



# ASAR Daily Report



Analysis from 06-AUG-2008 00:00:00 to 06-AUG-2008 23:59:59. Page generated on 07-AUG-2008 07:41:11.  
View log file: ASAR\_Daily\_Report\_20080807\_0730.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 | 1  | PDE    | WS   | H/H | 34 | PDE    | IS2  | H/H | 1 | PDE    | IS1  | H/H | 1  | PDE    | WS   | H/H | 32 | PDK    | 2008-08-06 17:01:55 | V   | 320     |
| PDE    | IS2  | V/V | 23 | PDK    | WS   | H/H | 48 | PDE    | IS3  | H/V | 1 | PDE    | IS1  | V/V | 1  | PDE    | WS   | V/V | 12 |        |                     |     |         |
| PDK    | IS2  | V/V | 23 |        |      |     |    | PDE    | IS4  | H/V | 1 | PDE    | IS2  | H/H | 2  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    | PDE    | IS7  | V/H | 1 | PDE    | IS2  | V/V | 10 |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDE    | IS3  | V/V | 1  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDE    | IS4  | H/H | 1  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDE    | IS7  | V/V | 1  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDK    | IS2  | H/H | 2  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDK    | IS2  | V/V | 4  |        |      |     |    |        |                     |     |         |
|        |      |     |    |        |      |     |    |        |      |     |   | PDK    | IS5  | 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_AXVIEC20080710_132557_20070204_165113_20081231_000000 |
| ASA_INS_AXVIEC20071218_083603_20070307_060000_20081231_000000 |
| ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000 |
| ASA_XCA_AXVIEC20080710_133546_20070204_165113_20081231_000000 |

### 2.2 - Products with wrong ADFs

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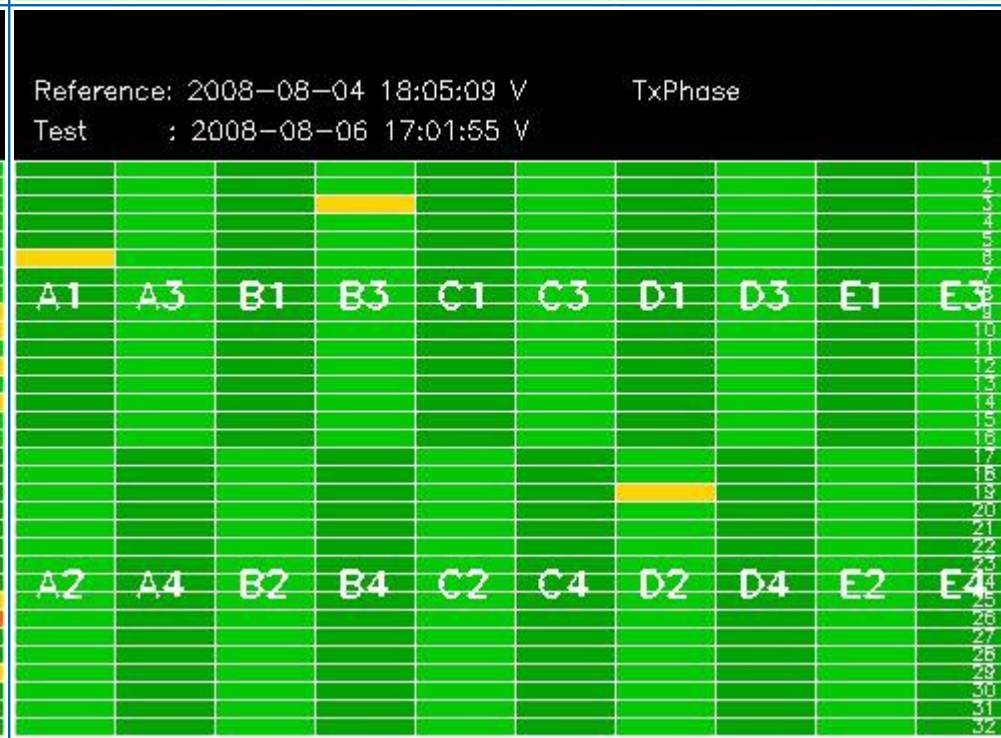
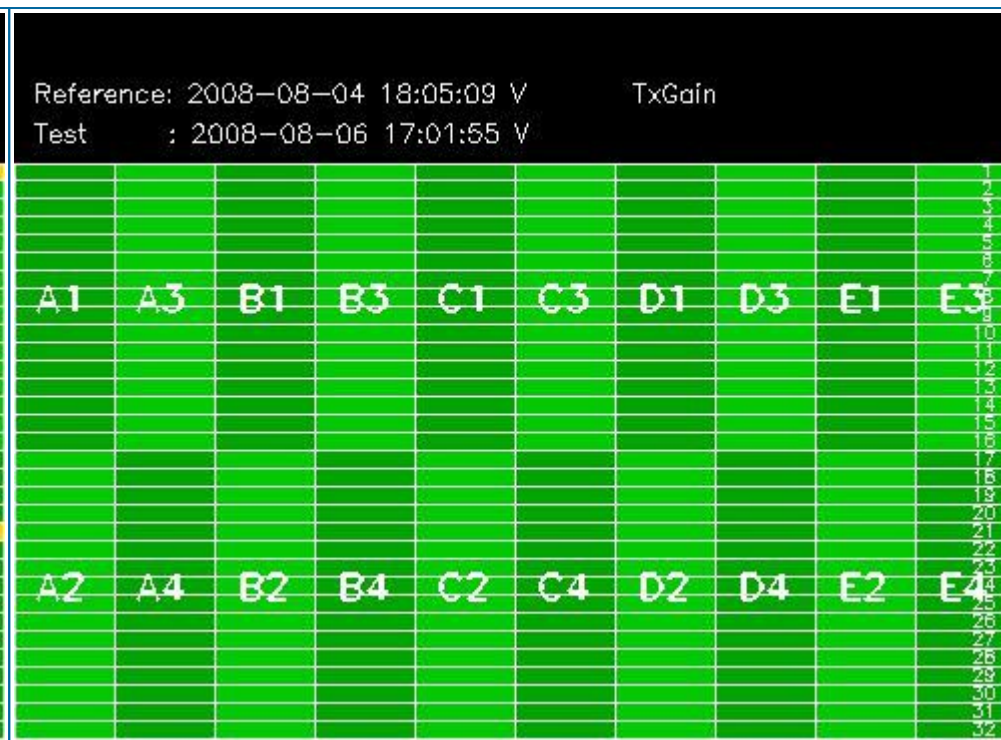
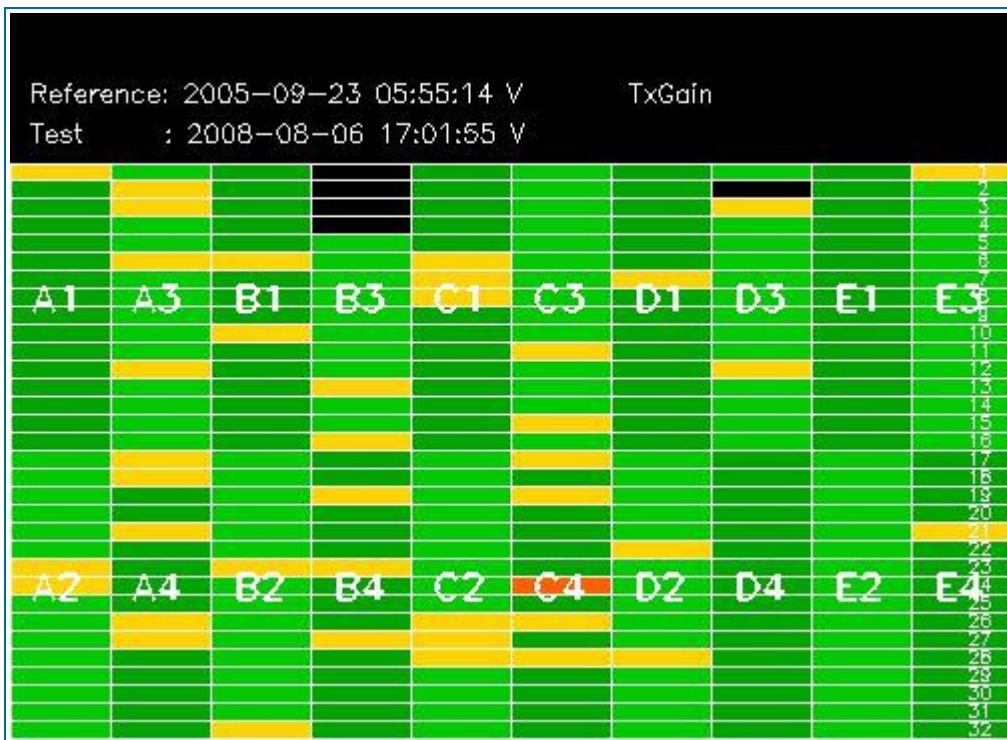
| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|---------|---------|---------|---------|---------|
| WVS     | 0       | 0       | 0       | 0       |
| GM1     | 0       | 0       | 0       | 0       |
| APM     | 0       | 0       | 0       | 0       |
| IMM     | 0       | 0       | 0       | 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



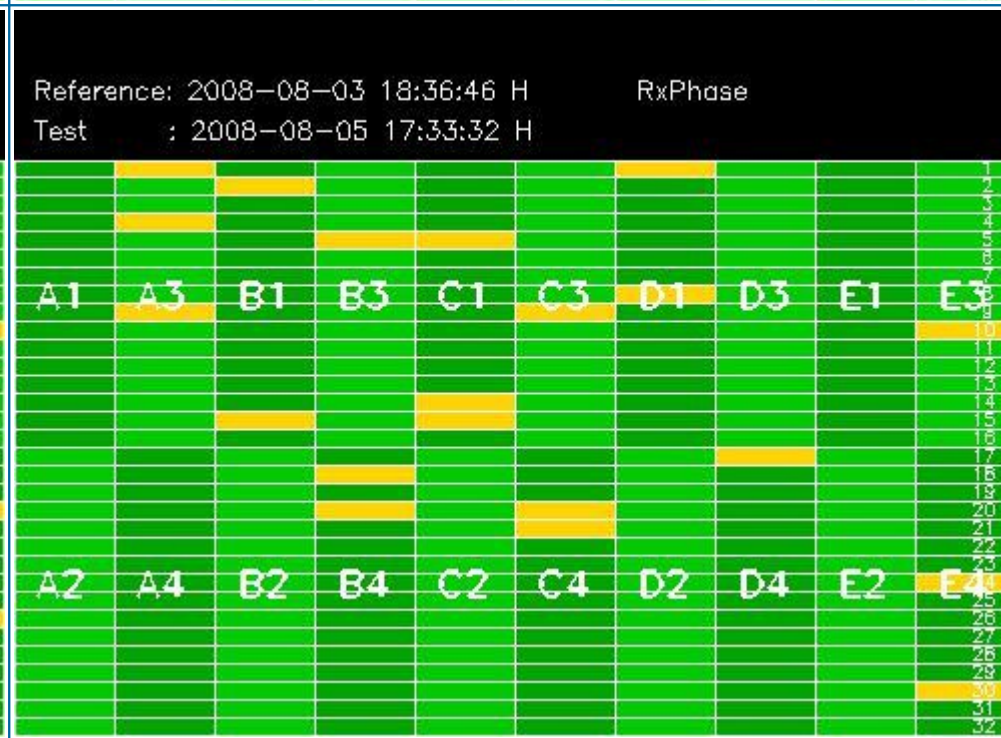
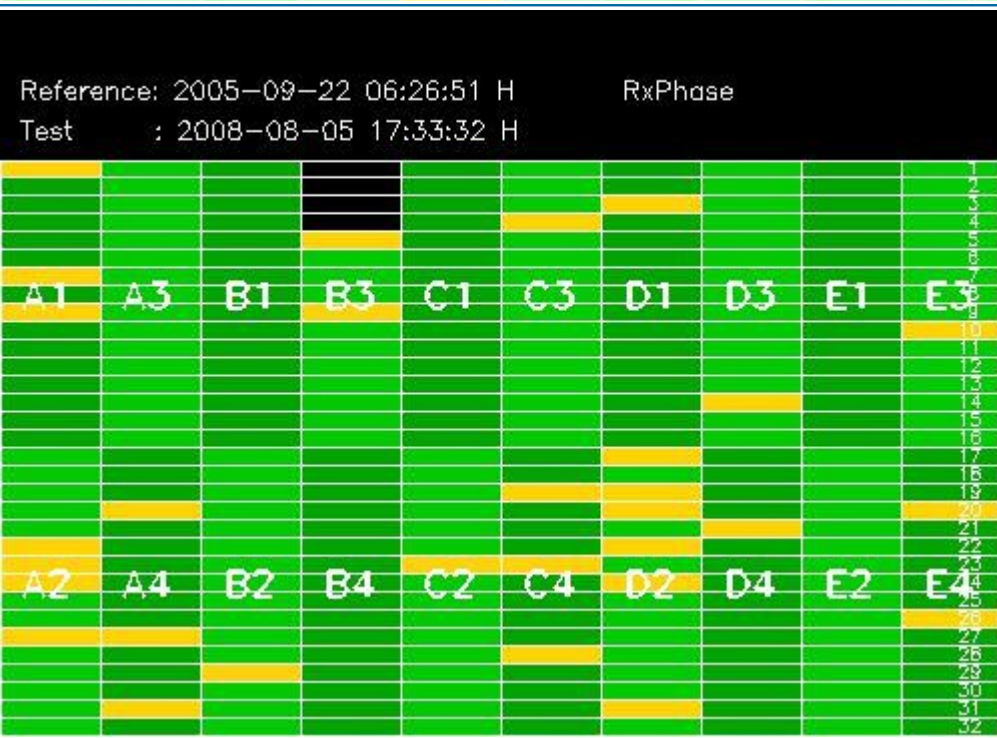
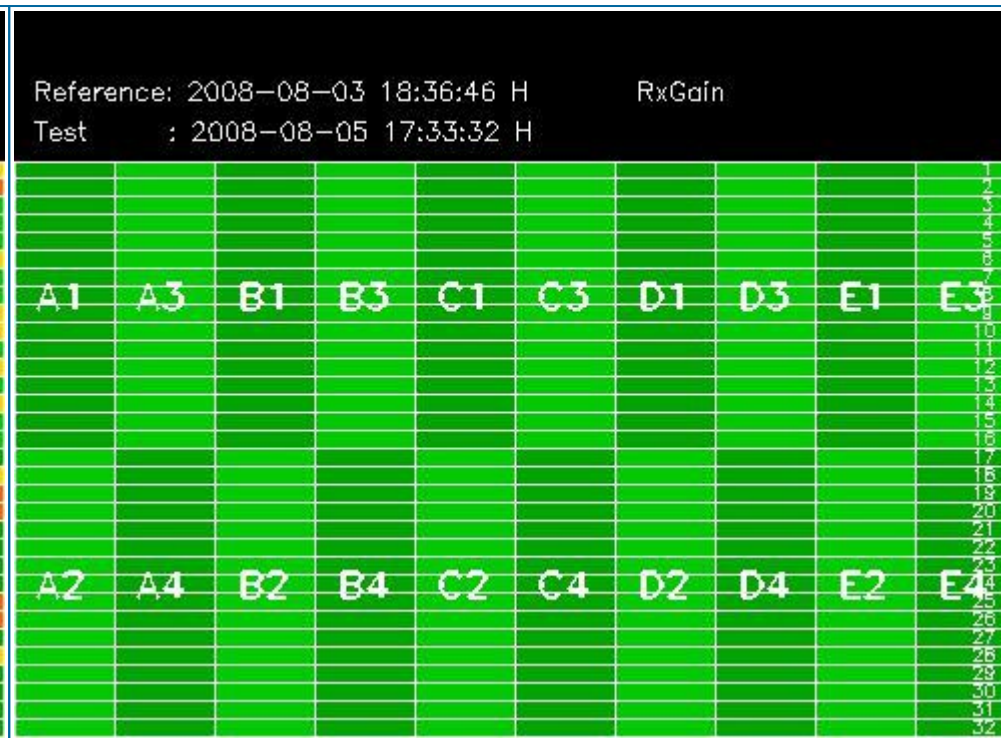




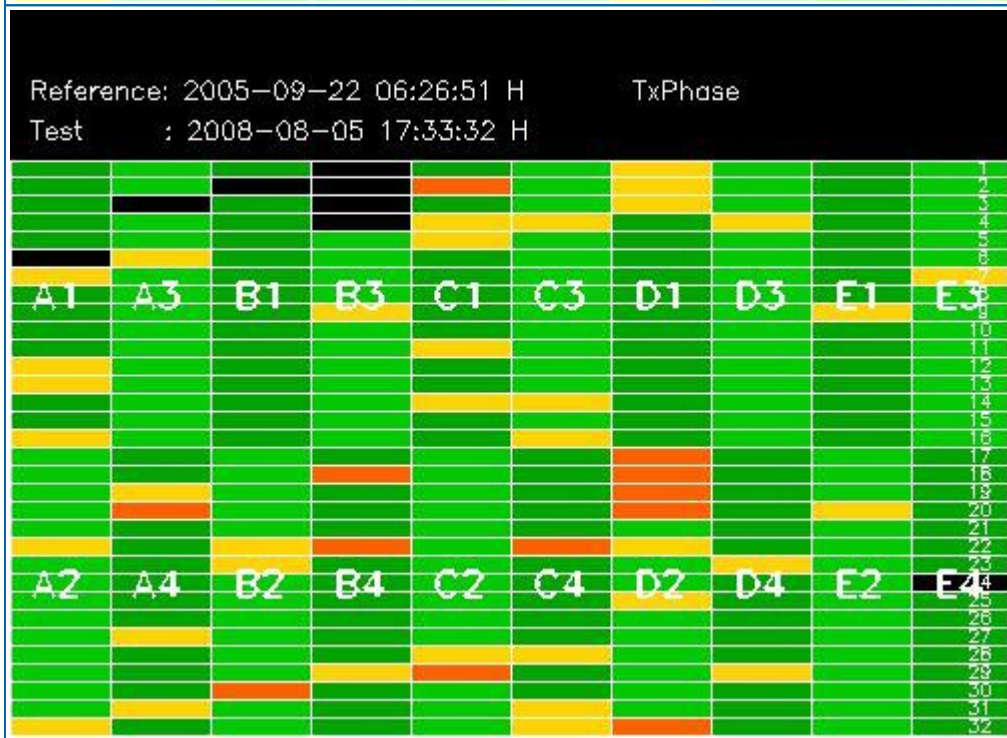
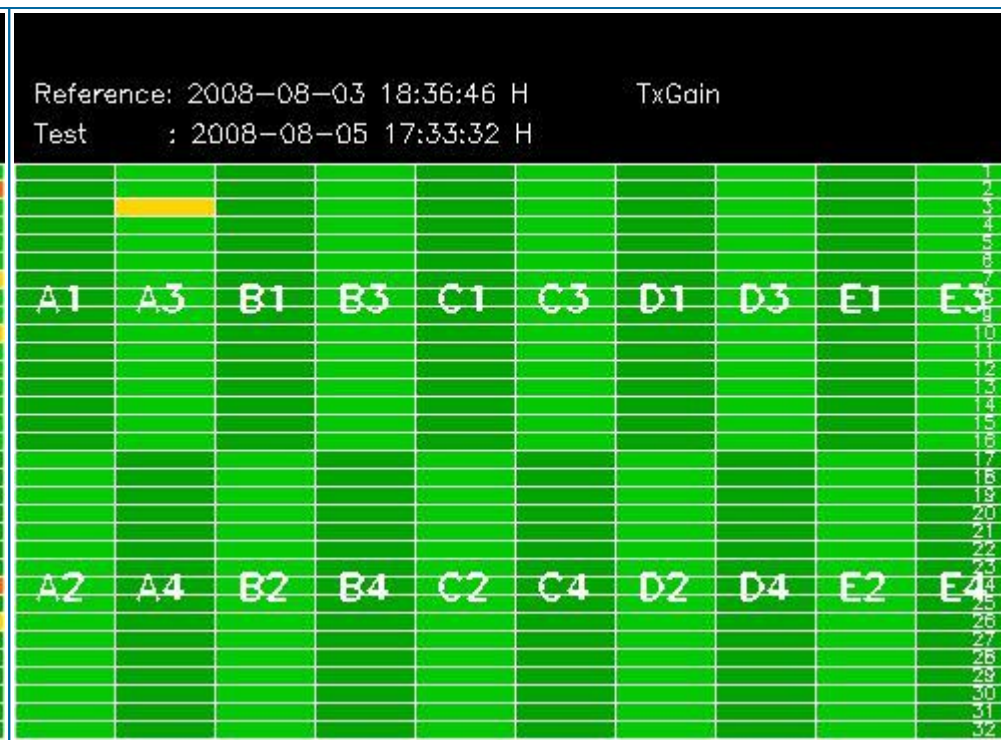
### 3.2 - H/H polarisation

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







## 4 - CALIBRATION PULSES ANALYSIS

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

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

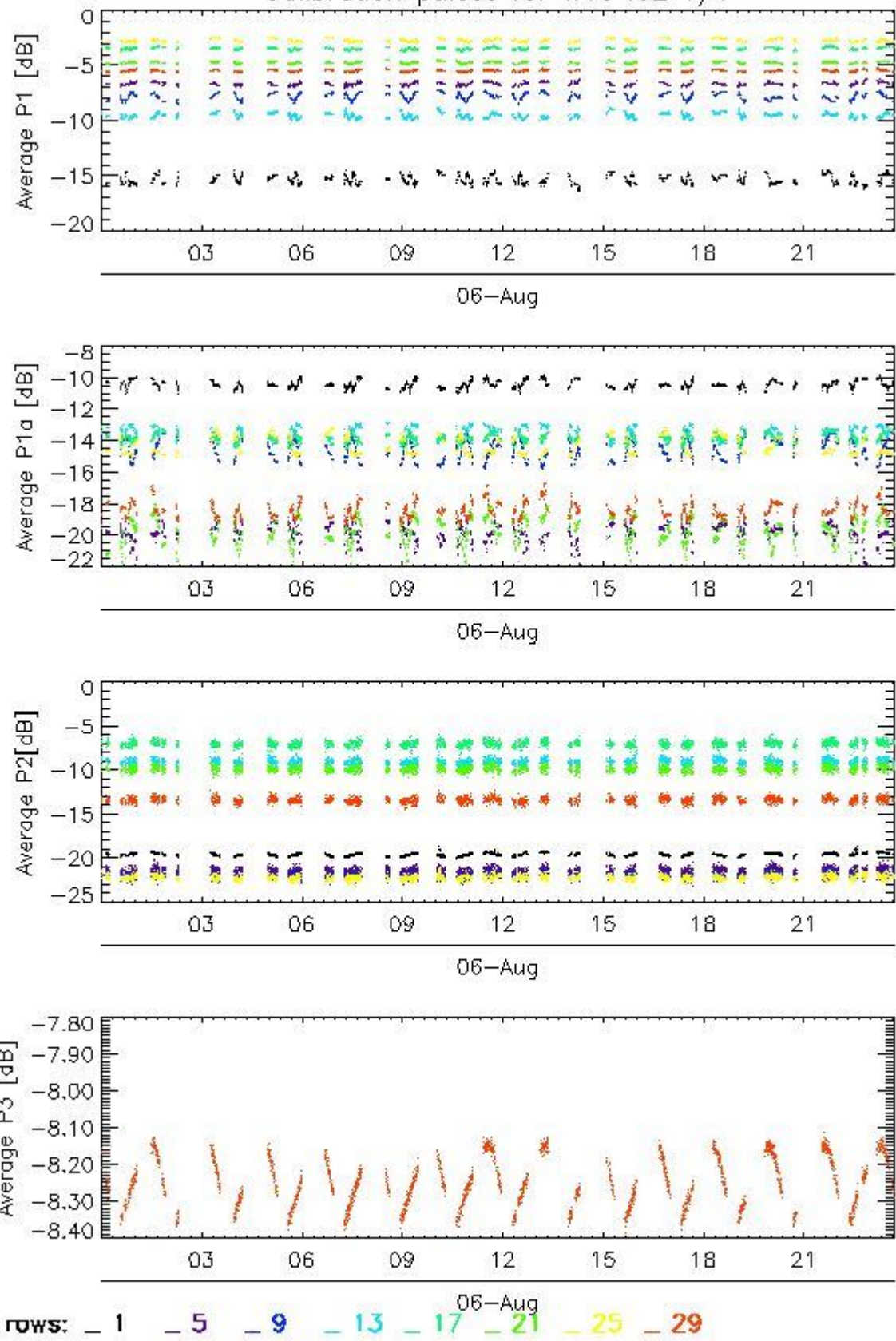
[ BACK TO MENU ]

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

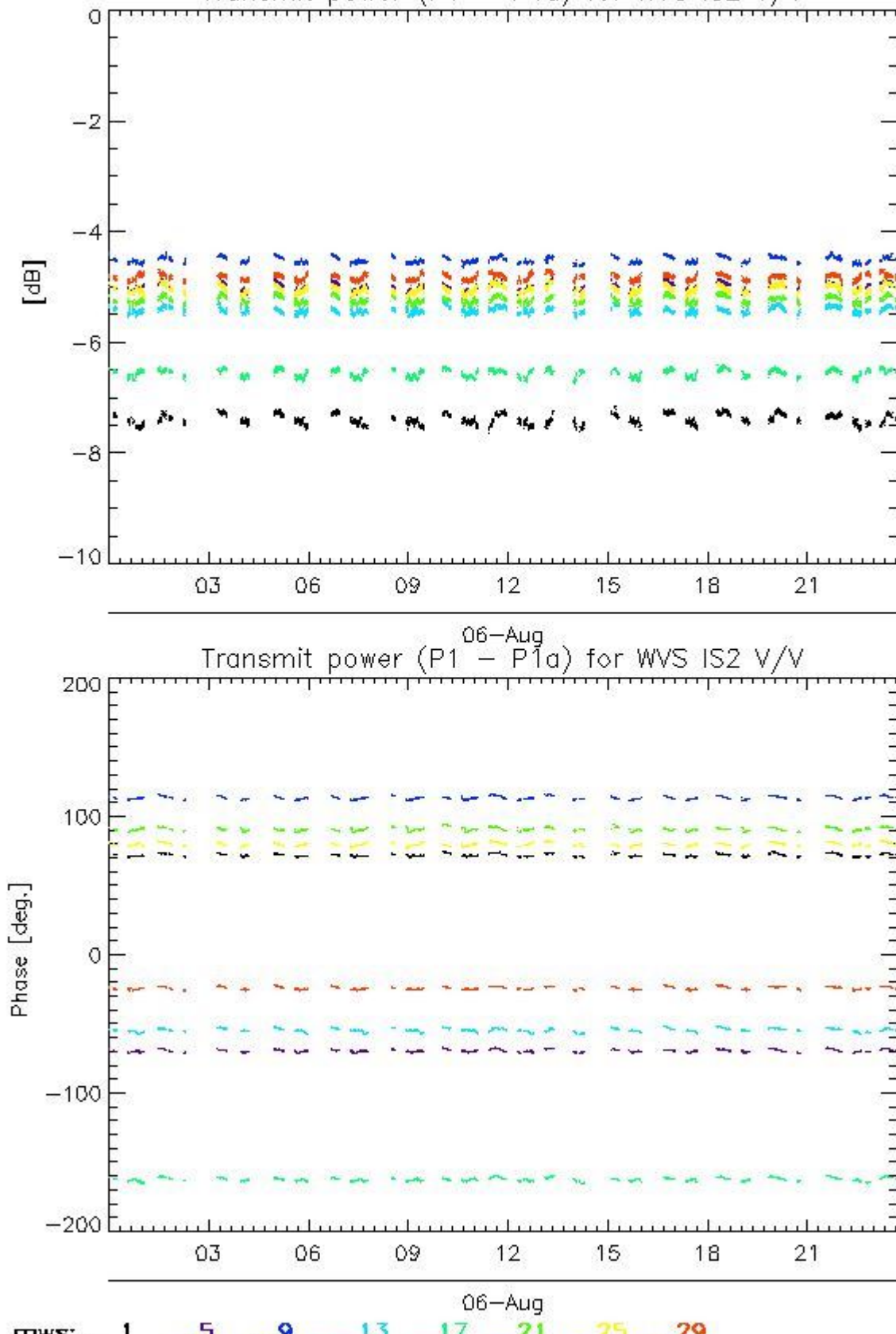
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for WVS IS2 V/V



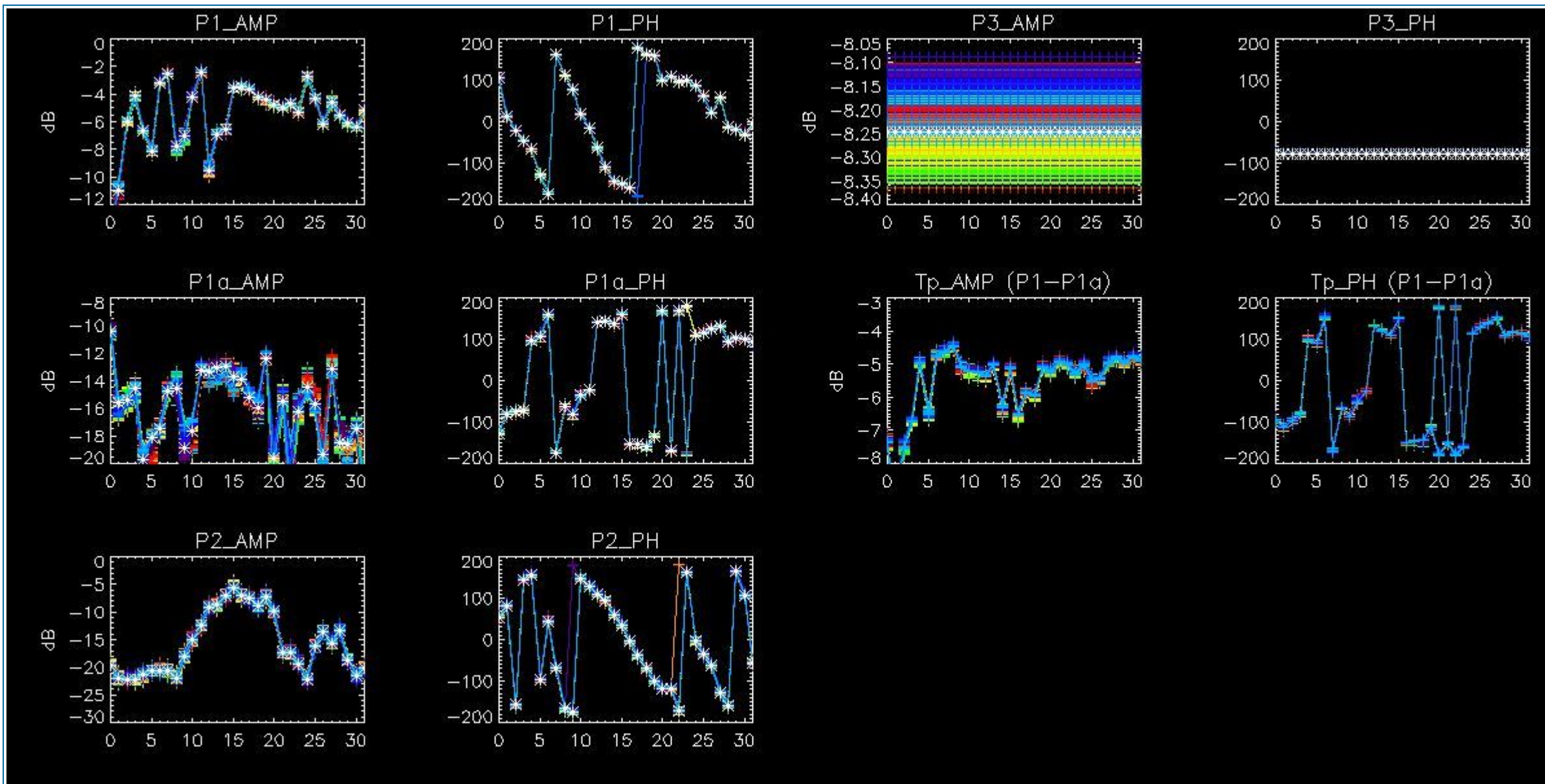
Transmit power (P1 - P1a) for WVS IS2 V/V



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

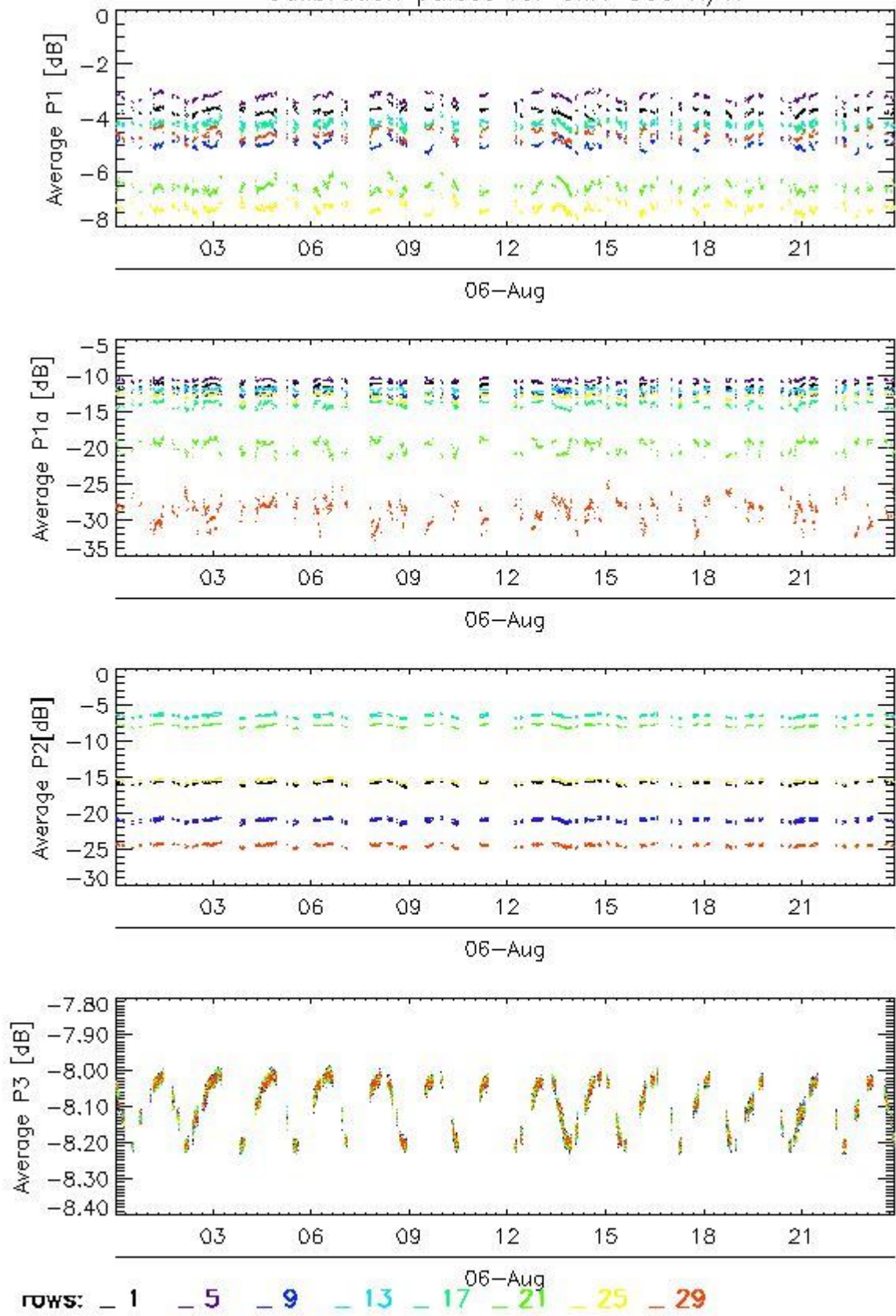
[ BACK TO MENU ]

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

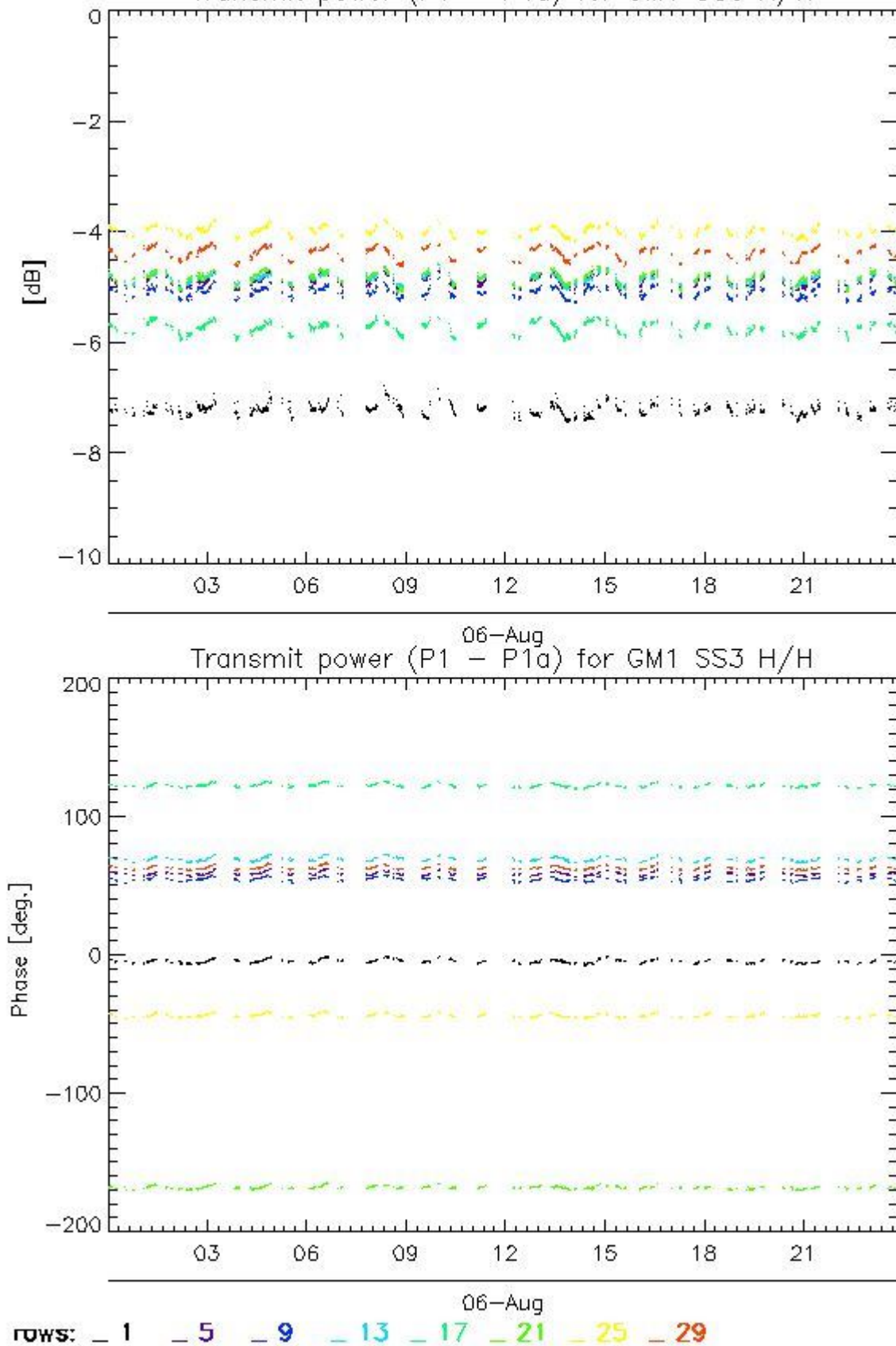
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



