



Analysis from 20-DEC-2010 00:00:00 to 20-DEC-2010 23:59:59. Page generated on 21-DEC-2010 07:33:07.  
View log file: ASAR\_Daily\_Report\_20101221\_0731.log. For any anomalies please contact emma.griffiths@vega.co.uk, kajal.haria@vega.co.uk.

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

## SUMMARY

1. DATA SUMMARY
  - 1.1 Summary tables
  - 1.2 Lists of products used
2. AUXILIARY FILES ANALYSIS
  - 2.1 IECF operational ADFs list
  - 2.2 Products with wrong ADFs
3. MODULE STEPPING PRODUCTS ANALYSIS
  - 3.1 V/V polarisation
  - 3.2 H/H polarisation
4. CALIBRATION PULSES ANALYSIS
  - 4.1 Analysis for WVS IS2 V/V
    - 4.1.1 Temporal Evolution Analysis for WVS IS2 V/V
    - 4.1.2 All Rows Analysis for WVS IS2 V/V
  - 4.2 Analysis for GM1 SS3 H/H
    - 4.2.1 Temporal Evolution Analysis for GM1 SS3 H/H
    - 4.2.2 All Rows Analysis for GM1 SS3 H/H
5. DOPPLER ANALYSIS
  - 5.1 Analysis for WVS IS2 V/V
    - 5.1.1 Doppler MAP Analysis for WVS IS2 V/V
    - 5.1.2 Doppler ANX Analysis for WVS IS2 V/V
  - 5.2 Analysis for GM1 SS1 H/H
    - 5.2.1 Doppler MAP Analysis for GM1 SS1 H/H
    - 5.2.2 Doppler ANX Analysis for GM1 SS1 H/H
  - 5.3 Doppler JUMPS Analysis for WSM
6. CHIRP ANALYSIS
  - 6.1 Analysis for WSM SS1 H/H
    - 6.1.1 ScaleFactor
  - 6.2 Analysis for WSM SS1 V/V
    - 6.2.1 ScaleFactor
7. RAW DATA ANALYSIS
  - 7.1 Analysis for WVS
  - 7.2 Analysis for IMM
8. TELEMETRY ANALYSIS
  - 8.1 Number of Missing Lines
  - 8.2 Number of Gaps

---

## 1 - DATA SUMMARY

### 1.1 - Summary tables

[ [BACK TO MENU](#) ]

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	5	PDE	WS	H/H	37	PDE	IS2	H/H	1	PDE	IS2	V/V	1	PDE	WS	H/H	25	PDK	2010-12-20 08:24:12	H	320
PDE	IS2	V/V	29	PDK	WS	H/H	36					PDE	IS3	H/H	1	PDE	WS	V/V	5	PDK	2010-12-20 10:04:26	V	320
PDK	IS2	V/V	21									PDE	IS5	H/H	1	PDK	WS	H/H	8				
												PDE	IS6	H/H	5	PDK	WS	V/V	2				
												PDE	IS6	V/V	1								
												PDK	IS2	H/H	1								
												PDK	IS6	H/H	1								

## 1.2 - Lists of products used

[ [BACK TO MENU](#) ]

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

## 2 - AUXILIARY FILES ANALYSIS

### 2.1 - IECF operational ADFs list

[ [BACK TO MENU](#) ]

ADFs disseminated for ASAR
ASA_CON_AXVIEC20100608_125449_20100317_120410_20101231_000000
ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959
ASA_XCH_AXVIEC20091217_113006_20020301_000000_20101231_000000
ASA_XCA_AXVIEC20101111_113830_20100601_000000_20141231_000000

### 2.2 - Products with wrong ADFs

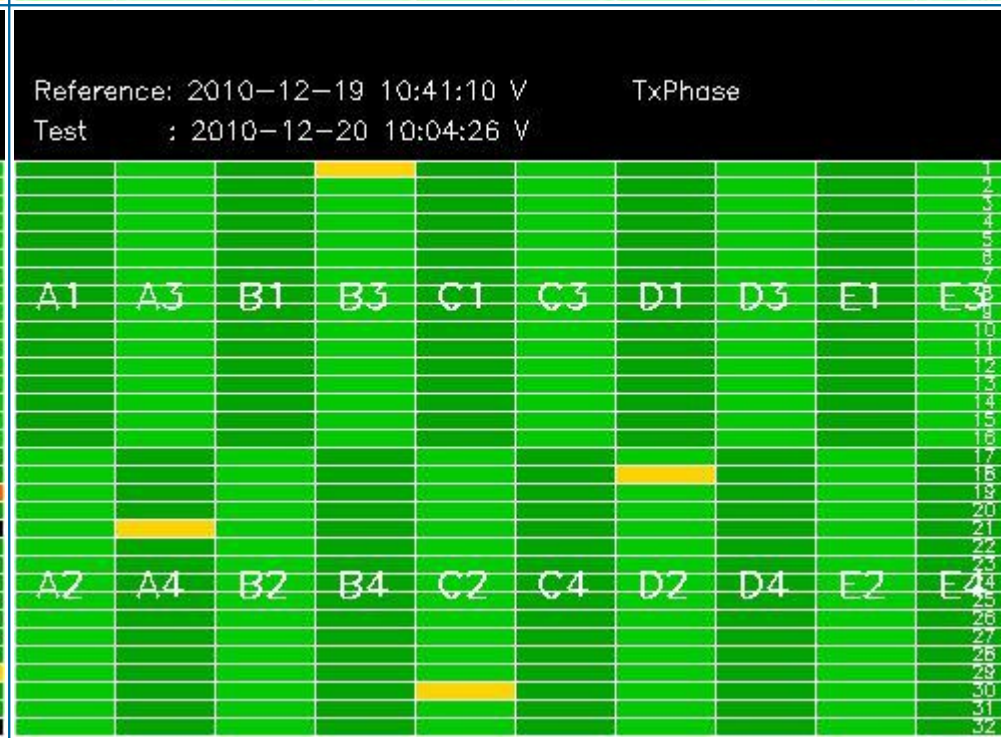
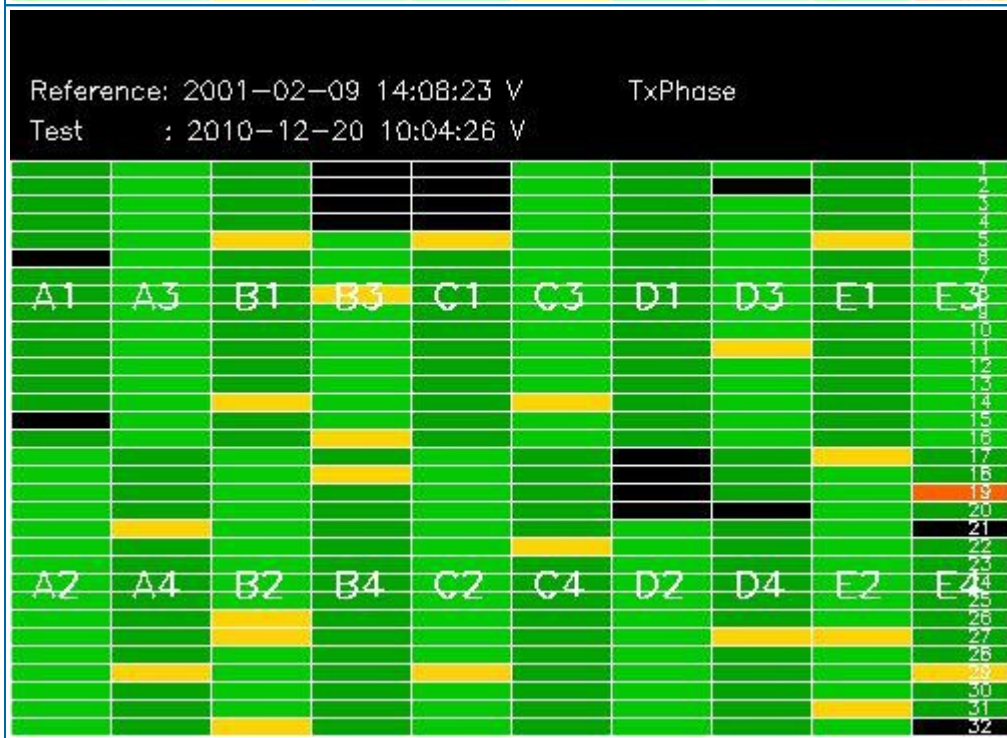
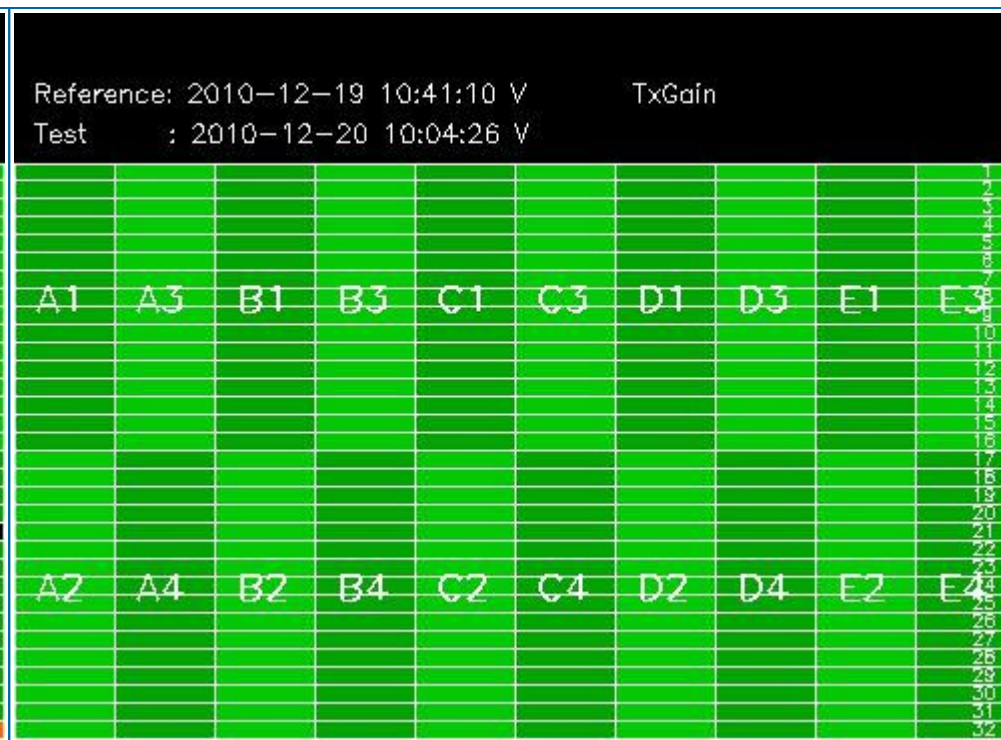
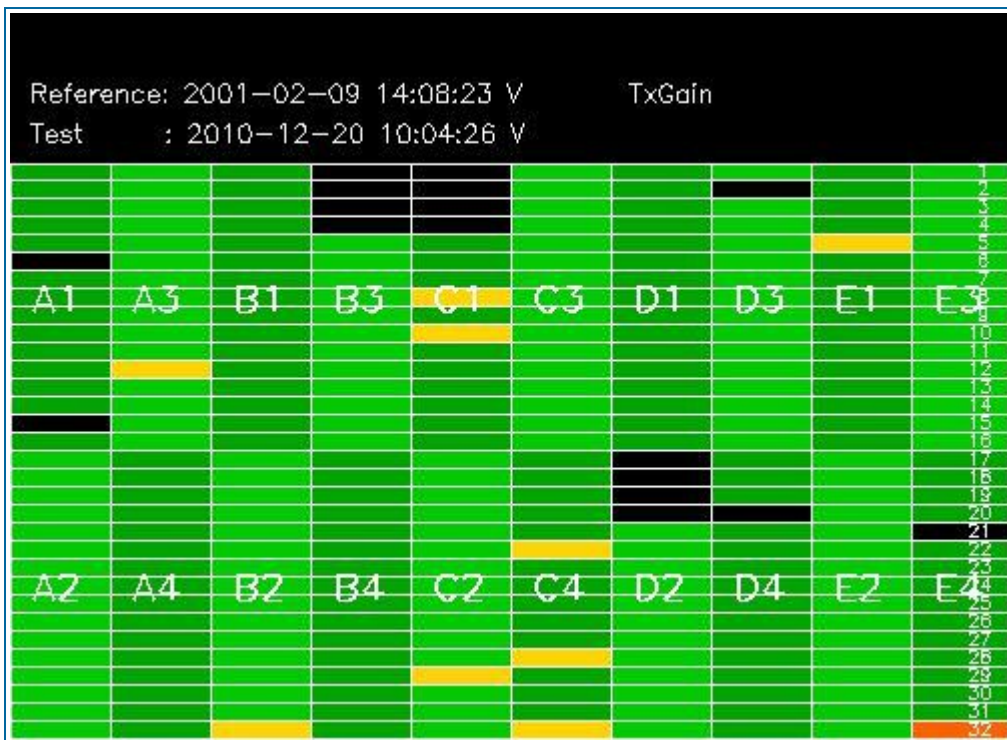
[ [BACK TO MENU](#) ]

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									
Pre-launch reference (2001-02-09)										Previous product in the same polarisation									
Reference: 2001-02-09 14:08:23 V Test : 2010-12-20 10:04:26 V										Reference: 2010-12-19 10:41:10 V Test : 2010-12-20 10:04:26 V									
RxGain										RxGain									
A1	A3	B1	B3	C1	C3	D1	D3	E1	E3	A1	A3	B1	B3	C1	C3	D1	D3	E1	E3
A2	A4	B2	B4	C2	C4	D2	D4	E2	E4	A2	A4	B2	B4	C2	C4	D2	D4	E2	E4
RxPhase										RxPhase									
Reference: 2001-02-09 14:08:23 V Test : 2010-12-20 10:04:26 V										Reference: 2010-12-19 10:41:10 V Test : 2010-12-20 10:04:26 V									
A1	A3	B1	B3	C1	C3	D1	D3	E1	E3	A1	A3	B1	B3	C1	C3	D1	D3	E1	E3
A2	A4	B2	B4	C2	C4	D2	D4	E2	E4	A2	A4	B2	B4	C2	C4	D2	D4	E2	E4



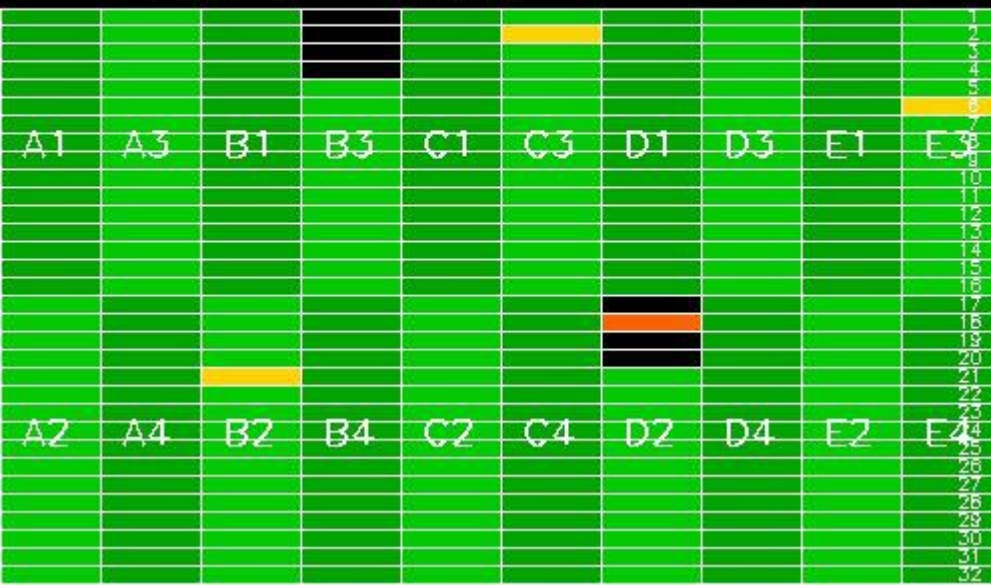
### 3.2 - H/H polarisation

[ [BACK TO MENU](#) ]

