



Analysis from 09-FEB-2012 00:00:00 to 09-FEB-2012 23:59:59. Page generated on 10-FEB-2012 15:22:25.  
View log file: ASAR\_Daily\_Report\_20120210\_1521.log. For any anomalies please contact emma.hatton@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	34	PDE	IS1	H/H	1	PDE	IS2	V/V	2	PDE	WS	H/H	26	PDK	2012-02-09 10:56:40	H	320
PDE	IS2	V/V	29	PDK	WS	H/H	40	PDE	IS1	V/H	5	PDE	IS6	H/H	7	PDE	WS	V/V	4	PDK	2012-02-09 12:36:54	V	320
PDK	IS2	V/V	24					PDE	IS2	H/H	1	PDK	IS6	H/H	2	PDK	WS	H/H	14				
								PDE	IS4	H/H	2												
								PDE	IS6	V/H	1												
								PDE	IS7	V/H	1												
								PDK	IS1	V/H	1												

## 1.2 - Lists of products used

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[TXT] [XLS] [List\\_WVS\\_products\\_used](#)  
 [TXT] [XLS] [List\\_GM1\\_products\\_used](#)  
 [TXT] [XLS] [List\\_APM\\_products\\_used](#)  
 [TXT] [XLS] [List\\_IMM\\_products\\_used](#)  
 [TXT] [XLS] [List\\_WSM\\_products\\_used](#)  
 [TXT] [XLS] [List\\_MS\\_products\\_used](#)

## 2 - AUXILIARY FILES ANALYSIS

### 2.1 - IECF operational ADFs list

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ADFs disseminated for ASAR
ASA_CON_AXVIEC20110526_075001_20101027_215740_20141231_000000
ASA_INS_AXVIEC20110124_114858_20101228_112000_20141231_235959
ASA_XCH_AXVIEC20101222_143057_20020301_000000_20141231_000000
ASA_XCA_AXVIEC20120126_110323_20110607_000000_20141231_000000

### 2.2 - Products with wrong ADFs

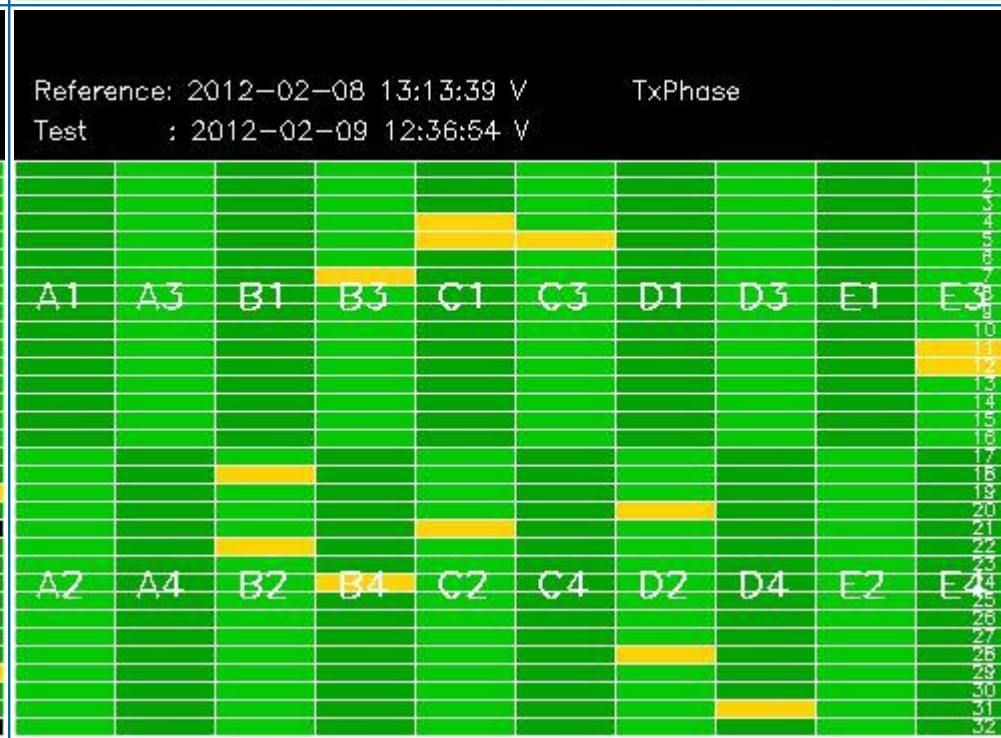
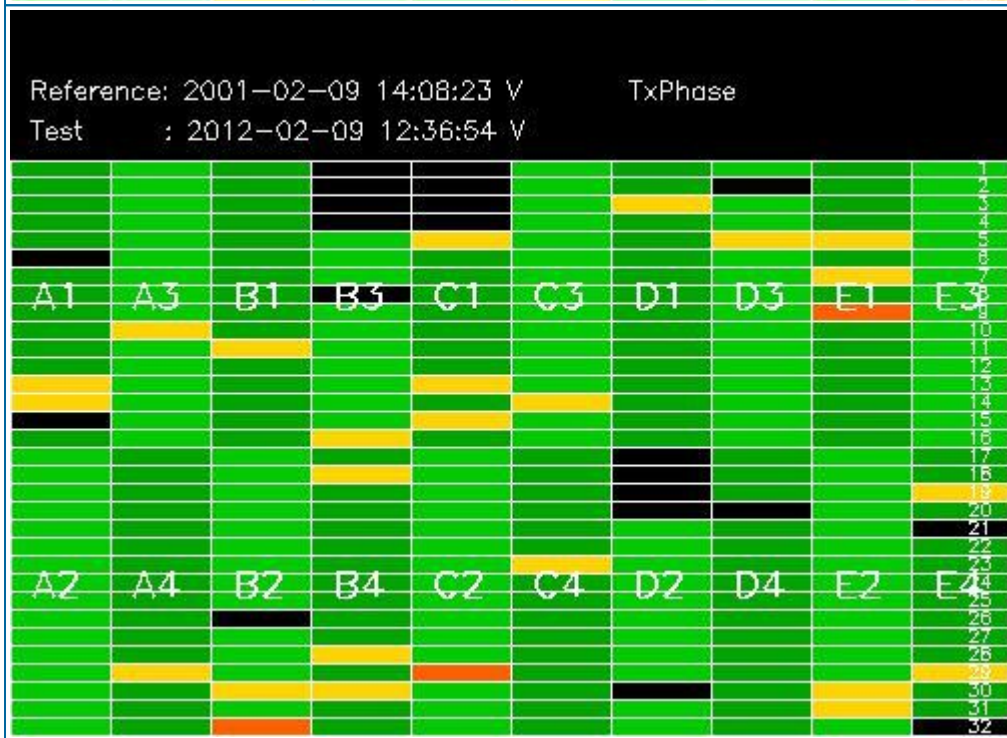
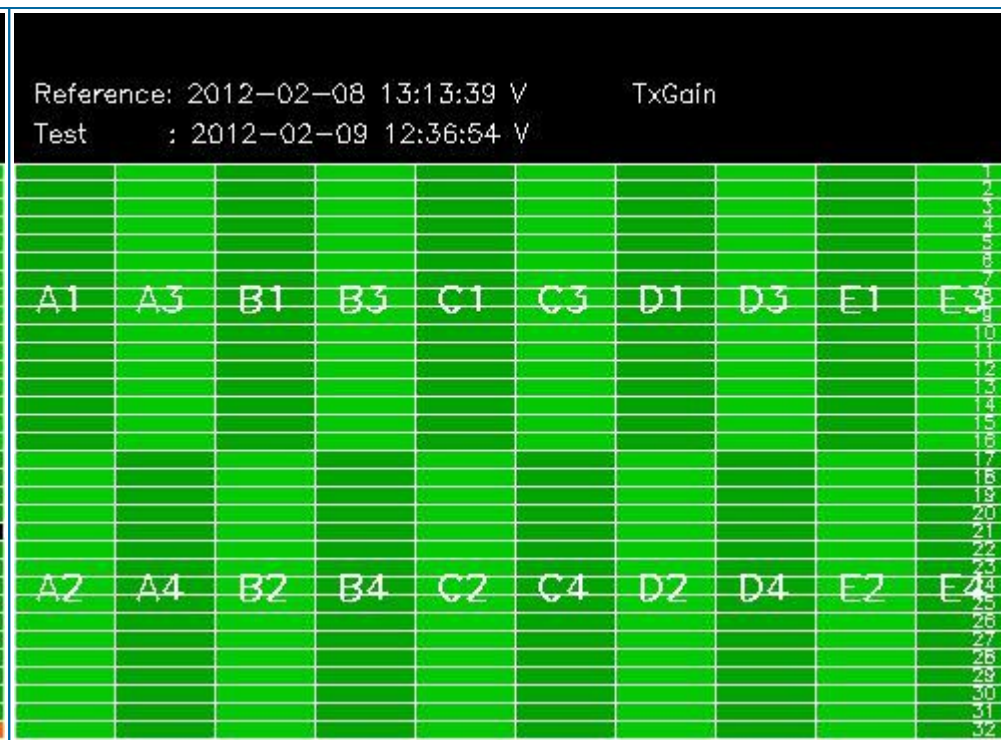
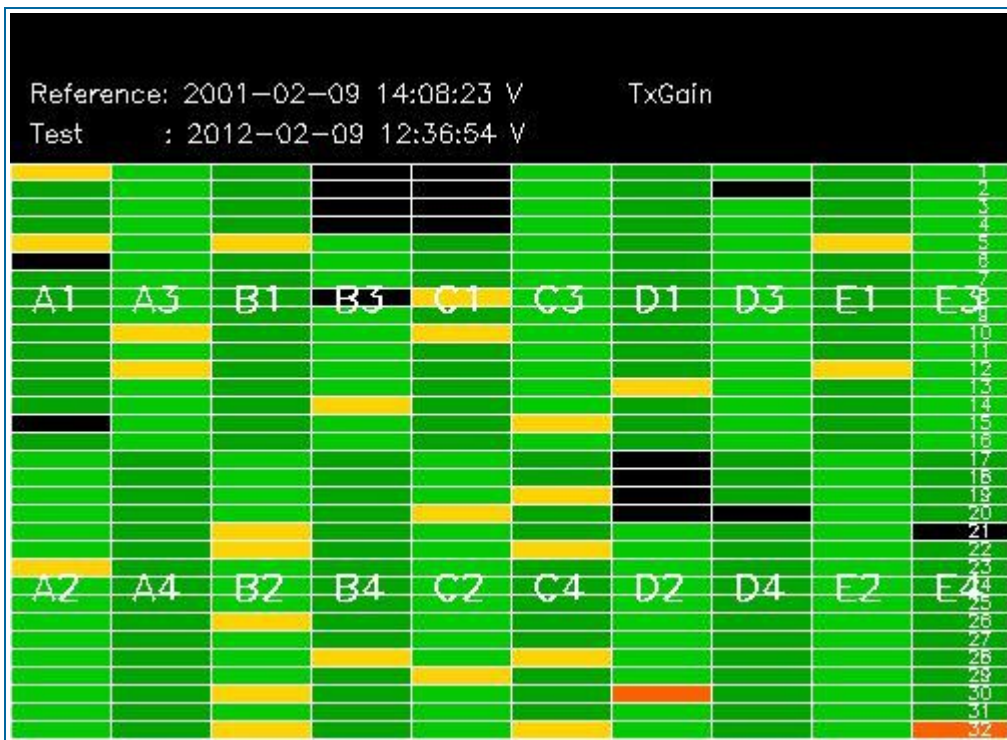
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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

[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

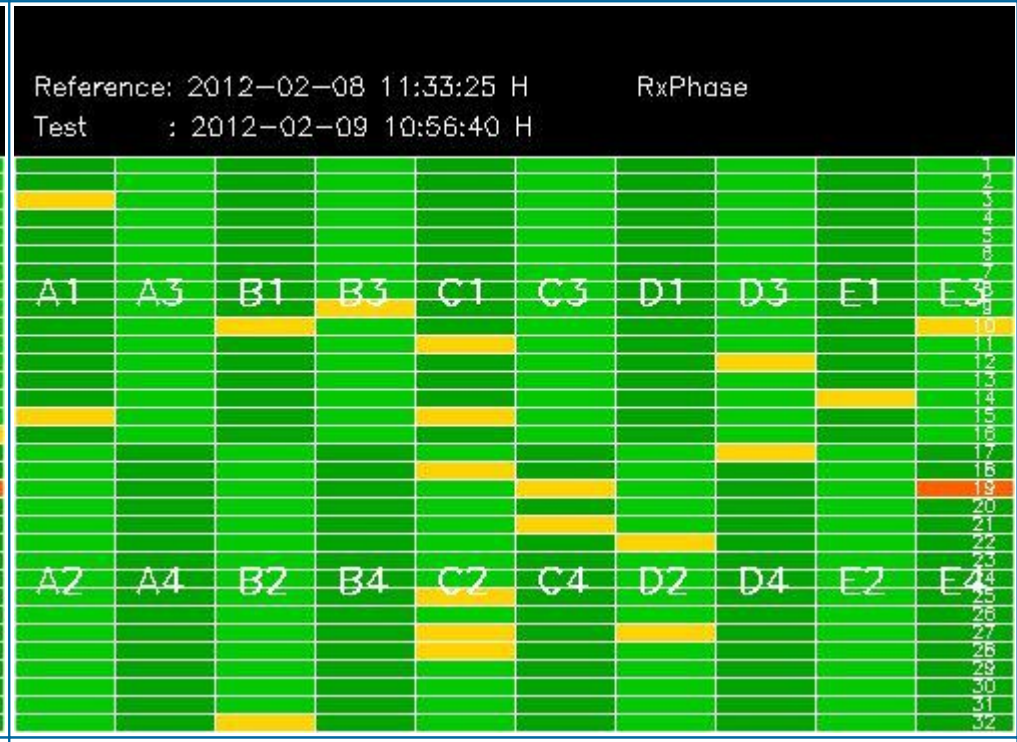
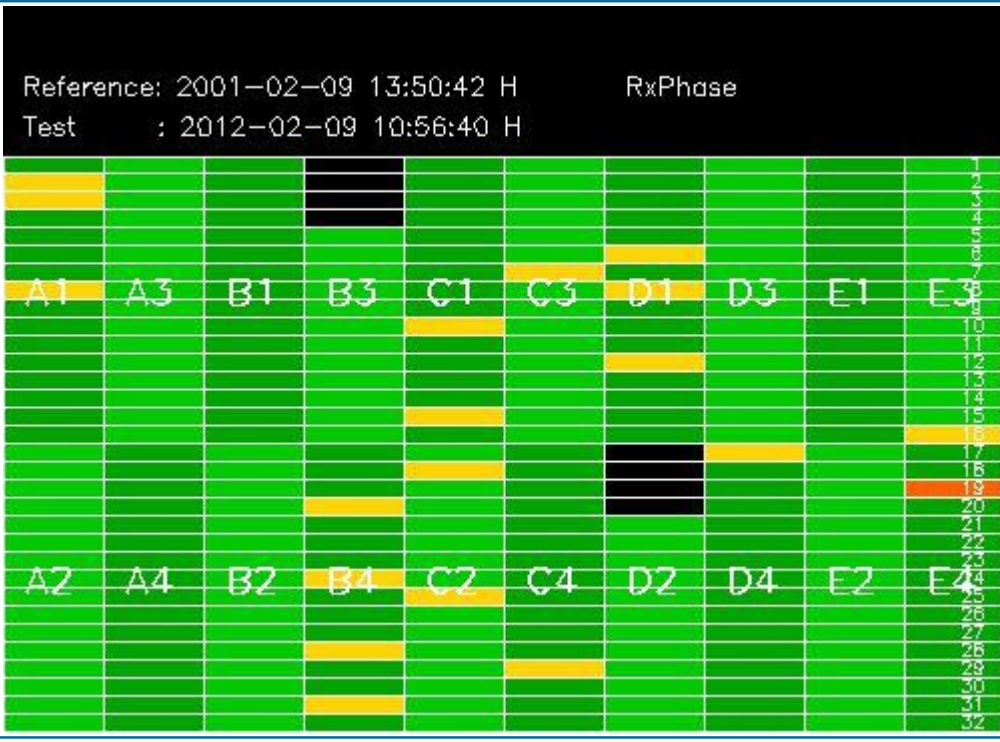
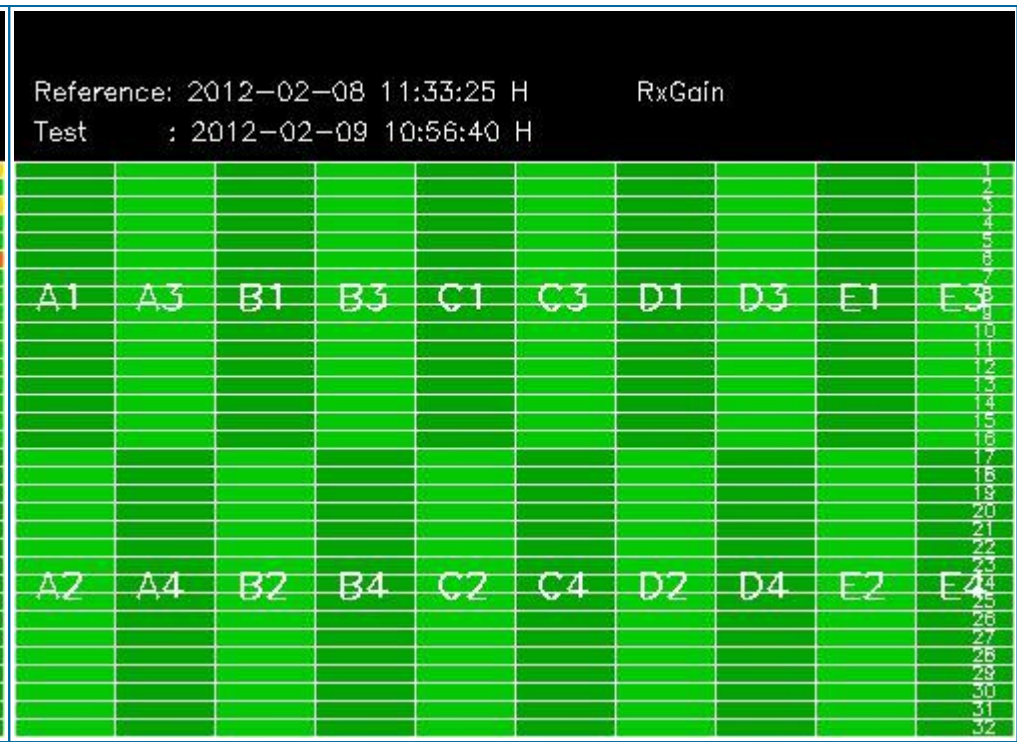
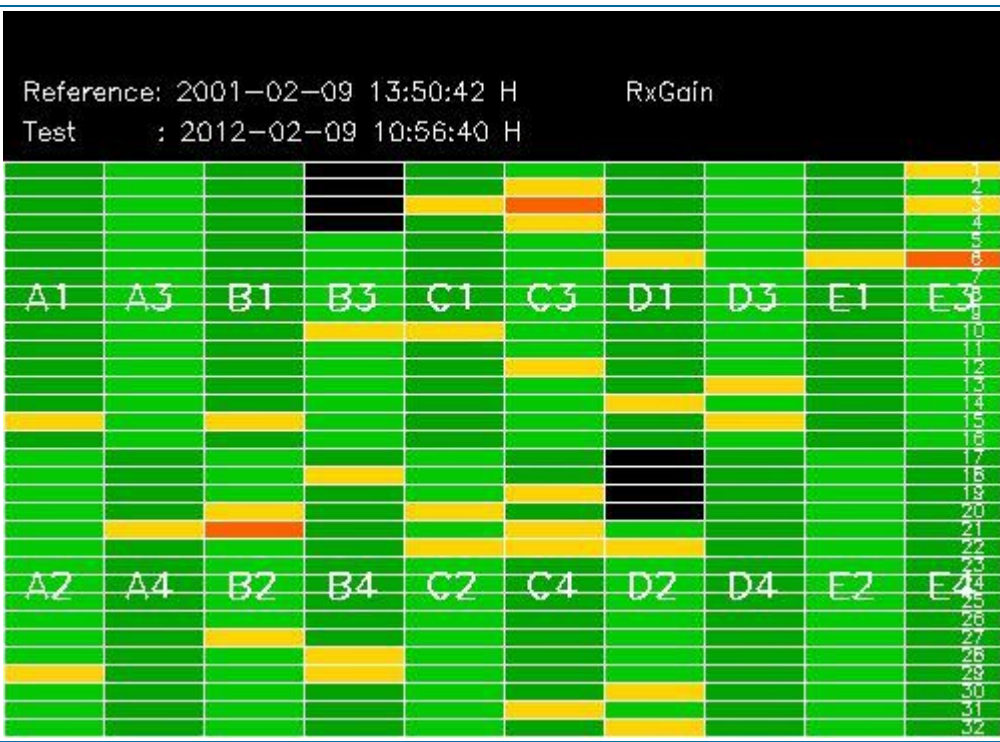


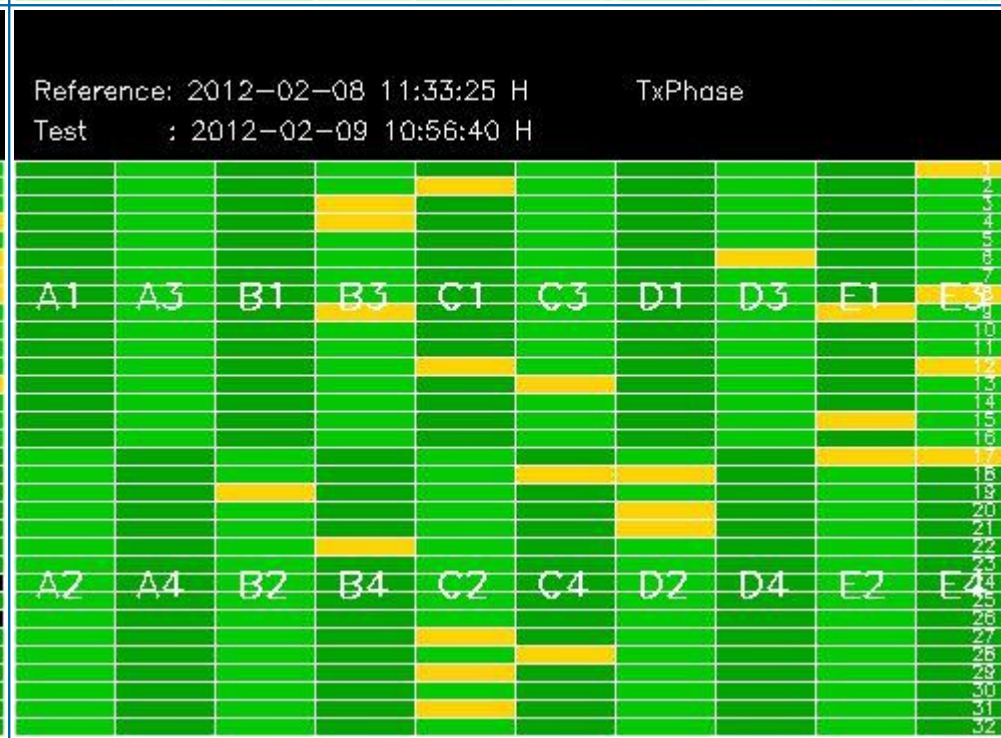
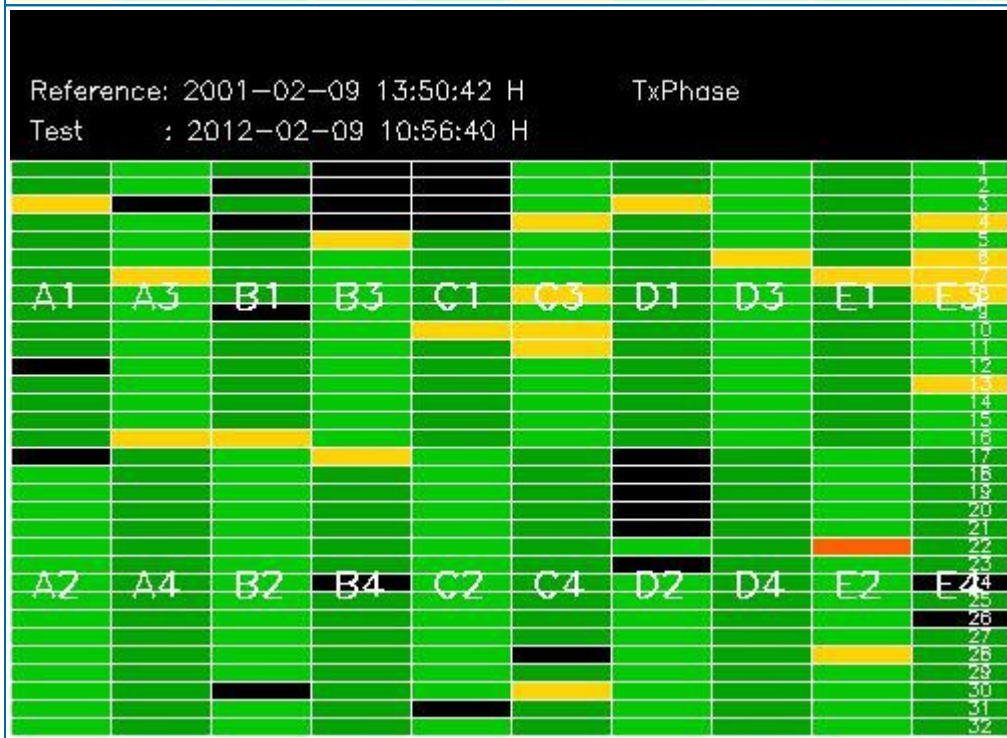
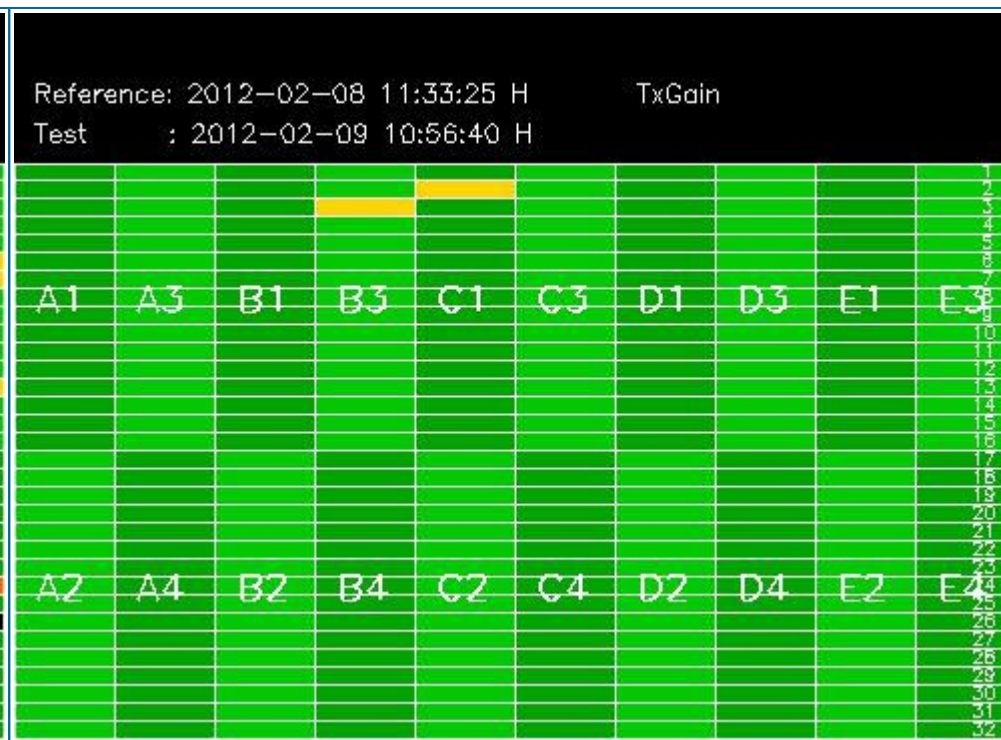
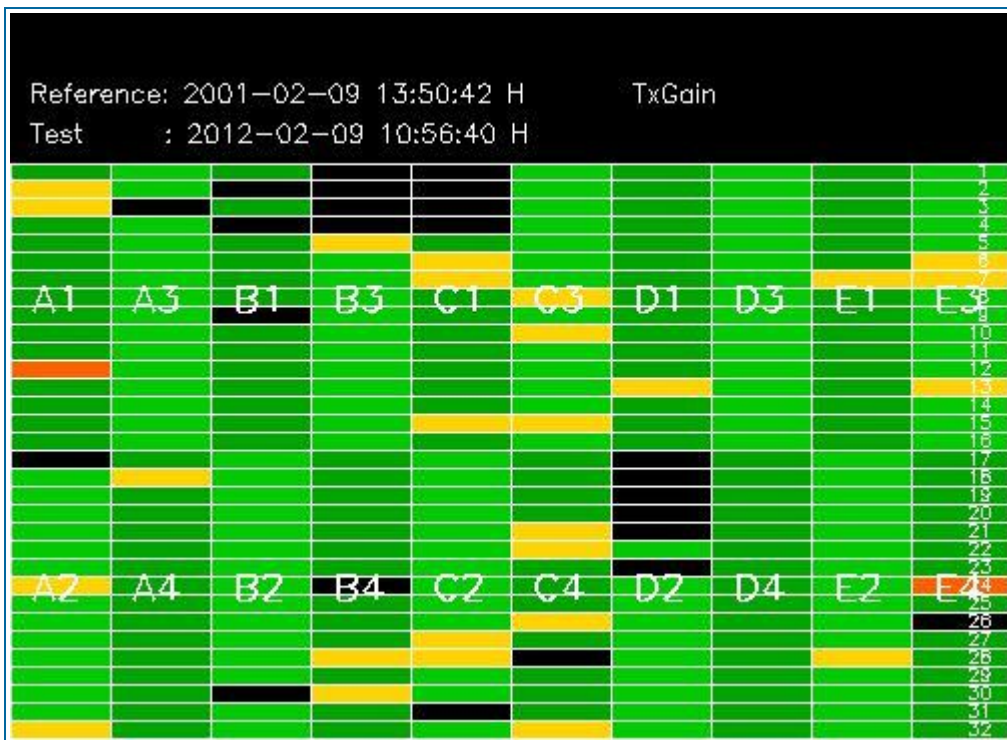


### 3.2 - H/H polarisation

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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

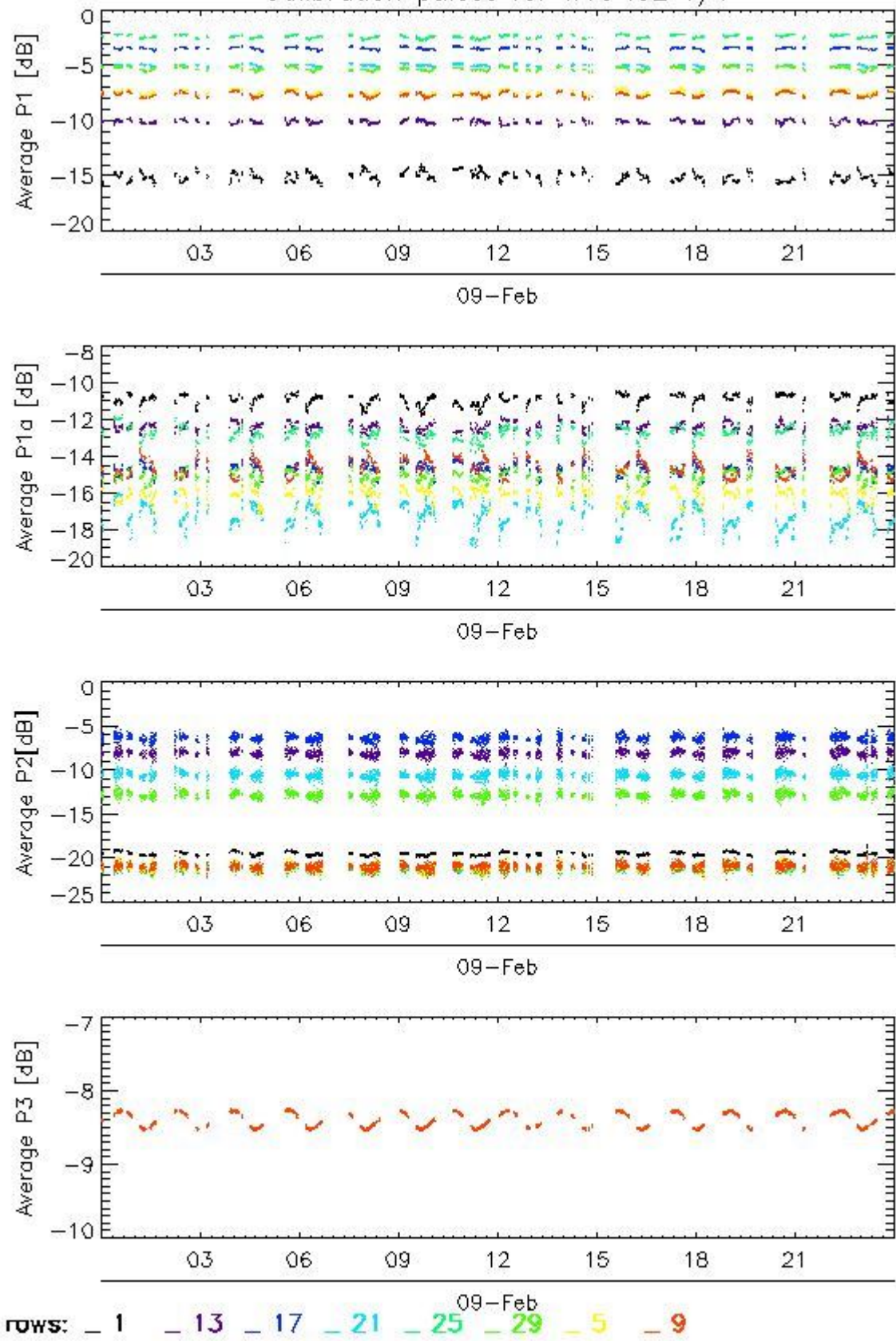
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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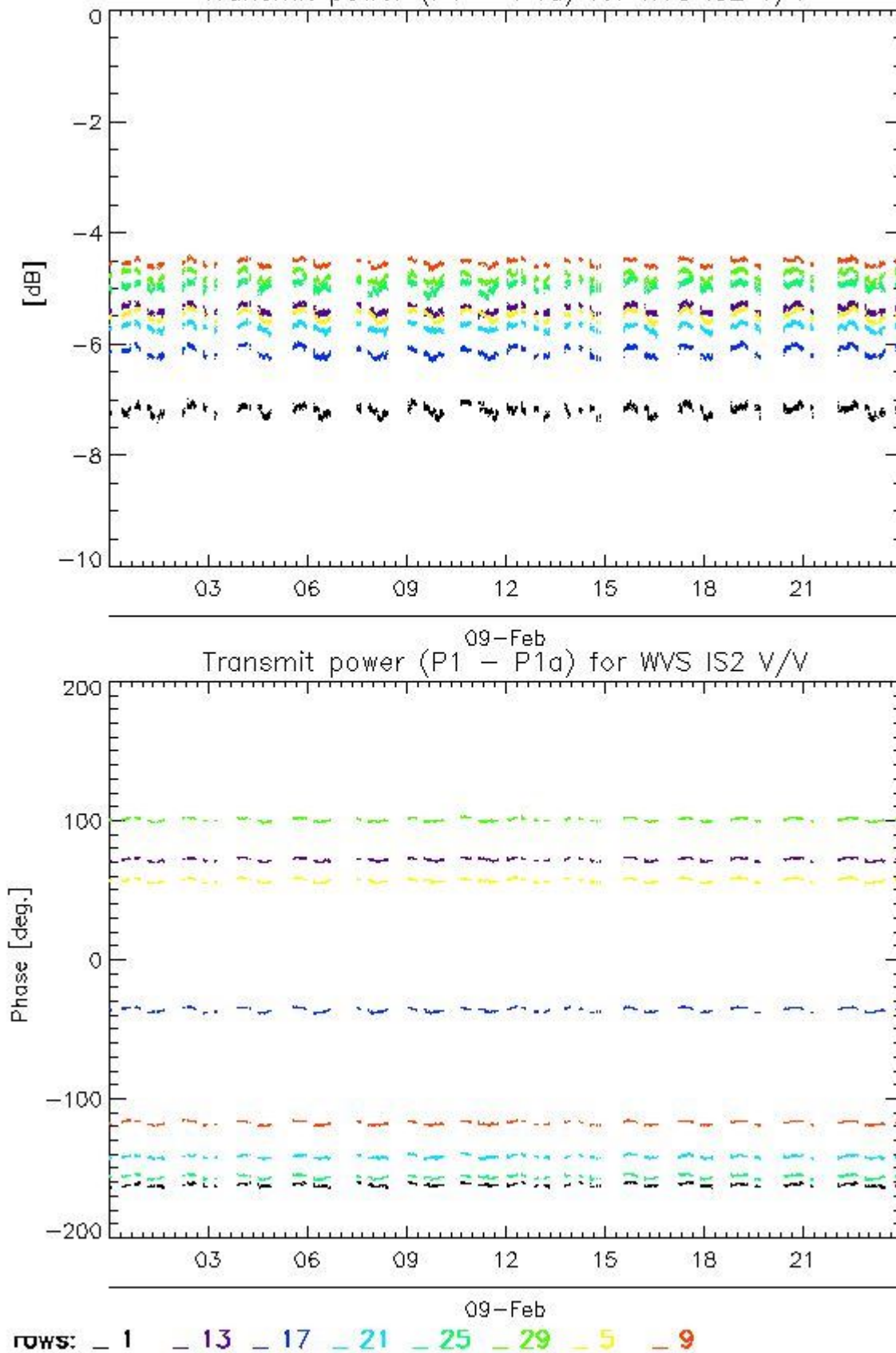
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



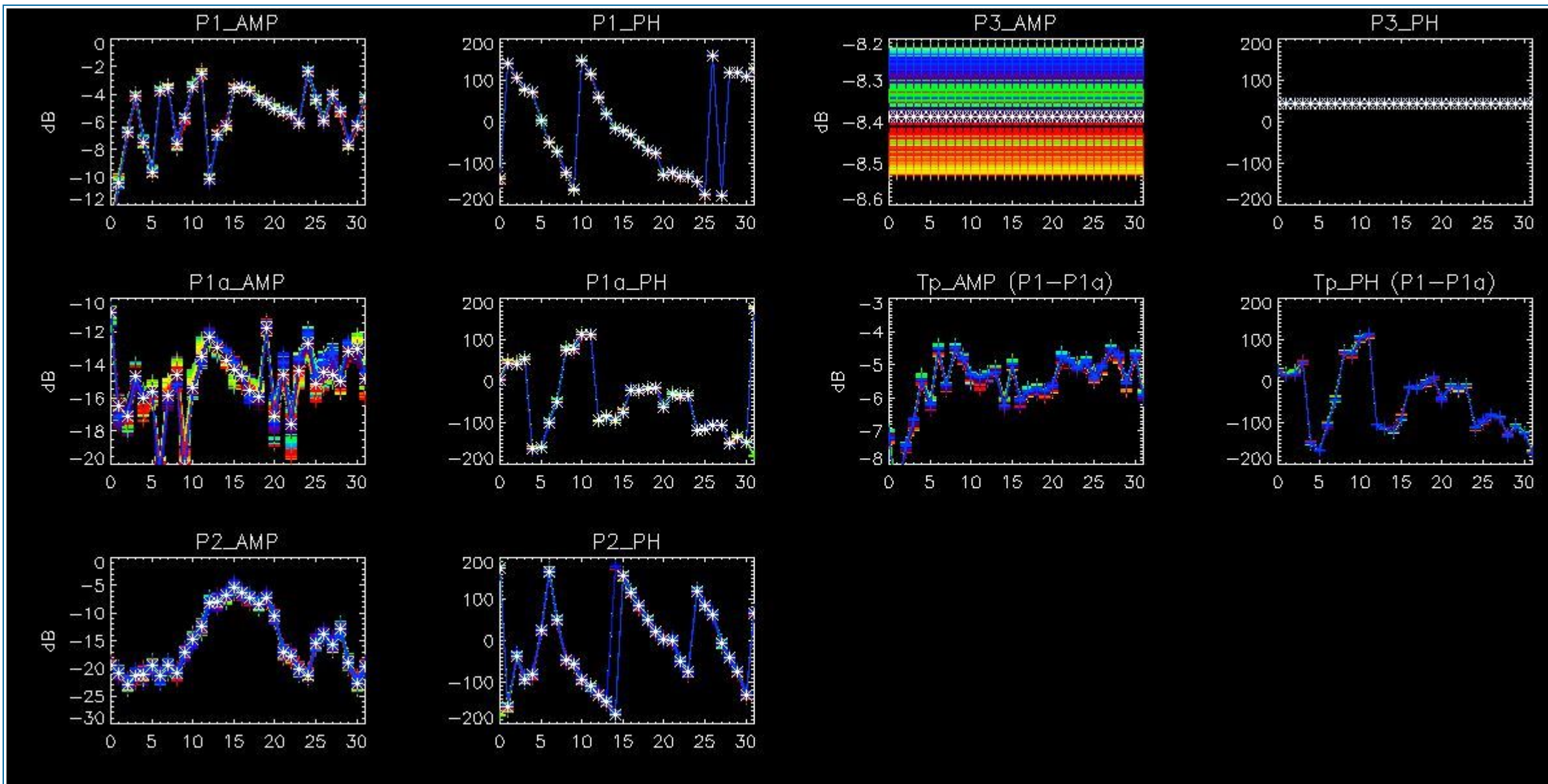
Transmit power (P1 - P1a) for WVS IS2 V/V



