



Analysis from 05-JUL-2011 00:00:00 to 05-JUL-2011 23:59:59. Page generated on 06-JUL-2011 07:31:43.  
View log file: ASAR\_Daily\_Report\_20110706\_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	31	PDE	IS1	H/H	2	PDE	IS2	V/V	1	PDE	WS	H/H	30	PDK	2011-07-05 16:25:39	H	320
PDE	IS2	V/V	27					PDE	IS2	H/H	2	PDE	IS3	V/V	1	PDE	WS	V/V	7	PDK	2011-07-05 18:05:53	V	320
PDK	IS2	V/V	23					PDE	IS4	H/H	1	PDE	IS4	H/H	1								
								PDE	IS4	V/H	2	PDE	IS6	H/H	6								

## 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_AXVIEC20110526_075734_20101027_215740_20141231_000000

### 2.2 - Products with wrong ADFs

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

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

## 3 - MODULE STEPPING PRODUCTS ANALYSIS

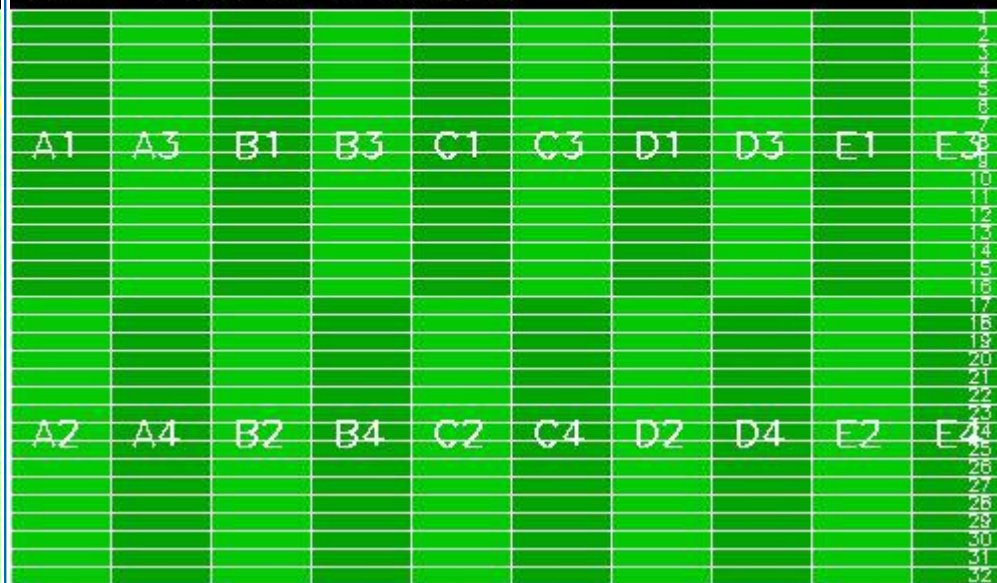
SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
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Pre-launch reference (2001-02-09)

Previous product in the same polarisation

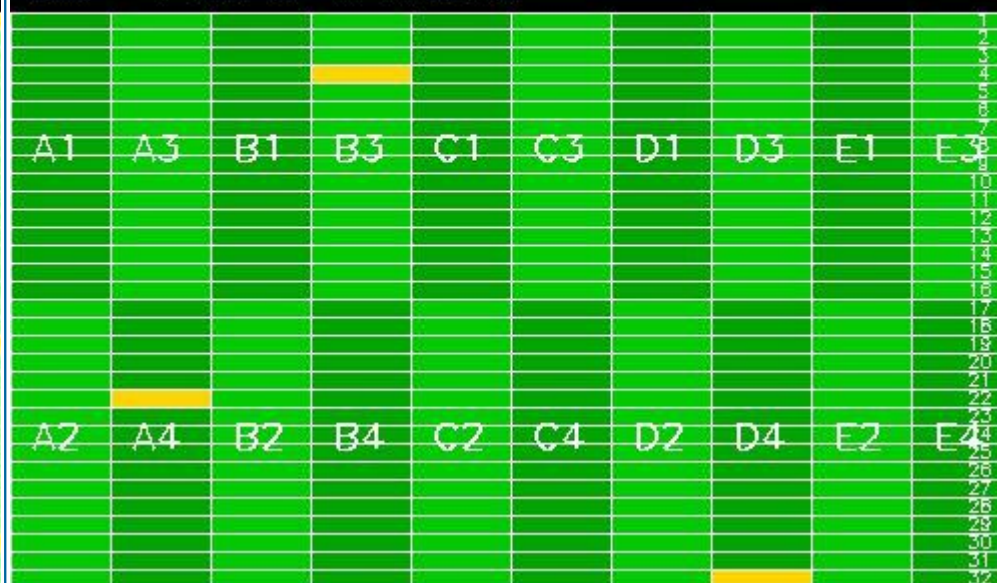
Reference: 2001-02-09 14:08:23 V RxGain  
 Test : 2011-07-05 18:05:53 V

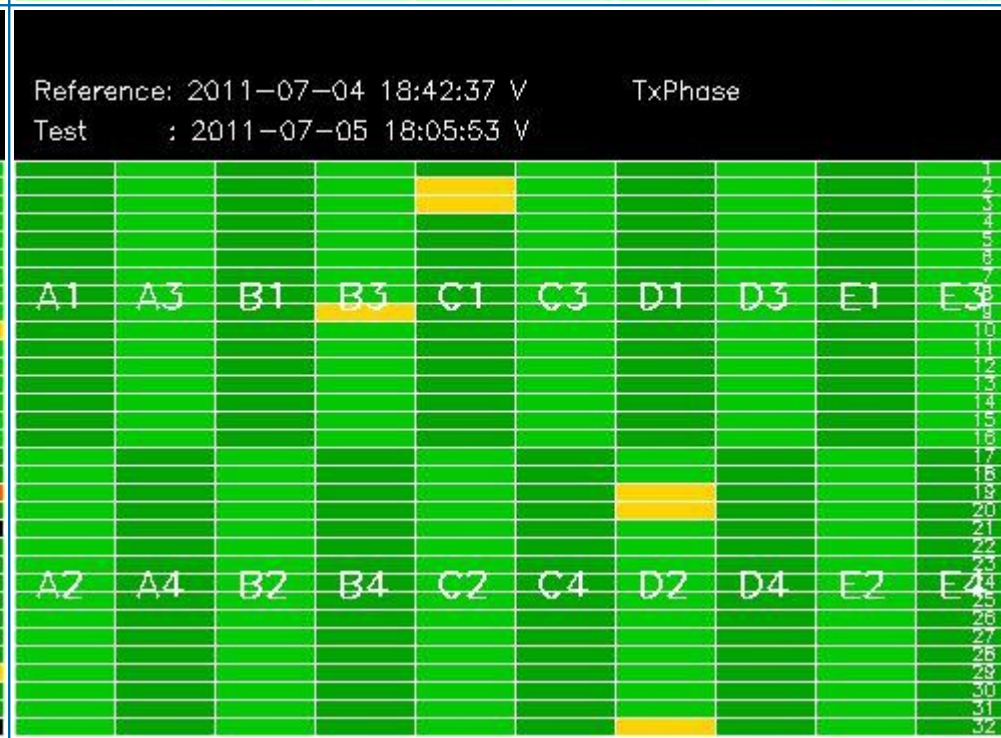
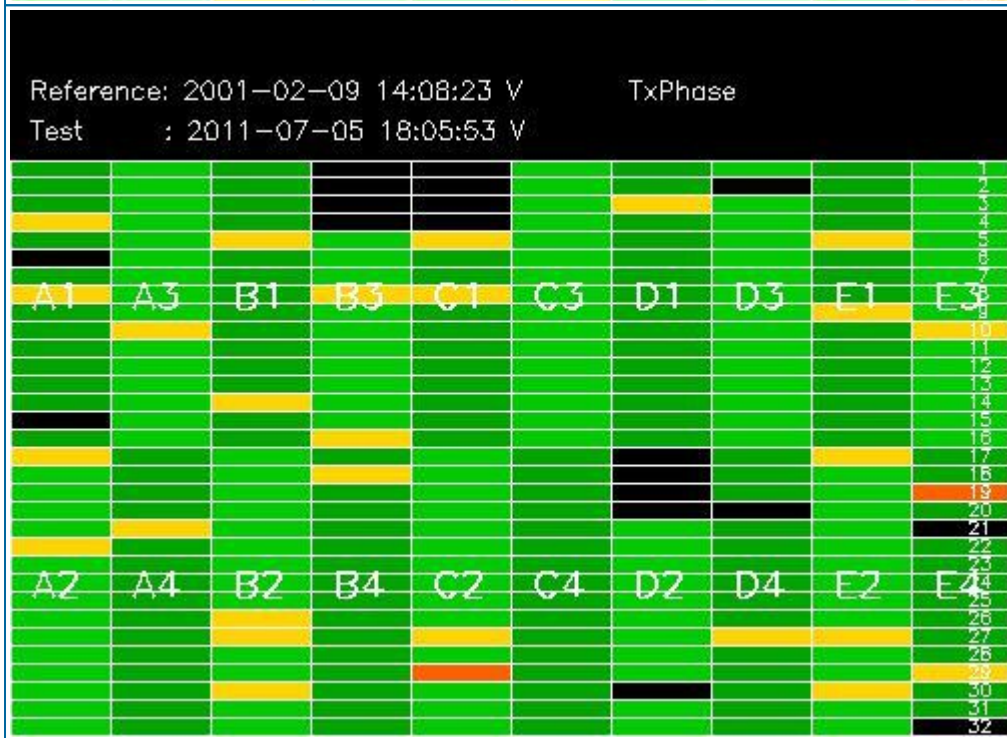
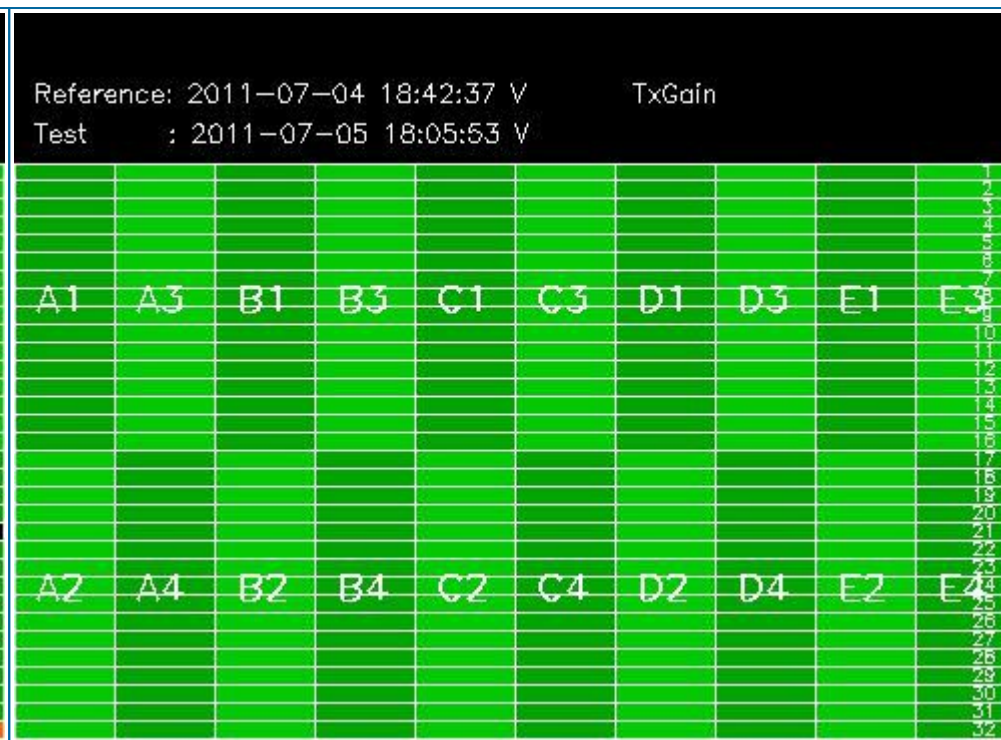
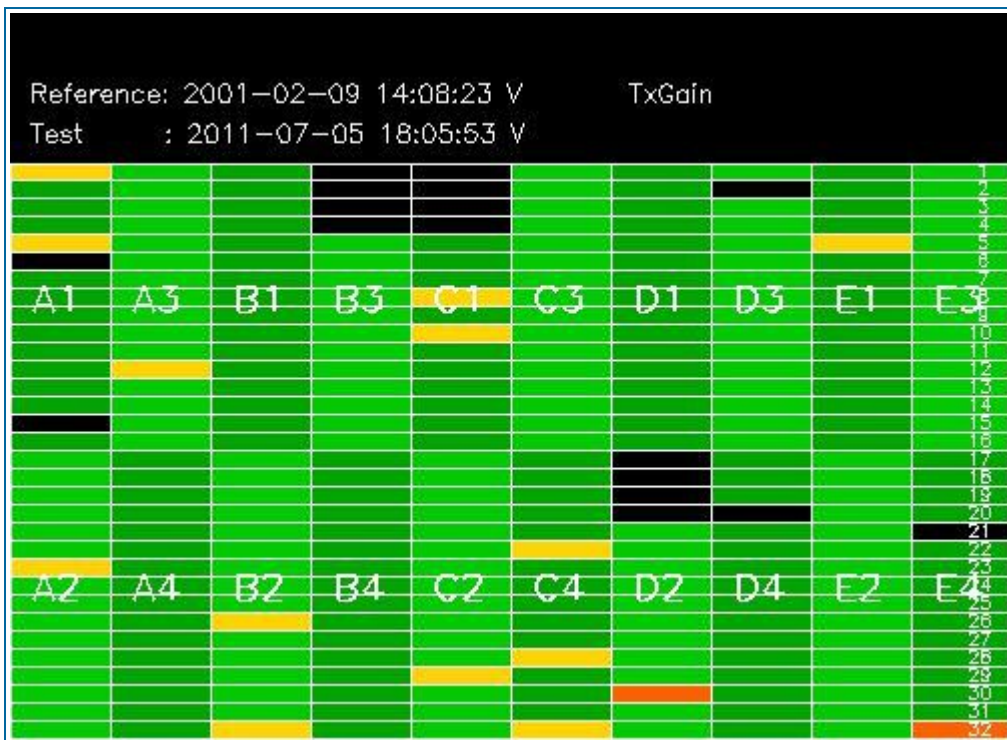
Reference: 2011-07-04 18:42:37 V RxGain  
 Test : 2011-07-05 18:05:53 V



Reference: 2001-02-09 14:08:23 V RxPhase  
 Test : 2011-07-05 18:05:53 V

Reference: 2011-07-04 18:42:37 V RxPhase  
 Test : 2011-07-05 18:05:53 V

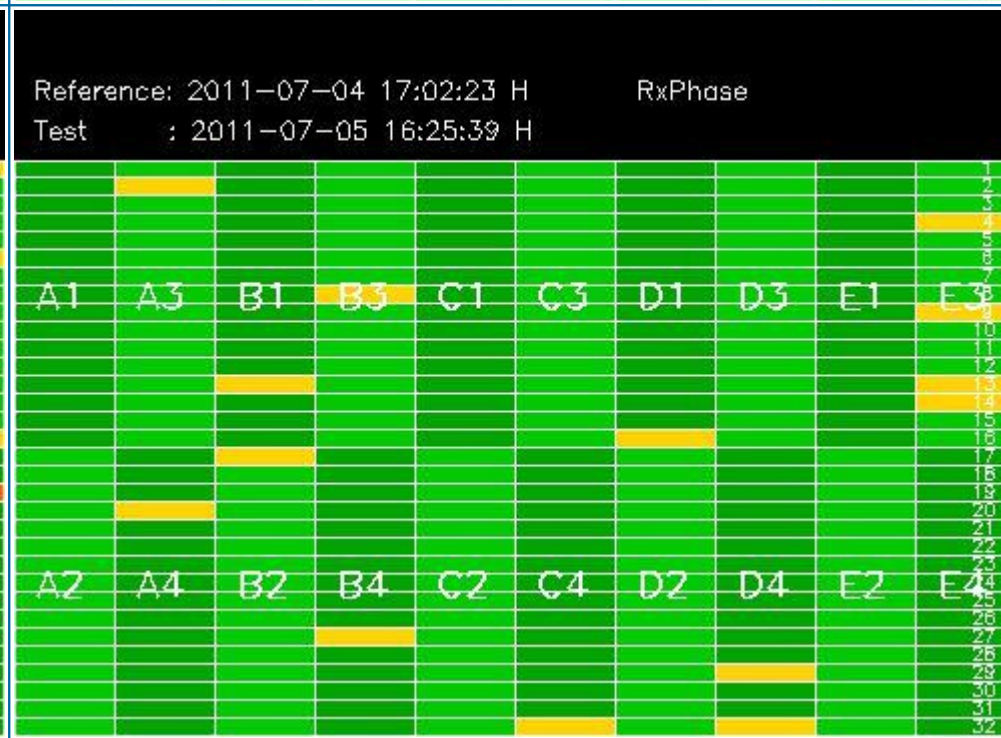
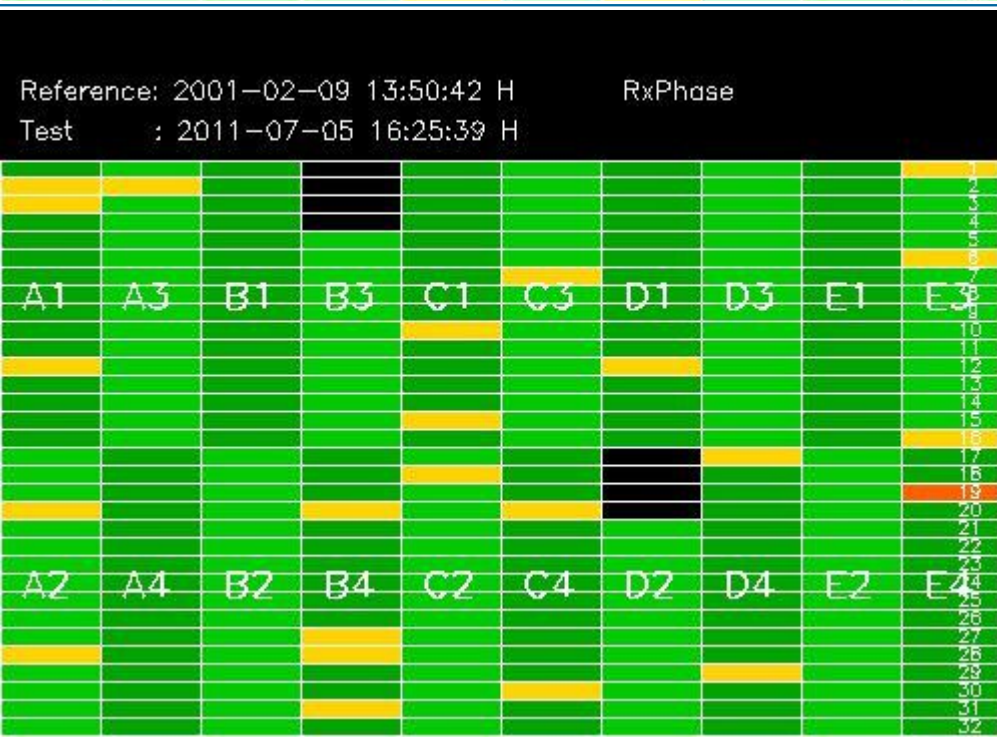
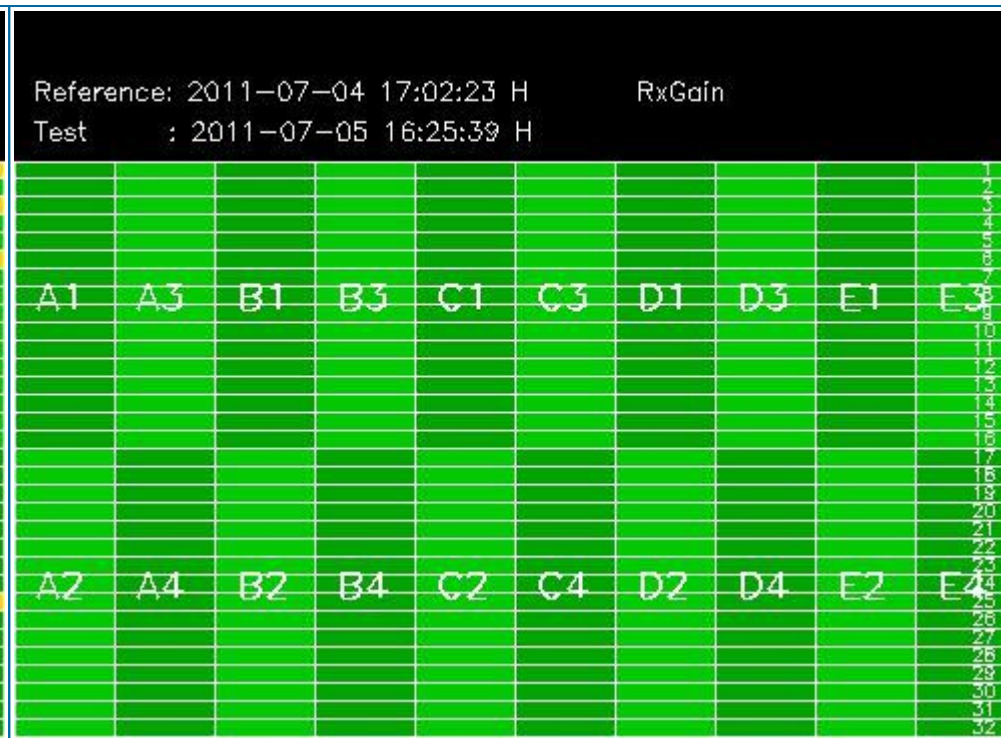
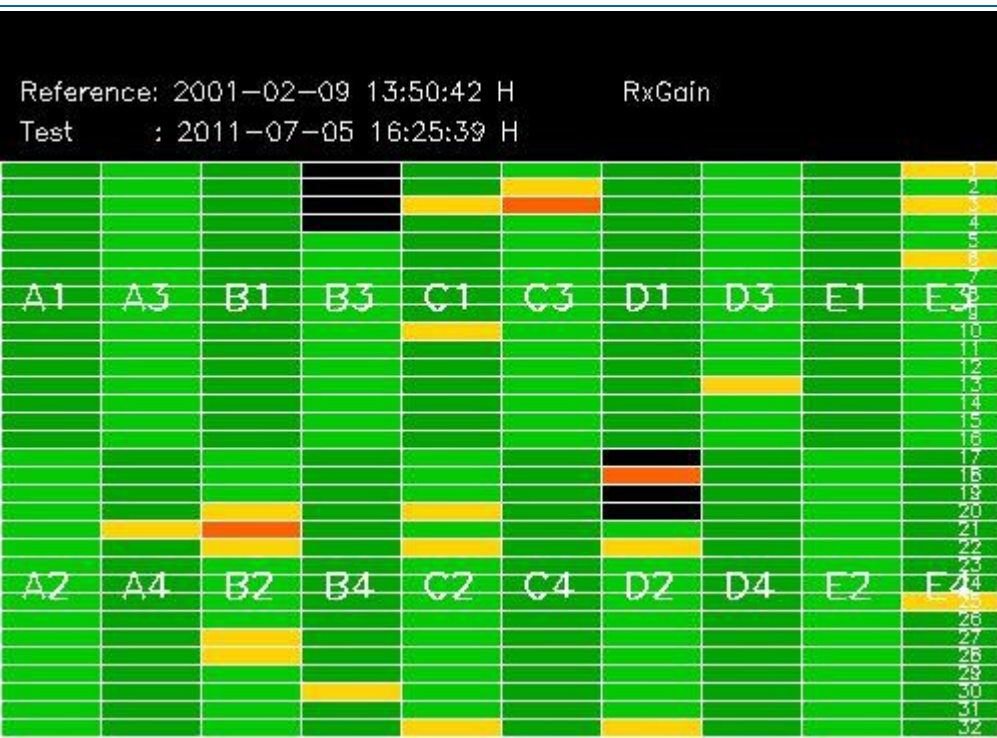


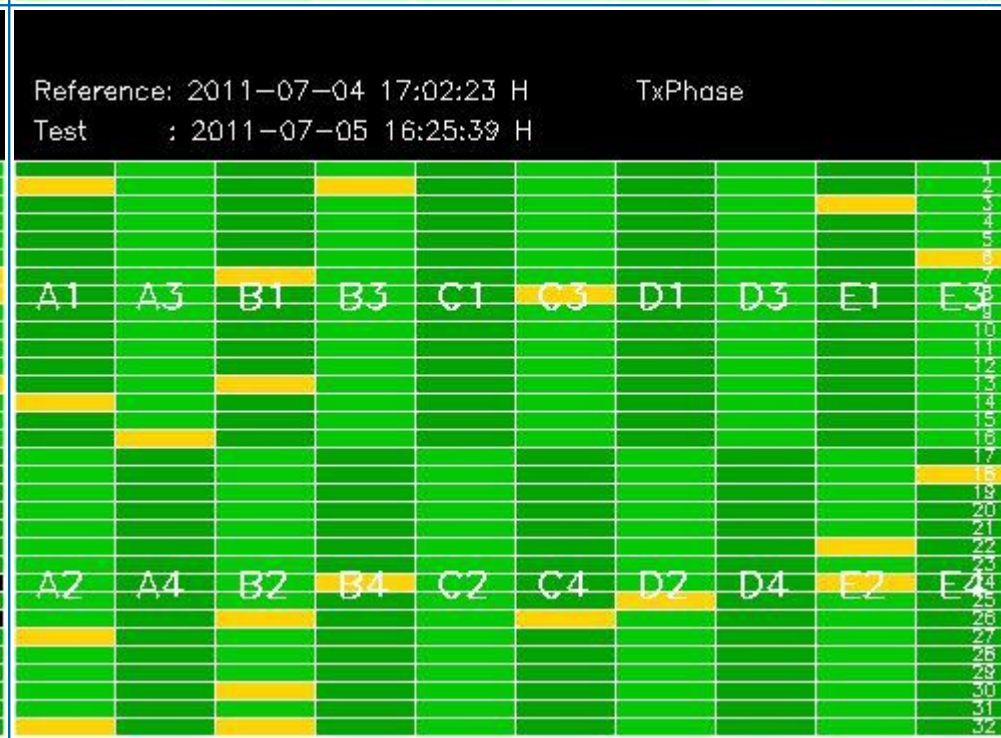
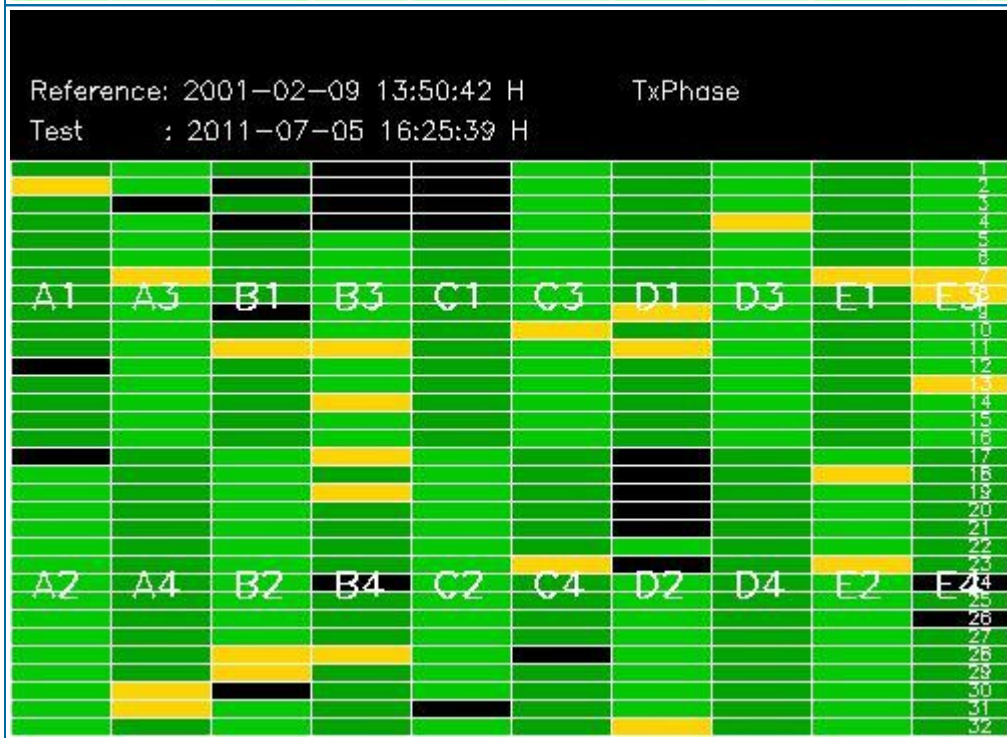
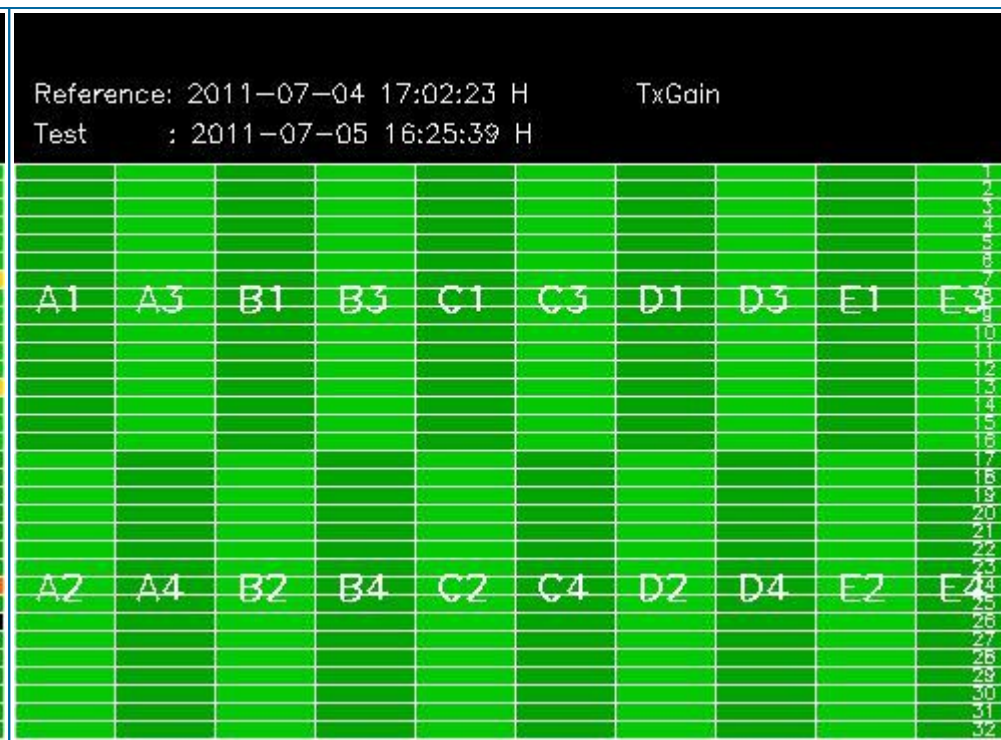
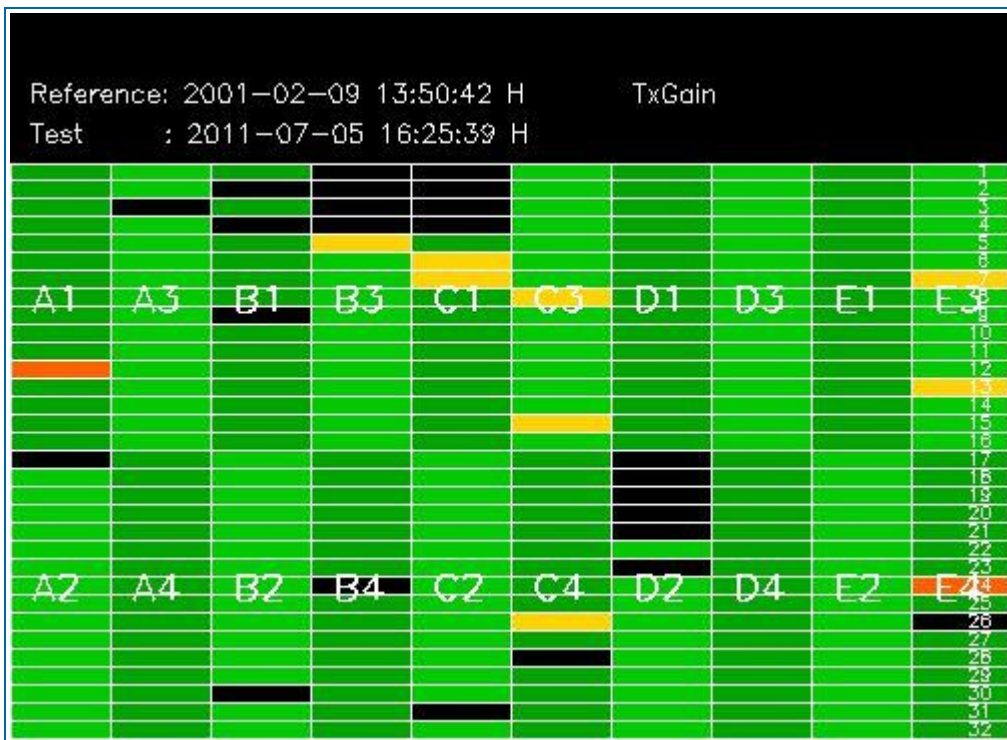


### 3.2 - H/H polarisation

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





## 4 - CALIBRATION PULSES ANALYSIS

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

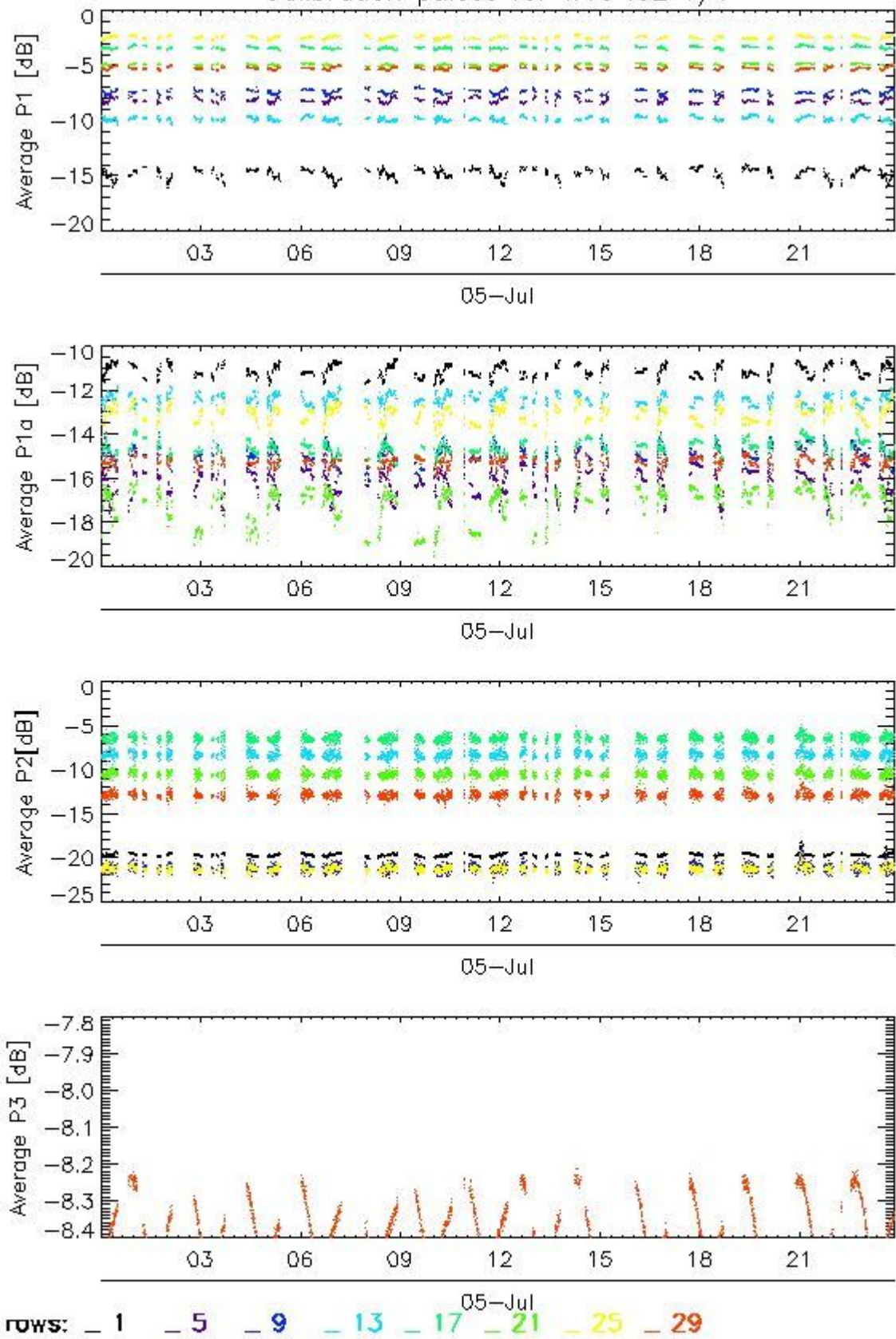
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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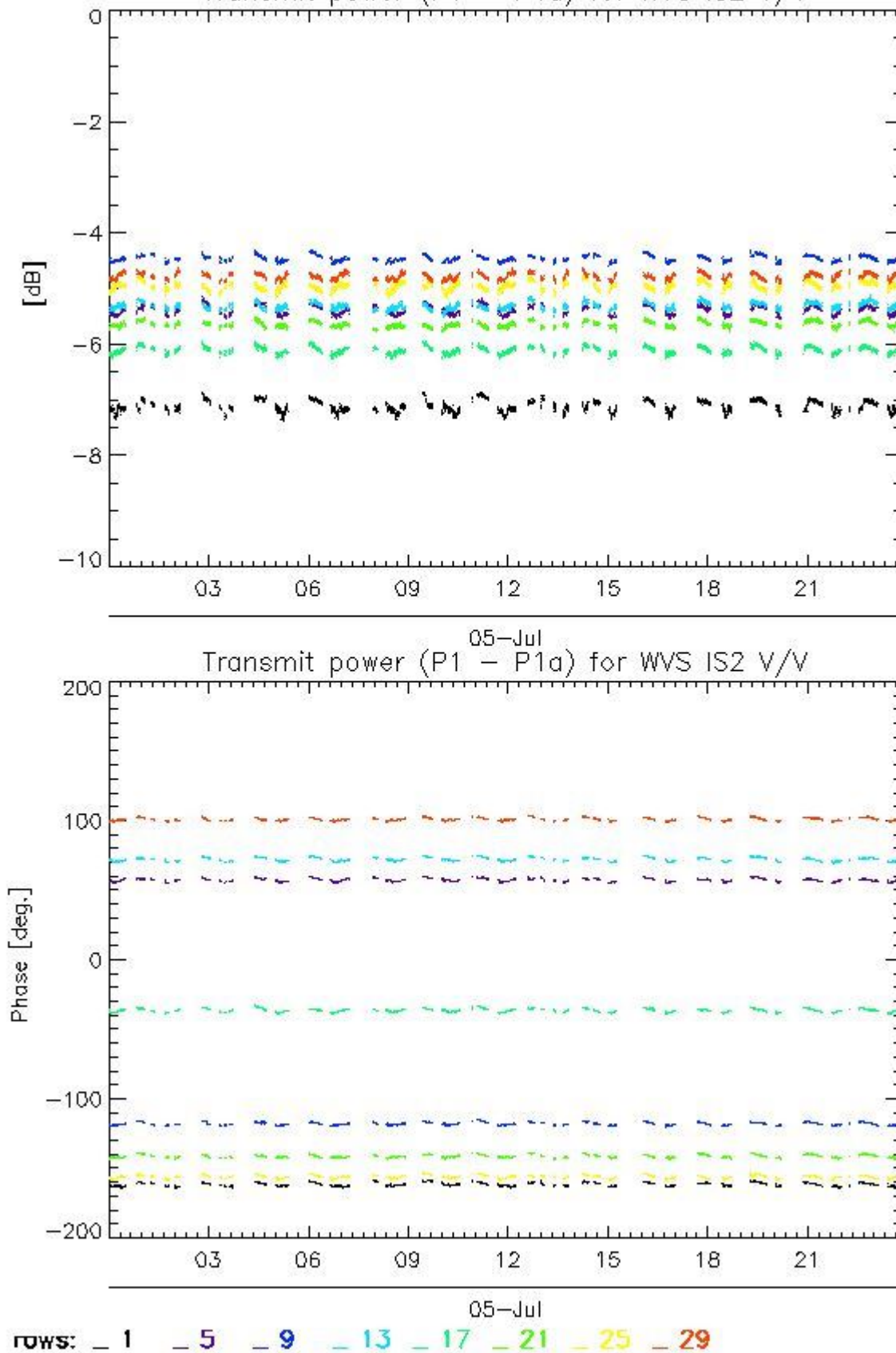
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



