



Analysis from 21-JUL-2011 00:00:00 to 21-JUL-2011 23:59:59. Page generated on 22-JUL-2011 07:32:02.  
View log file: ASAR\_Daily\_Report\_20110722\_0731.log. For any anomalies please contact emma.griffiths@vegaspace.com, kajal.haria@vegaspace.com.

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	1	PDE	WS	H/H	30	PDE	IS1	H/H	1	PDE	IS4	H/H	1	PDE	WS	H/H	25	PDK	2011-07-21 06:37:51	H	320
PDE	IS2	V/V	23	PDK	WS	H/H	47	PDE	IS2	H/H	1	PDE	IS6	H/H	5	PDE	WS	V/V	8	PDK	2011-07-21 08:18:05	V	320
PDK	IS2	V/V	19					PDE	IS3	H/H	3	PDE	IS7	V/V	1	PDK	WS	H/H	10				
								PDE	IS4	H/H	1	PDK	IS2	H/H	2	PDK	WS	V/V	3				
								PDE	IS4	V/H	1	PDK	IS2	V/V	1								
								PDE	IS4	V/V	1	PDK	IS3	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_AXVIEC20110526_075001_20101027_215740_20141231_000000
ASA_INS_AXVIEC20110124_114858_20101228_112000_20141231_235959
ASA_XCH_AXVIEC20101222_143057_20020301_000000_20141231_000000
ASA_XCA_AXVIEC20110526_075734_20101027_215740_20141231_000000

### 2.2 - Products with wrong ADFs

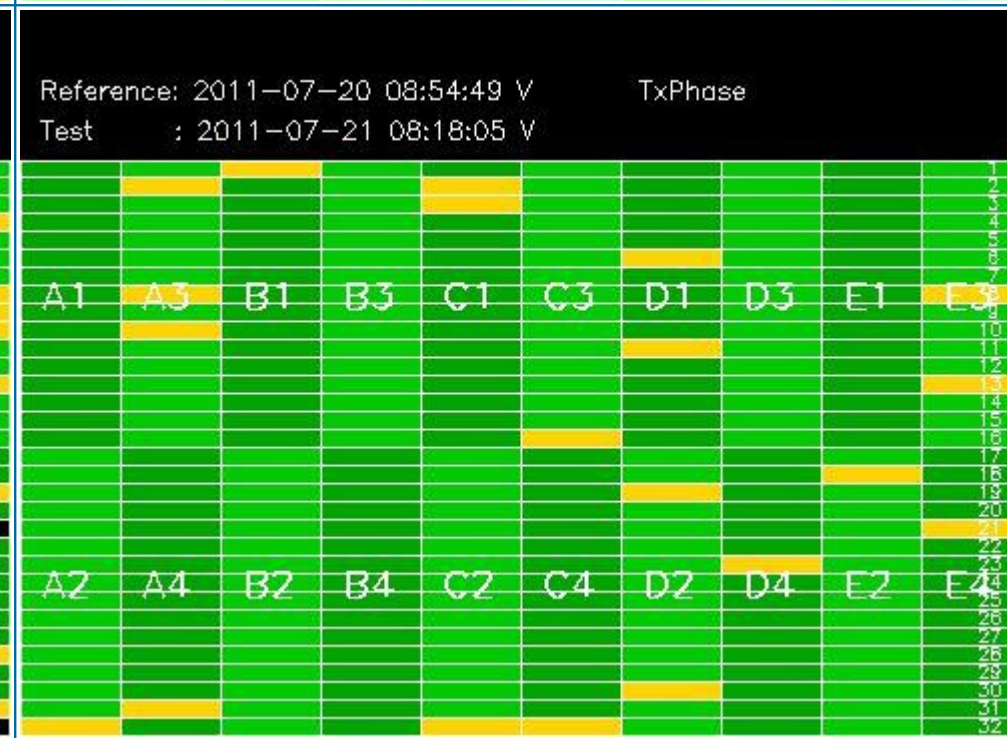
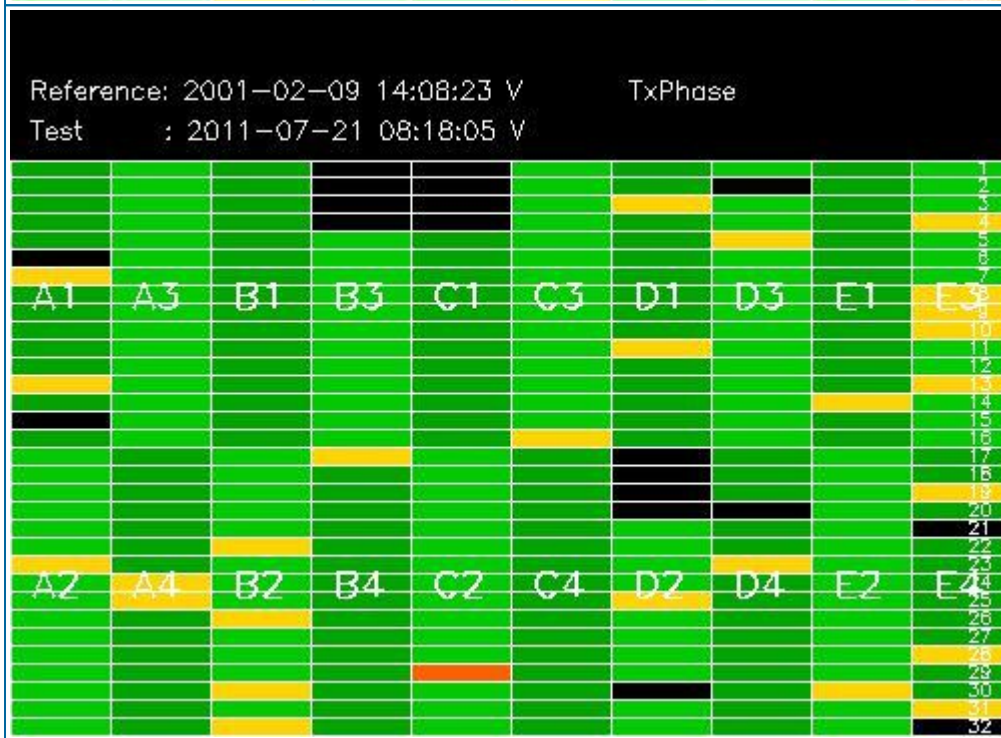
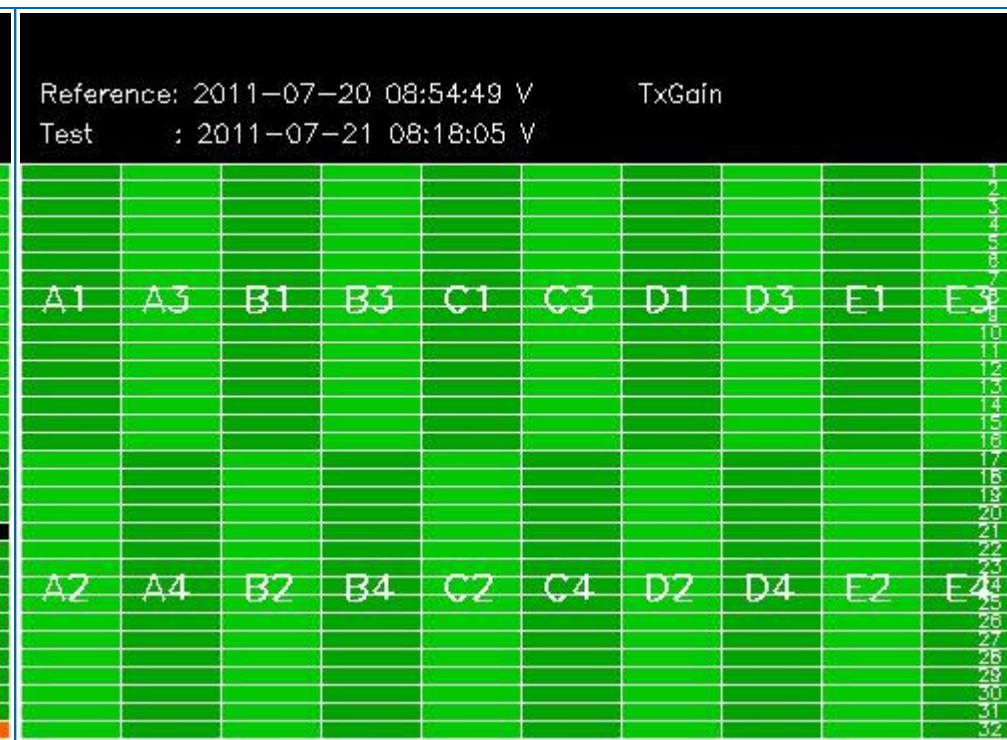
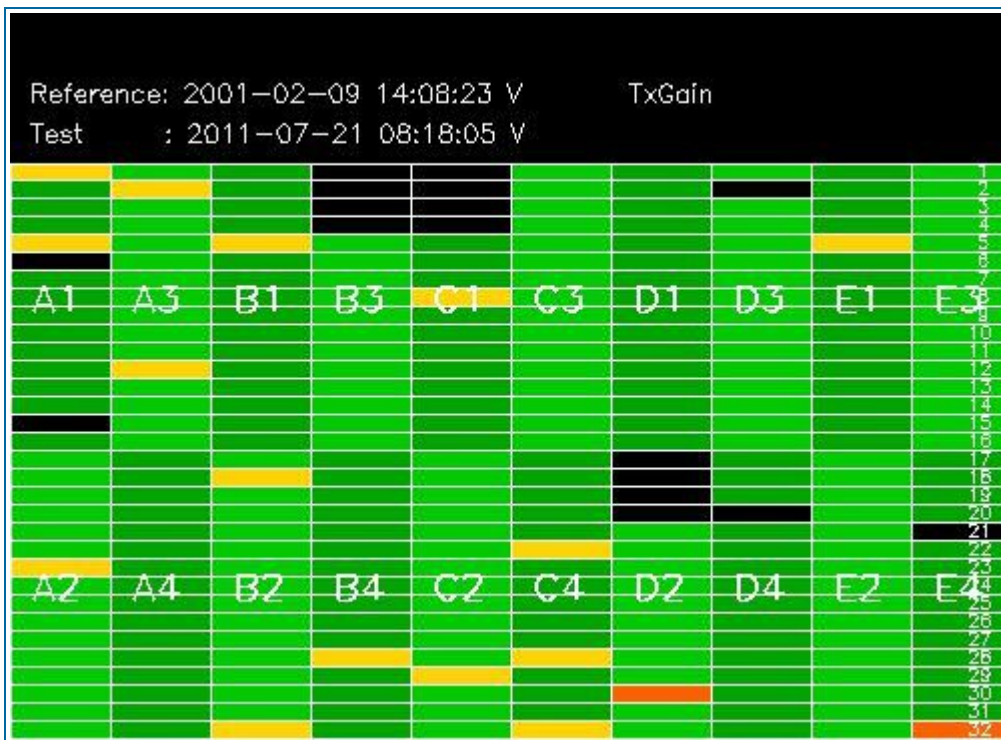
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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

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

### 3 - MODULE STEPPING PRODUCTS ANALYSIS

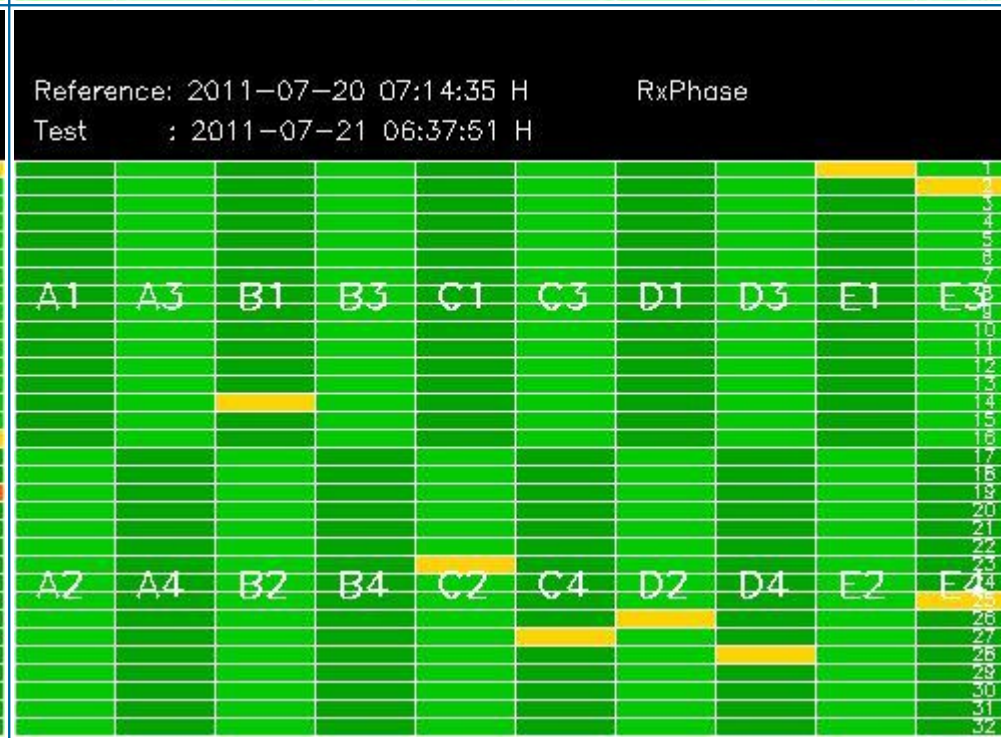
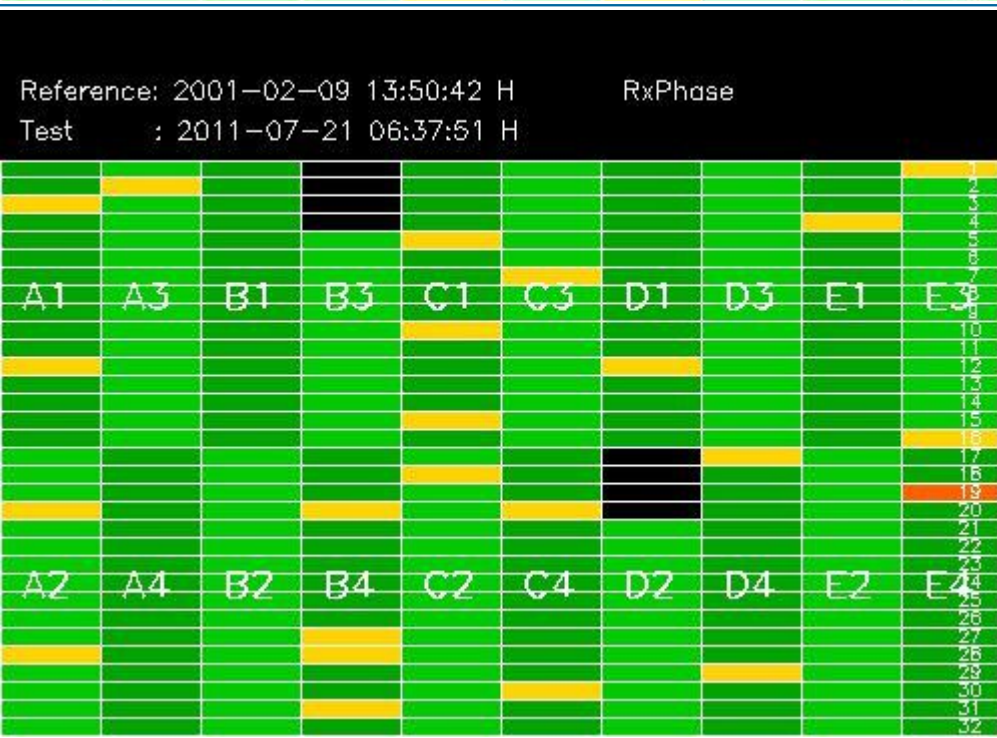
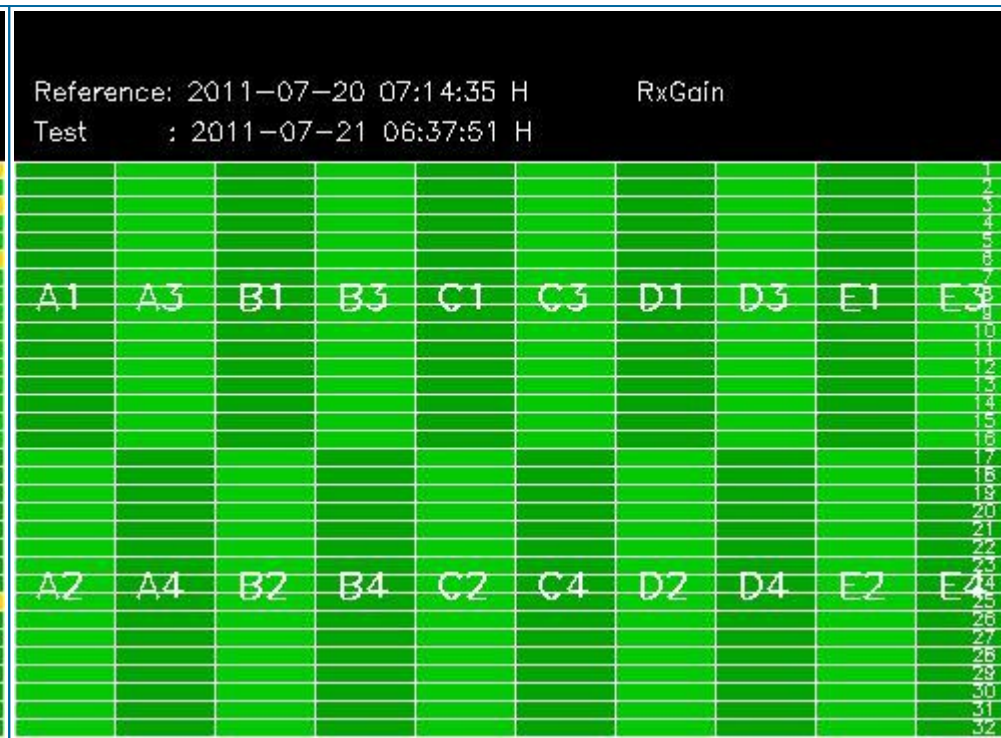
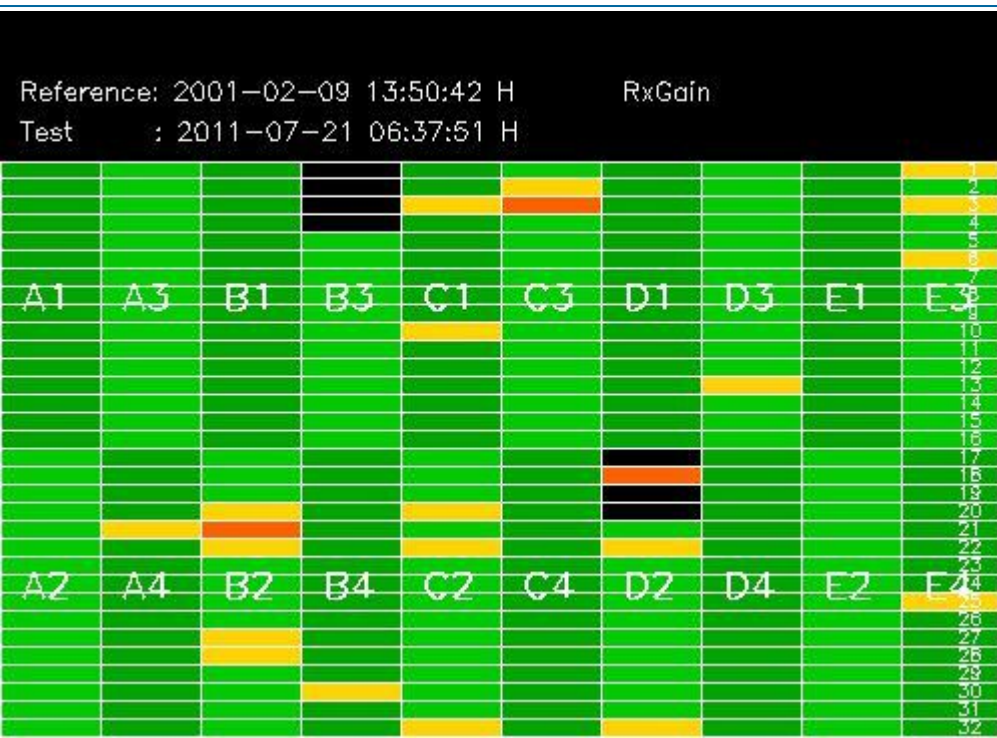


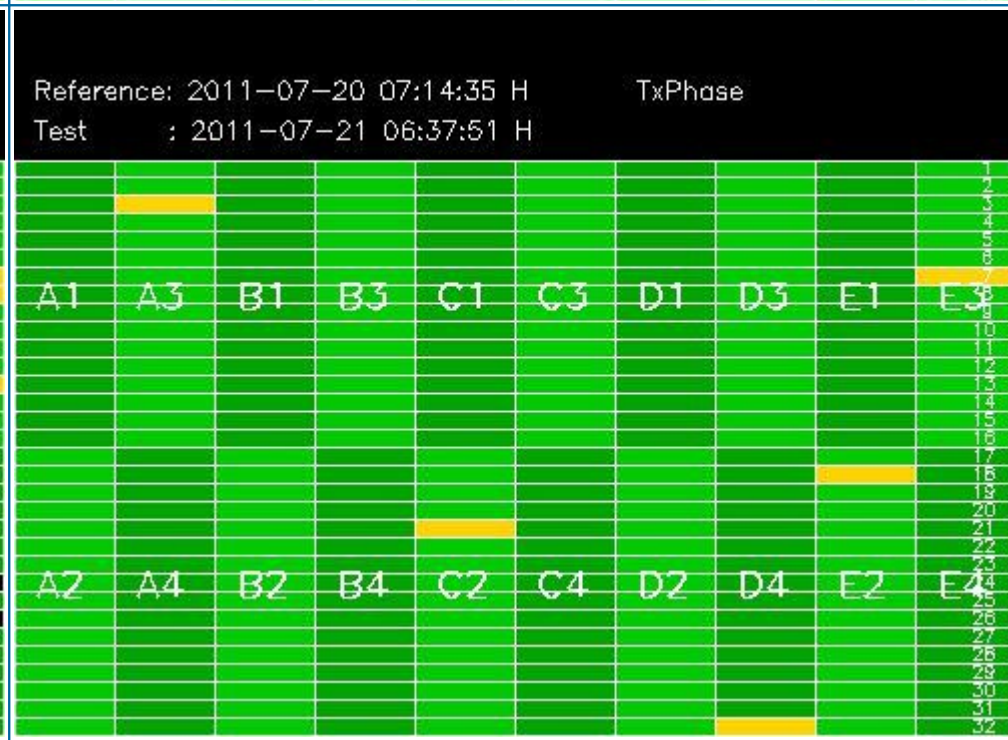
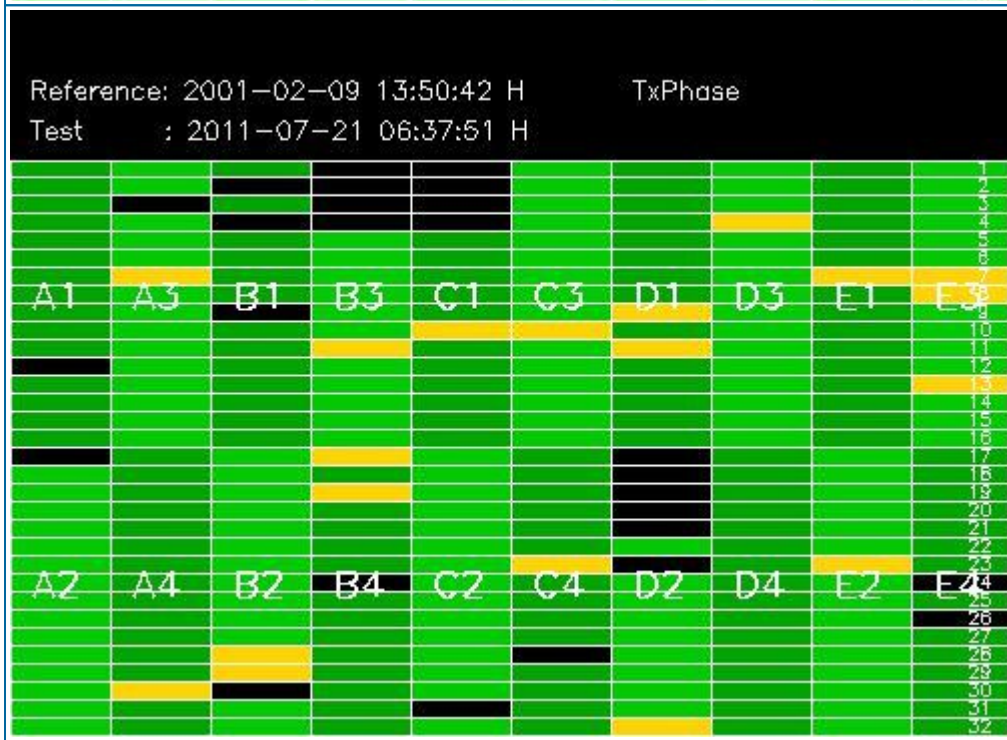
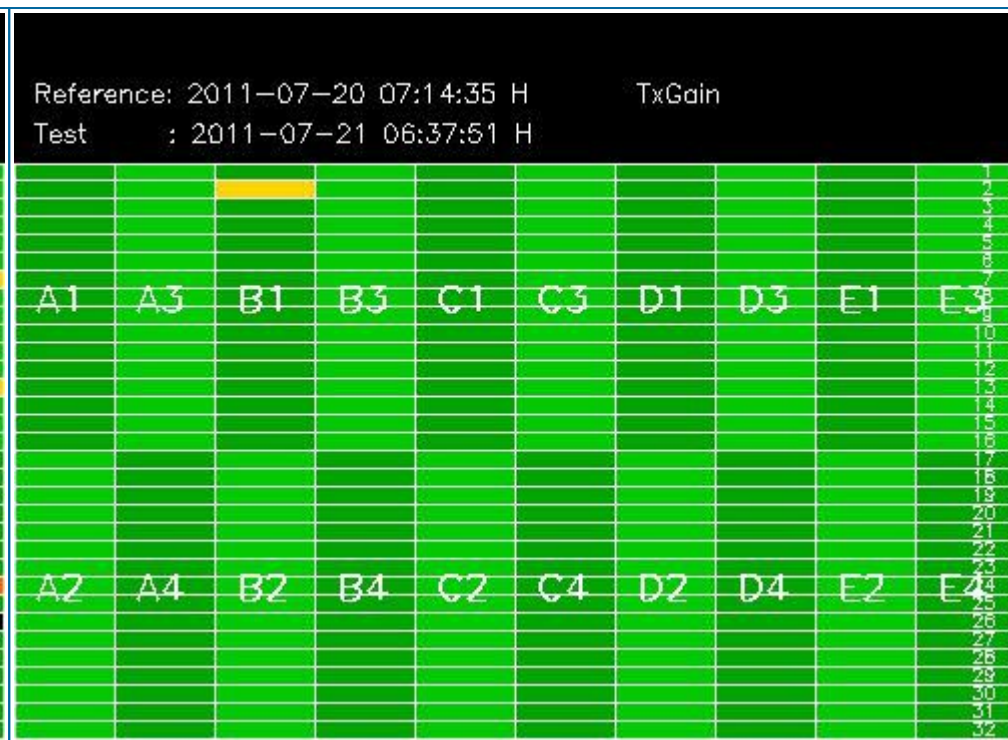
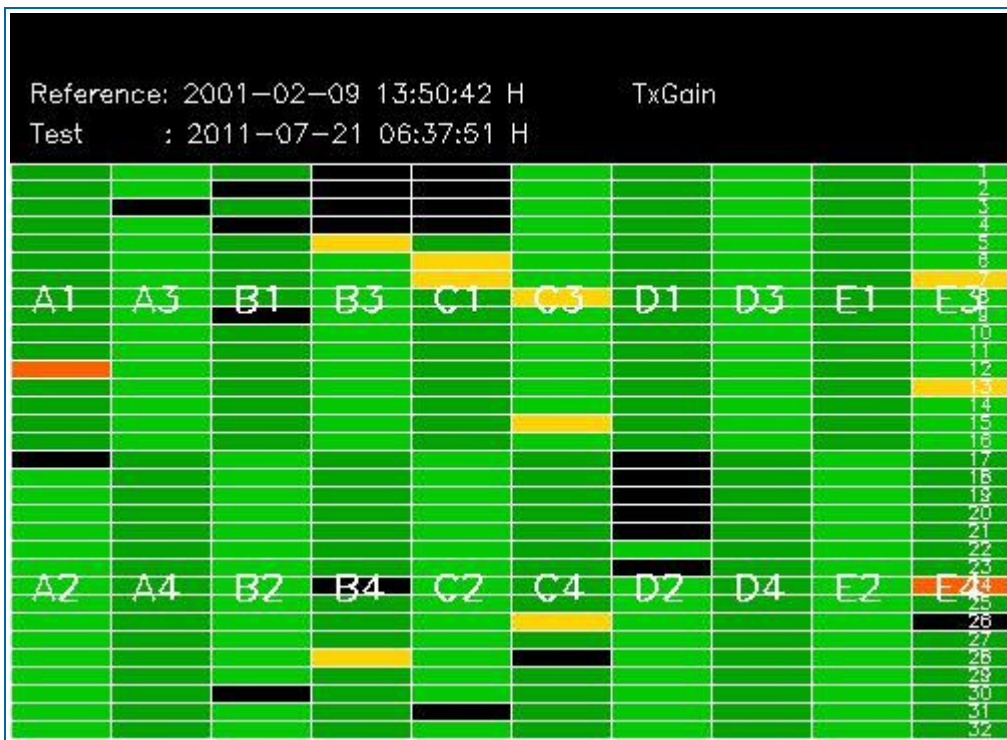


### 3.2 - H/H polarisation

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SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation





## 4 - CALIBRATION PULSES ANALYSIS

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

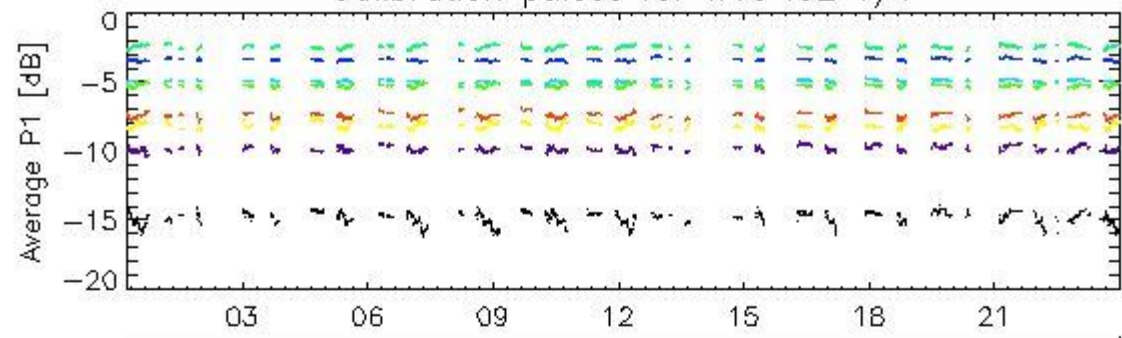
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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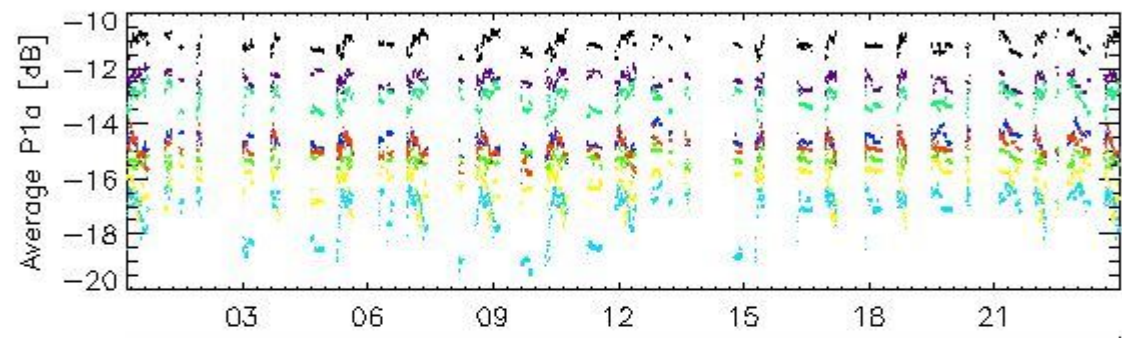
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

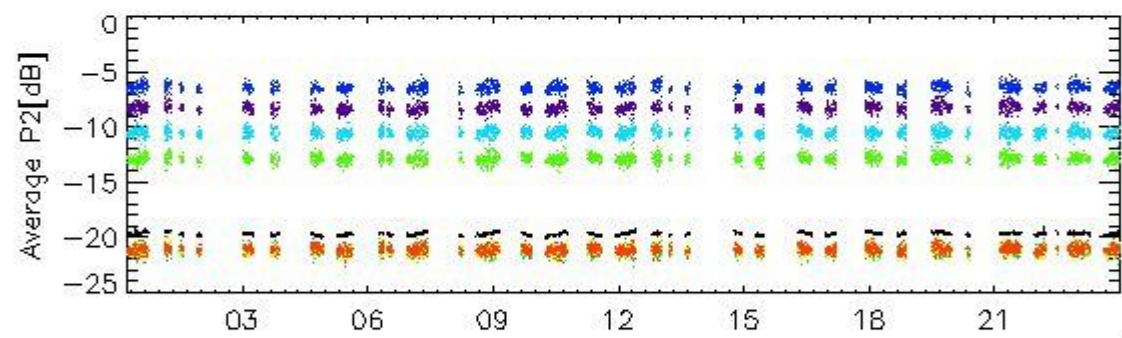
Calibration pulses for WVS IS2 V/V



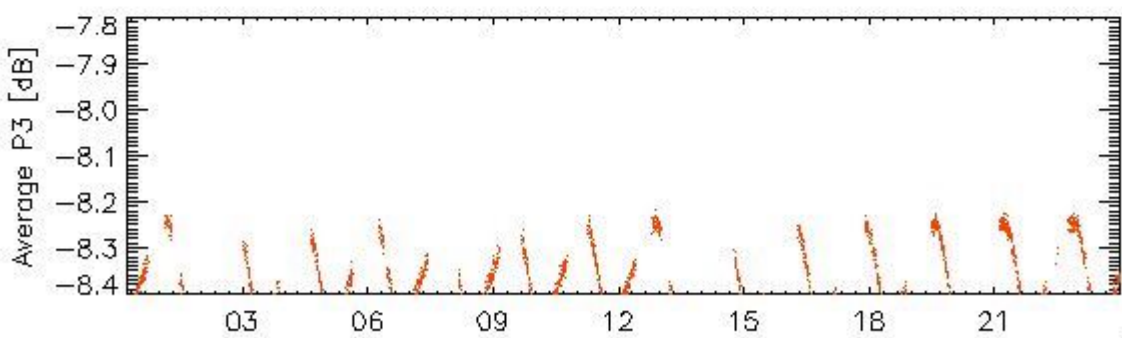
22-Jul



22-Jul



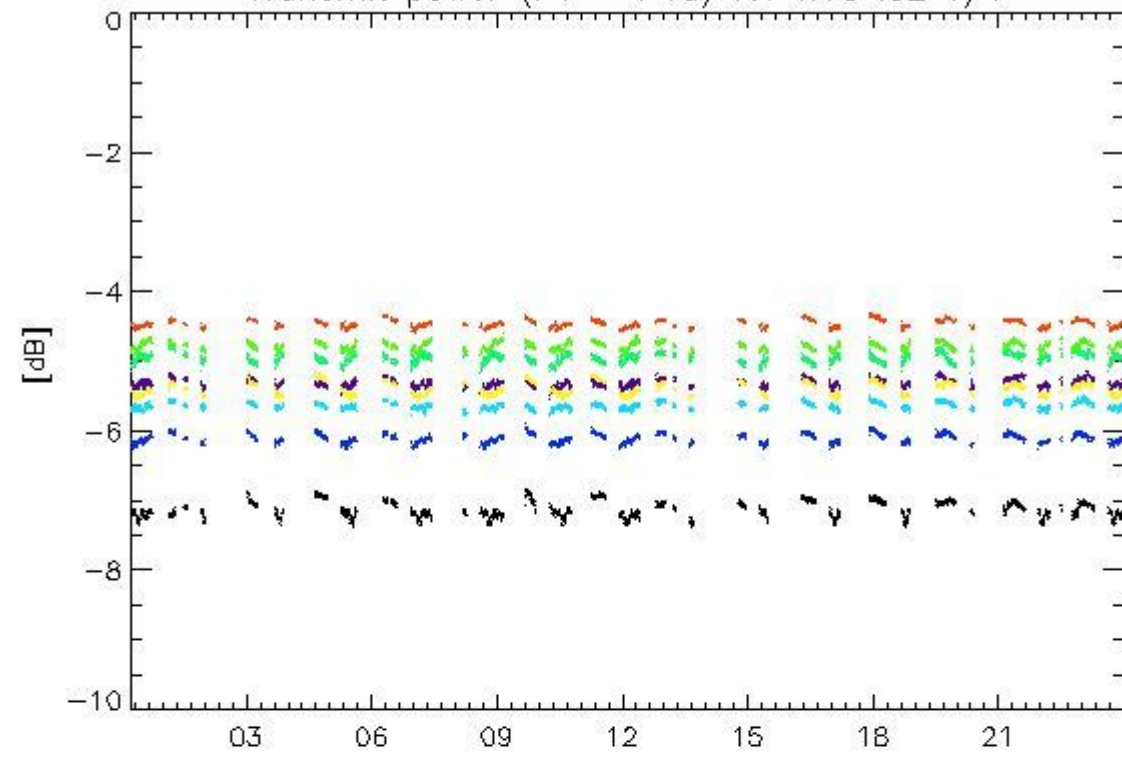
22-Jul



22-Jul

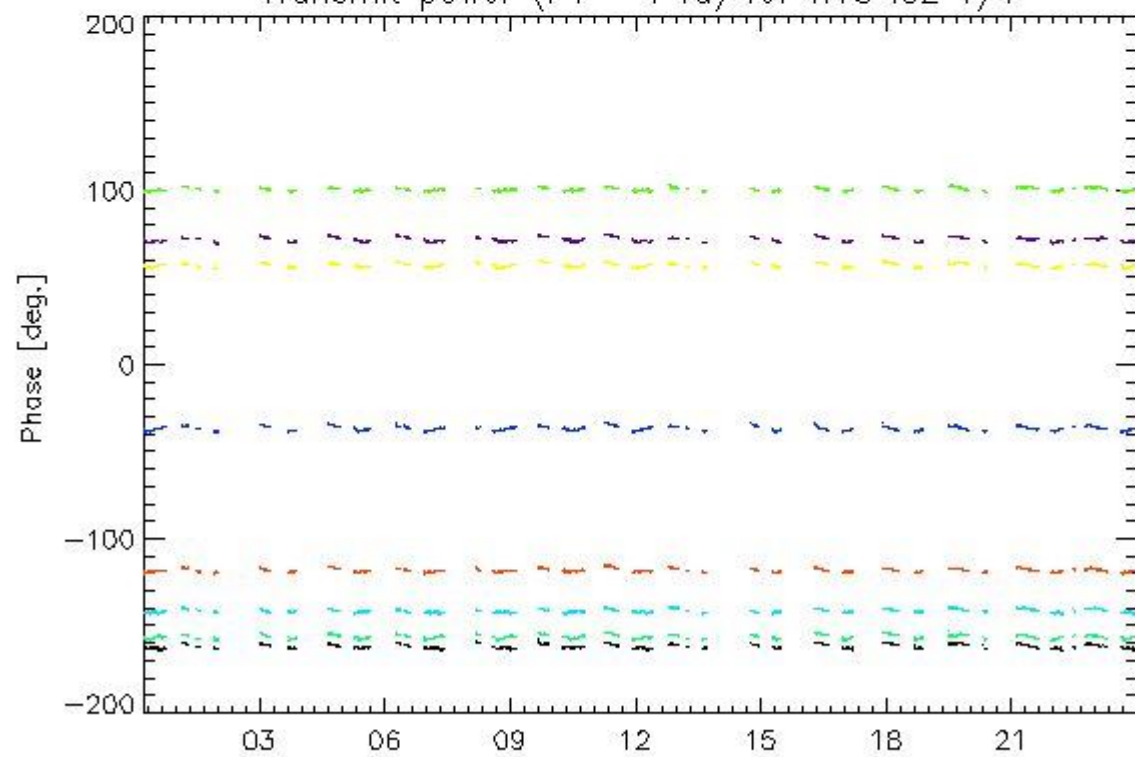
rows: - 1 - 13 - 17 - 21 - 25 - 29 - 5 - 9

