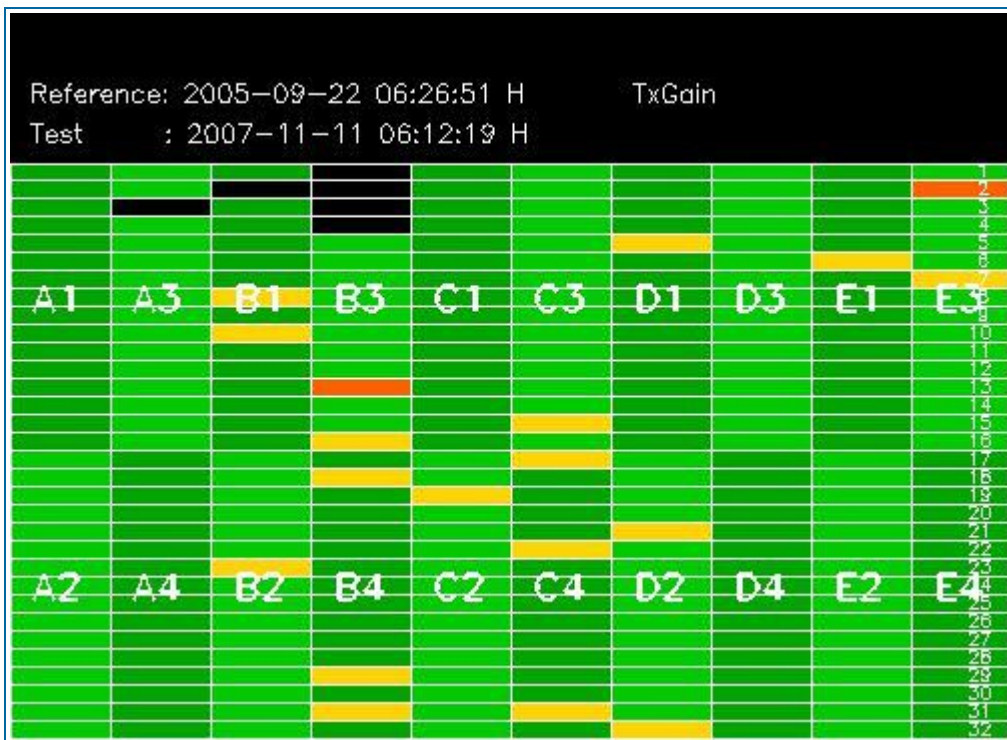
### 3.2 - H/H polarisation

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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

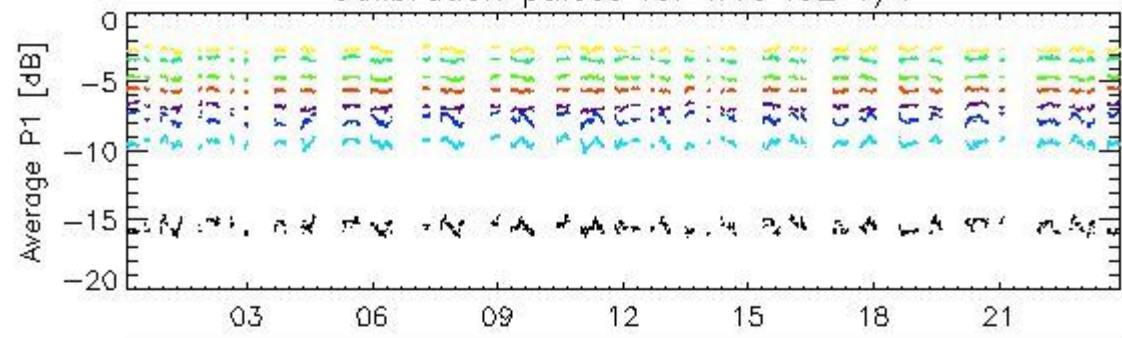
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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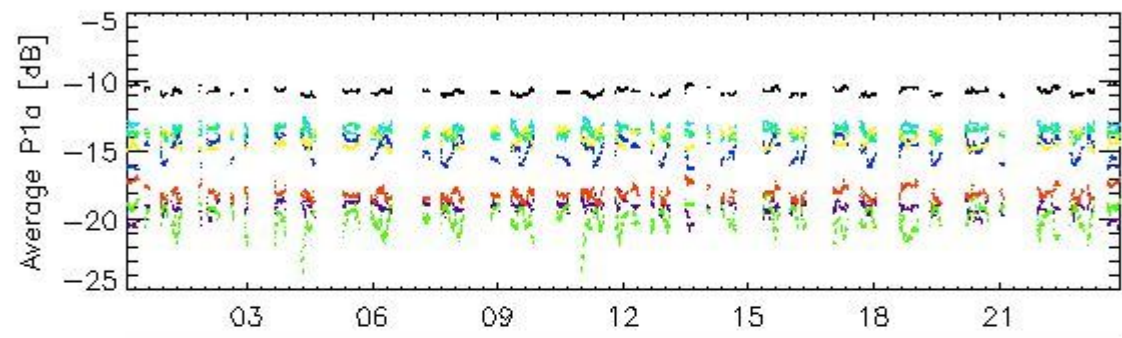
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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]

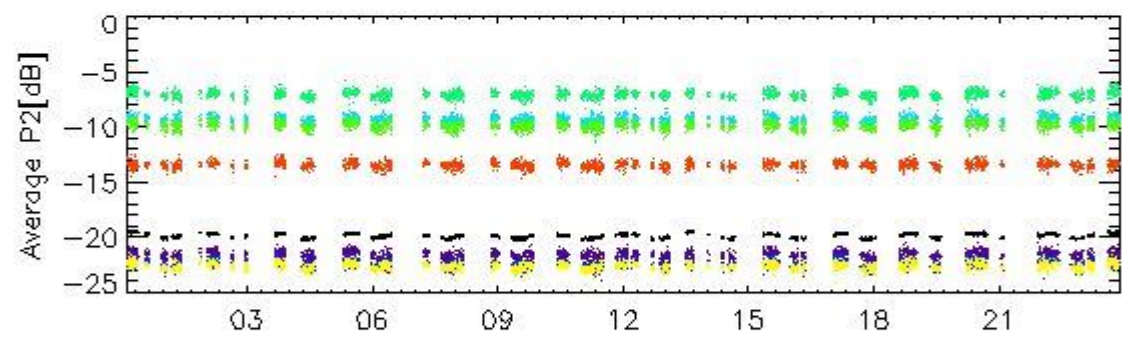
Calibration pulses for WVS IS2 V/V



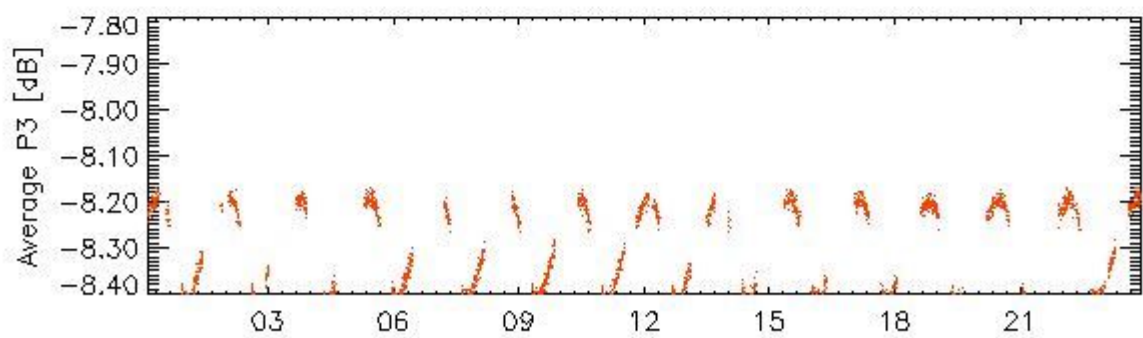
12-Nov



12-Nov



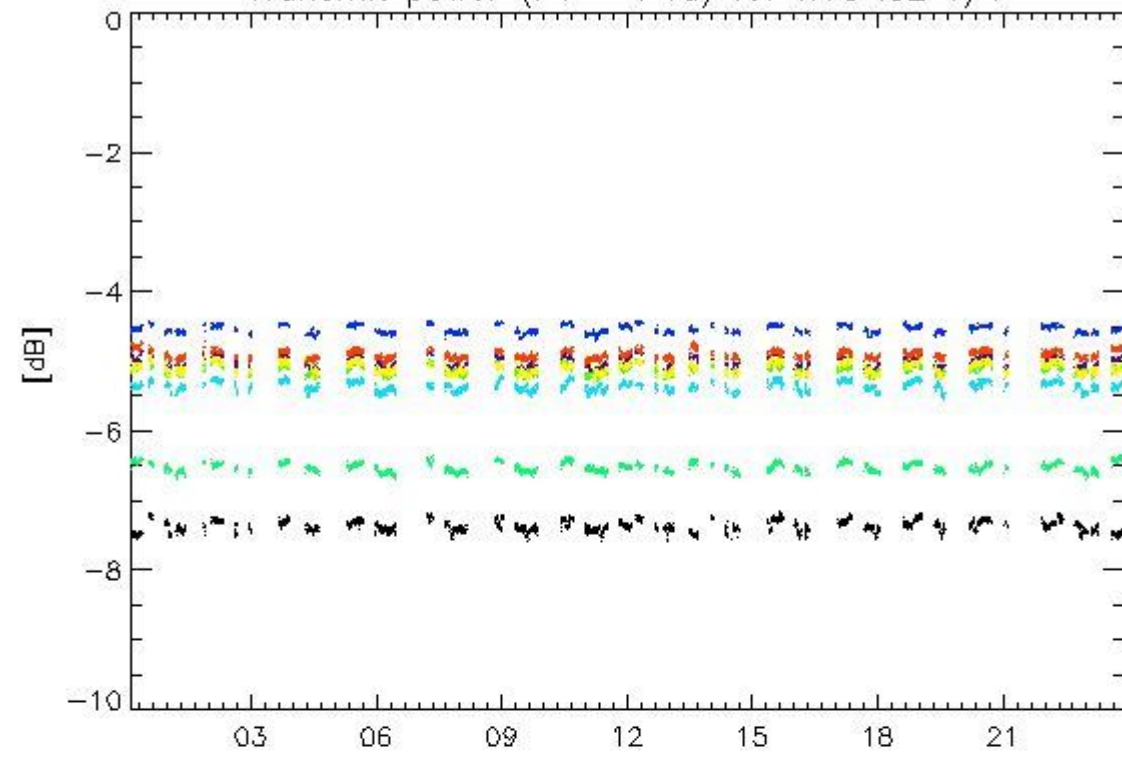
12-Nov



12-Nov

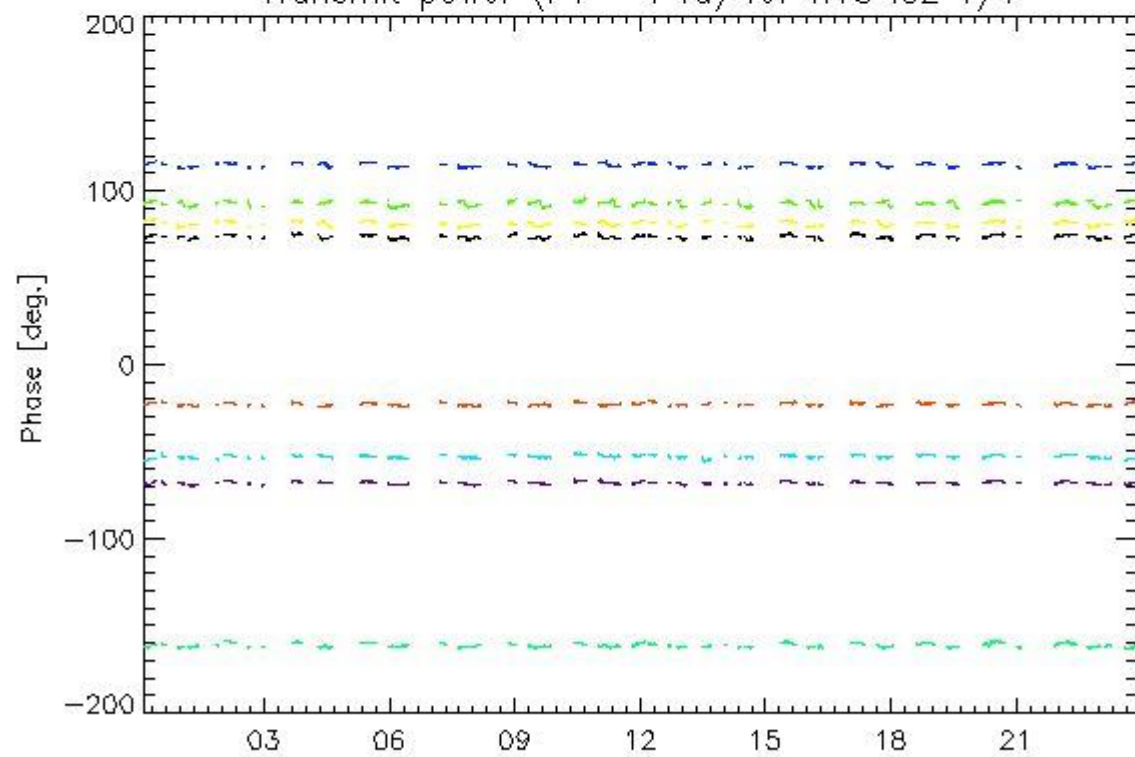
rows: - 1 - 5 - 9 - 13 - 17 - 21 - 25 - 29

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



12-Nov

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



12-Nov

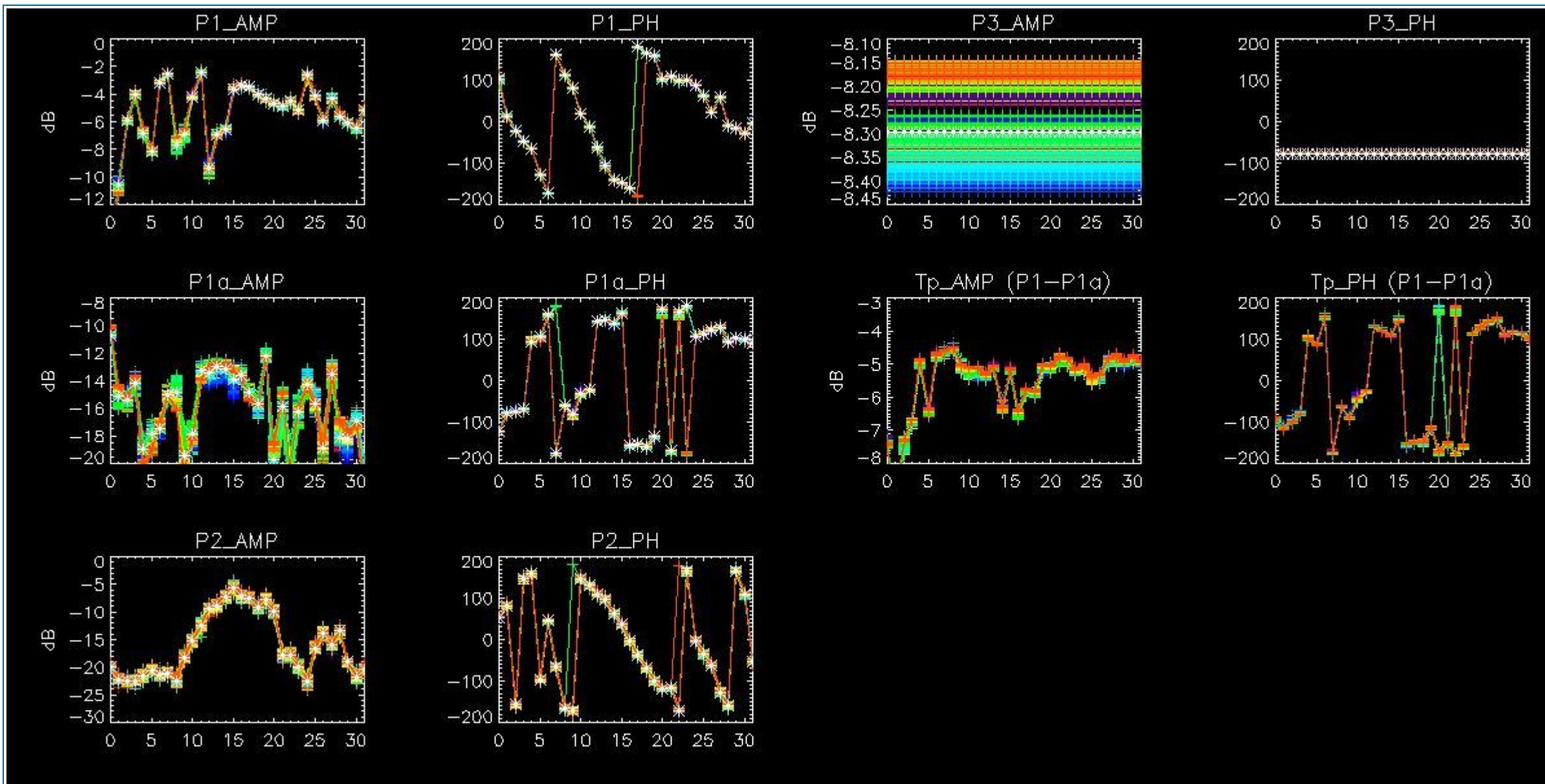
rows: - 1 - 5 - 9 - 13 - 17 - 21 - 25 - 29

#### 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

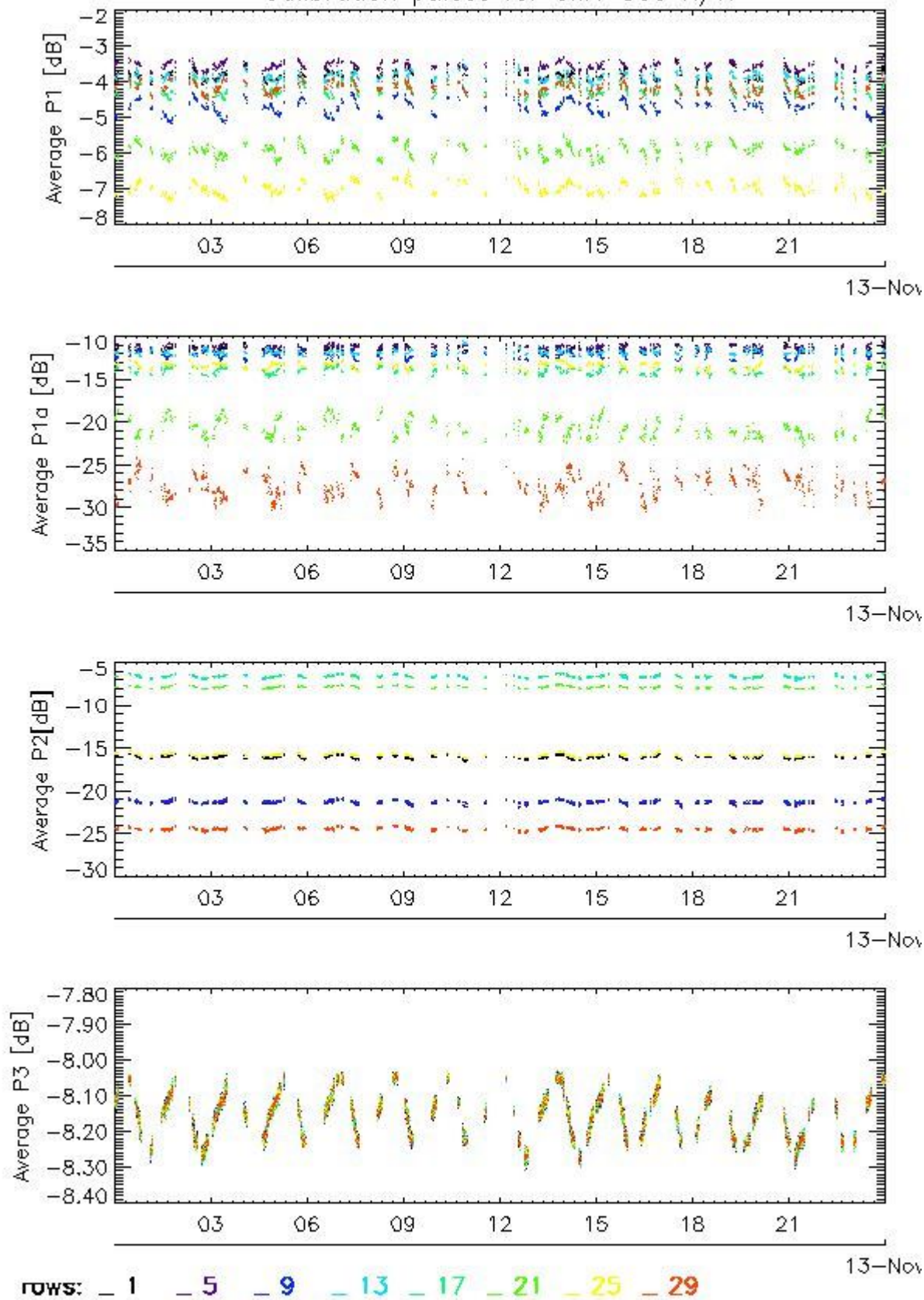
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

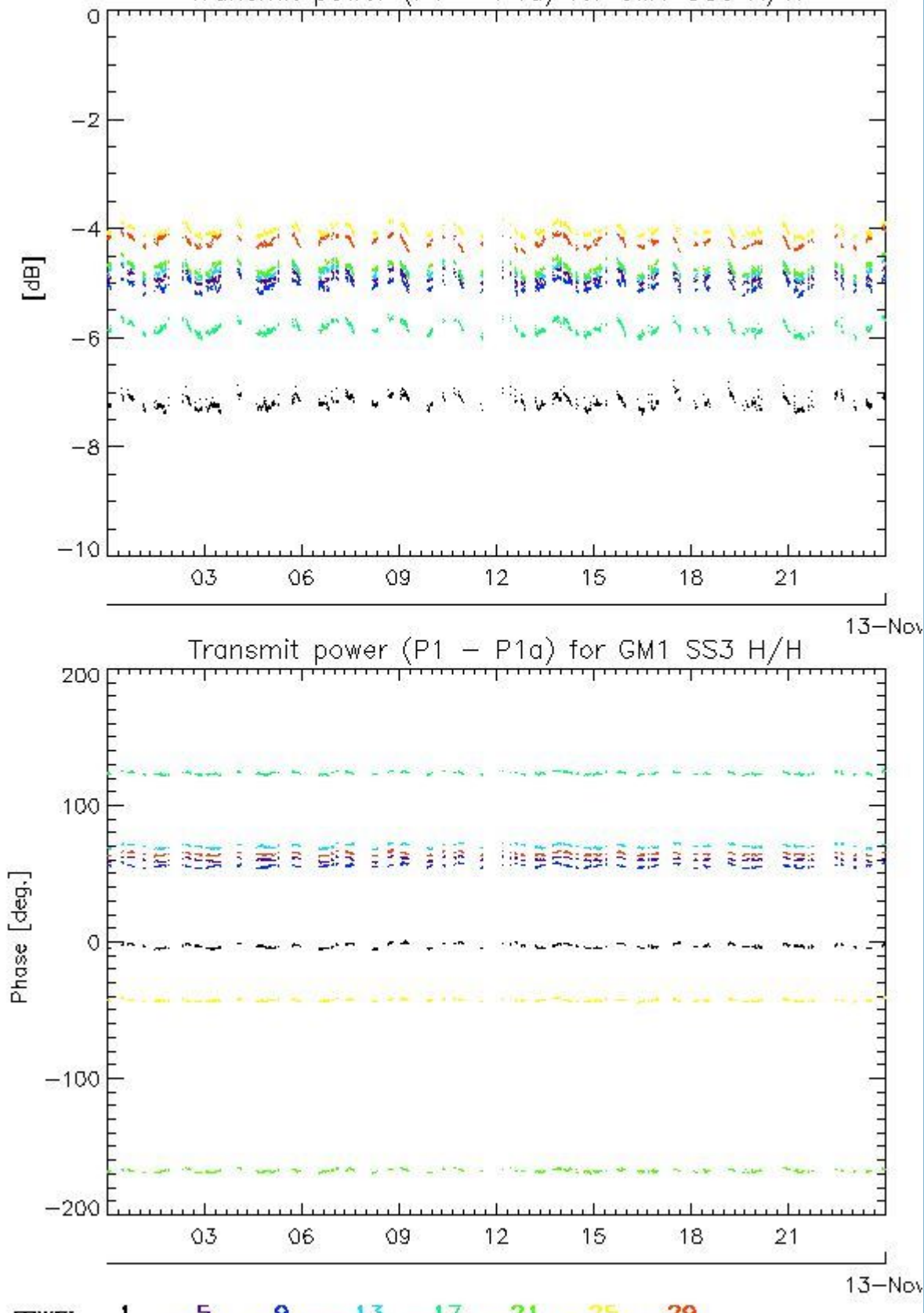
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



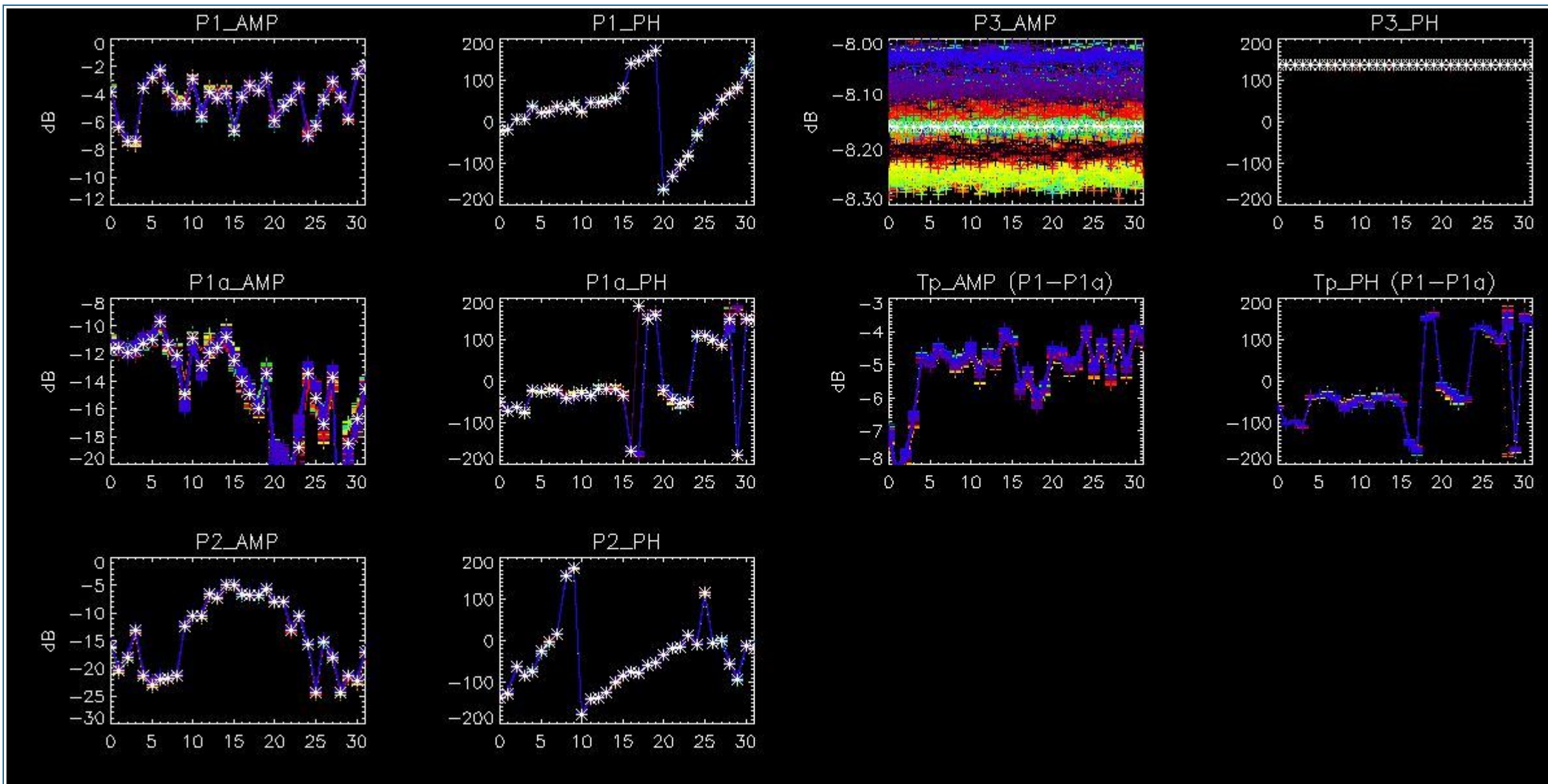
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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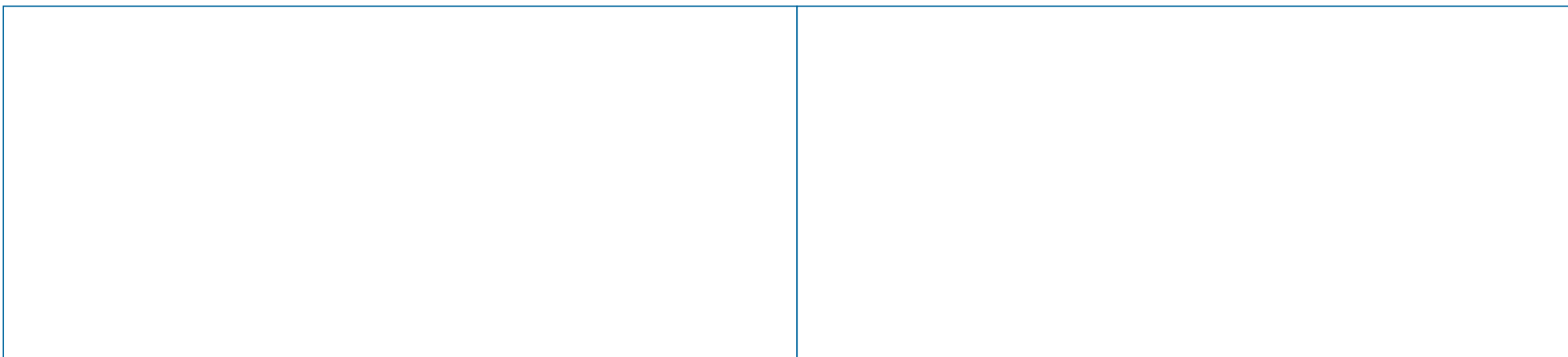


## 5 - DOPPLER ANALYSIS

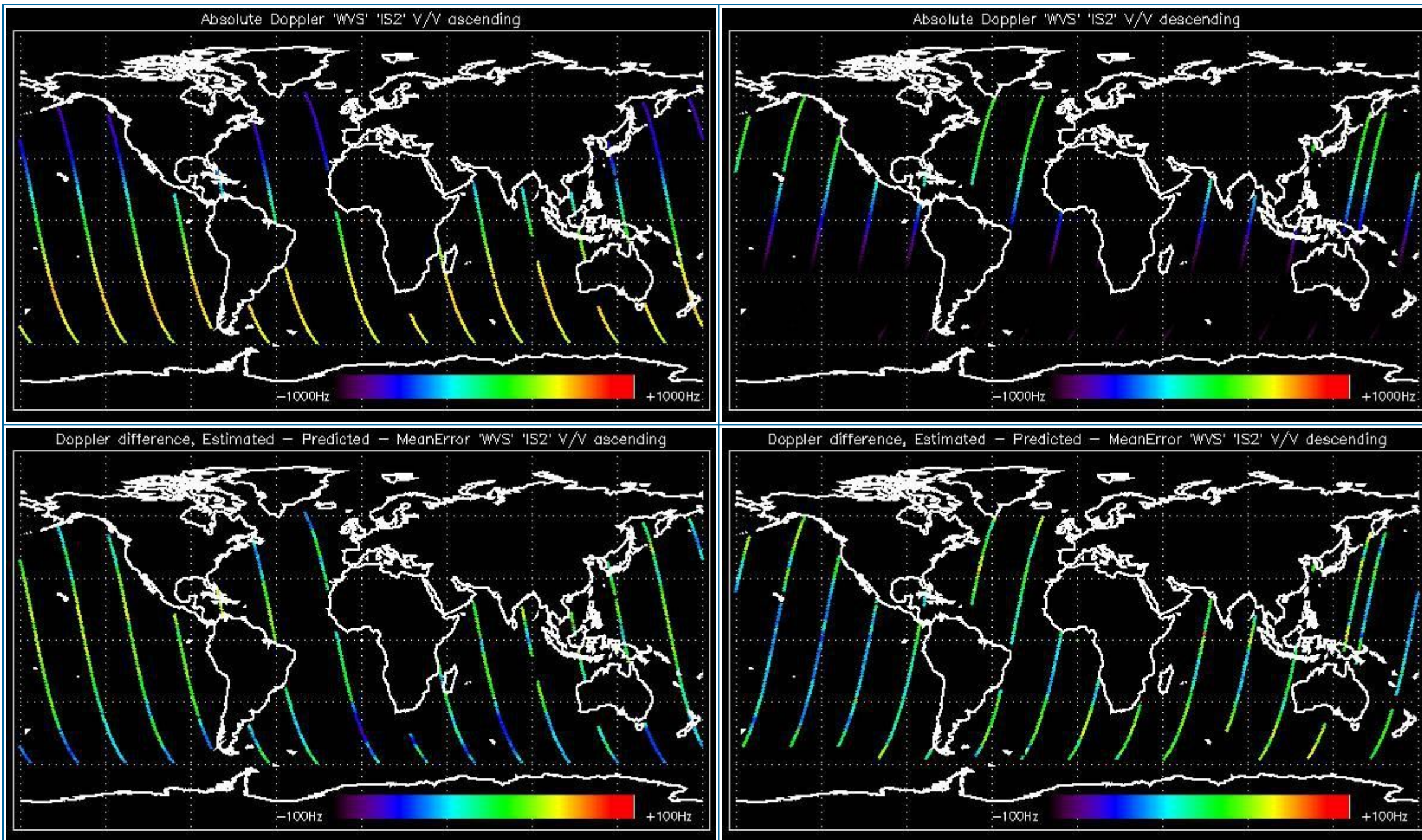
### 5.1 - Analysis for WVS IS2 V/V

#### 5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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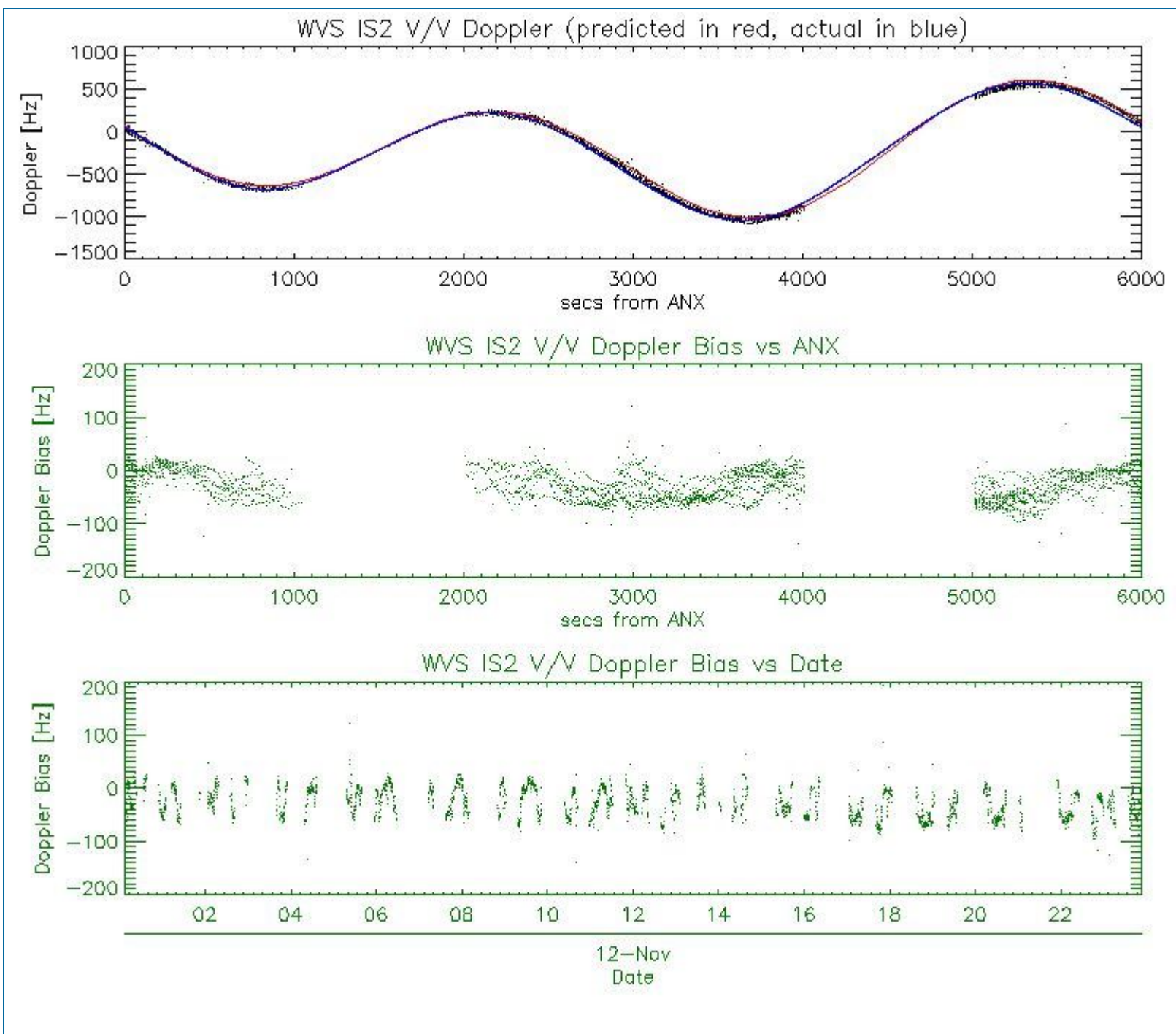




