



Analysis from 20-OCT-2011 00:00:00 to 20-OCT-2011 23:59:59. Page generated on 21-OCT-2011 06:32:08.  
View log file: ASAR\_Daily\_Report\_20111021\_0631.log. For any anomalies please contact emma.hatton@vegaspace.com, kajal.haria@vegaspace.com.

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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	28	PDE	IS1	H/H	1	PDE	IS2	V/V	1	PDE	WS	H/H	13	PDE	2011-10-20 07:08:26	H	320
PDE	IS2	V/V	19	PDK	WS	H/H	54	PDE	IS2	H/H	1	PDE	IS6	H/H	3	PDE	WS	V/V	3	PDK	2011-10-20 07:42:20	V	320
PDK	IS2	V/V	22					PDE	IS4	H/H	2					PDK	WS	H/H	7				
								PDE	IS4	V/H	1					PDK	WS	V/V	2				
								PDE	IS4	V/V	1												

## 1.2 - Lists of products used

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[\[TXT\]](#) [\[XLS\]](#) List\_WVS\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_GM1\_products\_used  
[\[TXT\]](#) [\[XLS\]](#) List\_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

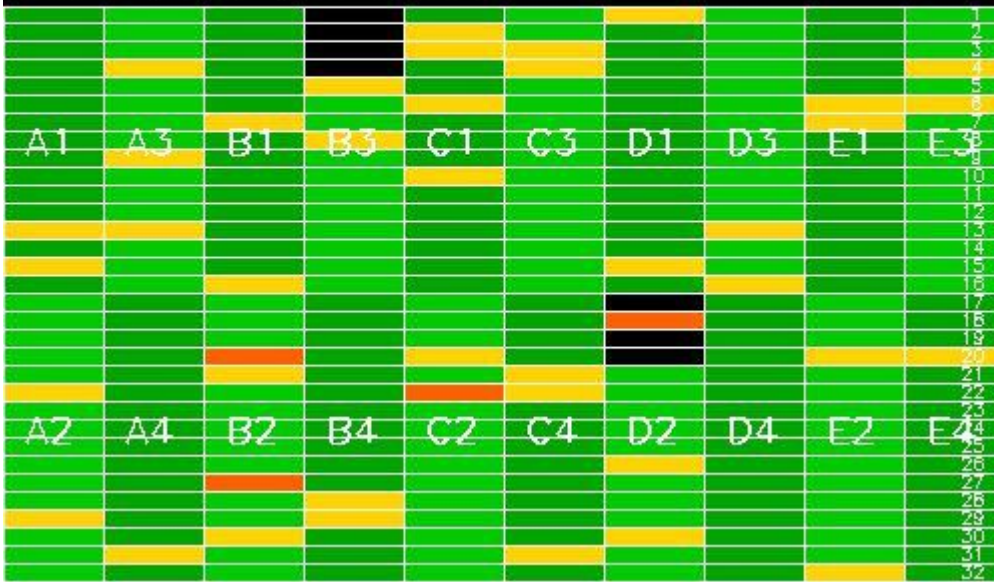
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_WVS  
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_GM1  
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_APM  
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_IMM  
[\[TXT\]](#) [\[XLS\]](#) Check\_ADFs\_WSM

## 3 - MODULE STEPPING PRODUCTS ANALYSIS

SECOND FIXED REFERENCE

Pre-launch reference (2001-02-09)

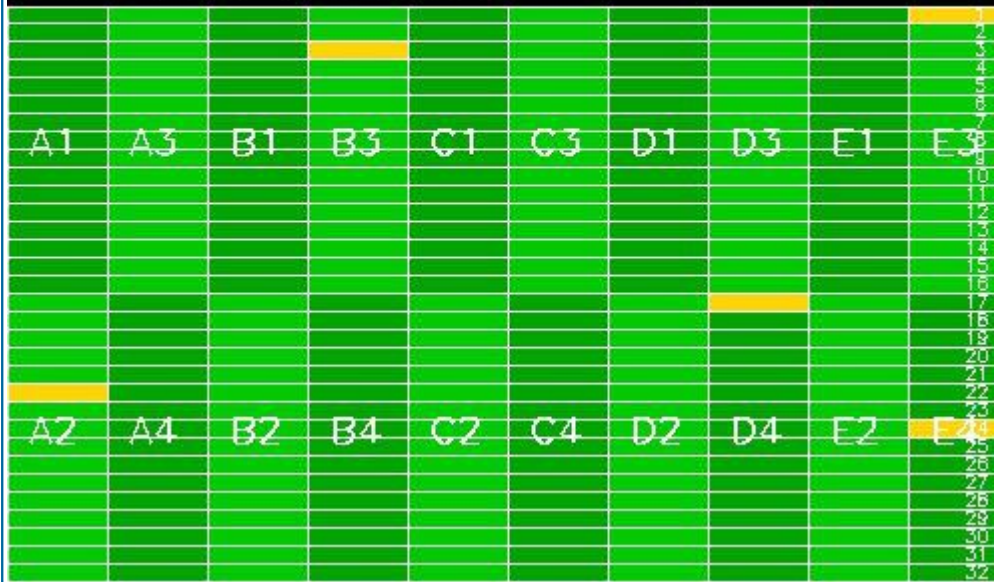
Reference: 2001-02-09 14:08:23 V RxGain  
 Test : 2011-10-20 07:42:20 V



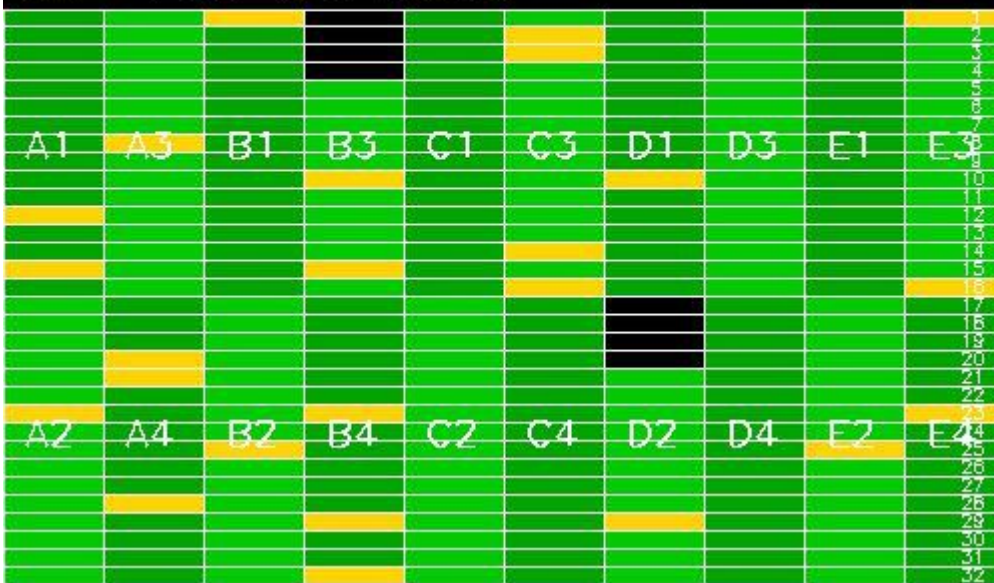
PREVIOUS PRODUCT REFERENCE

Previous product in the same polarisation

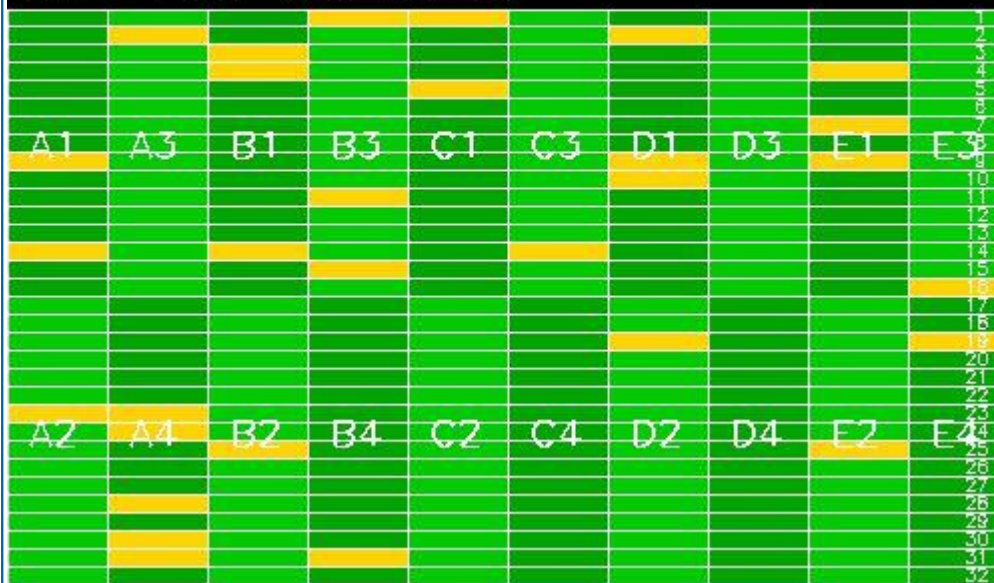
Reference: 2011-10-19 08:19:05 V RxGain  
 Test : 2011-10-20 07:42:20 V

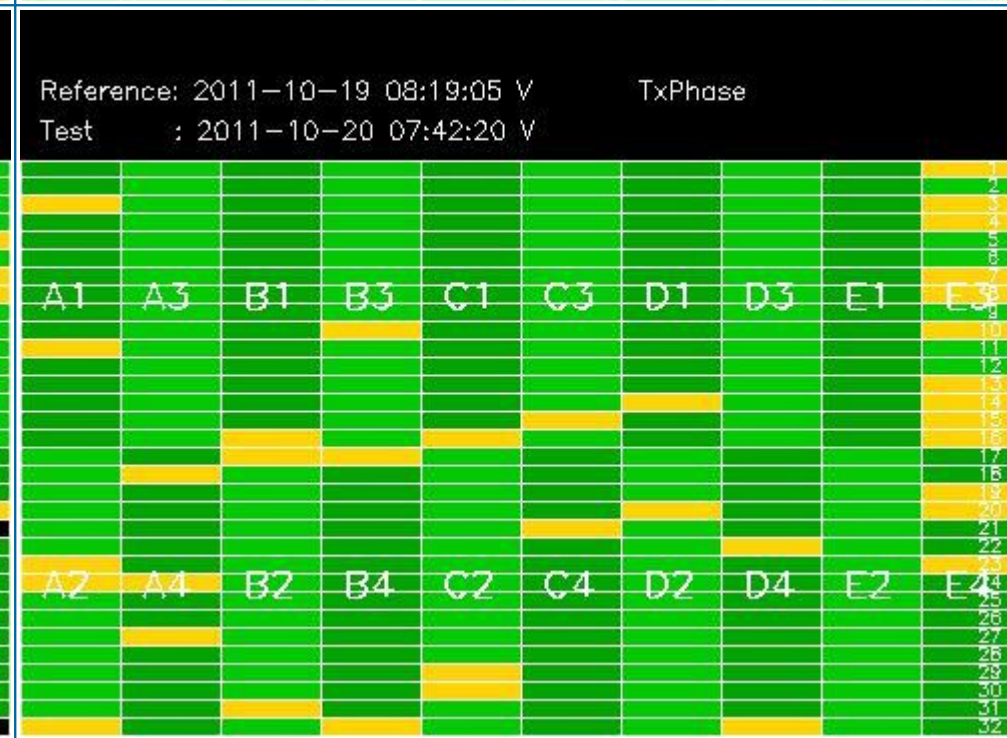
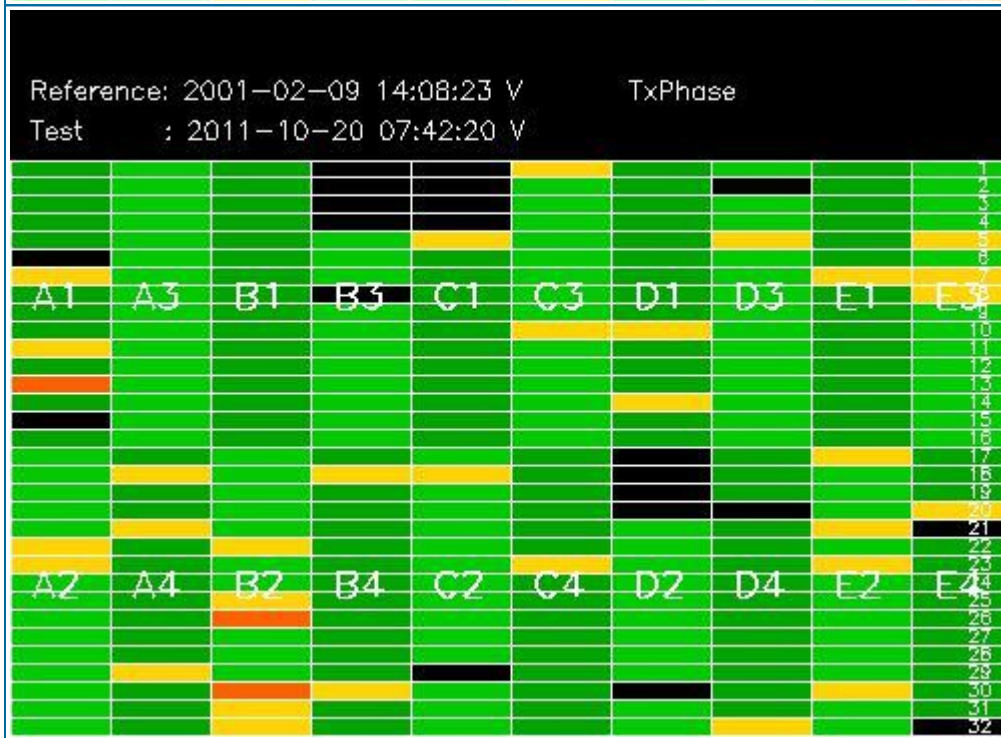
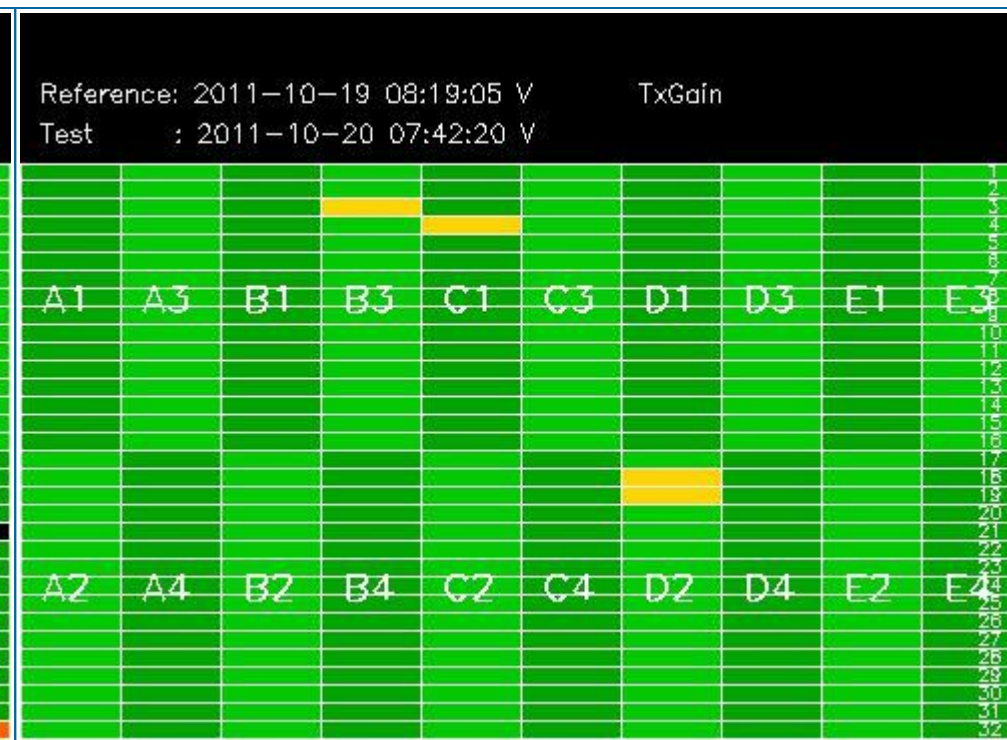
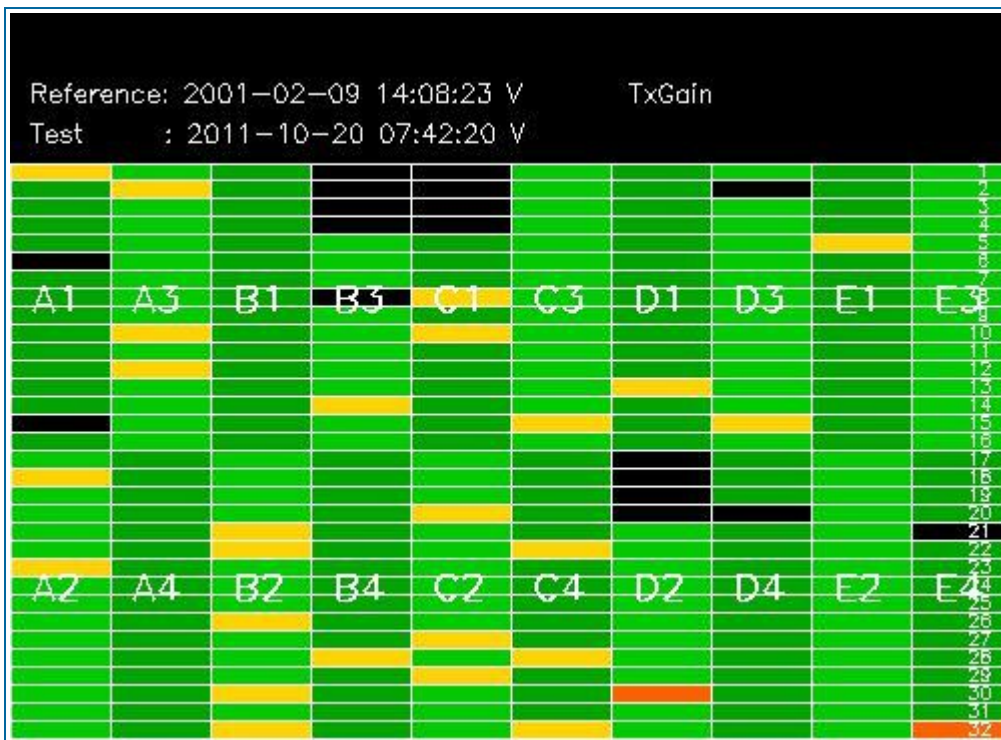


Reference: 2001-02-09 14:08:23 V RxPhase  
 Test : 2011-10-20 07:42:20 V



Reference: 2011-10-19 08:19:05 V RxPhase  
 Test : 2011-10-20 07:42:20 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

Reference: 2001-02-09 13:50:42 H RxGain  
 Test : 2011-10-20 07:08:26 H



Reference: 2011-10-19 06:38:51 H RxGain  
 Test : 2011-10-20 07:08:26 H

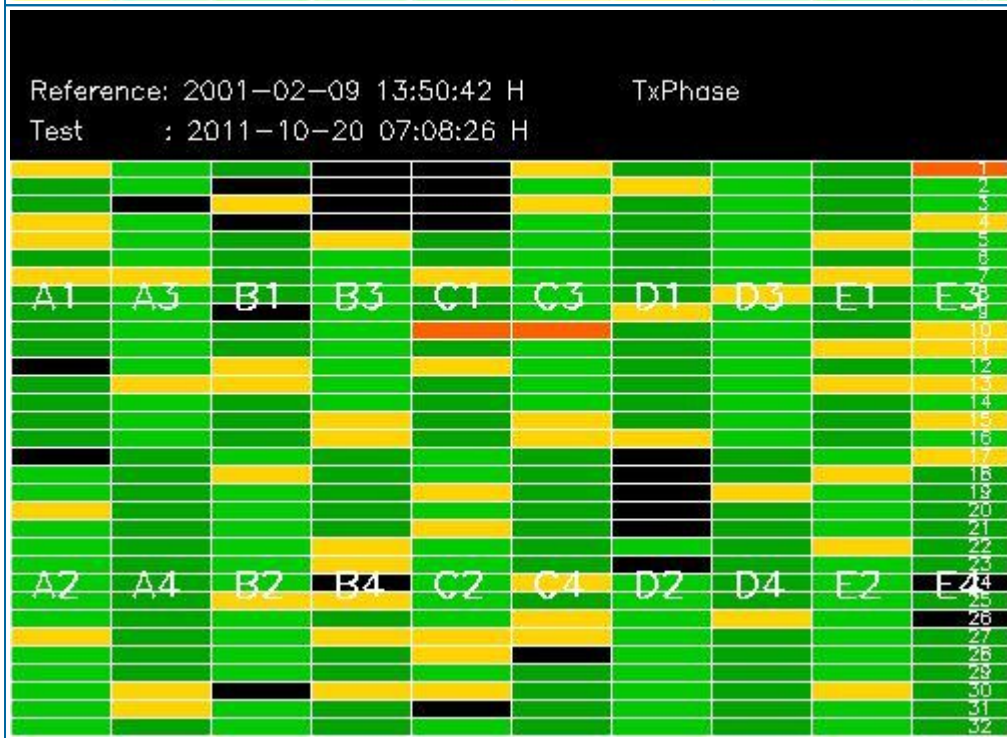
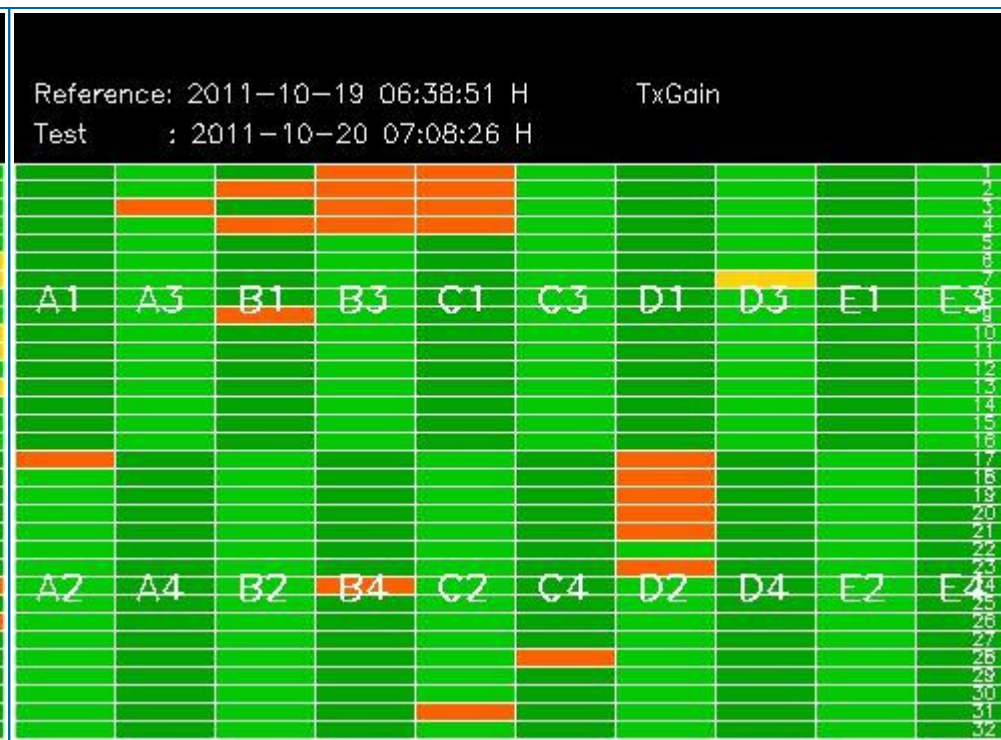
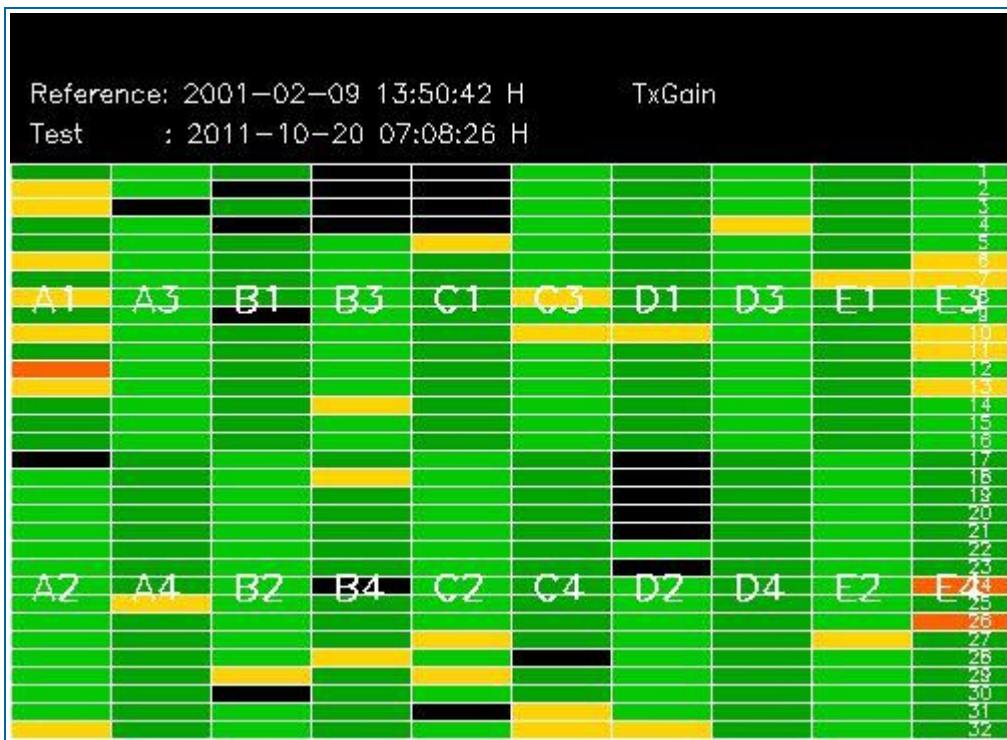


Reference: 2001-02-09 13:50:42 H RxPhase  
 Test : 2011-10-20 07:08:26 H



Reference: 2011-10-19 06:38:51 H RxPhase  
 Test : 2011-10-20 07:08:26 H





## 4 - CALIBRATION PULSES ANALYSIS

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

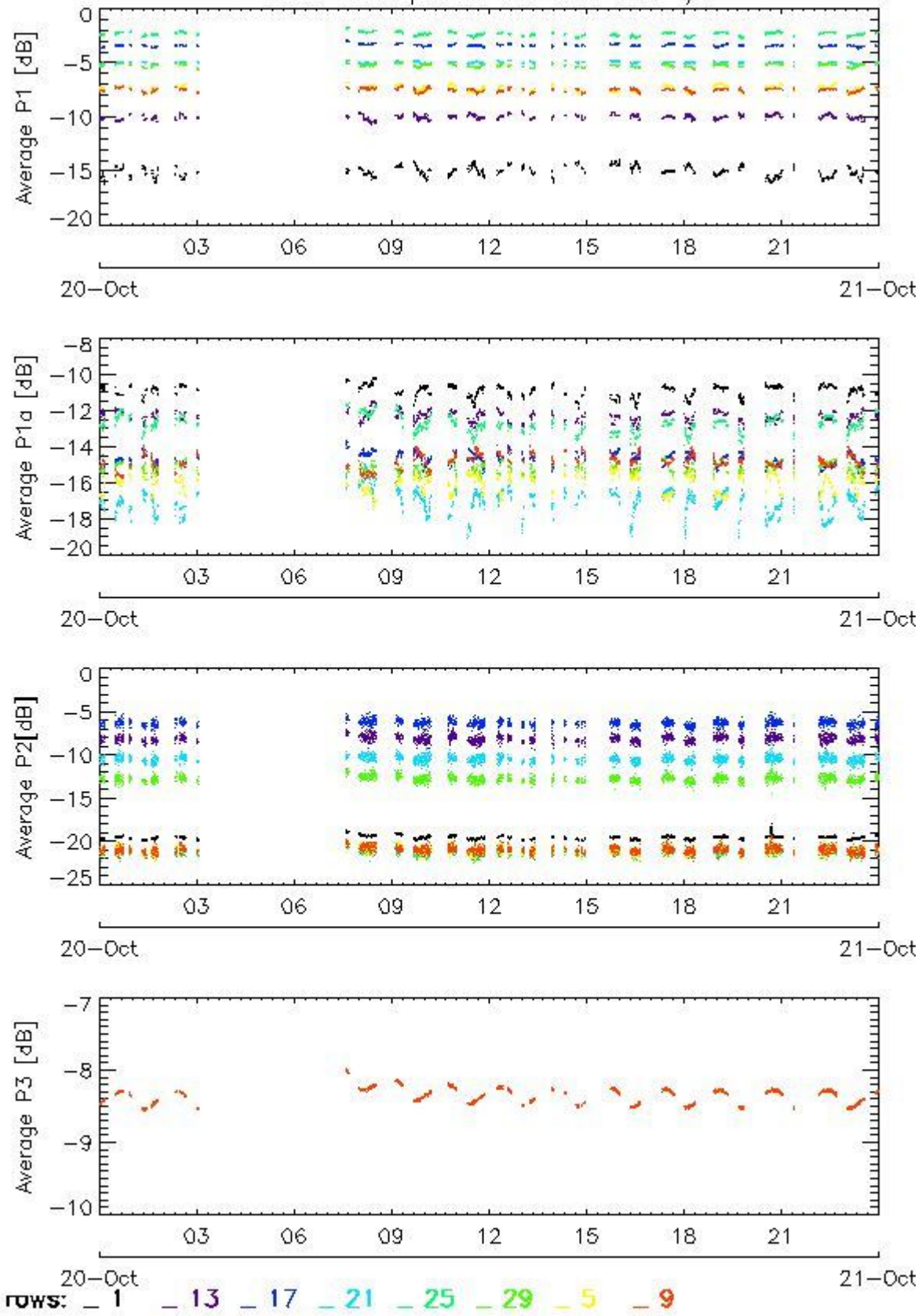
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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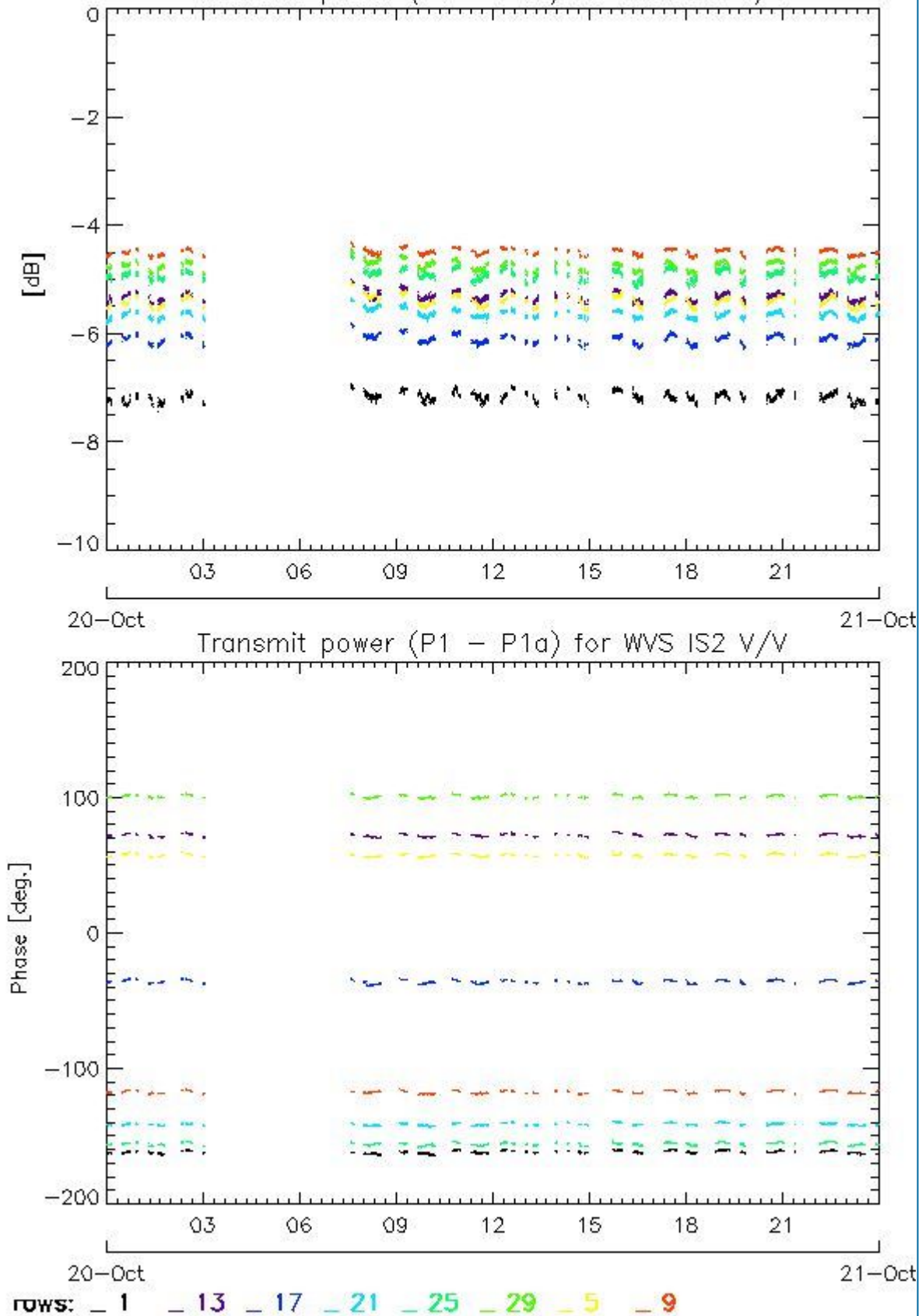
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



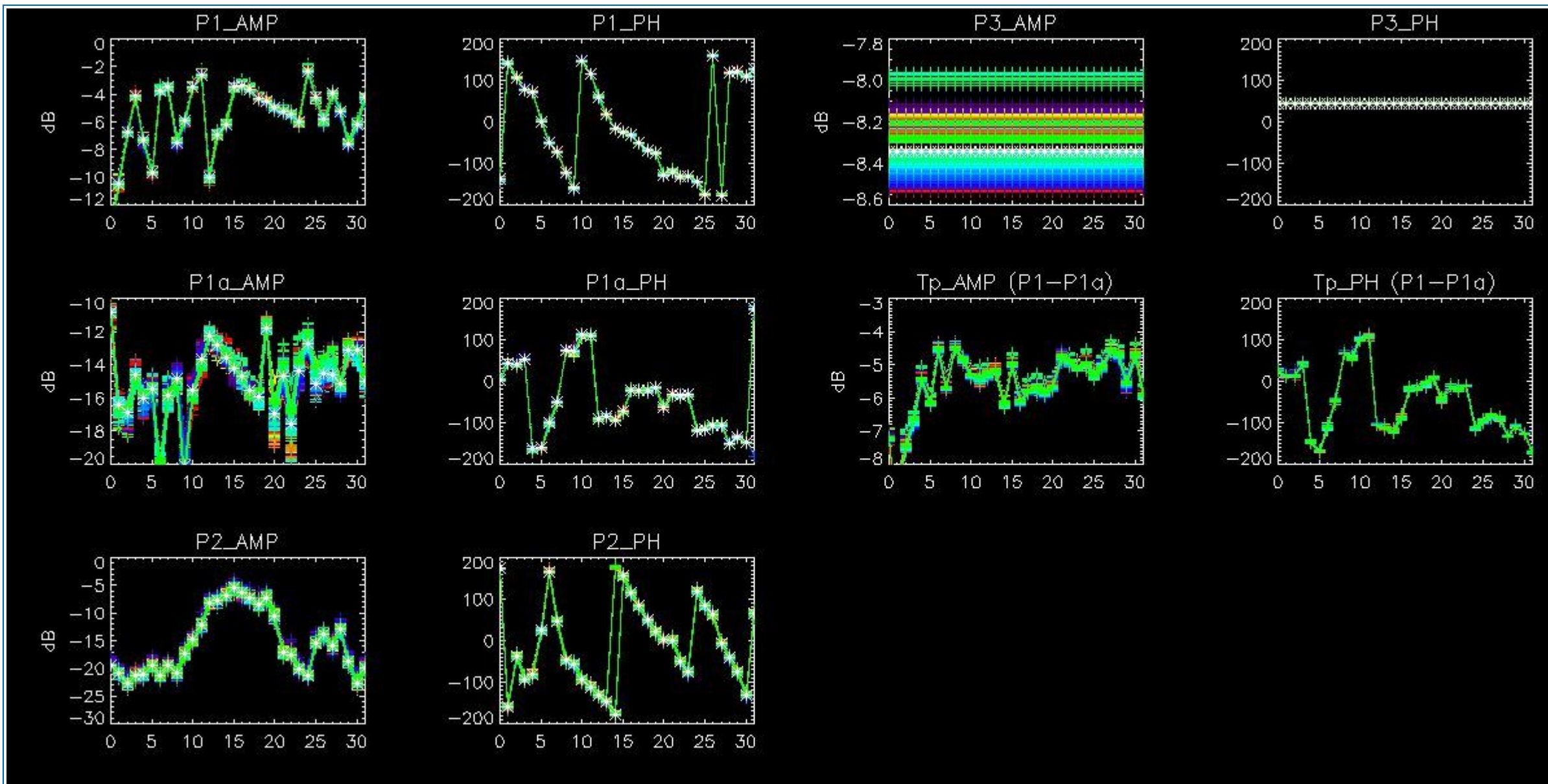
Transmit power (P1 - P1a) for WVS IS2 V/V



