

Analysis from 24-APR-2008 00:00:00 to 24-APR-2008 23:00:05. Page generated on 24-APR-2008 23:10:55.  
View log file: ASAR\_Daily\_Report\_20080424\_2300.log. For any anomalies please contact [mtranfaglia@serco.it](mailto:mtranfaglia@serco.it), [gscarpino@serco.it](mailto: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	3	PDE	WS	H/H	21	PDE	IS4	H/H	1	PDE	IS1	V/V	1	PDE	WS	H/H	27	PDK	2008-04-24 06:26:40	H	320
PDE	IS2	V/V	18	PDK	WS	H/H	45	PDE	IS4	H/V	3	PDE	IS2	H/H	1	PDE	WS	V/V	8				
PDK	IS2	V/V	23					PDE	IS6	***	1	PDE	IS2	V/V	11	PDK	WS	H/H	1				
								PDK	IS2	V/H	2	PDE	IS3	H/H	1								
								PDK	IS3	***	1	PDE	IS6	H/H	1								
												PDE	IS7	***	1								
												PDE	IS7	V/V	1								
												PDK	IS2	H/H	2								
												PDK	IS2	V/V	2								
												PDK	IS6	H/H	1								

## 1.2 - Lists of products used

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

## 2 - AUXILIARY FILES ANALYSIS

### 2.1 - IECF operational ADFs list

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ADFs disseminated for ASAR
ASA_CON_AXVIEC20071218_084201_20070204_165113_20081231_000000
ASA_INS_AXVIEC20071218_083603_20070307_060000_20081231_000000
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000
ASA_XCA_AXVIEC20071218_082742_20070204_165113_20081231_000000

### 2.2 - Products with wrong ADFs

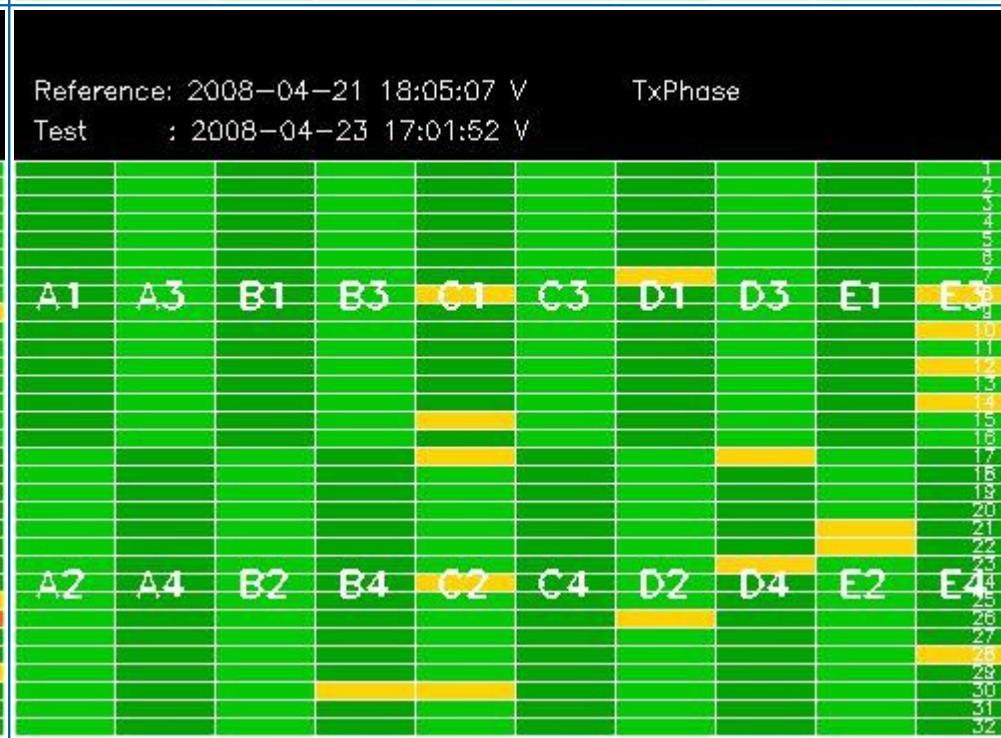
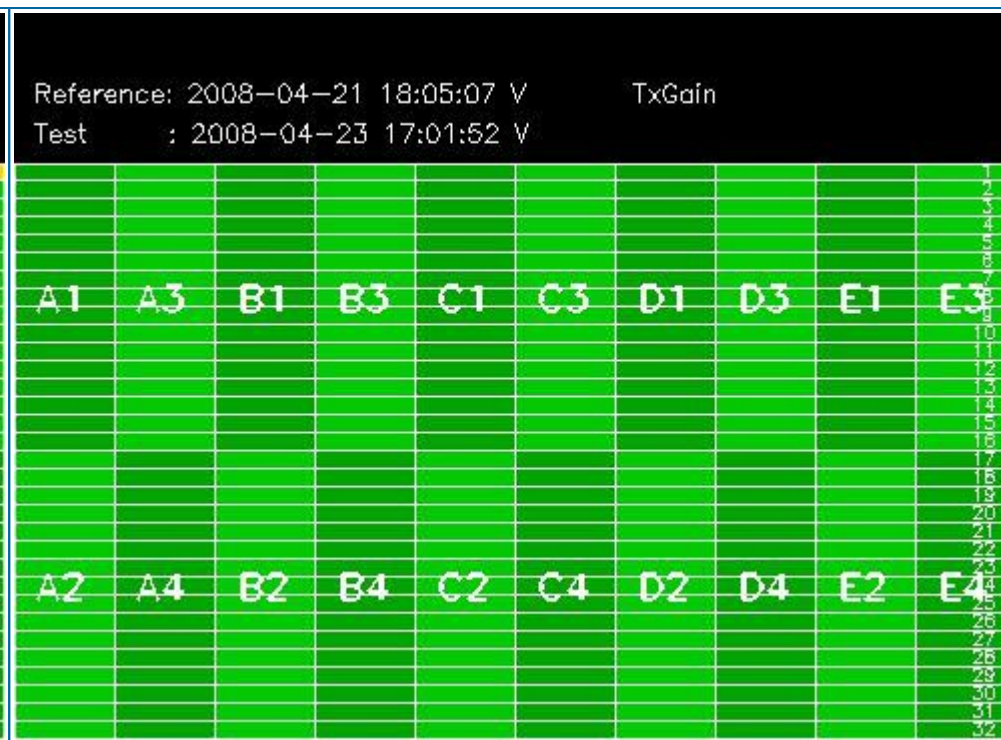
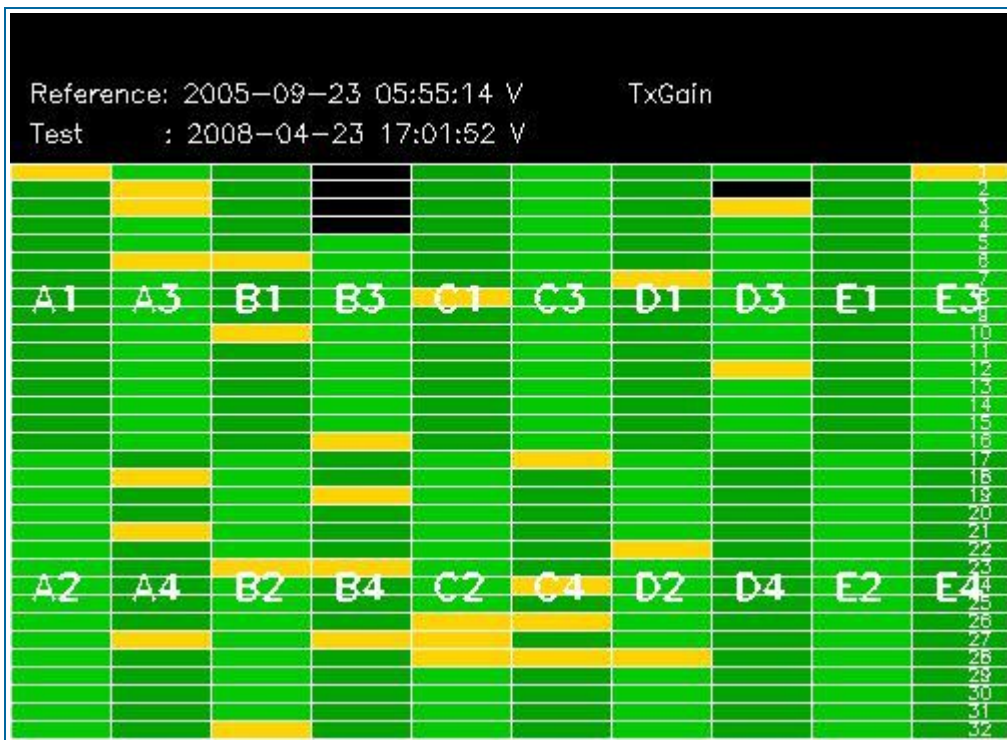
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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

[TXT] [XLS] Check\_ADFs\_WVS  
 [TXT] [XLS] Check\_ADFs\_GM1  
 [TXT] [XLS] Check\_ADFs\_APM

### 3 - MODULE STEPPING PRODUCTS ANALYSIS





### 3.2 - H/H polarisation

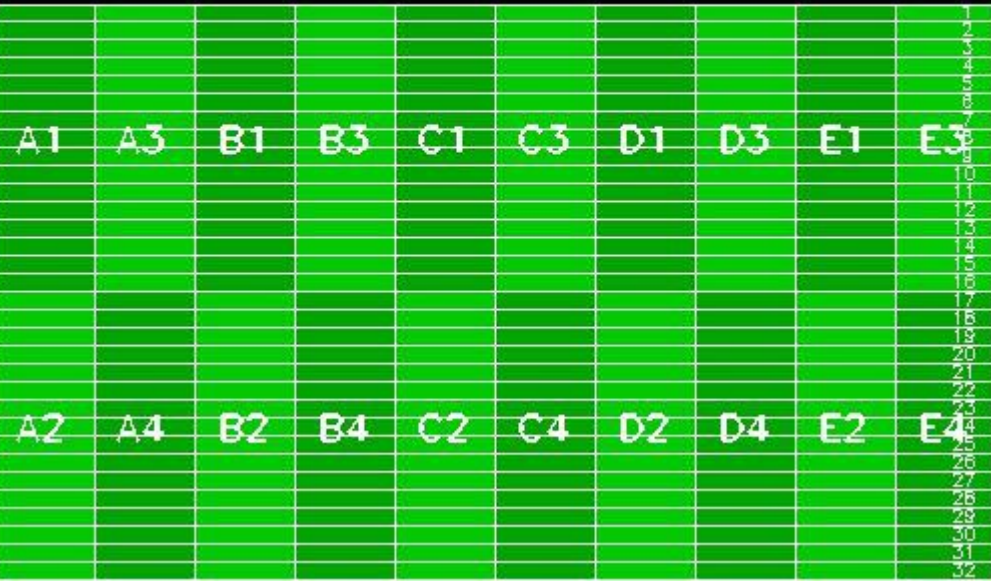
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SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
After antenna maintenance (2005-09-22/23)	Previous product in the same polarisation

Reference: 2005-09-22 06:26:51 H RxGain  
 Test : 2008-04-24 06:26:40 H



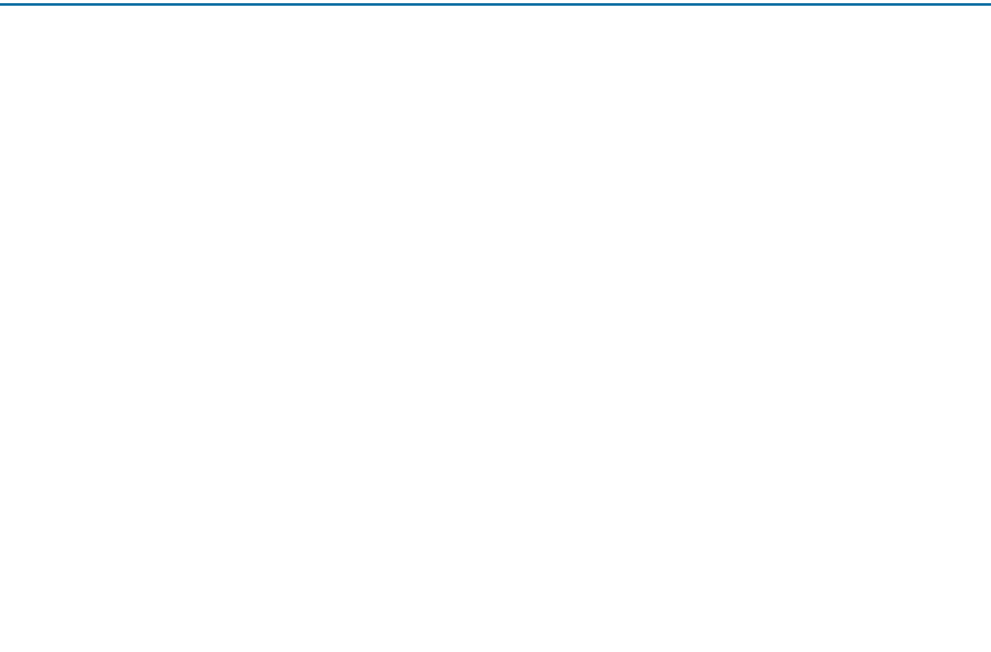
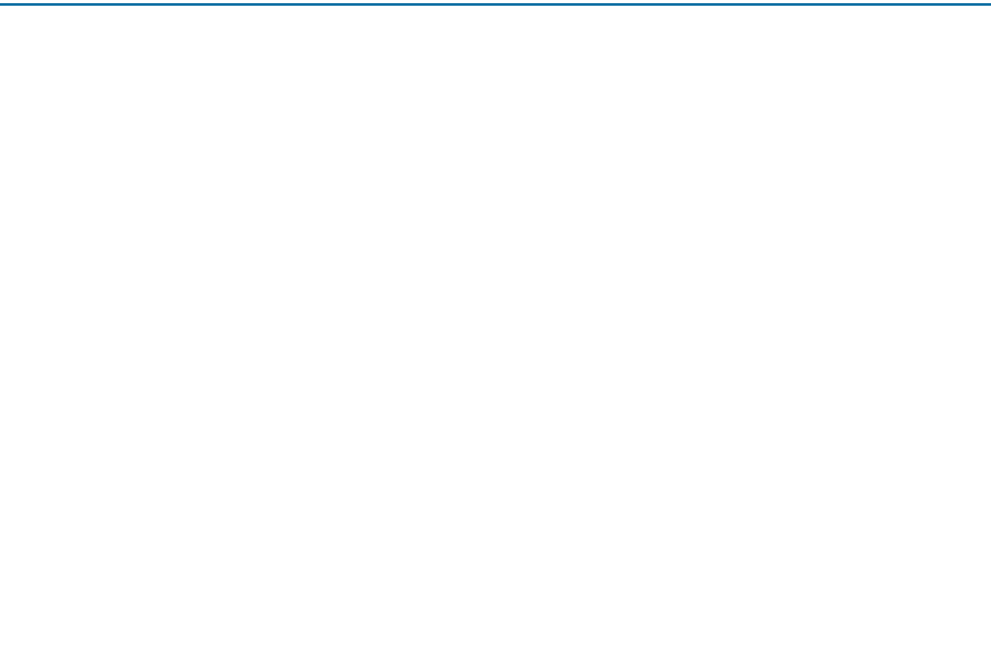
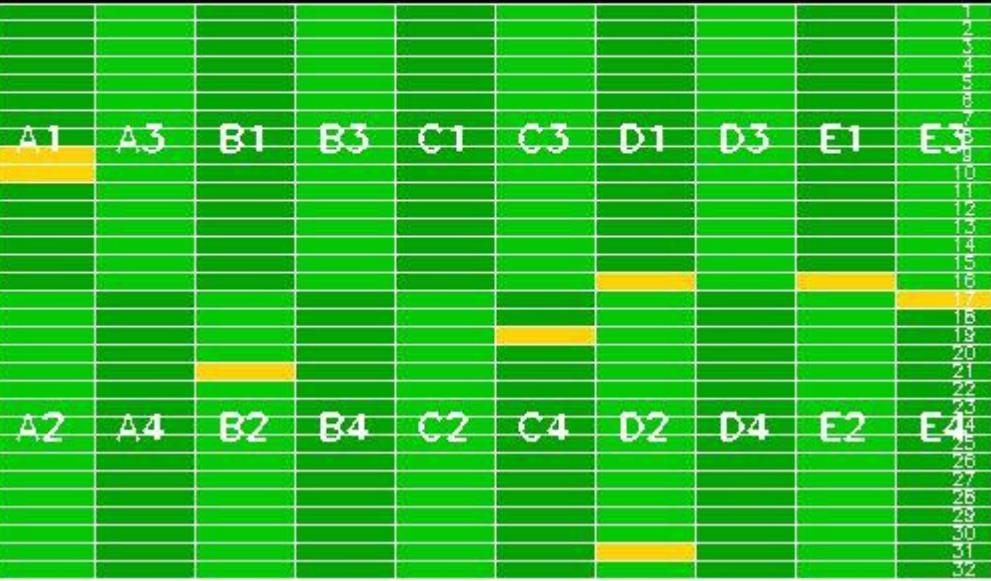
Reference: 2008-04-22 17:33:29 H RxGain  
 Test : 2008-04-24 06:26:40 H

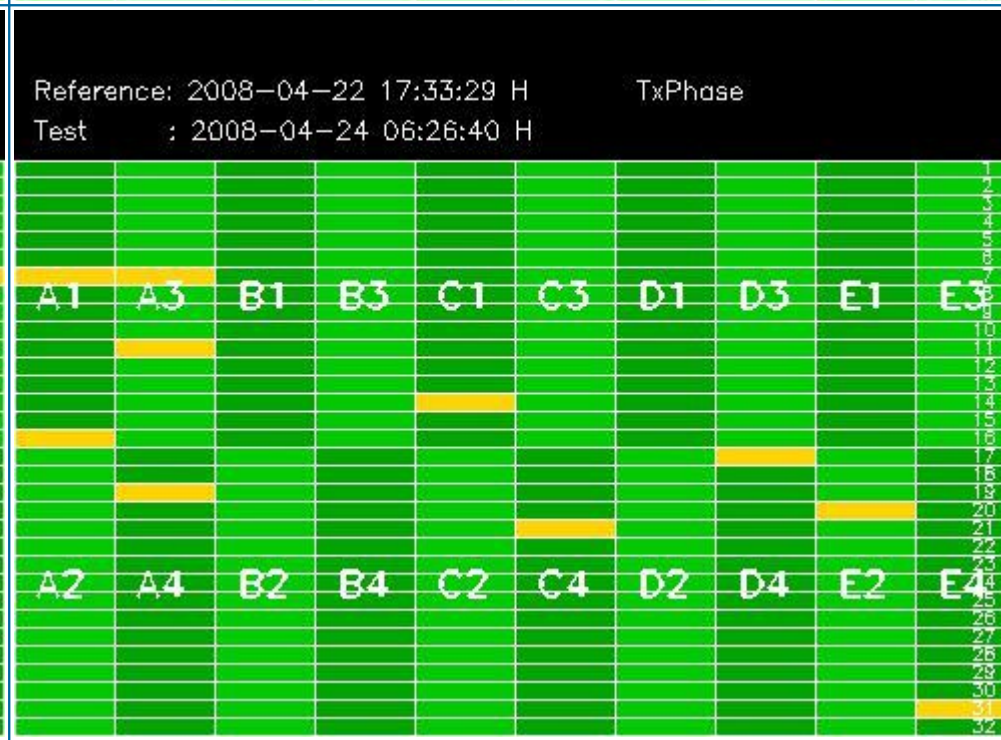
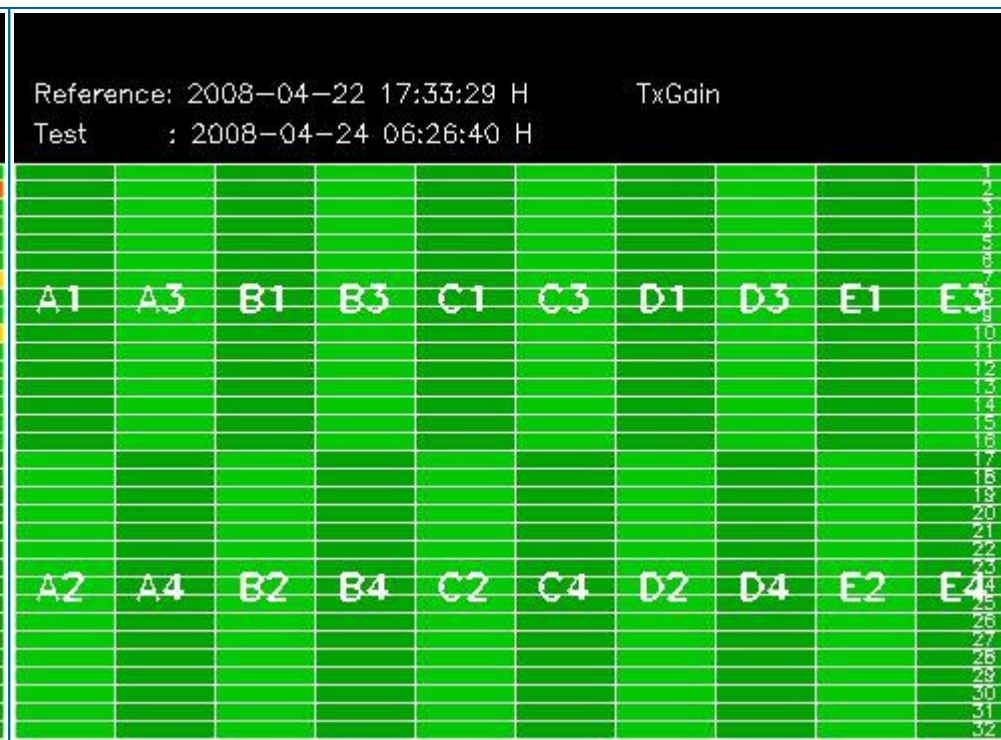
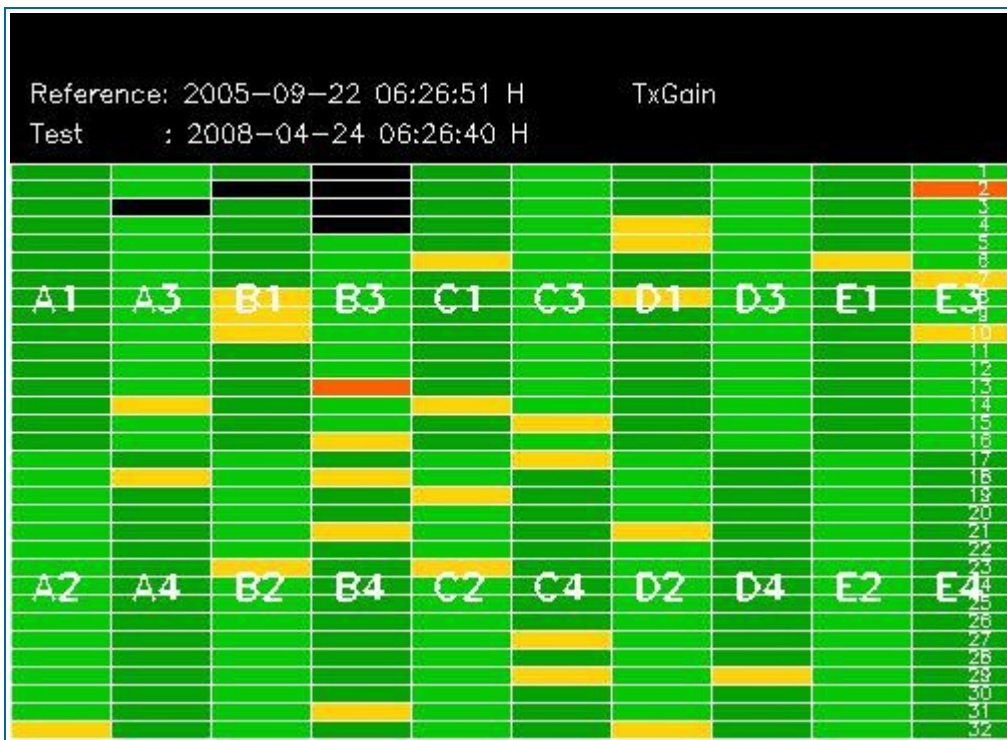


Reference: 2005-09-22 06:26:51 H RxPhase  
 Test : 2008-04-24 06:26:40 H



Reference: 2008-04-22 17:33:29 H RxPhase  
 Test : 2008-04-24 06:26:40 H





## 4 - CALIBRATION PULSES ANALYSIS

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

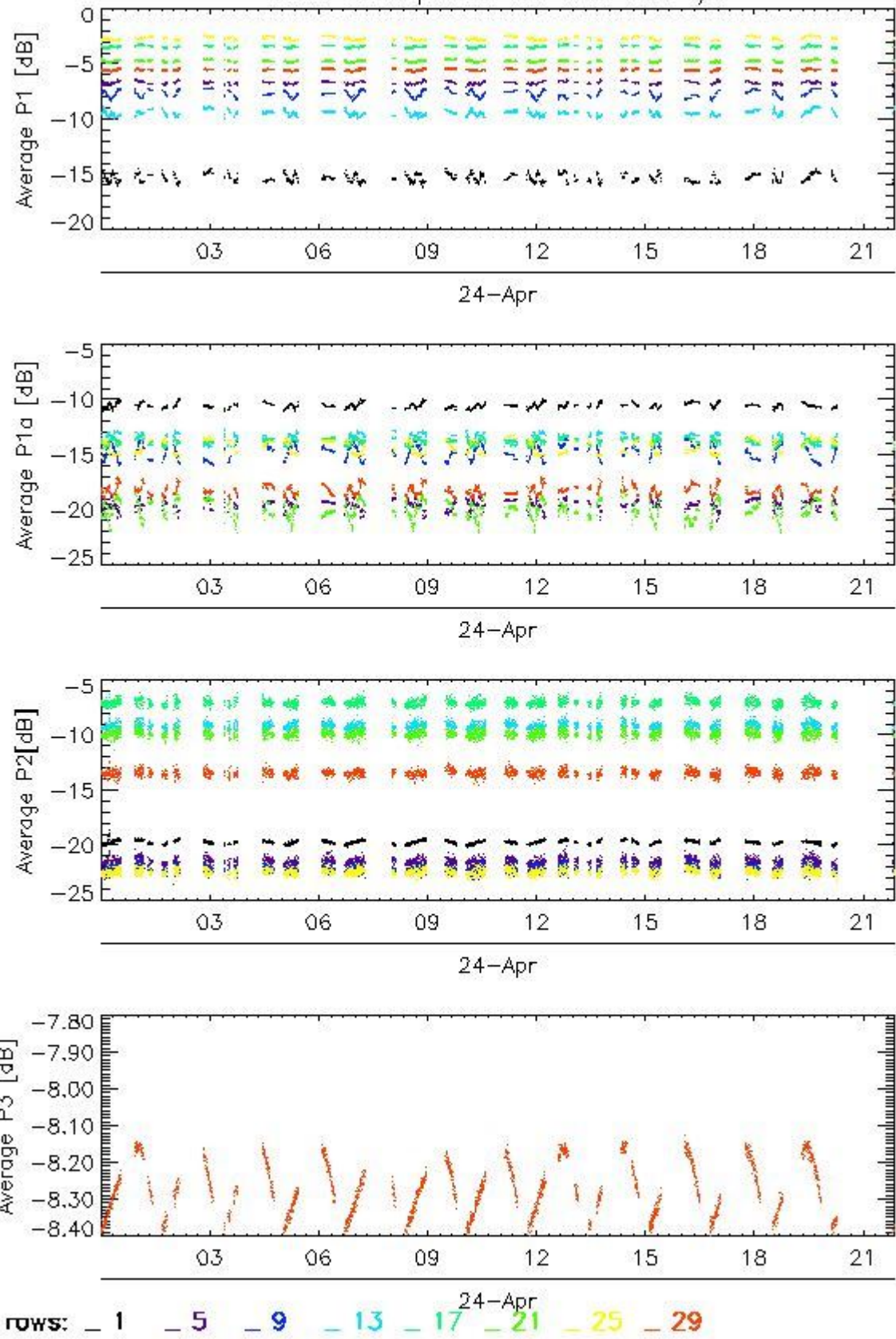
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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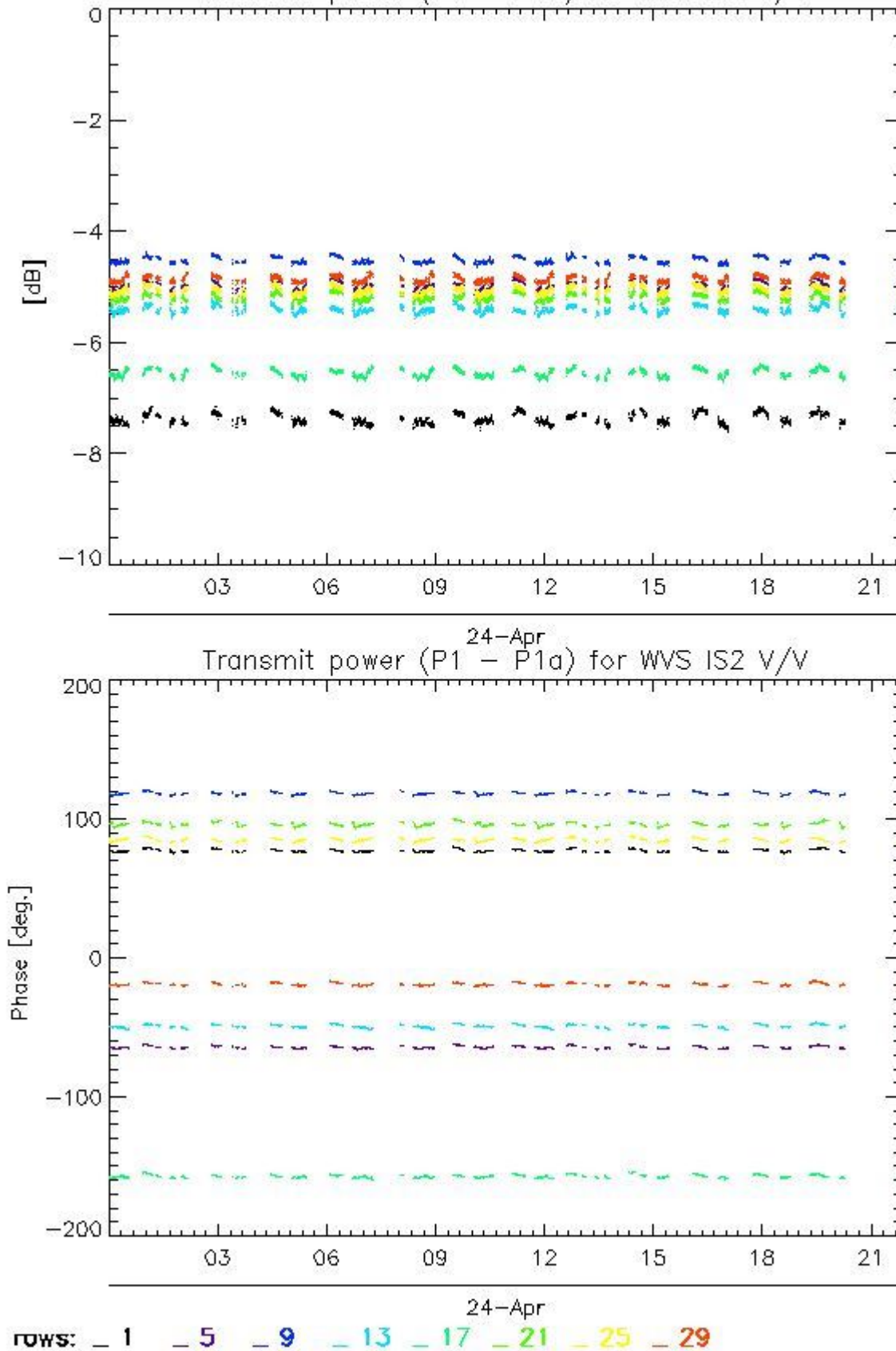
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



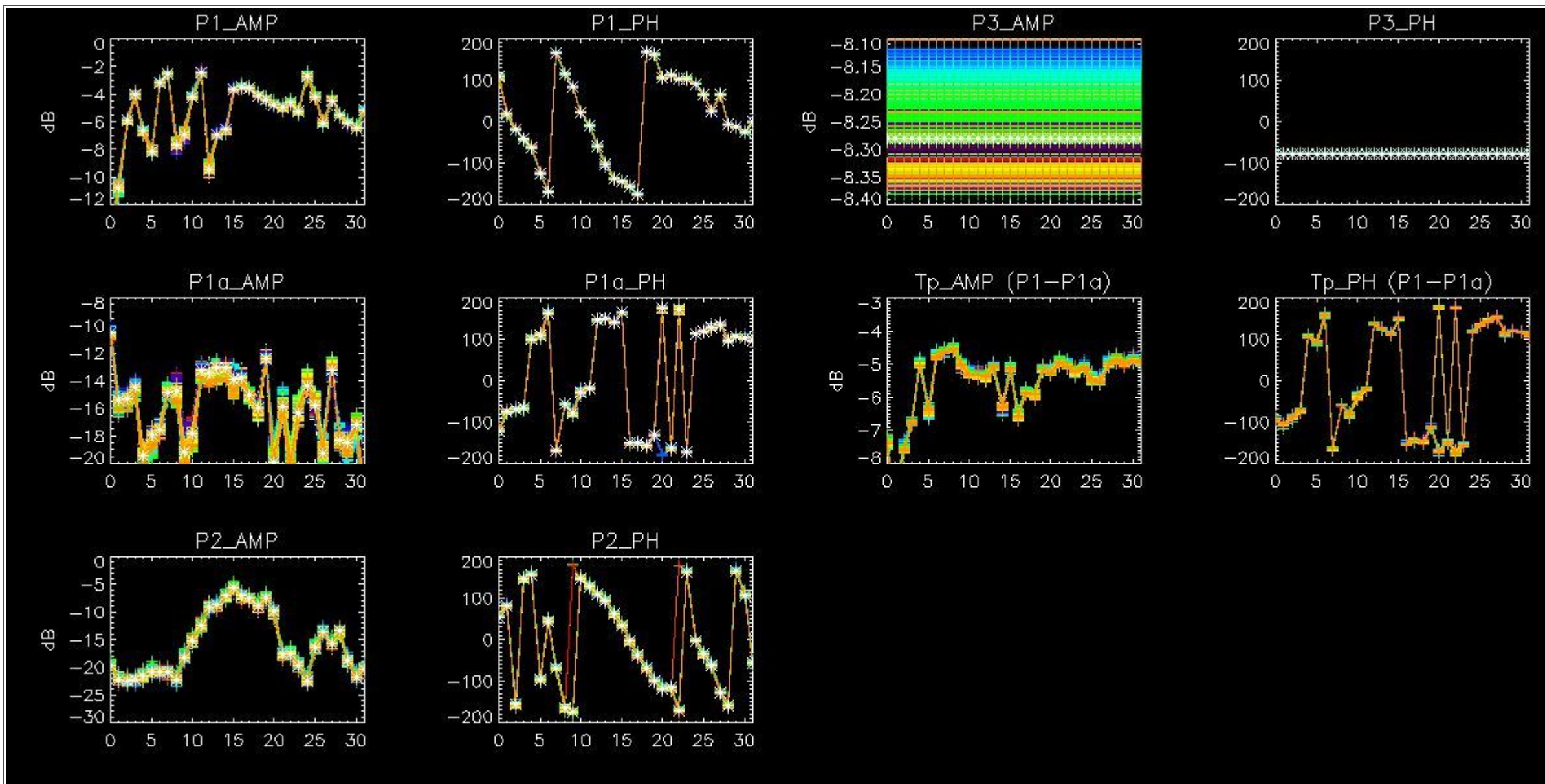
Transmit power (P1 - P1a) for WVS IS2 V/V



#### 4.1.2 - All Rows Analysis for WVS IS2 V/V

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## 4.2 - Analysis for GM1 SS3 H/H

