



Analysis from 13-APR-2011 00:00:00 to 13-APR-2011 23:59:59. Page generated on 14-APR-2011 07:31:29.  
View log file: ASAR\_Daily\_Report\_20110414\_0731.log. For any anomalies please contact emma.griffiths@vegaspace.com, kajal.haria@vegaspace.com.

This report is automatically generated every day, every 2 hours. No comments are provided on the results.

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## 1 - DATA SUMMARY

### 1.1 - Summary tables

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| WVS    |      |     |    | GM1    |      |     |    | APM    |      |     |   | IMM    |      |     |   | WSM    |      |     |    | MS     |                     |     |         |
|--------|------|-----|----|--------|------|-----|----|--------|------|-----|---|--------|------|-----|---|--------|------|-----|----|--------|---------------------|-----|---------|
| Center | Beam | Pol | #  | Center | Beam | Pol | #  | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | #  | Center | Time                | Pol | Modules |
| PDE    | IS1  | V/V | 2  | PDE    | WS   | H/H | 32 | PDE    | IS1  | H/H | 2 | PDE    | IS2  | V/V | 2 | PDE    | WS   | H/H | 28 | PDK    | 2011-04-13 12:07:05 | H   | 320     |
| PDE    | IS2  | V/V | 26 |        |      |     |    | PDE    | IS4  | V/H | 1 | PDE    | IS5  | H/H | 1 | PDE    | WS   | V/V | 5  | PDK    | 2011-04-13 13:47:19 | V   | 320     |
| PDK    | IS2  | V/V | 24 |        |      |     |    | PDE    | IS4  | V/V | 1 | PDE    | IS6  | H/H | 5 |        |      |     |    |        |                     |     |         |

## 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_AXVIEC20101222_141422_20100317_120410_20141231_000000 |
| ASA_INS_AXVIEC20110124_114858_20101228_112000_20141231_235959 |
| ASA_XCH_AXVIEC20101222_143057_20020301_000000_20141231_000000 |
| ASA_XCA_AXVIEC20101111_113830_20100601_000000_20141231_000000 |

### 2.2 - Products with wrong ADFs

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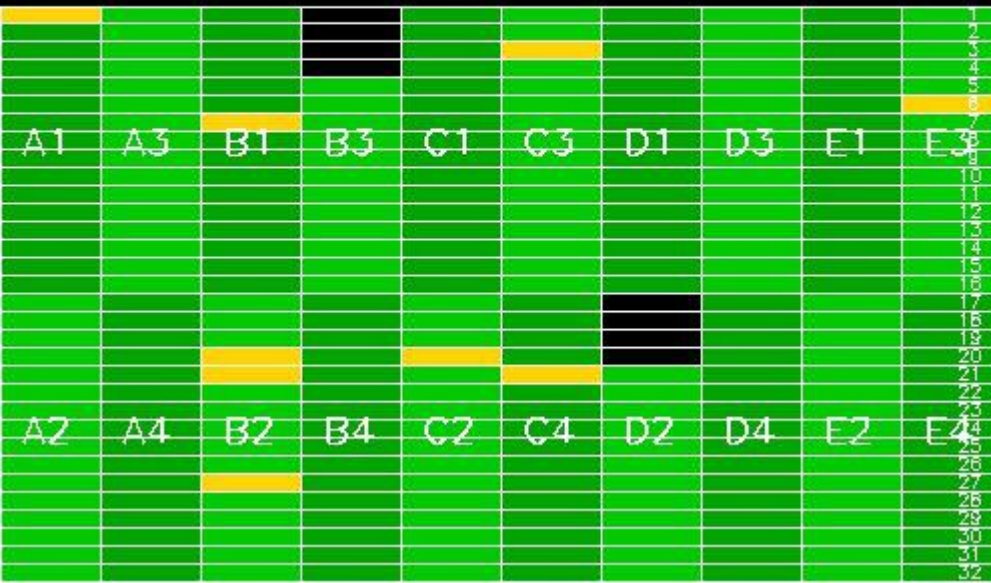
| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|---------|---------|---------|---------|---------|
| WVS     | 0       | 0       | 0       | 0       |
| GM1     | 0       | 0       | 0       | 0       |
| APM     | 0       | 0       | 0       | 0       |
| IMM     | 0       | 0       | 0       |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

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

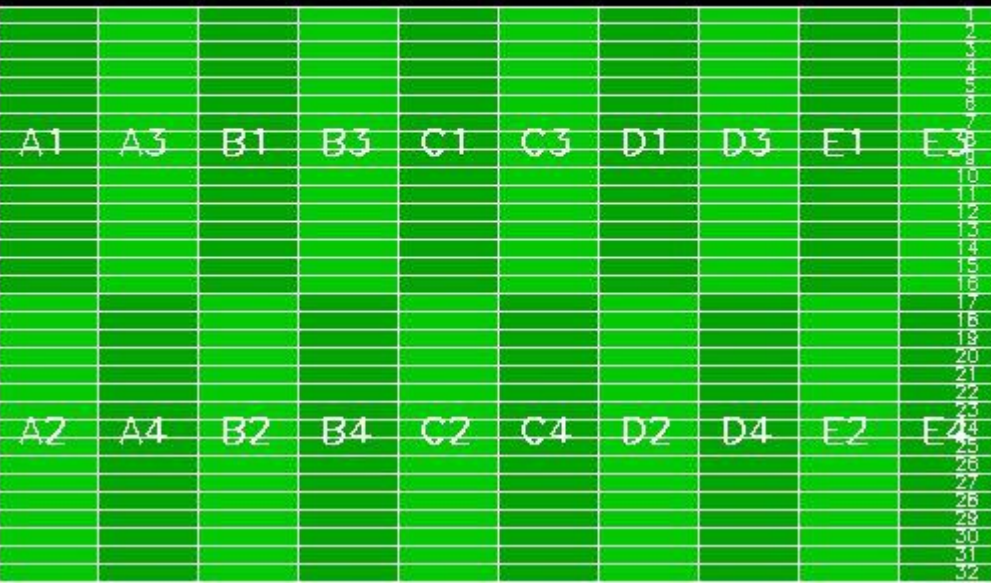
## 3 - MODULE STEPPING PRODUCTS ANALYSIS

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

Reference: 2001-02-09 14:08:23 V RxGain  
 Test : 2011-04-13 13:47:19 V



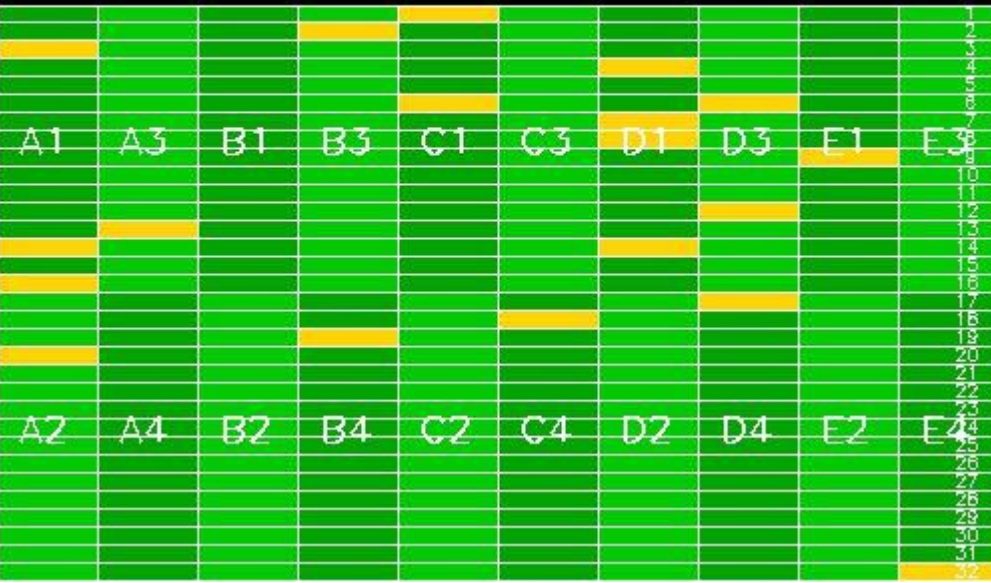
Reference: 2011-04-12 14:24:03 V RxGain  
 Test : 2011-04-13 13:47:19 V

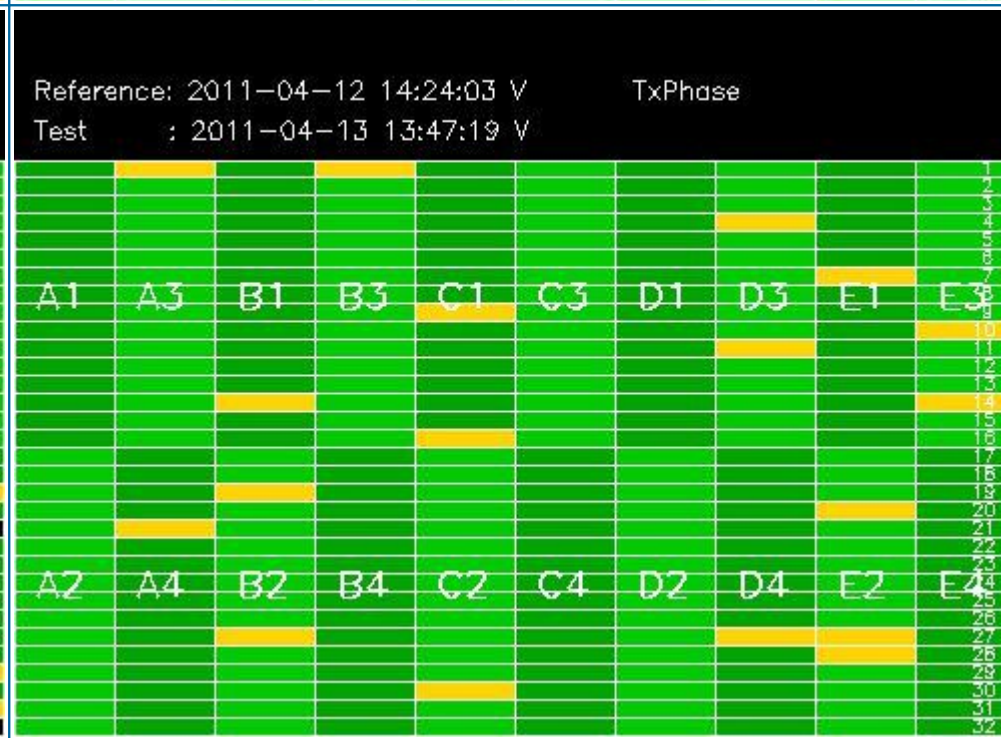
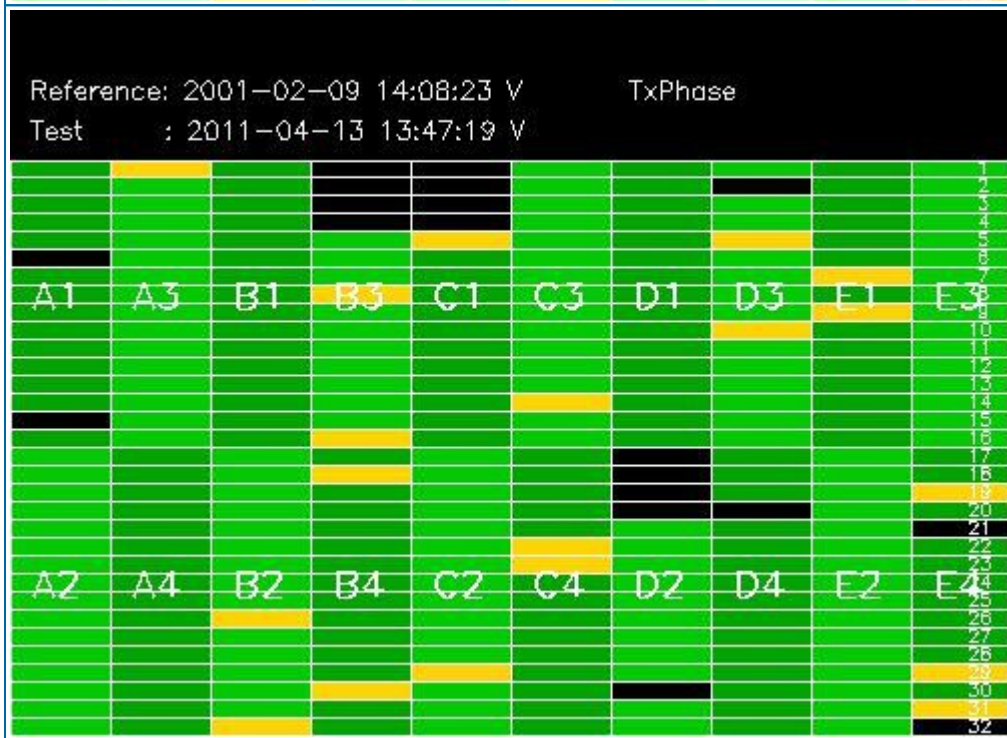
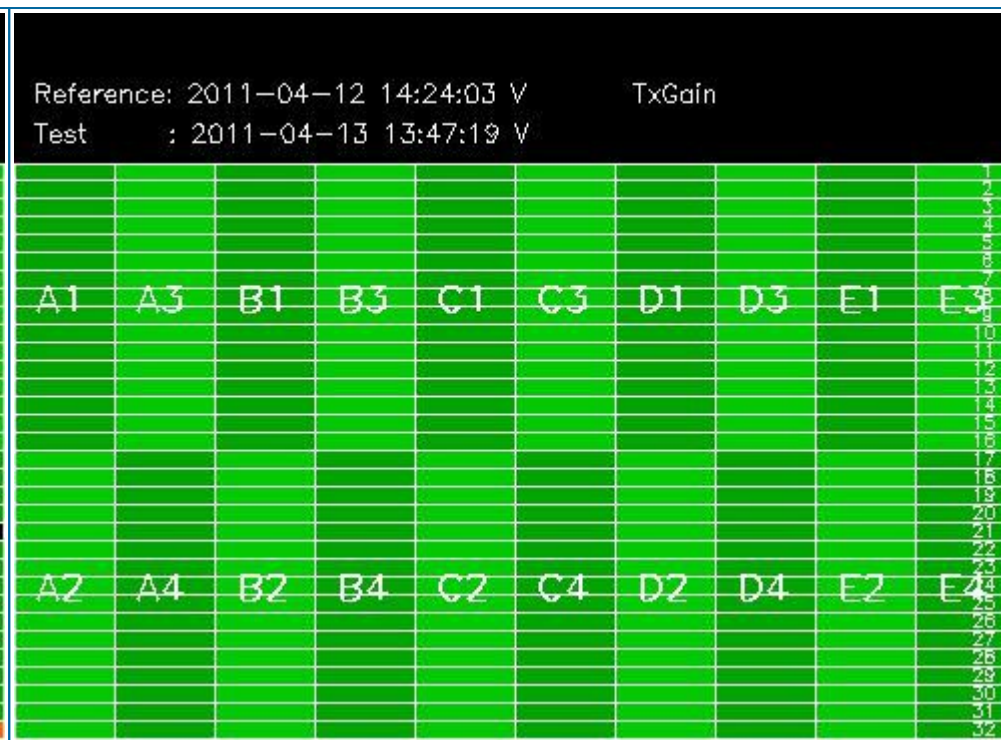
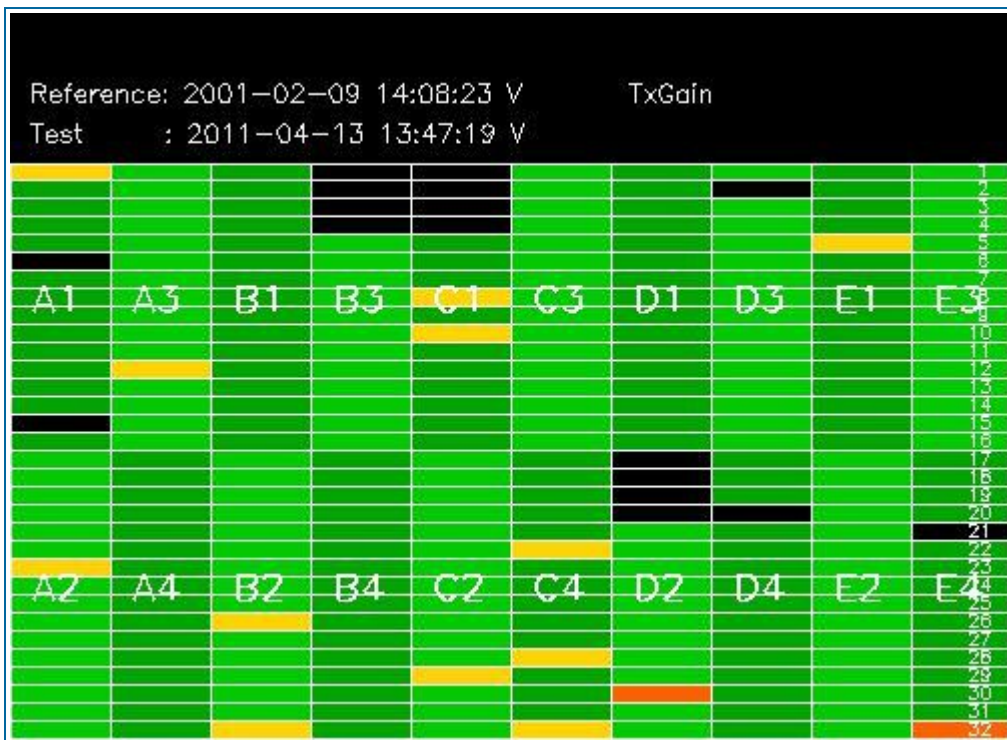


Reference: 2001-02-09 14:08:23 V RxPhase  
 Test : 2011-04-13 13:47:19 V



Reference: 2011-04-12 14:24:03 V RxPhase  
 Test : 2011-04-13 13:47:19 V



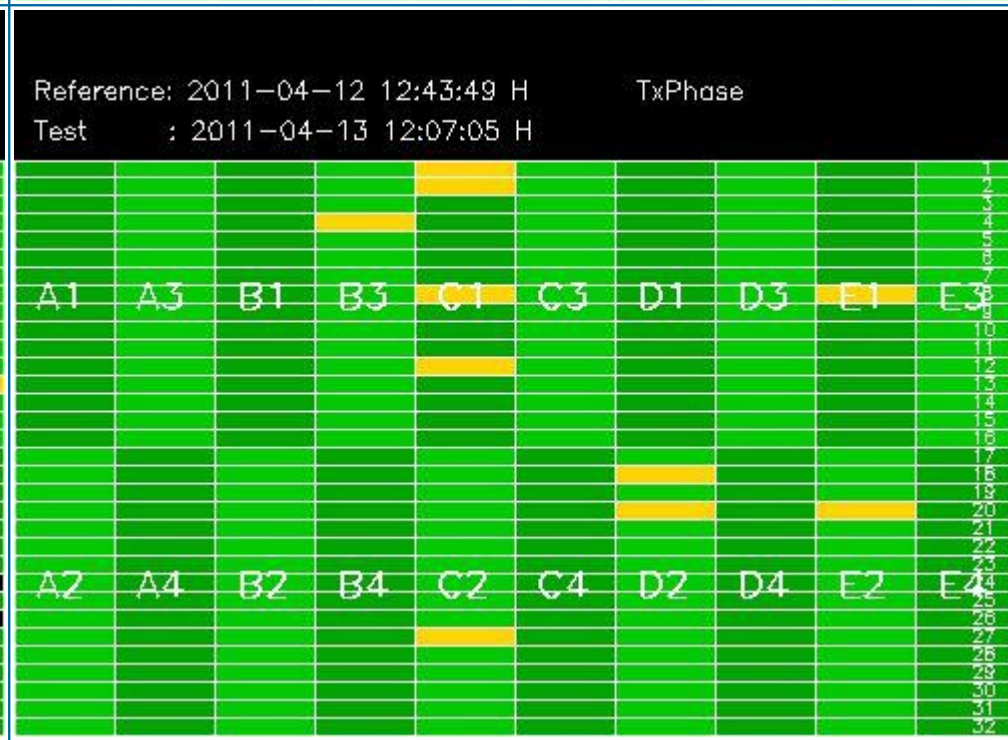
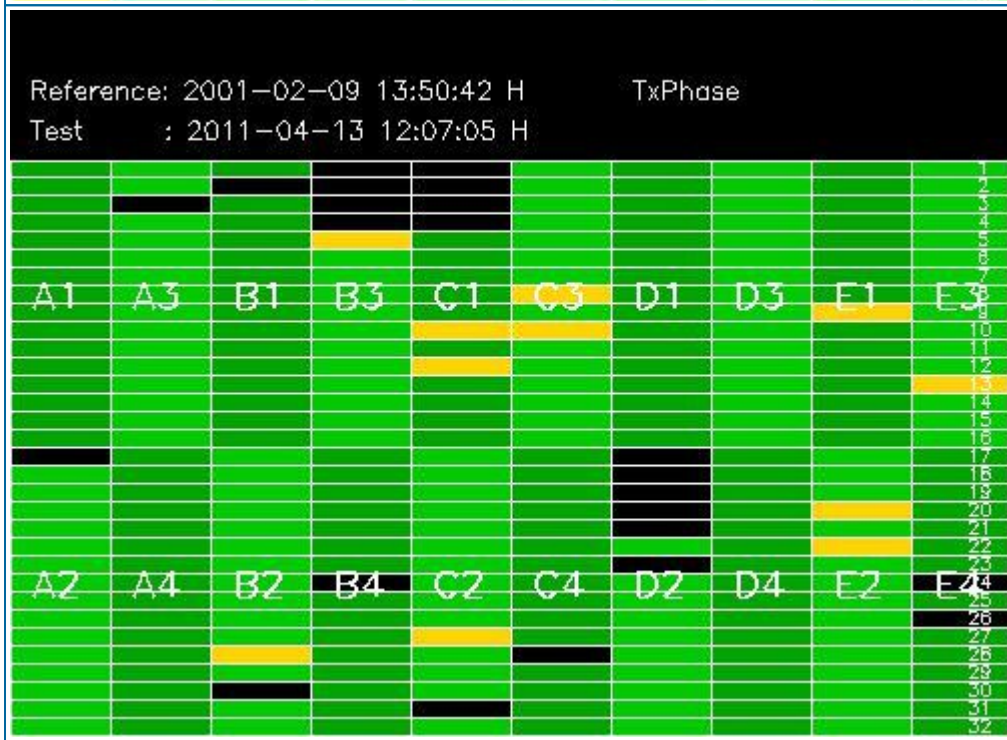
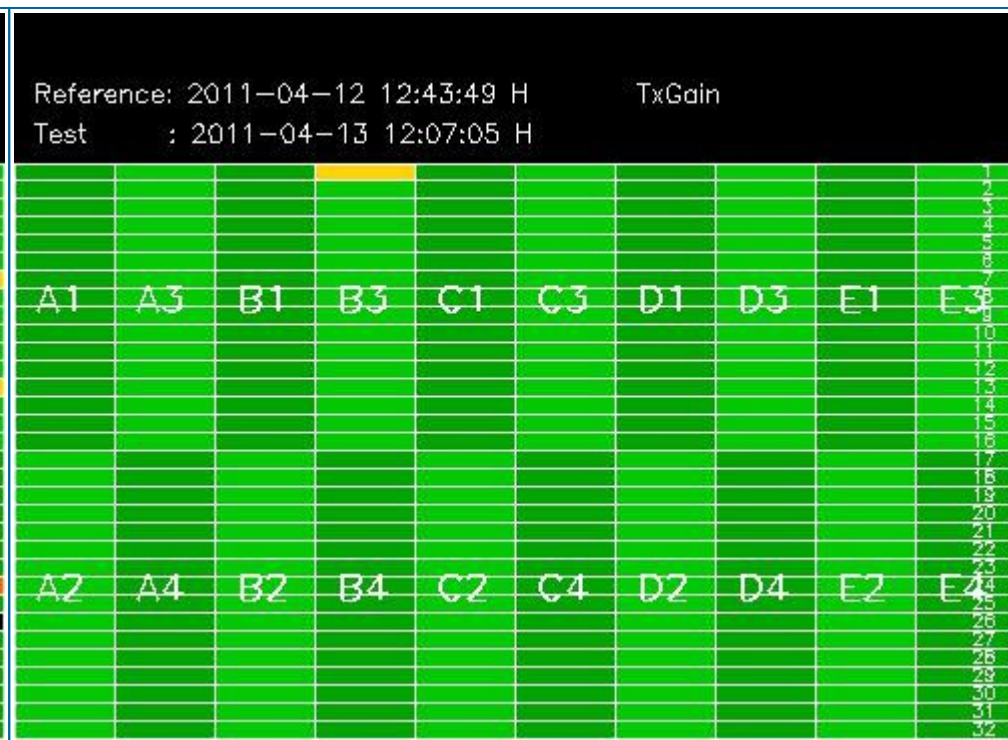
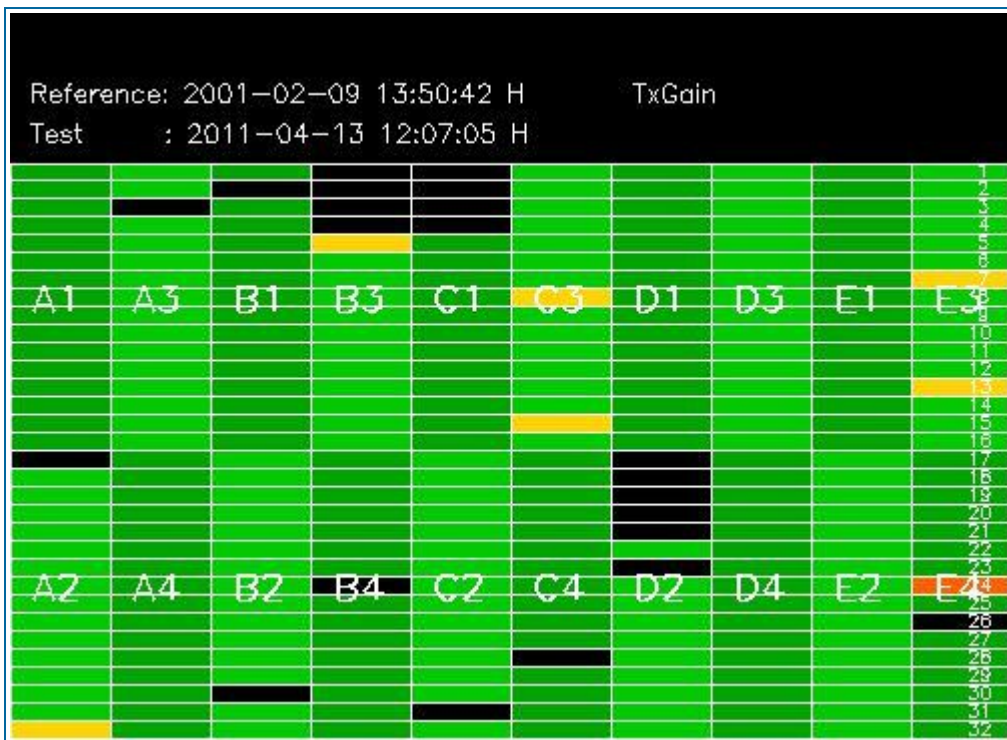


### 3.2 - H/H polarisation

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





## 4 - CALIBRATION PULSES ANALYSIS

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

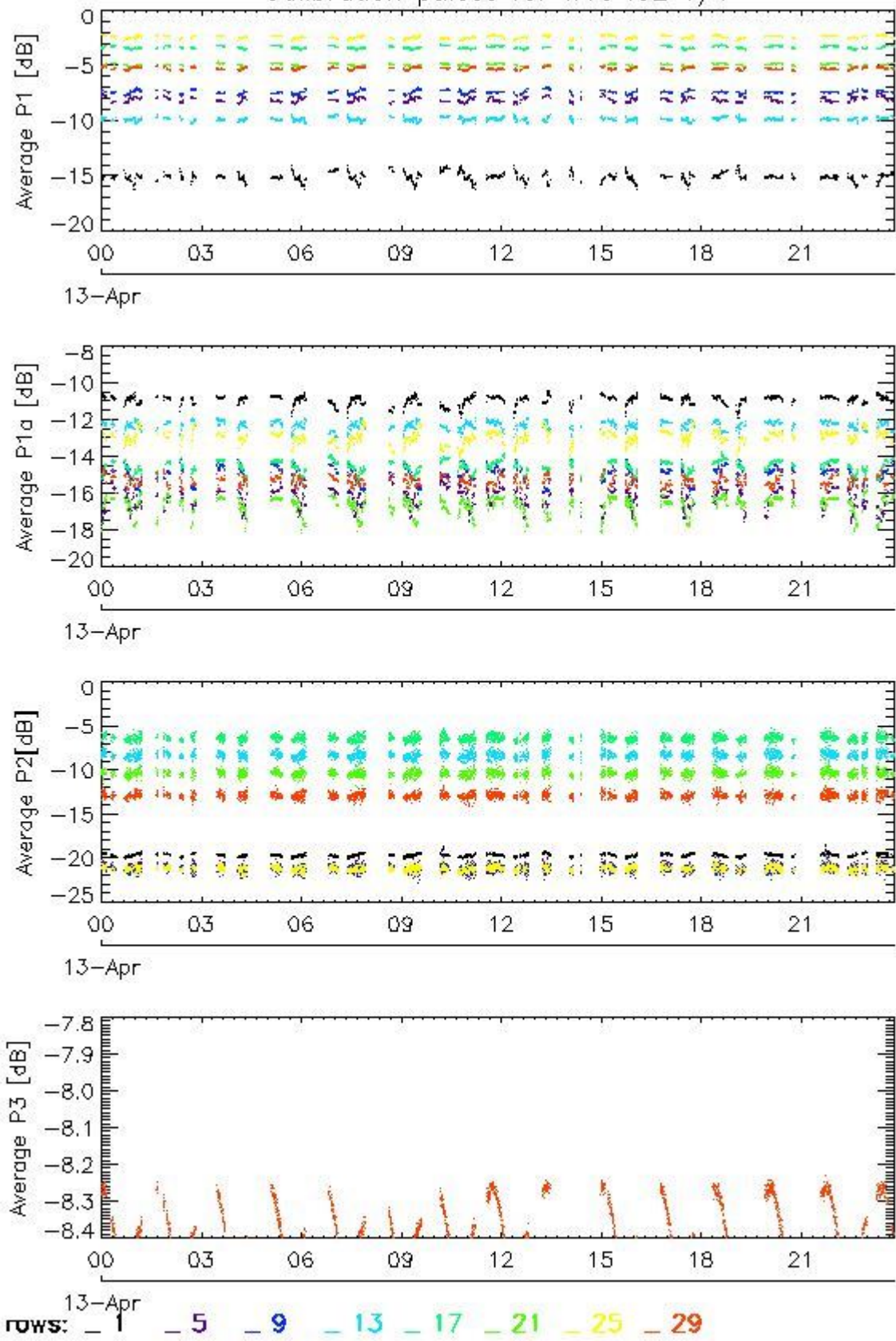
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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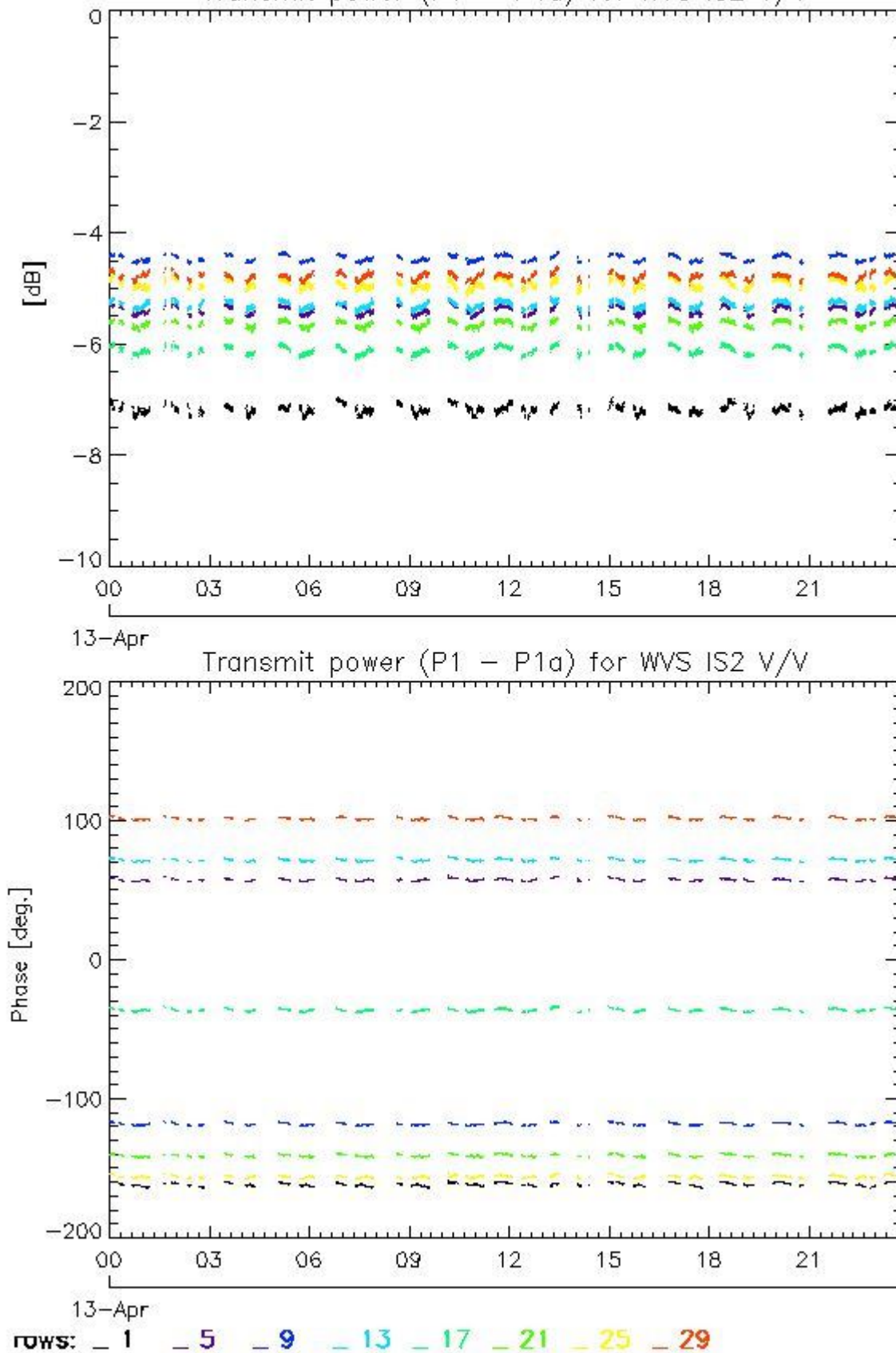
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



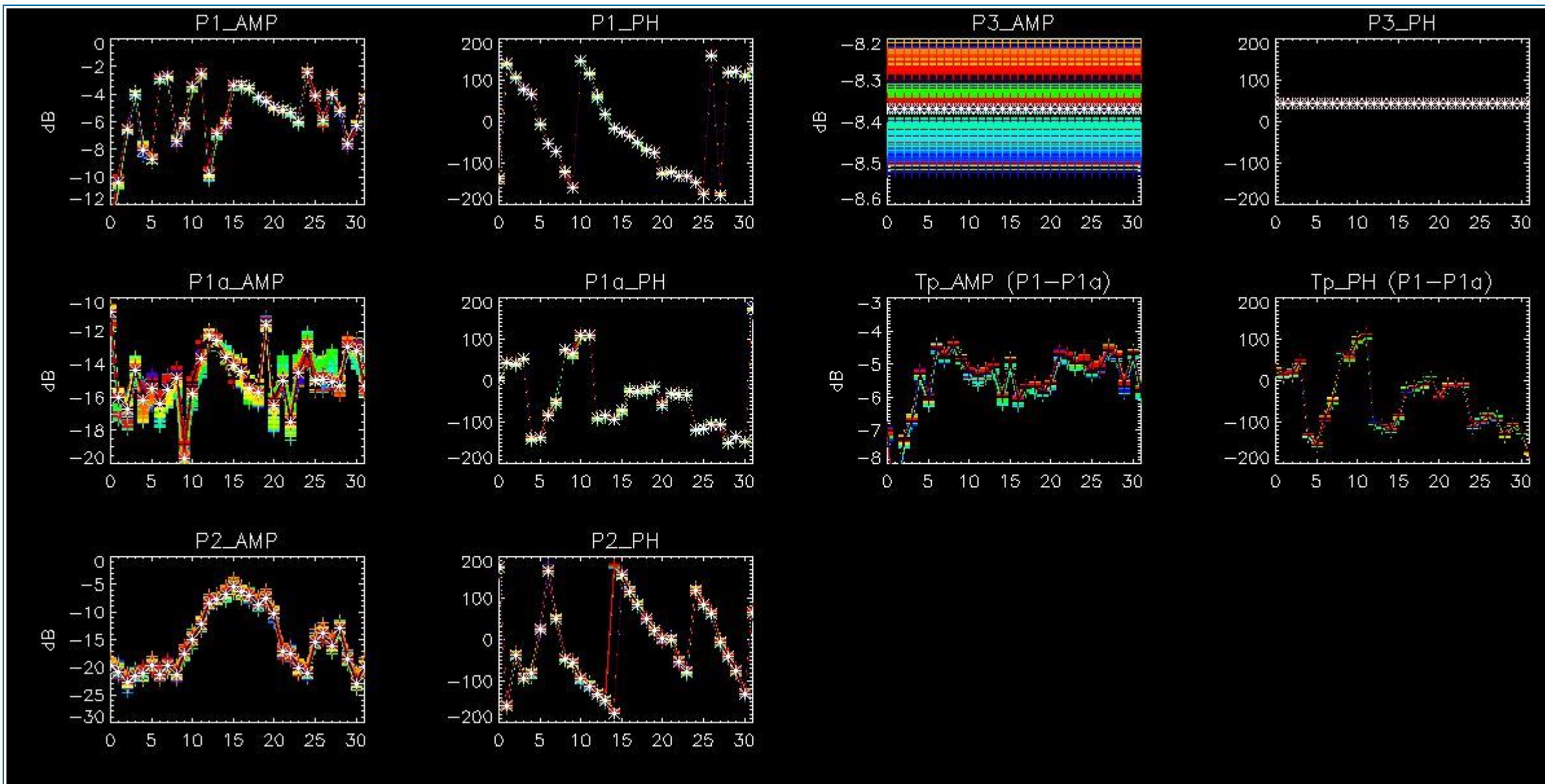
Transmit power (P1 - P1a) for WVS IS2 V/V



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

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## 4.2 - Analysis for GM1 SS3 H/H

