



ASAR Daily Report



Analysis from 07-APR-2009 00:00:00 to 07-APR-2009 13:00:01. Page generated on 07-APR-2009 13:08:16.
View log file: ASAR_Daily_Report_20090407_1300.log. For any anomalies please contact mtranfaglia@serco.it, Emma.Griffiths@vega.co.uk.

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

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1 - DATA SUMMARY

1.1 - Summary tables

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| WVS | | | | GM1 | | | | APM | | | | IMM | | | | WSM | | | | MS | | | | | | | |
|--------|------|-----|---|--------|------|-----|----|--------|------|-----|---|--------|------|-----|---|--------|------|-----|---|--------|------|-----|---------|--|--|--|--|
| Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Time | Pol | Modules | | | | |
| PDK | IS2 | V/V | 6 | PDK | WS | H/H | 11 | | | | | PDK | IS2 | V/V | 1 | PDE | WS | H/H | 2 | | | | | | | | |
| | | | | | | | | | | | | PDE | WS | V/V | 1 | | | | | | | | | | | | |

1.2 - Lists of products used

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[[TXT](#)] [[XLS](#)] [List_WVS_products_used](#)
 [[TXT](#)] [[XLS](#)] [List_GM1_products_used](#)
 [[TXT](#)] [[XLS](#)] [List_IMM_products_used](#)
 [[TXT](#)] [[XLS](#)] [List_WSM_products_used](#)

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

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| ADFs disseminated for ASAR |
|---------------------------------------------------------------|
| ASA_CON_AXVIEC20081215_141339_20070204_165113_20091231_000000 |
| ASA_INS_AXVIEC20081215_140905_20070307_060000_20091231_000000 |
| ASA_XCH_AXVIEC20081215_143642_20020301_000000_20091231_000000 |
| ASA_XCA_AXVIEC20090311_104501_20080801_000000_20091231_235959 |

2.2 - Products with wrong ADFs

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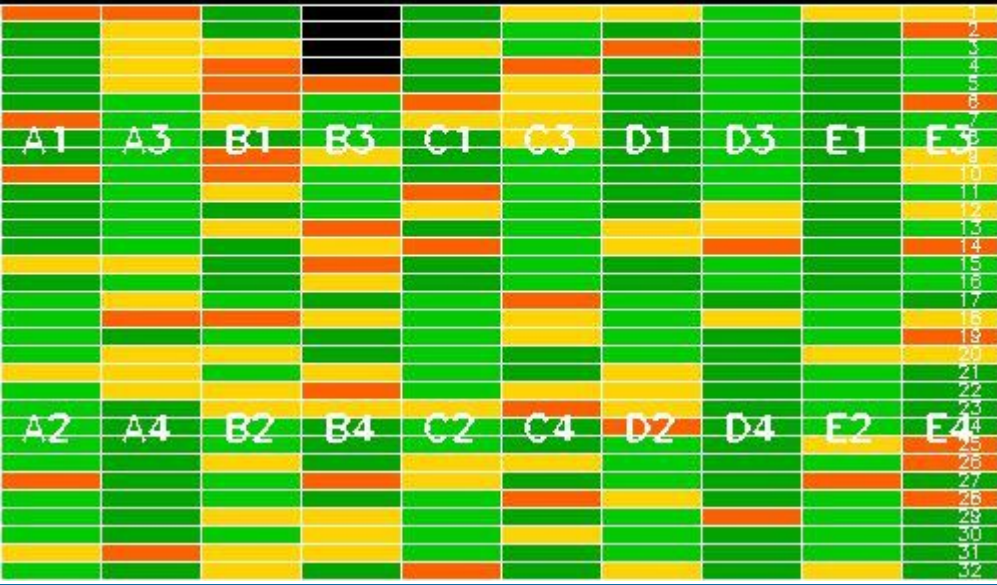
| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|---------|---------|---------|---------|---------|
| WVS | 0 | 0 | 0 | 0 |
| GM1 | 0 | 0 | 0 | 0 |
| IMM | 0 | 0 | 0 | 0 |
| WSM | 0 | 0 | 0 | 0 |

[[TXT](#)] [[XLS](#)] [Check_ADFs_WVS](#)
 [[TXT](#)] [[XLS](#)] [Check_ADFs_GM1](#)
 [[TXT](#)] [[XLS](#)] [Check_ADFs_IMM](#)
 [[TXT](#)] [[XLS](#)] [Check_ADFs_WSM](#)

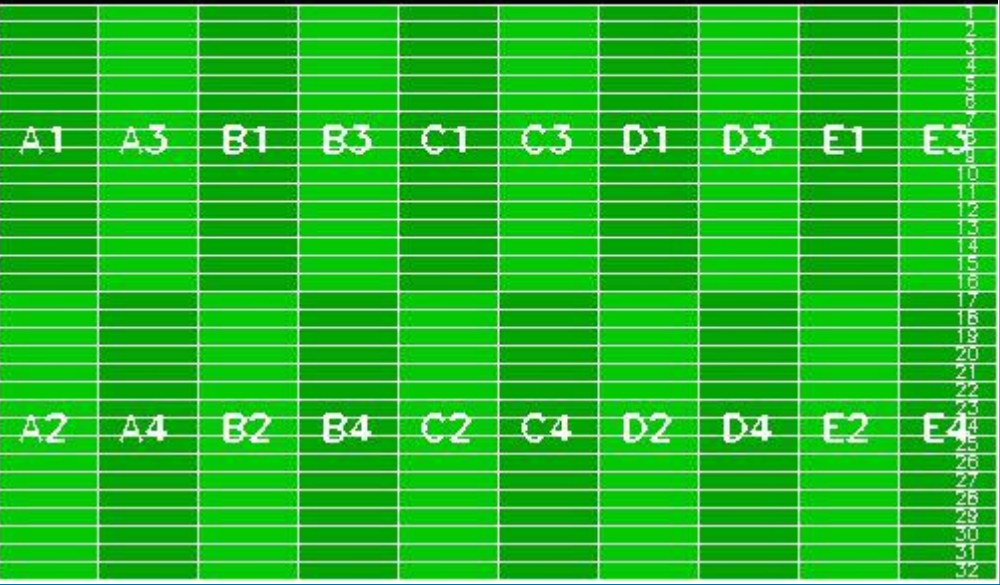
3 - MODULE STEPPING PRODUCTS ANALYSIS

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

Reference: 2005-09-23 05:55:14 V RxGain
 Test : 2009-04-06 18:05:03 V



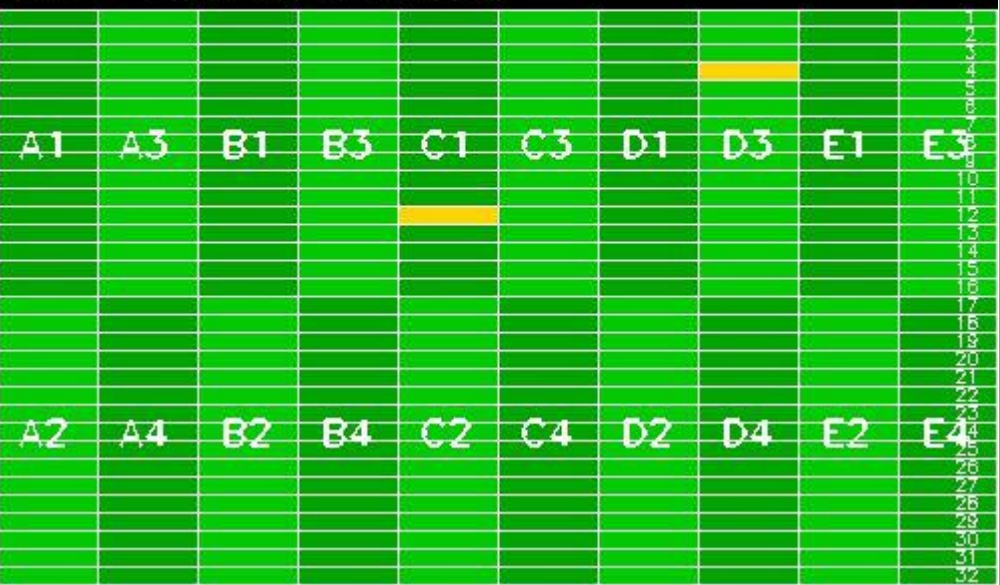
Reference: 2009-04-04 20:48:53 V RxGain
 Test : 2009-04-06 18:05:03 V

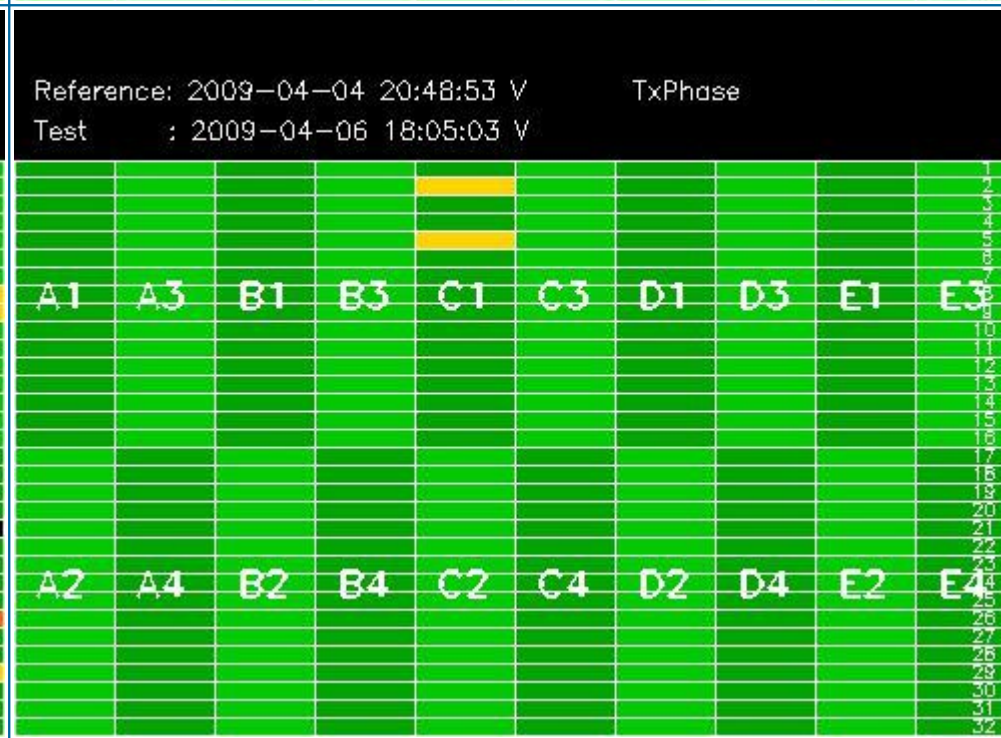
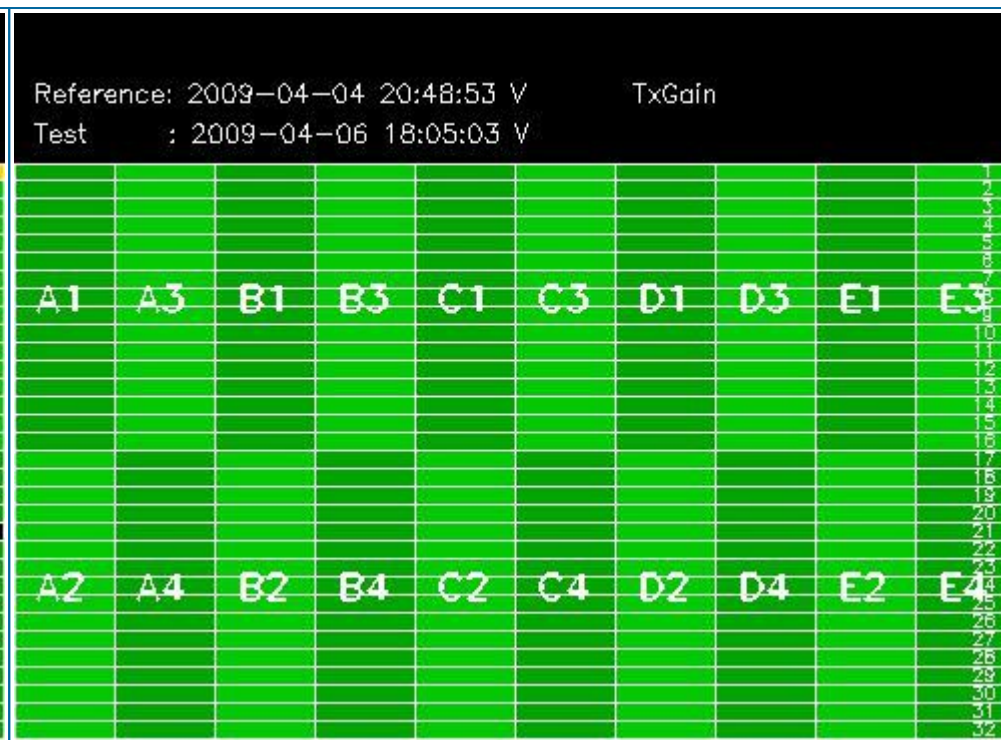
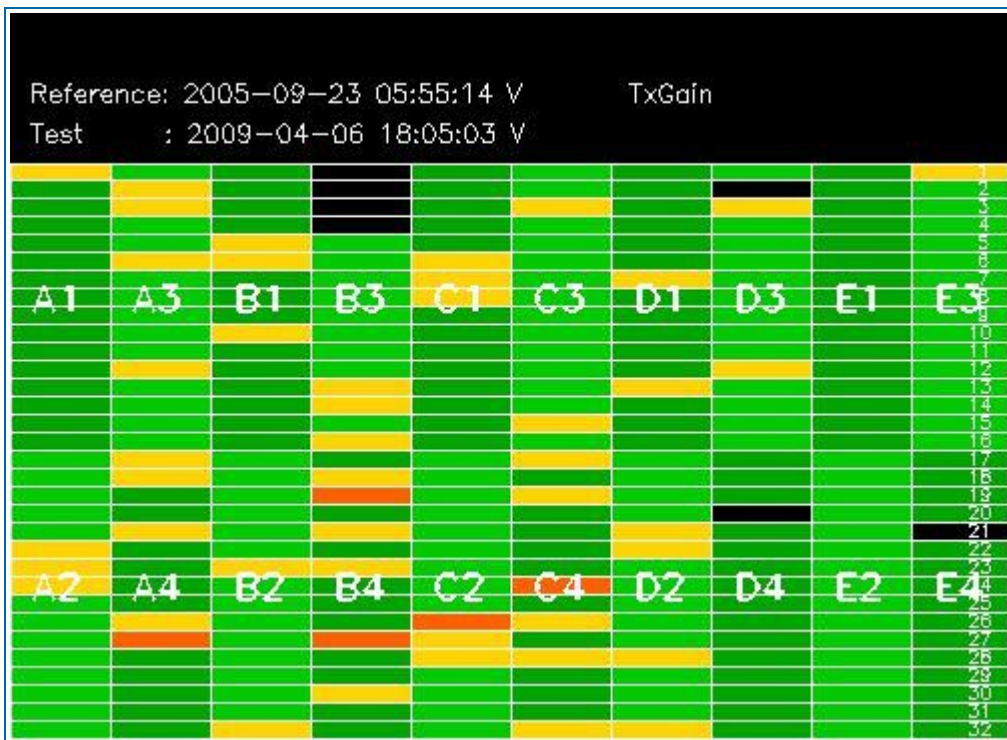


Reference: 2005-09-23 05:55:14 V RxPhase
 Test : 2009-04-06 18:05:03 V



Reference: 2009-04-04 20:48:53 V RxPhase
 Test : 2009-04-06 18:05:03 V

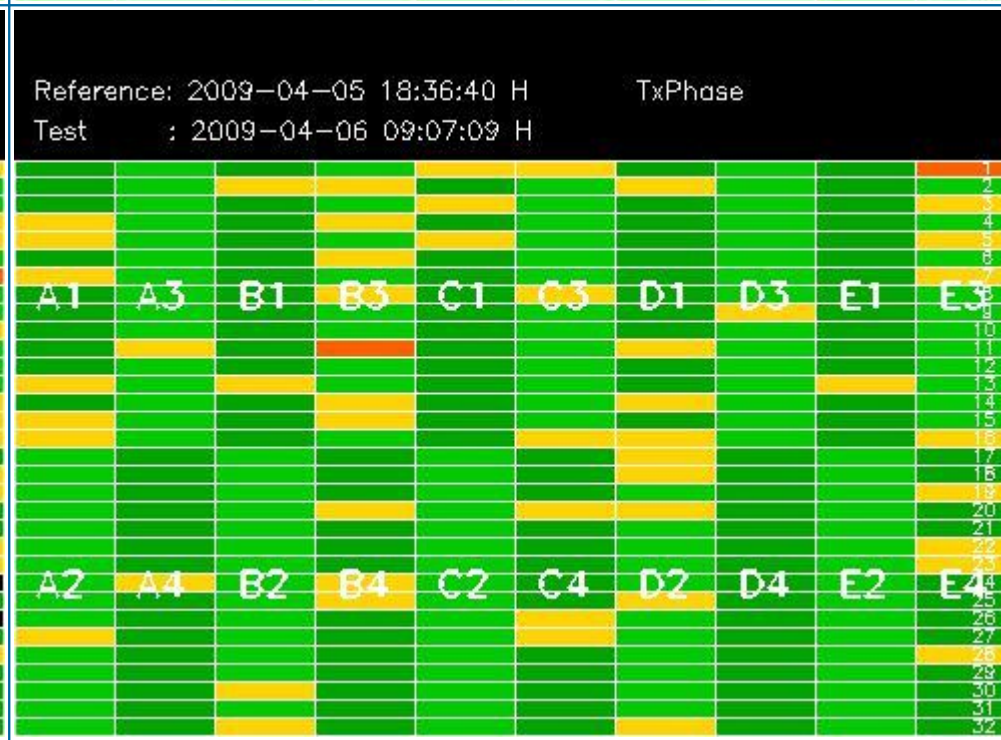
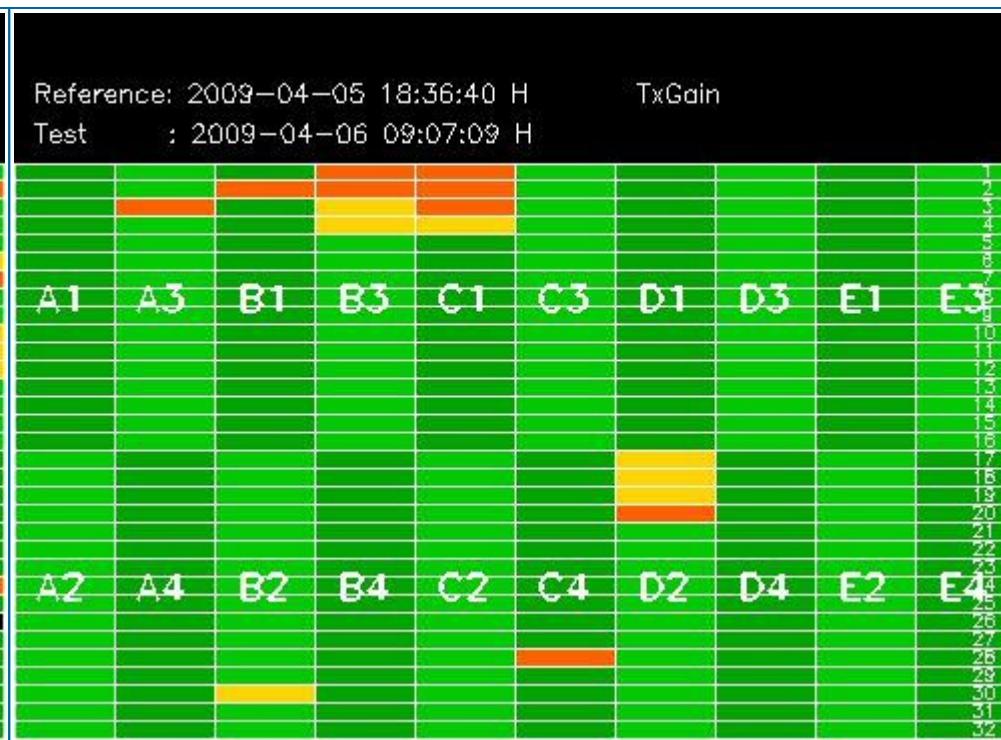
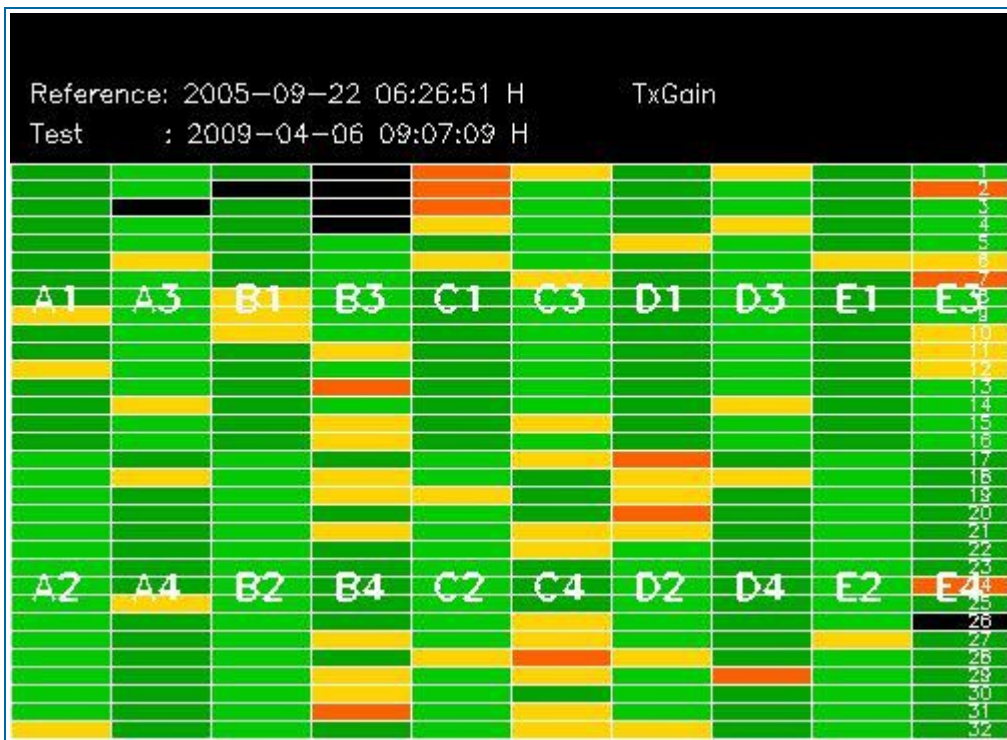




3.2 - H/H polarisation

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



4 - CALIBRATION PULSES ANALYSIS

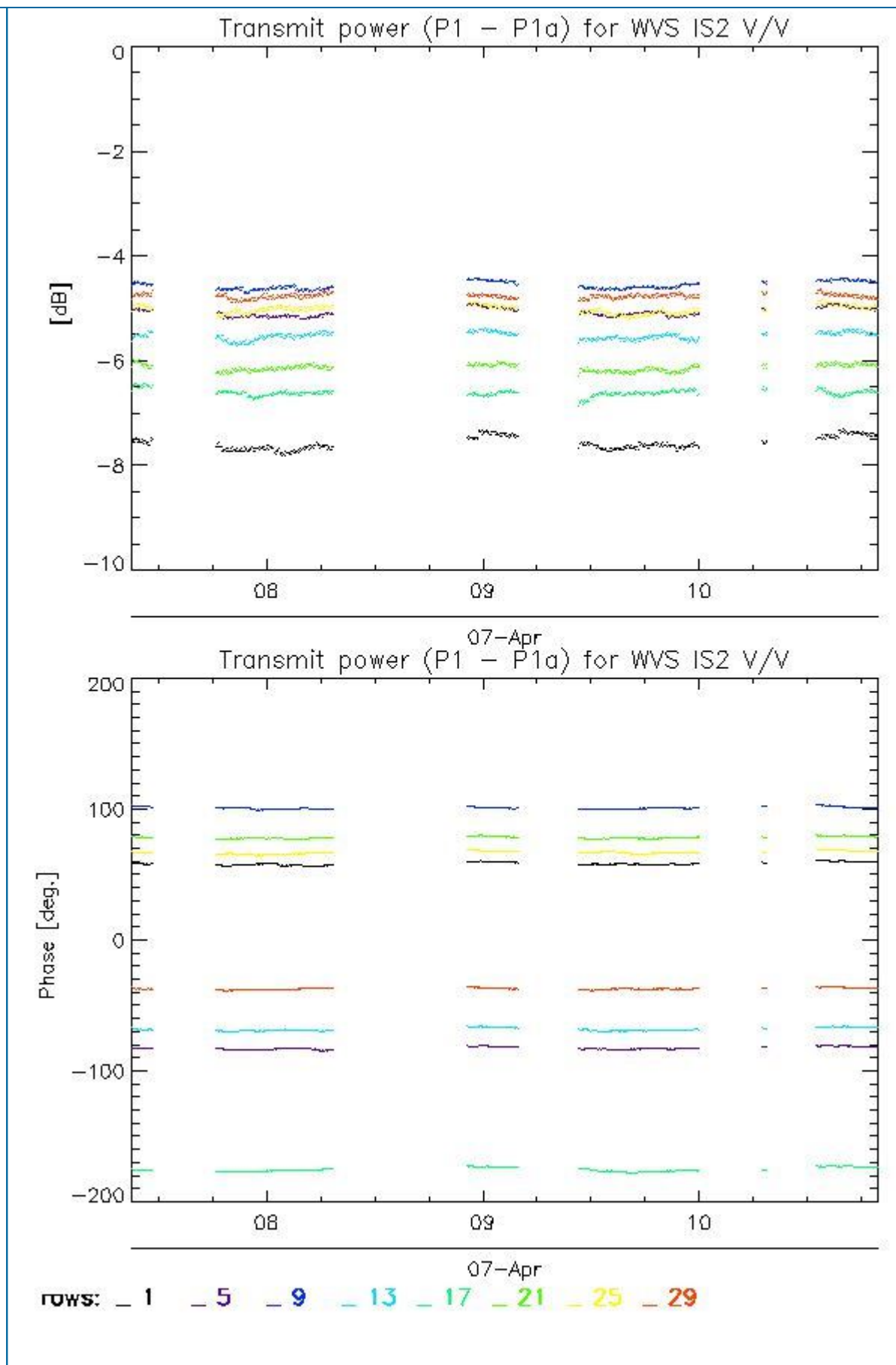
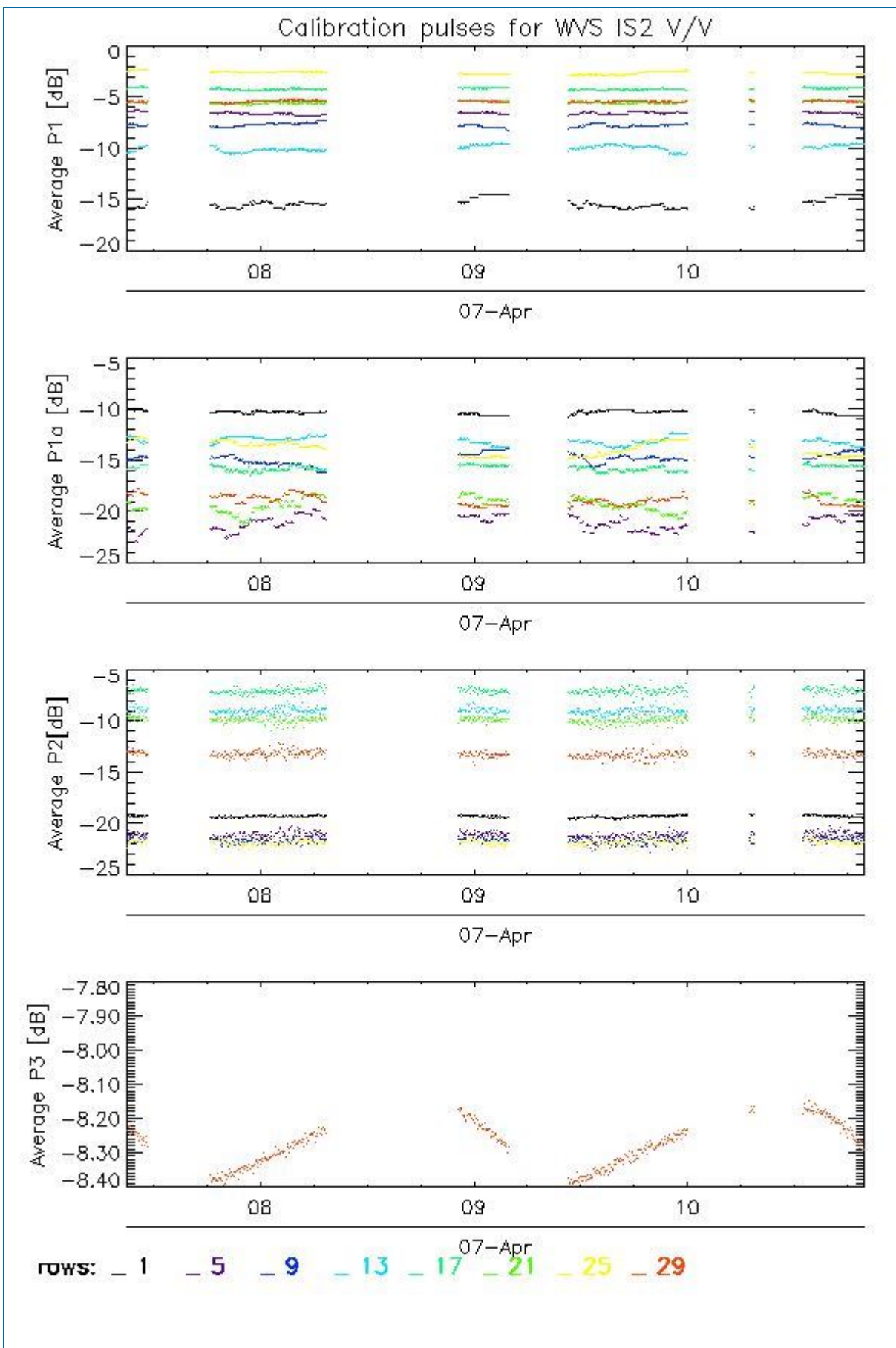
4.1 - Analysis for WVS IS2 V/V

4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

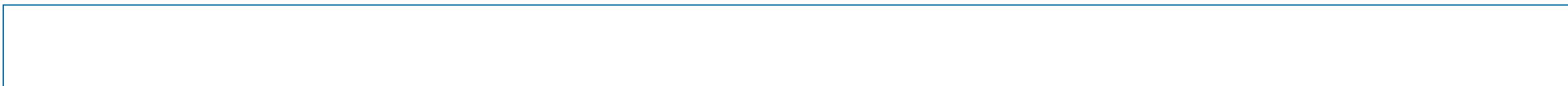
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

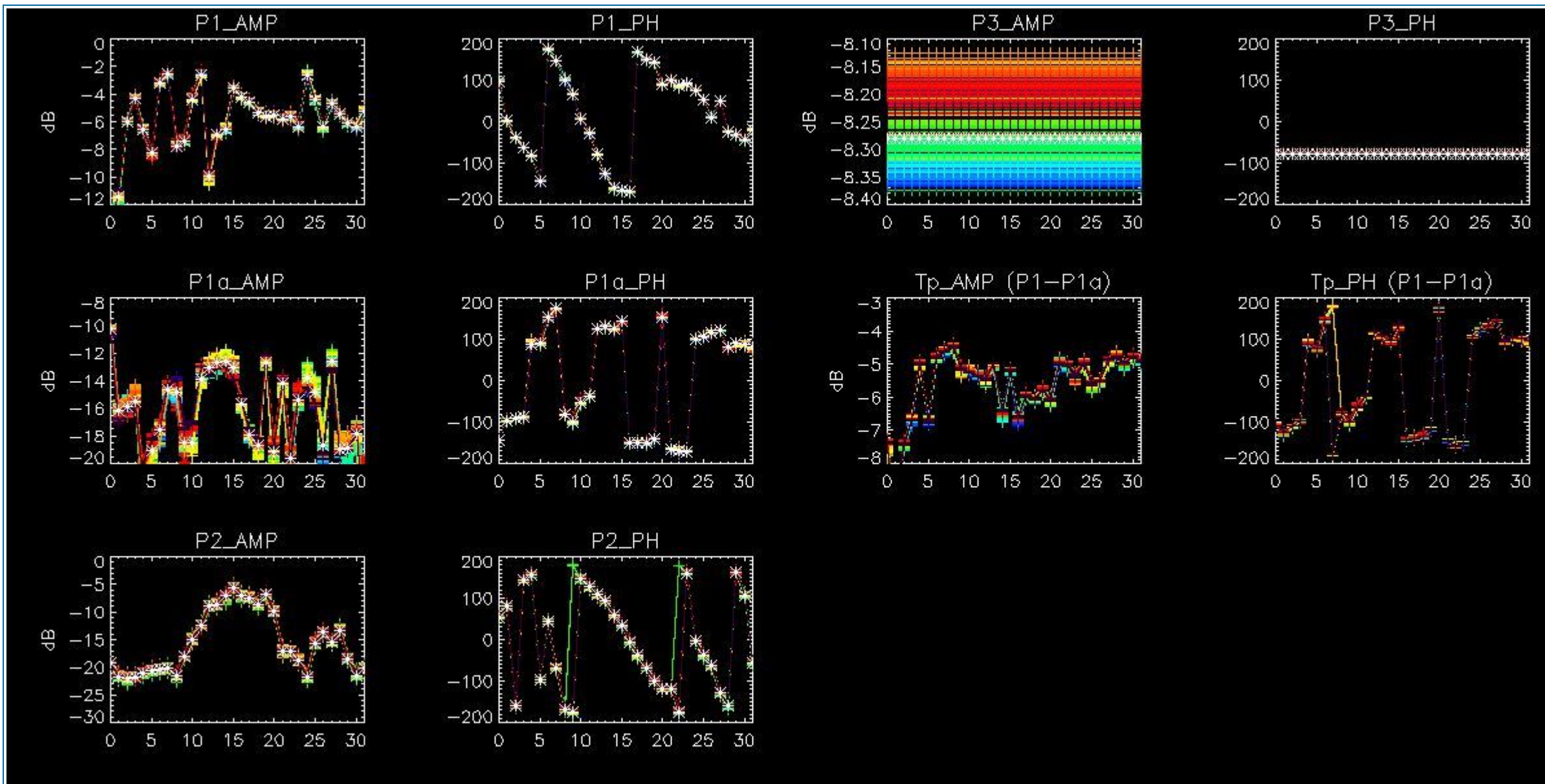
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



4.1.2 - All Rows Analysis for WVS IS2 V/V

[BACK TO MENU]





4.2 - Analysis for GM1 SS3 H/H

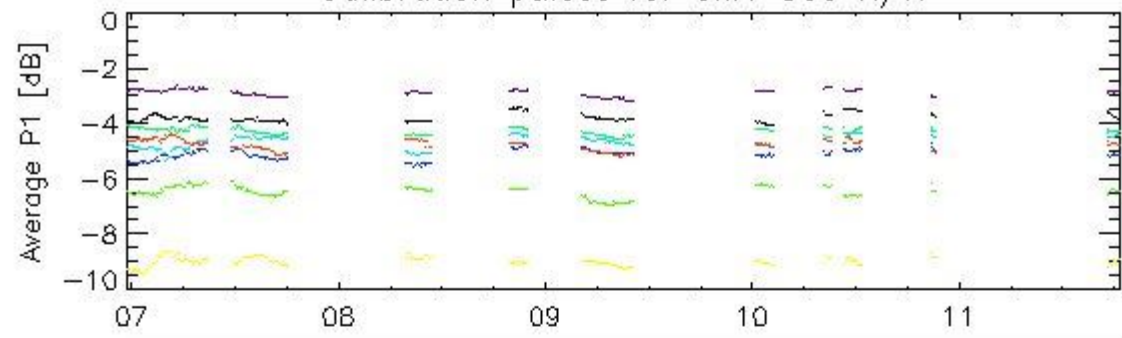
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