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

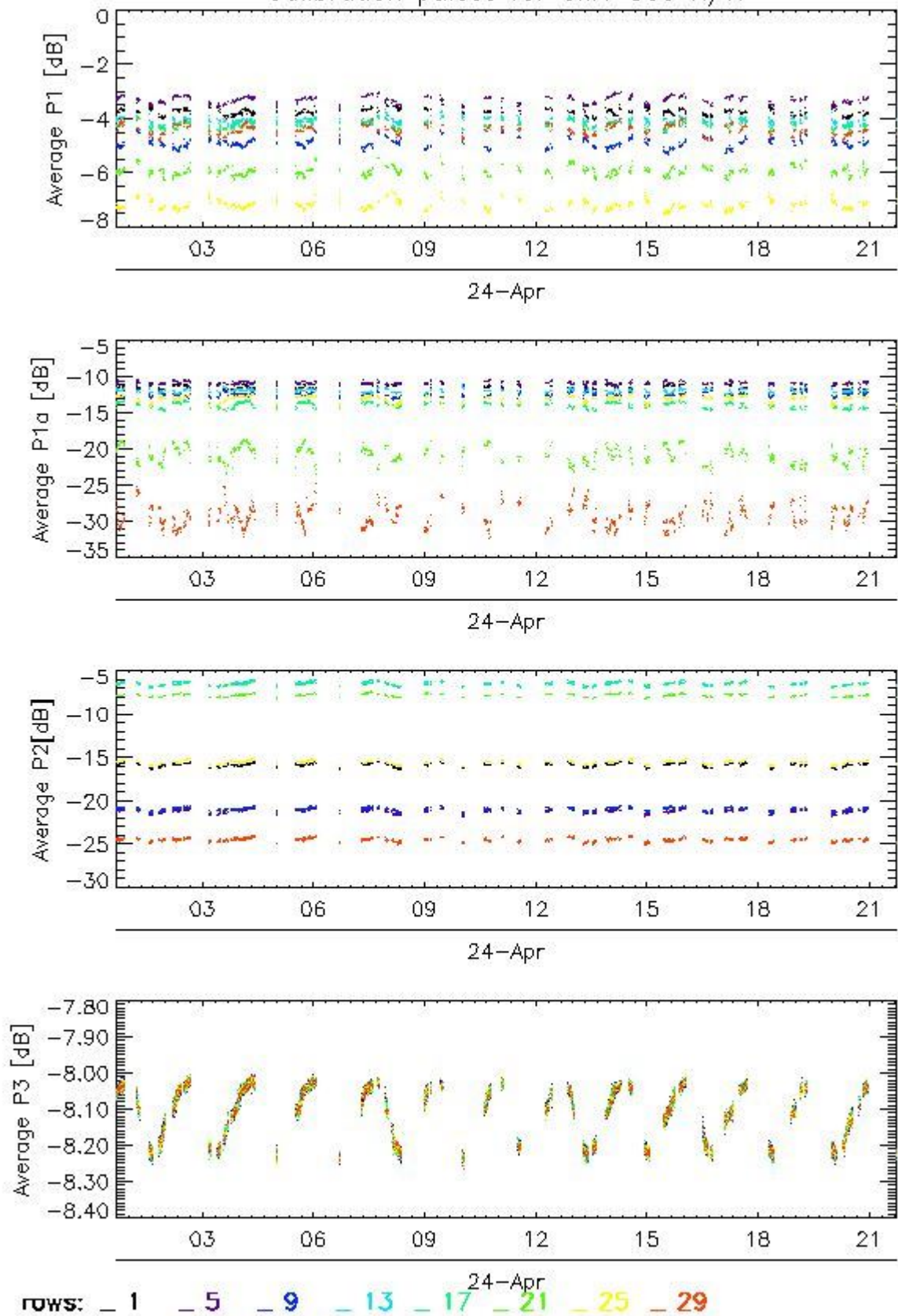
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

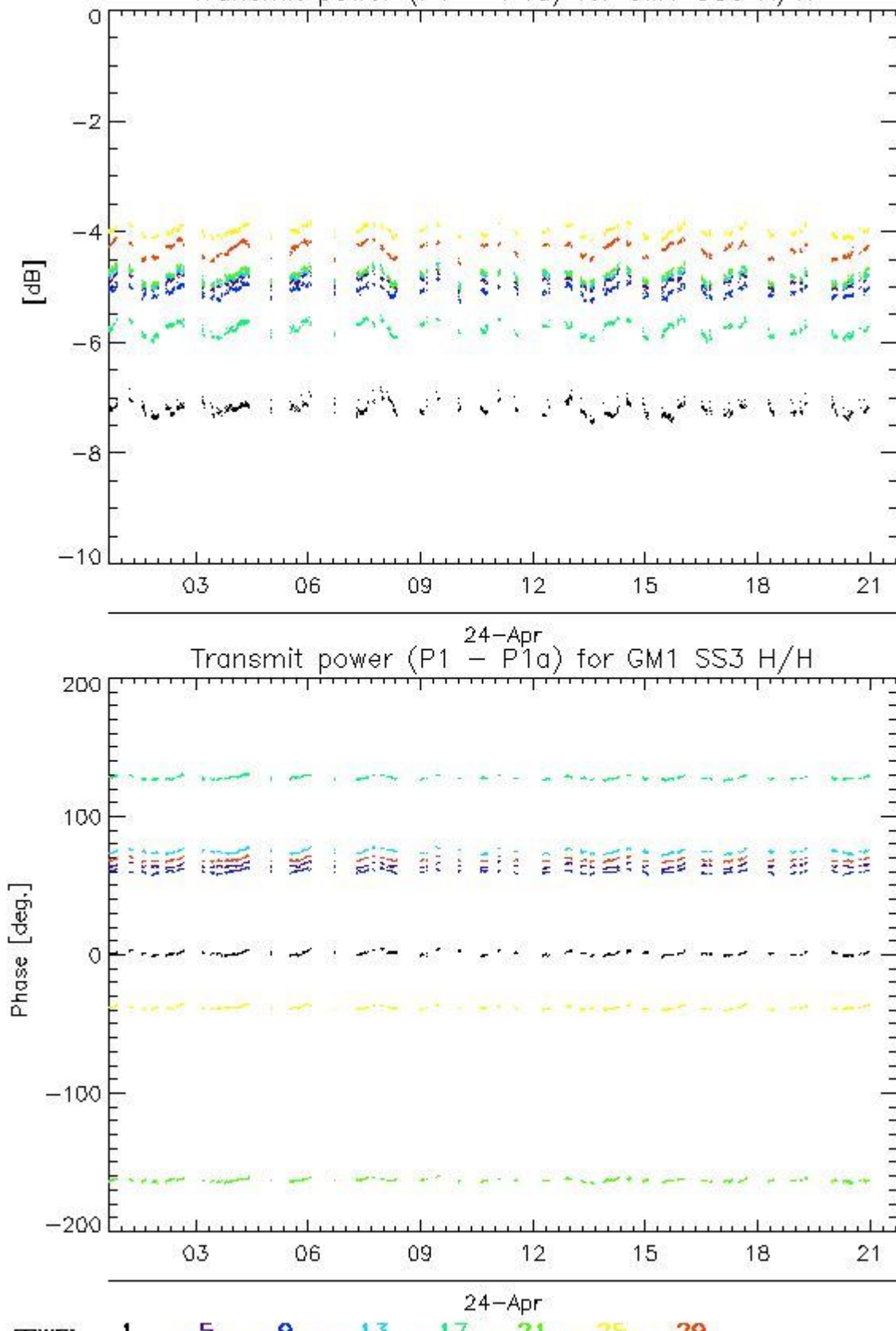
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



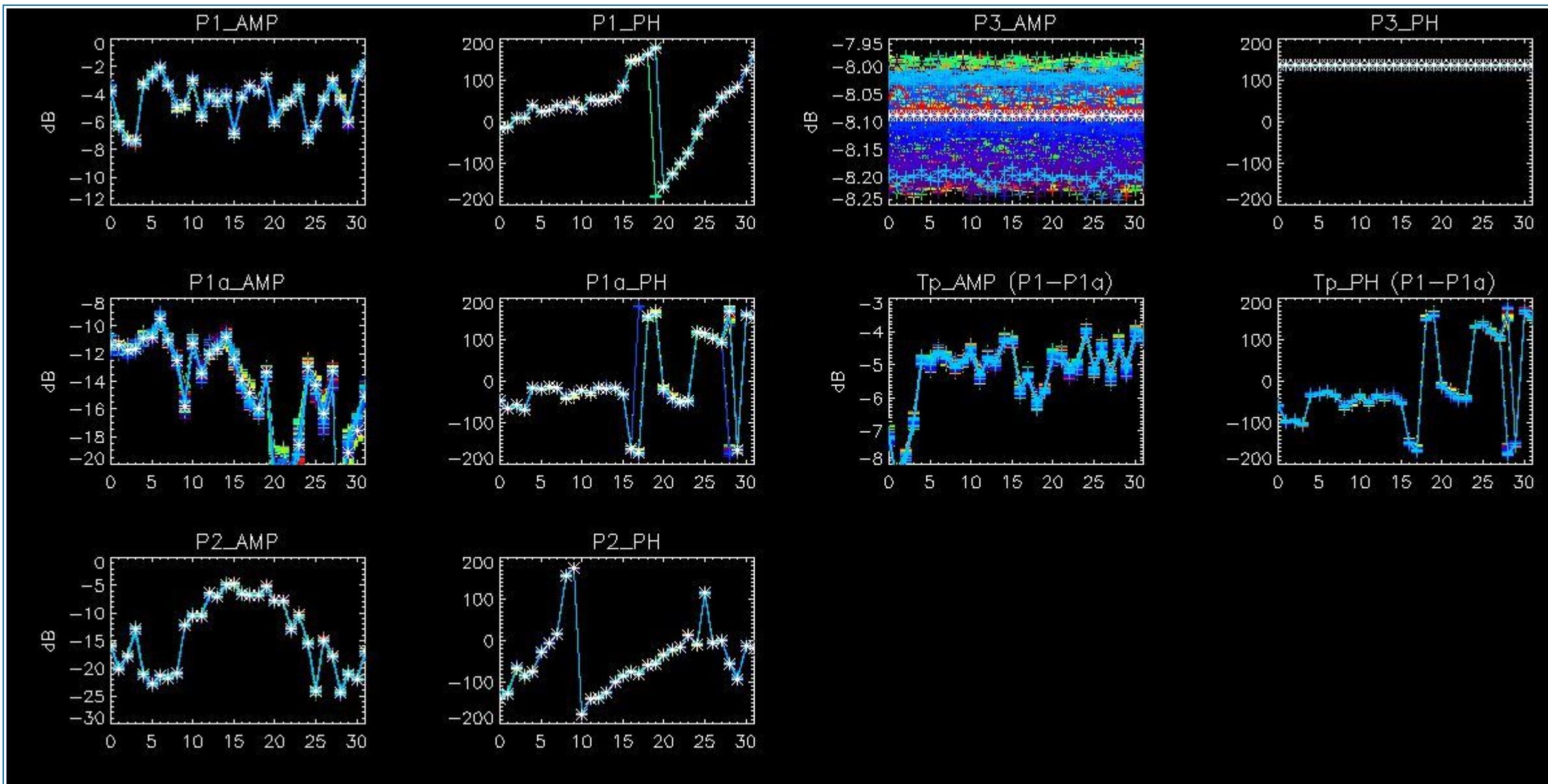
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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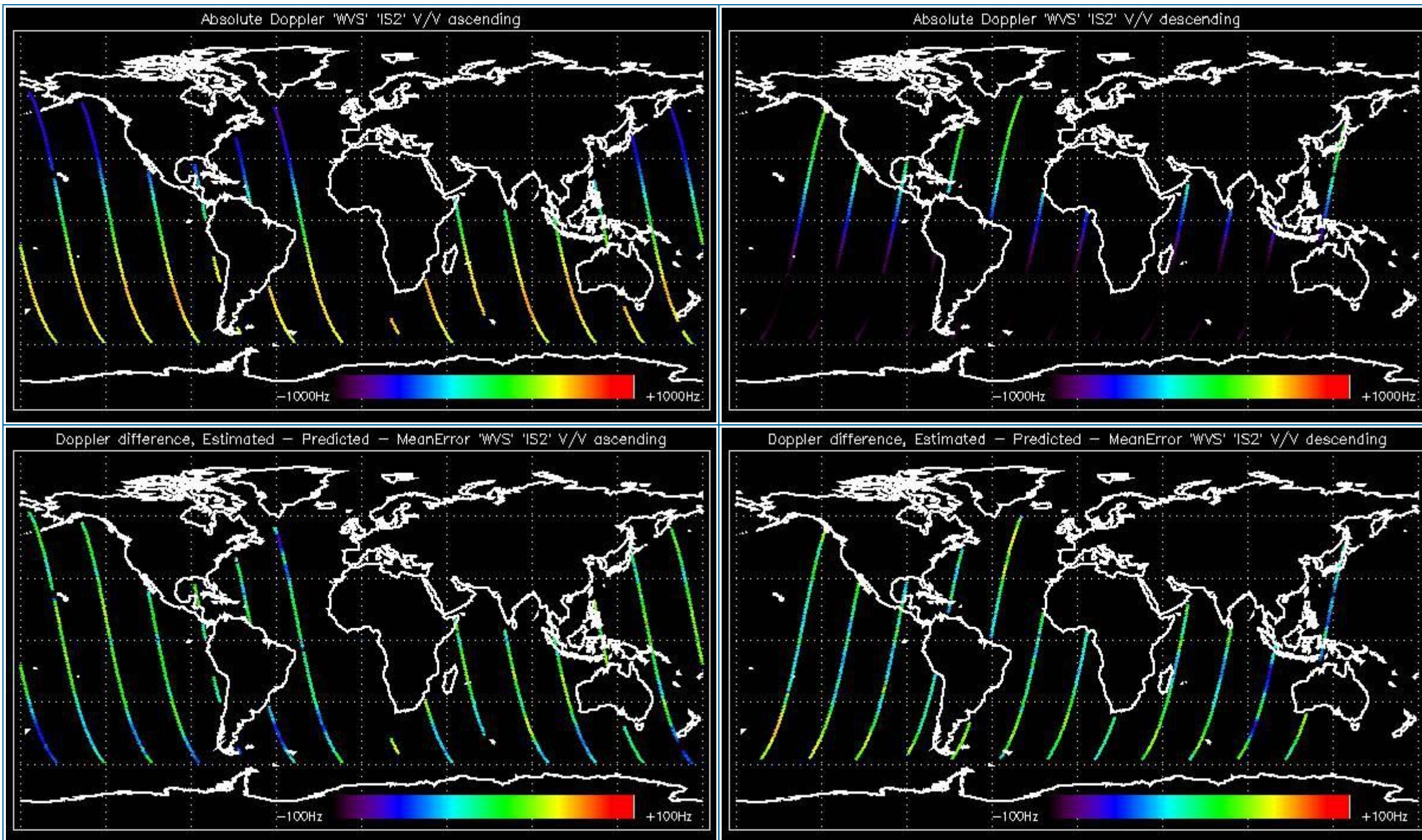
## 5 - DOPPLER ANALYSIS

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

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

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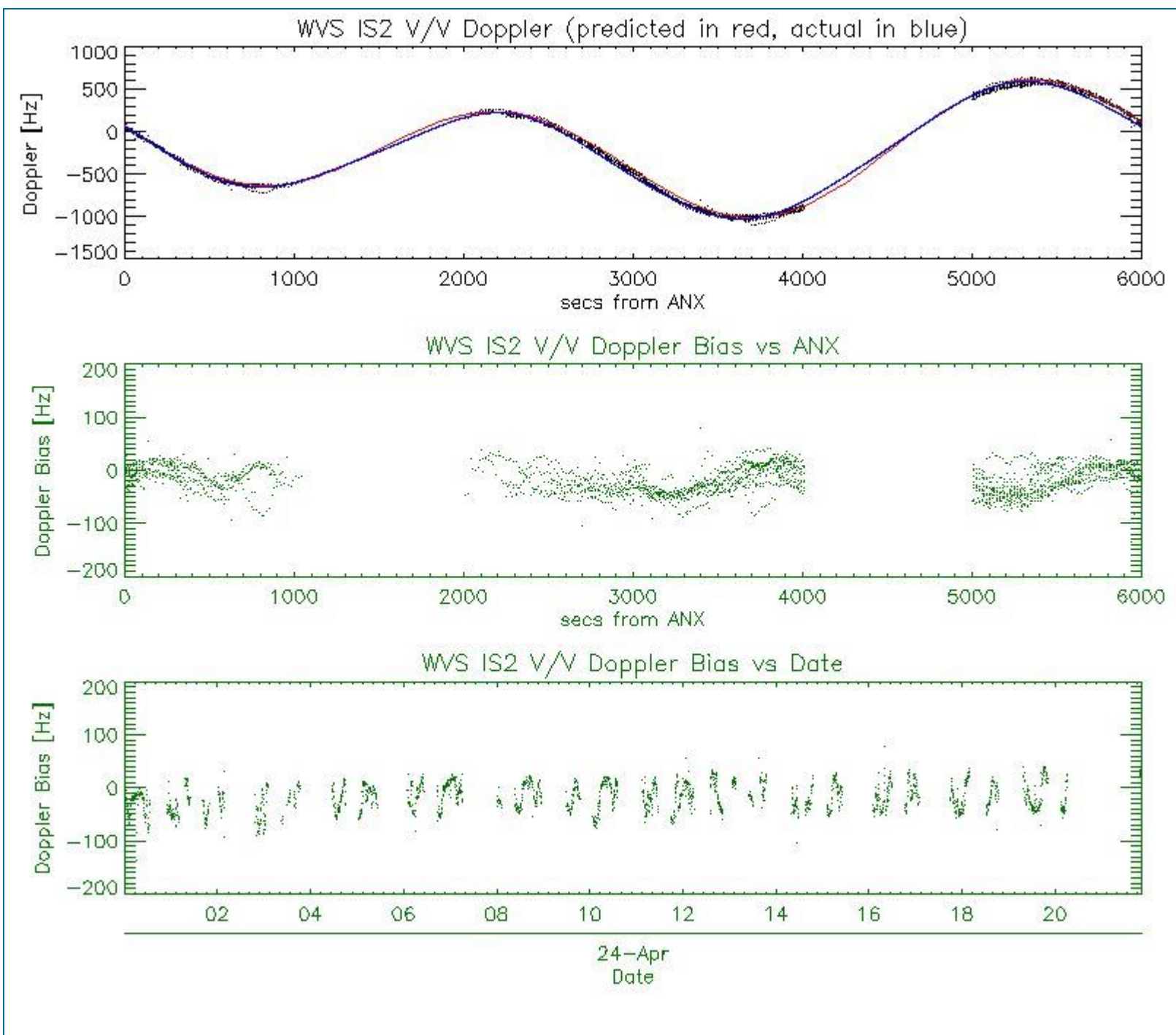




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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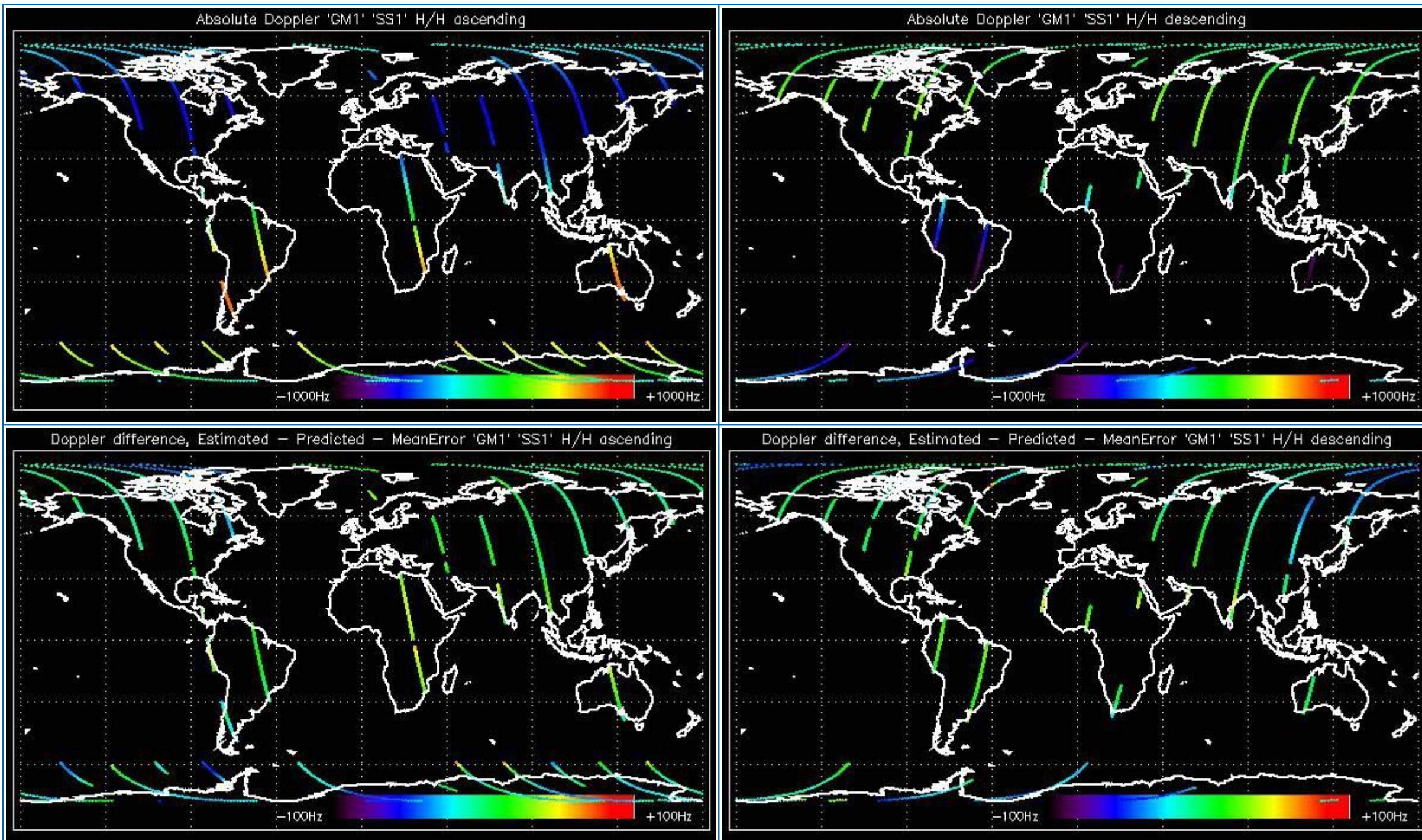


## 5.2 - Analysis for GM1 SS1 H/H

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

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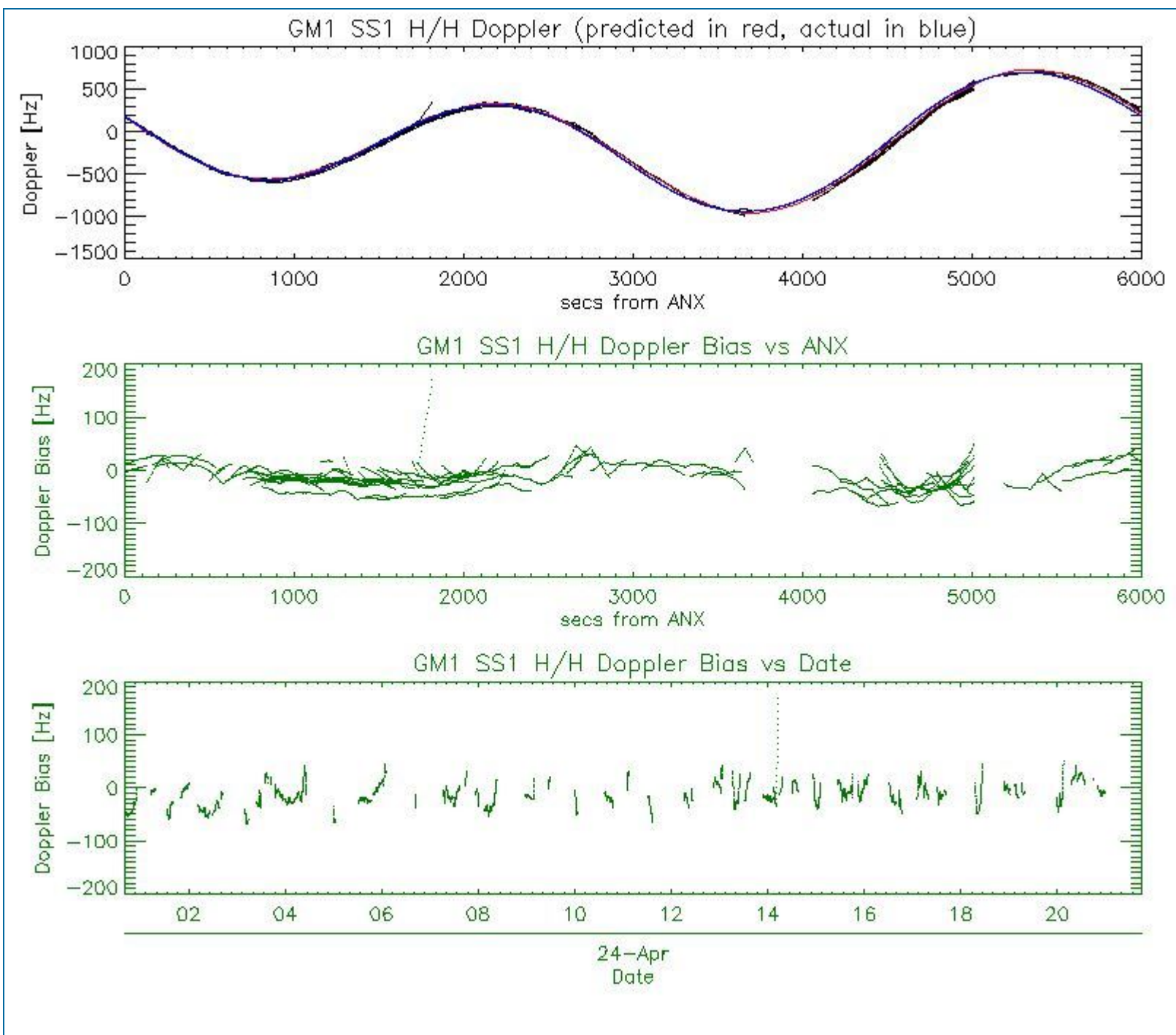




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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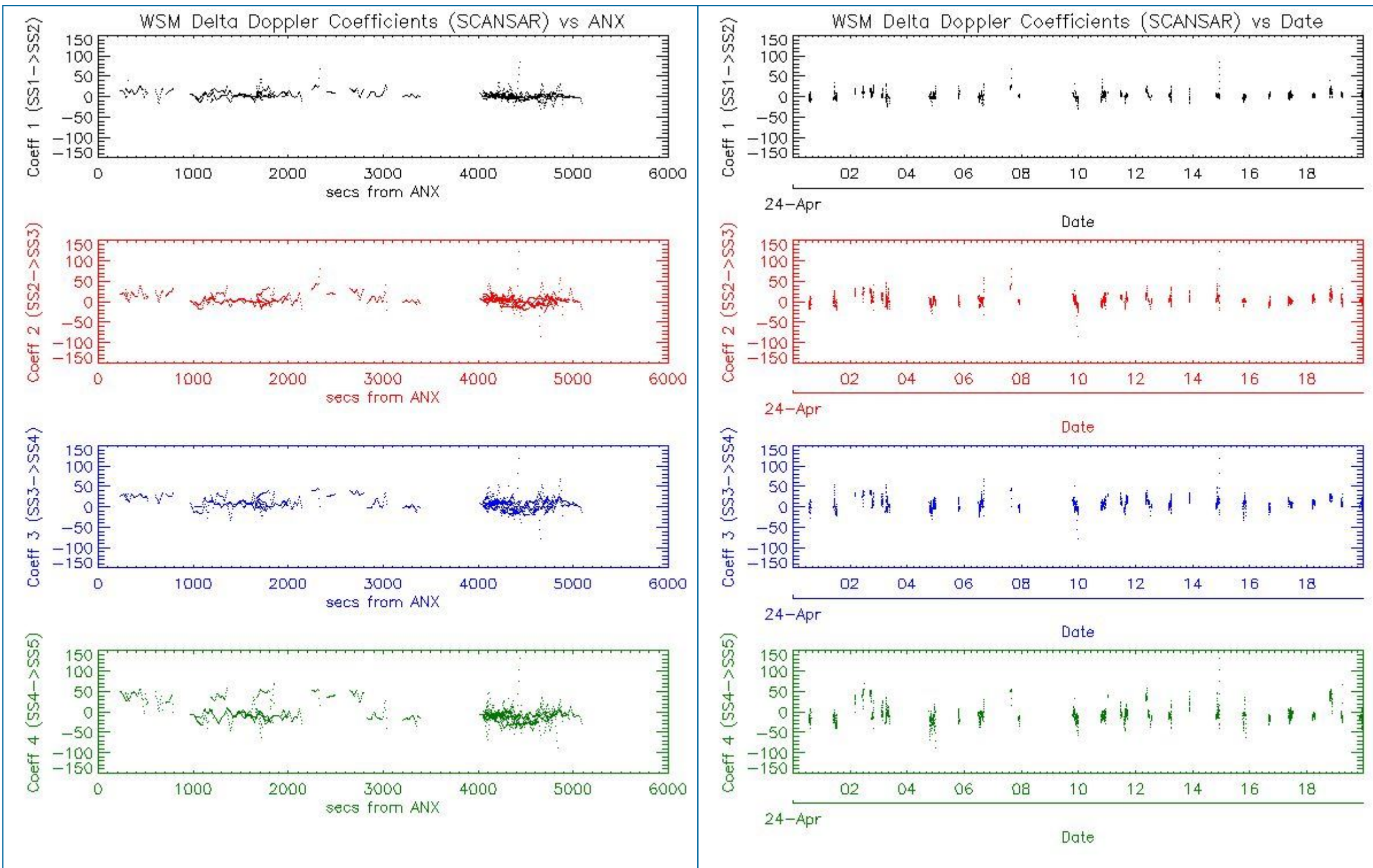




### 5.3 - Doppler JUMPS Analysis for WSM

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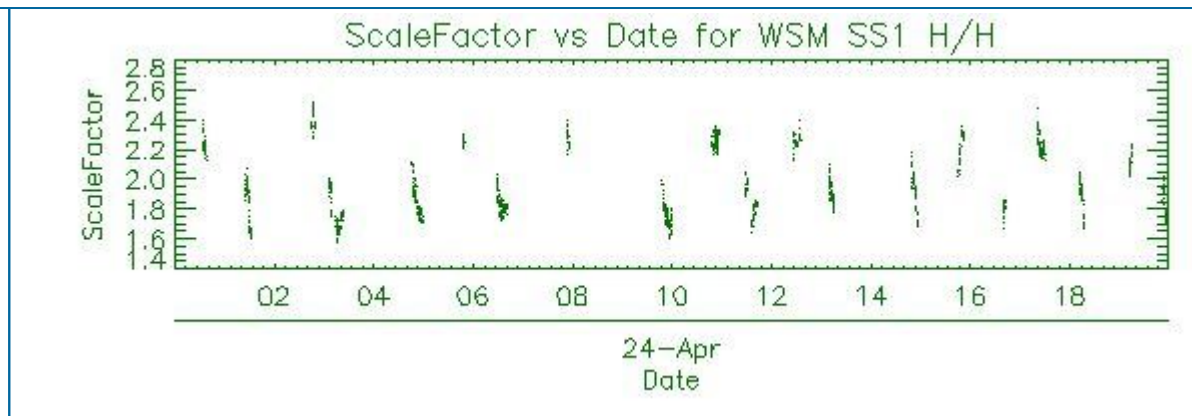
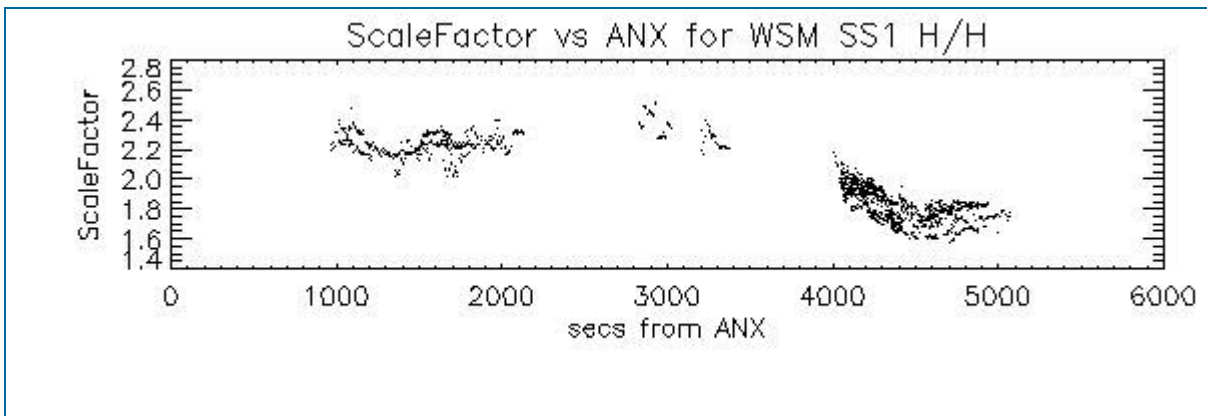
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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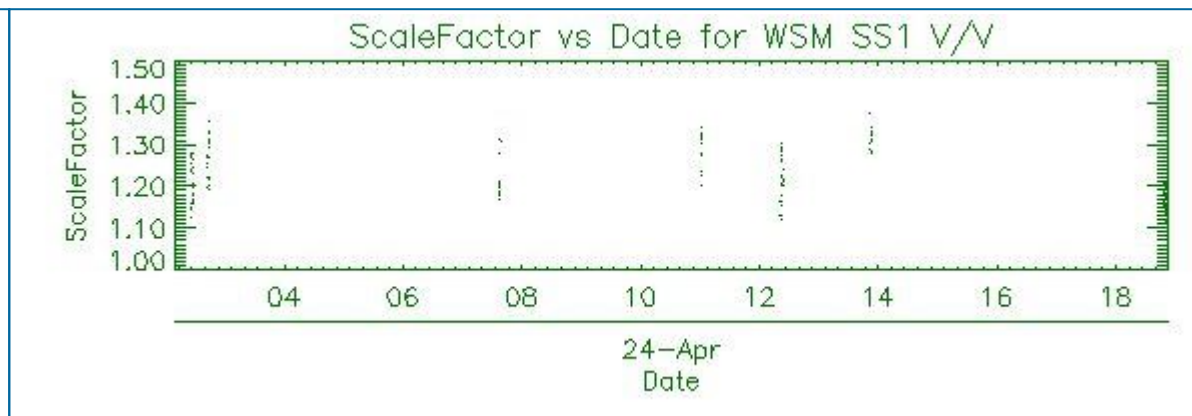
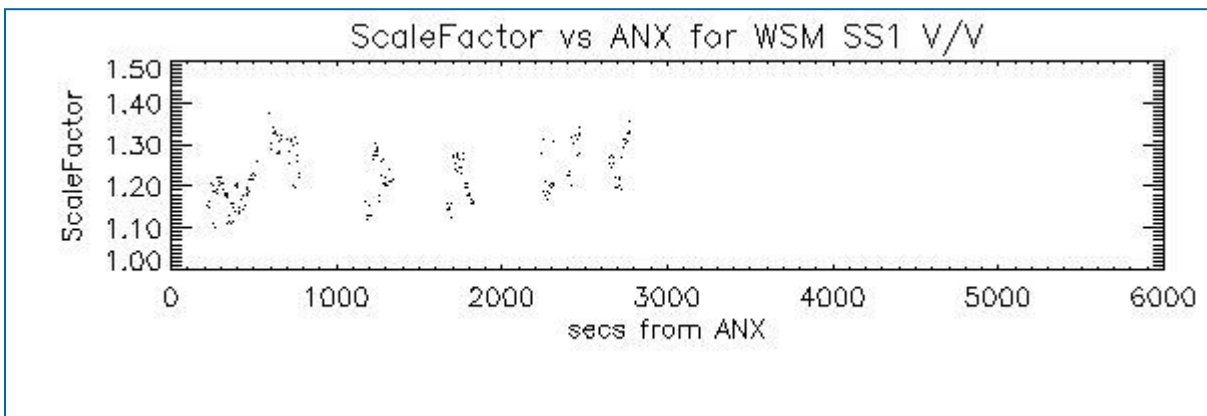