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

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

Test : 2010-12-20 08:24:12 H



Reference: 2010-12-19 09:00:56 H RxGain

Test : 2010-12-20 08:24:12 H



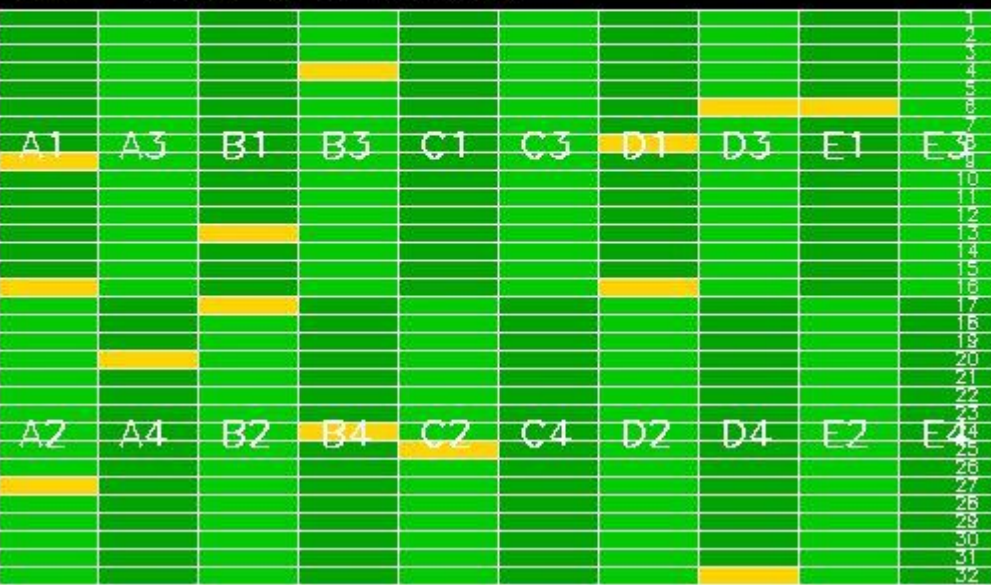
Reference: 2001-02-09 13:50:42 H RxPhase

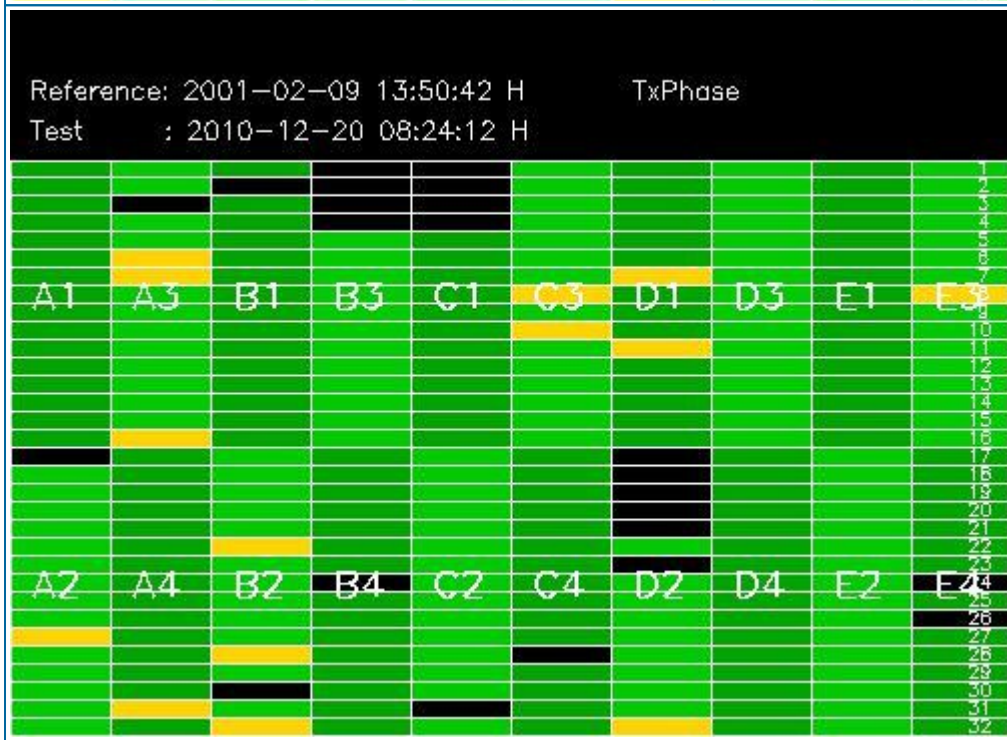
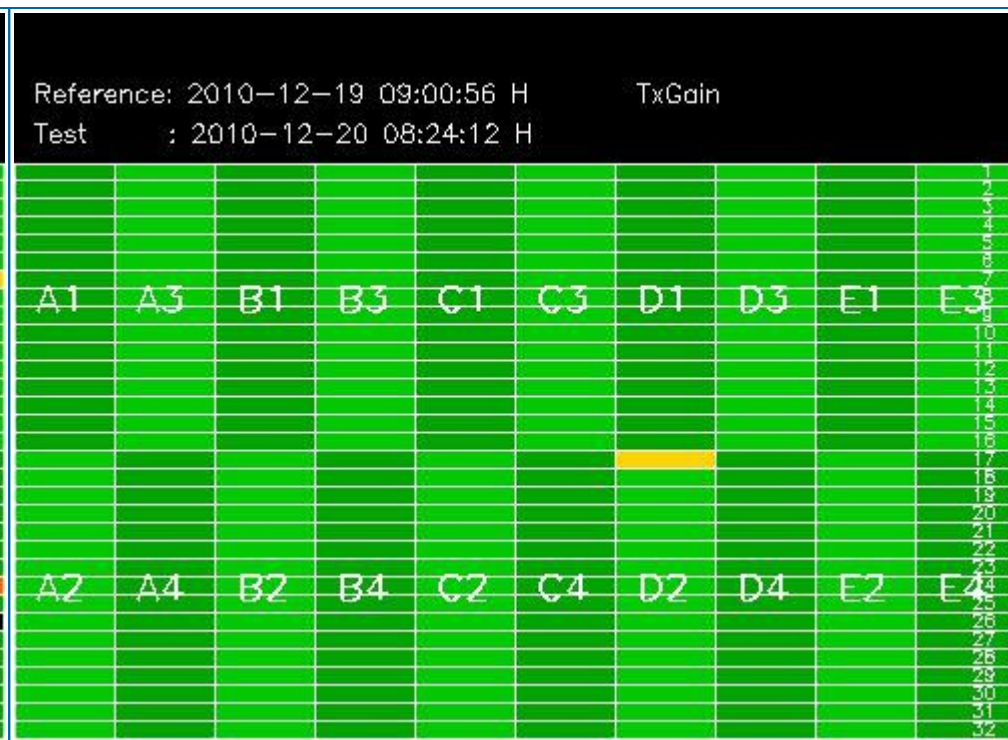
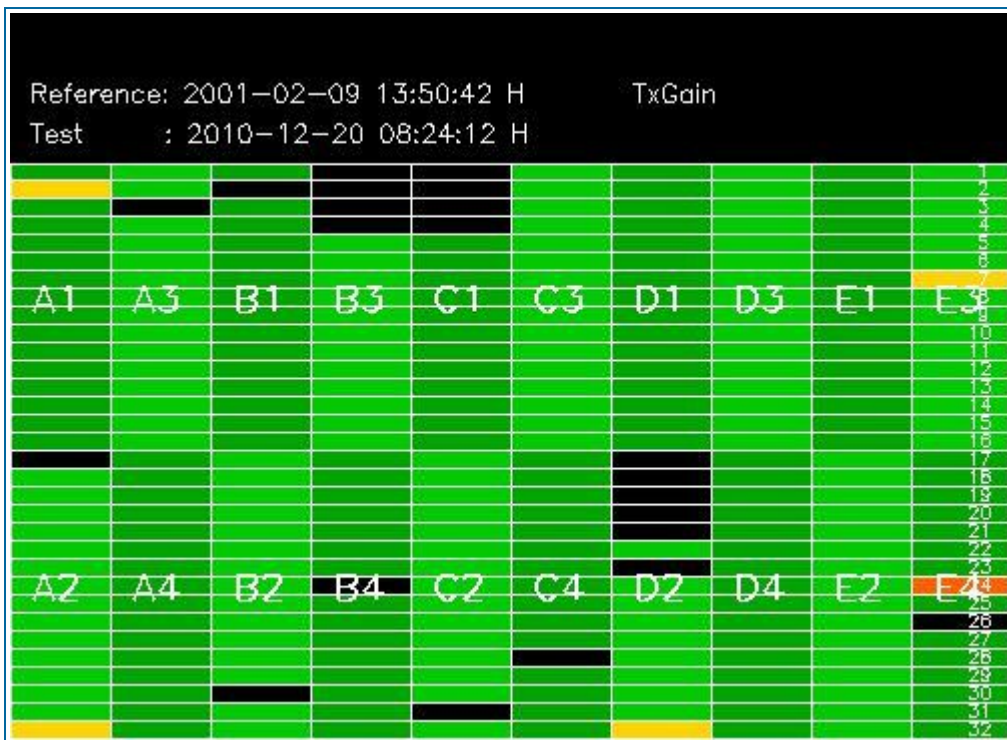
Test : 2010-12-20 08:24:12 H



Reference: 2010-12-19 09:00:56 H RxPhase

Test : 2010-12-20 08:24:12 H





## 4 - CALIBRATION PULSES ANALYSIS

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

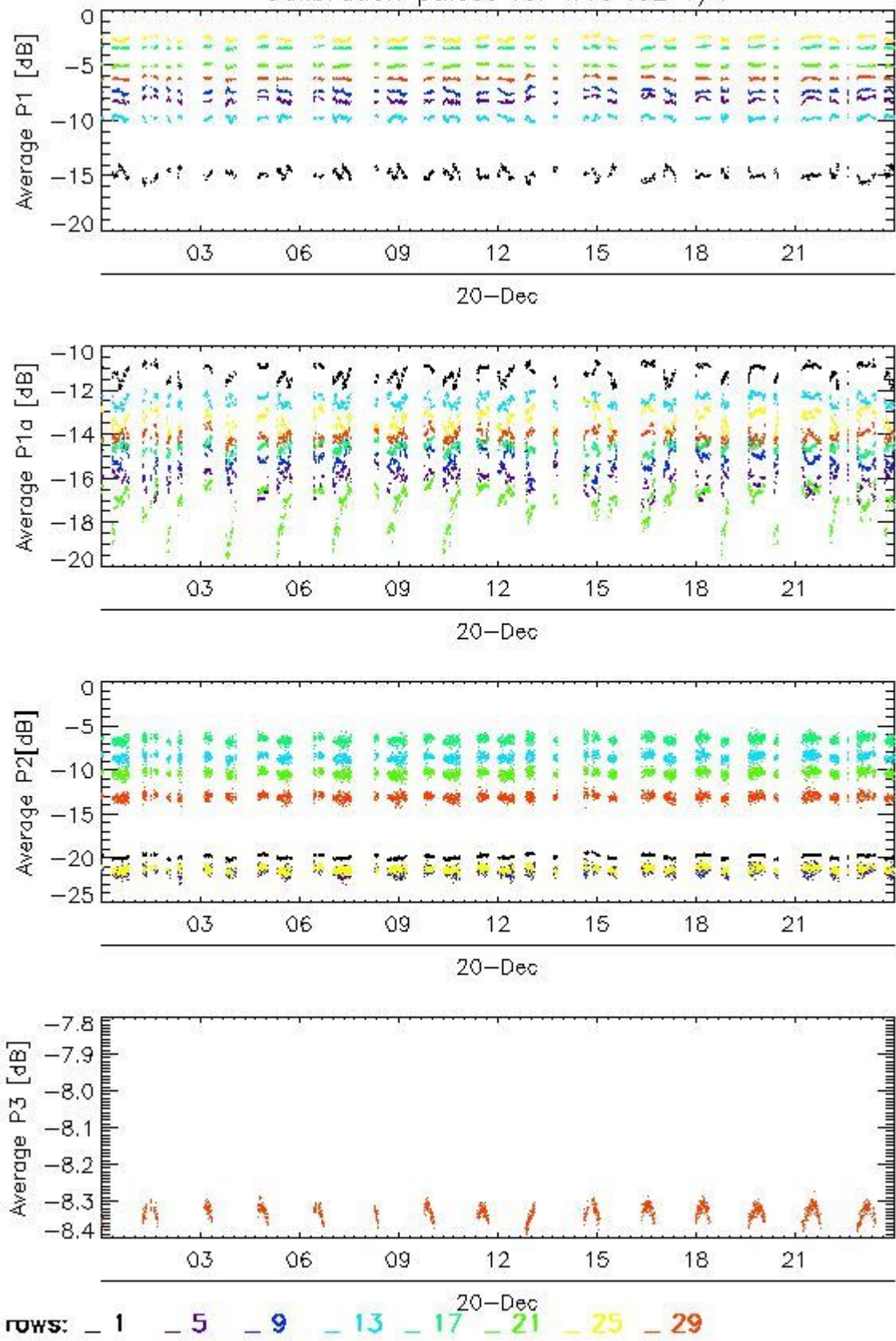
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[ BACK TO MENU ]

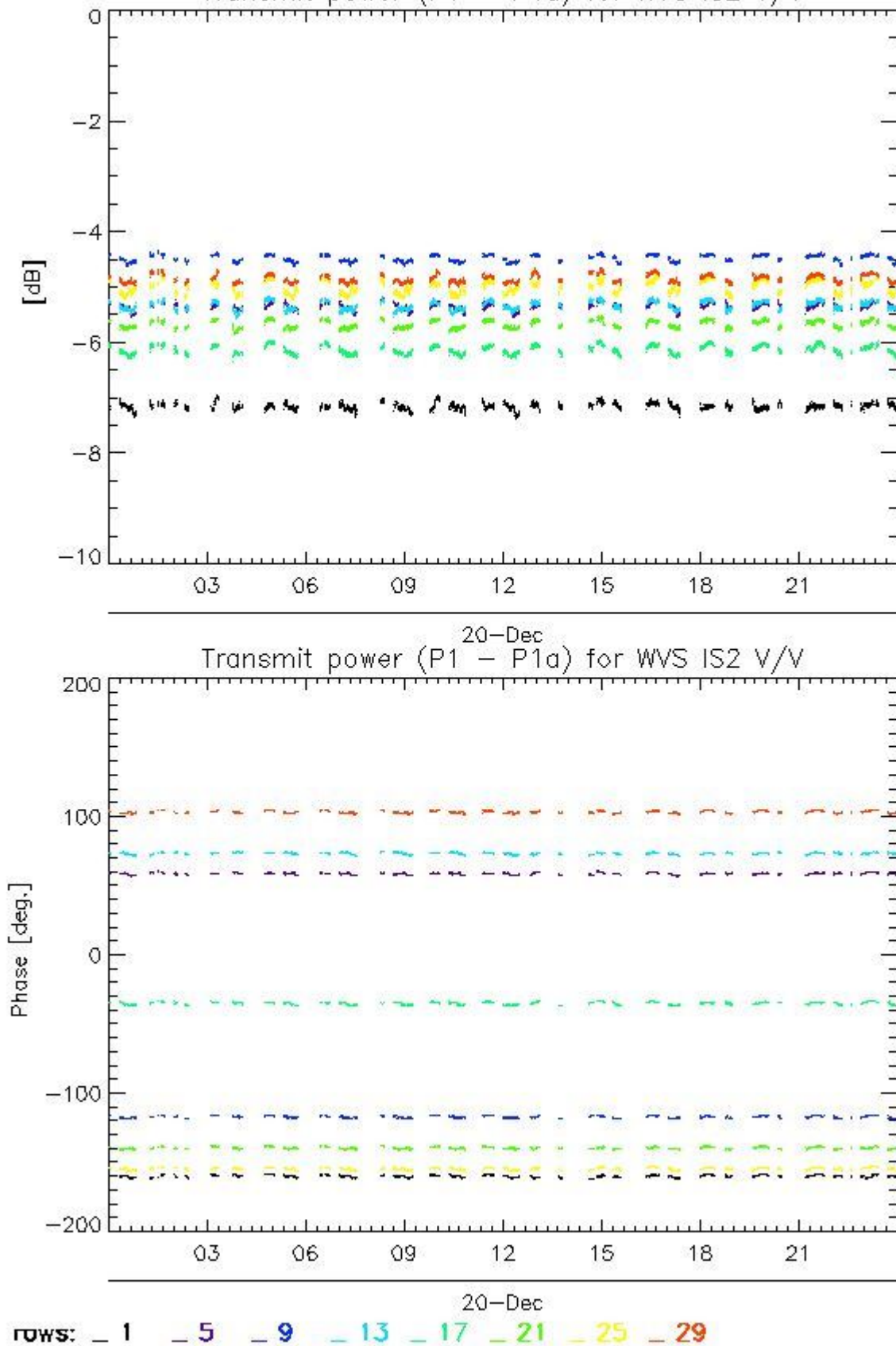
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