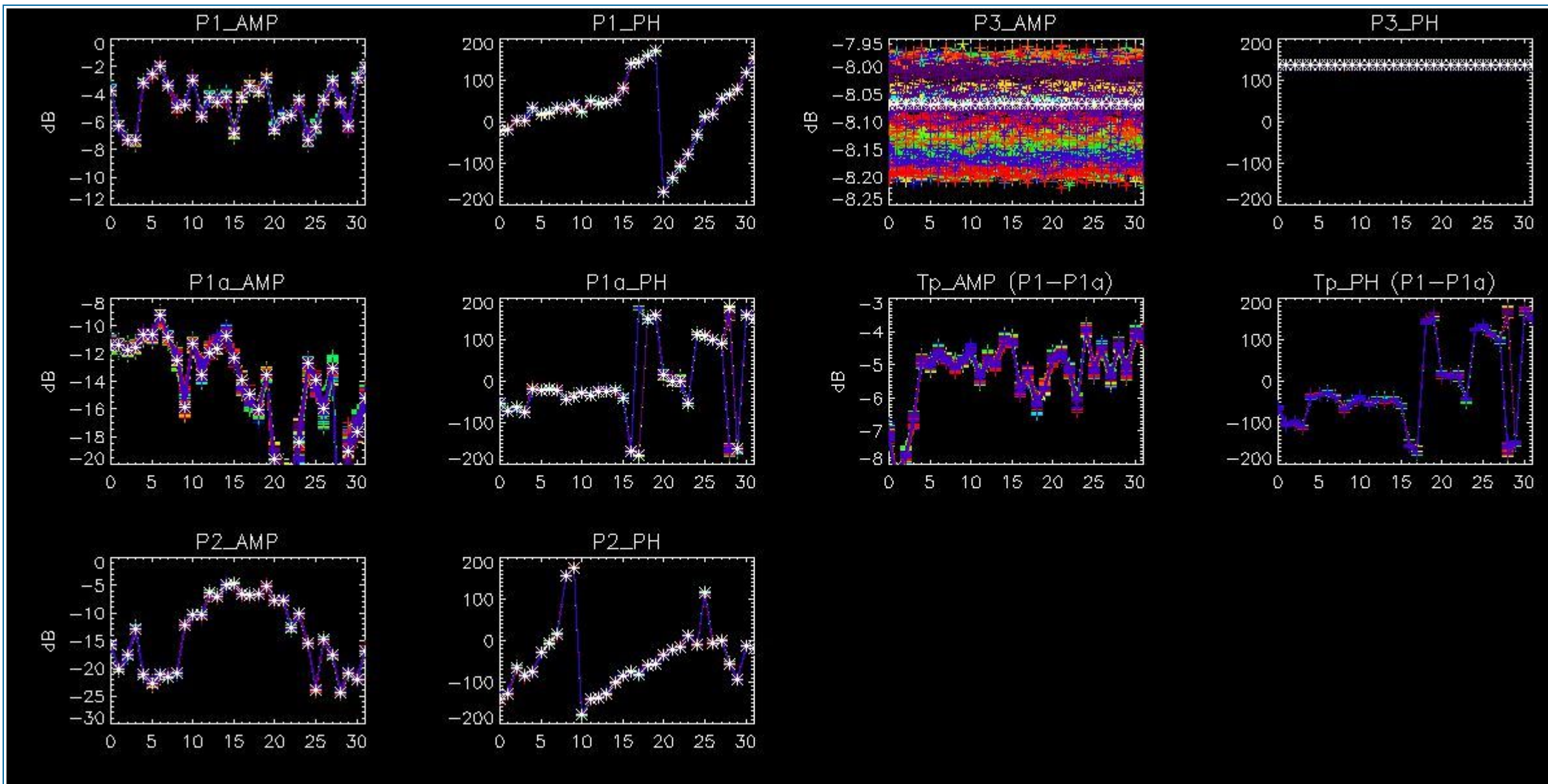
Transmit power (P1 - P1a) for GM1 SS3 H/H



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

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## 5 - DOPPLER ANALYSIS

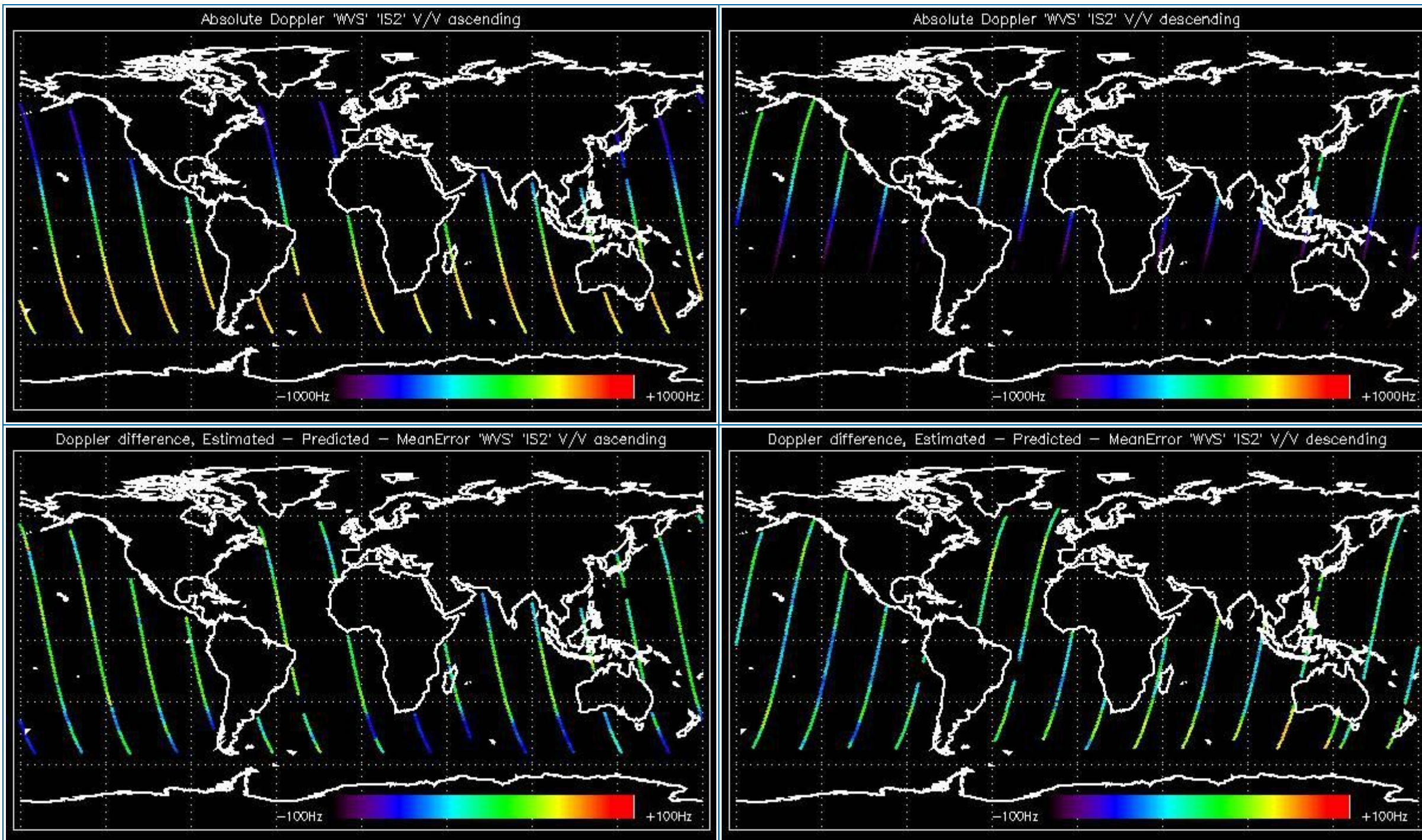
### 5.1 - Analysis for WVS IS2 V/V

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

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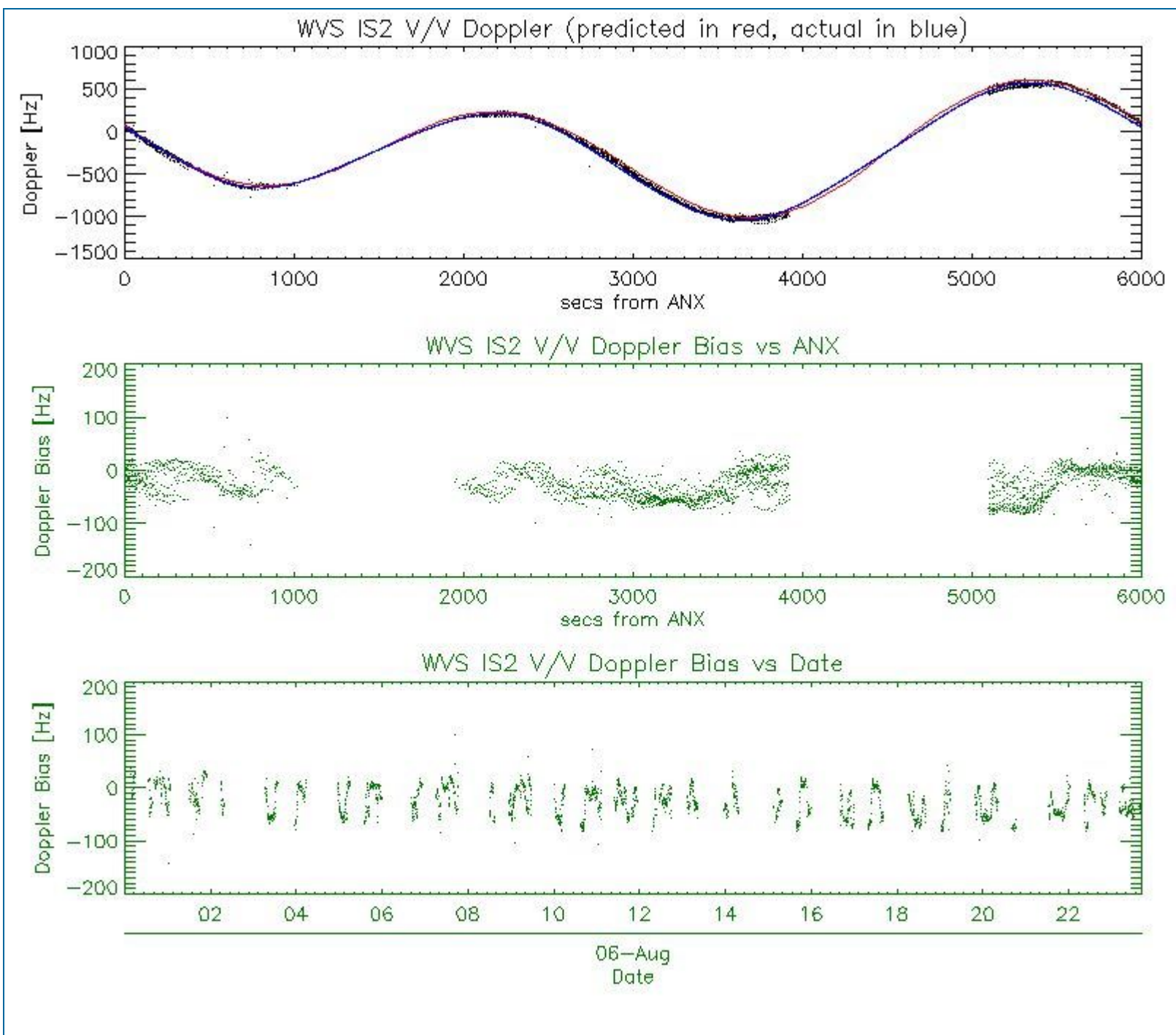




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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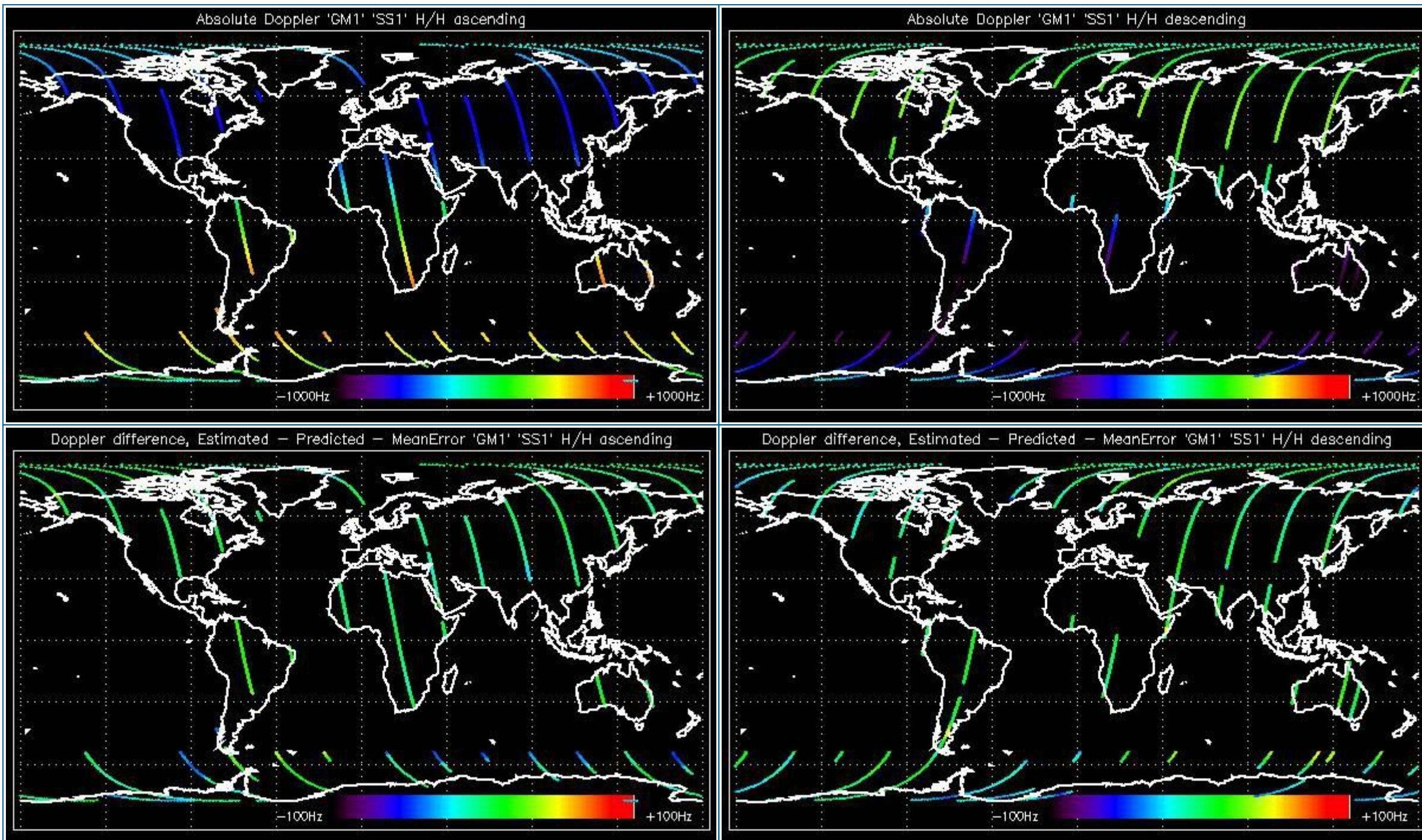
## 5.2 - Analysis for GM1 SS1 H/H

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

[ [BACK TO MENU](#) ]



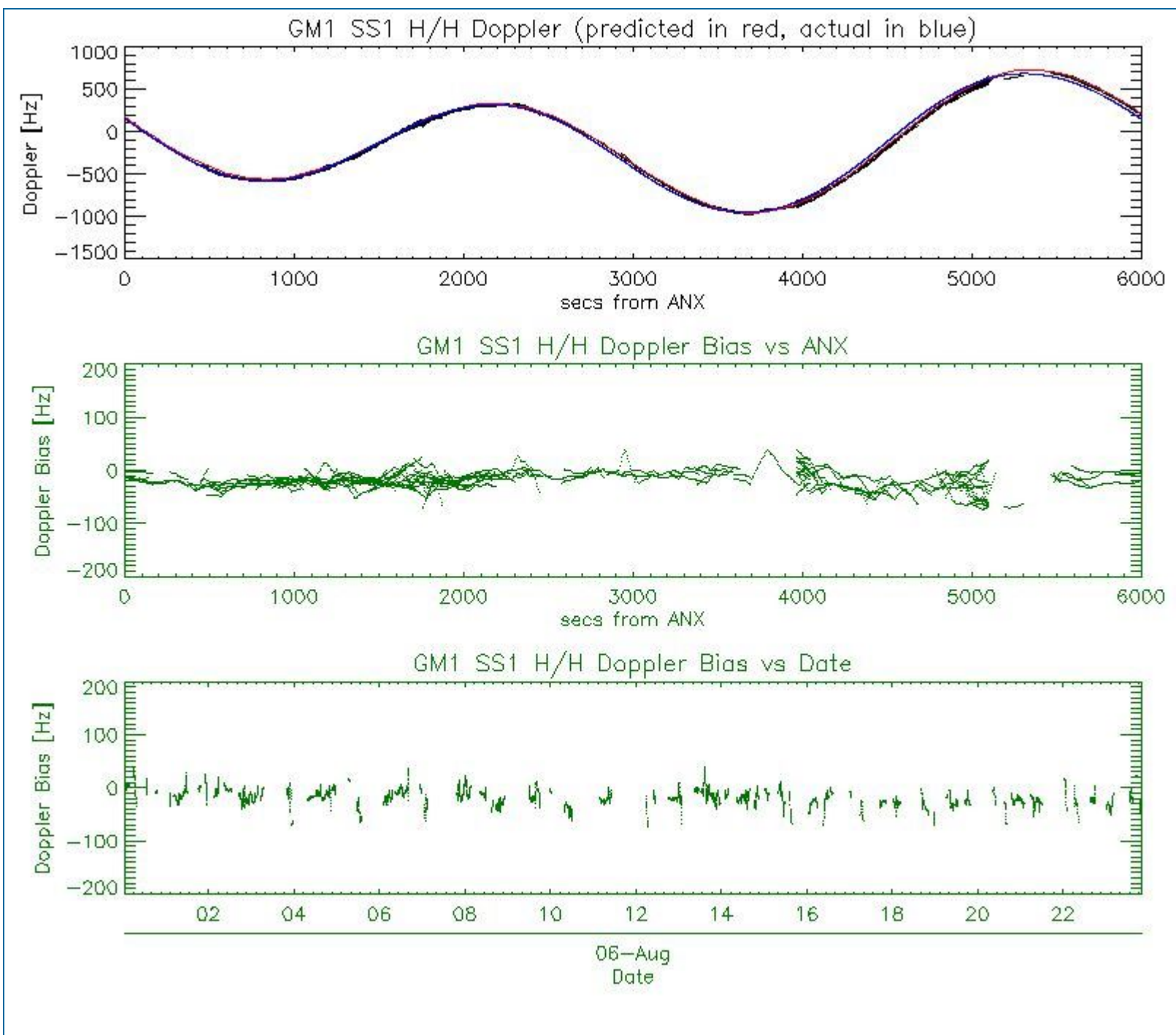




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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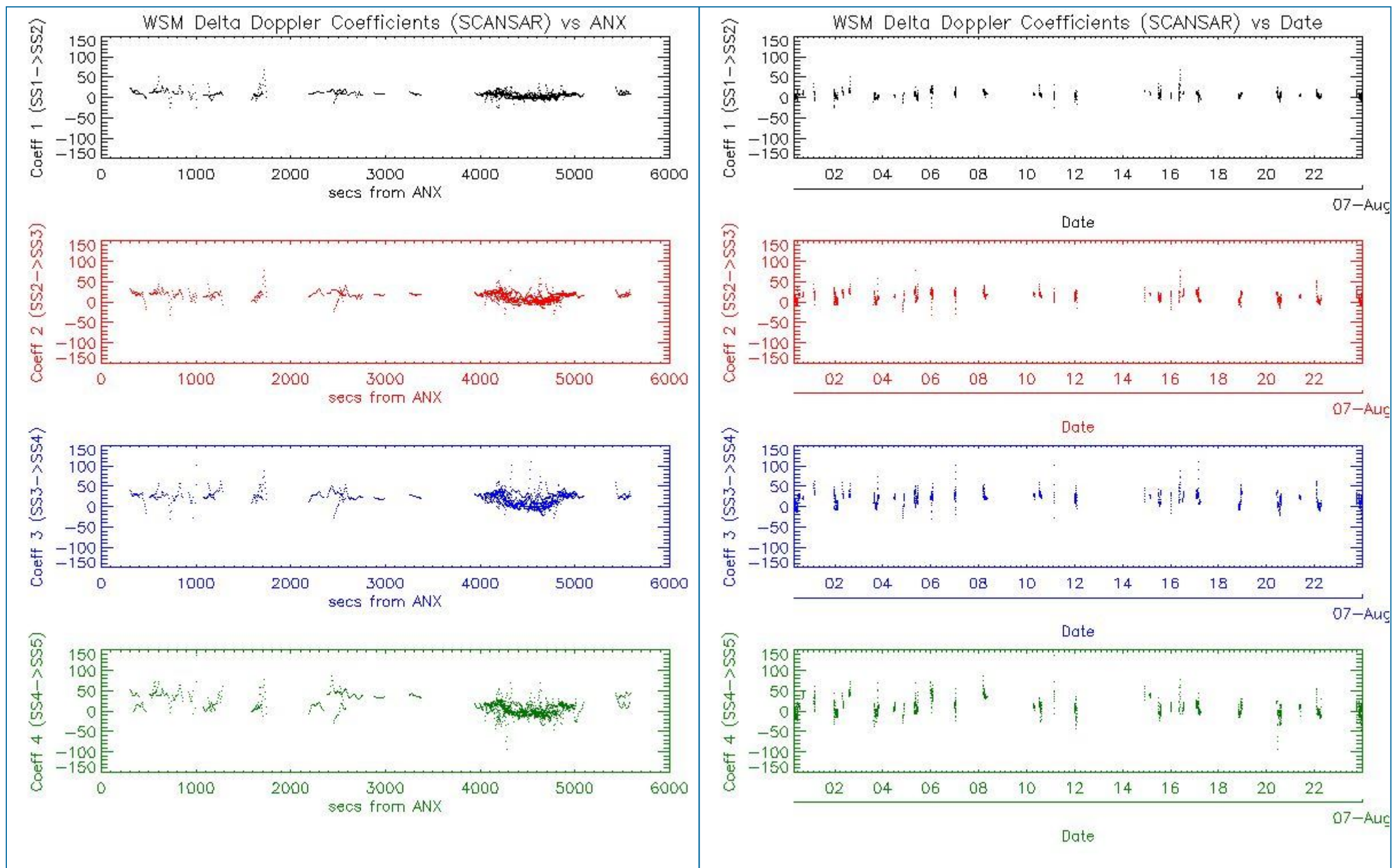


### 5.3 - Doppler JUMPS Analysis for WSM

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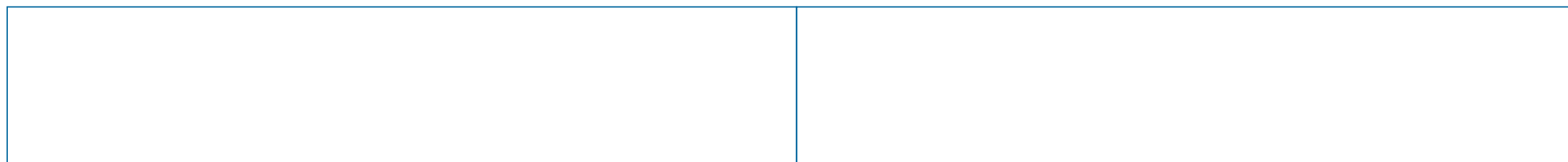


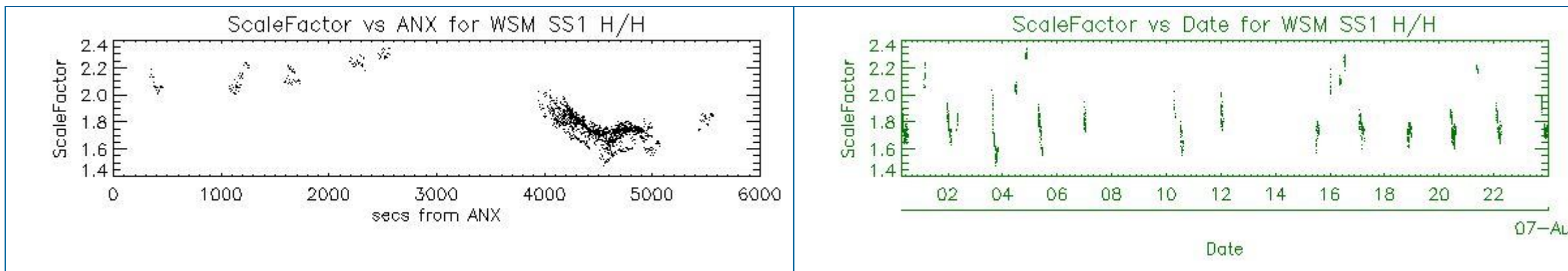
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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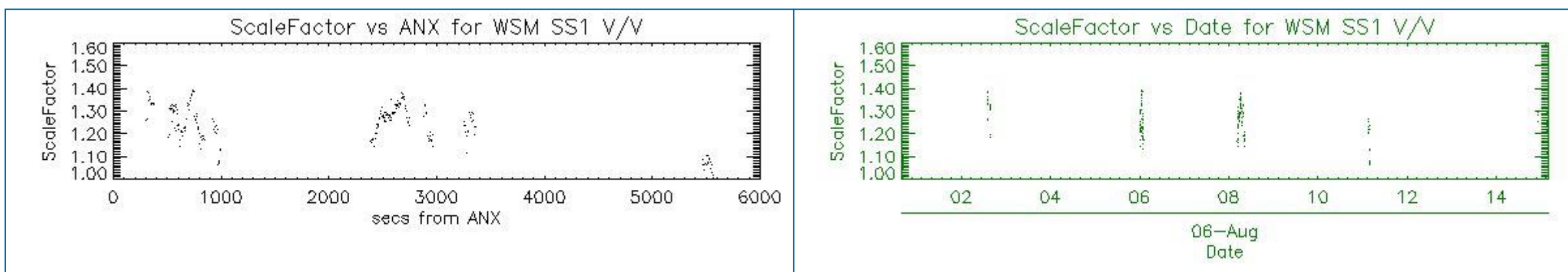




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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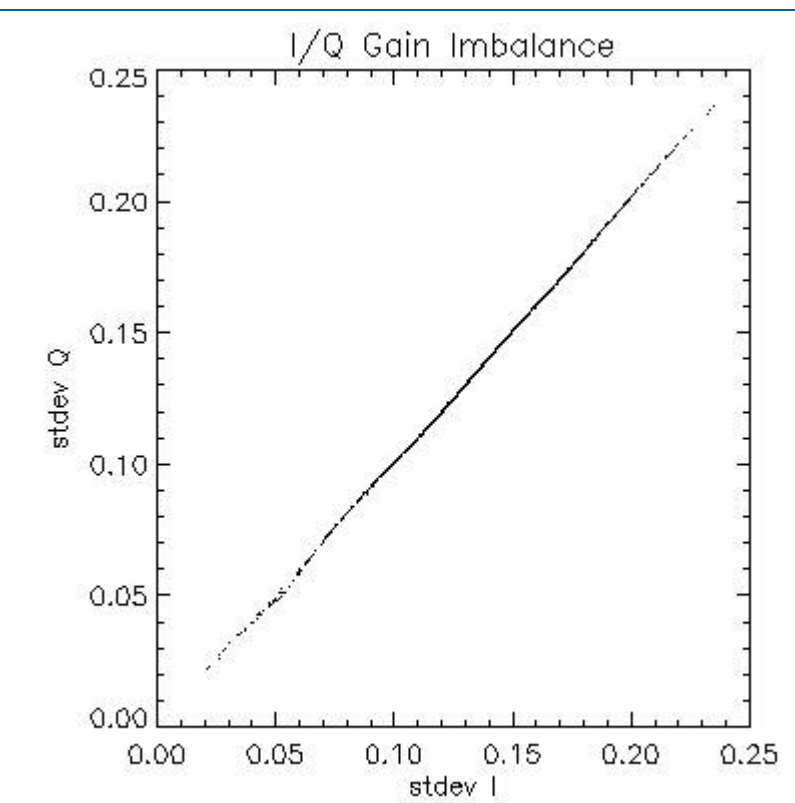
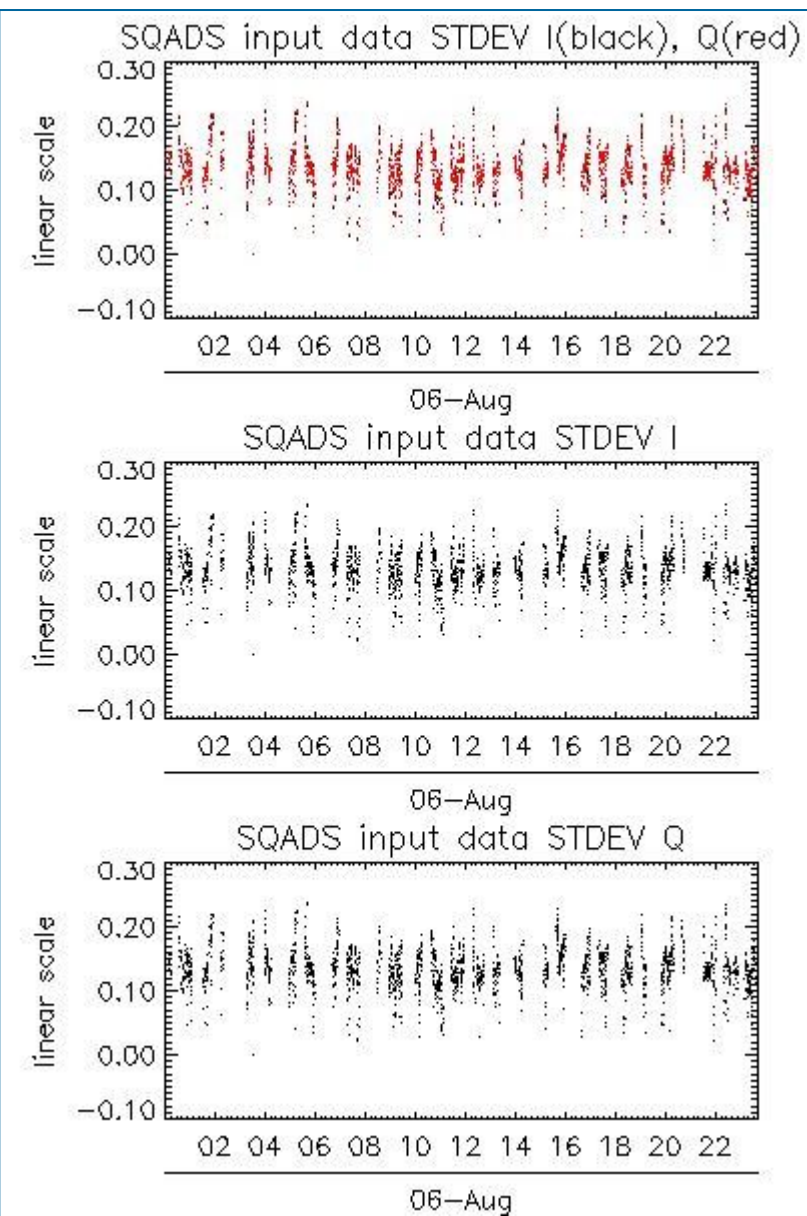
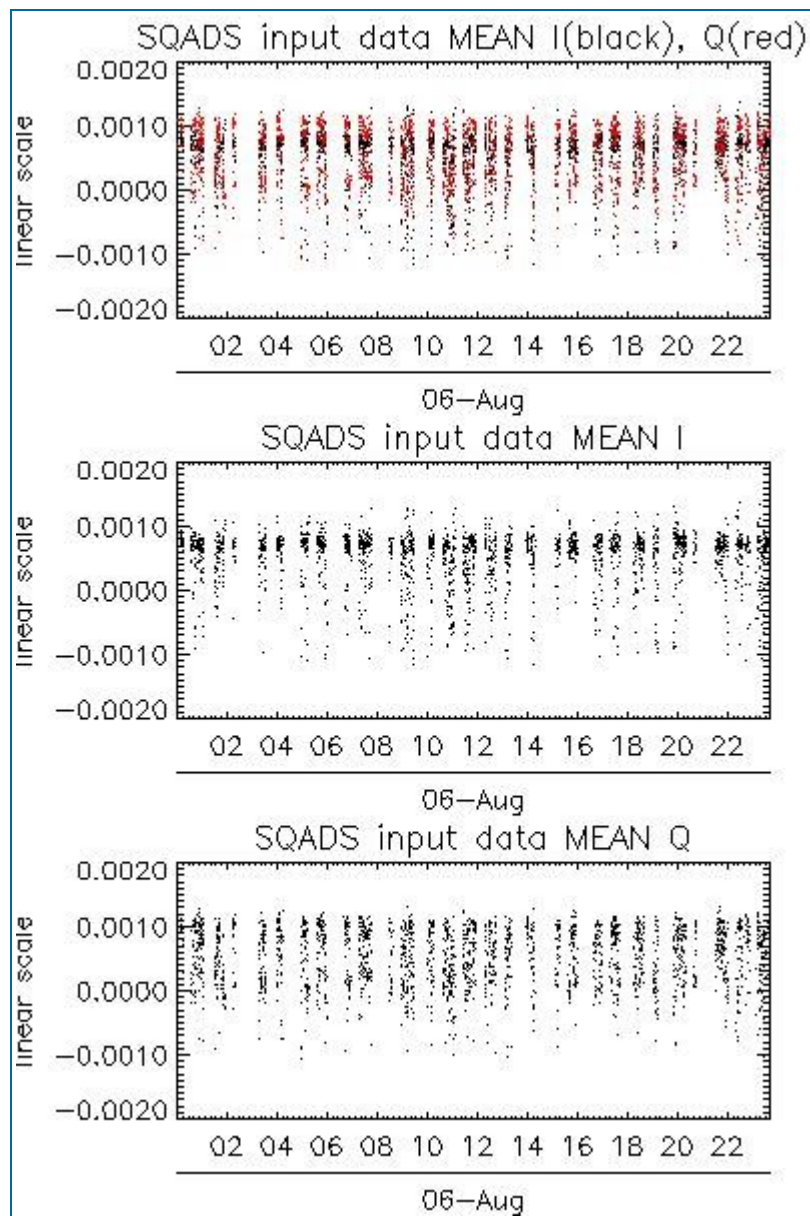
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



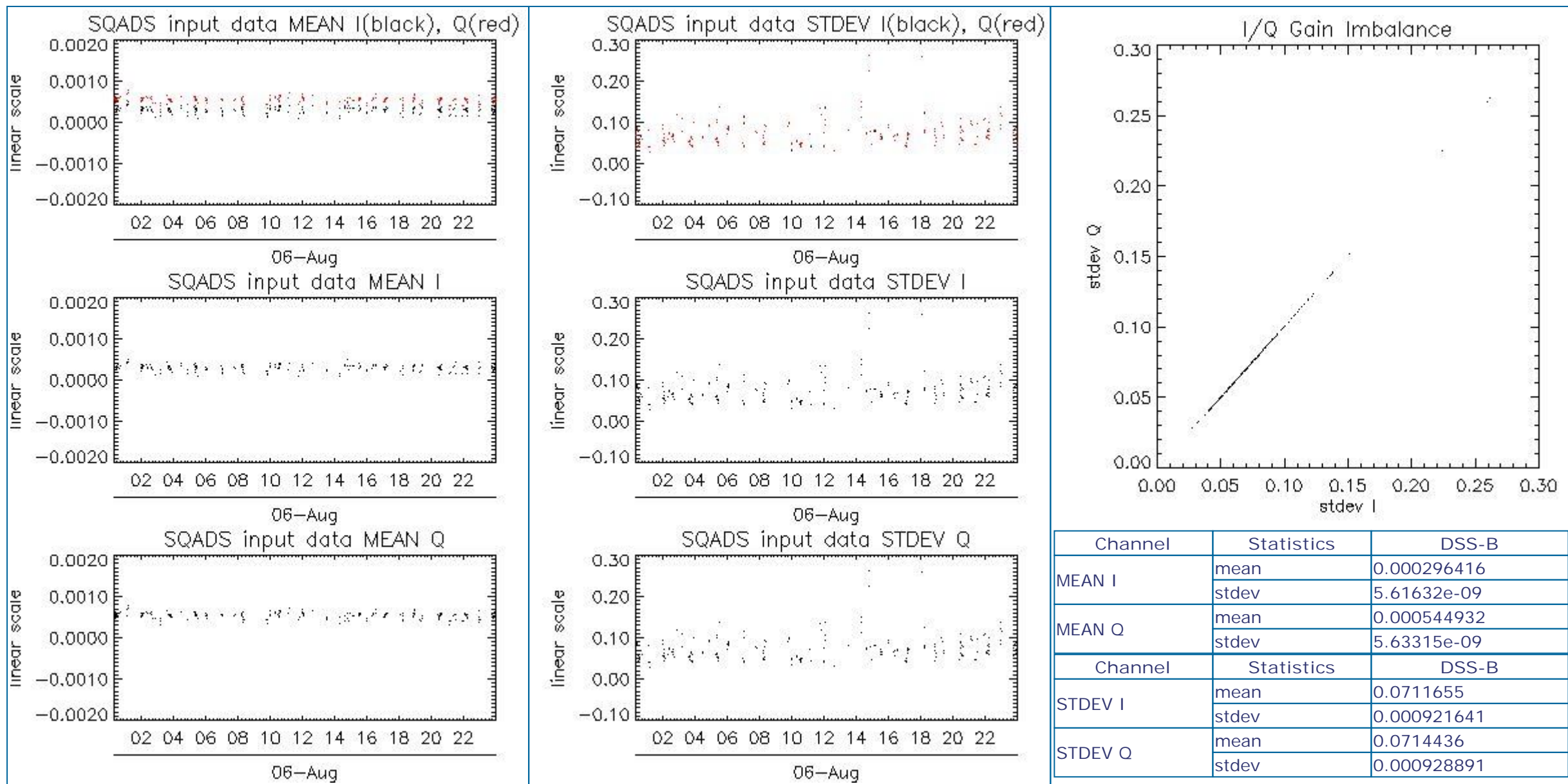


| Channel | Statistics | DSS-B       |
|---------|------------|-------------|
| MEAN I  | mean       | 0.000523579 |
|         | stdev      | 1.82493e-07 |
| MEAN Q  | mean       | 0.000540227 |
|         | stdev      | 2.10017e-07 |
| Channel | Statistics | DSS-B       |
| STDEV I | mean       | 0.134698    |
|         | stdev      | 0.000971562 |
| STDEV Q | mean       | 0.135042    |
|         | stdev      | 0.000989341 |

## 7.2 - Analysis for IMM

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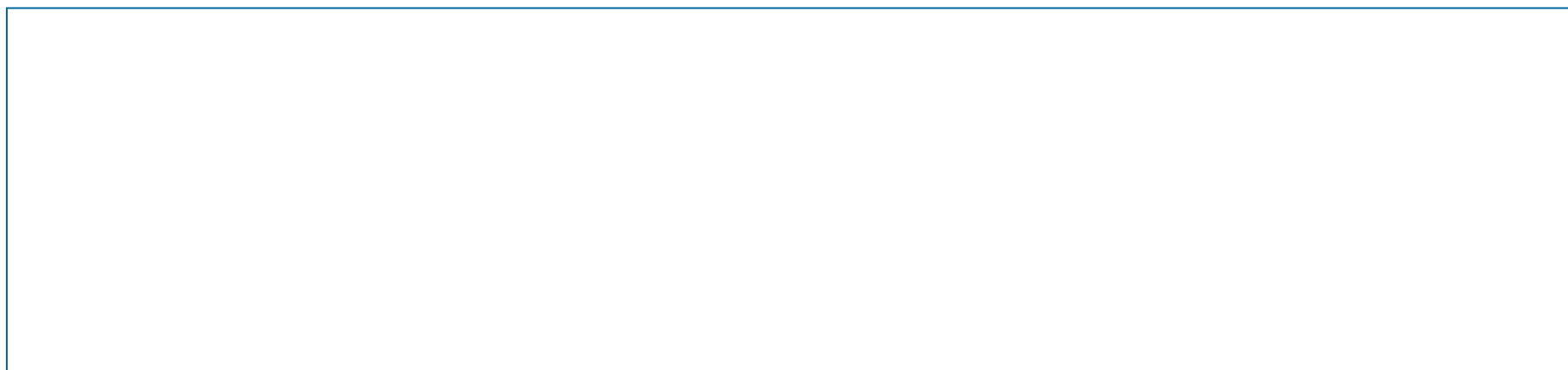