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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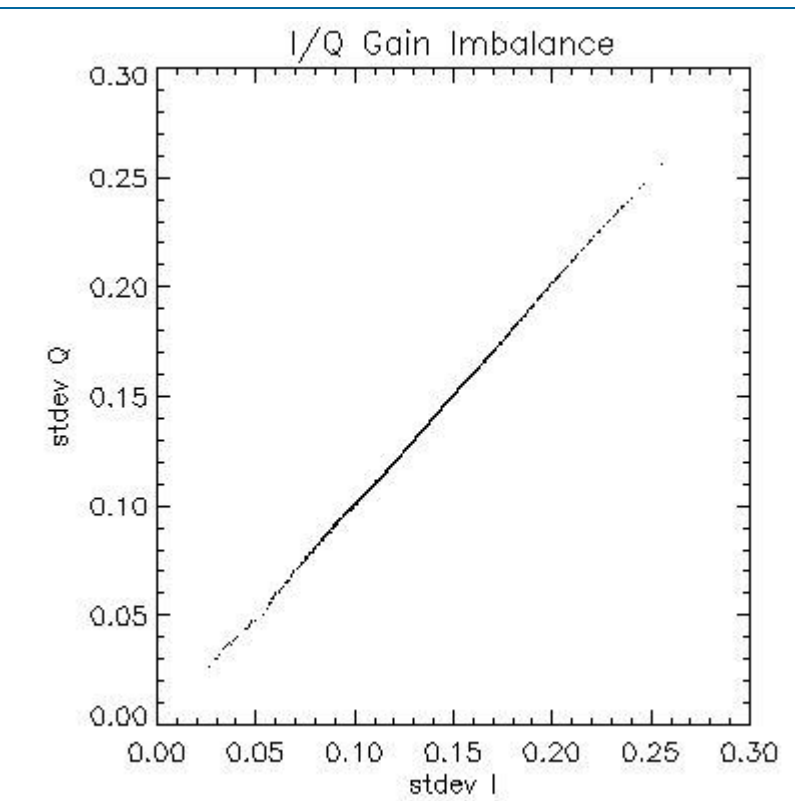
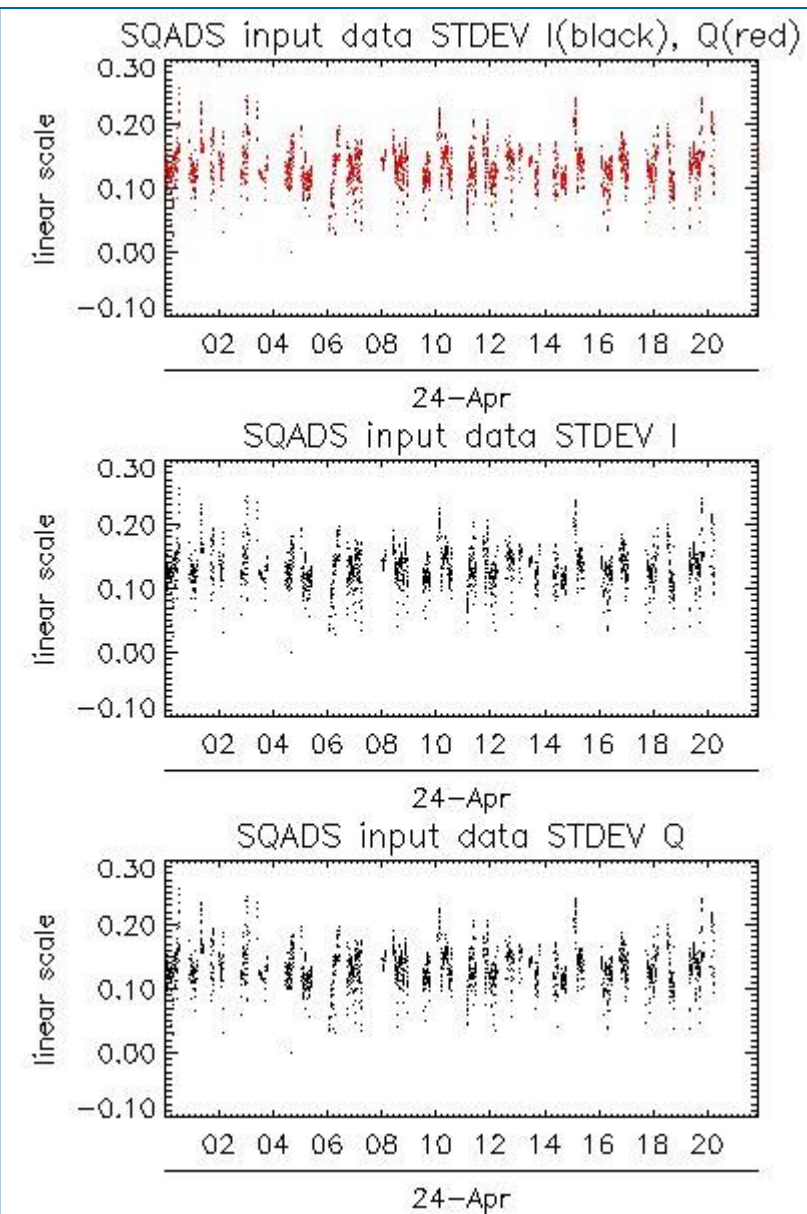
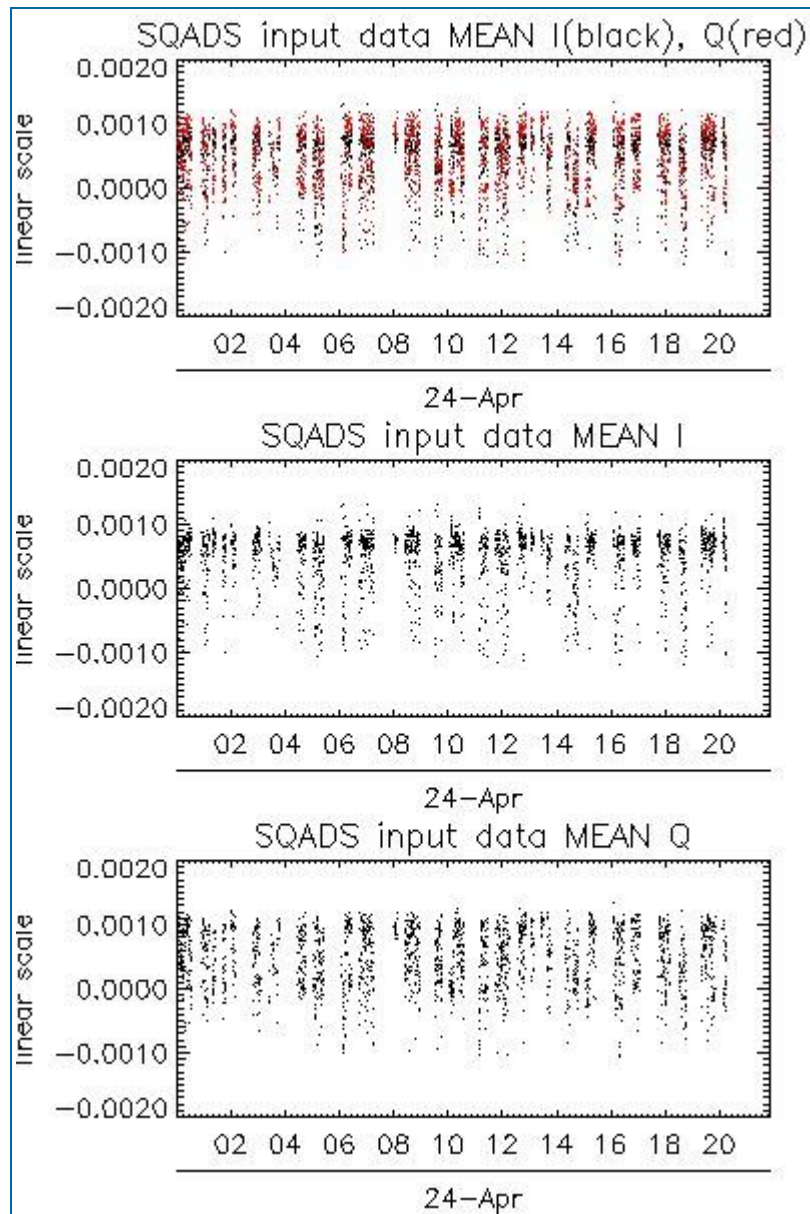
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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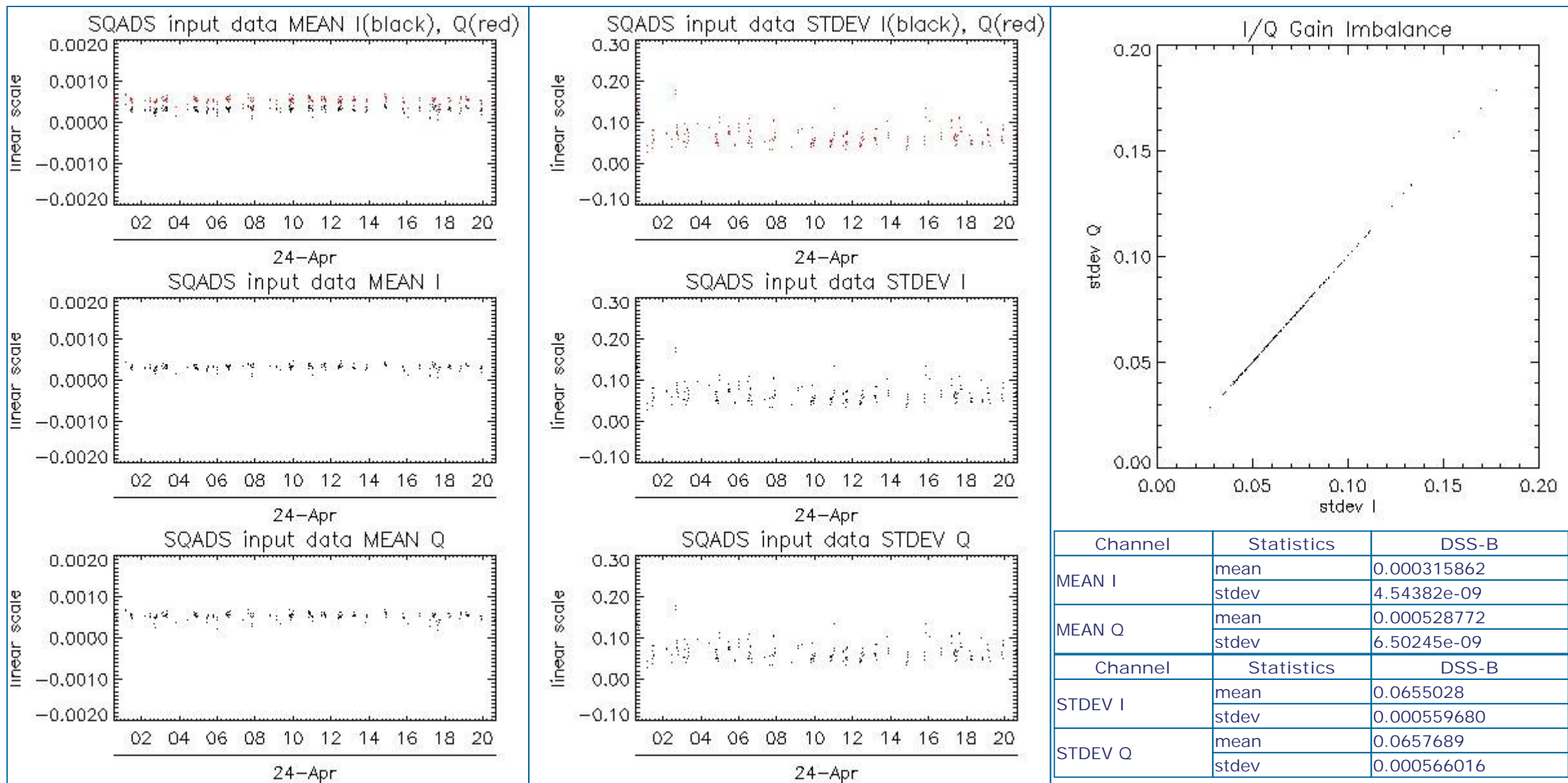


Channel	Statistics	DSS-B
MEAN I	mean	0.000480124
	stdev	2.06405e-07
MEAN Q	mean	0.000491877
	stdev	2.21919e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.133173
	stdev	0.00100616
STDEV Q	mean	0.133518
	stdev	0.00102181

## 7.2 - Analysis for IMM

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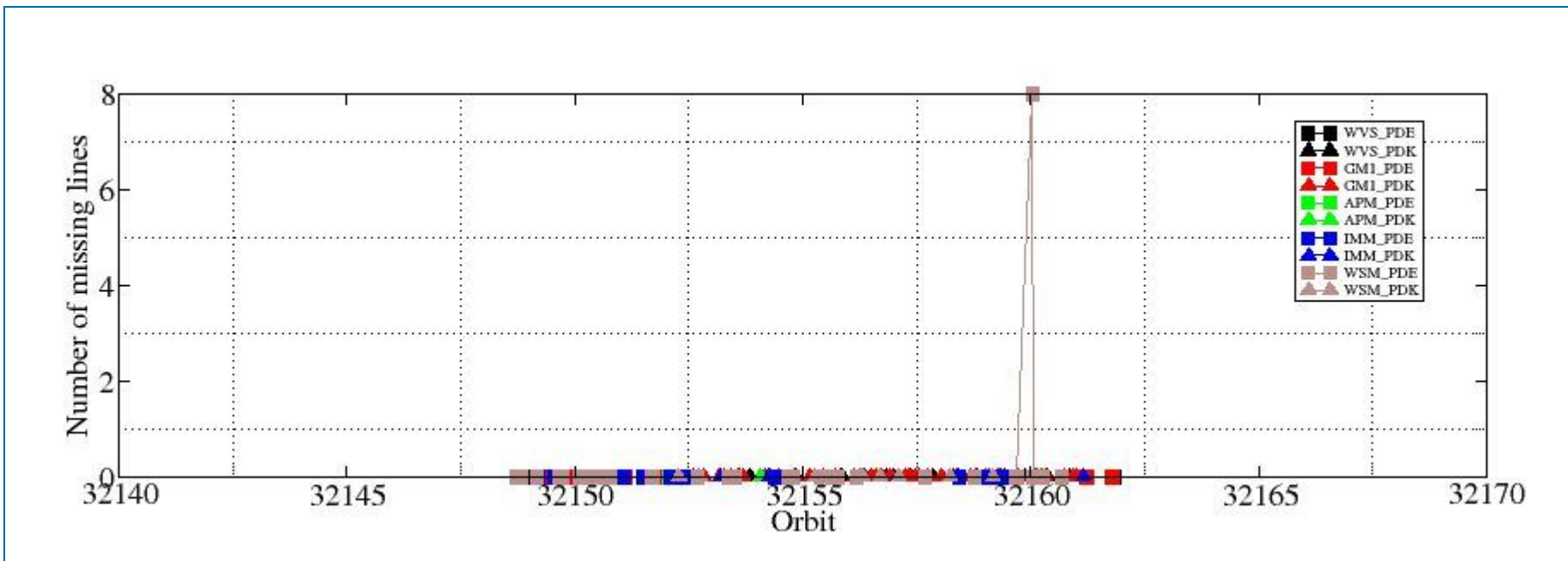
## 8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_APM_1PNPDE20080424_052616_000000412068_00034_32152_5531.N1	14	0
PDK	ASA_APM_1PNPDK20080424_084628_000000402068_00036_32154_5313.N1	15	0
PDE	ASA_WSM_1PNPDE20080424_184747_000000862068_00042_32160_5838.N1	0	8

### 8.1 - Number of Missing lines

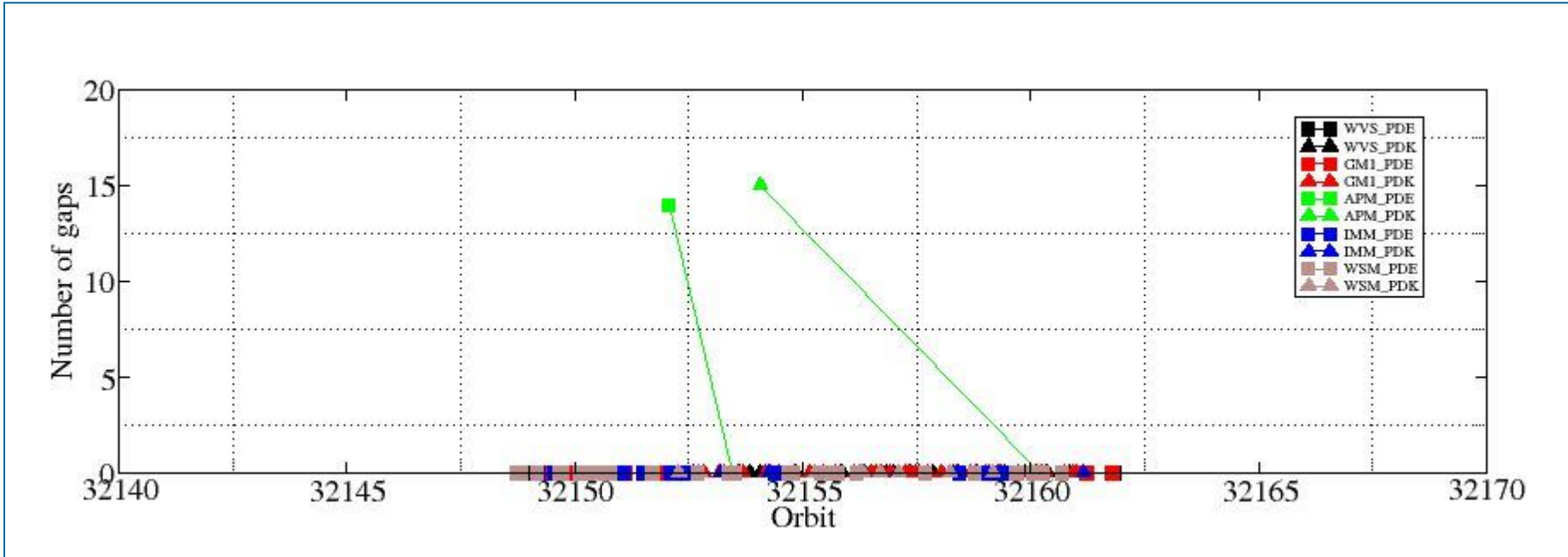
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 080424  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: TODAY

Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05  
Results will be exported to the directory: ./RESULTS/DAILY/080424/

DATA SUMMARY

#####  
Summary will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05  
Results will be exported to the directory: ./RESULTS/DAILY/080424/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/080424/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080424/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS

#####  
Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05  
Results will be exported to the directory: ./RESULTS/DAILY/080424/AUXILIARY

Creating directory ./RESULTS/DAILY/080424/AUXILIARY...

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



Found list 20080424\_030000\_current\_3\_IECF\_ADFs.txt...  
Extracting ADFs...

ASA\_CON\_AXVIEC20071218\_084201\_20070204\_165113\_20081231\_000000  
ASA\_INS\_AXVIEC20071218\_083603\_20070307\_060000\_20081231\_000000  
ASA\_XCH\_AXVIEC20051219\_162547\_20020301\_000000\_20081231\_000000  
ASA\_XCA\_AXVIEC20071218\_082742\_20070204\_165113\_20081231\_000000

Writing file ./RESULTS/DAILY/080424/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
Writing file ./RESULTS/DAILY/080424/AUXILIARY/Auxiliary\_files\_summary.html...

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

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_WVS.xls...  
Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20080424_000024_000003592068_00030_32148_4813.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_000539_000016192068_00030_32148_4948.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_005453_000009352068_00031_32149_4953.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_011800_000003752068_00031_32149_4958.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_014058_000002402068_00031_32149_4961.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_014413_000002702068_00031_32149_5097.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_020016_000005242068_00032_32150_5104.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_024841_000005842068_00032_32150_5116.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_025811_000003902068_00032_32150_5246.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_032252_00000452068_00032_32150_5269.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_033009_000001942068_00032_32150_5266.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_033845_000001042068_00033_32151_5249.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_034259_000001792068_00033_32151_5278.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_042710_000007642068_00033_32151_5283.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_043925_000003602068_00033_32151_5433.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_050210_000014092068_00033_32151_5461.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_060450_000009292068_00034_32152_5455.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20080424_214928_000001342068_00043_32161_5883.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_062004_000003602068_00034_32152_5158.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_064246_000019792068_00034_32152_5184.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_080053_000003452068_00035_32153_5319.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_082322_000013492068_00035_32153_5322.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_084716_000006292068_00036_32154_5335.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_092943_000010492068_00036_32154_5457.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_100358_000019192068_00036_32154_5535.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_110743_000011992068_00037_32155_5591.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_114425_000001052068_00037_32155_5588.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_114740_000016042068_00037_32155_5612.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_123508_000009892068_00038_32156_5722.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_130322_000003002068_00038_32156_5725.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_132509_000003002068_00038_32156_5728.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_133840_000005242068_00038_32156_5746.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_142015_000005092068_00039_32157_5861.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_143716_000006602068_00039_32157_5866.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_150545_000011692068_00039_32157_5876.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_160523_000014542068_00040_32158_5994.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_164621_000010942068_00040_32158_6006.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_174504_000014992068_00041_32159_6121.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_183100_000009592068_00041_32159_6126.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_191902_000019042068_00042_32160_6242.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20080424_200733_000005252068_00042_32160_6258.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_GM1.xls...  
Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_GM1.txt...



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Analysing APM products...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_APM.txt...

ASA_APM_1PNPDE20080424_052616_000000412068_00034_32152_5531.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20080424_074558_000000602068_00035_32153_5621.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20080424_074558_000001802068_00035_32153_5633.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20080424_074659_000001192068_00035_32153_5617.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20080424_074800_000000592068_00035_32153_5625.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20080424_084628_000000402068_00036_32154_5313.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20080424_190607_000000422068_00042_32160_6202.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20080424_203830_000000422068_00043_32161_6244.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing IMM products...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA_IMM_1PNPDE20080424_003836_000000912068_00031_32149_5047.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_011105_000000942068_00031_32149_5060.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_023800_000000802068_00032_32150_5092.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_034818_000000502068_00033_32151_5373.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_042619_000000452068_00033_32151_5243.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_052752_000002022068_00034_32152_5547.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_055940_000001402068_00034_32152_5426.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_075008_000001212068_00035_32153_5604.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_091858_000000392068_00036_32154_5627.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_110253_000000512068_00037_32155_5670.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_160426_000000512068_00040_32158_5762.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_171055_000001402068_00041_32159_5770.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_173220_000000372068_00041_32159_5788.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_173714_000000642068_00041_32159_5828.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_173815_000000042068_00041_32159_5794.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_174146_000001542068_00041_32159_5830.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080424_174347_000000332068_00041_32159_5800.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080424_071916_000000352068_00035_32153_5220.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080424_090640_000000982068_00036_32154_5422.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080424_123046_000001122068_00038_32156_5690.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080424_135023_000000652068_00039_32157_5827.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080424_204033_000000512068_00043_32161_6260.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing WSM products...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/080424/AUXILIARY/Check\_ADFs\_WSM.txt...

ASA_WSM_1PNPDE20080424_003332_000002442068_00031_32149_5179.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_012459_000002442068_00031_32149_5187.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_012459_000004832068_00031_32149_5357.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_013005_000001762068_00031_32149_5188.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_020949_000000852068_00032_32150_5227.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_022551_000001762068_00032_32150_5231.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_024212_000001402068_00032_32150_5229.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_024513_000002072068_00032_32150_5233.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_030535_000002192068_00032_32150_5235.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_031412_000005182068_00032_32150_5523.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_044611_000003242068_00033_32151_5424.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_045211_000004222068_00033_32151_5580.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

ASA_WSM_1PNPDE20080424_062847_000001402068_00034_32152_5578.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_073715_000000852068_00035_32153_5602.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_075313_000001832068_00035_32153_5619.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_094759_000002612068_00036_32154_5708.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_095154_000000672068_00036_32154_5635.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_095154_000003062068_00036_32154_5672.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_095403_000001762068_00036_32154_5658.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_095629_000000912068_00036_32154_5706.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_095836_000000852068_00036_32154_5704.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_110105_000000862068_00037_32155_5674.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_112834_000001412068_00037_32155_5722.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_113611_000004472068_00037_32155_5752.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_122120_000001762068_00038_32156_5750.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_144902_000004282068_00039_32157_5790.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_163917_000001832068_00040_32158_5786.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_181059_000001292068_00041_32159_5824.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_181059_000003852068_00041_32159_5866.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_181403_000002012068_00041_32159_5825.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_184747_000000862068_00042_32160_5838.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_184843_000002442068_00042_32160_5836.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_191135_000002022068_00042_32160_5862.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20080424_195134_000003972068_00042_32160_5864.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20080424_054657_000001462068_00034_32152_5155.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20080424_063147_000005372068_00034_32152_5305.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

AUXILIARY FILES ANALYSIS completed

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MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Results will be exported to the directory: ./RESULTS/DAILY/080424/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/080424/MODULE\_STEPPING...

Creating directory ./RESULTS/DAILY/080424/MODULE\_STEPPING/FIRST\_REFERENCE...

Creating directory ./RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE...

Creating directory ./RESULTS/DAILY/080424/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/080424/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H

Reference product: ASA\_MS\_0PNPDK20050922\_062651\_00000152041\_00034\_18625\_0041.N1

Test product: ASA\_MS\_0PNPDK20080424\_062640\_00000162068\_00034\_32152\_0531.N1

H

H

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20080424\_062640-20050922\_062651.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20080424\_062640-20050922\_062651.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20080424\_062640-20050922\_062651.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20080424\_062640-20050922\_062651.png

Polarization: V

Reference product: ASA\_MS\_0PNPDK20050923\_055514\_00000152041\_00048\_18639\_0042.N1

Test product: ASA\_MS\_0PNPDK20080423\_170152\_00000162068\_00026\_32144\_0530.N1

V

V

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20080423\_170152-20050923\_055514.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20080423\_170152-20050923\_055514.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20080423\_170152-20050923\_055514.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20080423\_170152-20050923\_055514.png



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Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H

Reference product: ASA\_MS\_\_0PNPDK20080422\_173329\_000000162068\_00012\_32130\_0529.N1

Test product: ASA\_MS\_\_0PNPDK20080424\_062640\_000000162068\_00034\_32152\_0531.N1

H

H

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20080424\_062640-20080422\_173329.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20080424\_062640-20080422\_173329.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20080424\_062640-20080422\_173329.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20080424\_062640-20080422\_173329.png

Polarization: V

Reference product: ASA\_MS\_\_0PNPDK20080421\_180507\_000000162067\_00499\_32116\_0528.N1

Test product: ASA\_MS\_\_0PNPDK20080423\_170152\_000000162068\_00026\_32144\_0530.N1

V

V

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20080423\_170152-20080421\_180507.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20080423\_170152-20080421\_180507.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20080423\_170152-20080421\_180507.png

../../RESULTS/DAILY/080424/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20080423\_170152-20080421\_180507.png

MODULE\_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/080424/CALIBRATION\_PULSES...

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ALL ROWS Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-04-24\_1.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-04-24\_2.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-04-24\_3.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...



Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-04-24\_4.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...

Writing ../../RESULTS/DAILY/080424//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 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-04-24\_1.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-04-24\_2.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-04-24\_3.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-04-24 00:00:00 to 2008-04-24 23:00:05. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/080424/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-04-24\_4.dat...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...

Writing ../../RESULTS/DAILY/080424//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed

#####

DOPPLER ANALYSIS

#####

Creating directory ./RESULTS/DAILY/080424/DOPPLER...

\*\*\*\*\*  
\*\*\*\*\*

DOPPLER ANX Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...

Writing file ./RESULTS/DAILY/080424/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2008-04-24.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/080424/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...

Writing file ./RESULTS/DAILY/080424/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2008-04-24.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/080424/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*

DOPPLER JUMPS Analysis will be performed on WSM products from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...  
Writing file ./RESULTS/DAILY/080424/DOPPLER/Doppler\_Jumps\_data\_WSM\_2008-04-24.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/080424/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/080424/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

Analysing products WVS IS2 V/V  
Loading predicted doppler values....  
Phase: descending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -19.890991 Hz  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*  
Loading predicted doppler values....  
Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -15.547798 Hz  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...  
Writing file ../../RESULTS/DAILY/080424//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 = -12.705276 Hz  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*  
Loading predicted doppler values....  
Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -14.741476 Hz  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...  
Writing file ../../RESULTS/DAILY/080424//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*  
DOPPLER ANALYSIS completed  
#####

CHIRP ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/080424/CHIRP...

\*\*\*\*\*  
\*\*\*\*\*  
CHIRP Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...
Writing file ./RESULTS/DAILY/080424/CHIRP/ScaleFactor_data_WSM_SS1_HH_2008-04-24.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/080424/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/080424/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...
Writing file ./RESULTS/DAILY/080424/CHIRP/ScaleFactor_data_WSM_SS1_VV_2008-04-24.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/080424/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/080424/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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

```
RAW DATA ANALYSIS
#####
Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05
Results will be exported to the directory: ./RESULTS/DAILY/080424/RAW_DATA
```

```
Creating directory ./RESULTS/DAILY/080424/RAW_DATA...
```

```
*****
Getting raw data for WVS from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...
Writing file ./RESULTS/DAILY/080424/RAW_DATA/Raw_data_WVS_2008-04-24.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_WVS_gain_imbalance.png...
```

```
*****
Getting raw data for IMM from 2008-04-24 00:00:00 to 2008-04-24 23:00:05...
Writing file ./RESULTS/DAILY/080424/RAW_DATA/Raw_data_IMM_2008-04-24.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/080424/RAW_DATA/Raw_data_IMM_gain_imbalance.png...
```

```
RAW DATA ANALYSIS completed
#####
```

```
TELEMETRY ANALYSIS
#####
Analysis will be performed from 2008-04-24 00:00:00 to 2008-04-24 23:00:05
Results will be exported to the directory: ./RESULTS/DAILY/080424/TELEMETRY
```

```
Creating directory ./RESULTS/DAILY/080424/TELEMETRY...
```

```
Looking for gaps and missing lines in WVS products...
*****
Checking 18 products from PDE...
Checking 23 products from PDK...
```

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

```
*****
Checking 21 products from PDE...
Checking 45 products from PDK...

Looking for gaps and missing lines in APM products...
*****
Checking 5 products from PDE...
Found product...ASA_APM_1PNPDE20080424_052616_00000412068_00034_32152_5531.N1 / 14 gaps / 0 missing lines
Checking 3 products from PDK...
Found product...ASA_APM_1PNPDK20080424_084628_00000402068_00036_32154_5313.N1 / 15 gaps / 0 missing lines

Looking for gaps and missing lines in IMM products...
*****
Checking 17 products from PDE...
Checking 5 products from PDK...

Looking for gaps and missing lines in WSM products...
*****
Checking 36 products from PDE...
Found product...ASA_WSM_1PNPDE20080424_184747_00000862068_00042_32160_5838.N1 / 0 gaps / 8 missing lines
Checking 11 products from PDK...
```

```
Creating graph of missing lines and gaps...
*****
Creating image: ./RESULTS/DAILY/080424/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/080424/TELEMETRY/TELEMETRY_Gaps.png...
```

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

```
BROWSE PRODUCTS ANALYSIS
#####
Analysis will be performed on 2008-04-24
```

```
*****
Scanning directory /nas3/ENVISAT/ASAR//ASA_GM__BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_GM__BP/JPG/20080424/
```

```
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/20080424/
```

```
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/20080424/
```

```
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/20080424/
```