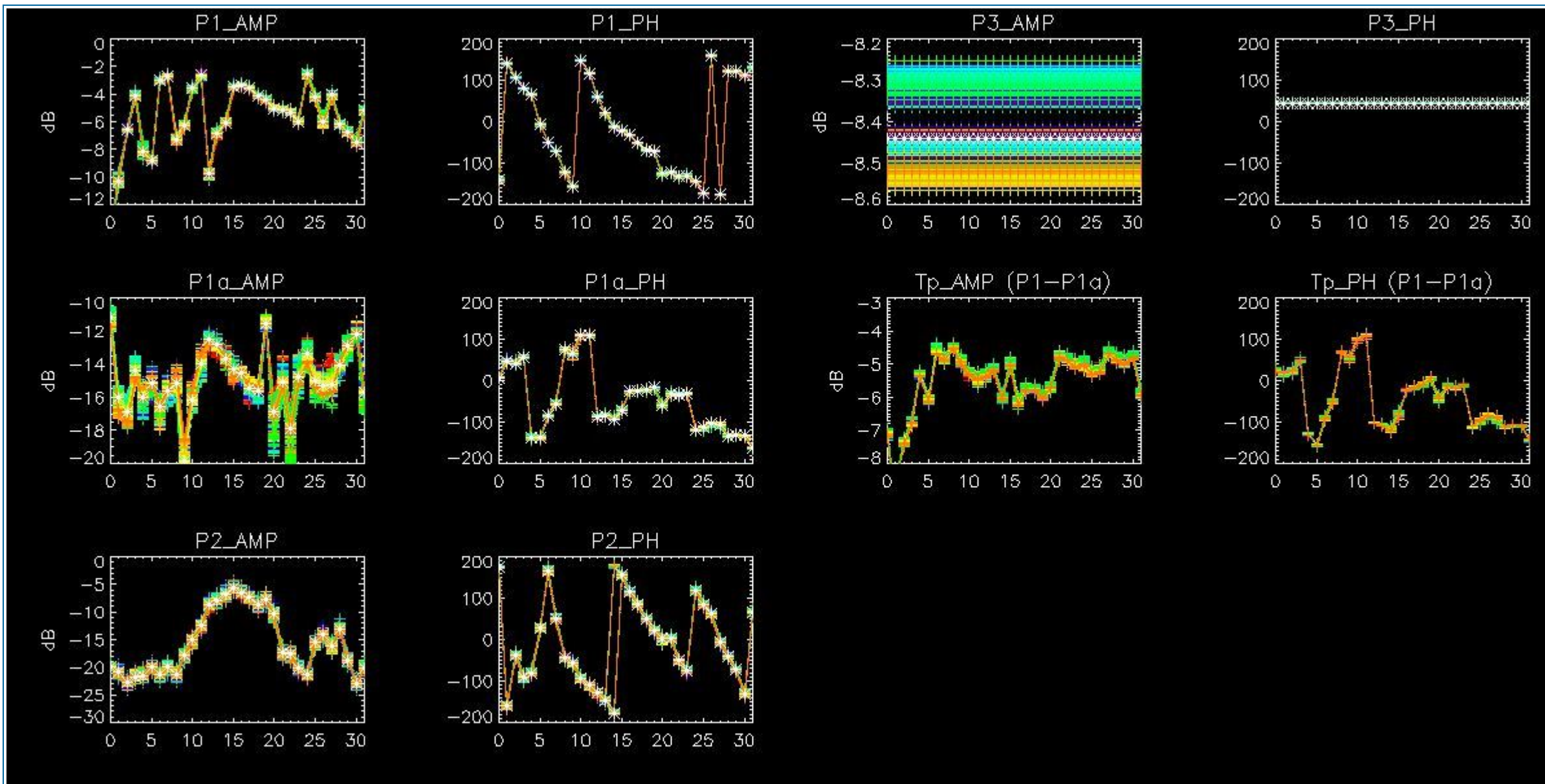
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

[ BACK TO MENU ]





## 4.2 - Analysis for GM1 SS3 H/H

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

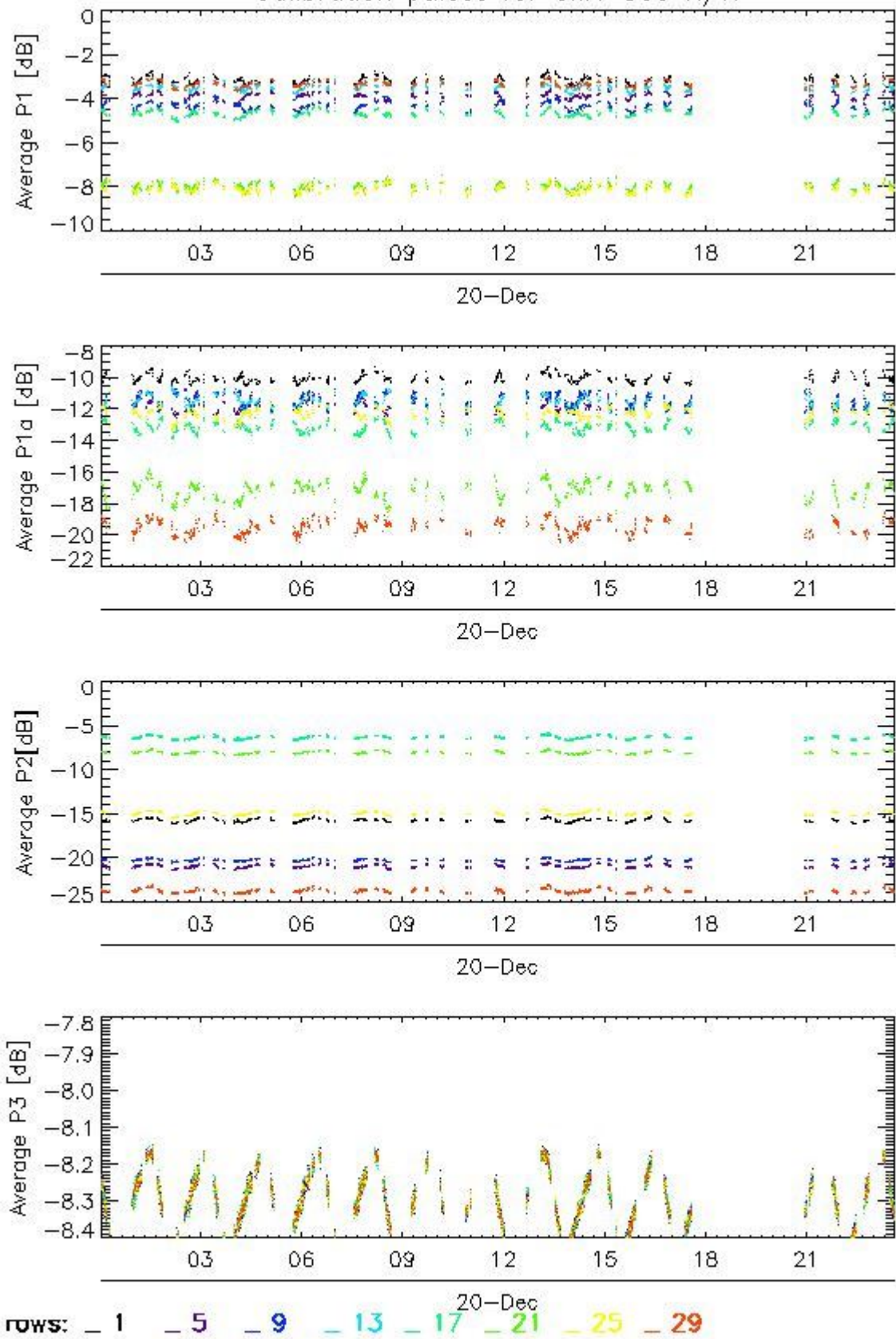
[ BACK TO MENU ]

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

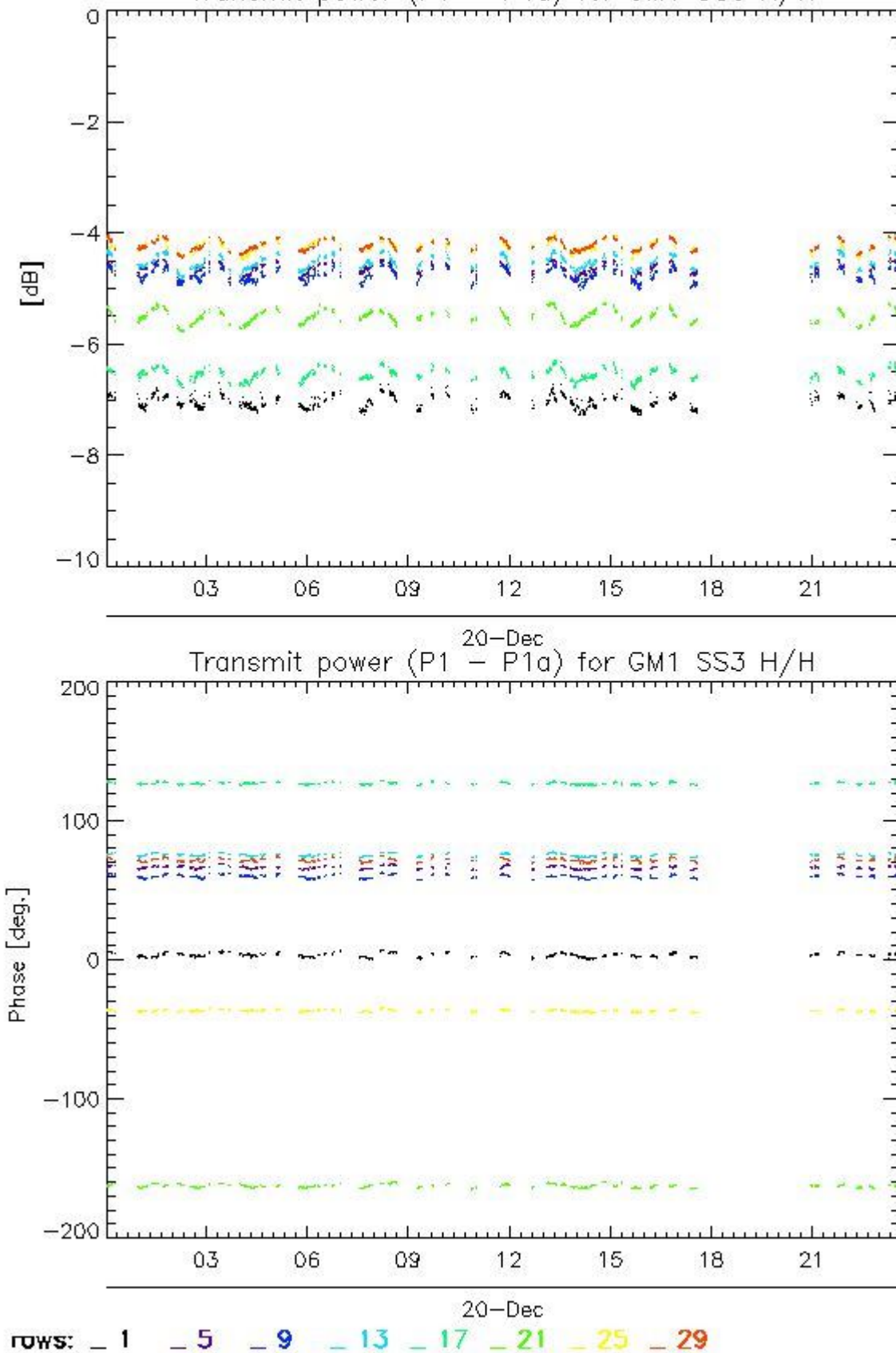
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



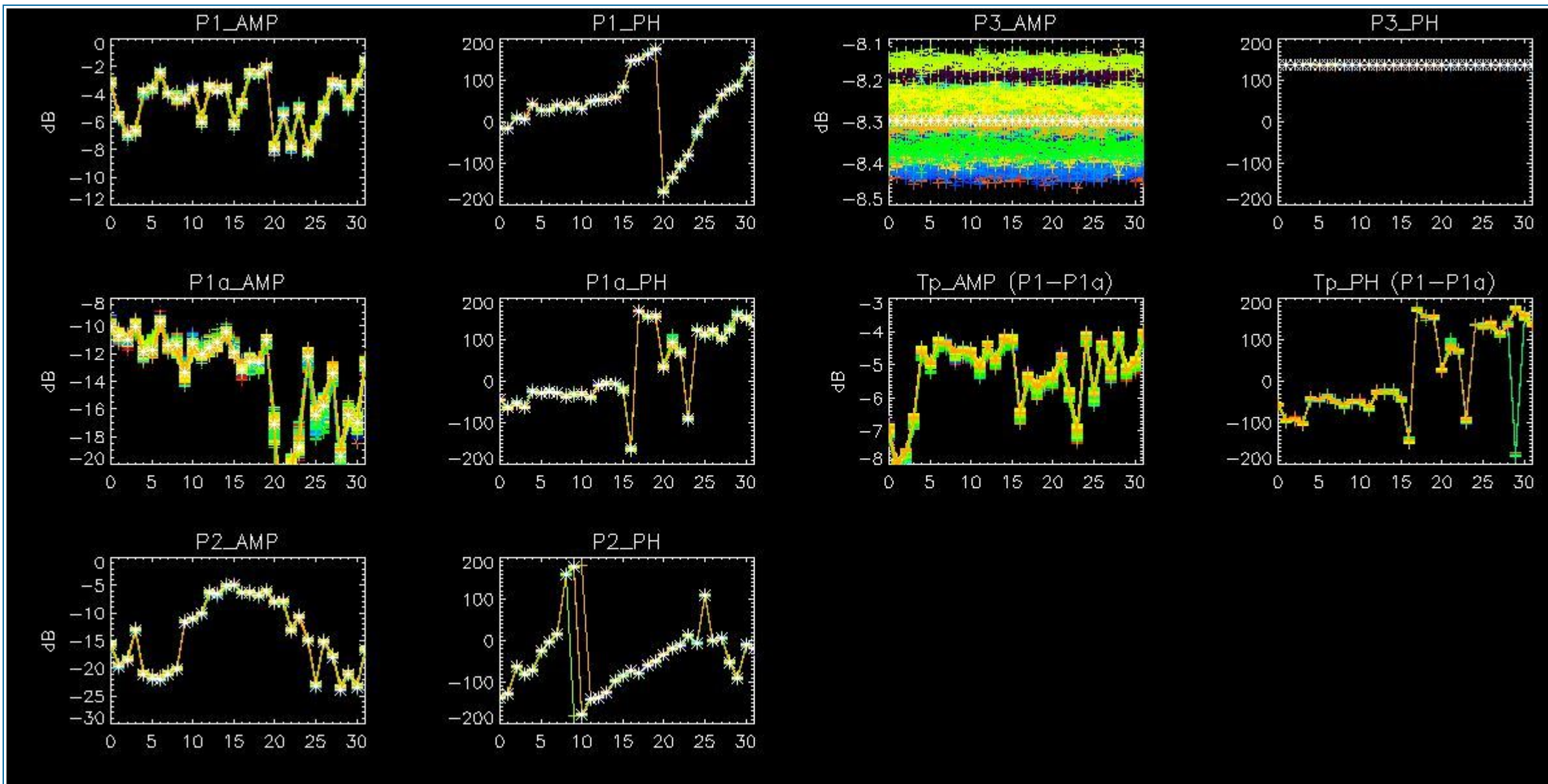
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[ [BACK TO MENU](#) ]





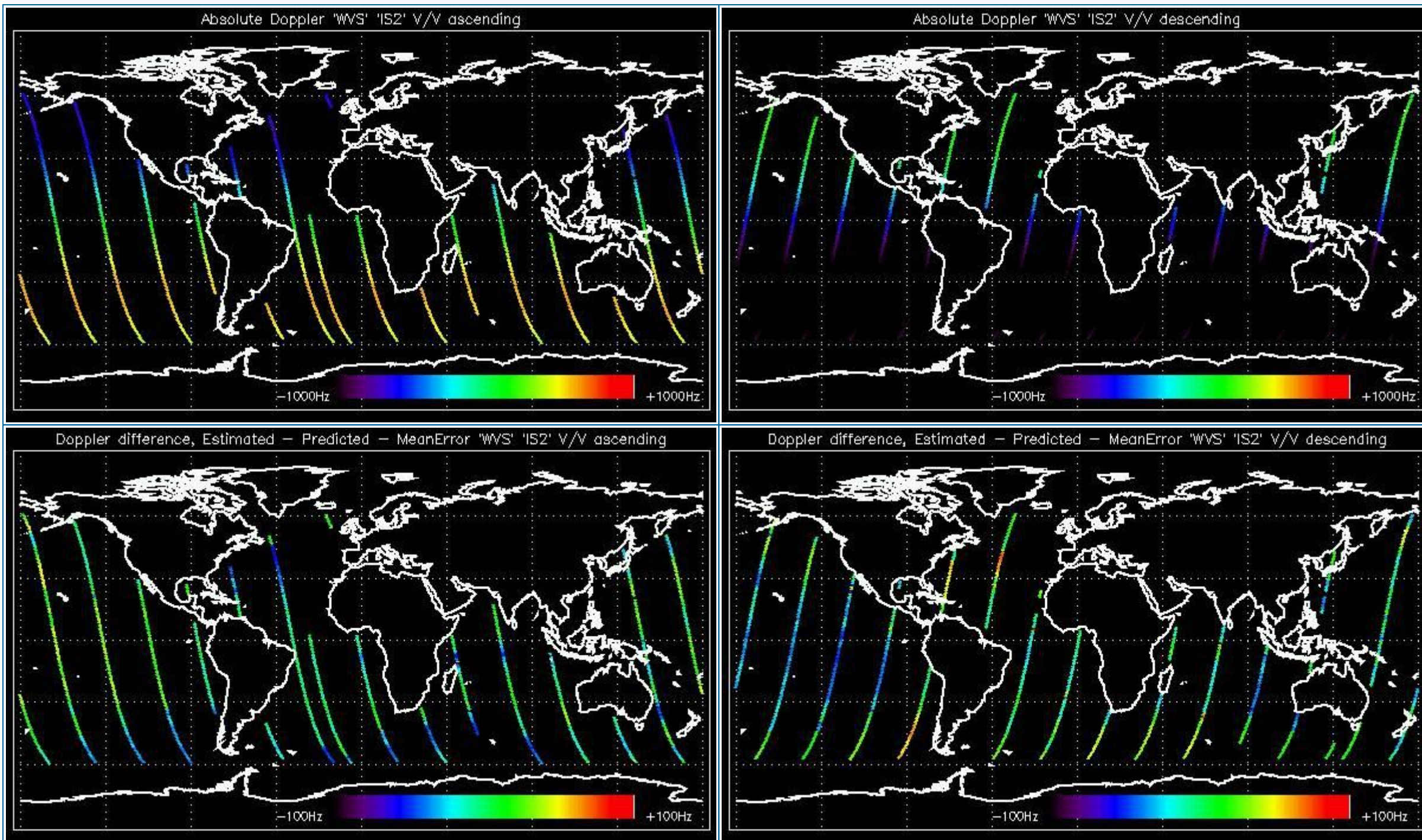
## 5 - DOPPLER ANALYSIS

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

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

[ [BACK TO MENU](#) ]