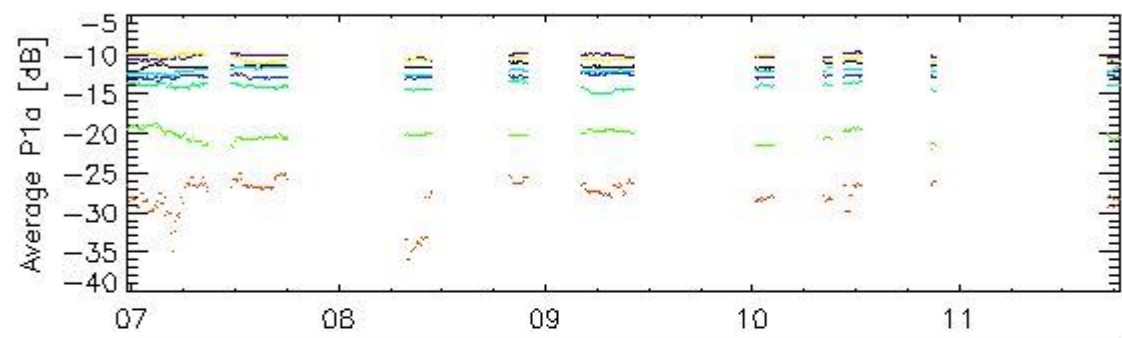
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

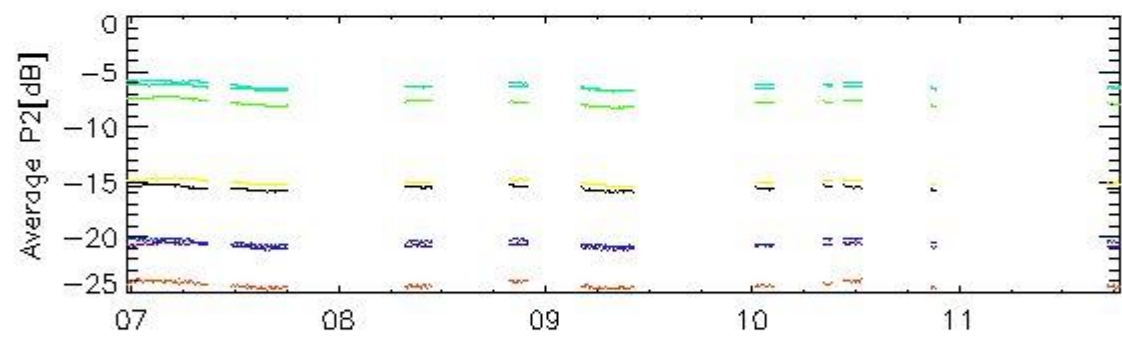
Calibration pulses for GM1 SS3 H/H



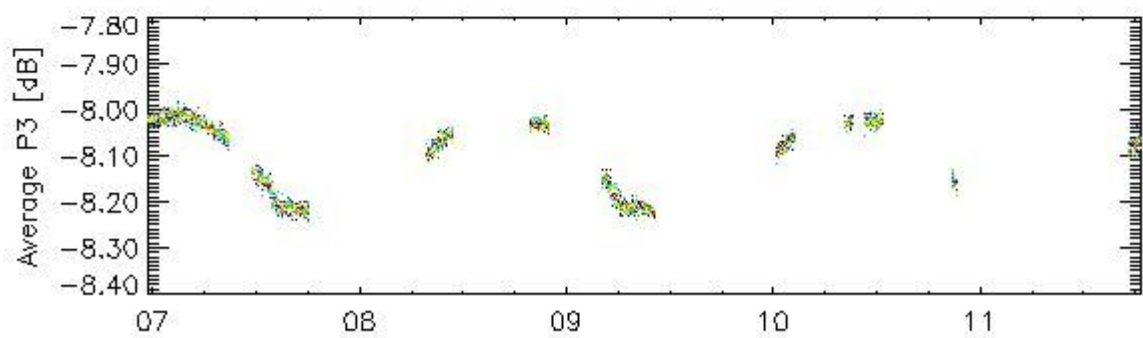
07-Apr



07-Apr



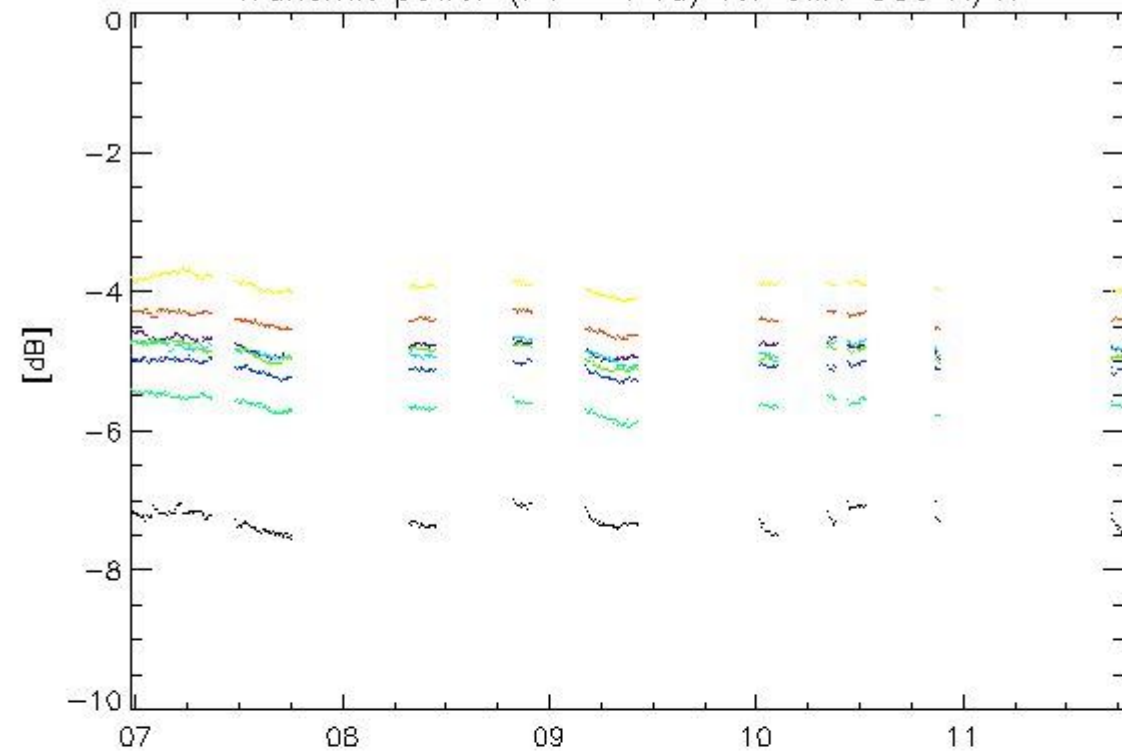
07-Apr



07-Apr

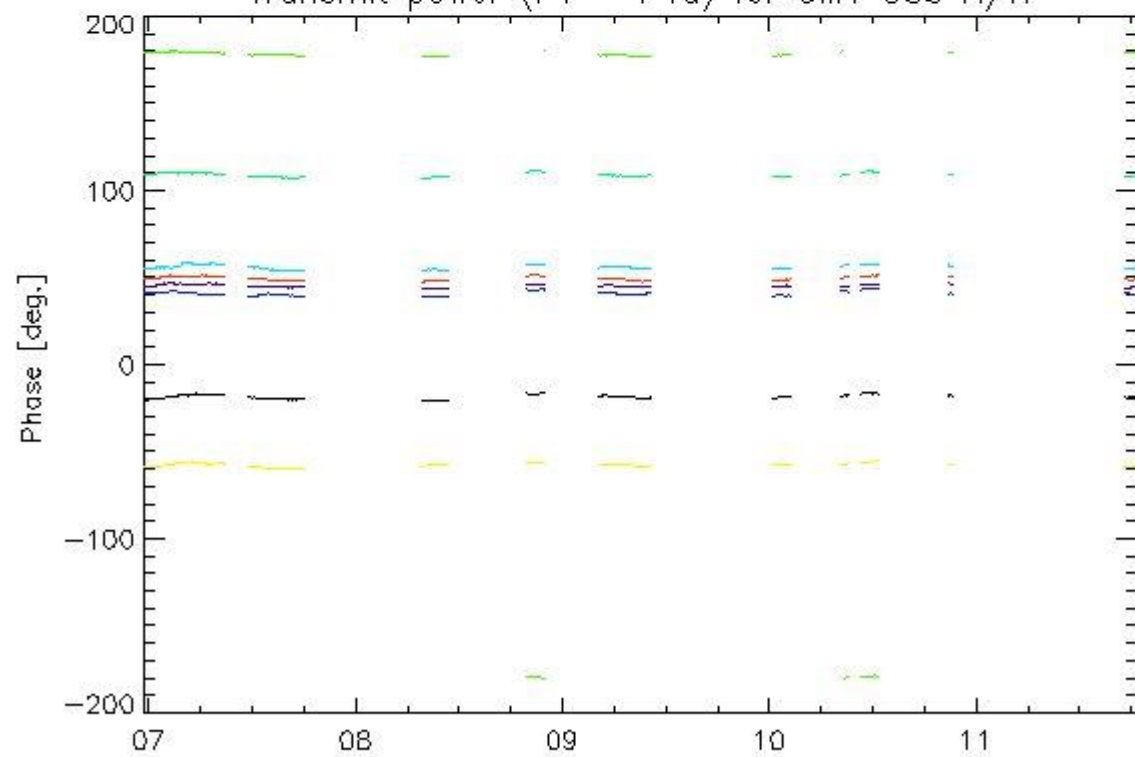
rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

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



07-Apr

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

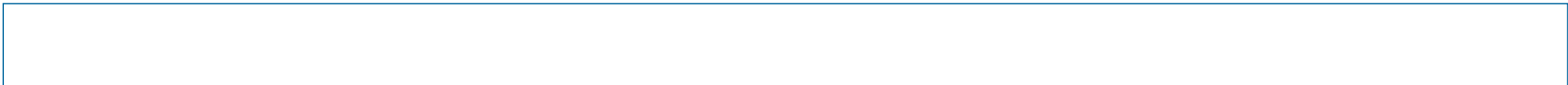


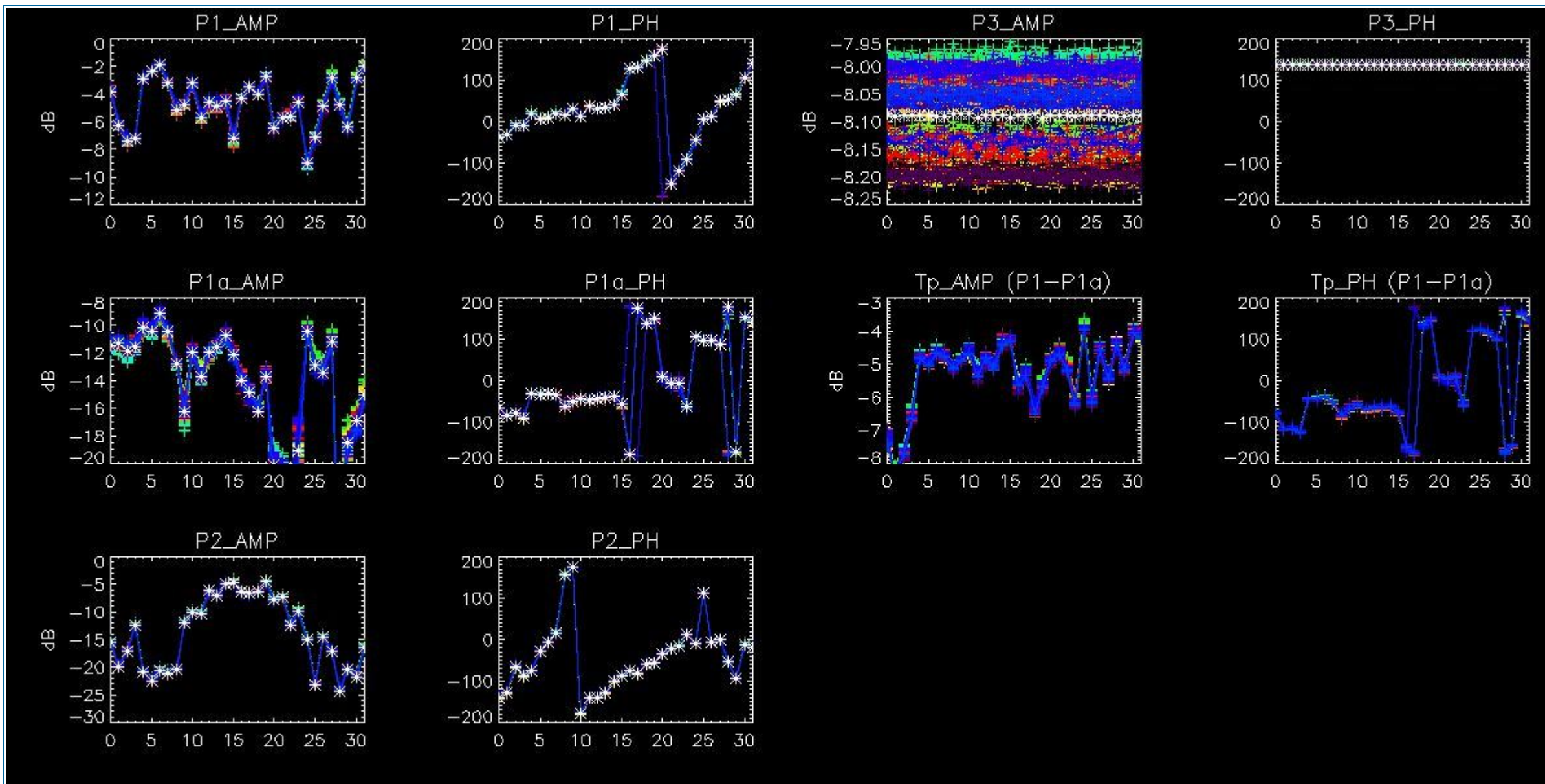
07-Apr

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

4.2.2 - All Rows Analysis for GM1 SS3 H/H

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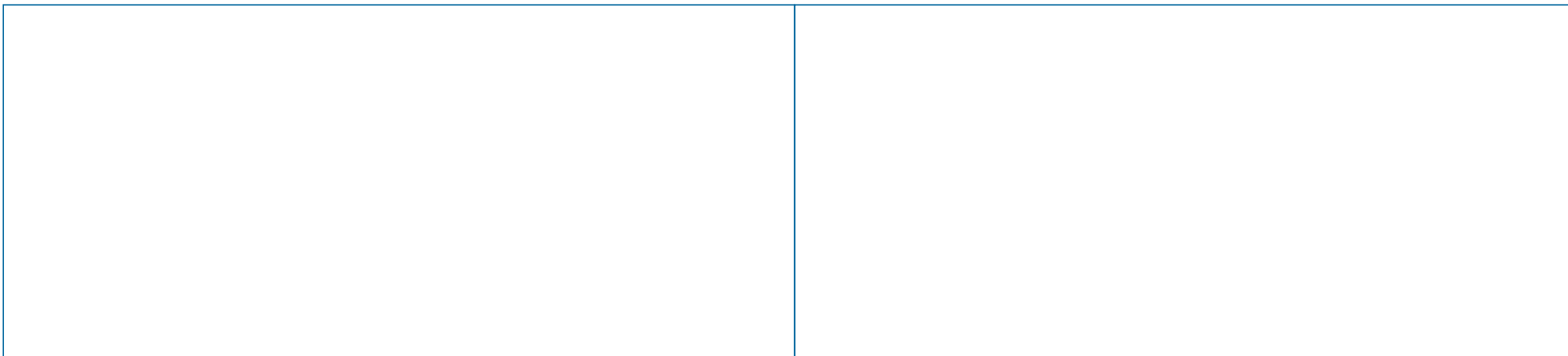


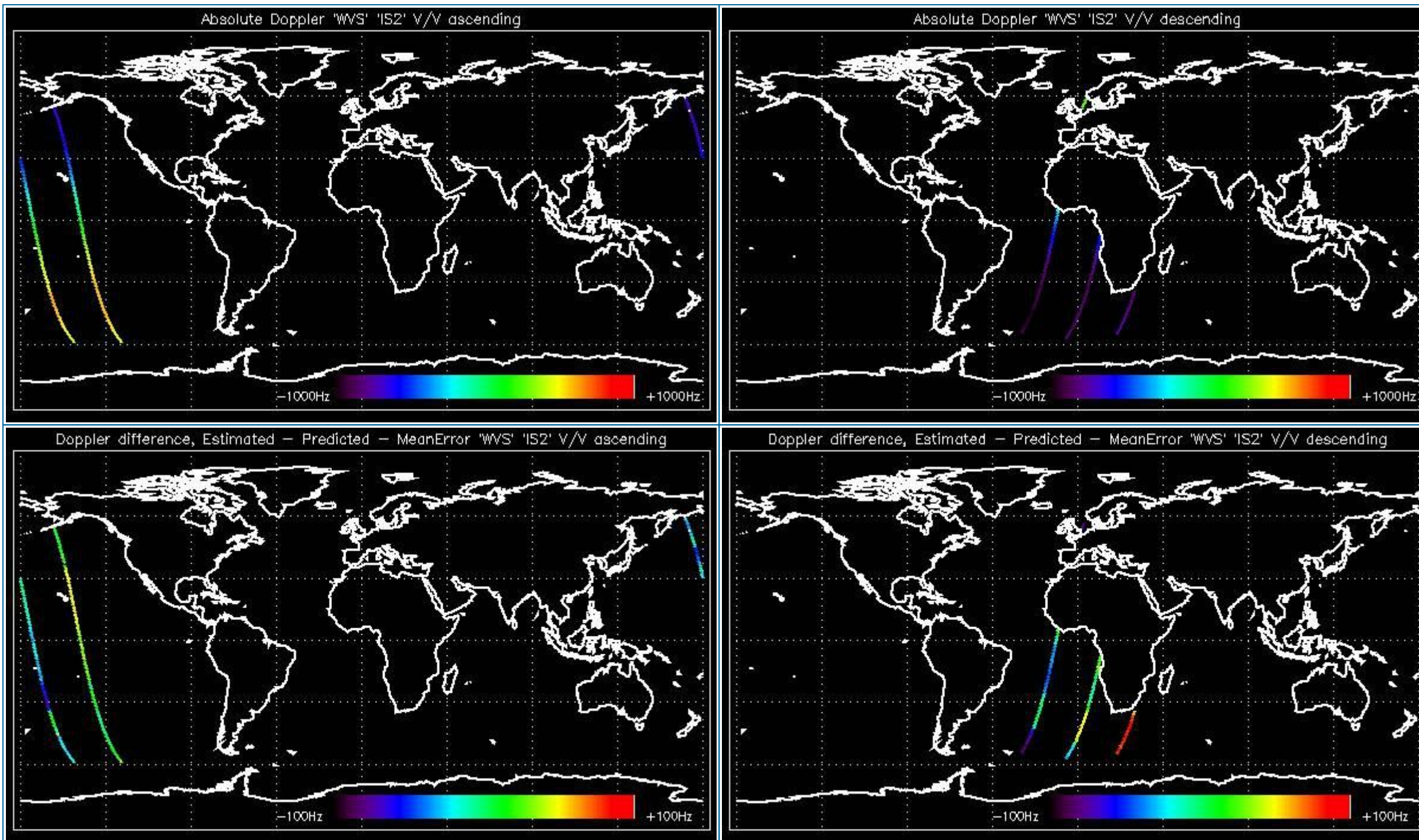
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

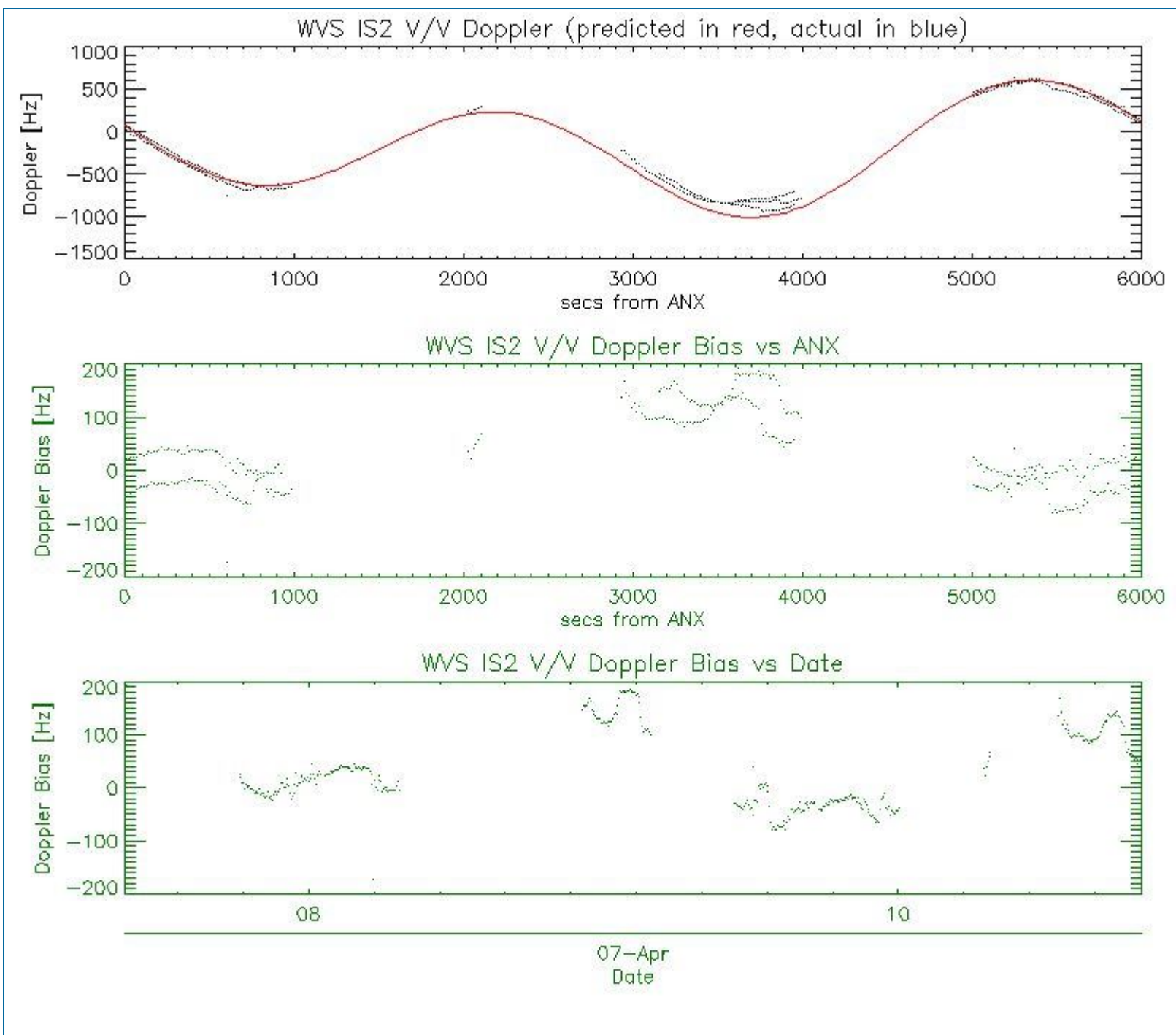




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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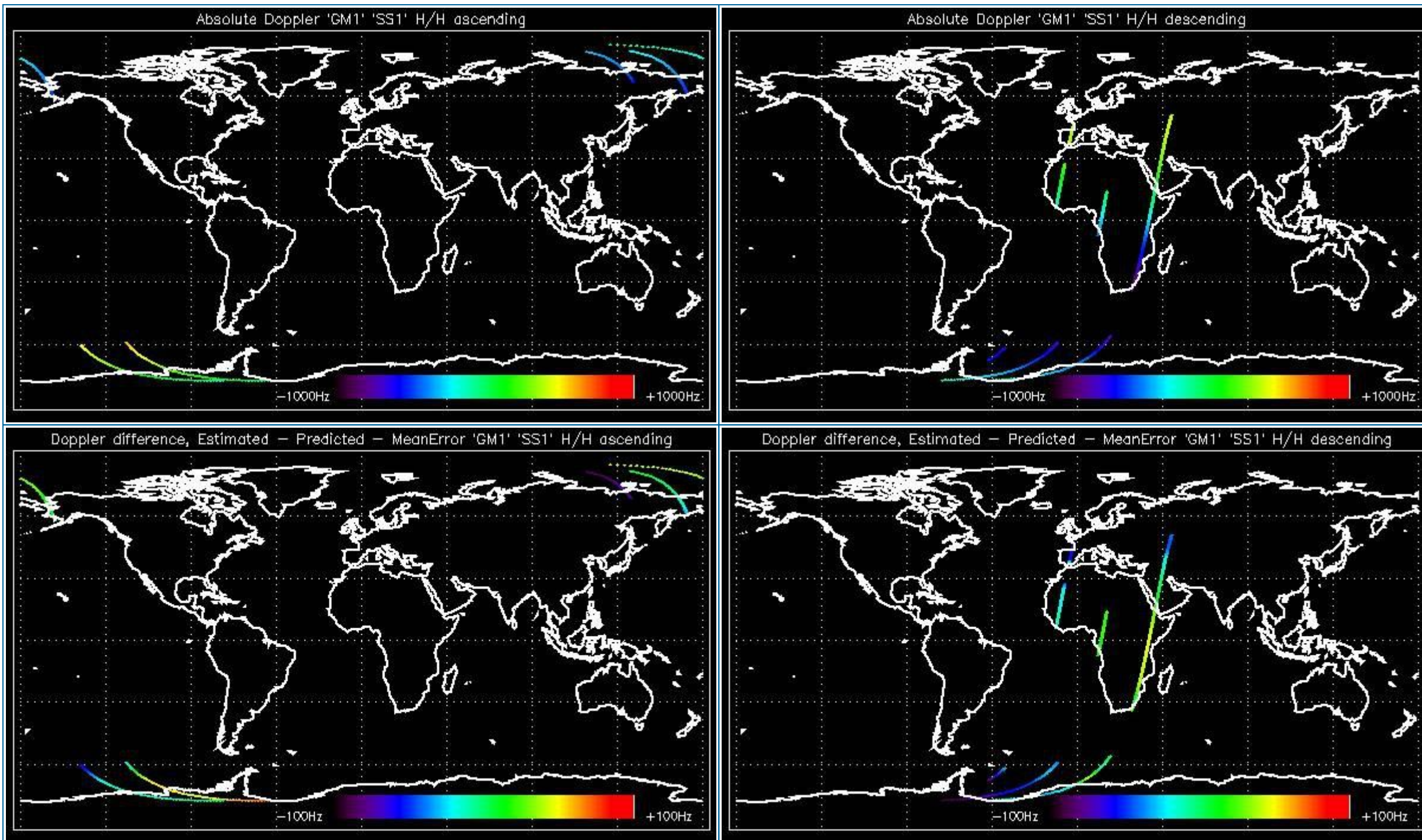


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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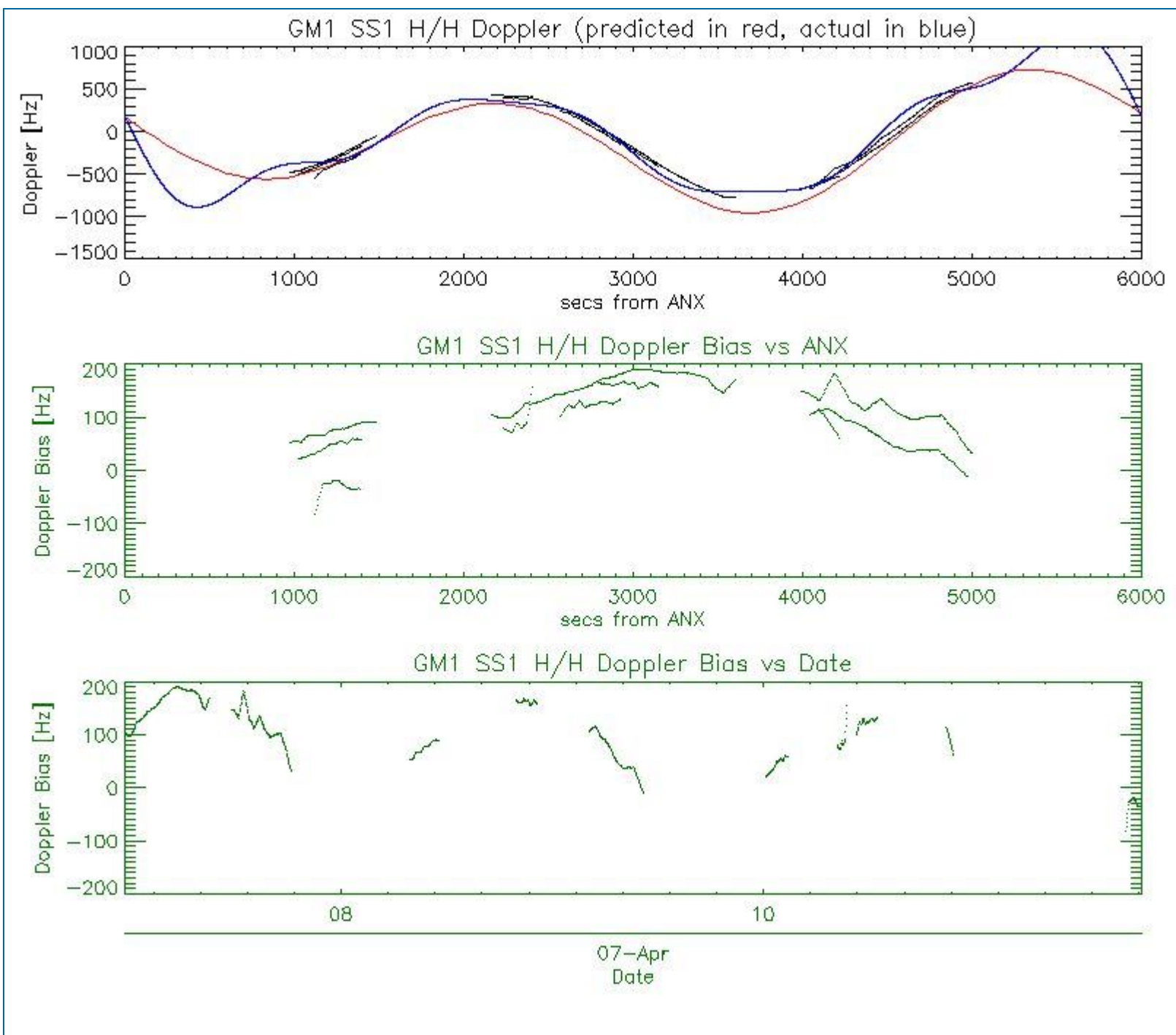




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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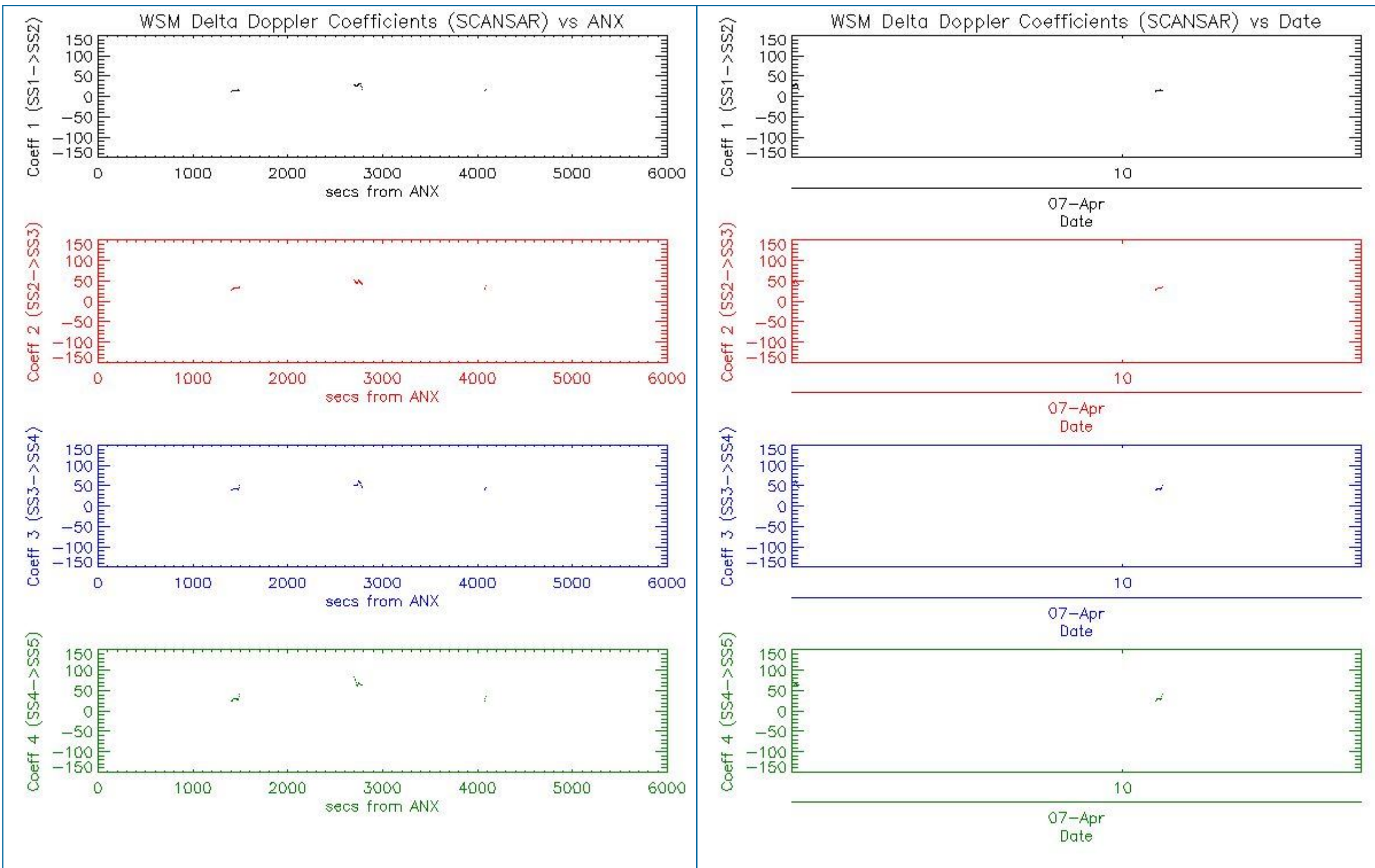




