



Analysis from 19-APR-2011 00:00:00 to 19-APR-2011 23:59:59. Page generated on 20-APR-2011 07:31:30.
View log file: ASAR_Daily_Report_20110420_0731.log. For any anomalies please contact emma.griffiths@vegaspace.com, kajal.haria@vegaspace.com.

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

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1 - DATA SUMMARY

1.1 - Summary tables

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| WVS | | | | GM1 | | | | APM | | | | IMM | | | | WSM | | | | MS | | | |
|--------|------|-----|----|--------|------|-----|----|--------|------|-----|---|--------|------|-----|---|--------|------|-----|----|--------|---------------------|-----|---------|
| Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Beam | Pol | # | Center | Time | Pol | Modules |
| PDE | IS1 | V/V | 1 | PDE | WS | H/H | 33 | PDE | IS2 | H/H | 1 | PDE | IS2 | H/H | 2 | PDE | WS | H/H | 30 | PDK | 2011-04-19 08:26:40 | H | 320 |
| PDE | IS2 | V/V | 28 | PDK | WS | H/H | 28 | PDE | IS4 | H/H | 1 | PDE | IS2 | V/V | 2 | PDE | WS | V/V | 9 | PDK | 2011-04-19 10:06:54 | V | 320 |
| PDK | IS2 | V/V | 21 | | | | | PDE | IS4 | V/H | 1 | PDE | IS3 | H/H | 1 | PDK | WS | H/H | 8 | | | | |
| | | | | | | | | PDE | IS4 | V/V | 1 | PDE | IS6 | H/H | 5 | | | | | | | | |
| | | | | | | | | PDE | IS5 | H/H | 1 | PDE | IS6 | V/V | 1 | | | | | | | | |
| | | | | | | | | PDE | IS6 | H/H | 1 | PDK | IS3 | V/V | 1 | | | | | | | | |

1.2 - Lists of products used

[BACK TO MENU]

[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

[BACK TO MENU]

No IECF ADFs list available

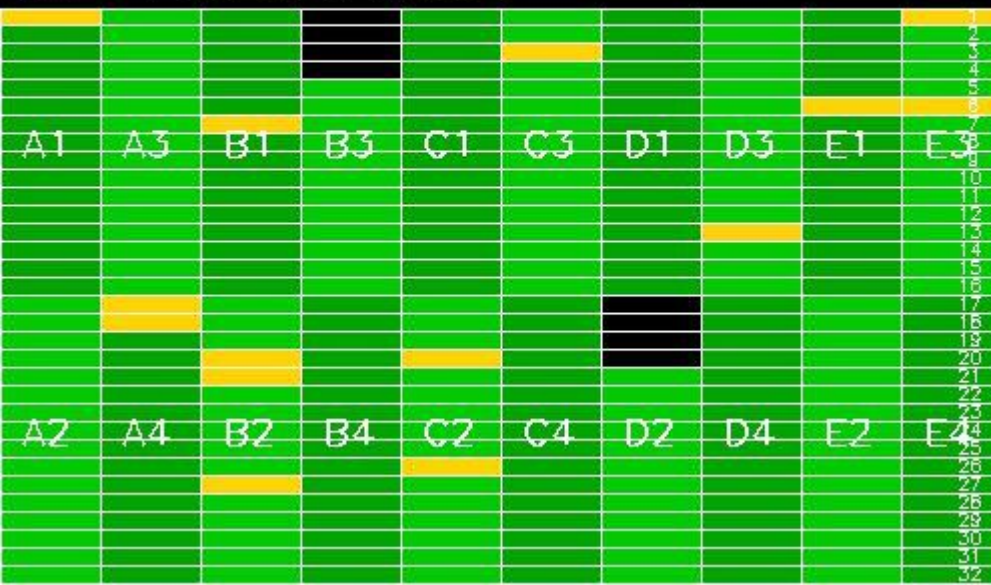
2.2 - Products with wrong ADFs

[BACK TO MENU]

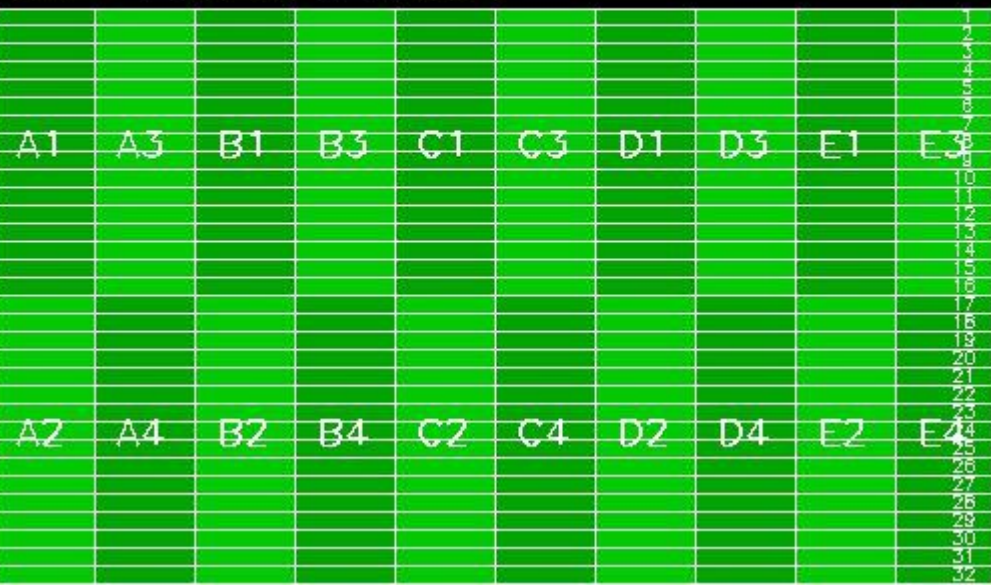
3 - MODULE STEPPING PRODUCTS ANALYSIS

| 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 : 2011-04-19 10:06:54 V



Reference: 2011-04-18 10:43:38 V RxGain
 Test : 2011-04-19 10:06:54 V

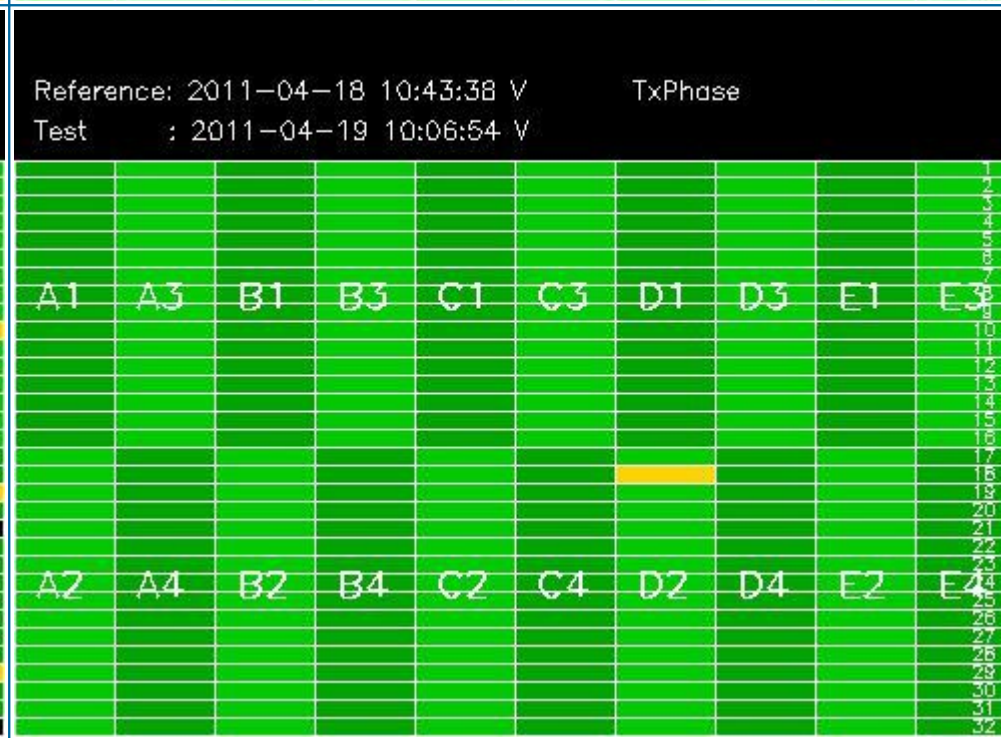
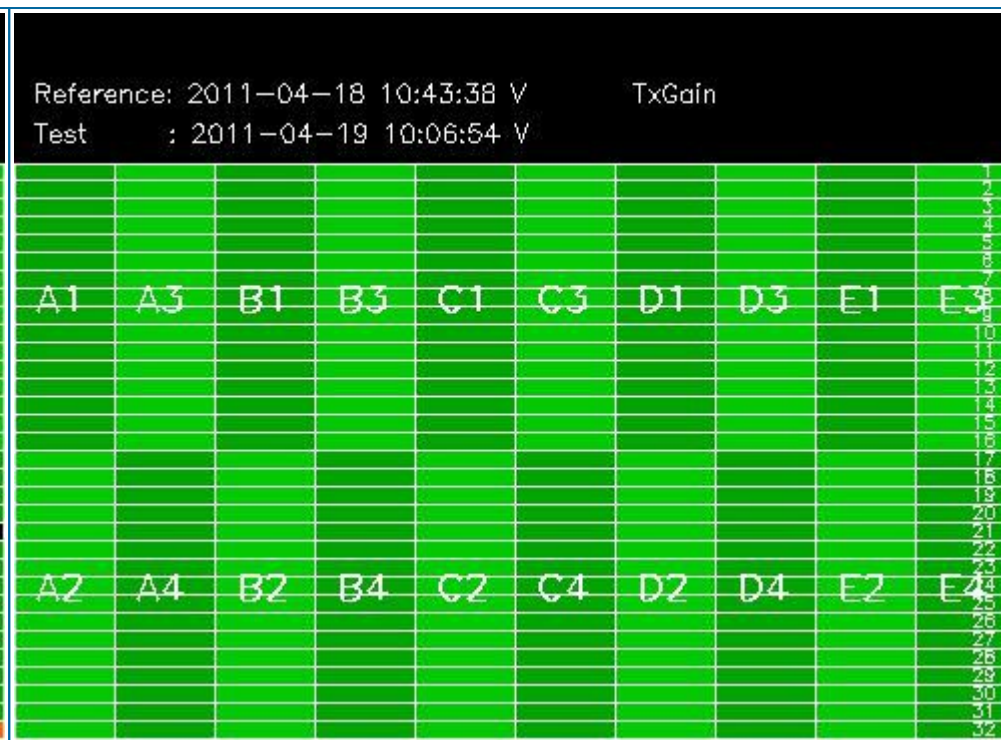
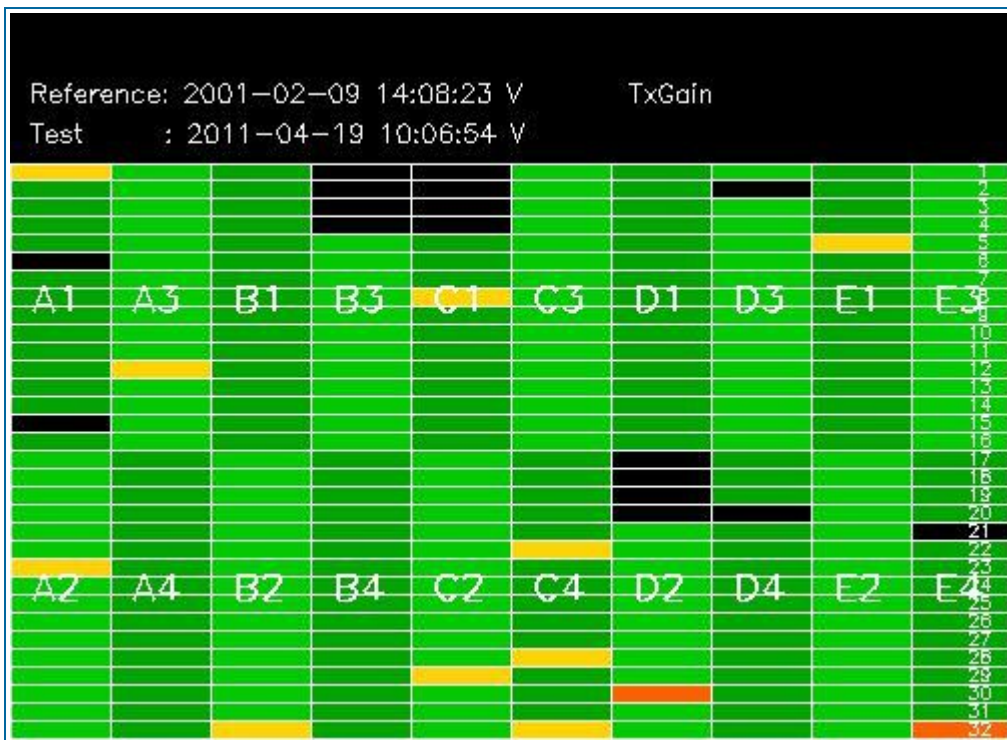


Reference: 2001-02-09 14:08:23 V RxPhase
 Test : 2011-04-19 10:06:54 V



Reference: 2011-04-18 10:43:38 V RxPhase
 Test : 2011-04-19 10:06:54 V





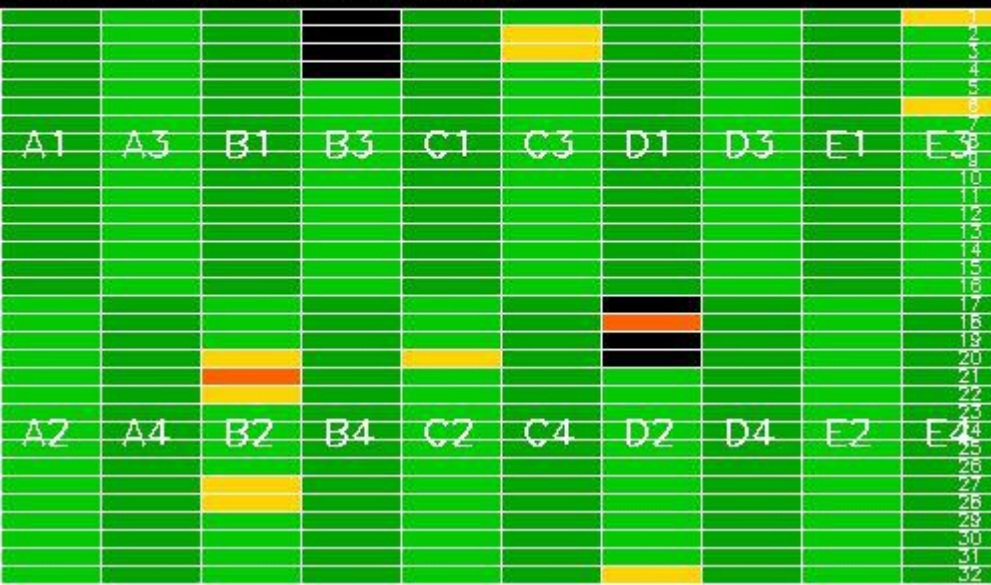
3.2 - H/H polarisation

[[BACK TO MENU](#)]

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

Reference: 2001-02-09 13:50:42 H RxGain

Test : 2011-04-19 08:26:40 H



Reference: 2011-04-18 09:03:24 H RxGain

Test : 2011-04-19 08:26:40 H



Reference: 2001-02-09 13:50:42 H RxPhase

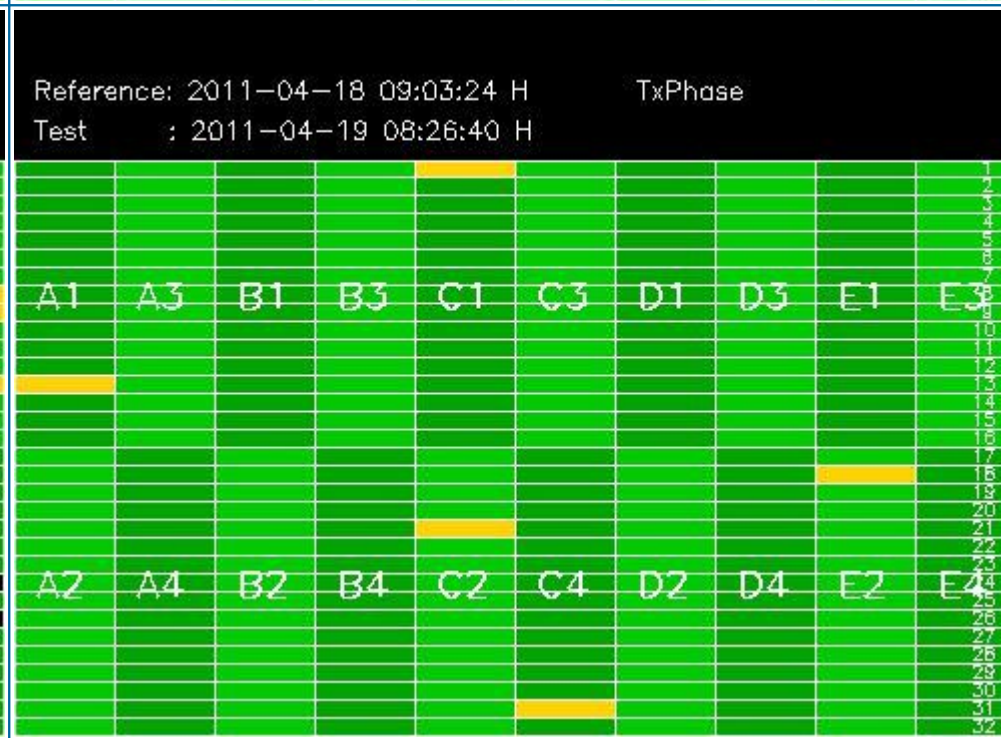
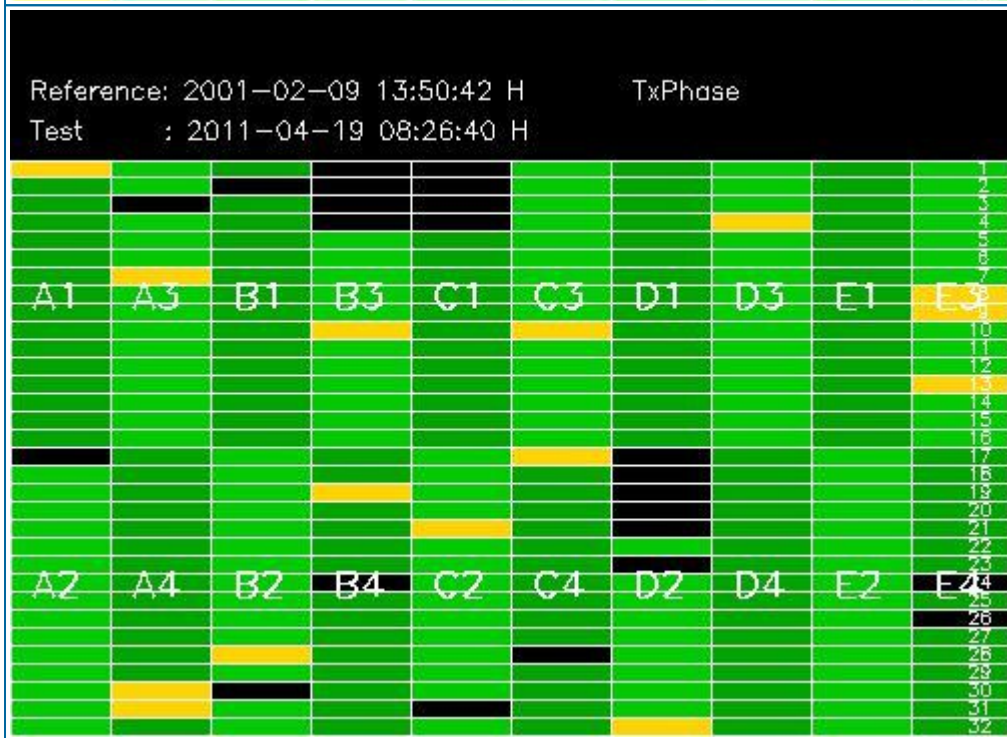
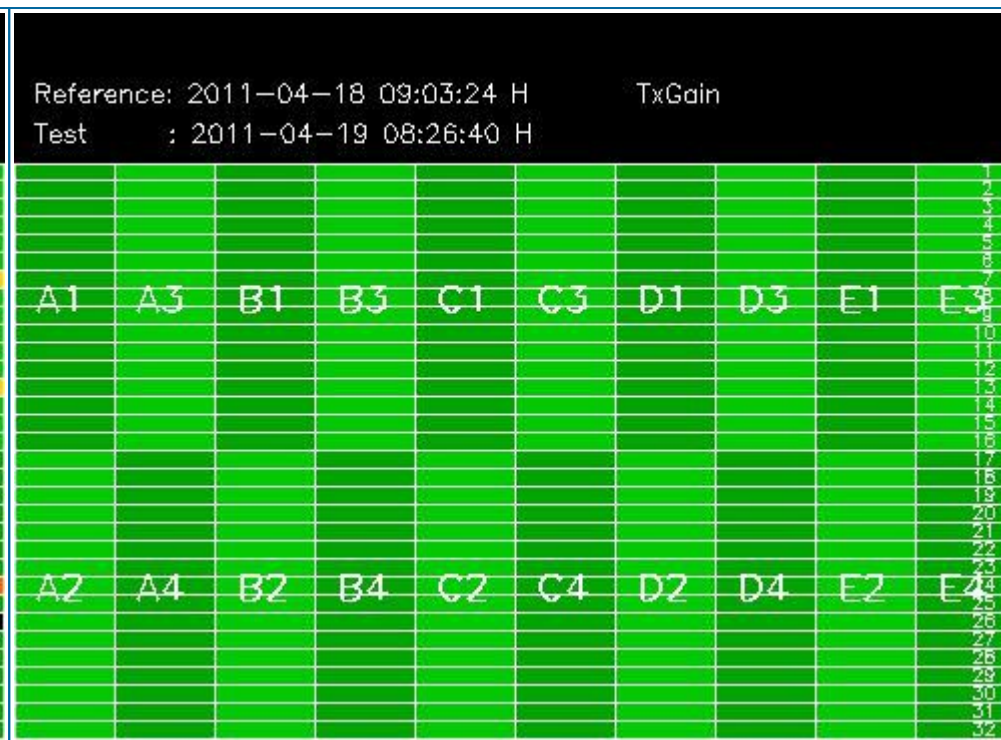
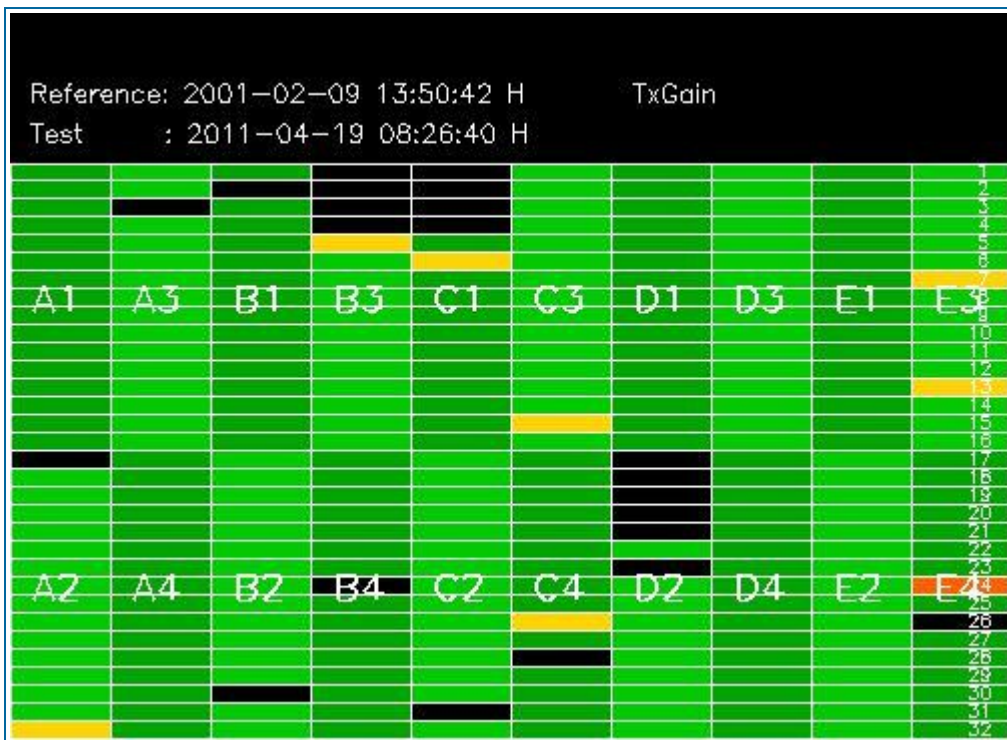
Test : 2011-04-19 08:26:40 H



Reference: 2011-04-18 09:03:24 H RxPhase

Test : 2011-04-19 08:26:40 H





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

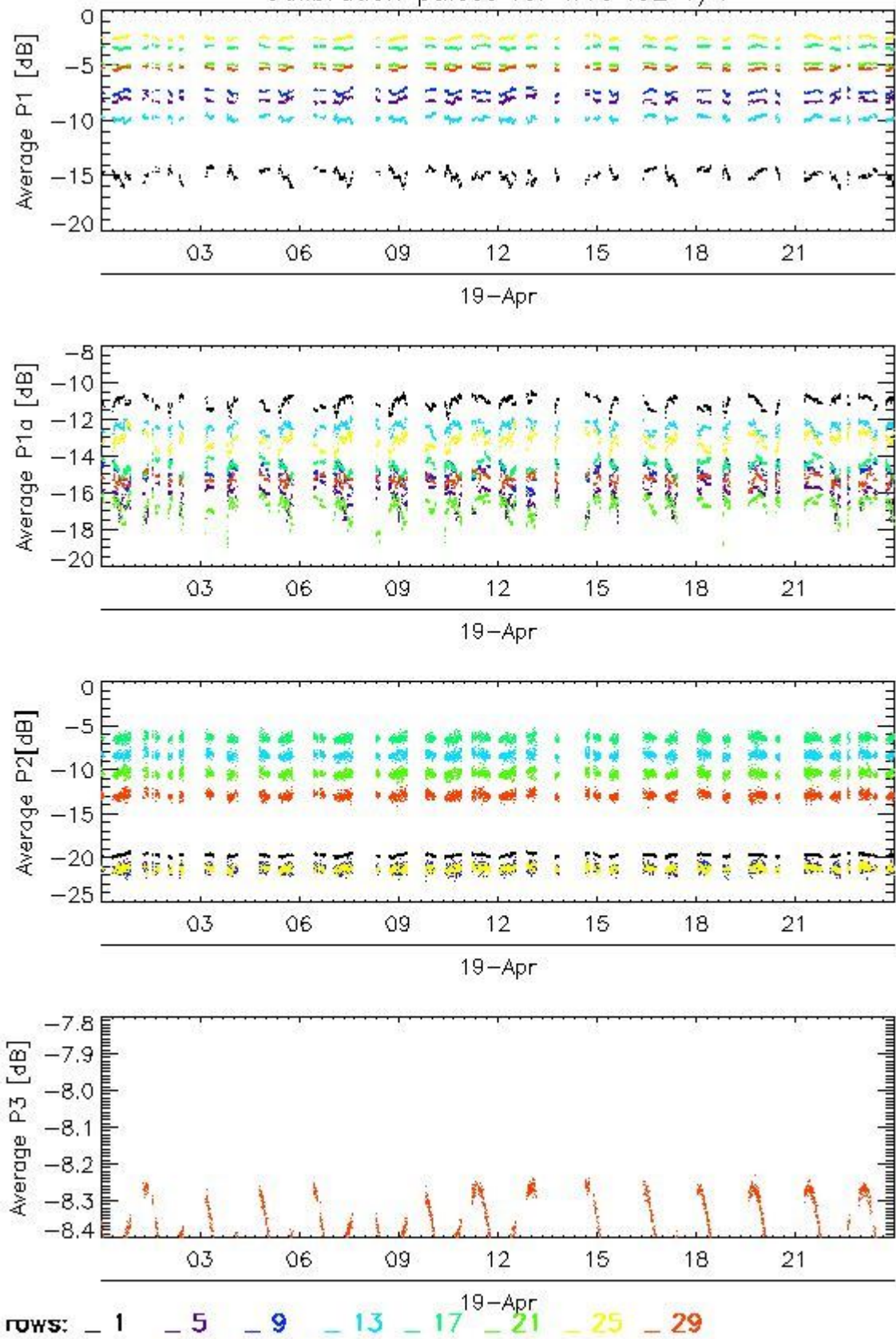
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

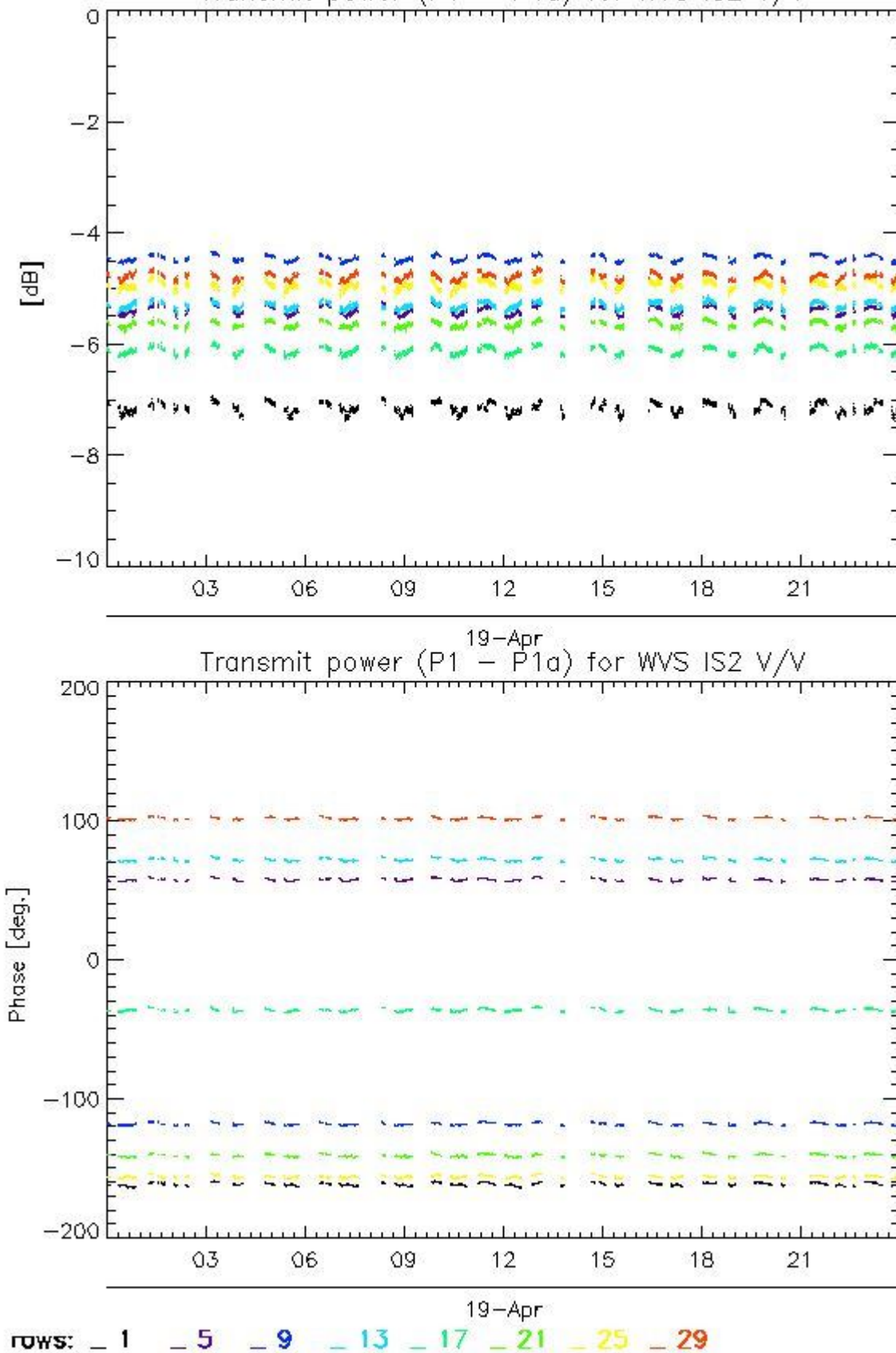
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



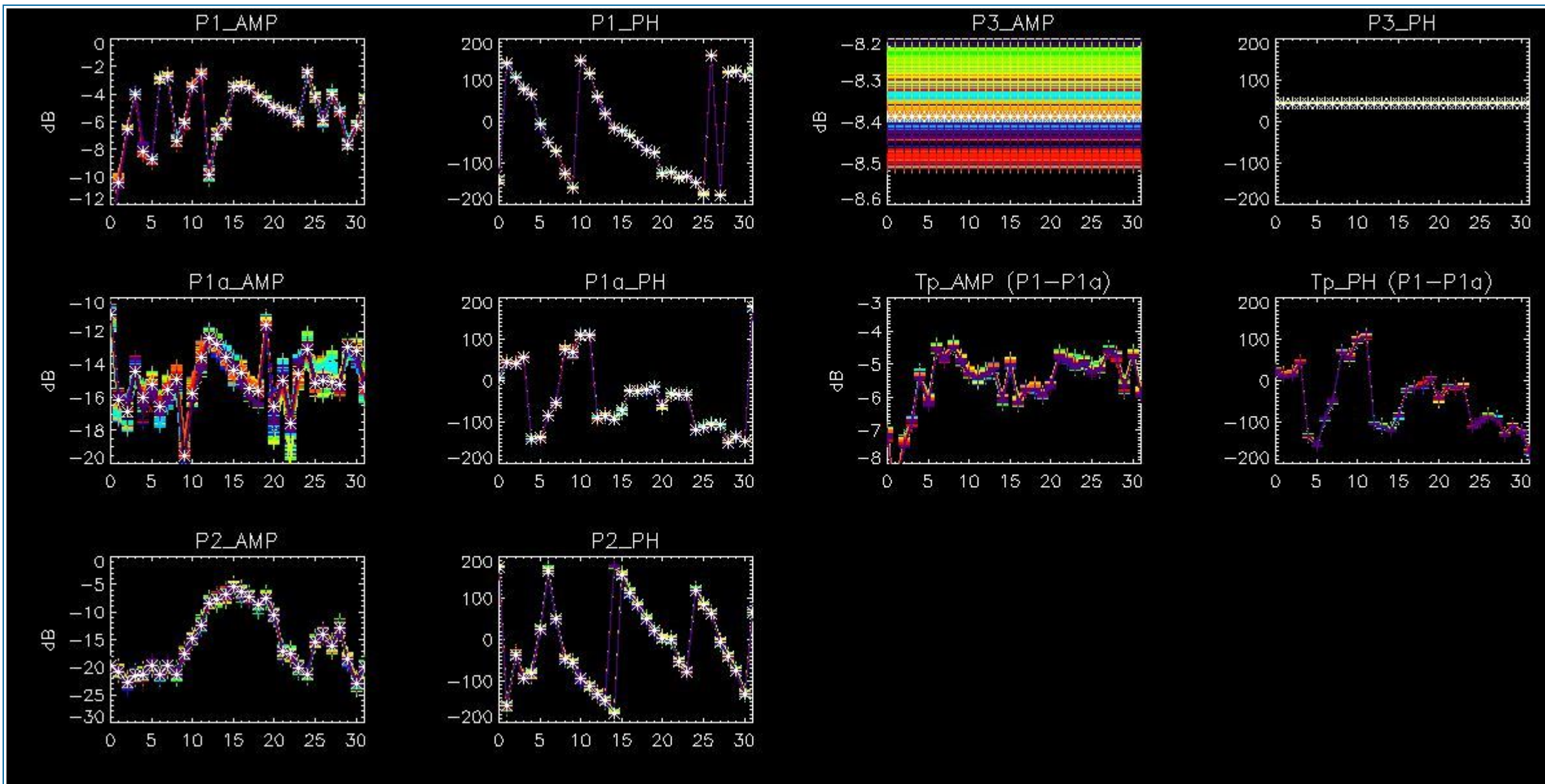
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]