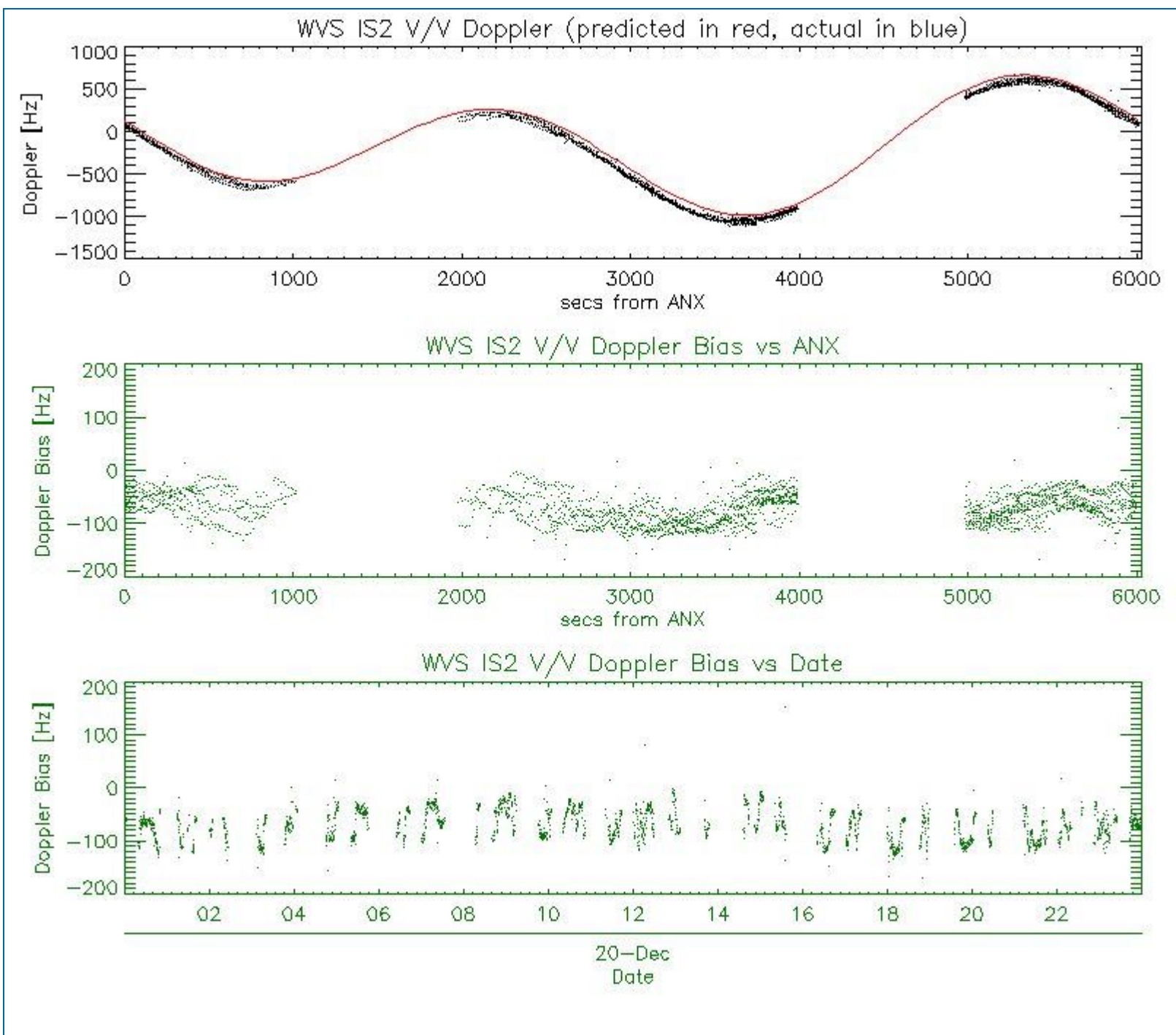




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[ [BACK TO MENU](#) ]



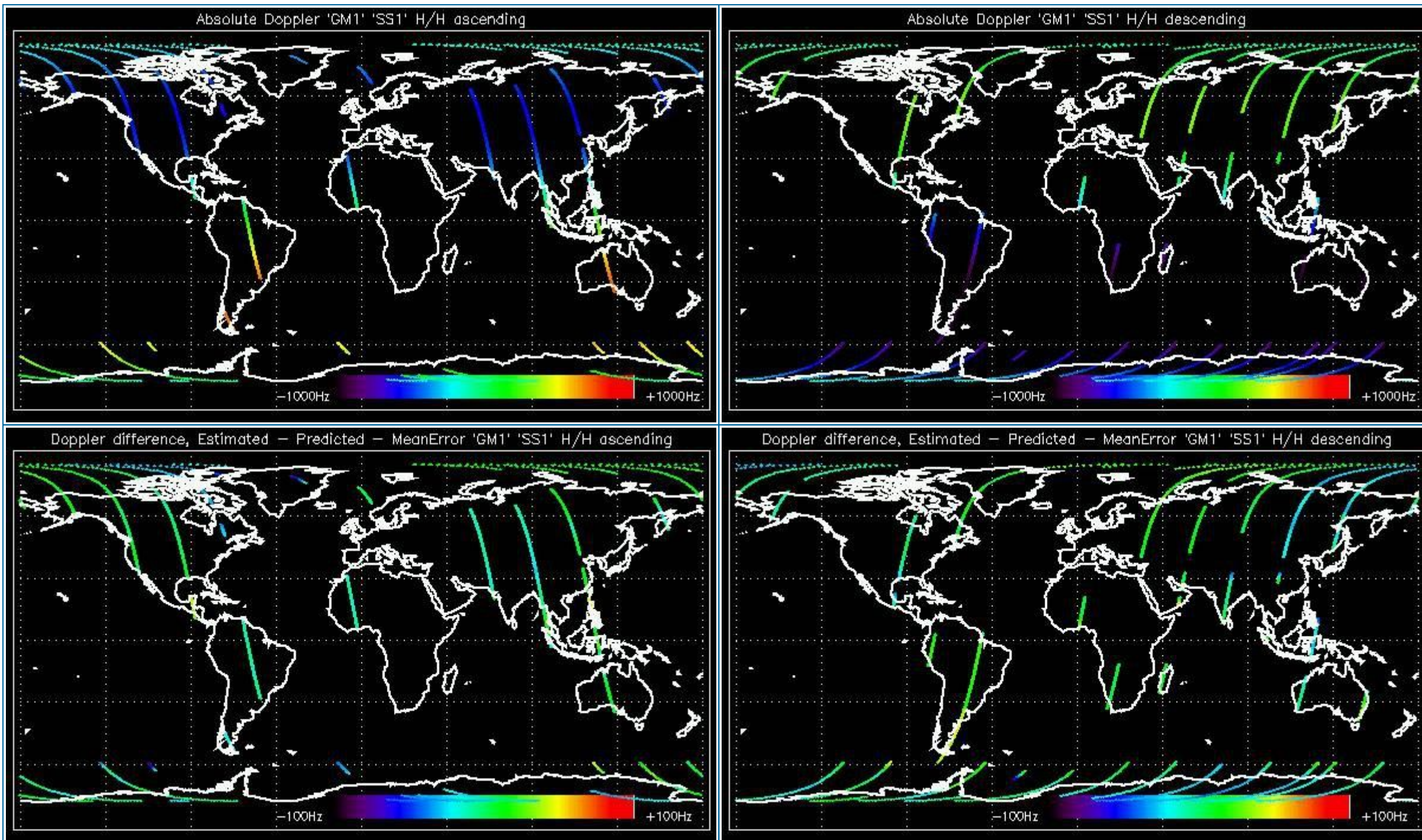


## 5.2 - Analysis for GM1 SS1 H/H

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

[ [BACK TO MENU](#) ]

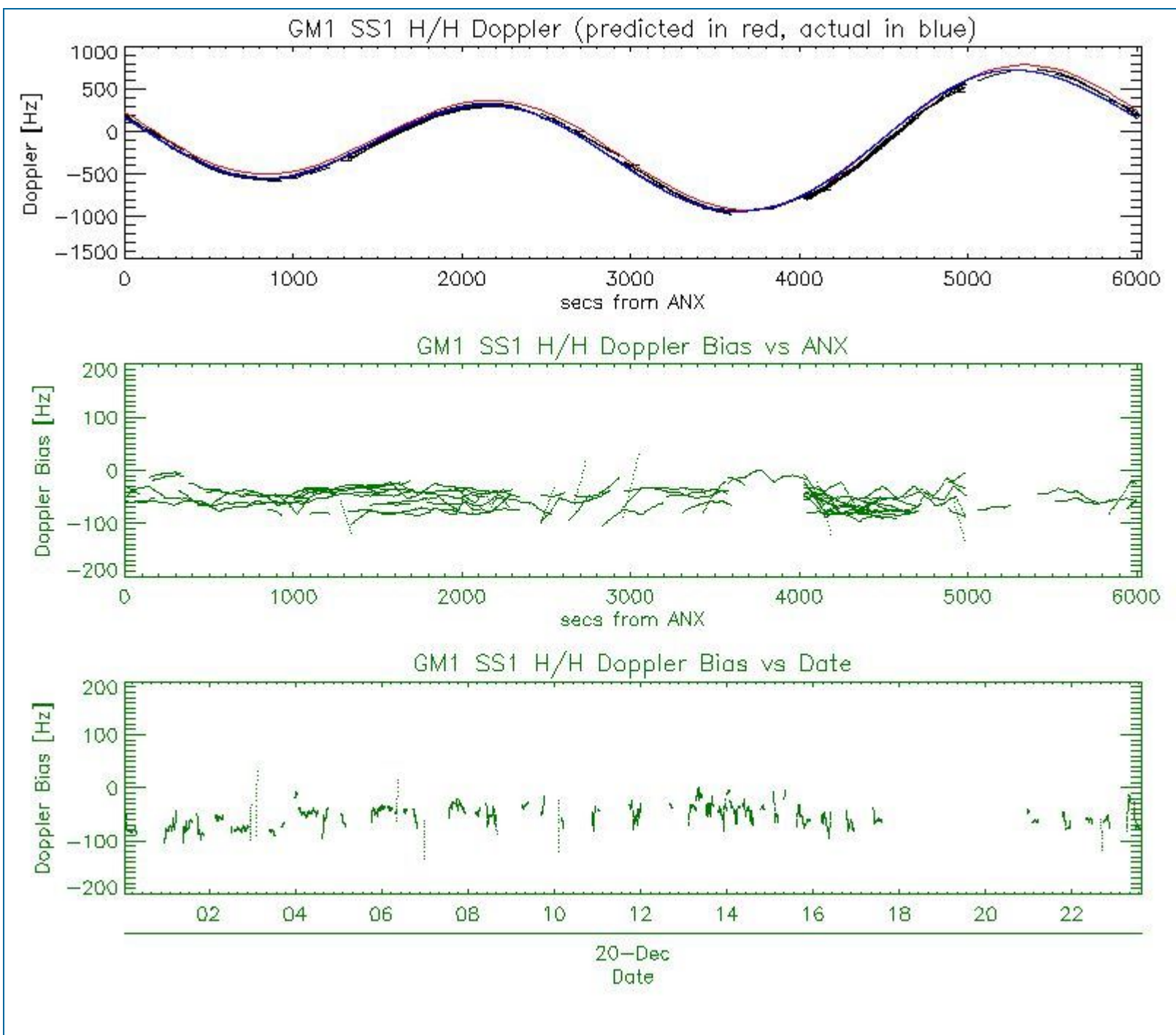




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[ [BACK TO MENU](#) ]

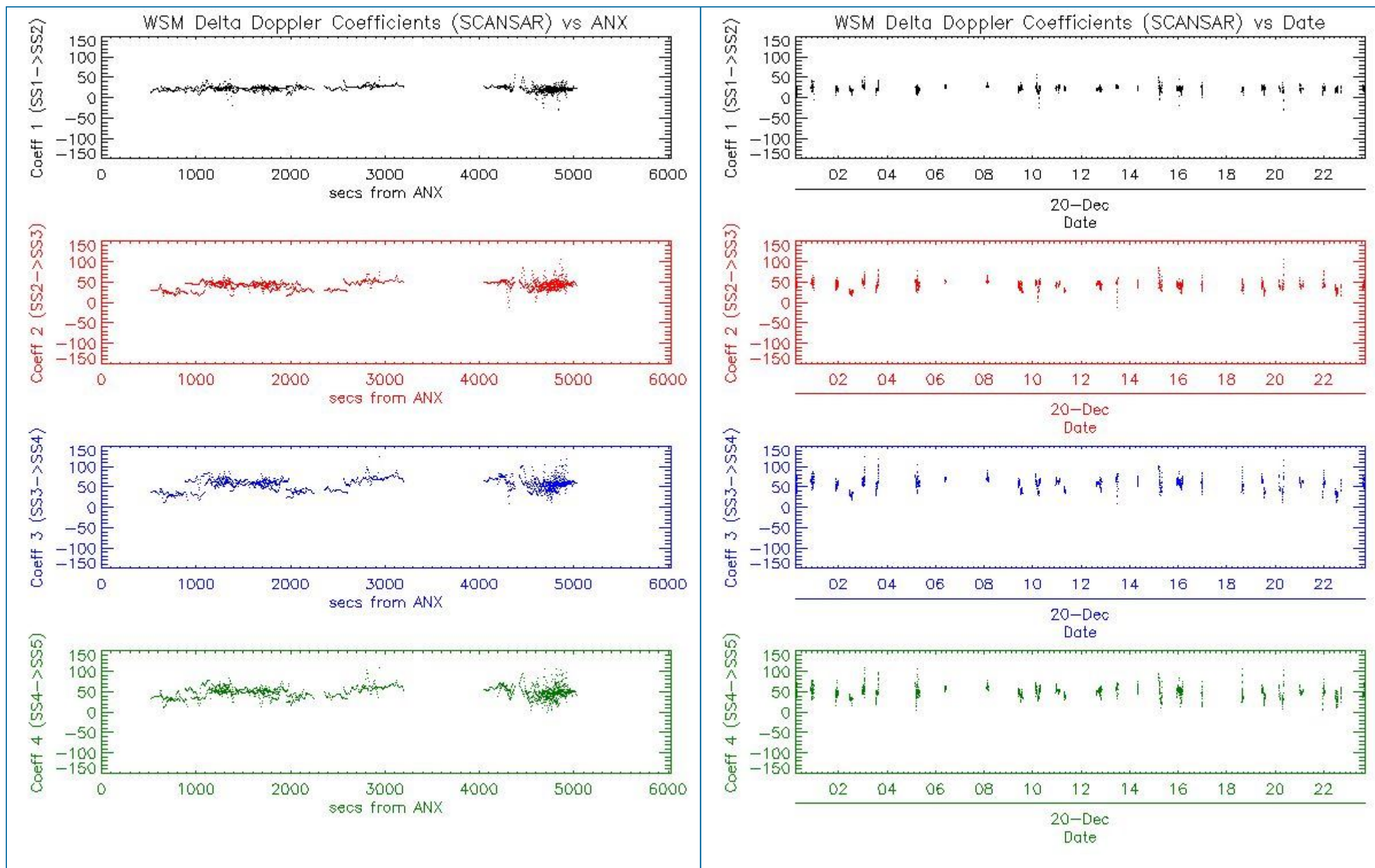




### 5.3 - Doppler JUMPS Analysis for WSM

[ BACK TO MENU ]