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

```
*****  
BROWSE PRODUCTS ANALYSIS completed  
#####  
  
HTML REPORT generation  
#####  
  
Building file ./RESULTS/DAILY/080424/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_1PNPDE20080424_052616_000000412068_00034_32152_5531.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20080424_074558_000000602068_00035_32153_5621.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20080424_074558_000001802068_00035_32153_5633.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20080424_074659_000001192068_00035_32153_5617.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20080424_074800_000000592068_00035_32153_5625.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20080424_084628_000000402068_00036_32154_5313.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20080424_190607_000000422068_00042_32160_6202.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20080424_203830_000000422068_00043_32161_6244.N1	OK	OK	OK	OK





ASA_GM1_1PNPDK20080424_201709_000003922068_00042_32160_6246.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20080424_202432_000005432068_00042_32160_6255.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_1PNPDE20080424_003836_000000912068_00031_32149_5047.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_011105_000000942068_00031_32149_5060.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_023800_000000802068_00032_32150_5092.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_034818_000000502068_00033_32151_5373.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_042619_000000452068_00033_32151_5243.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_052752_000002022068_00034_32152_5547.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_055940_000001402068_00034_32152_5426.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_075008_000001212068_00035_32153_5604.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_091858_000000392068_00036_32154_5627.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_110253_000000512068_00037_32155_5670.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_160426_000000512068_00040_32158_5762.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_171055_000001402068_00041_32159_5770.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_173220_000000372068_00041_32159_5788.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_173714_000000642068_00041_32159_5828.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_173815_000000042068_00041_32159_5794.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_174146_000001542068_00041_32159_5830.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20080424_174347_000000332068_00041_32159_5800.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20080424_071916_000000352068_00035_32153_5220.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20080424_090640_000000982068_00036_32154_5422.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20080424_123046_000001122068_00038_32156_5690.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20080424_135023_000000652068_00039_32157_5827.N1					OK	OK	OK	OK