#### 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

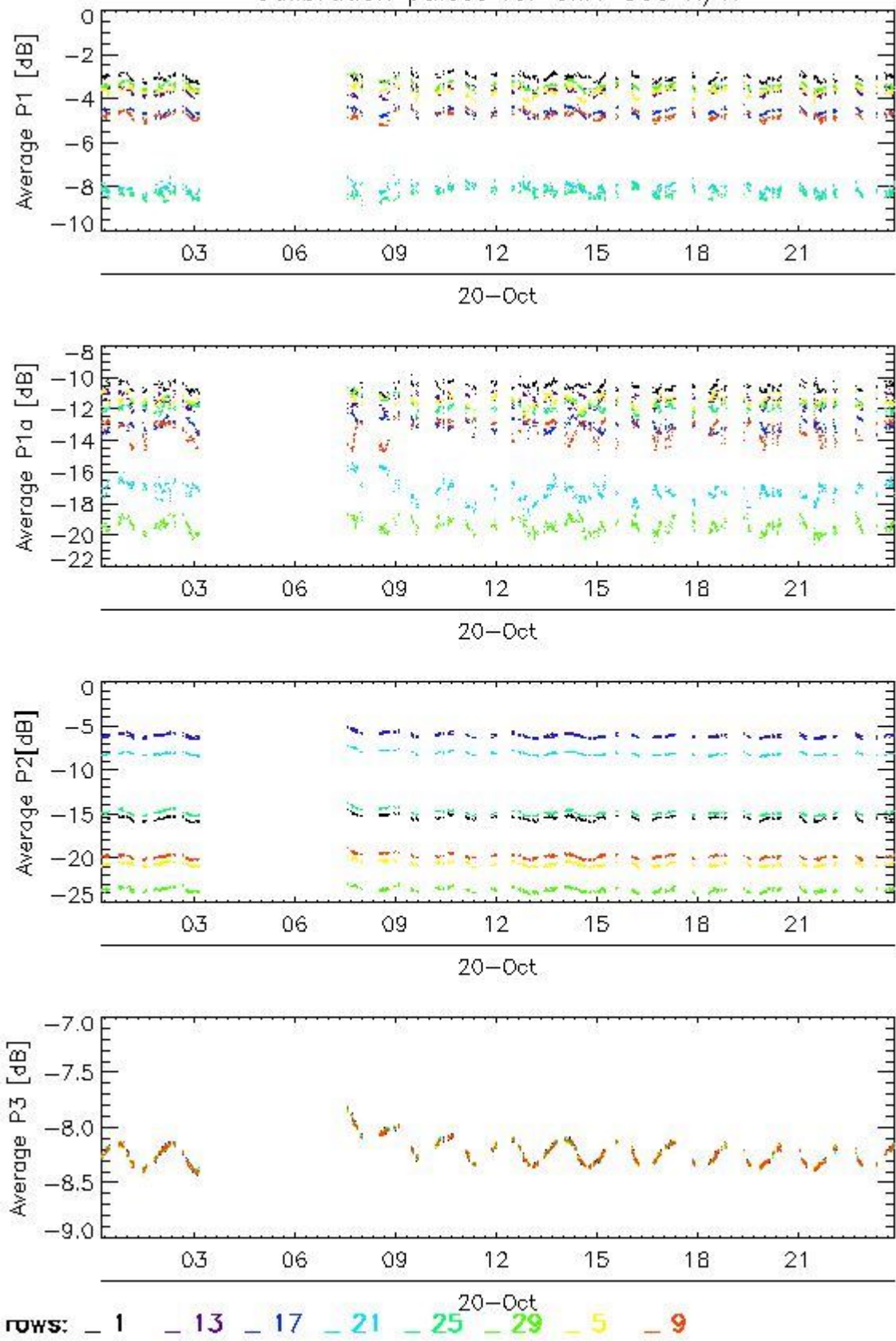
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Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

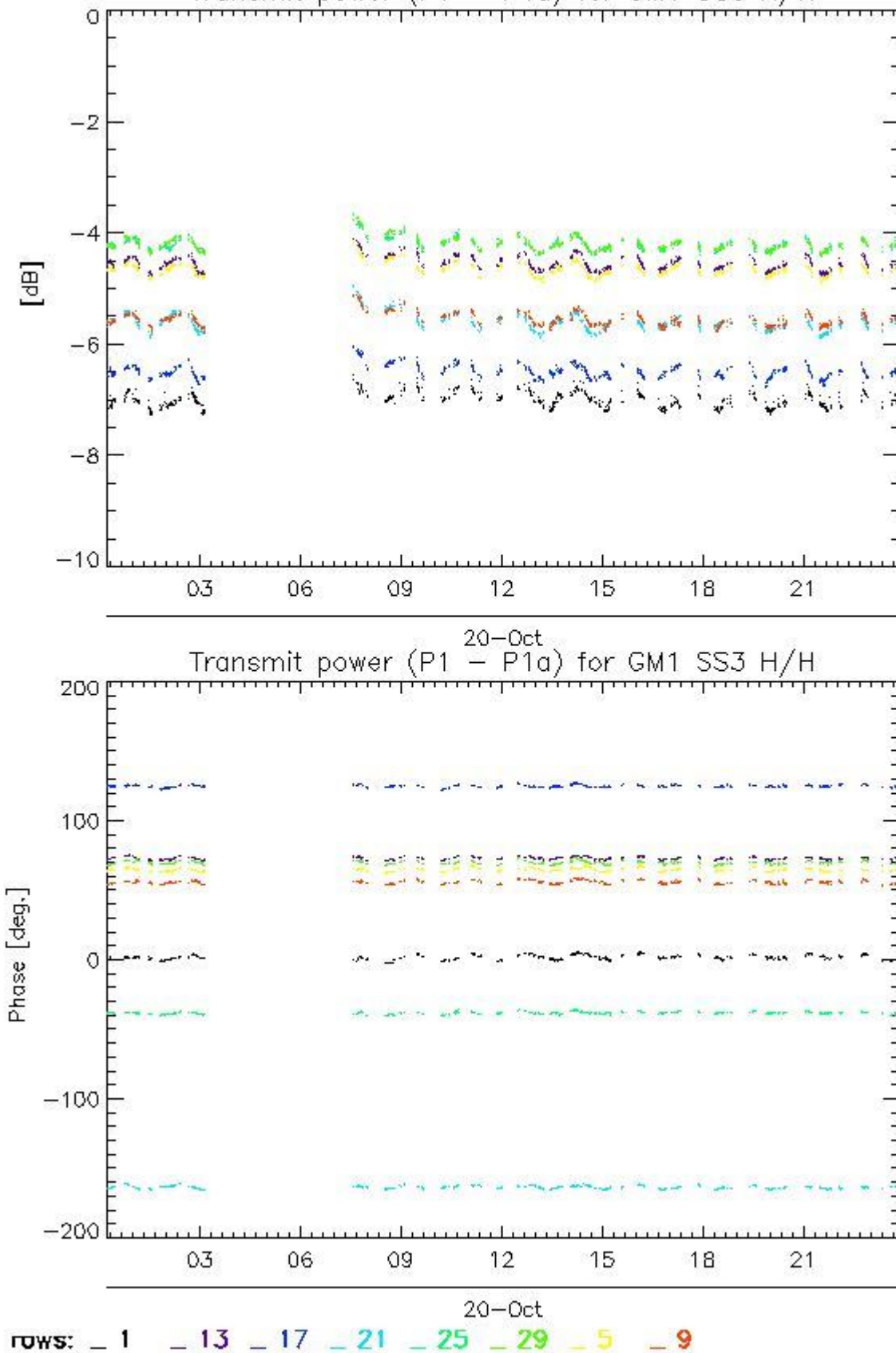
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



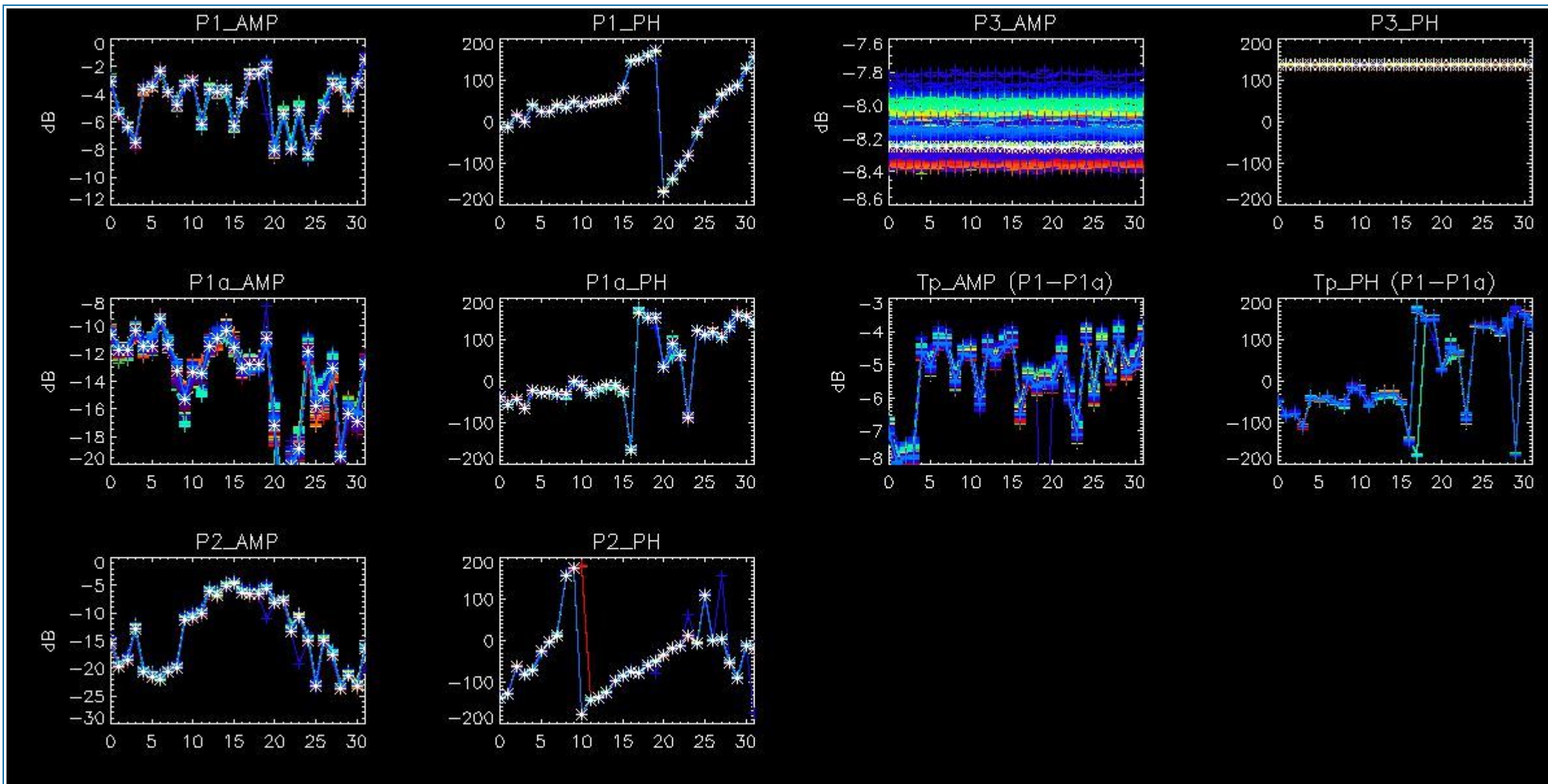
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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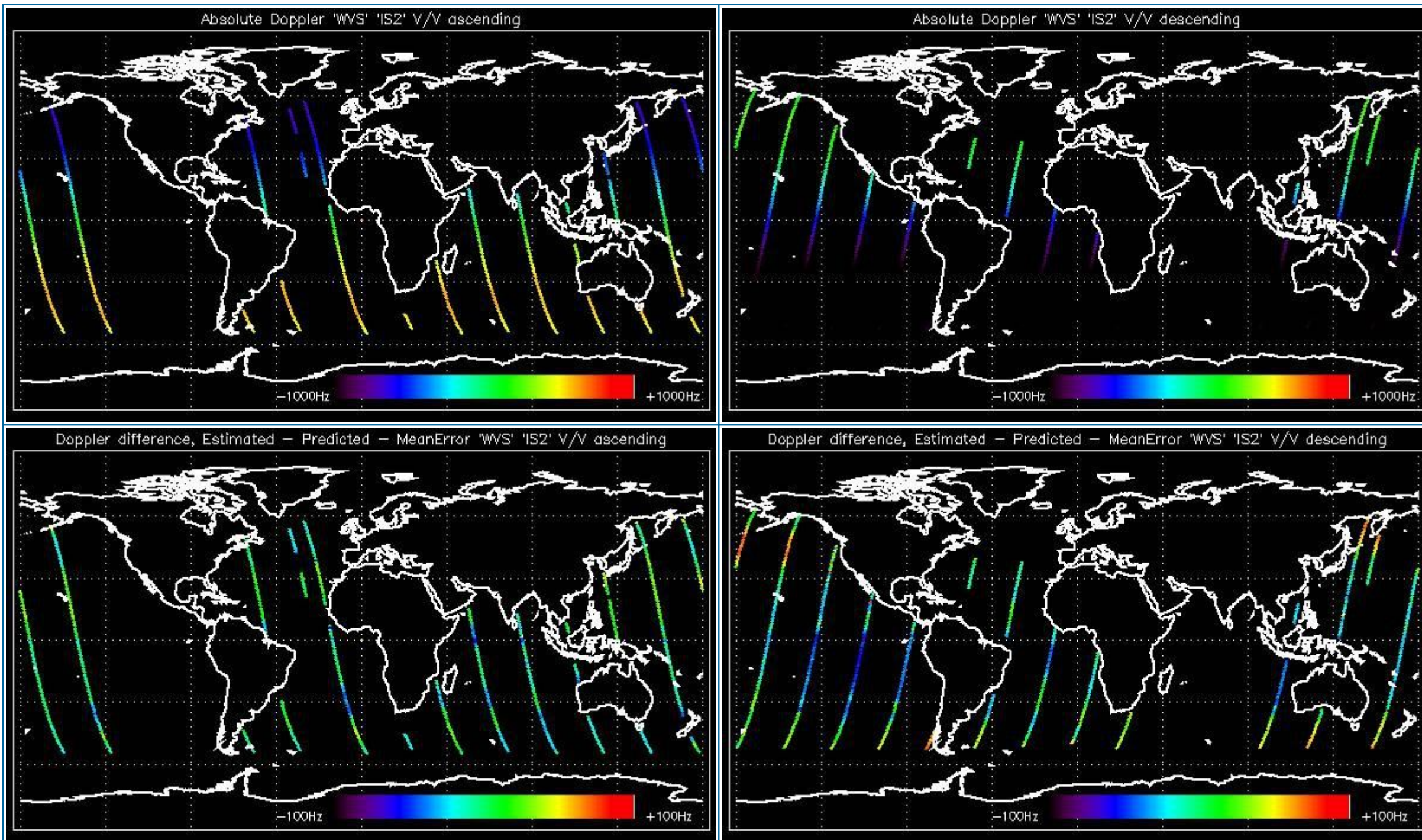
## 5 - DOPPLER ANALYSIS

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

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

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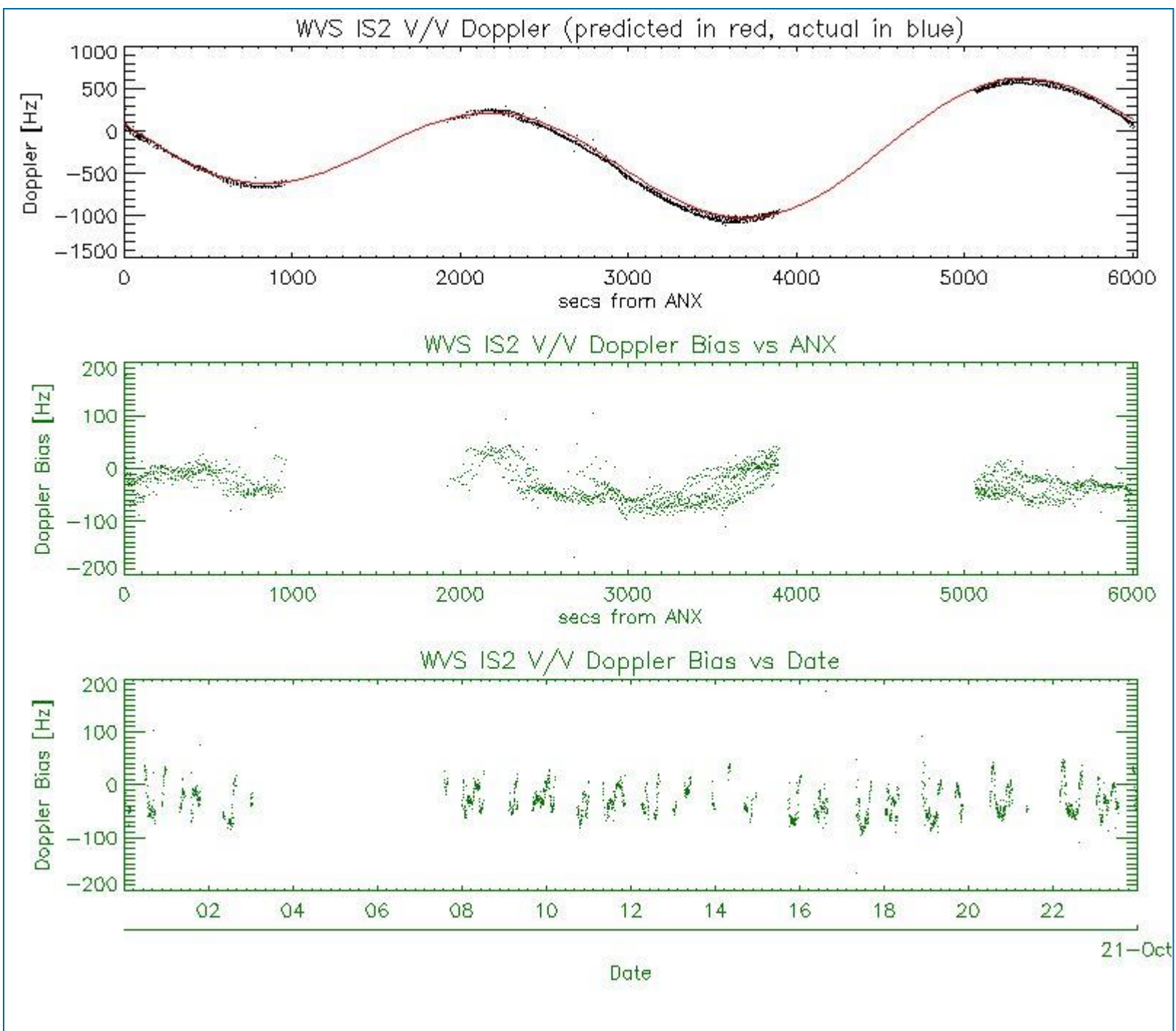




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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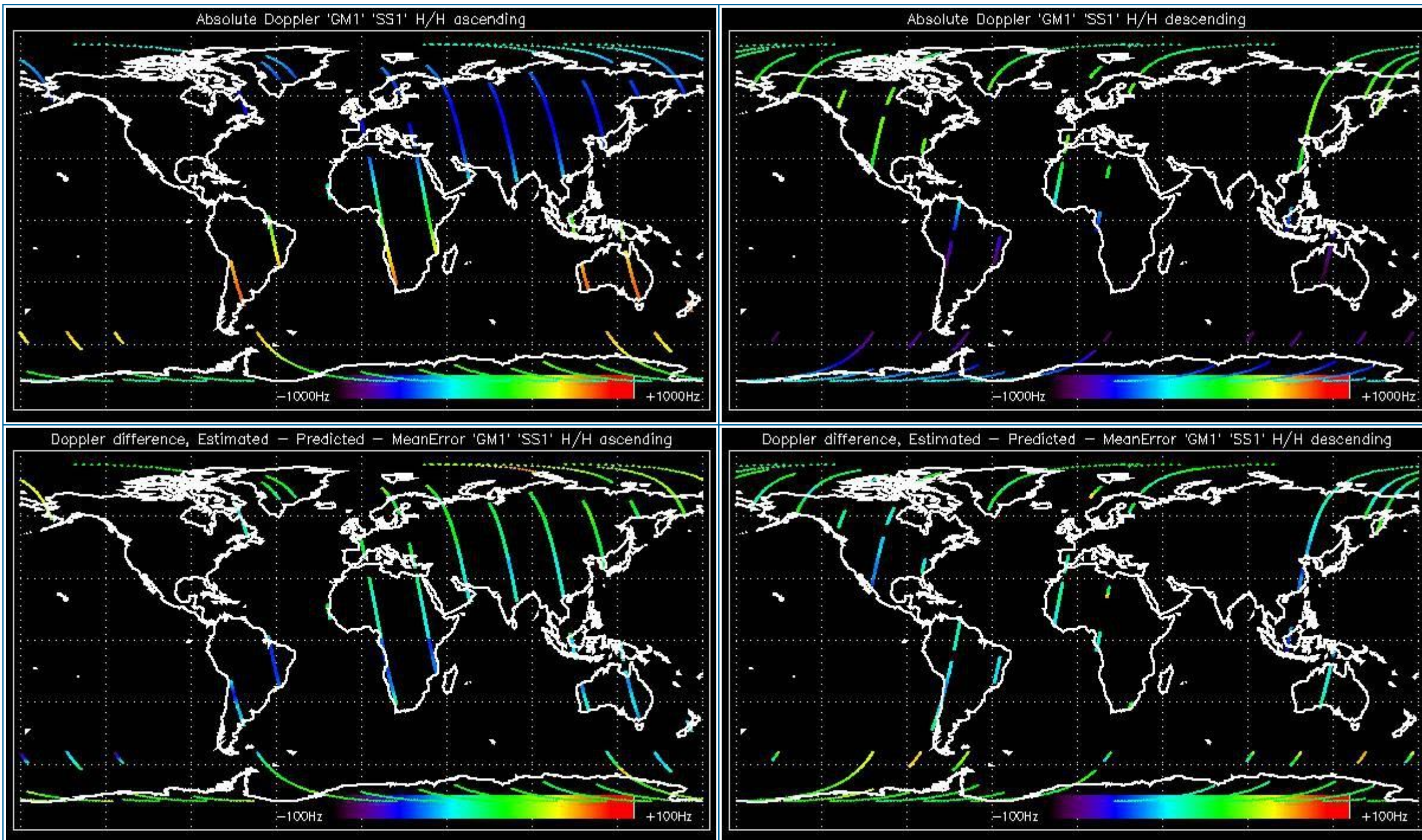


## 5.2 - Analysis for GM1 SS1 H/H

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

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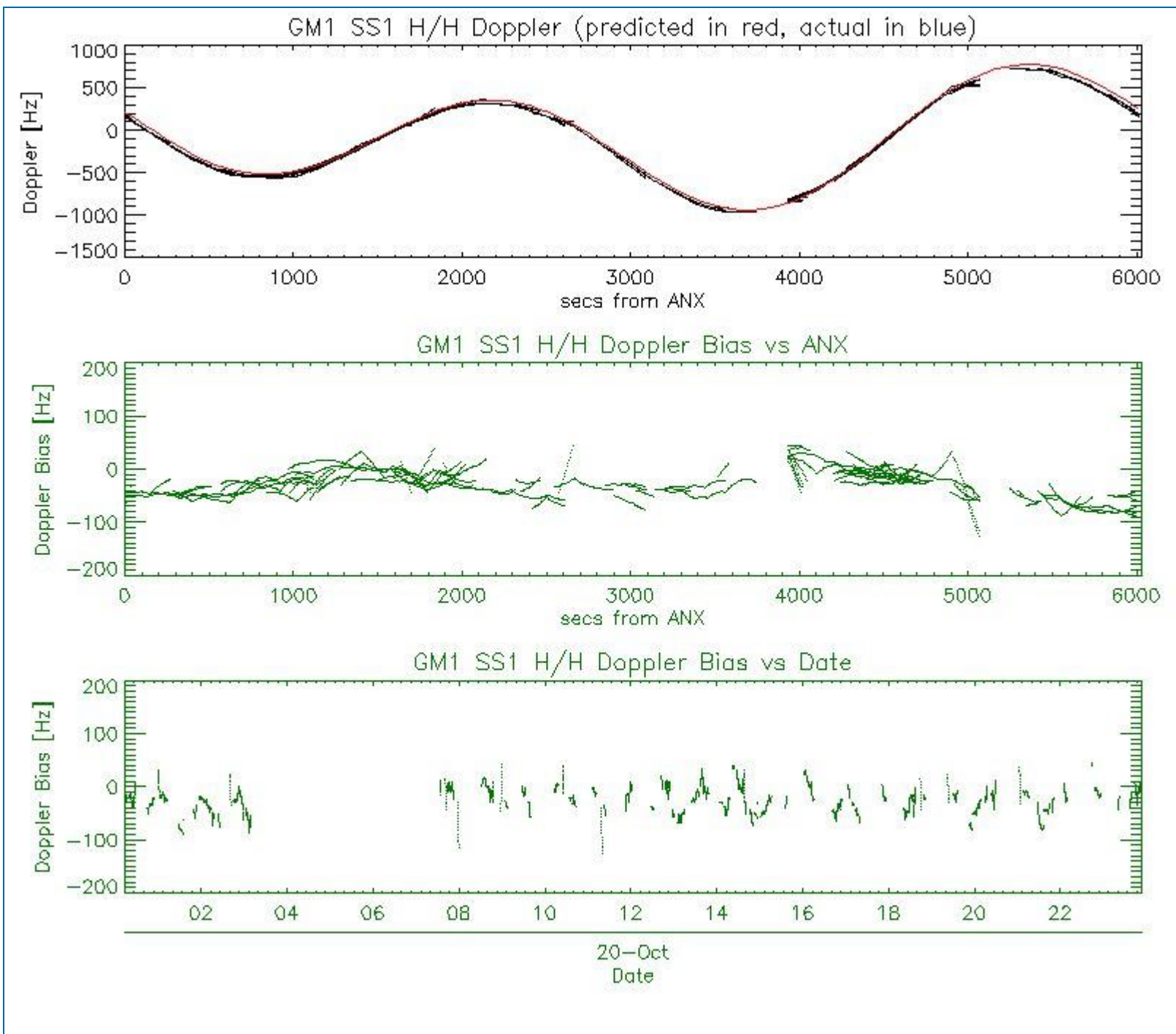




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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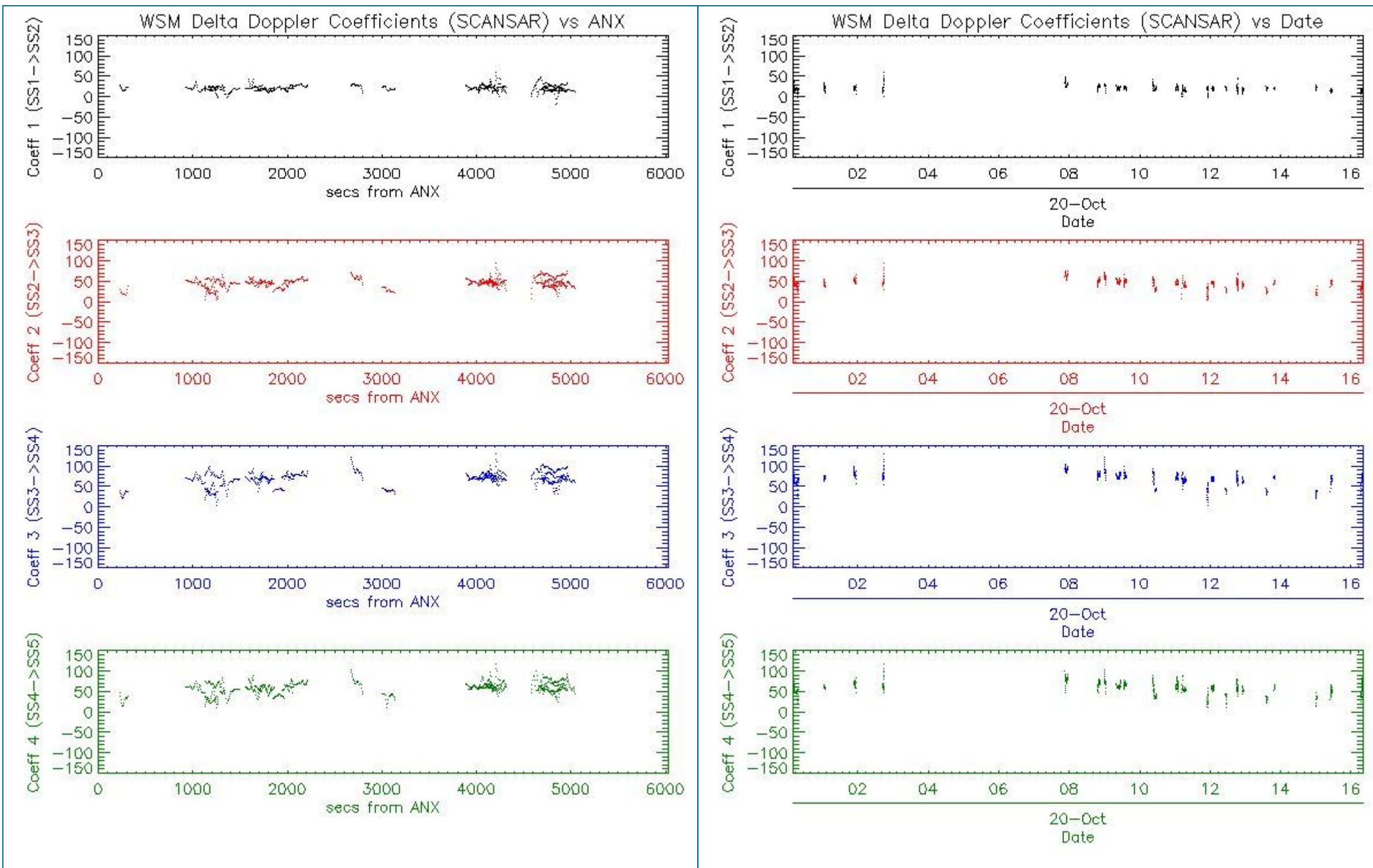




### 5.3 - Doppler JUMPS Analysis for WSM

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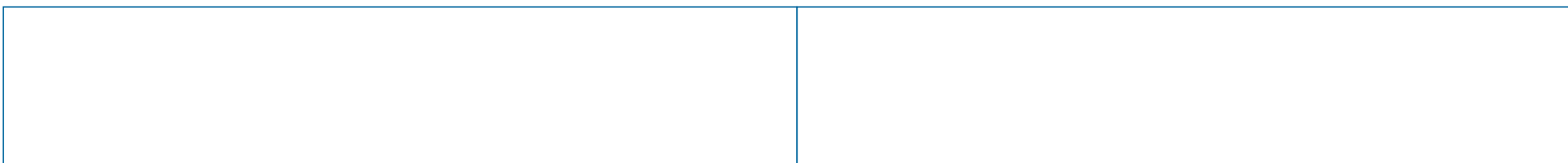


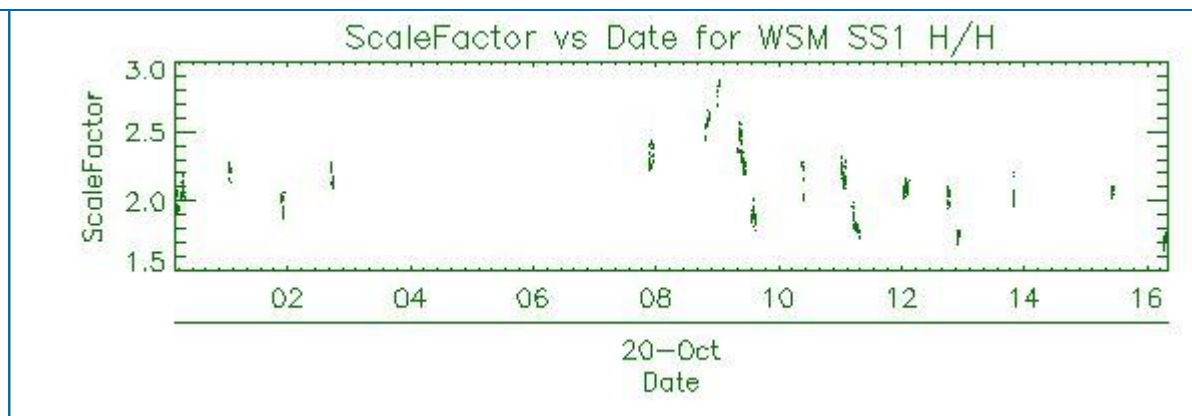
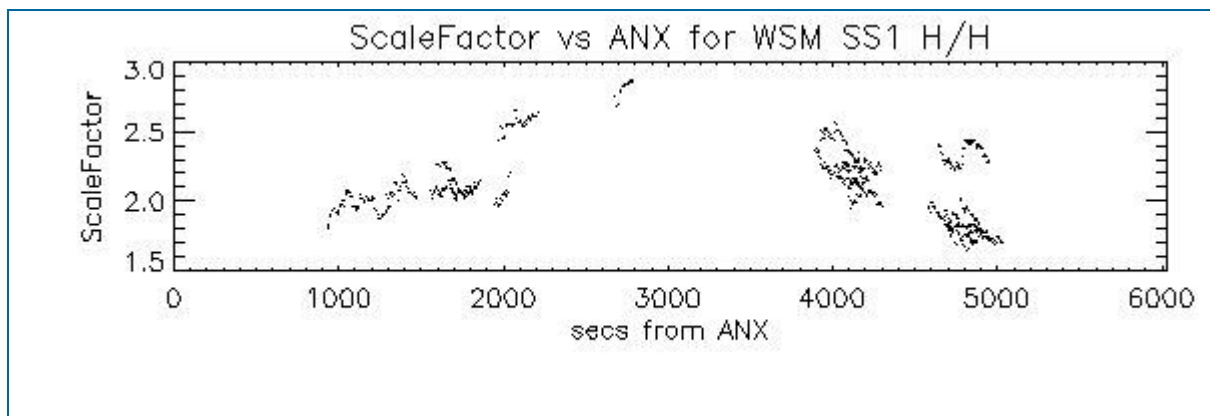
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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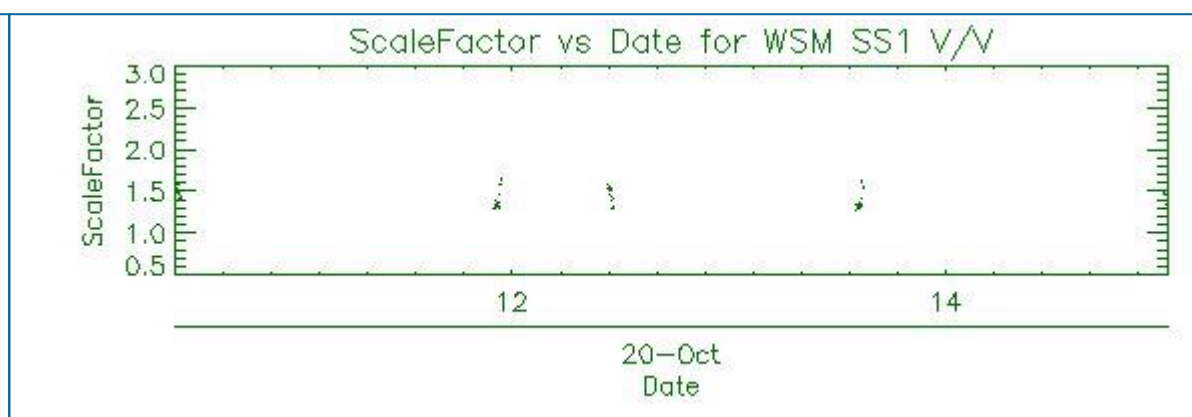
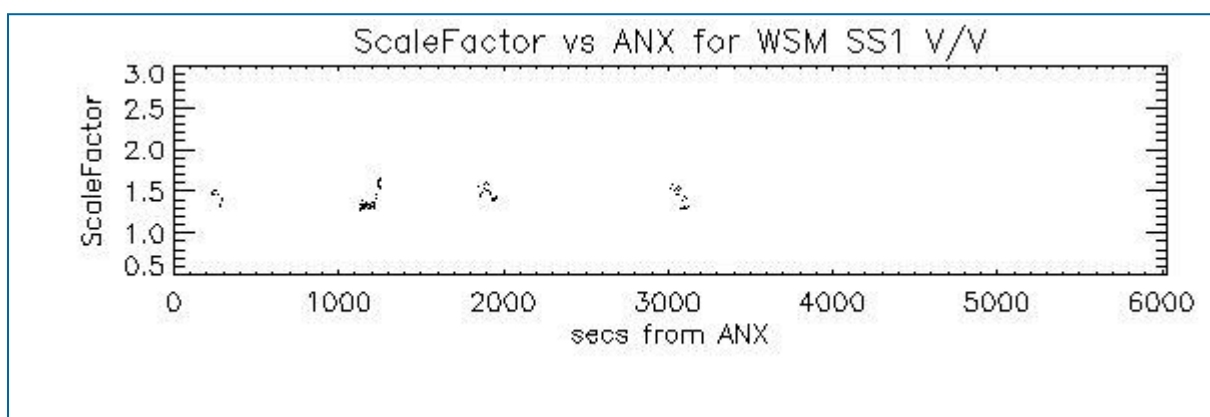