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

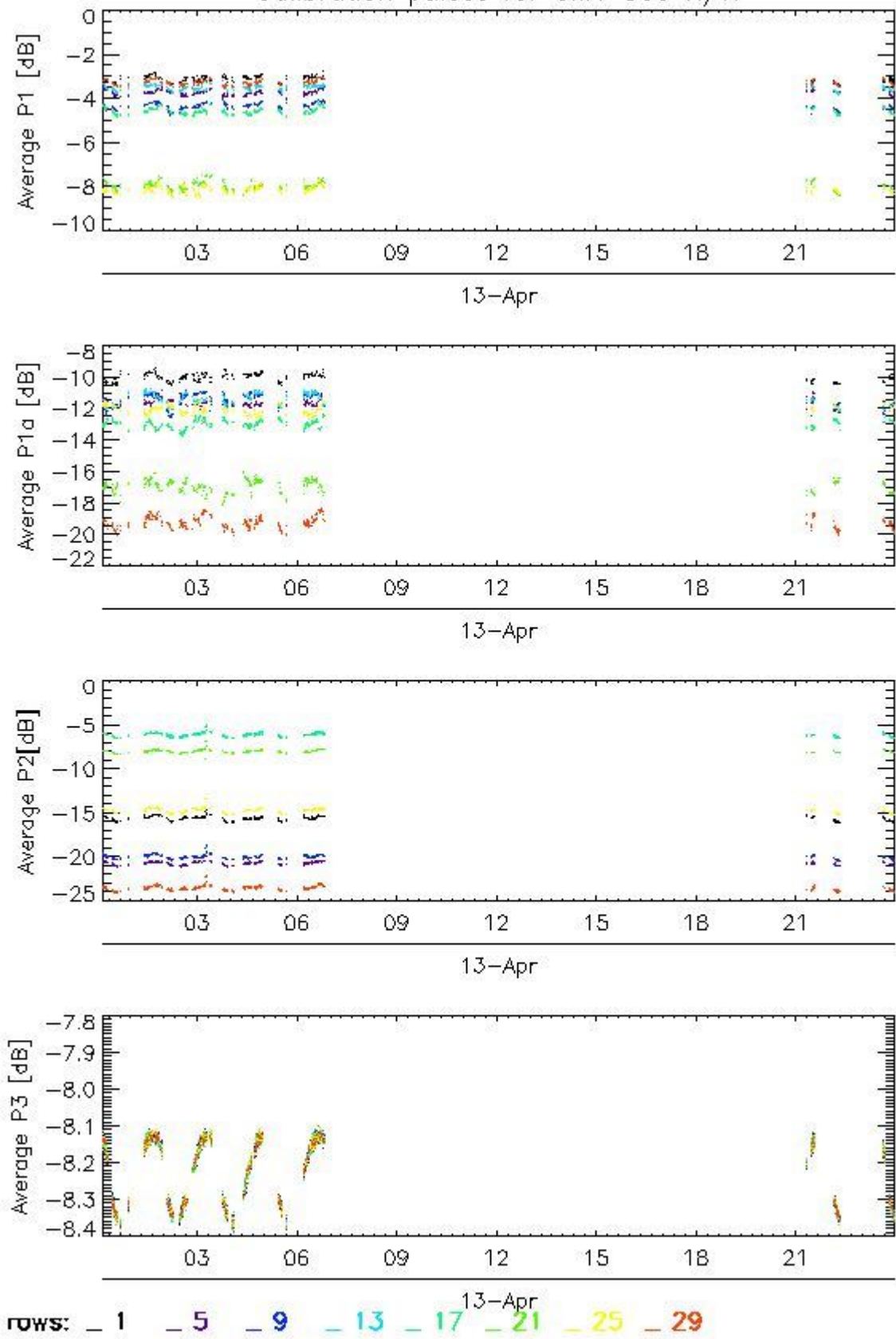
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

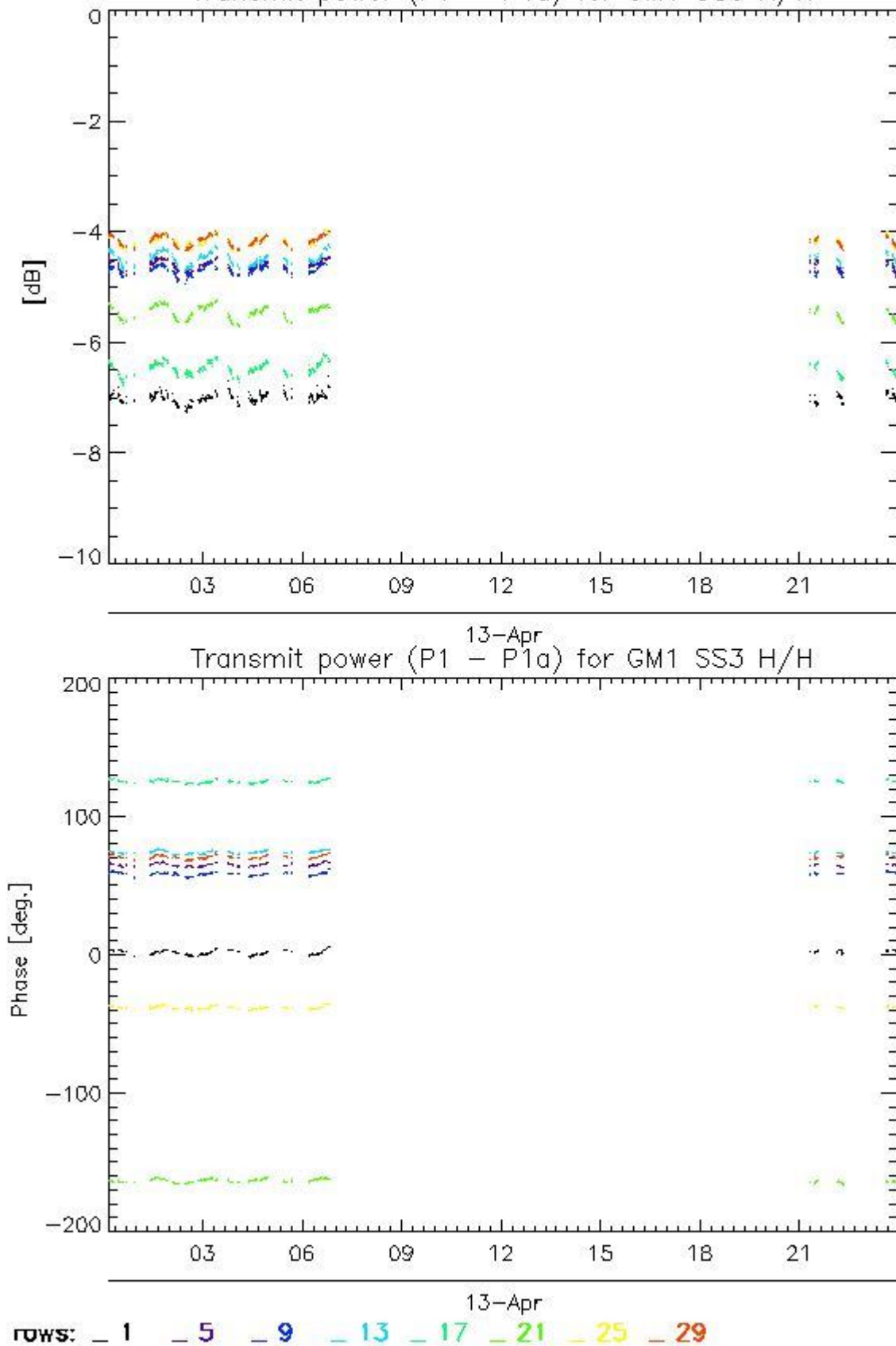
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



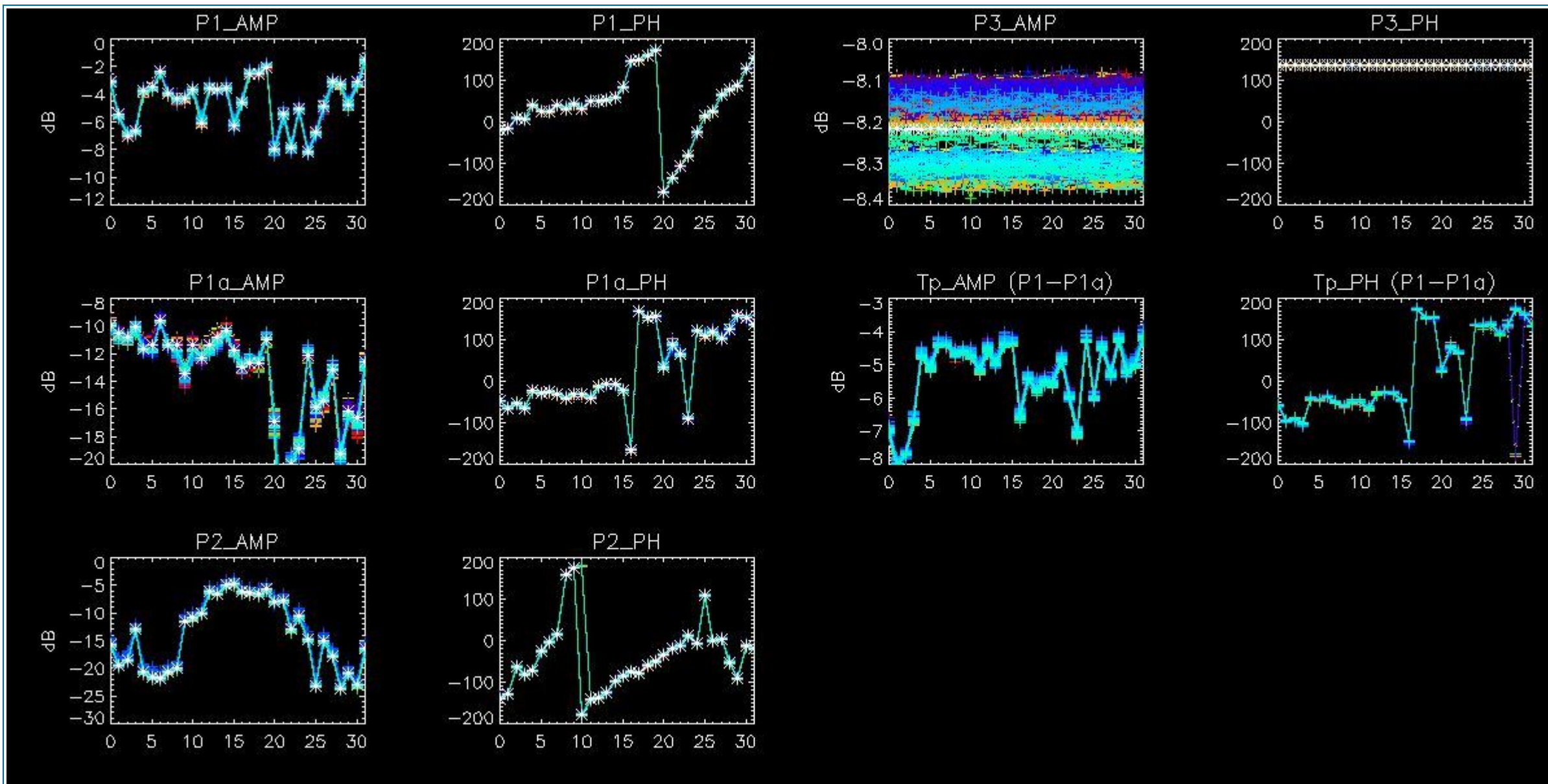
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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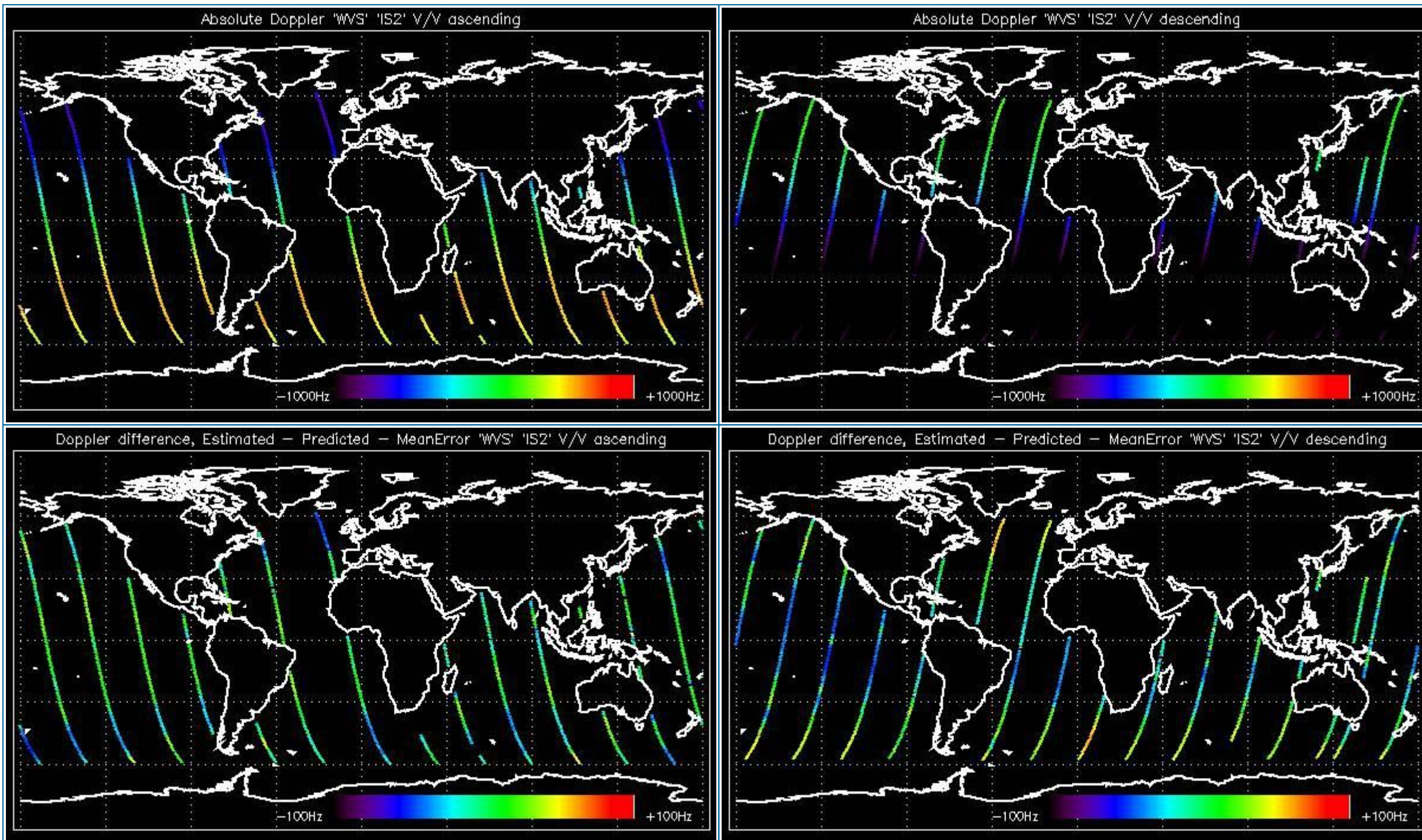
## 5 - DOPPLER ANALYSIS

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

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

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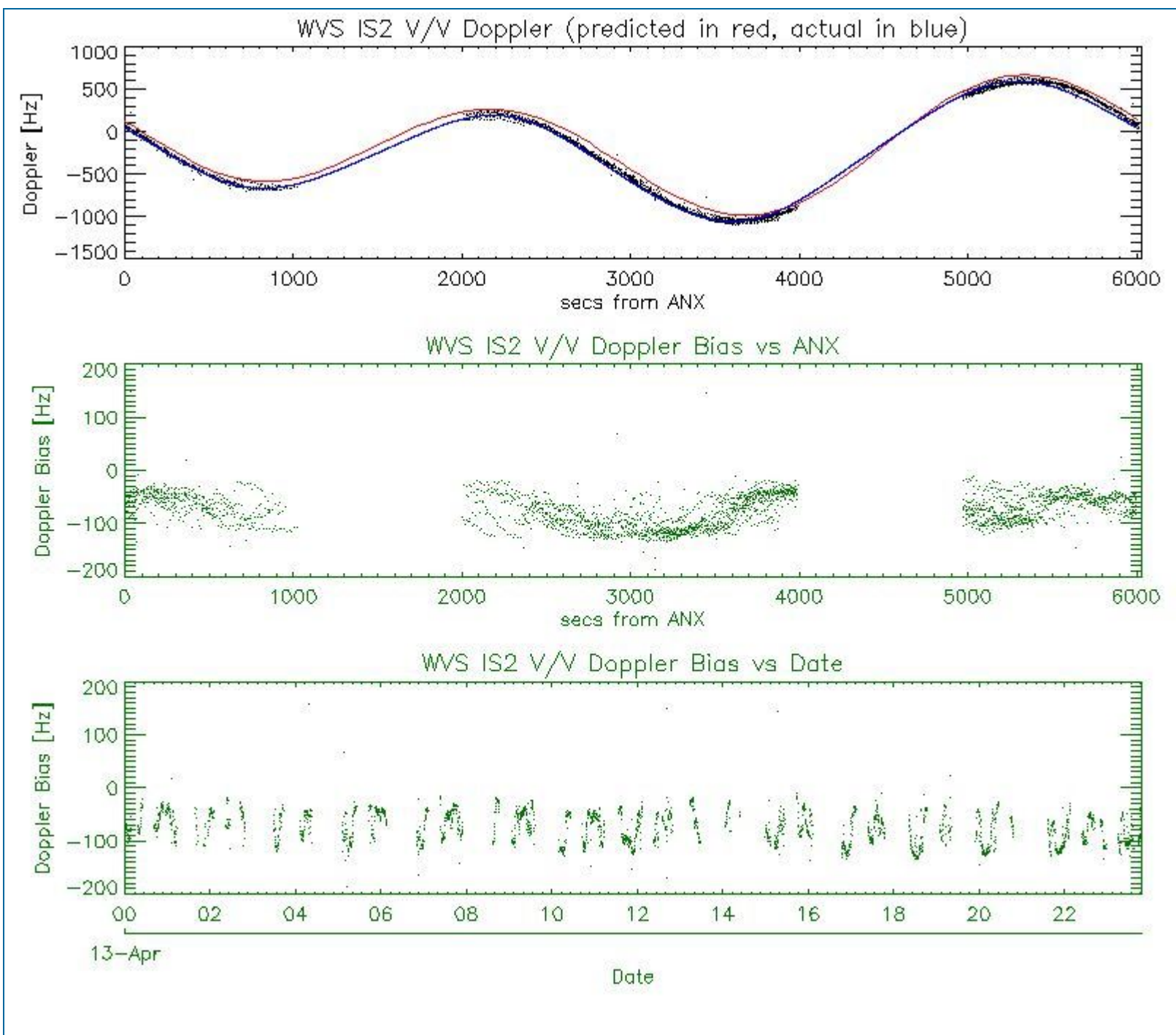




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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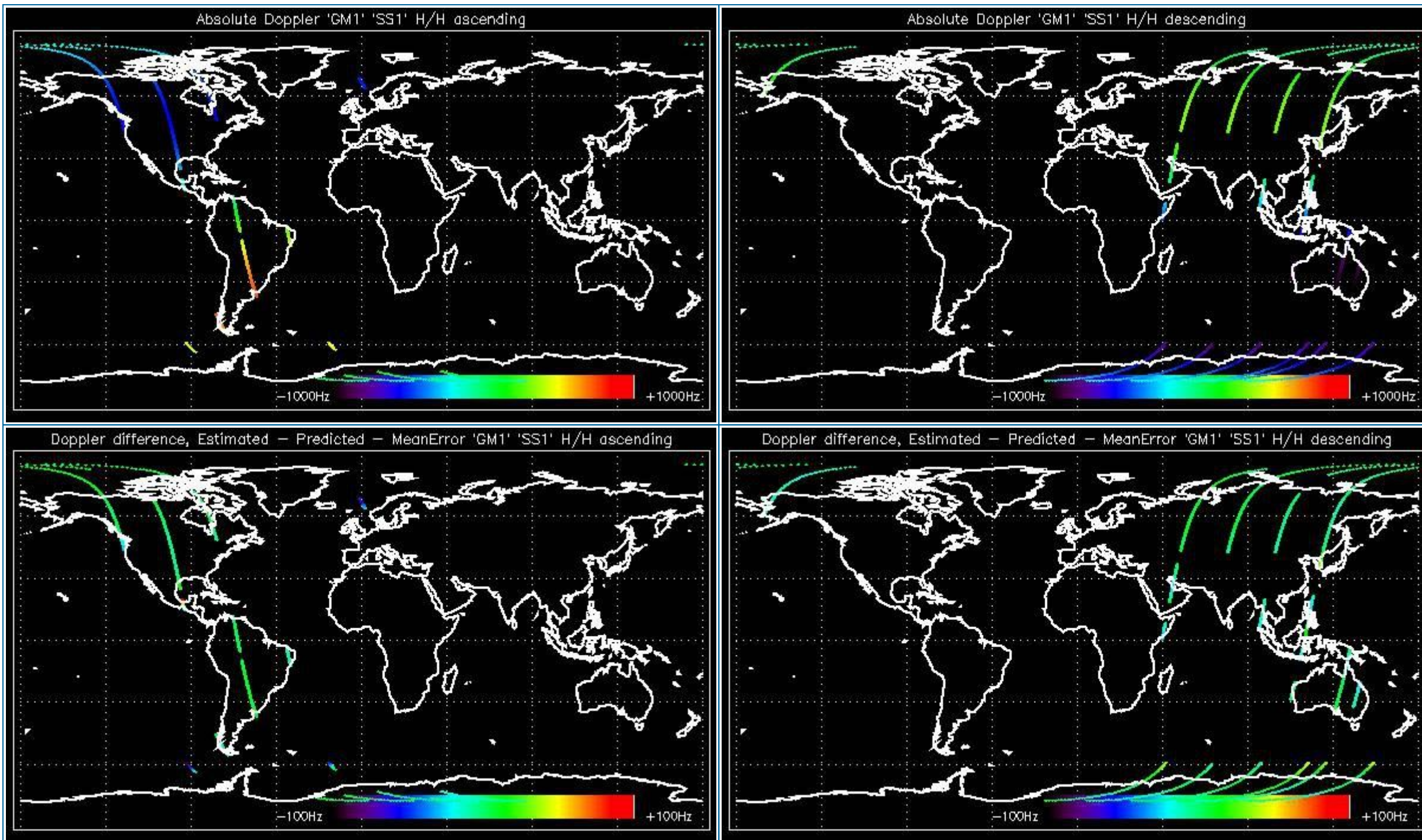


## 5.2 - Analysis for GM1 SS1 H/H

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

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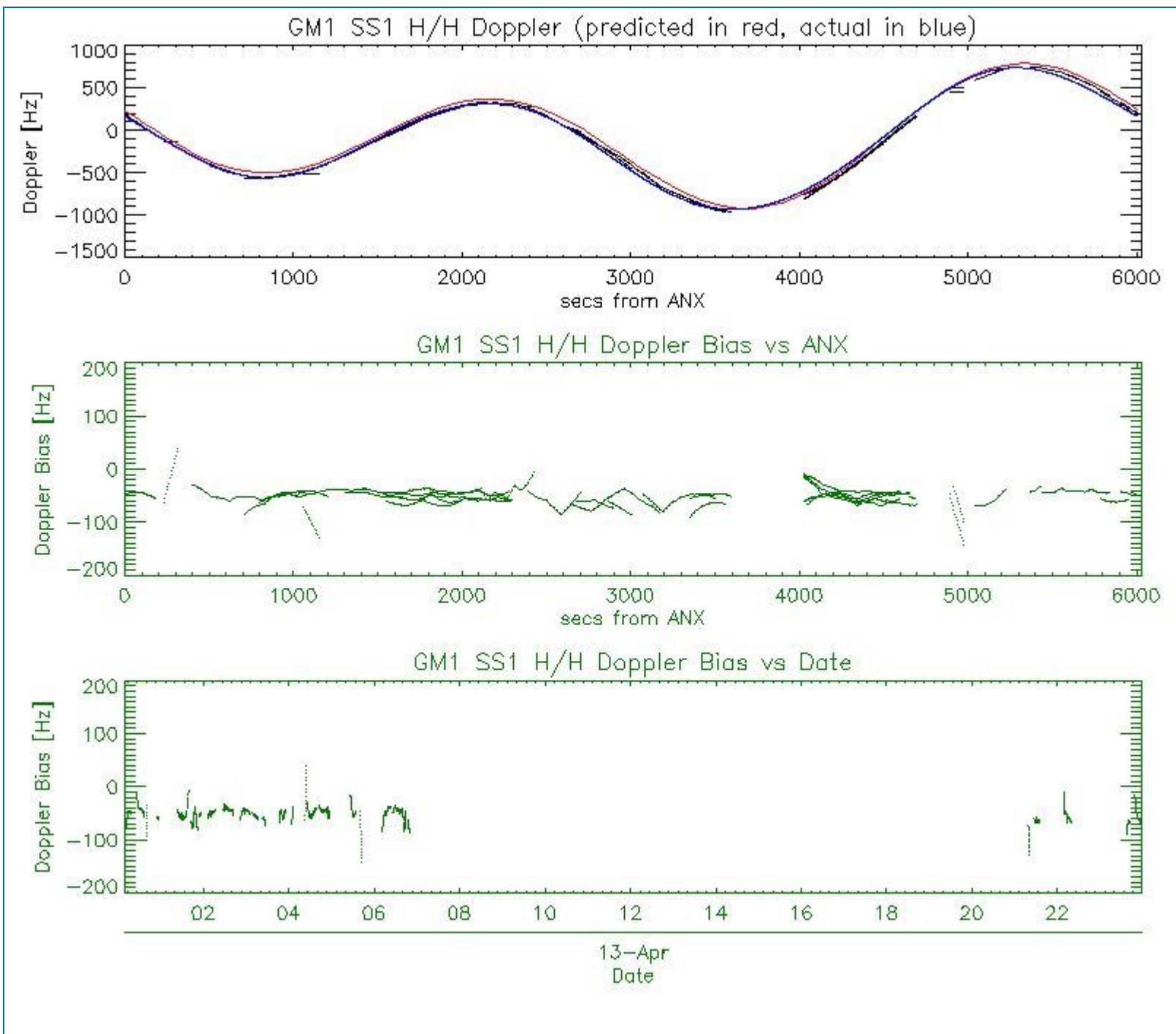




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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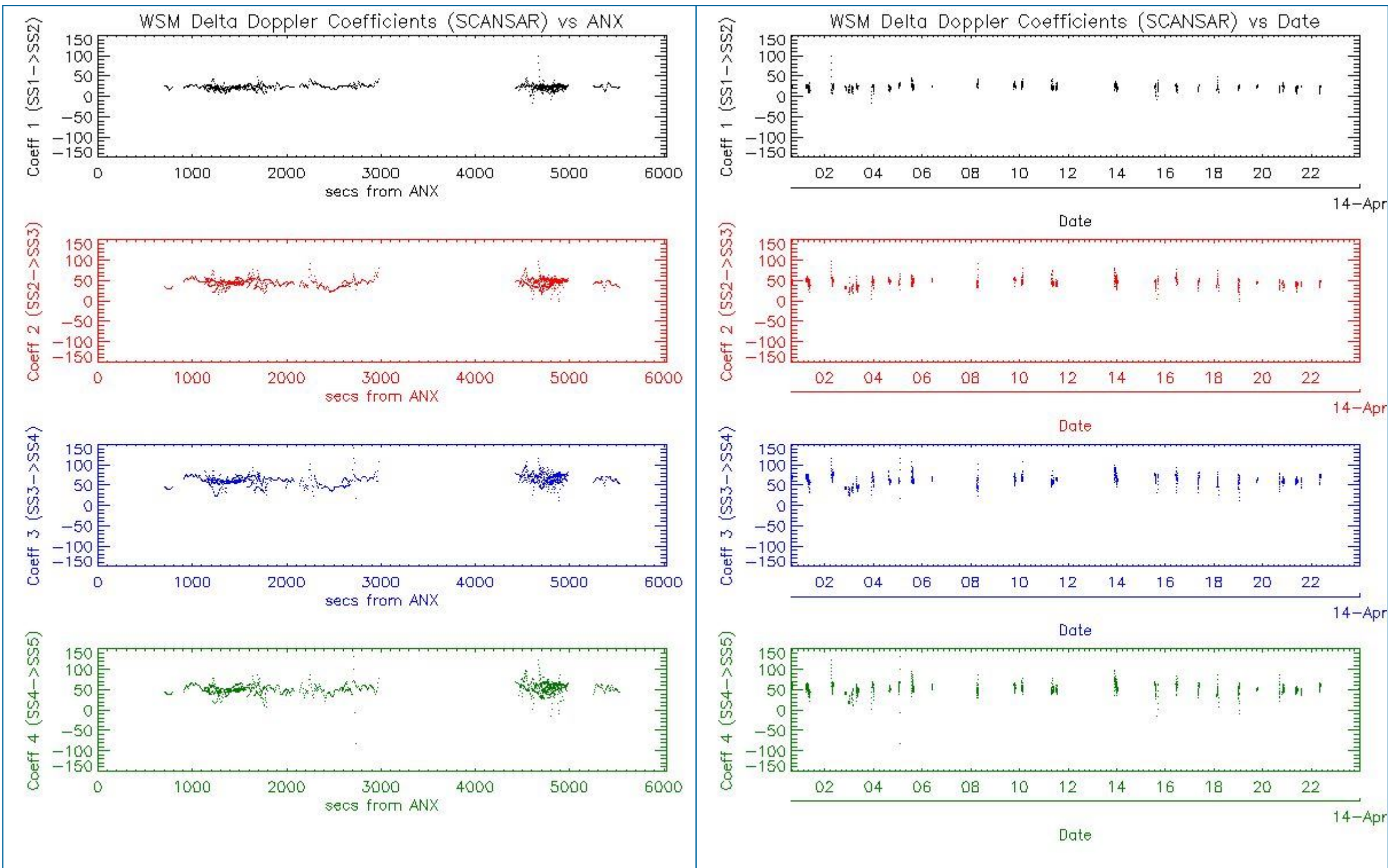




### 5.3 - Doppler JUMPS Analysis for WSM

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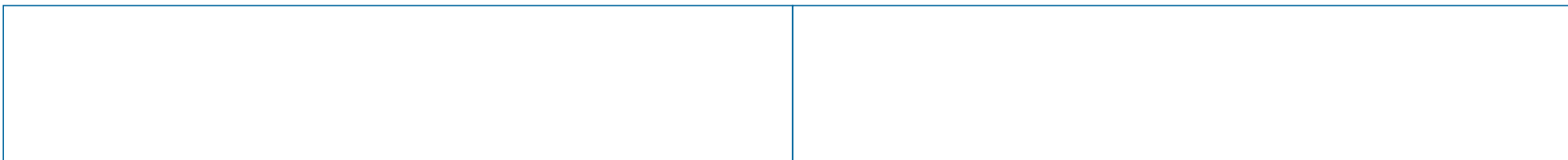


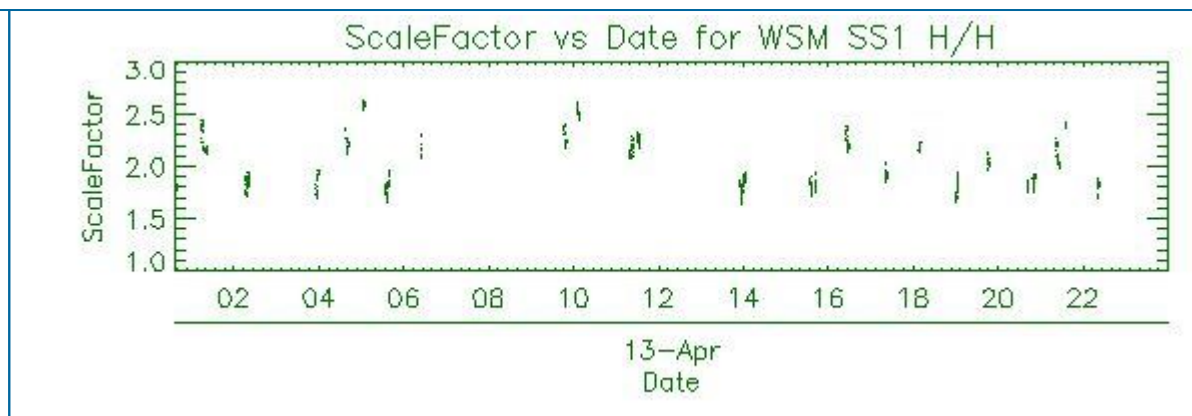
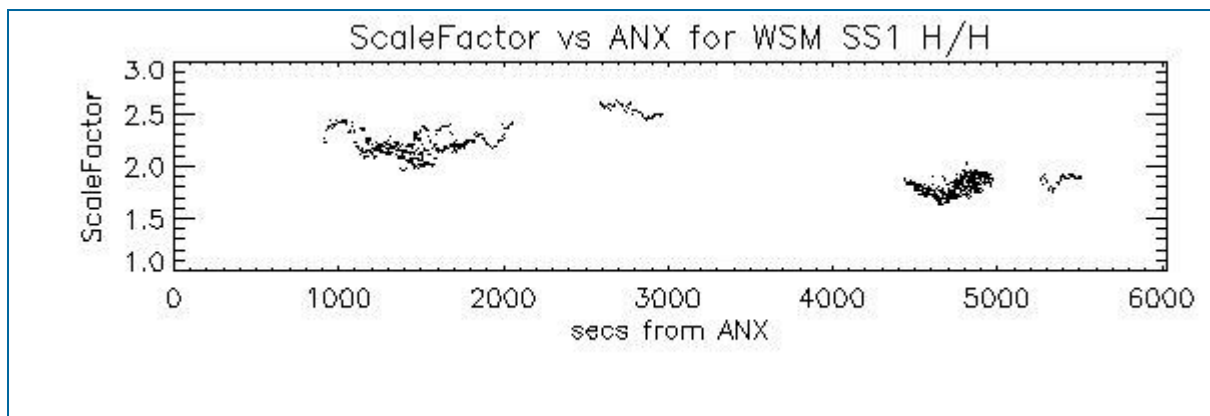
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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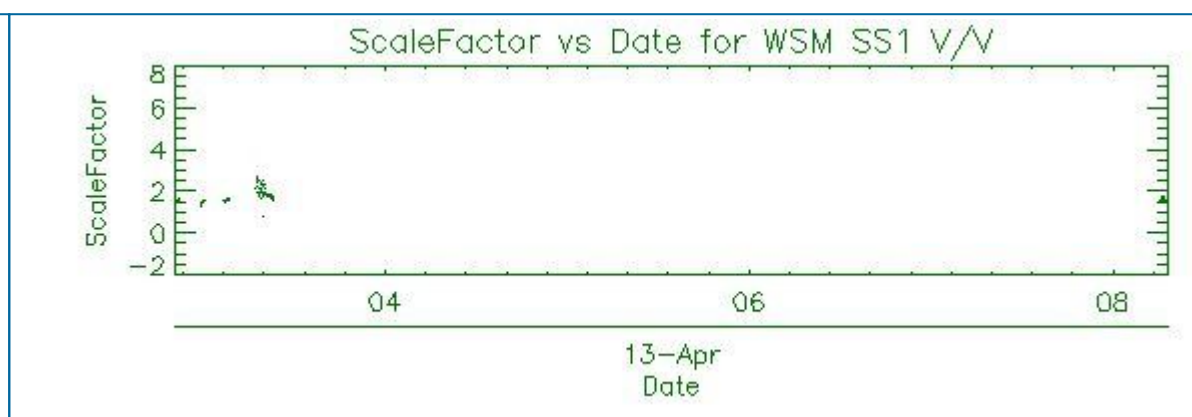
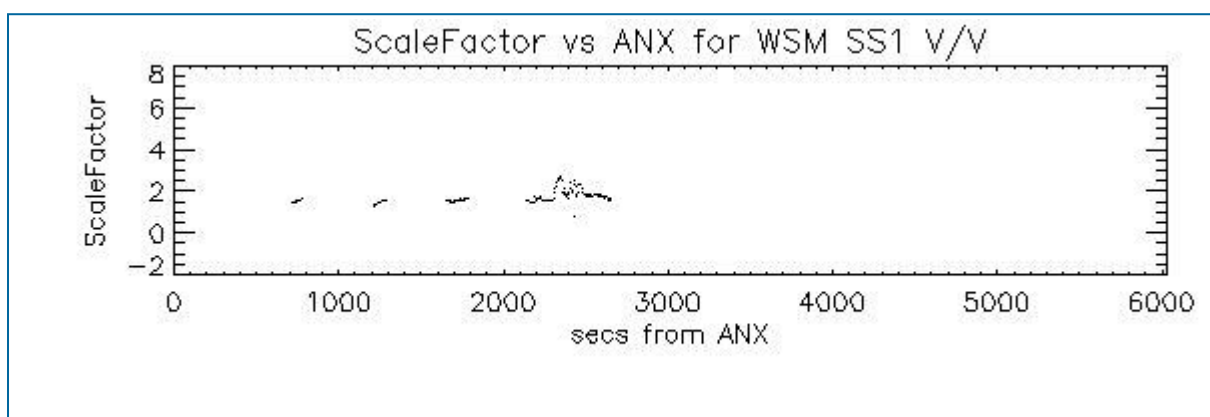




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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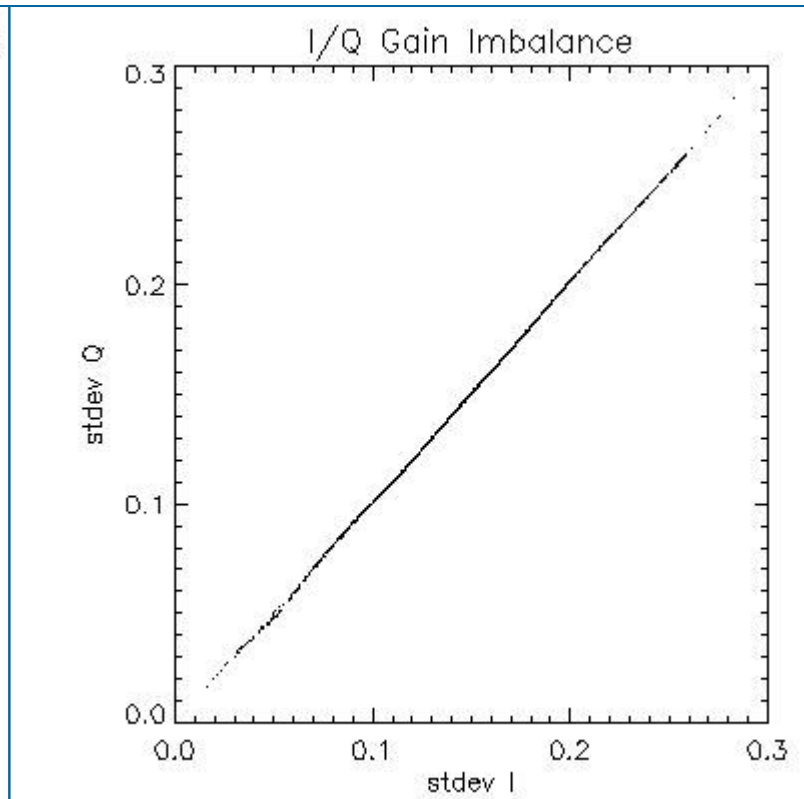
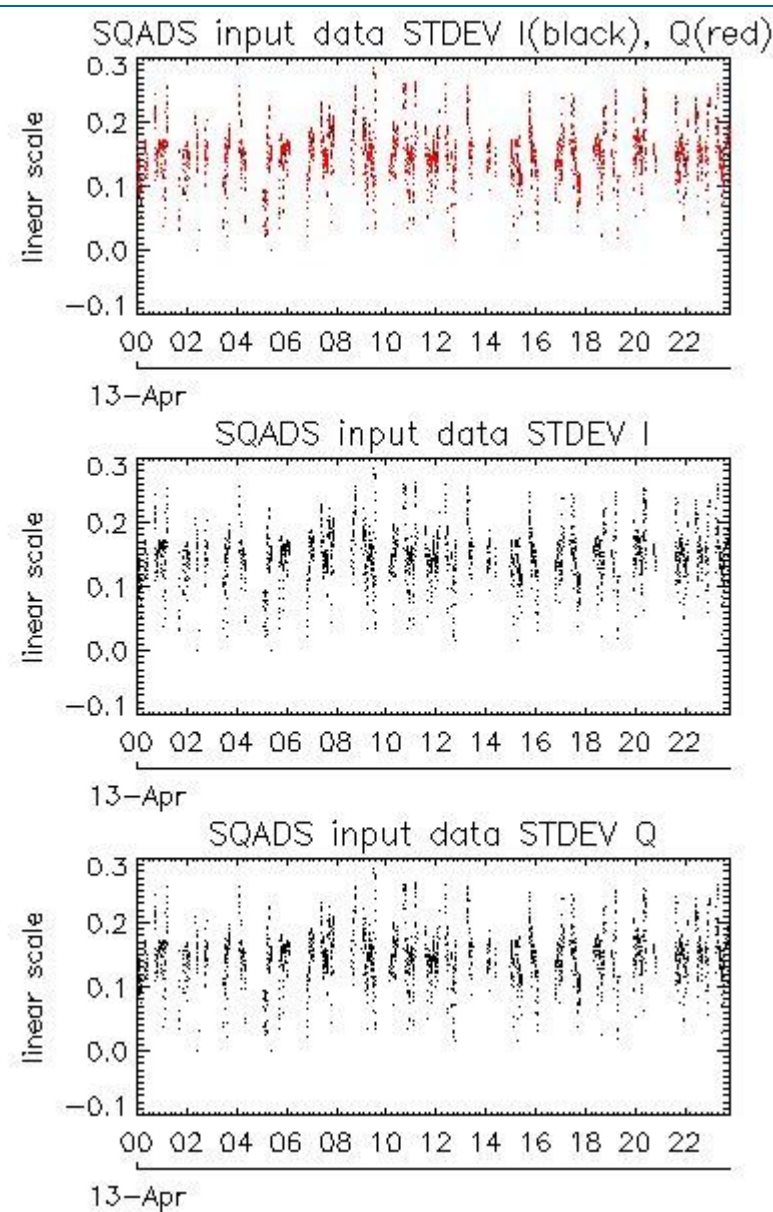
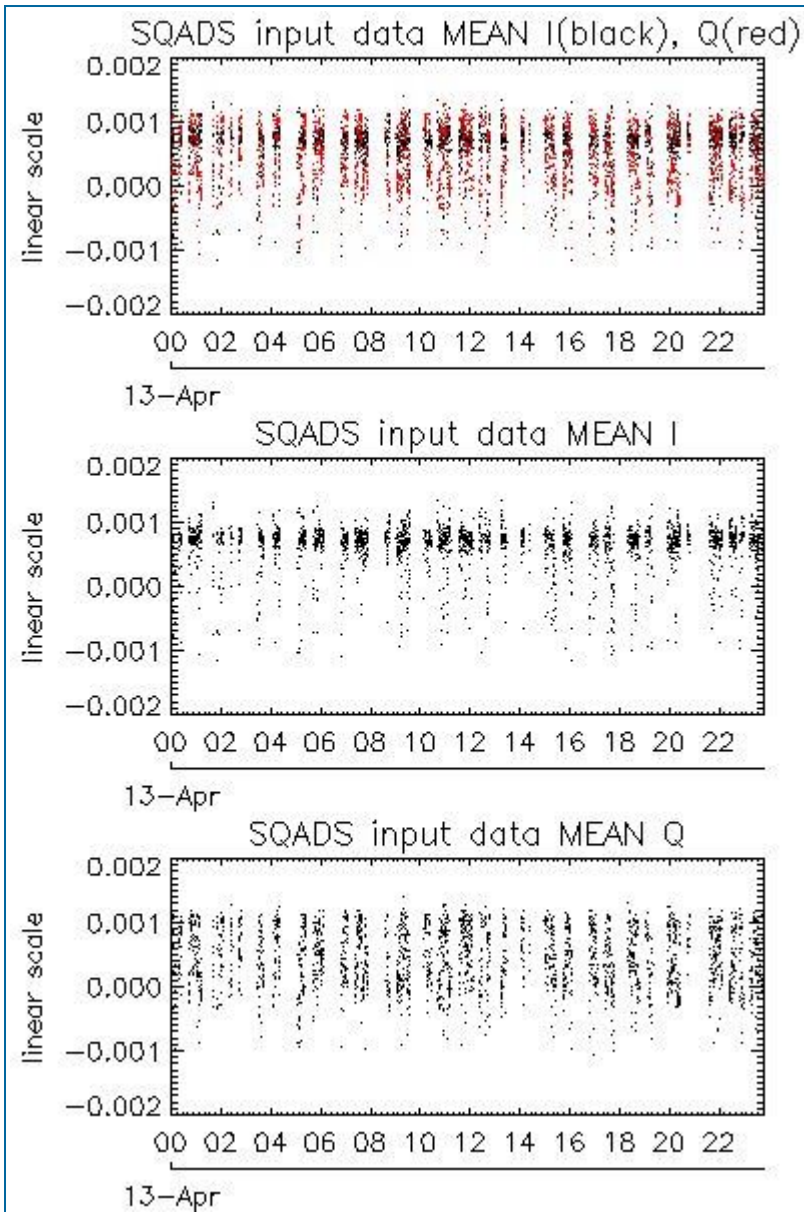
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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