5.3 - Doppler JUMPS Analysis for WSM

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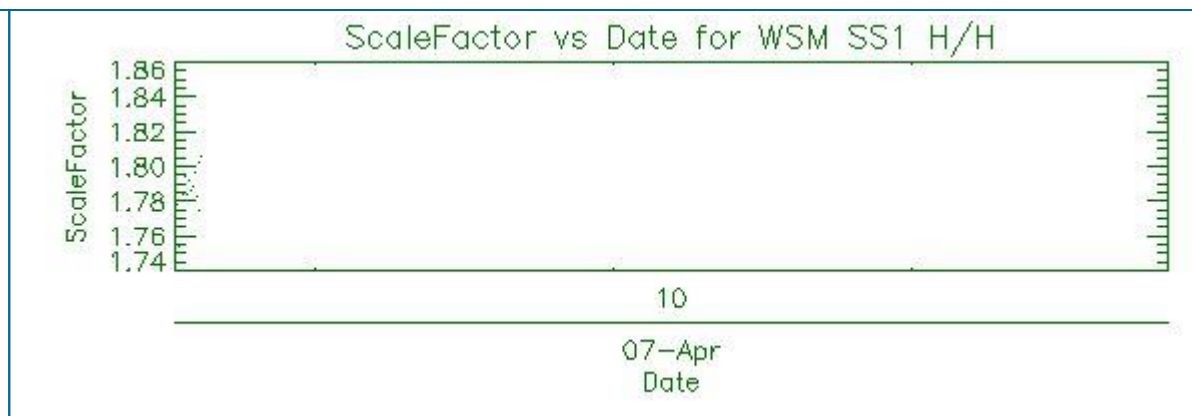
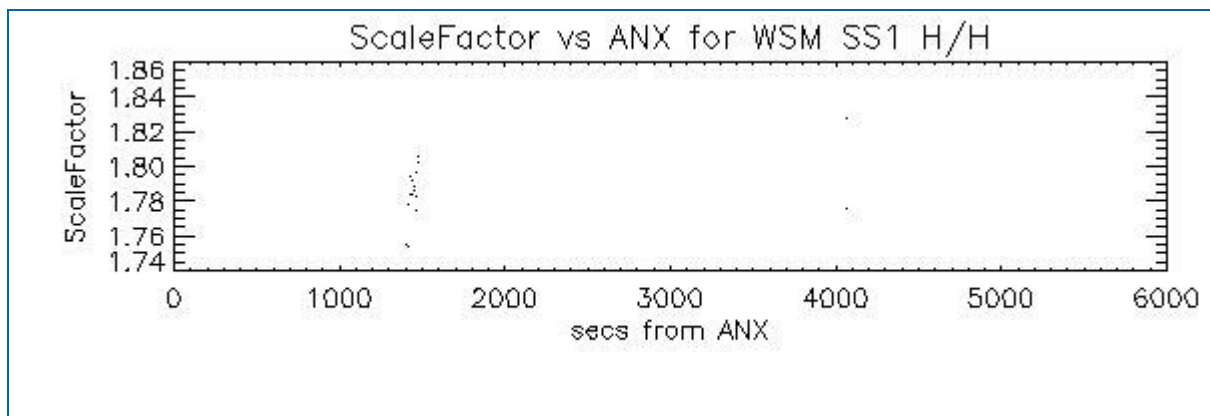
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[BACK TO MENU]

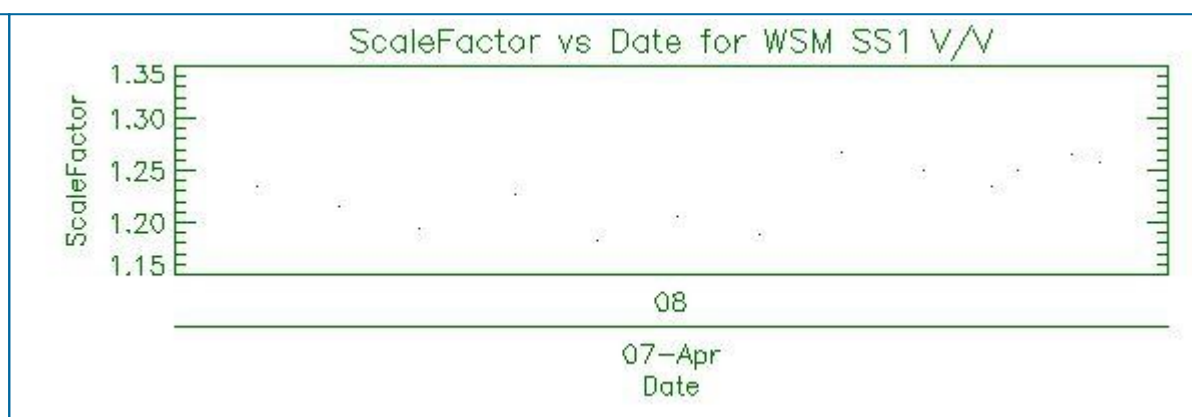
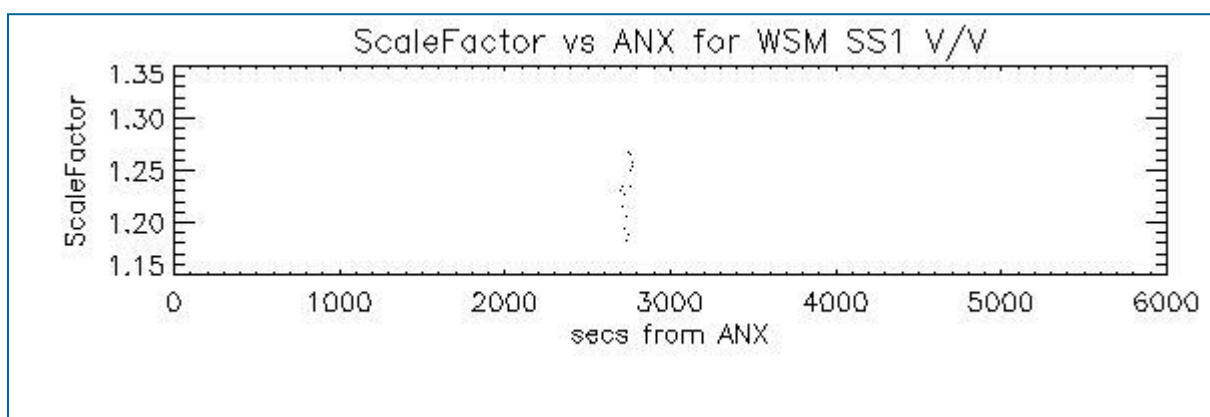
| | |
|--|--|
| | |
|--|--|



6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[[BACK TO MENU](#)]

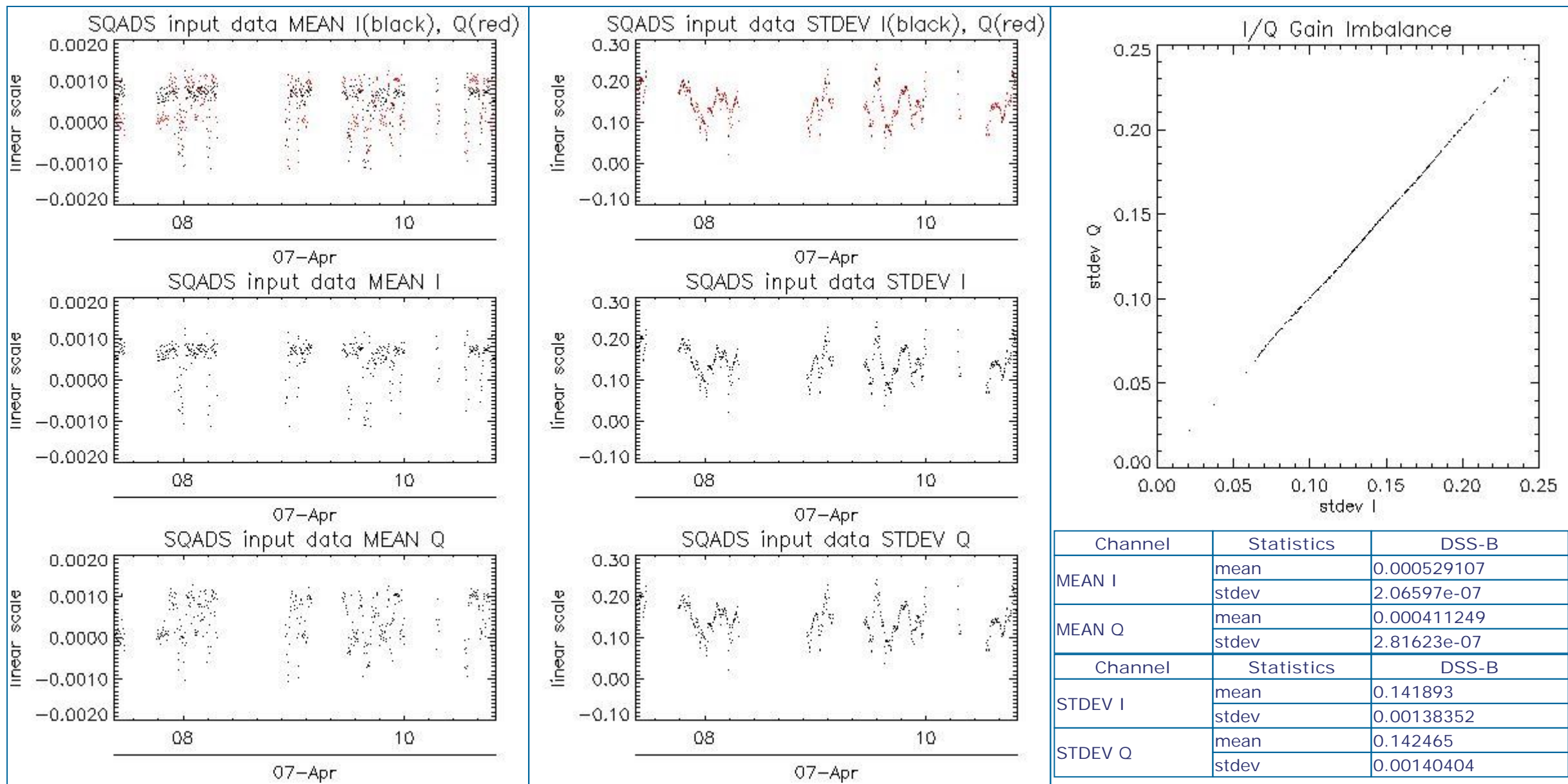


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

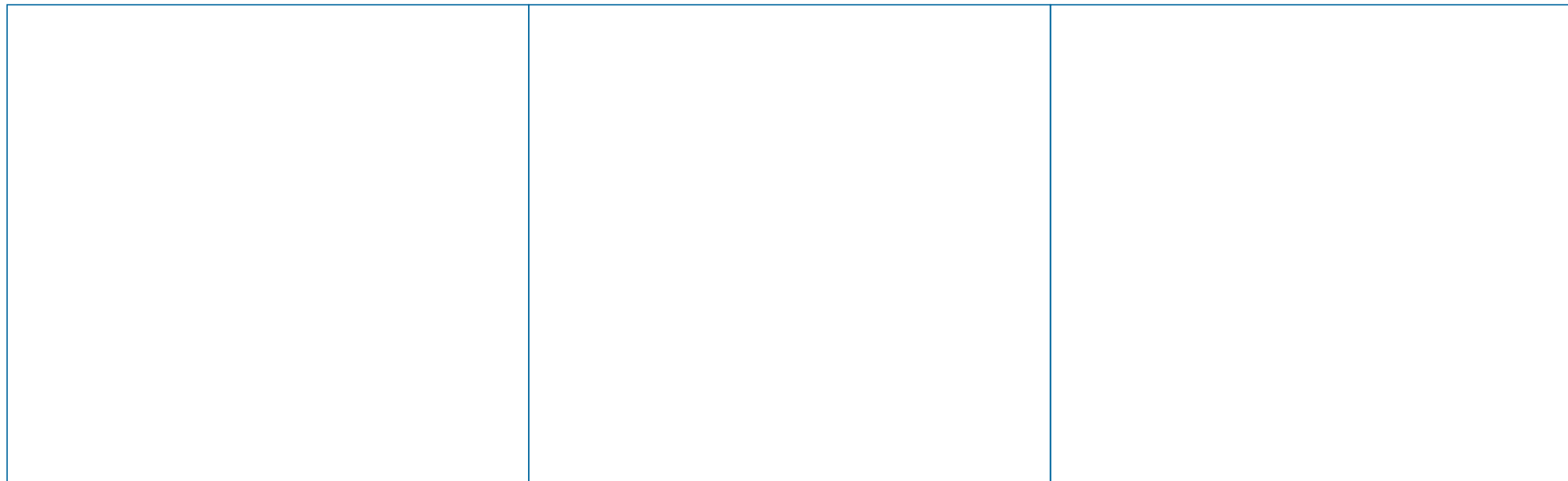
[[BACK TO MENU](#)]

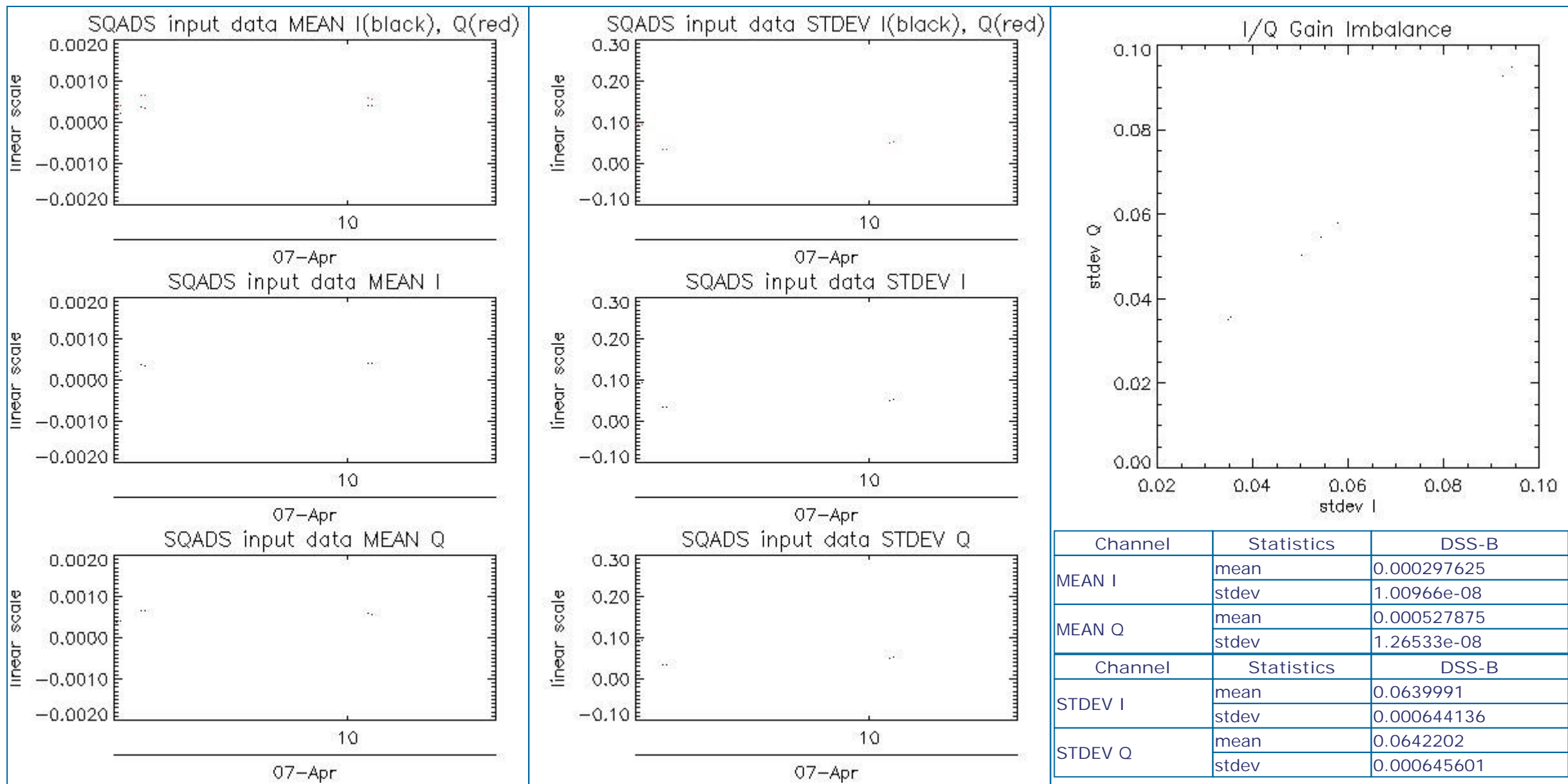
| | | |
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7.2 - Analysis for IMM

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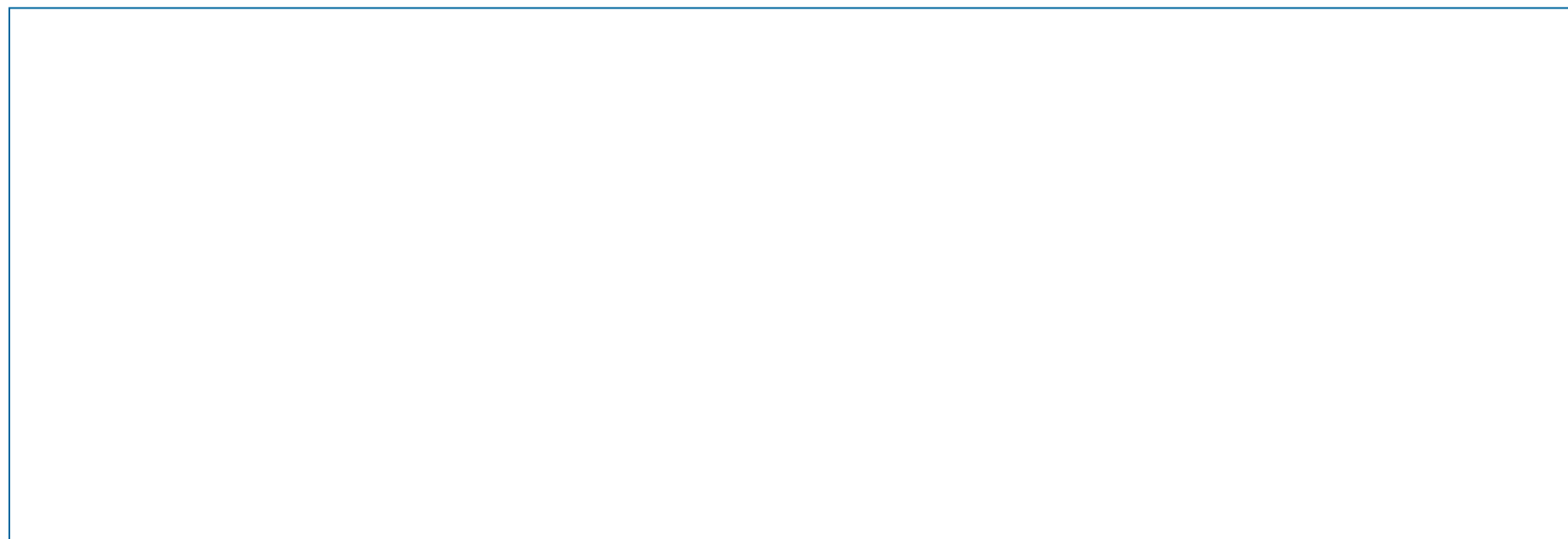


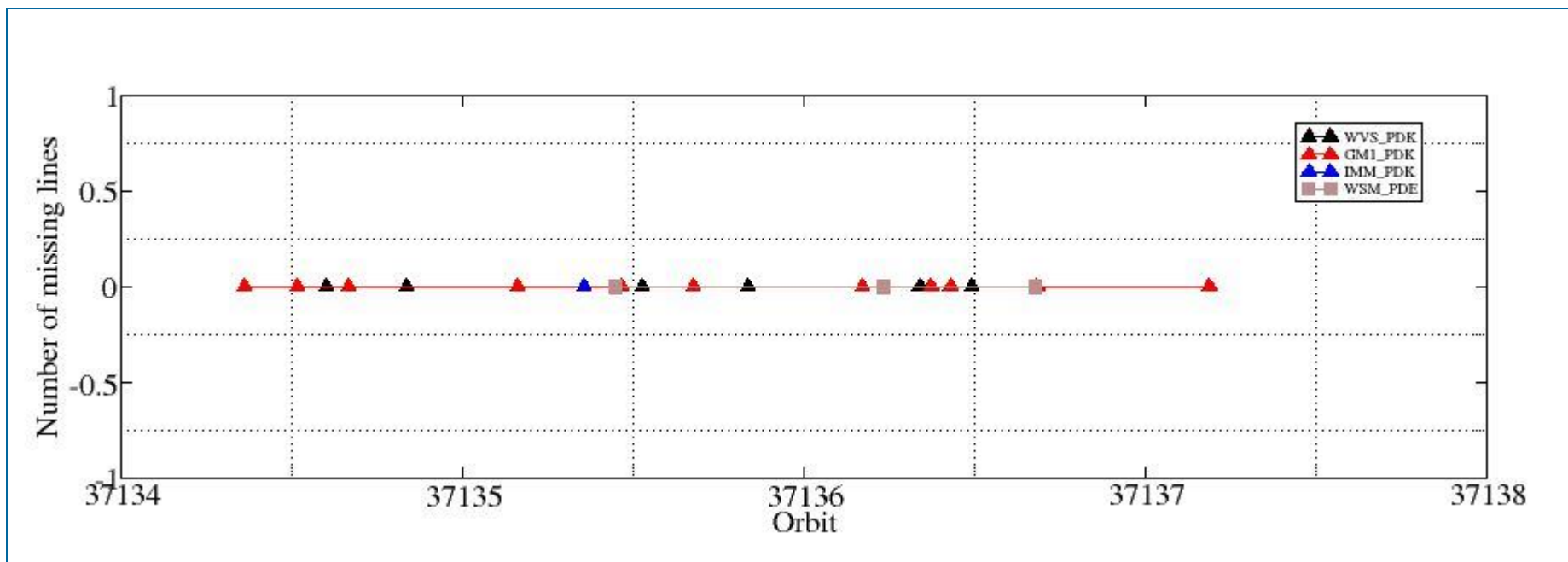


8 - TELEMETRY ANALYSIS

8.1 - Number of Missing lines

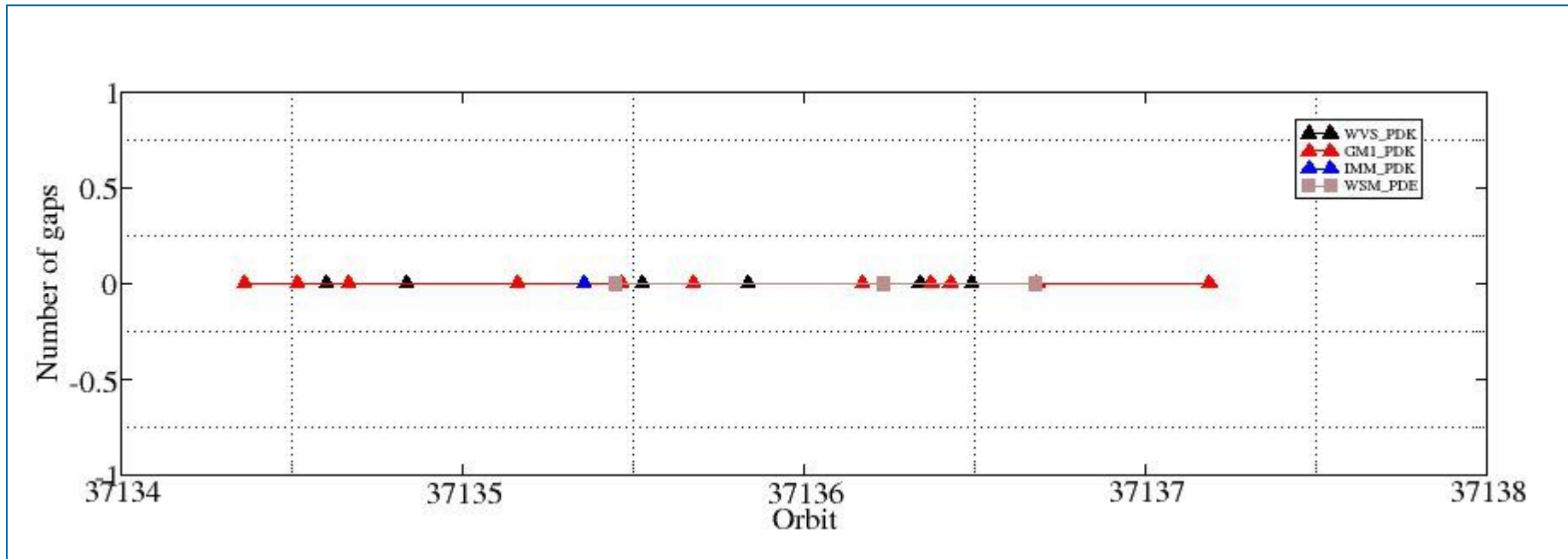
[BACK TO MENU]





8.2 - Number of Gaps

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ASAR DAILY REPORT for 090407
#####

MODE: DAILY
ANALYSIS: ALL
DATE: TODAY

Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/

DATA SUMMARY

Summary will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/090407/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/090407/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/AUXILIARY

Creating directory ./RESULTS/DAILY/090407/AUXILIARY...

Looking for the IECF operational ADFs list...

Found list 20090407_030003_current_3_IECF_ADFs.txt...
Extracting ADFs...

ASA_CON_AXVIEC20081215_141339_20070204_165113_20091231_000000
ASA_INS_AXVIEC20081215_140905_20070307_060000_20091231_000000
ASA_XCH_AXVIEC20081215_143642_20020301_000000_20091231_000000
ASA_XCA_AXVIEC20090311_104501_20080801_000000_20091231_235959

Writing file ./RESULTS/DAILY/090407/AUXILIARY/ASAR_ADFs_IECF_List3.html...
Writing file ./RESULTS/DAILY/090407/AUXILIARY/Auxiliary_files_summary.html...

Analysing WVS products...

Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_WVS.xls...
Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_WVS.txt...

| | |
|----------------------------------------------------------------|------------------------------------------------------|
| ASA_WVS_1PNPDK20090407_072235_000003452078_00006_37134_3879.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20090407_074557_000019492078_00006_37134_3959.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20090407_085538_000008392078_00007_37135_4030.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20090407_092633_000020092078_00007_37135_4051.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20090407_101727_000000752078_00008_37136_4159.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_WVS_1PNPDK20090407_103231_000010192078_00008_37136_4164.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |

Analysing GM1 products...

Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_GM1.xls...
Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_GM1.txt...

| | |
|----------------------------------------------------------------|------------------------------------------------------|
| ASA_GM1_1PNPDK20090407_065829_000014432078_00006_37134_4113.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_071359_000005132078_00006_37134_3889.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_072858_000010142078_00006_37134_3973.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_081914_000005132078_00007_37135_3881.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_084935_000003622078_00007_37135_4027.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_091028_000009302078_00007_37135_4034.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_100046_000003742078_00008_37136_4048.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_102052_000001752078_00008_37136_4155.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_102626_000003622078_00008_37136_4161.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_105152_000001262078_00008_37136_4166.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
| ASA_GM1_1PNPDK20090407_114257_000002712078_00009_37137_4234.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |

Analysing APM products...

No APM products available for the selected period...

Analysing IMM products...

Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_IMM.xls...
Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_IMM.txt...

| | |
|----------------------------------------------------------------|------------------------------------------------------|
| ASA_IMM_1PNPDK20090407_083824_000001572078_00007_37135_3975.N1 | ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK |
|----------------------------------------------------------------|------------------------------------------------------|

Analysing WSM products...

Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_WSM.xls...
Writing file ./RESULTS/DAILY/090407/AUXILIARY/Check_ADFs_WSM.txt...

```
ASA_WSM_1PNPDE20090407_084759_000000912078_00007_37135_4876.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20090407_100703_000000922078_00008_37136_4887.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20090407_105132_000000182078_00008_37136_4900.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/090407/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/090407/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20050922_062651_000000152041_00034_18625_0041.N1
Test product: ASA_MS__0PNPDK20090406_090709_000000162077_00494_37121_0778.N1

H
H
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/TGH_20090406_090709-20050922_062651.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/TPH_20090406_090709-20050922_062651.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/RGH_20090406_090709-20050922_062651.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/RPH_20090406_090709-20050922_062651.png

Polarization: V
Reference product: ASA_MS__0PNPDK20050923_055514_000000152041_00048_18639_0042.N1
Test product: ASA_MS__0PNPDK20090406_180503_000000162077_00499_37126_0779.N1

V
V
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/TGV_20090406_180503-20050923_055514.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/TPV_20090406_180503-20050923_055514.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/RGV_20090406_180503-20050923_055514.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/SECOND_REFERENCE/RPV_20090406_180503-20050923_055514.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20090405_183640_000000162077_00485_37112_0777.N1
Test product: ASA_MS__0PNPDK20090406_090709_000000162077_00494_37121_0778.N1

H
H
../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20090406_090709-20090405_183640.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20090406_090709-20090405_183640.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20090406_090709-20090405_183640.png
../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20090406_090709-20090405_183640.png

Polarization: V
Reference product: ASA_MS__0PNPDE20090404_204853_000000162077_00472_37099_0404.N1



Test product: ASA_MS__0PNPDK20090406_180503_00000162077_00499_37126_0779.N1

V
V

../../../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20090406_180503-20090404_204853.png
../../../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20090406_180503-20090404_204853.png
../../../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20090406_180503-20090404_204853.png
../../../../RESULTS/DAILY/090407/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20090406_180503-20090404_204853.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/090407/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2009-04-07_1.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2009-04-07_2.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2009-04-07_3.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2009-04-07_4.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_4.png...

Analysing products GM1 SS3 H/H

Getting calibration pulses data for GM1 SS3 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2009-04-07_1.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2009-04-07_2.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2009-04-07_3.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/090407/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2009-04-07_4.dat...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...

Writing ../../RESULTS/DAILY/090407//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed

#####

DOPPLER ANALYSIS

#####

Creating directory ./RESULTS/DAILY/090407/DOPPLER...

DOPPLER ANX Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...

Writing file ./RESULTS/DAILY/090407/DOPPLER/Doppler_data_WVS_IS2_VV_2009-04-07.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/090407/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...

Writing file ./RESULTS/DAILY/090407/DOPPLER/Doppler_data_GM1_SS1_HH_2009-04-07.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/090407/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2009-04-07 00:00:00 to 2009-04-07 13:00:01

Analysing by default products WSM

Getting doppler jumps data for WSM from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...

Writing file ./RESULTS/DAILY/090407/DOPPLER/Doppler_Jumps_data_WSM_2009-04-07.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/090407/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...

Writing file ../../RESULTS/DAILY/090407/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01

Analysing products WVS IS2 V/V

Loading predicted doppler values....

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = 132.24791 Hz

Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...

Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...


```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -12.183510 Hz
Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/090407//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 = 141.92559 Hz
Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = 48.711507 Hz
Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/090407//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/090407/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/CHIRP/ScaleFactor_data_WSM_SS1_HH_2009-04-07.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/090407/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/090407/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/CHIRP/ScaleFactor_data_WSM_SS1_VV_2009-04-07.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/090407/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/090407/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

```
CHIRP ANALYSIS completed
```

#####

RAW DATA ANALYSIS

#####

Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/RAW_DATA

Creating directory ./RESULTS/DAILY/090407/RAW_DATA...

Getting raw data for WVS from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/RAW_DATA/Raw_data_WVS_2009-04-07.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2009-04-07 00:00:00 to 2009-04-07 13:00:01...
Writing file ./RESULTS/DAILY/090407/RAW_DATA/Raw_data_IMM_2009-04-07.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/090407/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2009-04-07 00:00:00 to 2009-04-07 13:00:01
Results will be exported to the directory: ./RESULTS/DAILY/090407/TELEMETRY

Creating directory ./RESULTS/DAILY/090407/TELEMETRY...

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

No products from PDE...
Checking 6 products from PDK...

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

No products from PDE...
Checking 11 products from PDK...

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

No products from PDE...
No products from PDK...

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

No products from PDE...
Checking 1 products from PDK...

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

Checking 3 products from PDE...
No products from PDK...

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/090407/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/090407/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

BROWSE PRODUCTS ANALYSIS

Analysis will be performed on 2009-04-07

Scanning directory /nas3/ENVISAT/ASAR//ASA_GM_BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_GM_BP/JPG/20090407/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPK20090407_071359_000005132078_00006_37134_3890.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPK20090407_072858_000010142078_00006_37134_3974.N1 ...
Stripping browse product /nas3/ENVISAT/ASAR//ASA_GM_BP/ASA_GM_BPZPK20090407_081914_000005132078_00007_37135_3882.N1 ...

ANALYSIS COMPLETED: 3 GM browse products to see...

Scanning directory /nas3/ENVISAT/ASAR//ASA_AP_BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_AP_BP/JPG/20090407/

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

Scanning directory /nas3/ENVISAT/ASAR//ASA_IM_BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_IM_BP/JPG/20090407/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_IM_BP/ASA_IM_BPZPK20090407_083824_000001572078_00007_37135_3976.N1 ...

ANALYSIS COMPLETED: 1 IM browse products to see...

Scanning directory /nas3/ENVISAT/ASAR//ASA_WS_BP...
Results will be exported to the directory: /nas3/ENVISAT/ASAR//ASA_WS_BP/JPG/20090407/

Stripping browse product /nas3/ENVISAT/ASAR//ASA_WS_BP/ASA_WS_BPZPK20090407_065200_000003732078_00006_37134_3745.N1 ...

ANALYSIS COMPLETED: 1 WS browse products to see...

BROWSE PRODUCTS ANALYSIS completed
#####

HTML REPORT generation
#####

Building file ./RESULTS/DAILY/090407/asarReport.html...
Building DATA SUMMARY section...
Building AUXILIARY FILES ANALYSIS section...
Building MODULE STEPPING ANALYSIS section...
Building CALIBRATION PULSES ANALYSIS section...

Building DOPPLER ANALYSIS section...
Building CHIRP ANALYSIS section...
Building RAW DATA ANALYSIS section...
Building TELEMETRY ANALYSIS section...