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



22-Jul

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

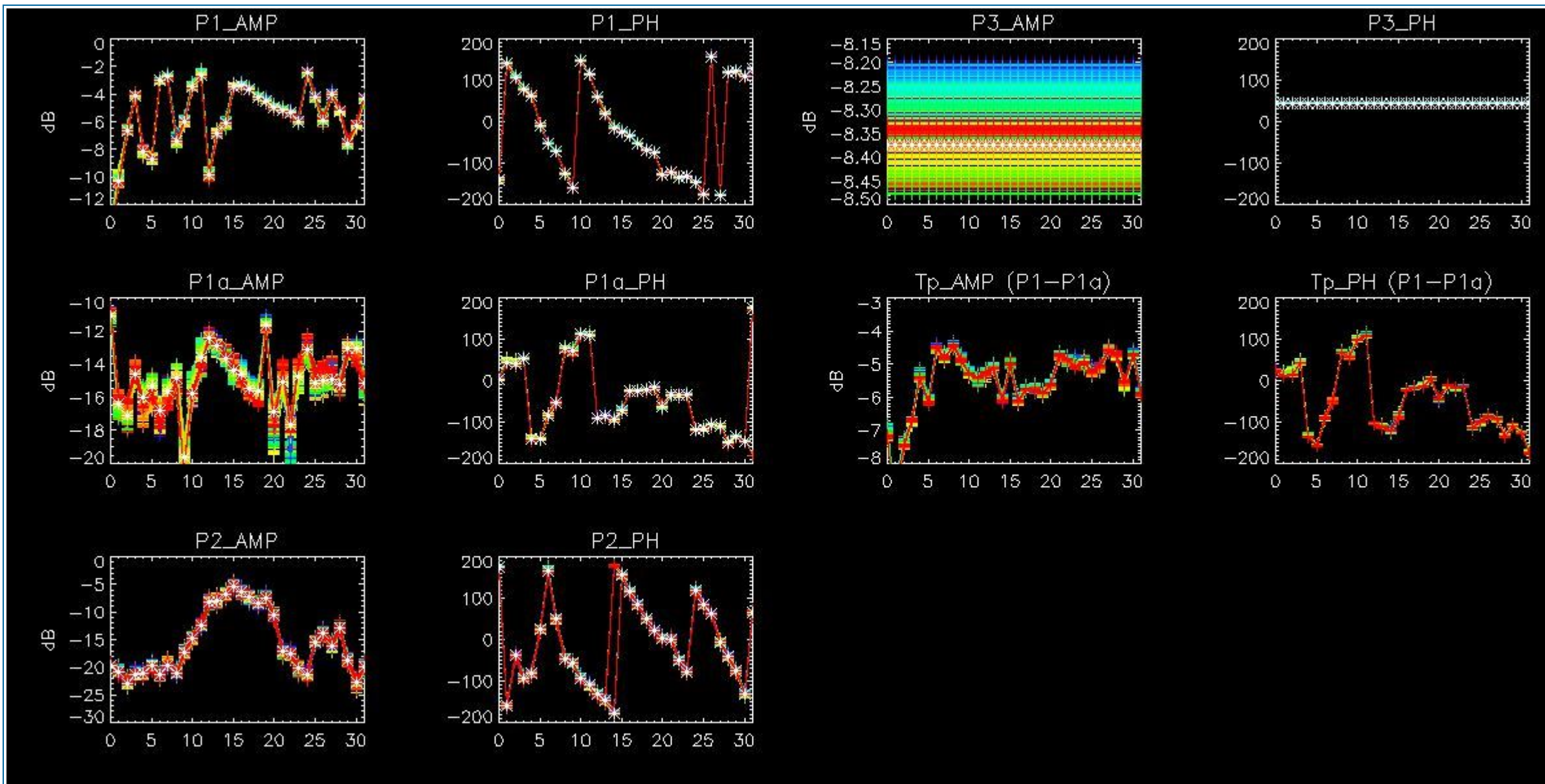


22-Jul

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

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

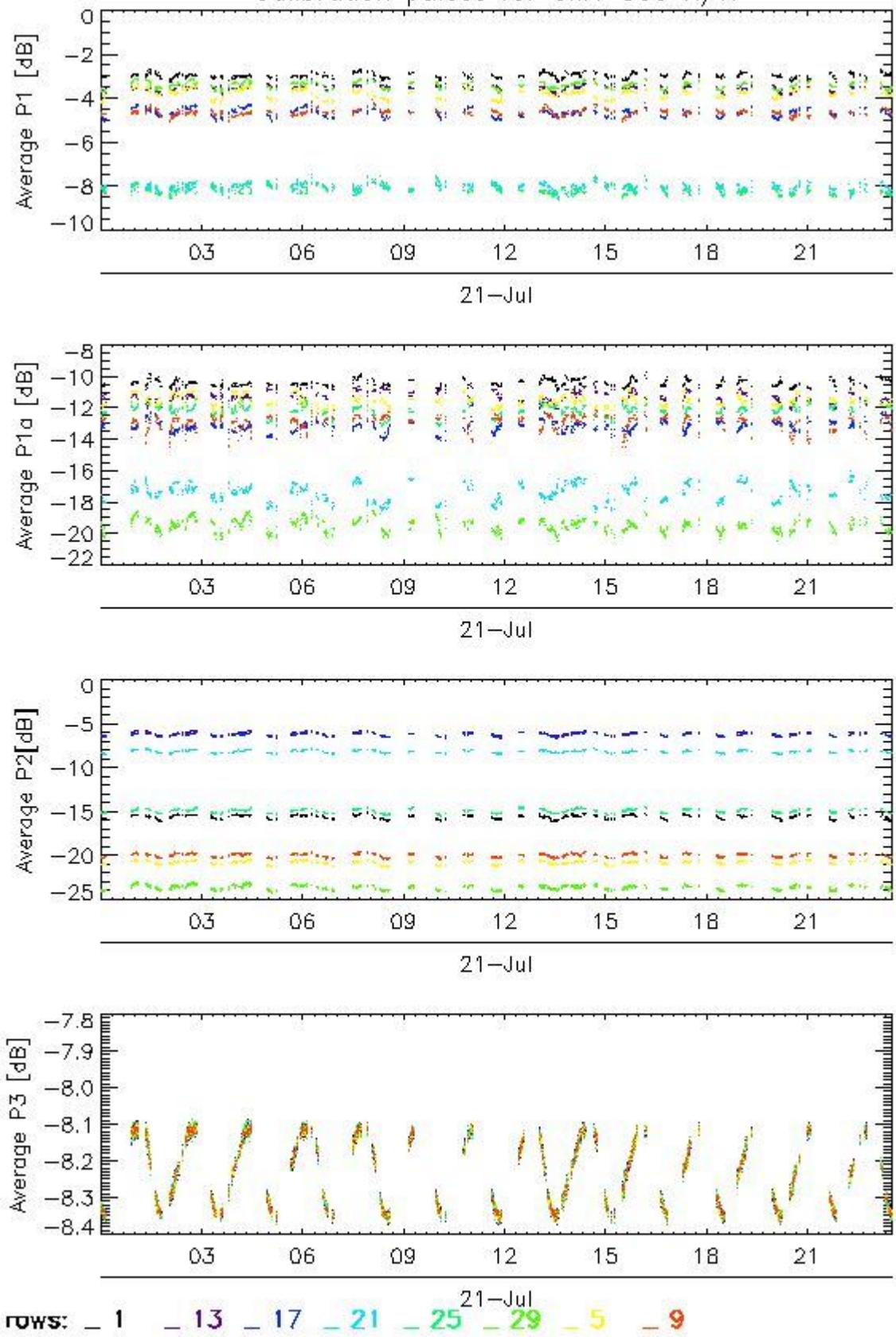
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

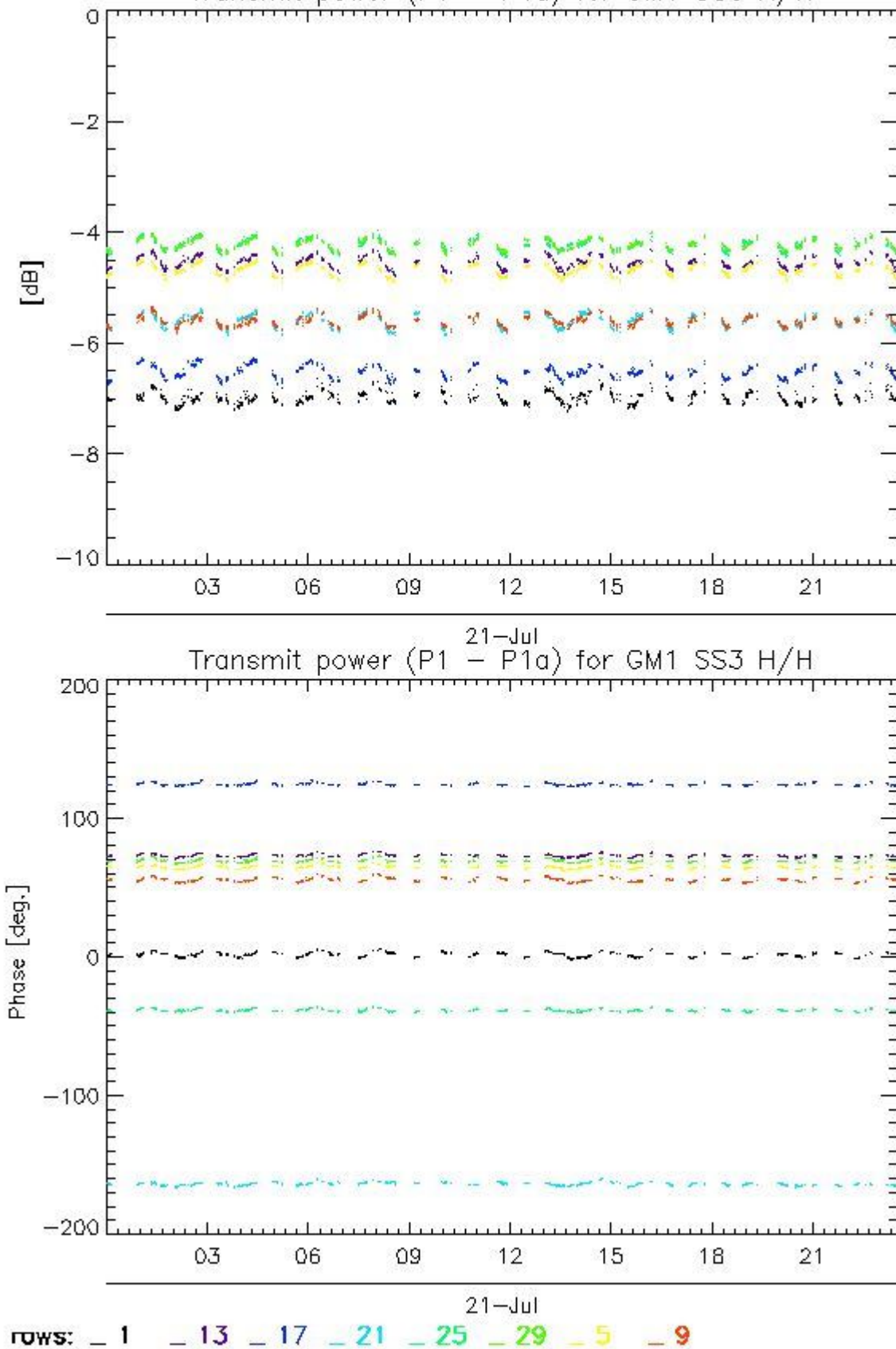
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H

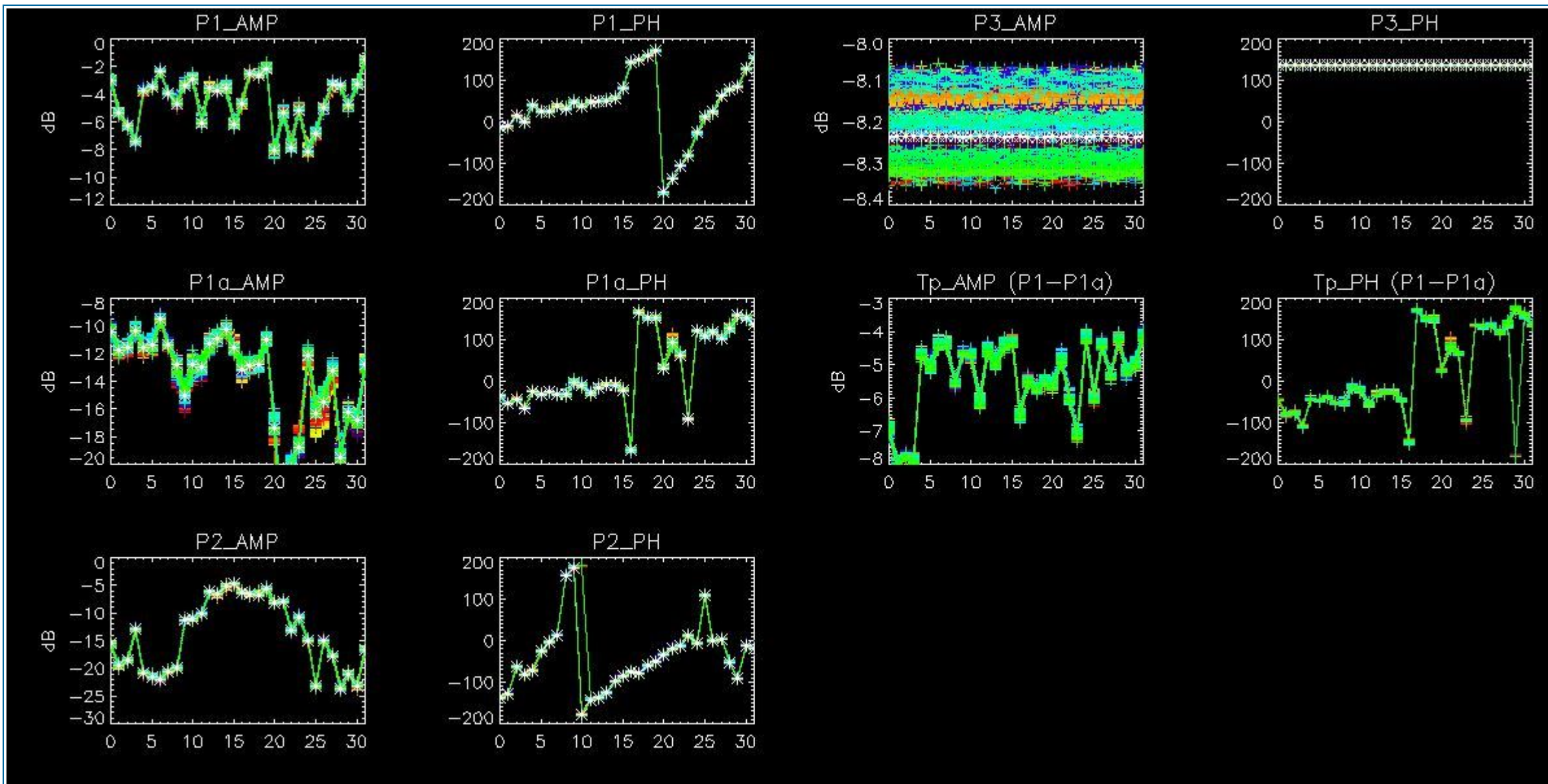


Transmit power (P1 - P1a) for GM1 SS3 H/H



#### 4.2.2 - All Rows Analysis for GM1 SS3 H/H

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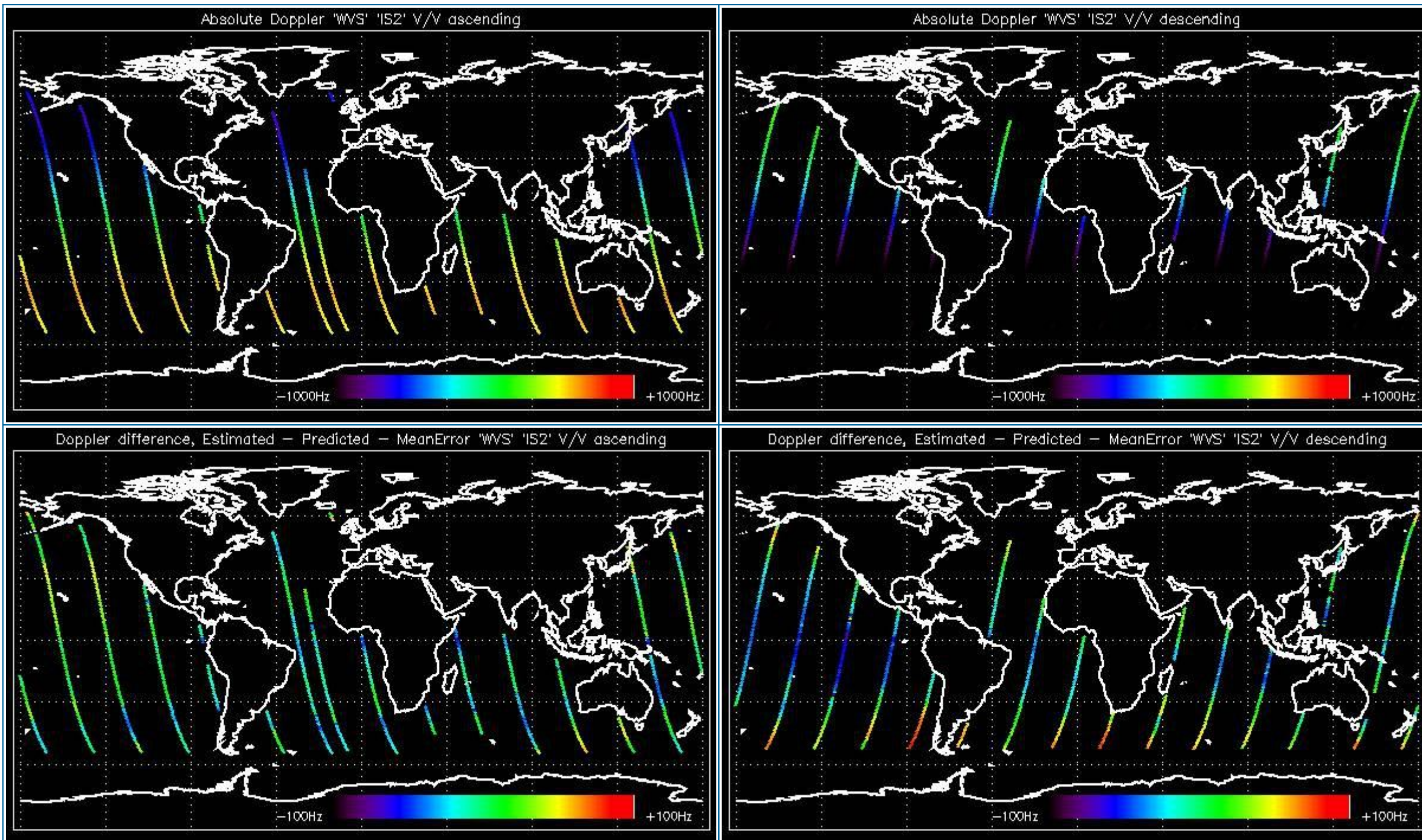
## 5 - DOPPLER ANALYSIS

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

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

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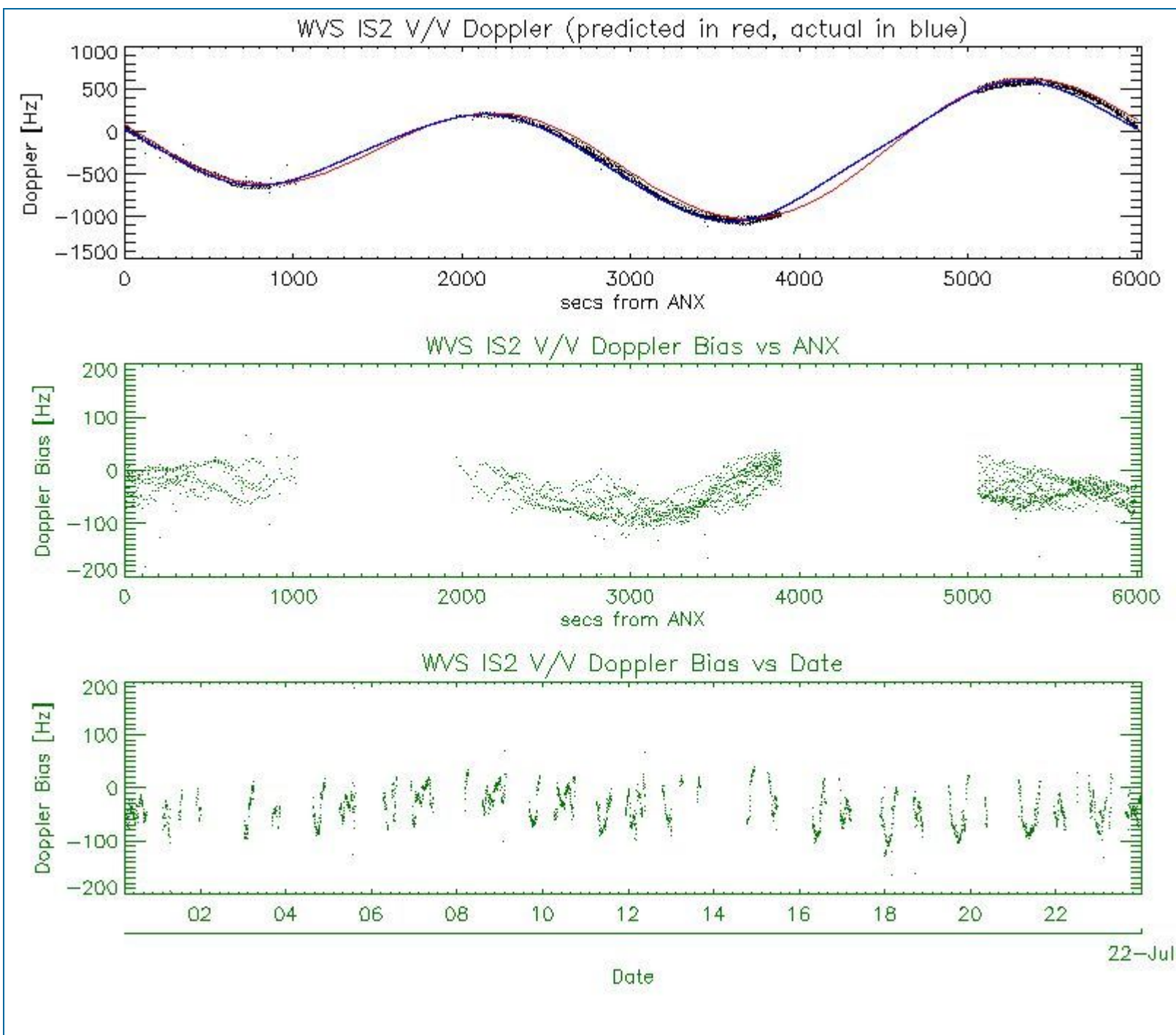




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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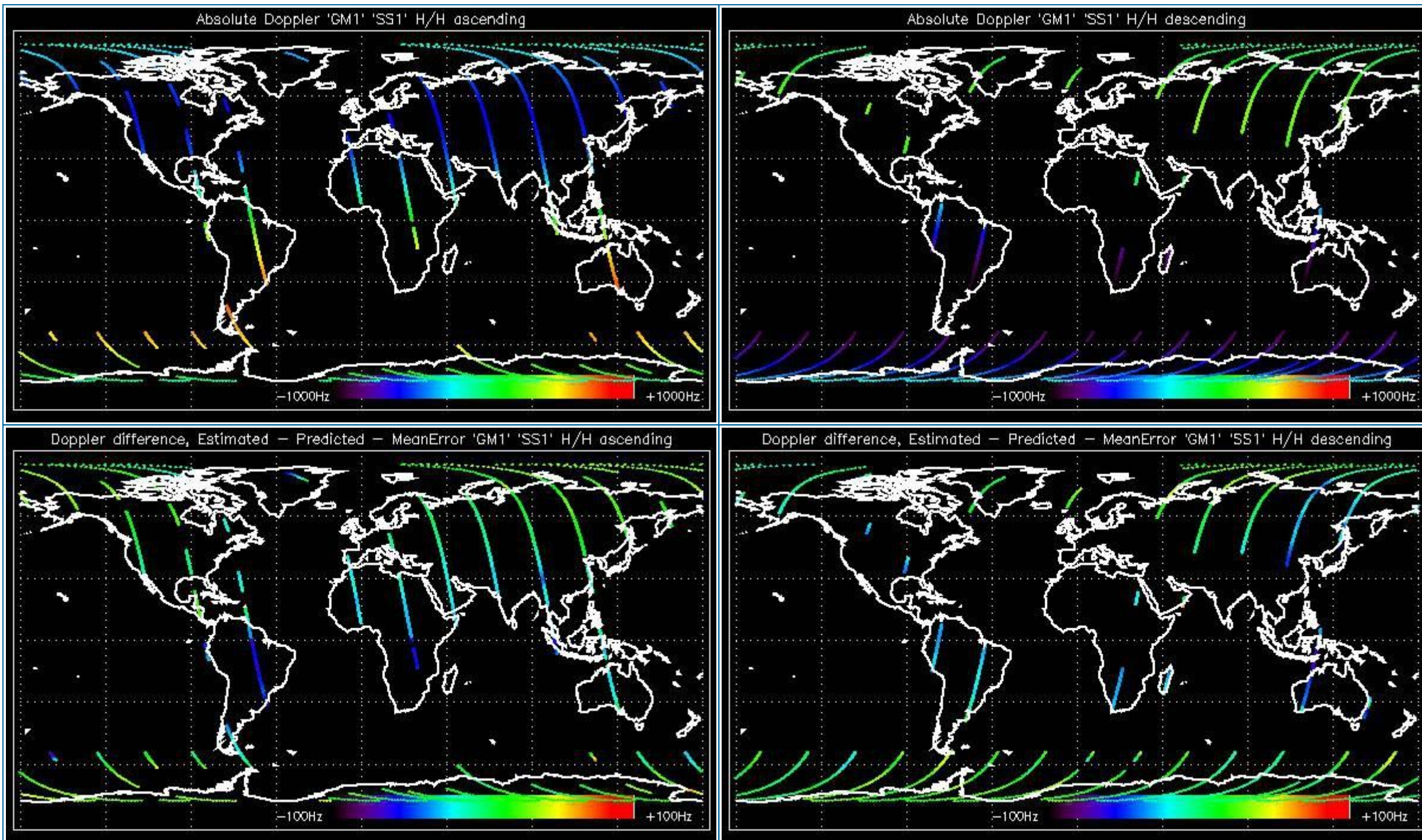


## 5.2 - Analysis for GM1 SS1 H/H

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

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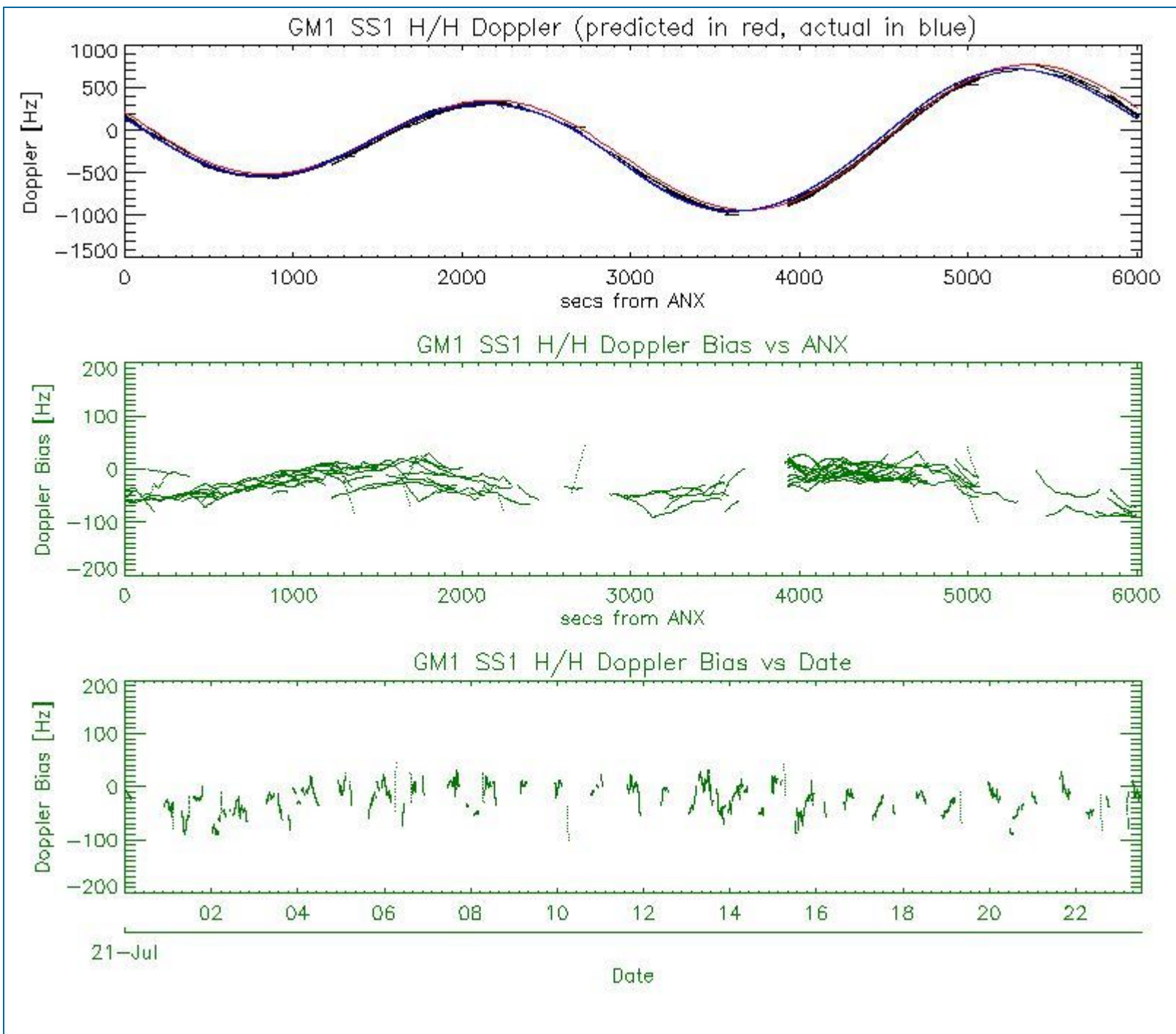




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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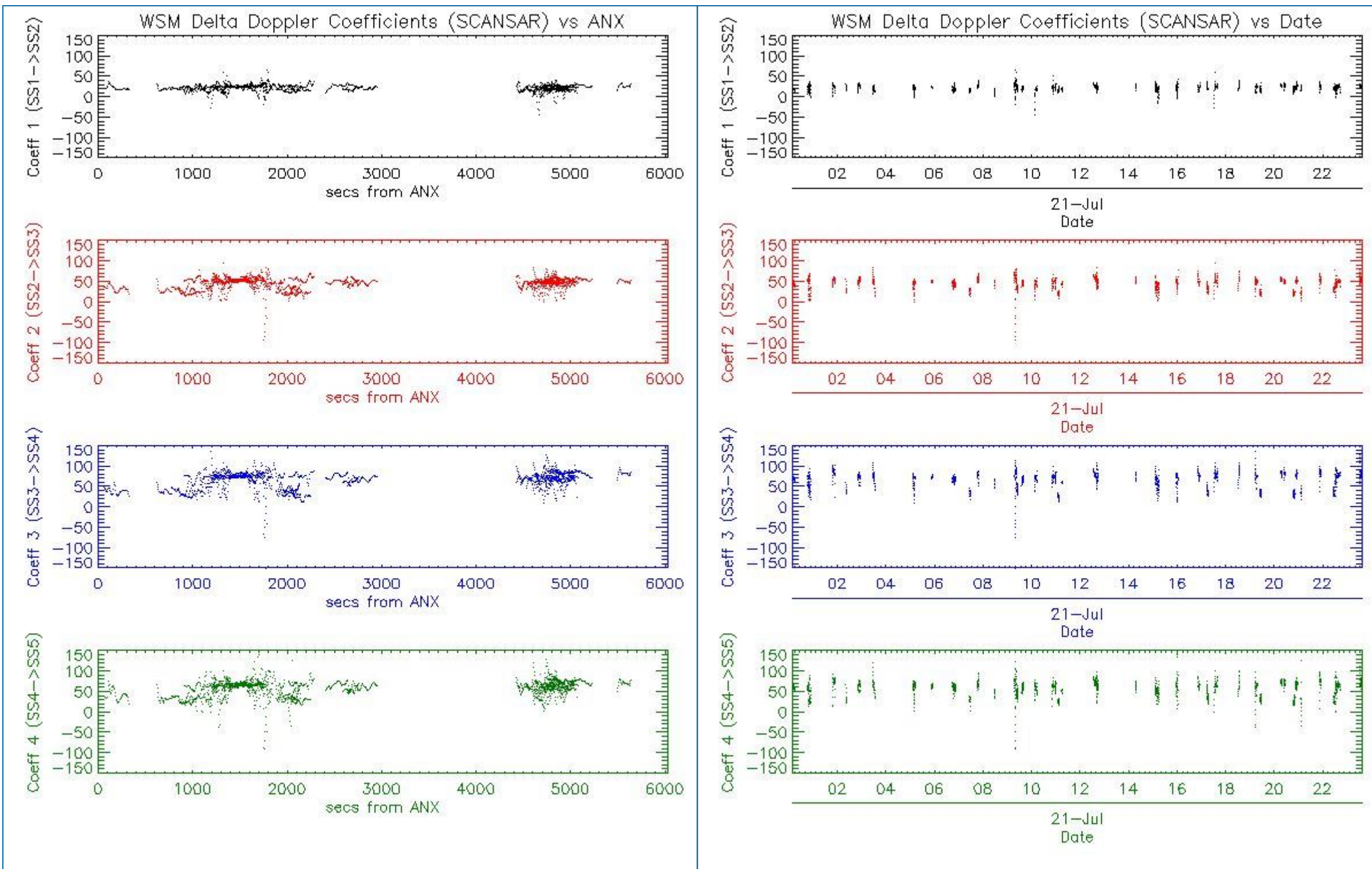




### 5.3 - Doppler JUMPS Analysis for WSM

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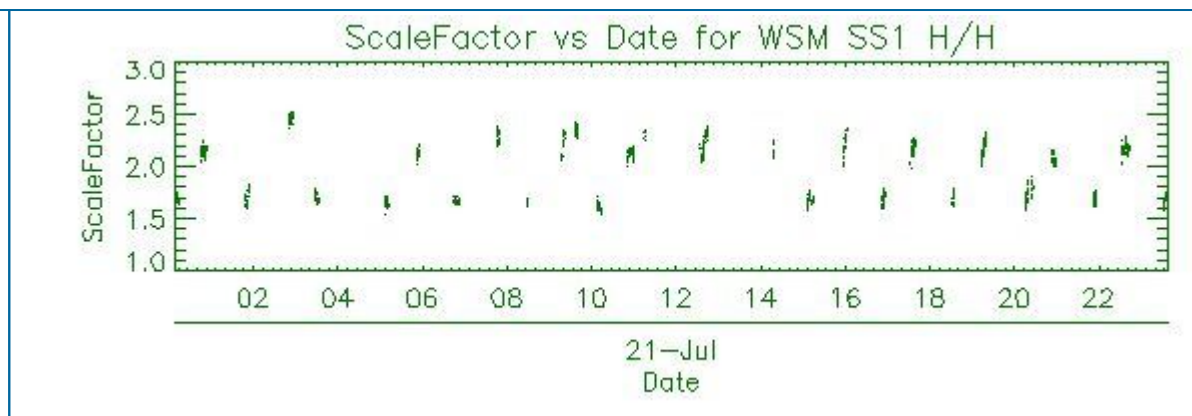
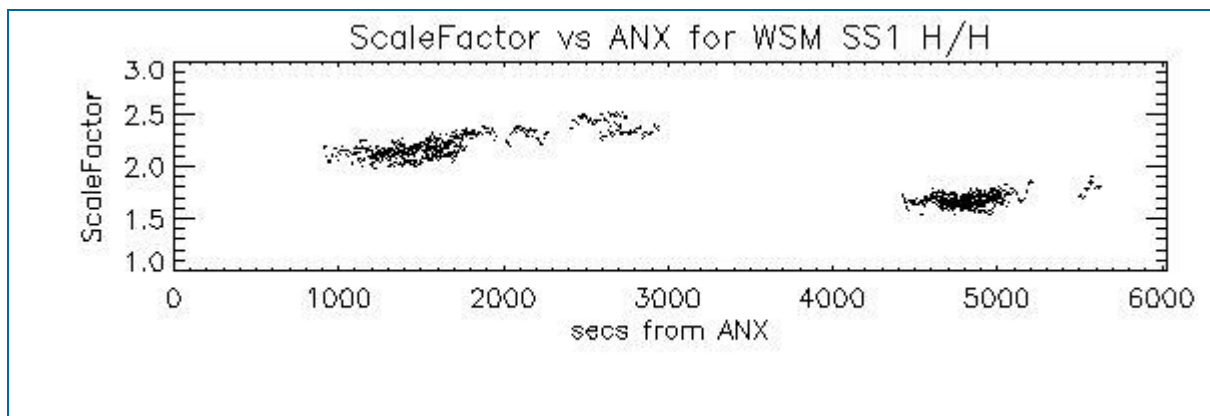
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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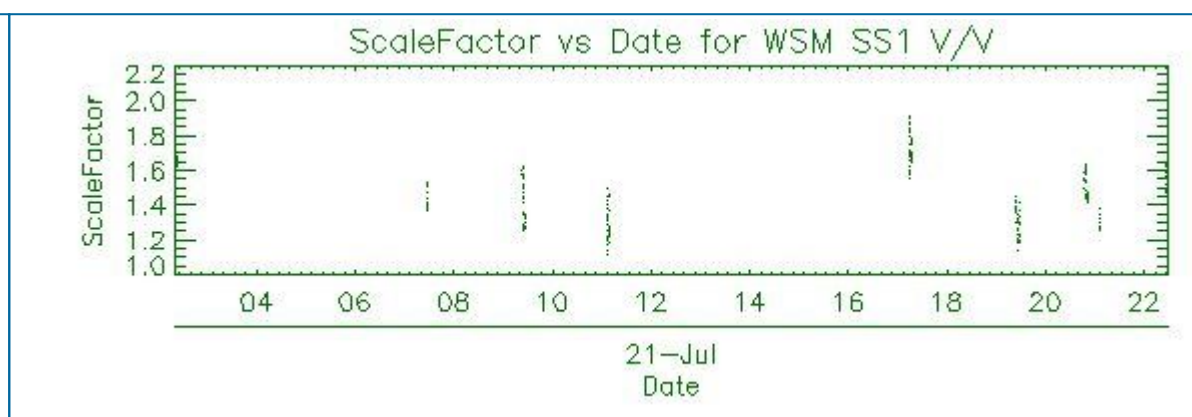
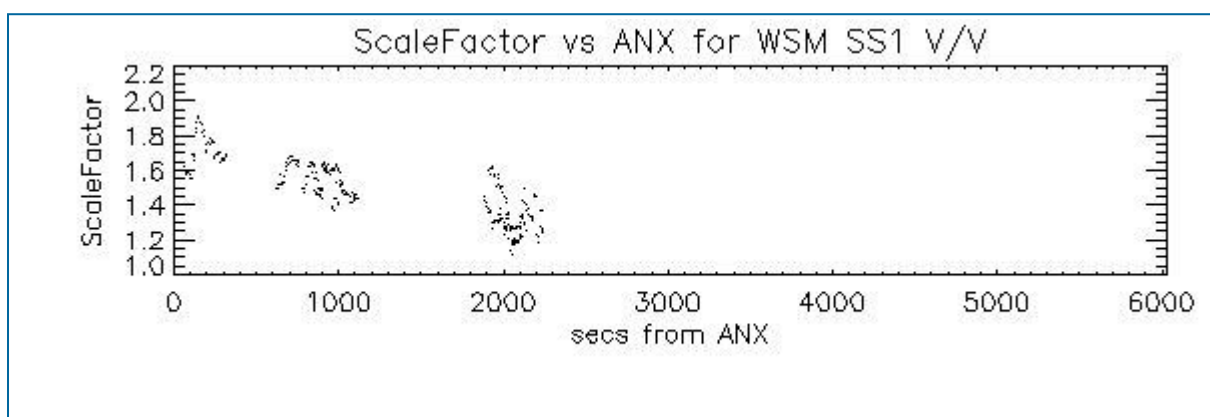