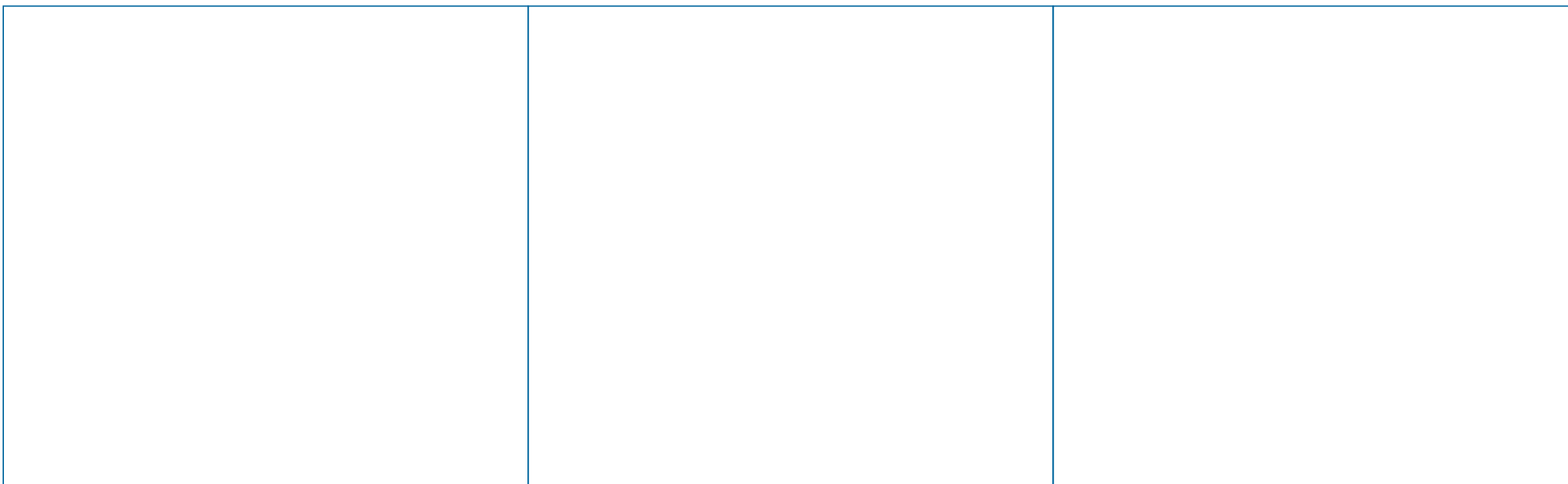


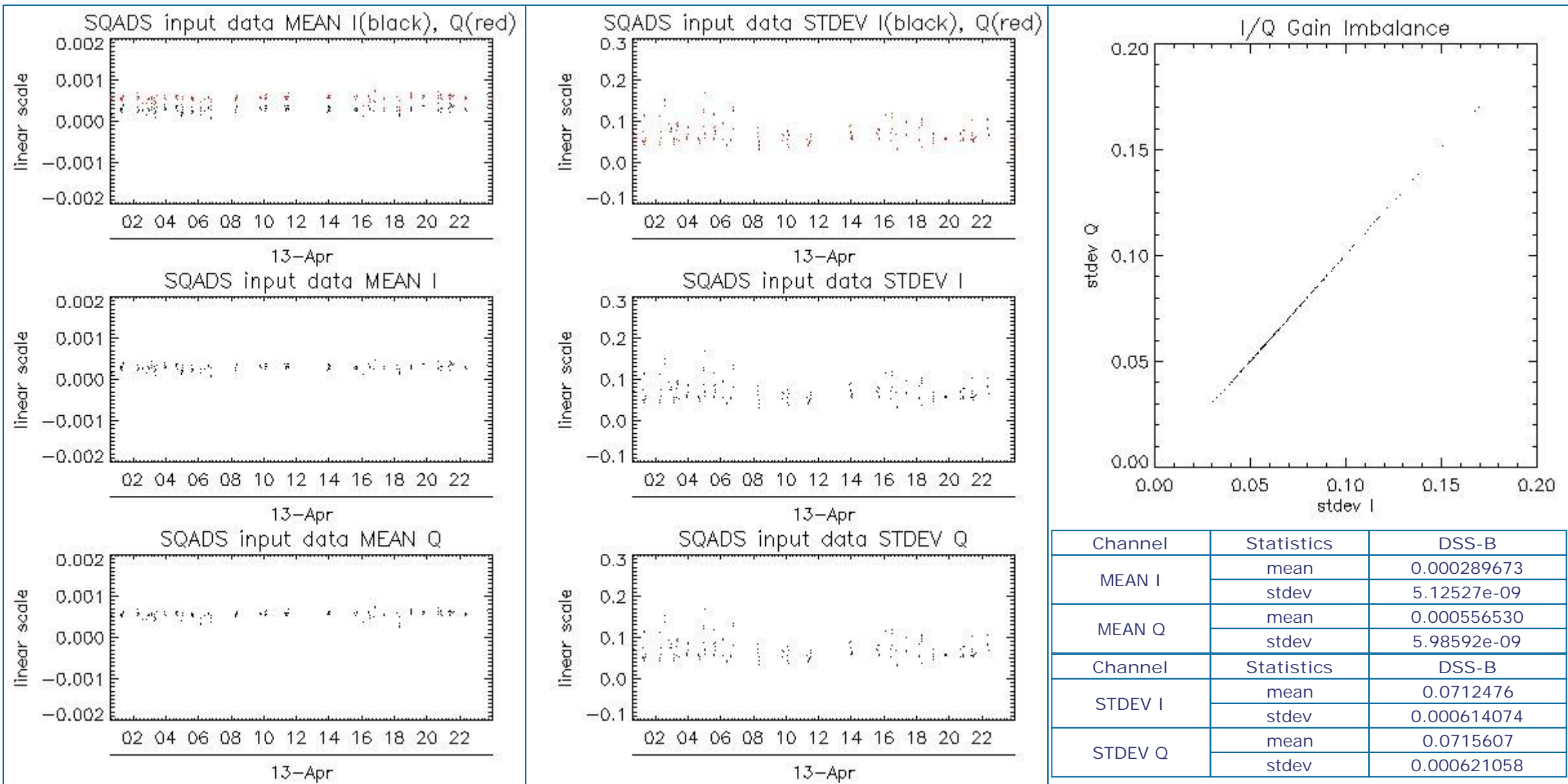


| Channel | Statistics | DSS-B       |
|---------|------------|-------------|
| MEAN I  | mean       | 0.000619887 |
|         | stdev      | 1.43546e-07 |
| MEAN Q  | mean       | 0.000456398 |
|         | stdev      | 2.20759e-07 |
| Channel | Statistics | DSS-B       |
| STDEV I | mean       | 0.149063    |
|         | stdev      | 0.00169635  |
| STDEV Q | mean       | 0.149625    |
|         | stdev      | 0.00172761  |

## 7.2 - Analysis for IMM

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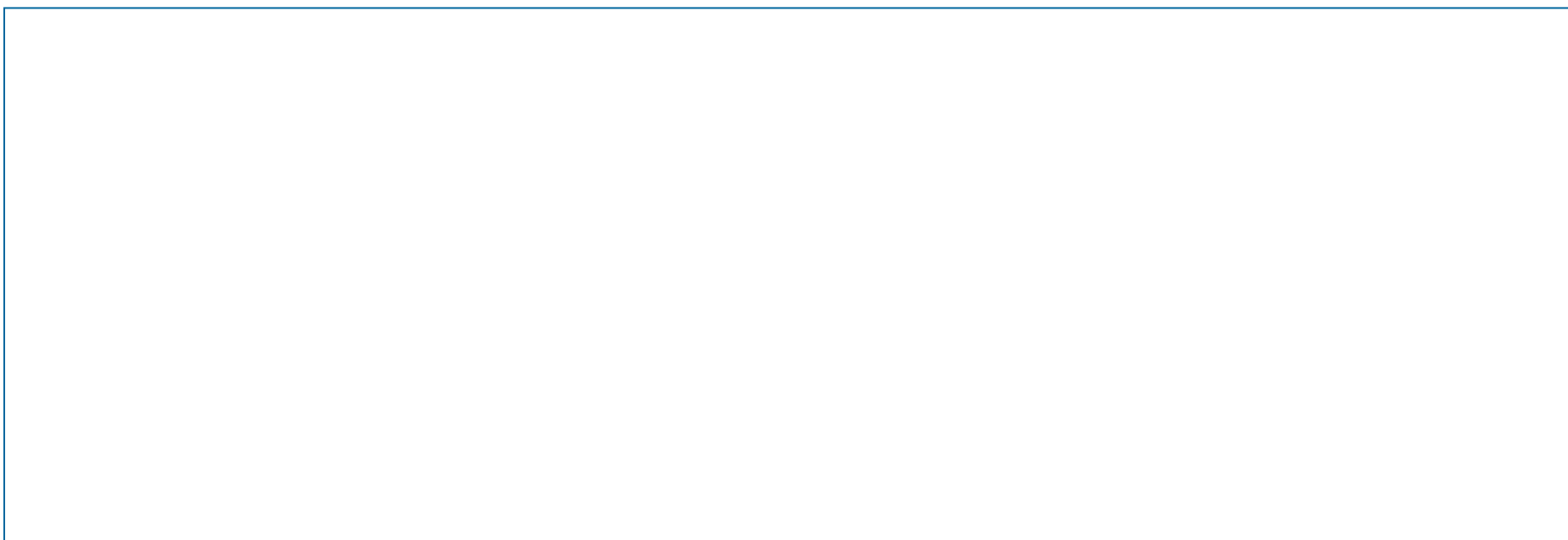


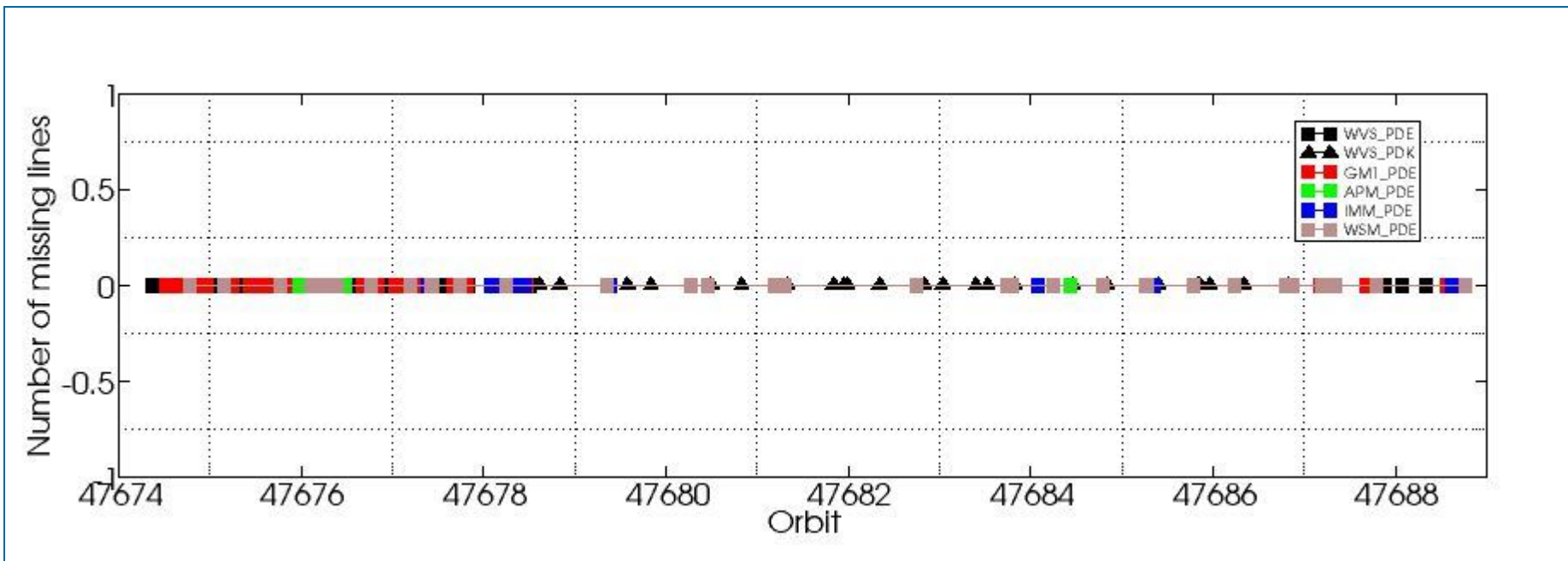


## 8 - TELEMETRY ANALYSIS

### 8.1 - Number of Missing lines

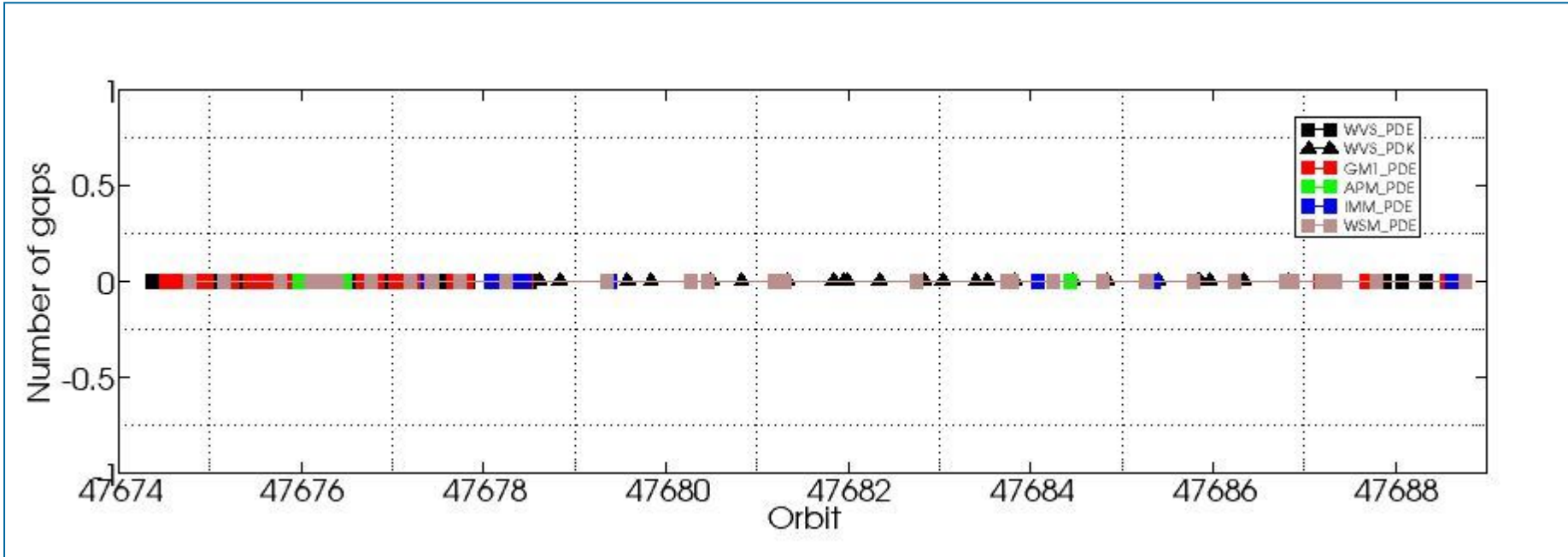
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 110413  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2011-04-13 00:00:00

Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/

DATA SUMMARY  
#####  
Summary will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_110413/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110413/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/AUXILIARY

Creating directory ./RESULTS/DAILY/\_110413/AUXILIARY...

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



ADF filter 20110413\*current\_3\_IECF\_ADFs.txt  
 Found list 20110413\_030001\_current\_3\_IECF\_ADFs.txt...  
 Extracting ADFs...

ASA\_CON\_AXVIEC20101222\_141422\_20100317\_120410\_20141231\_000000  
 ASA\_INS\_AXVIEC20110124\_114858\_20101228\_112000\_20141231\_235959  
 ASA\_XCH\_AXVIEC20101222\_143057\_20020301\_000000\_20141231\_000000  
 ASA\_XCA\_AXVIEC20101111\_113830\_20100601\_000000\_20141231\_000000

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
 Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_WVS.xls...  
 Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_WVS.txt...

|  |  |
|--|--|
| ASA_WVS_1PNPDE20110413_001825_000003753101_00246_47674_2229.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2231.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2233.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_004615_000004643101_00246_47674_2243.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_005744_000009143101_00246_47674_2255.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_013907_000001643101_00247_47675_2253.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_015133_000001343101_00247_47675_2250.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_015701_000004803101_00247_47675_2248.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_022150_000001043101_00247_47675_2244.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_022250_000002703101_00247_47675_2266.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_024158_000004193101_00248_47676_2274.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_032822_000006143101_00248_47676_2277.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_033822_000002553101_00248_47676_2295.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_040601_000009743101_00248_47676_2300.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_050515_000009443101_00249_47677_2302.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_052030_000003003101_00249_47677_2314.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_054212_000015143101_00249_47677_2317.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_064932_000006293101_00250_47678_2329.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_213603_000019043101_00259_47687_2431.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_222423_000003153101_00259_47687_2433.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_222423_000003153101_00259_47687_2436.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_222853_000007793101_00259_47687_2447.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_224941_000005393101_00260_47688_2449.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_231459_000013043101_00260_47688_2451.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDE20110413_234311_000002853101_00260_47688_2454.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_065947_000003603101_00250_47678_9462.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_072226_000019493101_00250_47678_9465.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_083716_000005253101_00251_47679_9503.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_090240_000019793101_00251_47679_9505.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_100929_000010043101_00252_47680_9539.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_104245_000018443101_00252_47680_9542.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_113348_000019643101_00253_47681_9577.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_122259_000004053101_00253_47681_9579.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_123440_000001043101_00253_47681_9578.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_123908_000005703101_00253_47681_9585.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_131347_000008543101_00254_47682_9615.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_140313_000004353101_00254_47682_9618.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_142320_000000743101_00255_47683_9620.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_145930_000004643101_00255_47683_9632.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_151232_000008543101_00255_47683_9635.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_154327_000013343101_00255_47683_9638.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_164649_000012143101_00256_47684_9670.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_172347_000013943101_00256_47684_9672.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_182102_000015743101_00257_47685_9701.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_190355_00000603101_00257_47685_9700.N1  | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_190650_000004203101_00257_47685_9703.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_191732_000001643101_00257_47685_9707.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20110413_195449_000019643101_00258_47686_9735.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |



ASA\_WVS\_1PNPDK20110413\_204409\_000002403101\_00258\_47686\_9738.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_GM1.xls...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_GM1.txt...

ASA\_GM1\_1PNPDE20110413\_000933\_000005313101\_00246\_47674\_2228.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_002528\_000006713101\_00246\_47674\_2230.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_004018\_000000663101\_00246\_47674\_2232.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_004018\_000000663101\_00246\_47674\_2234.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_005448\_000001753101\_00246\_47674\_2256.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_012336\_000009303101\_00247\_47675\_2254.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_014248\_000005253101\_00247\_47675\_2252.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_015429\_000001503101\_00247\_47675\_2249.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_020542\_000006283101\_00247\_47675\_2245.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_022804\_000000663101\_00247\_47675\_2268.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_022919\_000003983101\_00247\_47675\_2267.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_023702\_000002953101\_00247\_47675\_2265.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_025209\_000004103101\_00248\_47676\_2273.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_030040\_000003383101\_00248\_47676\_2275.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_030901\_000004893101\_00248\_47676\_2276.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_032328\_000002233101\_00248\_47676\_2278.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_034616\_000005553101\_00248\_47676\_2296.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_040249\_000001873101\_00248\_47676\_2298.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_042254\_000000903101\_00249\_47677\_2297.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_042542\_000007313101\_00249\_47677\_2299.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_044233\_000008883101\_00249\_47677\_2303.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_052612\_000004593101\_00249\_47677\_2315.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_054035\_000000903101\_00249\_47677\_2323.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_061111\_000007313101\_00250\_47678\_2322.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_062536\_000007073101\_00250\_47678\_2320.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_063910\_000003143101\_00250\_47678\_2319.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_064710\_000001383101\_00250\_47678\_2330.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_211903\_000000963101\_00259\_47687\_2430.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_212720\_000004283101\_00259\_47687\_2432.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_220830\_000006773101\_00259\_47687\_2437.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_233731\_000002113101\_00260\_47688\_2452.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20110413\_234845\_000005733101\_00260\_47688\_2455.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_APM.txt...

ASA\_APM\_1PNPDE20110413\_023559\_000000453101\_00247\_47675\_2262.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_APM\_1PNPDE20110413\_032709\_000000563101\_00248\_47676\_2272.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_APM\_1PNPDE20110413\_050109\_000000433101\_00249\_47677\_2292.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_APM\_1PNPDE20110413\_164502\_000001003101\_00256\_47684\_2421.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing IMM products...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA\_IMM\_1PNPDE20110413\_045719\_000001583101\_00249\_47677\_2293.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_IMM\_1PNPDE20110413\_060808\_000001723101\_00250\_47678\_2321.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_IMM\_1PNPDE20110413\_063723\_000000973101\_00250\_47678\_2312.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_IMM\_1PNPDE20110413\_064419\_000001643101\_00250\_47678\_2313.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK



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ASA_IMM_1PNPDE20110413_081833_000002143101_00251_47679_2352.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110413_160758_000000373101_00256_47684_2418.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110413_181623_000002583101_00257_47685_2425.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110413_234228_000000353101_00260_47688_2465.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing WSM products...

Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_WSM.xls...  
Writing file ./RESULTS/DAILY/\_110413/AUXILIARY/Check\_ADFs\_WSM.txt...

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ASA_WSM_1PNPDE20110413_003642_000002143101_00246_47674_2220.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_011344_000005873101_00247_47675_2251.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_021619_000003303101_00247_47675_2247.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_025035_000000923101_00248_47676_2271.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_025904_000000923101_00248_47676_2270.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_030623_000001473101_00248_47676_2269.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_031712_000003733101_00248_47676_2264.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_035538_000003303101_00248_47676_2290.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_043758_000002693101_00249_47677_2291.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_050211_000001533101_00249_47677_2294.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_053357_000003923101_00249_47677_2316.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_062327_000001223101_00250_47678_2318.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_081510_000001903101_00251_47679_2351.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_094612_000002513101_00252_47680_2372.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_100459_000002693101_00252_47680_2374.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_111854_000001903101_00253_47681_2378.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_112231_000001773101_00253_47681_2375.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_113027_000001903101_00253_47681_2376.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_135436_000005143101_00254_47682_2416.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_153419_000001903101_00255_47683_2417.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_154034_000001533101_00255_47683_2415.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_162457_000002693101_00256_47684_2420.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_172016_000002143101_00256_47684_2419.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_180721_000000733101_00257_47685_2422.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_180907_000001043101_00257_47685_2424.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_185853_000003003101_00257_47685_2423.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_194359_000002453101_00258_47686_2429.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_204039_000001533101_00258_47686_2426.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_204847_000002753101_00258_47686_2427.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_212045_000003923101_00259_47687_2441.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_213433_000000923101_00259_47687_2442.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_221948_000002143101_00259_47687_2428.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110413_235824_000002813101_00260_47688_2446.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_110413/MODULE\_STEPPING...  
Creating directory ./RESULTS/DAILY/\_110413/MODULE\_STEPPING/FIRST\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...  
Deleting old files...

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Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1  
Test product: ASA\_MS\_\_0PNPDK20110413\_120705\_000000163101\_00253\_47681\_0531.N1  
H  
H  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20110413\_120705-20010209\_135042.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20110413\_120705-20010209\_135042.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20110413\_120705-20010209\_135042.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20110413\_120705-20010209\_135042.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1  
Test product: ASA\_MS\_\_0PNPDK20110413\_134719\_000000163101\_00254\_47682\_0532.N1  
V  
V  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20110413\_134719-20010209\_140823.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20110413\_134719-20010209\_140823.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20110413\_134719-20010209\_140823.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20110413\_134719-20010209\_140823.png

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

Exporting results to the directory ../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20110412\_124349\_000000163101\_00239\_47667\_0529.N1  
Test product: ASA\_MS\_\_0PNPDK20110413\_120705\_000000163101\_00253\_47681\_0531.N1  
H  
H  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20110413\_120705-20110412\_124349.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20110413\_120705-20110412\_124349.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20110413\_120705-20110412\_124349.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20110413\_120705-20110412\_124349.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20110412\_142403\_000000163101\_00240\_47668\_0530.N1  
Test product: ASA\_MS\_\_0PNPDK20110413\_134719\_000000163101\_00254\_47682\_0532.N1  
V  
V  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20110413\_134719-20110412\_142403.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20110413\_134719-20110412\_142403.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20110413\_134719-20110412\_142403.png  
../../RESULTS/DAILY/\_110413/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20110413\_134719-20110412\_142403.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES...

\*\*\*\*\*  
\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59

Analysing products WVS IS2 V/V  
Writing image ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
Writing image ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...



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TEMPORAL EVOLUTION Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-04-13\_1.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-04-13\_2.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-04-13\_3.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-04-13\_4.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_4.png...

Analysing products GM1 SS3 H/H

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-04-13\_1.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-04-13\_2.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-04-13\_3.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_110413/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-04-13\_4.dat...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/\_110413//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed

#####

DOPPLER ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_110413/DOPPLER...

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

DOPPLER ANX Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...

Writing file ./RESULTS/DAILY/\_110413/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2011-04-13.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110413/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...

Writing file ./RESULTS/DAILY/\_110413/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2011-04-13.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110413/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-04-13 00:00:00 to 2011-04-13 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...

Writing file ./RESULTS/DAILY/\_110413/DOPPLER/Doppler\_Jumps\_data\_WSM\_2011-04-13.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110413/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...

Writing file ../../RESULTS/DAILY/\_110413/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

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

DOPPLER MAP Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 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 = -82.534114 Hz

Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -66.380319 Hz

Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../../RESULTS/DAILY/\_110413//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 = -52.506916 Hz

Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -51.203761 Hz  
Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...  
Writing file ../../RESULTS/DAILY/\_110413//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed  
#####

CHIRP ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_110413/CHIRP...

\*\*\*\*\*  
\*\*\*\*\*  
CHIRP Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59

Analysing products WSM SS1 H/H  
\*\*\*\*\*  
Getting ScaleFactor data for WSM SS1 H/H from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_data\_WSM\_SS1\_HH\_2011-04-13.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_HH.png...  
Writing file ../../RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_HH.png...

Analysing products WSM SS1 V/V  
\*\*\*\*\*  
Getting ScaleFactor data for WSM SS1 V/V from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_data\_WSM\_SS1\_VV\_2011-04-13.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_VV.png...  
Writing file ../../RESULTS/DAILY/\_110413/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_VV.png...

CHIRP ANALYSIS completed  
#####

RAW DATA ANALYSIS  
#####  
Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/RAW\_DATA

Creating directory ./RESULTS/DAILY/\_110413/RAW\_DATA...

\*\*\*\*\*  
Getting raw data for WVS from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_WVS\_2011-04-13.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

\*\*\*\*\*  
Getting raw data for IMM from 2011-04-13 00:00:00 to 2011-04-13 23:59:59...  
Writing file ./RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_IMM\_2011-04-13.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...

Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_110413/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2011-04-13 00:00:00 to 2011-04-13 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110413/TELEMETRY

Creating directory ./RESULTS/DAILY/\_110413/TELEMETRY...

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

\*\*\*\*\*

Checking 26 products from PDE...

Checking 24 products from PDK...

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

\*\*\*\*\*

Checking 32 products from PDE...

No 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 8 products from PDE...

No products from PDK...

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

\*\*\*\*\*

Checking 33 products from PDE...

No products from PDK...

Creating graph of missing lines and gaps...

\*\*\*\*\*

Creating image: ./RESULTS/DAILY/\_110413/TELEMETRY/TELEMETRY\_Missing\_lines.png...

Creating image: ./RESULTS/DAILY/\_110413/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed

#####

HTML REPORT generation

#####

Building file ./RESULTS/DAILY/\_110413/asarReport.html...

Building DATA SUMMARY section...

Building AUXILIARY FILES ANALYSIS section...

Building MODULE STEPPING ANALYSIS section...

Building CALIBRATION PULSES ANALYSIS section...

Building DOPPLER ANALYSIS section...

Building CHIRP ANALYSIS section...

Building RAW DATA ANALYSIS section...

Building TELEMETRY ANALYSIS section...

HTML REPORT generation completed

#####





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

| Product  | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|--|---------|---------|---------|---------|
| ASA_APM_1PNPDE20110413_023559_000000453101_00247_47675_2262.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20110413_032709_000000563101_00248_47676_2272.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20110413_050109_000000433101_00249_47677_2292.N1 | OK      | OK      | OK      | OK      |
| ASA_APM_1PNPDE20110413_164502_000001003101_00256_47684_2421.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_1PNPDE20110413_000933_000005313101_00246_47674_2228.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_002528_000006713101_00246_47674_2230.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_004018_000000663101_00246_47674_2232.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_004018_000000663101_00246_47674_2234.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_005448_000001753101_00246_47674_2256.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_012336_000009303101_00247_47675_2254.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_014248_000005253101_00247_47675_2252.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_015429_000001503101_00247_47675_2249.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_020542_000006283101_00247_47675_2245.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_022804_000000663101_00247_47675_2268.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_022919_000003983101_00247_47675_2267.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_023702_000002953101_00247_47675_2265.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_025209_000004103101_00248_47676_2273.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_030040_000003383101_00248_47676_2275.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_030901_000004893101_00248_47676_2276.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_032328_000002233101_00248_47676_2278.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_034616_000005553101_00248_47676_2296.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_040249_000001873101_00248_47676_2298.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_042254_000000903101_00249_47677_2297.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_042542_000007313101_00249_47677_2299.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_044233_000008883101_00249_47677_2303.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_052612_000004593101_00249_47677_2315.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_054035_000000903101_00249_47677_2323.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_061111_000007313101_00250_47678_2322.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_062536_000007073101_00250_47678_2320.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_063910_000003143101_00250_47678_2319.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_064710_000001383101_00250_47678_2330.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_211903_000000963101_00259_47687_2430.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_212720_000004283101_00259_47687_2432.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_220830_000006773101_00259_47687_2437.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_233731_000002113101_00260_47688_2452.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_GM1_1PNPDE20110413_234845_000005733101_00260_47688_2455.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_1PNPDE20110413_045719_000001583101_00249_47677_2293.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_060808_000001723101_00250_47678_2321.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_063723_000000973101_00250_47678_2312.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_064419_000001643101_00250_47678_2313.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_081833_000002143101_00251_47679_2352.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_160758_000000373101_00256_47684_2418.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_181623_000002583101_00257_47685_2425.N1 | OK      | OK      | OK      | OK      |
| ASA_IMM_1PNPDE20110413_234228_000000353101_00260_47688_2465.N1 | OK      | OK      | OK      | OK      |

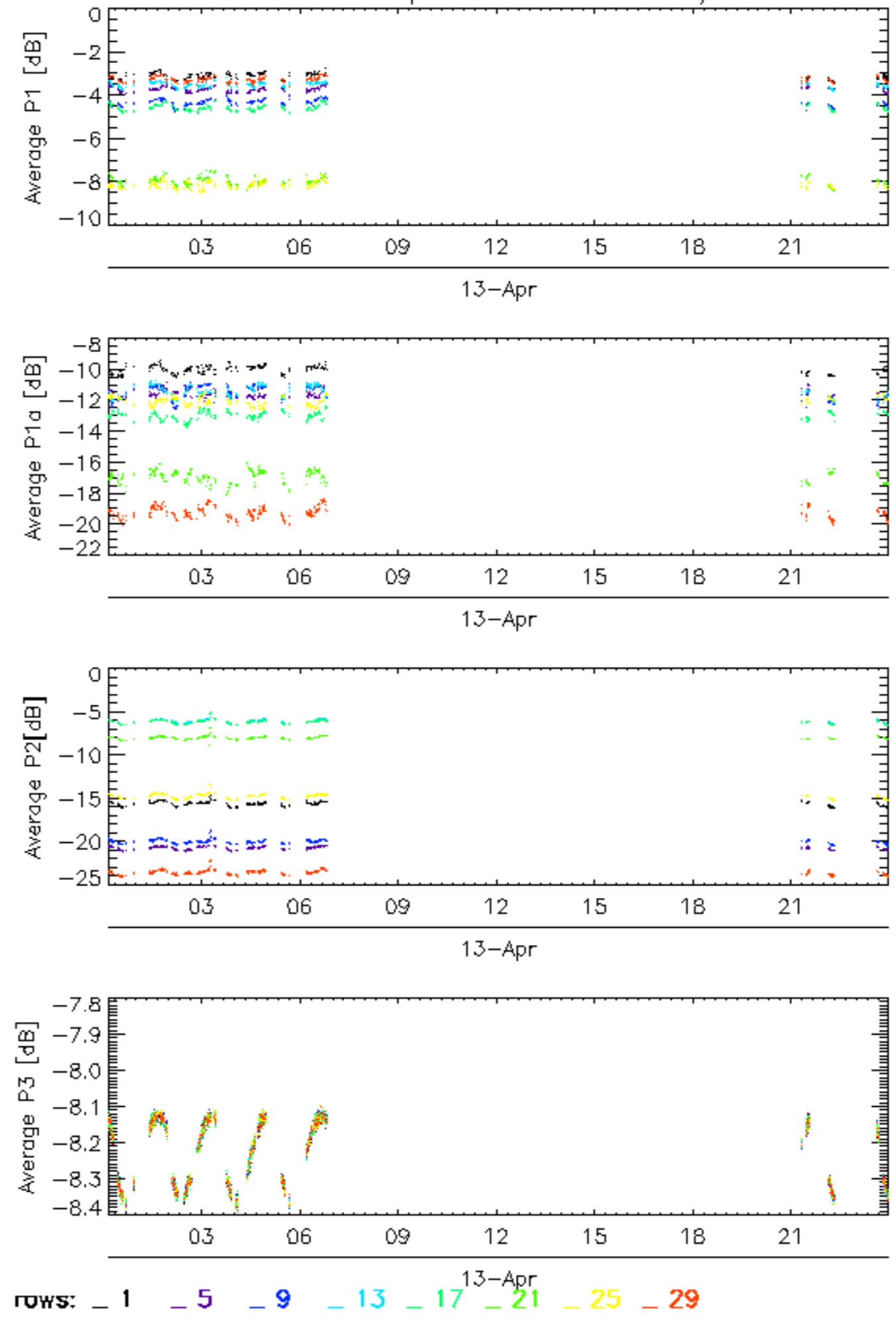
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

| Product  | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |    |    |    |    |
|--|---------|---------|---------|---------|----|----|----|----|
| ASA_WSM_1PNPDE20110413_003642_000002143101_00246_47674_2220.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_011344_000005873101_00247_47675_2251.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_021619_000003303101_00247_47675_2247.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_025035_000000923101_00248_47676_2271.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_025904_000000923101_00248_47676_2270.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_030623_000001473101_00248_47676_2269.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_031712_000003733101_00248_47676_2264.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_035538_000003303101_00248_47676_2290.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_043758_000002693101_00249_47677_2291.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_050211_000001533101_00249_47677_2294.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_053357_000003923101_00249_47677_2316.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_062327_000001223101_00250_47678_2318.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_081510_000001903101_00251_47679_2351.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_094612_000002513101_00252_47680_2372.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_100459_000002693101_00252_47680_2374.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_111854_000001903101_00253_47681_2378.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_112231_000001773101_00253_47681_2375.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_113027_000001903101_00253_47681_2376.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_135436_000005143101_00254_47682_2416.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_153419_000001903101_00255_47683_2417.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_154034_000001533101_00255_47683_2415.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_162457_000002693101_00256_47684_2420.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_172016_000002143101_00256_47684_2419.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_180721_000000733101_00257_47685_2422.N1 |         |         |         |         | OK | OK | OK | OK |
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| ASA_WSM_1PNPDE20110413_194359_000002453101_00258_47686_2429.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_204039_000001533101_00258_47686_2426.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_204847_000002753101_00258_47686_2427.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_212045_000003923101_00259_47687_2441.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_213433_000000923101_00259_47687_2442.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20110413_221948_000002143101_00259_47687_2428.N1 |         |         |         |         | OK | OK | OK | OK |
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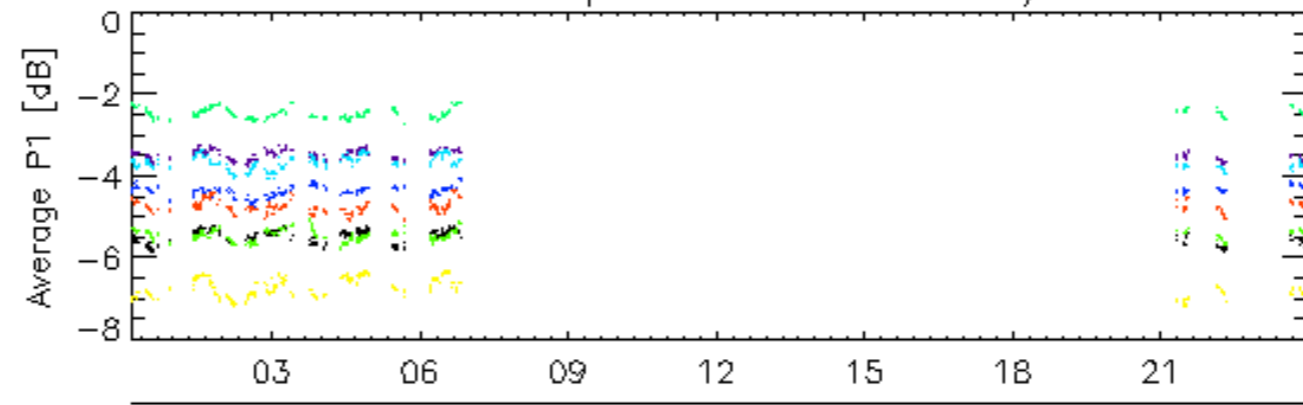
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

| Product  | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |    |    |    |    |
|--|---------|---------|---------|---------|----|----|----|----|
| ASA_WVS_1PNPDE20110413_001825_000003753101_00246_47674_2229.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2231.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2233.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_004615_000004643101_00246_47674_2243.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_005744_000009143101_00246_47674_2255.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_013907_000001643101_00247_47675_2253.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_015133_000001343101_00247_47675_2250.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_015701_000004803101_00247_47675_2248.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_022150_000001043101_00247_47675_2244.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_022250_000002703101_00247_47675_2266.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_024158_000004193101_00248_47676_2274.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_032822_000006143101_00248_47676_2277.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_033822_000002553101_00248_47676_2295.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_040601_000009743101_00248_47676_2300.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_050515_000009443101_00249_47677_2302.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_052030_000003003101_00249_47677_2314.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_054212_000015143101_00249_47677_2317.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_064932_000006293101_00250_47678_2329.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_213603_000019043101_00259_47687_2431.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_222423_000003153101_00259_47687_2433.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_222423_000003153101_00259_47687_2436.N1 |         |         |         |         | OK | OK | OK | OK |
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| ASA_WVS_1PNPDE20110413_224941_000005393101_00260_47688_2449.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDE20110413_231459_000013043101_00260_47688_2451.N1 |         |         |         |         | OK | OK | OK | OK |
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| ASA_WVS_1PNPDK20110413_065947_000003603101_00250_47678_9462.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_072226_000019493101_00250_47678_9465.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_083716_000005253101_00251_47679_9503.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_090240_000019793101_00251_47679_9505.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_100929_000010043101_00252_47680_9539.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_104245_000018443101_00252_47680_9542.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_113348_000019643101_00253_47681_9577.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_122259_000004053101_00253_47681_9579.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_123440_000001043101_00253_47681_9578.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_123908_000005703101_00253_47681_9585.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_131347_000008543101_00254_47682_9615.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_140313_000004353101_00254_47682_9618.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_142320_000000743101_00255_47683_9620.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_145930_000004643101_00255_47683_9632.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_151232_000008543101_00255_47683_9635.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_154327_000013343101_00255_47683_9638.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_164649_000012143101_00256_47684_9670.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_172347_000013943101_00256_47684_9672.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_182102_000015743101_00257_47685_9701.N1 |         |         |         |         | OK | OK | OK | OK |
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| ASA_WVS_1PNPDK20110413_190650_000004203101_00257_47685_9703.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_191732_000001643101_00257_47685_9707.N1 |         |         |         |         | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20110413_195449_000019643101_00258_47686_9735.N1 |         |         |         |         | OK | OK | OK | OK |
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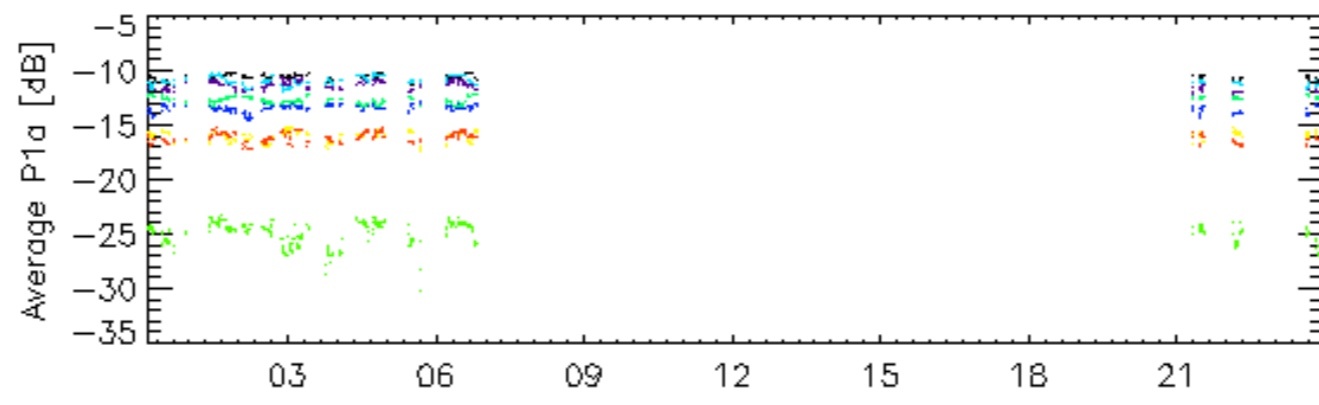
Calibration pulses for GM1 SS3 H/H