4.2 - Analysis for GM1 SS3 H/H

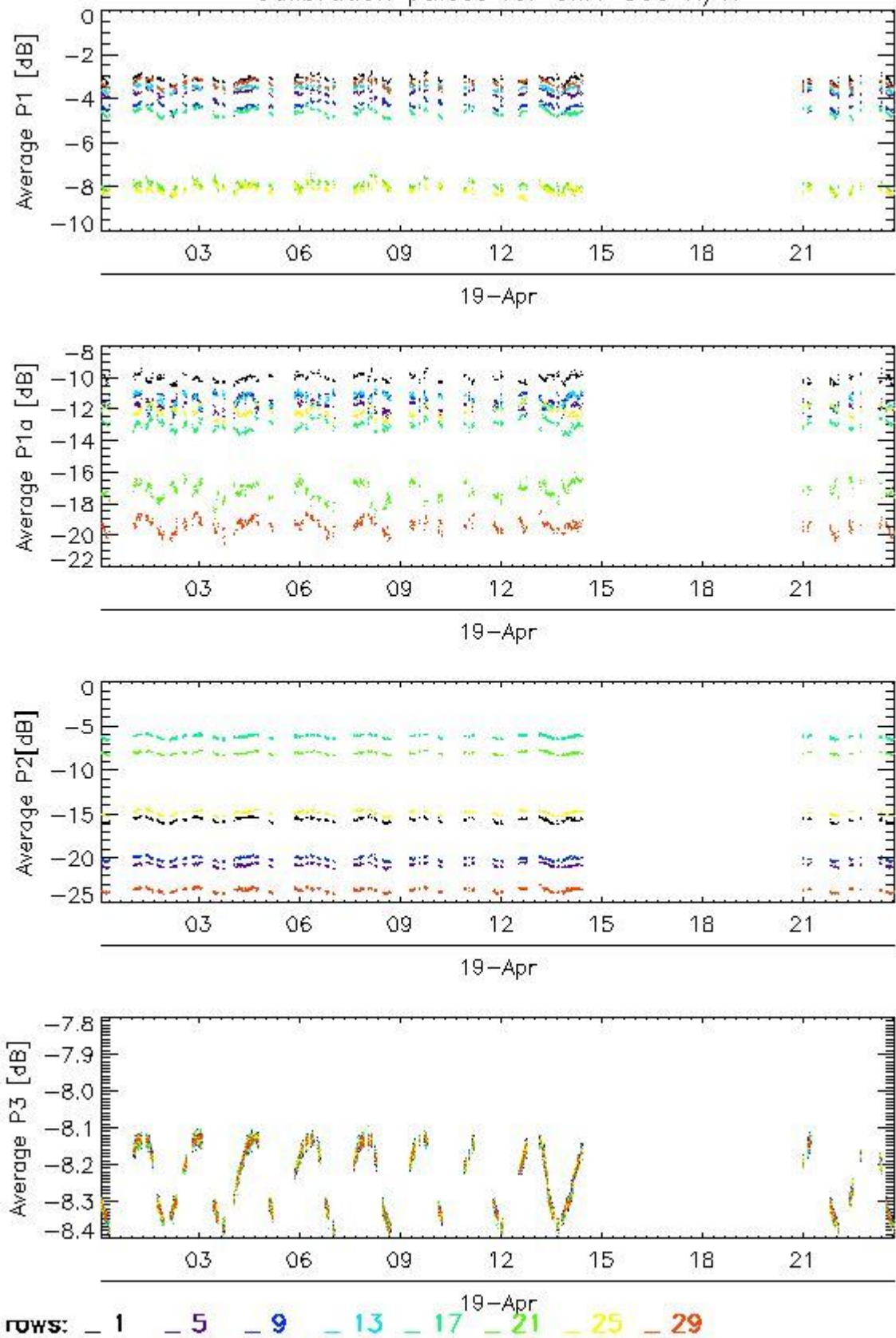
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

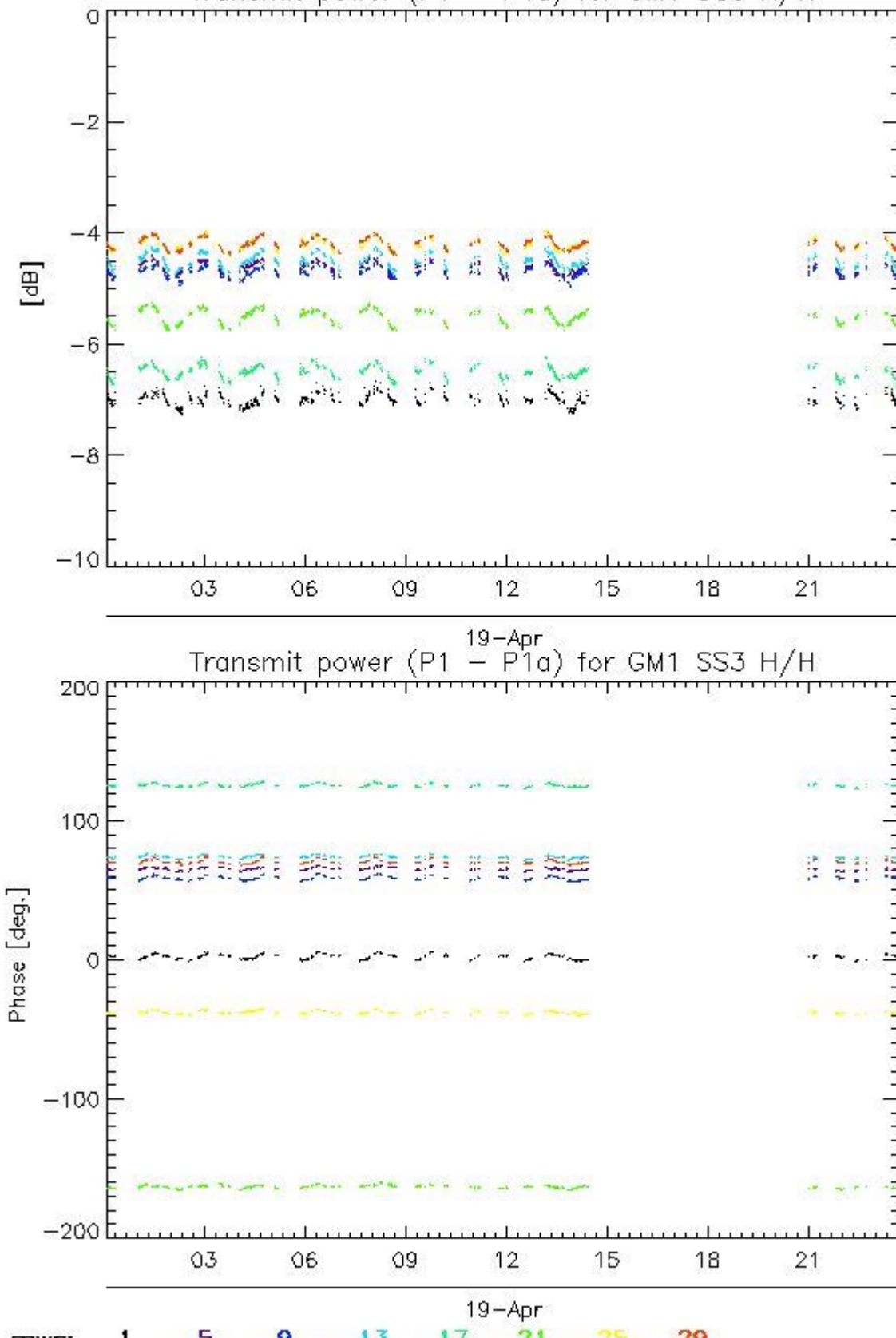
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



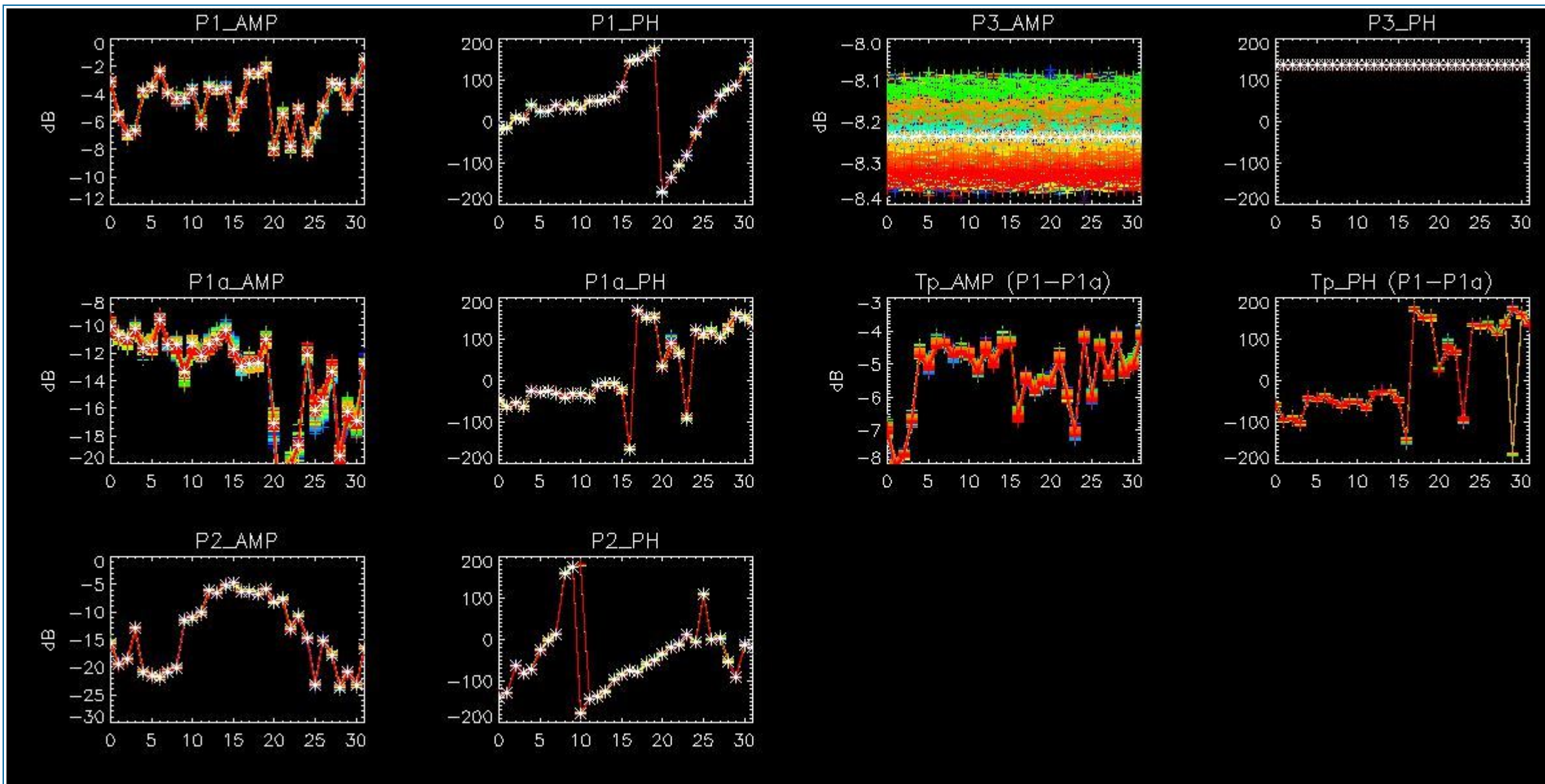
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[BACK TO MENU]





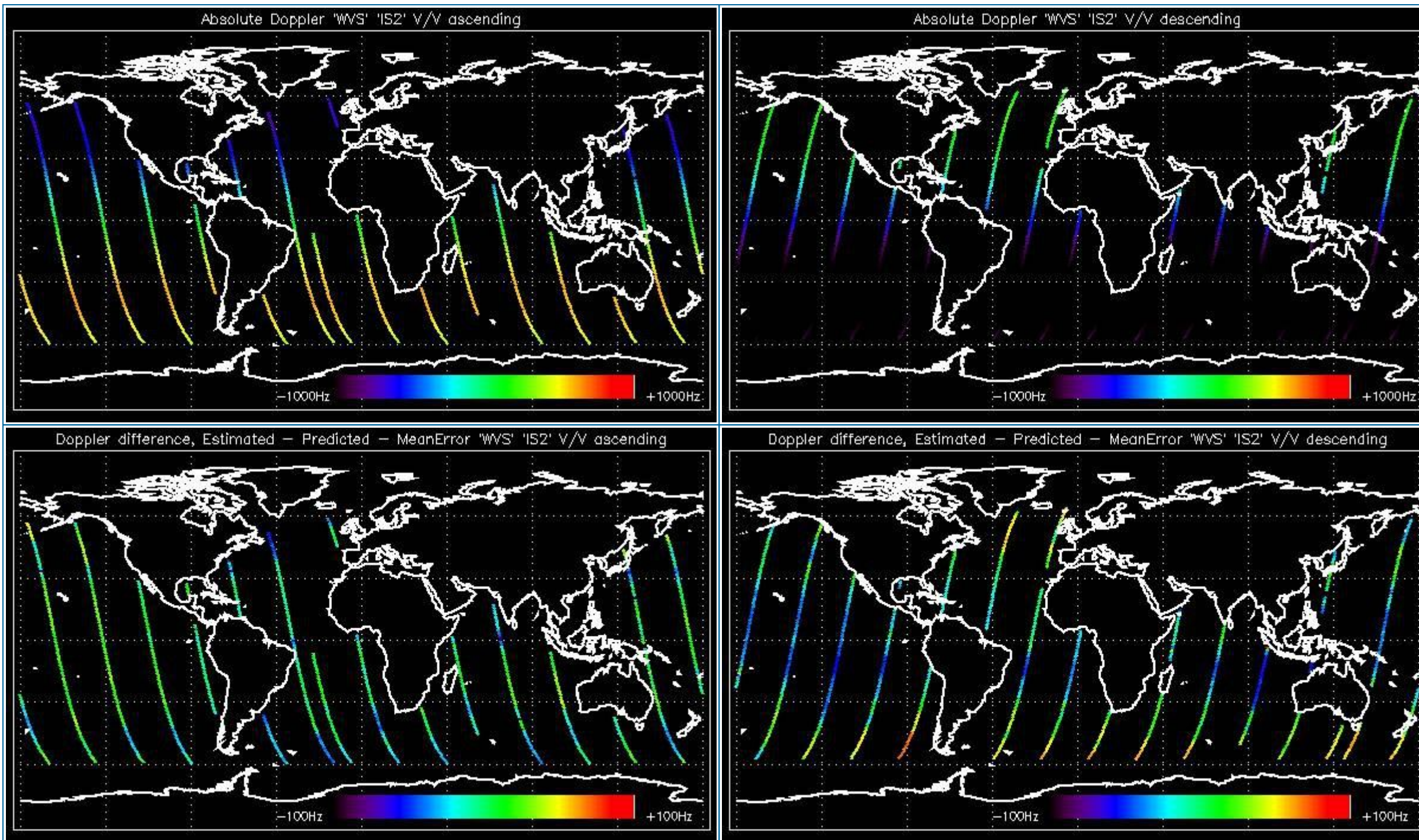
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

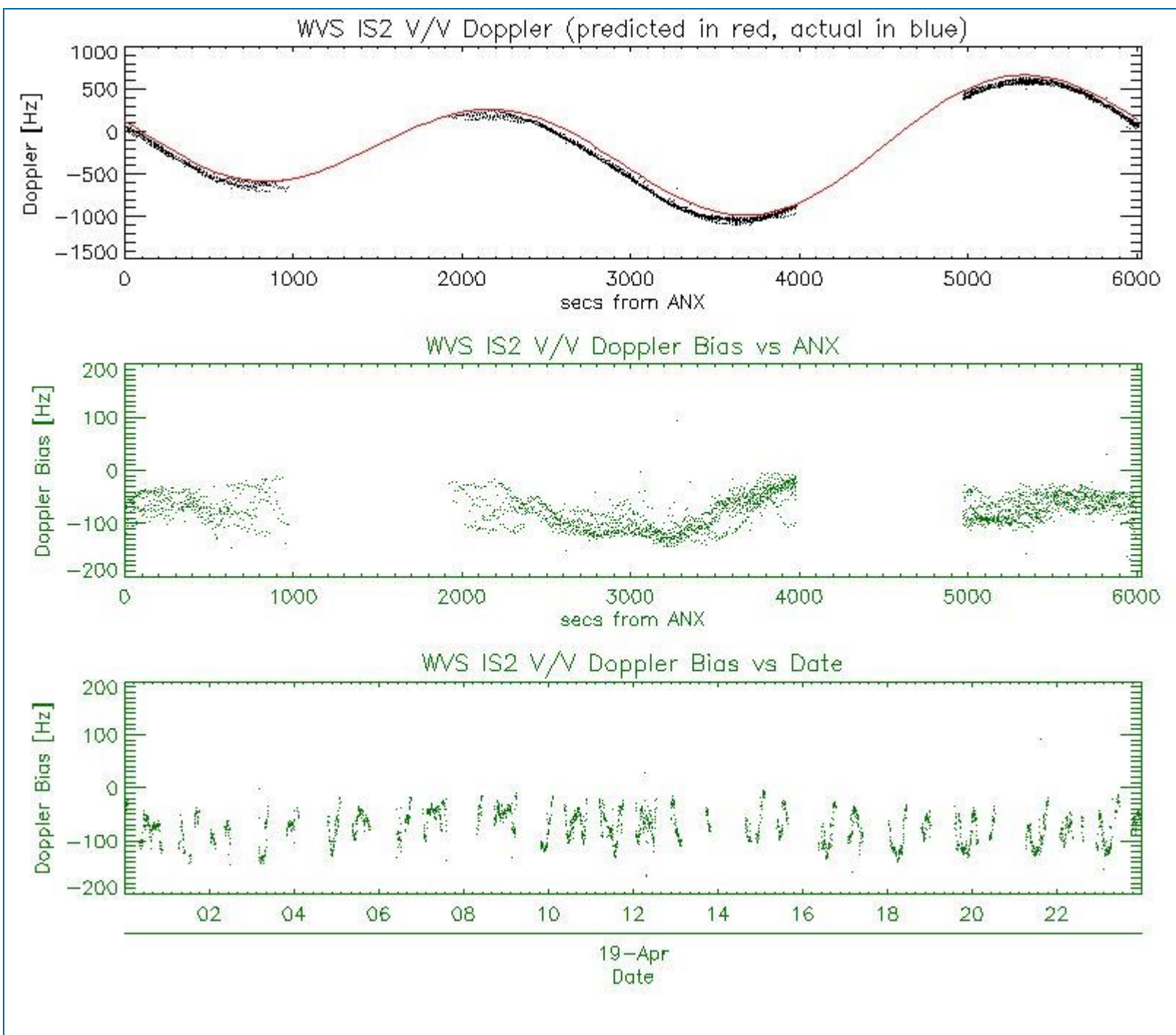




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]



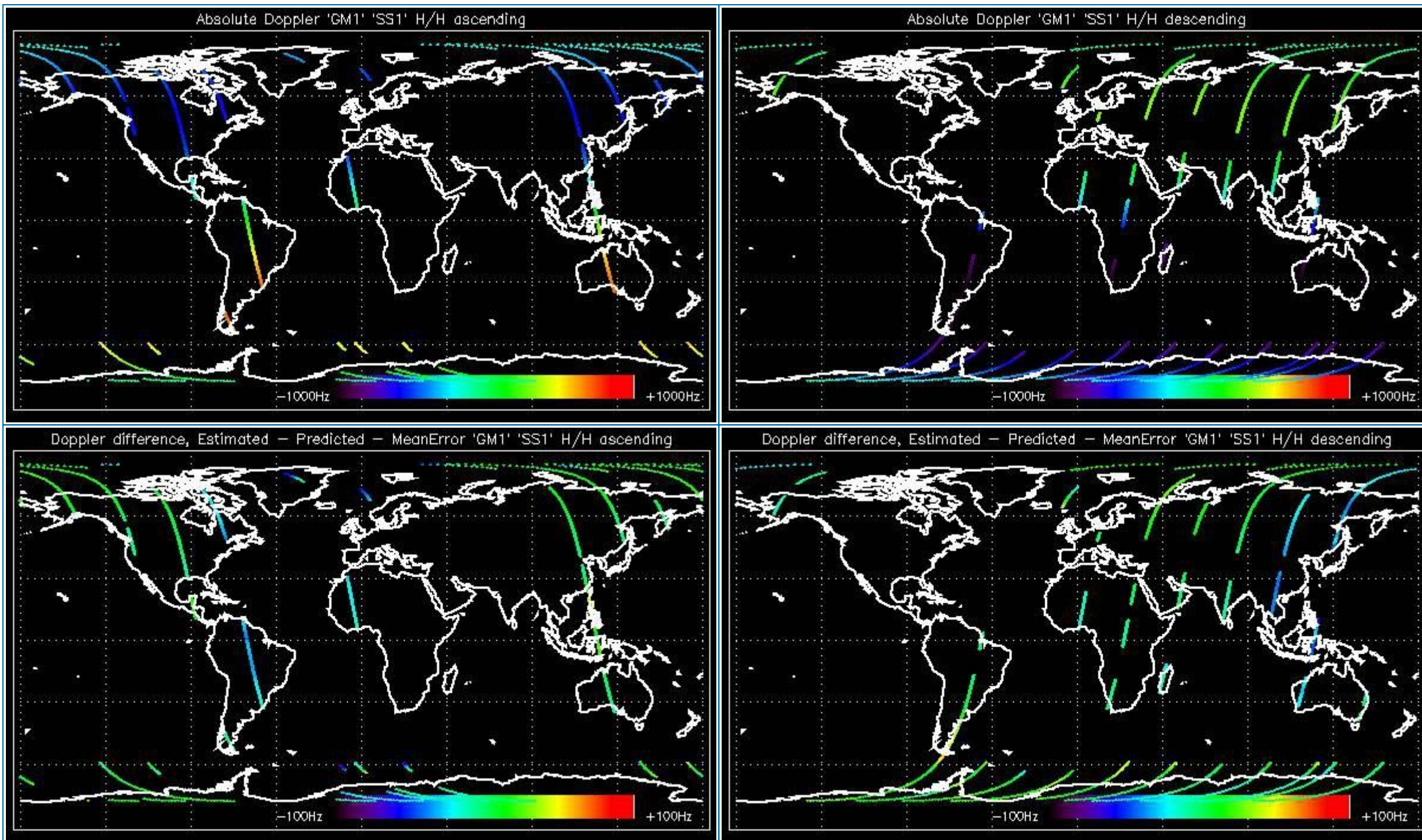


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

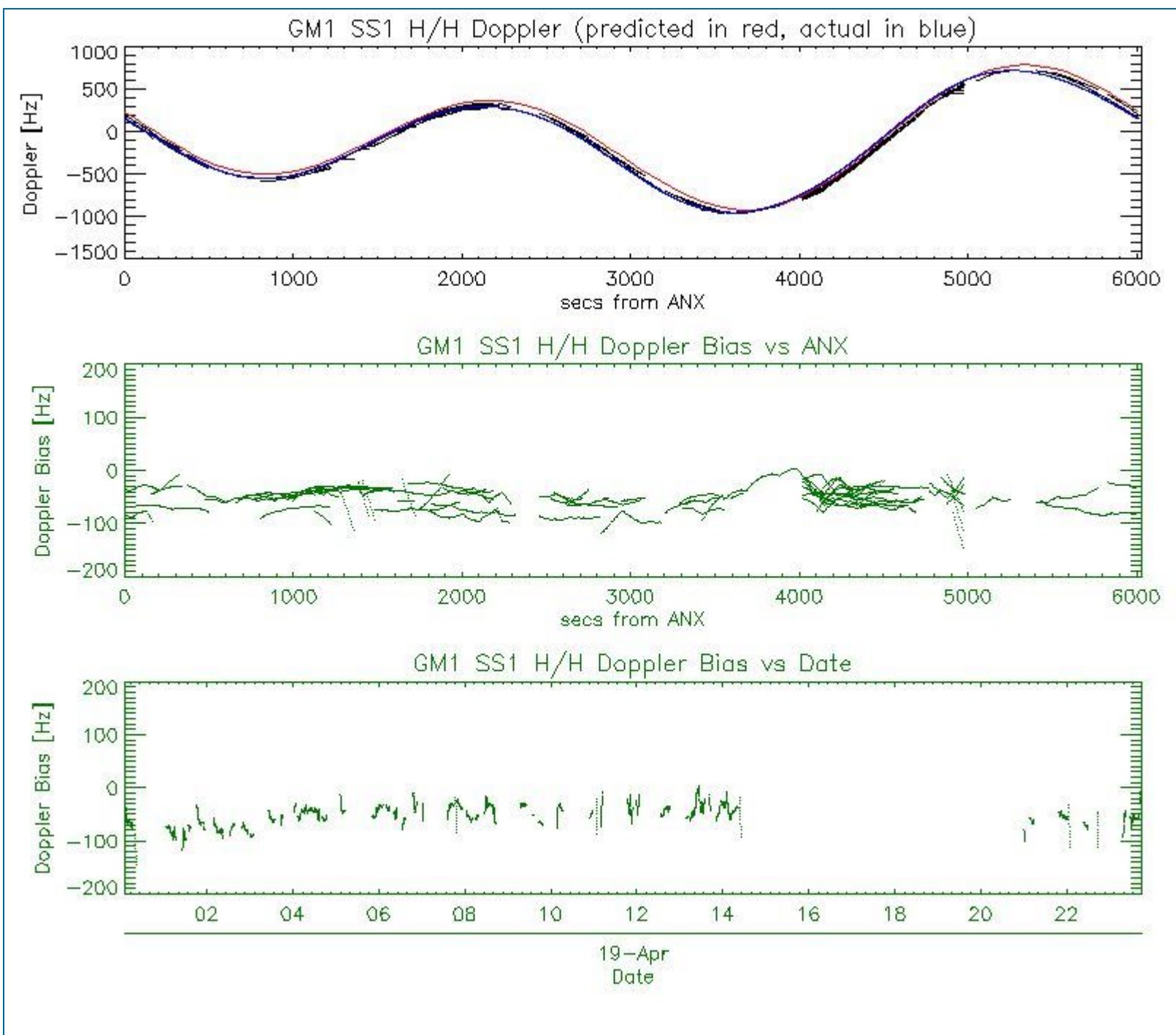




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

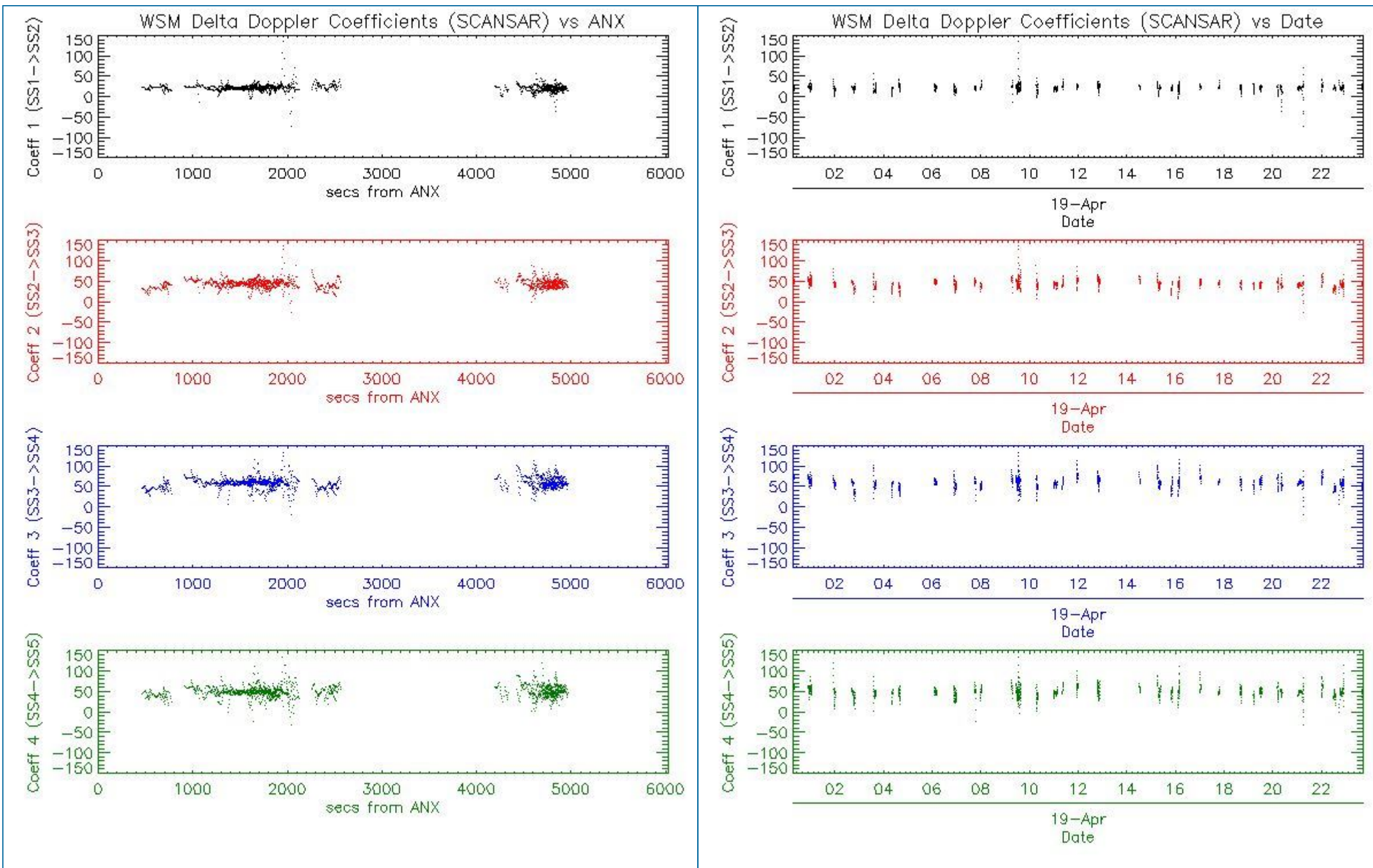




5.3 - Doppler JUMPS Analysis for WSM

[[BACK TO MENU](#)]





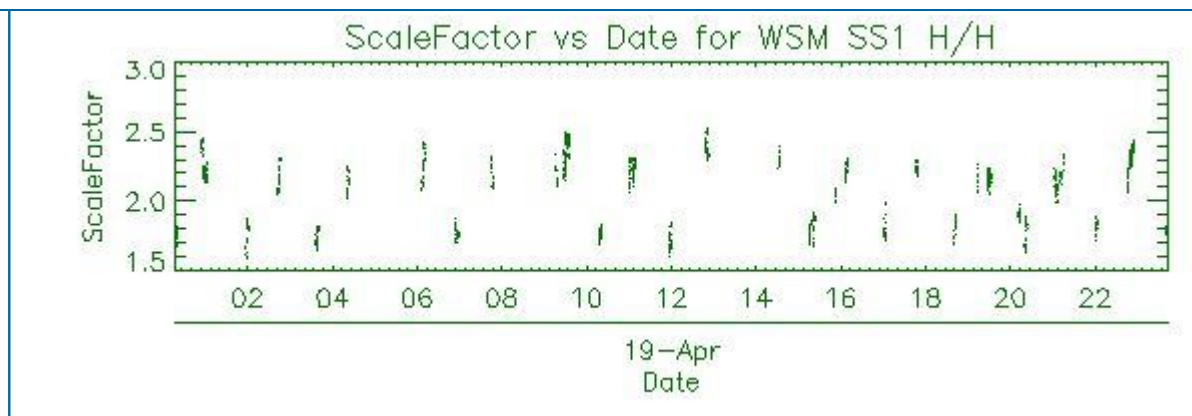
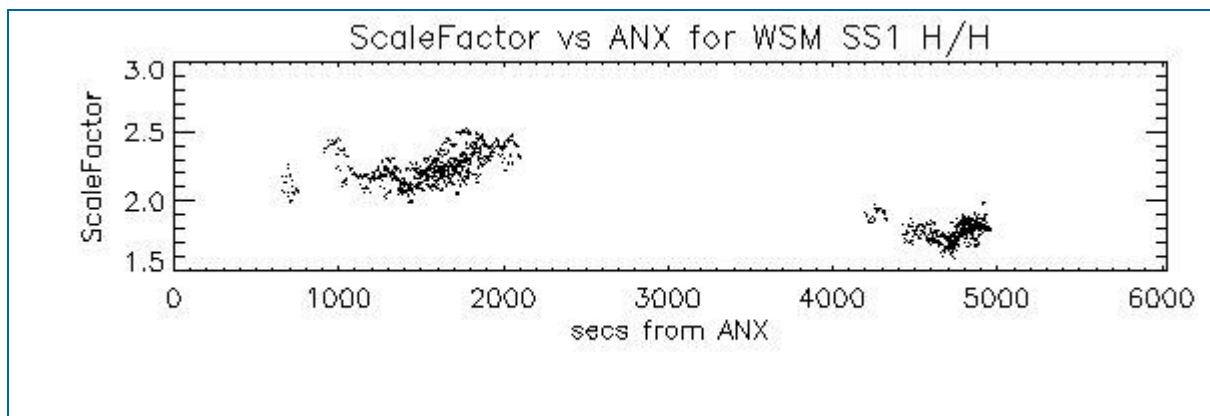
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[[BACK TO MENU](#)]

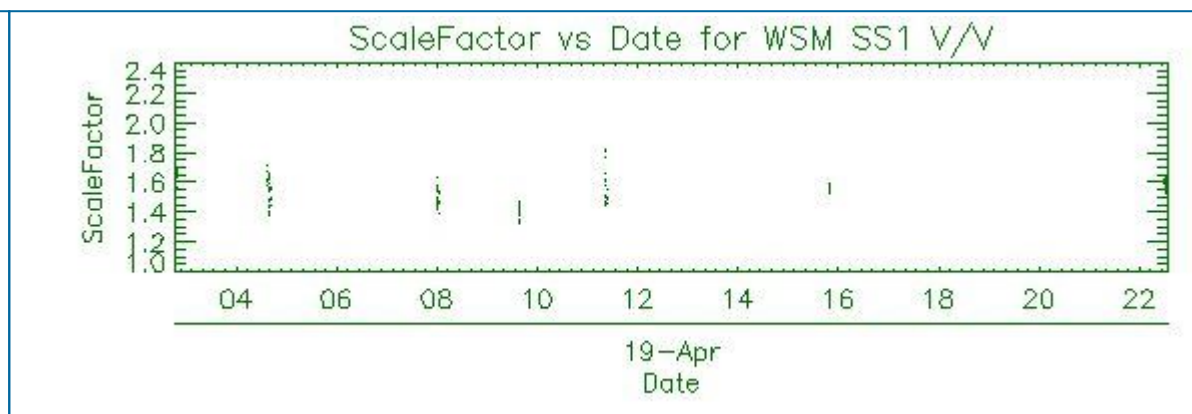
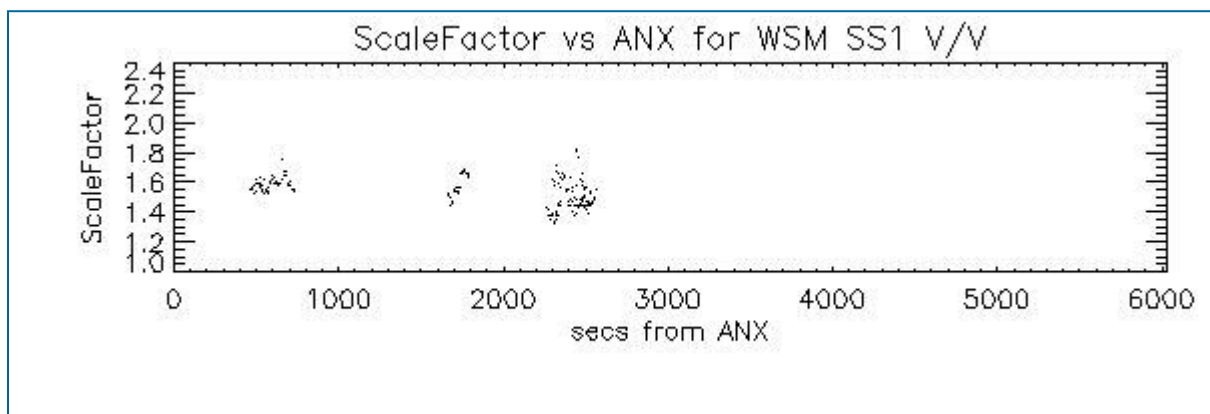




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[[BACK TO MENU](#)]