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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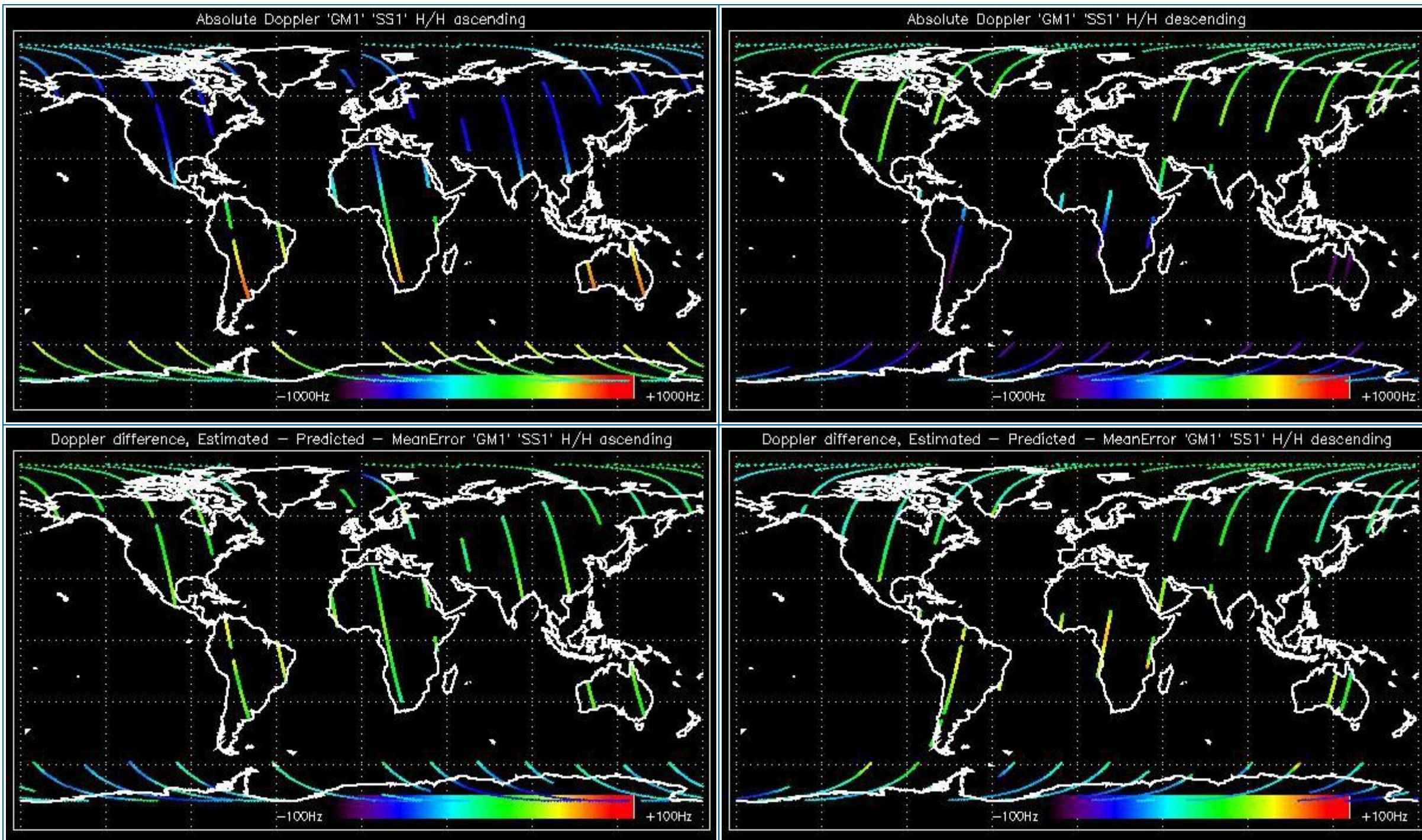
## 5.2 - Analysis for GM1 SS1 H/H

### 5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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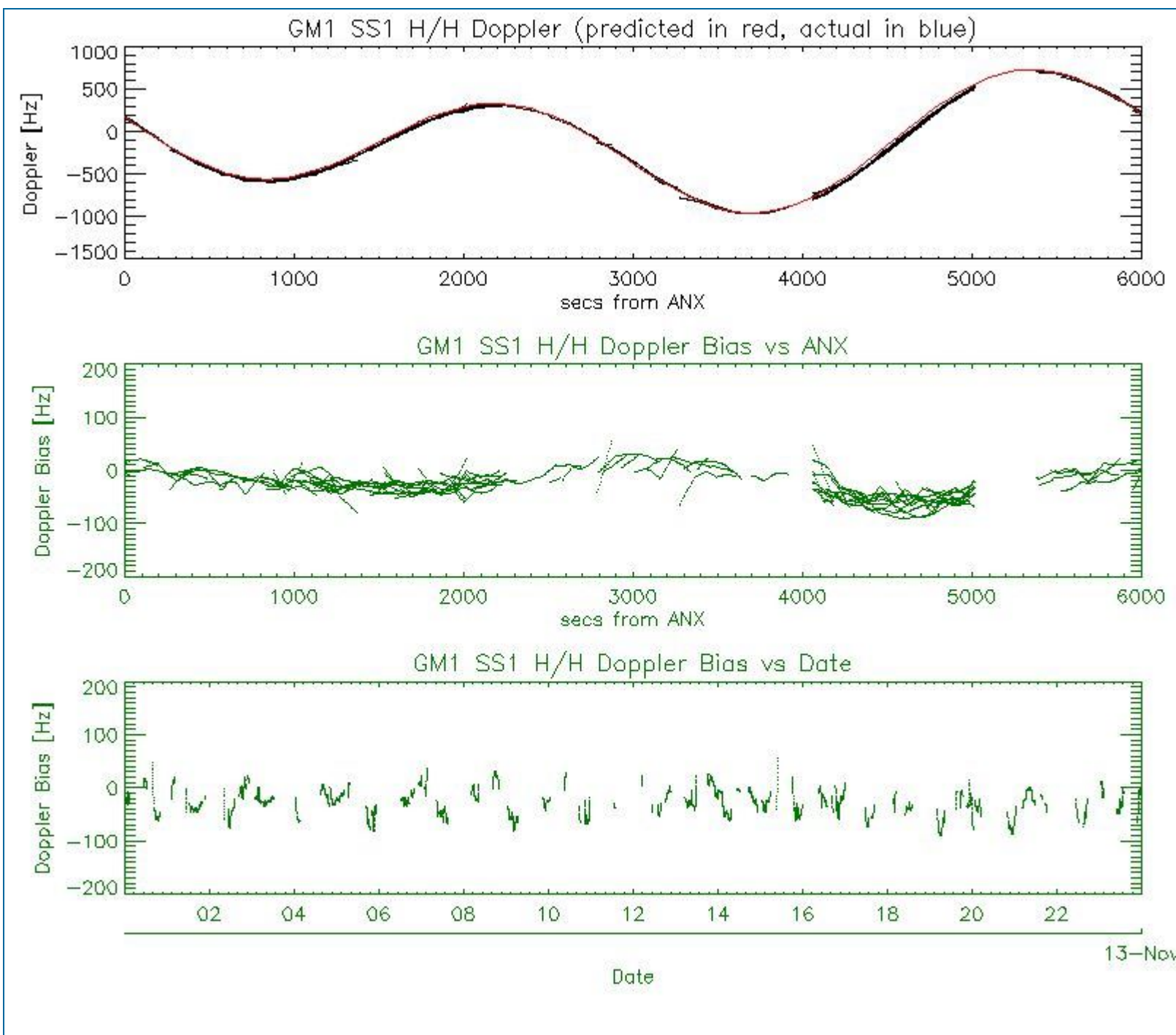




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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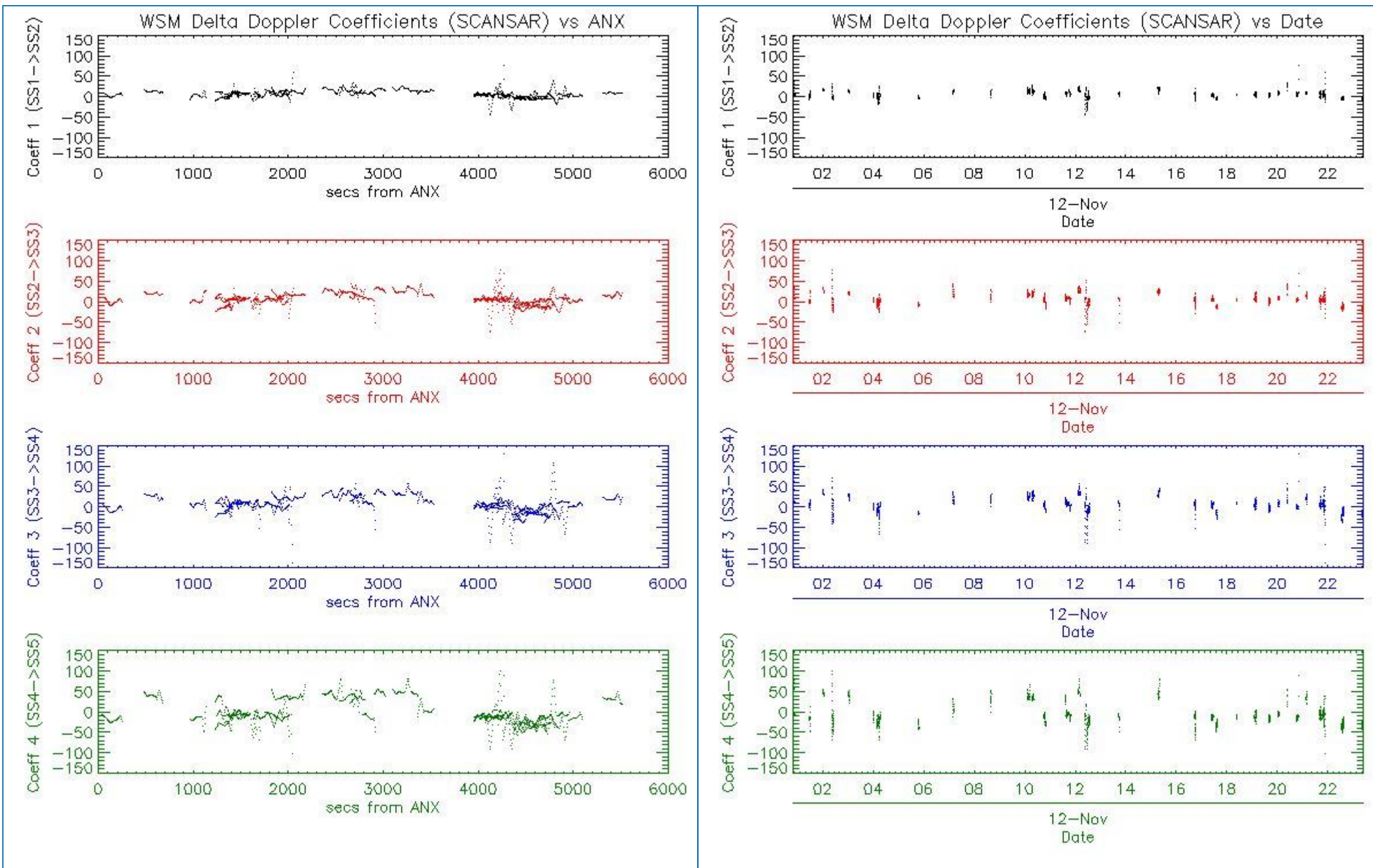


### 5.3 - Doppler JUMPS Analysis for WSM

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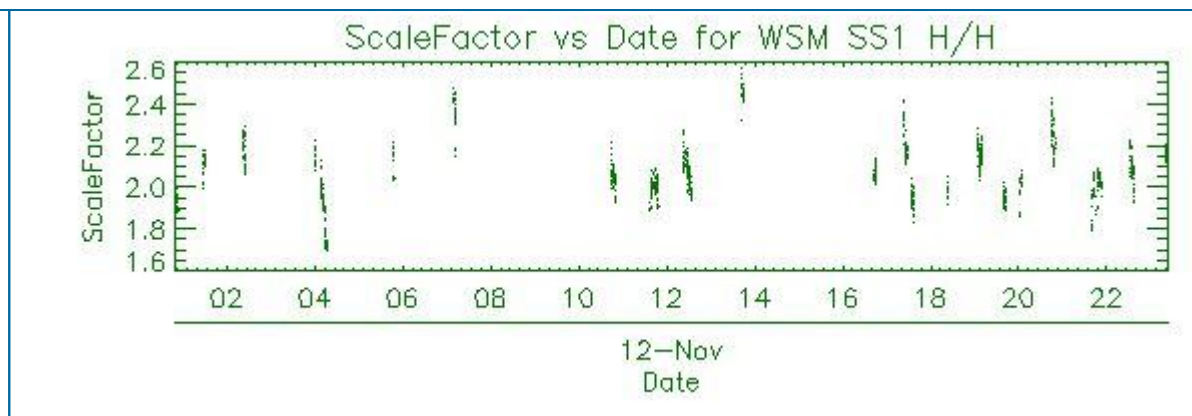
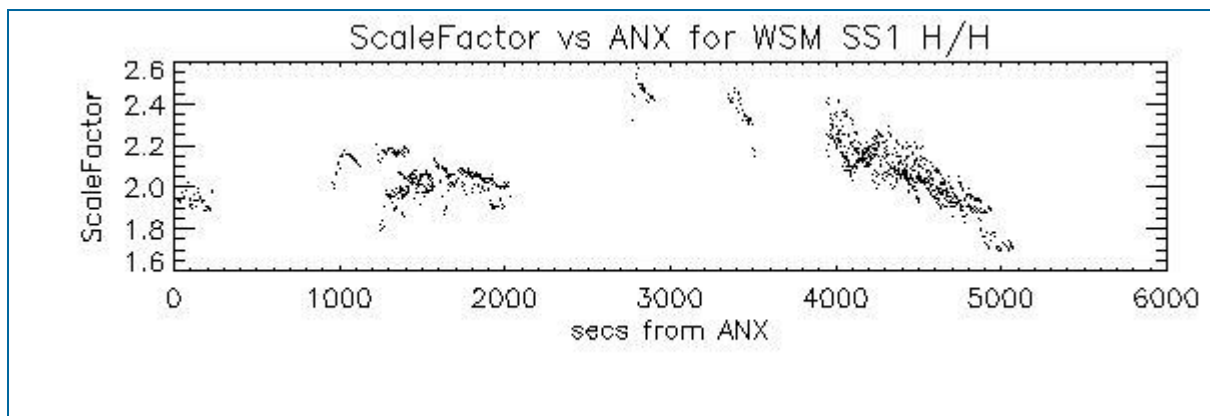
## 6 - CHIRP ANALYSIS

### 6.1 - Analysis for WSM SS1 H/H

#### 6.1.1 - ScaleFactor

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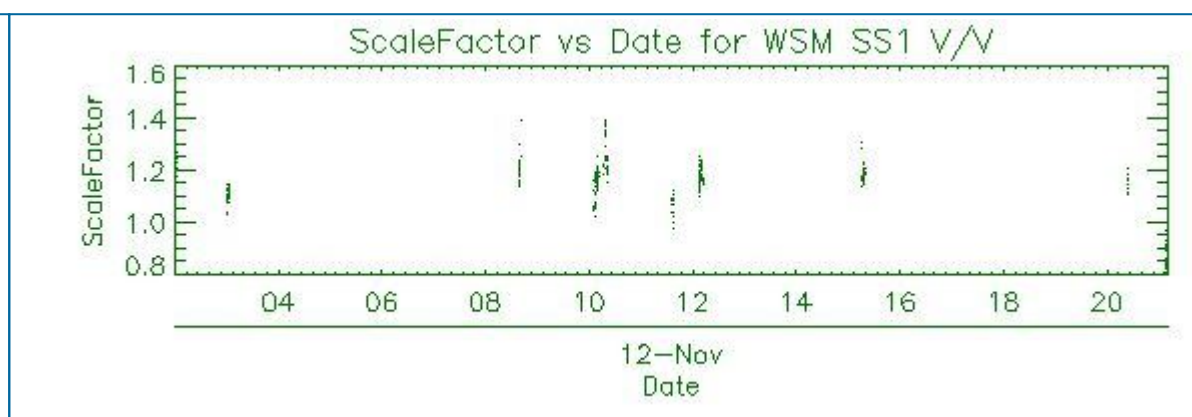
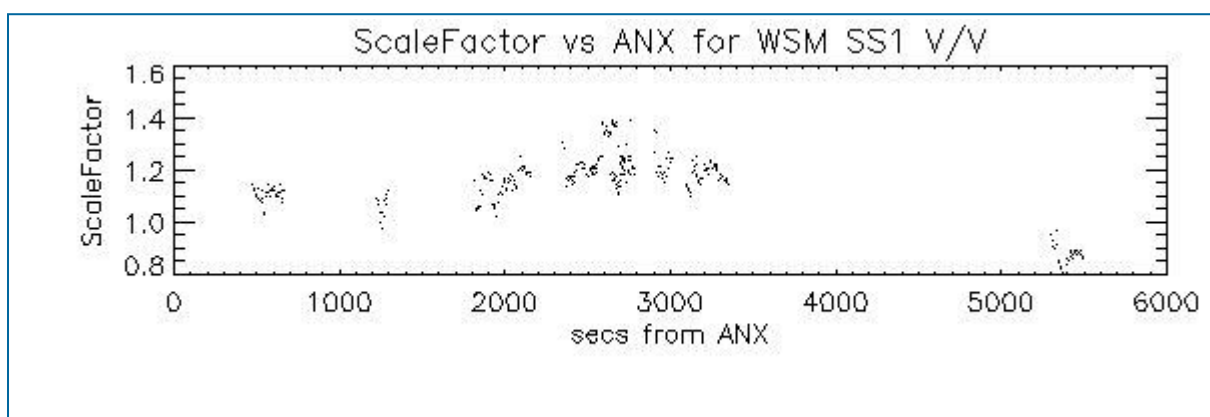




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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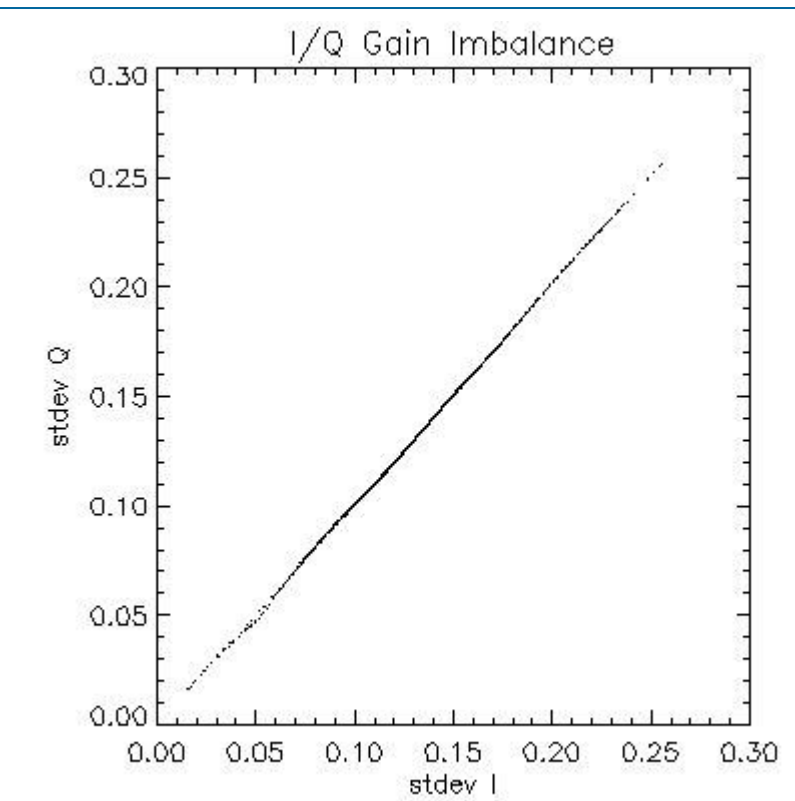
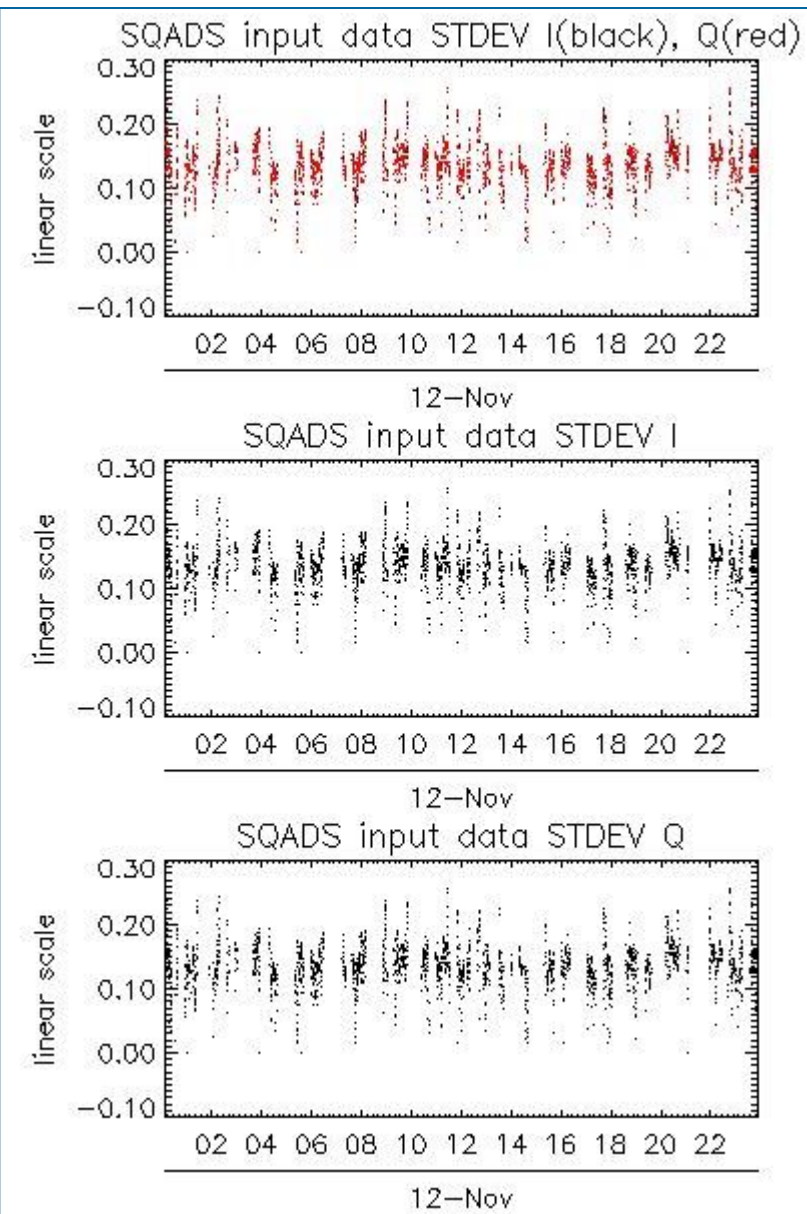
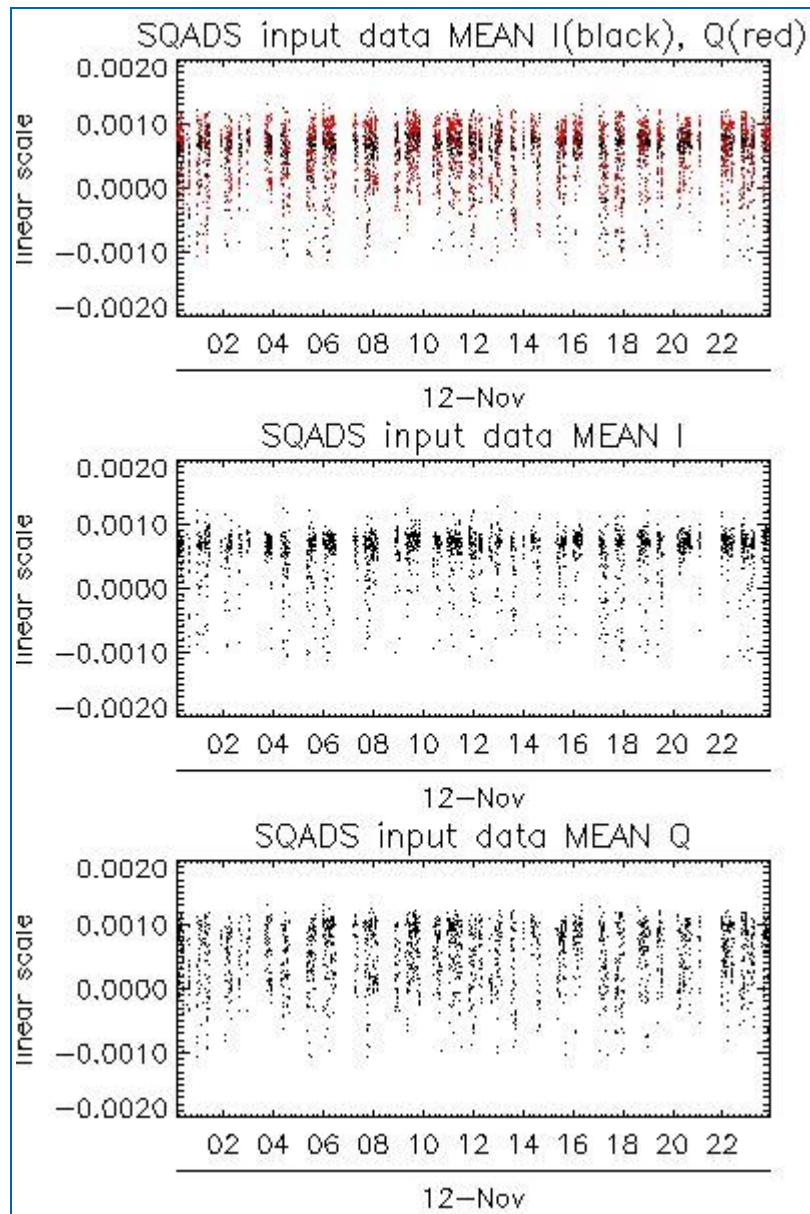
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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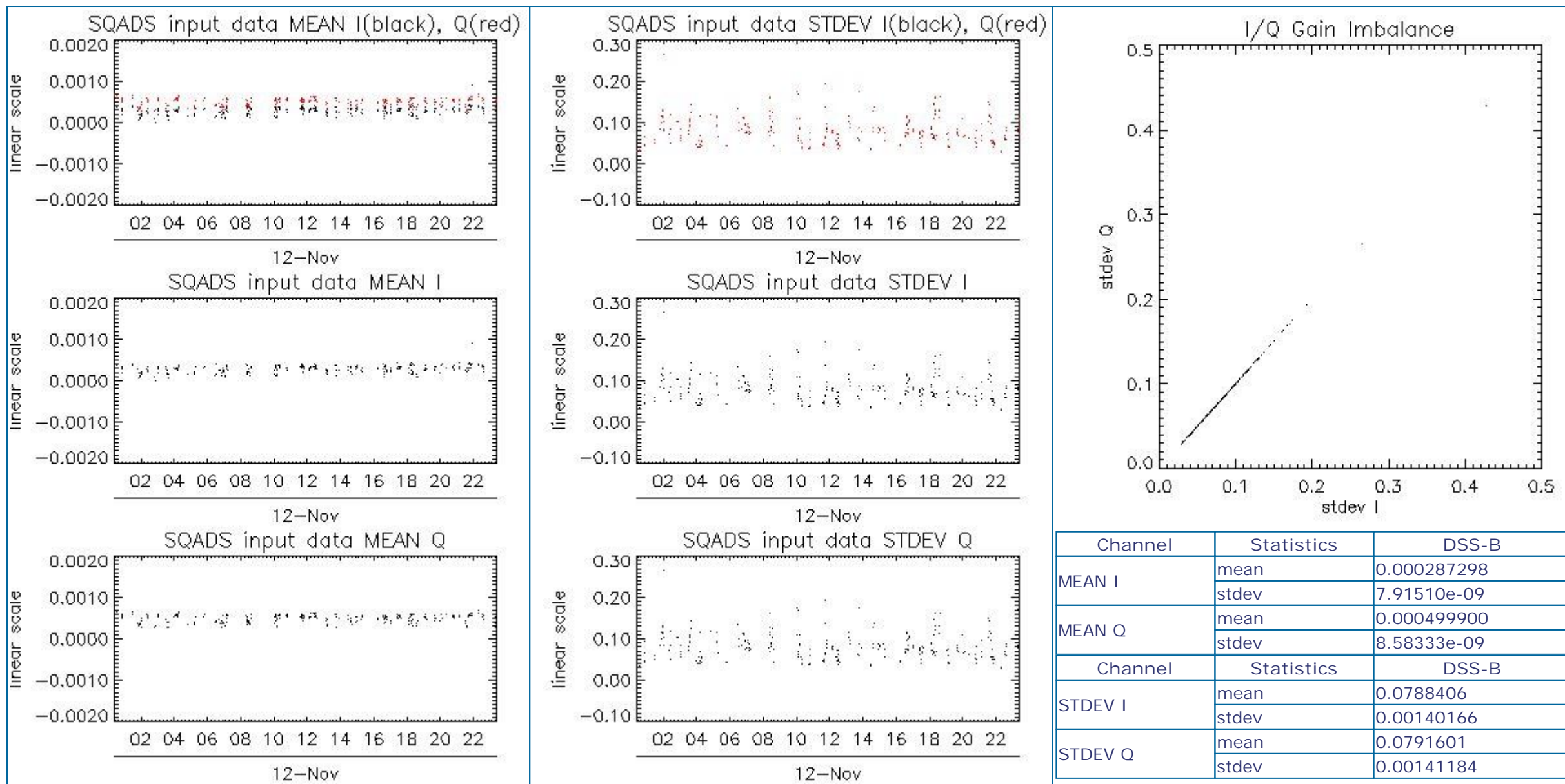


Channel	Statistics	DSS-B
MEAN I	mean	0.000547320
	stdev	1.74062e-07
MEAN Q	mean	0.000535165
	stdev	2.28388e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.136262
	stdev	0.00113531
STDEV Q	mean	0.136652
	stdev	0.00115062

## 7.2 - Analysis for IMM

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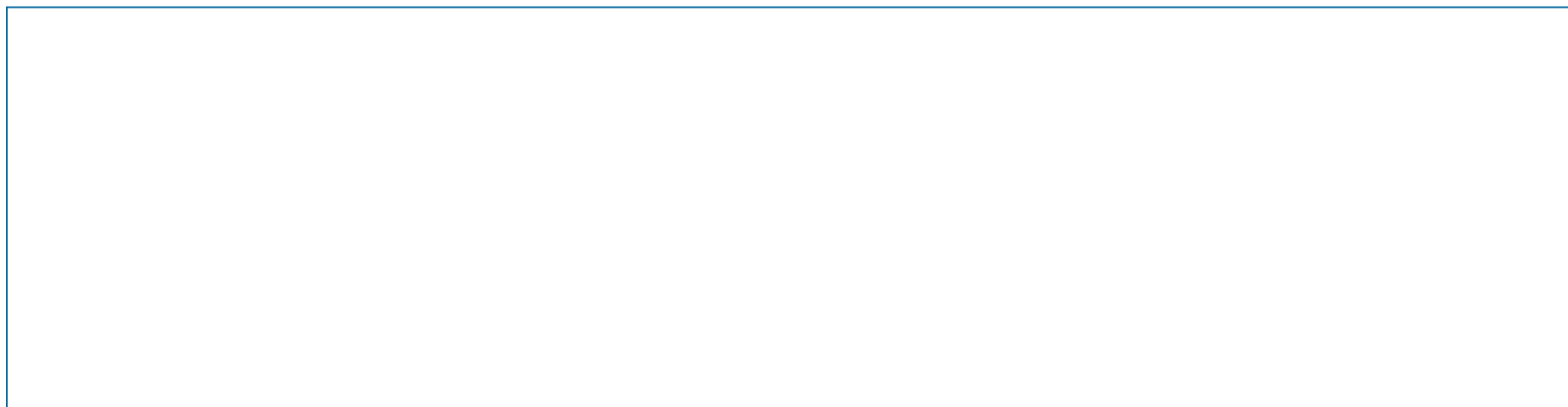


## 8 - TELEMETRY ANALYSIS

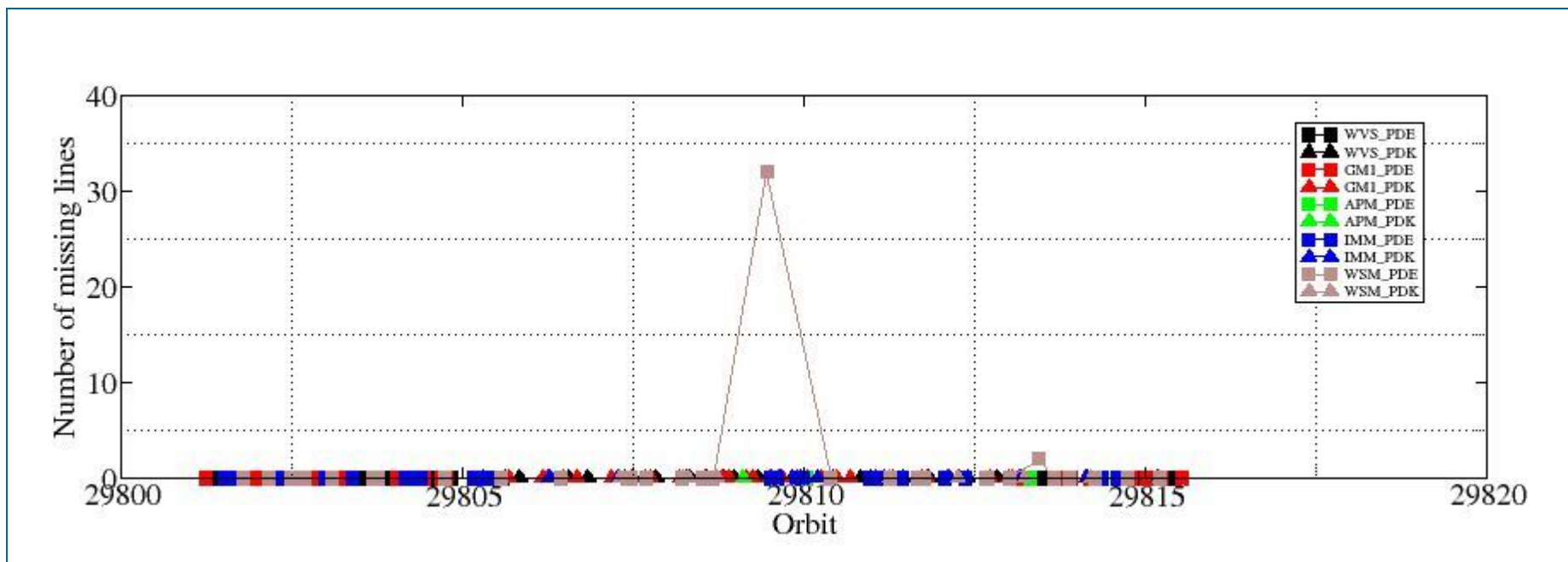
Processing Center	Product	Gaps	Missing lines
PDE	ASA_WSM_1PNPDE20071112_134228_000001462063_00196_29809_4392.N1	0	32
PDE	ASA_WSM_1PNPDE20071112_202257_000000672063_00200_29813_4562.N1	0	2

### 8.1 - Number of Missing lines

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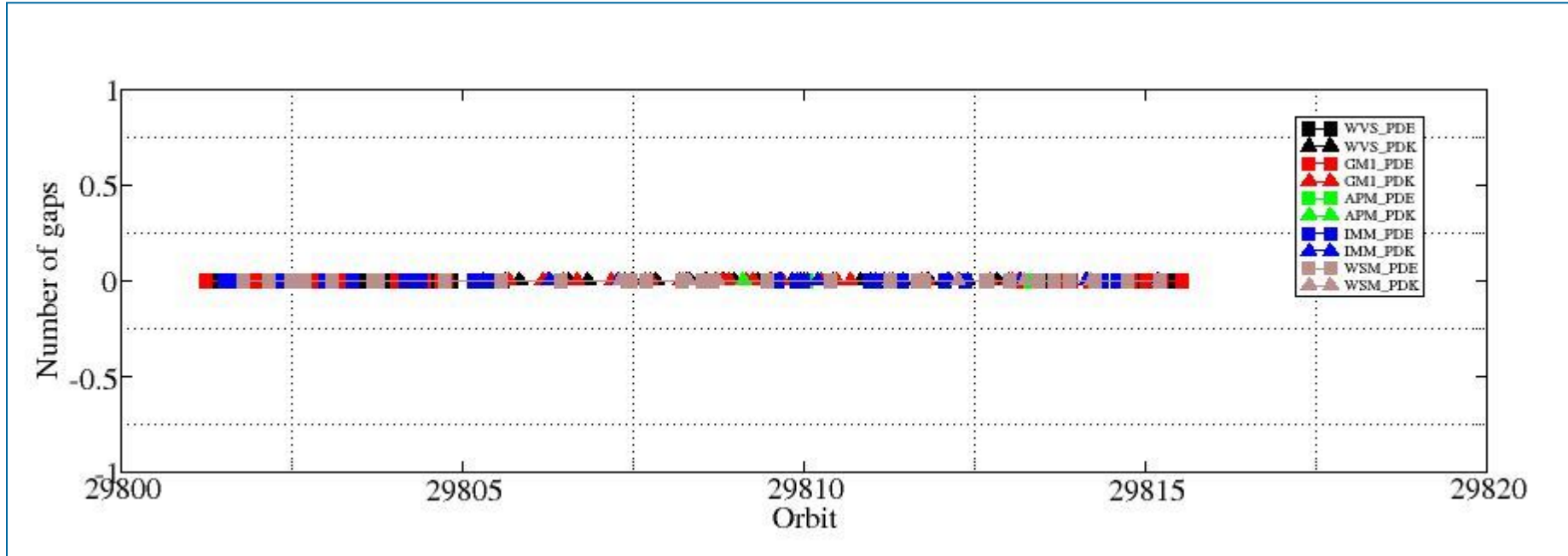






## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 071112  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: YESTERDAY

Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/071112/

DATA SUMMARY

#####  
Summary will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/071112/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/071112/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/071112/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS

#####  
Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/071112/AUXILIARY

Creating directory ./RESULTS/DAILY/071112/AUXILIARY...