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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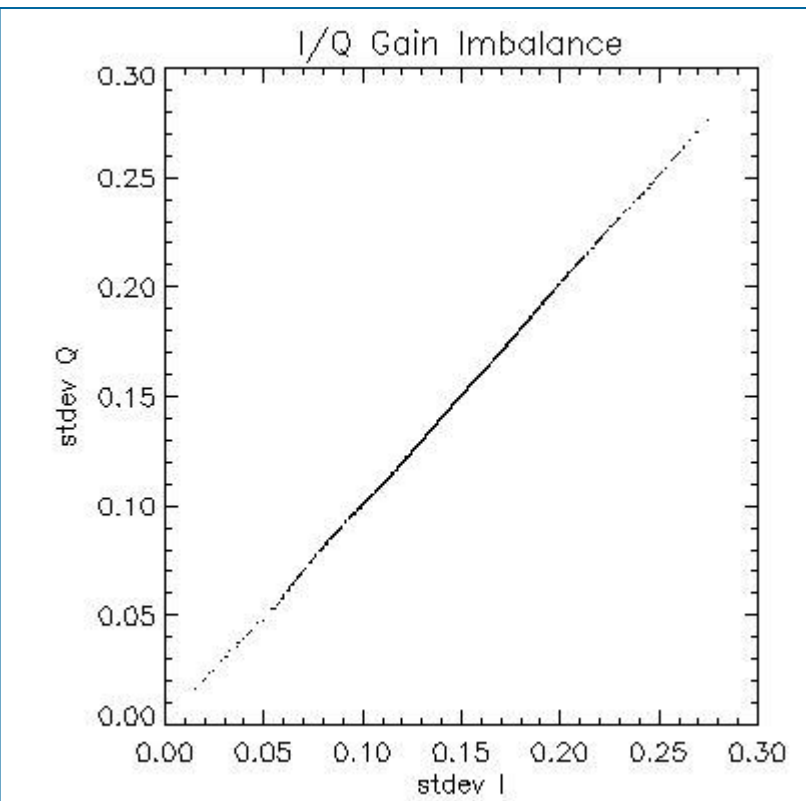
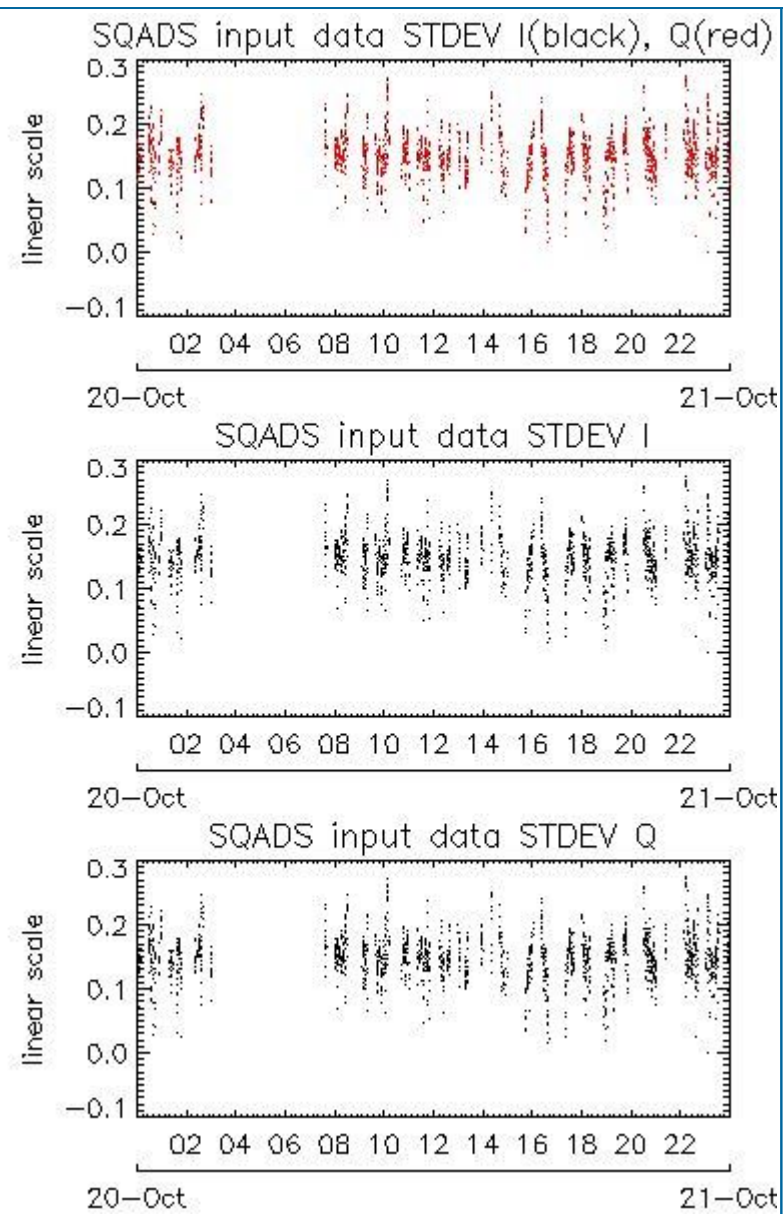
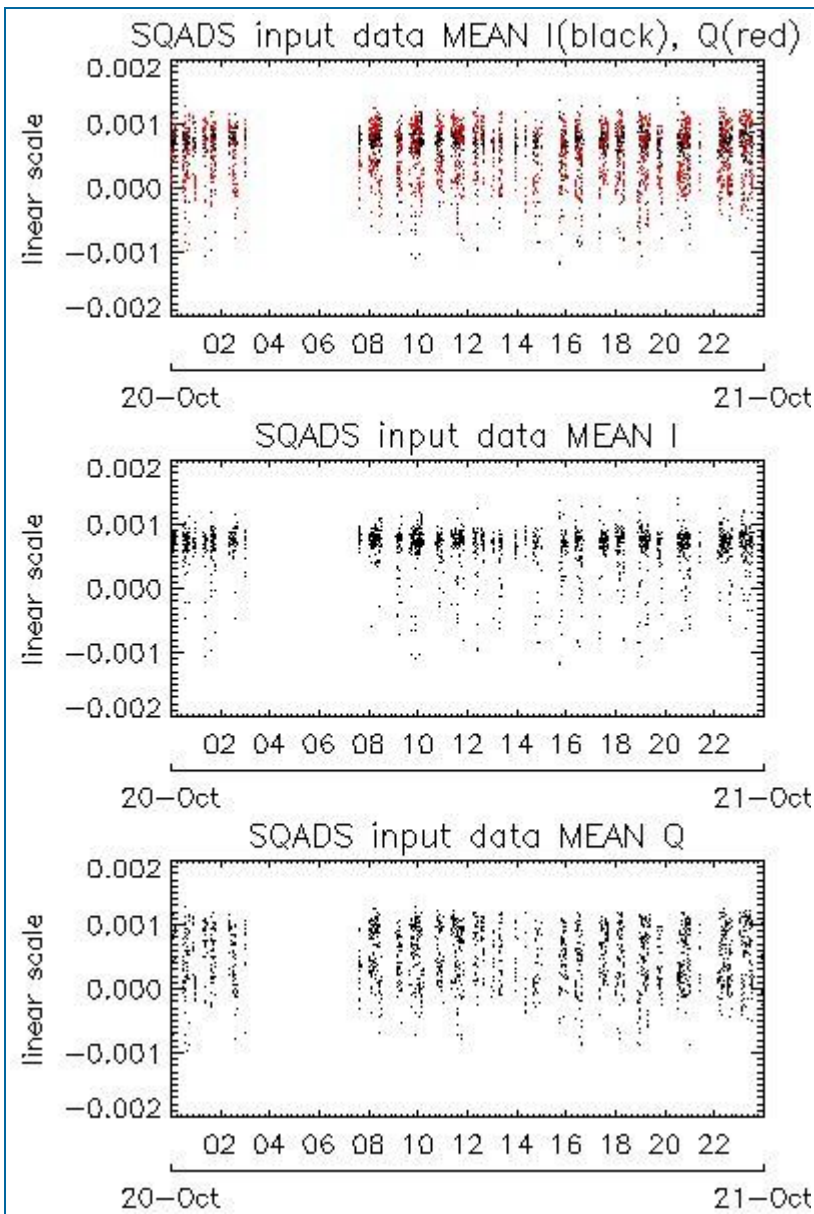
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

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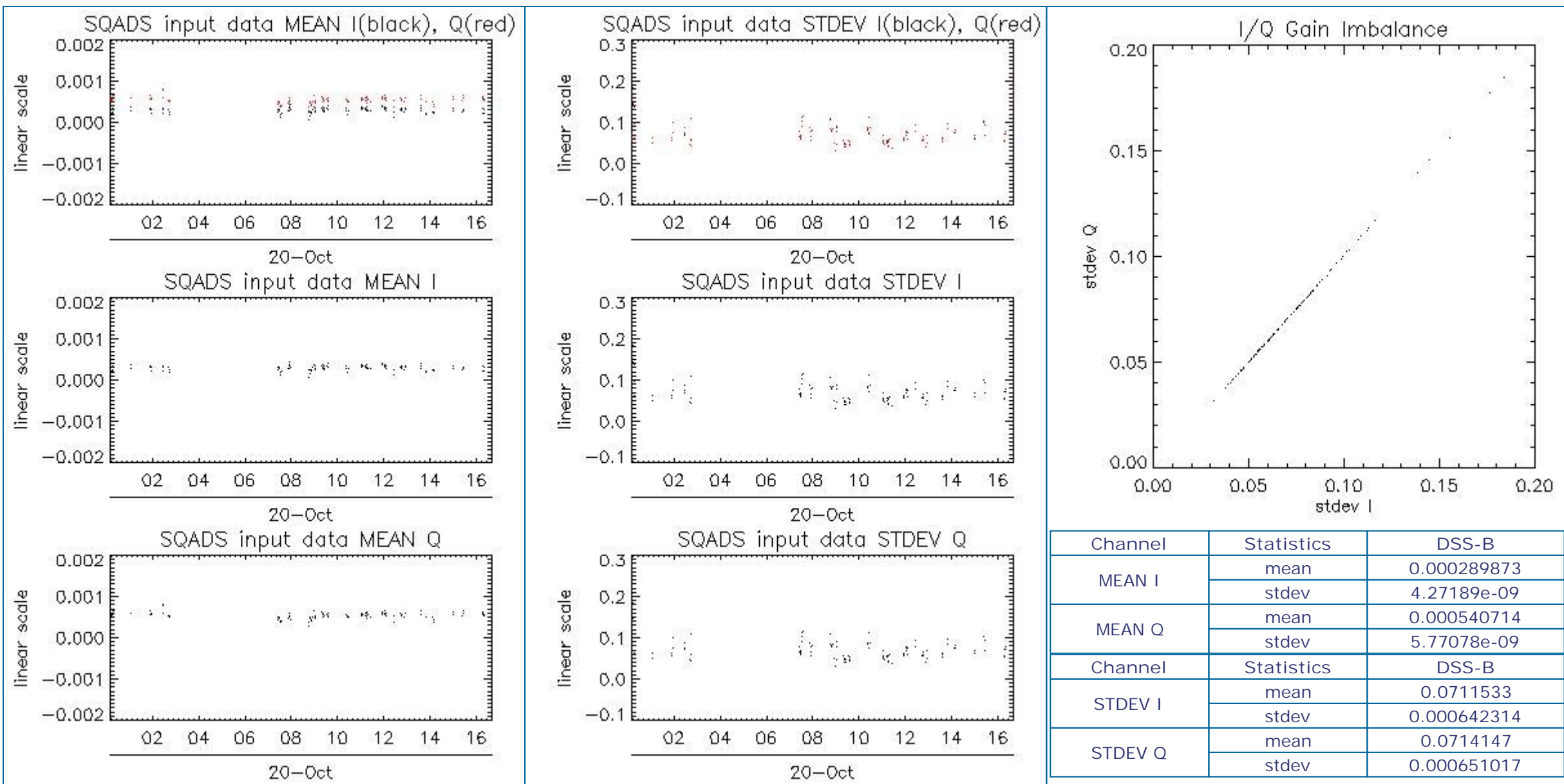


Channel	Statistics	DSS-B
MEAN I	mean	0.000635879
	stdev	1.26227e-07
MEAN Q	mean	0.000494666
	stdev	2.03370e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.149442
	stdev	0.00131724
STDEV Q	mean	0.149980
	stdev	0.00134232

## 7.2 - Analysis for IMM

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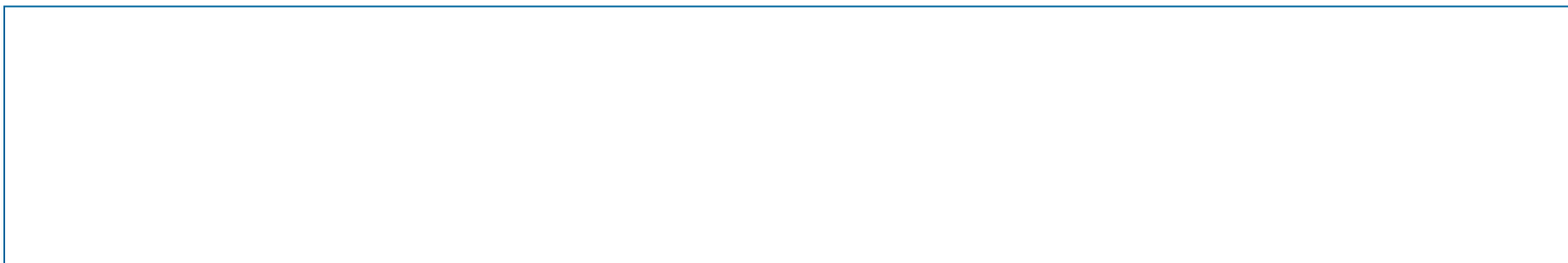


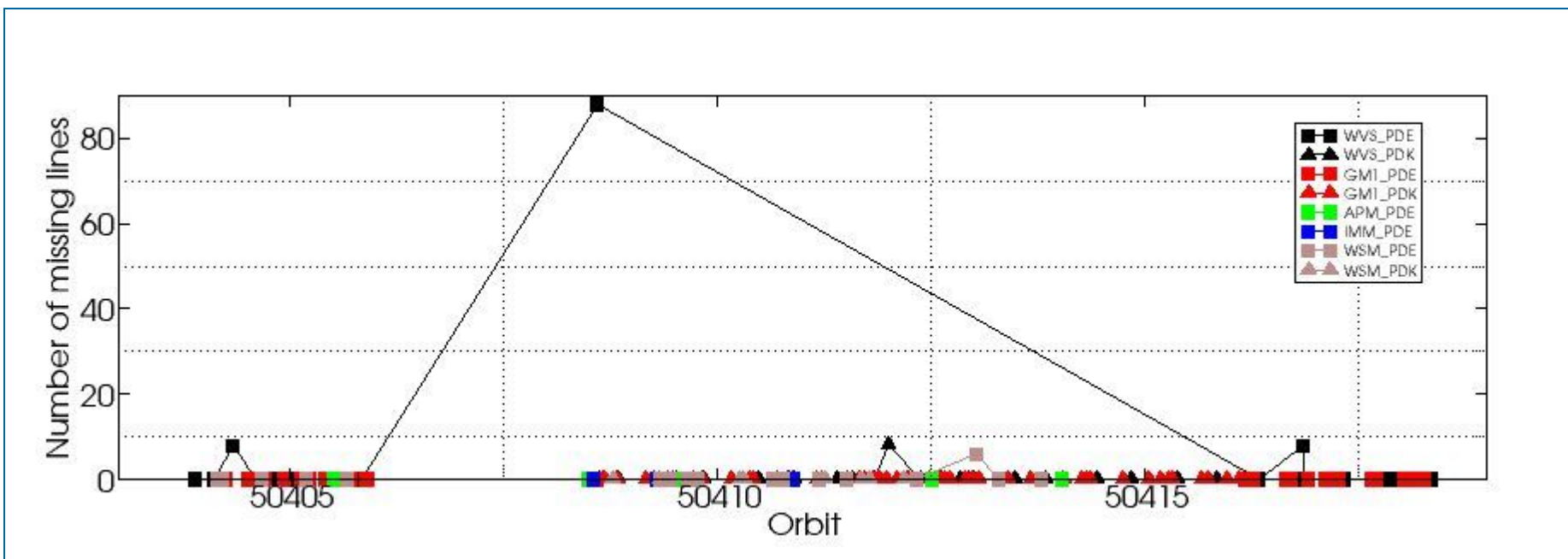
## 8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WVS_1PNPDE20111020_002801_000009653107_00390_50404_0468.N1	0	8
PDE	ASA_WVS_1PNPDE20111020_011914_000002553107_00390_50404_0464.N1	1	0
PDE	ASA_WVS_1PNPDE20111020_073513_000001203107_00394_50408_0407.N1	0	88
PDE	ASA_WVS_1PNPDE20111020_212213_000001203107_00402_50416_0657.N1	0	8
PDK	ASA_WVS_1PNPDK20111020_131552_000005473107_00397_50411_4027.N1	0	8
PDE	ASA_WSM_1PNPDE20111020_150014_000000923107_00399_50413_0608.N1	0	6

### 8.1 - Number of Missing lines

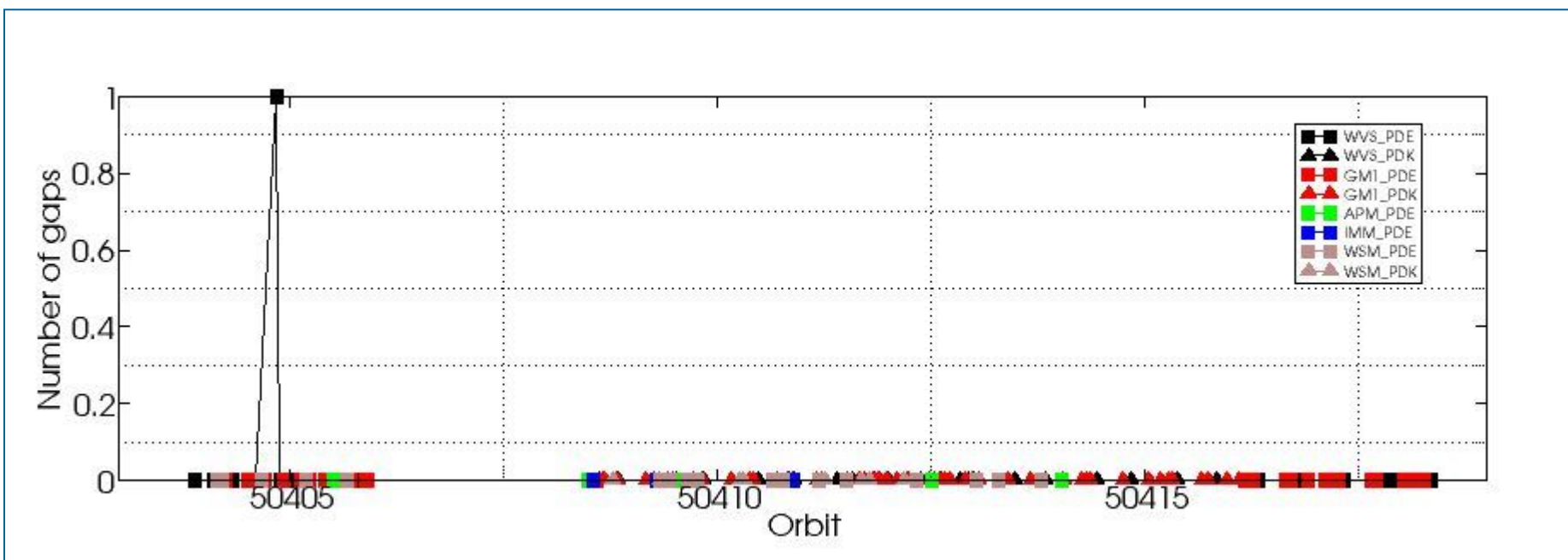
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 111020  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2011-10-20 00:00:00

Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_111020/

DATA SUMMARY  
#####  
Summary will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_111020/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_111020/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_111020/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_111020/AUXILIARY

Creating directory ./RESULTS/DAILY/\_111020/AUXILIARY...

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



ADF filter 20111020\*current\_3\_IECF\_ADFs.txt  
 Found list 20111020\_030001\_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/\_111020/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
 Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_WVS.xls...  
 Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20111020_000556_000001953107_00390_50404_0471.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_002801_000009653107_00390_50404_0468.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_005352_000003153107_00390_50404_0465.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_011914_000002553107_00390_50404_0464.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_012244_000001953107_00390_50404_0459.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_013457_000007793107_00391_50405_0444.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_021945_000001493107_00391_50405_0443.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_022723_000007193107_00391_50405_0439.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_025911_000001803107_00391_50405_0437.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_073513_000001203107_00394_50408_0407.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_203024_000018893107_00402_50416_0656.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_212213_000001203107_00402_50416_0657.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_212358_000000153107_00402_50416_0679.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_220930_000019643107_00403_50417_0683.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_230149_000003443107_00403_50417_0684.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_230649_000007493107_00403_50417_0700.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_232215_000006743107_00404_50418_0703.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111020_235329_000008693107_00404_50418_0717.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_073658_000001953107_00394_50408_3900.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_075953_000018593107_00394_50408_3903.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_090710_000007493107_00395_50409_3937.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_094007_000019043107_00395_50409_3941.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_104407_000009743107_00396_50410_3969.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_112021_000001203107_00396_50410_3968.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_112526_000015743107_00396_50410_3979.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_121528_000005993107_00397_50411_4014.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_123331_000004353107_00397_50411_4019.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_130034_000002253107_00397_50411_4021.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_131552_000005473107_00397_50411_4027.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_135513_000002393107_00398_50412_4045.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_141842_000001503107_00398_50412_4055.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_144048_000003003107_00398_50412_4057.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_145021_000001493107_00398_50412_4059.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_145714_000000743107_00399_50413_4060.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_154407_000010343107_00399_50413_4087.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_162053_000011393107_00399_50413_4090.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_172021_000012743107_00400_50414_4116.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_180120_000011693107_00400_50414_4118.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_185416_000016493107_00401_50415_4159.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111020_194122_000006003107_00401_50415_4162.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_GM1.xls...  
 Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_GM1.txt...



ASA_GM1_1PNPDK20111020_160203_000008403107_00399_50413_4088.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_164142_000008103107_00400_50414_4091.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_170342_000001443107_00400_50414_4113.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_170847_000001383107_00400_50414_4114.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_171253_000004473107_00400_50414_4115.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_175051_000003503107_00400_50414_4117.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_182139_000008223107_00401_50415_4120.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_182139_000008223107_00401_50415_4122.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_183511_000001573107_00401_50415_4145.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_184412_000000663107_00401_50415_4146.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_184925_000001383107_00401_50415_4151.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_192231_000000723107_00401_50415_4152.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_193031_000003143107_00401_50415_4160.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_195211_000008163107_00401_50415_4161.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111020_200642_000001993107_00402_50416_4163.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_APM.txt...

ASA_APM_1PNPDE20111020_022607_000000703107_00391_50405_0460.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111020_072455_000002243107_00394_50408_0425.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111020_072842_000000563107_00394_50408_0424.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111020_090331_000000423107_00395_50409_0381.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111020_140736_000000843107_00398_50412_0610.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111020_164039_000000433107_00400_50414_0614.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing IMM products...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA_IMM_1PNPDE20111020_073031_000001963107_00394_50408_0423.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111020_084528_000000823107_00395_50409_0385.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111020_085409_000000383107_00395_50409_0382.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111020_112442_000000373107_00396_50410_0542.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing WSM products...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/\_111020/AUXILIARY/Check\_ADFs\_WSM.txt...

ASA_WSM_1PNPDE20111020_000950_000002083107_00390_50404_0481.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_001550_000002083107_00390_50404_0480.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_010202_000001353107_00390_50404_0482.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_015321_000002143107_00391_50405_0461.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_024138_000002203107_00391_50405_0458.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_084825_000000923107_00395_50409_0383.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_090002_000001353107_00395_50409_0644.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_092020_000004283107_00395_50409_0696.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_093328_000002393107_00395_50409_0524.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_110059_000003123107_00396_50410_0567.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_111202_000003923107_00396_50410_0589.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_115448_000001473107_00397_50411_0541.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_122607_000001353107_00397_50411_0540.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_134837_000001223107_00398_50412_0611.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_150014_000000923107_00399_50413_0608.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111020_152441_000001533107_00399_50413_0615.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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ASA_WSM_1PNPDE20111020_161603_000002753107_00399_50413_0607.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_075235_000003303107_00394_50408_3911.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_084825_000002513107_00395_50409_3912.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_102212_000001533107_00396_50410_3943.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_102635_000001283107_00396_50410_3950.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_120154_000003123107_00397_50411_3986.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_124420_000002203107_00397_50411_4029.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_124420_000002203107_00397_50411_4031.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_125423_000001903107_00397_50411_4028.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111020_133457_000001473107_00398_50412_4035.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/\_111020/MODULE\_STEPPING

```
Creating directory ./RESULTS/DAILY/_111020/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_111020/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_111020/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/\_111020/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H

Reference product: ASA\_MS\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1

Test product: ASA\_MS\_0PNPDE20111020\_070826\_00000163107\_00394\_50408\_0403.N1

H

H

```
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/TGH_20111020_070826-20010209_135042.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/TPH_20111020_070826-20010209_135042.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/RGH_20111020_070826-20010209_135042.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/RPH_20111020_070826-20010209_135042.png
```

Polarization: V

Reference product: ASA\_MS\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1

Test product: ASA\_MS\_0PNPDK20111020\_074220\_00000163107\_00394\_50408\_0844.N1

V

V

```
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/TGV_20111020_074220-20010209_140823.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/TPV_20111020_074220-20010209_140823.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/RGV_20111020_074220-20010209_140823.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/SECOND_REFERENCE/RPV_20111020_074220-20010209_140823.png
```

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Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H

Reference product: ASA\_MS\_0PNPDK20111019\_063851\_00000163107\_00379\_50393\_0842.N1

Test product: ASA\_MS\_0PNPDE20111020\_070826\_00000163107\_00394\_50408\_0403.N1

H

H

```
../../RESULTS/DAILY/_111020/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20111020_070826-20111019_063851.png
../../RESULTS/DAILY/_111020/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20111020_070826-20111019_063851.png
```



../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20111020\_070826-20111019\_063851.png  
../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20111020\_070826-20111019\_063851.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPK20111019\_081905\_000000163107\_00380\_50394\_0843.N1  
Test product: ASA\_MS\_\_0PNPK20111020\_074220\_000000163107\_00394\_50408\_0844.N1

V  
V

../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20111020\_074220-20111019\_081905.png  
../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20111020\_074220-20111019\_081905.png  
../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20111020\_074220-20111019\_081905.png  
../../RESULTS/DAILY/\_111020/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20111020\_074220-20111019\_081905.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####

Creating directory ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES...

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ALL ROWS Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing products WVS IS2 V/V  
1 59137 7 59137  
Writing image ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
1 33505 7 33505  
Writing image ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing products WVS IS2 V/V  
Getting calibration pulses data for WVS IS2 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-10-20\_1.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-10-20\_2.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-10-20\_3.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2011-10-20\_4.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
Writing ../../RESULTS/DAILY/\_111020//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 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-10-20\_1.dat...

Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-10-20\_2.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-10-20\_3.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-10-20 00:00:00 to 2011-10-20 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_111020/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2011-10-20\_4.dat...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/\_111020//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_111020/DOPPLER...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER ANX Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing products WVS IS2 V/V  
Getting doppler data for WVS IS2 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2011-10-20.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_111020/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H  
Getting doppler data for GM1 SS1 H/H from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2011-10-20.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_111020/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER JUMPS Analysis will be performed on WSM products from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_111020/DOPPLER/Doppler\_Jumps\_data\_WSM\_2011-10-20.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_111020/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/\_111020/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing products WVS IS2 V/V

939

Loading predicted doppler values....

./PREDICTED\_DOPPLER/doppler.WV\_2

87.7758  
10.5846  
-66.5771  
-142.520  
-216.086  
-286.172  
-351.735  
-411.816  
-465.557  
-512.209  
-551.146  
-581.874  
-604.040  
-617.434  
-621.993  
-617.804  
-605.099  
-584.252  
-555.770  
-520.289  
-478.560  
-431.434  
-379.856  
-324.838  
-267.455  
-208.814  
-150.050  
-92.2908  
-36.6568  
15.7690  
63.9616  
106.958  
143.888  
173.973  
196.555  
211.098  
217.196  
214.587  
203.150  
182.918  
154.068  
116.919  
71.9387  
19.7218  
-39.0043  
-103.408  
-172.552  
-245.410  
-320.887  
-397.839  
-475.084  
-551.423  
-625.659  
-696.616  
-763.167  
-824.227  
-878.795  
-925.960  
-964.912  
-994.961  
-1015.54  
-1026.24  
-1026.75  
-1016.96

-996.863  
-966.640  
-926.597  
-877.190  
-819.014  
-752.784  
-679.341  
-599.625  
-514.669  
-425.588  
-333.549  
-239.763  
-145.472  
-51.9192  
39.6591  
128.055  
212.107  
290.720  
362.878  
427.653  
484.231  
531.914  
570.135  
598.464  
616.615  
624.452  
621.987  
609.384  
586.949  
555.141  
514.541  
465.868  
409.943  
347.705  
280.167  
208.420  
133.607  
87.7758

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -31.590756 Hz

Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

911

Loading predicted doppler values....

./PREDICTED\_DOPPLER/doppler.WV\_2

87.7758  
10.5846  
-66.5771  
-142.520  
-216.086  
-286.172  
-351.735  
-411.816  
-465.557  
-512.209  
-551.146  
-581.874  
-604.040  
-617.434  
-621.993  
-617.804  
-605.099  
-584.252

-555.770  
-520.289  
-478.560  
-431.434  
-379.856  
-324.838  
-267.455  
-208.814  
-150.050  
-92.2908  
-36.6568  
15.7690  
63.9616  
106.958  
143.888  
173.973  
196.555  
211.098  
217.196  
214.587  
203.150  
182.918  
154.068  
116.919  
71.9387  
19.7218  
-39.0043  
-103.408  
-172.552  
-245.410  
-320.887  
-397.839  
-475.084  
-551.423  
-625.659  
-696.616  
-763.167  
-824.227  
-878.795  
-925.960  
-964.912  
-994.961  
-1015.54  
-1026.24  
-1026.75  
-1016.96  
-996.863  
-966.640  
-926.597  
-877.190  
-819.014  
-752.784  
-679.341  
-599.625  
-514.669  
-425.588  
-333.549  
-239.763  
-145.472  
-51.9192  
39.6591  
128.055  
212.107  
290.720  
362.878  
427.653  
484.231  
531.914

570.135  
598.464  
616.615  
624.452  
621.987  
609.384  
586.949  
555.141  
514.541  
465.868  
409.943  
347.705  
280.167  
208.420  
133.607  
87.7758

Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -28.712702 Hz  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_asc.jpg...

\*\*\*\*\*

Analysing products GM1 SS1 H/H

1874  
Loading predicted doppler values....  
./PREDICTED\_DOPPLER/doppler.GM\_1  
216.826  
136.479  
56.1549  
-22.9067  
-99.5006  
-172.474  
-240.743  
-303.307  
-359.271  
-407.856  
-448.408  
-480.415  
-503.506  
-517.465  
-522.225  
-517.876  
-504.660  
-482.966  
-453.319  
-416.384  
-372.939  
-323.868  
-270.156  
-212.854  
-153.080  
-91.9846  
-30.7489  
29.4535  
87.4579  
142.137  
192.422  
237.312  
275.898  
307.370  
331.039  
346.345  
352.861

350.313  
338.571  
317.665  
287.775  
249.231  
202.516  
148.246  
87.1750  
20.1678  
-51.8021  
-127.666  
-206.286  
-286.470  
-366.984  
-446.581  
-524.012  
-598.050  
-667.520  
-731.288  
-788.309  
-837.633  
-878.414  
-909.930  
-931.592  
-942.955  
-943.721  
-933.748  
-913.049  
-881.794  
-840.306  
-789.059  
-728.670  
-659.882  
-583.571  
-500.712  
-412.383  
-319.741  
-224.000  
-126.420  
-28.2956  
69.0819  
164.424  
256.474  
344.022  
425.926  
501.129  
568.661  
627.675  
677.441  
717.367  
747.001  
766.044  
774.352  
771.933  
758.957  
735.740  
702.757  
660.611  
610.049  
551.927  
487.220  
416.983  
342.352  
264.518  
216.826

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -17.320115 Hz  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

2437  
Loading predicted doppler values....  
./PREDICTED\_DOPPLER/doppler.GM\_1

- 216.826
- 136.479
- 56.1549
- 22.9067
- 99.5006
- 172.474
- 240.743
- 303.307
- 359.271
- 407.856
- 448.408
- 480.415
- 503.506
- 517.465
- 522.225
- 517.876
- 504.660
- 482.966
- 453.319
- 416.384
- 372.939
- 323.868
- 270.156
- 212.854
- 153.080
- 91.9846
- 30.7489
- 29.4535
- 87.4579
- 142.137
- 192.422
- 237.312
- 275.898
- 307.370
- 331.039
- 346.345
- 352.861
- 350.313
- 338.571
- 317.665
- 287.775
- 249.231
- 202.516
- 148.246
- 87.1750
- 20.1678
- 51.8021
- 127.666
- 206.286
- 286.470
- 366.984
- 446.581
- 524.012
- 598.050
- 667.520
- 731.288
- 788.309
- 837.633
- 878.414



-909.930  
-931.592  
-942.955  
-943.721  
-933.748  
-913.049  
-881.794  
-840.306  
-789.059  
-728.670  
-659.882  
-583.571  
-500.712  
-412.383  
-319.741  
-224.000  
-126.420  
-28.2956  
69.0819  
164.424  
256.474  
344.022  
425.926  
501.129  
568.661  
627.675  
677.441  
717.367  
747.001  
766.044  
774.352  
771.933  
758.957  
735.740  
702.757  
660.611  
610.049  
551.927  
487.220  
416.983  
342.352  
264.518  
216.826

Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = -32.400862 Hz  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...  
Writing file ../../RESULTS/DAILY/\_111020//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed  
#####

CHIRP ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_111020/CHIRP...

\*\*\*\*\*  
\*\*\*\*\*  
CHIRP Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59

Analysing products WSM SS1 H/H

```
*****
Getting ScaleFactor data for WSM SS1 H/H from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...
Writing file ./RESULTS/DAILY/_111020/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-10-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111020/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_111020/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

Analysing products WSM SS1 V/V

```
*****
Getting ScaleFactor data for WSM SS1 V/V from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...
Writing file ./RESULTS/DAILY/_111020/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-10-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111020/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_111020/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

```
#####
Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111020/RAW_DATA
```

Creating directory ./RESULTS/DAILY/\_111020/RAW\_DATA...