HTML REPORT generation completed

#####



ASAR Daily Report



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

| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|----------------------------------------------------------------|---------|---------|---------|---------|
| ASA_GM1_1PNPDK20090407_065829_000014432078_00006_37134_4113.N1 | | | | |
| ASA_GM1_1PNPDK20090407_071359_000005132078_00006_37134_3889.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_072858_000010142078_00006_37134_3973.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_081914_000005132078_00007_37135_3881.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_084935_000003622078_00007_37135_4027.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_091028_000009302078_00007_37135_4034.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_100046_000003742078_00008_37136_4048.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_102052_000001752078_00008_37136_4155.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_102626_000003622078_00008_37136_4161.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_105152_000001262078_00008_37136_4166.N1 | OK | OK | OK | OK |
| ASA_GM1_1PNPDK20090407_114257_000002712078_00009_37137_4234.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_1PNPDK20090407_083824_000001572078_00007_37135_3975.N1 | OK | OK | OK | OK |

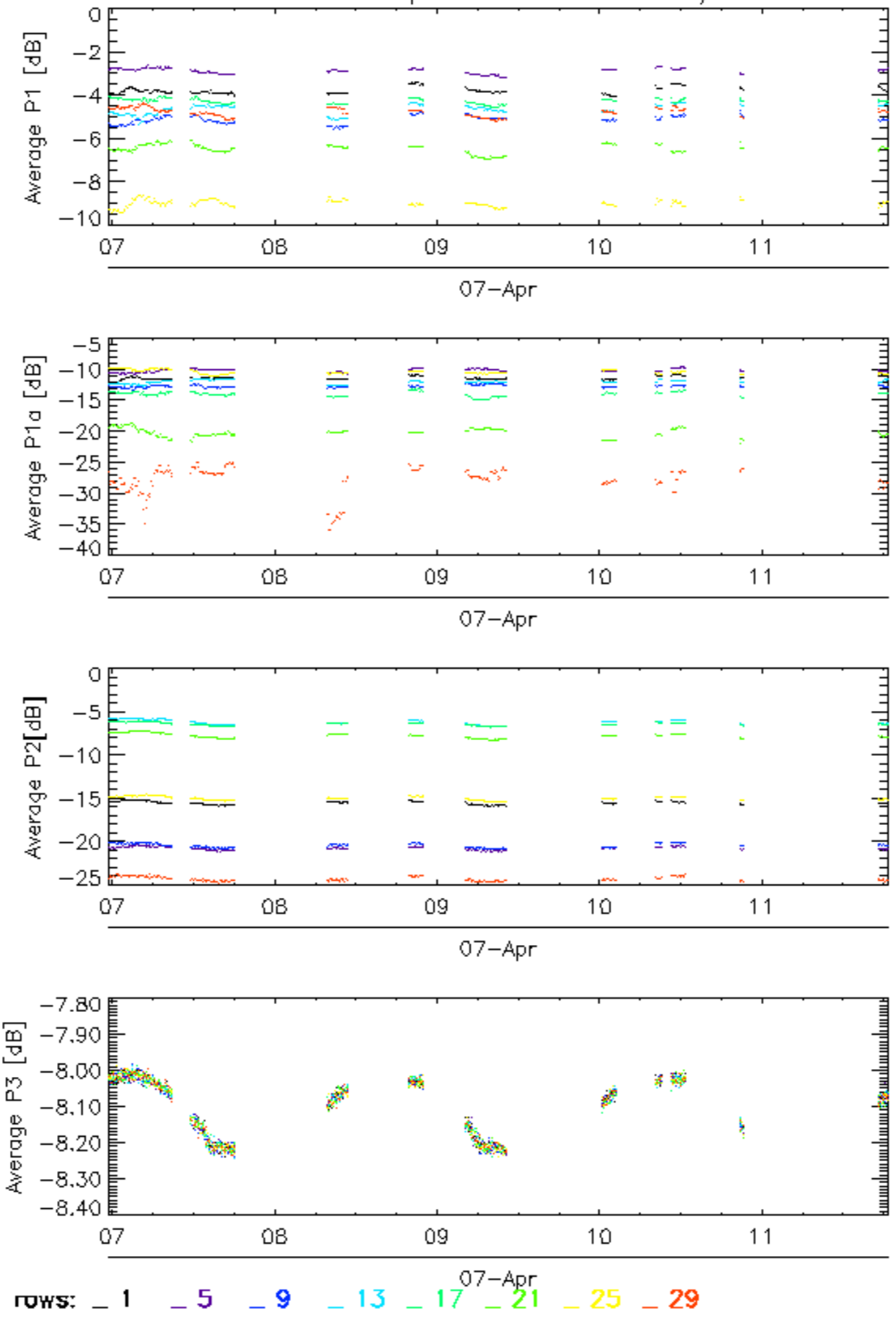
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|----------------------------------------------------------------|---------|---------|---------|---------|
| ASA_WSM_1PNPDE20090407_084759_000000912078_00007_37135_4876.N1 | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20090407_100703_000000922078_00008_37136_4887.N1 | OK | OK | OK | OK |
| ASA_WSM_1PNPDE20090407_105132_000000182078_00008_37136_4900.N1 | OK | OK | OK | OK |

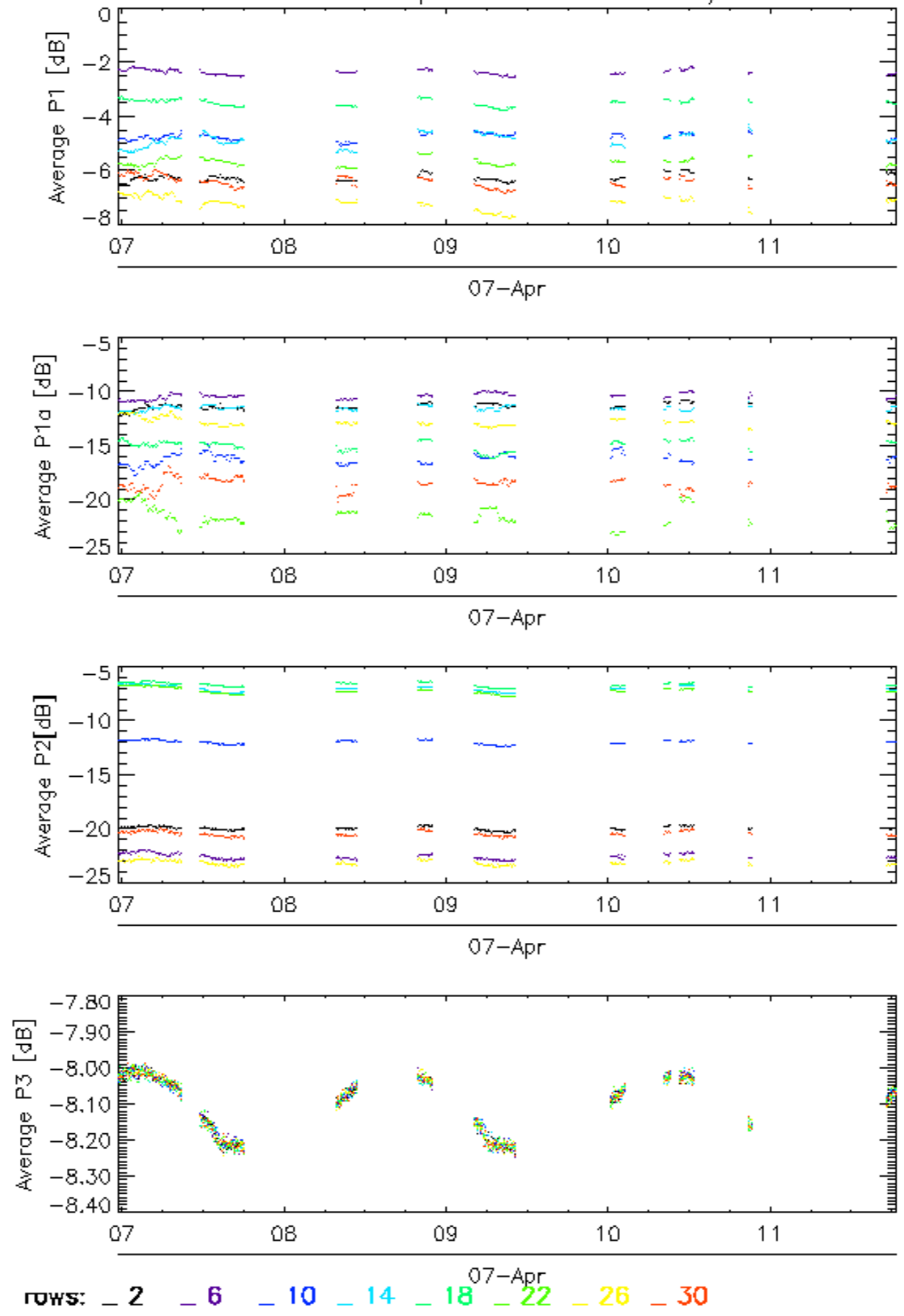
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

| Product | ASA_CON | ASA_INS | ASA_XCH | ASA_XCA |
|----------------------------------------------------------------|---------|---------|---------|---------|
| ASA_WVS_1PNPDK20090407_072235_000003452078_00006_37134_3879.N1 | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20090407_074557_000019492078_00006_37134_3959.N1 | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20090407_085538_000008392078_00007_37135_4030.N1 | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20090407_092633_000020092078_00007_37135_4051.N1 | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20090407_101727_000000752078_00008_37136_4159.N1 | OK | OK | OK | OK |
| ASA_WVS_1PNPDK20090407_103231_000010192078_00008_37136_4164.N1 | OK | OK | OK | OK |

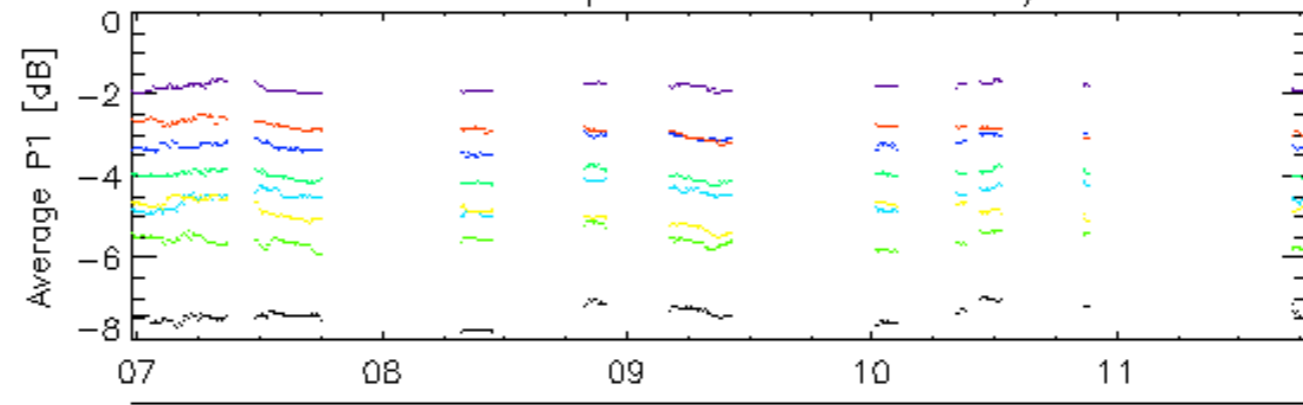
Calibration pulses for GM1 SS3 H/H



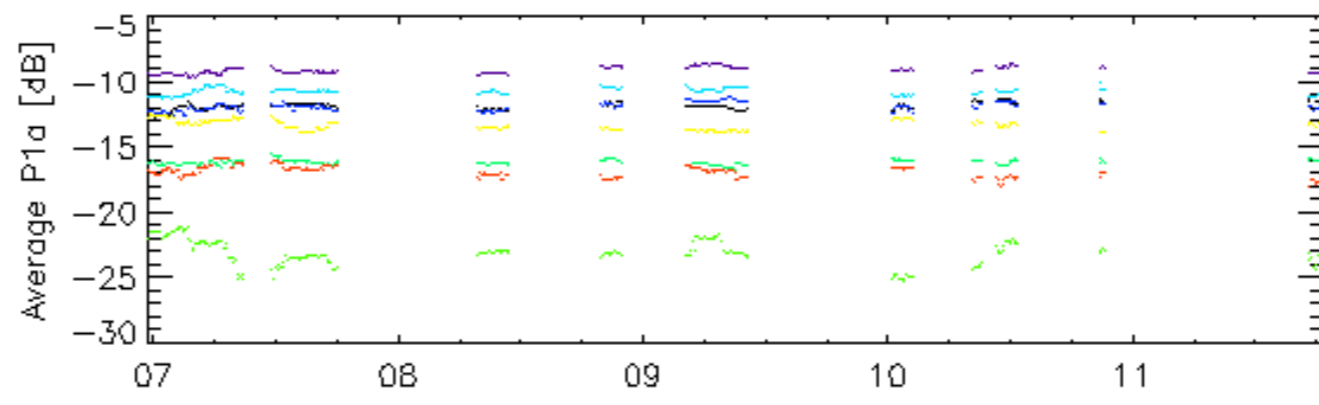
Calibration pulses for GM1 SS3 H/H



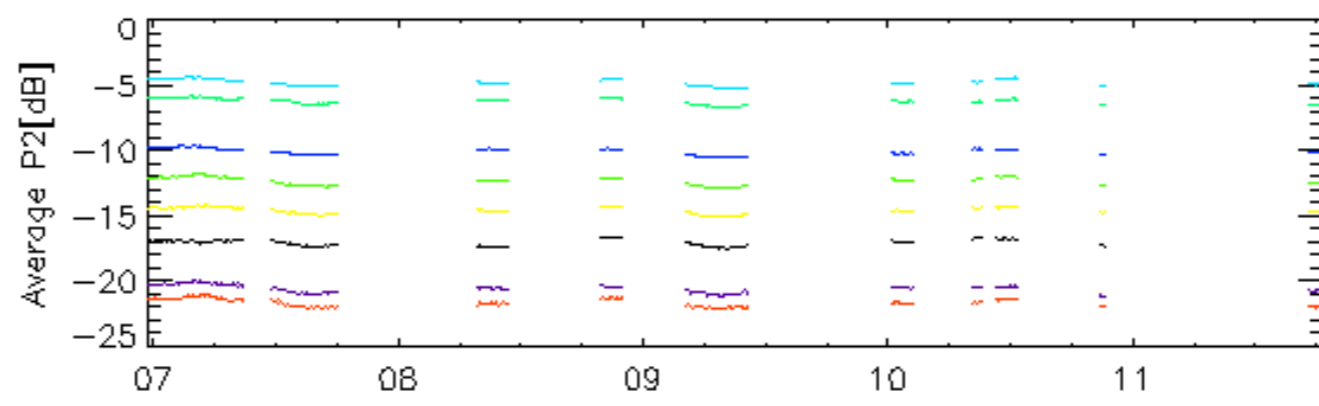
Calibration pulses for GM1 SS3 H/H



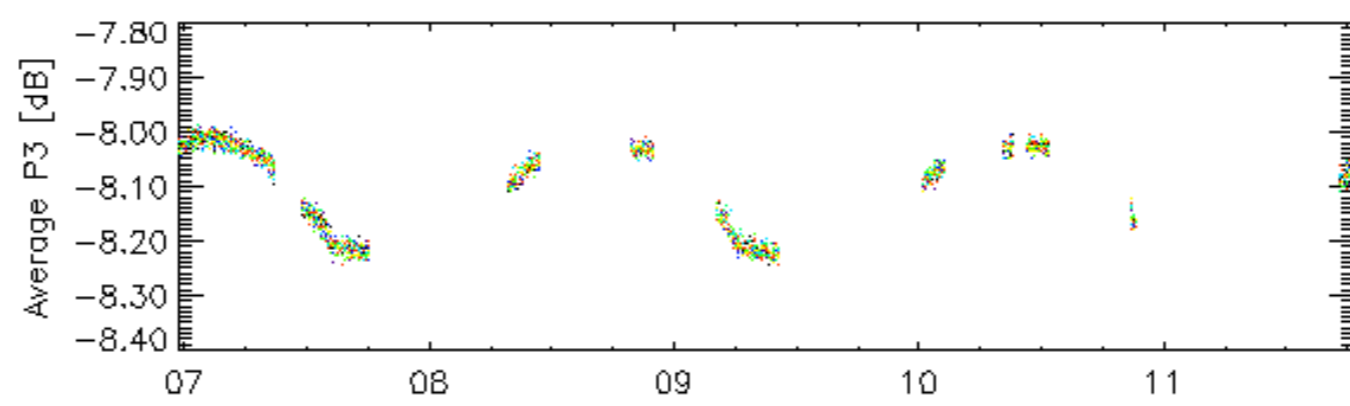
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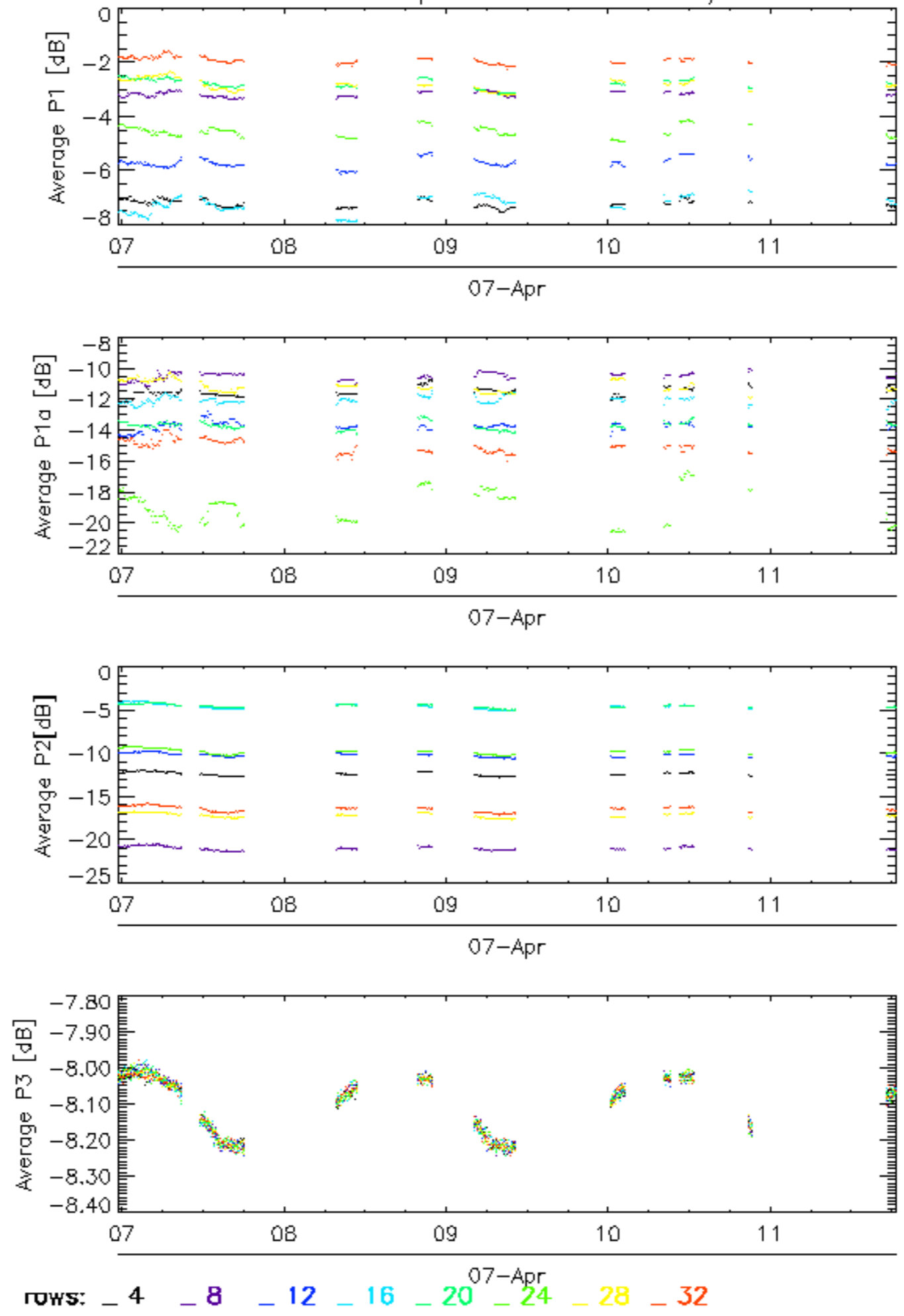
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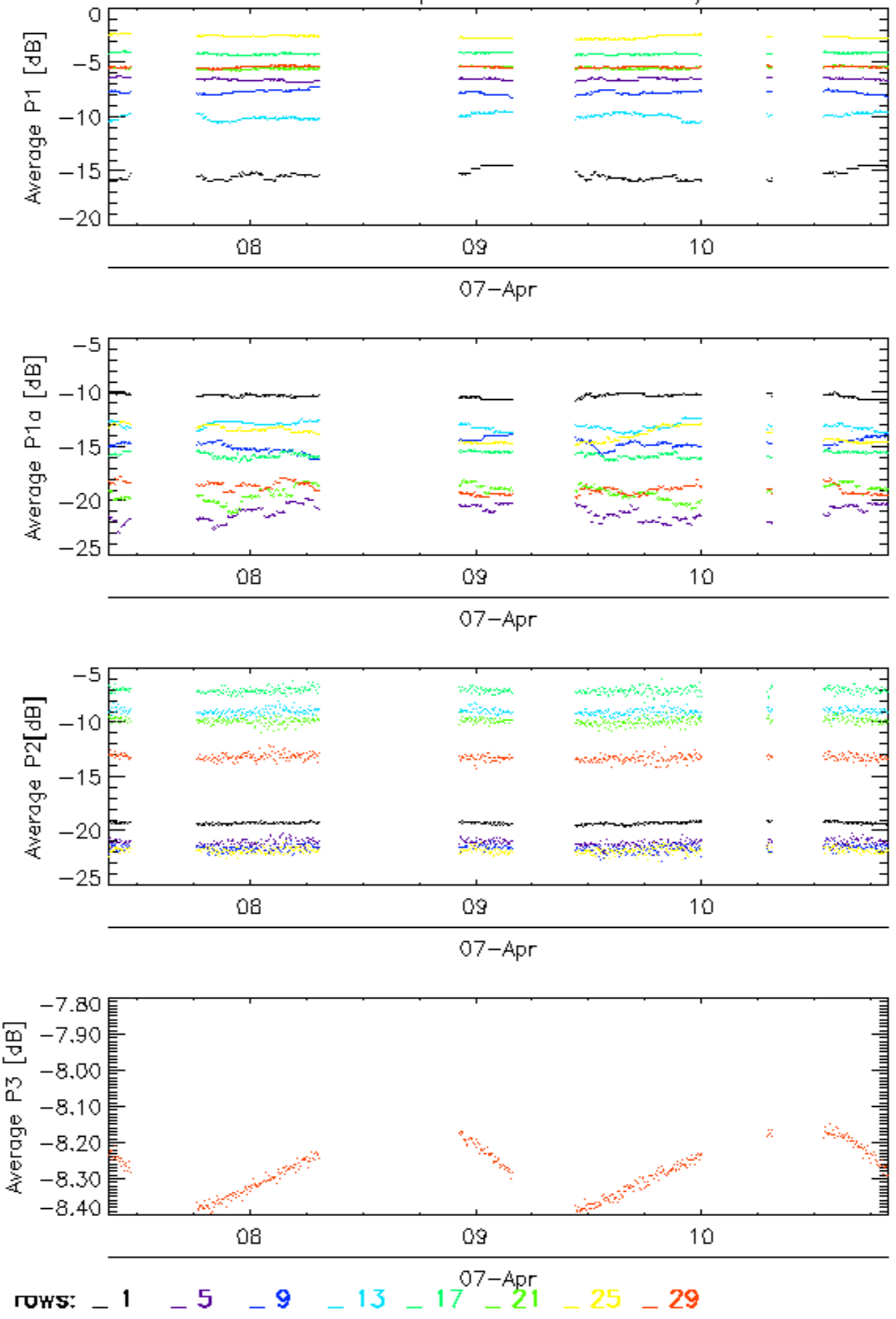
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Calibration pulses for GM1 SS3 H/H