## 8 - TELEMETRY ANALYSIS

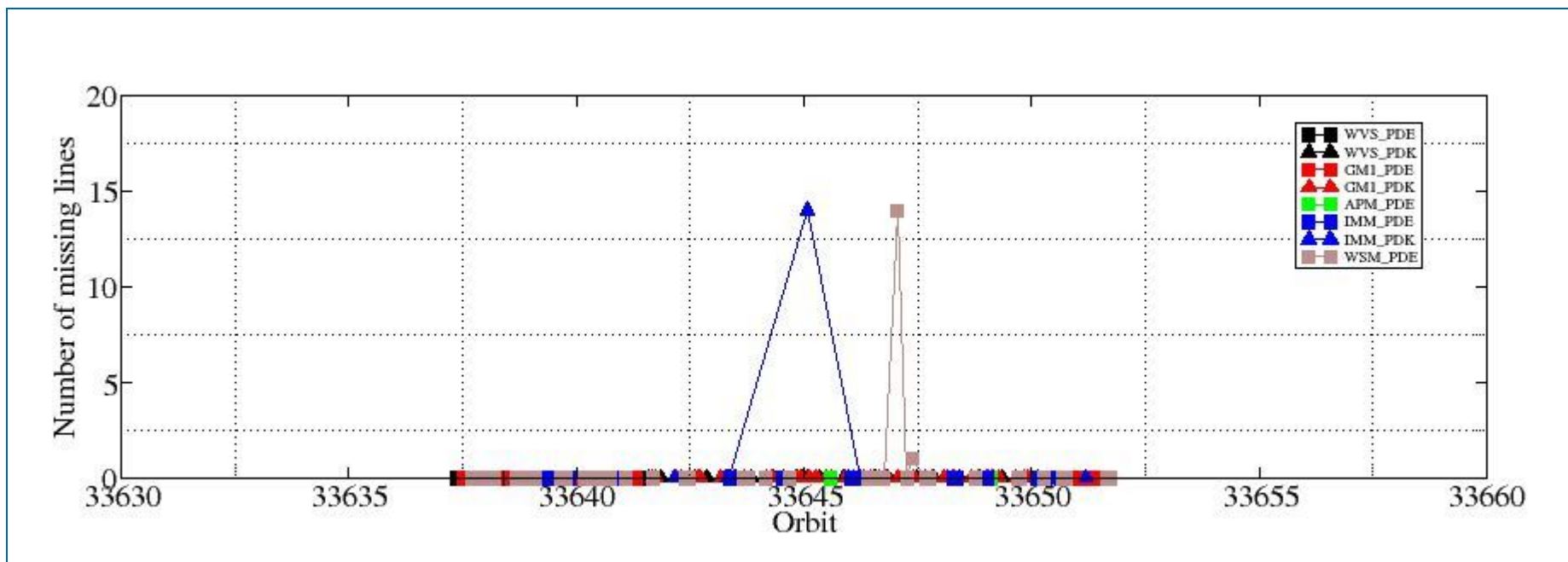
| Processing Center | Product                                                        | Gaps | Missing lines |
|-------------------|----------------------------------------------------------------|------|---------------|
| PDK               | ASA_IMM_1PNPDK20080806_123940_00000372071_00024_33645_7555.N1  | 0    | 14            |
| PDE               | ASA_WSM_1PNPDE20080806_160008_000001342071_00026_33647_9046.N1 | 0    | 14            |
| PDE               | ASA_WSM_1PNPDE20080806_163055_000001592071_00026_33647_9088.N1 | 0    | 1             |

### 8.1 - Number of Missing lines

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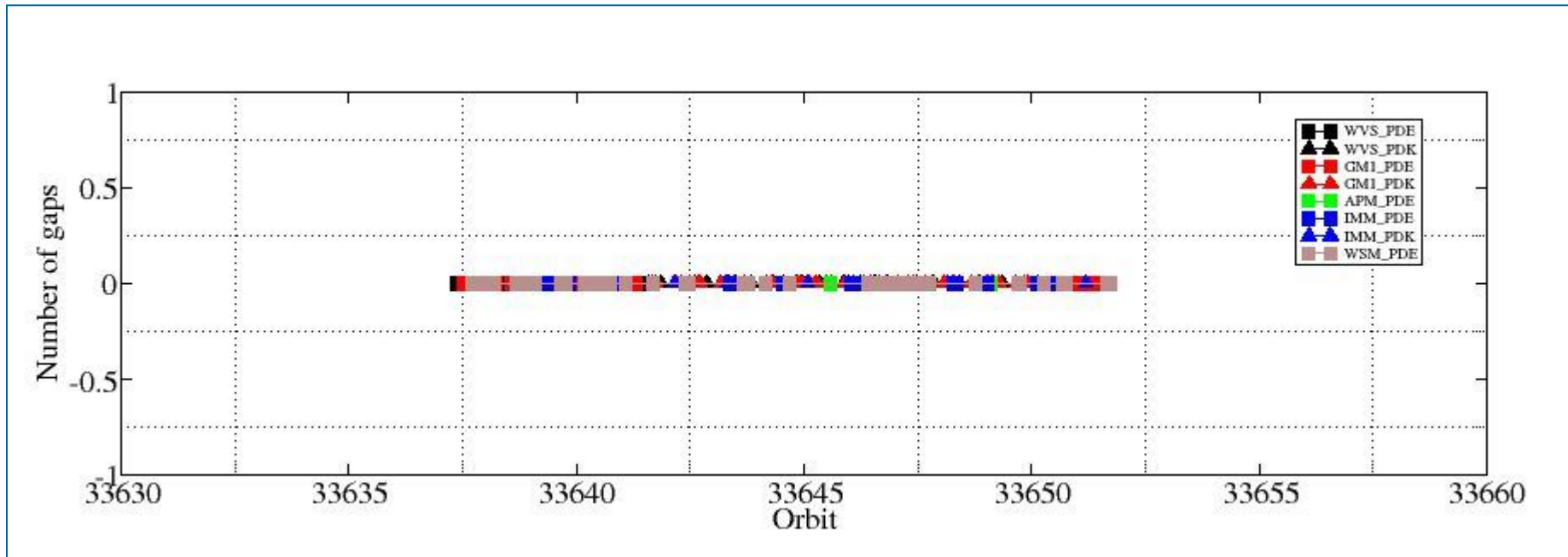






## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 080806  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: YESTERDAY

Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/080806/

DATA SUMMARY

#####  
Summary will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/080806/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/080806/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/080806/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS

#####  
Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/080806/AUXILIARY

Creating directory ./RESULTS/DAILY/080806/AUXILIARY...

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





Found list 20080806\_030001\_current\_3\_IECF\_ADFs.txt...  
Extracting ADFs...

ASA\_CON\_AXVIEC20080710\_132557\_20070204\_165113\_20081231\_000000  
ASA\_INS\_AXVIEC20071218\_083603\_20070307\_060000\_20081231\_000000  
ASA\_XCH\_AXVIEC20051219\_162547\_20020301\_000000\_20081231\_000000  
ASA\_XCA\_AXVIEC20080710\_133546\_20070204\_165113\_20081231\_000000

Writing file ./RESULTS/DAILY/080806/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
Writing file ./RESULTS/DAILY/080806/AUXILIARY/Auxiliary\_files\_summary.html...

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

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_WVS.xls...  
Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_WVS.txt...

|                                                                |                                                      |
|----------------------------------------------------------------|------------------------------------------------------|
| ASA_WVS_1PNPDE20080806_000858_000002852071_00016_33637_8051.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_003331_000002702071_00016_33637_8056.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_003731_000000752071_00016_33637_8183.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_004135_000002092071_00016_33637_8186.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_004814_000009742071_00016_33637_8193.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_012955_000008682071_00017_33638_8212.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_014822_000003602071_00017_33638_8215.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_021407_000002852071_00017_33638_8361.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_031627_000008242071_00018_33639_8364.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_032956_000002252071_00018_33639_8491.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_035801_000009142071_00018_33639_8521.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_045728_000008392071_00019_33640_8524.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_051113_000002552071_00019_33640_8695.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_053519_000014242071_00019_33640_8745.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_064105_000006292071_00020_33641_8720.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_213203_000013942071_00029_33650_9169.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_215711_000002552071_00029_33650_9172.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_222118_000002102071_00029_33650_9175.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_222403_000007942071_00029_33650_9305.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_224510_000004642071_00030_33651_9310.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_231027_000013192071_00030_33651_9350.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20080806_233830_000002102071_00030_33651_9343.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_065120_000002852071_00020_33641_7117.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_071546_000018292071_00020_33641_7136.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_082951_000004202071_00021_33642_7208.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_085631_000019492071_00021_33642_7281.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_100120_000008842071_00022_33643_7346.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_103658_000017692071_00022_33643_7407.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_112503_000012442071_00023_33644_7449.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_114839_000004942071_00023_33644_7454.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_121742_000003302071_00023_33644_7457.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_122738_000006592071_00023_33644_7462.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_124023_000002692071_00024_33645_7547.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_130647_000008842071_00024_33645_7597.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_135818_000003302071_00024_33645_7606.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_140933_000005092071_00024_33645_7618.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_150628_000000442071_00025_33646_7721.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_151009_000005402071_00025_33646_7726.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_153854_000012292071_00025_33646_7787.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_164007_000011692071_00026_33647_7842.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_171930_000013042071_00026_33647_7847.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_181608_000014542071_00027_33648_7967.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_190209_000007642071_00027_33648_7984.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_194935_000018742071_00028_33649_8095.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20080806_204042_000003152071_00028_33649_8102.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_GM1.xls...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_GM1.txt...

|                                                                |                                                      |
|----------------------------------------------------------------|------------------------------------------------------|
| ASA_GM1_1PNPDE20080806_000200_000004162071_00016_33637_8043.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_001428_000002052071_00016_33637_8048.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_003207_000000782071_00016_33637_8053.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_004547_000001442071_00016_33637_8190.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_010517_000000782071_00017_33638_8188.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_011029_000011662071_00017_33638_8291.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_014512_000001872071_00017_33638_8209.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_015504_000001442071_00017_33638_8203.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_020743_000003802071_00017_33638_8217.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_021258_000000662071_00017_33638_8350.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_022211_000006162071_00017_33638_8352.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_024143_000005312071_00018_33639_8354.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_025121_000010942071_00018_33639_8443.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_031237_000002292071_00018_33639_8371.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_035019_000003022071_00018_33639_8493.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_035607_000001142071_00018_33639_8488.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_041842_000005612071_00019_33640_8507.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_043031_000012332071_00019_33640_8587.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_045323_000002412071_00019_33640_8518.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_051616_000000842071_00019_33640_8692.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_052755_000001022071_00019_33640_8690.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_053027_000002892071_00019_33640_8709.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_060521_000007432071_00020_33641_8717.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_062216_000011302071_00020_33641_8811.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_211446_000004952071_00029_33650_9162.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_212442_000003202071_00029_33650_9166.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_220215_000001812071_00029_33650_9164.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_221554_000003202071_00029_33650_9177.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_223757_000004282071_00030_33651_9307.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_230044_000005792071_00030_33651_9338.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_233304_000002172071_00030_33651_9336.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_233644_000001022071_00030_33651_9340.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_234251_000000842071_00030_33651_9347.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDE20080806_234709_000001872071_00030_33651_9345.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_065652_000000842071_00020_33641_7114.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_070309_000002232071_00020_33641_7119.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_074829_000007312071_00021_33642_7127.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_075955_000004772071_00021_33642_7201.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_082116_000005132071_00021_33642_7205.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_083728_000000842071_00021_33642_7203.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_084310_000007972071_00021_33642_7215.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_092939_000005492071_00022_33643_7218.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_093840_000002172071_00022_33643_7283.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_094327_000000842071_00022_33643_7341.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_095913_000001262071_00022_33643_7343.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_101921_000006462071_00022_33643_7348.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_110932_000007372071_00023_33644_7409.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_112107_000002352071_00023_33644_7451.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_121419_000001992071_00023_33644_7459.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_122356_000002172071_00023_33644_7464.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_124534_000009182071_00024_33645_7537.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_130005_000002652071_00024_33645_7590.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_132211_000004532071_00024_33645_7594.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_133132_000000902071_00024_33645_7592.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_133308_000015102071_00024_33645_7691.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_140434_000002952071_00024_33645_7603.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_142114_000009302071_00025_33646_7608.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_143808_000000662071_00025_33646_7615.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_143829_000000662071_00025_33646_7716.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_144641_000003322071_00025_33646_7718.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_150131_000002952071_00025_33646_7723.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_151951_000006042071_00025_33646_7728.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20080806_153543_000001872071_00025_33646_7730.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |



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ASA_GM1_1PNPDK20080806_160227_000007312071_00026_33647_7795.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_163341_000001692071_00026_33647_7837.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20080806_170027_000000842071_00026_33647_7839.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20080806_171507_000002592071_00026_33647_7844.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_175041_000000722071_00027_33648_7960.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_180434_000004222071_00027_33648_7962.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_185843_000000722071_00027_33648_7969.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_192833_000001992071_00028_33649_7981.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_GM1_1PNPDK20080806_194123_000004892071_00028_33649_8088.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20080806_202139_000002052071_00028_33649_8090.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20080806_203740_000001812071_00028_33649_8092.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20080806_204644_000011362071_00028_33649_8182.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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Analysing APM products...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_APM.txt...

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ASA_APM_1PNPDE20080806_081733_000001082071_00021_33642_8869.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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ASA_APM_1PNPDE20080806_132944_000000872071_00024_33645_9040.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20080806_192730_000000412071_00028_33649_9126.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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Analysing IMM products...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_IMM.txt...

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ASA_IMM_1PNPDE20080806_010631_000000512071_00017_33638_8178.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_024055_000000372071_00018_33639_8316.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_025031_000000392071_00018_33639_8318.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_030930_000001762071_00018_33639_8441.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_035519_000000372071_00018_33639_8464.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_052939_000000382071_00019_33640_8678.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_094921_000000392071_00022_33643_8879.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_114642_000001102071_00023_33644_8927.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_141841_000001422071_00025_33646_9034.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_144523_000000682071_00025_33646_9016.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_145211_000000392071_00025_33646_9002.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_180344_000000392071_00027_33648_9094.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_181138_000002642071_00027_33648_9106.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_191757_000001182071_00028_33649_9132.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_210836_000000422071_00029_33650_9251.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_213047_000000692071_00029_33650_9273.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20080806_215558_000000672071_00029_33650_9275.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_074649_000000892071_00021_33642_7166.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_094223_000000532071_00022_33643_7302.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_094838_000000832071_00022_33643_7318.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_123940_000000372071_00024_33645_7555.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_143650_000000672071_00025_33646_7693.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_210824_000000852071_00029_33650_8180.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20080806_225545_000002882071_00030_33651_8229.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

\*\*\*\*\*



Analysing WSM products...

Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_WSM.xls...
Writing file ./RESULTS/DAILY/080806/AUXILIARY/Check\_ADFs\_WSM.txt...

ASA\_WSM\_1PNPDE20080806\_001756\_000006062071\_00016\_33637\_8195.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_WSM\_1PNPDE20080806\_002833\_000002082071\_00016\_33637\_8176.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
... (repeating pattern) ...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS
#####
Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/080806/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/080806/MODULE\_STEPPING...
Creating directory ./RESULTS/DAILY/080806/MODULE\_STEPPING/FIRST\_REFERENCE...
Creating directory ./RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE...
Creating directory ./RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...
Deleting old files...



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

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20050922\_062651\_000000152041\_00034\_18625\_0041.N1  
Test product: ASA\_MS\_\_0PNPDK20080805\_173332\_000000162071\_00012\_33633\_0603.N1  
H  
H  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20080805\_173332-20050922\_062651.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20080805\_173332-20050922\_062651.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20080805\_173332-20050922\_062651.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20080805\_173332-20050922\_062651.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20050923\_055514\_000000152041\_00048\_18639\_0042.N1  
Test product: ASA\_MS\_\_0PNPDK20080806\_170155\_000000162071\_00026\_33647\_0604.N1  
V  
V  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20080806\_170155-20050923\_055514.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20080806\_170155-20050923\_055514.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20080806\_170155-20050923\_055514.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20080806\_170155-20050923\_055514.png

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

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20080803\_183646\_000000162070\_00485\_33605\_0601.N1  
Test product: ASA\_MS\_\_0PNPDK20080805\_173332\_000000162071\_00012\_33633\_0603.N1  
H  
H  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20080805\_173332-20080803\_183646.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20080805\_173332-20080803\_183646.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20080805\_173332-20080803\_183646.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20080805\_173332-20080803\_183646.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20080804\_180509\_000000162070\_00499\_33619\_0602.N1  
Test product: ASA\_MS\_\_0PNPDK20080806\_170155\_000000162071\_00026\_33647\_0604.N1  
V  
V  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20080806\_170155-20080804\_180509.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20080806\_170155-20080804\_180509.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20080806\_170155-20080804\_180509.png  
../../RESULTS/DAILY/080806/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20080806\_170155-20080804\_180509.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/080806/CALIBRATION\_PULSES...

\*\*\*\*\*  
\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59



Analysing products WVS IS2 V/V  
 Writing image ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
 Analysing products GM1 SS3 H/H  
 Writing image ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

\*\*\*\*\*  
 \*\*\*\*\*  
 TEMPORAL EVOLUTION Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59

Analysing products WVS IS2 V/V  
 Getting calibration pulses data for WVS IS2 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 1/5/9/13/17/21/25/29  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-08-06\_1.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 2/6/10/14/18/22/26/30  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-08-06\_2.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 3/7/11/15/19/23/27/31  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-08-06\_3.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 4/8/12/16/20/24/28/32  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2008-08-06\_4.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
 Writing ../../RESULTS/DAILY/080806//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 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 1/5/9/13/17/21/25/29  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-08-06\_1.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 2/6/10/14/18/22/26/30  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-08-06\_2.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 3/7/11/15/19/23/27/31  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-08-06\_3.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2008-08-06 00:00:00 to 2008-08-06 23:59:59. Rows: 4/8/12/16/20/24/28/32  
 Writing file ./RESULTS/DAILY/080806/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2008-08-06\_4.dat...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
 Writing ../../RESULTS/DAILY/080806//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
 #####



#####

Creating directory ./RESULTS/DAILY/080806/DOPPLER...

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

DOPPLER ANX Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...

Writing file ./RESULTS/DAILY/080806/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2008-08-06.dat...

Running IDL program...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...

Writing file ./RESULTS/DAILY/080806/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2008-08-06.dat...

Running IDL program...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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

DOPPLER JUMPS Analysis will be performed on WSM products from 2008-08-06 00:00:00 to 2008-08-06 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...

Writing file ./RESULTS/DAILY/080806/DOPPLER/Doppler\_Jumps\_data\_WSM\_2008-08-06.dat...

Running IDL program...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

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

DOPPLER MAP Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59

Analysing products WVS IS2 V/V

Loading predicted doppler values....

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -30.760628 Hz

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -21.005619 Hz

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../RESULTS/DAILY/080806/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 = -14.910074 Hz

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...

Writing file ../RESULTS/DAILY/080806/DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -23.590314 Hz
Writing file ../../RESULTS/DAILY/080806//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/080806//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

\*\*\*\*\*

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/080806/CHIRP...
```

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

CHIRP Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...
Writing file ./RESULTS/DAILY/080806/CHIRP/ScaleFactor_data_WSM_SS1_HH_2008-08-06.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/080806/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/080806/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...
Writing file ./RESULTS/DAILY/080806/CHIRP/ScaleFactor_data_WSM_SS1_VV_2008-08-06.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/080806/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/080806/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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

```
RAW DATA ANALYSIS
#####
Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/080806/RAW_DATA
```

```
Creating directory ./RESULTS/DAILY/080806/RAW_DATA...
```

\*\*\*\*\*  
Getting raw data for WVS from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...  
Writing file ./RESULTS/DAILY/080806/RAW\_DATA/Raw\_data\_WVS\_2008-08-06.dat...  
Running IDL program to create graphs...

```
Creating image ../../RESULTS/DAILY/080806/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/080806/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/080806/RAW_DATA/Raw_data_WVS_gain_imbalance.png...
```

\*\*\*\*\*  
Getting raw data for IMM from 2008-08-06 00:00:00 to 2008-08-06 23:59:59...



Writing file ./RESULTS/DAILY/080806/RAW\_DATA/Raw\_data\_IMM\_2008-08-06.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/080806/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/080806/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/080806/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2008-08-06 00:00:00 to 2008-08-06 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/080806/TELEMETRY

Creating directory ./RESULTS/DAILY/080806/TELEMETRY...

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

\*\*\*\*\*

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

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

\*\*\*\*\*

Checking 34 products from PDE...  
Checking 48 products from PDK...

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

\*\*\*\*\*

Checking 4 products from PDE...  
No products from PDK...

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

\*\*\*\*\*

Checking 17 products from PDE...  
Checking 7 products from PDK...  
Found product...ASA\_IMM\_1PNPDK20080806\_123940\_00000372071\_00024\_33645\_7555.N1 / 0 gaps / 14 missing lines

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

\*\*\*\*\*

Checking 44 products from PDE...  
Found product...ASA\_WSM\_1PNPDE20080806\_160008\_000001342071\_00026\_33647\_9046.N1 / 0 gaps / 14 missing lines  
Found product...ASA\_WSM\_1PNPDE20080806\_163055\_000001592071\_00026\_33647\_9088.N1 / 0 gaps / 1 missing lines  
No products from PDK...

Creating graph of missing lines and gaps...

\*\*\*\*\*

Creating image: ./RESULTS/DAILY/080806/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/080806/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed

#####

BROWSE PRODUCTS ANALYSIS

#####

Analysis will be performed on 2008-08-06

\*\*\*\*\*

Scanning directory /nas3/ENVISAT/ASAR//ASA\_GM\_\_BP...  
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_GM\_\_BP/JPG/20080806/

```
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_162340_000004282071_00026_33647_7836.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_163341_000001692071_00026_33647_7838.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_170027_000000842071_00026_33647_7840.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_171507_000002592071_00026_33647_7845.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_174158_000005922071_00027_33648_7855.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_175041_000000722071_00027_33648_7961.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_180156_000001082071_00027_33648_7959.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_180434_000004222071_00027_33648_7963.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_184103_000005672071_00027_33648_7965.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_185843_000000722071_00027_33648_7970.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_191541_000001382071_00028_33649_7975.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_192006_000004412071_00028_33649_7973.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_192833_000001992071_00028_33649_7982.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_193041_000001082071_00028_33649_8087.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_194123_000004892071_00028_33649_8089.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_202139_000002052071_00028_33649_8091.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_203740_000001812071_00028_33649_8093.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPDK20080806_204644_000011362071_00028_33649_8183.N1 ...
```

ANALYSIS COMPLETED: 18 GM browse products to see...

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

Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_AP\_BP/JPG/20080806/

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

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

Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_IM\_BP/JPG/20080806/

```
Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPDK20080806_210824_000000852071_00029_33650_8181.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPDK20080806_225545_000002882071_00030_33651_8230.N1 ...
```

ANALYSIS COMPLETED: 2 IM browse products to see...

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

Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA\_WS\_BP/JPG/20080806/