ASA_IMM_1PNPDK20080424_204033_000000512068_00043_32161_6260.N1					OK	OK	OK	OK

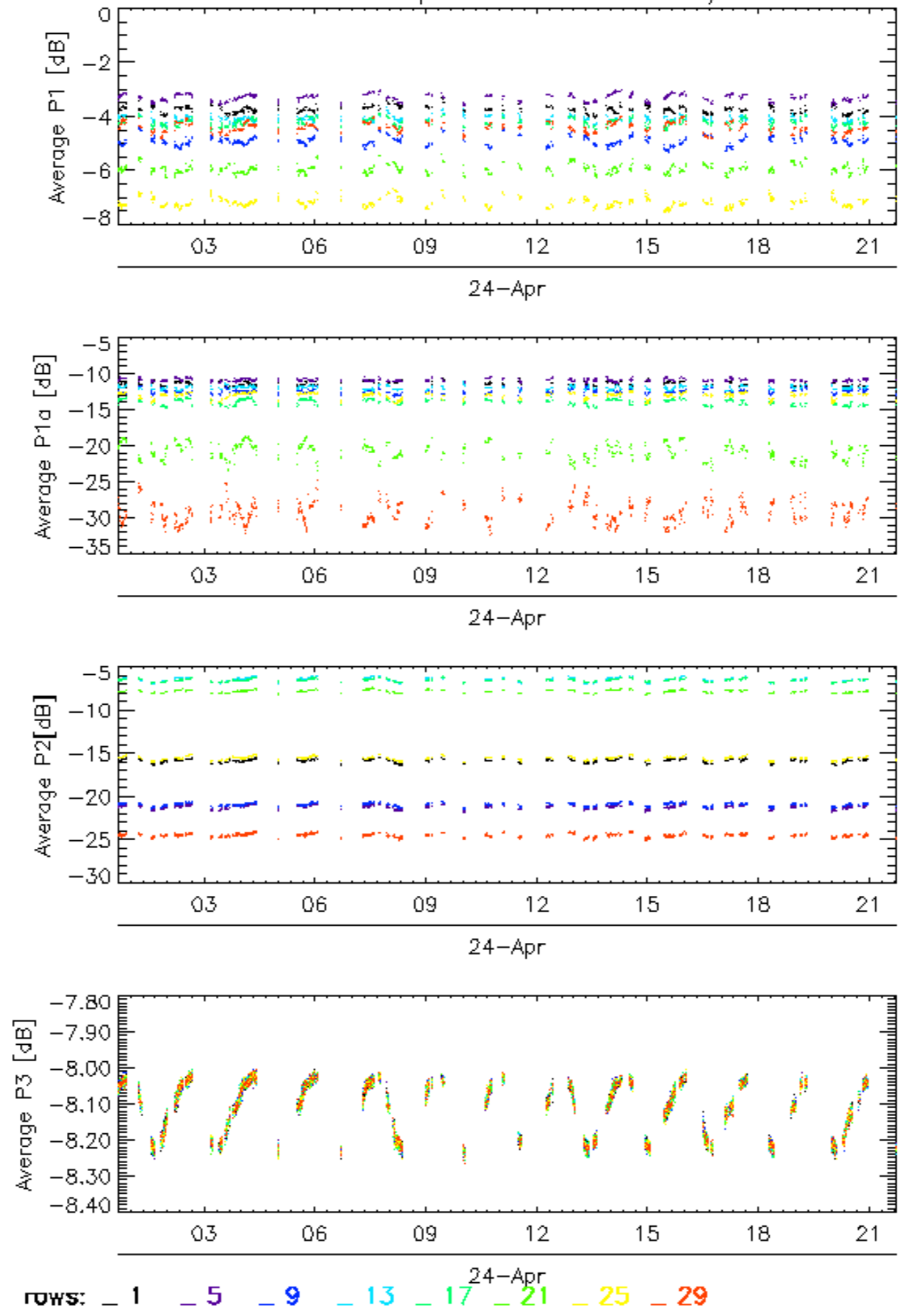
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20080424_003332_000002442068_00031_32149_5179.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_012459_000002442068_00031_32149_5187.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_012459_000004832068_00031_32149_5357.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_013005_000001762068_00031_32149_5188.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_020949_000000852068_00032_32150_5227.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_022551_000001762068_00032_32150_5231.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_024212_000001402068_00032_32150_5229.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_024513_000002072068_00032_32150_5233.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_030535_000002192068_00032_32150_5235.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_031412_000005182068_00032_32150_5523.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_044611_000003242068_00033_32151_5424.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_045211_000004222068_00033_32151_5580.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_062847_000001402068_00034_32152_5578.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_073715_000000852068_00035_32153_5602.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_075313_000001832068_00035_32153_5619.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_094759_000002612068_00036_32154_5708.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_095154_000000672068_00036_32154_5635.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_095154_000003062068_00036_32154_5672.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_095403_000001762068_00036_32154_5658.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_095629_000000912068_00036_32154_5706.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_095836_000000852068_00036_32154_5704.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_110105_000000862068_00037_32155_5674.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_112834_000001412068_00037_32155_5722.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_113611_000004472068_00037_32155_5752.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_122120_000001762068_00038_32156_5750.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_144902_000004282068_00039_32157_5790.