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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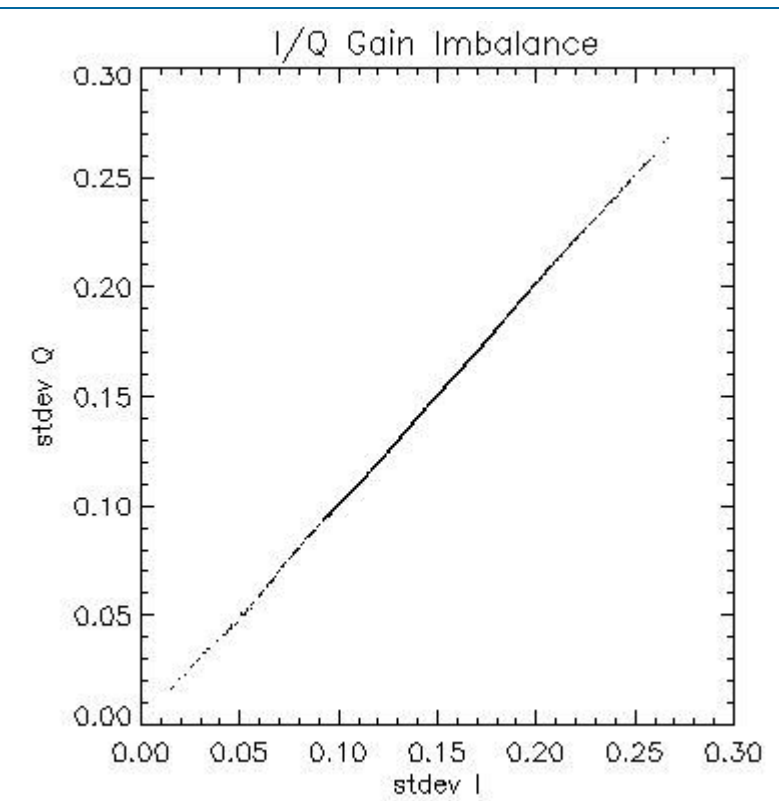
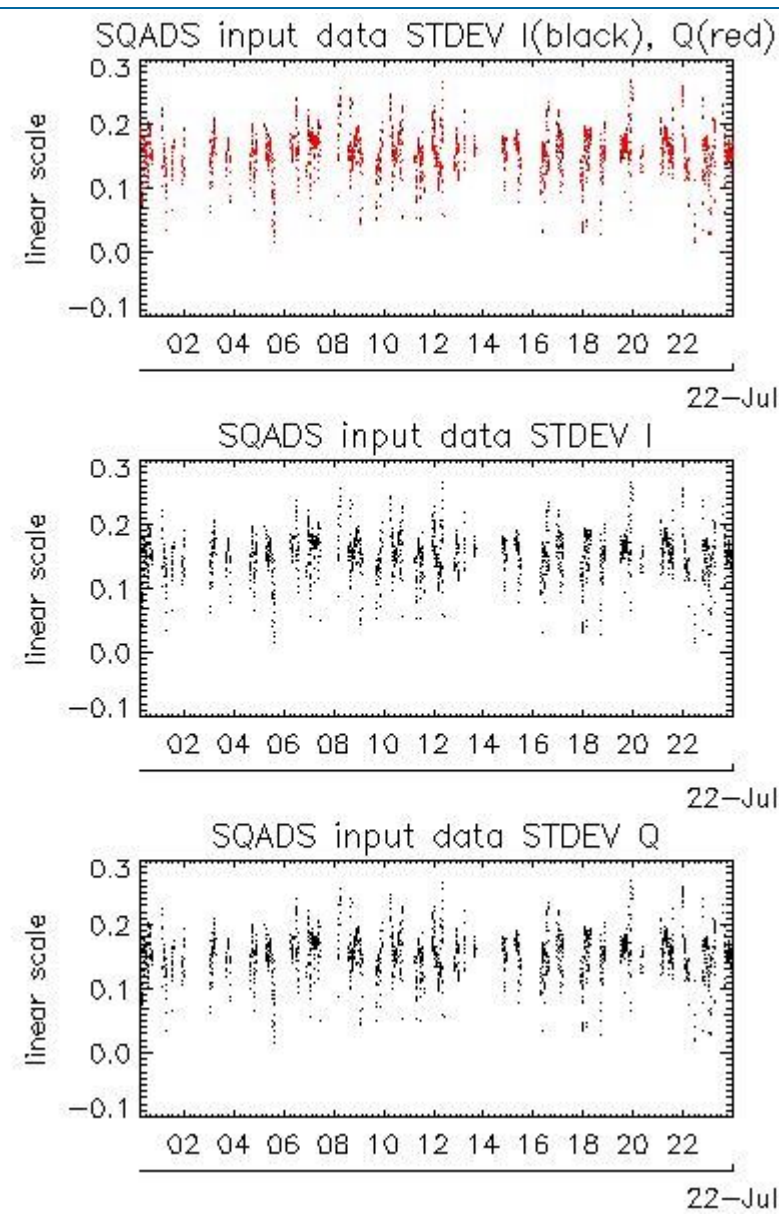
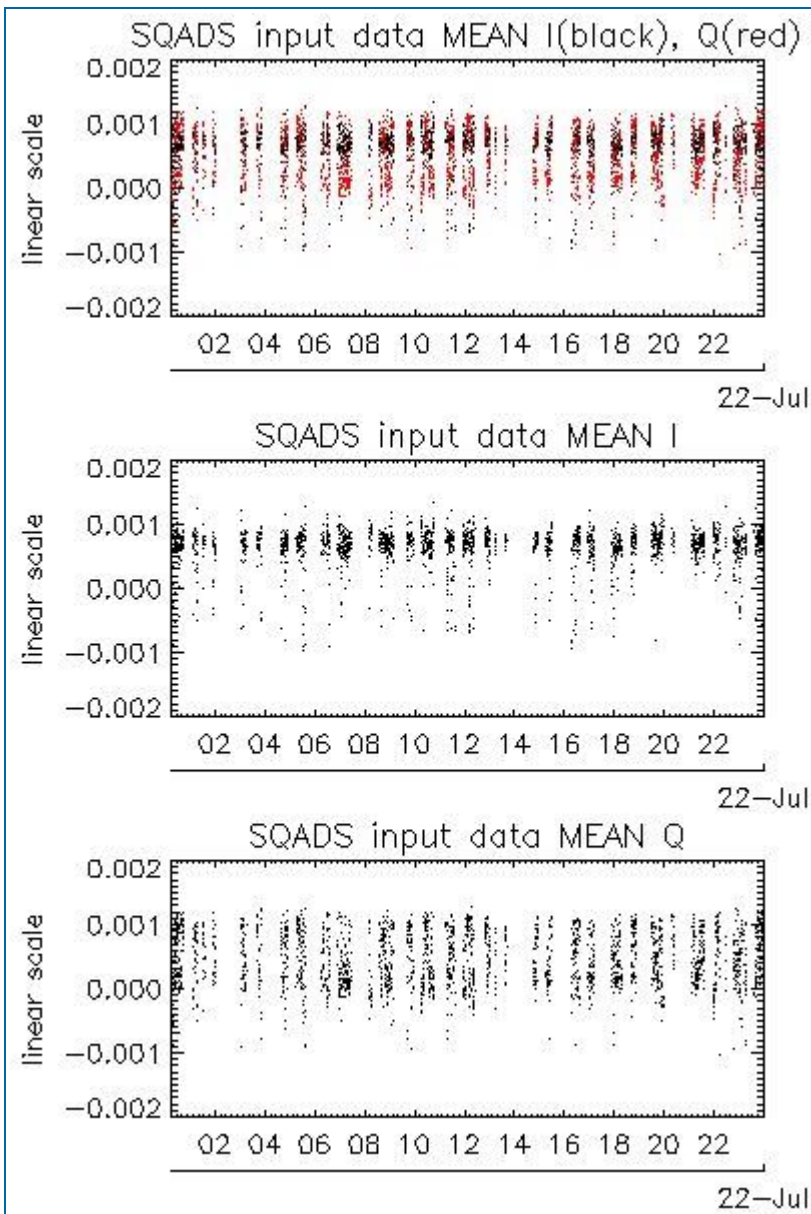
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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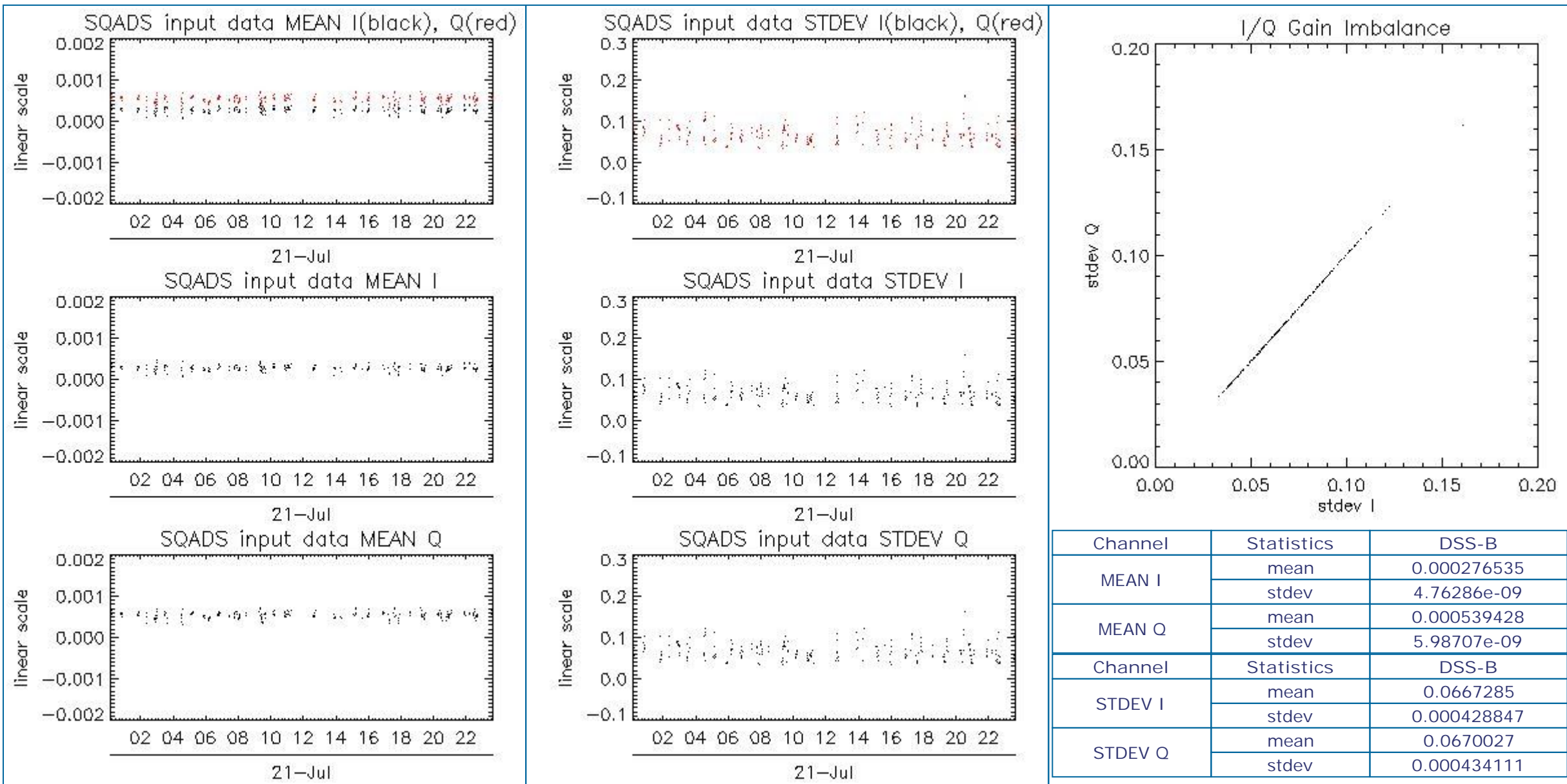


Channel	Statistics	DSS-B
MEAN I	mean	0.000643607
	stdev	9.81681e-08
MEAN Q	mean	0.000471822
	stdev	1.85446e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.152896
	stdev	0.00122217
STDEV Q	mean	0.153461
	stdev	0.00124673

7.2 - Analysis for IMM

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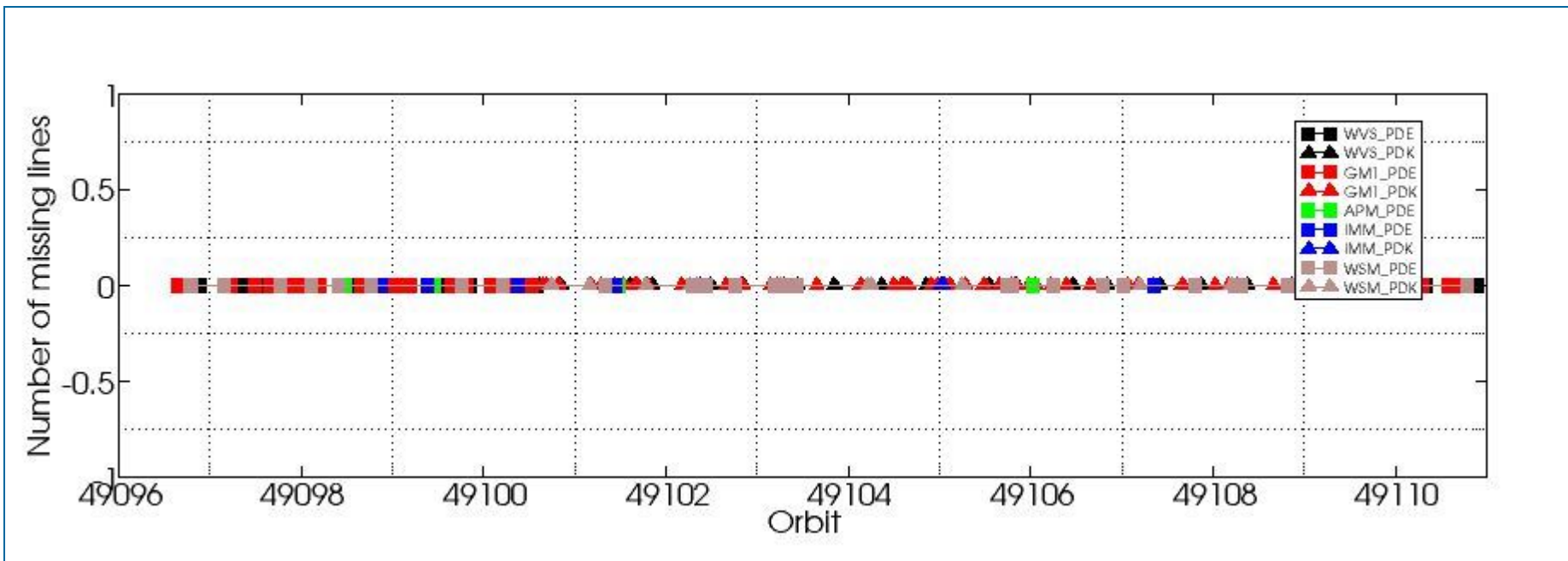


## 8 - TELEMETRY ANALYSIS

### 8.1 - Number of Missing lines

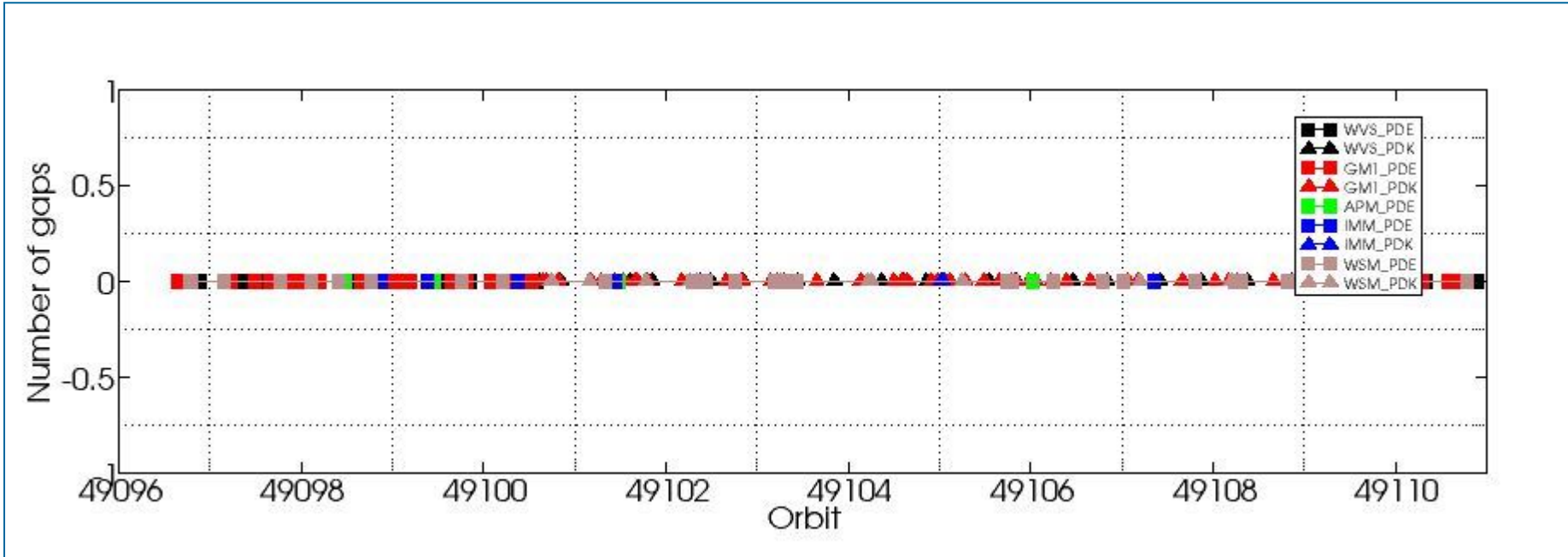
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## 8.2 - Number of Gaps

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```
#####  
ASAR DAILY REPORT for 110721  
#####
```

```
MODE: DAILY  
ANALYSIS: ALL  
DATE: 2011-07-21 00:00:00
```

```
Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/_110721/
```

```
DATA SUMMARY  
#####  
Summary will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/_110721/DATA_SUMMARY
```

```
Creating directory ./RESULTS/DAILY/_110721/DATA_SUMMARY...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/Data_summary.html...
```

```
*****  
Getting WVS products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_WVS_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_WVS_products_used.txt...
```

```
*****  
Getting GM1 products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_GM1_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_GM1_products_used.txt...
```

```
*****  
Getting APM products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_APM_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_APM_products_used.txt...
```

```
*****  
Getting IMM products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_IMM_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_IMM_products_used.txt...
```

```
*****  
Getting WSM products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_WSM_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_WSM_products_used.txt...
```

```
*****  
Getting MS products list from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_MS_products_used.xls...  
Writing file ./RESULTS/DAILY/_110721/DATA_SUMMARY/List_MS_products_used.txt...
```

```
DATA SUMMARY completed  
#####
```

```
AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/_110721/AUXILIARY
```

```
Creating directory ./RESULTS/DAILY/_110721/AUXILIARY...
```

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



ADF filter 20110721\*current\_3\_IECF\_ADFs.txt  
 Found list 20110721\_030000\_current\_3\_IECF\_ADFs.txt...  
 Extracting ADFs...

ASA\_CON\_AXVIEC20110526\_075001\_20101027\_215740\_20141231\_000000  
 ASA\_INS\_AXVIEC20110124\_114858\_20101228\_112000\_20141231\_235959  
 ASA\_XCH\_AXVIEC20101222\_143057\_20020301\_000000\_20141231\_000000  
 ASA\_XCA\_AXVIEC20110526\_075734\_20101027\_215740\_20141231\_000000

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
 Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_WVS.xls...  
 Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20110721_001418_000003453104_00375_49096_9453.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_001918_000015143104_00375_49096_9473.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_010739_000006263104_00376_49097_9477.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_013014_000002853104_00376_49097_9476.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_015440_000000753104_00376_49097_9478.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_015510_000003153104_00376_49097_9491.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_030140_000004793104_00377_49098_9495.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_030925_000003453104_00377_49098_9522.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_034050_000003593104_00377_49098_9527.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_035001_000001343104_00377_49098_9540.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_043832_000008093104_00378_49099_9539.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_045147_000002253104_00378_49099_9569.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_051509_000013643104_00378_49099_9580.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_061629_000004193104_00379_49100_9577.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_062822_000001943104_00379_49100_9576.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_210720_000018293104_00388_49109_9772.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_215720_000002403104_00388_49109_9778.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_220035_000007643104_00388_49109_9801.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_222911_000000593104_00389_49110_9803.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_224600_000014543104_00389_49110_9807.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_231403_000002403104_00389_49110_9810.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_233758_000002843104_00389_49110_9811.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110721_234158_000015743104_00389_49110_9836.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_063121_000002553104_00379_49100_3661.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_065523_000018593104_00379_49100_3668.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_081050_000003003104_00380_49101_3697.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_083537_000019643104_00380_49101_3700.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_094048_000009143104_00381_49102_3734.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_101551_000017993104_00381_49102_3738.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_111558_000012293104_00382_49103_3755.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_115605_000016793104_00382_49103_3758.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_124819_000007793104_00383_49104_3792.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_131309_000001953104_00383_49104_3795.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_133619_000002853104_00383_49104_3801.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_144631_000006153104_00384_49105_3832.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_151633_000007643104_00384_49105_3837.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_161805_000011393104_00385_49106_3861.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_165638_000009743104_00385_49106_3863.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_175351_000014093104_00386_49107_3890.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_183941_000008393104_00386_49107_3892.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_193005_000016493104_00387_49108_3905.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110721_201951_000002253104_00387_49108_3910.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_GM1.xls...



```
ASA_GM1_1PNPDK20110721_173037_000000963104_00386_49107_3888.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_174641_000000843104_00386_49107_3889.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_181801_0000008403104_00386_49107_3891.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_185419_0000009793104_00387_49108_3893.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_185419_0000009793104_00387_49108_3894.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_190930_000001873104_00387_49108_3903.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_191955_000000663104_00387_49108_3904.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_195815_000010213104_00387_49108_3906.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_202845_000001753104_00387_49108_3907.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_203230_000005493104_00387_49108_3908.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20110721_204459_000001263104_00388_49109_3909.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

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Analysing APM products...

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_APM.xls...  
Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_APM.txt...

```
ASA_APM_1PNPDE20110721_025652_000000863104_00377_49098_9488.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_025933_000001223104_00377_49098_9489.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_043709_000000563104_00378_49099_9520.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_075931_000003073104_00380_49101_9630.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_153517_000000563104_00385_49106_9744.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_202743_000000433104_00387_49108_9767.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9781.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9800.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

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Analysing IMM products...

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_IMM.xls...  
Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_IMM.txt...

```
ASA_IMM_1PNPDE20110721_033837_000001223104_00377_49098_9529.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_042853_000004213104_00378_49099_9519.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_060902_000003463104_00379_49100_9565.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_075626_000001083104_00380_49101_9628.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_092854_000000373104_00381_49102_9660.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_174807_000003383104_00386_49107_9756.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110721_203142_000000373104_00387_49108_9769.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20110721_092801_000000373104_00381_49102_3714.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20110721_135304_000000573104_00384_49105_3790.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20110721_135406_000001033104_00384_49105_3794.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20110721_135601_000000633104_00384_49105_3800.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

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Analysing WSM products...

Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_WSM.xls...  
Writing file ./RESULTS/DAILY/\_110721/AUXILIARY/Check\_ADFs\_WSM.txt...

```
ASA_WSM_1PNPDE20110721_000839_000003303104_00375_49096_9445.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_004519_000004893104_00376_49097_9471.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_014809_000003923104_00376_49097_9472.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_022043_000001593104_00377_49098_9490.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_025033_000003553104_00377_49098_9487.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_032709_000003123104_00377_49098_9524.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_050609_000003923104_00378_49099_9560.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_055218_000002083104_00379_49100_9561.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_074439_000002753104_00380_49101_9625.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_092030_000000983104_00381_49102_9654.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_092303_000002323104_00381_49102_9658.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

ASA_WSM_1PNPDE20110721_093522_000003123104_00381_49102_9661.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_100754_000003923104_00381_49102_9697.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_105007_000002513104_00382_49103_9696.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_110539_000002143104_00382_49103_9681.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_111437_000000733104_00382_49103_9686.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_150547_000002453104_00384_49105_9742.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_151141_000002143104_00384_49105_9743.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_155645_000003303104_00385_49106_9746.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_165146_000002753104_00385_49106_9745.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_171333_000002693104_00386_49107_9747.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_183203_000001533104_00386_49107_9754.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_191657_000001713104_00387_49108_9762.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_192405_000002693104_00387_49108_9764.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_201519_000002753104_00387_49108_9765.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_202417_000001533104_00387_49108_9766.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_205319_000003303104_00388_49109_9773.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_210550_000000923104_00388_49109_9780.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_215150_000003003104_00388_49109_9768.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_222609_000001843104_00389_49110_9792.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_222609_000001843104_00389_49110_9799.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_223605_000004223104_00389_49110_9818.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110721_233127_000003923104_00389_49110_9804.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_064437_000004893104_00379_49100_3674.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_072701_000000923104_00380_49101_3675.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_082817_000001103104_00380_49101_3708.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_091743_000002513104_00381_49102_3710.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_092520_000000923104_00381_49102_3711.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_105704_000002263104_00382_49103_3746.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_123401_000001473104_00383_49104_3756.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_123712_000004533104_00383_49104_3776.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_141706_000001533104_00384_49105_3811.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_173222_000004283104_00386_49107_3872.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_191238_000002943104_00387_49108_3902.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_204710_000002883104_00388_49109_3918.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20110721_223105_000002083104_00389_49110_3943.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110721/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_110721/MODULE\_STEPPING...  
Creating directory ./RESULTS/DAILY/\_110721/MODULE\_STEPPING/FIRST\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_110721/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/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1  
Test product: ASA\_MS\_0PNPDK20110721\_063751\_000000163104\_00379\_49100\_0690.N1  
H  
H  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20110721\_063751-20010209\_135042.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20110721\_063751-20010209\_135042.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20110721\_063751-20010209\_135042.png



../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20110721\_063751-20010209\_135042.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1  
Test product: ASA\_MS\_\_0PNPDK20110721\_081805\_000000163104\_00380\_49101\_0691.N1

V  
V

../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20110721\_081805-20010209\_140823.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20110721\_081805-20010209\_140823.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20110721\_081805-20010209\_140823.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20110721\_081805-20010209\_140823.png

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Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20110720\_071435\_000000163104\_00365\_49086\_0688.N1  
Test product: ASA\_MS\_\_0PNPDK20110721\_063751\_000000163104\_00379\_49100\_0690.N1

H  
H

../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20110721\_063751-20110720\_071435.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20110721\_063751-20110720\_071435.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20110721\_063751-20110720\_071435.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20110721\_063751-20110720\_071435.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20110720\_085449\_000000163104\_00366\_49087\_0689.N1  
Test product: ASA\_MS\_\_0PNPDK20110721\_081805\_000000163104\_00380\_49101\_0691.N1

V  
V

../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20110721\_081805-20110720\_085449.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20110721\_081805-20110720\_085449.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20110721\_081805-20110720\_085449.png  
../../RESULTS/DAILY/\_110721/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20110721\_081805-20110720\_085449.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES...

\*\*\*\*\*  
\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59

Analysing products WVS IS2 V/V  
Writing image ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
Writing image ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
TEMPORAL EVOLUTION Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59

Analysing products WVS IS2 V/V  
Getting calibration pulses data for WVS IS2 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-21\_1.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-21\_2.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-21\_3.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-21\_4.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
Writing ../../RESULTS/DAILY/\_110721//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 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-21\_1.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-21\_2.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-21\_3.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-21 00:00:00 to 2011-07-21 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_110721/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-21\_4.dat...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/\_110721//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_110721/DOPPLER...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER ANX Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59

Analysing products WVS IS2 V/V  
Getting doppler data for WVS IS2 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/\_110721/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2011-07-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_110721/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/\_110721/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2011-07-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_110721/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER JUMPS Analysis will be performed on WSM products from 2011-07-21 00:00:00 to 2011-07-21 23:59:59

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...  
Writing file ./RESULTS/DAILY/\_110721/DOPPLER/Doppler\_Jumps\_data\_WSM\_2011-07-21.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_110721/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/\_110721/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59

Analysing products WVS IS2 V/V

1046  
Loading predicted doppler values....  
./PREDICTED\_DOPPLER/doppler.WV\_2  
87.7758  
10.5846  
-66.5771  
-142.520  
-216.086  
-286.172  
-351.735  
-411.816  
-465.557  
-512.209  
-551.146  
-581.874  
-604.040  
-617.434  
-621.993  
-617.804  
-605.099  
-584.252  
-555.770  
-520.289  
-478.560  
-431.434  
-379.856  
-324.838  
-267.455  
-208.814  
-150.050  
-92.2908  
-36.6568  
15.7690  
63.9616  
106.958  
143.888  
173.973  
196.555  
211.098  
217.196  
214.587  
203.150  
182.918  
154.068

116.919  
71.9387  
19.7218  
-39.0043  
-103.408  
-172.552  
-245.410  
-320.887  
-397.839  
-475.084  
-551.423  
-625.659  
-696.616  
-763.167  
-824.227  
-878.795  
-925.960  
-964.912  
-994.961  
-1015.54  
-1026.24  
-1026.75  
-1016.96  
-996.863  
-966.640  
-926.597  
-877.190  
-819.014  
-752.784  
-679.341  
-599.625  
-514.669  
-425.588  
-333.549  
-239.763  
-145.472  
-51.9192  
39.6591  
128.055  
212.107  
290.720  
362.878  
427.653  
484.231  
531.914  
570.135  
598.464  
616.615  
624.452  
621.987  
609.384  
586.949  
555.141  
514.541  
465.868  
409.943  
347.705  
280.167  
208.420  
133.607  
87.7758

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -46.773842 Hz

Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

```
1150
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.WV_2
 87.7758
 10.5846
-66.5771
-142.520
-216.086
-286.172
-351.735
-411.816
-465.557
-512.209
-551.146
-581.874
-604.040
-617.434
-621.993
-617.804
-605.099
-584.252
-555.770
-520.289
-478.560
-431.434
-379.856
-324.838
-267.455
-208.814
-150.050
-92.2908
-36.6568
 15.7690
 63.9616
 106.958
 143.888
 173.973
 196.555
 211.098
 217.196
 214.587
 203.150
 182.918
 154.068
 116.919
 71.9387
 19.7218
-39.0043
-103.408
-172.552
-245.410
-320.887
-397.839
-475.084
-551.423
-625.659
-696.616
-763.167
-824.227
-878.795
-925.960
-964.912
-994.961
-1015.54
-1026.24
-1026.75
```

-1016.96  
-996.863  
-966.640  
-926.597  
-877.190  
-819.014  
-752.784  
-679.341  
-599.625  
-514.669  
-425.588  
-333.549  
-239.763  
-145.472  
-51.9192  
39.6591  
128.055  
212.107  
290.720  
362.878  
427.653  
484.231  
531.914  
570.135  
598.464  
616.615  
624.452  
621.987  
609.384  
586.949  
555.141  
514.541  
465.868  
409.943  
347.705  
280.167  
208.420  
133.607  
87.7758

Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -31.305183 Hz  
Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...  
Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_asc.jpg...

\*\*\*\*\*

Analysing products GM1 SS1 H/H

2622  
Loading predicted doppler values....  
./PREDICTED\_DOPPLER/doppler.GM\_1  
216.826  
136.479  
56.1549  
-22.9067  
-99.5006  
-172.474  
-240.743  
-303.307  
-359.271  
-407.856  
-448.408  
-480.415  
-503.506  
-517.465

-522.225  
-517.876  
-504.660  
-482.966  
-453.319  
-416.384  
-372.939  
-323.868  
-270.156  
-212.854  
-153.080  
-91.9846  
-30.7489  
29.4535  
87.4579  
142.137  
192.422  
237.312  
275.898  
307.370  
331.039  
346.345  
352.861  
350.313  
338.571  
317.665  
287.775  
249.231  
202.516  
148.246  
87.1750  
20.1678  
-51.8021  
-127.666  
-206.286  
-286.470  
-366.984  
-446.581  
-524.012  
-598.050  
-667.520  
-731.288  
-788.309  
-837.633  
-878.414  
-909.930  
-931.592  
-942.955  
-943.721  
-933.748  
-913.049  
-881.794  
-840.306  
-789.059  
-728.670  
-659.882  
-583.571  
-500.712  
-412.383  
-319.741  
-224.000  
-126.420  
-28.2956  
69.0819  
164.424  
256.474  
344.022  
425.926

501.129  
568.661  
627.675  
677.441  
717.367  
747.001  
766.044  
774.352  
771.933  
758.957  
735.740  
702.757  
660.611  
610.049  
551.927  
487.220  
416.983  
342.352  
264.518  
216.826

Phase: descending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -17.092860 Hz  
Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...  
Writing file ../../RESULTS/DAILY/\_110721//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

2852  
Loading predicted doppler values....  
./PREDICTED\_DOPPLER/doppler.GM\_1

216.826  
136.479  
56.1549  
-22.9067  
-99.5006  
-172.474  
-240.743  
-303.307  
-359.271  
-407.856  
-448.408  
-480.415  
-503.506  
-517.465  
-522.225  
-517.876  
-504.660  
-482.966  
-453.319  
-416.384  
-372.939  
-323.868  
-270.156  
-212.854  
-153.080  
-91.9846  
-30.7489  
29.4535  
87.4579  
142.137  
192.422  
237.312  
275.898  
307.370  
331.039  
346.345



352.861  
350.313  
338.571  
317.665  
287.775  
249.231  
202.516  
148.246  
87.1750  
20.1678  
-51.8021  
-127.666  
-206.286  
-286.470  
-366.984  
-446.581  
-524.012  
-598.050  
-667.520  
-731.288  
-788.309  
-837.633  
-878.414  
-909.930  
-931.592  
-942.955  
-943.721  
-933.748  
-913.049  
-881.794  
-840.306  
-789.059  
-728.670  
-659.882  
-583.571  
-500.712  
-412.383  
-319.741  
-224.000  
-126.420  
-28.2956  
69.0819  
164.424  
256.474  
344.022  
425.926  
501.129  
568.661  
627.675  
677.441  
717.367  
747.001  
766.044  
774.352  
771.933  
758.957  
735.740  
702.757  
660.611  
610.049  
551.927  
487.220  
416.983  
342.352  
264.518  
216.826

Phase: ascending  
Found data...

```
Computing mean error doppler estimated-predicted...
Mean error = -28.386114 Hz
Writing file ../../RESULTS/DAILY/_110721//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110721//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

\*\*\*\*\*

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_110721/CHIRP...
```

\*\*\*\*\*

```
CHIRP Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...
Writing file ./RESULTS/DAILY/_110721/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-07-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110721/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110721/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...
Writing file ./RESULTS/DAILY/_110721/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-07-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110721/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_110721/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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

```
RAW DATA ANALYSIS
#####
Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110721/RAW_DATA
Creating directory ./RESULTS/DAILY/_110721/RAW_DATA...
```

\*\*\*\*\*

```
Getting raw data for WVS from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...
Writing file ./RESULTS/DAILY/_110721/RAW_DATA/Raw_data_WVS_2011-07-21.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_110721/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_110721/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110721/RAW_DATA/Raw_data_WVS_gain_imbalance.png...
```

\*\*\*\*\*

```
Getting raw data for IMM from 2011-07-21 00:00:00 to 2011-07-21 23:59:59...
Writing file ./RESULTS/DAILY/_110721/RAW_DATA/Raw_data_IMM_2011-07-21.dat...
Running IDL program to create graphs...
```



Creating image ../../RESULTS/DAILY/\_110721/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_110721/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_110721/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2011-07-21 00:00:00 to 2011-07-21 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110721/TELEMETRY

Creating directory ./RESULTS/DAILY/\_110721/TELEMETRY...

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

\*\*\*\*\*

Checking 23 products from PDE...  
Checking 19 products from PDK...

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

\*\*\*\*\*

Checking 30 products from PDE...  
Checking 47 products from PDK...

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

\*\*\*\*\*

Checking 8 products from PDE...  
No products from PDK...

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

\*\*\*\*\*

Checking 7 products from PDE...  
Checking 4 products from PDK...

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

\*\*\*\*\*

Checking 33 products from PDE...  
Checking 13 products from PDK...

Creating graph of missing lines and gaps...

\*\*\*\*\*

Creating image: ./RESULTS/DAILY/\_110721/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/\_110721/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed

#####

HTML REPORT generation

#####

Building file ./RESULTS/DAILY/\_110721/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_1PNPDE20110721_025652_000000863104_00377_49098_9488.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_025933_000001223104_00377_49098_9489.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_043709_000000563104_00378_49099_9520.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_075931_000003073104_00380_49101_9630.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_153517_000000563104_00385_49106_9744.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_202743_000000433104_00387_49108_9767.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9781.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9800.N1	OK	OK	OK	OK



ASA_GM1_1PNPDK20110721_171808_000008163104_00386_49107_3864.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_173037_00000963104_00386_49107_3888.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_174641_00000843104_00386_49107_3889.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_181801_000008403104_00386_49107_3891.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_185419_000009793104_00387_49108_3893.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_185419_000009793104_00387_49108_3894.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_190930_000001873104_00387_49108_3903.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_191955_00000663104_00387_49108_3904.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_195815_000010213104_00387_49108_3906.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_202845_000001753104_00387_49108_3907.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_203230_000005493104_00387_49108_3908.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20110721_204459_000001263104_00388_49109_3909.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_1PNPDE20110721_033837_000001223104_00377_49098_9529.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_042853_000004213104_00378_49099_9519.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_060902_000003463104_00379_49100_9565.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_075626_000001083104_00380_49101_9628.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_092854_000000373104_00381_49102_9660.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_174807_000003383104_00386_49107_9756.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20110721_203142_000000373104_00387_49108_9769.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20110721_092801_000000373104_00381_49102_3714.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20110721_135304_000000573104_00384_49105_3790.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20110721_135406_000001033104_00384_49105_3794.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20110721_135601_000000633104_00384_49105_3800.N1	OK	OK	OK	OK

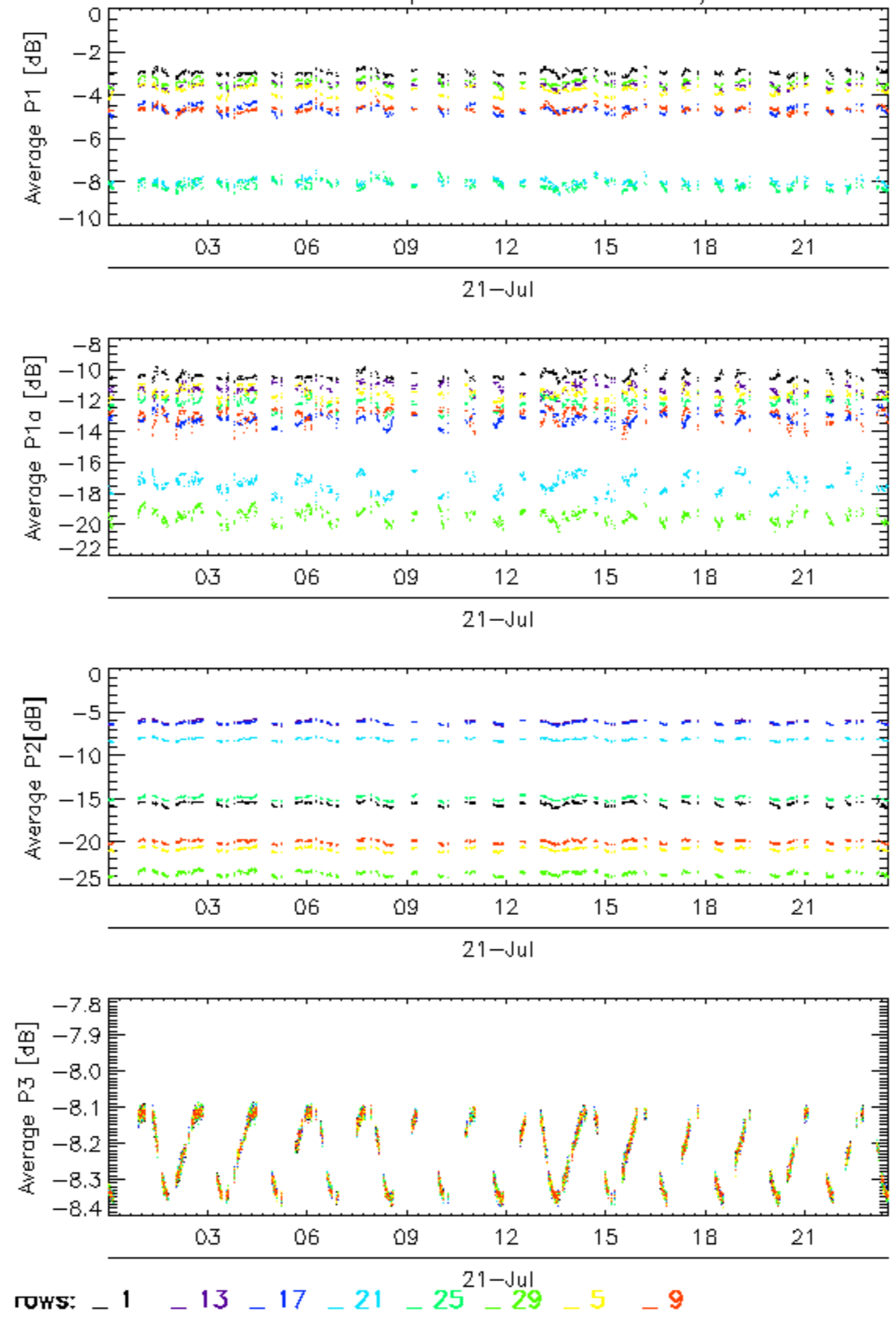
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20110721_000839_000003303104_00375_49096_9445.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_004519_000004893104_00376_49097_9471.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_014809_000003923104_00376_49097_9472.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_022043_000001593104_00377_49098_9490.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_025033_000003553104_00377_49098_9487.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_032709_000003123104_00377_49098_9524.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_050609_000003923104_00378_49099_9560.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_055218_000002083104_00379_49100_9561.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_074439_000002753104_00380_49101_9625.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_092030_000000983104_00381_49102_9654.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_092303_000002323104_00381_49102_9658.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_093522_000003123104_00381_49102_9661.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_100754_000003923104_00381_49102_9697.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_105007_000002513104_00382_49103_9696.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_110539_000002143104_00382_49103_9681.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_111437_000000733104_00382_49103_9686.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_150547_000002453104_00384_49105_9742.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_151141_000002143104_00384_49105_9743.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_155645_000003303104_00385_49106_9746.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_165146_000002753104_00385_49106_9745.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_171333_000002693104_00386_49107_9747.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_183203_000001533104_00386_49107_9754.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_191657_000001713104_00387_49108_9762.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_192405_000002693104_00387_49108_9764.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_201519_000002753104_00387_49108_9765.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_202417_000001533104_00387_49108_9766.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_205319_000003303104_00388_49109_9773.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_210550_000000923104_00388_49109_9780.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_215150_000003003104_00388_49109_9768.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_222609_000001843104_00389_49110_9792.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_222609_000001843104_00389_49110_9799.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_223605_000004223104_00389_49110_9818.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110721_233127_000003923104_00389_49110_9804.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_064437_000004893104_00379_49100_3674.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_072701_000000923104_00380_49101_3675.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_082817_000001103104_00380_49101_3708.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_091743_000002513104_00381_49102_3710.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_092520_000000923104_00381_49102_3711.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_105704_000002263104_00382_49103_3746.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_123401_000001473104_00383_49104_3756.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_123712_000004533104_00383_49104_3776.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_141706_000001533104_00384_49105_3811.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_173222_000004283104_00386_49107_3872.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_191238_000002943104_00387_49108_3902.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_204710_000002883104_00388_49109_3918.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20110721_223105_000002083104_00389_49110_3943.N1					OK	OK	OK	OK