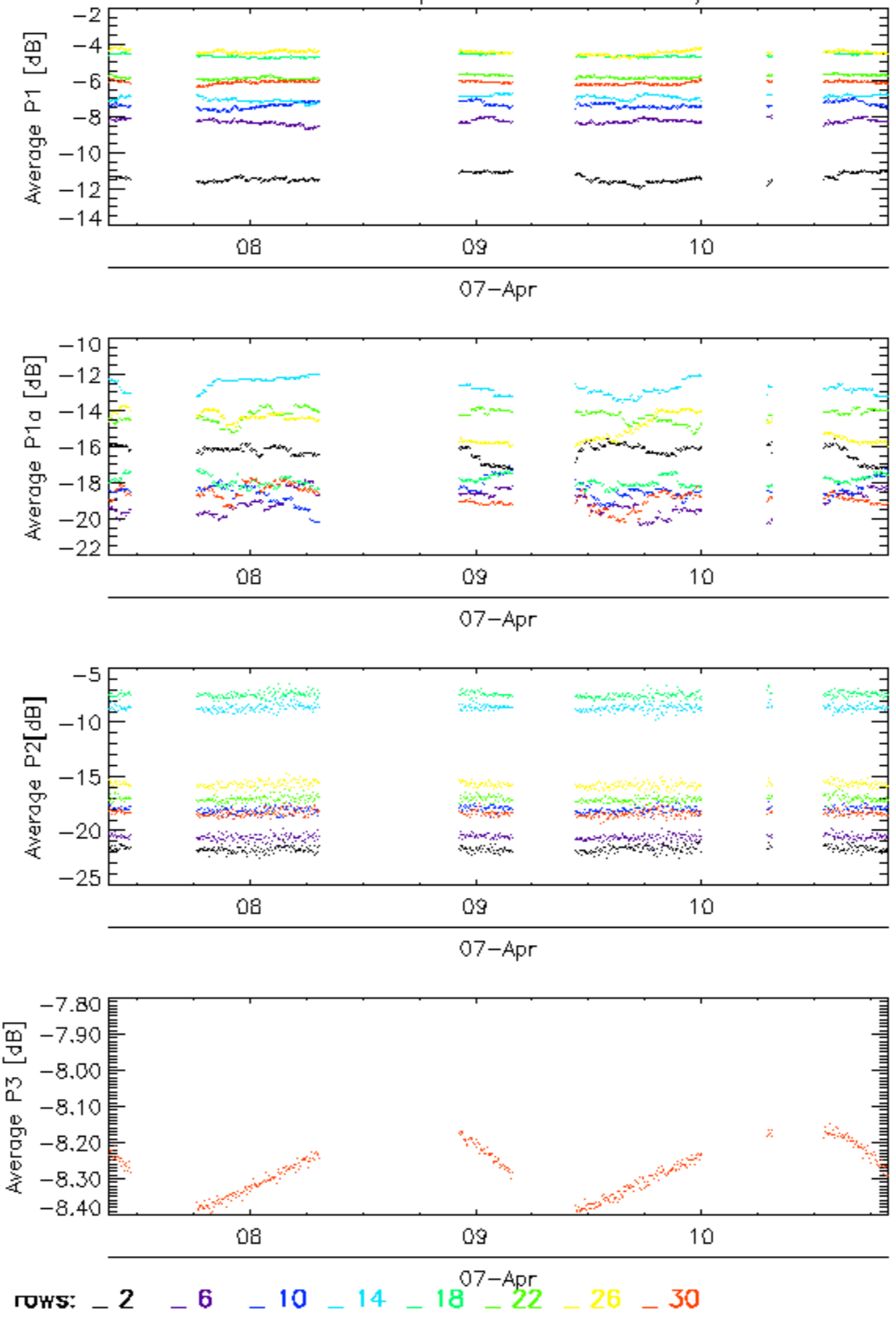


rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

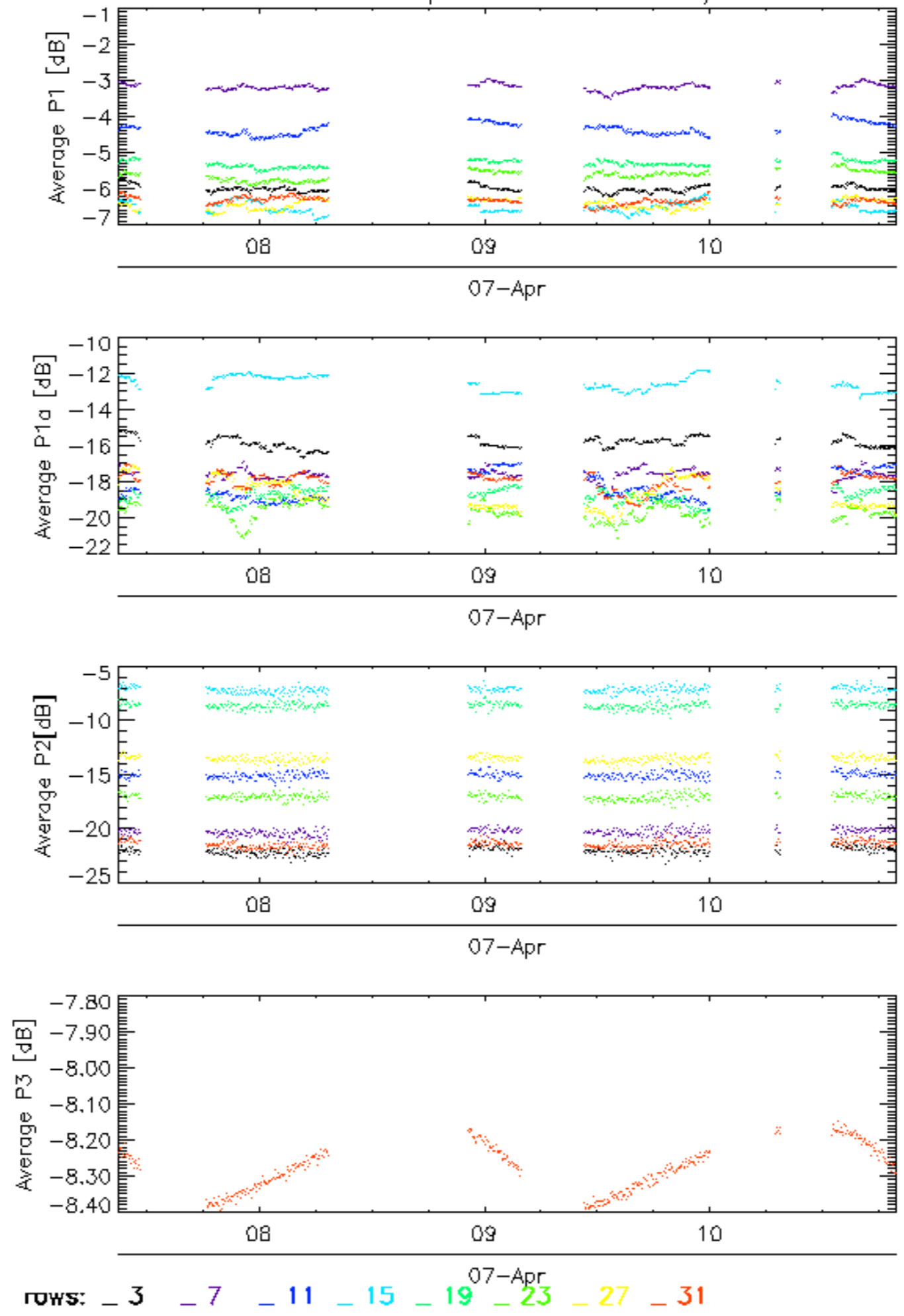
Calibration pulses for WVS IS2 V/V



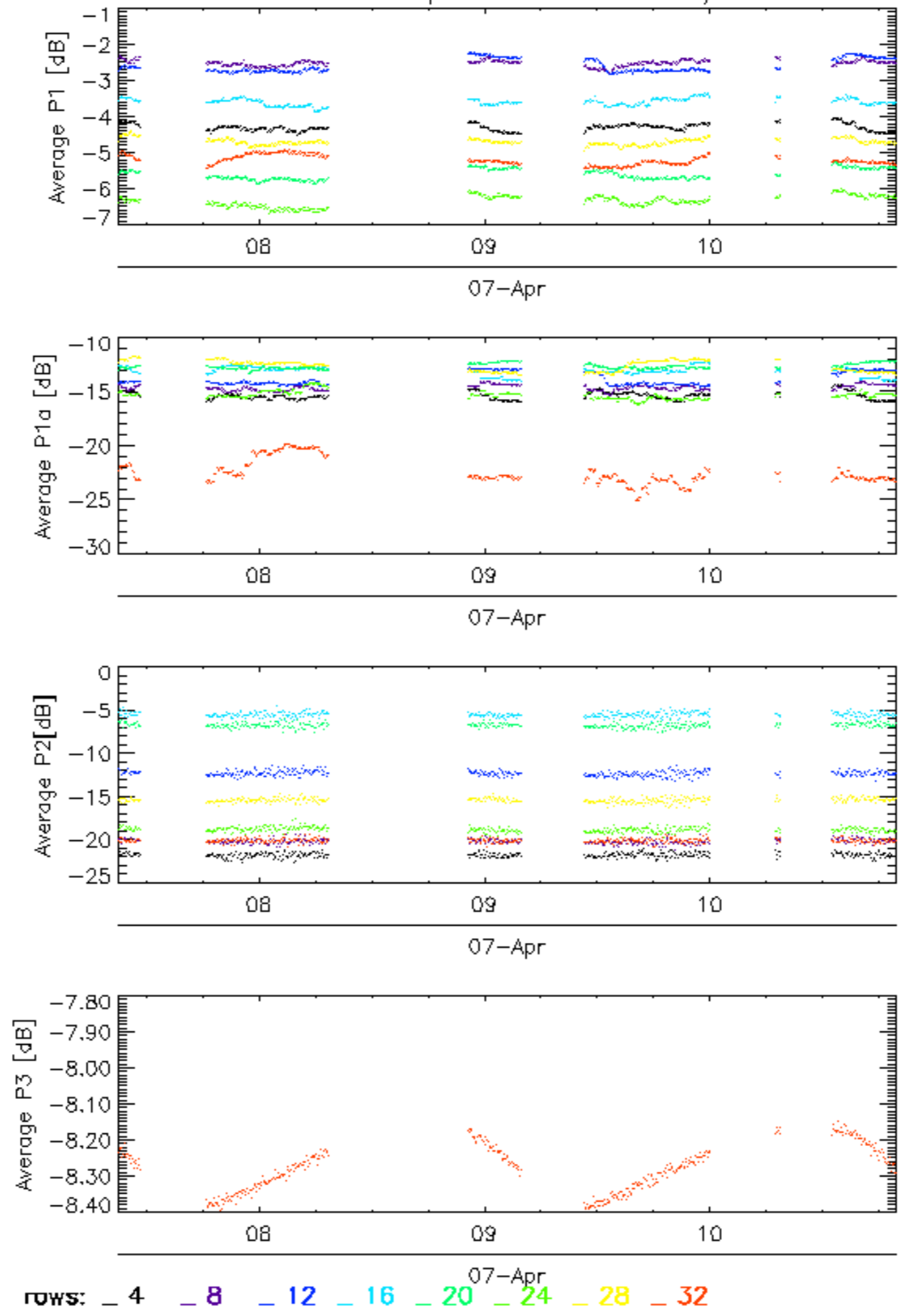
Calibration pulses for WVS IS2 V/V

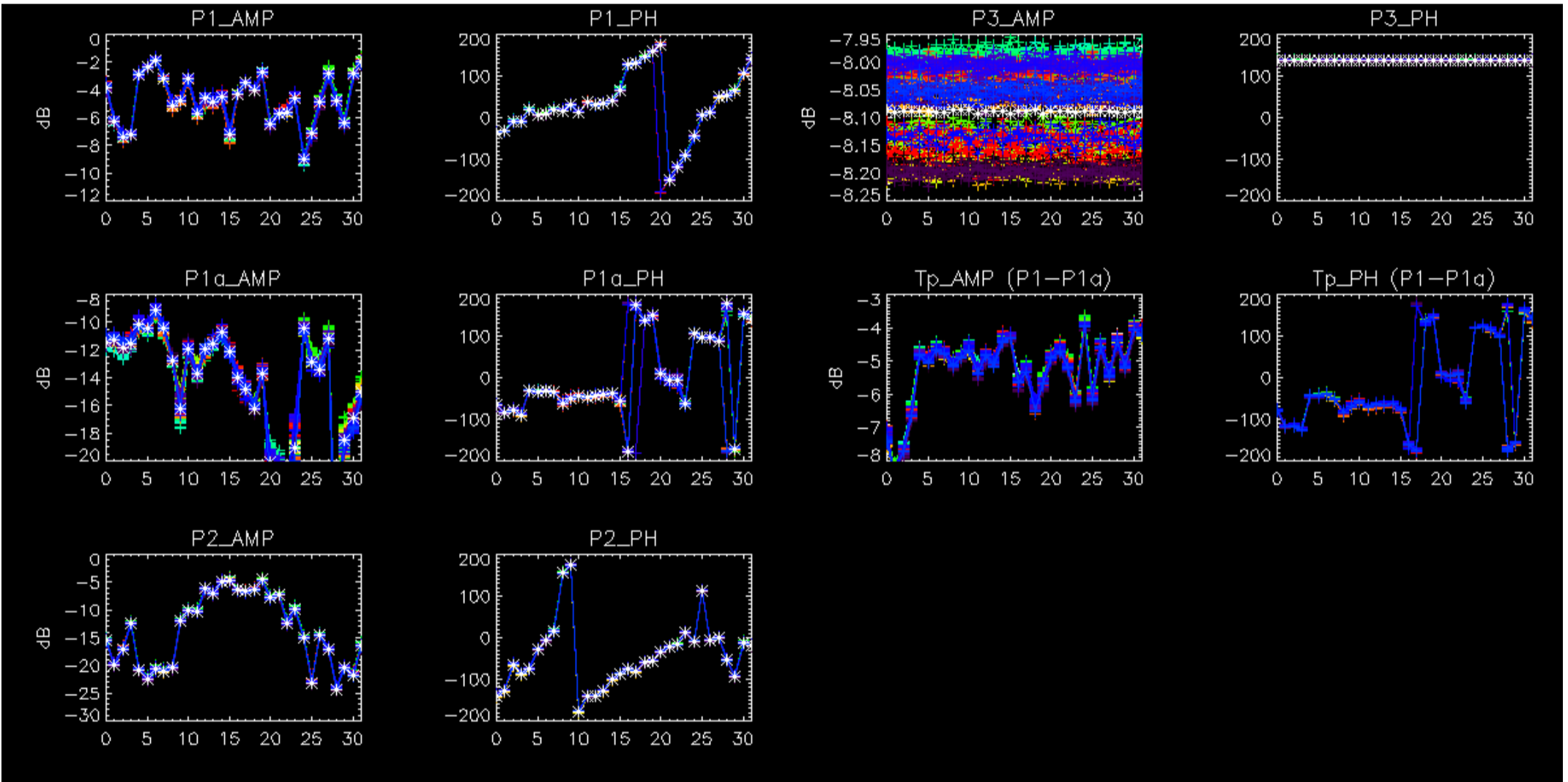


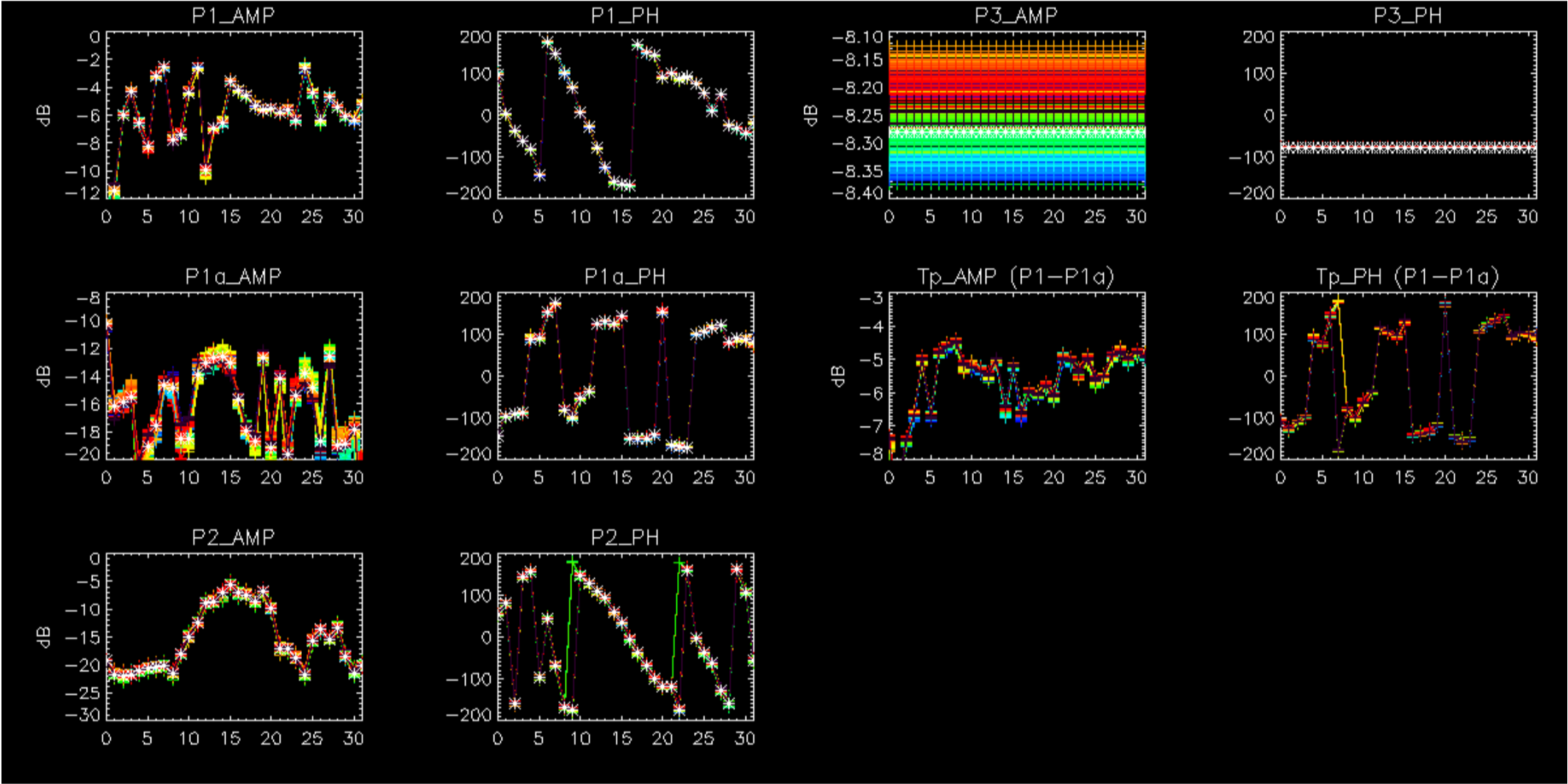
Calibration pulses for WVS IS2 V/V

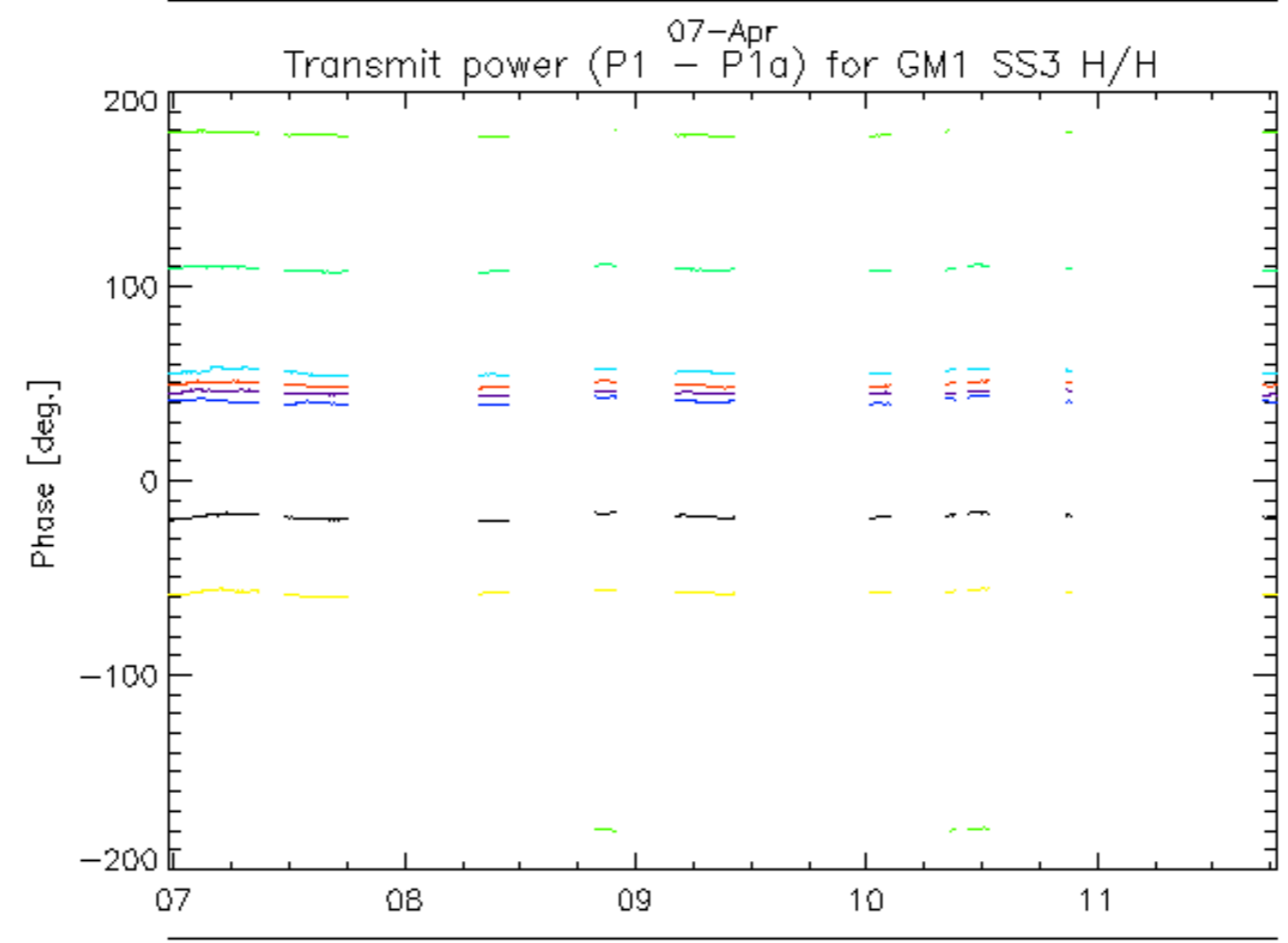
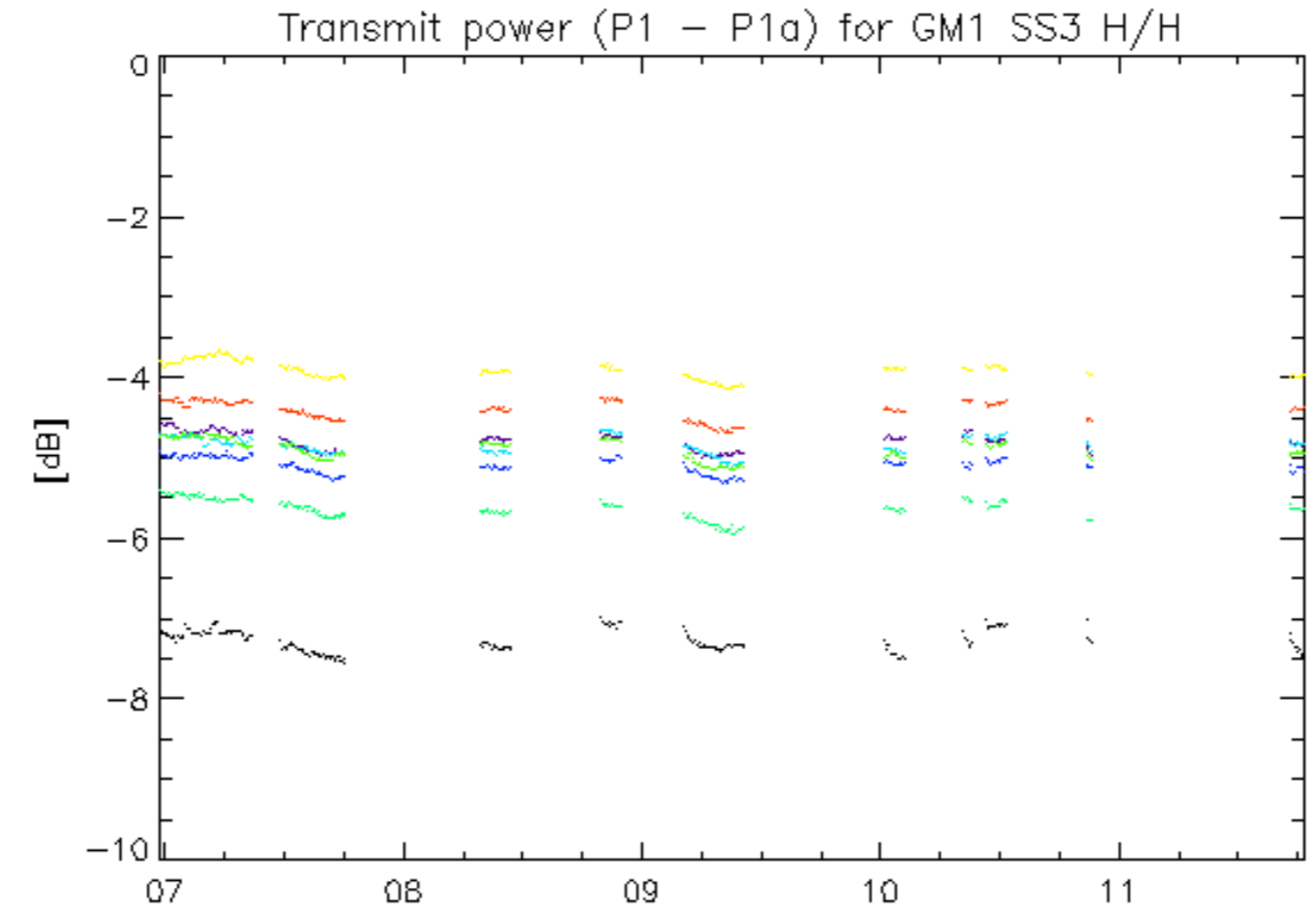


Calibration pulses for WVS IS2 V/V

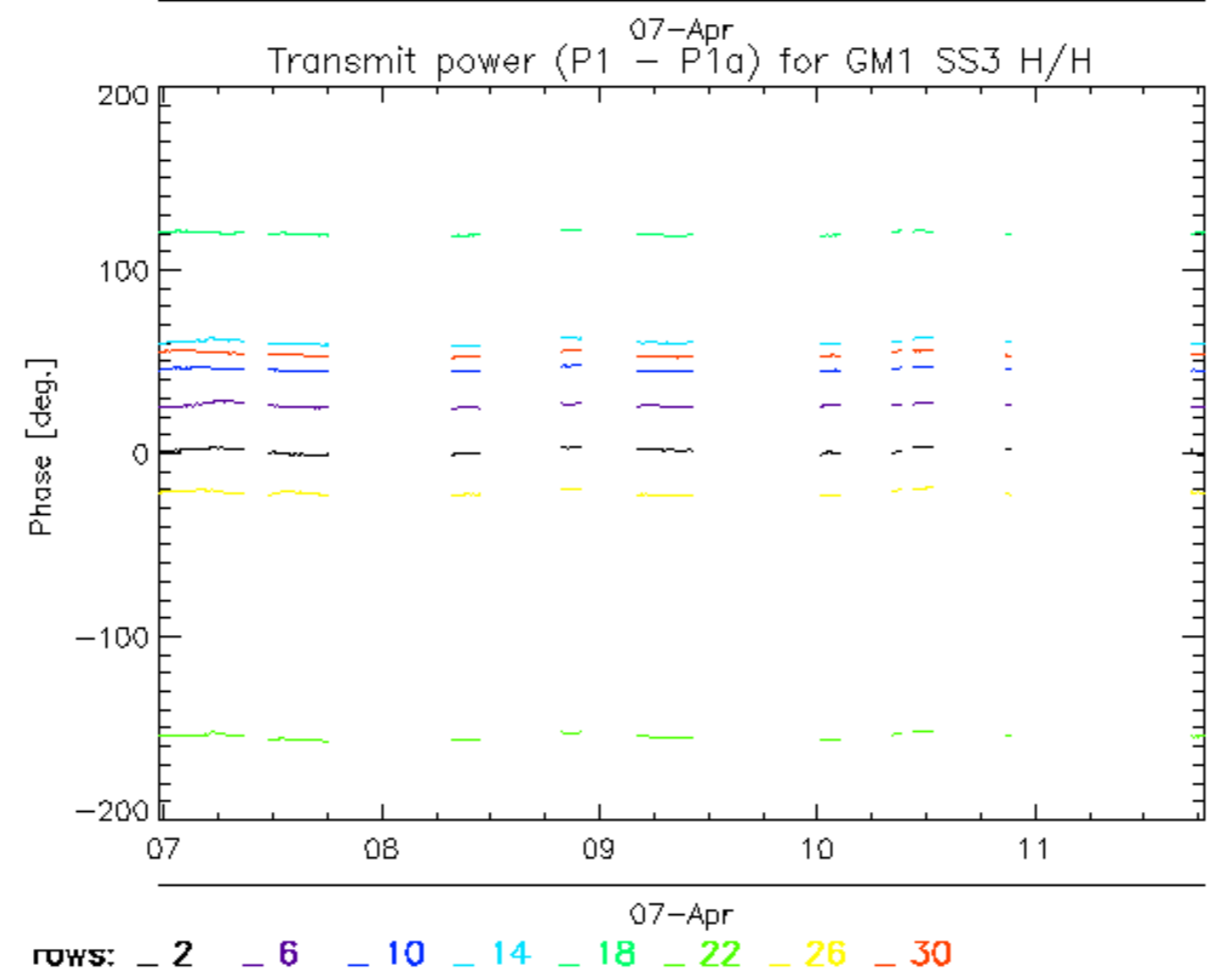
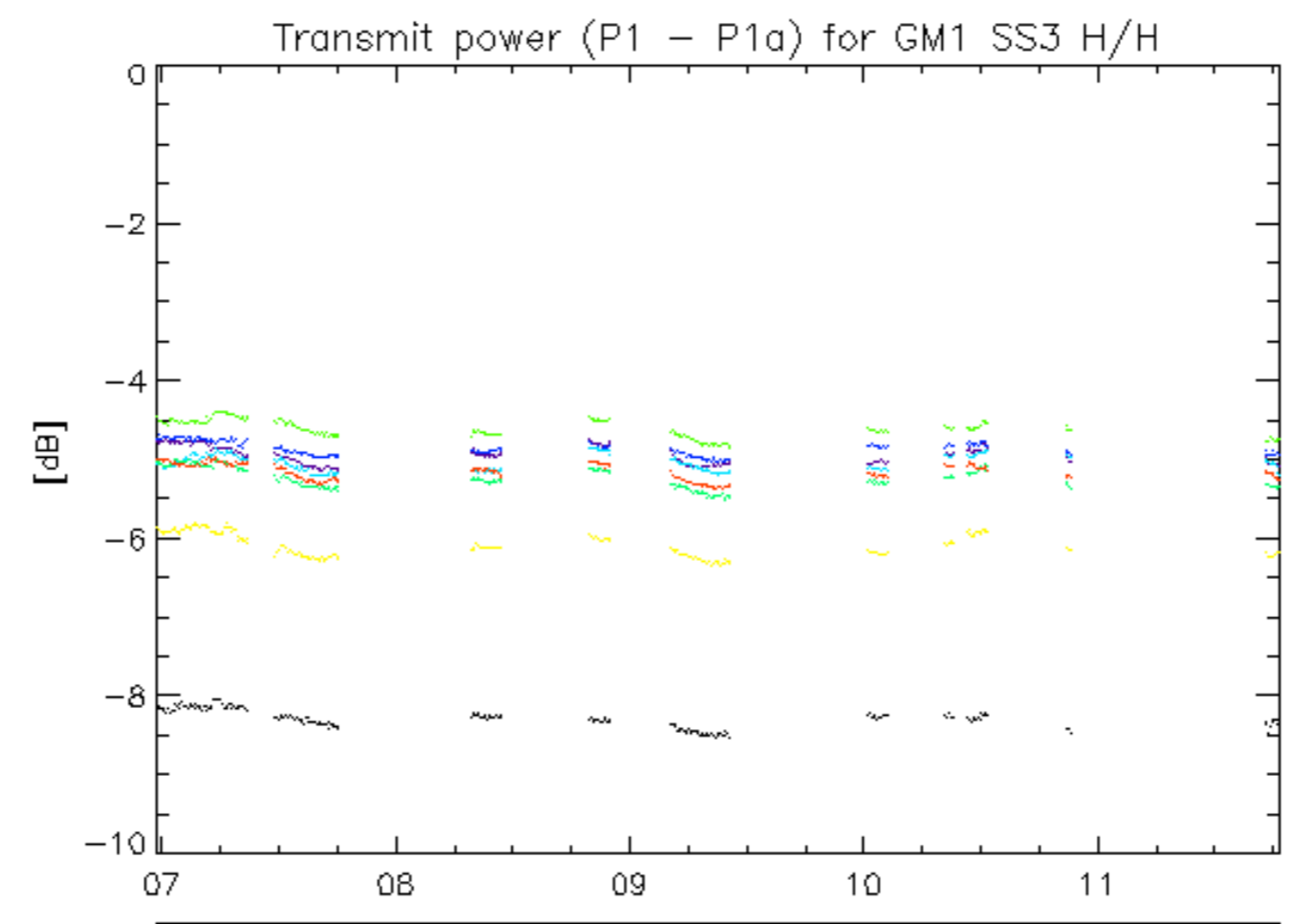


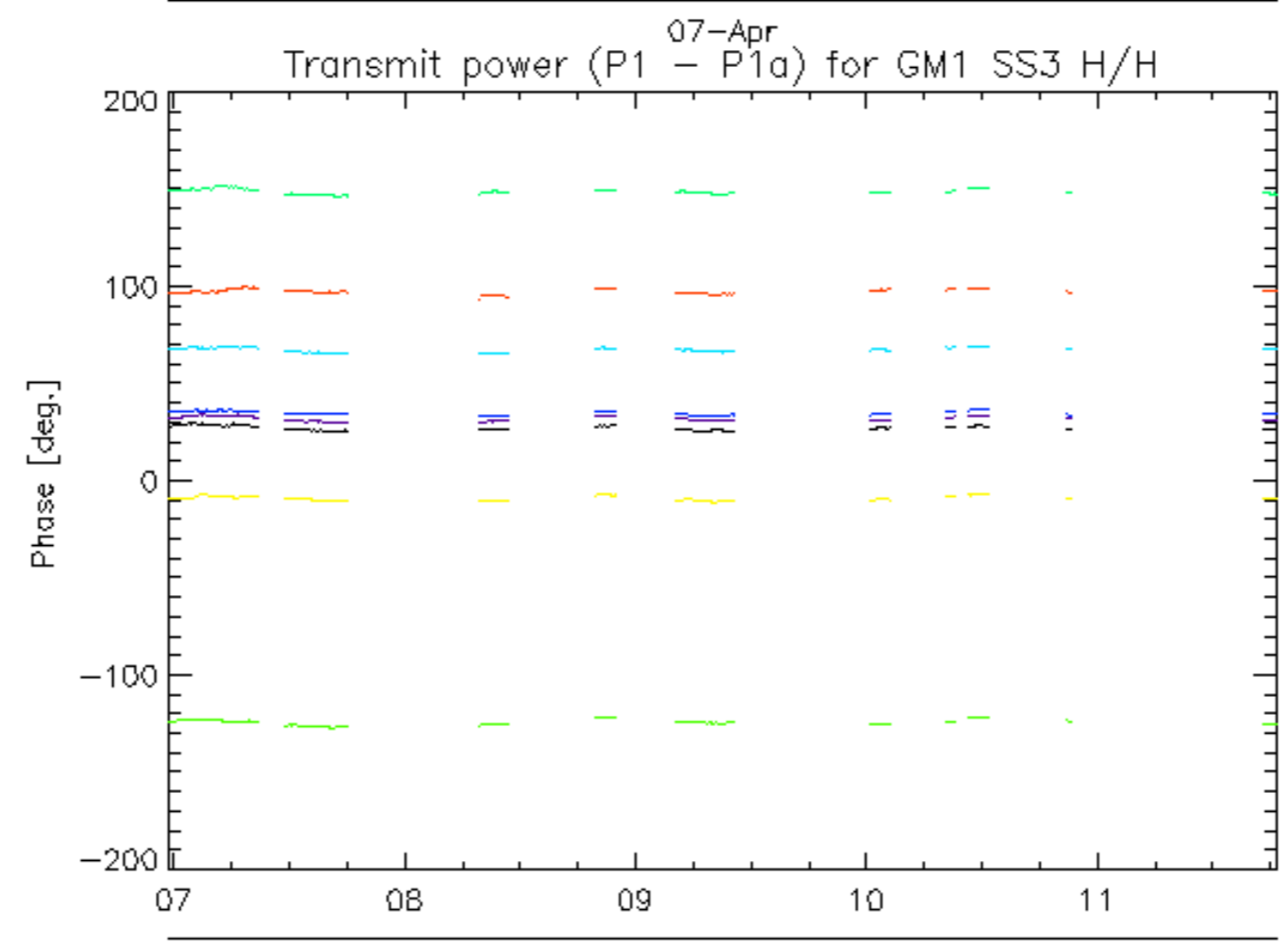
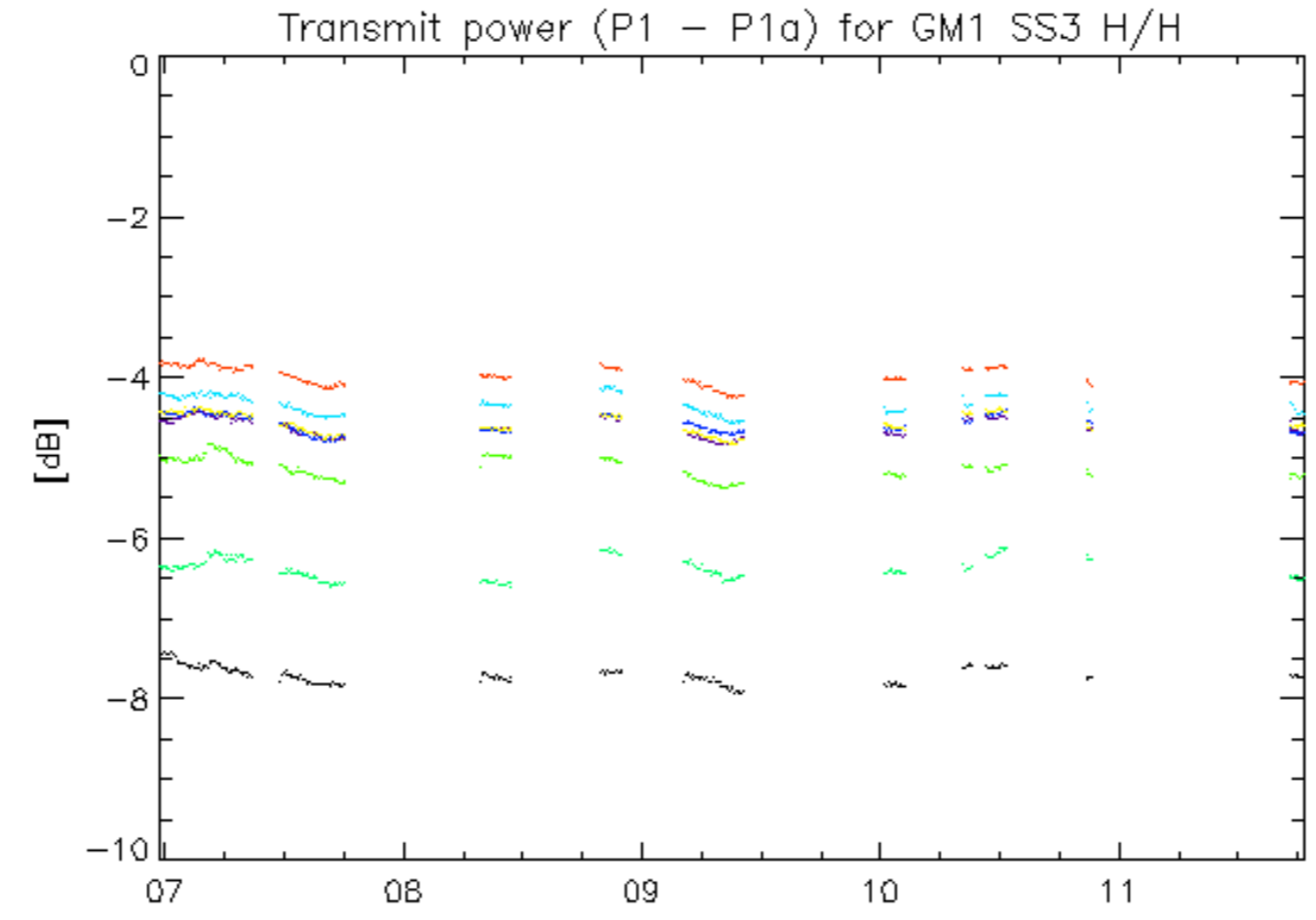




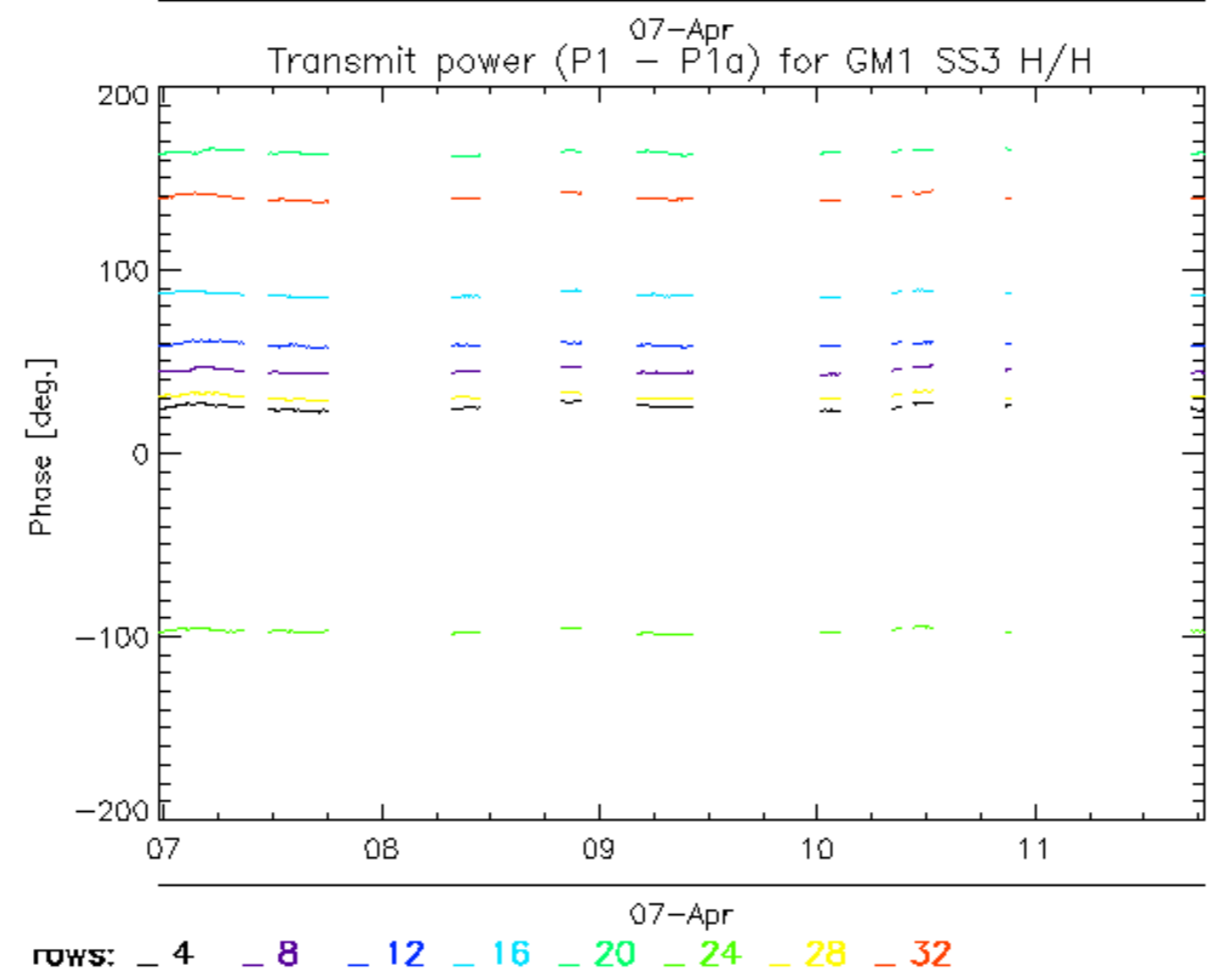
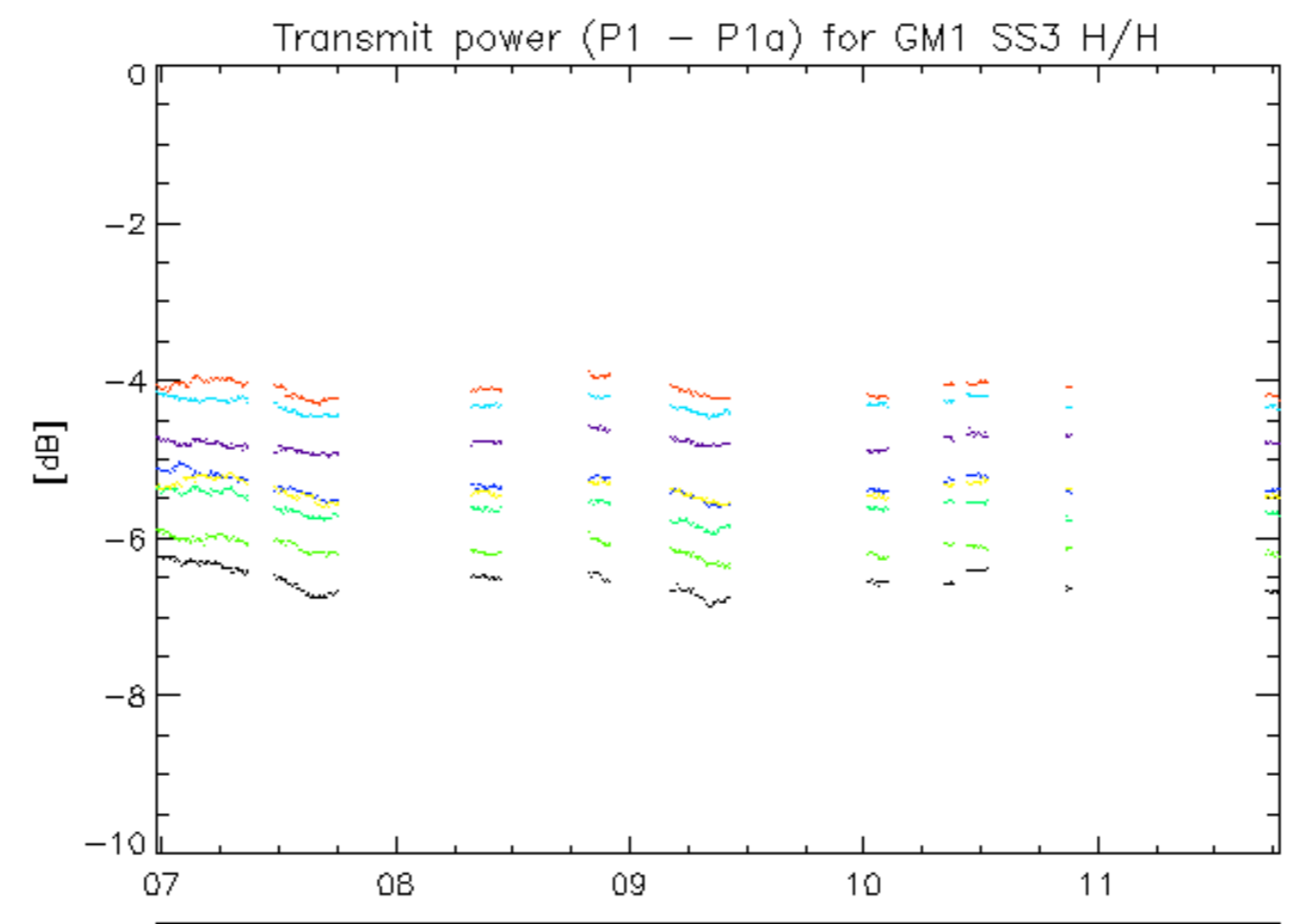