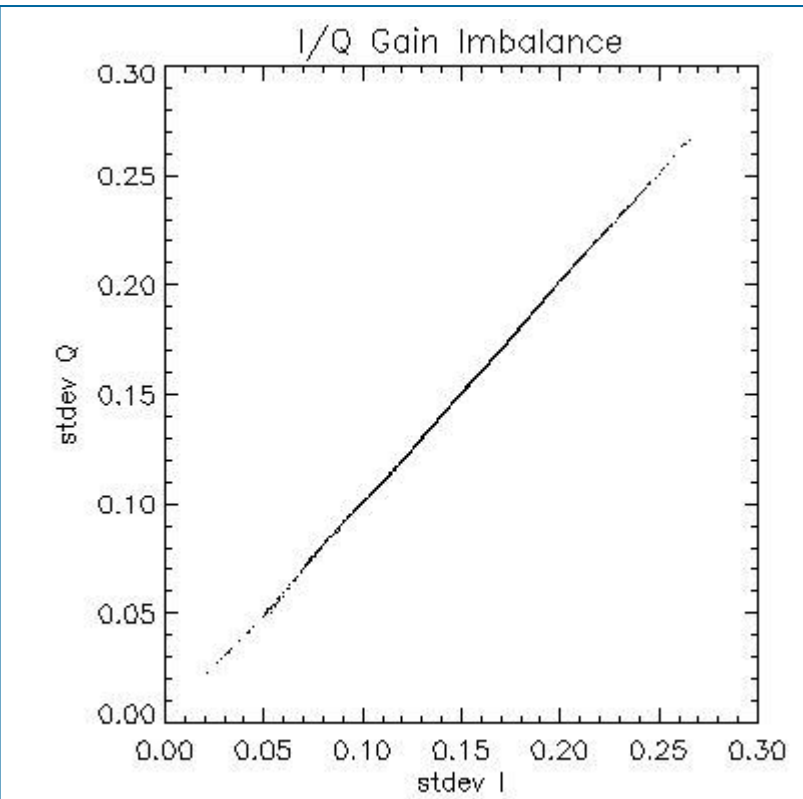
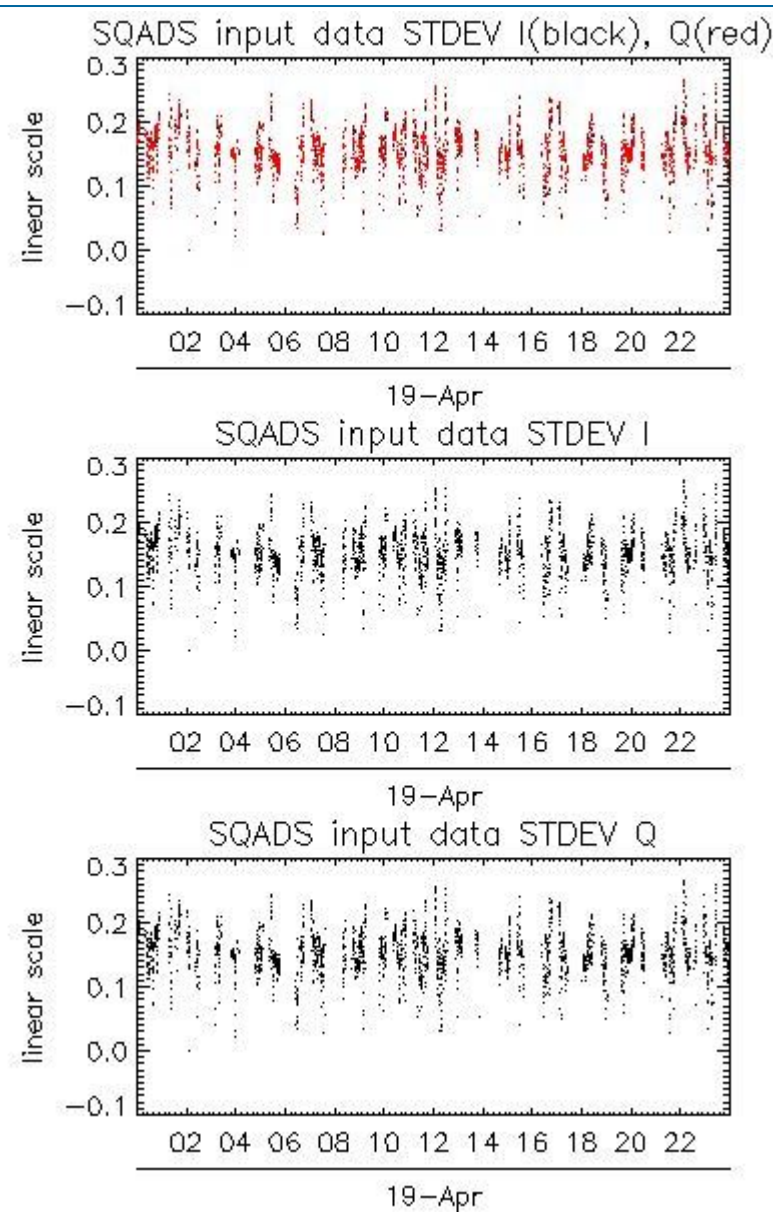
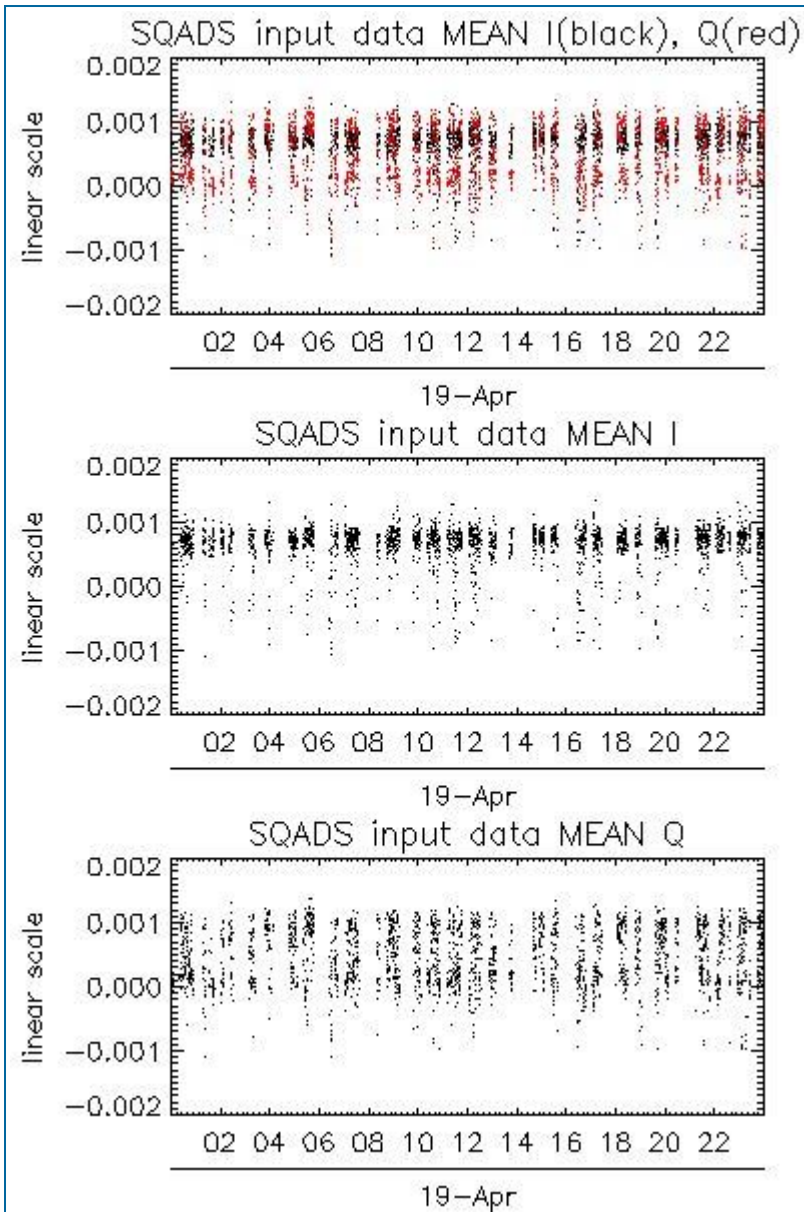


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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

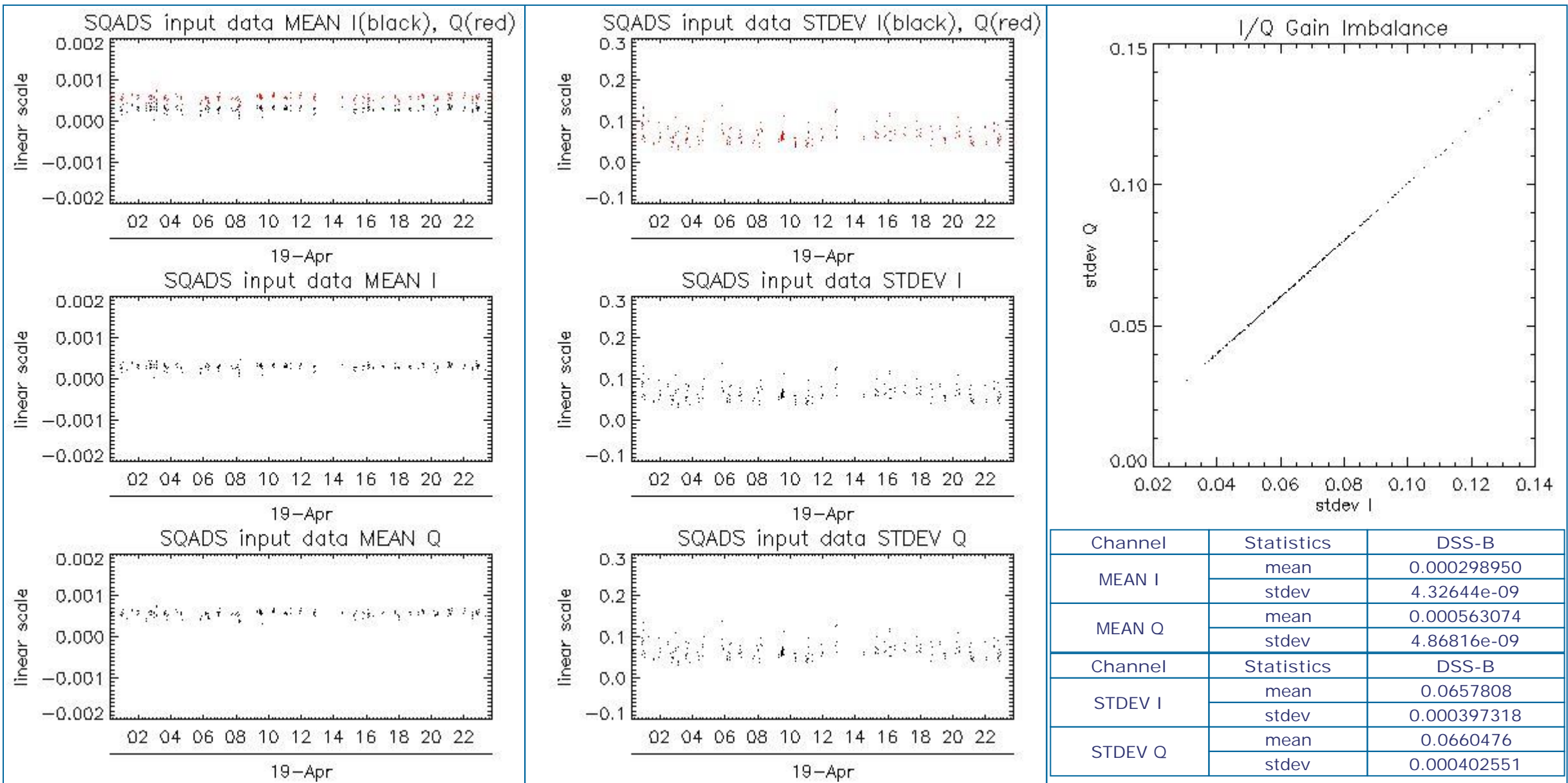


| Channel | Statistics | DSS-B |
|---------|------------|-------------|
| MEAN I | mean | 0.000651621 |
| | stdev | 9.95630e-08 |
| MEAN Q | mean | 0.000492336 |
| | stdev | 2.05045e-07 |
| Channel | Statistics | DSS-B |
| STDEV I | mean | 0.152926 |
| | stdev | 0.00121085 |
| STDEV Q | mean | 0.153521 |
| | stdev | 0.00123865 |

7.2 - Analysis for IMM

[[BACK TO MENU](#)]



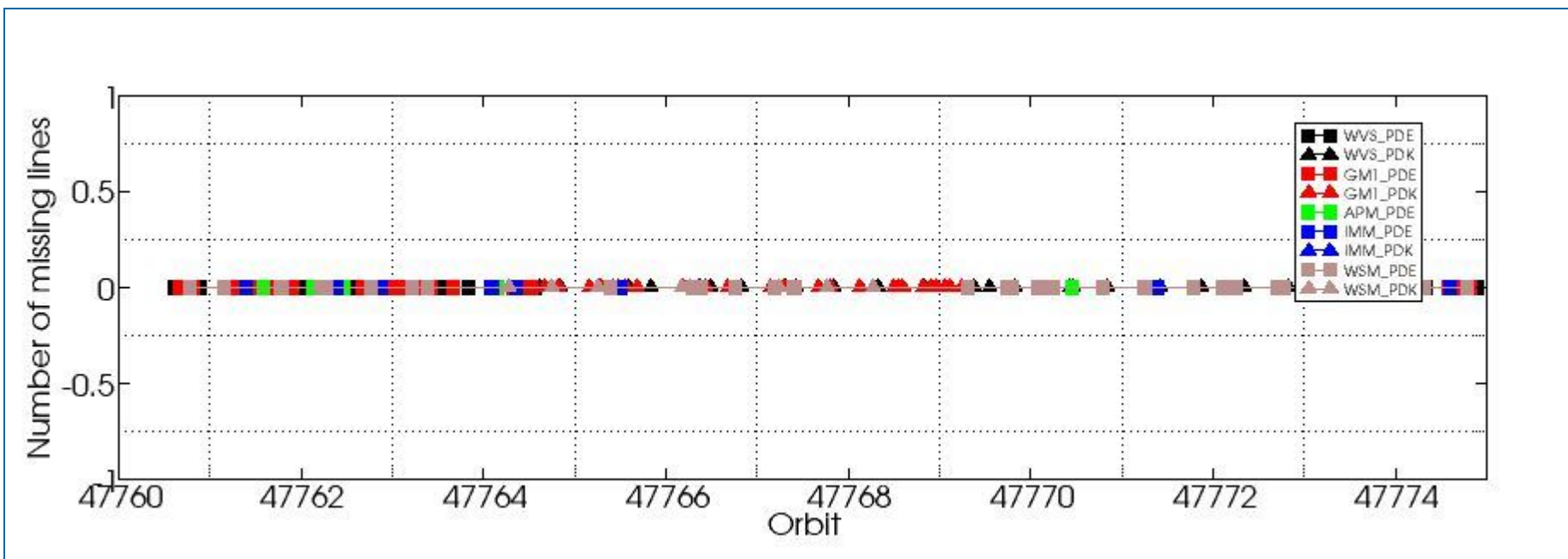


8 - TELEMETRY ANALYSIS

8.1 - Number of Missing lines

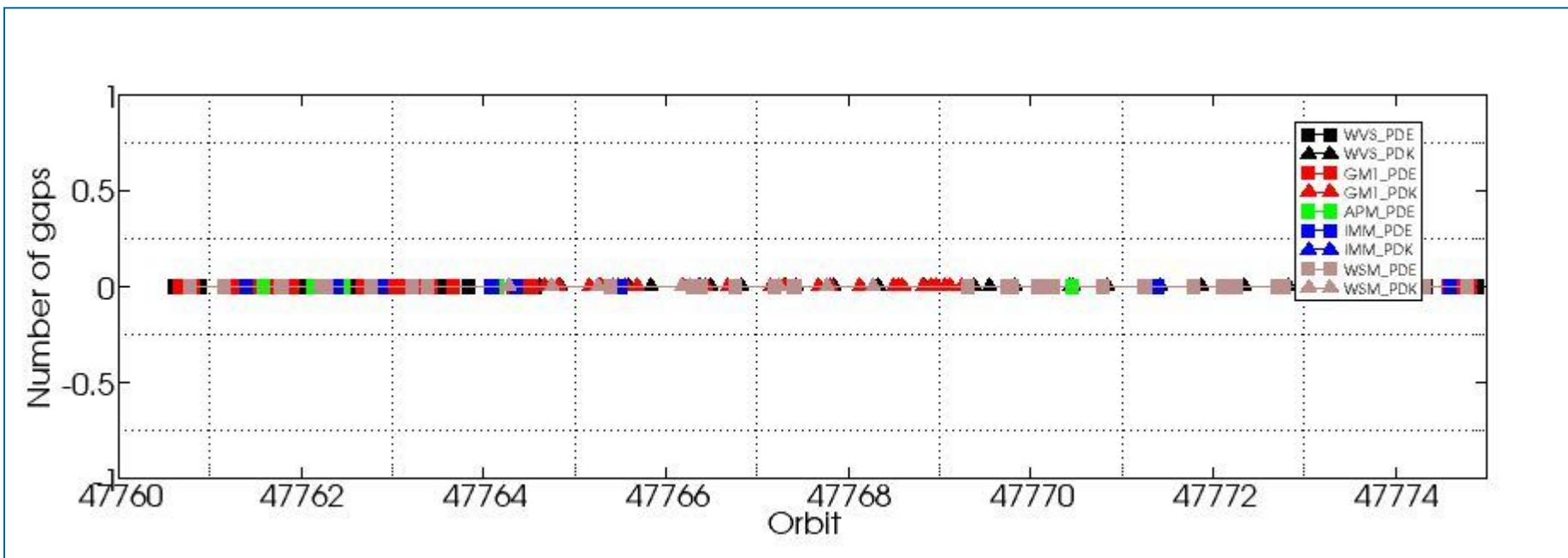
[BACK TO MENU]





8.2 - Number of Gaps

[\[BACK TO MENU \]](#)



ASAR DAILY REPORT for 110419
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-04-19 00:00:00

Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/

DATA SUMMARY

Summary will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_110419/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_110419/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/AUXILIARY

Creating directory ./RESULTS/DAILY/_110419/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20110419*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_110419/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_110419/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_110419/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20110419_082640_000000163101_00337_47765_0543.N1

H
H
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/TGH_20110419_082640-20010209_135042.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/TPH_20110419_082640-20010209_135042.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/RGH_20110419_082640-20010209_135042.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/RPH_20110419_082640-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20110419_100654_000000163101_00338_47766_0544.N1

V
V
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/TGV_20110419_100654-20010209_140823.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/TPV_20110419_100654-20010209_140823.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/RGV_20110419_100654-20010209_140823.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/SECOND_REFERENCE/RPV_20110419_100654-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20110418_090324_000000163101_00323_47751_0541.N1
Test product: ASA_MS__0PNPDK20110419_082640_000000163101_00337_47765_0543.N1

H
H
../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20110419_082640-20110418_090324.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20110419_082640-20110418_090324.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20110419_082640-20110418_090324.png
../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20110419_082640-20110418_090324.png

Polarization: V
Reference product: ASA_MS__0PNPDK20110418_104338_000000163101_00324_47752_0542.N1
Test product: ASA_MS__0PNPDK20110419_100654_000000163101_00338_47766_0544.N1

V
V

../../../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20110419_100654-20110418_104338.png
../../../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20110419_100654-20110418_104338.png
../../../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20110419_100654-20110418_104338.png
../../../../RESULTS/DAILY/_110419/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20110419_100654-20110418_104338.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/_110419/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-19_1.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-19_2.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-19_3.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-04-19_4.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/_110419//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 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-19_1.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-19_2.dat...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-19_3.dat...
Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-04-19 00:00:00 to 2011-04-19 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110419/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-04-19_4.dat...
Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_110419//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_110419/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DOPPLER/Doppler_data_WVS_IS2_VV_2011-04-19.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110419/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DOPPLER/Doppler_data_GM1_SS1_HH_2011-04-19.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110419/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-04-19 00:00:00 to 2011-04-19 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/DOPPLER/Doppler_Jumps_data_WSM_2011-04-19.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110419/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_110419/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 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 = -80.676658 Hz
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -66.918939 Hz
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_110419//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 = -53.296504 Hz
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
*****
```

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -50.742988 Hz
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110419//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
*****
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_110419/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-04-19.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110419/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110419/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-04-19.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110419/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_110419/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/RAW_DATA

Creating directory ./RESULTS/DAILY/_110419/RAW_DATA...

Getting raw data for WVS from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/RAW_DATA/Raw_data_WVS_2011-04-19.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-04-19 00:00:00 to 2011-04-19 23:59:59...
Writing file ./RESULTS/DAILY/_110419/RAW_DATA/Raw_data_IMM_2011-04-19.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110419/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2011-04-19 00:00:00 to 2011-04-19 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110419/TELEMETRY

Creating directory ./RESULTS/DAILY/_110419/TELEMETRY...

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

Checking 28 products from PDE...
Checking 21 products from PDK...

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

Checking 33 products from PDE...
Checking 28 products from PDK...

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

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

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

Checking 11 products from PDE...
Checking 1 products from PDK...

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

Checking 39 products from PDE...
Checking 8 products from PDK...

Creating graph of missing lines and gaps...

```
*****  
Creating image: ./RESULTS/DAILY/_110419/TELEMETRY/TELEMETRY_Missing_lines.png...  
Creating image: ./RESULTS/DAILY/_110419/TELEMETRY/TELEMETRY_Gaps.png...
```

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

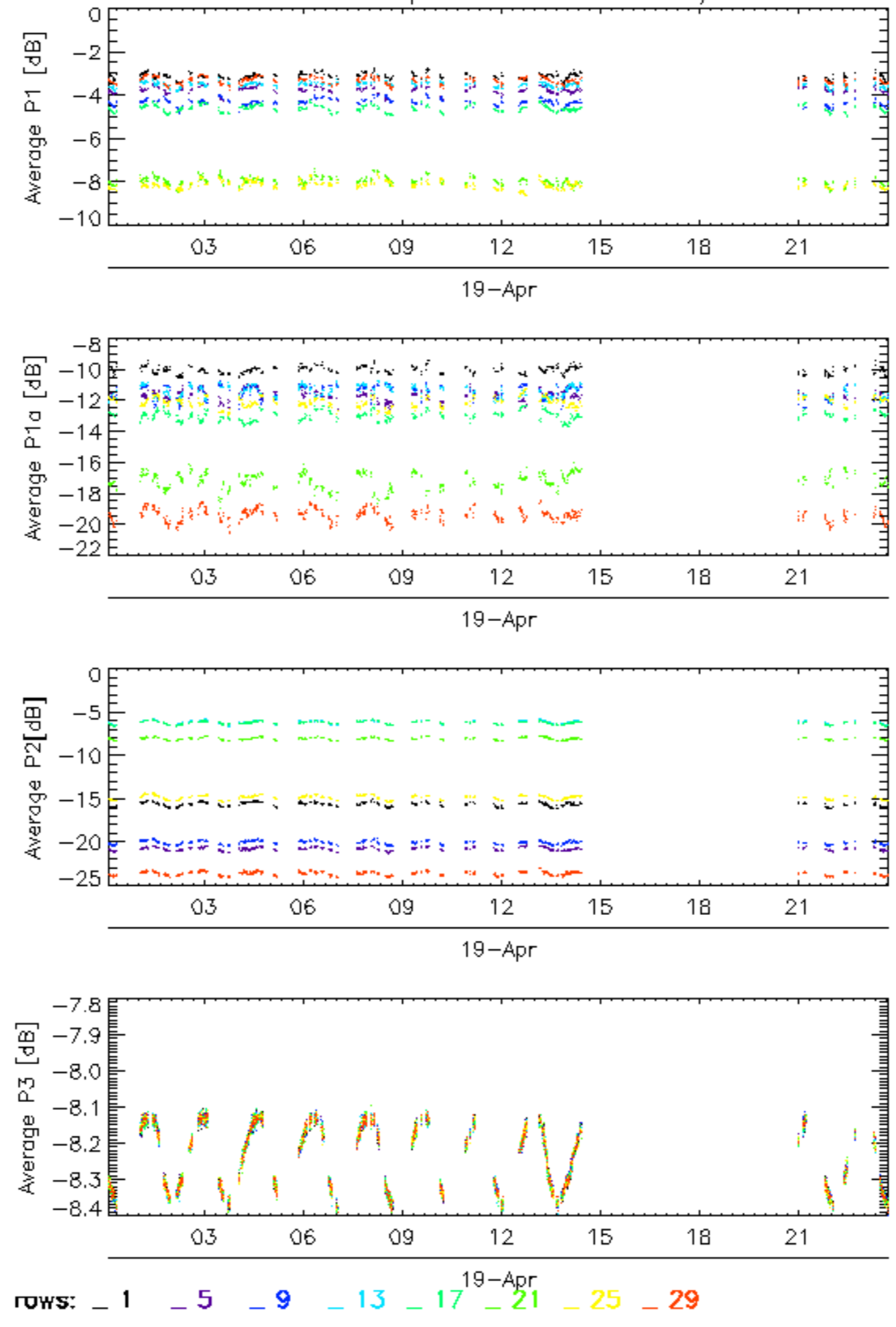
```
HTML REPORT generation  
#####
```