```
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_161444_000005132071_00026_33647_7834.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_175155_000005982071_00027_33648_7957.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_193231_000001522071_00028_33649_8072.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_193519_000000922071_00028_33649_8083.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_193721_000002372071_00028_33649_8085.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_211040_000002452071_00029_33650_8208.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPDK20080806_225343_000000912071_00030_33651_8232.N1 ...
```

ANALYSIS COMPLETED: 7 WS browse products to see...

\*\*\*\*\*

BROWSE PRODUCTS ANALYSIS completed

#####

HTML REPORT generation

#####

Building file ./RESULTS/DAILY/080806/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_1PNPDE20080806_081733_000001082071_00021_33642_8869.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20080806_095717_000000952071_00022_33643_8893.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20080806_132944_000000872071_00024_33645_9040.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20080806_192730_000000412071_00028_33649_9126.N1 | OK      | OK      | OK      | OK      |

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

| Product                                                        | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |    |    |    |    |
|----------------------------------------------------------------|---------|---------|---------|---------|----|----|----|----|
| ASA_GM1_1PNPDE20080806_000200_000004162071_00016_33637_8043.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_001428_000002052071_00016_33637_8048.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_003207_000000782071_00016_33637_8053.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_004547_000001442071_00016_33637_8190.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_010517_000000782071_00017_33638_8188.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_011029_000011662071_00017_33638_8291.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_014512_000001872071_00017_33638_8209.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_015504_000001442071_00017_33638_8203.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_020743_000003802071_00017_33638_8217.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_021258_000000662071_00017_33638_8350.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_022211_000006162071_00017_33638_8352.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_024143_000005312071_00018_33639_8354.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_025121_000010942071_00018_33639_8443.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_031237_000002292071_00018_33639_8371.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_035019_000003022071_00018_33639_8493.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_035607_000001142071_00018_33639_8488.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_041842_000005612071_00019_33640_8507.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_043031_000012332071_00019_33640_8587.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_045323_000002412071_00019_33640_8518.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_051616_000000842071_00019_33640_8692.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_052755_000001022071_00019_33640_8690.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_053027_000002892071_00019_33640_8709.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_060521_000007432071_00020_33641_8717.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_062216_000011302071_00020_33641_8811.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_211446_000004952071_00029_33650_9162.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_212442_000003202071_00029_33650_9166.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_220215_000001812071_00029_33650_9164.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_221554_000003202071_00029_33650_9177.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_223757_000004282071_00030_33651_9307.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_230044_000005792071_00030_33651_9338.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_233304_000002172071_00030_33651_9336.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_233644_000001022071_00030_33651_9340.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_234251_000000842071_00030_33651_9347.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20080806_234709_000001872071_00030_33651_9345.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_065652_000000842071_00020_33641_7114.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_070309_000002232071_00020_33641_7119.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_074829_000007312071_00021_33642_7127.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_075955_000004772071_00021_33642_7201.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_082116_000005132071_00021_33642_7205.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_083728_000000842071_00021_33642_7203.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_084310_000007972071_00021_33642_7215.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_092939_000005492071_00022_33643_7218.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_093840_000002172071_00022_33643_7283.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_094327_000000842071_00022_33643_7341.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_095913_000001262071_00022_33643_7343.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_101921_000006462071_00022_33643_7348.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_110932_000007372071_00023_33644_7409.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_112107_000002352071_00023_33644_7451.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_121419_000001992071_00023_33644_7459.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_122356_000002172071_00023_33644_7464.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_124534_000009182071_00024_33645_7537.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_130005_000002652071_00024_33645_7590.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_132211_000004532071_00024_33645_7594.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_133132_000000902071_00024_33645_7592.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_133308_000015102071_00024_33645_7691.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_140434_000002952071_00024_33645_7603.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_142114_000009302071_00025_33646_7608.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_143808_000000662071_00025_33646_7615.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_143829_000000662071_00025_33646_7716.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_144641_000003322071_00025_33646_7718.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_150131_000002952071_00025_33646_7723.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_151951_000006042071_00025_33646_7728.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_153543_000001872071_00025_33646_7730.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_160227_000007312071_00026_33647_7795.N1 |         |         |         |         | OK | OK | OK | OK |



|                                                                |    |    |    |    |
|----------------------------------------------------------------|----|----|----|----|
| ASA_GM1_1PNPDK20080806_162340_000004282071_00026_33647_7835.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_163341_000001692071_00026_33647_7837.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_170027_000000842071_00026_33647_7839.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_171507_000002592071_00026_33647_7844.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_174158_000005922071_00027_33648_7854.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_175041_000000722071_00027_33648_7960.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_180156_000001082071_00027_33648_7958.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_180434_000004222071_00027_33648_7962.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_184103_000005672071_00027_33648_7964.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_185843_000000722071_00027_33648_7969.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_191541_000001382071_00028_33649_7974.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_192006_000004412071_00028_33649_7972.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_192833_000001992071_00028_33649_7981.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_193041_000001082071_00028_33649_8086.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_194123_000004892071_00028_33649_8088.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_202139_000002052071_00028_33649_8090.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_203740_000001812071_00028_33649_8092.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20080806_204644_000011362071_00028_33649_8182.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_1PNPDE20080806_010631_000000512071_00017_33638_8178.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_024055_000000372071_00018_33639_8316.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_025031_000000392071_00018_33639_8318.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_030930_000001762071_00018_33639_8441.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_035519_000000372071_00018_33639_8464.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_052939_000000382071_00019_33640_8678.