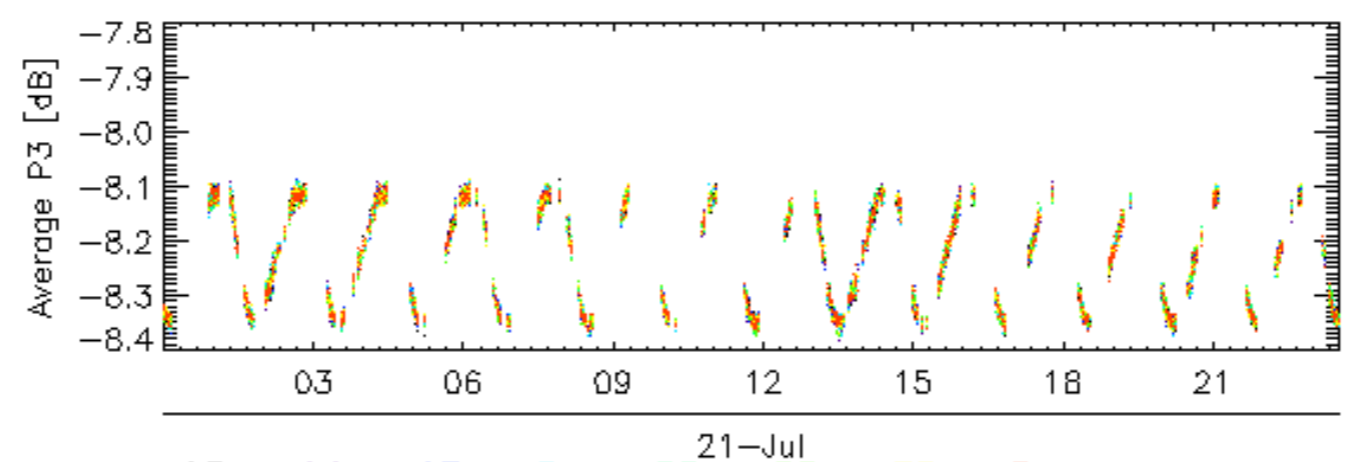
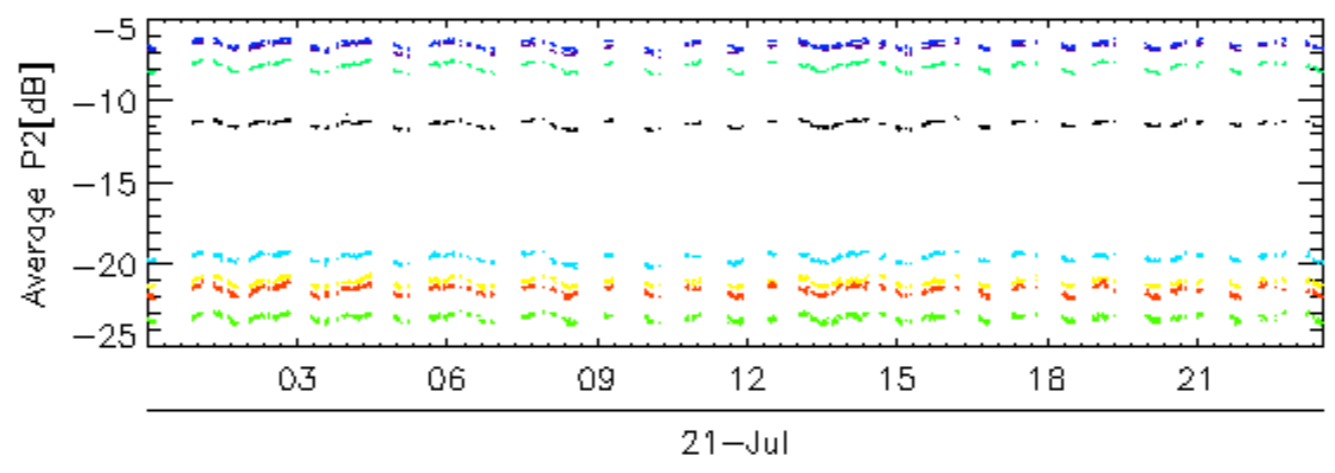
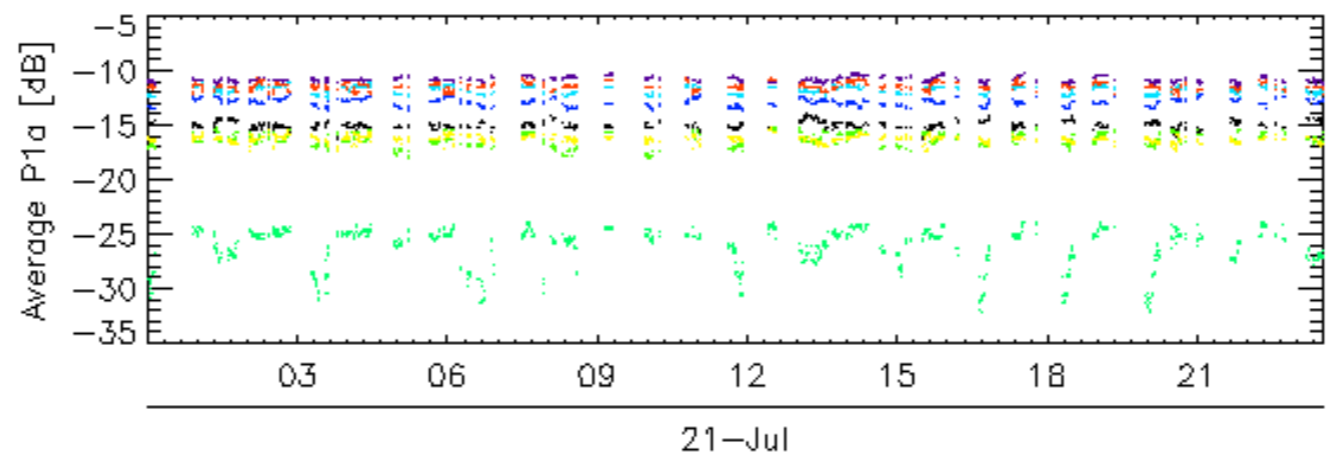
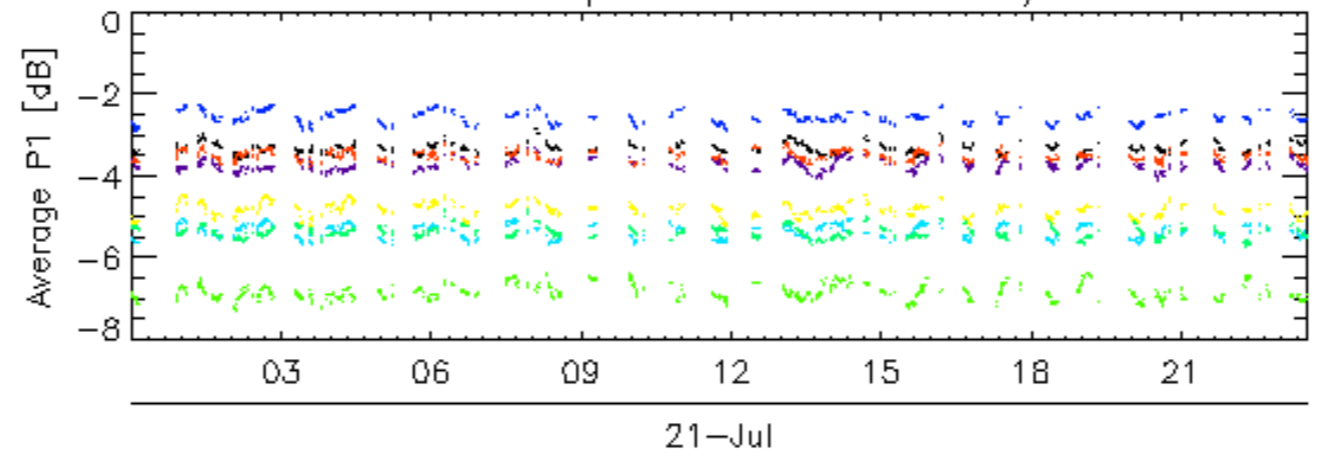
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WVS_1PNPDE20110721_001418_000003453104_00375_49096_9453.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_001918_000015143104_00375_49096_9473.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_010739_000006263104_00376_49097_9477.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_013014_000002853104_00376_49097_9476.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_015440_000000753104_00376_49097_9478.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_015510_000003153104_00376_49097_9491.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_030140_000004793104_00377_49098_9495.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_030925_000003453104_00377_49098_9522.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_034050_000003593104_00377_49098_9527.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_035001_000001343104_00377_49098_9540.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_043832_000008093104_00378_49099_9539.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_045147_000002253104_00378_49099_9569.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_051509_000013643104_00378_49099_9580.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_061629_000004193104_00379_49100_9577.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_062822_000001943104_00379_49100_9576.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_210720_000018293104_00388_49109_9772.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_215720_000002403104_00388_49109_9778.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_220035_000007643104_00388_49109_9801.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_222911_000000593104_00389_49110_9803.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_224600_000014543104_00389_49110_9807.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_231403_000002403104_00389_49110_9810.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_233758_000002843104_00389_49110_9811.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110721_234158_000015743104_00389_49110_9836.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_063121_000002553104_00379_49100_3661.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_065523_000018593104_00379_49100_3668.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_081050_000003003104_00380_49101_3697.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_083537_000019643104_00380_49101_3700.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_094048_000009143104_00381_49102_3734.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_101551_000017993104_00381_49102_3738.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_111558_000012293104_00382_49103_3755.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_115605_000016793104_00382_49103_3758.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_124819_000007793104_00383_49104_3792.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_131309_000001953104_00383_49104_3795.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_133619_000002853104_00383_49104_3801.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_144631_000006153104_00384_49105_3832.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_151633_000007643104_00384_49105_3837.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_161805_000011393104_00385_49106_3861.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_165638_000009743104_00385_49106_3863.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_175351_000014093104_00386_49107_3890.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_183941_000008393104_00386_49107_3892.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_193005_000016493104_00387_49108_3905.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110721_201951_000002253104_00387_49108_3910.N1					OK	OK	OK	OK

### Calibration pulses for GM1 SS3 H/H

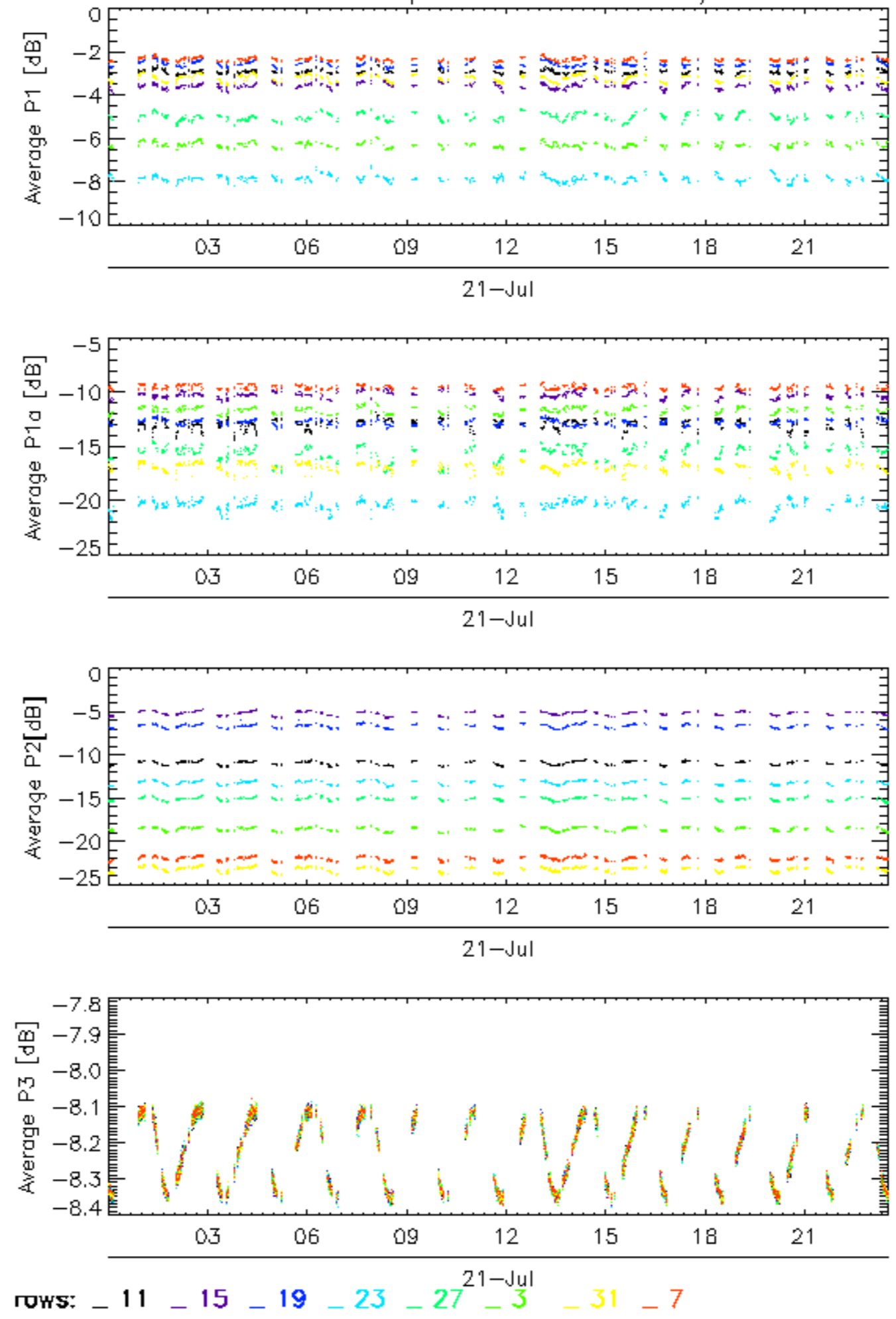


### Calibration pulses for GM1 SS3 H/H

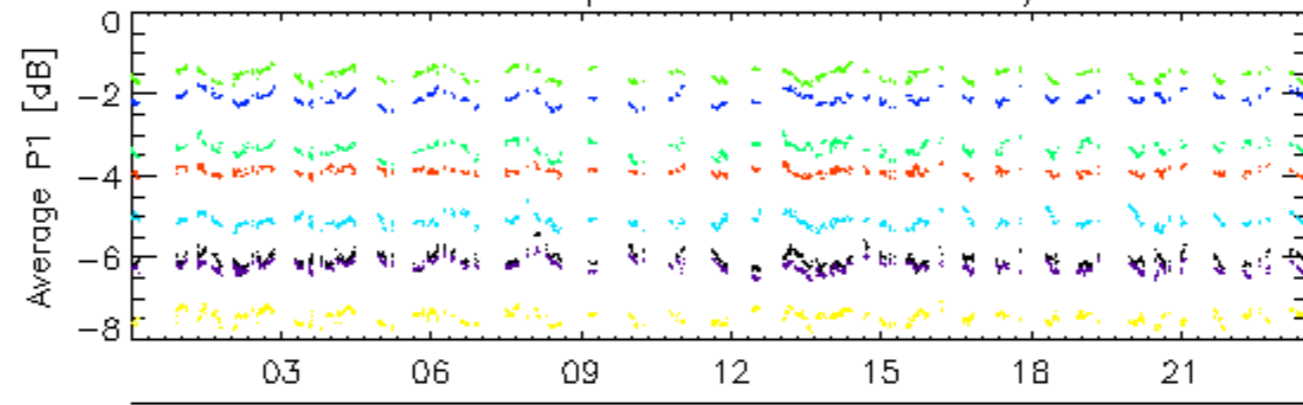


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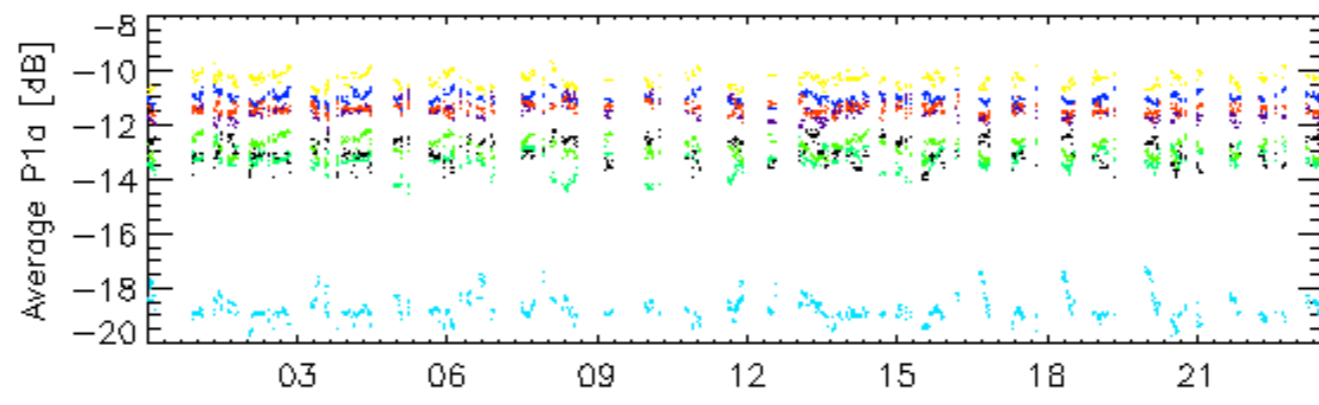
Calibration pulses for GM1 SS3 H/H



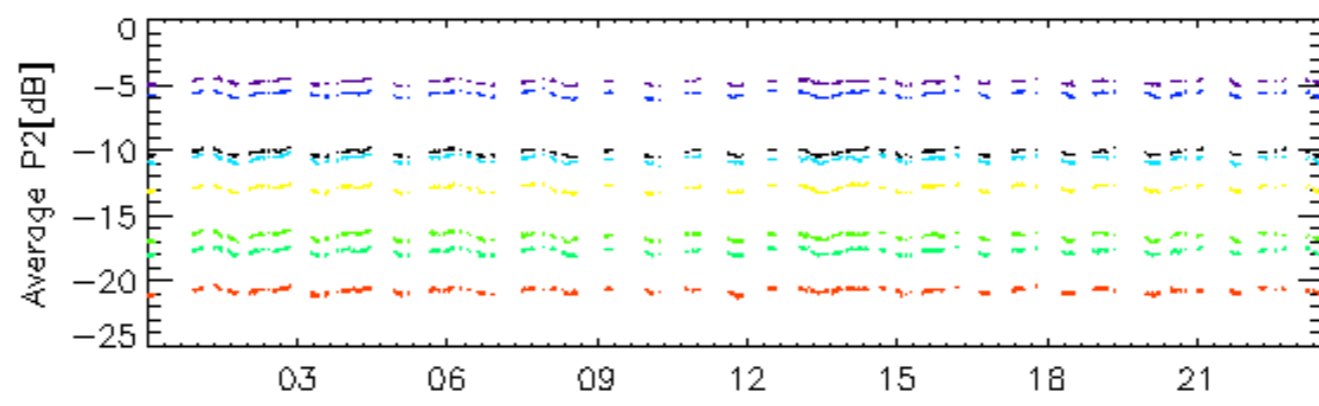
Calibration pulses for GM1 SS3 H/H



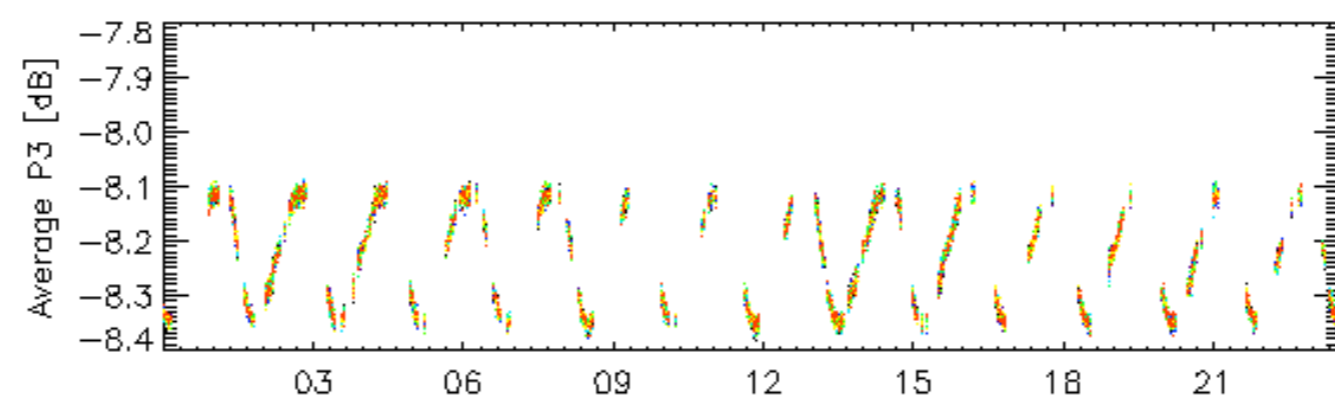
21-Jul



21-Jul



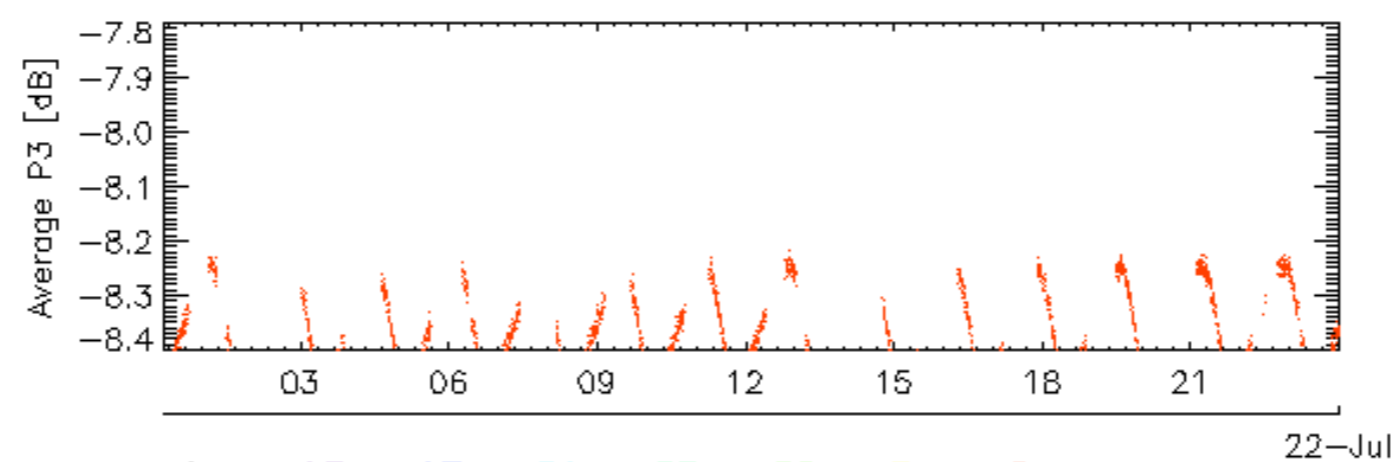
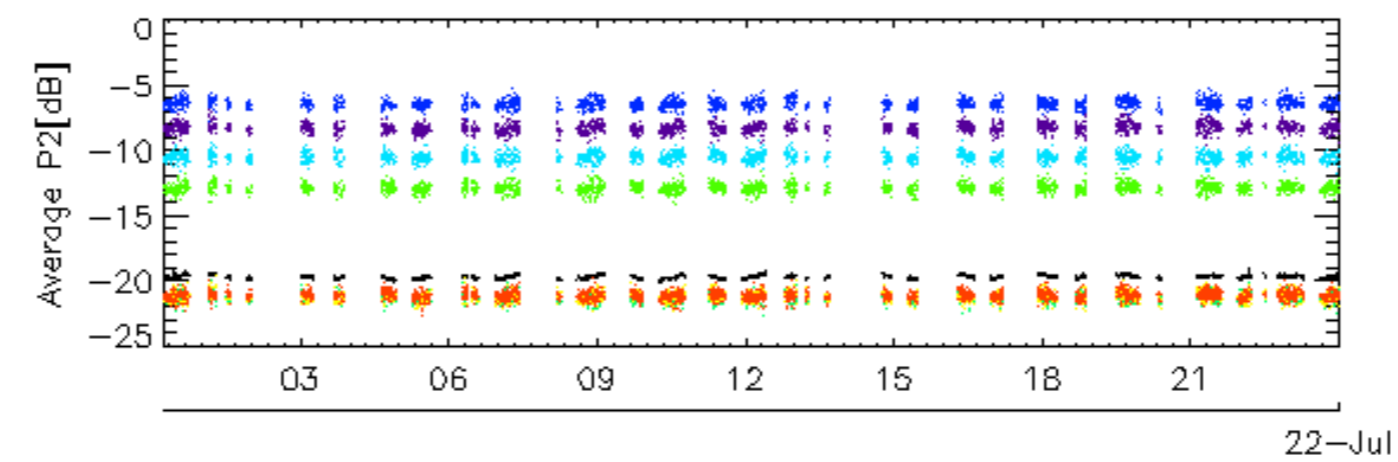
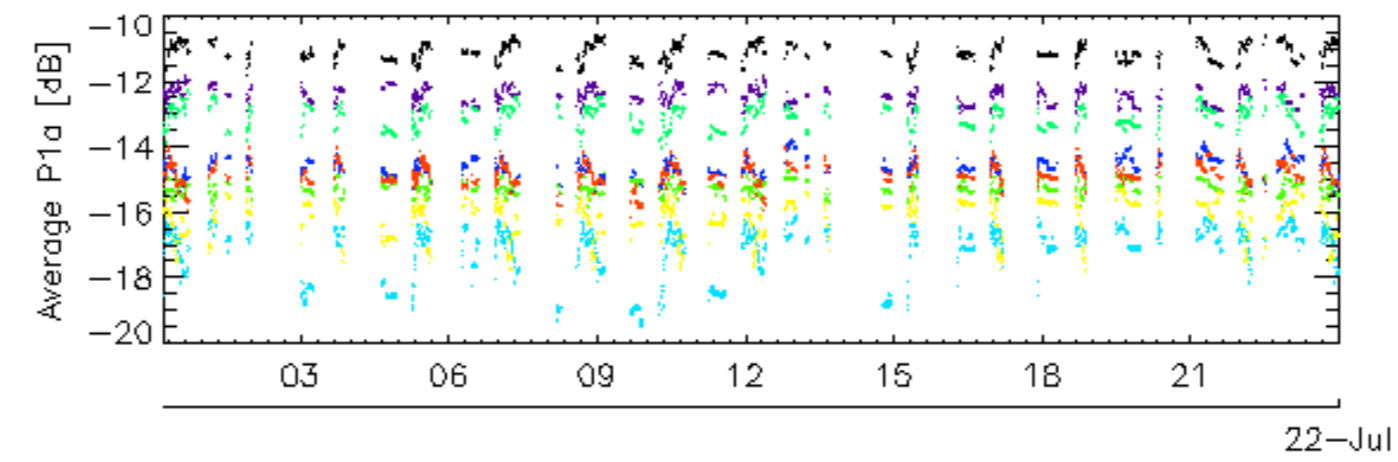
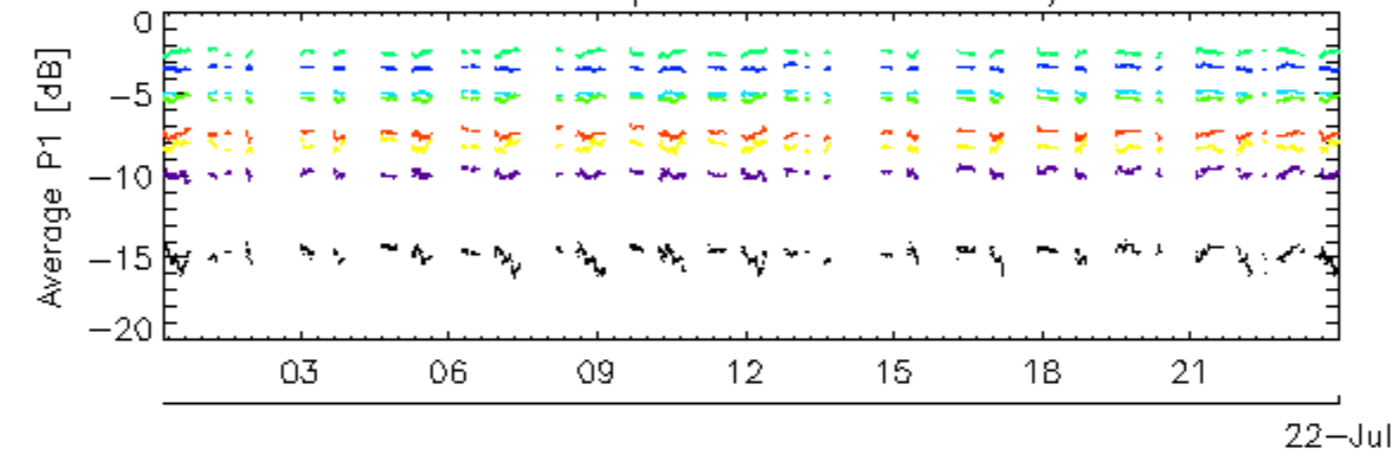
21-Jul



21-Jul

rows: — 12 — 16 — 20 — 24 — 28 — 32 — 4 — 8

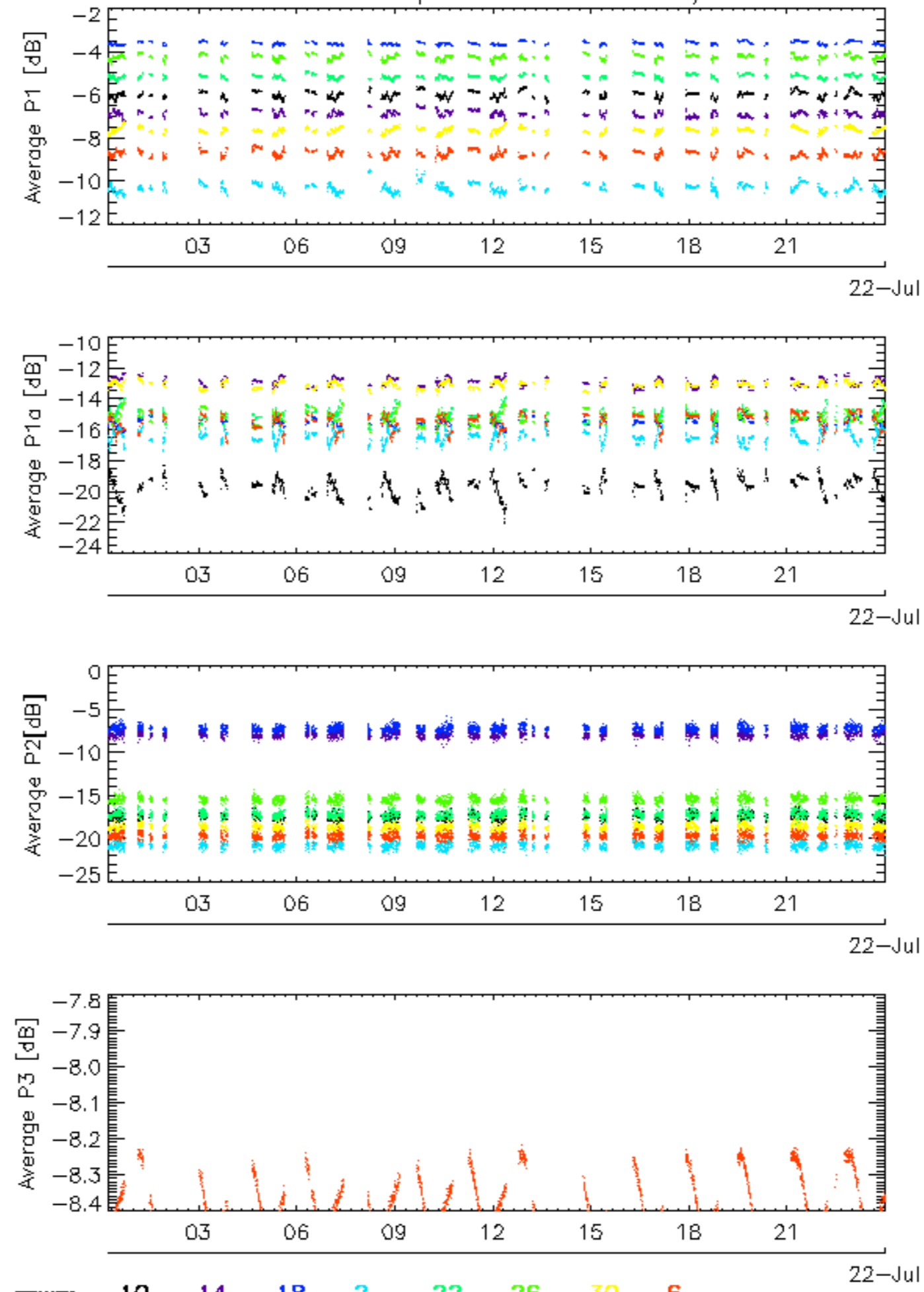
Calibration pulses for WVS IS2 V/V



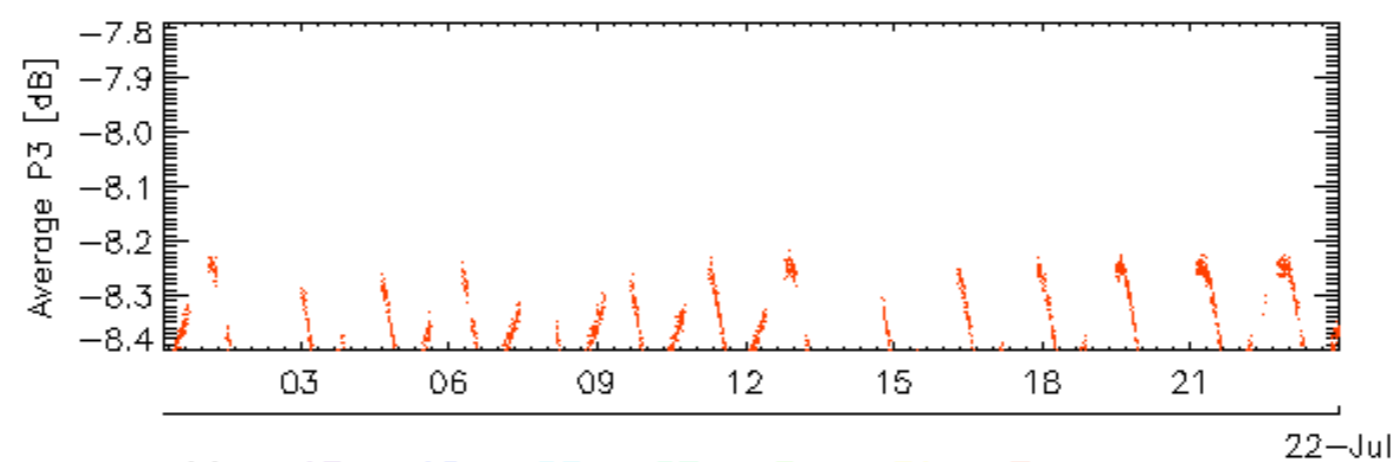
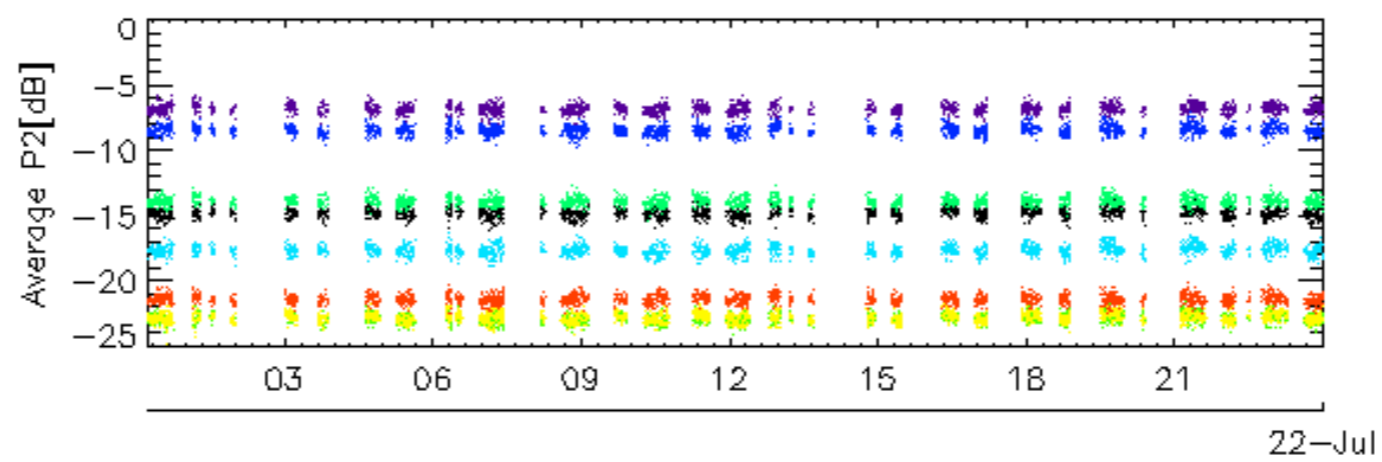
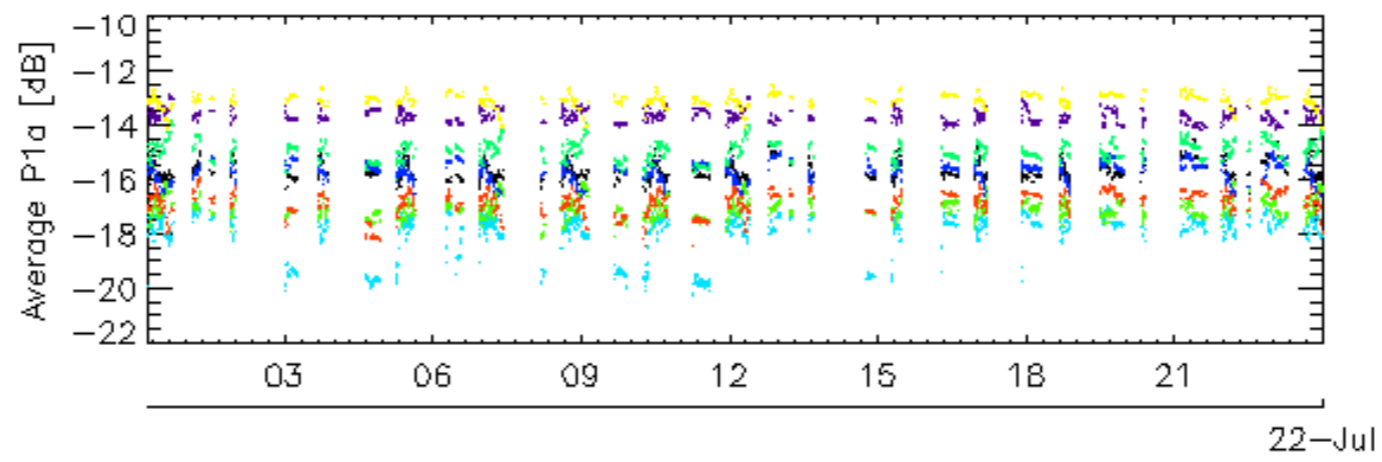
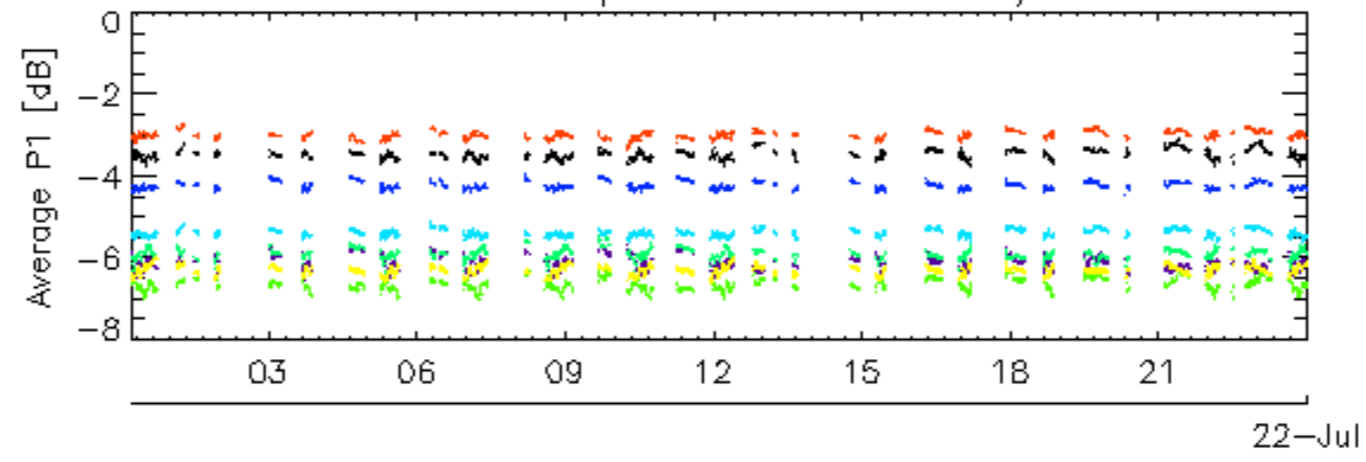
rows: \_ 1 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29 \_ 5 \_ 9