```
*****
Getting raw data for WVS from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...
Writing file ./RESULTS/DAILY/_111020/RAW_DATA/Raw_data_WVS_2011-10-20.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_WVS_gain_imbalance.png...
```

```
*****
Getting raw data for IMM from 2011-10-20 00:00:00 to 2011-10-20 23:59:59...
Writing file ./RESULTS/DAILY/_111020/RAW_DATA/Raw_data_IMM_2011-10-20.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_111020/RAW_DATA/Raw_data_IMM_gain_imbalance.png...
```

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

```
#####
Analysis will be performed from 2011-10-20 00:00:00 to 2011-10-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111020/TELEMETRY
```

Creating directory ./RESULTS/DAILY/\_111020/TELEMETRY...

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

```
*****
```

```
Checking 19 products from PDE...
Found product...ASA_WVS_1PNPDE20111020_002801_000009653107_00390_50404_0468.N1 / 0 gaps / 8 missing lines
Found product...ASA_WVS_1PNPDE20111020_011914_000002553107_00390_50404_0464.N1 / 1 gaps / 0 missing lines
Found product...ASA_WVS_1PNPDE20111020_073513_000001203107_00394_50408_0407.N1 / 0 gaps / 88 missing lines
```



Found product...ASA\_WVS\_1PNPDE20111020\_212213\_000001203107\_00402\_50416\_0657.N1 / 0 gaps / 8 missing lines  
Checking 22 products from PDK...  
Found product...ASA\_WVS\_1PNPDK20111020\_131552\_000005473107\_00397\_50411\_4027.N1 / 0 gaps / 8 missing lines

Looking for gaps and missing lines in GM1 products...  
\*\*\*\*\*  
Checking 28 products from PDE...  
Checking 54 products from PDK...

Looking for gaps and missing lines in APM products...  
\*\*\*\*\*  
Checking 6 products from PDE...  
No products from PDK...

Looking for gaps and missing lines in IMM products...  
\*\*\*\*\*  
Checking 4 products from PDE...  
No products from PDK...

Looking for gaps and missing lines in WSM products...  
\*\*\*\*\*  
Checking 17 products from PDE...  
Found product...ASA\_WSM\_1PNPDE20111020\_150014\_00000923107\_00399\_50413\_0608.N1 / 0 gaps / 6 missing lines  
Checking 9 products from PDK...

Creating graph of missing lines and gaps...  
\*\*\*\*\*  
Creating image: ./RESULTS/DAILY/\_111020/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/\_111020/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed  
#####

HTML REPORT generation  
#####

Building file ./RESULTS/DAILY/\_111020/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_1PNPDE20111020_022607_000000703107_00391_50405_0460.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111020_072455_000002243107_00394_50408_0425.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111020_072842_000000563107_00394_50408_0424.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111020_090331_000000423107_00395_50409_0381.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111020_140736_000000843107_00398_50412_0610.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111020_164039_000000433107_00400_50414_0614.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_1PNPDE20111020_001322_000001443107_00390_50404_0473.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_001922_000005193107_00390_50404_0470.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_004455_000001083107_00390_50404_0469.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_004749_000003623107_00390_50404_0467.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_005959_000001143107_00390_50404_0466.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_010430_000004893107_00390_50404_0463.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_012816_000003983107_00390_50404_0452.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_014833_000002833107_00391_50405_0451.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_015655_000009793107_00391_50405_0447.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_021448_000002053107_00391_50405_0446.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_022301_000001873107_00391_50405_0445.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_024012_000000783107_00391_50405_0442.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_024519_000008283107_00391_50405_0441.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_030251_000001383107_00391_50405_0440.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_030520_000002233107_00391_50405_0438.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_073357_000000663107_00394_50408_0408.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_201407_000002173107_00402_50416_0653.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_202339_000004043107_00402_50416_0654.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_210246_000000903107_00402_50416_0655.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_210758_000005193107_00402_50416_0658.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_212829_000010273107_00402_50416_0677.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_214811_000001573107_00403_50417_0686.