#### 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

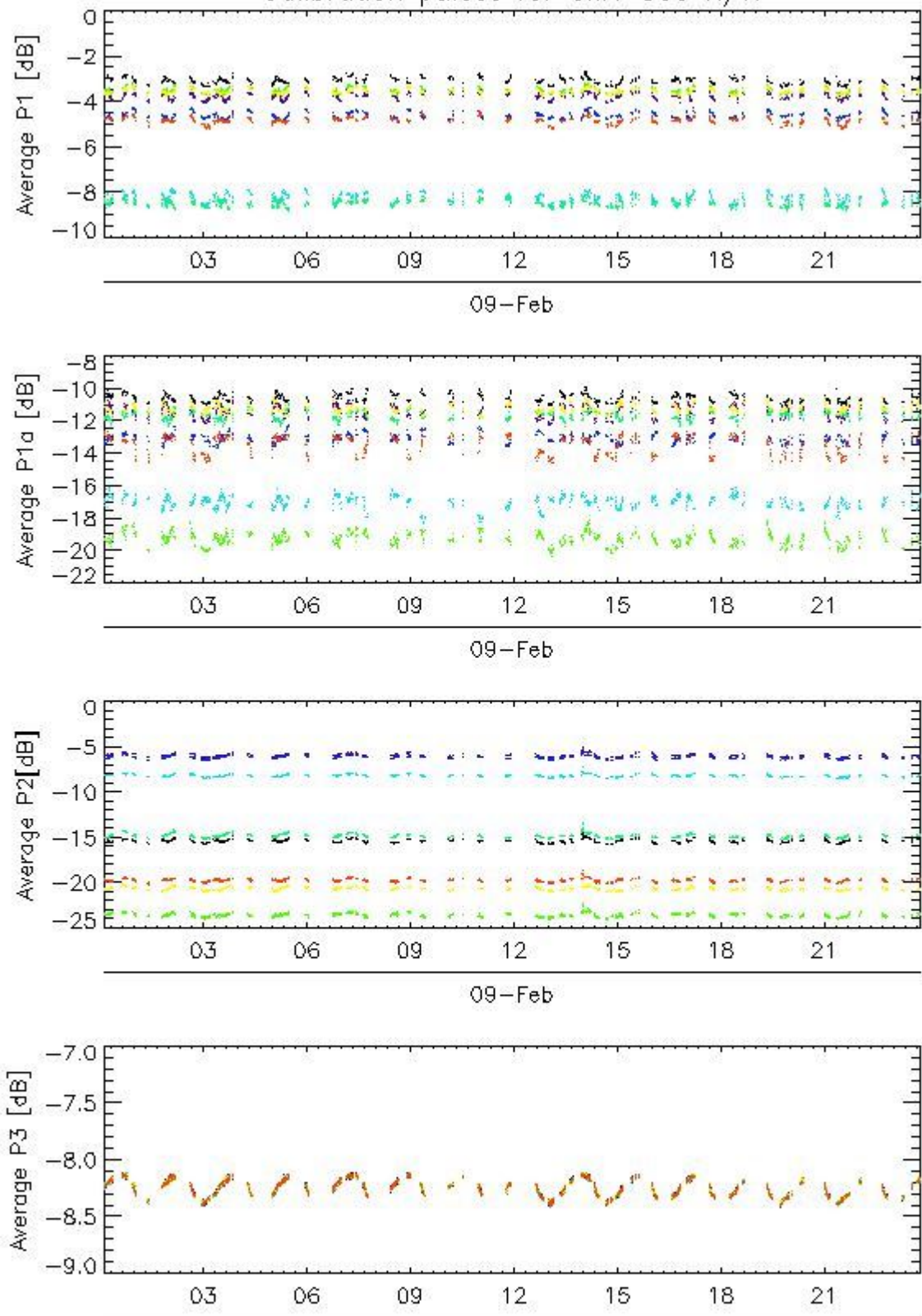
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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]

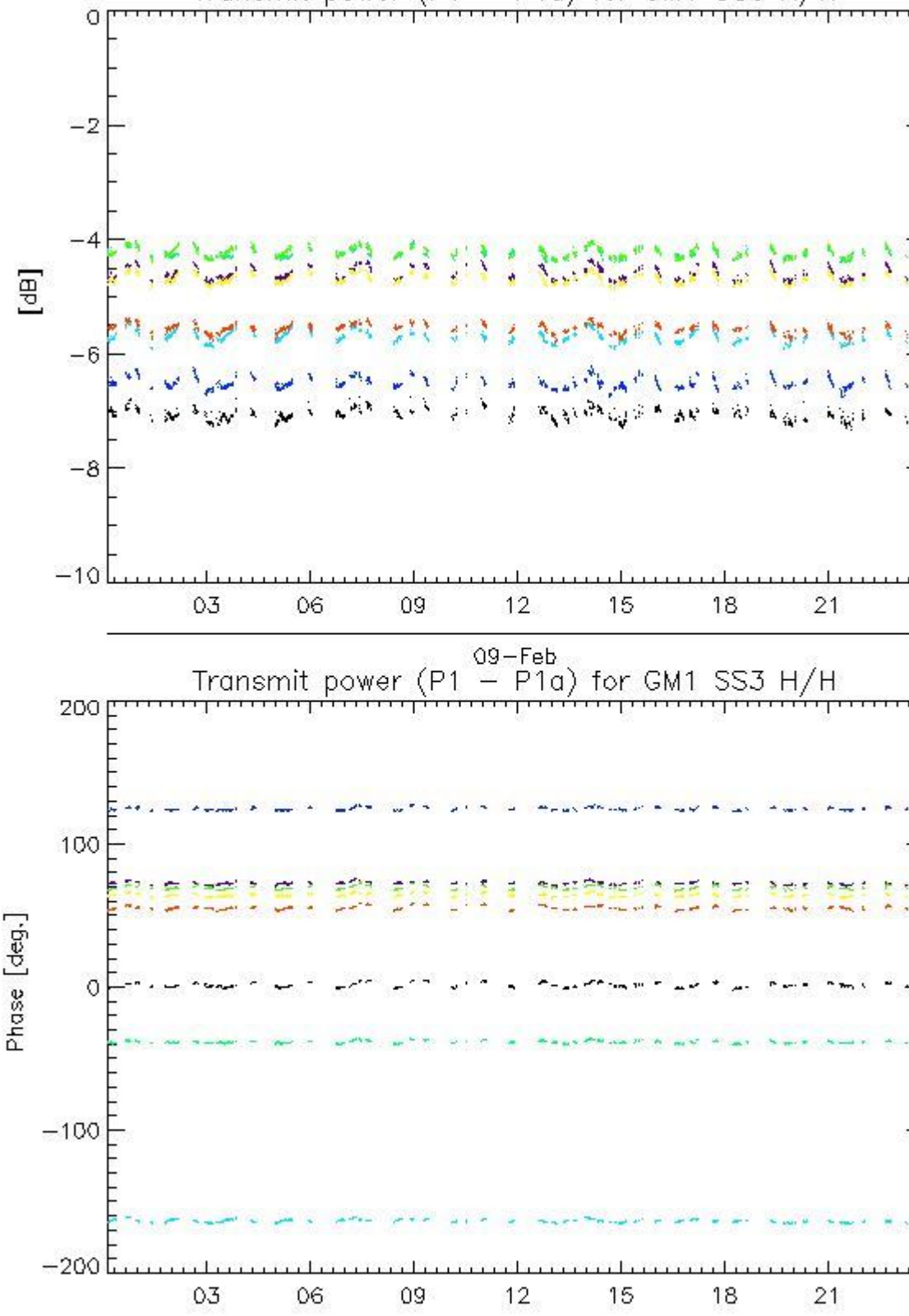


Calibration pulses for GM1 SS3 H/H



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

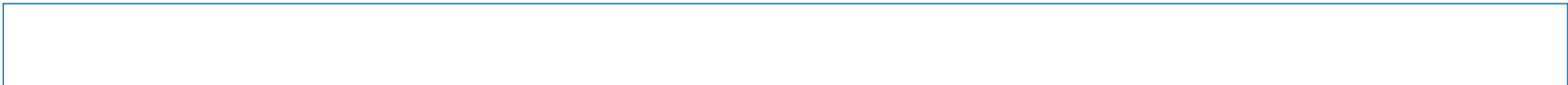
Transmit power (P1 - P1a) for GM1 SS3 H/H

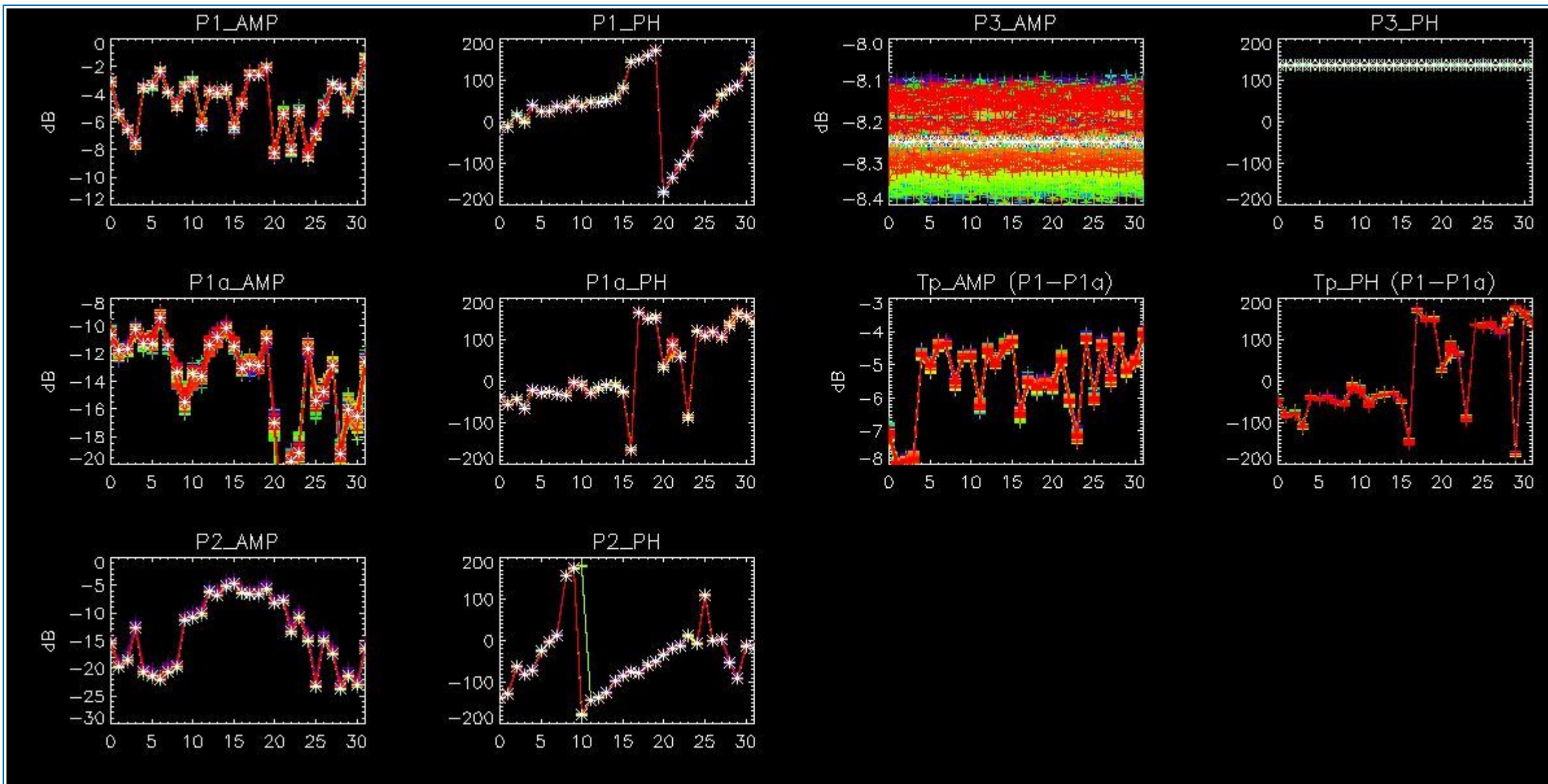


rows: \_ 1 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29 \_ 5 \_ 9

4.2.2 - All Rows Analysis for GM1 SS3 H/H

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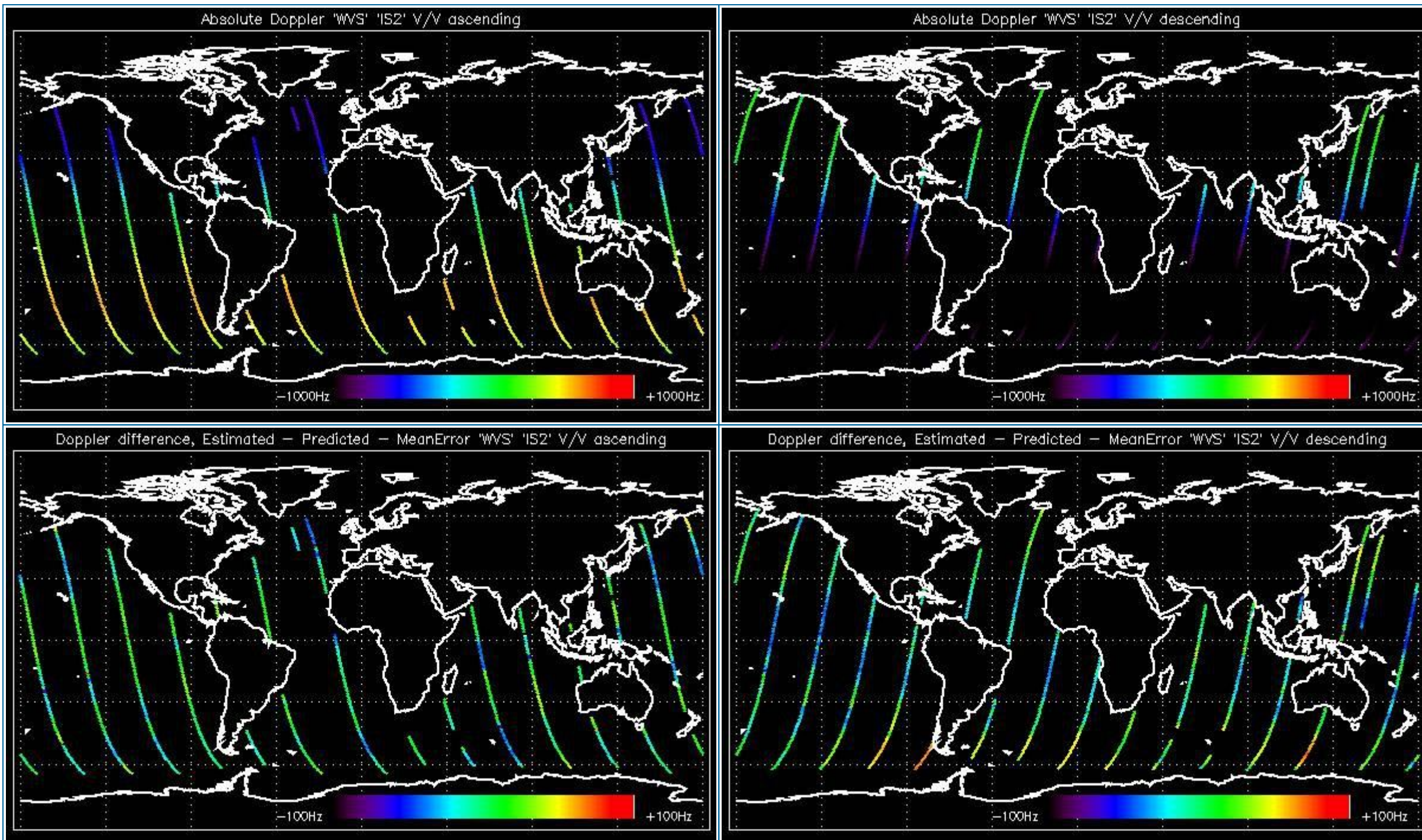
## 5 - DOPPLER ANALYSIS

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

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

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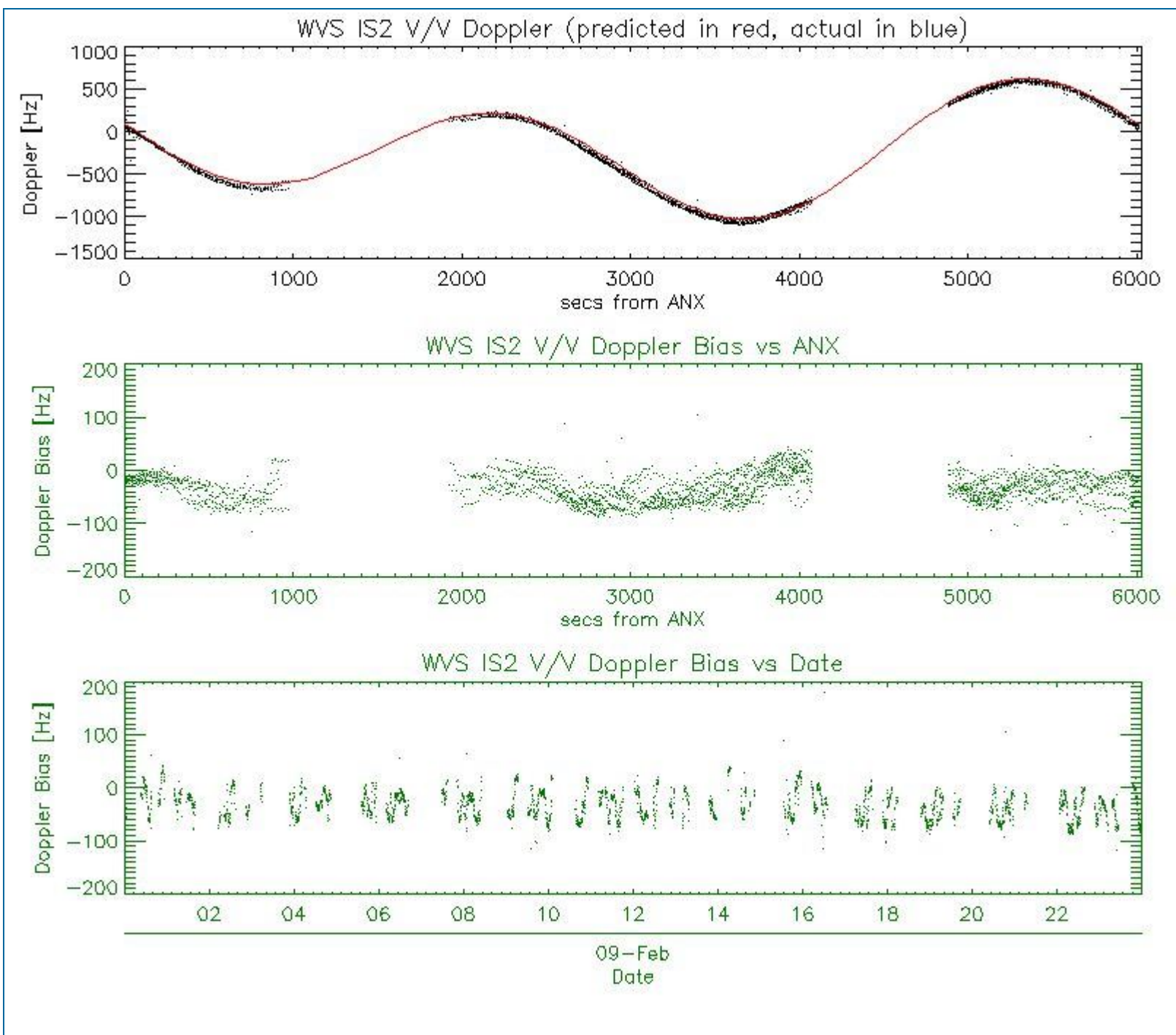




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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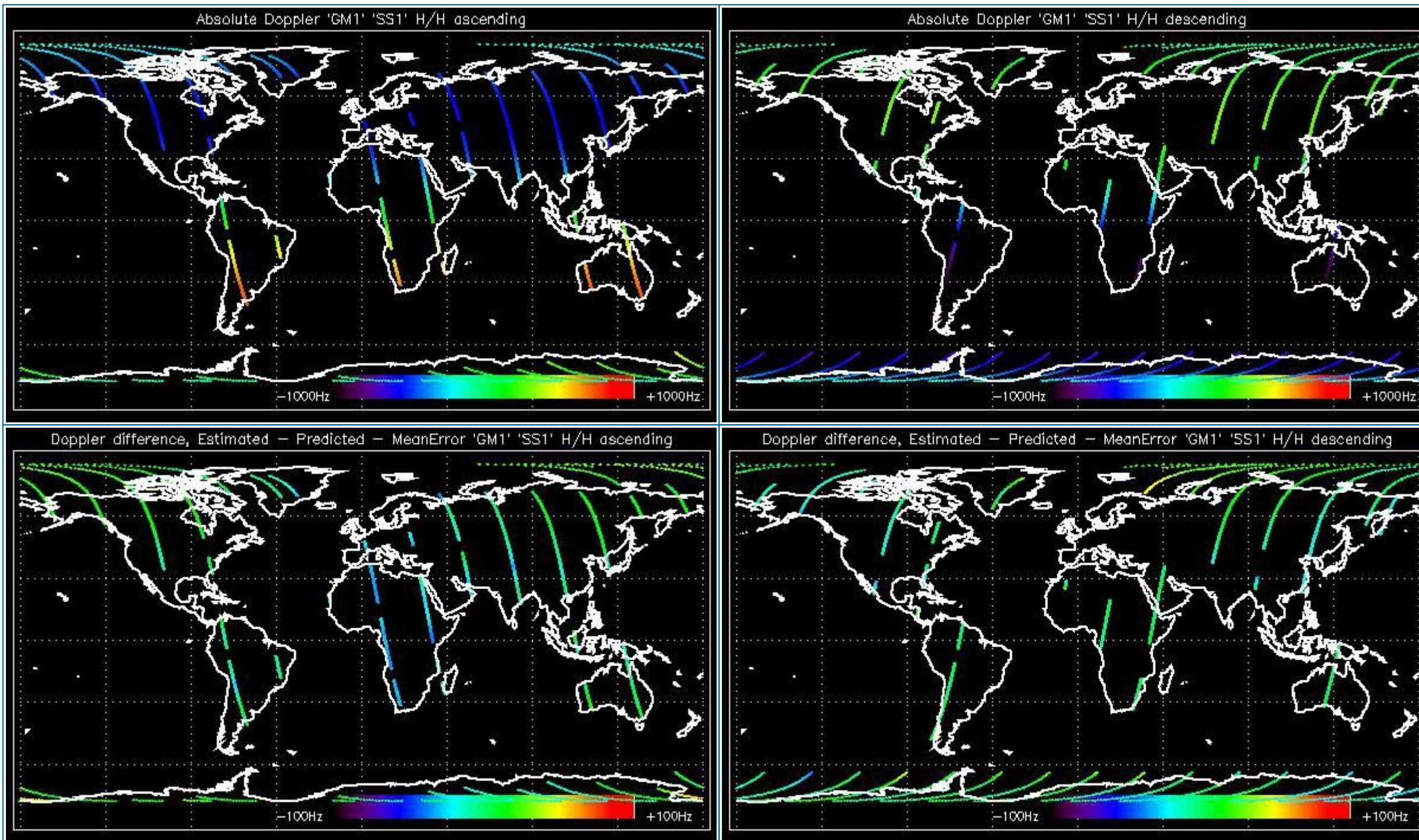


## 5.2 - Analysis for GM1 SS1 H/H

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

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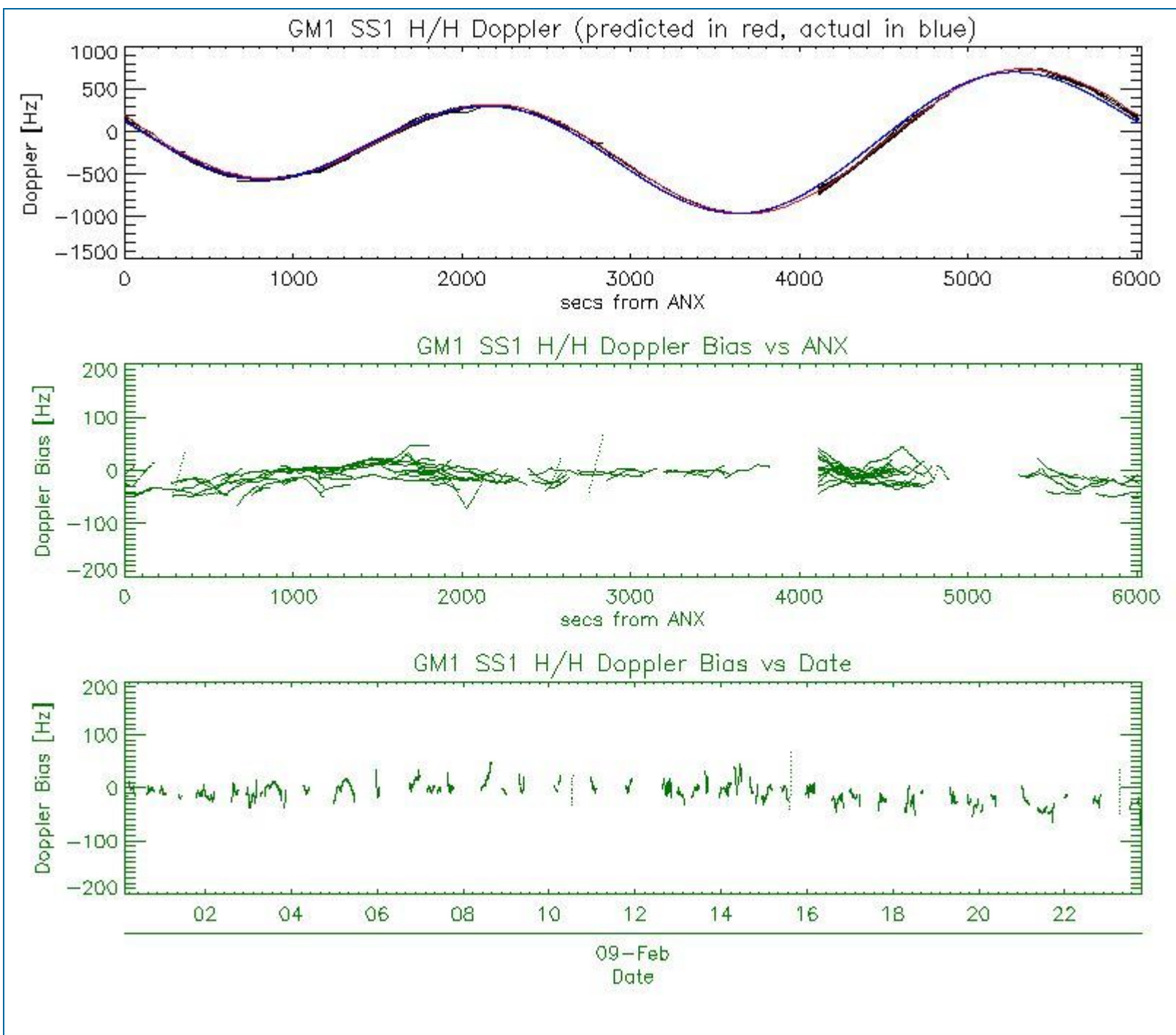




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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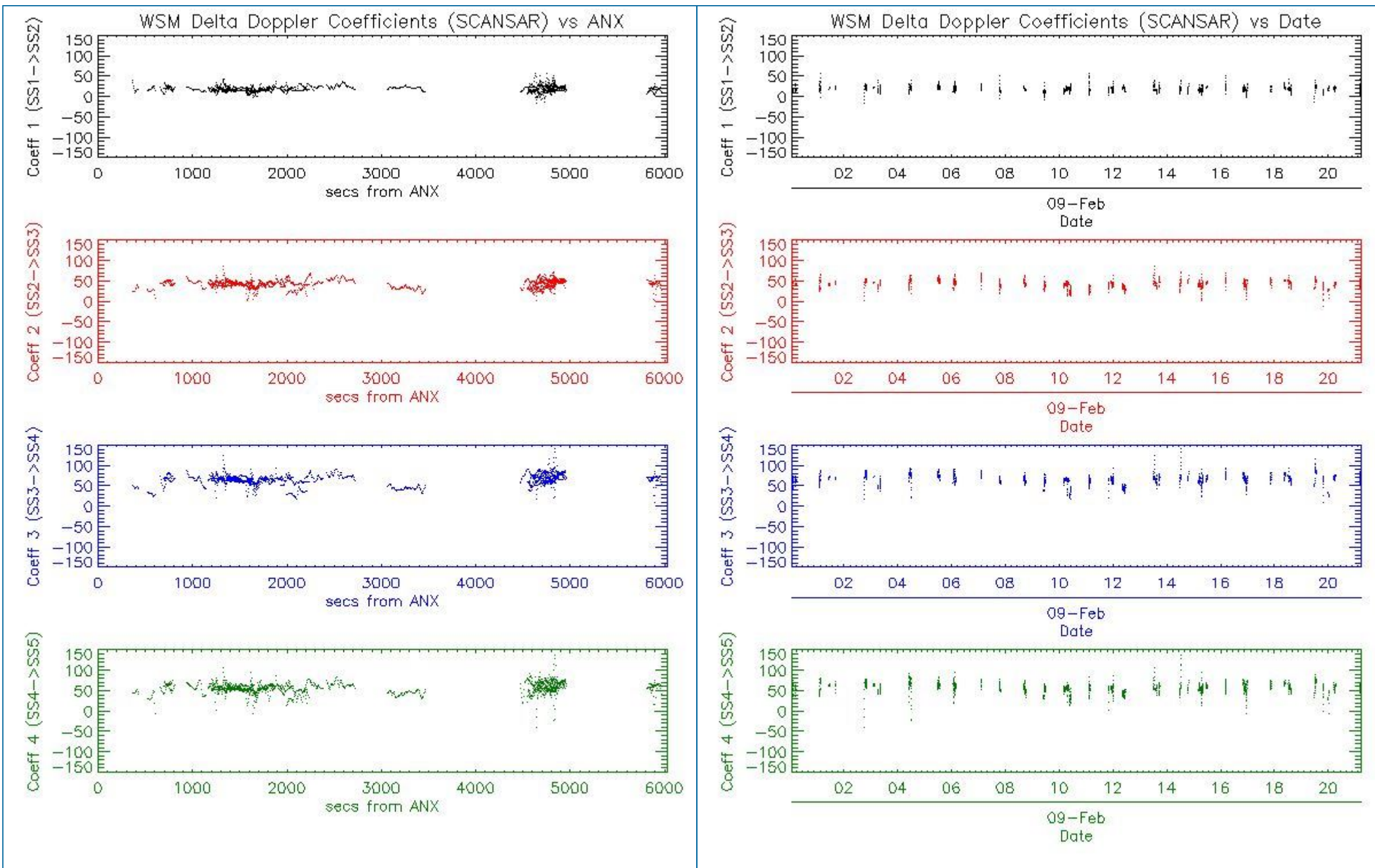




### 5.3 - Doppler JUMPS Analysis for WSM

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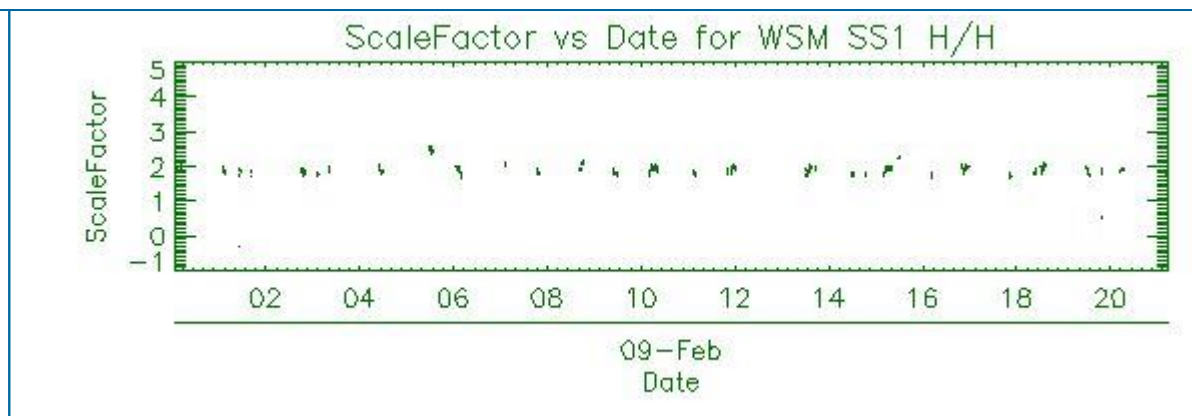
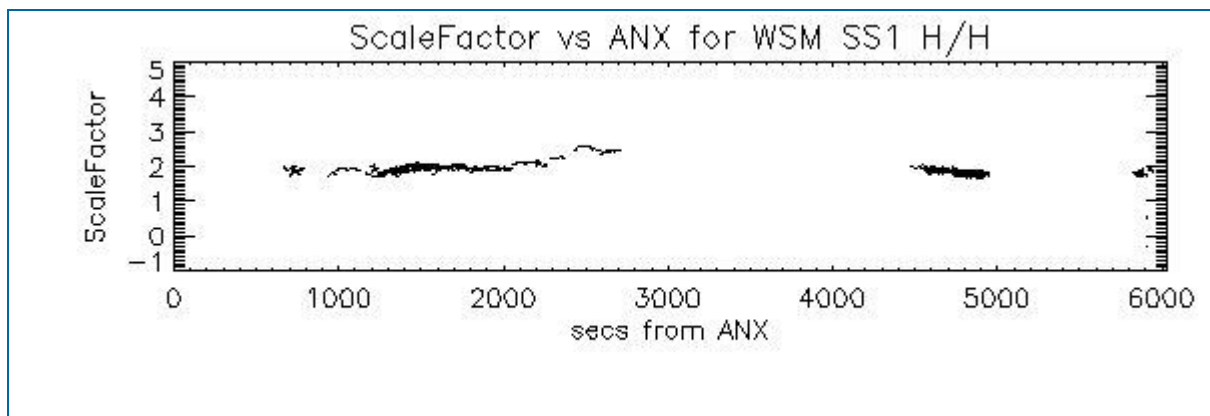
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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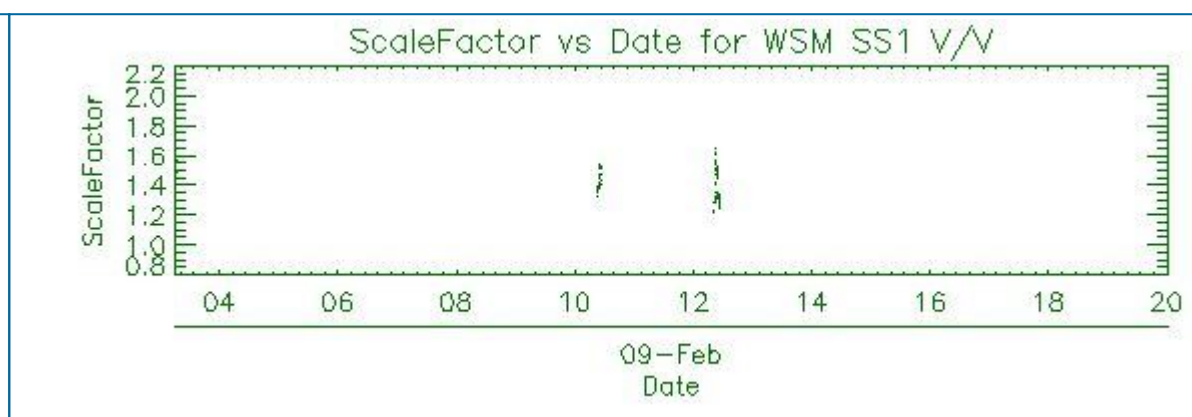
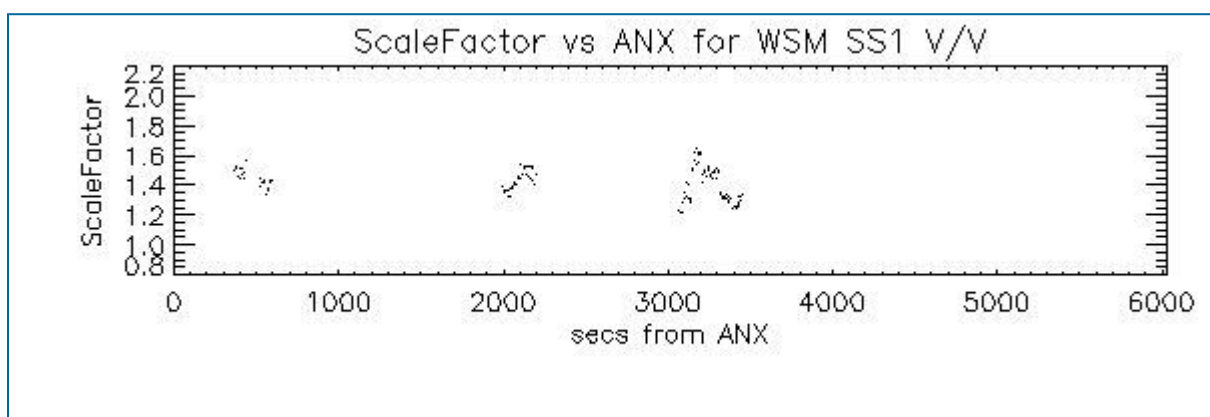