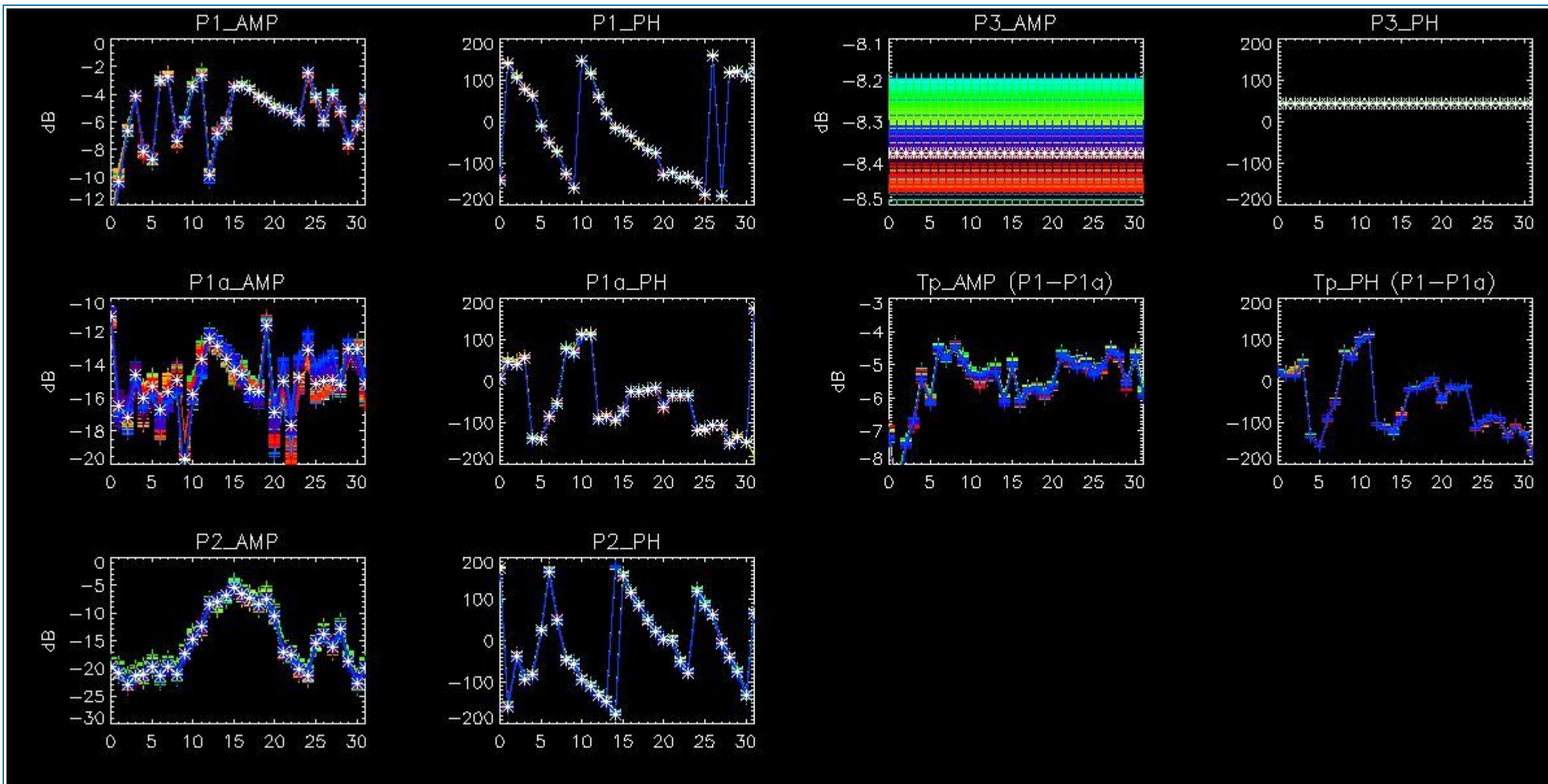
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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## 4.2 - Analysis for GM1 SS3 H/H

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

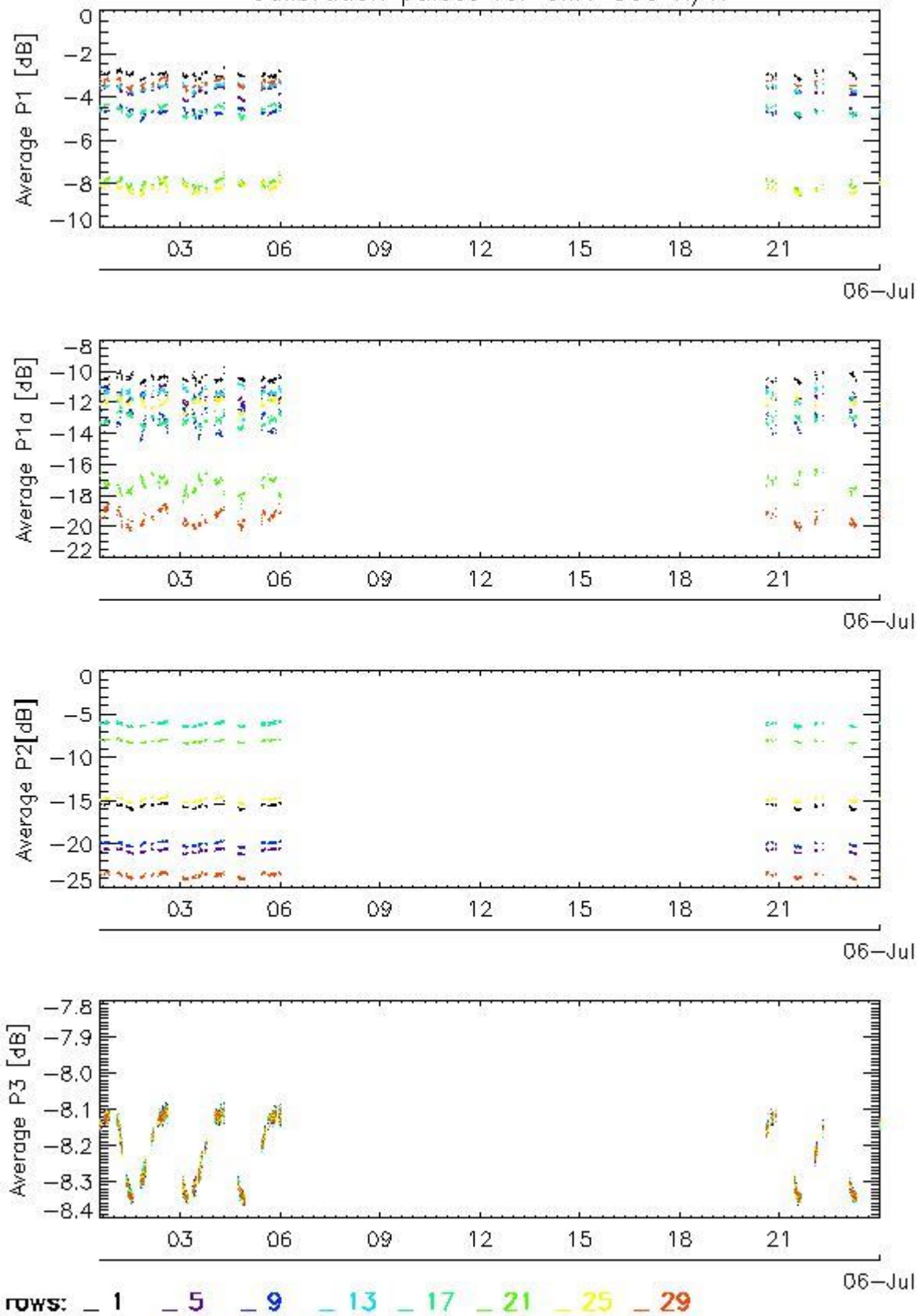
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

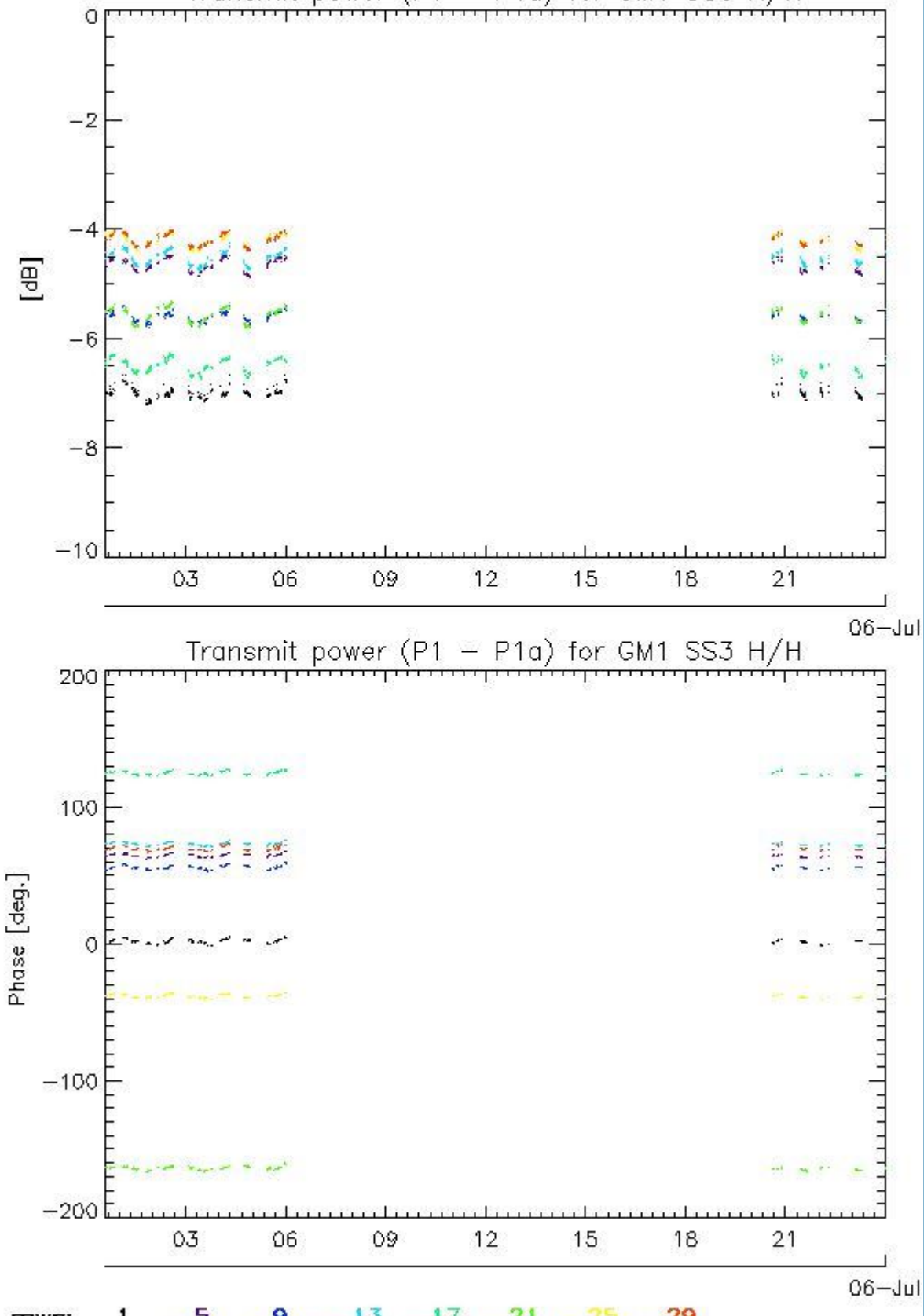
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



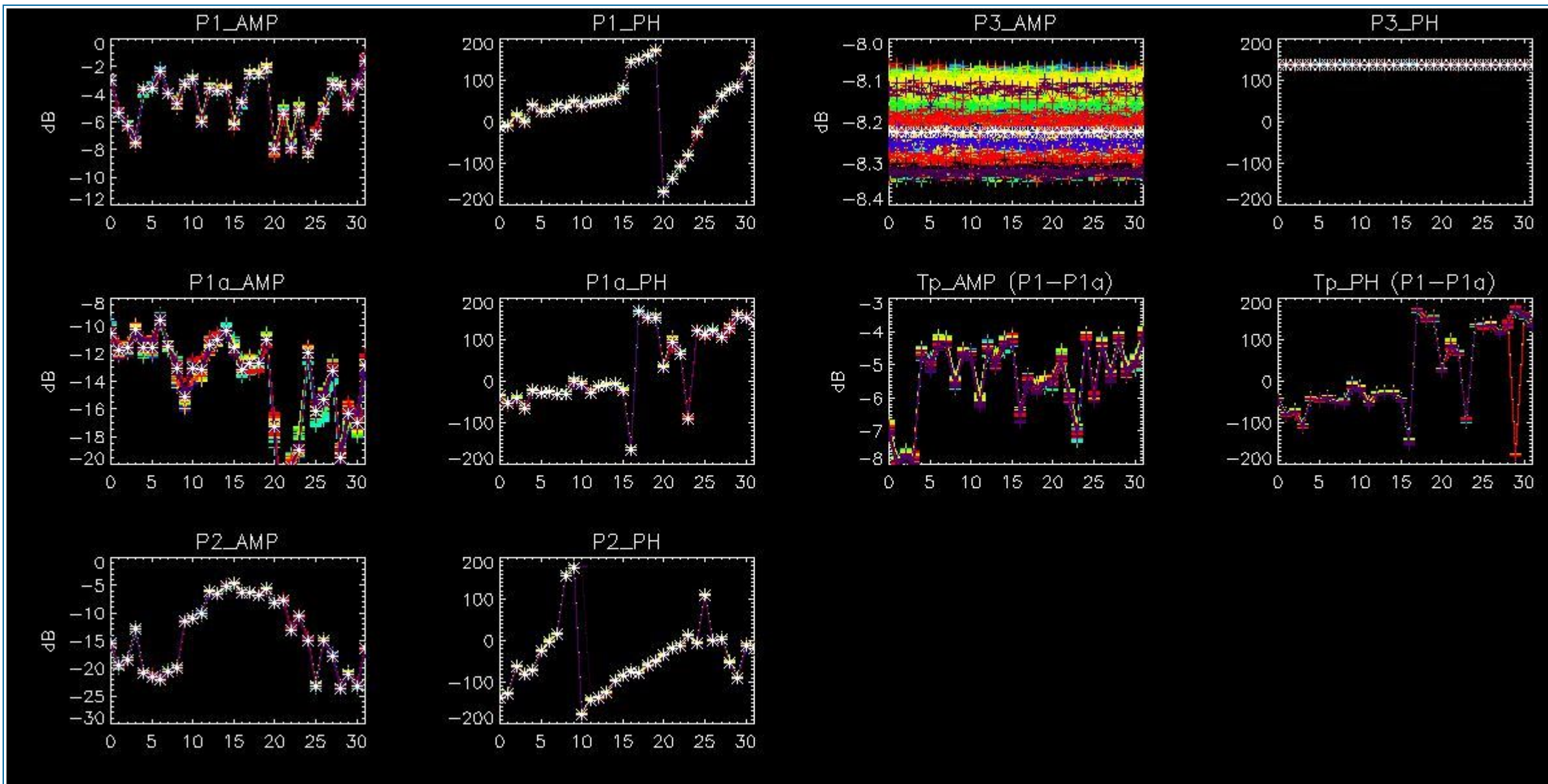
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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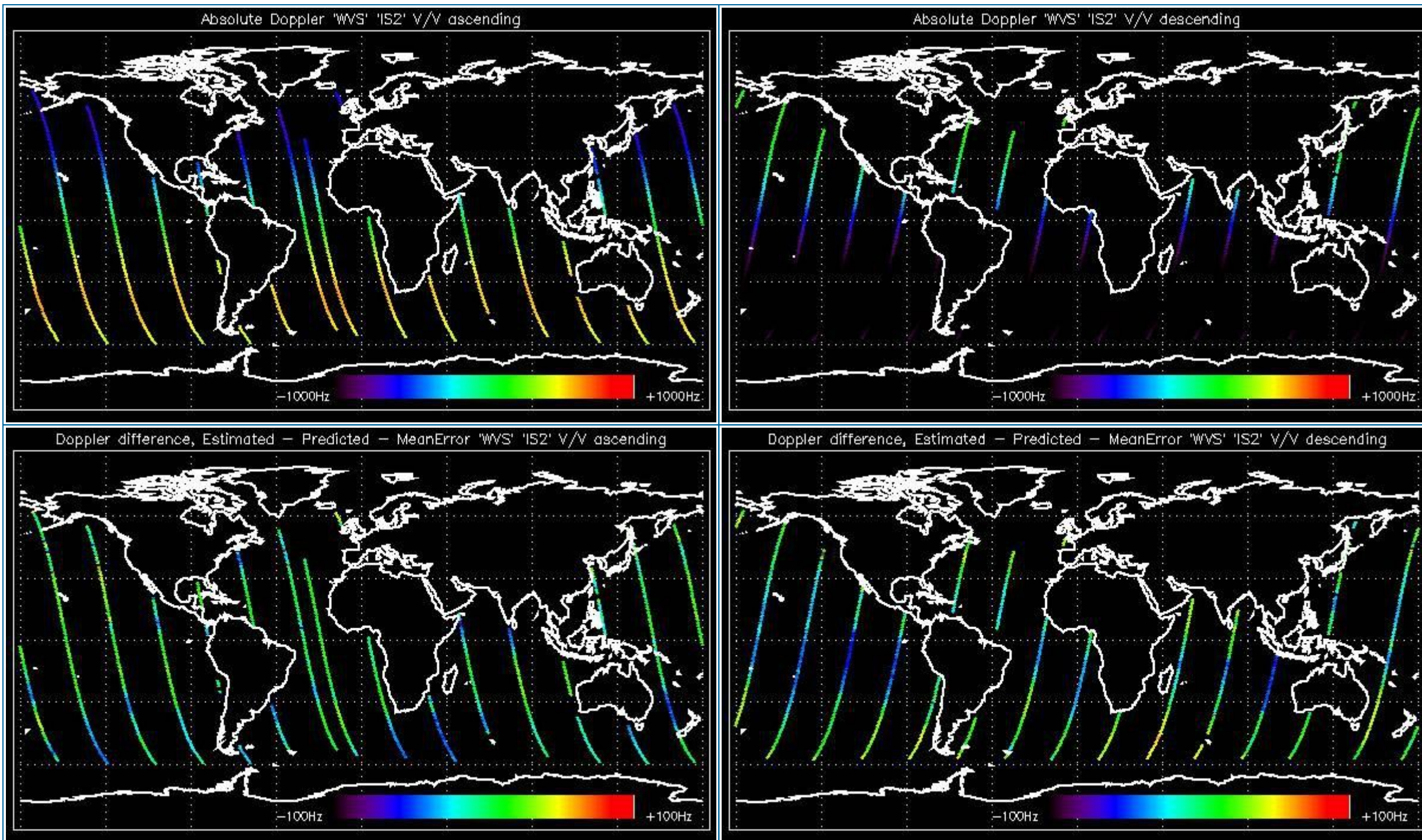
## 5 - DOPPLER ANALYSIS

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

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

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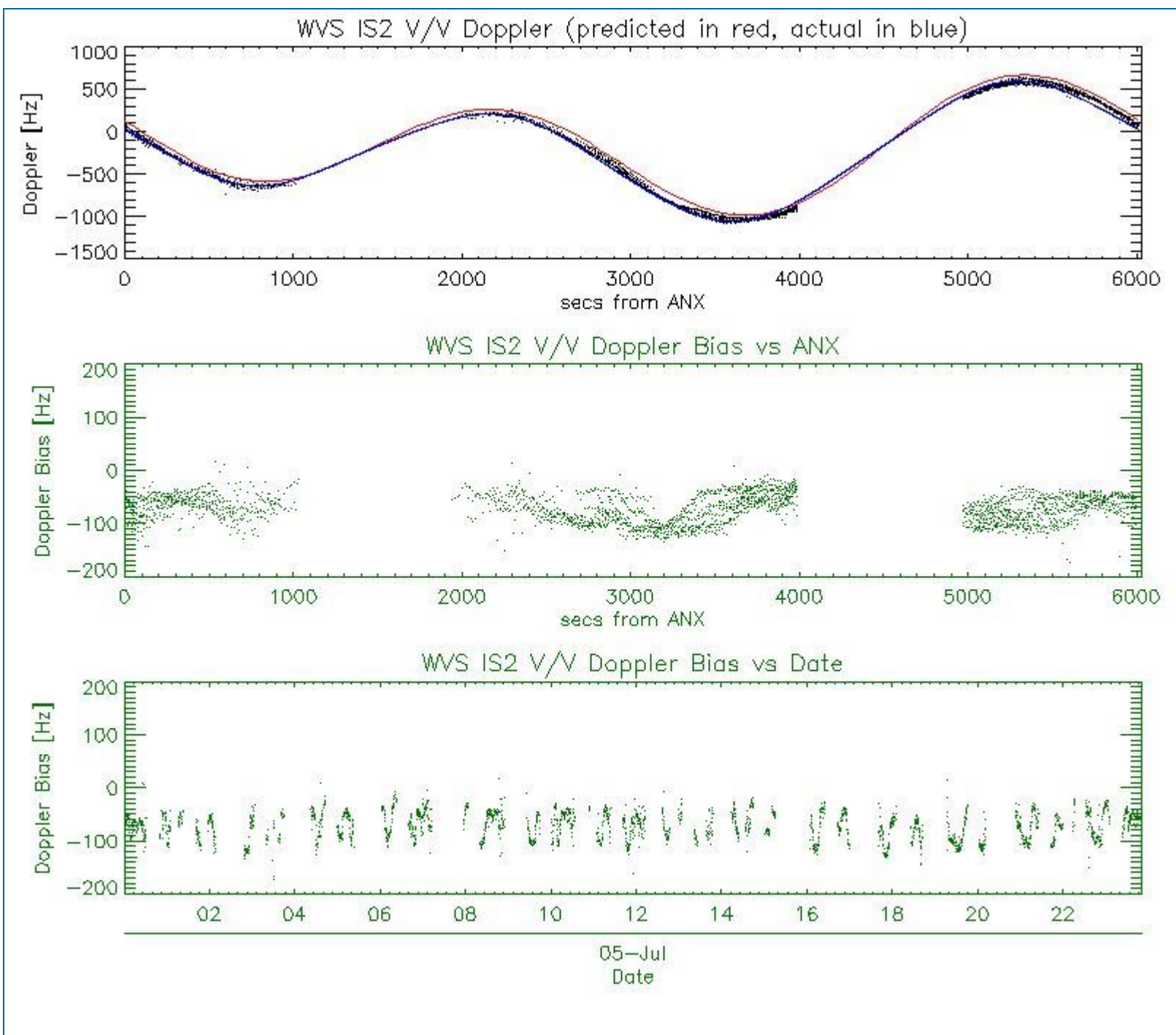




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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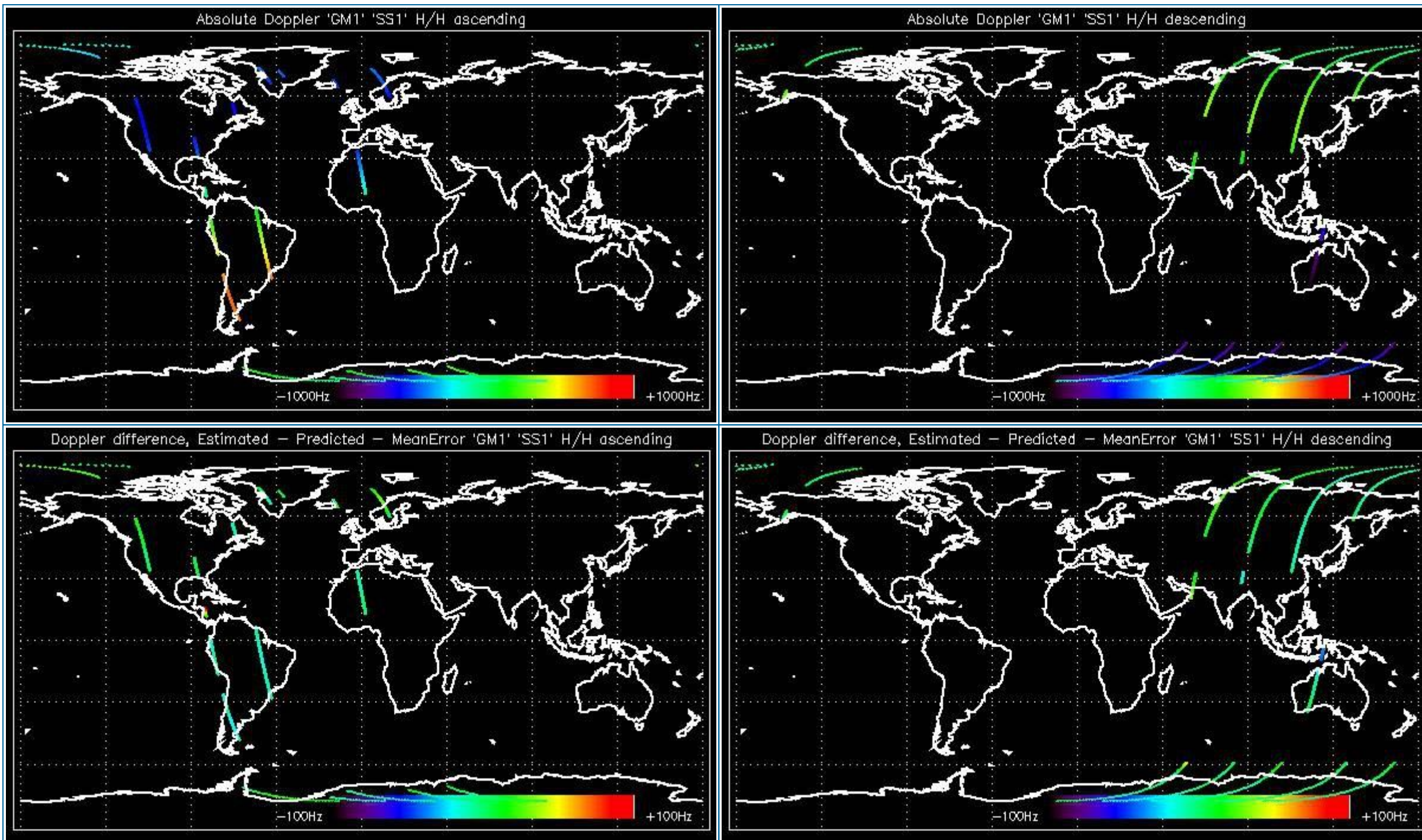


## 5.2 - Analysis for GM1 SS1 H/H

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

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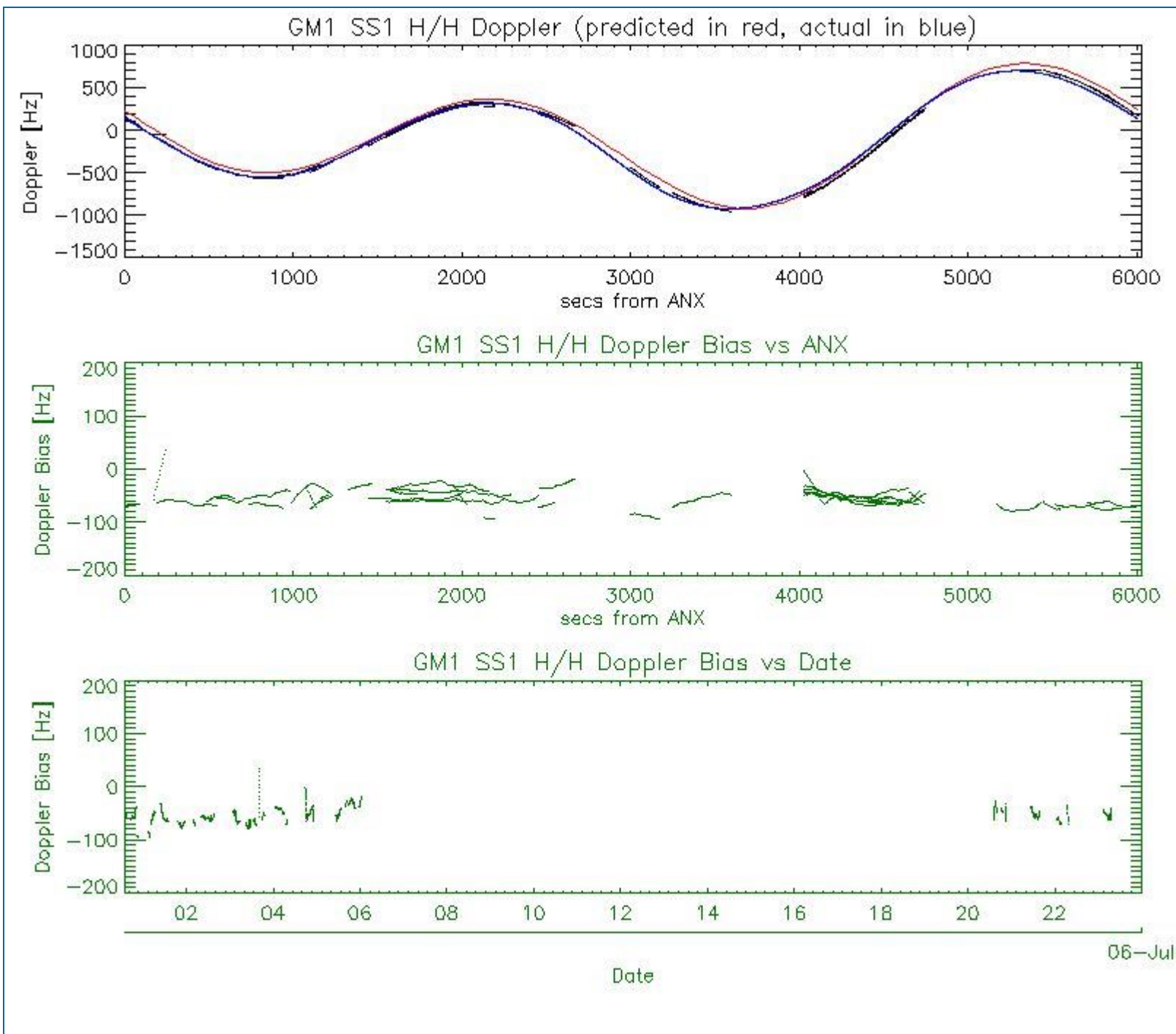




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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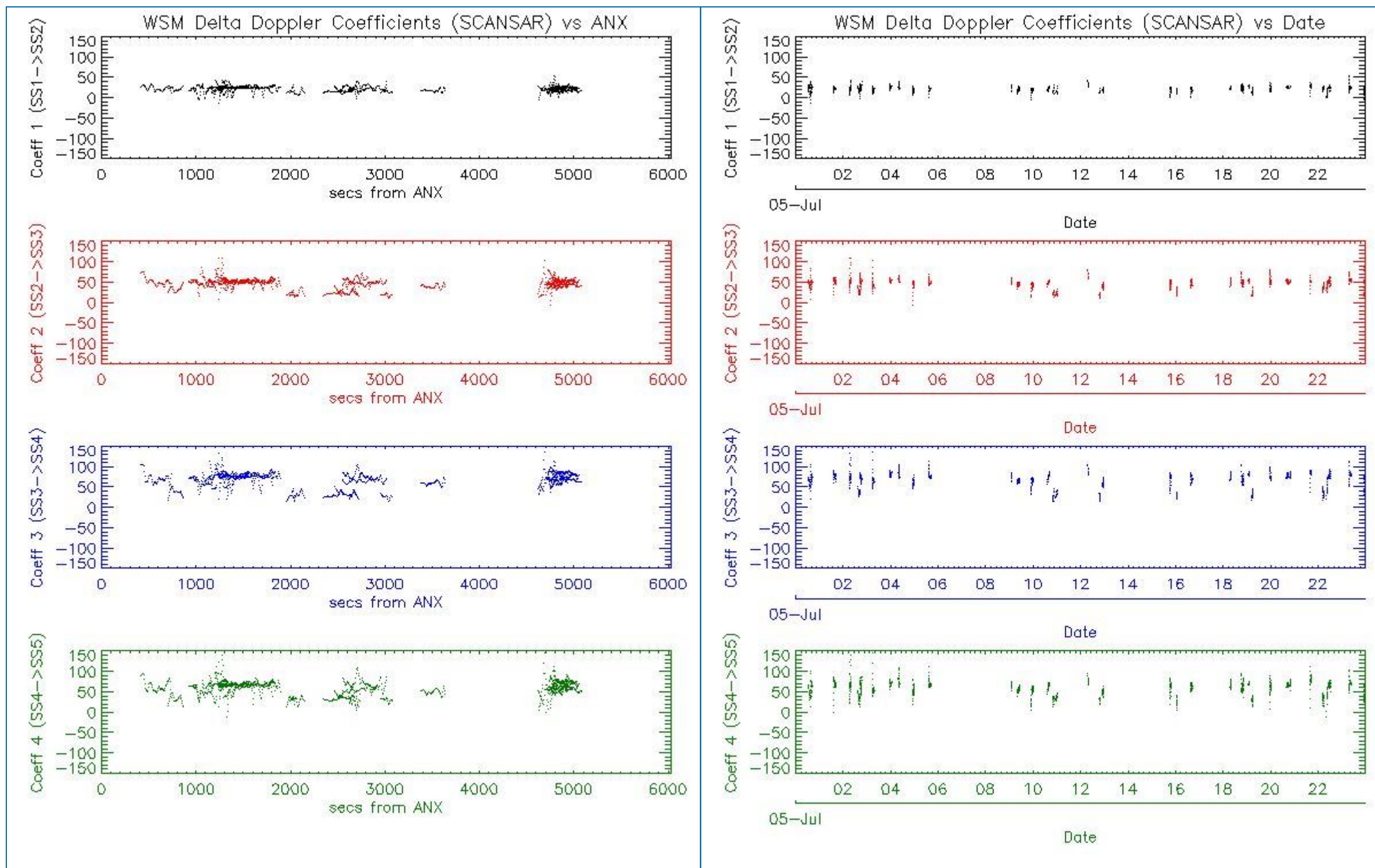




### 5.3 - Doppler JUMPS Analysis for WSM

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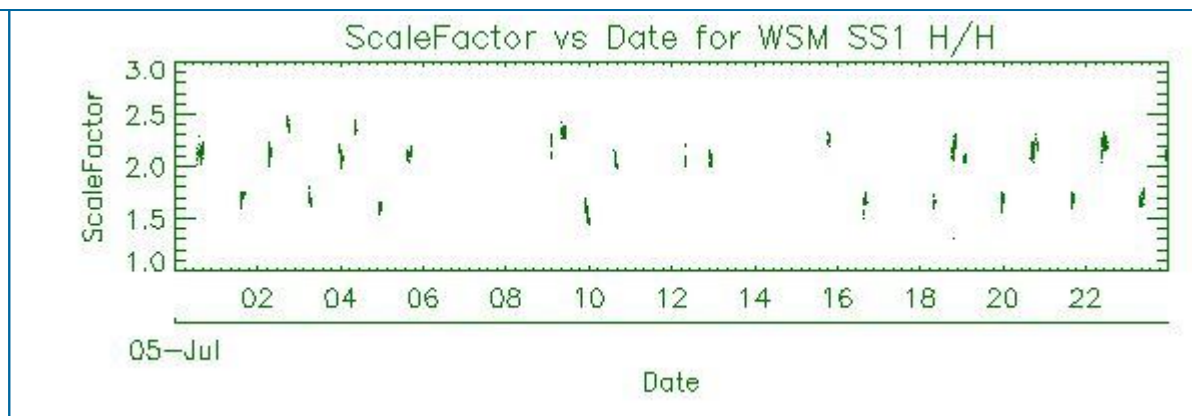
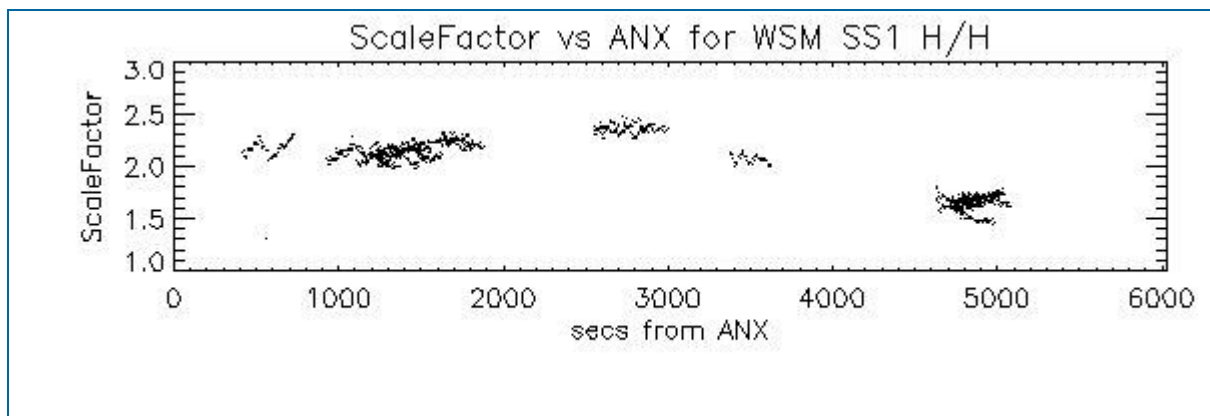
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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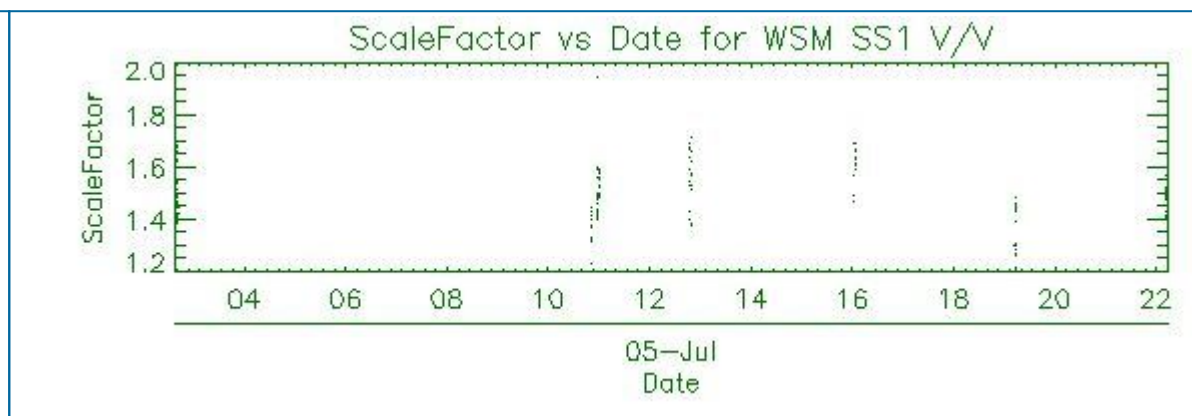
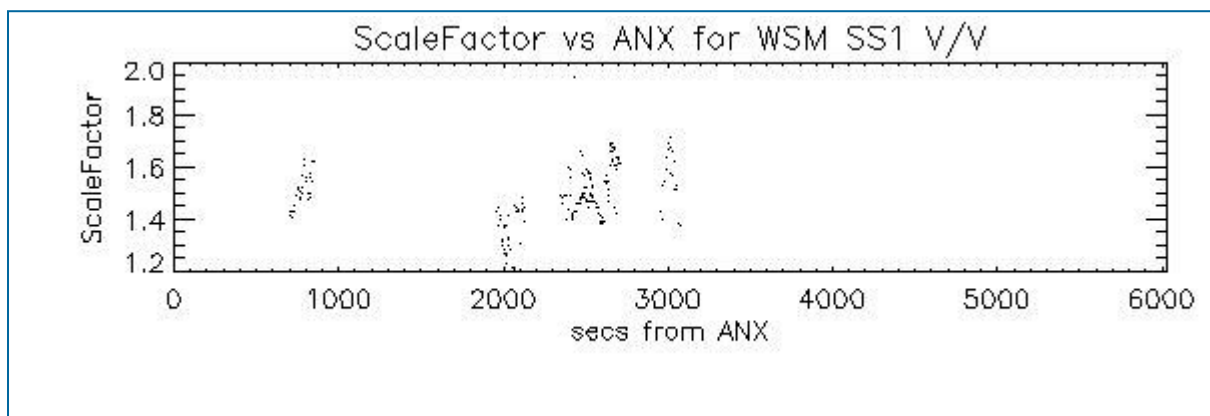