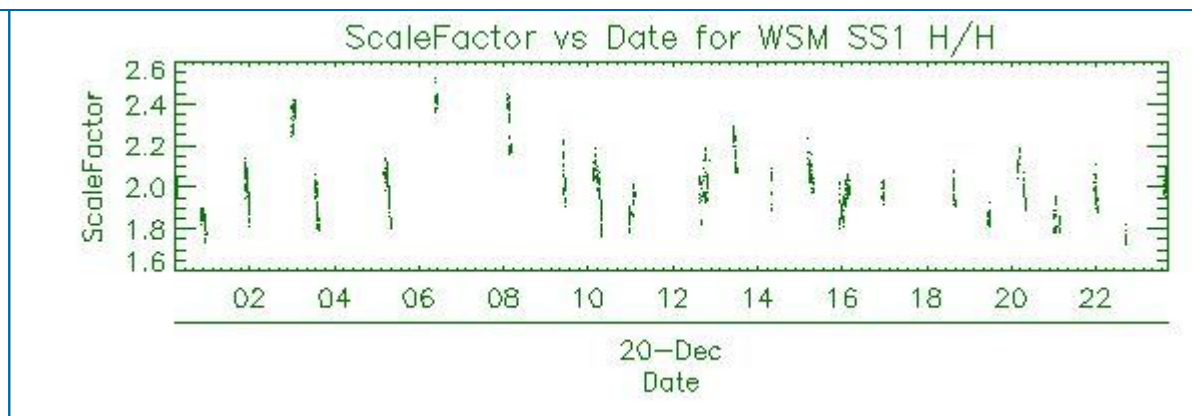
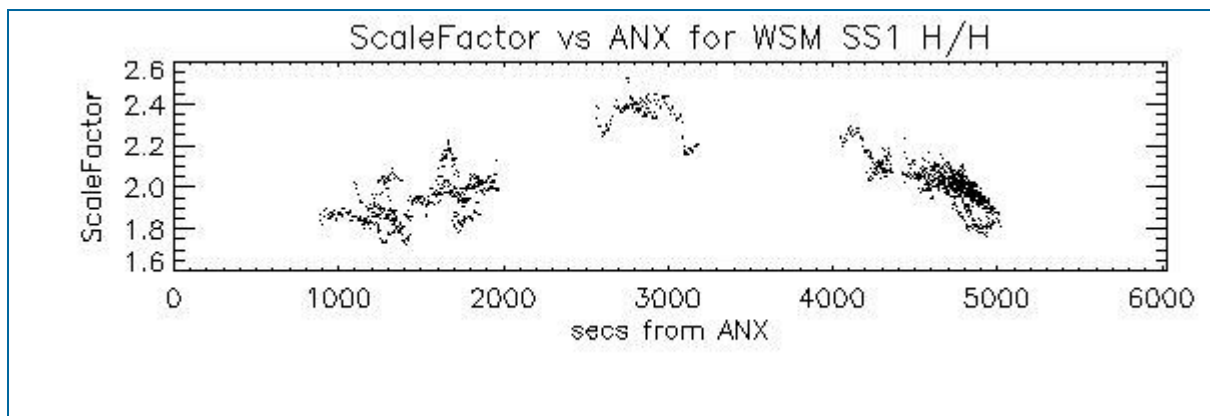
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

[ [BACK TO MENU](#) ]

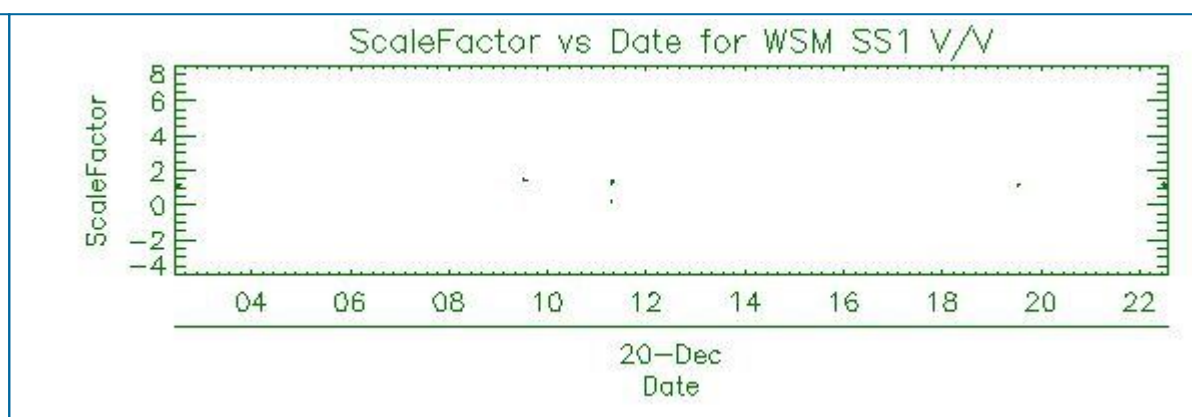
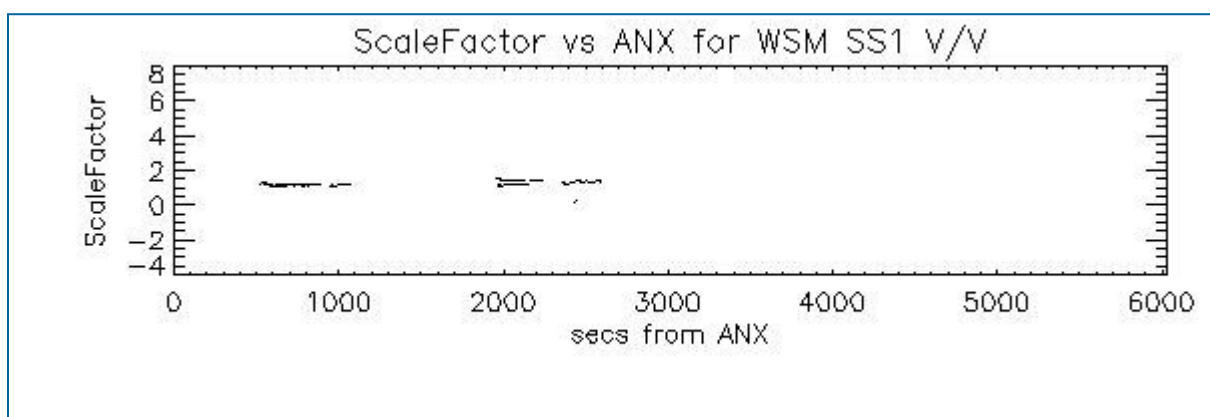




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

[ [BACK TO MENU](#) ]



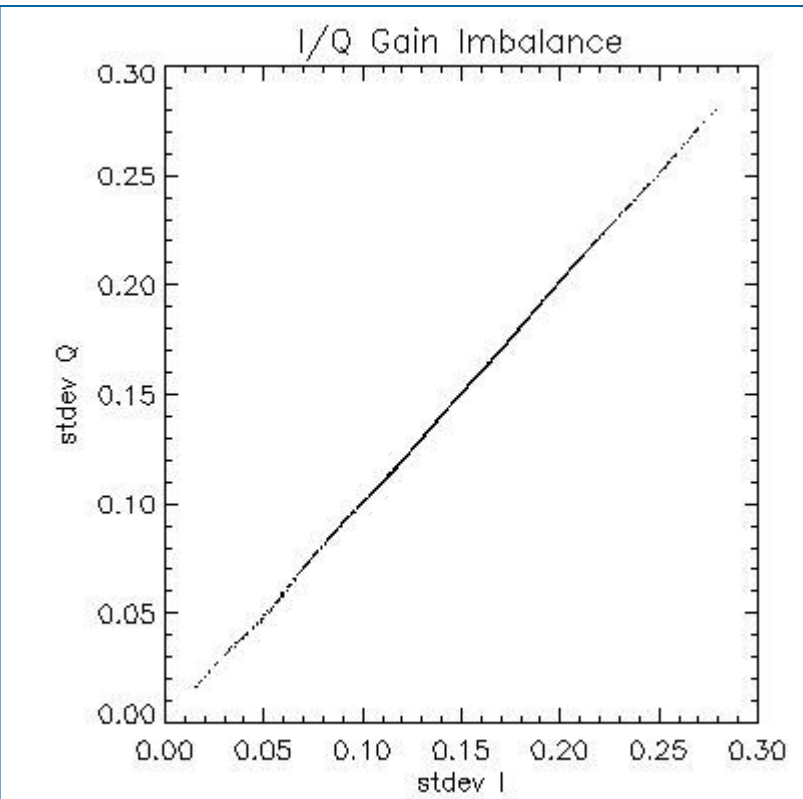
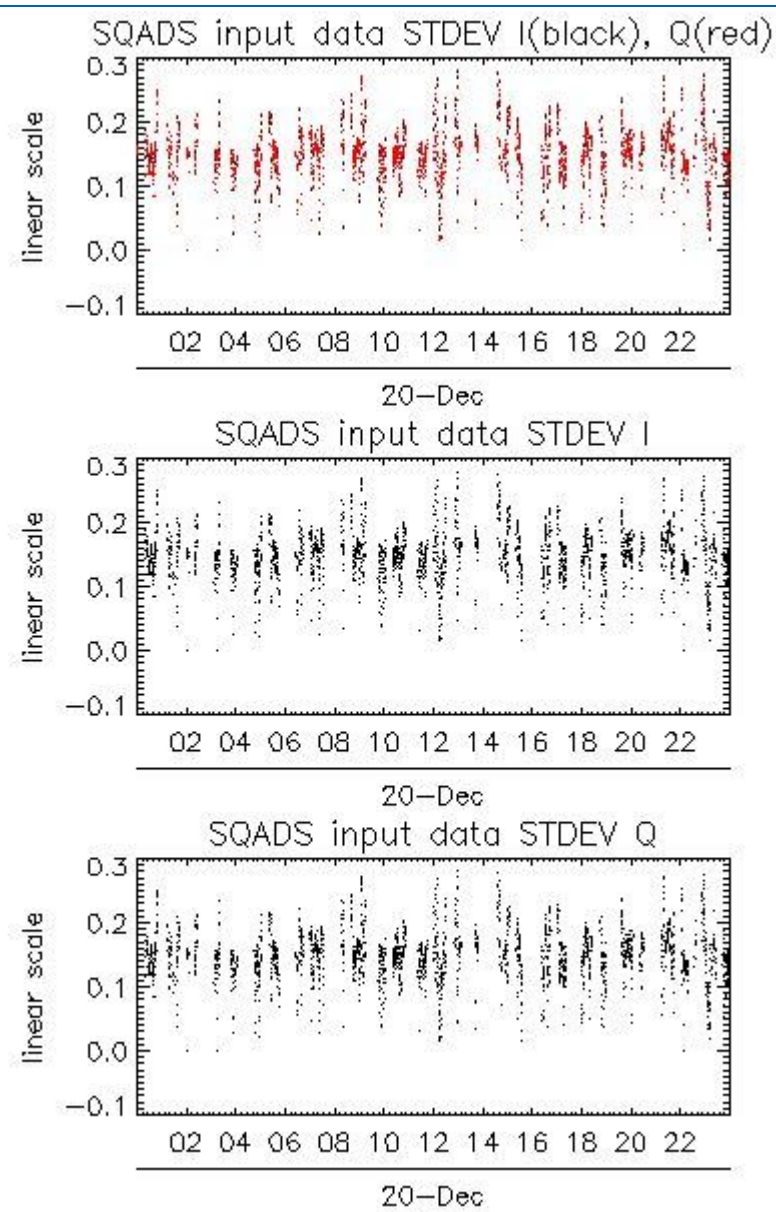
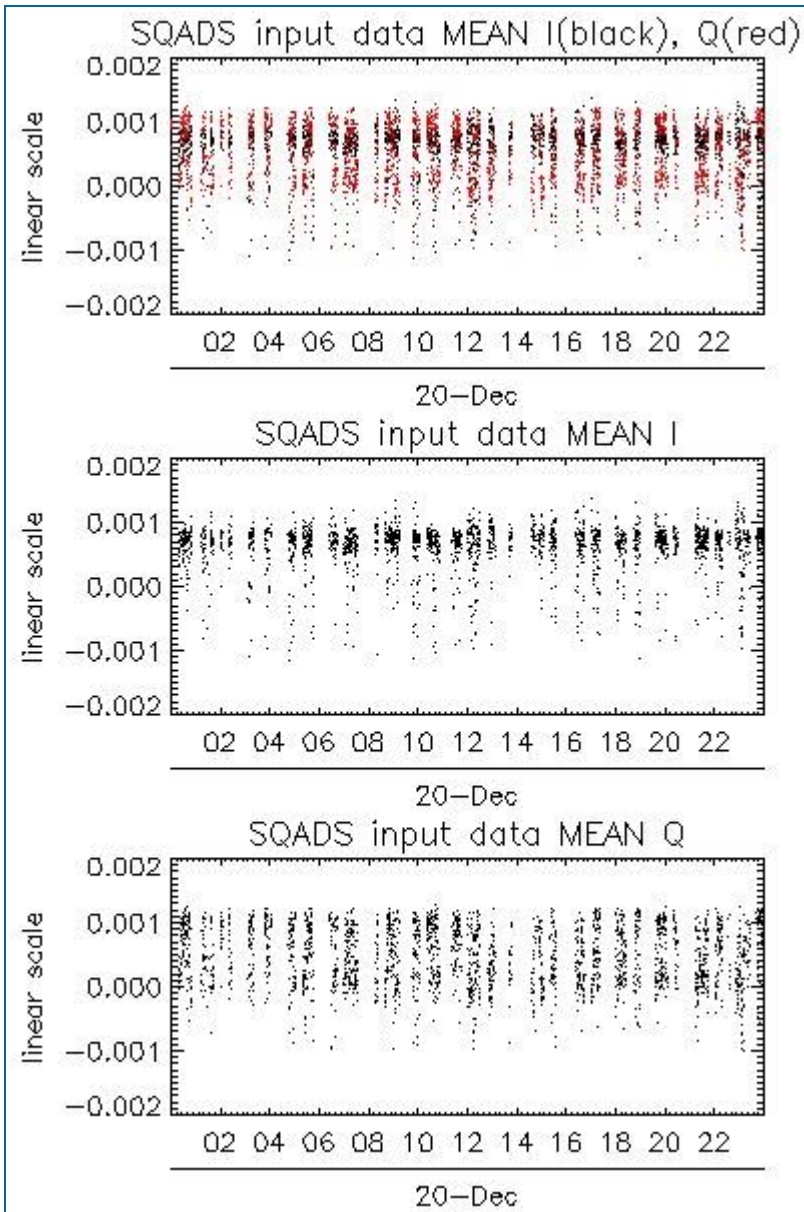
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

[ [BACK TO MENU](#) ]

--	--	--



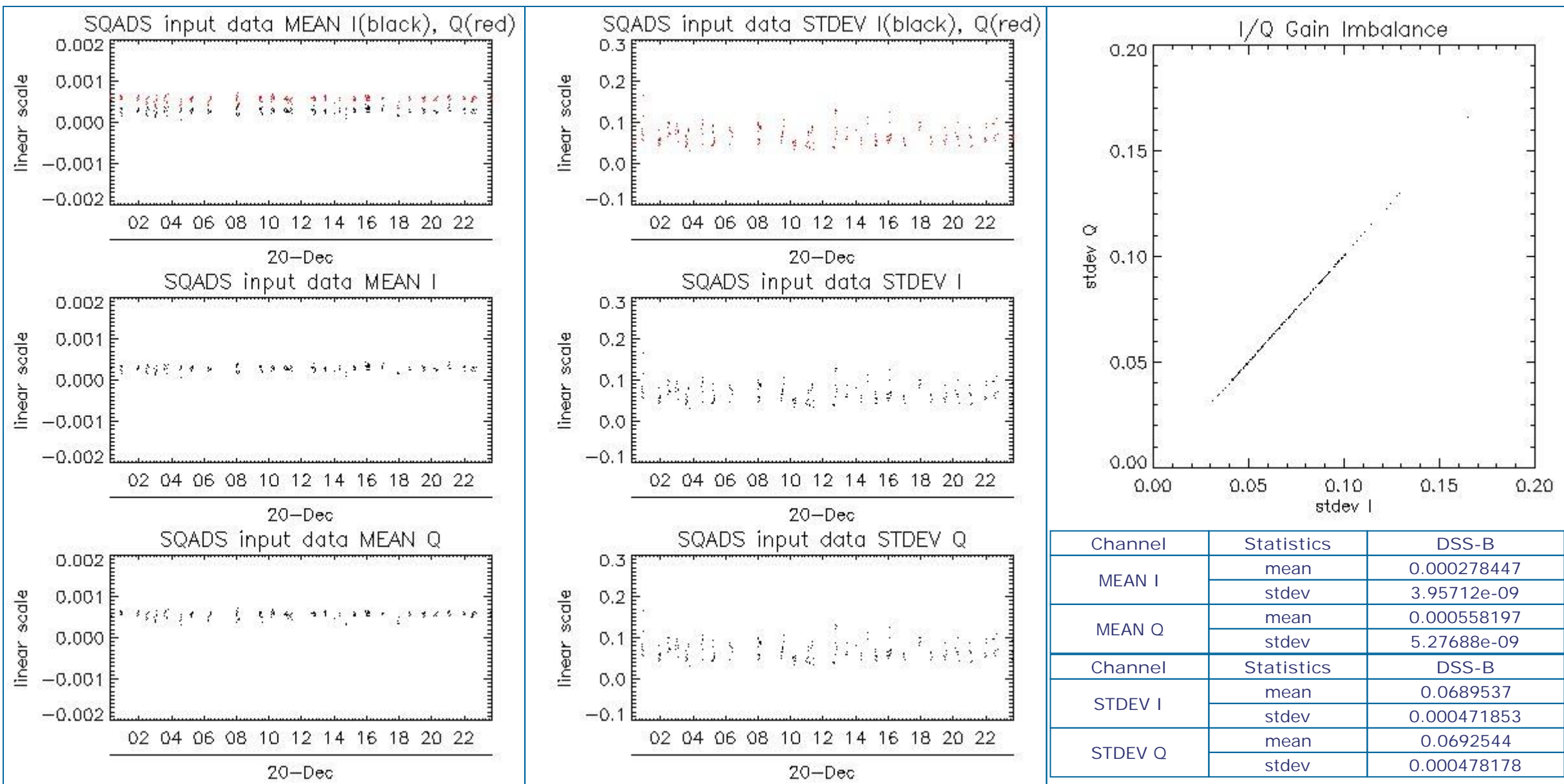


Channel	Statistics	DSS-B
MEAN I	mean	0.000618465
	stdev	1.34021e-07
MEAN Q	mean	0.000500051
	stdev	2.15233e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.147913
	stdev	0.00151817
STDEV Q	mean	0.148460
	stdev	0.00154804