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_220433_000002953107_00403_50417_0682.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_224300_000000963107_00403_50417_0681.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_224725_000005193107_00403_50417_0685.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_232012_000001203107_00404_50418_0701.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_233651_000001873107_00404_50418_0702.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111020_234405_000005613107_00404_50418_0705.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_074054_000000783107_00394_50408_3899.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_074337_000005313107_00394_50408_3901.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_075812_000000963107_00394_50408_3902.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_083138_000006773107_00395_50409_3904.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_084145_000002233107_00395_50409_3933.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_084702_000000723107_00395_50409_3934.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_085825_000000903107_00395_50409_3935.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_090432_000001573107_00395_50409_3936.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_092734_000003503107_00395_50409_3938.N1					OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_103809_000003563107_00396_50410_3967.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_110623_000003383107_00396_50410_3971.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_111840_000000963107_00396_50410_3970.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_112311_000000903107_00396_50410_3976.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_115216_000001443107_00397_50411_3977.N1					OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_124133_000001633107_00397_50411_4016.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_124800_000003803107_00397_50411_4017.N1					OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_130642_000003023107_00397_50411_4022.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_131312_000001573107_00397_50411_4023.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_132544_000005493107_00398_50412_4024.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_133729_000002593107_00398_50412_4025.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_133729_000002593107_00398_50412_4026.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_134041_000004713107_00398_50412_4043.N1					OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_142152_000001263107_00398_50412_4053.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_142735_000007913107_00398_50412_4054.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_144628_000002293107_00398_50412_4058.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20111020_145333_000002173107_00398_50412_4056.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_150149_000008703107_00399_50413_4061.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_153535_000001143107_00399_50413_4086.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_160203_000008403107_00399_50413_4088.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_164142_000008103107_00400_50414_4091.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_170342_000001443107_00400_50414_4113.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_170847_000001383107_00400_50414_4114.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_171253_000004473107_00400_50414_4115.N1	OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_182139_000008223107_00401_50415_4120.N1	OK	OK	OK	OK
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ASA_GM1_1PNPDK20111020_183511_000001573107_00401_50415_4145.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_184412_000000663107_00401_50415_4146.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_184925_000001383107_00401_50415_4151.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_192231_000000723107_00401_50415_4152.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_193031_000003143107_00401_50415_4160.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_195211_000008163107_00401_50415_4161.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111020_200642_000001993107_00402_50416_4163.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_1PNPDE20111020_073031_000001963107_00394_50408_0423.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111020_084528_000000823107_00395_50409_0385.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111020_085409_000000383107_00395_50409_0382.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111020_112442_000000373107_00396_50410_0542.N1	OK	OK	OK	OK



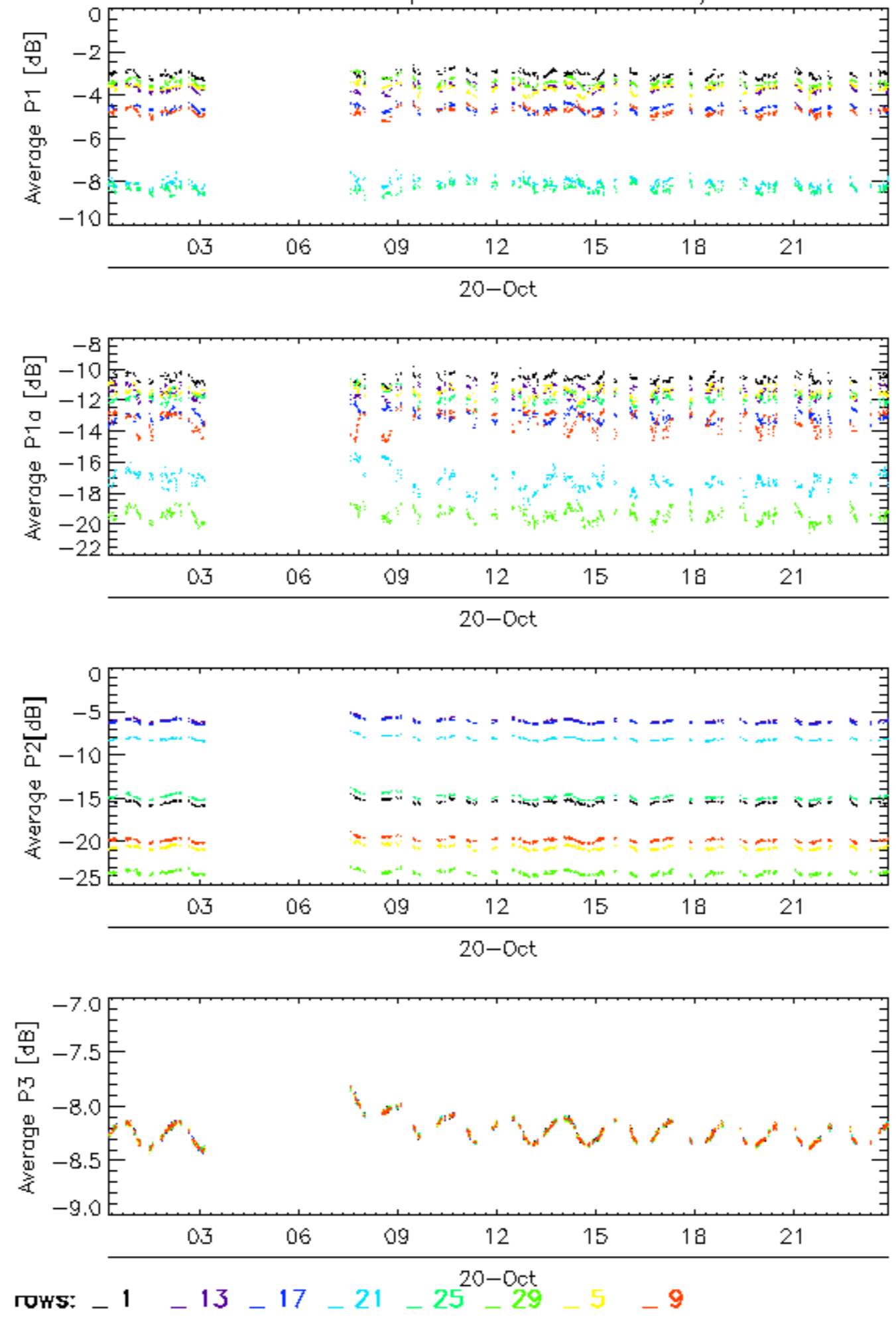
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