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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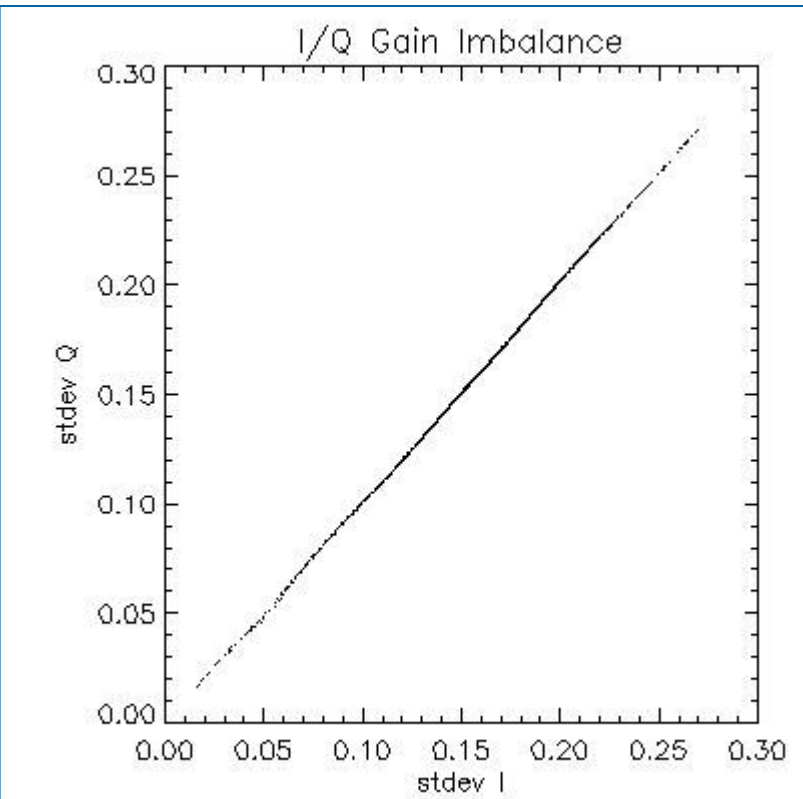
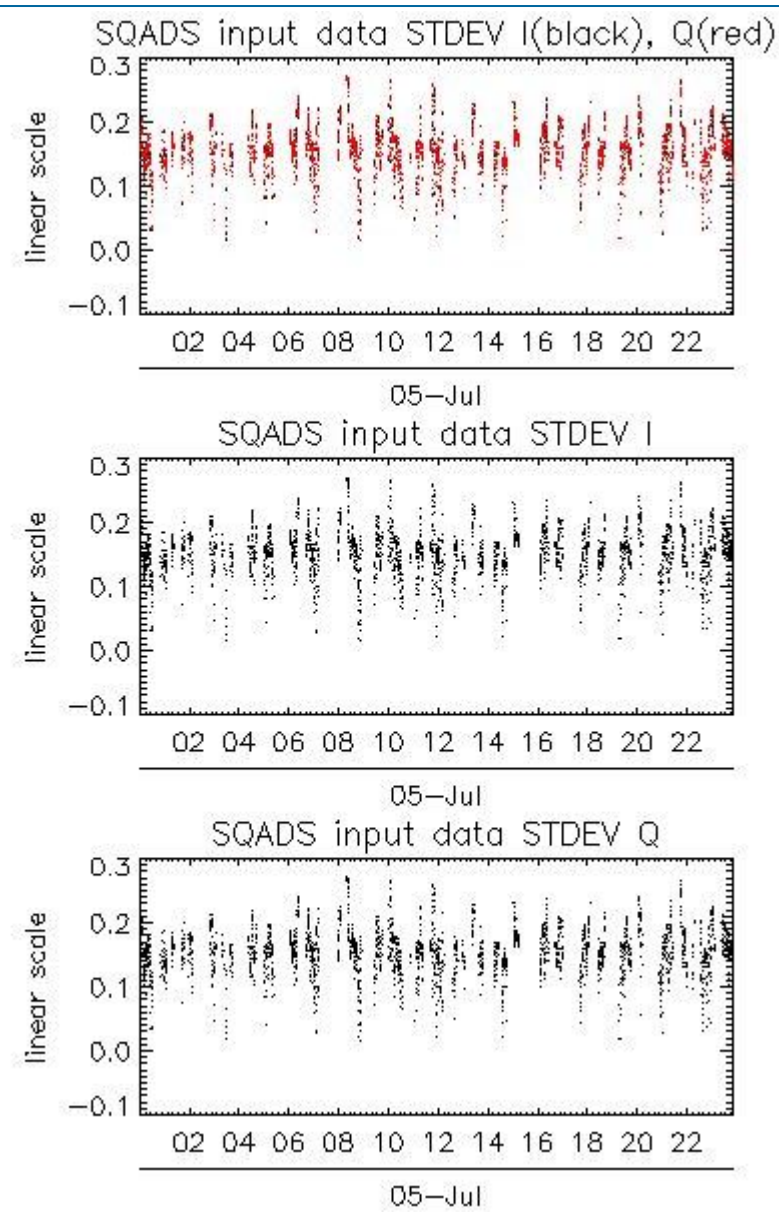
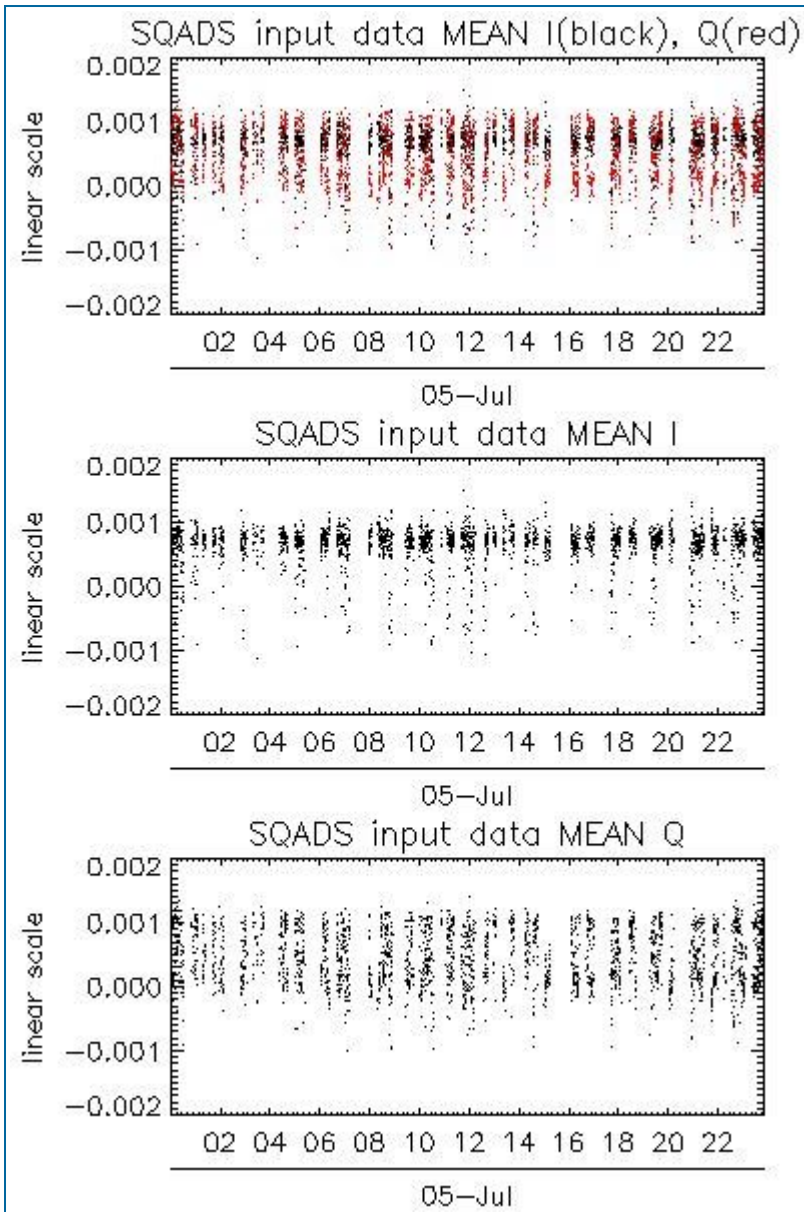
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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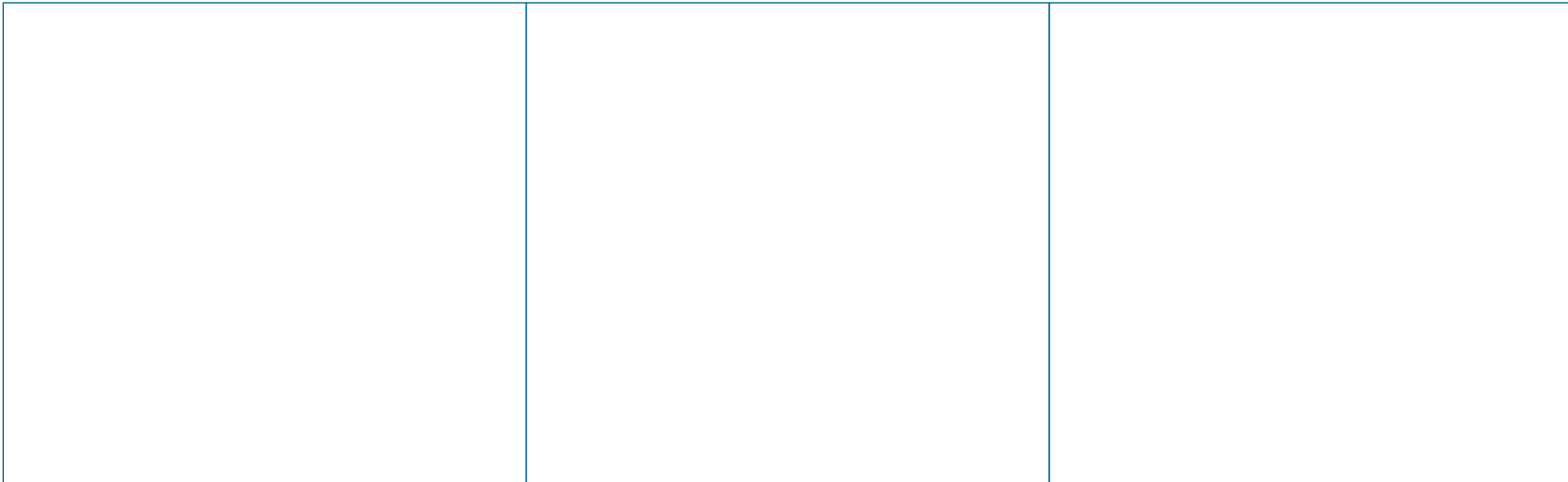


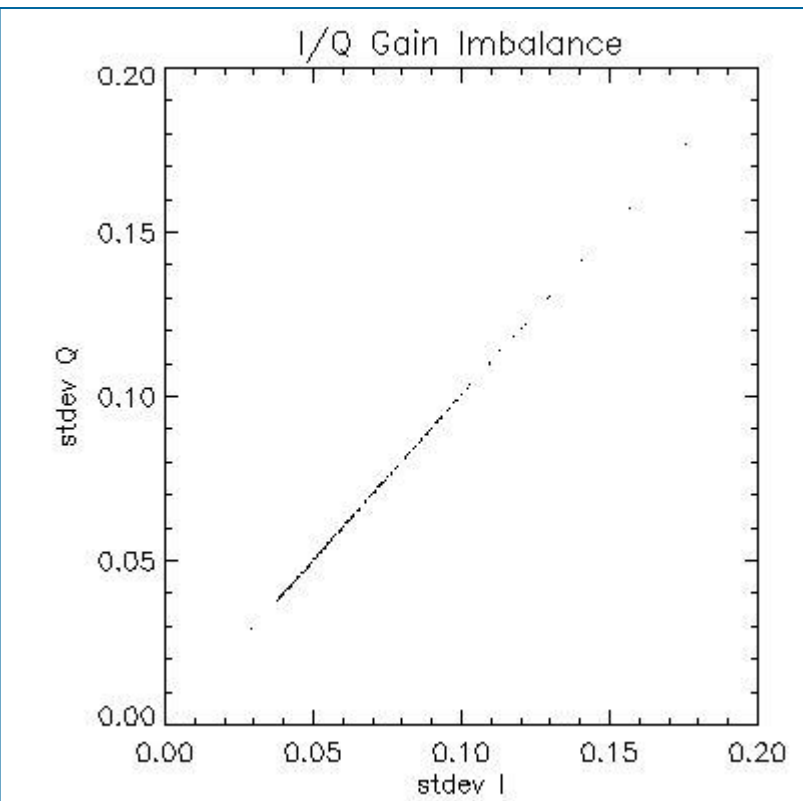
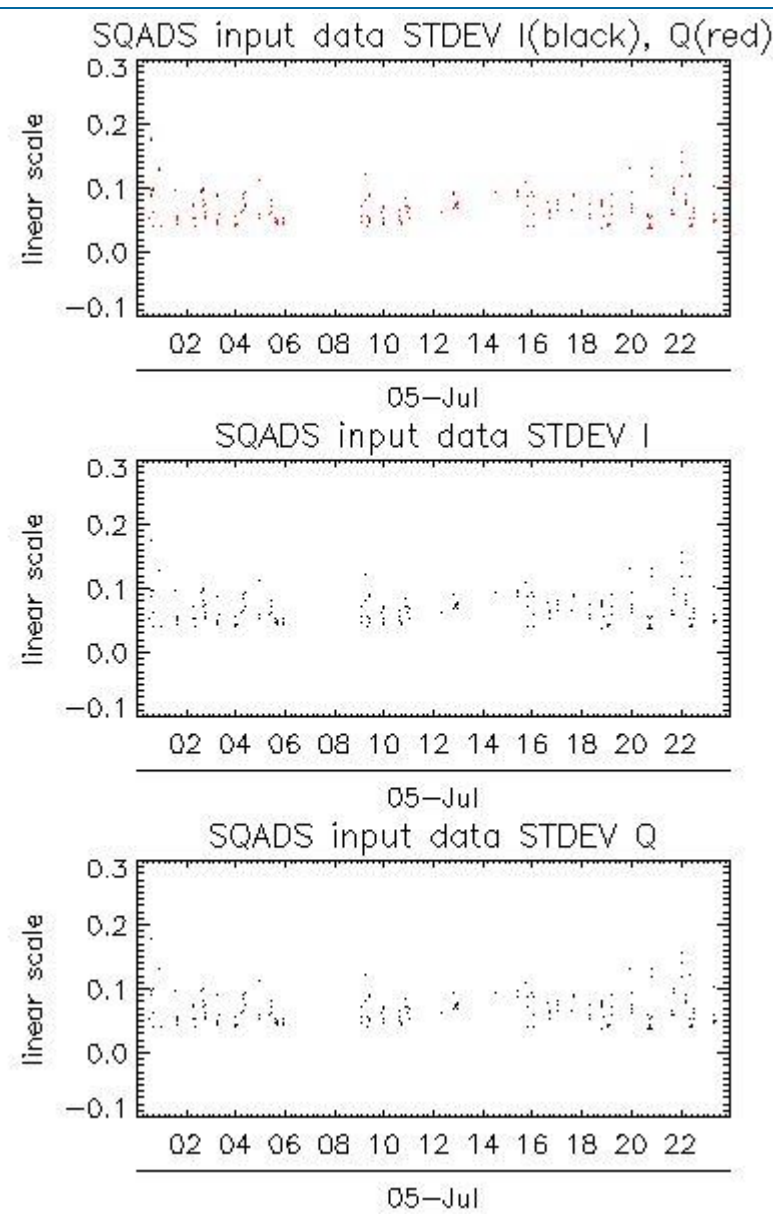
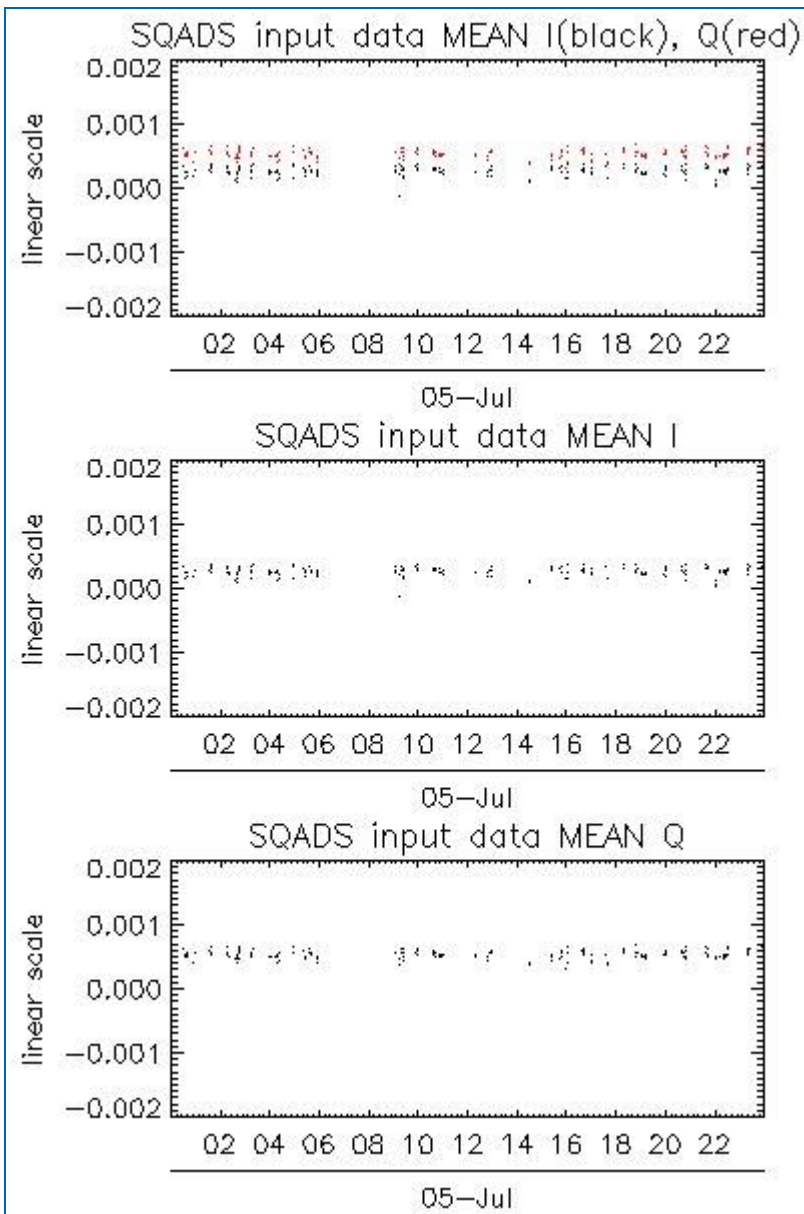


Channel	Statistics	DSS-B
MEAN I	mean	0.000639000
	stdev	1.09183e-07
MEAN Q	mean	0.000461459
	stdev	1.93862e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.153570
	stdev	0.00133868
STDEV Q	mean	0.154190
	stdev	0.00136765

## 7.2 - Analysis for IMM

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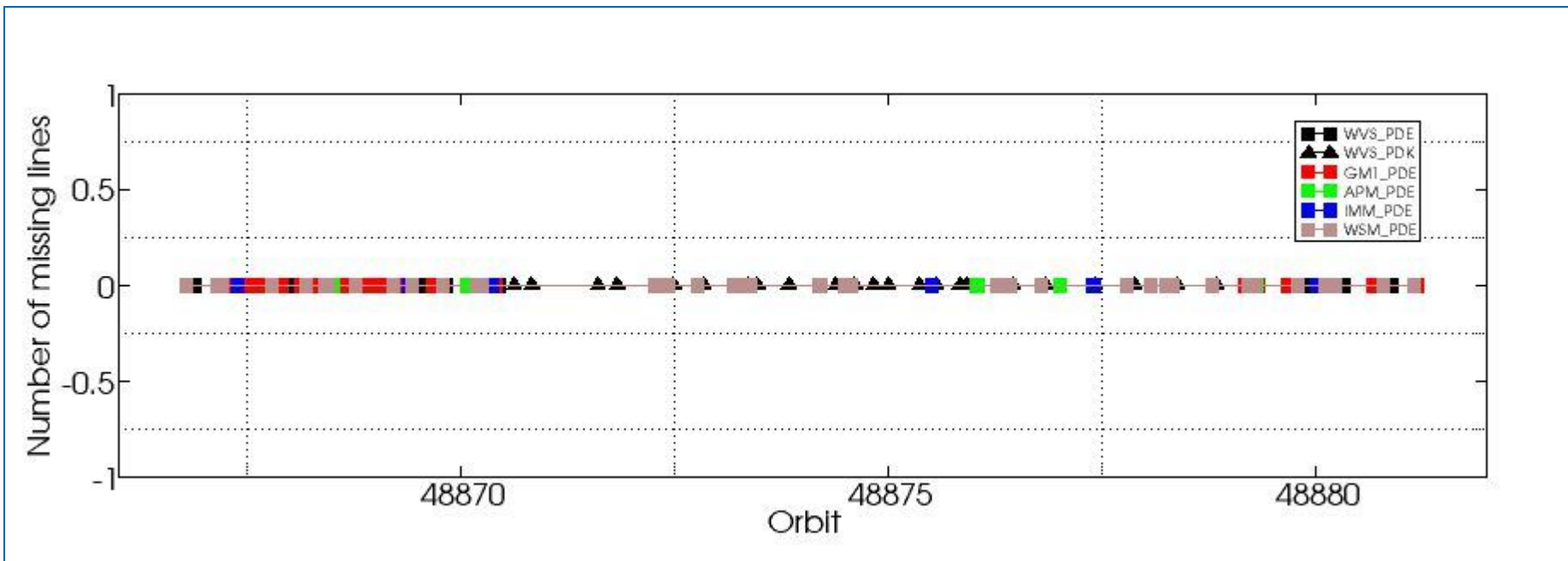
Channel	Statistics	DSS-B
MEAN I	mean	0.000265990
	stdev	5.23643e-09
MEAN Q	mean	0.000536397
	stdev	4.56193e-09
Channel	Statistics	DSS-B
STDEV I	mean	0.0682900
	stdev	0.000581473
STDEV Q	mean	0.0685691
	stdev	0.000589426

## 8 - TELEMETRY ANALYSIS

### 8.1 - Number of Missing lines

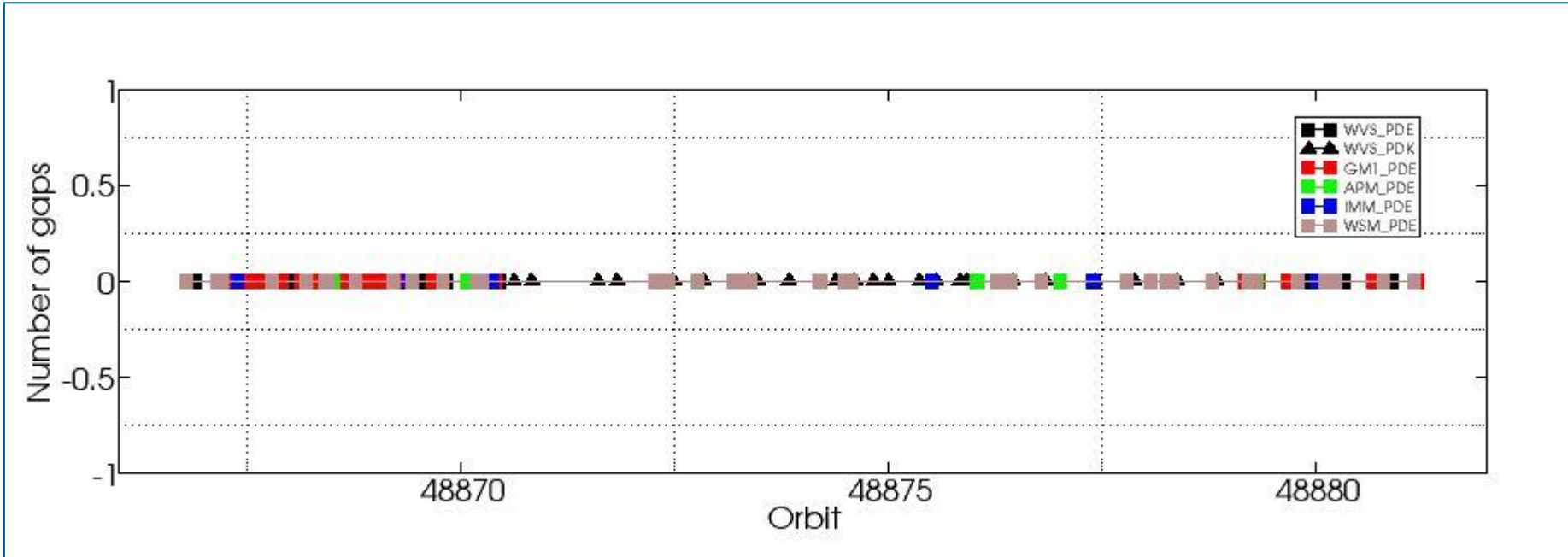
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 110705  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2011-07-05 00:00:00

Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110705/

DATA SUMMARY  
#####  
Summary will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110705/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_110705/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_110705/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_110705/AUXILIARY

Creating directory ./RESULTS/DAILY/\_110705/AUXILIARY...

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



ADF filter 20110705\*current\_3\_IECF\_ADFs.txt  
 Found list 20110705\_030000\_current\_3\_IECF\_ADFs.txt...  
 Extracting ADFs...

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\_AXVIEC20110526\_075734\_20101027\_215740\_20141231\_000000

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
 Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_WVS.xls...  
 Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20110705_000110_000003153104_00145_48866_4720.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_000540_000015293104_00145_48866_4736.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_005027_000000453104_00146_48867_4738.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_005317_000001343104_00146_48867_4739.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_005733_000004923104_00146_48867_4742.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_011630_000003753104_00146_48867_4744.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_014051_000001653104_00146_48867_4746.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_014251_000002853104_00146_48867_4757.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_015821_000005993104_00147_48868_4768.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_024848_000004793104_00147_48868_4769.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_025633_000003903104_00147_48868_4776.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_031942_000001503104_00147_48868_4778.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_032927_000001043104_00147_48868_4780.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_033723_000001043104_00148_48869_4784.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_034109_000001943104_00148_48869_4787.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_042258_000008843104_00148_48869_4789.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_043728_000001353104_00148_48869_4803.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_044127_000001053104_00148_48869_4804.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_045956_0000013643104_00148_48869_4818.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_060148_000010343104_00149_48870_4815.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_205313_000019493104_00158_48879_4936.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_214307_000003003104_00158_48879_4937.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_214722_000007343104_00158_48879_4943.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_221405_000001503104_00159_48880_4945.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_223155_000020393104_00159_48880_4948.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_232342_000002843104_00159_48880_4949.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110705_232742_000013643104_00159_48880_4963.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_061848_000002853104_00149_48870_7660.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_064010_000019493104_00149_48870_7662.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_075722_000003903104_00150_48871_7678.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_082024_000020693104_00150_48871_7681.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_092637_000010493104_00151_48872_7712.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_100103_000019343104_00151_48872_7715.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_105403_000000603104_00152_48873_7737.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_110454_000011543104_00152_48873_7740.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_114101_000019193104_00152_48873_7744.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_123610_000006293104_00153_48874_7764.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_125852_000003303104_00153_48874_7766.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_132106_000003153104_00153_48874_7768.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_133851_000005343104_00154_48875_7775.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_141424_000006143104_00154_48875_7796.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_143326_000006753104_00154_48875_7799.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_150129_000003753104_00154_48875_7800.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_151051_000002693104_00154_48875_7805.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_160439_000012143104_00155_48876_7819.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_164236_000010493104_00155_48876_7820.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_174050_000014693104_00156_48877_7842.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110705_182608_000009743104_00156_48877_7852.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK



ASA\_WVS\_1PNPDK20110705\_191650\_000017093104\_00157\_48878\_7873.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_WVS\_1PNPDK20110705\_200224\_000005403104\_00157\_48878\_7878.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_GM1.xls...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_GM1.txt...

ASA\_GM1\_1PNPDE20110705\_003450\_000001383104\_00146\_48867\_4734.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_004221\_000004833104\_00146\_48867\_4735.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_005157\_000000723104\_00146\_48867\_4740.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_010630\_000001753104\_00146\_48867\_4741.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_011038\_000003503104\_00146\_48867\_4743.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_012334\_000006833104\_00146\_48867\_4745.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_014825\_000005923104\_00146\_48867\_4758.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_020901\_000002053104\_00147\_48868\_4762.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_020901\_000002053104\_00147\_48868\_4763.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_022047\_000010153104\_00147\_48868\_4767.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_030351\_000005923104\_00147\_48868\_4777.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_032255\_000002653104\_00147\_48868\_4779.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_032730\_000001083104\_00147\_48868\_4782.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_033156\_000003263104\_00147\_48868\_4781.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_033946\_000000783104\_00148\_48869\_4783.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_034502\_000001753104\_00148\_48869\_4785.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_040251\_000007433104\_00148\_48869\_4786.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_041750\_000000963104\_00148\_48869\_4790.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_044403\_000007193104\_00148\_48869\_4807.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_052617\_000004343104\_00149\_48870\_4806.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_053916\_000001443104\_00149\_48870\_4805.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_054339\_000005733104\_00149\_48870\_4817.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_055813\_000002113104\_00149\_48870\_4816.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_203548\_000002413104\_00158\_48879\_4925.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_204530\_000001693104\_00158\_48879\_4924.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_205148\_000000783104\_00158\_48879\_4926.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_212622\_000007313104\_00158\_48879\_4935.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_220245\_000003563104\_00159\_48880\_4944.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_221722\_000000663104\_00159\_48880\_4947.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_230636\_000006953104\_00159\_48880\_4950.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_GM1\_1PNPDE20110705\_235905\_000001383104\_00160\_48881\_4961.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_APM.txt...

ASA\_APM\_1PNPDE20110705\_024716\_000000873104\_00147\_48868\_4756.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_052340\_000001373104\_00149\_48870\_4799.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_152144\_000000433104\_00155\_48876\_4908.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_152250\_000000423104\_00155\_48876\_4909.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_170047\_000000873104\_00156\_48877\_4914.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_205044\_000000423104\_00158\_48879\_4938.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
 ASA\_APM\_1PNPDE20110705\_220139\_000000433104\_00159\_48880\_4941.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing IMM products...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA\_IMM\_1PNPDE20110705\_005615\_000000703104\_00146\_48867\_4733.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

```
ASA_IMM_1PNPDE20110705_041515_000001433104_00148_48869_4774.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_055311_000002913104_00149_48870_4798.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_091503_000000693104_00151_48872_4838.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_142948_000000793104_00154_48875_4907.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_155926_000000973104_00155_48876_4912.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_173716_000001133104_00156_48877_4918.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_173926_000000363104_00156_48877_4917.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110705_220036_000000373104_00159_48880_4939.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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Analysing WSM products...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/\_110705/AUXILIARY/Check\_ADFs\_WSM.txt...

```
ASA_WSM_1PNPDE20110705_003149_000001773104_00146_48867_4731.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_003712_000003003104_00146_48867_4732.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_013457_000003553104_00146_48867_4737.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_021509_000003363104_00147_48868_4759.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_023746_000002453104_00147_48868_4754.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_024207_000003003104_00147_48868_4755.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_031347_000003063104_00147_48868_4772.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_035731_000003123104_00148_48869_4773.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_041933_000001903104_00148_48869_4775.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_045606_000001903104_00148_48869_4800.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_053615_000001773104_00149_48870_4801.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_054143_000001103104_00149_48870_4802.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_090407_000001473104_00151_48872_4837.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_092011_000003553104_00151_48872_4839.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_095447_000003733104_00151_48872_4859.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_103636_000002693104_00152_48873_4860.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_105031_000000923104_00152_48873_4850.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_105702_000002143104_00152_48873_4851.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_121813_000001283104_00153_48874_4884.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_124716_000001353104_00153_48874_4891.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_125424_000002693104_00153_48874_4892.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_154517_000002143104_00155_48876_4911.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_160221_000001043104_00155_48876_4913.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_163804_000002753104_00155_48876_4910.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_181754_000001903104_00156_48877_4915.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_184559_000003303104_00157_48878_4919.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_190325_000001843104_00157_48878_4920.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_191215_000001593104_00157_48878_4922.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_195752_000002753104_00157_48878_4921.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_203955_000003303104_00158_48879_4927.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_204825_000000923104_00158_48879_4928.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_213835_000002753104_00158_48879_4923.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_221115_000001713104_00159_48880_4942.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_222136_000000573104_00159_48880_4957.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_231815_000003123104_00159_48880_4946.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110705_235532_000002143104_00160_48881_4959.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/\_110705/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_110705/MODULE\_STEPPING...

Creating directory ./RESULTS/DAILY/\_110705/MODULE\_STEPPING/FIRST\_REFERENCE...



Creating directory ./RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE...  
 Creating directory ./RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...  
 Deleting old files...

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Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
 Reference product: ASA\_MS\_\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1  
 Test product: ASA\_MS\_\_0PNPDK20110705\_162539\_000000163104\_00155\_48876\_0656.N1

H  
 H  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20110705\_162539-20010209\_135042.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20110705\_162539-20010209\_135042.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20110705\_162539-20010209\_135042.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20110705\_162539-20010209\_135042.png

Polarization: V  
 Reference product: ASA\_MS\_\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1  
 Test product: ASA\_MS\_\_0PNPDK20110705\_180553\_000000163104\_00156\_48877\_0657.N1

V  
 V  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20110705\_180553-20010209\_140823.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20110705\_180553-20010209\_140823.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20110705\_180553-20010209\_140823.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20110705\_180553-20010209\_140823.png

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

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
 Reference product: ASA\_MS\_\_0PNPDK20110704\_170223\_000000163104\_00141\_48862\_0654.N1  
 Test product: ASA\_MS\_\_0PNPDK20110705\_162539\_000000163104\_00155\_48876\_0656.N1

H  
 H  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20110705\_162539-20110704\_170223.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20110705\_162539-20110704\_170223.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20110705\_162539-20110704\_170223.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20110705\_162539-20110704\_170223.png

Polarization: V  
 Reference product: ASA\_MS\_\_0PNPDK20110704\_184237\_000000163104\_00142\_48863\_0655.N1  
 Test product: ASA\_MS\_\_0PNPDK20110705\_180553\_000000163104\_00156\_48877\_0657.N1

V  
 V  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20110705\_180553-20110704\_184237.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20110705\_180553-20110704\_184237.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20110705\_180553-20110704\_184237.png  
 ../../RESULTS/DAILY/\_110705/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20110705\_180553-20110704\_184237.png

MODULE\_STEPPING ANALYSIS completed  
 #####

CALIBRATION PULSES ANALYSIS  
 #####  
 Creating directory ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES...

\*\*\*\*\*



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ALL ROWS Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-05\_1.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-05\_2.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-05\_3.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-07-05\_4.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...

Writing ../../RESULTS/DAILY/\_110705//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 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-05\_1.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-05\_2.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-05\_3.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-07-05 00:00:00 to 2011-07-05 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/\_110705/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-07-05\_4.dat...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...

Writing ../../RESULTS/DAILY/\_110705//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed

#####

DOPPLER ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_110705/DOPPLER...

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

DOPPLER ANX Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Analysing products WVS IS2 V/V

Getting doppler data for WVS IS2 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2011-07-05.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110705/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H

Getting doppler data for GM1 SS1 H/H from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2011-07-05.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110705/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
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DOPPLER JUMPS Analysis will be performed on WSM products from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/DOPPLER/Doppler\_Jumps\_data\_WSM\_2011-07-05.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_110705/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...

Writing file ../../RESULTS/DAILY/\_110705/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

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

DOPPLER MAP Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 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 = -72.865355 Hz

Writing file ../../RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -70.644847 Hz

Writing file ../../RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../../RESULTS/DAILY/\_110705//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 = -51.453060 Hz

Writing file ../../RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...

Writing file ../.././RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -58.945058 Hz

Writing file ../.././RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...

Writing file ../.././RESULTS/DAILY/\_110705//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed

#####

CHIRP ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_110705/CHIRP...

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

CHIRP Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Analysing products WSM SS1 H/H

\*\*\*\*\*

Getting ScaleFactor data for WSM SS1 H/H from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_data\_WSM\_SS1\_HH\_2011-07-05.dat...

Running IDL program...

Writing file ../.././RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_HH.png...

Writing file ../.././RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_HH.png...

Analysing products WSM SS1 V/V

\*\*\*\*\*

Getting ScaleFactor data for WSM SS1 V/V from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_data\_WSM\_SS1\_VV\_2011-07-05.dat...

Running IDL program...

Writing file ../.././RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_ANX\_WSM\_SS1\_VV.png...

Writing file ../.././RESULTS/DAILY/\_110705/CHIRP/ScaleFactor\_DATE\_WSM\_SS1\_VV.png...

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

#####

Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/\_110705/RAW\_DATA

Creating directory ./RESULTS/DAILY/\_110705/RAW\_DATA...

\*\*\*\*\*

Getting raw data for WVS from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...

Writing file ./RESULTS/DAILY/\_110705/RAW\_DATA/Raw\_data\_WVS\_2011-07-05.dat...

Running IDL program to create graphs...

Creating image ../.././RESULTS/DAILY/\_110705/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...

Creating image ../.././RESULTS/DAILY/\_110705/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...

Creating image ../.././RESULTS/DAILY/\_110705/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

```
*****
Getting raw data for IMM from 2011-07-05 00:00:00 to 2011-07-05 23:59:59...
Writing file ./RESULTS/DAILY/_110705/RAW_DATA/Raw_data_IMM_2011-07-05.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_110705/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_110705/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110705/RAW_DATA/Raw_data_IMM_gain_imbalance.png...
```

```
RAW DATA ANALYSIS completed
#####
```

```
TELEMETRY ANALYSIS
#####
Analysis will be performed from 2011-07-05 00:00:00 to 2011-07-05 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110705/TELEMETRY
```

```
Creating directory ./RESULTS/DAILY/_110705/TELEMETRY...
```

```
Looking for gaps and missing lines in WVS products...
*****
Checking 27 products from PDE...
Checking 23 products from PDK...
```

```
Looking for gaps and missing lines in GM1 products...
*****
Checking 31 products from PDE...
No products from PDK...
```

```
Looking for gaps and missing lines in APM products...
*****
Checking 7 products from PDE...
No products from PDK...
```

```
Looking for gaps and missing lines in IMM products...
*****
Checking 9 products from PDE...
No products from PDK...
```

```
Looking for gaps and missing lines in WSM products...
*****
Checking 37 products from PDE...
No products from PDK...
```

```
Creating graph of missing lines and gaps...
*****
Creating image: ./RESULTS/DAILY/_110705/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_110705/TELEMETRY/TELEMETRY_Gaps.png...
```