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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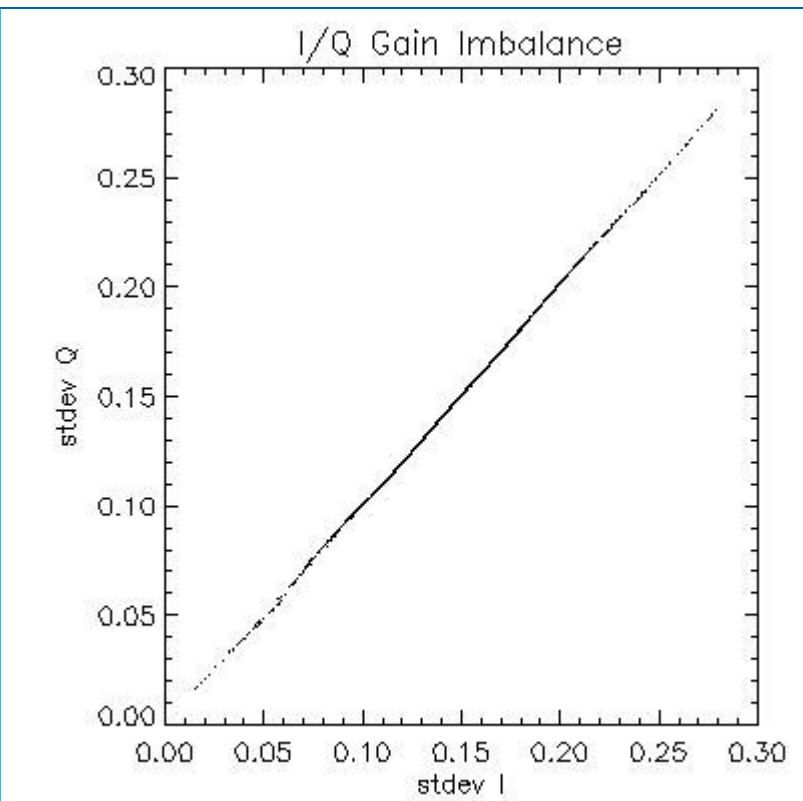
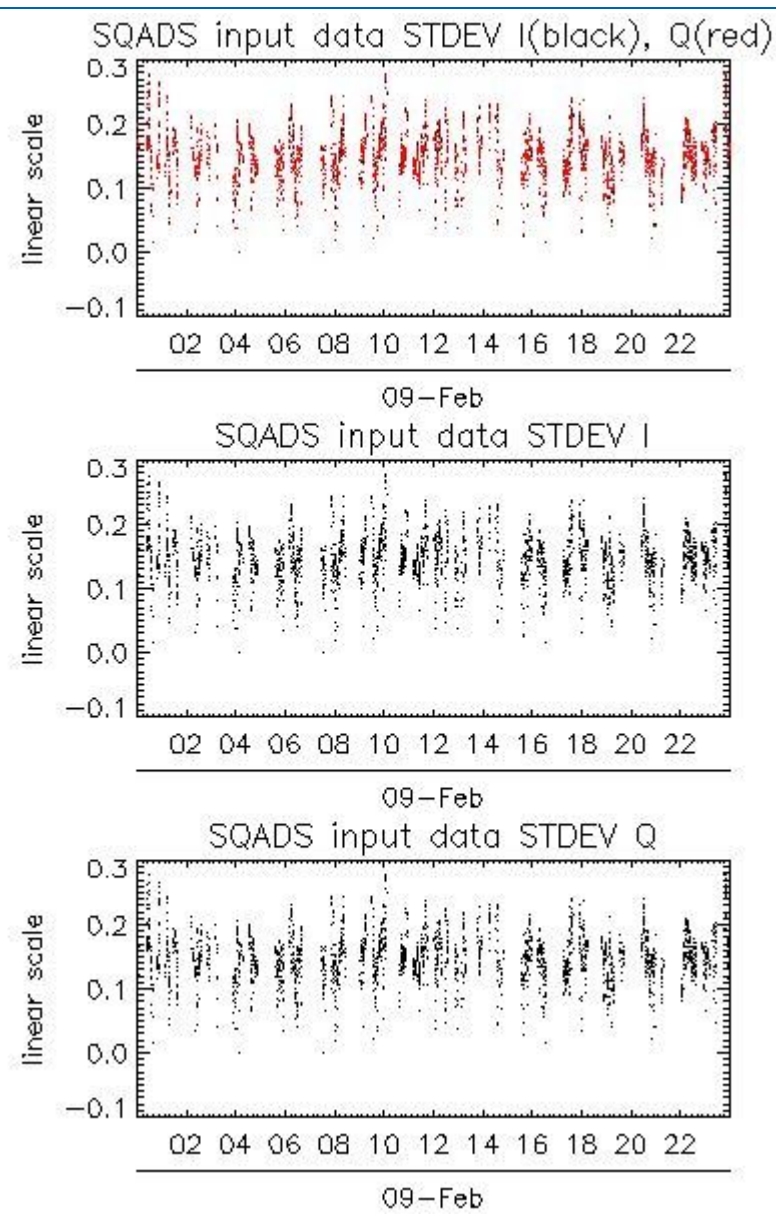
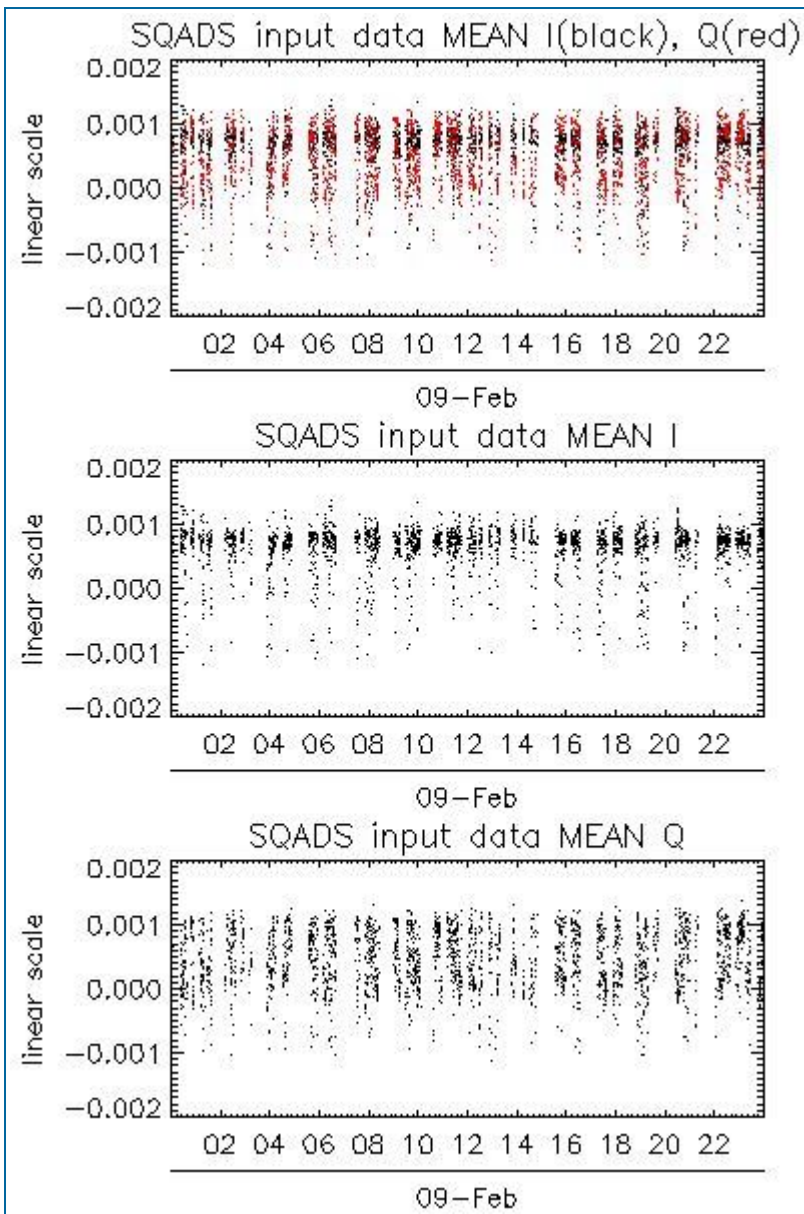
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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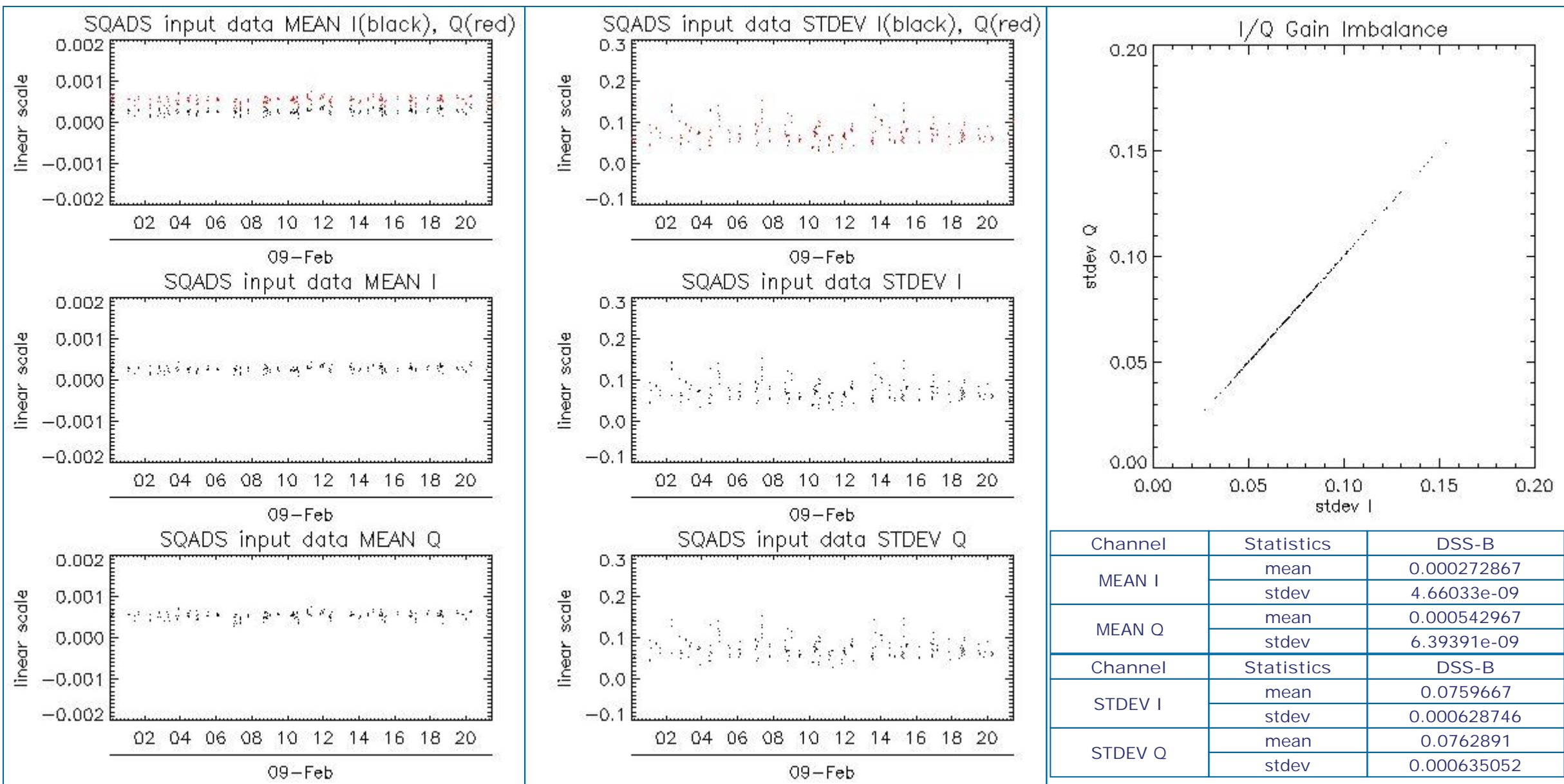


Channel	Statistics	DSS-B
MEAN I	mean	0.000626335
	stdev	1.41909e-07
MEAN Q	mean	0.000466791
	stdev	2.13108e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.149739
	stdev	0.00147179
STDEV Q	mean	0.150318
	stdev	0.00150196

7.2 - Analysis for IMM

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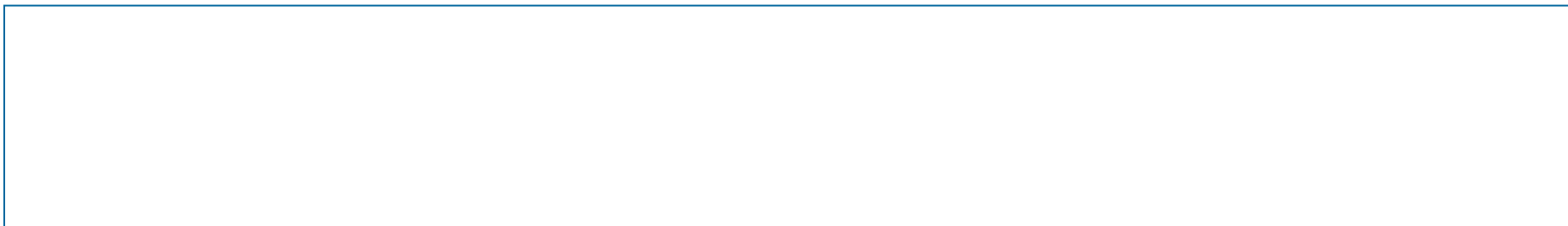


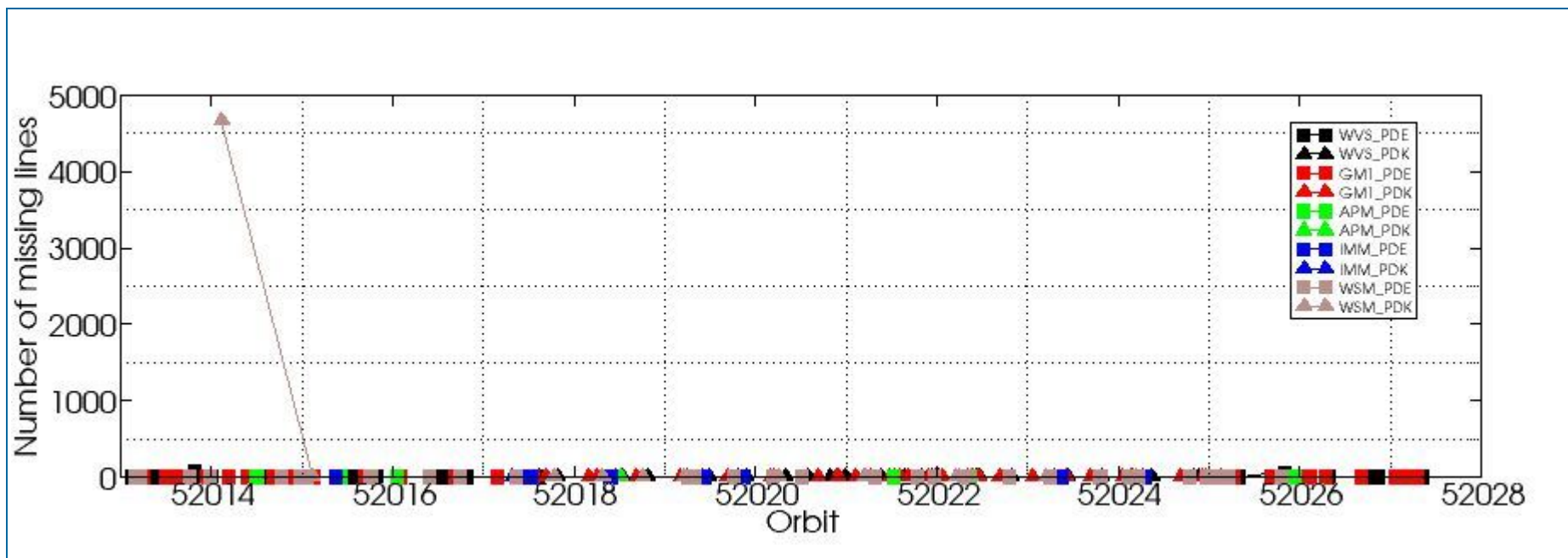
## 8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WVS_1PNPDE20120209_010940_000004353111_00275_52013_8937.N1	0	88
PDE	ASA_WVS_1PNPDE20120209_010940_000004353111_00275_52013_8935.N1	0	88
PDE	ASA_WVS_1PNPDE20120209_053419_000009893111_00278_52016_9034.N1	1	0
PDE	ASA_WVS_1PNPDE20120209_211354_000000153111_00287_52025_9246.N1	0	64
PDE	ASA_WVS_1PNPDE20120209_225241_000003903111_00288_52026_9273.N1	1	0
PDK	ASA_WVS_1PNPDK20120209_130934_000005703111_00282_52020_4811.N1	0	8
PDK	ASA_WSM_1PNPDK20120209_014003_000000923111_00276_52014_4632.N1	15	4675

### 8.1 - Number of Missing lines

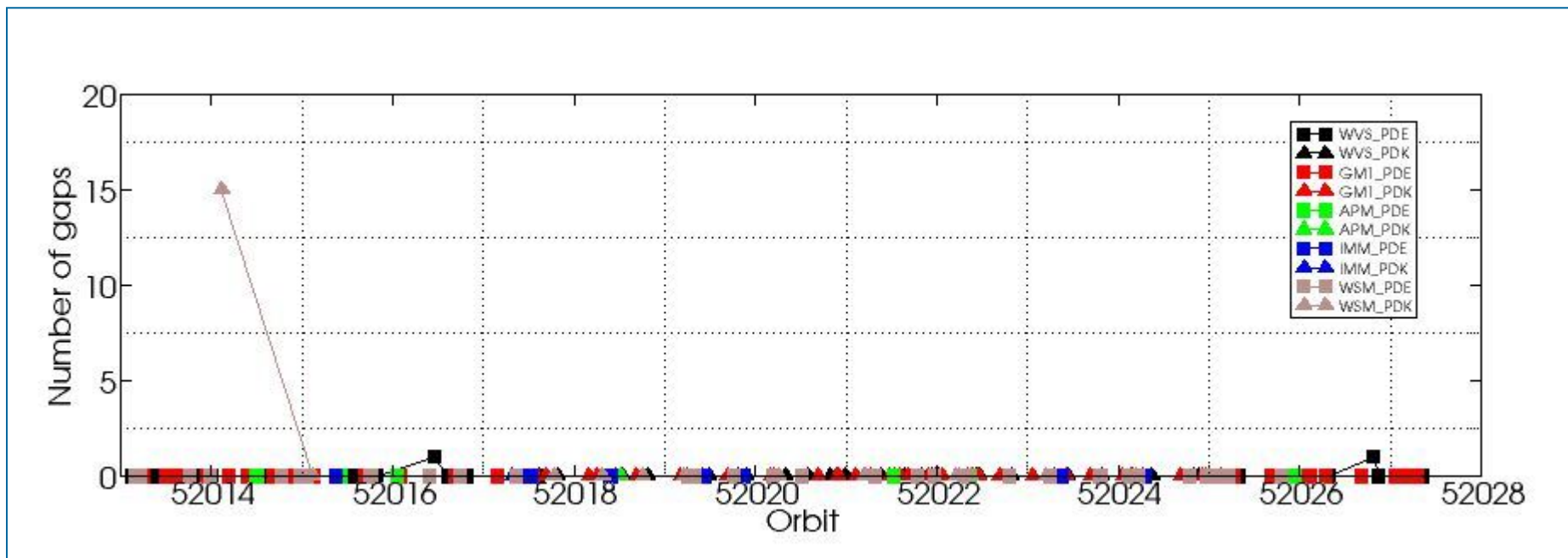
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 120209  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2012-02-09 00:00:00

Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_120209/

DATA SUMMARY  
#####  
Summary will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_120209/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_120209/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_120209/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_120209/AUXILIARY

Creating directory ./RESULTS/DAILY/\_120209/AUXILIARY...

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





ASA_GM1_1PNPDK20120209_144831_000001693111_00283_52021_4840.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_145549_000008703111_00284_52022_4844.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_152420_000001753111_00284_52022_4861.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_153012_000001933111_00284_52022_4863.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_153612_000009093111_00284_52022_4864.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_155854_000006773111_00284_52022_4866.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_163507_000009243111_00285_52023_4869.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_165932_000005733111_00285_52023_4888.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_171239_000001143111_00285_52023_4889.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_173908_000006833111_00285_52023_4891.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_181552_000003983111_00286_52024_4892.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_182407_000002173111_00286_52024_4897.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_182627_000002413111_00286_52024_4909.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_183820_000001503111_00286_52024_4910.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_191924_000006043111_00286_52024_4913.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_194324_000000963111_00286_52024_4912.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_194622_000001023111_00286_52024_4915.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_195023_000005493111_00286_52024_4916.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20120209_200337_000000603111_00287_52025_4918.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

\*\*\*\*\*

Analysing APM products...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_APM.txt...

ASA_APM_1PNPDE20120209_021727_00000433111_00276_52014_8965.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_021846_00000433111_00276_52014_8966.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_022007_00000573111_00276_52014_8967.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_035202_00000703111_00277_52015_8964.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_045321_000002693111_00278_52016_9022.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_072013_00000433111_00279_52017_9062.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_072136_00000493111_00279_52017_9064.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_103038_00000433111_00281_52019_9143.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_140132_00000843111_00283_52021_9211.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_152718_00000423111_00284_52022_9215.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20120209_212535_00000683111_00287_52025_9249.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20120209_090040_00000433111_00280_52018_4743.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

\*\*\*\*\*

Analysing IMM products...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA_IMM_1PNPDE20120209_034629_000002153111_00277_52015_8961.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_070827_00000373111_00279_52017_9058.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_072228_000001123111_00279_52017_9063.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_084833_00000373111_00280_52018_9105.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_084949_000002513111_00280_52018_9113.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_103252_000002583111_00281_52019_9144.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_111738_000001283111_00281_52019_9171.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_170905_000002003111_00285_52023_9222.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20120209_184052_000002363111_00286_52024_9230.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20120209_065950_000002763111_00279_52017_4696.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20120209_083927_00000843111_00280_52018_4721.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

\*\*\*\*\*

Analysing WSM products...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/\_120209/AUXILIARY/Check\_ADFs\_WSM.txt...





Exporting results to the directory ../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1  
Test product: ASA\_MS\_\_0PNPDK20120209\_105640\_000000163111\_00281\_52019\_1021.N1  
H  
H  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20120209\_105640-20010209\_135042.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20120209\_105640-20010209\_135042.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20120209\_105640-20010209\_135042.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20120209\_105640-20010209\_135042.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1  
Test product: ASA\_MS\_\_0PNPDK20120209\_123654\_000000163111\_00282\_52020\_1022.N1  
V  
V  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20120209\_123654-20010209\_140823.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20120209\_123654-20010209\_140823.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20120209\_123654-20010209\_140823.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20120209\_123654-20010209\_140823.png

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

Exporting results to the directory ../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20120208\_113325\_000000163111\_00267\_52005\_1019.N1  
Test product: ASA\_MS\_\_0PNPDK20120209\_105640\_000000163111\_00281\_52019\_1021.N1  
H  
H  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20120209\_105640-20120208\_113325.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20120209\_105640-20120208\_113325.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20120209\_105640-20120208\_113325.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20120209\_105640-20120208\_113325.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20120208\_131339\_000000163111\_00268\_52006\_1020.N1  
Test product: ASA\_MS\_\_0PNPDK20120209\_123654\_000000163111\_00282\_52020\_1022.N1  
V  
V  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20120209\_123654-20120208\_131339.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20120209\_123654-20120208\_131339.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20120209\_123654-20120208\_131339.png  
../../RESULTS/DAILY/\_120209/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20120209\_123654-20120208\_131339.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES...

\*\*\*\*\*  
\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59

Analysing products WVS IS2 V/V  
1 86337 7 86337  
Writing image ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
1 38113 7 38113



Writing image ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
TEMPORAL EVOLUTION Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59

Analysing products WVS IS2 V/V  
Getting calibration pulses data for WVS IS2 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2012-02-09\_1.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2012-02-09\_2.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2012-02-09\_3.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2012-02-09\_4.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
Writing ../../RESULTS/DAILY/\_120209//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 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2012-02-09\_1.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2012-02-09\_2.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2012-02-09\_3.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2012-02-09 00:00:00 to 2012-02-09 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_120209/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2012-02-09\_4.dat...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/\_120209//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_120209/DOPPLER...

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

DOPPLER ANX Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...

Writing file ./RESULTS/DAILY/\_120209/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2012-02-09.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_120209/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...

Writing file ./RESULTS/DAILY/\_120209/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2012-02-09.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_120209/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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

DOPPLER JUMPS Analysis will be performed on WSM products from 2012-02-09 00:00:00 to 2012-02-09 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...

Writing file ./RESULTS/DAILY/\_120209/DOPPLER/Doppler\_Jumps\_data\_WSM\_2012-02-09.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_120209/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...

Writing file ../../RESULTS/DAILY/\_120209/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

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

DOPPLER MAP Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59

Analysing products WVS IS2 V/V

1463

Loading predicted doppler values....

./PREDICTED\_DOPPLER/doppler.WV\_2

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -33.445302 Hz

Writing file ../../RESULTS/DAILY/\_120209//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_120209//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

1237

Loading predicted doppler values....

./PREDICTED\_DOPPLER/doppler.WV\_2

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -32.966417 Hz

Writing file ../../RESULTS/DAILY/\_120209//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../../RESULTS/DAILY/\_120209//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_asc.jpg...

\*\*\*\*\*

Analysing products GM1 SS1 H/H

2509

Loading predicted doppler values....

./PREDICTED\_DOPPLER/doppler.GM\_1

Phase: descending

Found data...

```
Computing mean error doppler estimated-predicted...
Mean error = -5.1017183 Hz
Writing file ../../RESULTS/DAILY/_120209//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_120209//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
```

\*\*\*\*\*

```
2331
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.GM_1
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -13.629467 Hz
Writing file ../../RESULTS/DAILY/_120209//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_120209//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
```

\*\*\*\*\*

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_120209/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...
Writing file ./RESULTS/DAILY/_120209/CHIRP/ScaleFactor_data_WSM_SS1_HH_2012-02-09.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_120209/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_120209/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...
Writing file ./RESULTS/DAILY/_120209/CHIRP/ScaleFactor_data_WSM_SS1_VV_2012-02-09.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_120209/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_120209/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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

```
RAW DATA ANALYSIS
#####
Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_120209/RAW_DATA
```

```
Creating directory ./RESULTS/DAILY/_120209/RAW_DATA...
```

```
*****
Getting raw data for WVS from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...
```

Writing file ./RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_WVS\_2012-02-09.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

\*\*\*\*\*  
Getting raw data for IMM from 2012-02-09 00:00:00 to 2012-02-09 23:59:59...  
Writing file ./RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_IMM\_2012-02-09.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_120209/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed  
#####

TELEMETRY ANALYSIS  
#####  
Analysis will be performed from 2012-02-09 00:00:00 to 2012-02-09 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_120209/TELEMETRY

Creating directory ./RESULTS/DAILY/\_120209/TELEMETRY...

Looking for gaps and missing lines in WVS products...  
\*\*\*\*\*  
Checking 29 products from PDE...  
Found product...ASA\_WVS\_1PNPDE20120209\_010940\_000004353111\_00275\_52013\_8937.N1 / 0 gaps / 88 missing lines  
Found product...ASA\_WVS\_1PNPDE20120209\_010940\_000004353111\_00275\_52013\_8935.N1 / 0 gaps / 88 missing lines  
Found product...ASA\_WVS\_1PNPDE20120209\_053419\_000009893111\_00278\_52016\_9034.N1 / 1 gaps / 0 missing lines  
Found product...ASA\_WVS\_1PNPDE20120209\_211354\_00000153111\_00287\_52025\_9246.N1 / 0 gaps / 64 missing lines  
Found product...ASA\_WVS\_1PNPDE20120209\_225241\_000003903111\_00288\_52026\_9273.N1 / 1 gaps / 0 missing lines  
Checking 24 products from PDK...  
Found product...ASA\_WVS\_1PNPDK20120209\_130934\_000005703111\_00282\_52020\_4811.N1 / 0 gaps / 8 missing lines

Looking for gaps and missing lines in GM1 products...  
\*\*\*\*\*  
Checking 34 products from PDE...  
Checking 40 products from PDK...

Looking for gaps and missing lines in APM products...  
\*\*\*\*\*  
Checking 11 products from PDE...  
Checking 1 products from PDK...

Looking for gaps and missing lines in IMM products...  
\*\*\*\*\*  
Checking 9 products from PDE...  
Checking 2 products from PDK...

Looking for gaps and missing lines in WSM products...  
\*\*\*\*\*  
Checking 30 products from PDE...  
Checking 14 products from PDK...  
Found product...ASA\_WSM\_1PNPDK20120209\_014003\_00000923111\_00276\_52014\_4632.N1 / 15 gaps / 4675 missing lines

Creating graph of missing lines and gaps...  
\*\*\*\*\*  
Creating image: ./RESULTS/DAILY/\_120209/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/\_120209/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed  
#####

HTML REPORT generation  
#####

Building file ./RESULTS/DAILY/\_120209/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_1PNPDE20120209_021727_000000433111_00276_52014_8965.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_021846_000000433111_00276_52014_8966.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_022007_000000573111_00276_52014_8967.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_035202_000000703111_00277_52015_8964.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_045321_000002693111_00278_52016_9022.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_072013_000000433111_00279_52017_9062.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_072136_000000493111_00279_52017_9064.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_103038_000000433111_00281_52019_9143.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_140132_000000843111_00283_52021_9211.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_152718_000000423111_00284_52022_9215.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20120209_212535_000000683111_00287_52025_9249.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20120209_090040_000000433111_00280_52018_4743.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_1PNPDE20120209_000726_000001933111_00275_52013_8928.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_001318_000005613111_00275_52013_8930.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_003856_000001143111_00275_52013_8931.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_004144_000003503111_00275_52013_8933.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_005649_000004413111_00275_52013_8936.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_005649_000004413111_00275_52013_8938.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_012300_000001873111_00275_52013_8963.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_014734_000011963111_00276_52014_8971.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_020848_000002053111_00276_52014_8982.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_023700_000005193111_00276_52014_8978.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_025649_000001323111_00276_52014_8977.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_025908_000003923111_00276_52014_8976.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_030717_000002593111_00276_52014_8975.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_031720_000001383111_00277_52015_8974.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_032219_000014503111_00277_52015_8972.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_035016_000001023111_00277_52015_8985.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_041716_000004283111_00277_52015_9030.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_045811_000018313111_00278_52016_9035.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_055732_000003503111_00278_52016_9067.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_064432_000009183111_00279_52017_9070.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_070915_000006283111_00279_52017_9069.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_072429_000002653111_00279_52017_9073.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_200339_000001023111_00287_52025_9237.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_201730_000004043111_00287_52025_9240.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_205936_000006283111_00287_52025_9244.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_212204_000002113111_00287_52025_9264.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_212702_000004163111_00287_52025_9265.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_213558_000003263111_00288_52026_9266.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_214225_000001203111_00288_52026_9267.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_215957_000001993111_00288_52026_9269.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_223951_000005793111_00288_52026_9274.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_231612_000000783111_00289_52027_9289.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_233052_000001813111_00289_52027_9290.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20120209_234150_000003263111_00289_52027_9292.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_073742_000005193111_00279_52017_4709.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_082525_000006283111_00280_52018_4711.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_083433_000002953111_00280_52018_4741.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_085408_000003923111_00280_52018_4742.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_091759_000004413111_00280_52018_4745.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_100639_000002413111_00281_52019_4746.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_101338_000001323111_00281_52019_4749.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_103141_000000663111_00281_52019_4768.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_105813_000004473111_00281_52019_4771.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_114612_000001813111_00282_52020_4772.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_115050_000003023111_00282_52020_4774.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_123826_000007793111_00282_52020_4807.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_125859_000000843111_00282_52020_4806.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_130033_000005373111_00282_52020_4809.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_131942_000006223111_00283_52021_4810.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_133755_000002653111_00283_52021_4832.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_135747_000002233111_00283_52021_4833.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_140319_000003683111_00283_52021_4834.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_140931_000002653111_00283_52021_4835.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_141840_000006163111_00283_52021_4839.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_144022_000002353111_00283_52021_4842.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_144831_000001693111_00283_52021_4840.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_145549_000008703111_00284_52022_4844.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_152420_000001753111_00284_52022_4861.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_153012_000001933111_00284_52022_4863.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_153612_000000903111_00284_52022_4864.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_155854_000006773111_00284_52022_4866.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_163507_000009243111_00285_52023_4869.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_165932_000005733111_00285_52023_4888.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_171239_000001143111_00285_52023_4889.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20120209_173908_000006833111_00285_52023_4891.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_181552_000003983111_00286_52024_4892.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_182407_000002173111_00286_52024_4897.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_182627_000002413111_00286_52024_4909.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_183820_000001503111_00286_52024_4910.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_191924_000006043111_00286_52024_4913.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_194324_000000963111_00286_52024_4912.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_194622_000001023111_00286_52024_4915.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_195023_000005493111_00286_52024_4916.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20120209_200337_00000603111_00287_52025_4918.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_1PNPDE20120209_034629_000002153111_00277_52015_8961.N1				
ASA_IMM_1PNPDE20120209_070827_000000373111_00279_52017_9058.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_072228_000001123111_00279_52017_9063.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_084833_000000373111_00280_52018_9105.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_084949_000002513111_00280_52018_9113.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_103252_000002583111_00281_52019_9144.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_111738_000001283111_00281_52019_9171.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_170905_000002003111_00285_52023_9222.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20120209_184052_000002363111_00286_52024_9230.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20120209_065950_000002763111_00279_52017_4696.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20120209_083927_000000843111_00280_52018_4721.N1	OK	OK	OK	OK

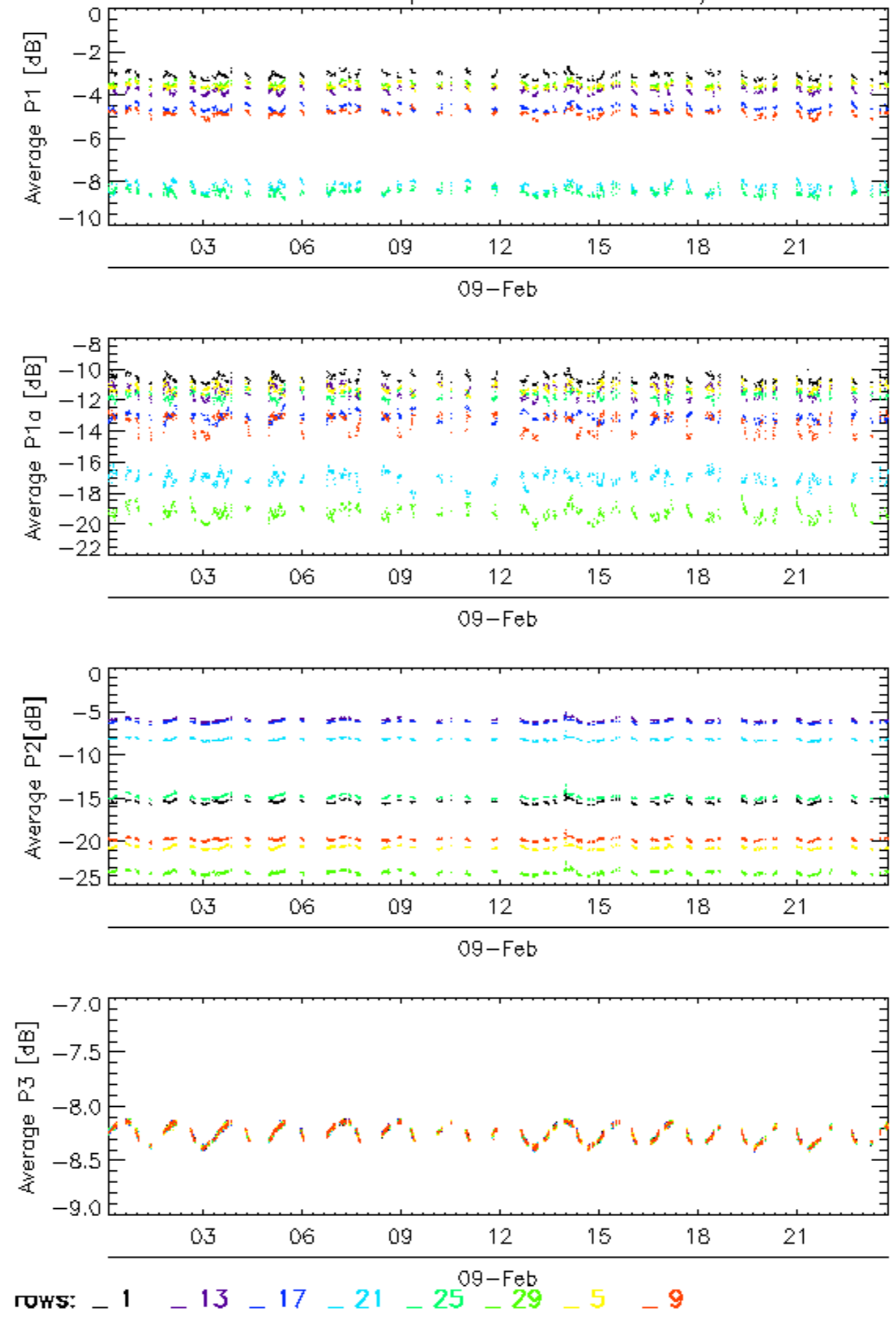
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20120209_000352_000002083111_00275_52013_8924.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_001042_000001533111_00275_52013_8925.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_010413_000002513111_00275_52013_8926.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_012608_000000923111_00275_52013_8946.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_024545_000003303111_00276_52014_8968.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_030545_000000923111_00276_52014_8969.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_031445_000000733111_00277_52015_8970.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_042425_000003923111_00277_52015_9021.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_052917_000003063111_00278_52016_9025.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_060327_000003923111_00278_52016_9061.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_070543_000000923111_00279_52017_9057.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_101559_000003733111_00281_52019_9139.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_102254_000002203111_00281_52019_9141.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_110544_000002753111_00281_52019_9170.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_114916_000000923111_00282_52020_9173.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_122058_000004043111_00282_52020_9178.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_134225_000001283111_00283_52021_9210.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_142900_000002143111_00283_52021_9212.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_144657_000000923111_00283_52021_9213.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_151909_000001353111_00284_52022_9214.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_161011_000001533111_00284_52022_9209.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_165449_000002753111_00285_52023_9221.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_175033_000001533111_00285_52023_9220.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_182231_000000923111_00286_52024_9225.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_183344_000002753111_00286_52024_9226.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_192935_000002323111_00286_52024_9229.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_194811_000001283111_00286_52024_9231.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_195942_000000923111_00287_52025_9234.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_201301_000002513111_00287_52025_9238.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20120209_211028_000001903111_00287_52025_9239.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_014003_000000923111_00276_52014_4632.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_031944_000001533111_00277_52015_4679.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_074625_000002143111_00279_52017_4716.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_084058_000003433111_00280_52018_4722.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_092523_000002753111_00280_52018_4747.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_101041_000001773111_00281_52019_4754.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_115554_000003303111_00282_52020_4784.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_133010_000001043111_00283_52021_4817.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_133209_000003433111_00283_52021_4816.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_151025_000002513111_00284_52022_4850.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_151509_000002943111_00284_52022_4846.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_152825_000001043111_00284_52022_4857.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_165038_000002883111_00285_52023_4873.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20120209_183032_000002263111_00286_52024_4903.N1					OK	OK	OK	OK

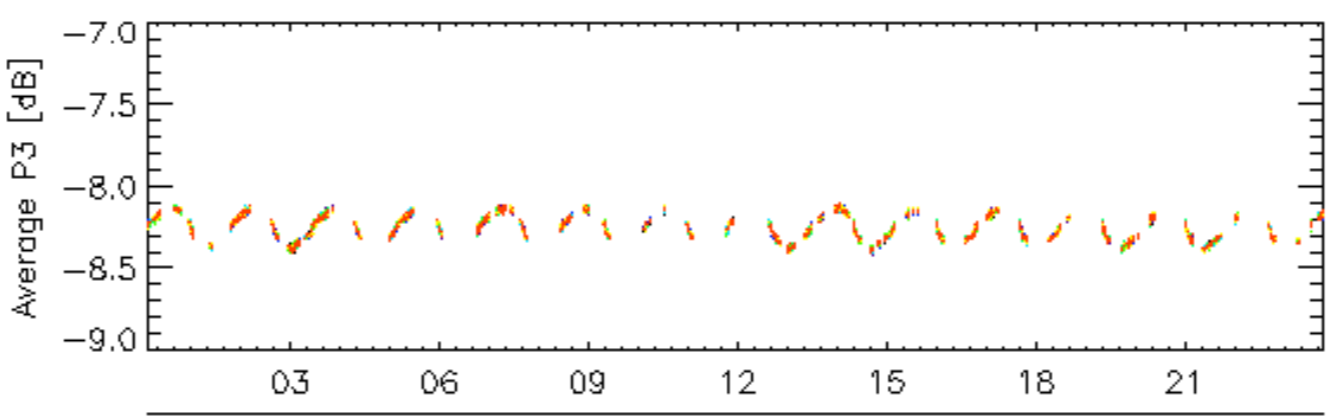
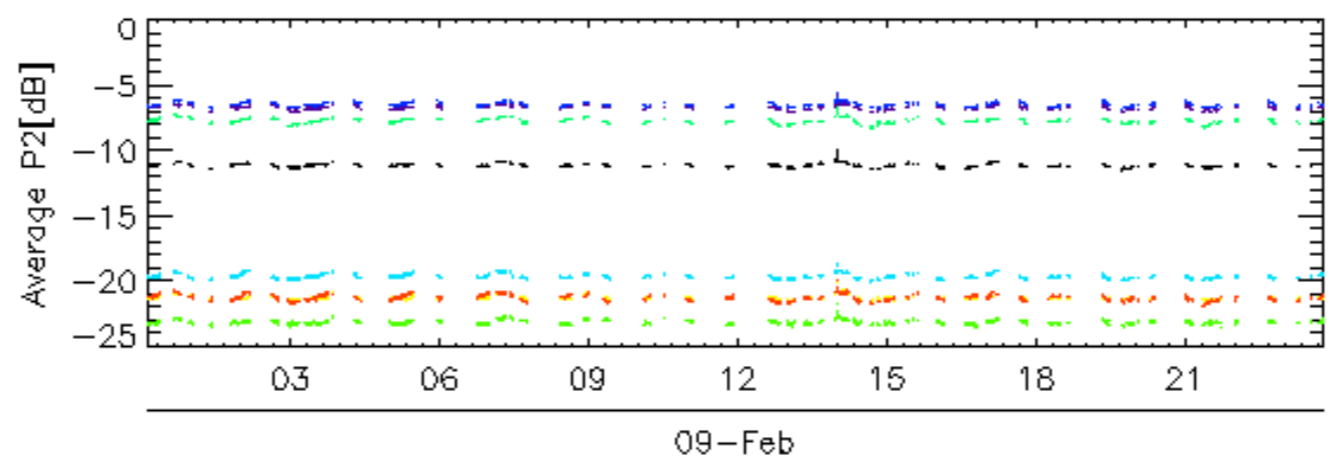
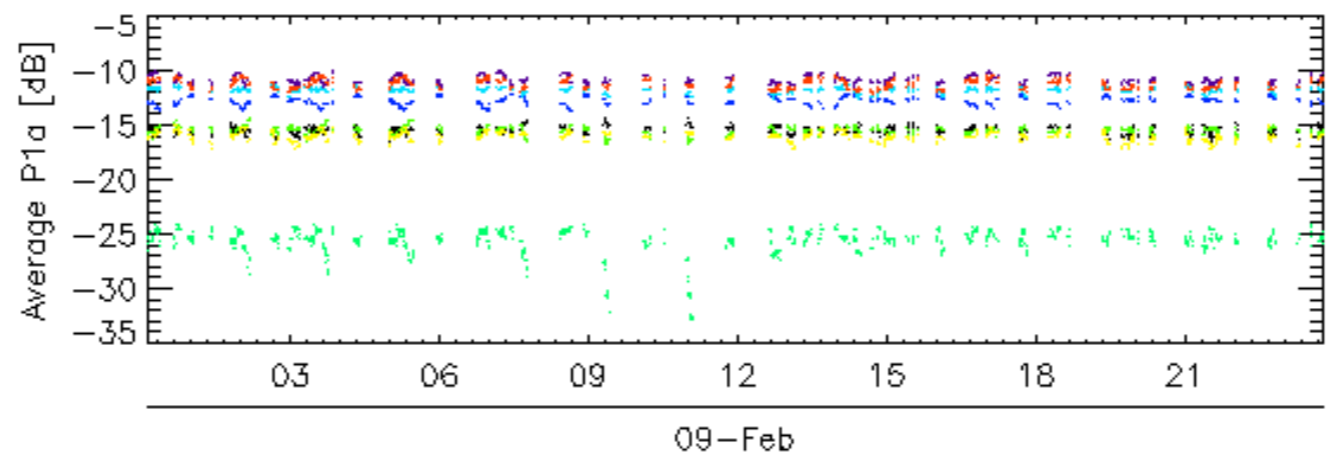
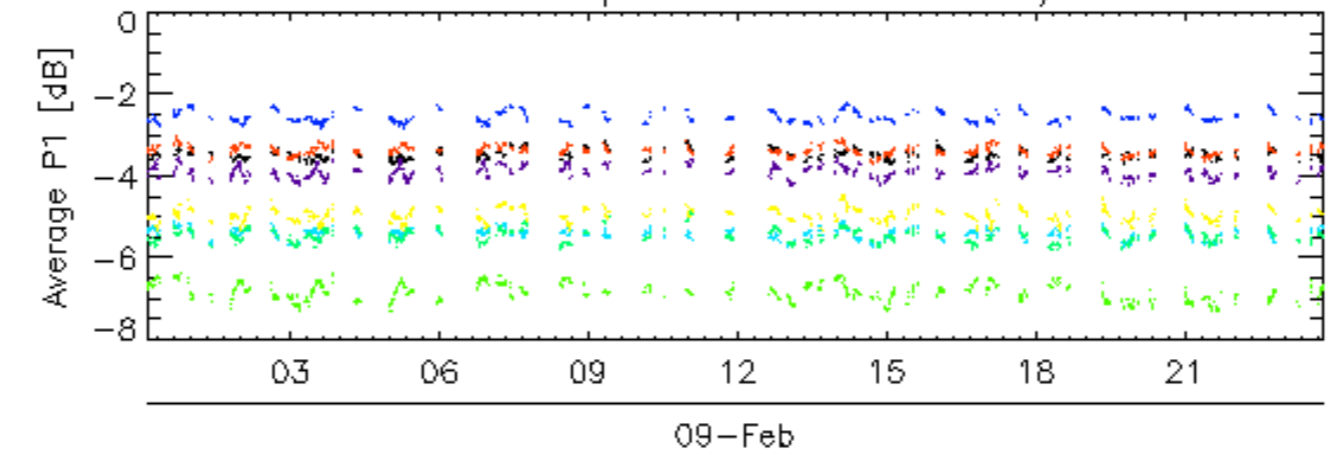
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WVS_1PNPDE20120209_002240_000009293111_00275_52013_8932.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_004735_000005103111_00275_52013_8934.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_010940_000004353111_00275_52013_8935.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_010940_000004353111_00275_52013_8937.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_011610_000002703111_00275_52013_8962.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_012806_000006743111_00275_52013_8981.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_021242_000001793111_00276_52014_8980.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_022111_000009153111_00276_52014_8979.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_025117_000002853111_00276_52014_8973.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_031139_000001493111_00277_52015_8983.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_035342_000007793111_00277_52015_8984.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_040612_000002853111_00277_52015_9028.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_041441_000001053111_00277_52015_9029.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_043058_000012743111_00277_52015_9031.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_053419_000009893111_00278_52016_9034.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_055034_000000153111_00278_52016_9065.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_055247_000002403111_00278_52016_9066.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_061022_000018443111_00278_52016_9072.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_072856_000001503111_00279_52017_9071.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_202414_000020843111_00287_52025_9243.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_211354_000000153111_00287_52025_9246.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_211354_000002253111_00287_52025_9268.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_220321_000021443111_00288_52026_9270.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_220321_000021443111_00288_52026_9272.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_225241_000003903111_00288_52026_9273.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_225811_000008243111_00288_52026_9288.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_231739_000005993111_00289_52027_9291.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20120209_234717_000008543111_00289_52027_9294.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_073056_000003603111_00279_52017_4708.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_075036_000020393111_00279_52017_4710.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_090140_000009303111_00280_52018_4744.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_093050_000020993111_00280_52018_4748.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_103808_000010793111_00281_52019_4769.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_111104_000003303111_00281_52019_4770.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_111953_000015293111_00281_52019_4773.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_120207_000010943111_00282_52020_4804.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20120209_125127_000004053111_00282_52020_4808.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20120209_130934_000005703111_00282_52020_4811.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20120209_161241_000013043111_00284_52022_4868.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20120209_193325_000001503111_00286_52024_4911.N1					OK	OK	OK	OK
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### Calibration pulses for GM1 SS3 H/H