## 7.2 - Analysis for IMM

[ [BACK TO MENU](#) ]



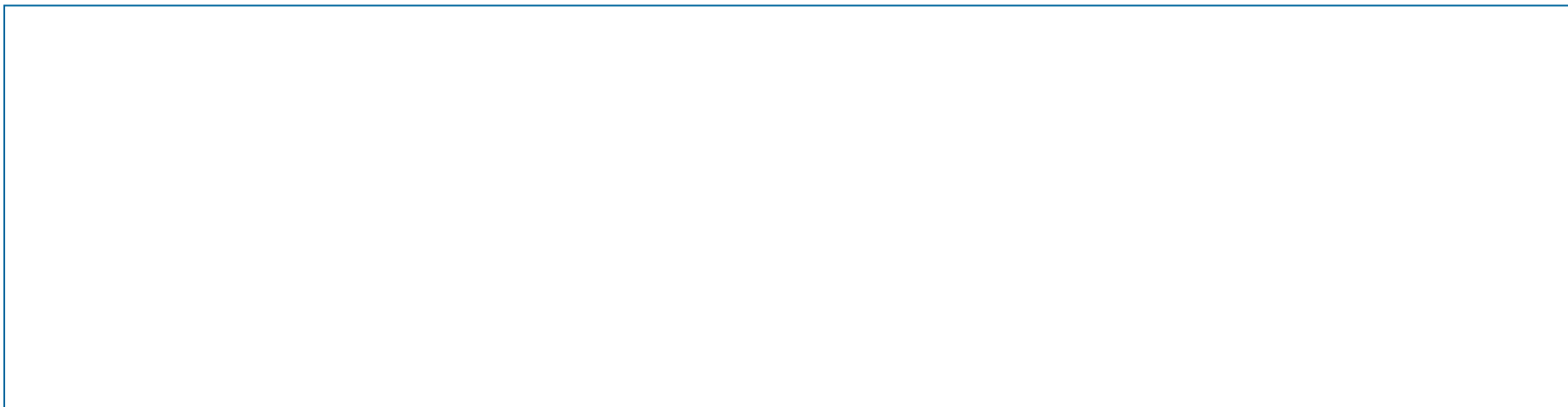


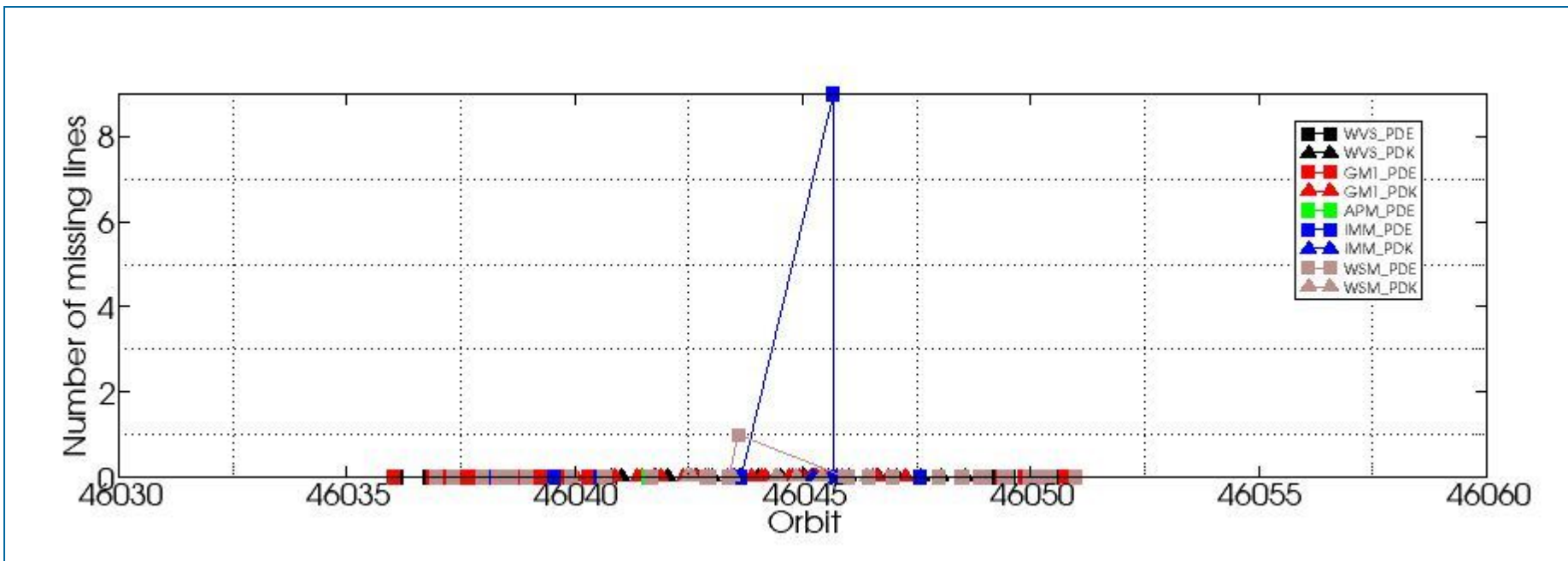
## 8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_IMM_1PNPDE20101220_144523_00000383097_00341_46045_6101.N1	0	9
PDE	ASA_WSM_1PNPDE20101220_111651_00002513097_00339_46043_6081.N1	0	1

### 8.1 - Number of Missing lines

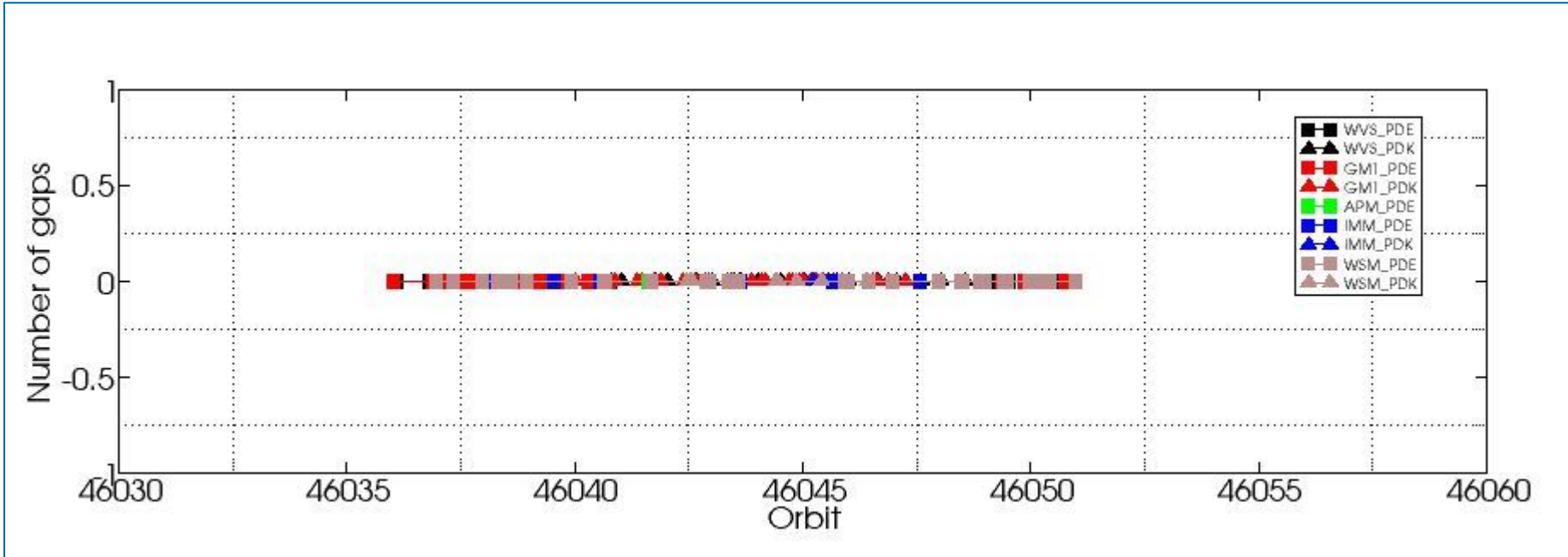
[ [BACK TO MENU](#) ]





## 8.2 - Number of Gaps

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



#####  
ASAR DAILY REPORT for 101220  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2010-12-20 00:00:00

Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101220/

DATA SUMMARY  
#####  
Summary will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101220/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_101220/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101220/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101220/AUXILIARY

Creating directory ./RESULTS/DAILY/\_101220/AUXILIARY...

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



ADF filter 20101220\*current\_3\_IECF\_ADFs.txt  
 Found list 20101220\_030003\_current\_3\_IECF\_ADFs.txt...  
 Extracting ADFs...

ASA\_CON\_AXVIEC20100608\_125449\_20100317\_120410\_20101231\_000000  
 ASA\_INS\_AXVIEC20101028\_095209\_20101022\_000000\_20101231\_235959  
 ASA\_XCH\_AXVIEC20091217\_113006\_20020301\_000000\_20101231\_000000  
 ASA\_XCA\_AXVIEC20101111\_113830\_20100601\_000000\_20141231\_000000

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
 Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_WVS.xls...  
 Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5917.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5919.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_002421_000015443097_00332_46036_5934.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_011422_000004863097_00333_46037_5948.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_012922_000000743097_00333_46037_5947.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_013612_000003753097_00333_46037_5945.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_020000_000001943097_00333_46037_5937.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_020230_000001353097_00333_46037_5970.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_021919_000004043097_00334_46038_5963.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_030718_000004953097_00334_46038_5962.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_031503_000003303097_00334_46038_5983.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_034628_000007343097_00334_46038_5981.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_040227_000000893097_00335_46039_5978.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_044442_000008093097_00335_46039_5991.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_045757_000003003097_00335_46039_6000.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_051947_000014993097_00335_46039_6016.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_062521_000002543097_00336_46040_6014.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_063419_000002553097_00336_46040_6013.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_211245_000019643097_00345_46049_6126.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_220221_000002393097_00345_46049_6123.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_220521_000008543097_00345_46049_6135.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_223421_000001053097_00346_46050_6133.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_225216_000013943097_00346_46050_6139.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_232035_000003003097_00346_46050_6141.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_234221_000003303097_00346_46050_6142.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6161.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6166.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6173.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_063819_000003003097_00336_46040_7822.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_070002_000019793097_00336_46040_7825.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_081646_000004053097_00337_46041_7837.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_084016_000020393097_00337_46041_7848.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_094615_000010493097_00338_46042_7953.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_102021_000018743097_00338_46042_7954.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_112102_000000443097_00339_46043_7938.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_112412_000011843097_00339_46043_7940.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_120044_000017483097_00339_46043_7950.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_125042_000009293097_00340_46044_7988.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_134058_000003753097_00340_46044_8001.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_143610_000004793097_00341_46045_8030.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_145153_000007503097_00341_46045_8032.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_152112_000008993097_00341_46045_8035.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_162030_000000443097_00342_46046_8053.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_162414_000012293097_00342_46046_8055.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_170117_000013043097_00342_46046_8058.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_175940_000015143097_00343_46047_8091.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_184537_000008093097_00343_46047_8095.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20101220_193453_000018143097_00344_46048_8121.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK



ASA\_WVS\_1PNPDK20101220\_202154\_000004503097\_00344\_46048\_8124.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

\*\*\*\*\*

Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_GM1.xls...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_GM1.txt...

ASA\_GM1\_1PNPDE20101220\_000304\_000006283097\_00332\_46036\_5916.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_001719\_000001023097\_00332\_46036\_5918.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_001719\_000001023097\_00332\_46036\_5920.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_005826\_000009553097\_00333\_46037\_5950.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_012319\_000003623097\_00333\_46037\_5949.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_013118\_000002893097\_00333\_46037\_5946.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_014317\_000005493097\_00333\_46037\_5938.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_020808\_000006713097\_00333\_46037\_5971.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_023026\_00000903097\_00334\_46038\_5969.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_023441\_000001203097\_00334\_46038\_5968.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_023823\_000010213097\_00334\_46038\_5967.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_025726\_00000843097\_00334\_46038\_5966.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_030537\_00000963097\_00334\_46038\_5965.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_032350\_000004533097\_00334\_46038\_5984.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_034040\_000001993097\_00334\_46038\_5982.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_035918\_000001873097\_00335\_46039\_5980.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_040438\_000016563097\_00335\_46039\_5979.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_043741\_000004163097\_00335\_46039\_5995.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_050343\_000003863097\_00335\_46039\_6001.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_054525\_000011903097\_00336\_46040\_6005.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_054525\_000011903097\_00336\_46040\_6009.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_060849\_000003803097\_00336\_46040\_6004.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_060849\_000003803097\_00336\_46040\_6008.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_061753\_000001503097\_00336\_46040\_6003.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_061753\_000001503097\_00336\_46040\_6007.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_062115\_000000723097\_00336\_46040\_6017.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_063021\_000002353097\_00336\_46040\_6015.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_205723\_000001443097\_00345\_46049\_6115.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_210424\_000001633097\_00345\_46049\_6114.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_210849\_000002353097\_00345\_46049\_6118.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_214606\_000007013097\_00345\_46049\_6125.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_222024\_000004473097\_00346\_46050\_6136.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_224027\_000000723097\_00346\_46050\_6134.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_224324\_000005313097\_00346\_46050\_6138.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_231616\_000001383097\_00346\_46050\_6137.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_231846\_000001023097\_00346\_46050\_6140.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDE20101220\_232620\_000006283097\_00346\_46050\_6145.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_064402\_000003443097\_00336\_46040\_7823.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_065844\_000000723097\_00336\_46040\_7824.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_073345\_000006893097\_00337\_46041\_7827.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_074404\_000007193097\_00337\_46041\_7835.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_081036\_000003683097\_00337\_46041\_7836.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_082530\_000008823097\_00337\_46041\_7847.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_091505\_000005253097\_00338\_46042\_7849.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_094142\_000002713097\_00338\_46042\_7901.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_100545\_00000843097\_00338\_46042\_7886.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_101019\_000001573097\_00338\_46042\_7906.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_105220\_000002653097\_00339\_46043\_7889.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_110015\_000001503097\_00339\_46043\_7891.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_114442\_000009613097\_00339\_46043\_7941.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_124035\_000001933097\_00340\_46044\_7949.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_130701\_000006163097\_00340\_46044\_7986.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_131721\_000004653097\_00340\_46044\_7987.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_133049\_000006043097\_00340\_46044\_7989.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_134755\_000003683097\_00340\_46044\_7993.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_134755\_000003683097\_00340\_46044\_7998.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_135502\_000002653097\_00340\_46044\_7994.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_GM1\_1PNPDK20101220\_135502\_000002653097\_00340\_46044\_7999.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

```
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_7995.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_8000.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7992.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7997.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_140925_000005493097_00341_46045_7990.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_142129_000001143097_00341_46045_7996.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_142218_000008283097_00341_46045_8029.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_144723_000002653097_00341_46045_8031.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_150508_000003983097_00341_46045_8033.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_151928_000000963097_00341_46045_8034.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_153701_000011663097_00341_46045_8036.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_161126_000005433097_00342_46046_8052.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_162203_000001263097_00342_46046_8054.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_164524_000006833097_00342_46046_8056.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101220_172347_000007433097_00343_46047_8057.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

\*\*\*\*\*

Analysing APM products...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_APM.txt...