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

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

```
Building file ./RESULTS/DAILY/_110705/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_1PNPDE20110705_024716_000000873104_00147_48868_4756.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_052340_000001373104_00149_48870_4799.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_152144_000000433104_00155_48876_4908.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_152250_000000423104_00155_48876_4909.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_170047_000000873104_00156_48877_4914.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_205044_000000423104_00158_48879_4938.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110705_220139_000000433104_00159_48880_4941.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_1PNPDE20110705_003450_000001383104_00146_48867_4734.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_004221_000004833104_00146_48867_4735.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_005157_000000723104_00146_48867_4740.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_010630_000001753104_00146_48867_4741.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_011038_000003503104_00146_48867_4743.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_012334_000006833104_00146_48867_4745.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_014825_000005923104_00146_48867_4758.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_020901_000002053104_00147_48868_4762.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_020901_000002053104_00147_48868_4763.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_022047_000010153104_00147_48868_4767.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_030351_000005923104_00147_48868_4777.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_032255_000002653104_00147_48868_4779.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_032730_000001083104_00147_48868_4782.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_033156_000003263104_00147_48868_4781.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_033946_000000783104_00148_48869_4783.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_034502_000001753104_00148_48869_4785.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_040251_000007433104_00148_48869_4786.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_041750_000000963104_00148_48869_4790.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_044403_000007193104_00148_48869_4807.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_052617_000004343104_00149_48870_4806.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_053916_000001443104_00149_48870_4805.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_054339_000005733104_00149_48870_4817.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_055813_000002113104_00149_48870_4816.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_203548_000002413104_00158_48879_4925.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_204530_000001693104_00158_48879_4924.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_205148_000000783104_00158_48879_4926.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_212622_000007313104_00158_48879_4935.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_220245_000003563104_00159_48880_4944.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_221722_000000663104_00159_48880_4947.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_230636_000006953104_00159_48880_4950.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110705_235905_000001383104_00160_48881_4961.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_1PNPDE20110705_005615_000000703104_00146_48867_4733.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_041515_000001433104_00148_48869_4774.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_055311_000002913104_00149_48870_4798.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_091503_000000693104_00151_48872_4838.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_142948_000000793104_00154_48875_4907.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_155926_000000973104_00155_48876_4912.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_173716_000001133104_00156_48877_4918.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_173926_000000363104_00156_48877_4917.N1					OK	OK	OK	OK