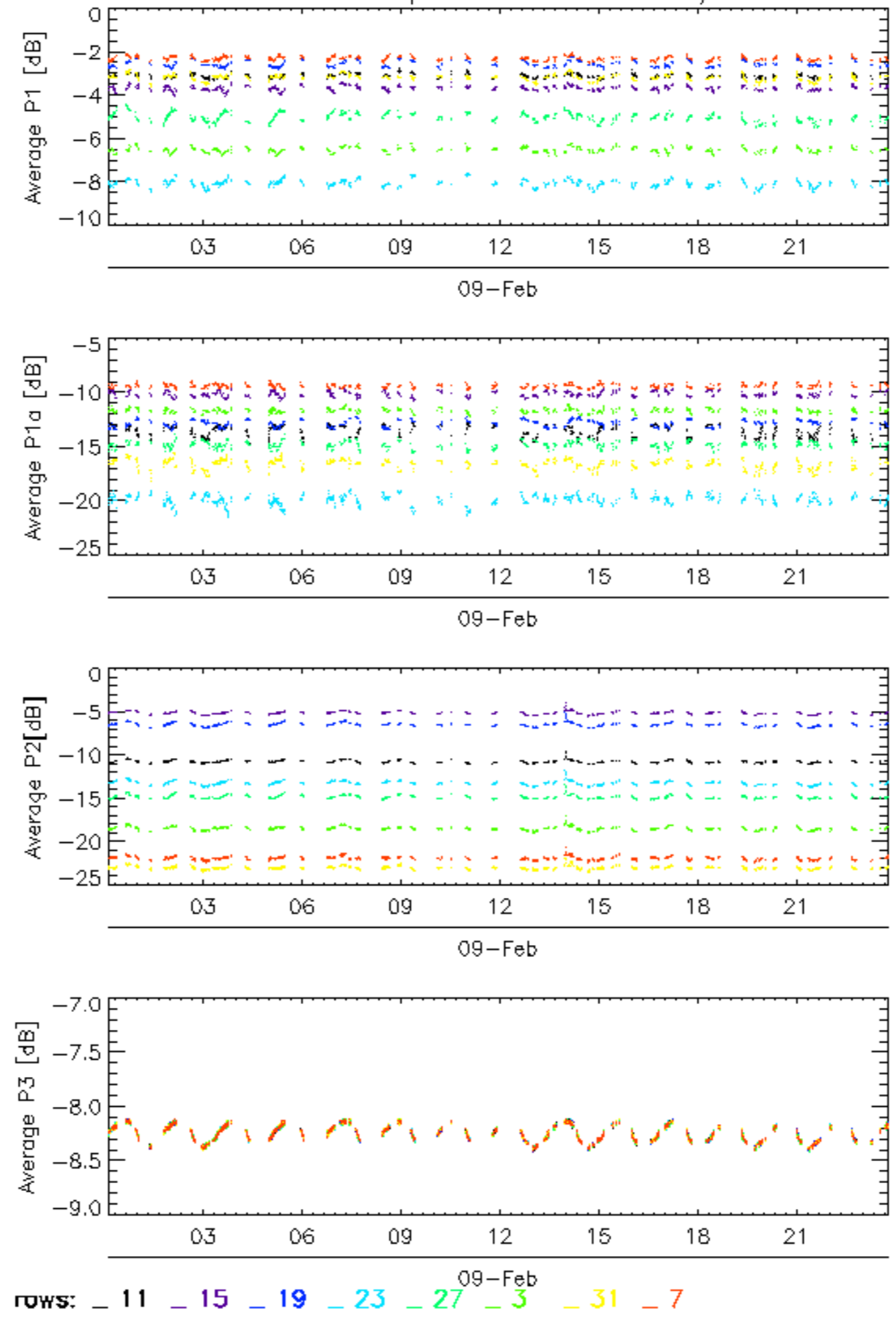


### Calibration pulses for GM1 SS3 H/H



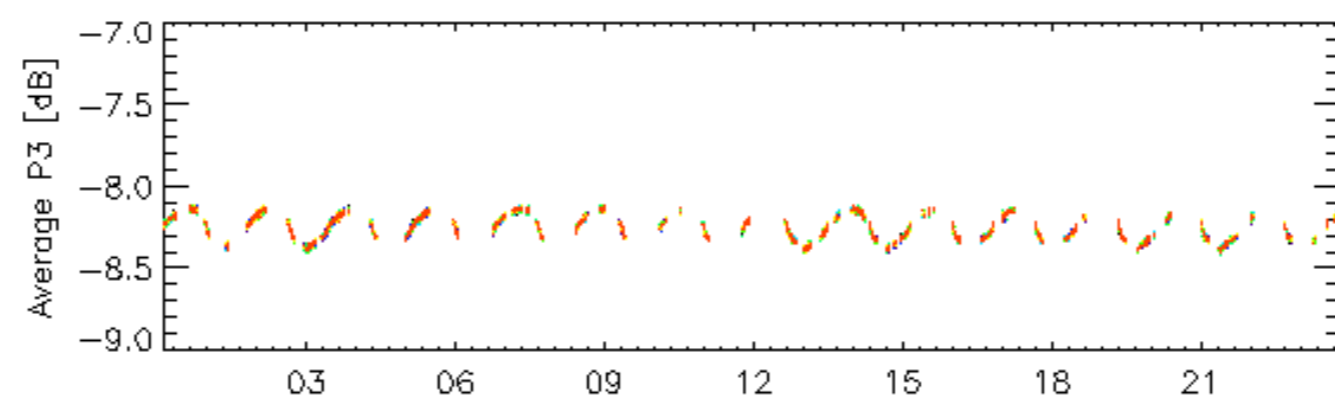
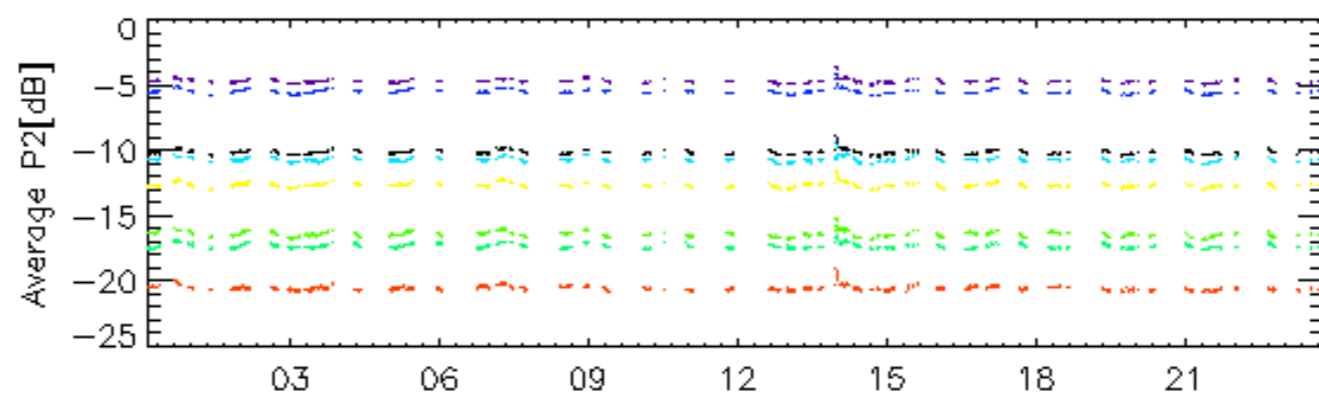
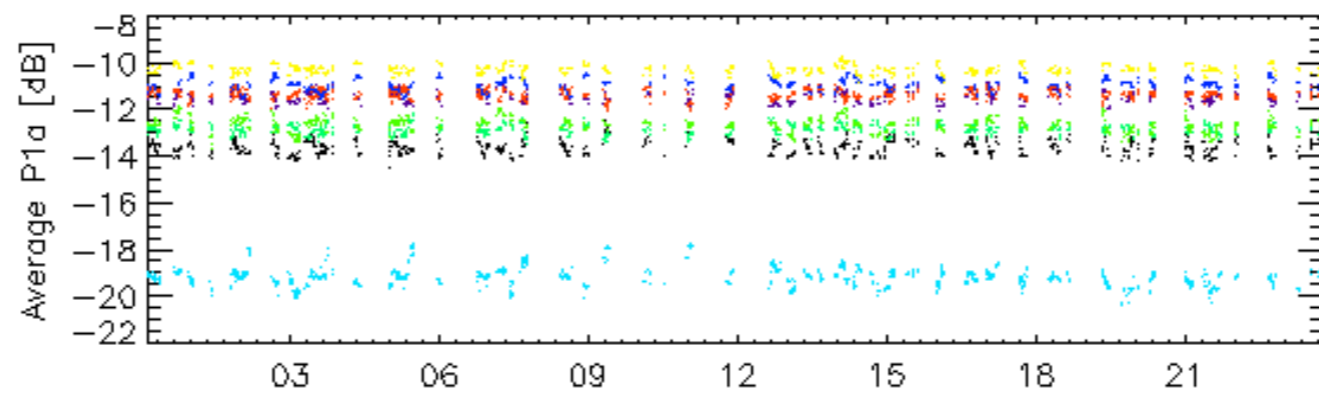
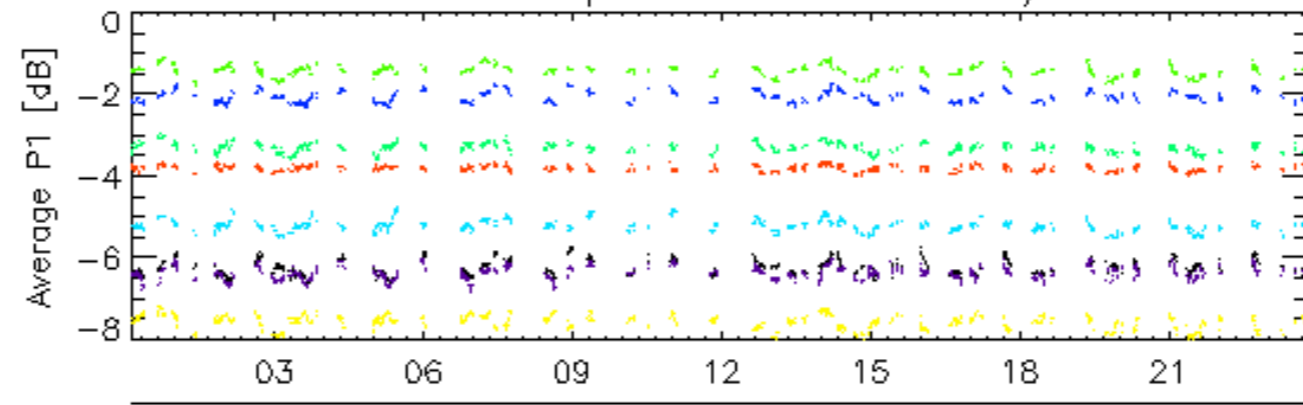
rows: 10 14 18 2 22 26 30 6

### Calibration pulses for GM1 SS3 H/H



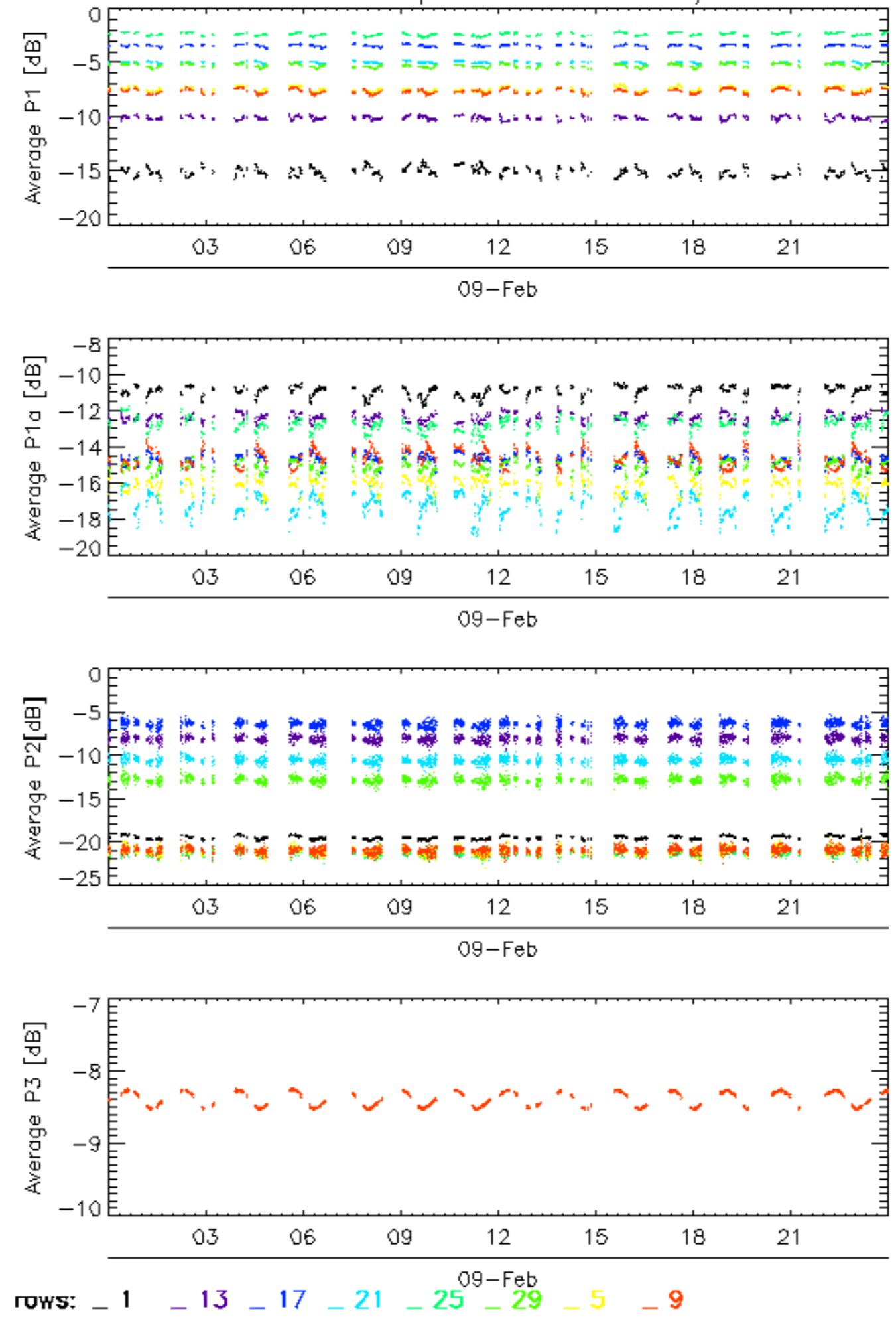


Calibration pulses for GM1 SS3 H/H

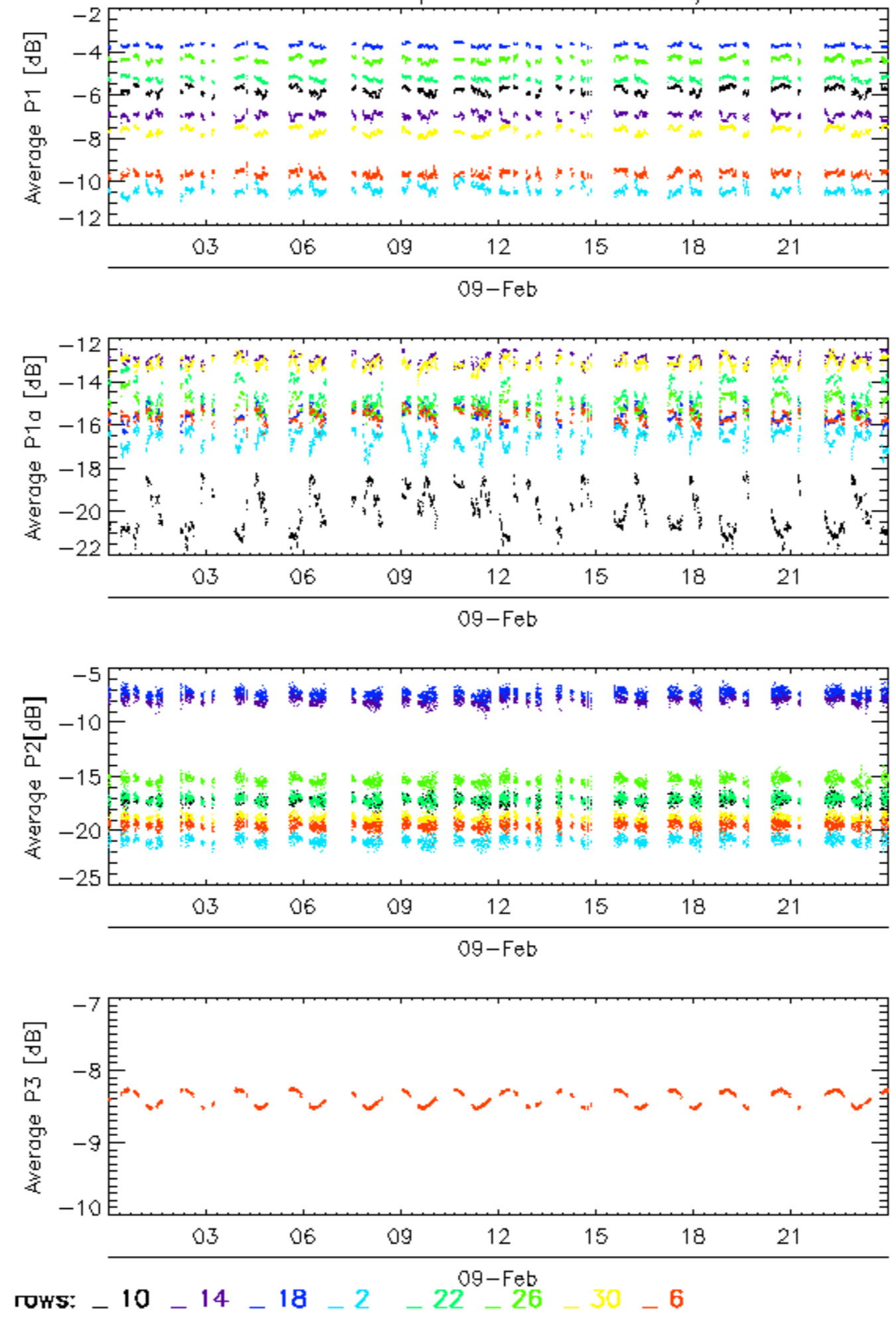


rows: 12 16 20 24 28 32 4 8

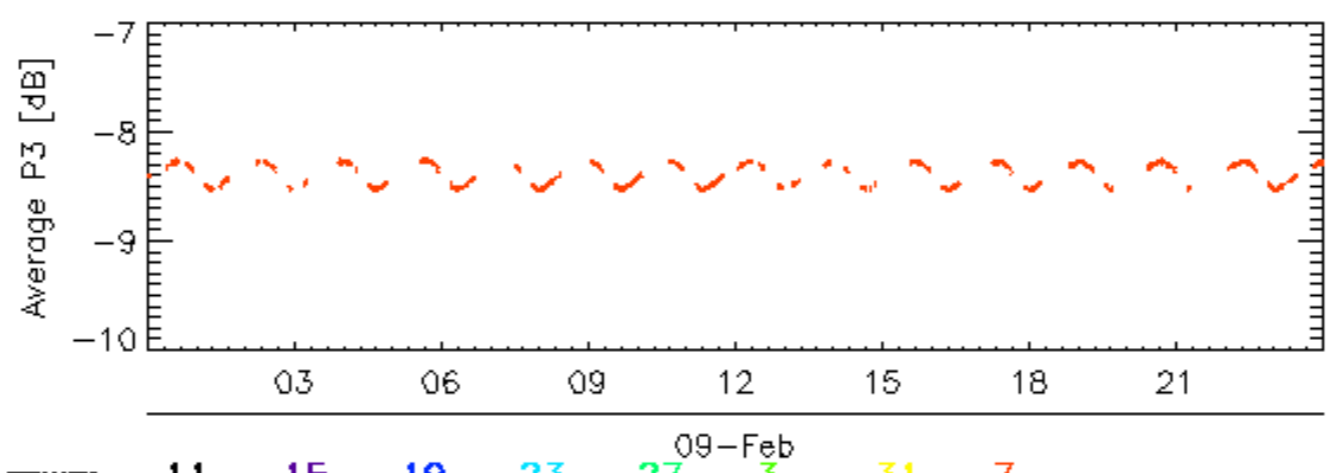
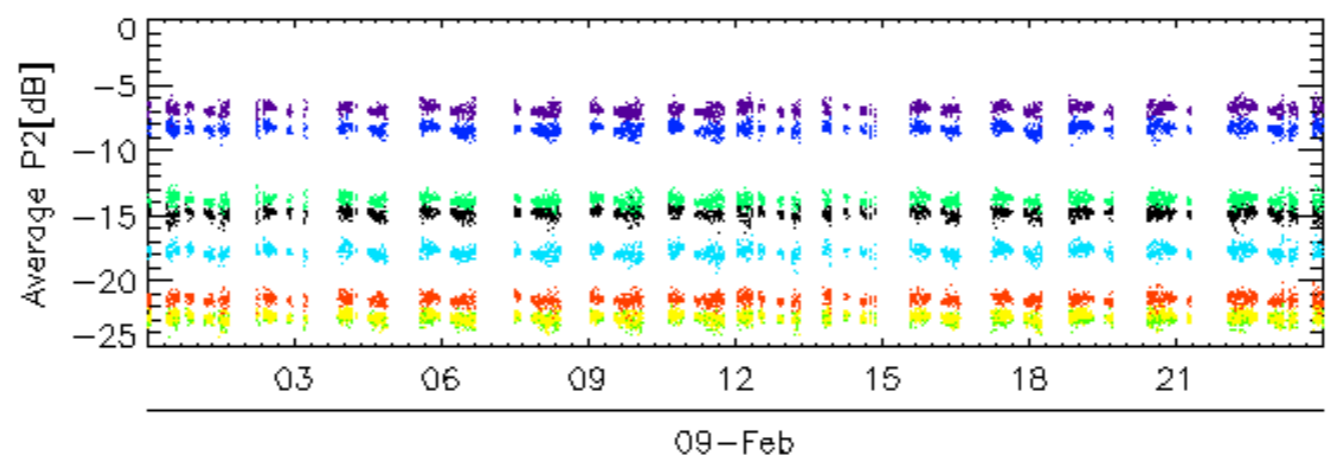
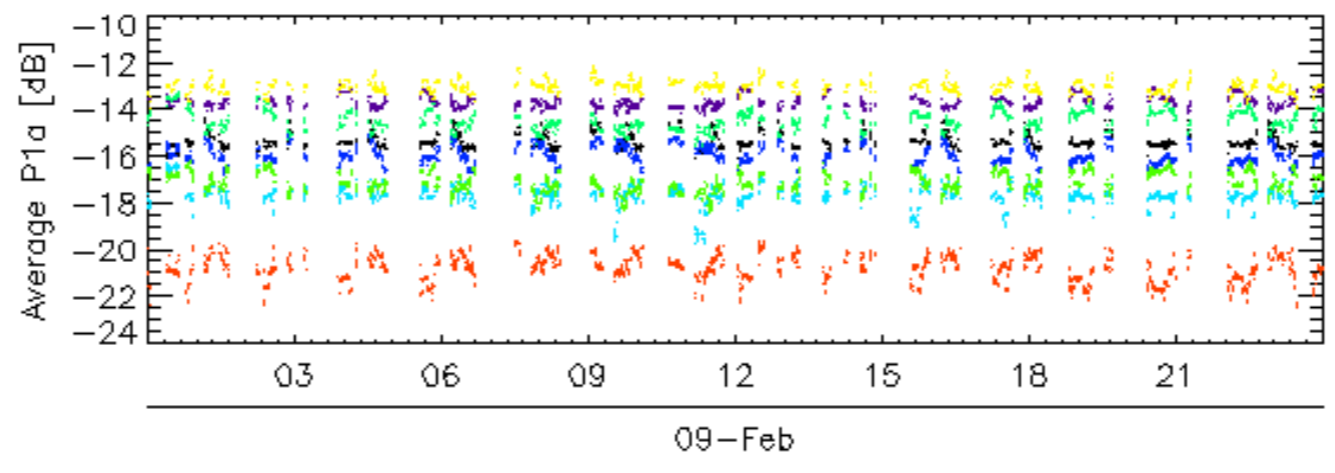
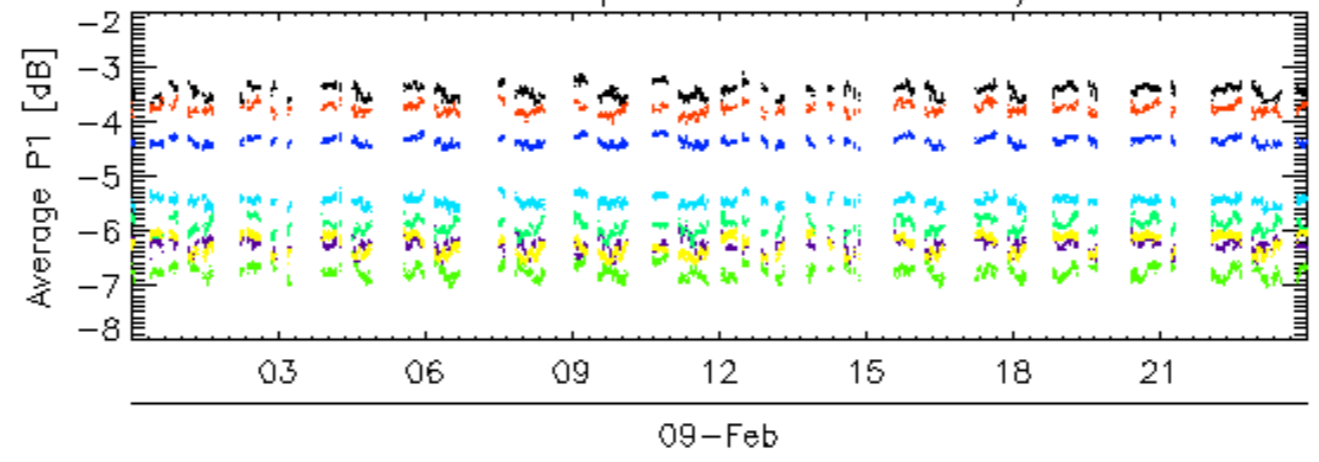
### Calibration pulses for WVS IS2 V/V



### Calibration pulses for WVS IS2 V/V

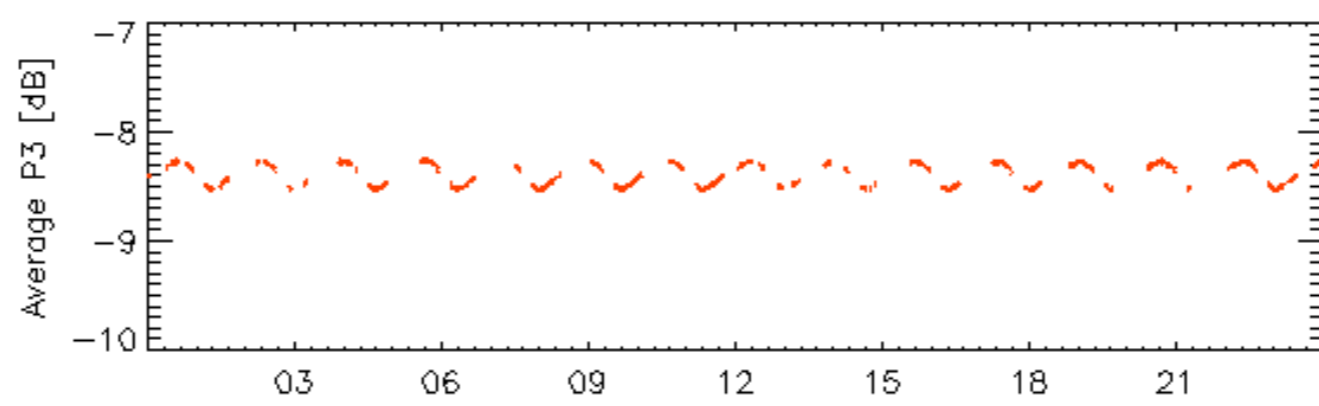
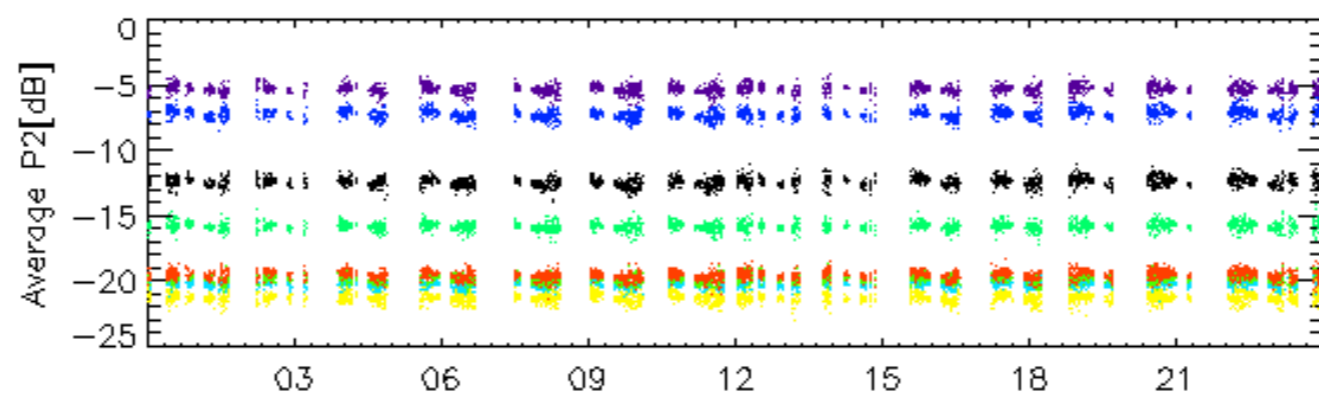
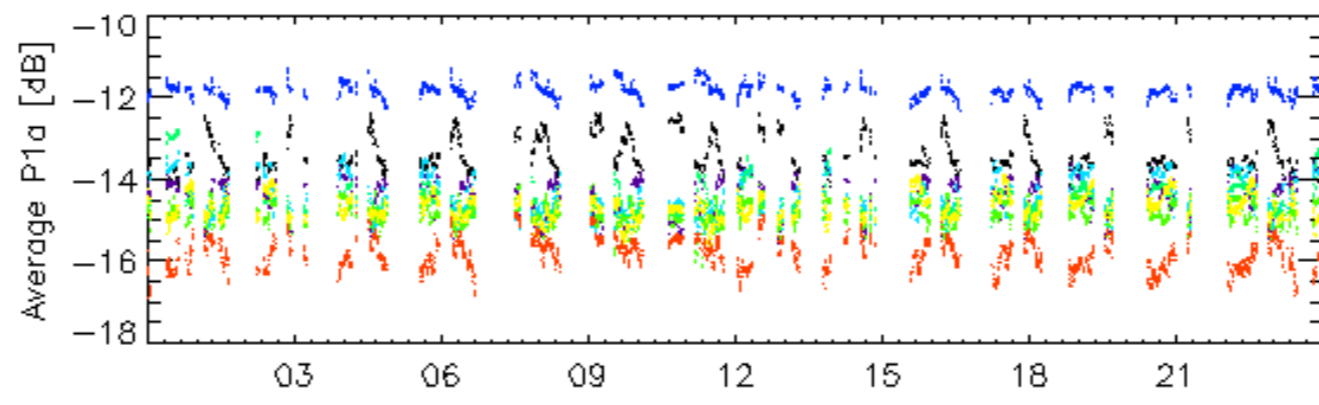
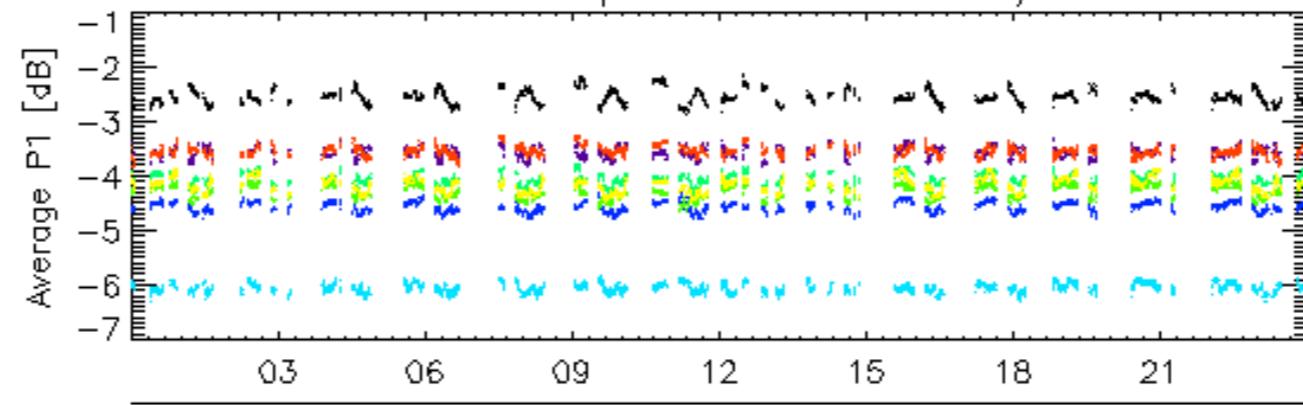