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_094921_000000392071_00022_33643_8879.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_114642_000001102071_00023_33644_8927.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_141841_000001422071_00025_33646_9034.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_144523_000000682071_00025_33646_9016.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_145211_000000392071_00025_33646_9002.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_180344_000000392071_00027_33648_9094.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_181138_000002642071_00027_33648_9106.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_191757_000001182071_00028_33649_9132.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_210836_000000422071_00029_33650_9251.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_213047_000000692071_00029_33650_9273.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDE20080806_215558_000000672071_00029_33650_9275.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_074649_000000892071_00021_33642_7166.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_094223_000000532071_00022_33643_7302.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_094838_000000832071_00022_33643_7318.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_123940_000000372071_00024_33645_7555.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_143650_000000672071_00025_33646_7693.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_210824_000000852071_00029_33650_8180.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_IMM_1PNPDK20080806_225545_000002882071_00030_33651_8229.N1 |         |         |         |         | OK | OK | OK | OK |



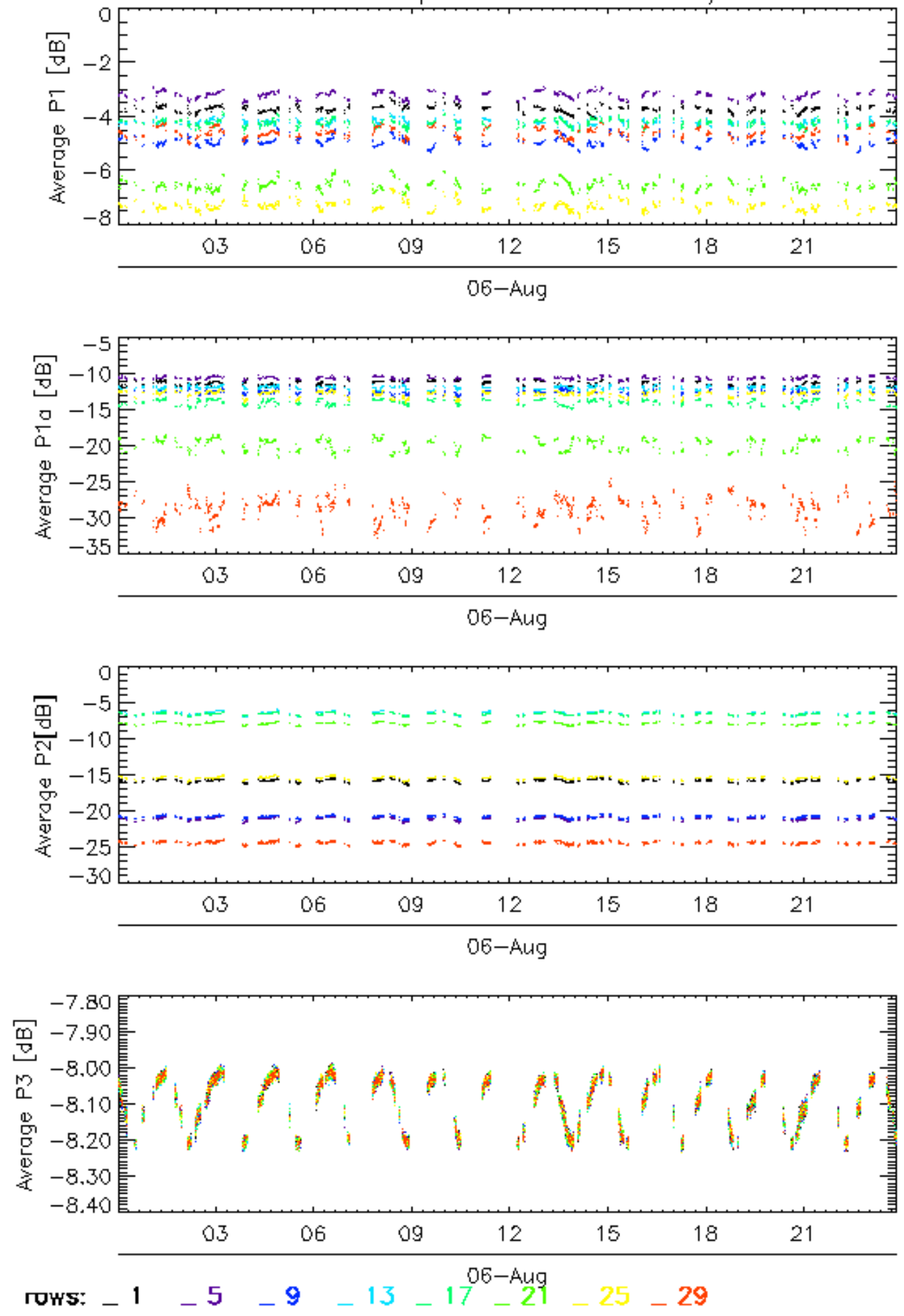
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

| Product                                                        | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |    |    |    |    |
|----------------------------------------------------------------|---------|---------|---------|---------|----|----|----|----|
| ASA_WSM_1PNPDE20080806_001756_000006062071_00016_33637_8195.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_002833_000002082071_00016_33637_8176.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_003925_000001292071_00016_33637_8180.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_004039_000000552071_00016_33637_8143.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_010750_000001532071_00017_33638_8299.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_015732_000006062071_00017_33638_8436.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_021928_000001582071_00017_33638_8314.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_023439_000000982071_00018_33639_8434.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_023809_000000982071_00018_33639_8439.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_033708_000003912071_00018_33639_8466.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_034445_000003302071_00018_33639_8809.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_034559_000002552071_00018_33639_8593.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_042807_000001352071_00019_33640_8589.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_045108_000001292071_00019_33640_8591.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_051744_000002692071_00019_33640_8669.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_052244_000003062071_00019_33640_8807.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_055946_000003302071_00020_33641_8823.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_065820_000002872071_00020_33641_8861.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_065934_000002132071_00020_33641_8834.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_081112_000003732071_00021_33642_8873.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_081929_000001032071_00021_33642_8871.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_101743_000000912071_00022_33643_8898.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_103009_000004092071_00022_33643_8929.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_103009_000004092071_00022_33643_8996.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_110758_000000922071_00023_33644_8918.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_110758_000000922071_00023_33644_8994.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_110912_000000182071_00023_33644_8974.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_115912_000003602071_00023_33644_8965.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_145548_000000362071_00025_33646_9008.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_150800_000001282071_00025_33646_9044.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_152957_000003422071_00025_33646_9042.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_160008_000001342071_00026_33647_9046.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_162049_000001652071_00026_33647_9090.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_163055_000001592071_00026_33647_9088.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_170357_000003672071_00026_33647_9092.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_171037_000002502071_00026_33647_9074.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_185036_000004822071_00027_33648_9124.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_202508_000003672071_00028_33649_9160.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_203145_000003482071_00028_33649_9158.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_212308_000000912071_00029_33650_9292.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_220520_000002512071_00029_33650_9294.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_221019_000003302071_00029_33650_9296.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_234419_000001652071_00030_33651_9436.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20080806_235019_000006062071_00030_33651_9587.N1 |         |         |         |         | OK | OK | OK | OK |

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

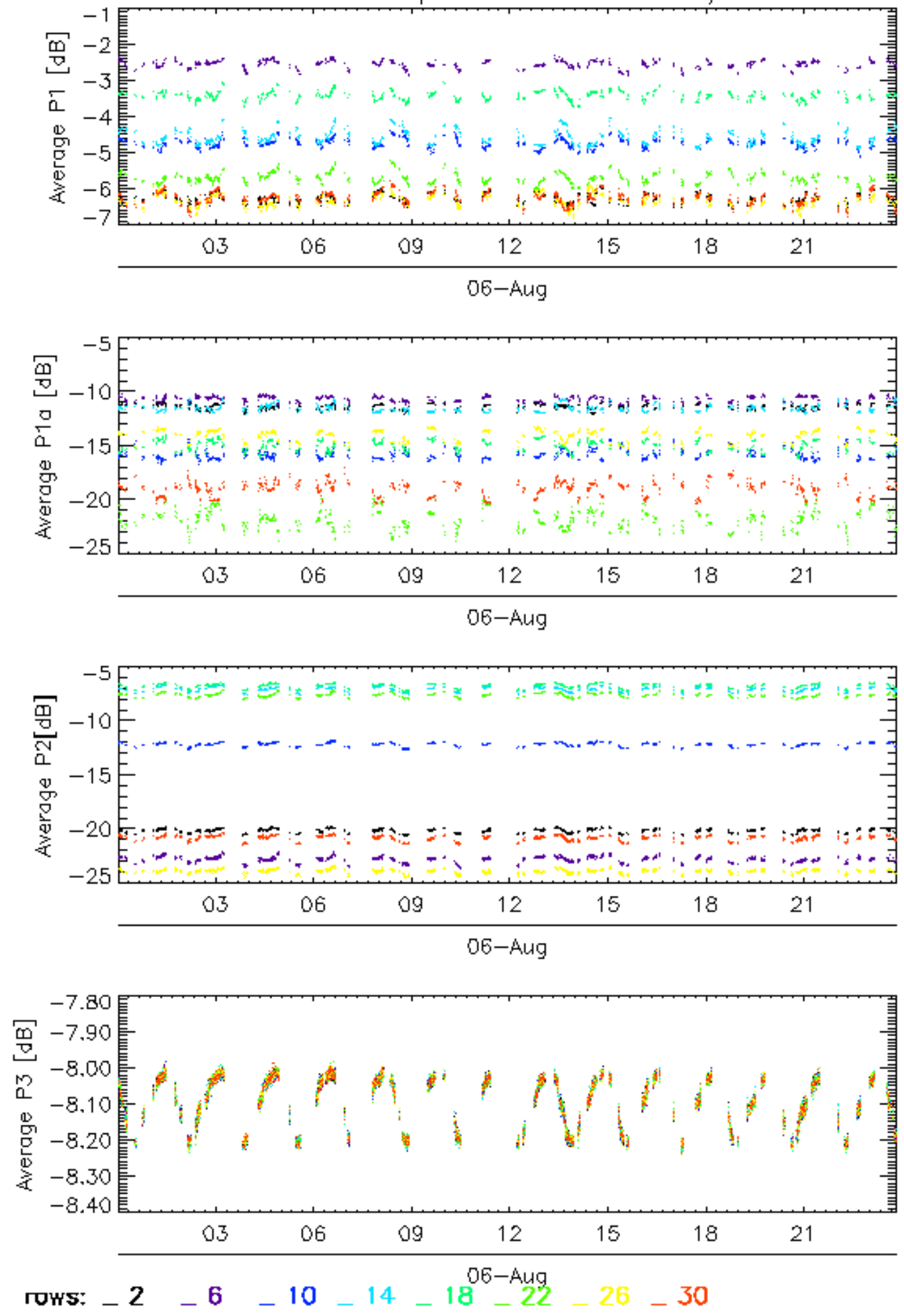
| Product                                                        | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |    |    |    |    |
|----------------------------------------------------------------|---------|---------|---------|---------|----|----|----|----|
| ASA_WVS_1PNPDE20080806_000858_000002852071_00016_33637_8051.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_003331_000002702071_00016_33637_8056.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_003731_000000752071_00016_33637_8183.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_004135_000002092071_00016_33637_8186.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_004814_000009742071_00016_33637_8193.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_012955_000008682071_00017_33638_8212.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_014822_000003602071_00017_33638_8215.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_021407_000002852071_00017_33638_8361.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_031627_000008242071_00018_33639_8364.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_032956_000002252071_00018_33639_8491.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_035801_000009142071_00018_33639_8521.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_045728_000008392071_00019_33640_8524.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_051113_000002552071_00019_33640_8695.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_053519_000014242071_00019_33640_8745.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_064105_000006292071_00020_33641_8720.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_213203_000013942071_00029_33650_9169.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_215711_000002552071_00029_33650_9172.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_222118_000002102071_00029_33650_9175.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_222403_000007942071_00029_33650_9305.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_224510_000004642071_00030_33651_9310.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_231027_000013192071_00030_33651_9350.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20080806_233830_000002102071_00030_33651_9343.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_065120_000002852071_00020_33641_7117.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_071546_000018292071_00020_33641_7136.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_082951_000004202071_00021_33642_7208.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_085631_000019492071_00021_33642_7281.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_100120_000008842071_00022_33643_7346.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_103658_000017692071_00022_33643_7407.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_112503_000012442071_00023_33644_7449.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_114839_000004942071_00023_33644_7454.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_121742_000003302071_00023_33644_7457.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_122738_000006592071_00023_33644_7462.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_124023_000002692071_00024_33645_7547.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_130647_000008842071_00024_33645_7597.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_135818_000003302071_00024_33645_7606.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_140933_000005092071_00024_33645_7618.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_150628_000000442071_00025_33646_7721.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_151009_000005402071_00025_33646_7726.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_153854_000012292071_00025_33646_7787.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_164007_000011692071_00026_33647_7842.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_171930_000013042071_00026_33647_7847.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_181608_000014542071_00027_33648_7967.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_190209_000007642071_00027_33648_7984.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_194935_000018742071_00028_33649_8095.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20080806_204042_000003152071_00028_33649_8102.N1 |         |         |         |         | OK | OK | OK | OK |