```
Building file ./RESULTS/DAILY/_110419/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...
```

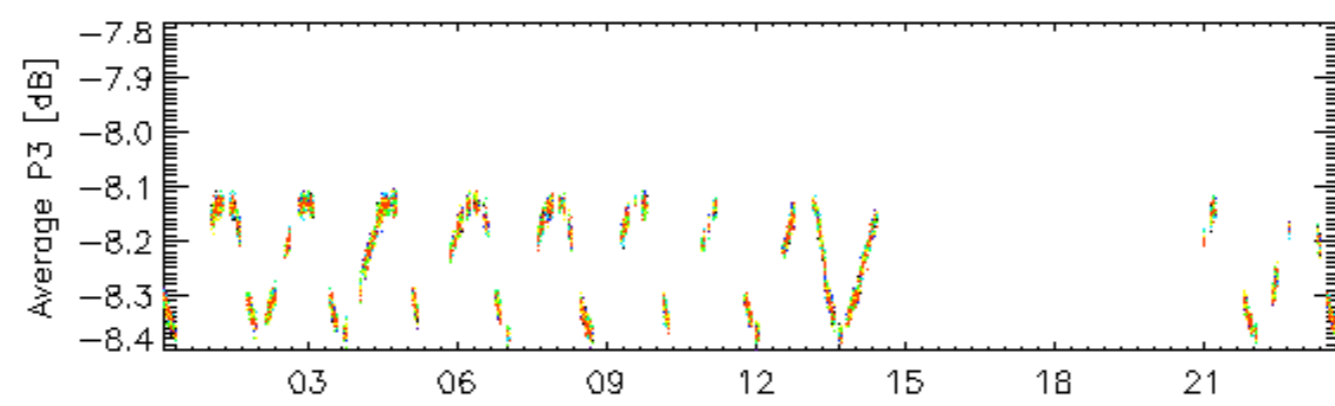
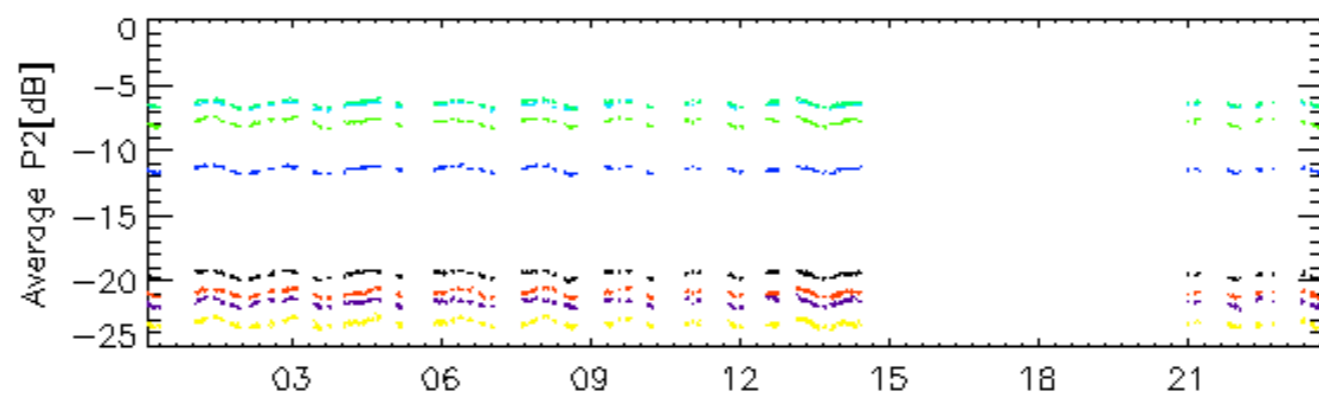
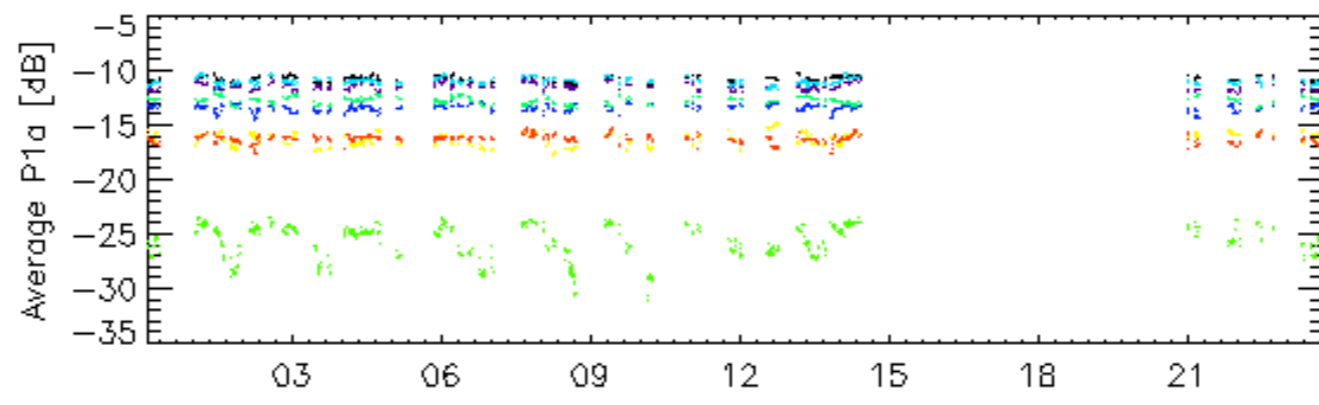
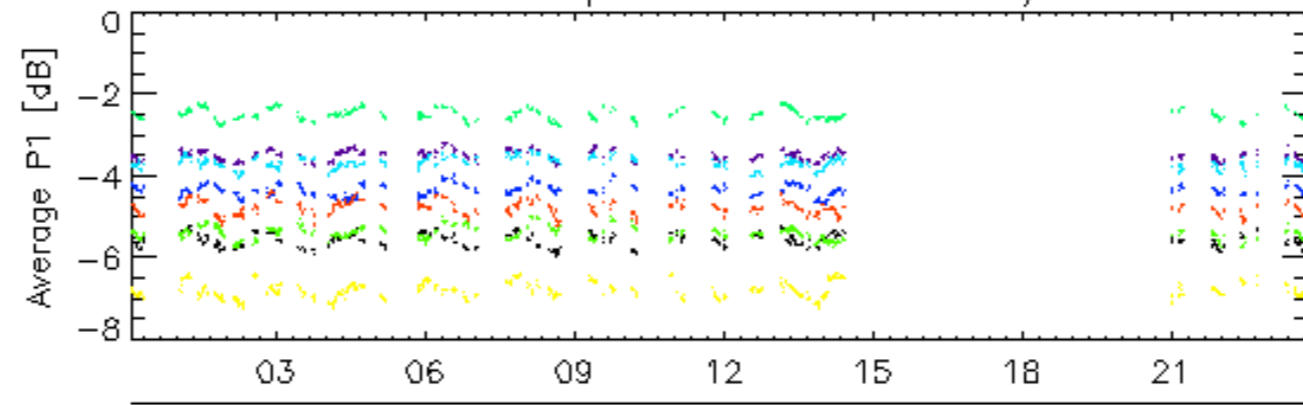
```
HTML REPORT generation completed  
#####
```



Calibration pulses for GM1 SS3 H/H

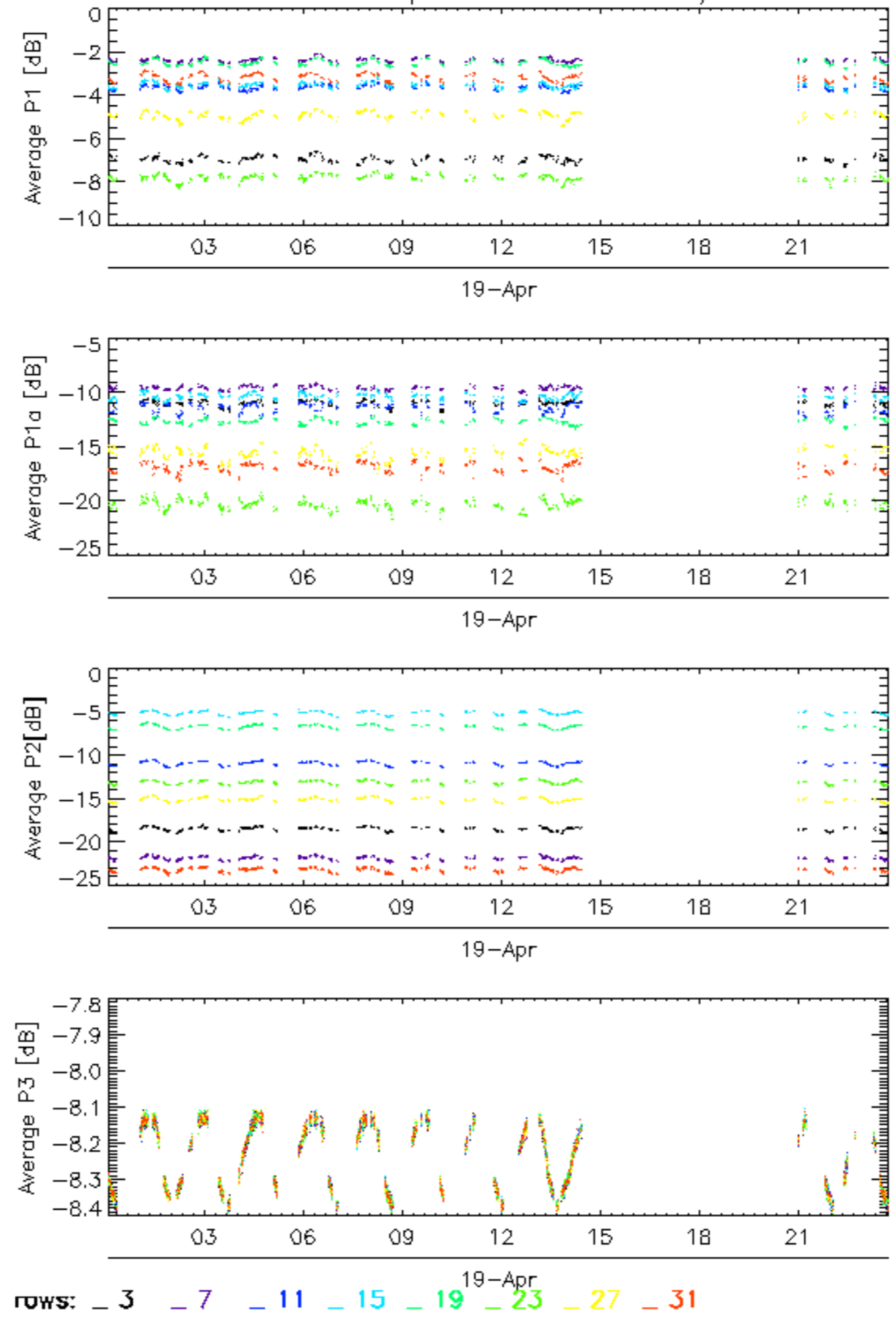


Calibration pulses for GM1 SS3 H/H

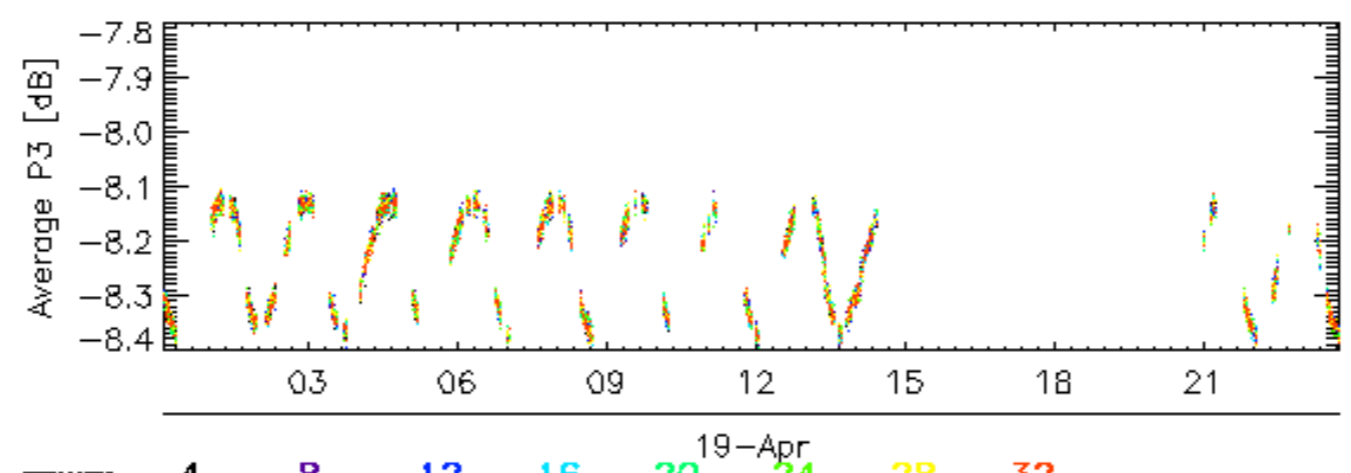
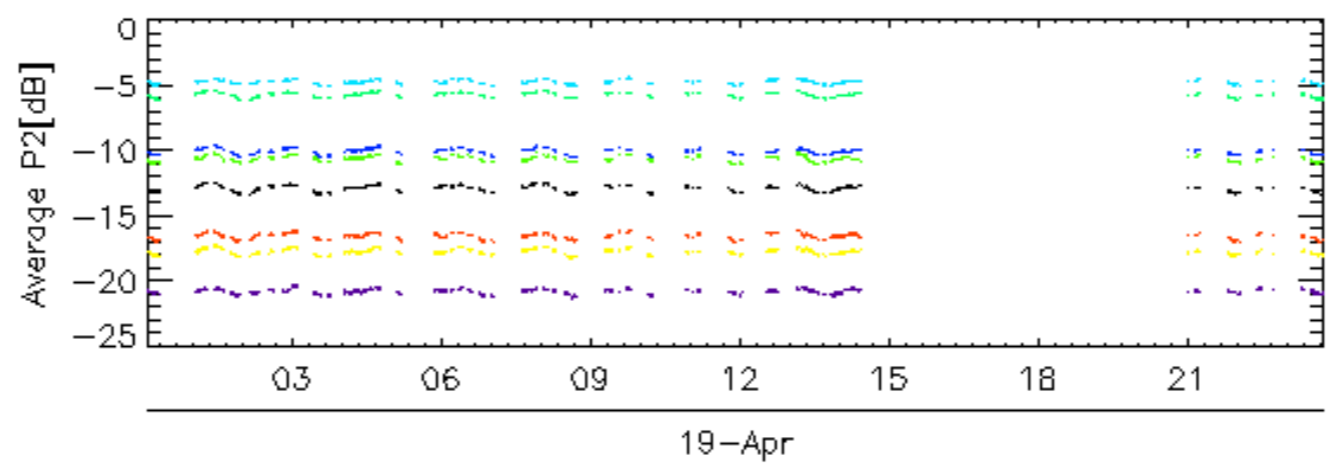
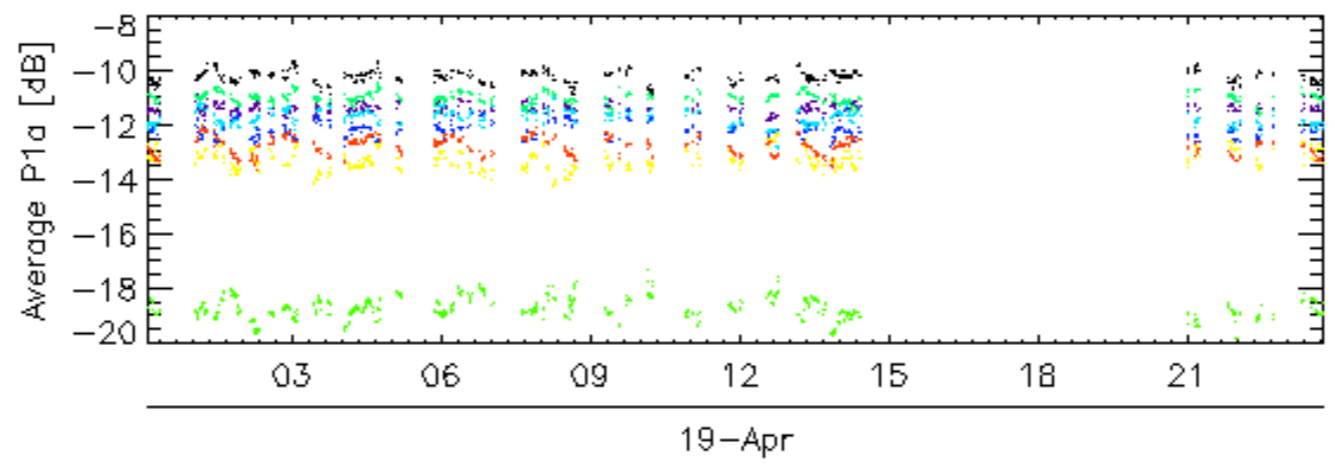
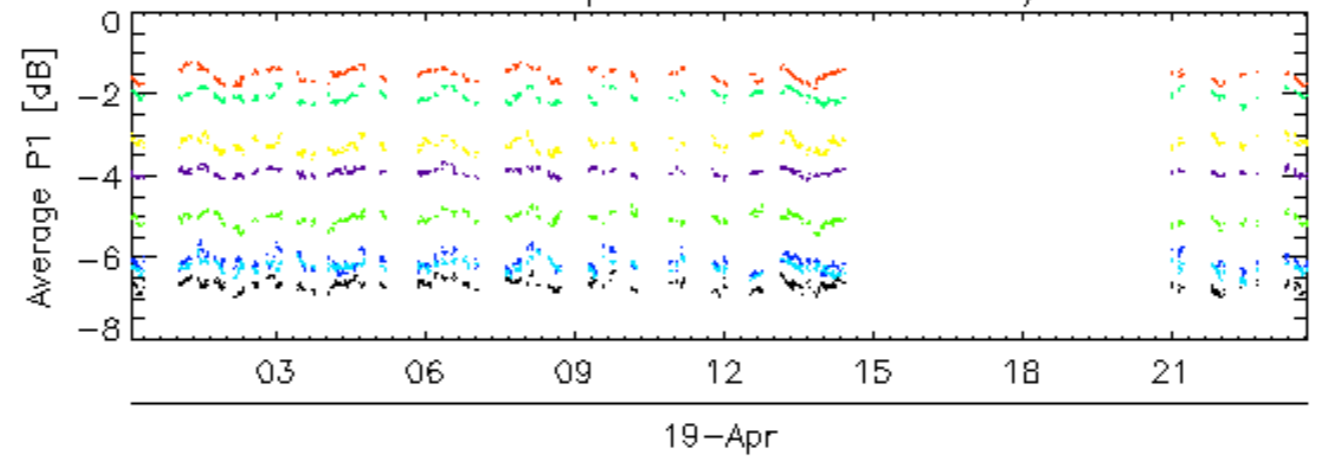


rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

Calibration pulses for GM1 SS3 H/H

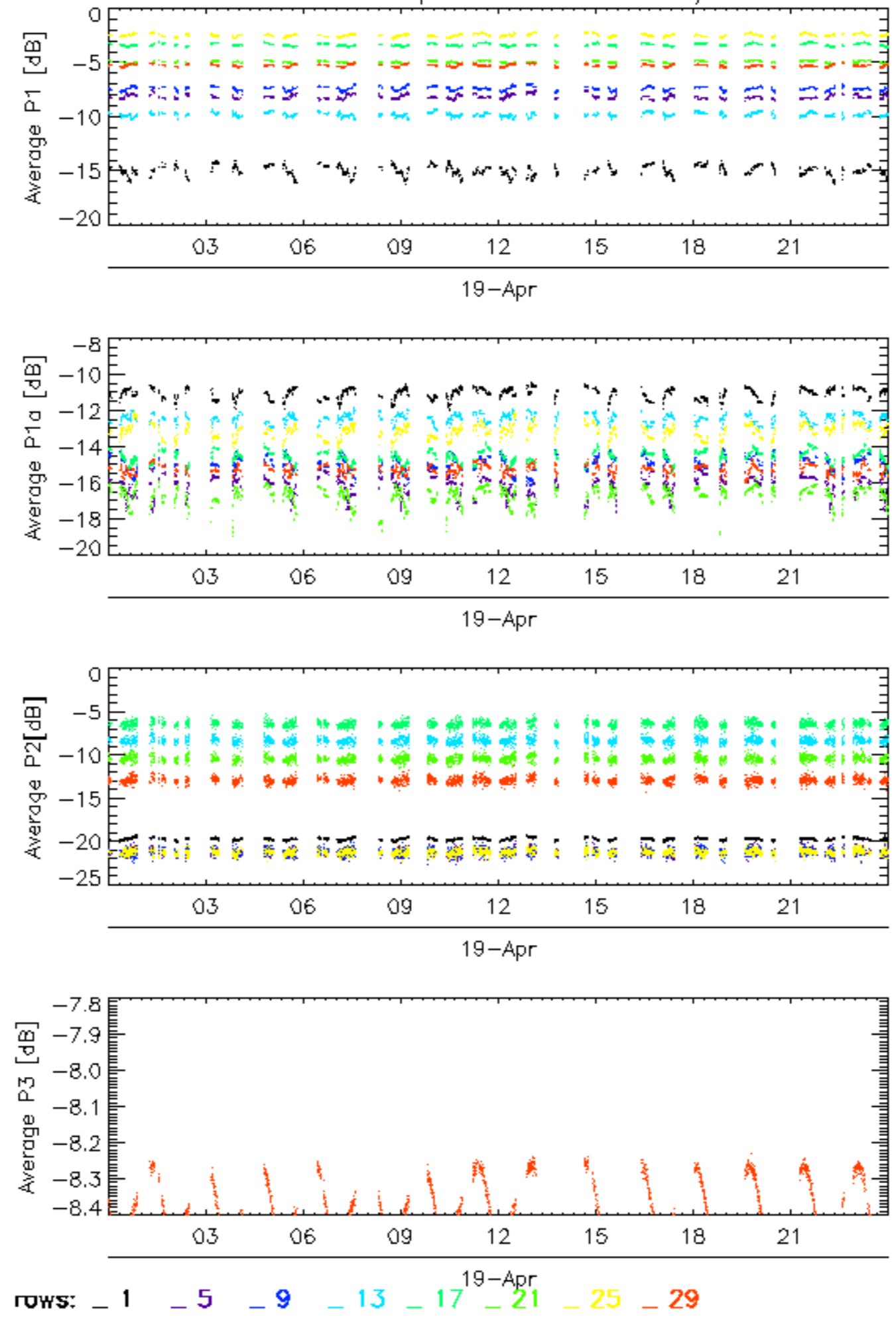


Calibration pulses for GM1 SS3 H/H

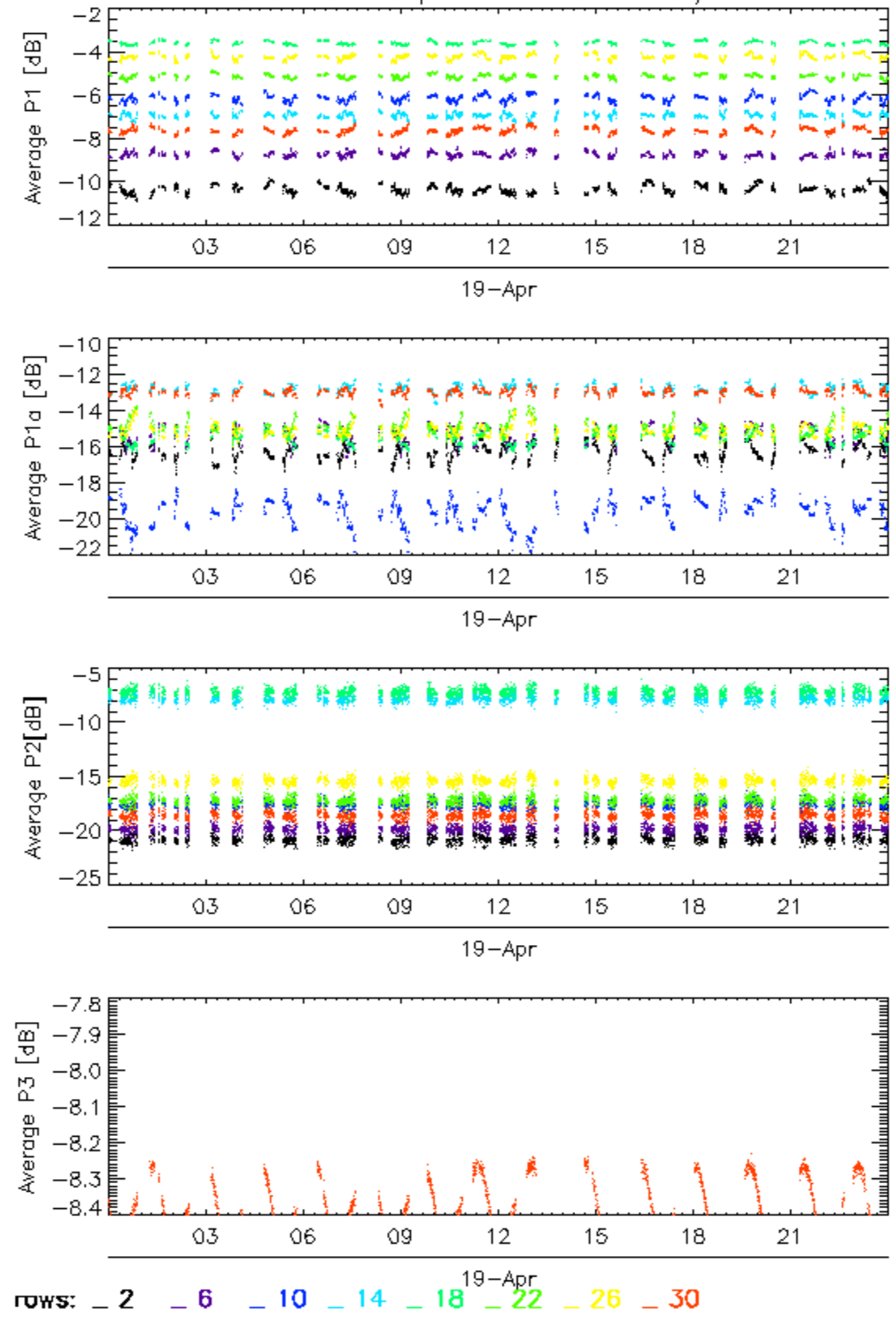


rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

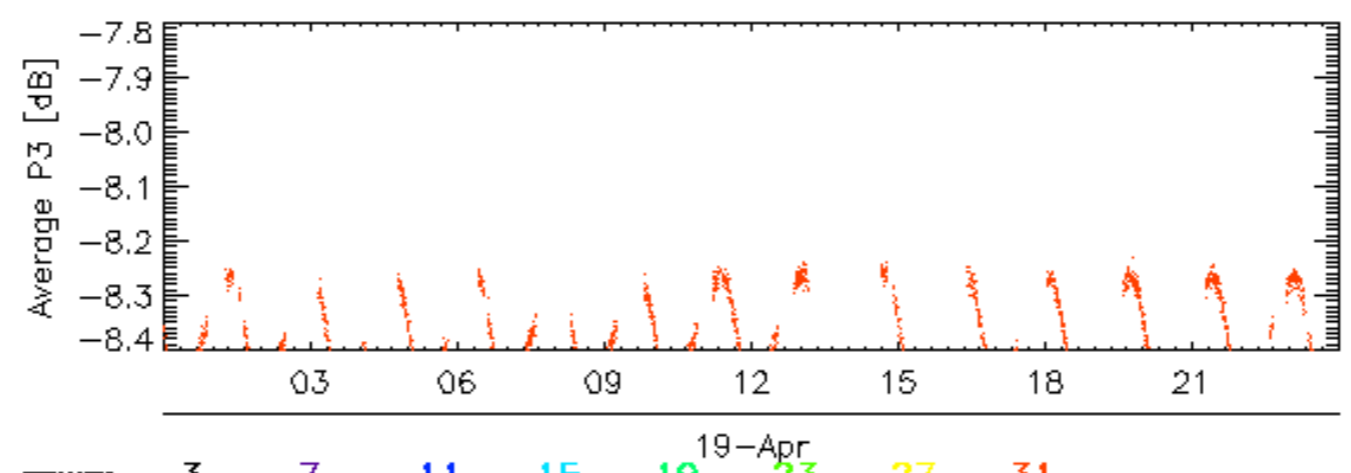
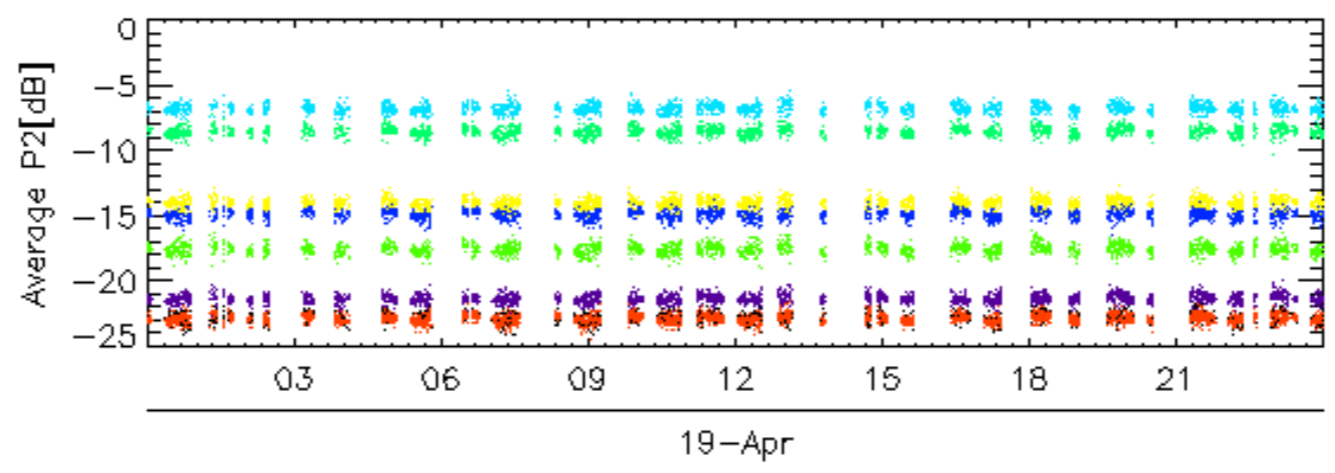
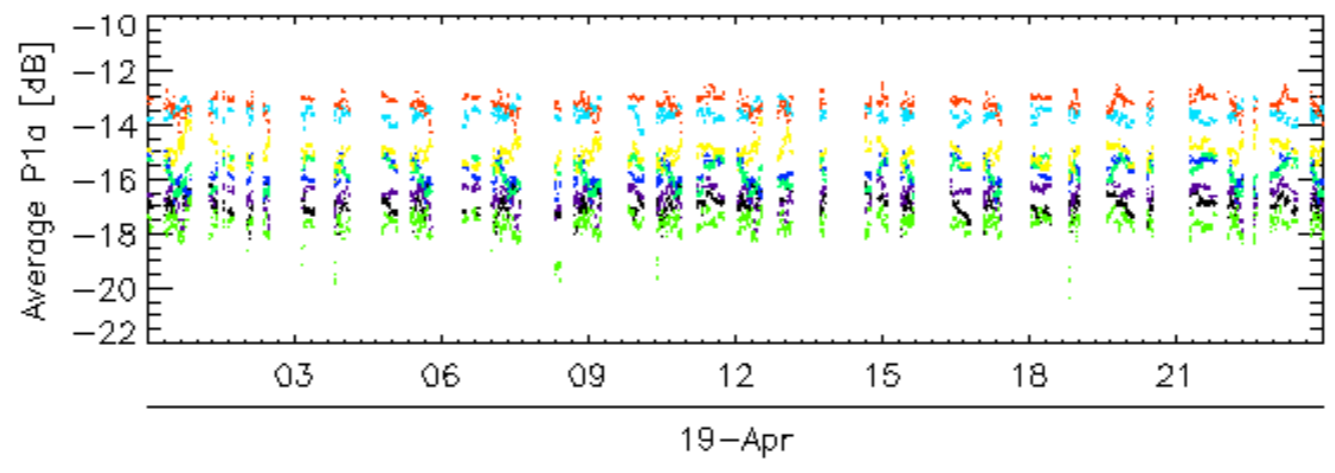
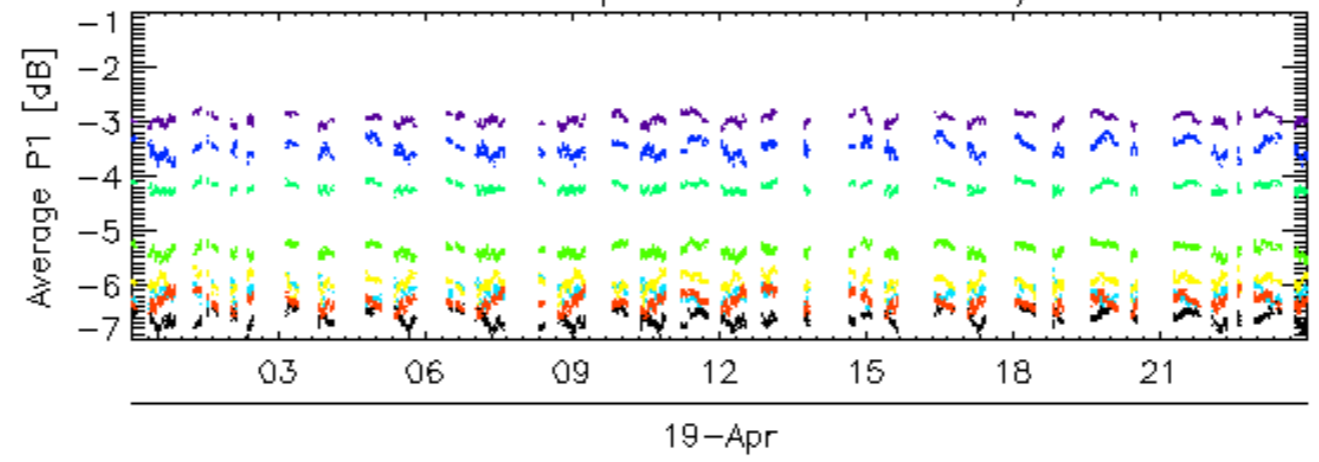