### Calibration pulses for WVS IS2 V/V

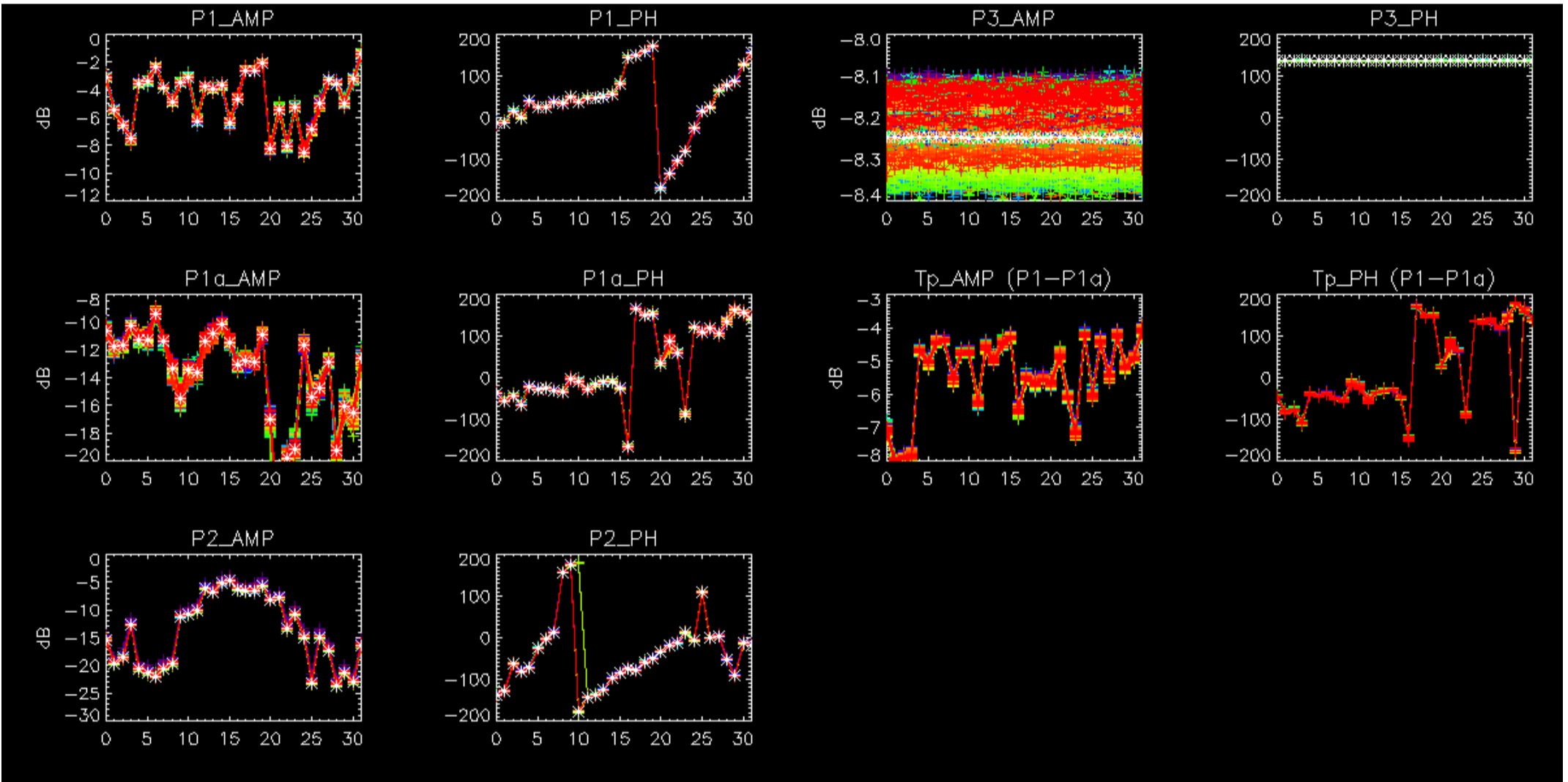


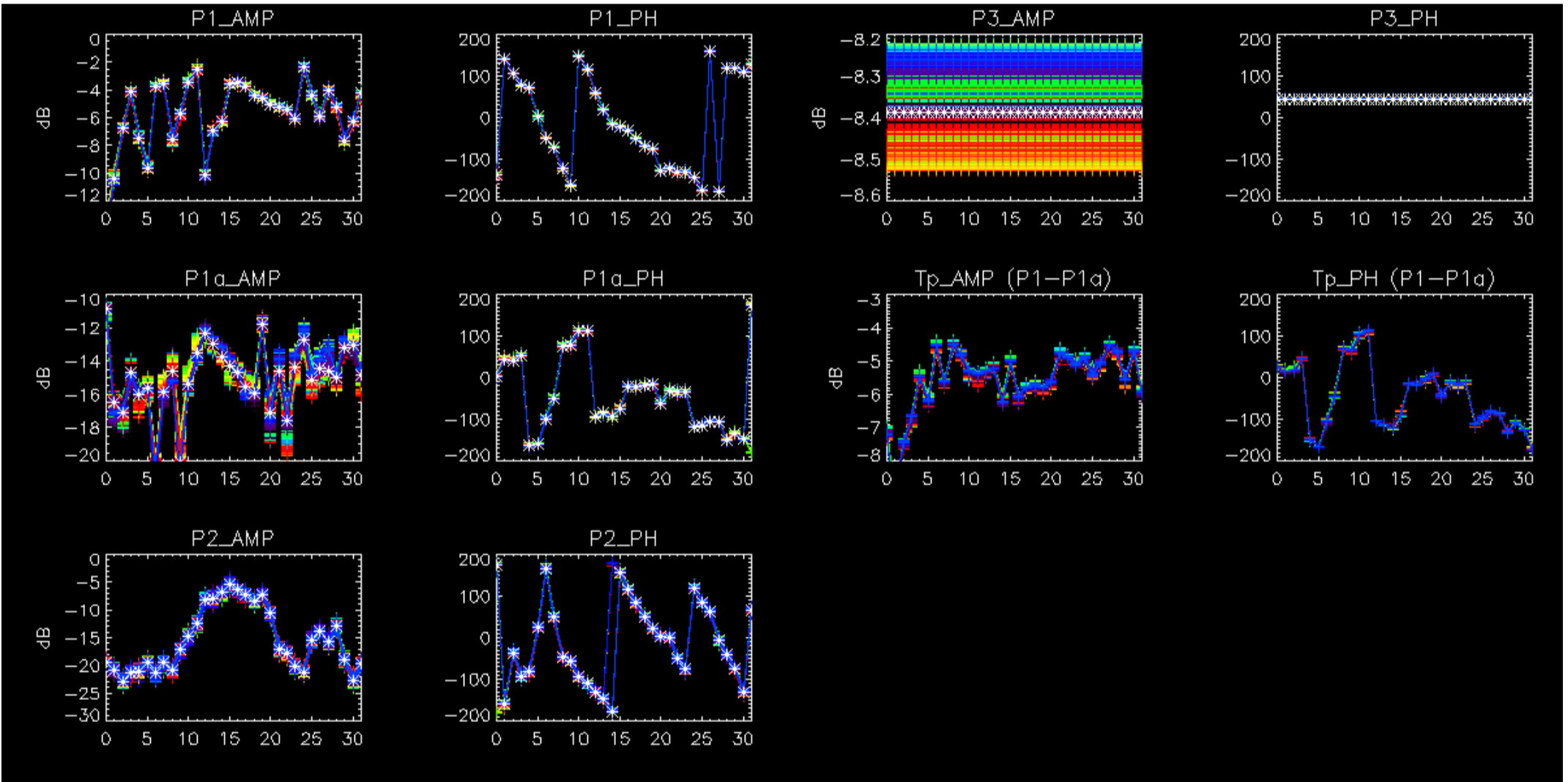
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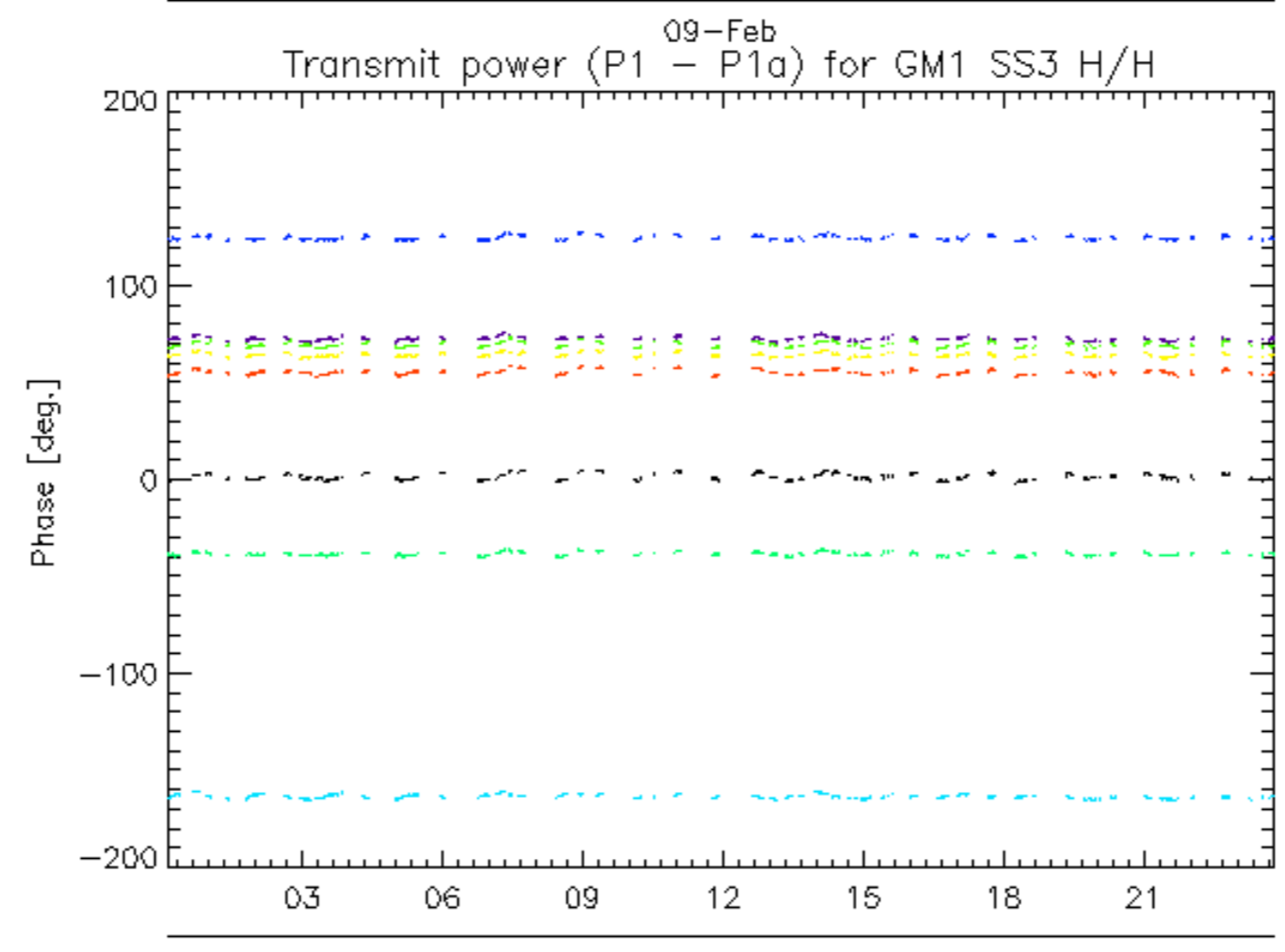
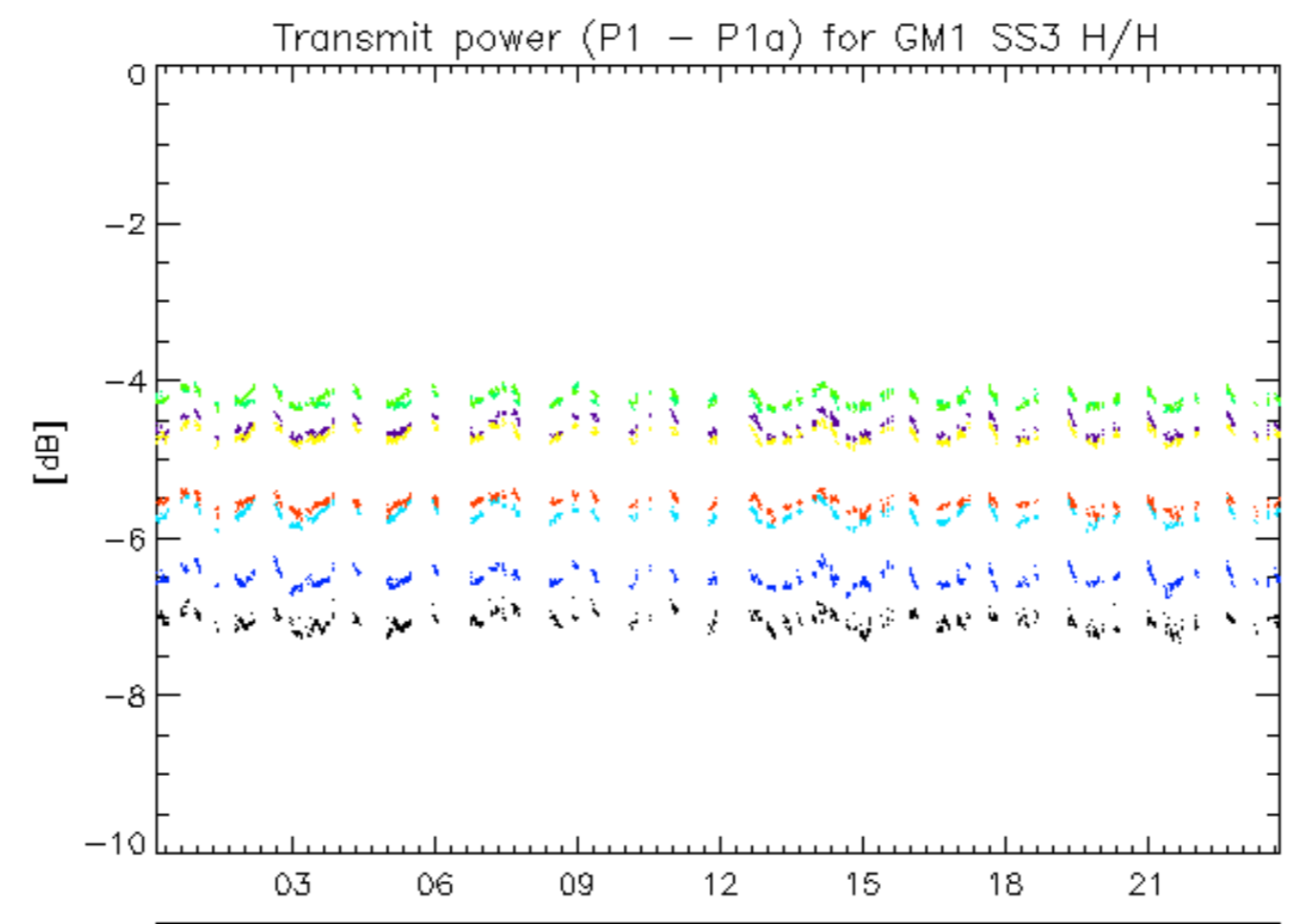
Calibration pulses for WVS IS2 V/V



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

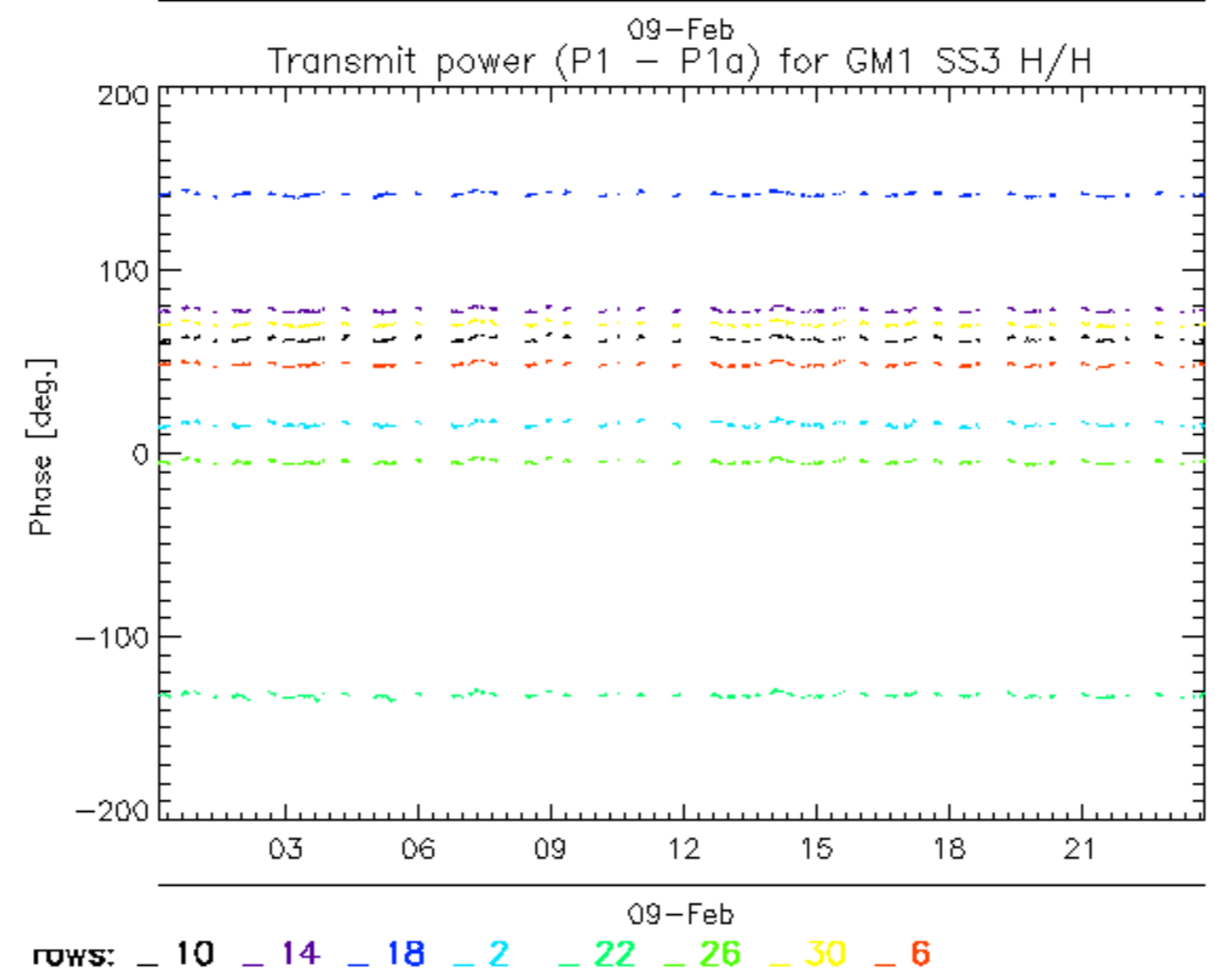
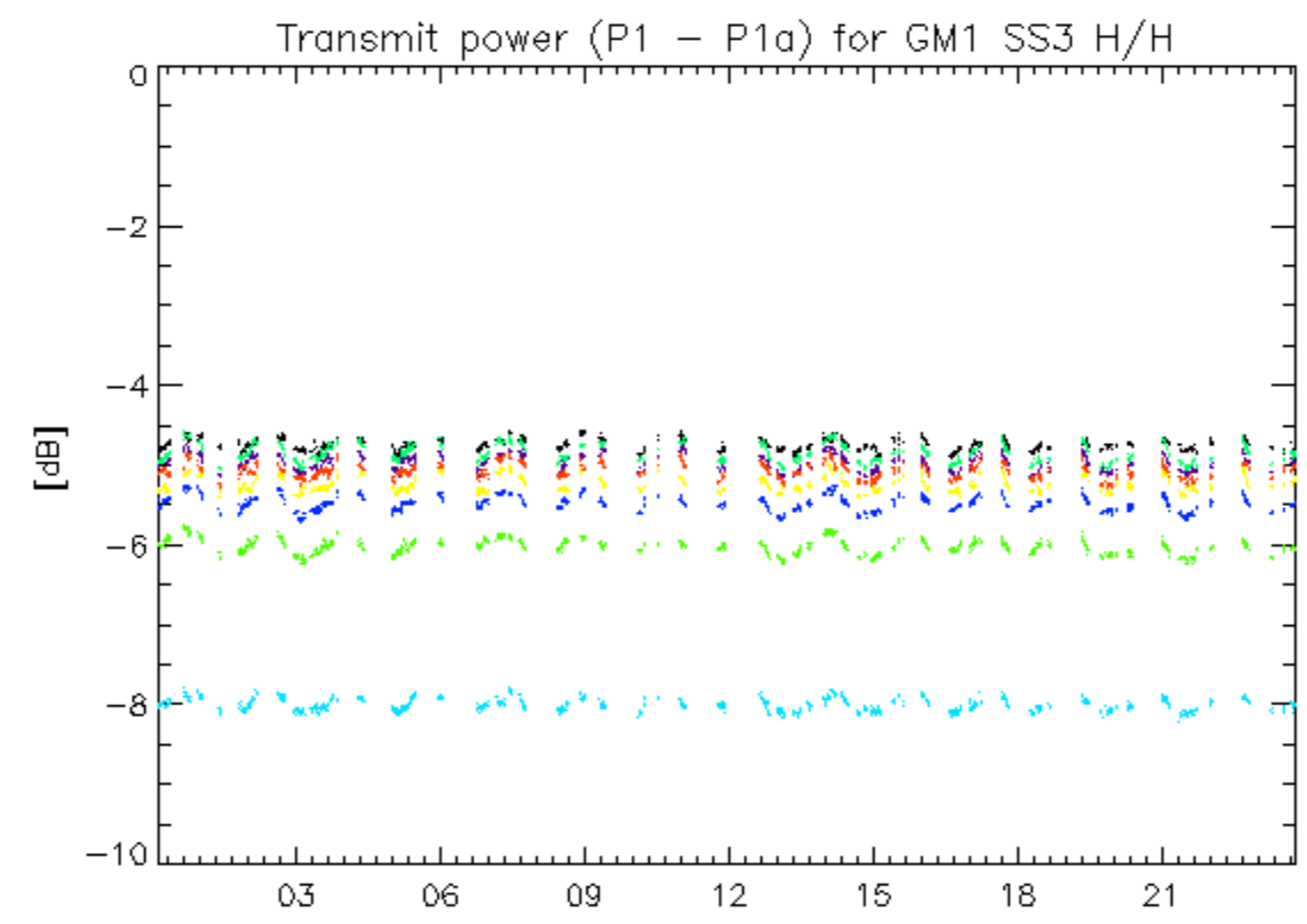


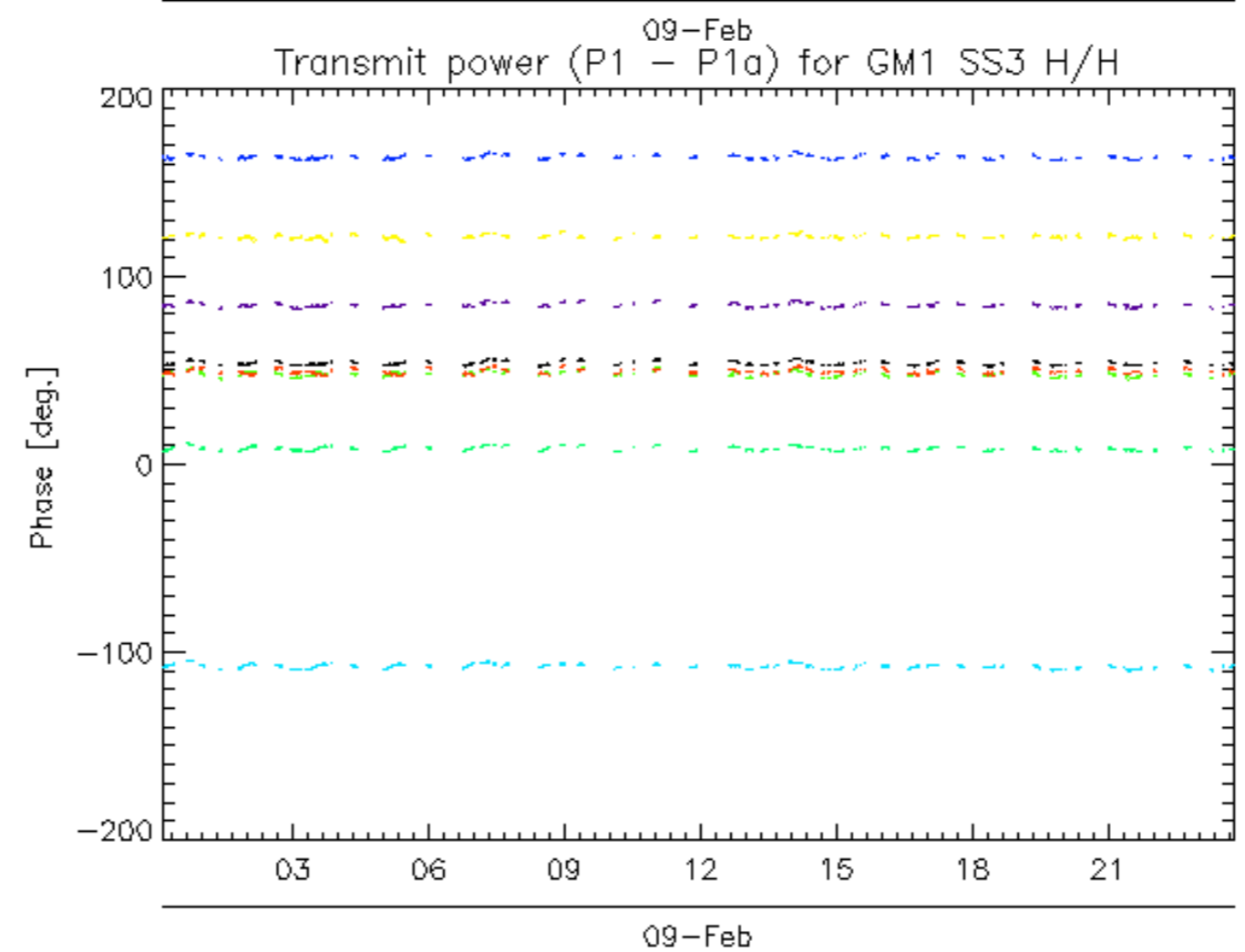
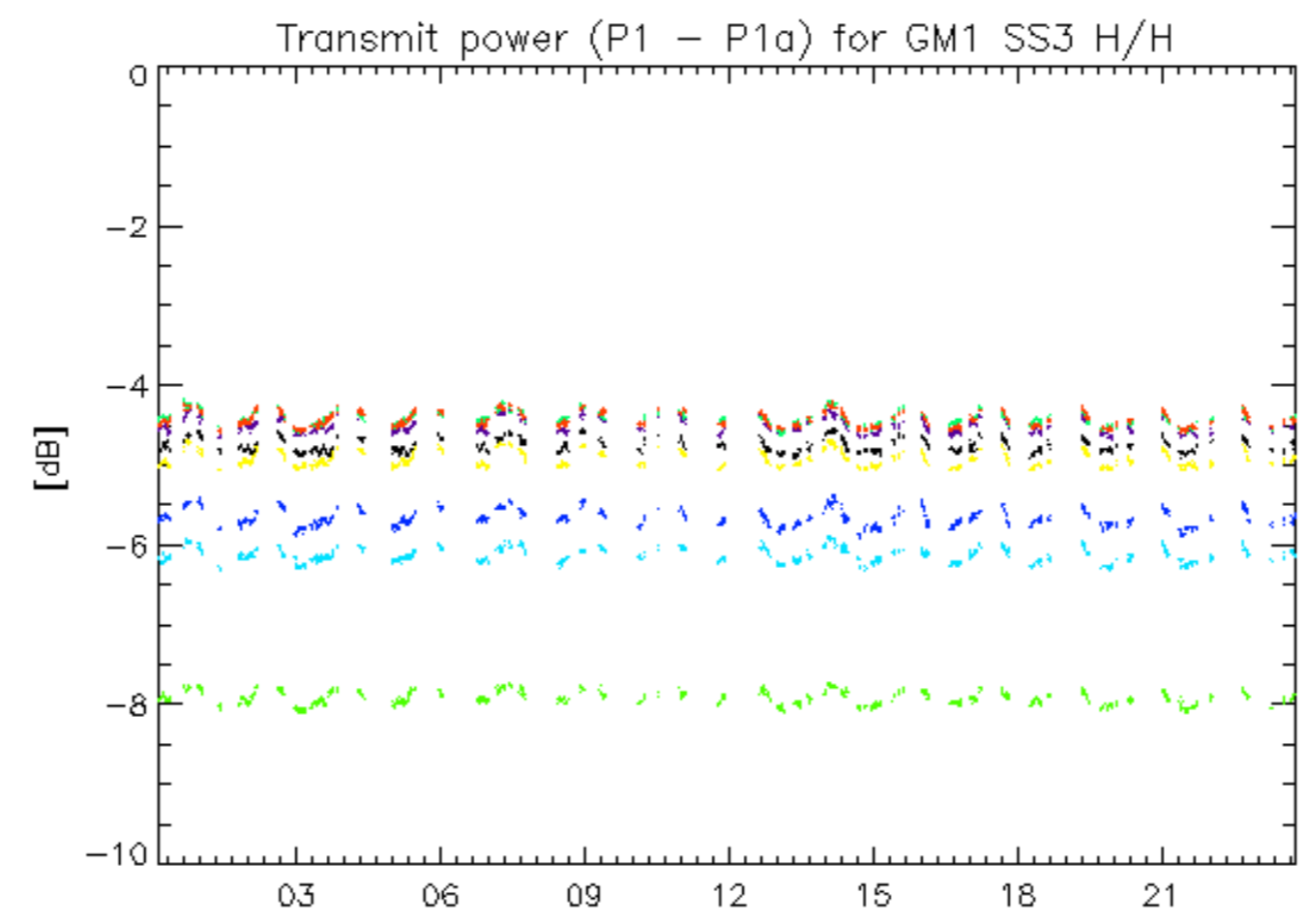




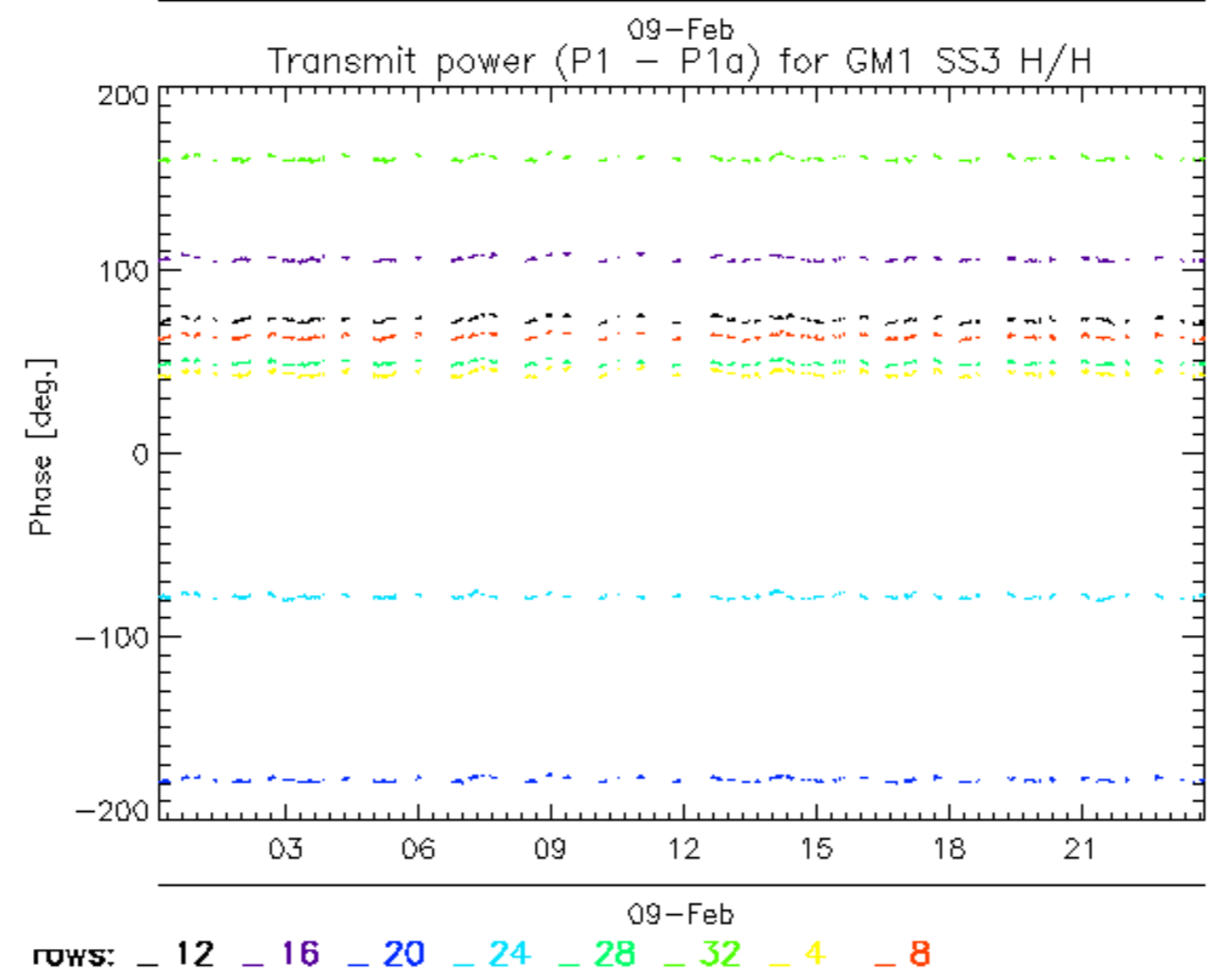
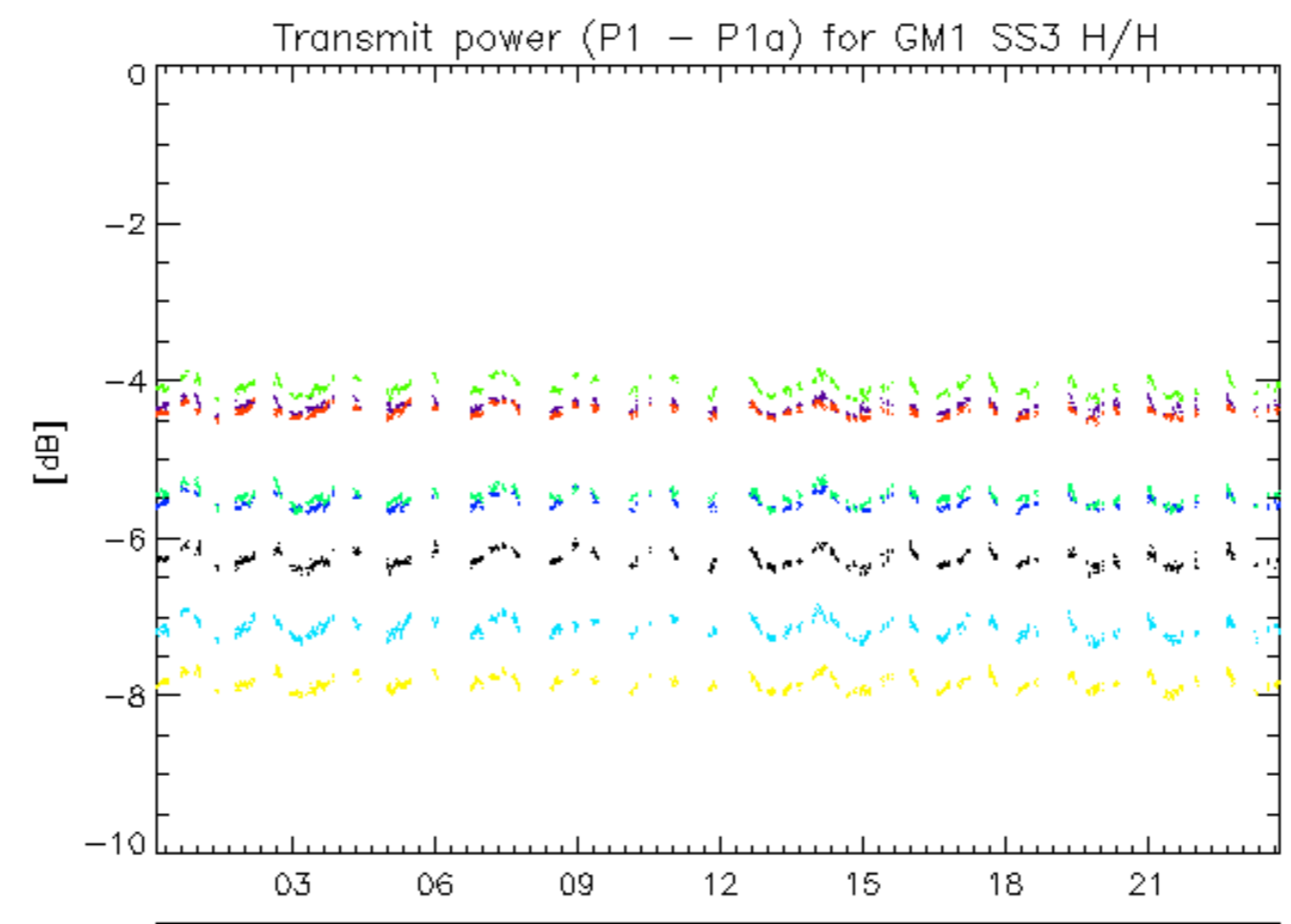
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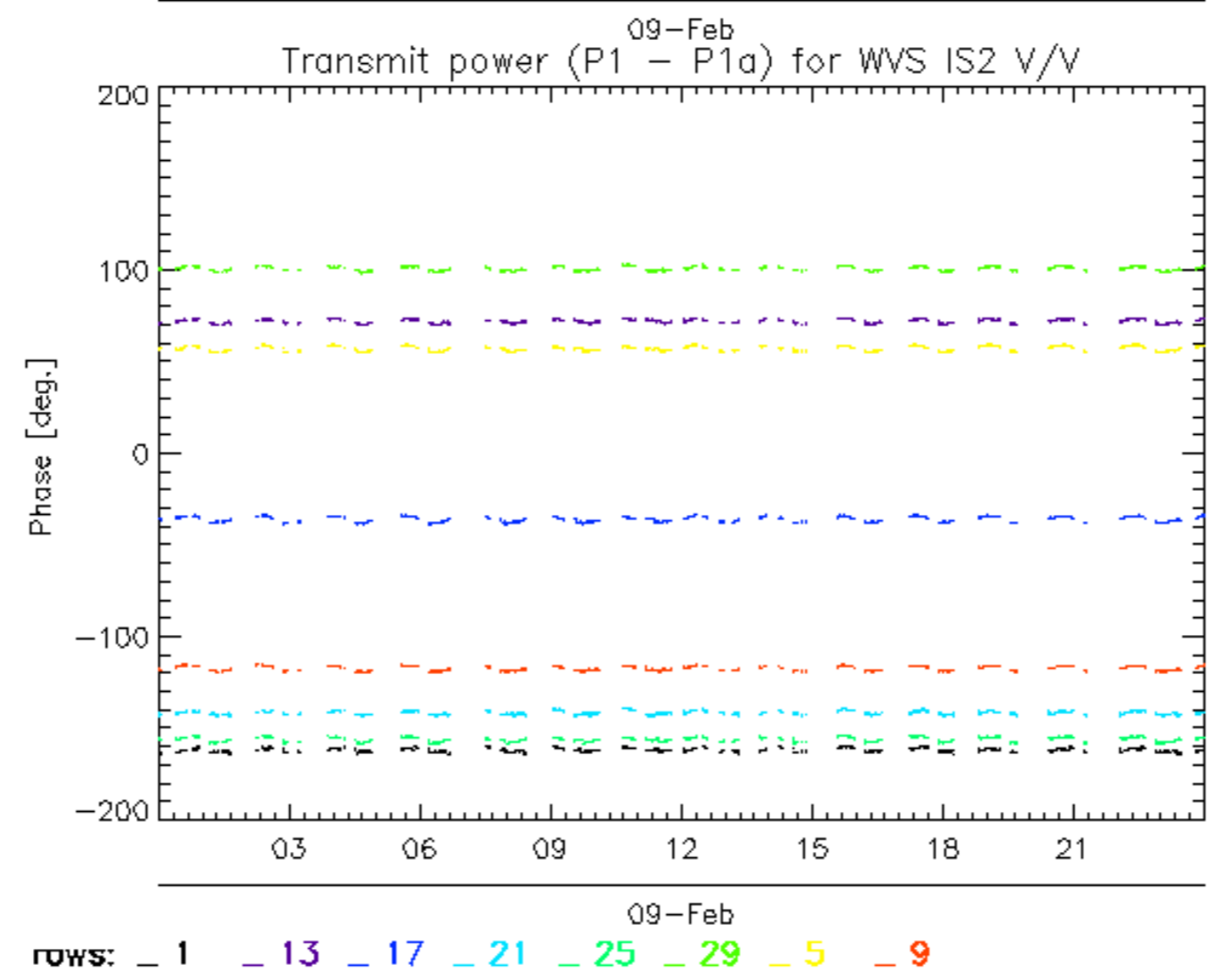
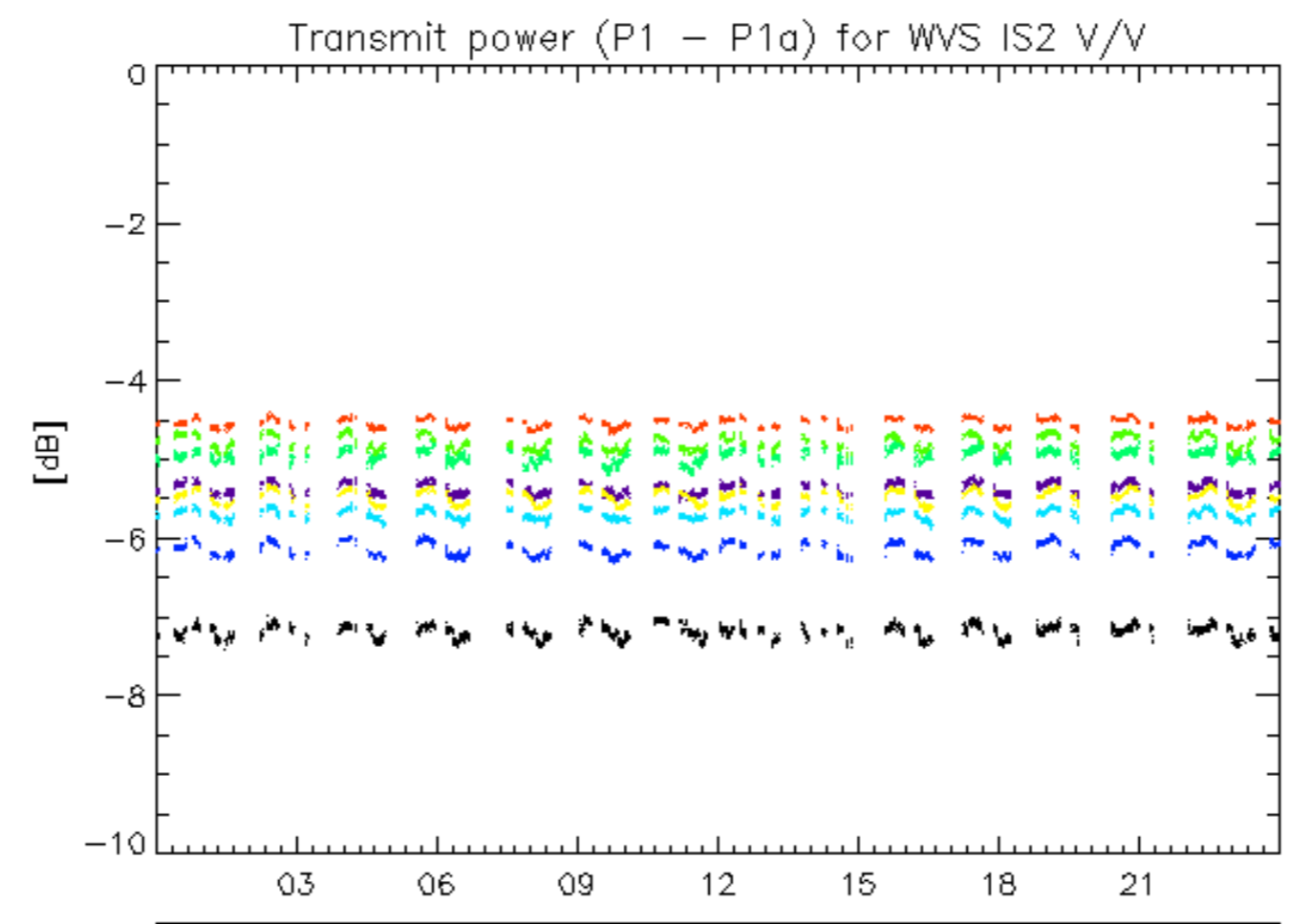