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





Found list 20071112\_030001\_current\_3\_IECF\_ADFs.txt...  
Extracting ADFs...

ASA\_CON\_AXVIEC20070410\_140202\_20070204\_165113\_20071231\_000000  
ASA\_INS\_AXVIEC20070306\_164819\_20070307\_060000\_20071231\_000000  
ASA\_XCH\_AXVIEC20051219\_162547\_20020301\_000000\_20081231\_000000  
ASA\_XCA\_AXVIEC20070517\_153558\_20070204\_165113\_20071231\_000000

Writing file ./RESULTS/DAILY/071112/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
Writing file ./RESULTS/DAILY/071112/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*  
Analysing WVS products...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_WVS.xls...  
Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20071112_000716_000009592063_00188_29801_3408.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_003322_000002852063_00188_29801_3411.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_005452_000004192063_00188_29801_3421.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_010052_000002692063_00188_29801_3545.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_011144_000008392063_00188_29801_3556.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_015143_000000742063_00189_29802_3559.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_020309_000006142063_00189_29802_3566.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_021309_000003452063_00189_29802_3685.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_023537_000003152063_00189_29802_3692.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_025553_000002392063_00190_29803_3725.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_033941_000008692063_00190_29803_3733.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_035355_000000902063_00190_29803_3871.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_041819_000010942063_00190_29803_3884.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20071112_051807_000009742063_00191_29804_3928.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA\_WVS\_1PNPDK20071112\_192136\_000008692063\_00199\_29812\_8627.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_GM1.xls...

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ASA_GM1_1PNPDK20071112_191026_000006702063_00199_29812_8622.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20071112_195226_000001382063_00200_29813_8634.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_APM.txt...

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ASA_APM_1PNPDK20071112_130723_000002532063_00196_29809_8202.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing IMM products...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_IMM.xls...

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ASA_IMM_1PNPDE20071112_065042_00000802063_00192_29805_4127.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_065244_00000362063_00192_29805_4076.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_065336_000001272063_00192_29805_4207.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_070025_000001942063_00192_29805_4242.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_070811_00000652063_00192_29805_4223.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_134638_00000352063_00196_29809_4354.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_135652_00000342063_00196_29809_4356.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_142523_00000792063_00196_29809_4388.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_143554_00000372063_00196_29809_4358.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_161216_000001712063_00197_29810_4390.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_163410_00000802063_00198_29811_4560.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_165952_000001582063_00198_29811_4418.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_180440_000001402063_00199_29812_4420.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_183432_000001432063_00199_29812_4444.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_215450_00000362063_00201_29814_4706.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20071112_221748_00000732063_00201_29814_4715.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_064239_000001122063_00192_29805_7742.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_082100_00000812063_00193_29806_7797.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_082300_000005602063_00193_29806_7831.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_100208_000001522063_00194_29807_7924.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_101120_00000962063_00194_29807_7930.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

```
ASA_IMM_1PNPDK20071112_114211_000000812063_00195_29808_8059.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_145537_000003012063_00197_29810_8339.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_163508_000003692063_00198_29811_8486.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_181144_000005942063_00199_29812_8610.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_195607_00000512063_00200_29813_8702.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_213258_00000162063_00201_29814_8726.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_213330_00000352063_00201_29814_8728.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_213454_000000812063_00201_29814_8734.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20071112_231834_000000812063_00202_29815_8756.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

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Analysing WSM products...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/071112/AUXILIARY/Check\_ADFs\_WSM.txt...

```
ASA_WSM_1PNPDE20071112_004938_000002632063_00188_29801_3553.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_012804_000001762063_00189_29802_3649.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_020024_000001222063_00189_29802_3668.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_022153_000002612063_00189_29802_3687.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_030036_000002022063_00190_29803_3838.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_030036_000002022063_00190_29803_4036.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_040029_000000852063_00190_29803_3834.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_040750_000005812063_00190_29803_4209.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_040750_000005812063_00190_29803_4244.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_054705_000001032063_00191_29804_4082.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_070942_000001772063_00192_29805_4246.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_083830_000001282063_00193_29806_4255.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_101717_000001282063_00194_29807_4273.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_101717_000002672063_00194_29807_4316.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_102020_000000842063_00194_29807_4274.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_104453_000003422063_00194_29807_4310.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_113605_000000852063_00195_29808_4314.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_113741_000000852063_00195_29808_4312.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_120714_000002692063_00195_29808_4338.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_122240_000001842063_00195_29808_4336.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_134228_000001462063_00196_29809_4392.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_151600_000002262063_00197_29810_4394.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_164445_000000672063_00198_29811_4396.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_172317_000003242063_00198_29811_4436.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_173338_000002312063_00198_29811_4434.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_190352_000001282063_00199_29812_4460.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_190352_000003852063_00199_29812_4558.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_190656_000002012063_00199_29812_4461.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_193911_000002192063_00200_29813_4614.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_202257_000000672063_00200_29813_4562.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_204428_000003242063_00200_29813_4616.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_210705_000002072063_00200_29813_4603.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_214620_000004282063_00201_29814_4849.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_223158_000000672063_00201_29814_4717.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_223158_000003482063_00201_29814_4860.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_223406_000002202063_00201_29814_4749.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20071112_232159_000001032063_00202_29815_4854.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_100522_000003612063_00194_29807_7960.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_113837_000002072063_00195_29808_8071.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_114441_000002692063_00195_29808_8083.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_122729_000003062063_00195_29808_8213.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_122729_000004032063_00195_29808_8241.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_164252_000001592063_00198_29811_8488.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_182221_000001282063_00199_29812_8612.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_200136_000001282063_00200_29813_8711.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_213959_000002312063_00201_29814_8744.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20071112_232018_000001522063_00202_29815_8758.N1  ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```



#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/071112/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/071112/MODULE\_STEPPING...  
Creating directory ./RESULTS/DAILY/071112/MODULE\_STEPPING/FIRST\_REFERENCE...  
Creating directory ./RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE...  
Creating directory ./RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...  
Deleting old files...

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\*\*\*\*\*  
Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_0PNPDK20050922\_062651\_000000152041\_00034\_18625\_0041.N1  
Test product: ASA\_MS\_0PNPDK20071111\_061219\_000000162063\_00177\_29790\_0415.N1  
H  
H  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20071111\_061219-20050922\_062651.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20071111\_061219-20050922\_062651.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20071111\_061219-20050922\_062651.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20071111\_061219-20050922\_062651.png

Polarization: V  
Reference product: ASA\_MS\_0PNPDK20050923\_055514\_000000152041\_00048\_18639\_0042.N1  
Test product: ASA\_MS\_0PNPDE20071112\_054042\_000000162063\_00191\_29804\_0231.N1  
V  
V  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20071112\_054042-20050923\_055514.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20071112\_054042-20050923\_055514.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20071112\_054042-20050923\_055514.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20071112\_054042-20050923\_055514.png

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\*\*\*\*\*  
Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_0PNPDK20071109\_071534\_000000162063\_00149\_29762\_0413.N1  
Test product: ASA\_MS\_0PNPDK20071111\_061219\_000000162063\_00177\_29790\_0415.N1  
H  
H  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20071111\_061219-20071109\_071534.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20071111\_061219-20071109\_071534.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20071111\_061219-20071109\_071534.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20071111\_061219-20071109\_071534.png

Polarization: V  
Reference product: ASA\_MS\_0PNPDK20071110\_064357\_000000162063\_00163\_29776\_0414.N1  
Test product: ASA\_MS\_0PNPDE20071112\_054042\_000000162063\_00191\_29804\_0231.N1  
V  
V  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20071112\_054042-20071110\_064357.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20071112\_054042-20071110\_064357.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20071112\_054042-20071110\_064357.png  
../../RESULTS/DAILY/071112/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20071112\_054042-20071110\_064357.png

MODULE STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/071112/CALIBRATION\_PULSES...

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ALL ROWS Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2007-11-12\_1.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2007-11-12\_2.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2007-11-12\_3.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

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

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2007-11-12\_4.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...

Writing ../../RESULTS/DAILY/071112//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 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2007-11-12\_1.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2007-11-12\_2.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2007-11-12\_3.dat...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...

Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...



Getting calibration pulses data for GM1 SS3 H/H from 2007-11-12 00:00:00 to 2007-11-12 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/071112/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2007-11-12\_4.dat...  
Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/071112//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/071112/DOPPLER...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER ANX Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing products WVS IS2 V/V  
Getting doppler data for WVS IS2 V/V from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2007-11-12.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/071112/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H  
Getting doppler data for GM1 SS1 H/H from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2007-11-12.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/071112/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER JUMPS Analysis will be performed on WSM products from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/DOPPLER/Doppler\_Jumps\_data\_WSM\_2007-11-12.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/071112/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/071112/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing products WVS IS2 V/V  
Loading predicted doppler values....  
Phase: descending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -28.927860 Hz  
Writing file ../../RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...  
Writing file ../../RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*  
Loading predicted doppler values....  
Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -26.523699 Hz  
Writing file ../../RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../.././RESULTS/DAILY/071112//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 = -26.113572 Hz  
Writing file ../.././RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...  
Writing file ../.././RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values...  
Phase: ascending  
Found data...

Computing mean error doppler estimated-predicted...  
Mean error = -30.542709 Hz  
Writing file ../.././RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...  
Writing file ../.././RESULTS/DAILY/071112//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed

#####

CHIRP ANALYSIS

#####

Creating directory ./RESULTS/DAILY/071112/CHIRP...

\*\*\*\*\*

\*\*\*\*\*

CHIRP Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59

Analysing products WSM SS1 H/H

\*\*\*\*\*

Getting ScaleFactor data for WSM SS1 H/H from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...

Writing file ./RESULTS/DAILY/071112/CHIRP/ScaleFactor\_data\_WSM\_SS1\_HH\_2007-11-12.dat...

Running IDL program...

Writing file ../.././RESULTS/DAILY/071112/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_HH.png...

Writing file ../.././RESULTS/DAILY/071112/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_HH.png...

Analysing products WSM SS1 V/V

\*\*\*\*\*

Getting ScaleFactor data for WSM SS1 V/V from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...

Writing file ./RESULTS/DAILY/071112/CHIRP/ScaleFactor\_data\_WSM\_SS1\_VV\_2007-11-12.dat...

Running IDL program...

Writing file ../.././RESULTS/DAILY/071112/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_VV.png...

Writing file ../.././RESULTS/DAILY/071112/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_VV.png...

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

#####

Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59



Results will be exported to the directory: ./RESULTS/DAILY/071112/RAW\_DATA

Creating directory ./RESULTS/DAILY/071112/RAW\_DATA...

\*\*\*\*\*  
Getting raw data for WVS from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_WVS\_2007-11-12.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

\*\*\*\*\*  
Getting raw data for IMM from 2007-11-12 00:00:00 to 2007-11-12 23:59:59...  
Writing file ./RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_IMM\_2007-11-12.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/071112/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed  
#####

TELEMETRY ANALYSIS  
#####  
Analysis will be performed from 2007-11-12 00:00:00 to 2007-11-12 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/071112/TELEMETRY

Creating directory ./RESULTS/DAILY/071112/TELEMETRY...

Looking for gaps and missing lines in WVS products...  
\*\*\*\*\*  
Checking 27 products from PDE...  
Checking 23 products from PDK...

Looking for gaps and missing lines in GM1 products...  
\*\*\*\*\*  
Checking 37 products from PDE...  
Checking 36 products from PDK...

Looking for gaps and missing lines in APM products...  
\*\*\*\*\*  
Checking 4 products from PDE...  
Checking 1 products from PDK...

Looking for gaps and missing lines in IMM products...  
\*\*\*\*\*  
Checking 26 products from PDE...  
Checking 14 products from PDK...

Looking for gaps and missing lines in WSM products...  
\*\*\*\*\*  
Checking 37 products from PDE...  
Found product...ASA\_WSM\_1PNPDE20071112\_134228\_000001462063\_00196\_29809\_4392.N1 / 0 gaps / 32 missing lines  
Found product...ASA\_WSM\_1PNPDE20071112\_202257\_00000672063\_00200\_29813\_4562.N1 / 0 gaps / 2 missing lines  
Checking 10 products from PDK...

Creating graph of missing lines and gaps...  
\*\*\*\*\*  
Creating image: ./RESULTS/DAILY/071112/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/071112/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed

#####

BROWSE PRODUCTS ANALYSIS

#####

Analysis will be performed on 2007-11-12

\*\*\*\*\*

Scanning directory /nas3/ENVISAT/ASAR//ASA\_GM\_BP...

Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_GM\_BP/JPG/20071112/

ANALYSIS COMPLETED: 0 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/20071112/

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/20071112/

ANALYSIS COMPLETED: 0 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/20071112/

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

\*\*\*\*\*

BROWSE PRODUCTS ANALYSIS completed

#####

HTML REPORT generation

#####

Building file ./RESULTS/DAILY/071112/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



Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
ASA_APM_1PNPDE20071112_015453_000000422063_00189_29802_3631.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20071112_143640_000000412063_00196_29809_4372.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20071112_144112_000000562063_00197_29810_4370.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20071112_200929_000000422063_00200_29813_4564.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20071112_130723_000002532063_00196_29809_8202.N1	OK	OK	OK	OK



Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_GM1_1PNPDE20071112_002619_000002892063_00188_29801_3413.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_003902_000006282063_00188_29801_3423.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_010606_000003382063_00188_29801_3549.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_012633_000000782063_00189_29802_3547.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_013111_000010752063_00189_29802_3629.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_015345_000000662063_00189_29802_3573.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_021938_000001262063_00189_29802_3682.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_022626_000005492063_00189_29802_3689.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_024137_000004952063_00189_29802_3694.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_025126_000002652063_00189_29802_3696.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_030411_000005492063_00190_29803_3698.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_031417_000010082063_00190_29803_3789.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_040202_000003382063_00190_29803_3873.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_043727_000006882063_00191_29804_3875.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_045004_000012452063_00191_29804_3972.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_051612_000001142063_00191_29804_3925.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_054206_000002892063_00191_29804_4071.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_054900_000004652063_00191_29804_4078.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_063125_000006702063_00192_29805_4080.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_064446_000003562063_00192_29805_4086.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_065559_000002652063_00192_29805_4084.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_070357_000002532063_00192_29805_4117.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_195328_000001572063_00200_29813_4464.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_195715_000002532063_00200_29813_4466.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_200406_000003202063_00200_29813_4468.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_201037_000000962063_00200_29813_4473.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_205002_000007252063_00200_29813_4486.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_211040_000011052063_00200_29813_4704.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_212604_000001812063_00200_29813_4607.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_213723_000001442063_00201_29814_4609.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_214401_000001262063_00201_29814_4621.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_222649_000002952063_00201_29814_4623.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_223800_000002832063_00201_29814_4631.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_230134_000003022063_00202_29815_4758.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_232355_000007002063_00202_29815_4763.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20071112_235419_000003922063_00202_29815_4768.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_072122_000009612063_00192_29805_7795.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_081047_000005982063_00193_29806_7751.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_081944_000000782063_00193_29806_7833.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_084057_000005432063_00193_29806_7835.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_090202_000009242063_00193_29806_7840.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_095227_000005792063_00194_29807_7847.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_102155_000001442063_00194_29807_7962.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_104238_000001262063_00194_29807_7964.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_105048_000004652063_00194_29807_7969.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_113221_000002112063_00195_29808_7976.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_121152_000000662063_00195_29808_8088.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_122603_000000782063_00195_29808_8090.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_123424_000002832063_00195_29808_8092.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_124532_000004652063_00195_29808_8100.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_131202_000006462063_00196_29809_8110.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_132143_000004892063_00196_29809_8221.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_134502_000000962063_00196_29809_8223.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_134731_000005612063_00196_29809_8225.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_135744_000002232063_00196_29809_8230.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_140350_000009242063_00196_29809_8249.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_142710_000002412063_00196_29809_8259.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_144255_000007612063_00197_29810_8267.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_150059_000007912063_00197_29810_8357.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_152313_000000902063_00197_29810_8362.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_154426_000009242063_00197_29810_8376.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_162237_000006942063_00198_29811_8383.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_164134_000000662063_00198_29811_8490.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_164617_000008152063_00198_29811_8492.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20071112_172851_000002772063_00198_29811_8494.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_173742_000001992063_00198_29811_8499.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_180718_000002652063_00199_29812_8506.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_182436_000005982063_00199_29812_8615.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_191026_000006702063_00199_29812_8622.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_193701_000001202063_00199_29812_8620.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_194302_000002232063_00200_29813_8624.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20071112_195226_000001382063_00200_29813_8634.N1	OK	OK	OK	OK



Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_IMM_1PNPDE20071112_002352_000000792063_00188_29801_3538.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_003125_000001092063_00188_29801_3540.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_014908_000001482063_00189_29802_3653.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_015705_000000982063_00189_29802_3651.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_020226_000000362063_00189_29802_3643.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_024953_000000742063_00189_29802_3680.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_033106_000005092063_00190_29803_3868.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_044857_000000492063_00191_29804_3974.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_051049_000003062063_00191_29804_4024.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_062903_000001252063_00192_29805_4125.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_065042_000000802063_00192_29805_4127.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_065244_000000362063_00192_29805_4076.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_065336_000001272063_00192_29805_4207.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_070025_000001942063_00192_29805_4242.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_070811_000000652063_00192_29805_4223.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_134638_000000352063_00196_29809_4354.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_135652_000000342063_00196_29809_4356.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_142523_000000792063_00196_29809_4388.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_143554_000000372063_00196_29809_4358.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_161216_000001712063_00197_29810_4390.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_163410_000000802063_00198_29811_4560.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_165952_000001582063_00198_29811_4418.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_180440_000001402063_00199_29812_4420.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_183432_000001432063_00199_29812_4444.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_215450_000000362063_00201_29814_4706.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20071112_221748_000000732063_00201_29814_4715.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_064239_000001122063_00192_29805_7742.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_082100_000000812063_00193_29806_7797.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_082300_000005602063_00193_29806_7831.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_100208_000001522063_00194_29807_7924.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_101120_000000962063_00194_29807_7930.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_114211_000000812063_00195_29808_8059.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_145537_000003012063_00197_29810_8339.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_163508_000003692063_00198_29811_8486.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20071112_181144_000005942063_00199_29812_8610.N1					OK	OK	OK	OK
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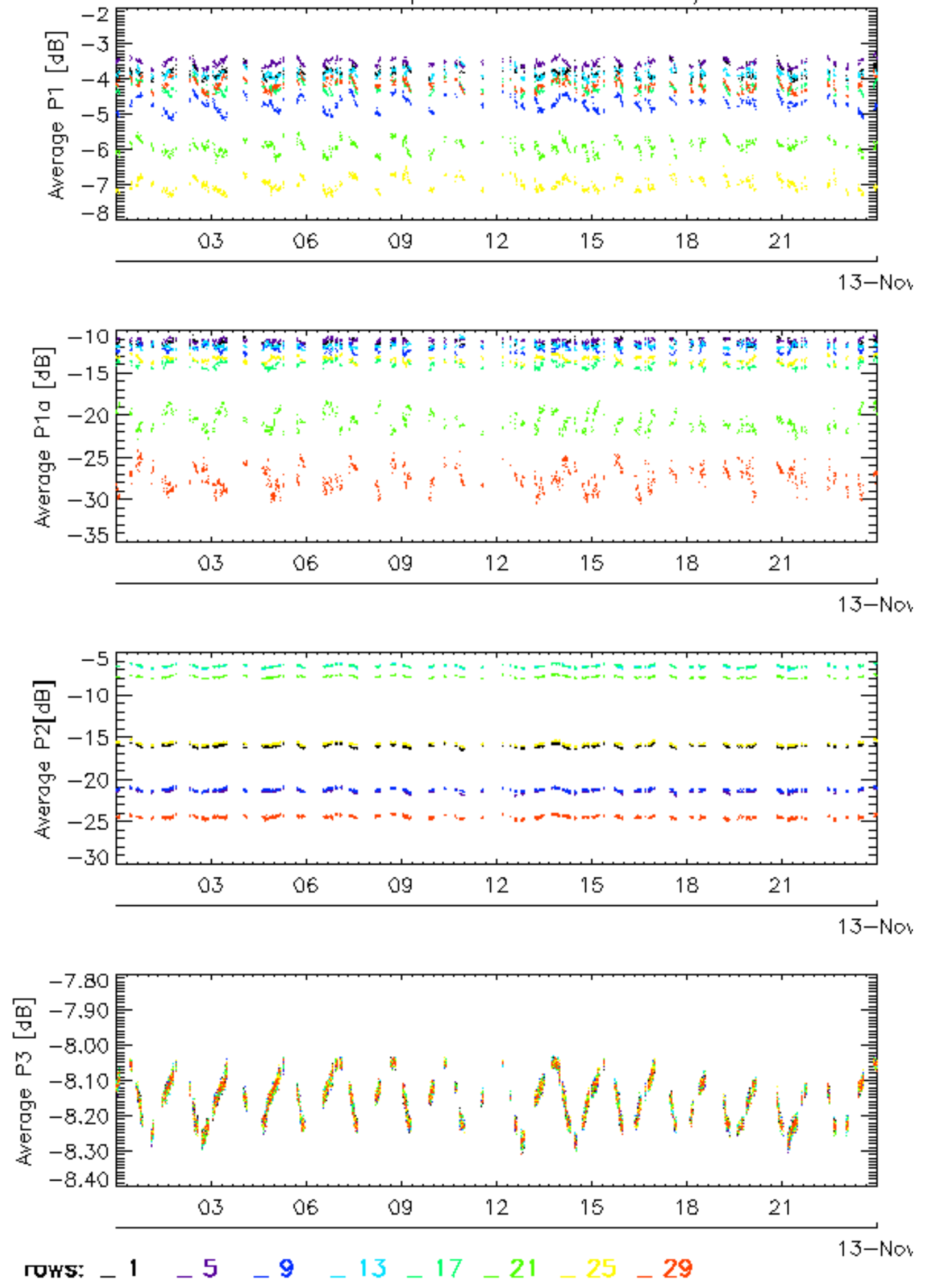
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Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

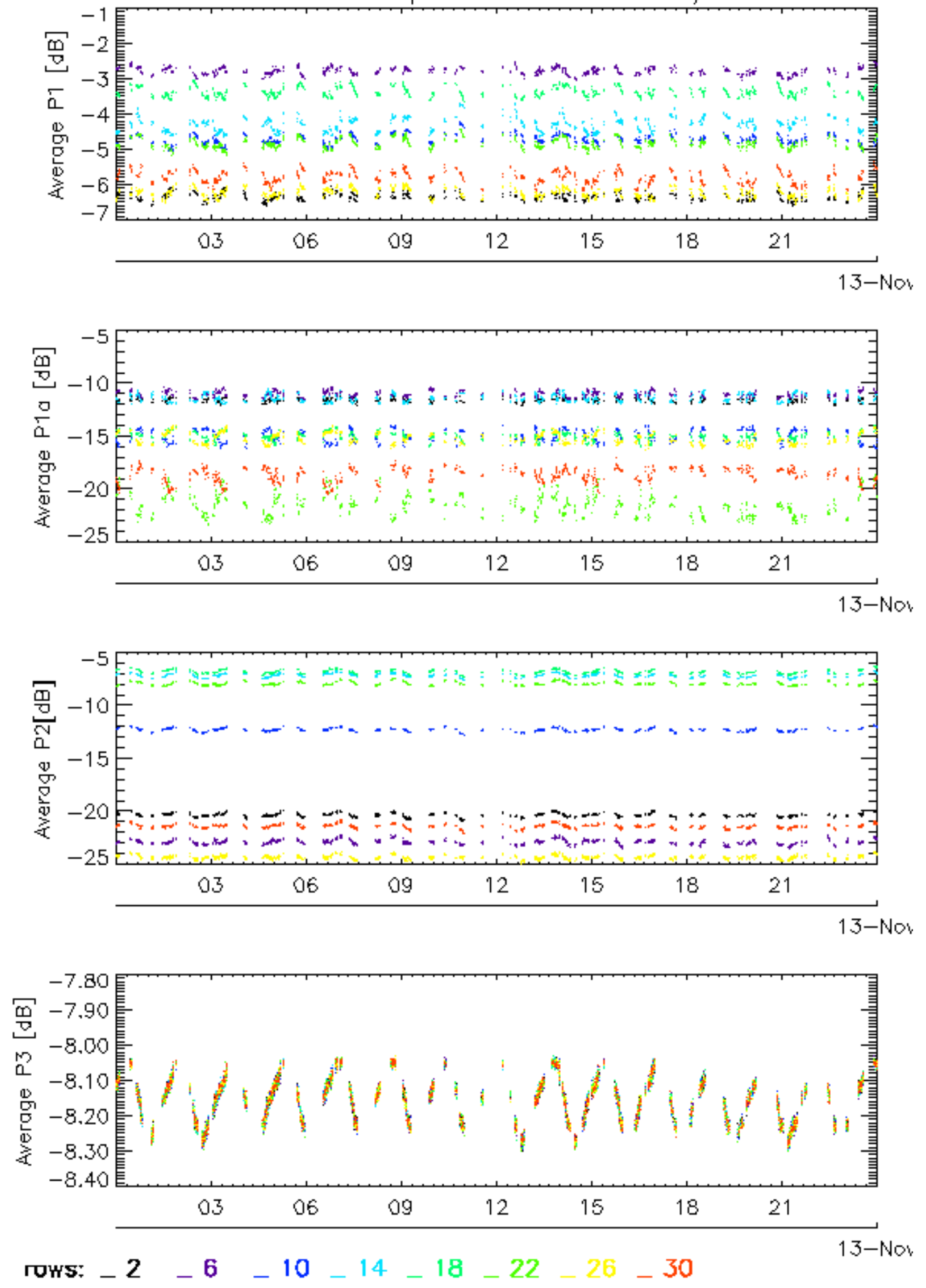
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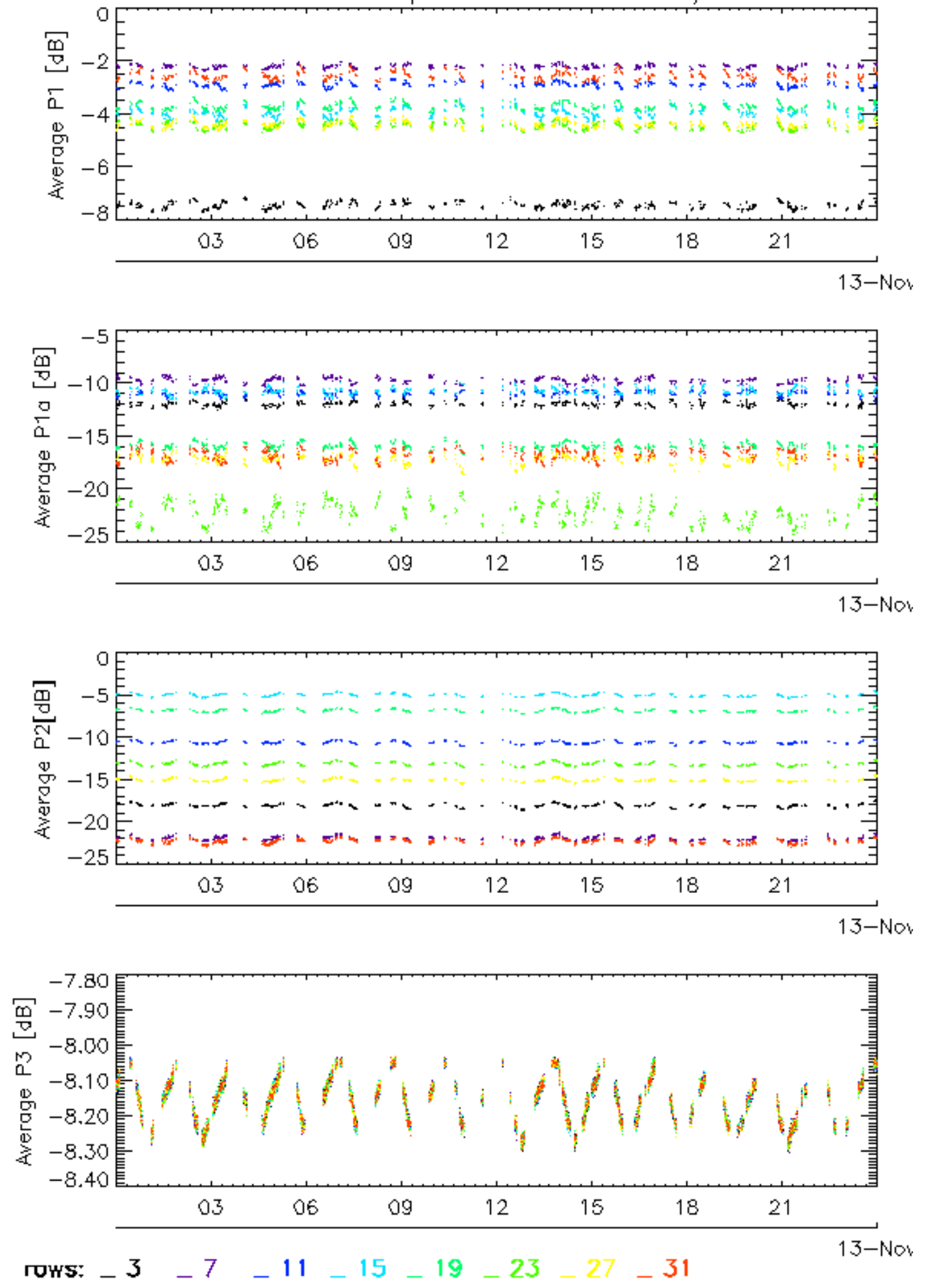
Calibration pulses for GM1 SS3 H/H