Calibration pulses for WVS IS2 V/V



Calibration pulses for WVS IS2 V/V

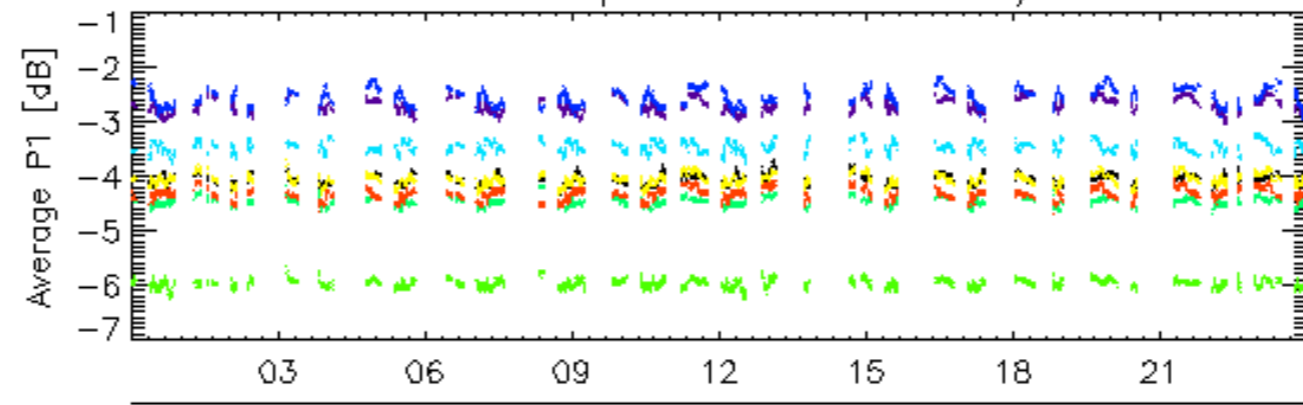


Calibration pulses for WVS IS2 V/V

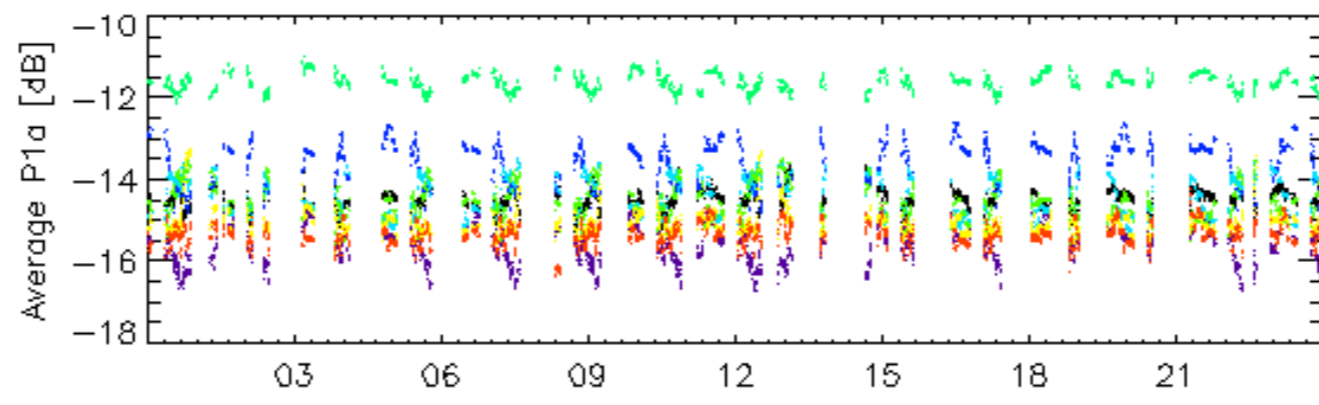


rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

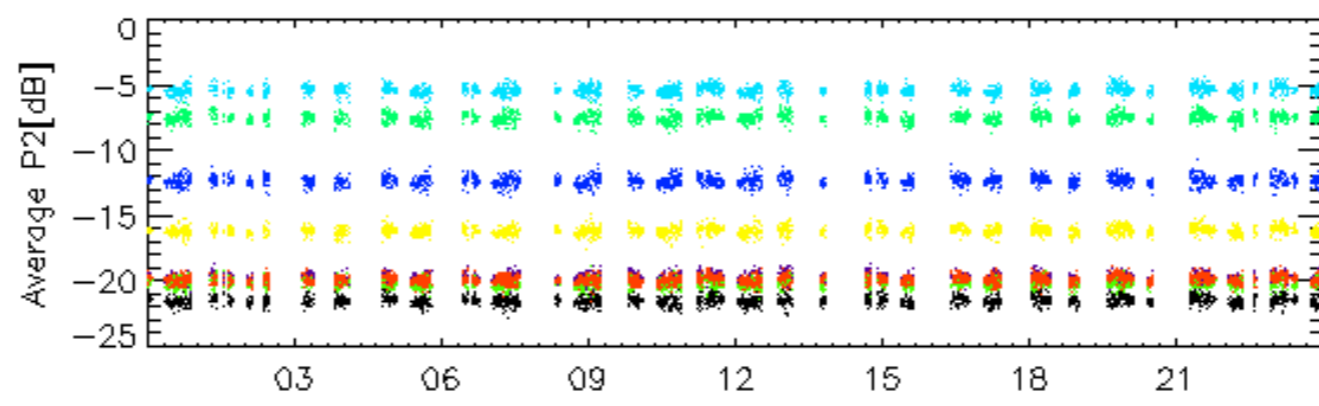
Calibration pulses for WVS IS2 V/V



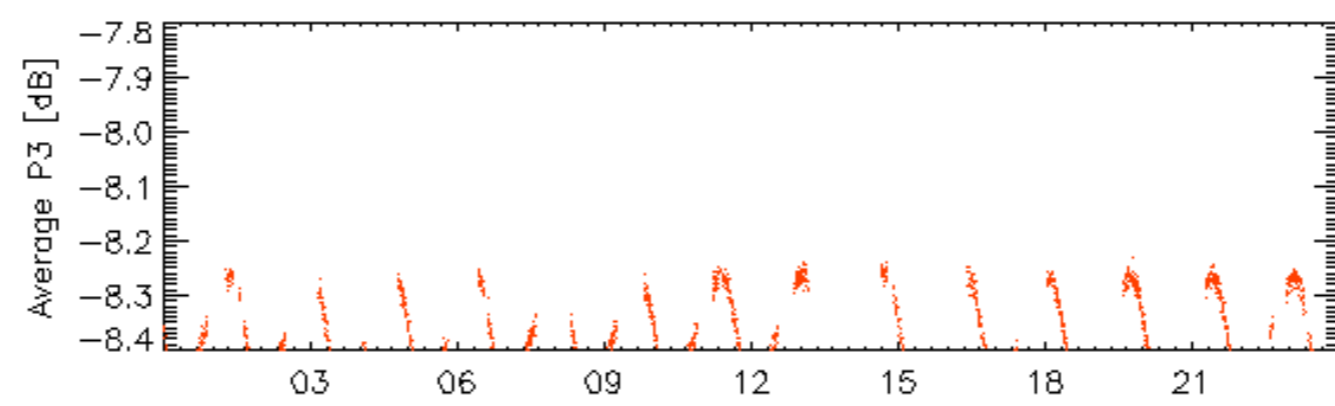
19-Apr



19-Apr

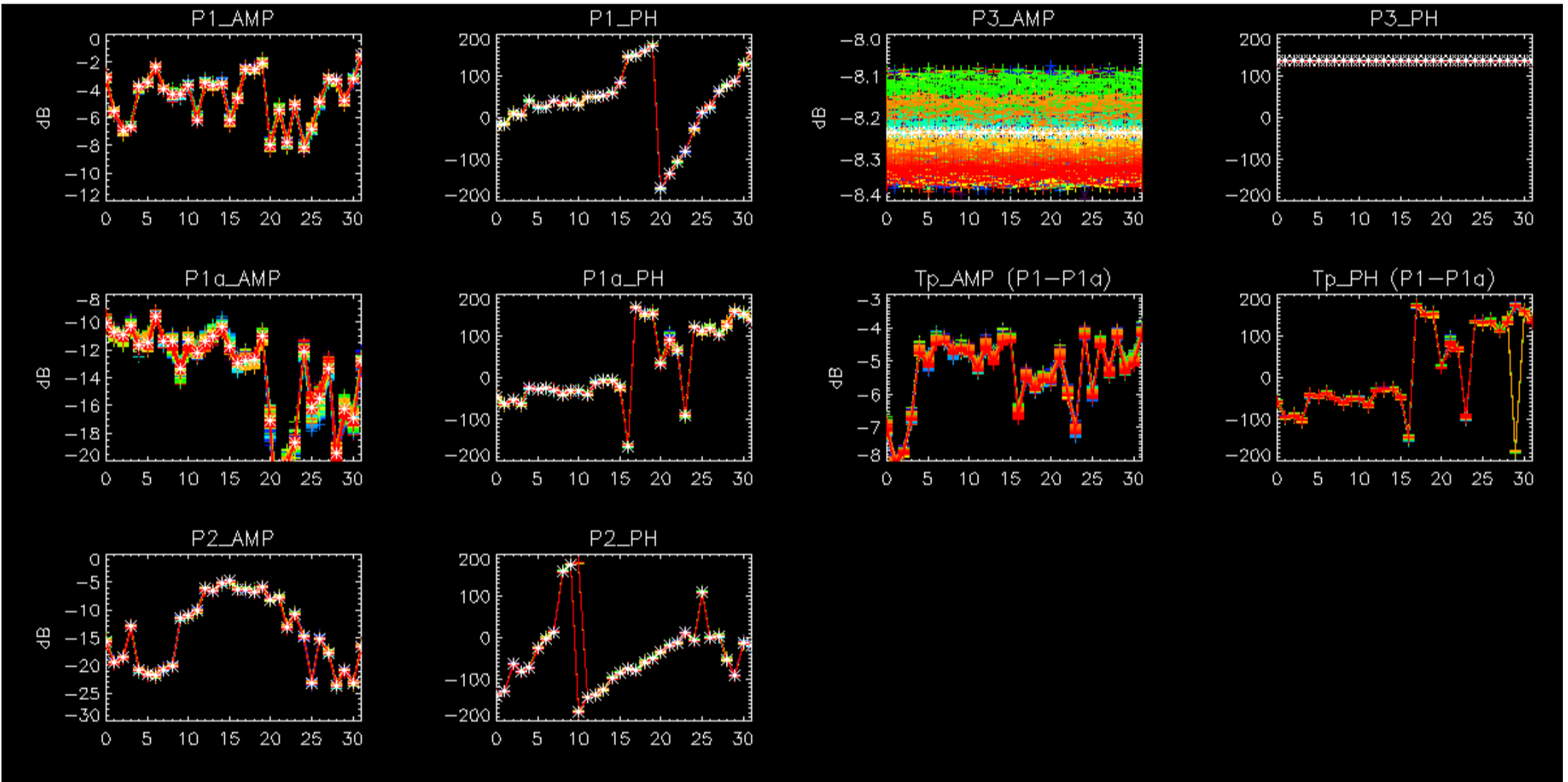


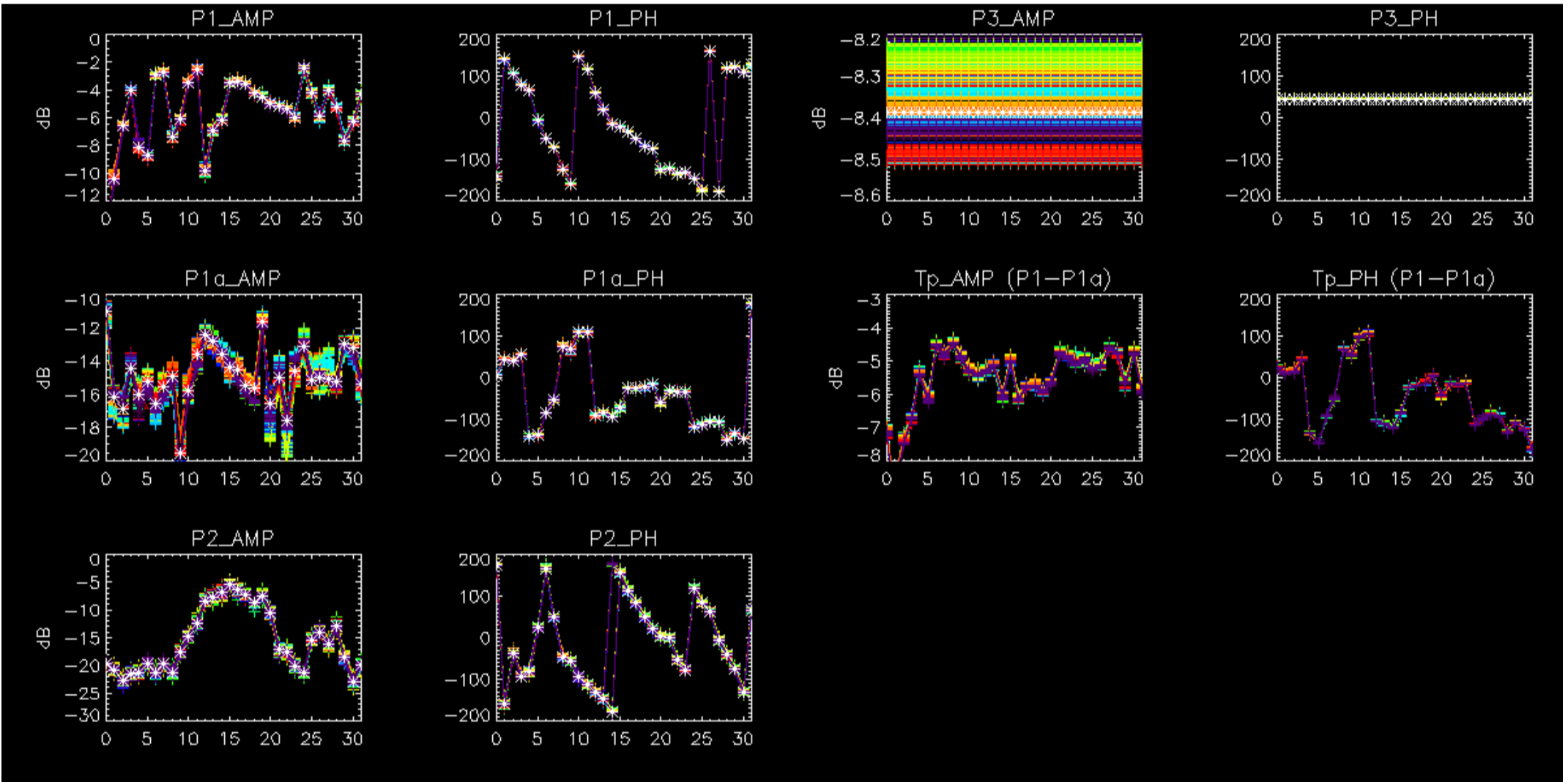
19-Apr

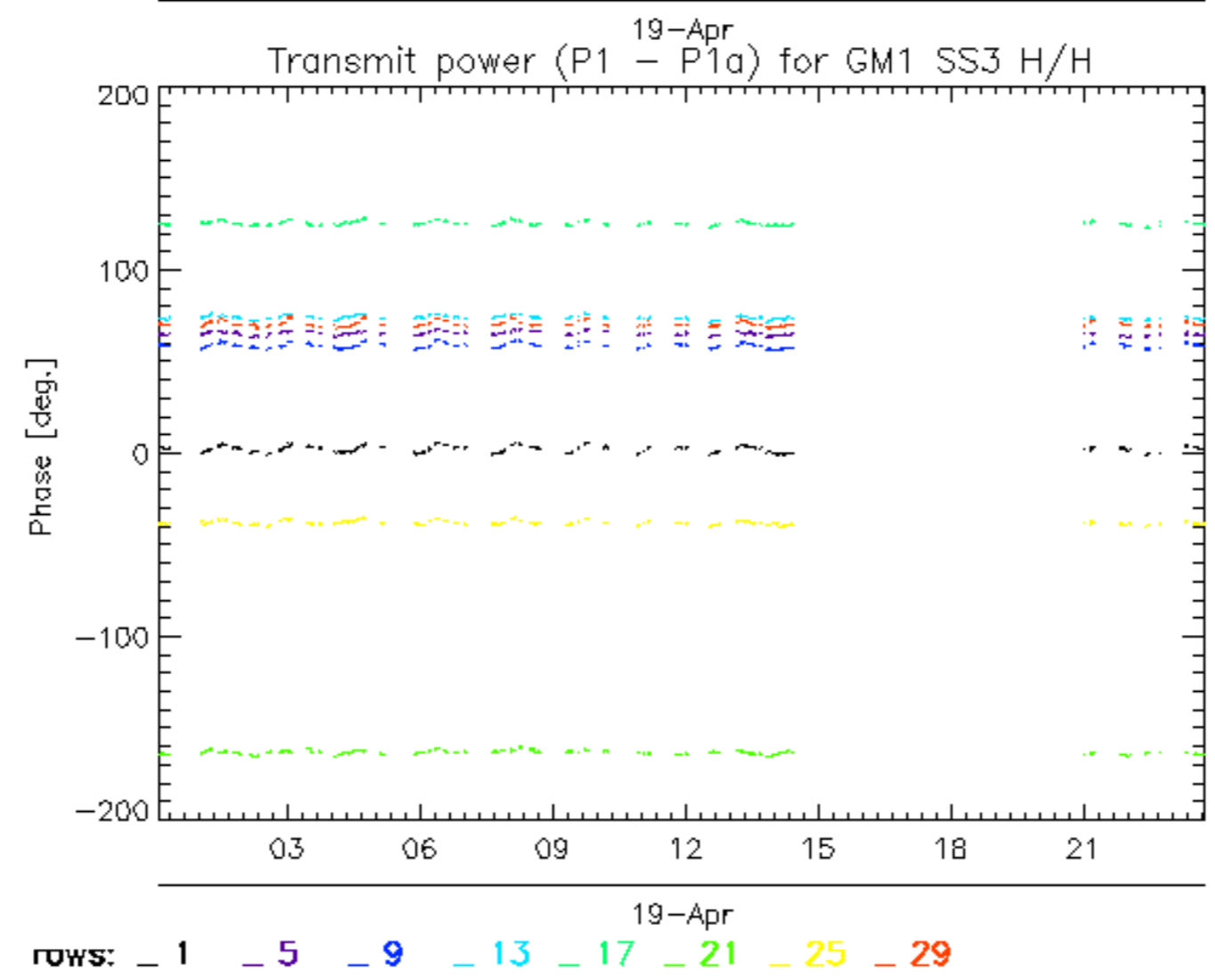
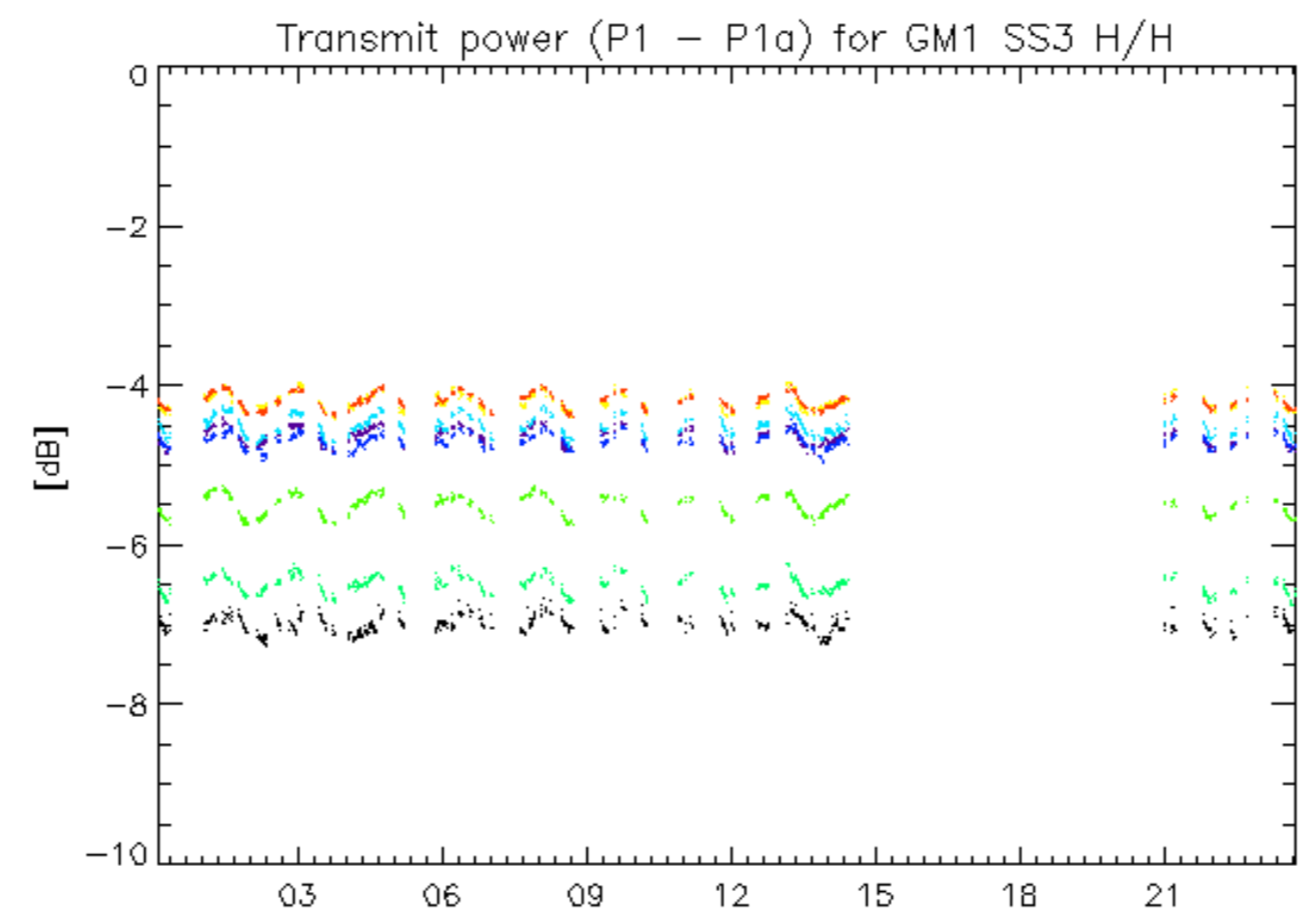


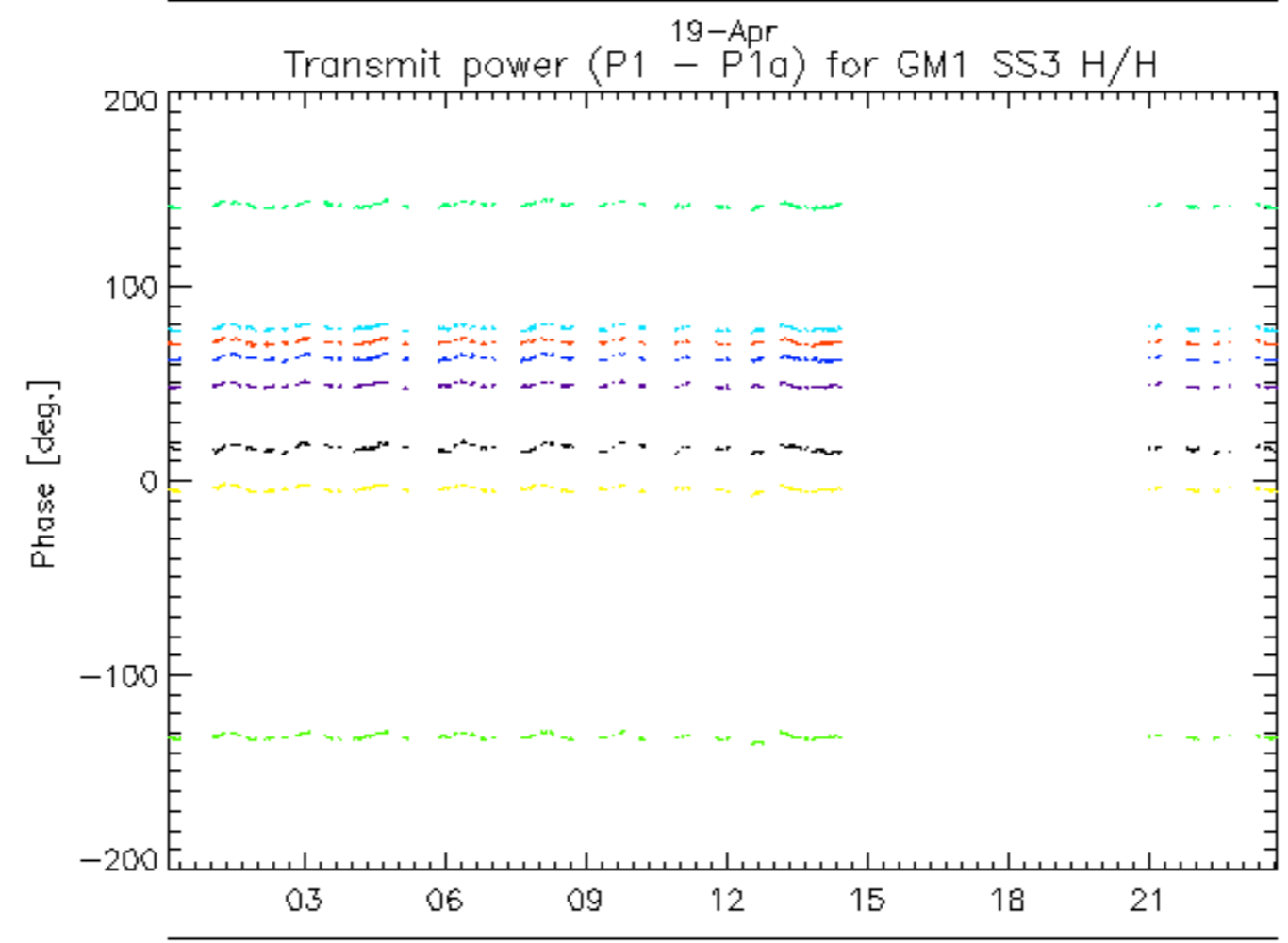
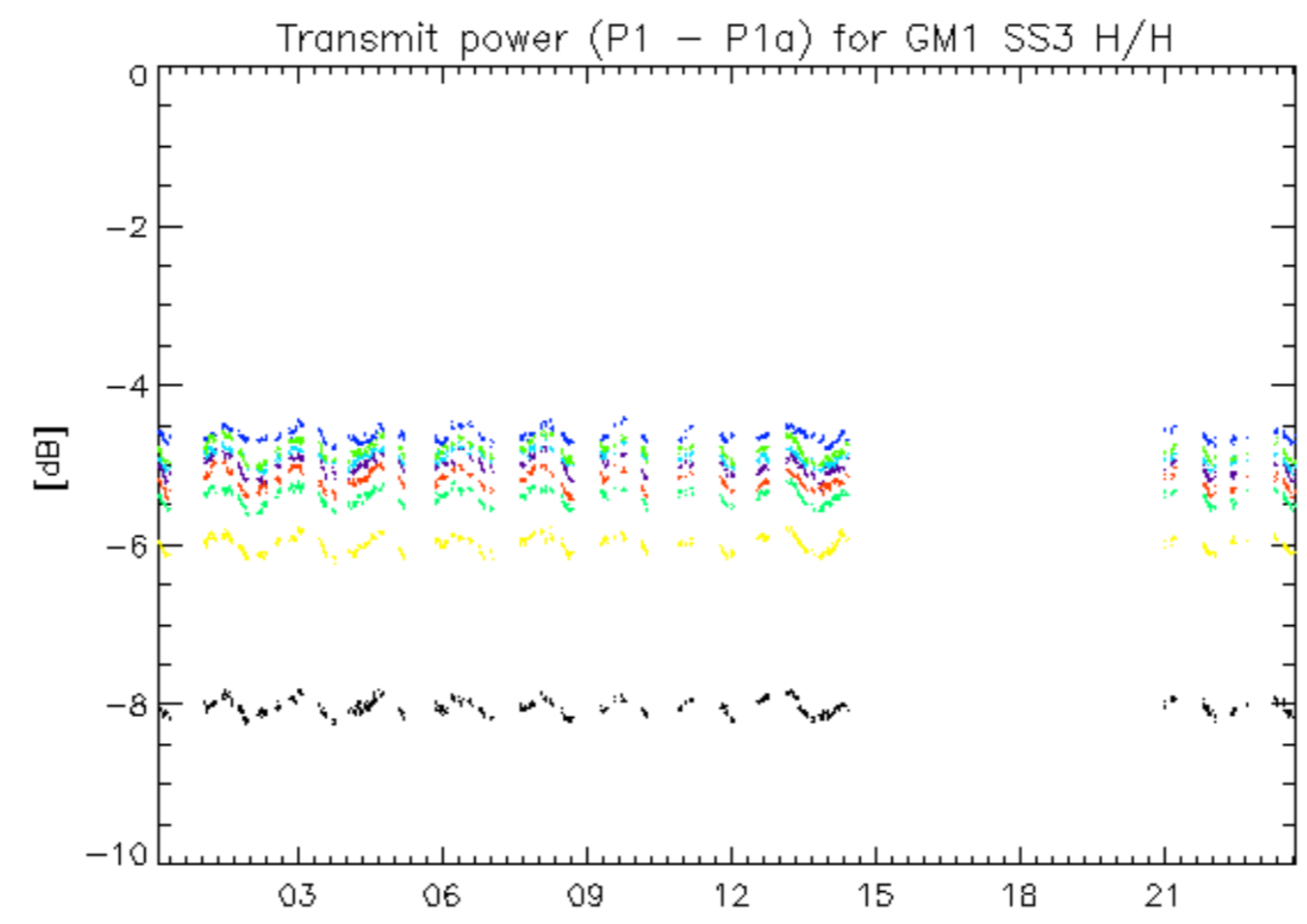
19-Apr

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

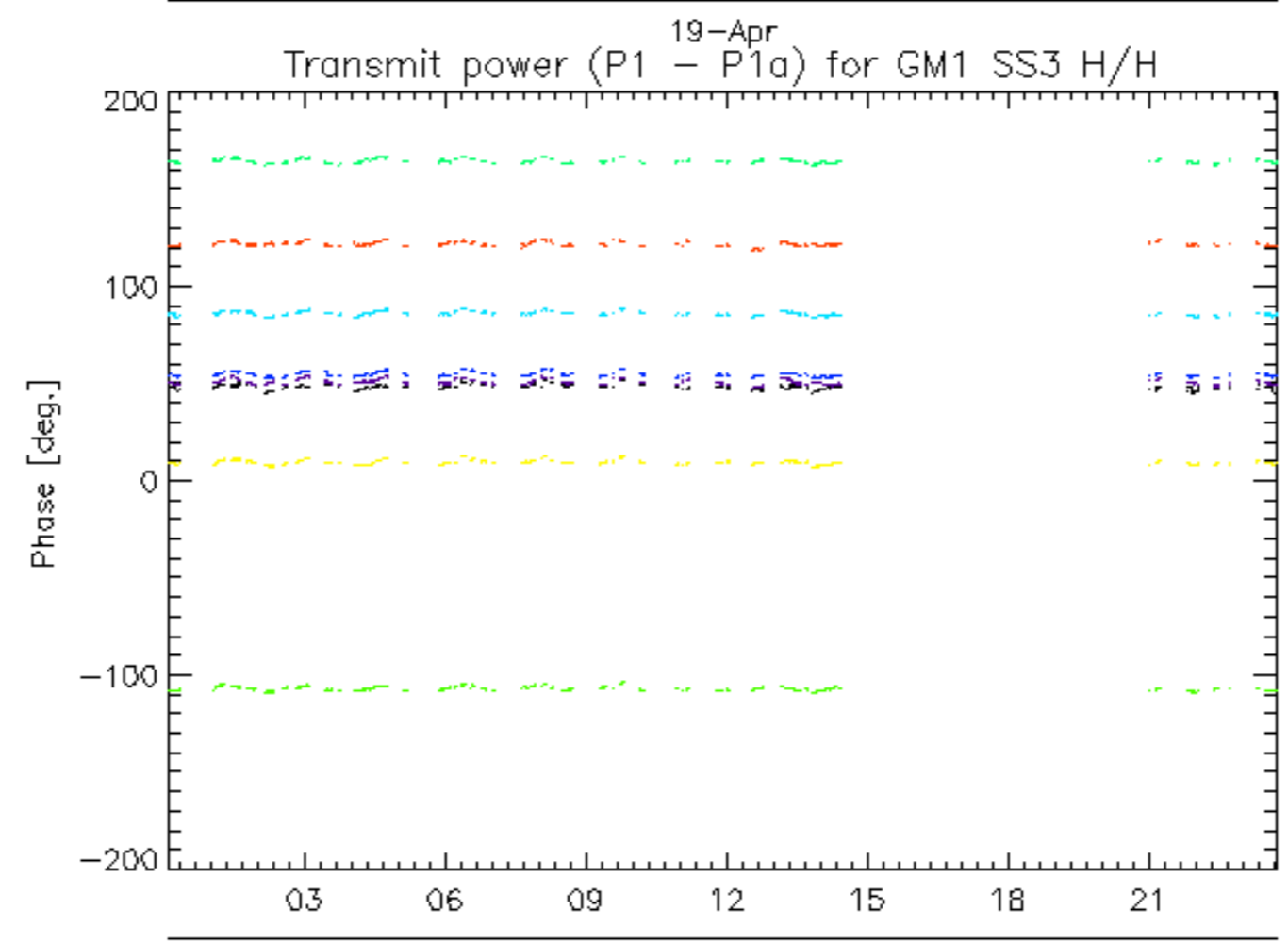
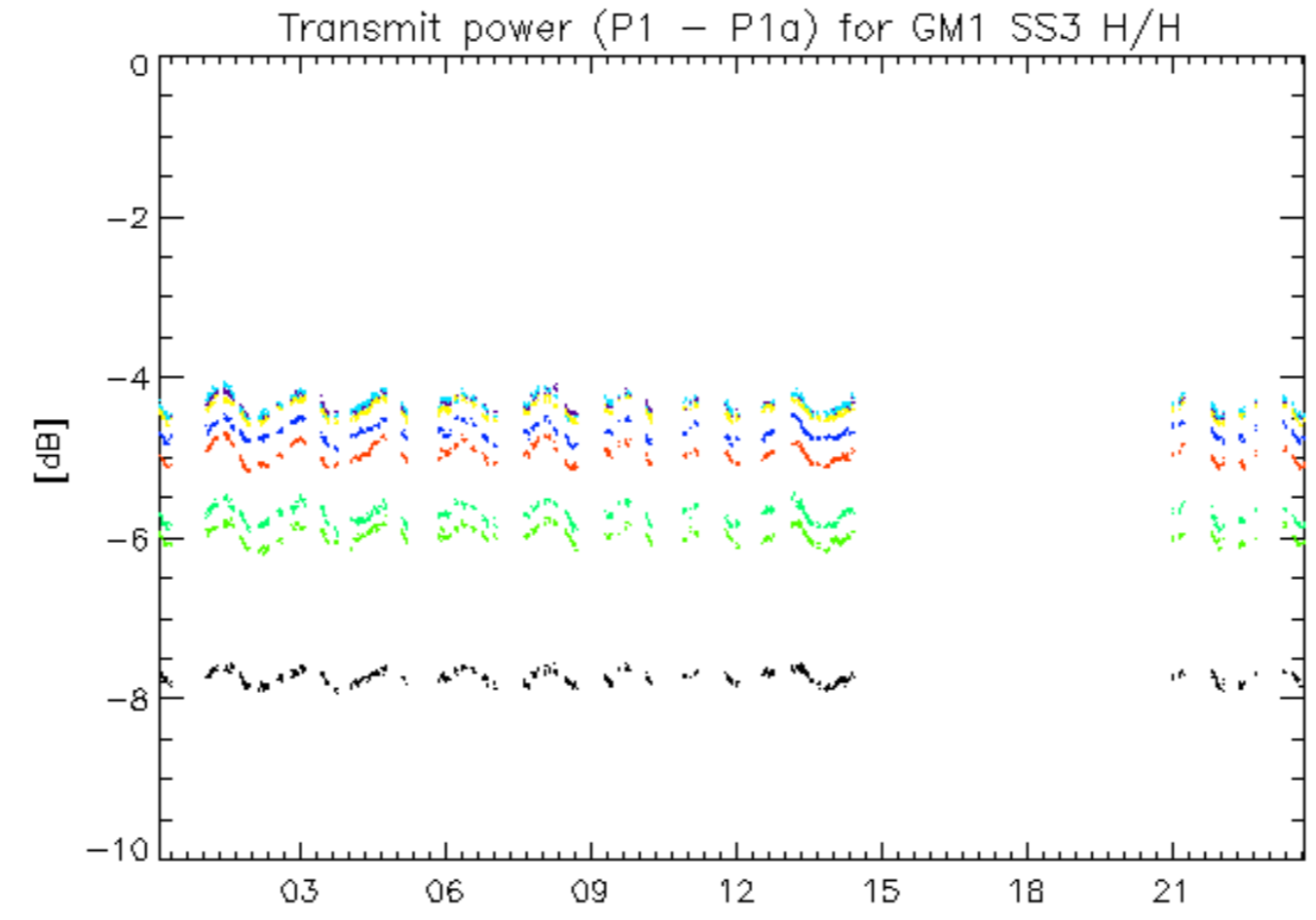




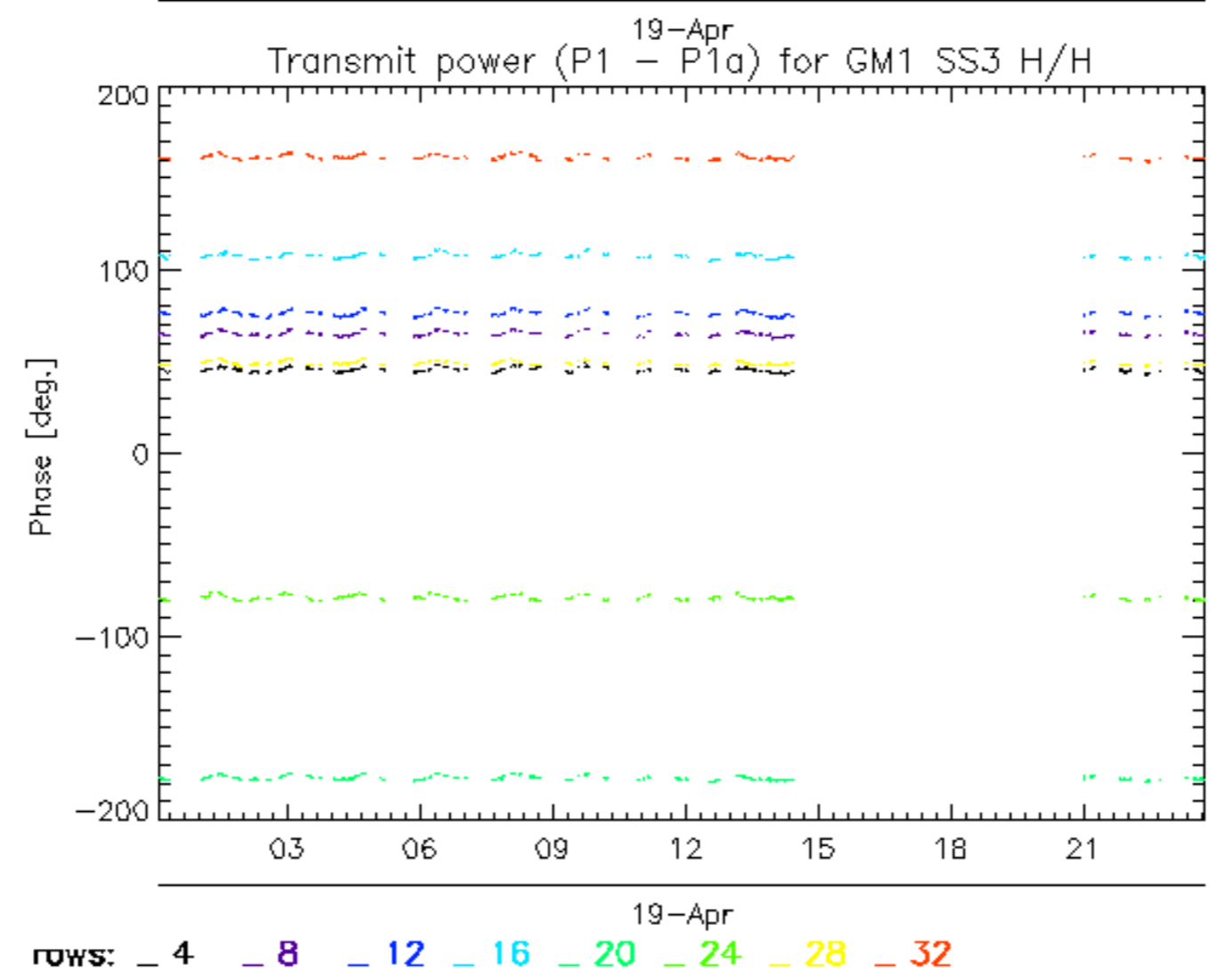
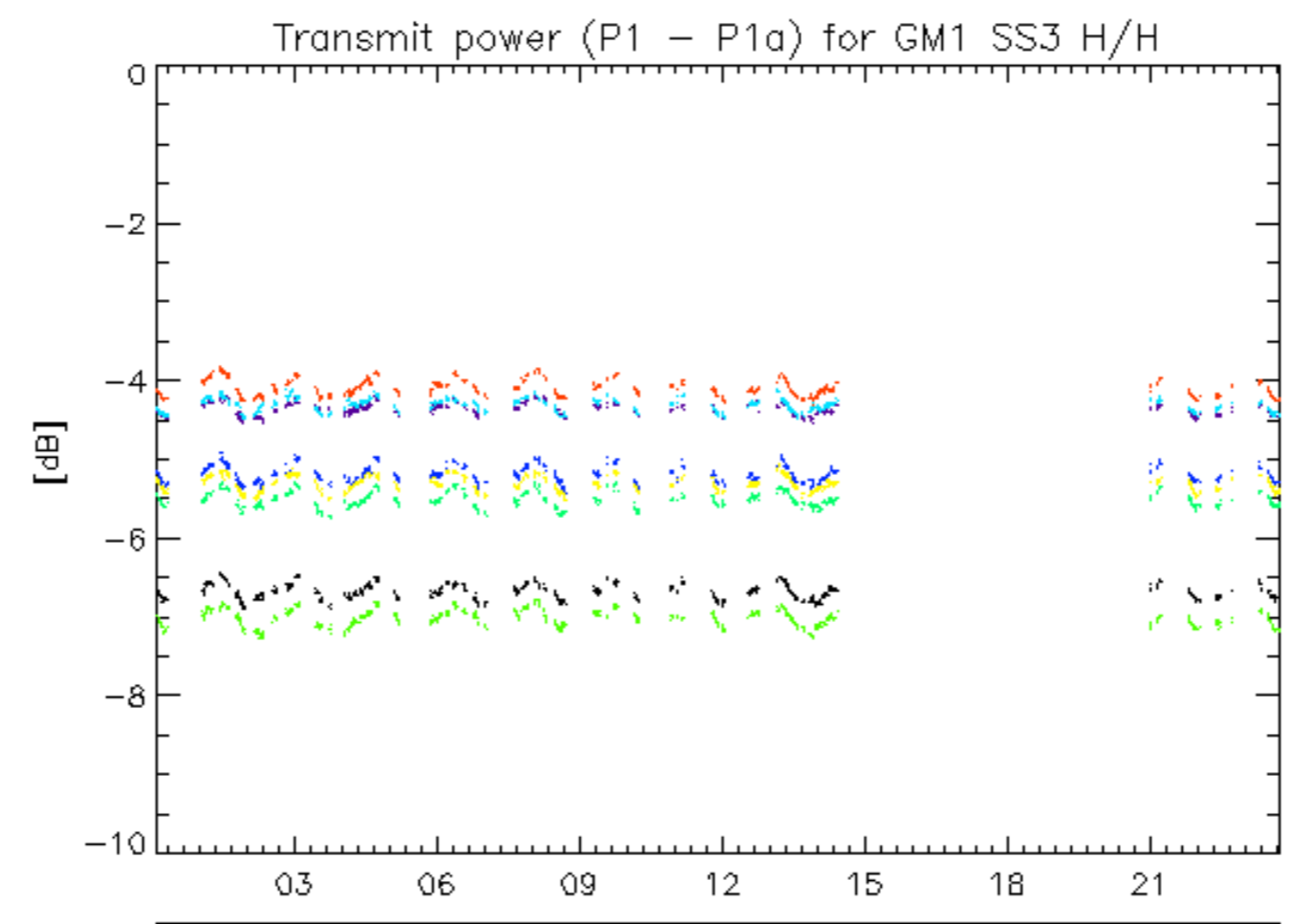


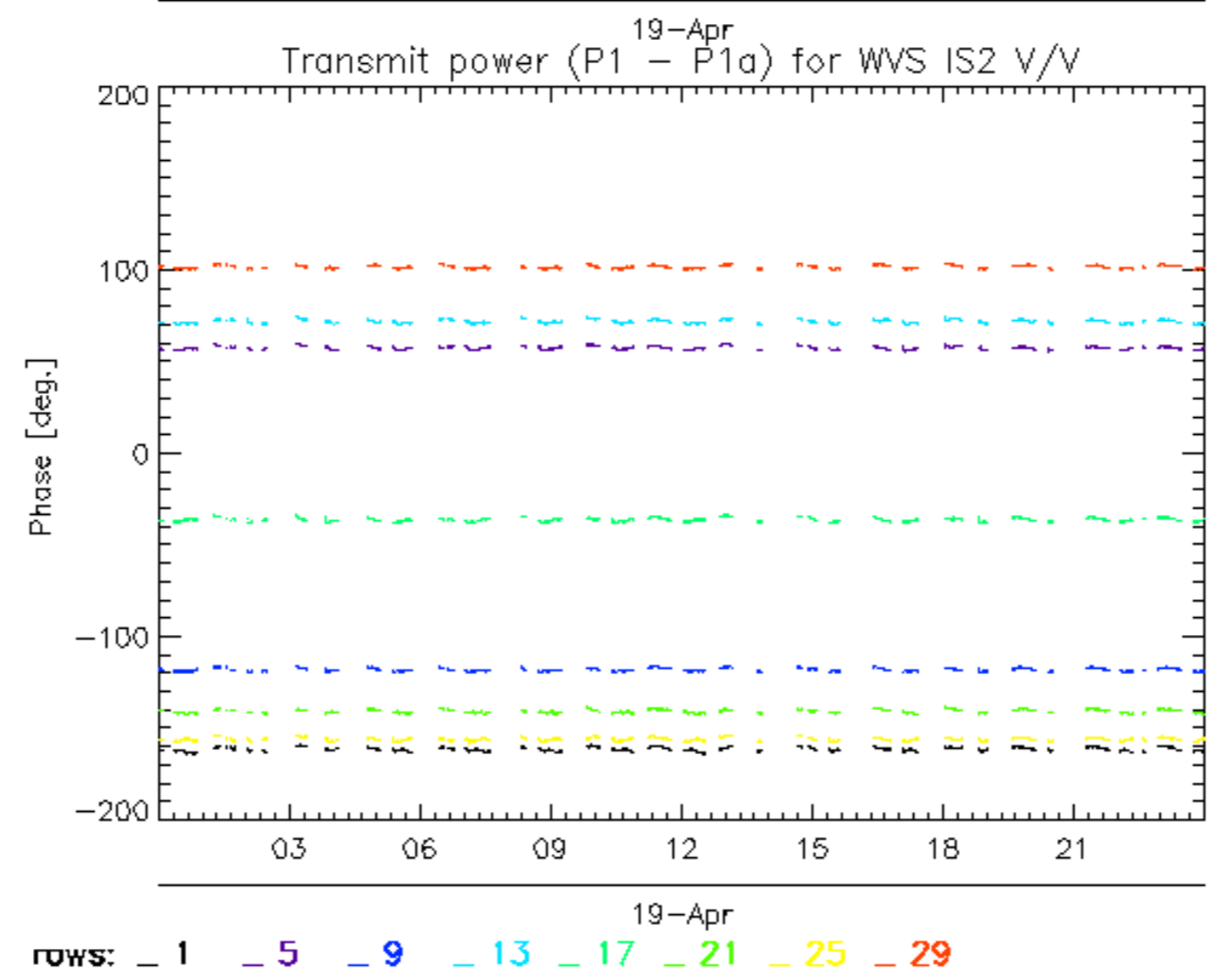
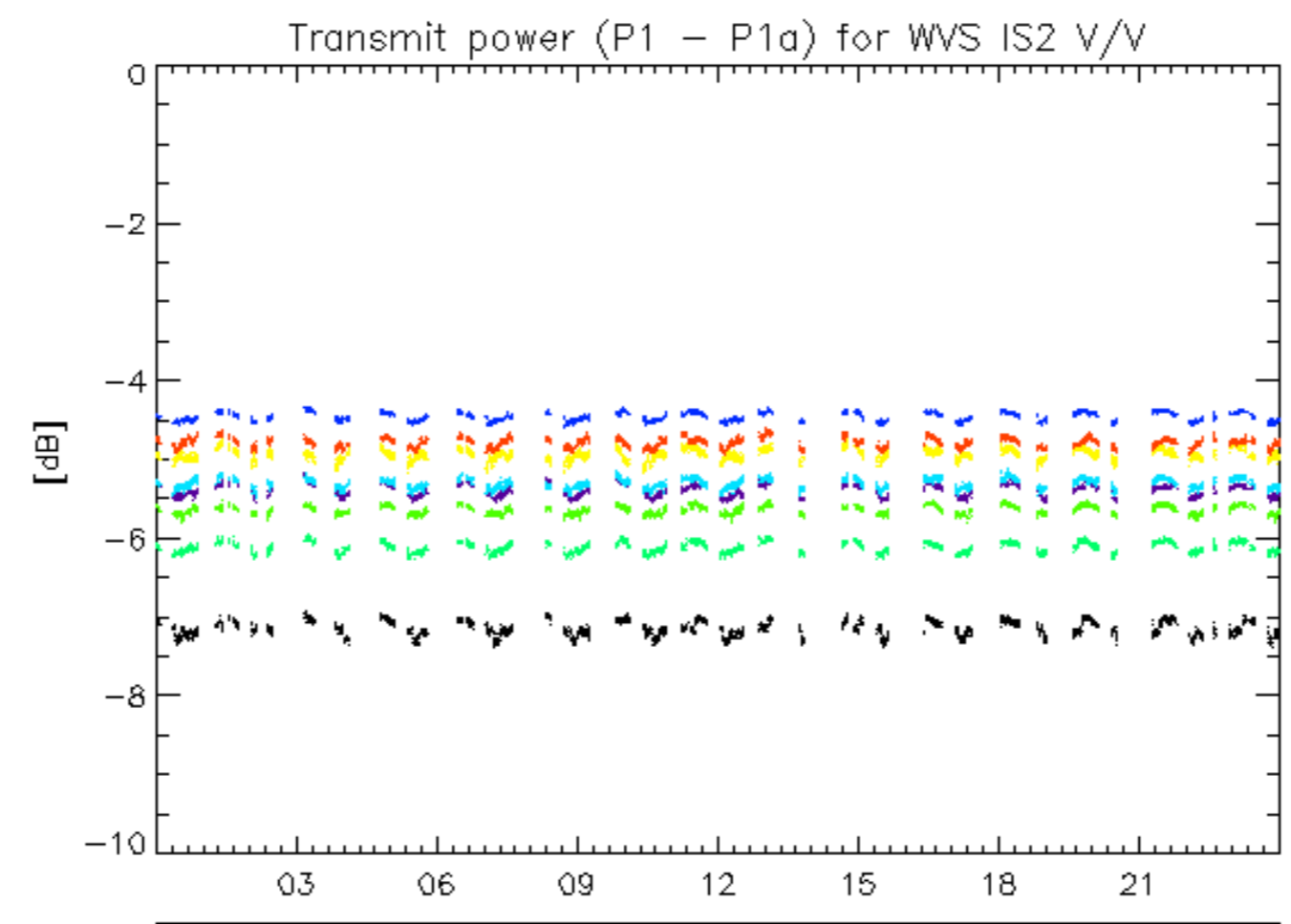


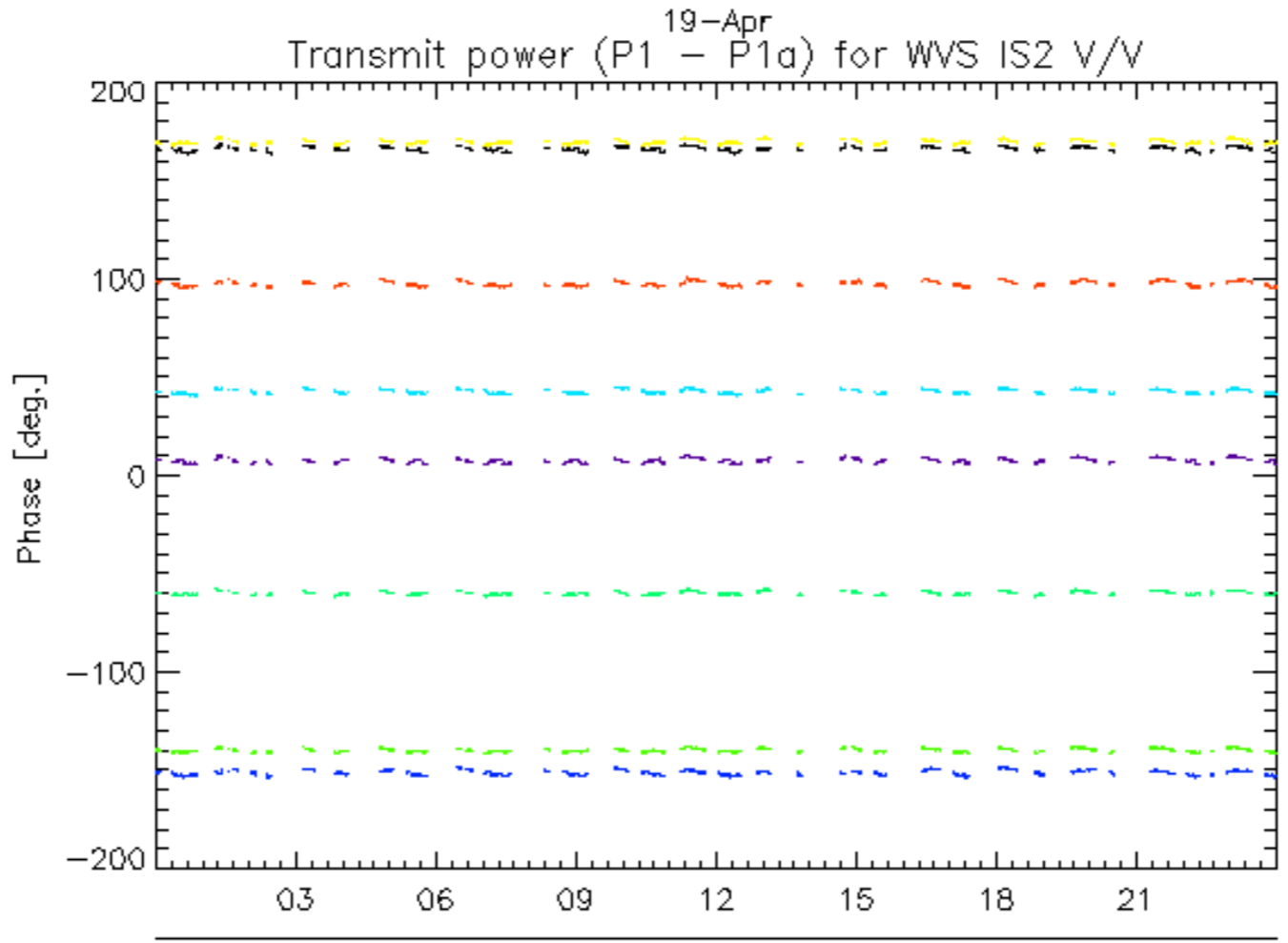