ASA_IMM_1PNPDE20110705_220036_000000373104_00159_48880_4939.N1					OK	OK	OK	OK

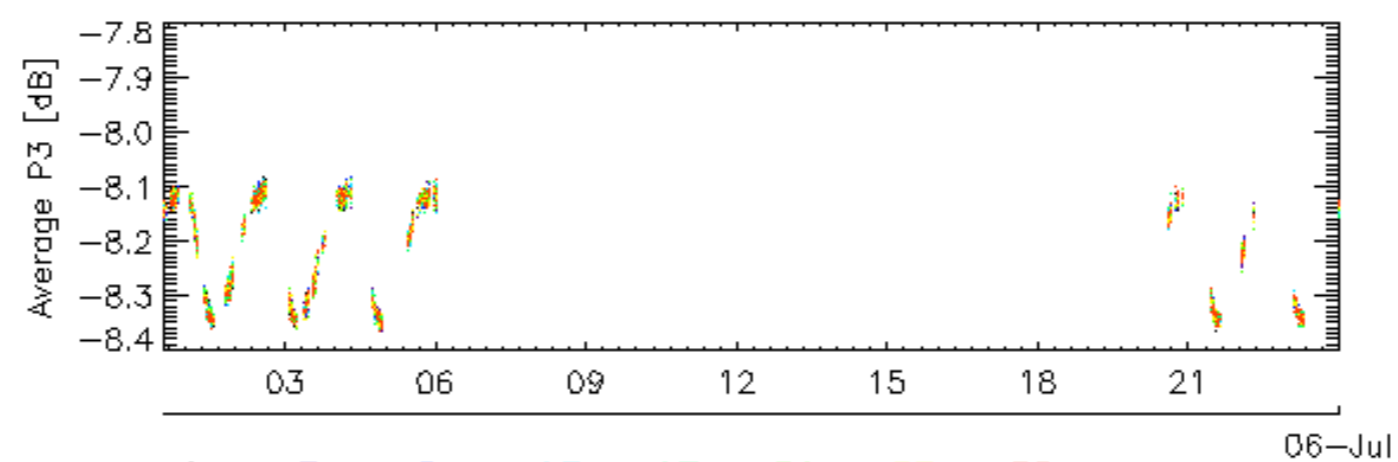
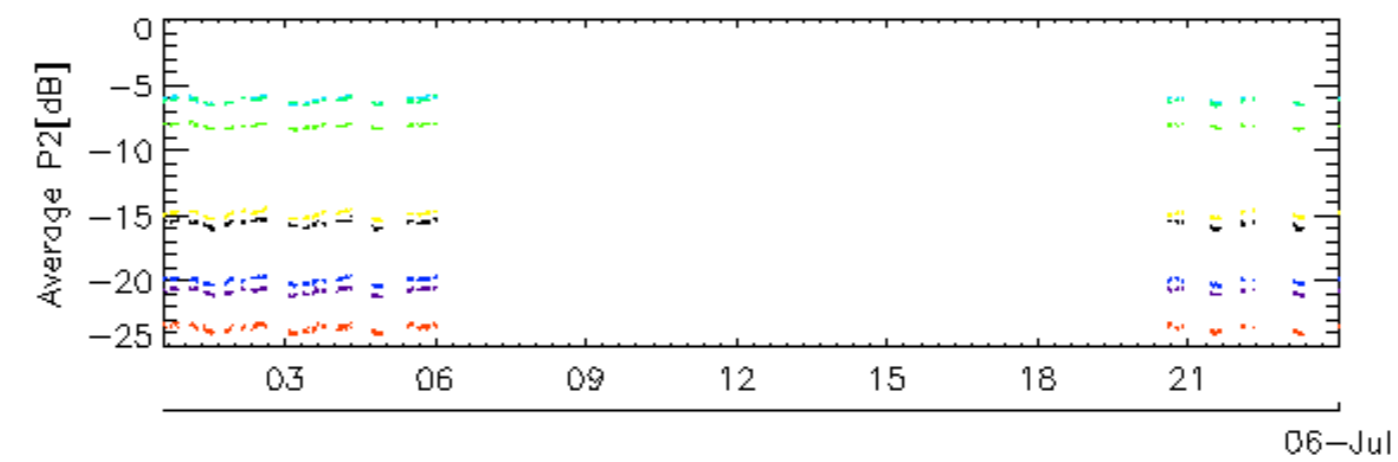
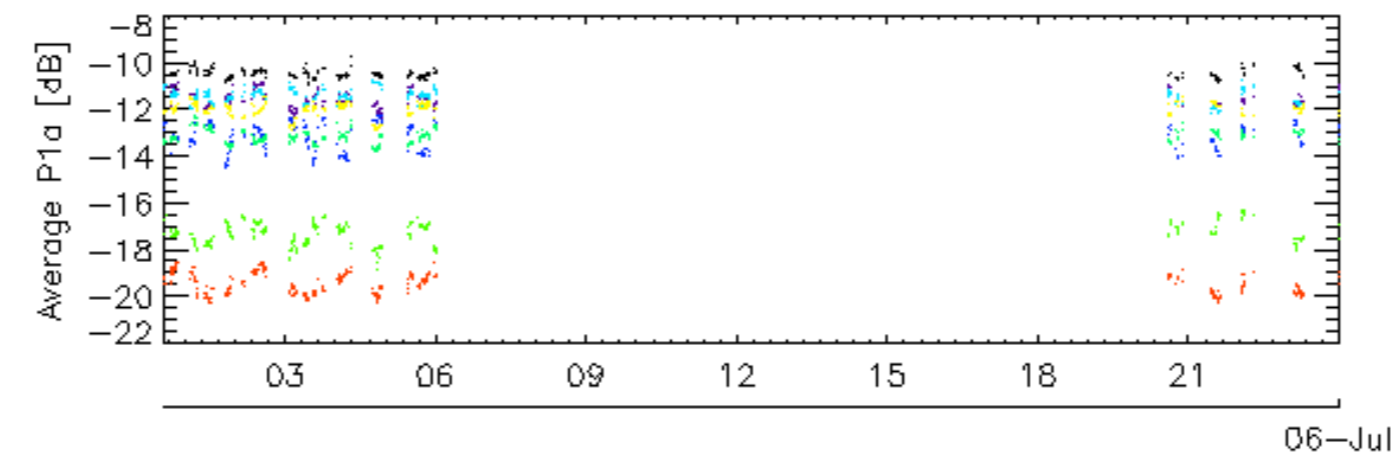
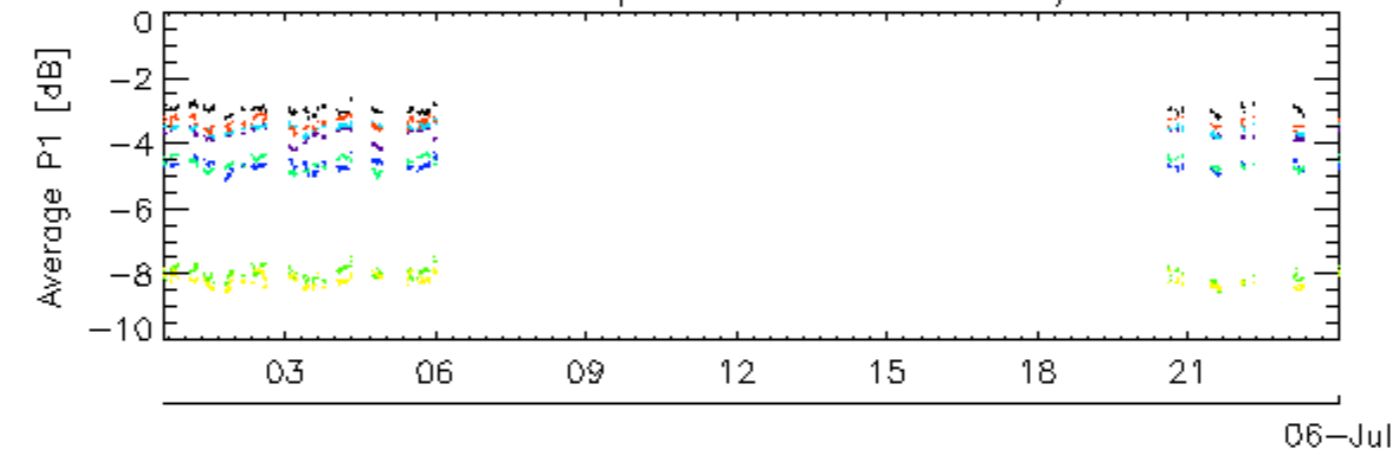
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
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ASA_WSM_1PNPDE20110705_013457_000003553104_00146_48867_4737.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_021509_000003363104_00147_48868_4759.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_023746_000002453104_00147_48868_4754.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_024207_000003003104_00147_48868_4755.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_031347_000003063104_00147_48868_4772.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_035731_000003123104_00148_48869_4773.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_041933_000001903104_00148_48869_4775.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_045606_000001903104_00148_48869_4800.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_053615_000001773104_00149_48870_4801.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_054143_000001103104_00149_48870_4802.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_090407_000001473104_00151_48872_4837.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_092011_000003553104_00151_48872_4839.N1					OK	OK	OK	OK
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ASA_WSM_1PNPDE20110705_160221_000001043104_00155_48876_4913.N1					OK	OK	OK	OK
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ASA_WSM_1PNPDE20110705_195752_000002753104_00157_48878_4921.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_203955_000003303104_00158_48879_4927.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_204825_000000923104_00158_48879_4928.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_213835_000002753104_00158_48879_4923.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_221115_000001713104_00159_48880_4942.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_222136_000005753104_00159_48880_4957.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_231815_000003123104_00159_48880_4946.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110705_235532_000002143104_00160_48881_4959.N1					OK	OK	OK	OK

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

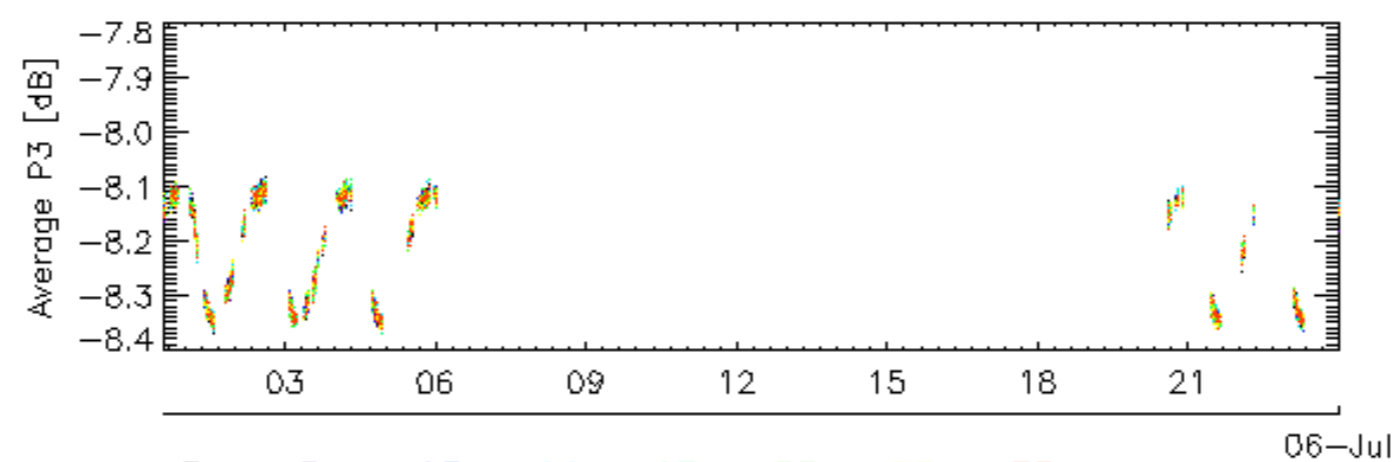
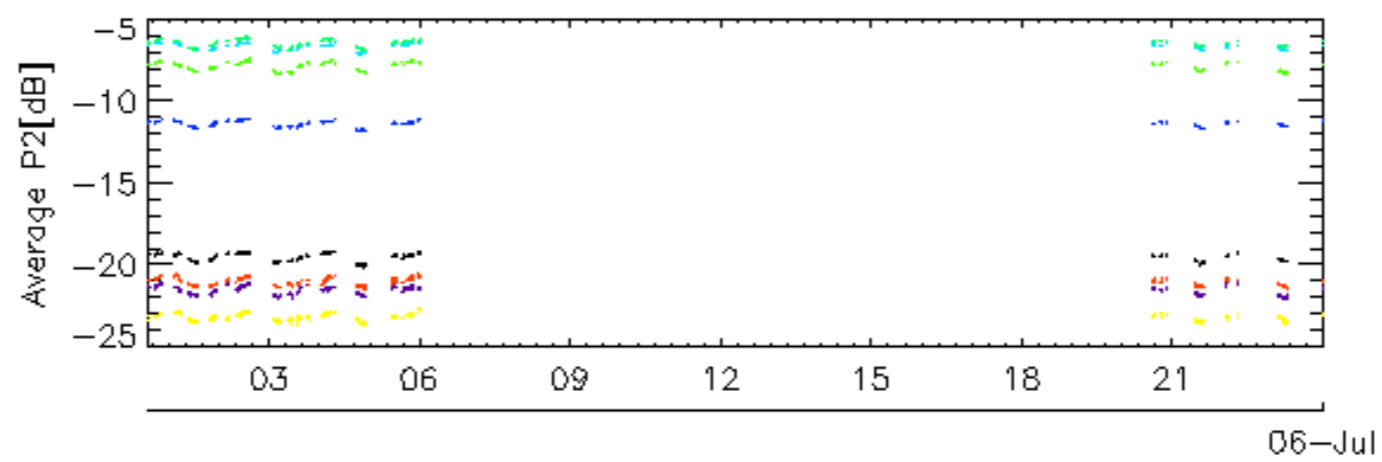
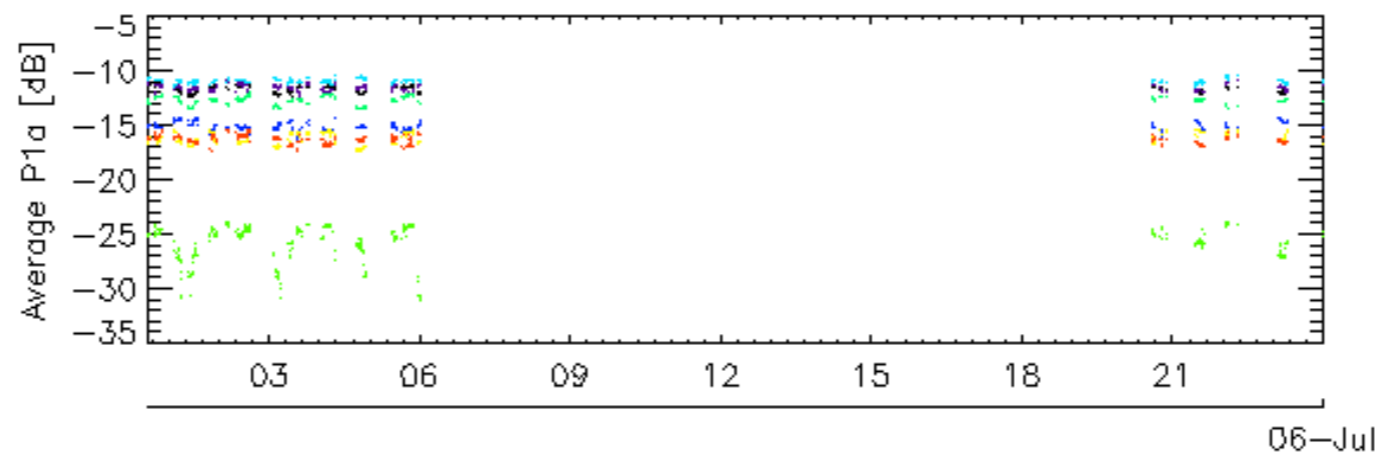
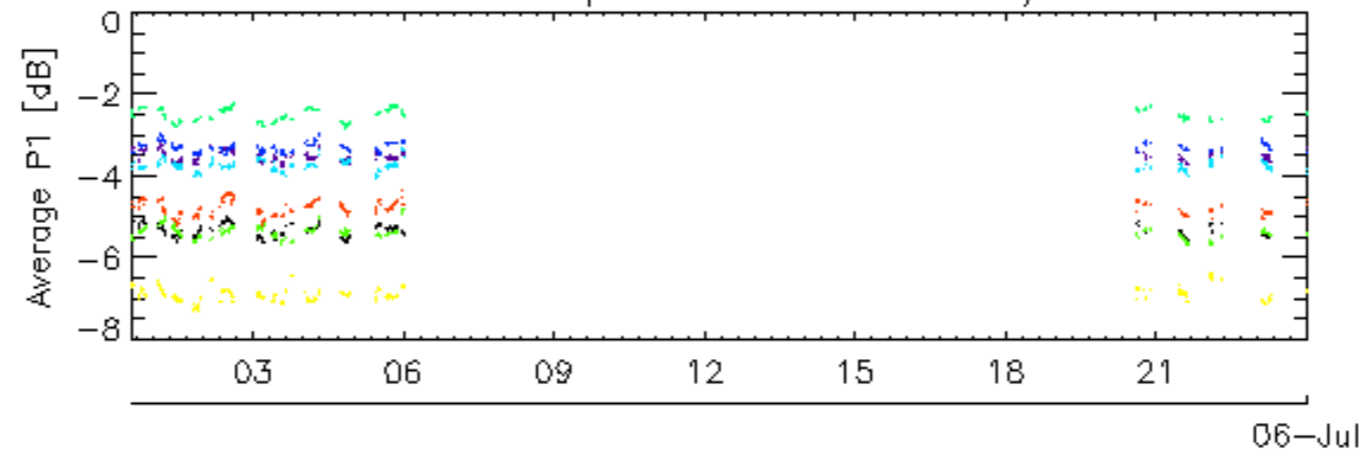
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ASA_WVS_1PNPDE20110705_011630_000003753104_00146_48867_4744.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_014051_000001653104_00146_48867_4746.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_014251_000002853104_00146_48867_4757.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_015821_000005993104_00147_48868_4768.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_024848_000004793104_00147_48868_4769.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_025633_000003903104_00147_48868_4776.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_031942_000001503104_00147_48868_4778.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_032927_000001043104_00147_48868_4780.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_033723_000001043104_00148_48869_4784.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_034109_000001943104_00148_48869_4787.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_042258_000008843104_00148_48869_4789.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_043728_000001353104_00148_48869_4803.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_044127_000001053104_00148_48869_4804.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_045956_000013643104_00148_48869_4818.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_060148_000010343104_00149_48870_4815.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDE20110705_214307_000003003104_00158_48879_4937.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_214722_000007343104_00158_48879_4943.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_221405_000001503104_00159_48880_4945.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_223155_000020393104_00159_48880_4948.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20110705_232342_000002843104_00159_48880_4949.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110705_061848_000002853104_00149_48870_7660.