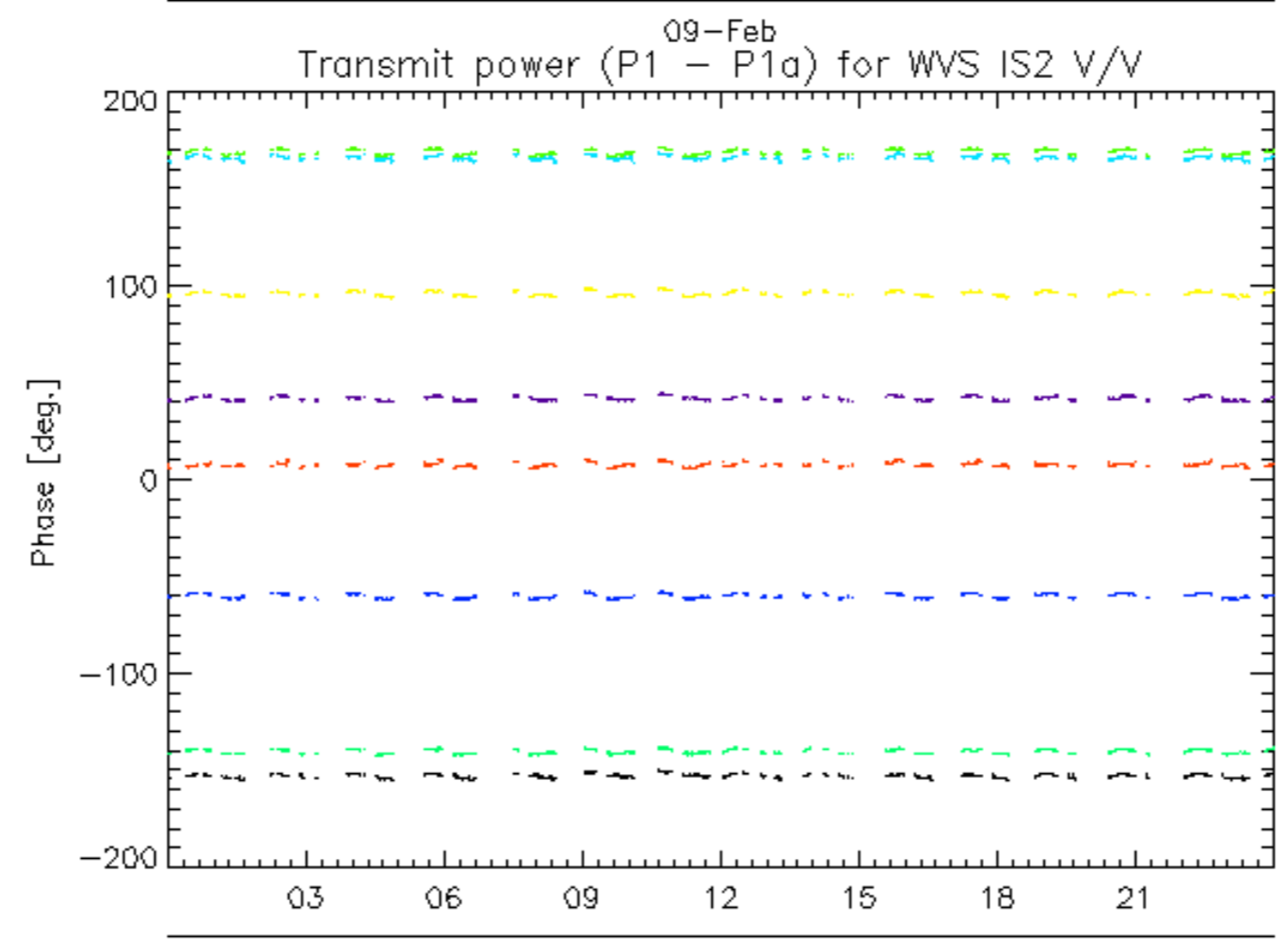
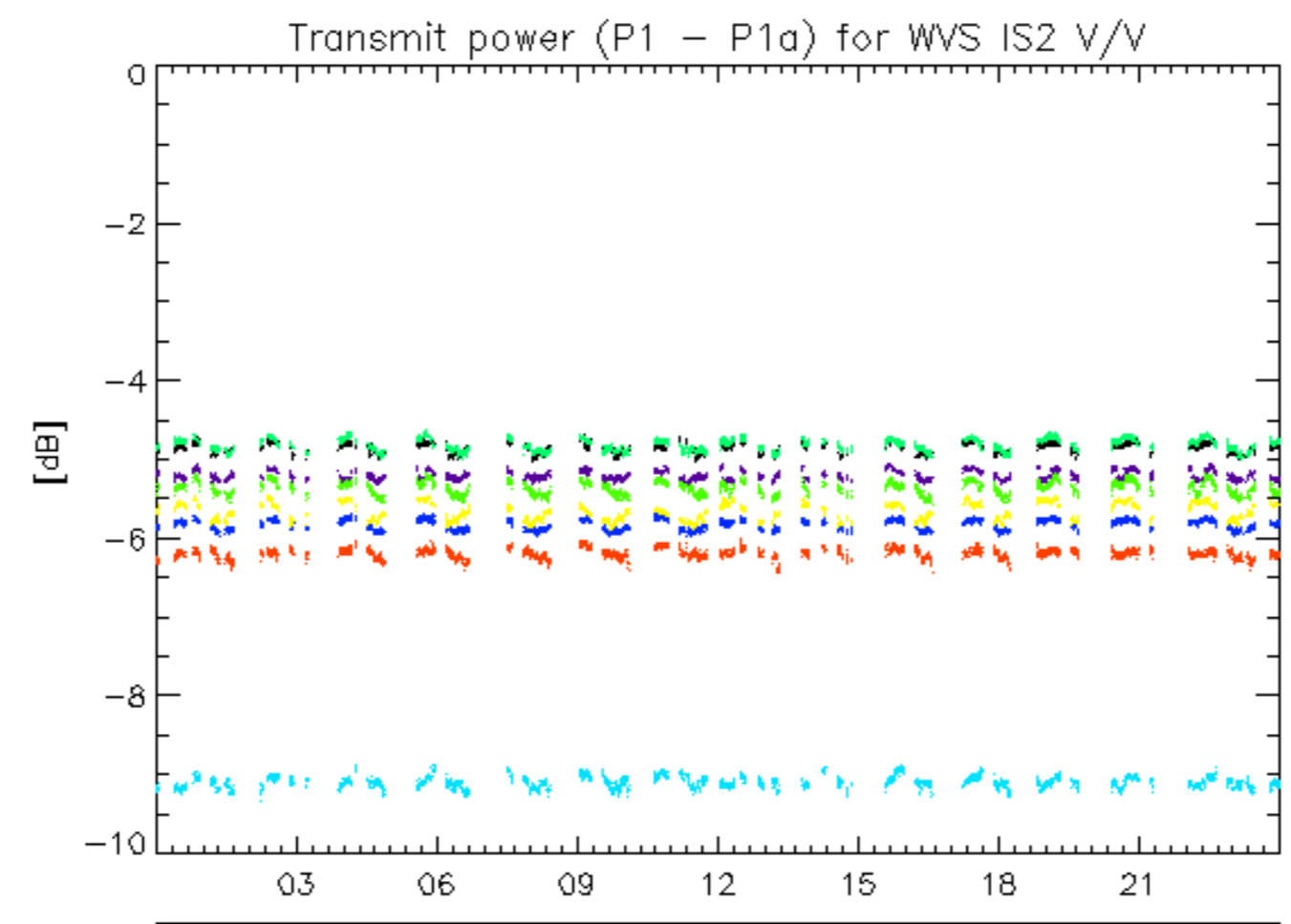




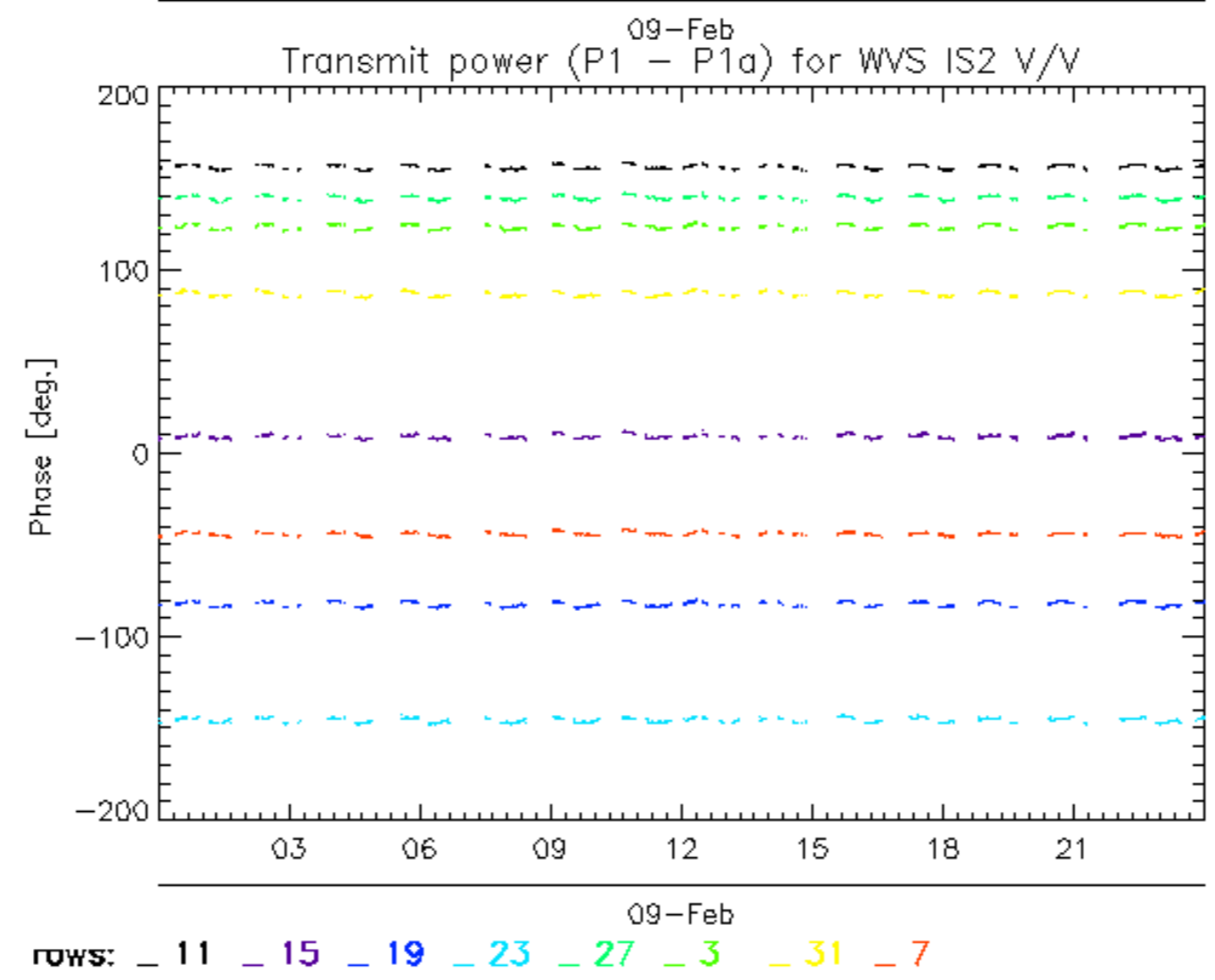
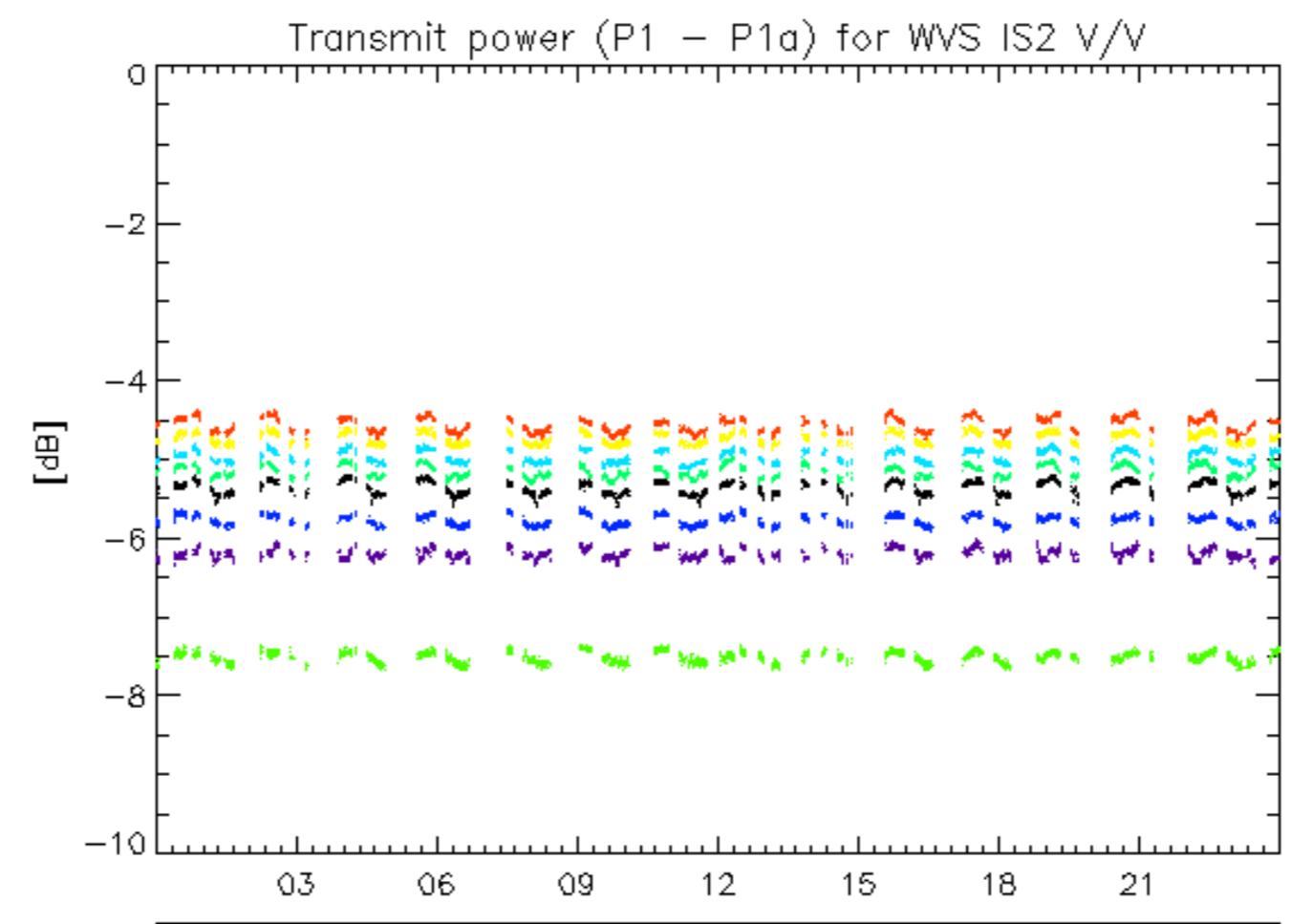
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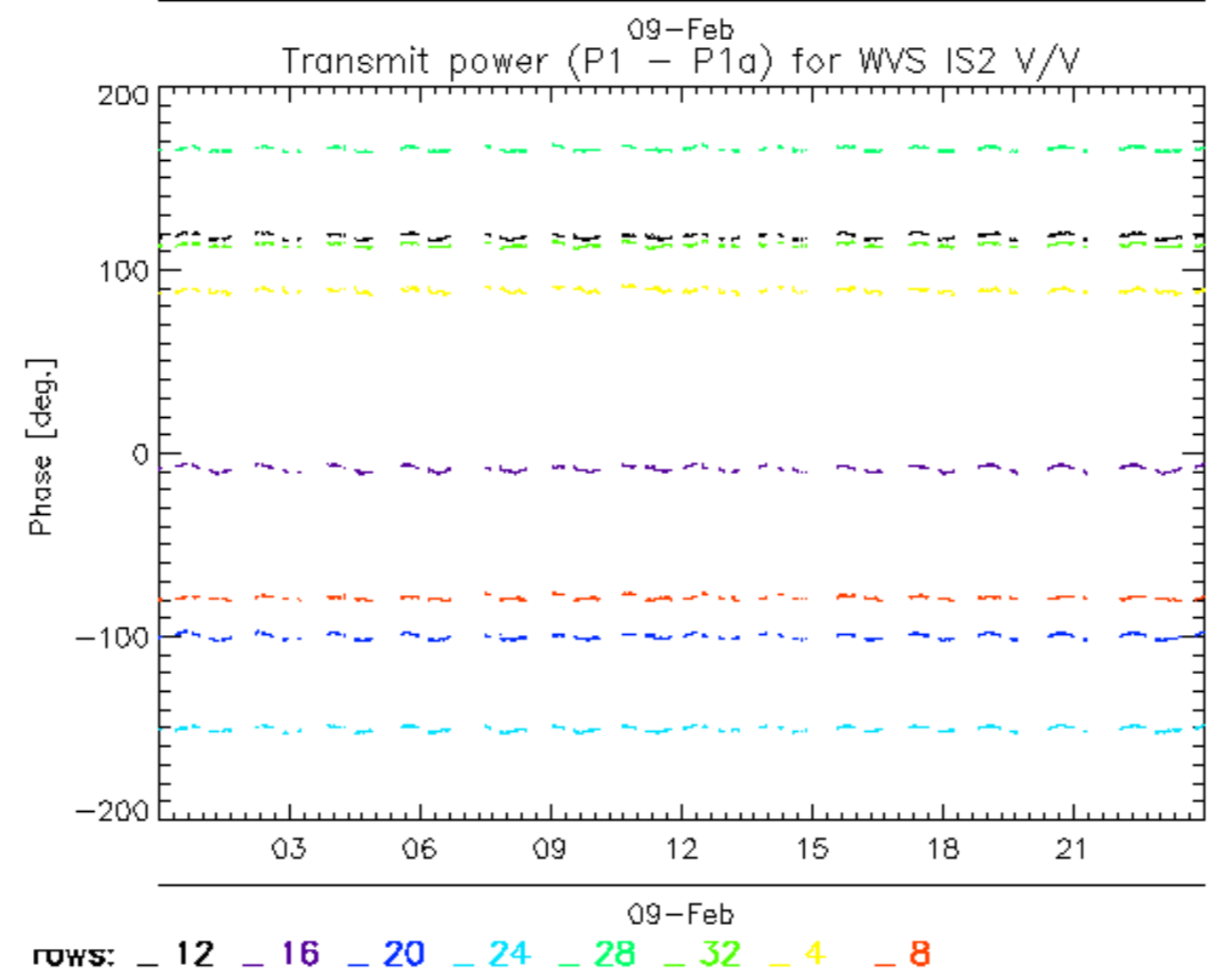
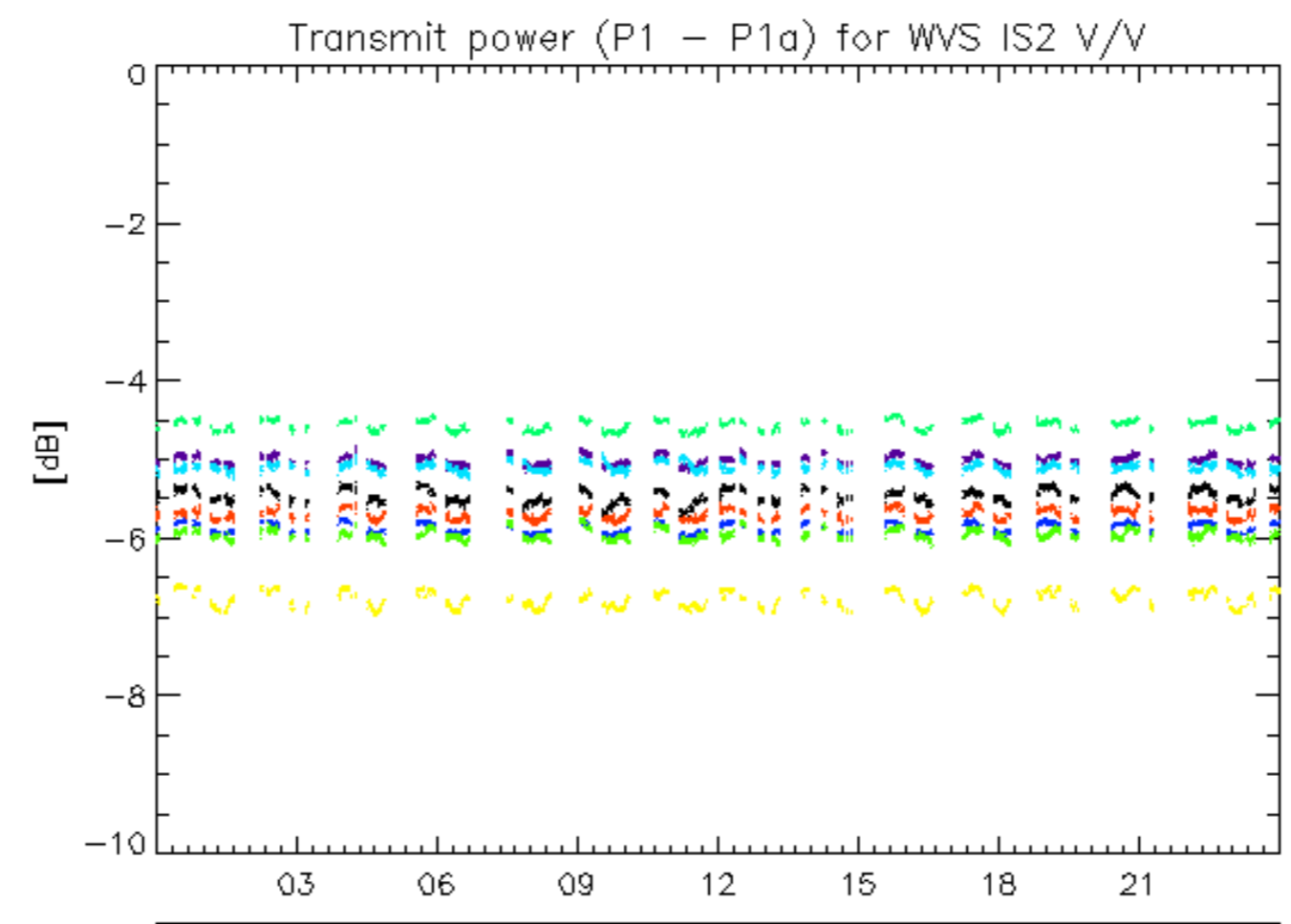


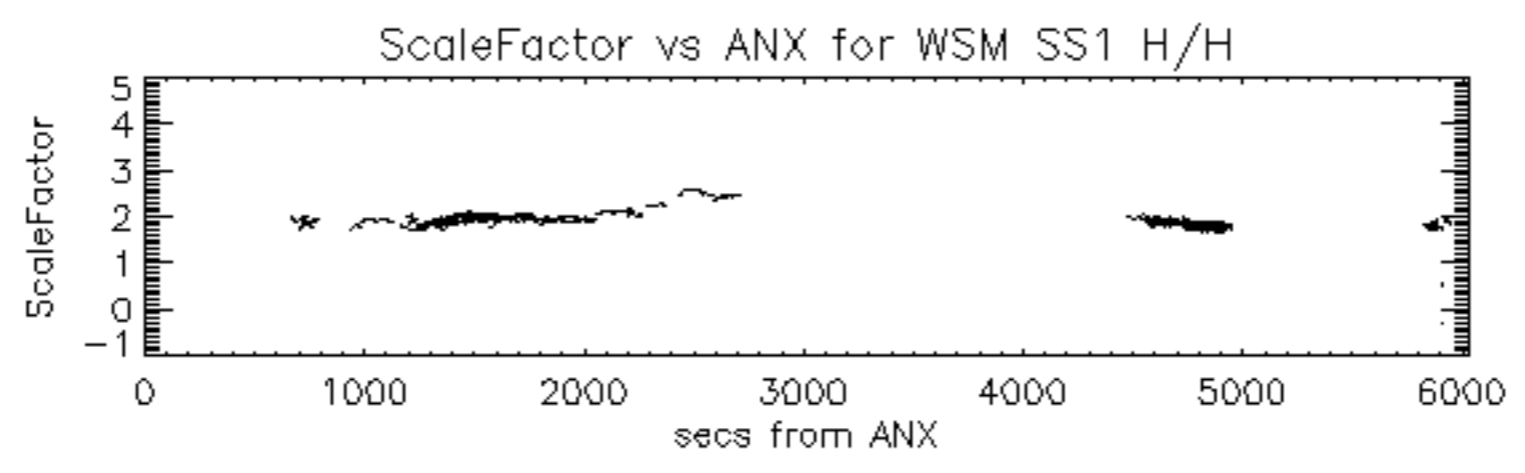




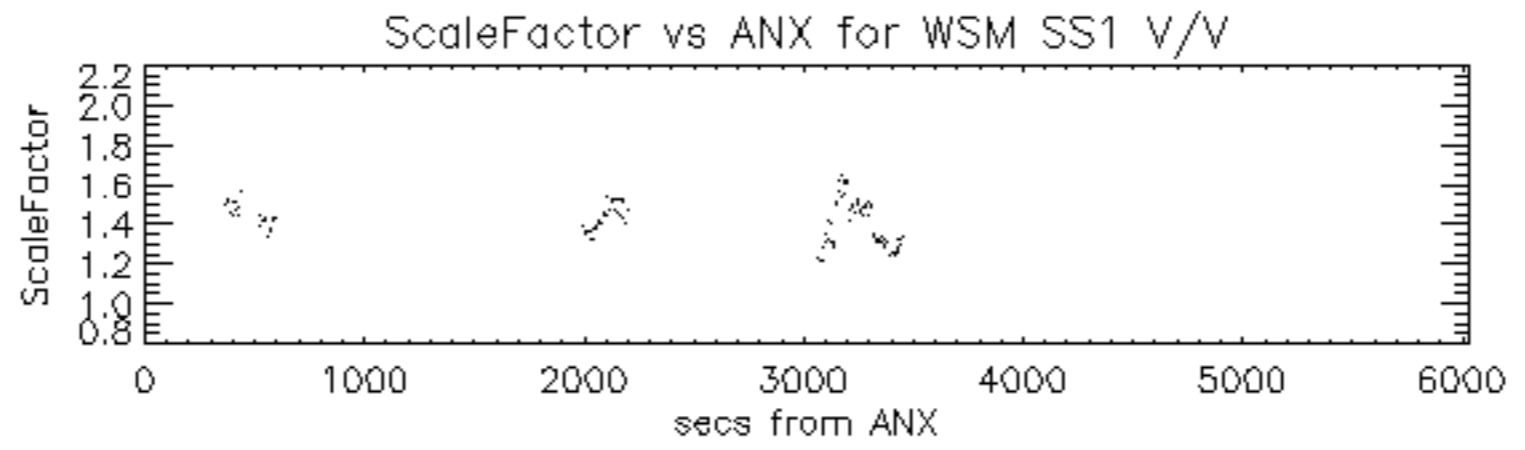
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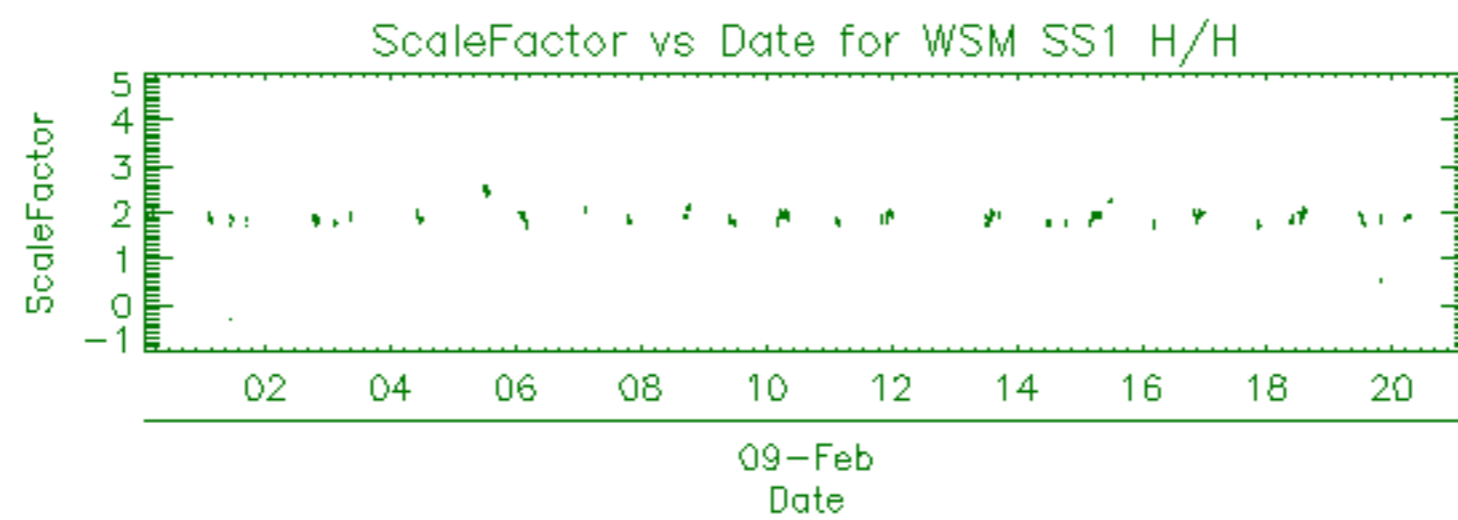


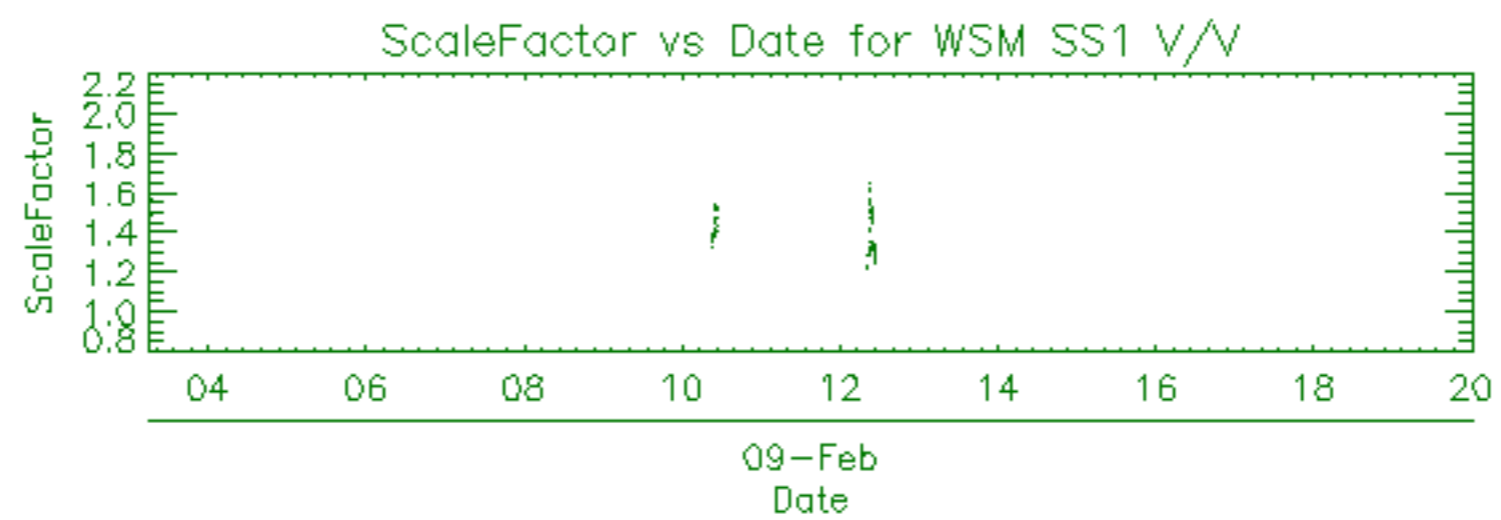












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20120209_022007_000000573111_00276_52014_8967.N1						IS4	H/H	111	52014	276	5.04
ASA_APM_1PNPDE20120209_035202_000000703111_00277_52015_8964.N1						IS4	H/H	111	52015	277	5.04
ASA_APM_1PNPDE20120209_045321_000002693111_00278_52016_9022.N1						IS1	V/H	111	52016	278	5.04
ASA_APM_1PNPDE20120209_072013_000000433111_00279_52017_9062.N1						IS1	V/H	111	52017	279	5.04
ASA_APM_1PNPDE20120209_072136_000000493111_00279_52017_9064.N1						IS1	V/H	111	52017	279	5.04
ASA_APM_1PNPDK20120209_090040_000000433111_00280_52018_4743.N1						IS1	V/H	111	52018	280	5.04
ASA_APM_1PNPDE20120209_103038_000000433111_00281_52019_9143.N1						IS7	V/H	111	52019	281	5.04
ASA_APM_1PNPDE20120209_140132_000000843111_00283_52021_9211.N1						IS6	V/H	111	52021	283	5.04
ASA_APM_1PNPDE20120209_152718_000000423111_00284_52022_9215.N1						IS2	H/H	111	52022	284	5.04
ASA_APM_1PNPDE20120209_212535_000000683111_00287_52025_9249.N1						IS1	H/H	111	52025	287	5.04



ASA_GM1_1PNPDE20120209_213558_000003263111_00288_52026_9266.N1	SS1	H/H	111	52026	288	5.04
ASA_GM1_1PNPDE20120209_214225_000001203111_00288_52026_9267.N1	SS1	H/H	111	52026	288	5.04
ASA_GM1_1PNPDE20120209_215957_000001993111_00288_52026_9269.N1	SS1	H/H	111	52026	288	5.04
ASA_GM1_1PNPDE20120209_223951_000005793111_00288_52026_9274.N1	SS1	H/H	111	52026	288	5.04
ASA_GM1_1PNPDE20120209_231612_000000783111_00289_52027_9289.N1	SS1	H/H	111	52027	289	5.04
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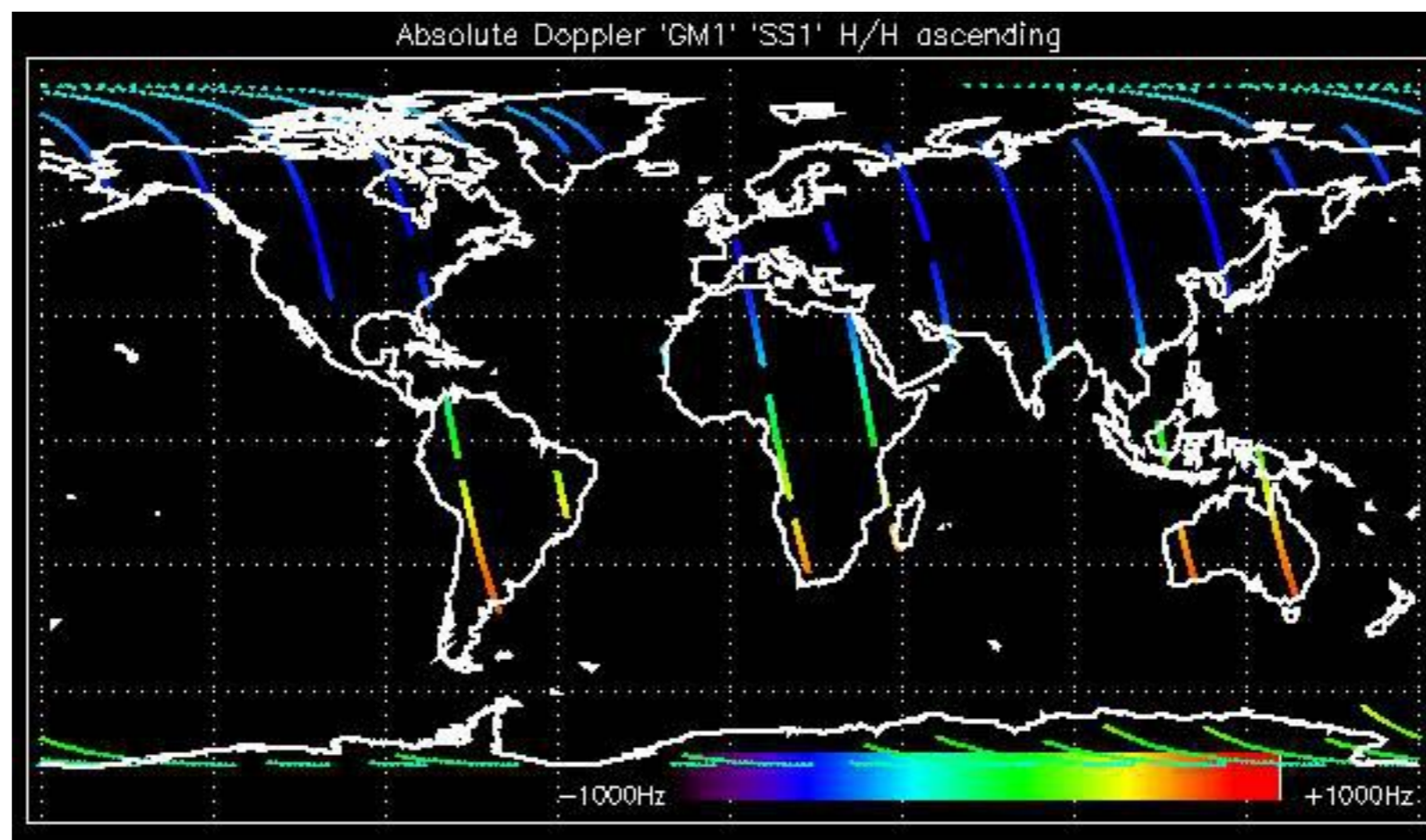
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ASA_IMM_1PNPDE20120209_070827_000000373111_00279_52017_9058.N1						IS6	H/H	111	52017	279	5.04
ASA_IMM_1PNPDE20120209_072228_000001123111_00279_52017_9063.N1						IS2	V/V	111	52017	279	5.04
ASA_IMM_1PNPDK20120209_083927_000000843111_00280_52018_4721.N1						IS6	H/H	111	52018	280	5.04
ASA_IMM_1PNPDE20120209_084833_000000373111_00280_52018_9105.N1						IS2	V/V	111	52018	280	5.04
ASA_IMM_1PNPDE20120209_084949_000002513111_00280_52018_9113.N1						IS6	H/H	111	52018	280	5.04
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ASA_IMM_1PNPDE20120209_111738_000001283111_00281_52019_9171.N1						IS6	H/H	111	52019	281	5.04
ASA_IMM_1PNPDE20120209_170905_000002003111_00285_52023_9222.N1						IS6	H/H	111	52023	285	5.04
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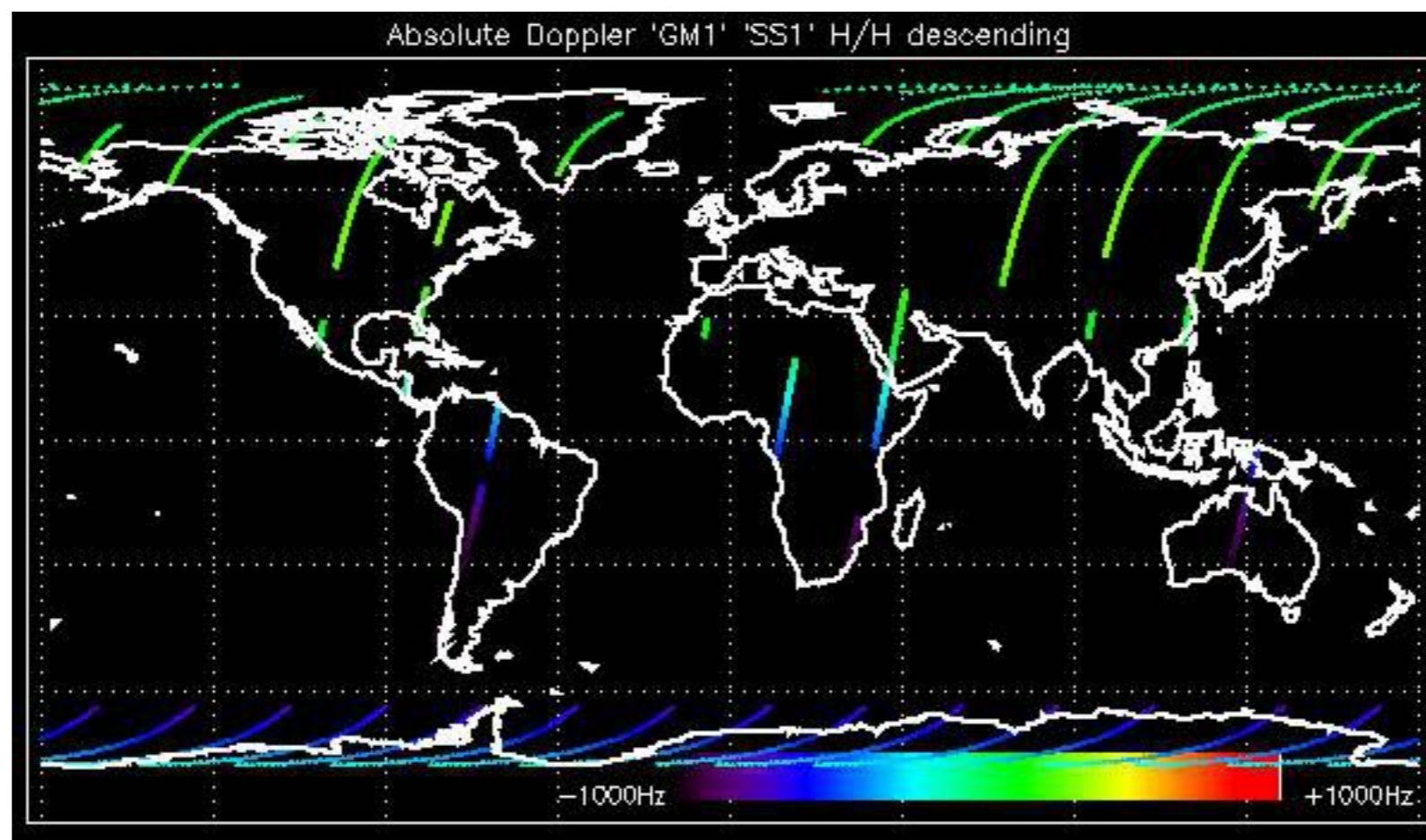
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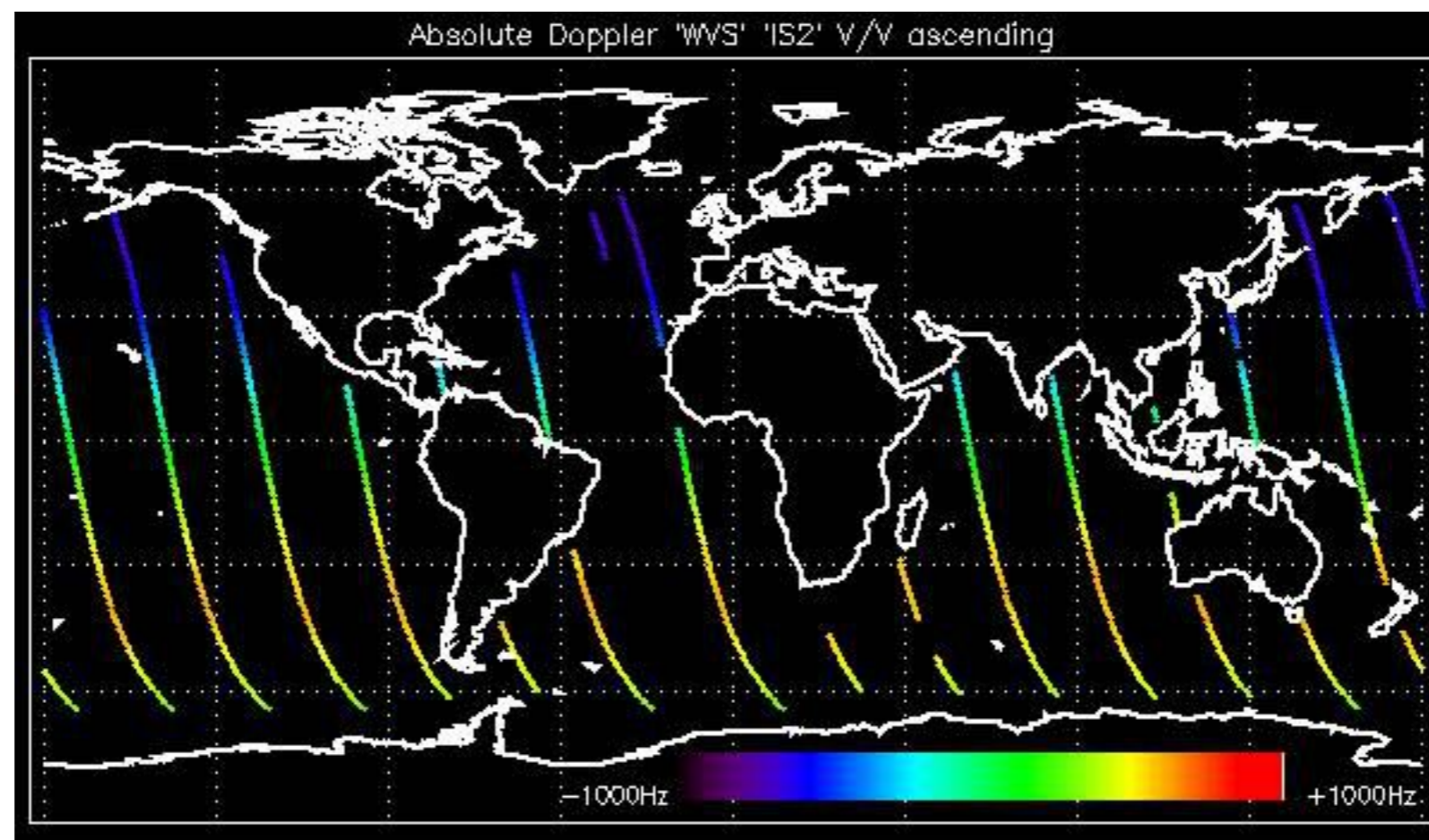