Calibration pulses for WVS IS2 V/V

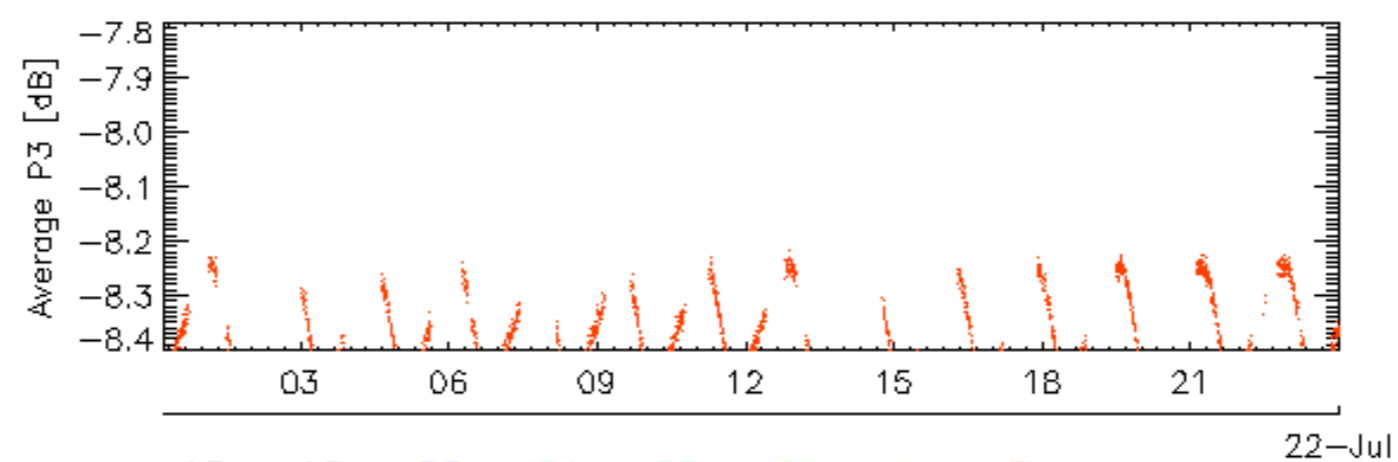
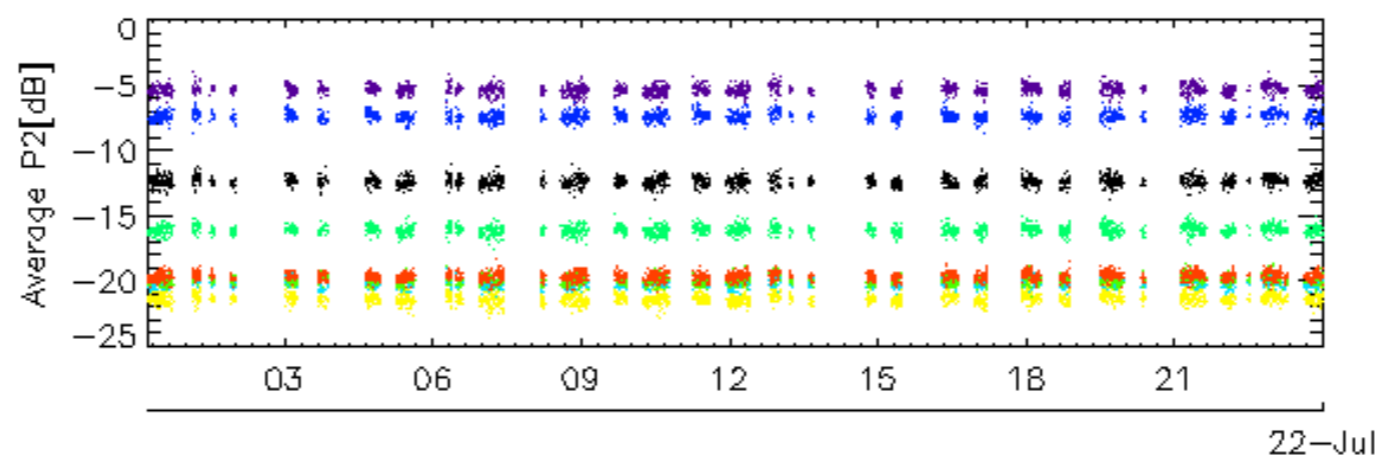
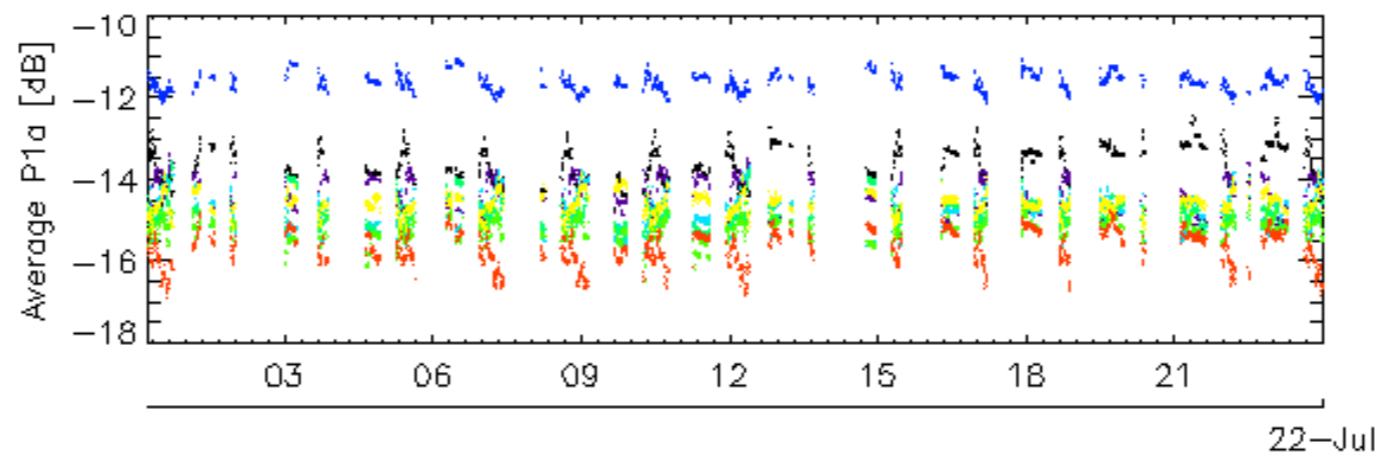
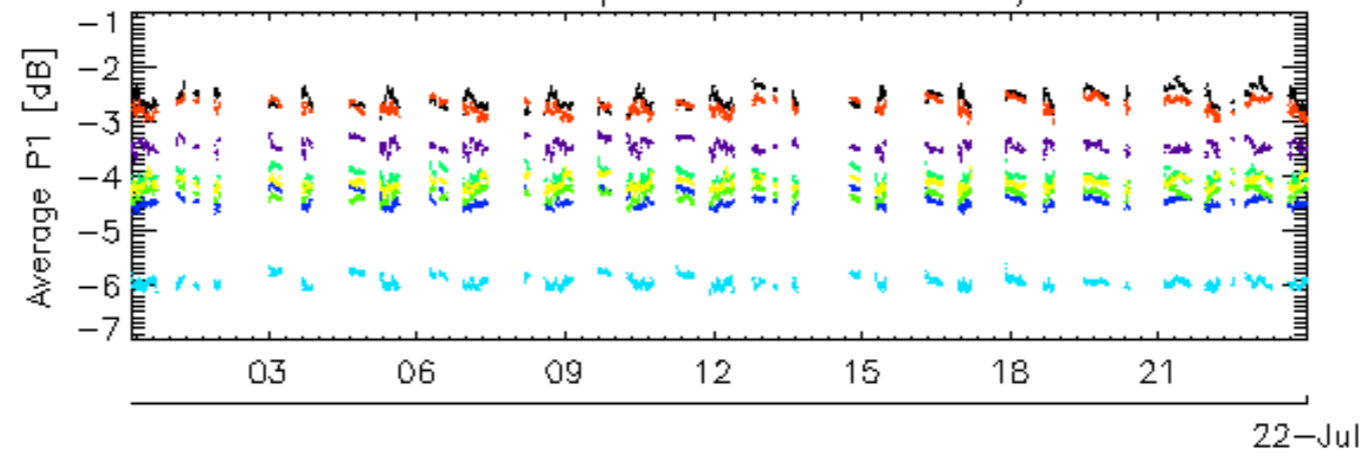


### Calibration pulses for WVS IS2 V/V

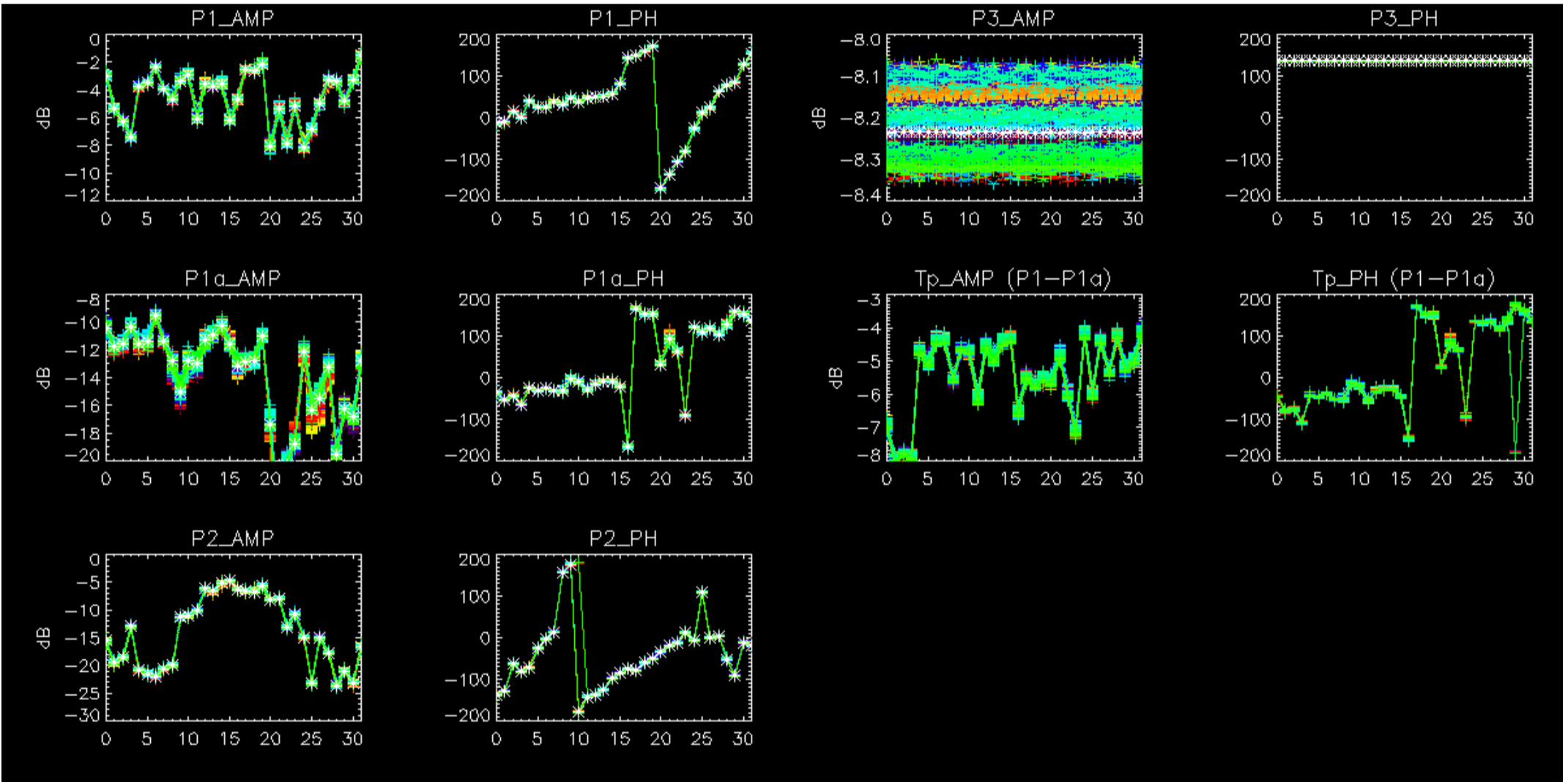


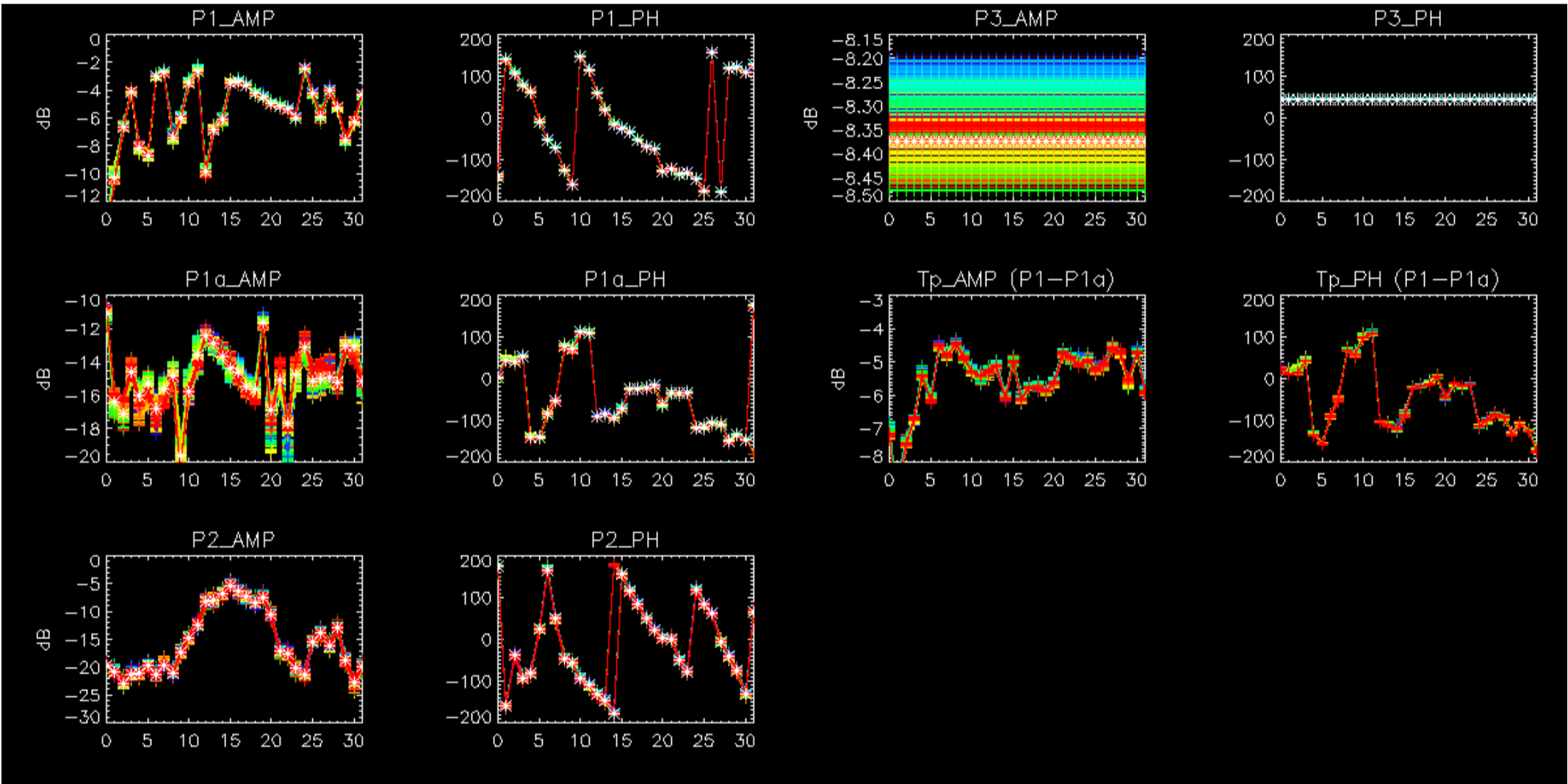
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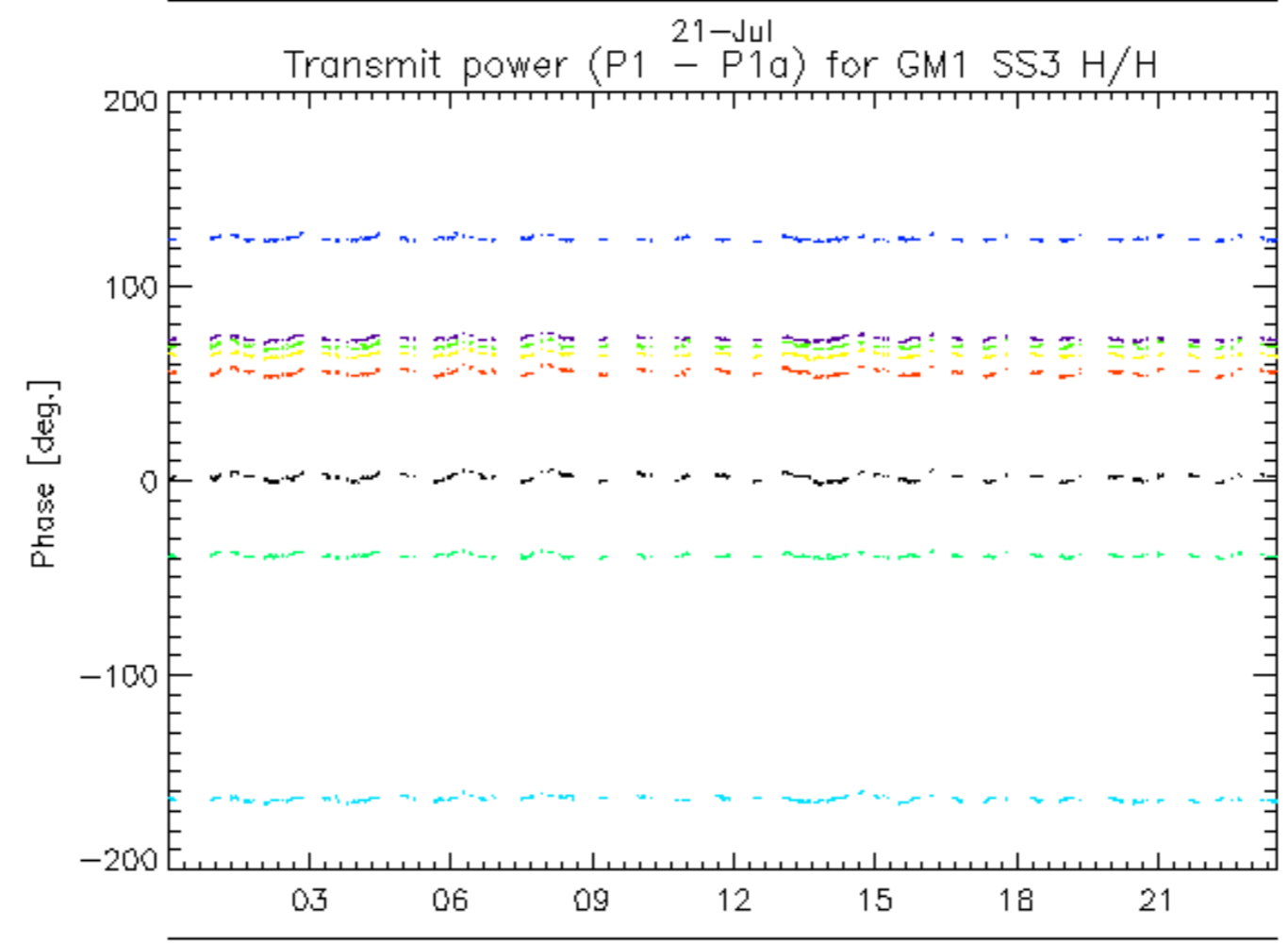
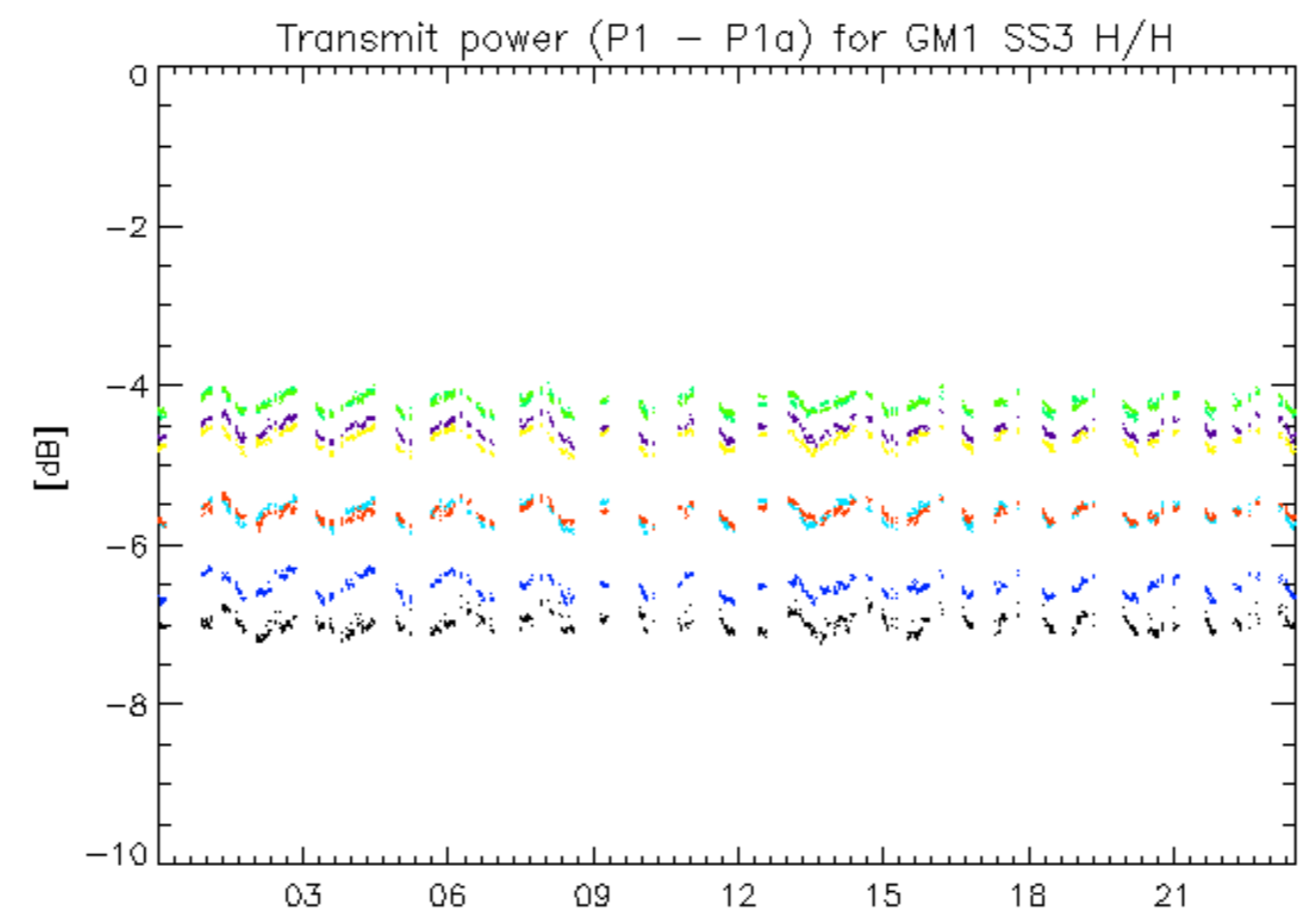
### Calibration pulses for WVS IS2 V/V



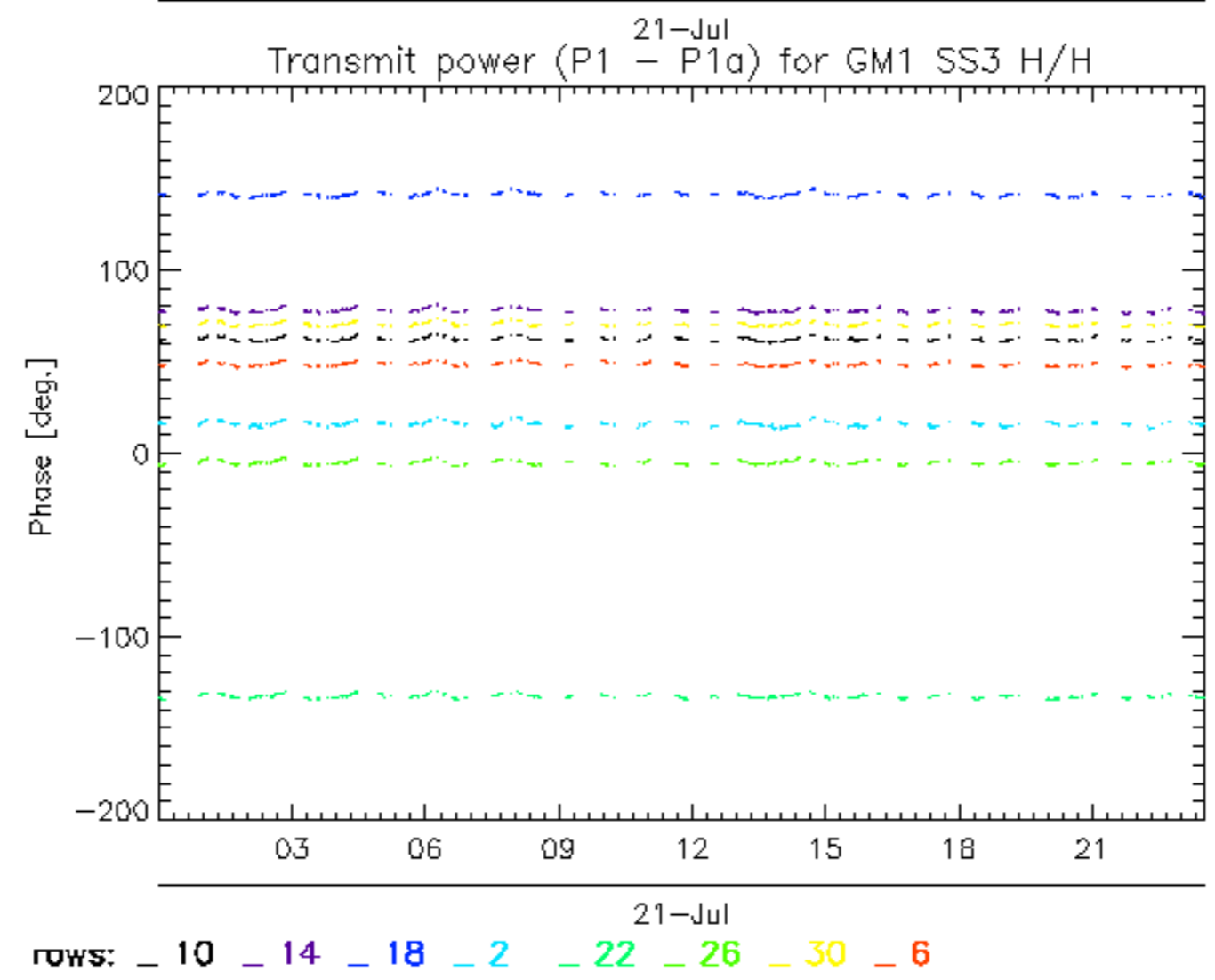
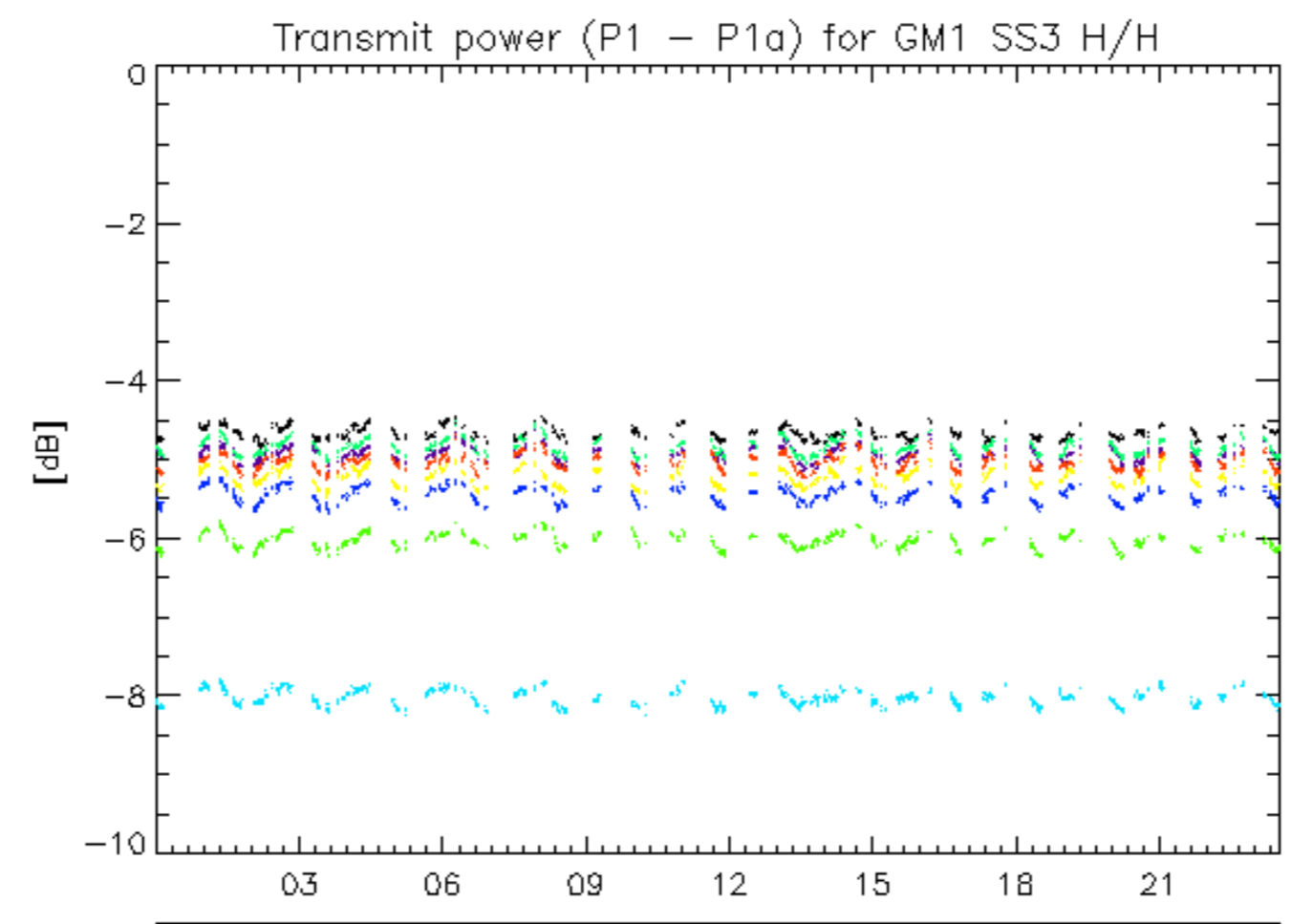
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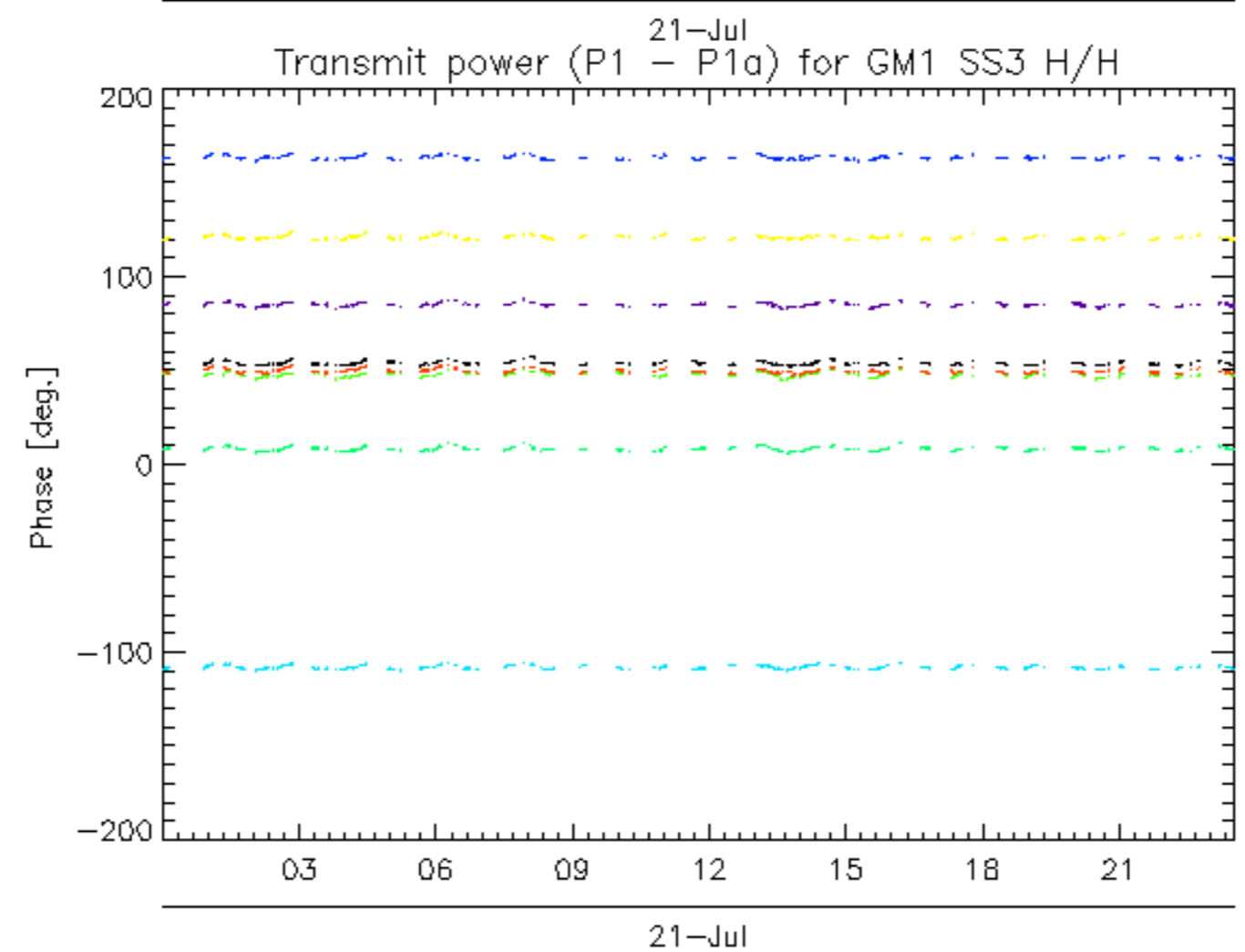
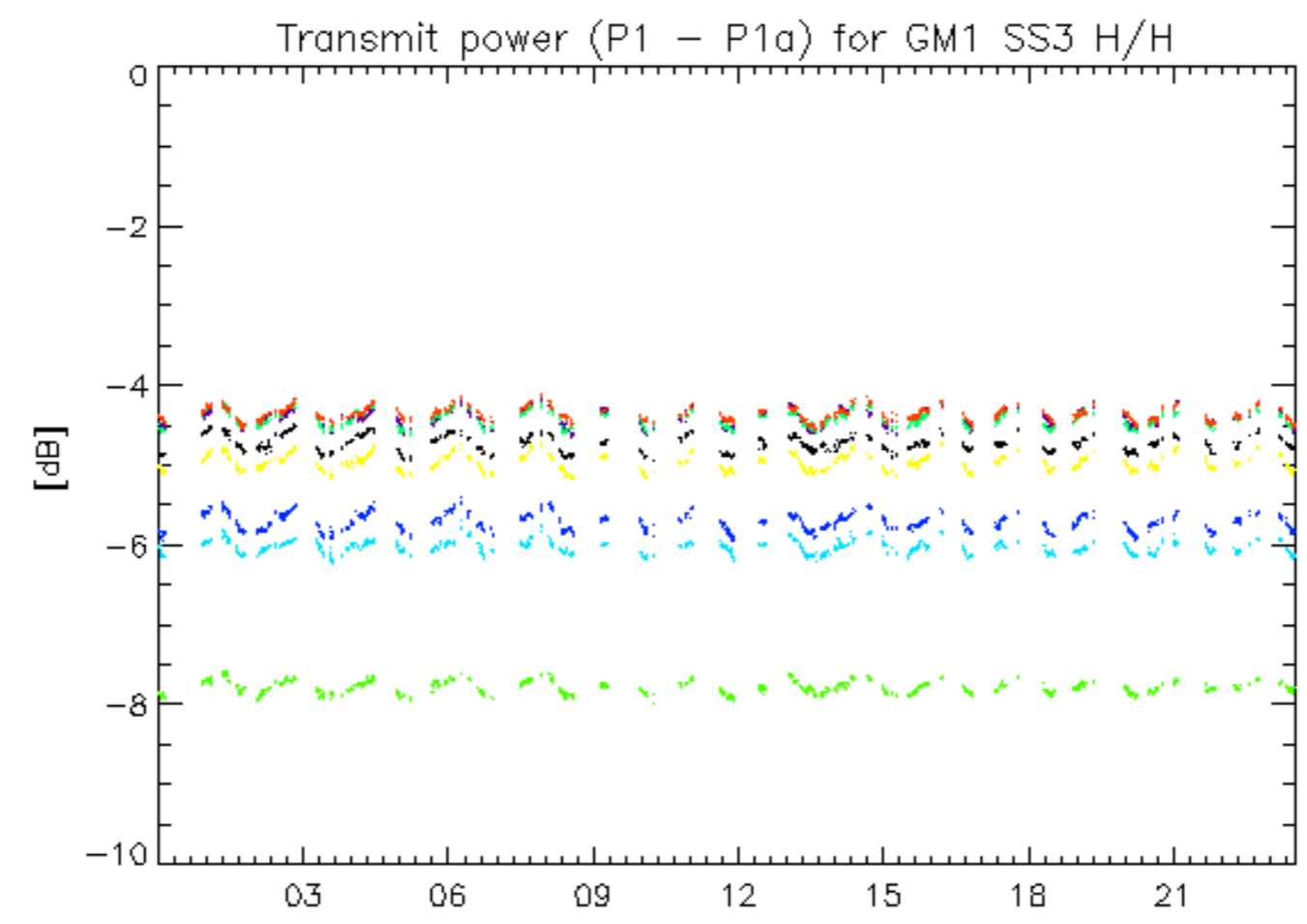