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110705_075722_000003903104_00150_48871_7678.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110705_092637_000010493104_00151_48872_7712.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110705_150129_000003753104_00154_48875_7800.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110705_151051_000002693104_00154_48875_7805.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110705_160439_000012143104_00155_48876_7819.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110705_174050_000014693104_00156_48877_7842.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110705_182608_000009743104_00156_48877_7852.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20110705_191650_000017093104_00157_48878_7873.N1					OK	OK	OK	OK
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Calibration pulses for GM1 SS3 H/H



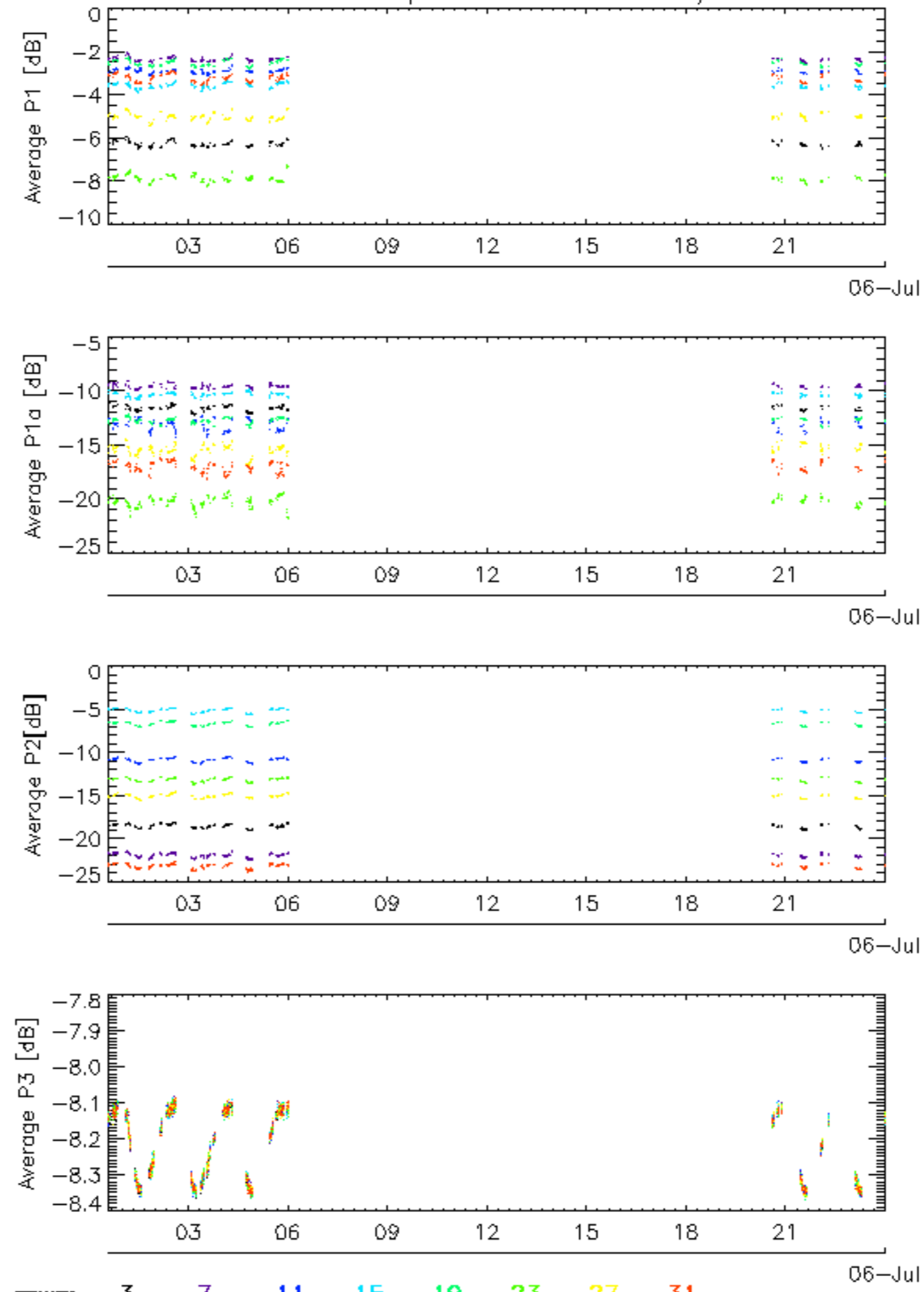
rows: \_ 1 \_ 5 \_ 9 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29

### Calibration pulses for GM1 SS3 H/H



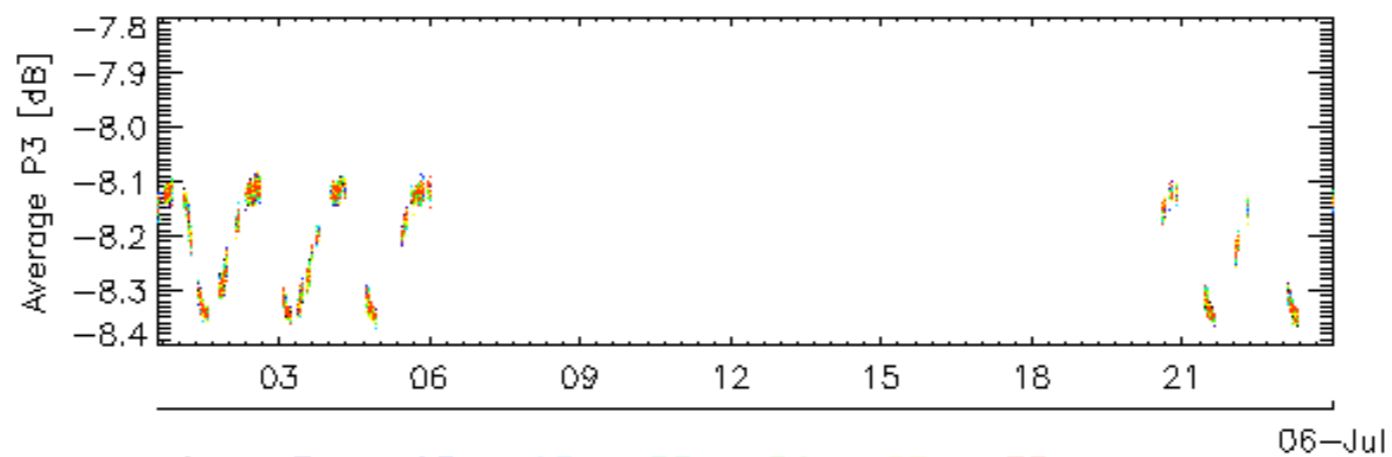
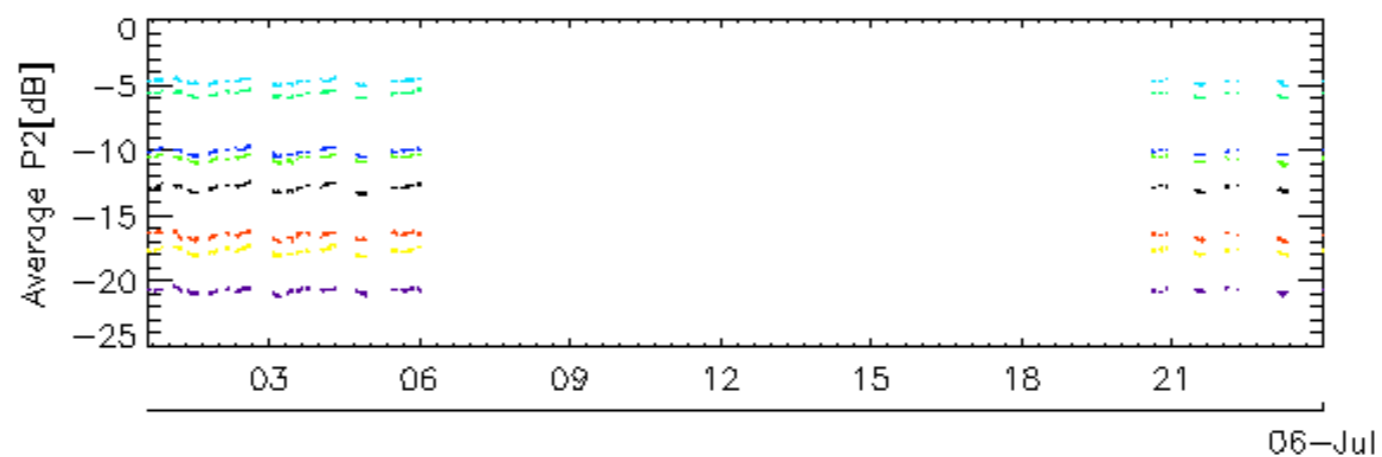
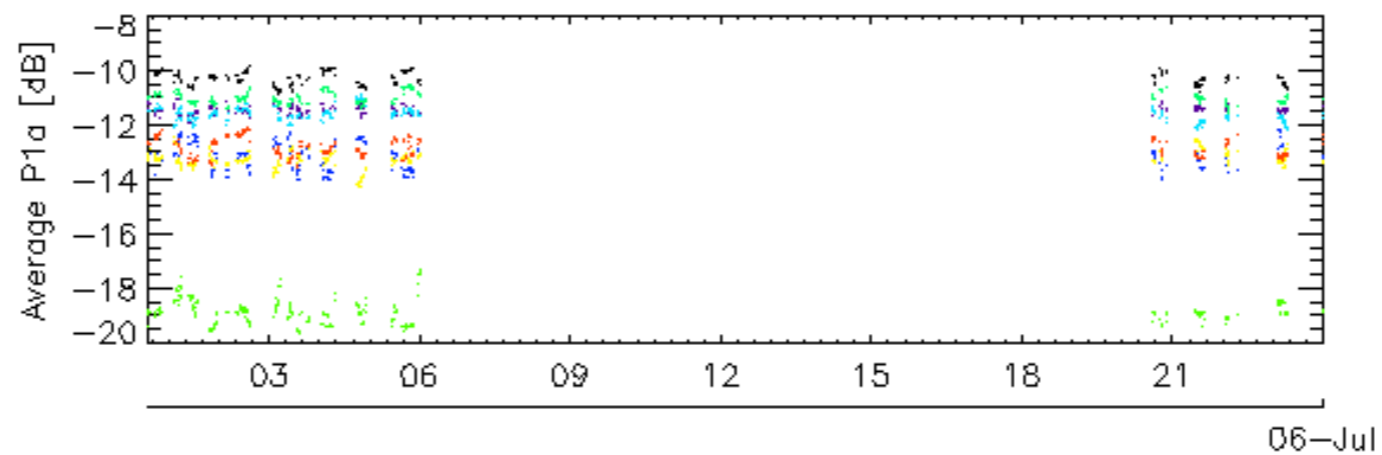
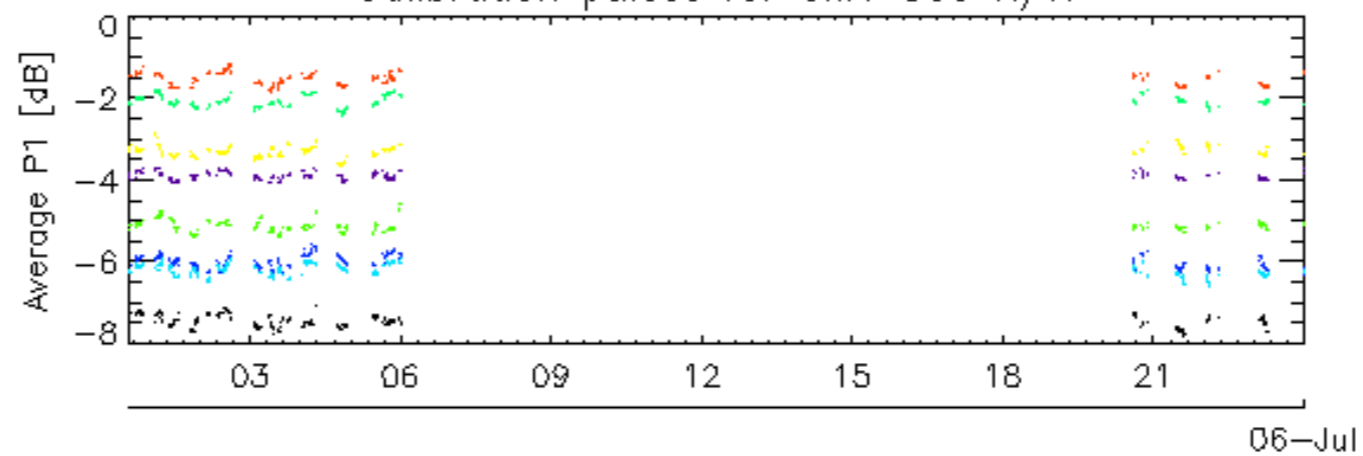
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### Calibration pulses for GM1 SS3 H/H



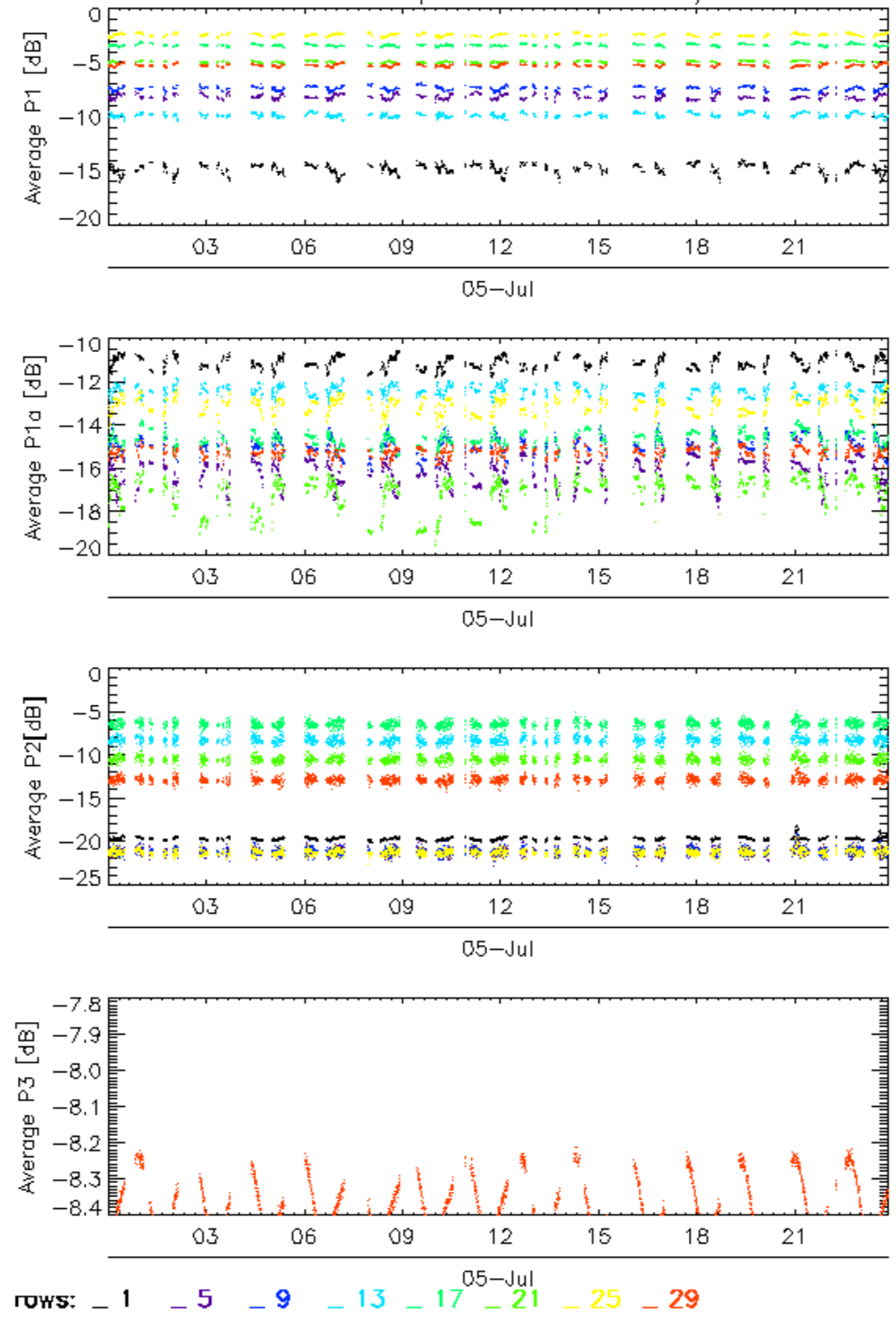
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### Calibration pulses for GM1 SS3 H/H



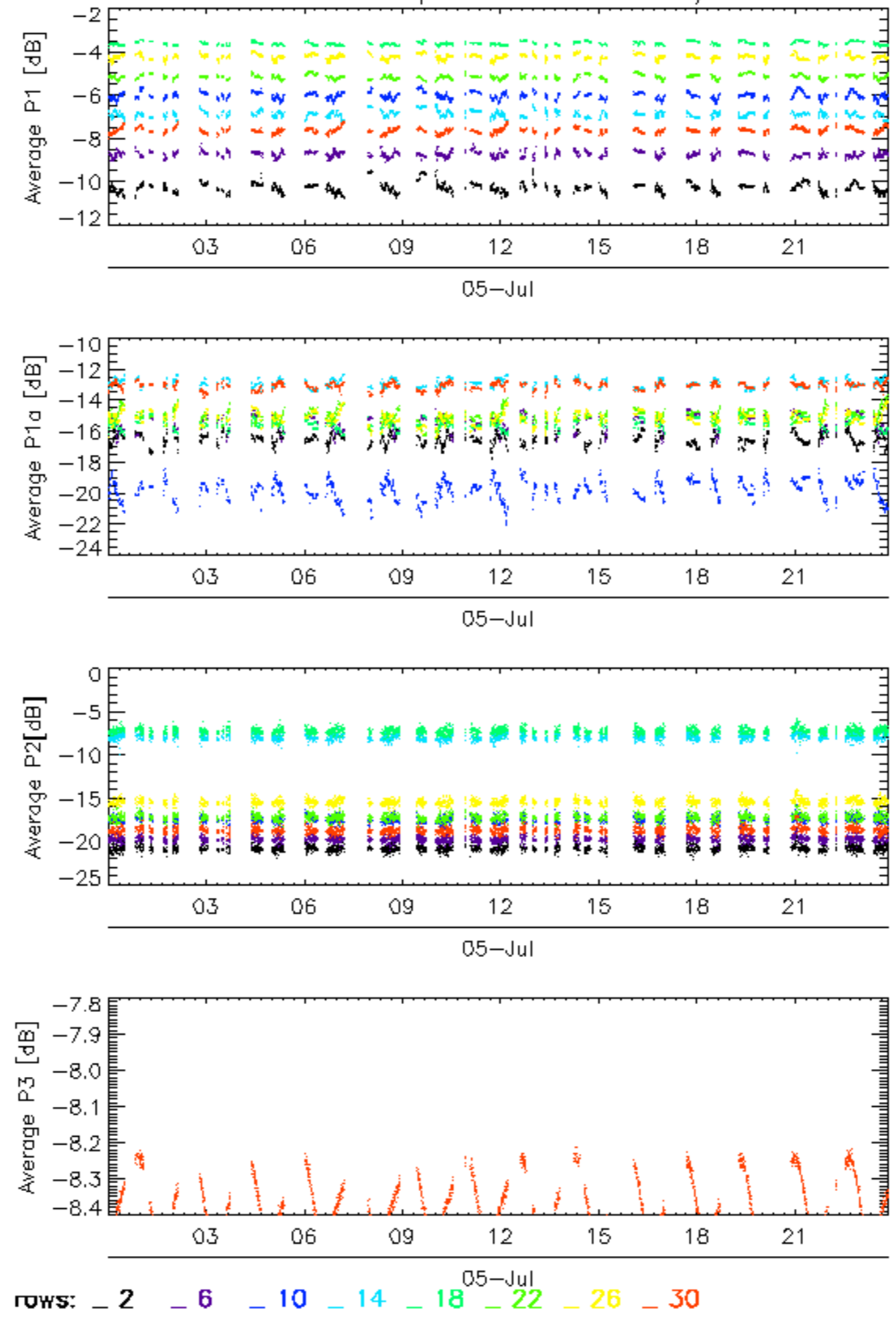
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Calibration pulses for WVS IS2 V/V

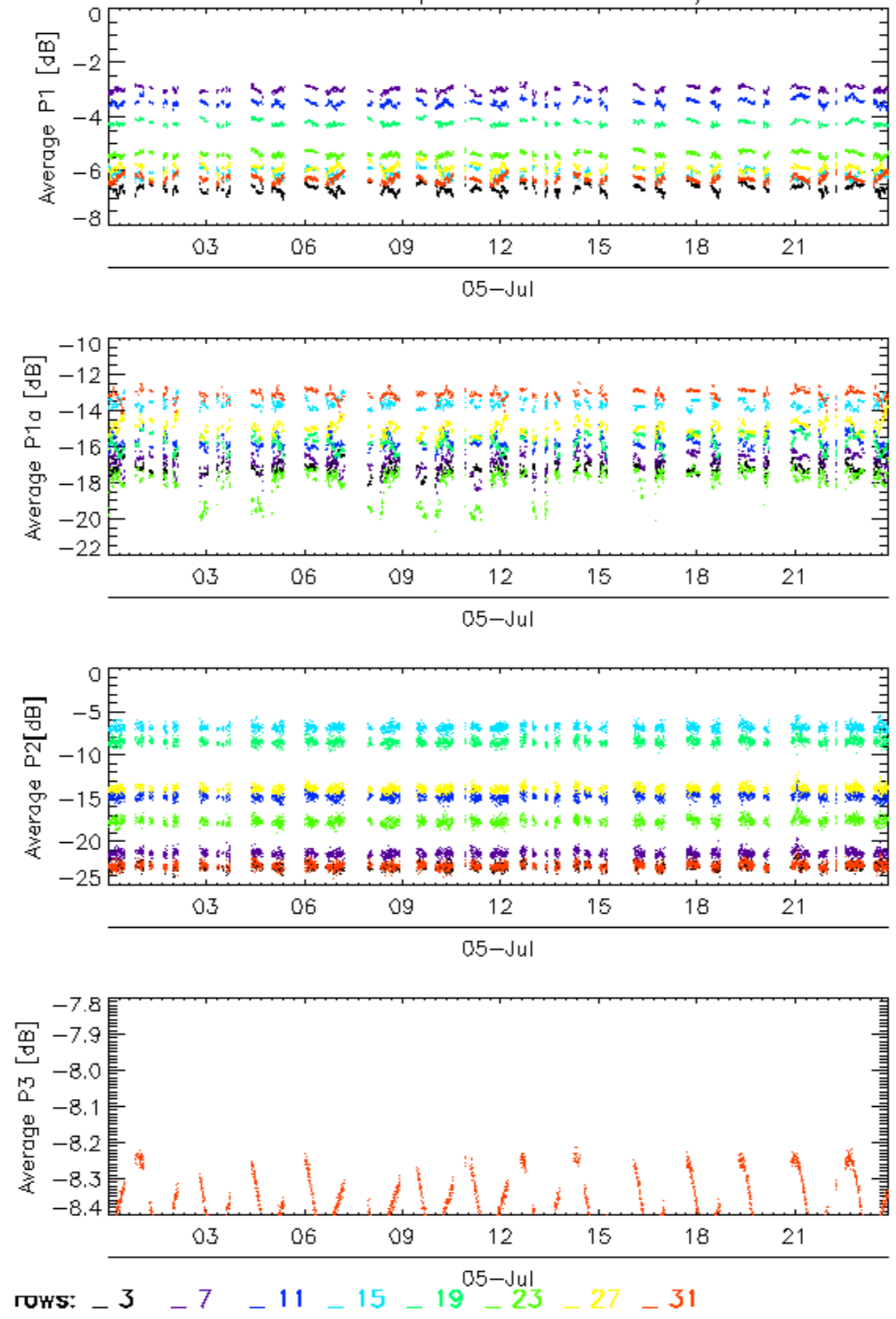




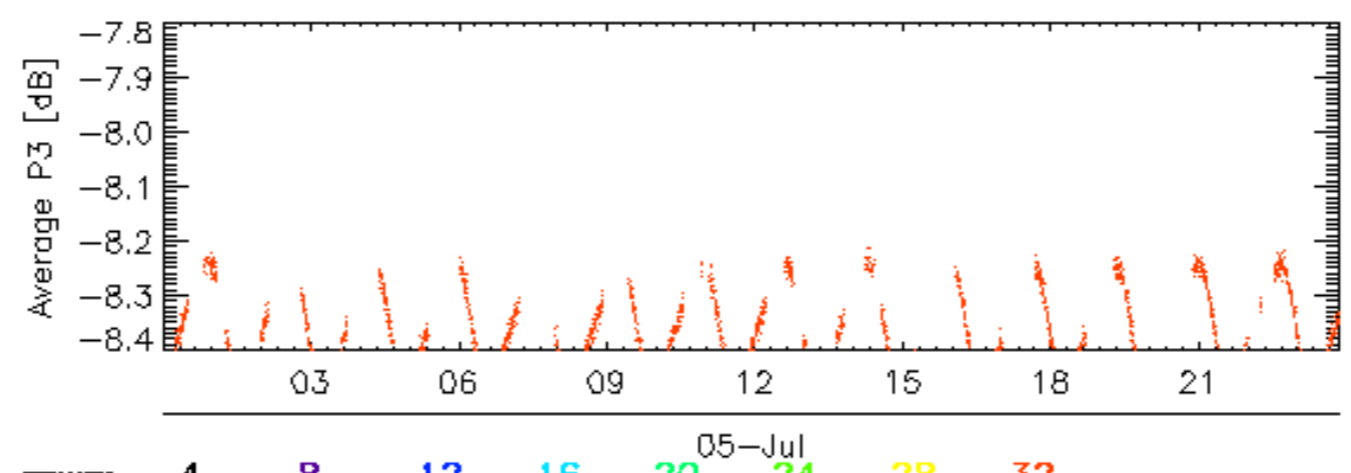
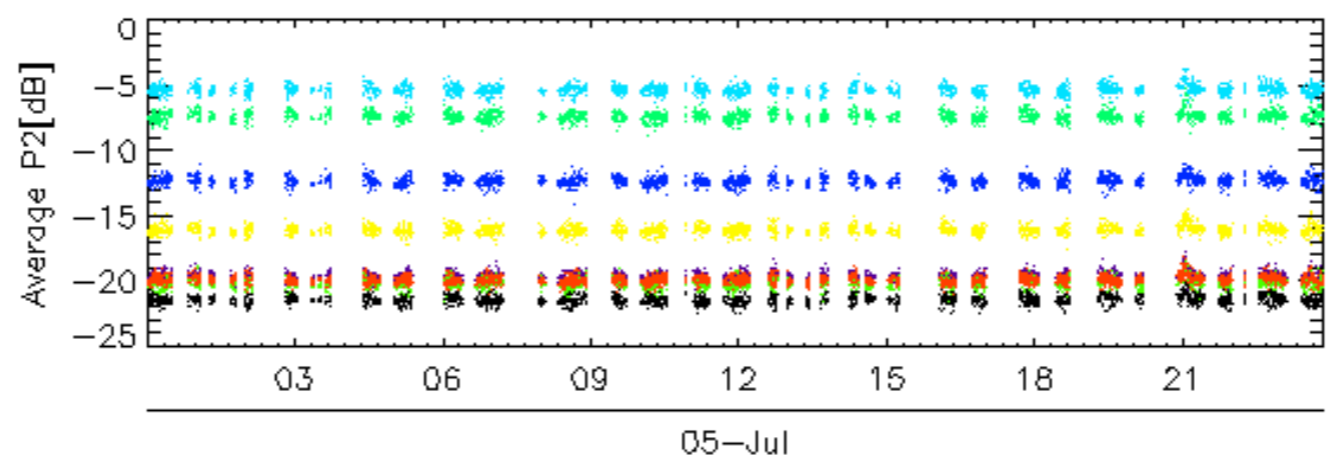
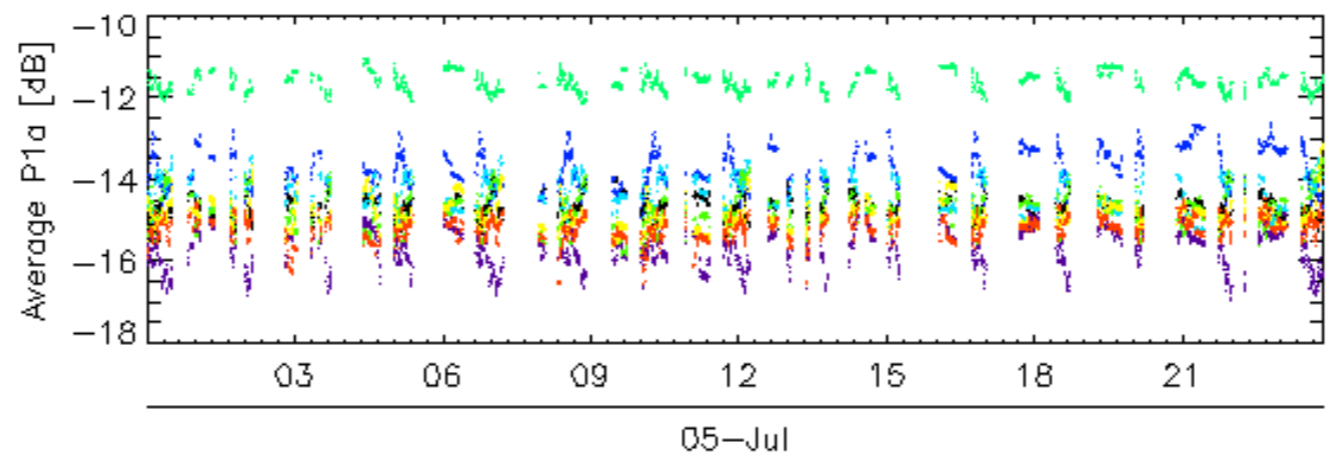
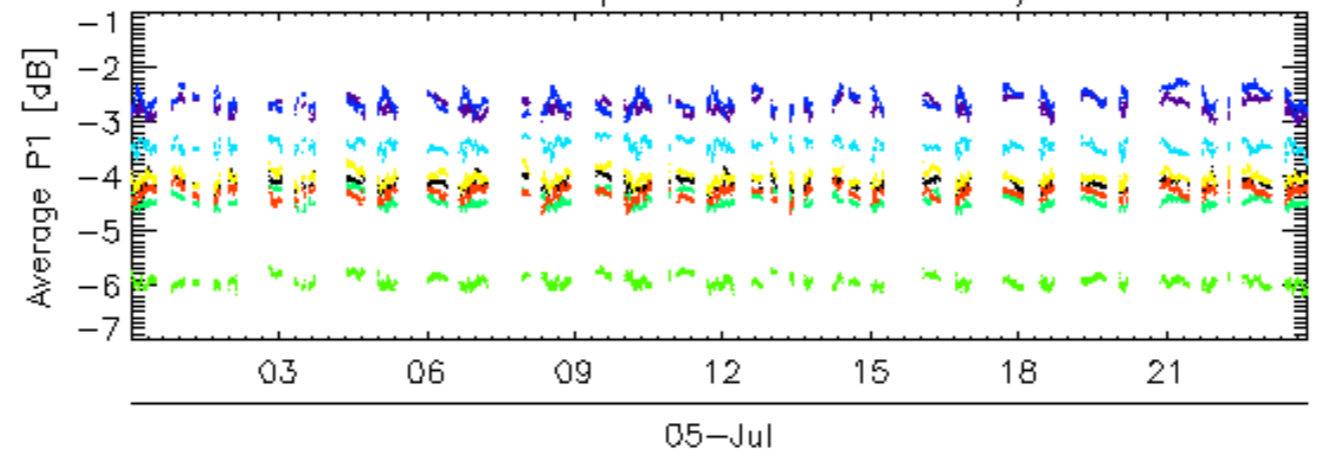
Calibration pulses for WVS IS2 V/V



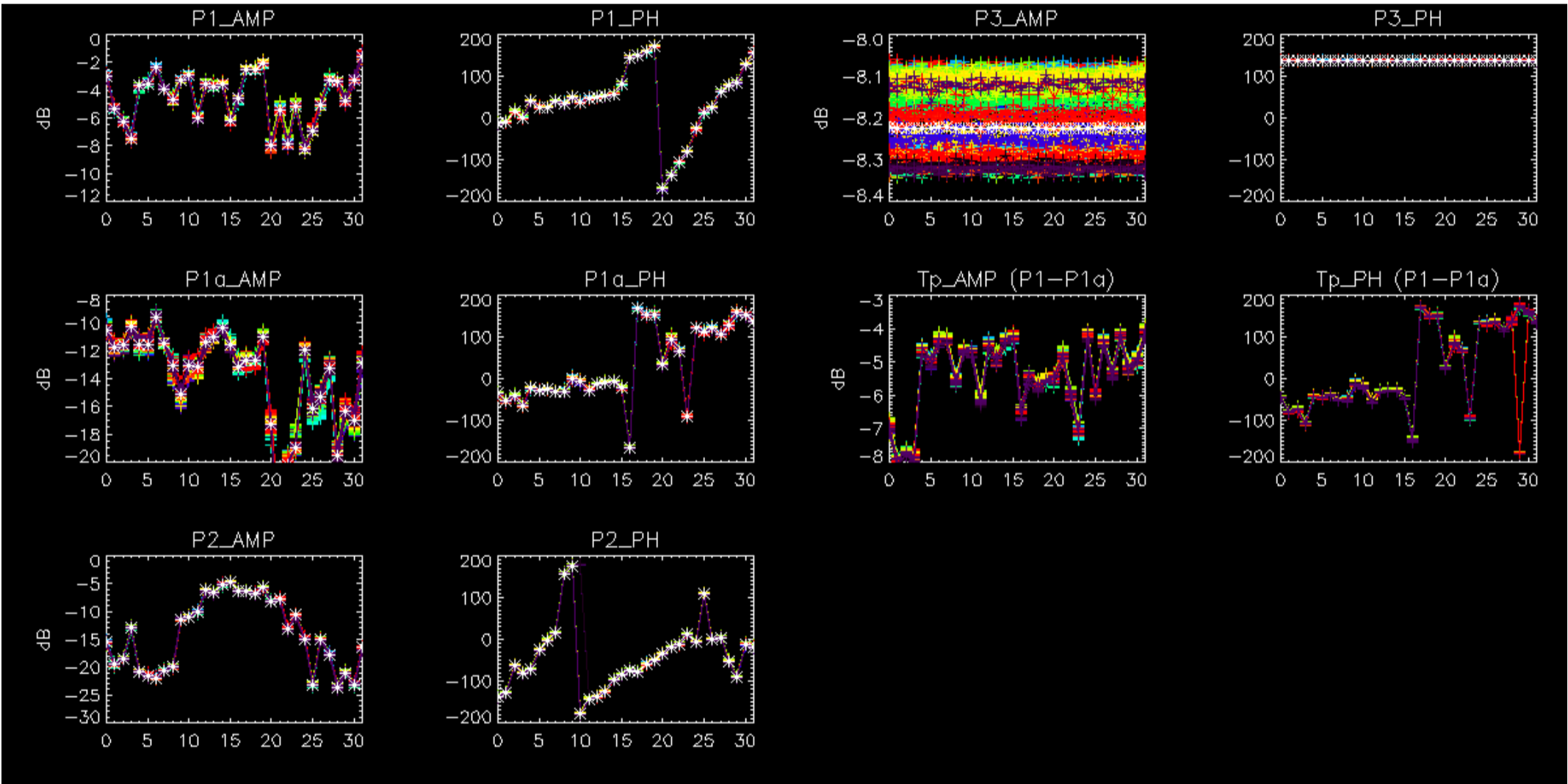
Calibration pulses for WVS IS2 V/V

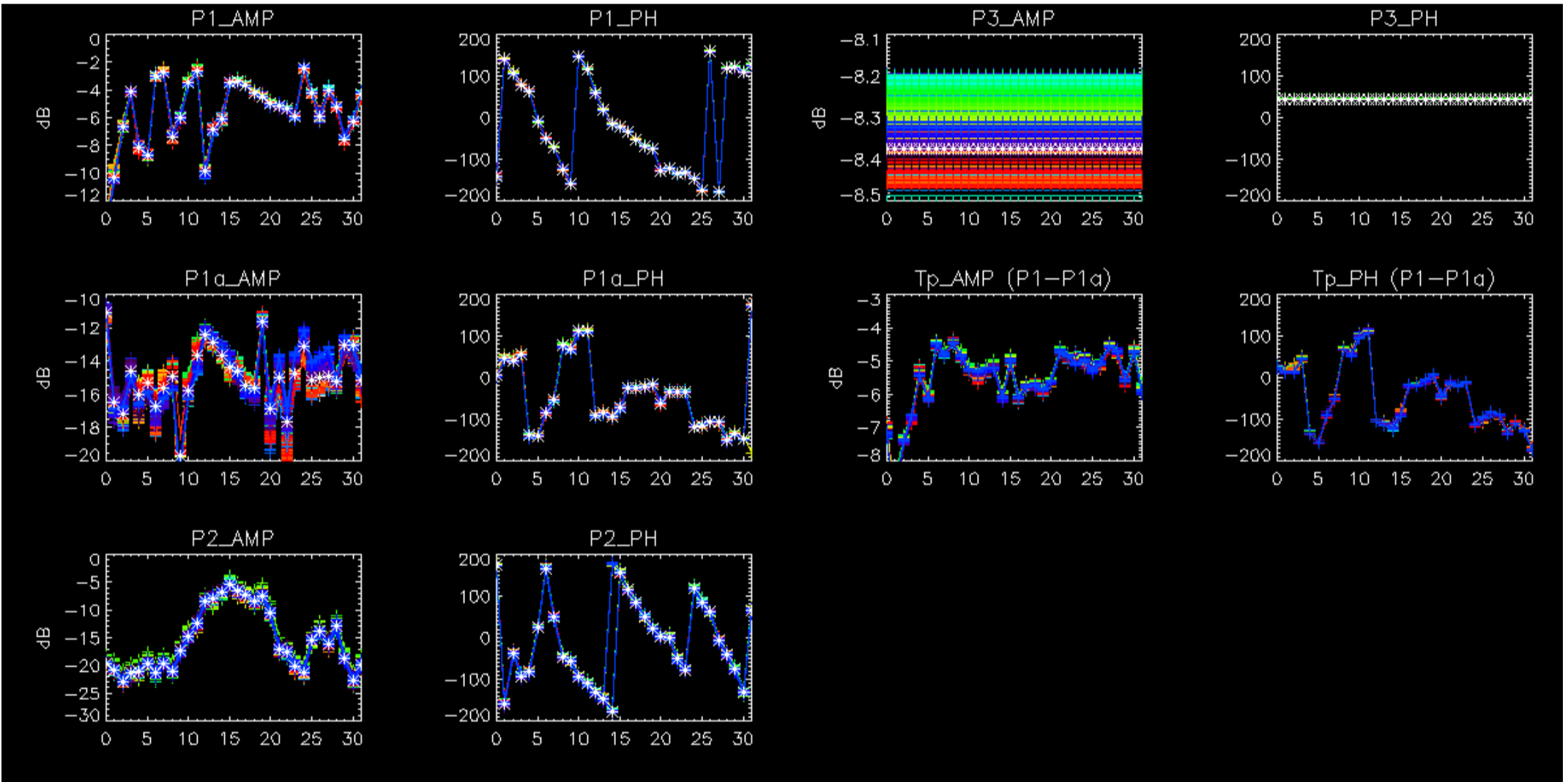


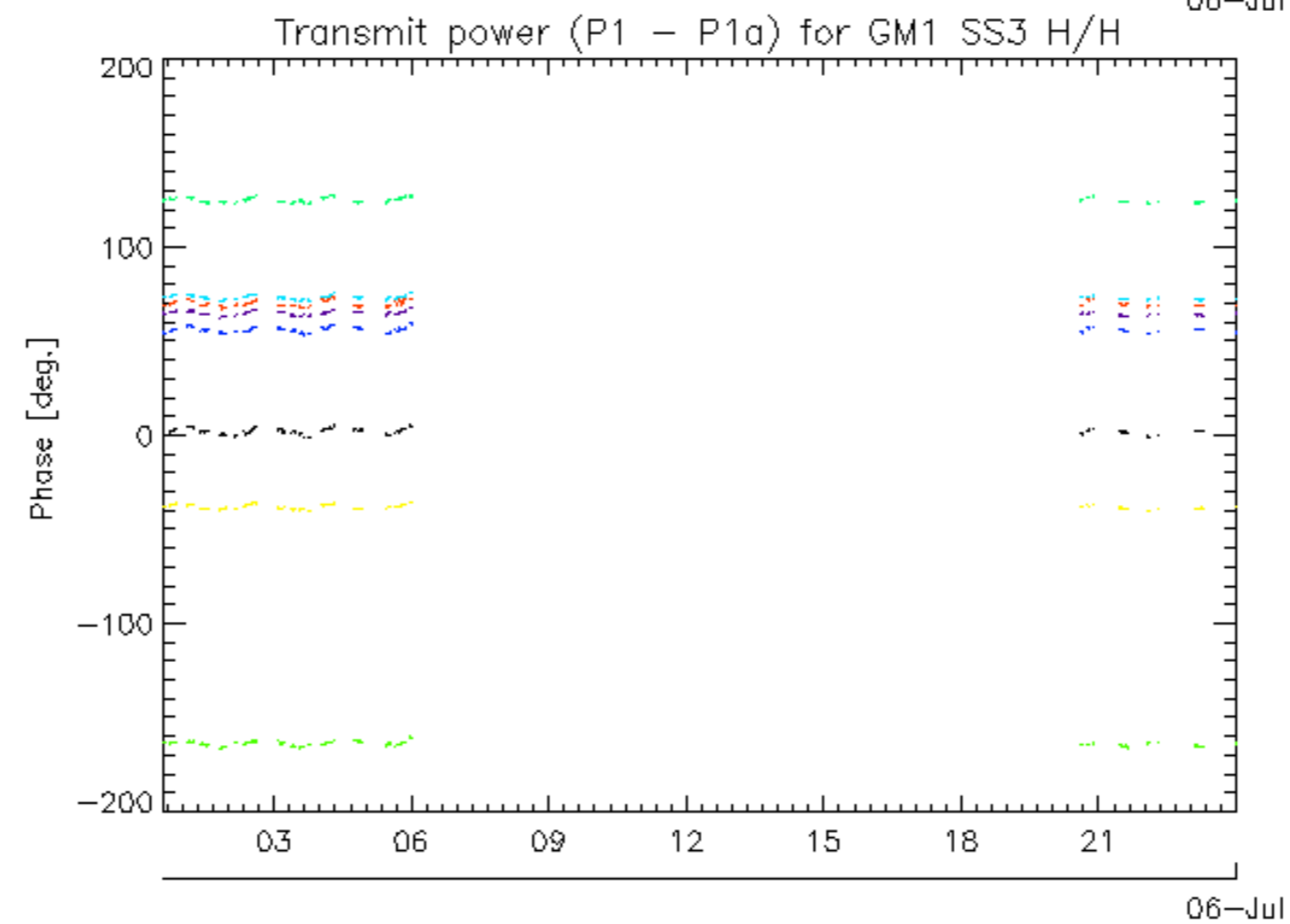
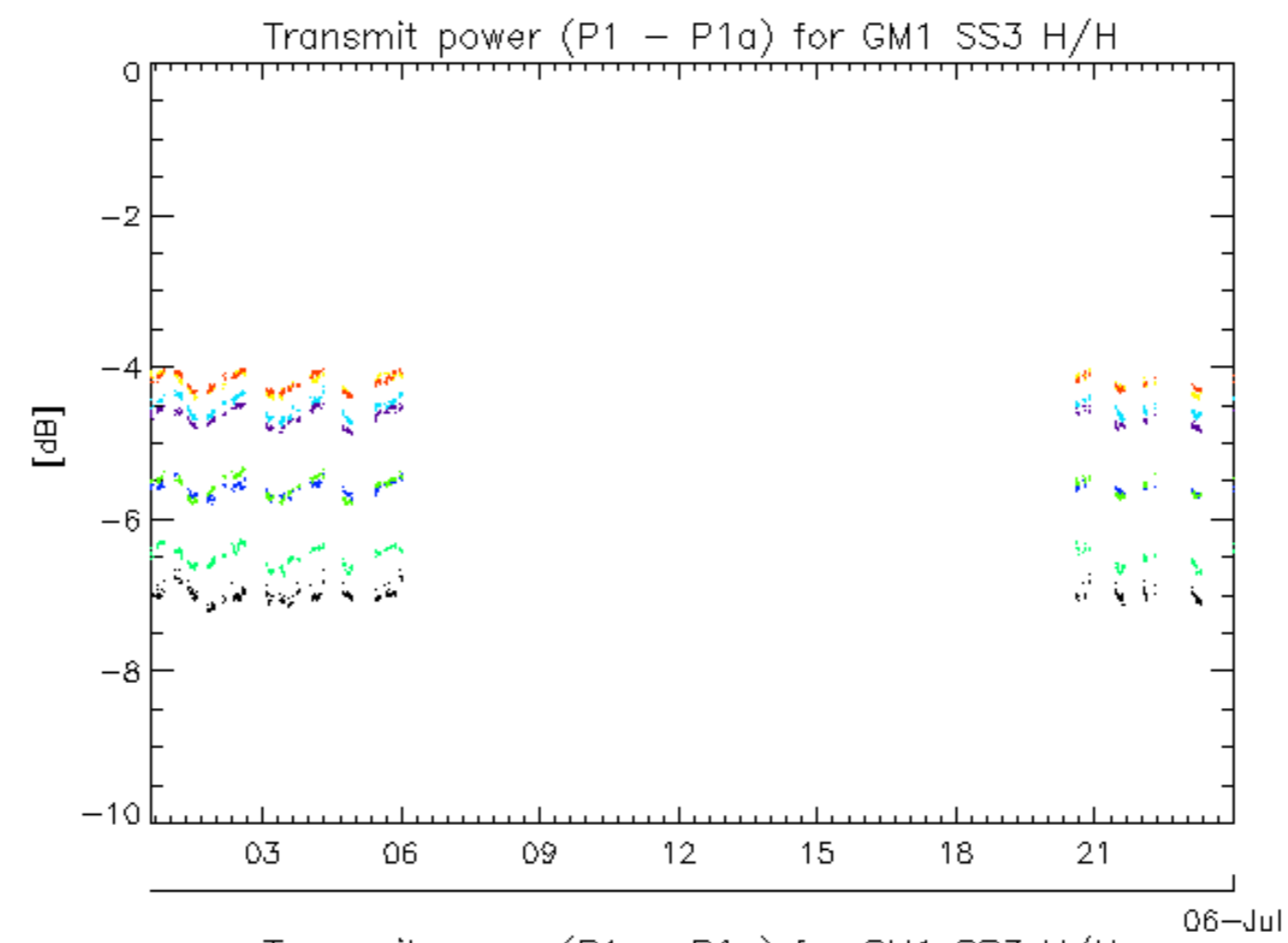
Calibration pulses for WVS IS2 V/V



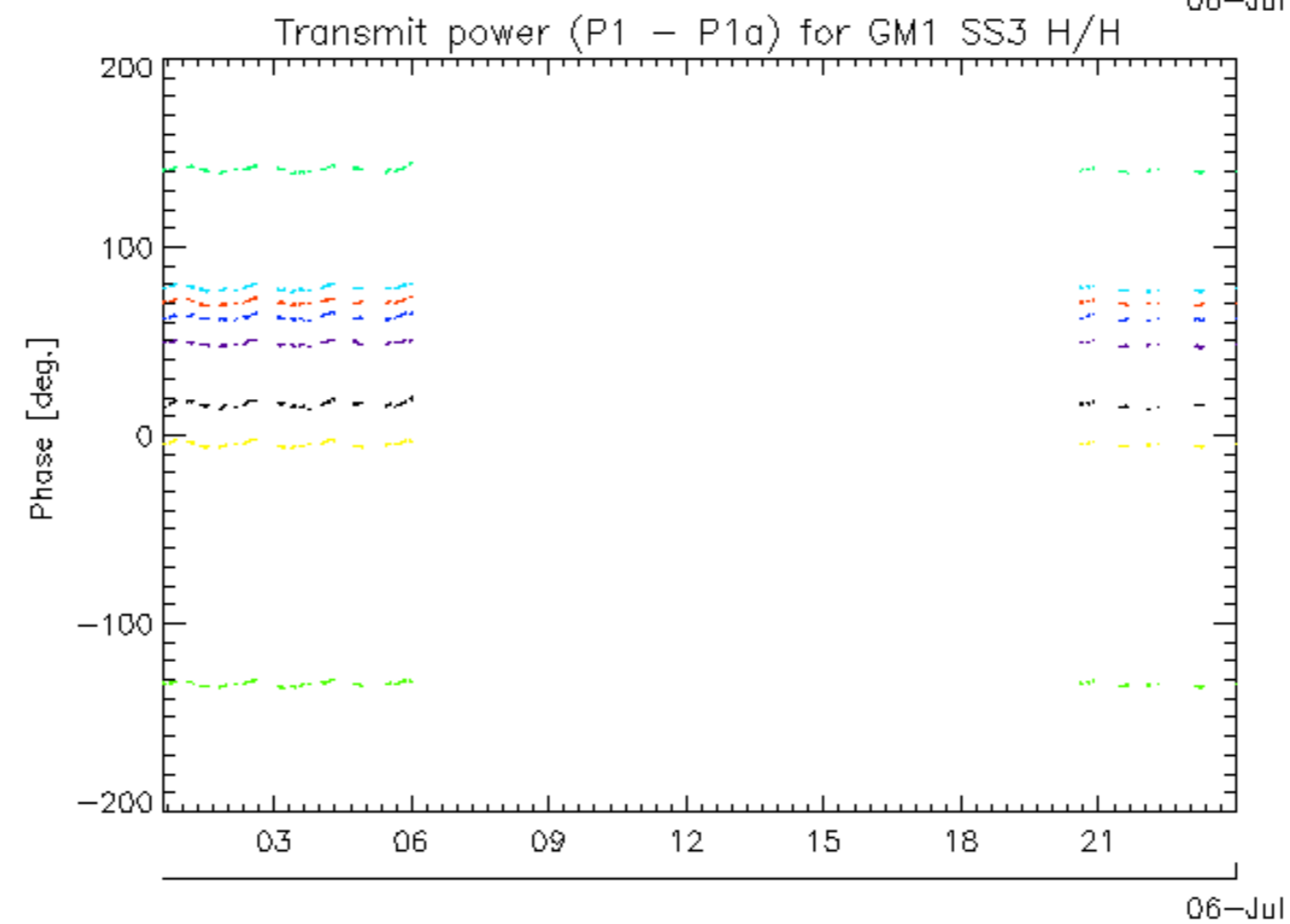
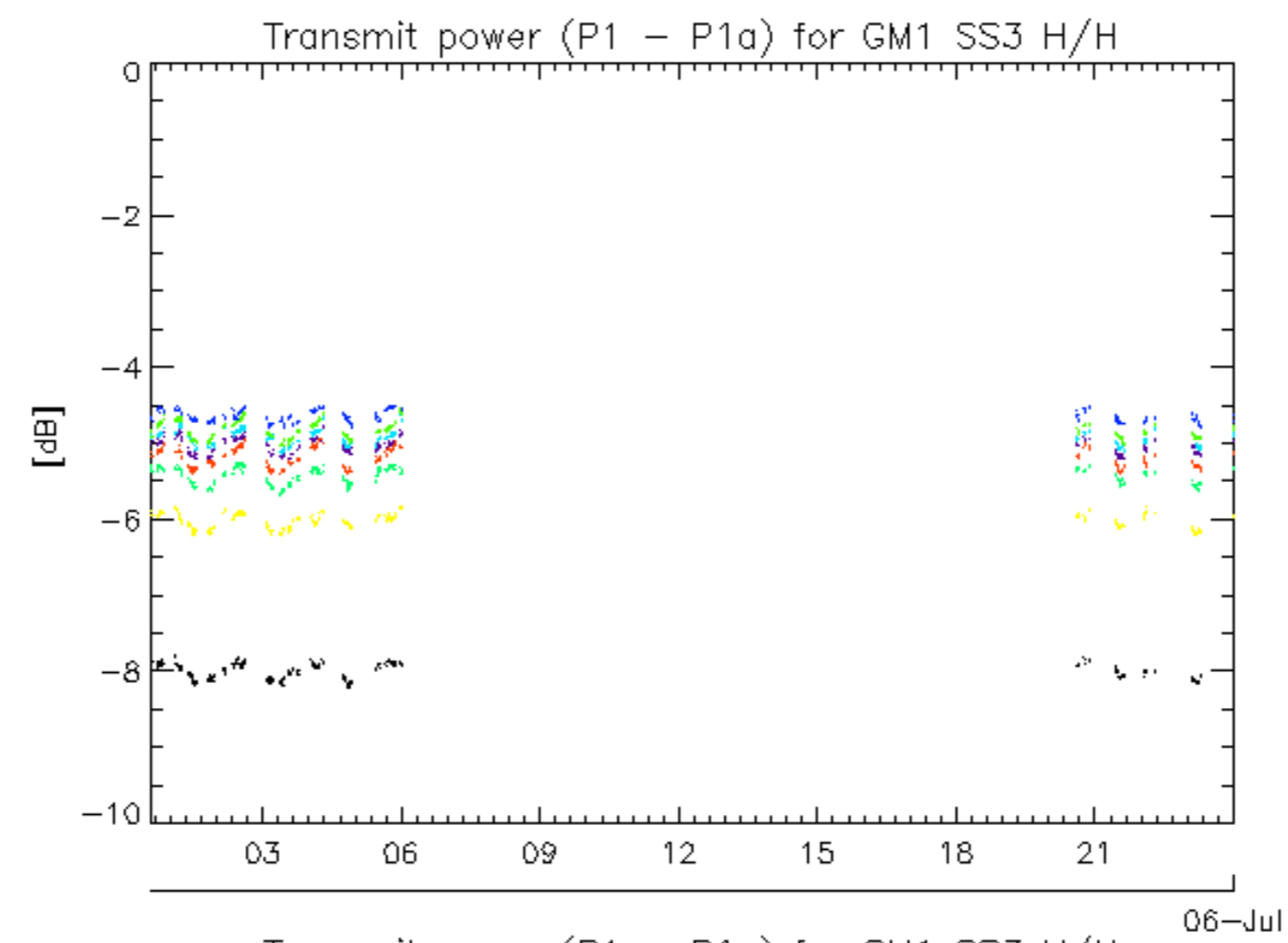
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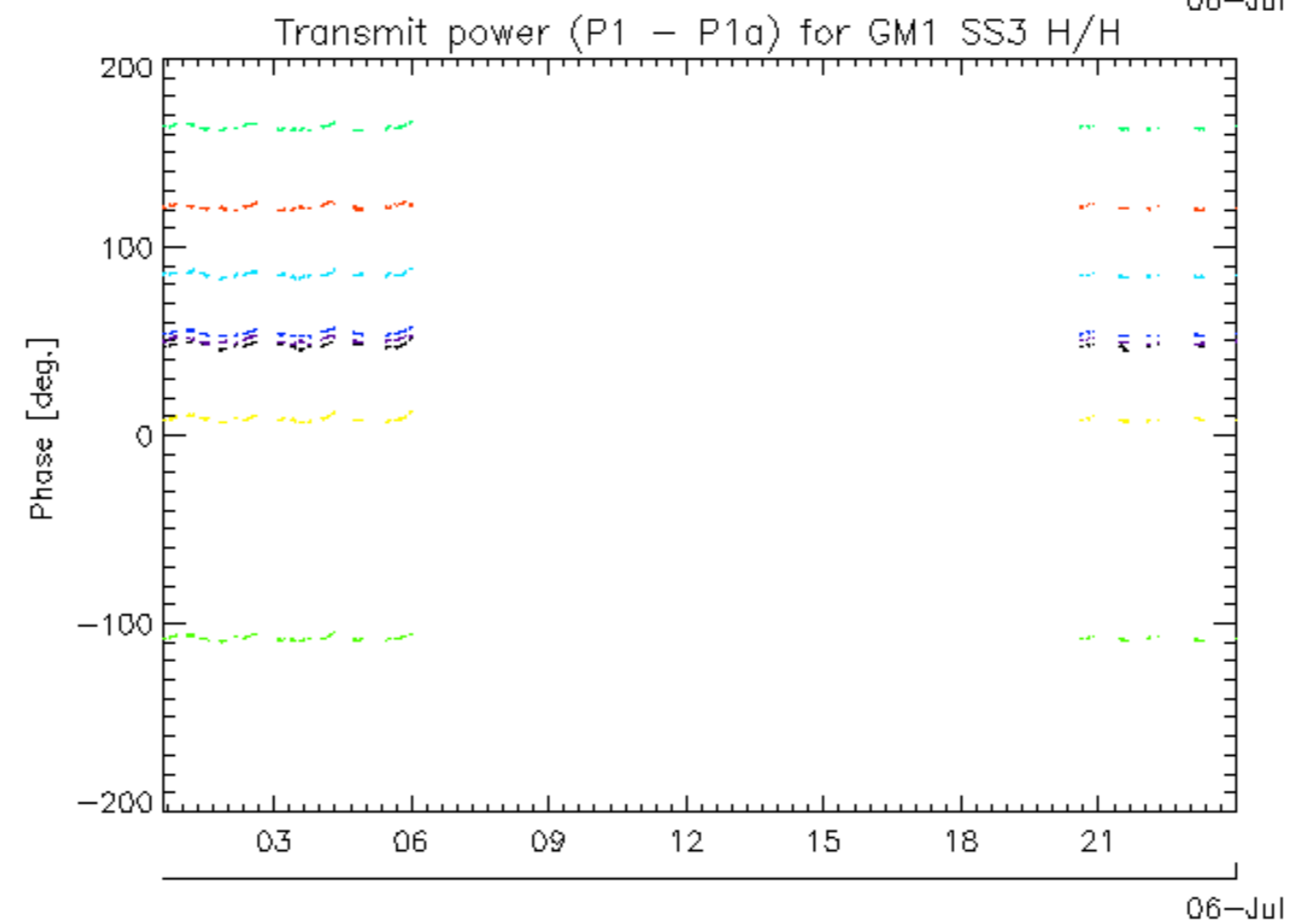
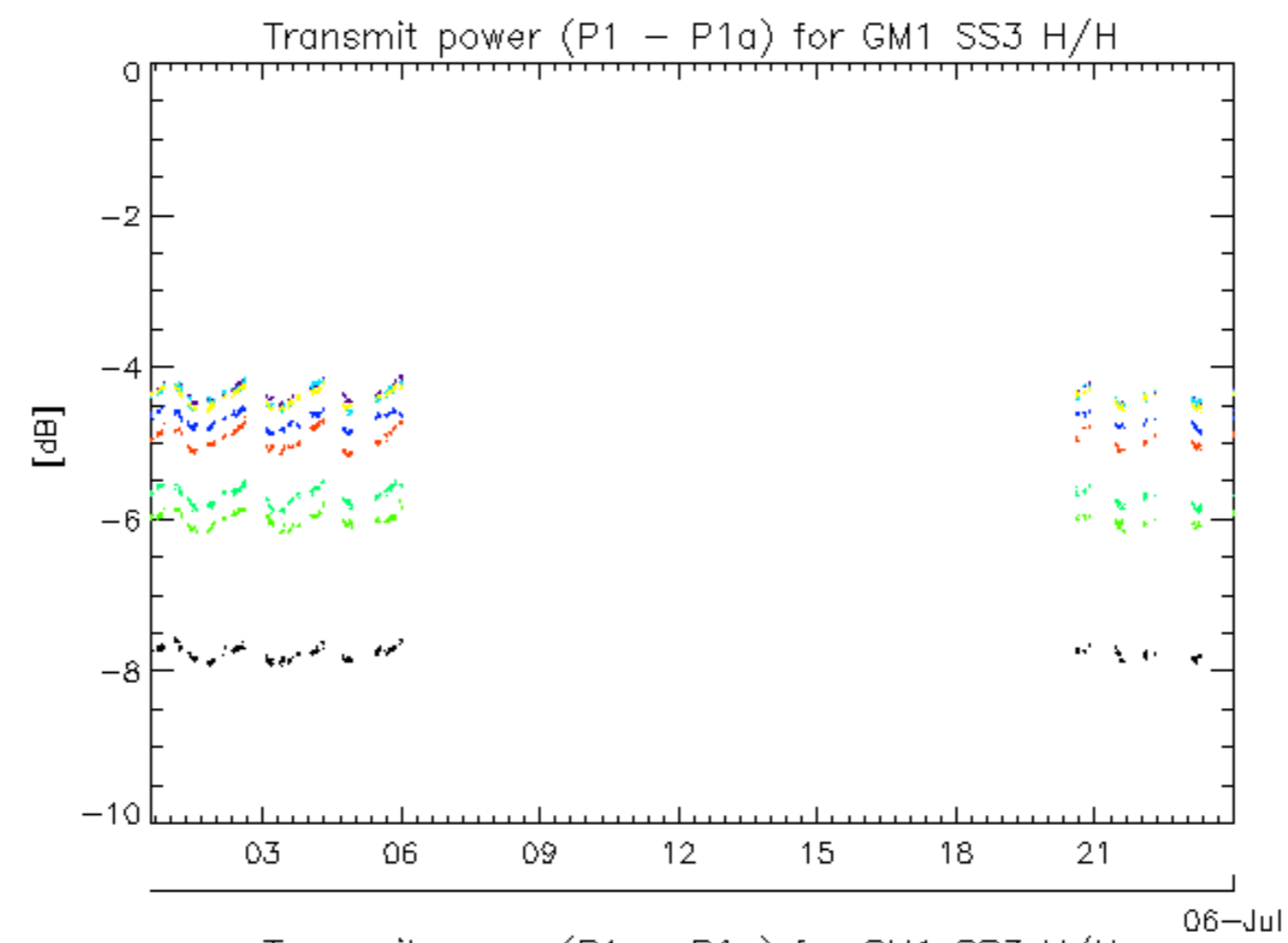




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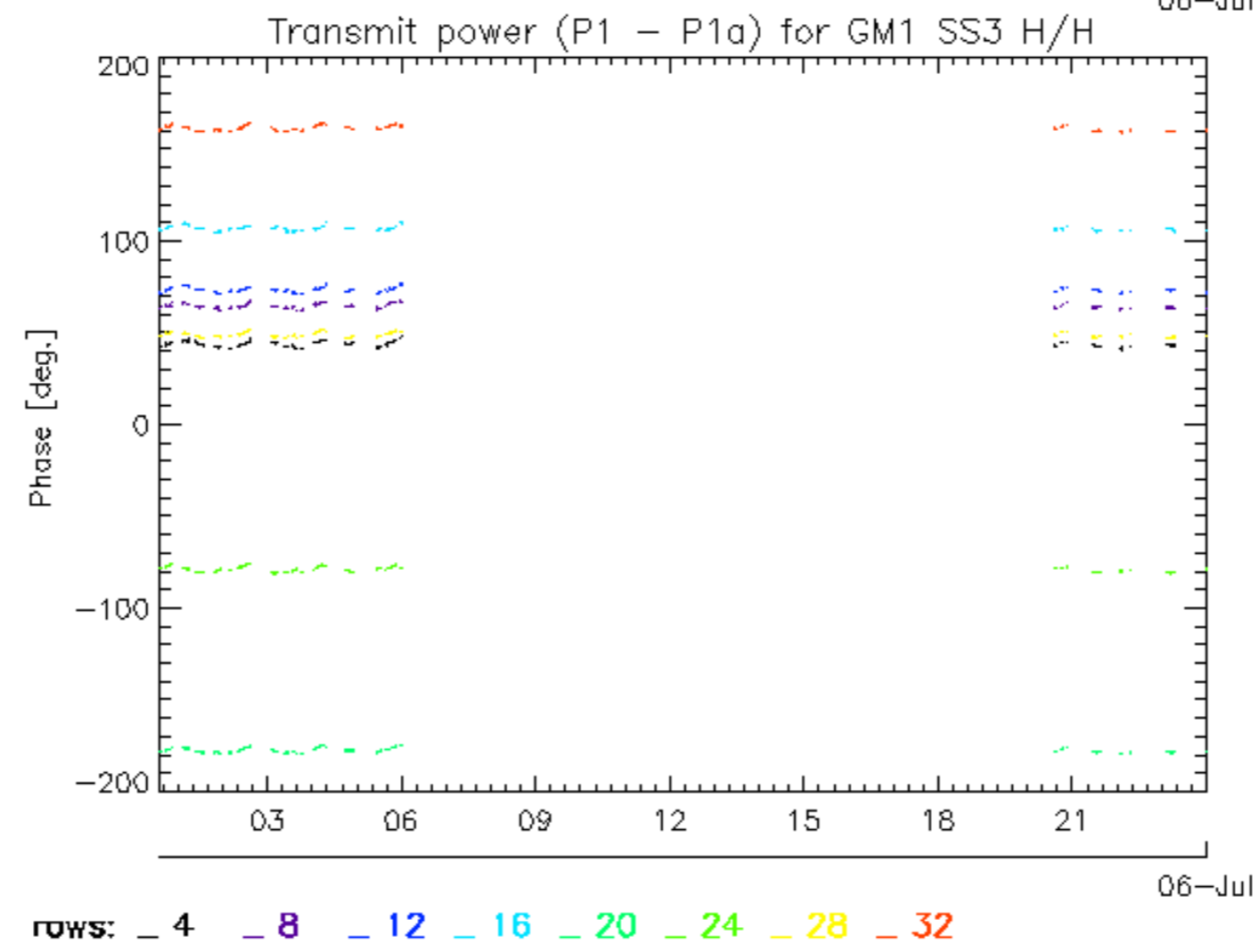
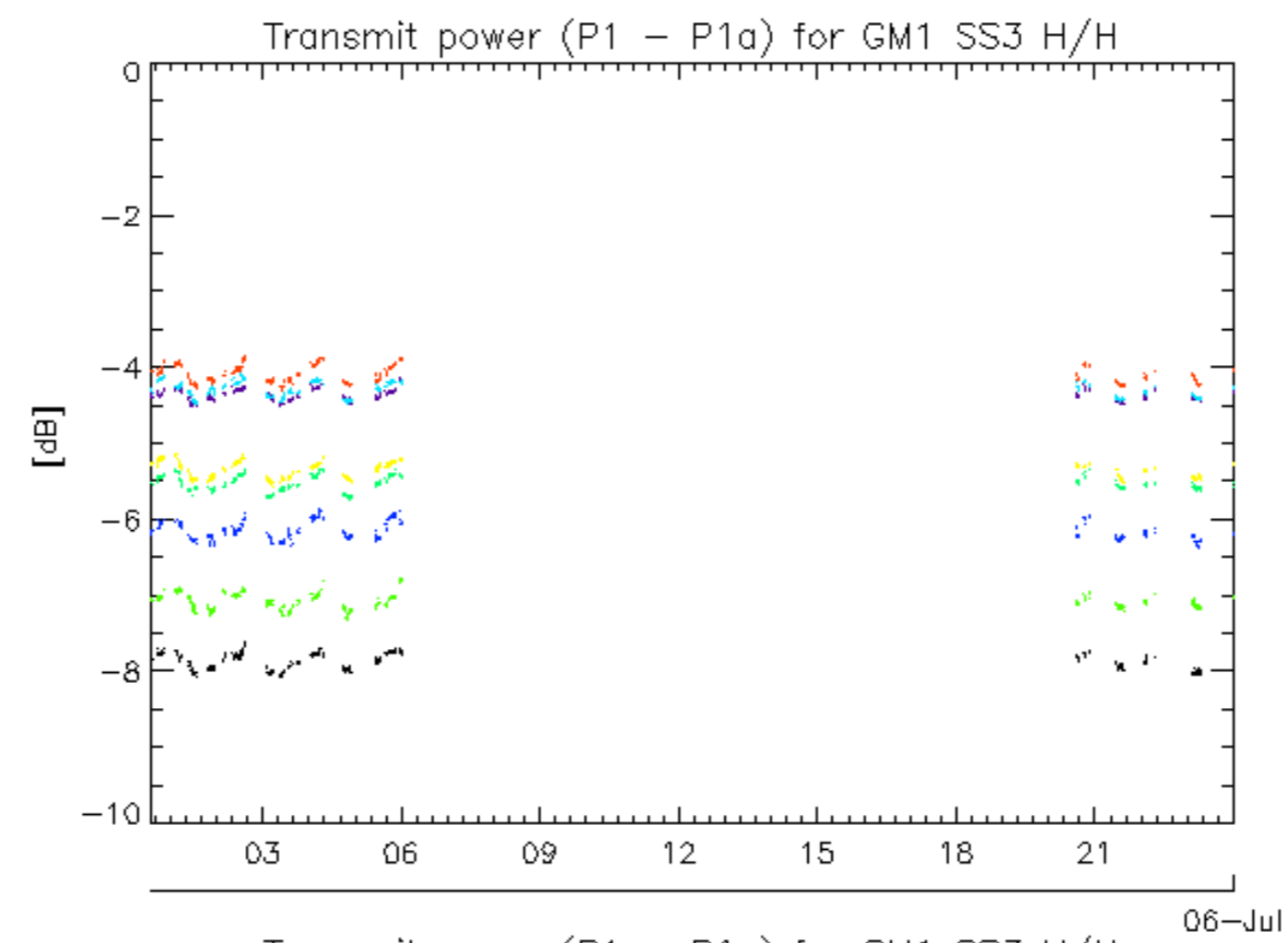


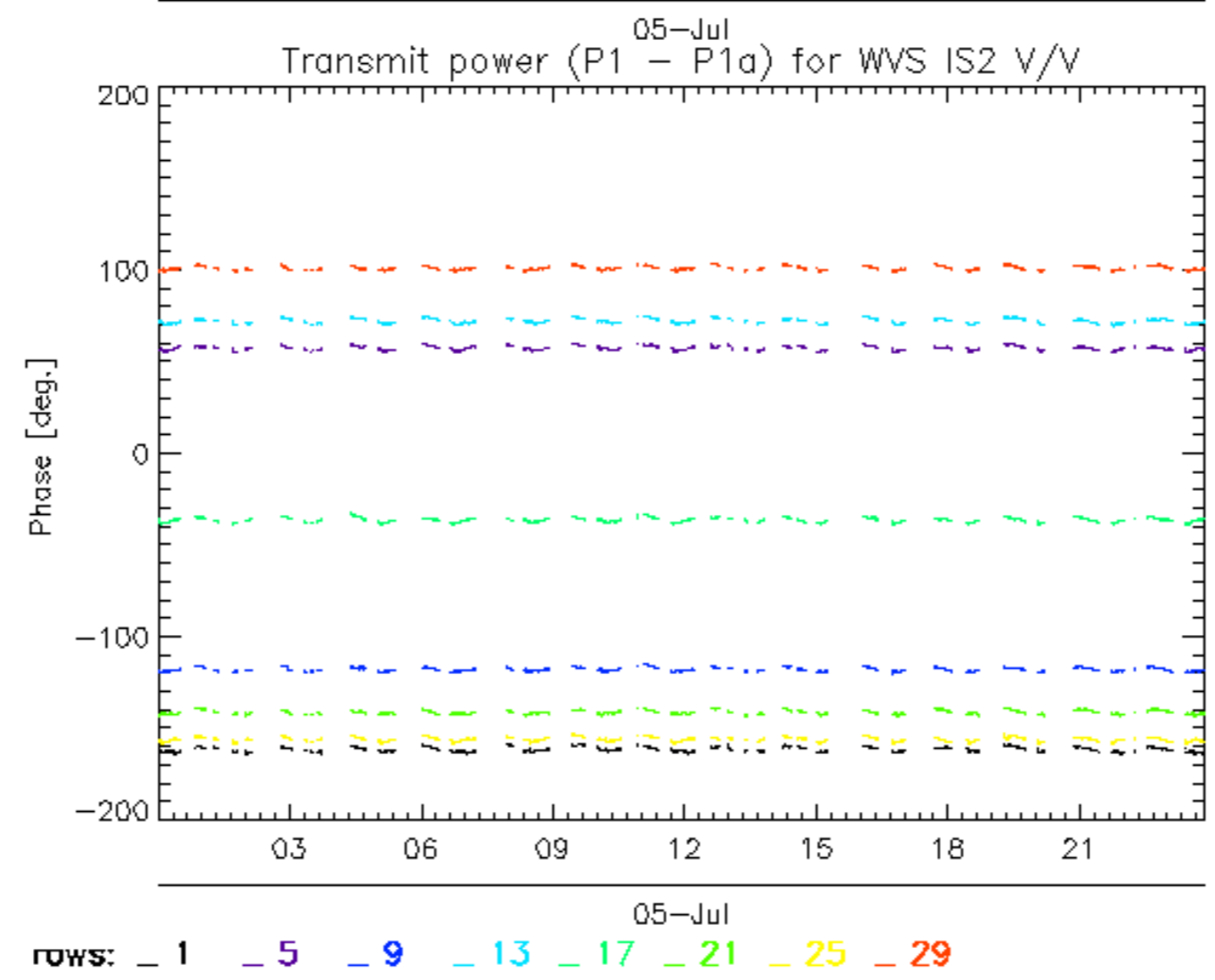
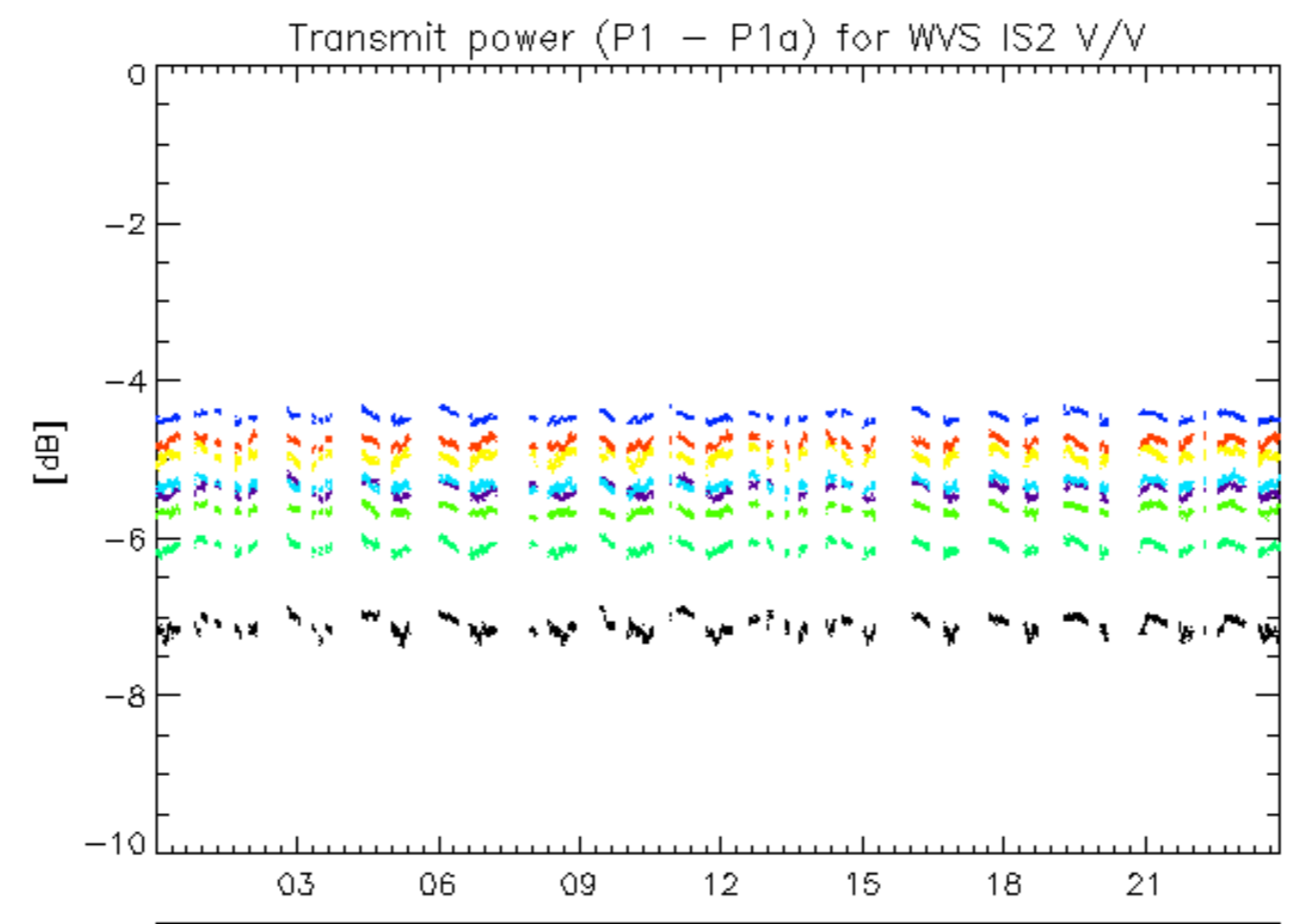
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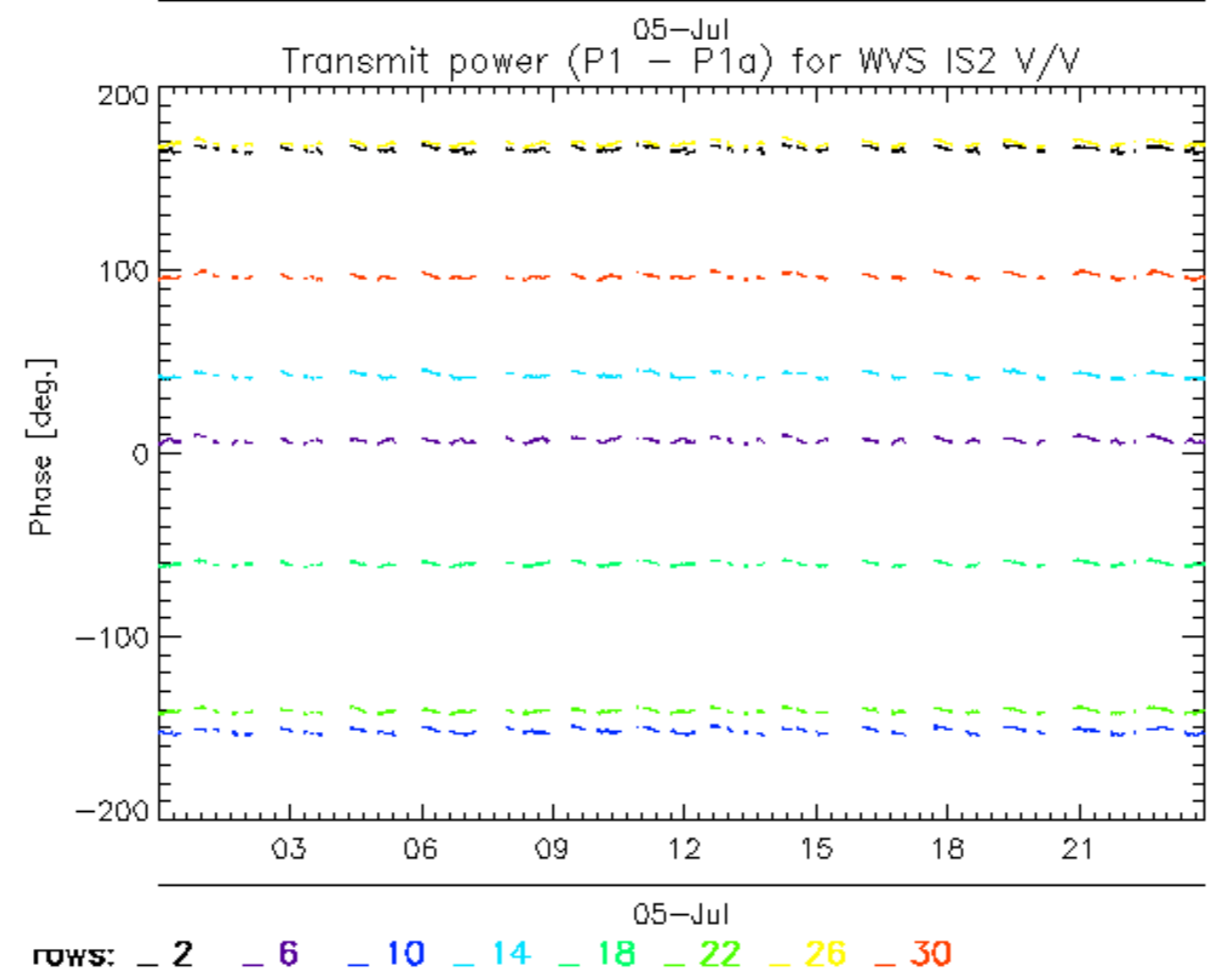
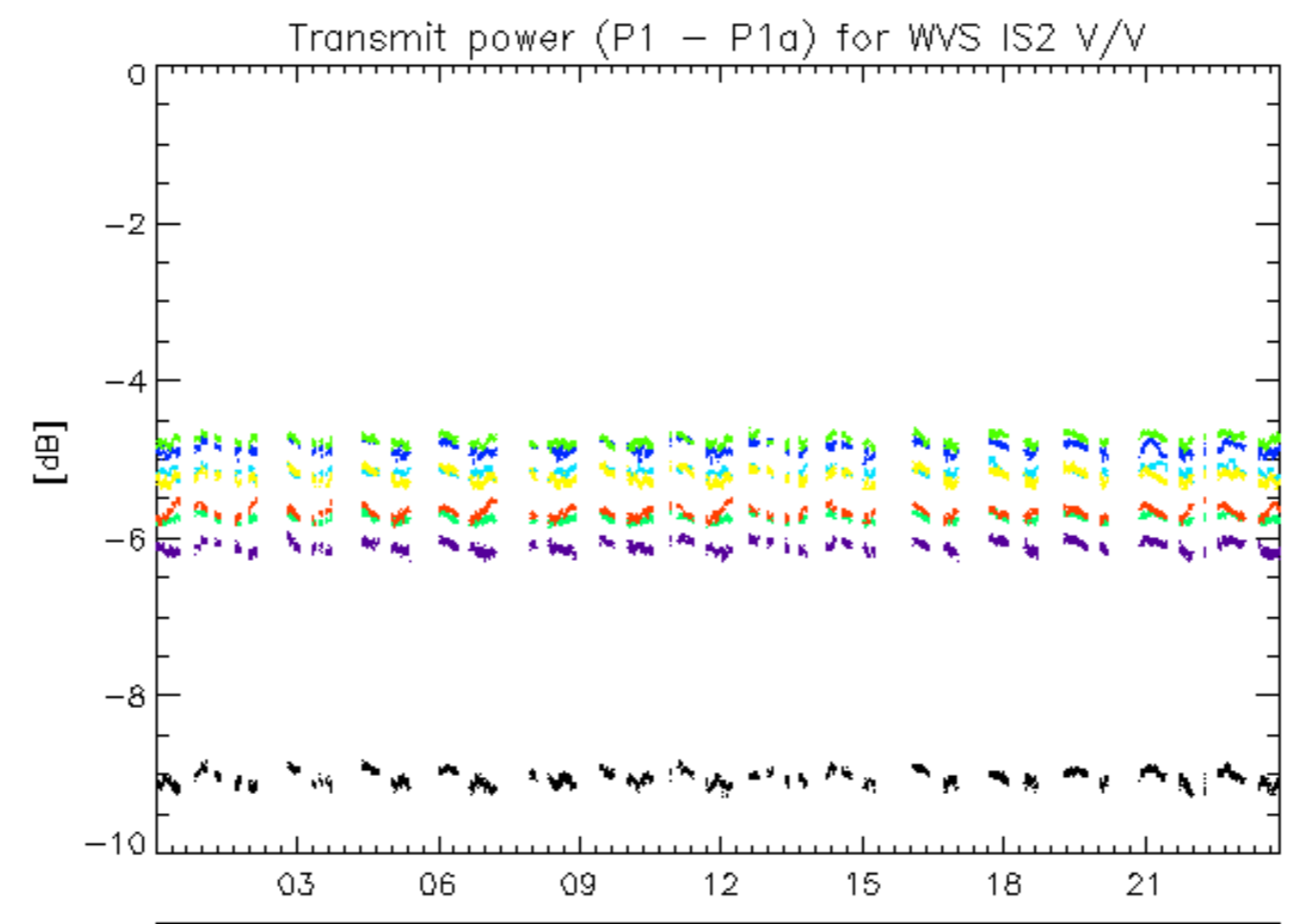


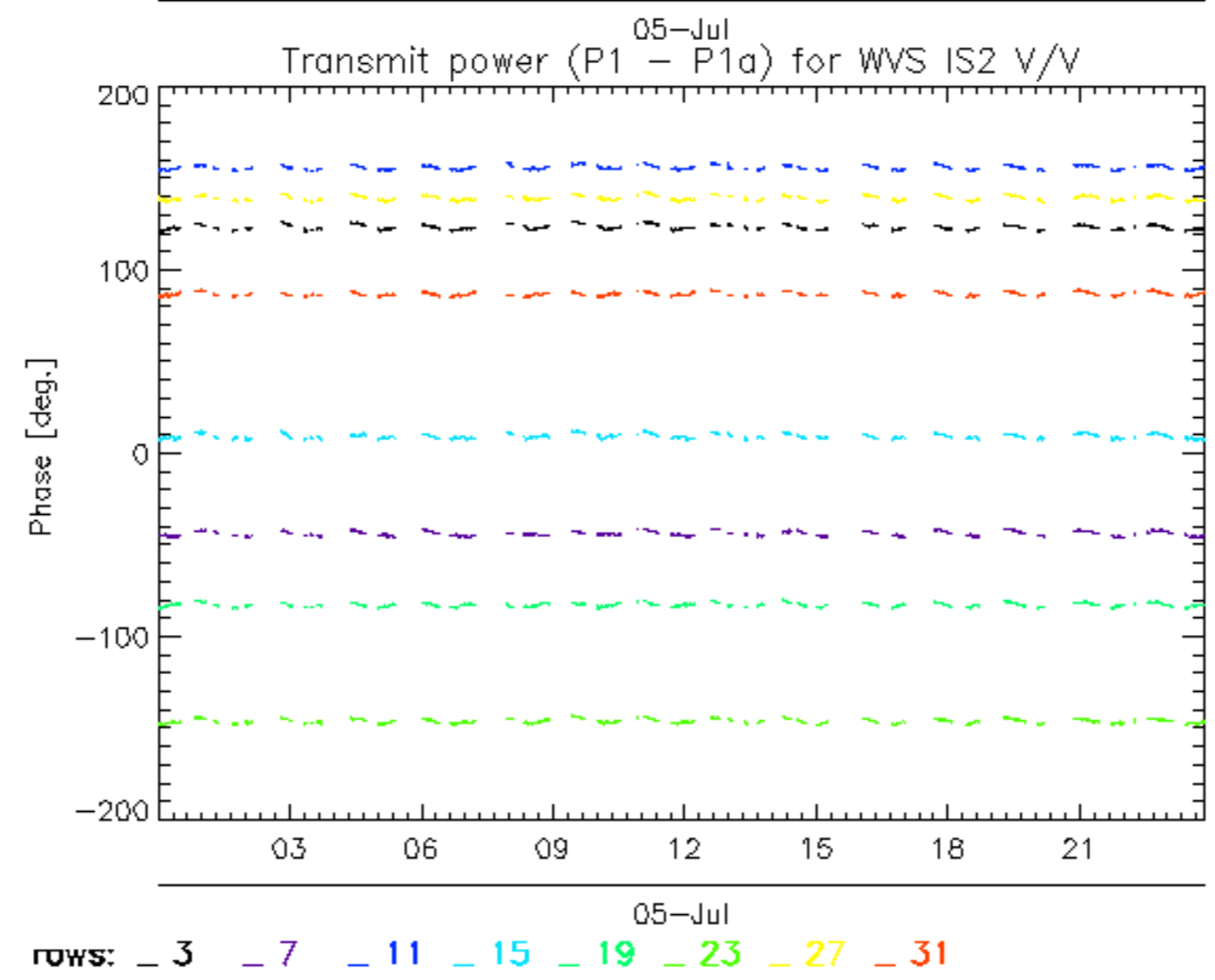
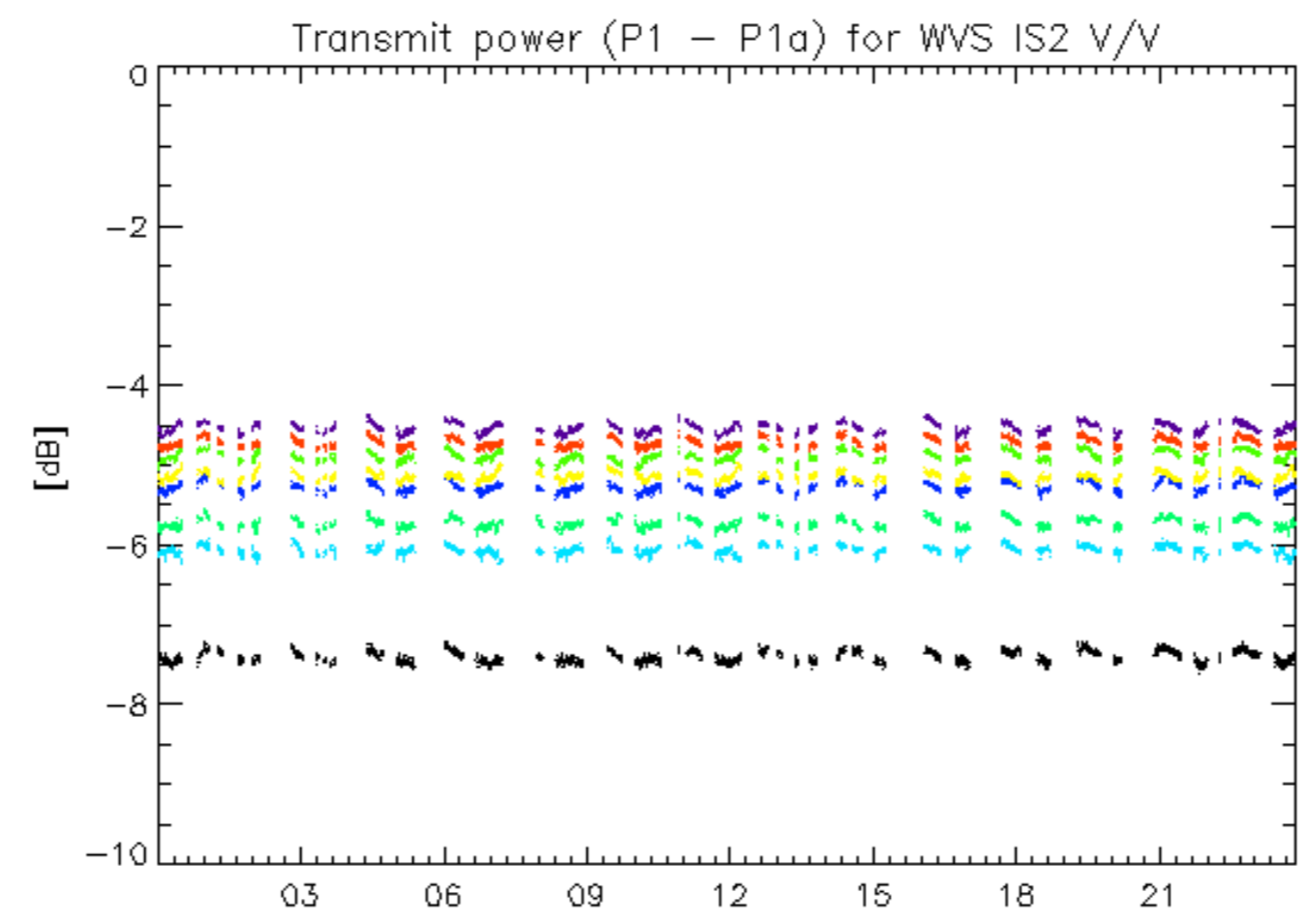
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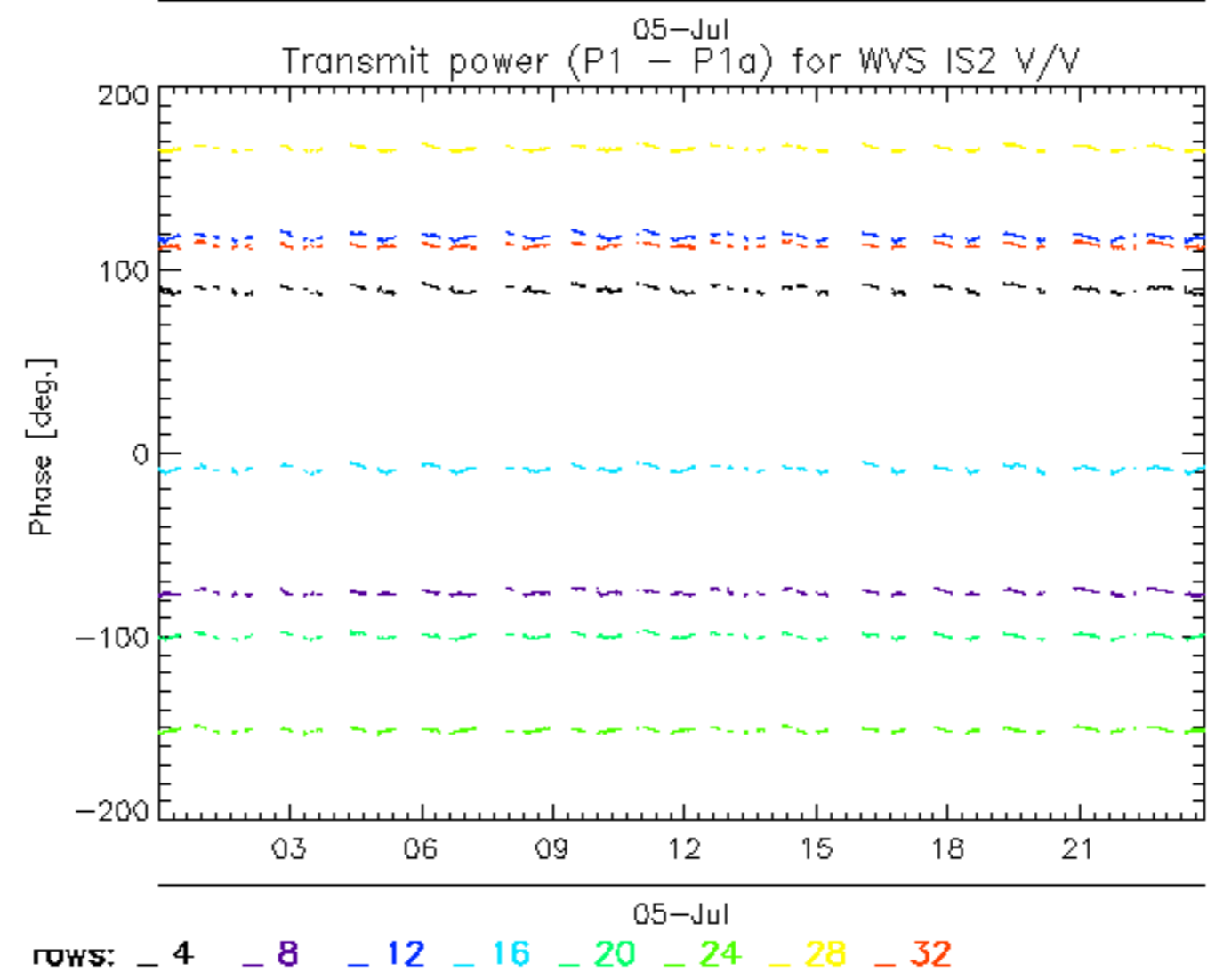
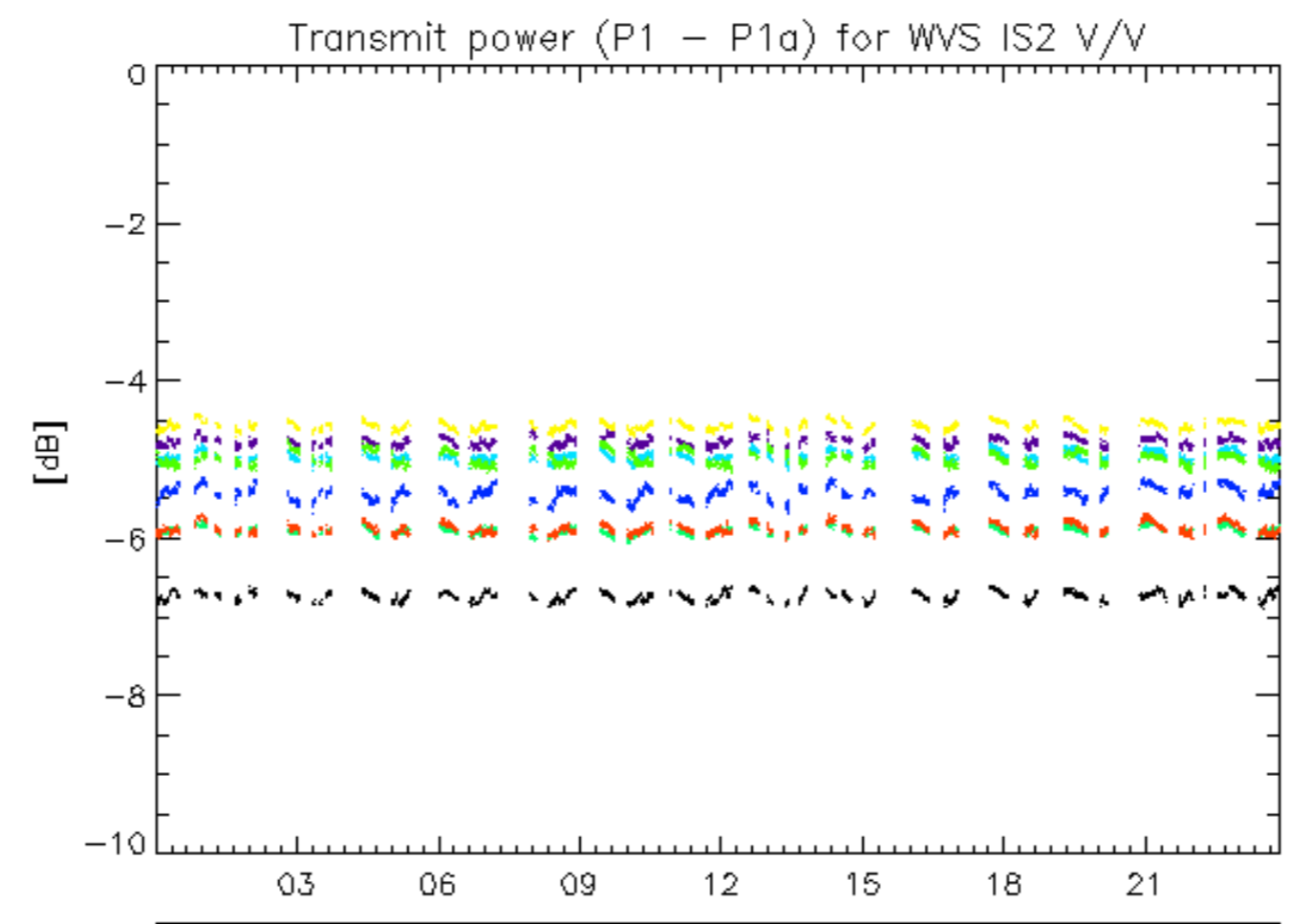


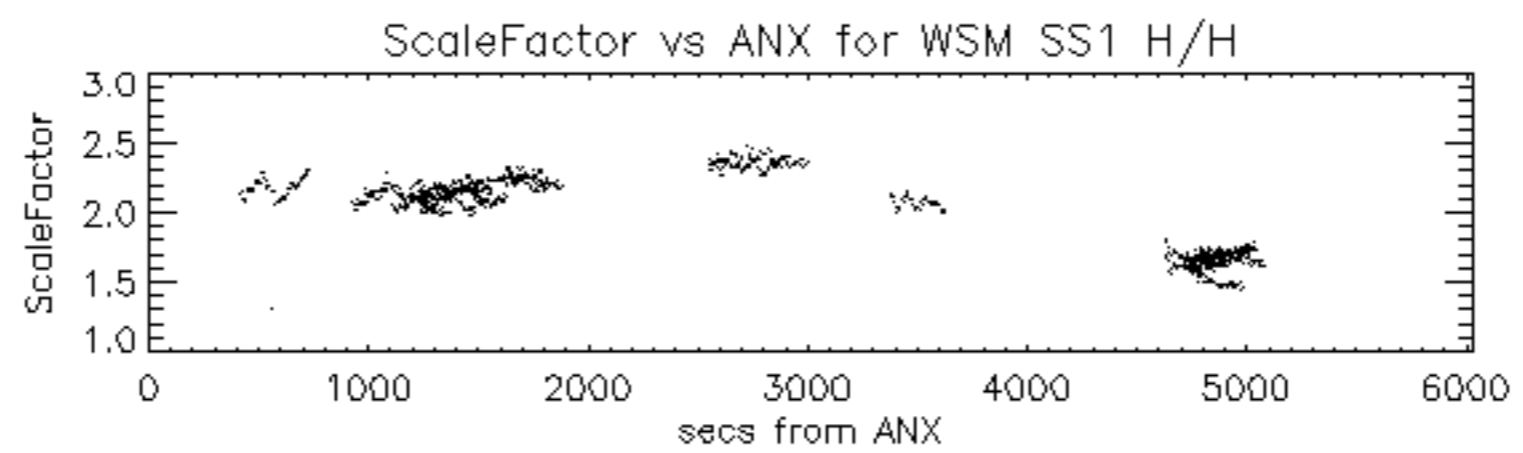


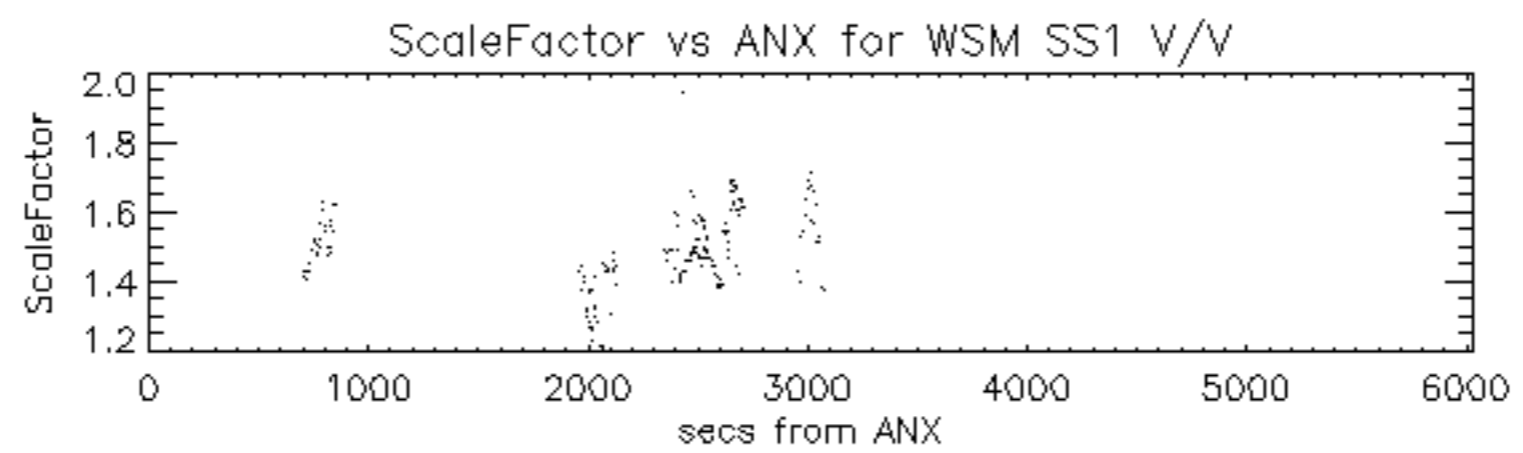


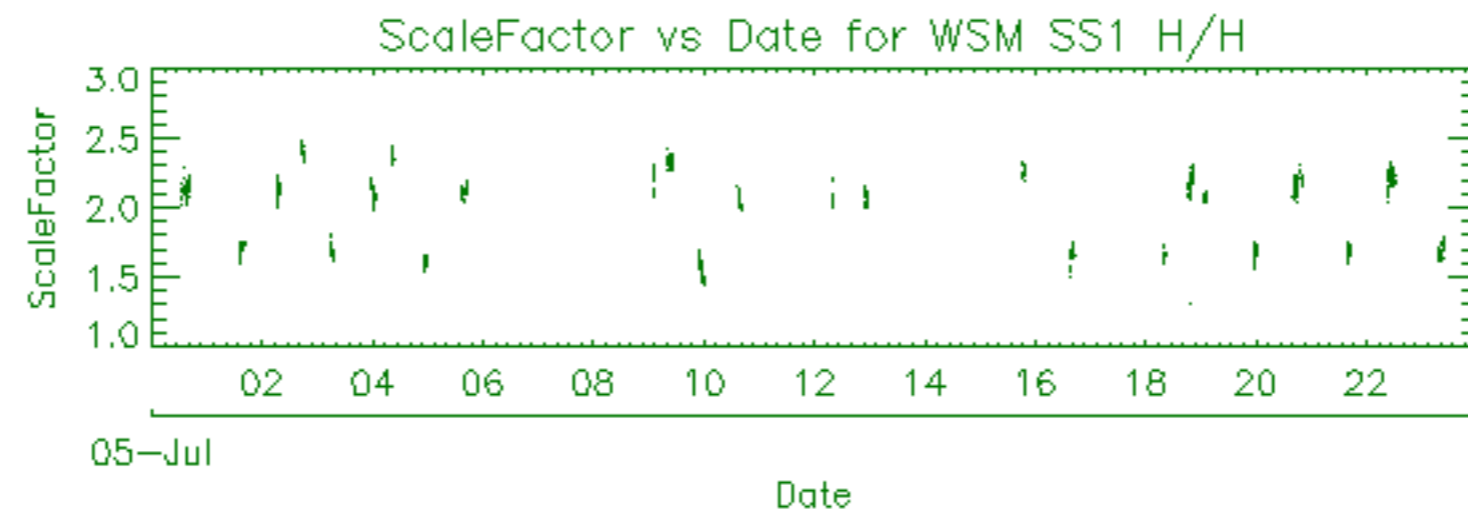




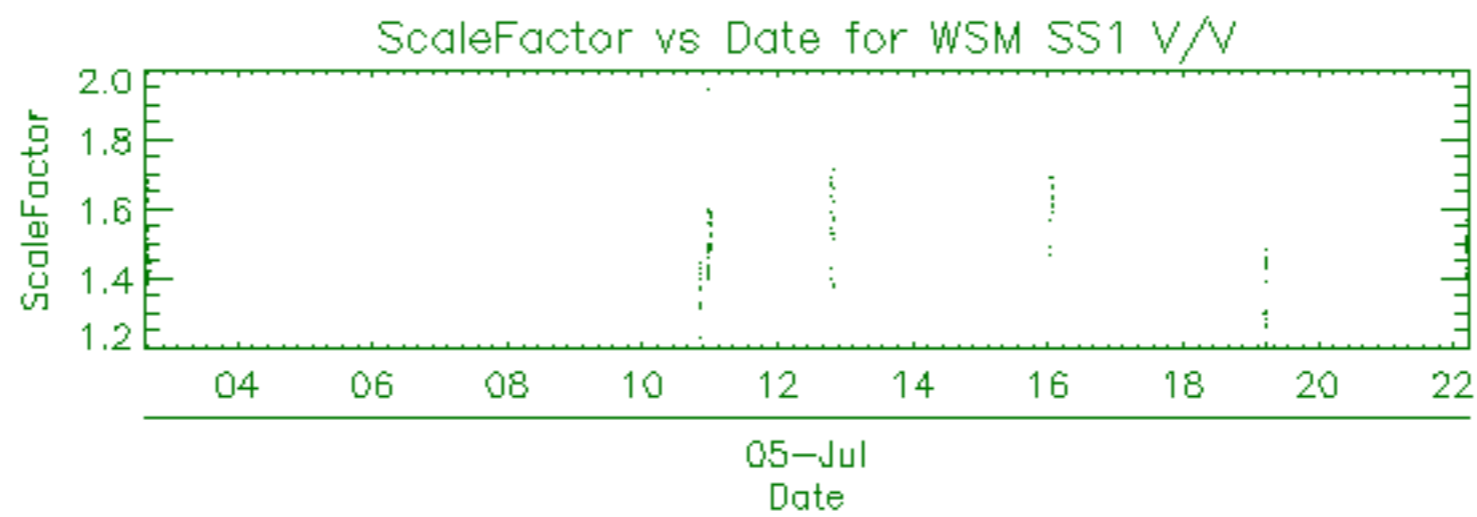












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20110705_052340_000001373104_00149_48870_4799.N1						IS4	V/H	104	48870	149	5.04
ASA_APM_1PNPDE20110705_152144_000000433104_00155_48876_4908.N1						IS2	H/H	104	48876	155	5.04
ASA_APM_1PNPDE20110705_152250_000000423104_00155_48876_4909.N1						IS2	H/H	104	48876	155	5.04
ASA_APM_1PNPDE20110705_170047_000000873104_00156_48877_4914.N1						IS4	H/H	104	48877	156	5.04
ASA_APM_1PNPDE20110705_205044_000000423104_00158_48879_4938.N1						IS1	H/H	104	48879	158	5.04
ASA_APM_1PNPDE20110705_220139_000000433104_00159_48880_4941.N1						IS1	H/H	104	48880	159	5.04

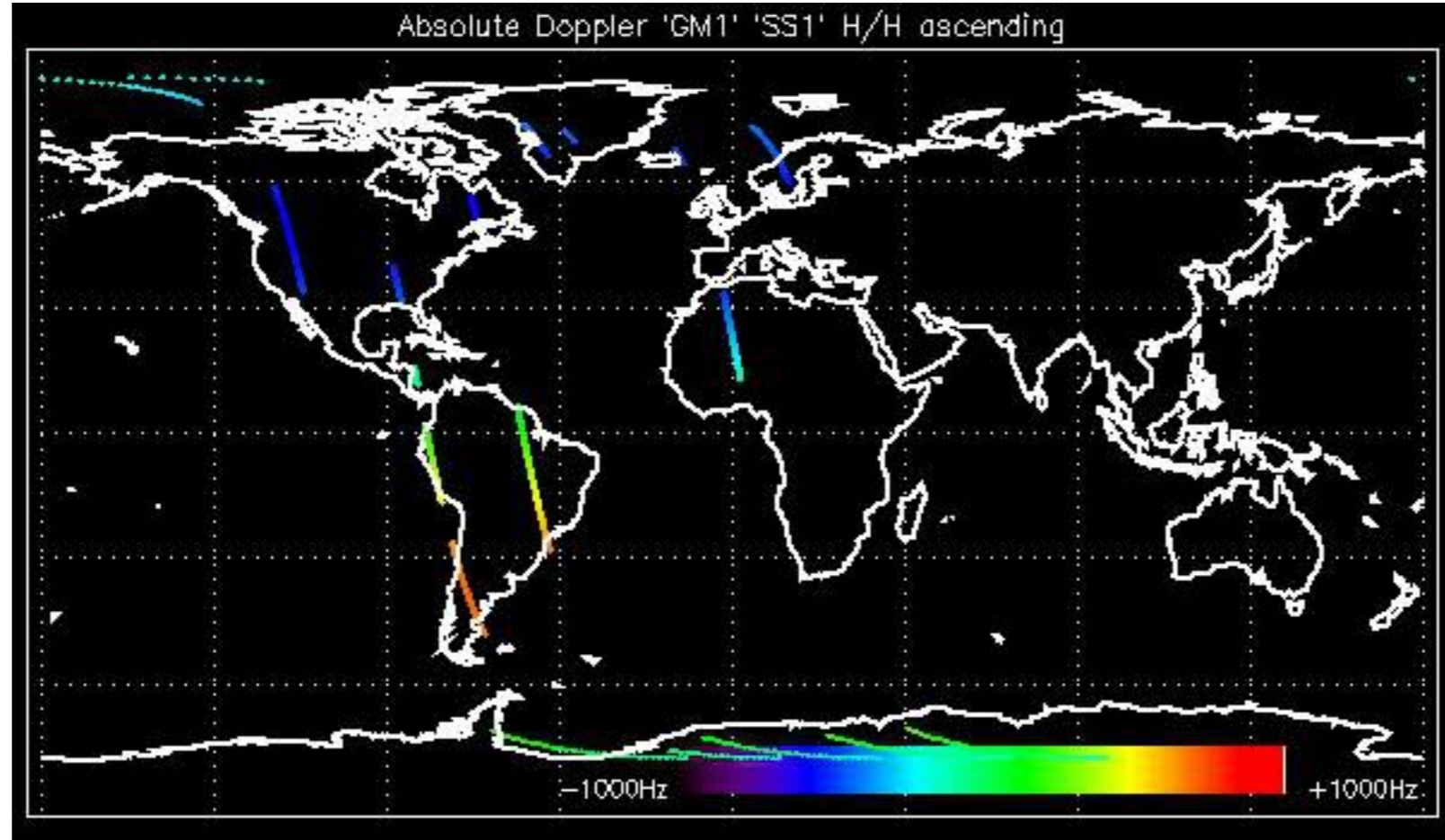
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_GM1_1PNPDE20110705_004221_000004833104_00146_48867_4735.N1						SS1	H/H	104	48867	146	5.04
ASA_GM1_1PNPDE20110705_005157_00000723104_00146_48867_4740.N1						SS1	H/H	104	48867	146	5.04
ASA_GM1_1PNPDE20110705_010630_000001753104_00146_48867_4741.N1						SS1	H/H	104	48867	146	5.04
ASA_GM1_1PNPDE20110705_011038_000003503104_00146_48867_4743.N1						SS1	H/H	104	48867	146	5.04
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ASA_GM1_1PNPDE20110705_020901_000002053104_00147_48868_4763.N1						SS1	H/H	104	48868	147	5.04
ASA_GM1_1PNPDE20110705_020901_000002053104_00147_48868_4762.N1						SS1	H/H	104	48868	147	5.04
ASA_GM1_1PNPDE20110705_022047_000010153104_00147_48868_4767.N1						SS1	H/H	104	48868	147	5.04