### Calibration pulses for GM1 SS3 H/H

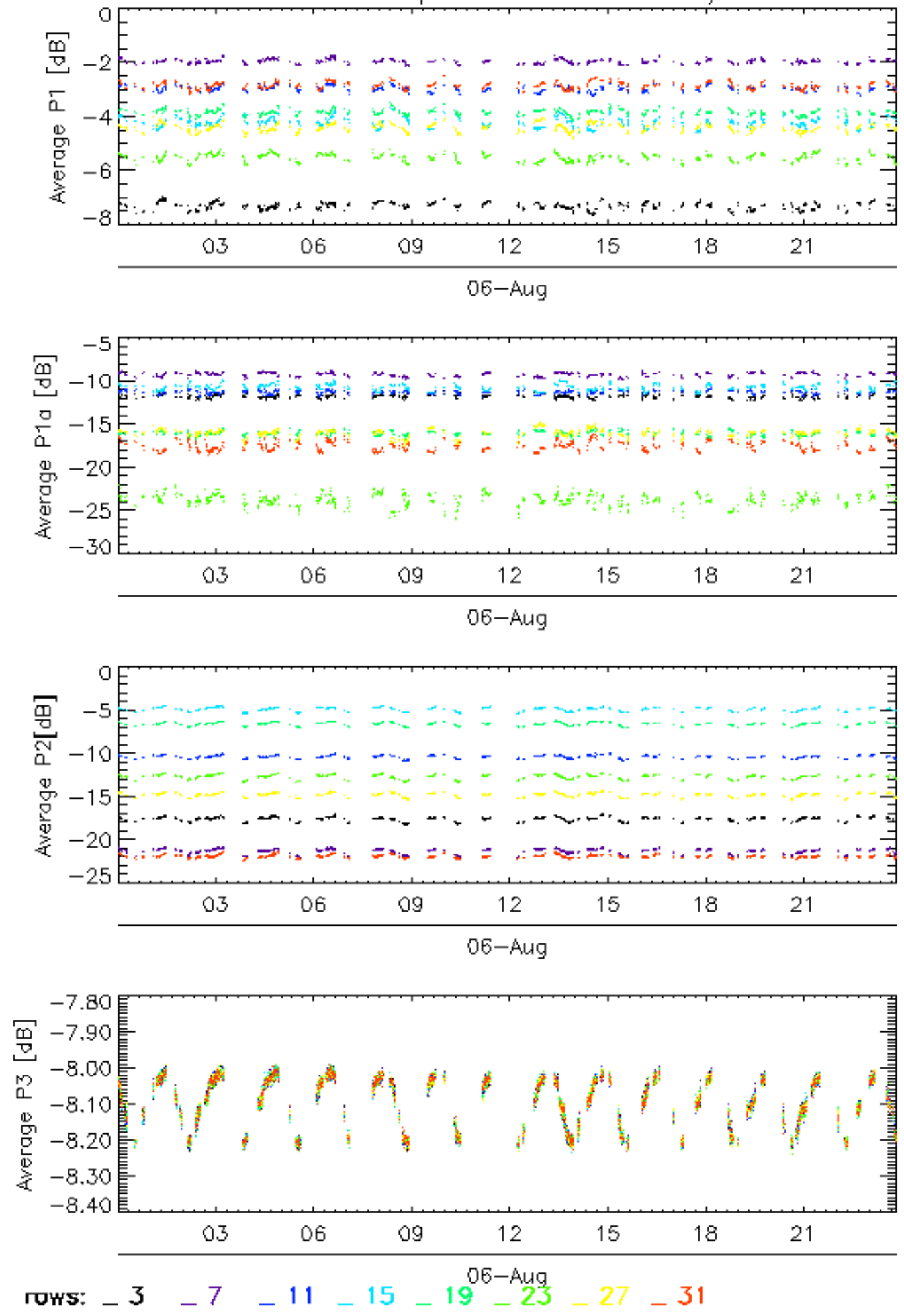




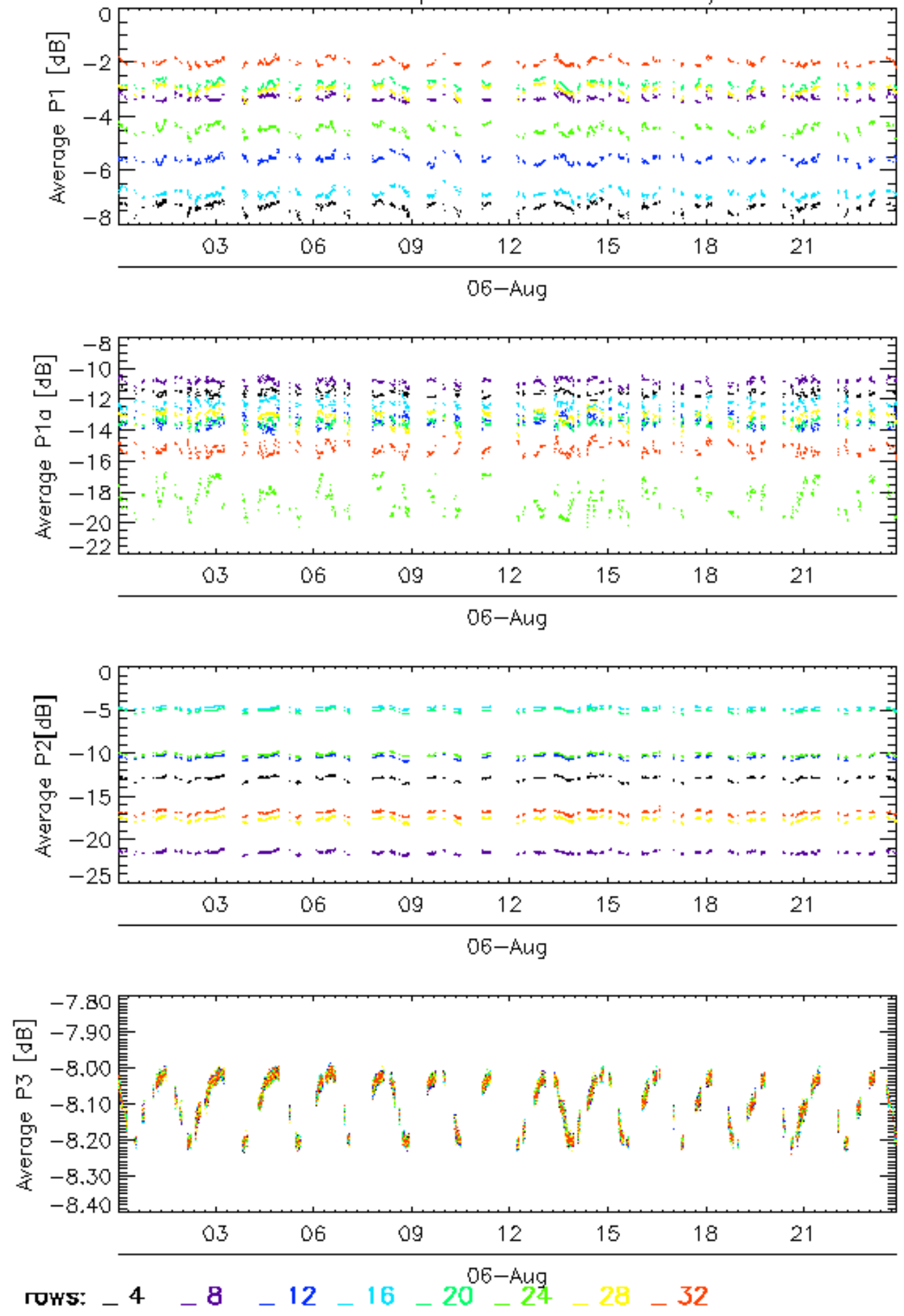
Calibration pulses for GM1 SS3 H/H



### Calibration pulses for GM1 SS3 H/H

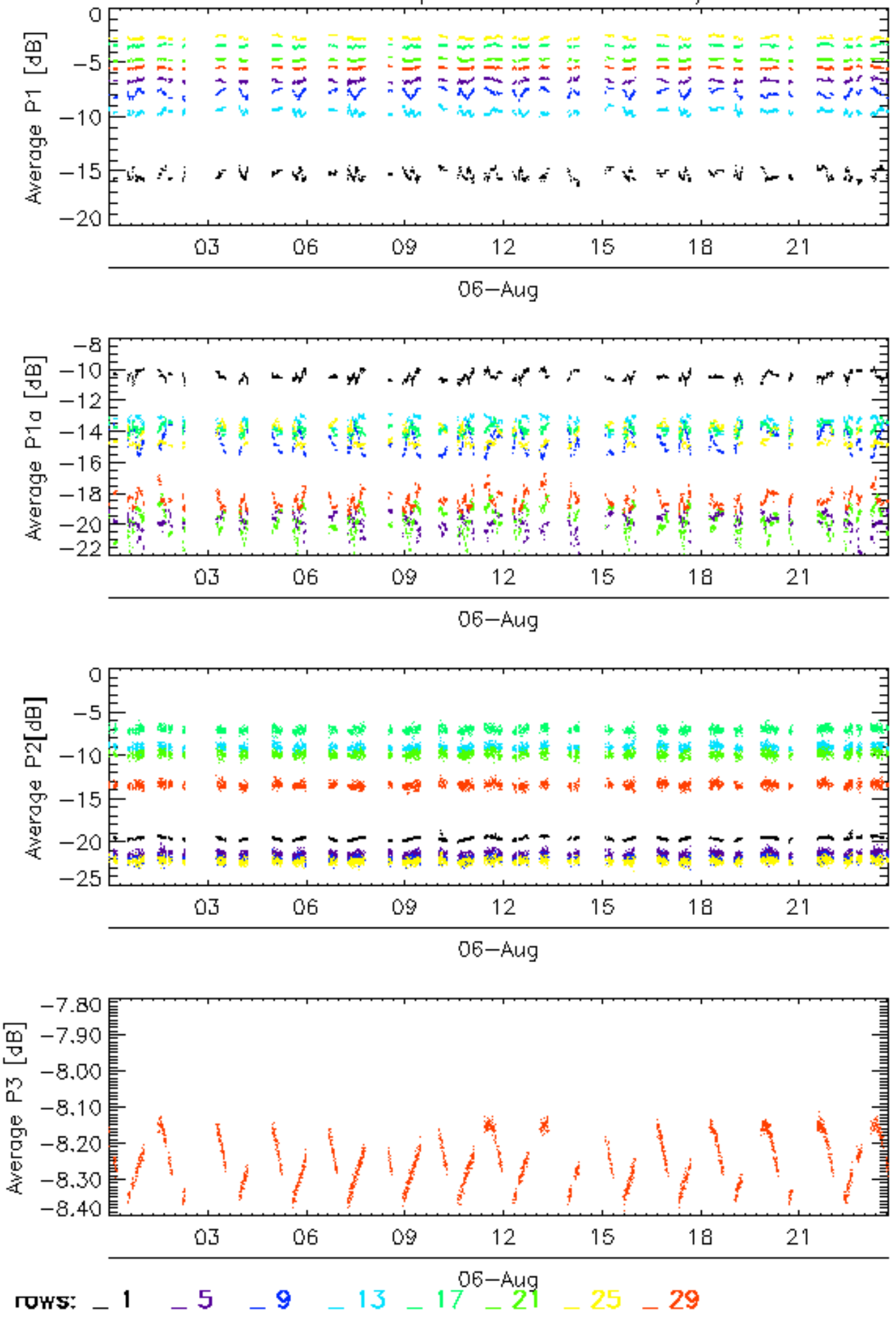


### Calibration pulses for GM1 SS3 H/H

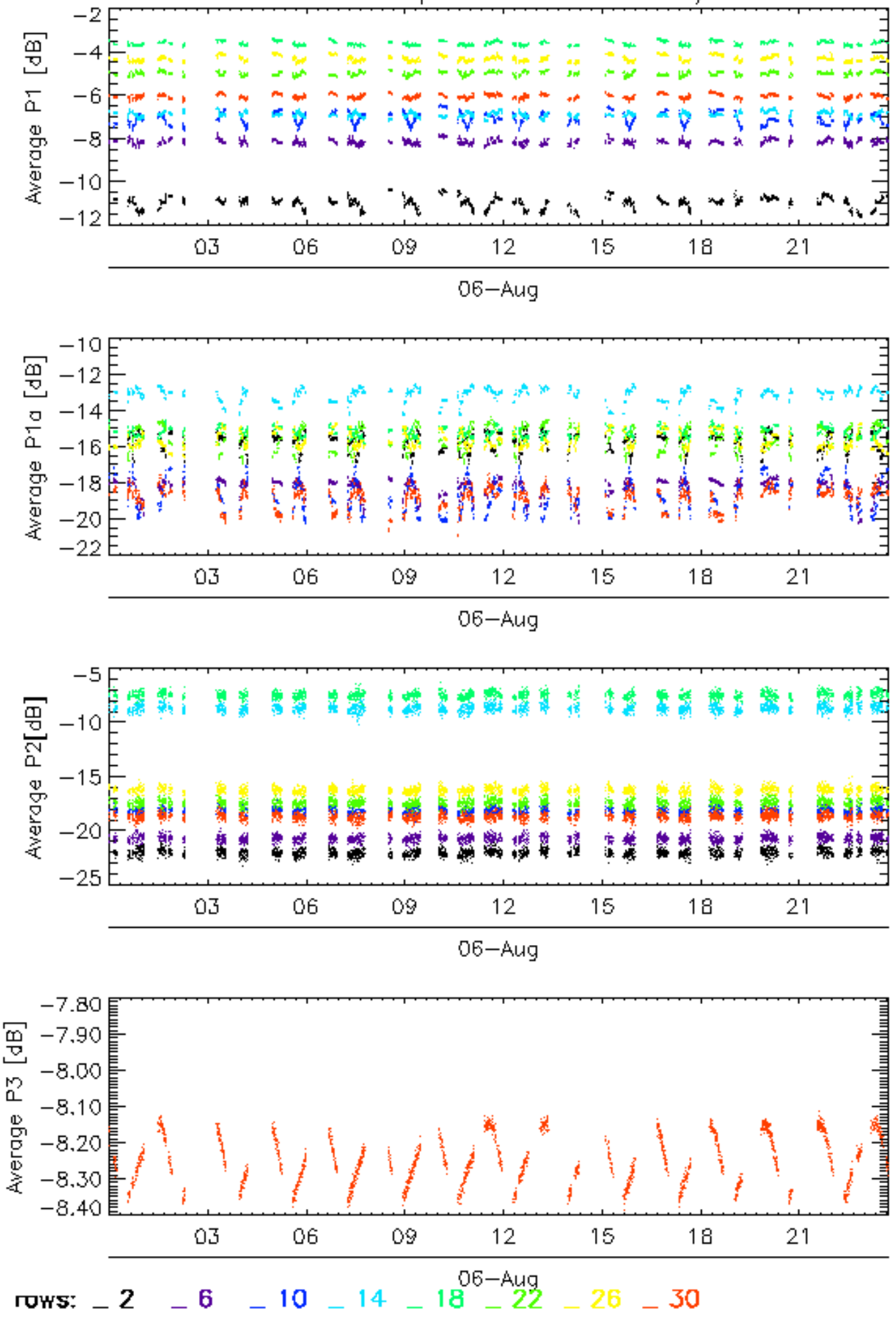




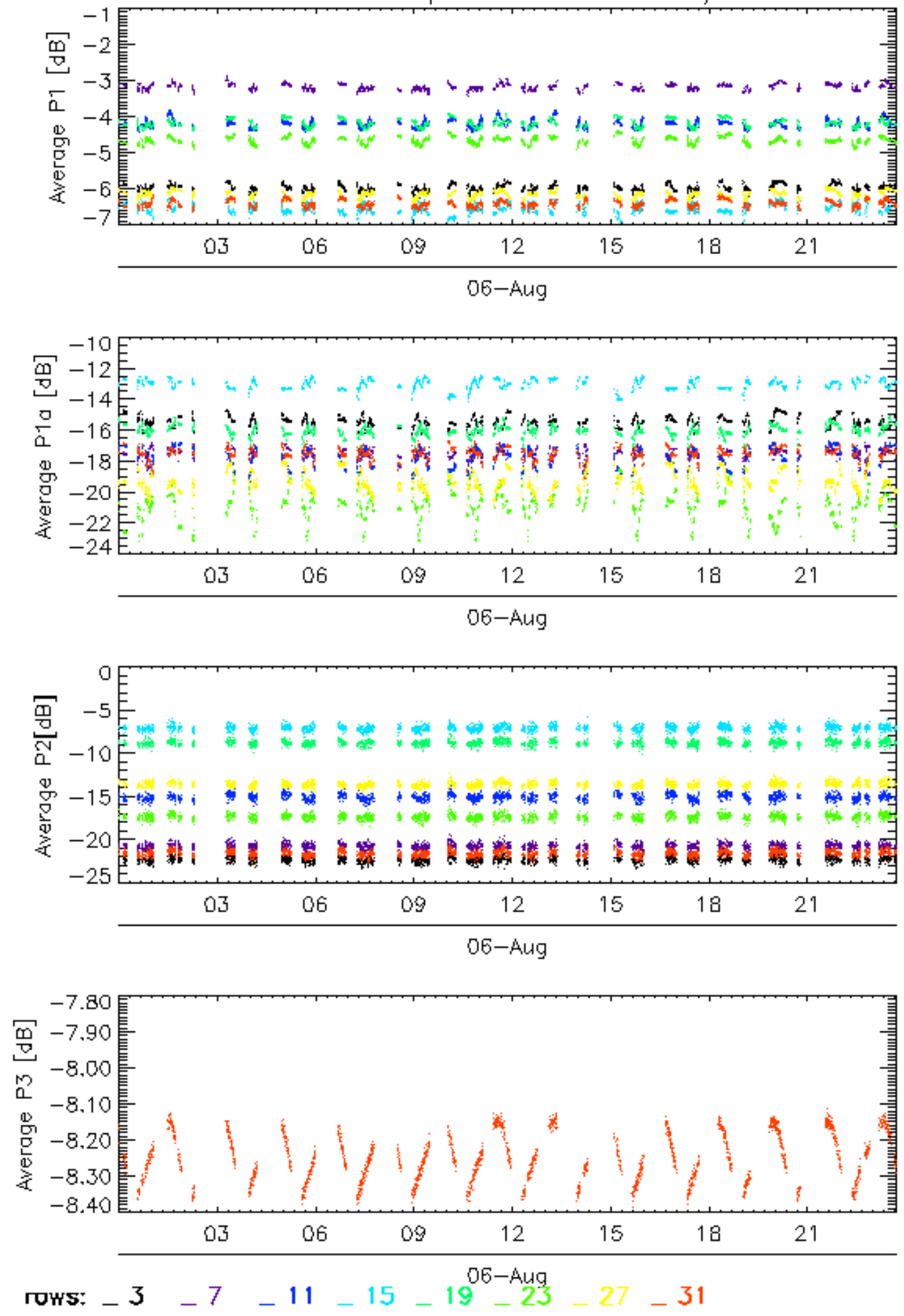
Calibration pulses for WVS IS2 V/V



Calibration pulses for WVS IS2 V/V

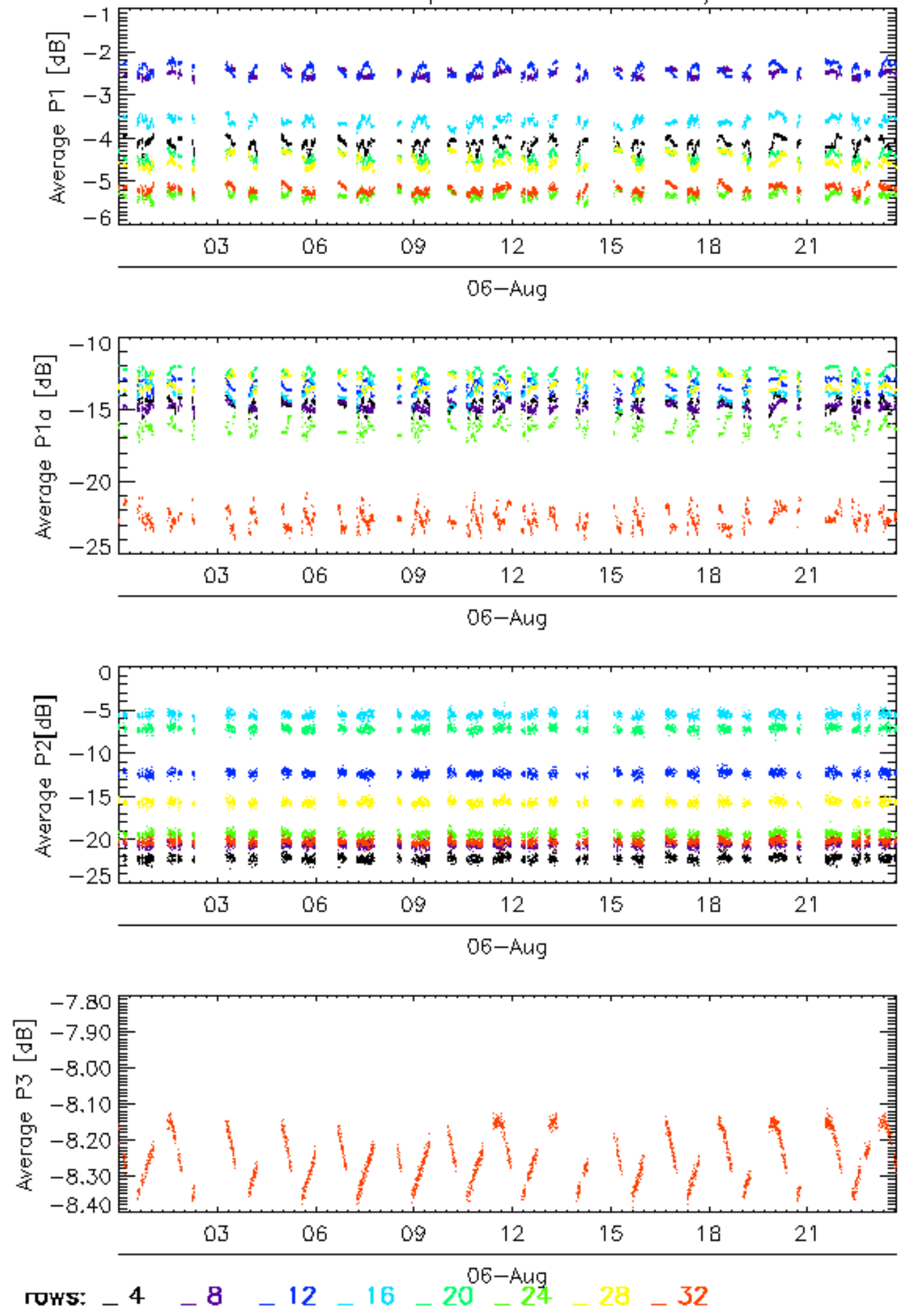


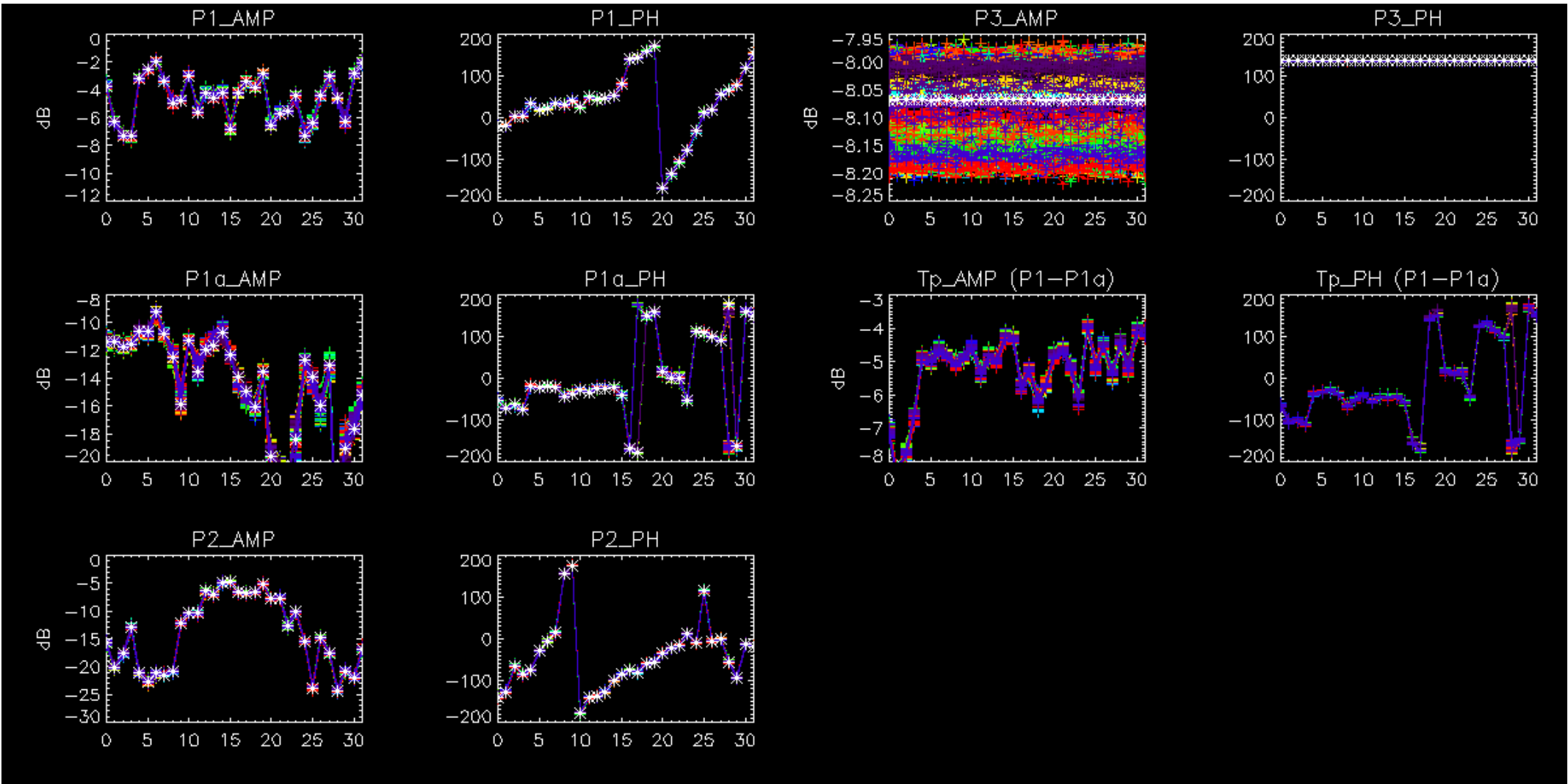
Calibration pulses for WVS IS2 V/V

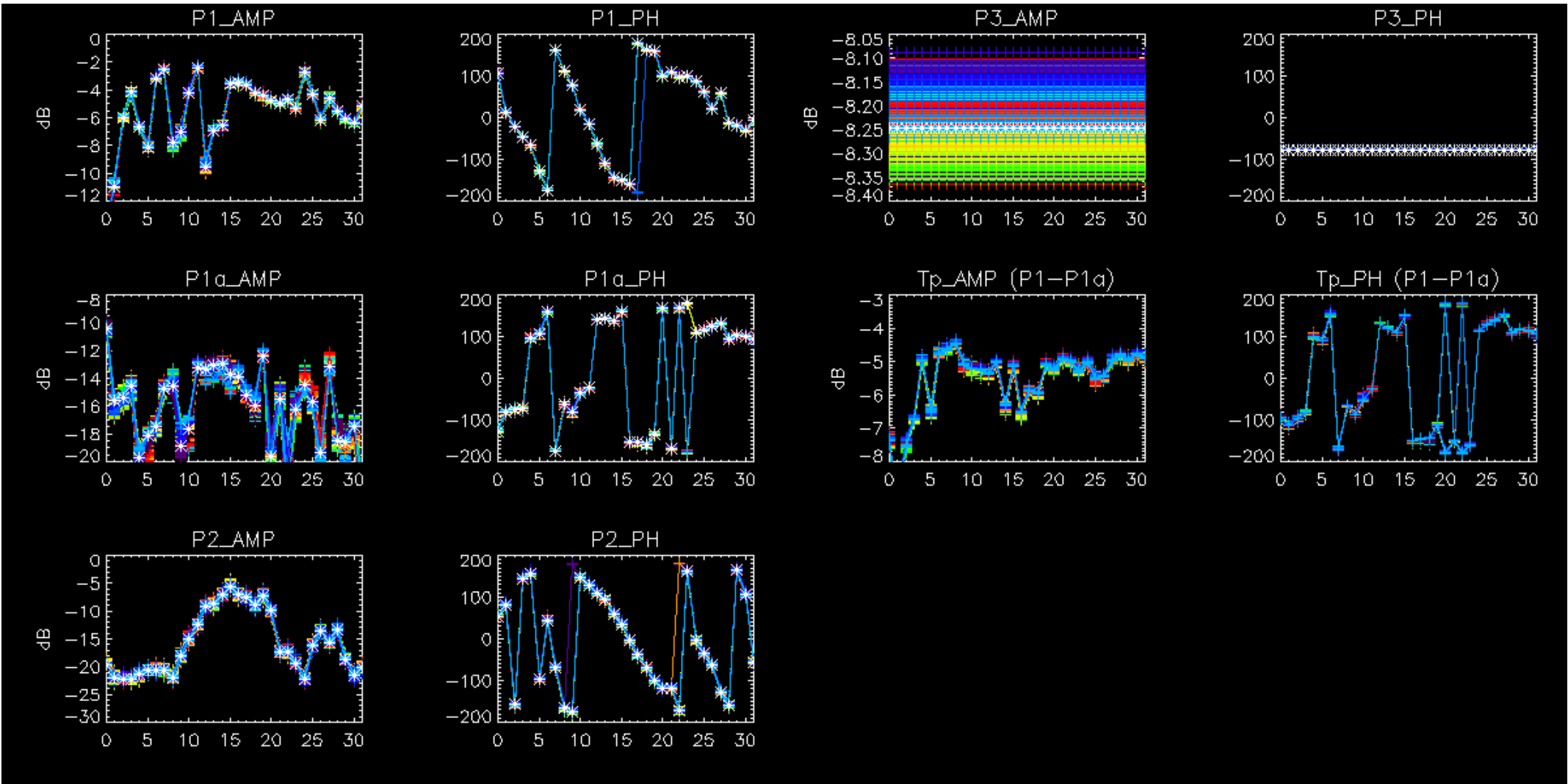




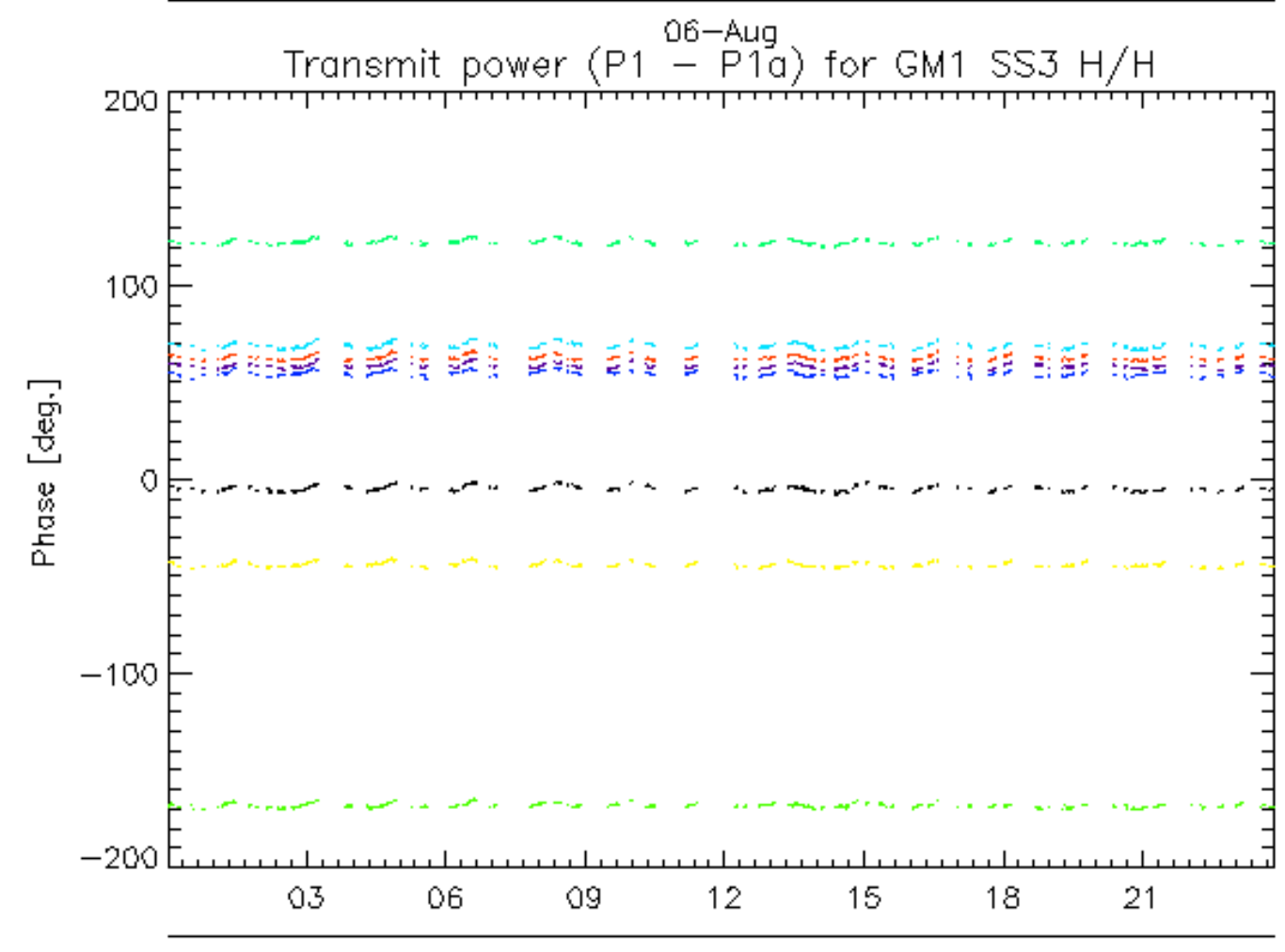
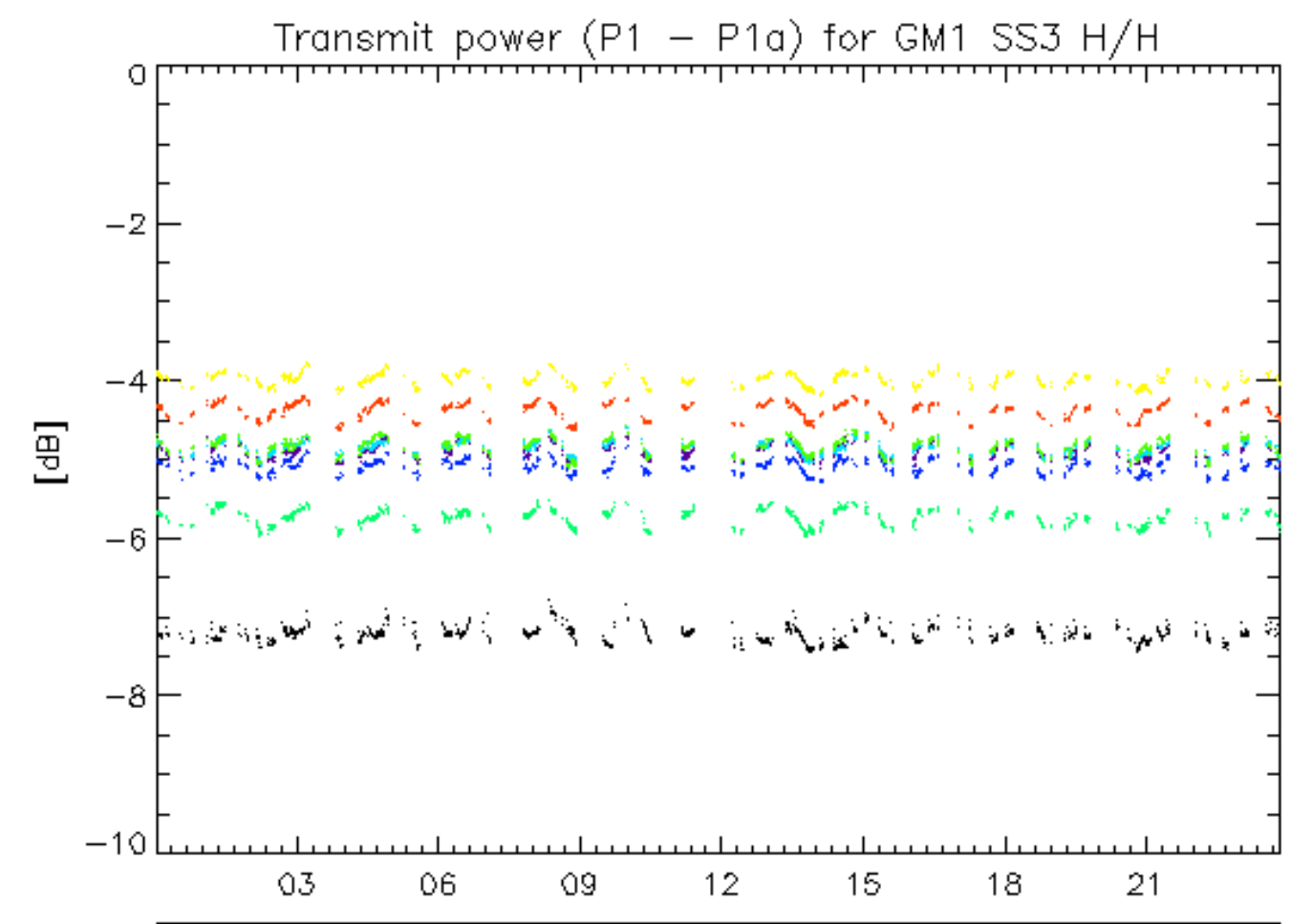
Calibration pulses for WVS IS2 V/V



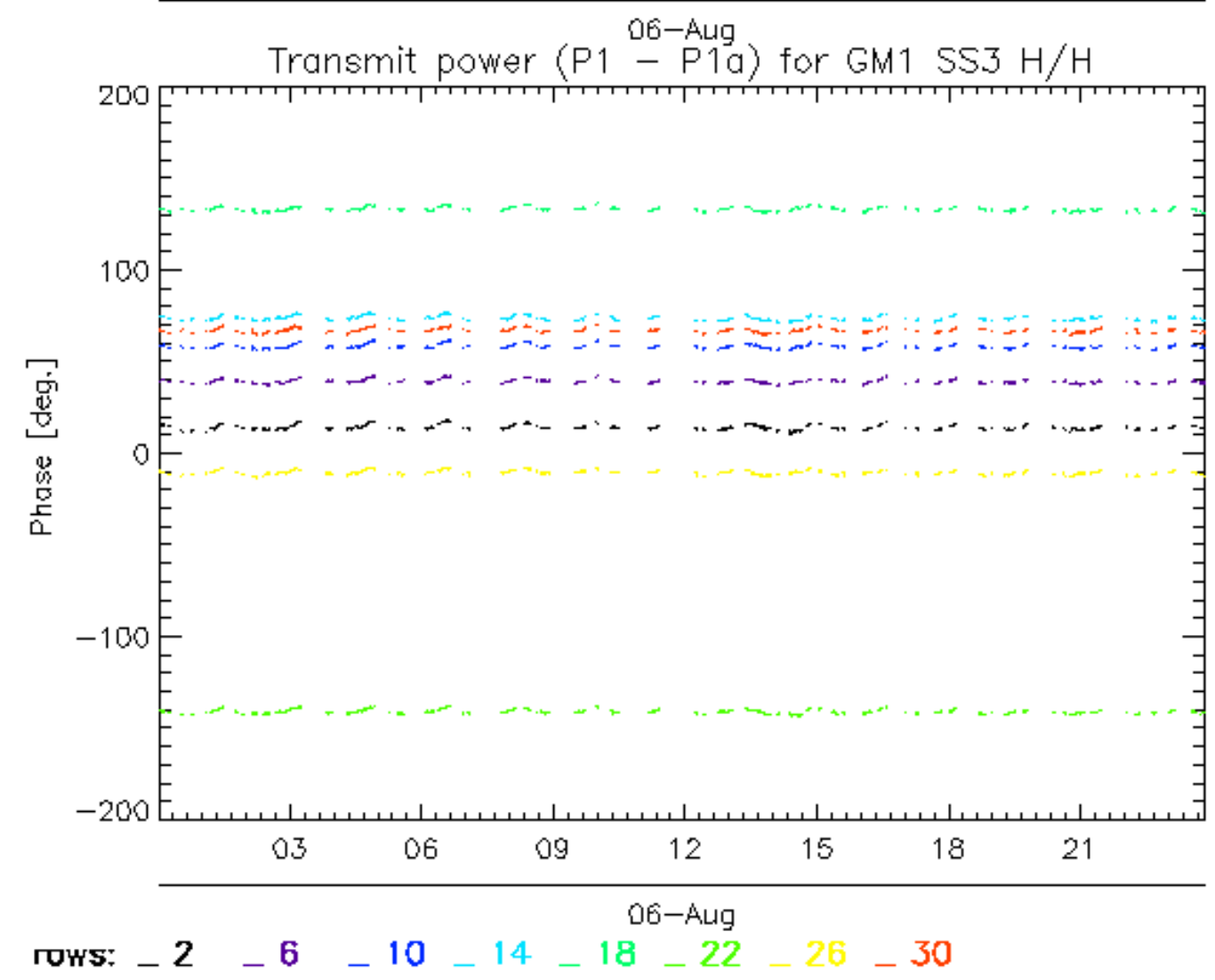
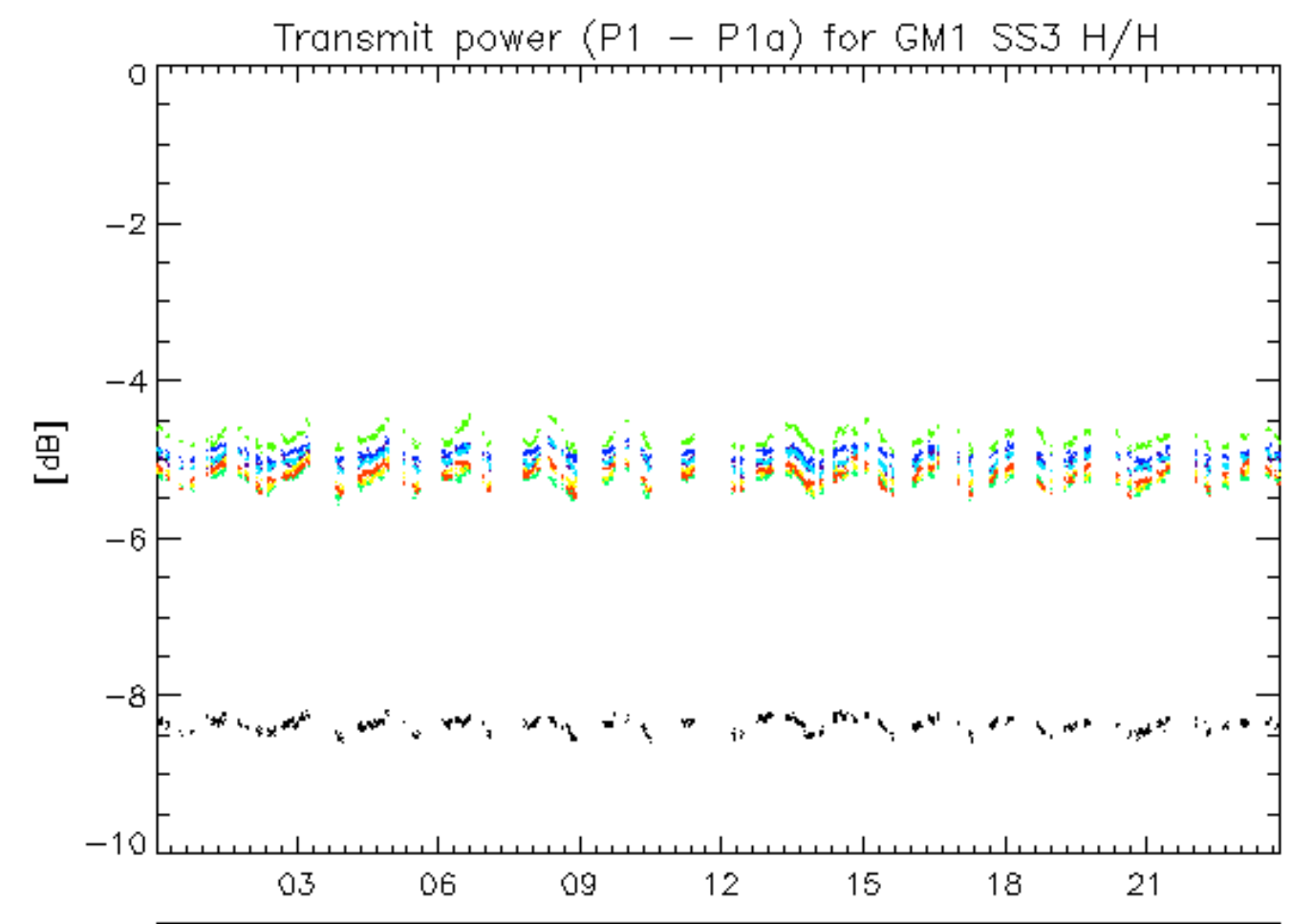


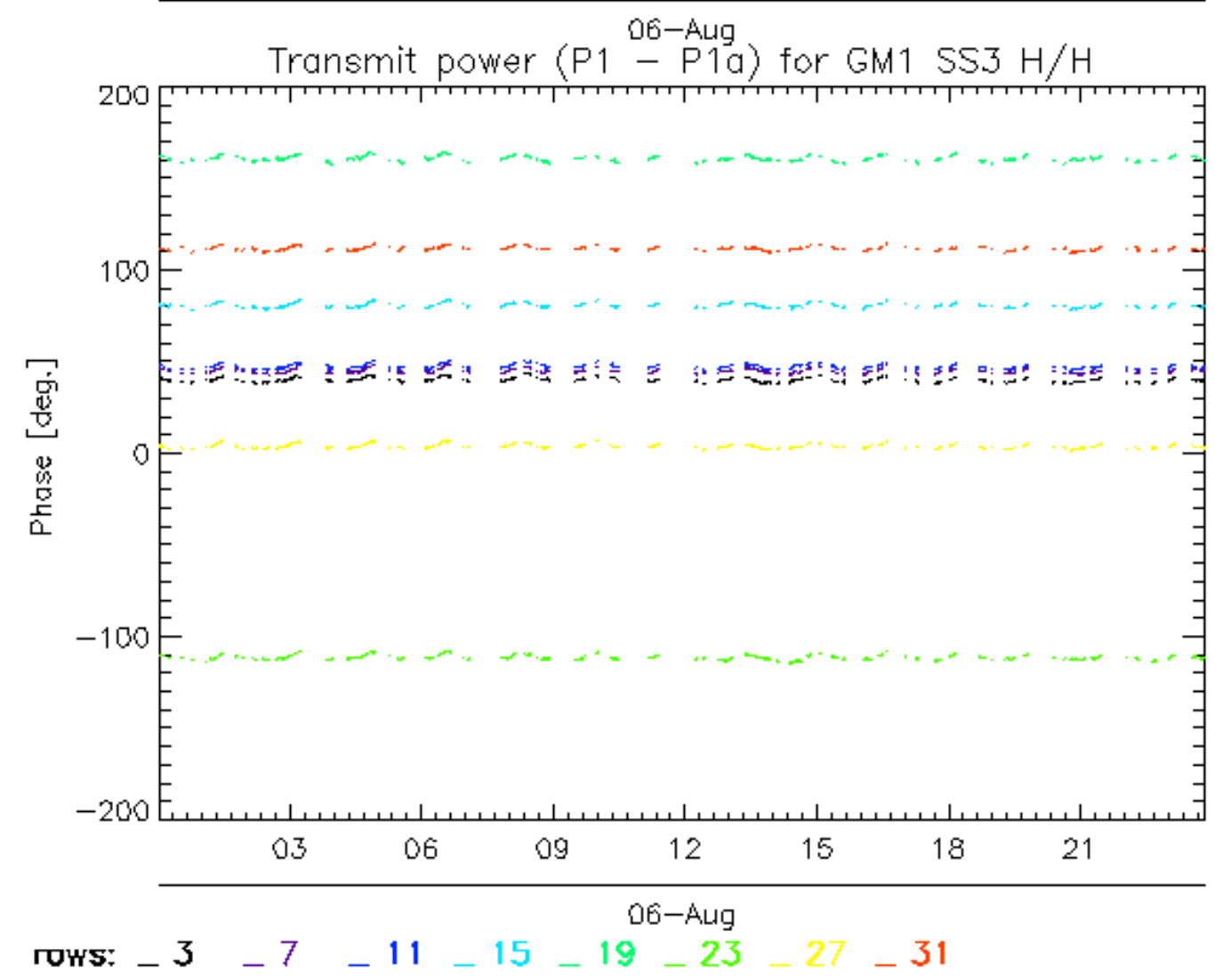
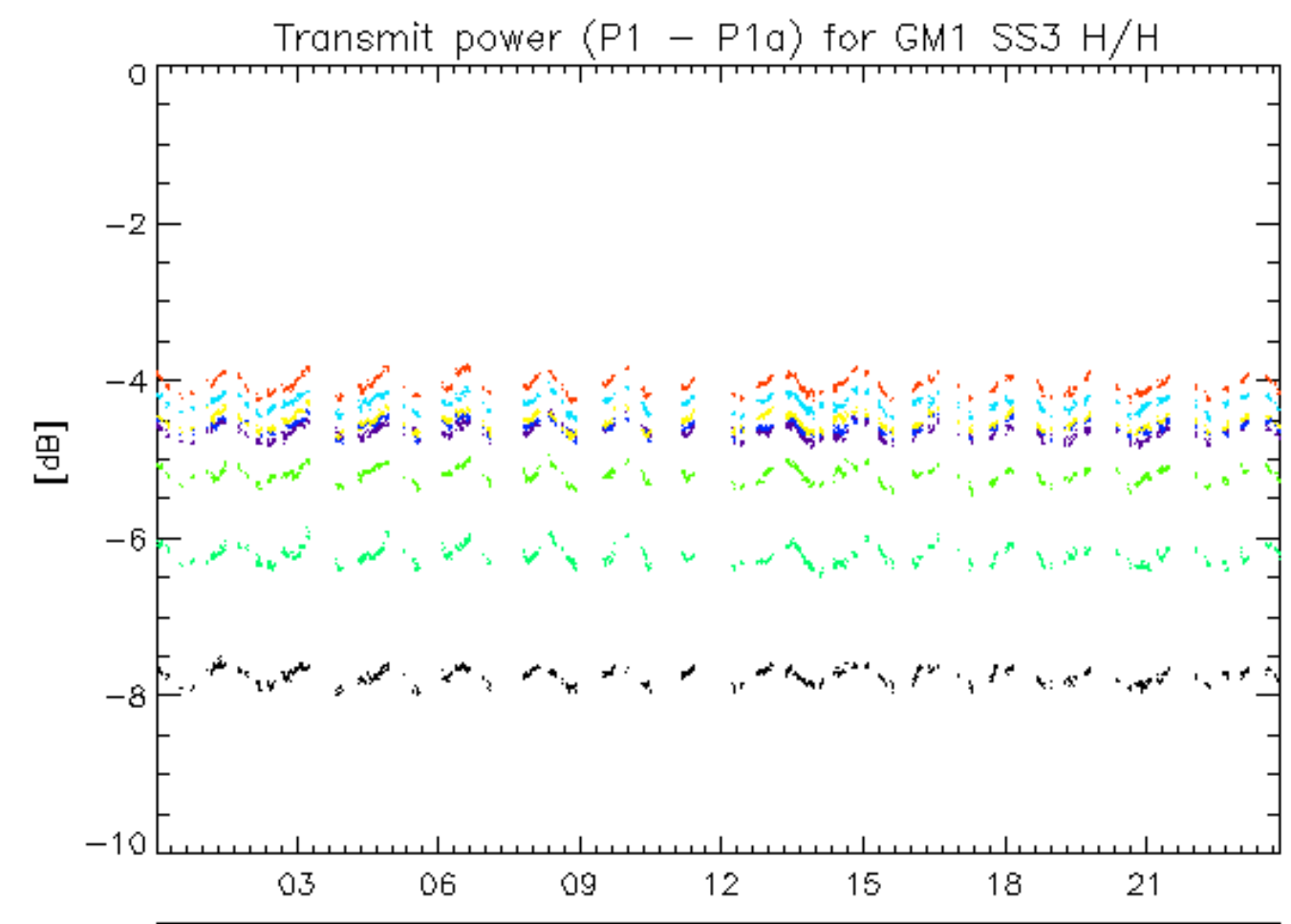




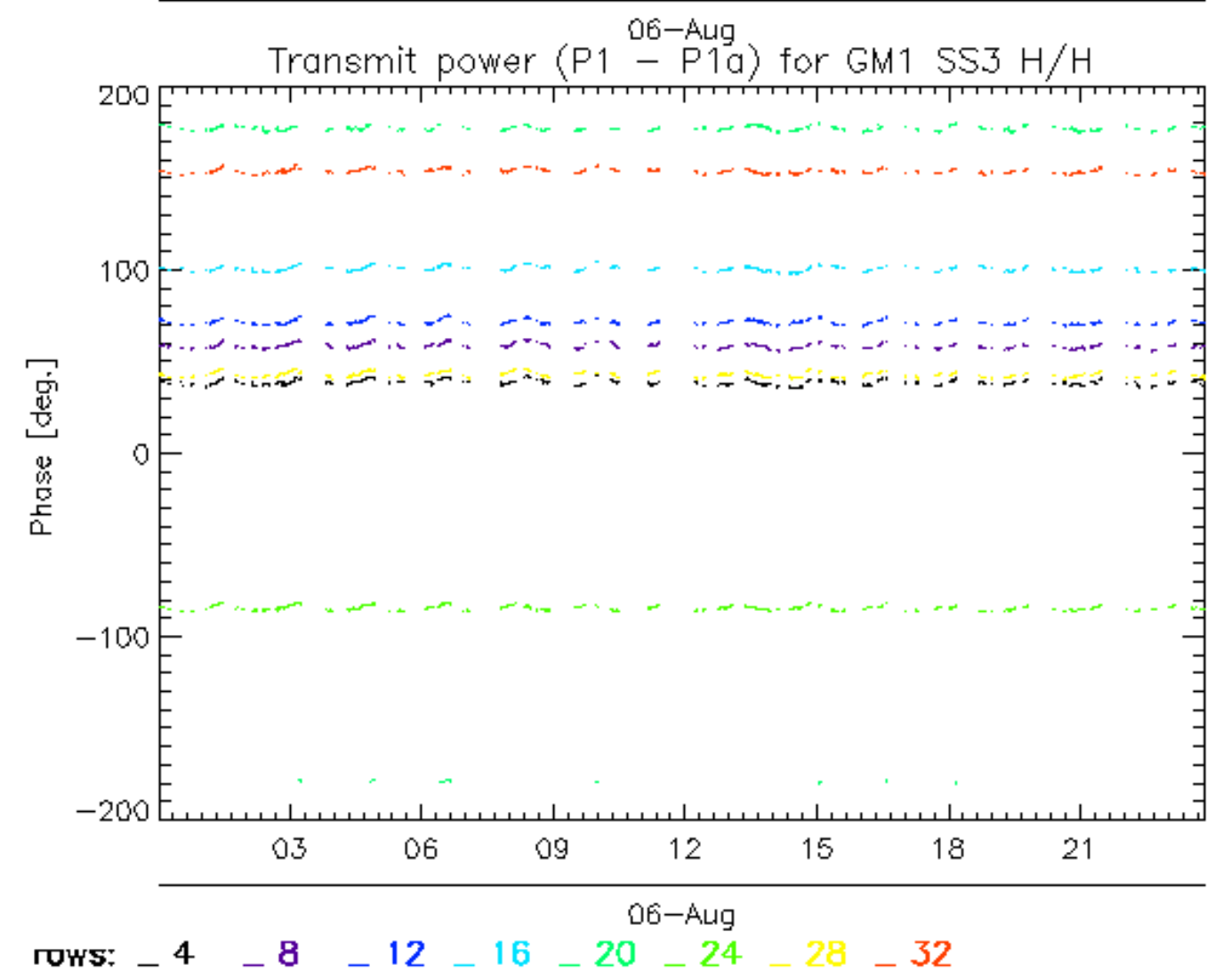
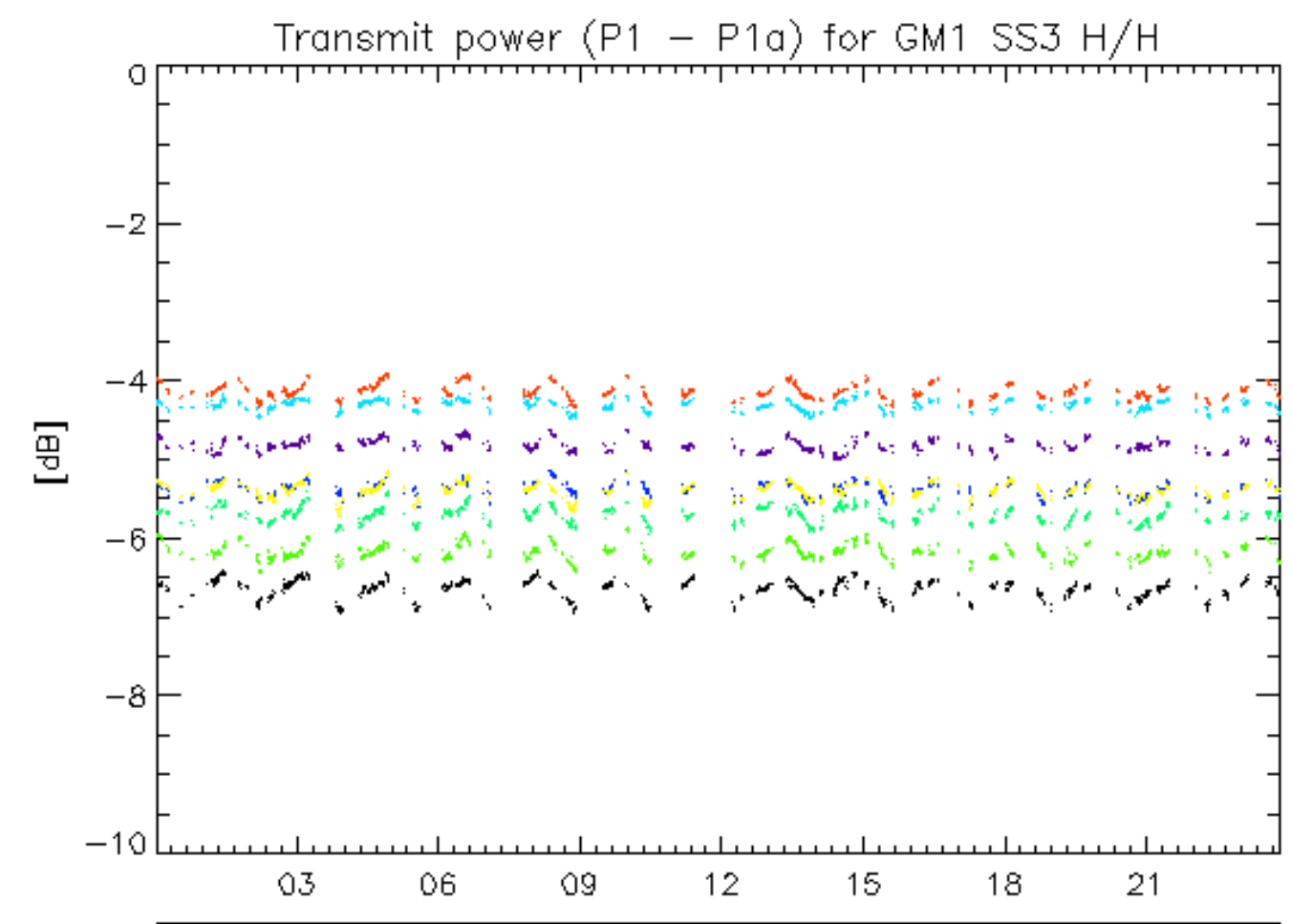


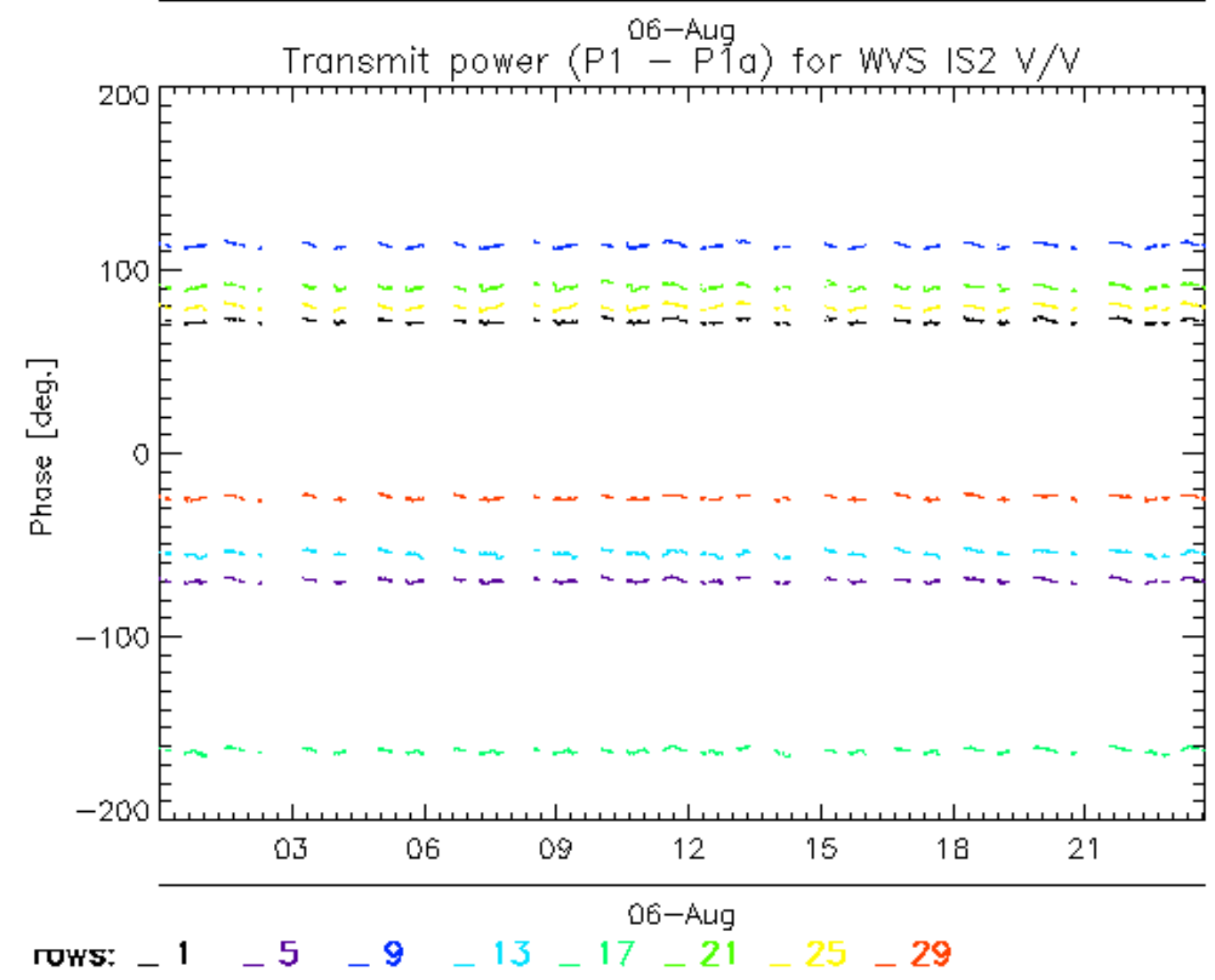
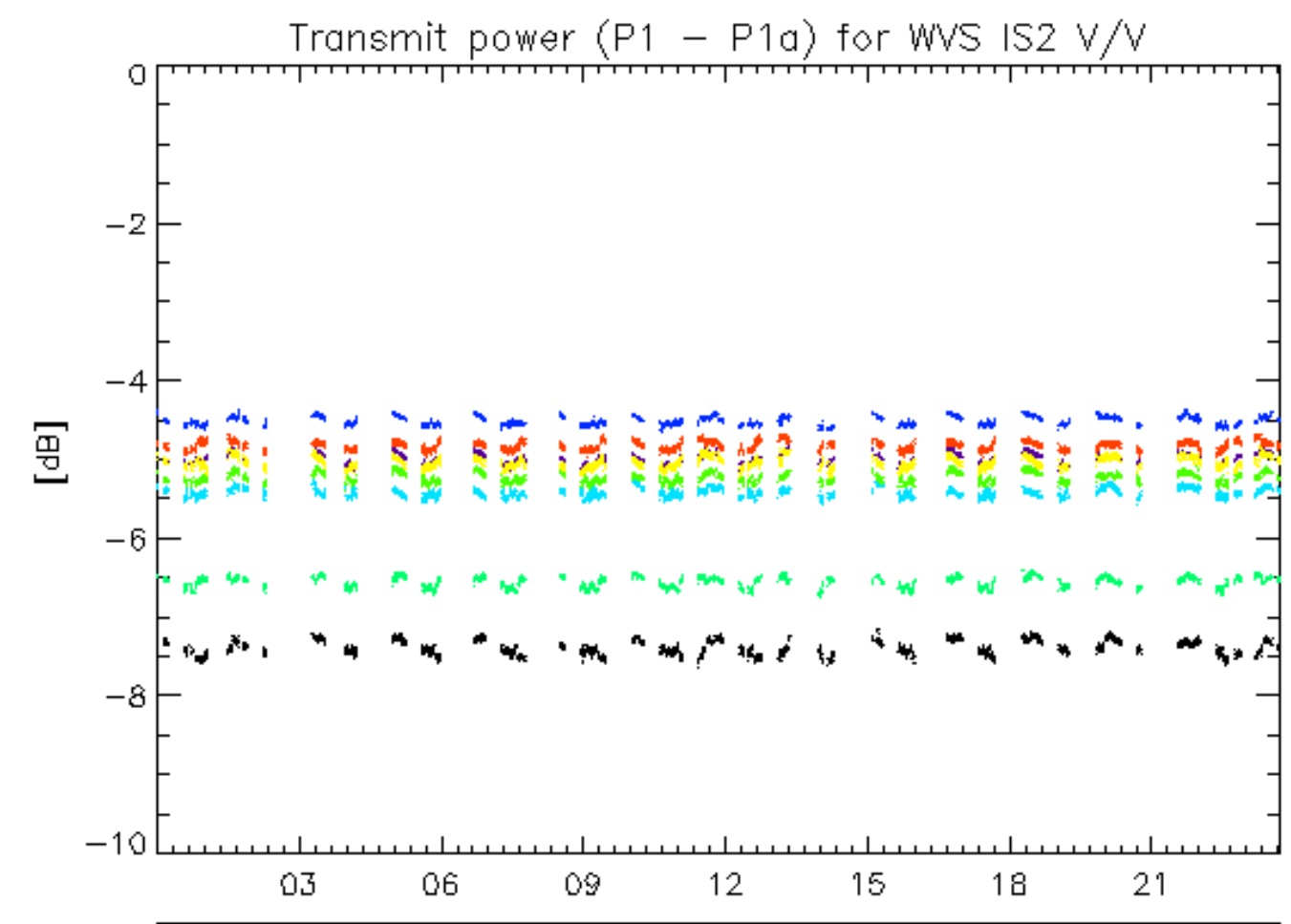
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rows: \_ 1 \_ 5 \_ 9 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29

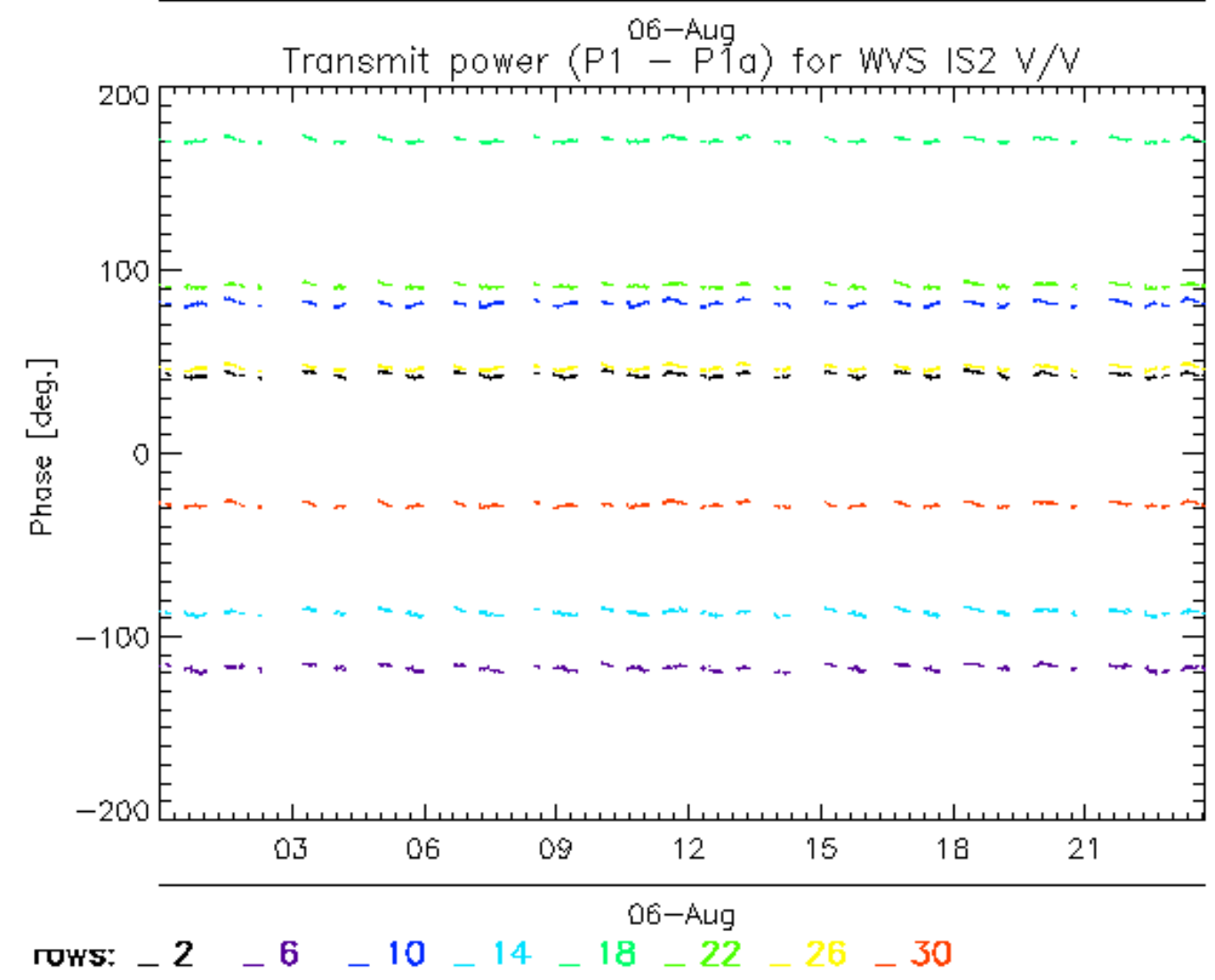
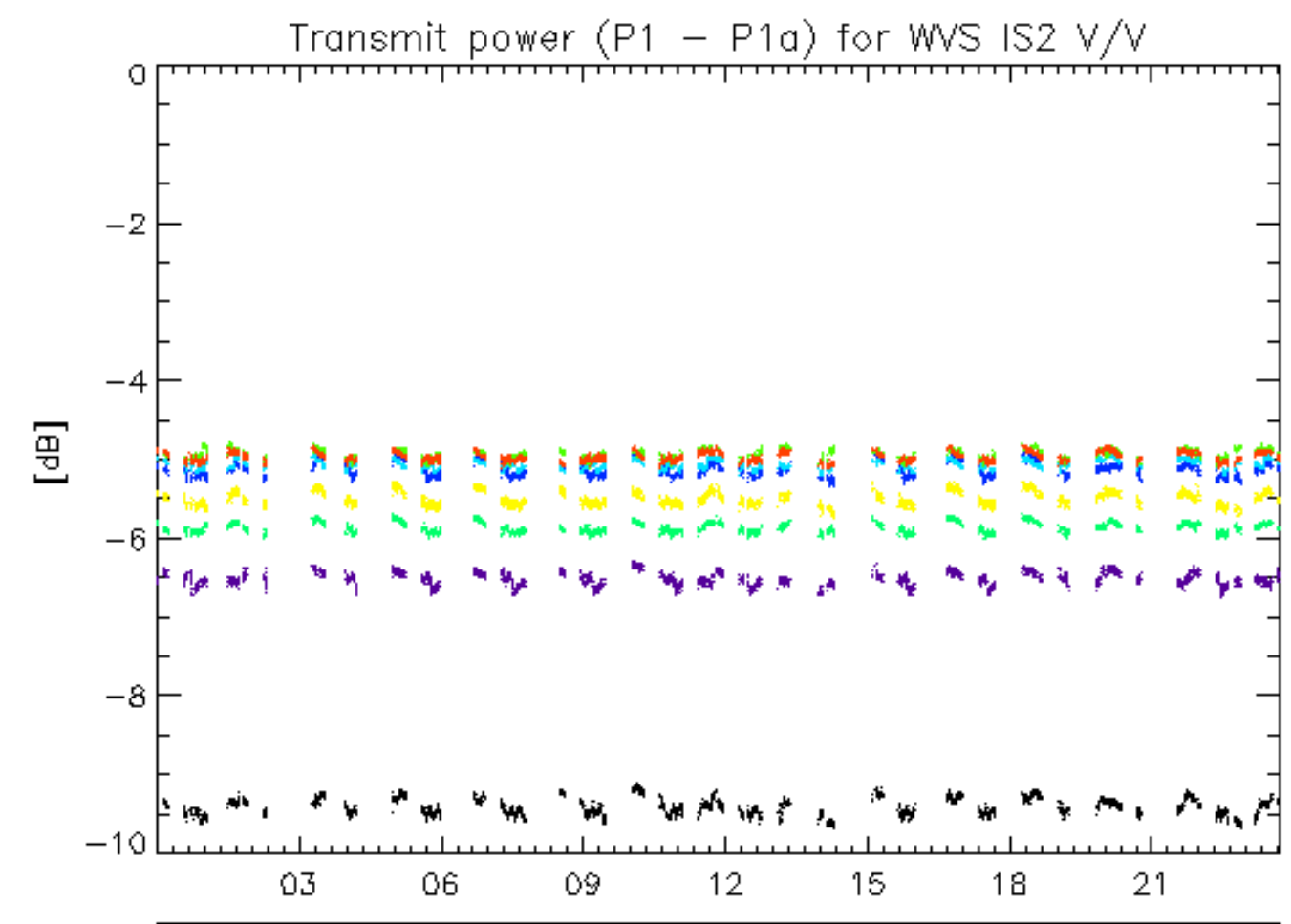


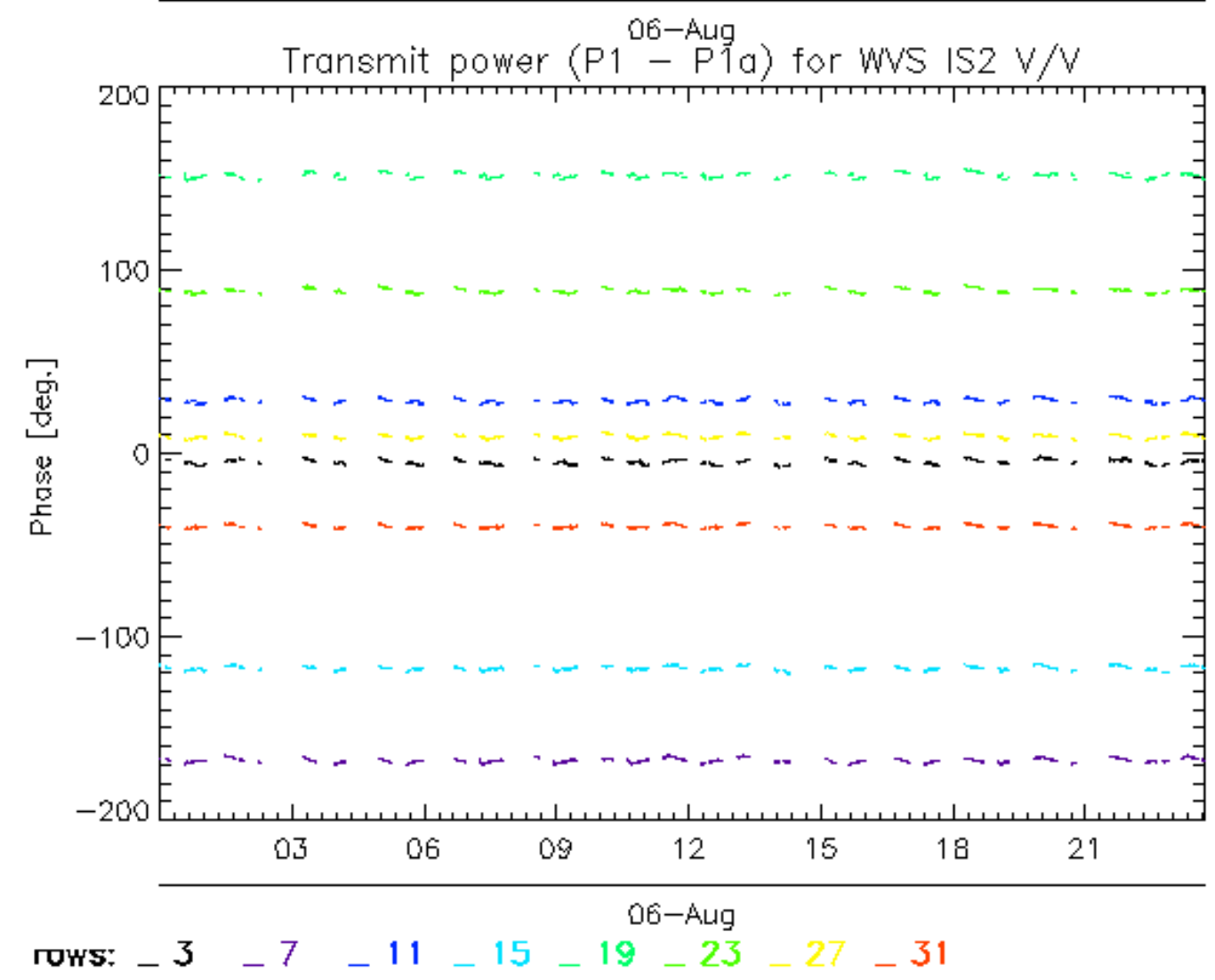
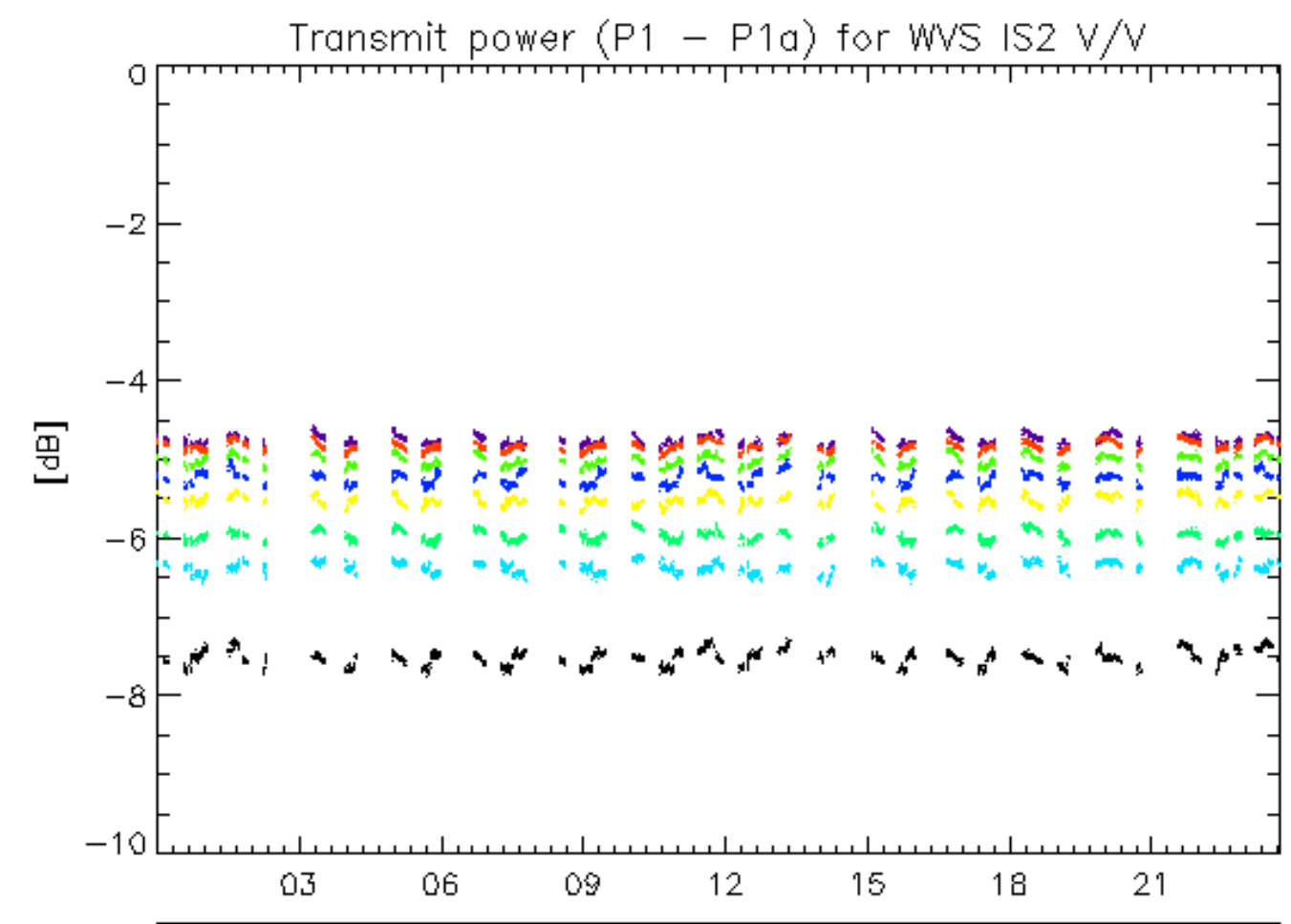




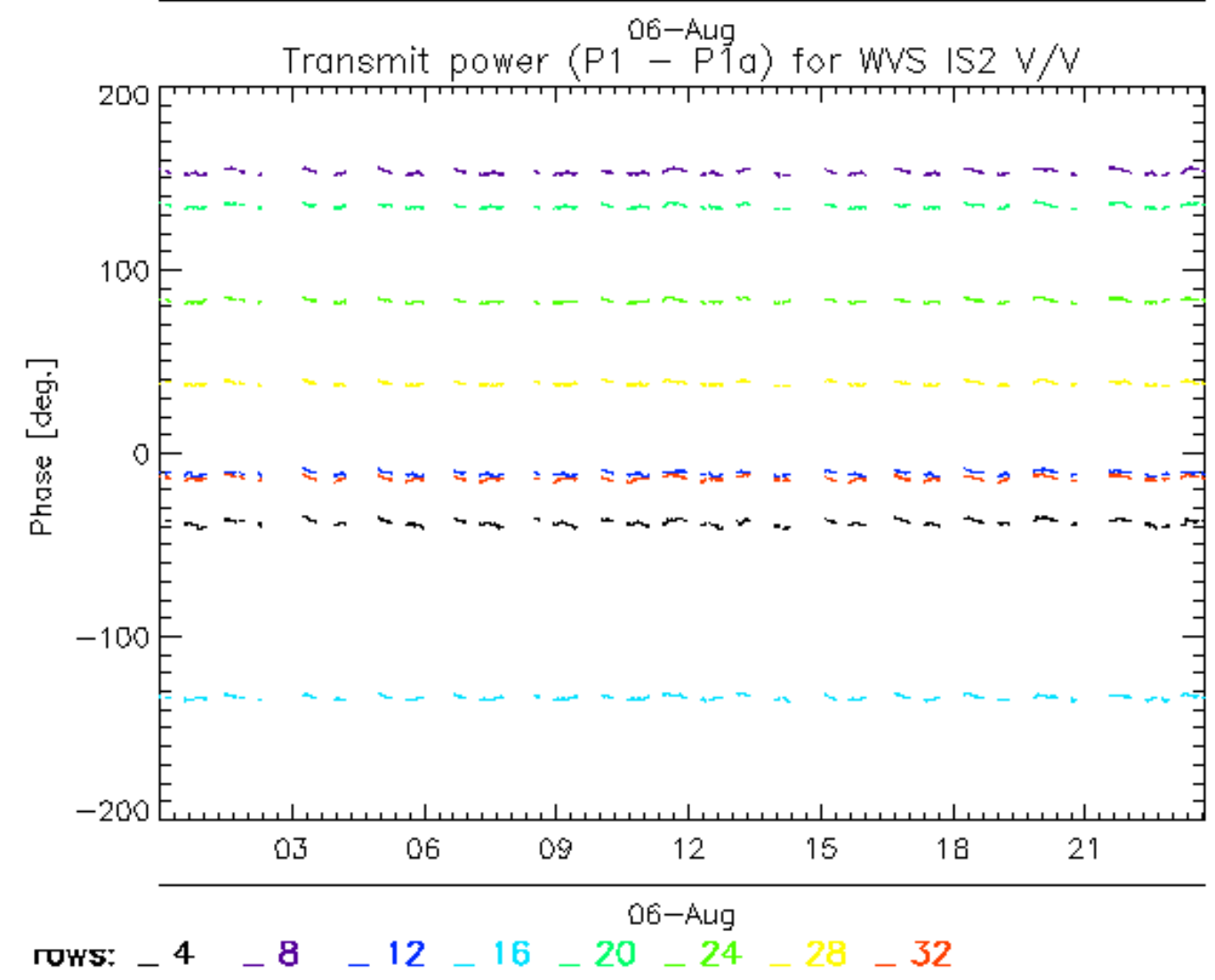
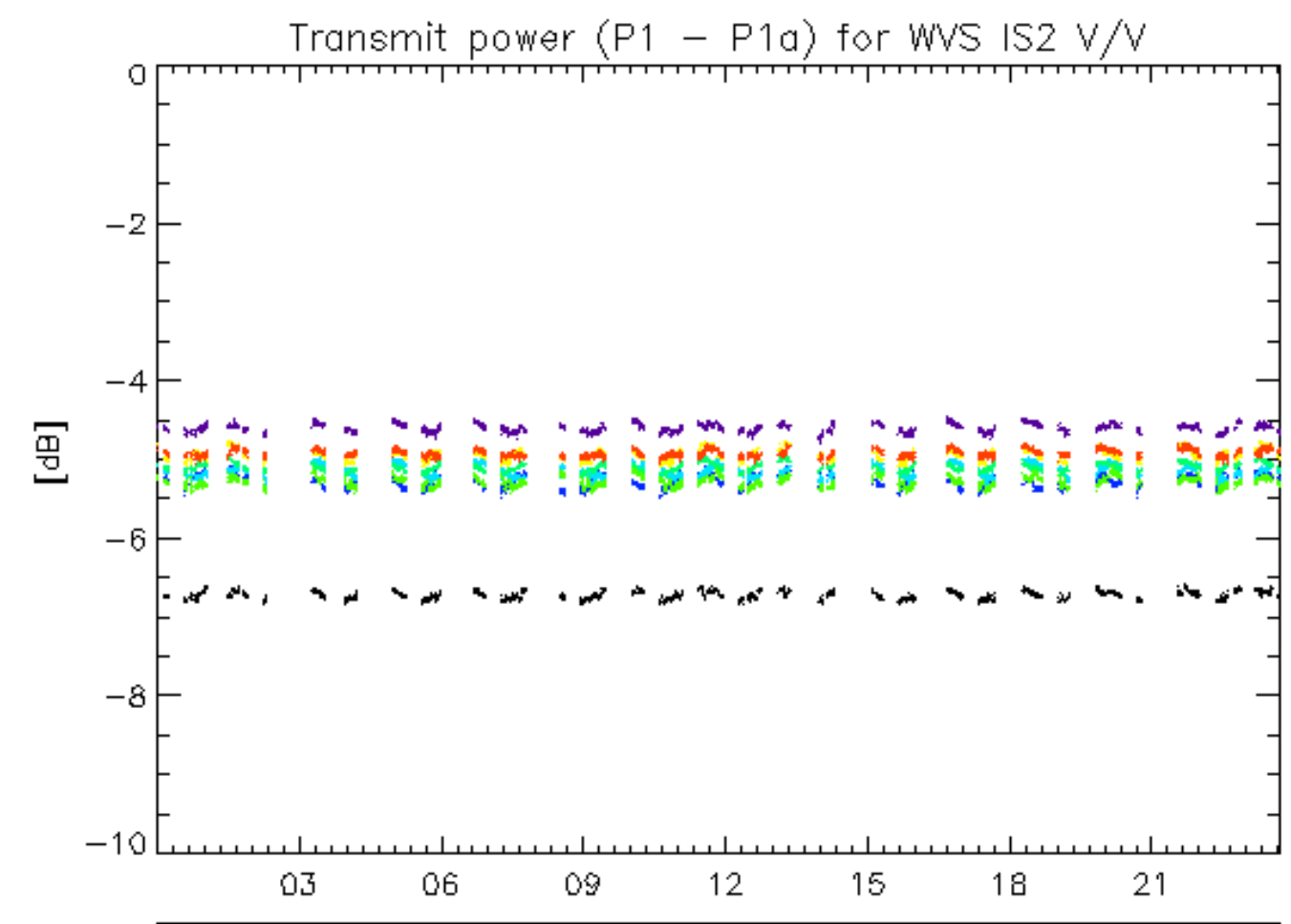


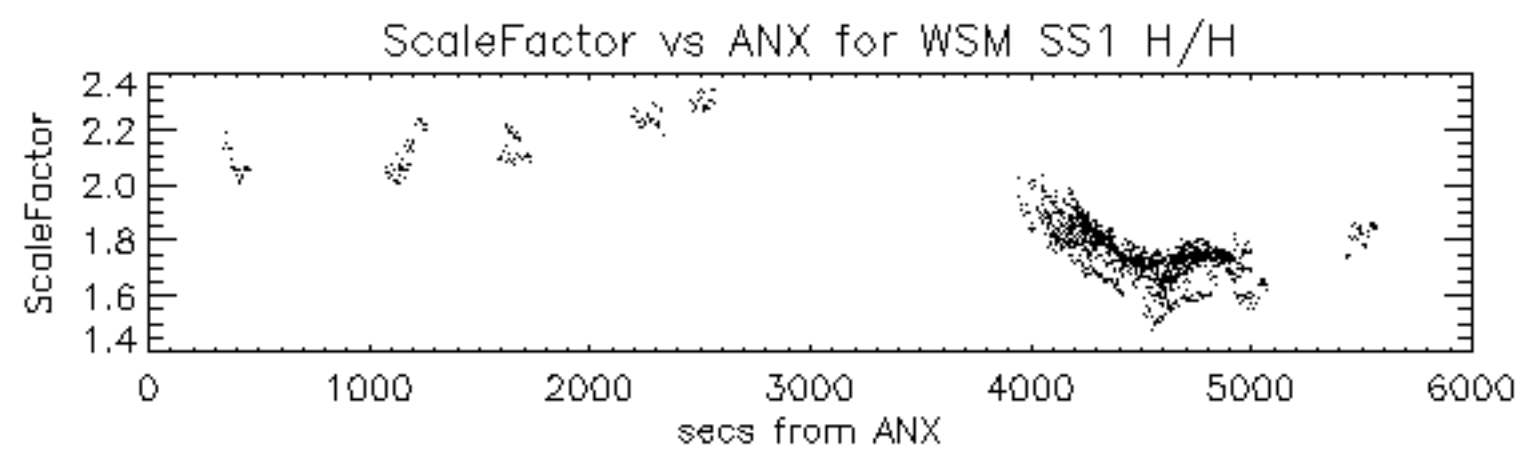


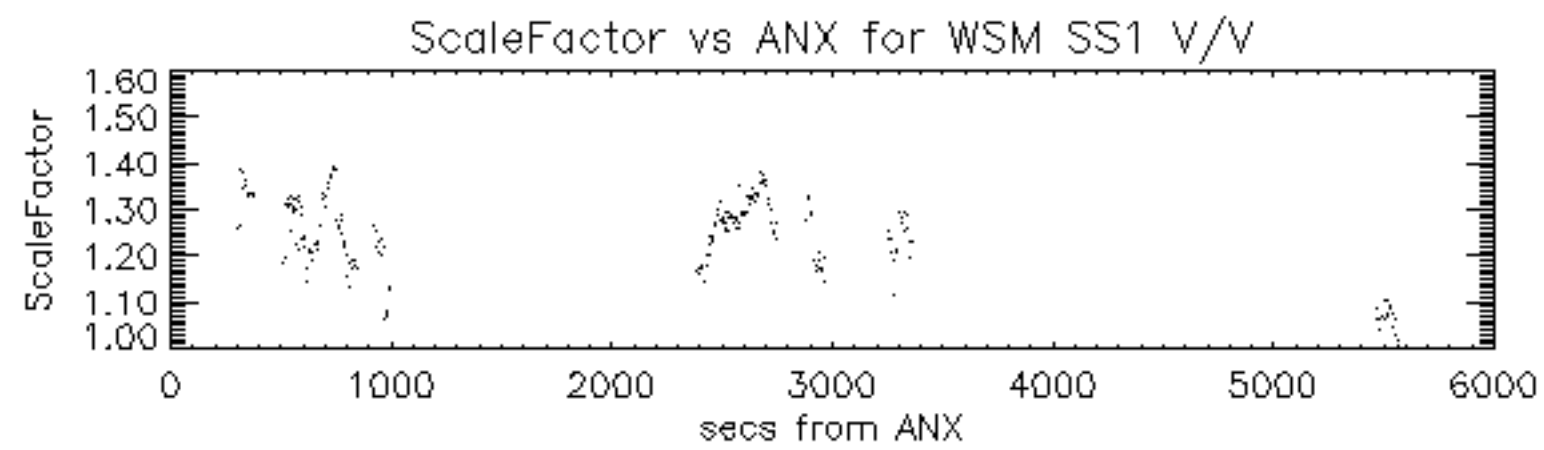


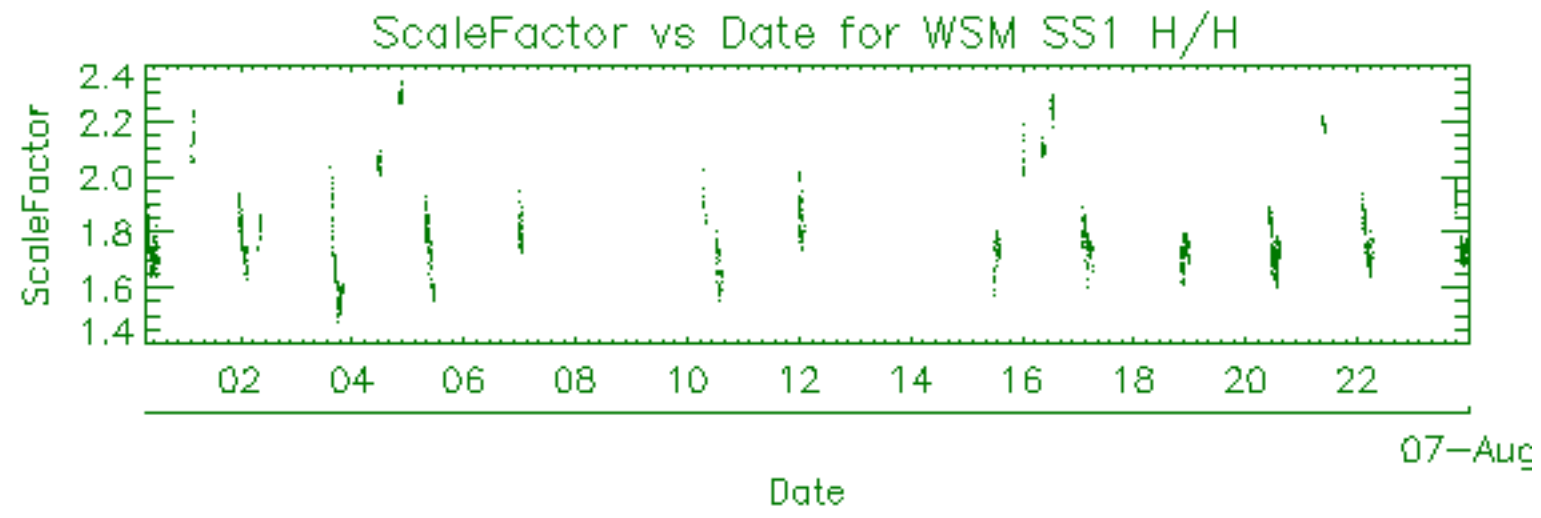




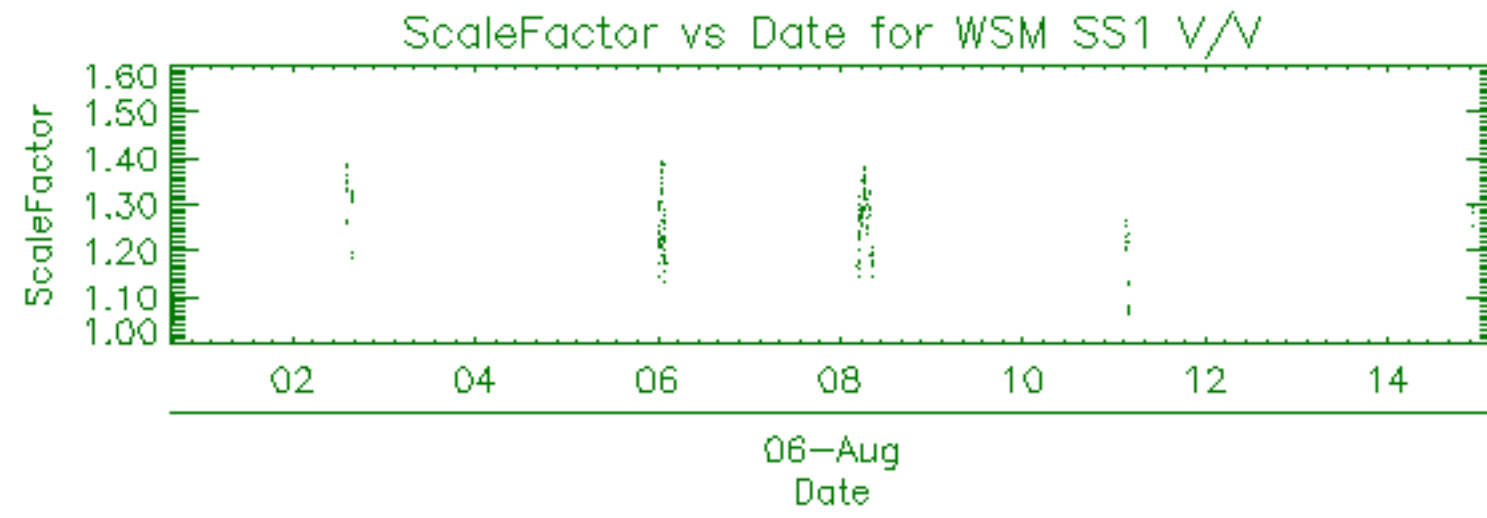












| Filename                                                       | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |    |       |    |      |
|----------------------------------------------------------------|------|-----|-------------|----------|----------|-------------|-----|----|-------|----|------|
| ASA_APM_1PNPDE20080806_081733_000001082071_00021_33642_8869.N1 |      |     |             |          |          | IS3         | H/V | 71 | 33642 | 21 | 4.07 |
| ASA_APM_1PNPDE20080806_095717_000000952071_00022_33643_8893.N1 |      |     |             |          |          | IS4         | H/V | 71 | 33643 | 22 | 4.07 |
| ASA_APM_1PNPDE20080806_132944_000000872071_00024_33645_9040.N1 |      |     |             |          |          | IS2         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_APM_1PNPDE20080806_192730_000000412071_00028_33649_9126.N1 |      |     |             |          |          | IS7         | V/H | 71 | 33649 | 28 | 4.07 |

| Filename                                                       | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |    |       |    |      |
|----------------------------------------------------------------|------|-----|-------------|----------|----------|-------------|-----|----|-------|----|------|
| ASA_GM1_1PNPDE20080806_000200_000004162071_00016_33637_8043.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_GM1_1PNPDE20080806_001428_000002052071_00016_33637_8048.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_GM1_1PNPDE20080806_003207_000000782071_00016_33637_8053.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_GM1_1PNPDE20080806_004547_000001442071_00016_33637_8190.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_GM1_1PNPDE20080806_010517_000000782071_00017_33638_8188.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_011029_000011662071_00017_33638_8291.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_014512_000001872071_00017_33638_8209.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_015504_000001442071_00017_33638_8203.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_020743_000003802071_00017_33638_8217.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_021258_000000662071_00017_33638_8350.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_022211_000006162071_00017_33638_8352.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_GM1_1PNPDE20080806_024143_000005312071_00018_33639_8354.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_GM1_1PNPDE20080806_025121_000010942071_00018_33639_8443.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_GM1_1PNPDE20080806_031237_000002292071_00018_33639_8371.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_GM1_1PNPDE20080806_035019_000003022071_00018_33639_8493.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_GM1_1PNPDE20080806_035607_000001142071_00018_33639_8488.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_GM1_1PNPDE20080806_041842_000005612071_00019_33640_8507.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_043031_000012332071_00019_33640_8587.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_045323_000002412071_00019_33640_8518.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_051616_000000842071_00019_33640_8692.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_052755_000001022071_00019_33640_8690.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_053027_000002892071_00019_33640_8709.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_GM1_1PNPDE20080806_060521_000007432071_00020_33641_8717.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_GM1_1PNPDE20080806_062216_000011302071_00020_33641_8811.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_GM1_1PNPDK20080806_065652_000000842071_00020_33641_7114.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_GM1_1PNPDK20080806_070309_000002232071_00020_33641_7119.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_GM1_1PNPDK20080806_074829_000007312071_00021_33642_7127.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33642 | 21 | 4.07 |
| ASA_GM1_1PNPDK20080806_075955_000004772071_00021_33642_7201.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33642 | 21 | 4.07 |
| ASA_GM1_1PNPDK20080806_082116_000005132071_00021_33642_7205.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33642 | 21 | 4.07 |
| ASA_GM1_1PNPDK20080806_083728_000000842071_00021_33642_7203.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33642 | 21 | 4.07 |
| ASA_GM1_1PNPDK20080806_084310_000007972071_00021_33642_7215.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33642 | 21 | 4.07 |
| ASA_GM1_1PNPDK20080806_092939_000005492071_00022_33643_7218.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_GM1_1PNPDK20080806_093840_000002172071_00022_33643_7283.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_GM1_1PNPDK20080806_094327_000000842071_00022_33643_7341.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_GM1_1PNPDK20080806_095913_000001262071_00022_33643_7343.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_GM1_1PNPDK20080806_101921_000006462071_00022_33643_7348.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_GM1_1PNPDK20080806_110932_000007372071_00023_33644_7409.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_GM1_1PNPDK20080806_112107_000002352071_00023_33644_7451.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_GM1_1PNPDK20080806_121419_000001992071_00023_33644_7459.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_GM1_1PNPDK20080806_122356_000002172071_00023_33644_7464.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_GM1_1PNPDK20080806_124534_000009182071_00024_33645_7537.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_130005_000002652071_00024_33645_7590.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_132211_000004532071_00024_33645_7594.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_133132_000000902071_00024_33645_7592.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_133308_000015102071_00024_33645_7691.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_140434_000002952071_00024_33645_7603.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_GM1_1PNPDK20080806_142114_000009302071_00025_33646_7608.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_143808_000000662071_00025_33646_7615.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_143829_000000662071_00025_33646_7716.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_144641_000003322071_00025_33646_7718.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_150131_000002952071_00025_33646_7723.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_151951_000006042071_00025_33646_7728.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_153543_000001872071_00025_33646_7730.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_GM1_1PNPDK20080806_160227_000007312071_00026_33647_7795.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_GM1_1PNPDK20080806_162340_000004282071_00026_33647_7835.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_GM1_1PNPDK20080806_163341_000001692071_00026_33647_7837.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_GM1_1PNPDK20080806_170027_000000842071_00026_33647_7839.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_GM1_1PNPDK20080806_171507_000002592071_00026_33647_7844.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_GM1_1PNPDK20080806_174158_000005922071_00027_33648_7854.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_175041_000000722071_00027_33648_7960.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_180156_000001082071_00027_33648_7958.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_180434_000004222071_00027_33648_7962.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_184103_000005672071_00027_33648_7964.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_185843_000000722071_00027_33648_7969.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_GM1_1PNPDK20080806_191541_000001382071_00028_33649_7974.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33649 | 28 | 4.07 |