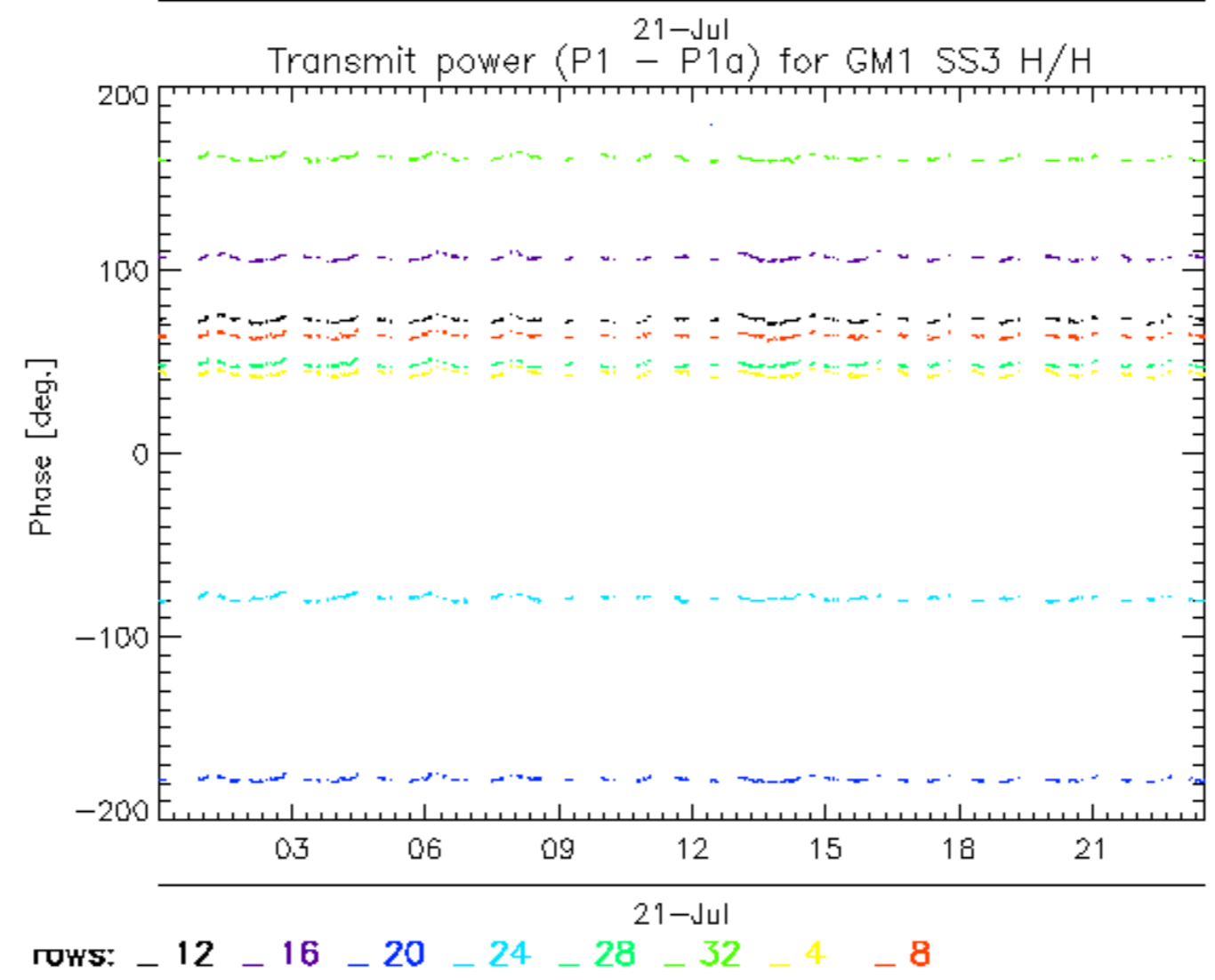
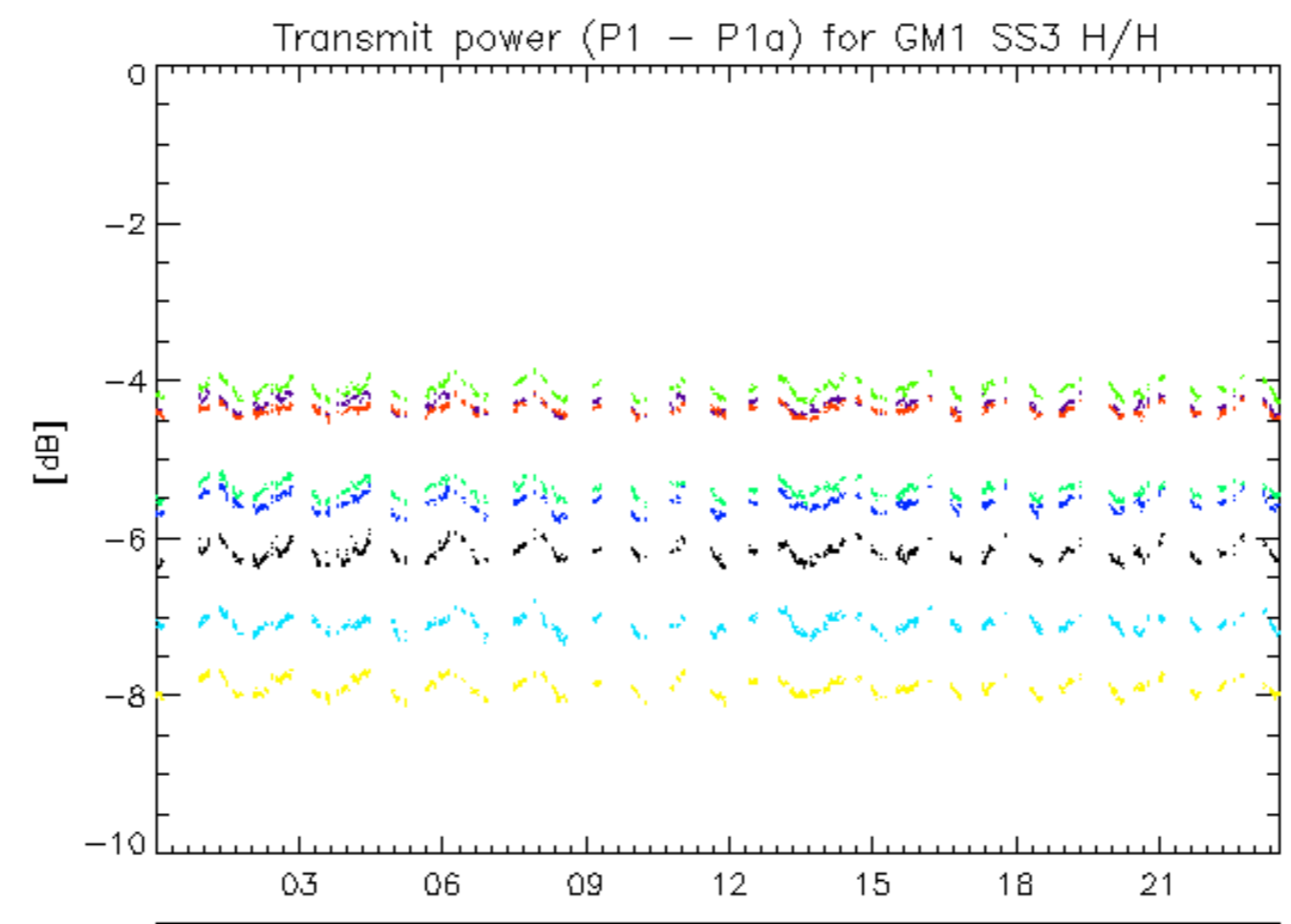
rows: \_ 1 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29 \_ 5 \_ 9

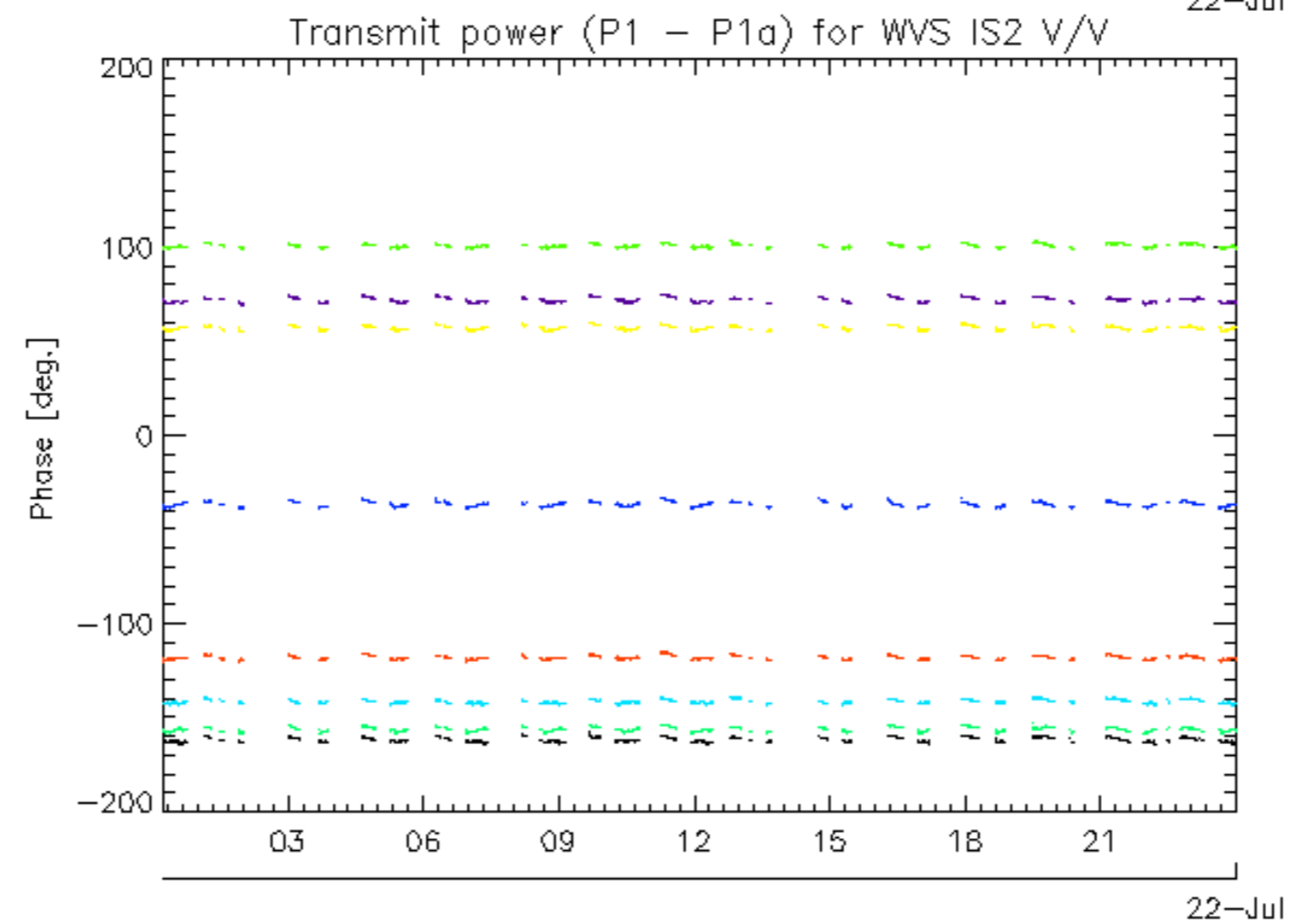
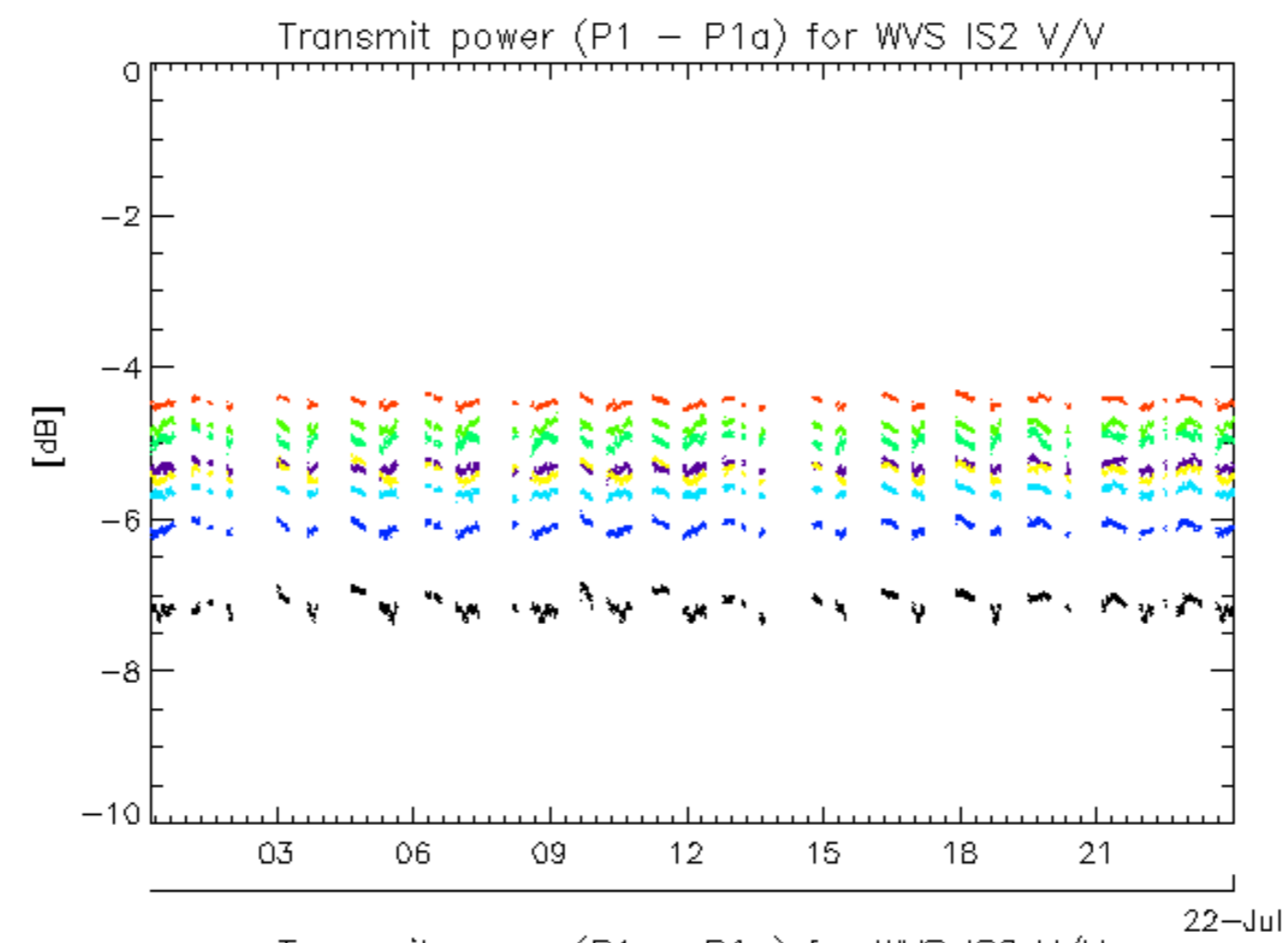




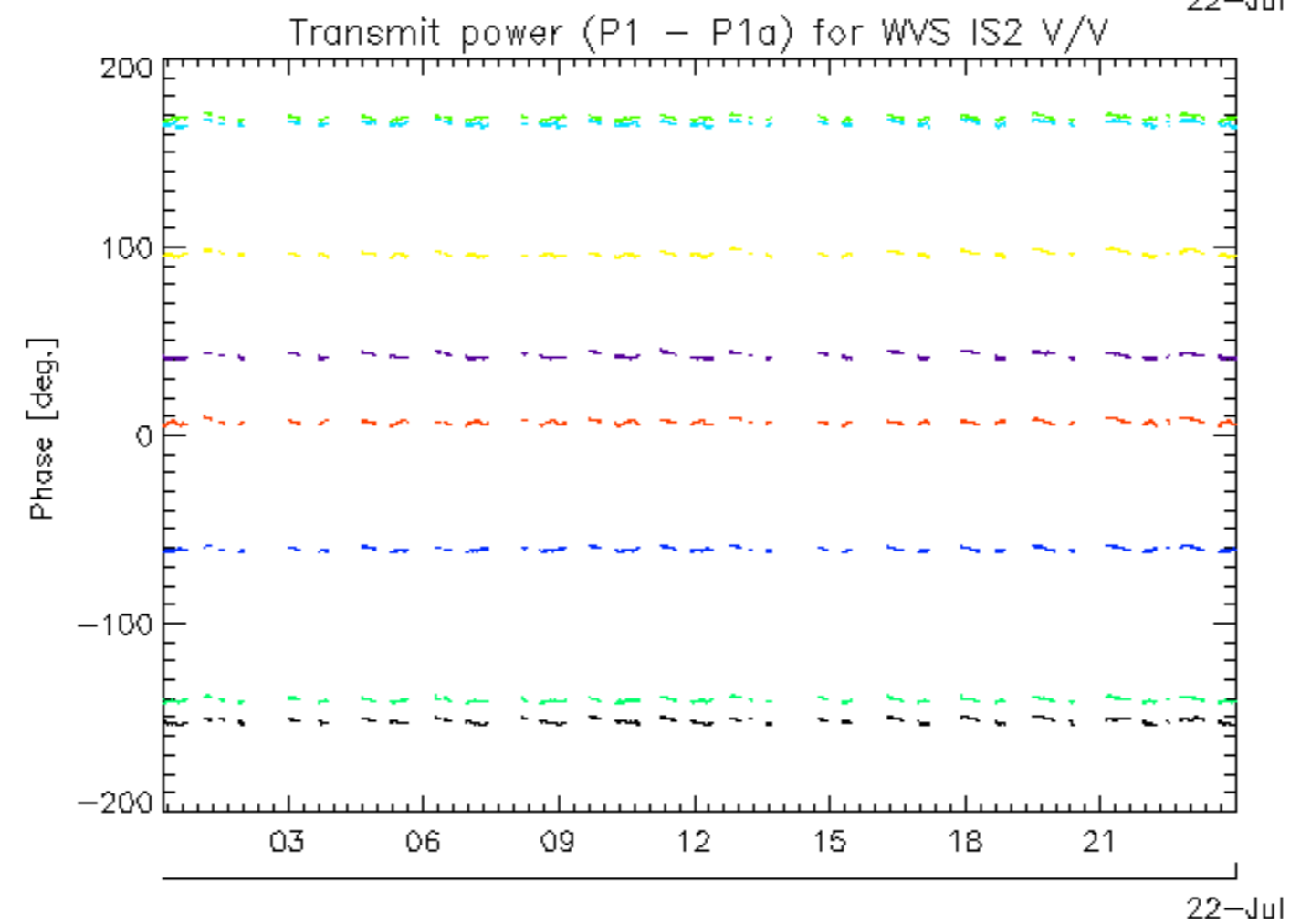
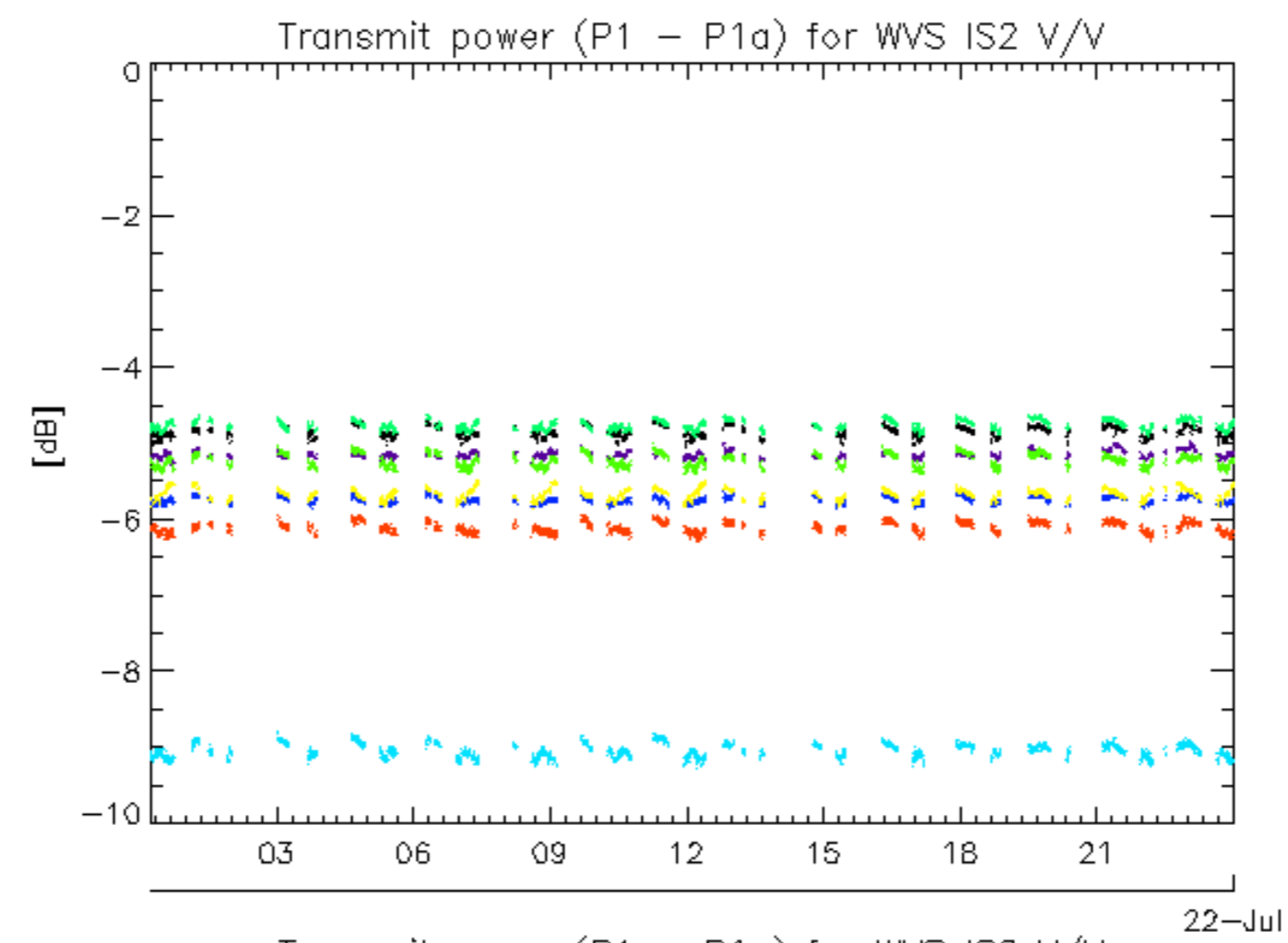
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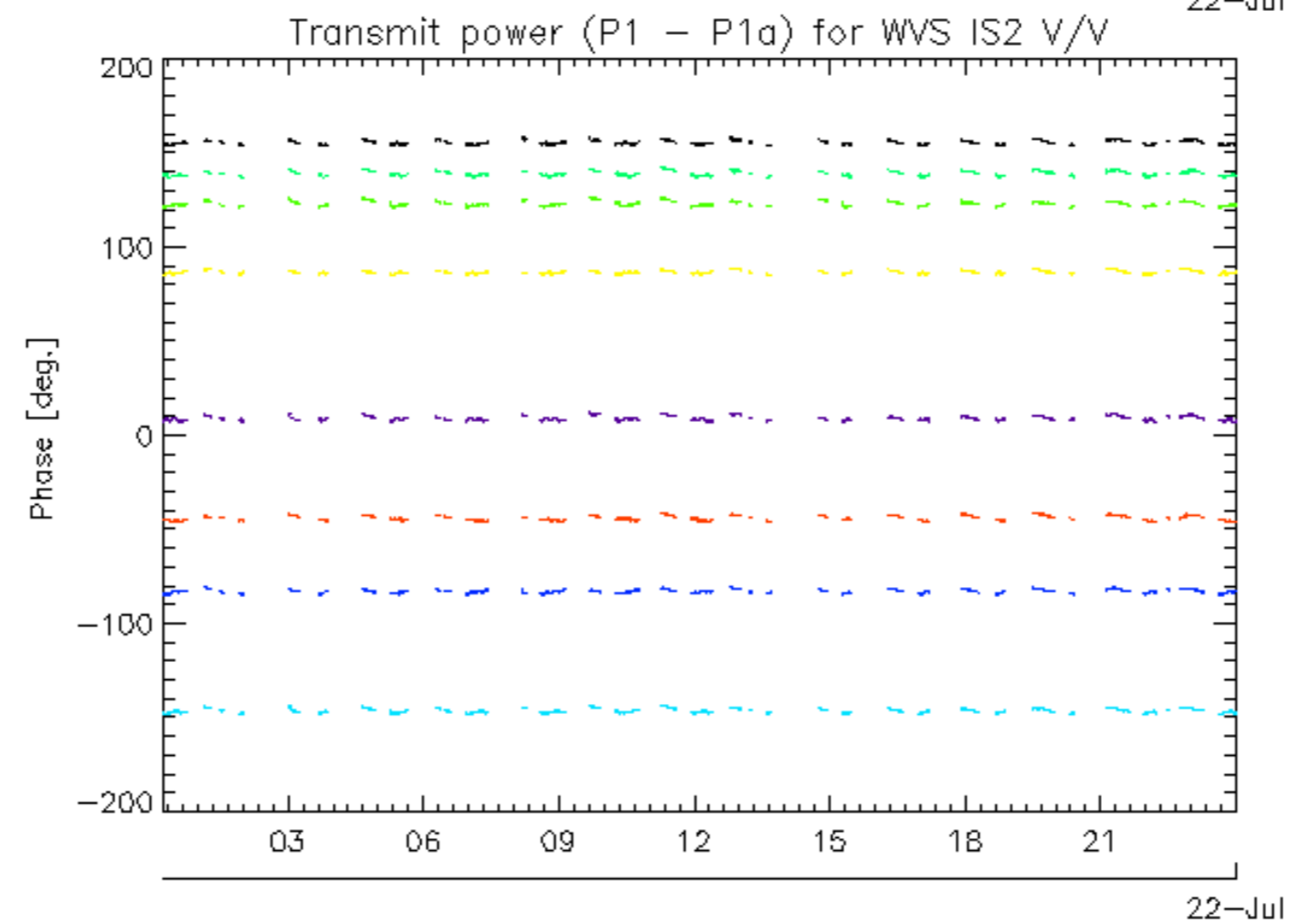
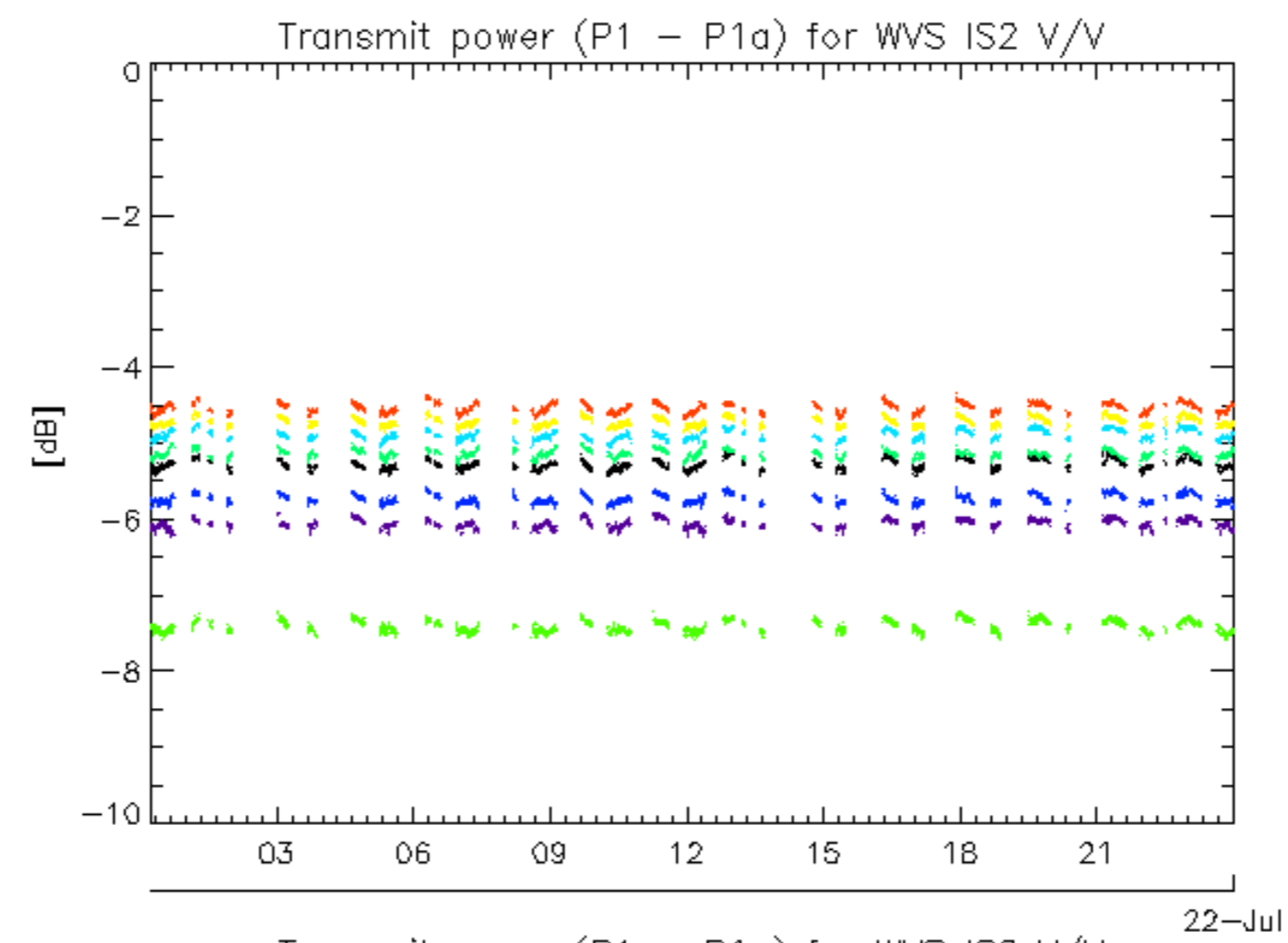




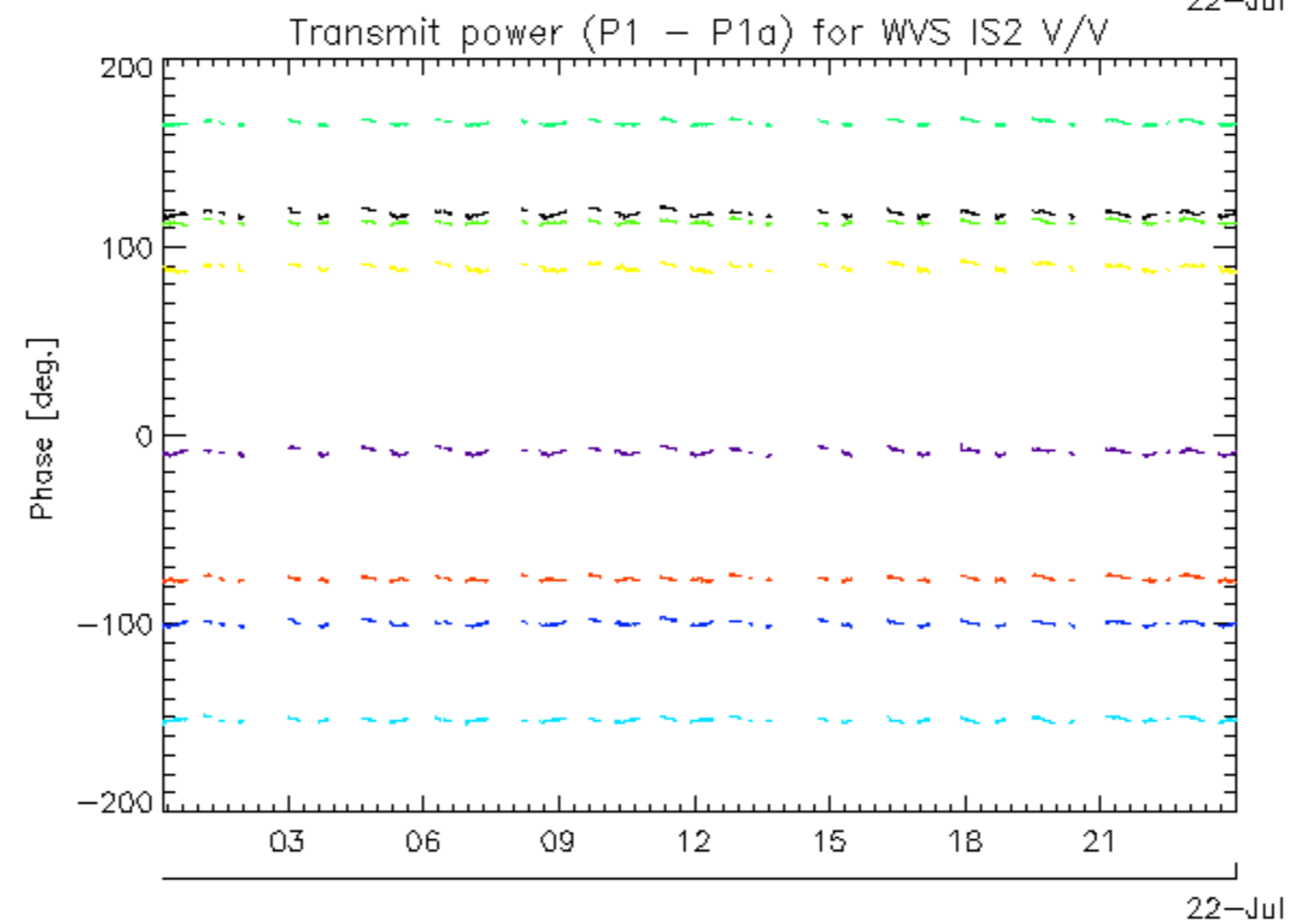
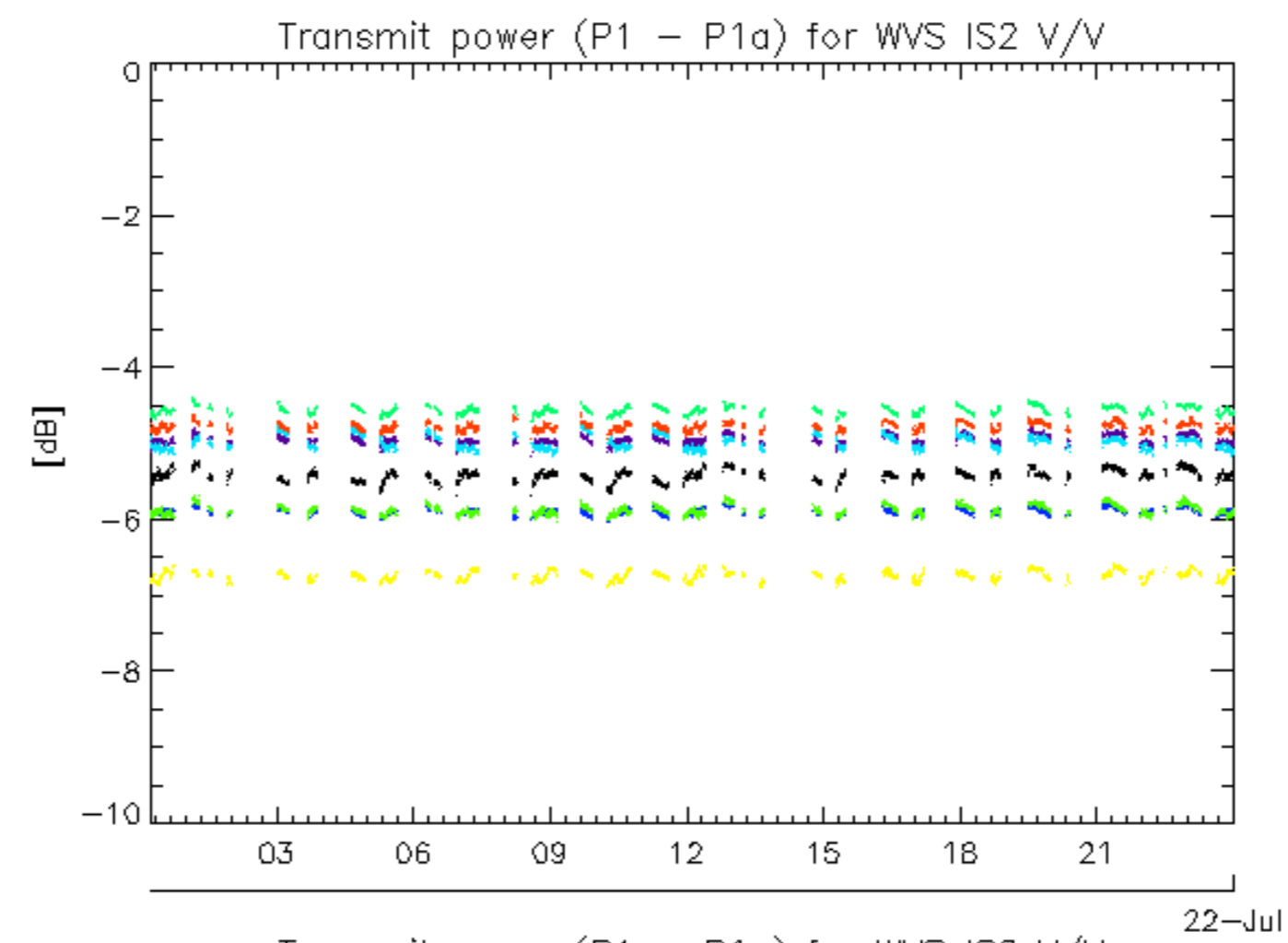
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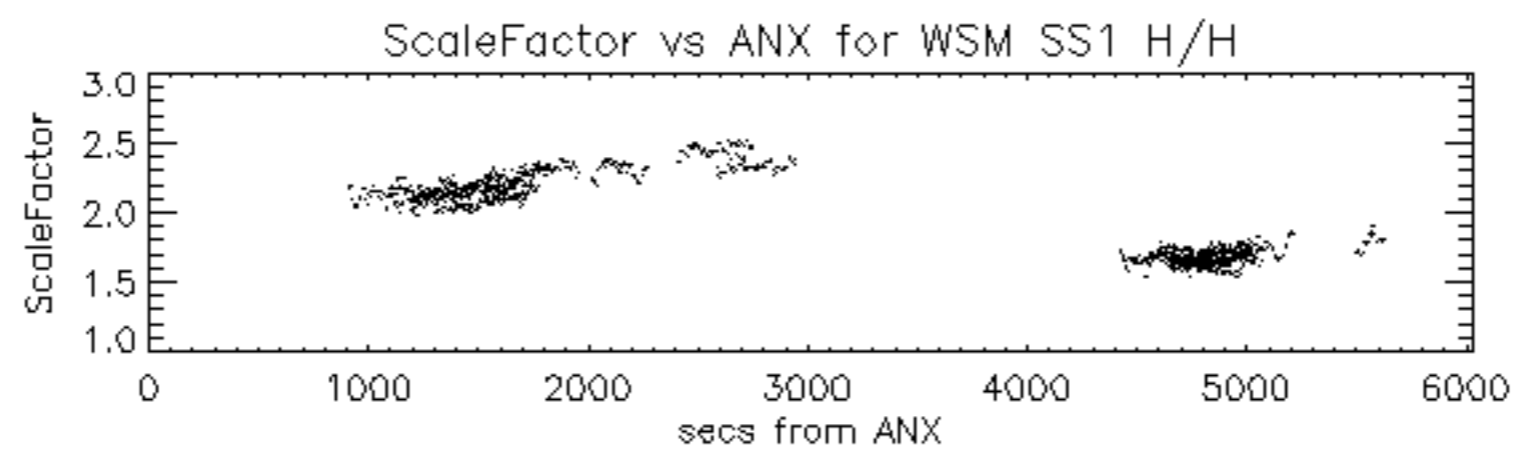
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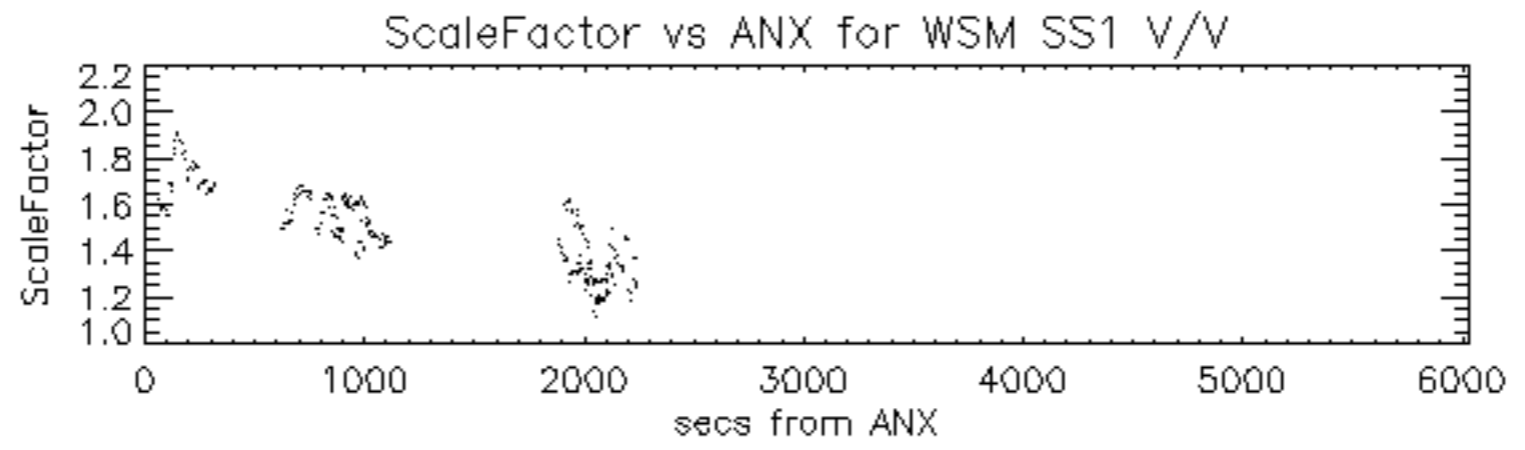


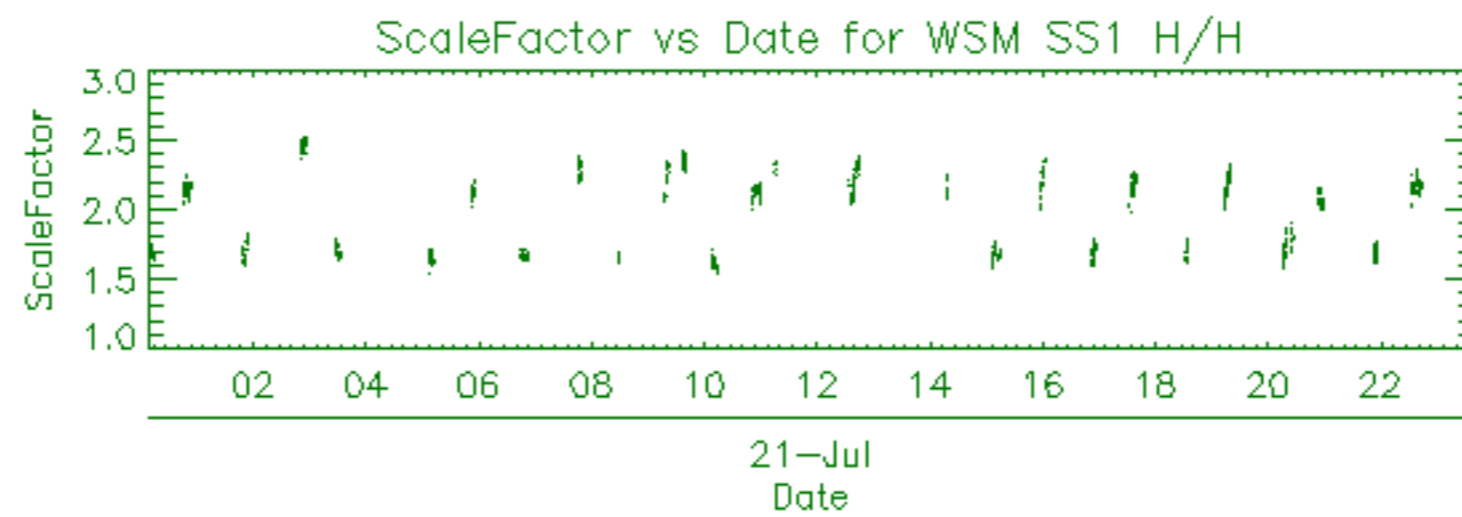
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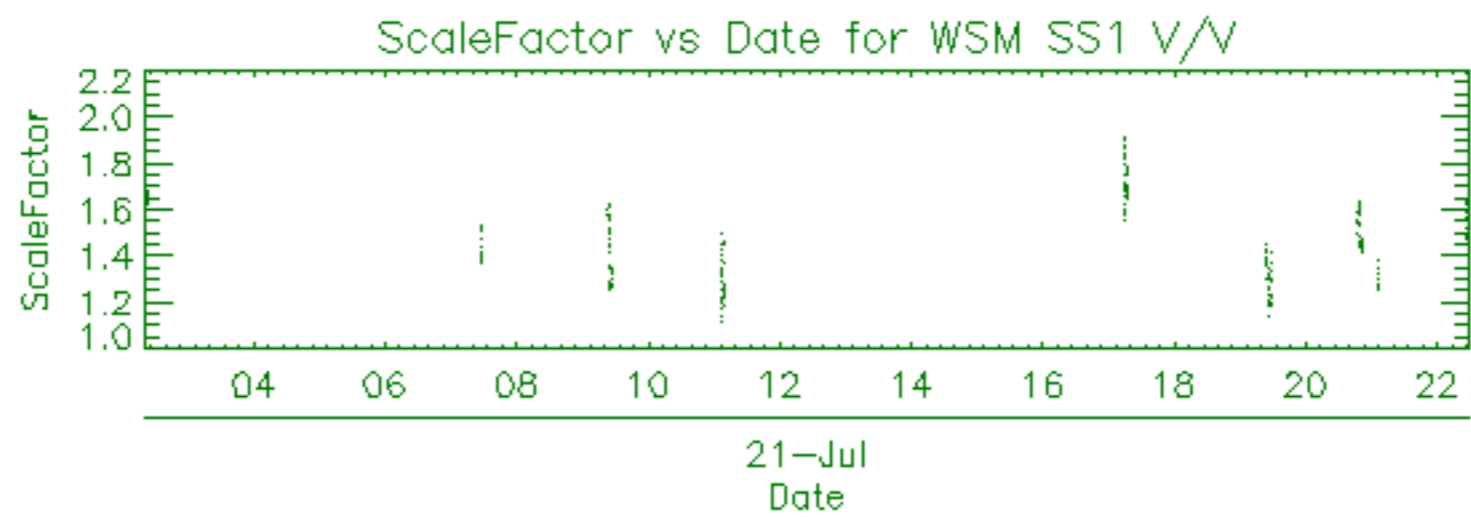
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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20110721_043709_000000563104_00378_49099_9520.N1						IS3	H/H	104	49099	378	5.04
ASA_APM_1PNPDE20110721_075931_000003073104_00380_49101_9630.N1						IS4	V/H	104	49101	380	5.04
ASA_APM_1PNPDE20110721_153517_000000563104_00385_49106_9744.N1						IS4	H/H	104	49106	385	5.04
ASA_APM_1PNPDE20110721_202743_000000433104_00387_49108_9767.N1						IS1	H/H	104	49108	387	5.04
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9781.N1						IS3	H/H	104	49110	389	5.04
ASA_APM_1PNPDE20110721_221402_000000443104_00389_49110_9800.N1						IS3	H/H	104	49110	389	5.04

