



Analysis from 21-OCT-2009 00:00:00 to 21-OCT-2009 23:59:59. Page generated on 22-OCT-2009 07:32:50.  
View log file: ASAR\_Daily\_Report\_20091022\_0731.log. For any anomalies please contact emma.griffiths@vega.co.uk.

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	3	PDE	WS	H/H	28	PDE	IS2	H/H	1	PDE	IS2	H/H	2	PDE	WS	H/H	42	PDK	2009-10-21 07:38:26	V	320
PDE	IS2	V/V	26	PDK	WS	H/H	45	PDE	IS6	H/H	1	PDE	IS2	V/V	6	PDE	WS	V/V	8				
PDK	IS2	V/V	24									PDE	IS4	V/V	1	PDK	WS	H/H	11				
												PDE	IS6	V/V	1	PDK	WS	V/V	5				
												PDE	IS7	H/H	1								
												PDK	IS1	V/V	1								
												PDK	IS2	H/H	3								

## 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_AXVIEC20081215_141339_20070204_165113_20091231_000000
ASA_INS_AXVIEC20090525_114808_20090428_100000_20091231_235959
ASA_XCH_AXVIEC20081215_143642_20020301_000000_20091231_000000
ASA_XCA_AXVIEC20090311_104501_20080801_000000_20091231_235959

### 2.2 - Products with wrong ADFs

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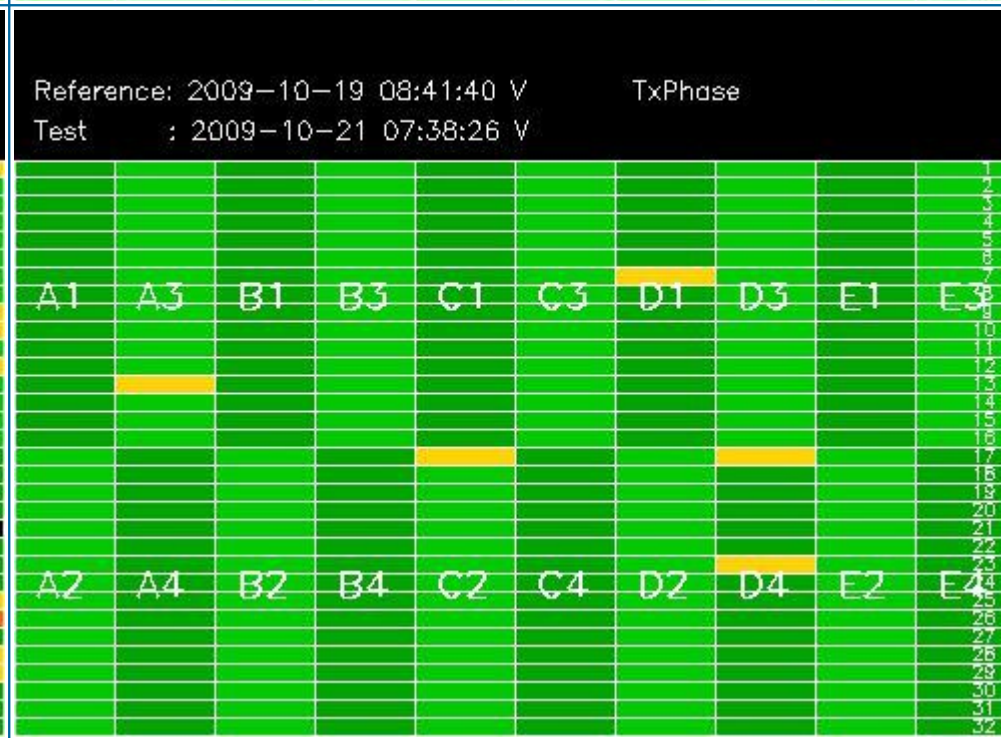
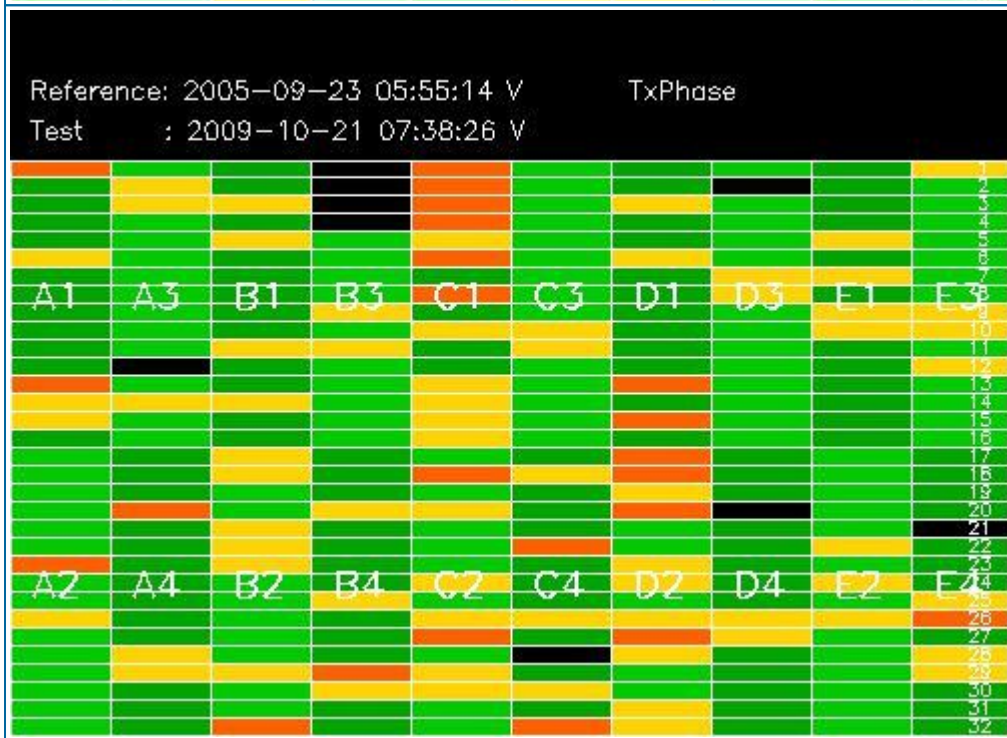
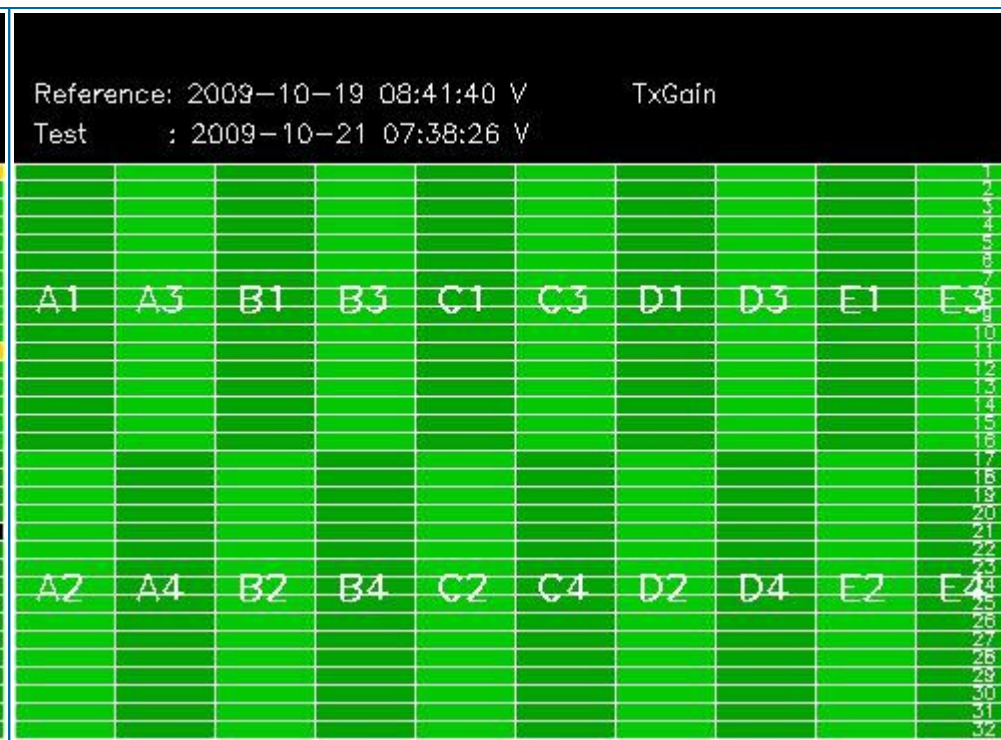
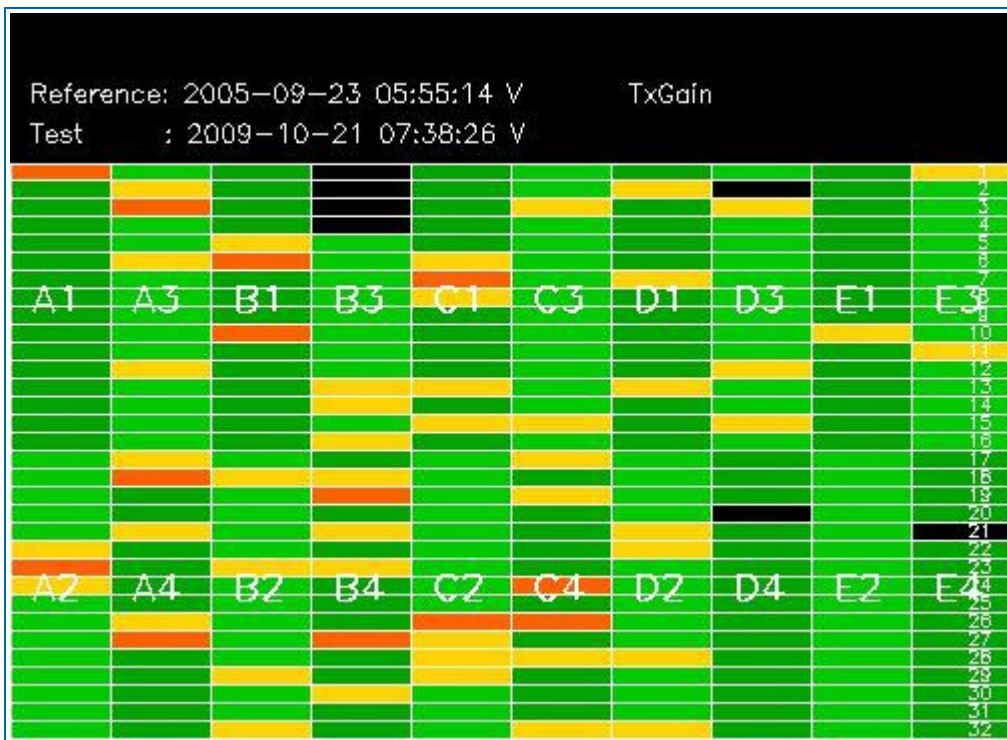
Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

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

### 3 - MODULE STEPPING PRODUCTS ANALYSIS





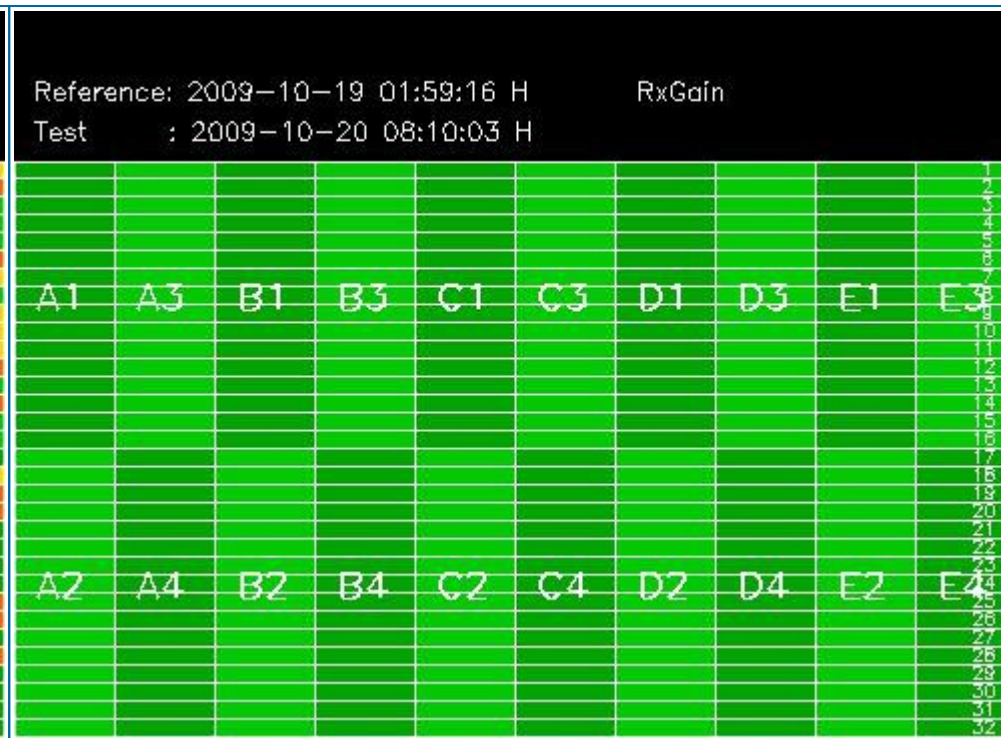


### 3.2 - H/H polarisation

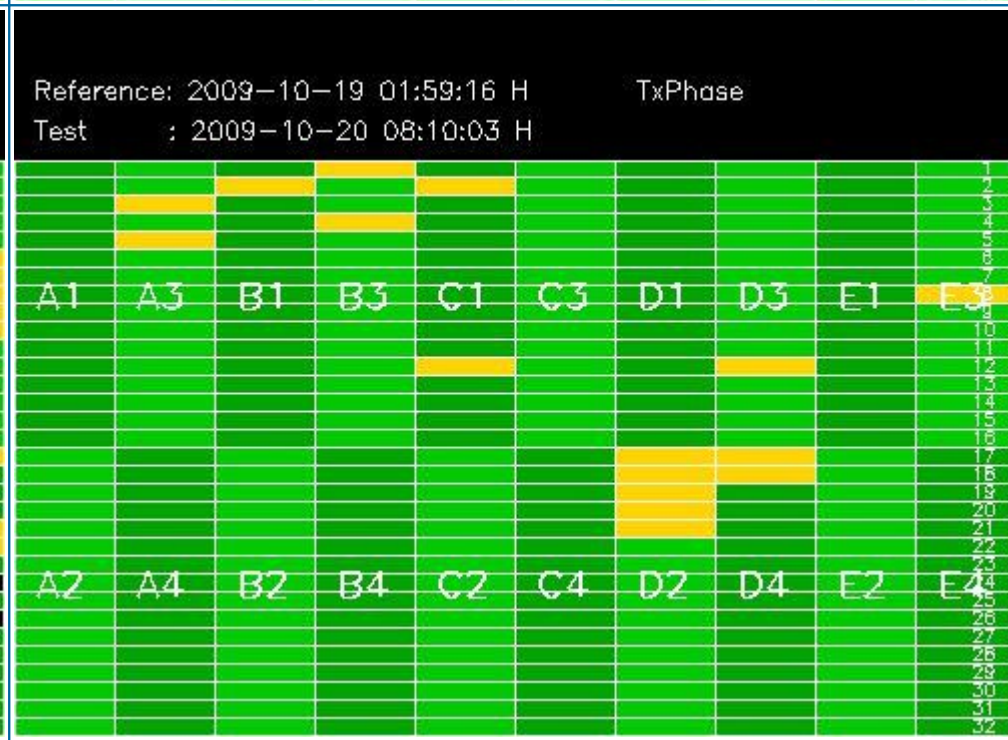
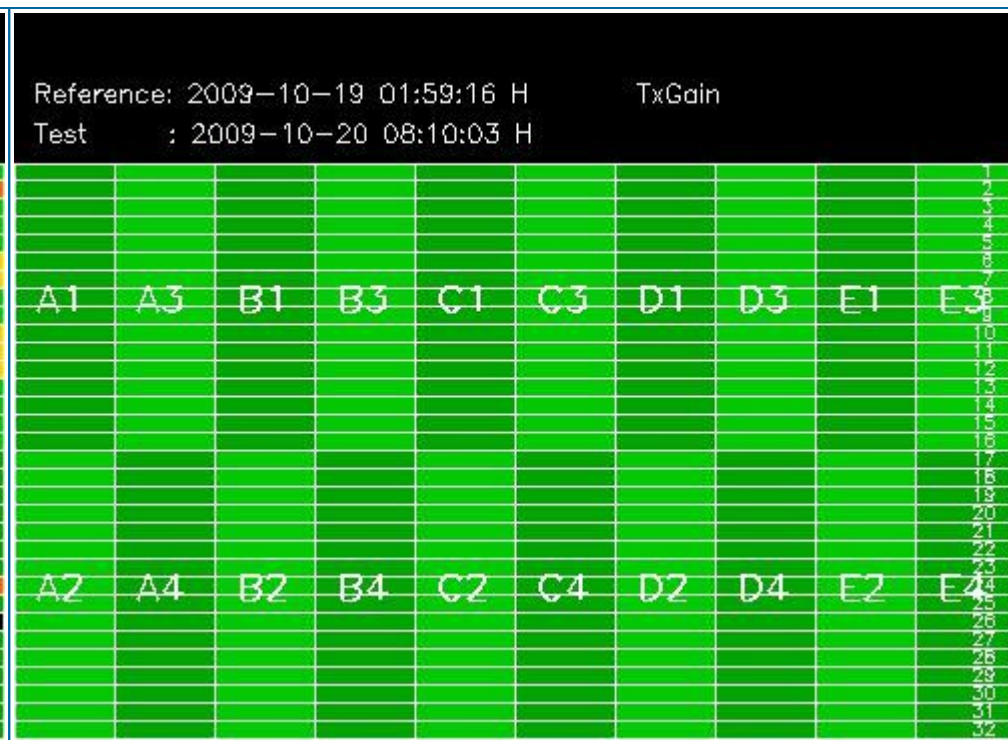
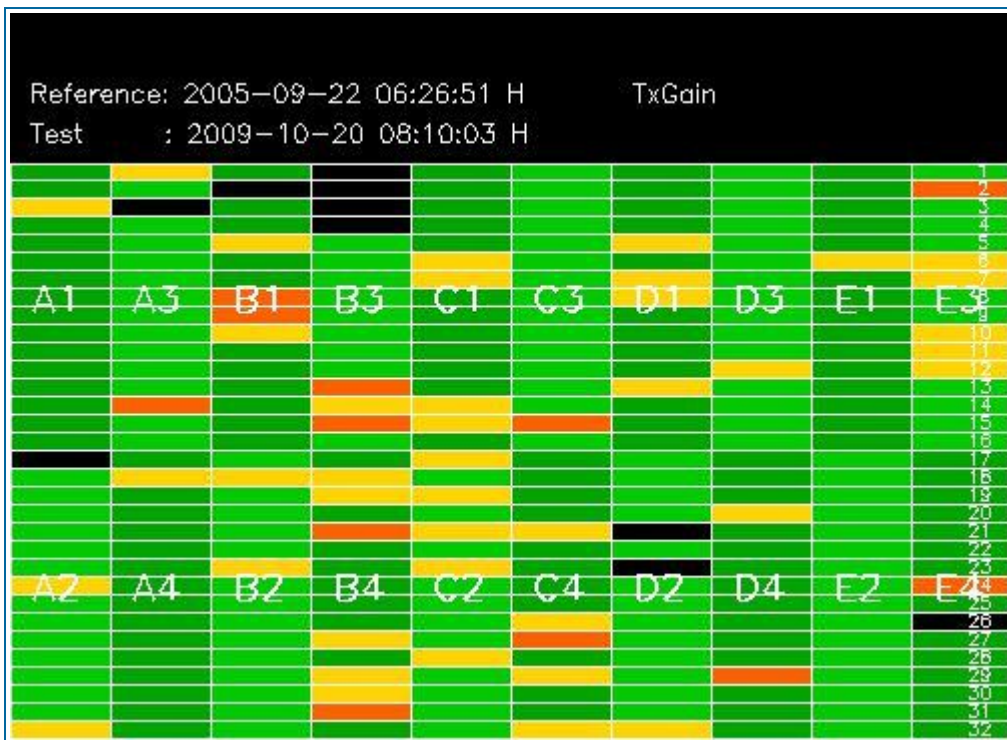
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SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
After antenna maintenance (2005-09-22/23)	Previous product in the same polarisation









#### 4 - CALIBRATION PULSES ANALYSIS

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

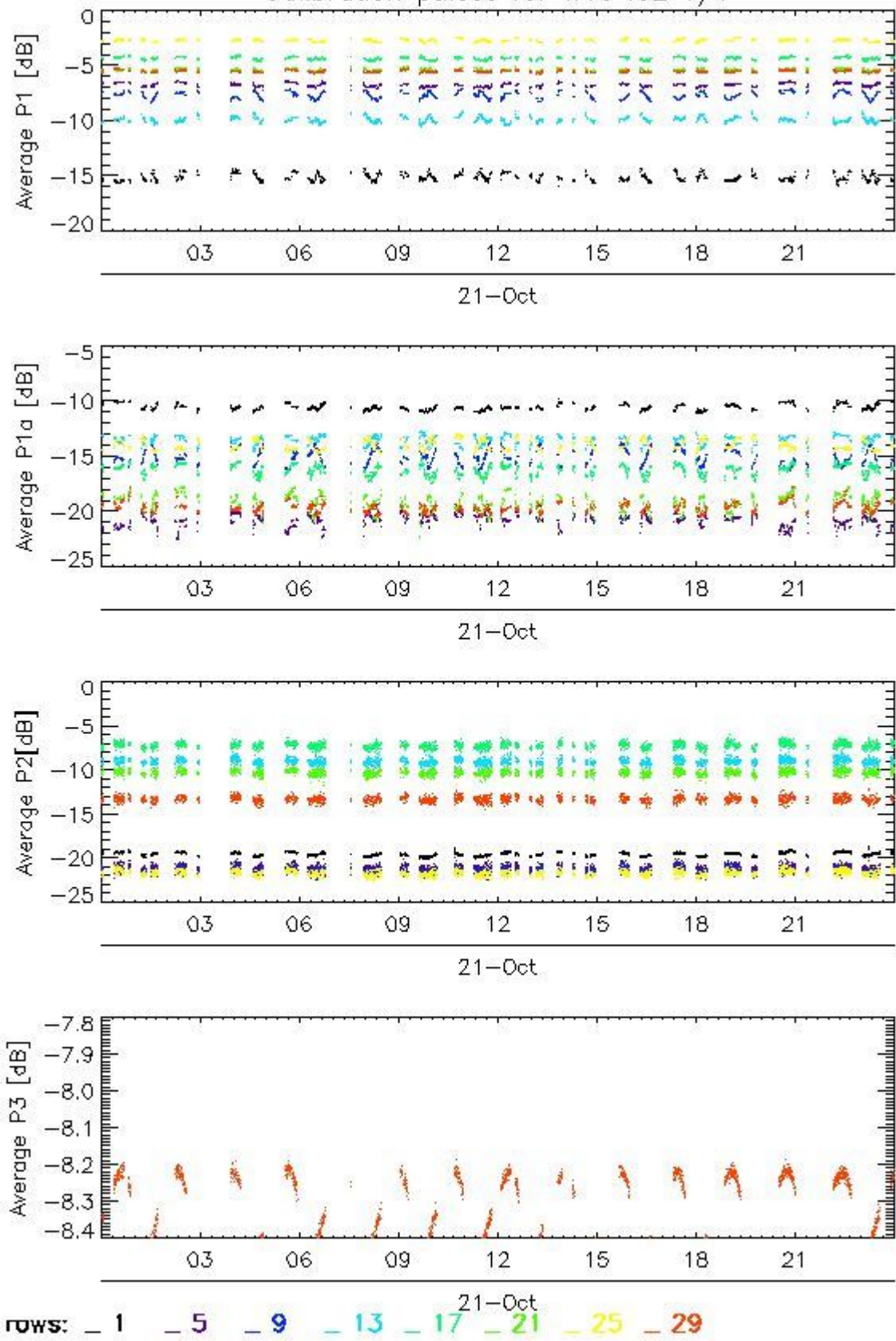
##### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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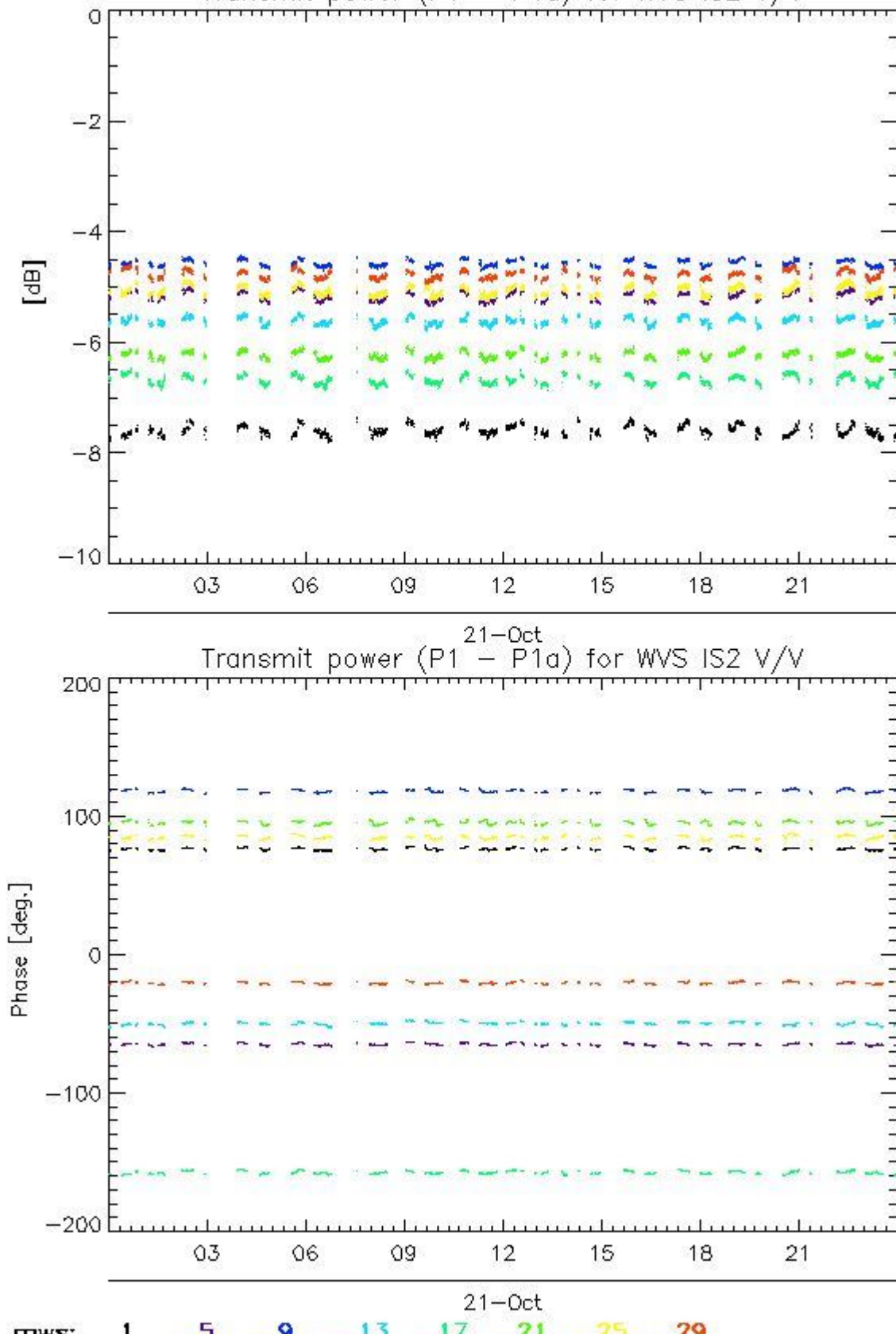
<p>Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]</p>	<p>Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]</p>
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Calibration pulses for WVS IS2 V/V



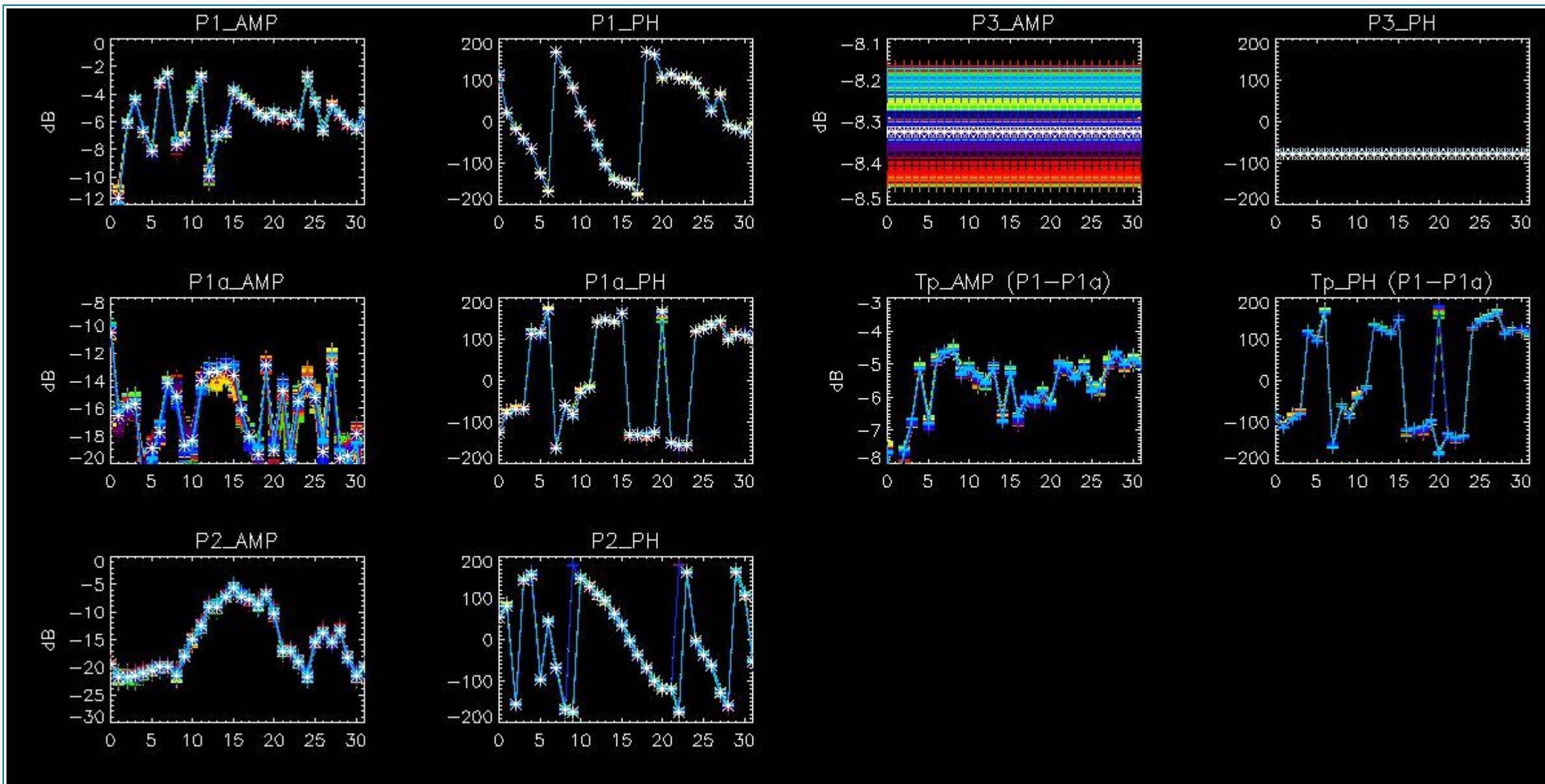
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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## 4.2 - Analysis for GM1 SS3 H/H

### 4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

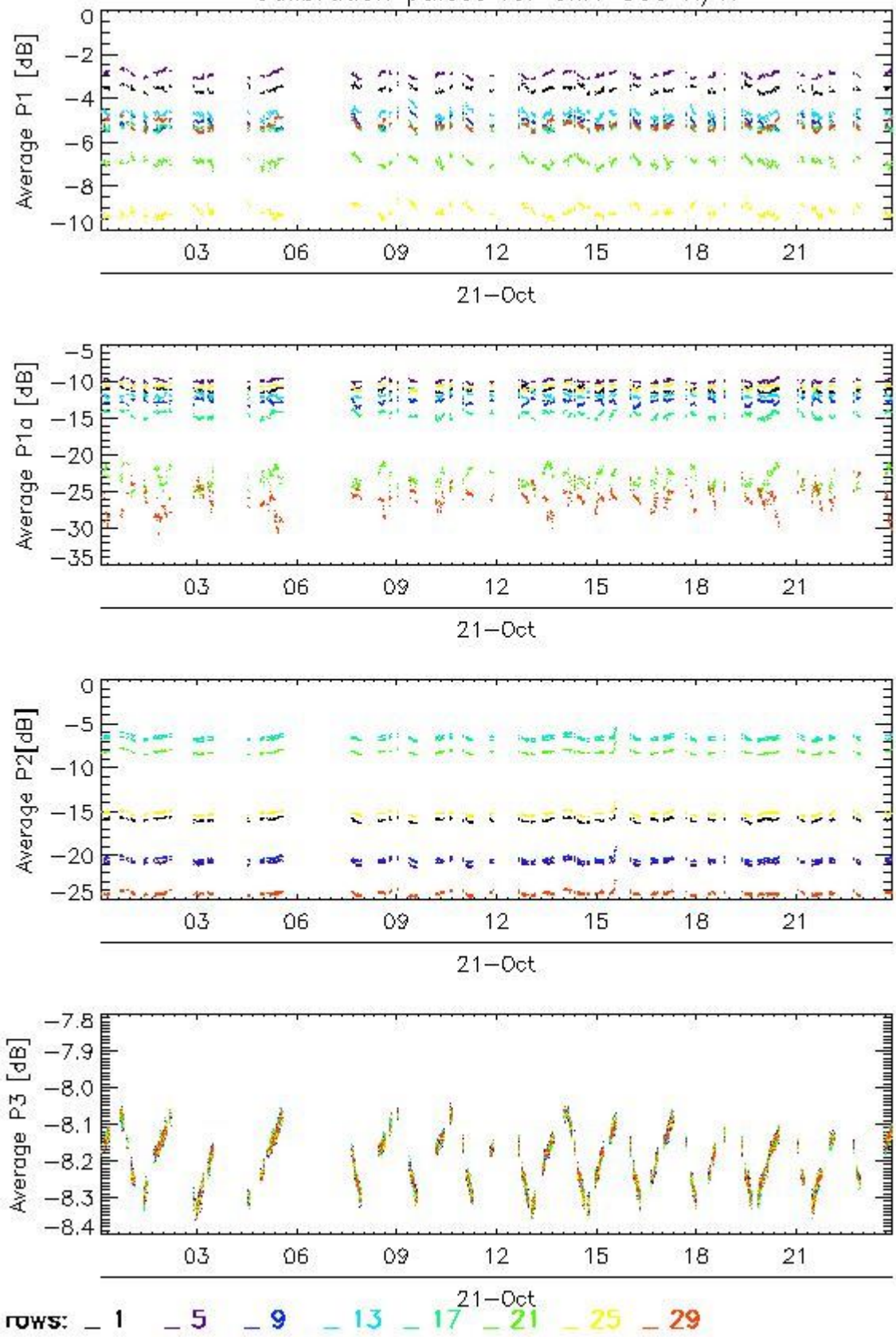
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

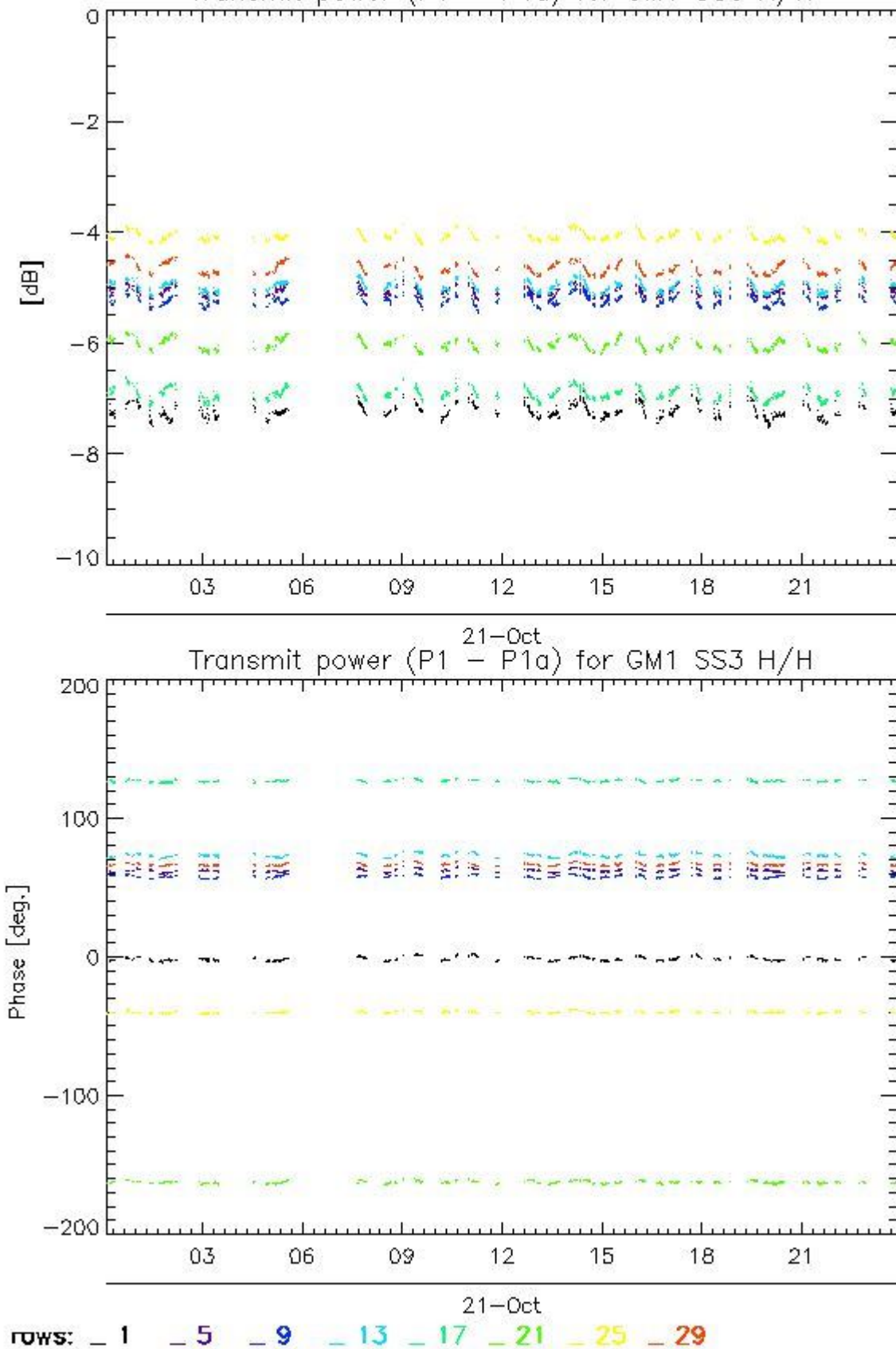
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



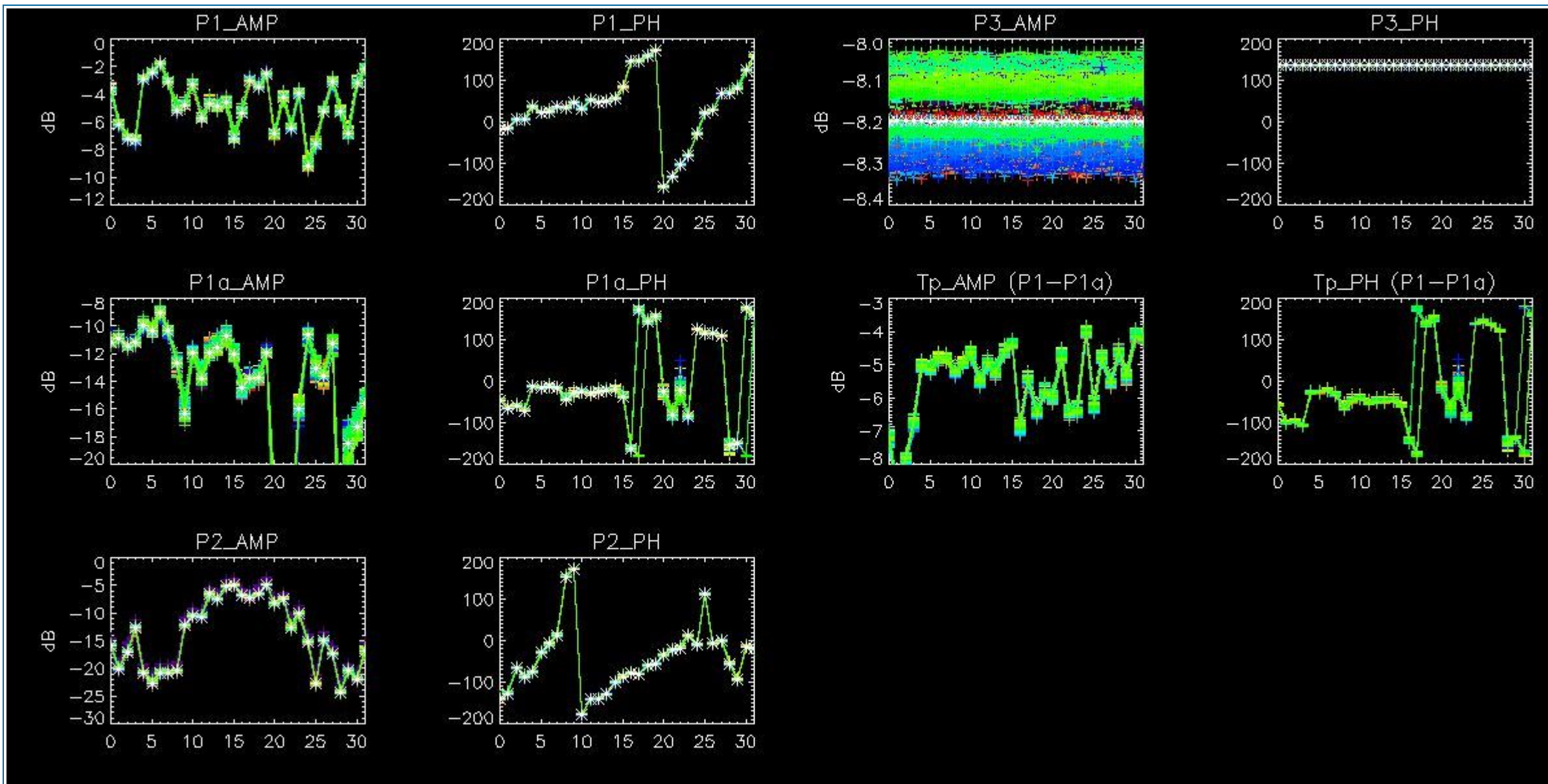
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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## 5 - DOPPLER ANALYSIS