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_163917_000001832068_00040_32158_5786.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_181059_000001292068_00041_32159_5824.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_181059_000003852068_00041_32159_5866.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_181403_000002012068_00041_32159_5825.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_184747_000000862068_00042_32160_5838.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_184843_000002442068_00042_32160_5836.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_191135_000002022068_00042_32160_5862.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20080424_195134_000003972068_00042_32160_5864.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20080424_054657_000001462068_00034_32152_5155.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20080424_063147_000005372068_00034_32152_5305.N1					OK	OK	OK	OK

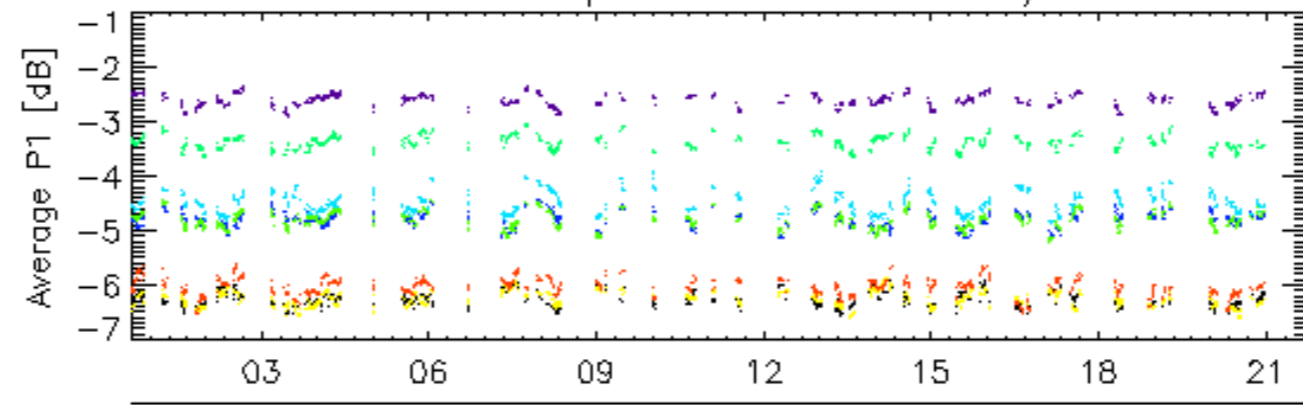
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WVS_1PNPDE20080424_000024_000003592068_00030_32148_4813.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_000539_000016192068_00030_32148_4948.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_005453_000009352068_00031_32149_4953.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_011800_000003752068_00031_32149_4958.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_014058_000002402068_00031_32149_4961.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_014413_000002702068_00031_32149_5097.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_020016_000005242068_00032_32150_5104.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_024841_000005842068_00032_32150_5116.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_025811_000003902068_00032_32150_5246.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_032252_000000452068_00032_32150_5269.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_033009_000001942068_00032_32150_5266.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_033845_000001042068_00033_32151_5249.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_034259_000001792068_00033_32151_5278.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_042710_000007642068_00033_32151_5283.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_043925_000003602068_00033_32151_5433.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_050210_000014092068_00033_32151_5461.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20080424_060450_000009292068_00034_32152_5455.N1					OK	OK	OK	OK
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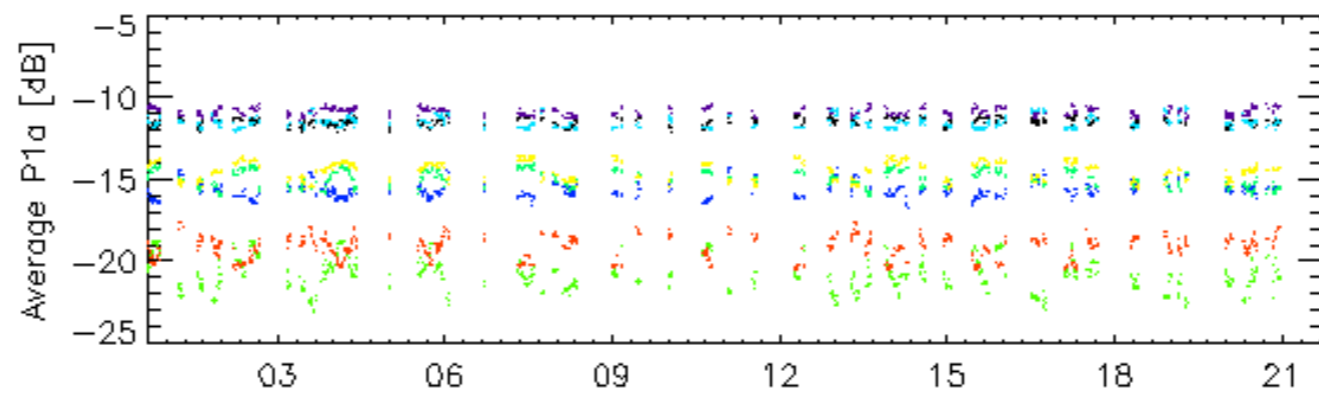
Calibration pulses for GM1 SS3 H/H



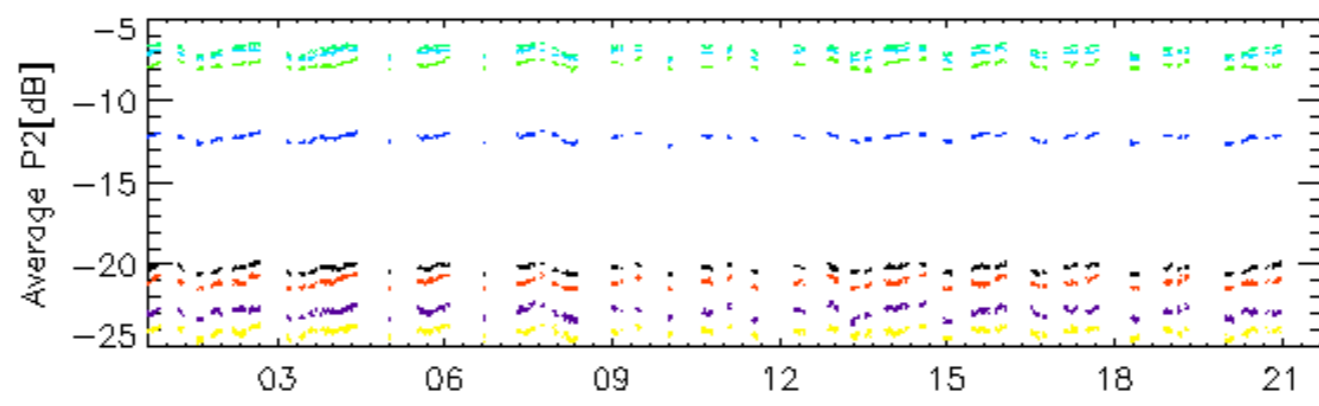
Calibration pulses for GM1 SS3 H/H



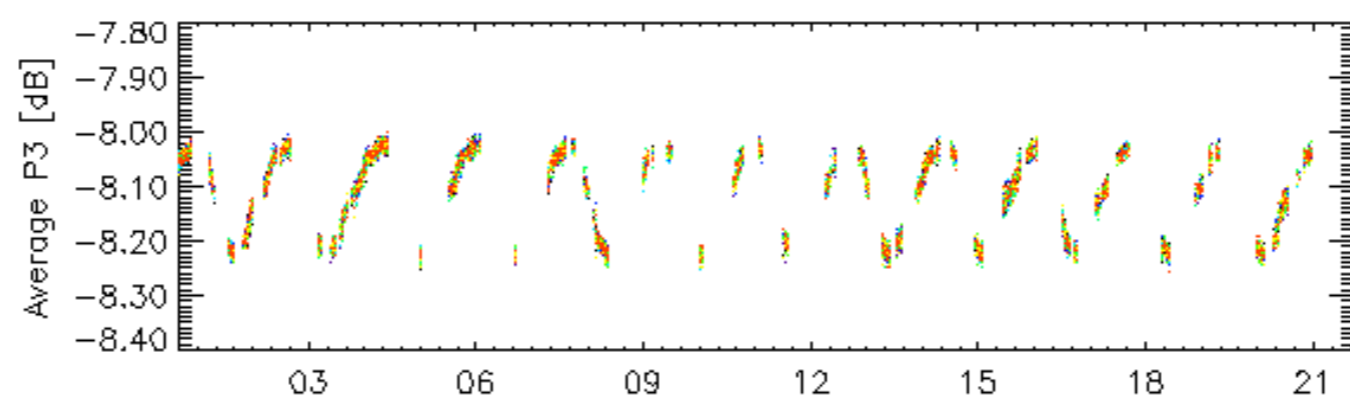
24-Apr