### Calibration pulses for GM1 SS3 H/H

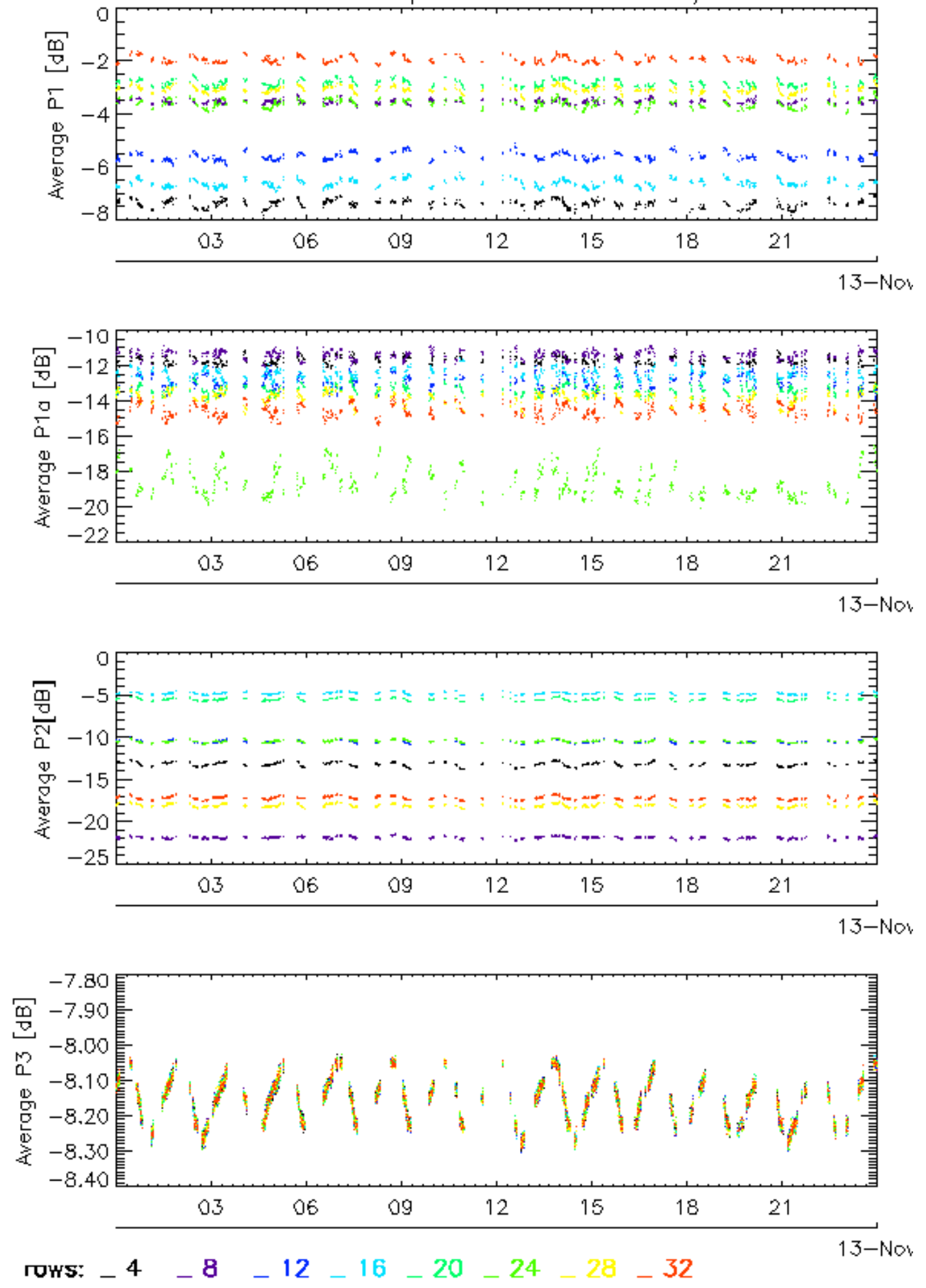


Calibration pulses for GM1 SS3 H/H

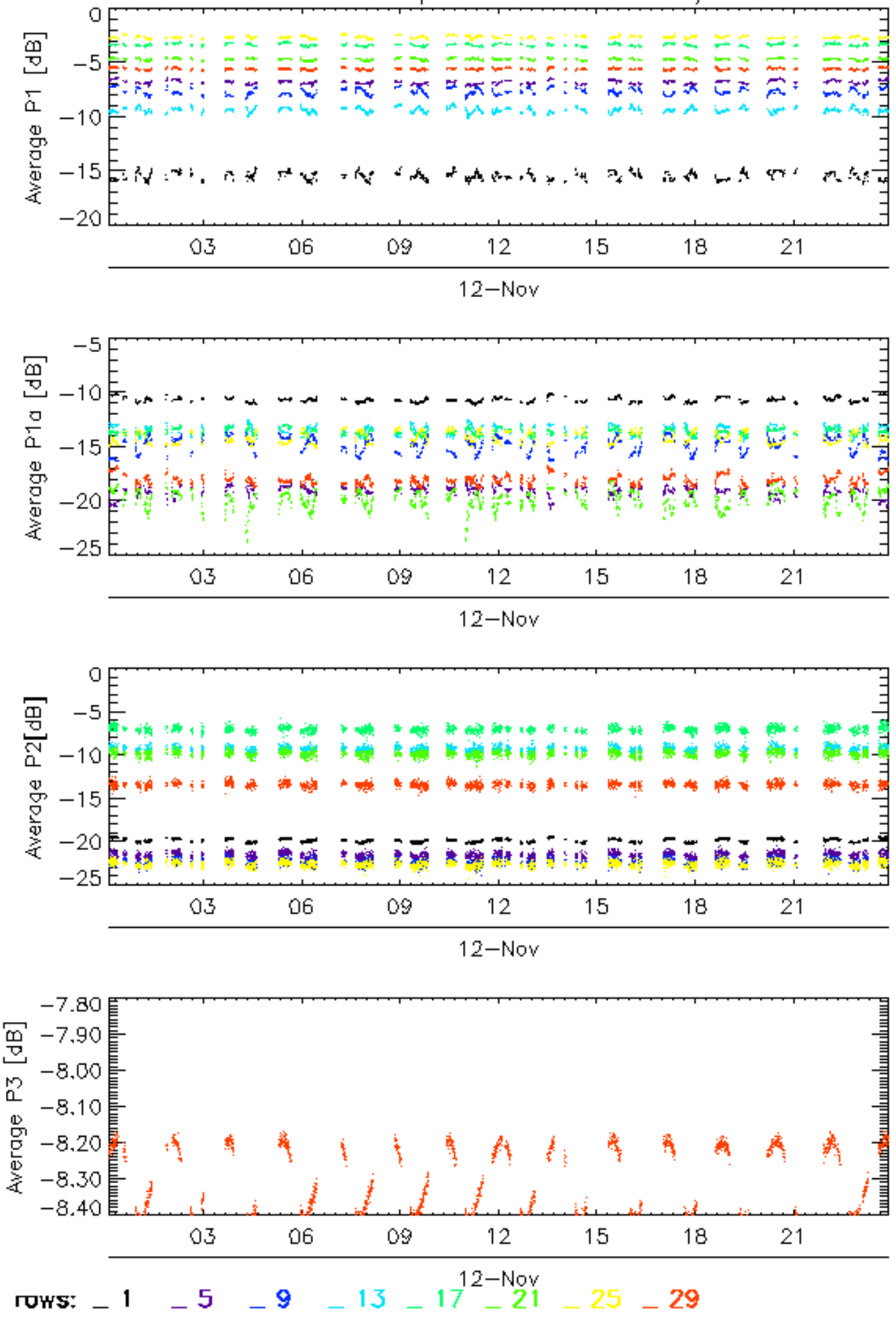




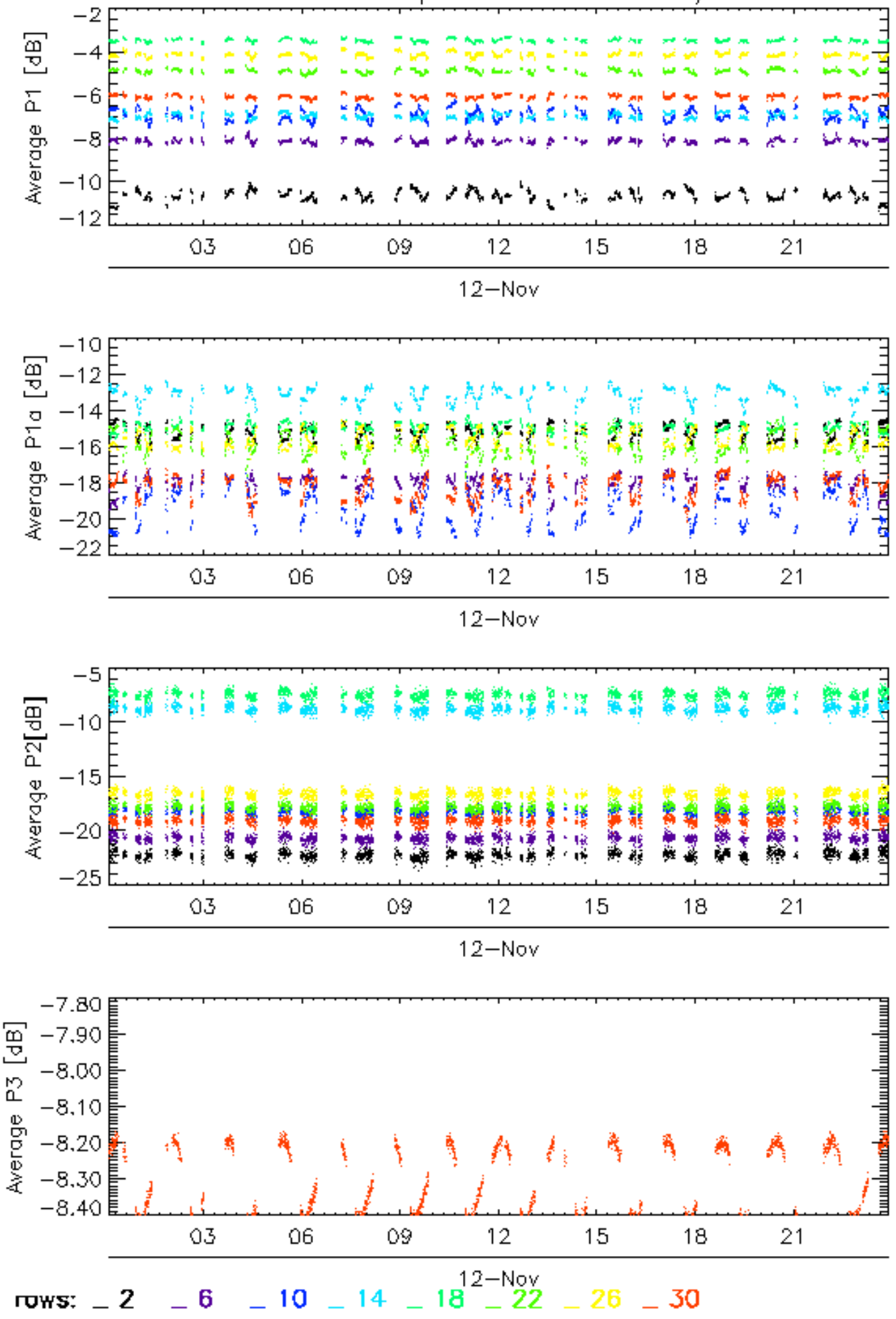
### Calibration pulses for GM1 SS3 H/H



Calibration pulses for WVS IS2 V/V

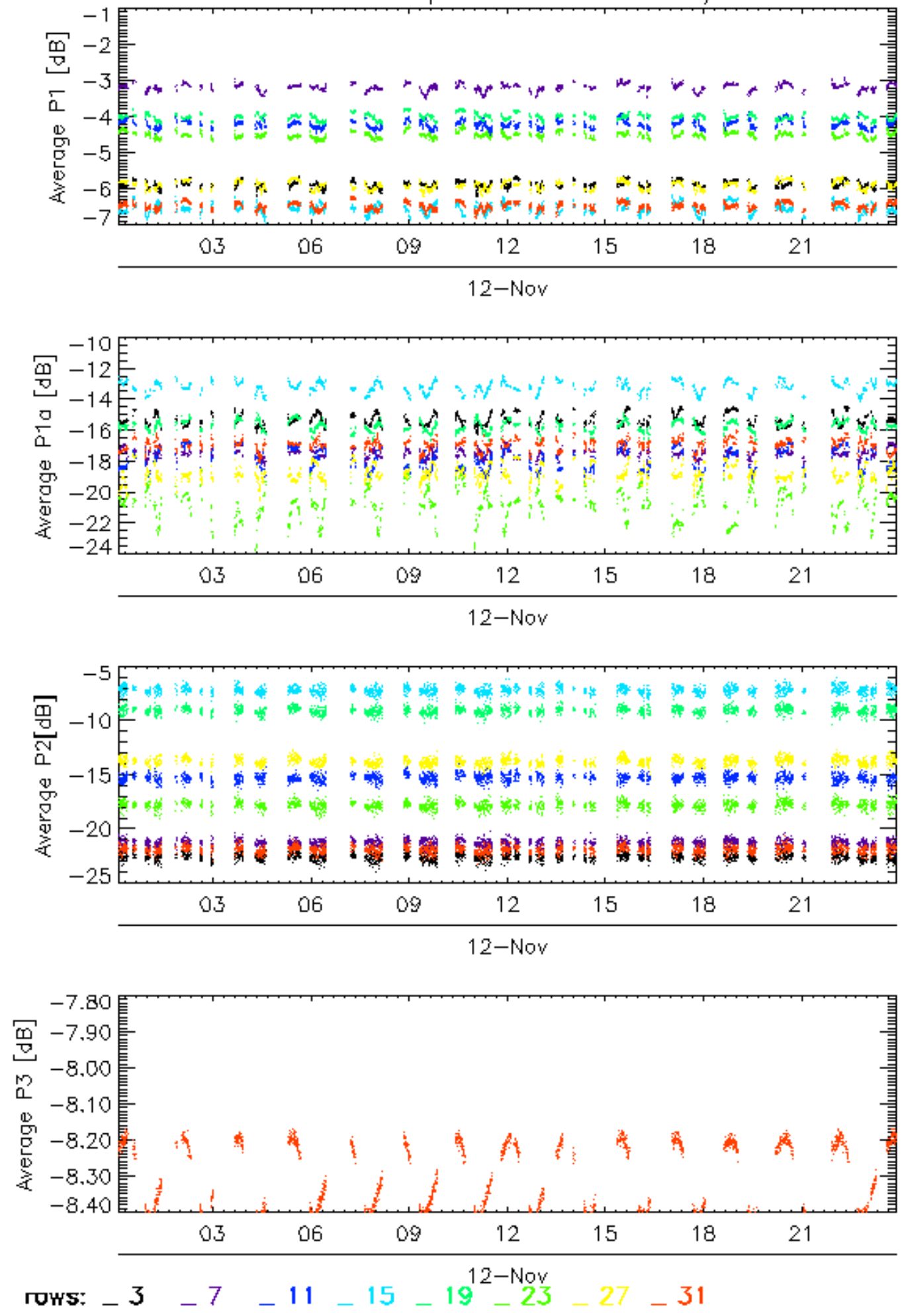


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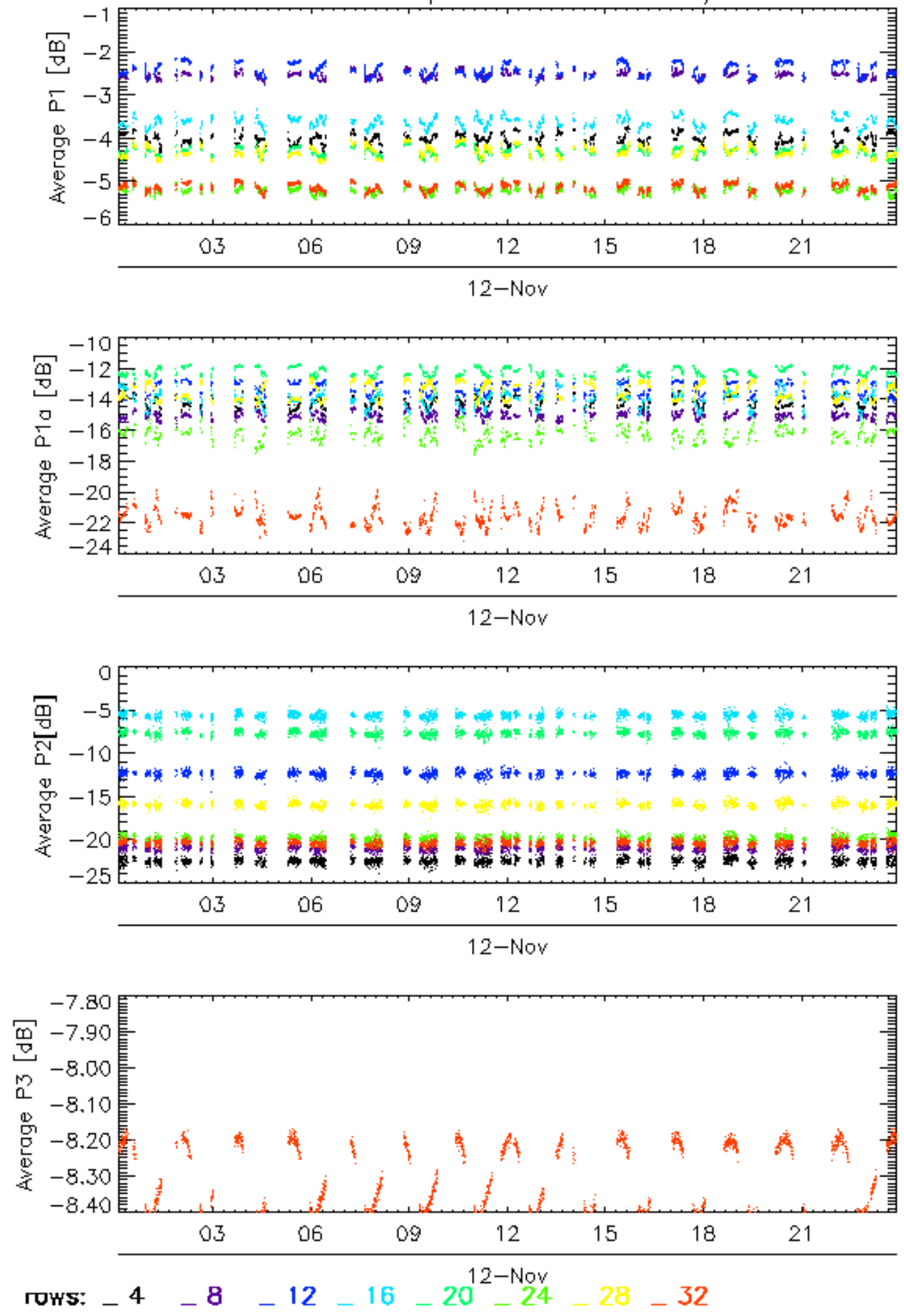


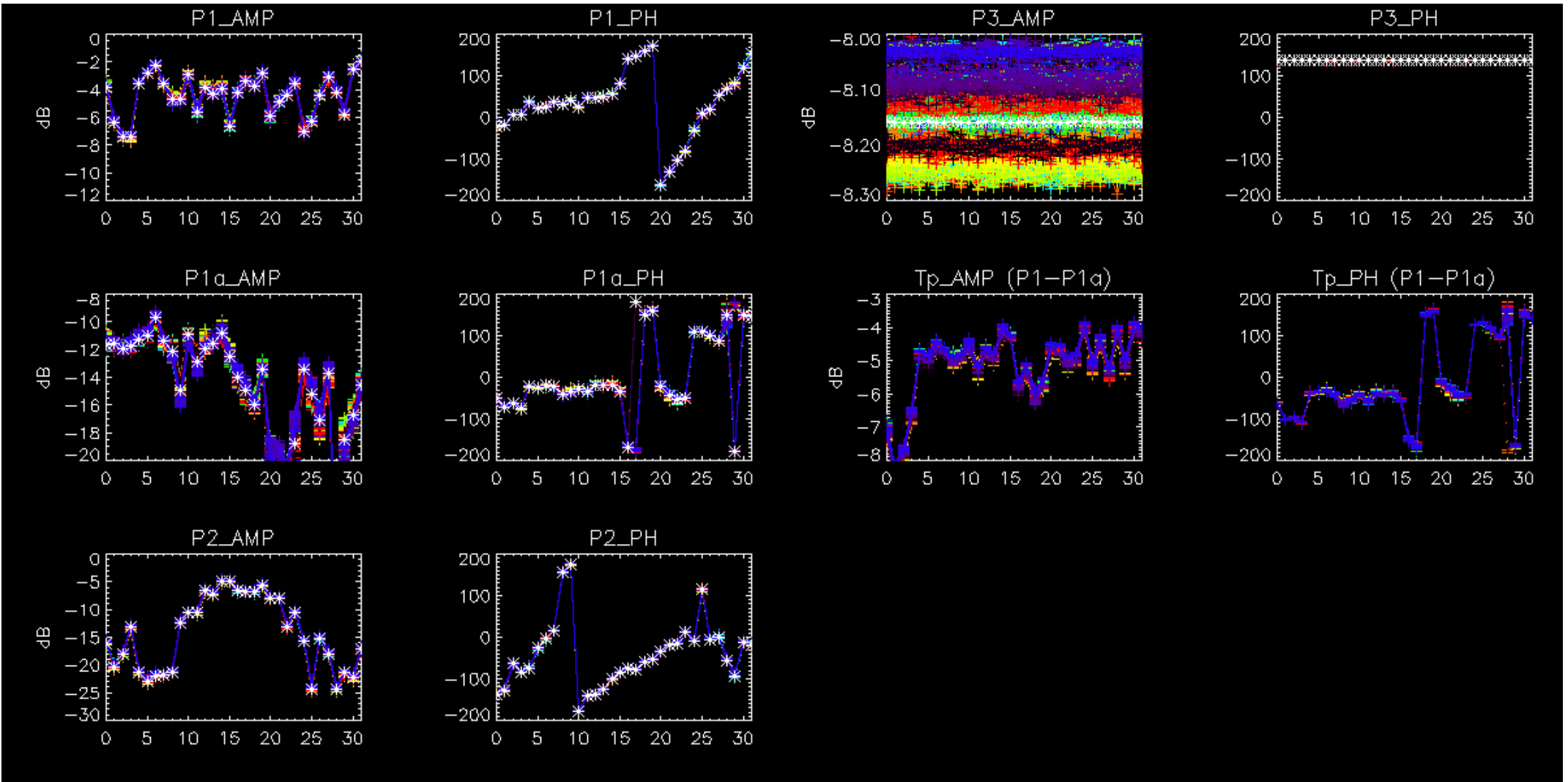


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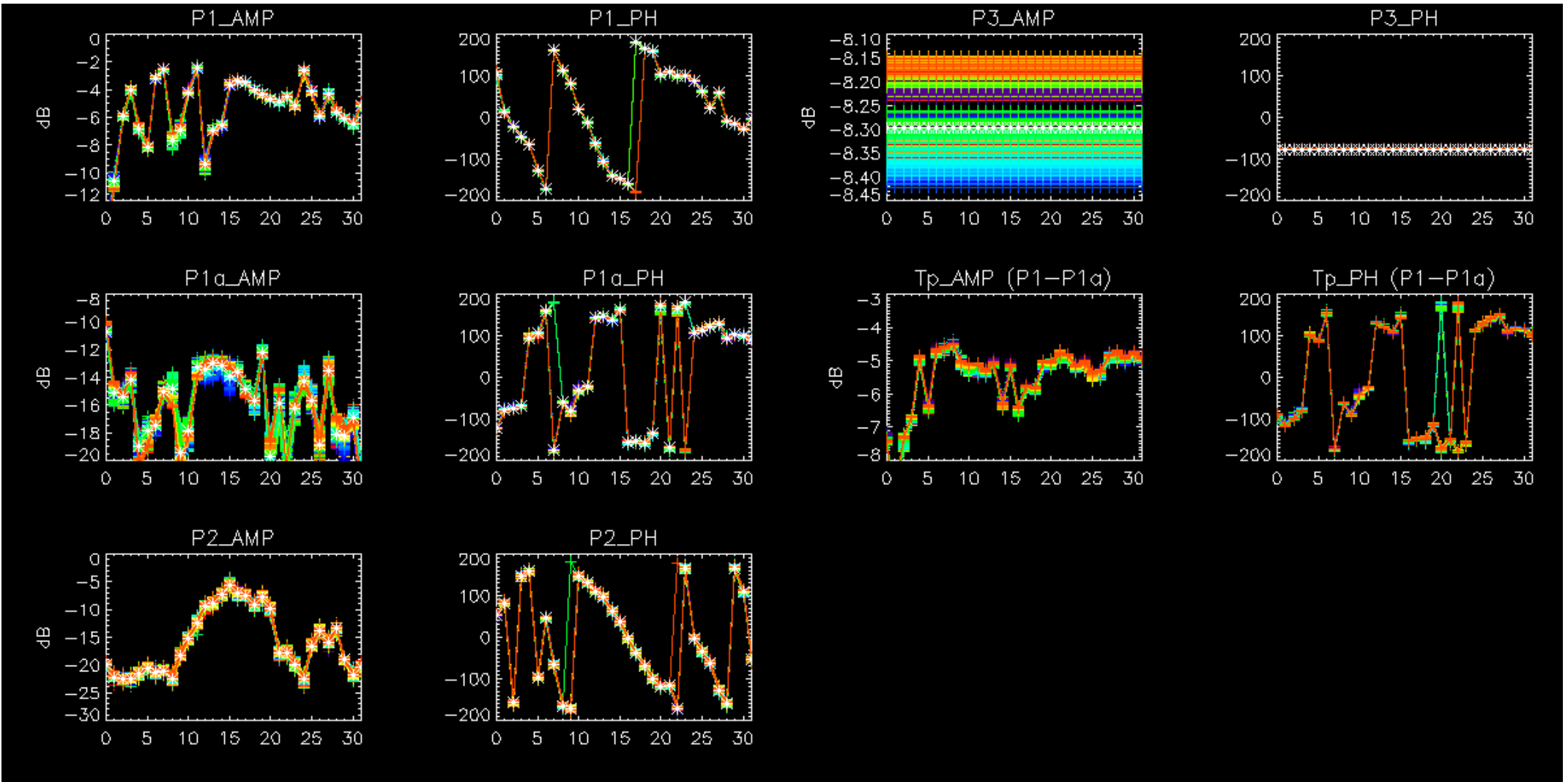


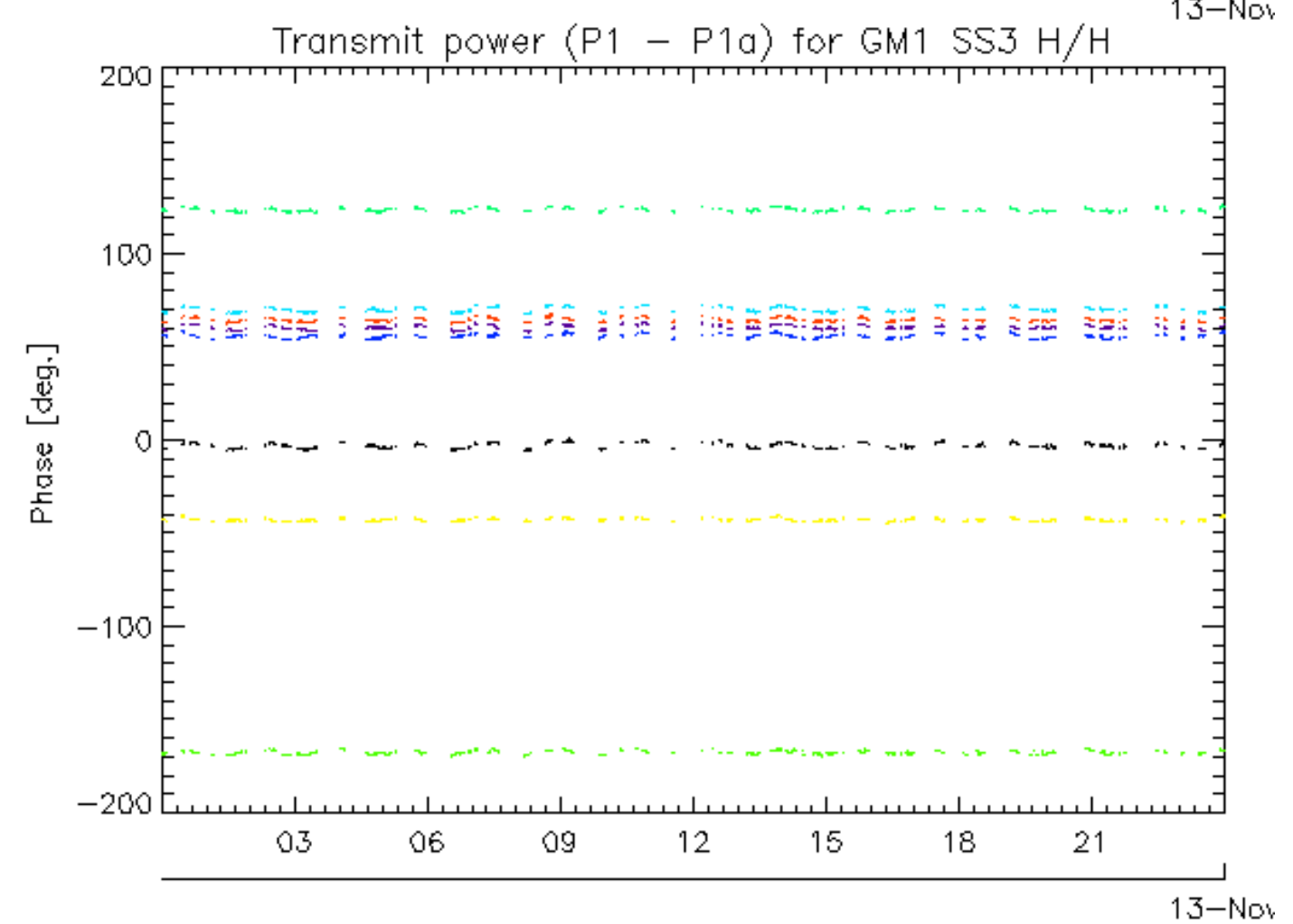
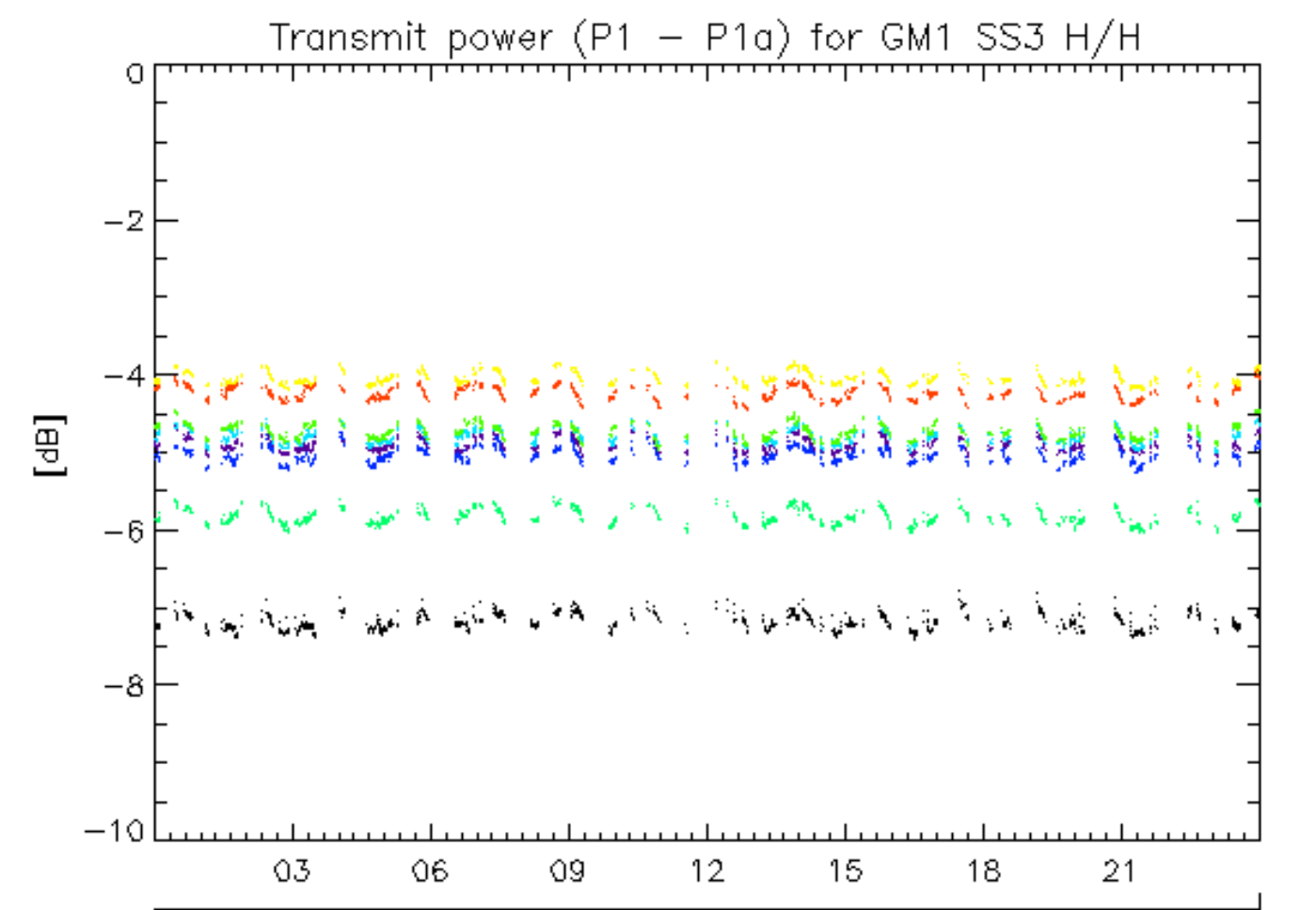
### Calibration pulses for WVS IS2 V/V