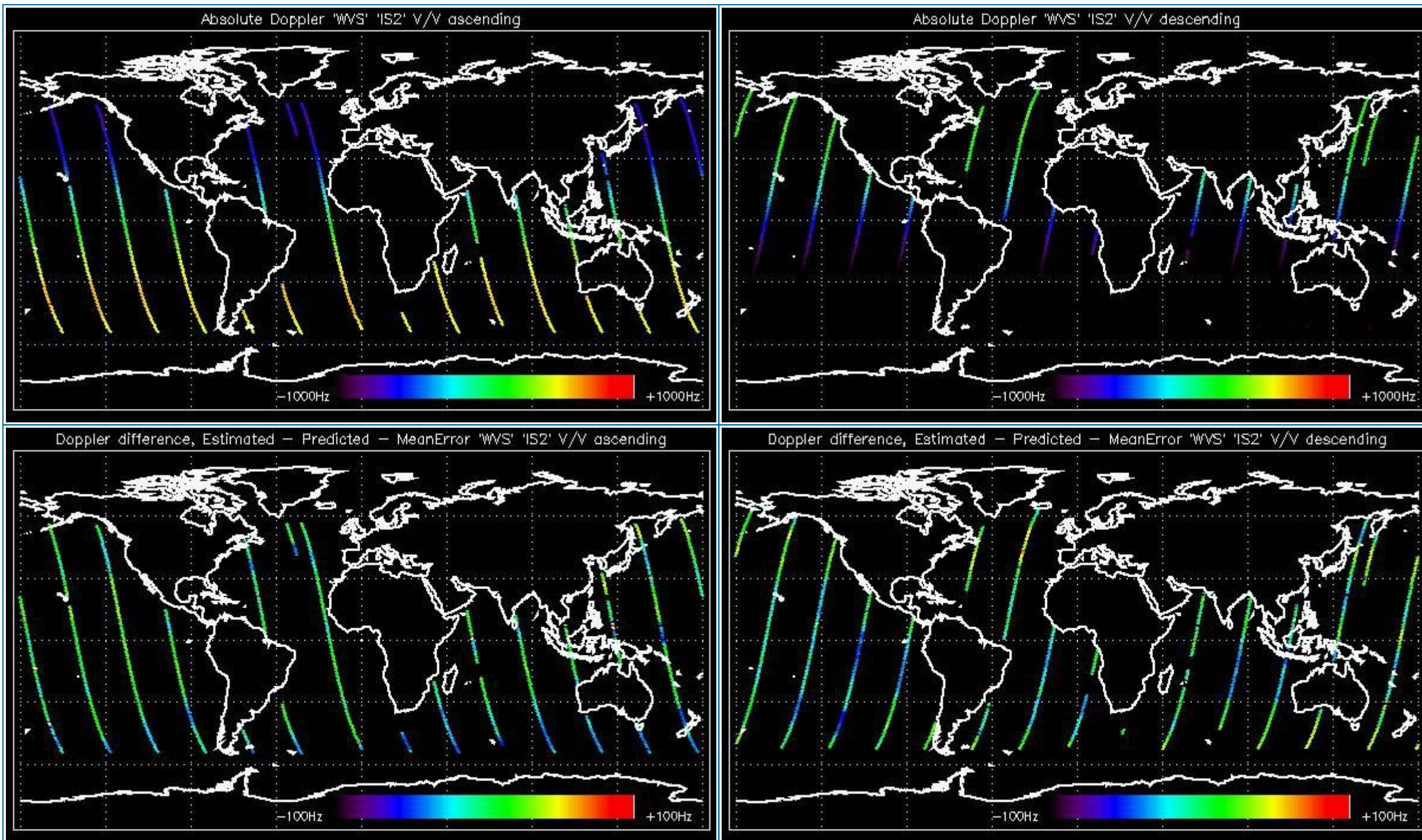
### 5.1 - Analysis for WVS IS2 V/V

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

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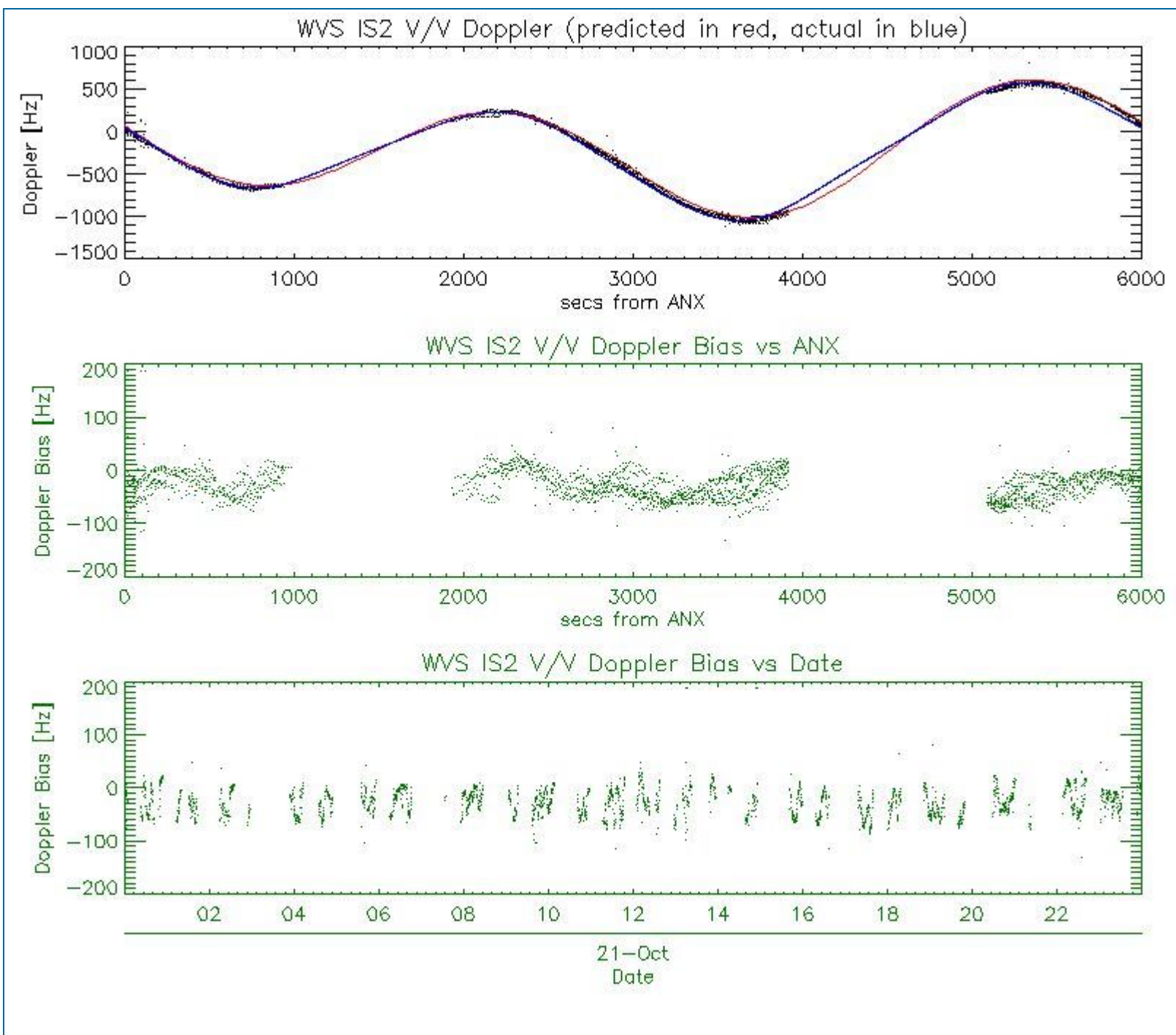




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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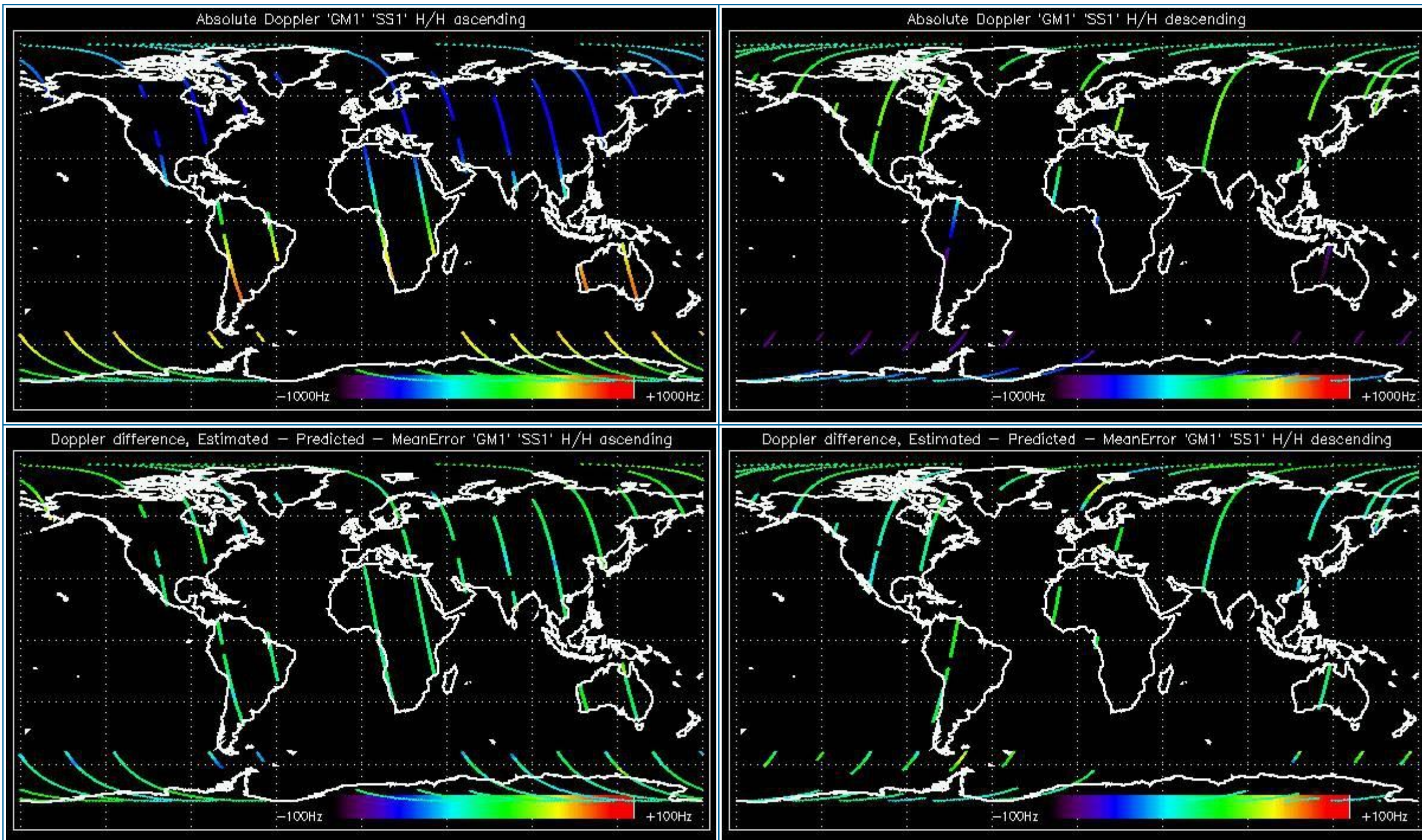
## 5.2 - Analysis for GM1 SS1 H/H

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

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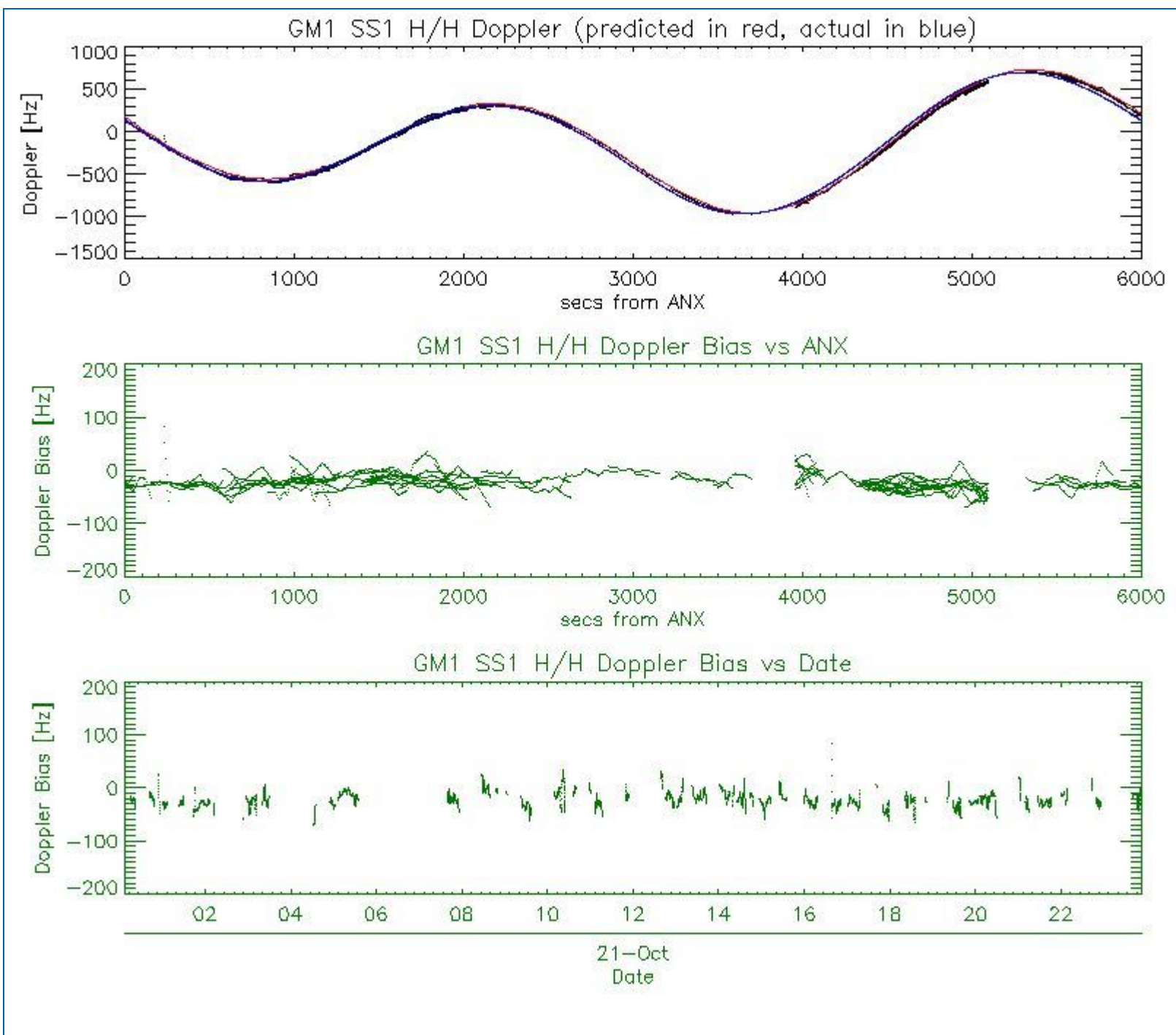




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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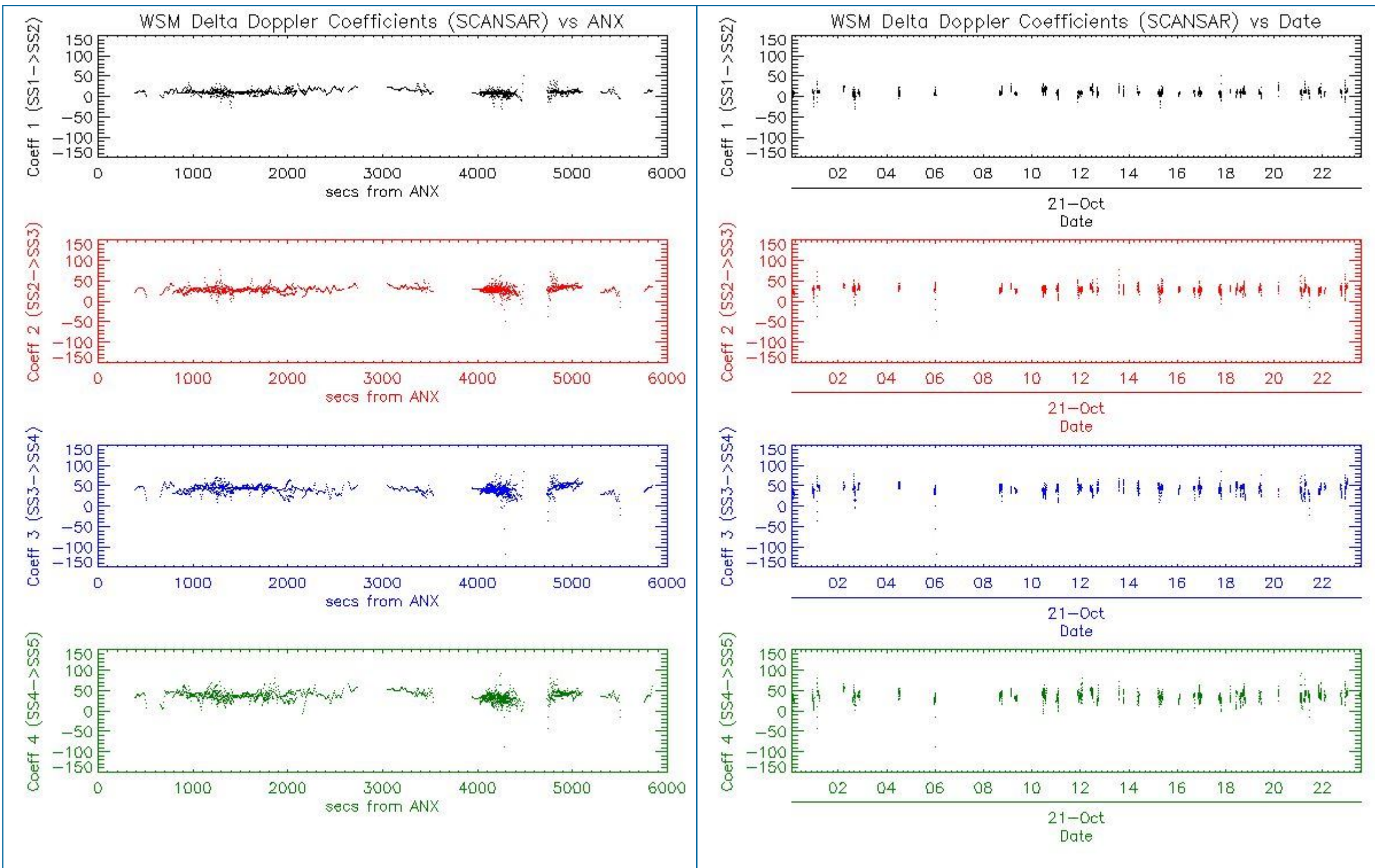


### 5.3 - Doppler JUMPS Analysis for WSM

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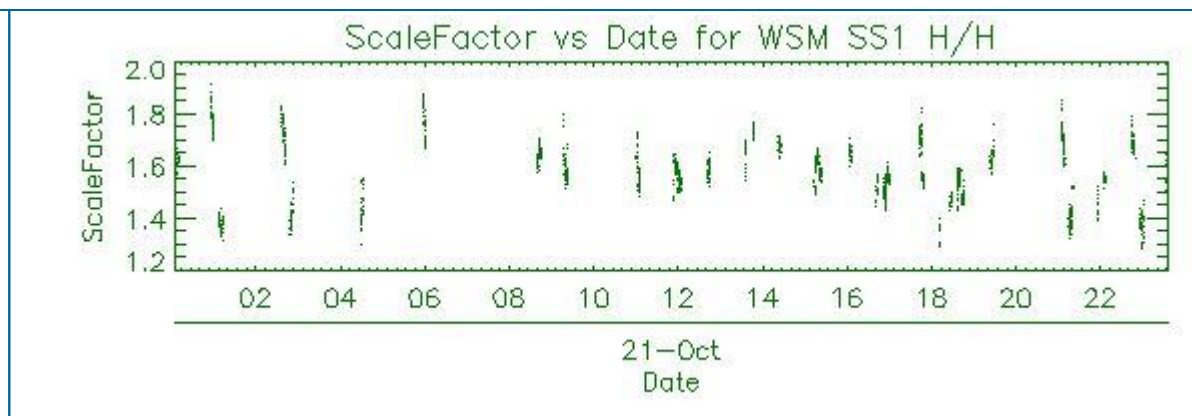
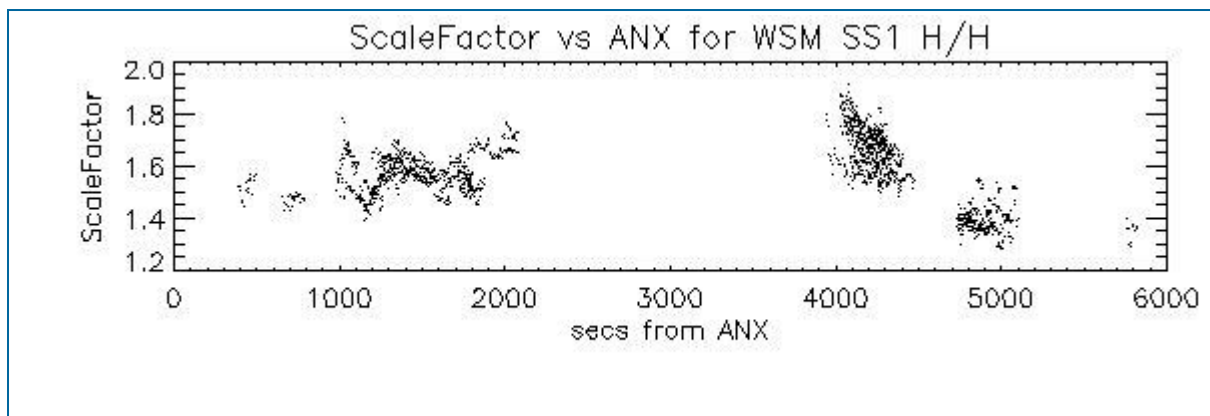
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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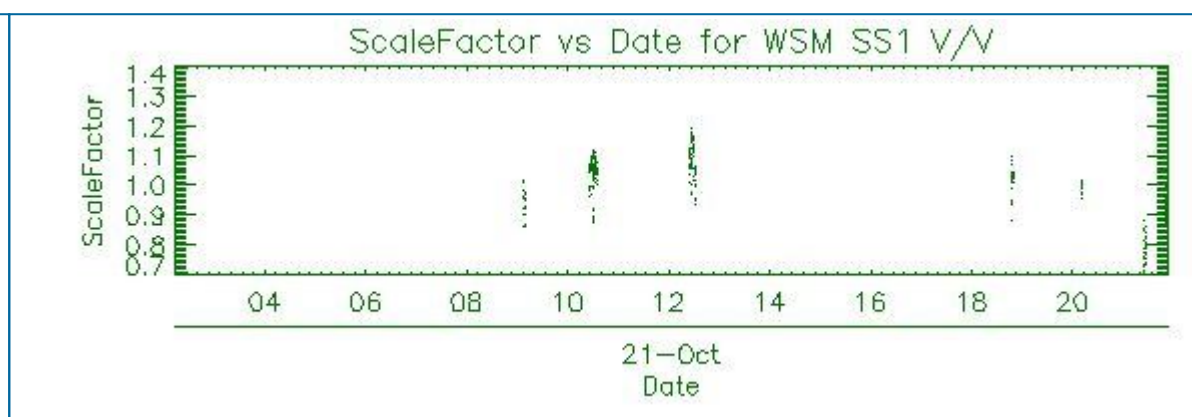
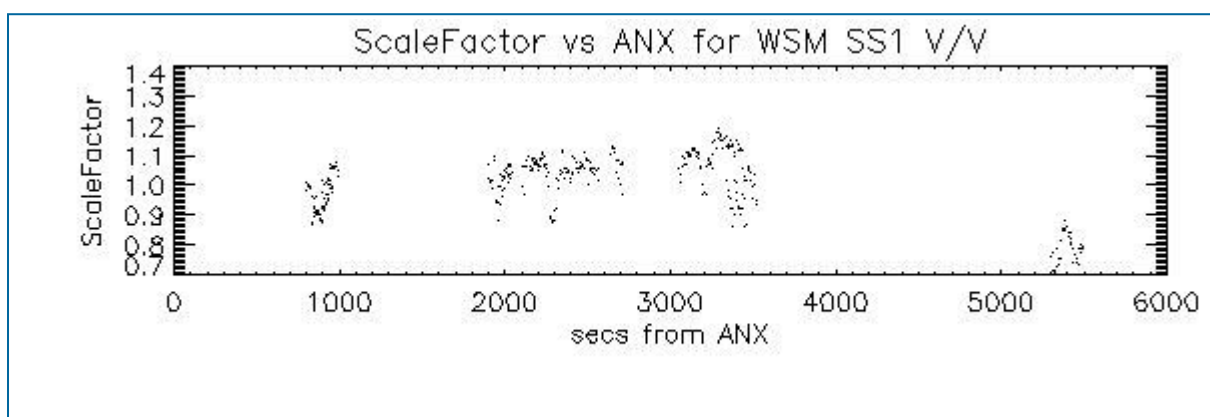




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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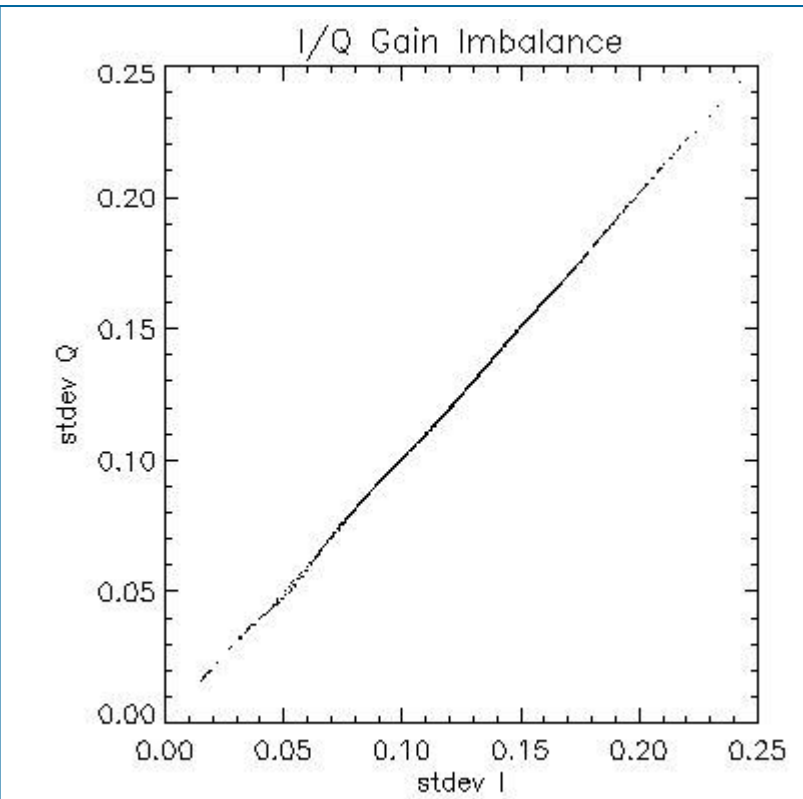
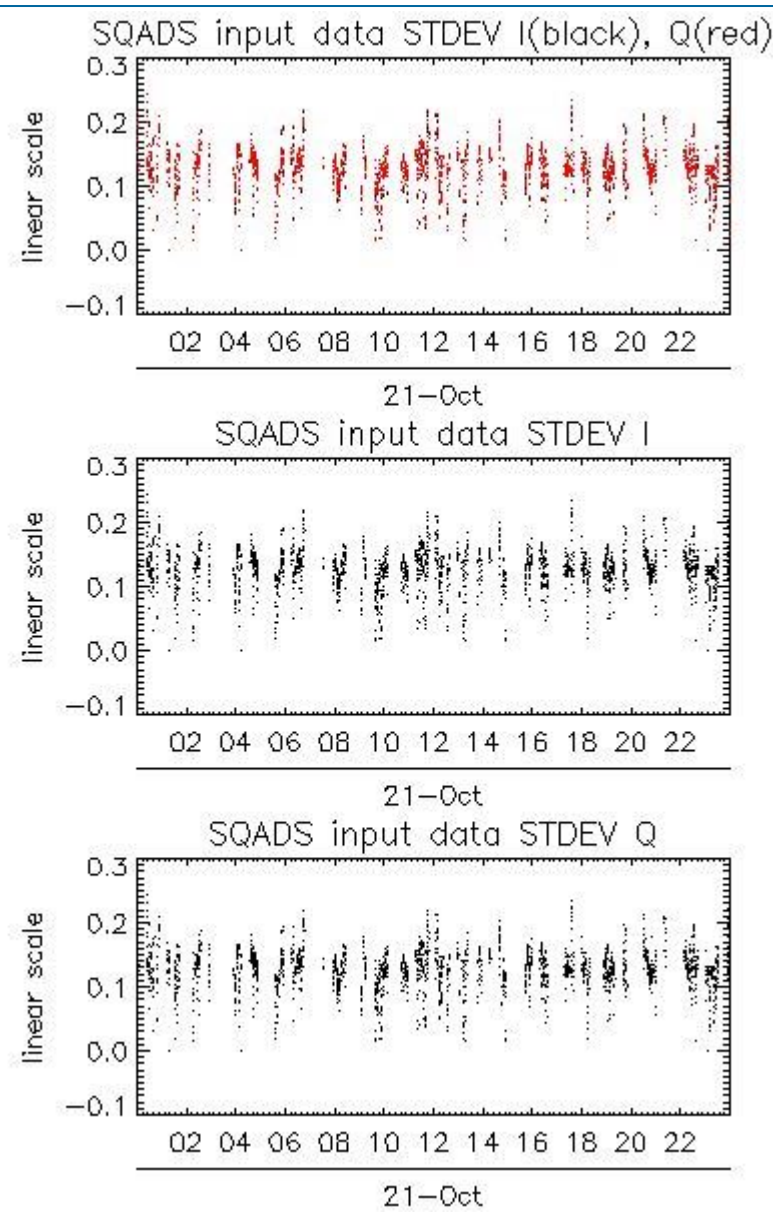
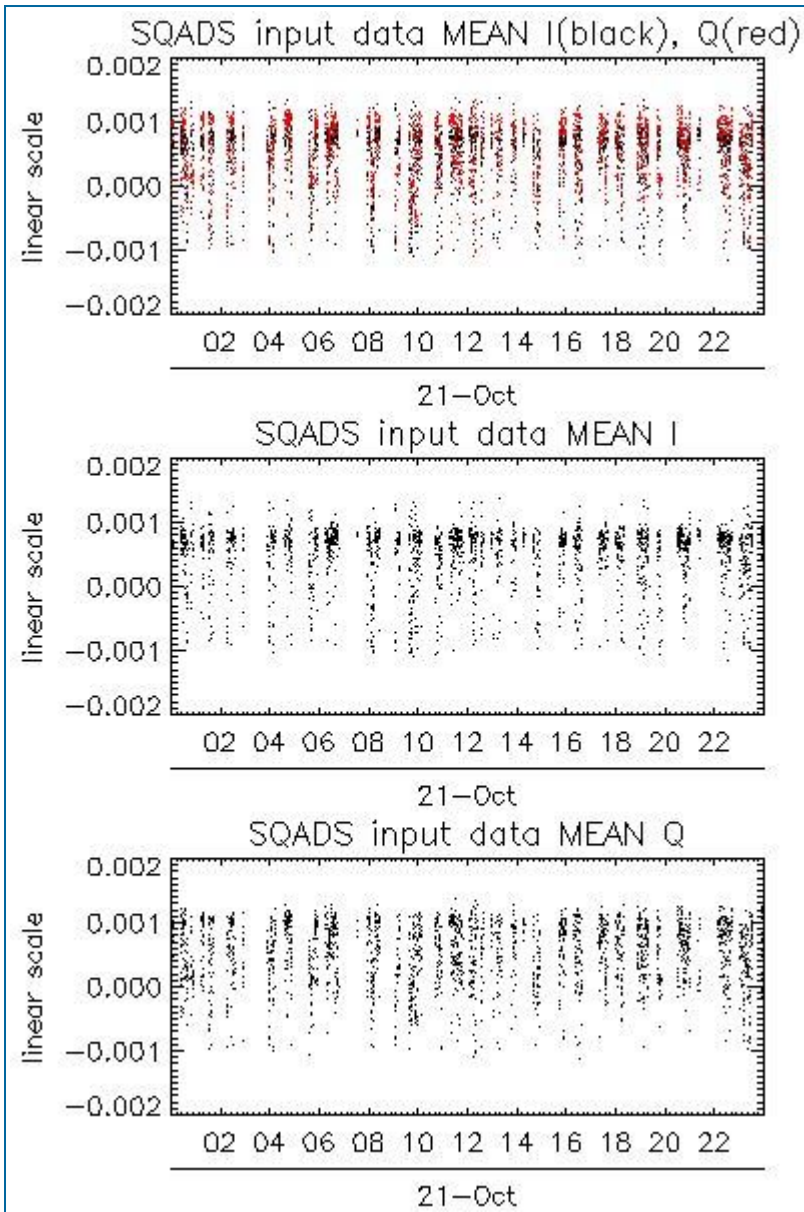
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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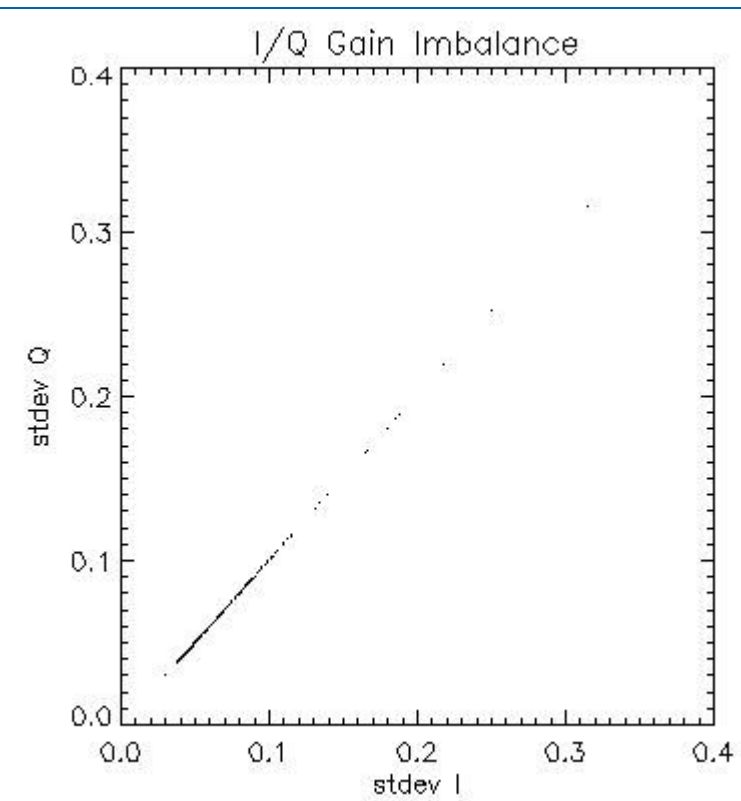
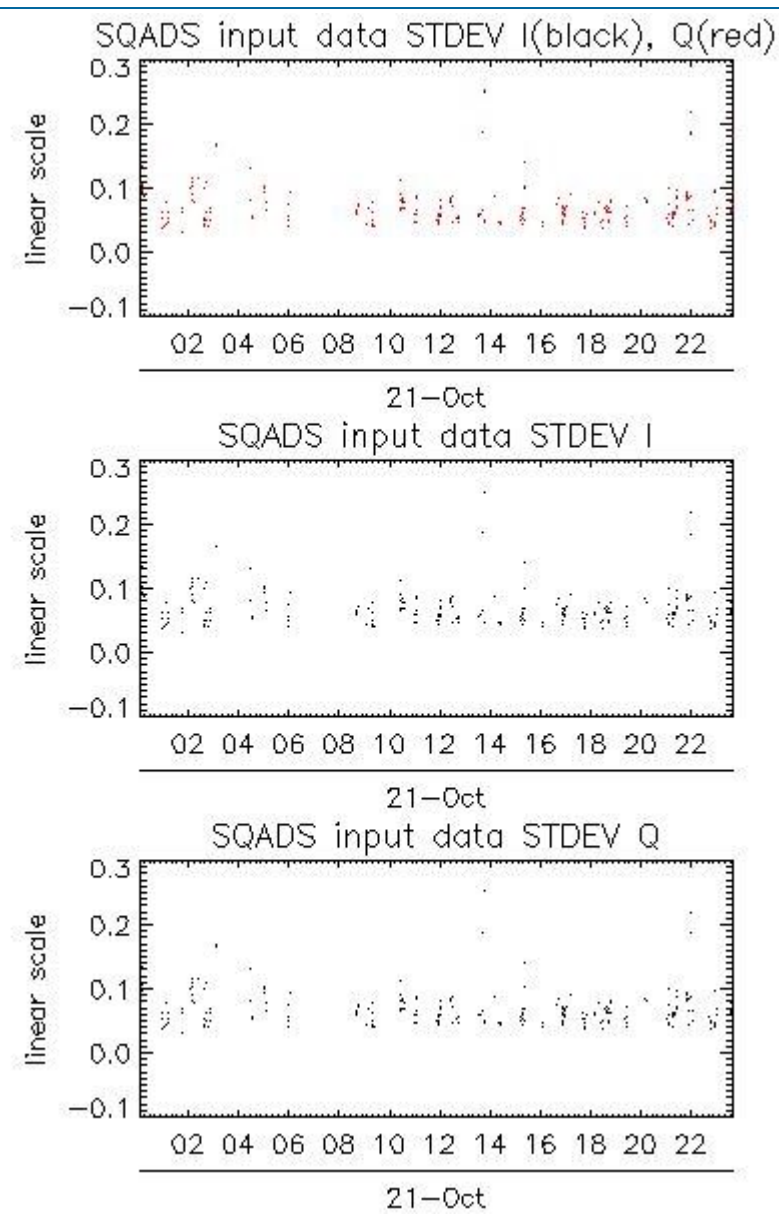
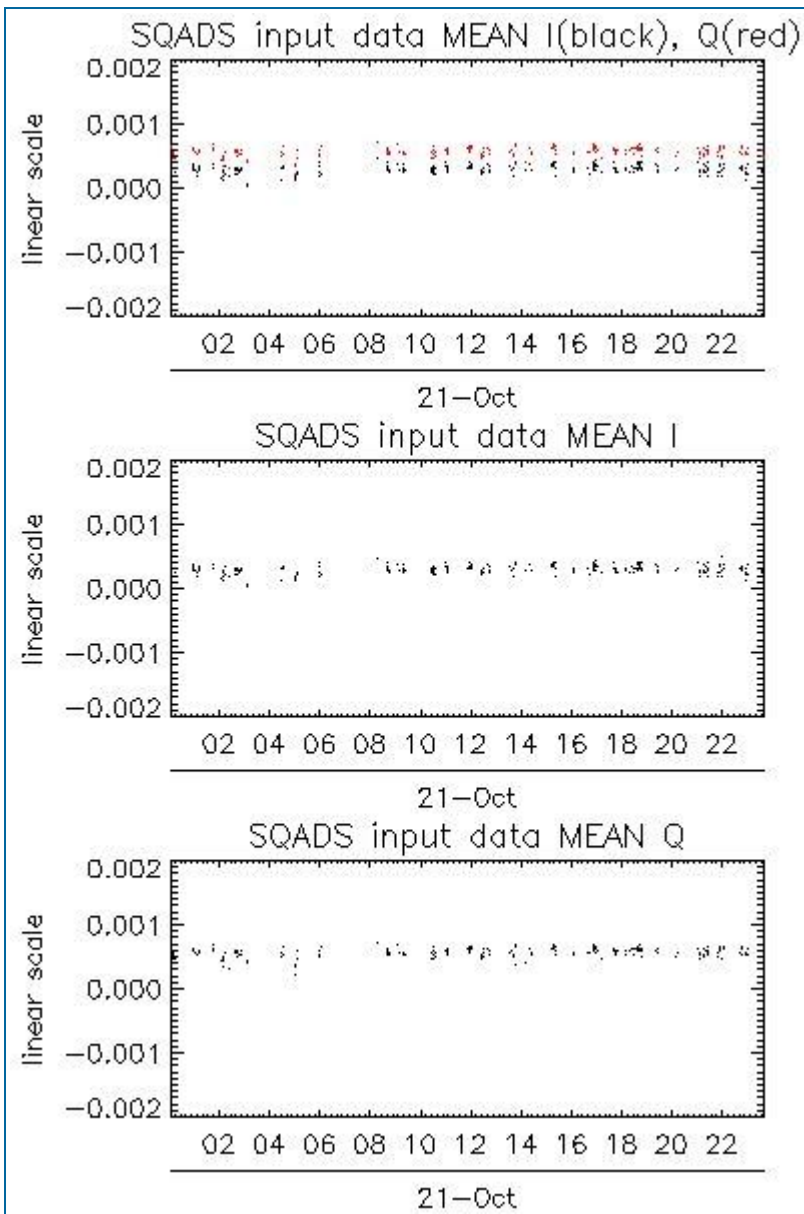


Channel	Statistics	DSS-B
MEAN I	mean	0.000489101
	stdev	2.30141e-07
MEAN Q	mean	0.000519862
	stdev	2.46202e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.126928
	stdev	0.00105699
STDEV Q	mean	0.127229
	stdev	0.00106859