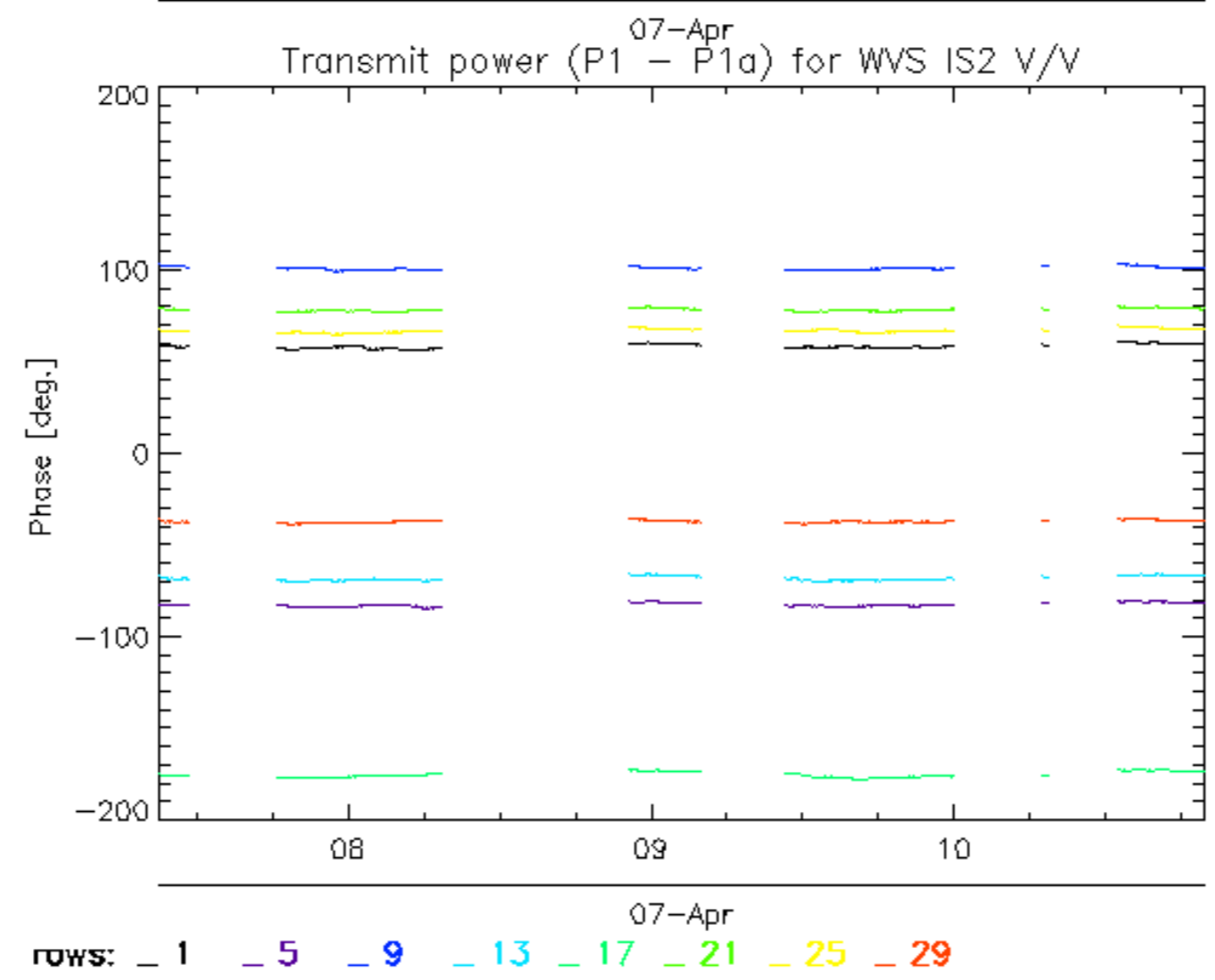
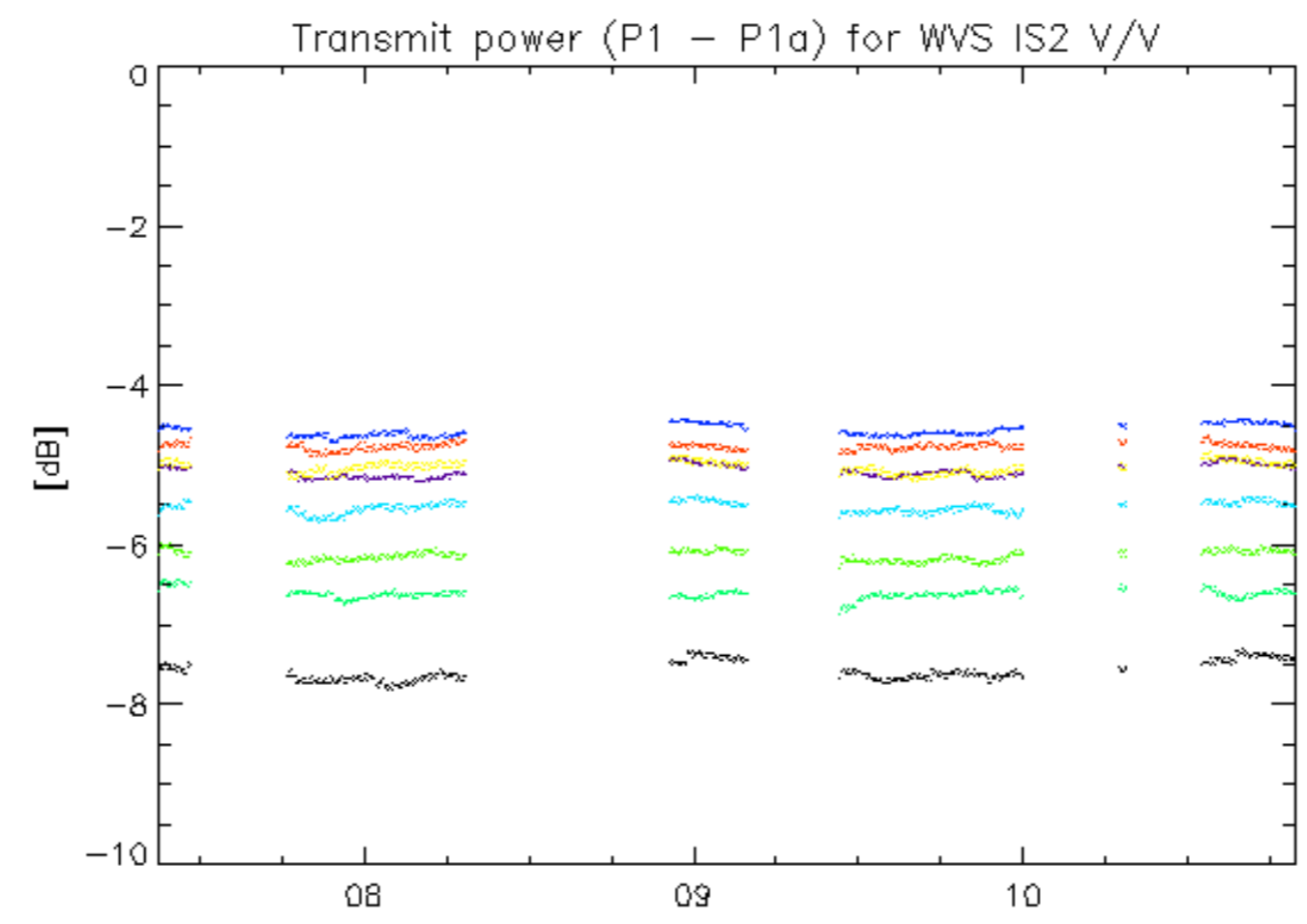
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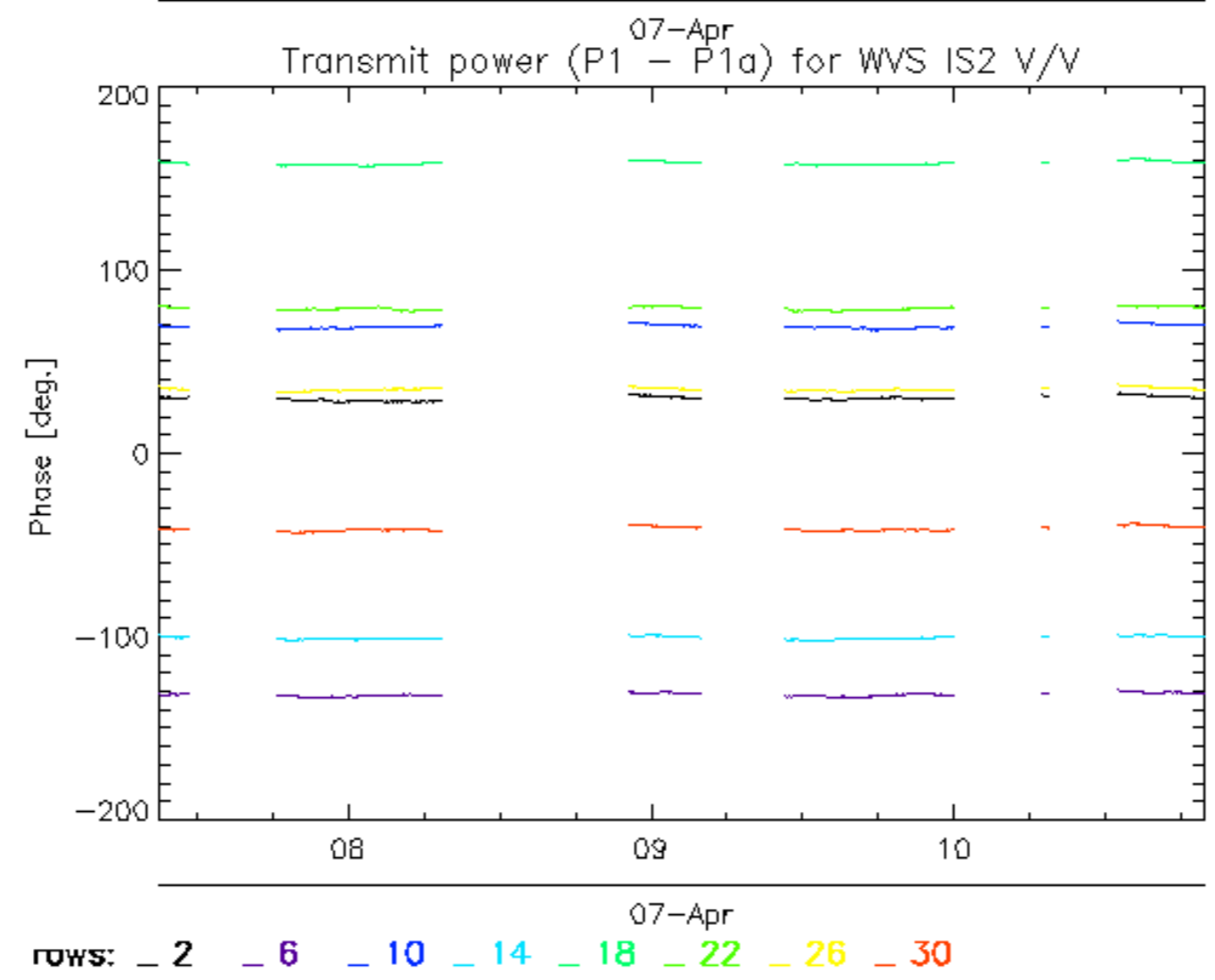
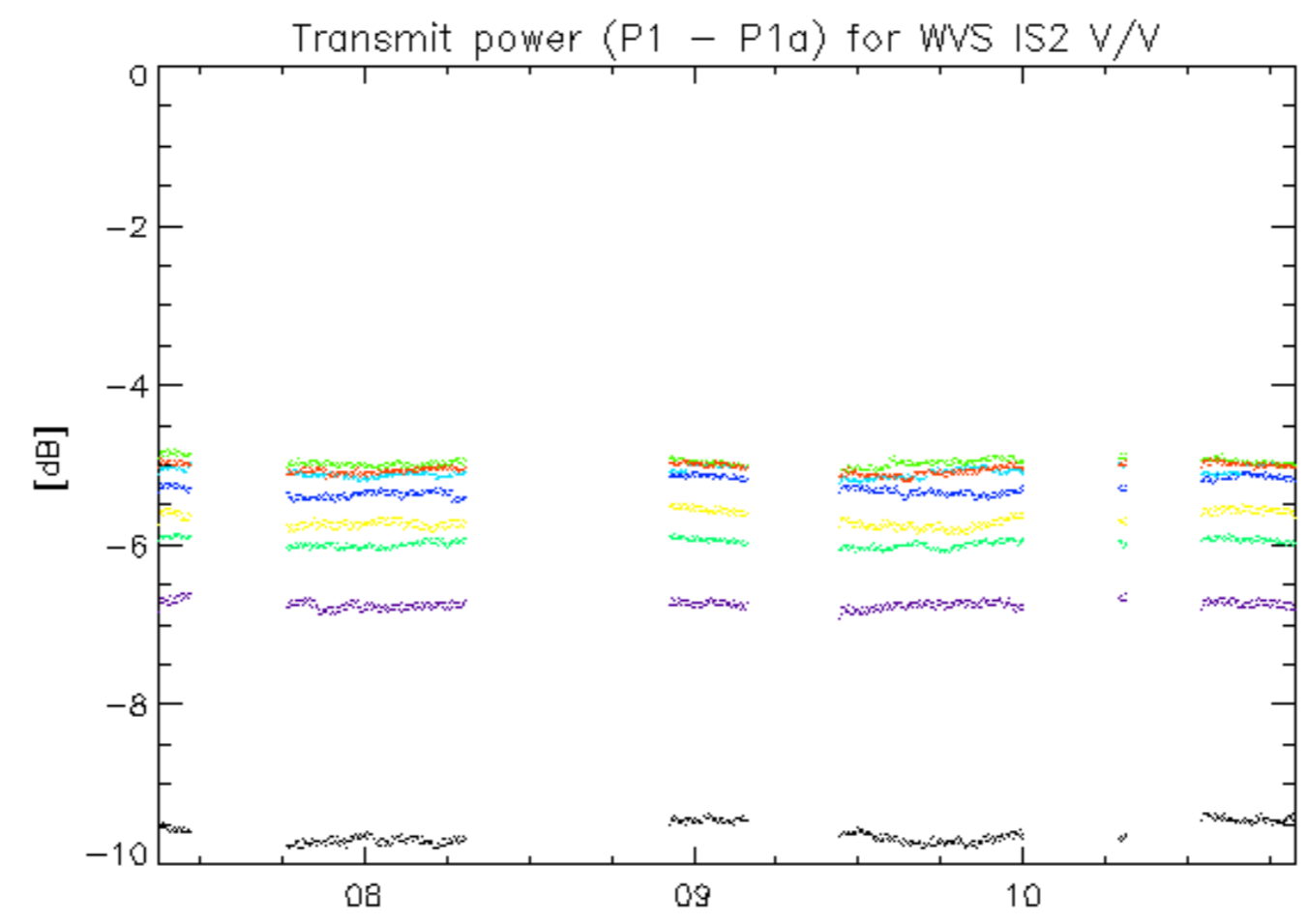


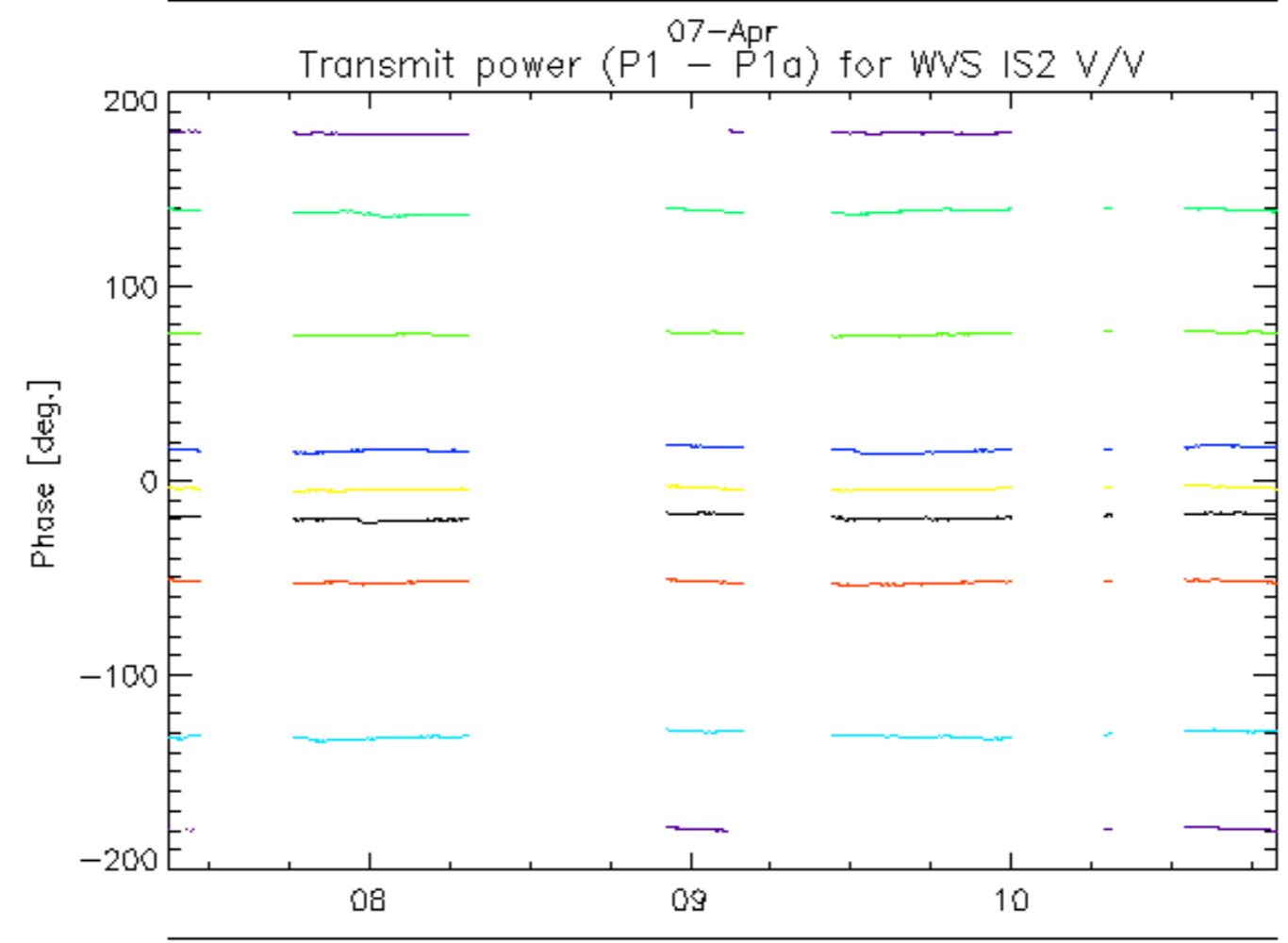
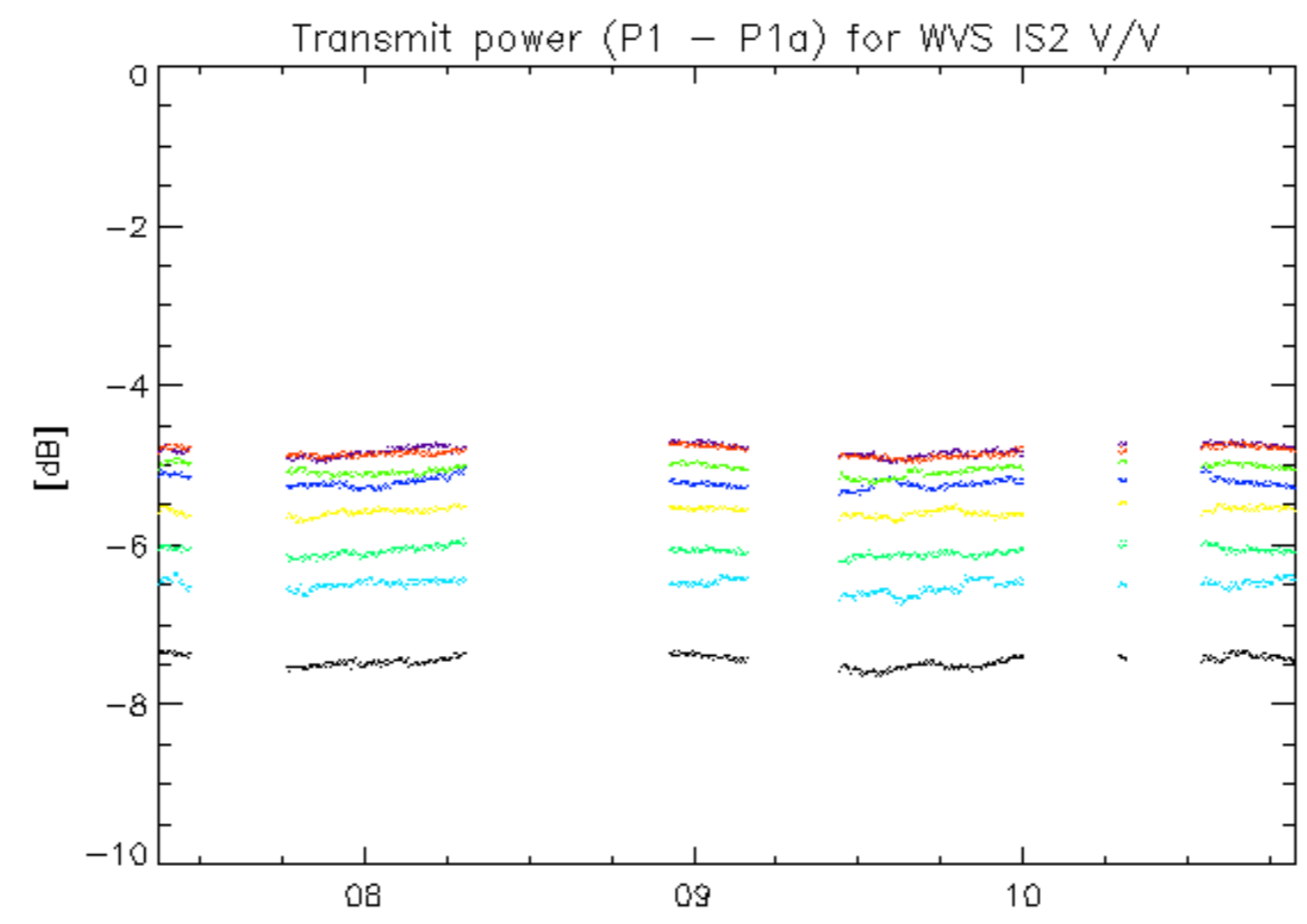


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rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

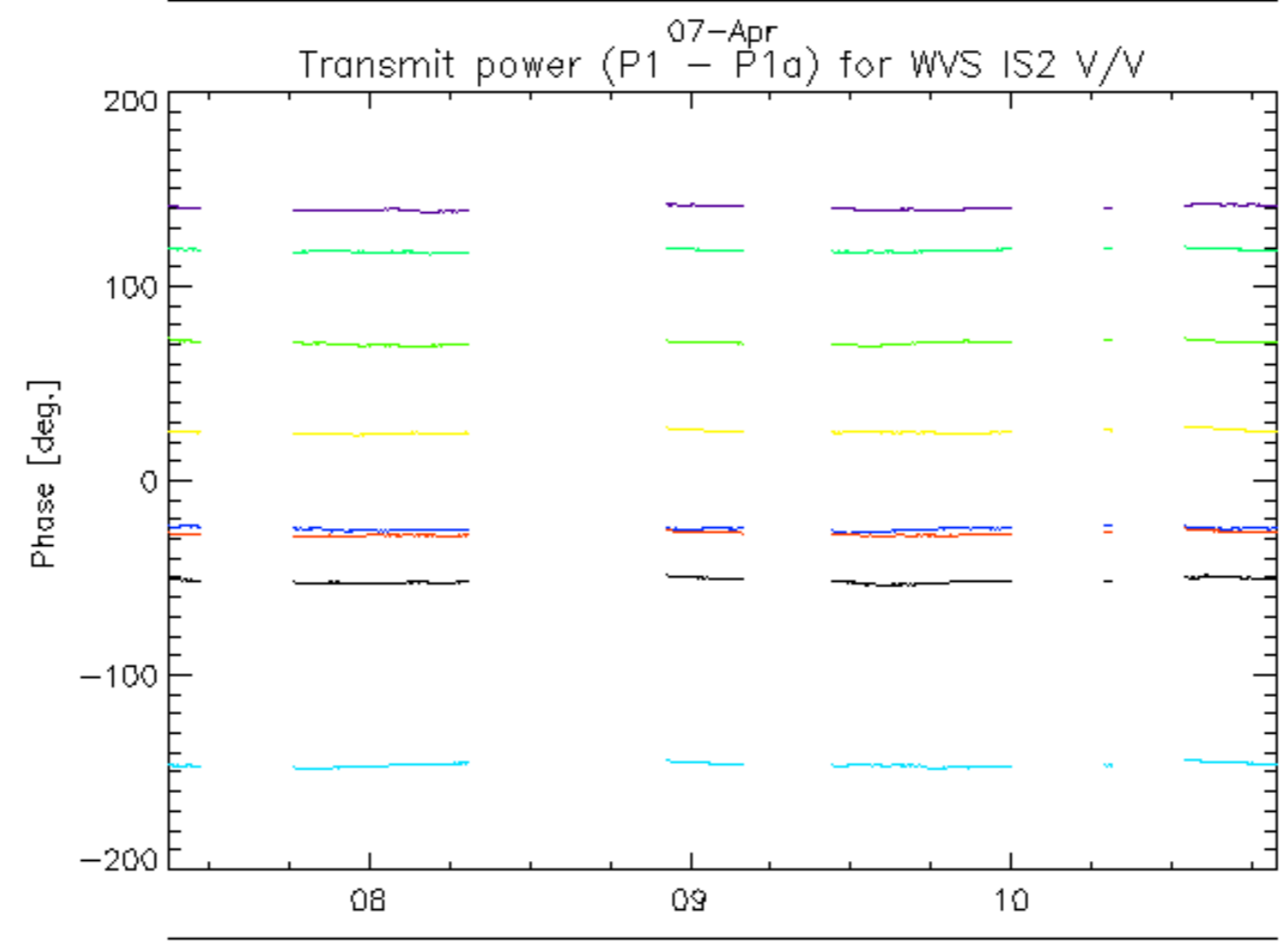
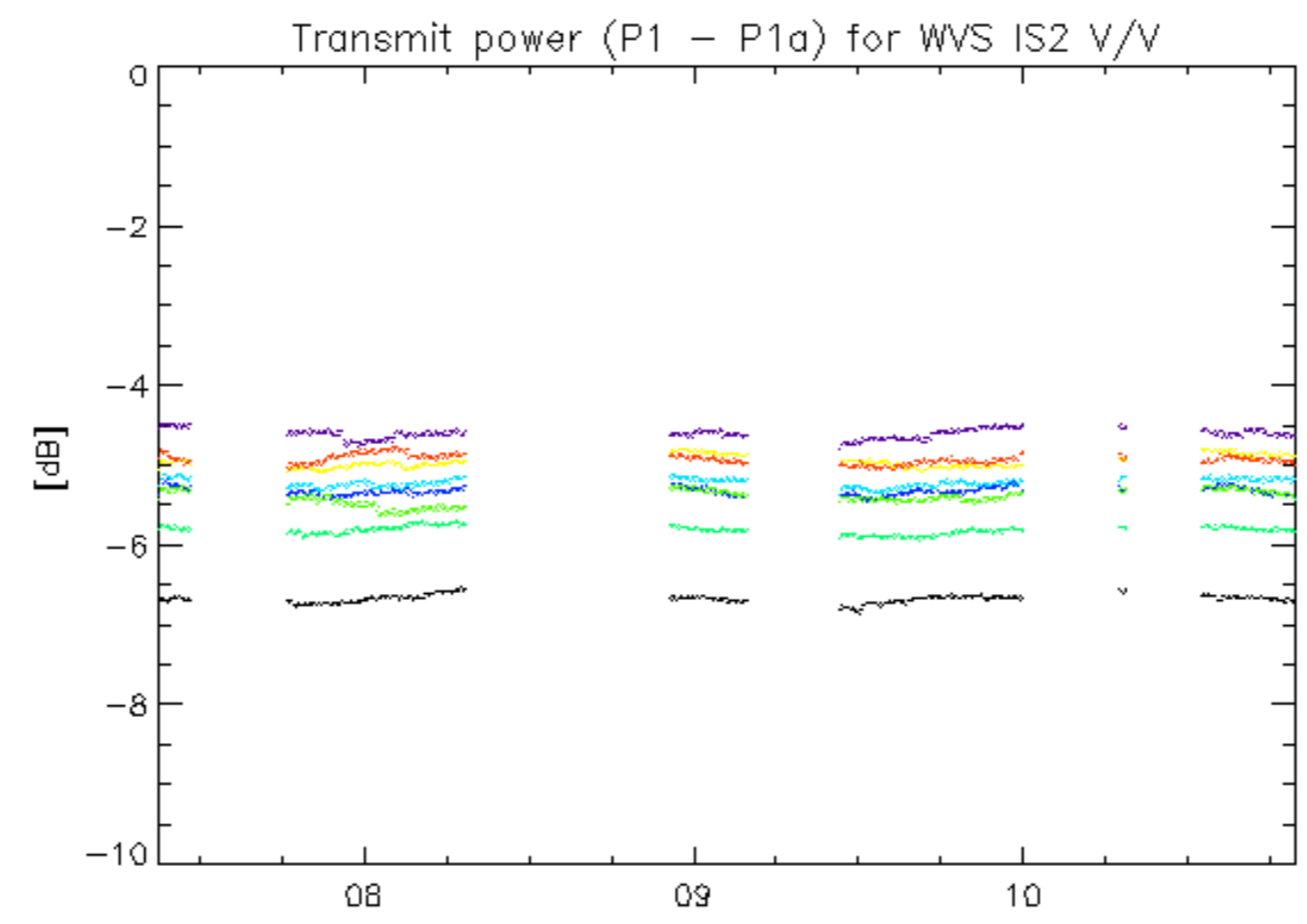




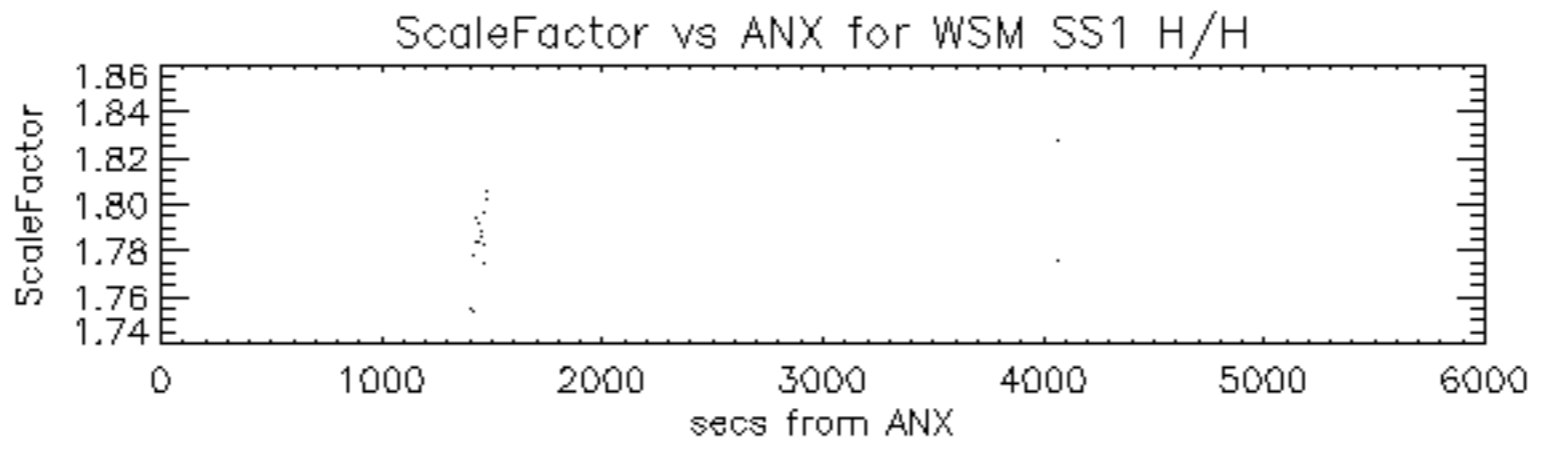


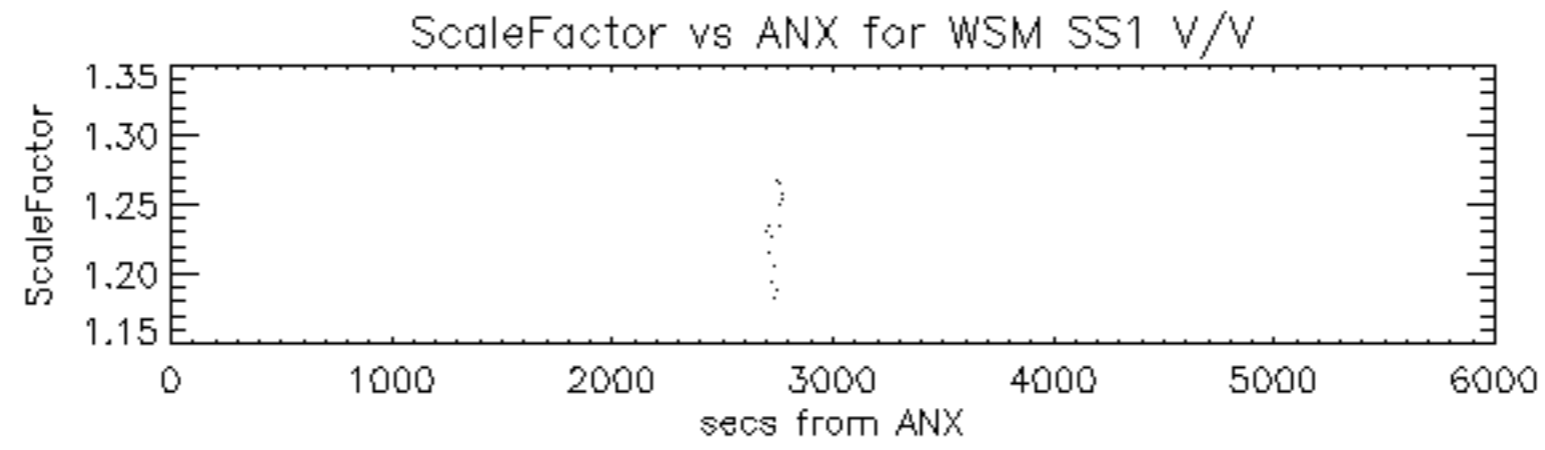


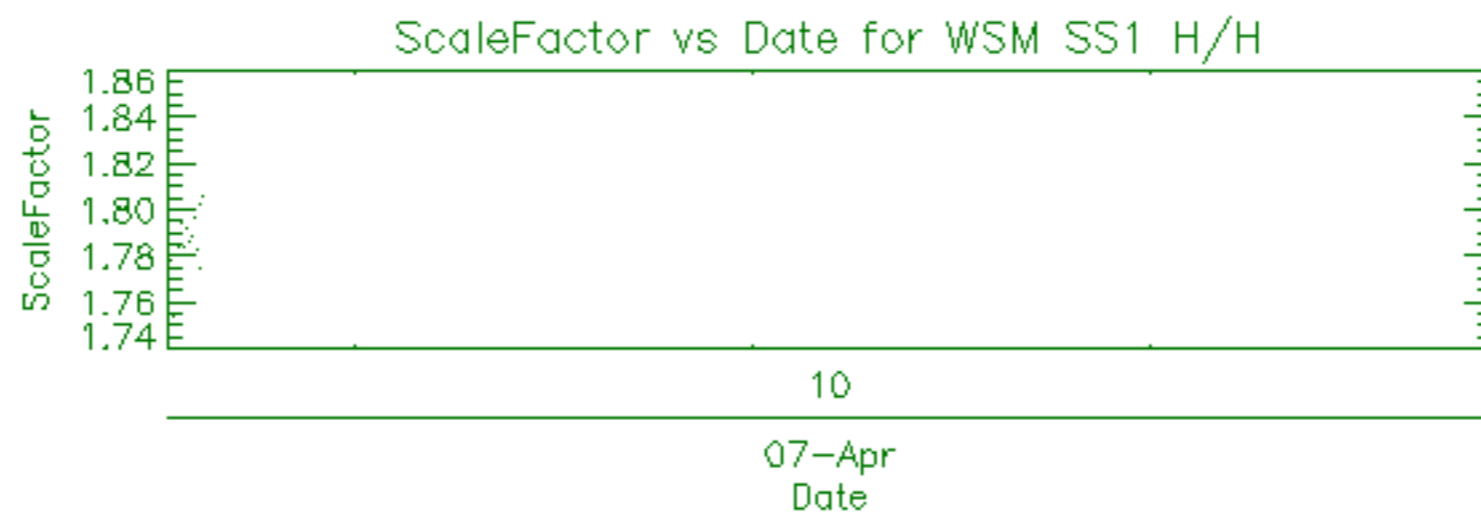
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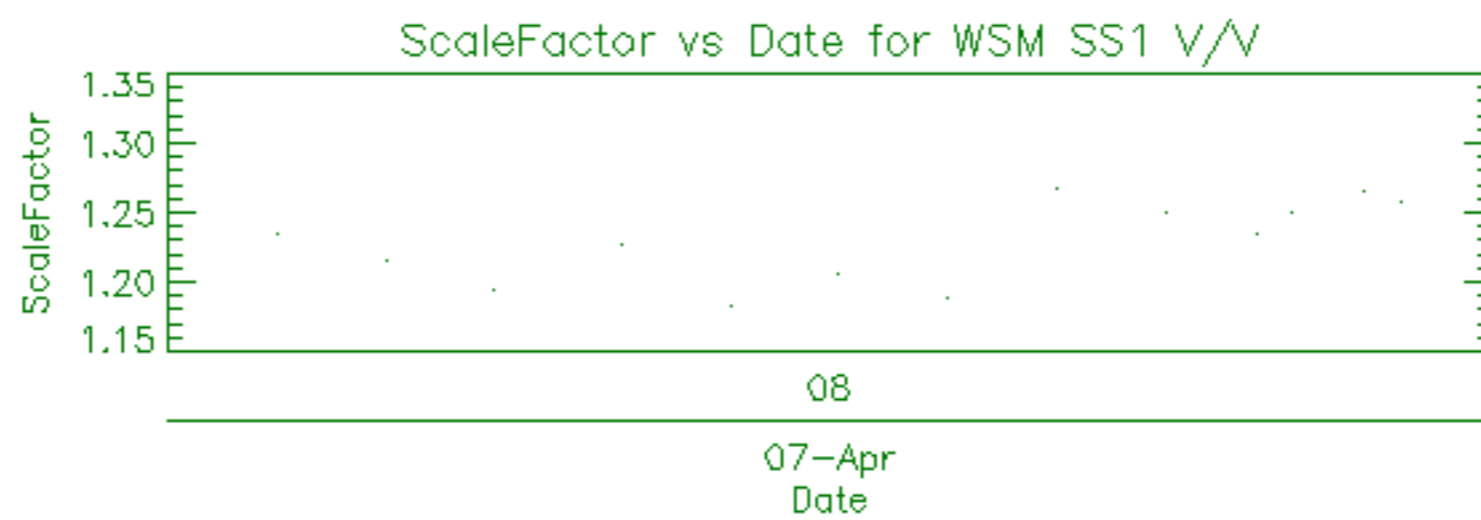