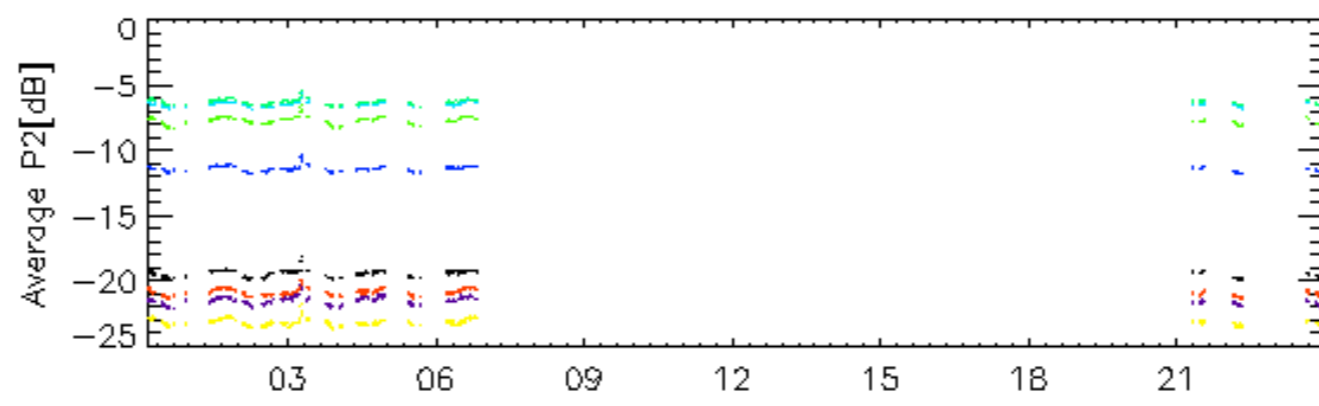
Calibration pulses for GM1 SS3 H/H



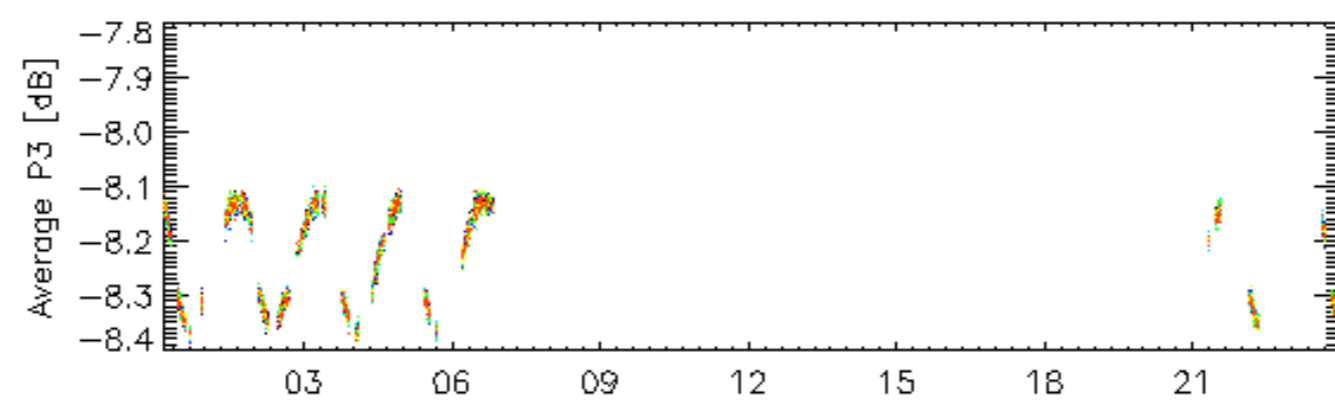
13-Apr



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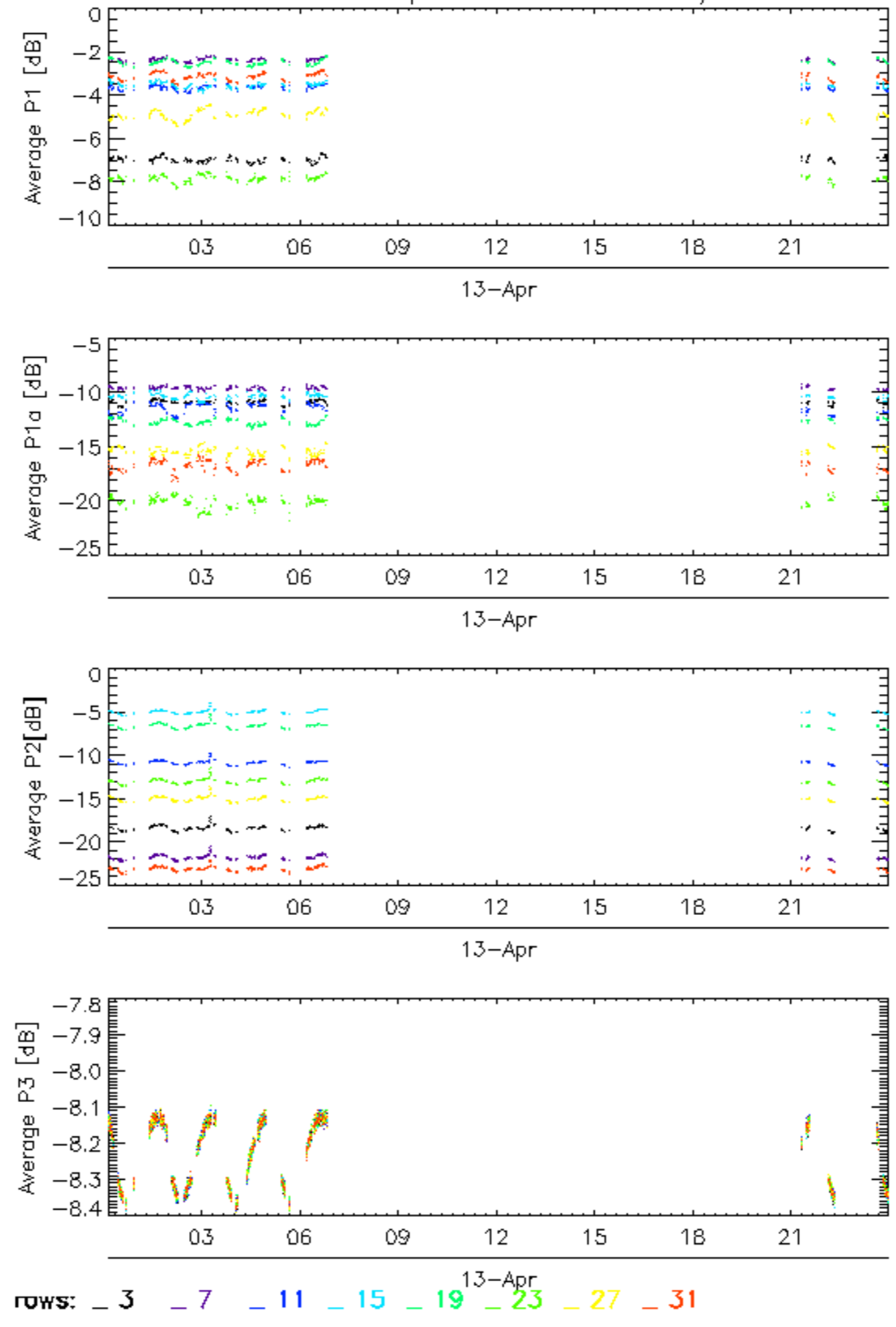
13-Apr



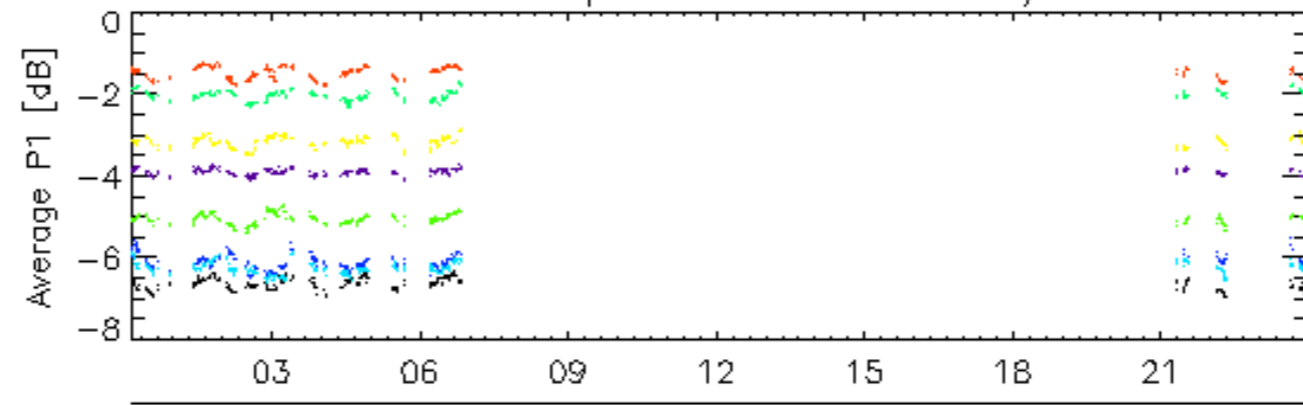
13-Apr

rows: \_ 2 \_ 6 \_ 10 \_ 14 \_ 18 \_ 22 \_ 26 \_ 30

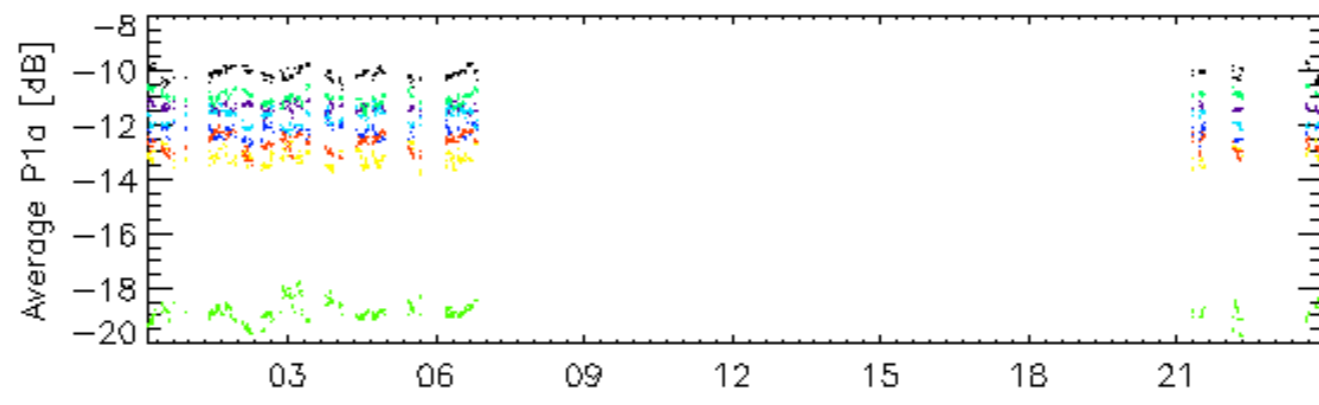
### Calibration pulses for GM1 SS3 H/H



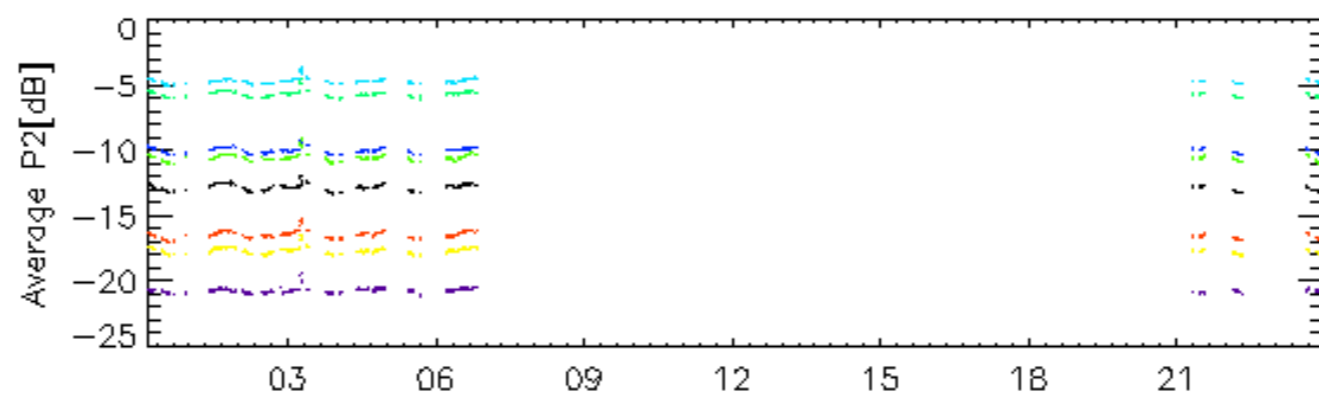
Calibration pulses for GM1 SS3 H/H



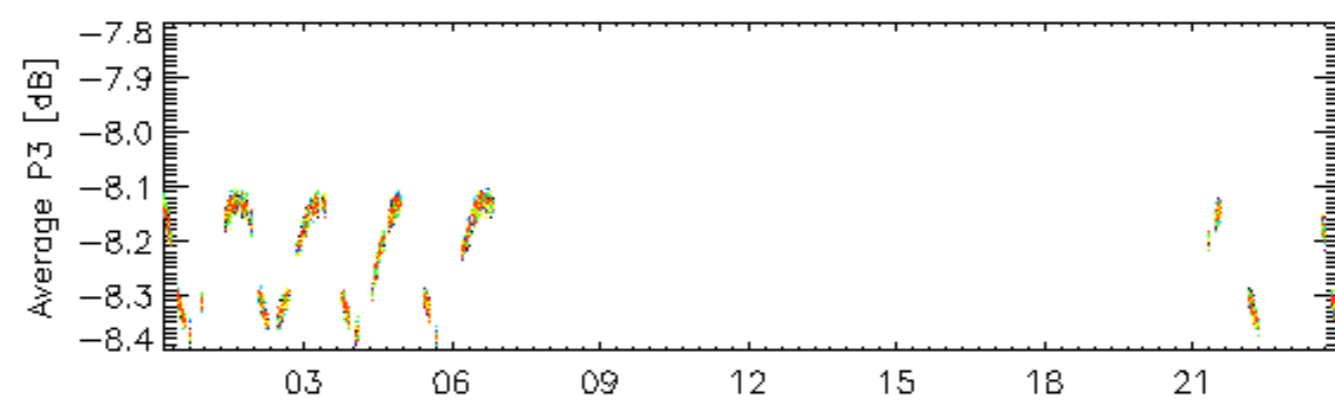
13-Apr



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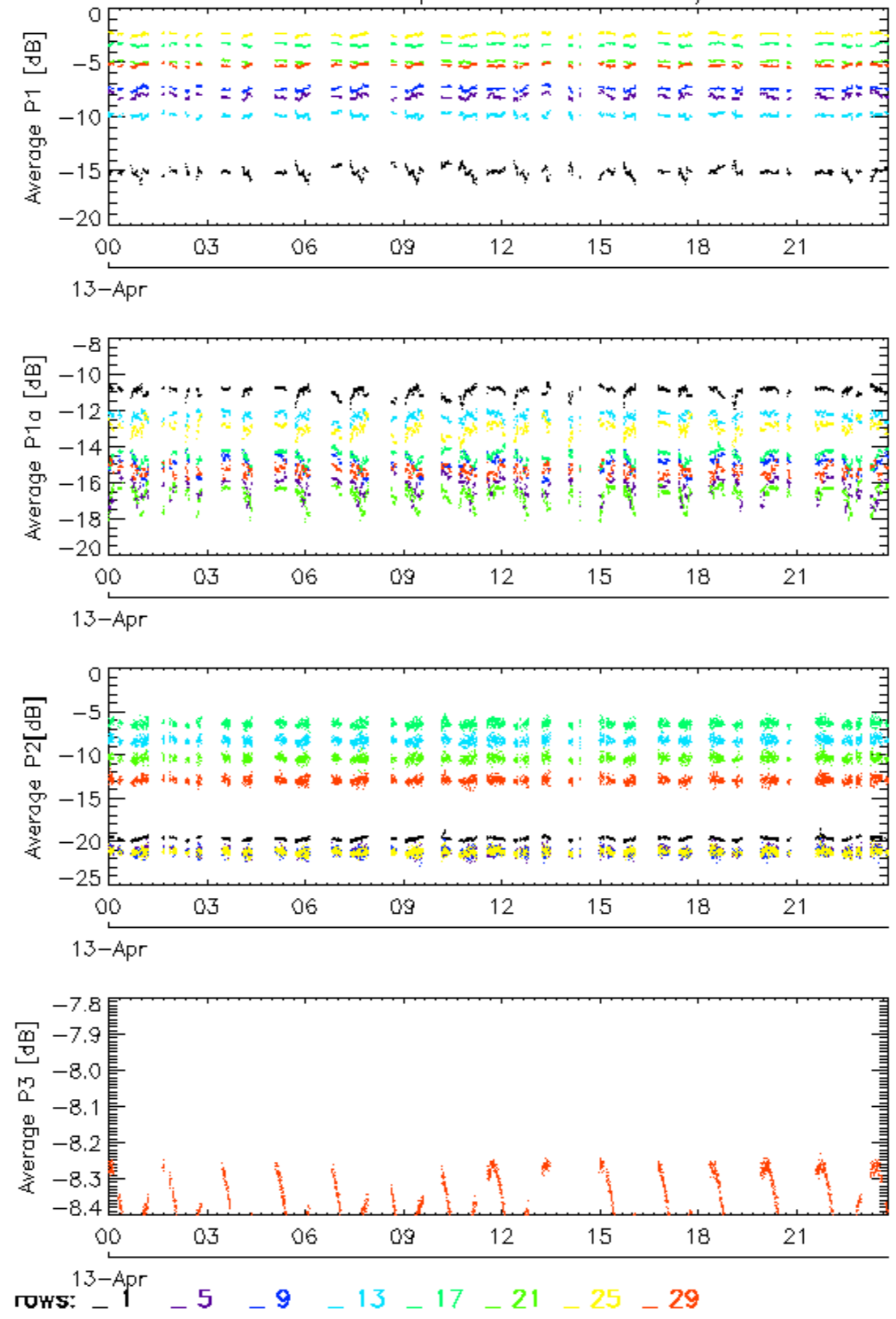
13-Apr



13-Apr

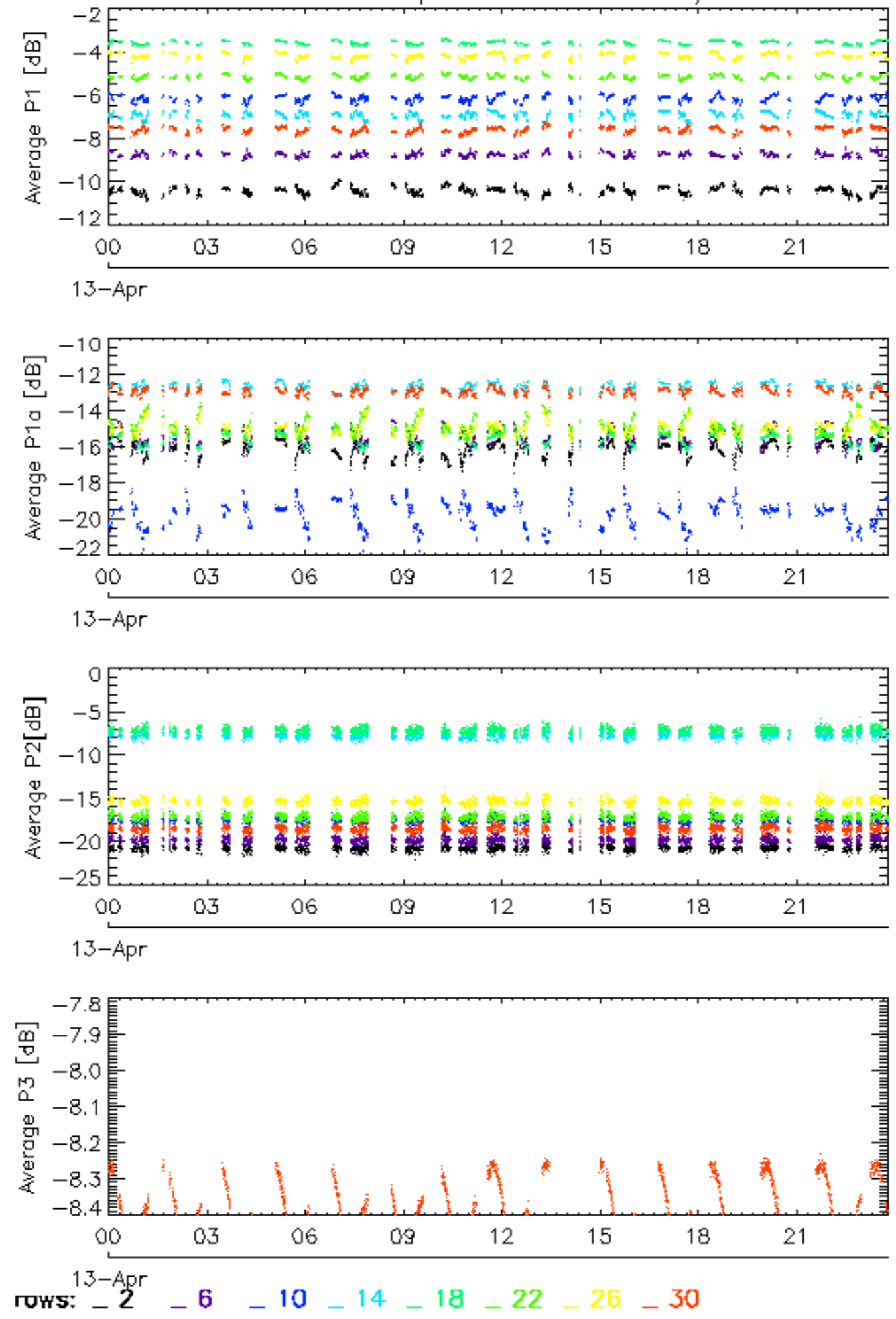
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Calibration pulses for WVS IS2 V/V