24-Apr



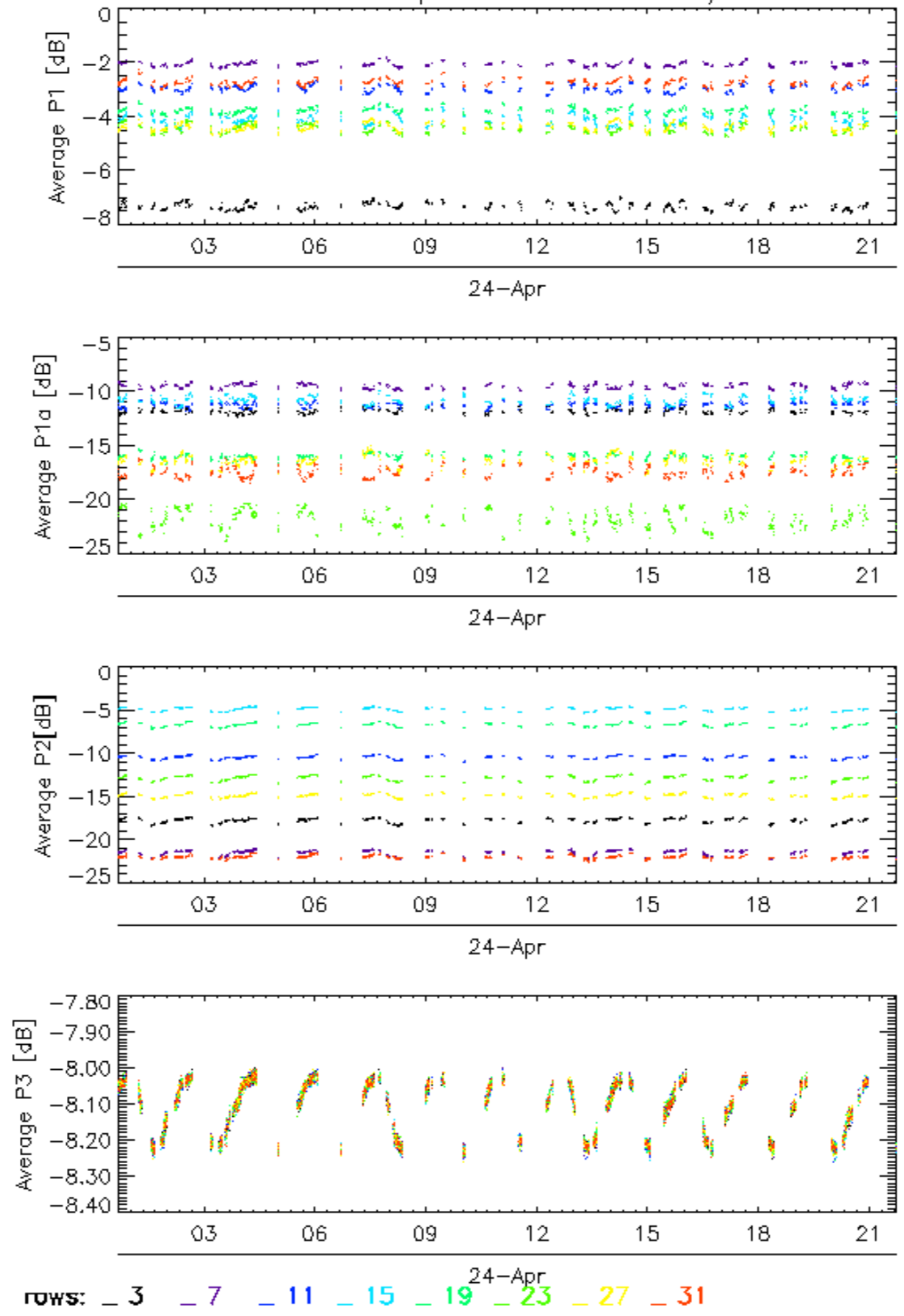
24-Apr



24-Apr

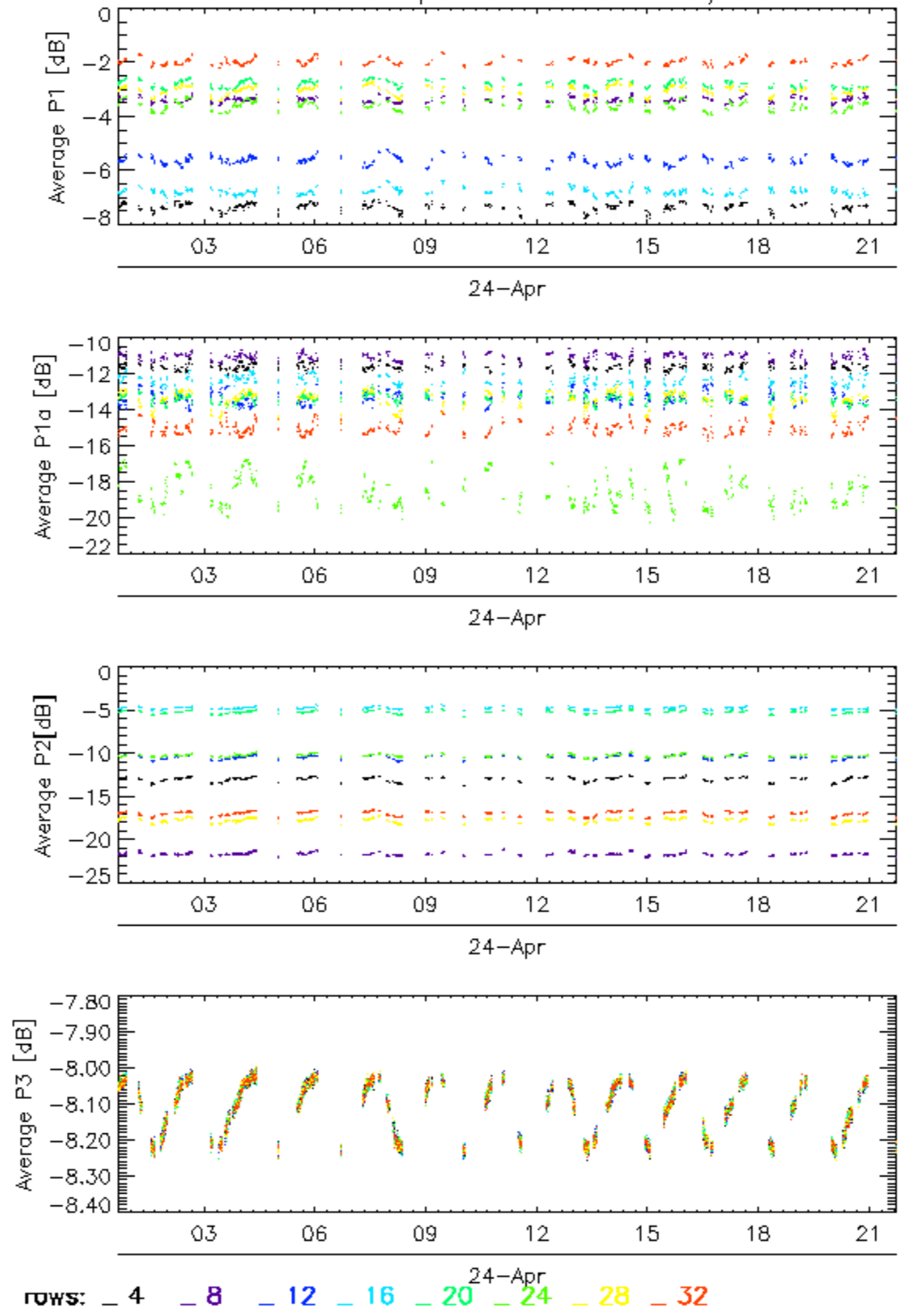
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Calibration pulses for GM1 SS3 H/H

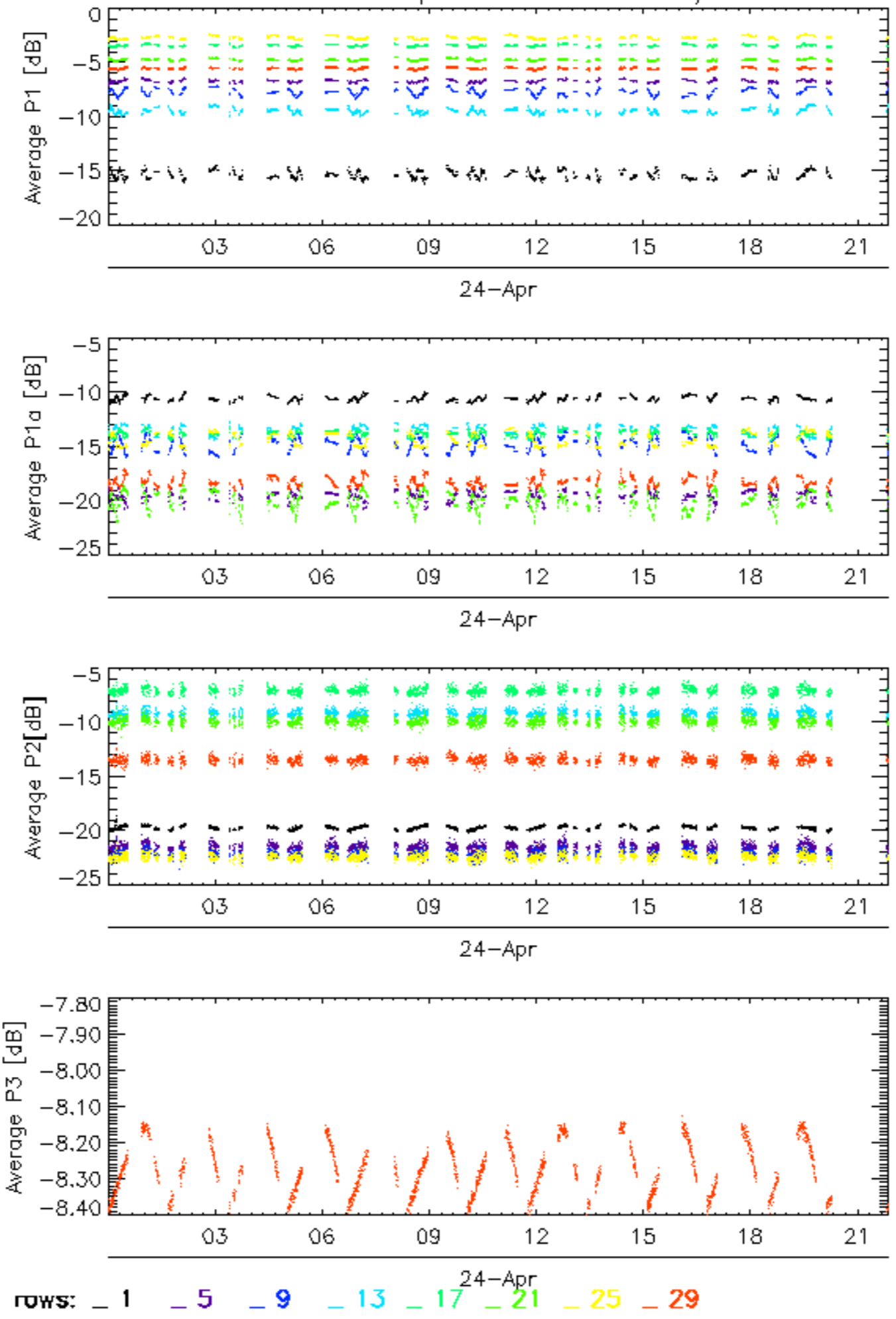




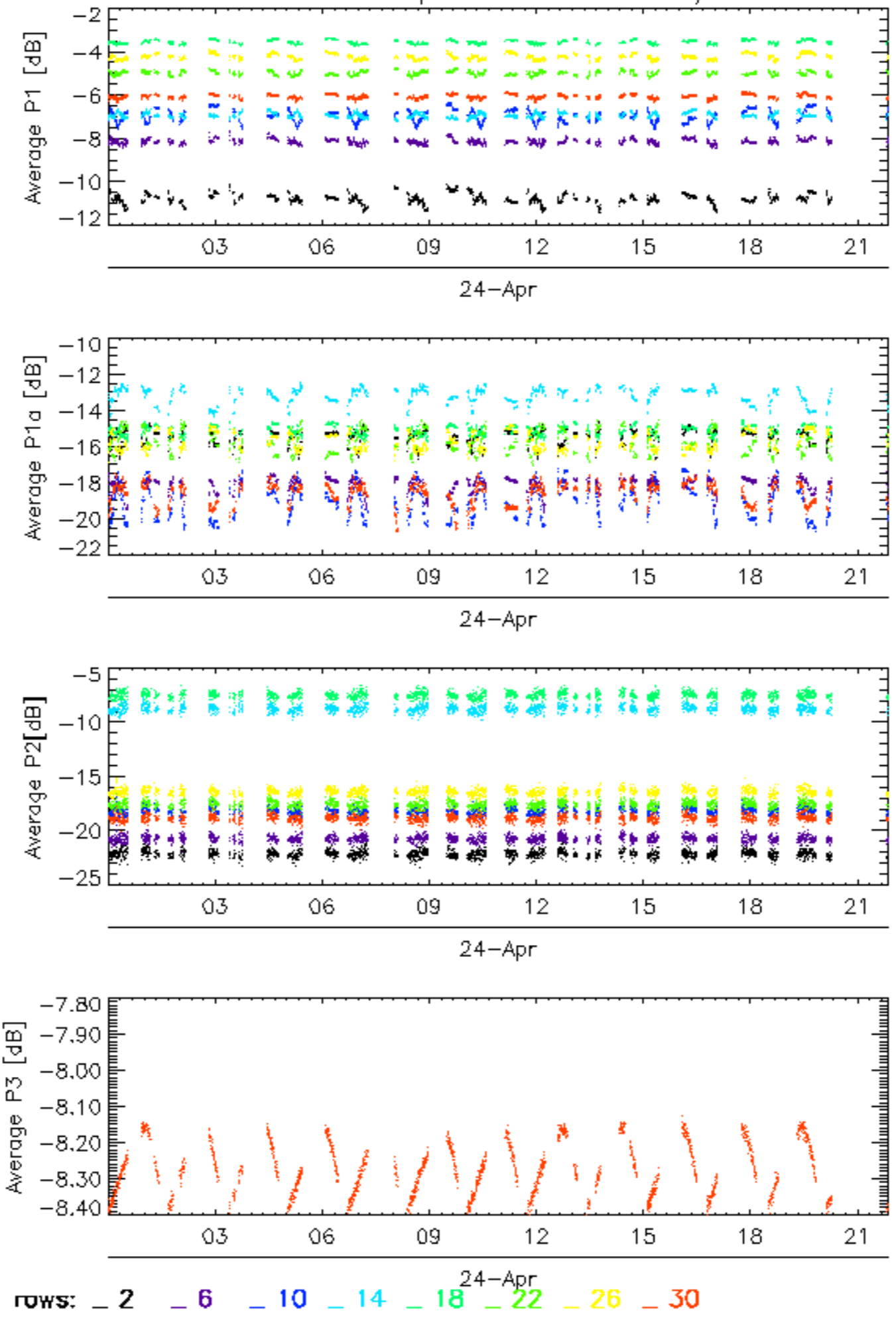
### Calibration pulses for GM1 SS3 H/H



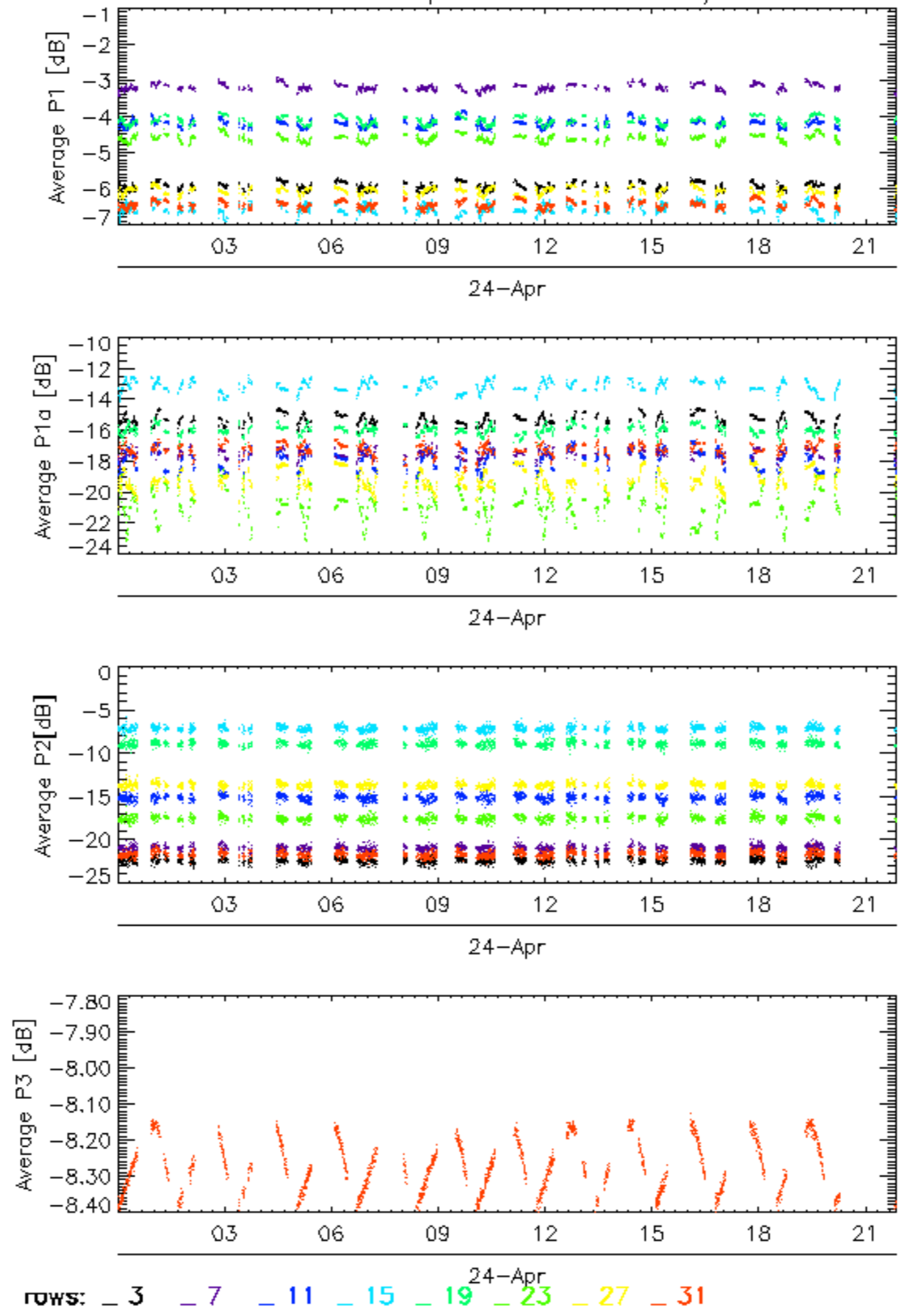
Calibration pulses for WVS IS2 V/V



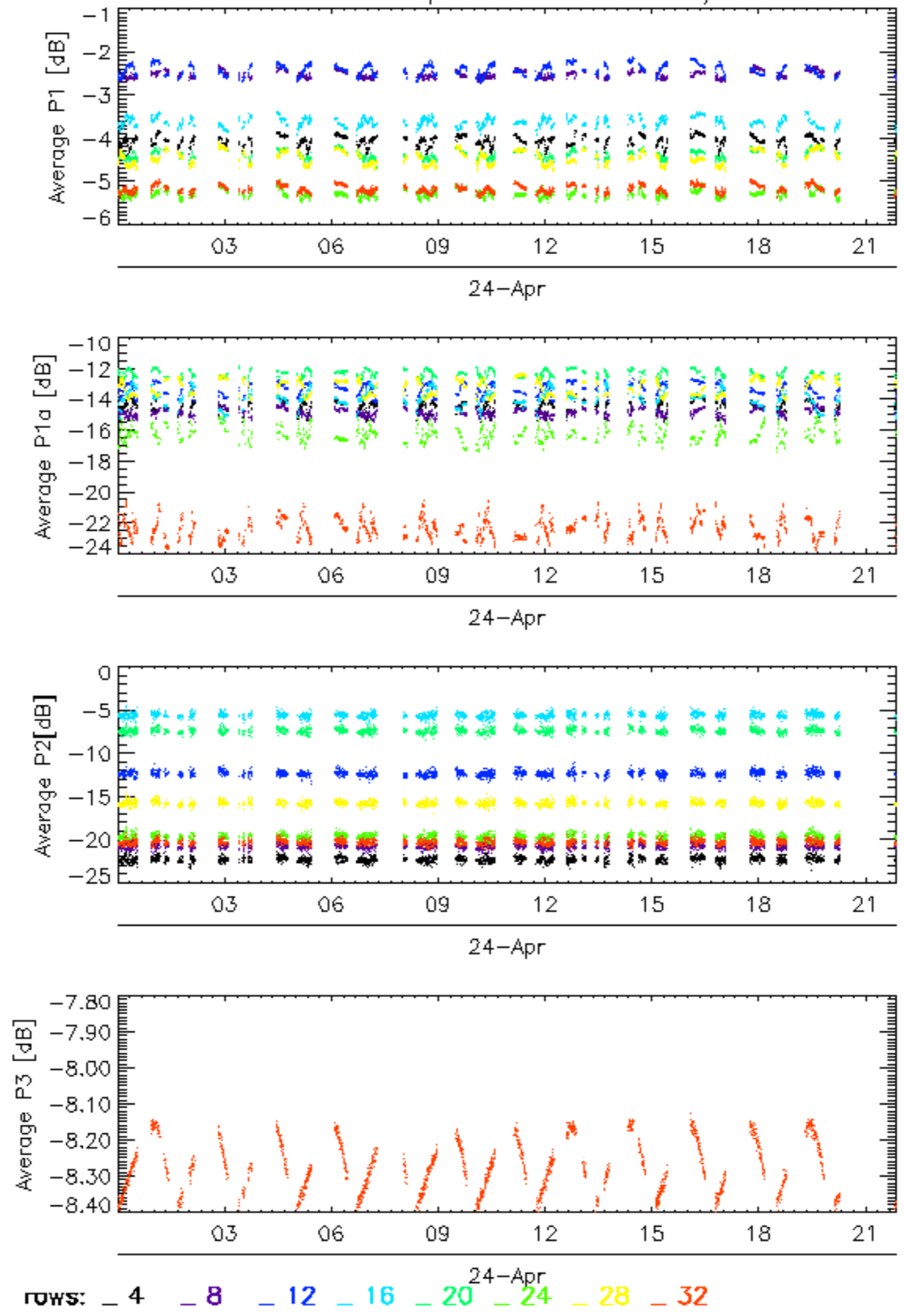
Calibration pulses for WVS IS2 V/V

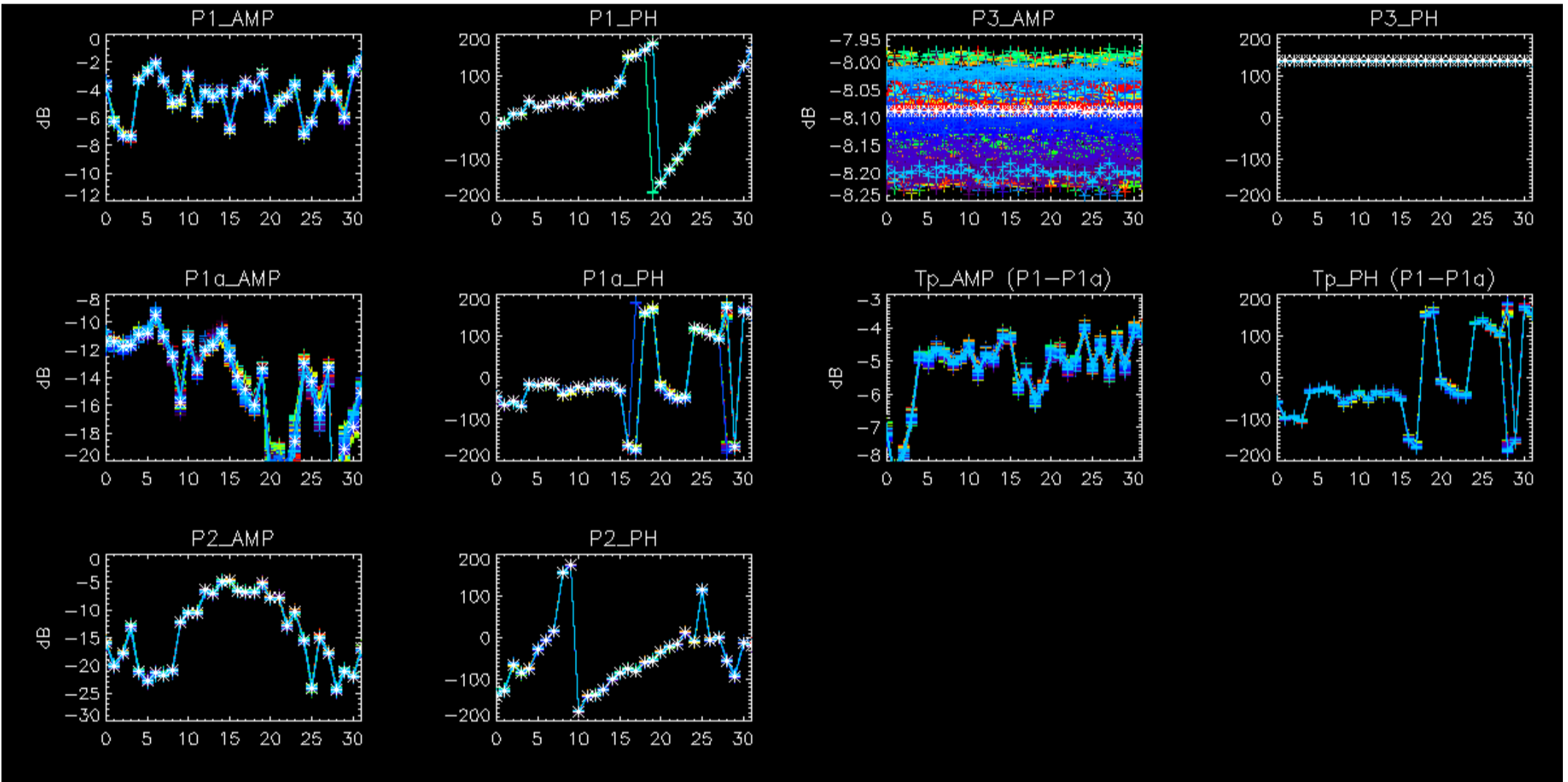


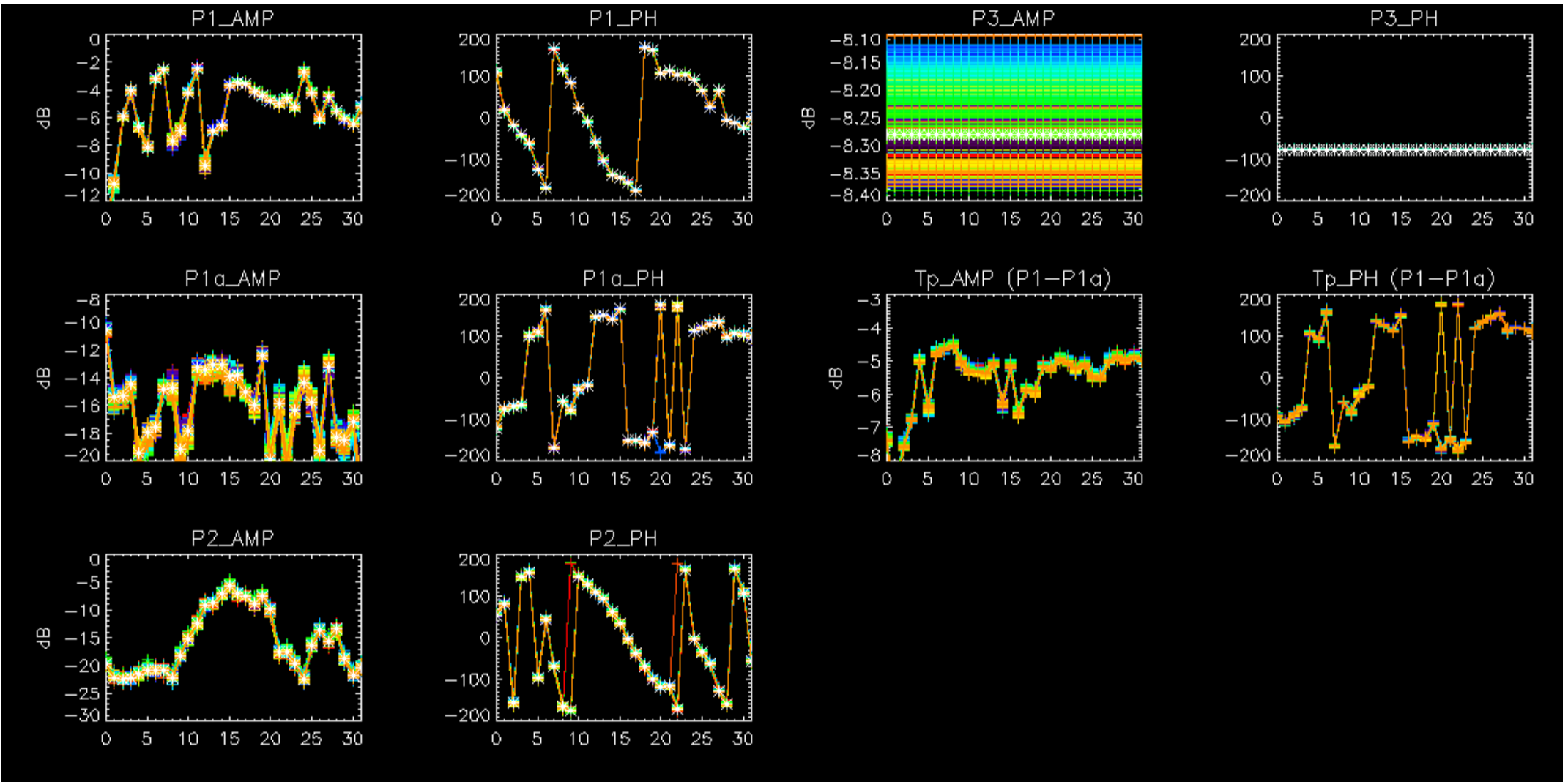
Calibration pulses for WVS IS2 V/V

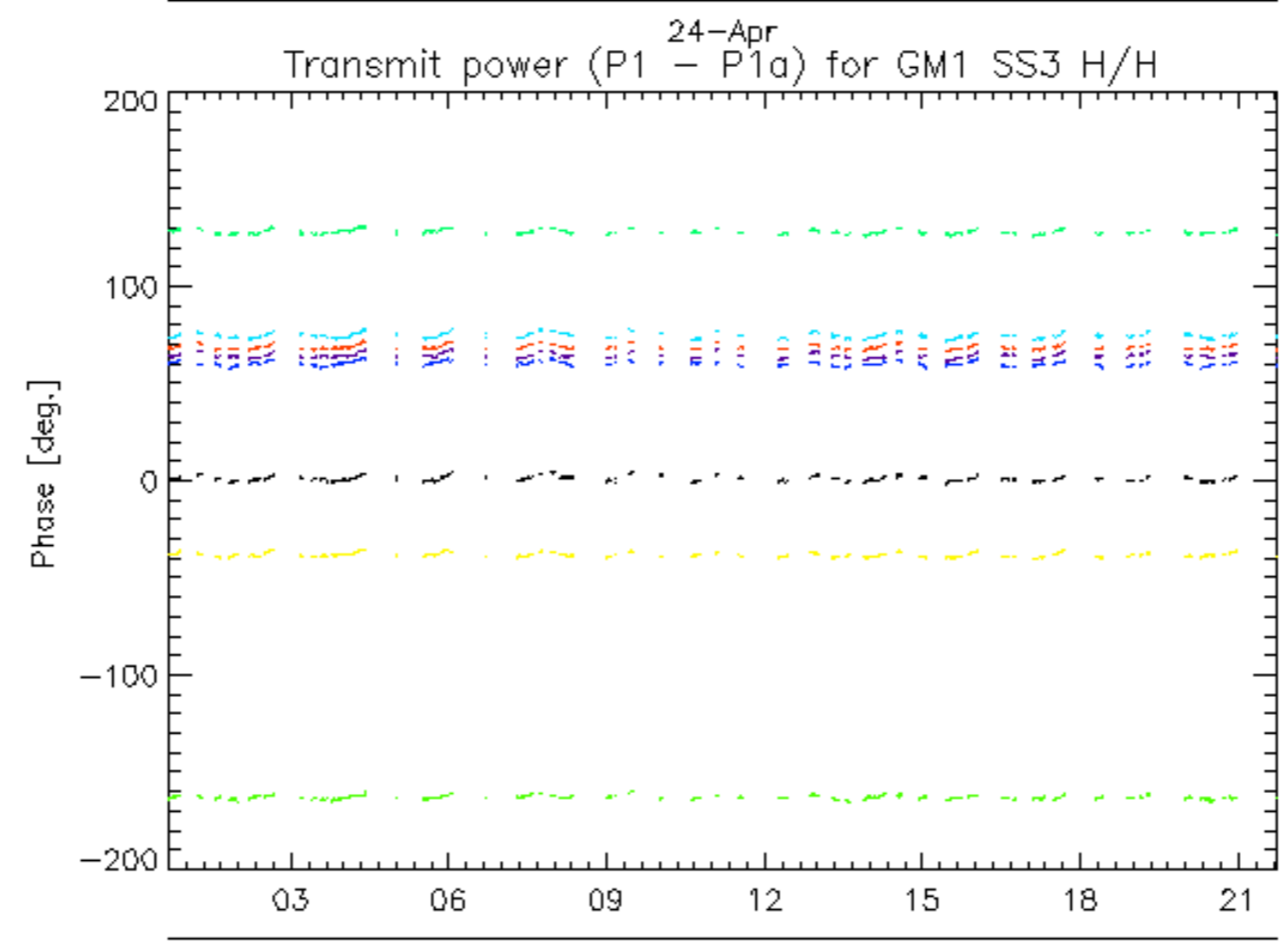
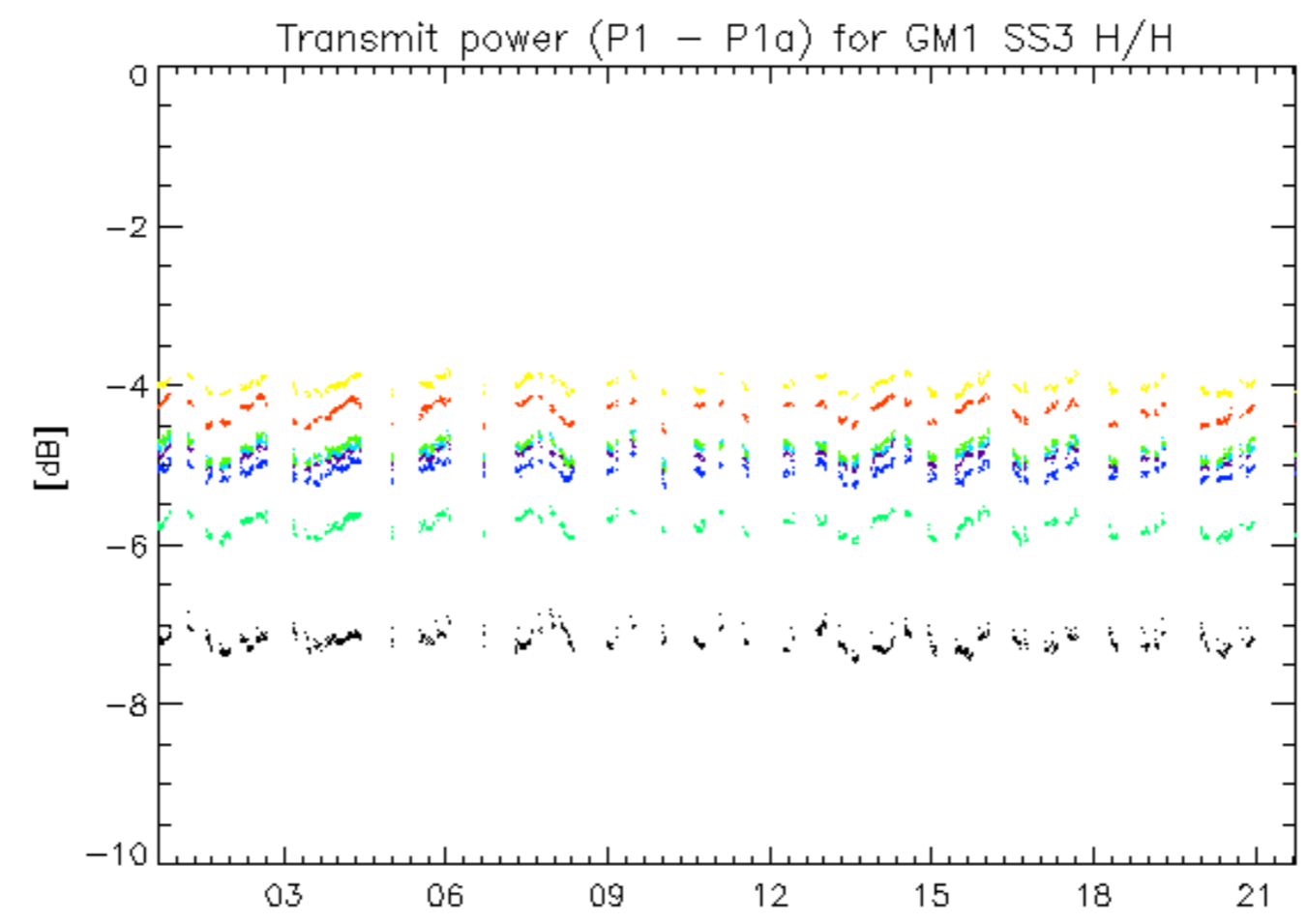


### Calibration pulses for WVS IS2 V/V



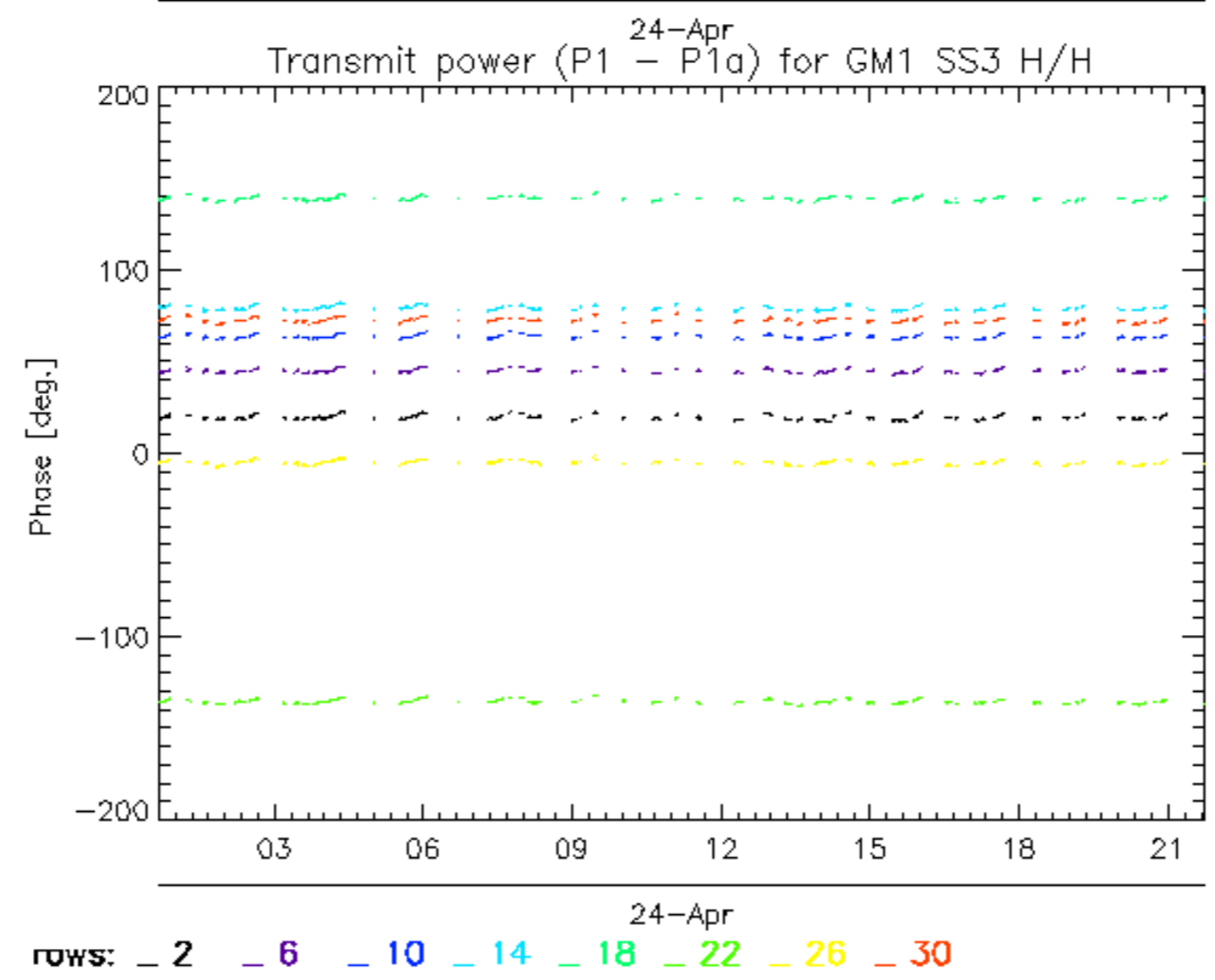
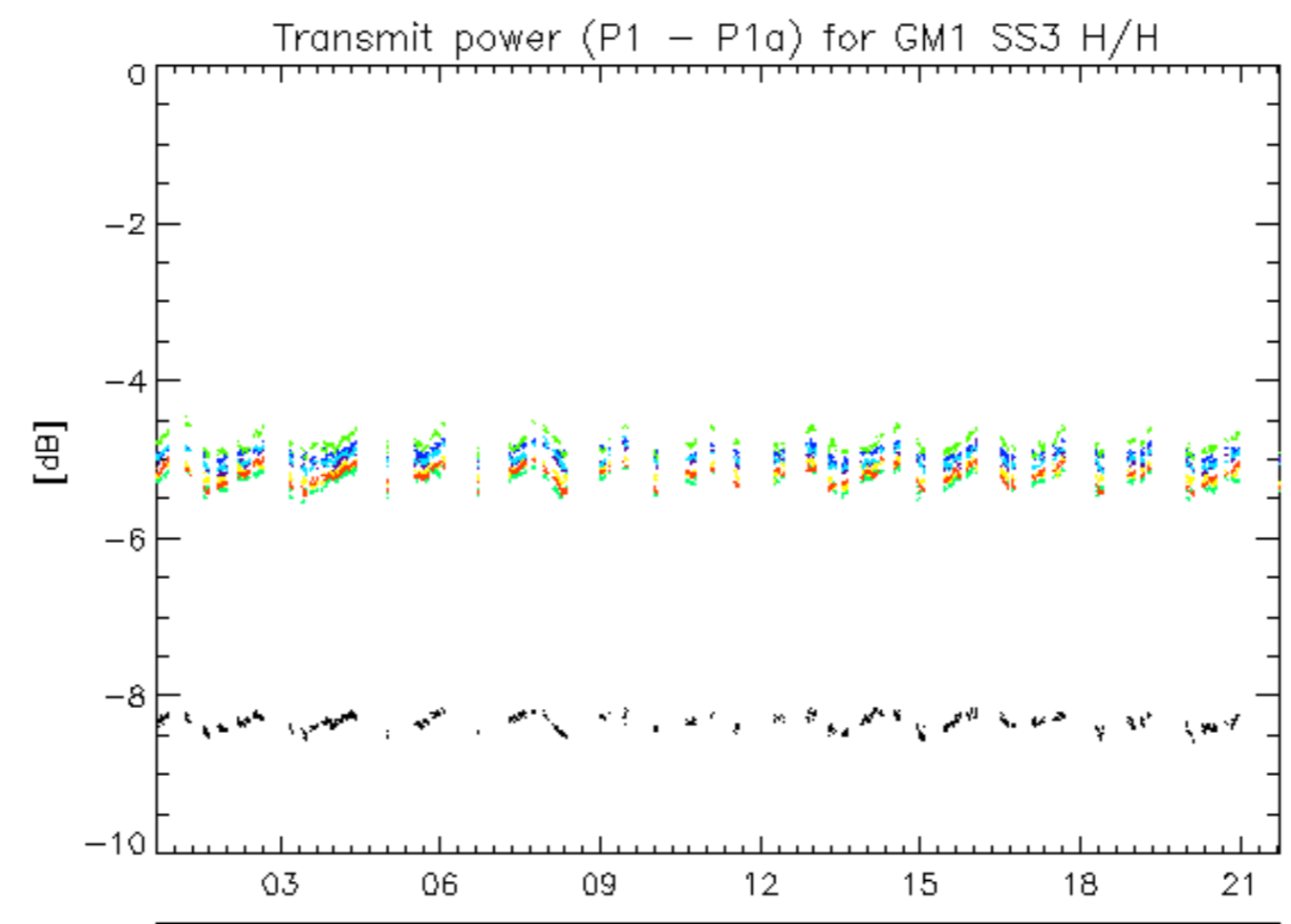


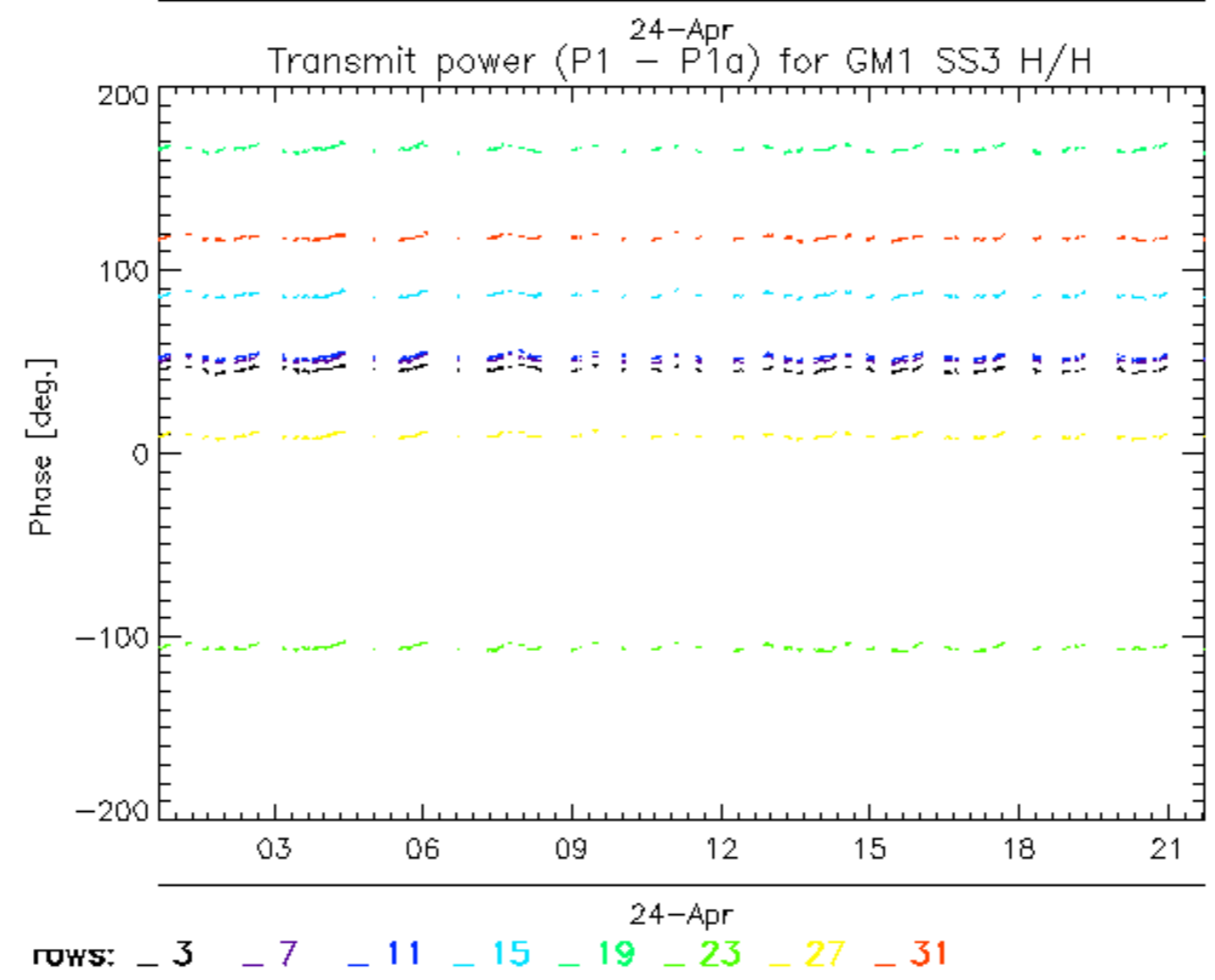
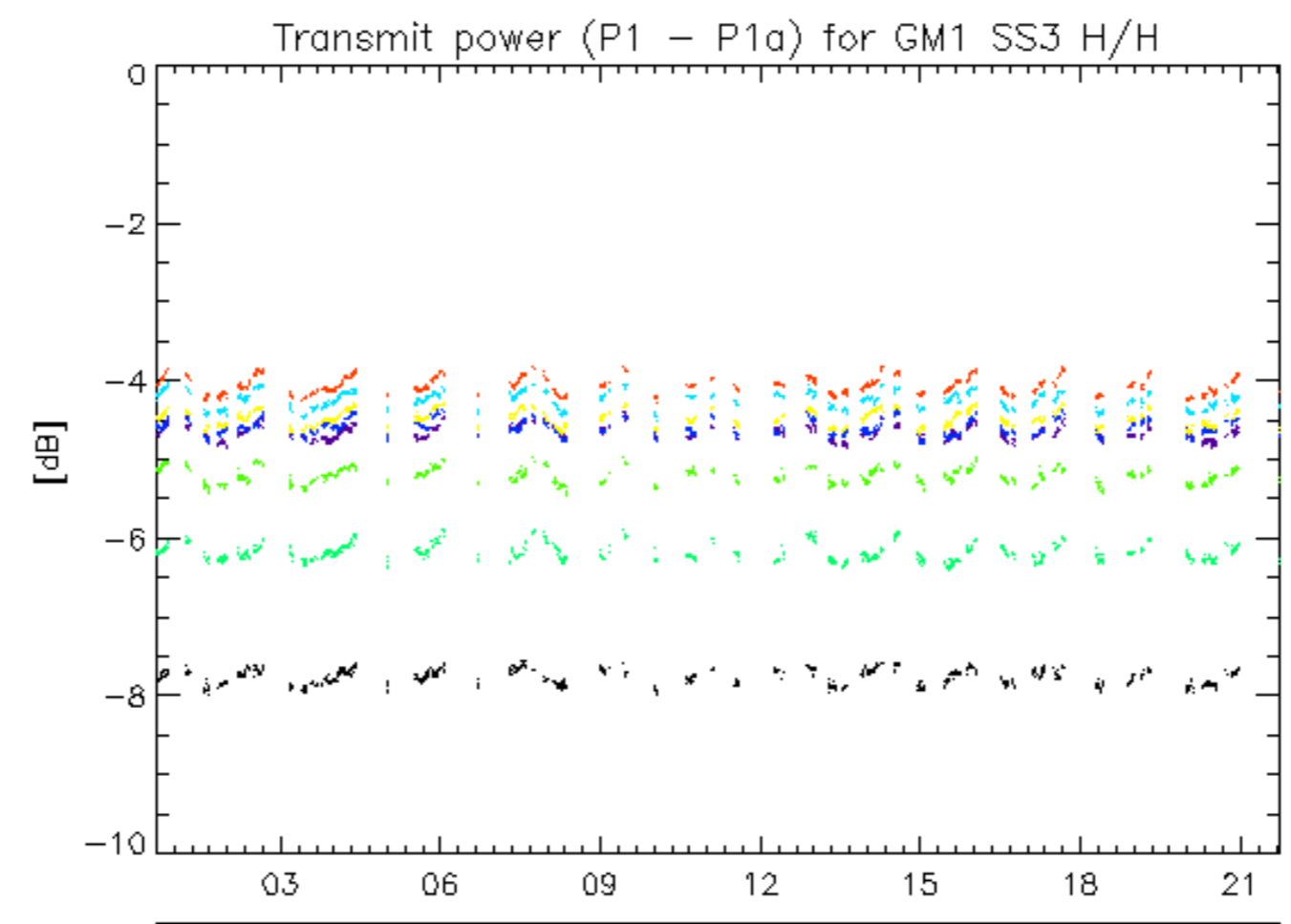


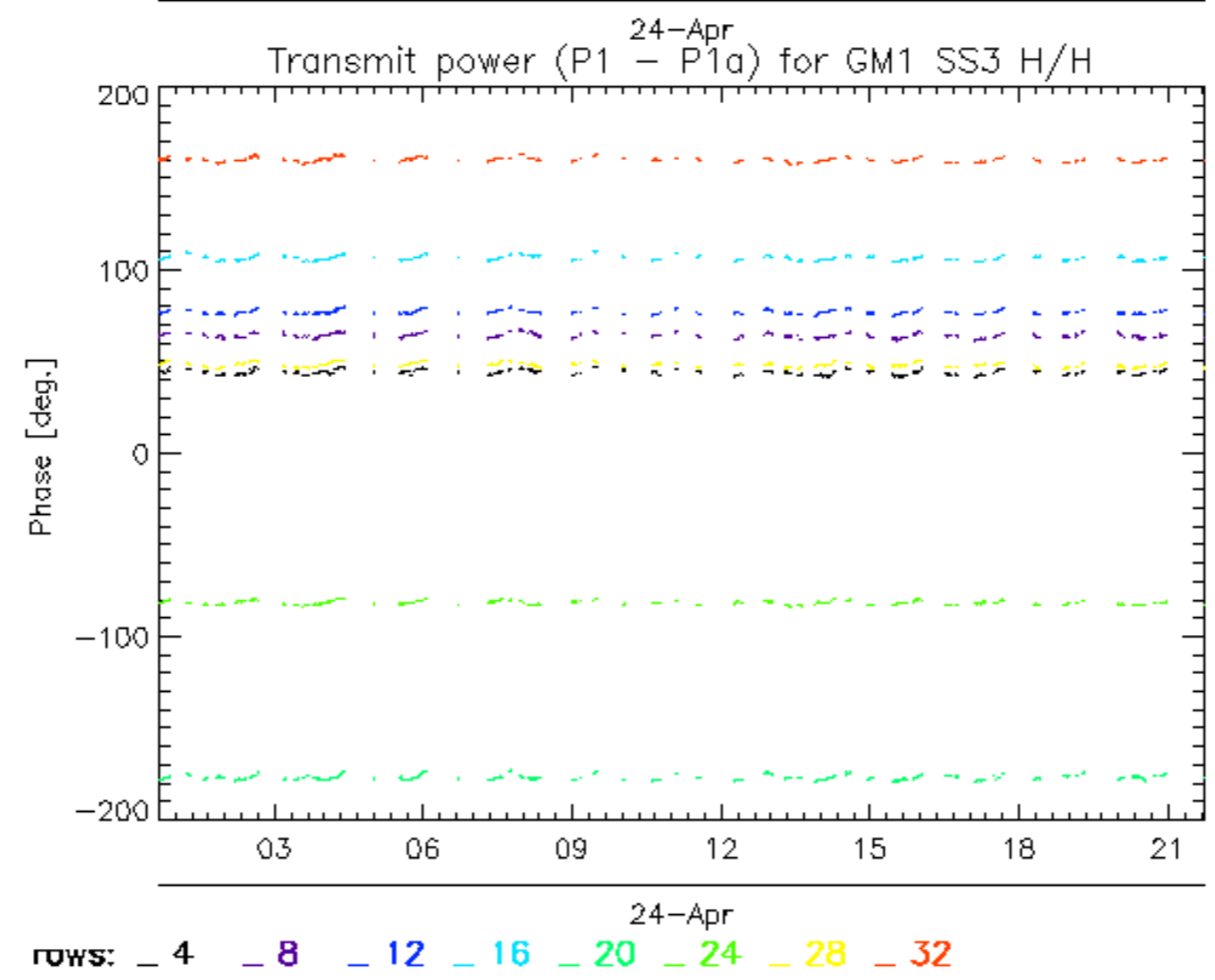
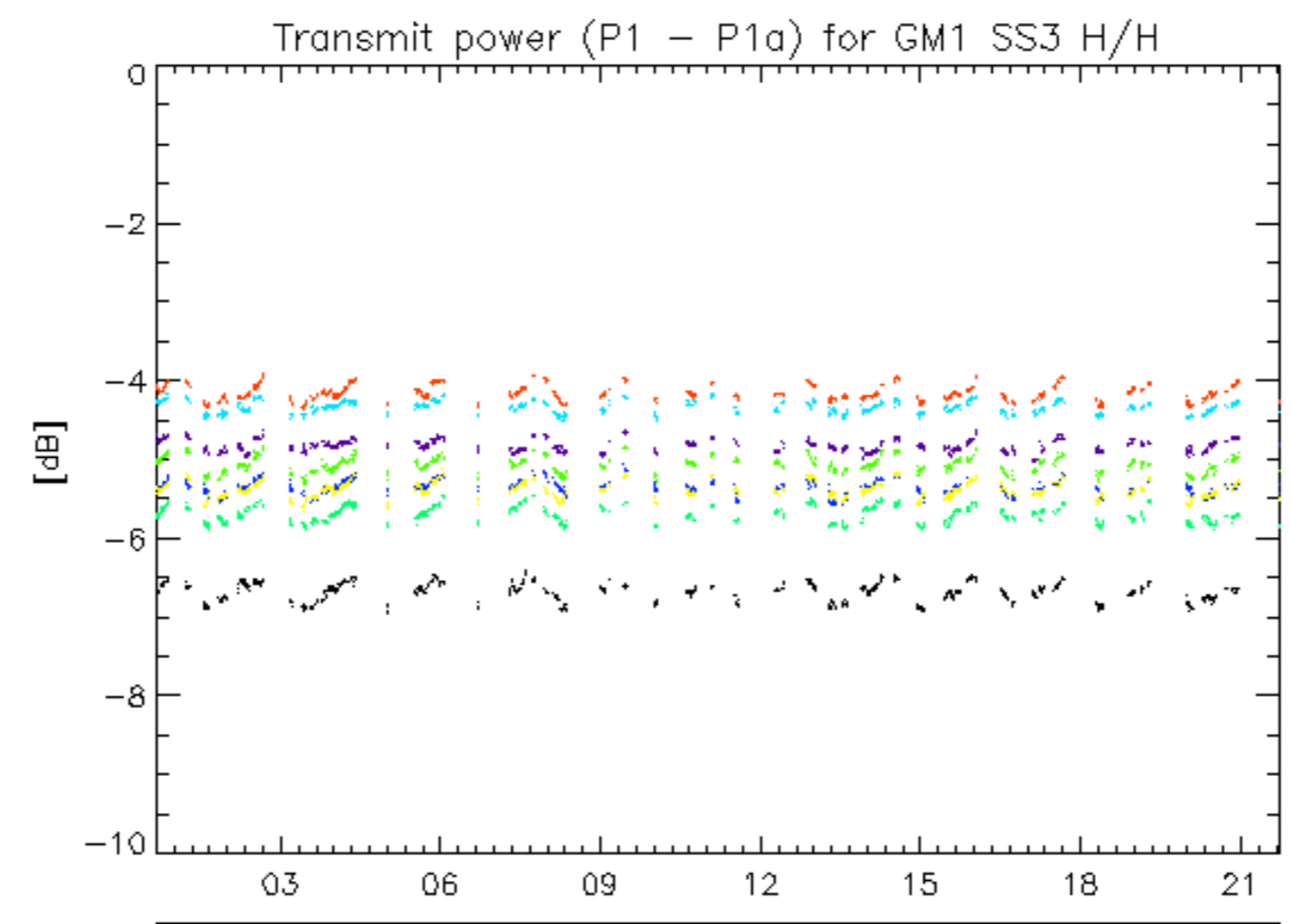


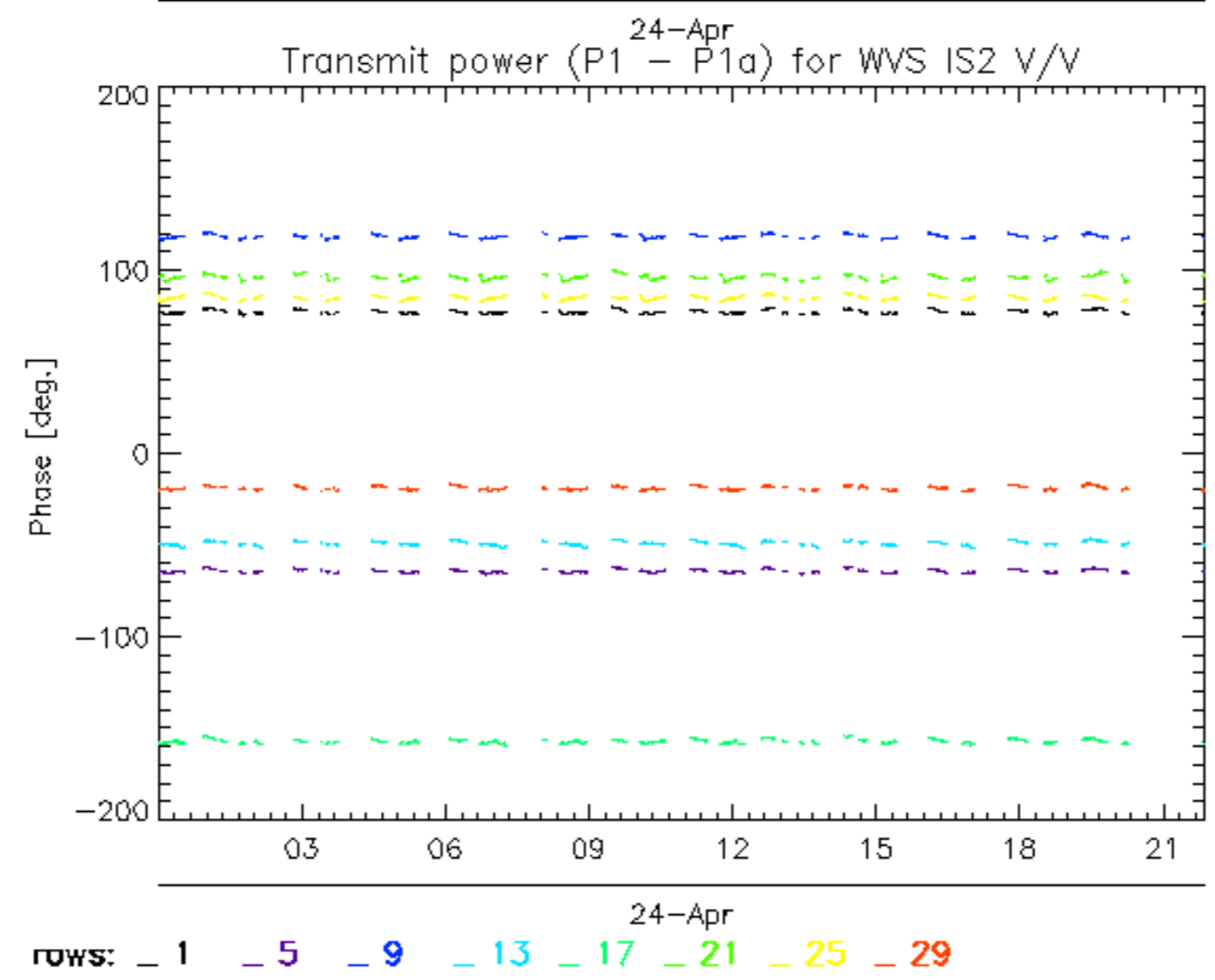
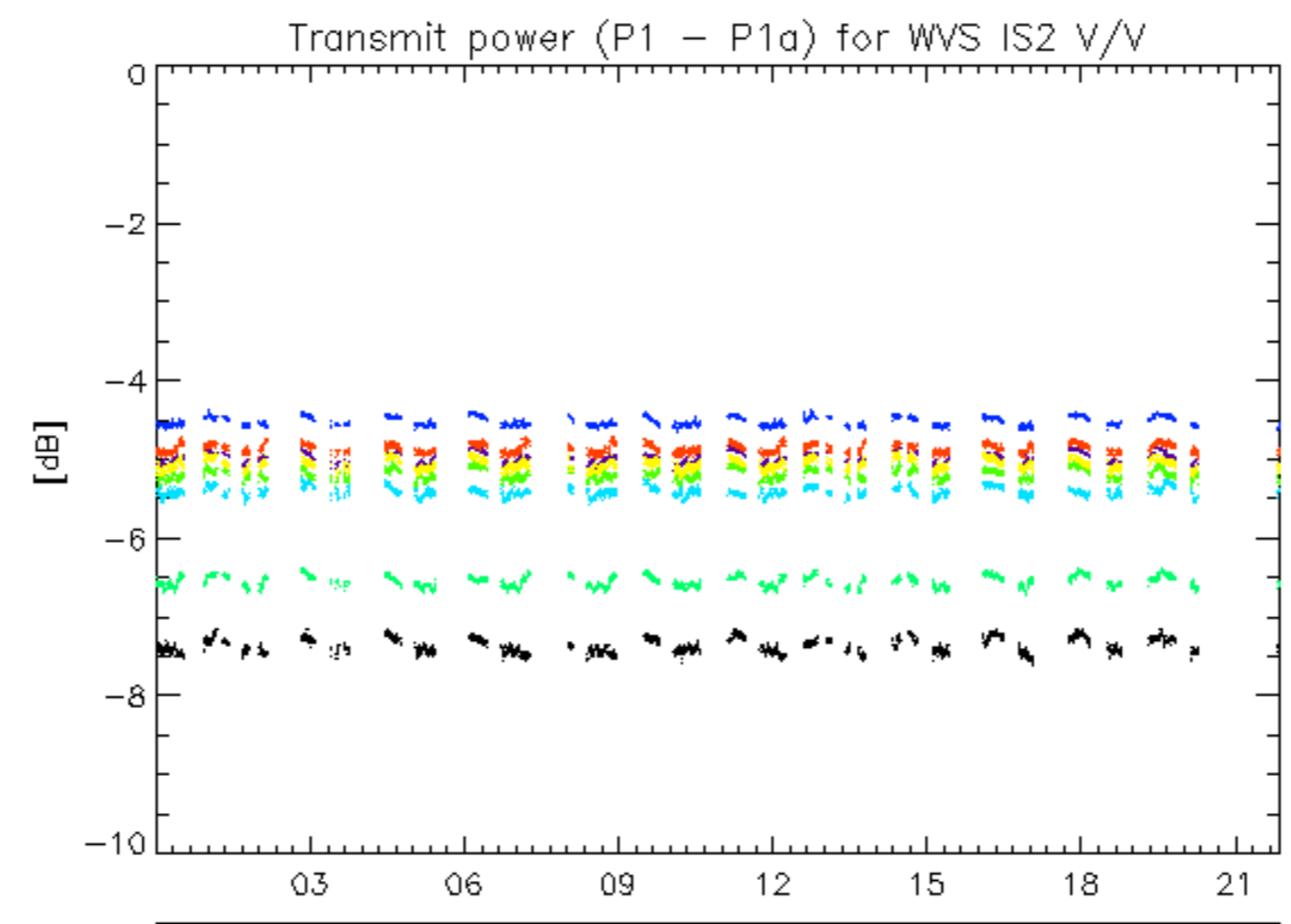
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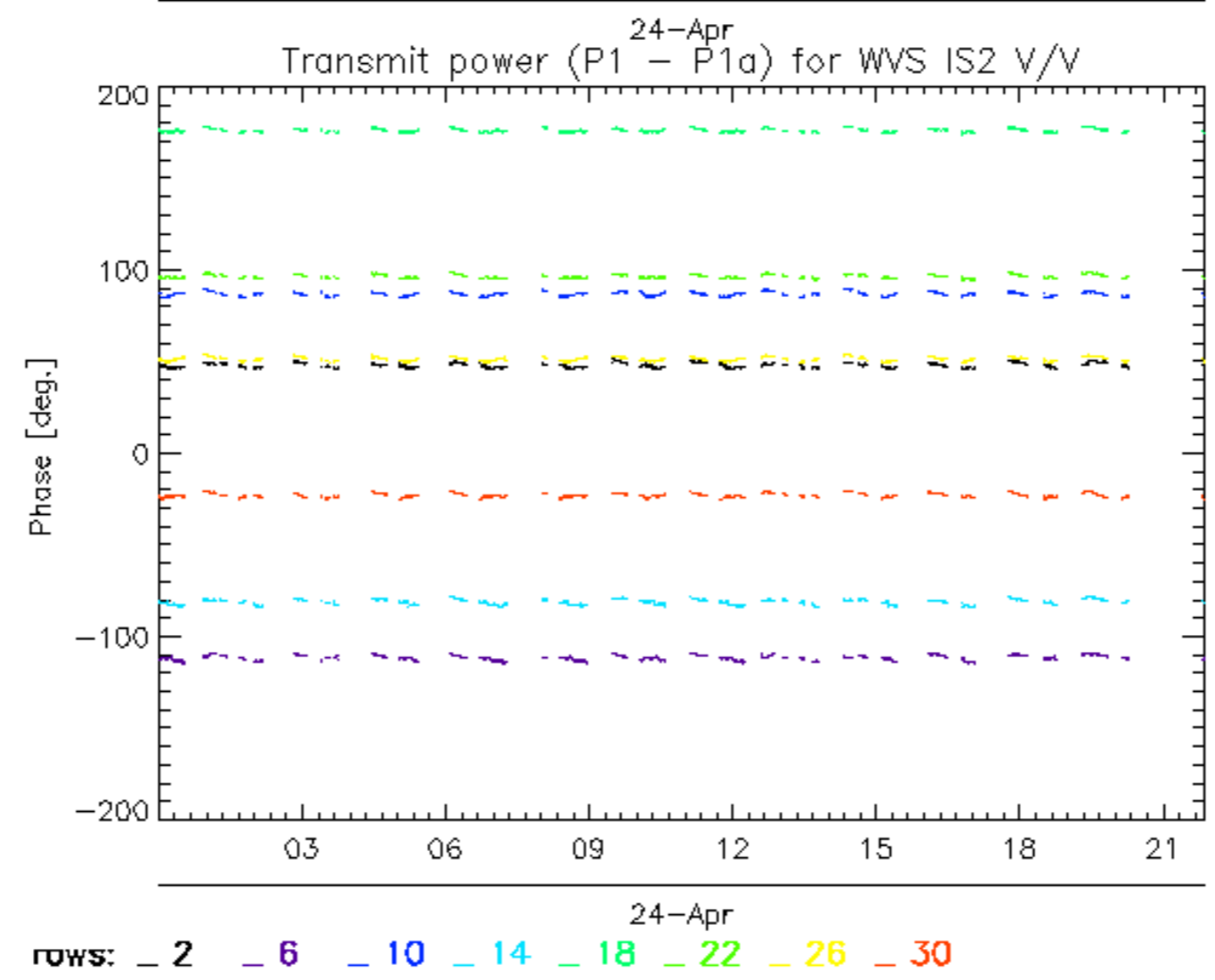
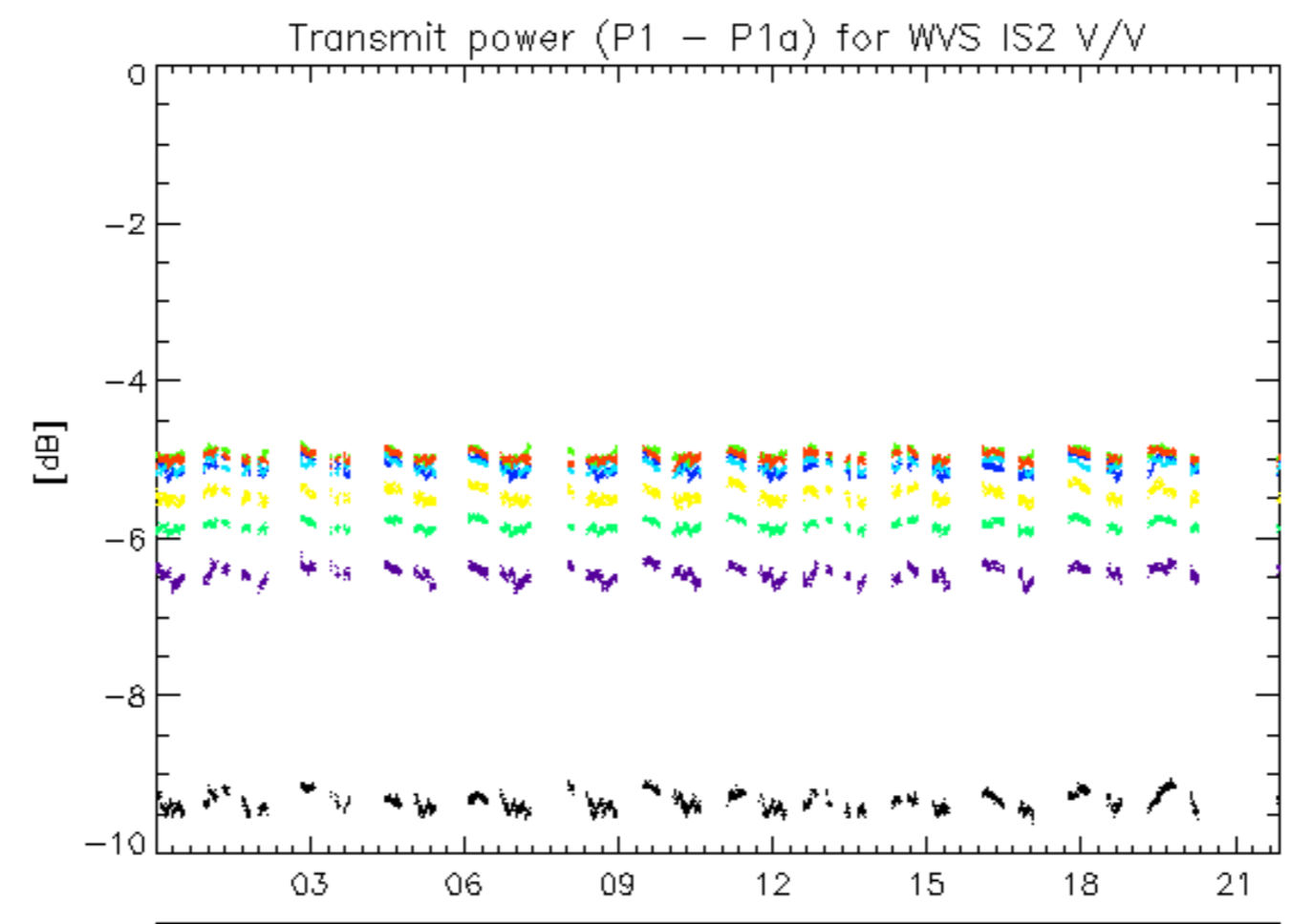


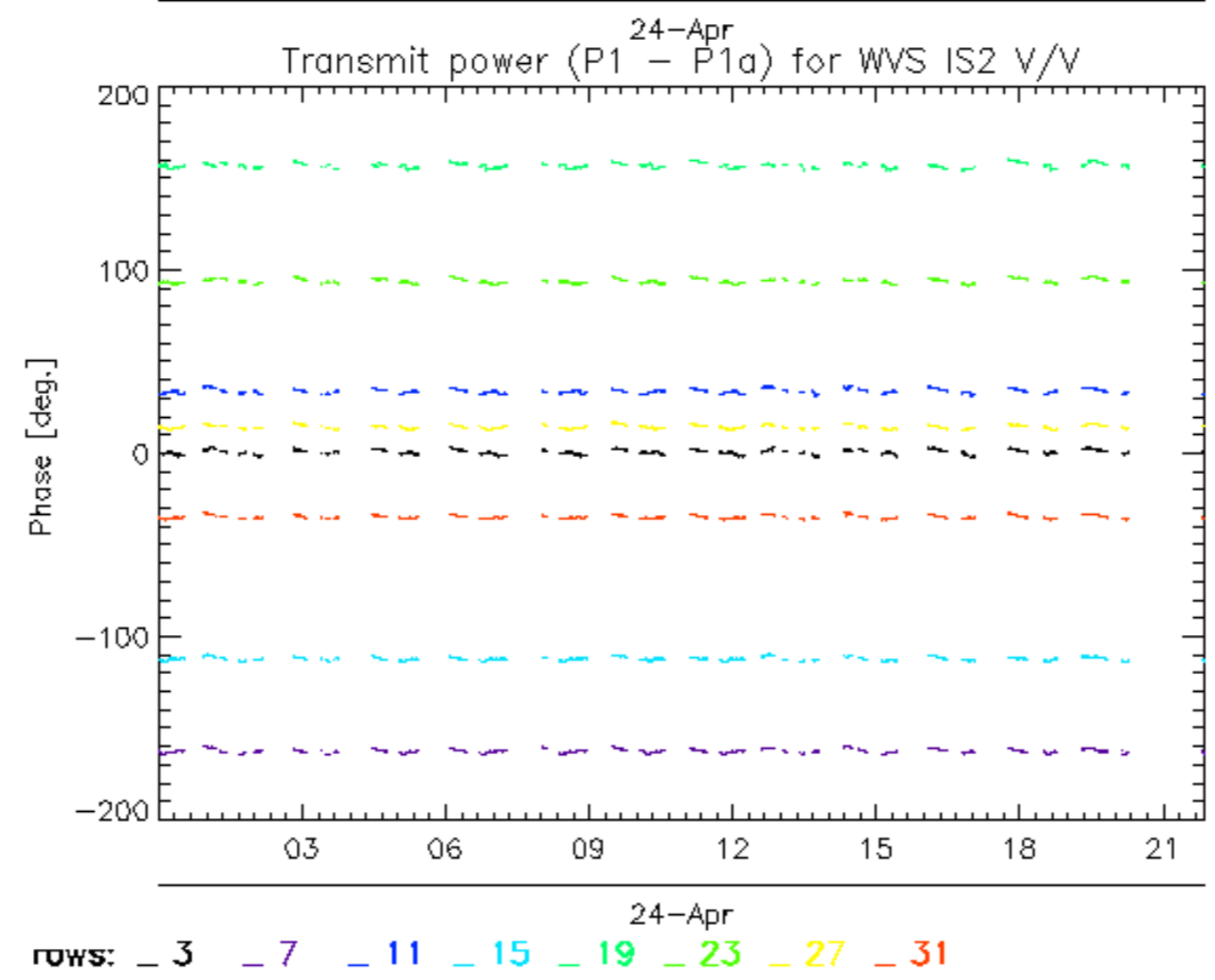
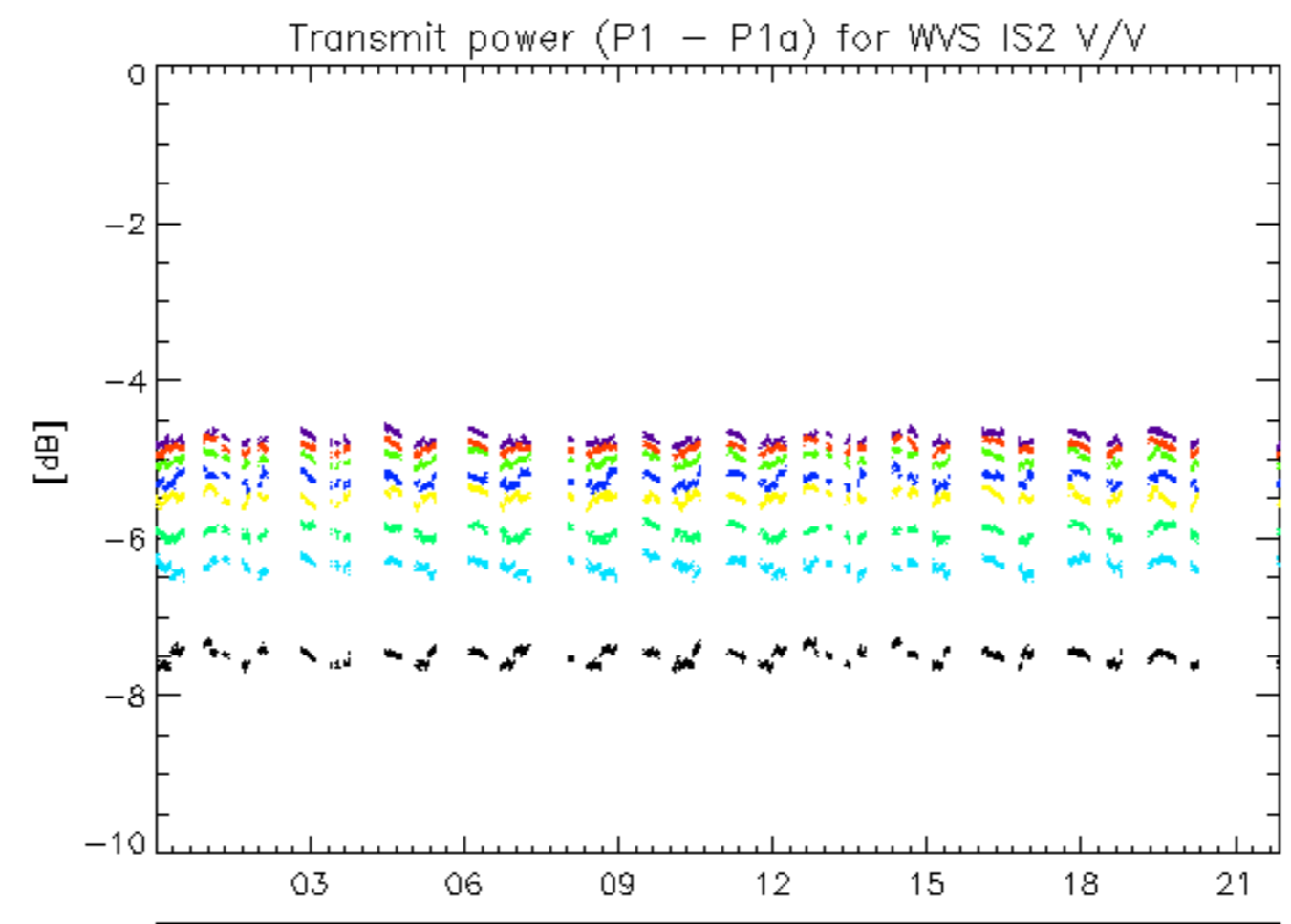


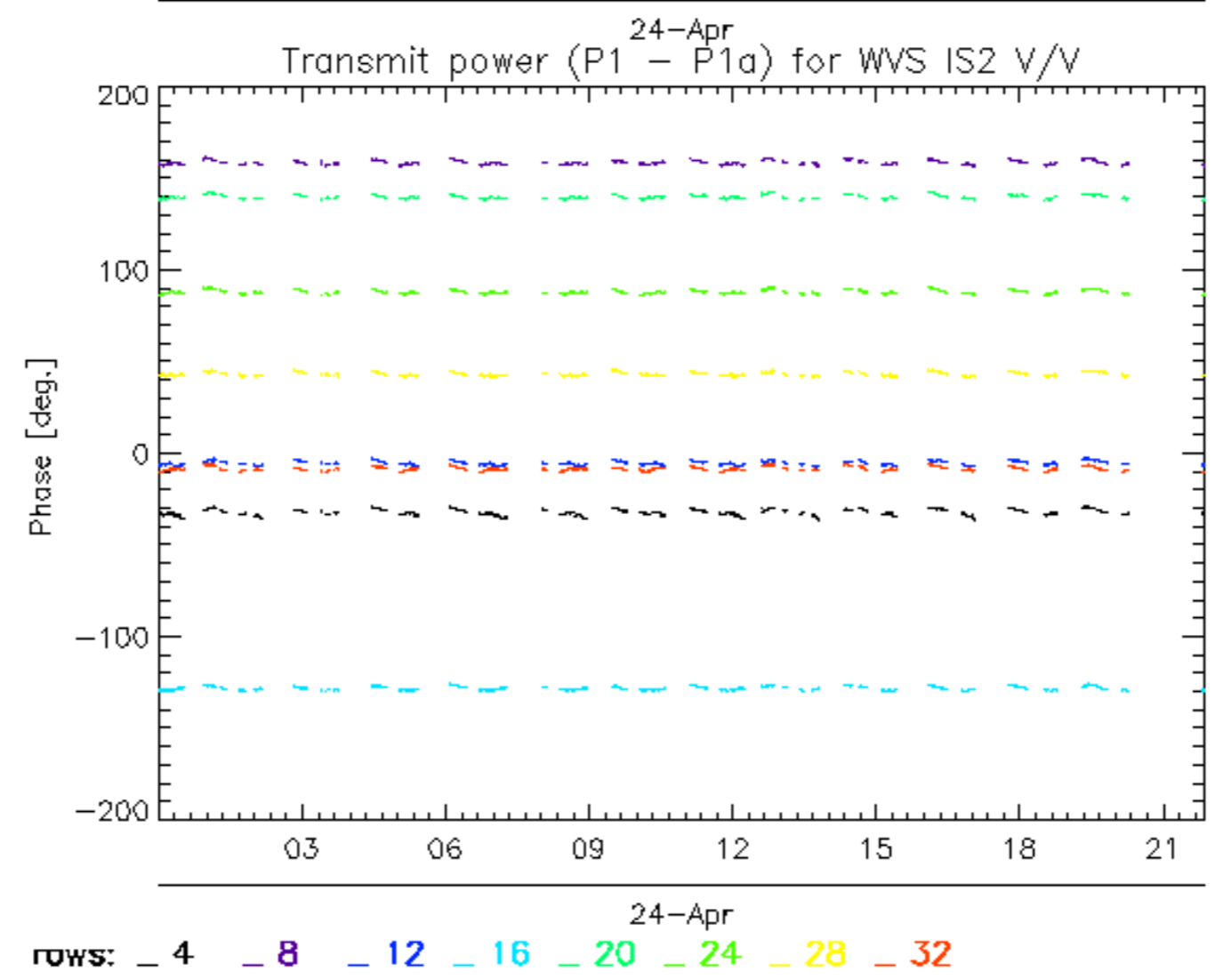
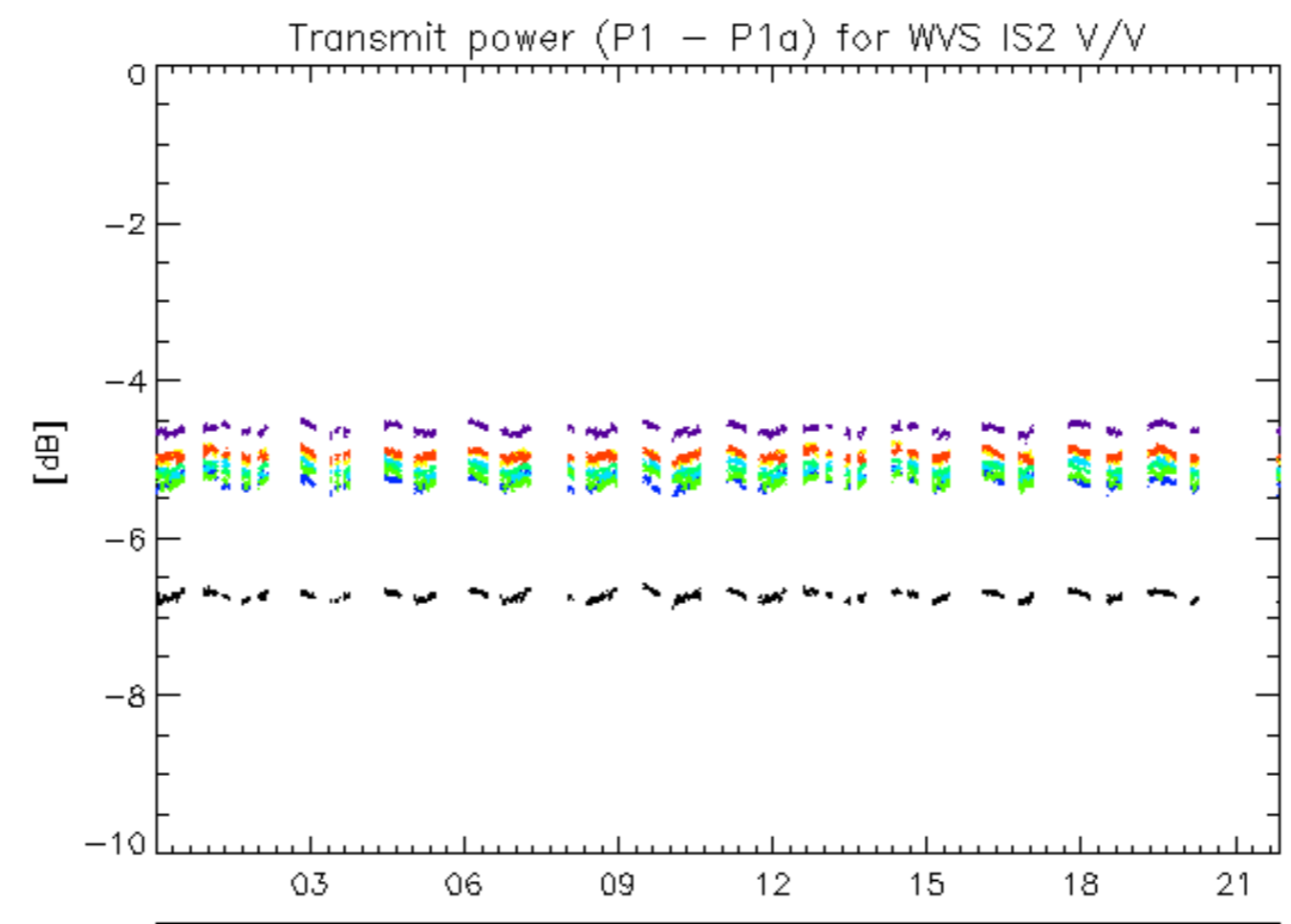


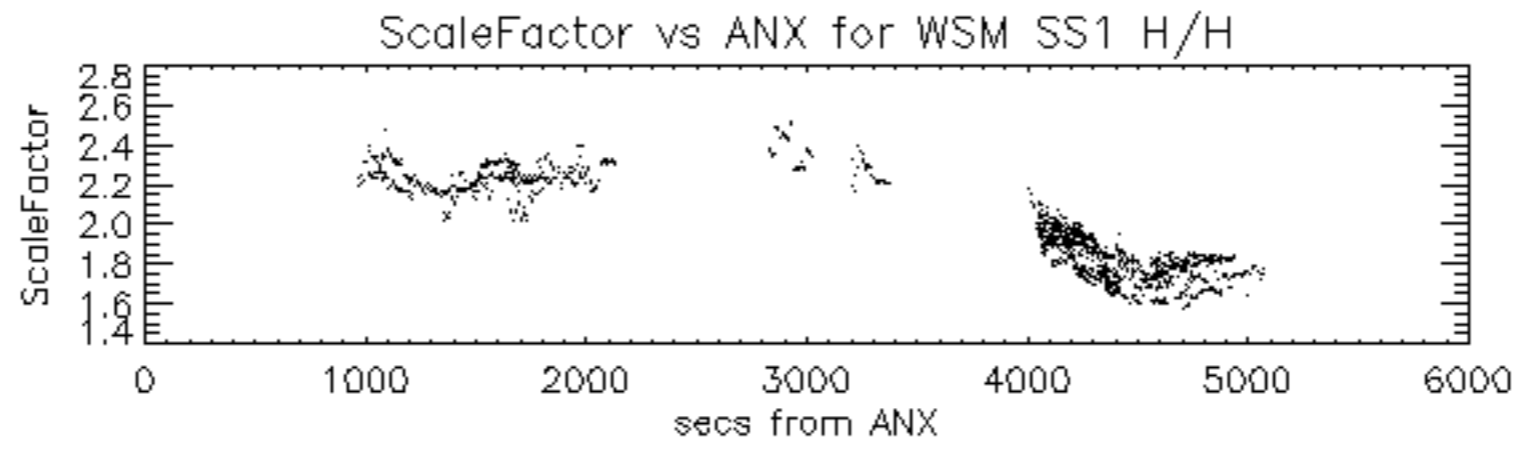




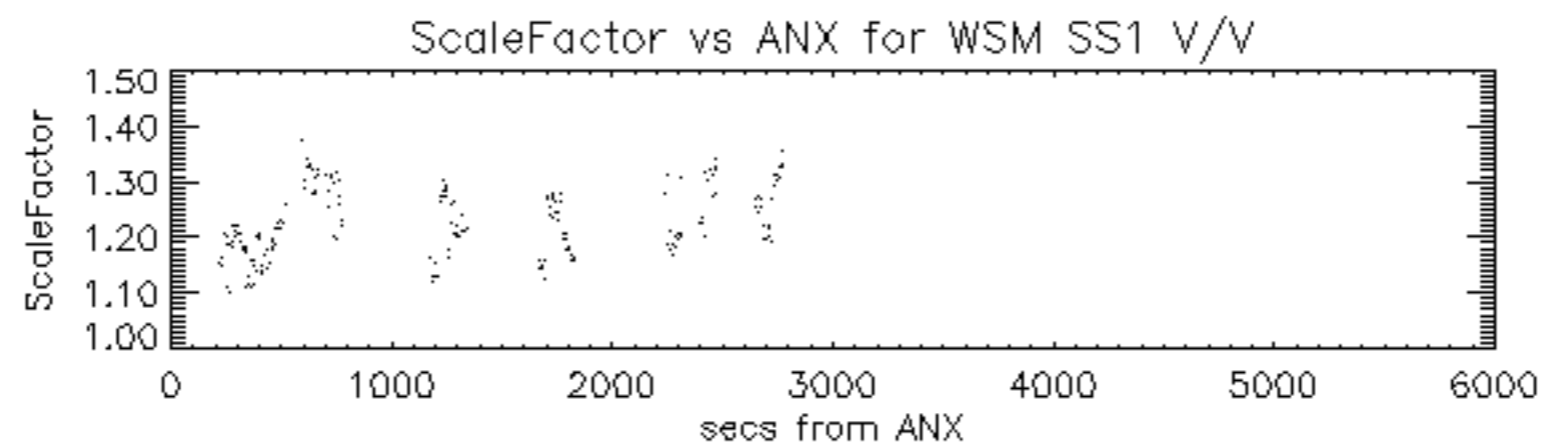


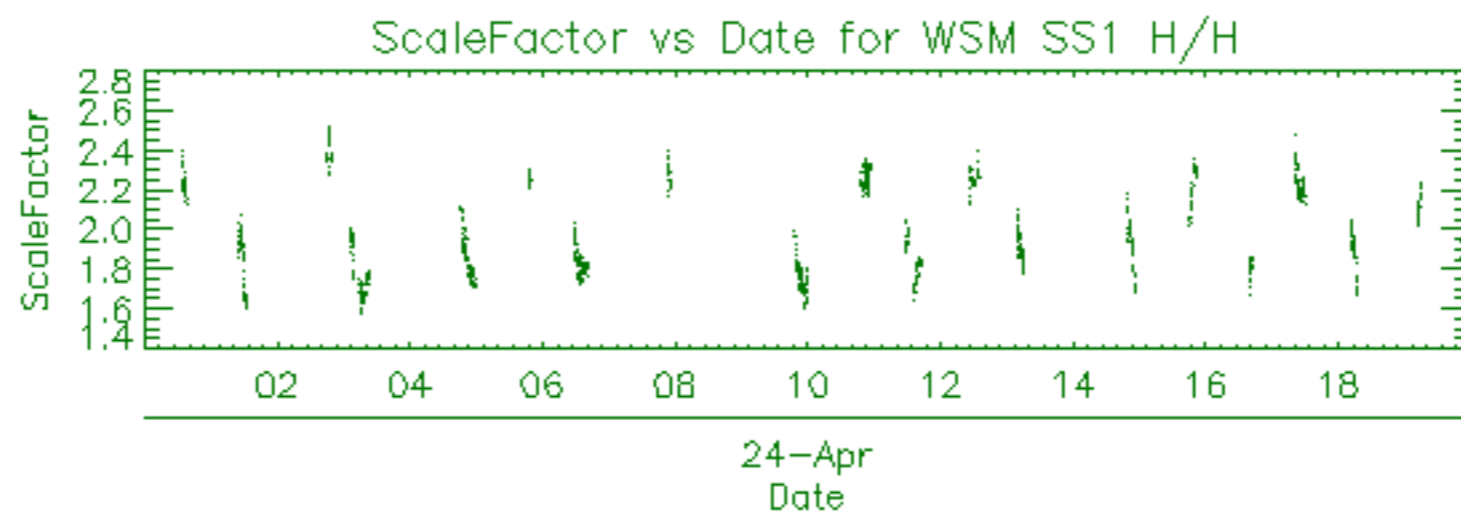


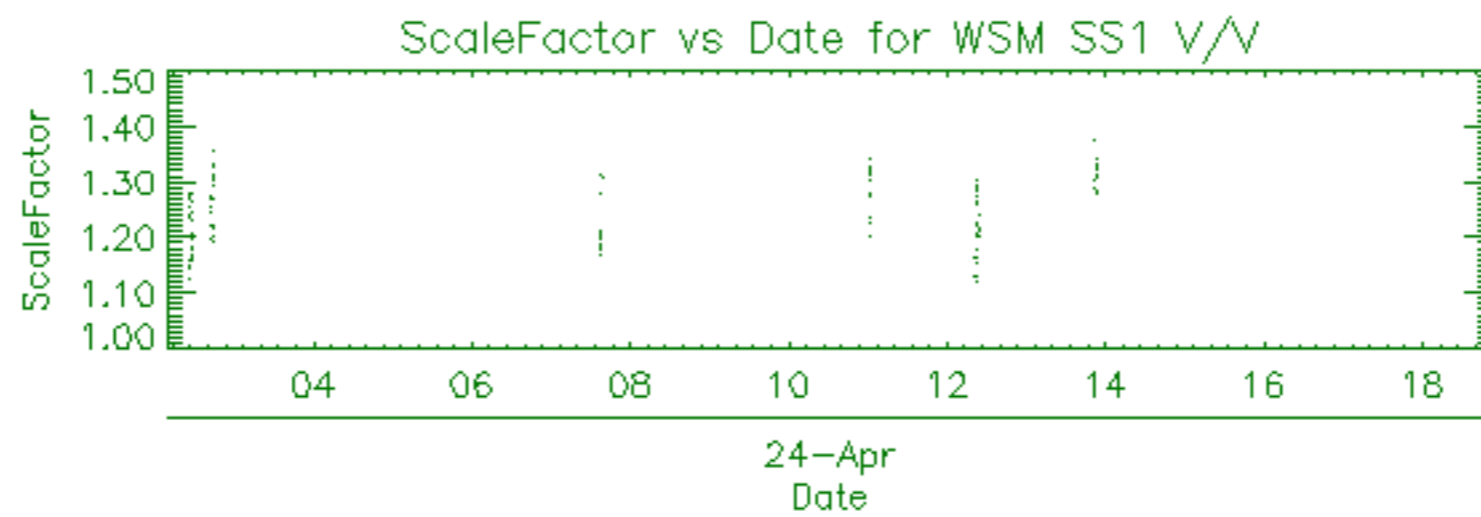












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20080424_074800_000000592068_00035_32153_5625.N1						IS4	H/V	68	32153	35	4.06
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ASA_APM_1PNPDK20080424_190607_000000422068_00042_32160_6202.N1						IS2	V/H	68	32160	42	4.06
ASA_APM_1PNPDK20080424_203830_000000422068_00043_32161_6244.N1						IS2	V/H	68	32161	43	4.06



Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_IMM_1PNPDE20080424_034818_000000502068_00033_32151_5373.N1						IS2	V/V	68	32151	33	4.06
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ASA_IMM_1PNPDE20080424_052752_000002022068_00034_32152_5547.N1						IS2	V/V	68	32152	34	4.06
ASA_IMM_1PNPDE20080424_055940_000001402068_00034_32152_5426.N1						IS2	V/V	68	32152	34	4.06
ASA_IMM_1PNPDK20080424_071916_000000352068_00035_32153_5220.N1						IS6	H/H	68	32153	35	4.06
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ASA_IMM_1PNPDE20080424_174146_000001542068_00041_32159_5830.N1						IS2	V/V	68	32159	41	4.06
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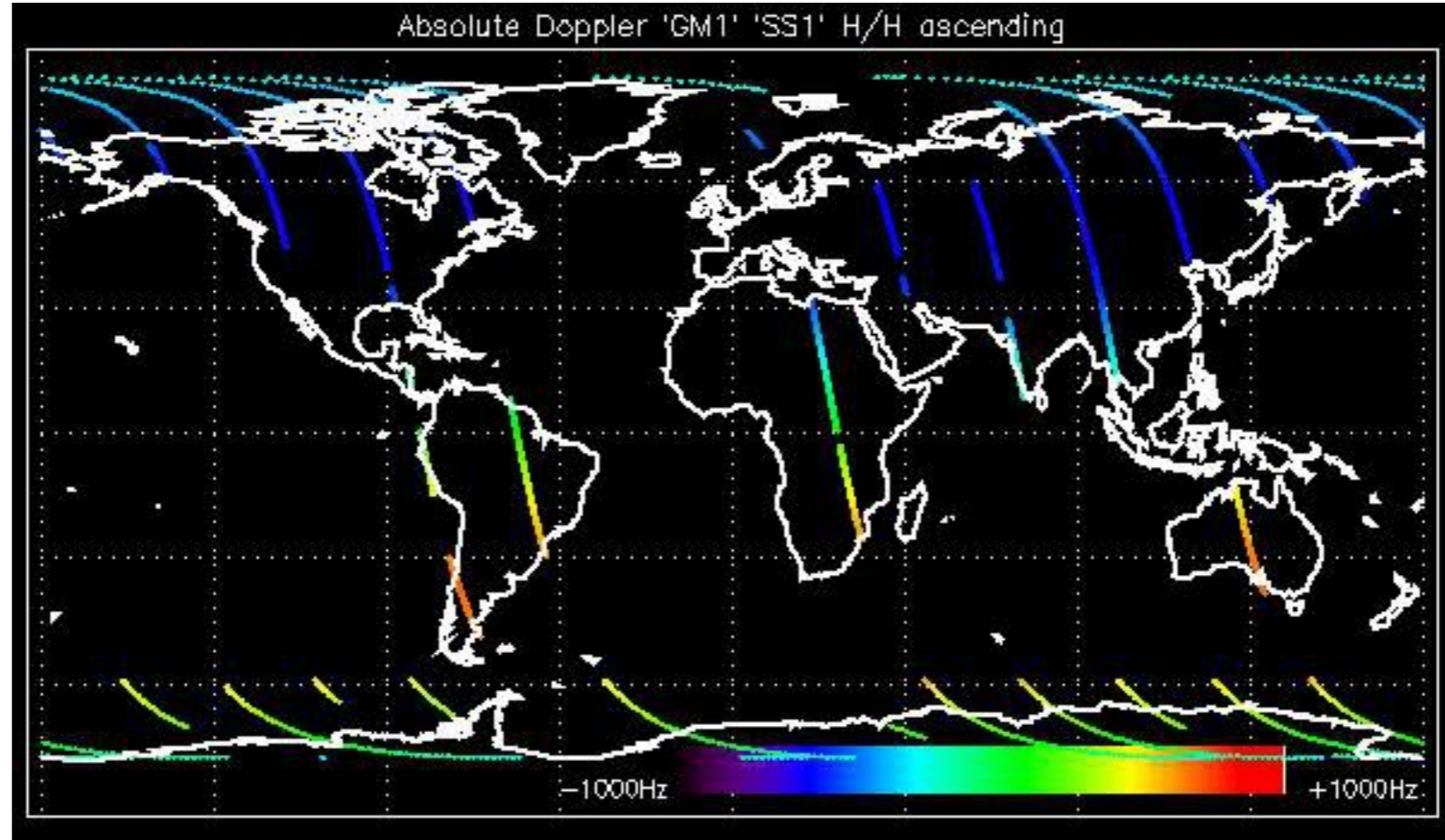
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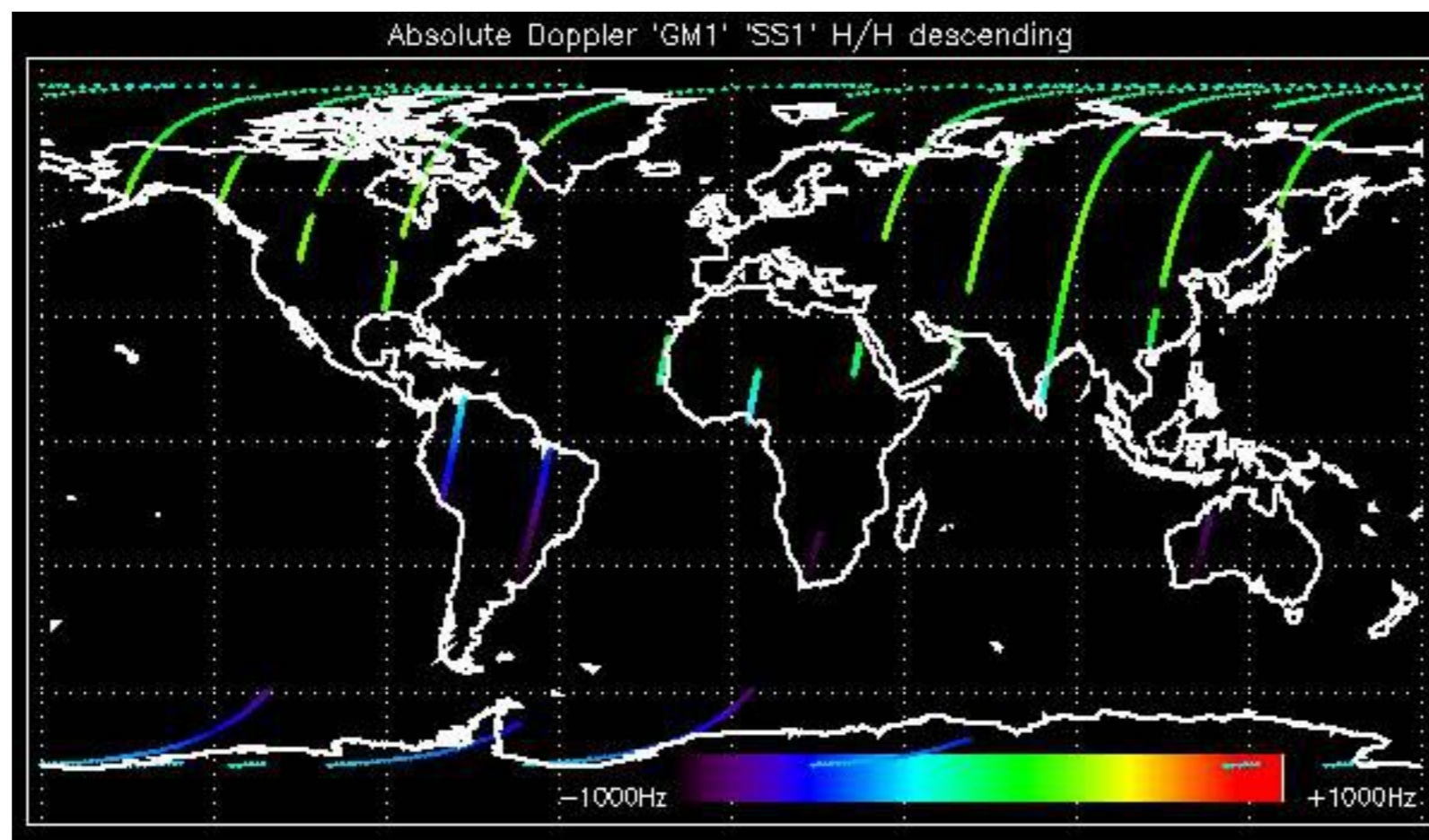


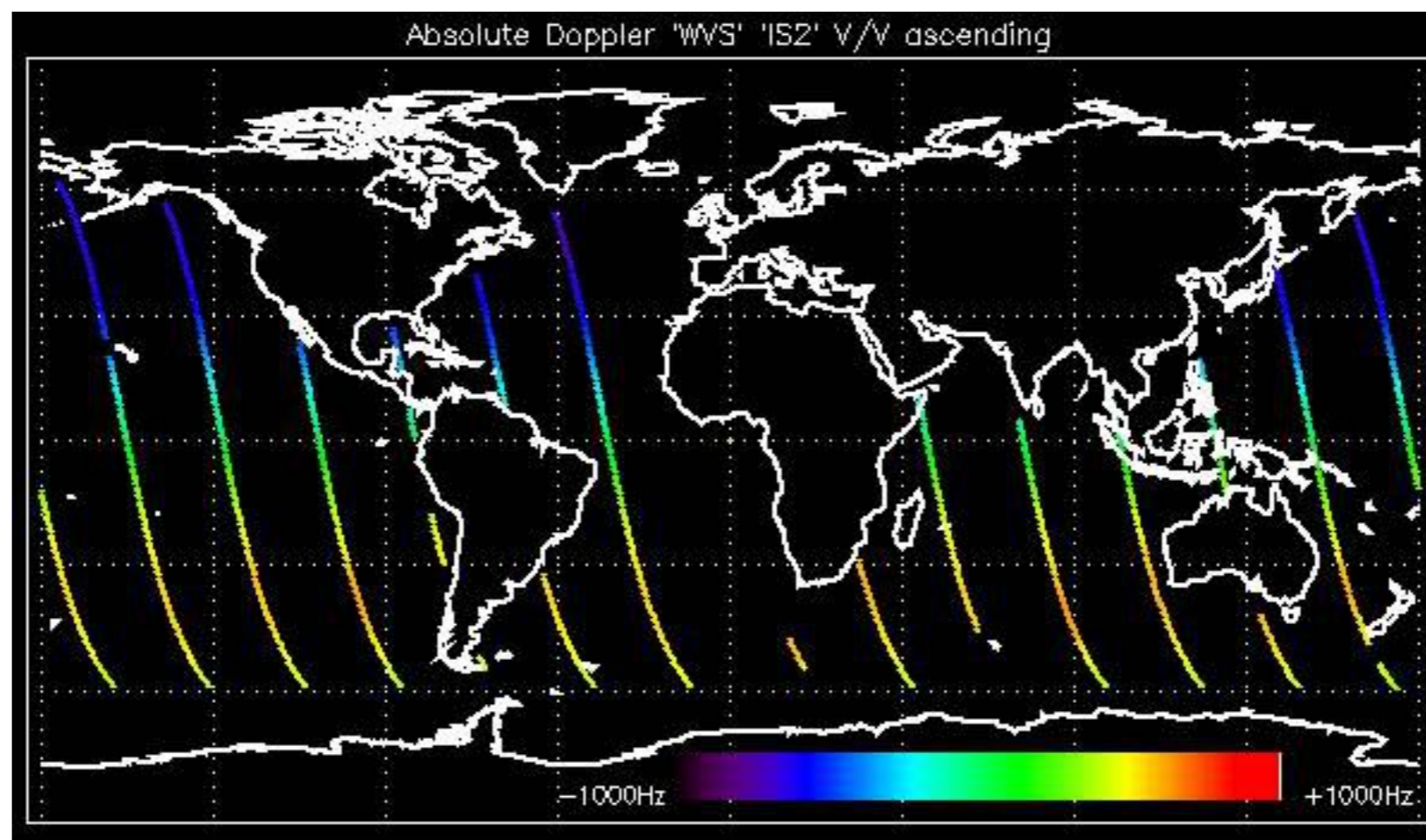