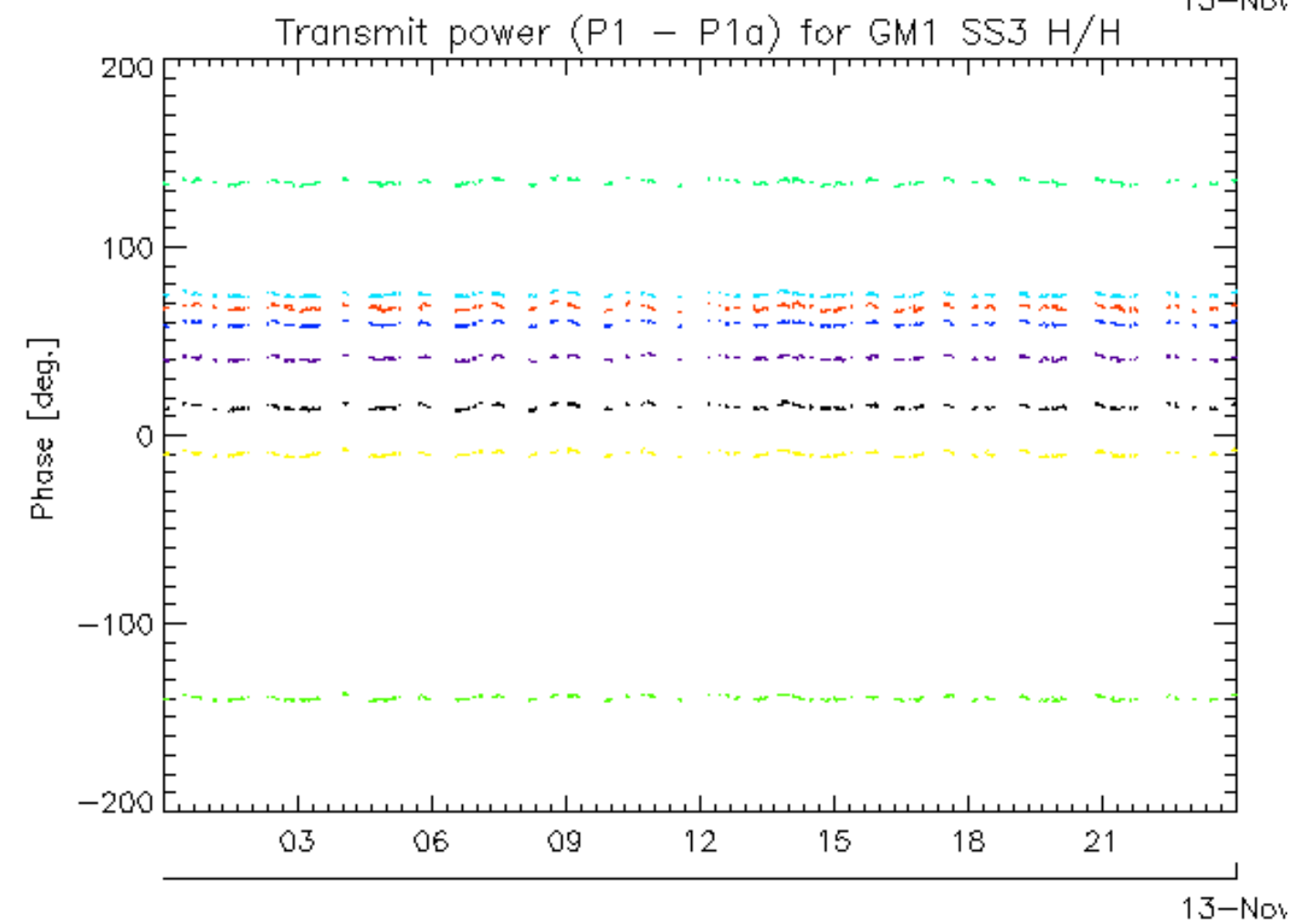
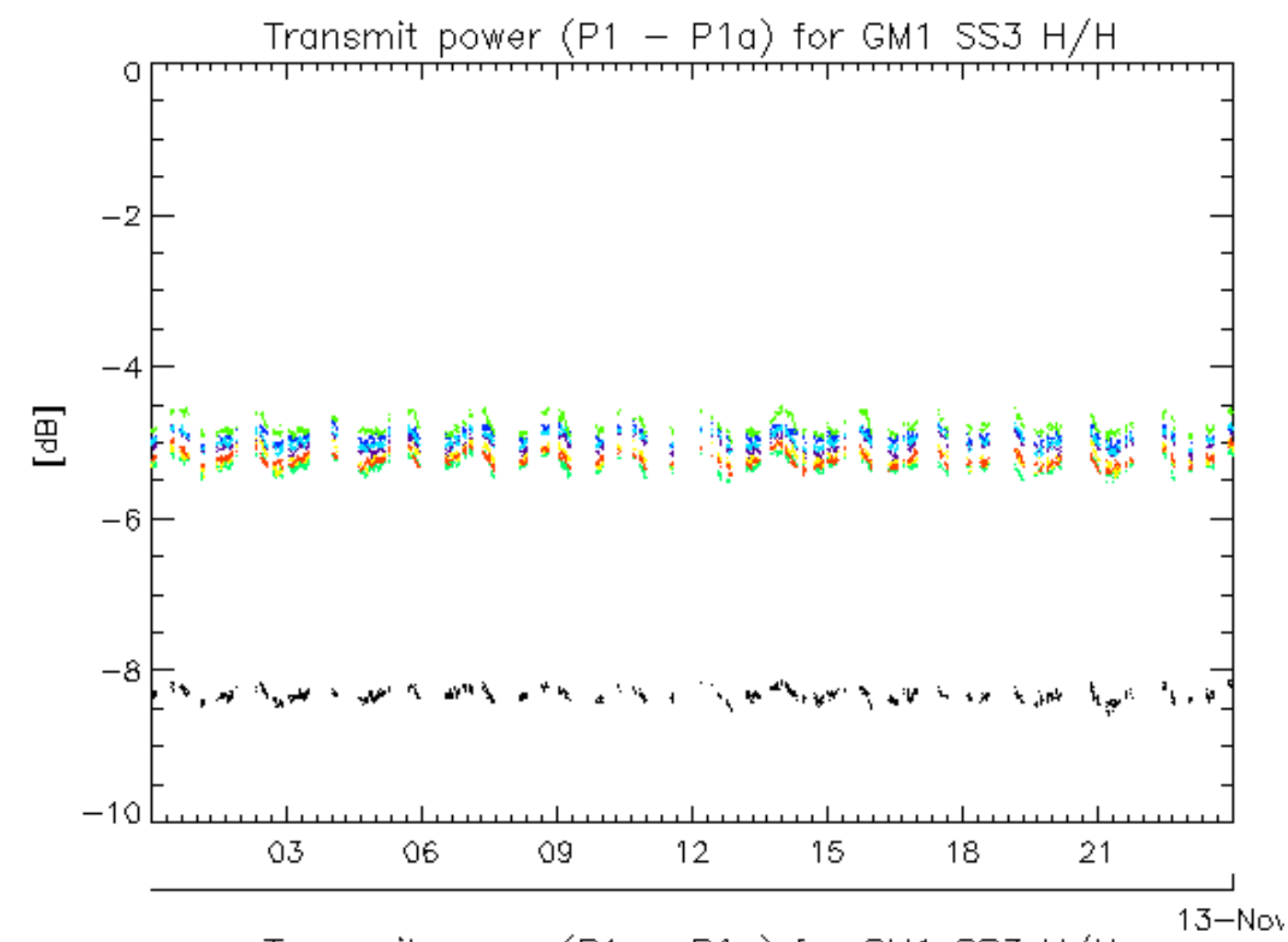






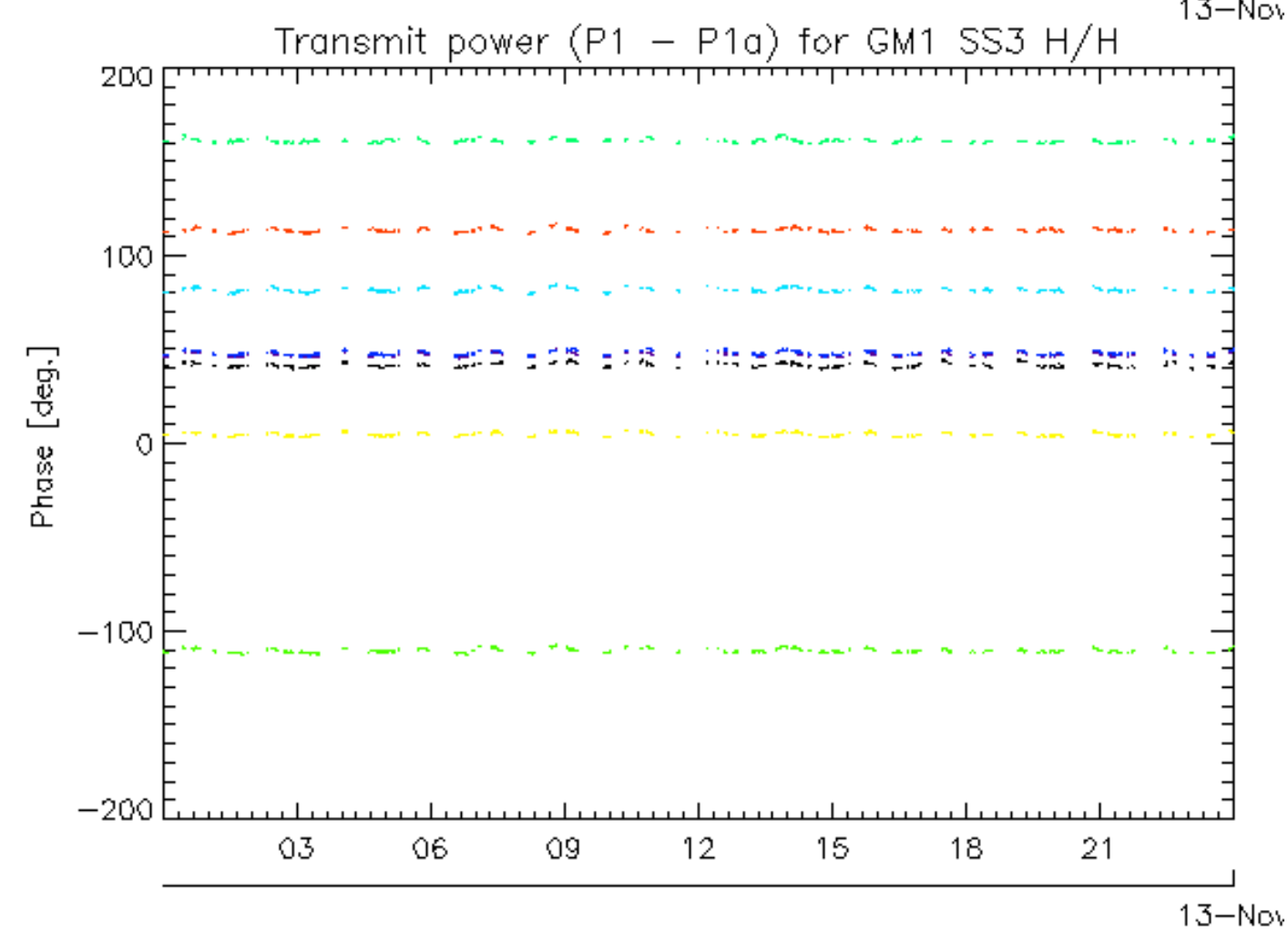
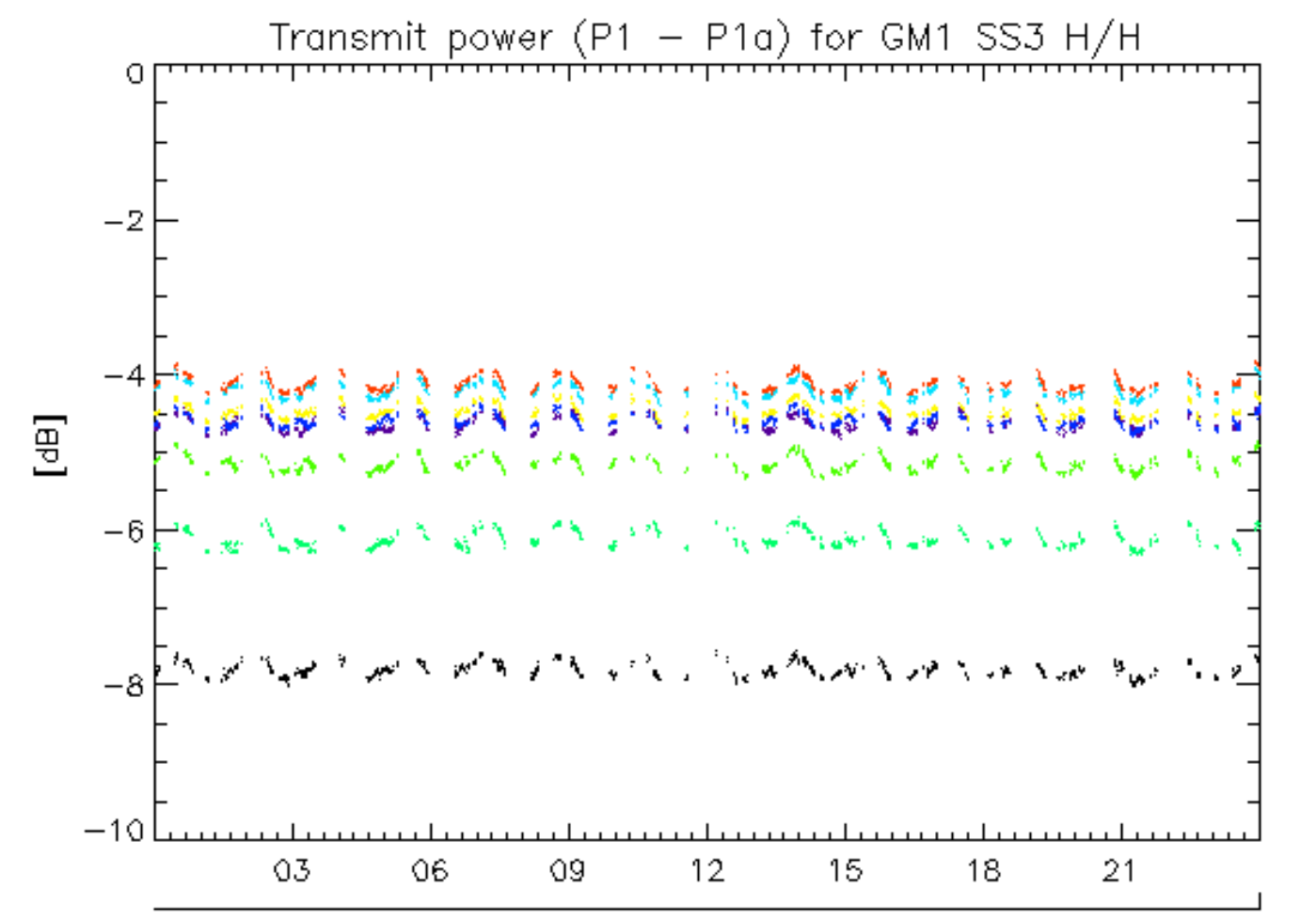


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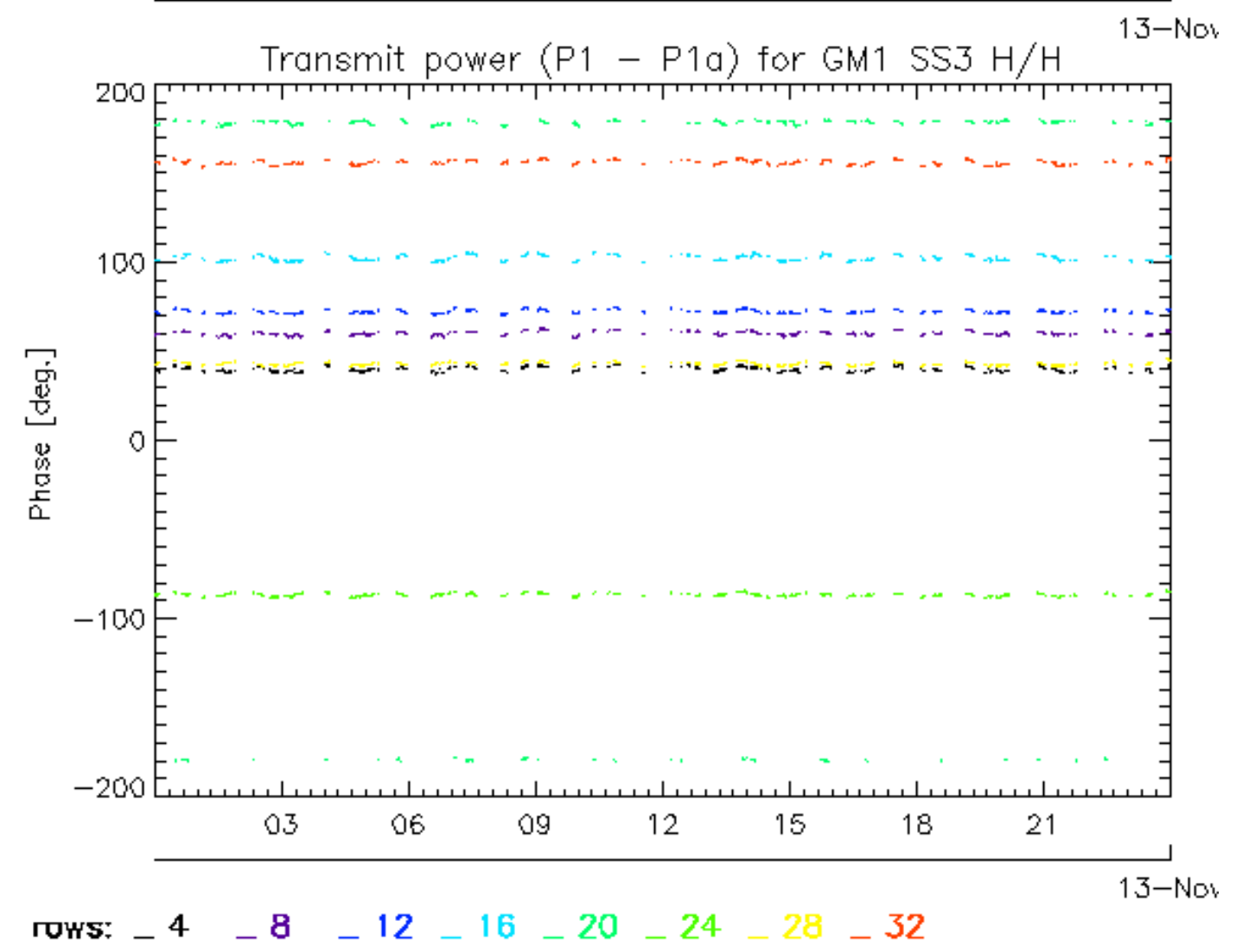
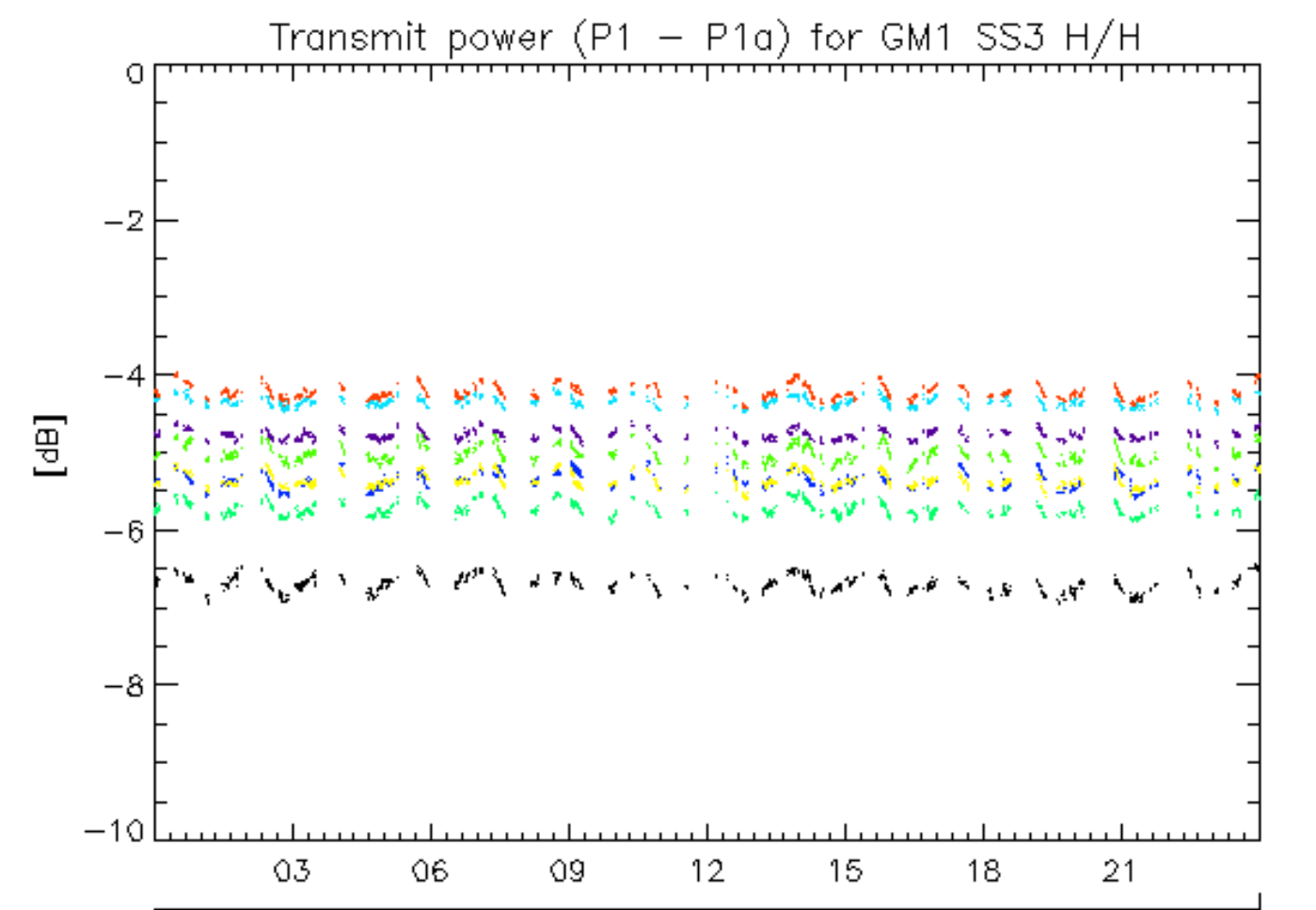


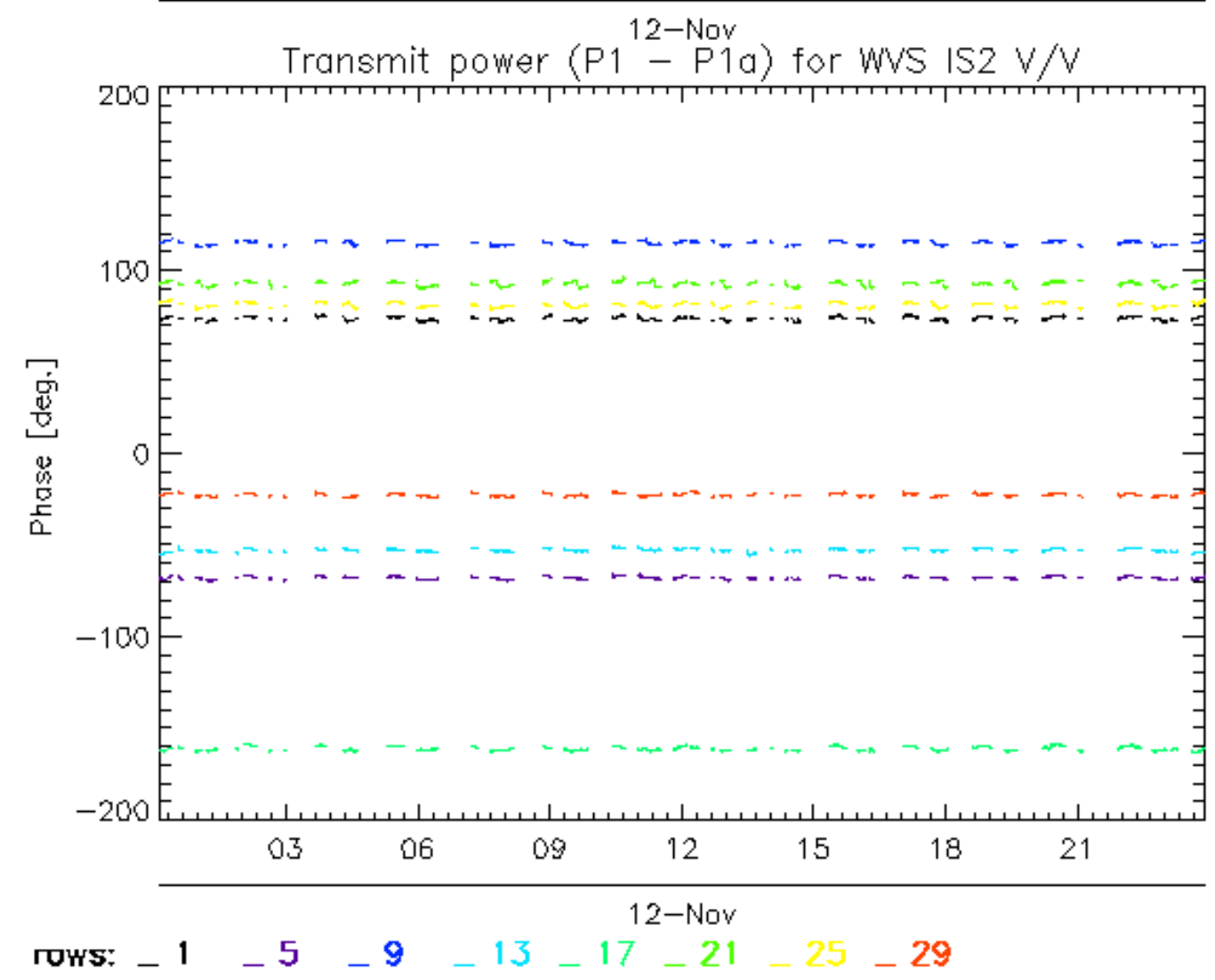
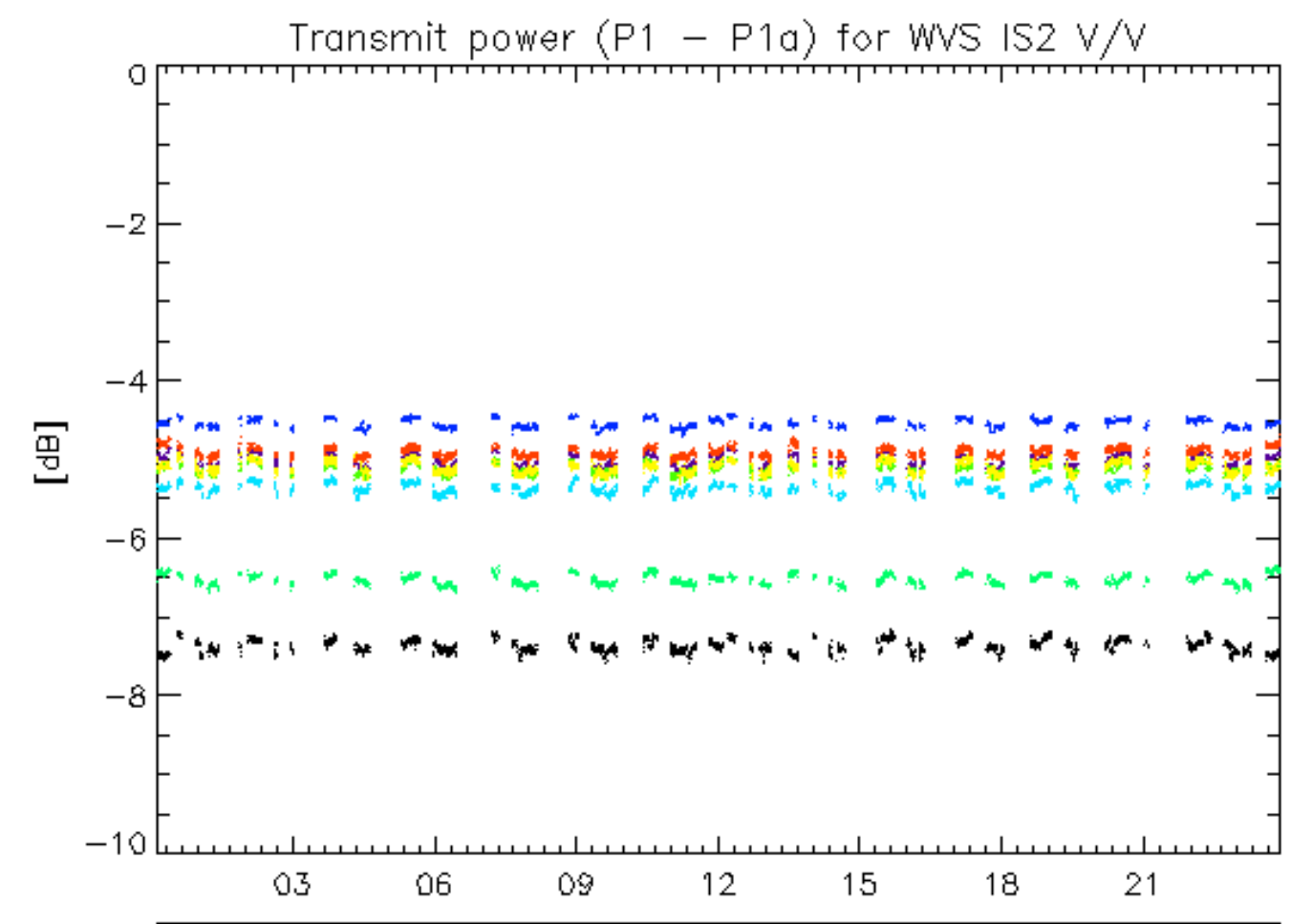
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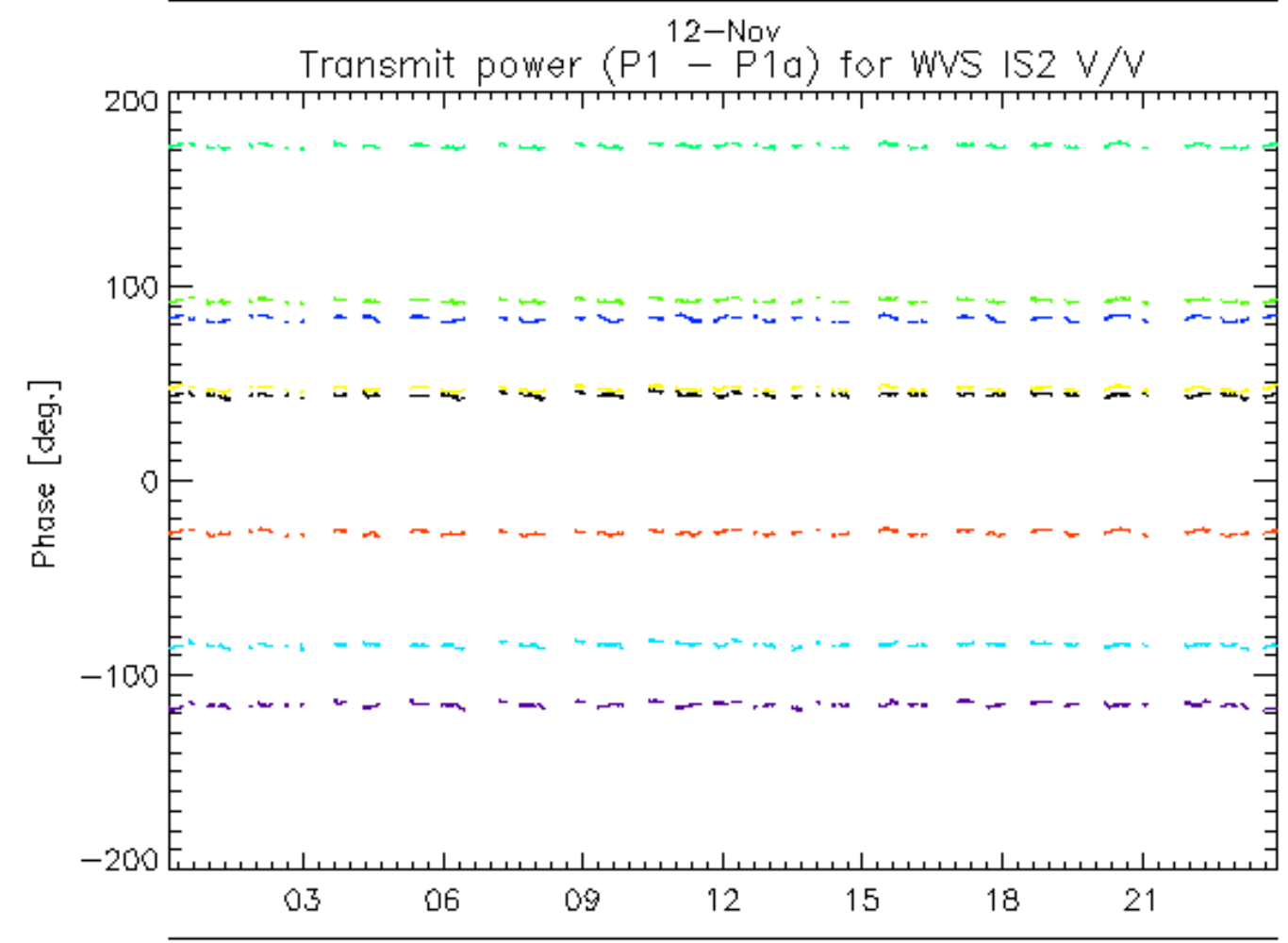
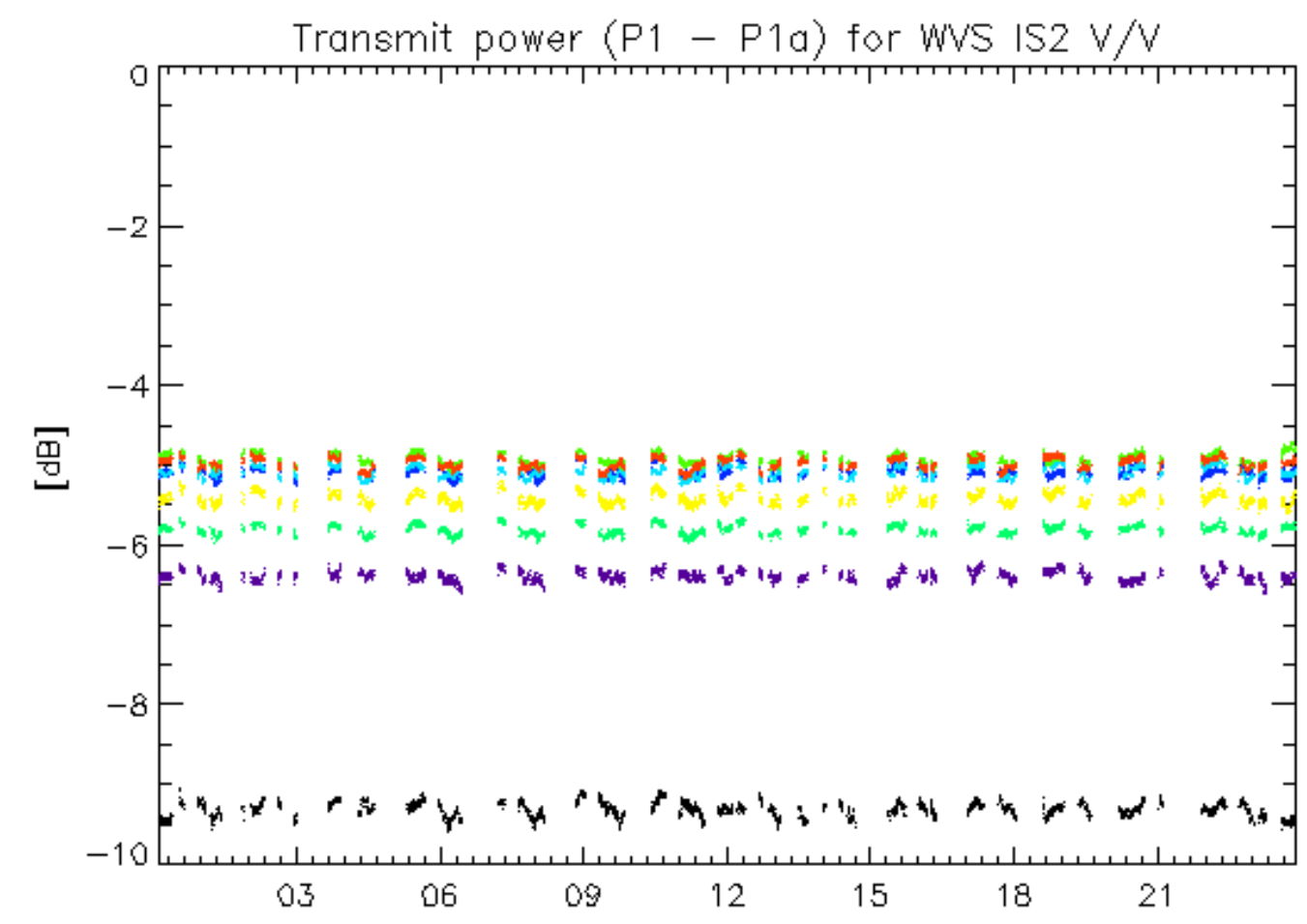