## 7.2 - Analysis for IMM

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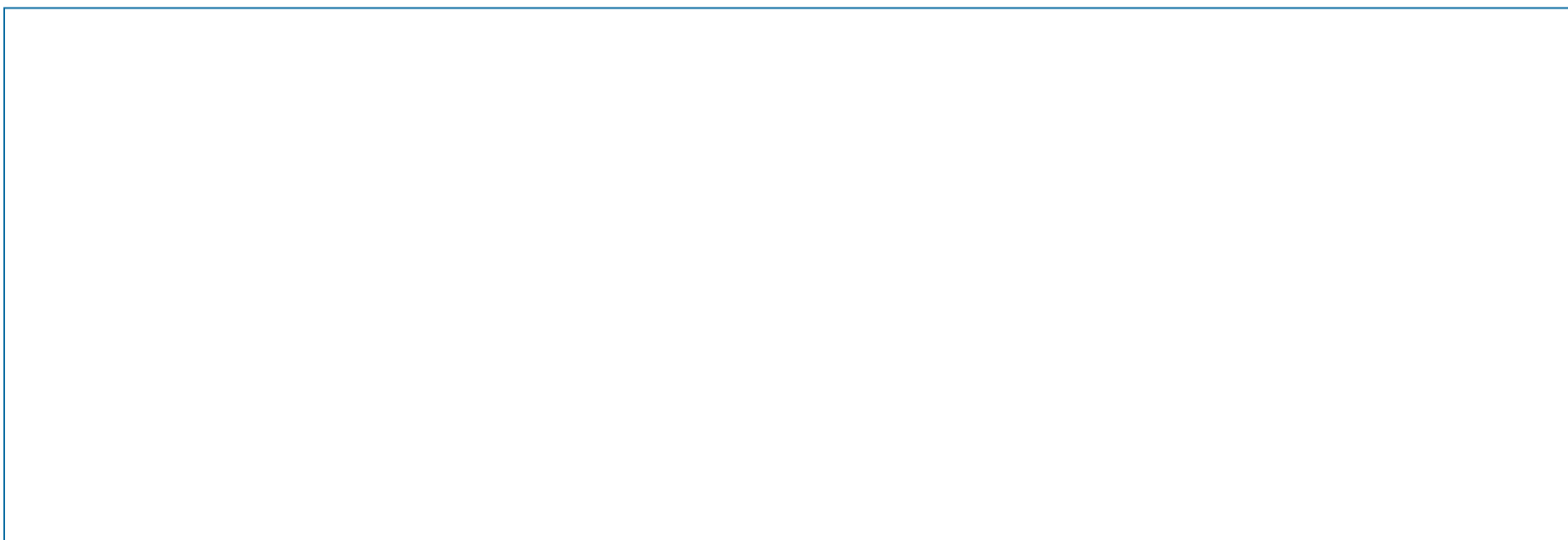


Channel	Statistics	DSS-B
MEAN I	mean	0.000298378
	stdev	4.43357e-09
MEAN Q	mean	0.000568385
	stdev	4.79657e-09
Channel	Statistics	DSS-B
STDEV I	mean	0.0691474
	stdev	0.00101489
STDEV Q	mean	0.0694394
	stdev	0.00102516

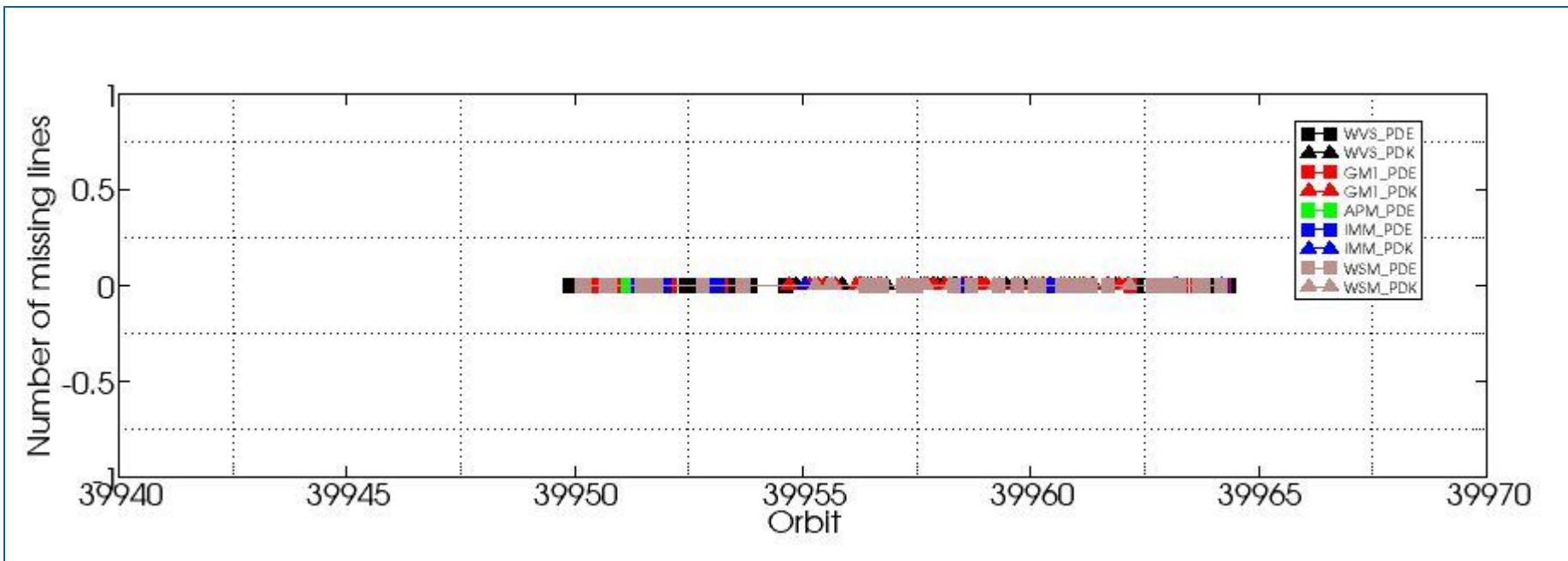
## 8 - TELEMETRY ANALYSIS

### 8.1 - Number of Missing lines

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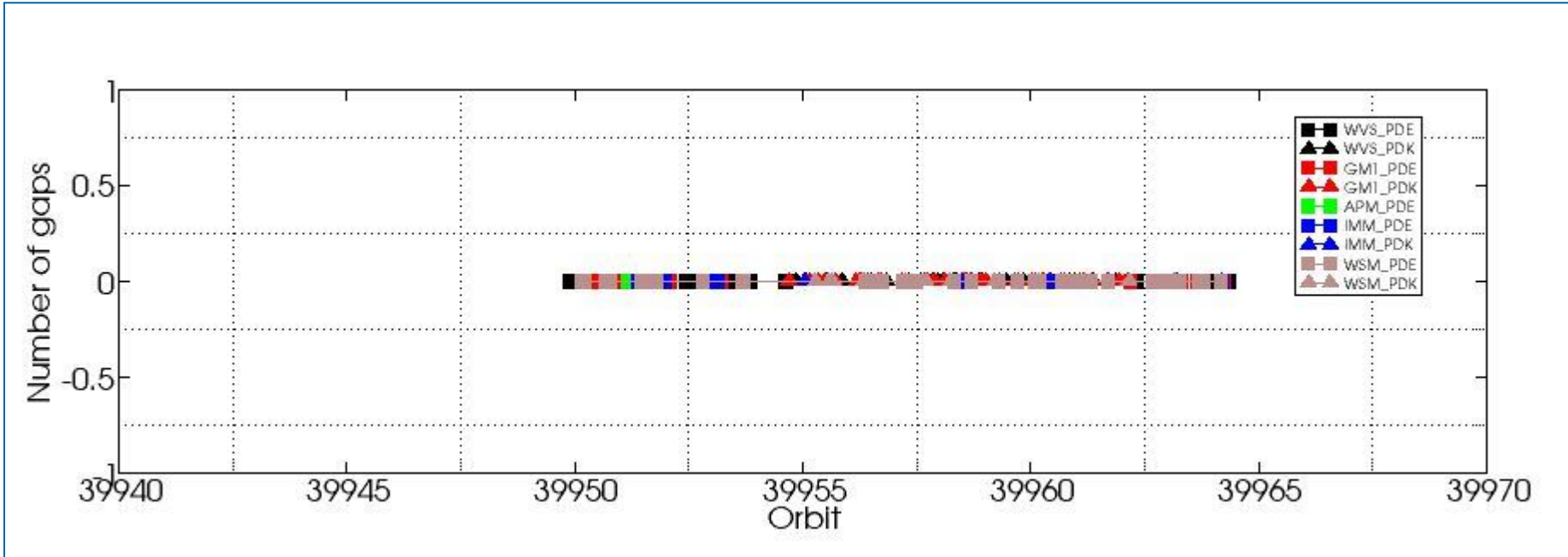






## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 091021  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: YESTERDAY

Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/091021/

DATA SUMMARY

#####  
Summary will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/091021/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/091021/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/091021/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS

#####  
Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/091021/AUXILIARY

Creating directory ./RESULTS/DAILY/091021/AUXILIARY...

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



ADF filter 20091021\*current\_3\_IECF\_ADFs.txt  
Found list 20091021\_030002\_current\_3\_IECF\_ADFs.txt...  
Extracting ADFs...

ASA\_CON\_AXVIEC20081215\_141339\_20070204\_165113\_20091231\_000000  
ASA\_INS\_AXVIEC20090525\_114808\_20090428\_100000\_20091231\_235959  
ASA\_XCH\_AXVIEC20081215\_143642\_20020301\_000000\_20091231\_000000  
ASA\_XCA\_AXVIEC20090311\_104501\_20080801\_000000\_20091231\_235959

Writing file ./RESULTS/DAILY/091021/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
Writing file ./RESULTS/DAILY/091021/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_WVS.xls...  
Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20091021_002232_000011472083_00317_39950_7489.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_004832_000003152083_00317_39950_7496.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_011329_000002692083_00317_39950_7499.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_011659_000001952083_00317_39950_7551.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_013008_000007492083_00318_39951_7564.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_021447_000003592083_00318_39951_7567.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_022215_000007192083_00318_39951_7576.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_023359_00000302083_00318_39951_7647.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_025414_000001802083_00318_39951_7638.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_035421_000009892083_00319_39952_7660.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_041020_000001202083_00319_39952_7730.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_043450_000011692083_00319_39952_7744.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_053421_000005092083_00320_39953_7738.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_054459_000000592083_00320_39953_7733.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_054716_000002392083_00320_39953_7741.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_055101_000002852083_00320_39953_7824.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_061526_000018592083_00320_39953_7851.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_073341_00000302083_00321_39954_7848.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_202934_000018892083_00329_39962_8117.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_212058_000000902083_00329_39962_8112.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_212143_000001052083_00329_39962_8171.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_220846_000019792083_00330_39963_8178.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_230148_000002692083_00330_39963_8181.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20091021_230533_000016342083_00330_39963_8245.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_WVS_1PNPDK20091021_093638_000019192083_00322_39955_3287.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_WVS_1PNPDK20091021_134823_000001802083_00325_39958_3447.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA\_WVS\_1PNPDK20091021\_194013\_000005852083\_00328\_39961\_3606.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_GM1.xls...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_GM1.txt...

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ASA_GM1_1PNPDK20091021_170429_000004592083_00327_39960_3552.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20091021_174035_000000722083_00327_39960_3556.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20091021_174935_000005792083_00327_39960_3564.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20091021_182845_000002472083_00328_39961_3571.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20091021_184943_000001082083_00328_39961_3592.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20091021_200633_000002472083_00329_39962_3601.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_APM.txt...

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Analysing IMM products...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_IMM.xls...

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ASA_IMM_1PNPDE20091021_022126_000000402083_00318_39951_7586.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20091021_030739_000000792083_00318_39951_7768.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20091021_045903_000000672083_00320_39953_7756.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20091021_050226_000000432083_00320_39953_7703.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20091021_050549_000000662083_00320_39953_7770.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_IMM_1PNPDE20091021_171210_000000372083_00327_39960_8039.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_IMM_1PNPDE20091021_233826_000001112083_00331_39964_8271.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_IMM_1PNPDK20091021_215752_000001542083_00330_39963_3633.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20091021_233611_000001602083_00331_39964_3645.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing WSM products...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/091021/AUXILIARY/Check\_ADFs\_WSM.txt...

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ASA_WSM_1PNPDE20091021_010738_000003302083_00317_39950_7619.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_021317_000000912083_00318_39951_7617.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_023617_000004042083_00318_39951_7699.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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ASA_WSM_1PNPDE20091021_024928_000002012083_00318_39951_7701.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_042851_000002142083_00319_39952_7804.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_055733_000001532083_00320_39953_7802.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_060035_000000922083_00320_39953_7806.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_060149_000000182083_00320_39953_7774.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_102812_000004342083_00323_39956_7989.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_102925_000001152083_00323_39956_7985.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_103222_000000612083_00323_39956_7969.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_110020_000000922083_00323_39956_7983.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_110300_000000732083_00323_39956_7955.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_110300_000001712083_00323_39956_7987.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_110515_000000362083_00323_39956_7959.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_115339_000001902083_00324_39957_7975.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_122340_000004892083_00324_39957_7981.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_134633_000001092083_00325_39958_8021.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_142210_000002132083_00325_39958_8029.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_152239_000001092083_00326_39959_8041.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_160314_000001592083_00326_39959_8043.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_164111_000001212083_00327_39960_8045.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_165323_000001522083_00327_39960_8031.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_174152_000004582083_00327_39960_8093.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_181032_000000912083_00327_39960_8099.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_182611_000001532083_00328_39961_8095.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_184044_000001652083_00328_39961_8103.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_184158_000000902083_00328_39961_8091.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_184402_000001342083_00328_39961_8097.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_184649_000001702083_00328_39961_8101.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_192323_000002692083_00328_39961_8166.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_210340_000003542083_00329_39962_8254.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_210554_000000552083_00329_39962_8158.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_211436_000000732083_00329_39962_8142.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_211436_000003732083_00329_39962_8252.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_211745_000001842083_00329_39962_8212.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_212408_000002142083_00329_39962_8198.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_214939_000001892083_00330_39963_8301.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_220503_000000972083_00330_39963_8224.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_224400_000001342083_00330_39963_8275.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_224400_000002992083_00330_39963_8345.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_225525_000003732083_00330_39963_8273.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20091021_233324_000001532083_00331_39964_8299.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_083921_000004342083_00322_39955_3268.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_090720_000001352083_00322_39955_3308.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_091716_000003422083_00322_39955_3326.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_102458_000000912083_00323_39956_3322.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_102716_000001652083_00323_39956_3324.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_110237_000001282083_00323_39956_3442.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_115614_000001902083_00324_39957_3372.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_115937_000002932083_00324_39957_3374.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_124137_000002262083_00324_39957_3444.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_133454_000001032083_00325_39958_3440.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_151310_000005372083_00326_39959_3504.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_165126_000005992083_00327_39960_3548.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_183532_000003542083_00328_39961_3588.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_201042_000000922083_00329_39962_3615.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_215020_000001822083_00330_39963_3635.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20091021_215508_000001282083_00330_39963_3637.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59





Results will be exported to the directory: ./RESULTS/DAILY/091021/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/091021/MODULE\_STEPPING...
Creating directory ./RESULTS/DAILY/091021/MODULE\_STEPPING/FIRST\_REFERENCE...
Creating directory ./RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE...
Creating directory ./RESULTS/DAILY/091021/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/091021/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H
Reference product: ASA\_MS\_\_0PNPDK20050922\_062651\_000000152041\_00034\_18625\_0041.N1
Test product: ASA\_MS\_\_0PNPDK20091020\_081003\_000000162083\_00307\_39940\_0897.N1

H
H
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20091020\_081003-20050922\_062651.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20091020\_081003-20050922\_062651.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20091020\_081003-20050922\_062651.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20091020\_081003-20050922\_062651.png

Polarization: V
Reference product: ASA\_MS\_\_0PNPDK20050923\_055514\_000000152041\_00048\_18639\_0042.N1
Test product: ASA\_MS\_\_0PNPDK20091021\_073826\_000000162083\_00321\_39954\_0898.N1

V
V
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20091021\_073826-20050923\_055514.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20091021\_073826-20050923\_055514.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20091021\_073826-20050923\_055514.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20091021\_073826-20050923\_055514.png

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Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H
Reference product: ASA\_MS\_\_0PNPDE20091019\_015916\_000000162083\_00289\_39922\_0464.N1
Test product: ASA\_MS\_\_0PNPDK20091020\_081003\_000000162083\_00307\_39940\_0897.N1

H
H
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20091020\_081003-20091019\_015916.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20091020\_081003-20091019\_015916.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20091020\_081003-20091019\_015916.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20091020\_081003-20091019\_015916.png

Polarization: V
Reference product: ASA\_MS\_\_0PNPDK20091019\_084140\_000000162083\_00293\_39926\_0896.N1
Test product: ASA\_MS\_\_0PNPDK20091021\_073826\_000000162083\_00321\_39954\_0898.N1

V
V
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20091021\_073826-20091019\_084140.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20091021\_073826-20091019\_084140.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20091021\_073826-20091019\_084140.png
../../RESULTS/DAILY/091021/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20091021\_073826-20091019\_084140.png

MODULE\_STEPPING ANALYSIS completed
#####

CALIBRATION PULSES ANALYSIS
#####

Creating directory ./RESULTS/DAILY/091021/CALIBRATION\_PULSES...

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\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59

Analysing products WVS IS2 V/V  
Writing image ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
Writing image ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59

Analysing products WVS IS2 V/V  
Getting calibration pulses data for WVS IS2 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2009-10-21\_1.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2009-10-21\_2.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2009-10-21\_3.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2009-10-21\_4.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
Writing ../../RESULTS/DAILY/091021//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 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2009-10-21\_1.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2009-10-21\_2.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2009-10-21\_3.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-10-21 00:00:00 to 2009-10-21 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/091021/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2009-10-21\_4.dat...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/091021//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...



CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####

Creating directory ./RESULTS/DAILY/091021/DOPPLER...

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DOPPLER ANX Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59

Analysing products WVS IS2 V/V  
Getting doppler data for WVS IS2 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2009-10-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/091021/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H  
Getting doppler data for GM1 SS1 H/H from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2009-10-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/091021/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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DOPPLER JUMPS Analysis will be performed on WSM products from 2009-10-21 00:00:00 to 2009-10-21 23:59:59

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/DOPPLER/Doppler\_Jumps\_data\_WSM\_2009-10-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/091021/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/091021/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

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DOPPLER MAP Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 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 = -25.862405 Hz  
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...  
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*  
Loading predicted doppler values....  
Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -28.634494 Hz  
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...  
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_asc.jpg...

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Analysing products GM1 SS1 H/H  
Loading predicted doppler values....  
Phase: descending

```
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -16.842219 Hz
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

```
*****
Loading predicted doppler values...
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -26.202181 Hz
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/091021//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

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DOPPLER ANALYSIS completed
#####
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CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/091021/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...
Writing file ./RESULTS/DAILY/091021/CHIRP/ScaleFactor_data_WSM_SS1_HH_2009-10-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/091021/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/091021/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...
Writing file ./RESULTS/DAILY/091021/CHIRP/ScaleFactor_data_WSM_SS1_VV_2009-10-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/091021/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/091021/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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

```
RAW DATA ANALYSIS
#####
Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/091021/RAW_DATA
```

```
Creating directory ./RESULTS/DAILY/091021/RAW_DATA...
```

```
*****
Getting raw data for WVS from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...
Writing file ./RESULTS/DAILY/091021/RAW_DATA/Raw_data_WVS_2009-10-21.dat...
Running IDL program to create graphs...
```



Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

\*\*\*\*\*  
Getting raw data for IMM from 2009-10-21 00:00:00 to 2009-10-21 23:59:59...  
Writing file ./RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_IMM\_2009-10-21.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/091021/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed  
#####

TELEMETRY ANALYSIS  
#####  
Analysis will be performed from 2009-10-21 00:00:00 to 2009-10-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/091021/TELEMETRY

Creating directory ./RESULTS/DAILY/091021/TELEMETRY...

Looking for gaps and missing lines in WVS products...  
\*\*\*\*\*  
Checking 26 products from PDE...  
Checking 24 products from PDK...

Looking for gaps and missing lines in GM1 products...  
\*\*\*\*\*  
Checking 28 products from PDE...  
Checking 45 products from PDK...

Looking for gaps and missing lines in APM products...  
\*\*\*\*\*  
Checking 2 products from PDE...  
No products from PDK...

Looking for gaps and missing lines in IMM products...  
\*\*\*\*\*  
Checking 11 products from PDE...  
Checking 4 products from PDK...

Looking for gaps and missing lines in WSM products...  
\*\*\*\*\*  
Checking 50 products from PDE...  
Checking 16 products from PDK...

Creating graph of missing lines and gaps...  
\*\*\*\*\*  
Creating image: ./RESULTS/DAILY/091021/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/091021/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed  
#####

BROWSE PRODUCTS ANALYSIS  
#####  
Analysis will be performed on 2009-10-21



\*\*\*\*\*  
Scanning directory /nfs-store/ASAR\_Data//ASA\_GM\_\_BP...  
Results will be exported to the directory: /nfs-store/ASAR\_Data//ASA\_GM\_\_BP/JPG/20091021/

ANALYSIS COMPLETED: 0 GM browse products to see...  
\*\*\*\*\*

\*\*\*\*\*  
Scanning directory /nfs-store/ASAR\_Data//ASA\_AP\_\_BP...  
Results will be exported to the directory: /nfs-store/ASAR\_Data//ASA\_AP\_\_BP/JPG/20091021/

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

\*\*\*\*\*  
Scanning directory /nfs-store/ASAR\_Data//ASA\_IM\_\_BP...  
Results will be exported to the directory: /nfs-store/ASAR\_Data//ASA\_IM\_\_BP/JPG/20091021/

ANALYSIS COMPLETED: 0 IM browse products to see...  
\*\*\*\*\*

\*\*\*\*\*  
Scanning directory /nfs-store/ASAR\_Data//ASA\_WS\_\_BP...  
Results will be exported to the directory: /nfs-store/ASAR\_Data//ASA\_WS\_\_BP/JPG/20091021/

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

BROWSE PRODUCTS ANALYSIS completed  
#####

HTML REPORT generation  
#####

Building file ./RESULTS/DAILY/091021/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  
#####





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_1PNPDE20091021_014612_000000912083_00318_39951_7592.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20091021_021021_000000432083_00318_39951_7584.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_1PNPDE20091021_000720_000000722083_00317_39950_7481.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_001250_000005792083_00317_39950_7486.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_004222_000003682083_00317_39950_7493.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_005435_000000842083_00317_39950_7491.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_010044_000004102083_00317_39950_7501.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_012333_000003922083_00317_39950_7555.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_014322_000001692083_00318_39951_7553.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_014803_000010692083_00318_39951_7580.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_021124_000001082083_00318_39951_7573.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_025250_000000782083_00318_39951_7653.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_025757_000001202083_00318_39951_7644.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_030004_000004592083_00318_39951_7657.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_030908_000002052083_00318_39951_7640.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_032014_000006102083_00319_39952_7642.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_043227_000001382083_00319_39952_7727.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_045458_000002472083_00320_39953_7725.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_050021_000001262083_00320_39953_7723.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_050707_000000962083_00320_39953_7721.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_051046_000014142083_00320_39953_7953.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_201217_000010322083_00329_39962_8119.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_210146_000001082083_00329_39962_8105.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_210938_000002952083_00329_39962_8114.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_212743_000011062083_00329_39962_8189.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_220037_000002592083_00330_39963_8168.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_220647_000001142083_00330_39963_8173.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_224222_000000902083_00330_39963_8175.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_224904_000003802083_00330_39963_8183.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20091021_234029_000007552083_00331_39964_8226.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_073944_000009732083_00321_39954_3249.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_082756_000006102083_00322_39955_3247.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_083657_000001382083_00322_39955_3270.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_084644_000001872083_00322_39955_3272.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_090144_000000902083_00322_39955_3277.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_092306_000008092083_00322_39955_3282.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_100915_000003742083_00323_39956_3284.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_101716_000002892083_00323_39956_3289.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_102052_000002412083_00323_39956_3337.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_103527_000003142083_00323_39956_3339.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_105811_000001262083_00323_39956_3341.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_110557_000006762083_00323_39956_3346.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_114914_000002592083_00324_39957_3348.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_123847_000001692083_00324_39957_3379.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_124528_000007372083_00324_39957_3387.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_130213_000004712083_00324_39957_3392.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_132303_000007062083_00325_39958_3394.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_133641_000001262083_00325_39958_3411.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_133736_000003322083_00325_39958_3449.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_140103_000003082083_00325_39958_3451.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_140740_000001322083_00325_39958_3453.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_141037_000001502083_00325_39958_3458.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_141315_000001142083_00325_39958_3460.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_141923_000001632083_00325_39958_3462.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_142546_000007552083_00325_39958_3467.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_144403_000002292083_00325_39958_3469.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_145641_000009852083_00326_39959_3481.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_152433_000006282083_00326_39959_3506.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_155959_000001932083_00326_39959_3508.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_160602_000007792083_00326_39959_3515.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_163828_000001572083_00327_39960_3513.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_164318_000004832083_00327_39960_3517.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_170130_000001322083_00327_39960_3550.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_170429_000004592083_00327_39960_3552.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_171258_000003142083_00327_39960_3554.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_174035_000000722083_00327_39960_3556.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20091021_174935_000005792083_00327_39960_3564.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_182132_000002772083_00328_39961_3566.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_182845_000002472083_00328_39961_3571.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_183146_000002232083_00328_39961_3590.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_184943_000001082083_00328_39961_3592.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_192111_000001262083_00328_39961_3594.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_192759_000007312083_00328_39961_3599.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_195043_000008332083_00328_39961_3603.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20091021_200633_000002472083_00329_39962_3601.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_1PNPDE20091021_001115_000000822083_00317_39950_7530.N1				
ASA_IMM_1PNPDE20091021_020553_000002392083_00318_39951_7615.N1				
ASA_IMM_1PNPDE20091021_022126_000000402083_00318_39951_7586.N1				
ASA_IMM_1PNPDE20091021_030739_000000792083_00318_39951_7768.N1				
ASA_IMM_1PNPDE20091021_045903_000000672083_00320_39953_7756.N1				
ASA_IMM_1PNPDE20091021_050226_000000432083_00320_39953_7703.N1				
ASA_IMM_1PNPDE20091021_050549_000000662083_00320_39953_7770.N1				
ASA_IMM_1PNPDE20091021_140949_000000372083_00325_39958_7999.N1				
ASA_IMM_1PNPDE20091021_171210_000000372083_00327_39960_8039.N1				
ASA_IMM_1PNPDE20091021_182028_000000522083_00328_39961_8047.N1				
ASA_IMM_1PNPDE20091021_233826_000001112083_00331_39964_8271.N1				
ASA_IMM_1PNPDK20091021_081641_000000452083_00322_39955_3242.N1				
ASA_IMM_1PNPDK20091021_134309_000001452083_00325_39958_3438.N1				
ASA_IMM_1PNPDK20091021_215752_000001542083_00330_39963_3633.N1				
ASA_IMM_1PNPDK20091021_233611_000001602083_00331_39964_3645.N1				



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_WSM_1PNPDE20091021_000500_000000732083_00317_39950_7517.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_000500_000001352083_00317_39950_7582.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_000836_000000972083_00317_39950_7544.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_005602_000002512083_00317_39950_7557.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_005602_000002752083_00317_39950_7578.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_010738_000003122083_00317_39950_7613.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_010738_000003302083_00317_39950_7619.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_021317_000000912083_00318_39951_7617.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_023617_000004042083_00318_39951_7699.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_024814_000002752083_00318_39951_7758.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_024928_000002012083_00318_39951_7701.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_042851_000002142083_00319_39952_7804.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_055733_000001532083_00320_39953_7802.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_060035_000000922083_00320_39953_7806.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_060149_000000182083_00320_39953_7774.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_102812_000004342083_00323_39956_7989.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_102925_000001152083_00323_39956_7985.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_103222_000000612083_00323_39956_7969.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_110020_000000922083_00323_39956_7983.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_110300_000000732083_00323_39956_7955.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_110300_000001712083_00323_39956_7987.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_110515_000000362083_00323_39956_7959.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_115339_000001902083_00324_39957_7975.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_122340_000004892083_00324_39957_7981.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_134633_000001092083_00325_39958_8021.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_142210_000002132083_00325_39958_8029.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_152239_000001092083_00326_39959_8041.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_160314_000001592083_00326_39959_8043.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_164111_000001212083_00327_39960_8045.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_165323_000001522083_00327_39960_8031.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_174152_000004582083_00327_39960_8093.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_181032_000000912083_00327_39960_8099.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_182611_000001532083_00328_39961_8095.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_184044_000001652083_00328_39961_8103.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_184158_000000902083_00328_39961_8091.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_184402_000001342083_00328_39961_8097.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_184649_000001702083_00328_39961_8101.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_192323_000002692083_00328_39961_8166.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_210340_000003542083_00329_39962_8254.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_210554_000000552083_00329_39962_8158.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_211436_000000732083_00329_39962_8142.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_211436_000003732083_00329_39962_8252.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_211745_000001842083_00329_39962_8212.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_212408_000002142083_00329_39962_8198.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_214939_000001892083_00330_39963_8301.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_220503_000000972083_00330_39963_8224.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_224400_000001342083_00330_39963_8275.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_224400_000002992083_00330_39963_8345.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_225525_000003732083_00330_39963_8273.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20091021_233324_000001532083_00331_39964_8299.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_083921_000004342083_00322_39955_3268.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_090720_000001352083_00322_39955_3308.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_091716_000003422083_00322_39955_3326.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_102458_000000912083_00323_39956_3322.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_102716_000001652083_00323_39956_3324.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_110237_000001282083_00323_39956_3442.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_115614_000001902083_00324_39957_3372.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_115937_000002932083_00324_39957_3374.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_124137_000002262083_00324_39957_3444.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20091021_133454_000001032083_00325_39958_3440.N1					OK	OK	OK	OK
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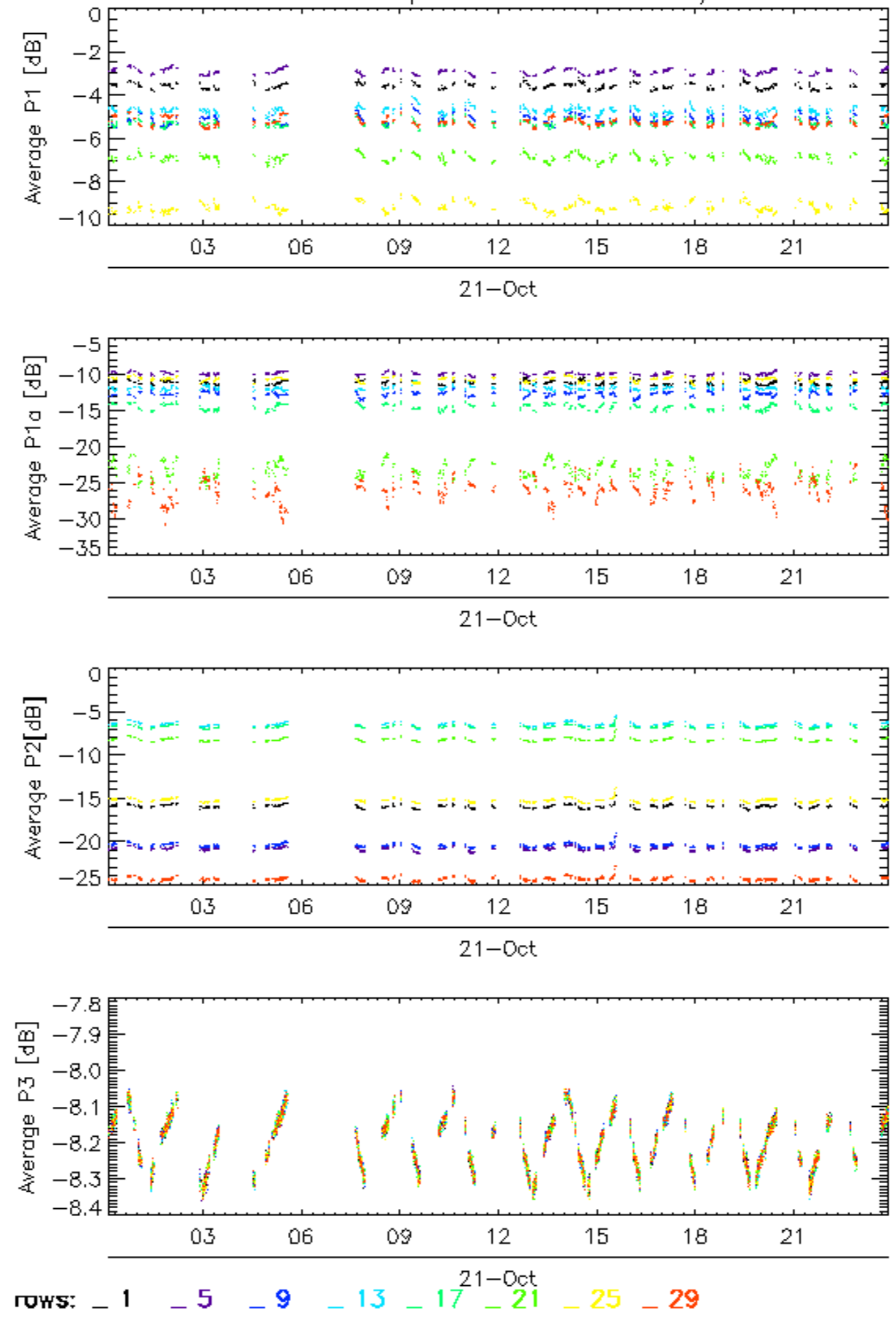


Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

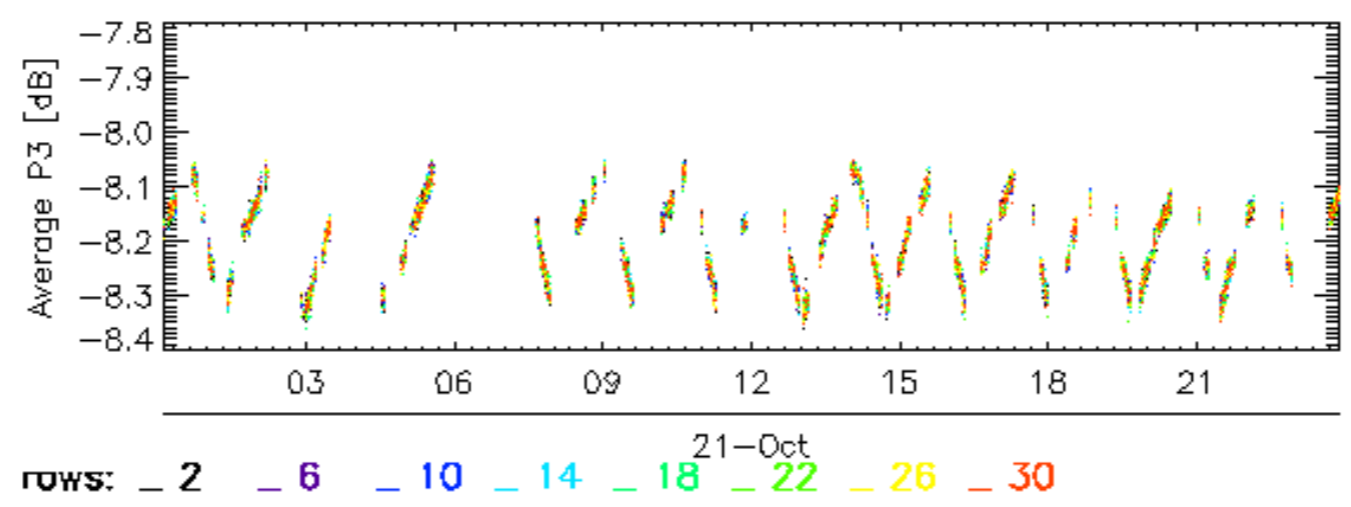
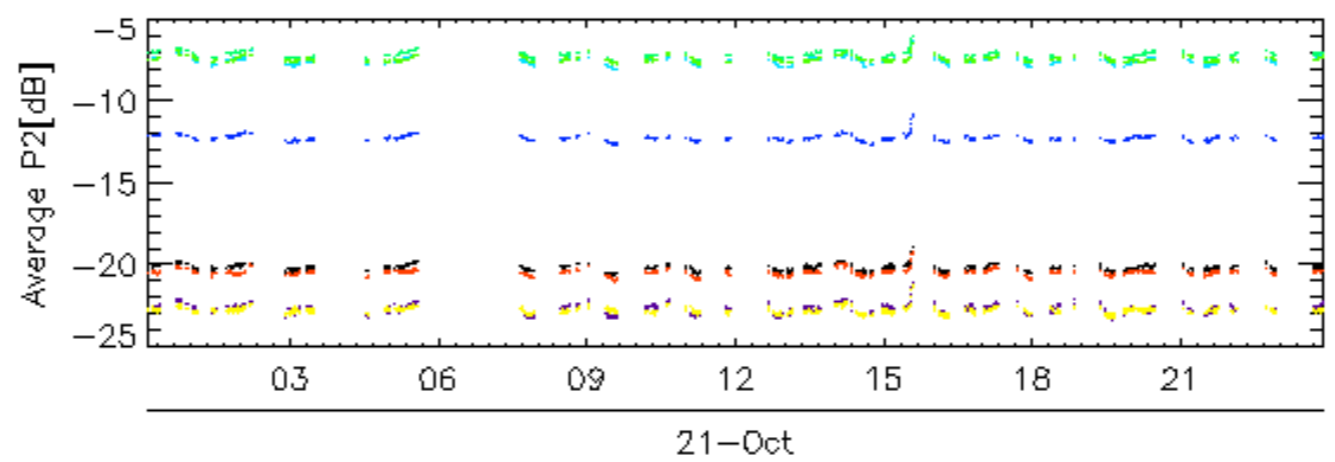
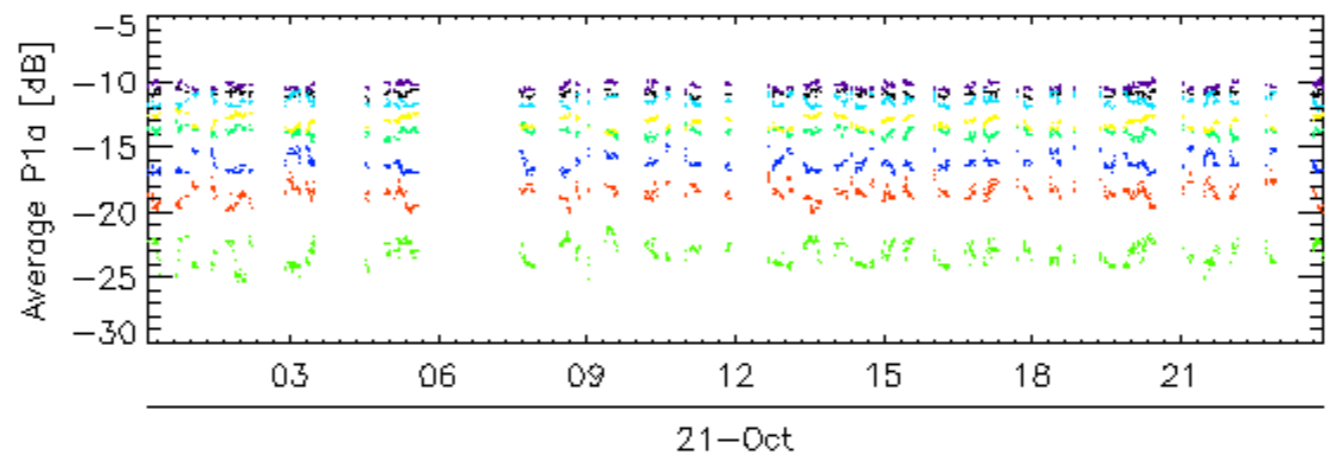
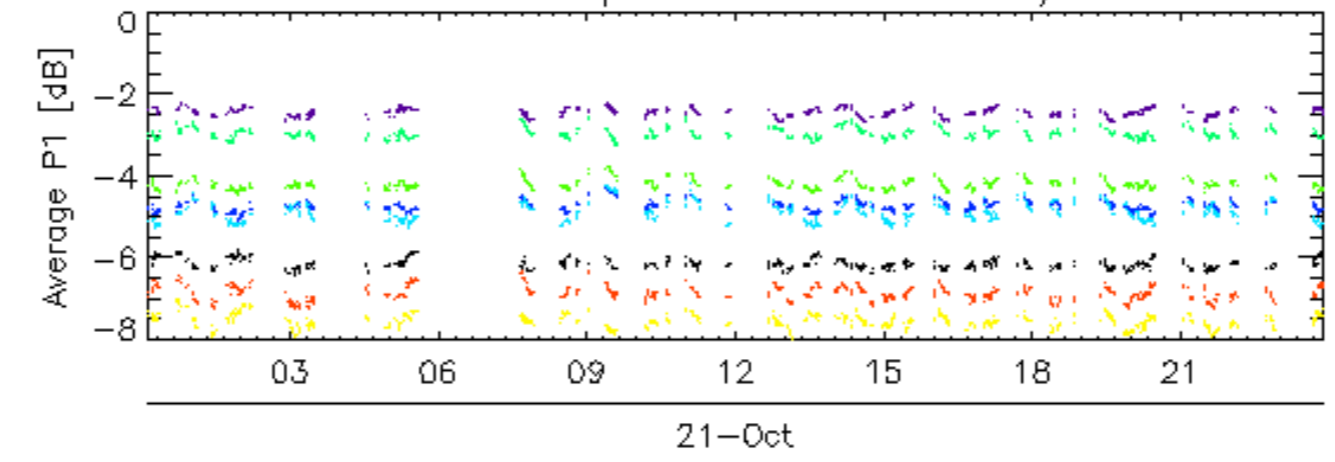
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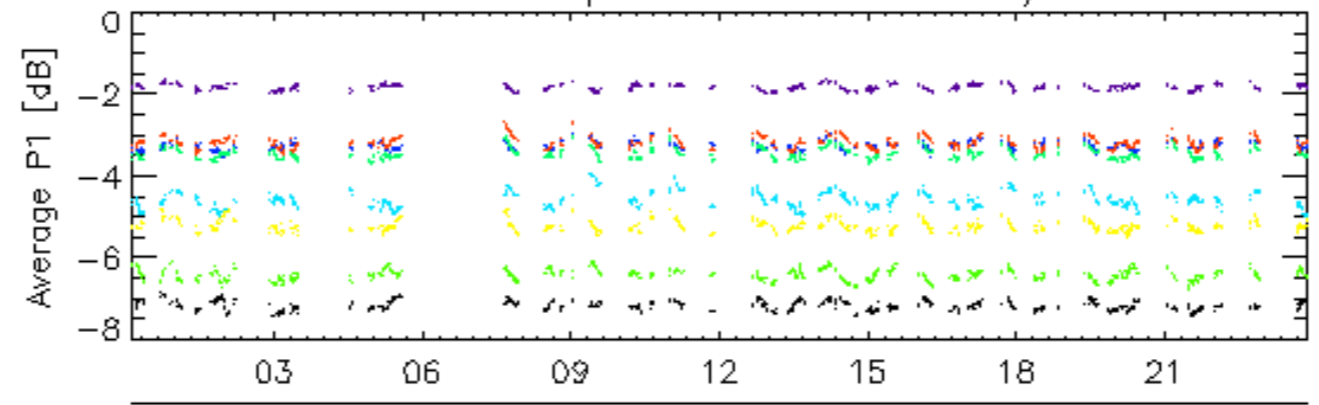
### Calibration pulses for GM1 SS3 H/H