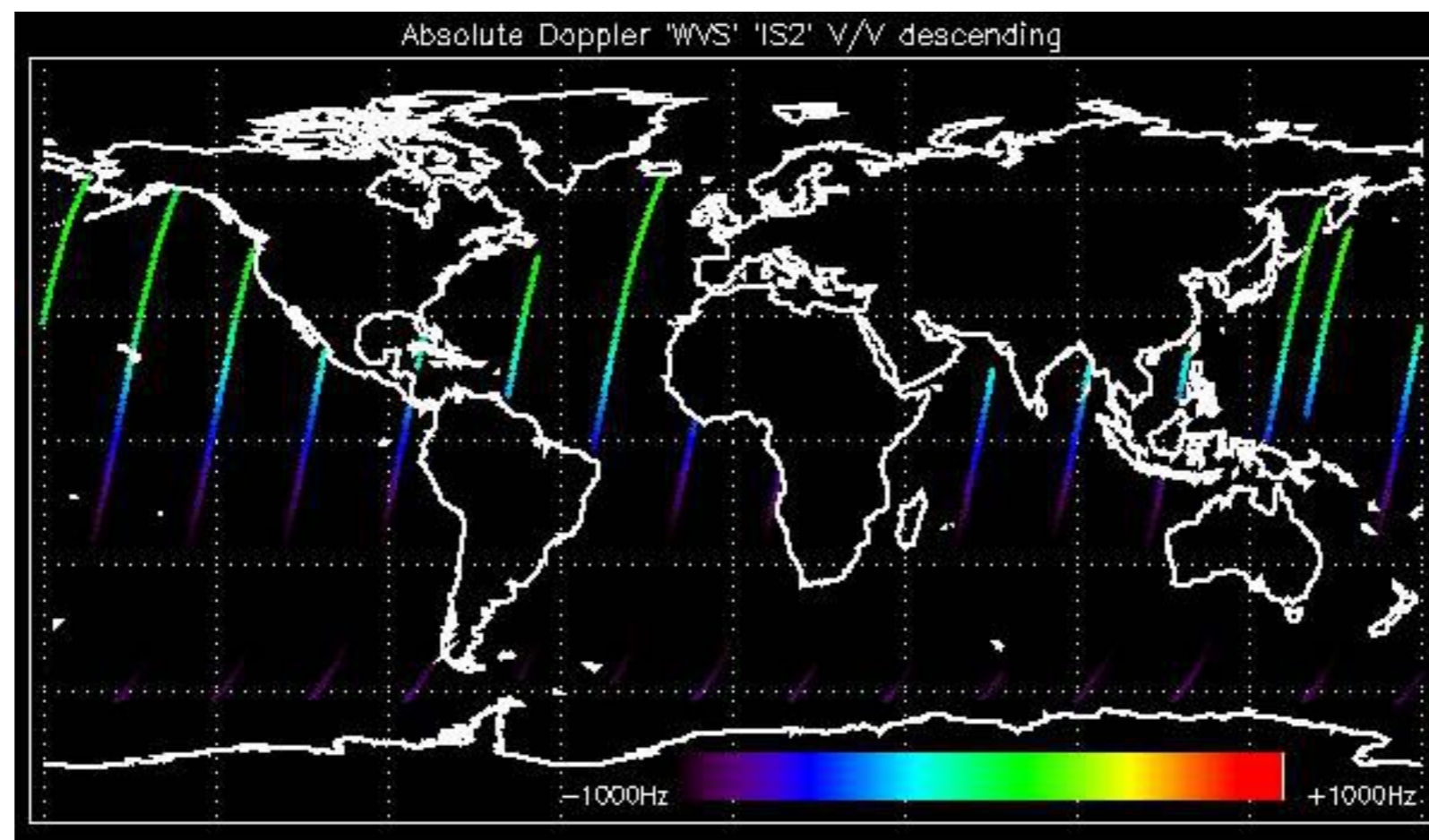
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ASA_WSM_1PNPDE20120209_001042_000001533111_00275_52013_8925.N1						SS1	H/H	111	52013	275	5.04
ASA_WSM_1PNPDE20120209_010413_000002513111_00275_52013_8926.N1						SS1	H/H	111	52013	275	5.04
ASA_WSM_1PNPDE20120209_012608_000000923111_00275_52013_8946.N1						SS1	H/H	111	52013	275	5.04
ASA_WSM_1PNPDK20120209_014003_000000923111_00276_52014_4632.N1						SS1	H/H	111	52014	276	5.04
ASA_WSM_1PNPDE20120209_024545_000003303111_00276_52014_8968.N1						SS1	H/H	111	52014	276	5.04
ASA_WSM_1PNPDE20120209_030545_000000923111_00276_52014_8969.N1						SS1	H/H	111	52014	276	5.04
ASA_WSM_1PNPDE20120209_031445_000000733111_00277_52015_8970.N1						SS1	V/V	111	52015	277	5.04
ASA_WSM_1PNPDK20120209_031944_000001533111_00277_52015_4679.N1						SS1	H/H	111	52015	277	5.04
ASA_WSM_1PNPDE20120209_042425_000003923111_00277_52015_9021.N1						SS1	H/H	111	52015	277	5.04
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ASA_WSM_1PNPDE20120209_060327_000003923111_00278_52016_9061.N1						SS1	H/H	111	52016	278	5.04
ASA_WSM_1PNPDE20120209_070543_000000923111_00279_52017_9057.N1						SS1	H/H	111	52017	279	5.04
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ASA_WSM_1PNPDK20120209_084058_000003433111_00280_52018_4722.N1						SS1	H/H	111	52018	280	5.04
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ASA_WSM_1PNPDE20120209_114916_000000923111_00282_52020_9173.N1						SS1	H/H	111	52020	282	5.04
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ASA_WSM_1PNPDE20120209_134225_000001283111_00283_52021_9210.N1						SS1	H/H	111	52021	283	5.04
ASA_WSM_1PNPDE20120209_142900_000002143111_00283_52021_9212.N1						SS1	H/H	111	52021	283	5.04
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ASA_WSM_1PNPDE20120209_151909_000001353111_00284_52022_9214.N1						SS1	H/H	111	52022	284	5.04
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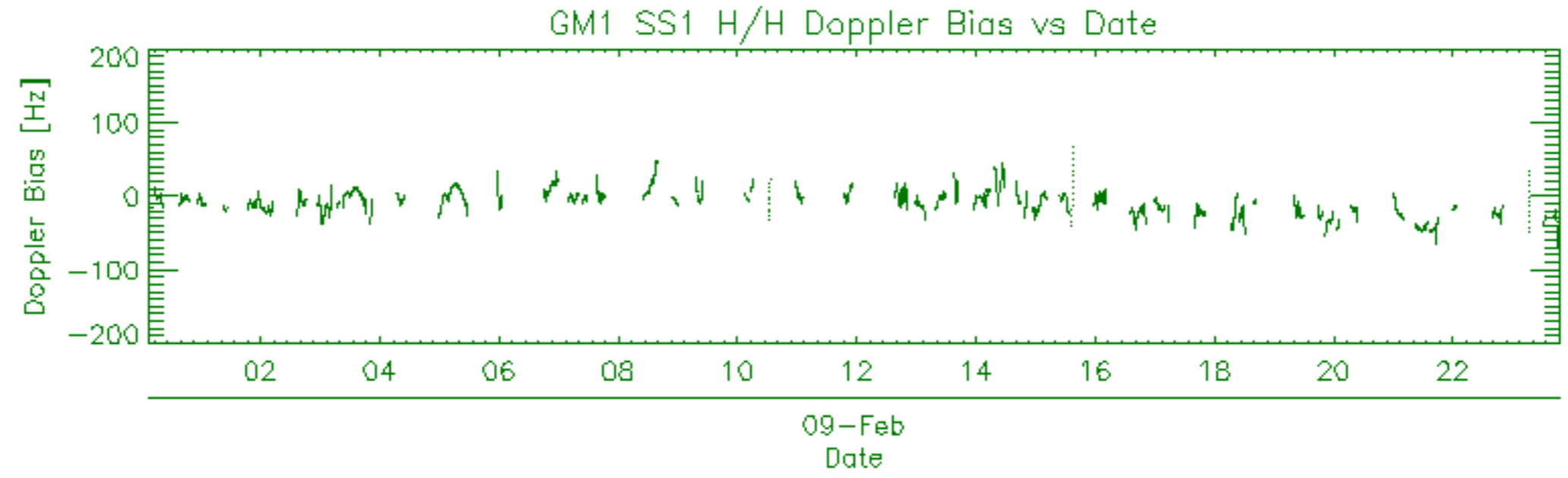
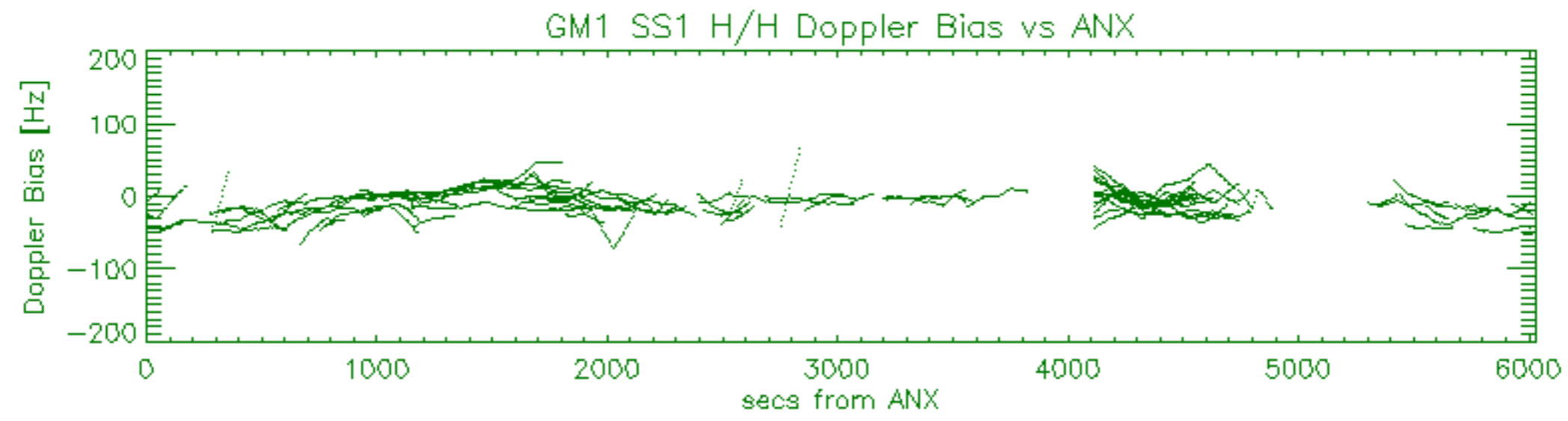
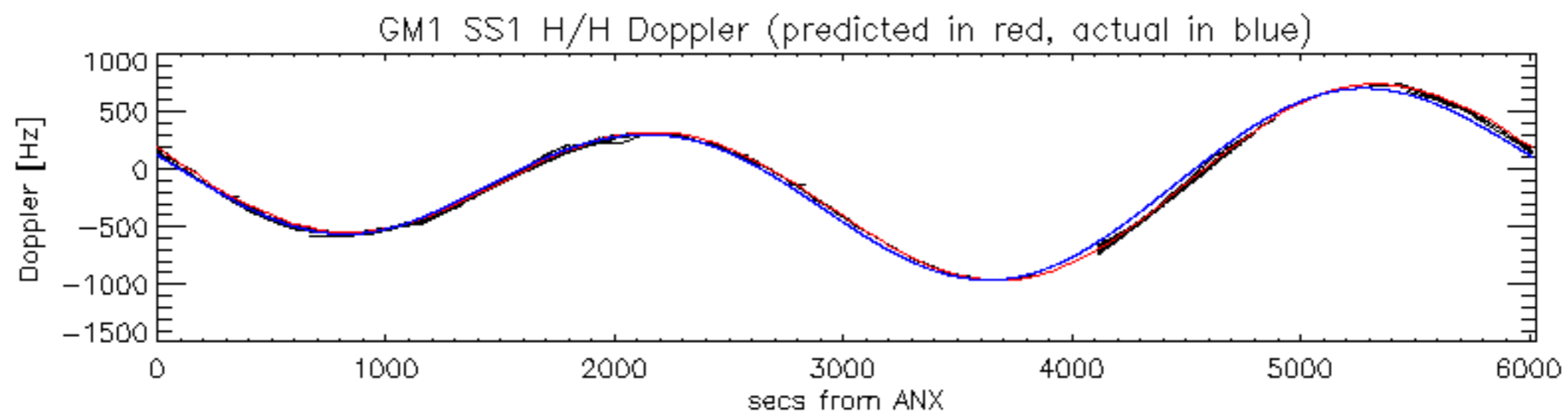
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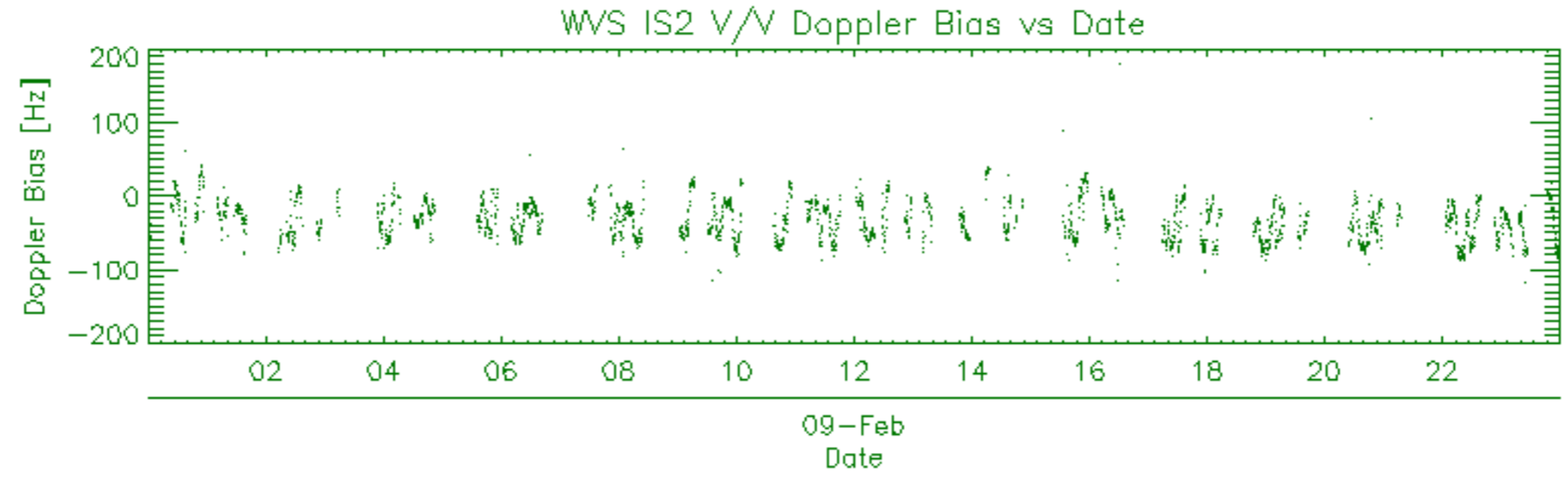
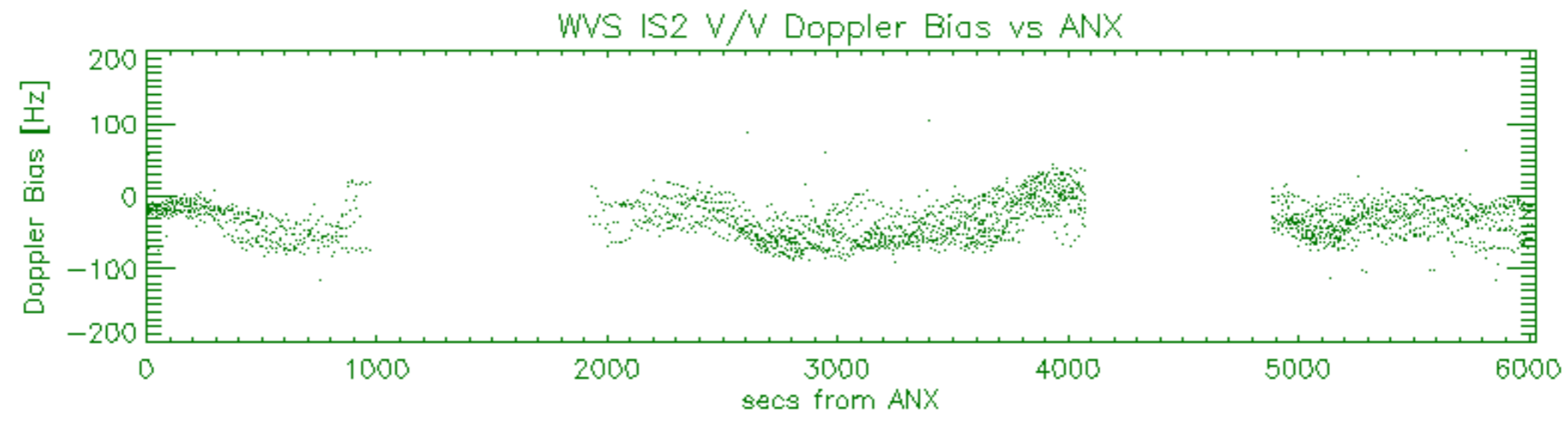
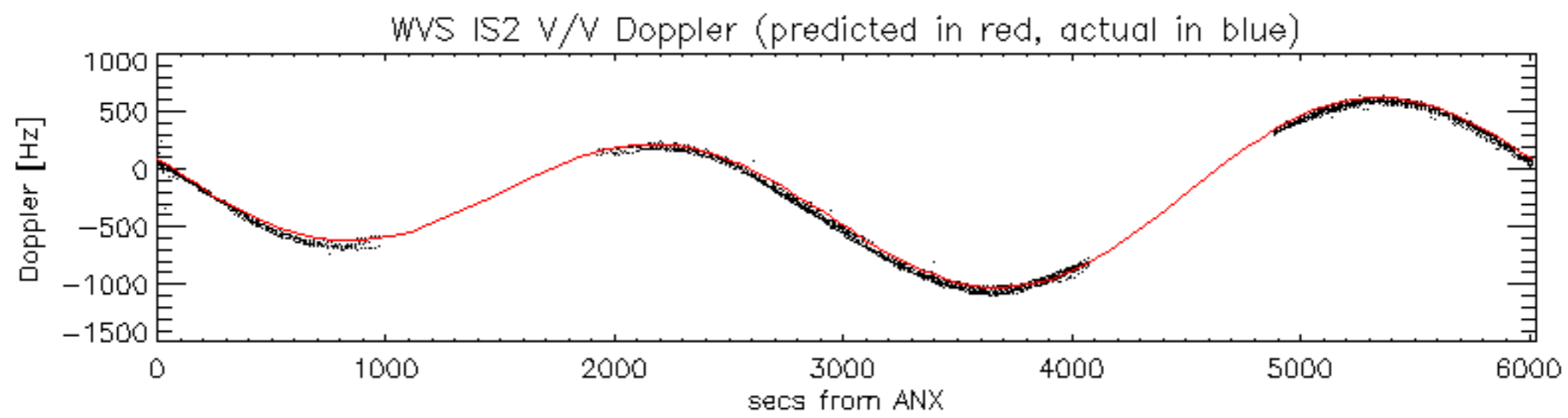