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ASA_WSM_1PNPDE20111020_001550_000002083107_00390_50404_0480.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_010202_000001353107_00390_50404_0482.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_015321_000002143107_00391_50405_0461.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_024138_000002203107_00391_50405_0458.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_084825_000000923107_00395_50409_0383.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_090002_000001353107_00395_50409_0644.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_092020_000004283107_00395_50409_0696.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_093328_000002393107_00395_50409_0524.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_110059_000003123107_00396_50410_0567.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_111202_000003923107_00396_50410_0589.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_115448_000001473107_00397_50411_0541.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_122607_000001353107_00397_50411_0540.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_134837_000001223107_00398_50412_0611.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_150014_000000923107_00399_50413_0608.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_152441_000001533107_00399_50413_0615.N1	OK	OK	OK	OK
ASA_WSM_1PNPDE20111020_161603_000002753107_00399_50413_0607.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_075235_000003303107_00394_50408_3911.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_084825_000002513107_00395_50409_3912.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_102212_000001533107_00396_50410_3943.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_102635_000001283107_00396_50410_3950.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_120154_000003123107_00397_50411_3986.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_124420_000002203107_00397_50411_4029.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_124420_000002203107_00397_50411_4031.N1	OK	OK	OK	OK
ASA_WSM_1PNPDK20111020_125423_000001903107_00397_50411_4028.N1	OK	OK	OK	OK
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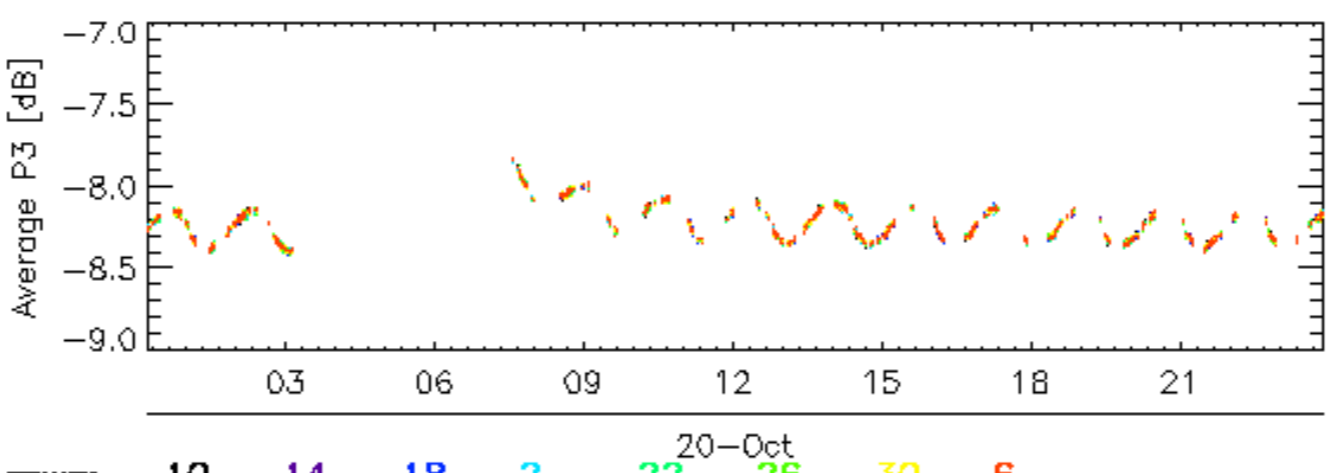
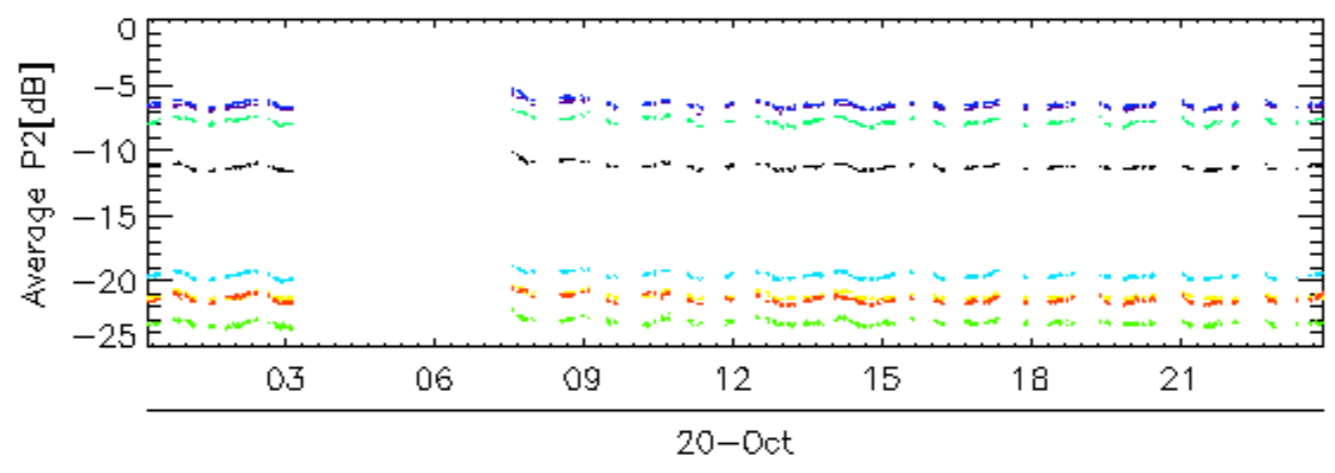
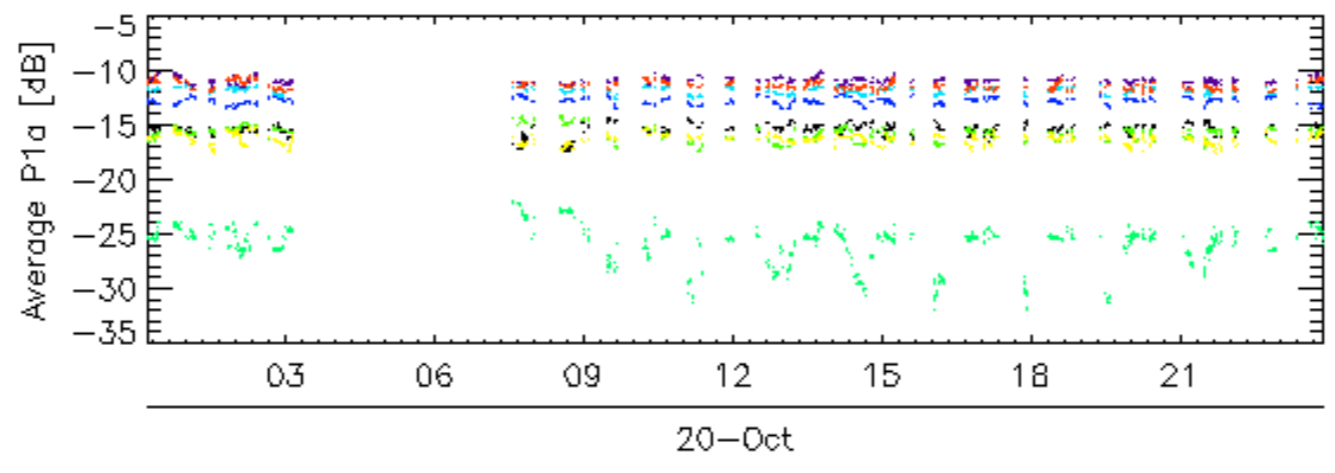
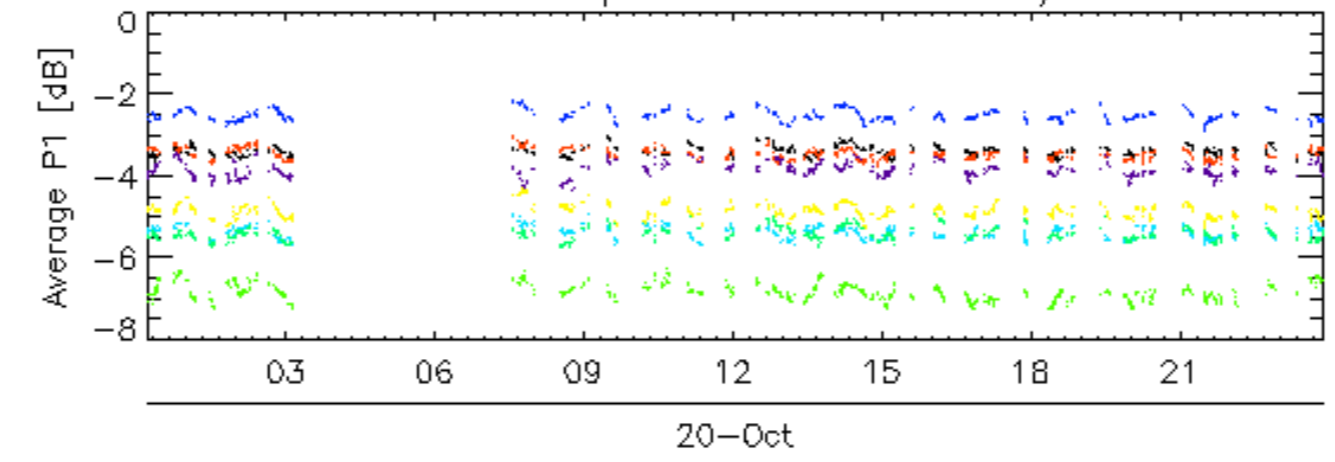
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
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ASA_WVS_1PNPDE20111020_005352_000003153107_00390_50404_0465.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_011914_000002553107_00390_50404_0464.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_012244_000001953107_00390_50404_0459.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_013457_000007793107_00391_50405_0444.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_021945_000001493107_00391_50405_0443.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_022723_000007193107_00391_50405_0439.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_025911_000001803107_00391_50405_0437.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_073513_000001203107_00394_50408_0407.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_203024_000018893107_00402_50416_0656.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_212213_000001203107_00402_50416_0657.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_212358_000000153107_00402_50416_0679.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_220930_000019643107_00403_50417_0683.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_230149_000003443107_00403_50417_0684.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_230649_000007493107_00403_50417_0700.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_232215_000006743107_00404_50418_0703.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111020_235329_000008693107_00404_50418_0717.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_073658_000001953107_00394_50408_3900.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_075953_000018593107_00394_50408_3903.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_090710_000007493107_00395_50409_3937.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_094007_000019043107_00395_50409_3941.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_104407_000009743107_00396_50410_3969.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20111020_112526_000015743107_00396_50410_3979.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_121528_000005993107_00397_50411_4014.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_123331_000004353107_00397_50411_4019.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_130034_000002253107_00397_50411_4021.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_131552_000005473107_00397_50411_4027.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_135513_000002393107_00398_50412_4045.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_141842_000001503107_00398_50412_4055.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_144048_000003003107_00398_50412_4057.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_145021_000001493107_00398_50412_4059.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_145714_000000743107_00399_50413_4060.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_154407_000010343107_00399_50413_4087.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_162053_000011393107_00399_50413_4090.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_172021_000012743107_00400_50414_4116.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_180120_000011693107_00400_50414_4118.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111020_185416_000016493107_00401_50415_4159.N1					OK	OK	OK	OK