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20110720_235527_000007913104_00375_49096_9454.N1						SS1	H/H	104	49096	375	5.04
ASA_GM1_1PNPDE20110721_005345_000008343104_00376_49097_9474.N1						SS1	H/H	104	49097	376	5.04
ASA_GM1_1PNPDE20110721_011846_000006833104_00376_49097_9475.N1						SS1	H/H	104	49097	376	5.04
ASA_GM1_1PNPDE20110721_013541_000007433104_00376_49097_9479.N1						SS1	H/H	104	49097	376	5.04
ASA_GM1_1PNPDE20110721_020113_000008043104_00376_49097_9494.N1						SS1	H/H	104	49097	376	5.04
ASA_GM1_1PNPDE20110721_021643_000001573104_00377_49098_9493.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_022458_000000963104_00377_49098_9492.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_023050_000011783104_00377_49098_9496.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_031555_000006713104_00377_49098_9521.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_033237_000003623104_00377_49098_9528.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_034733_000001443104_00377_49098_9526.N1						SS1	H/H	104	49098	377	5.04
ASA_GM1_1PNPDE20110721_035258_000002413104_00378_49099_9525.N1						SS1	H/H	104	49099	378	5.04
ASA_GM1_1PNPDE20110721_035918_000001993104_00378_49099_9537.N1						SS1	H/H	104	49099	378	5.04
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ASA_GM1_1PNPDE20110721_045611_000005923104_00378_49099_9570.N1						SS1	H/H	104	49099	378	5.04
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ASA_GM1_1PNPDE20110721_062419_000002413104_00379_49100_9578.N1						SS1	H/H	104	49100	379	5.04
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ASA_GM1_1PNPDK20110721_151517_000000663104_00384_49105_3835.N1						SS1	H/H	104	49105	384	5.04
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ASA_GM1_1PNPDK20110721_161105_000001263104_00385_49106_3860.N1						SS1	H/H	104	49106	385	5.04
ASA_GM1_1PNPDK20110721_163747_000008343104_00385_49106_3862.N1						SS1	H/H	104	49106	385	5.04
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ASA_GM1_1PNPDK20110721_173037_000000963104_00386_49107_3888.N1						SS1	H/H	104	49107	386	5.04
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ASA_GM1_1PNPDK20110721_185419_000009793104_00387_49108_3894.N1						SS1	H/H	104	49108	387	5.04
ASA_GM1_1PNPDK20110721_185419_000009793104_00387_49108_3893.N1						SS1	H/H	104	49108	387	5.04
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ASA_GM1_1PNPDE20110721_221505_000005553104_00389_49110_9802.N1	SS1	H/H	104	49110	389	5.04
ASA_GM1_1PNPDE20110721_223440_000000783104_00389_49110_9805.N1	SS1	H/H	104	49110	389	5.04
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ASA_GM1_1PNPDE20110721_231105_000000843104_00389_49110_9808.N1	SS1	H/H	104	49110	389	5.04
ASA_GM1_1PNPDE20110721_231237_000000783104_00389_49110_9806.N1	SS1	H/H	104	49110	389	5.04
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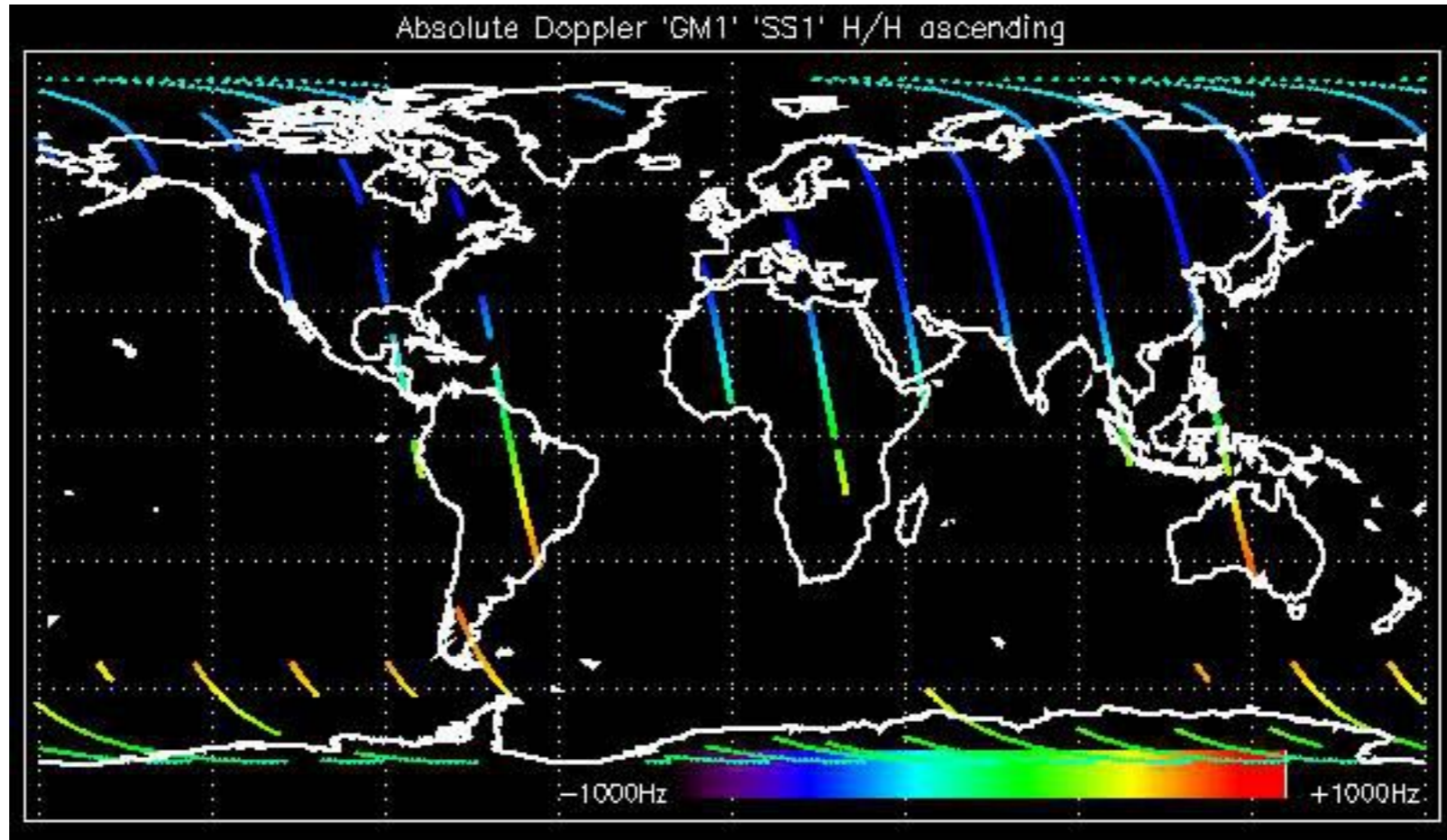
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ASA_IMM_1PNPDE20110721_060902_000003463104_00379_49100_9565.N1						IS6	H/H	104	49100	379	5.04
ASA_IMM_1PNPDE20110721_075626_000001083104_00380_49101_9628.N1						IS4	H/H	104	49101	380	5.04
ASA_IMM_1PNPDK20110721_092801_000000373104_00381_49102_3714.N1						IS2	V/V	104	49102	381	5.04
ASA_IMM_1PNPDE20110721_092854_000000373104_00381_49102_9660.N1						IS6	H/H	104	49102	381	5.04
ASA_IMM_1PNPDK20110721_135304_000000573104_00384_49105_3790.N1						IS2	H/H	104	49105	384	5.04
ASA_IMM_1PNPDK20110721_135406_000001033104_00384_49105_3794.N1						IS3	H/H	104	49105	384	5.04
ASA_IMM_1PNPDK20110721_135601_000000633104_00384_49105_3800.N1						IS2	H/H	104	49105	384	5.04
ASA_IMM_1PNPDE20110721_174807_000003383104_00386_49107_9756.N1						IS6	H/H	104	49107	386	5.04
ASA_IMM_1PNPDE20110721_203142_000000373104_00387_49108_9769.N1						IS7	V/V	104	49108	387	5.04

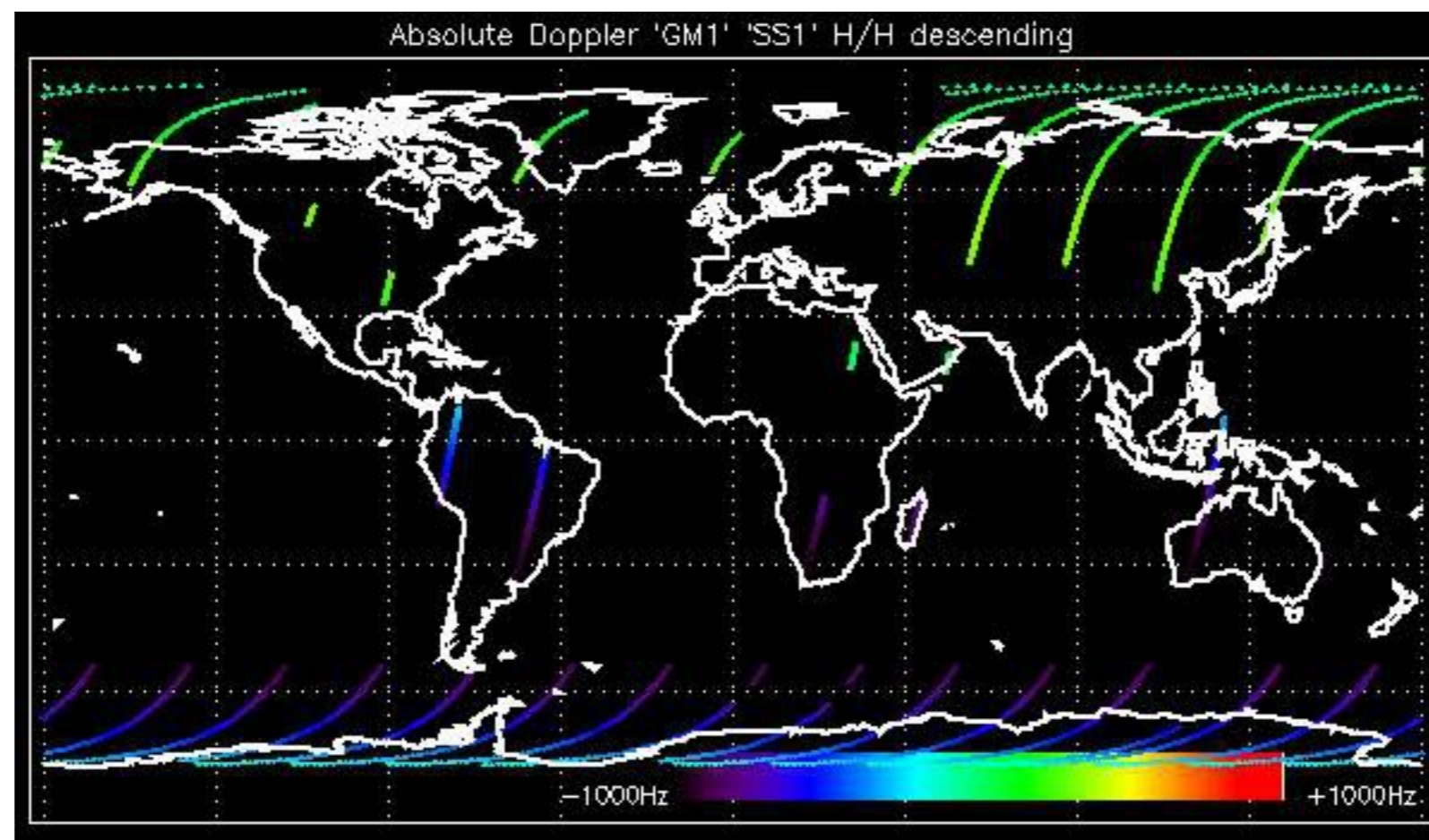
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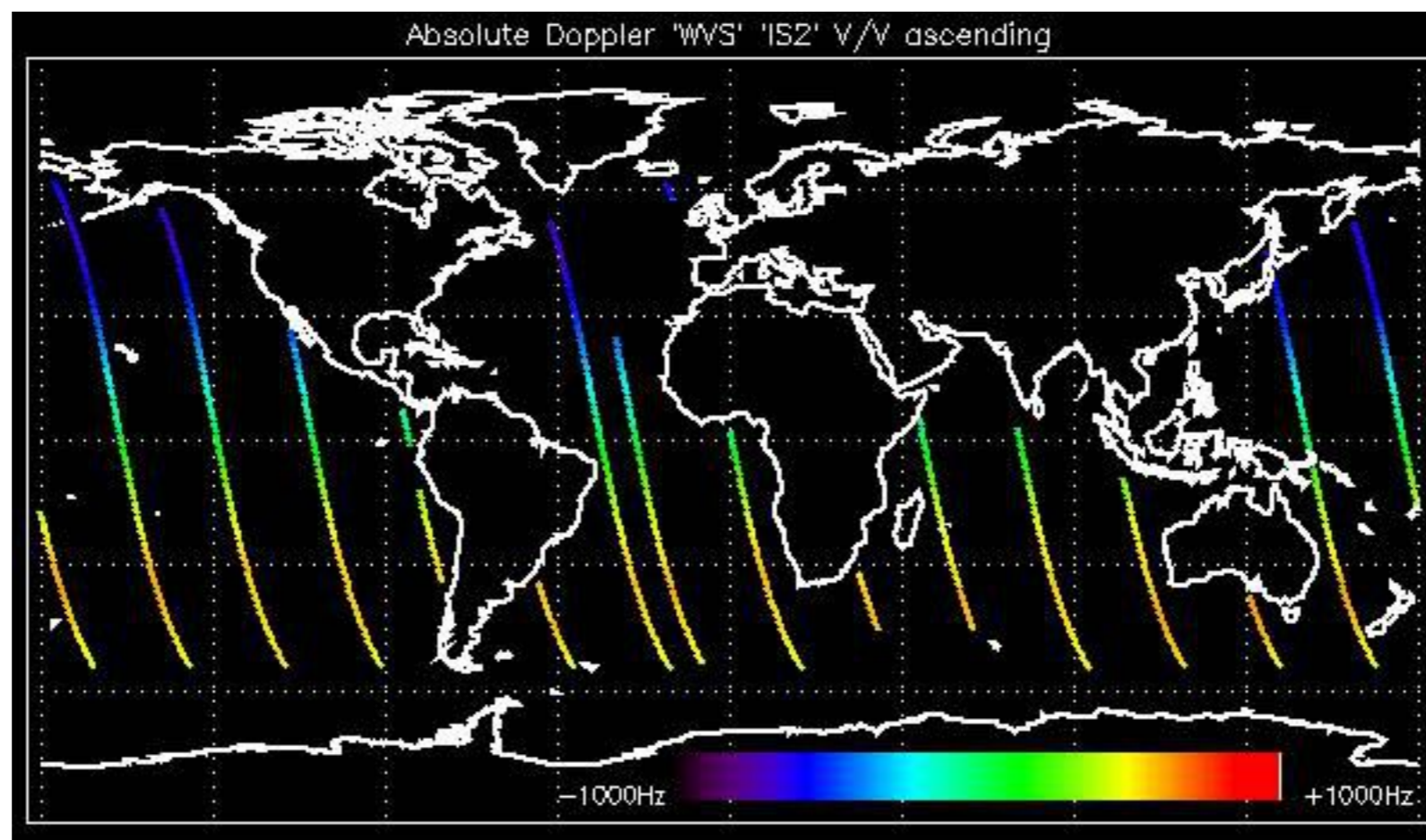
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_WSM_1PNPDE20110721_004519_000004893104_00376_49097_9471.N1						SS1	H/H	104	49097	376	5.04
ASA_WSM_1PNPDE20110721_014809_000003923104_00376_49097_9472.N1						SS1	H/H	104	49097	376	5.04
ASA_WSM_1PNPDE20110721_022043_000001593104_00377_49098_9490.N1						SS1	V/V	104	49098	377	5.04
ASA_WSM_1PNPDE20110721_025033_000003553104_00377_49098_9487.N1						SS1	H/H	104	49098	377	5.04
ASA_WSM_1PNPDE20110721_032709_000003123104_00377_49098_9524.N1						SS1	H/H	104	49098	377	5.04
ASA_WSM_1PNPDE20110721_050609_000003923104_00378_49099_9560.N1						SS1	H/H	104	49099	378	5.04
ASA_WSM_1PNPDE20110721_055218_000002083104_00379_49100_9561.N1						SS1	H/H	104	49100	379	5.04
ASA_WSM_1PNPDK20110721_064437_000004893104_00379_49100_3674.N1						SS1	H/H	104	49100	379	5.04
ASA_WSM_1PNPDK20110721_072701_000000923104_00380_49101_3675.N1						SS1	V/V	104	49101	380	5.04
ASA_WSM_1PNPDE20110721_074439_000002753104_00380_49101_9625.N1						SS1	H/H	104	49101	380	5.04
ASA_WSM_1PNPDK20110721_082817_000001103104_00380_49101_3708.N1						SS1	H/H	104	49101	380	5.04
ASA_WSM_1PNPDK20110721_091743_000002513104_00381_49102_3710.N1						SS1	H/H	104	49102	381	5.04
ASA_WSM_1PNPDE20110721_092030_000000983104_00381_49102_9654.N1						SS1	H/H	104	49102	381	5.04
ASA_WSM_1PNPDE20110721_092303_000002323104_00381_49102_9658.N1						SS1	V/V	104	49102	381	5.04
ASA_WSM_1PNPDK20110721_092520_000000923104_00381_49102_3711.N1						SS1	V/V	104	49102	381	5.04
ASA_WSM_1PNPDE20110721_093522_000003123104_00381_49102_9661.N1						SS1	H/H	104	49102	381	5.04
ASA_WSM_1PNPDE20110721_100754_000003923104_00381_49102_9697.N1						SS1	H/H	104	49102	381	5.04
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ASA_WSM_1PNPDE20110721_110539_000002143104_00382_49103_9681.N1						SS1	V/V	104	49103	382	5.04
ASA_WSM_1PNPDE20110721_111437_000000733104_00382_49103_9686.N1						SS1	H/H	104	49103	382	5.04
ASA_WSM_1PNPDK20110721_123401_000001473104_00383_49104_3756.N1						SS1	H/H	104	49104	383	5.04
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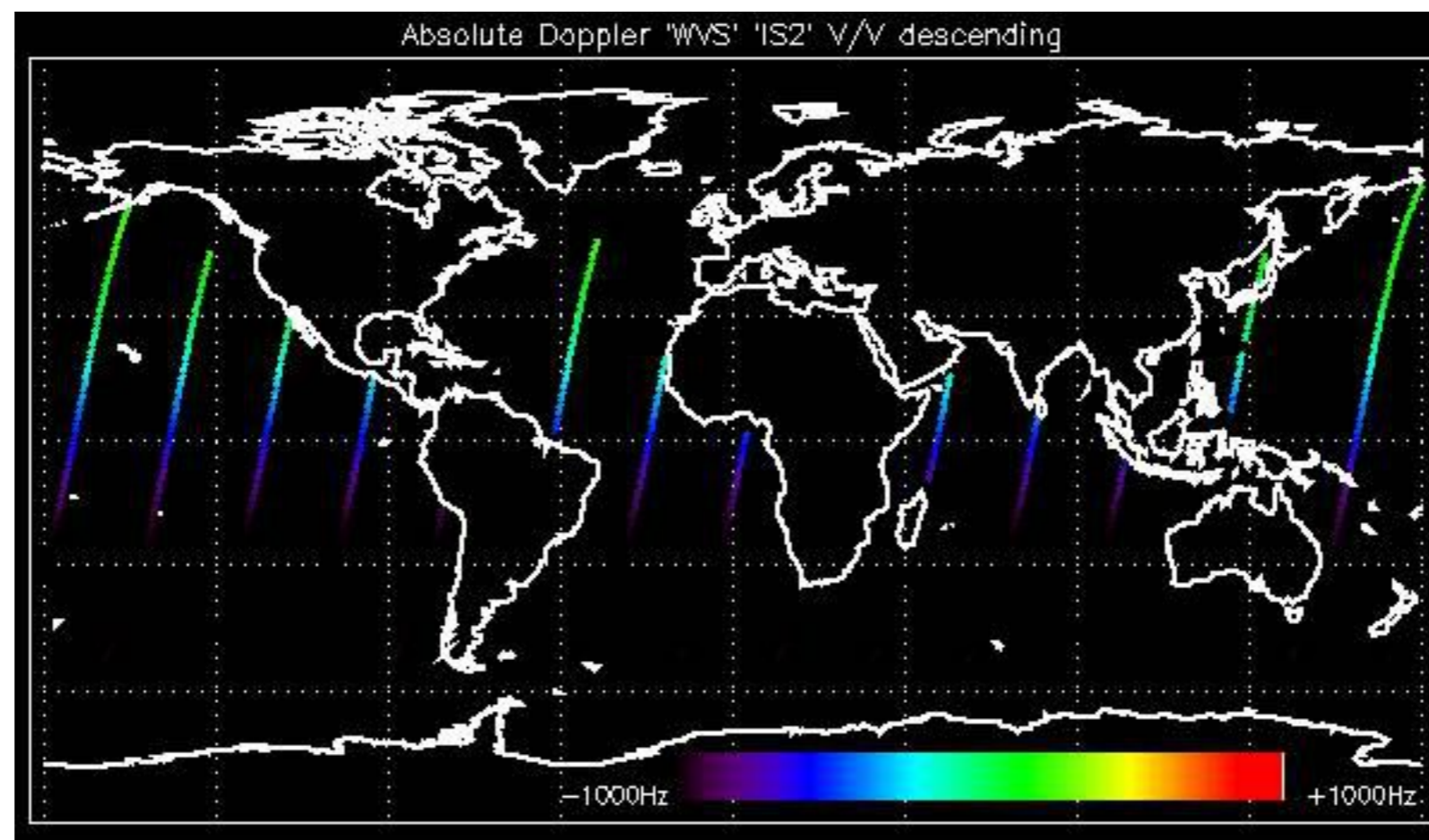
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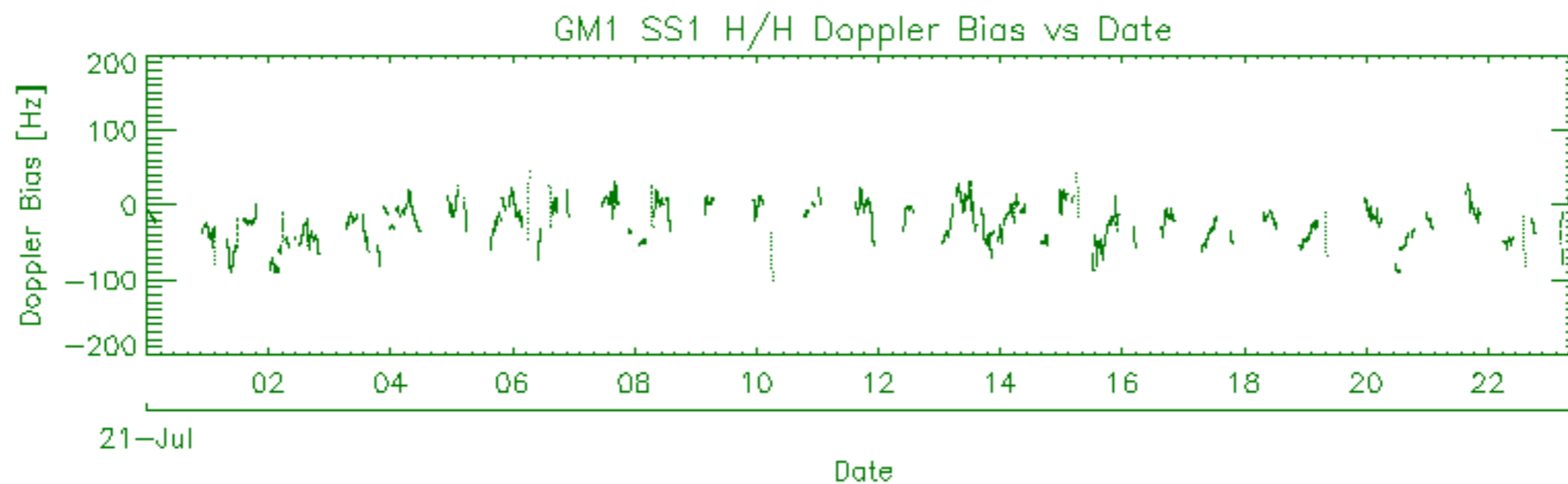
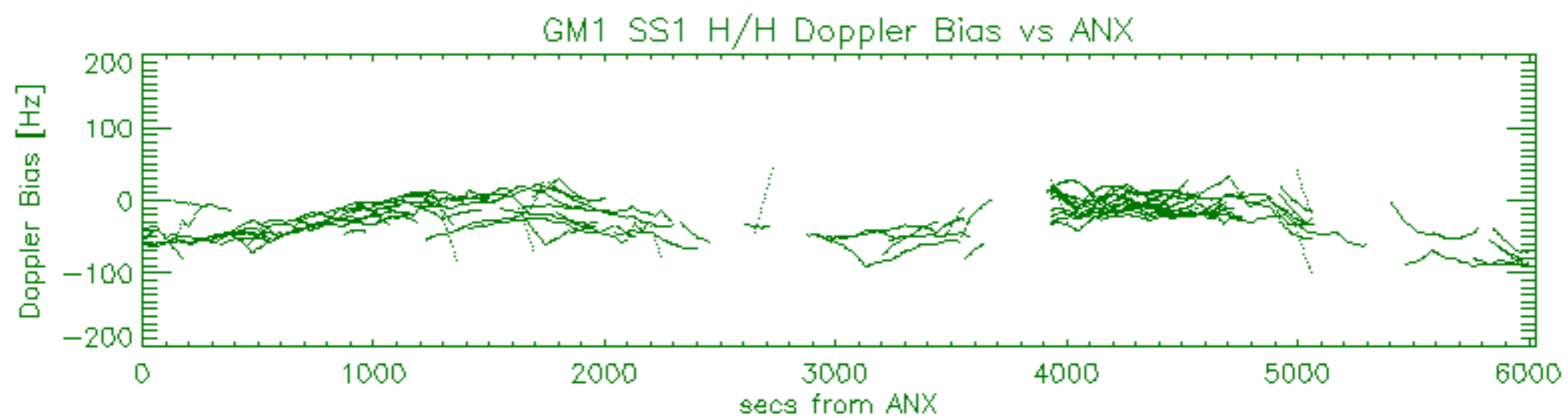
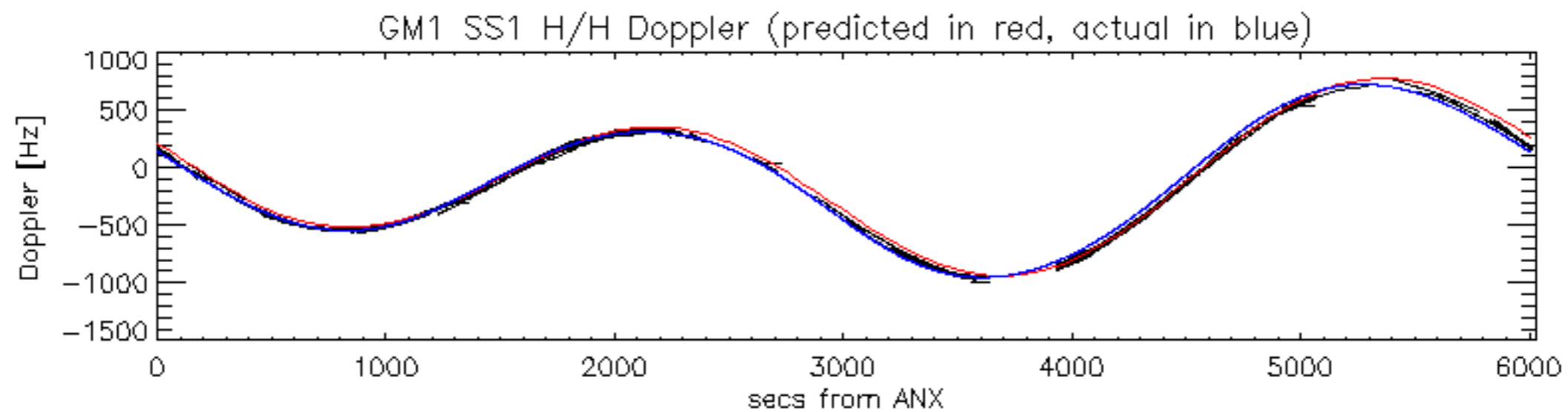


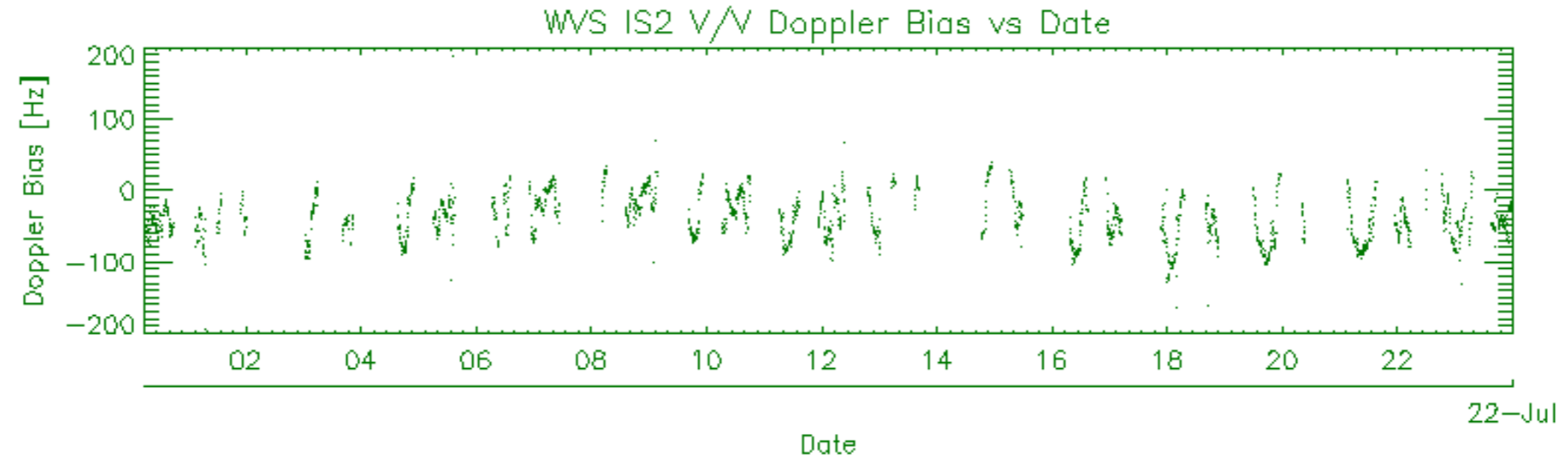
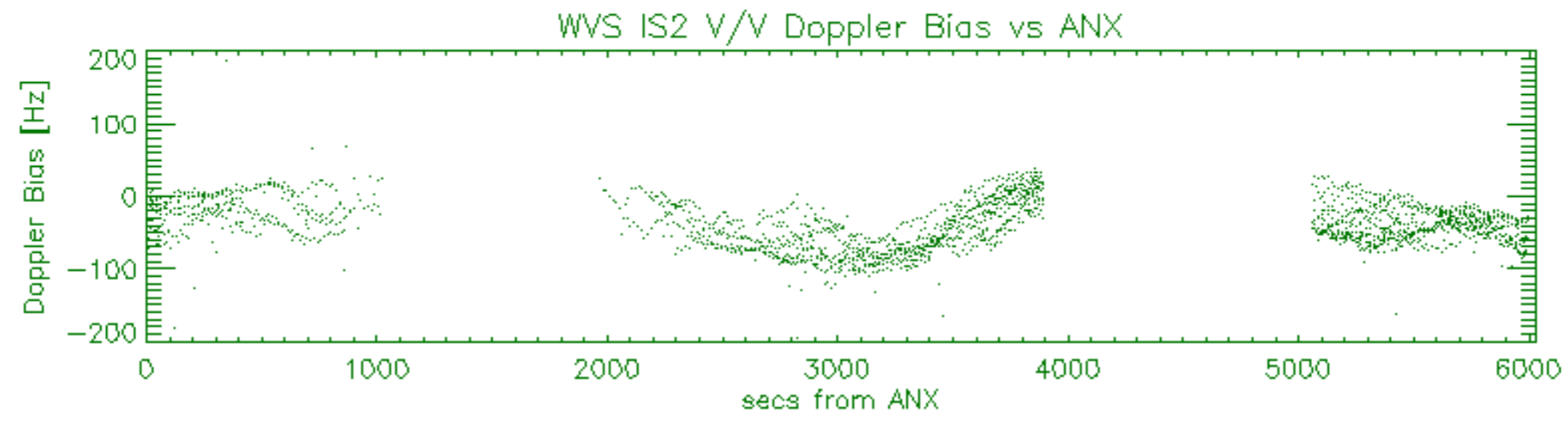
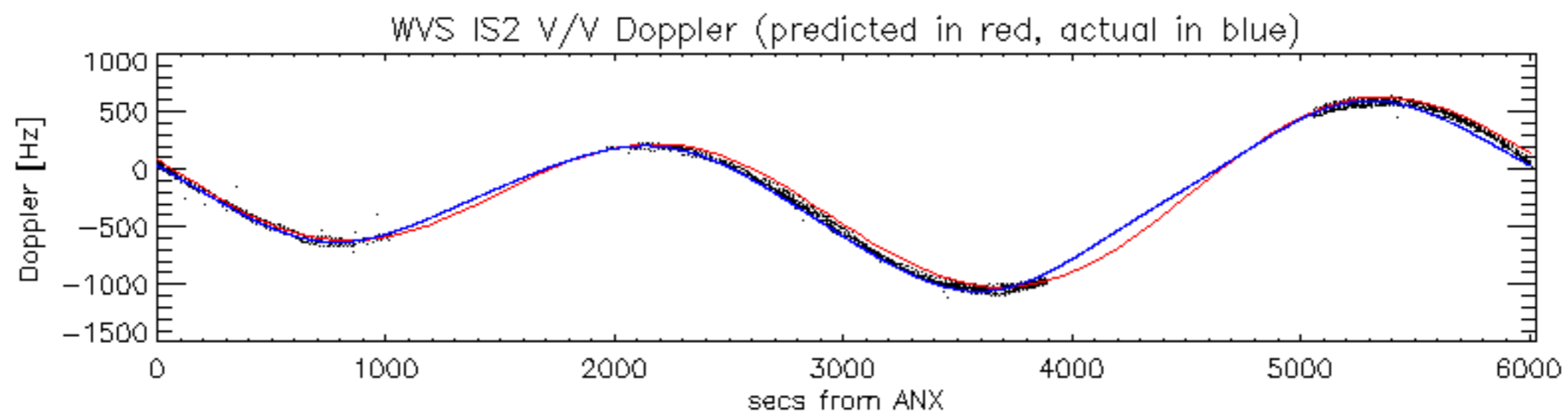