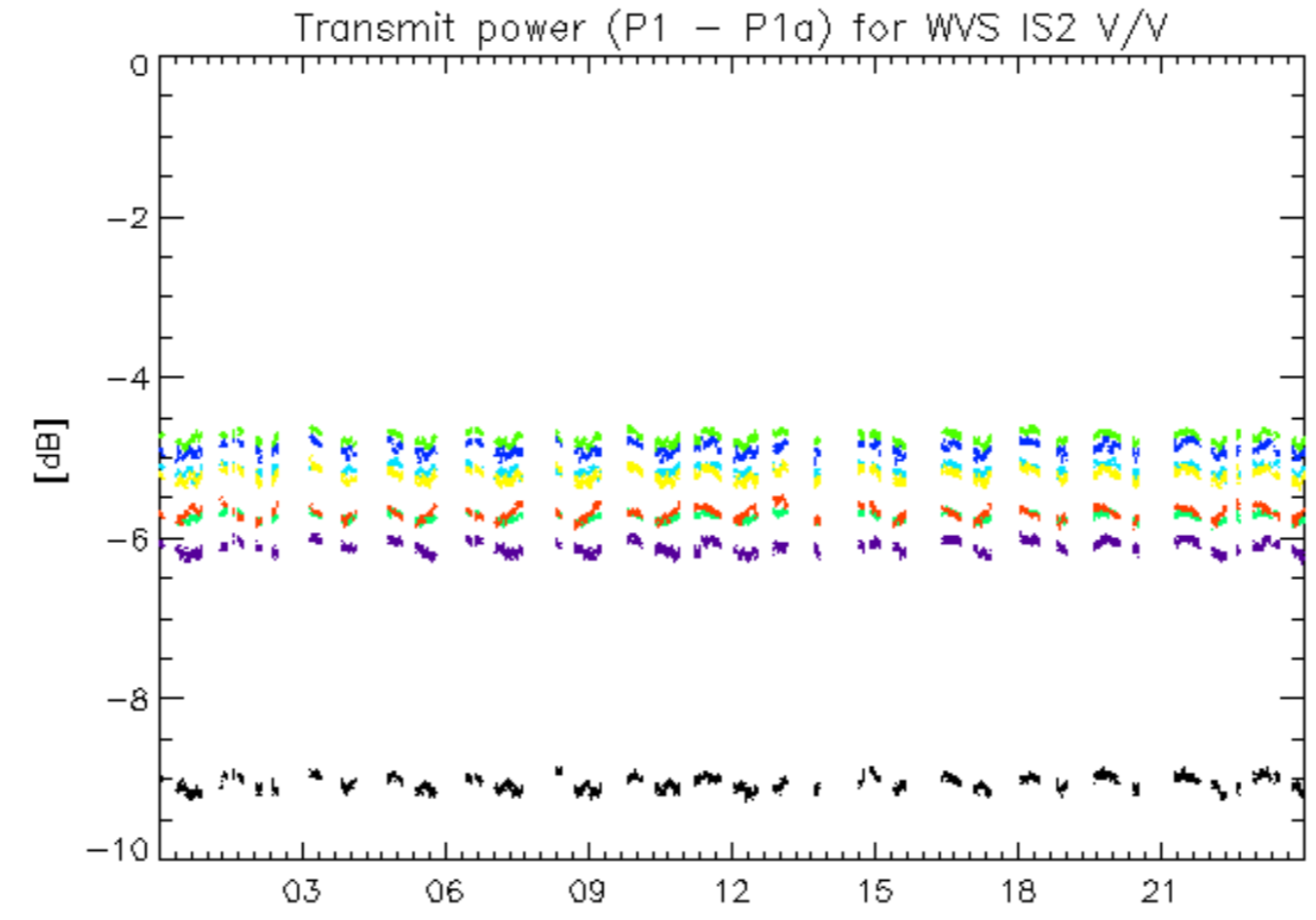
19-Apr
rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30



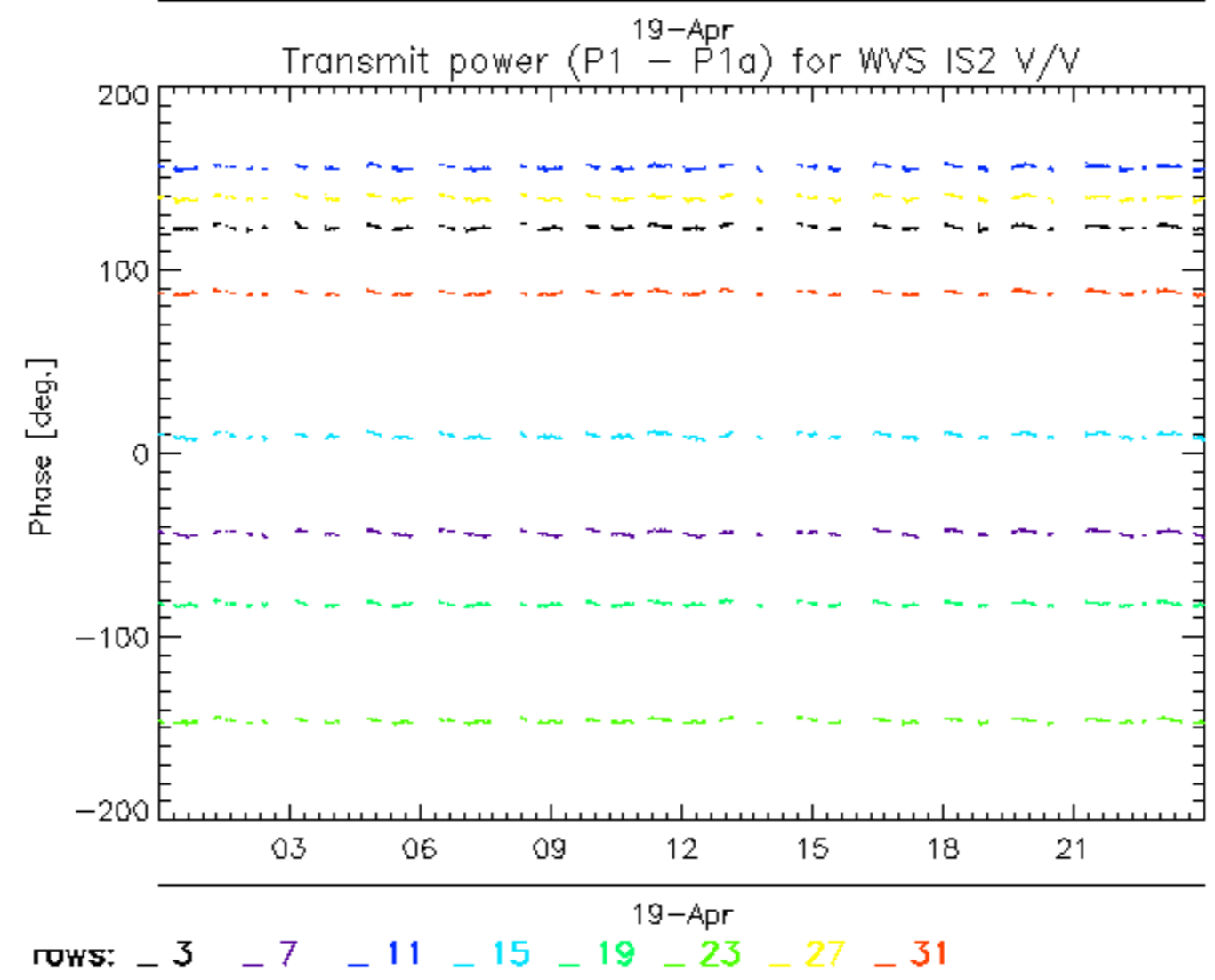
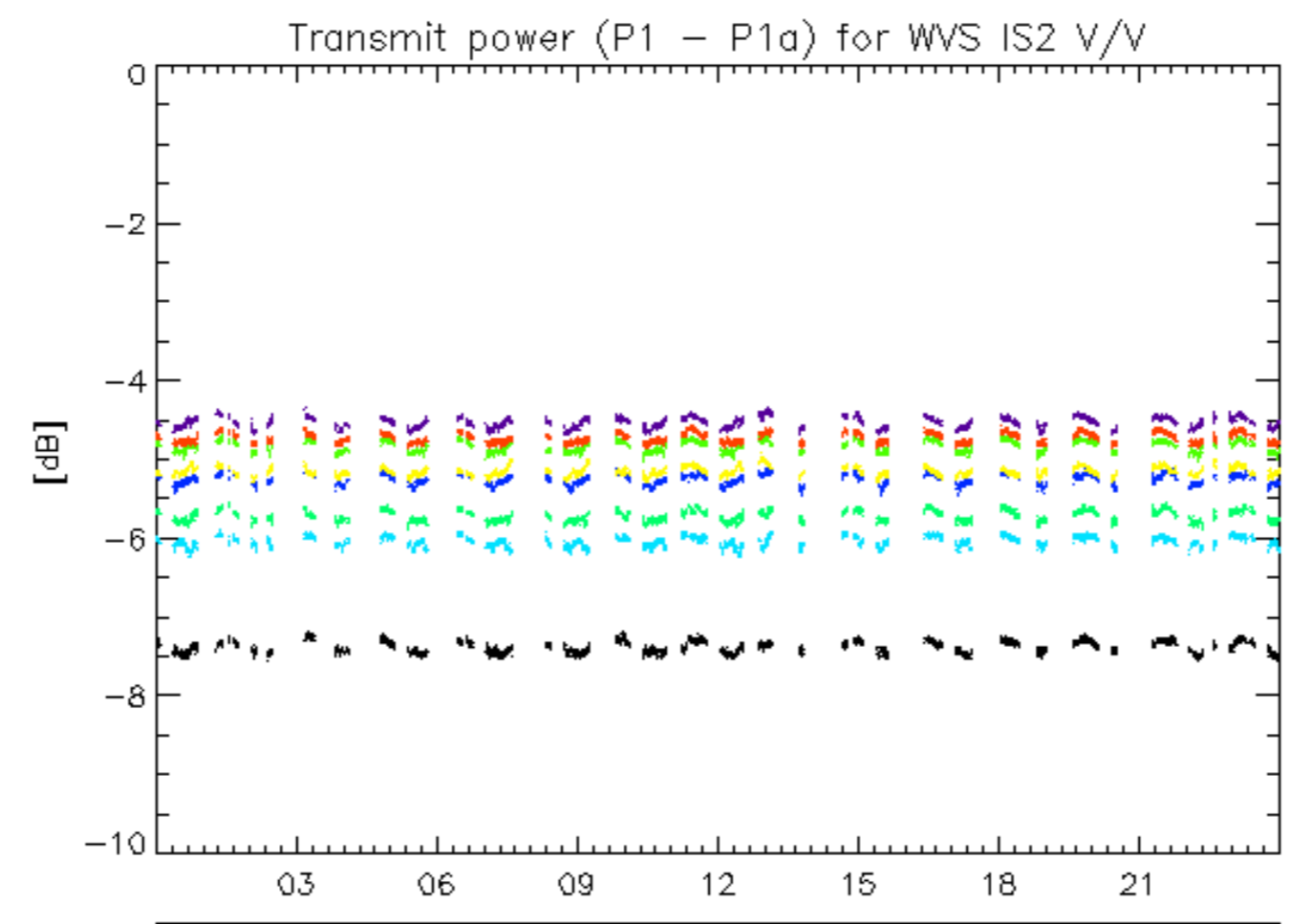
19-Apr
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

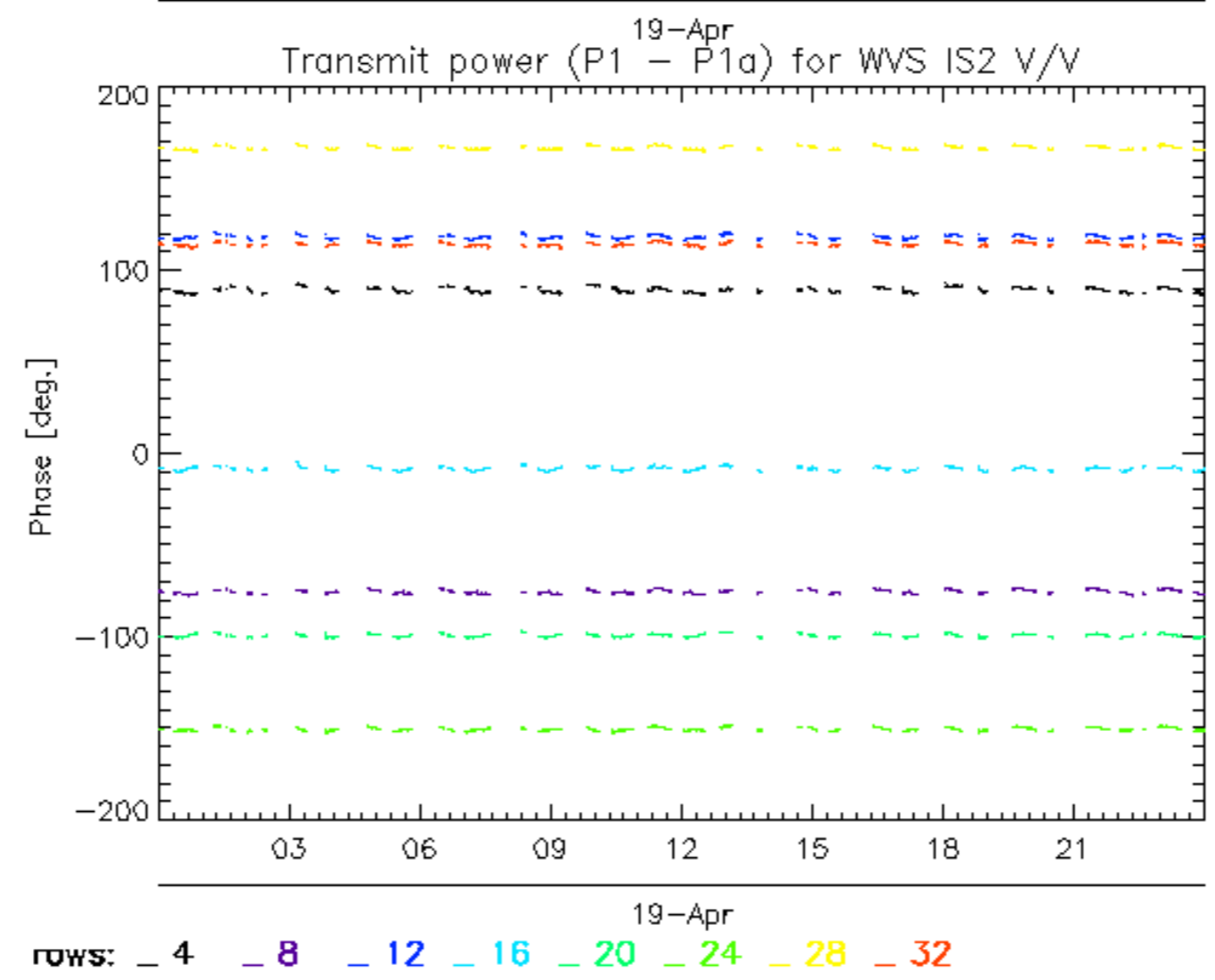
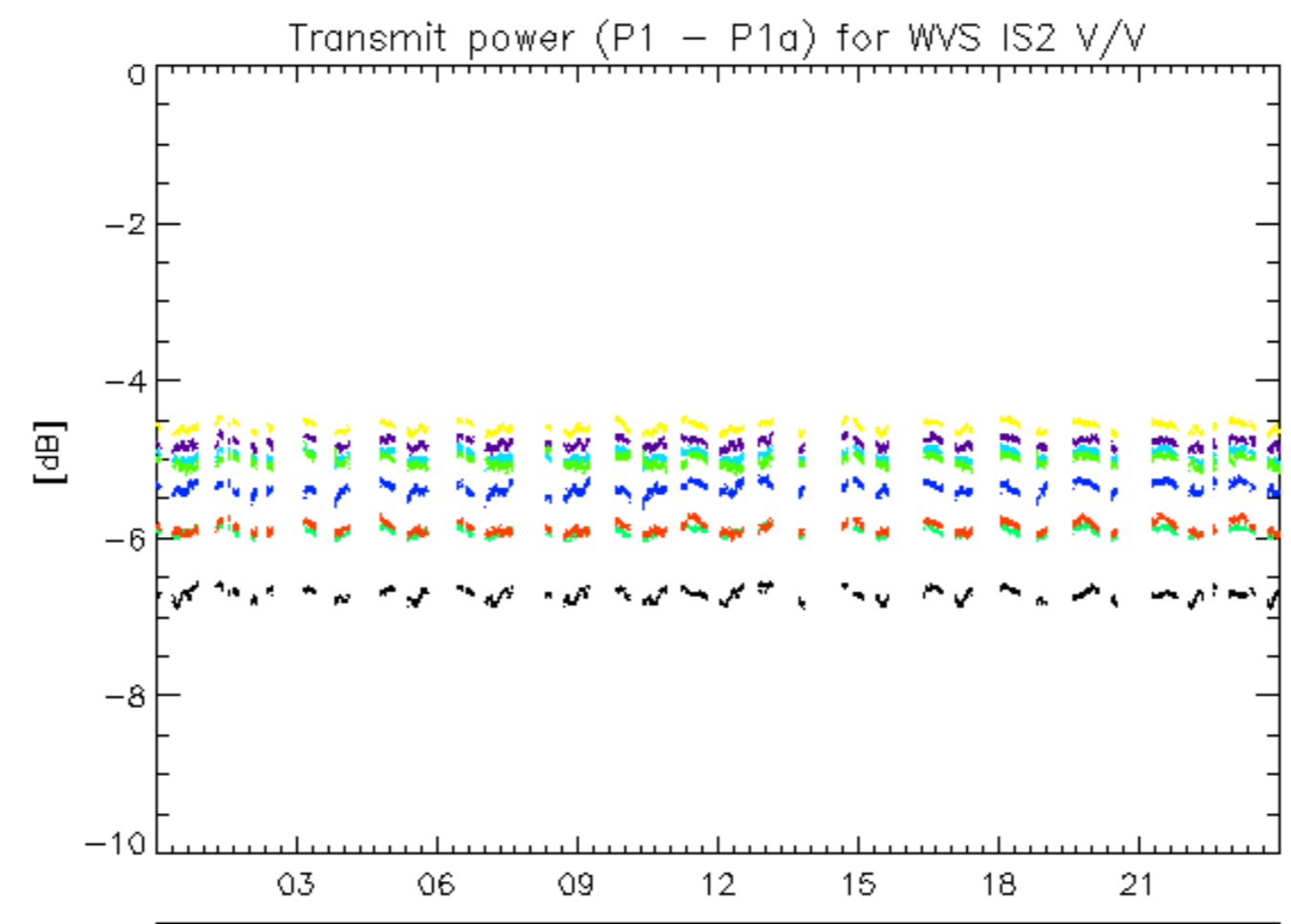


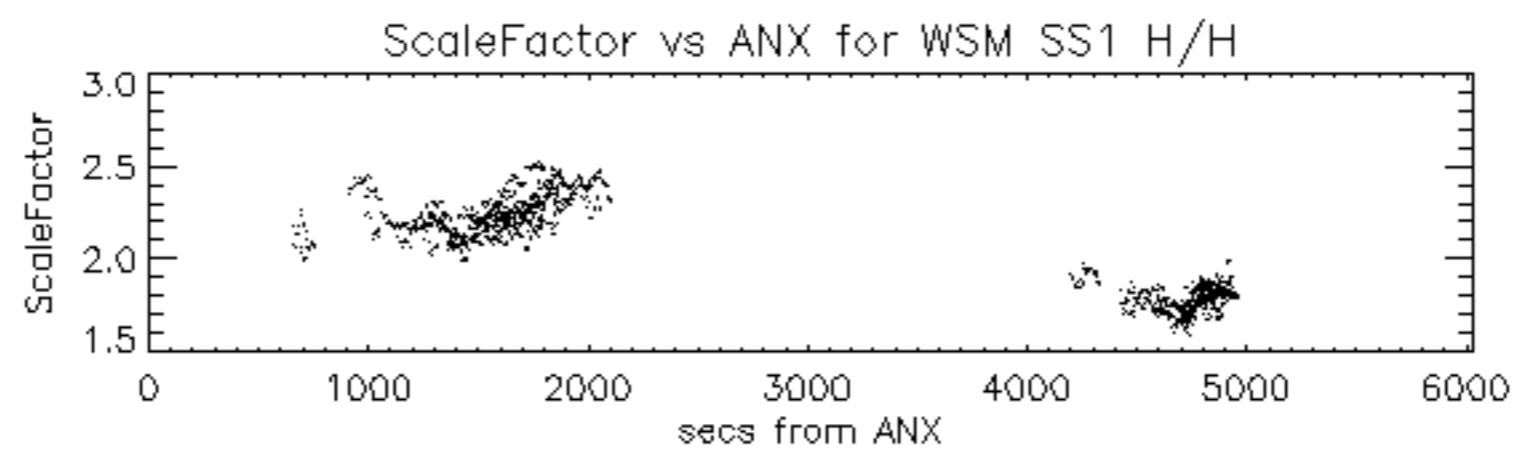


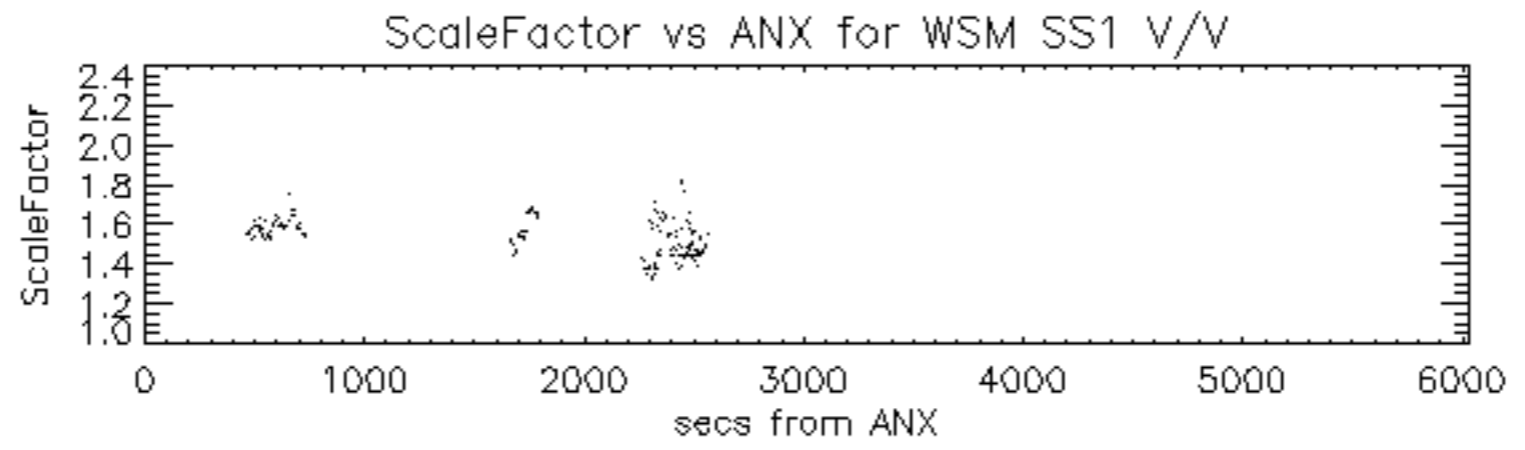


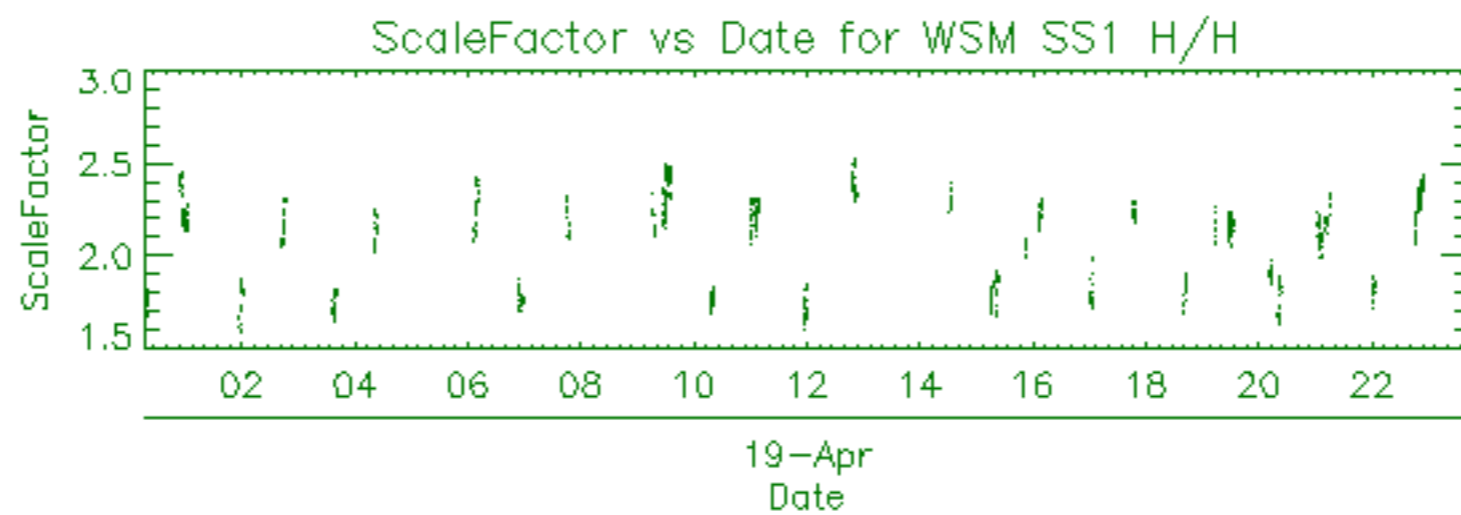
19-Apr
rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

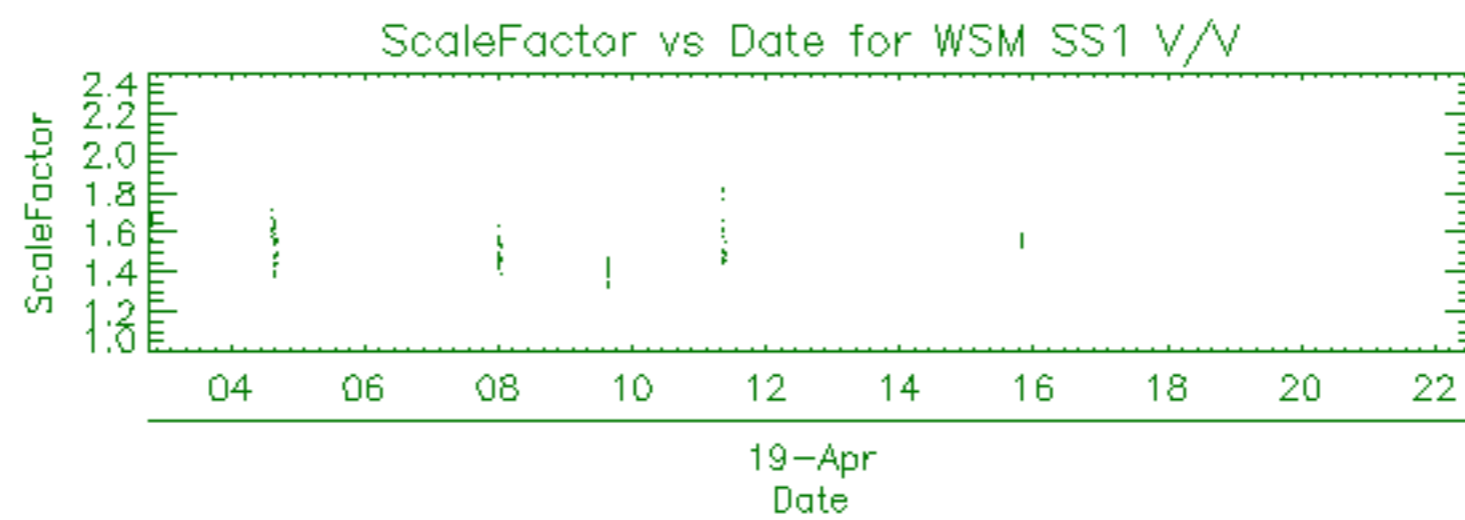












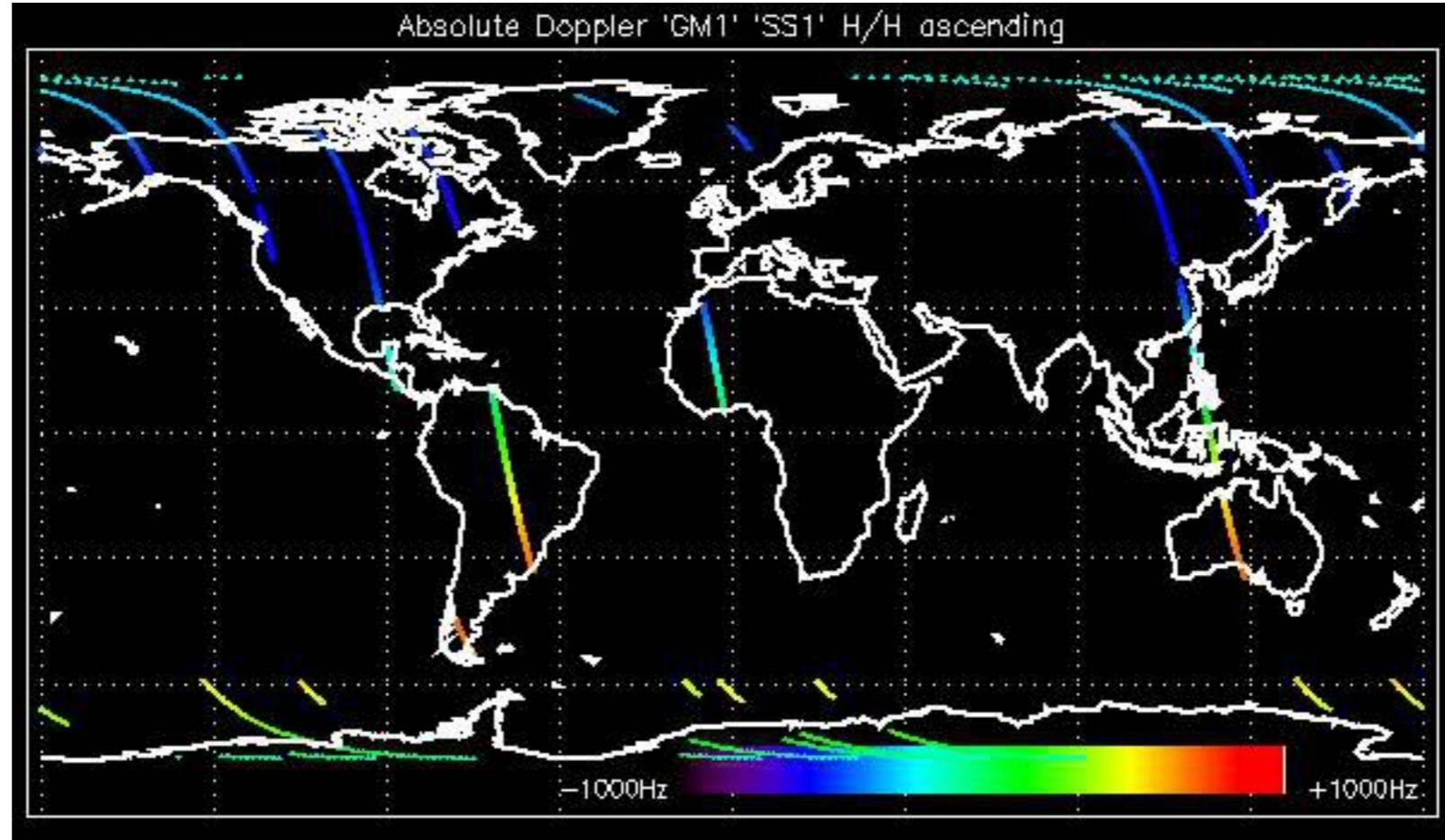
| Filename | Beam | Pol | CycleNumber | absOrbit | relOrbit | procVersion | | | | | |
|--|------|-----|-------------|----------|----------|-------------|-----|-----|-------|-----|------|
| ASA_APM_1PNPDE20110419_013756_000000423101_00333_47761_3798.N1 | | | | | | IS2 | H/H | 101 | 47761 | 333 | 5.04 |
| ASA_APM_1PNPDE20110419_023122_000000433101_00334_47762_3822.N1 | | | | | | IS6 | H/H | 101 | 47762 | 334 | 5.04 |