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Calibration pulses for GM1 SS3 H/H

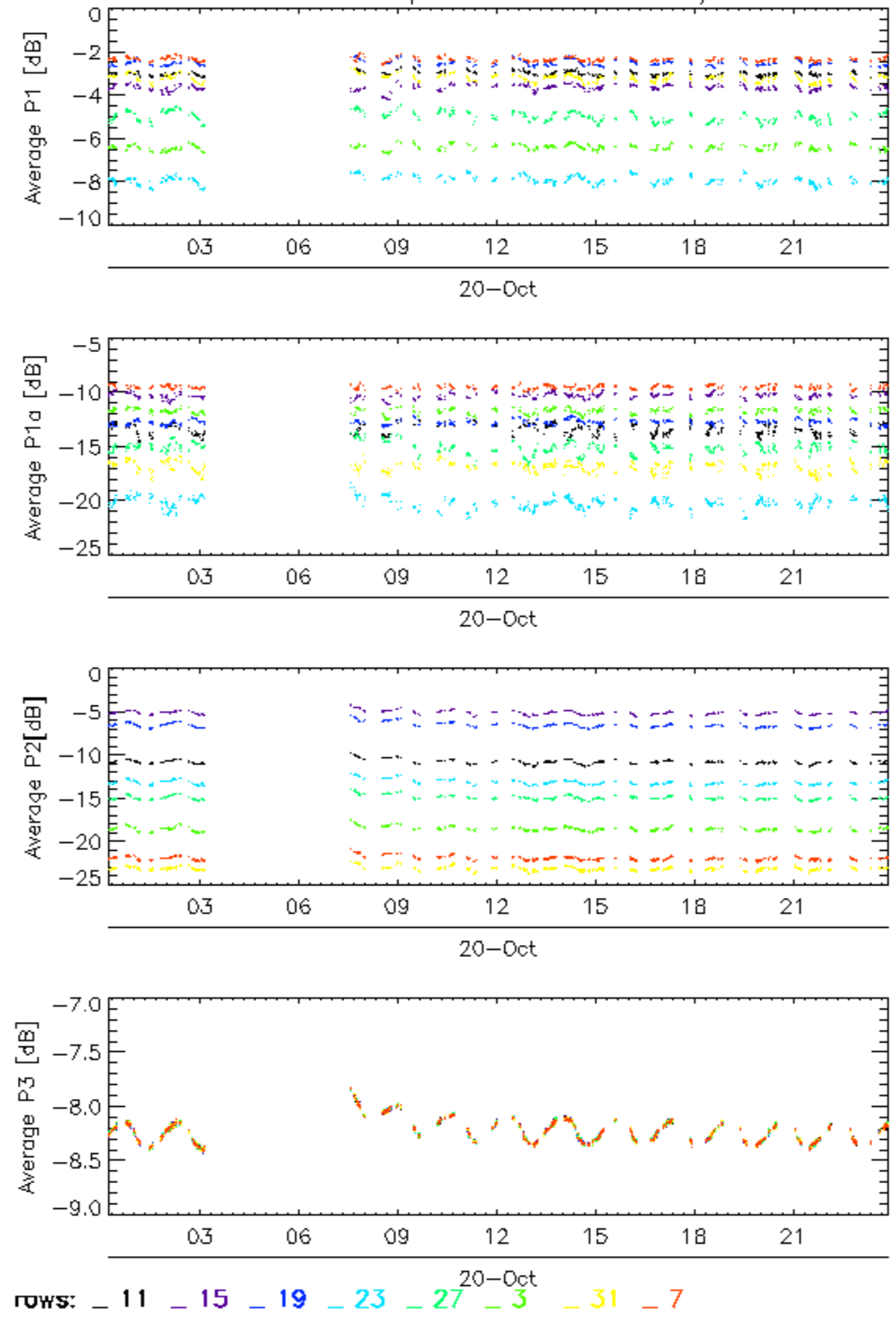


### Calibration pulses for GM1 SS3 H/H

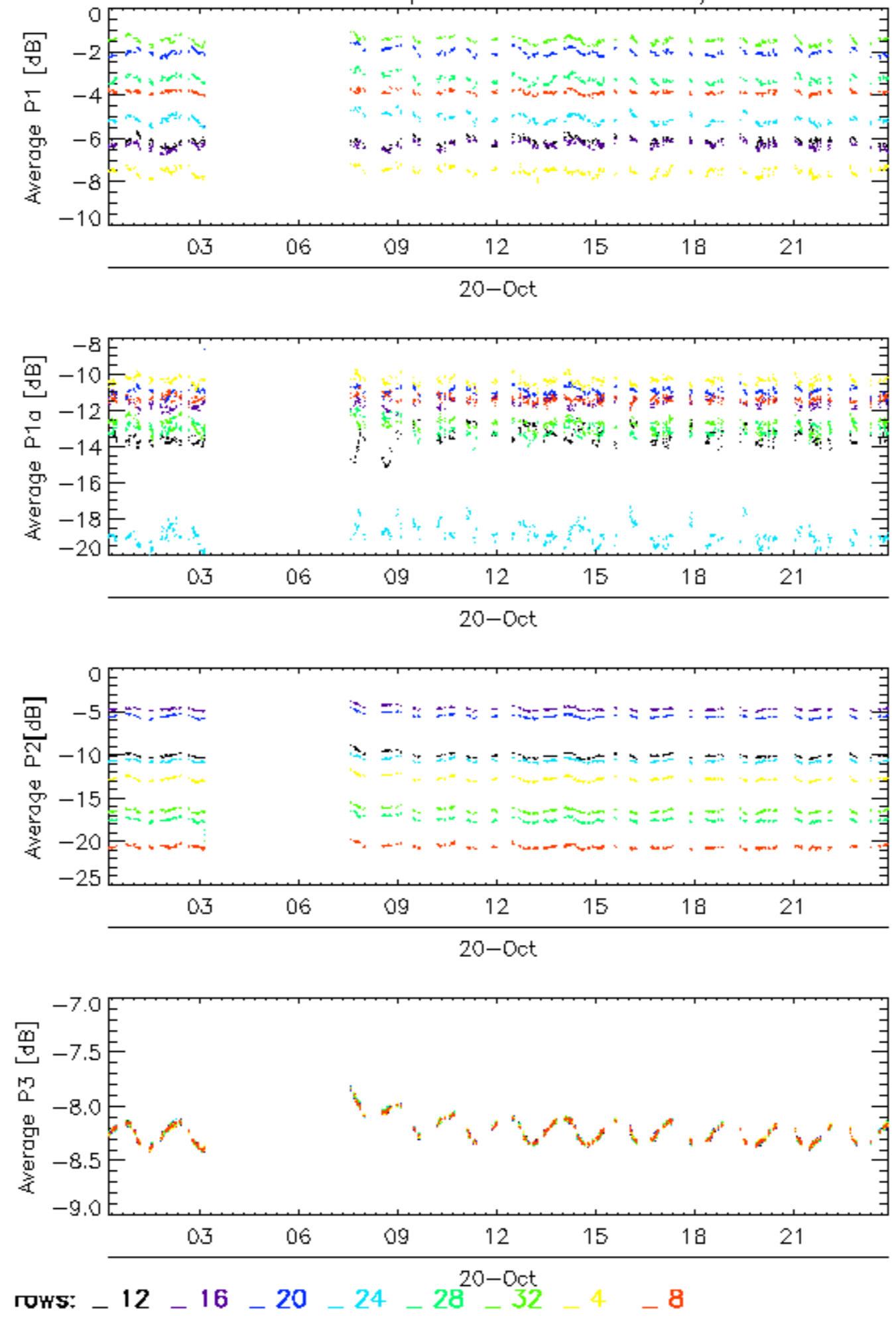


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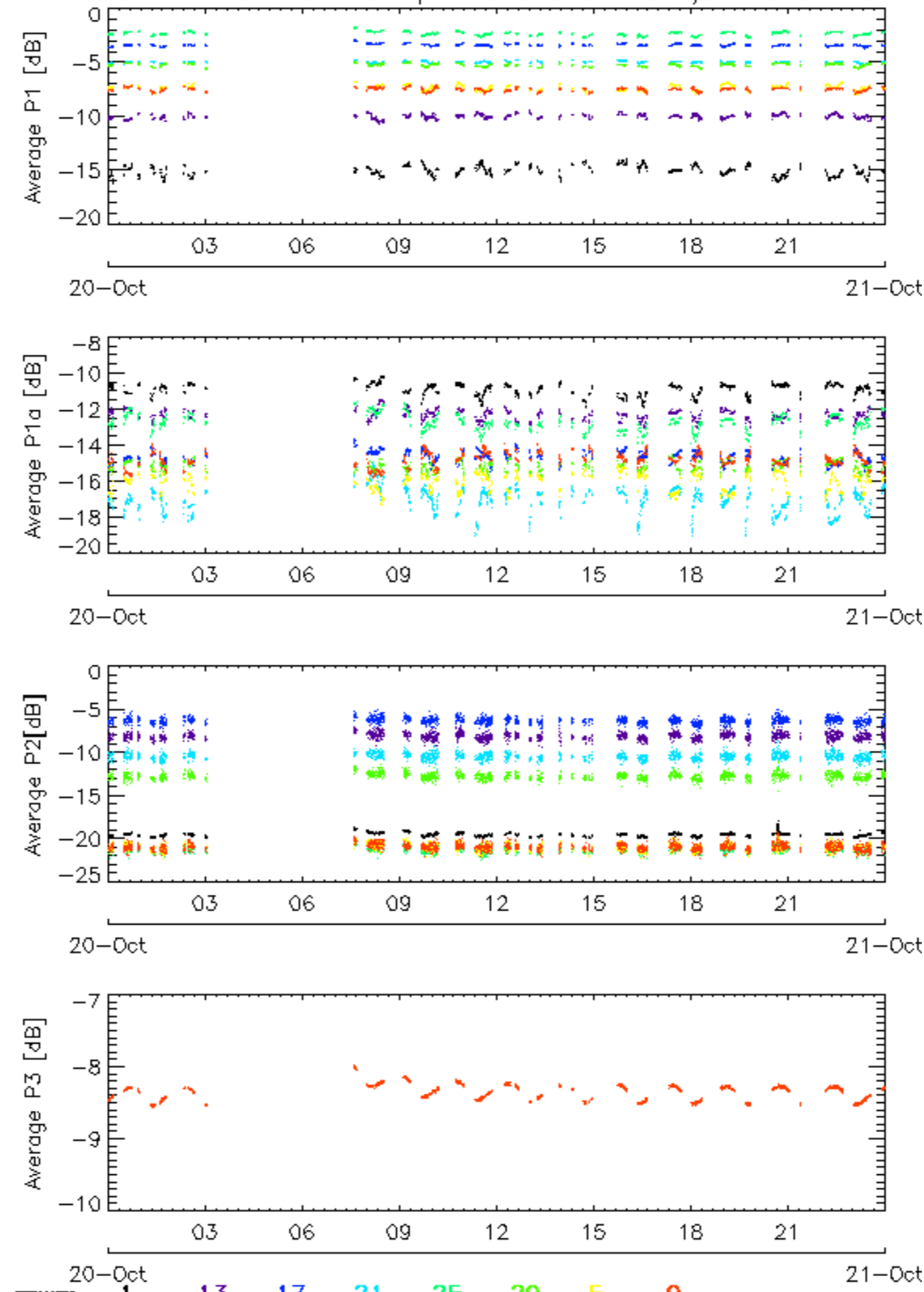
### Calibration pulses for GM1 SS3 H/H



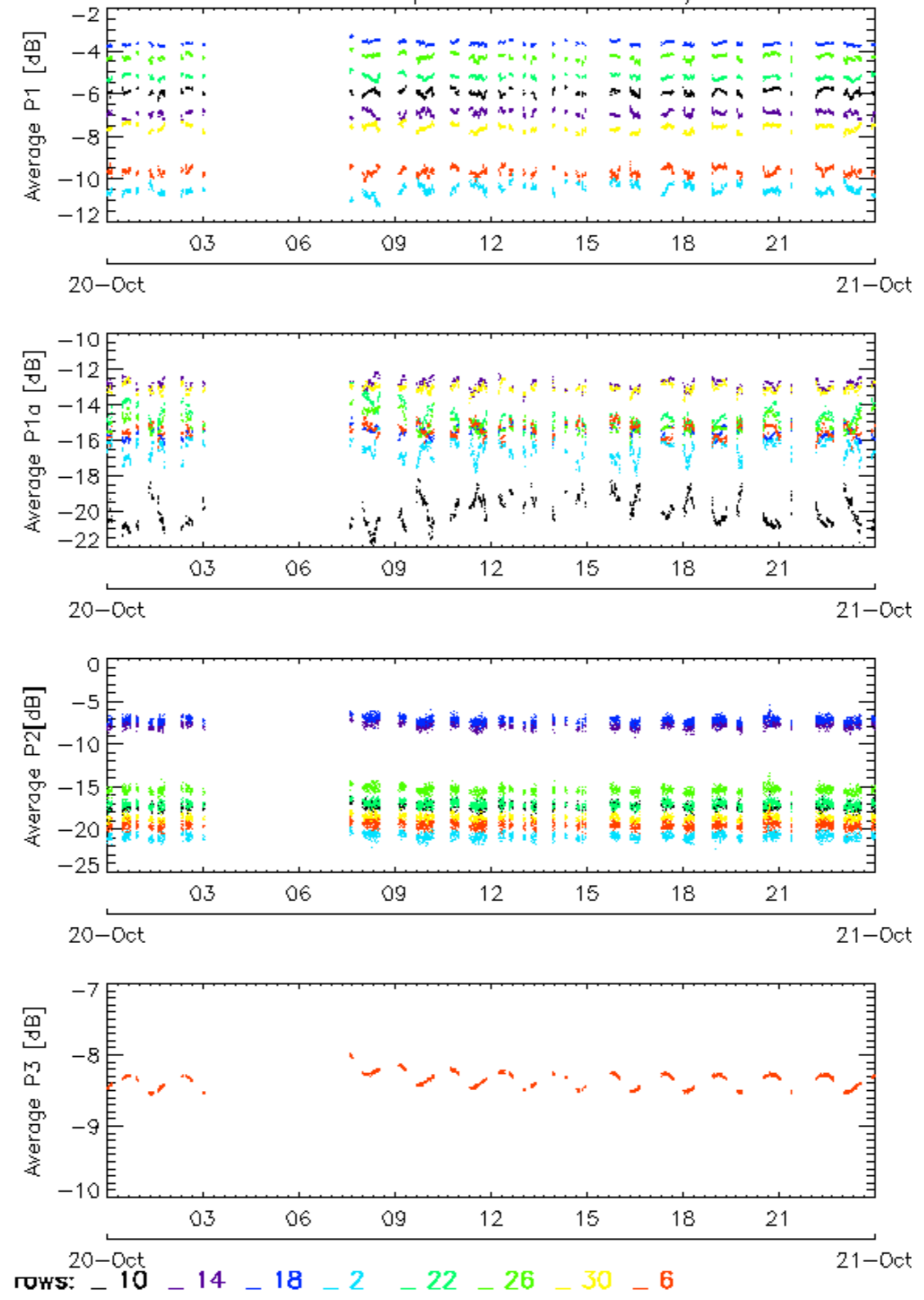
Calibration pulses for GM1 SS3 H/H



Calibration pulses for WVS IS2 V/V

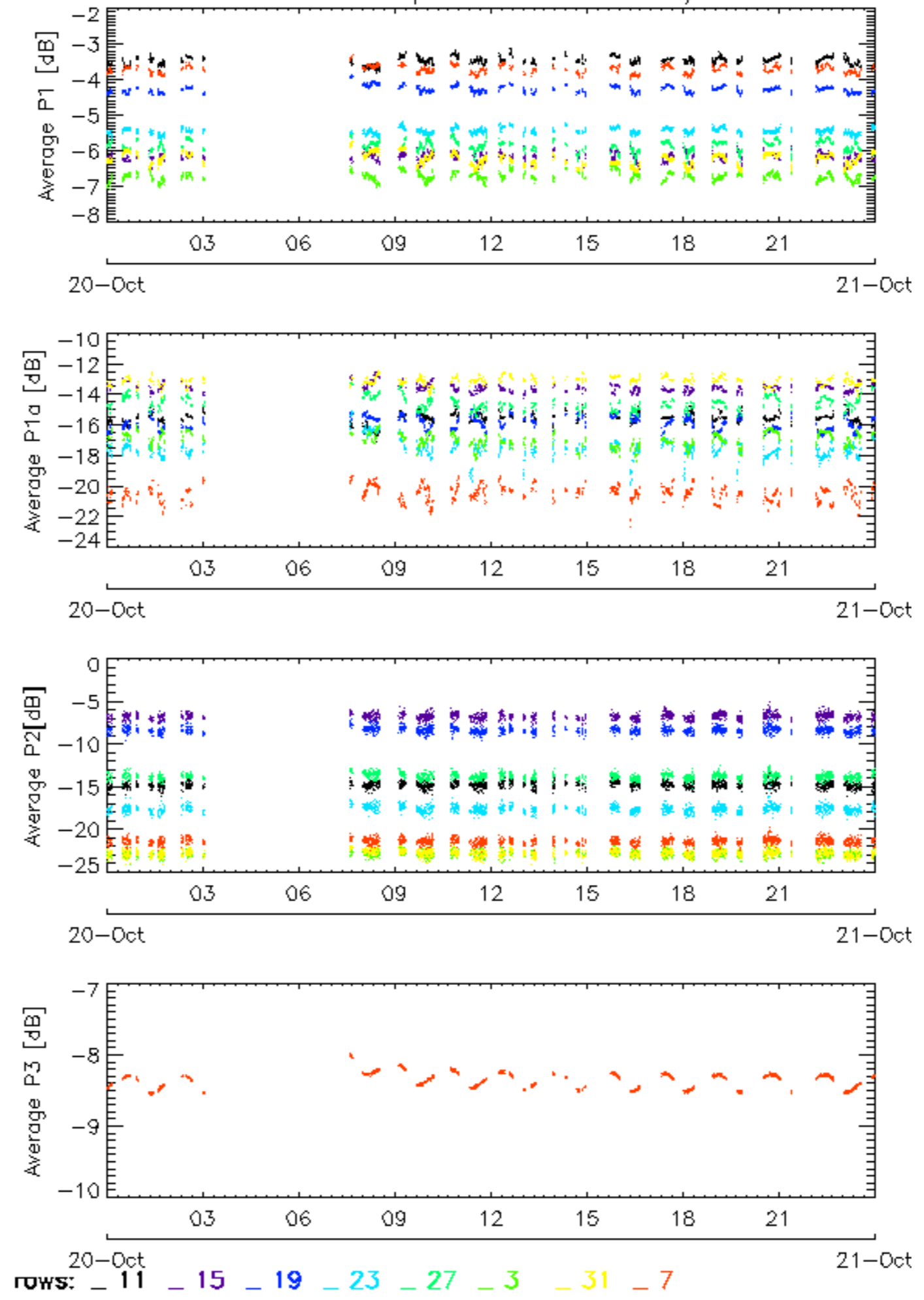


### Calibration pulses for WVS IS2 V/V

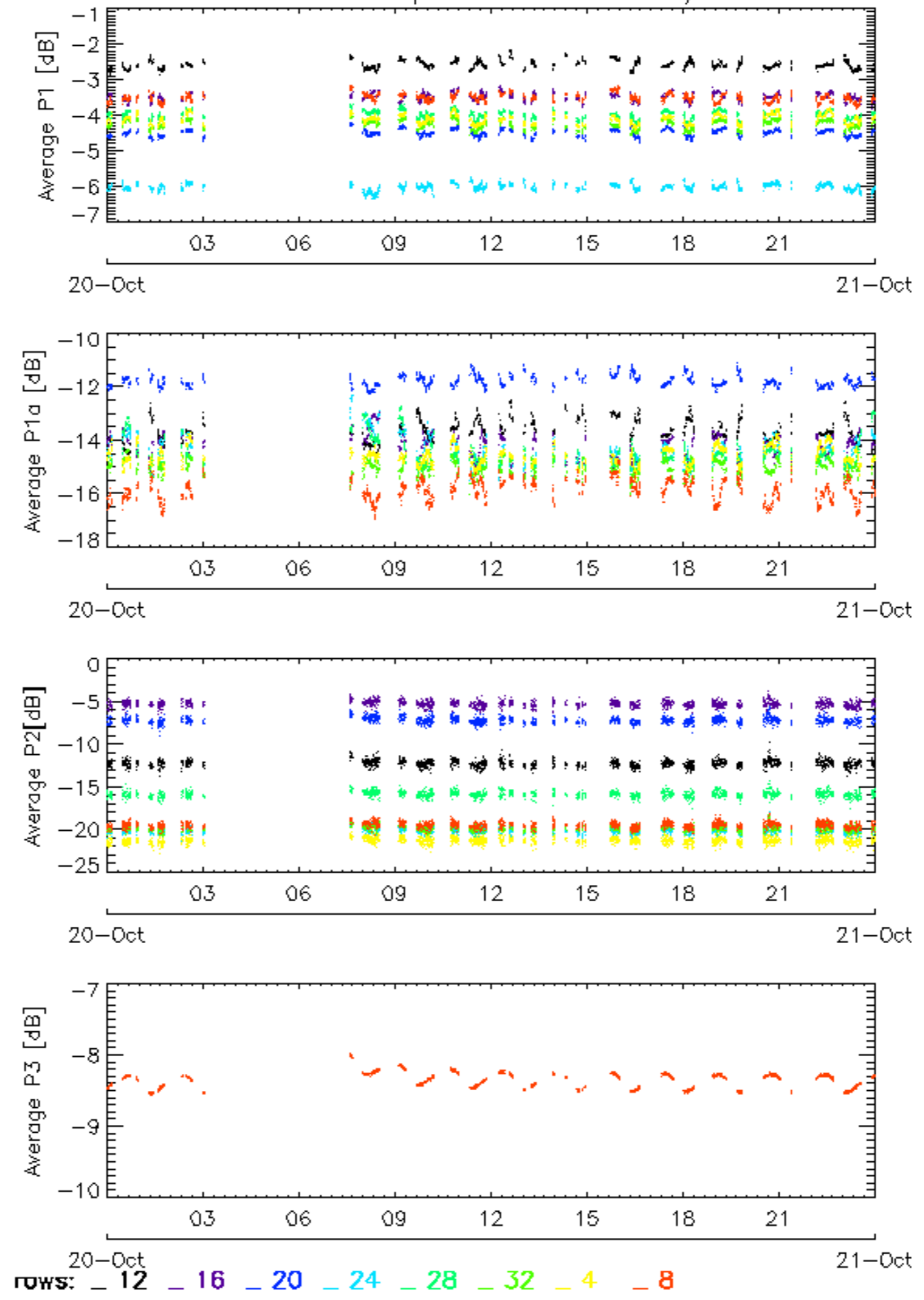


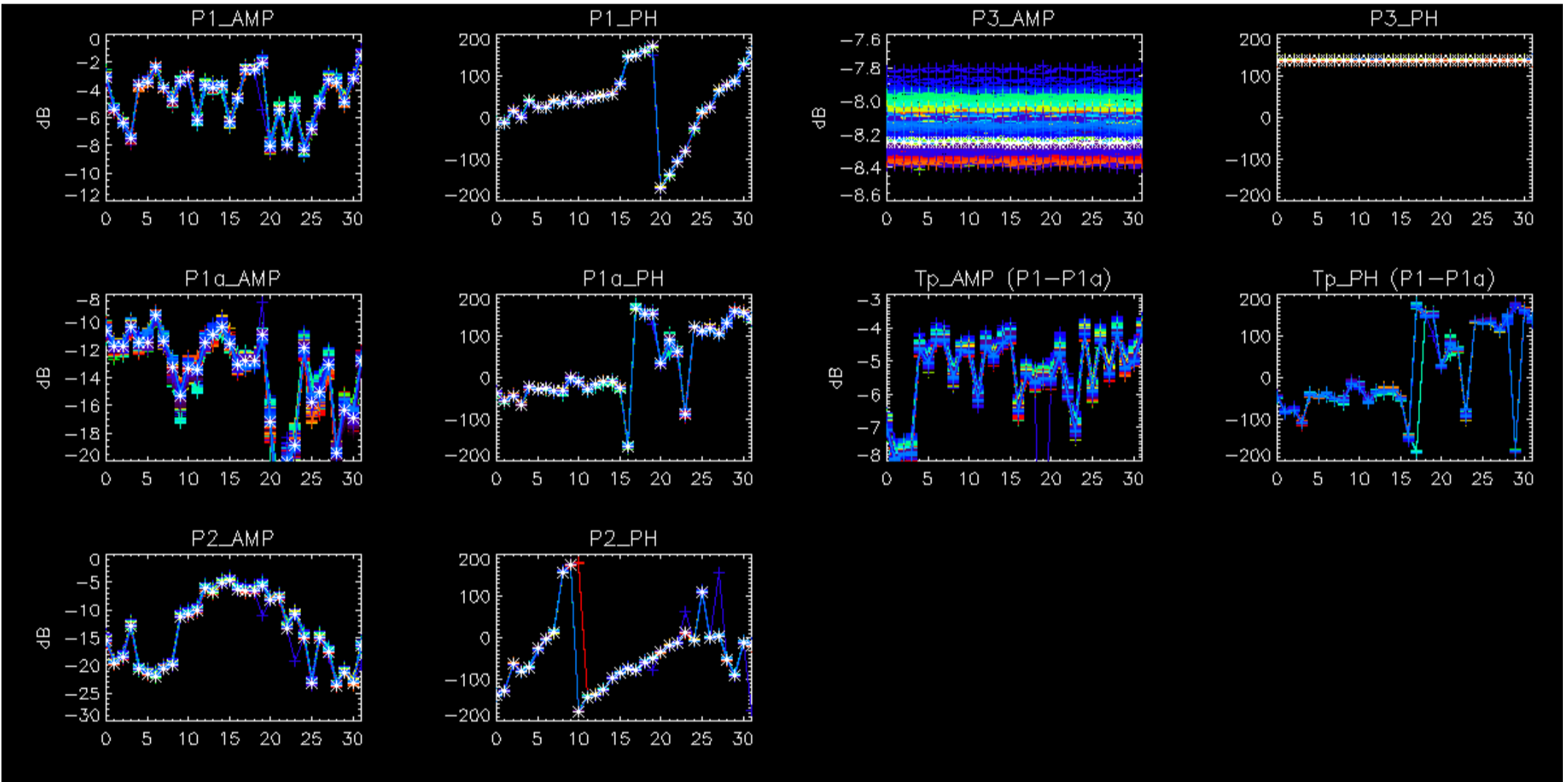


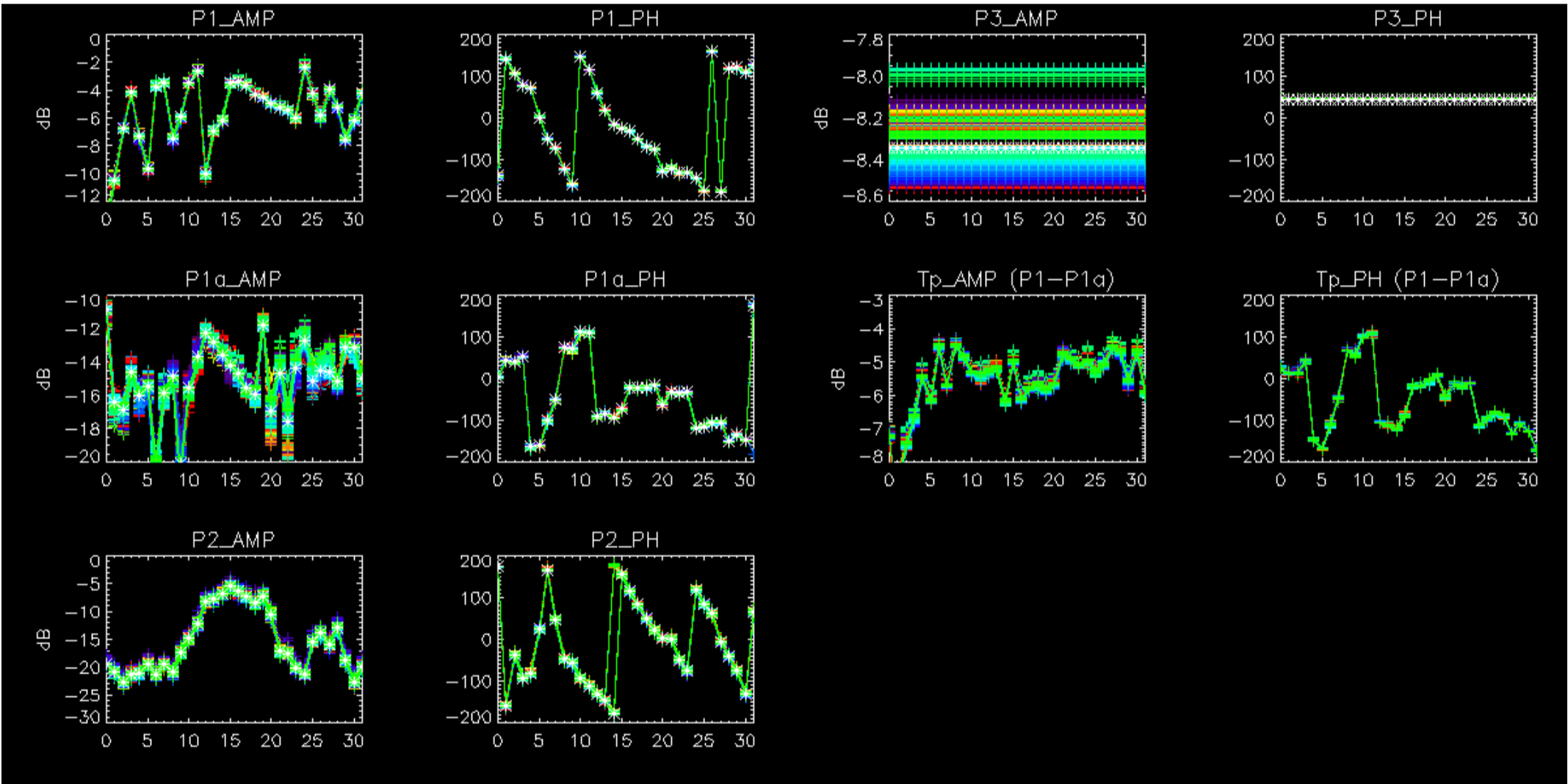
### Calibration pulses for WVS IS2 V/V

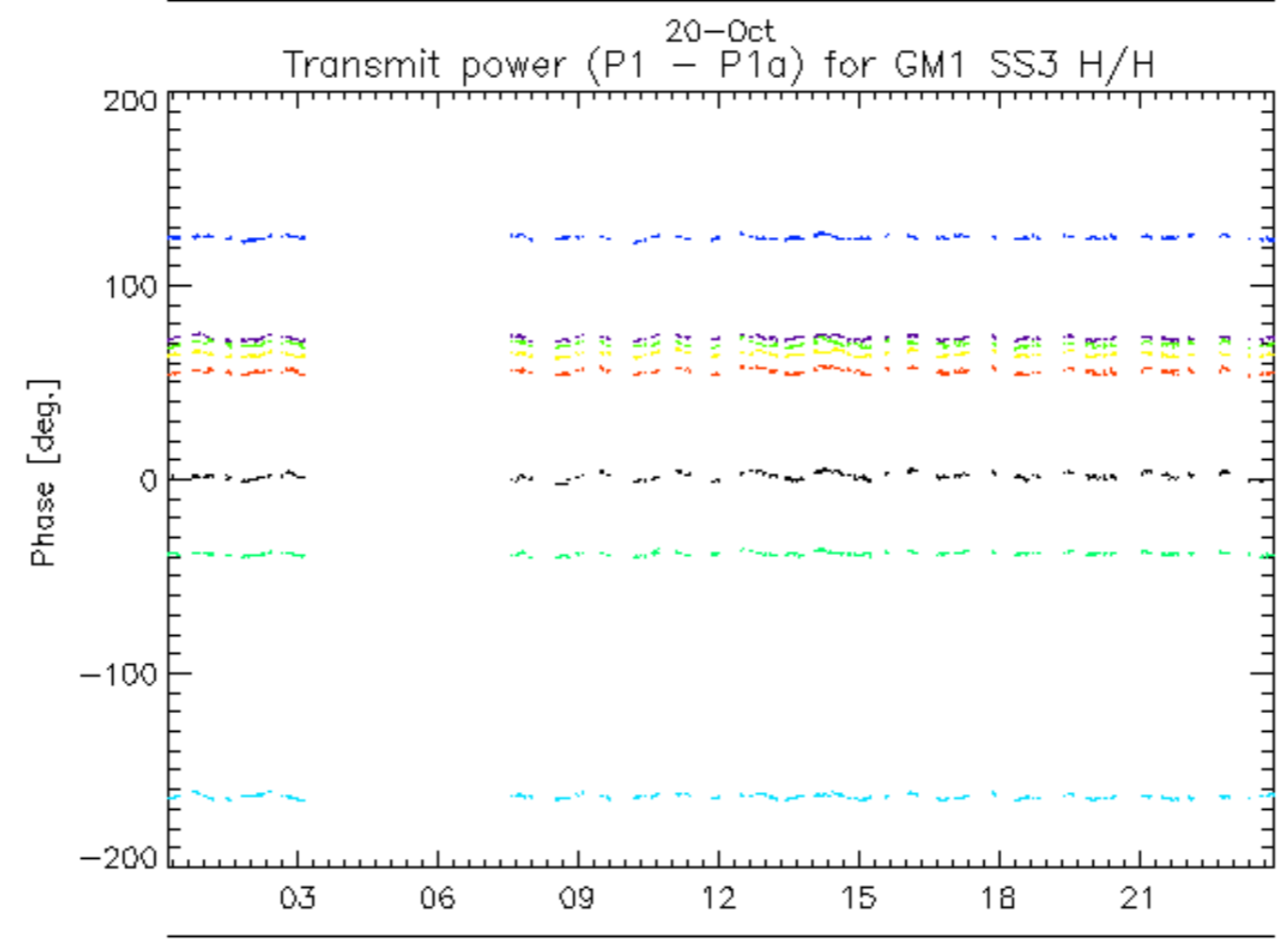
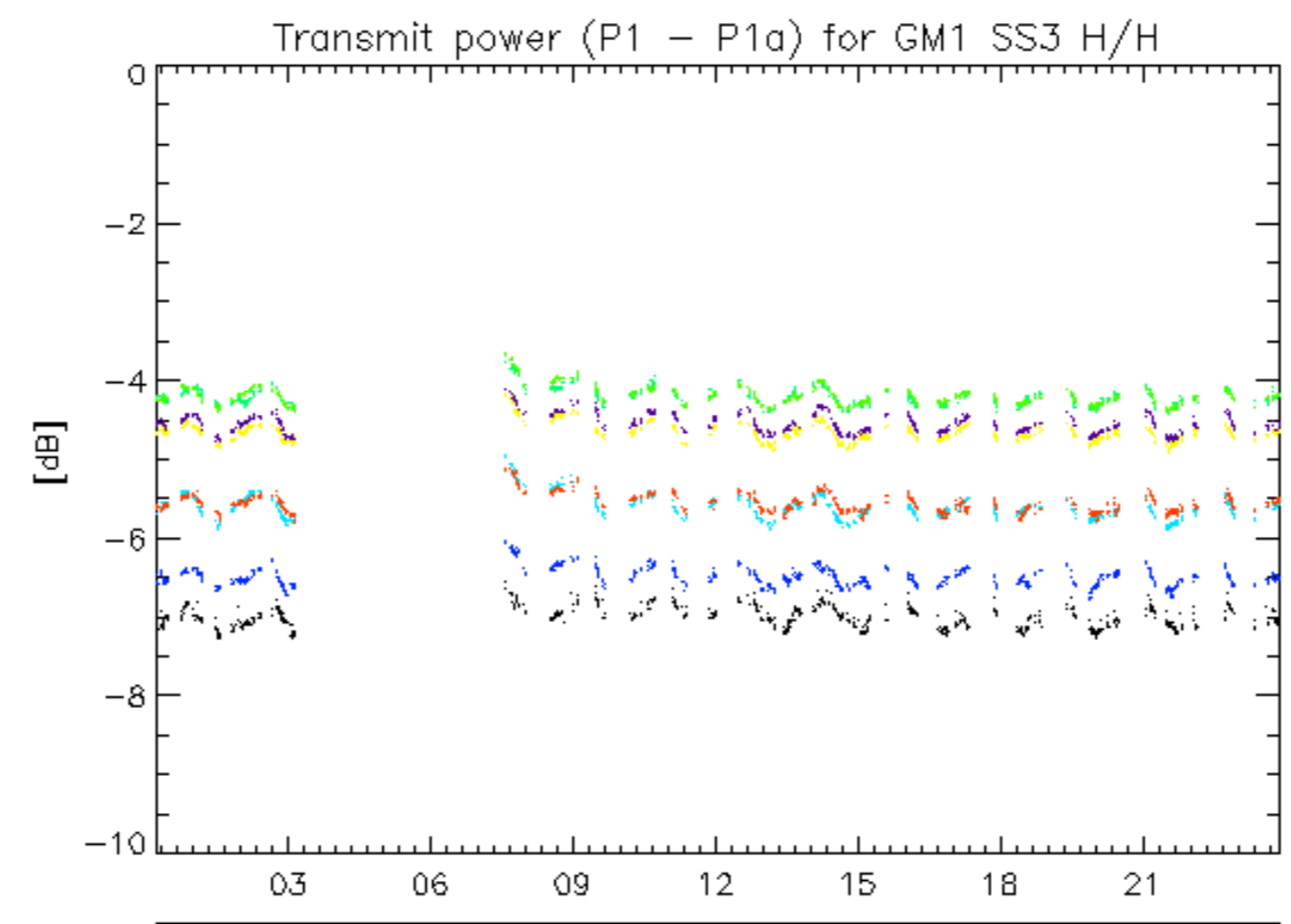


### Calibration pulses for WVS IS2 V/V

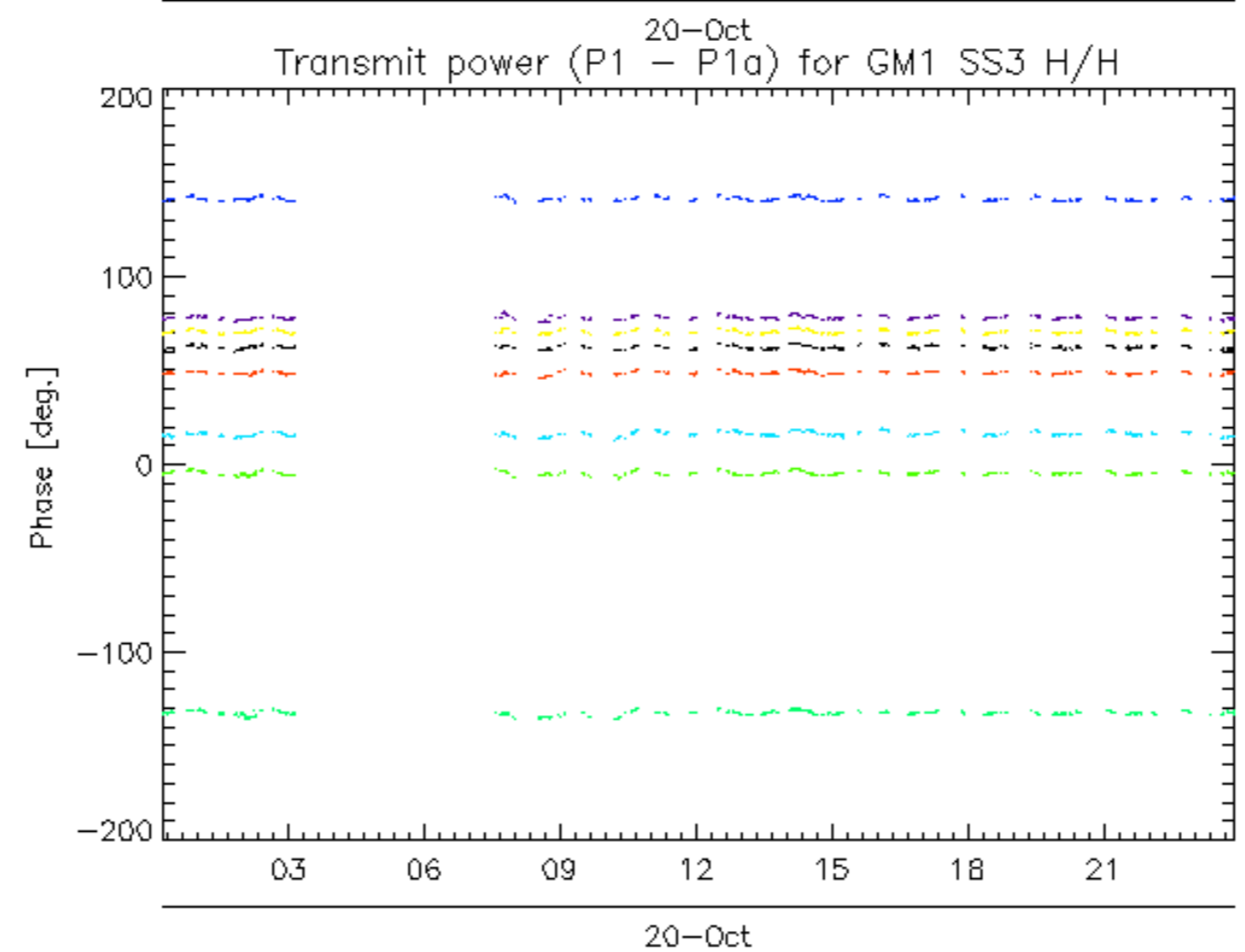
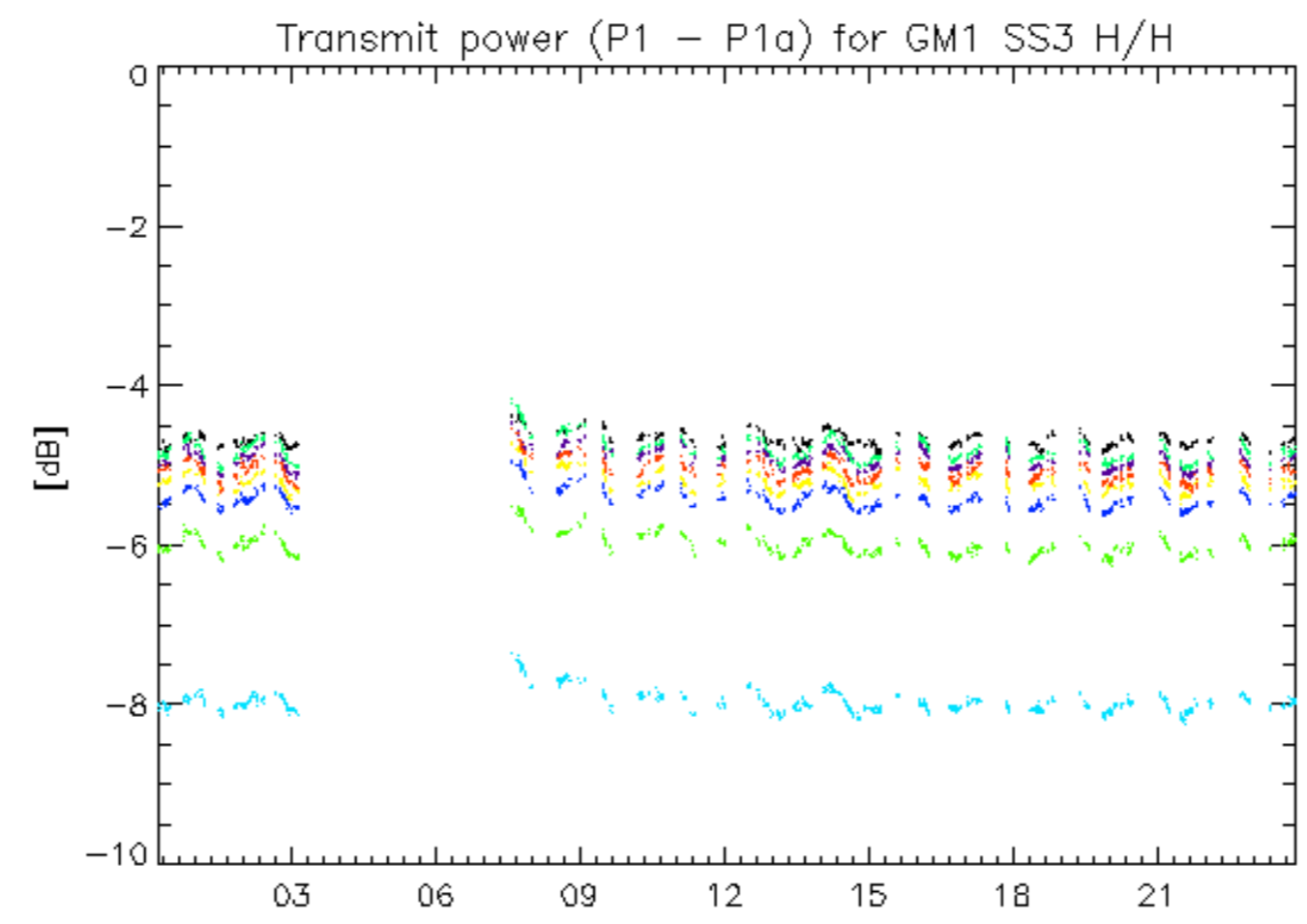




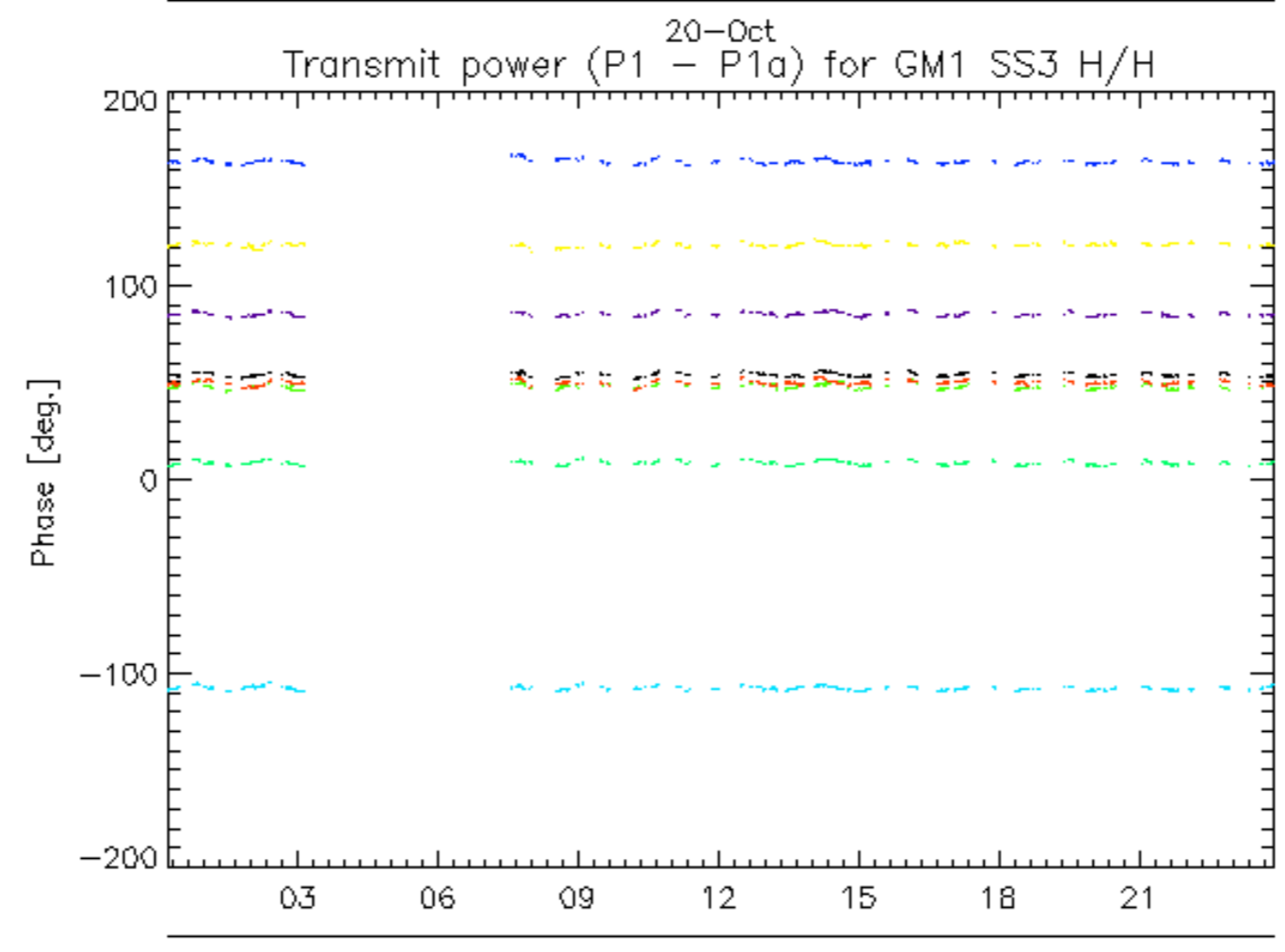
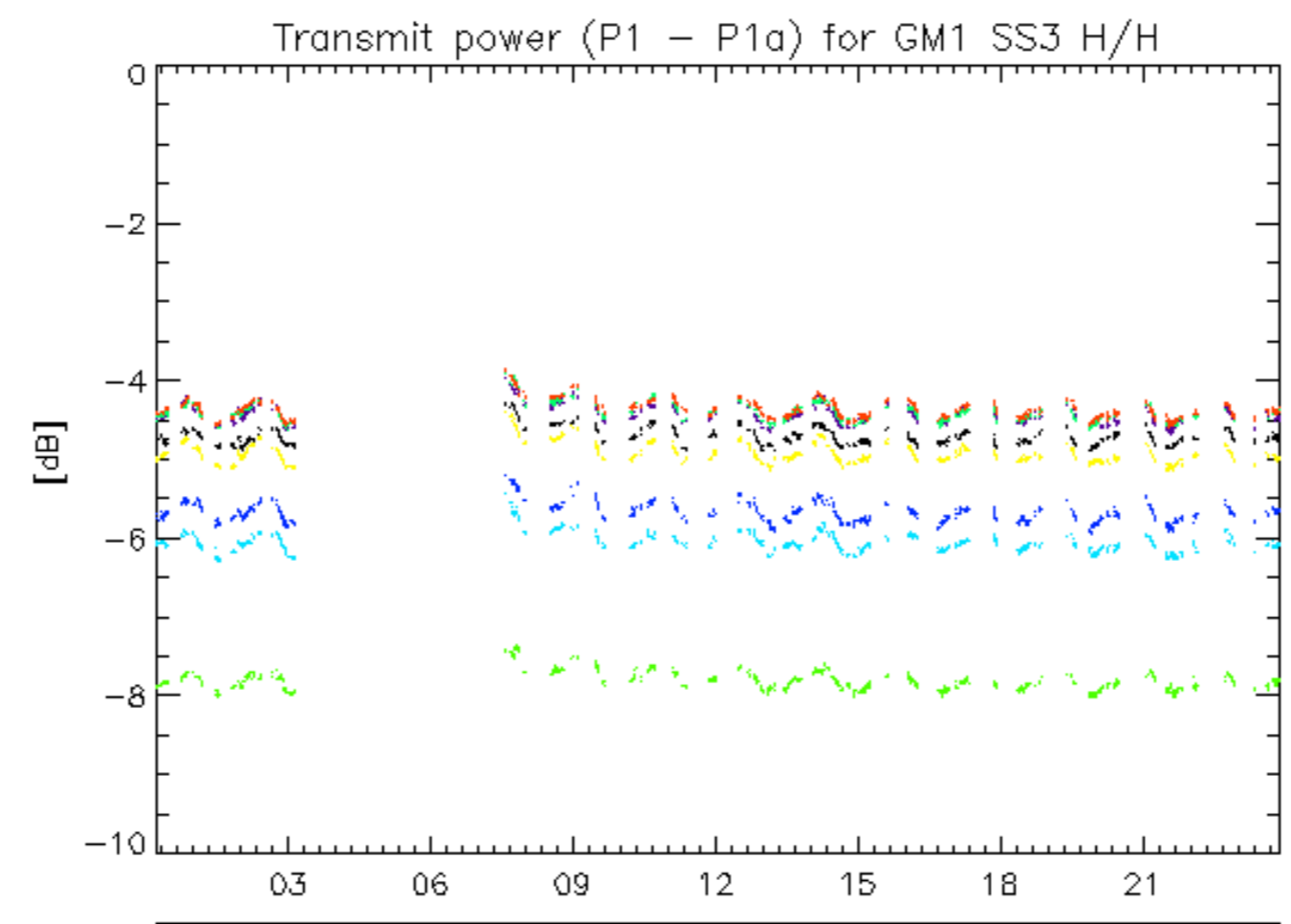




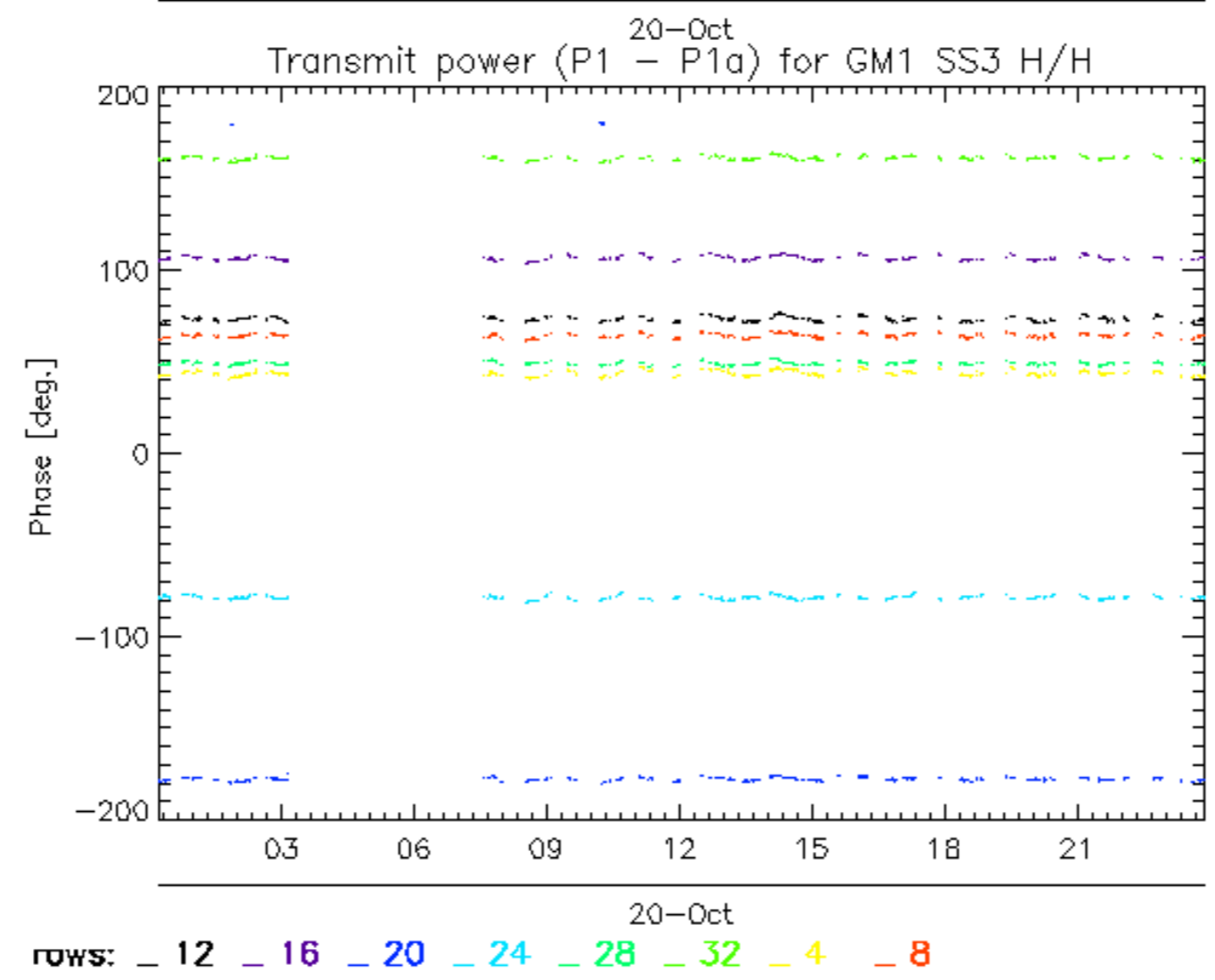
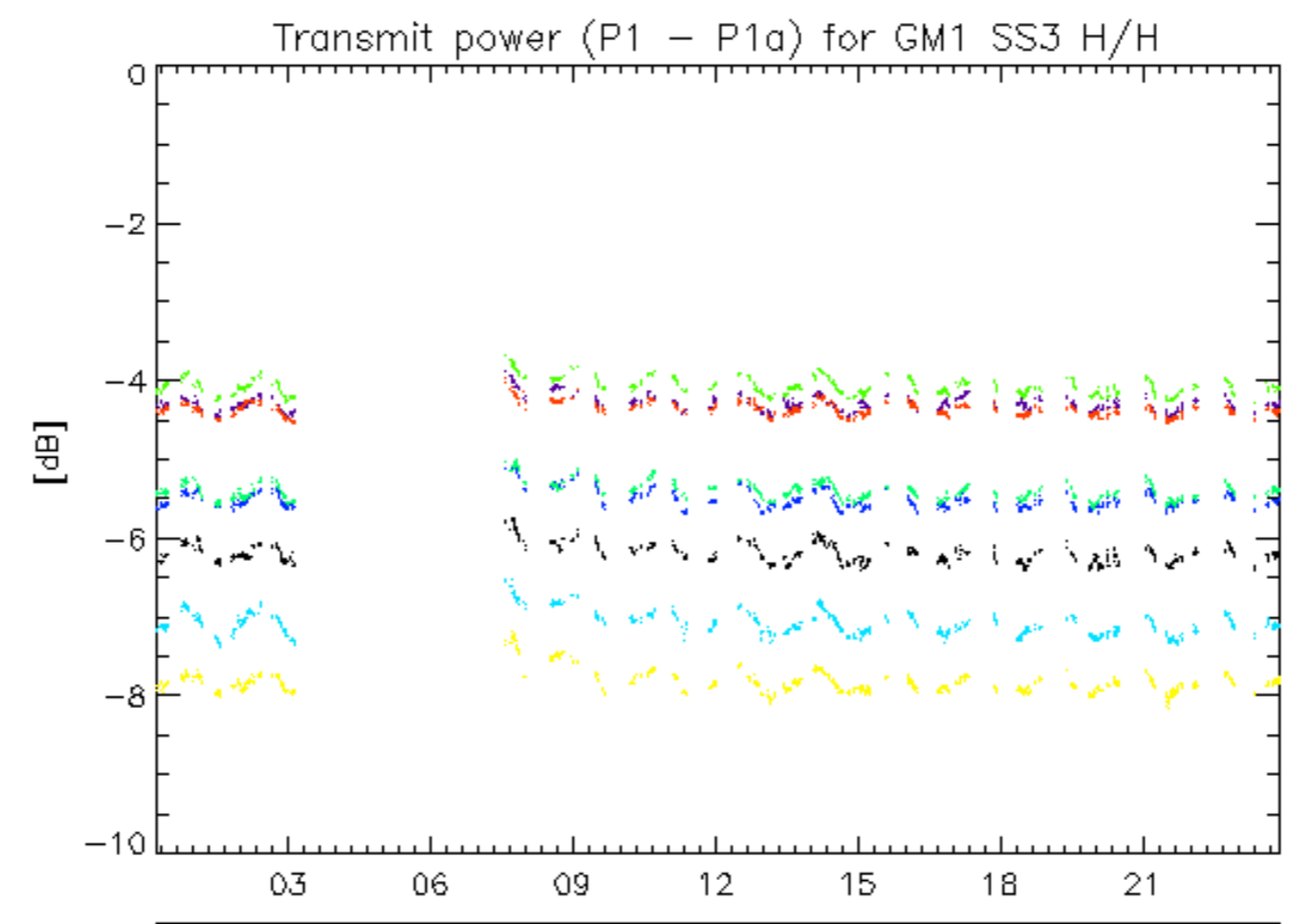
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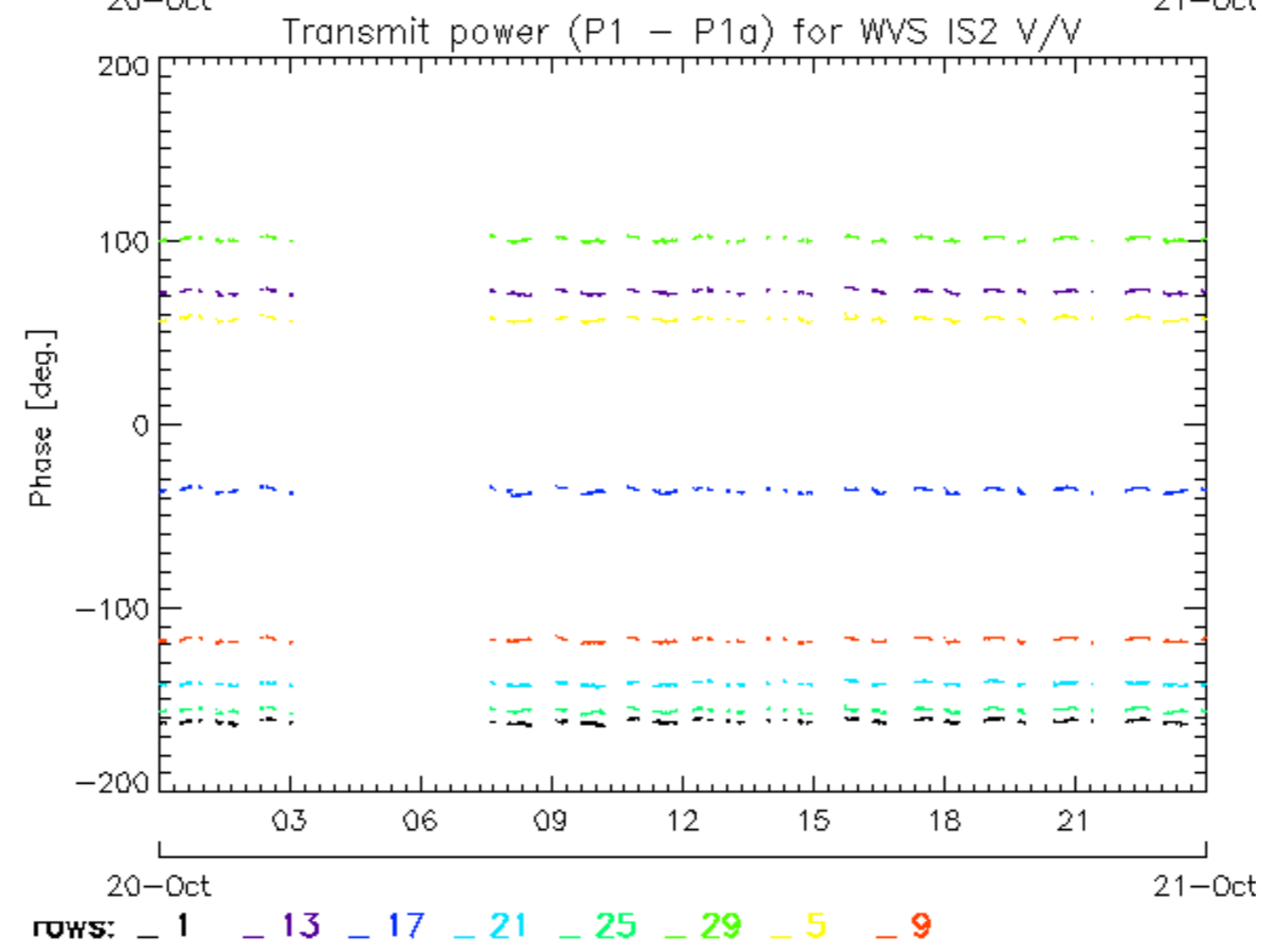
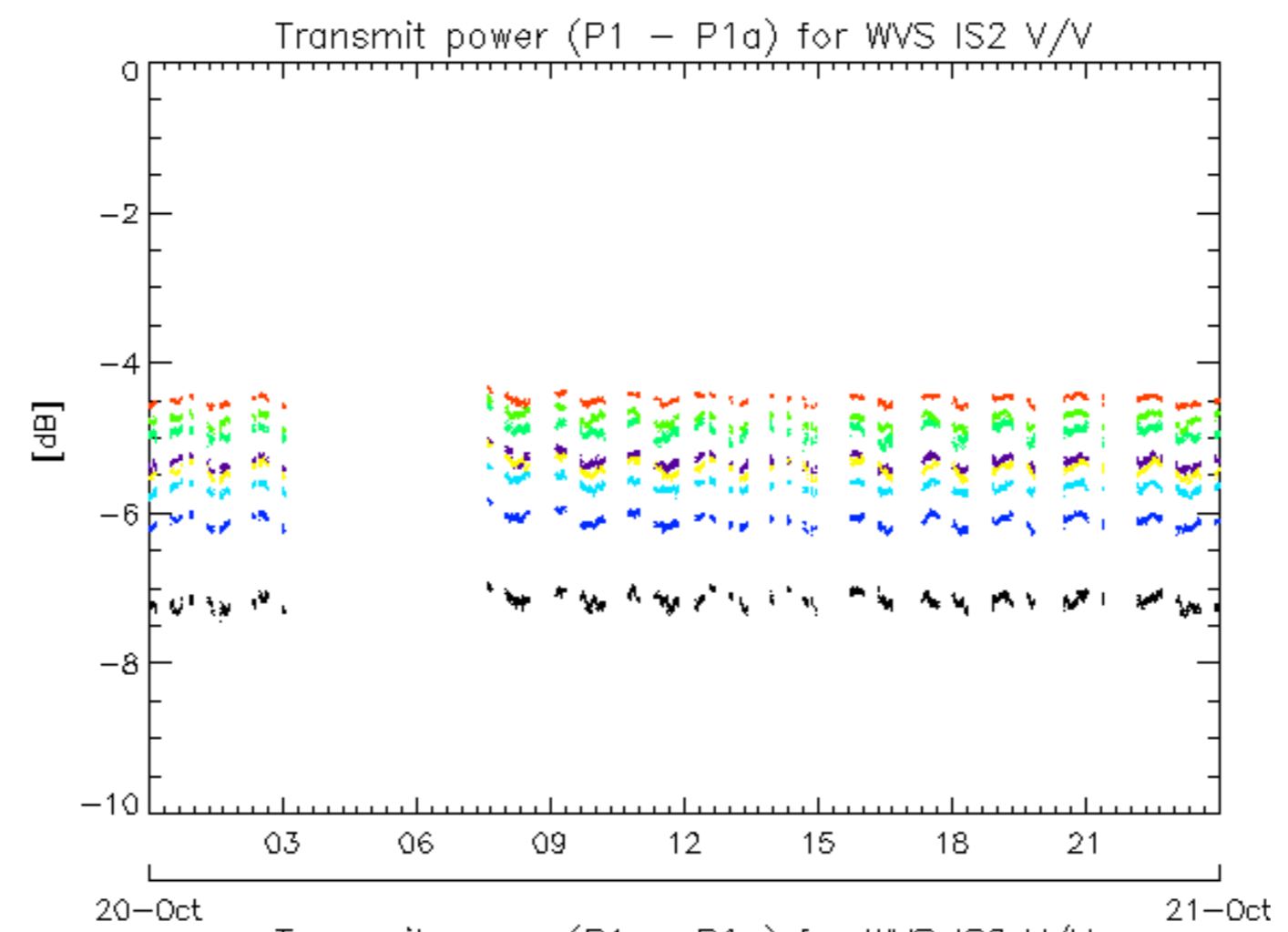
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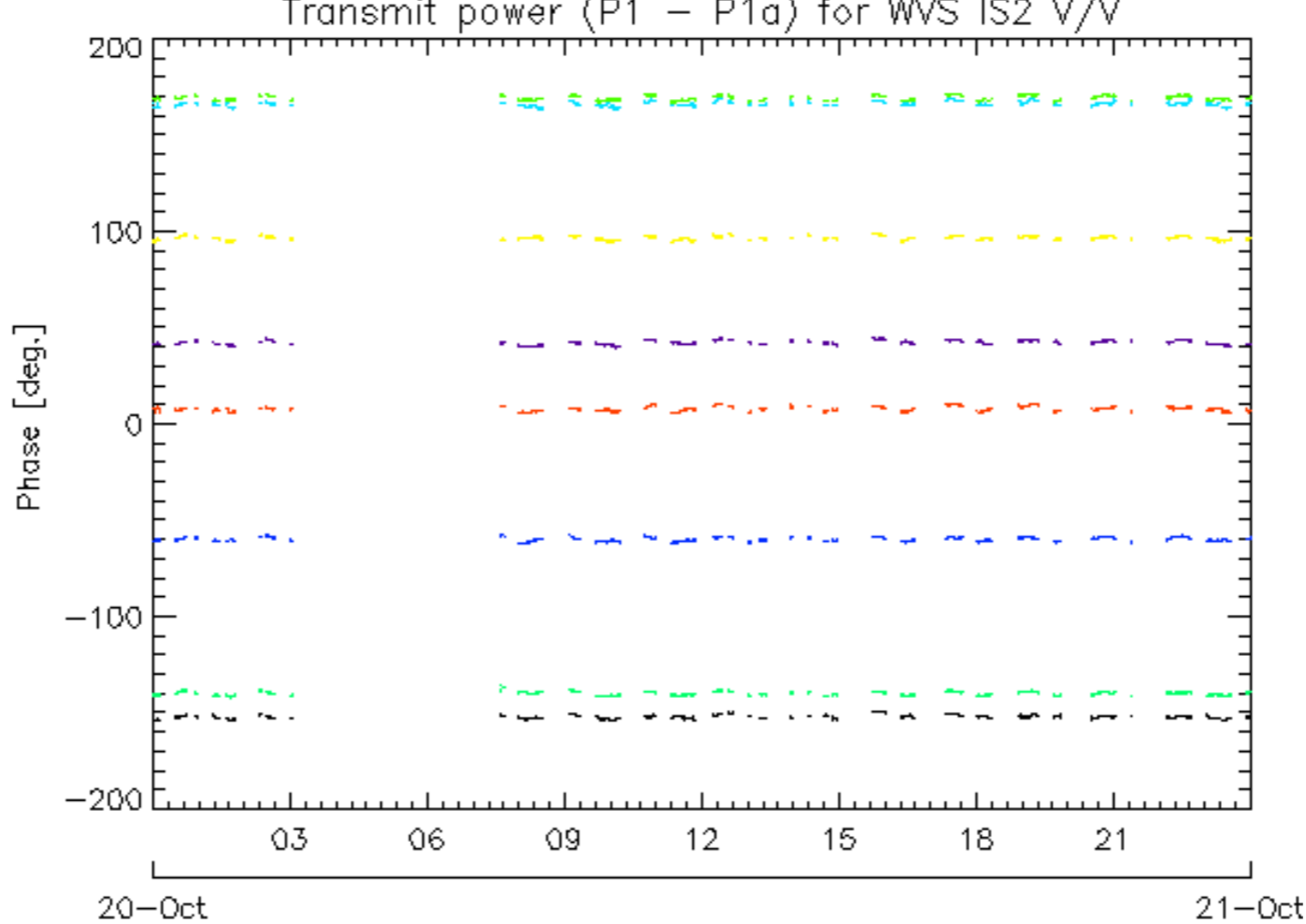
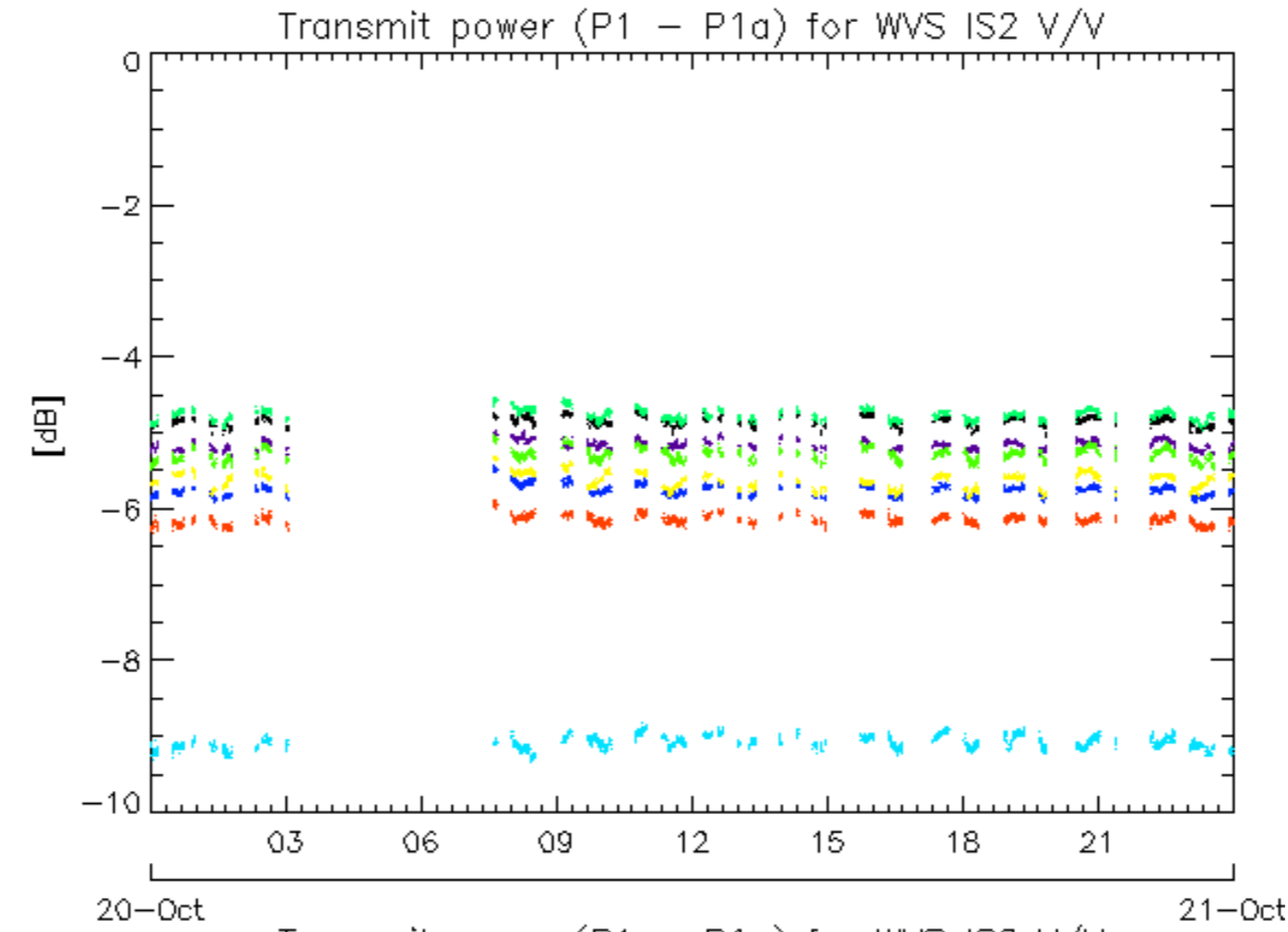


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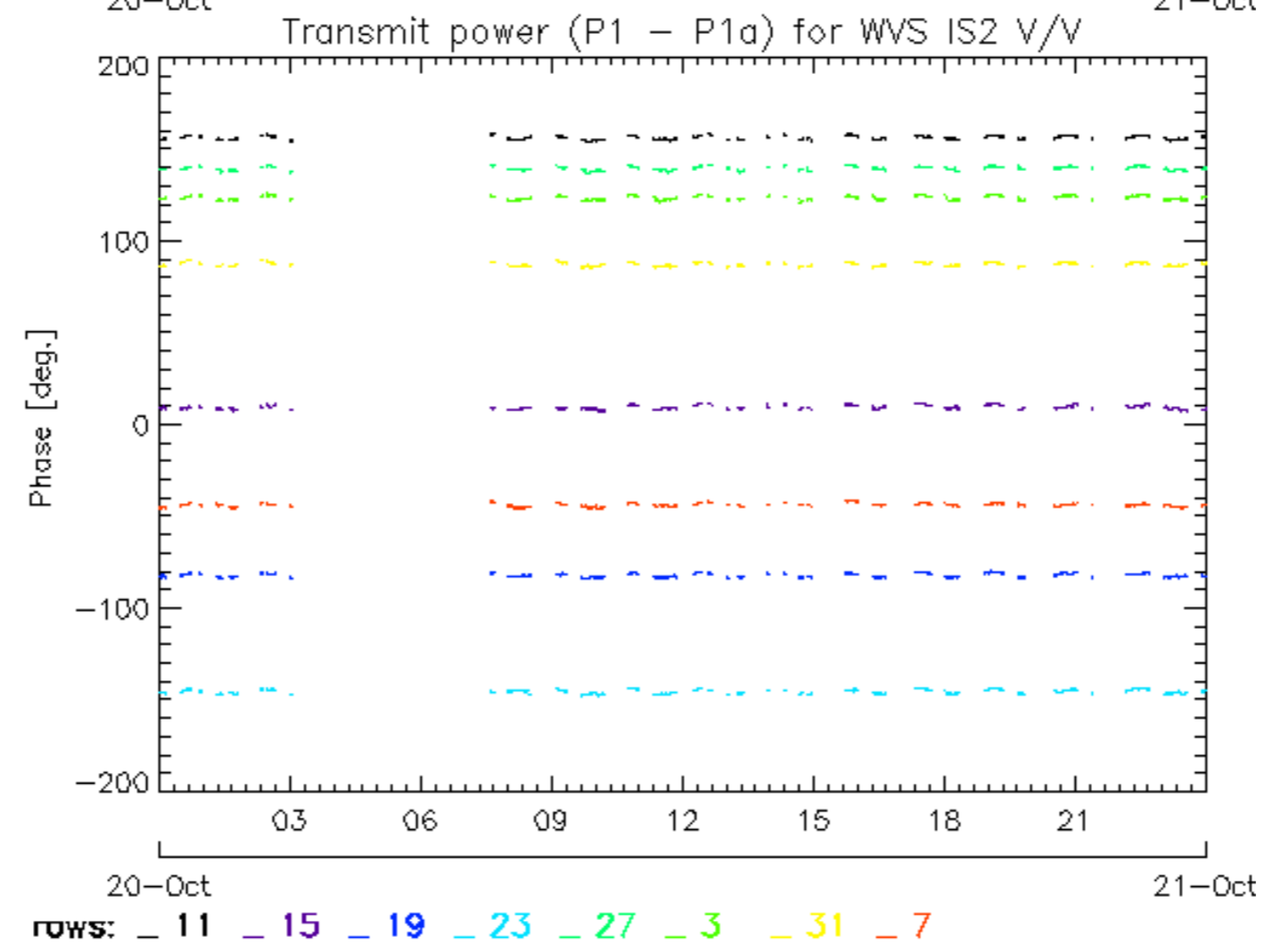
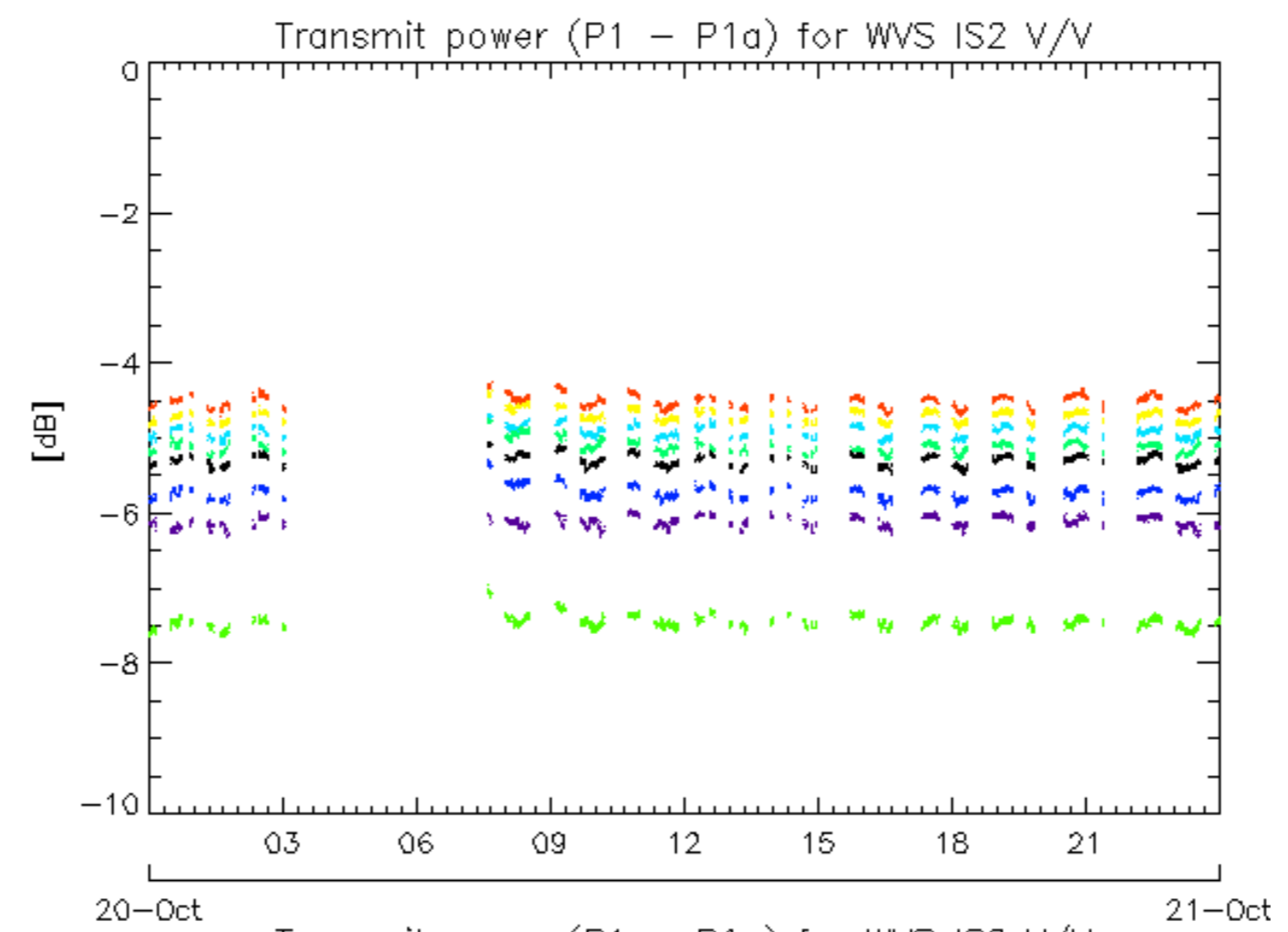


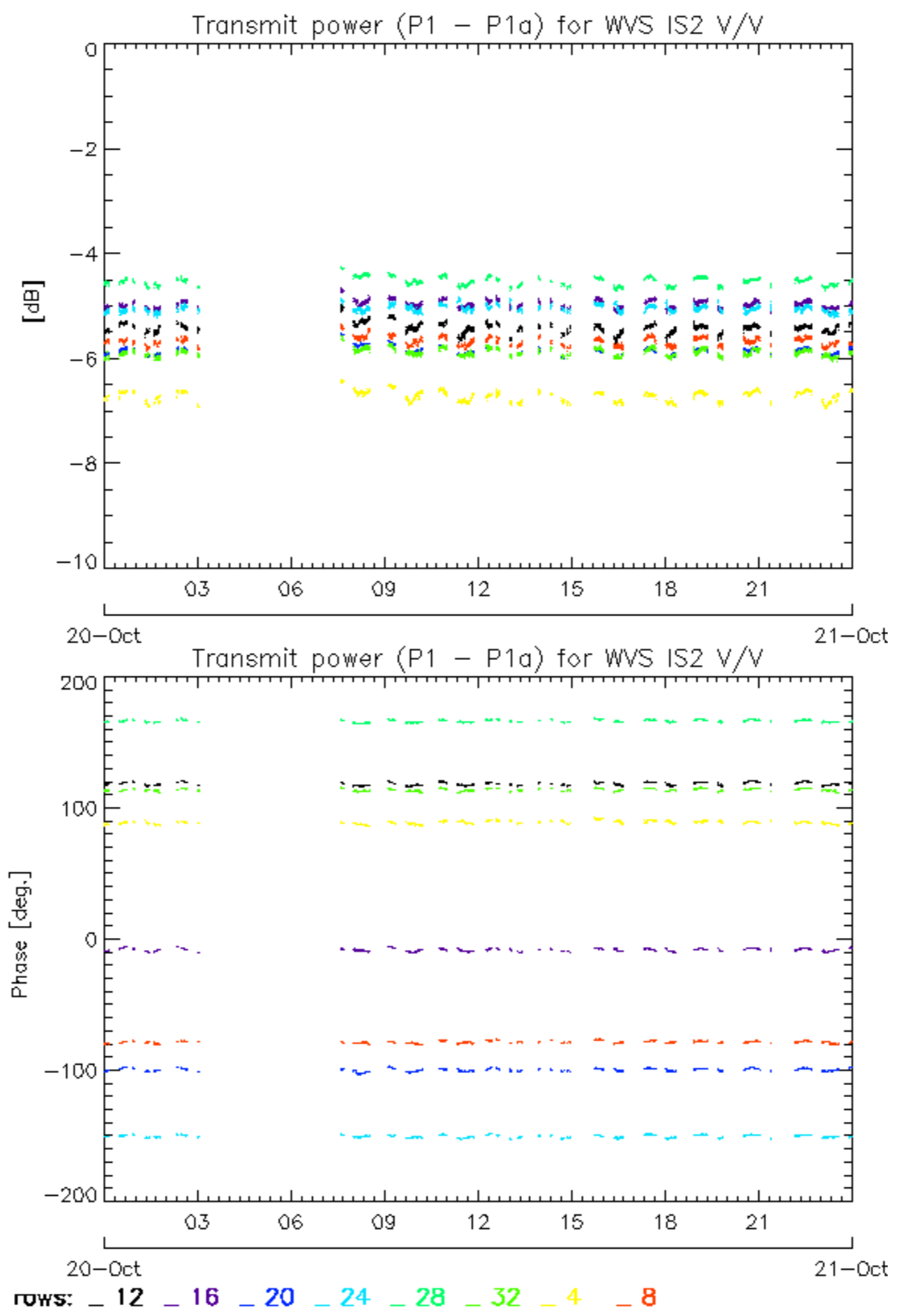


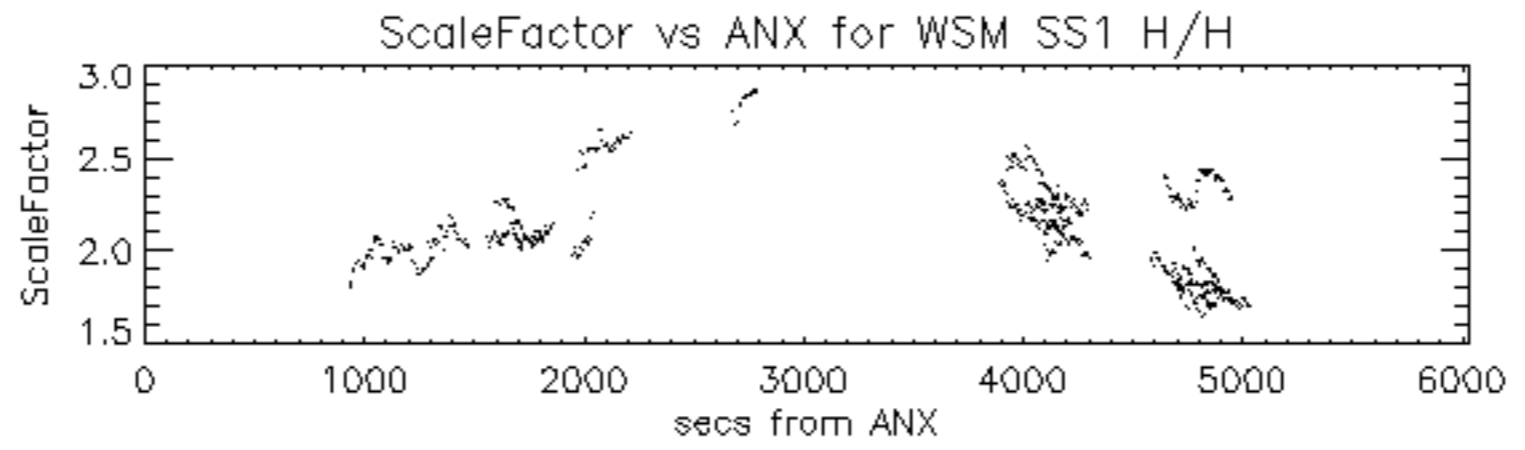


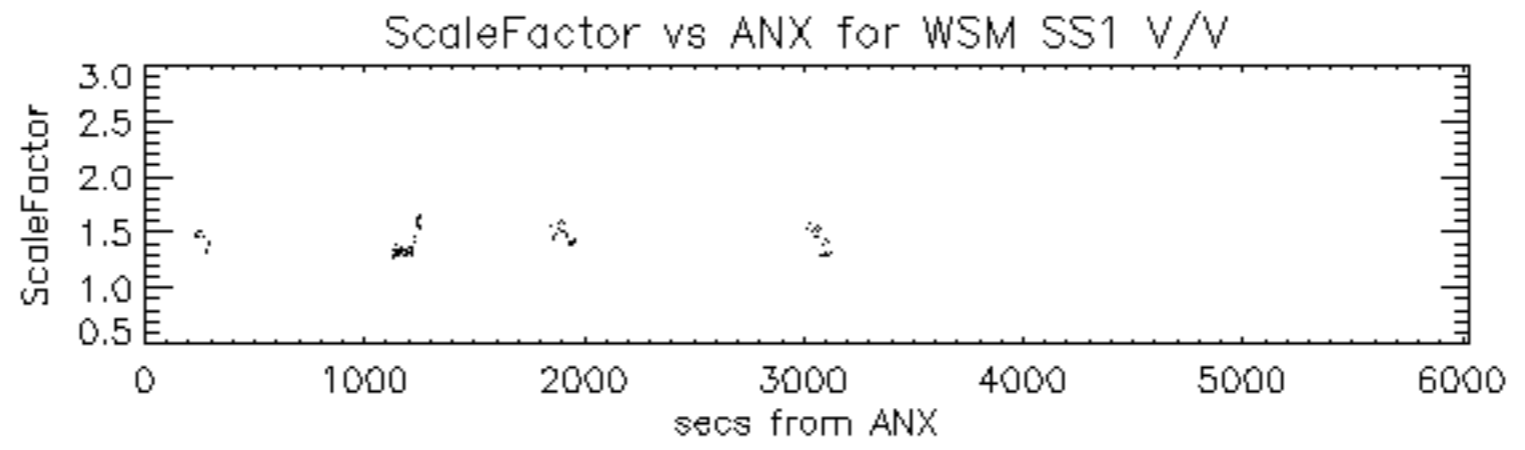


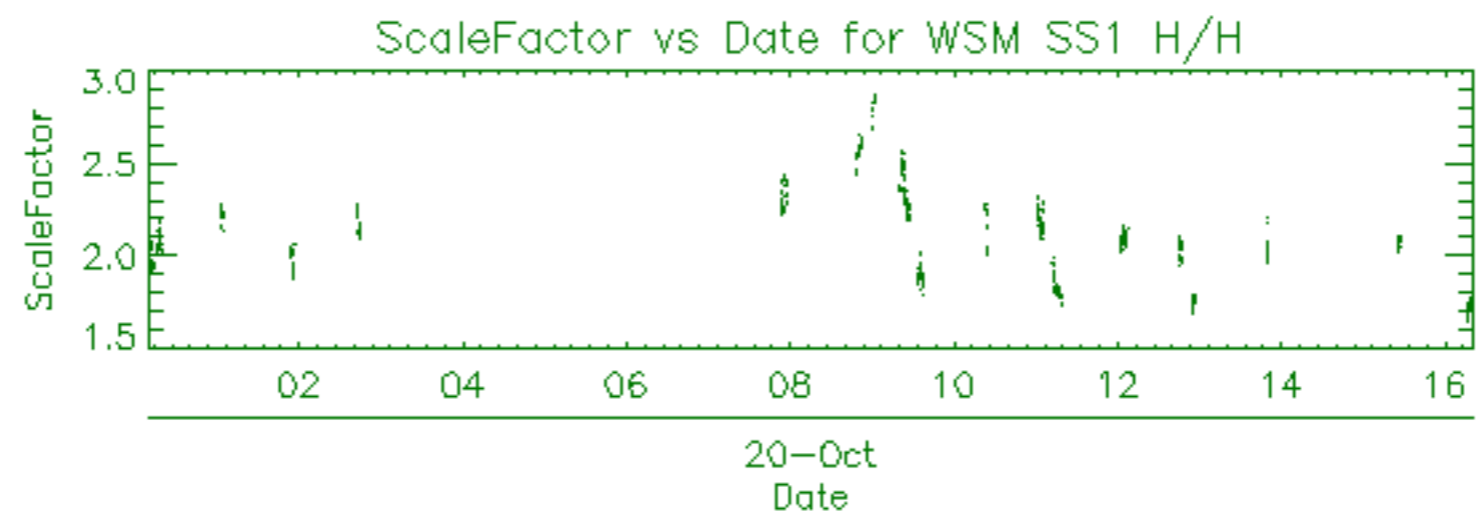
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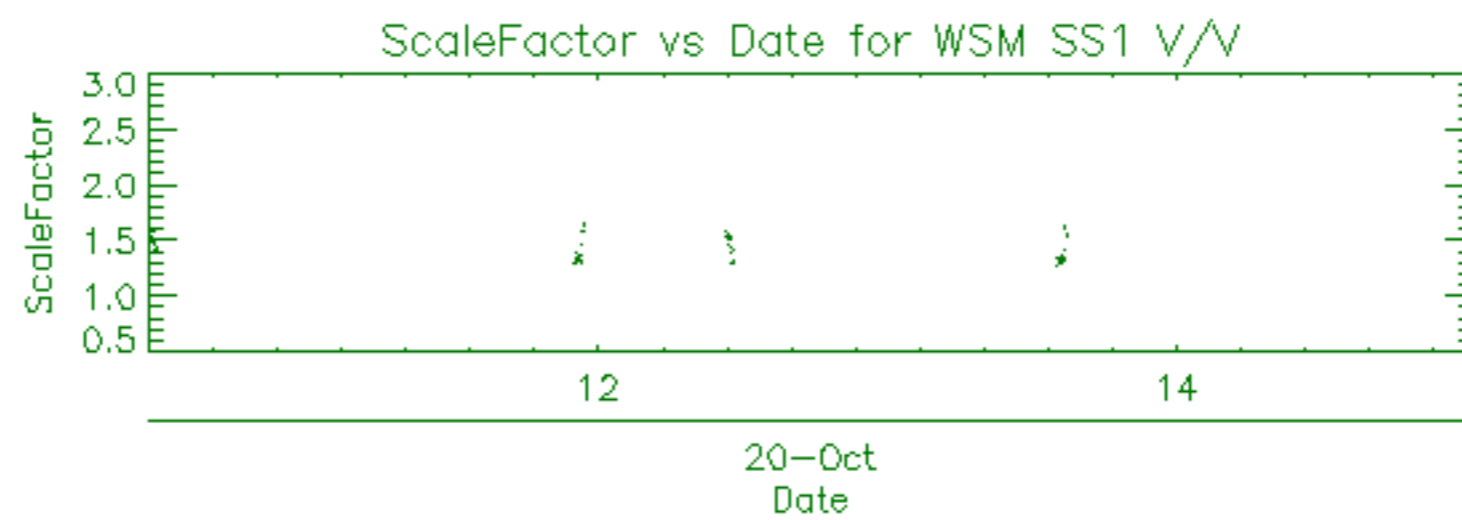














Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20111020_022607_000000703107_00391_50405_0460.N1						IS2	H/H	107	50405	391	5.04
ASA_APM_1PNPDE20111020_072455_000002243107_00394_50408_0425.N1						IS4	V/V	107	50408	394	5.04
ASA_APM_1PNPDE20111020_072842_000000563107_00394_50408_0424.N1						IS4	H/H	107	50408	394	5.04
ASA_APM_1PNPDE20111020_090331_000000423107_00395_50409_0381.N1						IS4	V/H	107	50409	395	5.04
ASA_APM_1PNPDE20111020_140736_000000843107_00398_50412_0610.N1						IS4	H/H	107	50412	398	5.04
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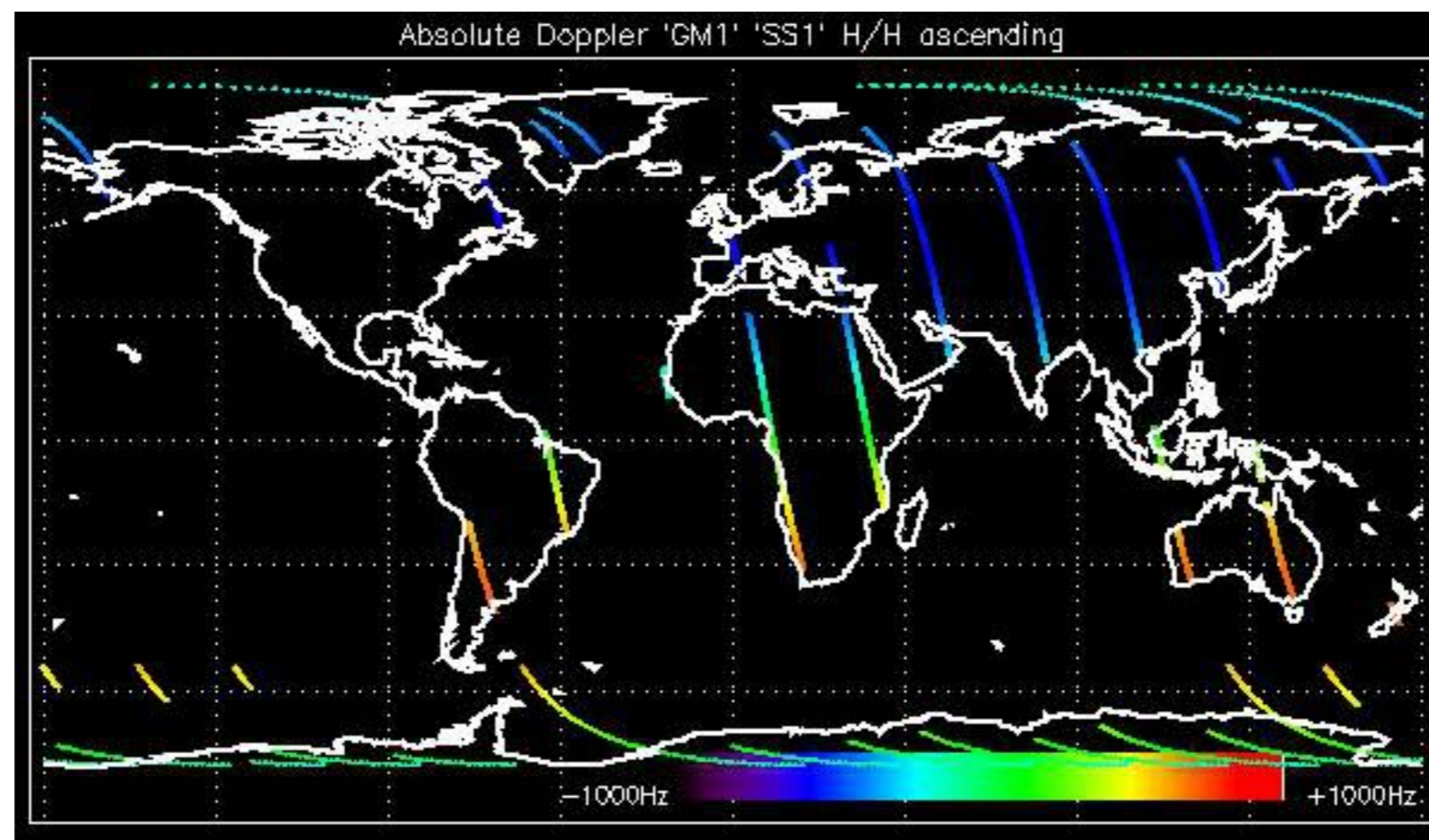
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ASA_GM1_1PNPDK20111020_195211_000008163107_00401_50415_4161.N1	SS1	H/H	107	50415	401	5.04
ASA_GM1_1PNPDK20111020_200642_000001993107_00402_50416_4163.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_201407_000002173107_00402_50416_0653.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_202339_000004043107_00402_50416_0654.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_210246_000000903107_00402_50416_0655.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_210758_000005193107_00402_50416_0658.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_212829_000010273107_00402_50416_0677.N1	SS1	H/H	107	50416	402	5.04
ASA_GM1_1PNPDE20111020_214811_000001573107_00403_50417_0686.N1	SS1	H/H	107	50417	403	5.04
ASA_GM1_1PNPDE20111020_220433_000002953107_00403_50417_0682.N1	SS1	H/H	107	50417	403	5.04
ASA_GM1_1PNPDE20111020_224300_000000963107_00403_50417_0681.N1	SS1	H/H	107	50417	403	5.04
ASA_GM1_1PNPDE20111020_224725_000005193107_00403_50417_0685.N1	SS1	H/H	107	50417	403	5.04
ASA_GM1_1PNPDE20111020_232012_000001203107_00404_50418_0701.N1	SS1	H/H	107	50418	404	5.04
ASA_GM1_1PNPDE20111020_233651_000001873107_00404_50418_0702.N1	SS1	H/H	107	50418	404	5.04
ASA_GM1_1PNPDE20111020_234405_000005613107_00404_50418_0705.N1	SS1	H/H	107	50418	404	5.04

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_IMM_1PNPDE20111020_073031_000001963107_00394_50408_0423.N1						IS2	V/V	107	50408	394	5.04
ASA_IMM_1PNPDE20111020_084528_000000823107_00395_50409_0385.N1						IS6	H/H	107	50409	395	5.04
ASA_IMM_1PNPDE20111020_085409_000000383107_00395_50409_0382.N1						IS6	H/H	107	50409	395	5.04
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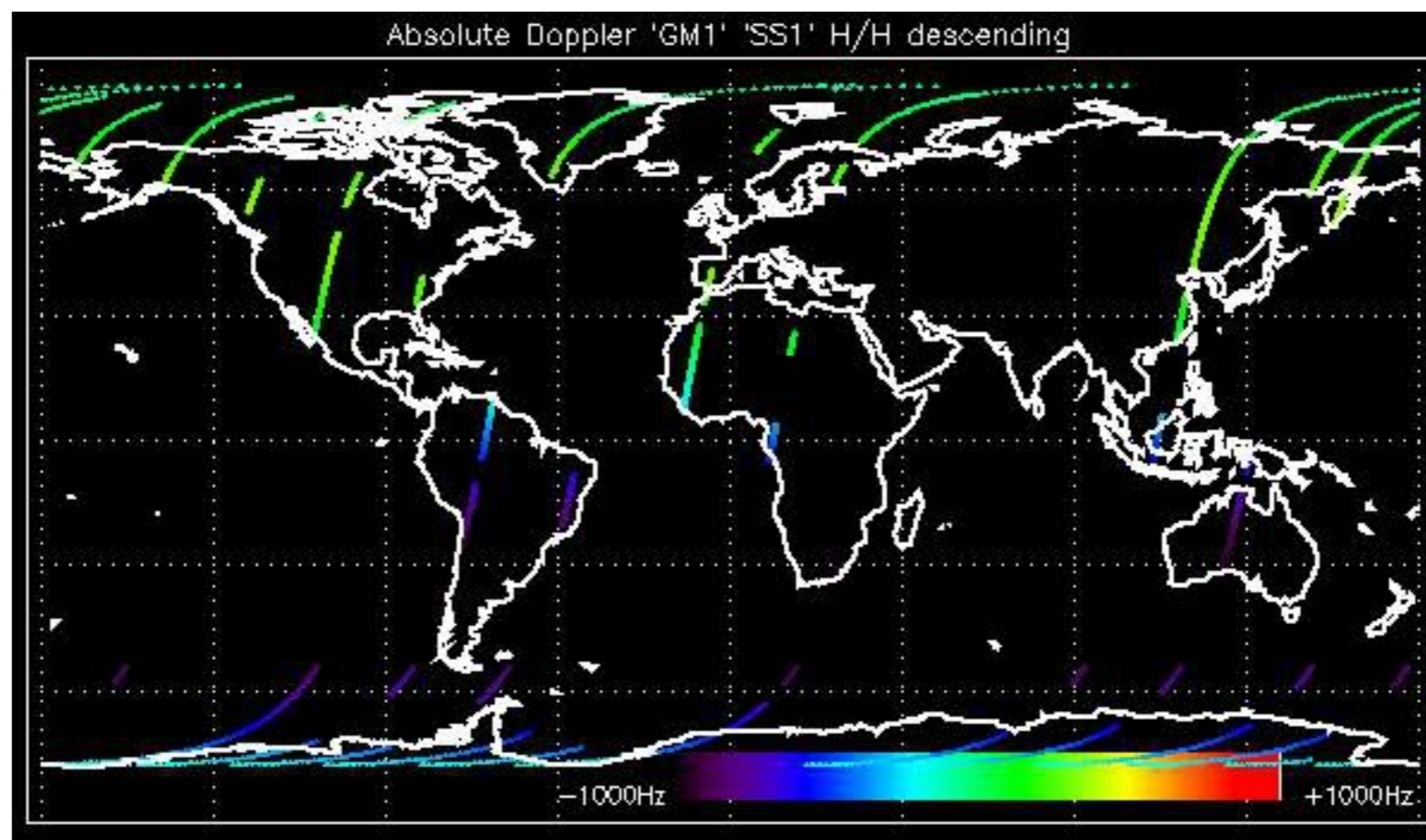
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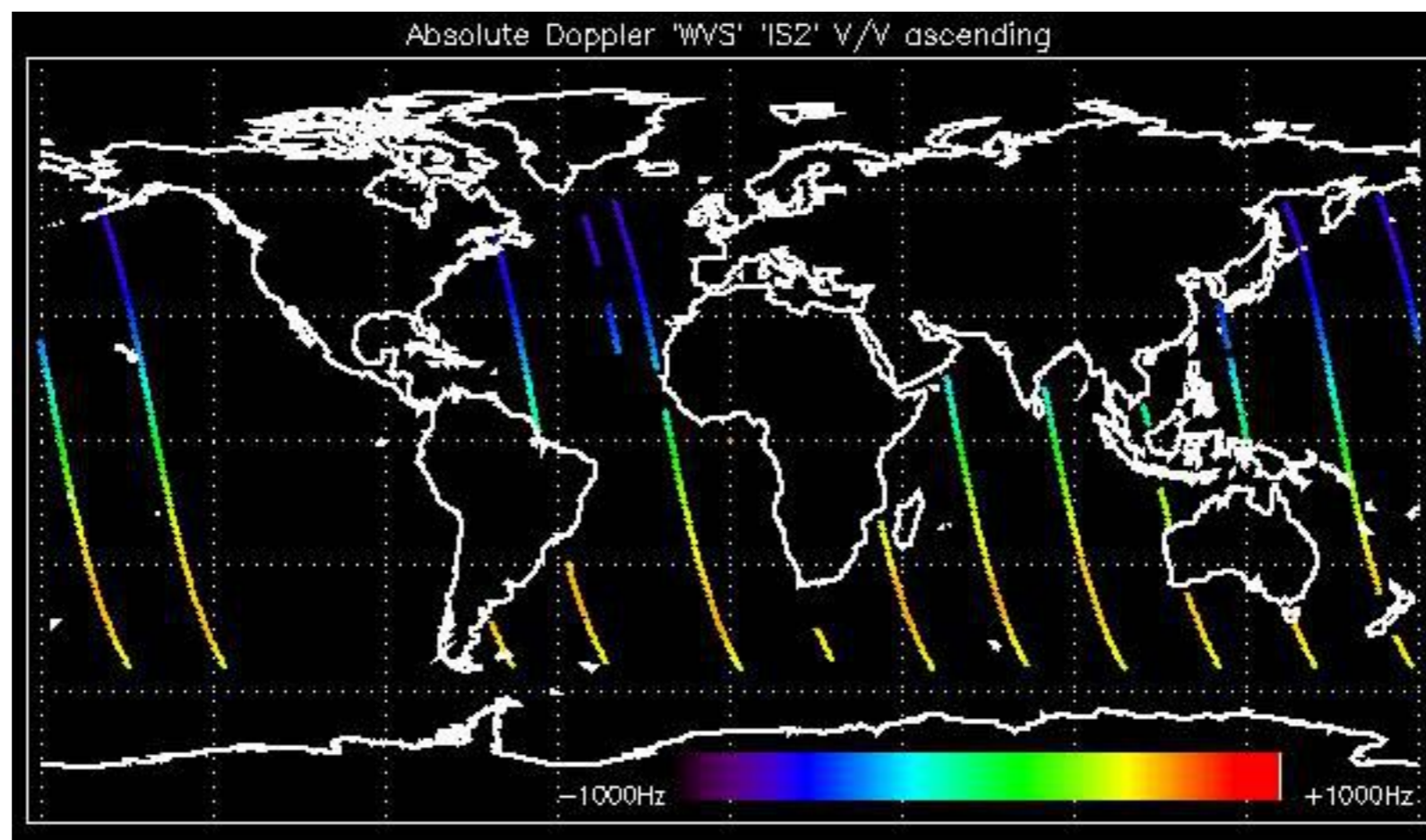
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ASA_WSM_1PNPDE20111020_010202_000001353107_00390_50404_0482.N1						SS1	H/H	107	50404	390	5.04