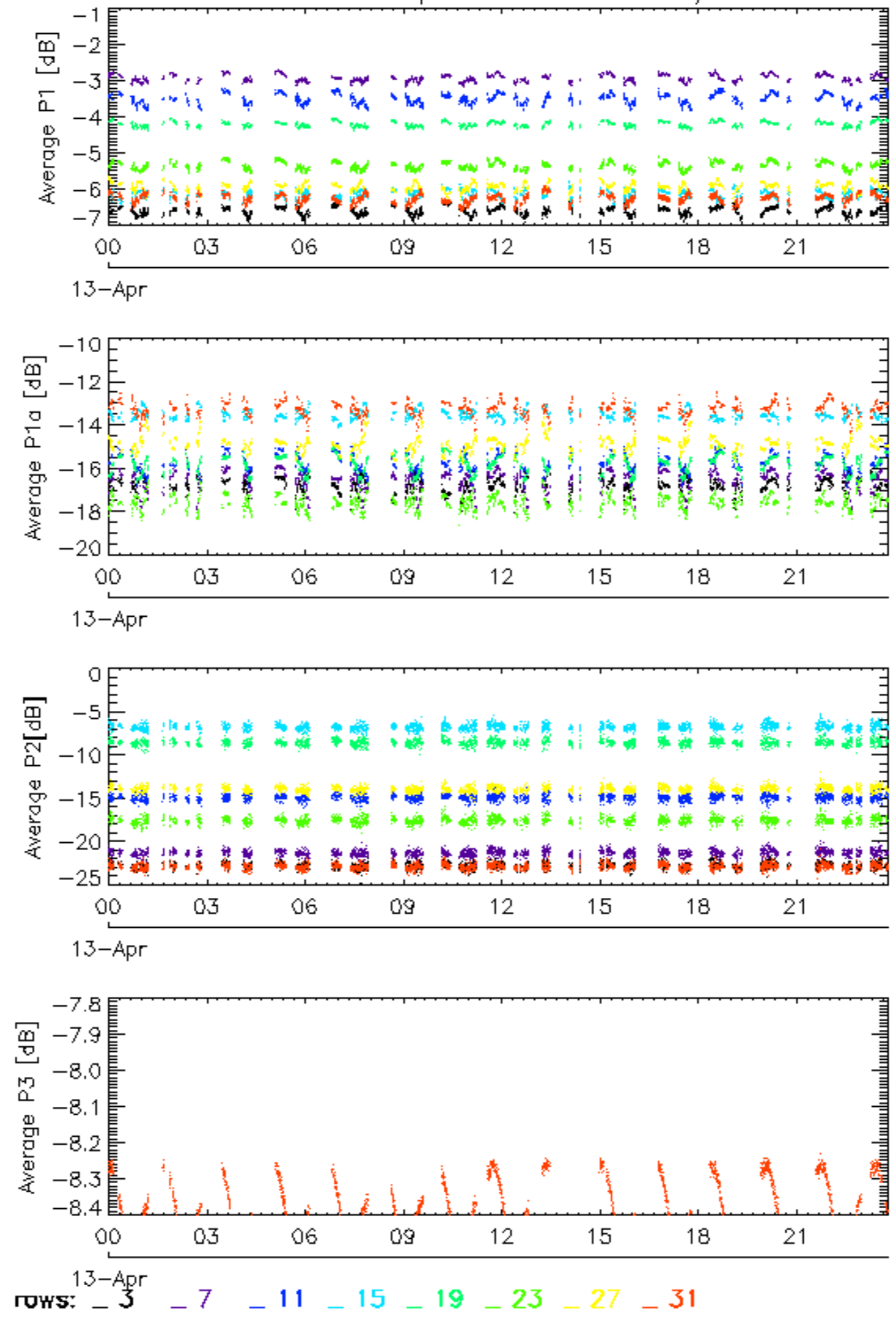




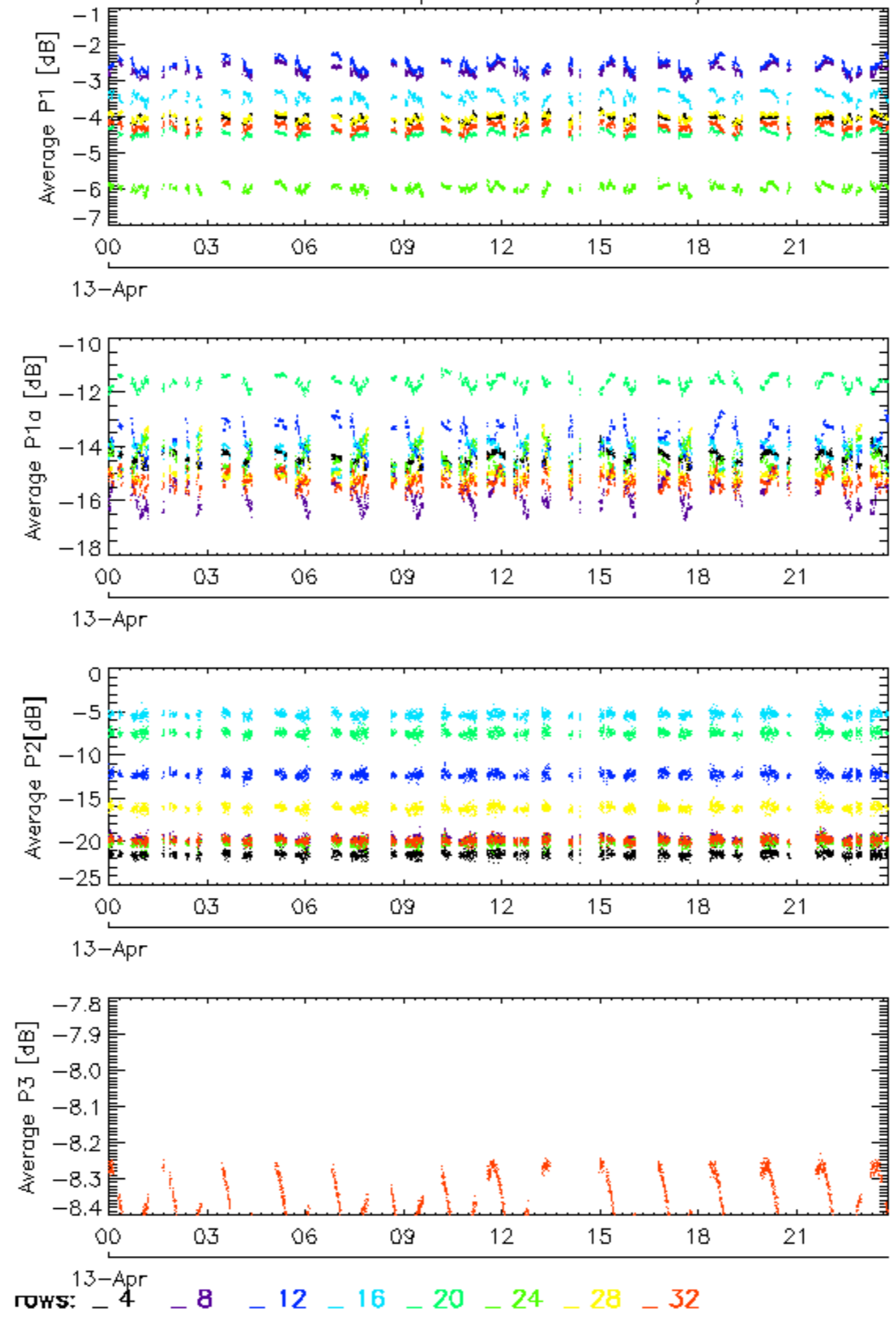
### Calibration pulses for WVS IS2 V/V

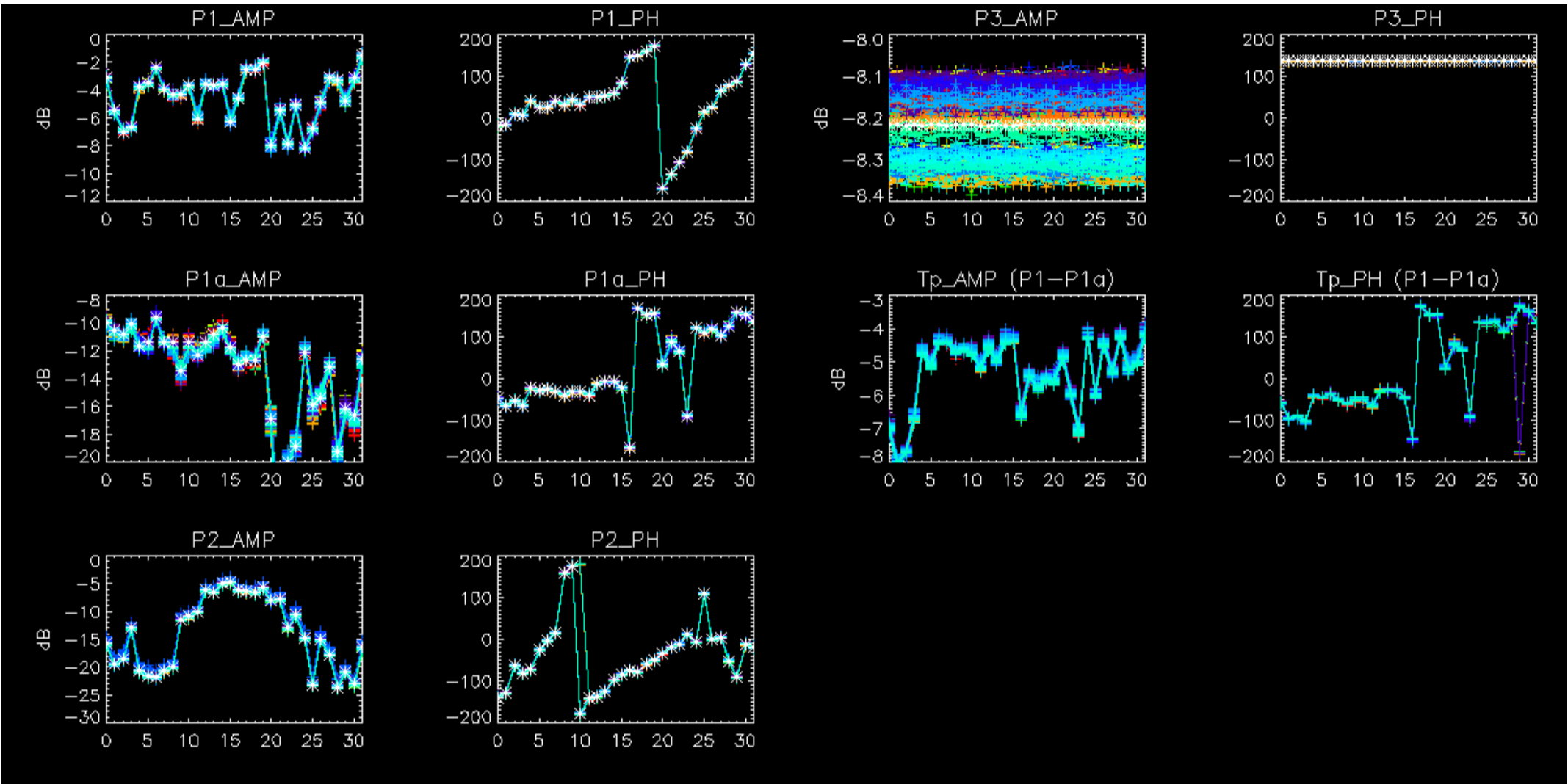


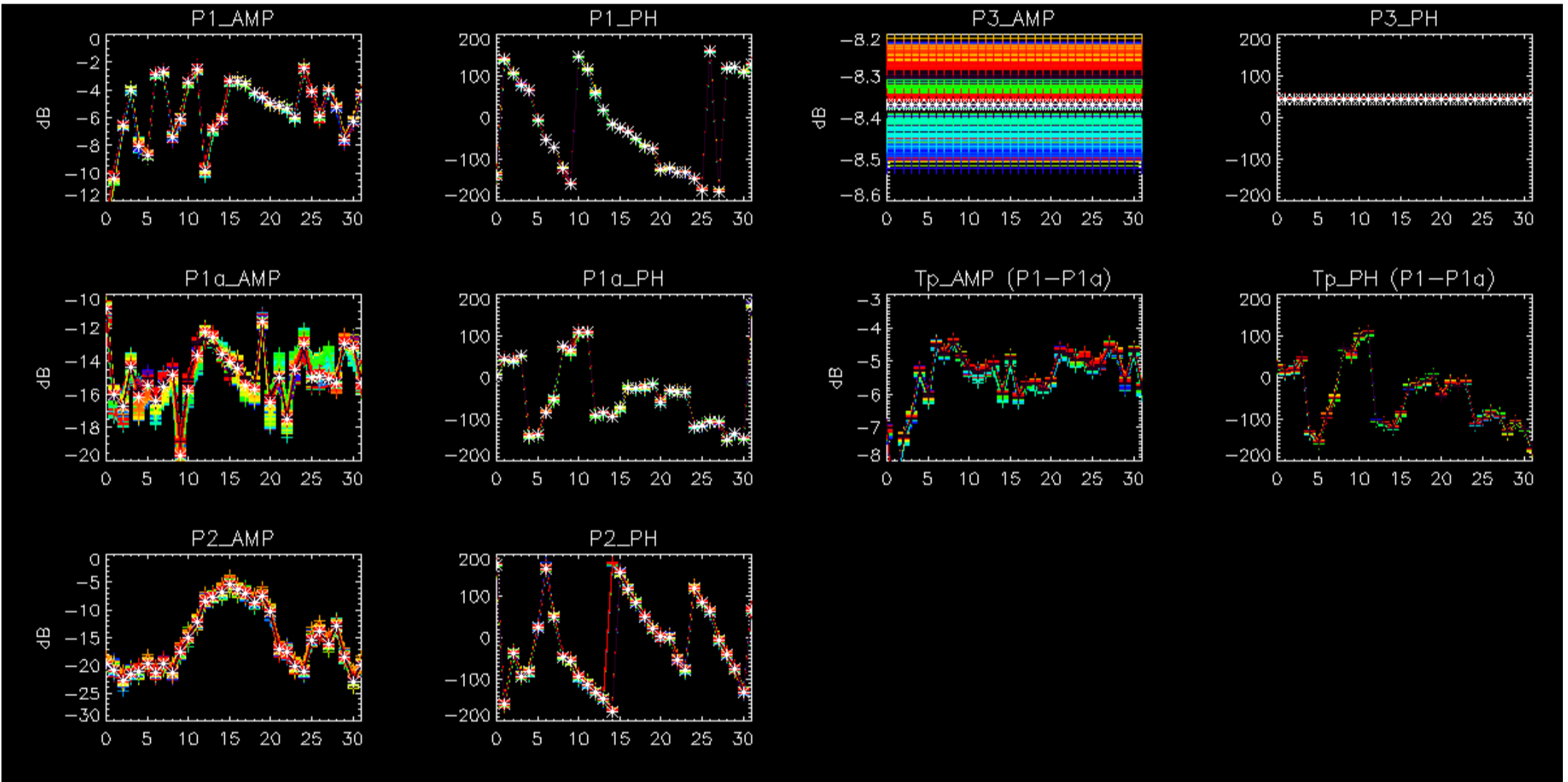
### Calibration pulses for WVS IS2 V/V

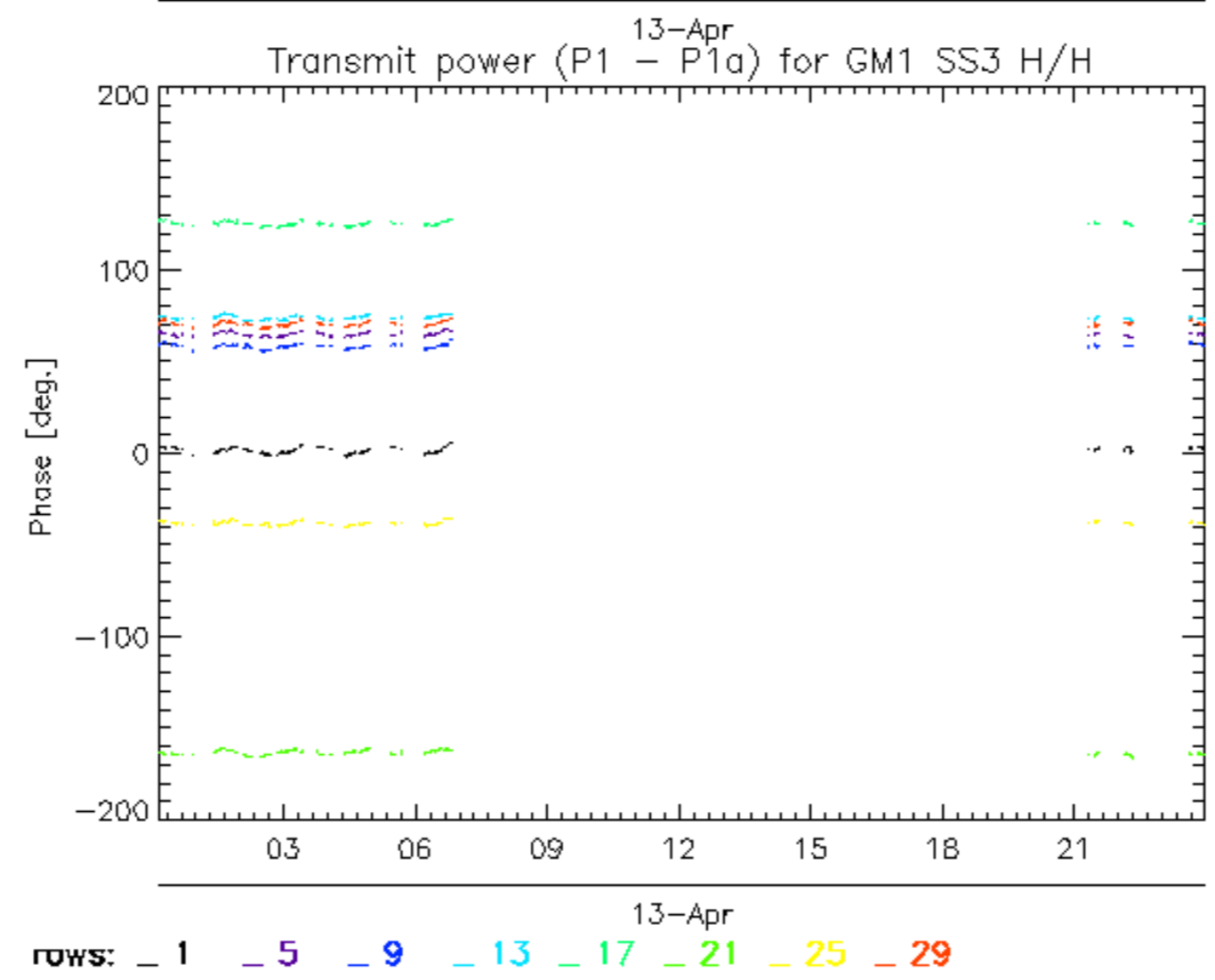
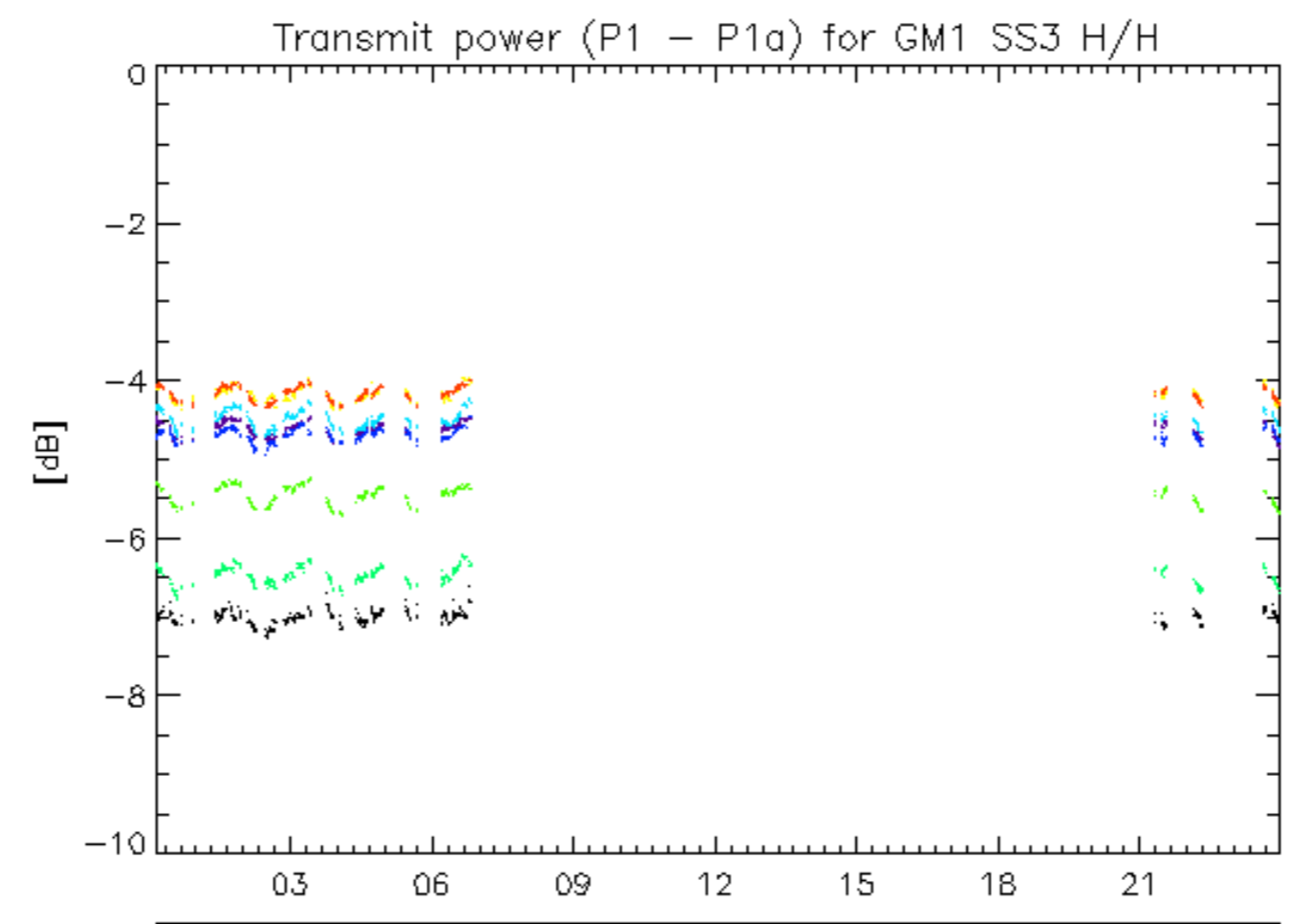


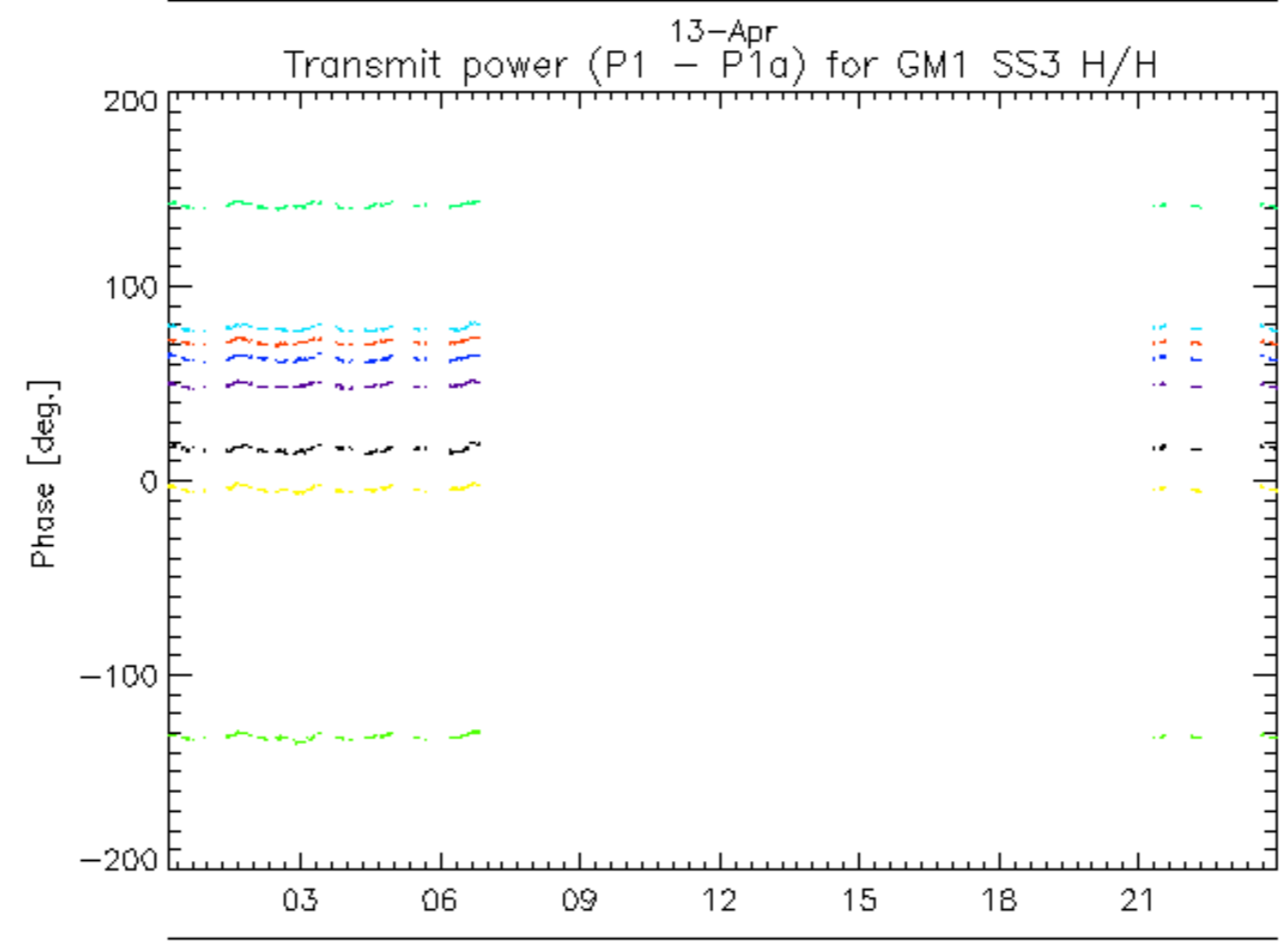
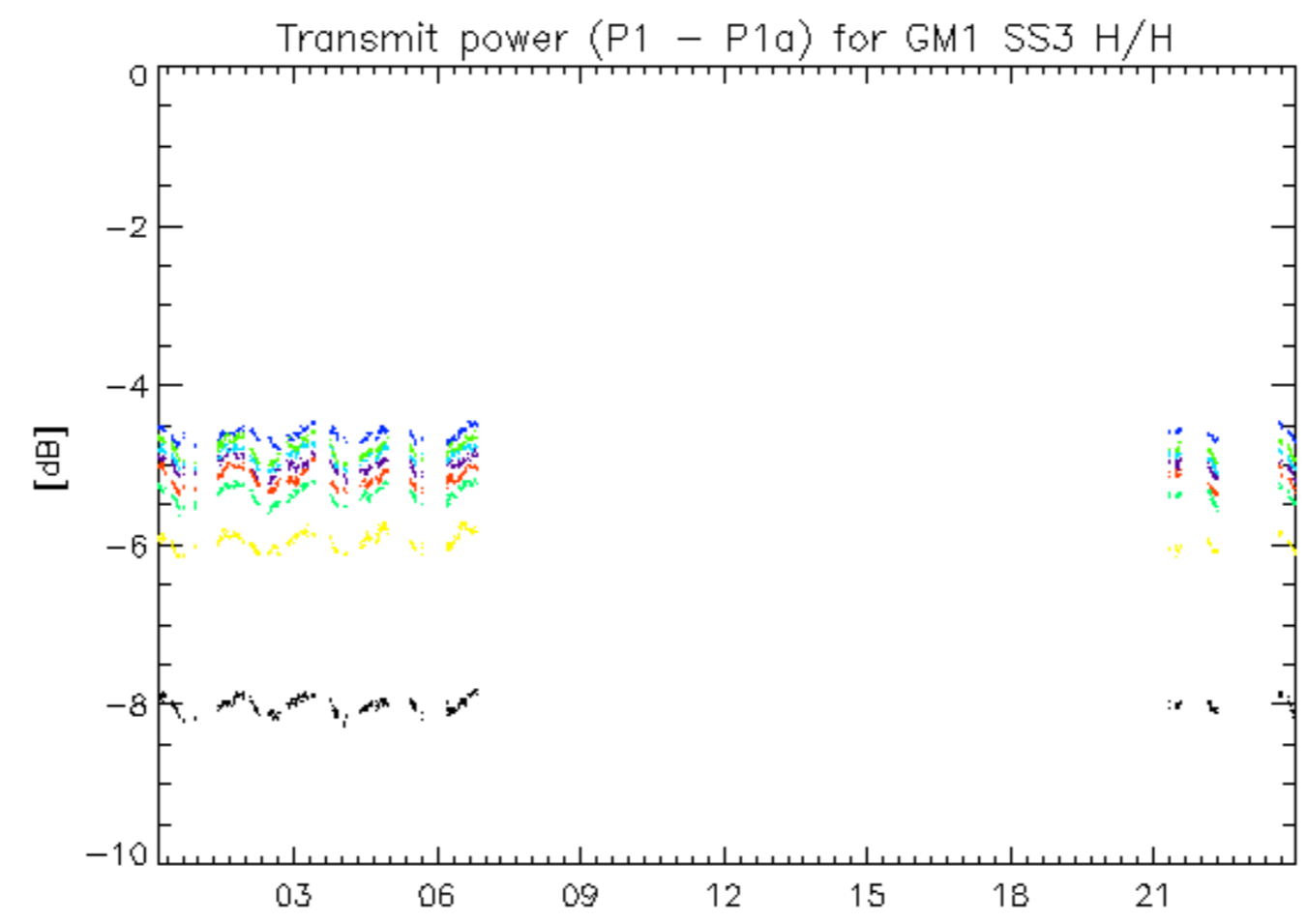
Calibration pulses for WVS IS2 V/V



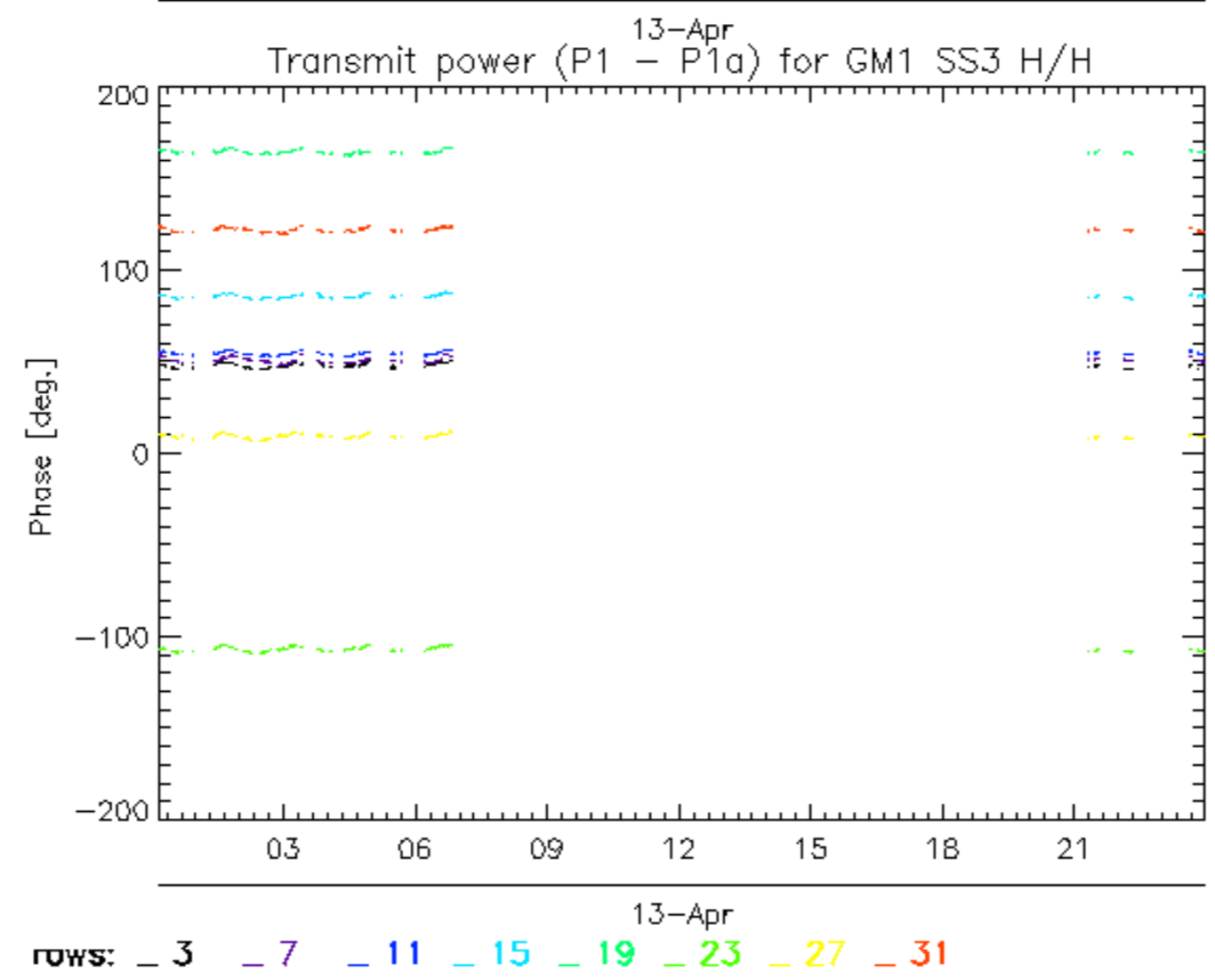
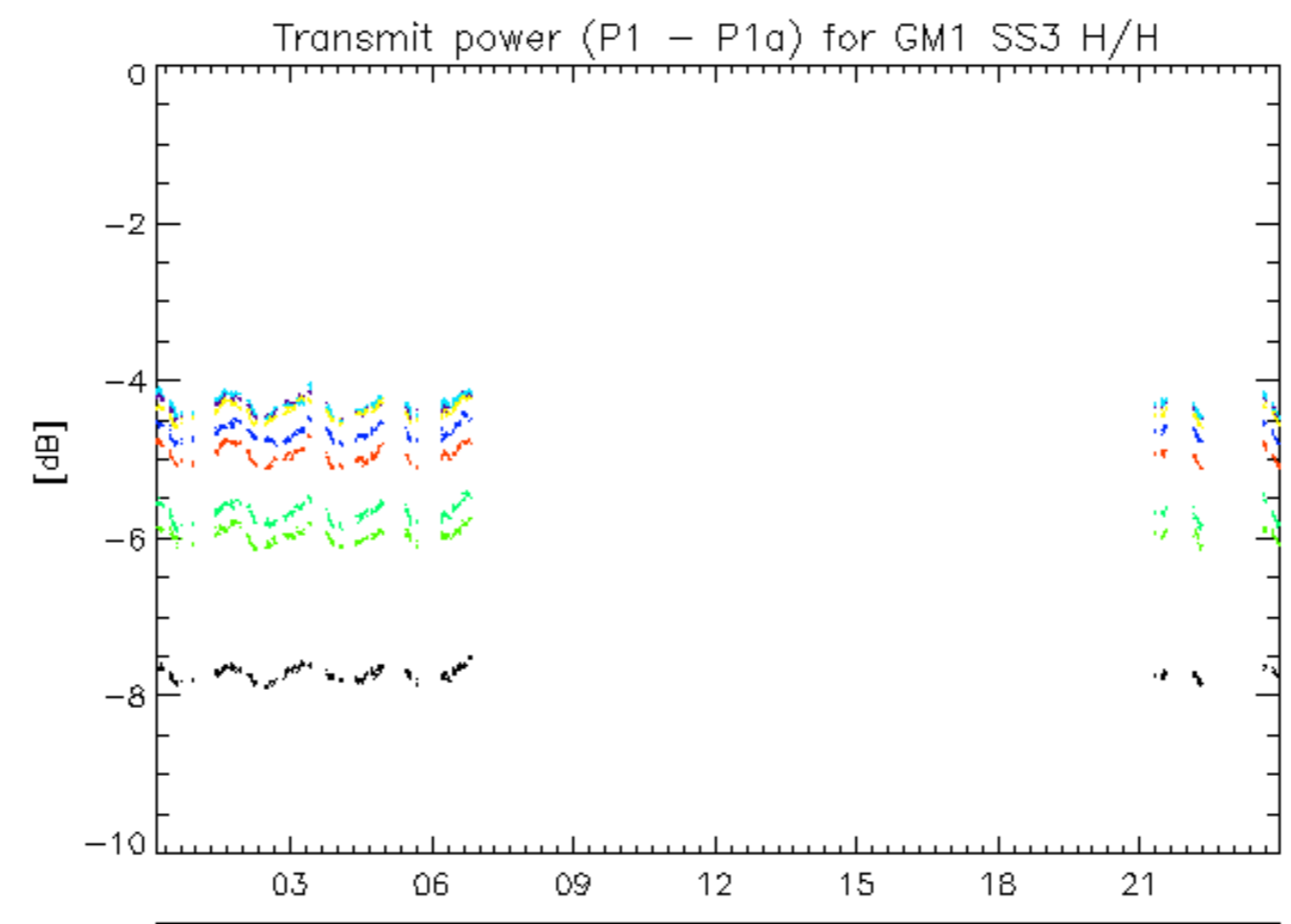




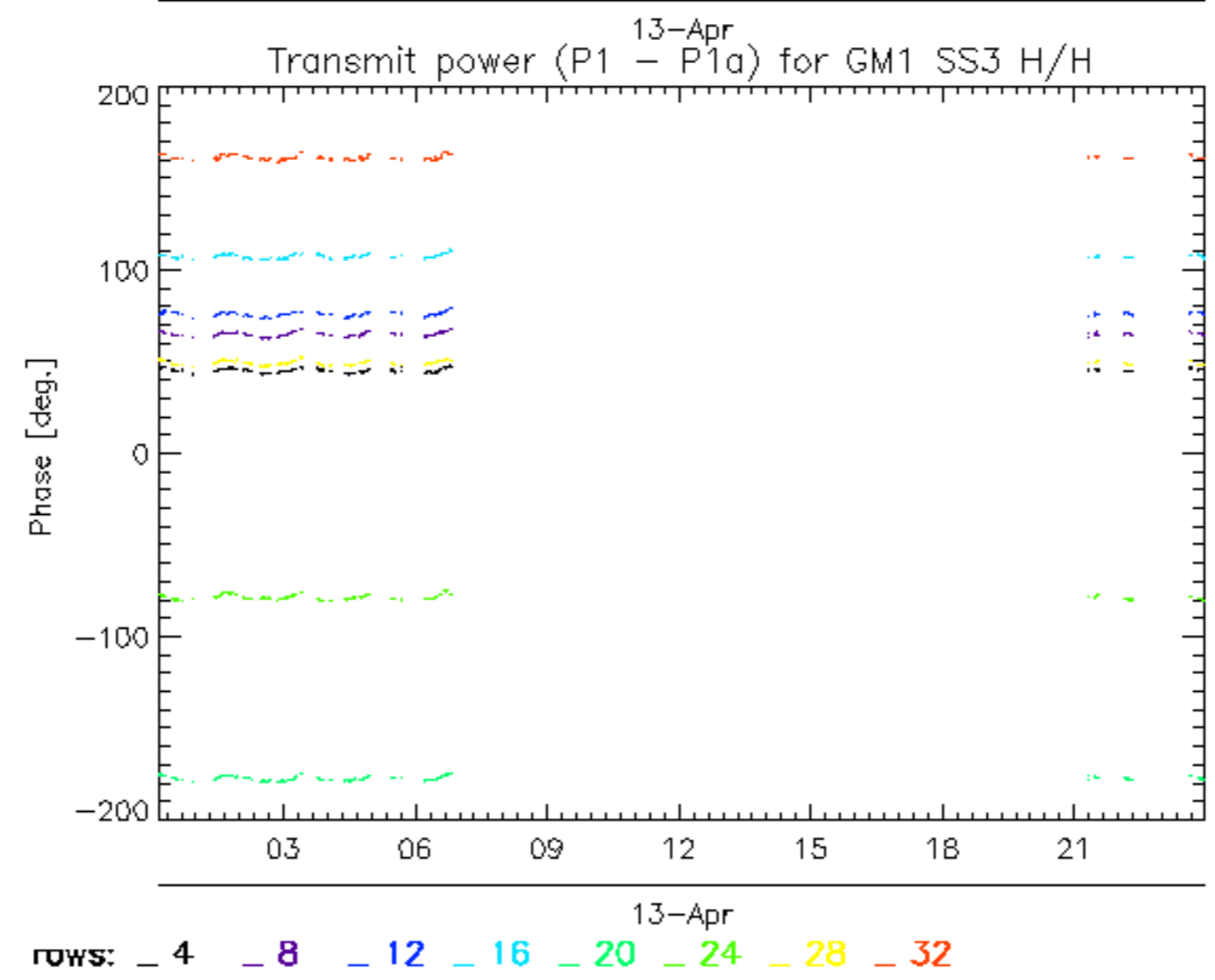
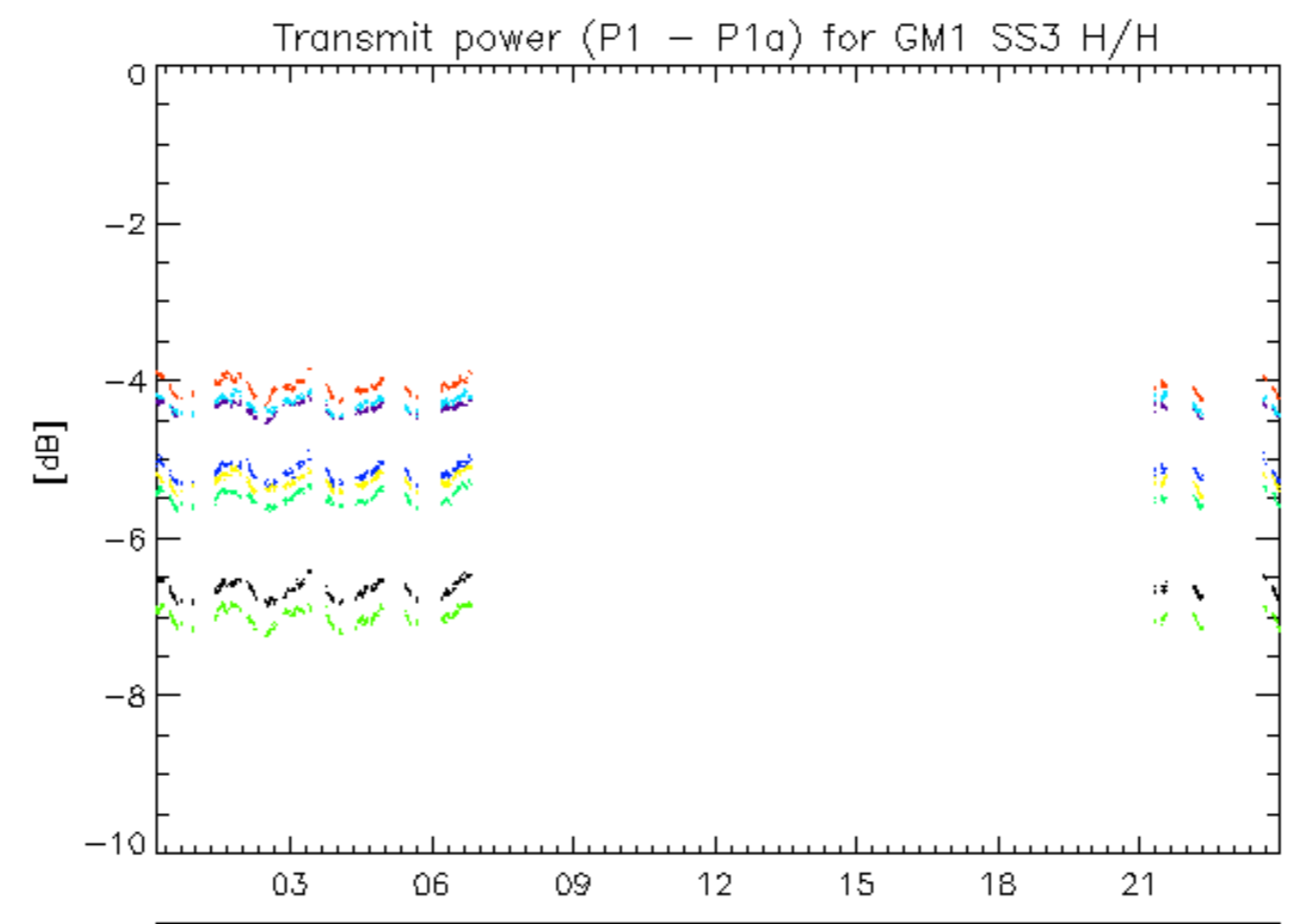


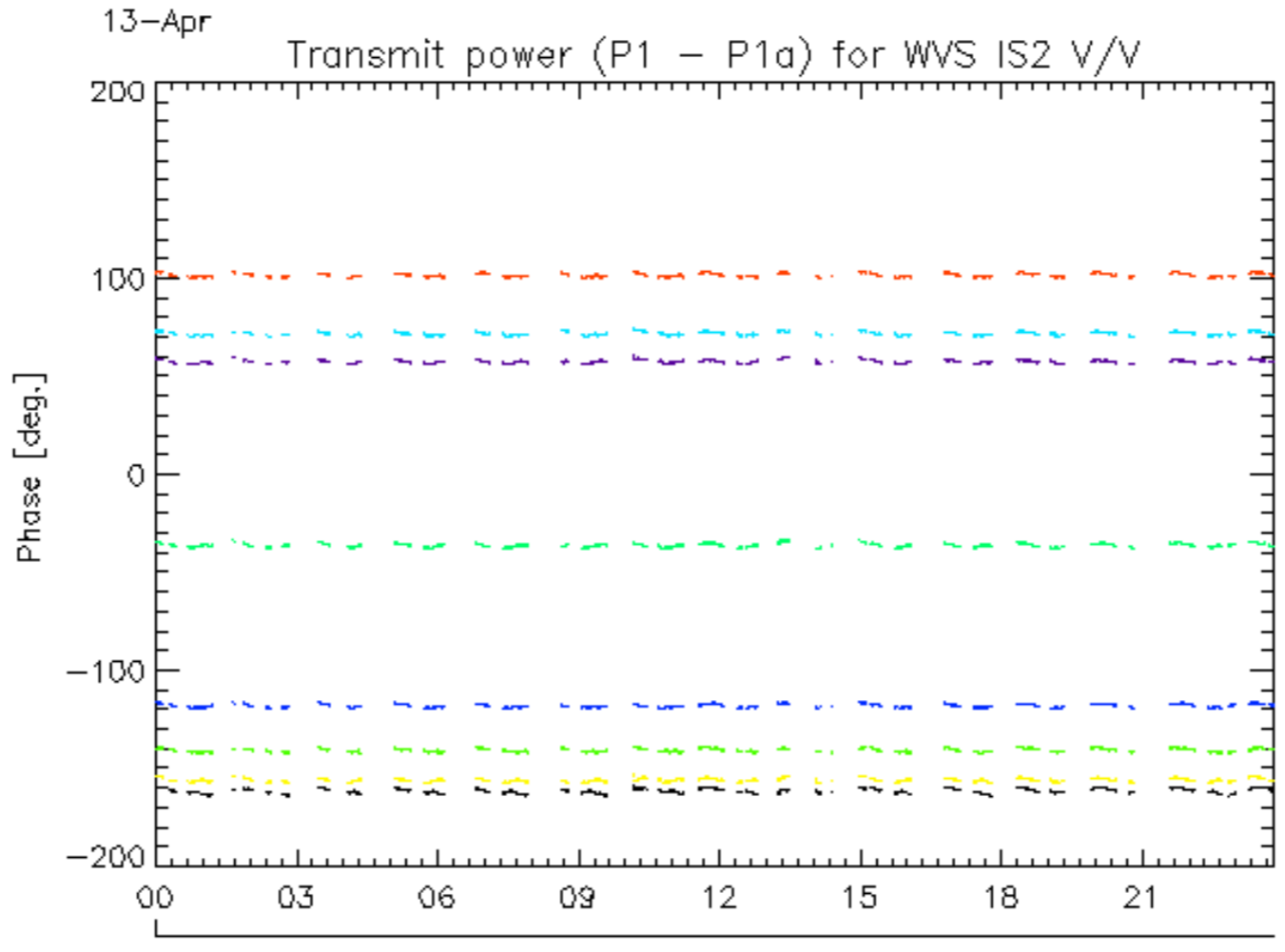
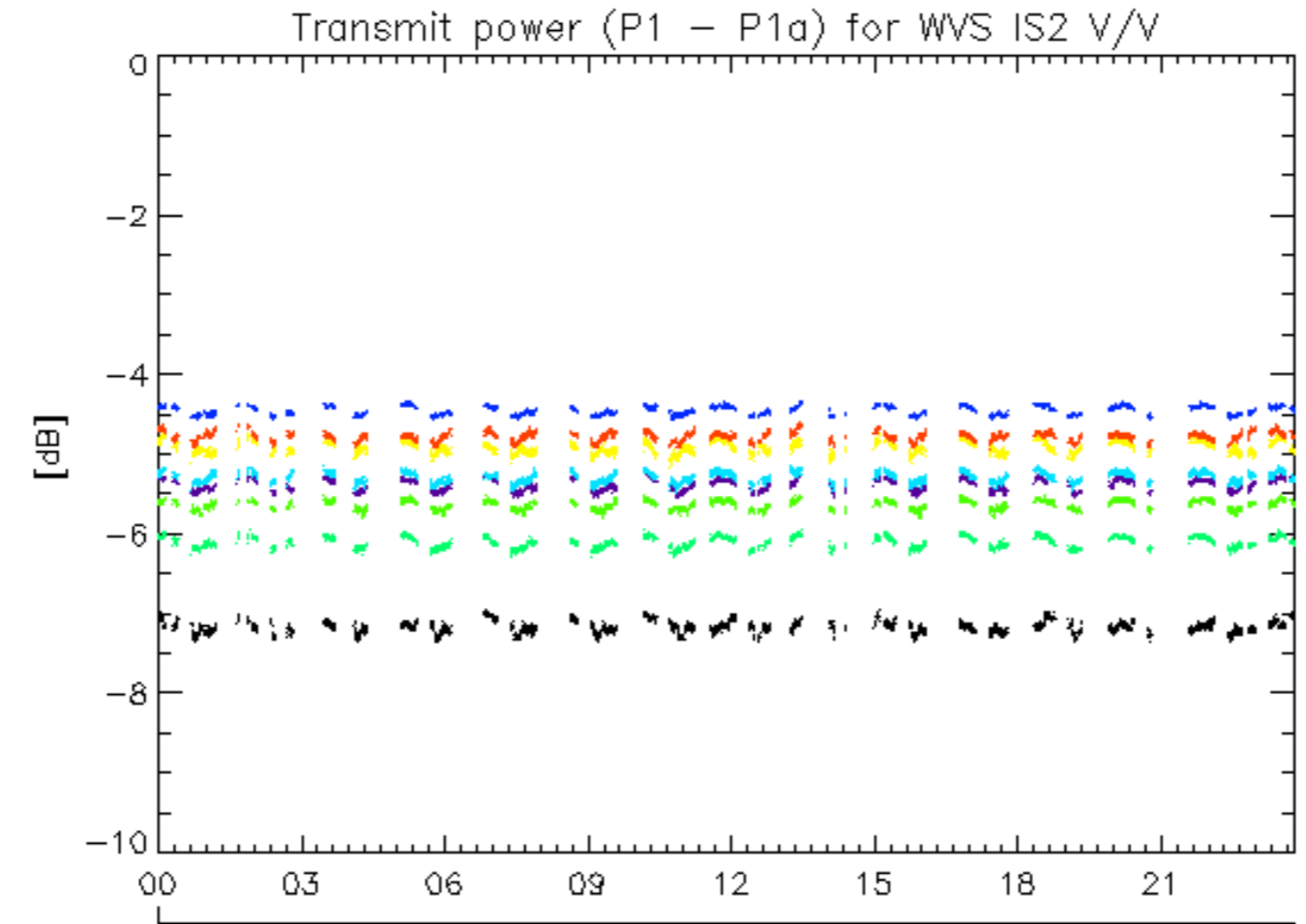