| ASA_APM_1PNPDE20110419_030602_000002313101_00334_47762_3820.N1 | | | | | | IS4 | V/V | 101 | 47762 | 334 | 5.04 |
| ASA_APM_1PNPDE20110419_055422_000000413101_00336_47764_3868.N1 | | | | | | IS5 | H/H | 101 | 47764 | 336 | 5.04 |
| ASA_APM_1PNPDE20110419_162538_000000423101_00342_47770_3979.N1 | | | | | | IS4 | V/H | 101 | 47770 | 342 | 5.04 |
| ASA_APM_1PNPDE20110419_175457_000000623101_00343_47771_3982.N1 | | | | | | IS4 | H/H | 101 | 47771 | 343 | 5.04 |

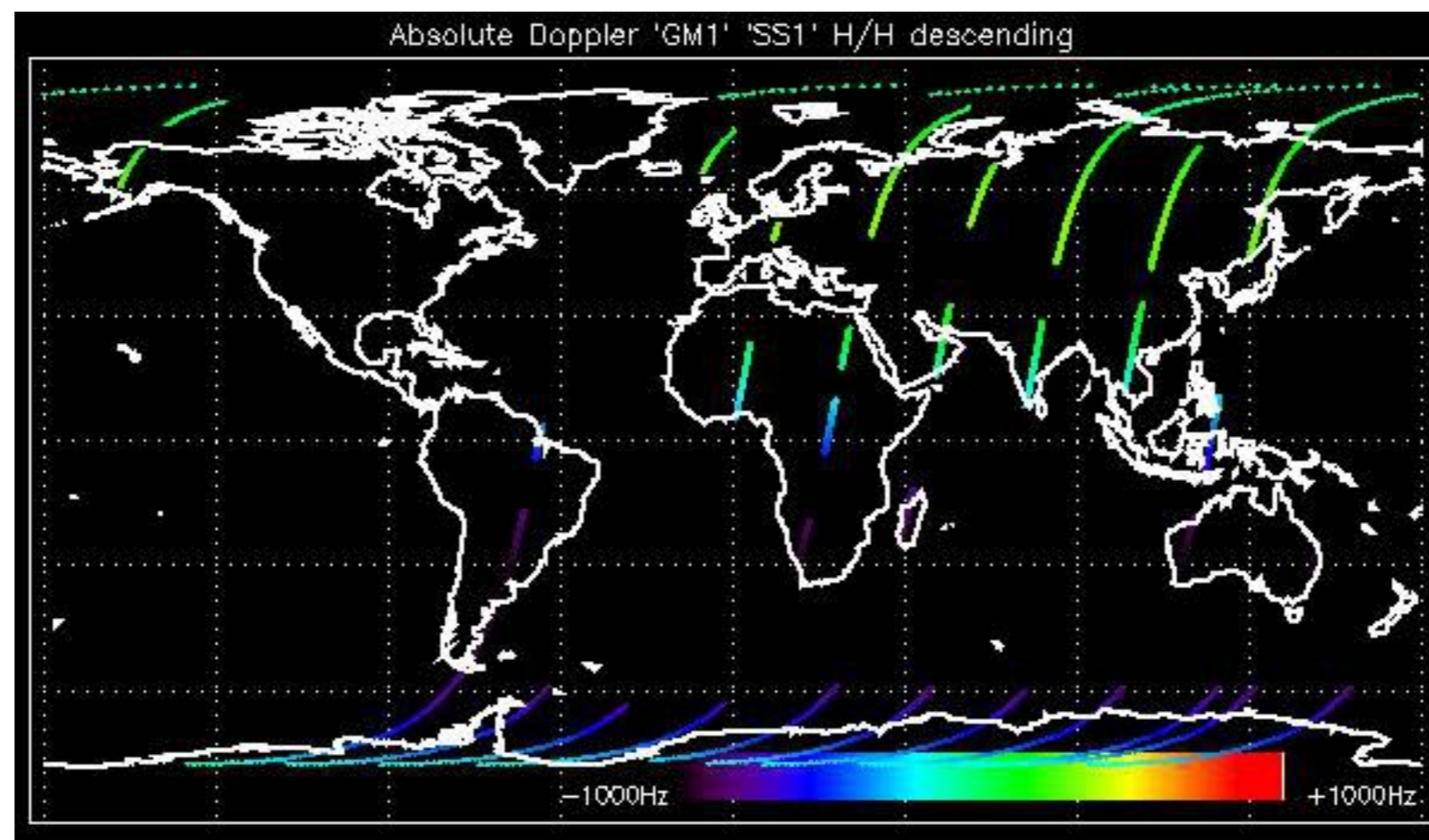
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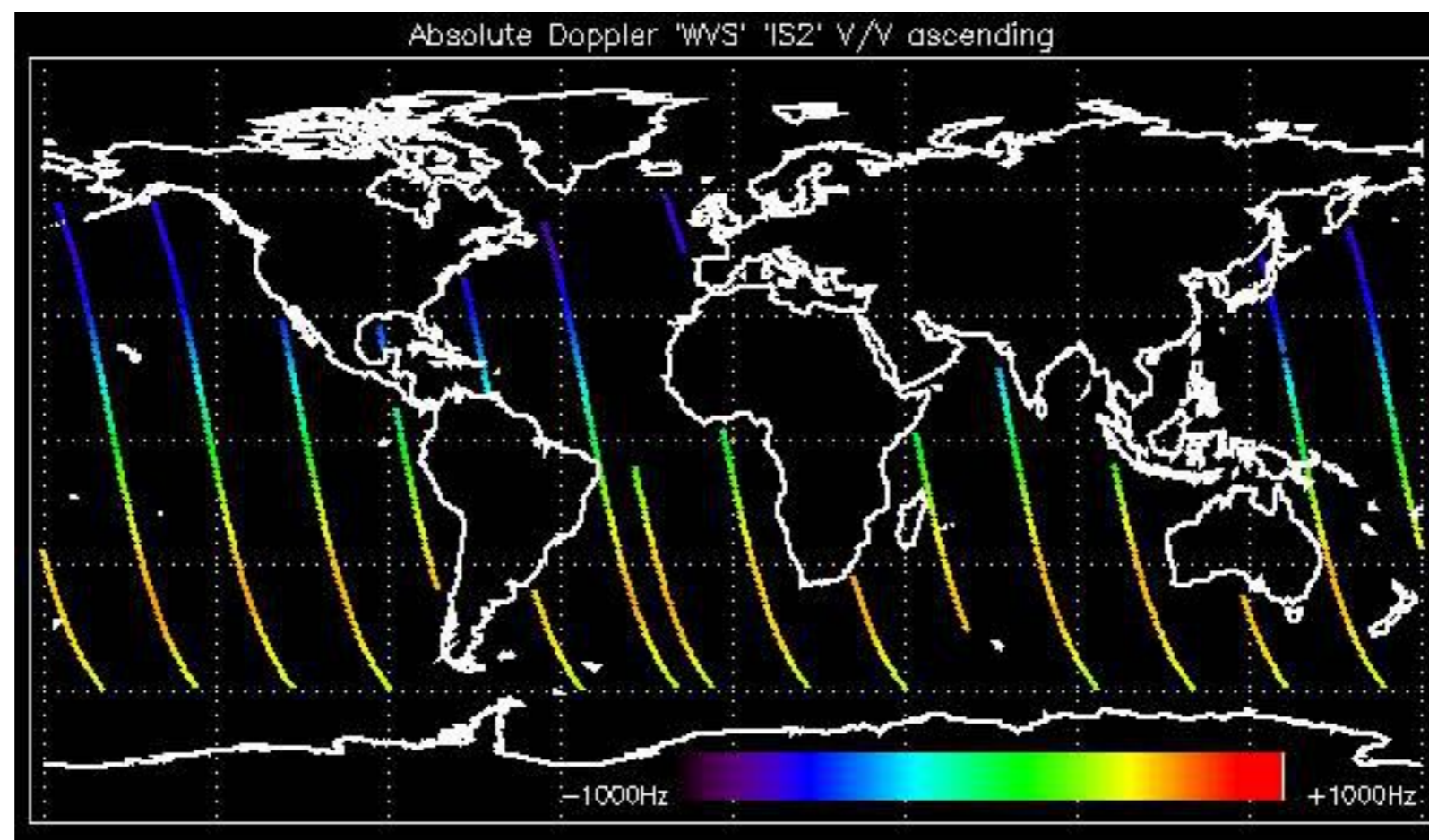
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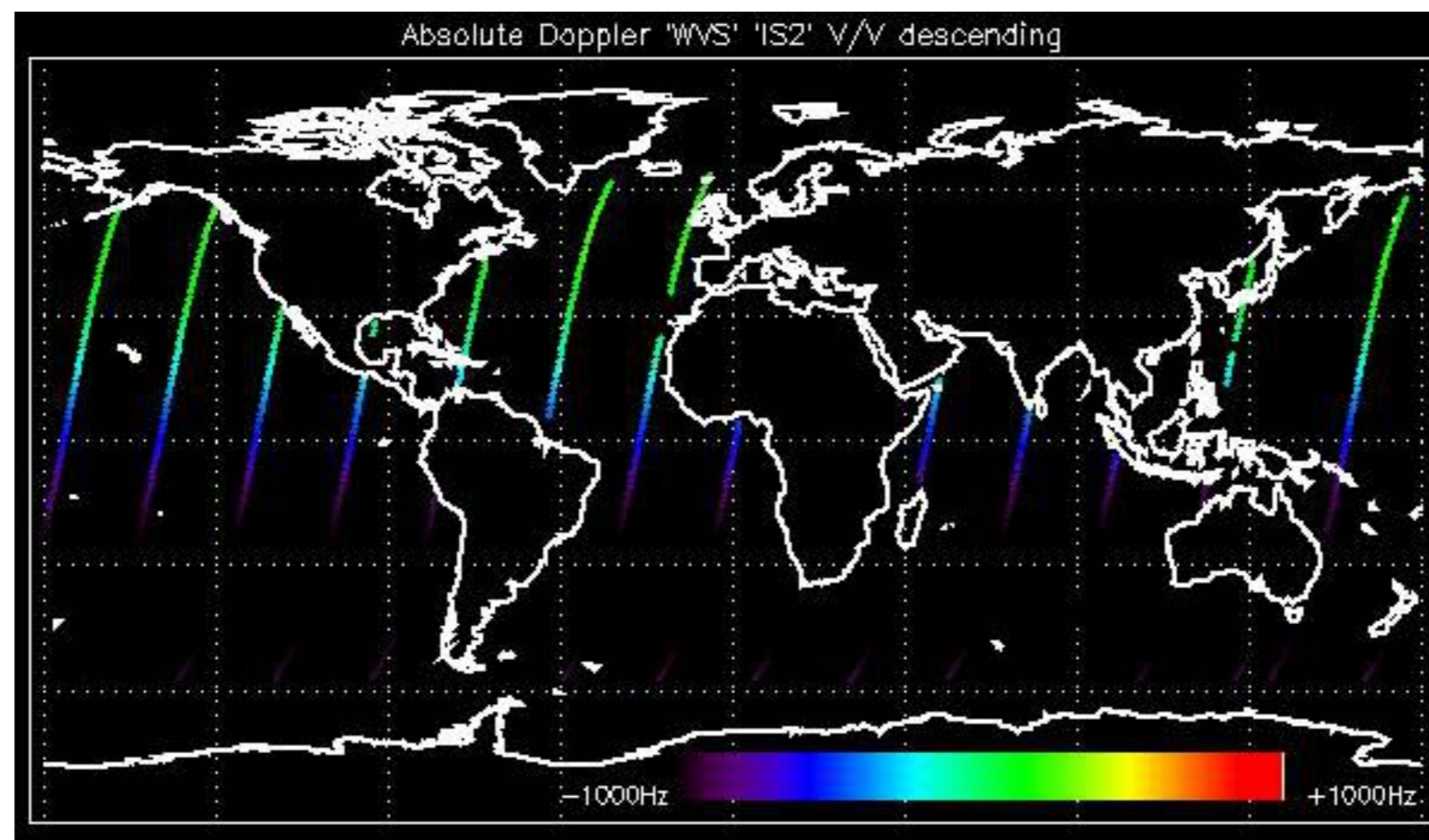
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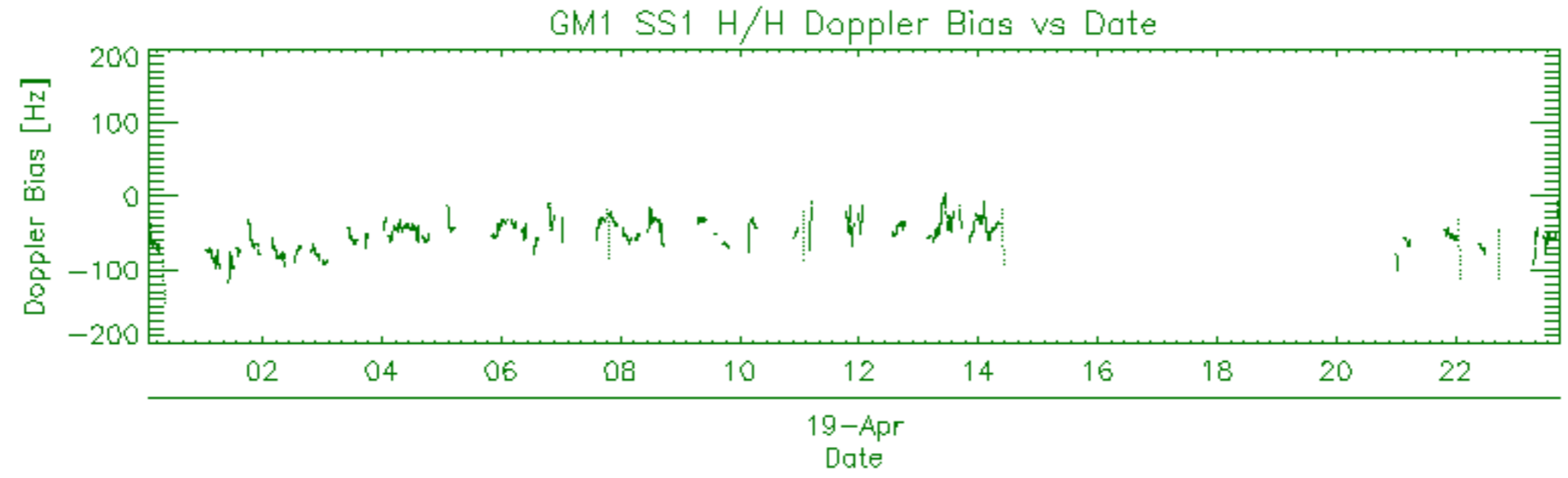
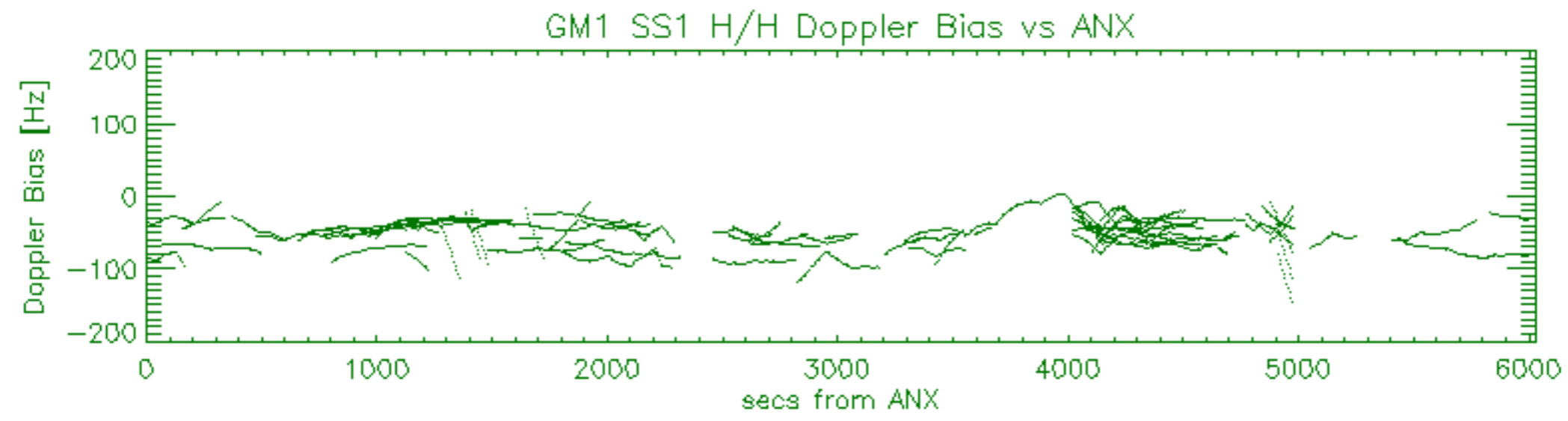
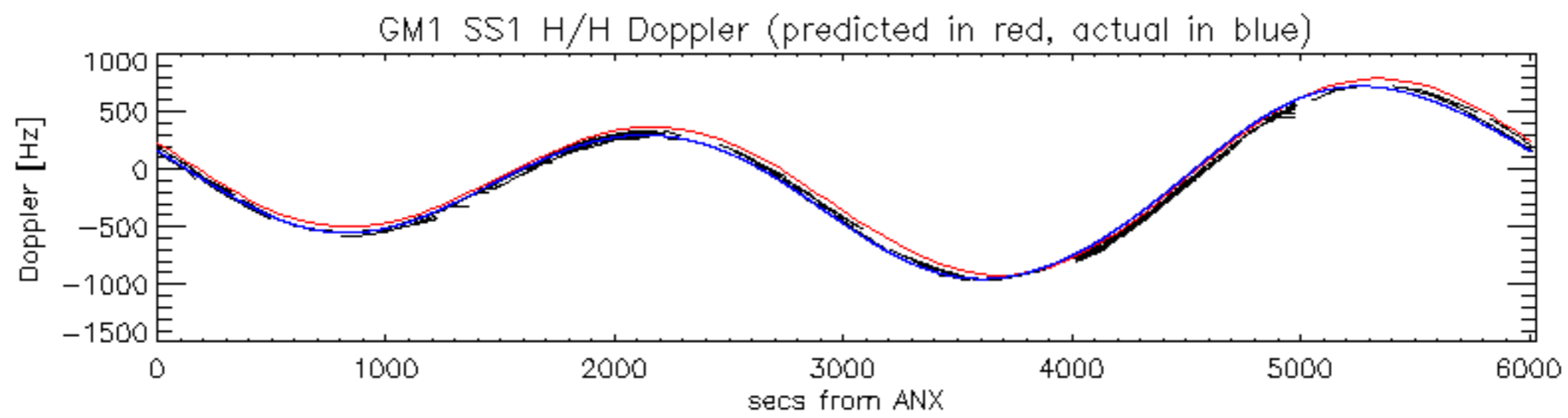
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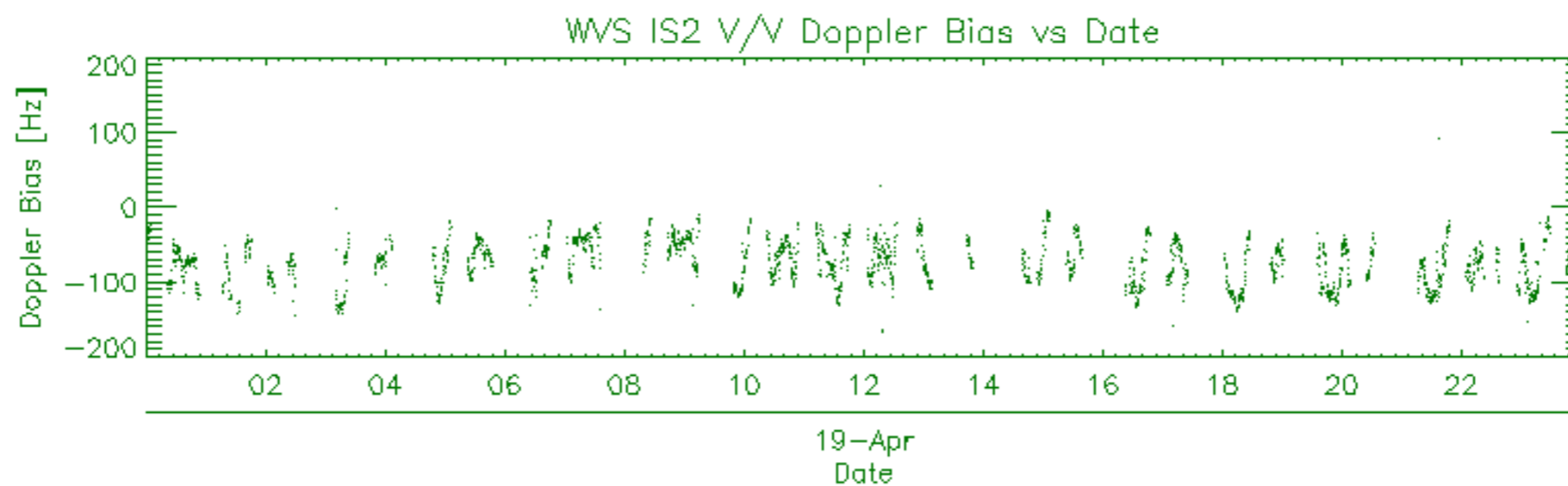
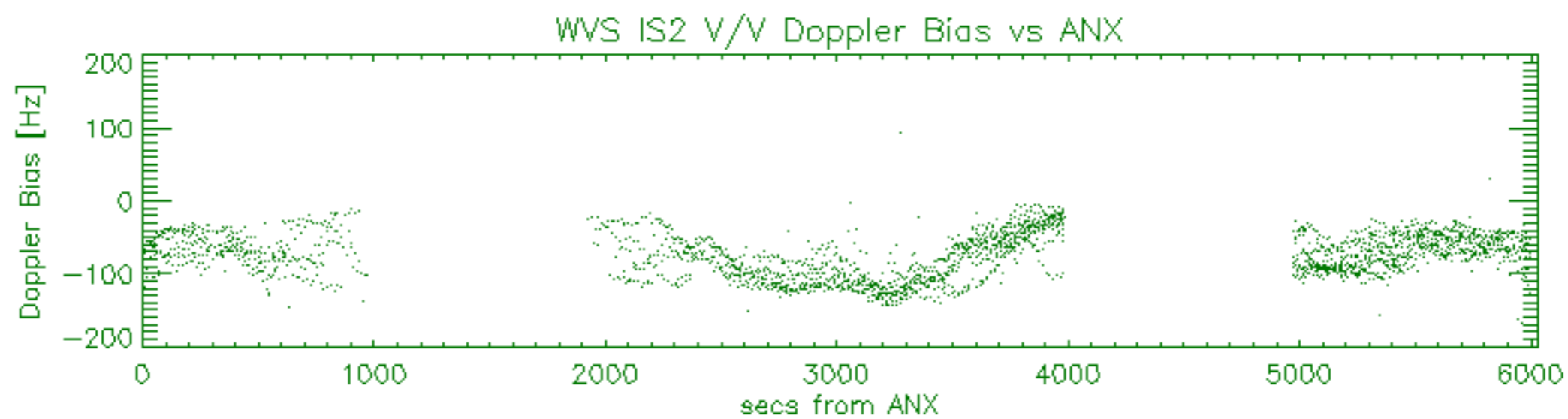