ASA_WSM_1PNPDE20111020_015321_000002143107_00391_50405_0461.N1						SS1	H/H	107	50405	391	5.04
ASA_WSM_1PNPDE20111020_024138_000002203107_00391_50405_0458.N1						SS1	H/H	107	50405	391	5.04
ASA_WSM_1PNPDK20111020_075235_000003303107_00394_50408_3911.N1						SS1	H/H	107	50408	394	5.04
ASA_WSM_1PNPDK20111020_084825_000002513107_00395_50409_3912.N1						SS1	H/H	107	50409	395	5.04
ASA_WSM_1PNPDE20111020_084825_000000923107_00395_50409_0383.N1						SS1	H/H	107	50409	395	5.04
ASA_WSM_1PNPDE20111020_090002_000001353107_00395_50409_0644.N1						SS1	H/H	107	50409	395	5.04
ASA_WSM_1PNPDE20111020_092020_000004283107_00395_50409_0696.N1						SS1	H/H	107	50409	395	5.04
ASA_WSM_1PNPDE20111020_093328_000002393107_00395_50409_0524.N1						SS1	H/H	107	50409	395	5.04
ASA_WSM_1PNPDK20111020_102212_000001533107_00396_50410_3943.N1						SS1	H/H	107	50410	396	5.04
ASA_WSM_1PNPDK20111020_102635_000001283107_00396_50410_3950.N1						SS1	V/V	107	50410	396	5.04
ASA_WSM_1PNPDE20111020_110059_000003123107_00396_50410_0567.N1						SS1	H/H	107	50410	396	5.04
ASA_WSM_1PNPDE20111020_111202_000003923107_00396_50410_0589.N1						SS1	H/H	107	50410	396	5.04
ASA_WSM_1PNPDE20111020_115448_000001473107_00397_50411_0541.N1						SS1	V/V	107	50411	397	5.04
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ASA_WSM_1PNPDK20111020_124420_000002203107_00397_50411_4029.N1						SS1	H/H	107	50411	397	5.04
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ASA_WSM_1PNPDK20111020_125423_000001903107_00397_50411_4028.N1						SS1	H/H	107	50411	397	5.04
ASA_WSM_1PNPDK20111020_133457_000001473107_00398_50412_4035.N1						SS1	V/V	107	50412	398	5.04
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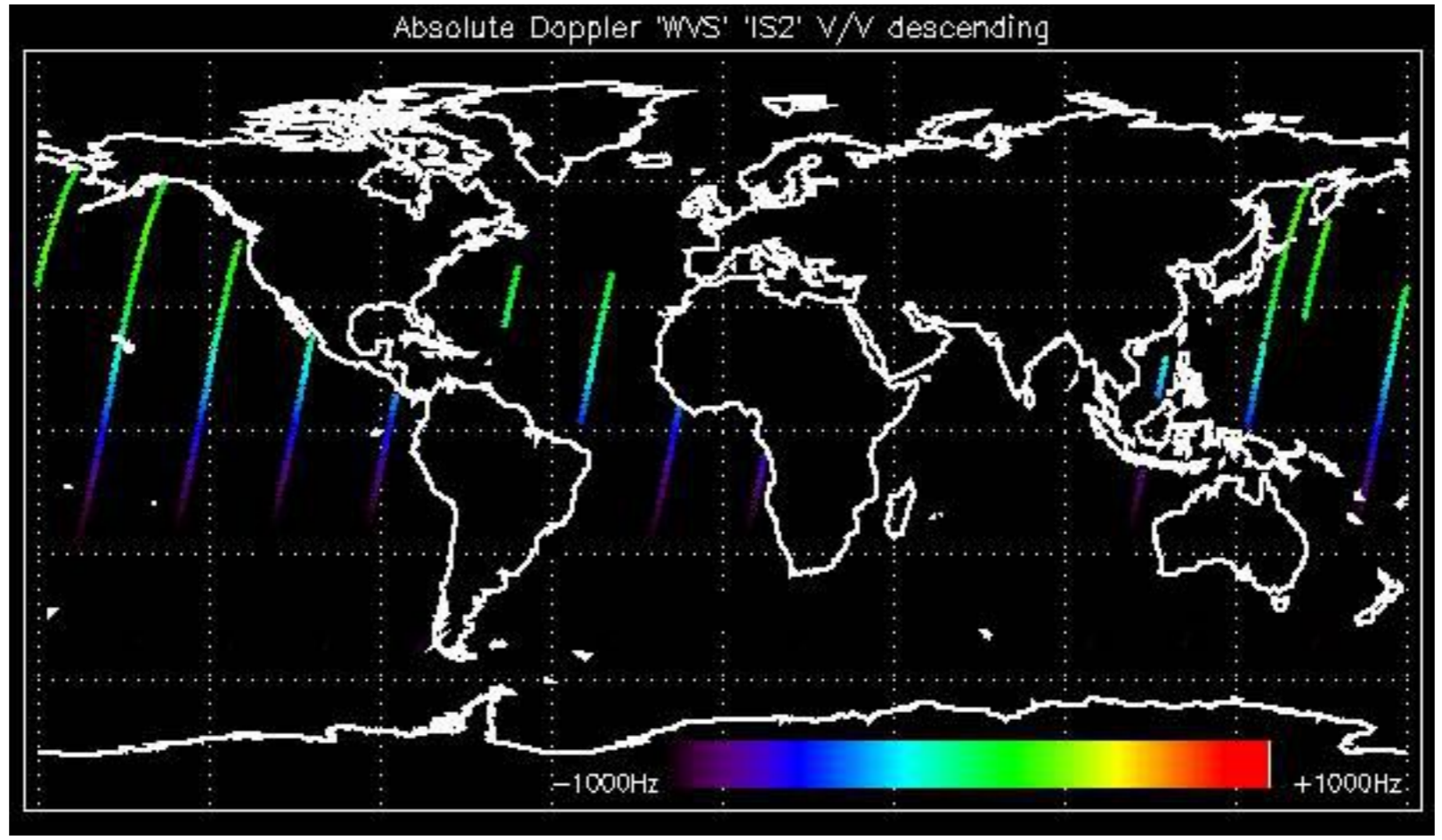
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ASA_WVS_1PNPDE20111020_002801_000009653107_00390_50404_0468.N1						IS2	V/V	107	50404	390	5.04
ASA_WVS_1PNPDE20111020_005352_000003153107_00390_50404_0465.N1						IS2	V/V	107	50404	390	5.04
ASA_WVS_1PNPDE20111020_011914_000002553107_00390_50404_0464.N1						IS2	V/V	107	50404	390	5.04
ASA_WVS_1PNPDE20111020_012244_000001953107_00390_50404_0459.N1						IS2	V/V	107	50404	390	5.04
ASA_WVS_1PNPDE20111020_013457_000007793107_00391_50405_0444.N1						IS2	V/V	107	50405	391	5.04
ASA_WVS_1PNPDE20111020_021945_000001493107_00391_50405_0443.N1						IS2	V/V	107	50405	391	5.04
ASA_WVS_1PNPDE20111020_022723_000007193107_00391_50405_0439.N1						IS2	V/V	107	50405	391	5.04
ASA_WVS_1PNPDE20111020_025911_000001803107_00391_50405_0437.N1						IS2	V/V	107	50405	391	5.04
ASA_WVS_1PNPDE20111020_073513_000001203107_00394_50408_0407.N1						IS2	V/V	107	50408	394	5.04
ASA_WVS_1PNPDK20111020_073658_000001953107_00394_50408_3900.N1						IS2	V/V	107	50408	394	5.04
ASA_WVS_1PNPDK20111020_075953_000018593107_00394_50408_3903.N1						IS2	V/V	107	50408	394	5.04
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ASA_WVS_1PNPDK20111020_094007_000019043107_00395_50409_3941.N1						IS2	V/V	107	50409	395	5.04
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ASA_WVS_1PNPDK20111020_121528_000005993107_00397_50411_4014.N1						IS2	V/V	107	50411	397	5.04
ASA_WVS_1PNPDK20111020_123331_000004353107_00397_50411_4019.N1						IS2	V/V	107	50411	397	5.04
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ASA_WVS_1PNPDK20111020_141842_000001503107_00398_50412_4055.N1						IS2	V/V	107	50412	398	5.04
ASA_WVS_1PNPDK20111020_144048_000003003107_00398_50412_4057.N1						IS2	V/V	107	50412	398	5.04
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ASA_WVS_1PNPDE20111020_212358_000000153107_00402_50416_0679.N1						IS2	V/V	107	50416	402	5.04
ASA_WVS_1PNPDE20111020_220930_000019643107_00403_50417_0683.N1						IS2	V/V	107	50417	403	5.04
ASA_WVS_1PNPDE20111020_230149_000003443107_00403_50417_0684.N1						IS2	V/V	107	50417	403	5.04
ASA_WVS_1PNPDE20111020_230649_000007493107_00403_50417_0700.N1						IS2	V/V	107	50417	403	5.04
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ASA_WVS_1PNPDE20111020_232215_000006743107_00404_50418_0703.N1						IS2	V/V	107	50418	404	5.04
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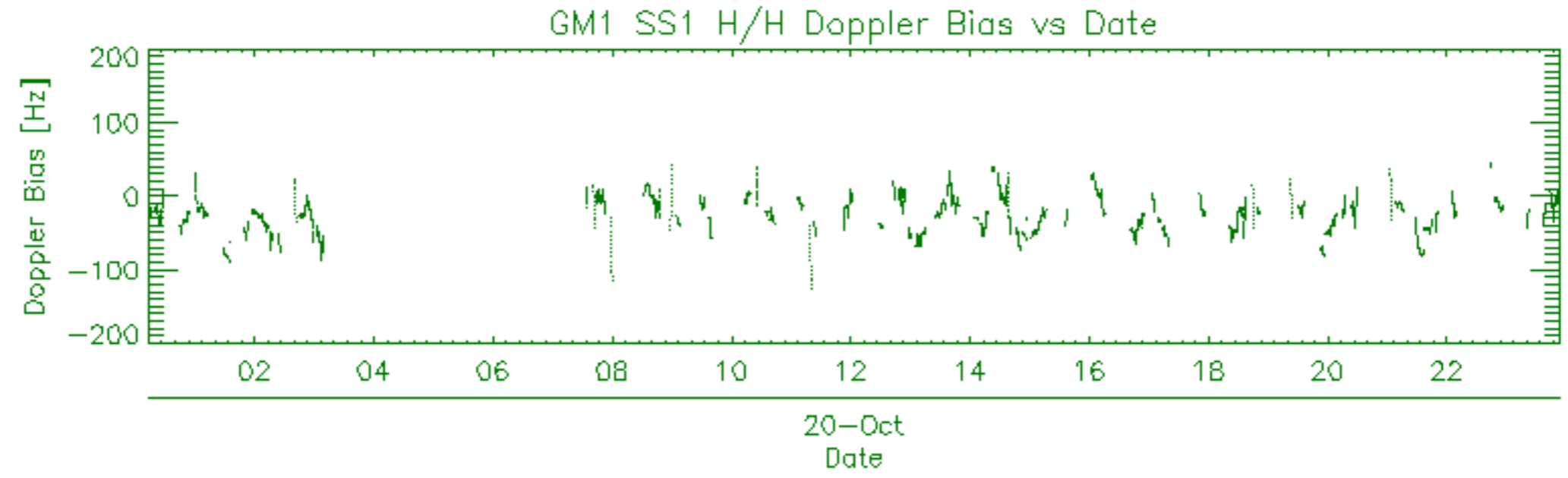
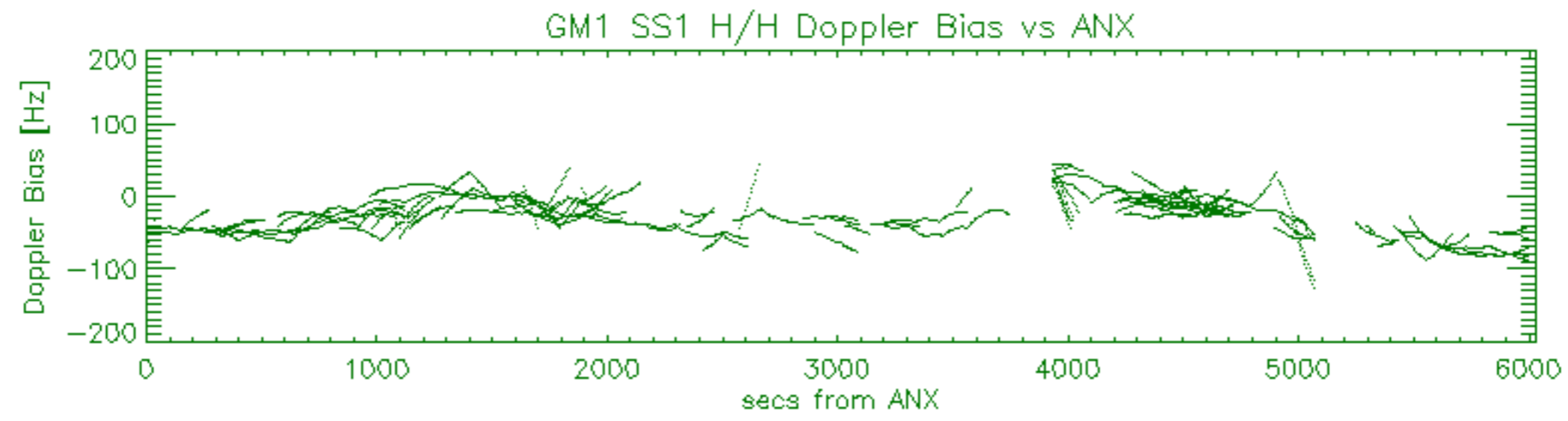
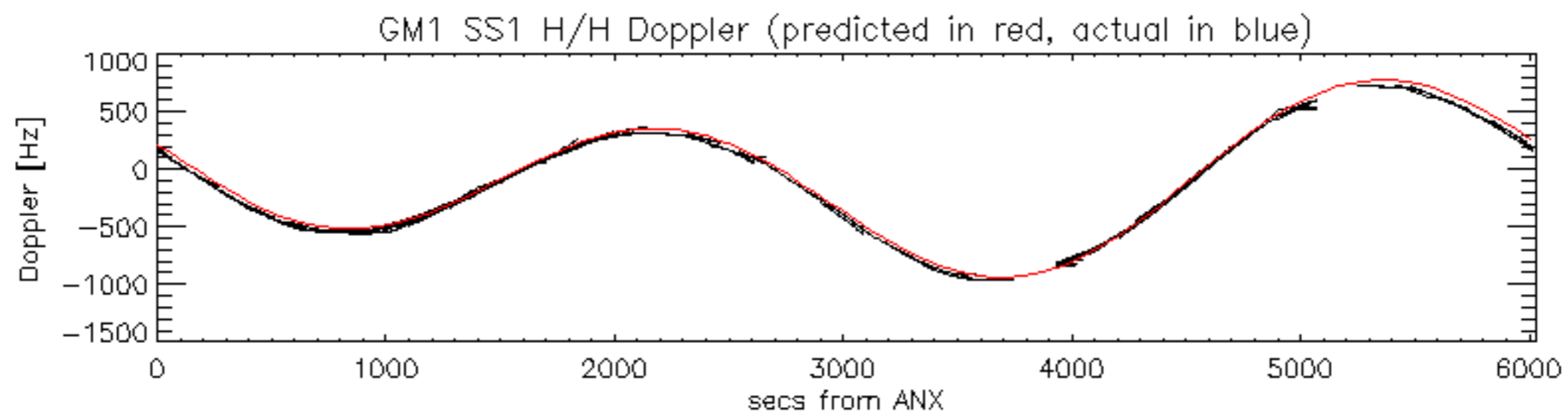


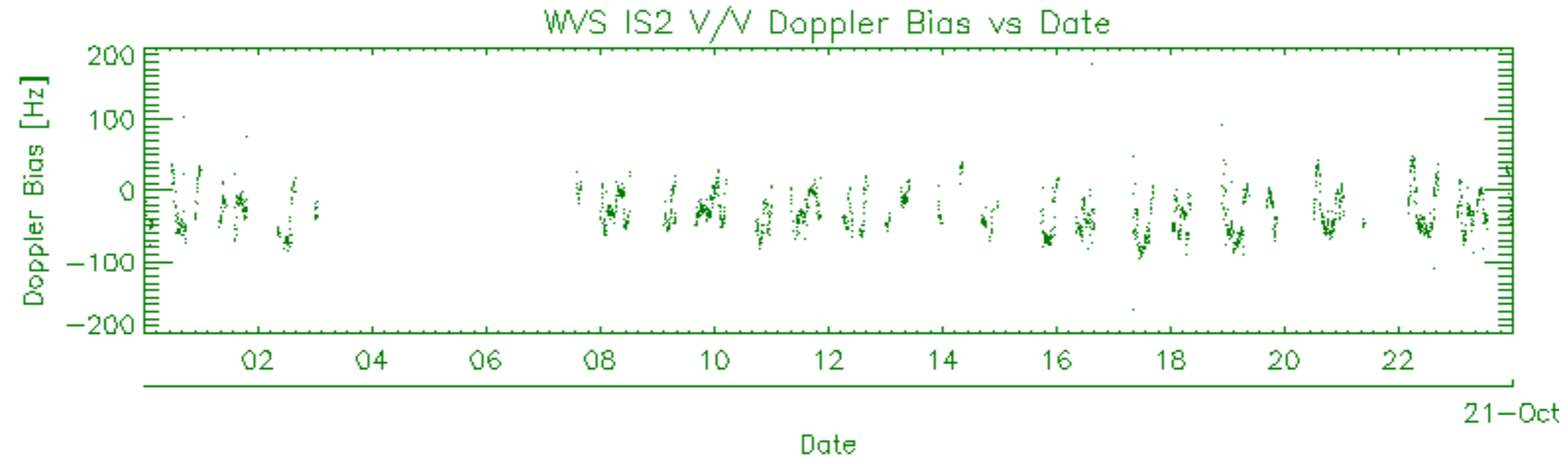
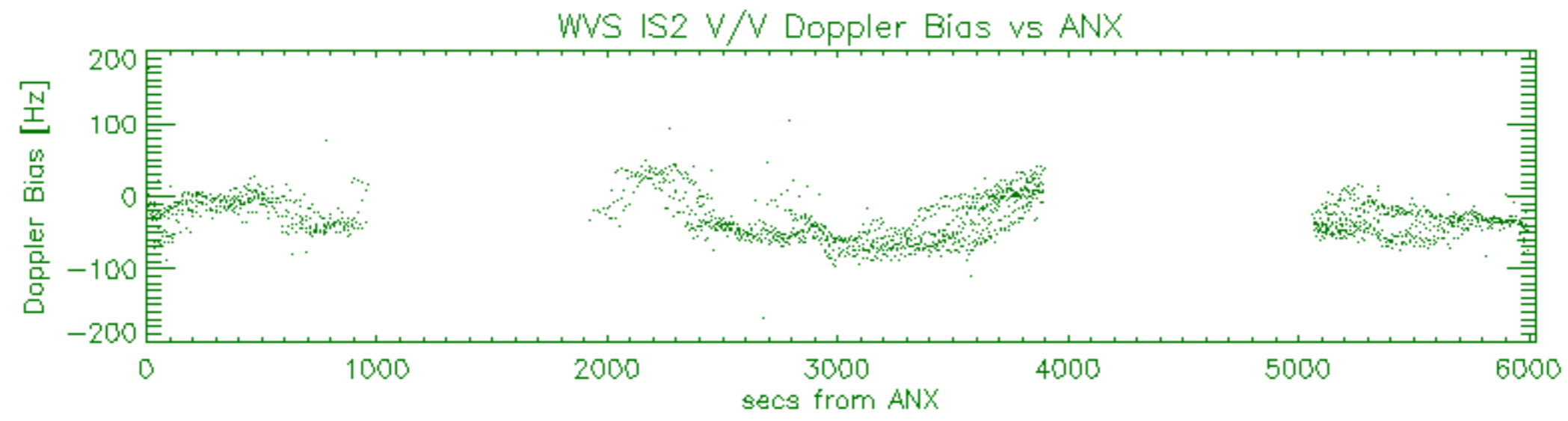
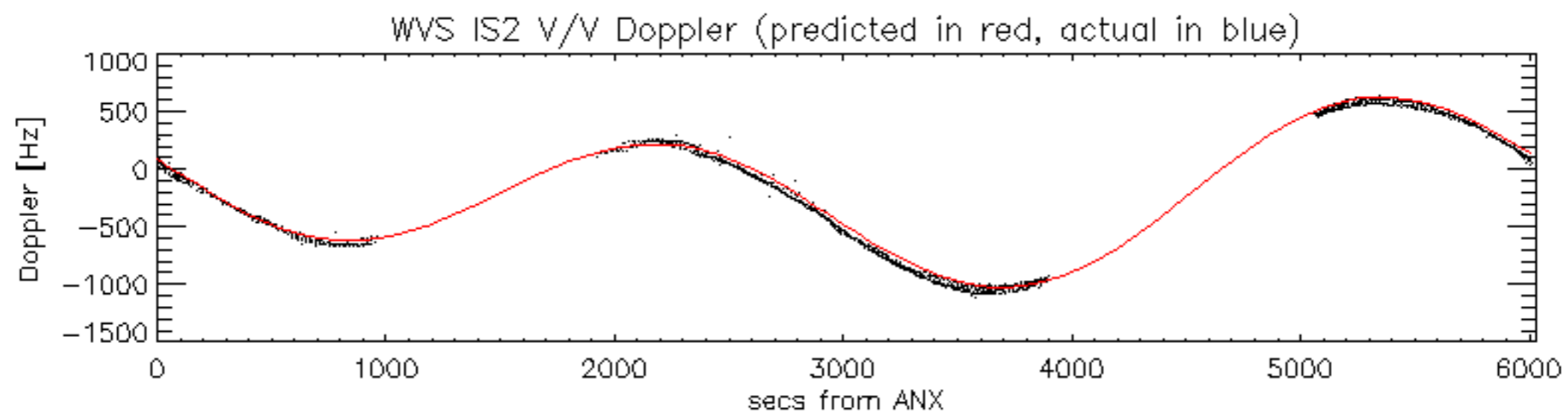


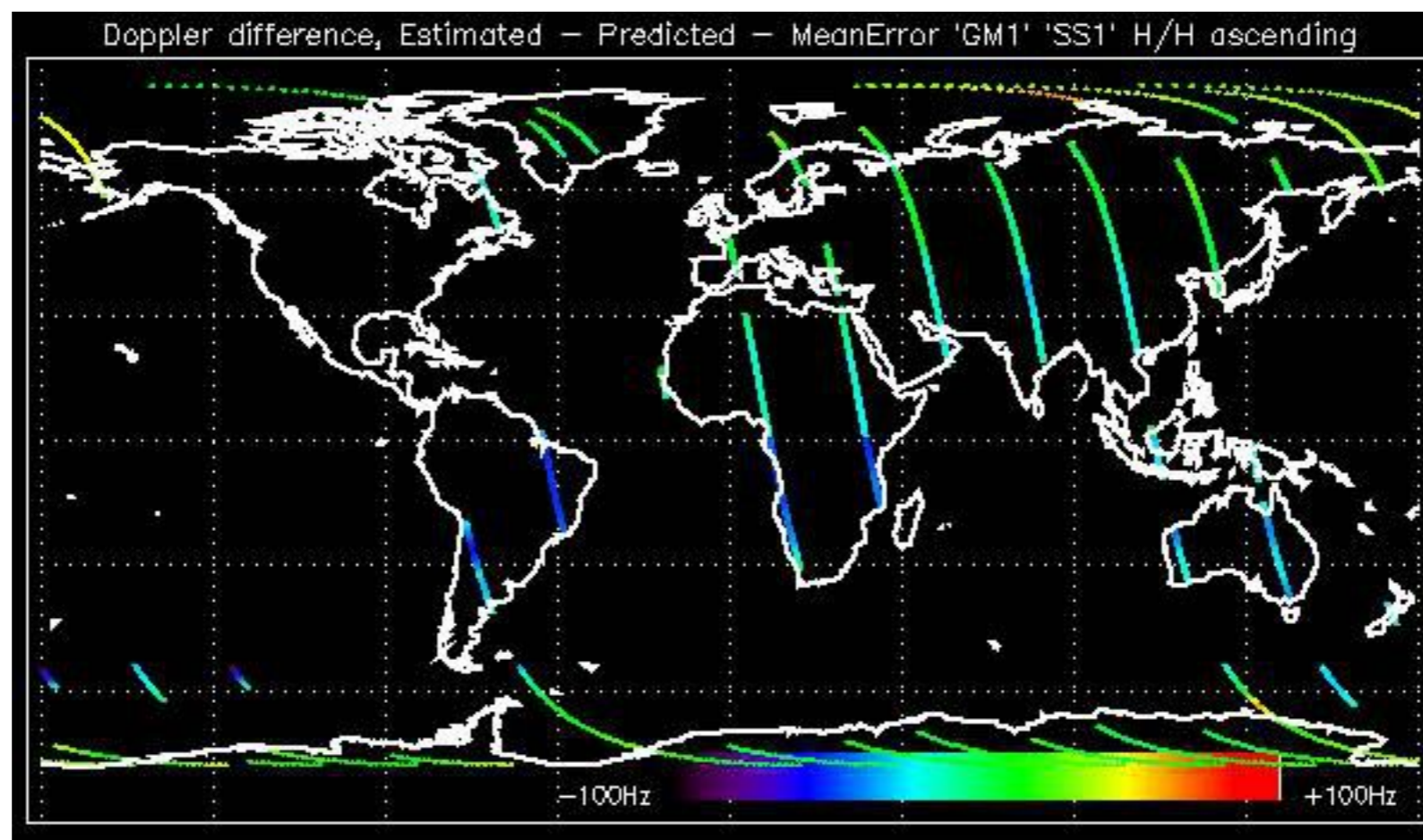


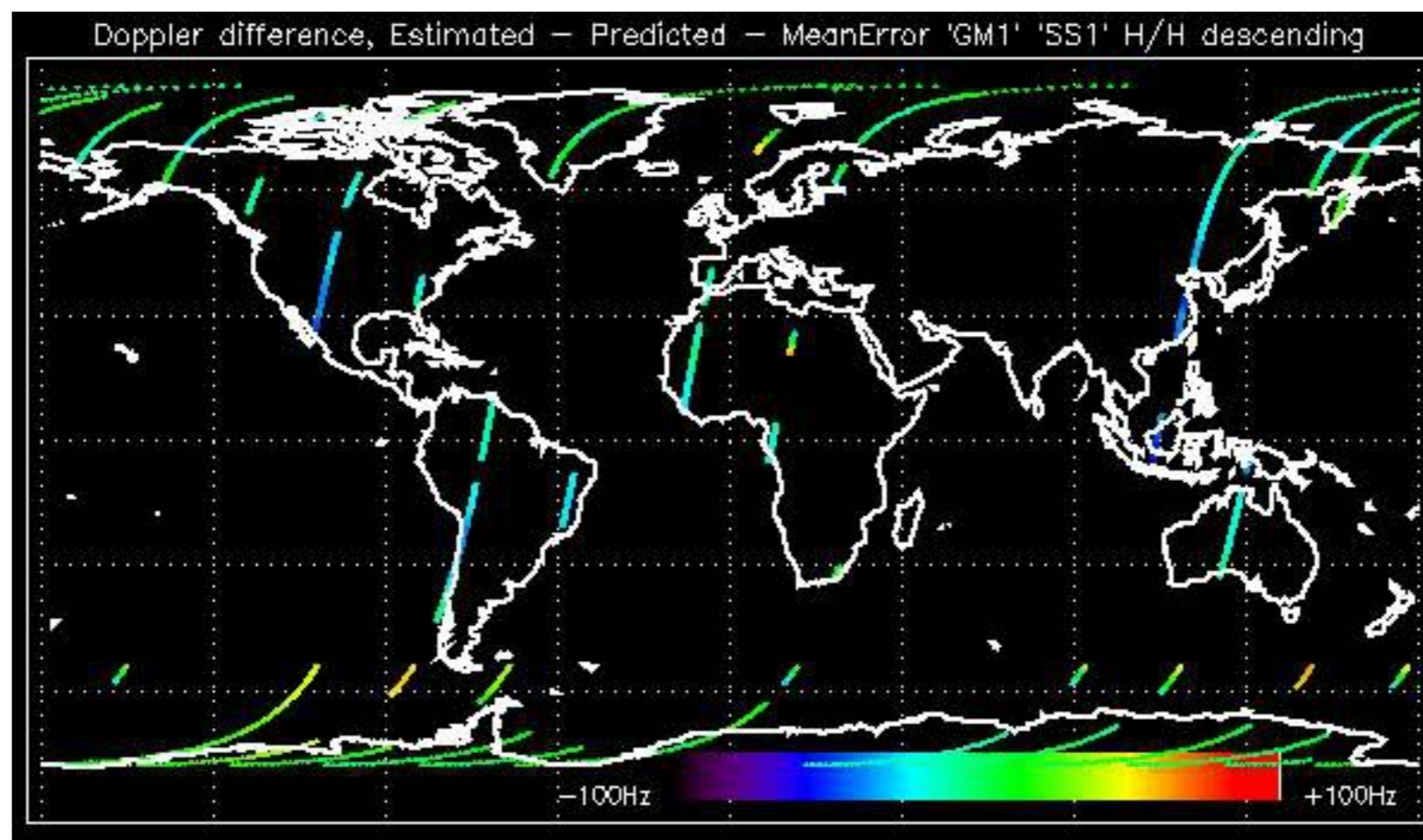


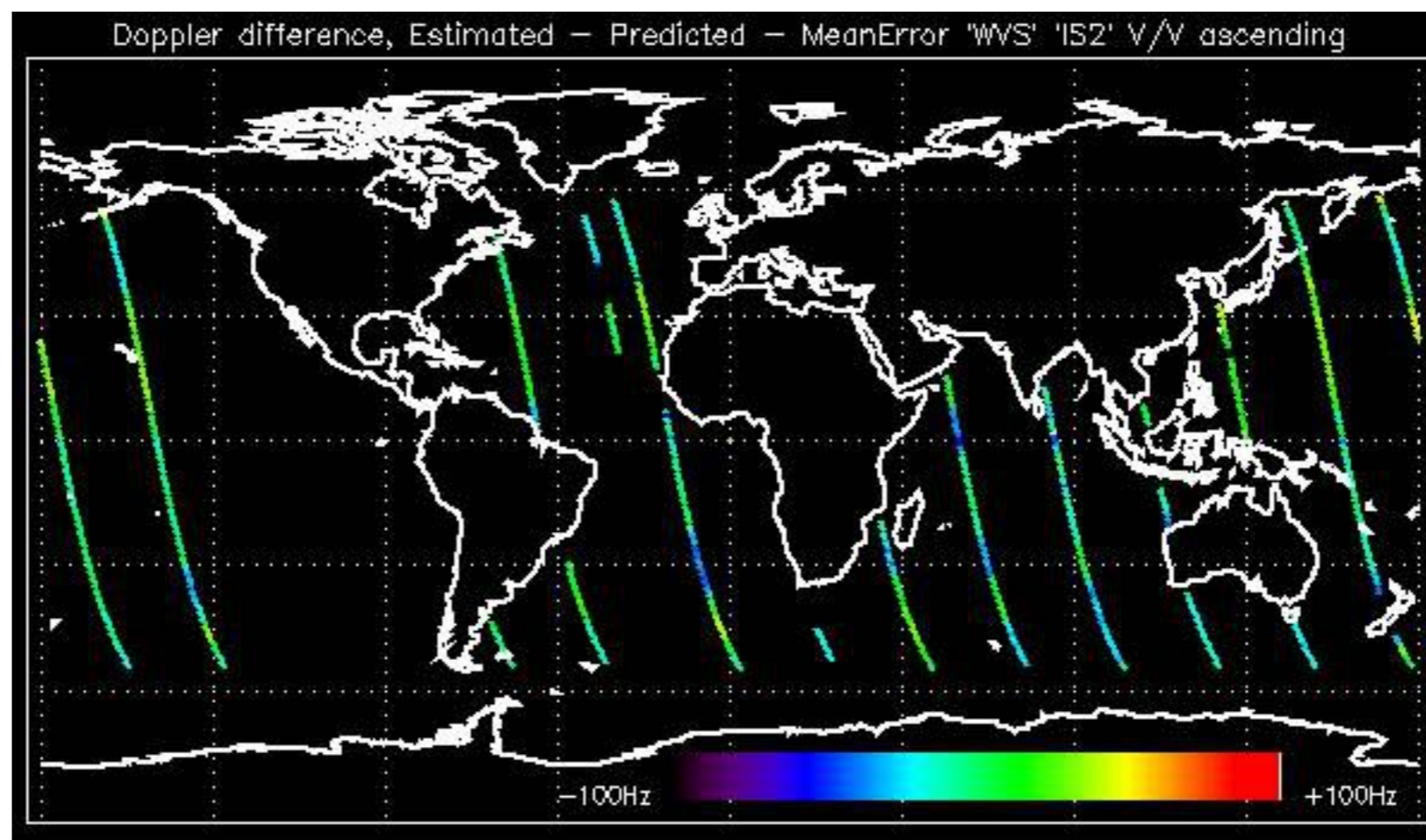




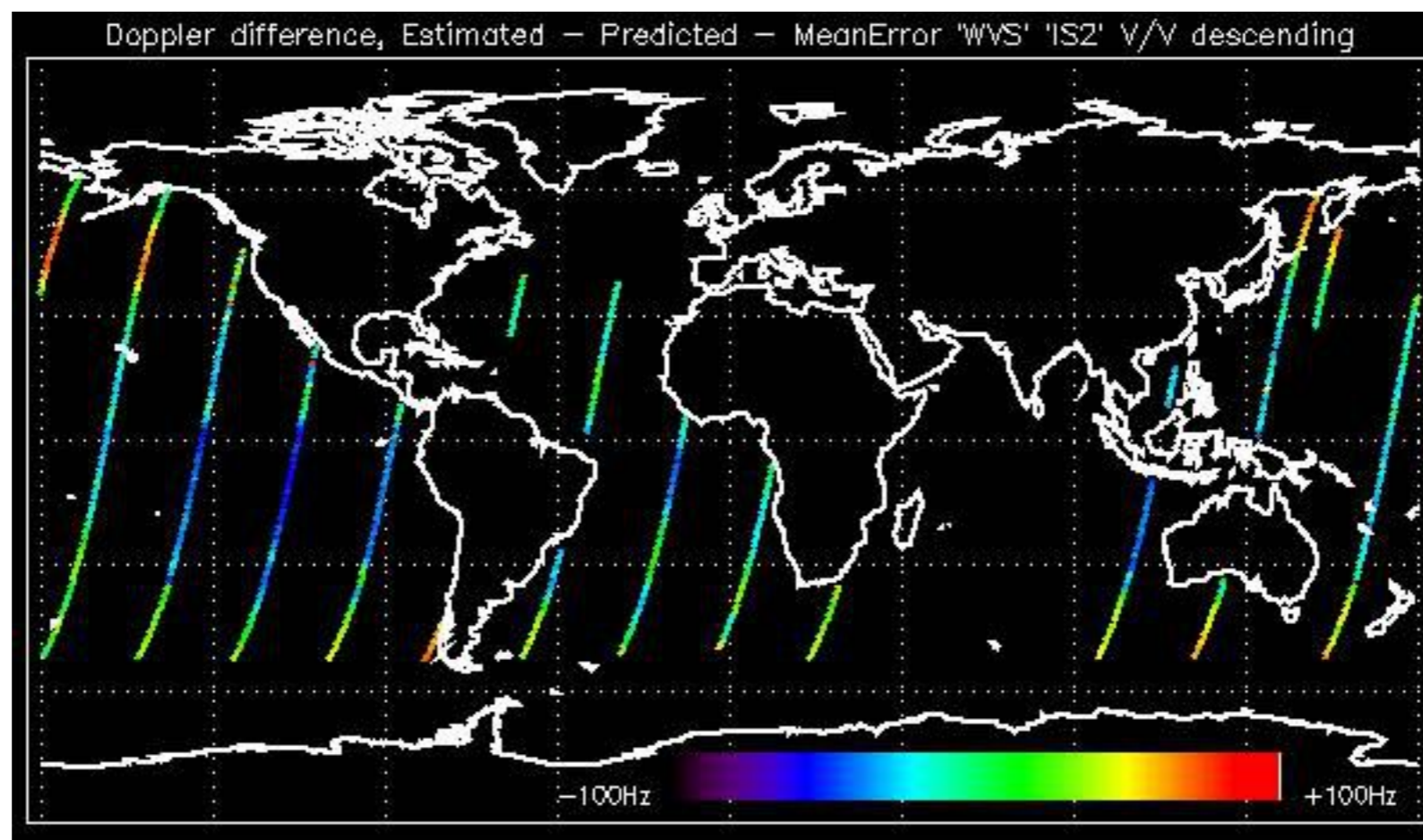


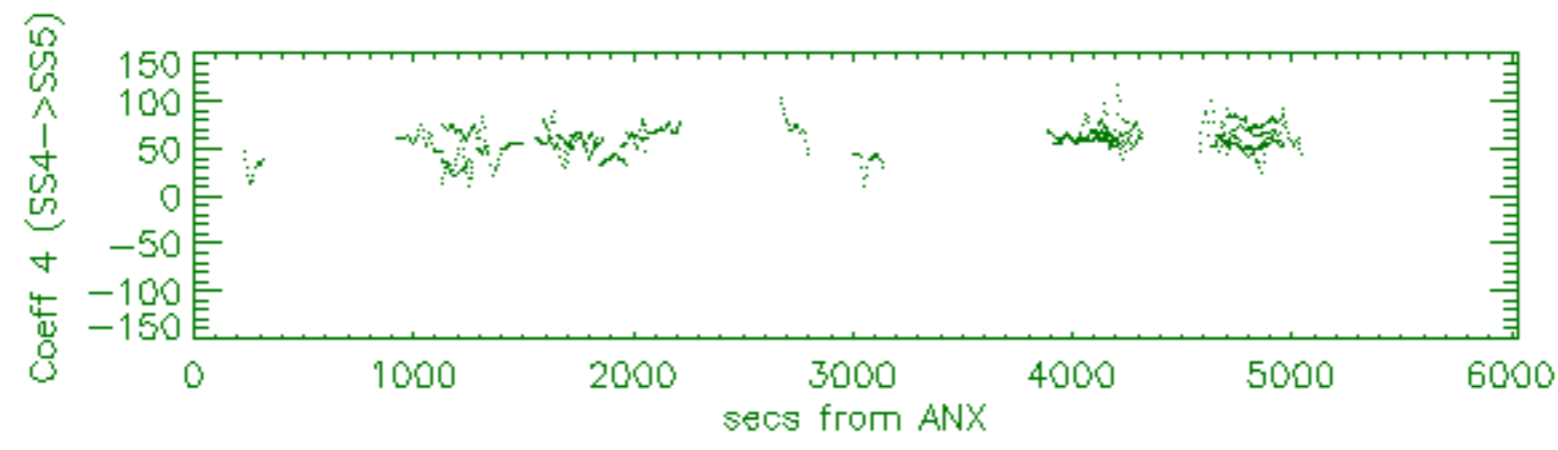
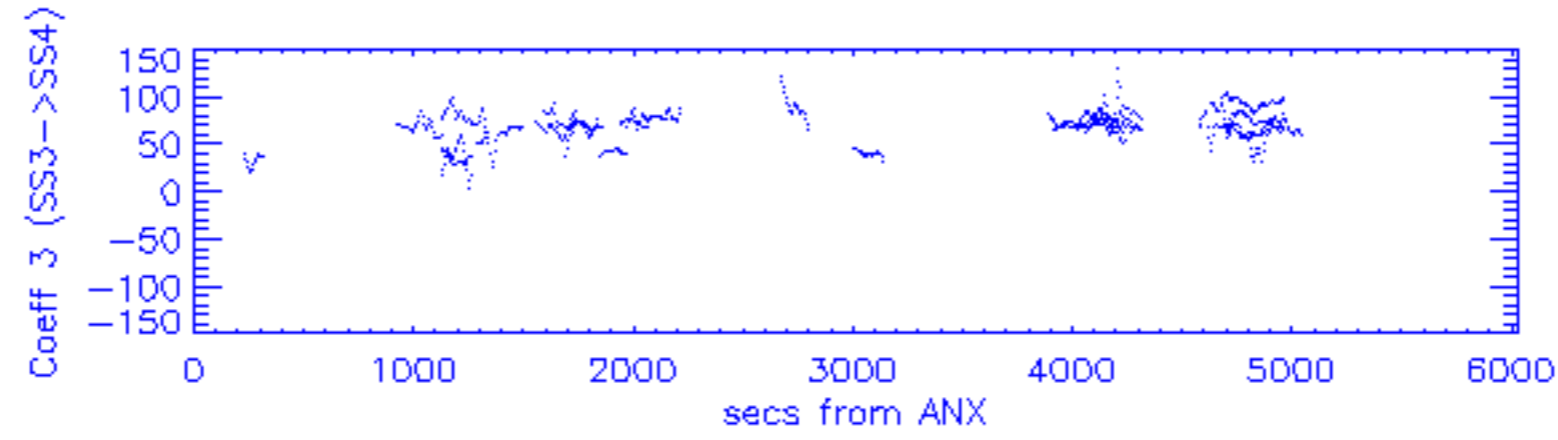
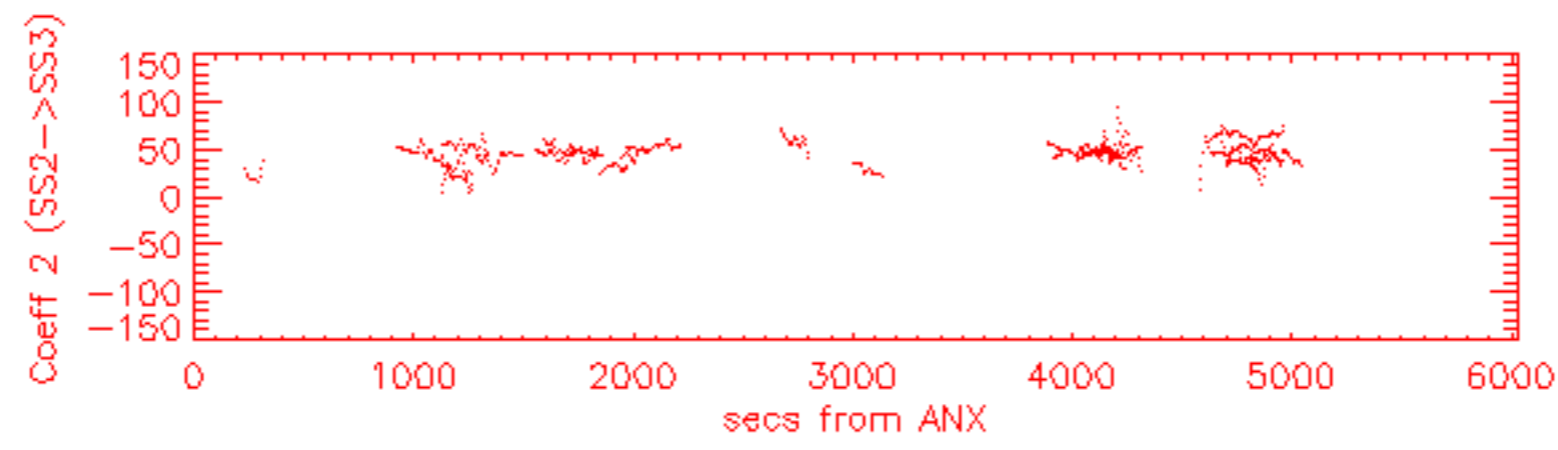
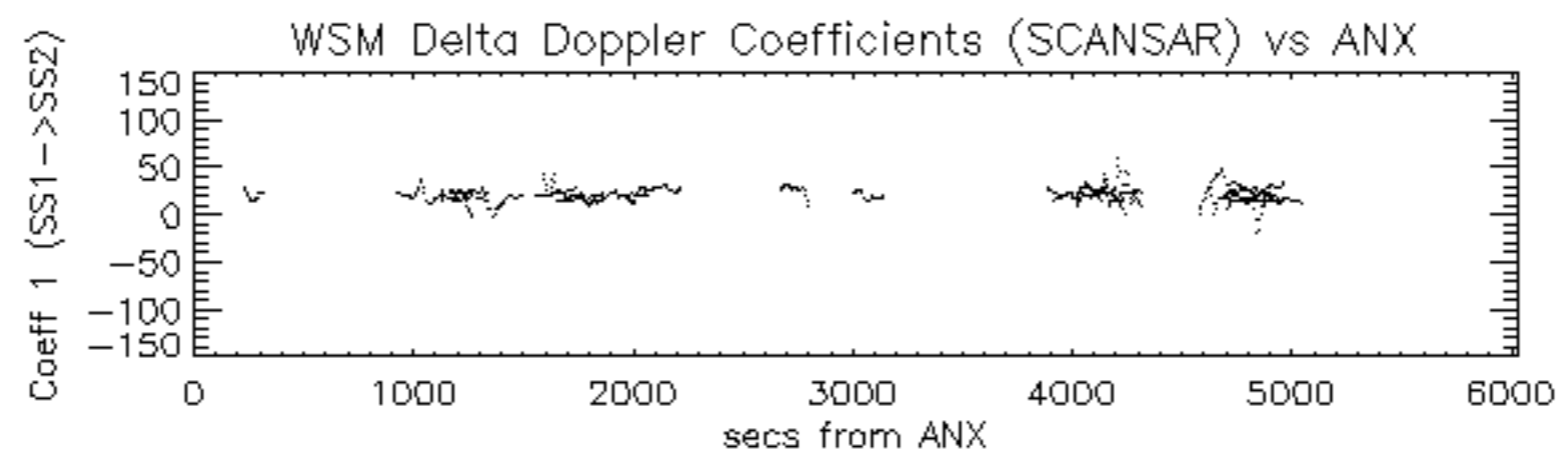


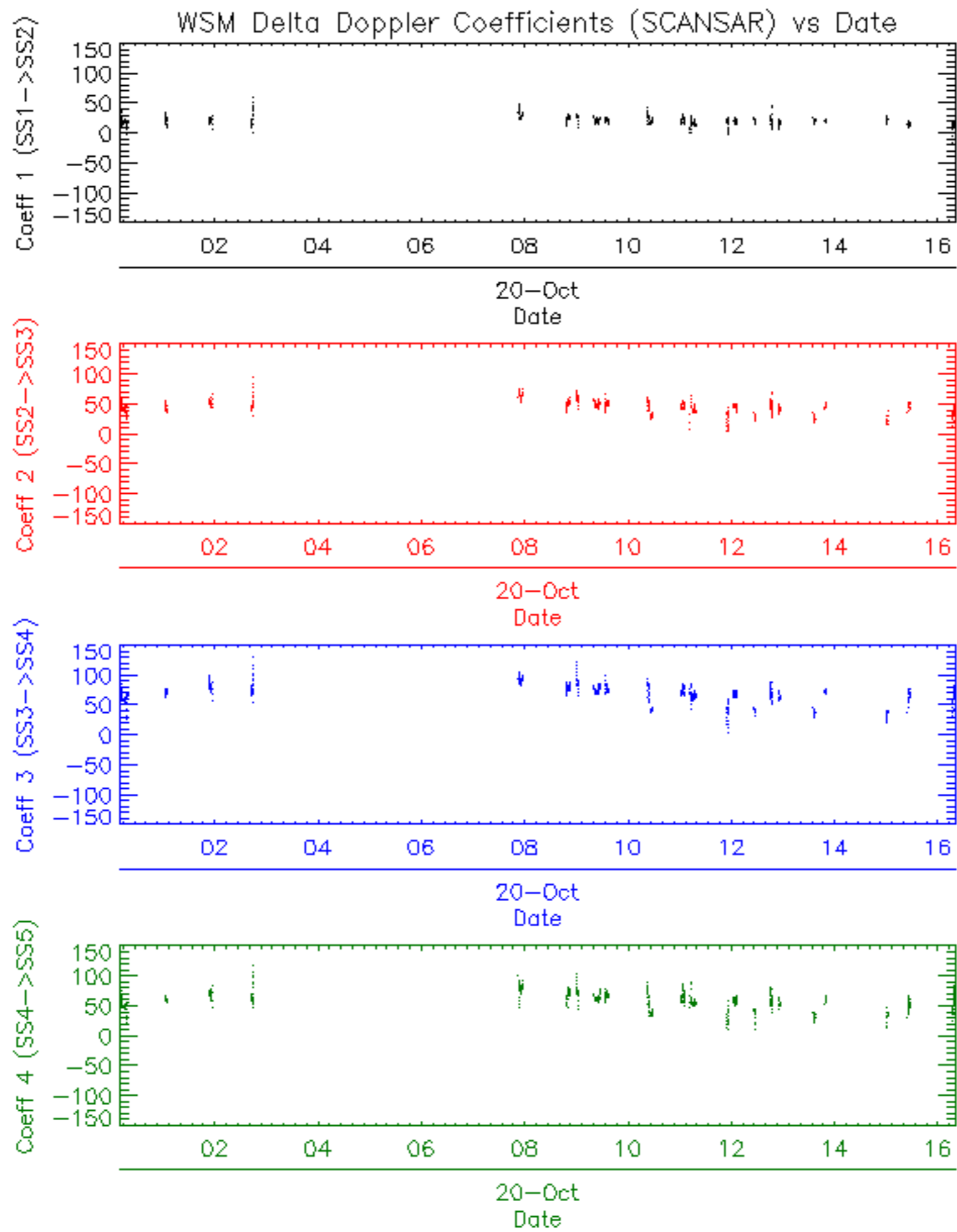




















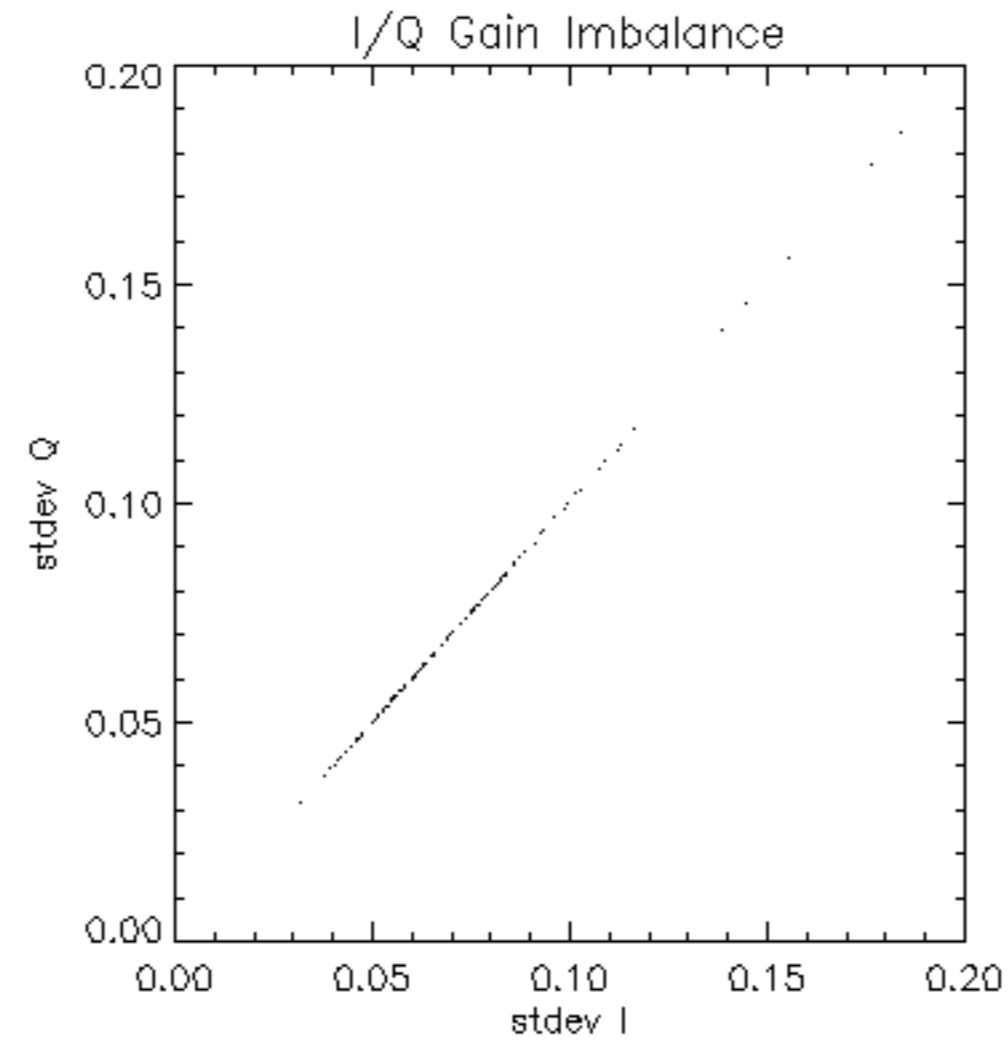


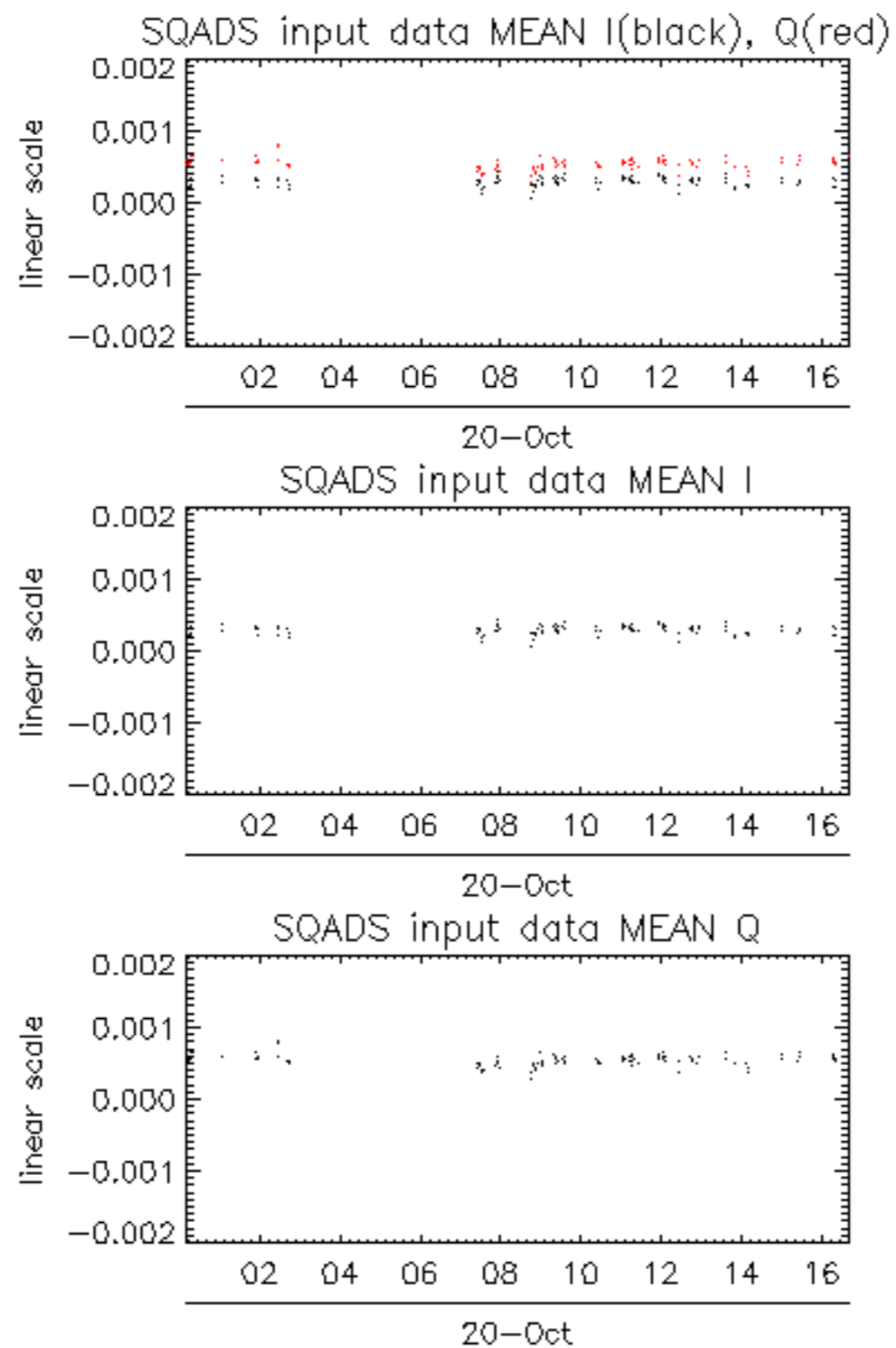


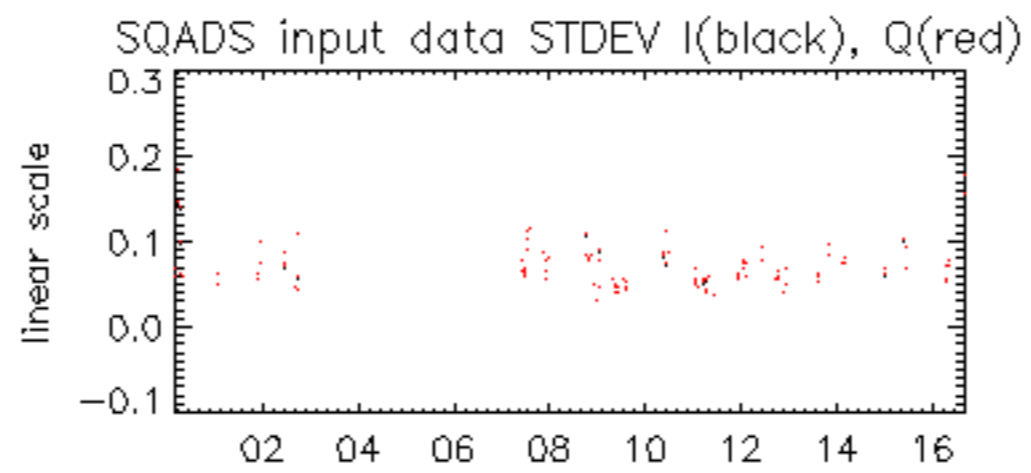




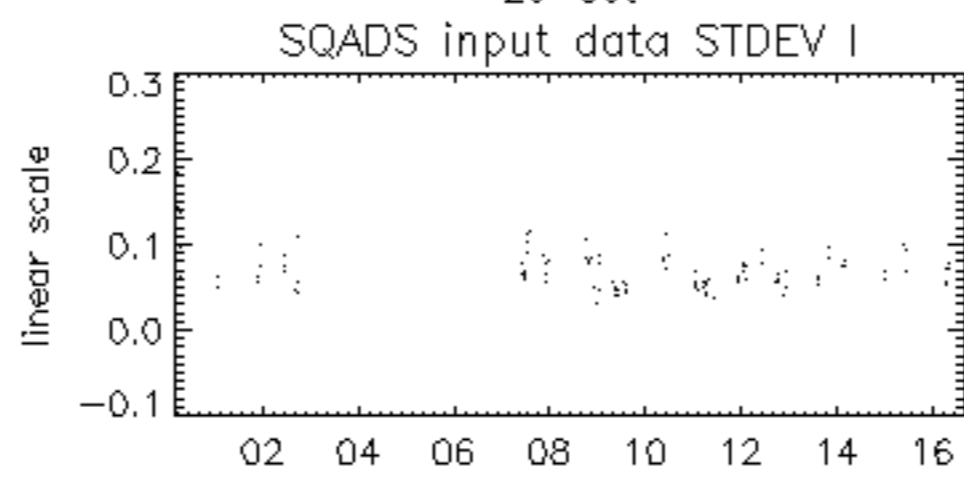




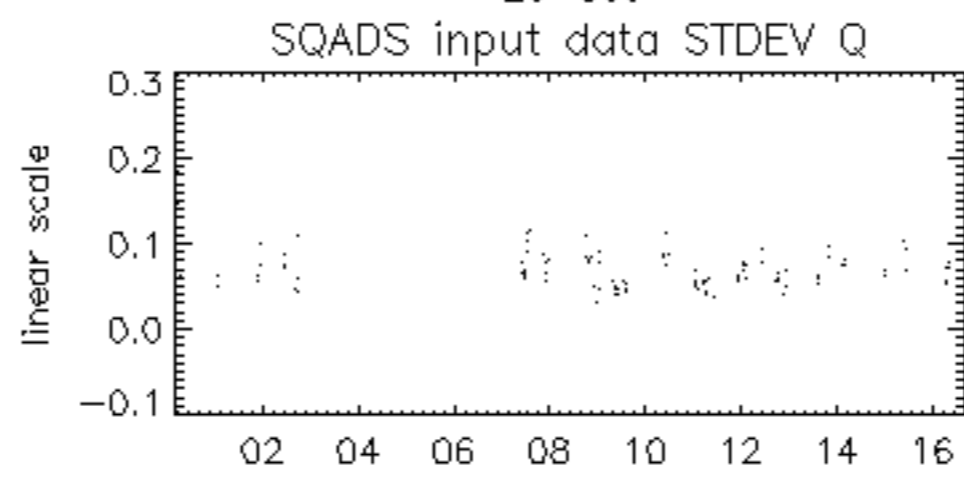




20-Oct



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