ASA_GM1_1PNPDE20110705_030351_000005923104_00147_48868_4777.N1						SS1	H/H	104	48868	147	5.04
ASA_GM1_1PNPDE20110705_032255_000002653104_00147_48868_4779.N1						SS1	H/H	104	48868	147	5.04
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ASA_GM1_1PNPDE20110705_033156_000003263104_00147_48868_4781.N1						SS1	H/H	104	48868	147	5.04
ASA_GM1_1PNPDE20110705_033946_00000783104_00148_48869_4783.N1						SS1	H/H	104	48869	148	5.04
ASA_GM1_1PNPDE20110705_034502_000001753104_00148_48869_4785.N1						SS1	H/H	104	48869	148	5.04
ASA_GM1_1PNPDE20110705_040251_000007433104_00148_48869_4786.N1						SS1	H/H	104	48869	148	5.04
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ASA_GM1_1PNPDE20110705_052617_000004343104_00149_48870_4806.N1						SS1	H/H	104	48870	149	5.04
ASA_GM1_1PNPDE20110705_053916_000001443104_00149_48870_4805.N1						SS1	H/H	104	48870	149	5.04
ASA_GM1_1PNPDE20110705_054339_000005733104_00149_48870_4817.N1						SS1	H/H	104	48870	149	5.04
ASA_GM1_1PNPDE20110705_055813_000002113104_00149_48870_4816.N1						SS1	H/H	104	48870	149	5.04
ASA_GM1_1PNPDE20110705_203548_000002413104_00158_48879_4925.N1						SS1	H/H	104	48879	158	5.04
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ASA_GM1_1PNPDE20110705_221722_000006663104_00159_48880_4947.N1						SS1	H/H	104	48880	159	5.04
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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_IMM_1PNPDE20110705_055311_000002913104_00149_48870_4798.N1						IS6	H/H	104	48870	149	5.04
ASA_IMM_1PNPDE20110705_091503_000000693104_00151_48872_4838.N1						IS6	H/H	104	48872	151	5.04
ASA_IMM_1PNPDE20110705_142948_000000793104_00154_48875_4907.N1						IS4	H/H	104	48875	154	5.04
ASA_IMM_1PNPDE20110705_155926_000000973104_00155_48876_4912.N1						IS6	H/H	104	48876	155	5.04
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ASA_IMM_1PNPDE20110705_173926_000000363104_00156_48877_4917.N1						IS2	V/V	104	48877	156	5.04
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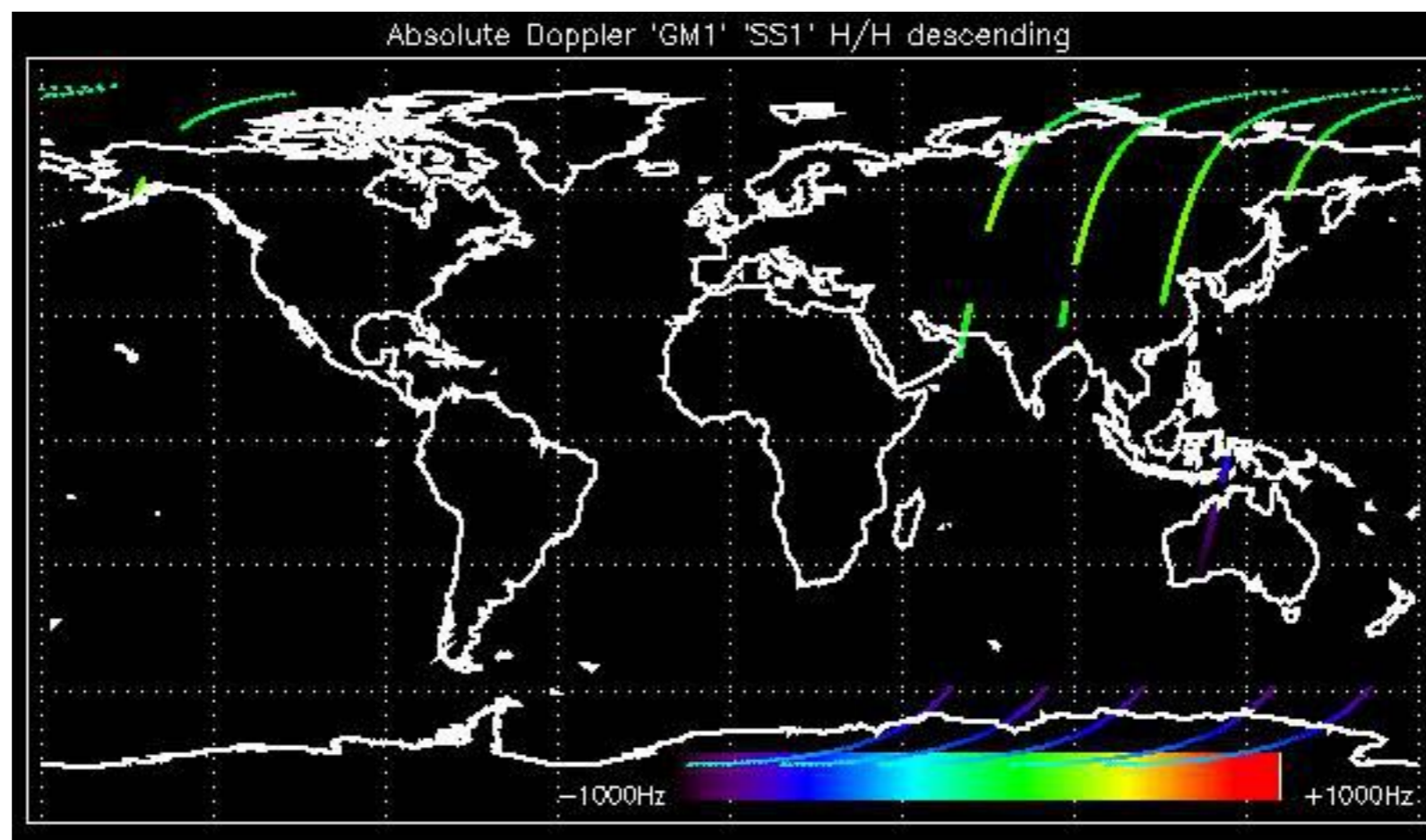
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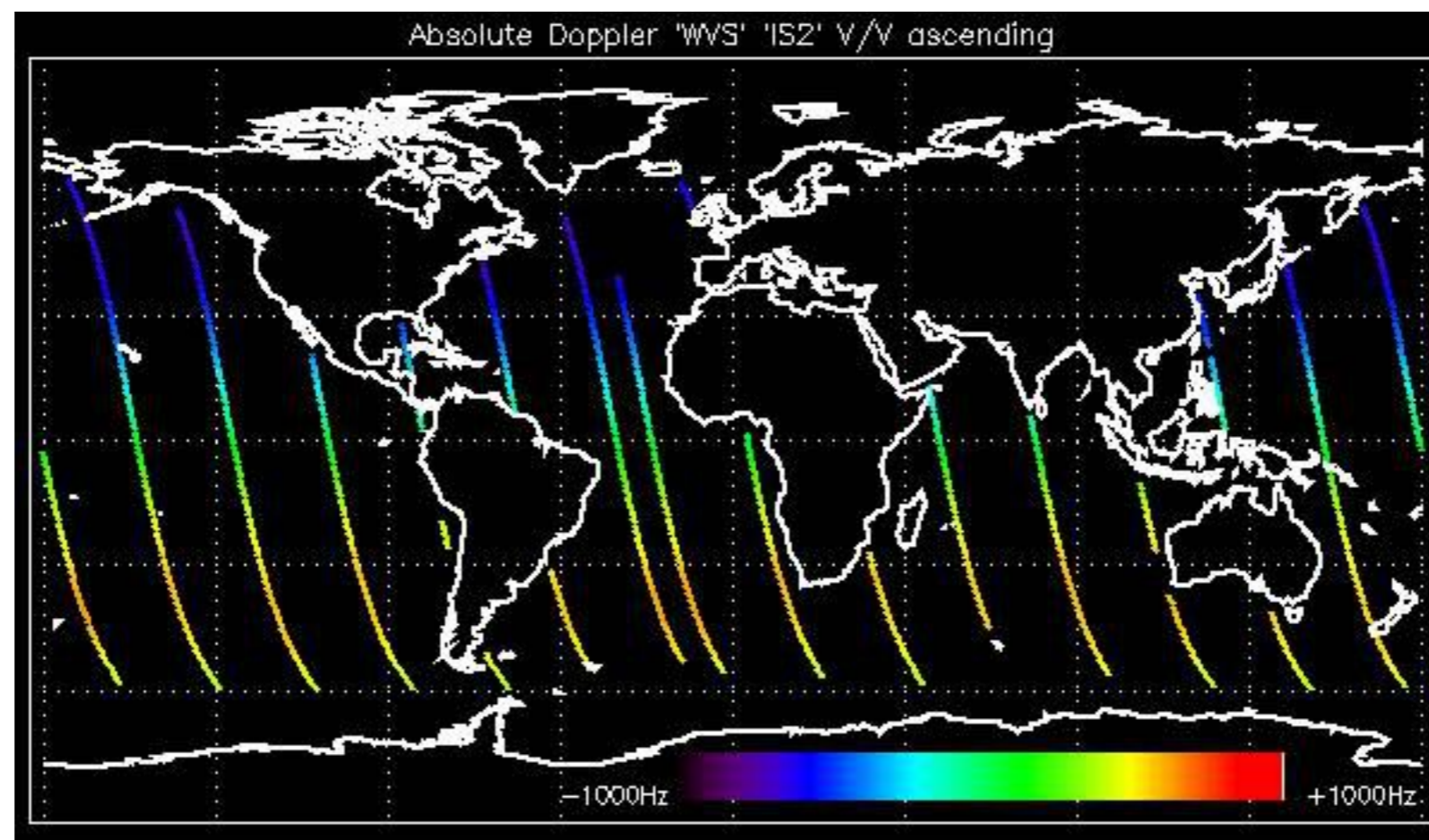
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ASA_WSM_1PNPDE20110705_003712_000003003104_00146_48867_4732.N1						SS1	H/H	104	48867	146	5.04
ASA_WSM_1PNPDE20110705_013457_000003553104_00146_48867_4737.N1						SS1	H/H	104	48867	146	5.04
ASA_WSM_1PNPDE20110705_021509_000003363104_00147_48868_4759.N1						SS1	H/H	104	48868	147	5.04
ASA_WSM_1PNPDE20110705_023746_000002453104_00147_48868_4754.N1						SS1	V/V	104	48868	147	5.04
ASA_WSM_1PNPDE20110705_024207_000003003104_00147_48868_4755.N1						SS1	H/H	104	48868	147	5.04
ASA_WSM_1PNPDE20110705_031347_000003063104_00147_48868_4772.N1						SS1	H/H	104	48868	147	5.04
ASA_WSM_1PNPDE20110705_035731_000003123104_00148_48869_4773.N1						SS1	H/H	104	48869	148	5.04
ASA_WSM_1PNPDE20110705_041933_000001903104_00148_48869_4775.N1						SS1	H/H	104	48869	148	5.04
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ASA_WSM_1PNPDE20110705_053615_000001773104_00149_48870_4801.N1						SS1	H/H	104	48870	149	5.04
ASA_WSM_1PNPDE20110705_054143_000001103104_00149_48870_4802.N1						SS1	H/H	104	48870	149	5.04
ASA_WSM_1PNPDE20110705_090407_000001473104_00151_48872_4837.N1						SS1	H/H	104	48872	151	5.04
ASA_WSM_1PNPDE20110705_092011_000003553104_00151_48872_4839.N1						SS1	H/H	104	48872	151	5.04
ASA_WSM_1PNPDE20110705_095447_000003733104_00151_48872_4859.N1						SS1	H/H	104	48872	151	5.04
ASA_WSM_1PNPDE20110705_103636_000002693104_00152_48873_4860.N1						SS1	H/H	104	48873	152	5.04
ASA_WSM_1PNPDE20110705_105031_000000923104_00152_48873_4850.N1						SS1	V/V	104	48873	152	5.04
ASA_WSM_1PNPDE20110705_105702_000002143104_00152_48873_4851.N1						SS1	V/V	104	48873	152	5.04
ASA_WSM_1PNPDE20110705_121813_000001283104_00153_48874_4884.N1						SS1	H/H	104	48874	153	5.04
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ASA_WSM_1PNPDE20110705_125424_000002693104_00153_48874_4892.N1						SS1	H/H	104	48874	153	5.04
ASA_WSM_1PNPDE20110705_154517_000002143104_00155_48876_4911.N1						SS1	H/H	104	48876	155	5.04
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ASA_WSM_1PNPDE20110705_163804_000002753104_00155_48876_4910.N1						SS1	H/H	104	48876	155	5.04
ASA_WSM_1PNPDE20110705_181754_000001903104_00156_48877_4915.N1						SS1	H/H	104	48877	156	5.04
ASA_WSM_1PNPDE20110705_184559_000003303104_00157_48878_4919.N1						SS1	H/H	104	48878	157	5.04