| ASA_GM1_1PNPDK20080806_192006_000004412071_00028_33649_7972.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33649 | 28 | 4.07 |
| ASA_GM1_1PNPDK20080806_192833_000001992071_00028_33649_7981.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33649 | 28 | 4.07 |

|                                                                |     |     |    |       |    |      |
|----------------------------------------------------------------|-----|-----|----|-------|----|------|
| ASA_GM1_1PNPDK20080806_193041_000001082071_00028_33649_8086.N1 | SS1 | H/H | 71 | 33649 | 28 | 4.07 |
| ASA_GM1_1PNPDK20080806_194123_000004892071_00028_33649_8088.N1 | SS1 | H/H | 71 | 33649 | 28 | 4.07 |
| ASA_GM1_1PNPDK20080806_202139_000002052071_00028_33649_8090.N1 | SS1 | H/H | 71 | 33649 | 28 | 4.07 |
| ASA_GM1_1PNPDK20080806_203740_000001812071_00028_33649_8092.N1 | SS1 | H/H | 71 | 33649 | 28 | 4.07 |
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| ASA_GM1_1PNPDE20080806_211446_000004952071_00029_33650_9162.N1 | SS1 | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_GM1_1PNPDE20080806_212442_000003202071_00029_33650_9166.N1 | SS1 | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_GM1_1PNPDE20080806_220215_000001812071_00029_33650_9164.N1 | SS1 | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_GM1_1PNPDE20080806_221554_000003202071_00029_33650_9177.N1 | SS1 | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_GM1_1PNPDE20080806_223757_000004282071_00030_33651_9307.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_GM1_1PNPDE20080806_230044_000005792071_00030_33651_9338.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_GM1_1PNPDE20080806_233304_000002172071_00030_33651_9336.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_GM1_1PNPDE20080806_233644_000001022071_00030_33651_9340.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_GM1_1PNPDE20080806_234251_000000842071_00030_33651_9347.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_GM1_1PNPDE20080806_234709_000001872071_00030_33651_9345.N1 | SS1 | H/H | 71 | 33651 | 30 | 4.07 |



| Filename                                                       | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |    |       |    |      |
|----------------------------------------------------------------|------|-----|-------------|----------|----------|-------------|-----|----|-------|----|------|
| ASA_IMM_1PNPDE20080806_010631_000000512071_00017_33638_8178.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33638 | 17 | 4.07 |
| ASA_IMM_1PNPDE20080806_024055_000000372071_00018_33639_8316.N1 |      |     |             |          |          | IS7         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_IMM_1PNPDE20080806_025031_000000392071_00018_33639_8318.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_IMM_1PNPDE20080806_030930_000001762071_00018_33639_8441.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_IMM_1PNPDE20080806_035519_000000372071_00018_33639_8464.N1 |      |     |             |          |          | IS2         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_IMM_1PNPDE20080806_052939_000000382071_00019_33640_8678.N1 |      |     |             |          |          | IS4         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_IMM_1PNPDK20080806_074649_000000892071_00021_33642_7166.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33642 | 21 | 4.07 |
| ASA_IMM_1PNPDK20080806_094223_000000532071_00022_33643_7302.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33643 | 22 | 4.07 |
| ASA_IMM_1PNPDK20080806_094838_000000832071_00022_33643_7318.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33643 | 22 | 4.07 |
| ASA_IMM_1PNPDE20080806_094921_000000392071_00022_33643_8879.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33643 | 22 | 4.07 |
| ASA_IMM_1PNPDE20080806_114642_000001102071_00023_33644_8927.N1 |      |     |             |          |          | IS2         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_IMM_1PNPDK20080806_123940_000000372071_00024_33645_7555.N1 |      |     |             |          |          | IS5         | H/H | 71 | 33645 | 24 | 4.07 |
| ASA_IMM_1PNPDE20080806_141841_000001422071_00025_33646_9034.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_IMM_1PNPDK20080806_143650_000000672071_00025_33646_7693.N1 |      |     |             |          |          | IS2         | H/H | 71 | 33646 | 25 | 4.07 |
| ASA_IMM_1PNPDE20080806_144523_000000682071_00025_33646_9016.N1 |      |     |             |          |          | IS1         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_IMM_1PNPDE20080806_145211_000000392071_00025_33646_9002.N1 |      |     |             |          |          | IS3         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_IMM_1PNPDE20080806_180344_000000392071_00027_33648_9094.N1 |      |     |             |          |          | IS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_IMM_1PNPDE20080806_181138_000002642071_00027_33648_9106.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33648 | 27 | 4.07 |
| ASA_IMM_1PNPDE20080806_191757_000001182071_00028_33649_9132.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33649 | 28 | 4.07 |
| ASA_IMM_1PNPDK20080806_210824_000000852071_00029_33650_8180.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_IMM_1PNPDE20080806_210836_000000422071_00029_33650_9251.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_IMM_1PNPDE20080806_213047_000000692071_00029_33650_9273.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_IMM_1PNPDE20080806_215558_000000672071_00029_33650_9275.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_IMM_1PNPDK20080806_225545_000002882071_00030_33651_8229.N1 |      |     |             |          |          | IS2         | H/H | 71 | 33651 | 30 | 4.07 |

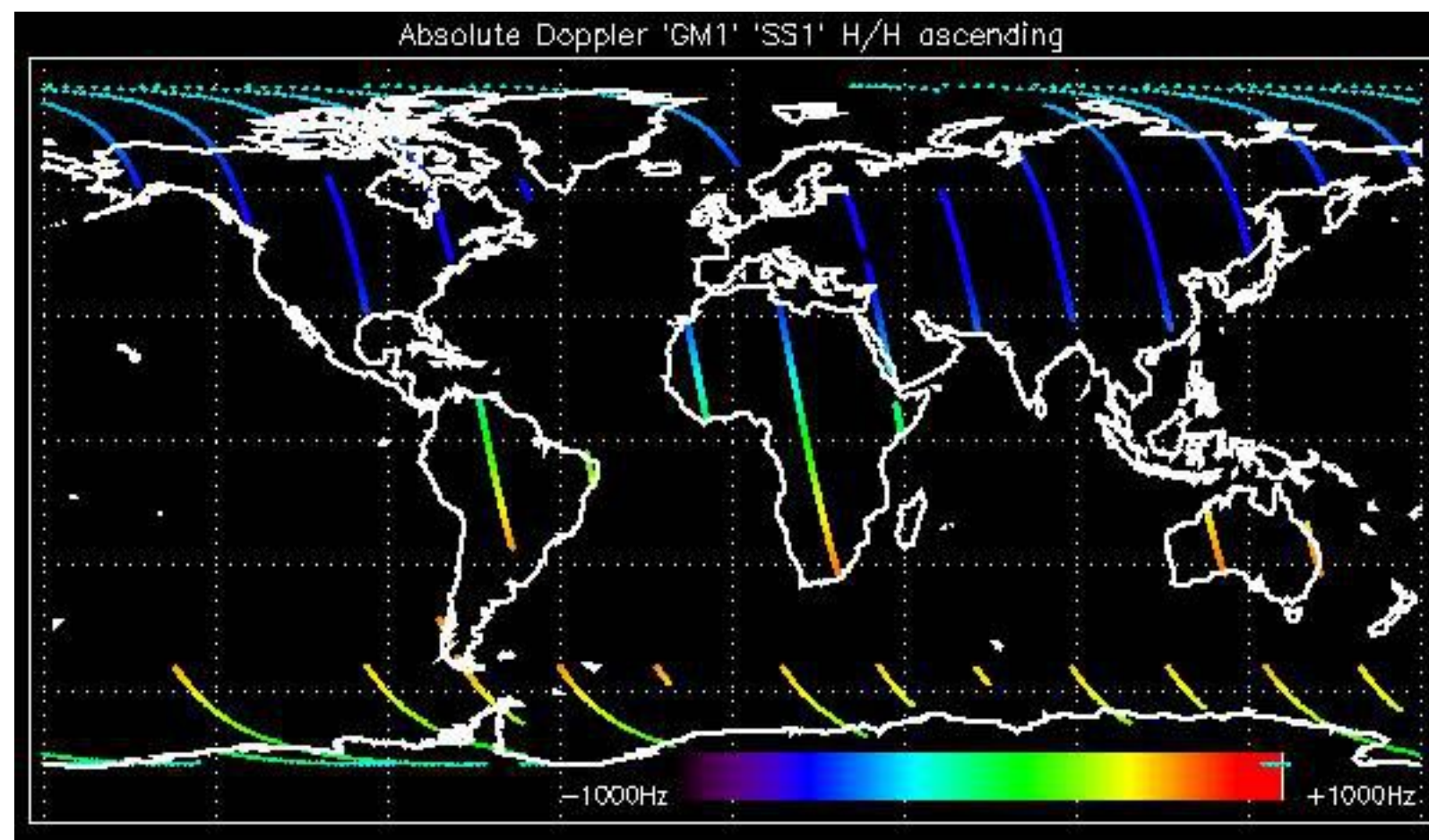
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|----------------------------------------------------------------|-----|---------------------|---------------|
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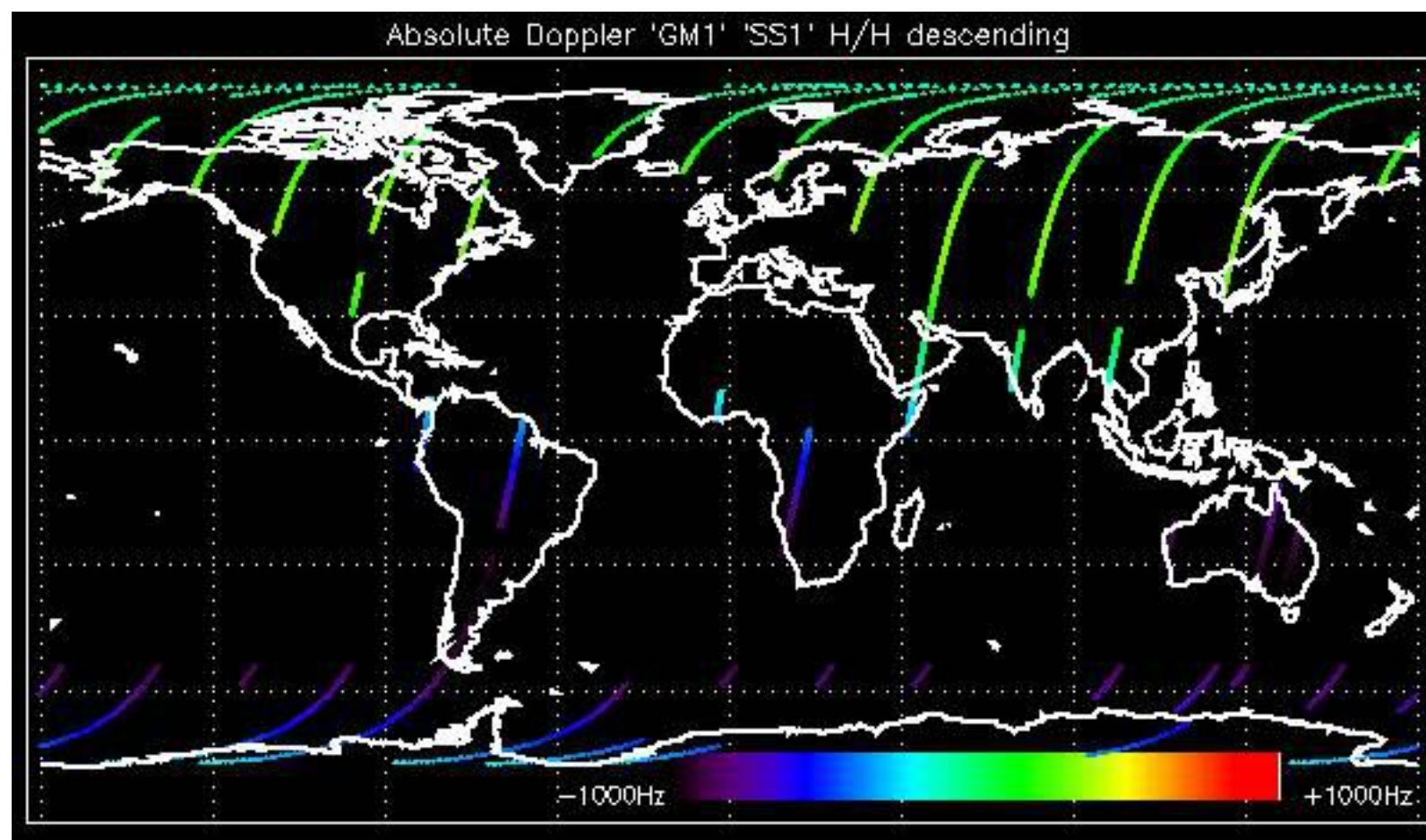


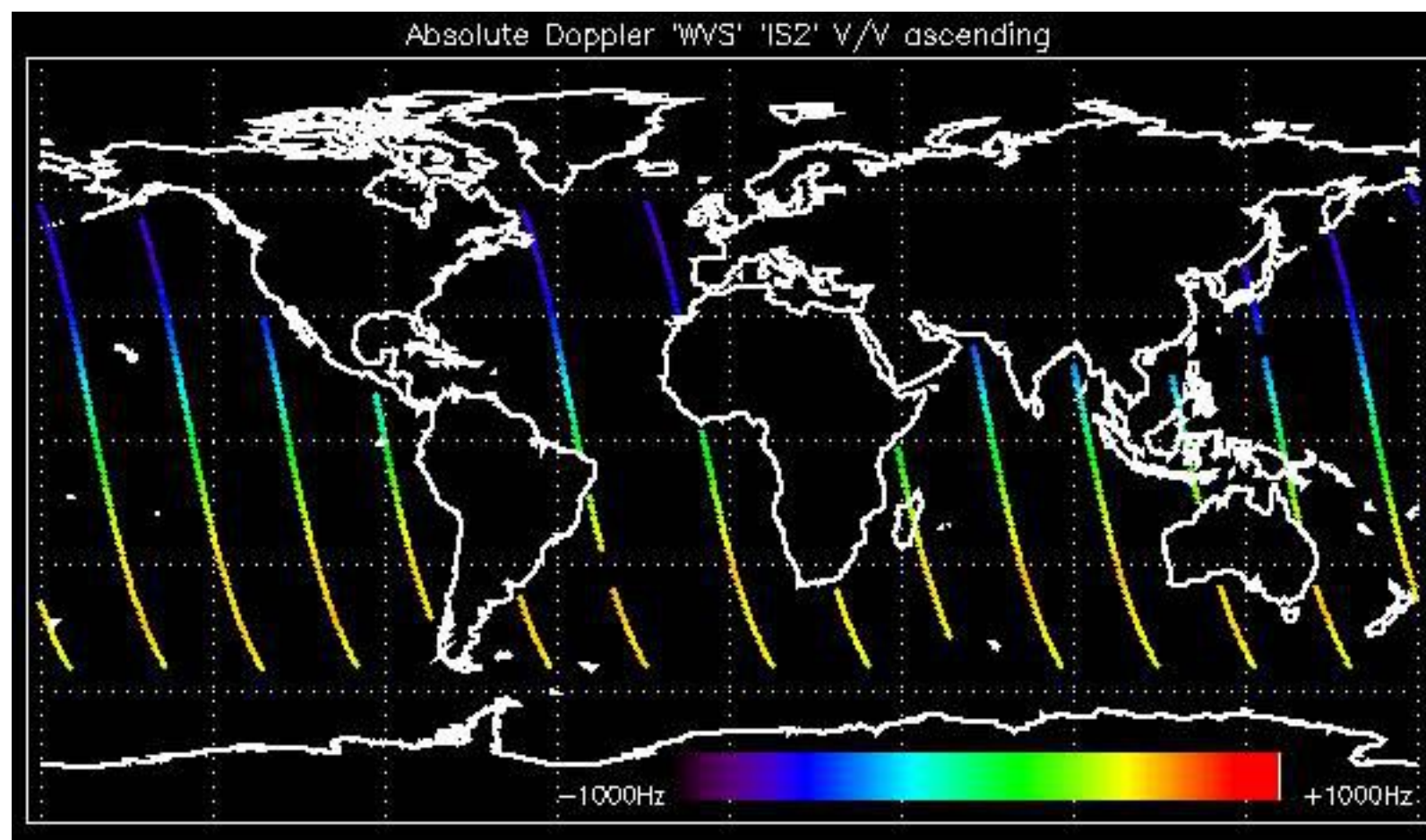
| Filename                                                       | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |    |       |    |      |
|----------------------------------------------------------------|------|-----|-------------|----------|----------|-------------|-----|----|-------|----|------|
| ASA_WSM_1PNPDE20080806_001756_000006062071_00016_33637_8195.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_WSM_1PNPDE20080806_002833_000002082071_00016_33637_8176.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33637 | 16 | 4.07 |
| ASA_WSM_1PNPDE20080806_003925_000001292071_00016_33637_8180.N1 |      |     |             |          |          | SS1         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WSM_1PNPDE20080806_004039_00000552071_00016_33637_8143.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WSM_1PNPDE20080806_010750_000001532071_00017_33638_8299.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_WSM_1PNPDE20080806_015732_000006062071_00017_33638_8436.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_WSM_1PNPDE20080806_021928_000001582071_00017_33638_8314.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33638 | 17 | 4.07 |
| ASA_WSM_1PNPDE20080806_023439_00000982071_00018_33639_8434.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WSM_1PNPDE20080806_023809_00000982071_00018_33639_8439.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WSM_1PNPDE20080806_033708_000003912071_00018_33639_8466.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_WSM_1PNPDE20080806_034445_000003302071_00018_33639_8809.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_WSM_1PNPDE20080806_034559_000002552071_00018_33639_8593.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33639 | 18 | 4.07 |
| ASA_WSM_1PNPDE20080806_042807_000001352071_00019_33640_8589.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_WSM_1PNPDE20080806_045108_000001292071_00019_33640_8591.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_WSM_1PNPDE20080806_051744_000002692071_00019_33640_8669.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_WSM_1PNPDE20080806_052244_000003062071_00019_33640_8807.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33640 | 19 | 4.07 |
| ASA_WSM_1PNPDE20080806_055946_000003302071_00020_33641_8823.N1 |      |     |             |          |          | SS1         | V/V | 71 | 33641 | 20 | 4.07 |
| ASA_WSM_1PNPDE20080806_065820_000002872071_00020_33641_8861.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_WSM_1PNPDE20080806_065934_000002132071_00020_33641_8834.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33641 | 20 | 4.07 |
| ASA_WSM_1PNPDE20080806_081112_000003732071_00021_33642_8873.N1 |      |     |             |          |          | SS1         | V/V | 71 | 33642 | 21 | 4.07 |
| ASA_WSM_1PNPDE20080806_081929_000001032071_00021_33642_8871.N1 |      |     |             |          |          | SS1         | V/V | 71 | 33642 | 21 | 4.07 |
| ASA_WSM_1PNPDE20080806_101743_000000912071_00022_33643_8898.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_WSM_1PNPDE20080806_103009_000004092071_00022_33643_8929.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_WSM_1PNPDE20080806_103009_000004092071_00022_33643_8996.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33643 | 22 | 4.07 |