```
ASA_APM_1PNPDE20101220_075810_000003763097_00337_46041_6038.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

\*\*\*\*\*

Analysing IMM products...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_IMM.xls...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_IMM.txt...

```
ASA_IMM_1PNPDE20101220_025522_000001123097_00334_46038_5953.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_034359_000001423097_00334_46038_5988.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_043210_000003213097_00335_46039_5976.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_061507_000001583097_00336_46040_5997.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_062026_00000373097_00336_46040_5998.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_112228_000000973097_00339_46043_6082.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_144523_00000383097_00341_46045_6101.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_144637_00000373097_00341_46045_6102.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20101220_175441_000002933097_00343_46047_6109.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20101220_110940_000001123097_00339_46043_7961.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20101220_135923_00000513097_00341_46045_8007.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

\*\*\*\*\*

Analysing WSM products...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/\_101220/AUXILIARY/Check\_ADFs\_WSM.txt...

```
ASA_WSM_1PNPDE20101220_001341_000002143097_00332_46036_5905.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5935.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5936.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_015227_000004533097_00333_46037_5939.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_022650_000002083097_00334_46038_5955.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_023203_000001533097_00334_46038_5964.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_025900_000003923097_00334_46038_5954.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_033129_000004533097_00334_46038_5977.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_051013_000005753097_00335_46039_6002.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_062235_000001653097_00336_46040_5999.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_080534_000002943097_00337_46041_6039.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_100716_000001843097_00338_46042_6062.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_101303_000004103097_00338_46042_6083.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_105652_000001903097_00339_46043_6084.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

ASA_WSM_1PNPDE20101220_111651_000002513097_00339_46043_6081.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_151151_000002393097_00341_46045_6103.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_151651_000001473097_00341_46045_6104.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_160452_00000323097_00342_46046_6106.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_165652_000002143097_00342_46046_6105.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_183652_000002143097_00343_46047_6107.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_192652_000001903097_00344_46048_6111.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_193123_000002143097_00344_46048_6112.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_200910_000001283097_00344_46048_6113.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_201652_000002143097_00344_46048_6110.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_210044_000002203097_00345_46049_6116.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_210712_000000923097_00345_46049_6124.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_215751_000002693097_00345_46049_6117.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_222751_000003923097_00346_46050_6130.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_224151_000000923097_00346_46050_6131.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20101220_233651_000003303097_00346_46050_6132.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_092351_000002943097_00338_46042_8013.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_092951_000001903097_00338_46042_8023.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_093315_000000983097_00338_46042_8015.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_110252_000002083097_00339_46043_7960.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_123751_000001593097_00340_46044_7943.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_124351_000004103097_00340_46044_7951.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_132510_000003303097_00340_46044_8005.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_141837_000001653097_00341_46045_7991.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_155629_000002943097_00342_46046_8046.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20101220_160152_000001533097_00342_46046_8040.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/\_101220/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_101220/MODULE\_STEPPING...

Creating directory ./RESULTS/DAILY/\_101220/MODULE\_STEPPING/FIRST\_REFERENCE...

Creating directory ./RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE...

Creating directory ./RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Deleting old files...

\*\*\*\*\*

\*\*\*\*\*

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H

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

Test product: ASA\_MS\_\_0PNPDK20101220\_082412\_000000163097\_00337\_46041\_0362.N1

H

H

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20101220\_082412-20010209\_135042.png

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20101220\_082412-20010209\_135042.png

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20101220\_082412-20010209\_135042.png

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20101220\_082412-20010209\_135042.png

Polarization: V

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

Test product: ASA\_MS\_\_0PNPDK20101220\_100426\_000000163097\_00338\_46042\_0363.N1

V

V

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20101220\_100426-20010209\_140823.png

../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20101220\_100426-20010209\_140823.png



../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20101220\_100426-20010209\_140823.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20101220\_100426-20010209\_140823.png

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

Exporting results to the directory ../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20101219\_090056\_000000163097\_00323\_46027\_0360.N1  
Test product: ASA\_MS\_\_0PNPDK20101220\_082412\_000000163097\_00337\_46041\_0362.N1  
H  
H  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20101220\_082412-20101219\_090056.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20101220\_082412-20101219\_090056.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20101220\_082412-20101219\_090056.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20101220\_082412-20101219\_090056.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20101219\_104110\_000000163097\_00324\_46028\_0361.N1  
Test product: ASA\_MS\_\_0PNPDK20101220\_100426\_000000163097\_00338\_46042\_0363.N1  
V  
V  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20101220\_100426-20101219\_104110.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20101220\_100426-20101219\_104110.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20101220\_100426-20101219\_104110.png  
../../RESULTS/DAILY/\_101220/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20101220\_100426-20101219\_104110.png

MODULE\_STEPPING ANALYSIS completed  
#####

CALIBRATION PULSES ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES...

\*\*\*\*\*  
\*\*\*\*\*  
ALL ROWS Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59

Analysing products WVS IS2 V/V  
Writing image ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...  
Analysing products GM1 SS3 H/H  
Writing image ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
TEMPORAL EVOLUTION Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59

Analysing products WVS IS2 V/V  
Getting calibration pulses data for WVS IS2 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 1/5/9/13/17/21/25/29  
Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-12-20\_1.dat...  
Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...  
Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 2/6/10/14/18/22/26/30  
Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-12-20\_2.dat...  
Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...  
Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 3/7/11/15/19/23/27/31



Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-12-20\_3.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 4/8/12/16/20/24/28/32  
 Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-12-20\_4.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...  
 Writing ../../RESULTS/DAILY/\_101220//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 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 1/5/9/13/17/21/25/29  
 Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-12-20\_1.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 2/6/10/14/18/22/26/30  
 Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-12-20\_2.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 3/7/11/15/19/23/27/31  
 Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-12-20\_3.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-12-20 00:00:00 to 2010-12-20 23:59:59. Rows: 4/8/12/16/20/24/28/32  
 Writing file ./RESULTS/DAILY/\_101220/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-12-20\_4.dat...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
 Writing ../../RESULTS/DAILY/\_101220//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
 #####

DOPPLER ANALYSIS  
 #####  
 Creating directory ./RESULTS/DAILY/\_101220/DOPPLER...

\*\*\*\*\*  
 \*\*\*\*\*  
 DOPPLER ANX Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59

Analysing products WVS IS2 V/V  
 Getting doppler data for WVS IS2 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
 Writing file ./RESULTS/DAILY/\_101220/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2010-12-20.dat...  
 Running IDL program...  
 Writing file ../../RESULTS/DAILY/\_101220/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H  
 Getting doppler data for GM1 SS1 H/H from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...  
 Writing file ./RESULTS/DAILY/\_101220/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2010-12-20.dat...  
 Running IDL program...  
 Writing file ../../RESULTS/DAILY/\_101220/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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

DOPPLER JUMPS Analysis will be performed on WSM products from 2010-12-20 00:00:00 to 2010-12-20 23:59:59

Analysing by default products WSM

Getting doppler jumps data for WSM from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...

Writing file ./RESULTS/DAILY/\_101220/DOPPLER/Doppler\_Jumps\_data\_WSM\_2010-12-20.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/\_101220/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...

Writing file ../../RESULTS/DAILY/\_101220/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 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 = -77.132240 Hz

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -63.930983 Hz

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_asc.jpg...

Writing file ../../RESULTS/DAILY/\_101220//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 = -54.473176 Hz

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*

Loading predicted doppler values....

Phase: ascending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -50.016308 Hz

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...

Writing file ../../RESULTS/DAILY/\_101220//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed

#####

CHIRP ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_101220/CHIRP...

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

CHIRP Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59



Analysing products WSM SS1 H/H

```
*****
Getting ScaleFactor data for WSM SS1 H/H from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...
Writing file ./RESULTS/DAILY/_101220/CHIRP/ScaleFactor_data_WSM_SS1_HH_2010-12-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_101220/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_101220/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

Analysing products WSM SS1 V/V

```
*****
Getting ScaleFactor data for WSM SS1 V/V from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...
Writing file ./RESULTS/DAILY/_101220/CHIRP/ScaleFactor_data_WSM_SS1_VV_2010-12-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_101220/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_101220/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

```
#####
Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_101220/RAW_DATA
```

Creating directory ./RESULTS/DAILY/\_101220/RAW\_DATA...

```
*****
Getting raw data for WVS from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...
Writing file ./RESULTS/DAILY/_101220/RAW_DATA/Raw_data_WVS_2010-12-20.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_WVS_gain_imbalance.png...
```

```
*****
Getting raw data for IMM from 2010-12-20 00:00:00 to 2010-12-20 23:59:59...
Writing file ./RESULTS/DAILY/_101220/RAW_DATA/Raw_data_IMM_2010-12-20.dat...
Running IDL program to create graphs...
```

```
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_101220/RAW_DATA/Raw_data_IMM_gain_imbalance.png...
```

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

```
#####
Analysis will be performed from 2010-12-20 00:00:00 to 2010-12-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_101220/TELEMETRY
```

Creating directory ./RESULTS/DAILY/\_101220/TELEMETRY...

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

\*\*\*\*\*

Checking 29 products from PDE...

Checking 21 products from PDK...

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

\*\*\*\*\*

Checking 37 products from PDE...

Checking 36 products from PDK...

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

\*\*\*\*\*

Checking 1 products from PDE...

No products from PDK...

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

\*\*\*\*\*

Checking 9 products from PDE...

Found product...ASA\_IMM\_1PNPDE20101220\_144523\_00000383097\_00341\_46045\_6101.N1 / 0 gaps / 9 missing lines

Checking 2 products from PDK...

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

\*\*\*\*\*

Checking 30 products from PDE...

Found product...ASA\_WSM\_1PNPDE20101220\_111651\_000002513097\_00339\_46043\_6081.N1 / 0 gaps / 1 missing lines

Checking 10 products from PDK...

Creating graph of missing lines and gaps...

\*\*\*\*\*

Creating image: ./RESULTS/DAILY/\_101220/TELEMETRY/TELEMETRY\_Missing\_lines.png...

Creating image: ./RESULTS/DAILY/\_101220/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed

#####

HTML REPORT generation

#####

Building file ./RESULTS/DAILY/\_101220/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_1PNPDE20101220_075810_000003763097_00337_46041_6038.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_1PNPDE20101220_000304_000006283097_00332_46036_5916.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_001719_000001023097_00332_46036_5918.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_001719_000001023097_00332_46036_5920.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_005826_000009553097_00333_46037_5950.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_012319_000003623097_00333_46037_5949.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_013118_000002893097_00333_46037_5946.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_014317_000005493097_00333_46037_5938.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_020808_000006713097_00333_46037_5971.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_023026_000000903097_00334_46038_5969.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_023441_000001203097_00334_46038_5968.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_023823_000010213097_00334_46038_5967.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_025726_000000843097_00334_46038_5966.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_030537_000000963097_00334_46038_5965.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_032350_000004533097_00334_46038_5984.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_034040_000001993097_00334_46038_5982.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_035918_000001873097_00335_46039_5980.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_040438_000016563097_00335_46039_5979.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_043741_000004163097_00335_46039_5995.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_050343_000003863097_00335_46039_6001.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_054525_000011903097_00336_46040_6005.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_054525_000011903097_00336_46040_6009.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_060849_000003803097_00336_46040_6004.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_060849_000003803097_00336_46040_6008.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_061753_000001503097_00336_46040_6003.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_061753_000001503097_00336_46040_6007.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_062115_000000723097_00336_46040_6017.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_063021_000002353097_00336_46040_6015.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_205723_000001443097_00345_46049_6115.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_210424_000001633097_00345_46049_6114.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_210849_000002353097_00345_46049_6118.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_214606_000007013097_00345_46049_6125.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_222024_000004473097_00346_46050_6136.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_224027_000000723097_00346_46050_6134.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_224324_000005313097_00346_46050_6138.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_231616_000001383097_00346_46050_6137.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_231846_000001023097_00346_46050_6140.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101220_232620_000006283097_00346_46050_6145.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_064402_000003443097_00336_46040_7823.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_065844_000000723097_00336_46040_7824.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_073345_000006893097_00337_46041_7827.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_074404_000007193097_00337_46041_7835.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_081036_000003683097_00337_46041_7836.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_082530_000008823097_00337_46041_7847.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_091505_000005253097_00338_46042_7849.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_094142_000002713097_00338_46042_7901.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_100545_000000843097_00338_46042_7886.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_101019_000001573097_00338_46042_7906.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_105220_000002653097_00339_46043_7889.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_110015_000001503097_00339_46043_7891.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_114442_000009613097_00339_46043_7941.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_124035_000001933097_00340_46044_7949.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_130701_000006163097_00340_46044_7986.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_131721_000004653097_00340_46044_7987.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_133049_000006043097_00340_46044_7989.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_134755_000003683097_00340_46044_7993.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_134755_000003683097_00340_46044_7998.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_135502_000002653097_00340_46044_7994.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_135502_000002653097_00340_46044_7999.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_7995.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_8000.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7992.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7997.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_140925_000005493097_00341_46045_7990.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_142129_000001143097_00341_46045_7996.N1					OK	OK	OK	OK



ASA_GM1_1PNPDK20101220_142218_000008283097_00341_46045_8029.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_144723_000002653097_00341_46045_8031.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_150508_000003983097_00341_46045_8033.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_151928_000000963097_00341_46045_8034.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_153701_000011663097_00341_46045_8036.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_161126_000005433097_00342_46046_8052.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_162203_000001263097_00342_46046_8054.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_164524_000006833097_00342_46046_8056.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101220_172347_000007433097_00343_46047_8057.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_1PNPDE20101220_025522_000001123097_00334_46038_5953.N1				
ASA_IMM_1PNPDE20101220_034359_000001423097_00334_46038_5988.N1				
ASA_IMM_1PNPDE20101220_043210_000003213097_00335_46039_5976.N1				
ASA_IMM_1PNPDE20101220_061507_000001583097_00336_46040_5997.N1				
ASA_IMM_1PNPDE20101220_062026_000000373097_00336_46040_5998.N1				
ASA_IMM_1PNPDE20101220_112228_000000973097_00339_46043_6082.N1				
ASA_IMM_1PNPDE20101220_144523_000000383097_00341_46045_6101.N1				
ASA_IMM_1PNPDE20101220_144637_000000373097_00341_46045_6102.N1				
ASA_IMM_1PNPDE20101220_175441_000002933097_00343_46047_6109.N1				
ASA_IMM_1PNPDK20101220_110940_000001123097_00339_46043_7961.N1				
ASA_IMM_1PNPDK20101220_135923_000000513097_00341_46045_8007.N1				