13-Apr  
rows: \_ 2 \_ 6 \_ 10 \_ 14 \_ 18 \_ 22 \_ 26 \_ 30



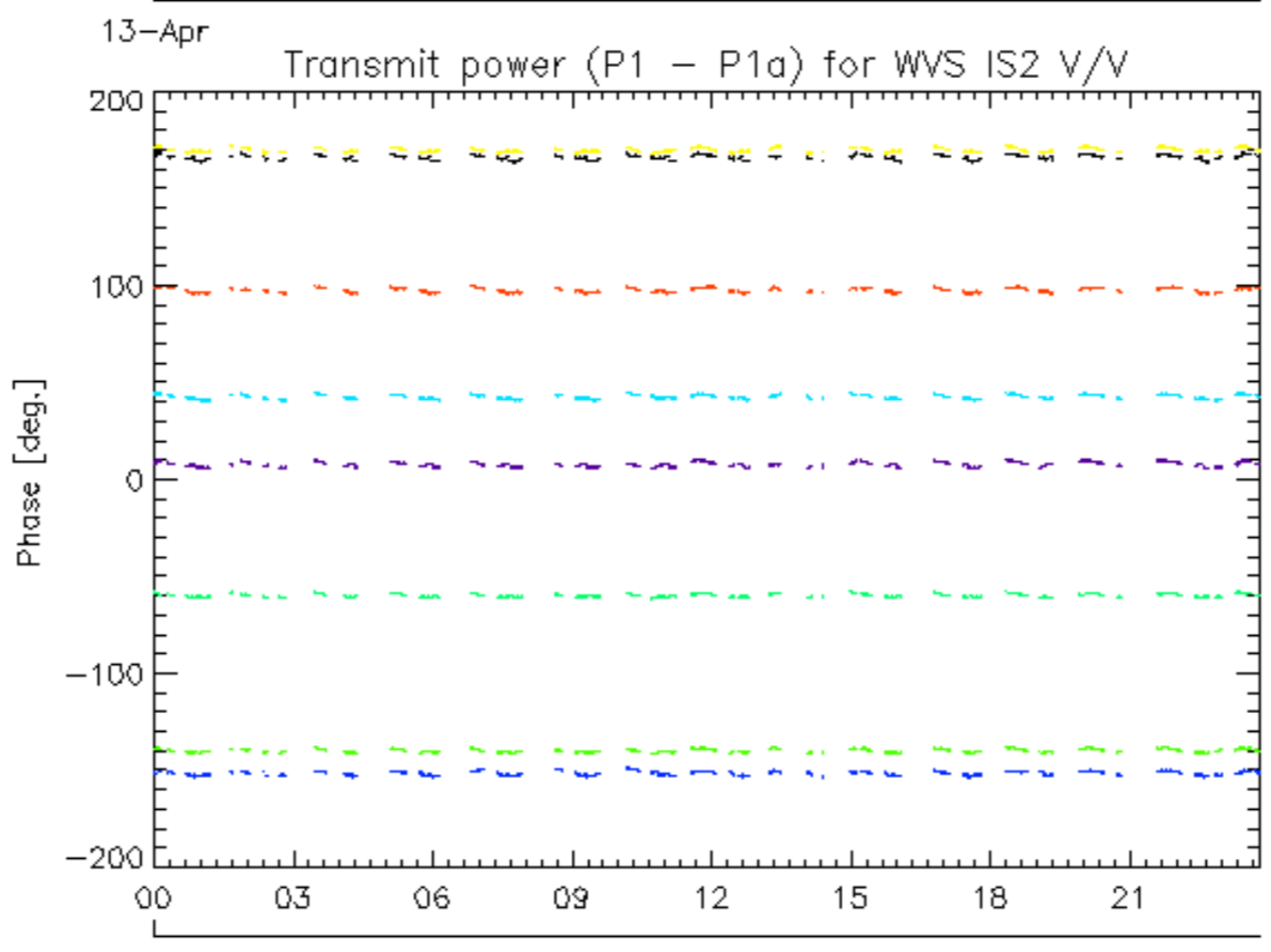
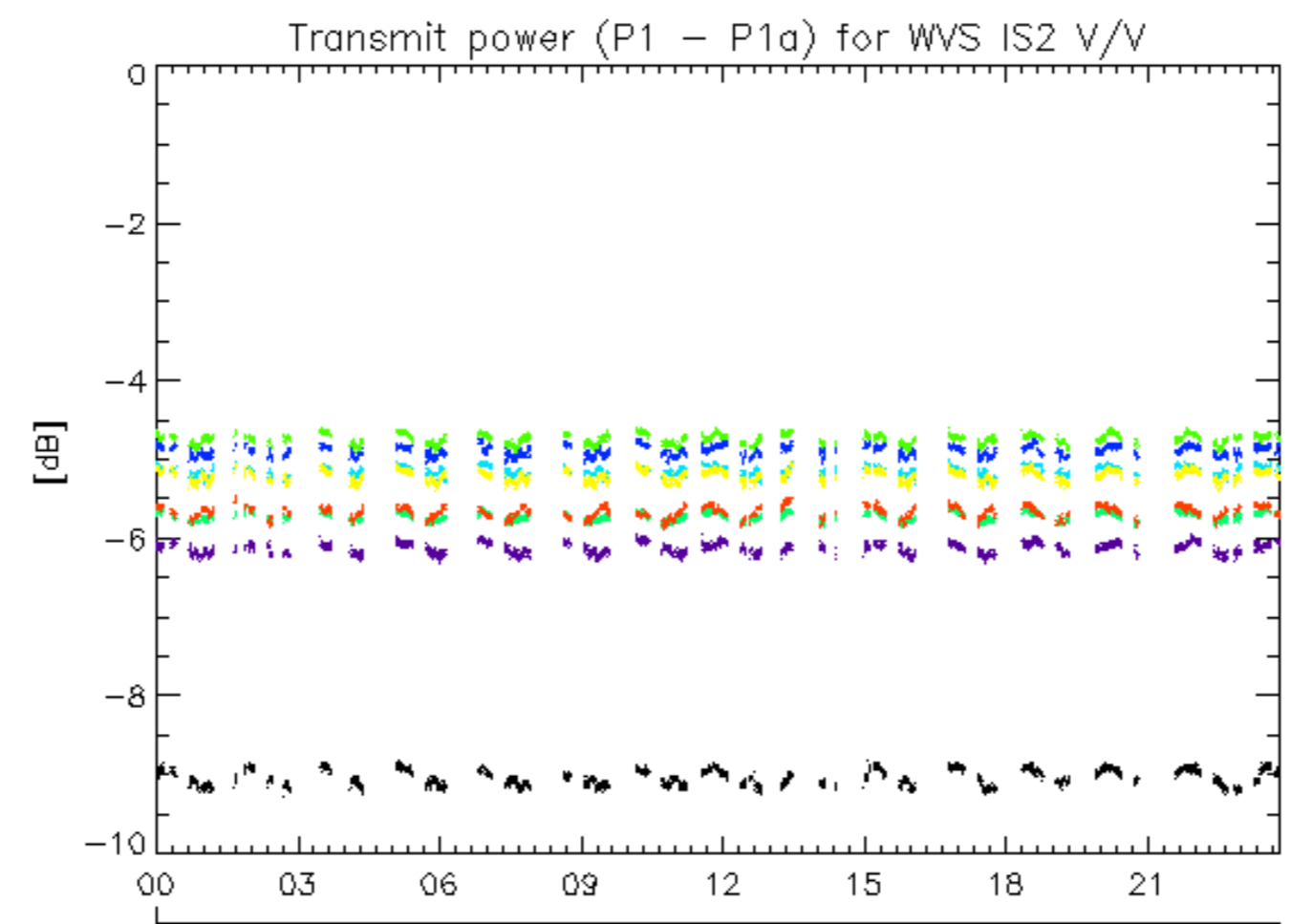






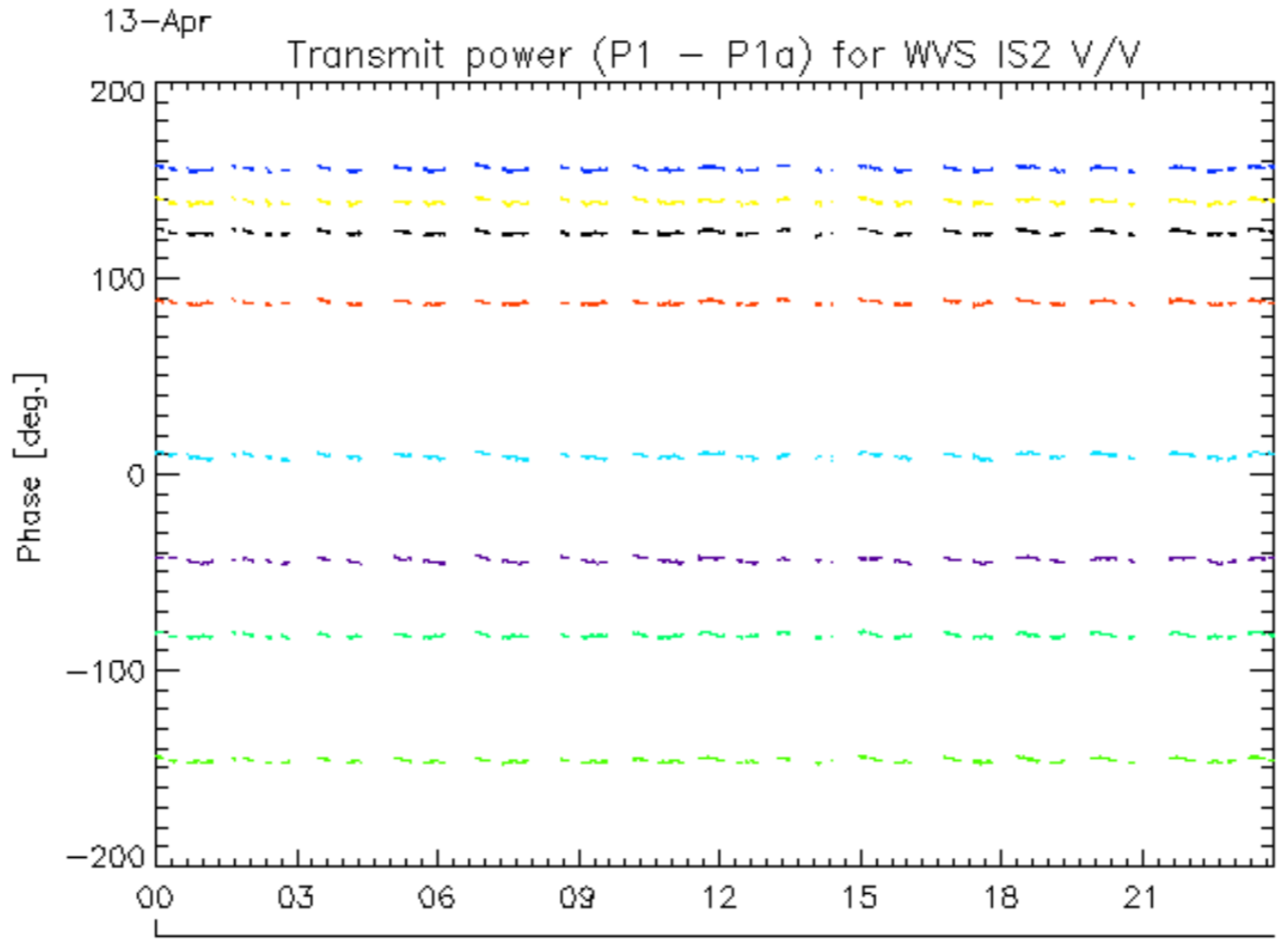
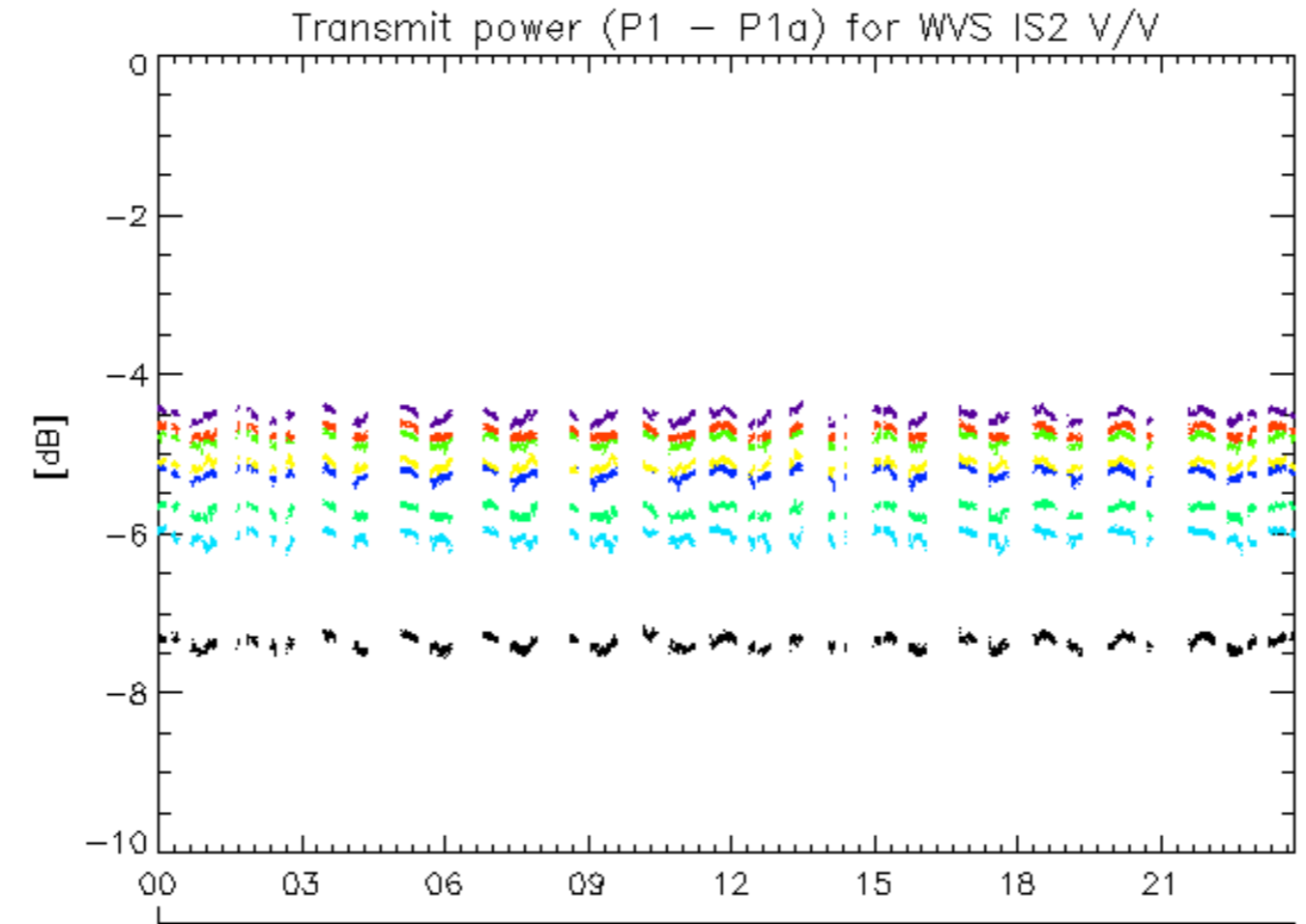
13-Apr

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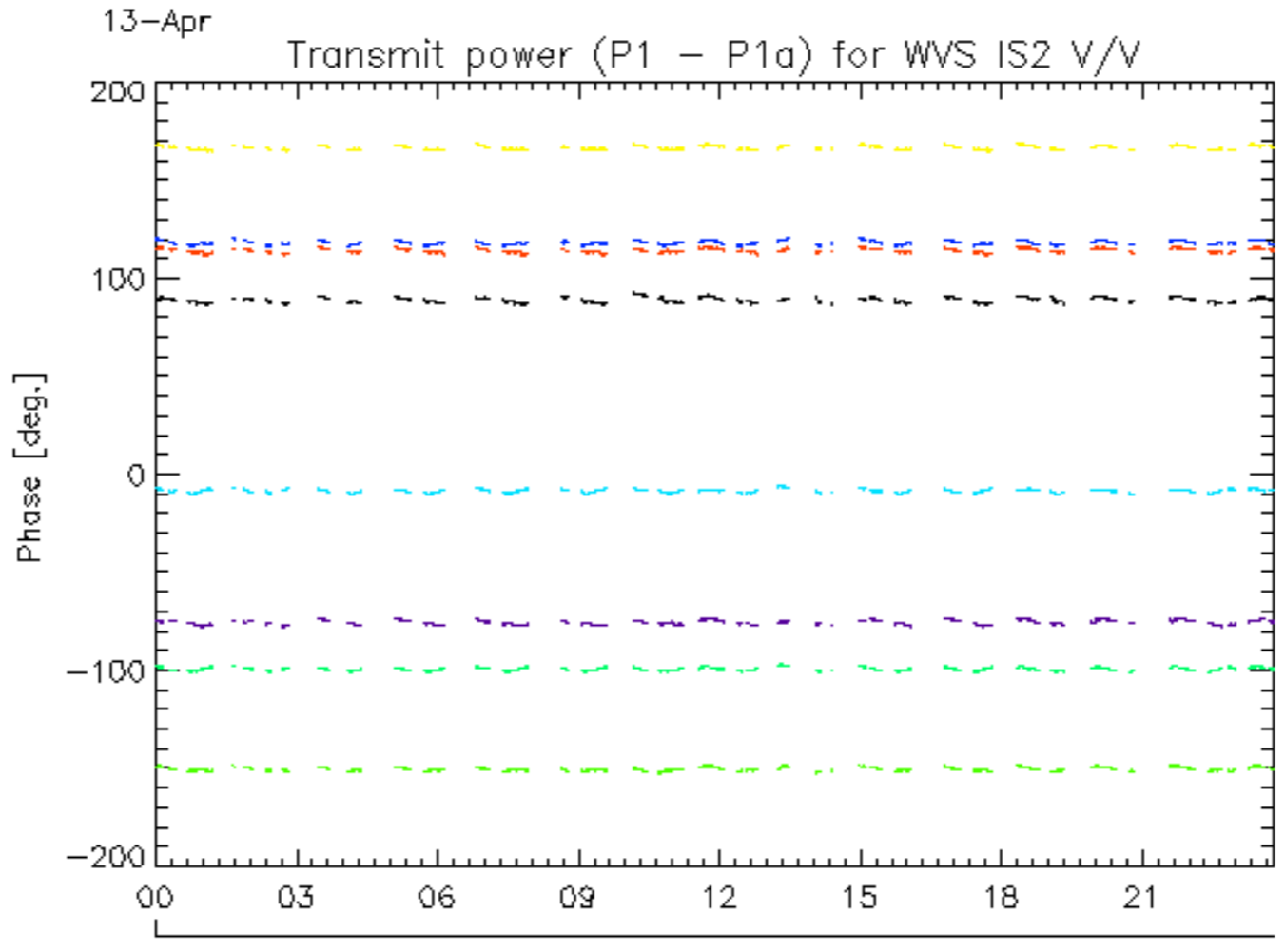
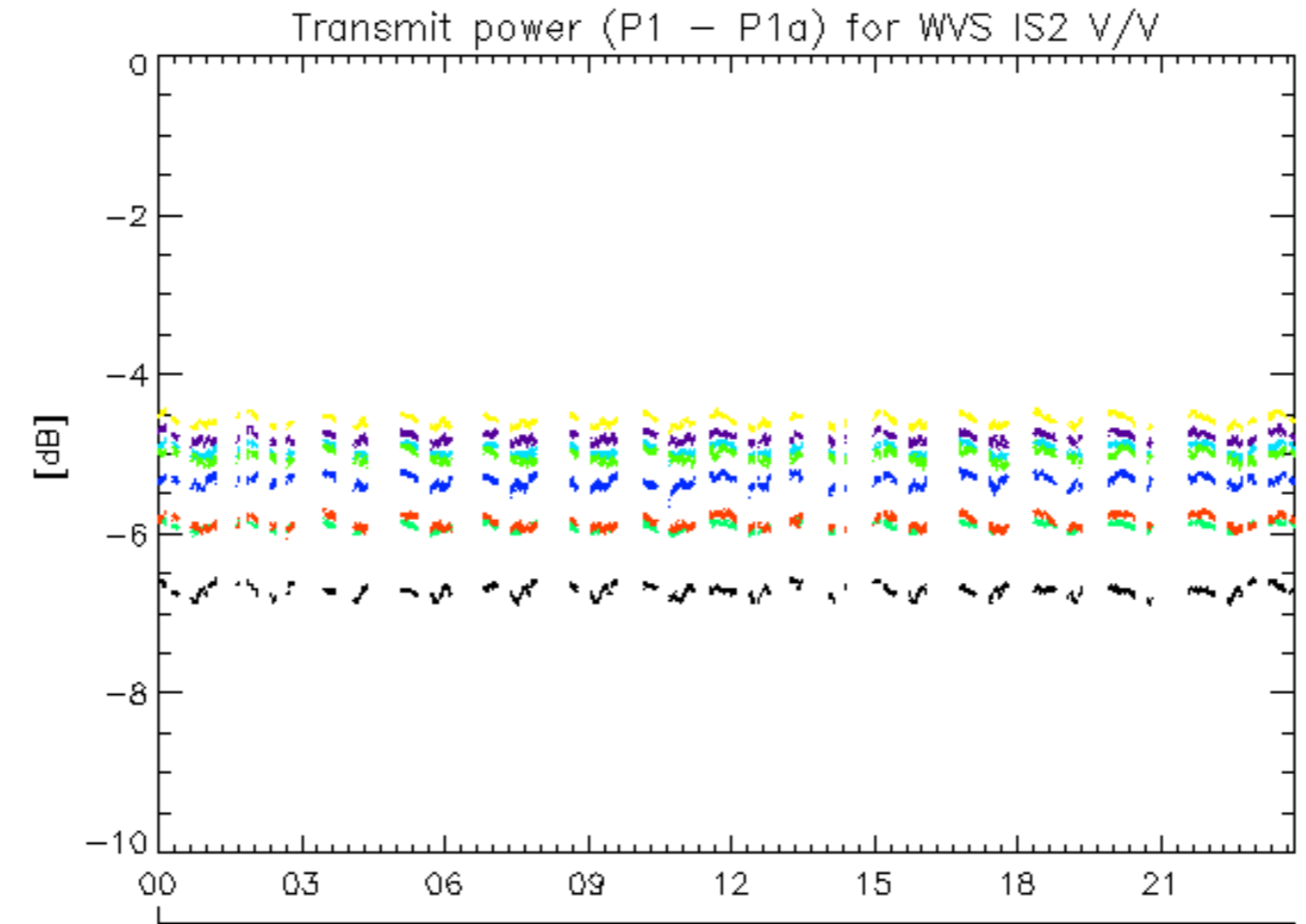


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rows: \_ 2 \_ 6 \_ 10 \_ 14 \_ 18 \_ 22 \_ 26 \_ 30

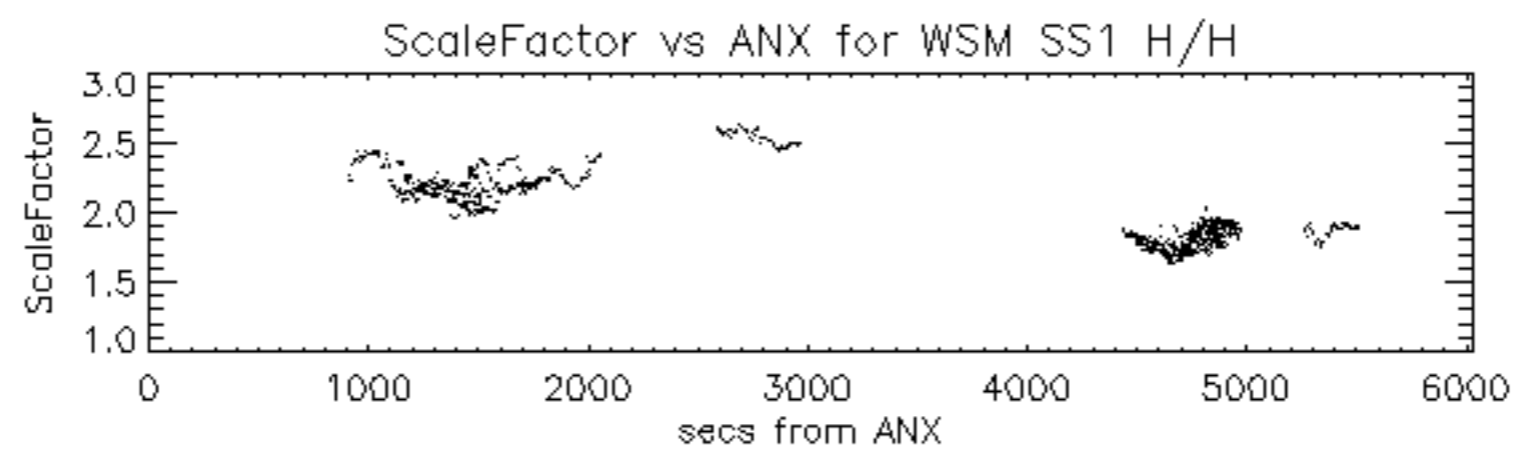


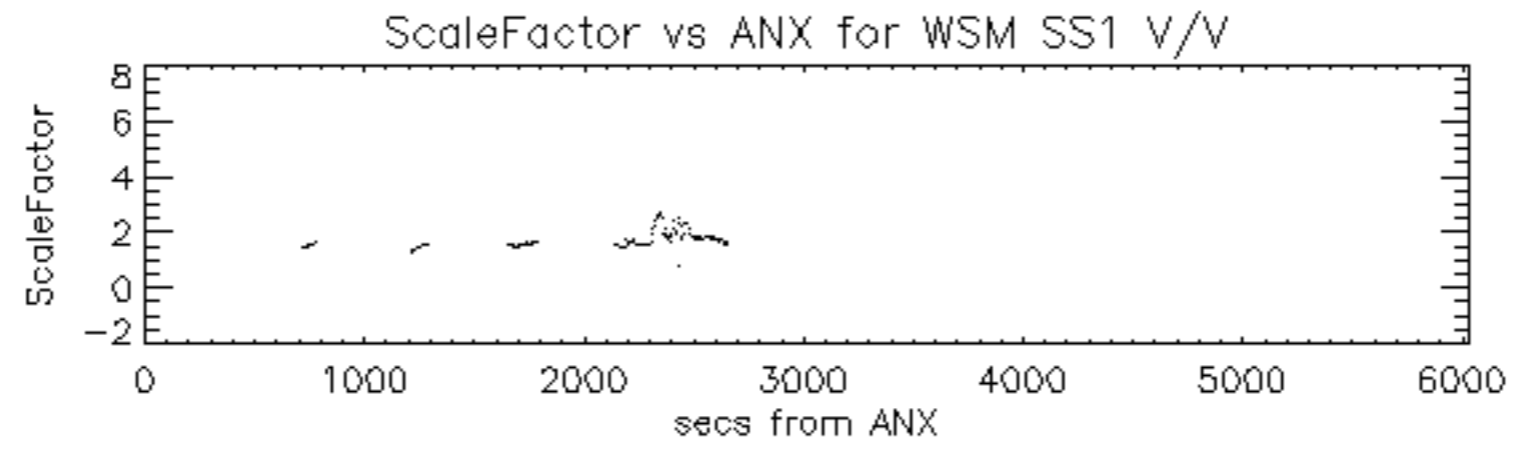
13-Apr  
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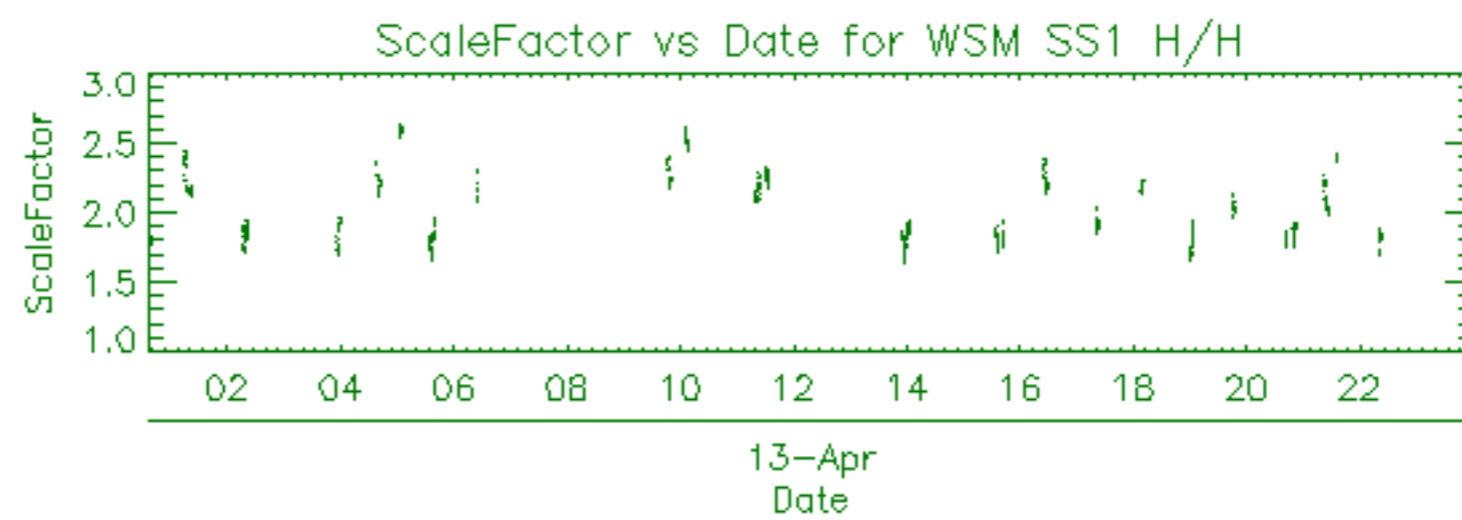


13-Apr

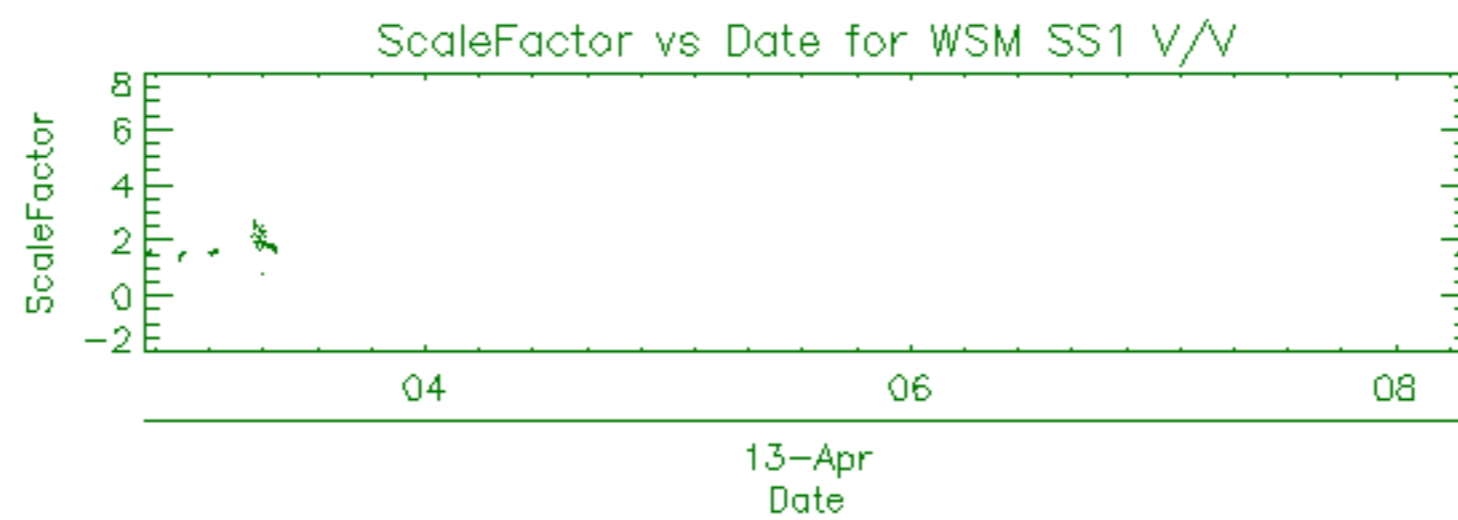
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| Filename   | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |     |       |     |      |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_APM_1PNPDE20110413_023559_000000453101_00247_47675_2262.N1 |      |     |             |          |          | IS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_APM_1PNPDE20110413_032709_000000563101_00248_47676_2272.N1 |      |     |             |          |          | IS4         | V/H | 101 | 47676 | 248 | 5.04 |
| ASA_APM_1PNPDE20110413_050109_000000433101_00249_47677_2292.N1 |      |     |             |          |          | IS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_APM_1PNPDE20110413_164502_000001003101_00256_47684_2421.N1 |      |     |             |          |          | IS4         | V/V | 101 | 47684 | 256 | 5.04 |

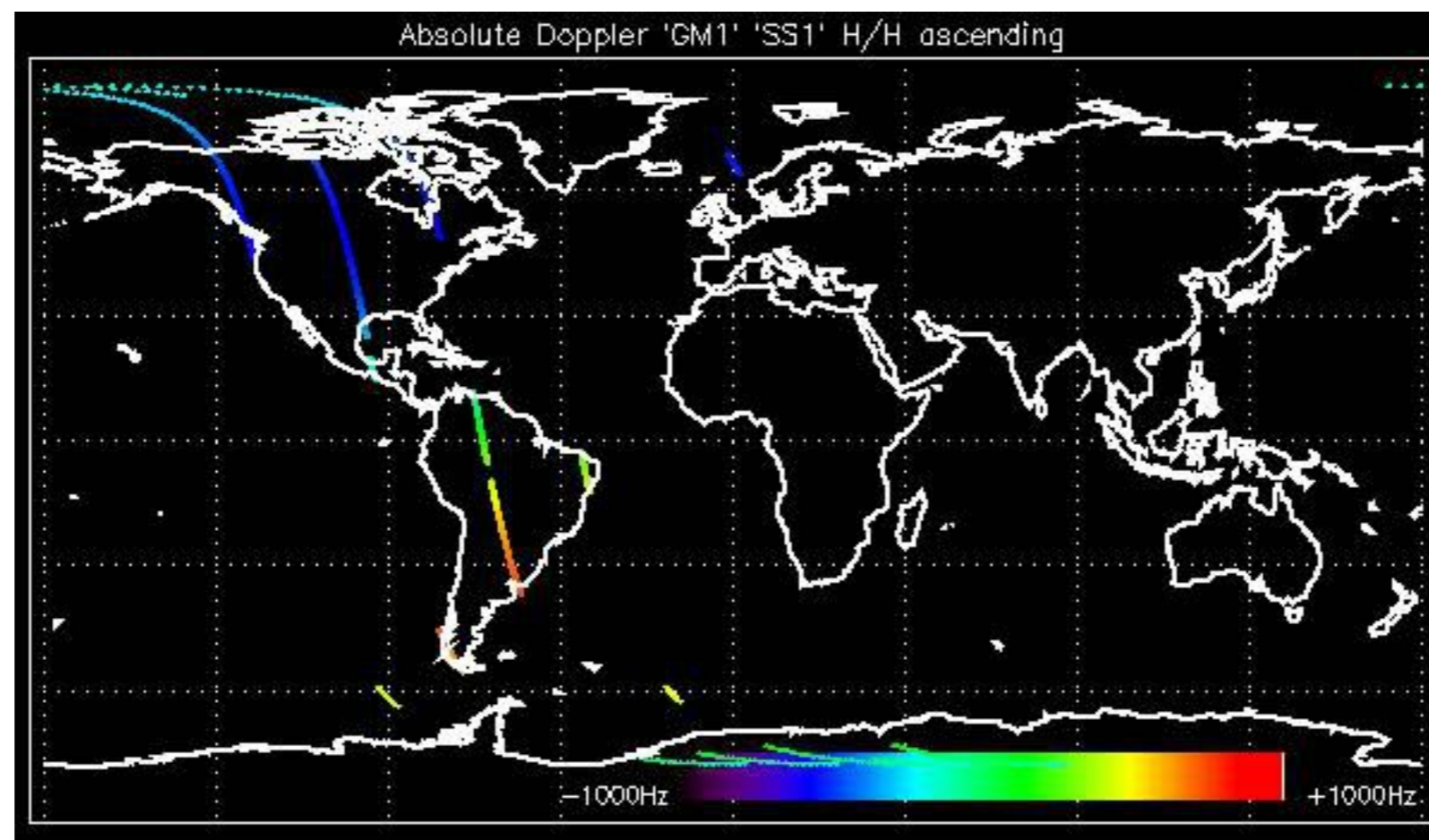
| Filename   | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |     |       |     |      |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_GM1_1PNPDE20110413_000933_000005313101_00246_47674_2228.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_GM1_1PNPDE20110413_002528_000006713101_00246_47674_2230.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_GM1_1PNPDE20110413_004018_000000663101_00246_47674_2232.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_GM1_1PNPDE20110413_004018_000000663101_00246_47674_2234.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_GM1_1PNPDE20110413_005448_000001753101_00246_47674_2256.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_GM1_1PNPDE20110413_012336_000009303101_00247_47675_2254.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_014248_000005253101_00247_47675_2252.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_015429_000001503101_00247_47675_2249.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_020542_000006283101_00247_47675_2245.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_022804_000000663101_00247_47675_2268.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_022919_000003983101_00247_47675_2267.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_023702_000002953101_00247_47675_2265.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_GM1_1PNPDE20110413_025209_000004103101_00248_47676_2273.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_030040_000003383101_00248_47676_2275.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_030901_000004893101_00248_47676_2276.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_032328_000002233101_00248_47676_2278.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_034616_000005553101_00248_47676_2296.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_040249_000001873101_00248_47676_2298.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_GM1_1PNPDE20110413_042254_000000903101_00249_47677_2297.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_GM1_1PNPDE20110413_042542_000007313101_00249_47677_2299.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_GM1_1PNPDE20110413_044233_000008883101_00249_47677_2303.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_GM1_1PNPDE20110413_052612_000004593101_00249_47677_2315.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_GM1_1PNPDE20110413_054035_000000903101_00249_47677_2323.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_GM1_1PNPDE20110413_061111_000007313101_00250_47678_2322.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_GM1_1PNPDE20110413_062536_000007073101_00250_47678_2320.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_GM1_1PNPDE20110413_063910_000003143101_00250_47678_2319.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_GM1_1PNPDE20110413_064710_000001383101_00250_47678_2330.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_GM1_1PNPDE20110413_211903_000000963101_00259_47687_2430.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_GM1_1PNPDE20110413_212720_000004283101_00259_47687_2432.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_GM1_1PNPDE20110413_220830_000006773101_00259_47687_2437.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_GM1_1PNPDE20110413_233731_000002113101_00260_47688_2452.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47688 | 260 | 5.04 |
| ASA_GM1_1PNPDE20110413_234845_000005733101_00260_47688_2455.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47688 | 260 | 5.04 |

| Filename   | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |     |       |     |      |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_IMM_1PNPDE20110413_045719_000001583101_00249_47677_2293.N1 |      |     |             |          |          | IS6         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_IMM_1PNPDE20110413_060808_000001723101_00250_47678_2321.N1 |      |     |             |          |          | IS6         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_IMM_1PNPDE20110413_063723_000000973101_00250_47678_2312.N1 |      |     |             |          |          | IS6         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_IMM_1PNPDE20110413_064419_000001643101_00250_47678_2313.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47678 | 250 | 5.04 |
| ASA_IMM_1PNPDE20110413_081833_000002143101_00251_47679_2352.N1 |      |     |             |          |          | IS6         | H/H | 101 | 47679 | 251 | 5.04 |
| ASA_IMM_1PNPDE20110413_160758_000000373101_00256_47684_2418.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47684 | 256 | 5.04 |
| ASA_IMM_1PNPDE20110413_181623_000002583101_00257_47685_2425.N1 |      |     |             |          |          | IS6         | H/H | 101 | 47685 | 257 | 5.04 |
| ASA_IMM_1PNPDE20110413_234228_000000353101_00260_47688_2465.N1 |      |     |             |          |          | IS5         | H/H | 101 | 47688 | 260 | 5.04 |