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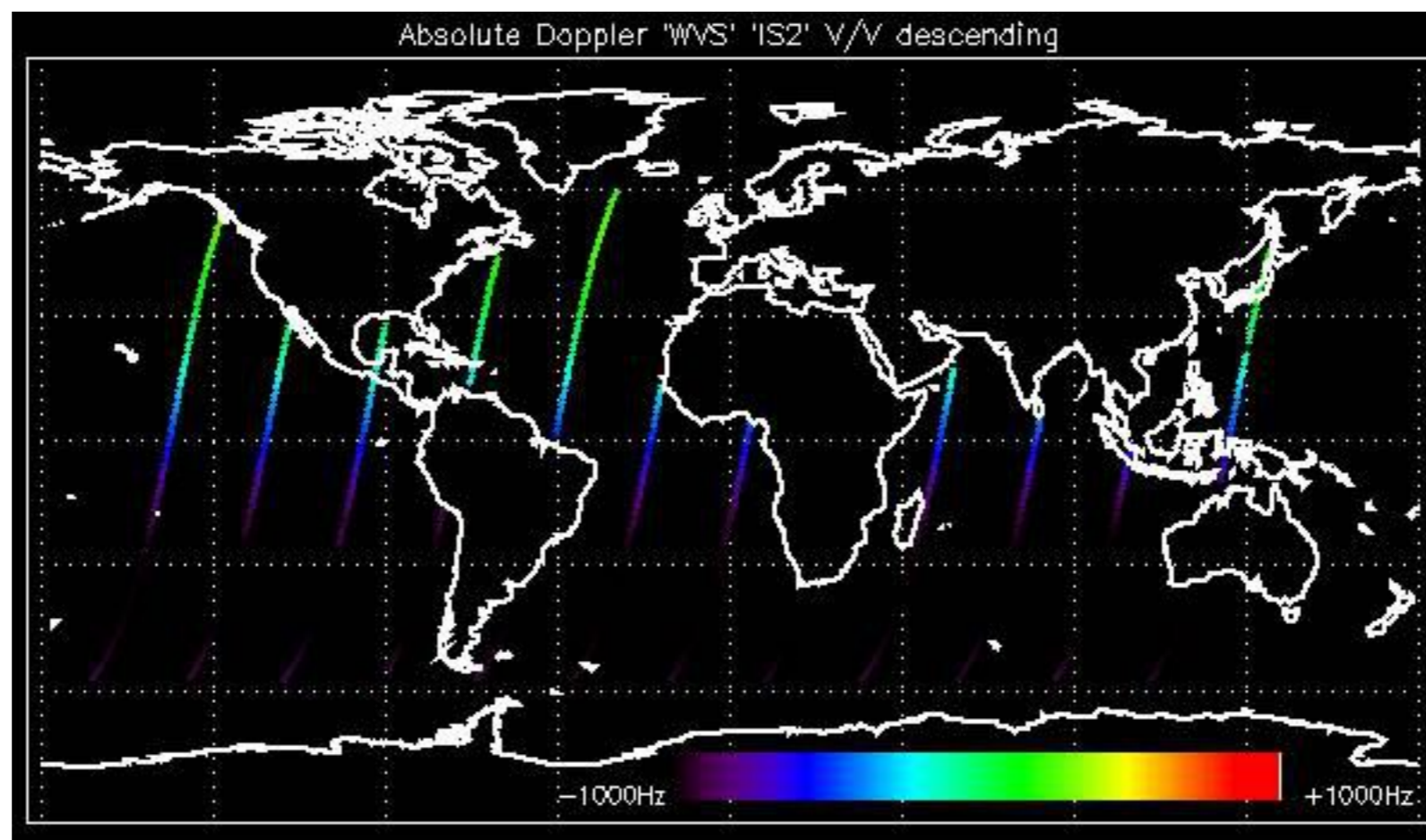


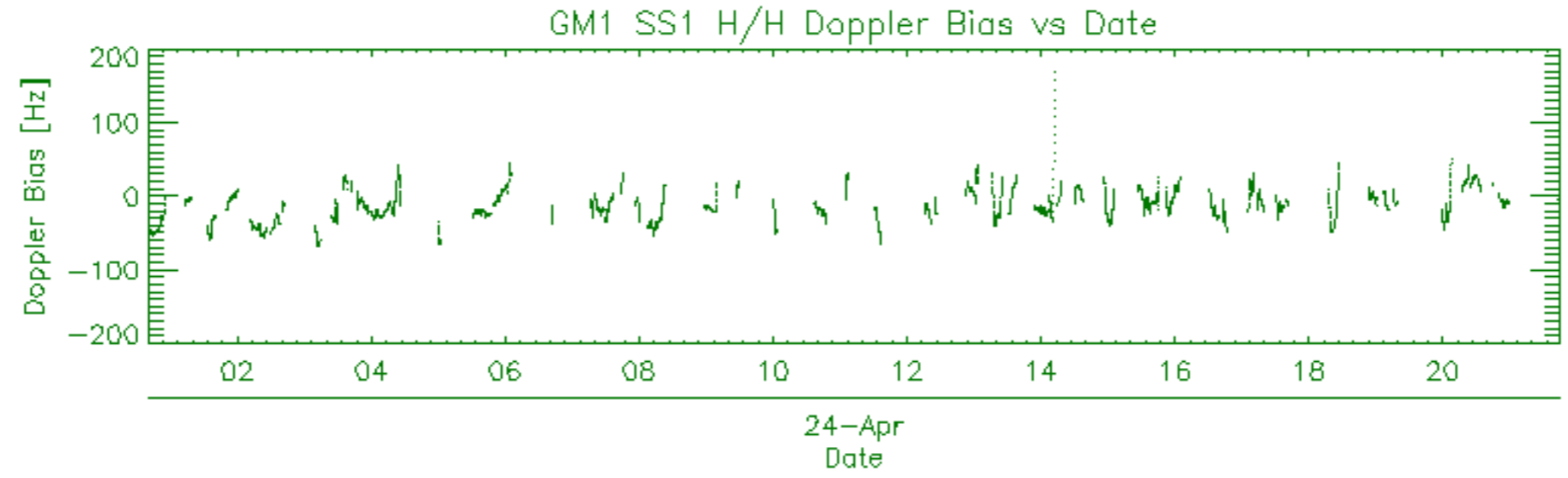
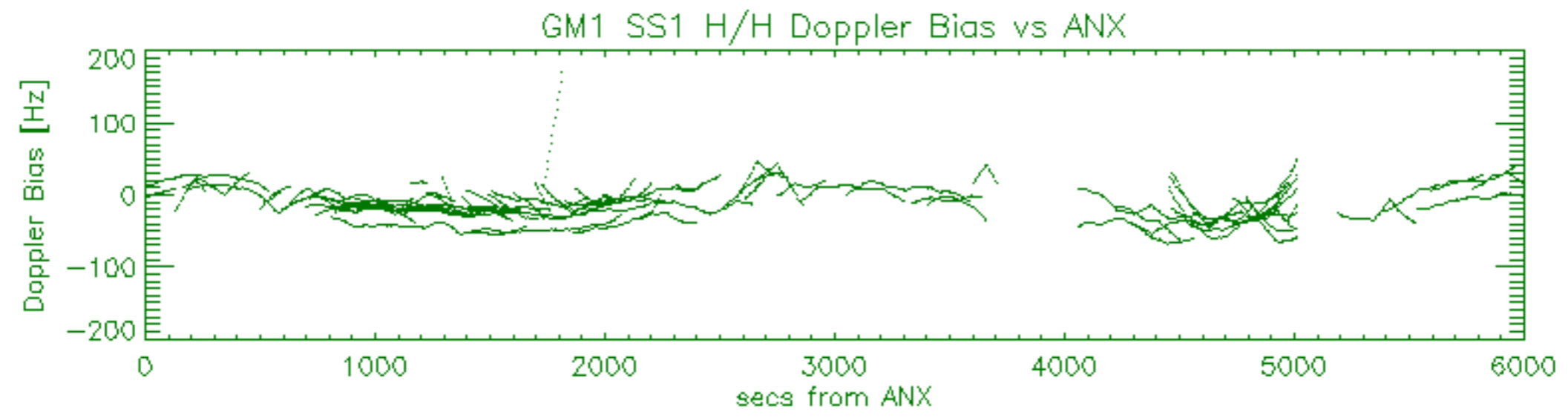
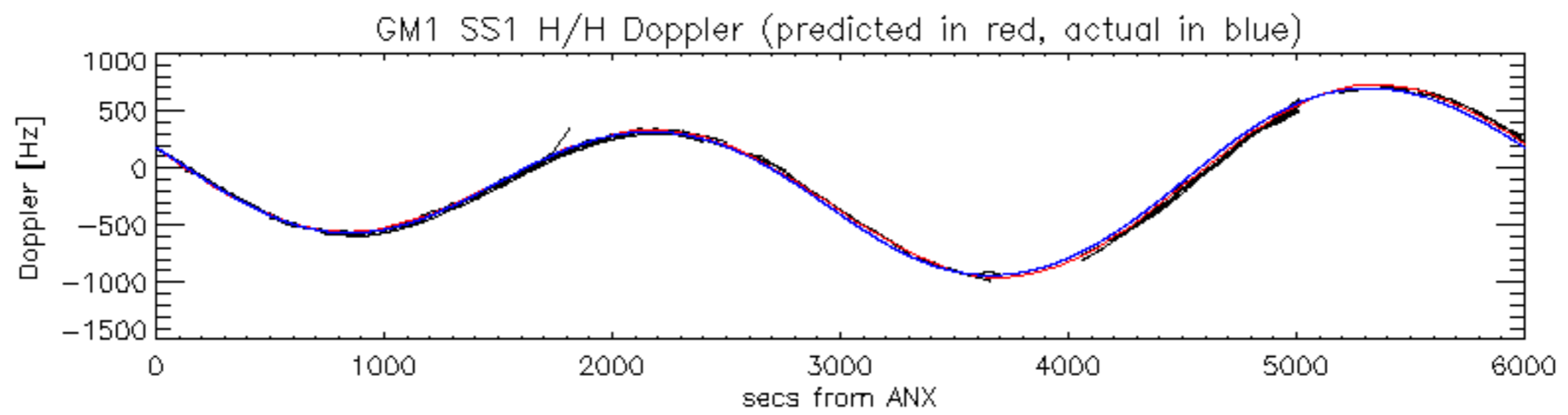
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ASA_WVS_1PNPDE20080424_024841_000005842068_00032_32150_5116.N1						IS2	V/V	68	32150	32	4.06
ASA_WVS_1PNPDE20080424_025811_000003902068_00032_32150_5246.N1						IS2	V/V	68	32150	32	4.06
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ASA_WVS_1PNPDE20080424_033845_000001042068_00033_32151_5249.N1						IS2	V/V	68	32151	33	4.06
ASA_WVS_1PNPDE20080424_034259_000001792068_00033_32151_5278.N1						IS2	V/V	68	32151	33	4.06
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ASA_WVS_1PNPDE20080424_042710_000007642068_00033_32151_5283.N1						IS1	V/V	68	32151	33	4.06
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ASA_WVS_1PNPDK20080424_160523_000014542068_00040_32158_5994.N1						IS2	V/V	68	32158	40	4.06
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ASA_WVS_1PNPDK20080424_174504_000014992068_00041_32159_6121.N1						IS2	V/V	68	32159	41	4.06
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ASA_WVS_1PNPDK20080424_200733_000005252068_00042_32160_6258.N1						IS2	V/V	68	32160	42	4.06
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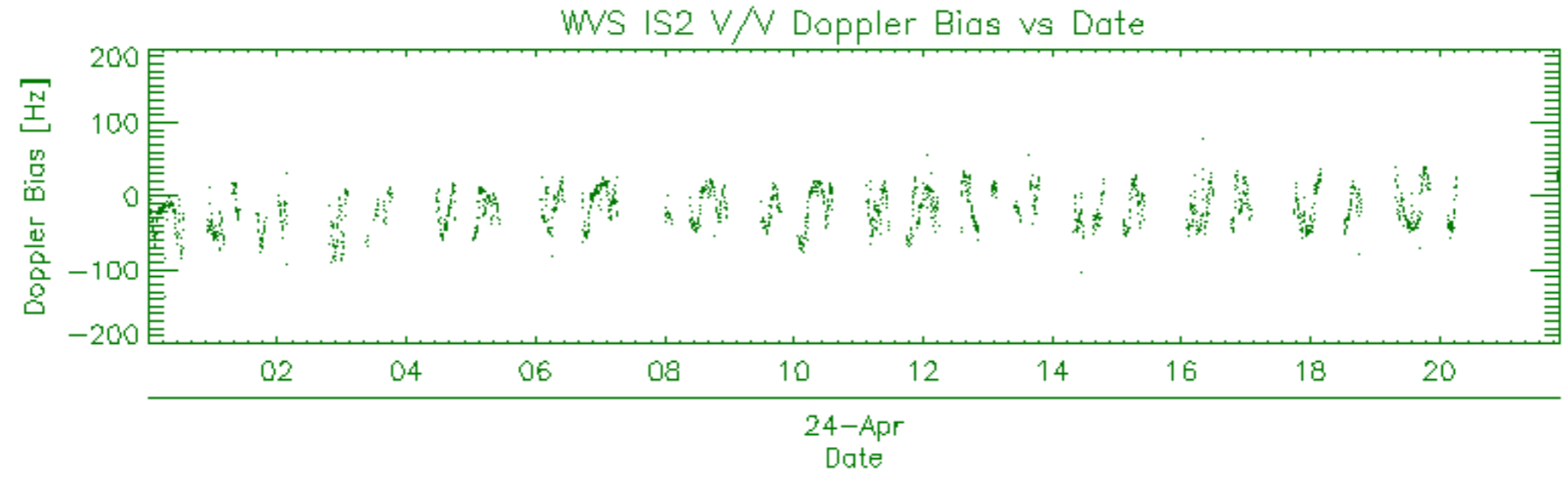
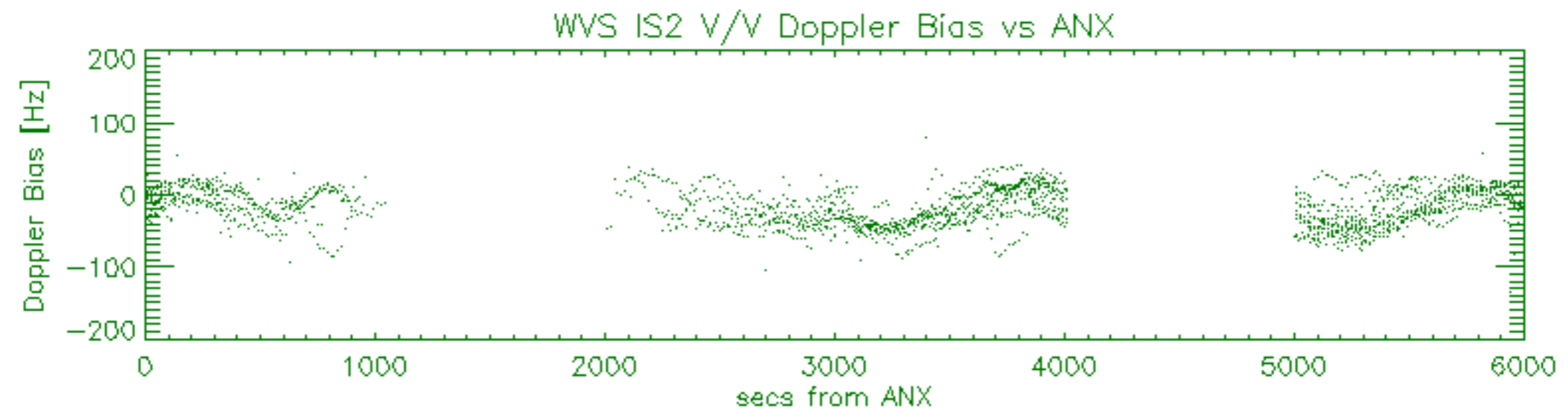
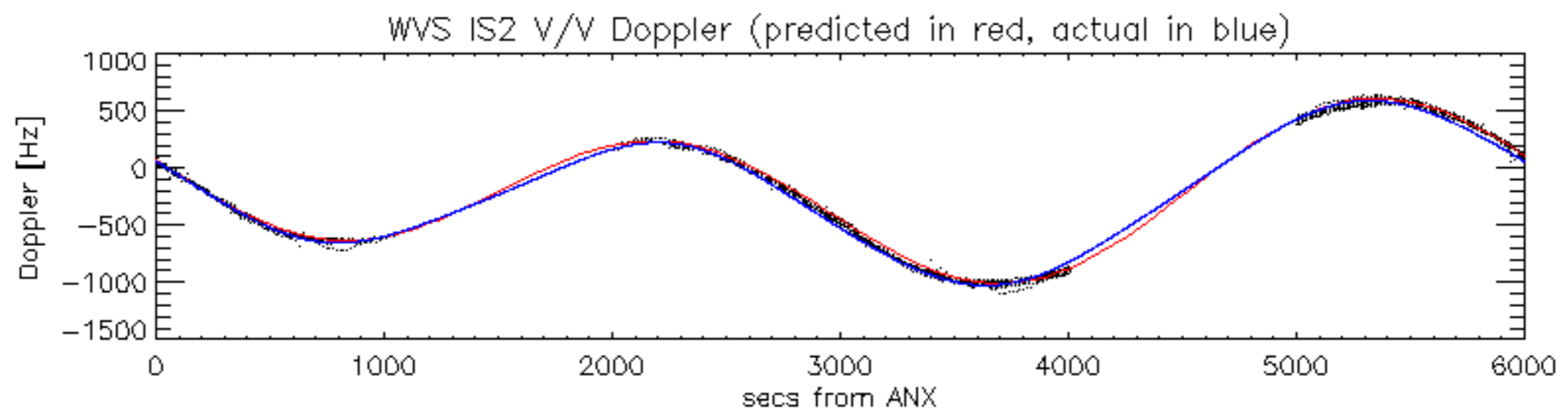


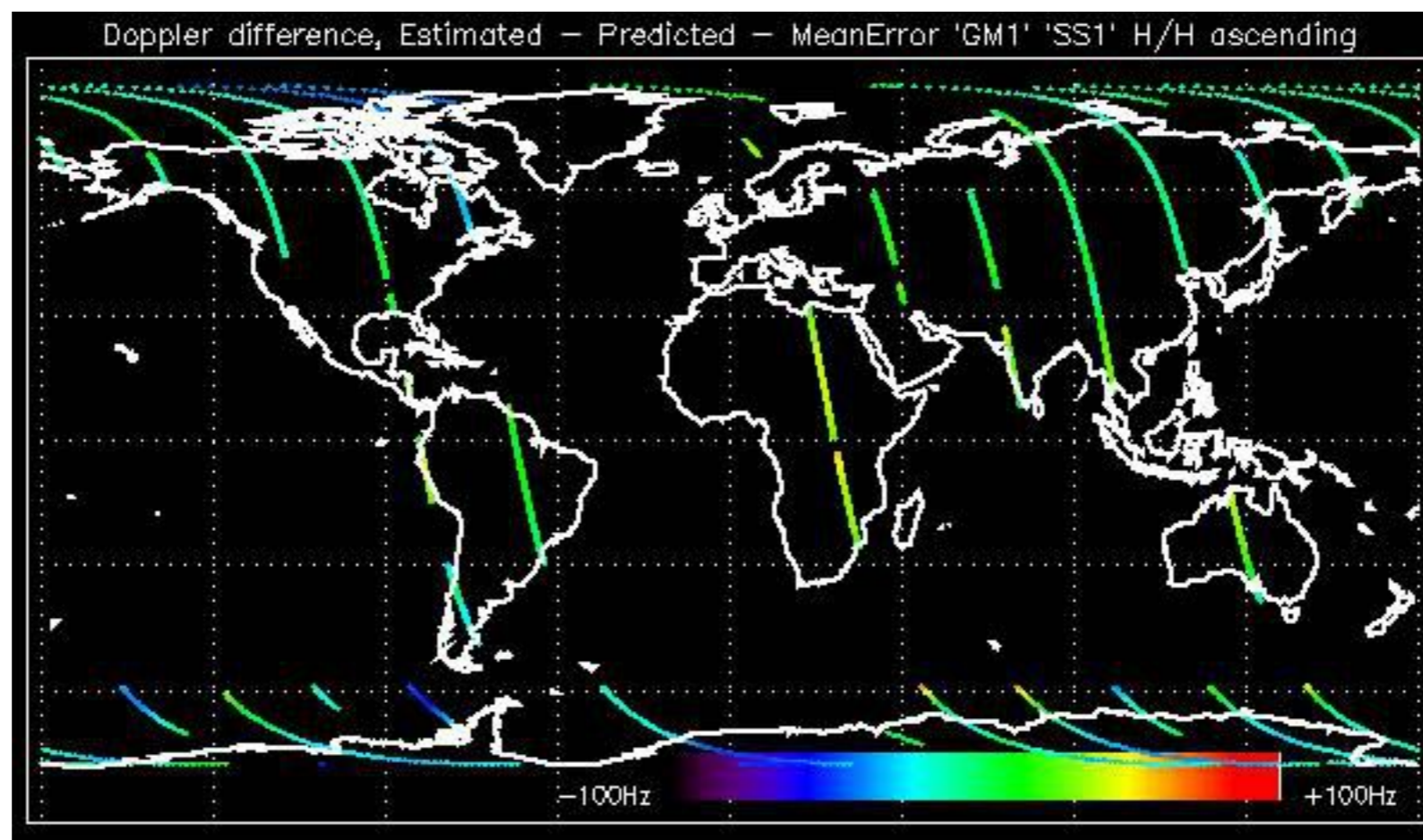




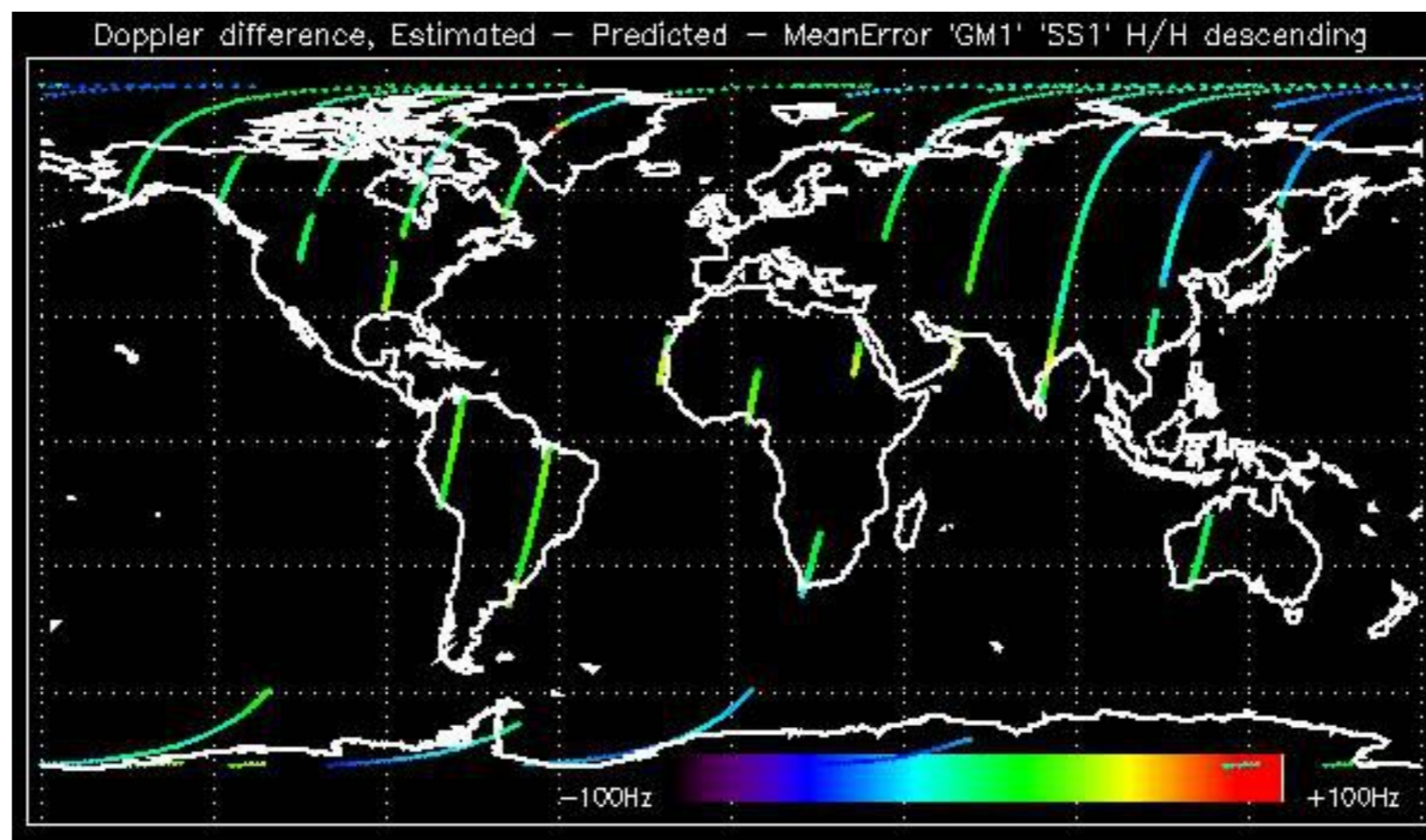


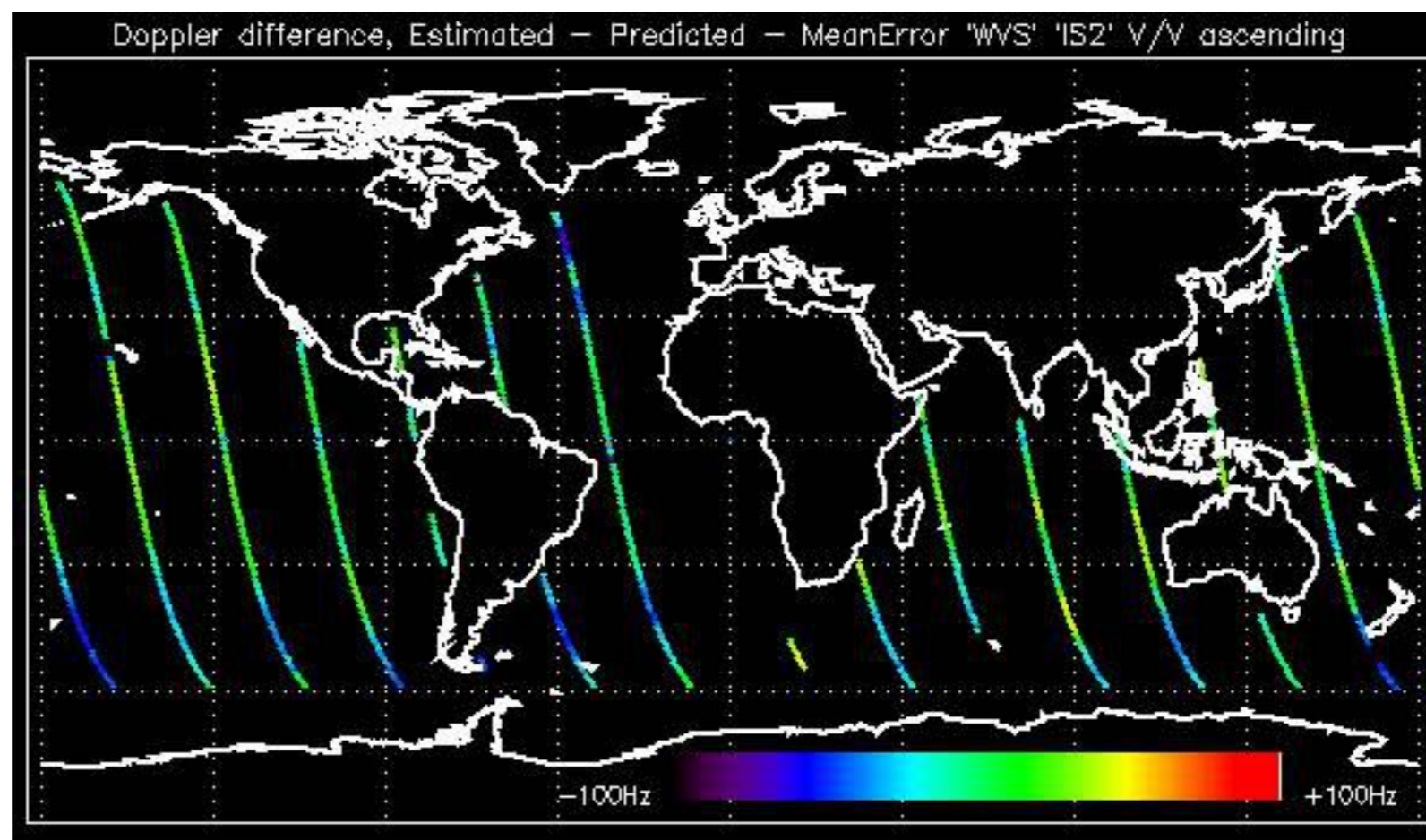


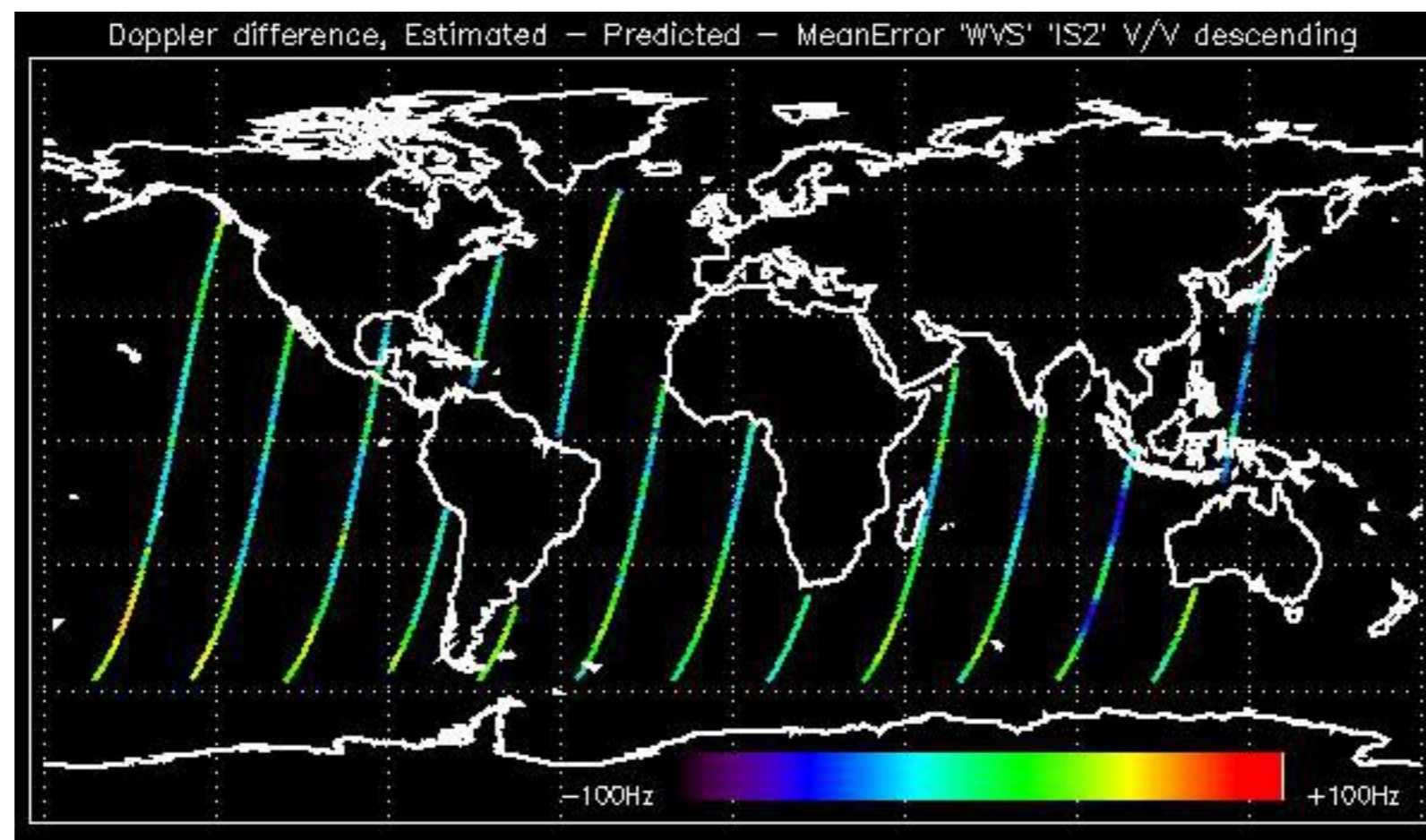


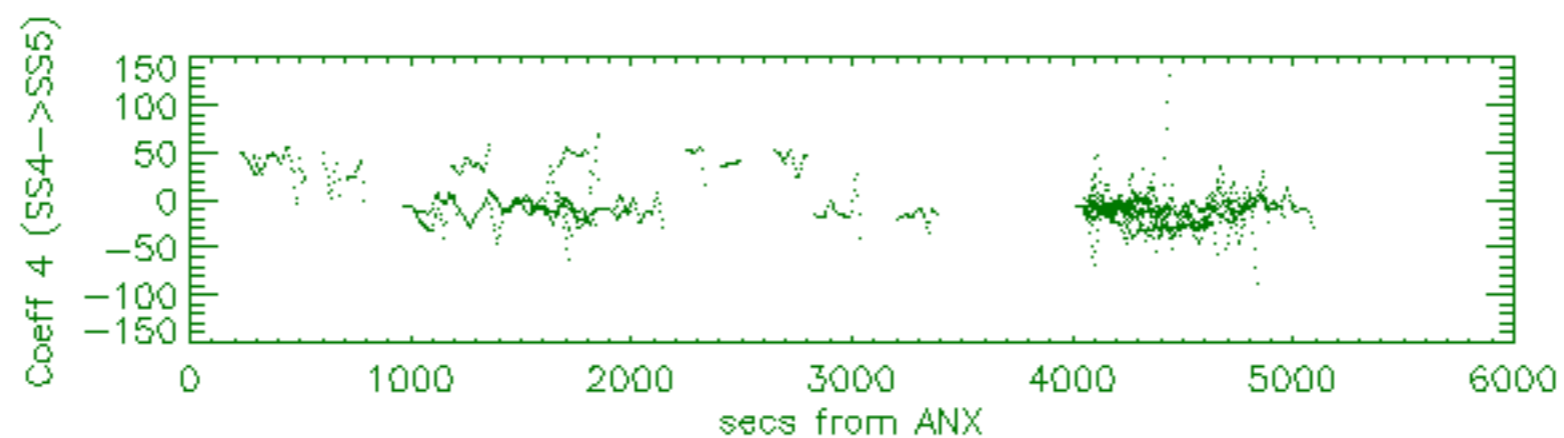
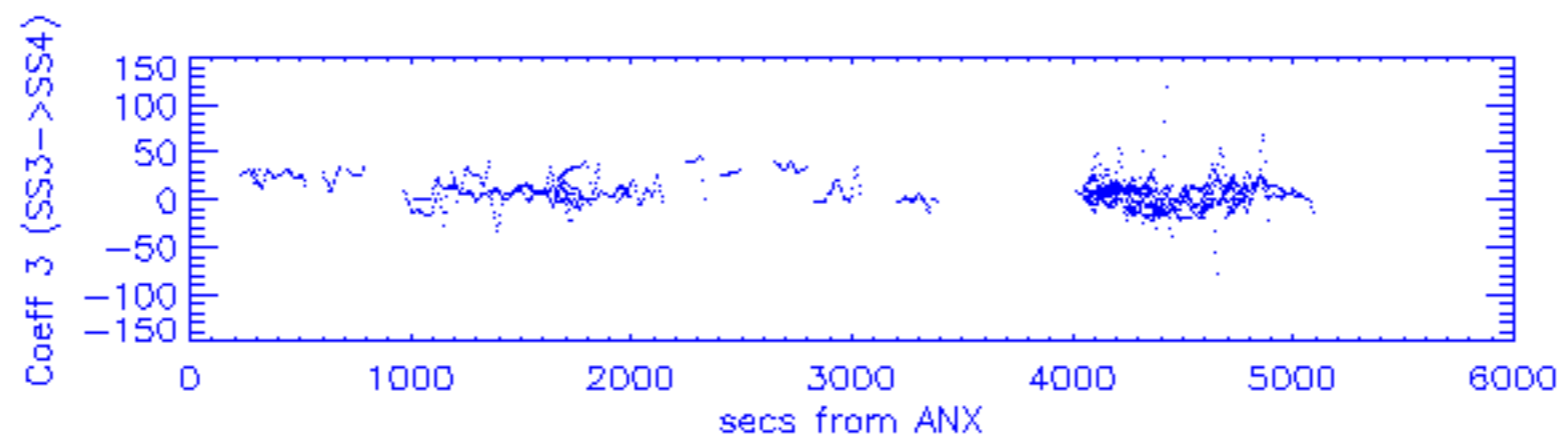
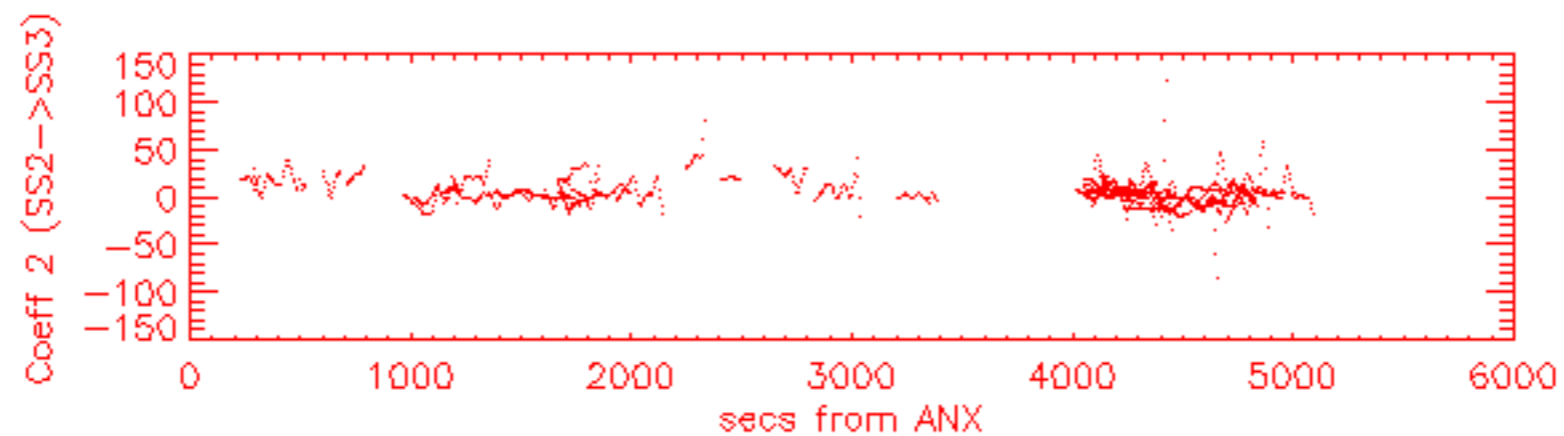
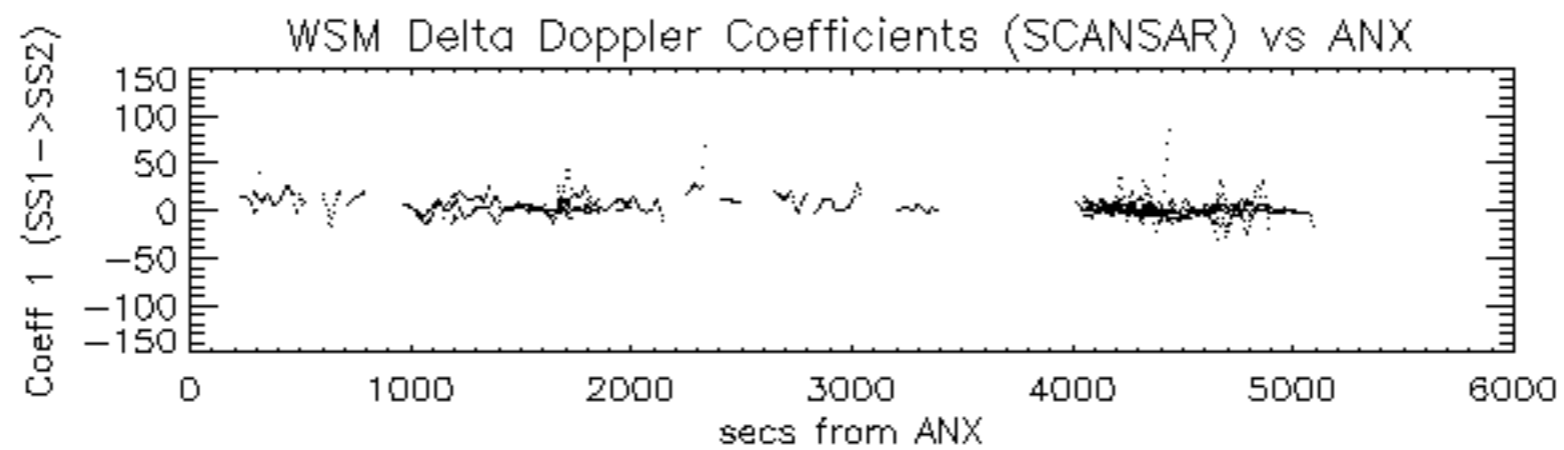


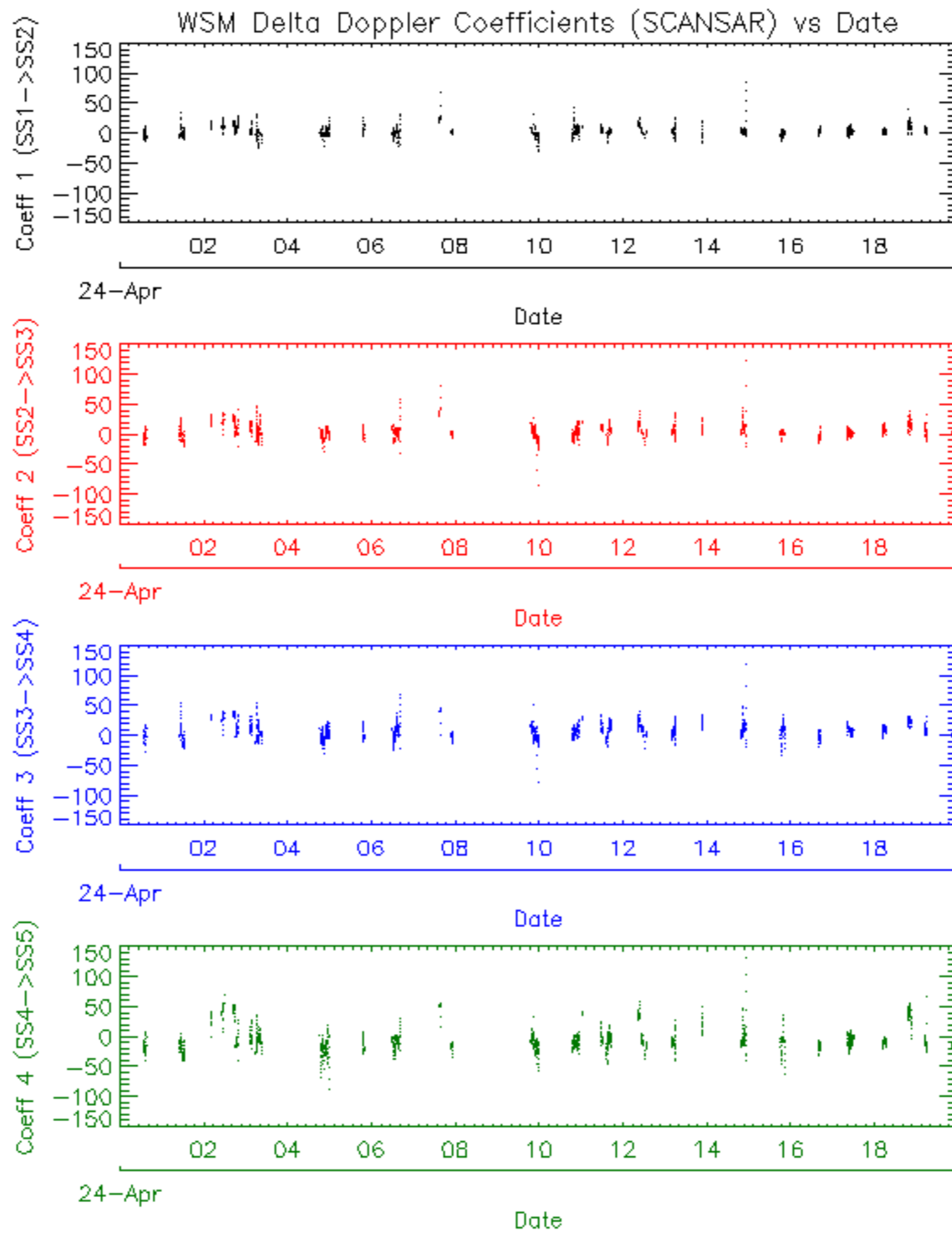




















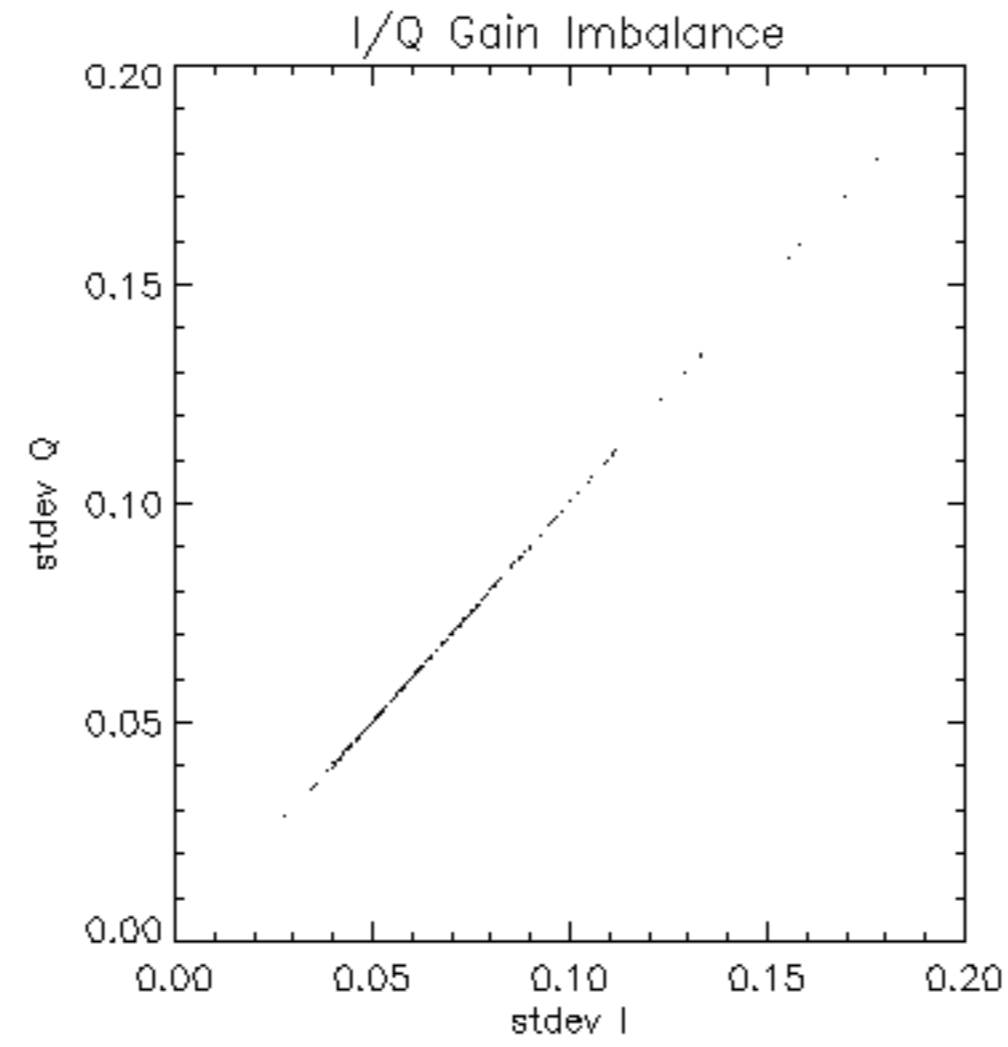


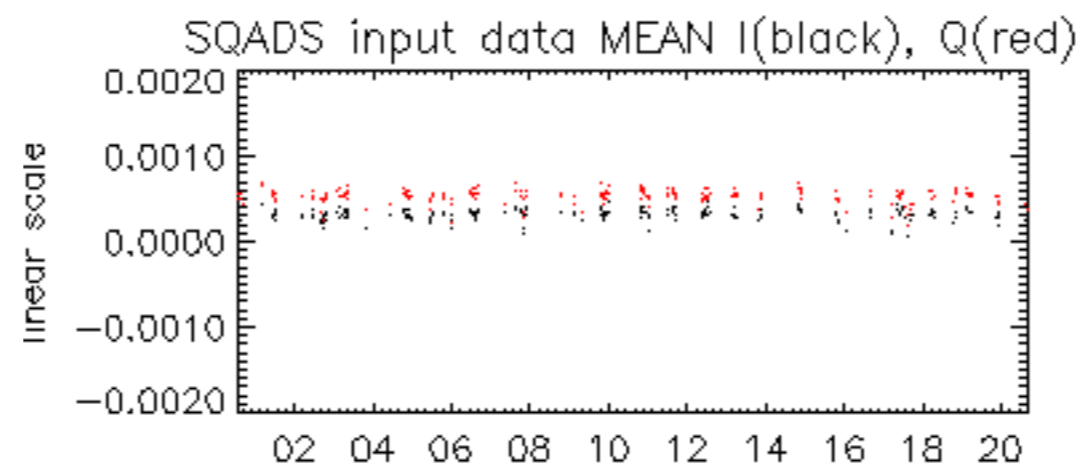




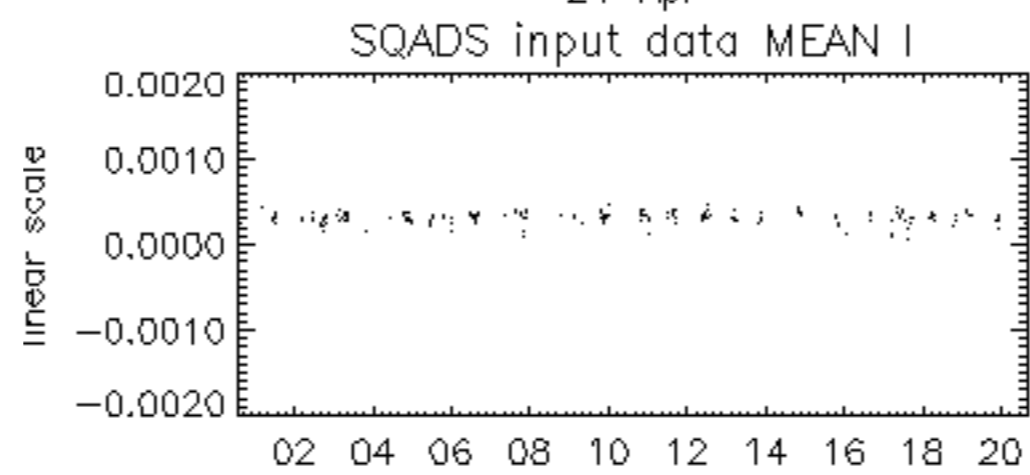




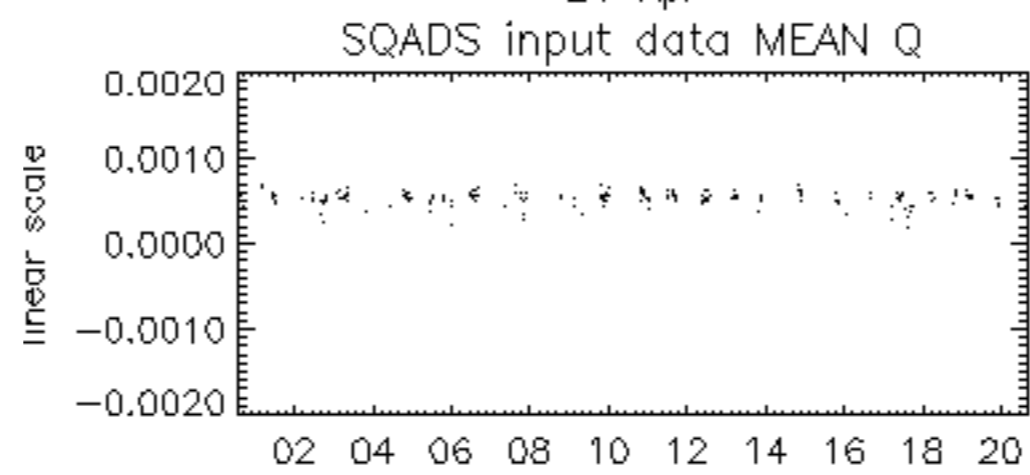




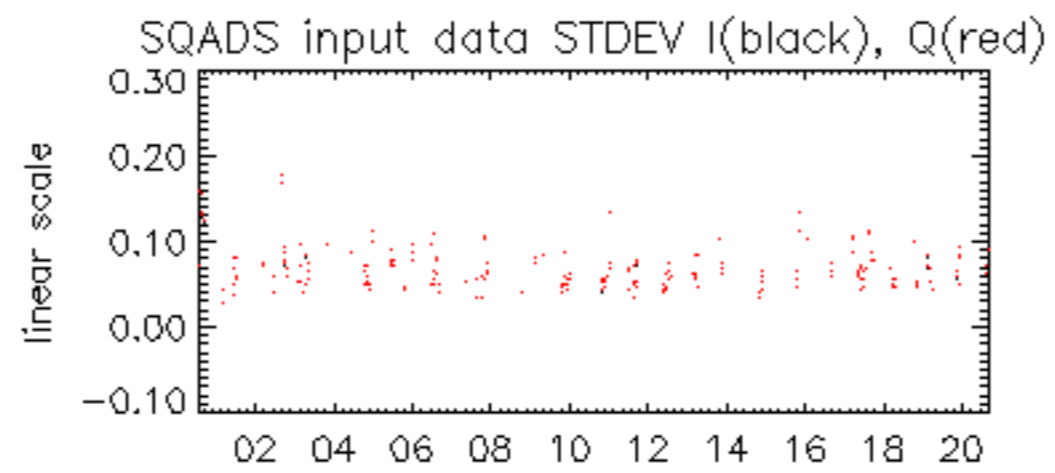
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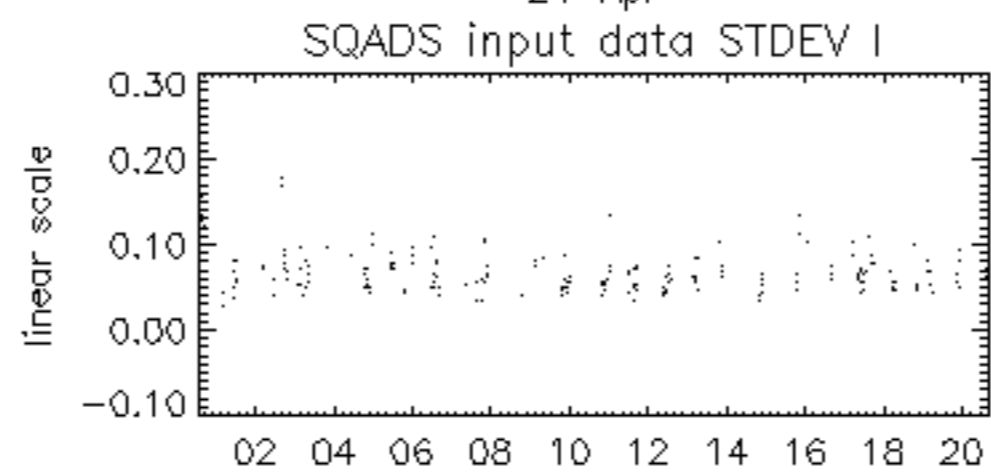
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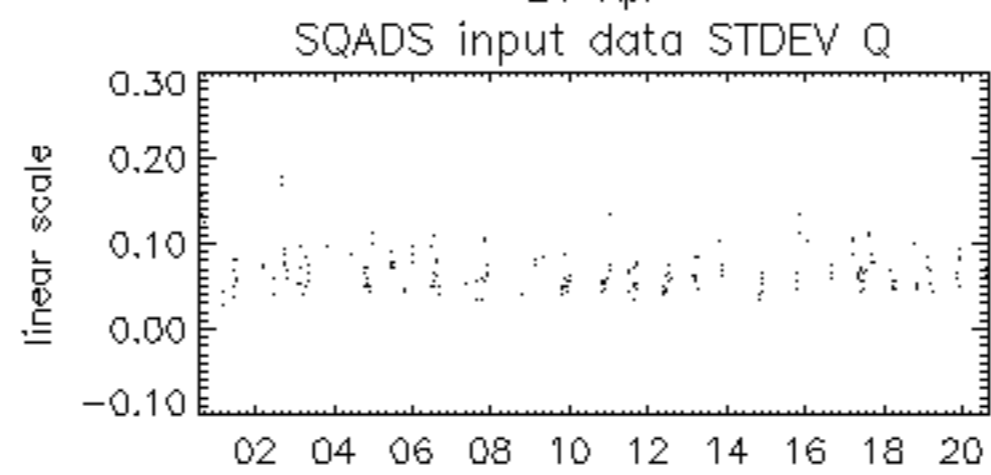
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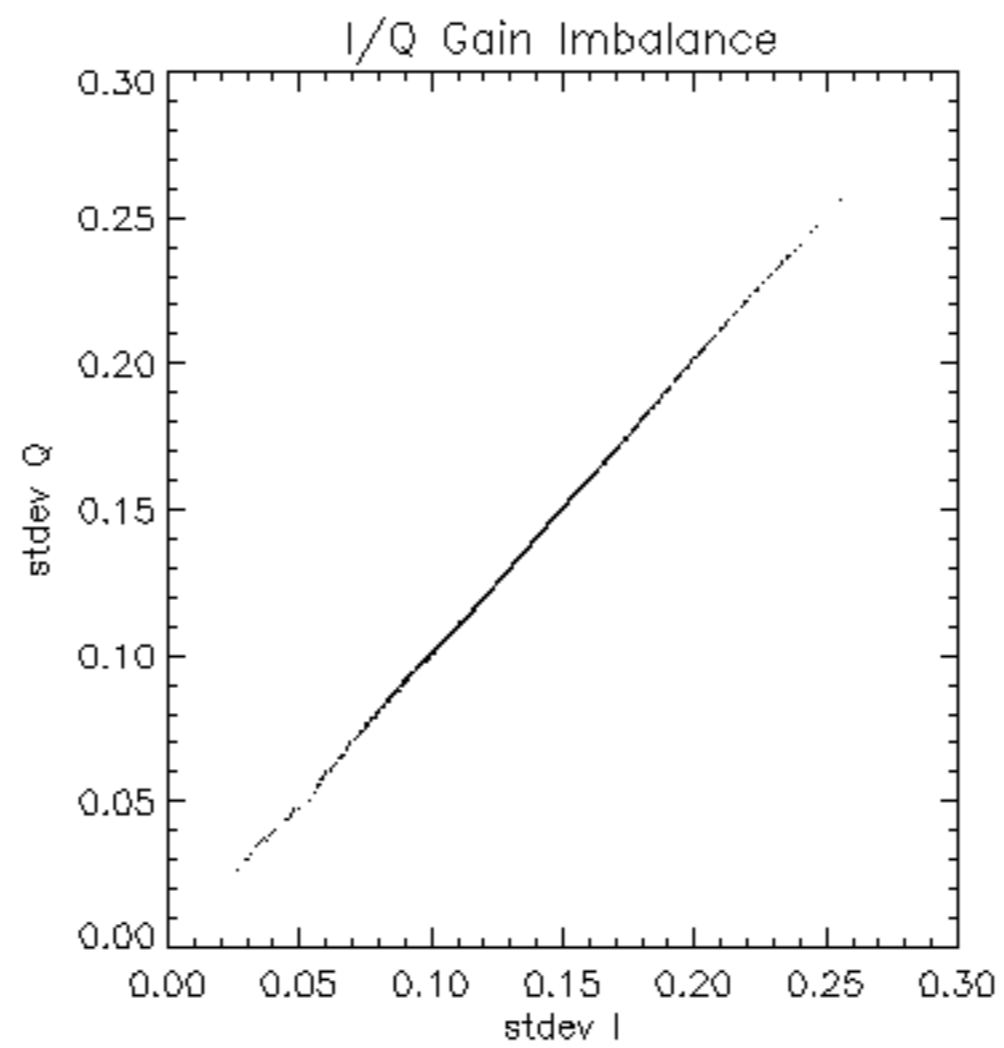


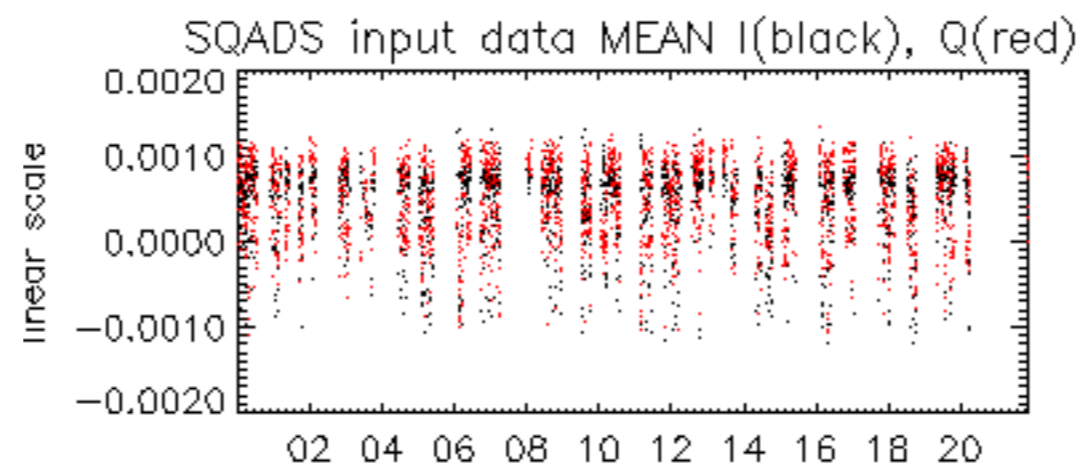
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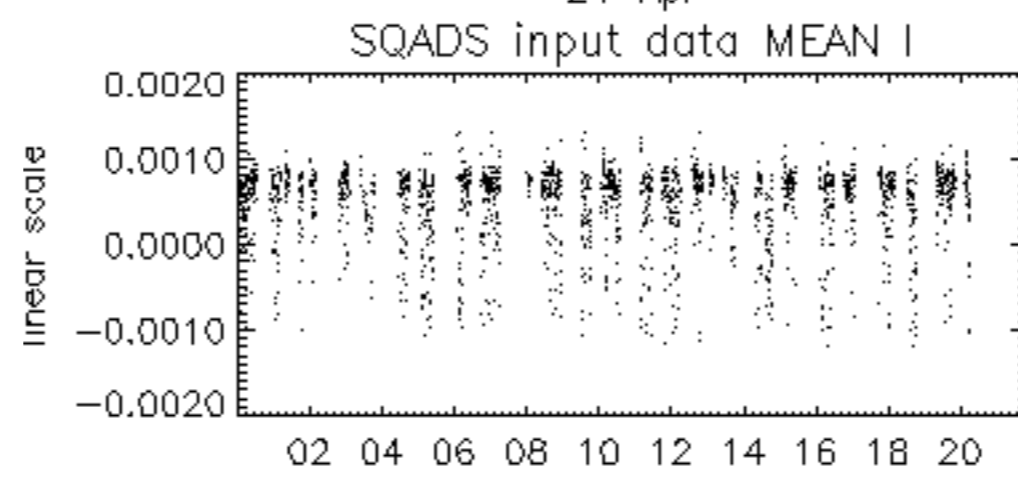
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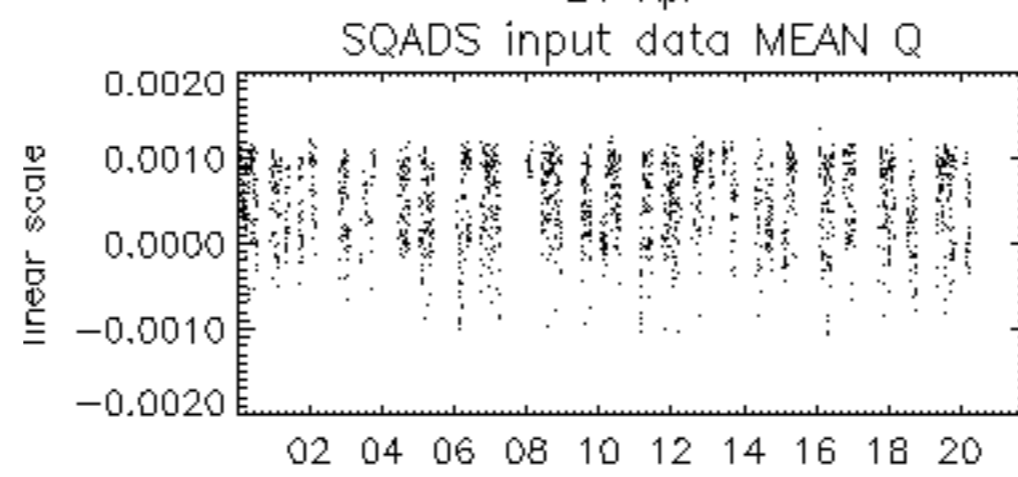




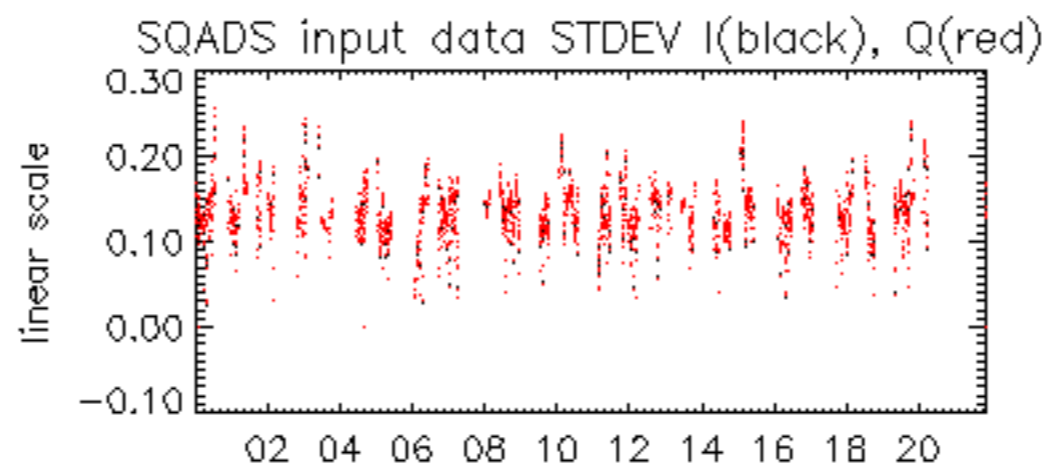
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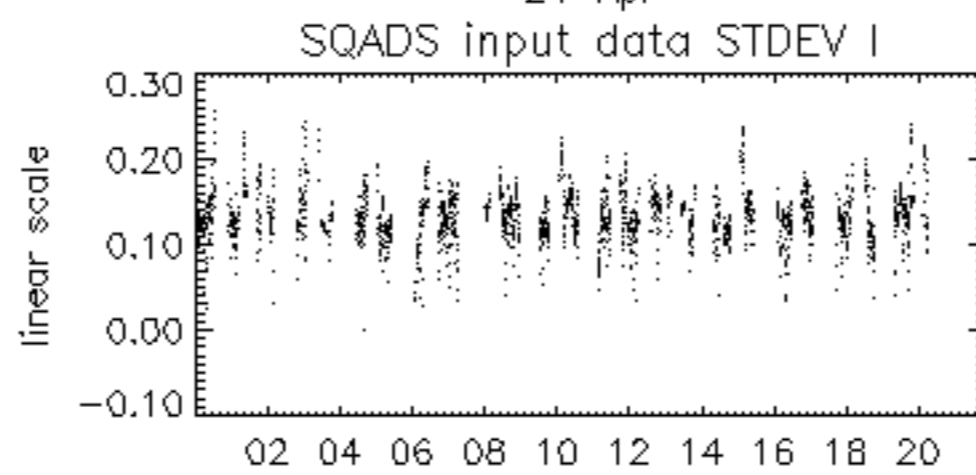
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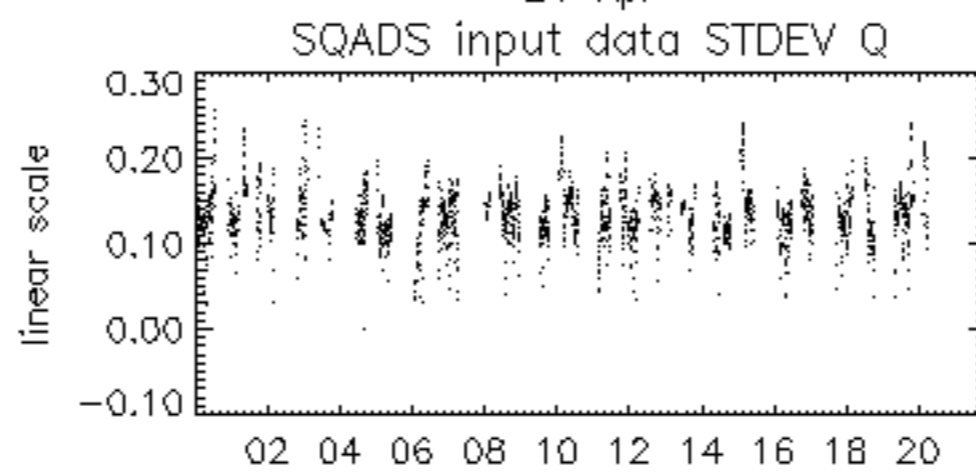
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