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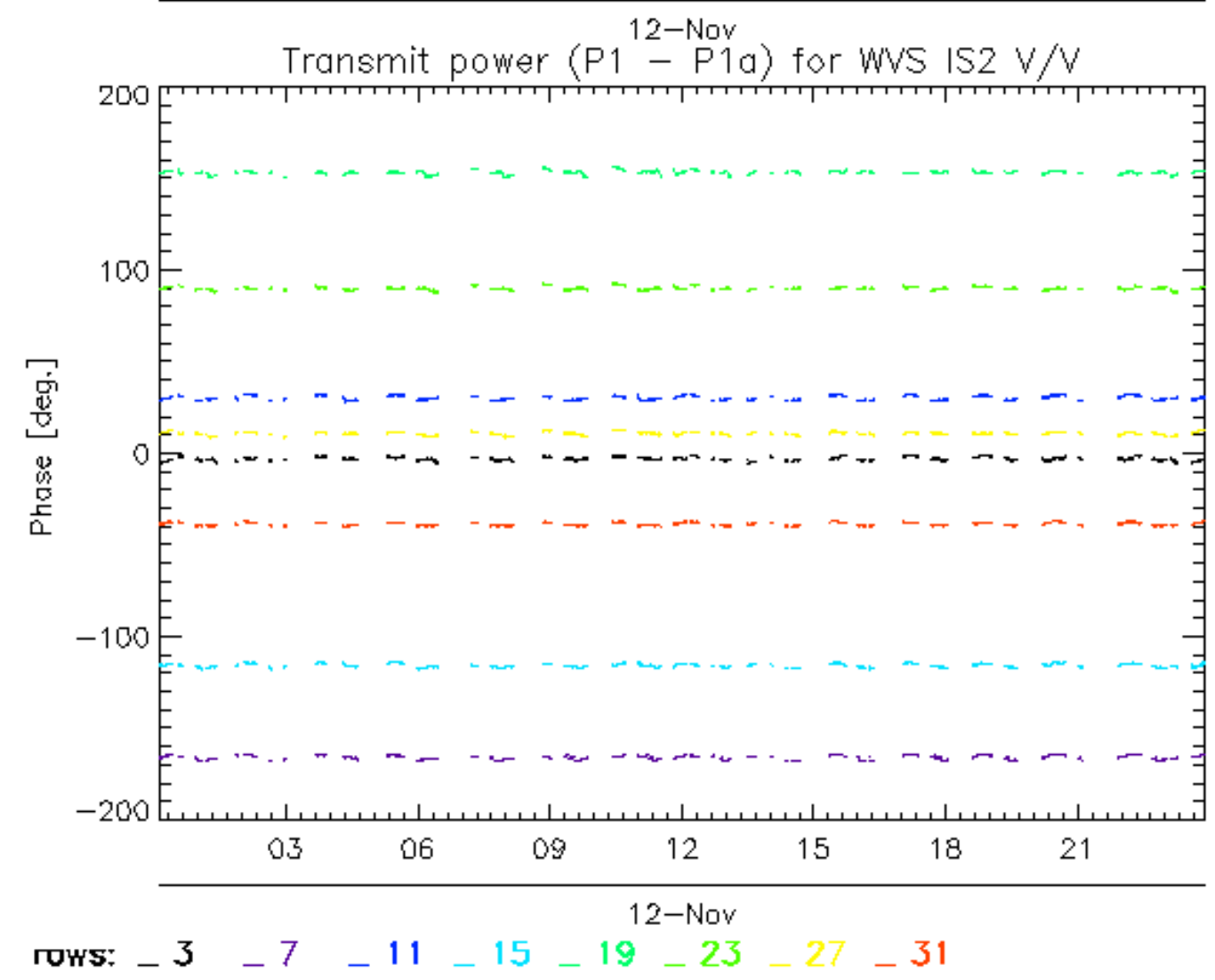
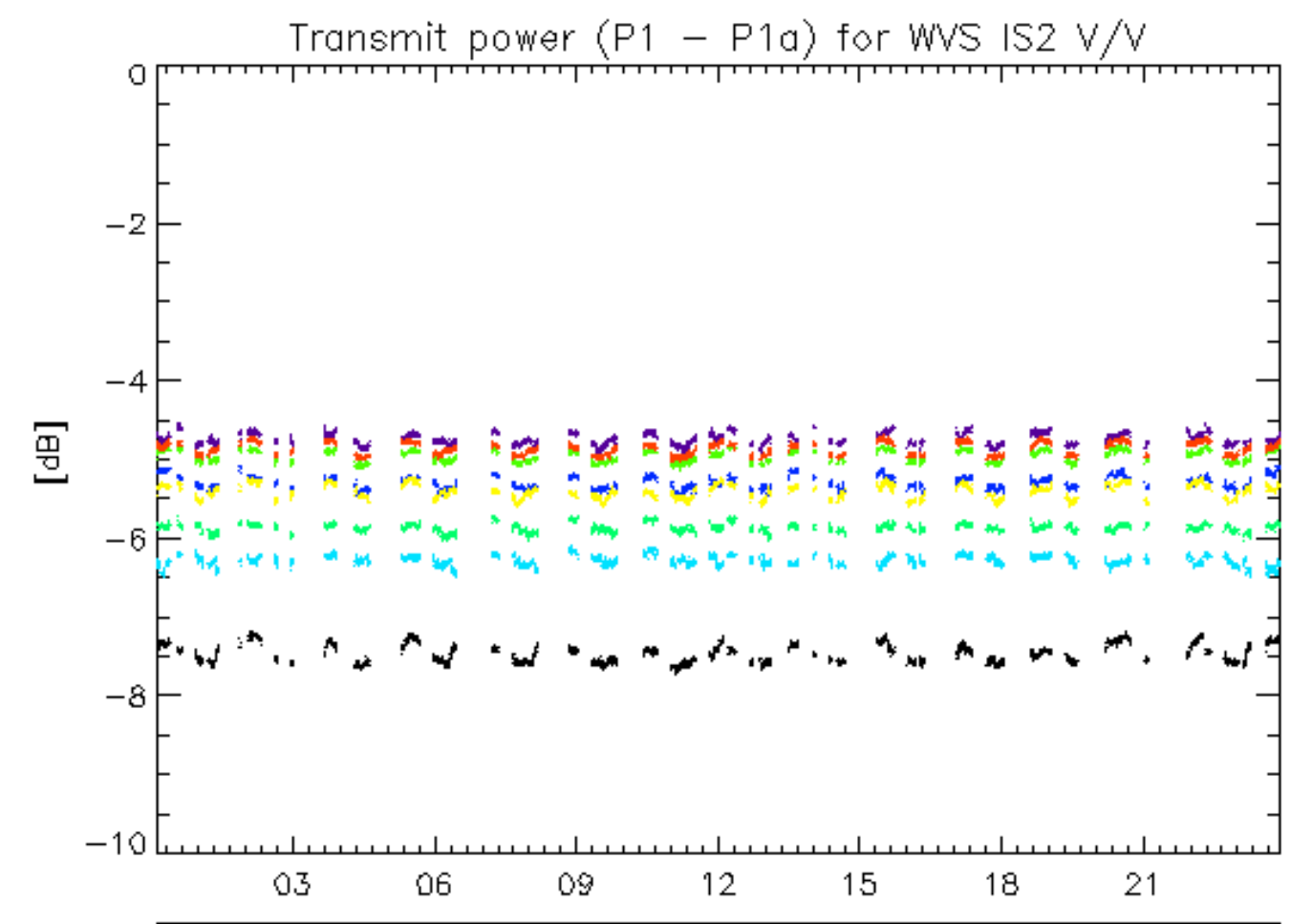


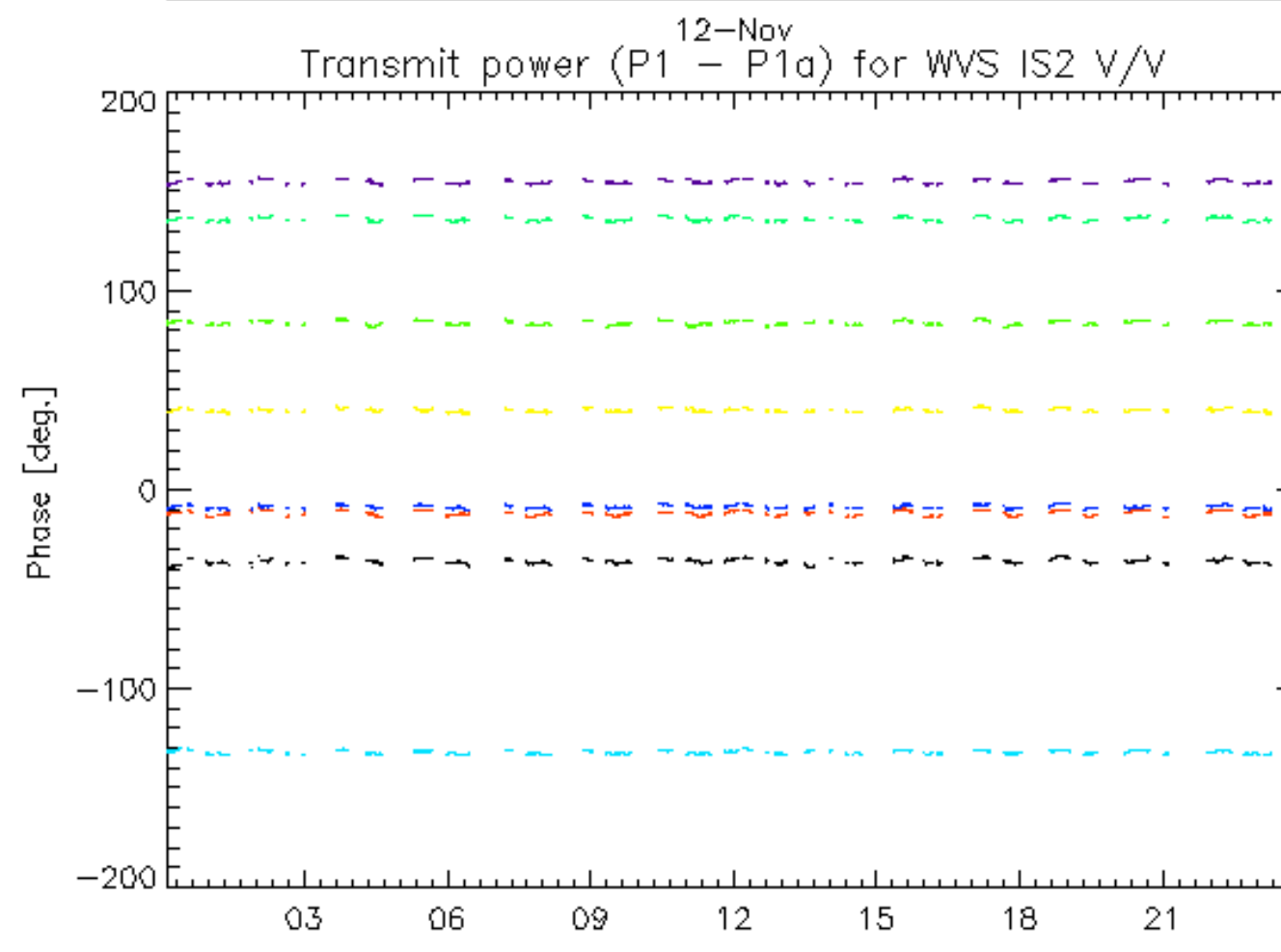
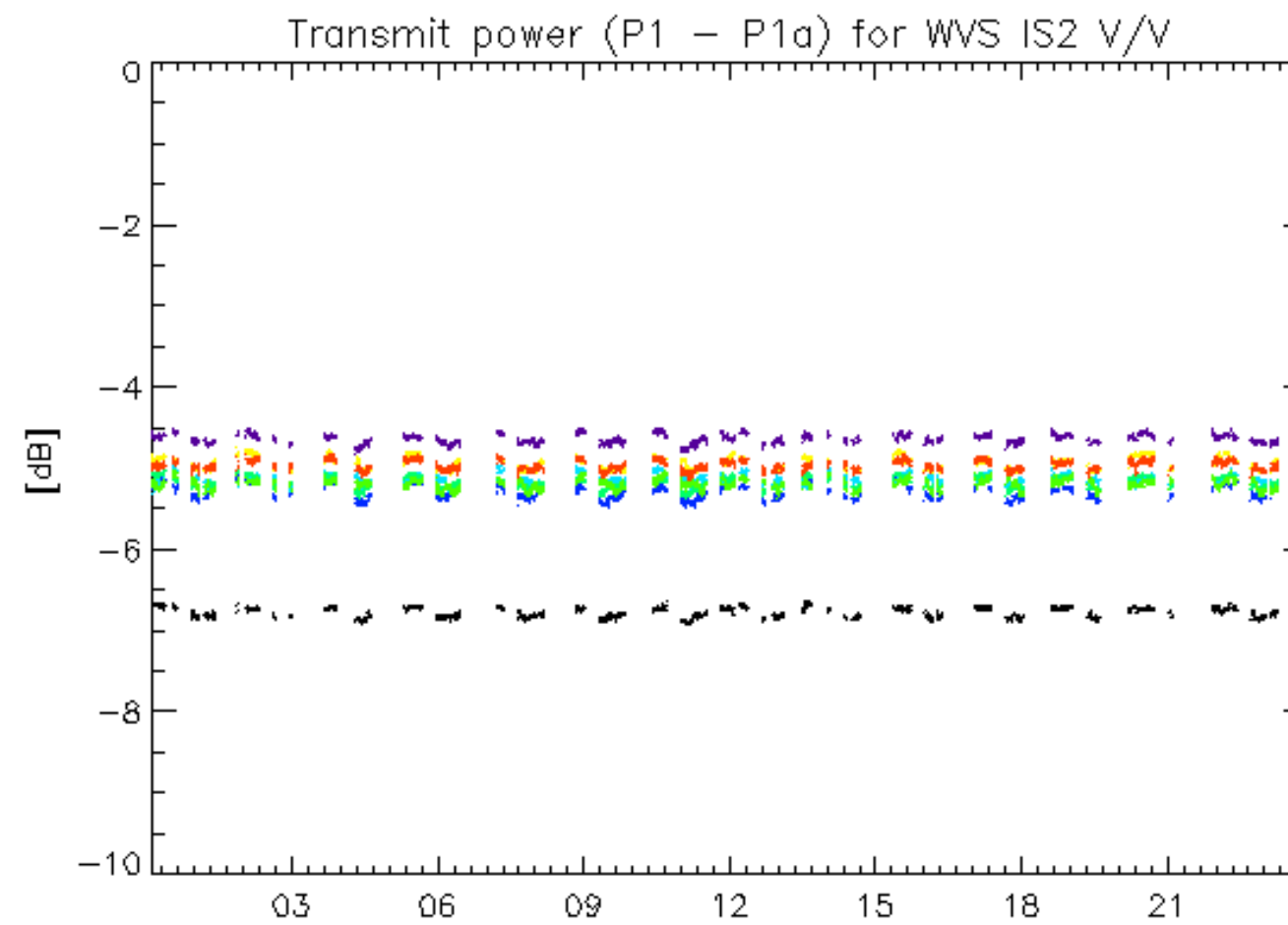




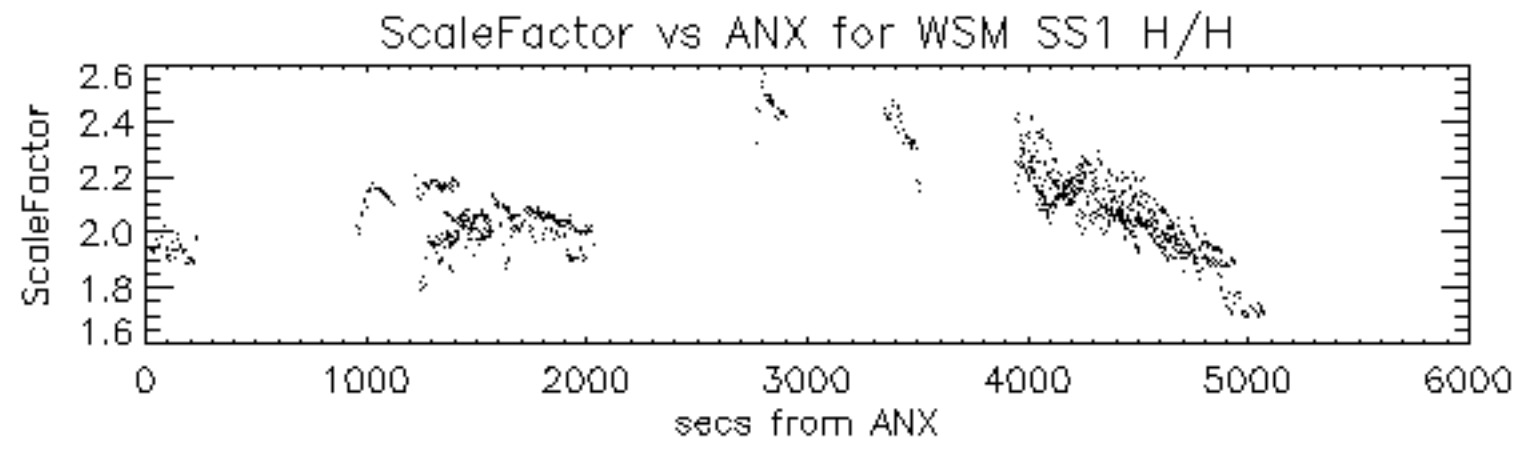


12-Nov  
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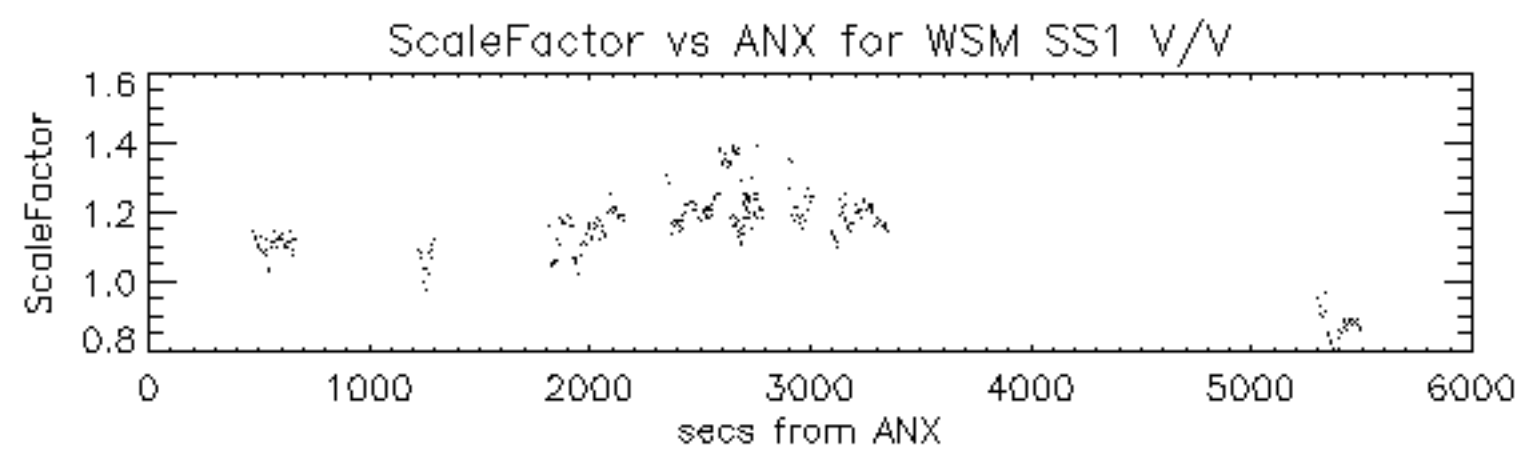


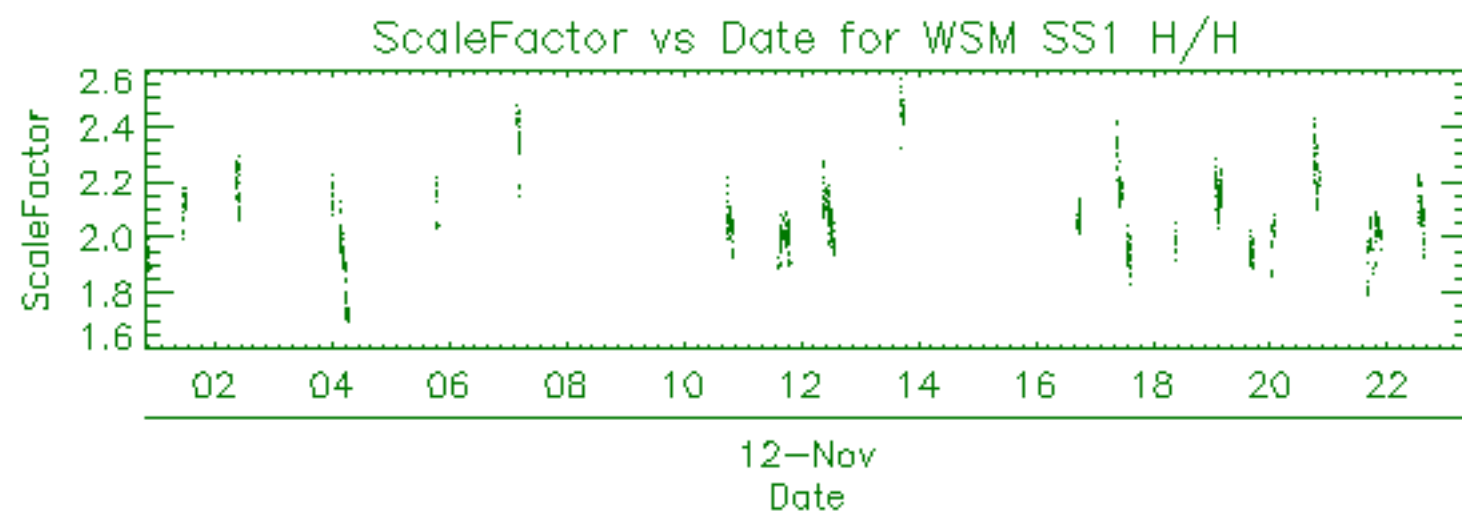


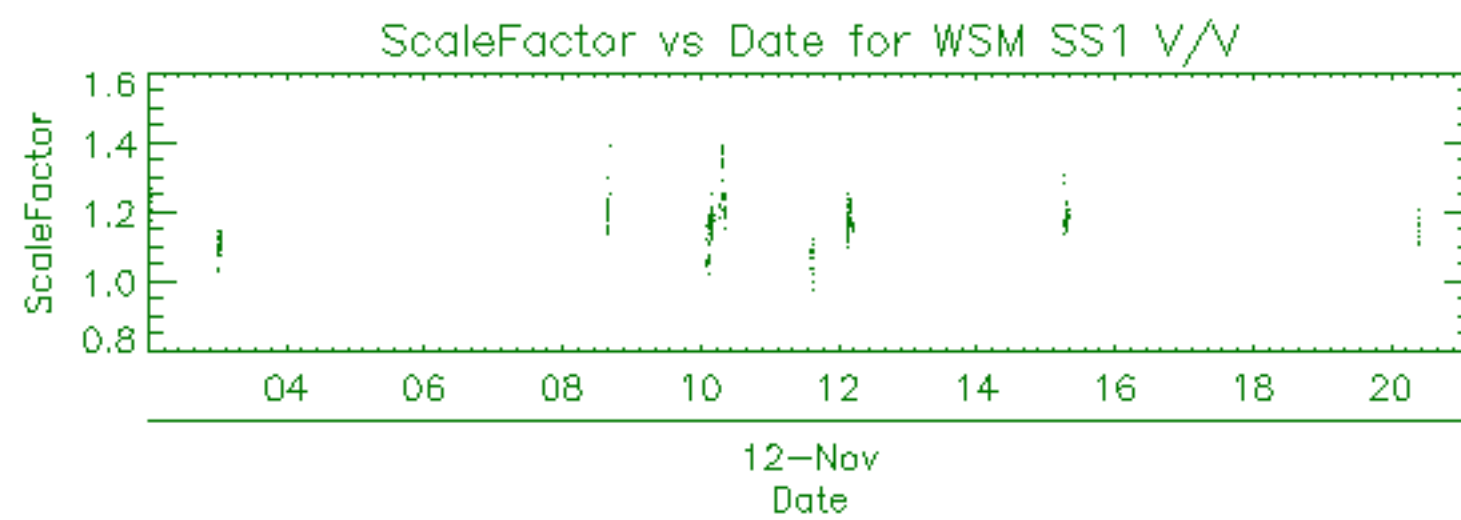
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ASA_APM_1PNPDE20071112_144112_000000562063_00197_29810_4370.N1						IS2	H/H	63	29810	197	4.05
ASA_APM_1PNPDE20071112_200929_000000422063_00200_29813_4564.N1						IS3	H/H	63	29813	200	4.05



Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_GM1_1PNPDK20071112_081047_000005982063_00193_29806_7751.N1						SS1	H/H	63	29806	193	4.05
ASA_GM1_1PNPDK20071112_081944_000000782063_00193_29806_7833.N1						SS1	H/H	63	29806	193	4.05
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ASA_GM1_1PNPDK20071112_180718_000002652063_00199_29812_8506.N1						SS1	H/H	63	29812	199	4.05
ASA_GM1_1PNPDK20071112_182436_000005982063_00199_29812_8615.N1						SS1	H/H	63	29812	199	4.05
ASA_GM1_1PNPDK20071112_191026_000006702063_00199_29812_8622.N1						SS1	H/H	63	29812	199	4.05
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ASA_GM1_1PNPDE20071112_214401_000001262063_00201_29814_4621.N1	SS1	H/H	63	29814	201	4.05
ASA_GM1_1PNPDE20071112_222649_000002952063_00201_29814_4623.N1	SS1	H/H	63	29814	201	4.05
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ASA_GM1_1PNPDE20071112_230134_000003022063_00202_29815_4758.N1	SS1	H/H	63	29815	202	4.05
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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_IMM_1PNPDE20071112_062903_000001252063_00192_29805_4125.N1						IS2	V/V	63	29805	192	4.05
ASA_IMM_1PNPDK20071112_064239_000001122063_00192_29805_7742.N1						IS2	V/V	63	29805	192	4.05
ASA_IMM_1PNPDE20071112_065042_000000802063_00192_29805_4127.N1						IS2	V/V	63	29805	192	4.05
ASA_IMM_1PNPDE20071112_065244_000000362063_00192_29805_4076.N1						IS2	V/V	63	29805	192	4.05
ASA_IMM_1PNPDE20071112_065336_000001272063_00192_29805_4207.N1						IS2	V/V	63	29805	192	4.05
ASA_IMM_1PNPDE20071112_070025_000001942063_00192_29805_4242.N1						IS5	H/H	63	29805	192	4.05
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ASA_IMM_1PNPDK20071112_101120_000000962063_00194_29807_7930.N1						IS2	V/V	63	29807	194	4.05
ASA_IMM_1PNPDK20071112_114211_000000812063_00195_29808_8059.N1						IS2	V/V	63	29808	195	4.05
ASA_IMM_1PNPDE20071112_134638_000000352063_00196_29809_4354.N1						IS7	V/V	63	29809	196	4.05
ASA_IMM_1PNPDE20071112_135652_000000342063_00196_29809_4356.N1						IS2	V/V	63	29809	196	4.05
ASA_IMM_1PNPDE20071112_142523_000000792063_00196_29809_4388.N1						IS6	H/H	63	29809	196	4.05
ASA_IMM_1PNPDE20071112_143554_000000372063_00196_29809_4358.N1						IS7	V/V	63	29809	196	4.05
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ASA_IMM_1PNPDE20071112_180440_000001402063_00199_29812_4420.N1						IS6	V/V	63	29812	199	4.05
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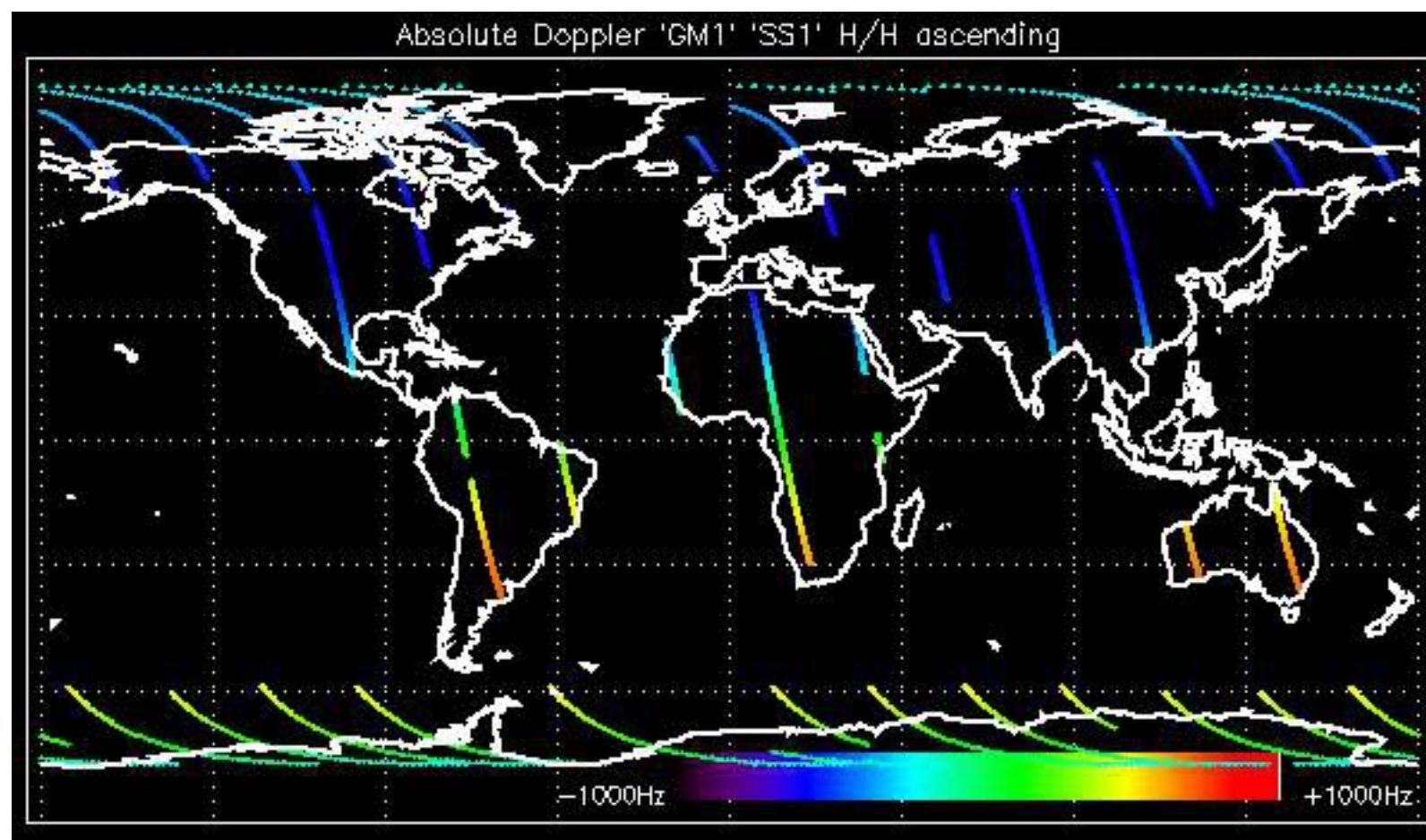
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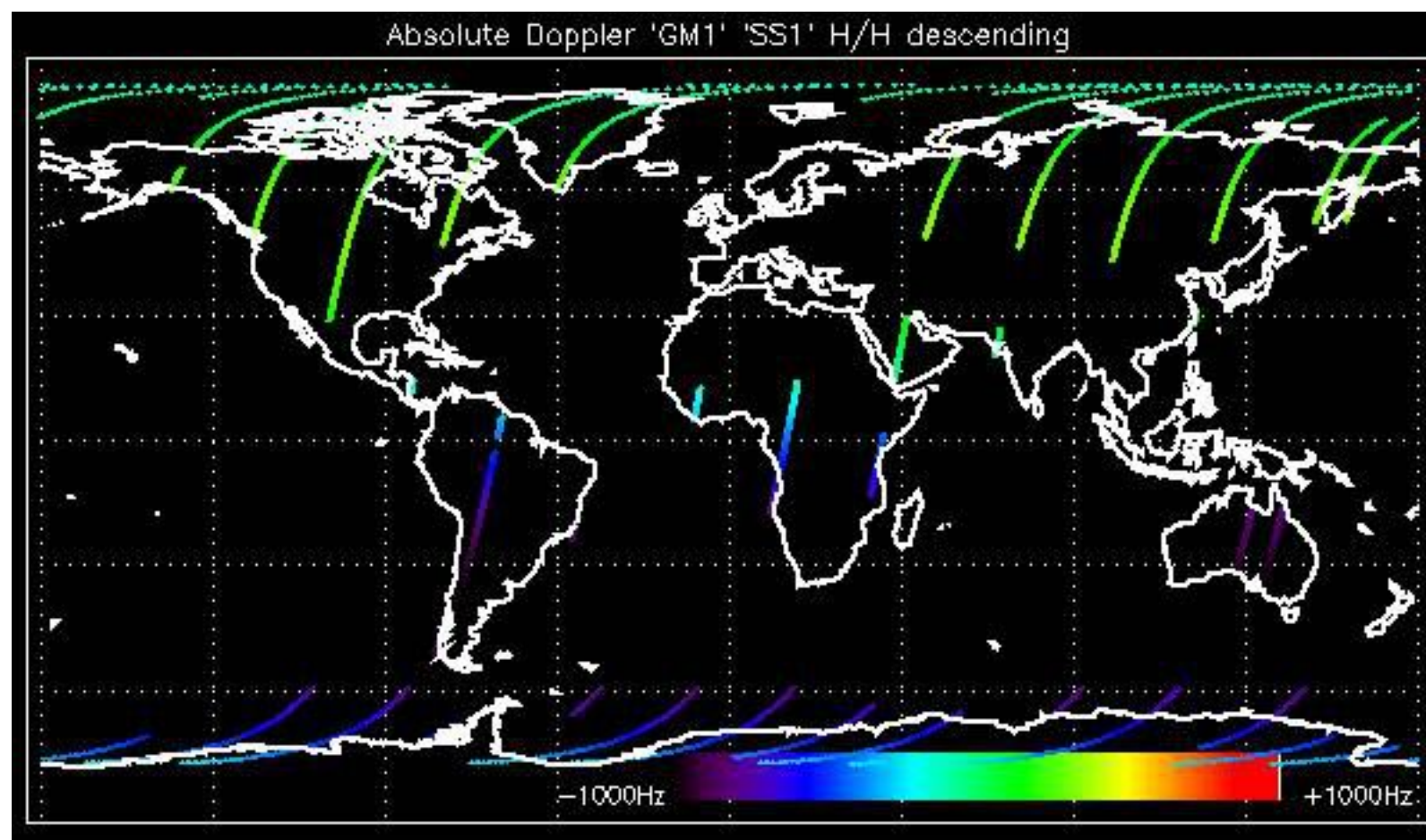


Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_WSM_1PNPDE20071112_030036_000002022063_00190_29803_3838.N1						SS1	V/V	63	29803	190	4.05
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ASA_WSM_1PNPDE20071112_040029_000000852063_00190_29803_3834.N1						SS1	H/H	63	29803	190	4.05
ASA_WSM_1PNPDE20071112_040750_000005812063_00190_29803_4209.N1						SS1	H/H	63	29803	190	4.05
ASA_WSM_1PNPDE20071112_040750_000005812063_00190_29803_4244.N1						SS1	H/H	63	29803	190	4.05
ASA_WSM_1PNPDE20071112_054705_000001032063_00191_29804_4082.N1						SS1	H/H	63	29804	191	4.05
ASA_WSM_1PNPDE20071112_070942_000001772063_00192_29805_4246.N1						SS1	H/H	63	29805	192	4.05
ASA_WSM_1PNPDE20071112_083830_000001282063_00193_29806_4255.N1						SS1	V/V	63	29806	193	4.05
ASA_WSM_1PNPDK20071112_100522_000003612063_00194_29807_7960.N1						SS1	V/V	63	29807	194	4.05
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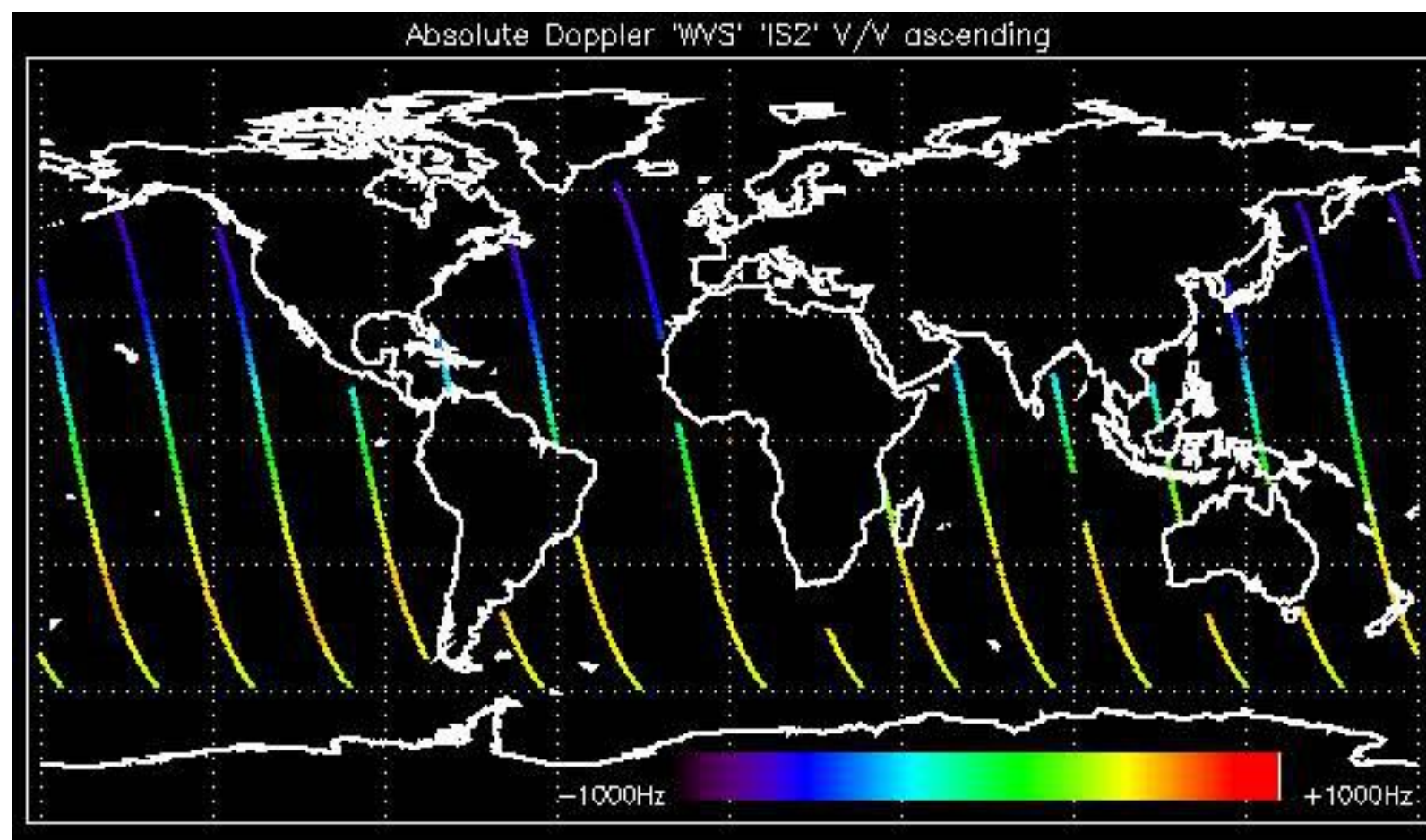
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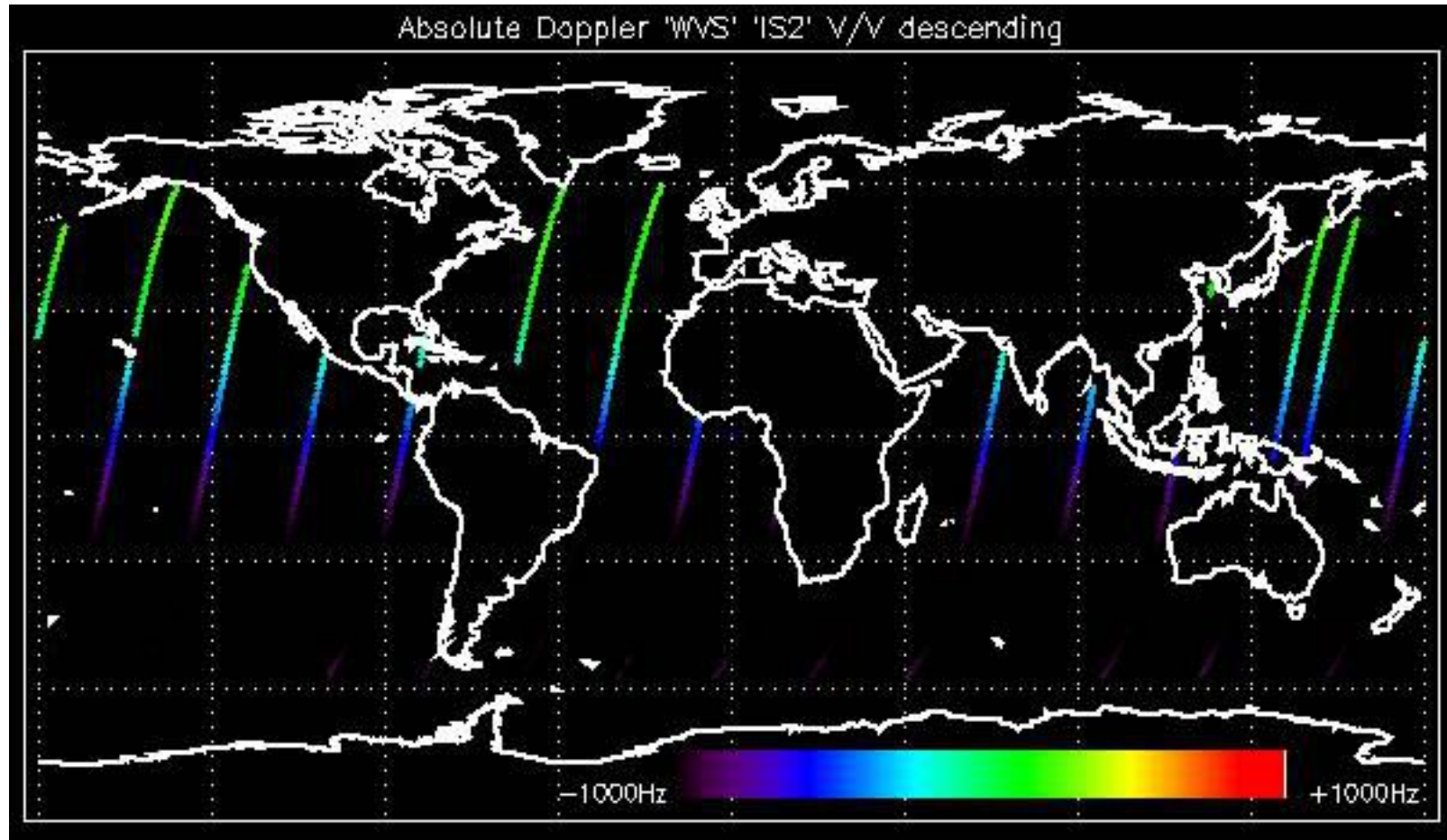


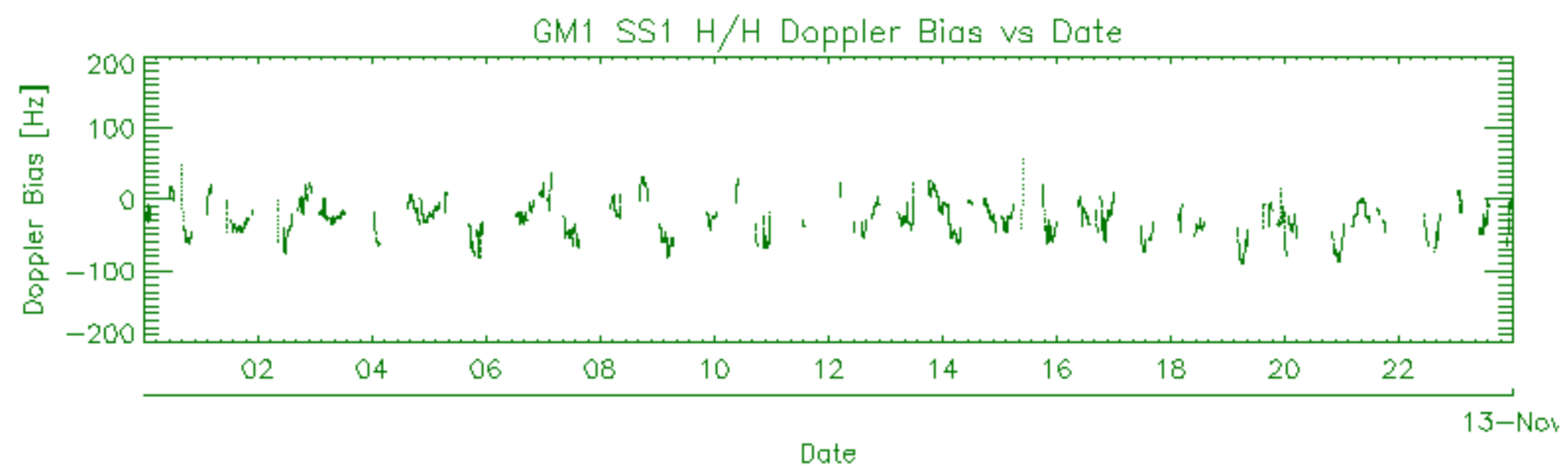
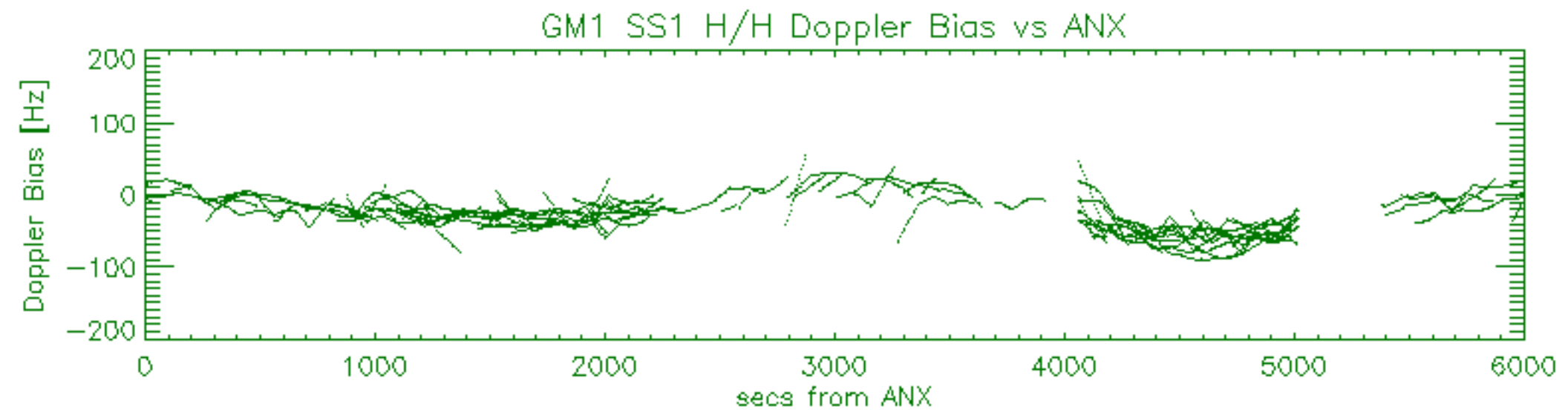
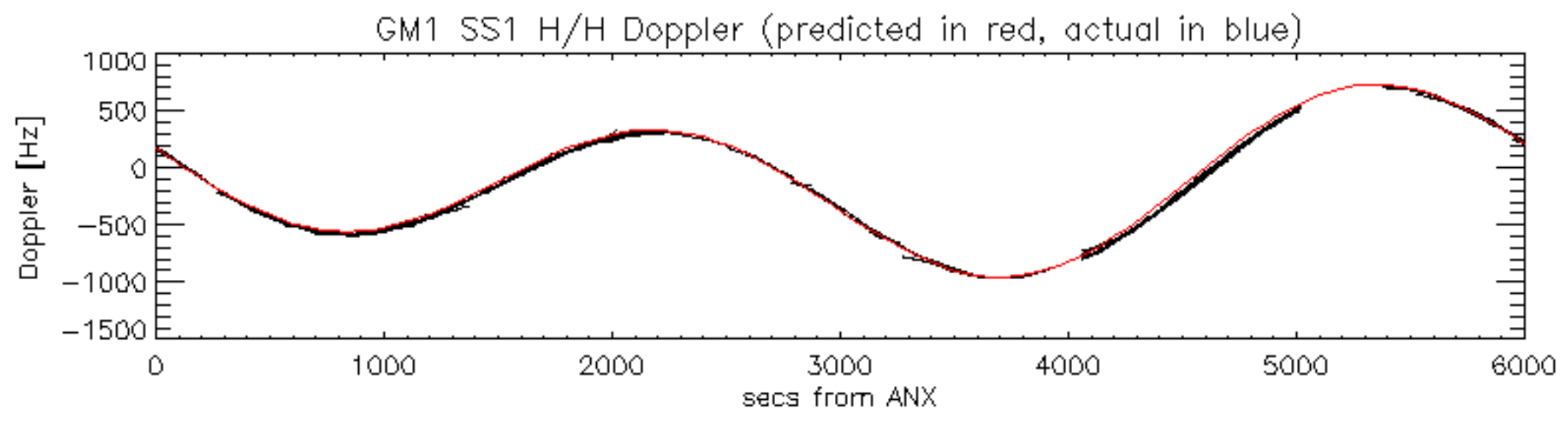


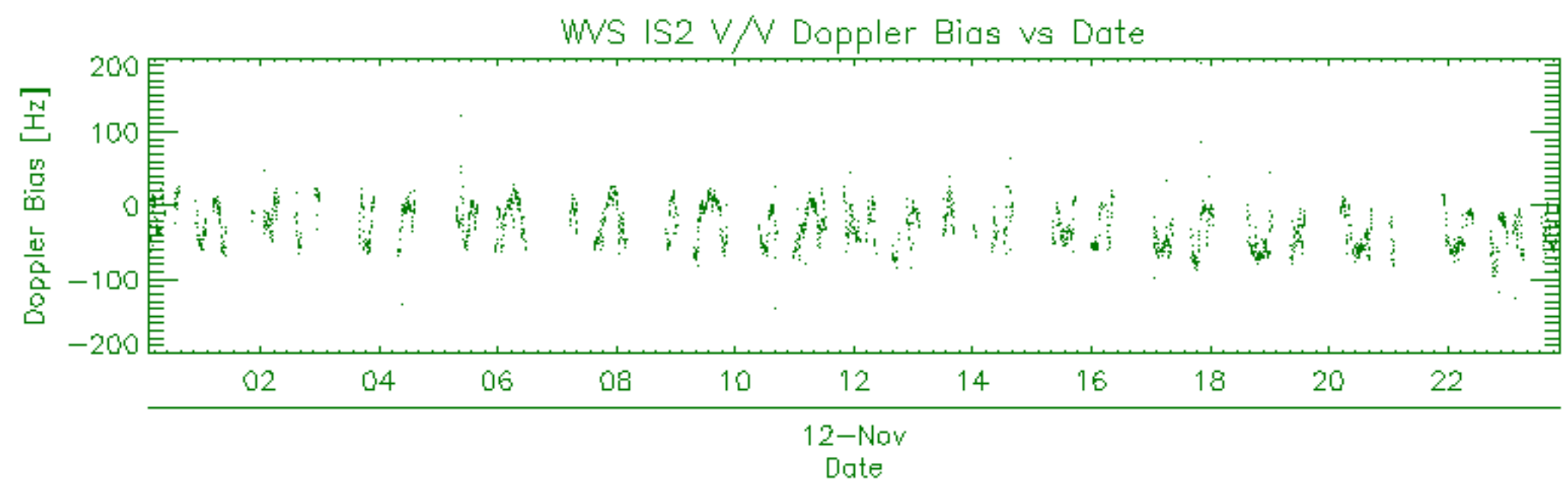
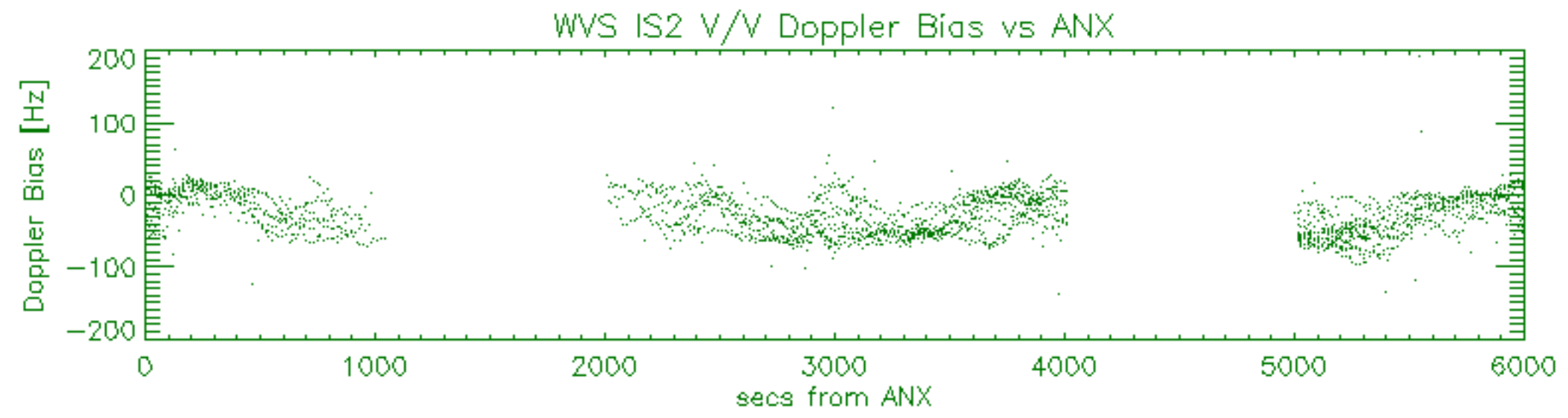
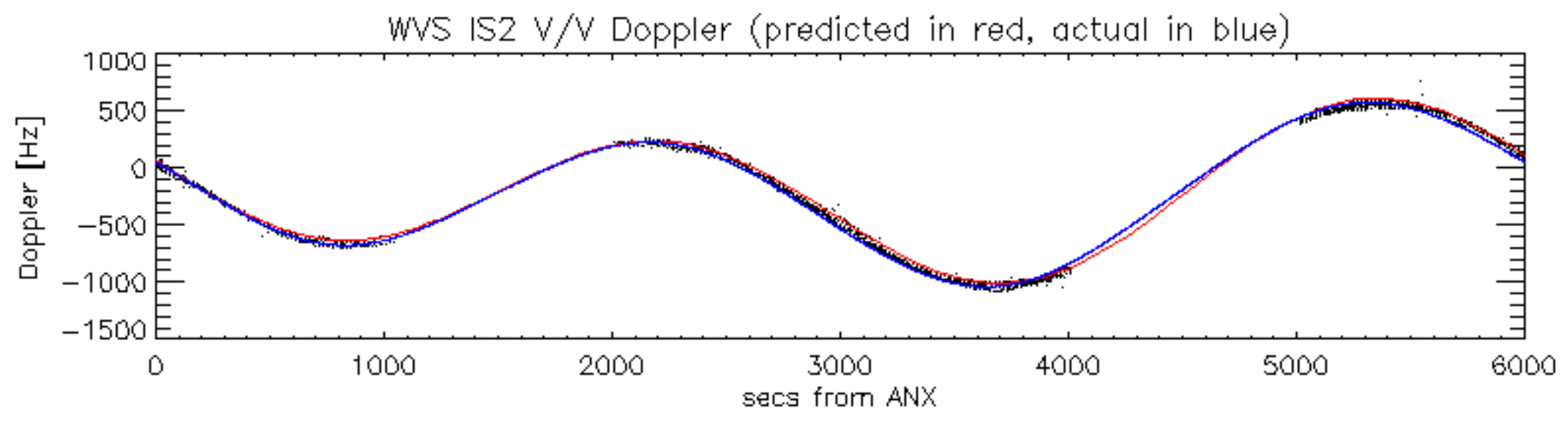