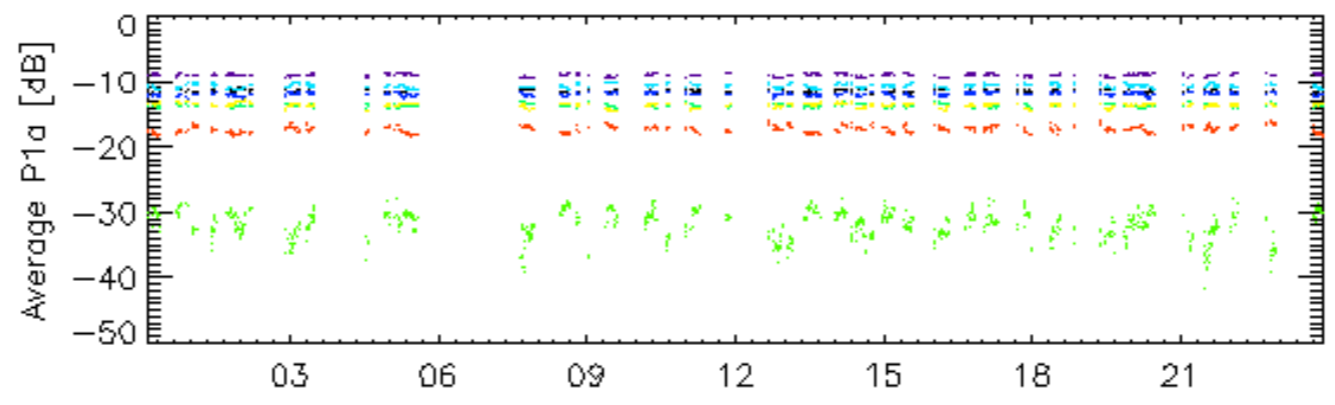
Calibration pulses for GM1 SS3 H/H



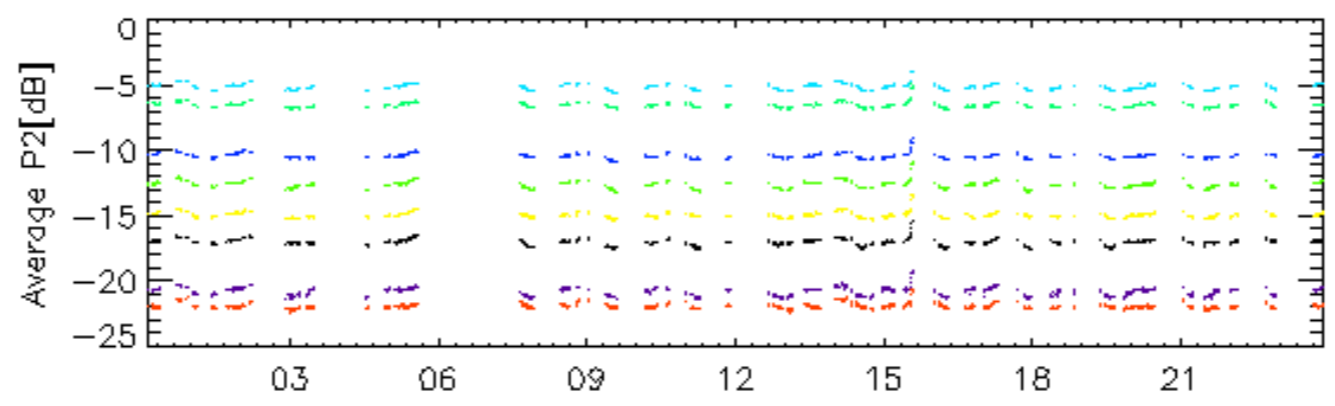
### Calibration pulses for GM1 SS3 H/H



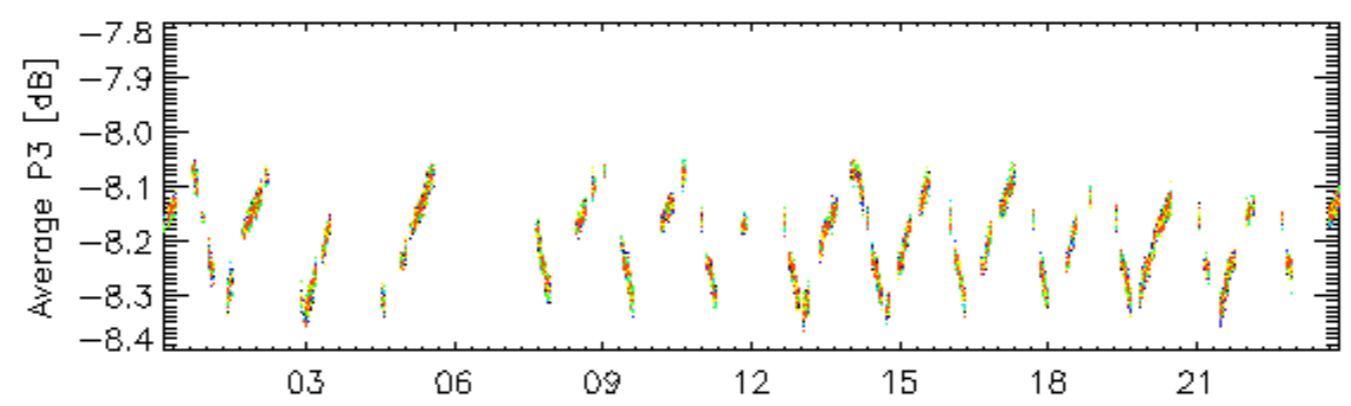
21-Oct



21-Oct



21-Oct

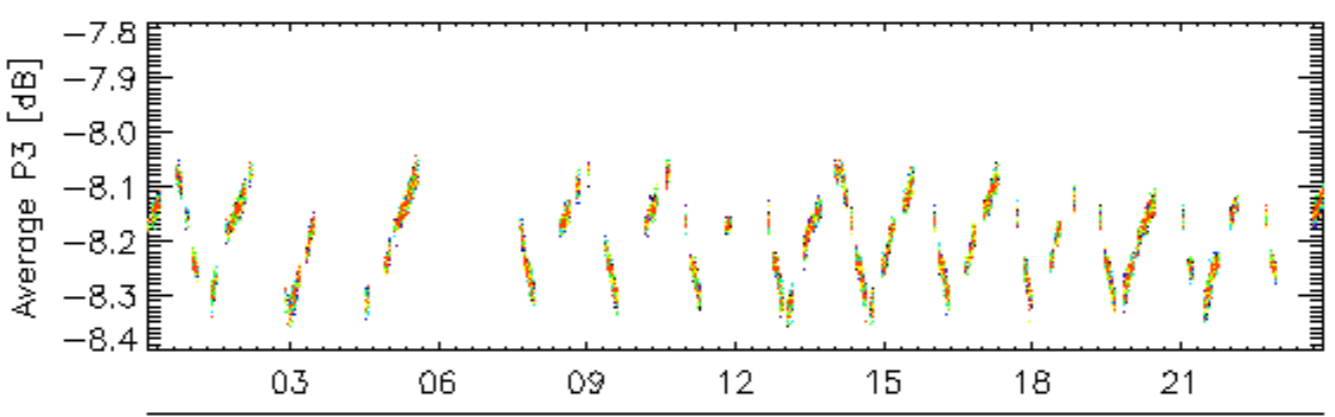
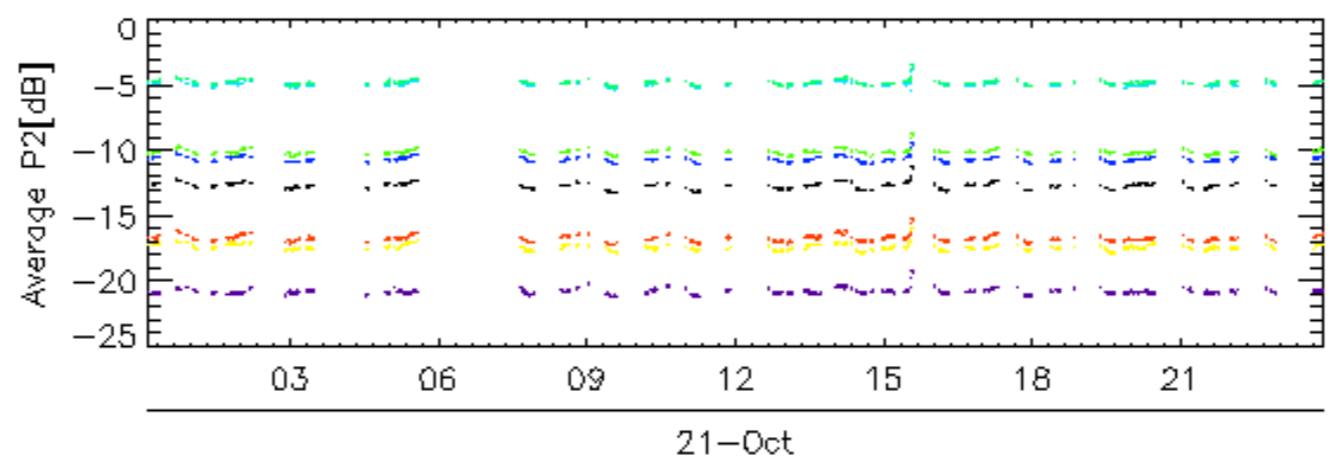
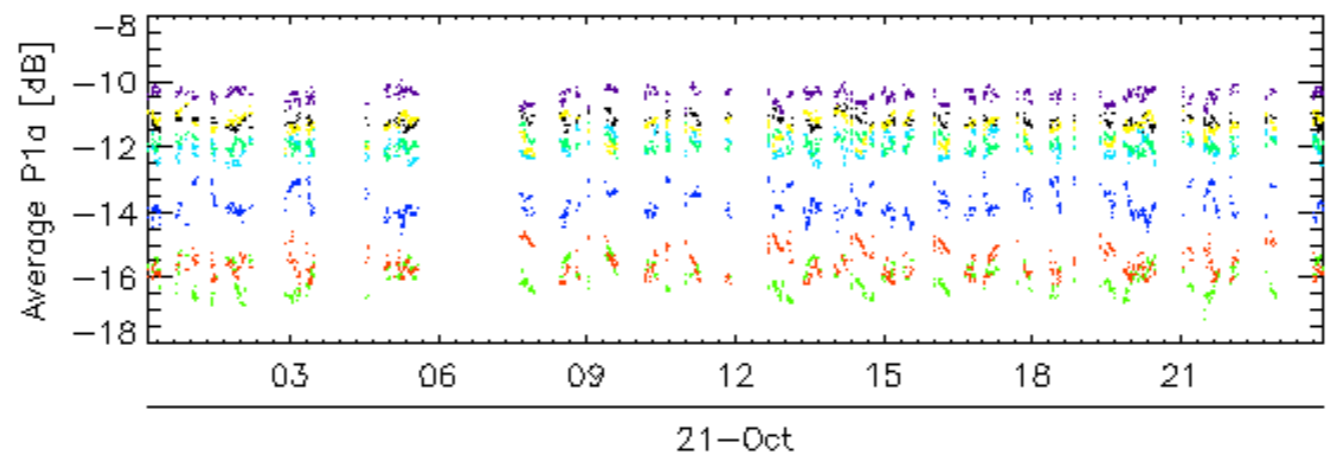
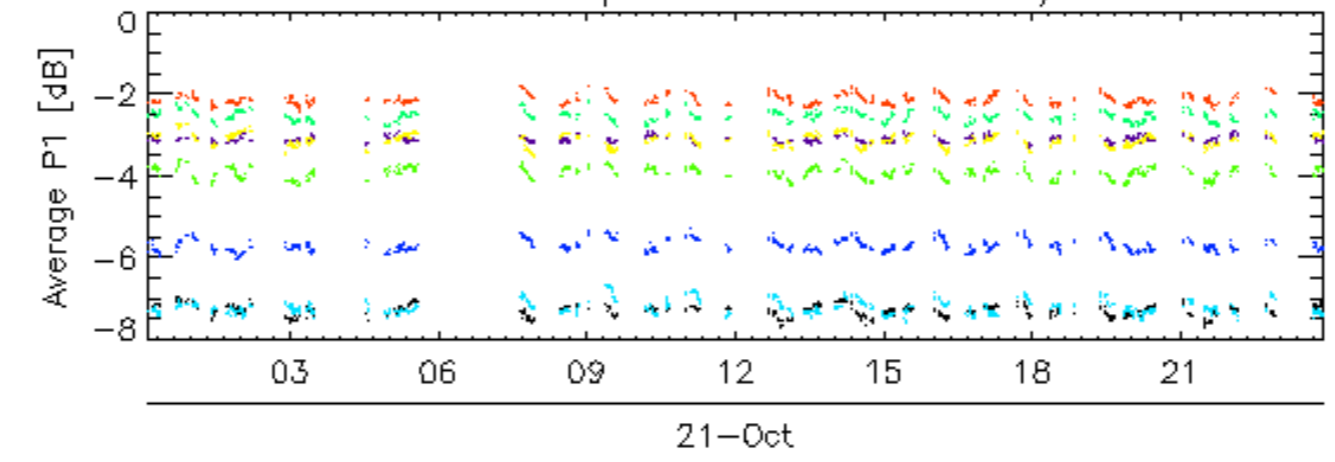


21-Oct

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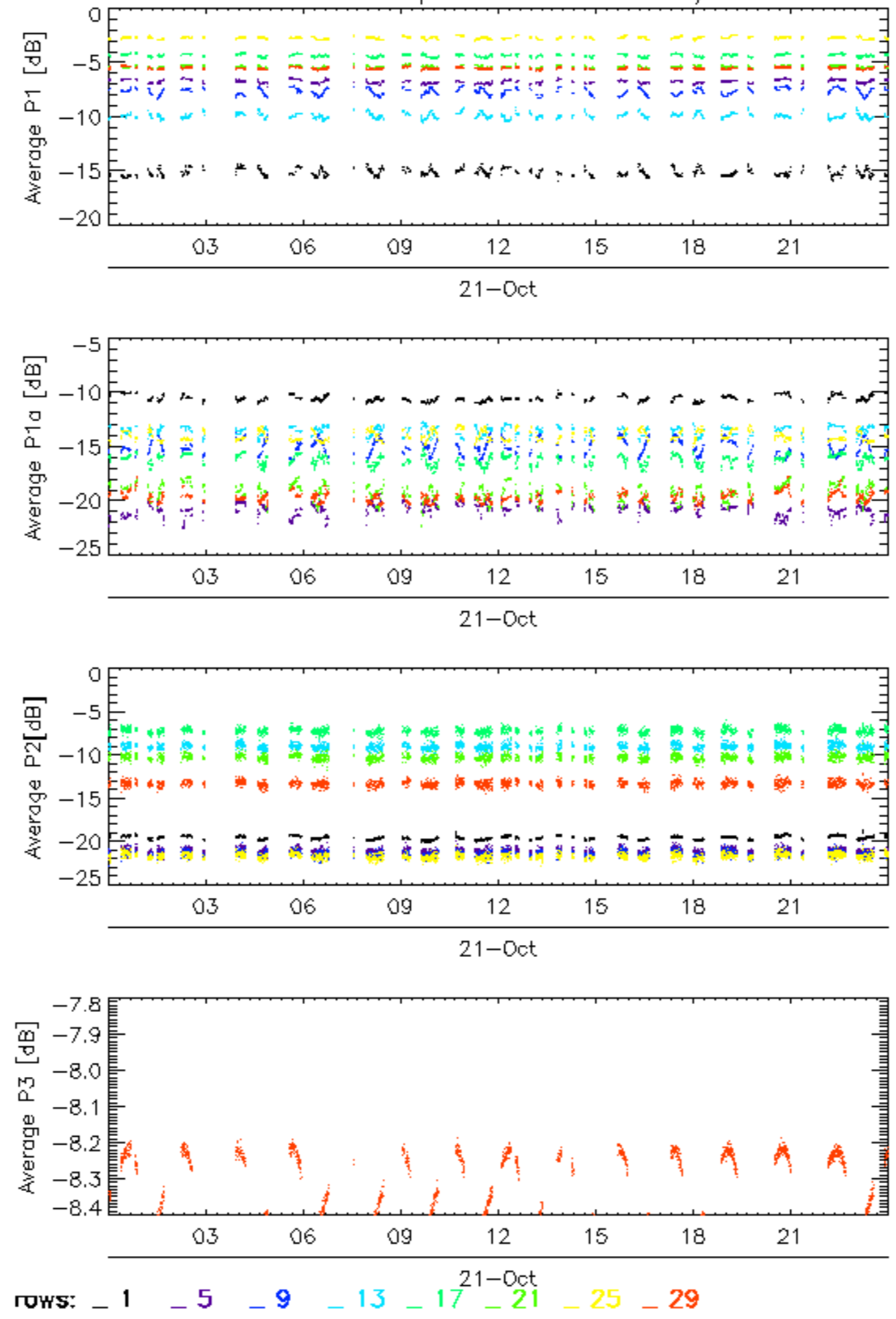


Calibration pulses for GM1 SS3 H/H

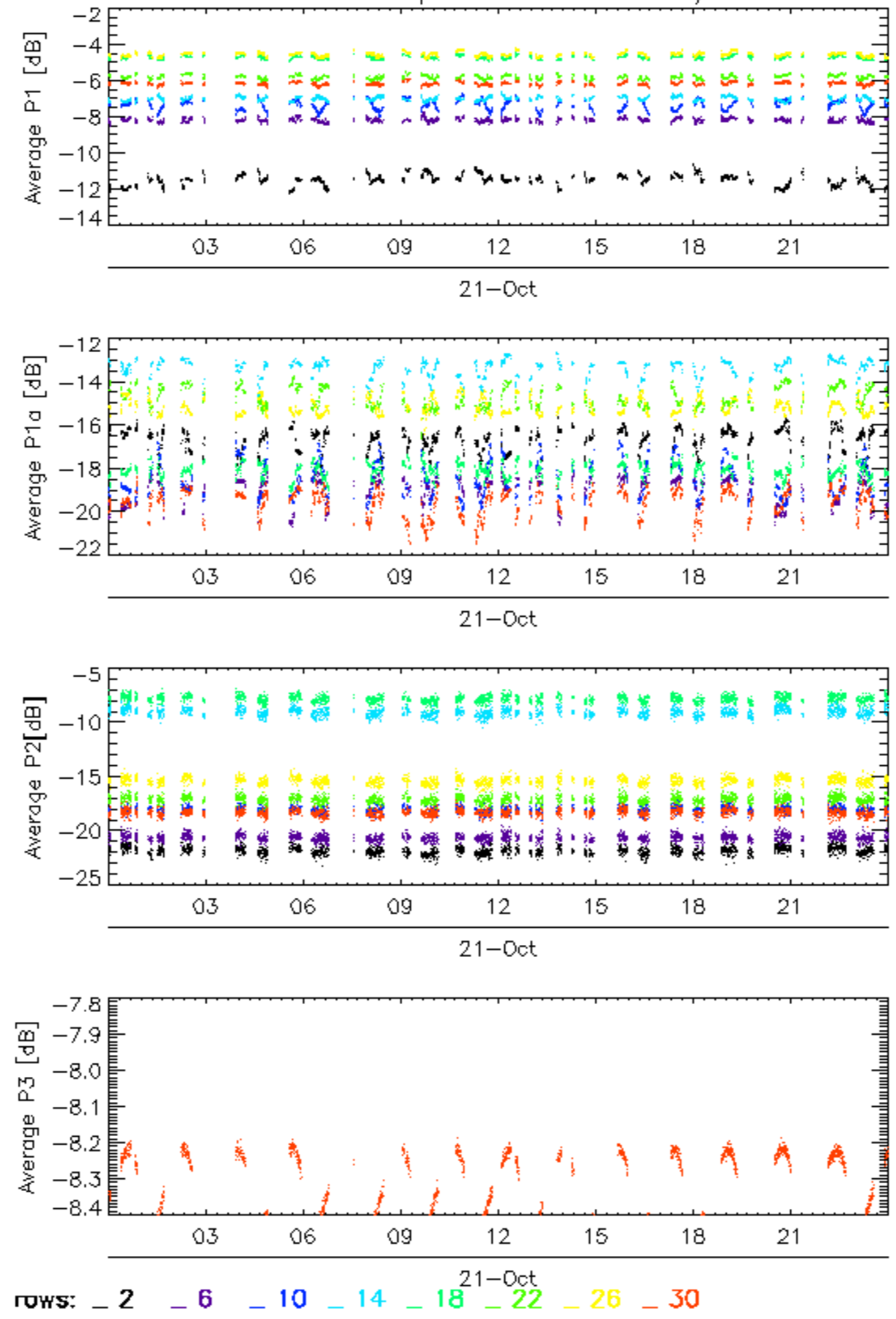


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Calibration pulses for WVS IS2 V/V

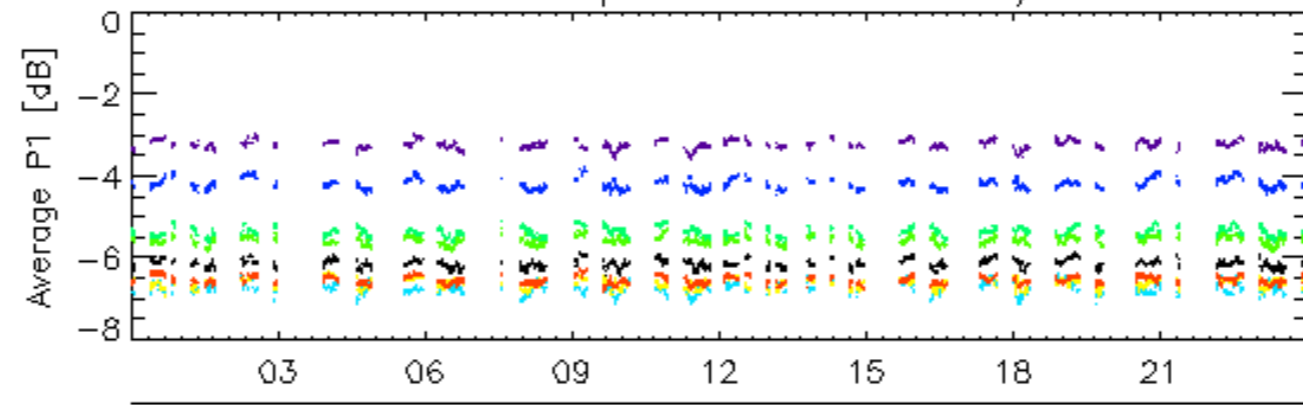


### Calibration pulses for WVS IS2 V/V

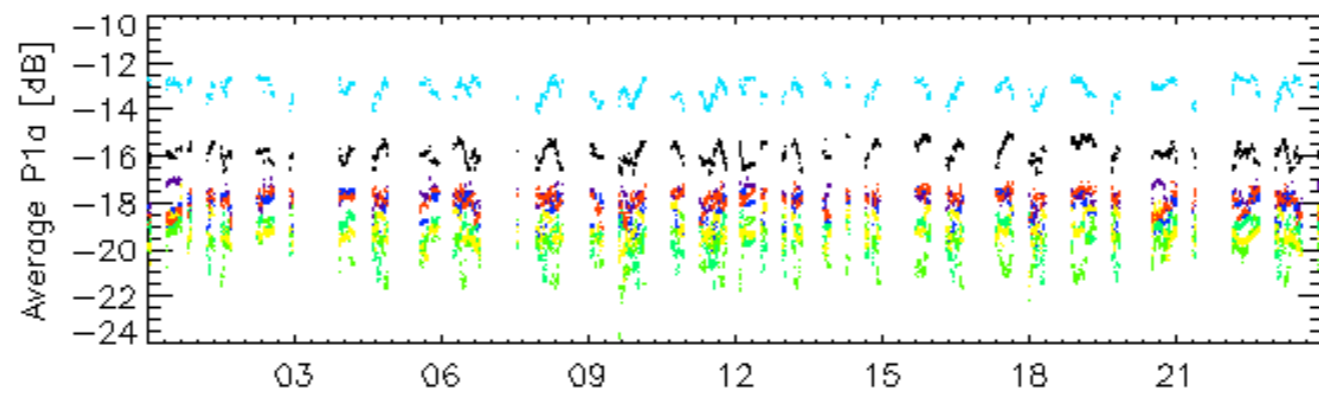




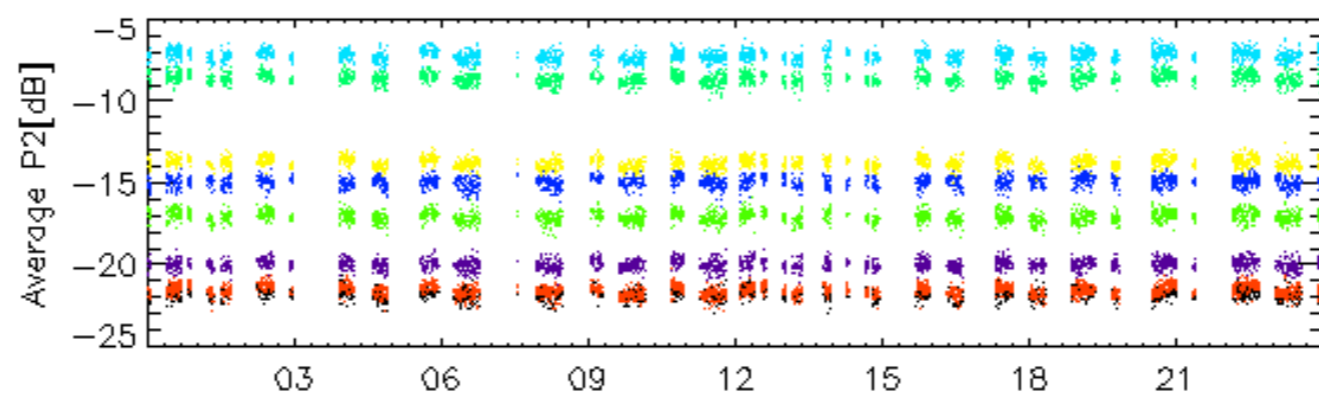
Calibration pulses for WVS IS2 V/V



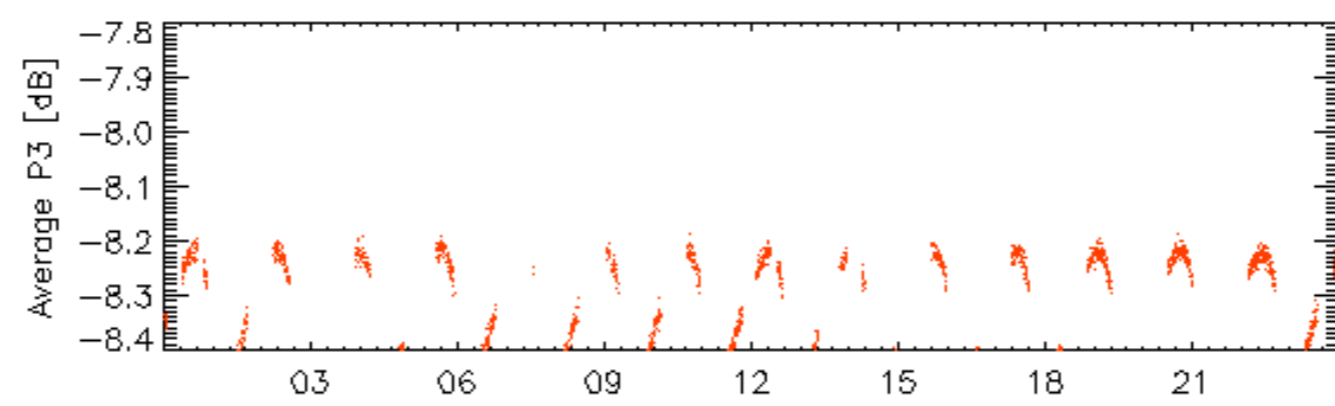
21-Oct



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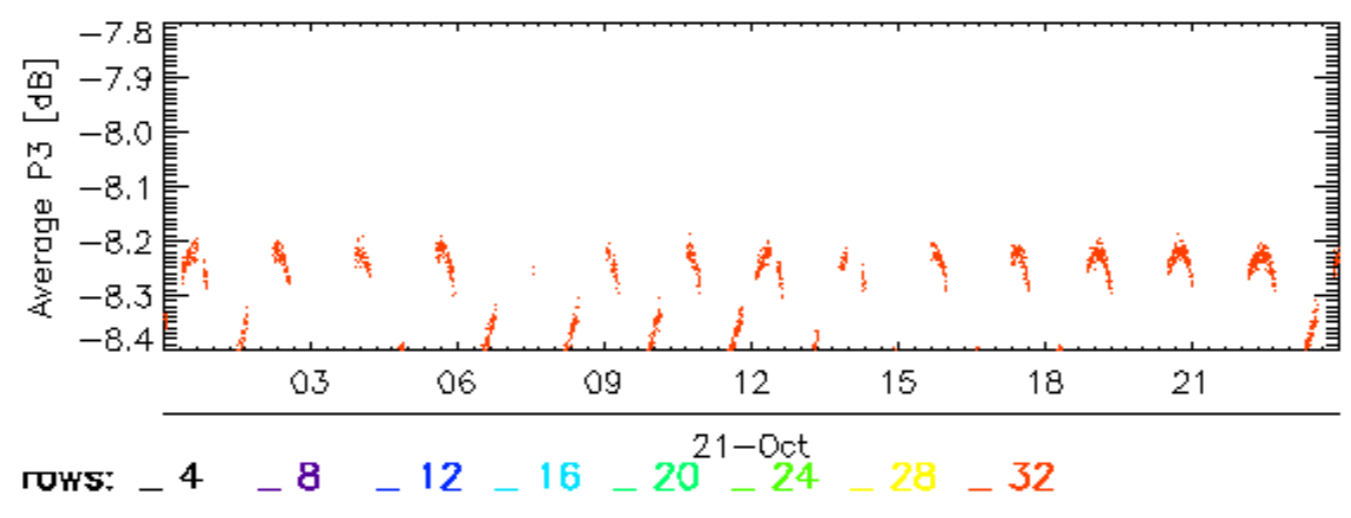
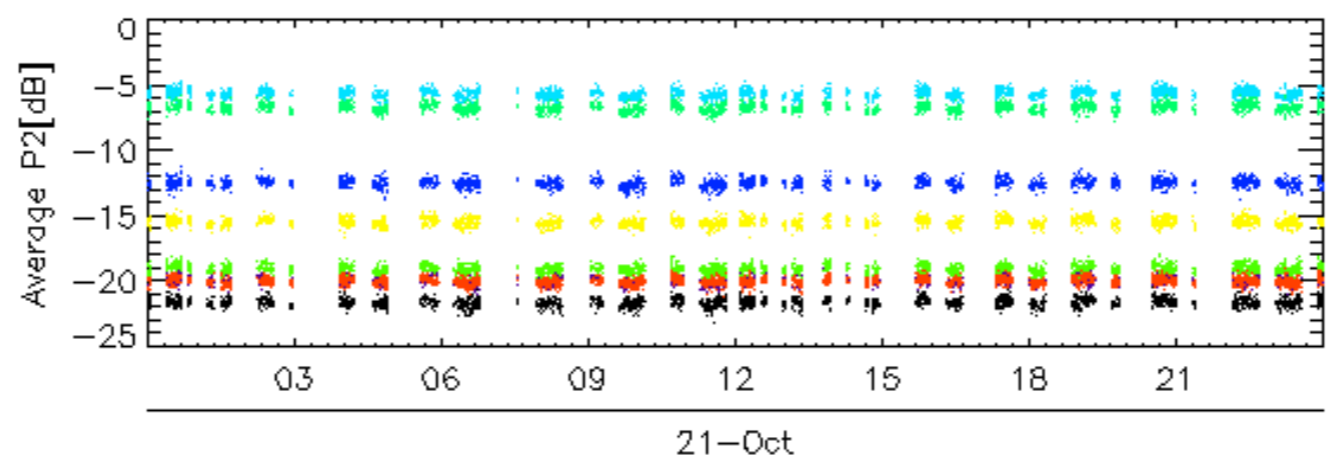
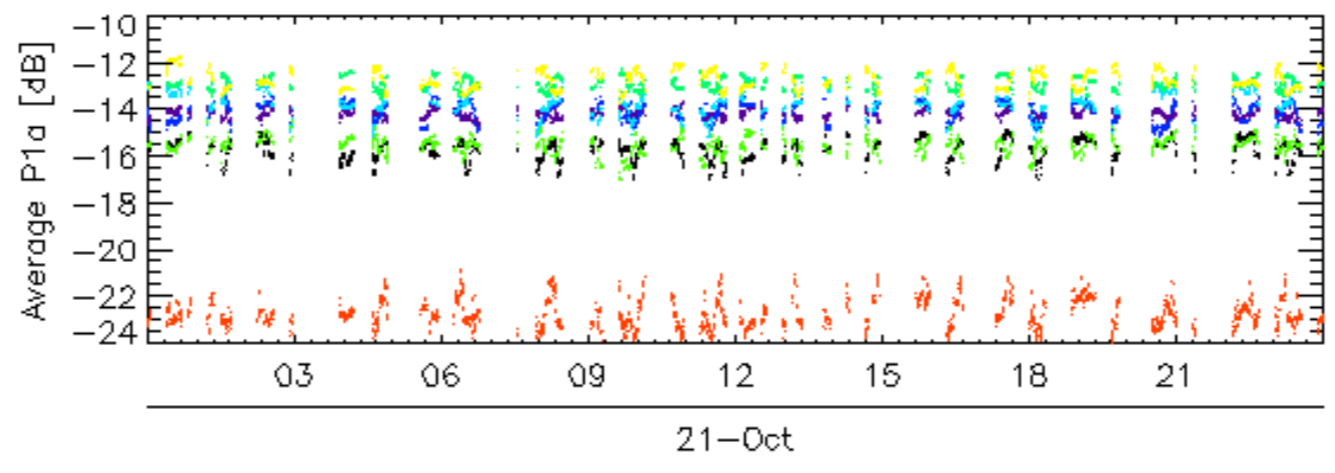
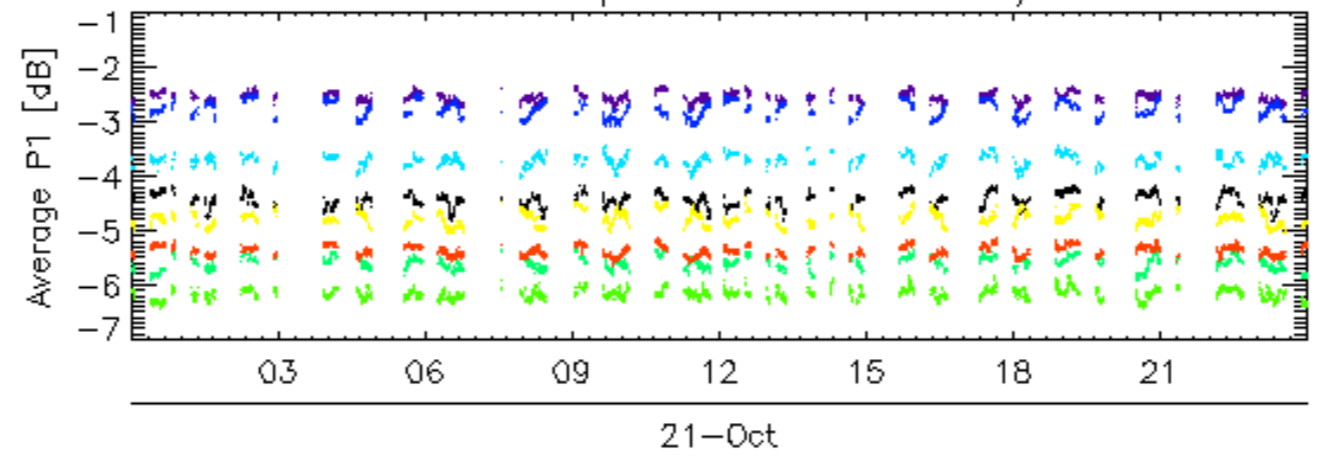
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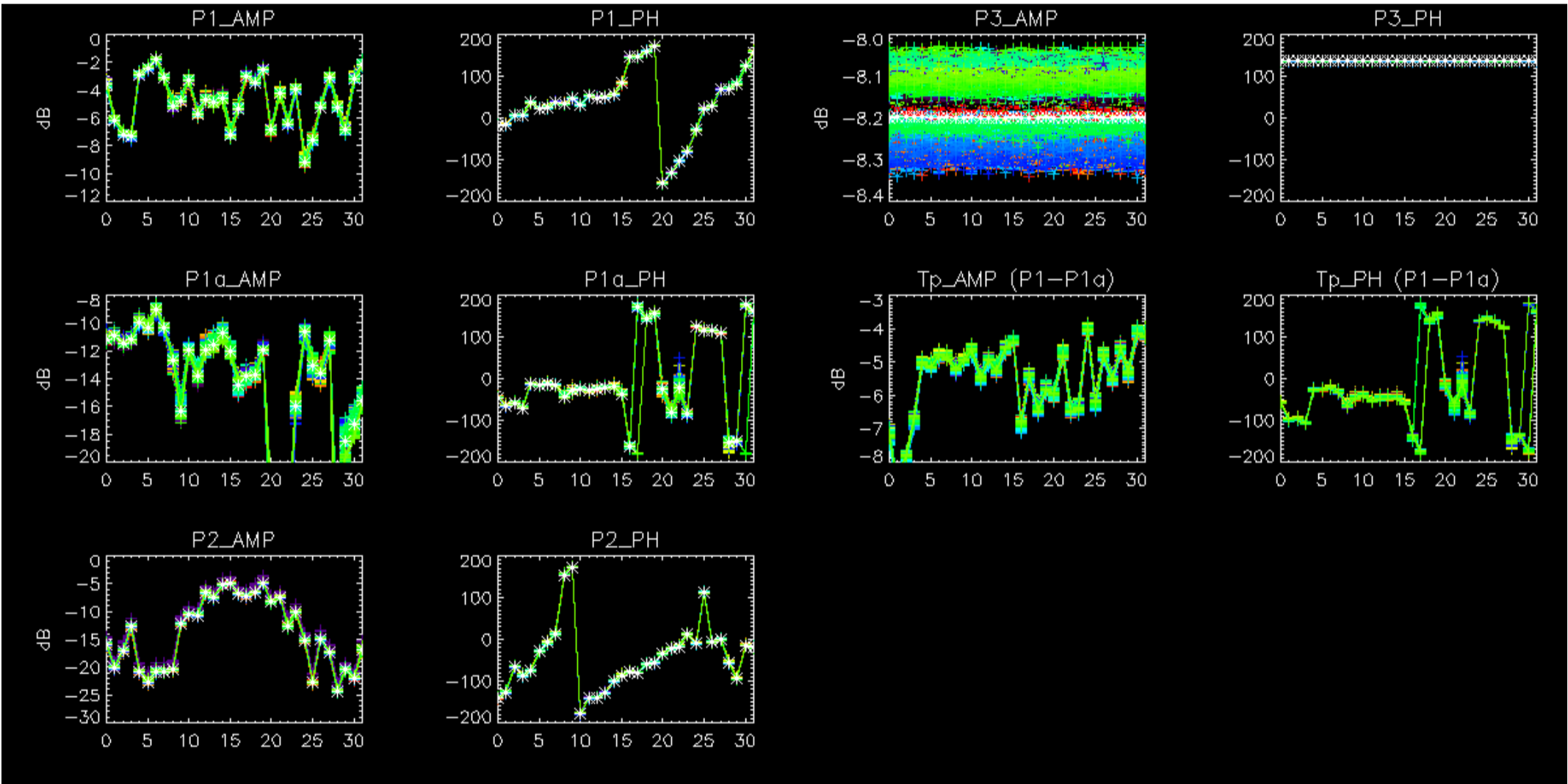