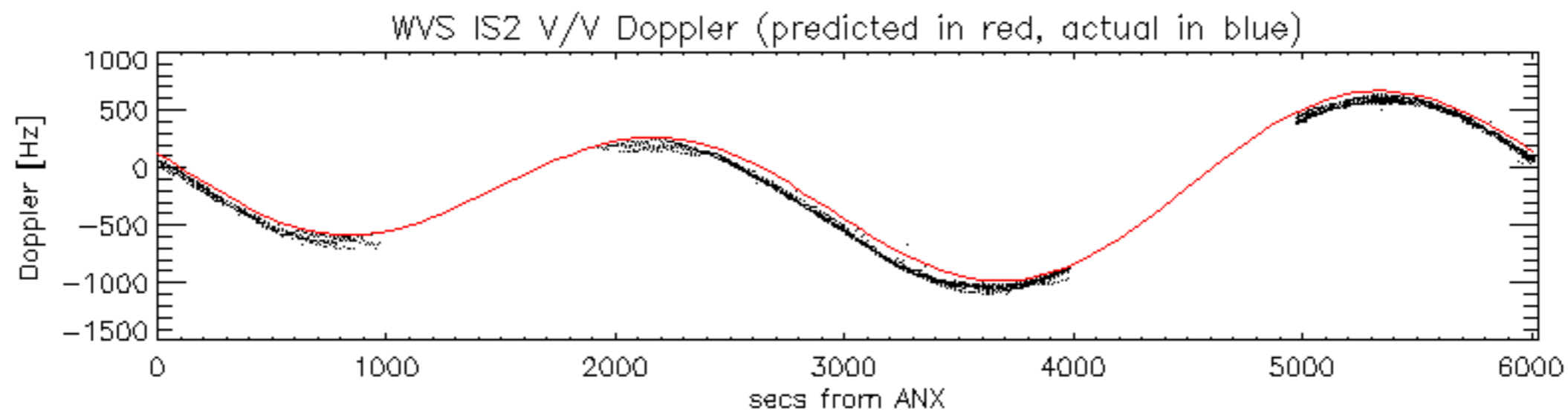


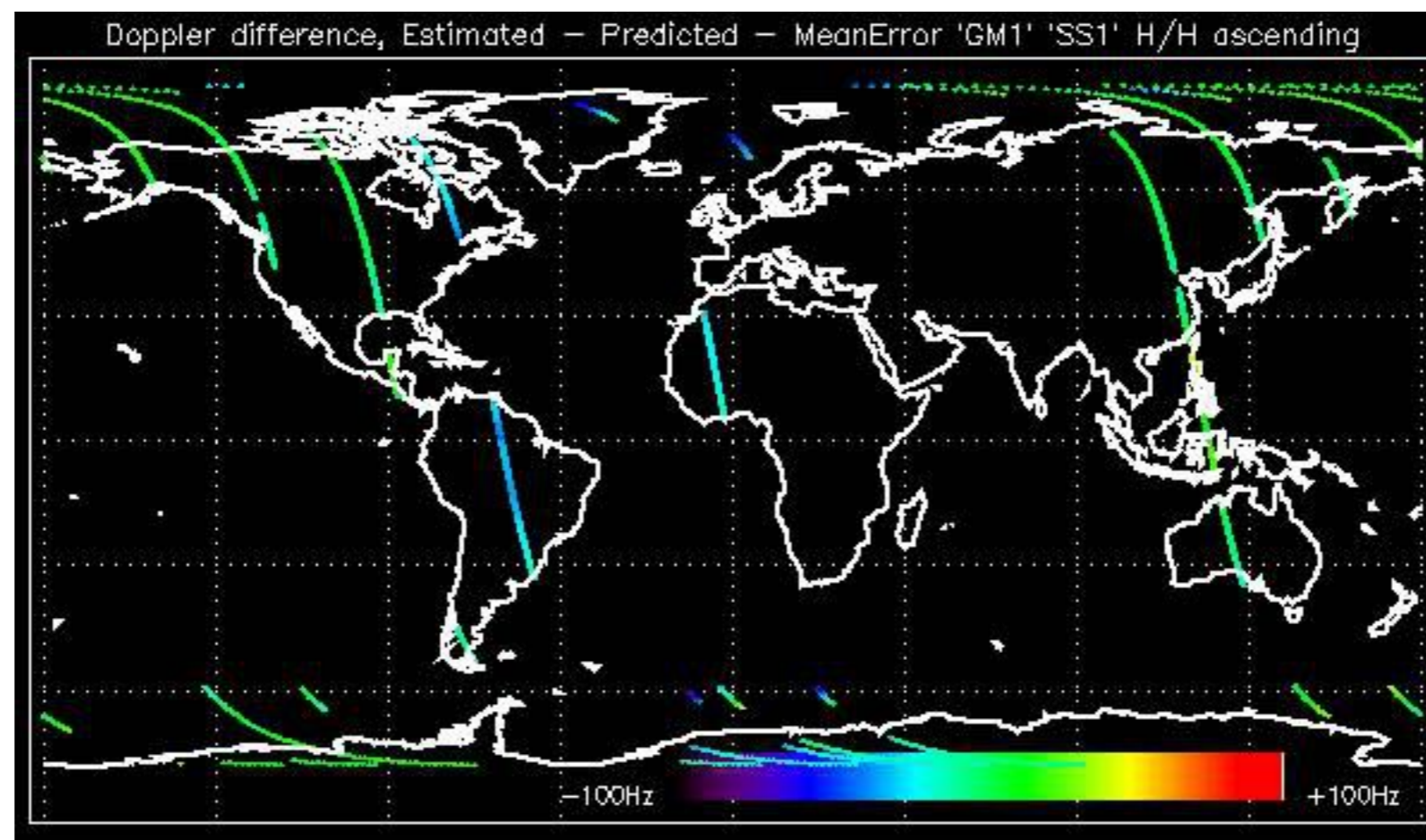


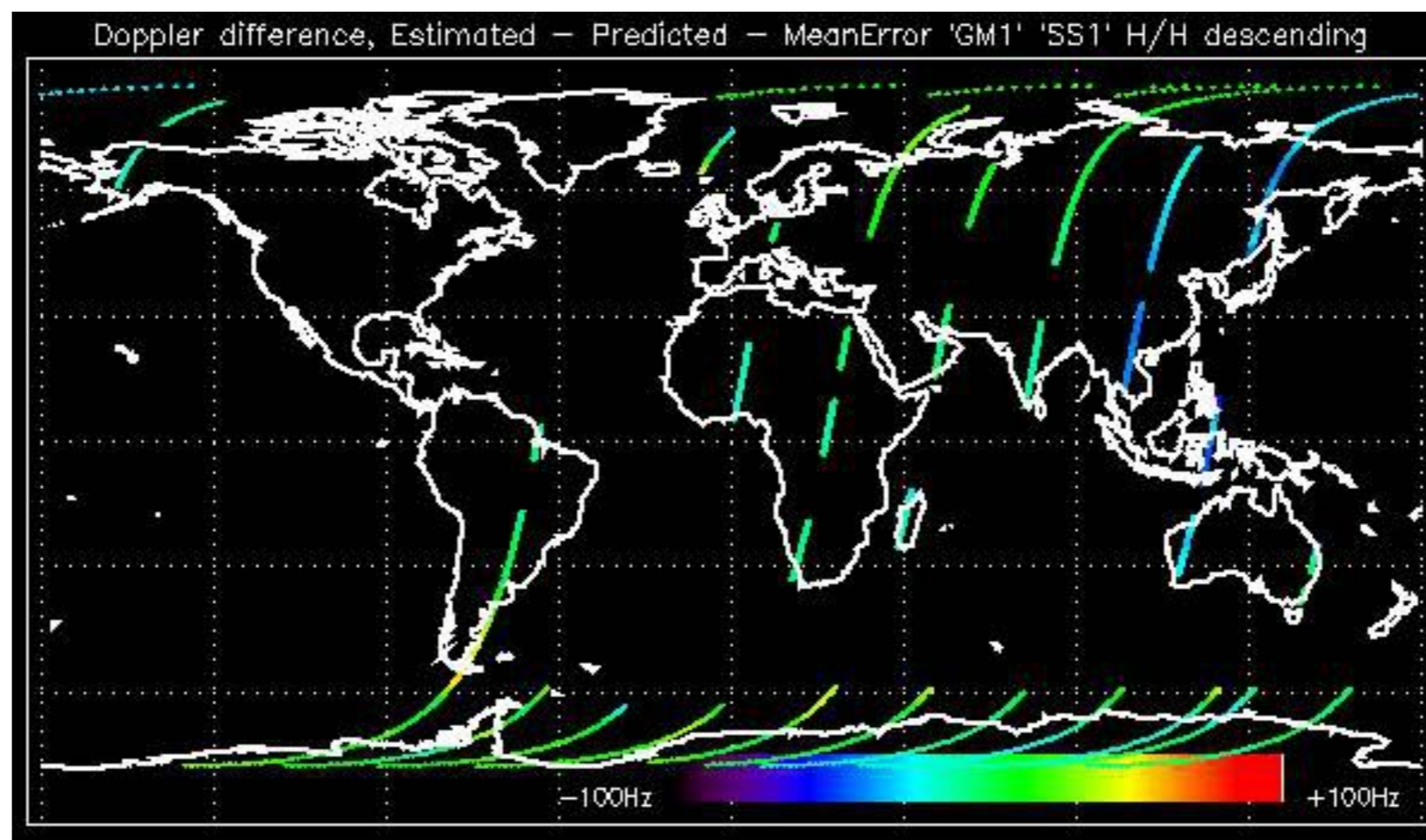


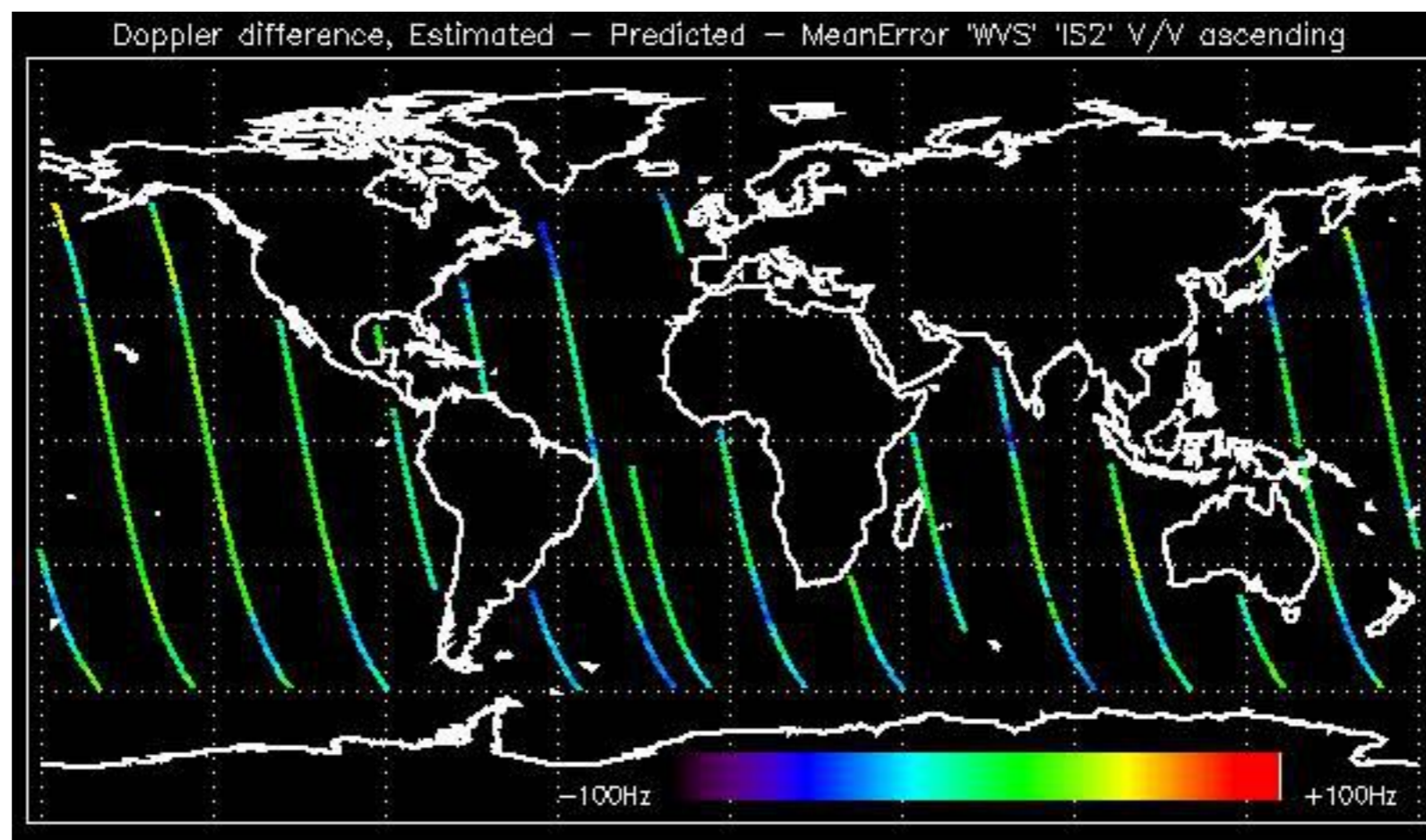


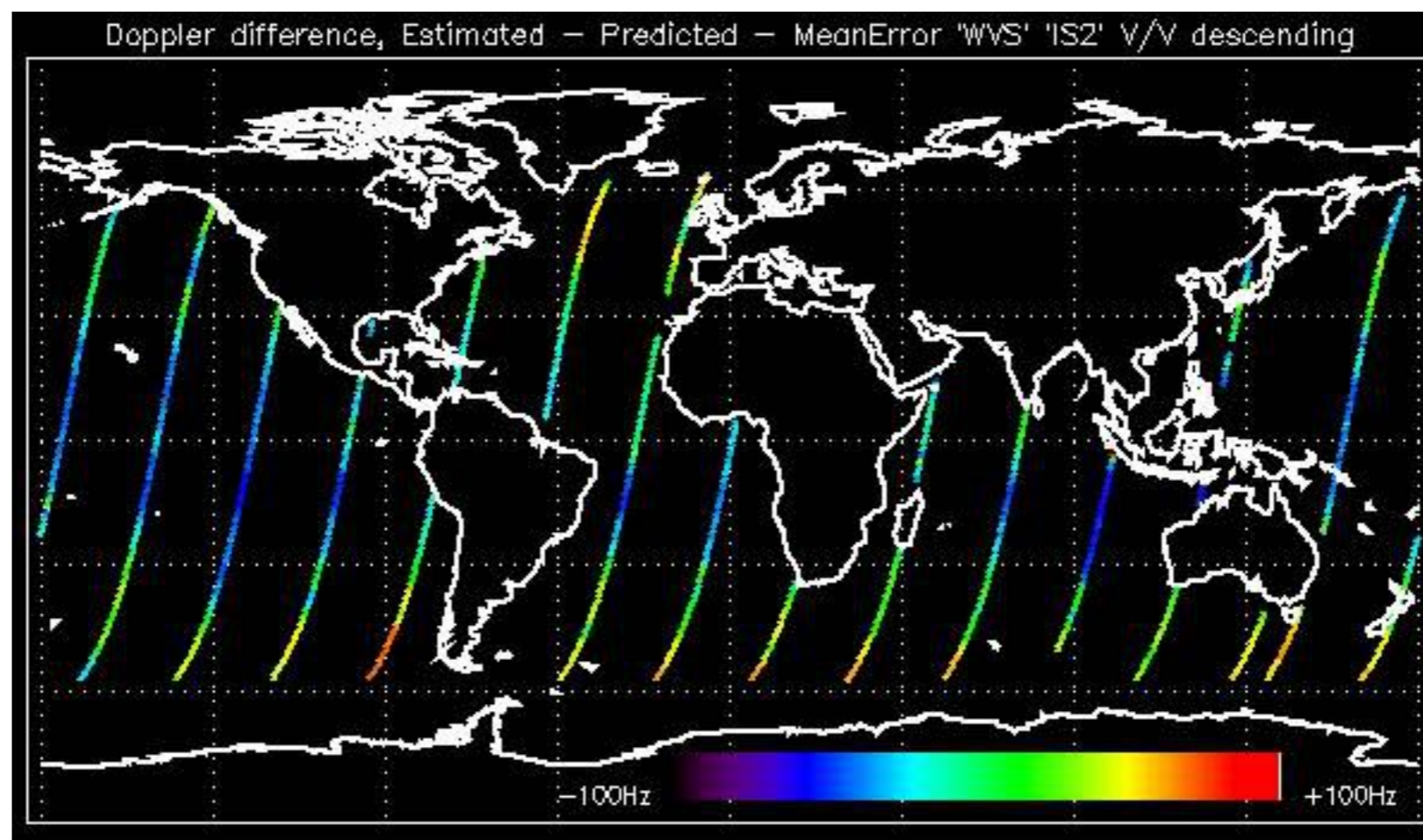


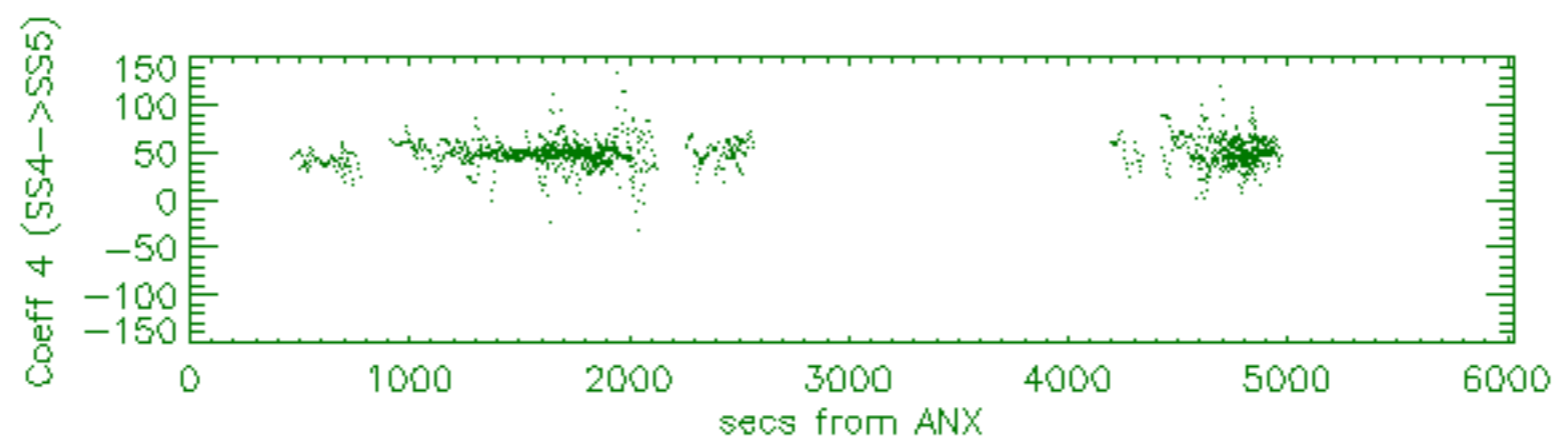
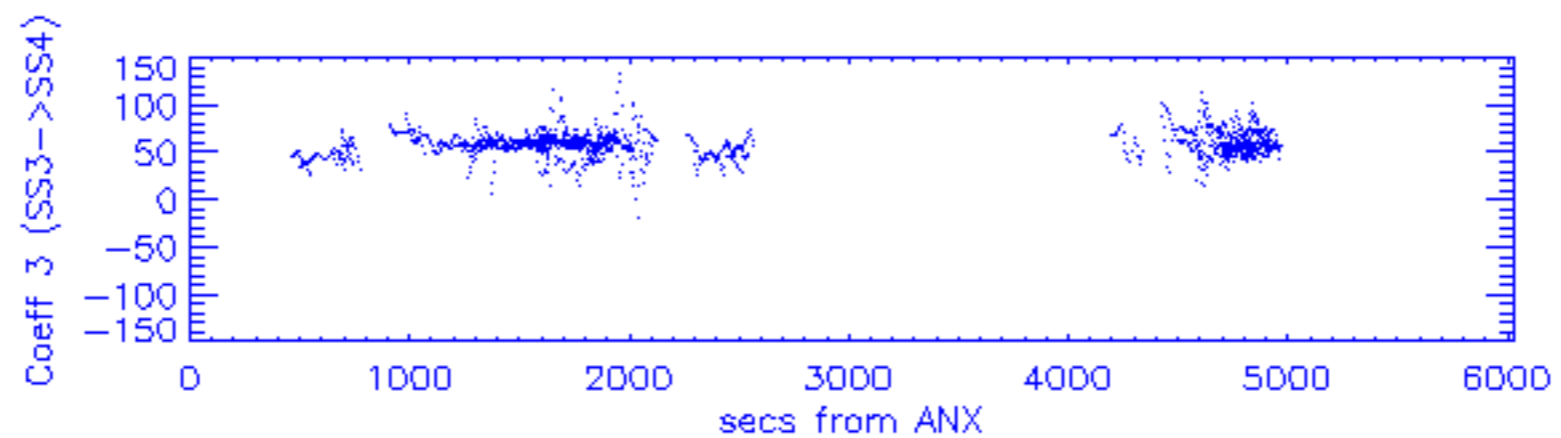
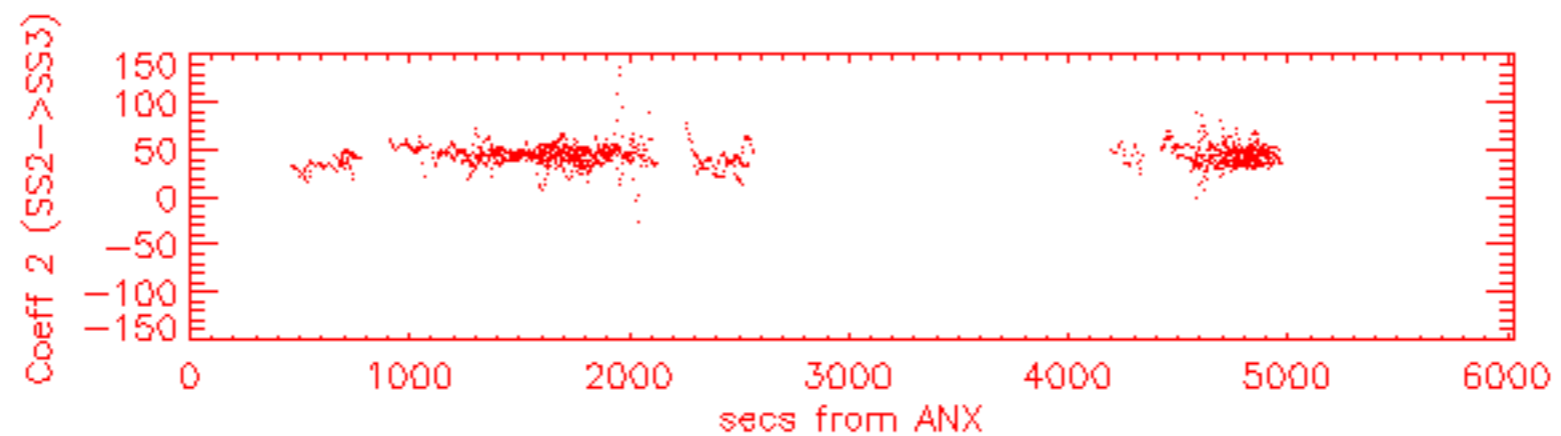
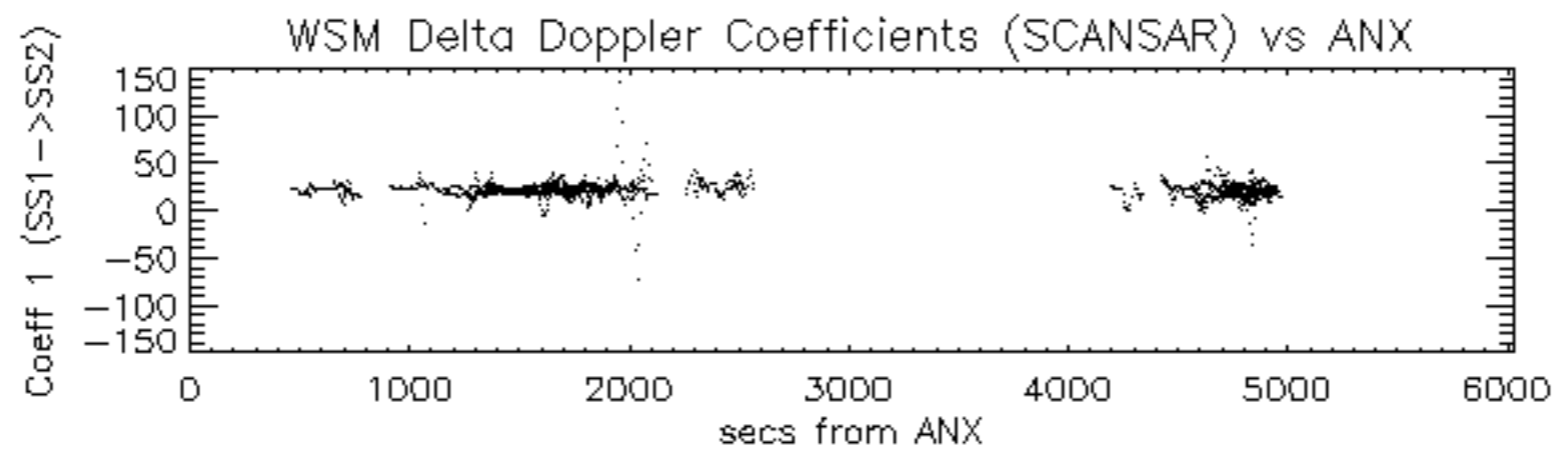


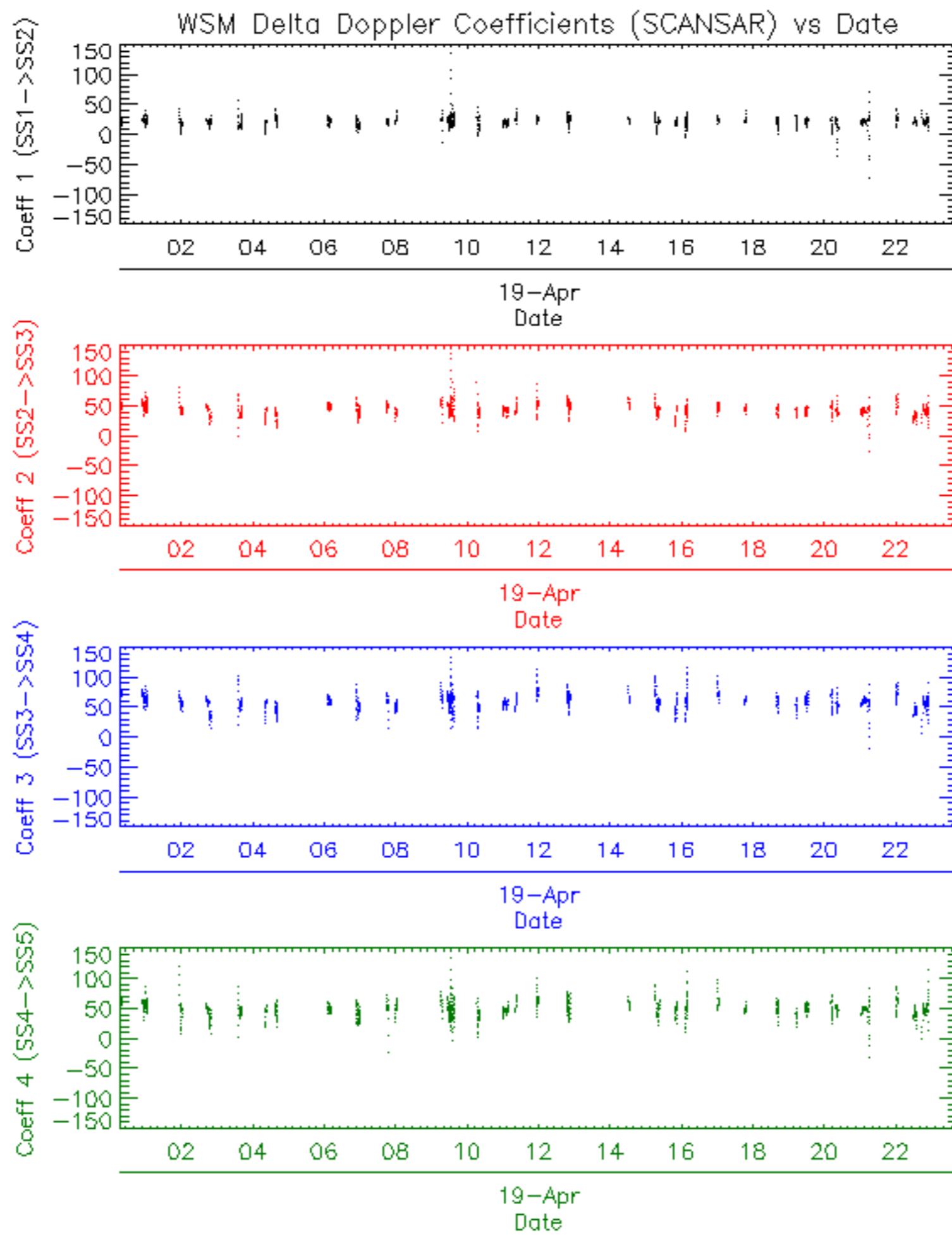


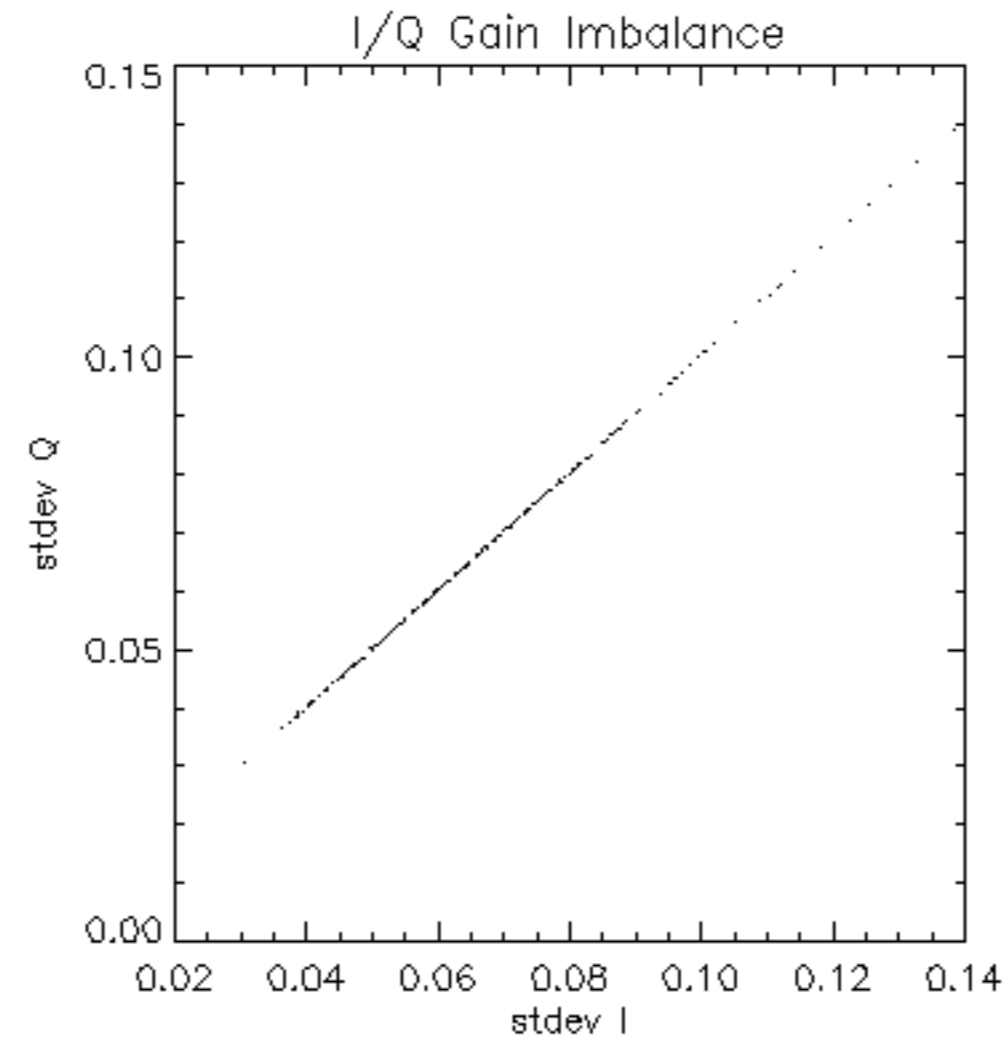


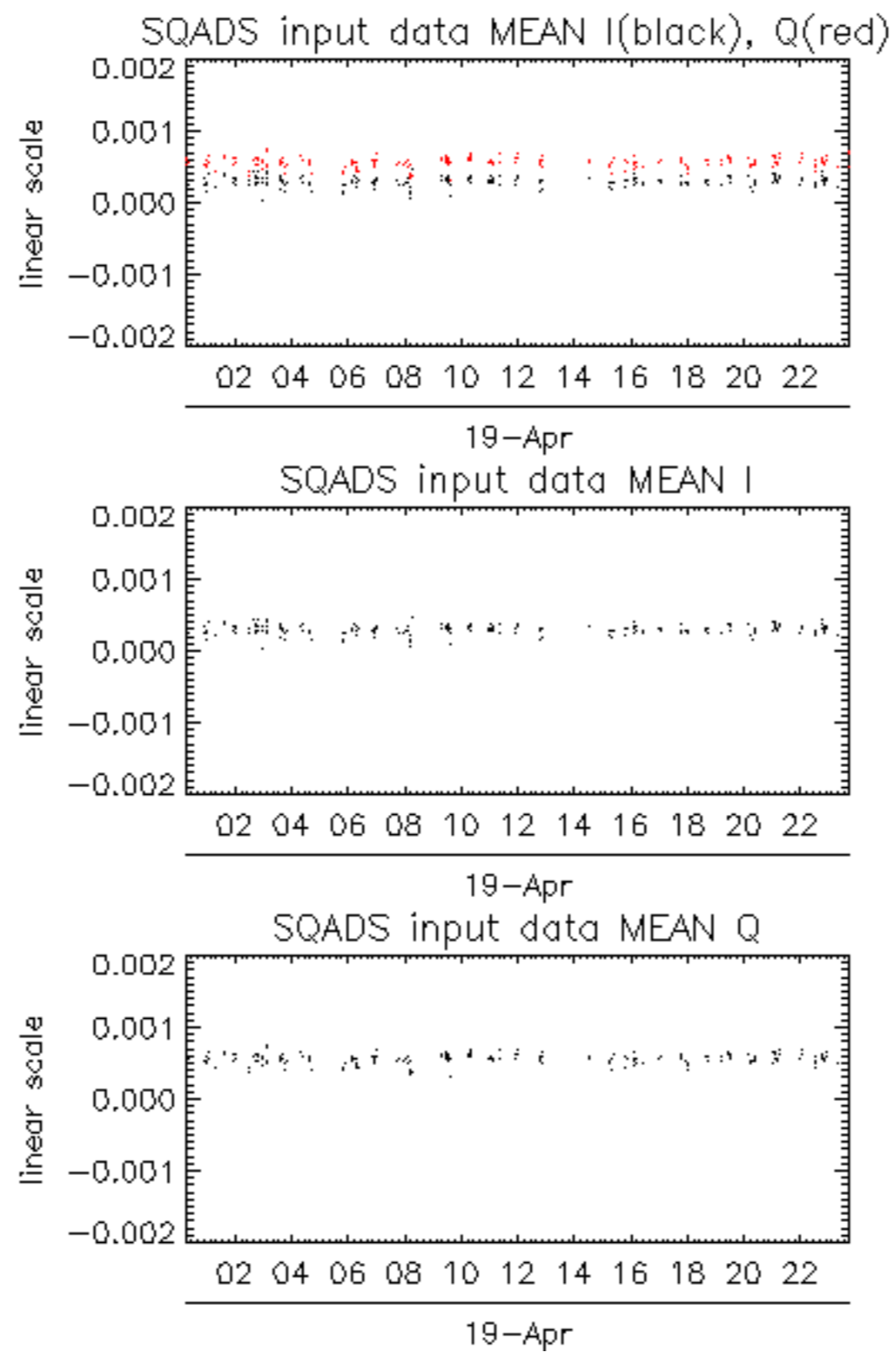


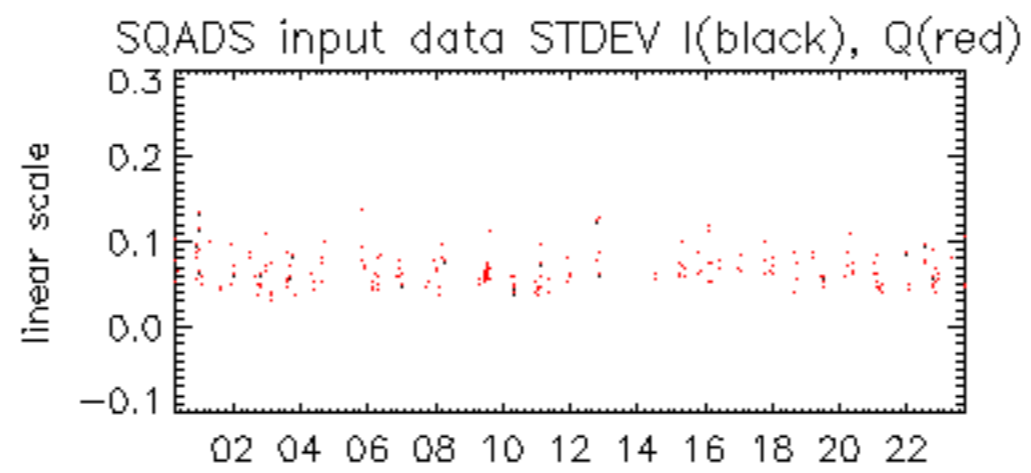




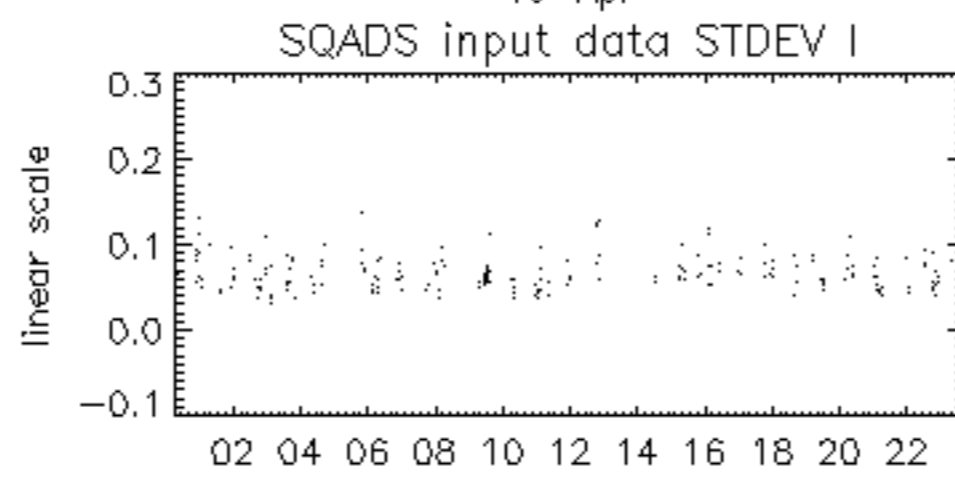




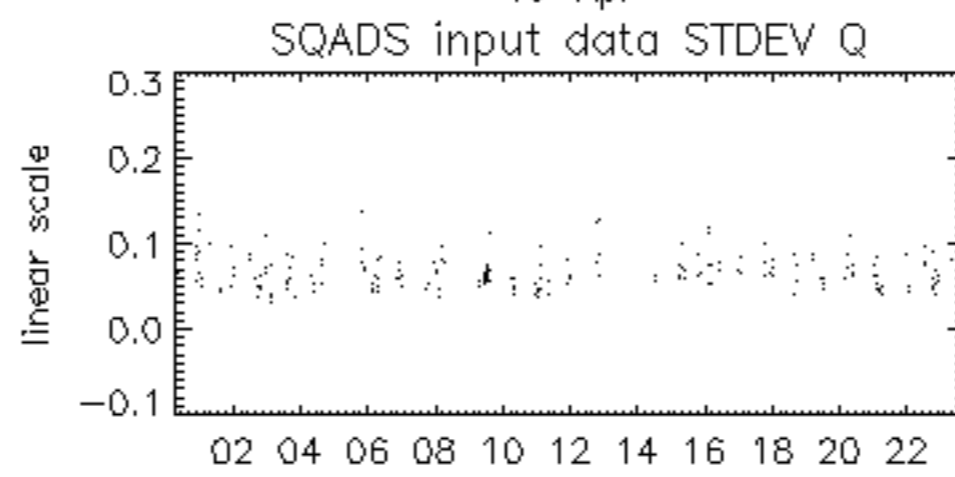




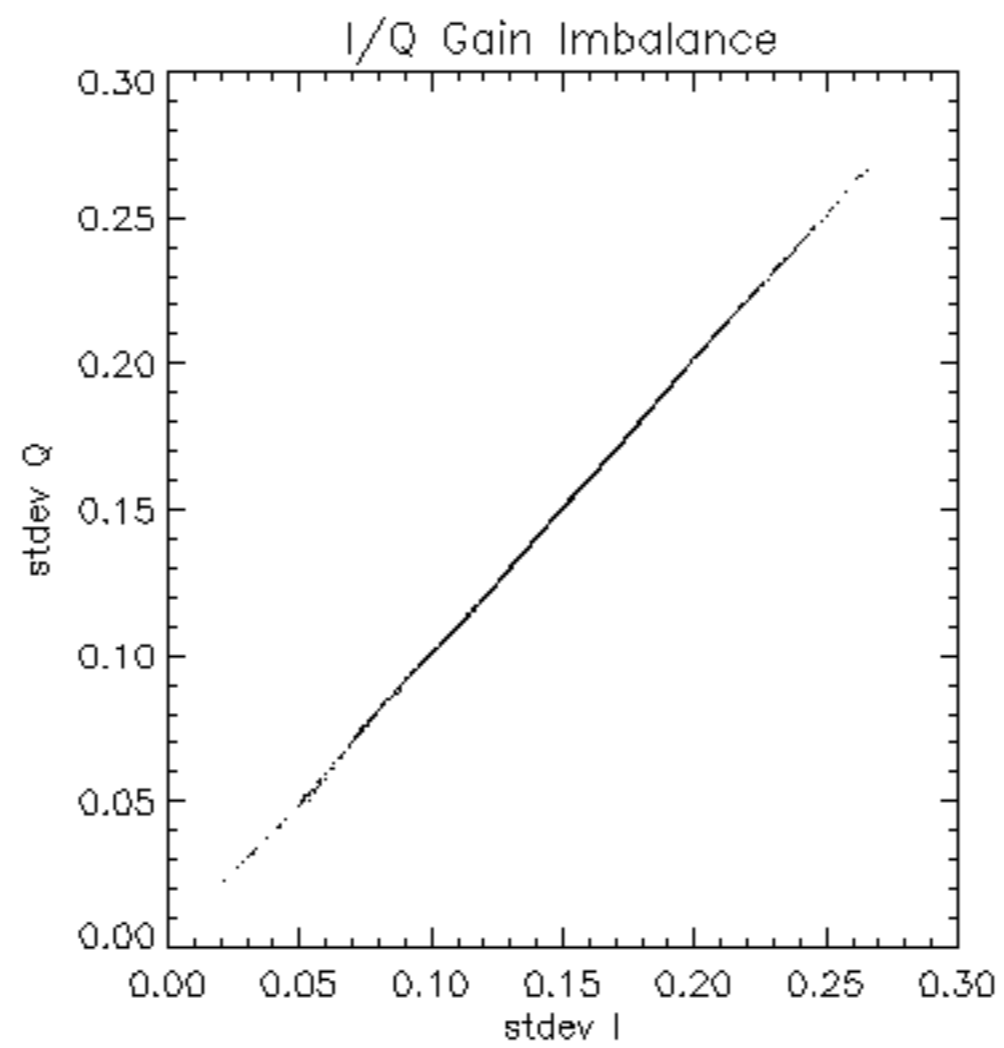
19-Apr

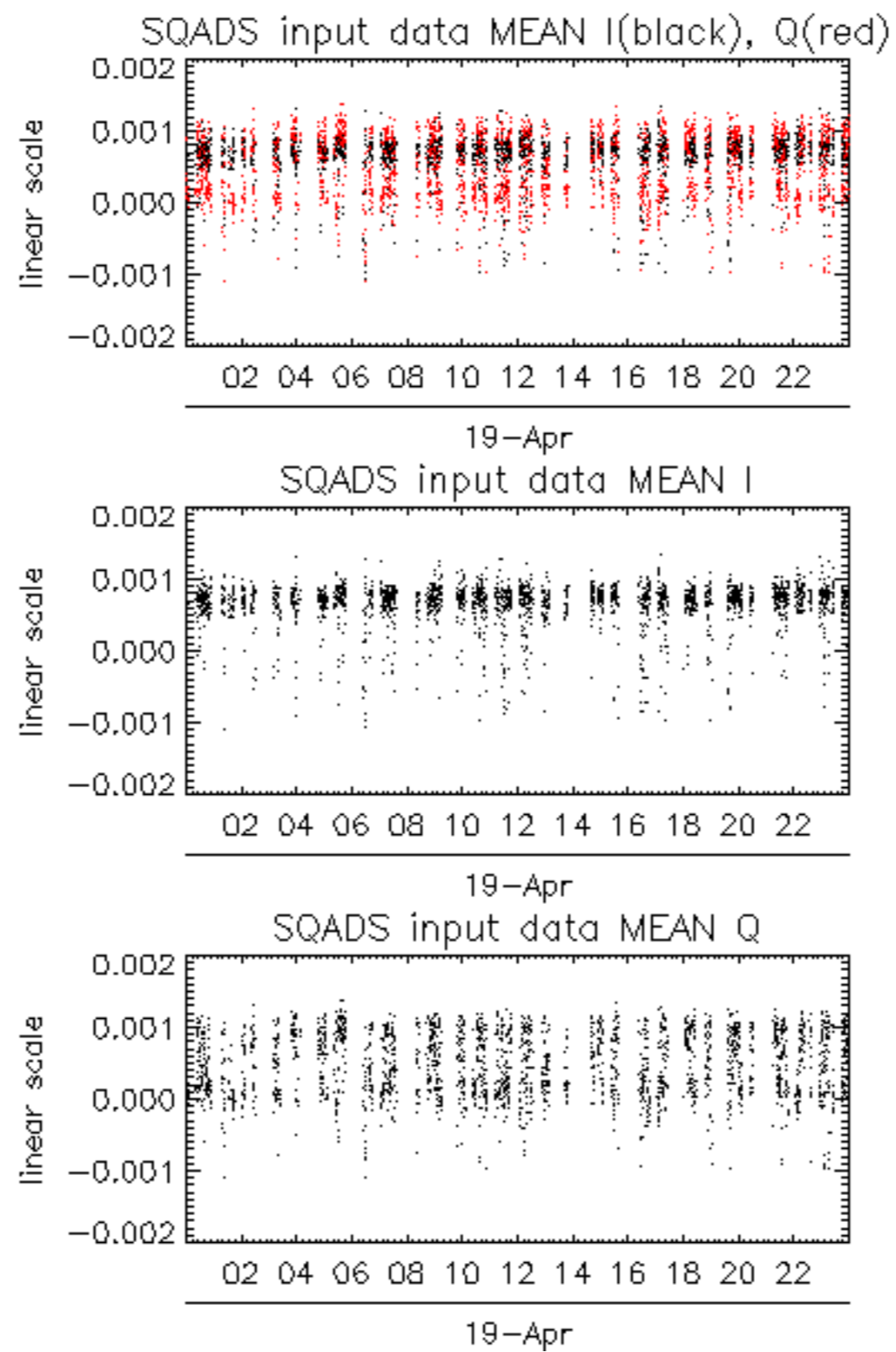


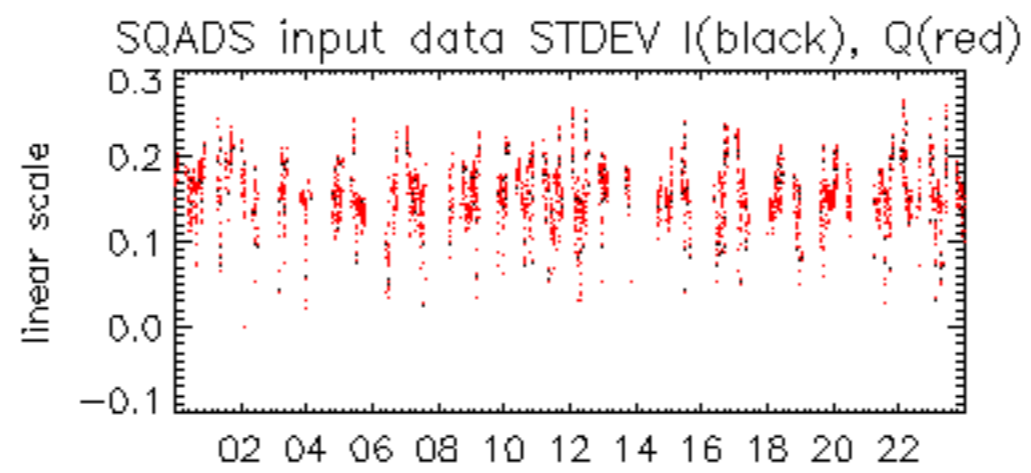
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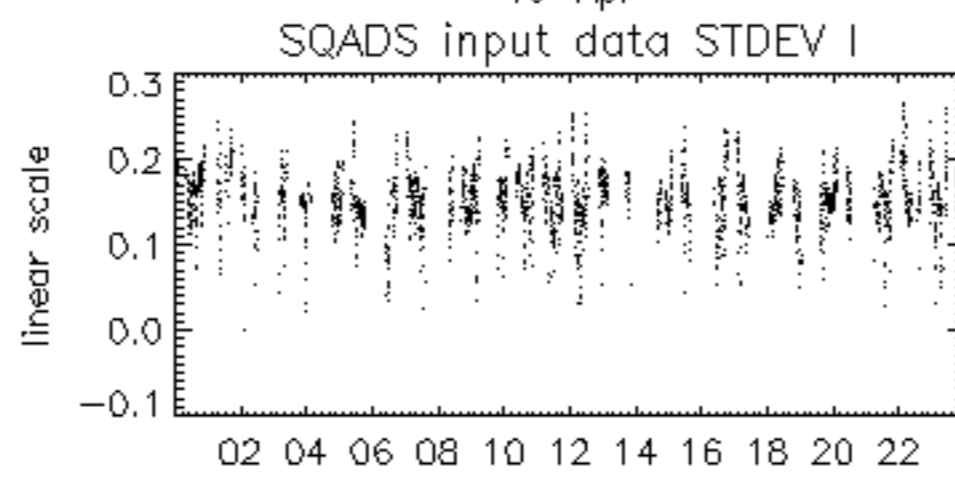
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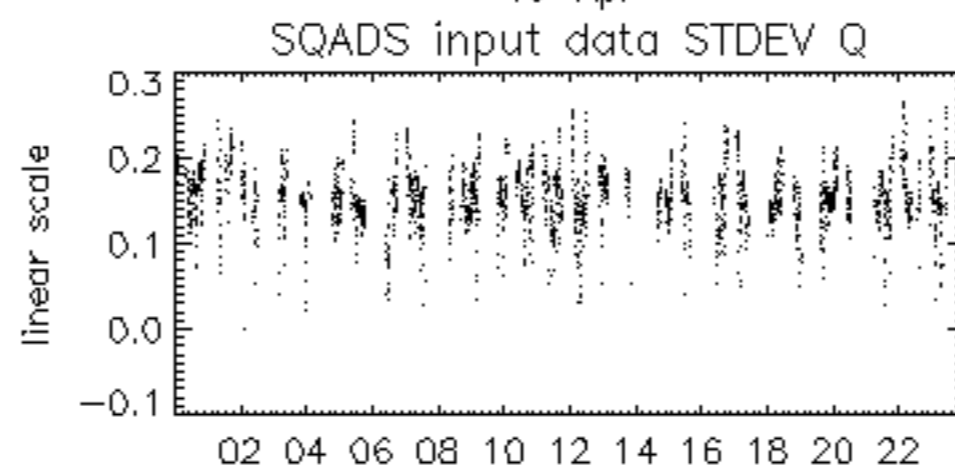




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