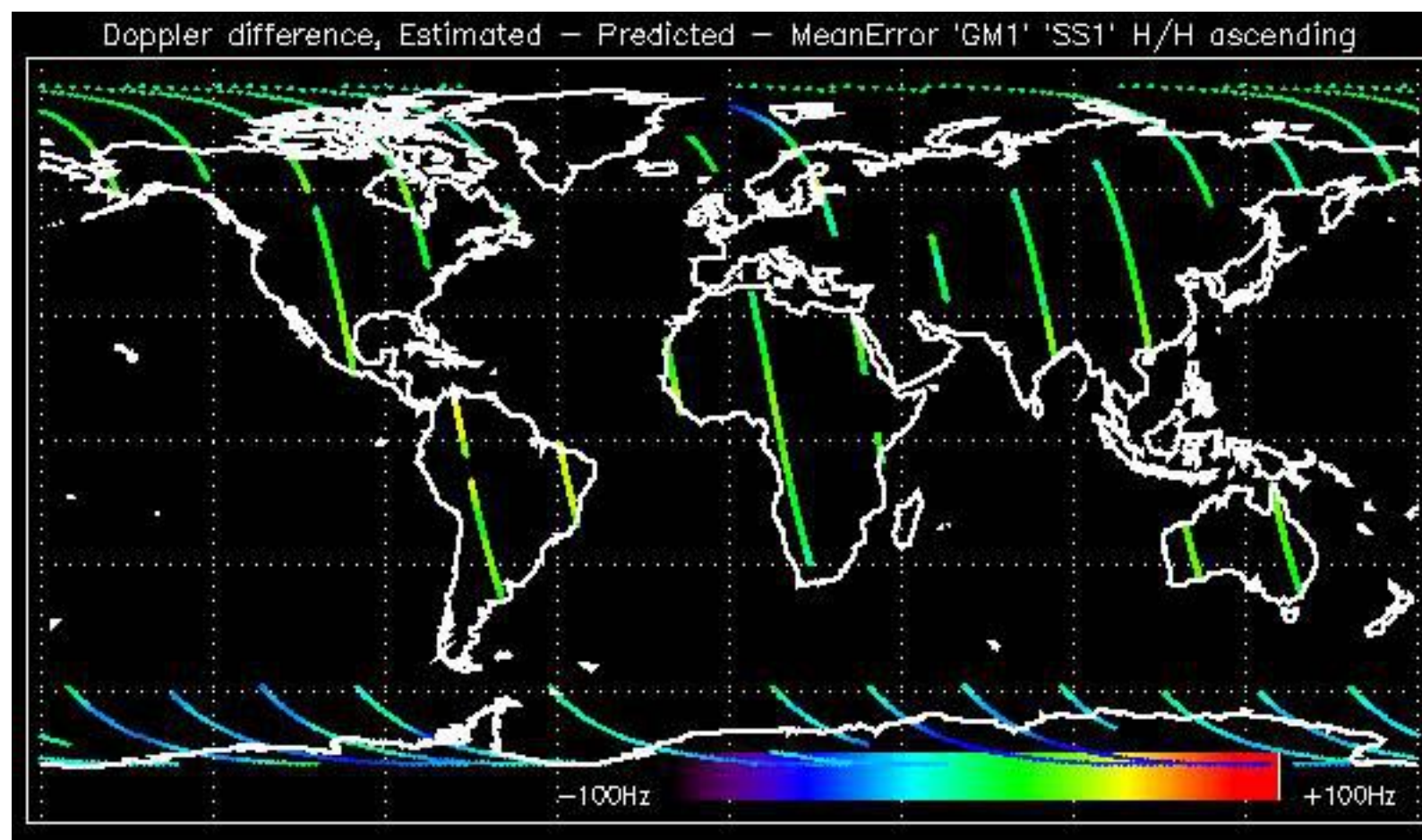


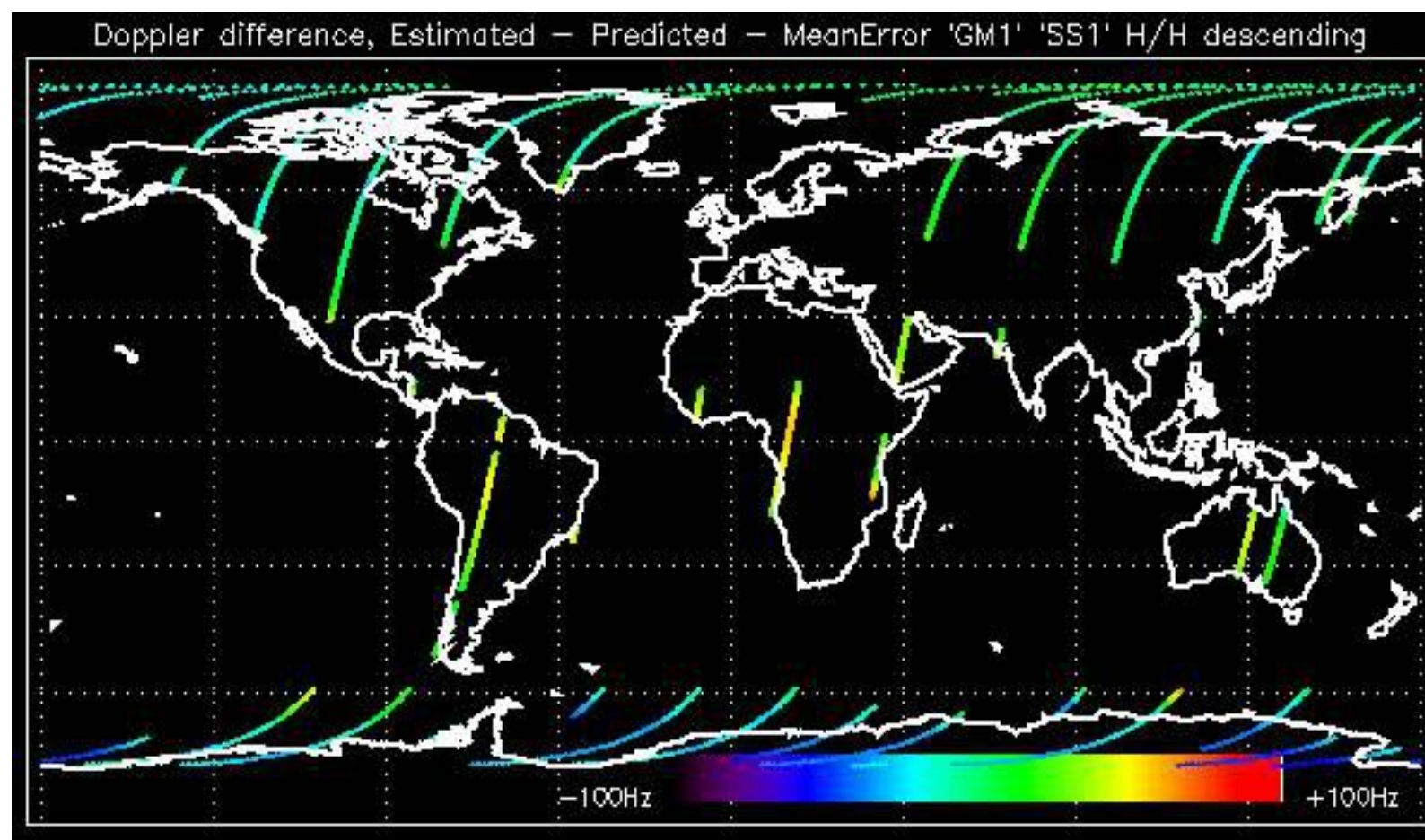


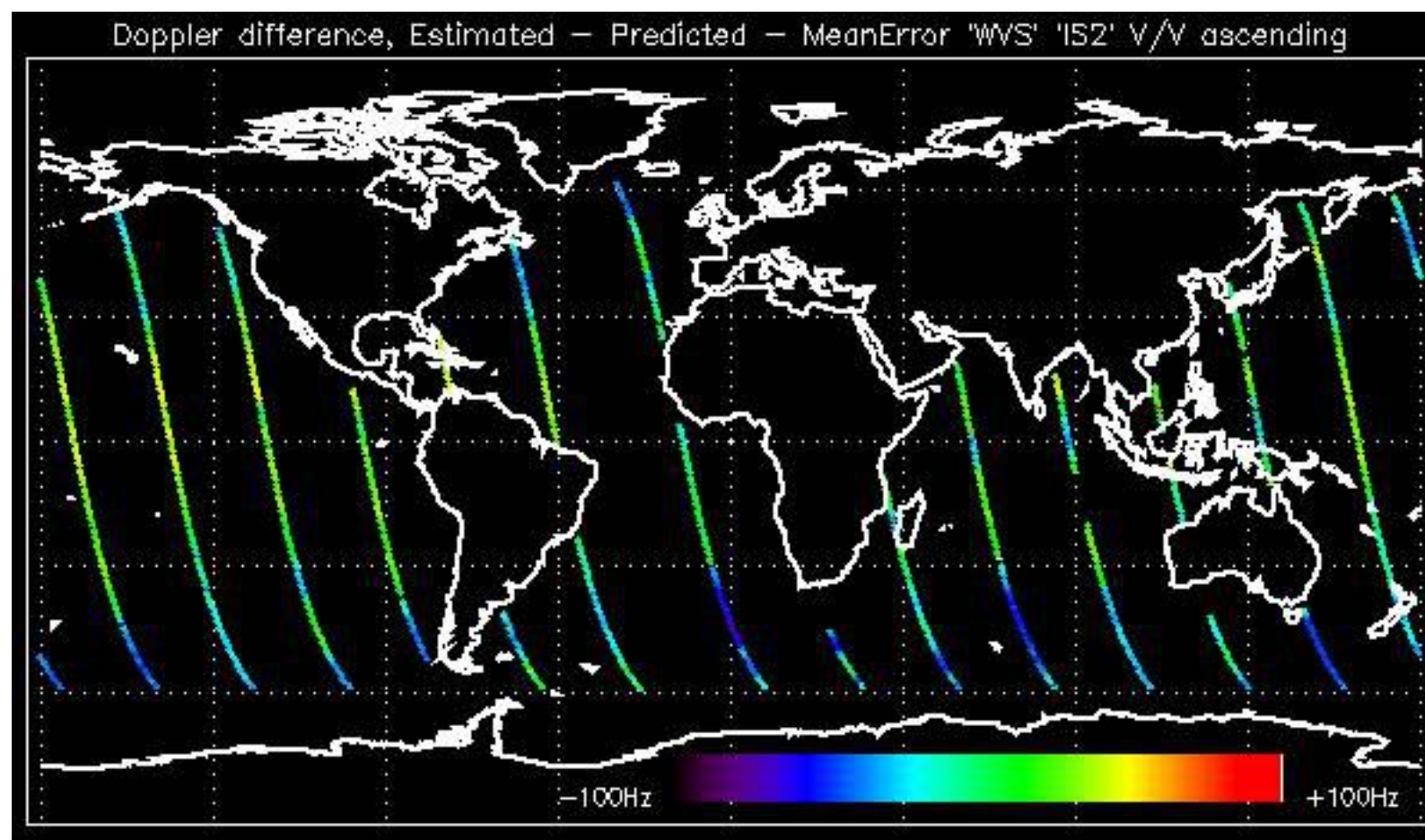




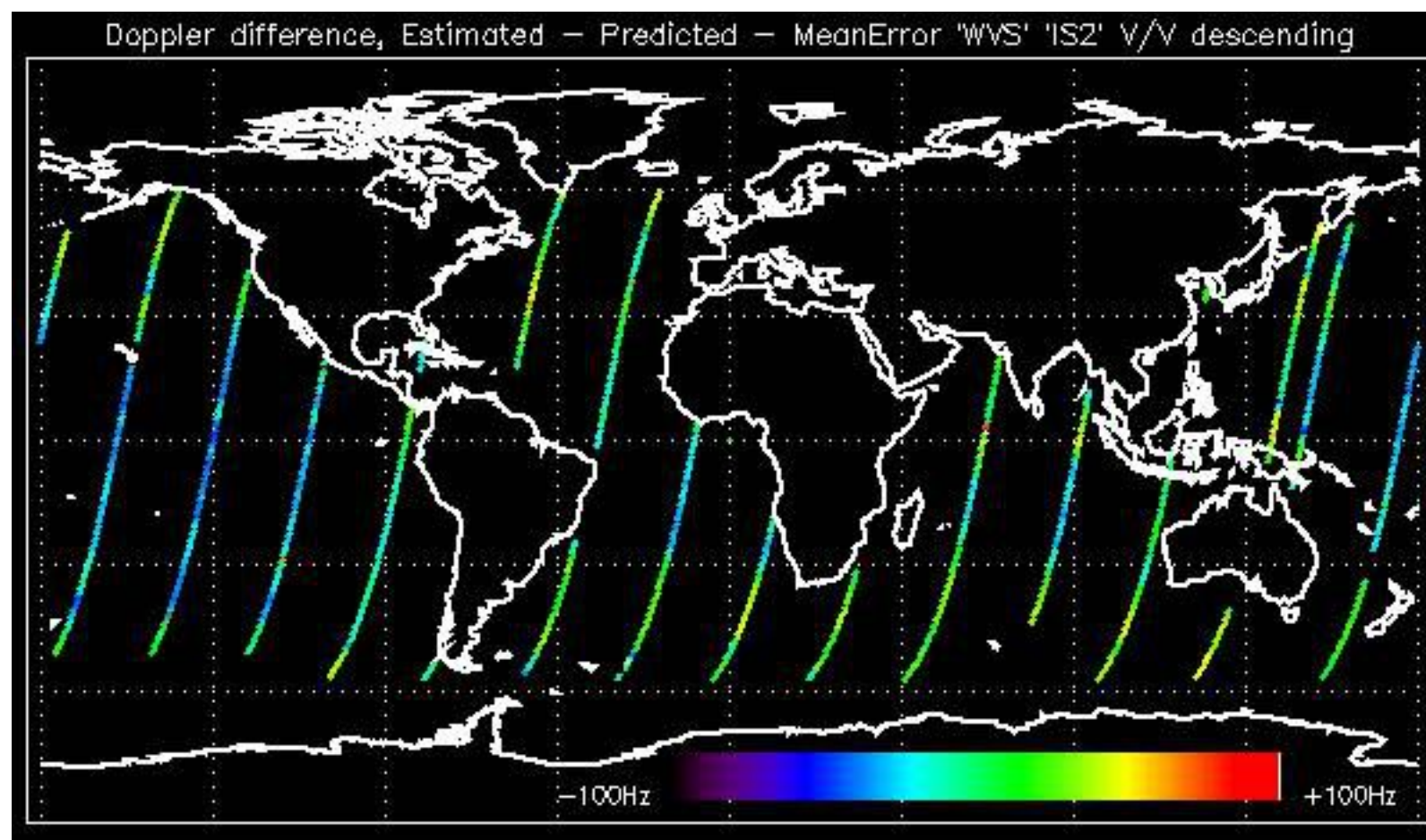




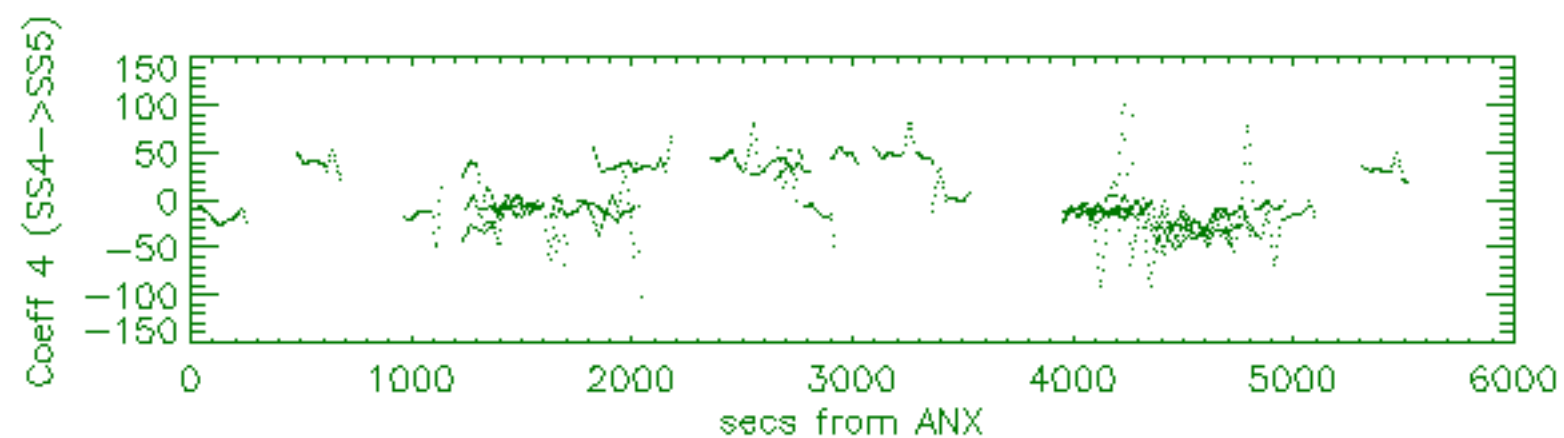
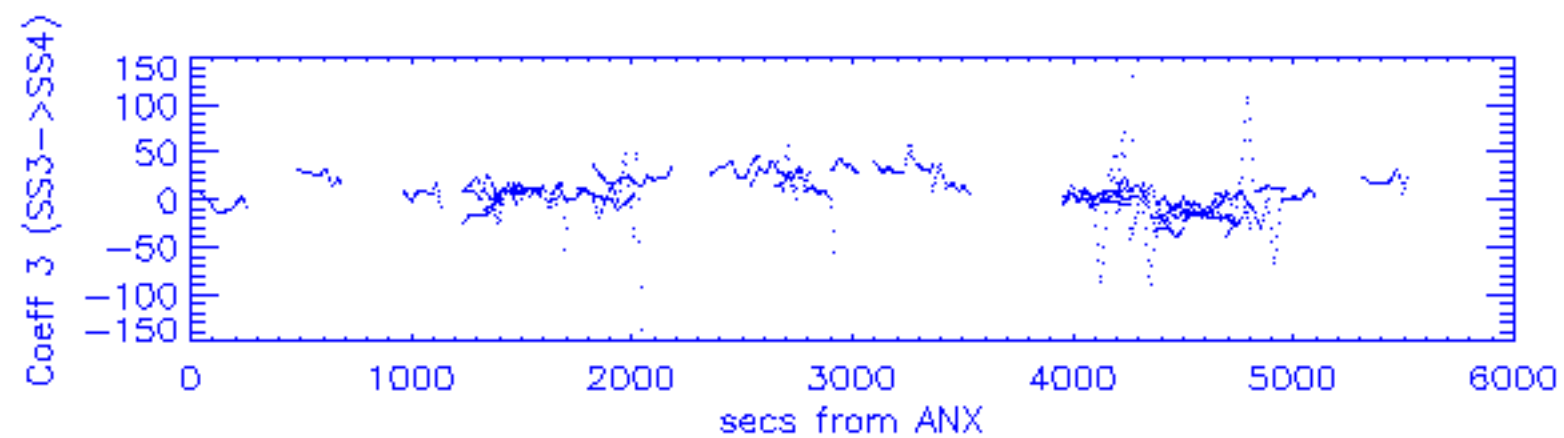
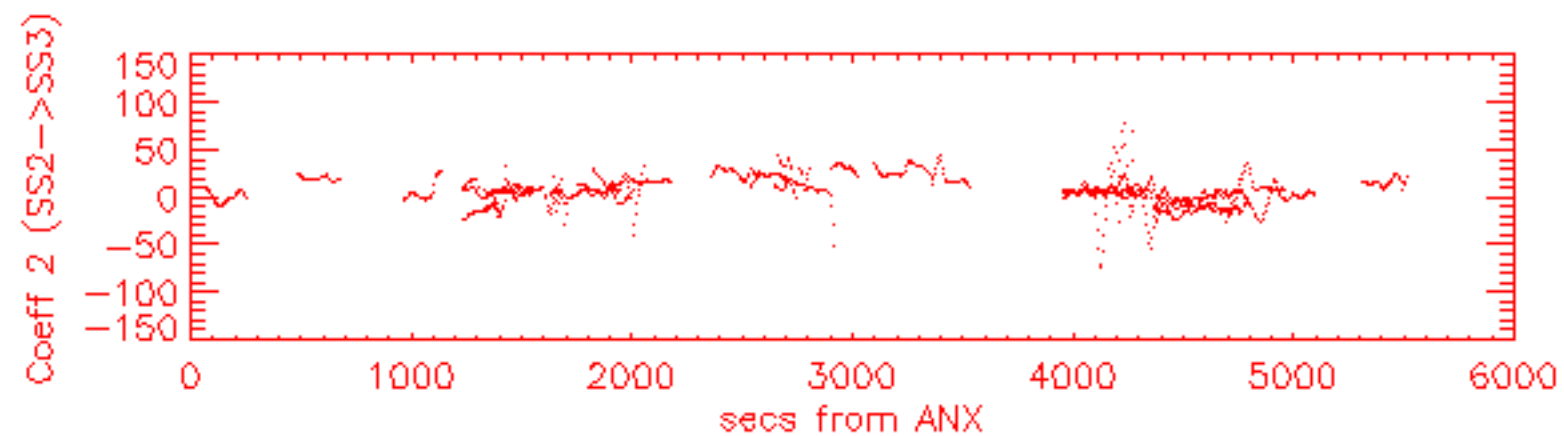
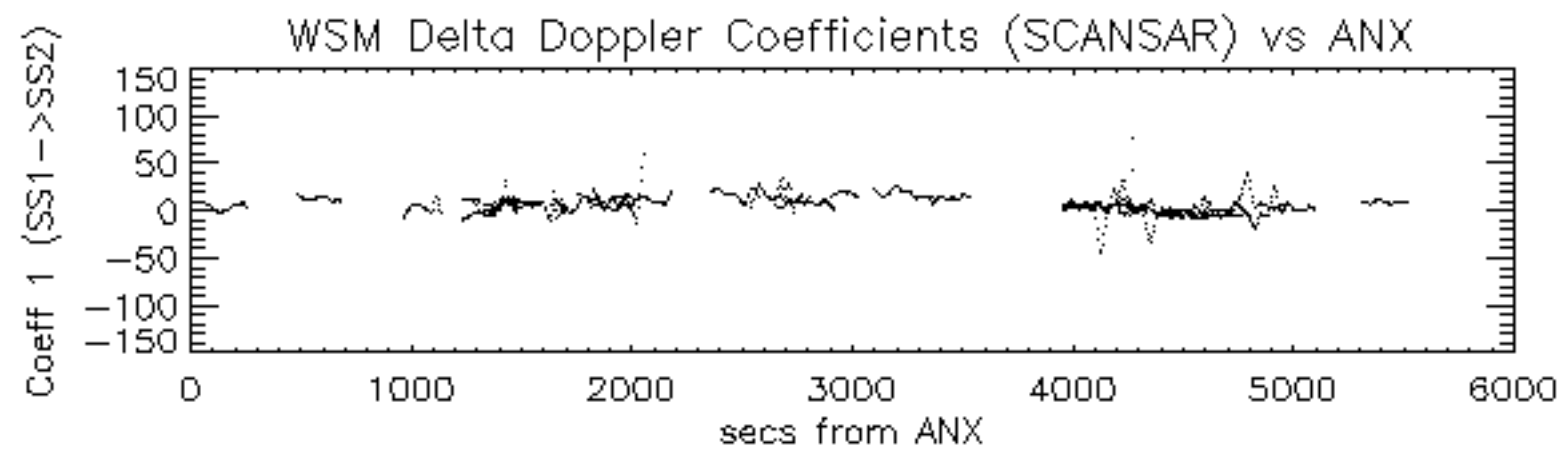


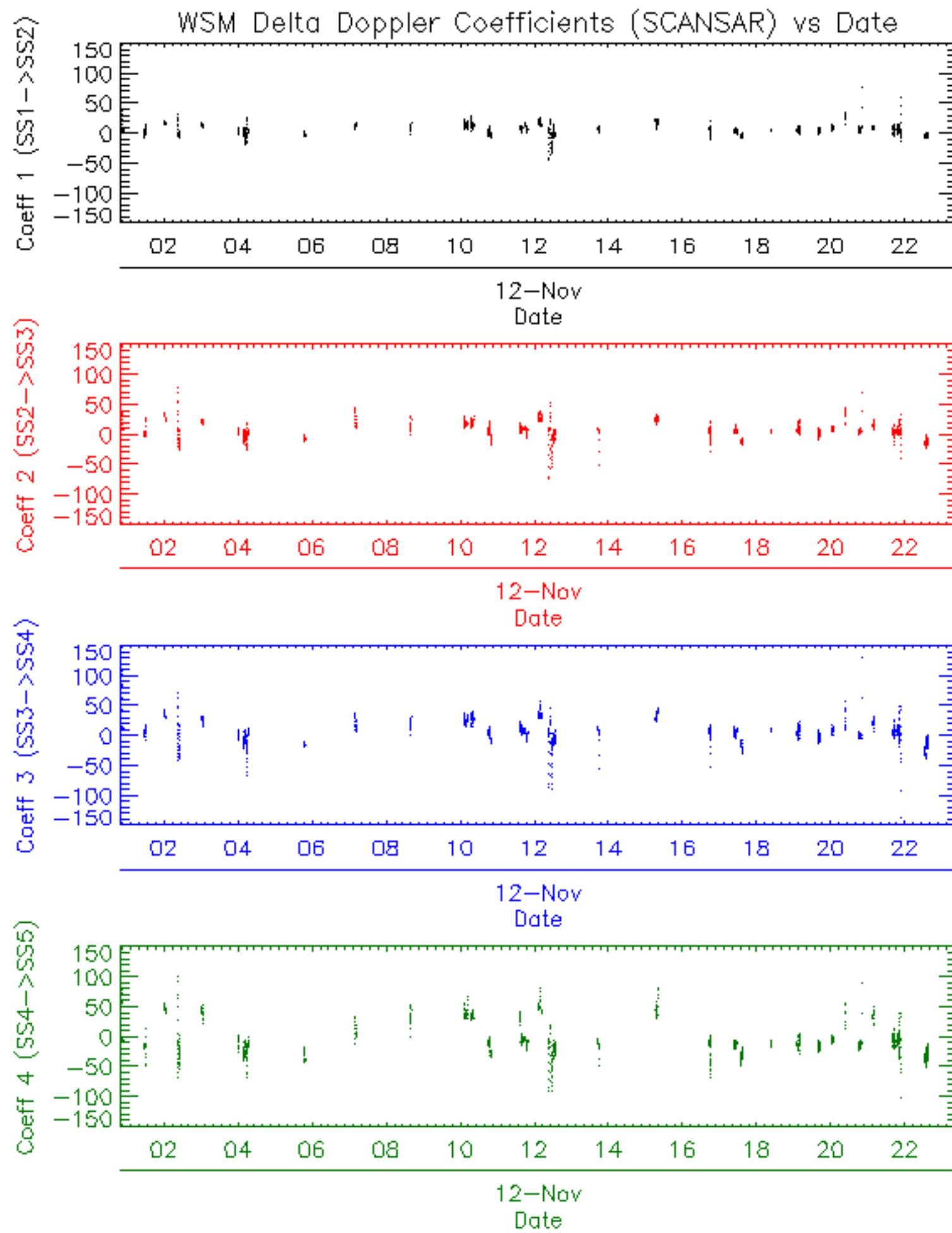






















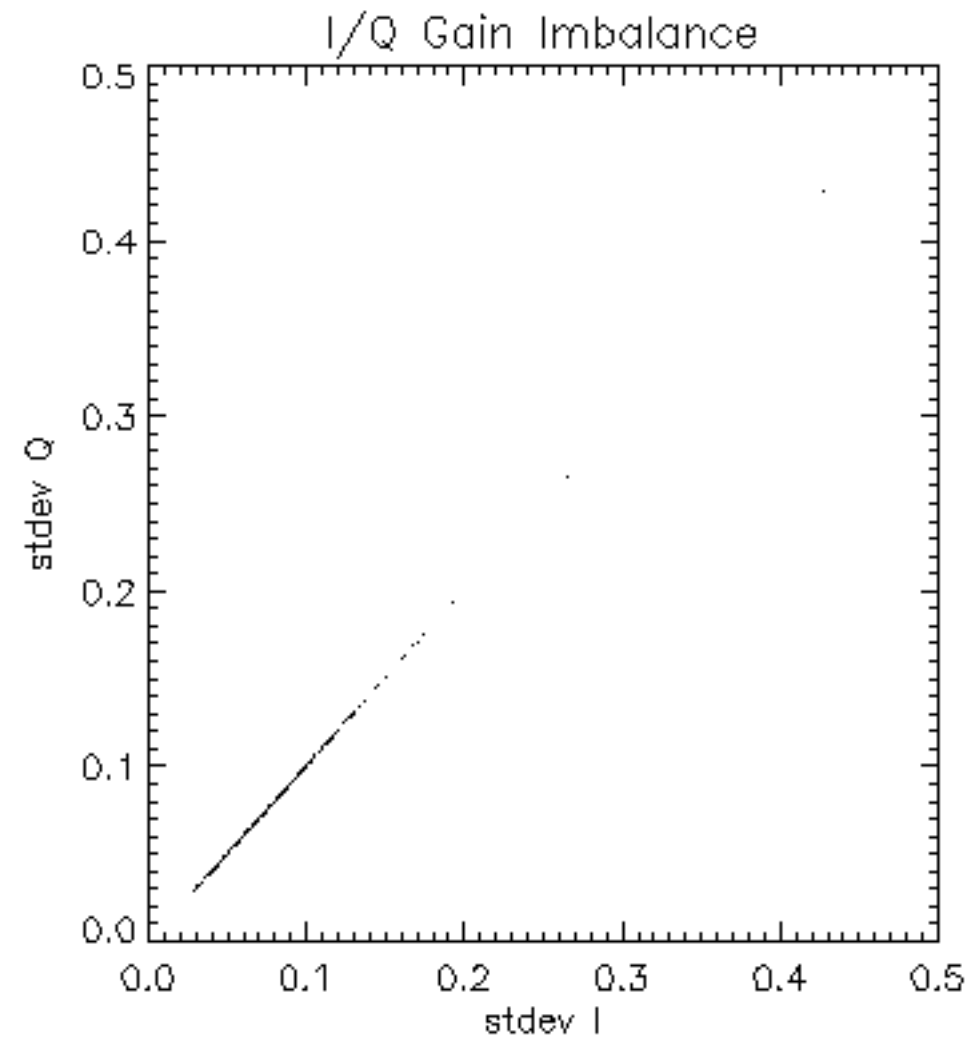


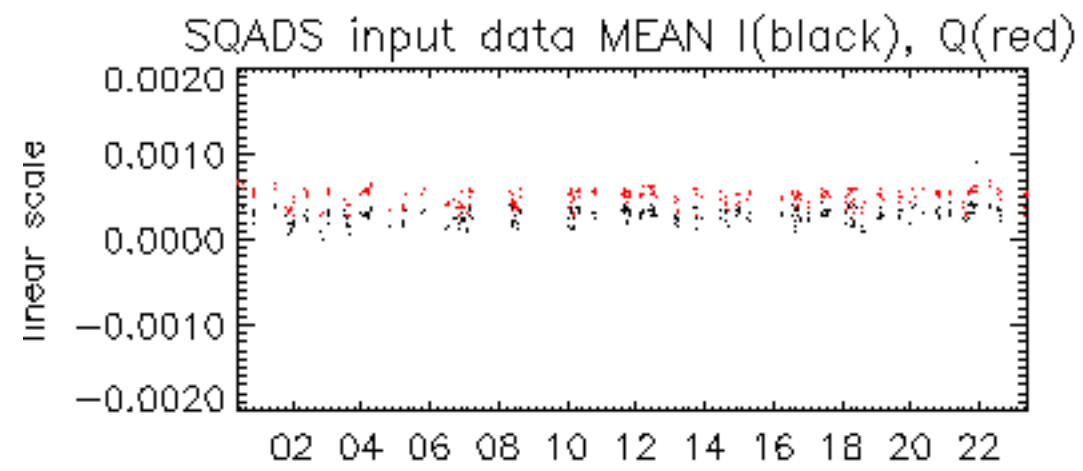




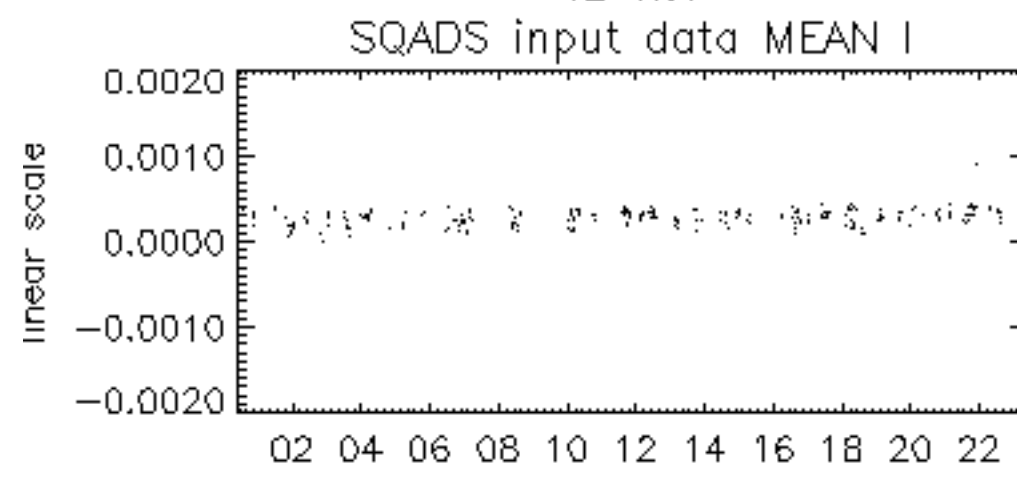




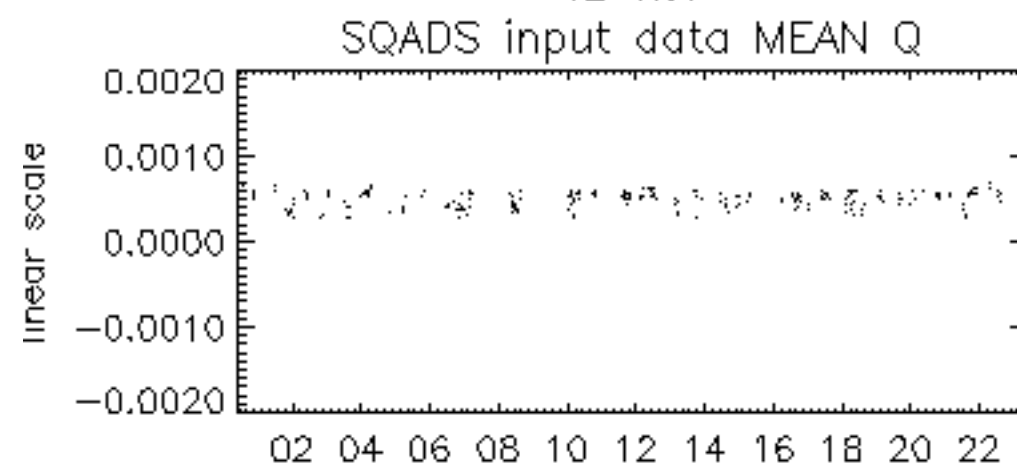




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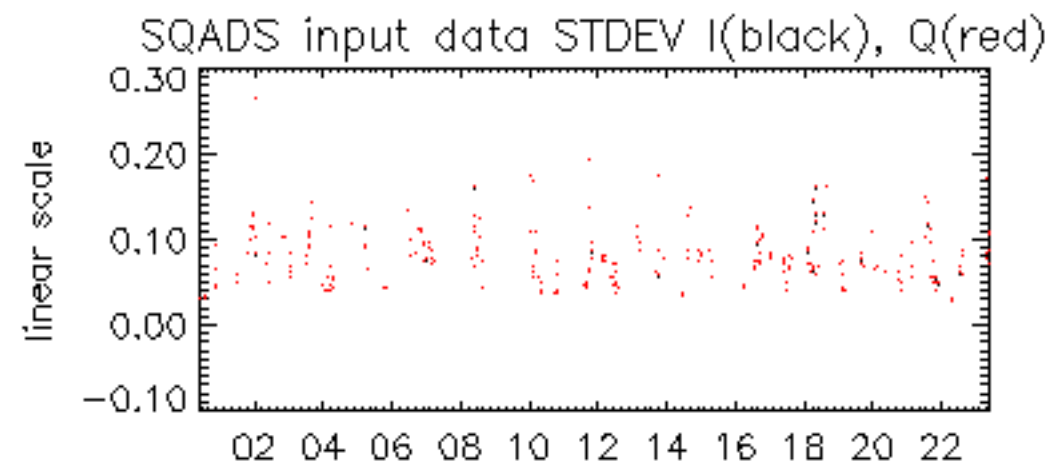


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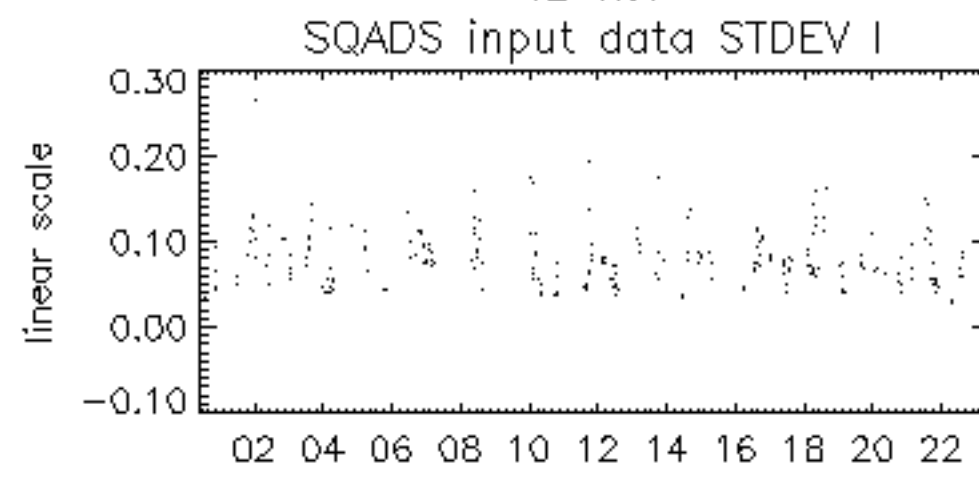


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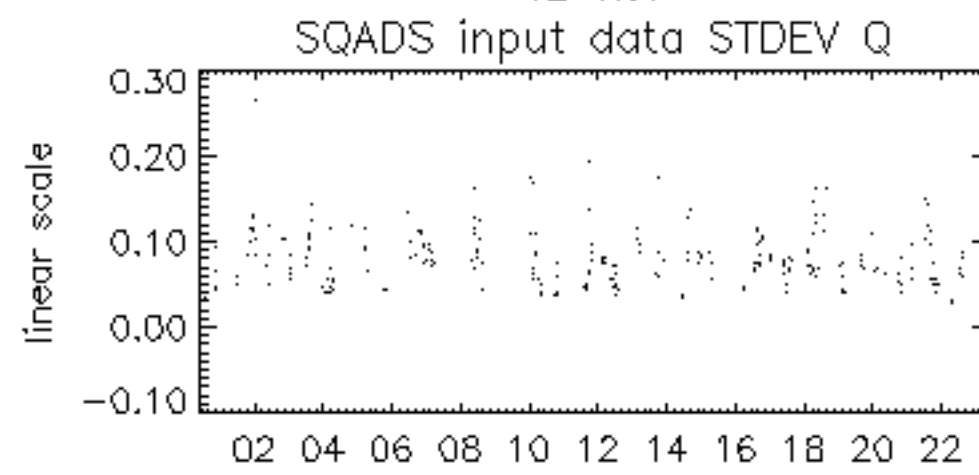




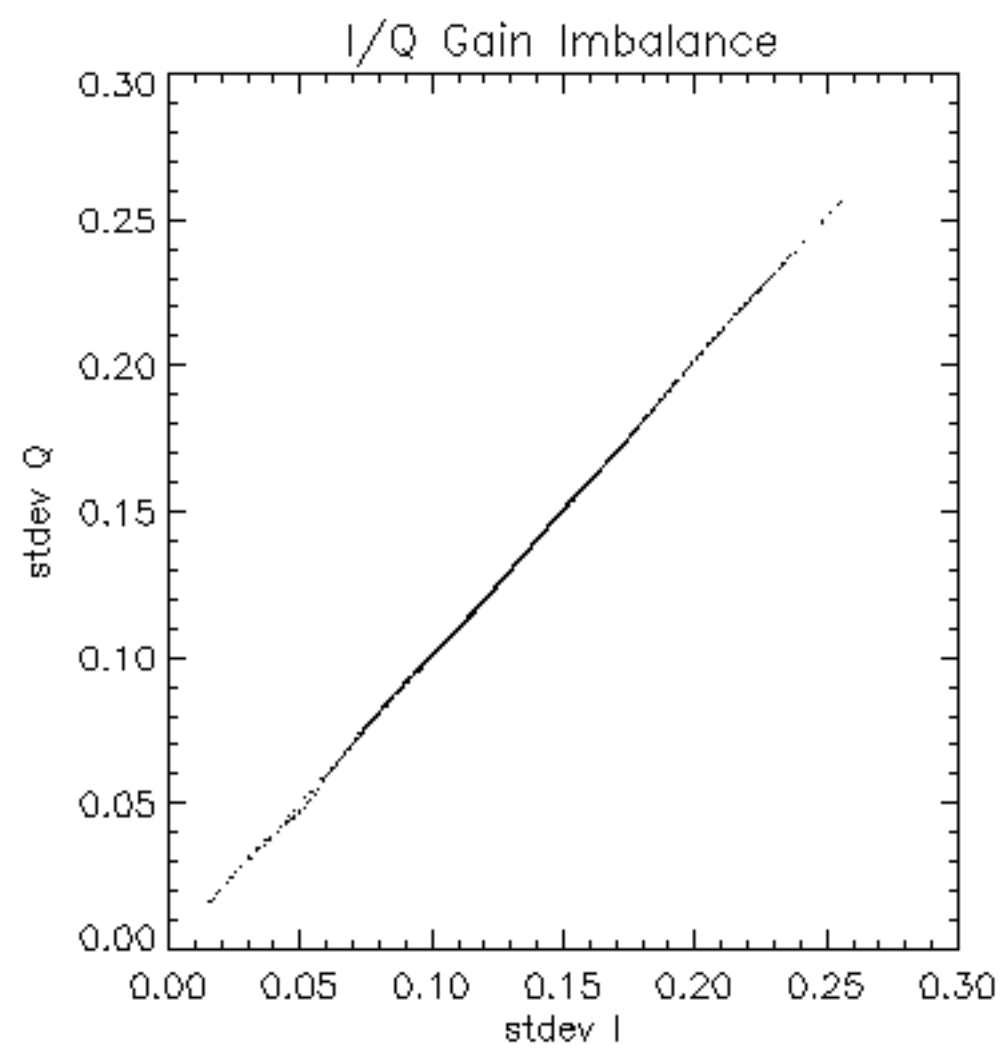
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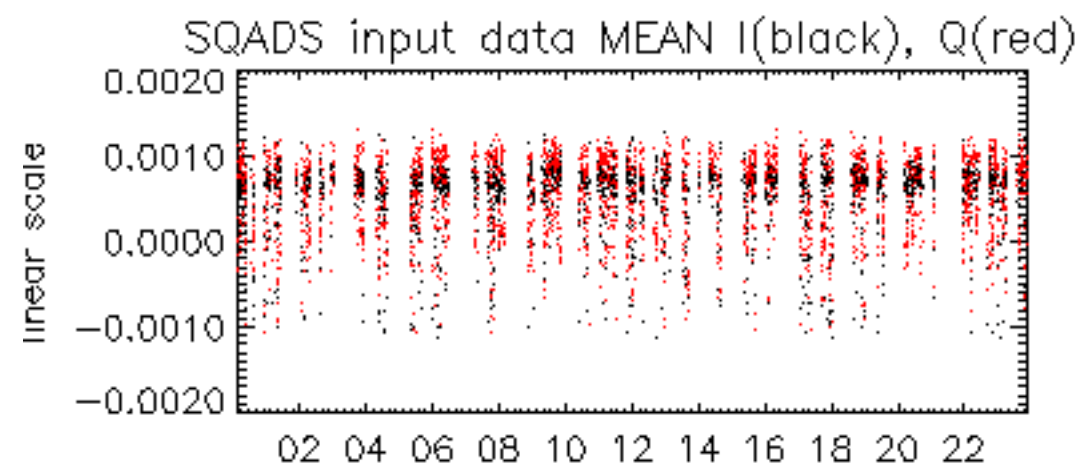


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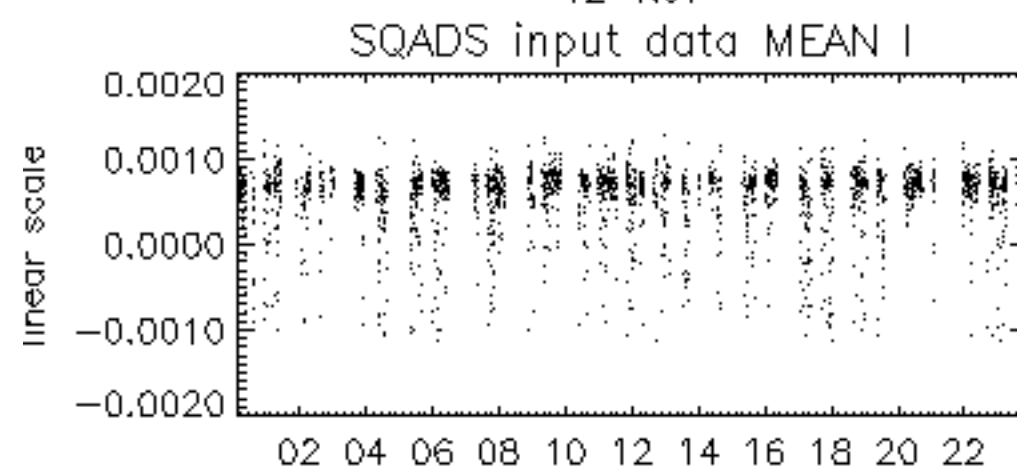


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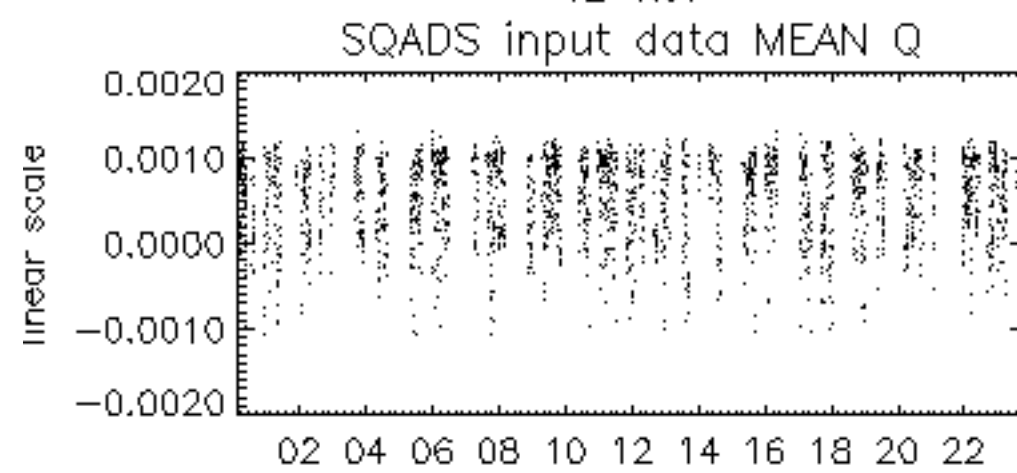




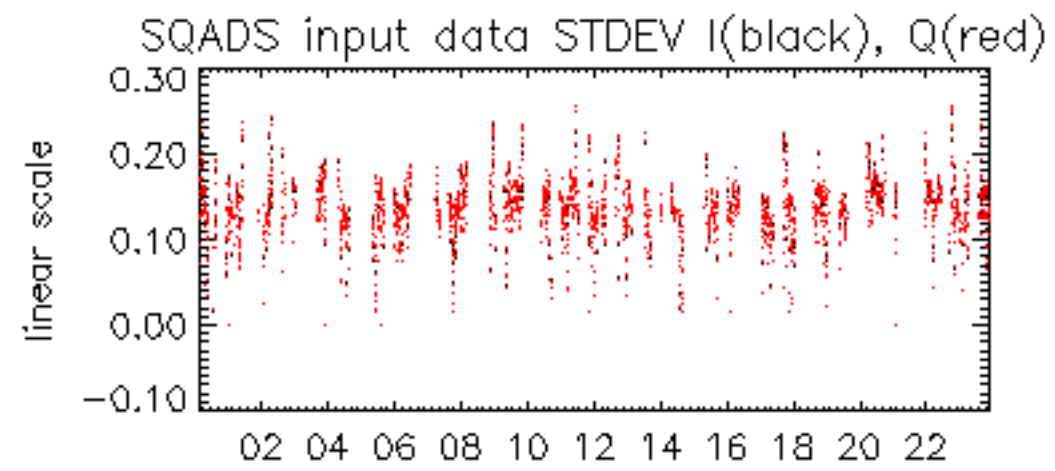
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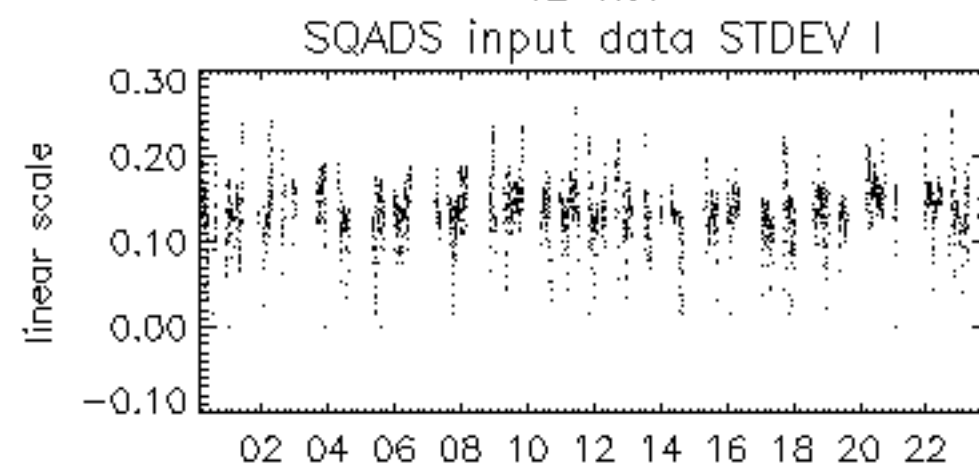
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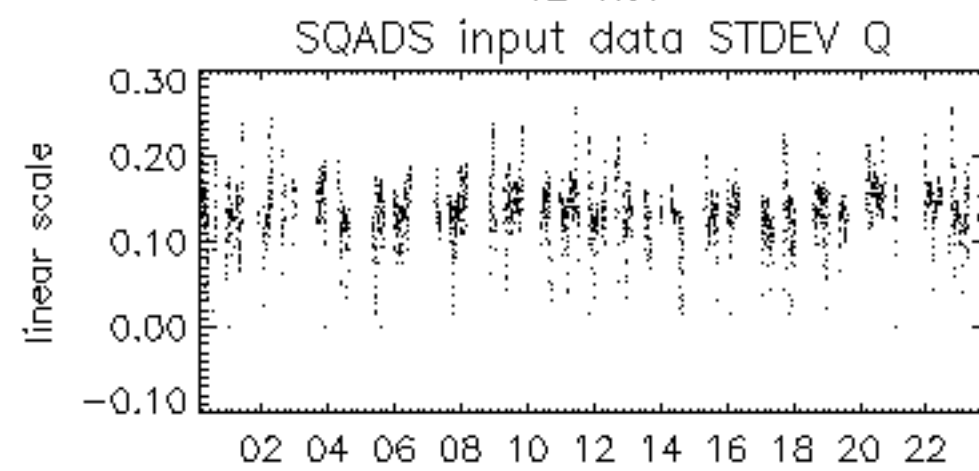
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