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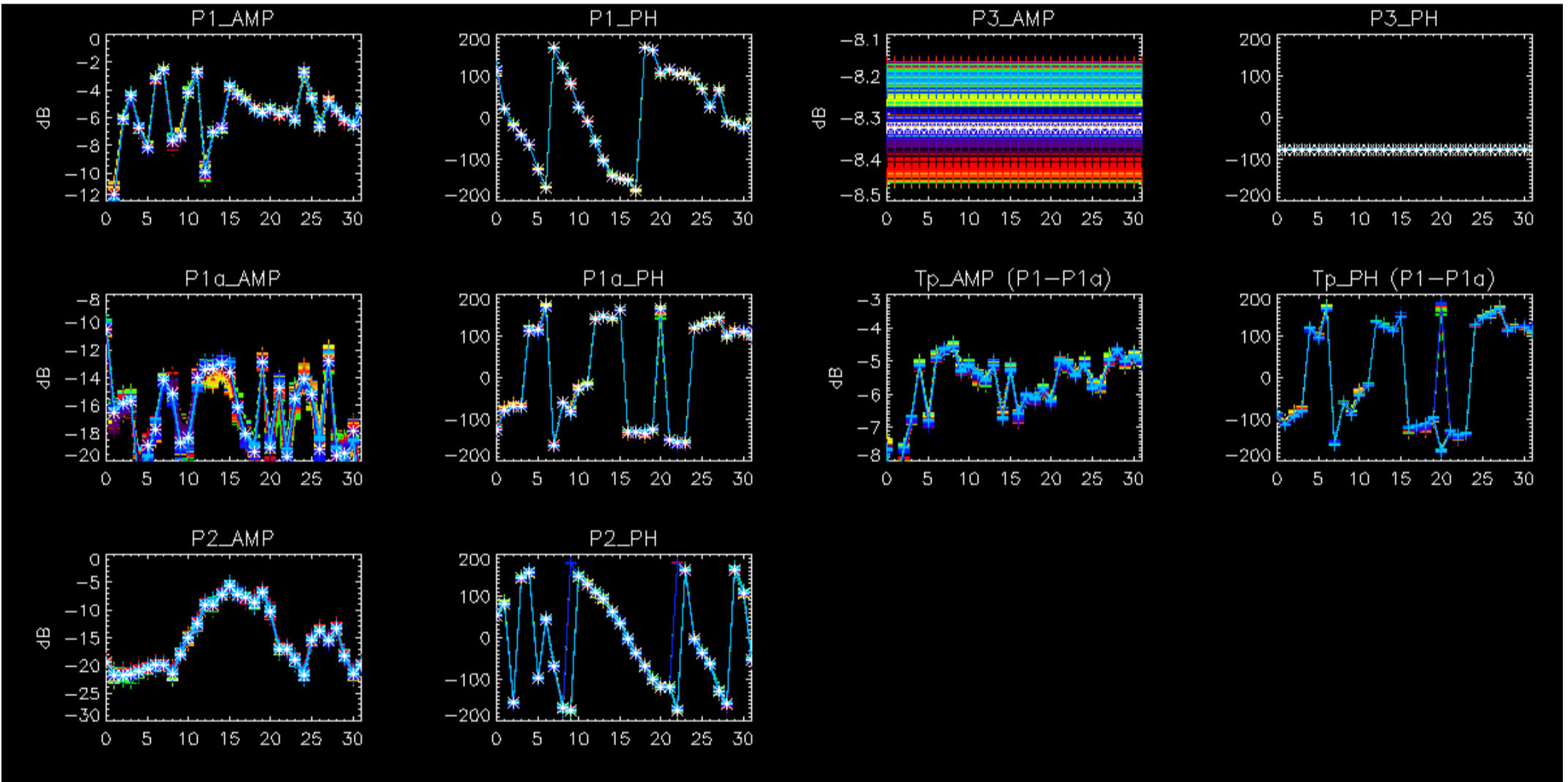
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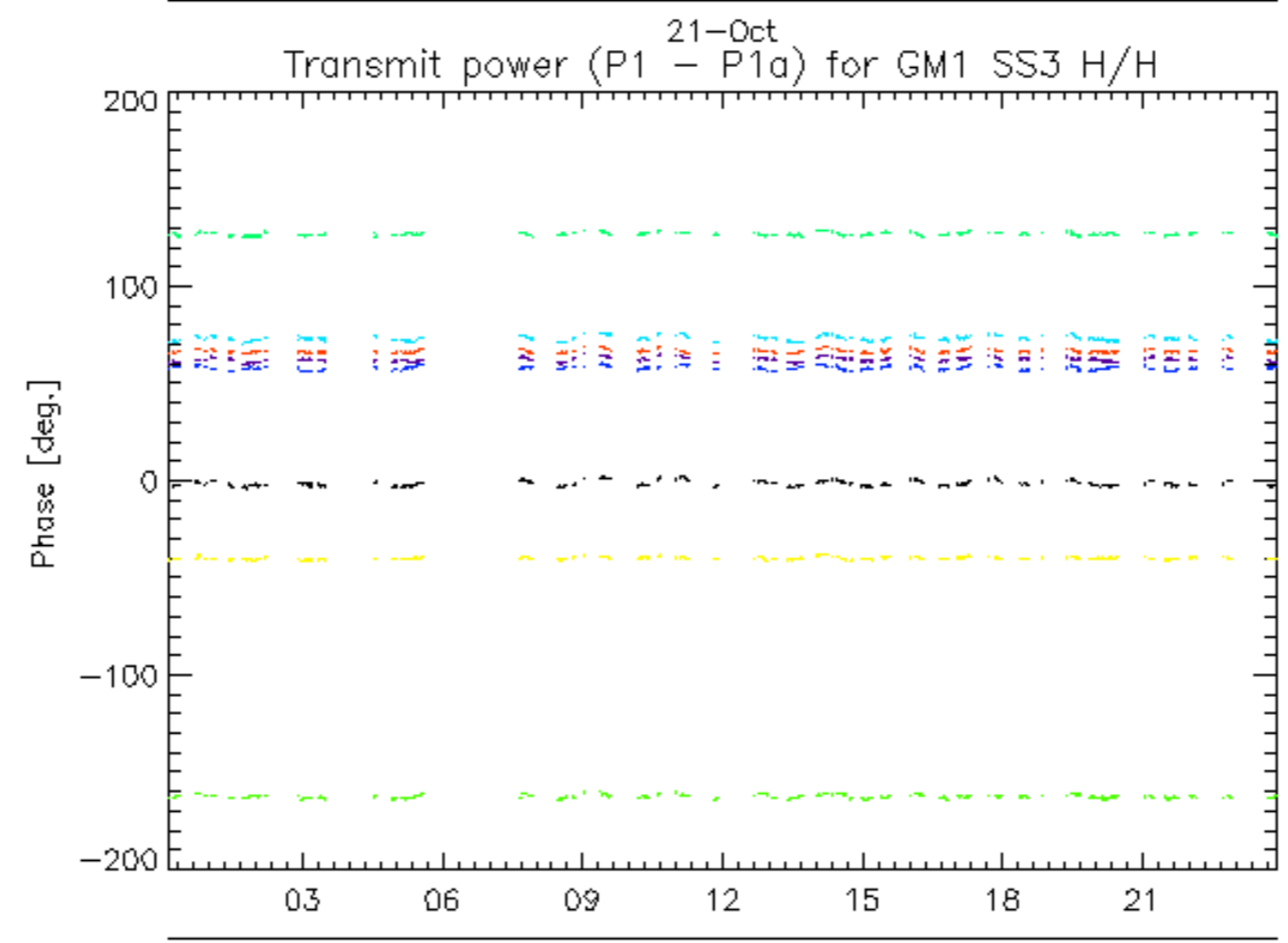
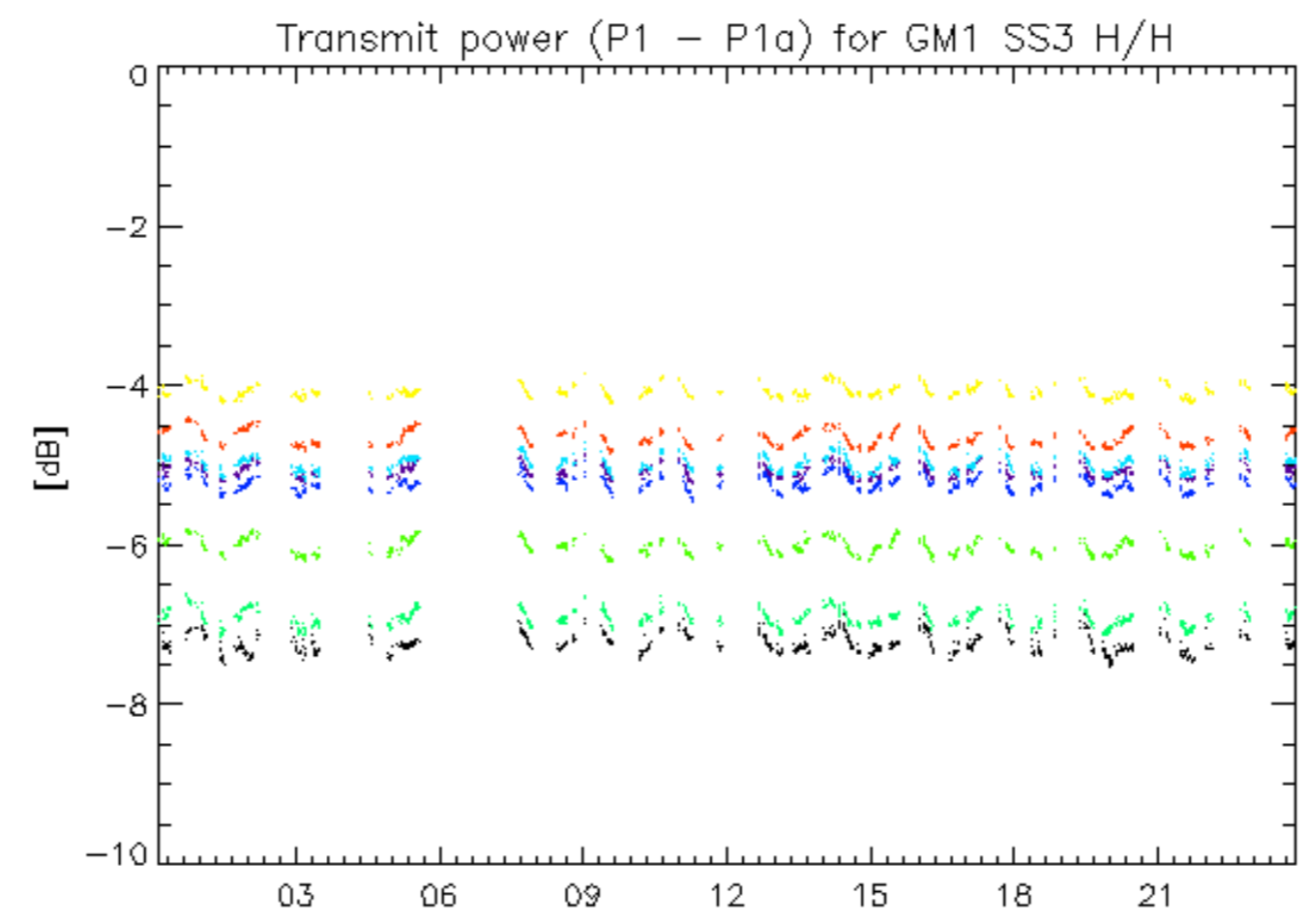
Calibration pulses for WVS IS2 V/V



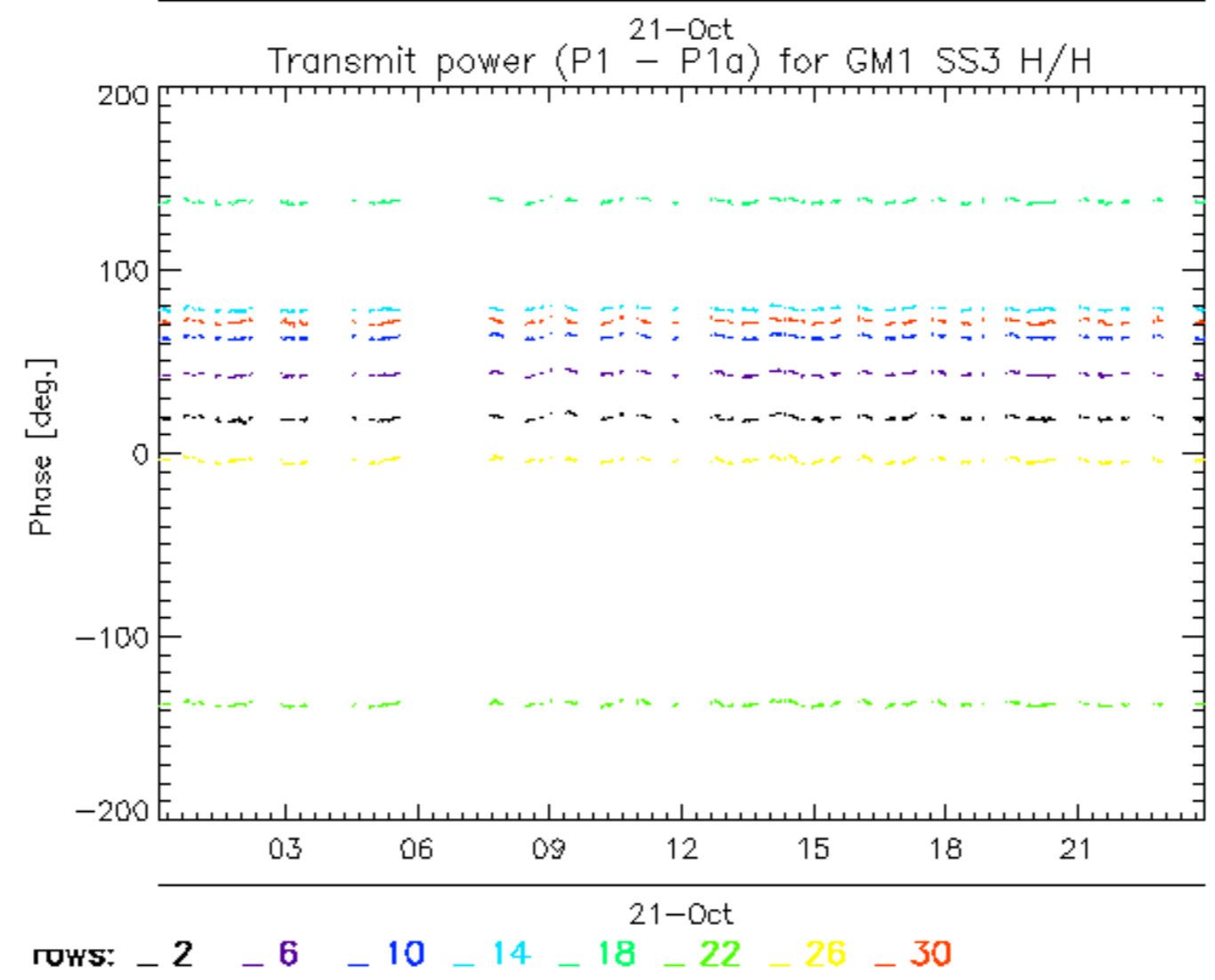
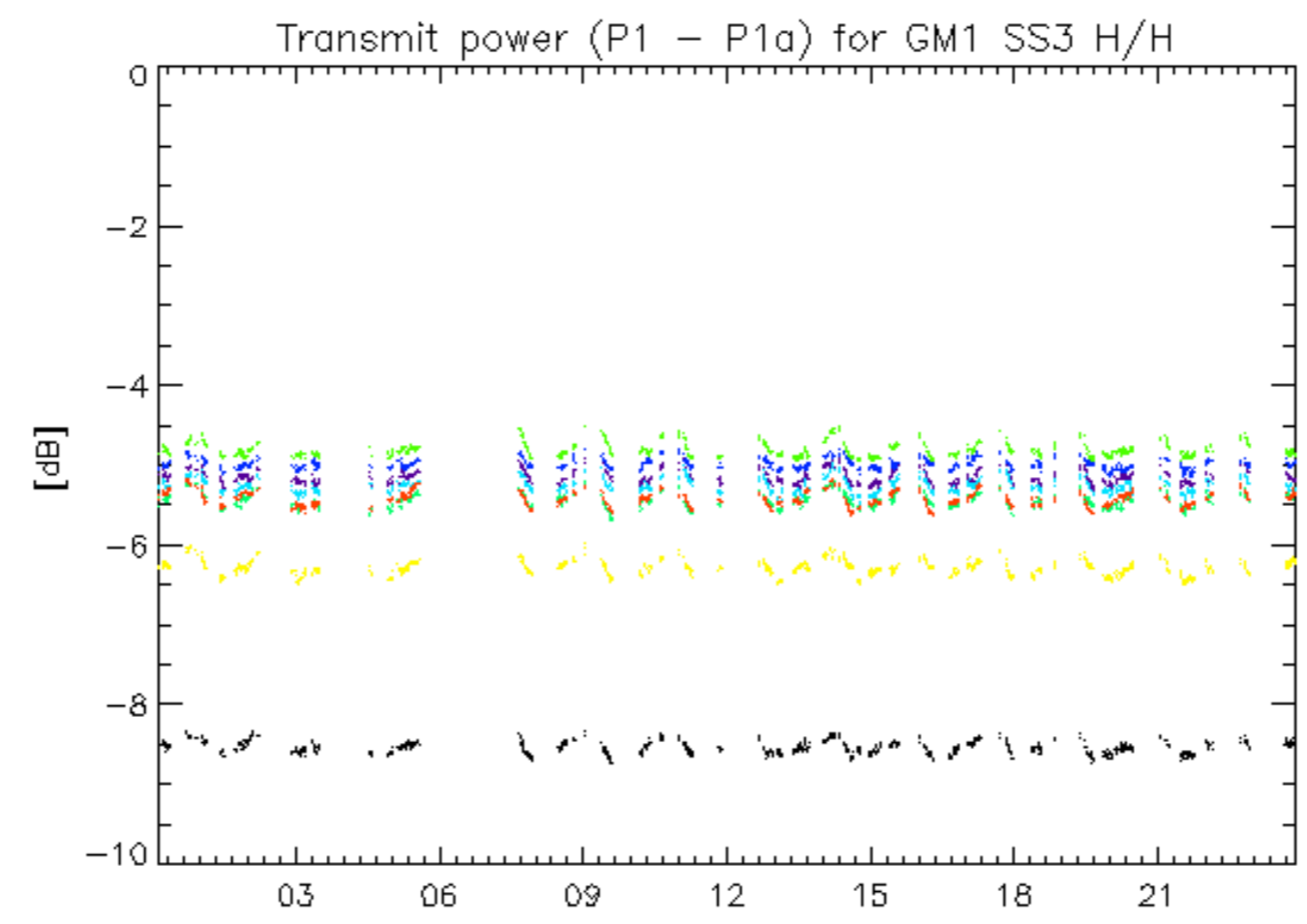




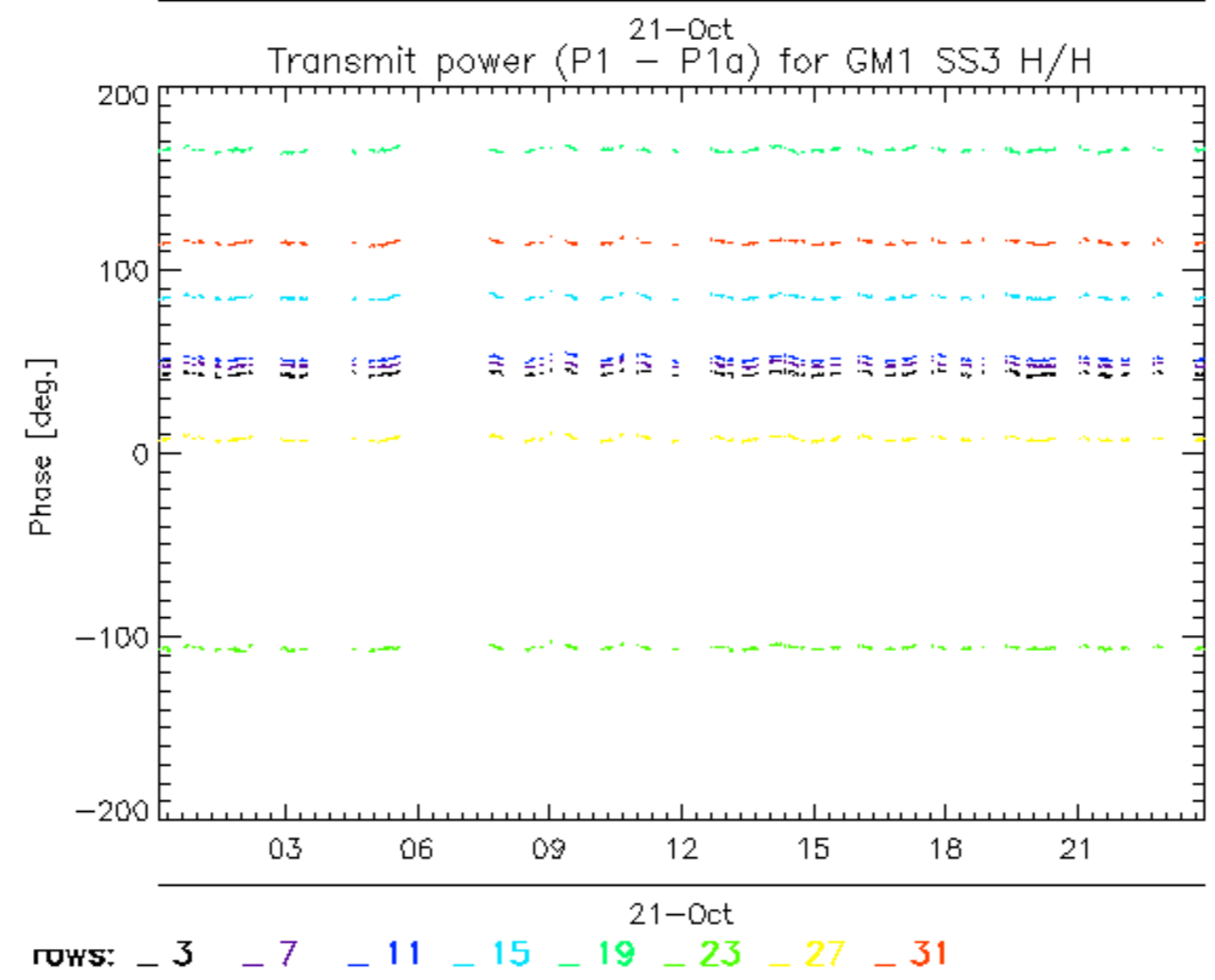
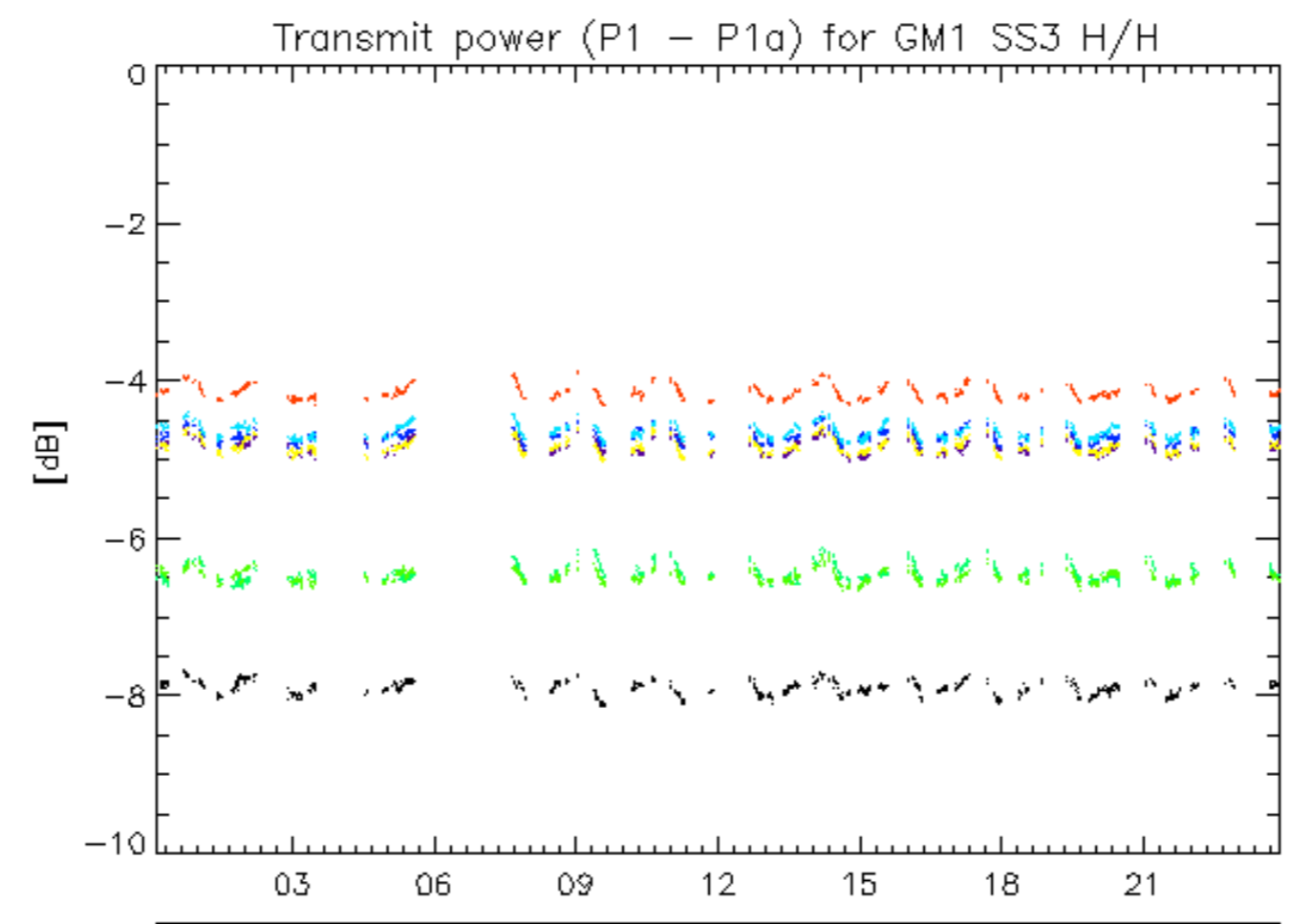


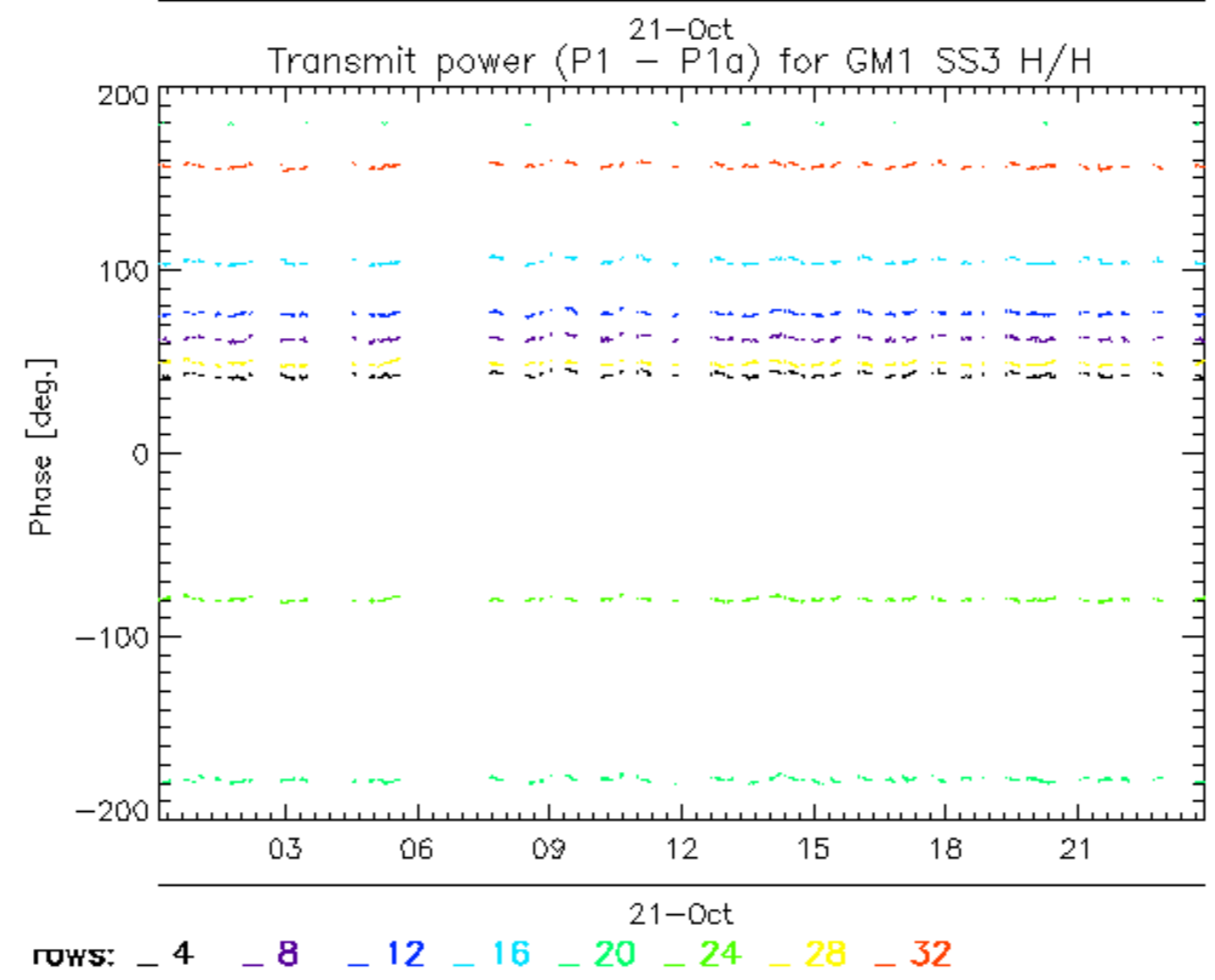
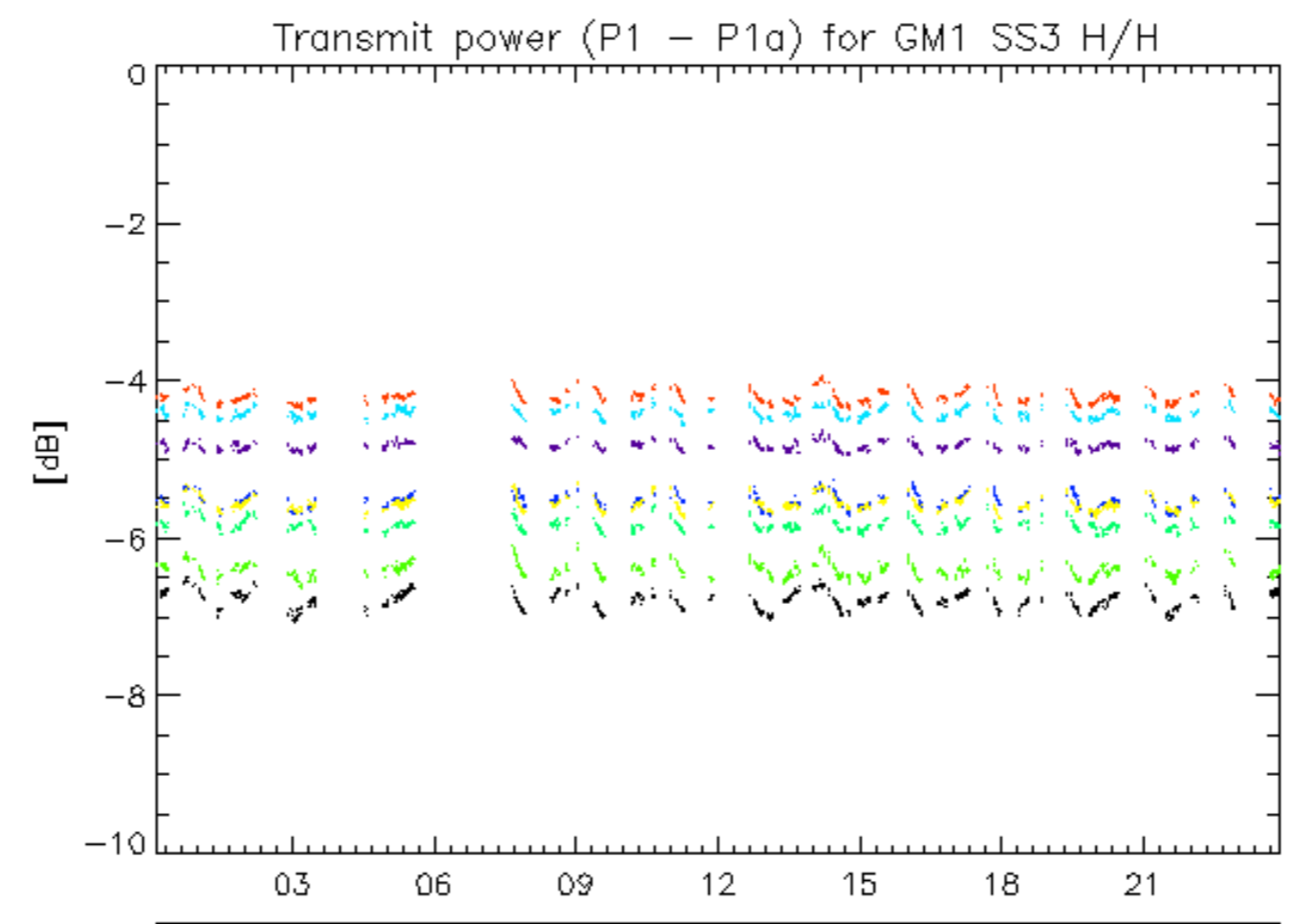


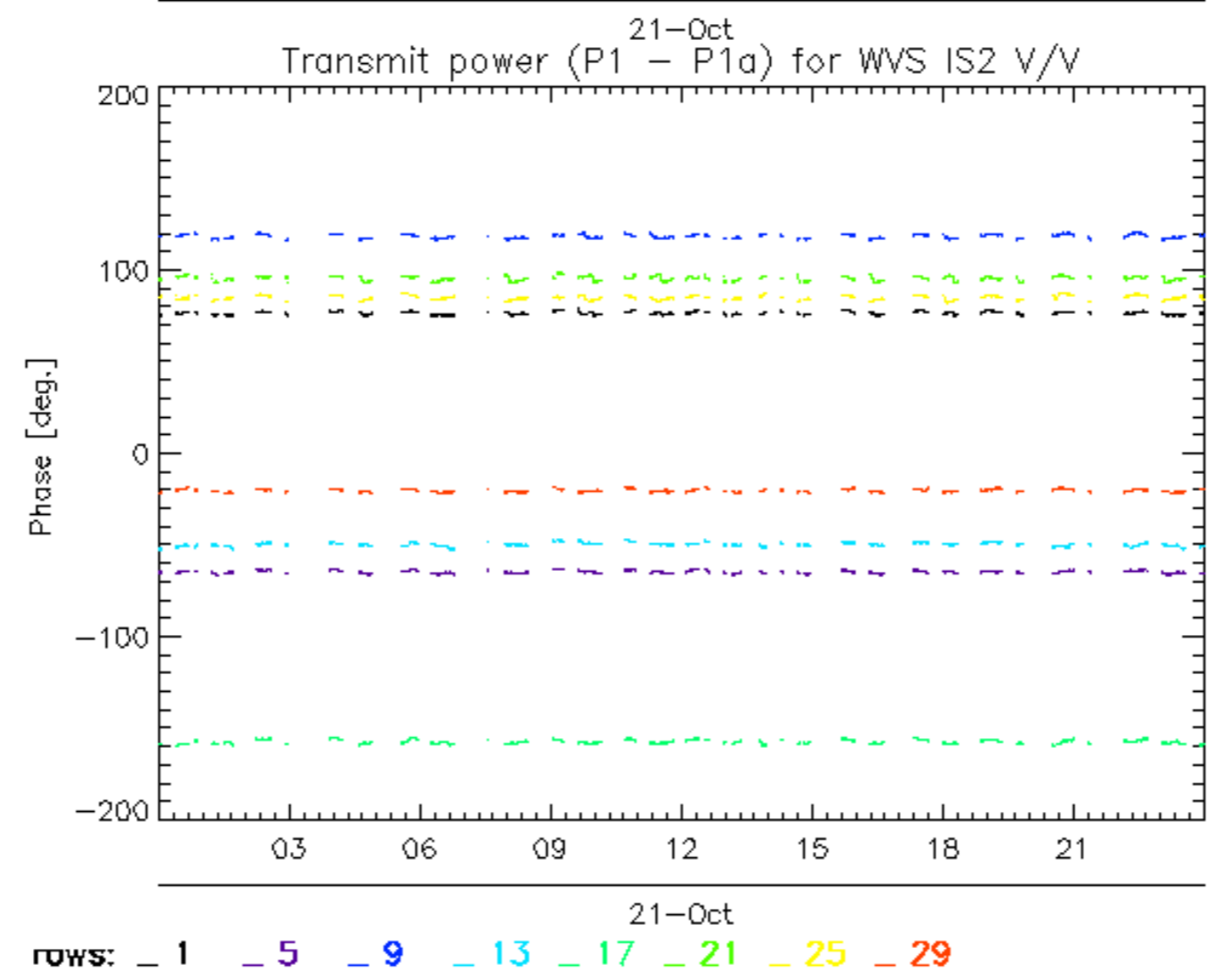
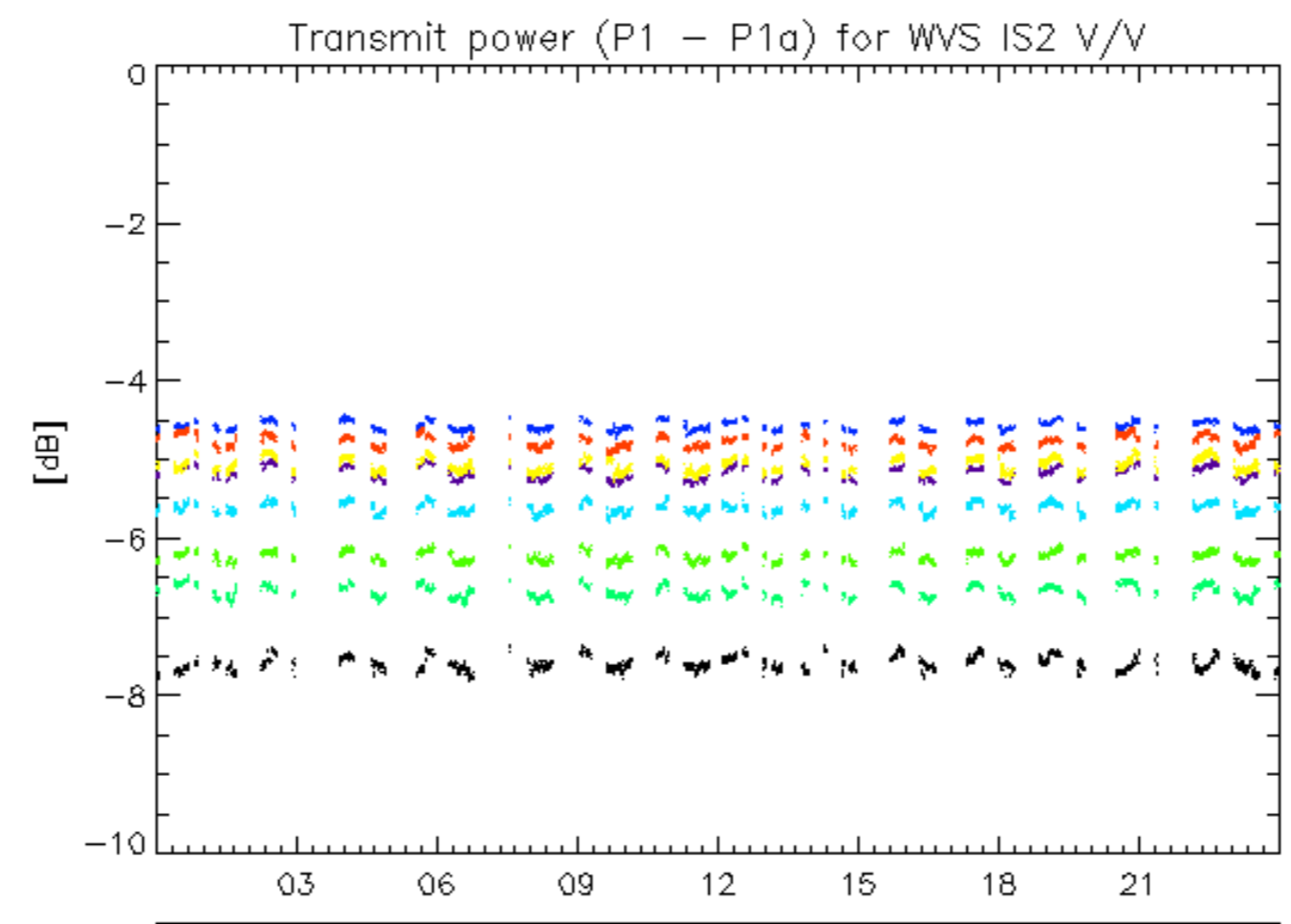
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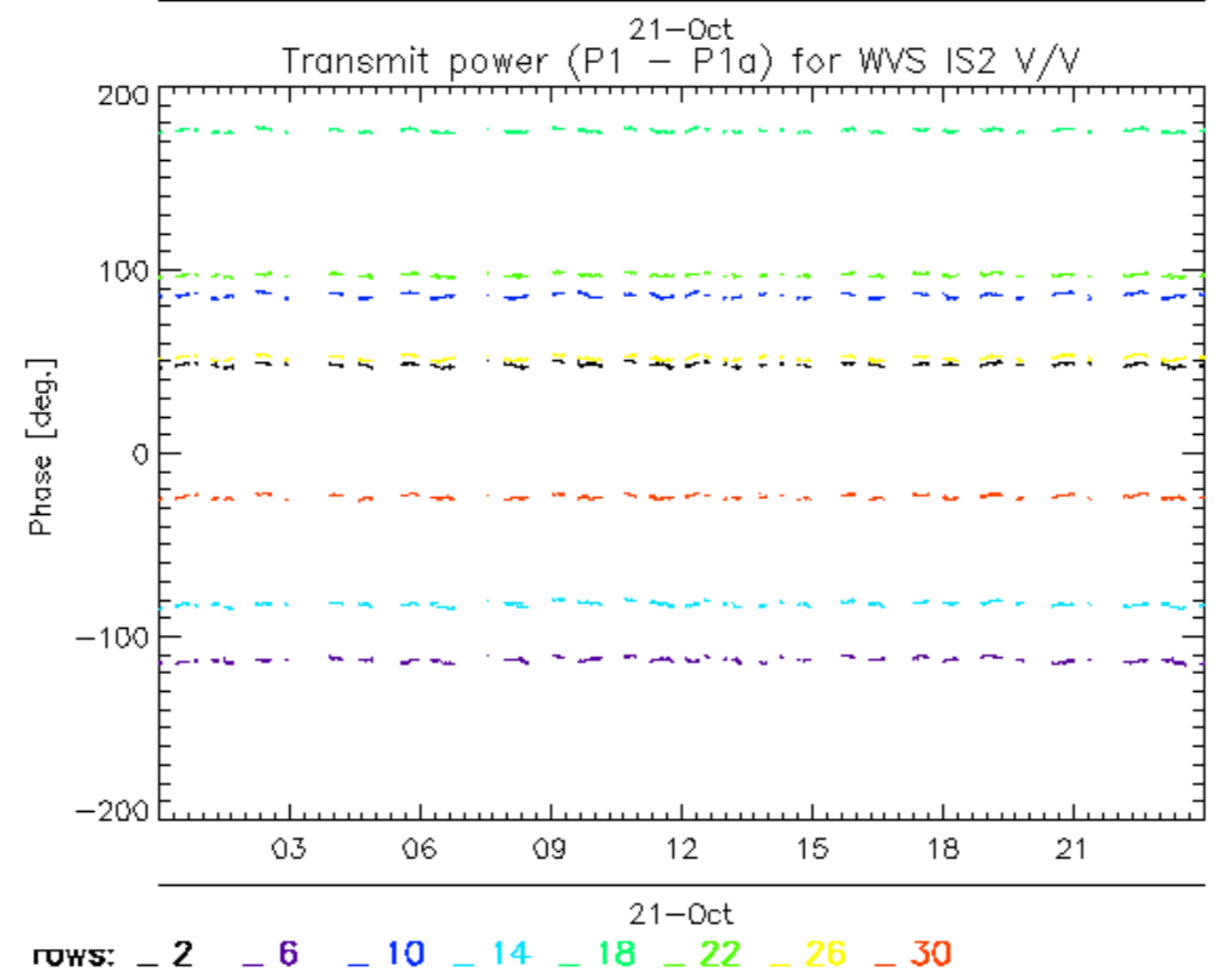
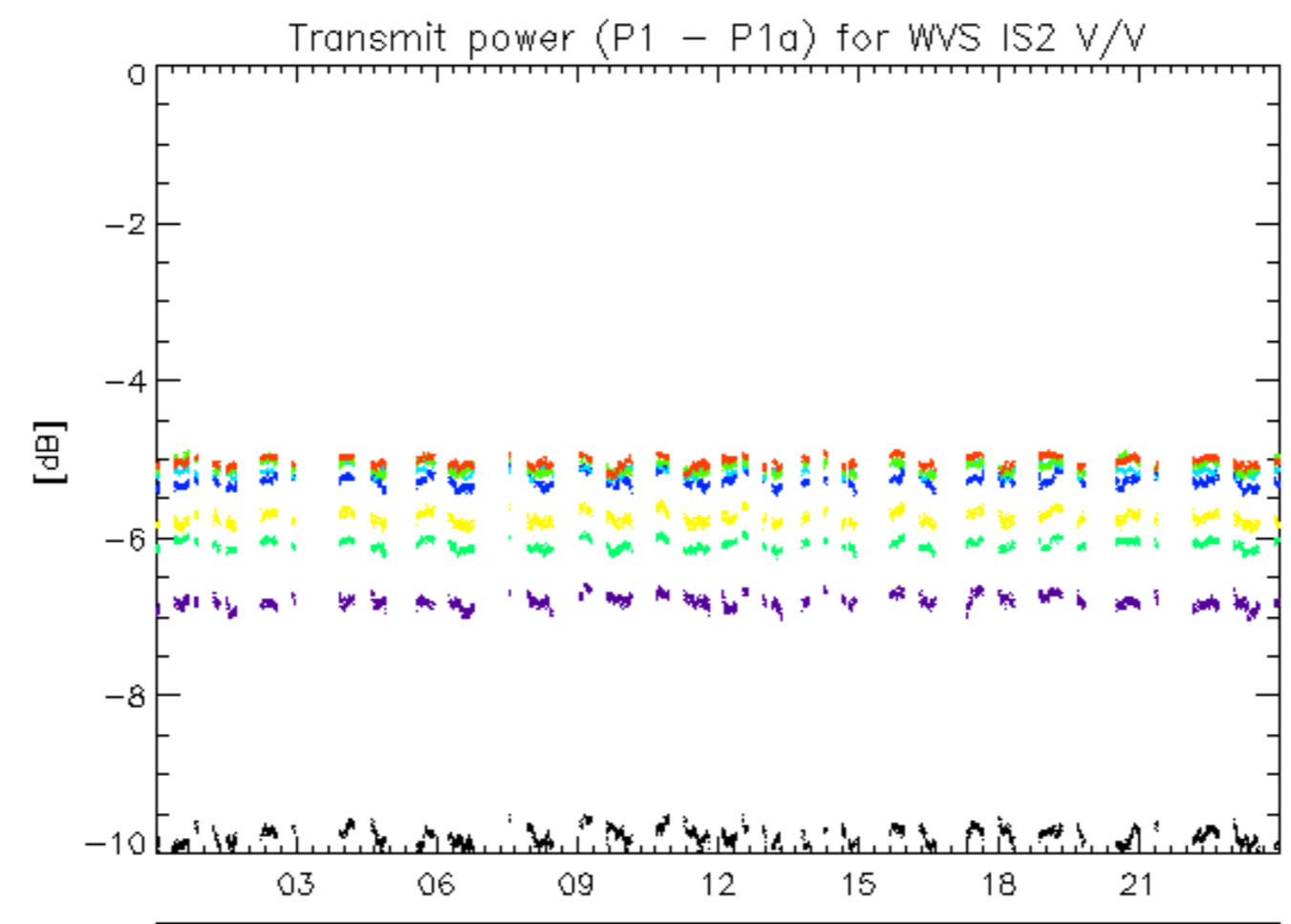