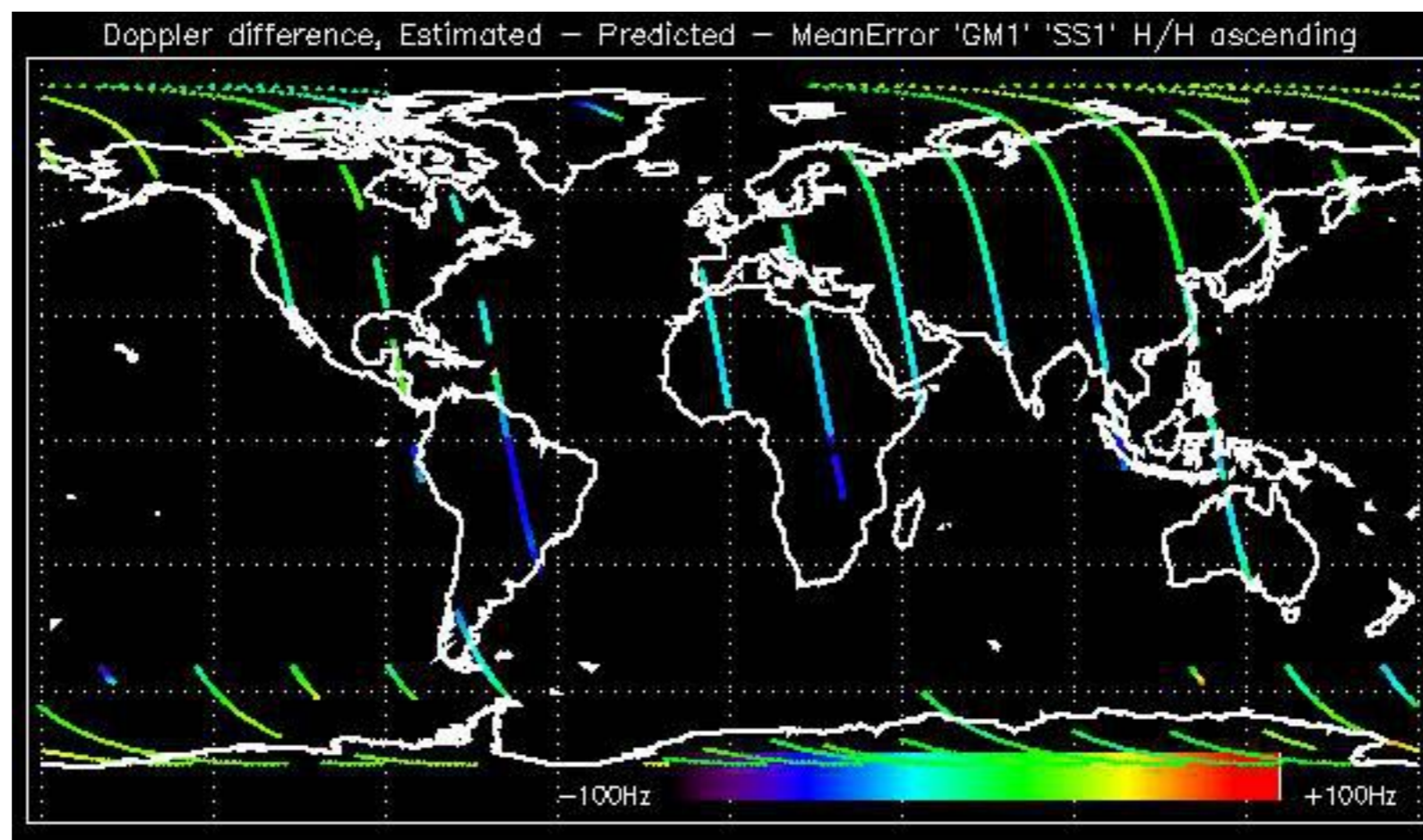


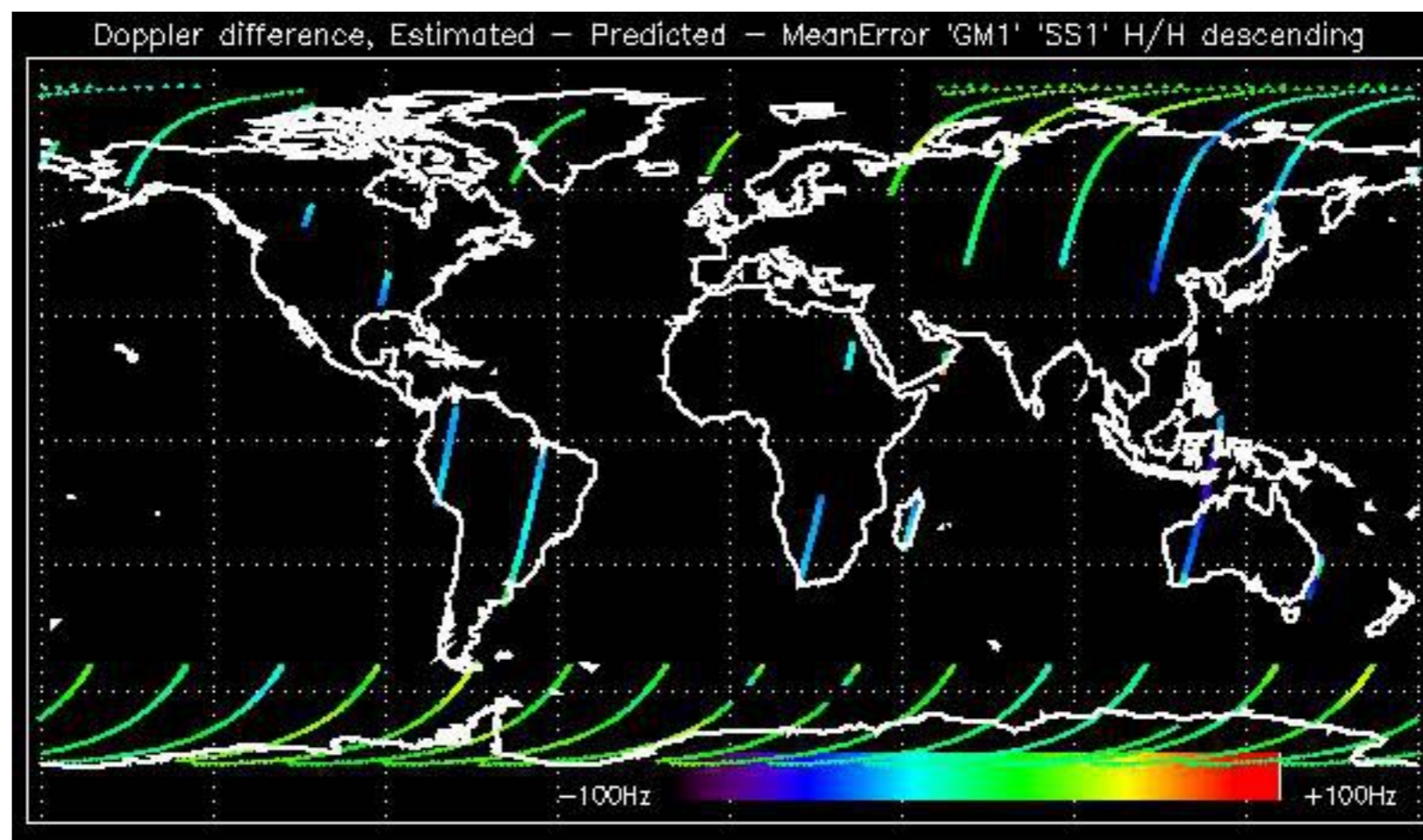




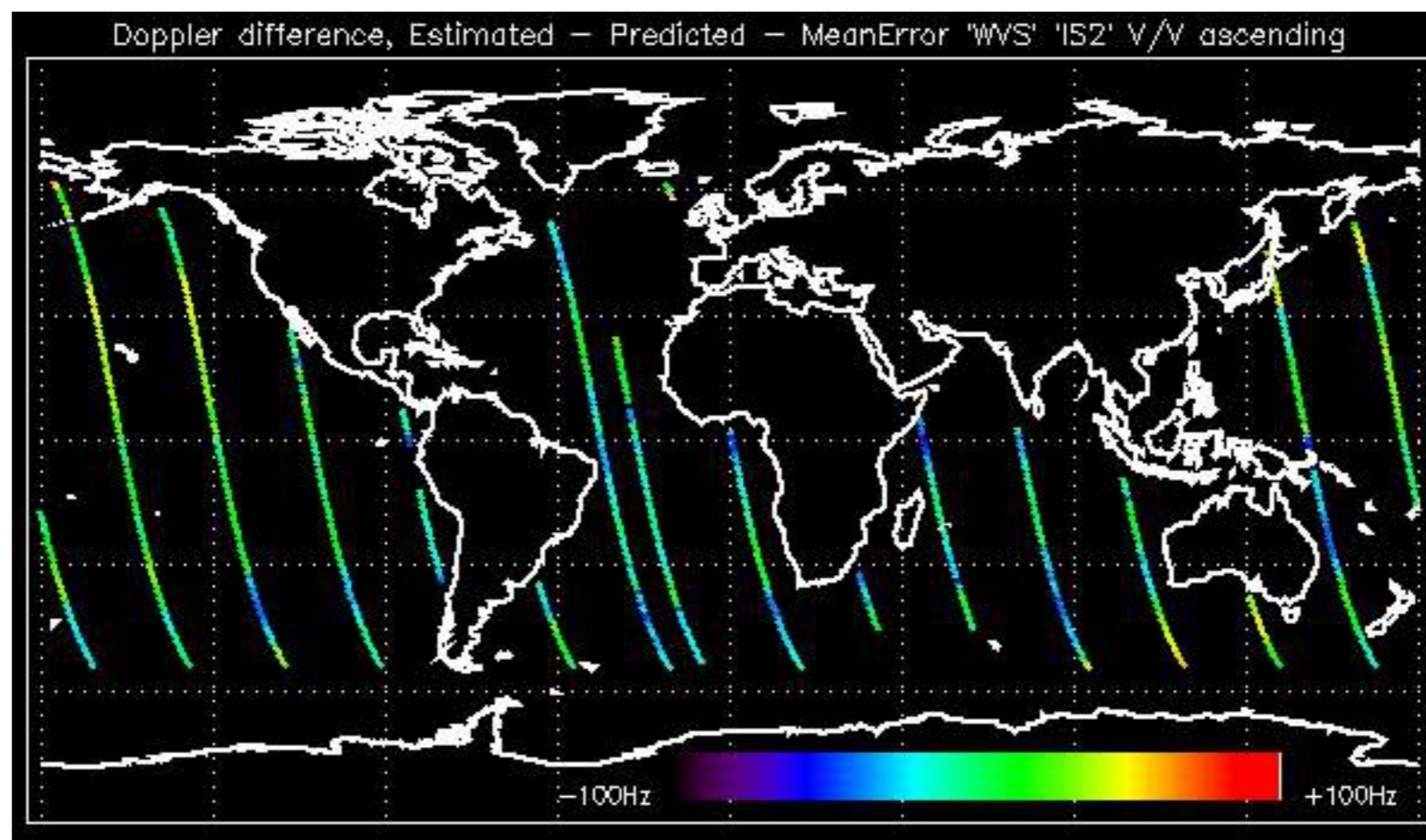


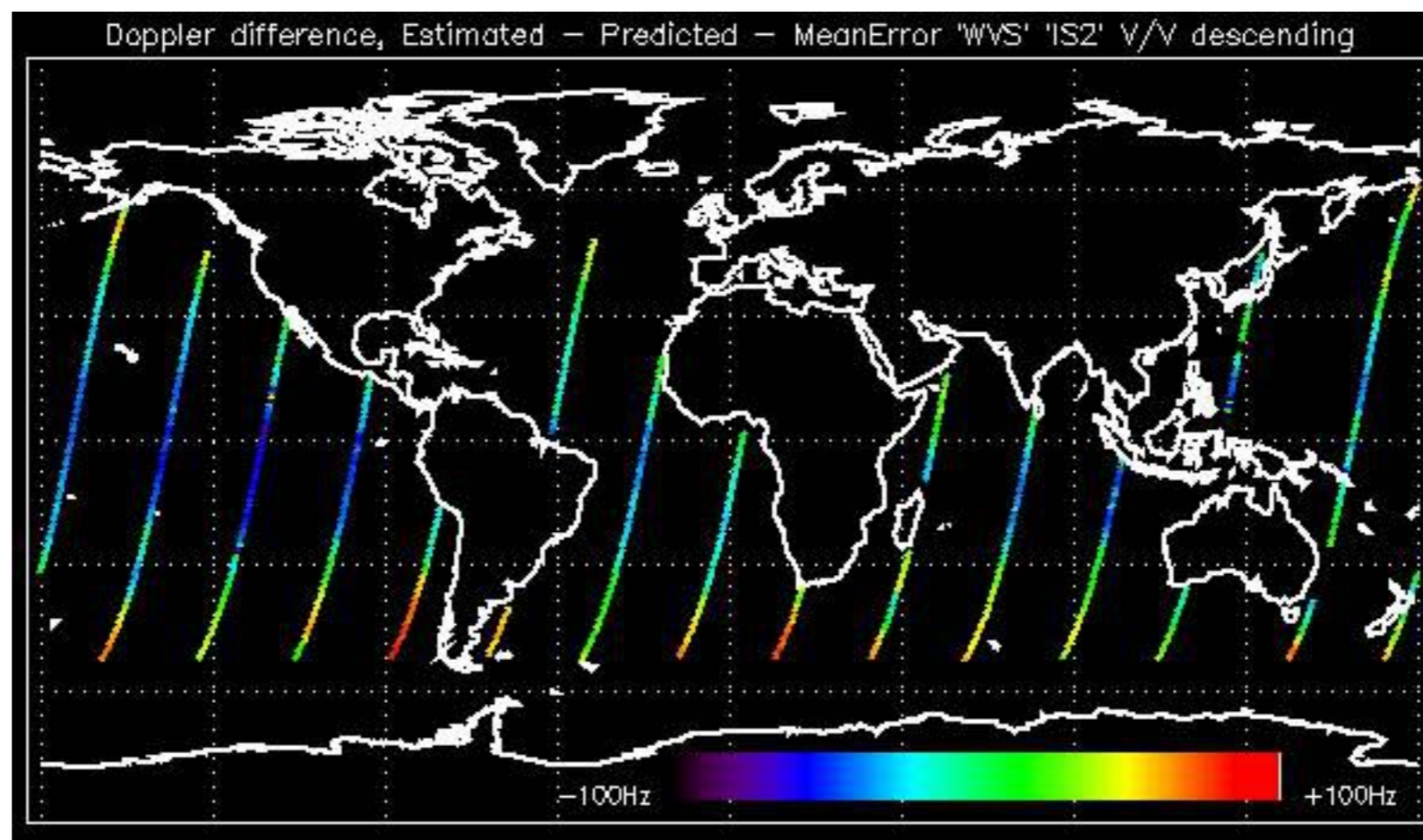


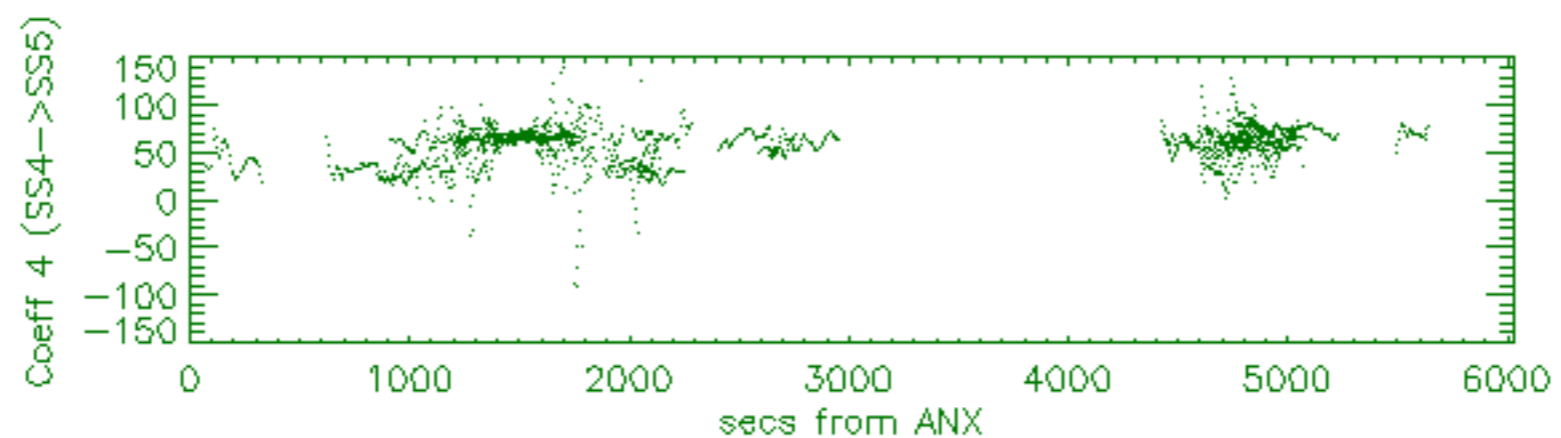
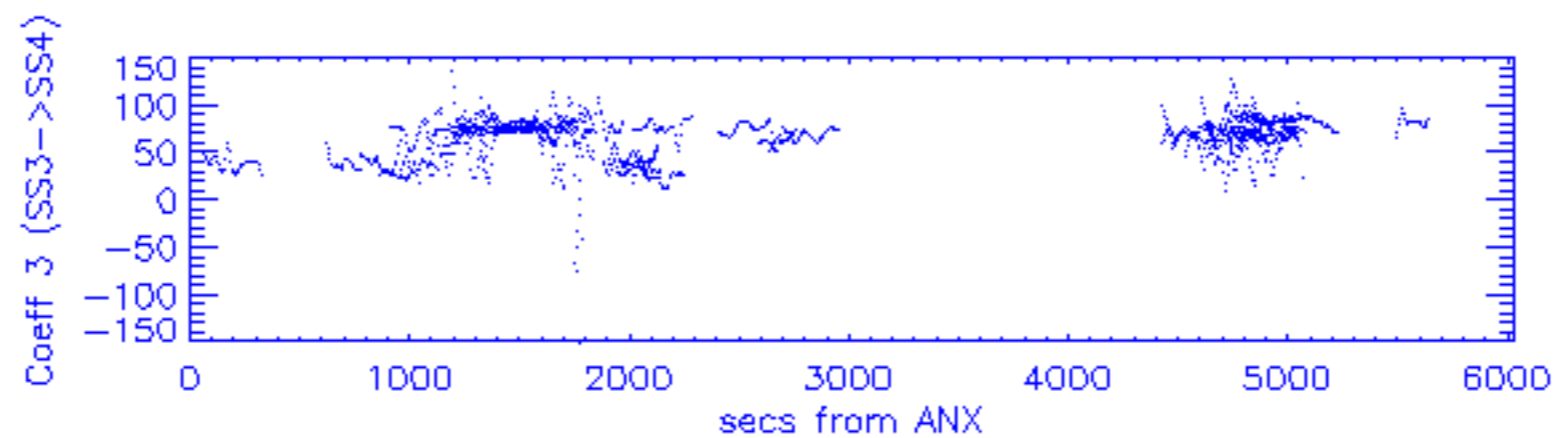
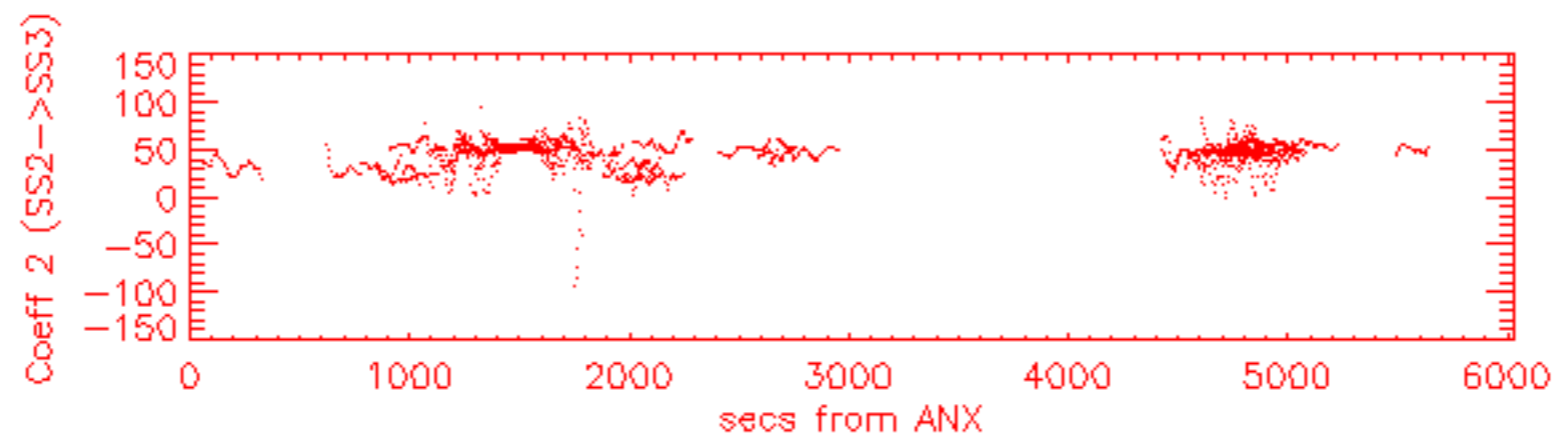
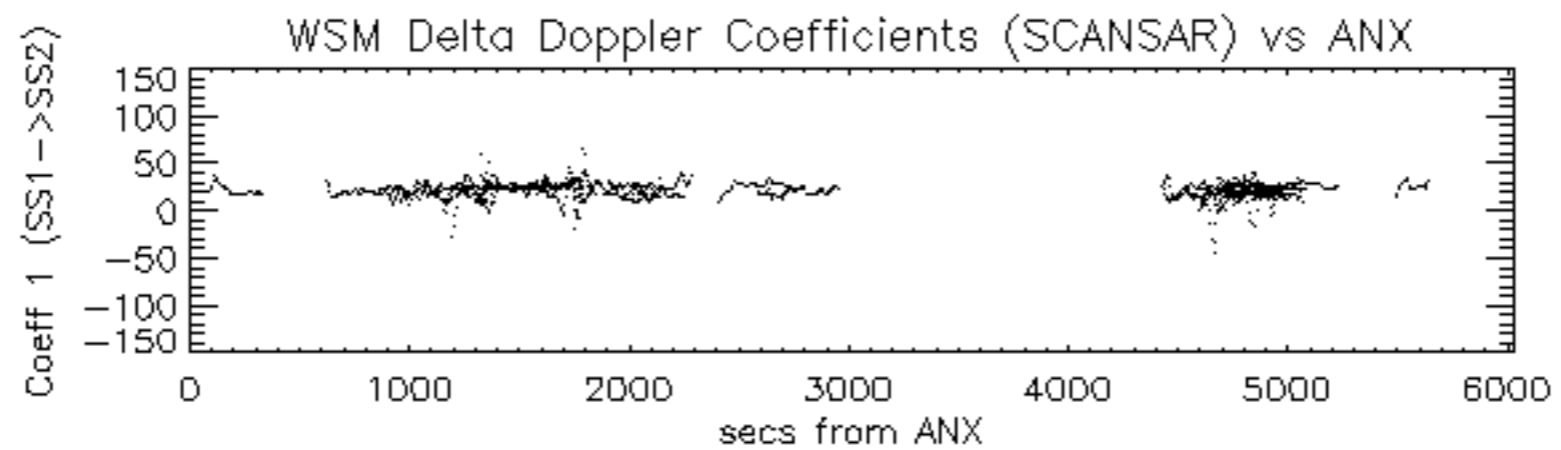


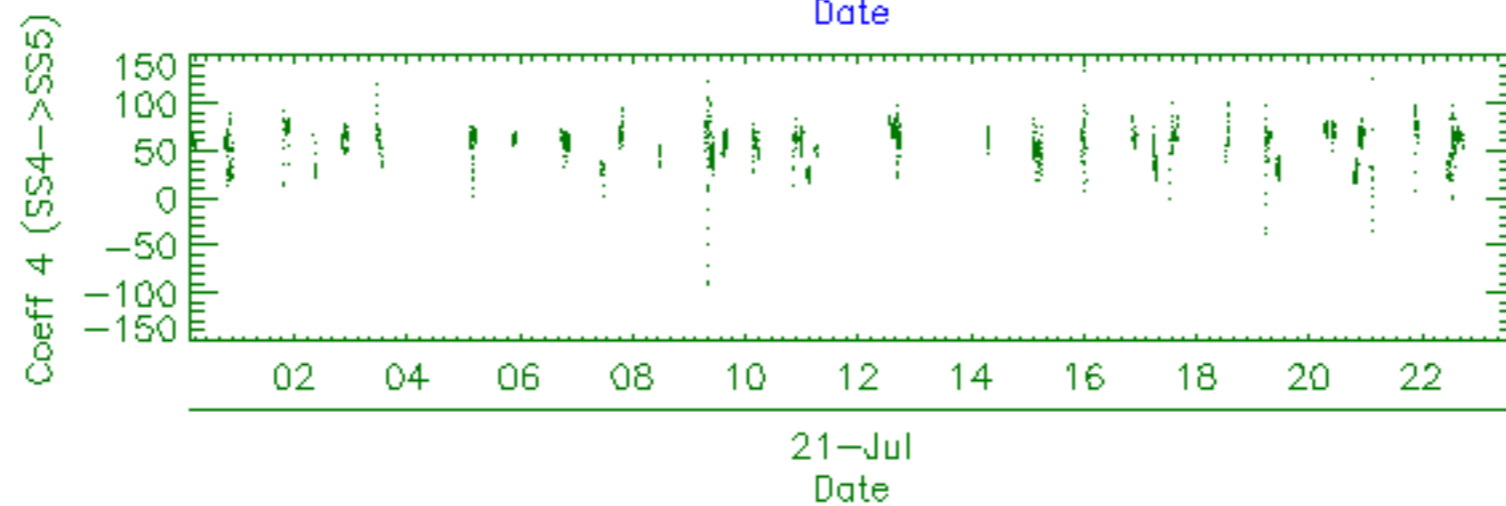
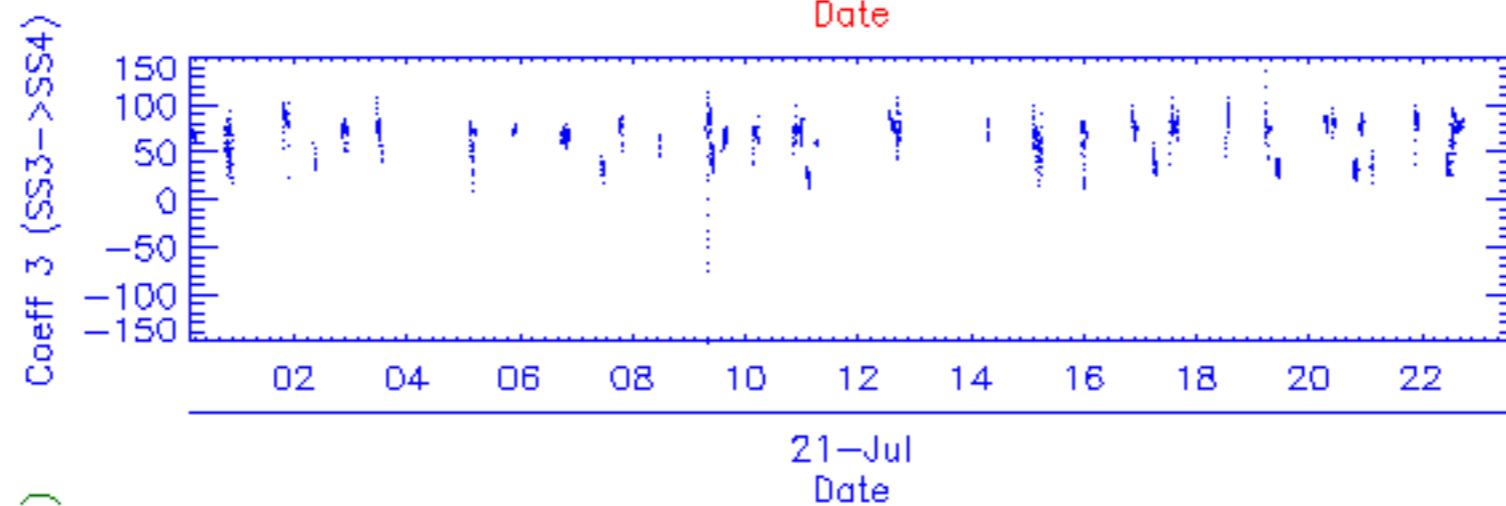
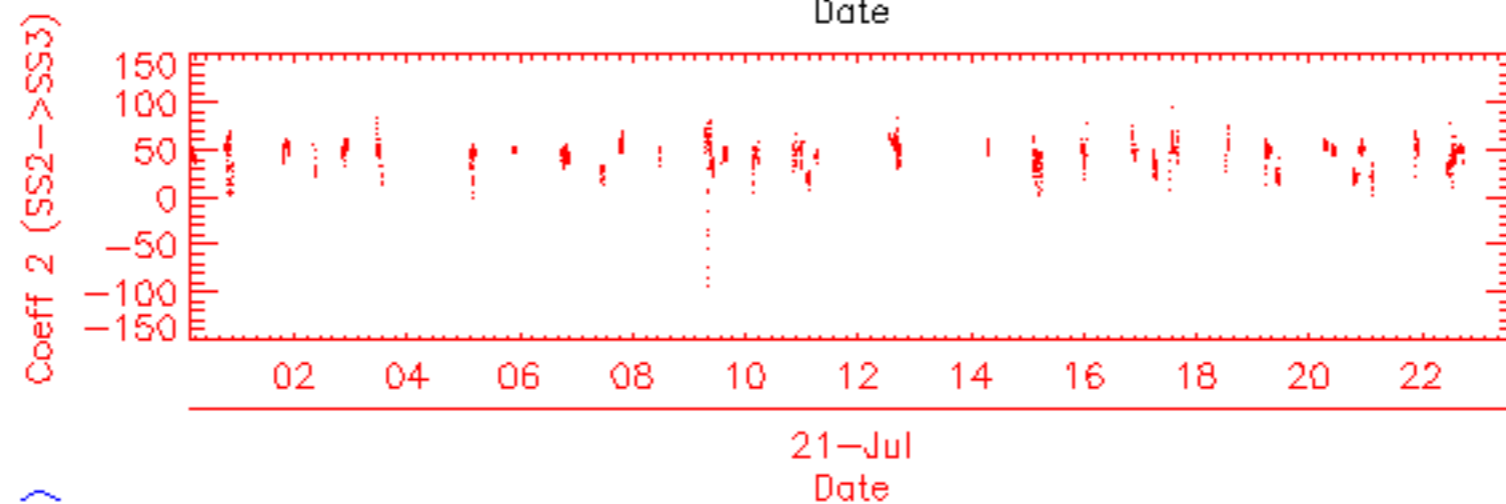
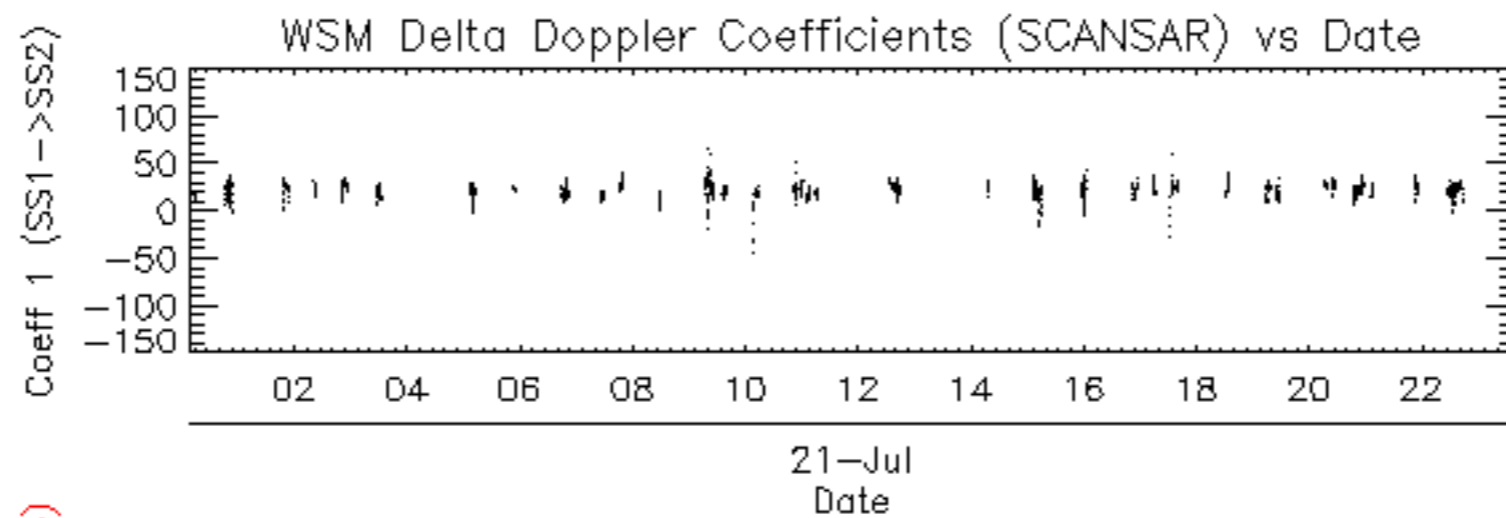




















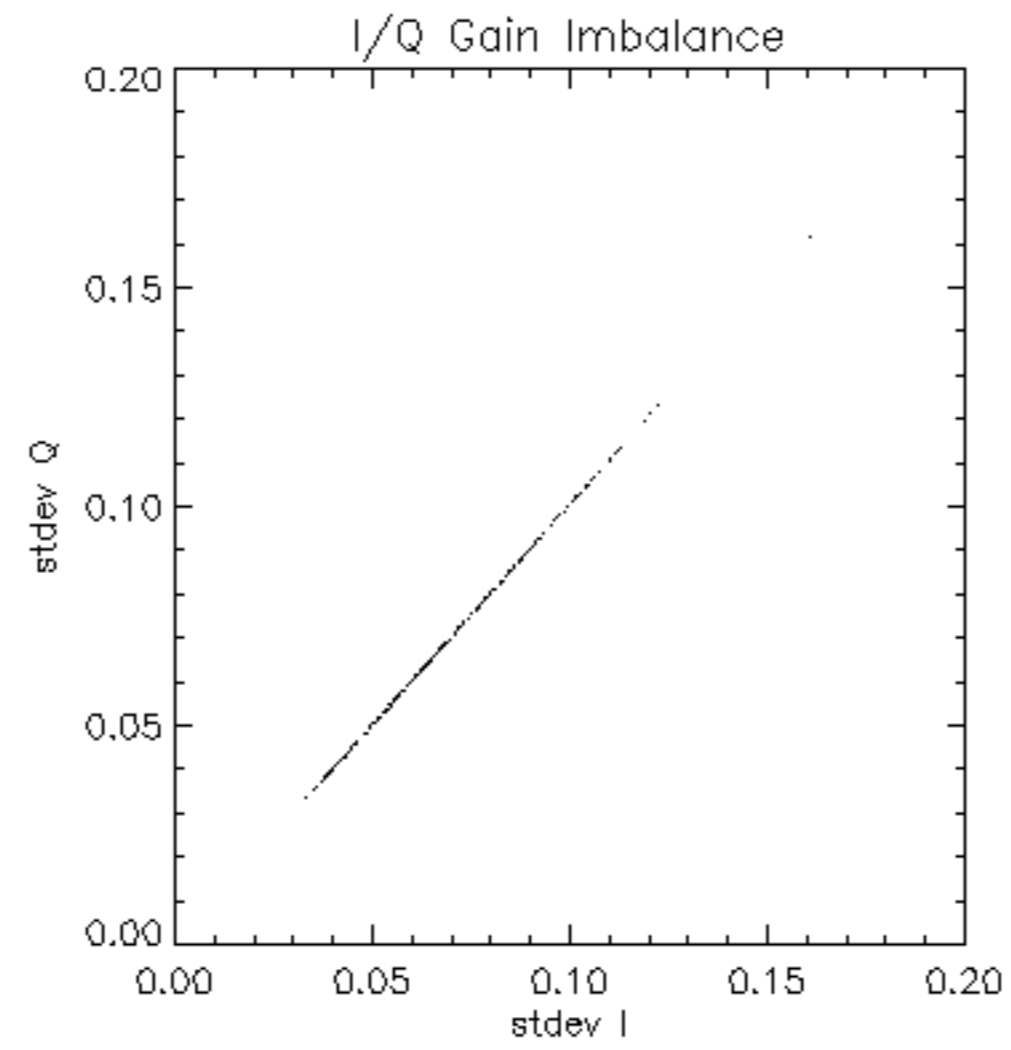


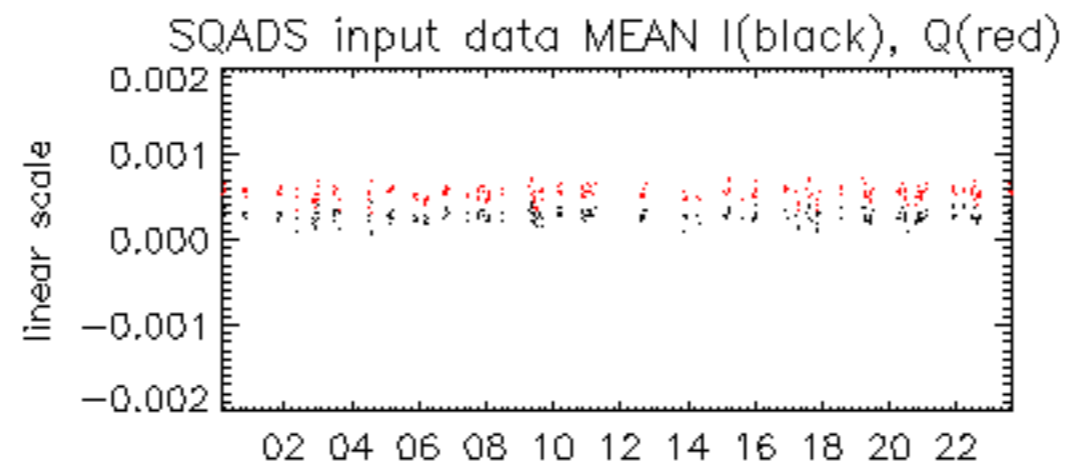




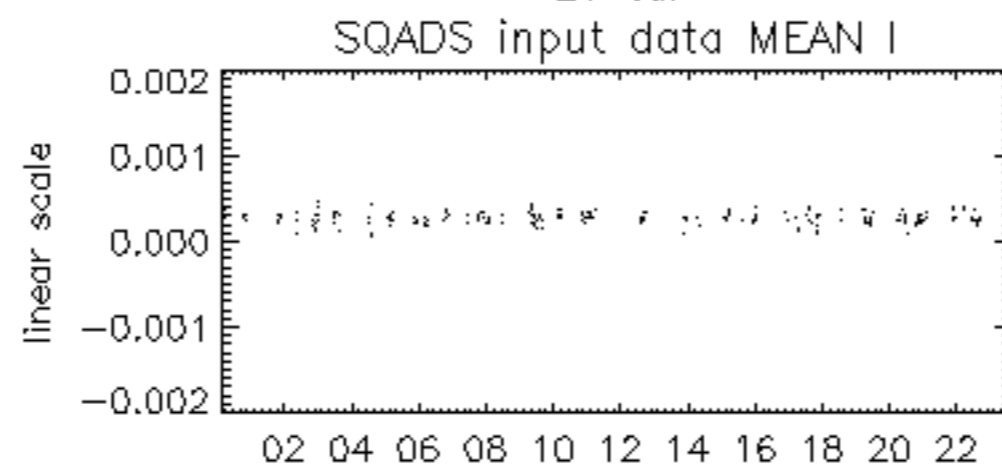




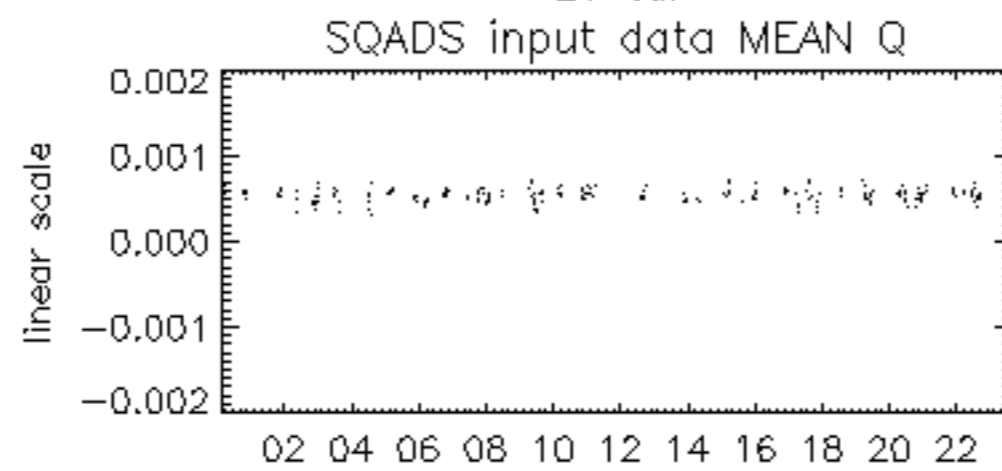




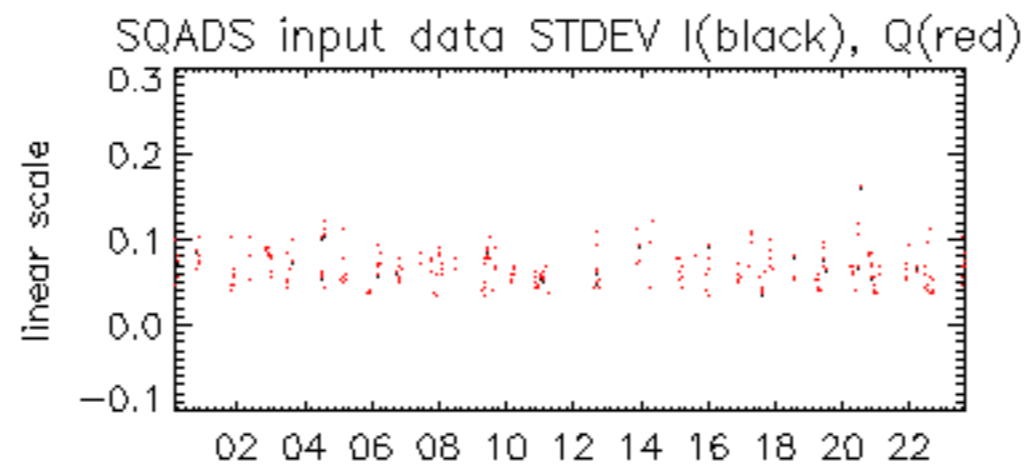
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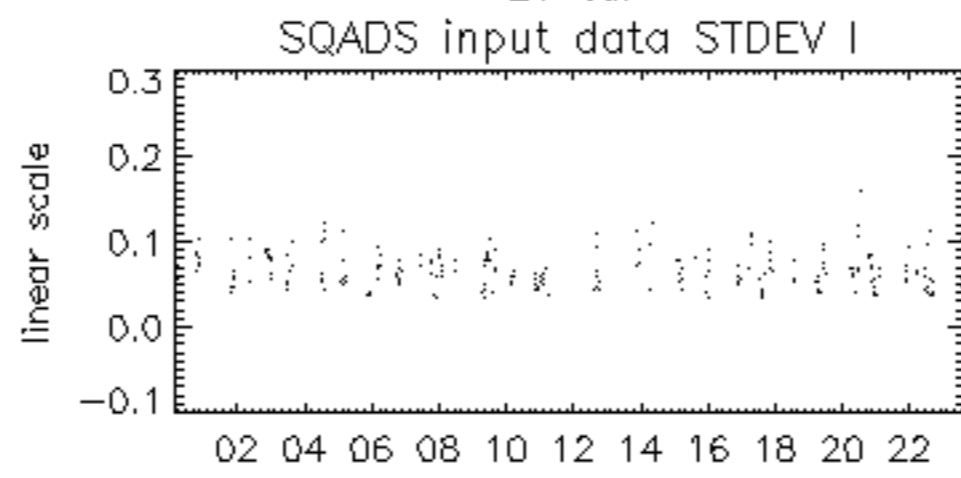
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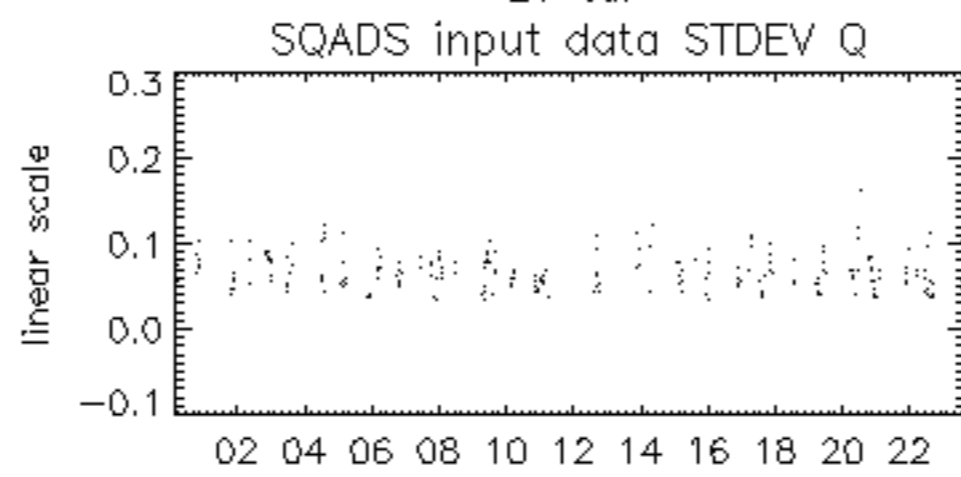
21-Jul



21-Jul



21-Jul



21-Jul