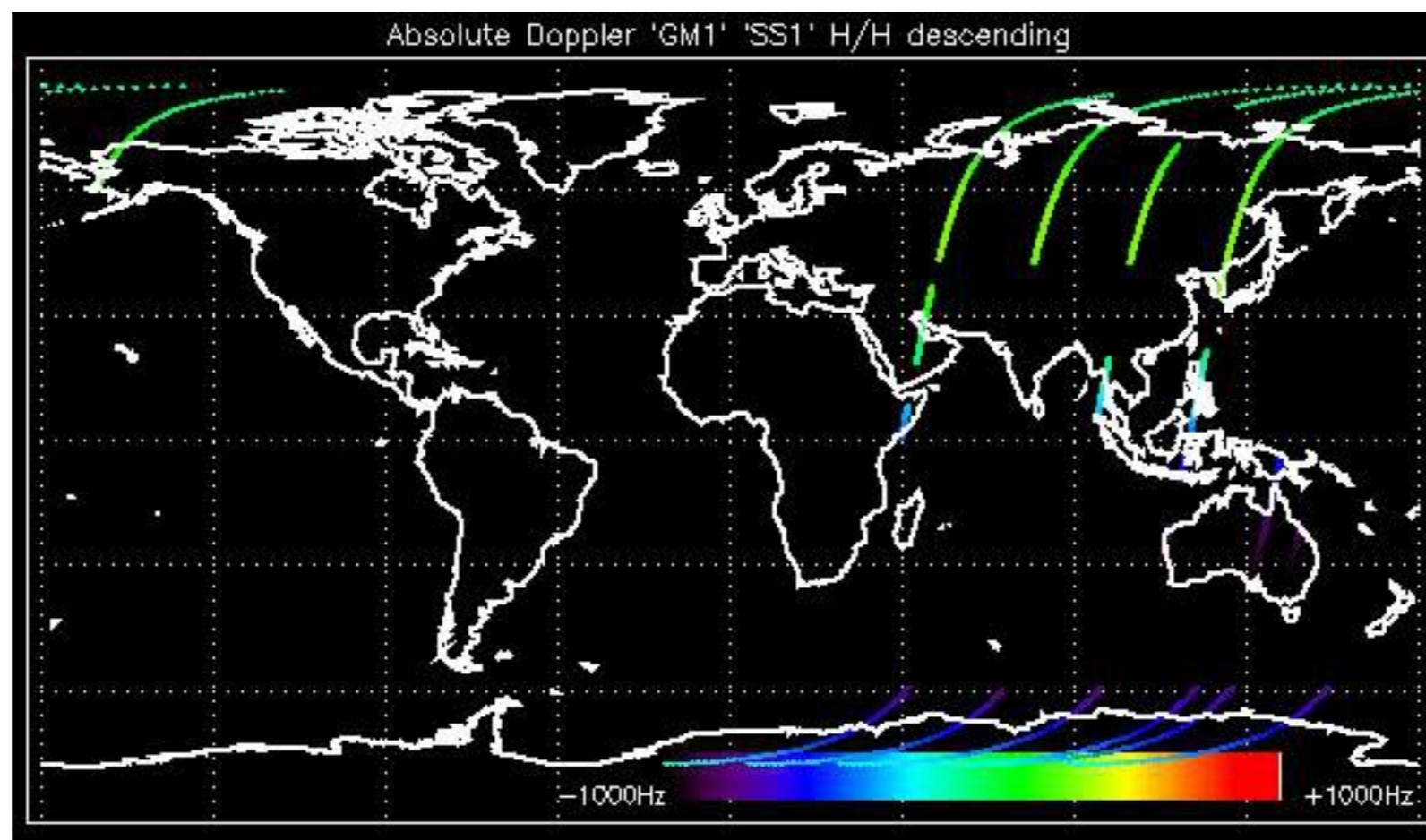
| Filename   | Pol | Timestamp | count(Module) |            |          |     |  |
|--|-----|-----------|---------------|------------|----------|-----|--|
| ASA_MS__0PNPDK20110413_120705_000000163101_00253_47681_0531.N1 | H   |           |               | 2011-04-13 | 12:07:05 | 320 |  |
| ASA_MS__0PNPDK20110413_134719_000000163101_00254_47682_0532.N1 | V   |           |               | 2011-04-13 | 13:47:19 | 320 |  |

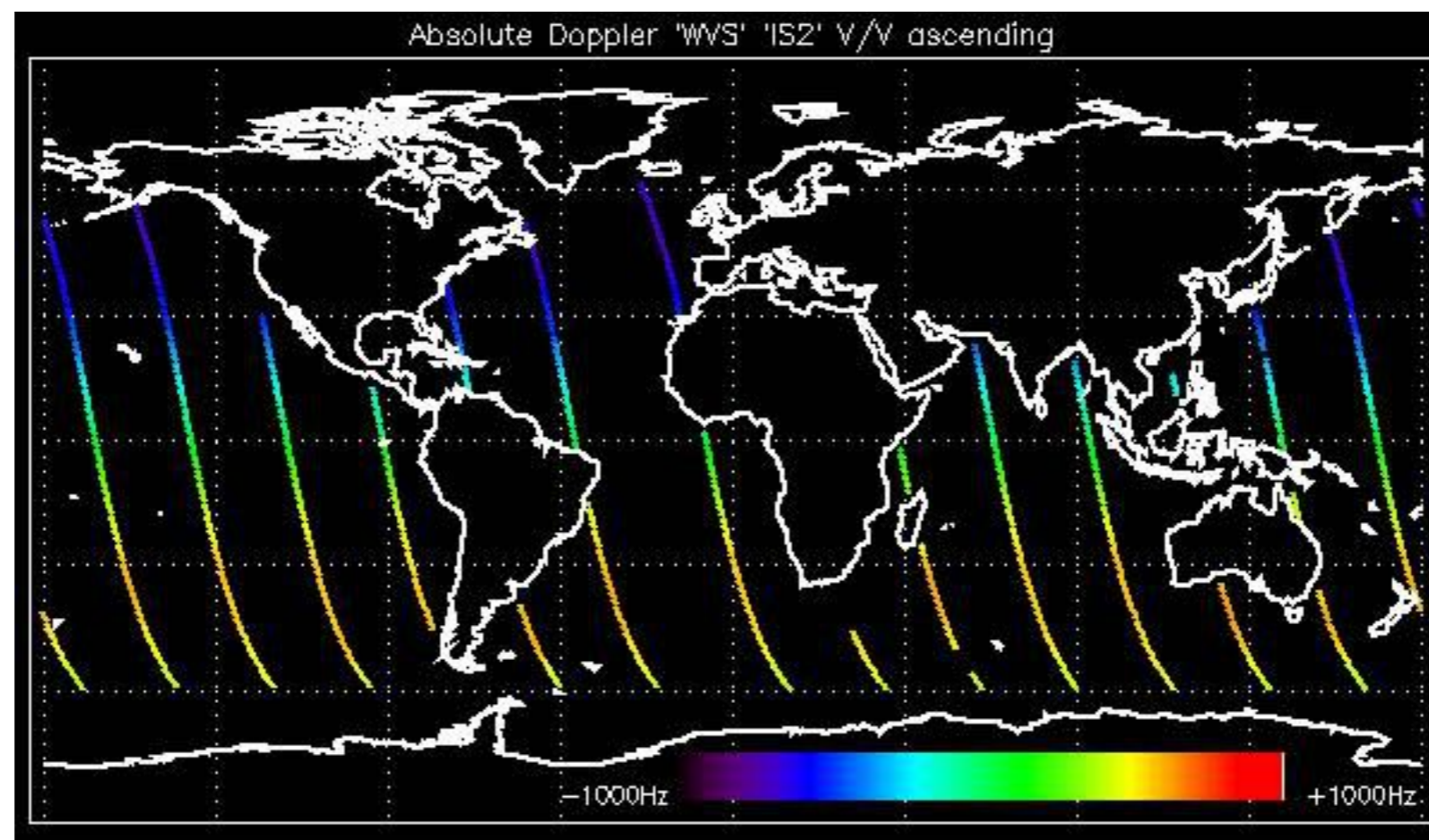
| Filename   | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |     |       |     |      |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_WSM_1PNPDE20110413_003642_000002143101_00246_47674_2220.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47674 | 246 | 5.04 |
| ASA_WSM_1PNPDE20110413_011344_000005873101_00247_47675_2251.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_WSM_1PNPDE20110413_021619_000003303101_00247_47675_2247.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47675 | 247 | 5.04 |
| ASA_WSM_1PNPDE20110413_025035_000000923101_00248_47676_2271.N1 |      |     |             |          |          | SS1         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WSM_1PNPDE20110413_025904_000000923101_00248_47676_2270.N1 |      |     |             |          |          | SS1         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WSM_1PNPDE20110413_030623_000001473101_00248_47676_2269.N1 |      |     |             |          |          | SS1         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WSM_1PNPDE20110413_031712_000003733101_00248_47676_2264.N1 |      |     |             |          |          | SS1         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WSM_1PNPDE20110413_035538_000003303101_00248_47676_2290.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47676 | 248 | 5.04 |
| ASA_WSM_1PNPDE20110413_043758_000002693101_00249_47677_2291.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_WSM_1PNPDE20110413_050211_000001533101_00249_47677_2294.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_WSM_1PNPDE20110413_053357_000003923101_00249_47677_2316.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47677 | 249 | 5.04 |
| ASA_WSM_1PNPDE20110413_062327_000001223101_00250_47678_2318.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47678 | 250 | 5.04 |
| ASA_WSM_1PNPDE20110413_081510_000001903101_00251_47679_2351.N1 |      |     |             |          |          | SS1         | V/V | 101 | 47679 | 251 | 5.04 |
| ASA_WSM_1PNPDE20110413_094612_000002513101_00252_47680_2372.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47680 | 252 | 5.04 |
| ASA_WSM_1PNPDE20110413_100459_000002693101_00252_47680_2374.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47680 | 252 | 5.04 |
| ASA_WSM_1PNPDE20110413_111854_000001903101_00253_47681_2378.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47681 | 253 | 5.04 |
| ASA_WSM_1PNPDE20110413_112231_000001773101_00253_47681_2375.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47681 | 253 | 5.04 |
| ASA_WSM_1PNPDE20110413_113027_000001903101_00253_47681_2376.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47681 | 253 | 5.04 |
| ASA_WSM_1PNPDE20110413_135436_000005143101_00254_47682_2416.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47682 | 254 | 5.04 |
| ASA_WSM_1PNPDE20110413_153419_000001903101_00255_47683_2417.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47683 | 255 | 5.04 |
| ASA_WSM_1PNPDE20110413_154034_000001533101_00255_47683_2415.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47683 | 255 | 5.04 |
| ASA_WSM_1PNPDE20110413_162457_000002693101_00256_47684_2420.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47684 | 256 | 5.04 |
| ASA_WSM_1PNPDE20110413_172016_000002143101_00256_47684_2419.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47684 | 256 | 5.04 |
| ASA_WSM_1PNPDE20110413_180721_000000733101_00257_47685_2422.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47685 | 257 | 5.04 |
| ASA_WSM_1PNPDE20110413_180907_000001043101_00257_47685_2424.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47685 | 257 | 5.04 |
| ASA_WSM_1PNPDE20110413_185853_000003003101_00257_47685_2423.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47685 | 257 | 5.04 |
| ASA_WSM_1PNPDE20110413_194359_000002453101_00258_47686_2429.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47686 | 258 | 5.04 |
| ASA_WSM_1PNPDE20110413_204039_000001533101_00258_47686_2426.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47686 | 258 | 5.04 |
| ASA_WSM_1PNPDE20110413_204847_000002753101_00258_47686_2427.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47686 | 258 | 5.04 |
| ASA_WSM_1PNPDE20110413_212045_000003923101_00259_47687_2441.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_WSM_1PNPDE20110413_213433_000000923101_00259_47687_2442.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_WSM_1PNPDE20110413_221948_000002143101_00259_47687_2428.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47687 | 259 | 5.04 |
| ASA_WSM_1PNPDE20110413_235824_000002813101_00260_47688_2446.N1 |      |     |             |          |          | SS1         | H/H | 101 | 47688 | 260 | 5.04 |

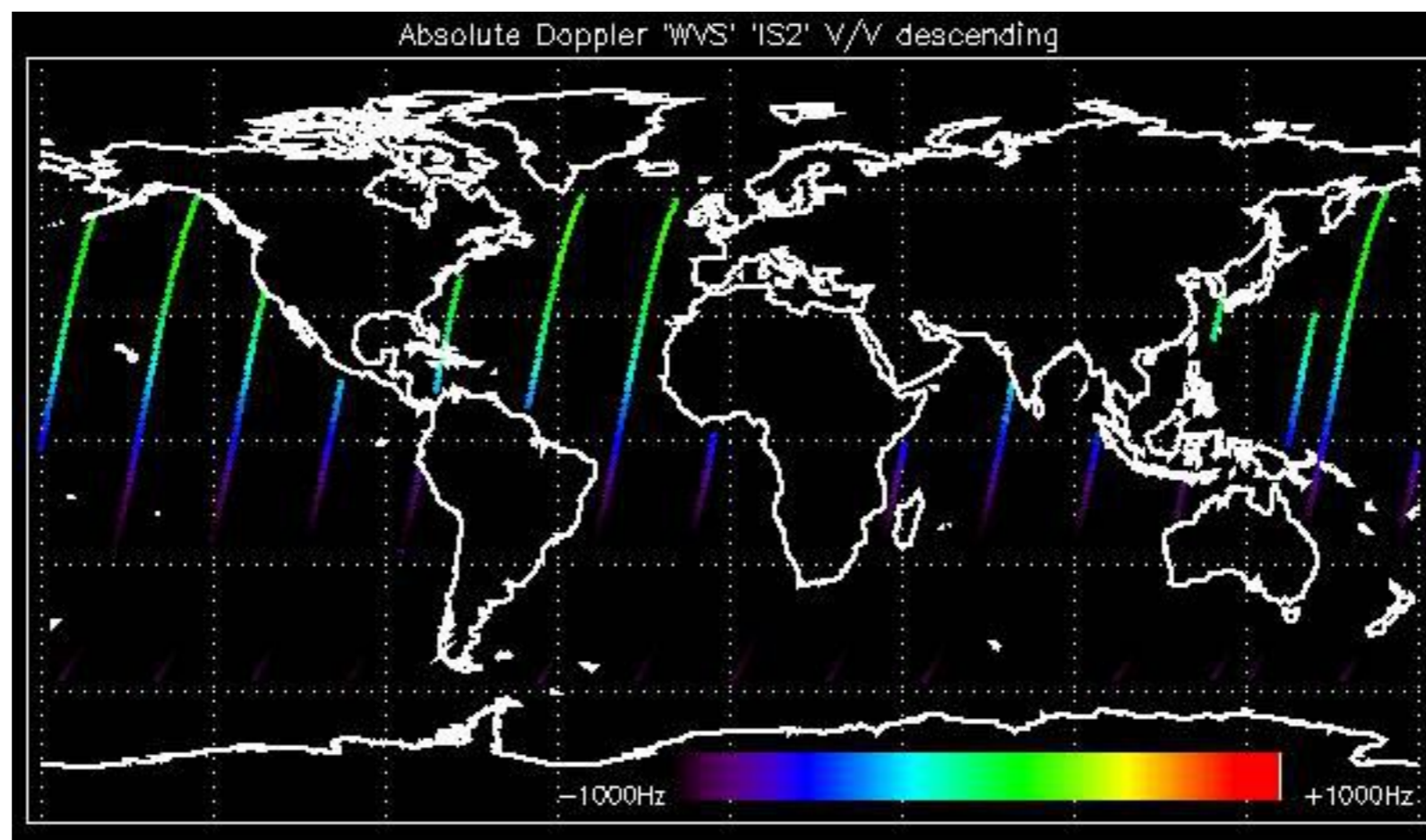
| Filename   | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion |     |     |       |     |      |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_WVS_1PNPDE20110412_235415_000008693101_00246_47674_2227.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_001825_000003753101_00246_47674_2229.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2231.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_004130_000003303101_00246_47674_2233.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_004615_000004643101_00246_47674_2243.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_005744_000009143101_00246_47674_2255.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47674 | 246 | 5.04 |
| ASA_WVS_1PNPDE20110413_013907_000001643101_00247_47675_2253.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_015133_000001343101_00247_47675_2250.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_015701_000004803101_00247_47675_2248.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_022150_000001043101_00247_47675_2244.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_022250_000002703101_00247_47675_2266.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_022150_000001043101_00247_47675_2244.N1 |      |     |             |          |          | IS1         | V/V | 101 | 47675 | 247 | 5.04 |
| ASA_WVS_1PNPDE20110413_024158_000004193101_00248_47676_2274.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WVS_1PNPDE20110413_032822_000006143101_00248_47676_2277.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WVS_1PNPDE20110413_033822_000002553101_00248_47676_2295.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WVS_1PNPDE20110413_040601_000009743101_00248_47676_2300.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47676 | 248 | 5.04 |
| ASA_WVS_1PNPDE20110413_050515_000009443101_00249_47677_2302.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47677 | 249 | 5.04 |
| ASA_WVS_1PNPDE20110413_052030_000003003101_00249_47677_2314.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47677 | 249 | 5.04 |
| ASA_WVS_1PNPDE20110413_050515_000009443101_00249_47677_2302.N1 |      |     |             |          |          | IS1         | V/V | 101 | 47677 | 249 | 5.04 |
| ASA_WVS_1PNPDE20110413_054212_000015143101_00249_47677_2317.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47677 | 249 | 5.04 |
| ASA_WVS_1PNPDE20110413_064932_000006293101_00250_47678_2329.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47678 | 250 | 5.04 |
| ASA_WVS_1PNPDK20110413_065947_000003603101_00250_47678_9462.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47678 | 250 | 5.04 |
| ASA_WVS_1PNPDK20110413_072226_000019493101_00250_47678_9465.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47678 | 250 | 5.04 |
| ASA_WVS_1PNPDK20110413_083716_000005253101_00251_47679_9503.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47679 | 251 | 5.04 |
| ASA_WVS_1PNPDK20110413_090240_000019793101_00251_47679_9505.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47679 | 251 | 5.04 |
| ASA_WVS_1PNPDK20110413_100929_000010043101_00252_47680_9539.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47680 | 252 | 5.04 |
| ASA_WVS_1PNPDK20110413_104245_000018443101_00252_47680_9542.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47680 | 252 | 5.04 |
| ASA_WVS_1PNPDK20110413_113348_000019643101_00253_47681_9577.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47681 | 253 | 5.04 |
| ASA_WVS_1PNPDK20110413_122259_000004053101_00253_47681_9579.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47681 | 253 | 5.04 |
| ASA_WVS_1PNPDK20110413_123440_000001043101_00253_47681_9578.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47681 | 253 | 5.04 |
| ASA_WVS_1PNPDK20110413_123908_000005703101_00253_47681_9585.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47681 | 253 | 5.04 |
| ASA_WVS_1PNPDK20110413_131347_000008543101_00254_47682_9615.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47682 | 254 | 5.04 |
| ASA_WVS_1PNPDK20110413_140313_000004353101_00254_47682_9618.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47682 | 254 | 5.04 |
| ASA_WVS_1PNPDK20110413_142320_000000743101_00255_47683_9620.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47683 | 255 | 5.04 |
| ASA_WVS_1PNPDK20110413_145930_000004643101_00255_47683_9632.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47683 | 255 | 5.04 |
| ASA_WVS_1PNPDK20110413_151232_000008543101_00255_47683_9635.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47683 | 255 | 5.04 |
| ASA_WVS_1PNPDK20110413_154327_000013343101_00255_47683_9638.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47683 | 255 | 5.04 |
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| ASA_WVS_1PNPDK20110413_172347_000013943101_00256_47684_9672.N1 |      |     |             |          |          | IS2         | V/V | 101 | 47684 | 256 | 5.04 |
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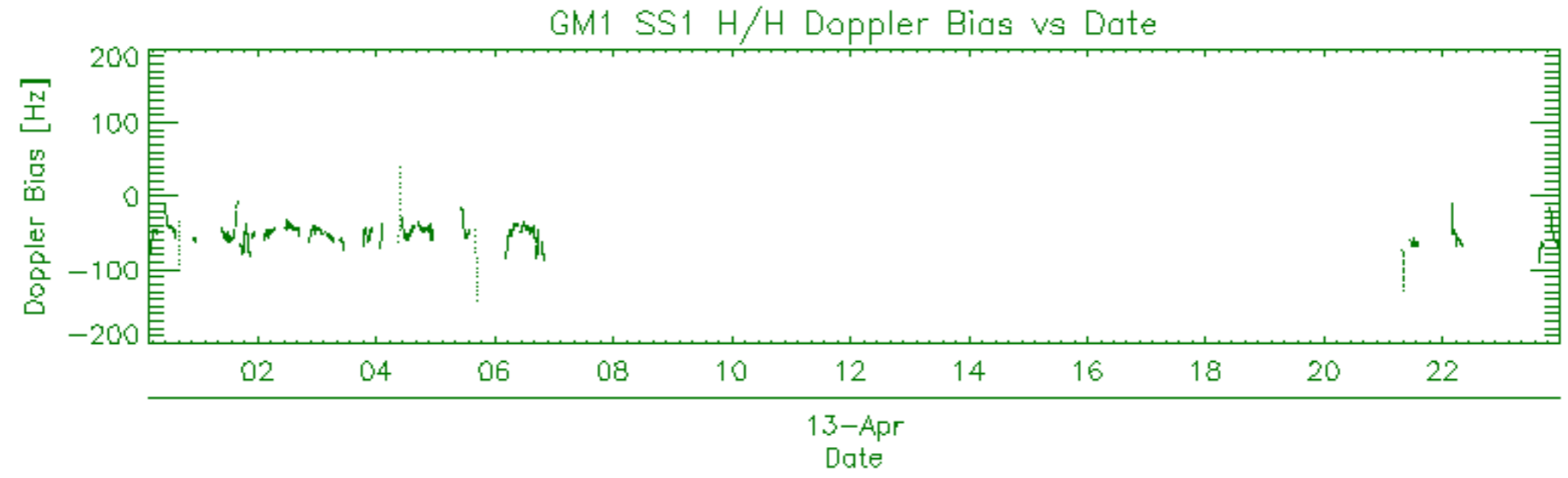
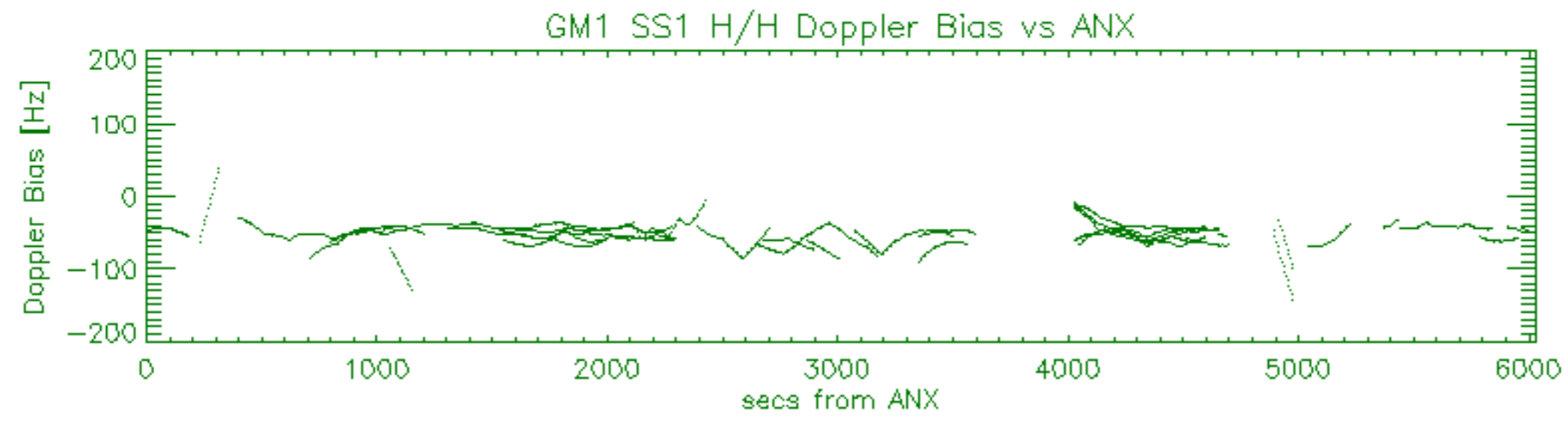
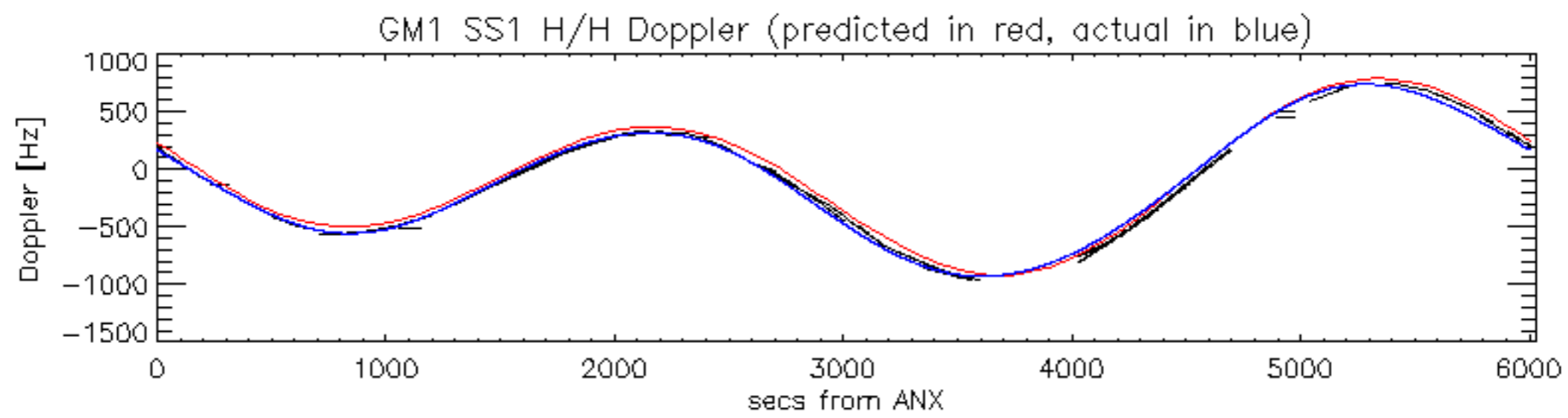


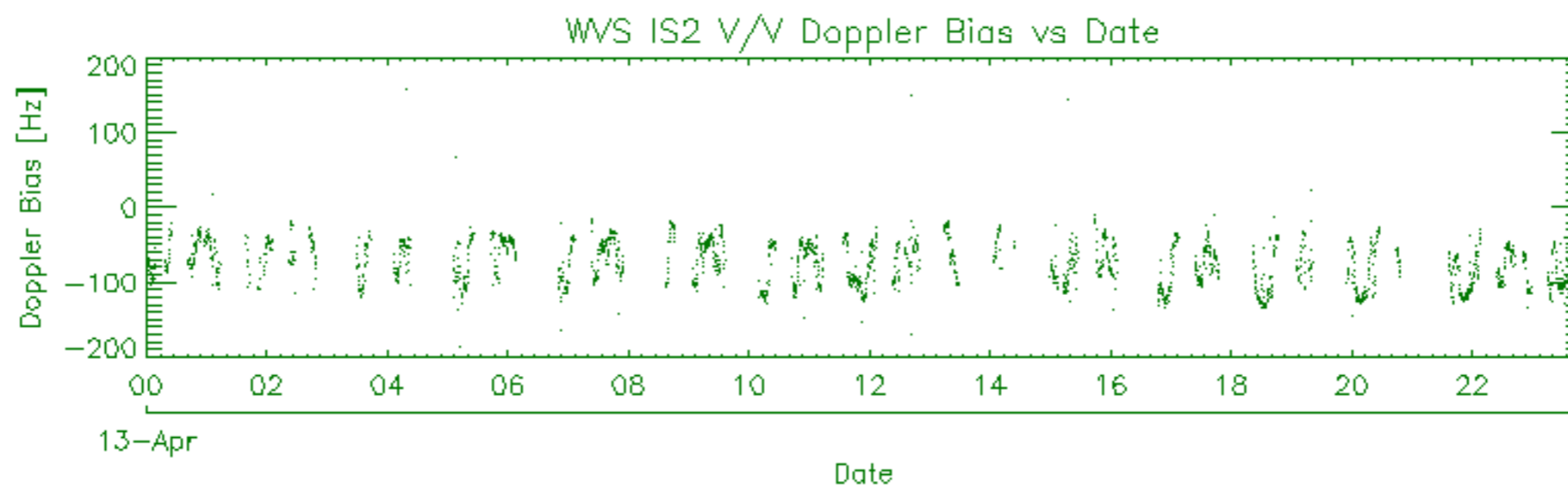
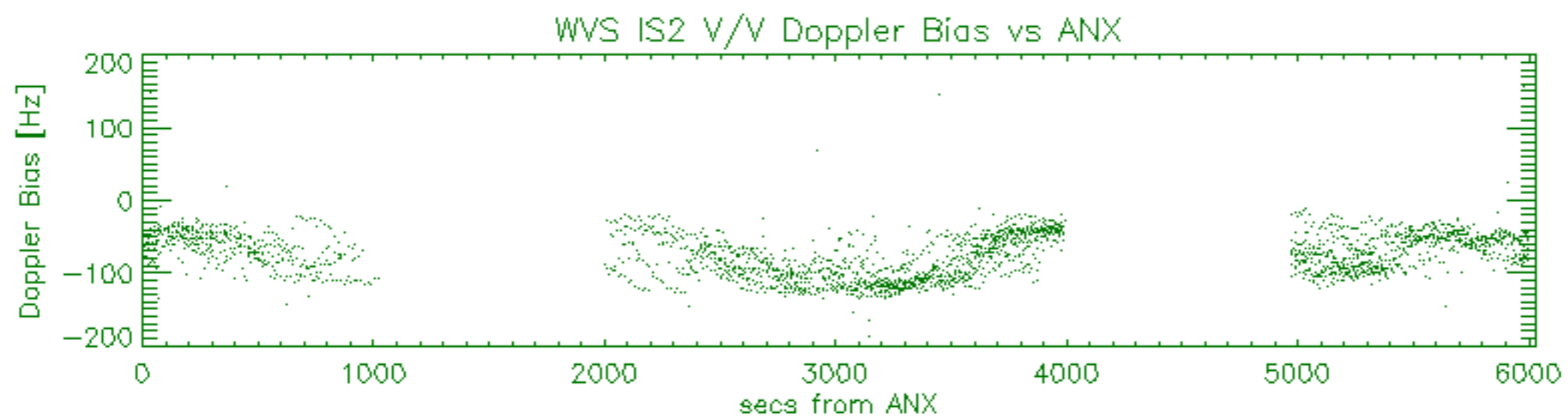
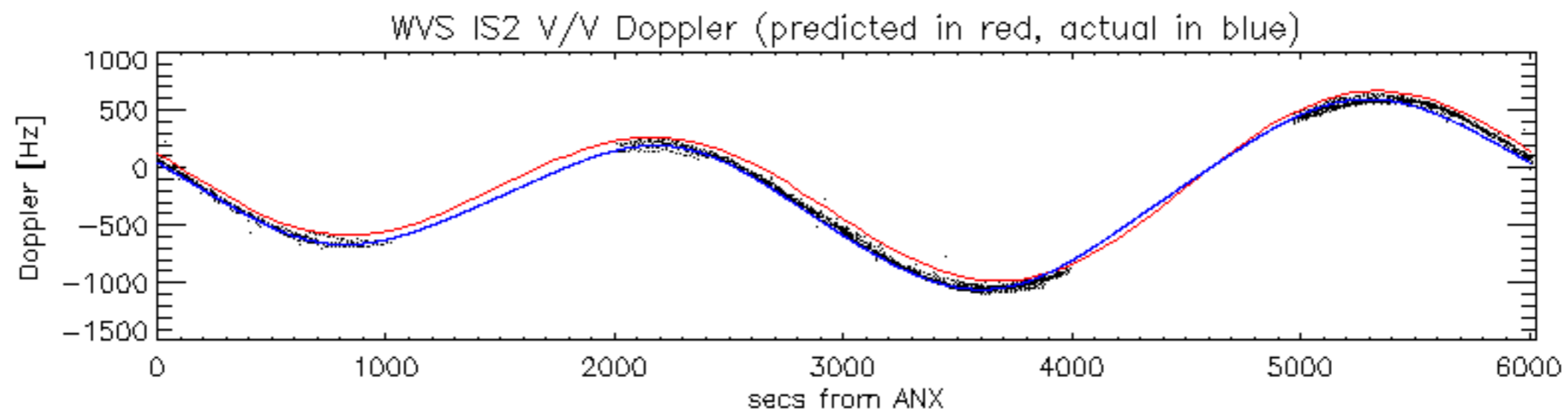