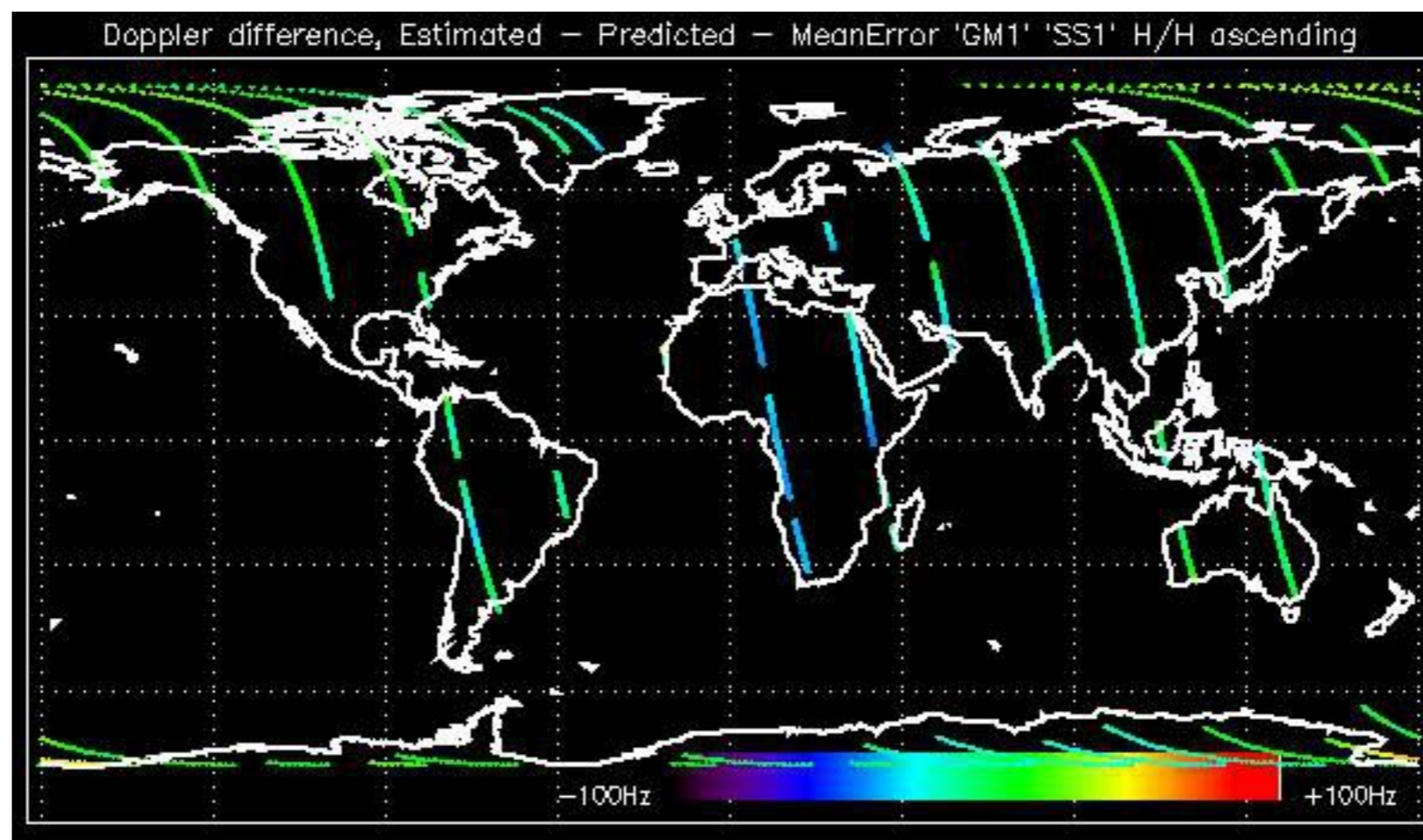


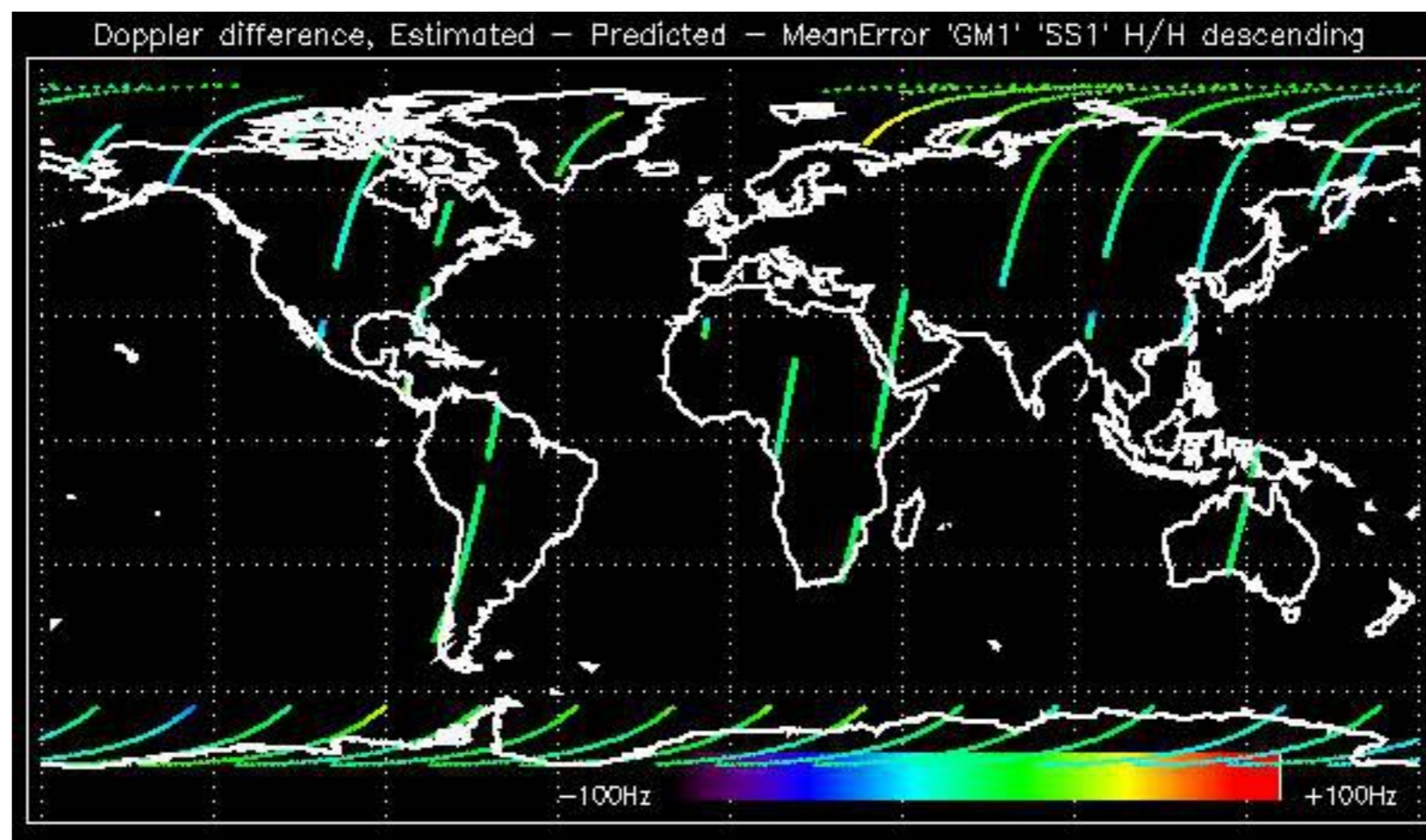


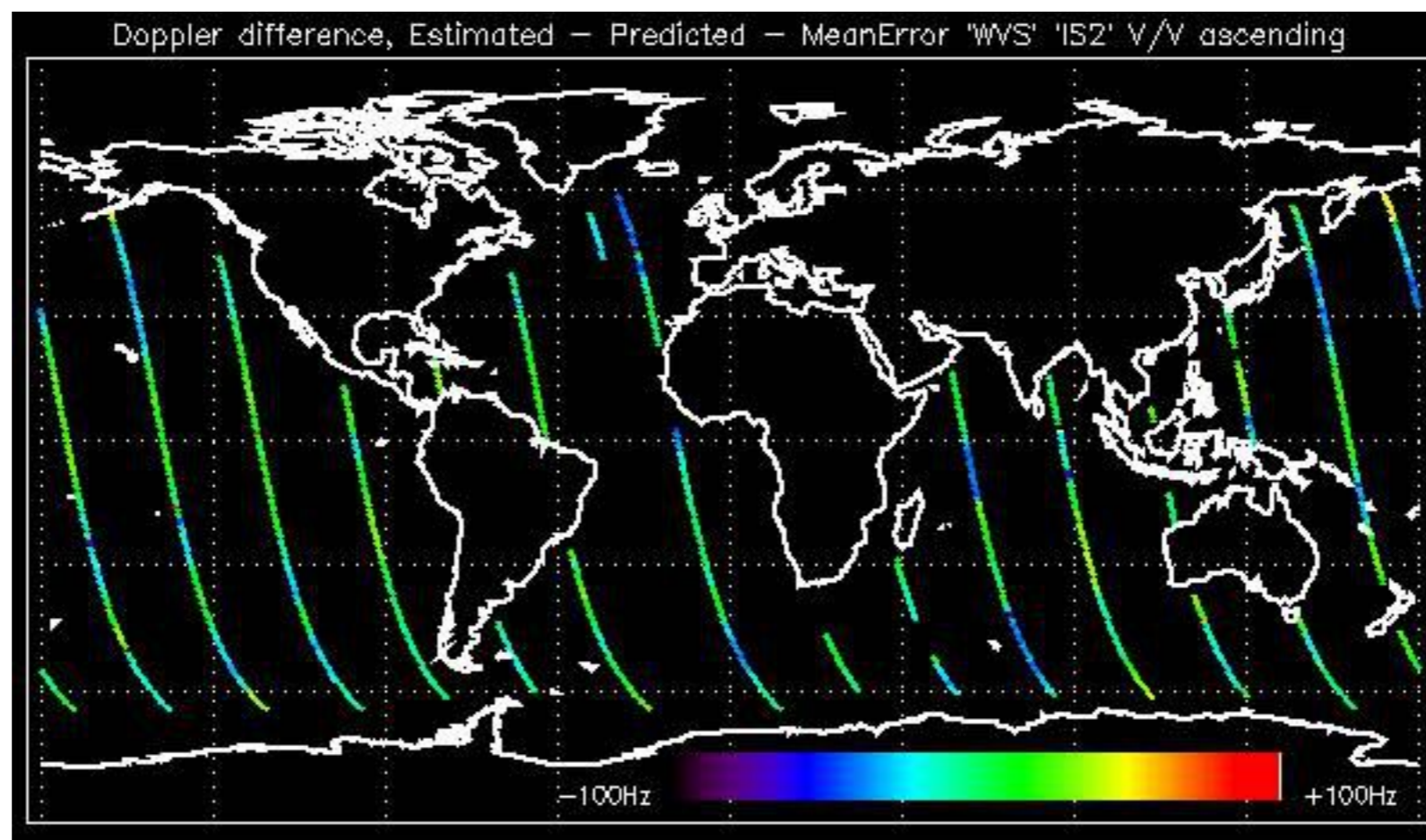


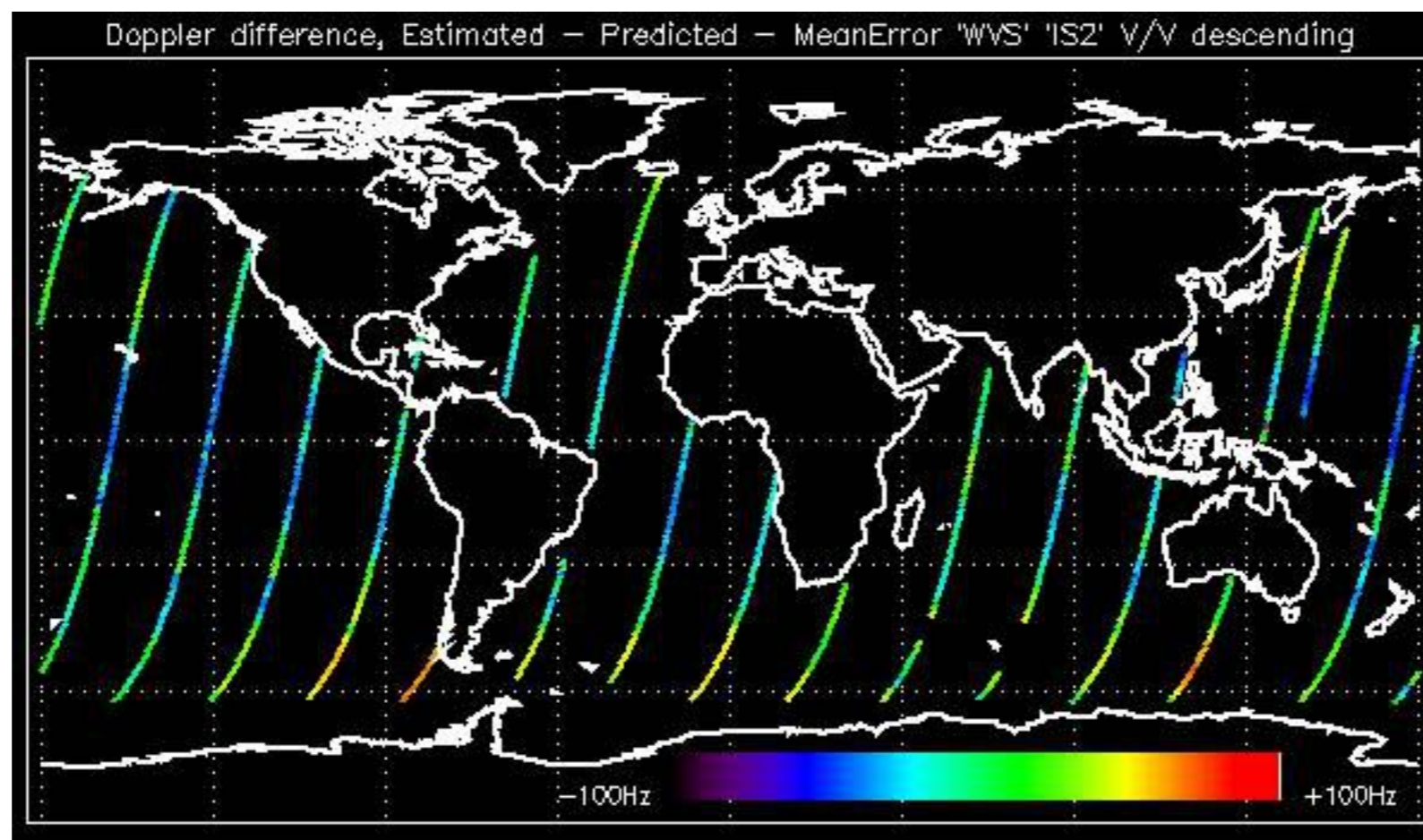


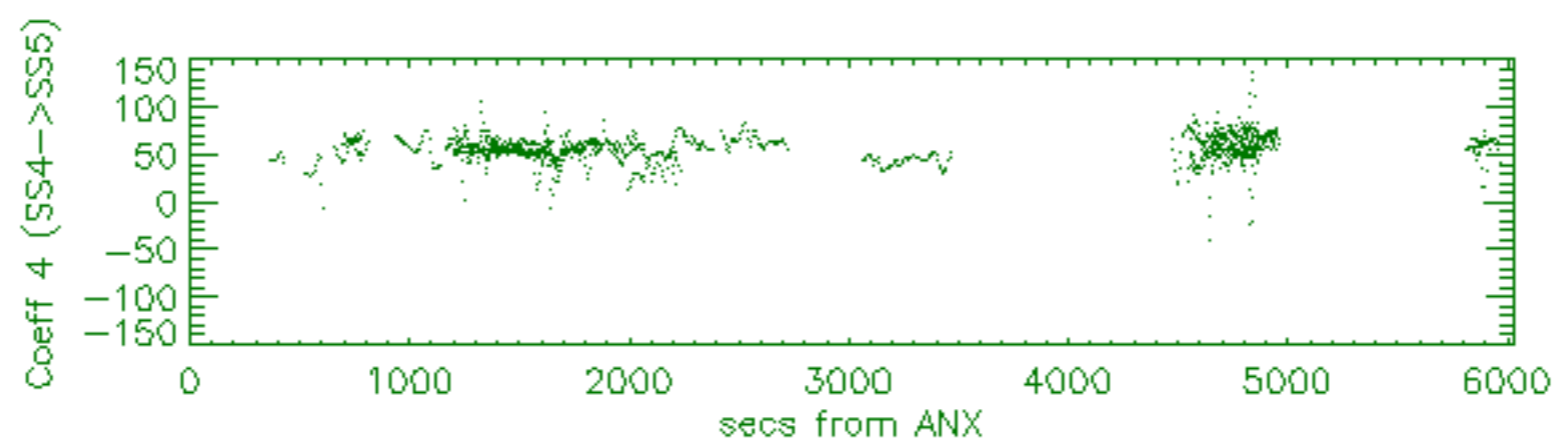
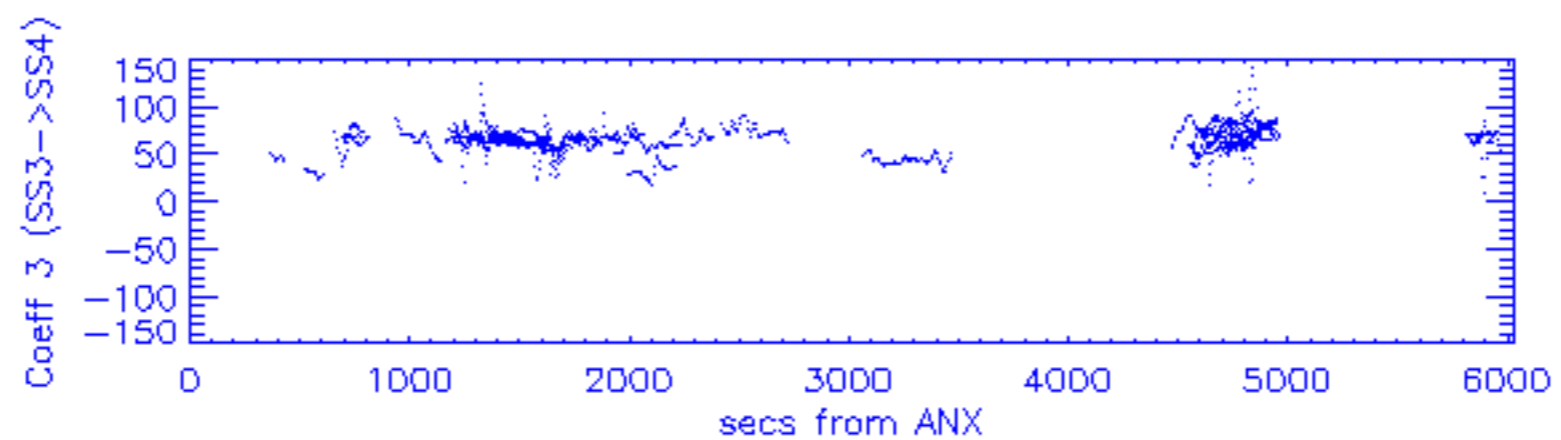
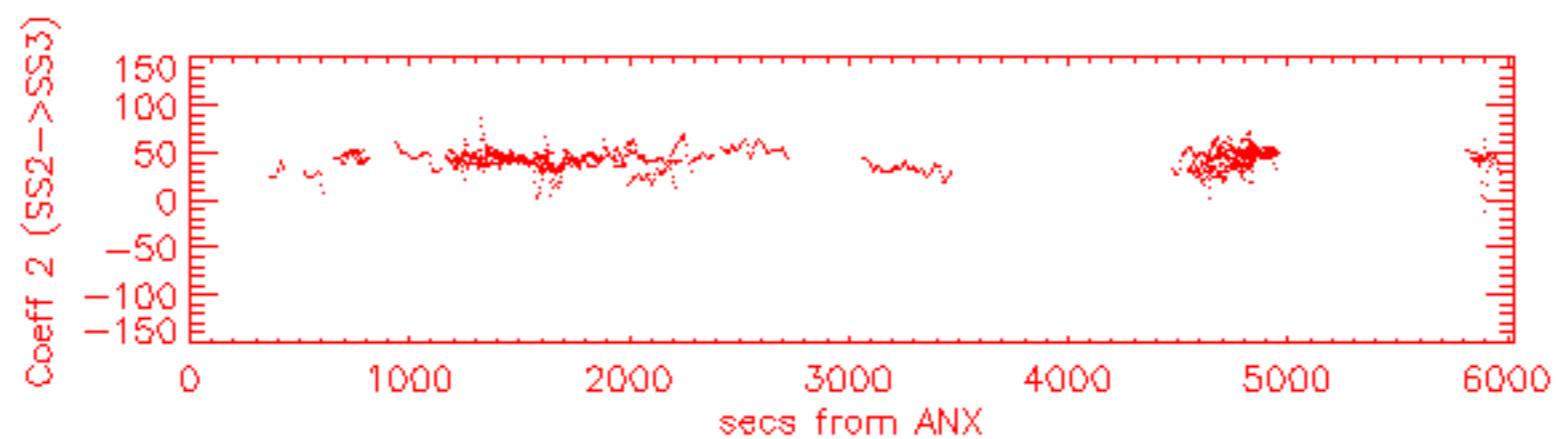
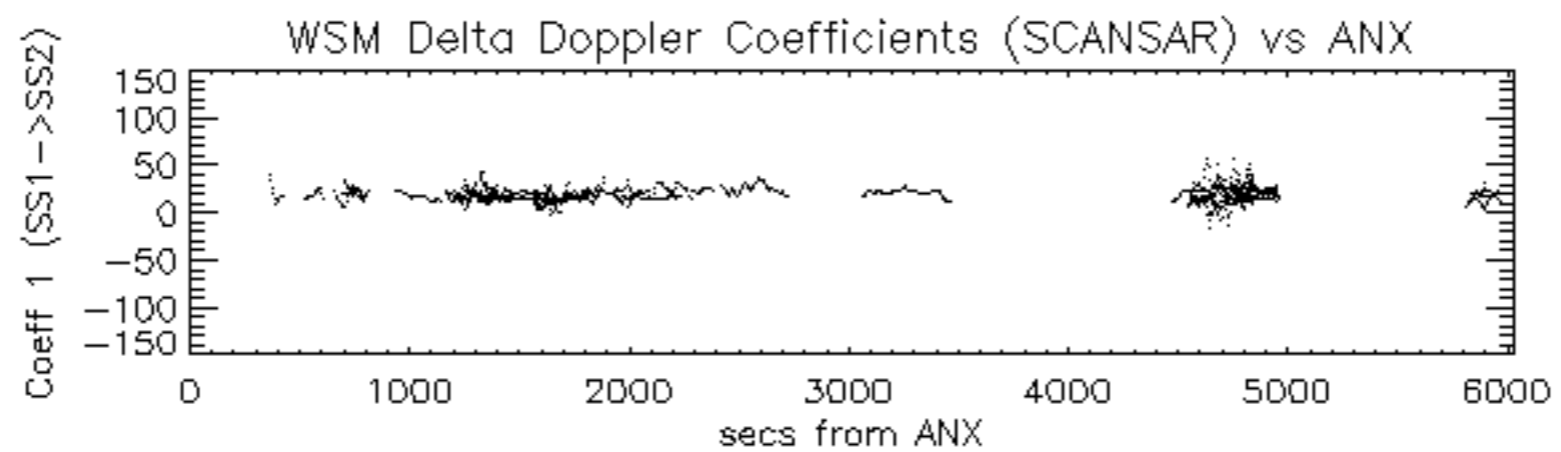


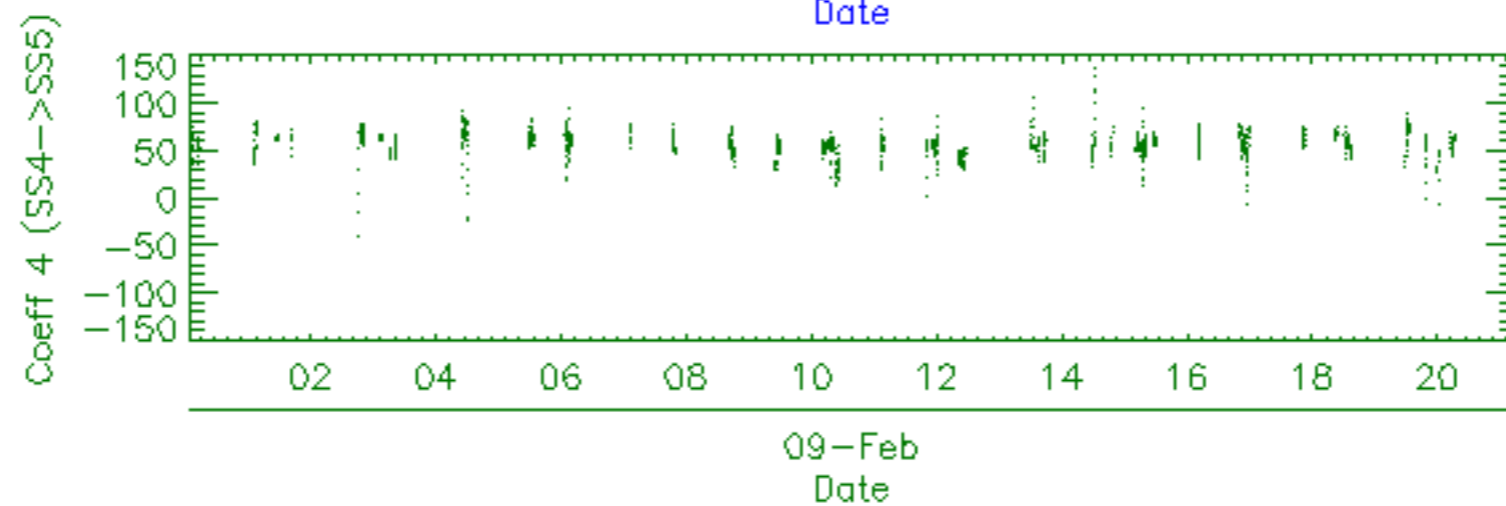
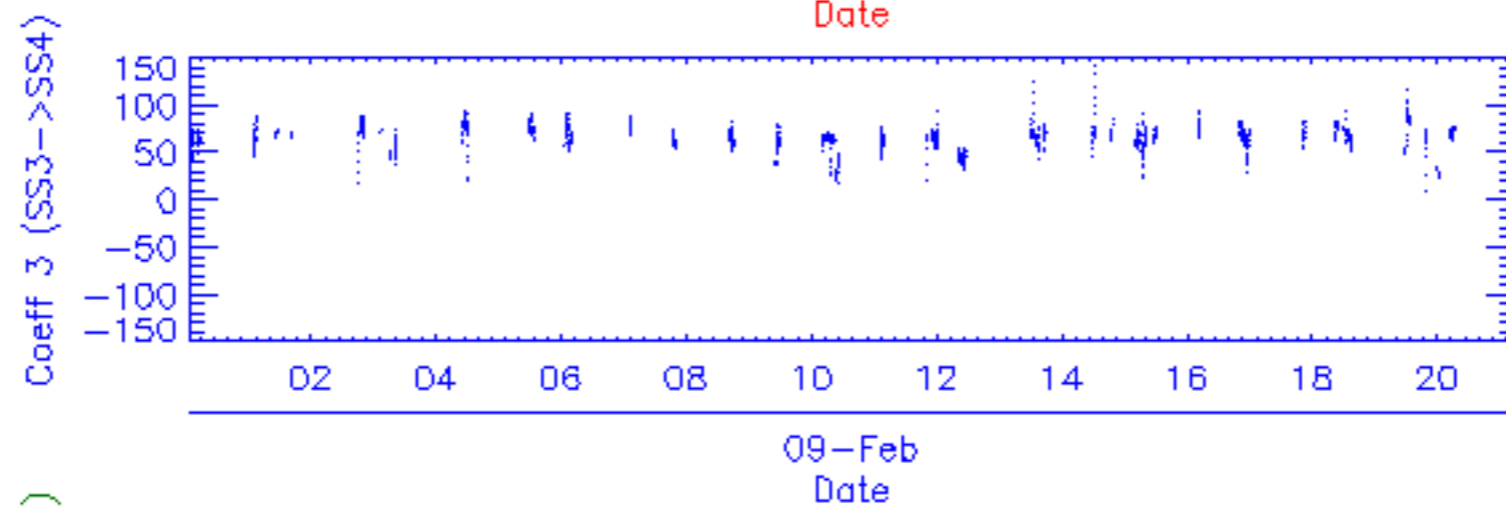
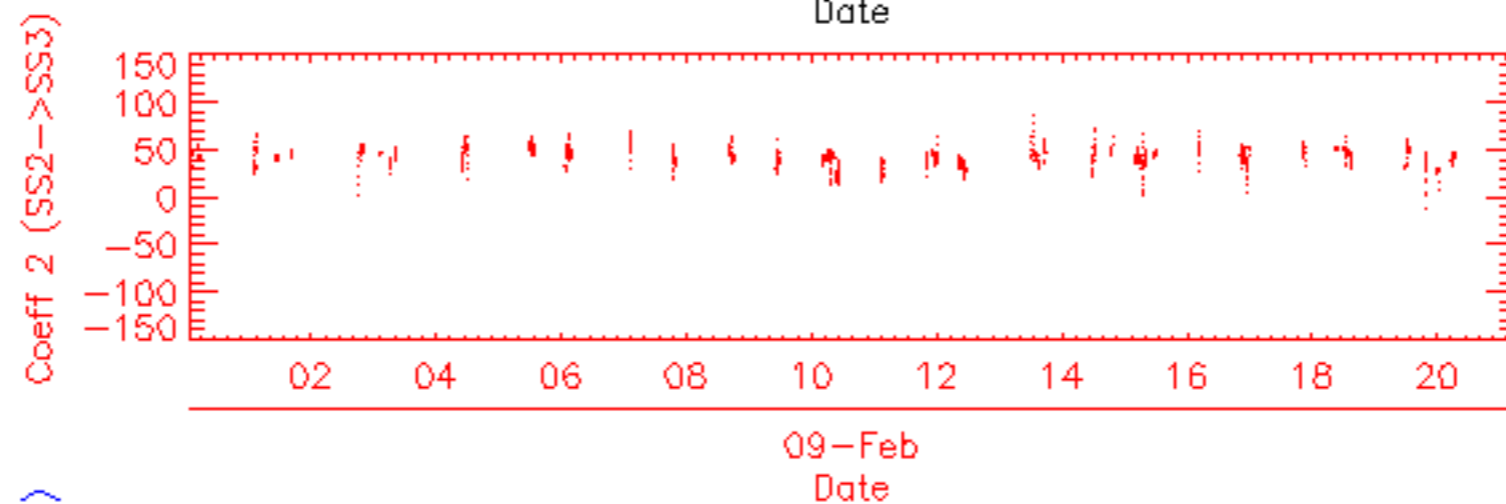
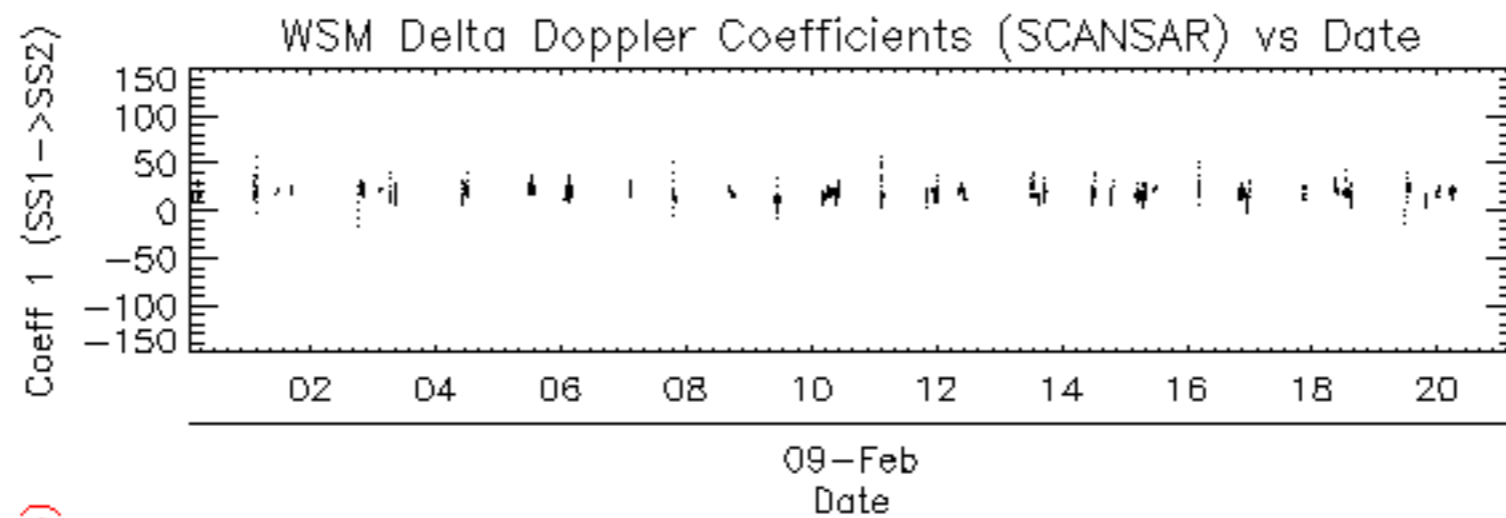




















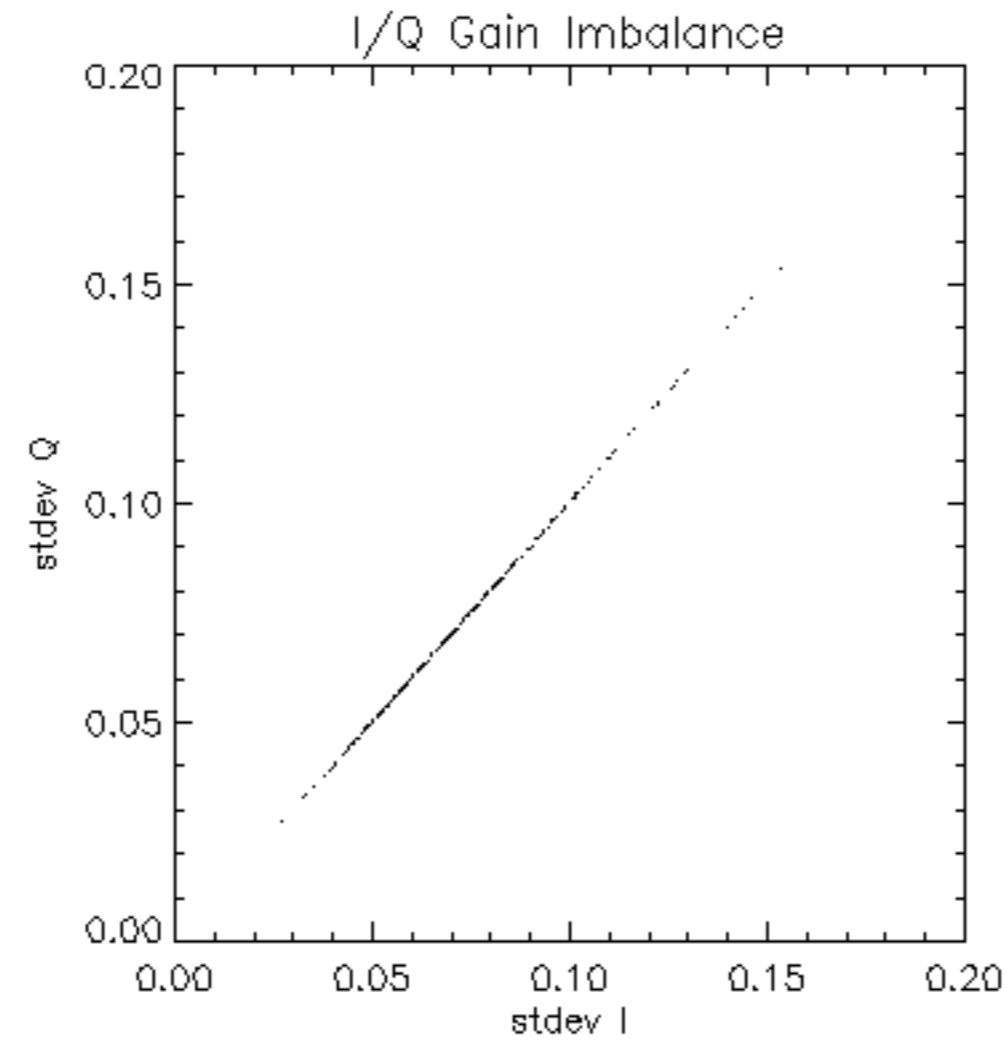


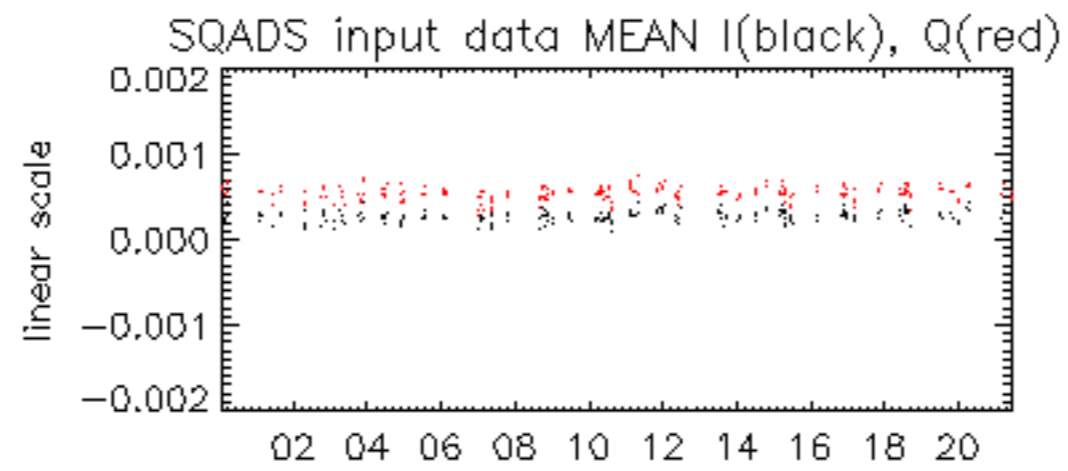




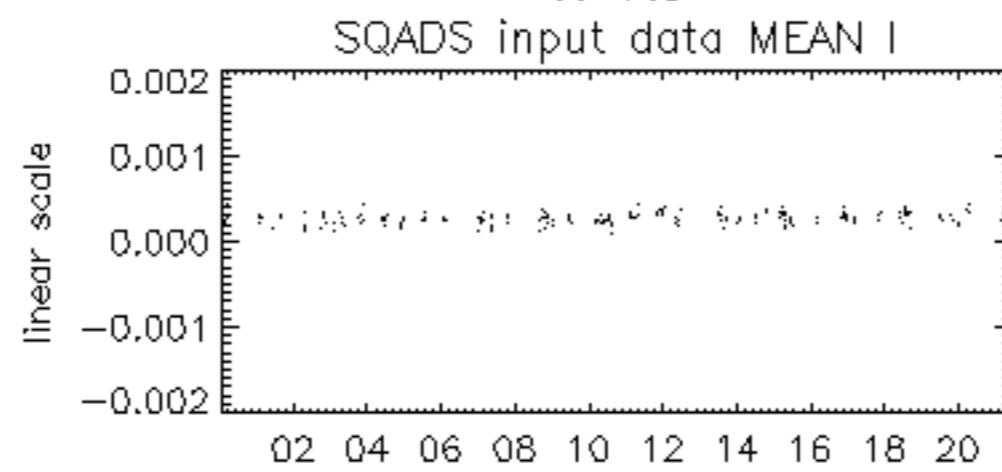




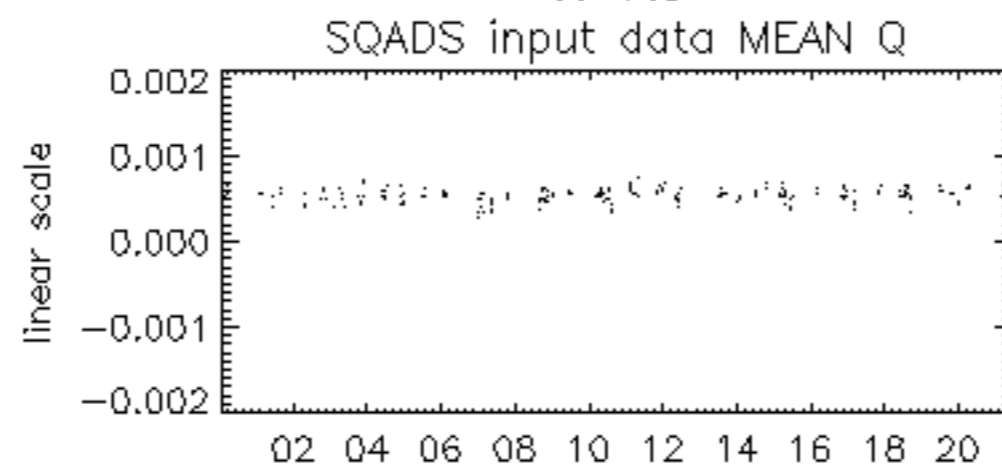




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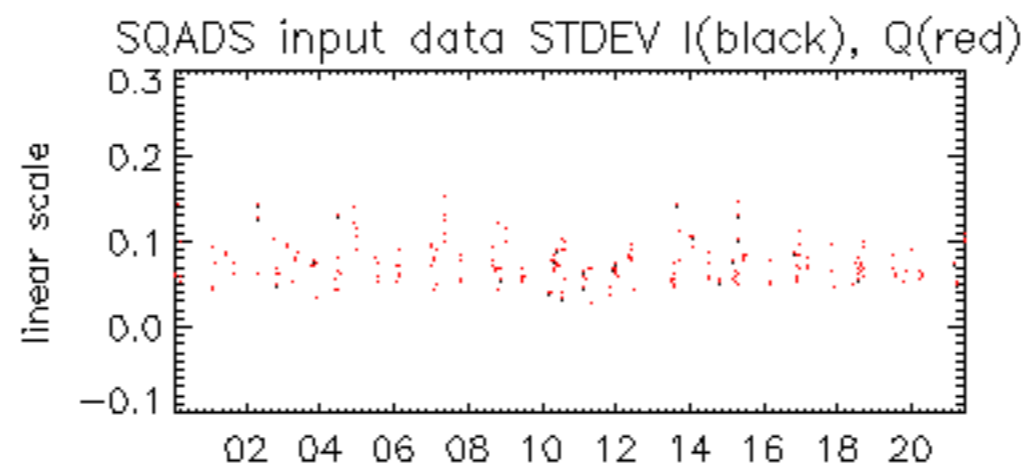


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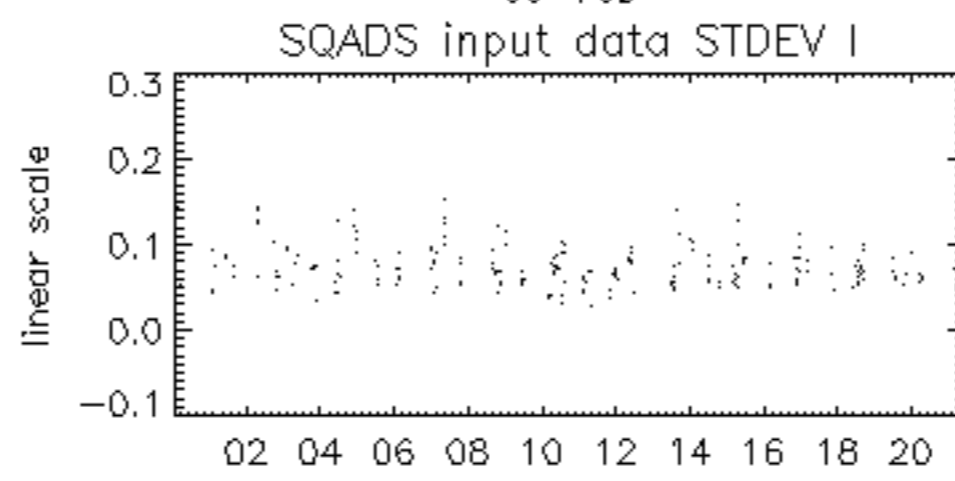


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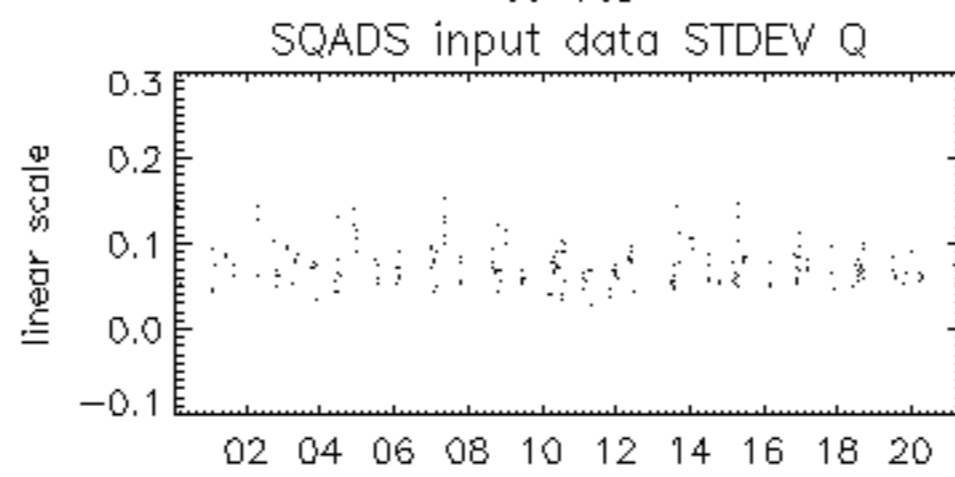




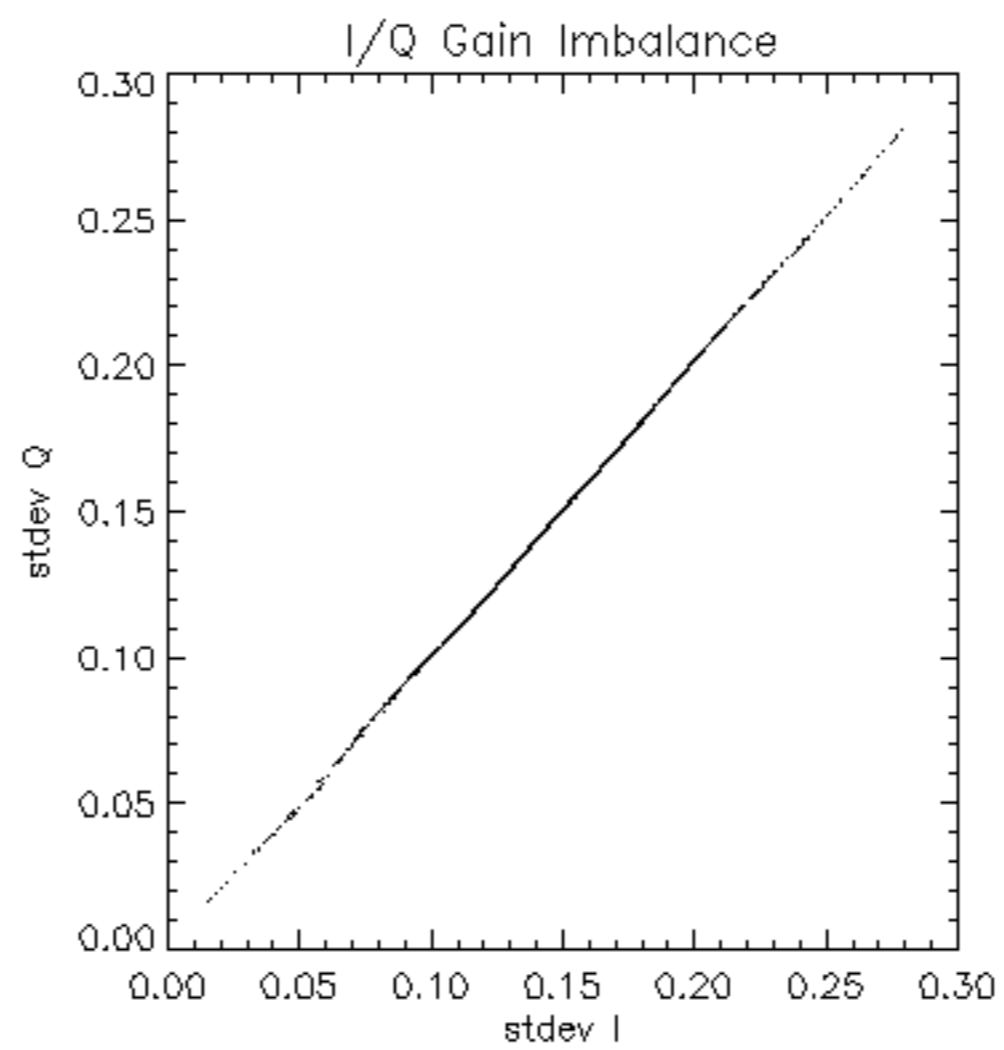
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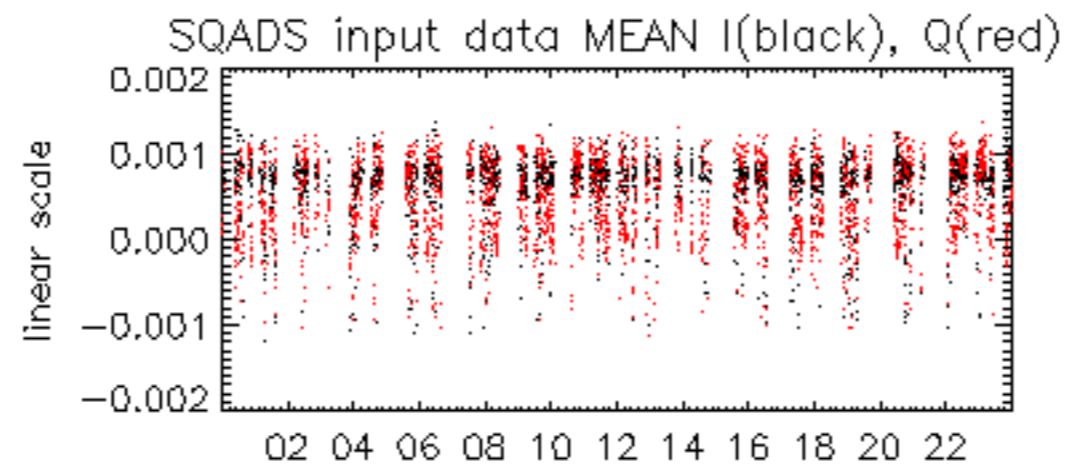


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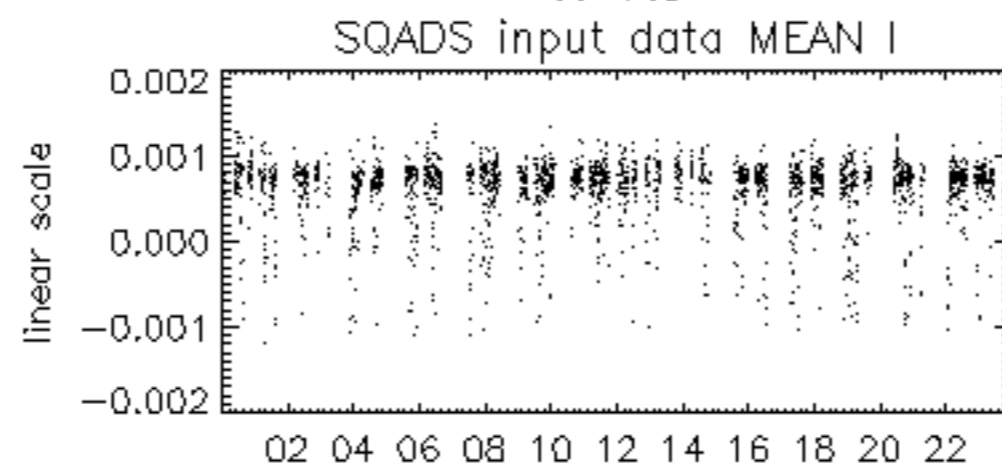


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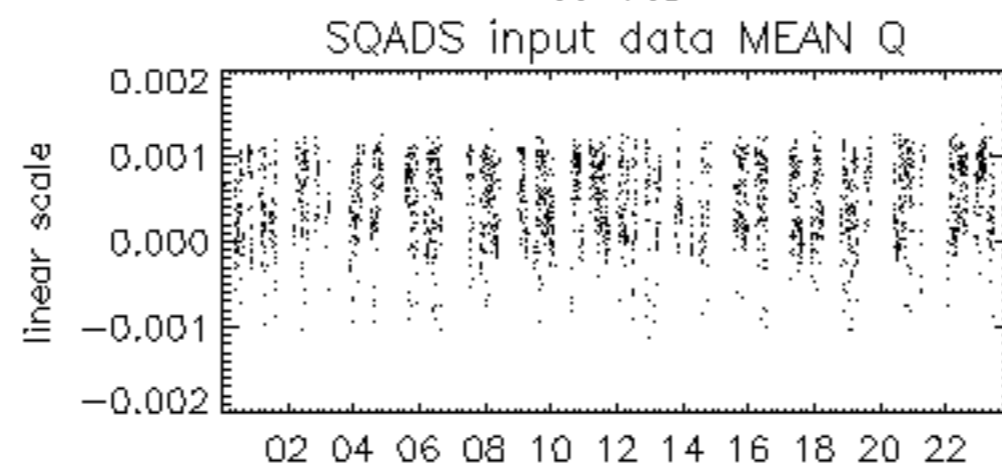




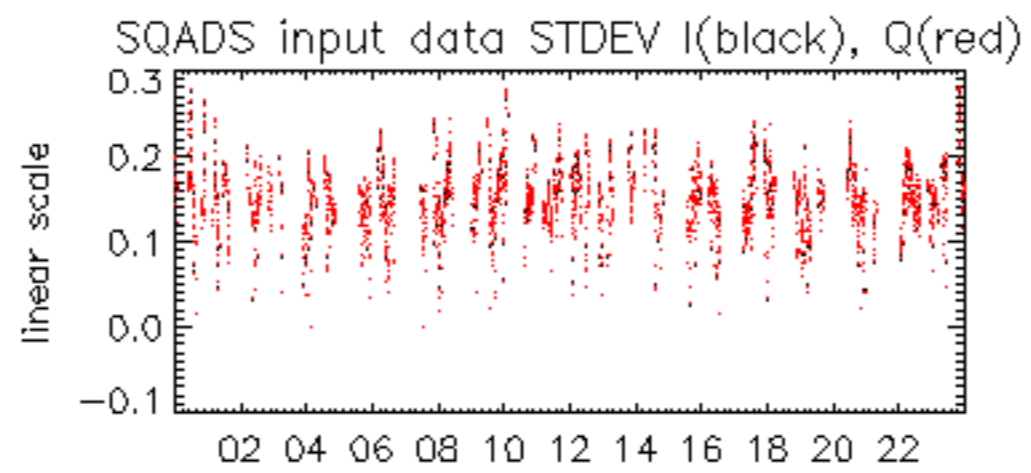
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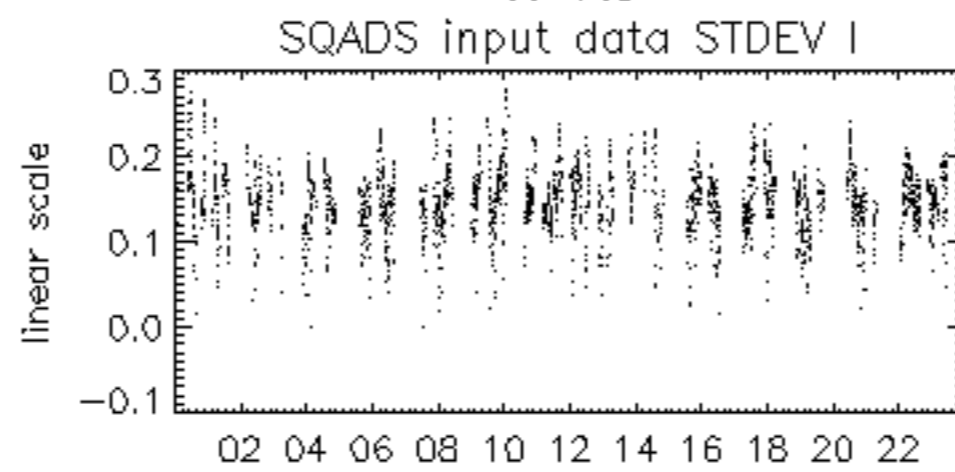
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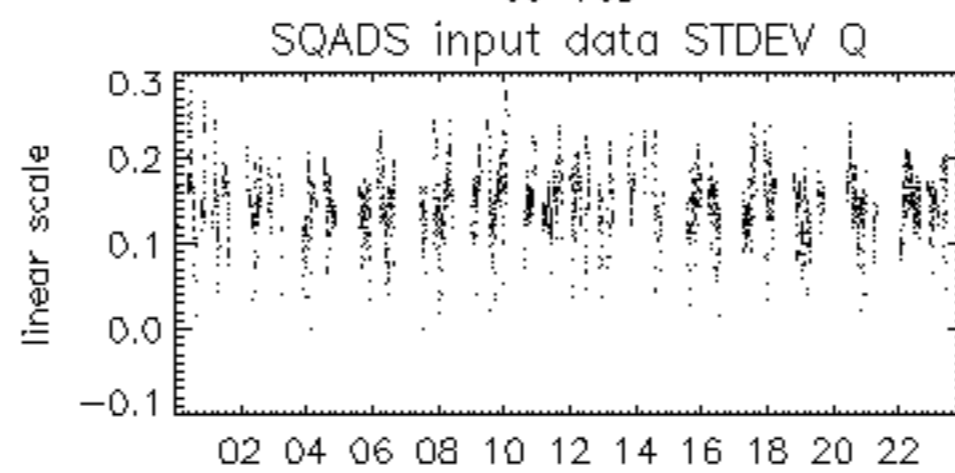
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