ASA_WSM_1PNPDE20110705_190325_000001843104_00157_48878_4920.N1						SS1	H/H	104	48878	157	5.04
ASA_WSM_1PNPDE20110705_191215_000001593104_00157_48878_4922.N1						SS1	V/V	104	48878	157	5.04
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ASA_WSM_1PNPDE20110705_221115_000001713104_00159_48880_4942.N1						SS1	V/V	104	48880	159	5.04
ASA_WSM_1PNPDE20110705_222136_000005753104_00159_48880_4957.N1						SS1	H/H	104	48880	159	5.04
ASA_WSM_1PNPDE20110705_231815_000003123104_00159_48880_4946.N1						SS1	H/H	104	48880	159	5.04
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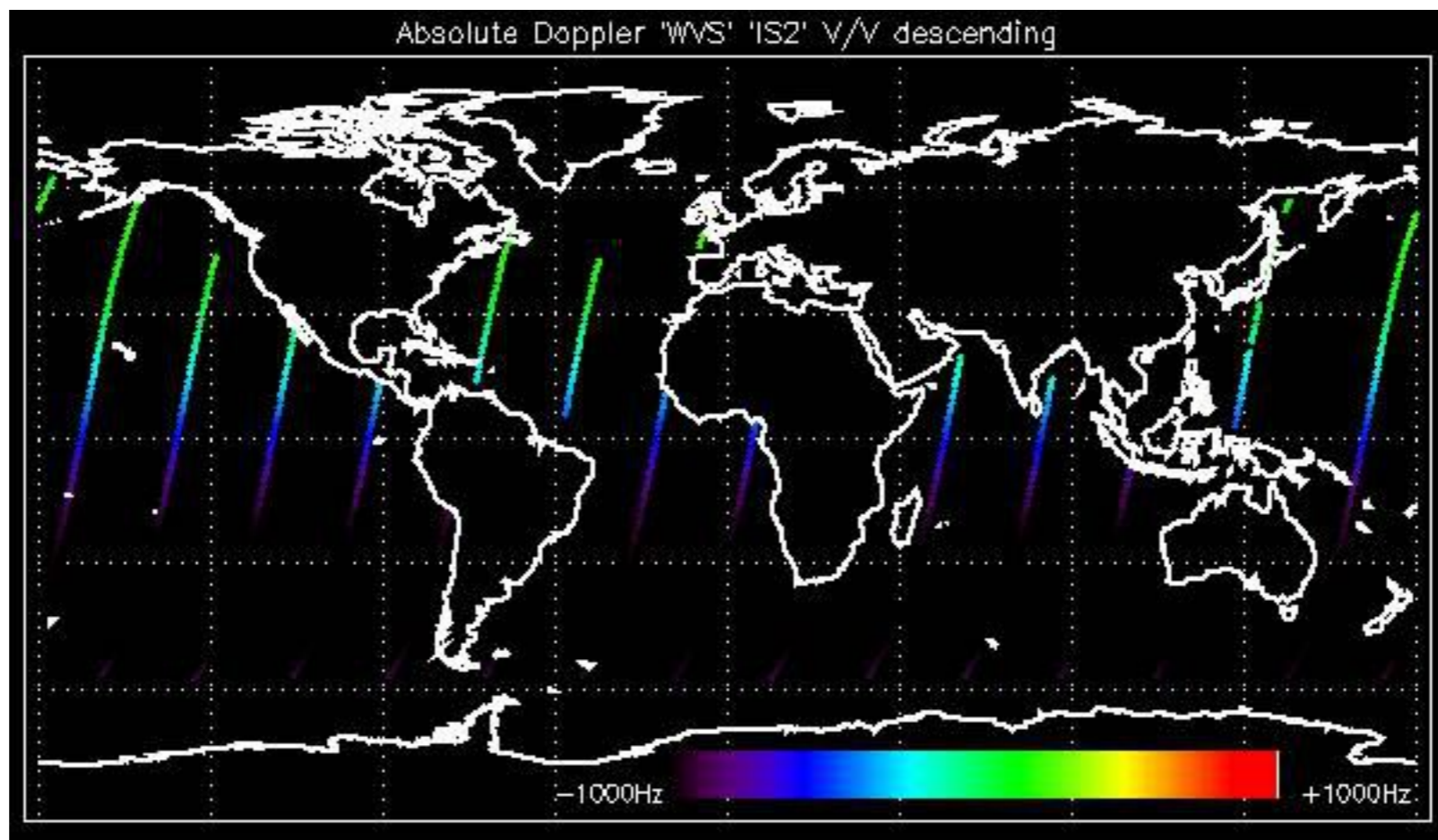
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ASA_WVS_1PNPDE20110705_000540_000015293104_00145_48866_4736.N1						IS2	V/V	104	48866	145	5.04
ASA_WVS_1PNPDE20110705_005027_000000453104_00146_48867_4738.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_005317_000001343104_00146_48867_4739.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_005733_000004923104_00146_48867_4742.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_011630_000003753104_00146_48867_4744.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_014051_000001653104_00146_48867_4746.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_014251_000002853104_00146_48867_4757.N1						IS2	V/V	104	48867	146	5.04
ASA_WVS_1PNPDE20110705_015821_000005993104_00147_48868_4768.N1						IS2	V/V	104	48868	147	5.04
ASA_WVS_1PNPDE20110705_024848_000004793104_00147_48868_4769.N1						IS2	V/V	104	48868	147	5.04
ASA_WVS_1PNPDE20110705_025633_000003903104_00147_48868_4776.N1						IS2	V/V	104	48868	147	5.04
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ASA_WVS_1PNPDE20110705_033723_000001043104_00148_48869_4784.N1						IS2	V/V	104	48869	148	5.04
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ASA_WVS_1PNPDE20110705_043728_000001353104_00148_48869_4803.N1						IS2	V/V	104	48869	148	5.04
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ASA_WVS_1PNPDE20110705_060148_000010343104_00149_48870_4815.N1						IS2	V/V	104	48870	149	5.04
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ASA_WVS_1PNPDK20110705_092637_000010493104_00151_48872_7712.N1						IS2	V/V	104	48872	151	5.04
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ASA_WVS_1PNPDK20110705_105403_000000603104_00152_48873_7737.N1						IS2	V/V	104	48873	152	5.04
ASA_WVS_1PNPDK20110705_110454_000011543104_00152_48873_7740.N1						IS2	V/V	104	48873	152	5.04
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ASA_WVS_1PNPDK20110705_132106_000003153104_00153_48874_7768.N1						IS2	V/V	104	48874	153	5.04
ASA_WVS_1PNPDK20110705_133851_000005343104_00154_48875_7775.N1						IS2	V/V	104	48875	154	5.04
ASA_WVS_1PNPDK20110705_141424_000006143104_00154_48875_7796.N1						IS2	V/V	104	48875	154	5.04
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ASA_WVS_1PNPDK20110705_151051_000002693104_00154_48875_7805.N1						IS2	V/V	104	48875	154	5.04
ASA_WVS_1PNPDK20110705_160439_000012143104_00155_48876_7819.N1						IS2	V/V	104	48876	155	5.04
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ASA_WVS_1PNPDK20110705_182608_000009743104_00156_48877_7852.N1						IS2	V/V	104	48877	156	5.04
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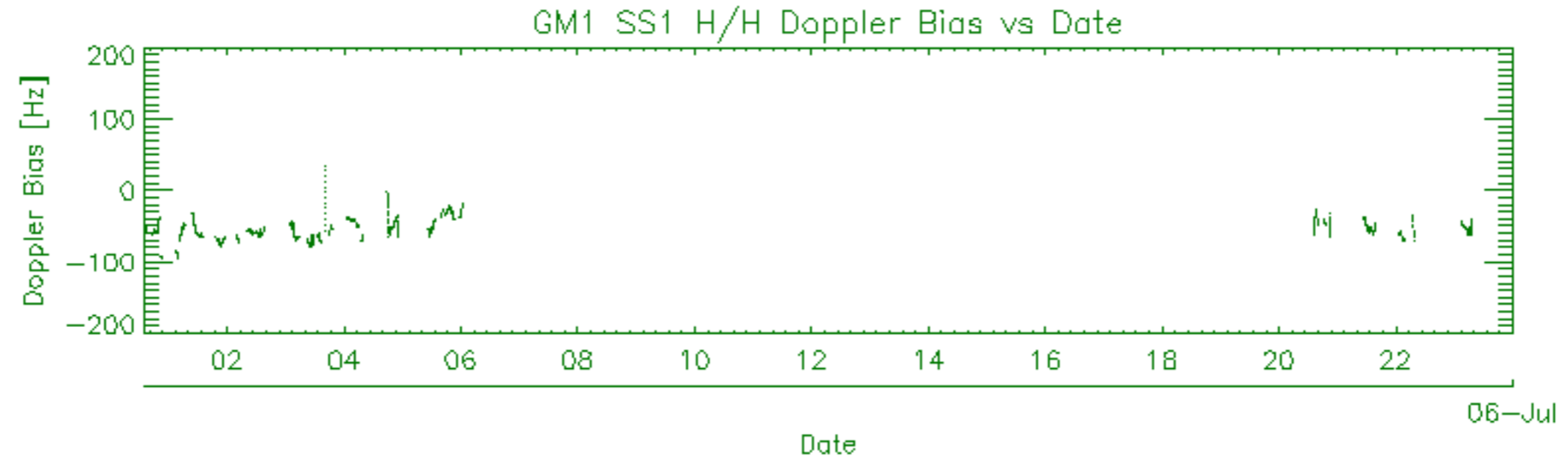
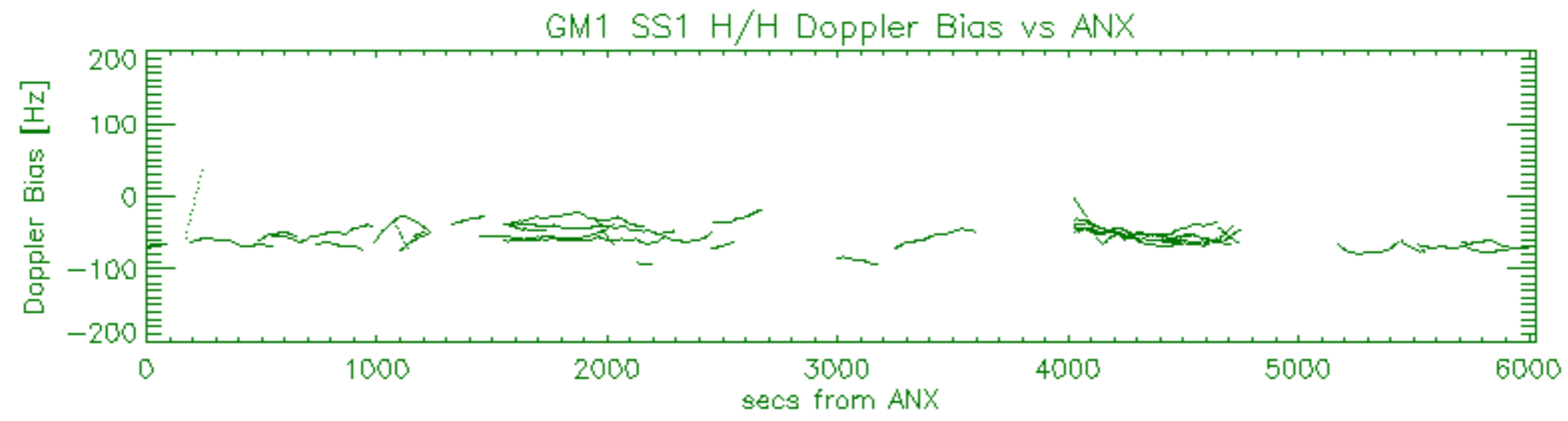
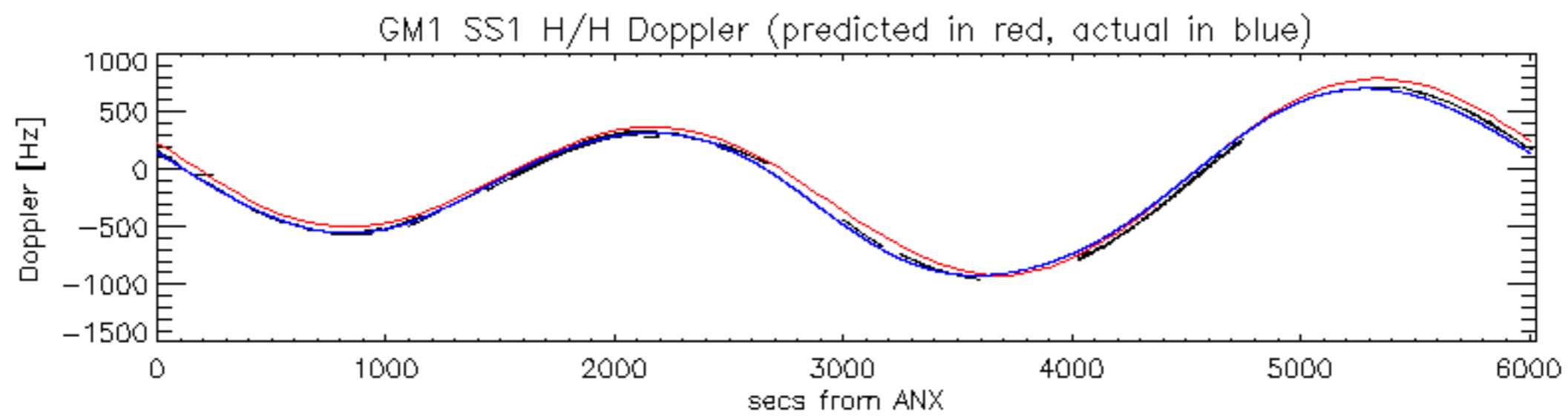


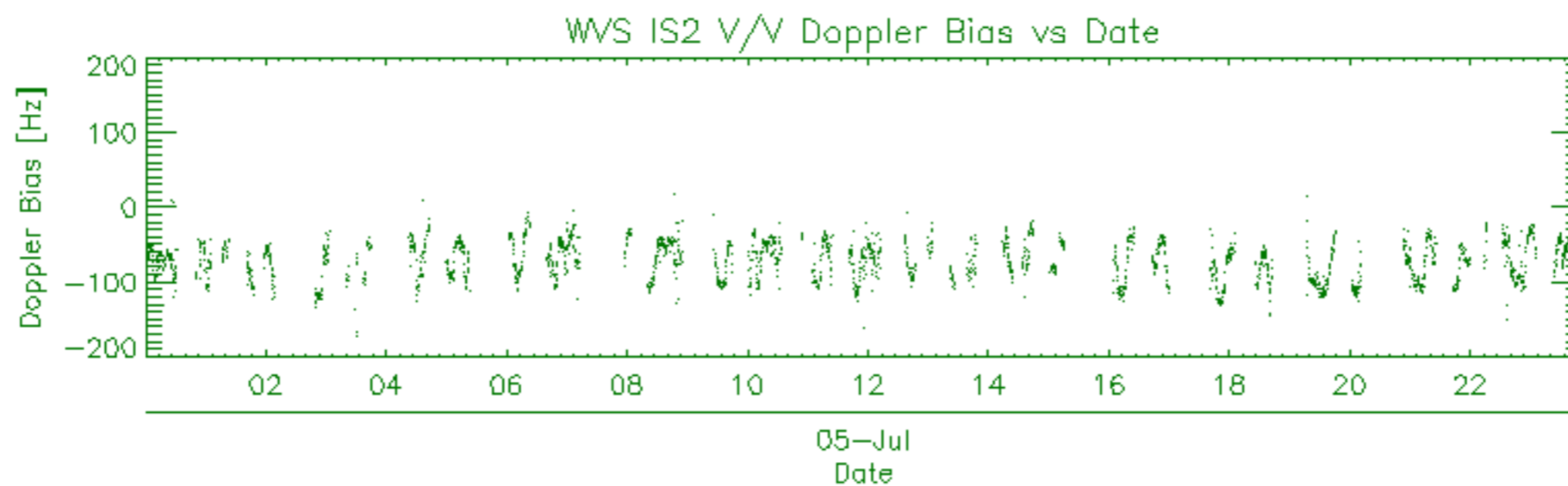
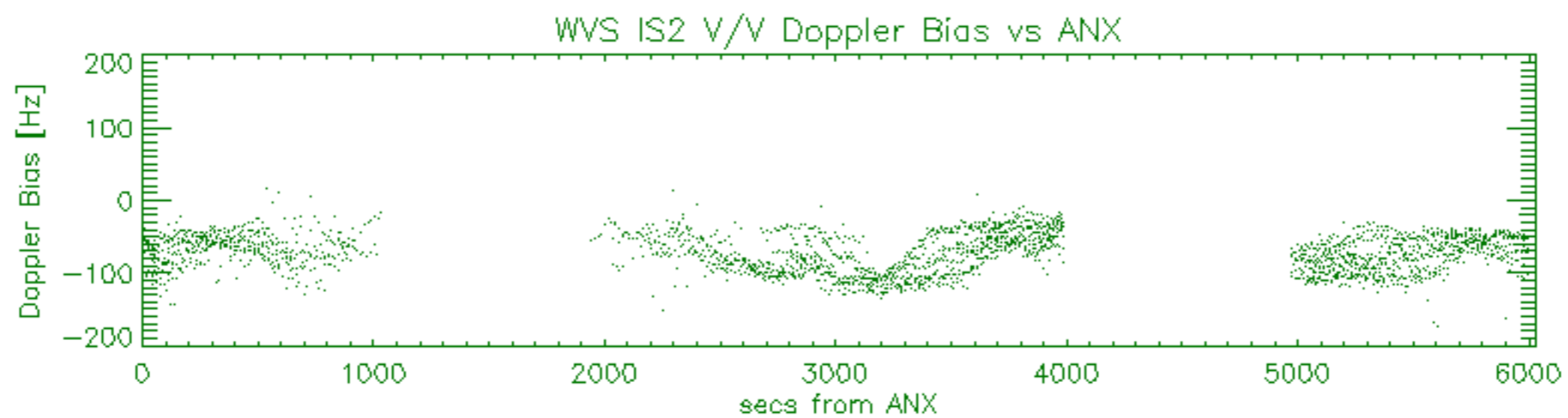
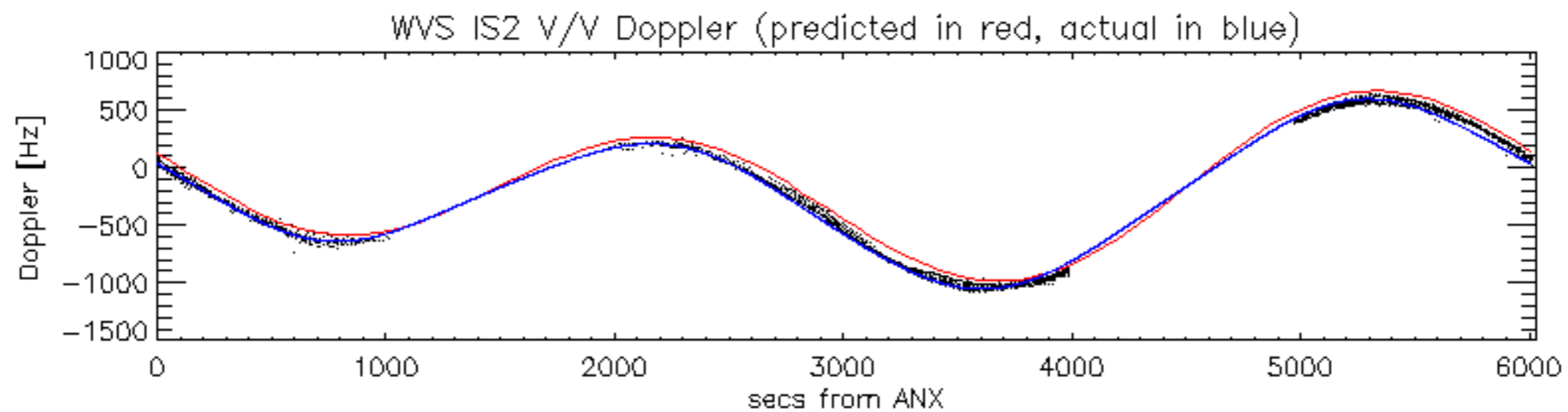


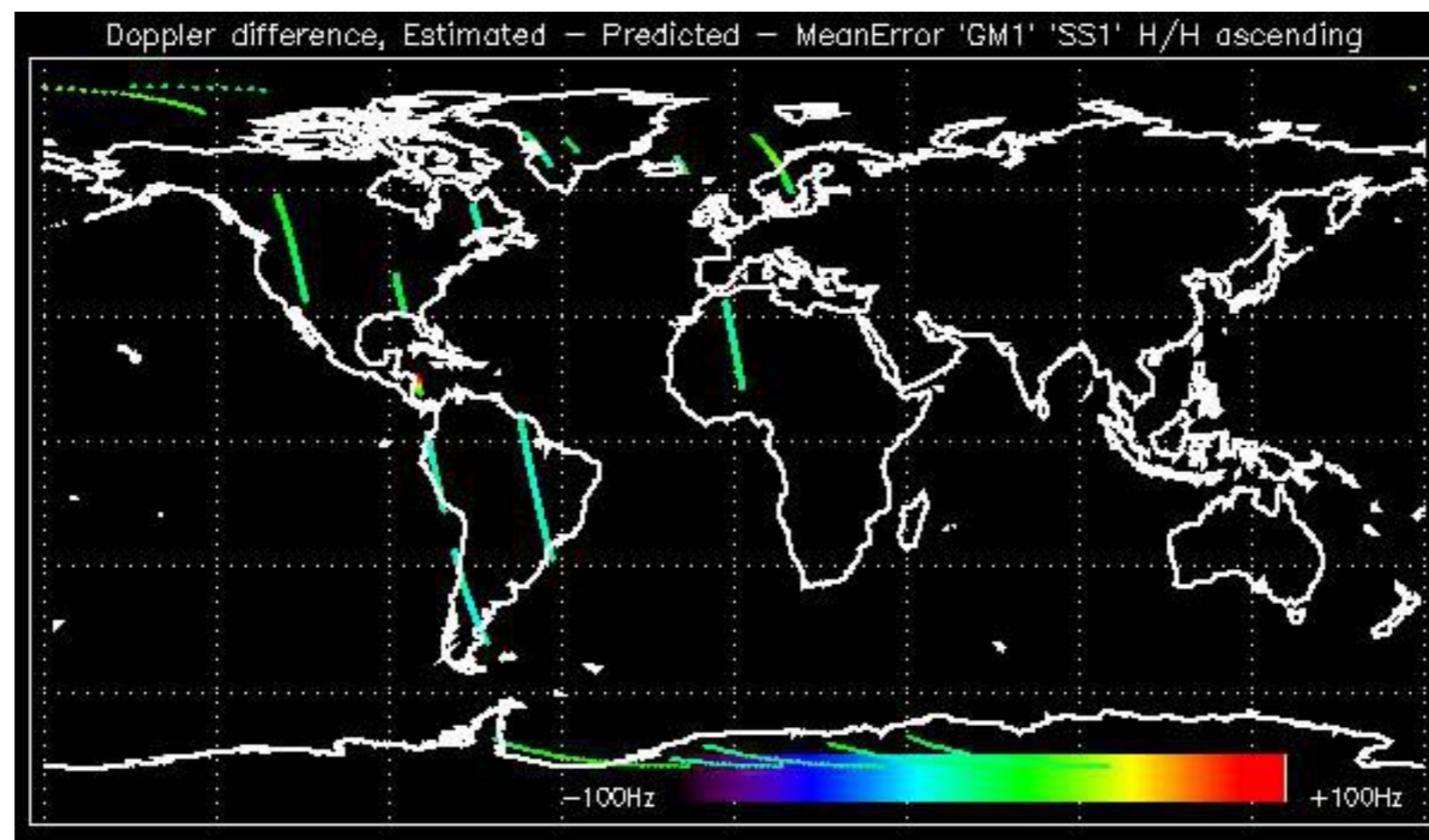


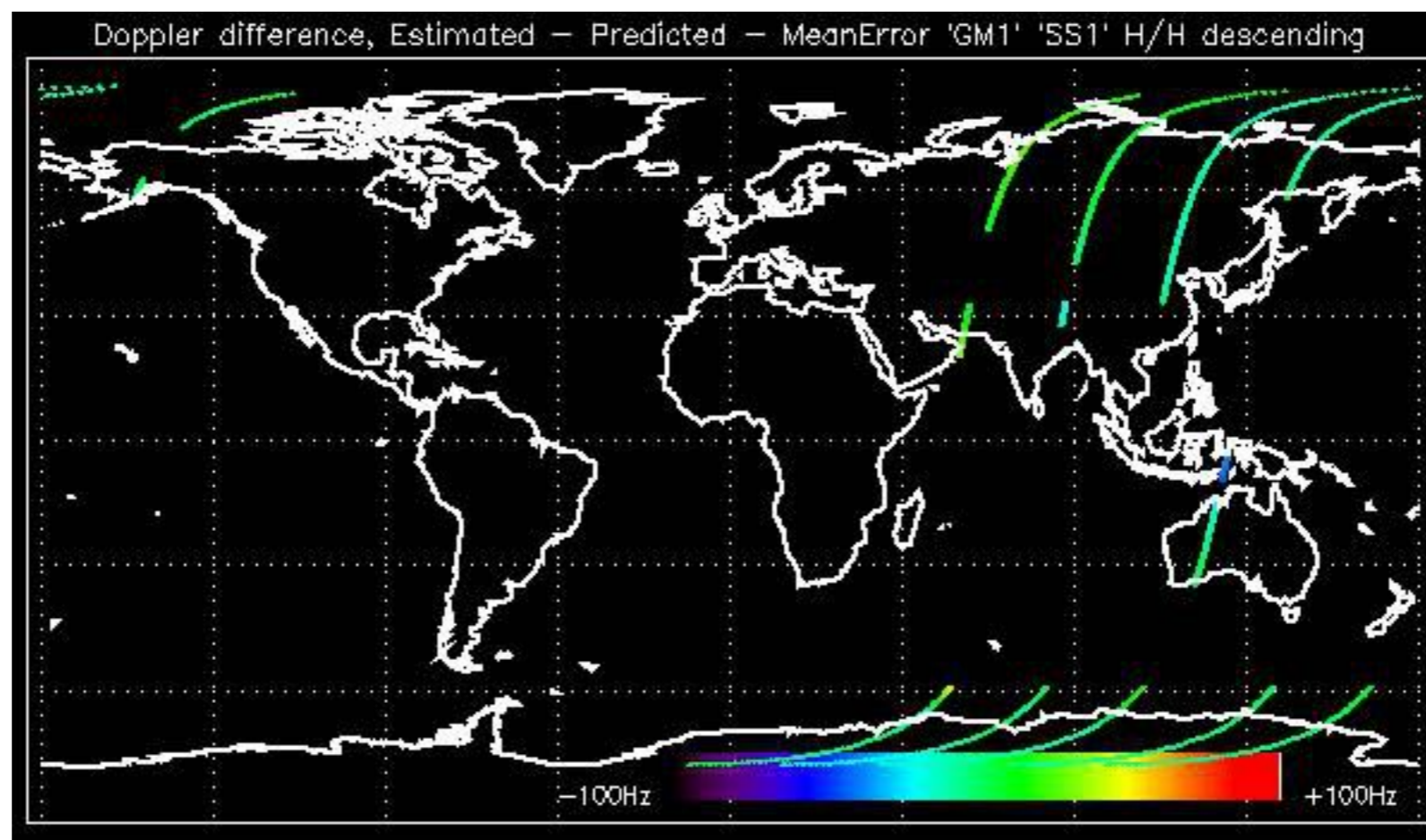


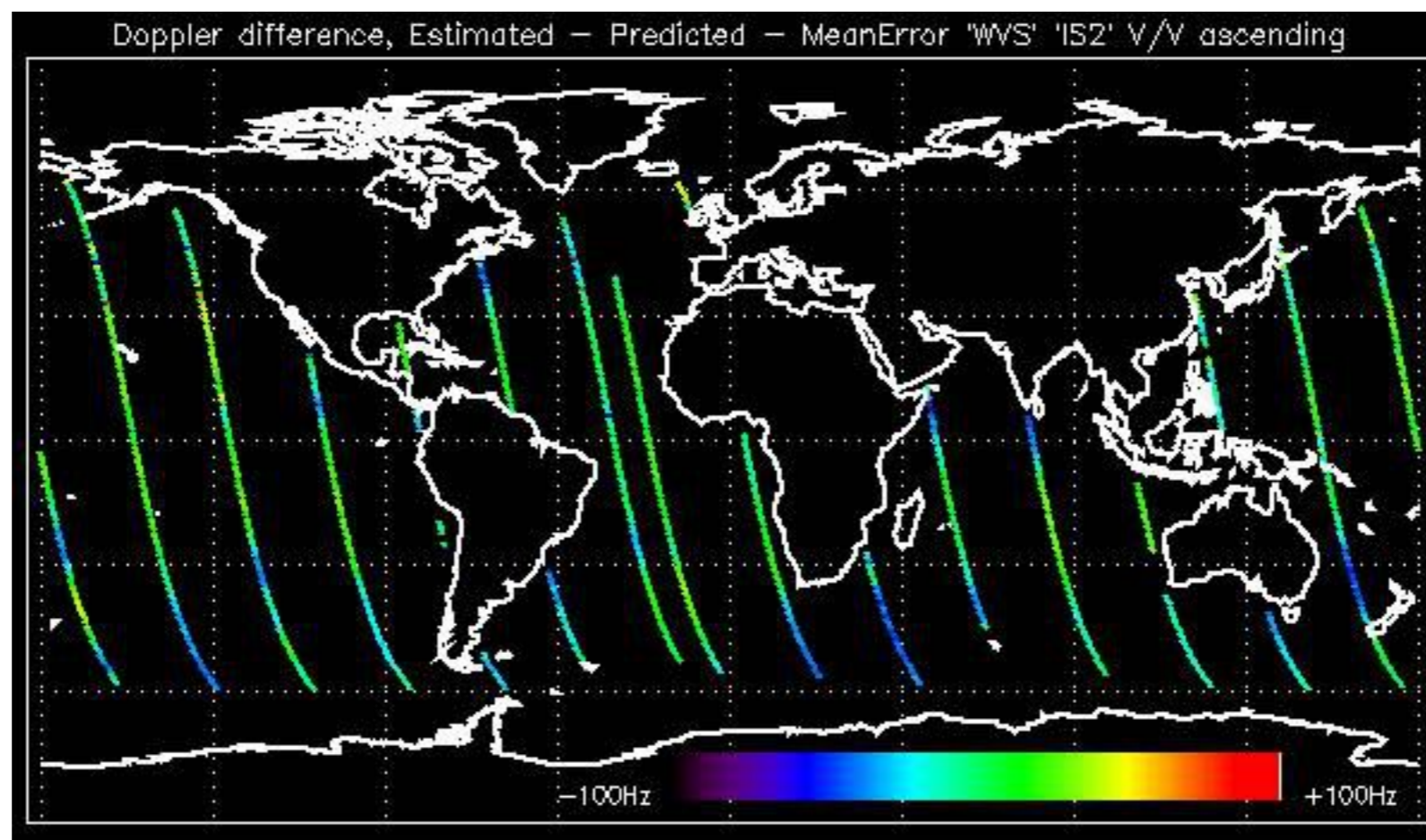




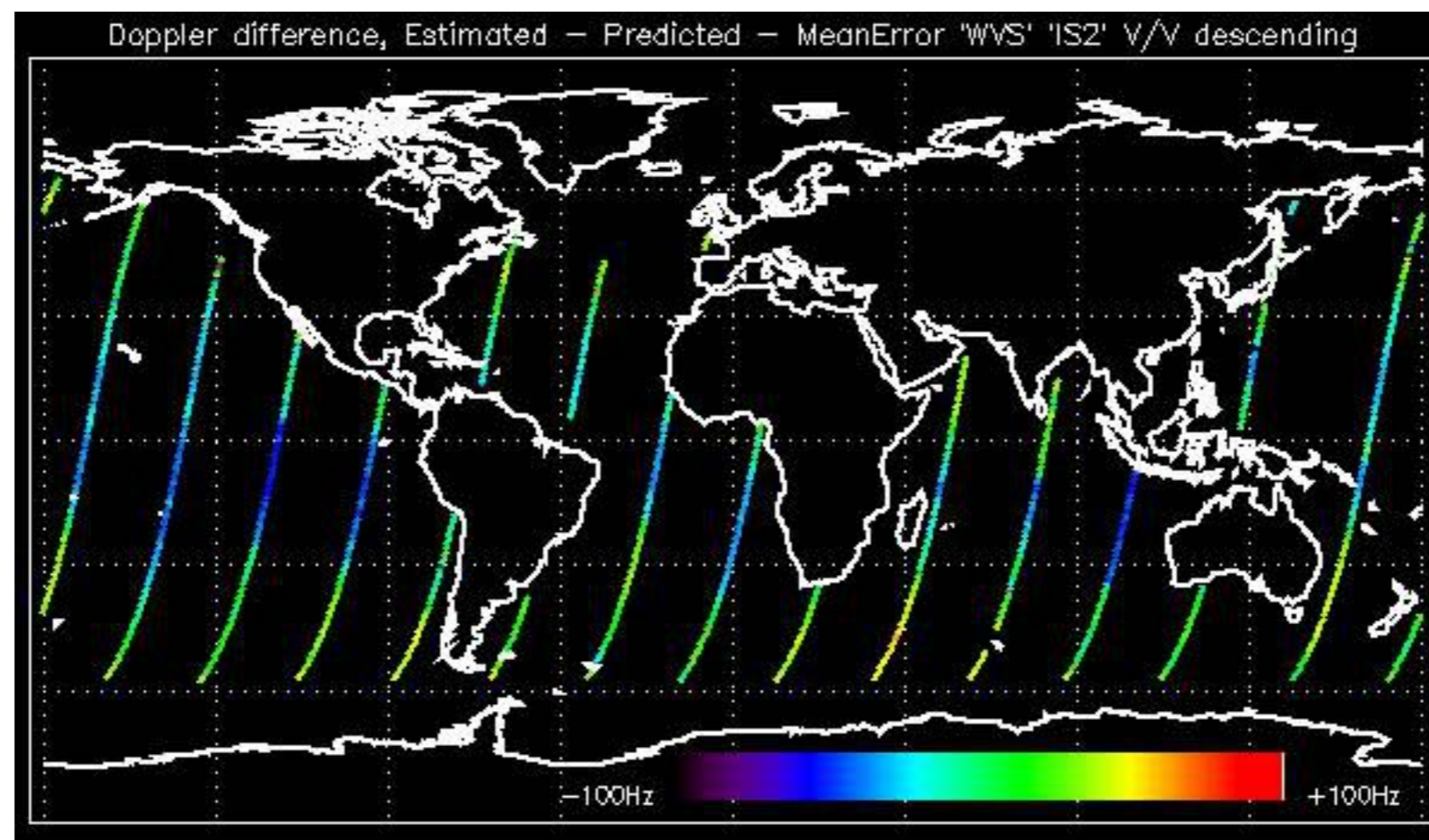


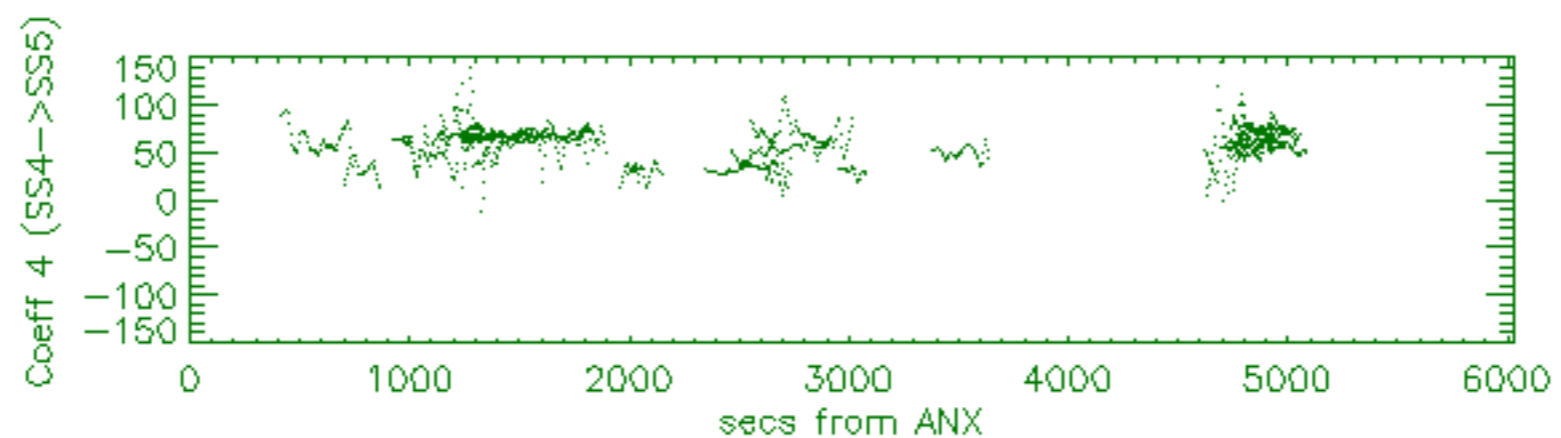
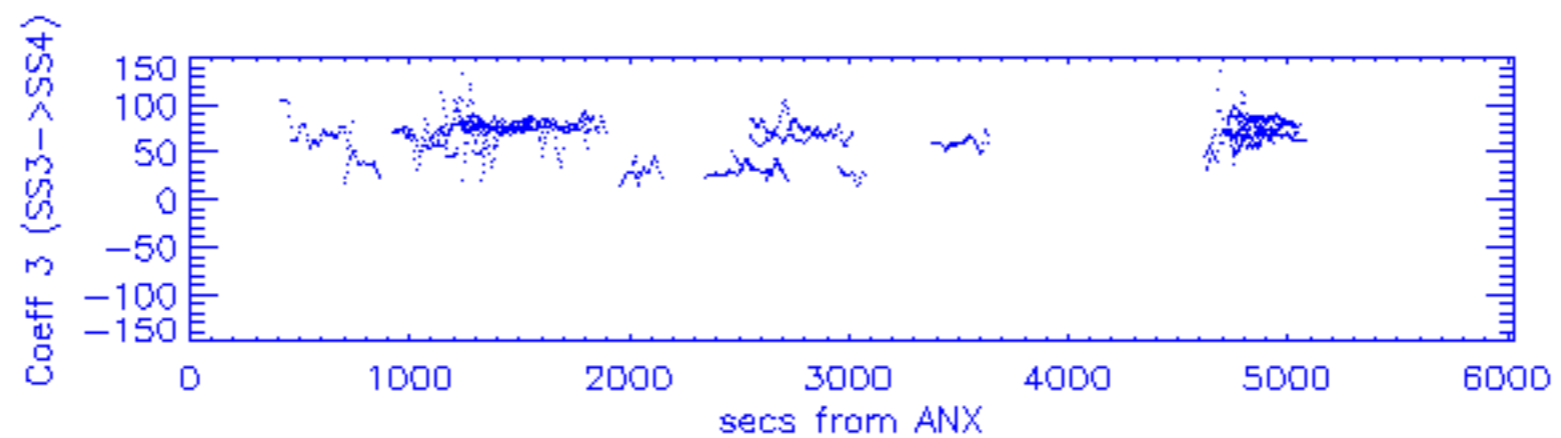
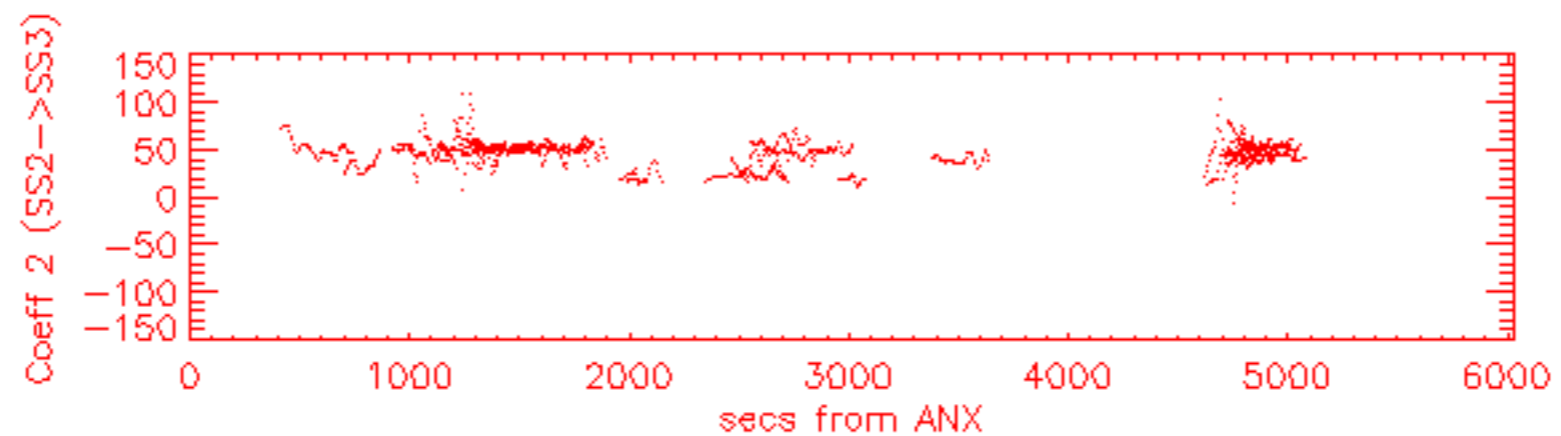
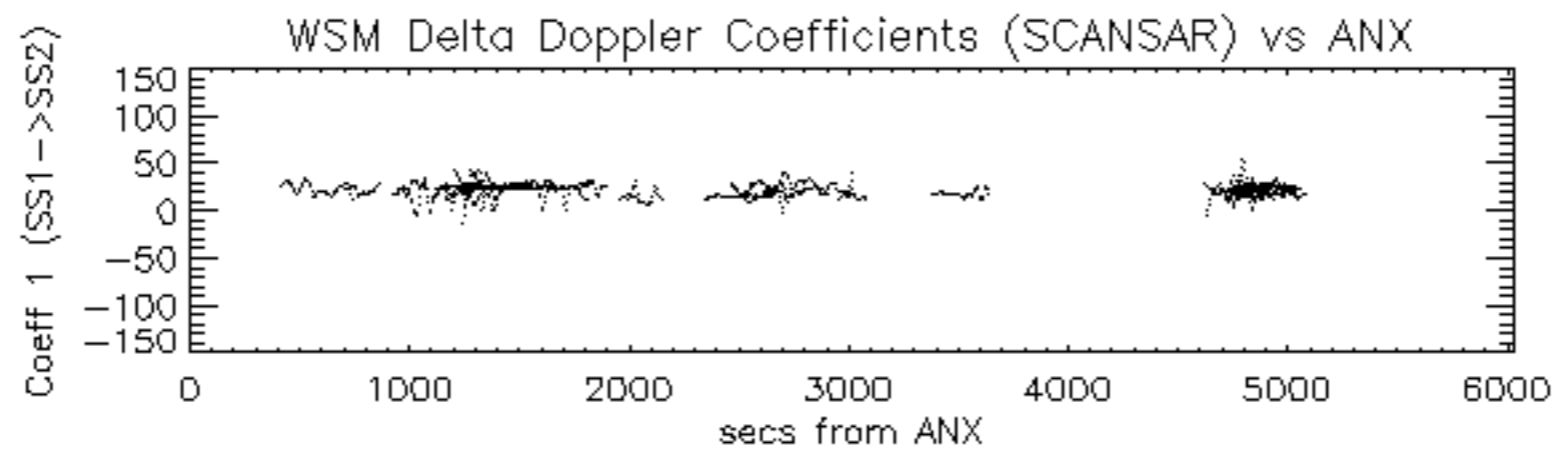


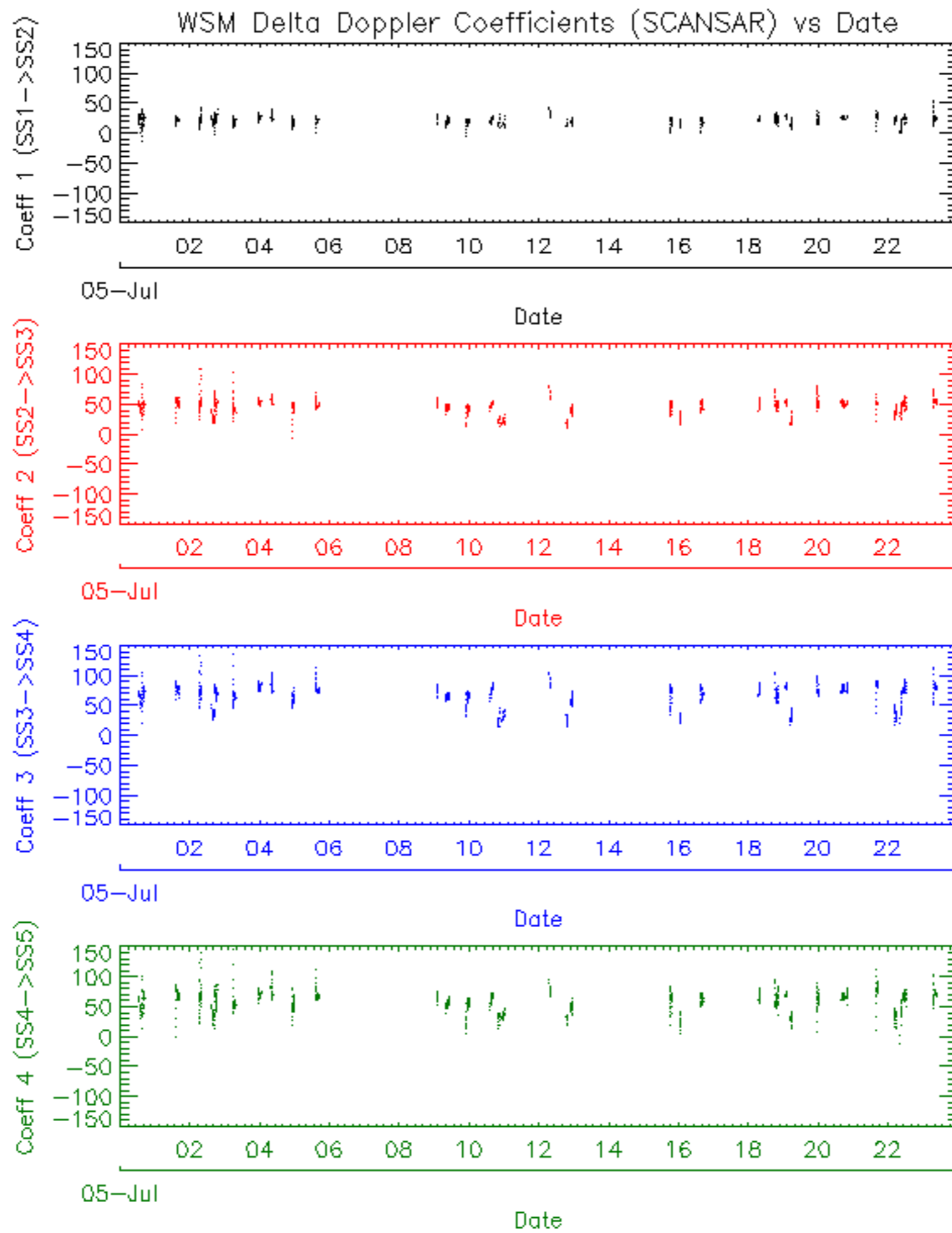




















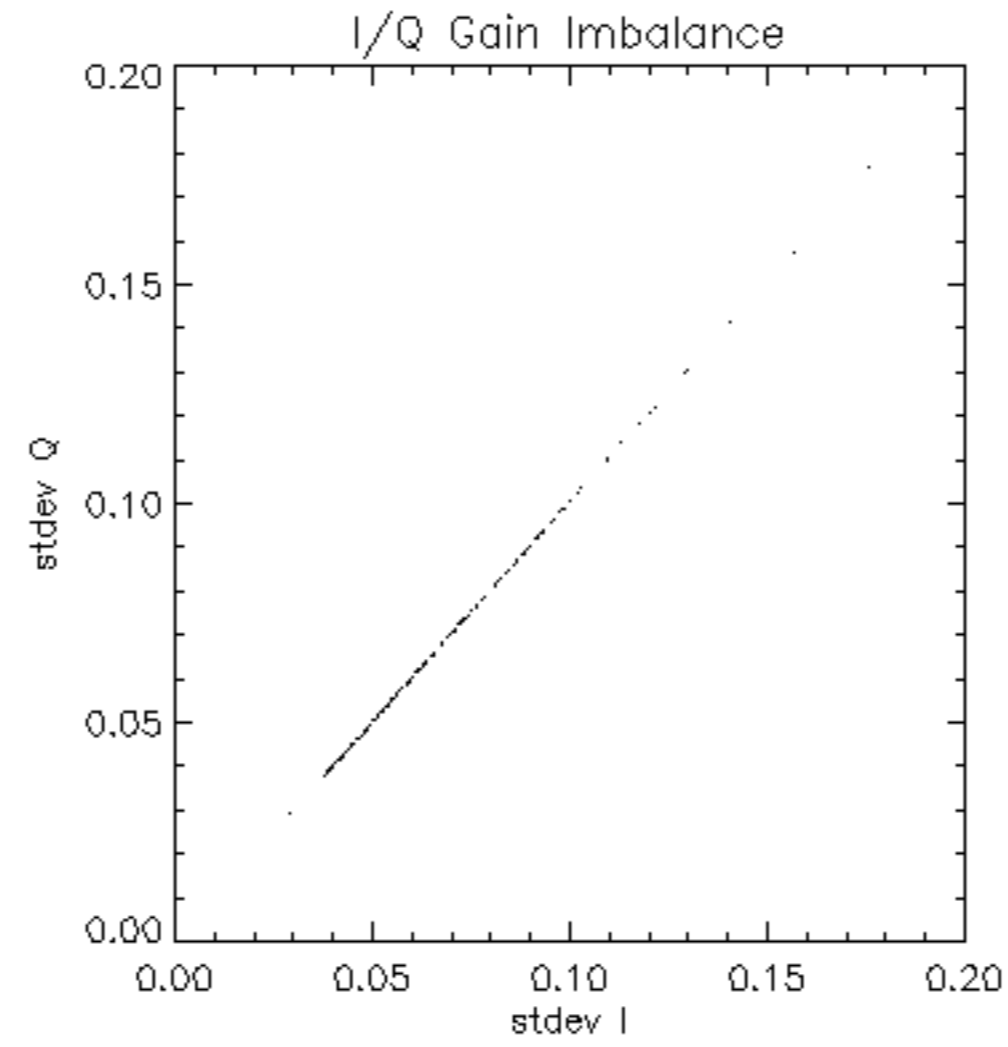


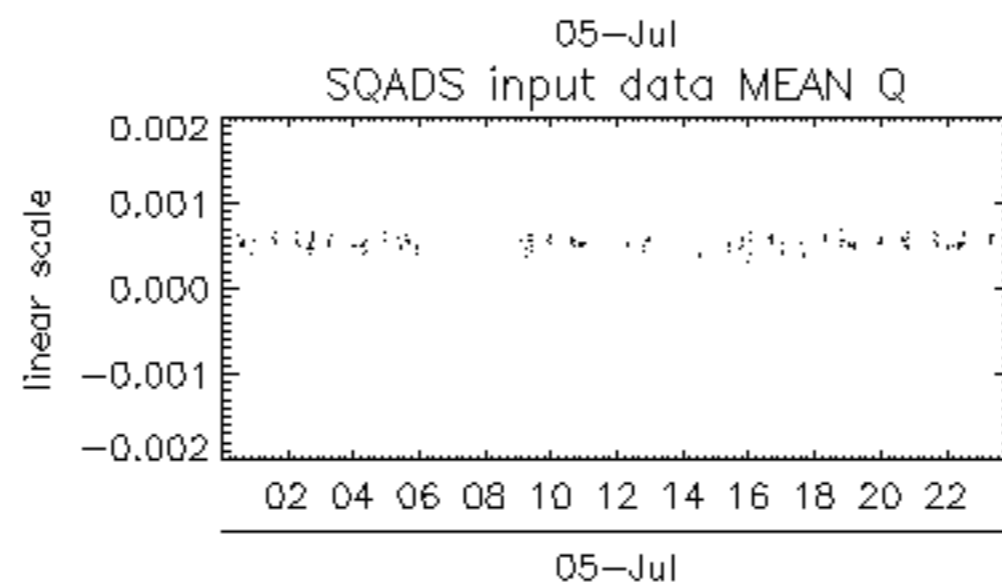
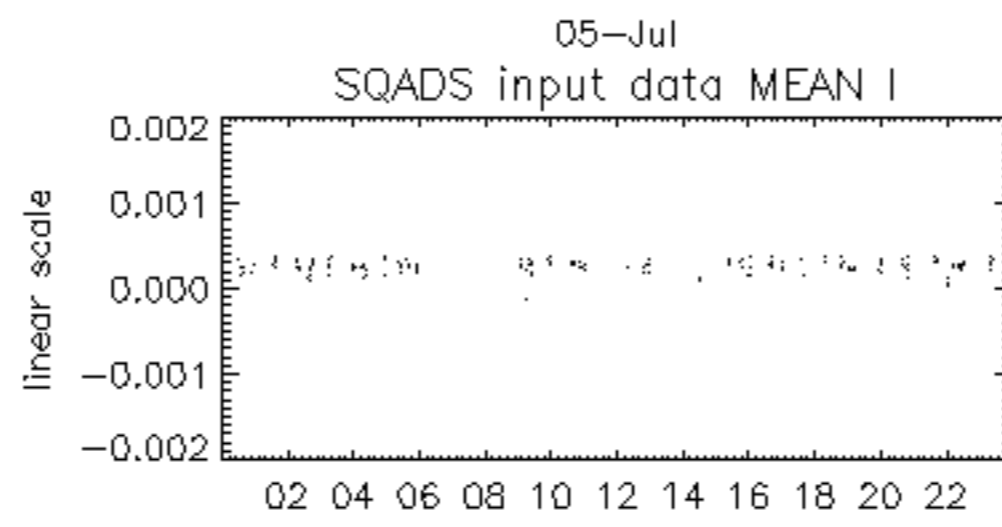
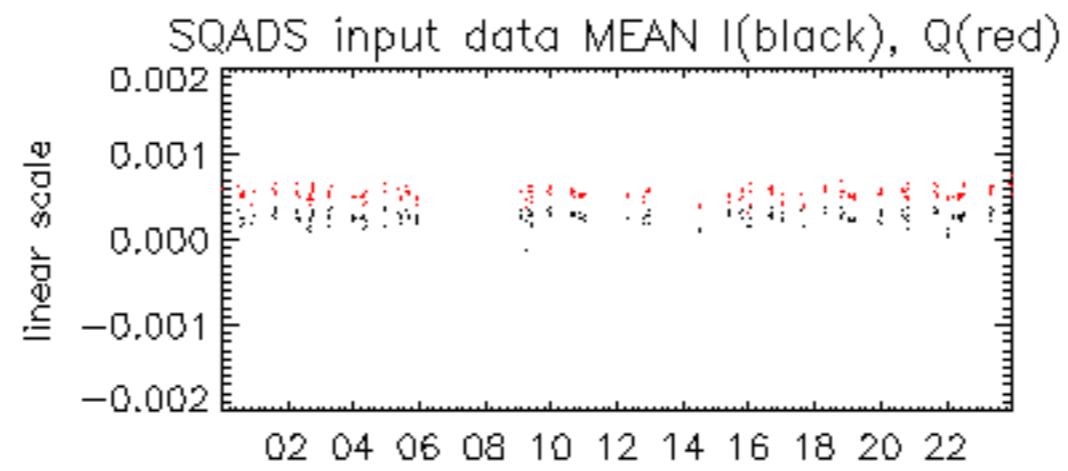


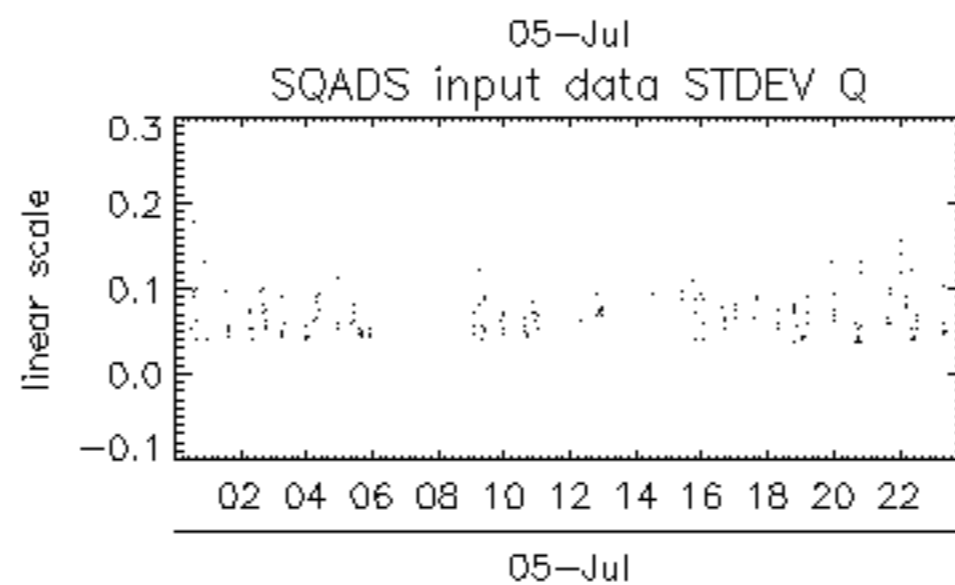
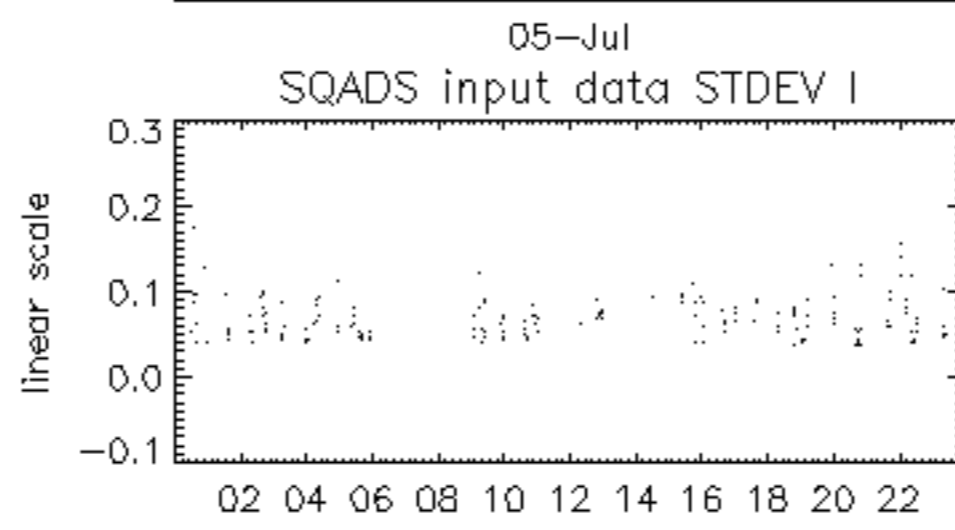
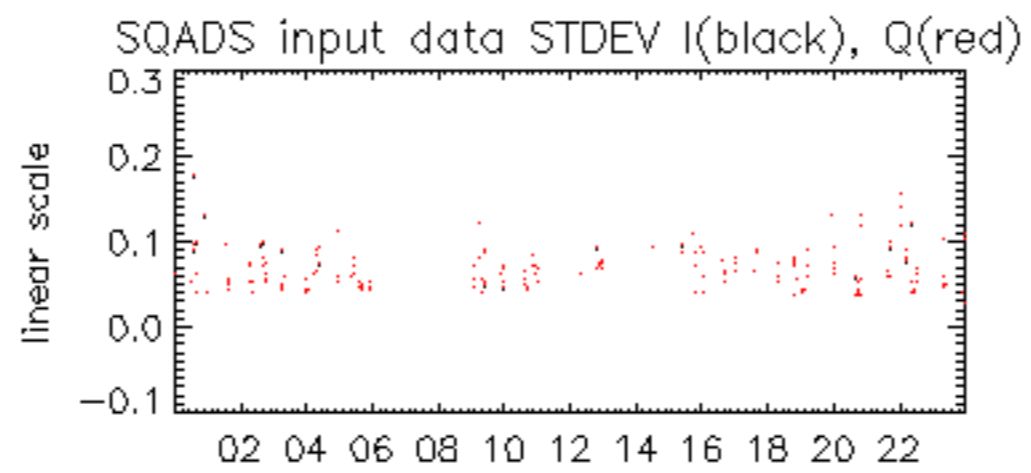


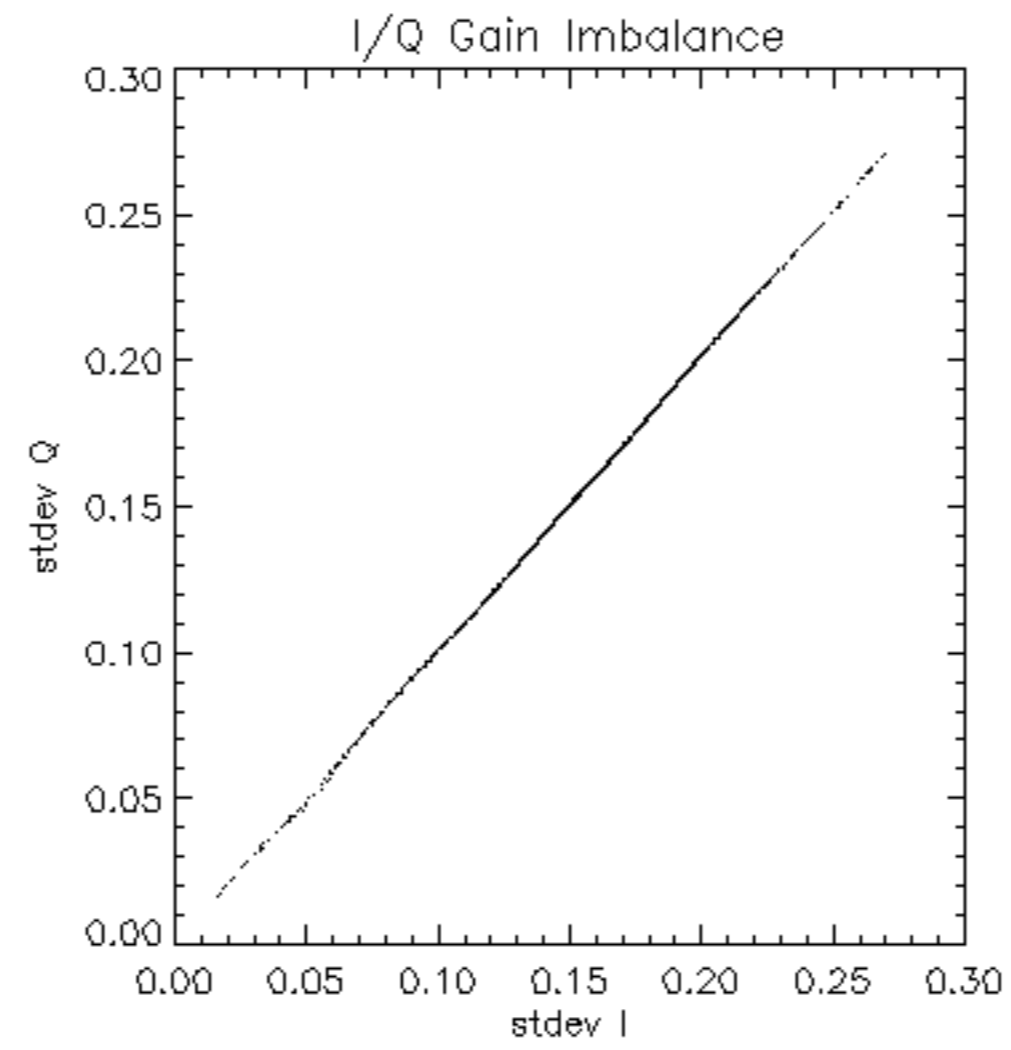


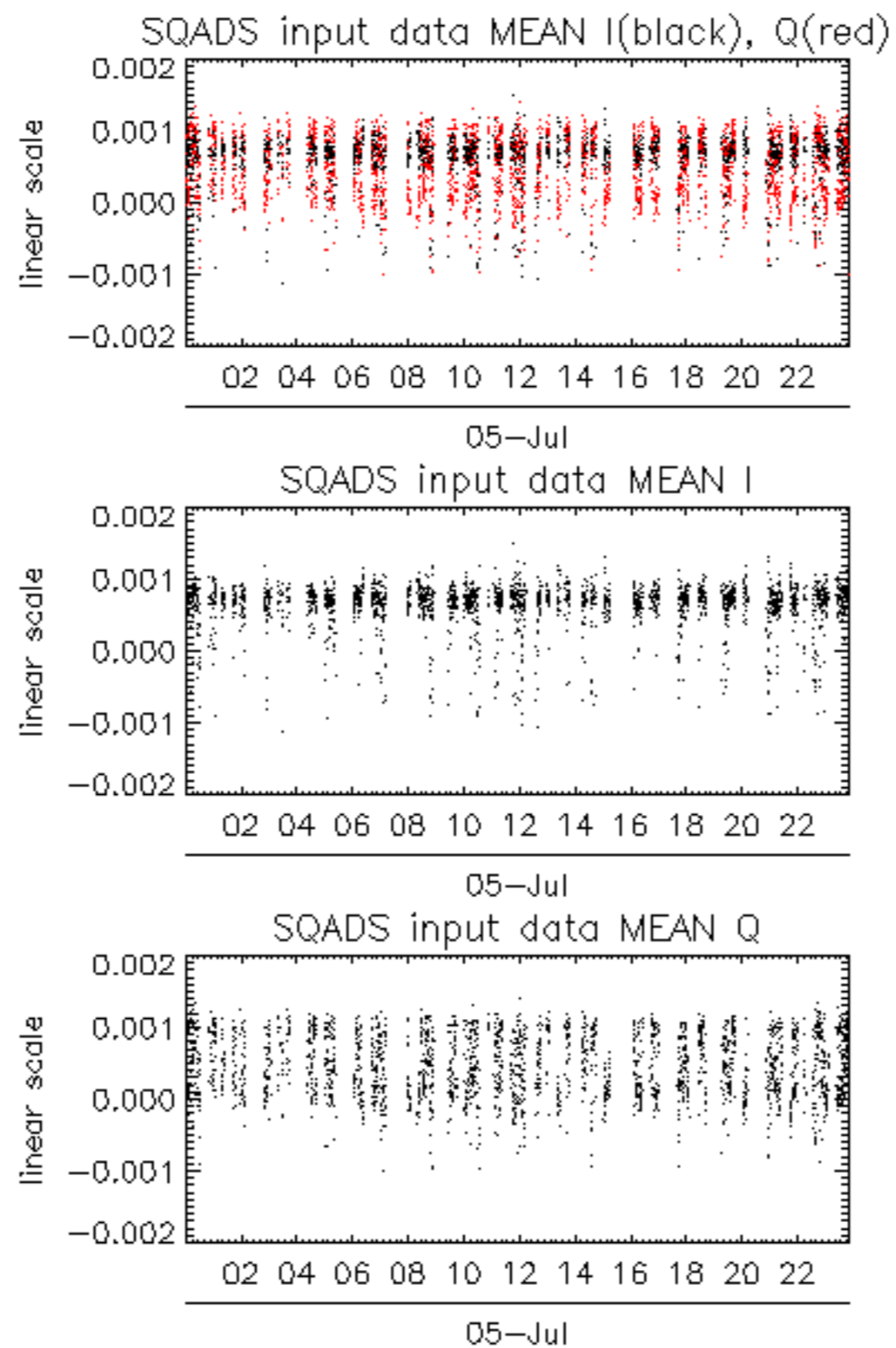




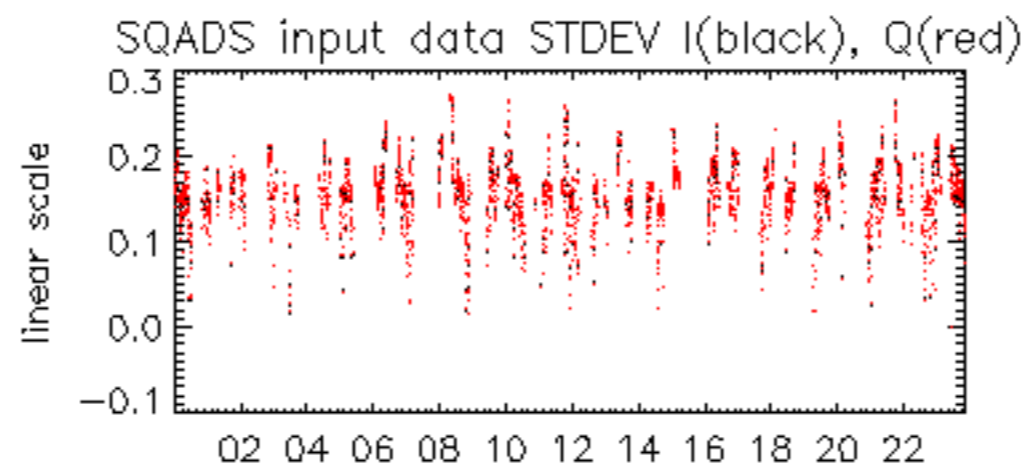




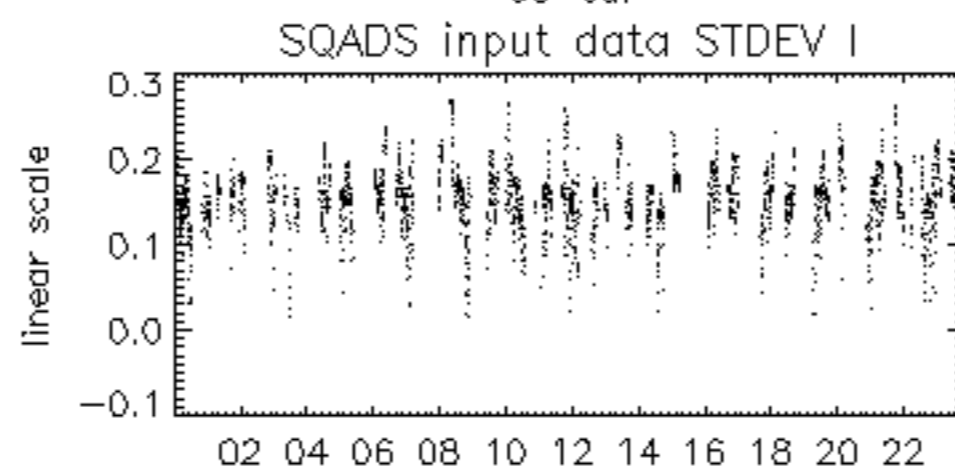




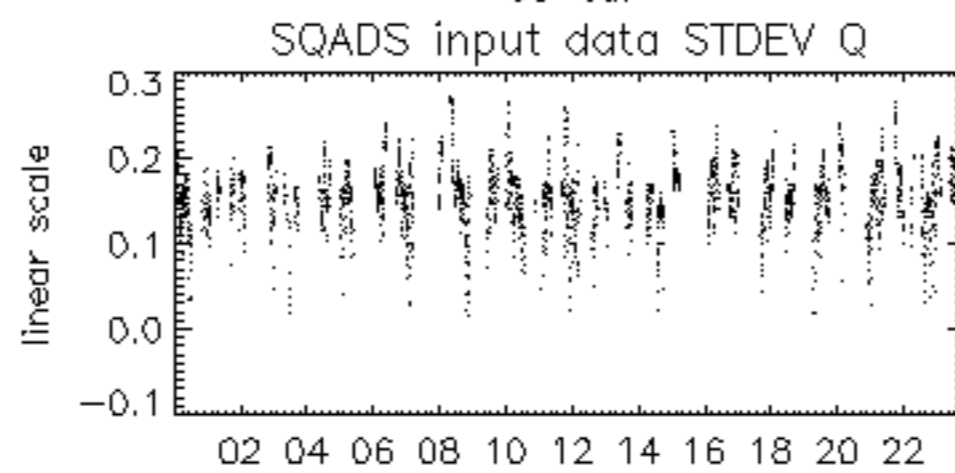




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