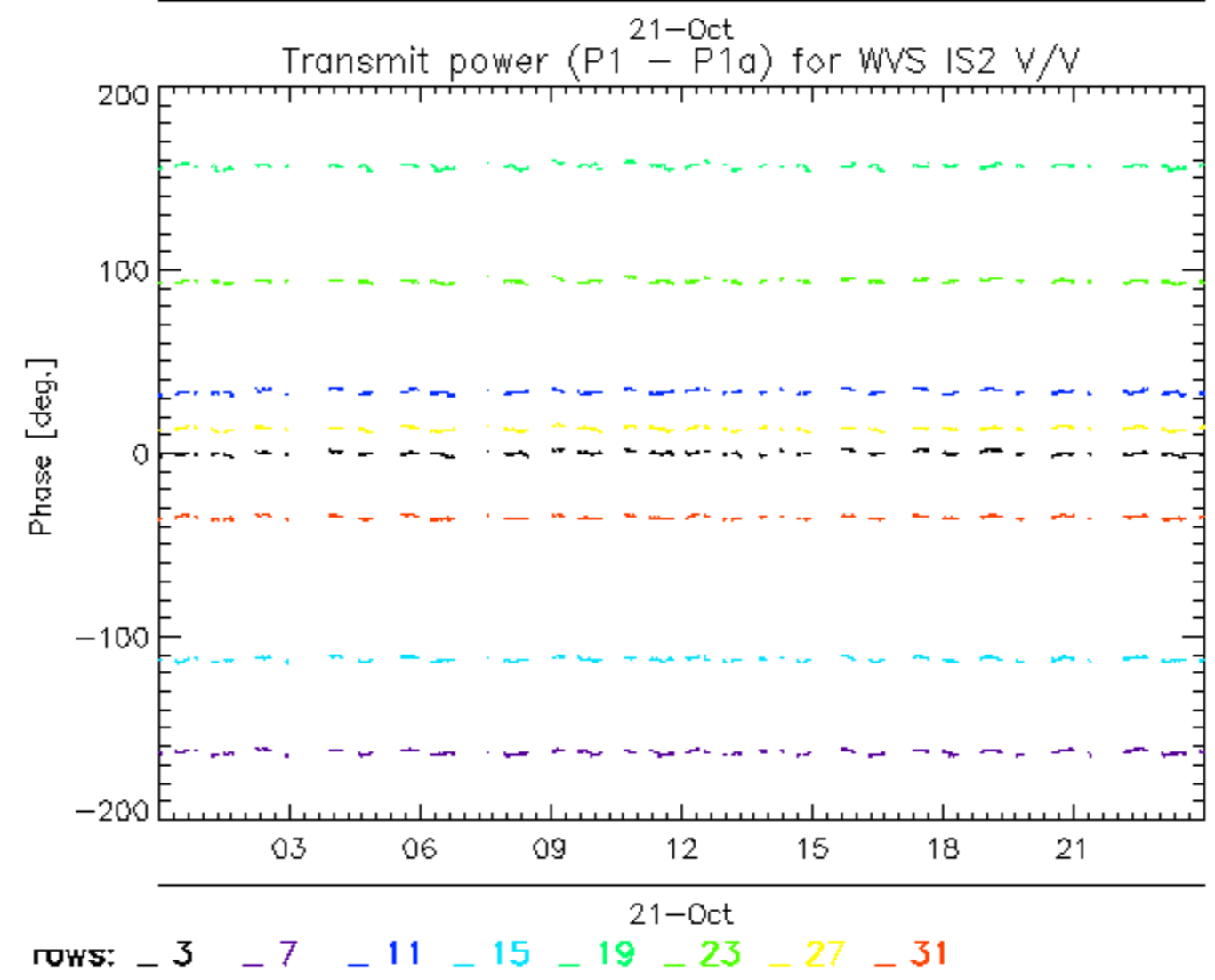
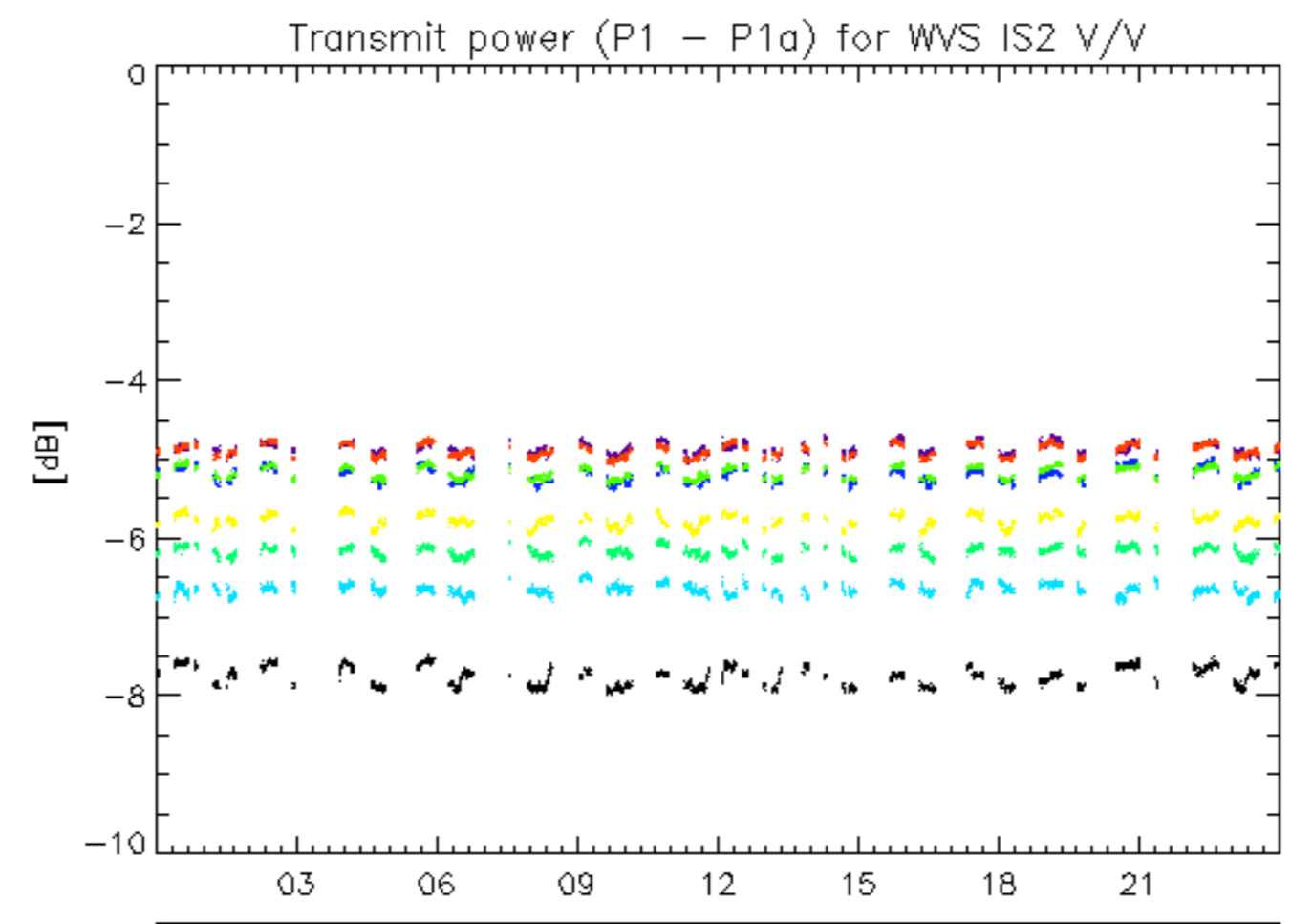


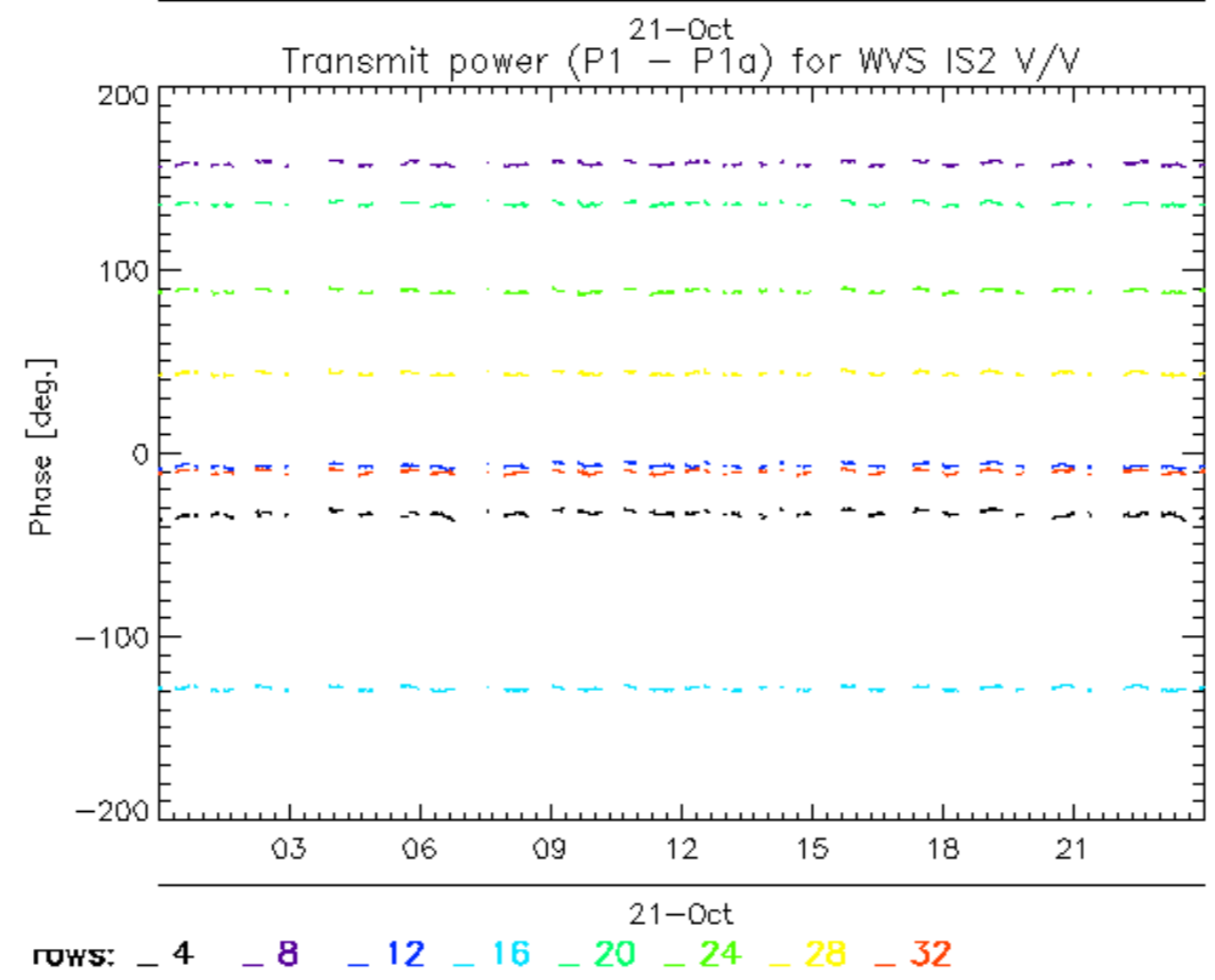
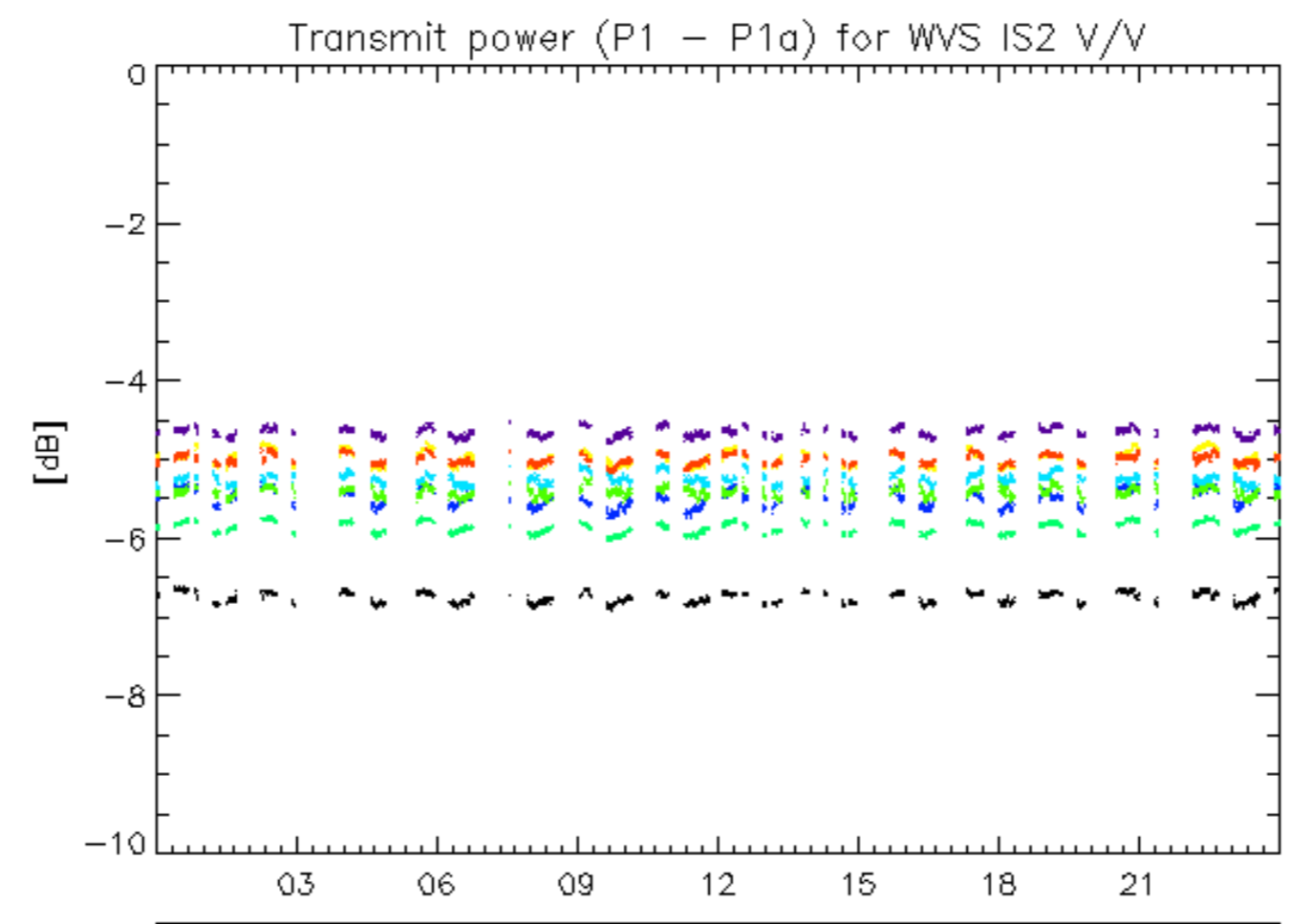


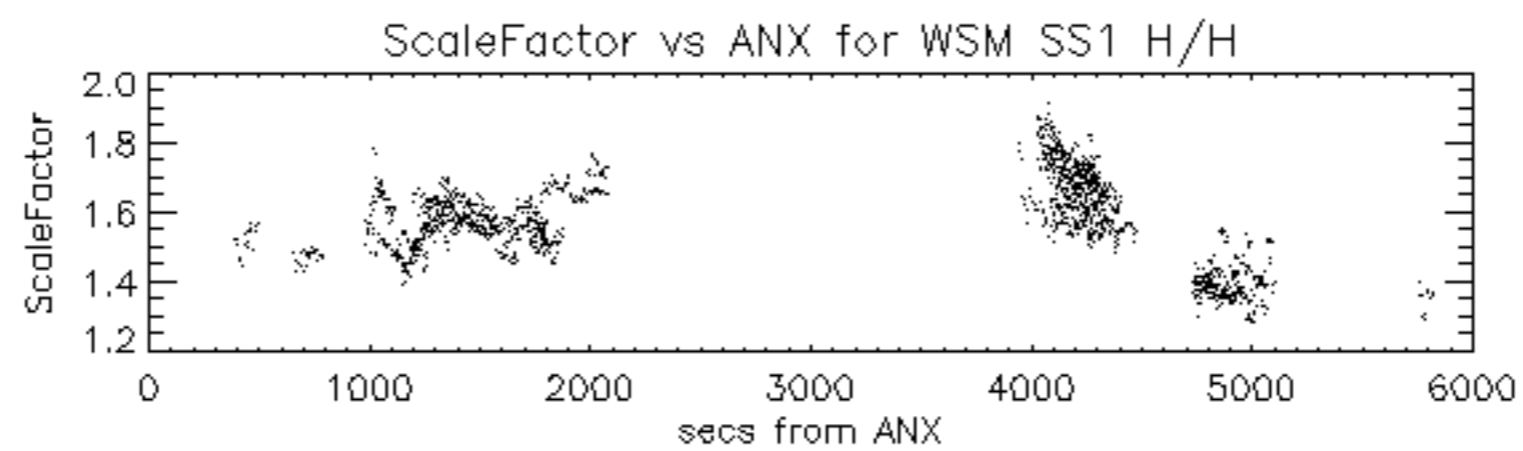


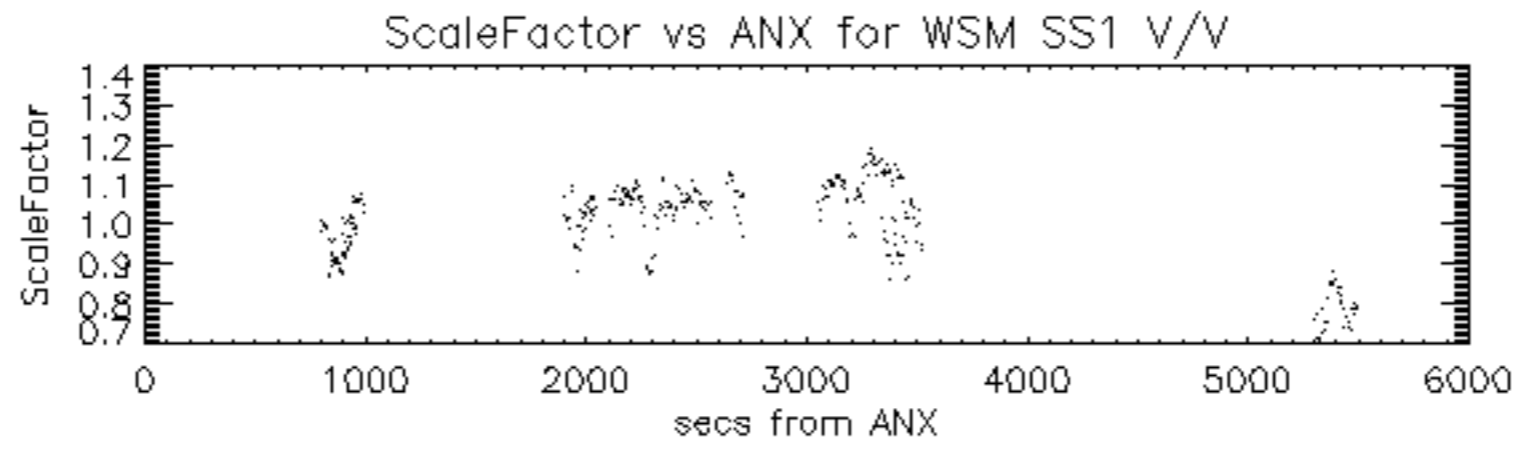




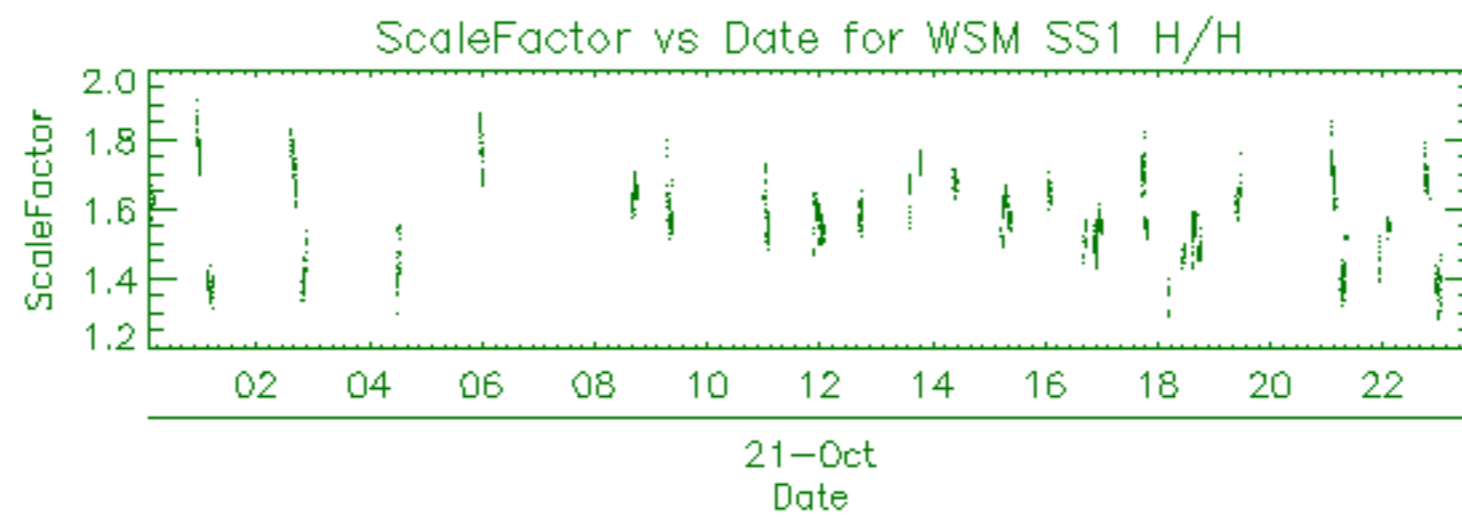


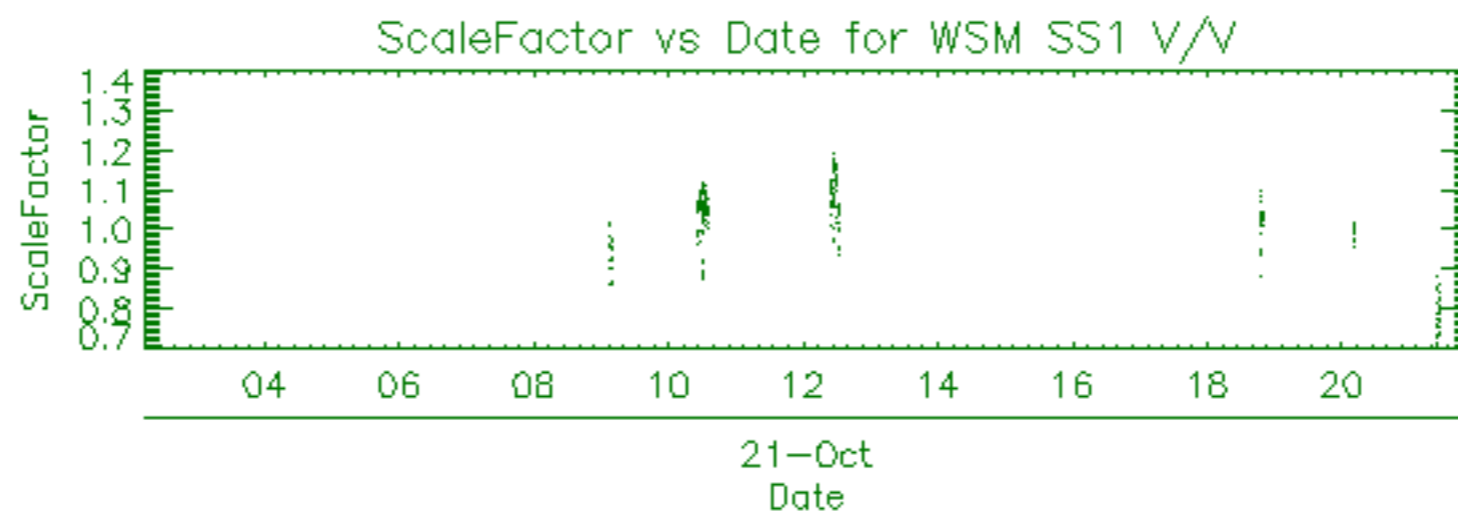












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion			
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ASA_APM_1PNPDE20091021_021021_000000432083_00318_39951_7584.N1						IS2	H/H	83	39951 318 4.07

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_GM1_1PNPDK20091021_102052_000002412083_00323_39956_3337.N1						SS1	H/H	83	39956	323	4.07
ASA_GM1_1PNPDK20091021_103527_000003142083_00323_39956_3339.N1						SS1	H/H	83	39956	323	4.07
ASA_GM1_1PNPDK20091021_105811_000001262083_00323_39956_3341.N1						SS1	H/H	83	39956	323	4.07
ASA_GM1_1PNPDK20091021_110557_000006762083_00323_39956_3346.N1						SS1	H/H	83	39956	323	4.07
ASA_GM1_1PNPDK20091021_114914_000002592083_00324_39957_3348.N1						SS1	H/H	83	39957	324	4.07
ASA_GM1_1PNPDK20091021_123847_000001692083_00324_39957_3379.N1						SS1	H/H	83	39957	324	4.07
ASA_GM1_1PNPDK20091021_124528_000007372083_00324_39957_3387.N1						SS1	H/H	83	39957	324	4.07
ASA_GM1_1PNPDK20091021_130213_000004712083_00324_39957_3392.N1						SS1	H/H	83	39957	324	4.07
ASA_GM1_1PNPDK20091021_132303_000007062083_00325_39958_3394.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_133641_000001262083_00325_39958_3411.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_133736_000003322083_00325_39958_3449.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_140103_000003082083_00325_39958_3451.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_140740_000001322083_00325_39958_3453.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_141037_000001502083_00325_39958_3458.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_141315_000001142083_00325_39958_3460.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_141923_000001632083_00325_39958_3462.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_142546_000007552083_00325_39958_3467.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_144403_000002292083_00325_39958_3469.N1						SS1	H/H	83	39958	325	4.07
ASA_GM1_1PNPDK20091021_145641_000009852083_00326_39959_3481.N1						SS1	H/H	83	39959	326	4.07
ASA_GM1_1PNPDK20091021_152433_000006282083_00326_39959_3506.N1						SS1	H/H	83	39959	326	4.07
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ASA_GM1_1PNPDK20091021_163828_000001572083_00327_39960_3513.N1						SS1	H/H	83	39960	327	4.07
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ASA_GM1_1PNPDK20091021_170130_000001322083_00327_39960_3550.N1						SS1	H/H	83	39960	327	4.07
ASA_GM1_1PNPDK20091021_170429_000004592083_00327_39960_3552.N1						SS1	H/H	83	39960	327	4.07
ASA_GM1_1PNPDK20091021_171258_000003142083_00327_39960_3554.N1						SS1	H/H	83	39960	327	4.07
ASA_GM1_1PNPDK20091021_174035_000000722083_00327_39960_3556.N1						SS1	H/H	83	39960	327	4.07
ASA_GM1_1PNPDK20091021_174935_000005792083_00327_39960_3564.N1						SS1	H/H	83	39960	327	4.07
ASA_GM1_1PNPDK20091021_182132_000002772083_00328_39961_3566.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_182845_000002472083_00328_39961_3571.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_183146_000002232083_00328_39961_3590.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_184943_000001082083_00328_39961_3592.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_192111_000001262083_00328_39961_3594.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_192759_000007312083_00328_39961_3599.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_195043_000008332083_00328_39961_3603.N1						SS1	H/H	83	39961	328	4.07
ASA_GM1_1PNPDK20091021_200633_000002472083_00329_39962_3601.N1						SS1	H/H	83	39962	329	4.07
ASA_GM1_1PNPDE20091021_201217_000010322083_00329_39962_8119.N1						SS1	H/H	83	39962	329	4.07
ASA_GM1_1PNPDE20091021_210146_000001082083_00329_39962_8105.N1						SS1	H/H	83	39962	329	4.07
ASA_GM1_1PNPDE20091021_210938_000002952083_00329_39962_8114.N1						SS1	H/H	83	39962	329	4.07



ASA_GM1_1PNPDE20091021_212743_000011062083_00329_39962_8189.N1	SS1	H/H	83	39962	329	4.07
ASA_GM1_1PNPDE20091021_220037_000002592083_00330_39963_8168.N1	SS1	H/H	83	39963	330	4.07
ASA_GM1_1PNPDE20091021_220647_000001142083_00330_39963_8173.N1	SS1	H/H	83	39963	330	4.07
ASA_GM1_1PNPDE20091021_224222_000000902083_00330_39963_8175.N1	SS1	H/H	83	39963	330	4.07
ASA_GM1_1PNPDE20091021_224904_000003802083_00330_39963_8183.N1	SS1	H/H	83	39963	330	4.07
ASA_GM1_1PNPDE20091021_234029_000007552083_00331_39964_8226.N1	SS1	H/H	83	39964	331	4.07

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_IMM_1PNPDE20091021_001115_000000822083_00317_39950_7530.N1						IS2	H/H	83	39950	317	4.07
ASA_IMM_1PNPDE20091021_020553_000002392083_00318_39951_7615.N1						IS2	V/V	83	39951	318	4.07
ASA_IMM_1PNPDE20091021_022126_000000402083_00318_39951_7586.N1						IS2	V/V	83	39951	318	4.07
ASA_IMM_1PNPDE20091021_030739_000000792083_00318_39951_7768.N1						IS7	H/H	83	39951	318	4.07
ASA_IMM_1PNPDE20091021_045903_000000672083_00320_39953_7756.N1						IS2	V/V	83	39953	320	4.07
ASA_IMM_1PNPDE20091021_050226_000000432083_00320_39953_7703.N1						IS2	V/V	83	39953	320	4.07
ASA_IMM_1PNPDE20091021_050549_000000662083_00320_39953_7770.N1						IS4	V/V	83	39953	320	4.07
ASA_IMM_1PNPDK20091021_081641_000000452083_00322_39955_3242.N1						IS1	V/V	83	39955	322	4.07
ASA_IMM_1PNPDK20091021_134309_000001452083_00325_39958_3438.N1						IS2	H/H	83	39958	325	4.07
ASA_IMM_1PNPDE20091021_140949_000000372083_00325_39958_7999.N1						IS2	V/V	83	39958	325	4.07
ASA_IMM_1PNPDE20091021_171210_000000372083_00327_39960_8039.N1						IS2	V/V	83	39960	327	4.07
ASA_IMM_1PNPDE20091021_182028_000000522083_00328_39961_8047.N1						IS6	V/V	83	39961	328	4.07
ASA_IMM_1PNPDK20091021_215752_000001542083_00330_39963_3633.N1						IS2	H/H	83	39963	330	4.07
ASA_IMM_1PNPDK20091021_233611_000001602083_00331_39964_3645.N1						IS2	H/H	83	39964	331	4.07
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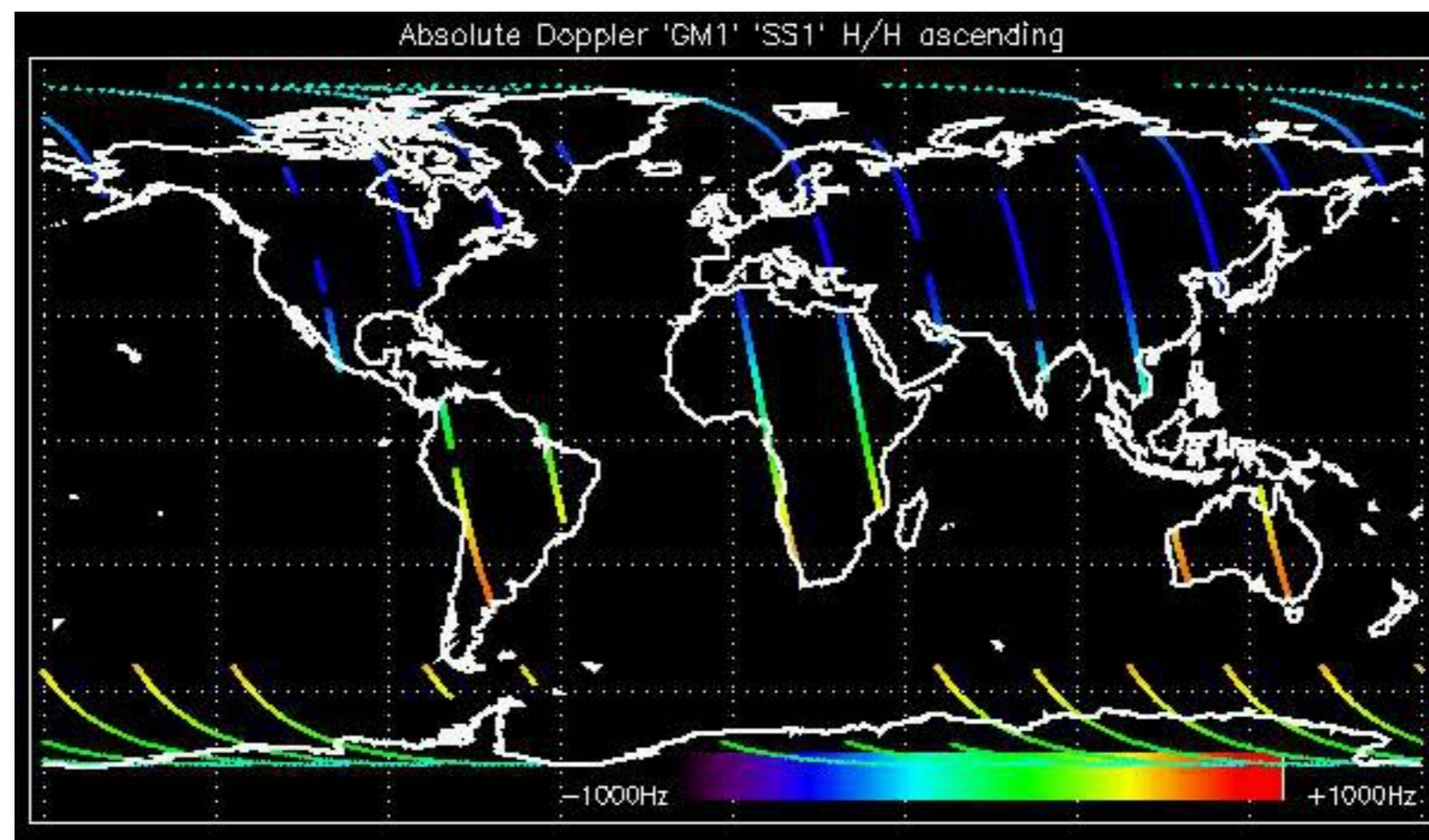
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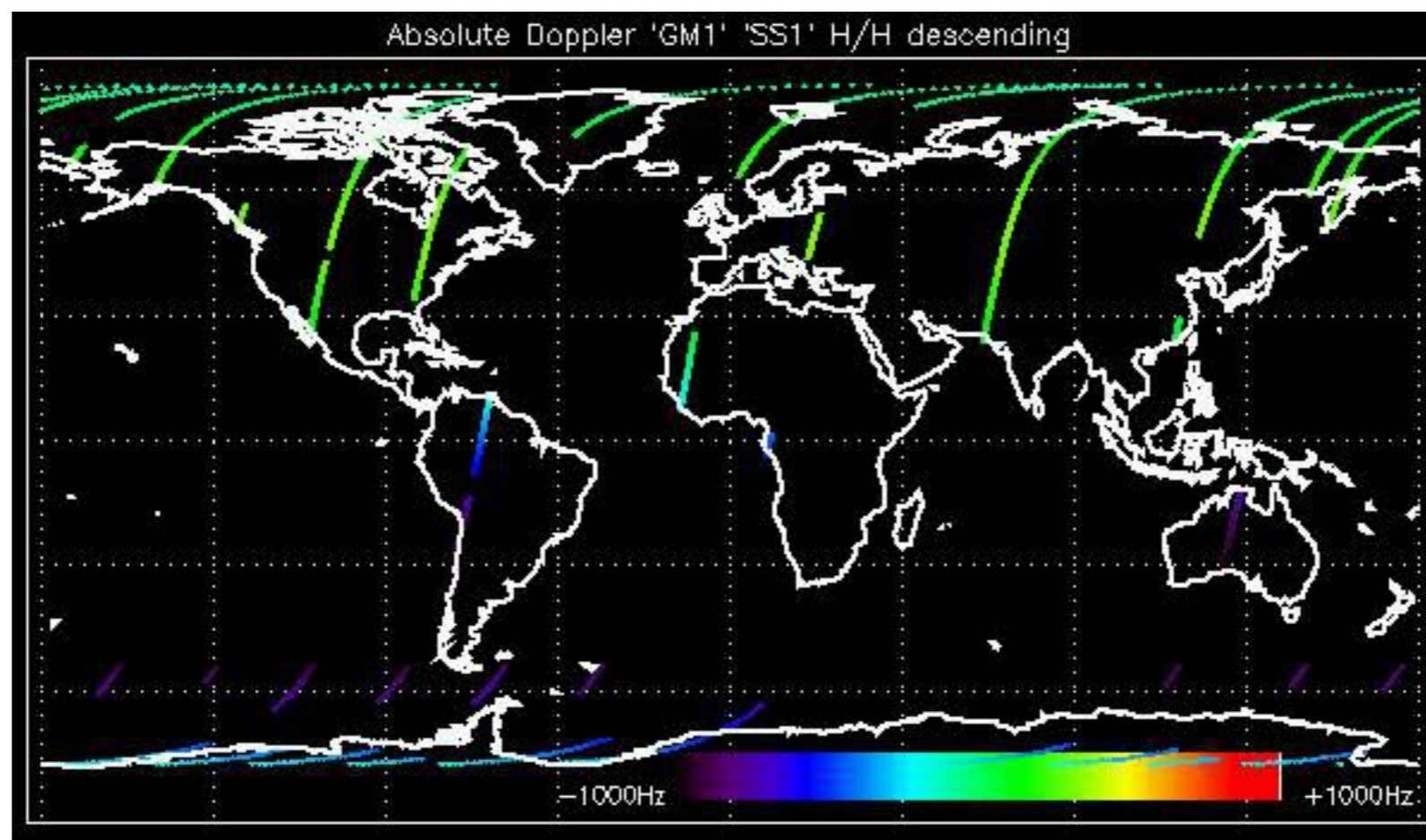


Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WSM_1PNPDE20091021_000500_000001352083_00317_39950_7582.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_000500_00000732083_00317_39950_7517.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_000836_00000972083_00317_39950_7544.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_005602_000002512083_00317_39950_7557.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_005602_000002752083_00317_39950_7578.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_010738_000003122083_00317_39950_7613.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_010738_000003302083_00317_39950_7619.N1						SS1	H/H	83	39950	317	4.07
ASA_WSM_1PNPDE20091021_021317_00000912083_00318_39951_7617.N1						SS1	V/V	83	39951	318	4.07
ASA_WSM_1PNPDE20091021_023617_000004042083_00318_39951_7699.N1						SS1	H/H	83	39951	318	4.07
ASA_WSM_1PNPDE20091021_024814_000002752083_00318_39951_7758.N1						SS1	H/H	83	39951	318	4.07
ASA_WSM_1PNPDE20091021_024928_000002012083_00318_39951_7701.N1						SS1	H/H	83	39951	318	4.07
ASA_WSM_1PNPDE20091021_042851_000002142083_00319_39952_7804.N1						SS1	H/H	83	39952	319	4.07
ASA_WSM_1PNPDE20091021_055733_000001532083_00320_39953_7802.N1						SS1	H/H	83	39953	320	4.07
ASA_WSM_1PNPDE20091021_060035_00000922083_00320_39953_7806.N1						SS1	H/H	83	39953	320	4.07
ASA_WSM_1PNPDE20091021_060149_00000182083_00320_39953_7774.N1						SS1	H/H	83	39953	320	4.07
ASA_WSM_1PNPDK20091021_083921_000004342083_00322_39955_3268.N1						SS1	H/H	83	39955	322	4.07
ASA_WSM_1PNPDK20091021_090720_000001352083_00322_39955_3308.N1						SS1	V/V	83	39955	322	4.07
ASA_WSM_1PNPDK20091021_091716_000003422083_00322_39955_3326.N1						SS1	H/H	83	39955	322	4.07
ASA_WSM_1PNPDK20091021_102458_00000912083_00323_39956_3322.N1						SS1	V/V	83	39956	323	4.07
ASA_WSM_1PNPDK20091021_102716_000001652083_00323_39956_3324.N1						SS1	V/V	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_102812_000004342083_00323_39956_7989.N1						SS1	V/V	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_102925_000001152083_00323_39956_7985.N1						SS1	V/V	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_103222_00000612083_00323_39956_7969.N1						SS1	V/V	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_110020_00000922083_00323_39956_7983.N1						SS1	H/H	83	39956	323	4.07
ASA_WSM_1PNPDK20091021_110237_000001282083_00323_39956_3442.N1						SS1	H/H	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_110300_00000732083_00323_39956_7955.N1						SS1	H/H	83	39956	323	4.07
ASA_WSM_1PNPDE20091021_110300_000001712083_00323_39956_7987.N1						SS1	H/H	83	39956	323	4.07
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ASA_WSM_1PNPDE20091021_115339_000001902083_00324_39957_7975.N1						SS1	H/H	83	39957	324	4.07
ASA_WSM_1PNPDK20091021_115614_000001902083_00324_39957_3372.N1						SS1	H/H	83	39957	324	4.07
ASA_WSM_1PNPDK20091021_115937_000002932083_00324_39957_3374.N1						SS1	H/H	83	39957	324	4.07
ASA_WSM_1PNPDE20091021_122340_000004892083_00324_39957_7981.N1						SS1	V/V	83	39957	324	4.07
ASA_WSM_1PNPDK20091021_124137_000002262083_00324_39957_3444.N1						SS1	H/H	83	39957	324	4.07
ASA_WSM_1PNPDK20091021_133454_000001032083_00325_39958_3440.N1						SS1	H/H	83	39958	325	4.07
ASA_WSM_1PNPDE20091021_134633_000001092083_00325_39958_8021.N1						SS1	H/H	83	39958	325	4.07
ASA_WSM_1PNPDE20091021_142210_000002132083_00325_39958_8029.N1						SS1	H/H	83	39958	325	4.07
ASA_WSM_1PNPDK20091021_151310_000005372083_00326_39959_3504.N1						SS1	H/H	83	39959	326	4.07
ASA_WSM_1PNPDE20091021_152239_000001092083_00326_39959_8041.N1						SS1	H/H	83	39959	326	4.07
ASA_WSM_1PNPDE20091021_160314_000001592083_00326_39959_8043.N1						SS1	H/H	83	39959	326	4.07
ASA_WSM_1PNPDE20091021_164111_000001212083_00327_39960_8045.N1						SS1	H/H	83	39960	327	4.07
ASA_WSM_1PNPDK20091021_165126_000005992083_00327_39960_3548.N1						SS1	H/H	83	39960	327	4.07
ASA_WSM_1PNPDE20091021_165323_000001522083_00327_39960_8031.N1						SS1	H/H	83	39960	327	4.07
ASA_WSM_1PNPDE20091021_174152_000004582083_00327_39960_8093.N1						SS1	H/H	83	39960	327	4.07
ASA_WSM_1PNPDE20091021_181032_00000912083_00327_39960_8099.N1						SS1	H/H	83	39960	327	4.07
ASA_WSM_1PNPDE20091021_182611_000001532083_00328_39961_8095.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDK20091021_183532_000003542083_00328_39961_3588.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDE20091021_184044_000001652083_00328_39961_8103.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDE20091021_184158_00000902083_00328_39961_8091.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDE20091021_184402_000001342083_00328_39961_8097.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDE20091021_184649_000001702083_00328_39961_8101.N1						SS1	V/V	83	39961	328	4.07
ASA_WSM_1PNPDE20091021_192323_000002692083_00328_39961_8166.N1						SS1	H/H	83	39961	328	4.07
ASA_WSM_1PNPDK20091021_201042_00000922083_00329_39962_3615.N1						SS1	V/V	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_210340_000003542083_00329_39962_8254.N1						SS1	H/H	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_210554_00000552083_00329_39962_8158.N1						SS1	H/H	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_211436_000003732083_00329_39962_8252.N1						SS1	H/H	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_211436_00000732083_00329_39962_8142.N1						SS1	H/H	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_211745_000001842083_00329_39962_8212.N1						SS1	H/H	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_212408_000002142083_00329_39962_8198.N1						SS1	V/V	83	39962	329	4.07
ASA_WSM_1PNPDE20091021_214939_000001892083_00330_39963_8301.N1						SS1	V/V	83	39963	330	4.07
ASA_WSM_1PNPDK20091021_215020_000001822083_00330_39963_3635.N1						SS1	V/V	83	39963	330	4.07
ASA_WSM_1PNPDK20091021_215508_000001282083_00330_39963_3637.N1						SS1	H/H	83	39963	330	4.07
ASA_WSM_1PNPDE20091021_220503_00000972083_00330_39963_8224.N1						SS1	H/H	83	39963	330	4.07
ASA_WSM_1PNPDE20091021_224400_000002992083_00330_39963_8345.N1						SS1	H/H	83	39963	330	4.07
ASA_WSM_1PNPDE20091021_224400_000001342083_00330_39963_8275.N1						SS1	H/H	83	39963	330	4.07
ASA_WSM_1PNPDE20091021_225525_000003732083_00330_39963_8273.N1						SS1	H/H	83	39963	330	4.07
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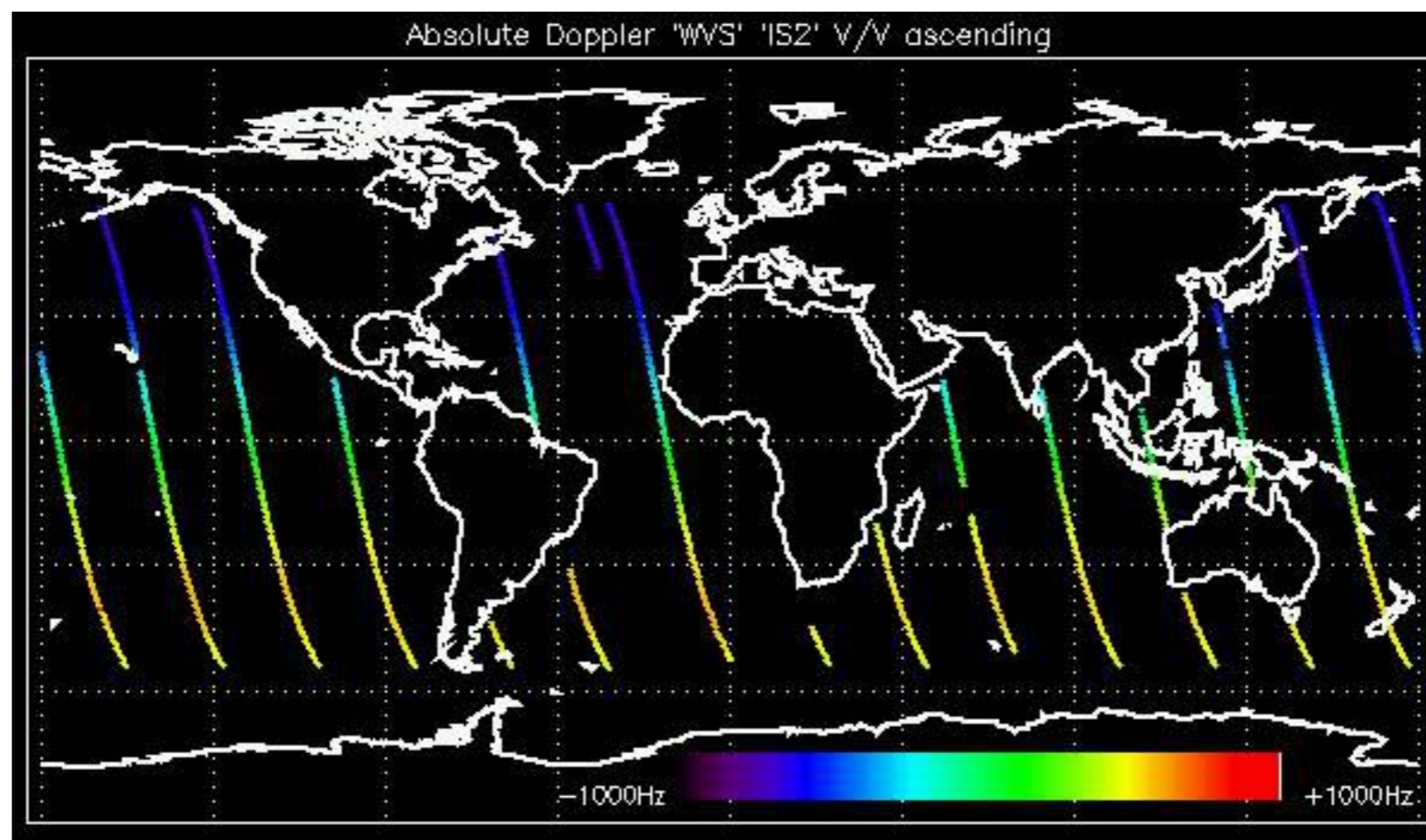


Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WVS_1PNPDE20091020_233623_000016792083_00316_39949_7484.N1						IS2	V/V	83	39949	316	4.07
ASA_WVS_1PNPDE20091021_002232_000011472083_00317_39950_7489.N1						IS2	V/V	83	39950	317	4.07
ASA_WVS_1PNPDE20091021_004832_000003152083_00317_39950_7496.N1						IS2	V/V	83	39950	317	4.07
ASA_WVS_1PNPDE20091021_011329_000002692083_00317_39950_7499.N1						IS2	V/V	83	39950	317	4.07
ASA_WVS_1PNPDE20091021_011659_000001952083_00317_39950_7551.N1						IS2	V/V	83	39950	317	4.07
ASA_WVS_1PNPDE20091021_011329_000002692083_00317_39950_7499.N1						IS1	V/V	83	39950	317	4.07
ASA_WVS_1PNPDE20091021_013008_000007492083_00318_39951_7564.N1						IS2	V/V	83	39951	318	4.07
ASA_WVS_1PNPDE20091021_021447_000003592083_00318_39951_7567.N1						IS2	V/V	83	39951	318	4.07
ASA_WVS_1PNPDE20091021_022215_000007192083_00318_39951_7576.N1						IS2	V/V	83	39951	318	4.07
ASA_WVS_1PNPDE20091021_023359_000000302083_00318_39951_7647.N1						IS2	V/V	83	39951	318	4.07
ASA_WVS_1PNPDE20091021_025414_000001802083_00318_39951_7638.N1						IS2	V/V	83	39951	318	4.07
ASA_WVS_1PNPDE20091021_035421_000009892083_00319_39952_7660.N1						IS2	V/V	83	39952	319	4.07
ASA_WVS_1PNPDE20091021_041020_000001202083_00319_39952_7730.N1						IS2	V/V	83	39952	319	4.07
ASA_WVS_1PNPDE20091021_035421_000009892083_00319_39952_7660.N1						IS1	V/V	83	39952	319	4.07
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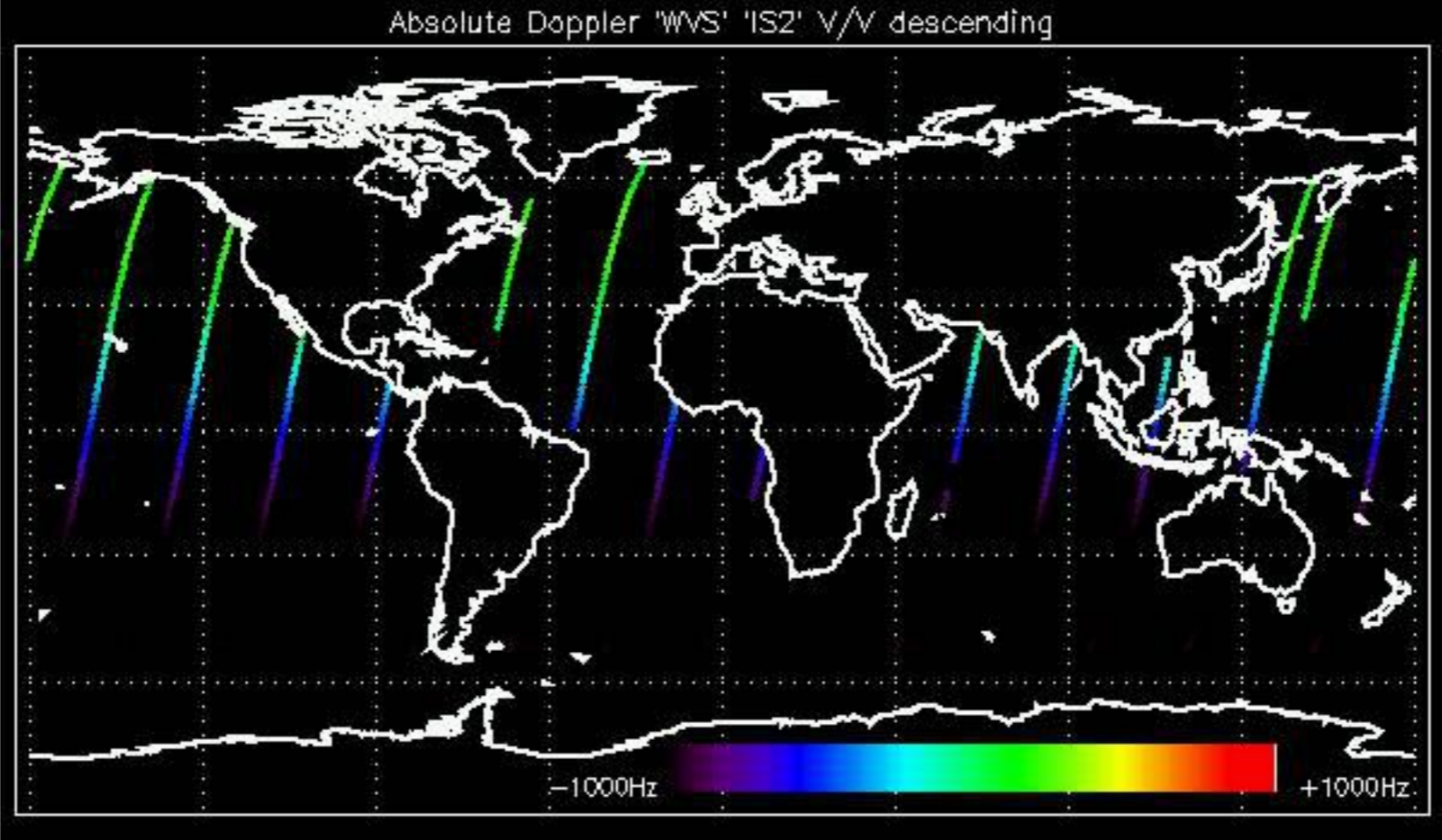


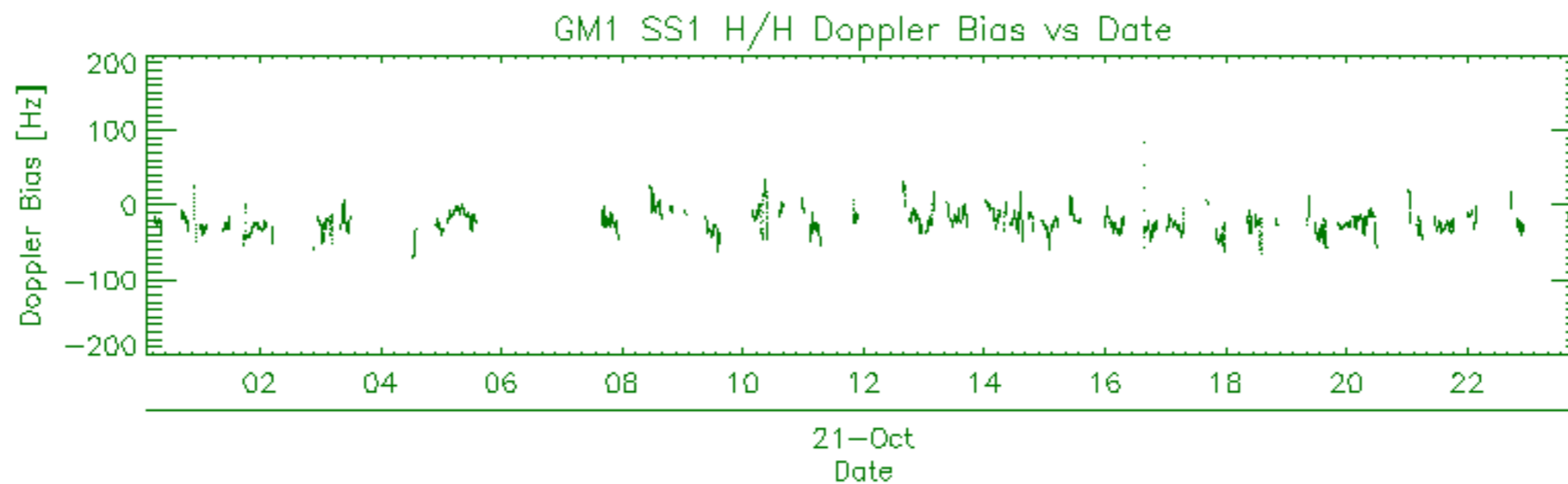
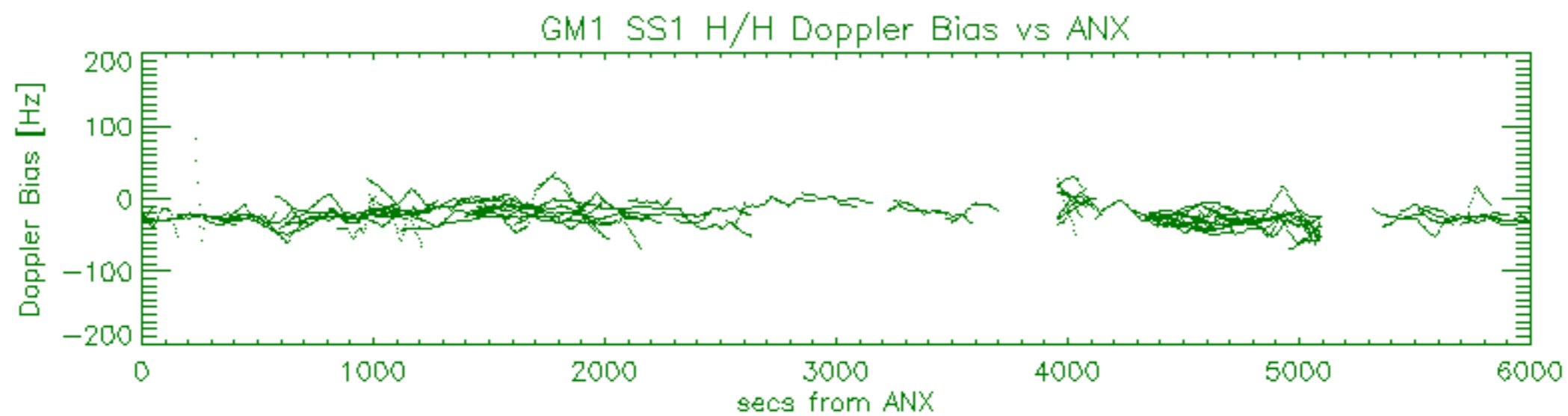
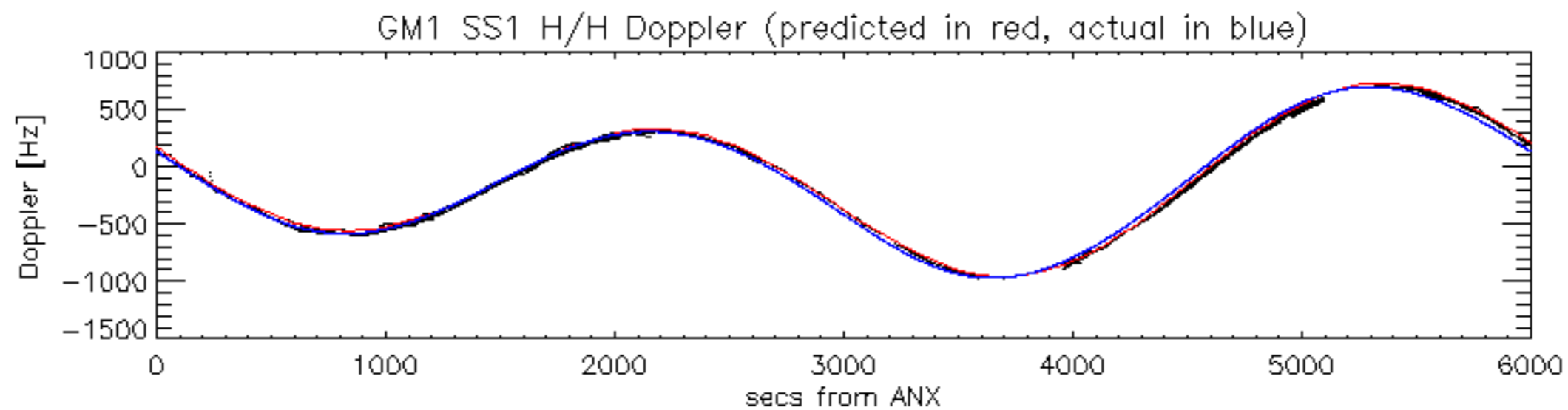


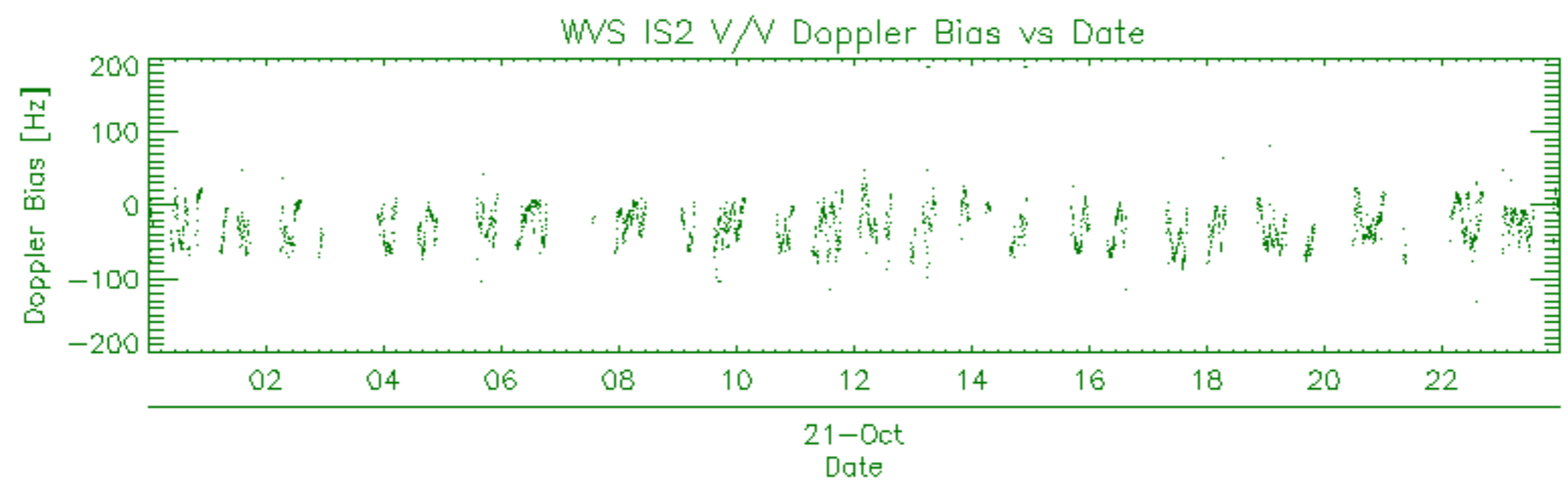
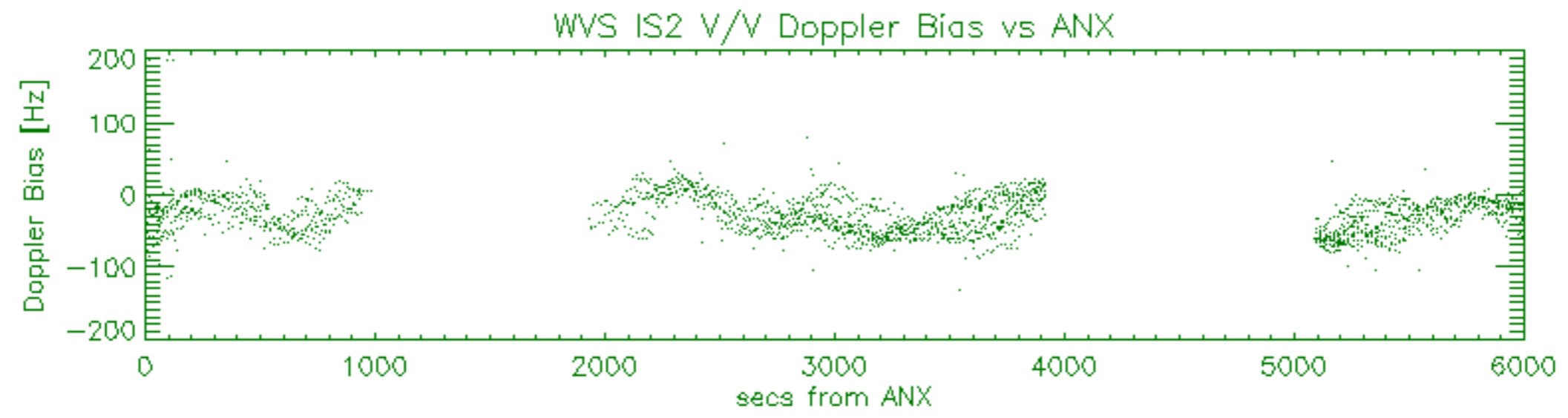
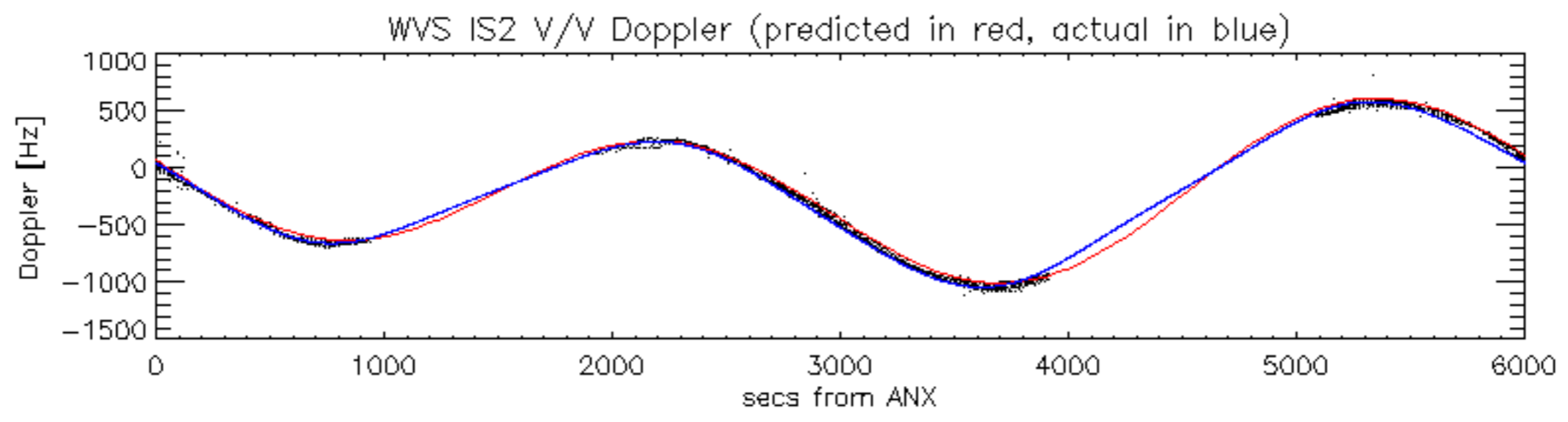