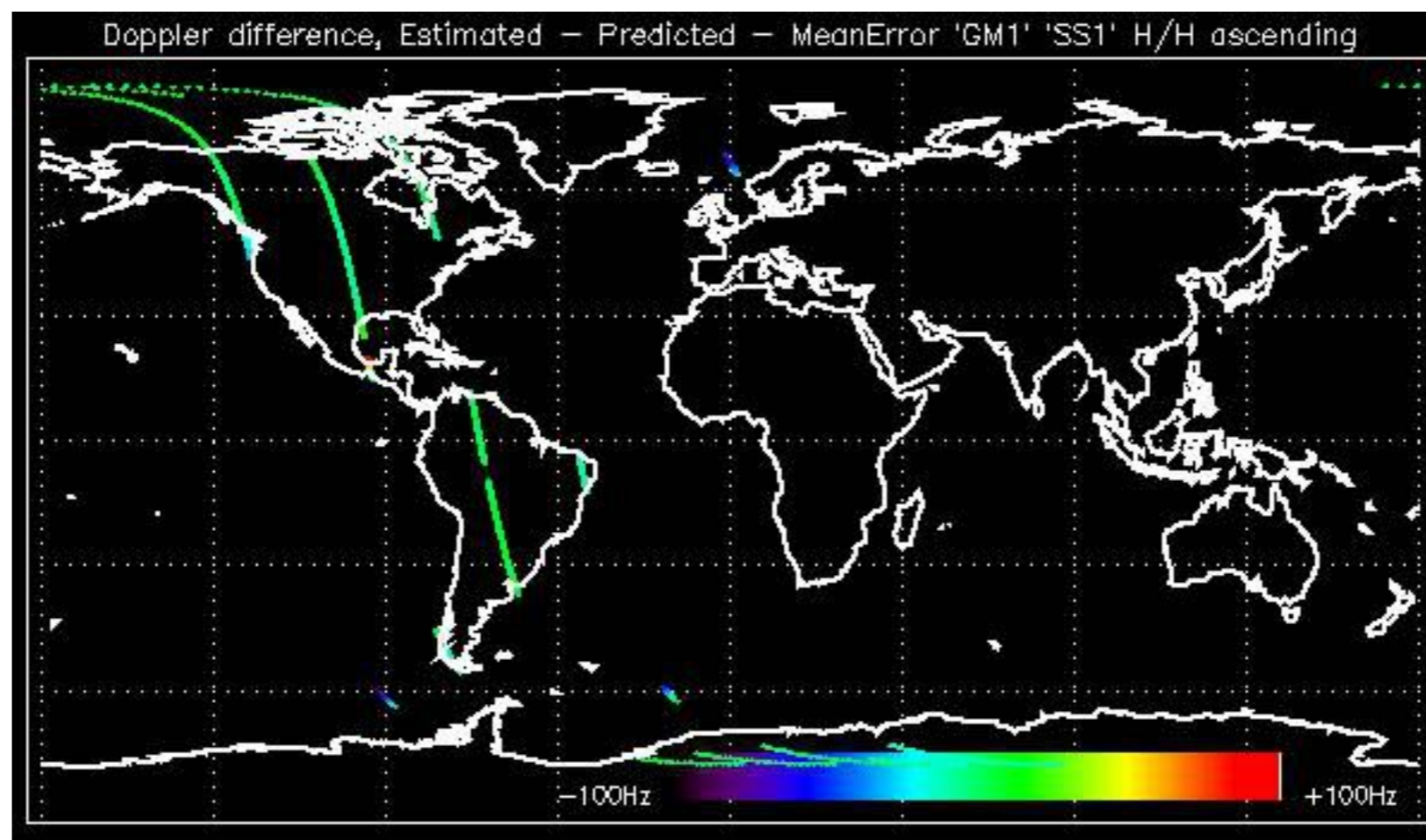


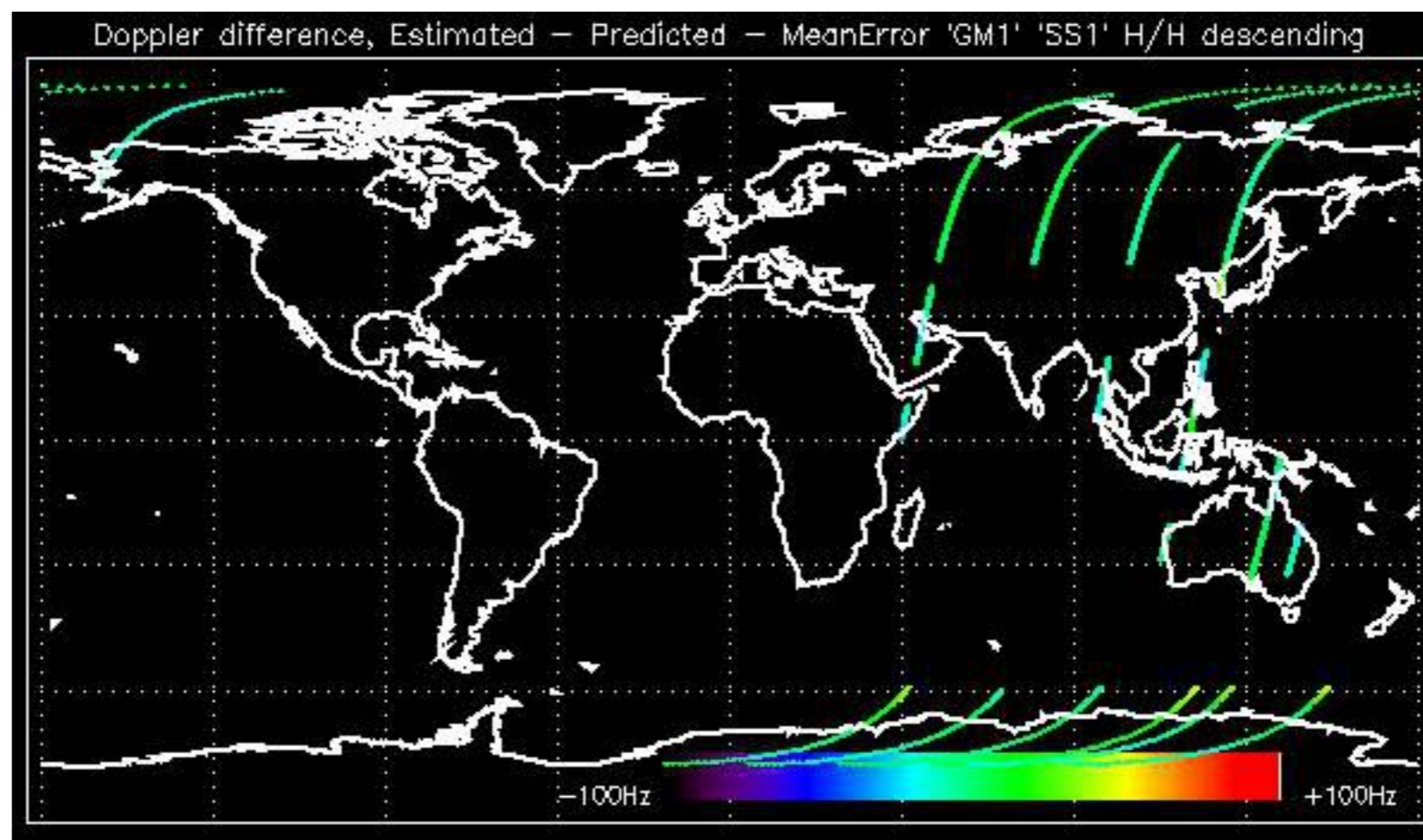


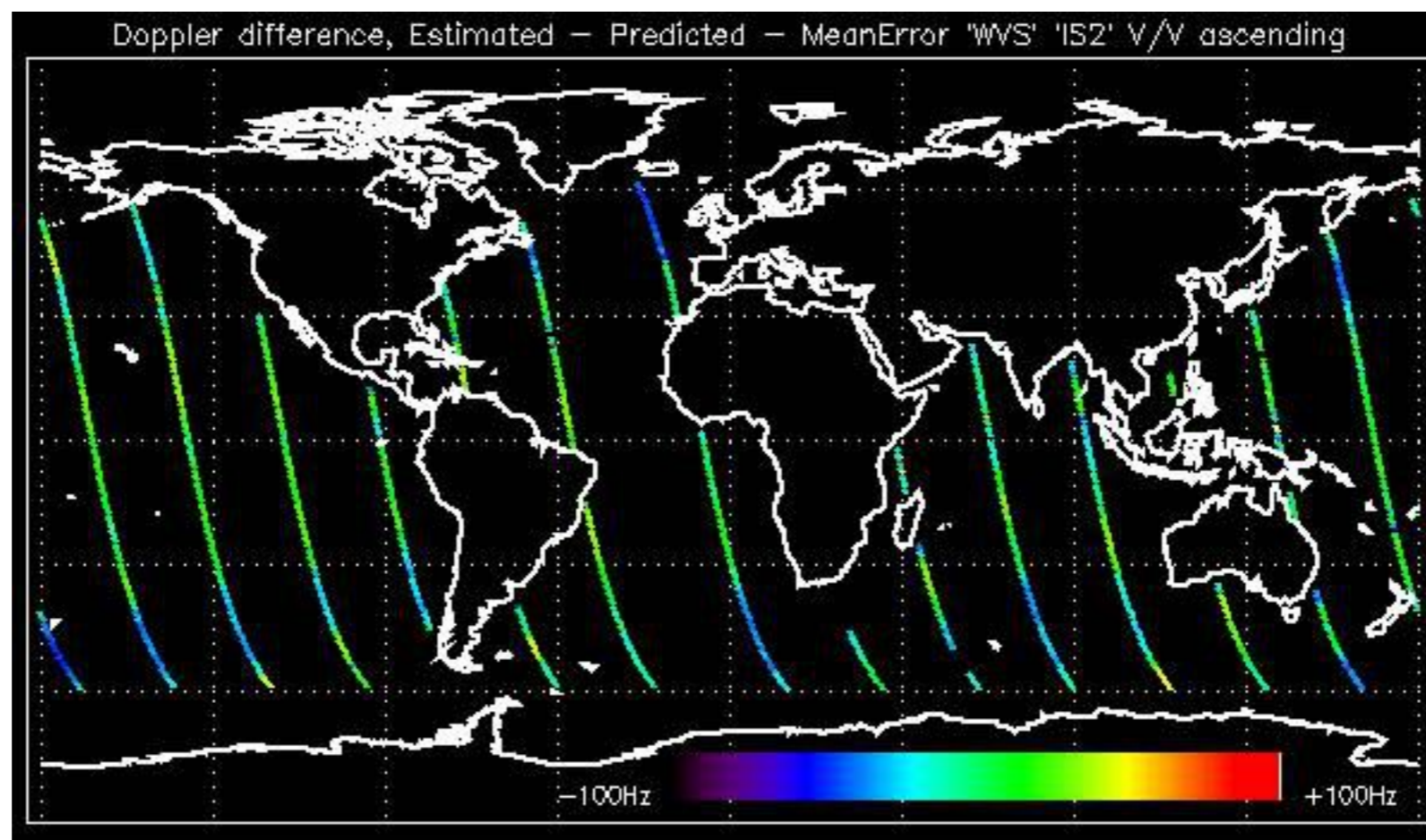




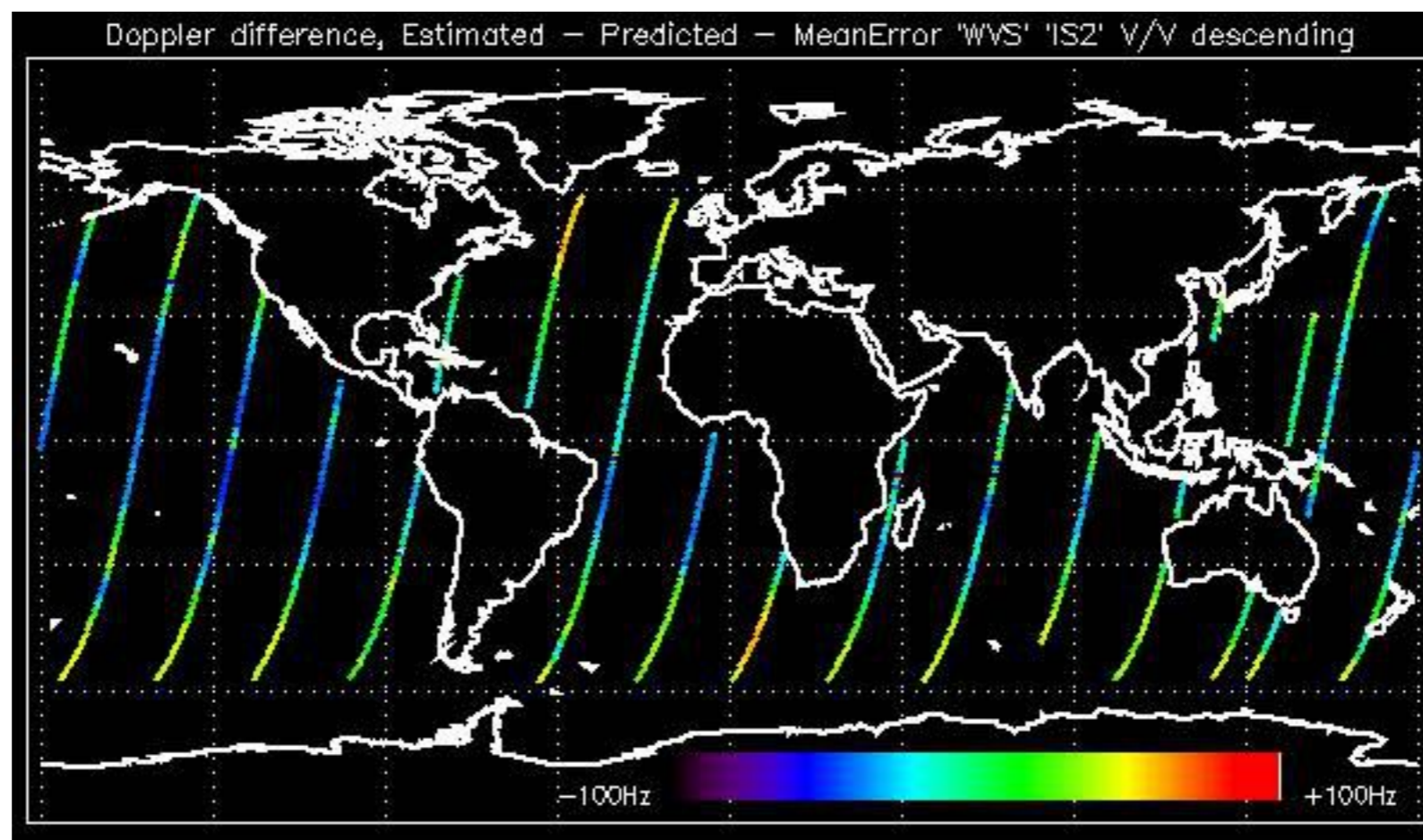


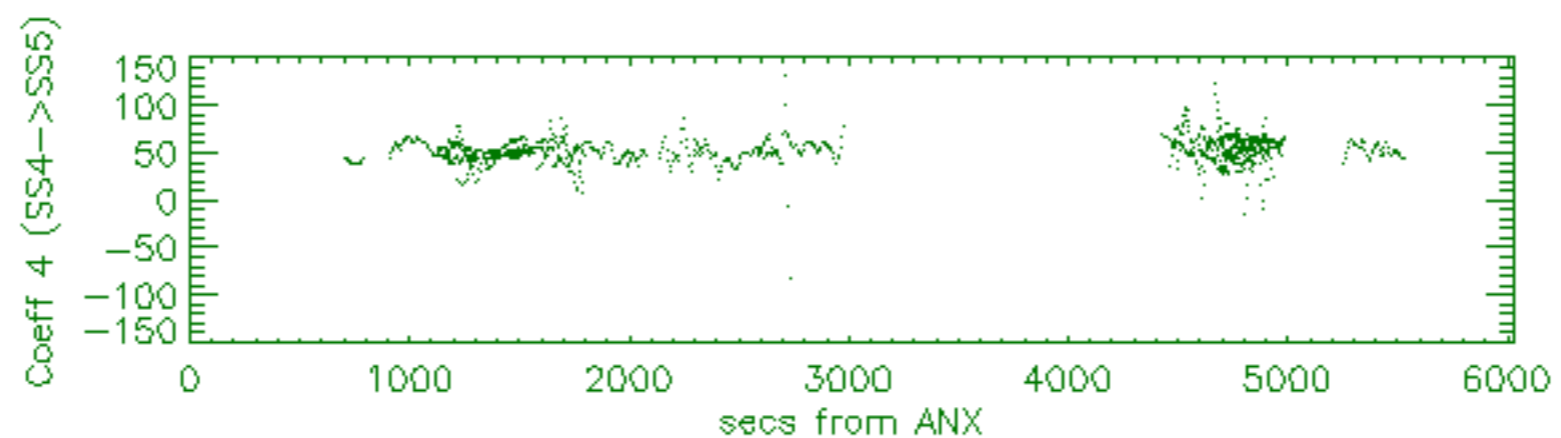
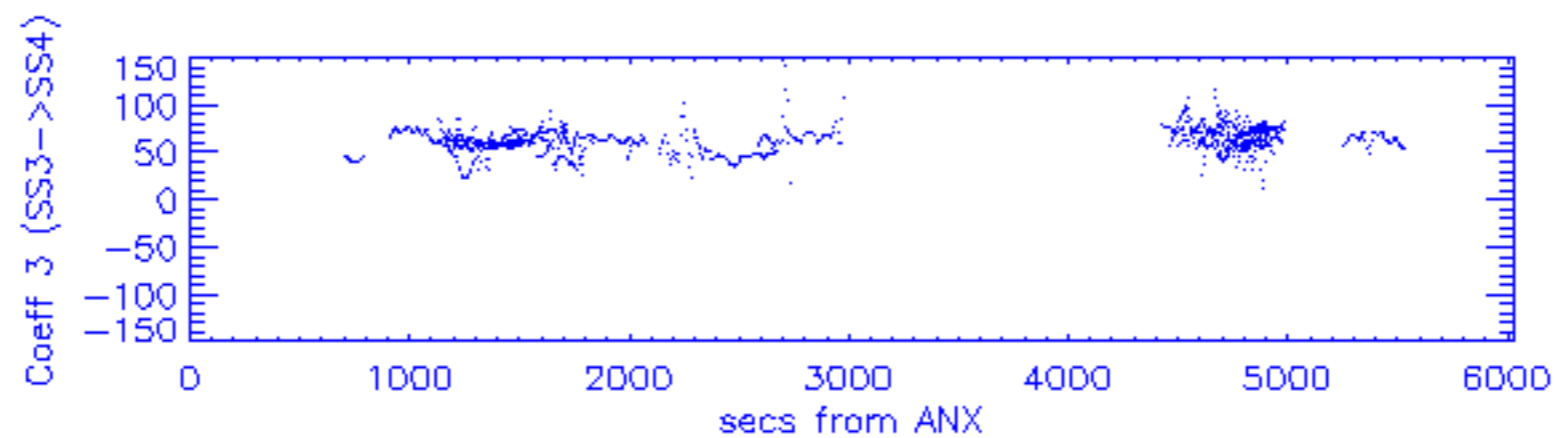
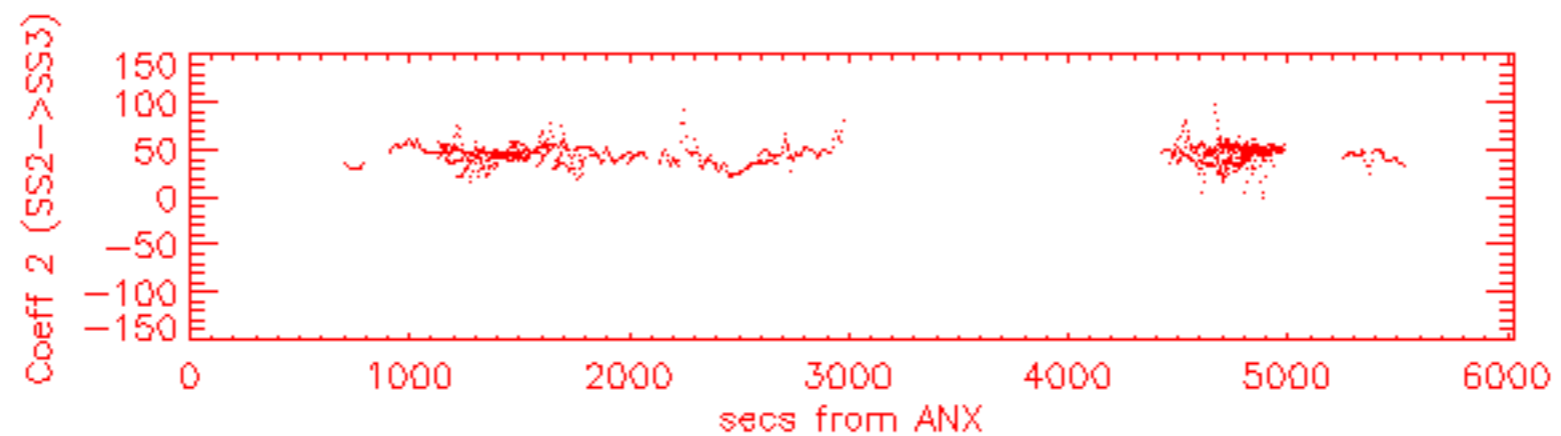
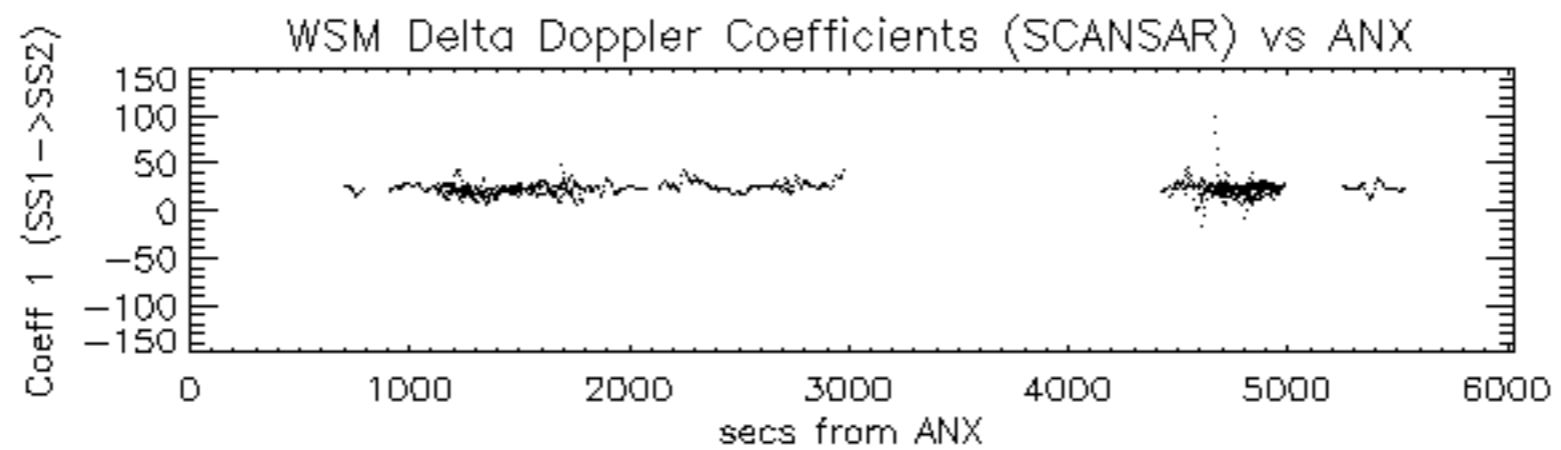


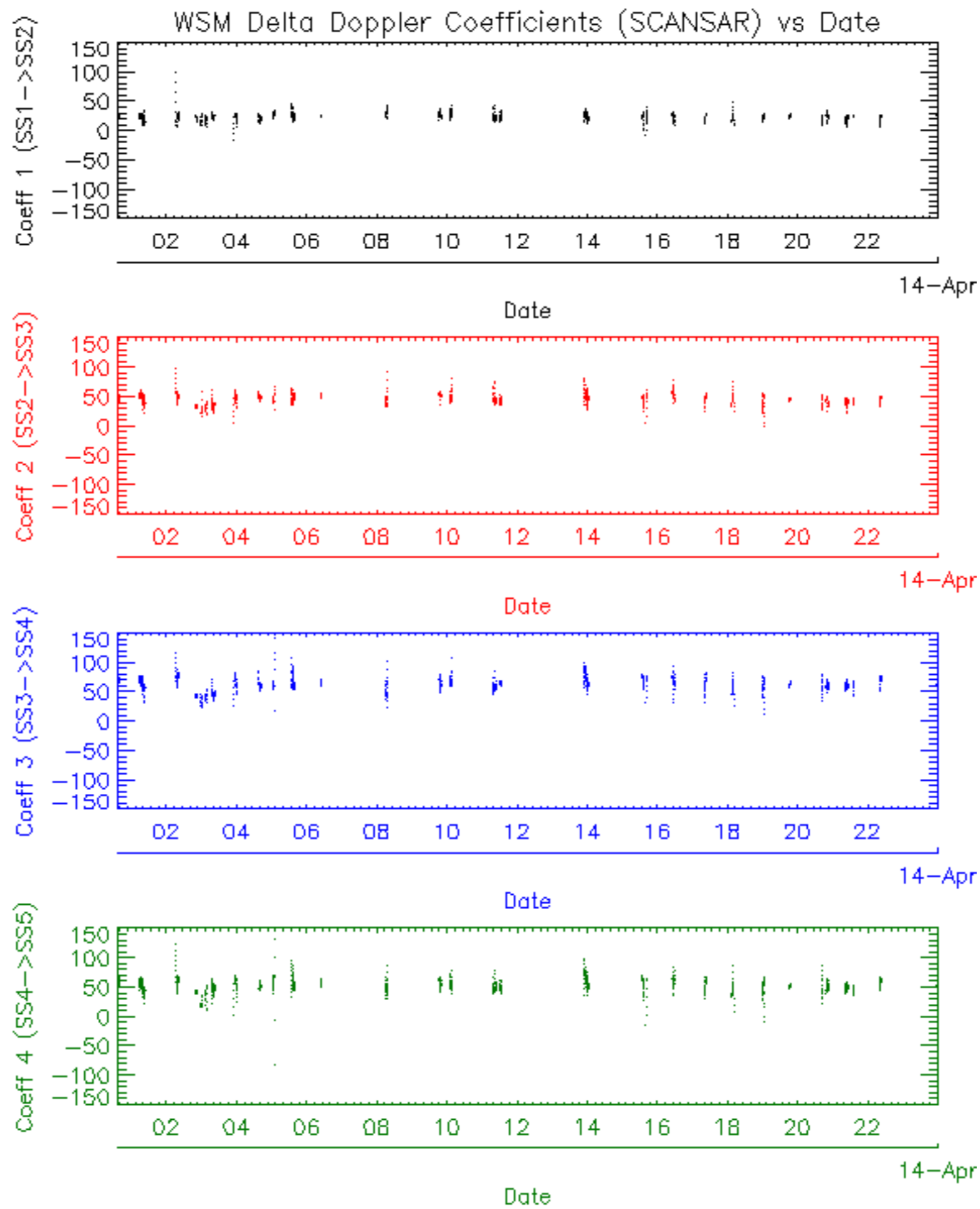




















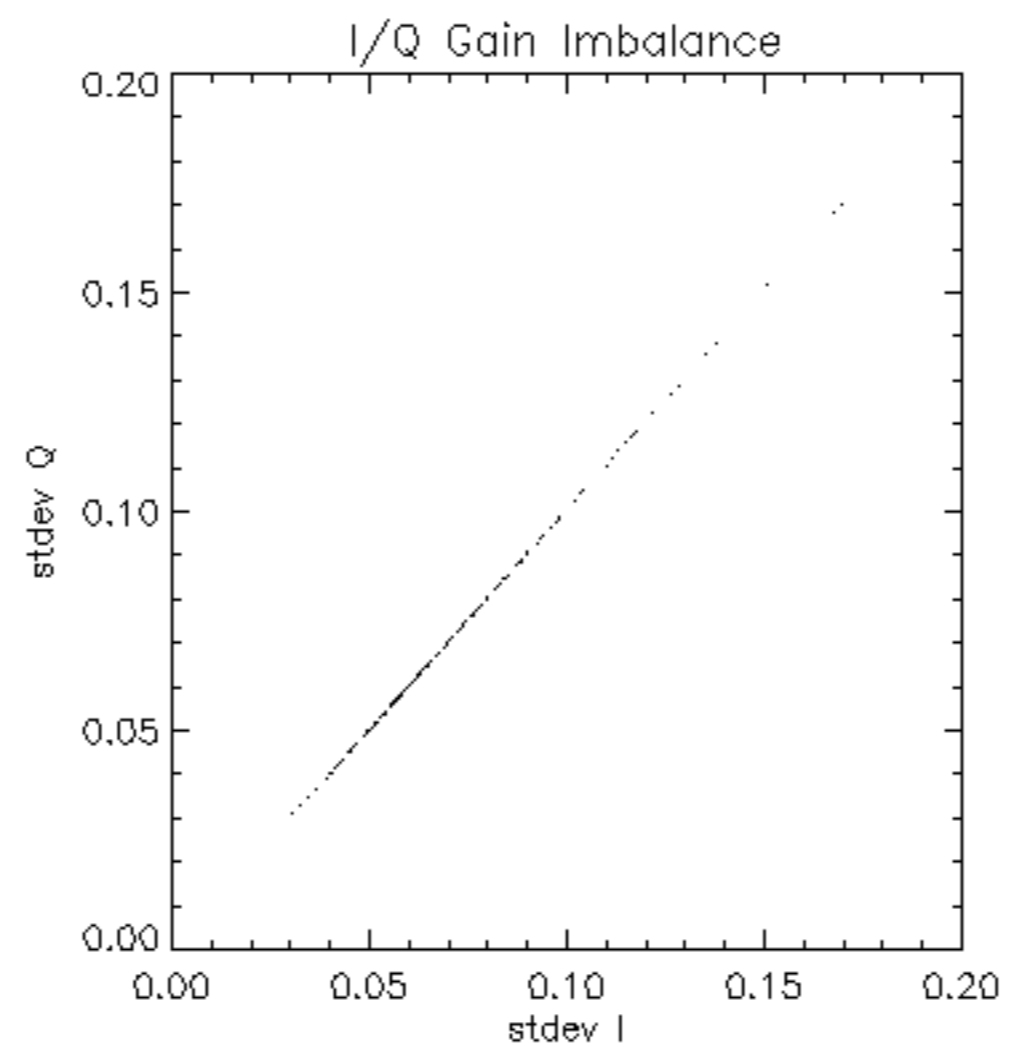


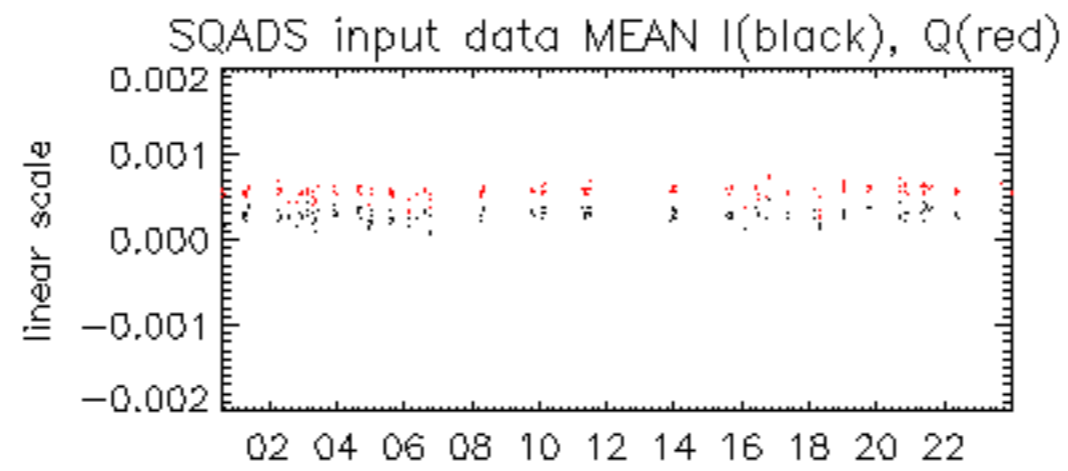




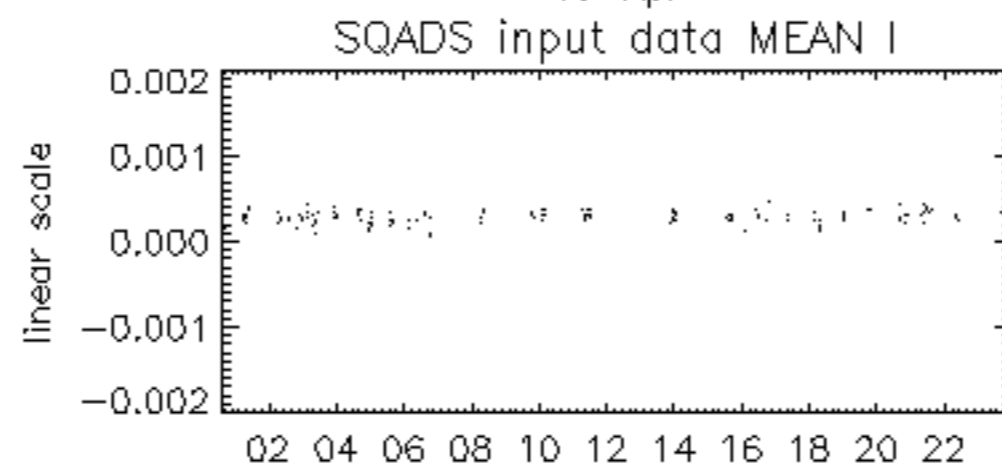




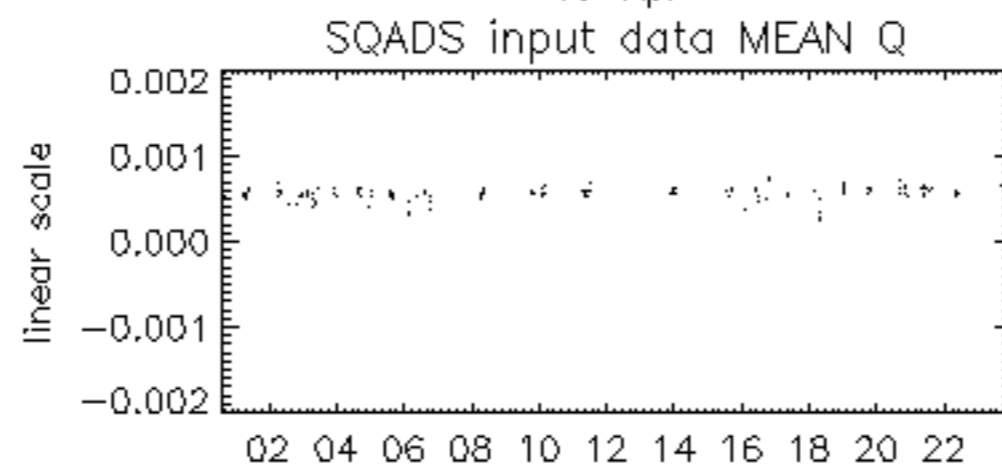




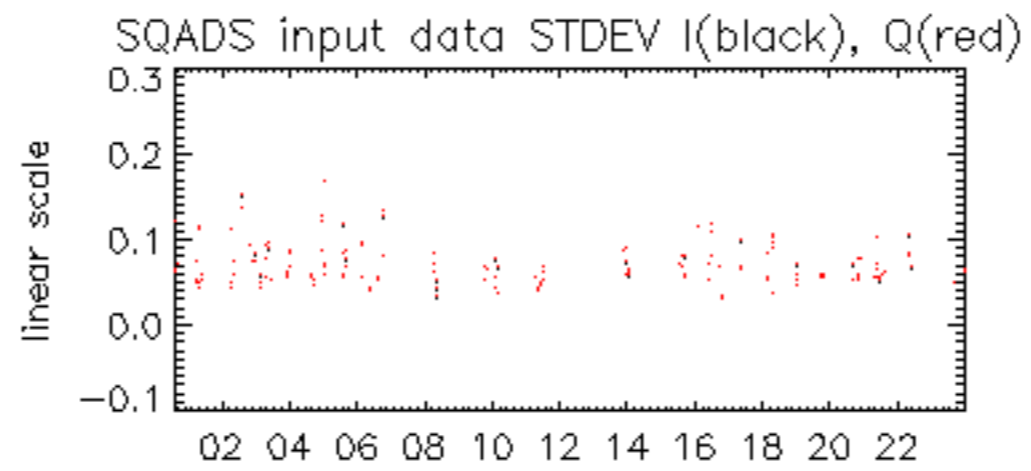
13-Apr



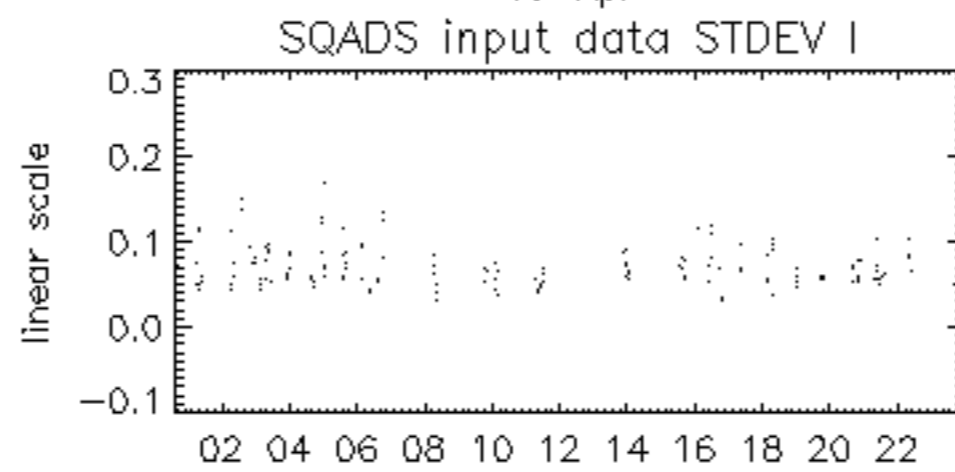
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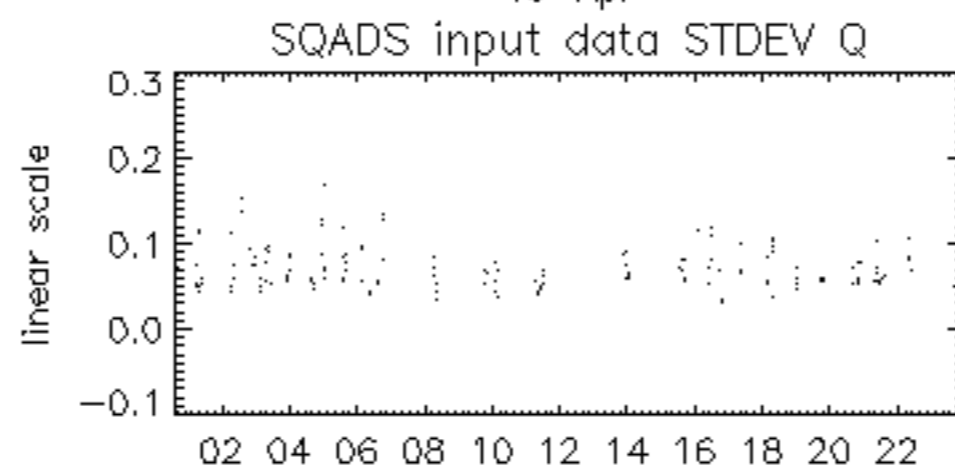
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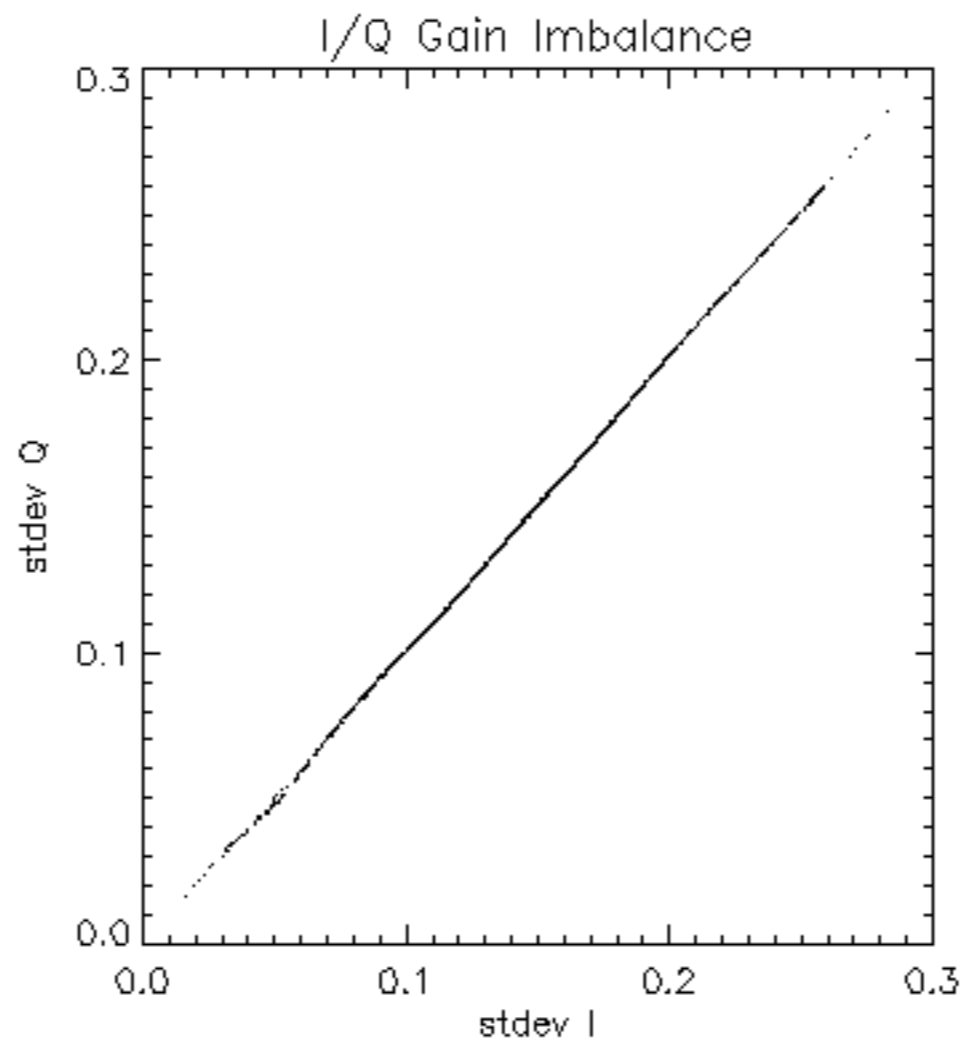
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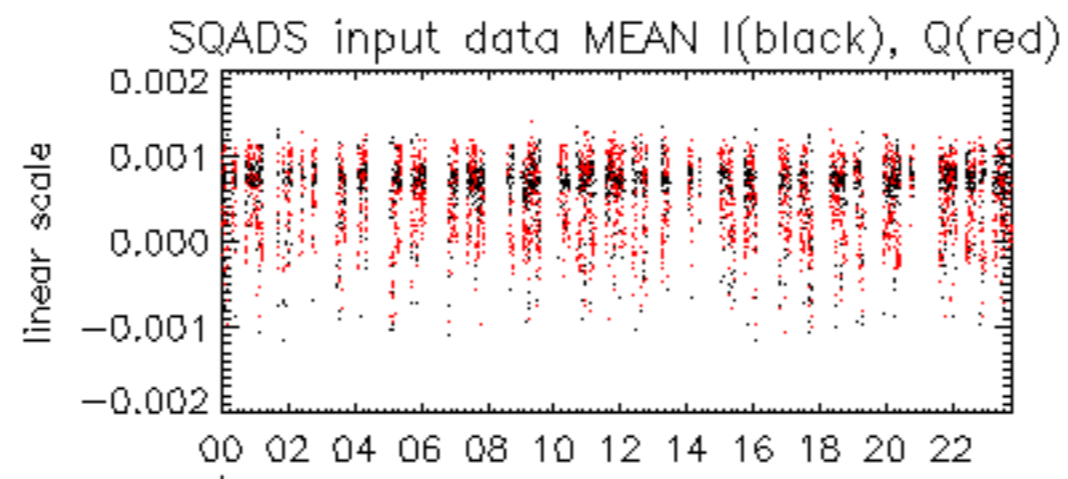


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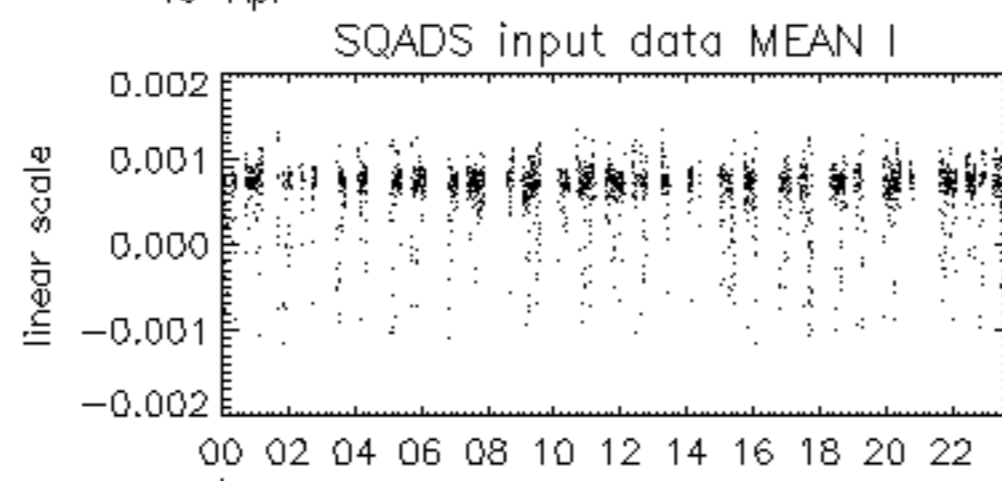


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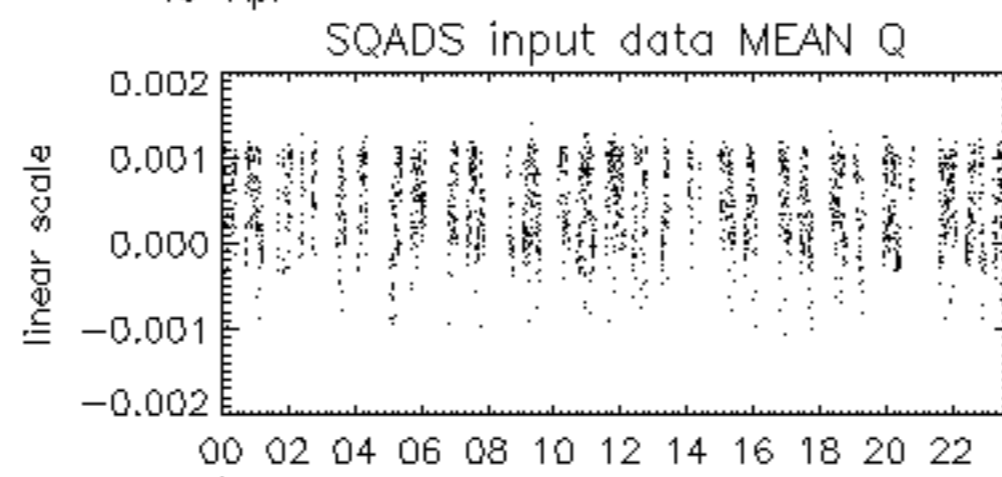




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