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rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32









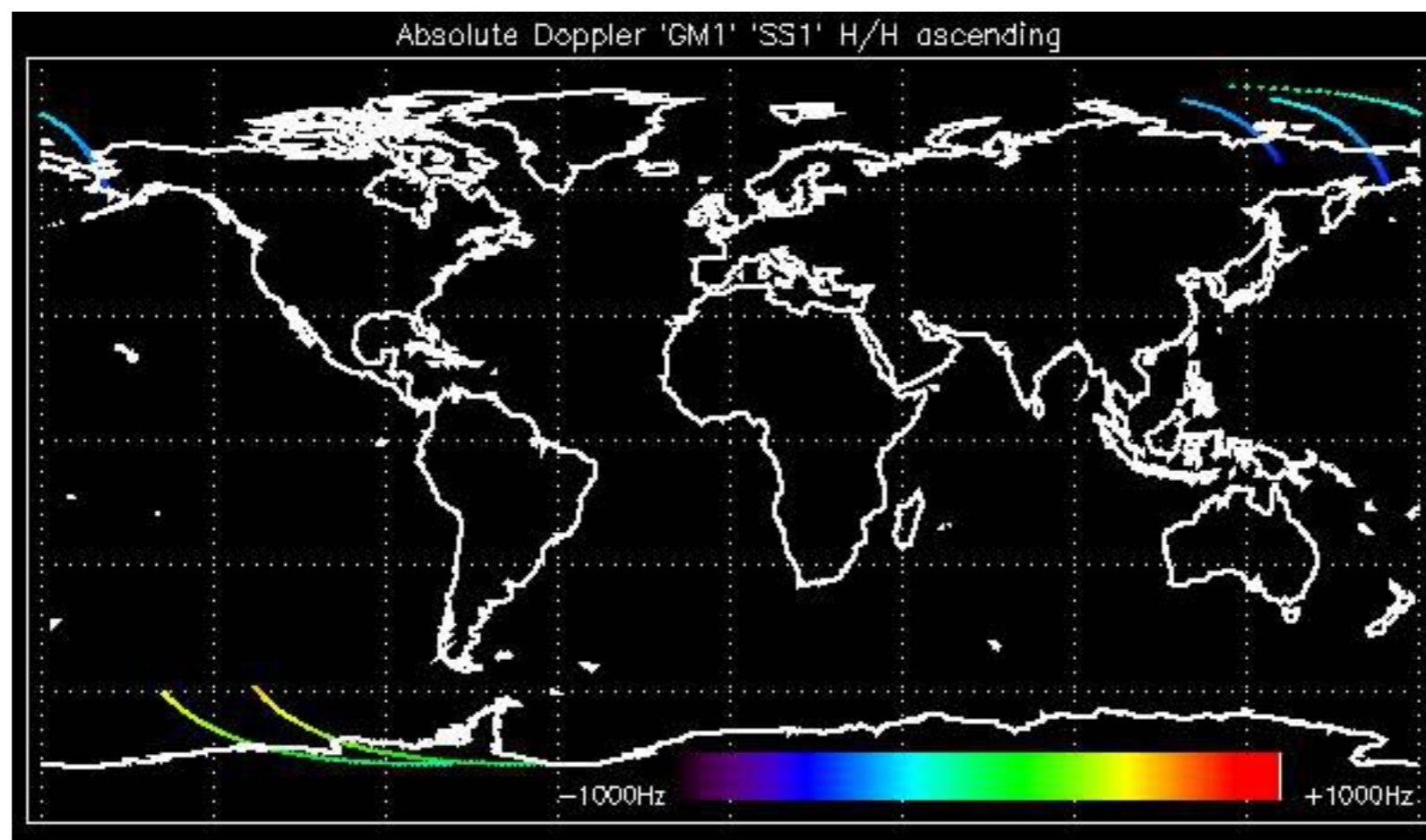
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| ASA_GM1_1PNPDK20090407_072858_000010142078_00006_37134_3973.N1 | | | | | | SS1 | H/H | 78 | 37134 | 6 | 4.07 |
| ASA_GM1_1PNPDK20090407_081914_000005132078_00007_37135_3881.N1 | | | | | | SS1 | H/H | 78 | 37135 | 7 | 4.07 |
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| ASA_GM1_1PNPDK20090407_091028_000009302078_00007_37135_4034.N1 | | | | | | SS1 | H/H | 78 | 37135 | 7 | 4.07 |
| ASA_GM1_1PNPDK20090407_100046_000003742078_00008_37136_4048.N1 | | | | | | SS1 | H/H | 78 | 37136 | 8 | 4.07 |
| ASA_GM1_1PNPDK20090407_102052_000001752078_00008_37136_4155.N1 | | | | | | SS1 | H/H | 78 | 37136 | 8 | 4.07 |
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| ASA_GM1_1PNPDK20090407_105152_000001262078_00008_37136_4166.N1 | | | | | | SS1 | H/H | 78 | 37136 | 8 | 4.07 |
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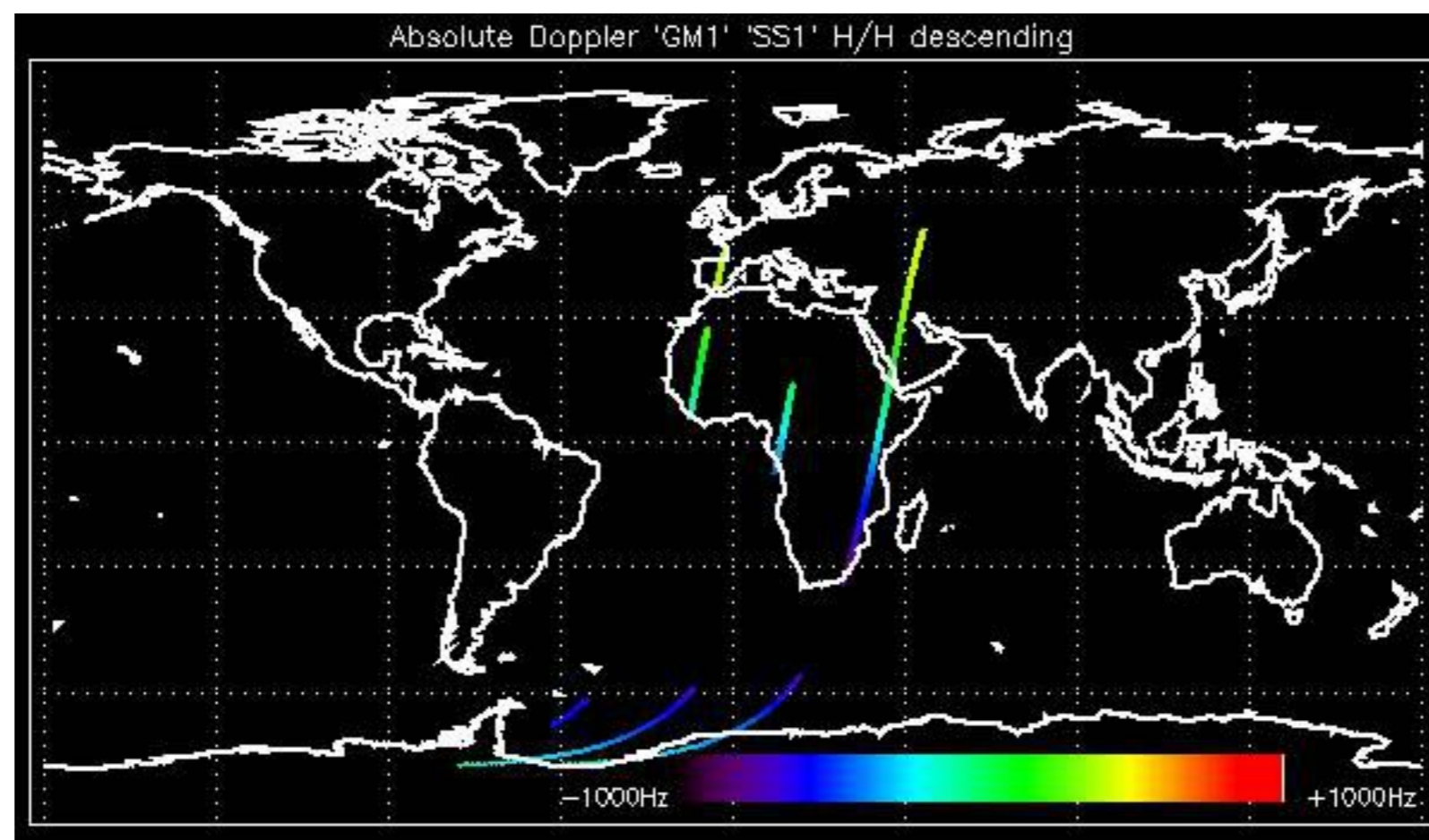
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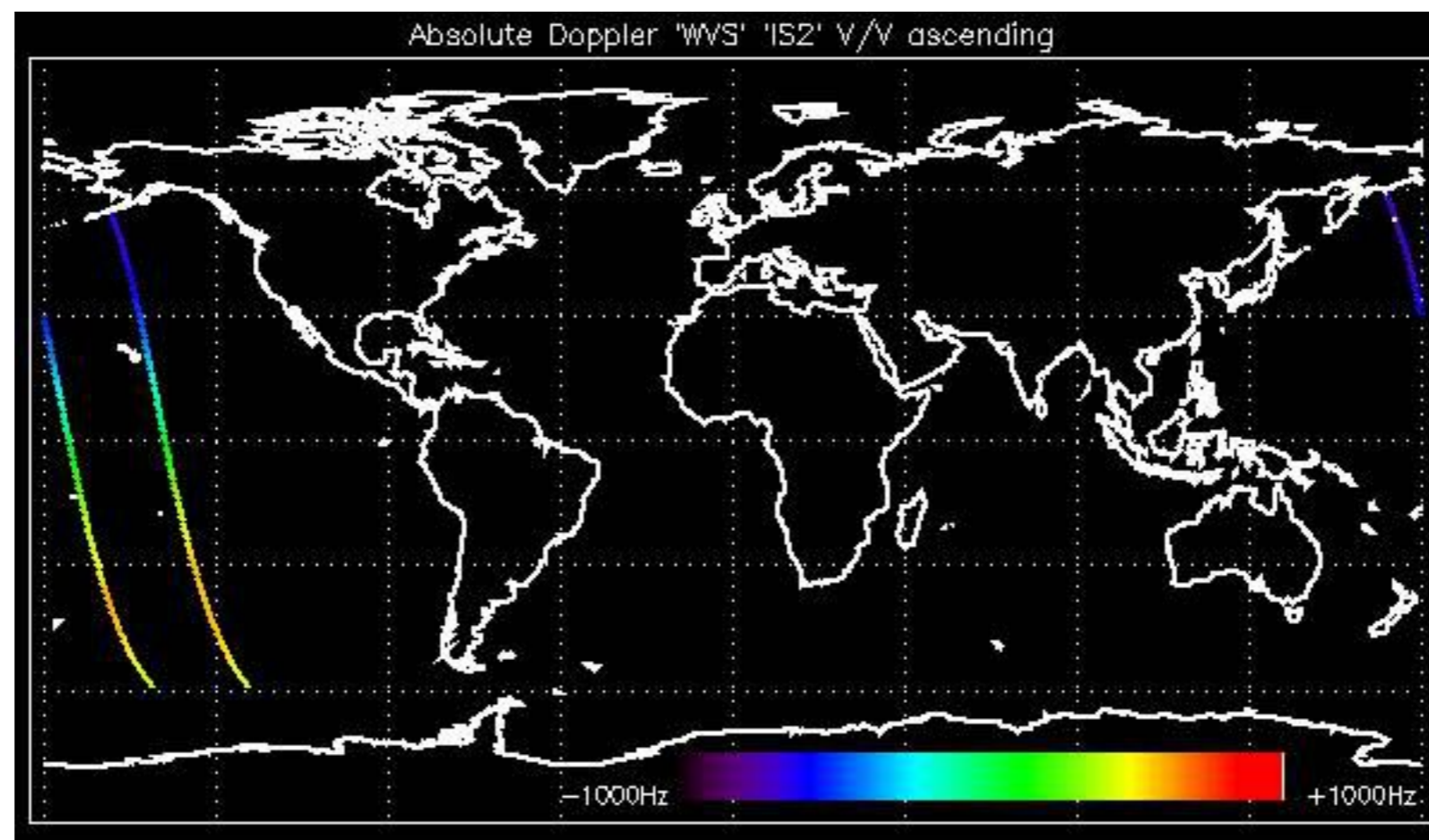


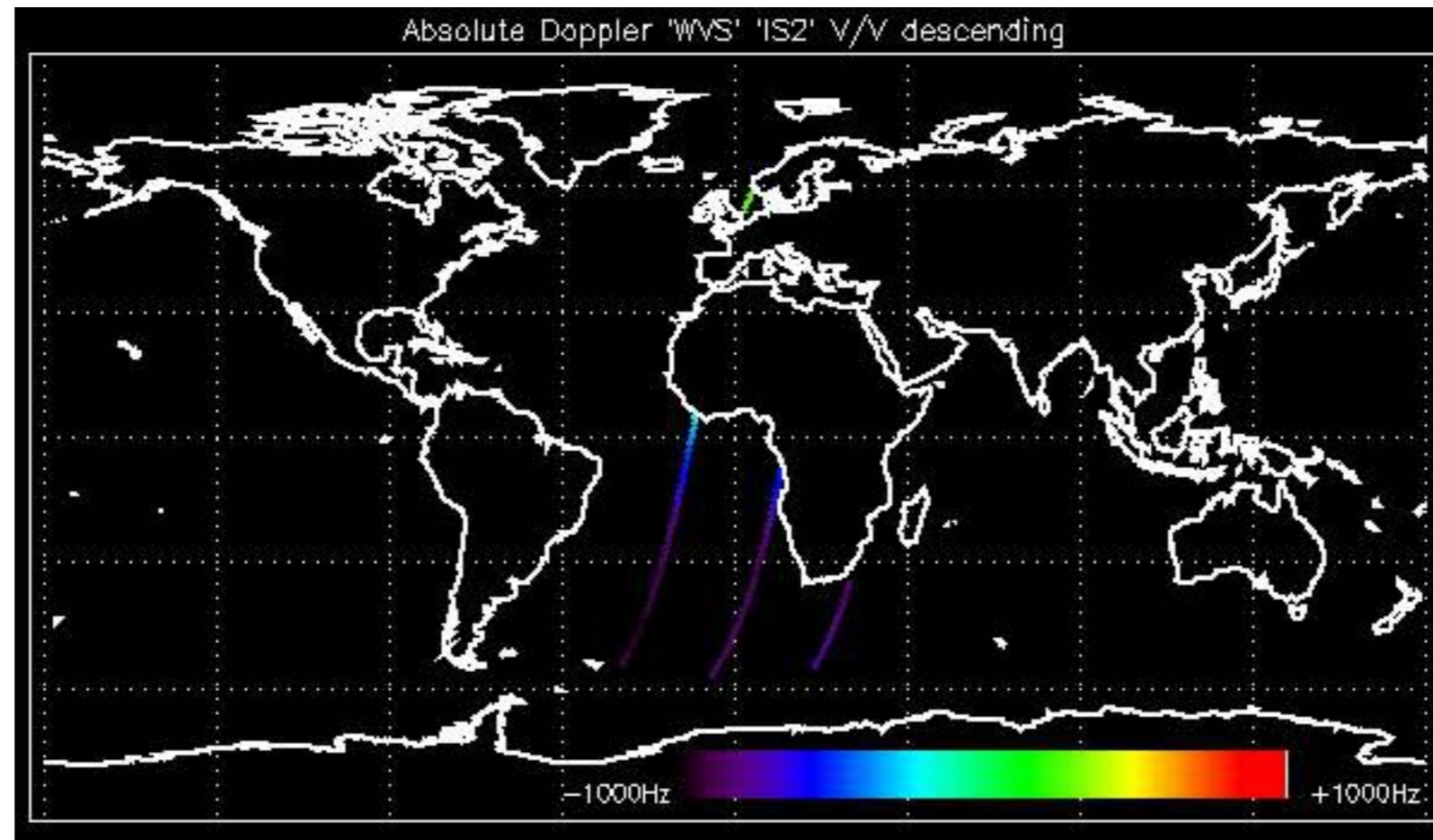
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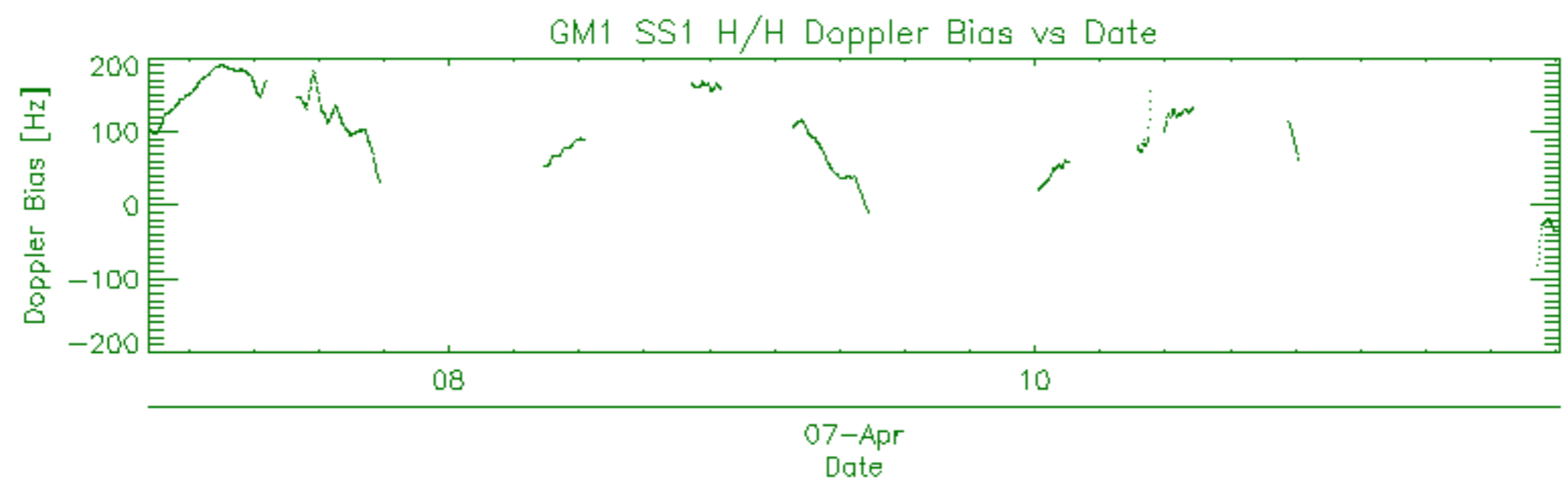
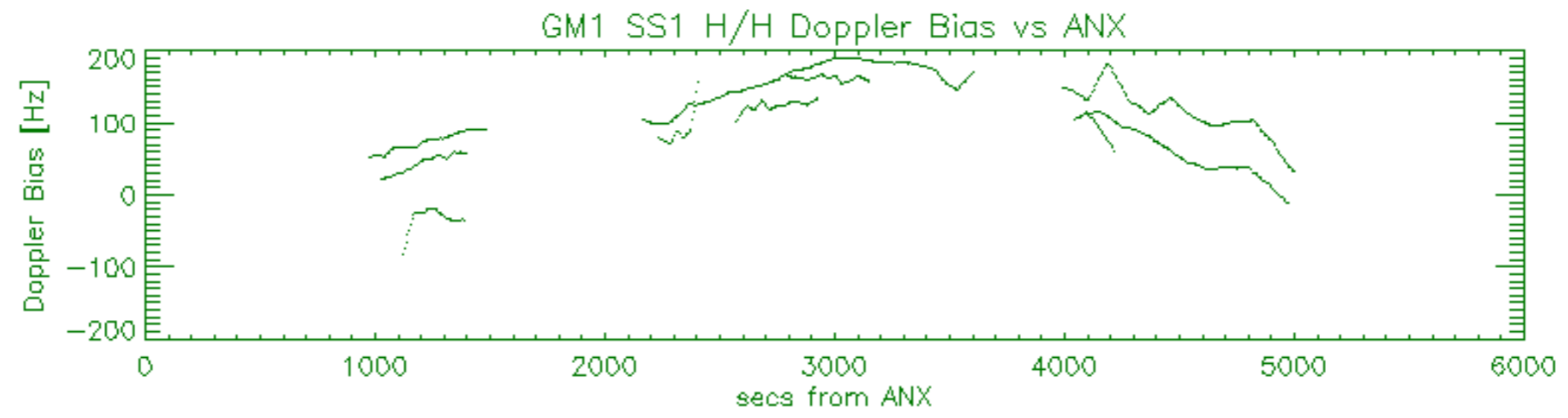
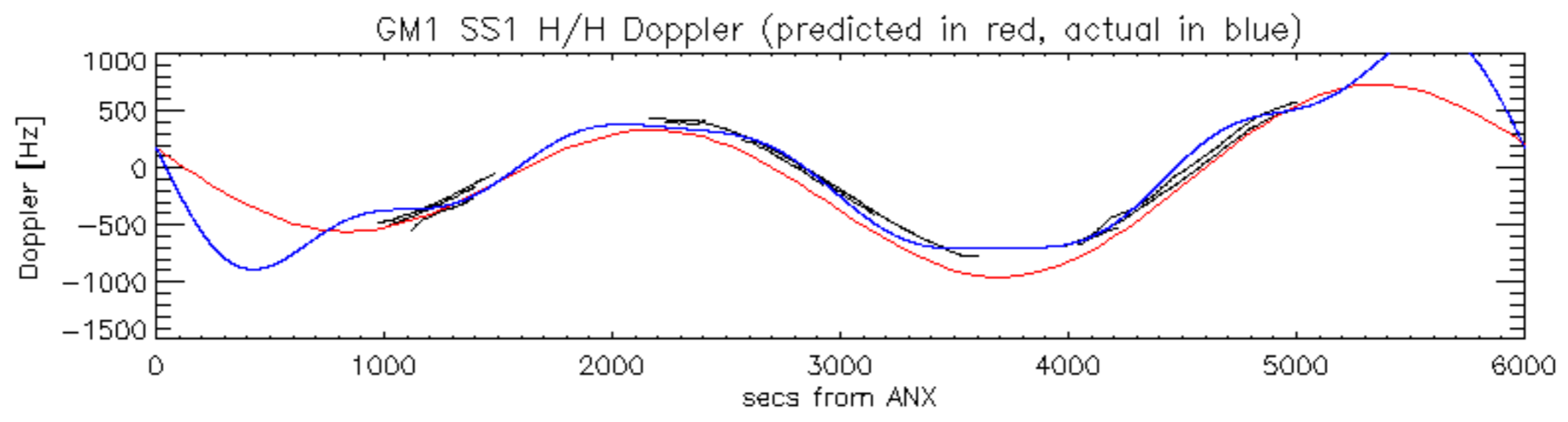
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| ASA_WVS_1PNPDK20090407_092633_000020092078_00007_37135_4051.N1 | | | | | | IS2 | V/V | 78 | 37135 | 7 | 4.07 |
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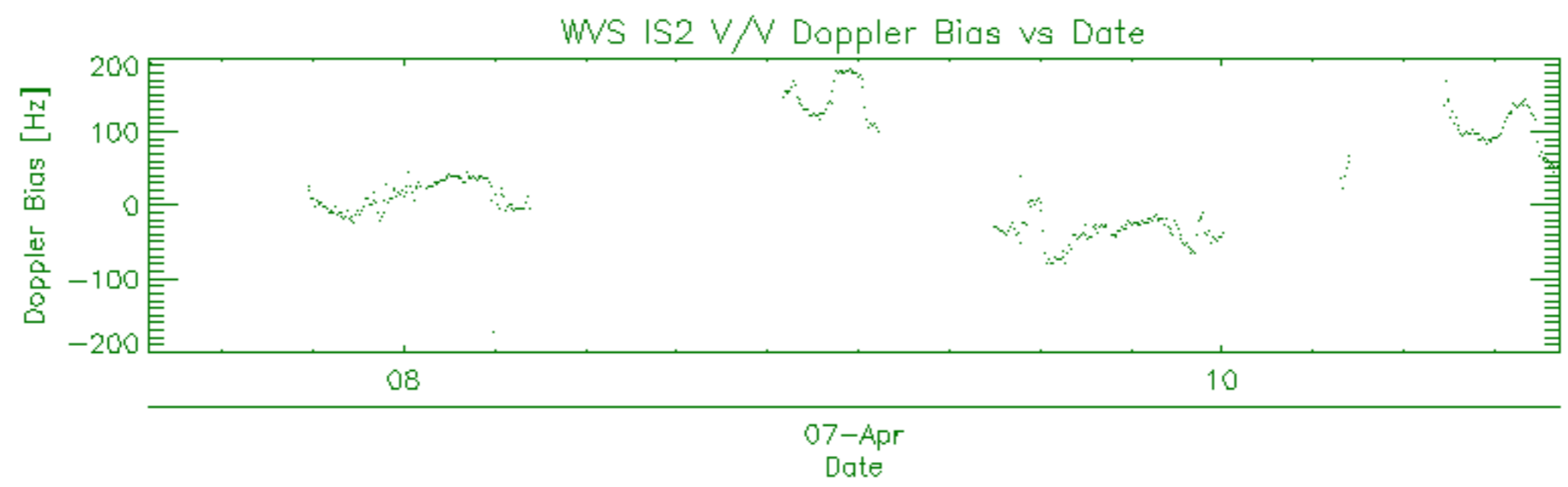
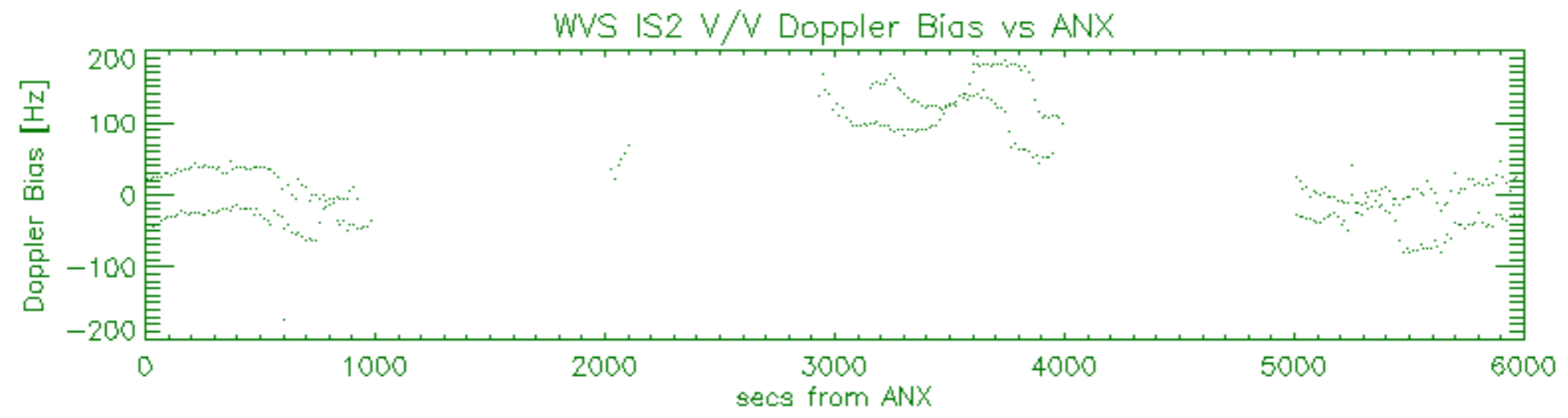
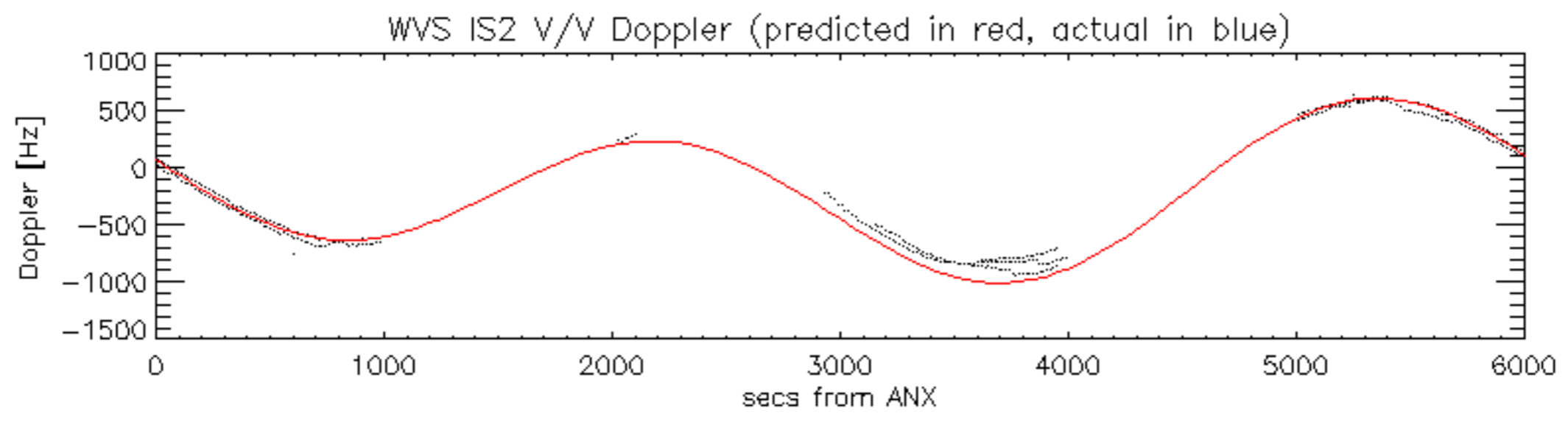