| ASA_WSM_1PNPDE20080806_110758_00000922071_00023_33644_8918.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WSM_1PNPDE20080806_110758_00000922071_00023_33644_8994.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WSM_1PNPDE20080806_110912_00000182071_00023_33644_8974.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WSM_1PNPDE20080806_115912_000003602071_00023_33644_8965.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33644 | 23 | 4.07 |
| ASA_WSM_1PNPDE20080806_145548_00000362071_00025_33646_9008.N1  |      |     |             |          |          | SS1         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_WSM_1PNPDE20080806_150800_000001282071_00025_33646_9044.N1 |      |     |             |          |          | SS1         | V/V | 71 | 33646 | 25 | 4.07 |
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| ASA_WSM_1PNPDE20080806_162049_000001652071_00026_33647_9090.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_WSM_1PNPDE20080806_163055_000001592071_00026_33647_9088.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
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| ASA_WSM_1PNPDE20080806_171037_000002502071_00026_33647_9074.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33647 | 26 | 4.07 |
| ASA_WSM_1PNPDE20080806_185036_000004822071_00027_33648_9124.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33648 | 27 | 4.07 |
| ASA_WSM_1PNPDE20080806_202508_000003672071_00028_33649_9160.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33649 | 28 | 4.07 |
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| ASA_WSM_1PNPDE20080806_212308_00000912071_00029_33650_9292.N1  |      |     |             |          |          | SS1         | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_WSM_1PNPDE20080806_220520_000002512071_00029_33650_9294.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_WSM_1PNPDE20080806_221019_000003302071_00029_33650_9296.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33650 | 29 | 4.07 |
| ASA_WSM_1PNPDE20080806_234419_000001652071_00030_33651_9436.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33651 | 30 | 4.07 |
| ASA_WSM_1PNPDE20080806_235019_000006062071_00030_33651_9587.N1 |      |     |             |          |          | SS1         | H/H | 71 | 33651 | 30 | 4.07 |

| Filename                                                       | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |    |       |    |      |
|----------------------------------------------------------------|------|-----|-------------|----------|----------|-------------|-----|----|-------|----|------|
| ASA_WVS_1PNPDE20080805_234439_000009892071_00016_33637_8046.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_000858_000002852071_00016_33637_8051.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_003331_000002702071_00016_33637_8056.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_003731_00000752071_00016_33637_8183.N1  |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_004135_000002092071_00016_33637_8186.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_004814_000009742071_00016_33637_8193.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33637 | 16 | 4.07 |
| ASA_WVS_1PNPDE20080806_012955_000008682071_00017_33638_8212.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33638 | 17 | 4.07 |
| ASA_WVS_1PNPDE20080806_014822_000003602071_00017_33638_8215.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33638 | 17 | 4.07 |
| ASA_WVS_1PNPDE20080806_021407_000002852071_00017_33638_8361.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33638 | 17 | 4.07 |
| ASA_WVS_1PNPDE20080806_031627_000008242071_00018_33639_8364.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WVS_1PNPDE20080806_032956_000002252071_00018_33639_8491.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WVS_1PNPDE20080806_031627_000008242071_00018_33639_8364.N1 |      |     |             |          |          | IS1         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WVS_1PNPDE20080806_035801_000009142071_00018_33639_8521.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33639 | 18 | 4.07 |
| ASA_WVS_1PNPDE20080806_045728_000008392071_00019_33640_8524.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33640 | 19 | 4.07 |
| ASA_WVS_1PNPDE20080806_051113_000002552071_00019_33640_8695.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33640 | 19 | 4.07 |
| ASA_WVS_1PNPDE20080806_053519_000014242071_00019_33640_8745.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33640 | 19 | 4.07 |
| ASA_WVS_1PNPDE20080806_064105_000006292071_00020_33641_8720.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33641 | 20 | 4.07 |
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| ASA_WVS_1PNPDK20080806_082951_000004202071_00021_33642_7208.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33642 | 21 | 4.07 |
| ASA_WVS_1PNPDK20080806_085631_000019492071_00021_33642_7281.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33642 | 21 | 4.07 |
| ASA_WVS_1PNPDK20080806_100120_000008842071_00022_33643_7346.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33643 | 22 | 4.07 |
| ASA_WVS_1PNPDK20080806_103658_000017692071_00022_33643_7407.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33643 | 22 | 4.07 |
| ASA_WVS_1PNPDK20080806_112503_000012442071_00023_33644_7449.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WVS_1PNPDK20080806_114839_000004942071_00023_33644_7454.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WVS_1PNPDK20080806_121742_000003302071_00023_33644_7457.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WVS_1PNPDK20080806_122738_000006592071_00023_33644_7462.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33644 | 23 | 4.07 |
| ASA_WVS_1PNPDK20080806_124023_000002692071_00024_33645_7547.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33645 | 24 | 4.07 |
| ASA_WVS_1PNPDK20080806_130647_000008842071_00024_33645_7597.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33645 | 24 | 4.07 |
| ASA_WVS_1PNPDK20080806_135818_000003302071_00024_33645_7606.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33645 | 24 | 4.07 |
| ASA_WVS_1PNPDK20080806_140933_000005092071_00024_33645_7618.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33645 | 24 | 4.07 |
| ASA_WVS_1PNPDK20080806_150628_00000442071_00025_33646_7721.N1  |      |     |             |          |          | IS2         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_WVS_1PNPDK20080806_151009_000005402071_00025_33646_7726.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33646 | 25 | 4.07 |
| ASA_WVS_1PNPDK20080806_153854_000012292071_00025_33646_7787.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33646 | 25 | 4.07 |
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| ASA_WVS_1PNPDK20080806_181608_000014542071_00027_33648_7967.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33648 | 27 | 4.07 |
| ASA_WVS_1PNPDK20080806_190209_000007642071_00027_33648_7984.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33648 | 27 | 4.07 |
| ASA_WVS_1PNPDK20080806_194935_000018742071_00028_33649_8095.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33649 | 28 | 4.07 |
| ASA_WVS_1PNPDK20080806_204042_000003152071_00028_33649_8102.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33649 | 28 | 4.07 |
| ASA_WVS_1PNPDE20080806_213203_000013942071_00029_33650_9169.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_WVS_1PNPDE20080806_215711_000002552071_00029_33650_9172.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_WVS_1PNPDE20080806_222118_000002102071_00029_33650_9175.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_WVS_1PNPDE20080806_222403_000007942071_00029_33650_9305.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33650 | 29 | 4.07 |
| ASA_WVS_1PNPDE20080806_224510_000004642071_00030_33651_9310.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33651 | 30 | 4.07 |
| ASA_WVS_1PNPDE20080806_231027_000013192071_00030_33651_9350.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33651 | 30 | 4.07 |
| ASA_WVS_1PNPDE20080806_233830_000002102071_00030_33651_9343.N1 |      |     |             |          |          | IS2         | V/V | 71 | 33651 | 30 | 4.07 |

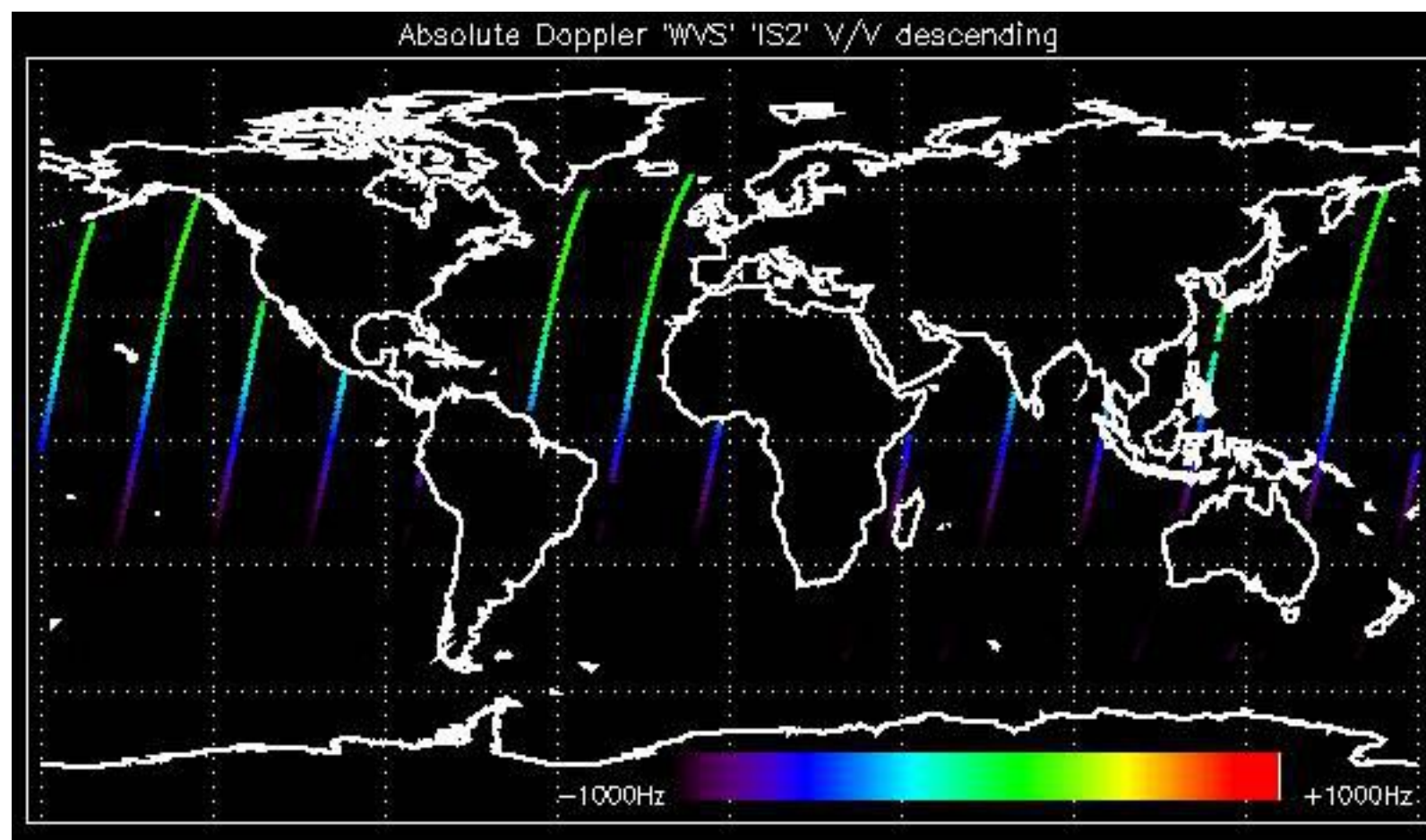




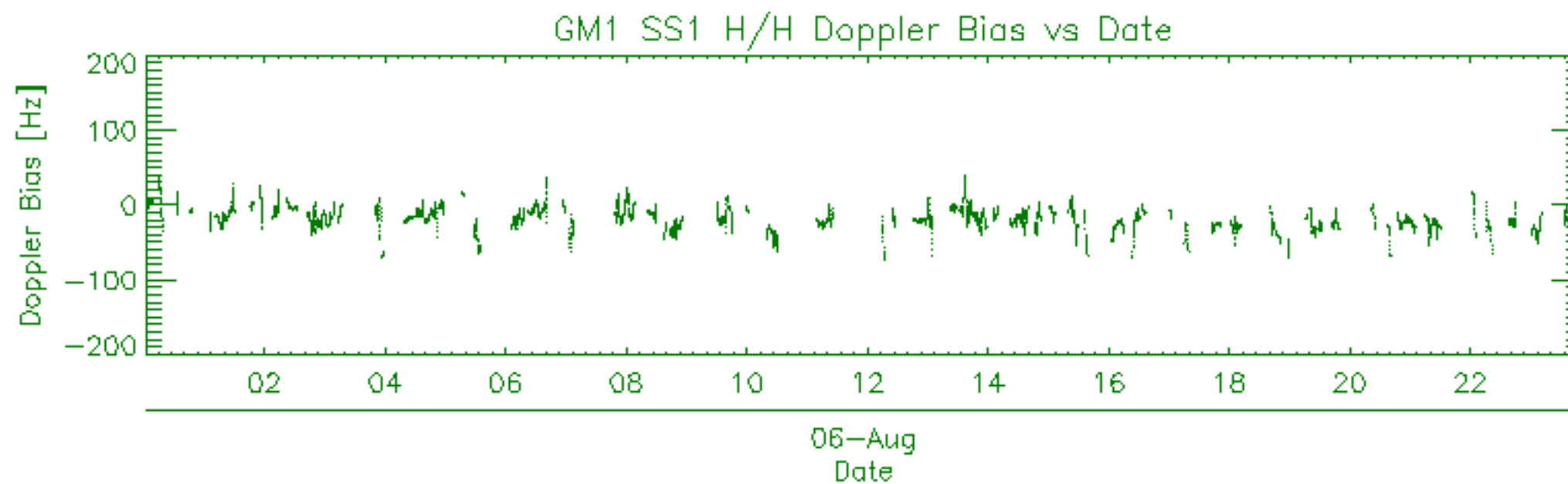
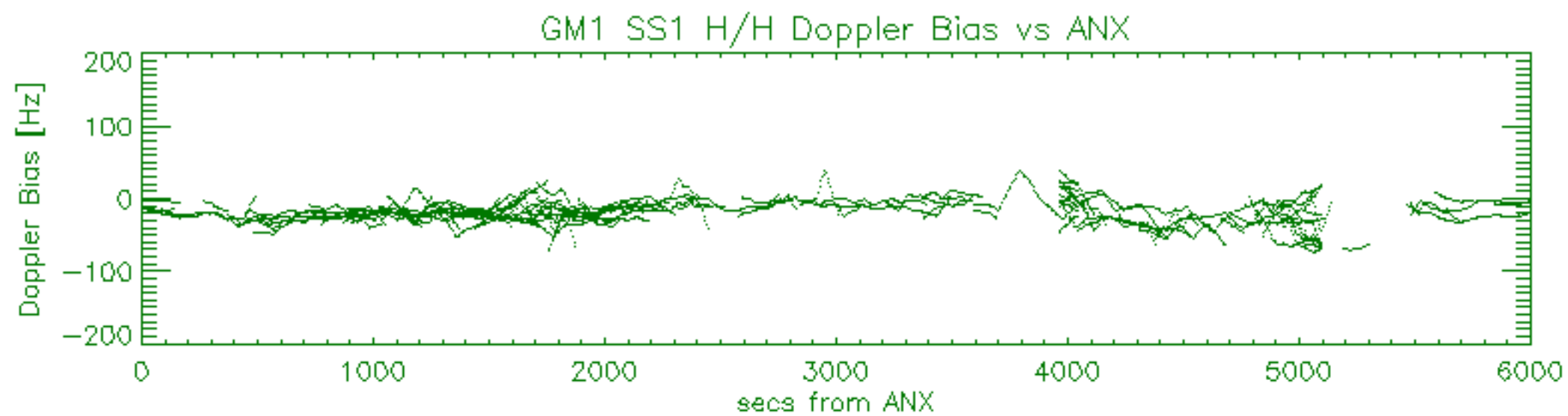
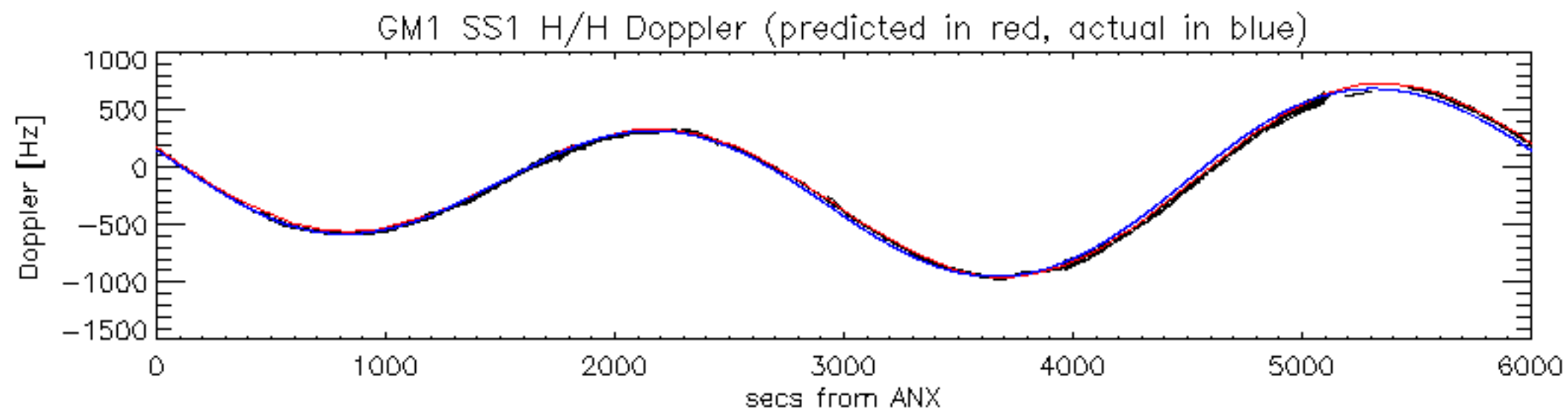


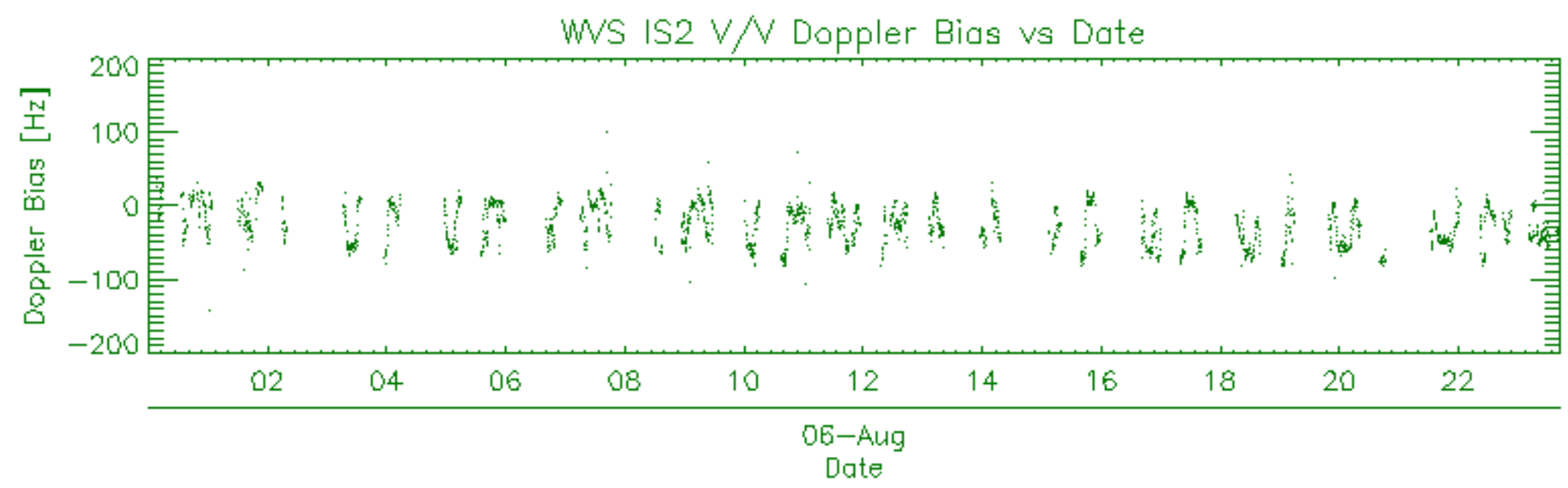
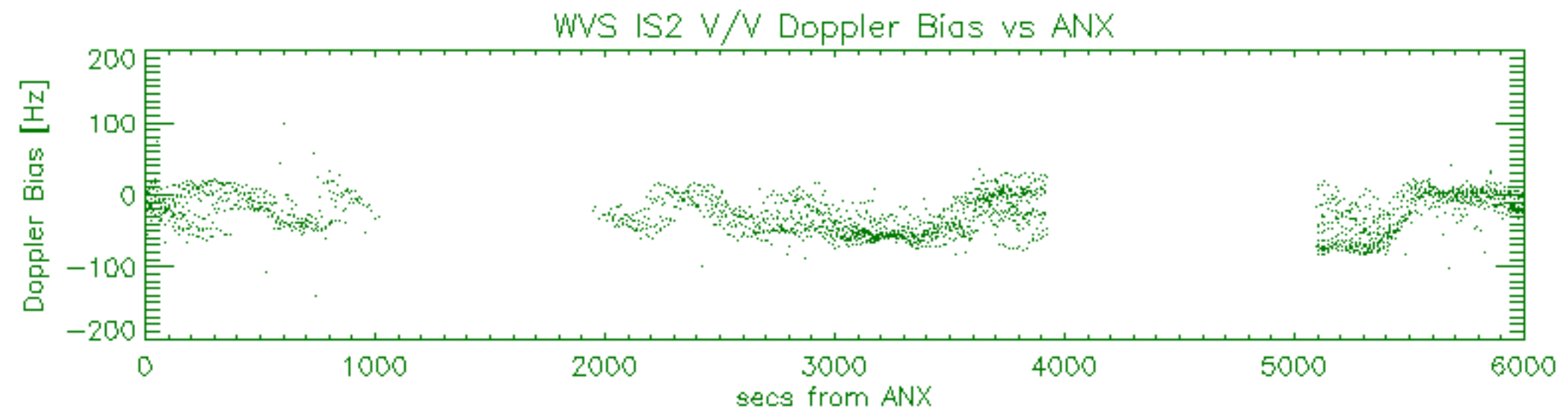
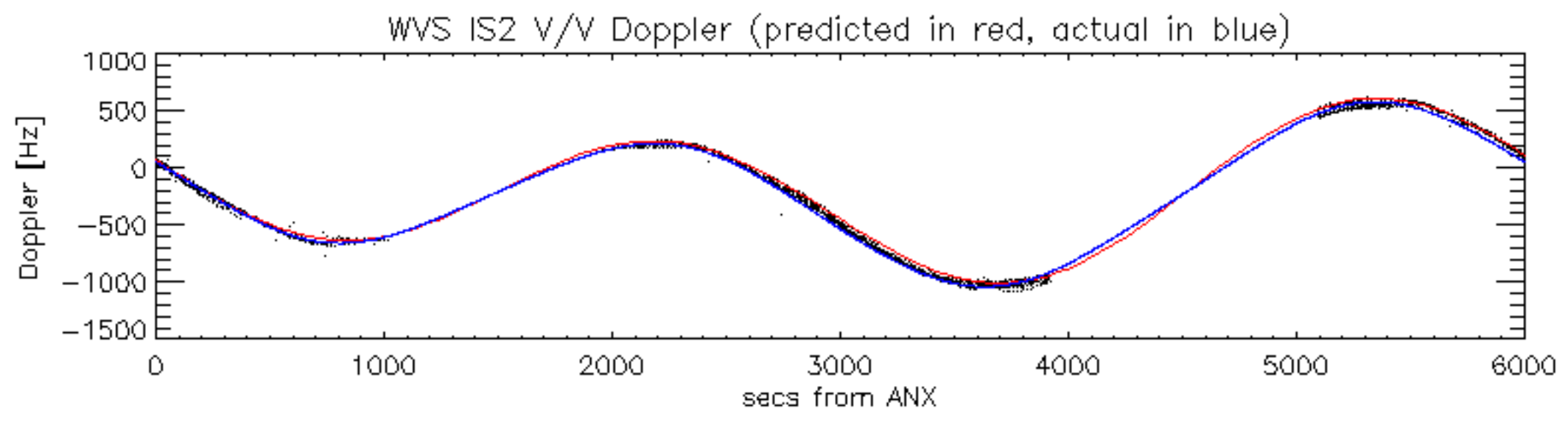


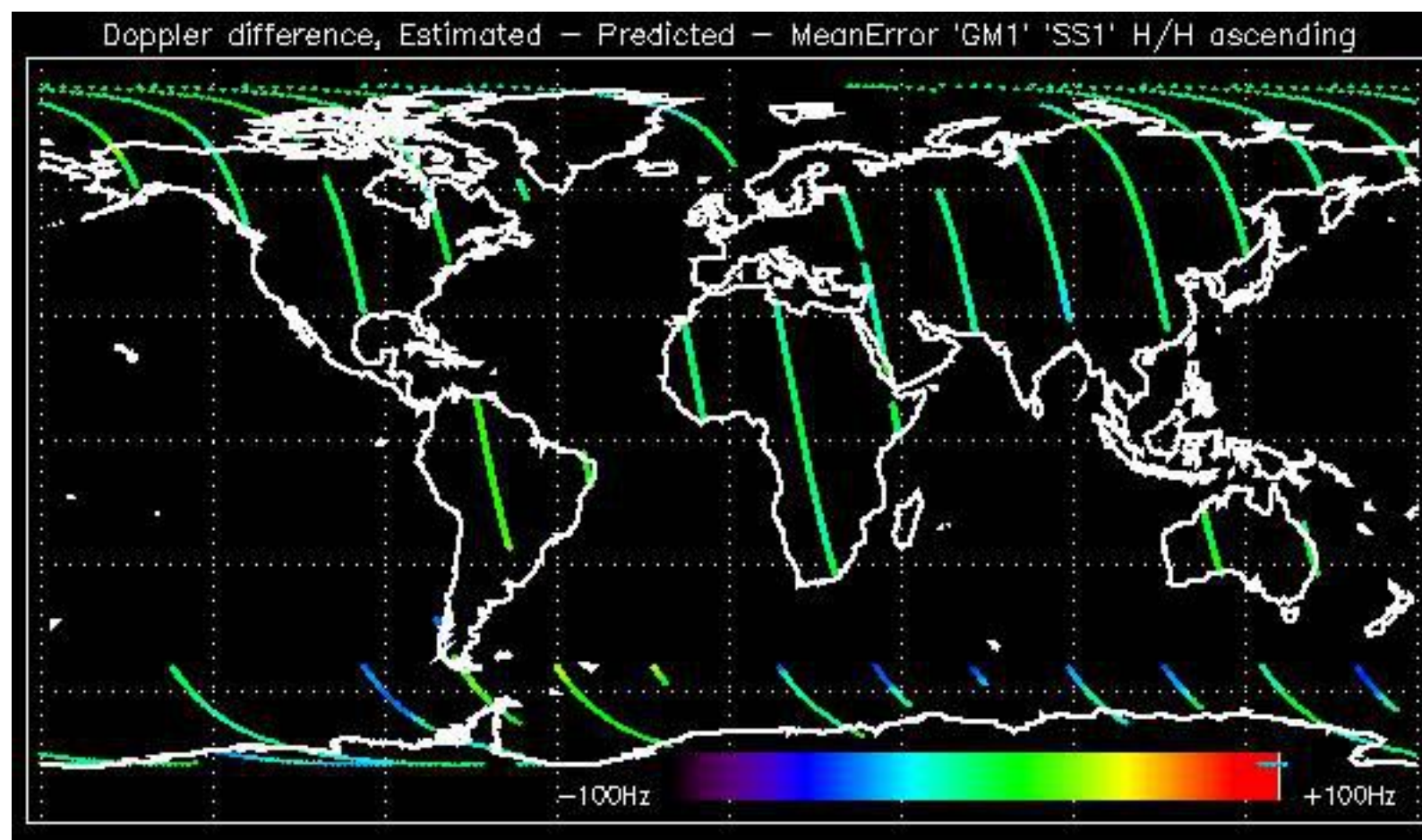


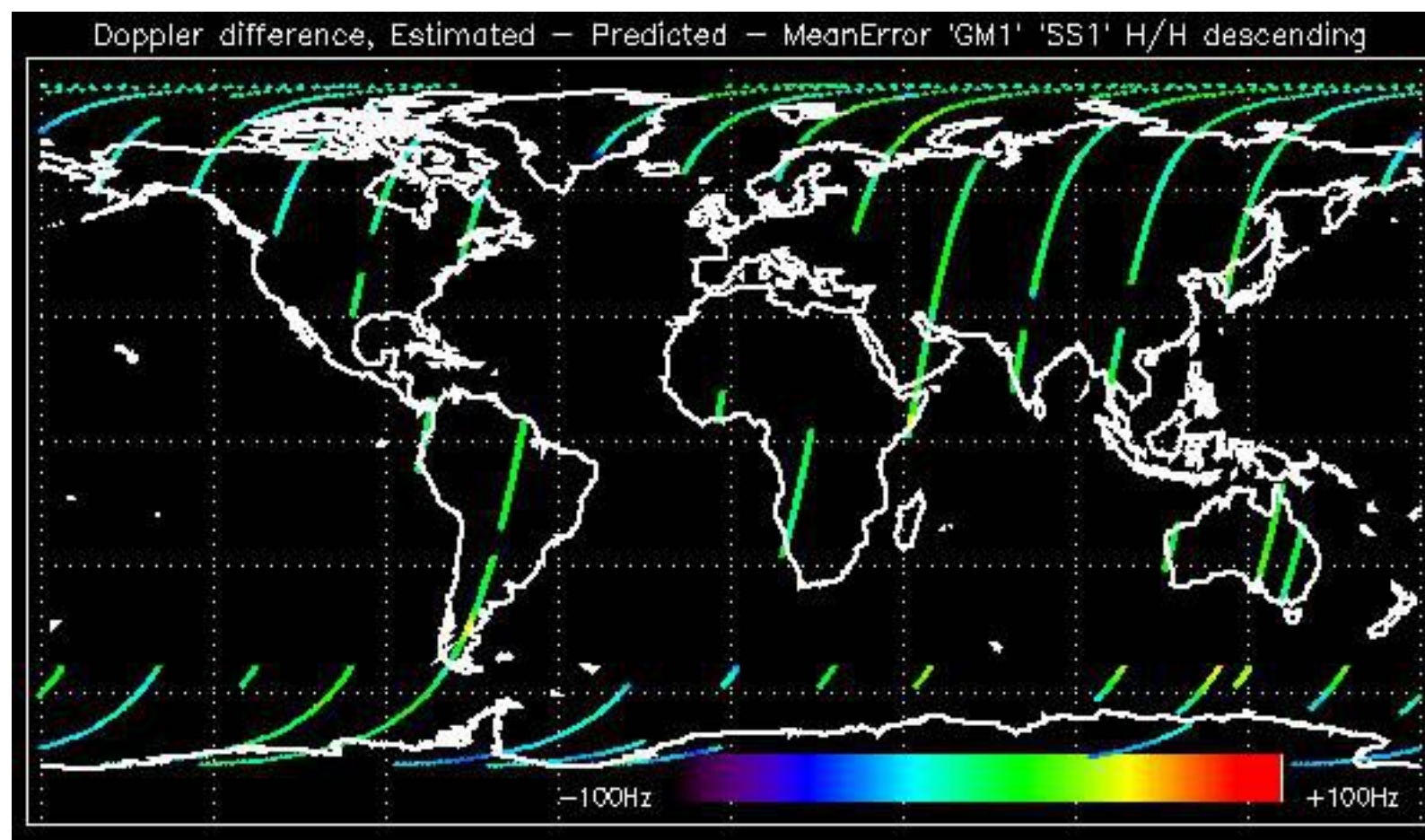




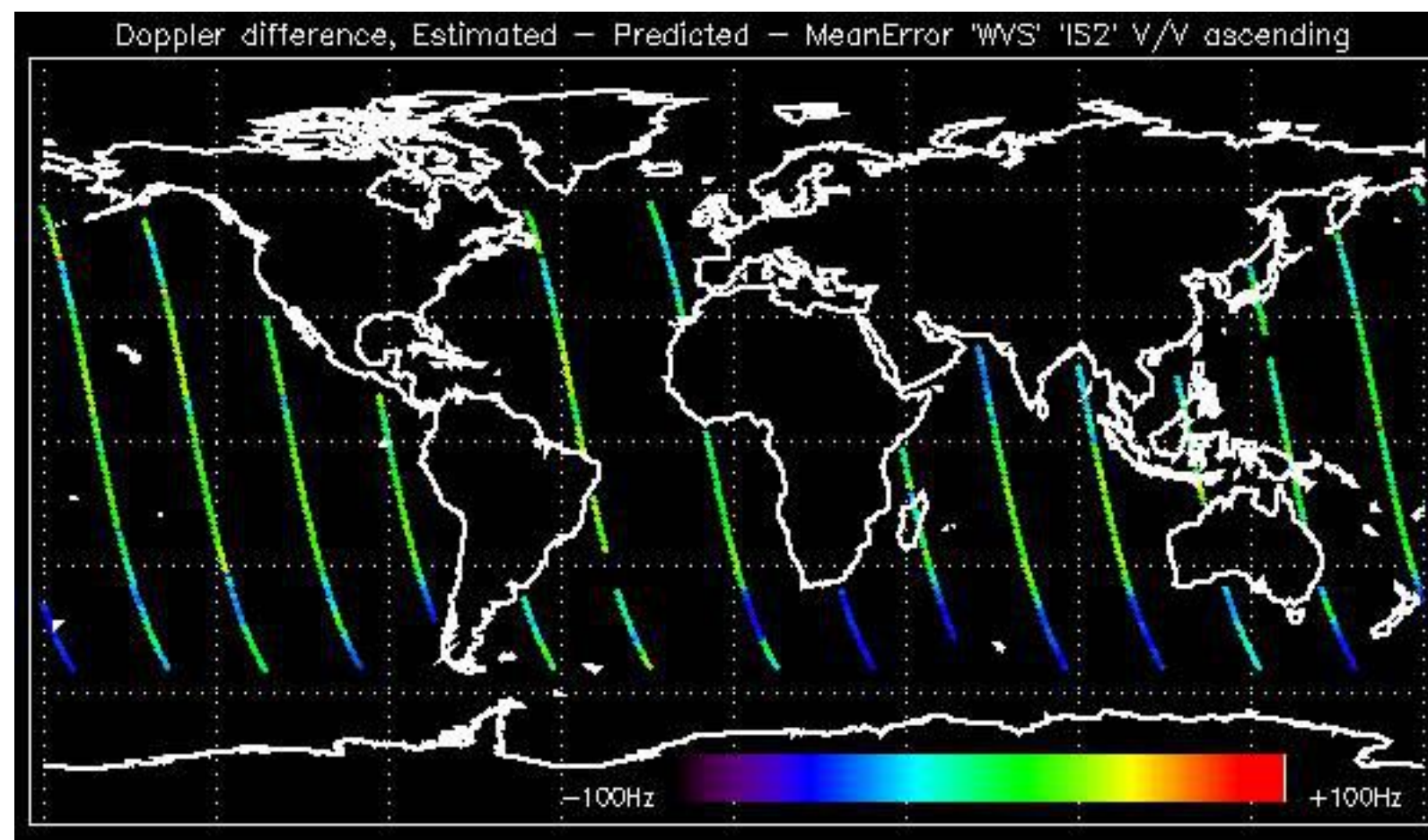


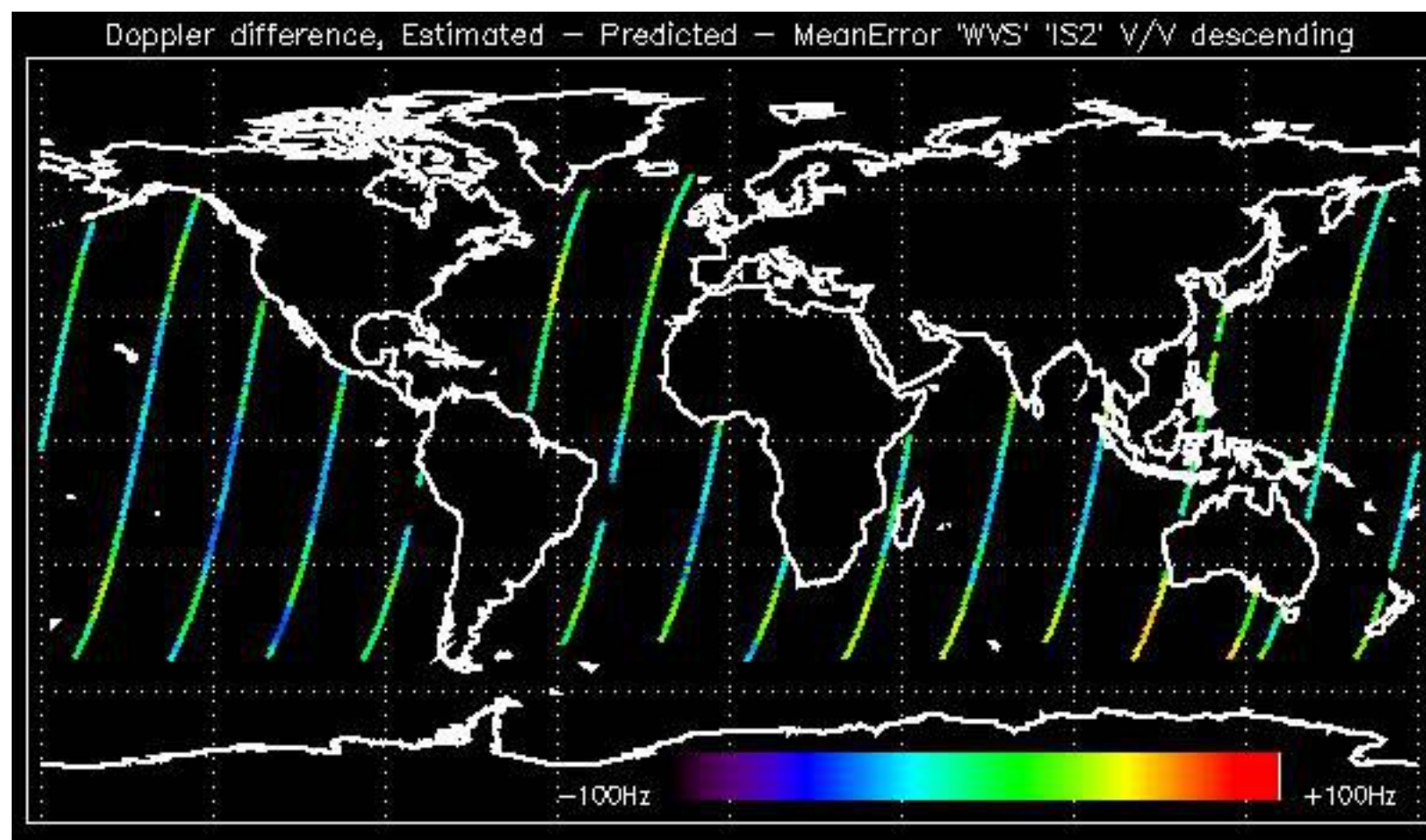


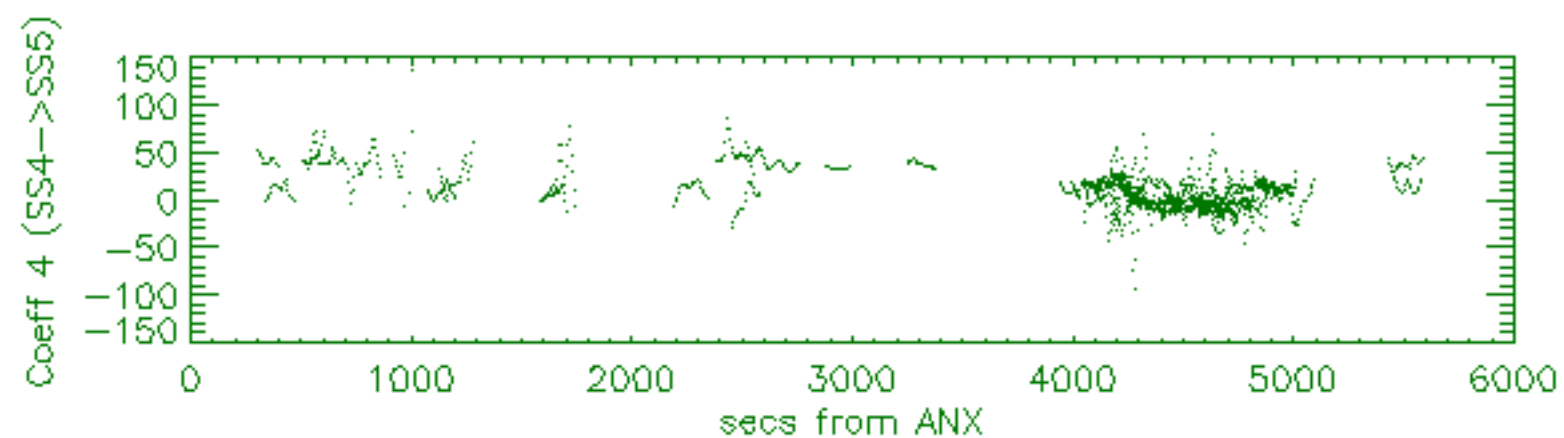
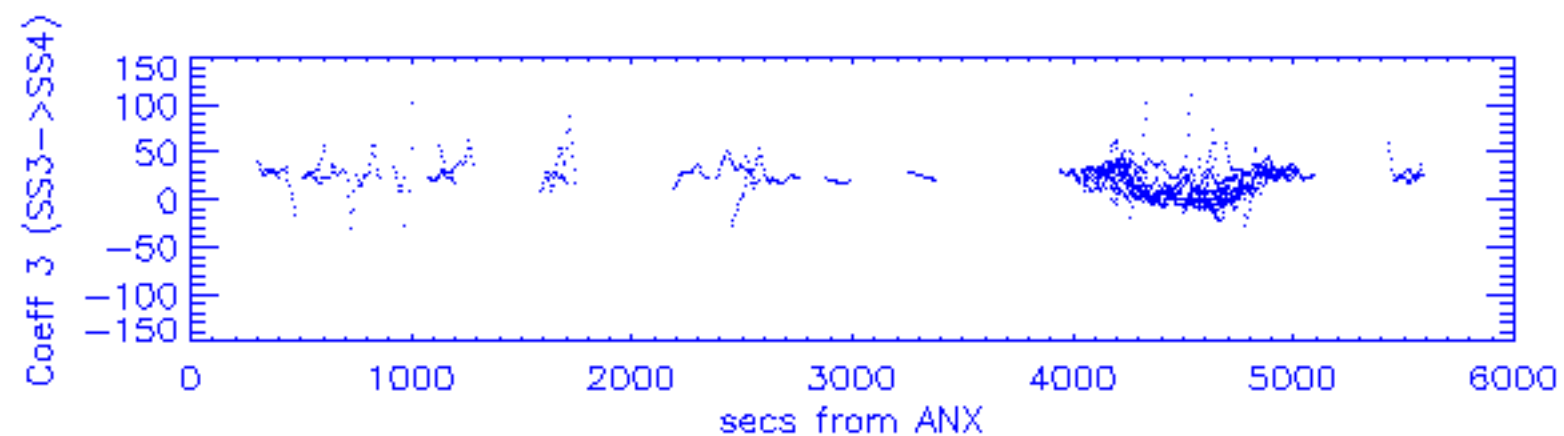
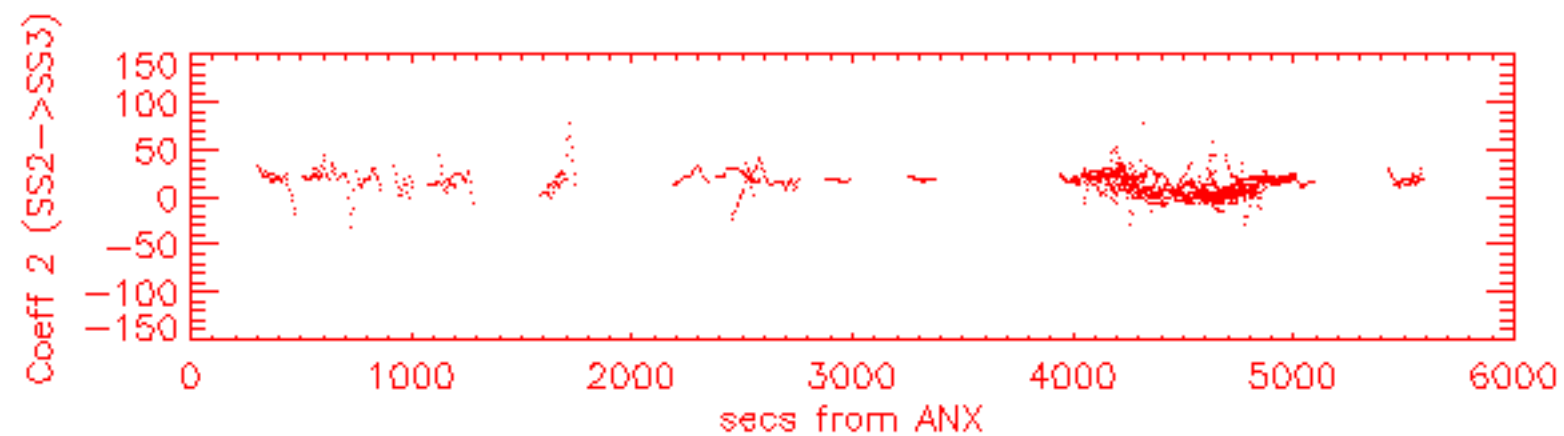
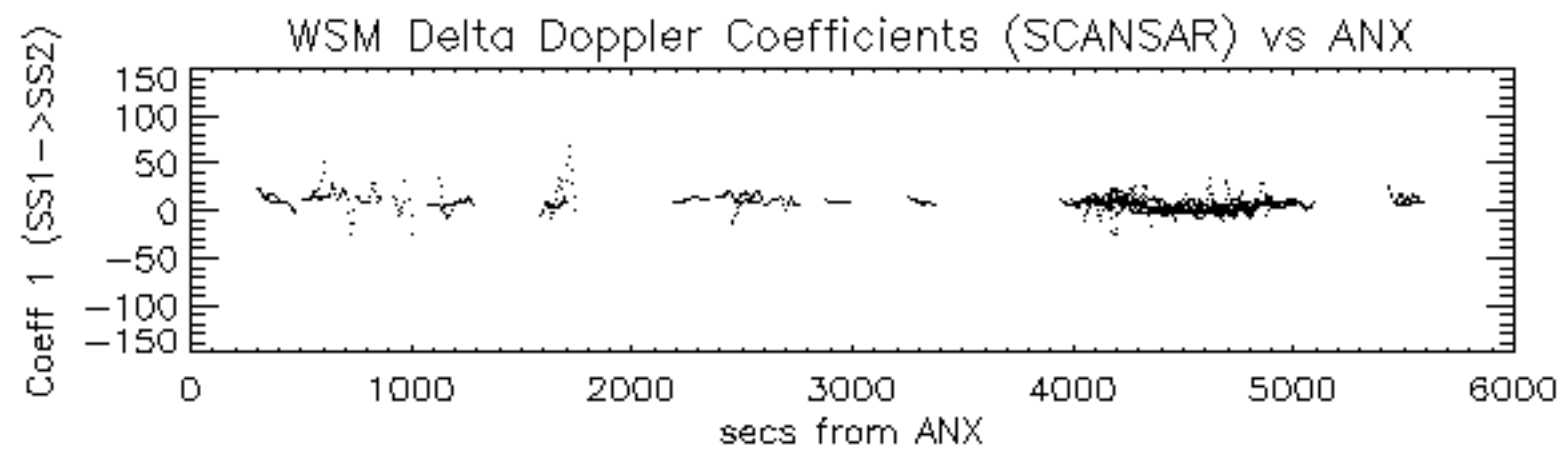


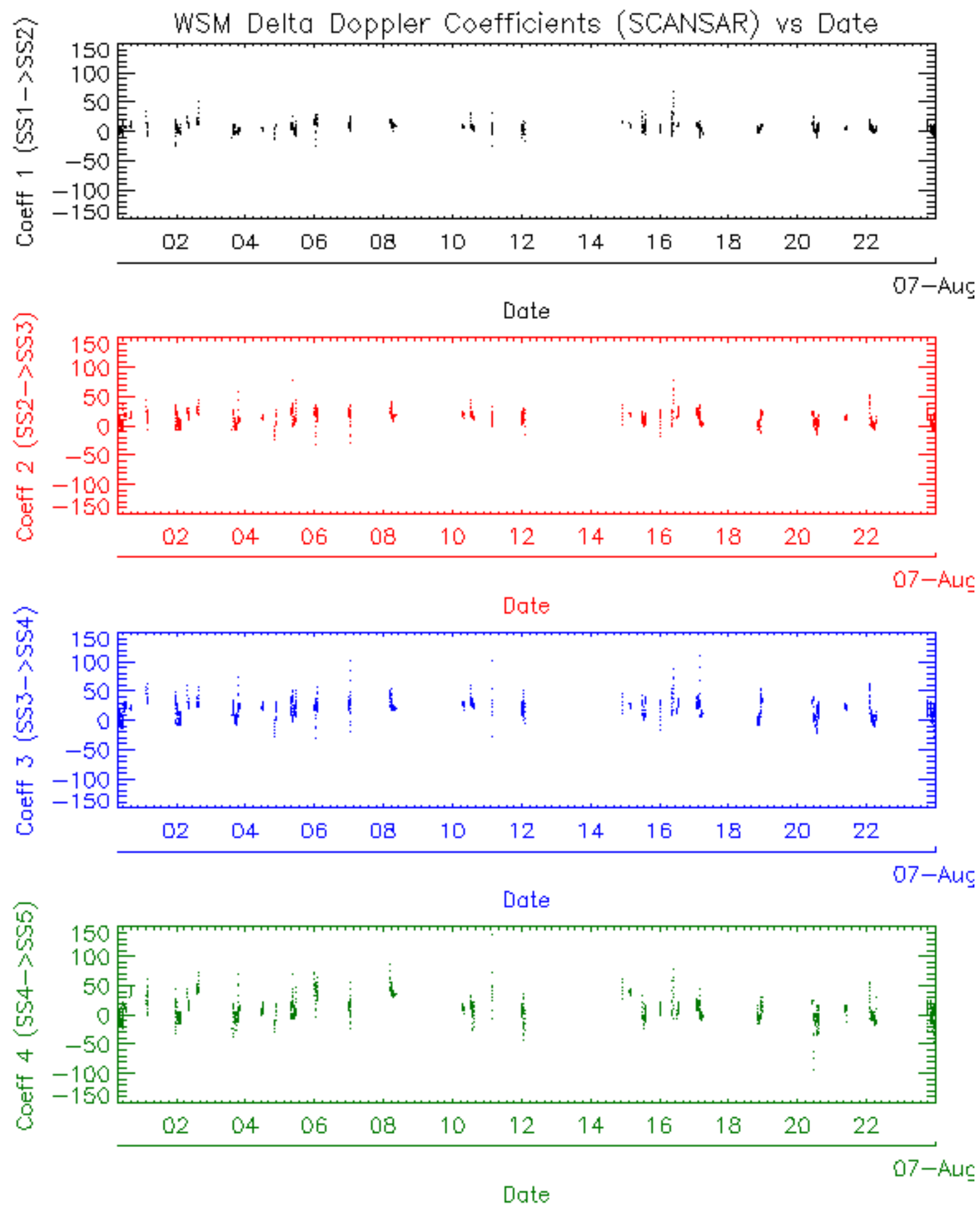
























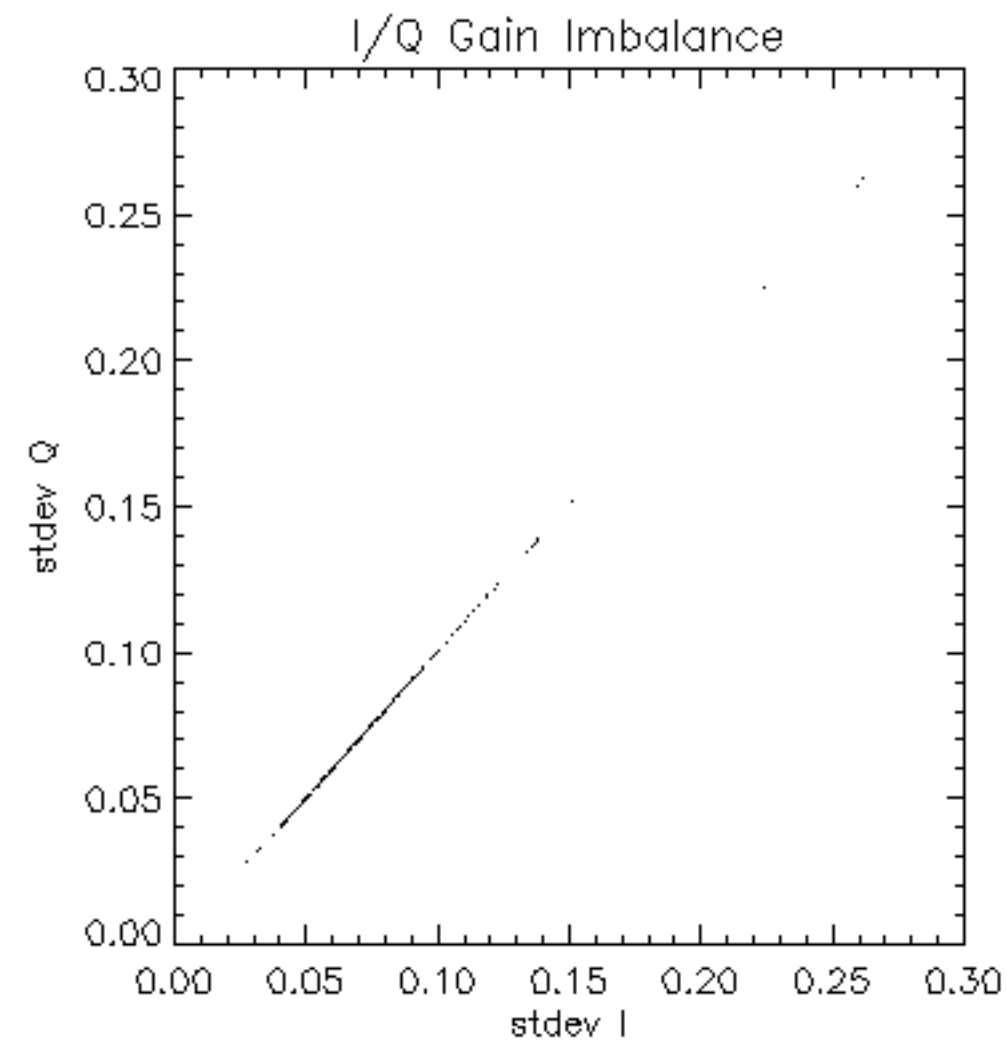


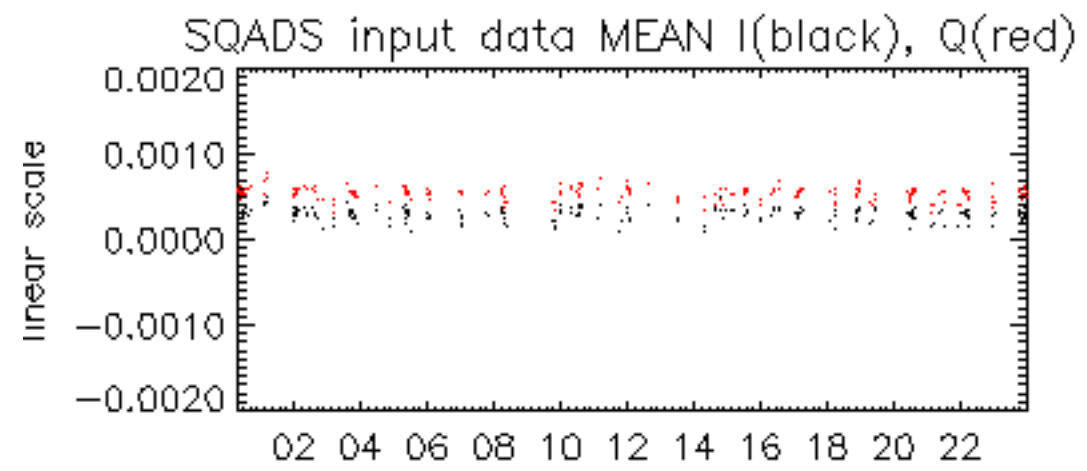




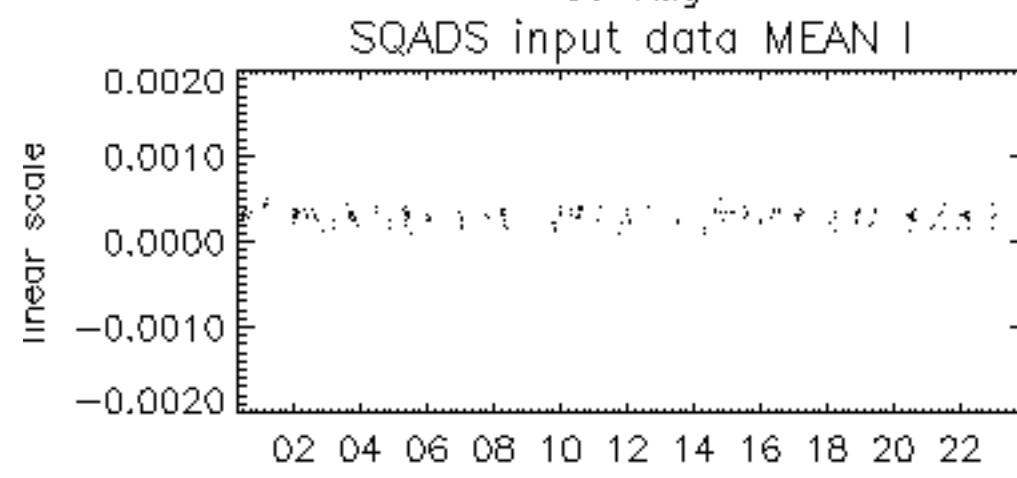




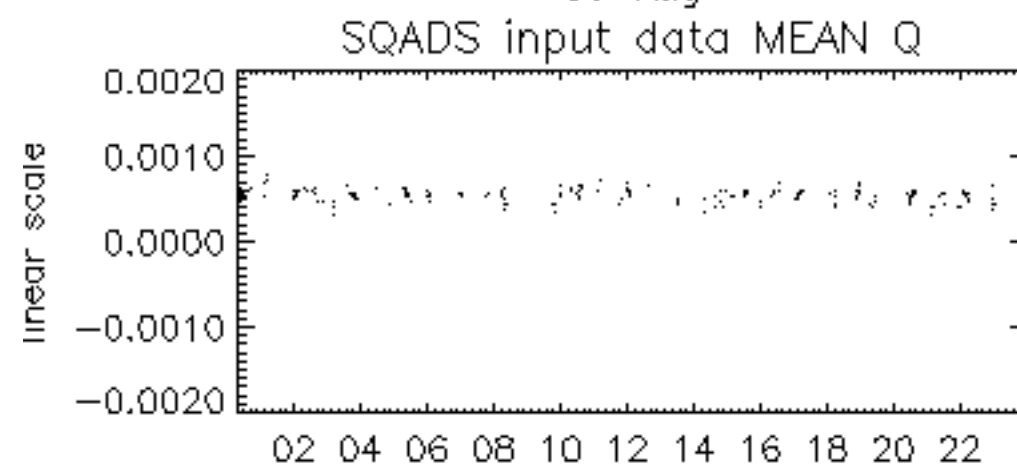




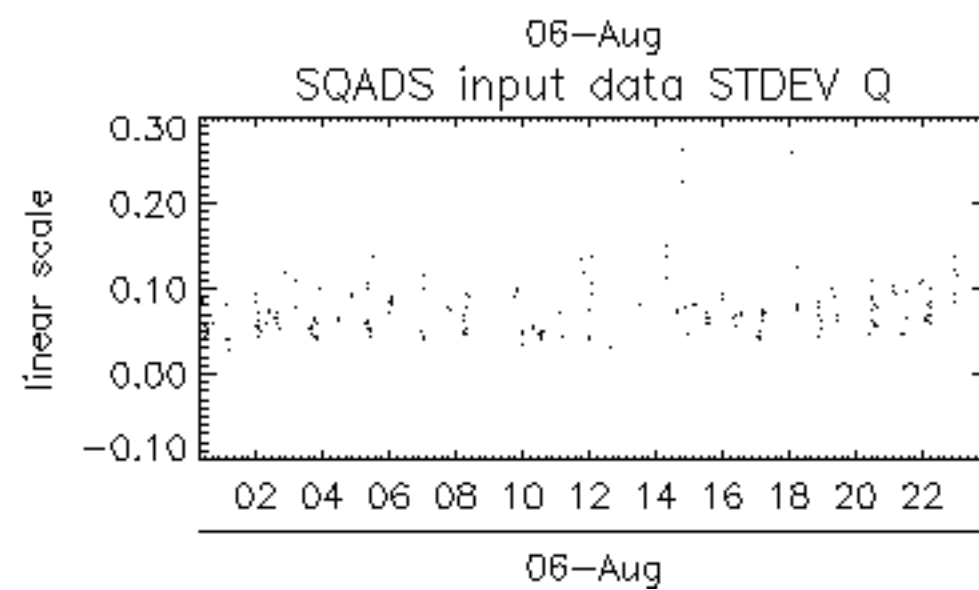
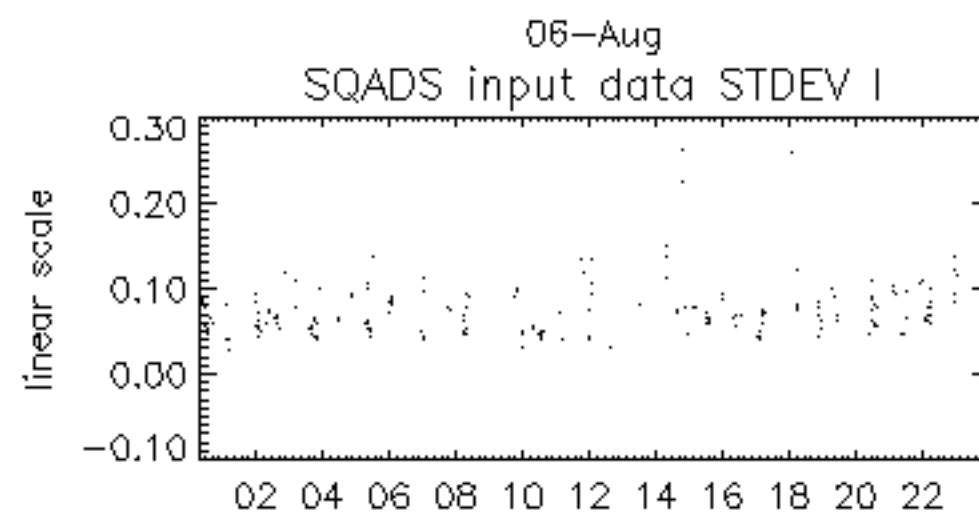
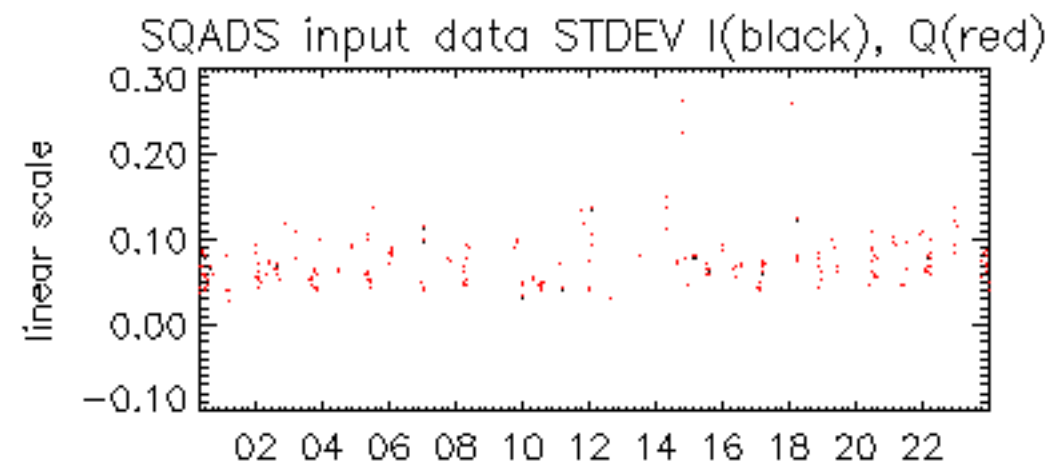
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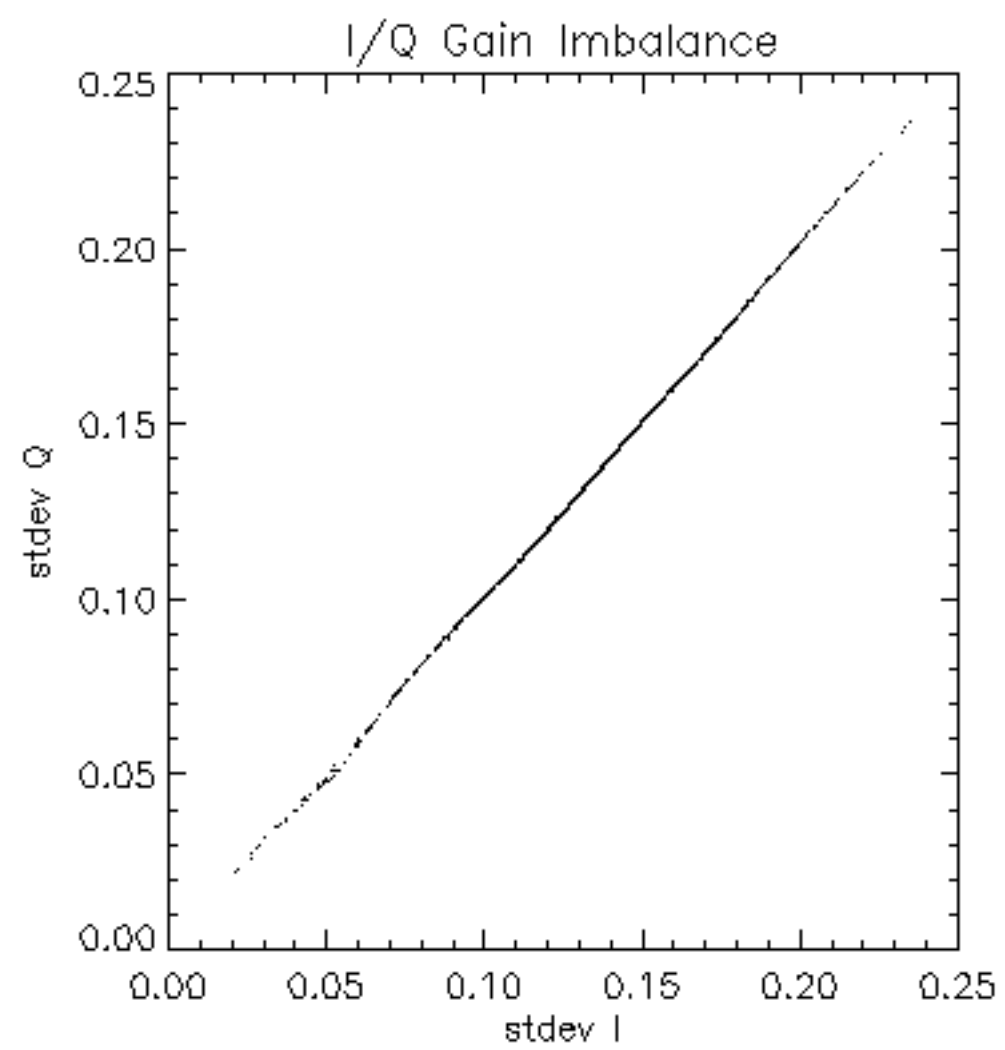


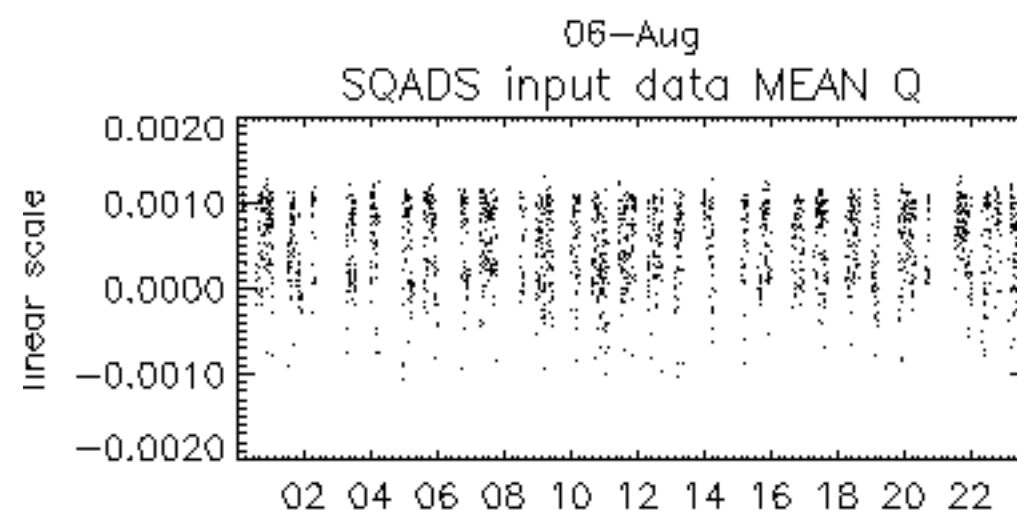
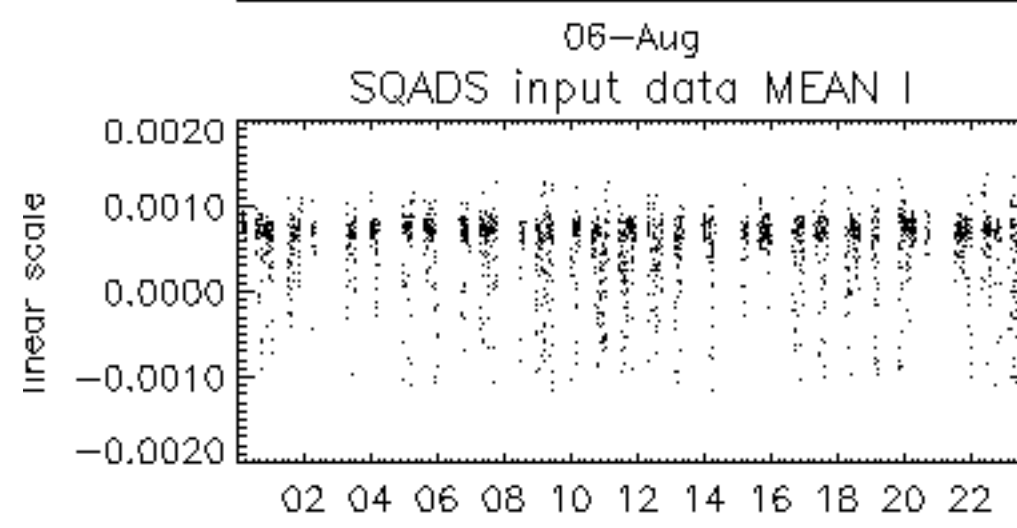
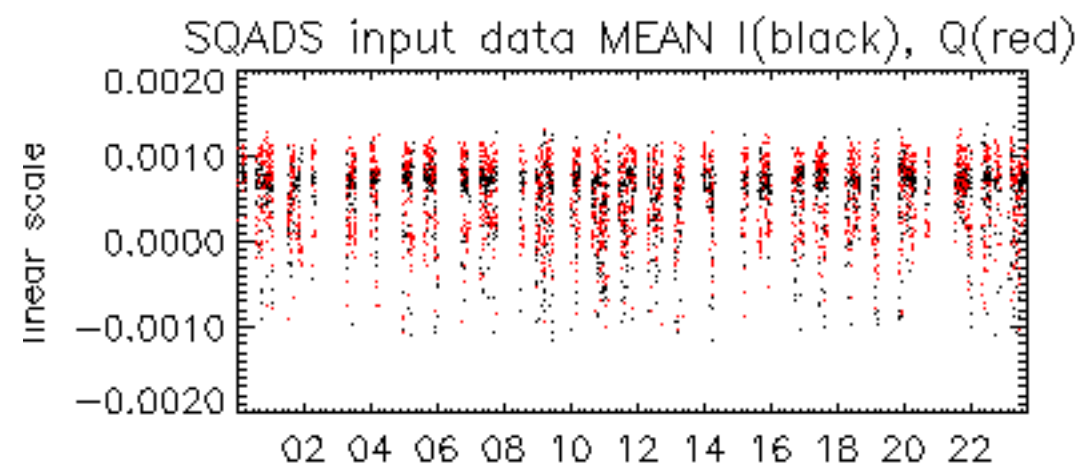
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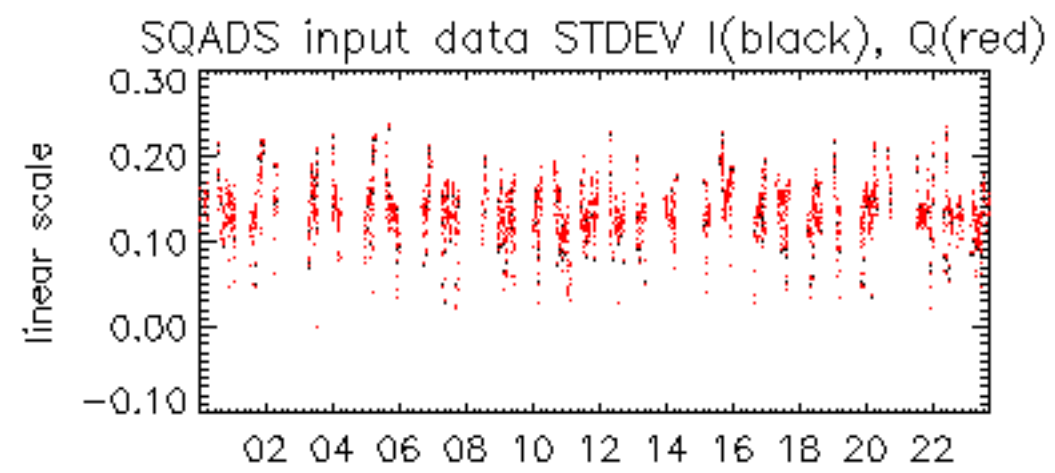




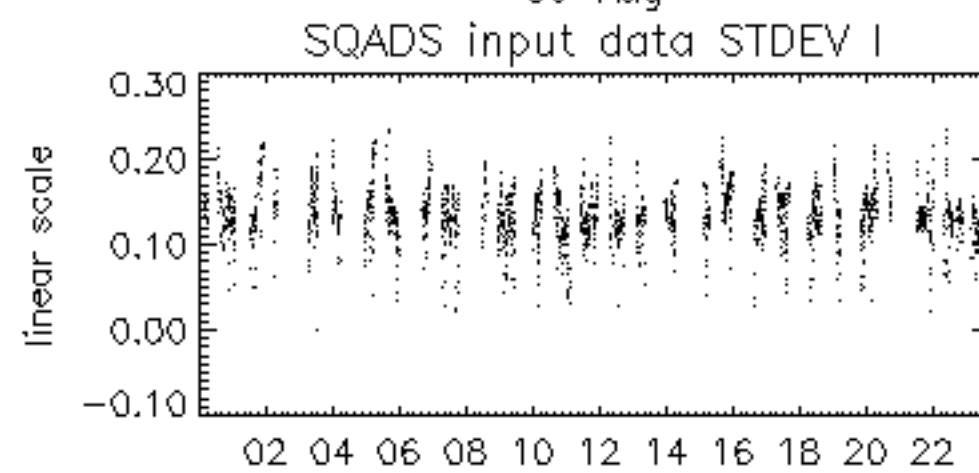


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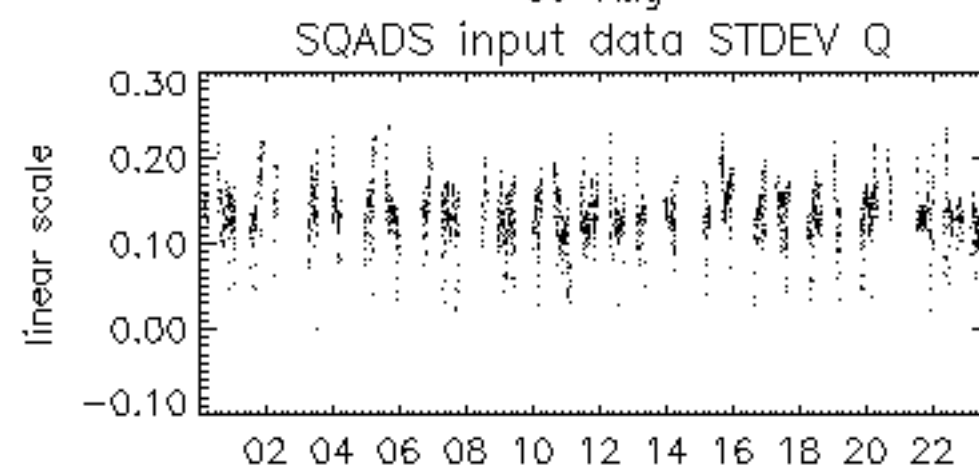




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