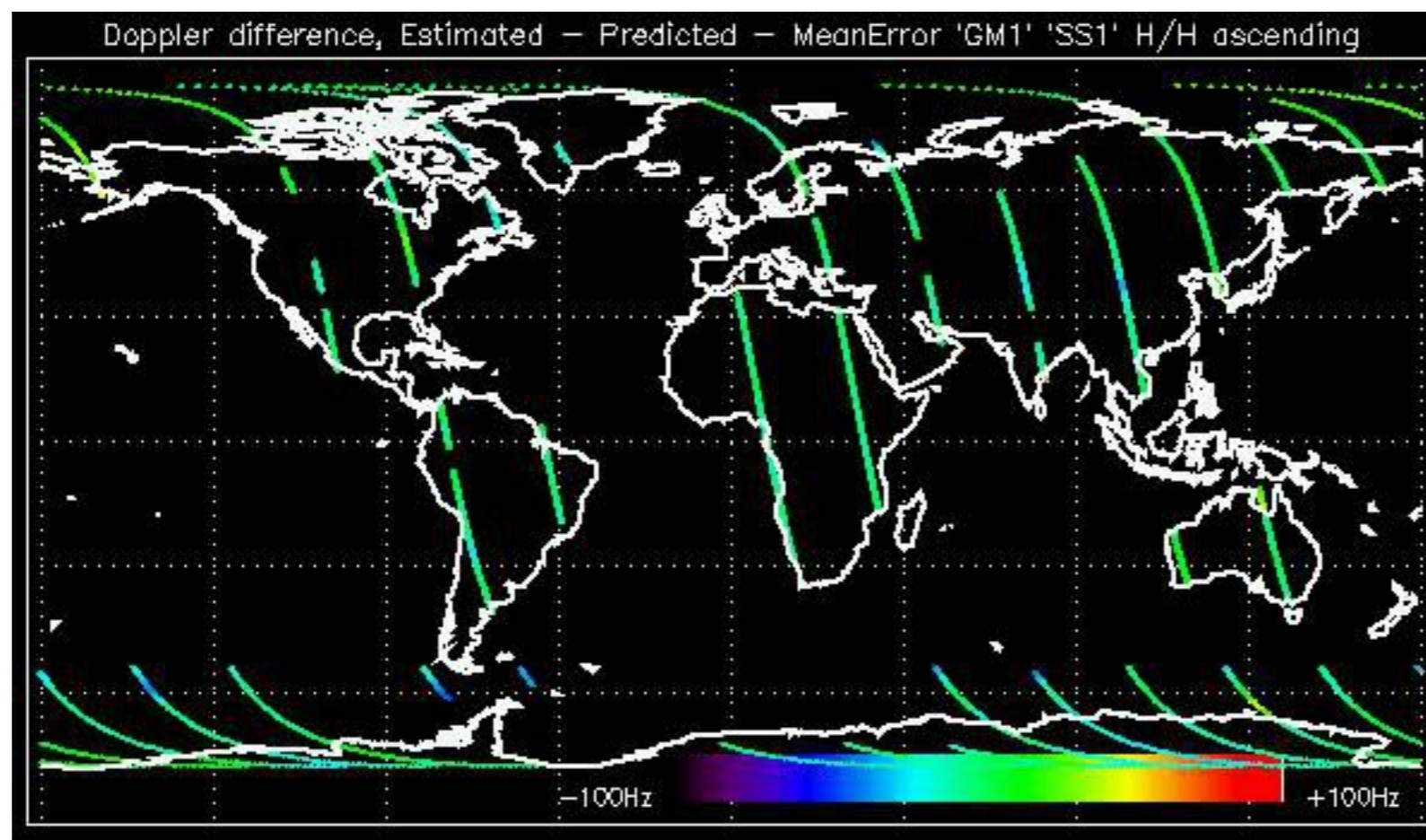




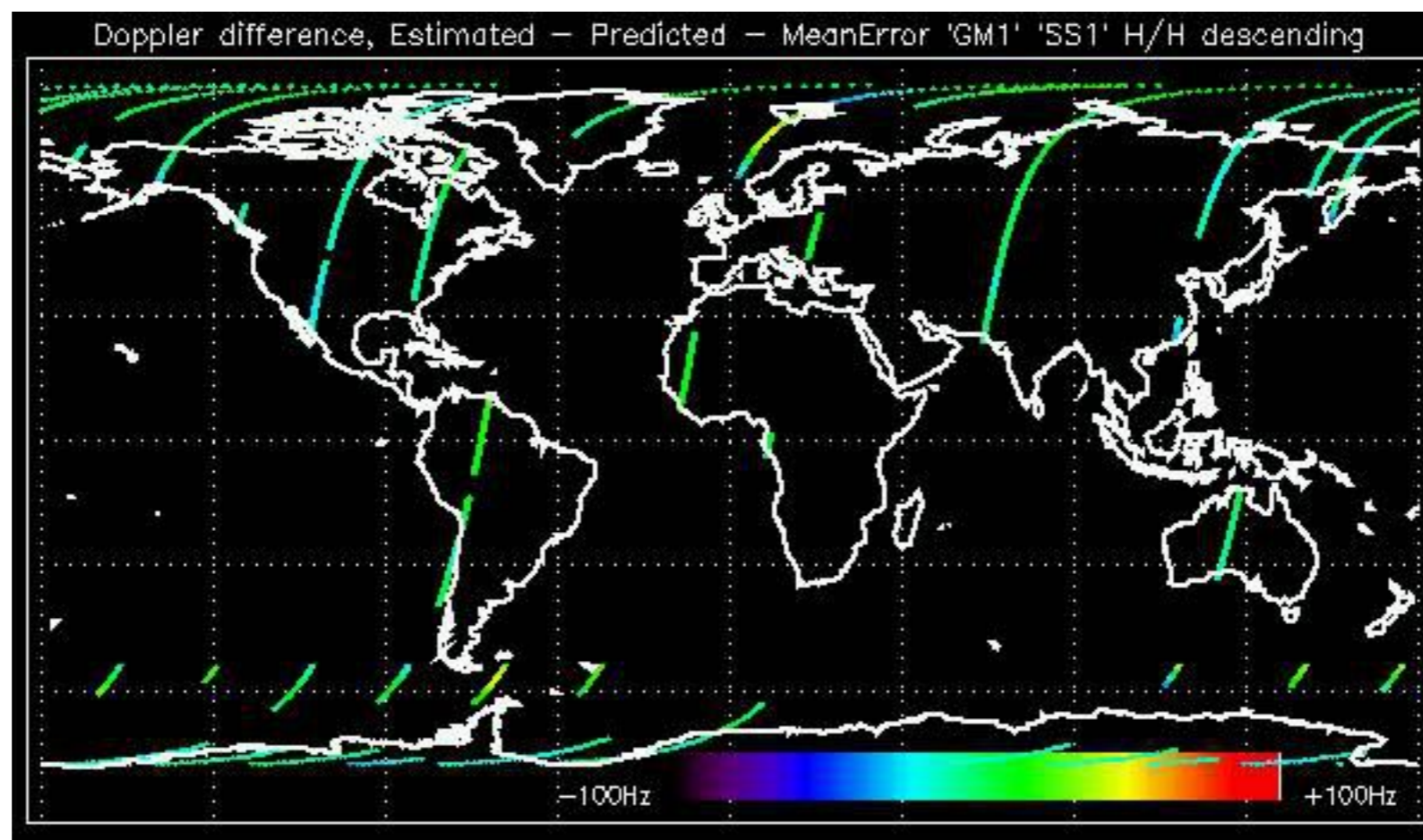


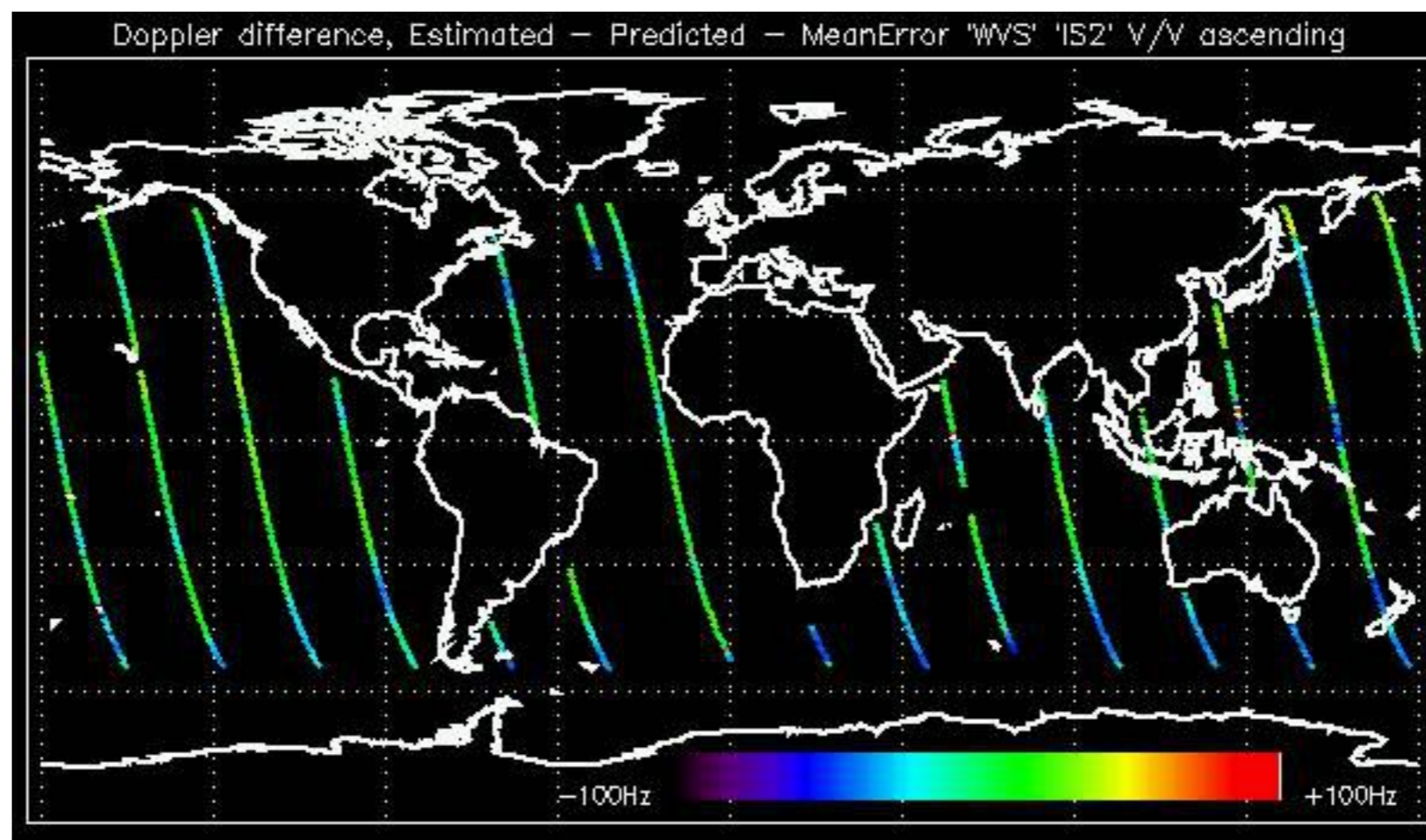


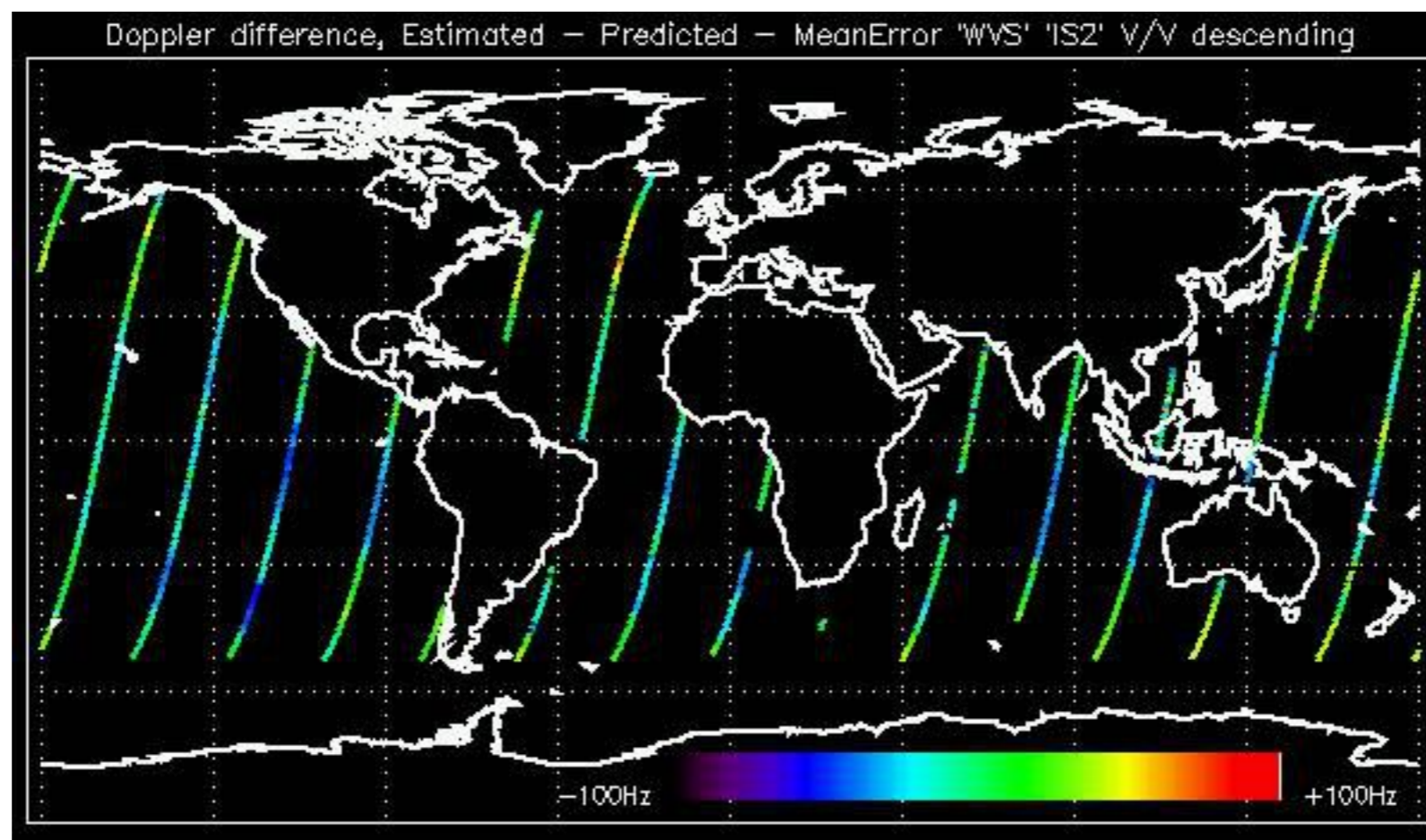




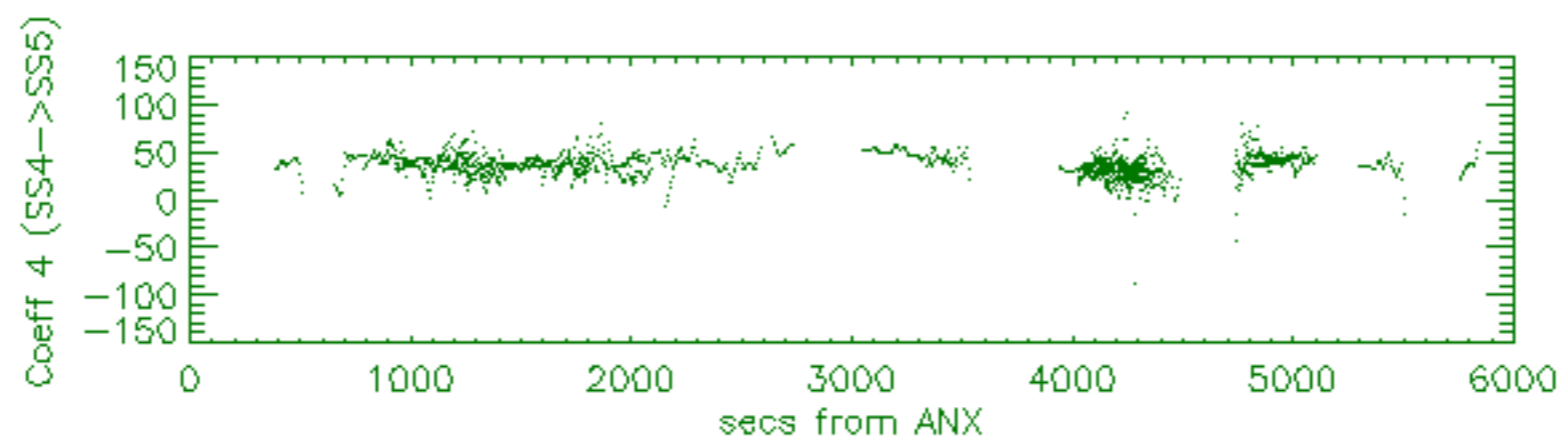
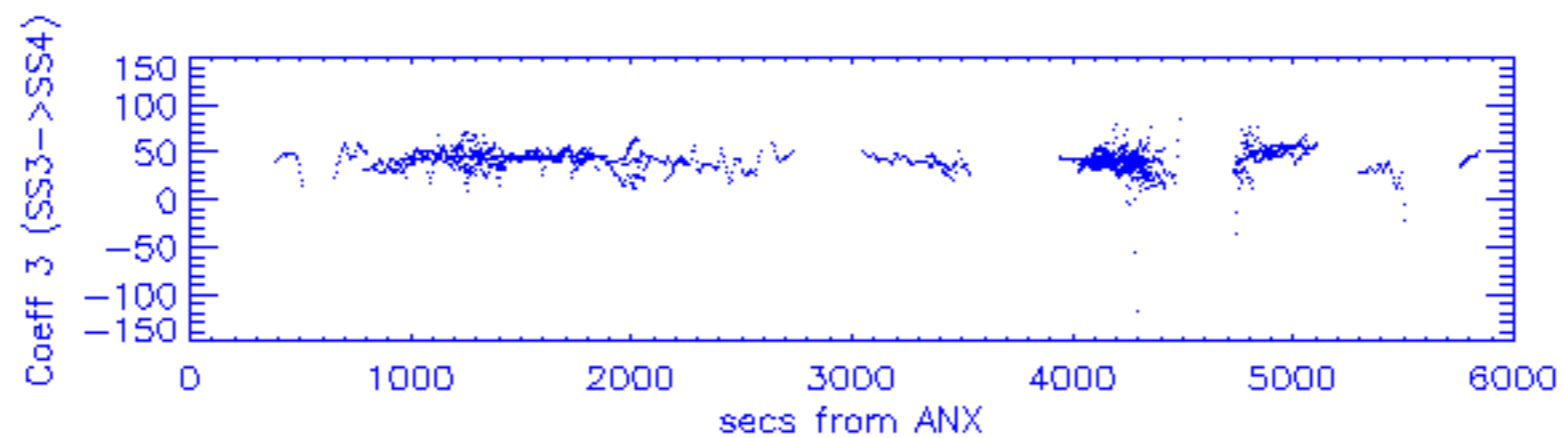
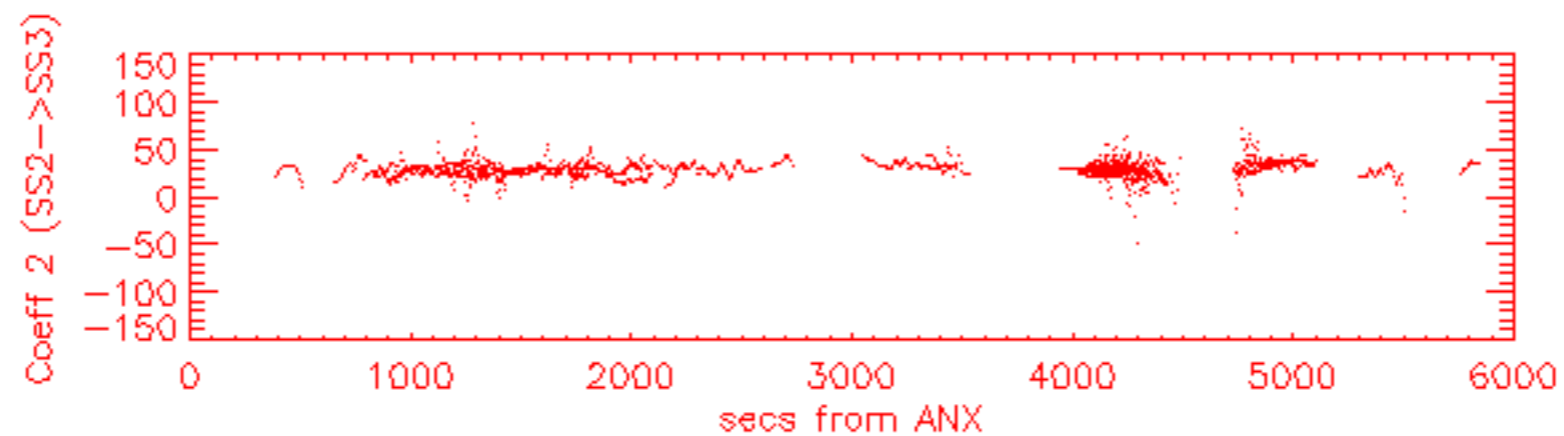
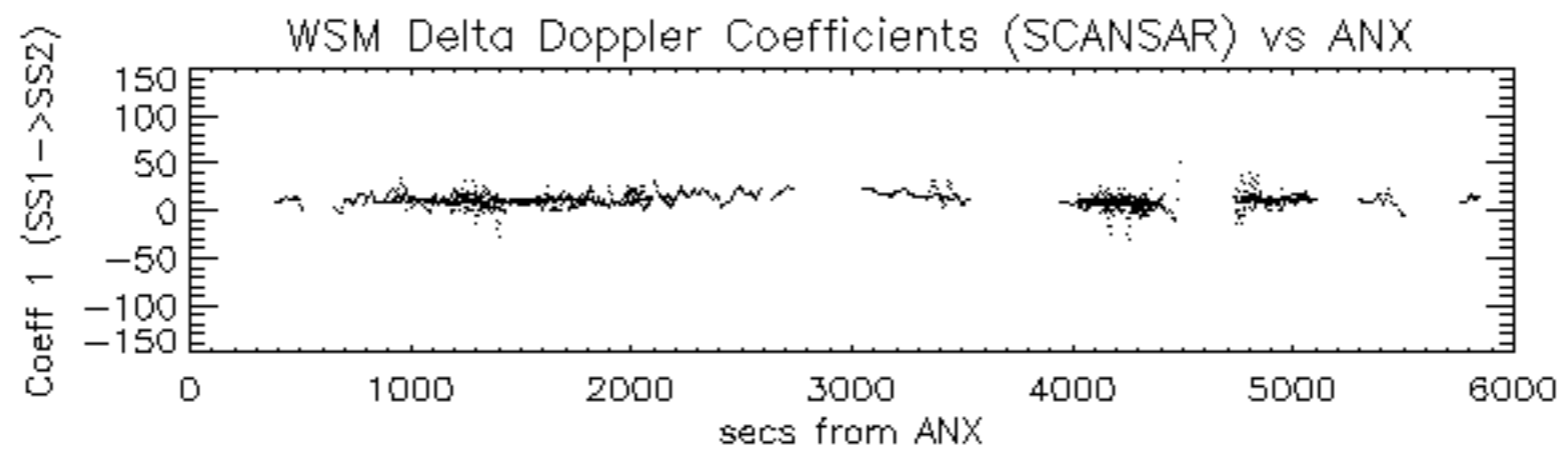




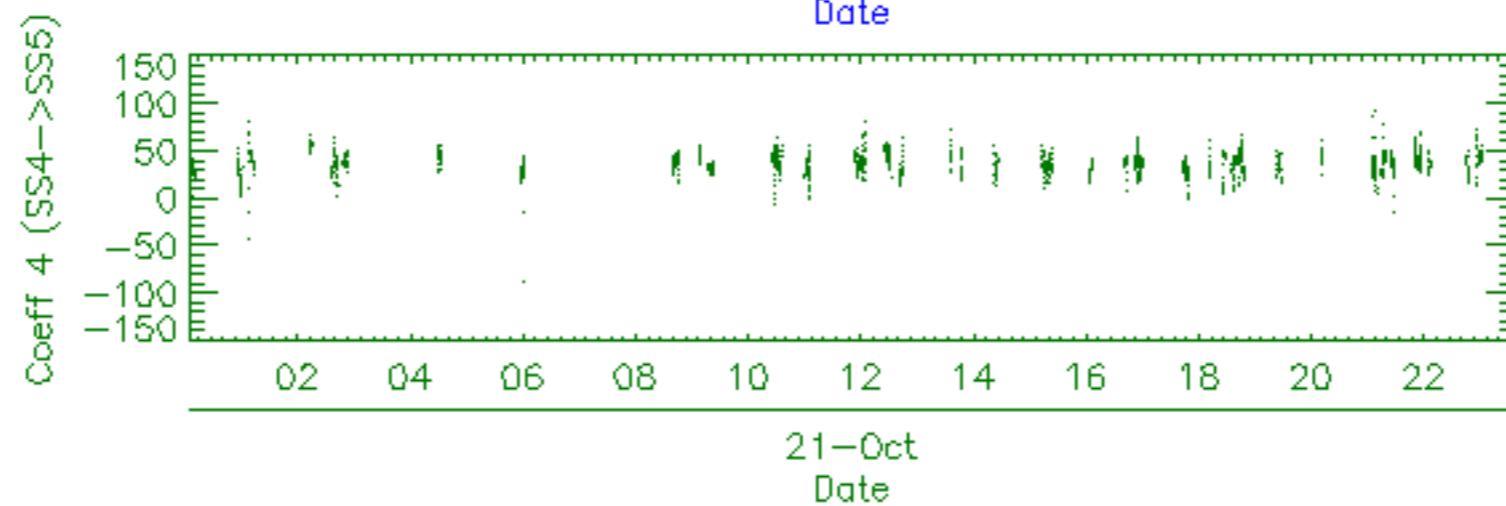
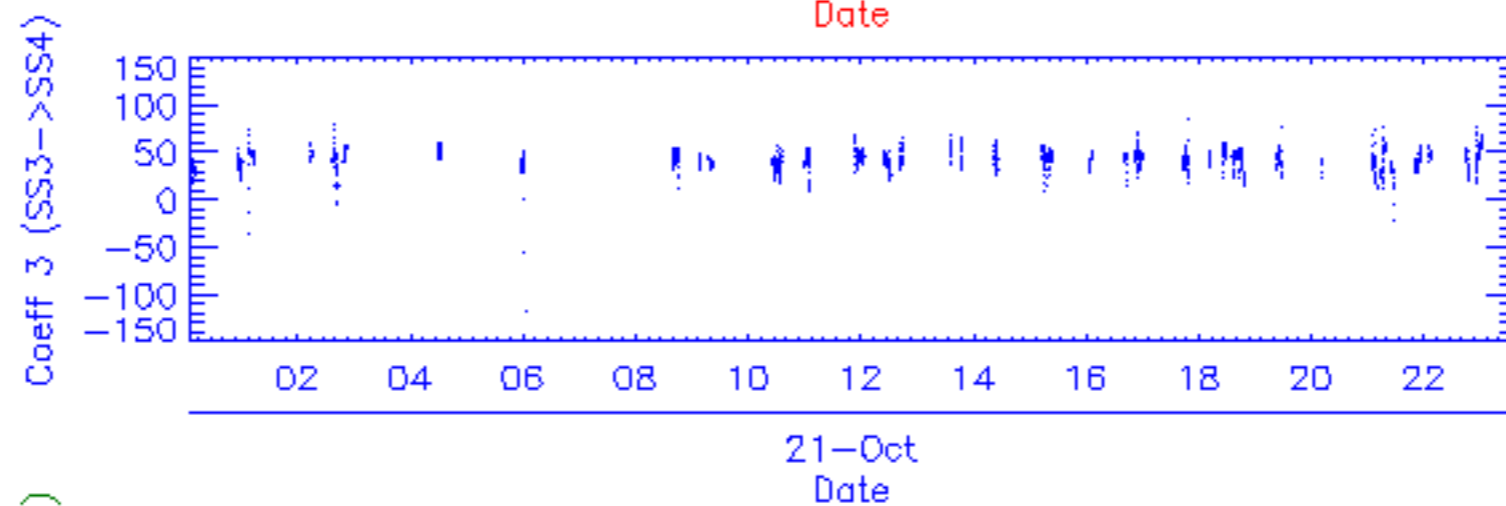
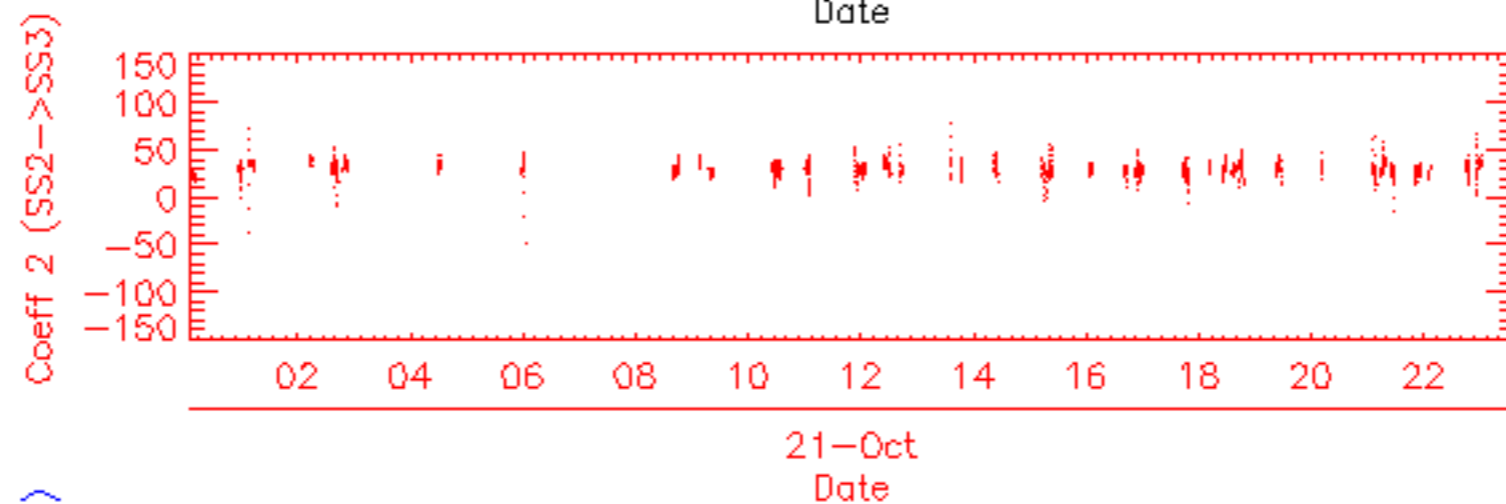
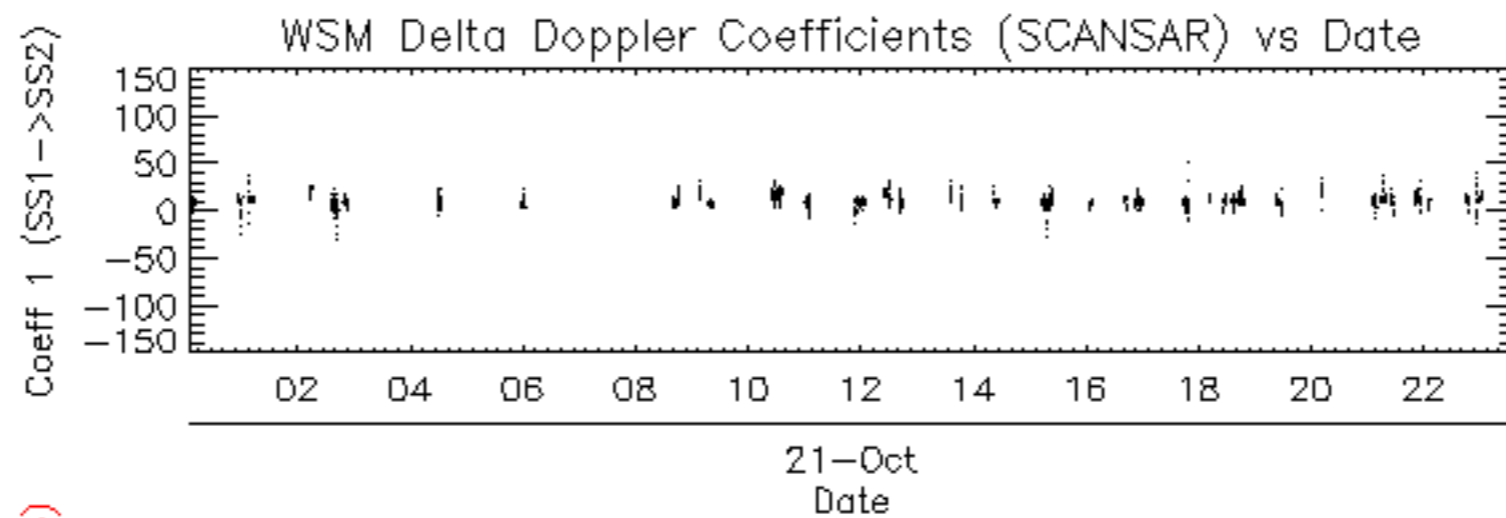






















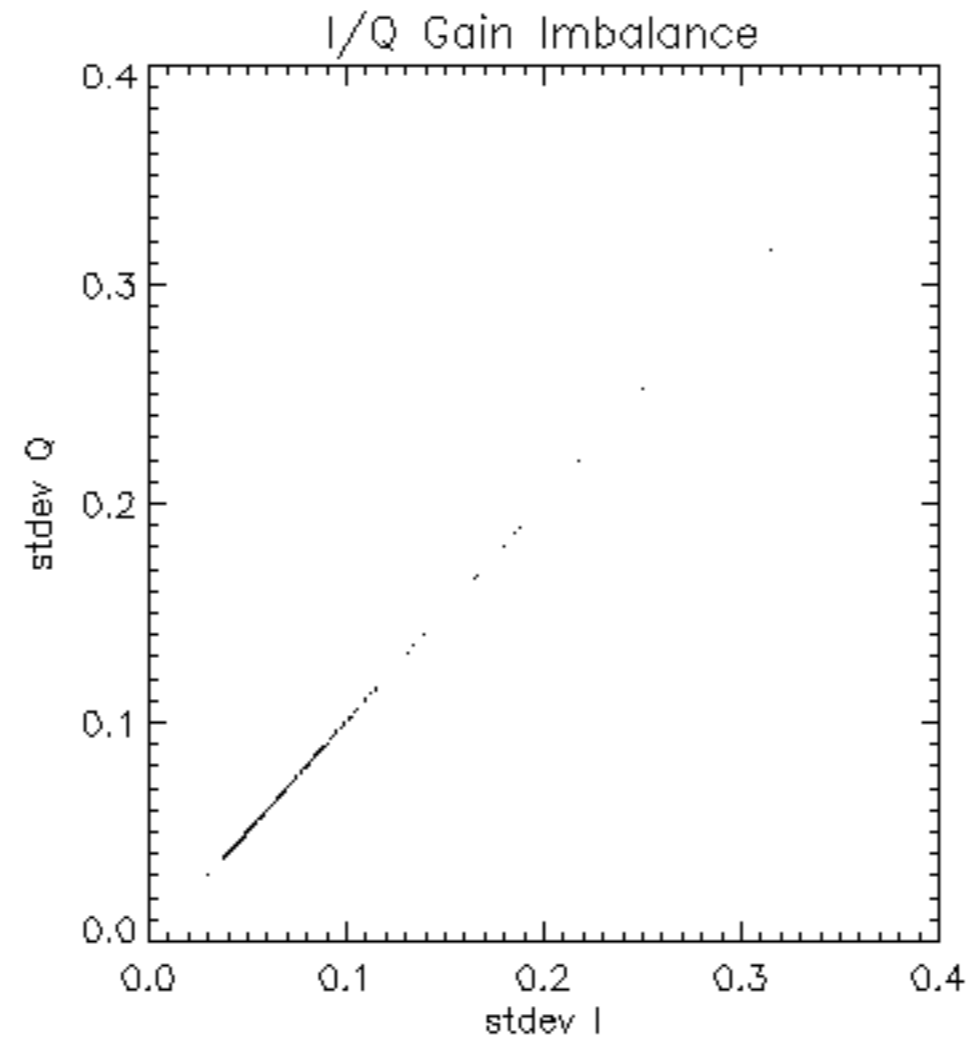


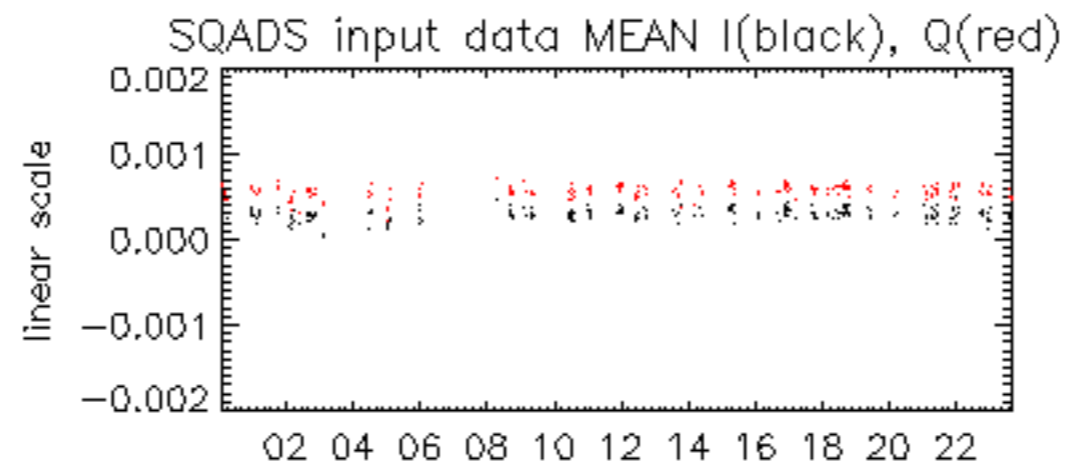




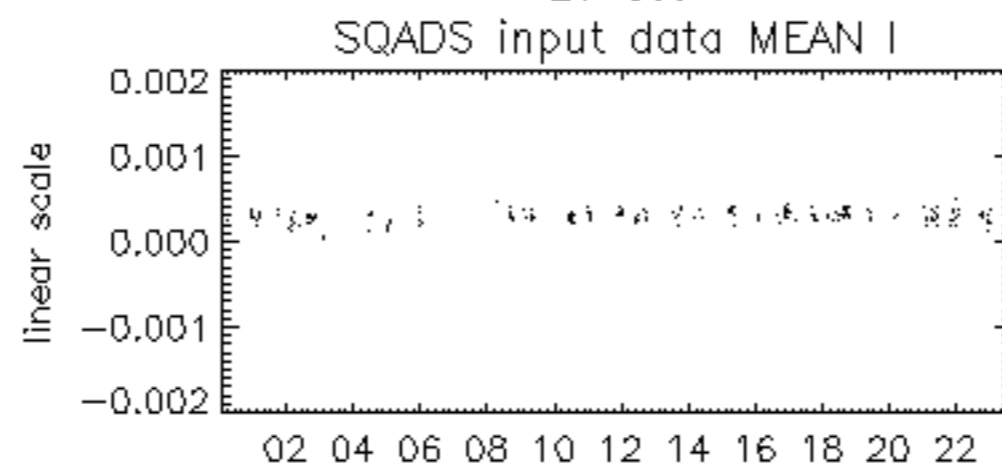




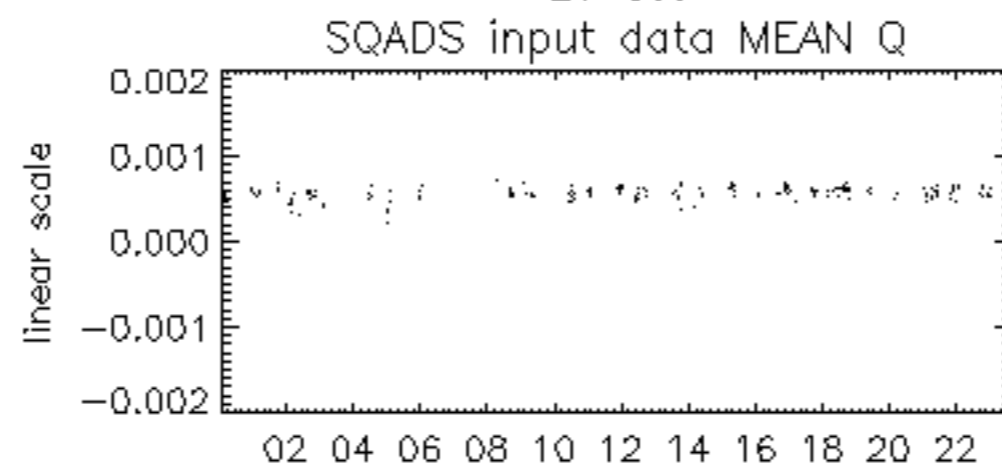




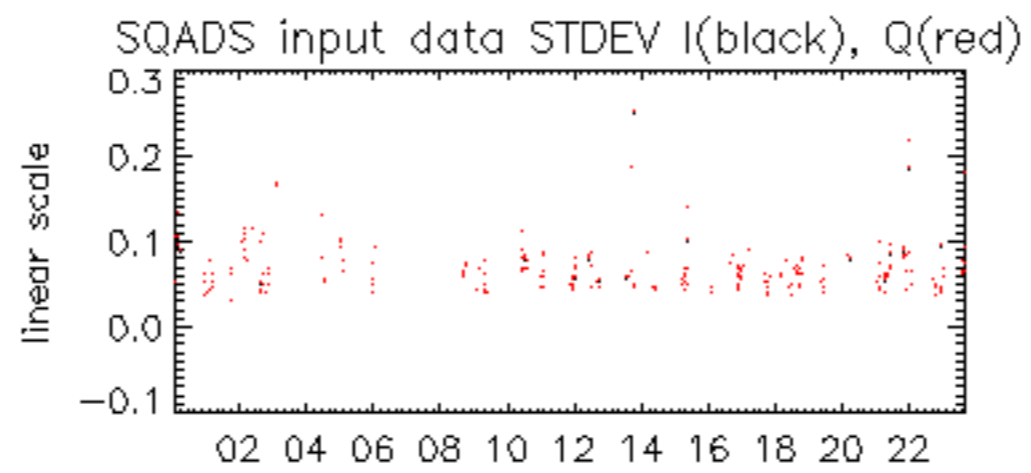
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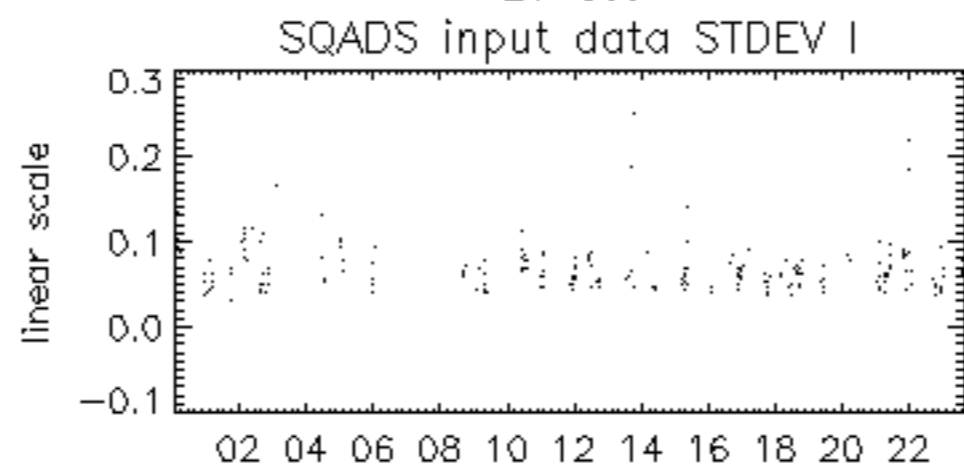
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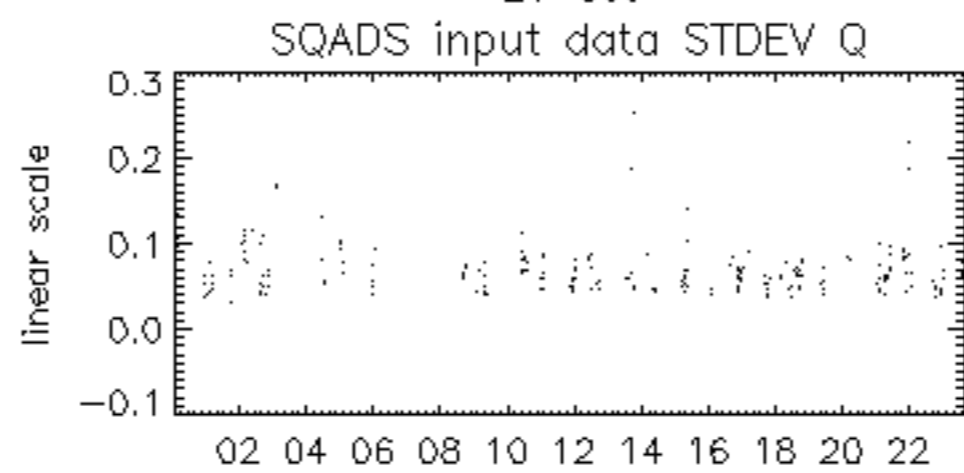
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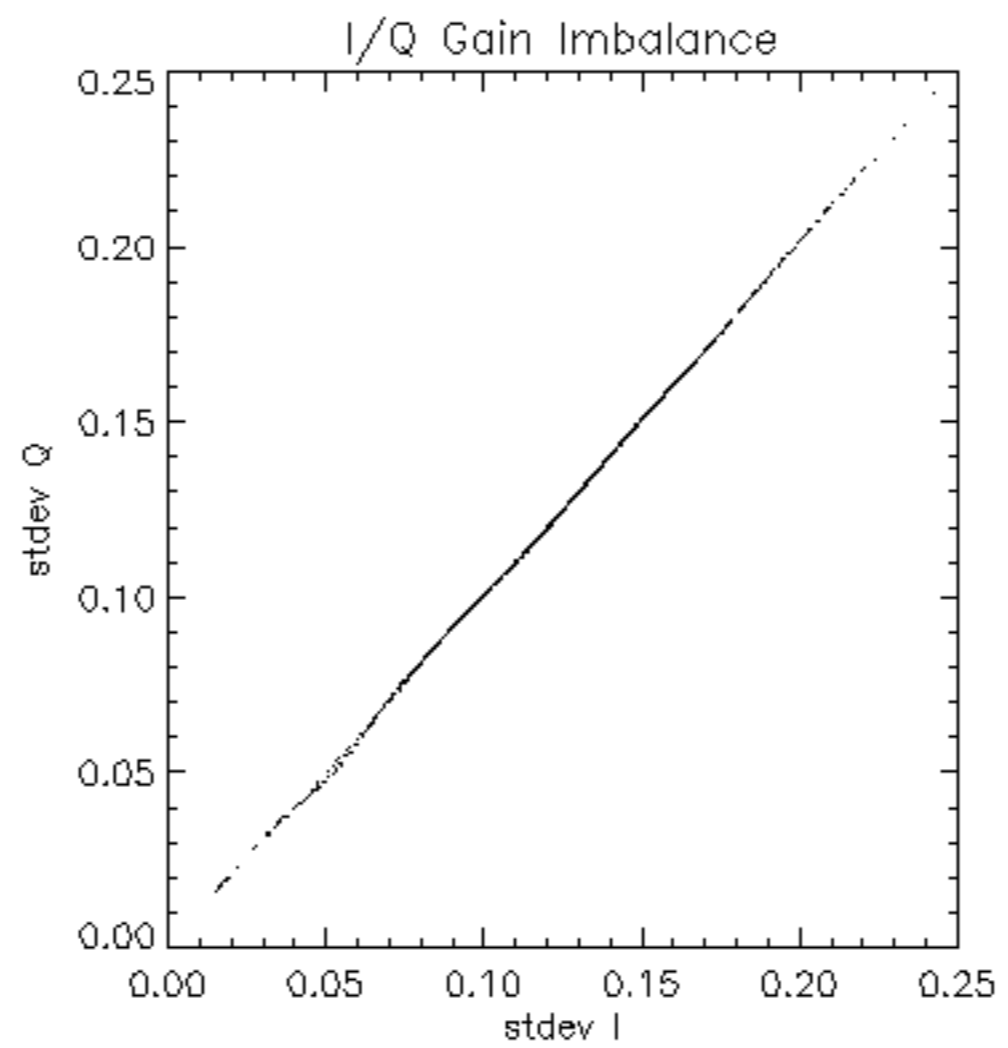
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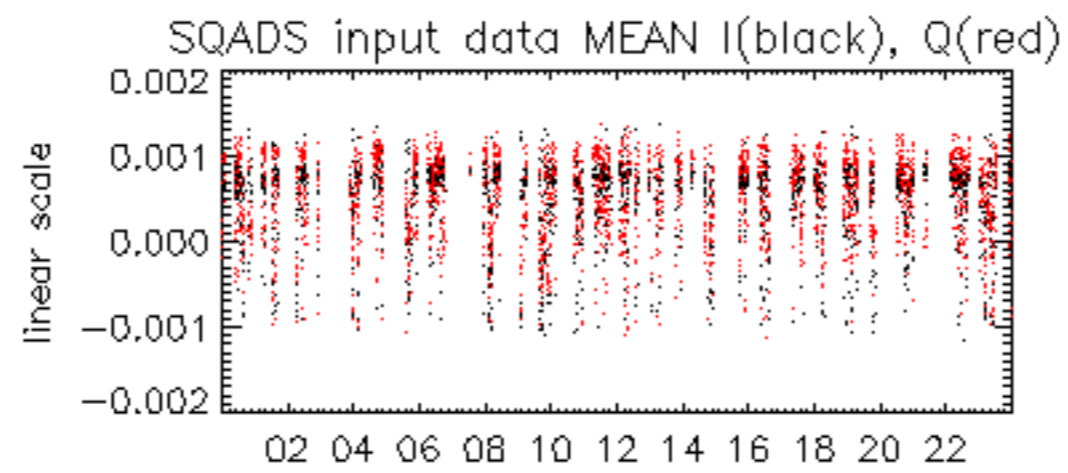
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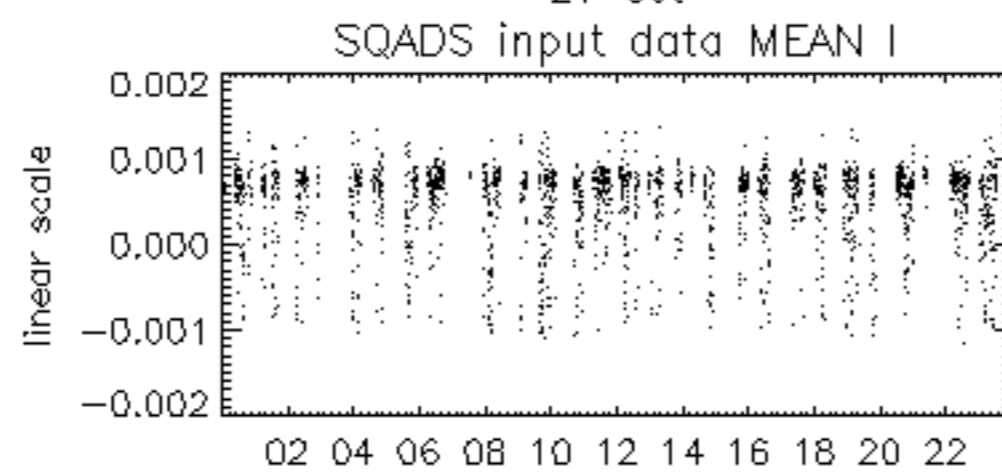
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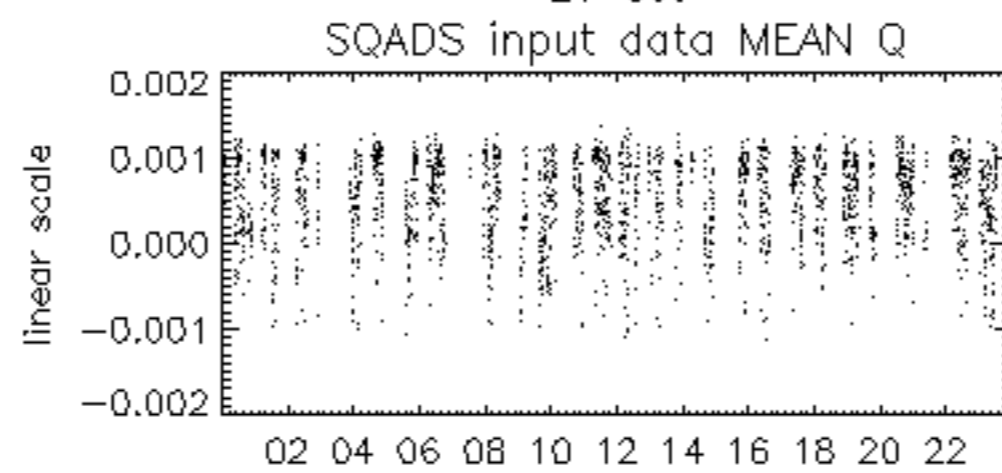




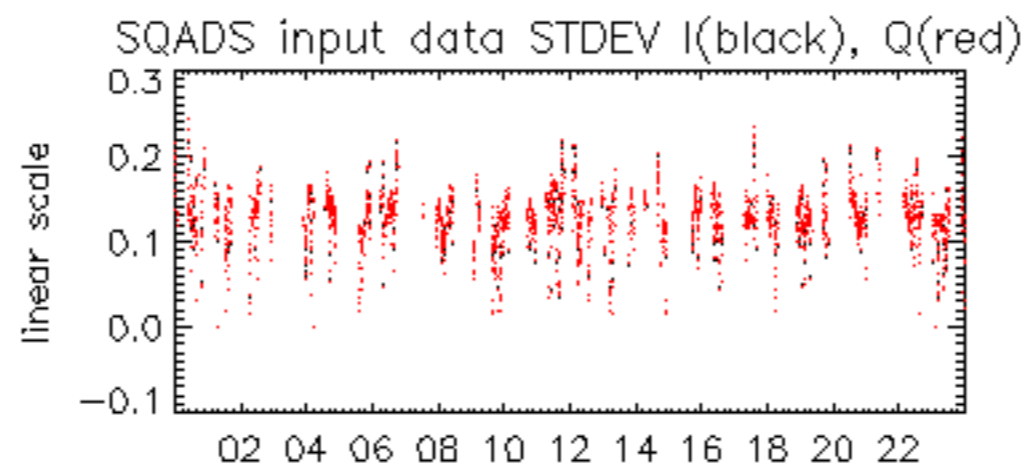
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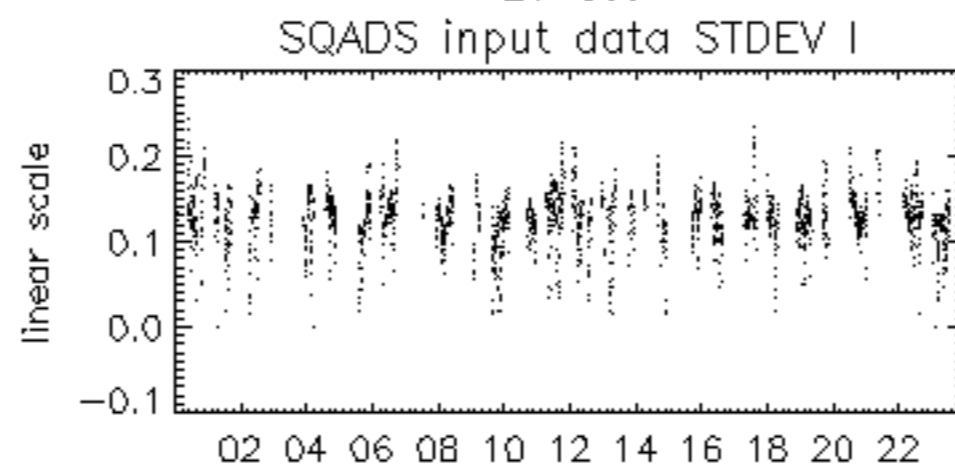
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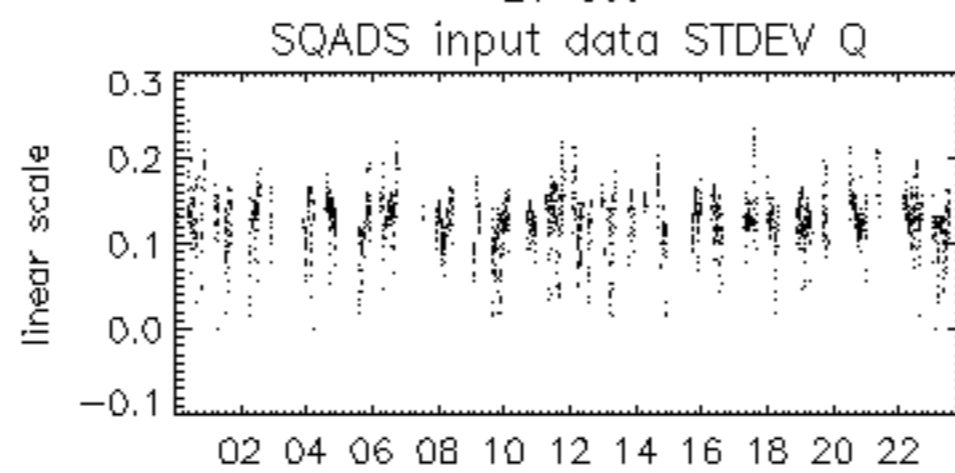
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