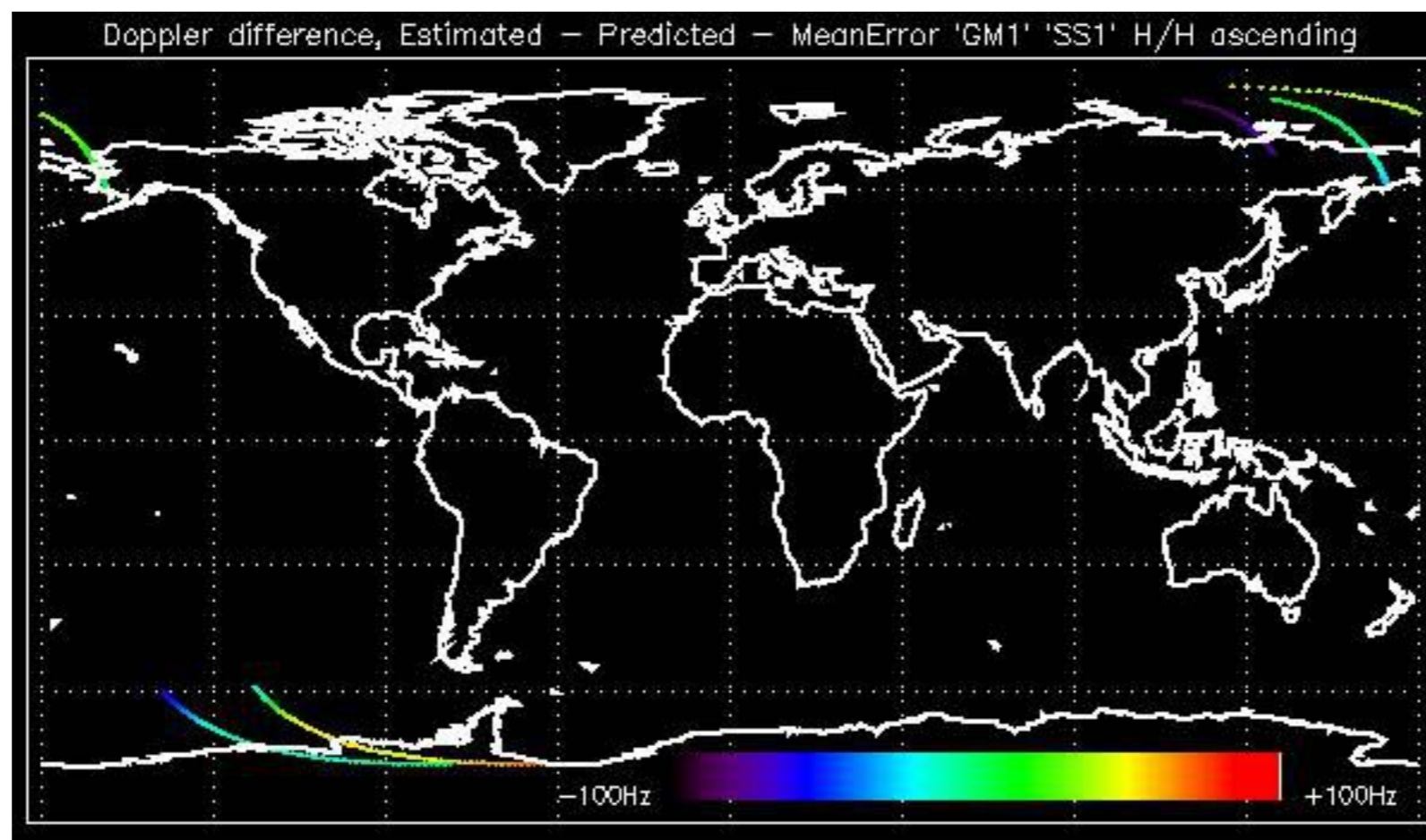


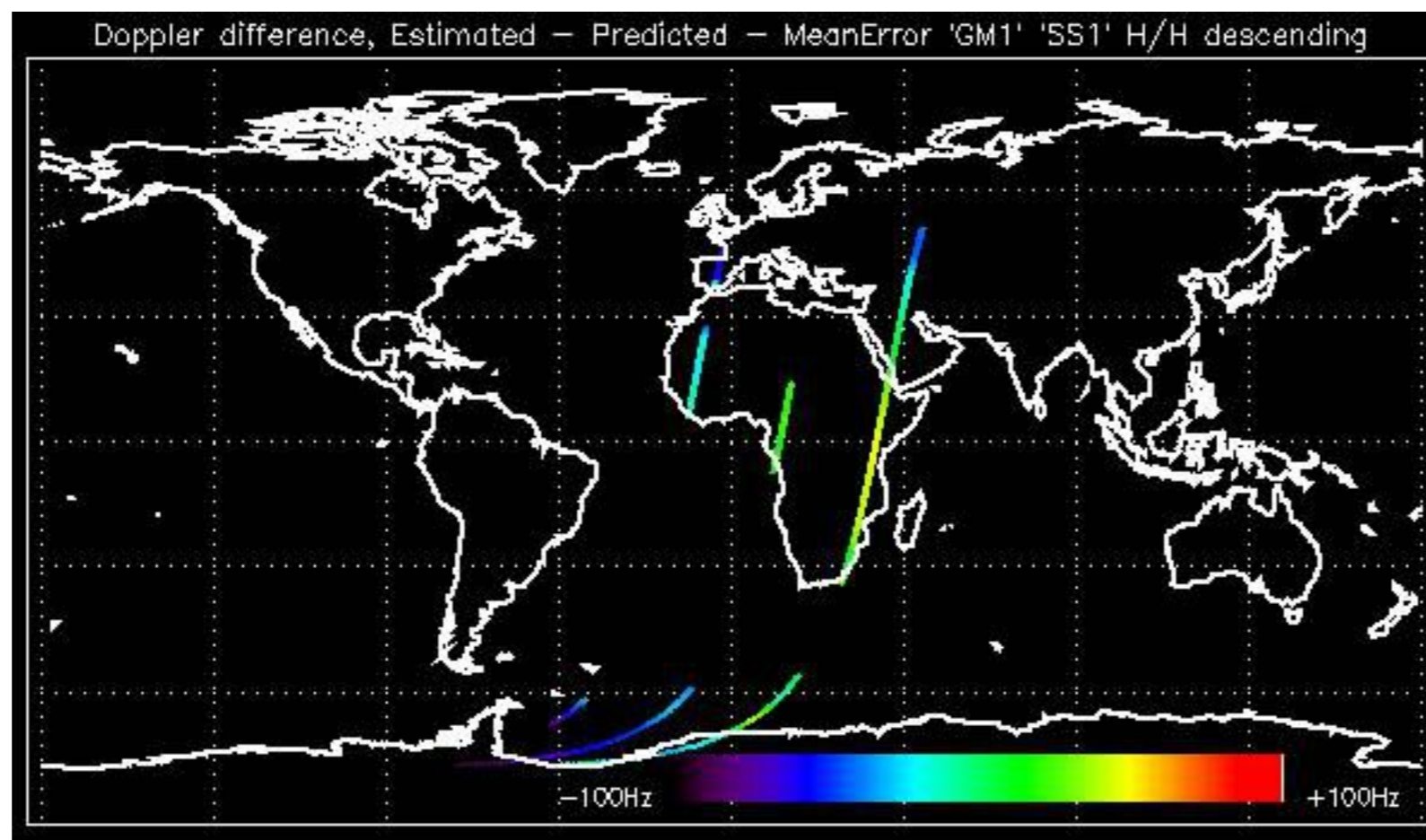


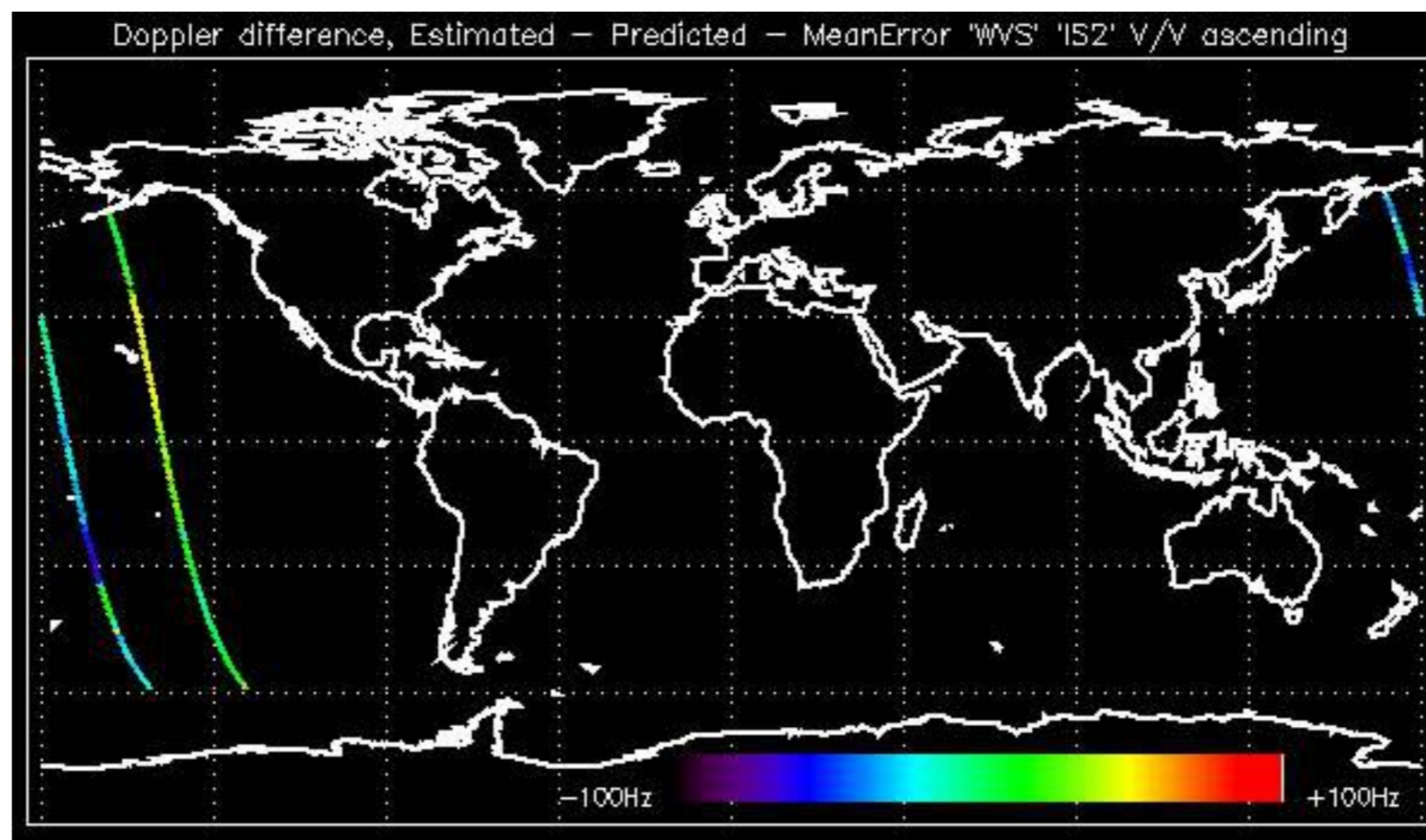


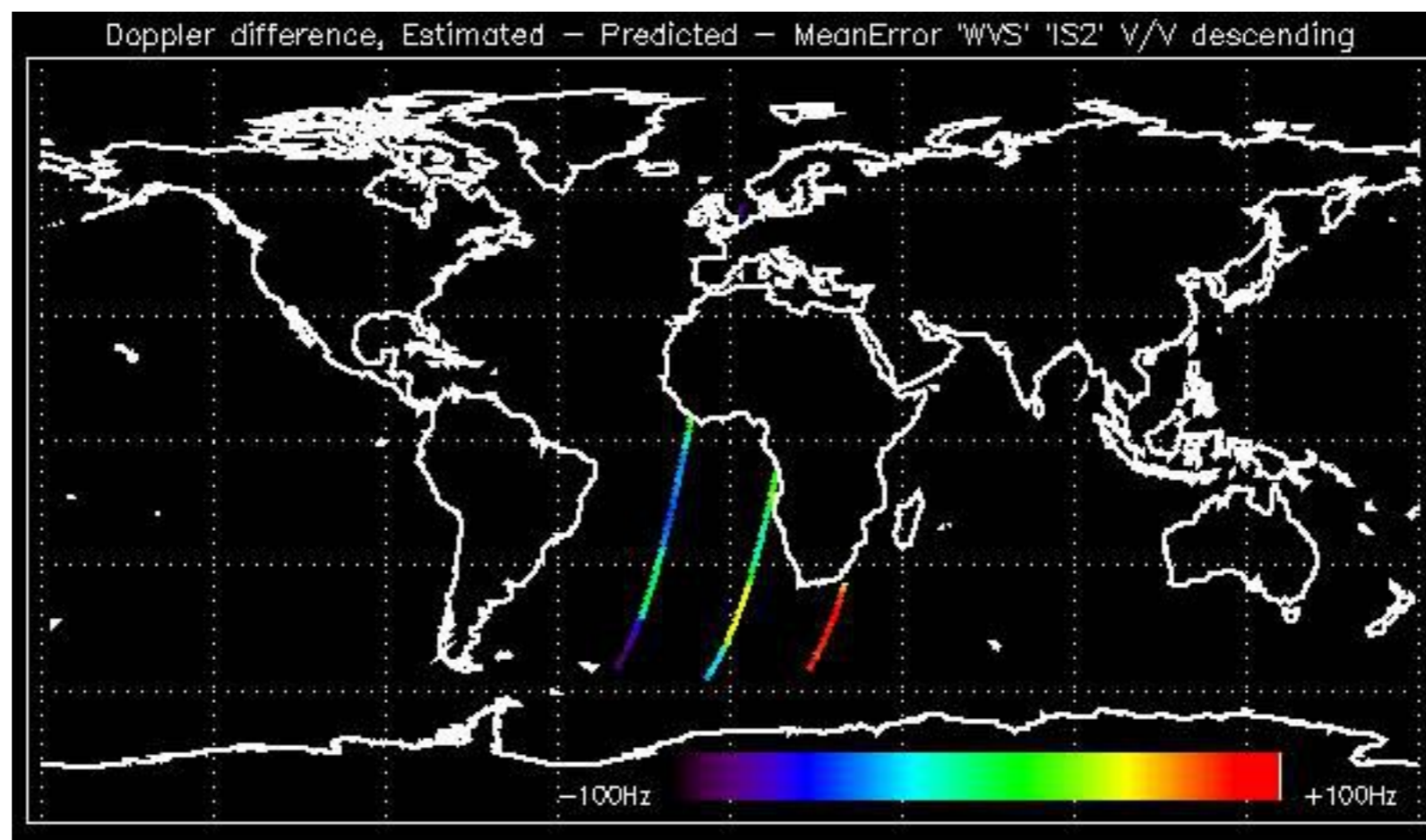


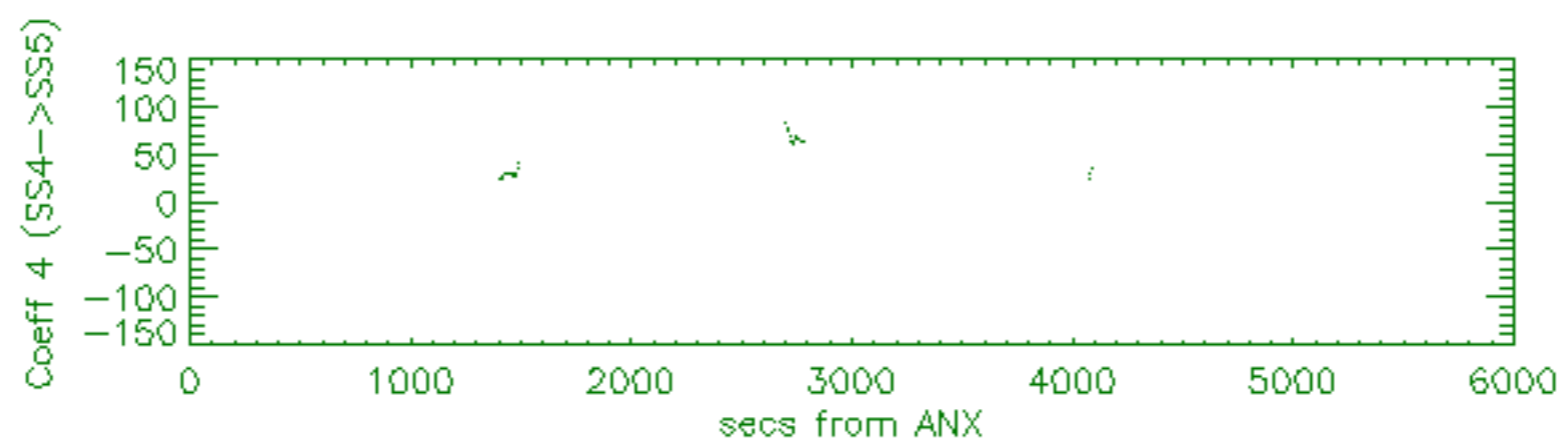
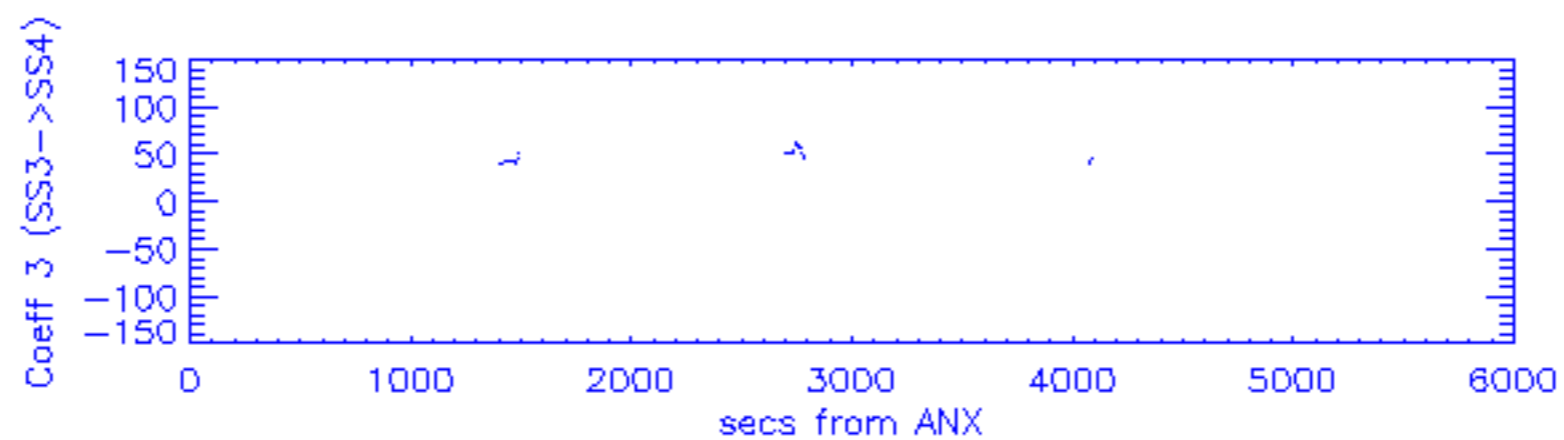
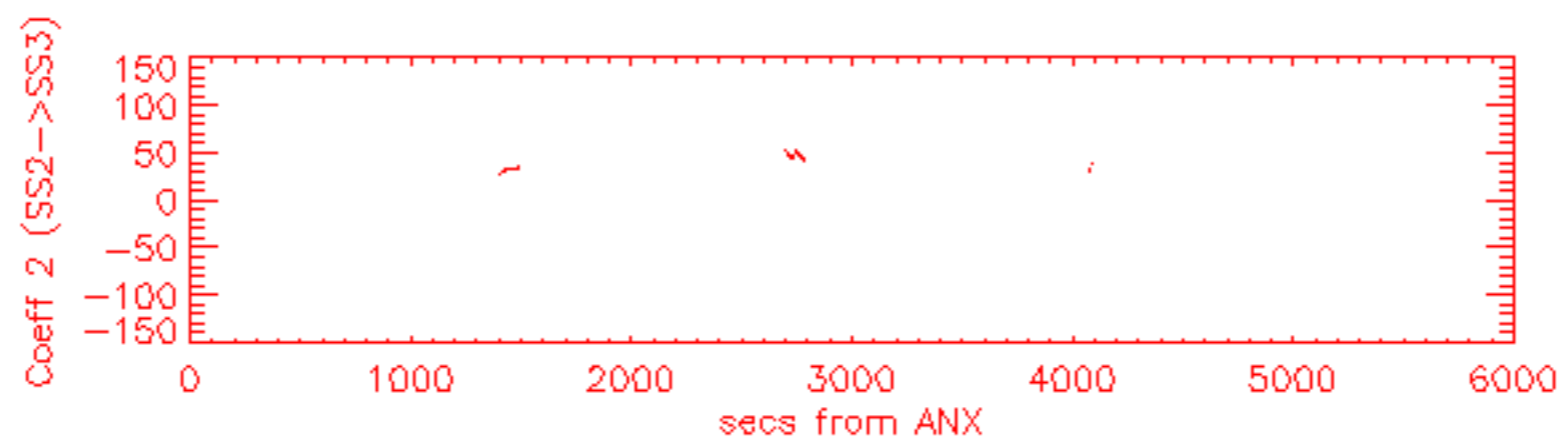
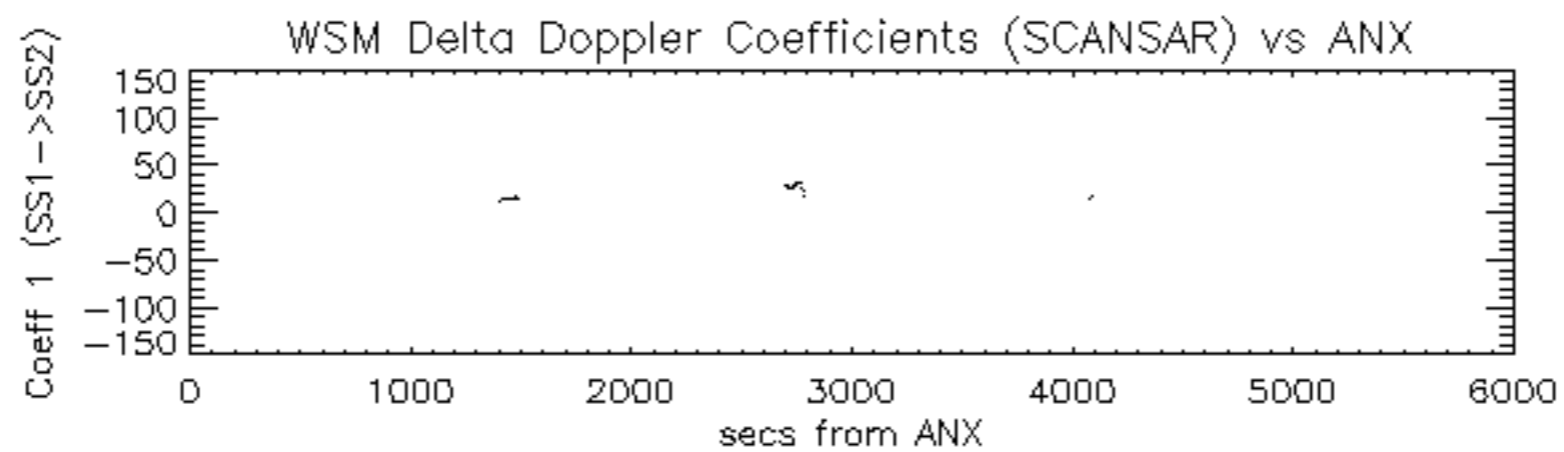


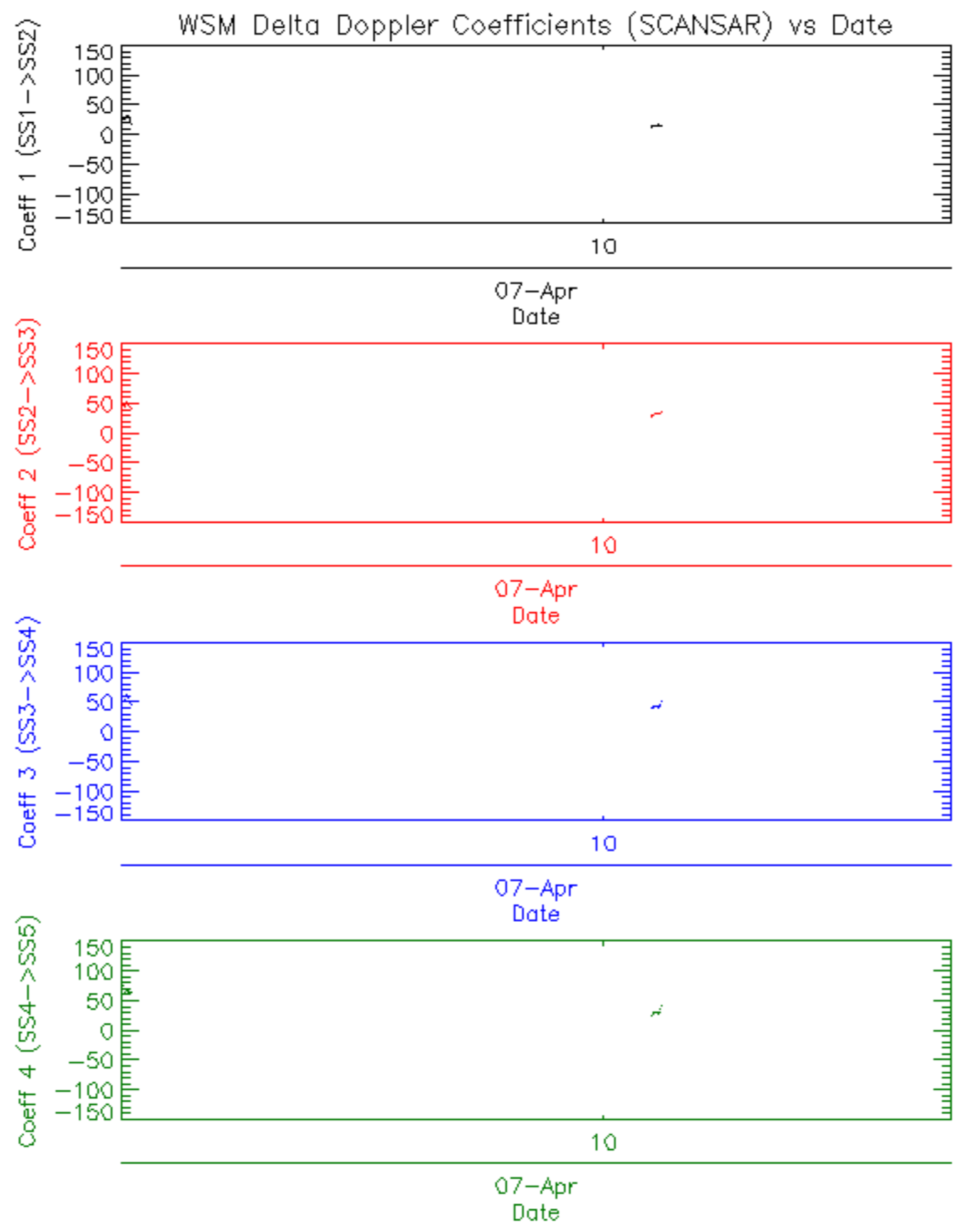


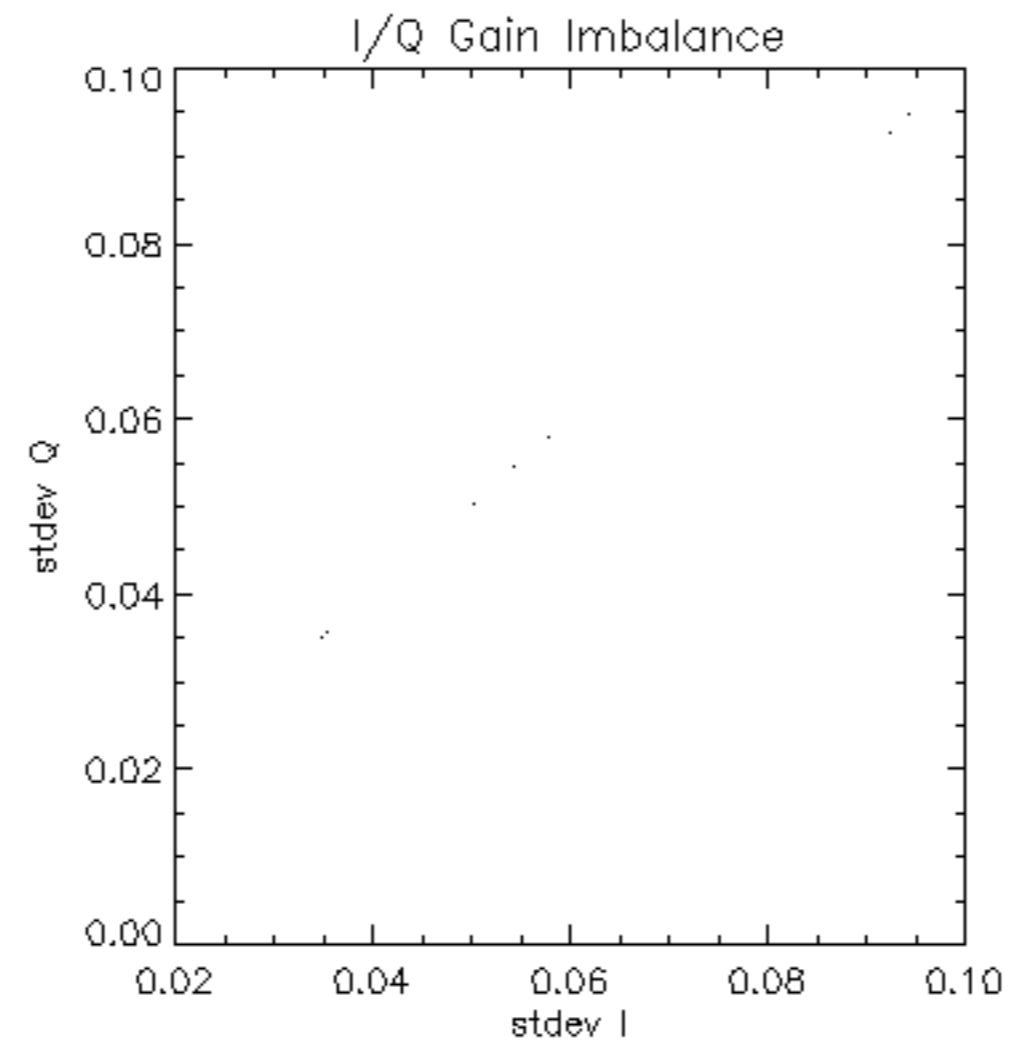


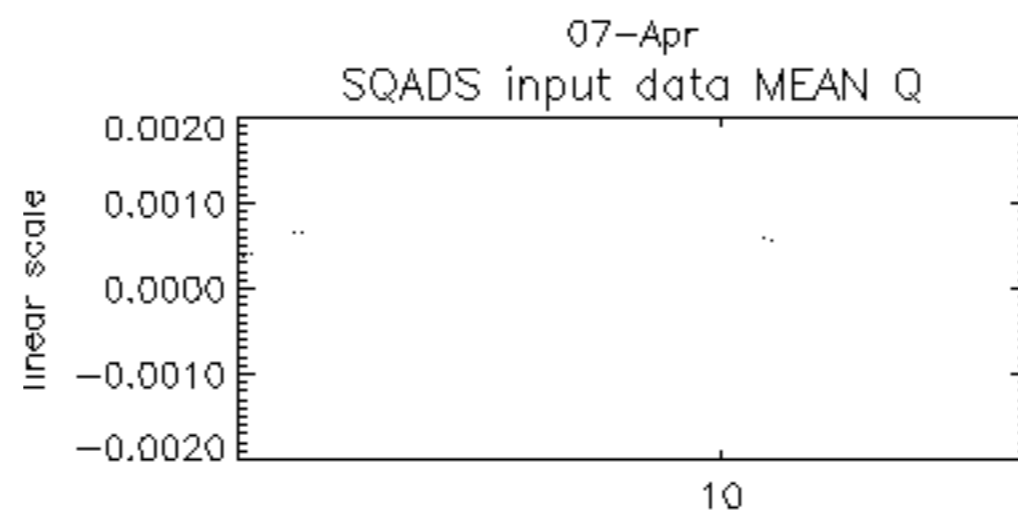
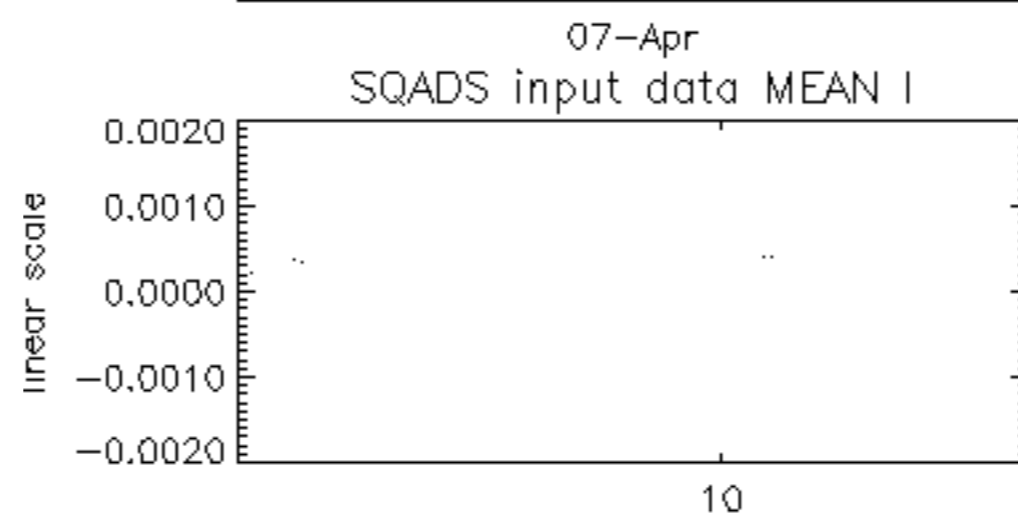
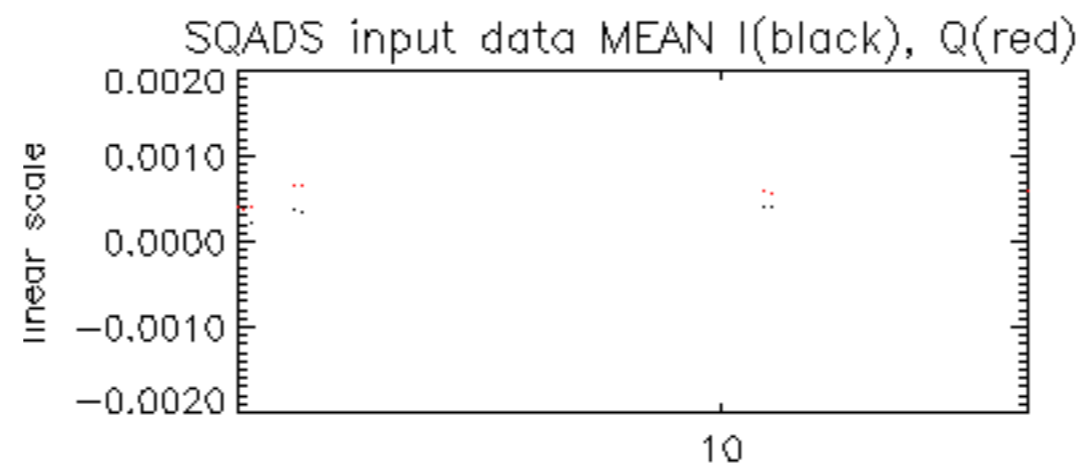




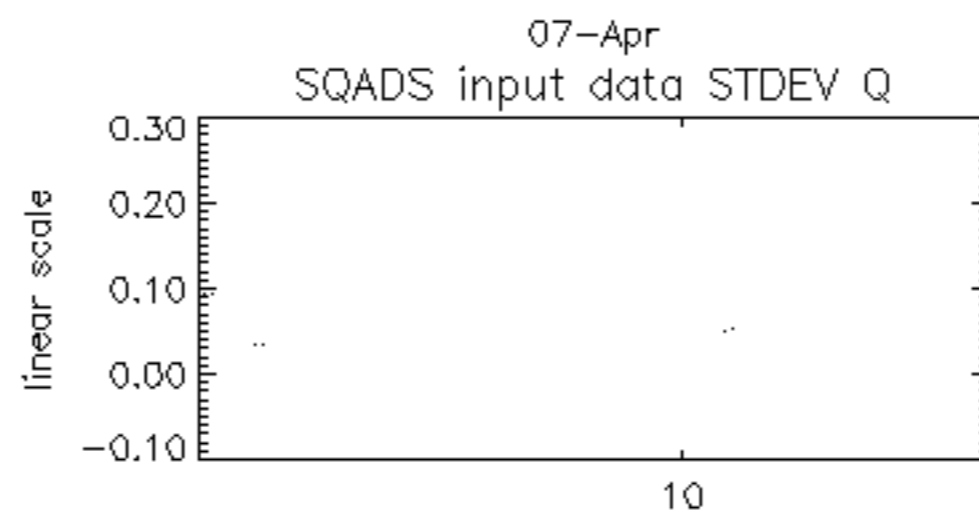
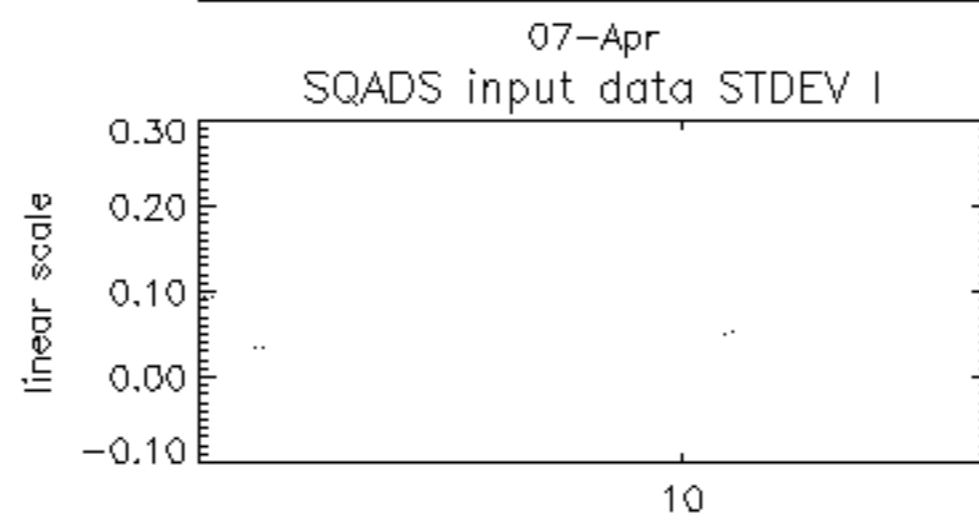
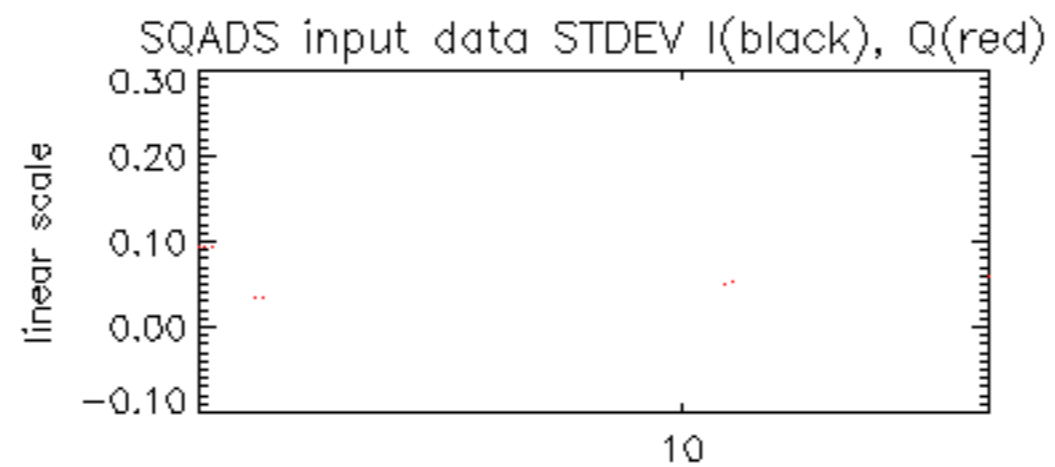








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