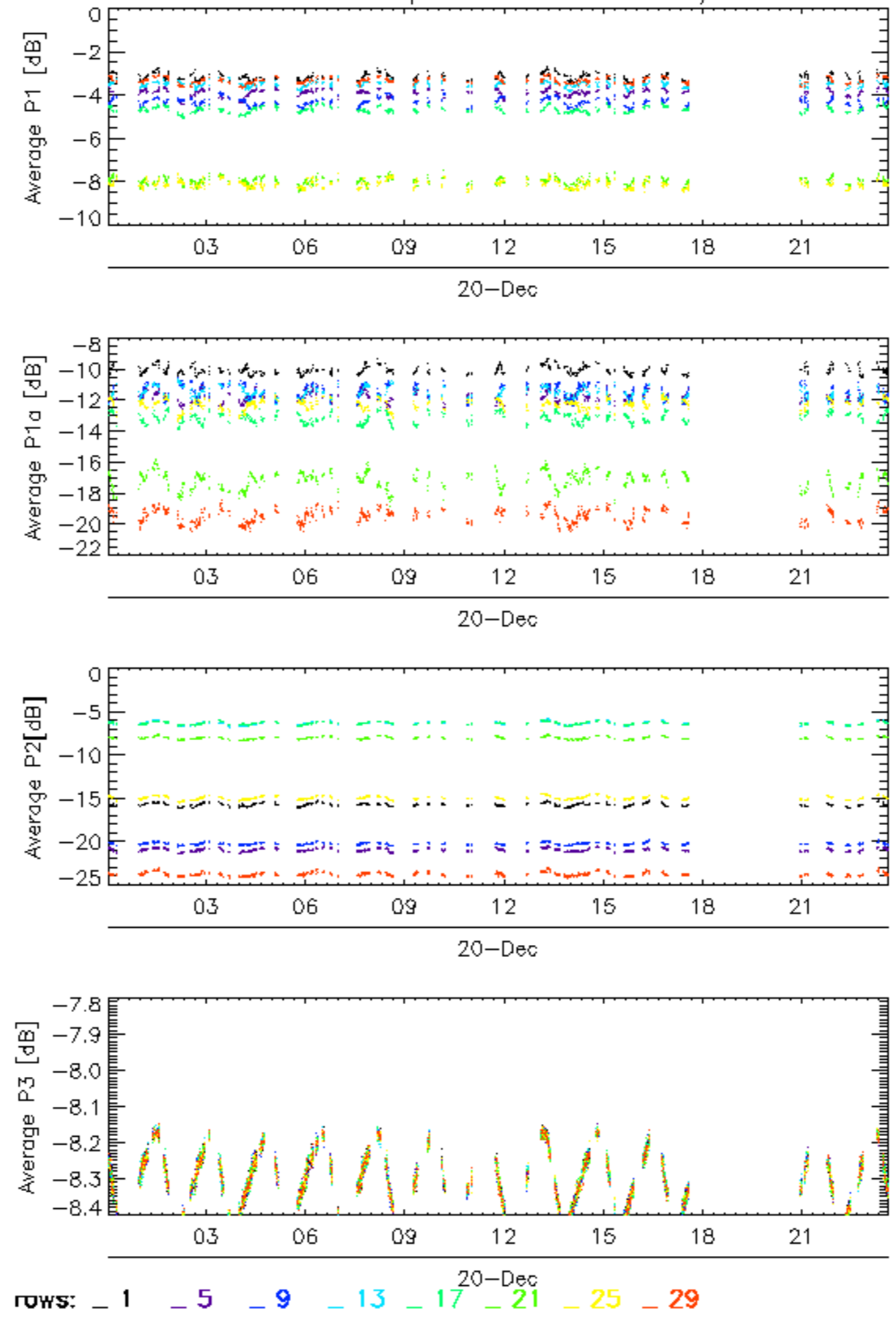
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20101220_001341_000002143097_00332_46036_5905.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5935.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5936.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_015227_000004533097_00333_46037_5939.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_022650_000002083097_00334_46038_5955.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_023203_000001533097_00334_46038_5964.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_025900_000003923097_00334_46038_5954.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_033129_000004533097_00334_46038_5977.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_051013_000005753097_00335_46039_6002.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_062235_000001653097_00336_46040_5999.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_080534_000002943097_00337_46041_6039.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_100716_000001843097_00338_46042_6062.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_101303_000004103097_00338_46042_6083.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_105652_000001903097_00339_46043_6084.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_111651_000002513097_00339_46043_6081.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_151151_000002393097_00341_46045_6103.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_151651_000001473097_00341_46045_6104.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_160452_000003923097_00342_46046_6106.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_165652_000002143097_00342_46046_6105.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_183652_000002143097_00343_46047_6107.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_192652_000001903097_00344_46048_6111.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_193123_000002143097_00344_46048_6112.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_200910_000001283097_00344_46048_6113.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_201652_000002143097_00344_46048_6110.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_210044_000002203097_00345_46049_6116.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_210712_000000923097_00345_46049_6124.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_215751_000002693097_00345_46049_6117.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_222751_000003923097_00346_46050_6130.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_224151_000000923097_00346_46050_6131.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20101220_233651_000003303097_00346_46050_6132.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_092351_000002943097_00338_46042_8013.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_092951_000001903097_00338_46042_8023.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_093315_000000983097_00338_46042_8015.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_110252_000002083097_00339_46043_7960.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_123751_000001593097_00340_46044_7943.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_124351_000004103097_00340_46044_7951.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_132510_000003303097_00340_46044_8005.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_141837_000001653097_00341_46045_7991.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_155629_000002943097_00342_46046_8046.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20101220_160152_000001533097_00342_46046_8040.N1					OK	OK	OK	OK

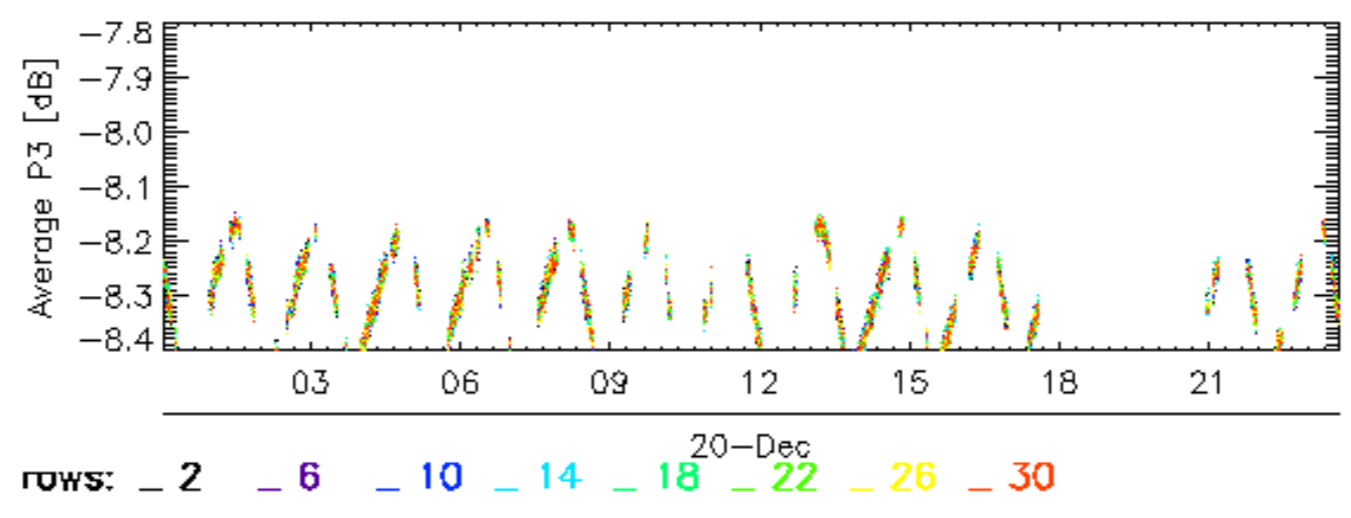
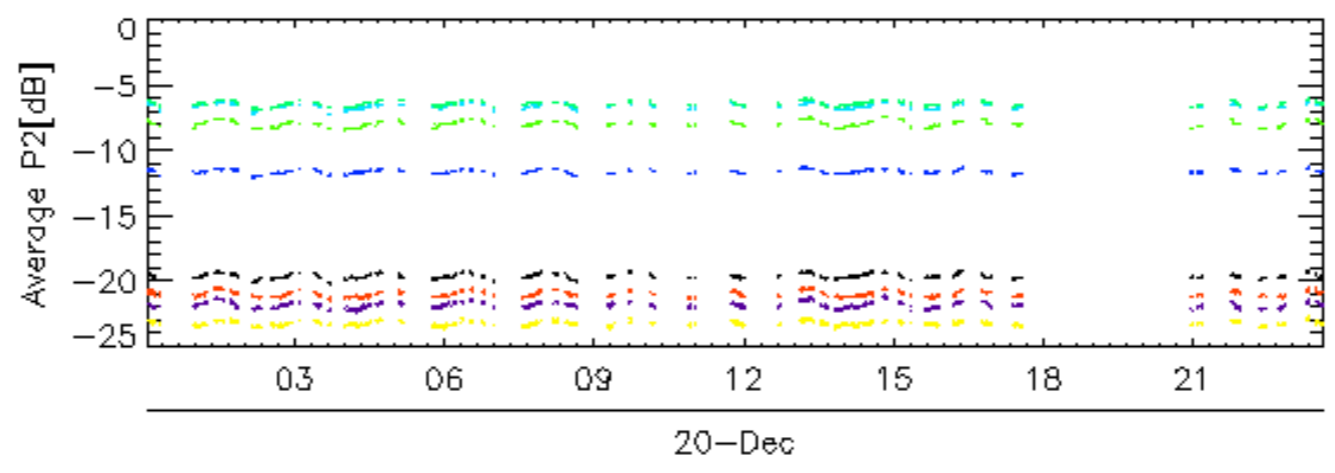
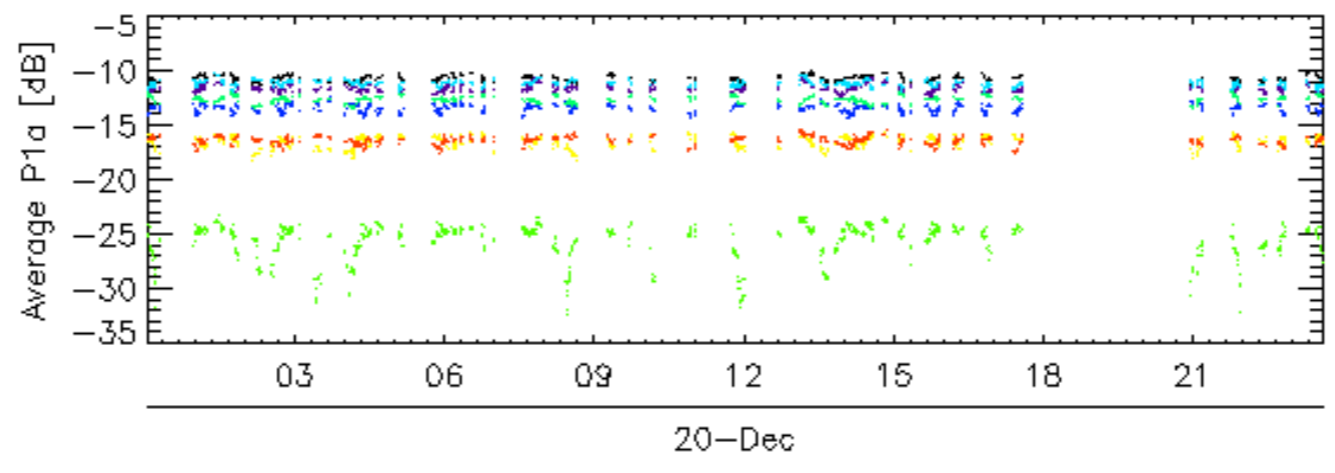
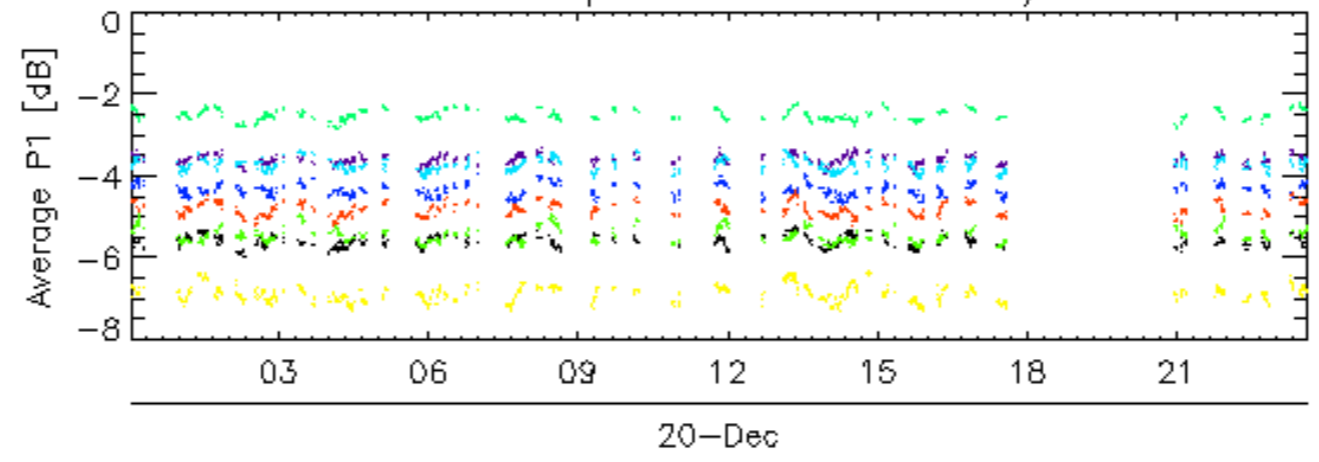
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5917.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5919.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_002421_000015443097_00332_46036_5934.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_011422_000004863097_00333_46037_5948.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_012922_000000743097_00333_46037_5947.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_013612_000003753097_00333_46037_5945.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_020000_000001943097_00333_46037_5937.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_020230_000001353097_00333_46037_5970.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_021919_000004043097_00334_46038_5963.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_030718_000004953097_00334_46038_5962.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_031503_000003303097_00334_46038_5983.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_034628_000007343097_00334_46038_5981.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_040227_000000893097_00335_46039_5978.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_044442_000008093097_00335_46039_5991.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_045757_000003003097_00335_46039_6000.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_051947_000014993097_00335_46039_6016.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_062521_000002543097_00336_46040_6014.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_063419_000002553097_00336_46040_6013.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_211245_000019643097_00345_46049_6126.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_220221_000002393097_00345_46049_6123.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_220521_000008543097_00345_46049_6135.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_223421_000001053097_00346_46050_6133.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_225216_000013943097_00346_46050_6139.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_232035_000003003097_00346_46050_6141.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_234221_000003303097_00346_46050_6142.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6161.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6166.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6173.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_063819_000003003097_00336_46040_7822.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_070002_000019793097_00336_46040_7825.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_081646_000004053097_00337_46041_7837.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_084016_000020393097_00337_46041_7848.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_094615_000010493097_00338_46042_7953.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_102021_000018743097_00338_46042_7954.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_112102_000000443097_00339_46043_7938.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_112412_000011843097_00339_46043_7940.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_120044_000017483097_00339_46043_7950.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_125042_000009293097_00340_46044_7988.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_134058_000003753097_00340_46044_8001.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_143610_000004793097_00341_46045_8030.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_145153_000007503097_00341_46045_8032.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_152112_000008993097_00341_46045_8035.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_162030_000000443097_00342_46046_8053.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_162414_000012293097_00342_46046_8055.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_170117_000013043097_00342_46046_8058.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_175940_000015143097_00343_46047_8091.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_184537_000008093097_00343_46047_8095.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_193453_000018143097_00344_46048_8121.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20101220_202154_000004503097_00344_46048_8124.N1					OK	OK	OK	OK

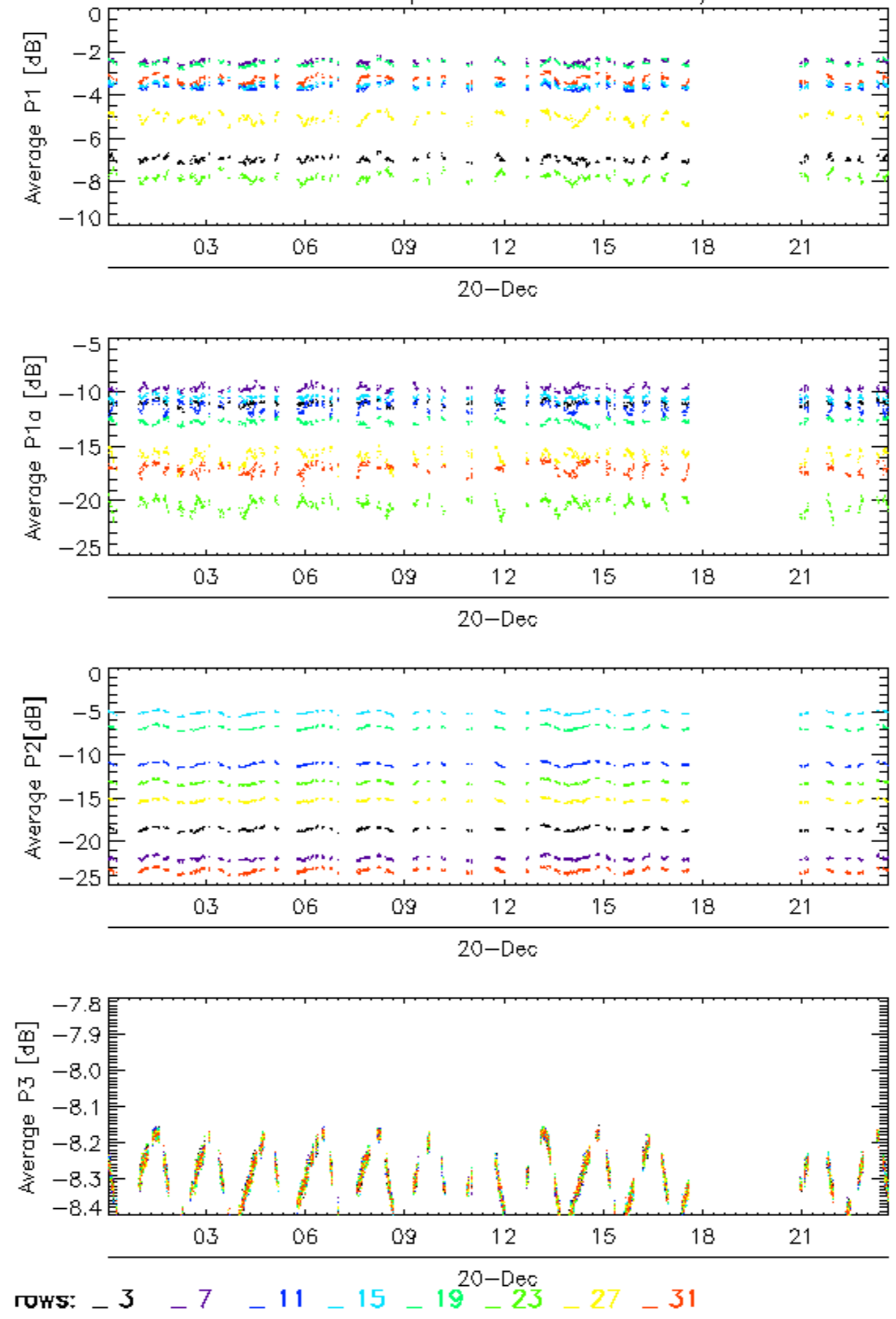
Calibration pulses for GM1 SS3 H/H



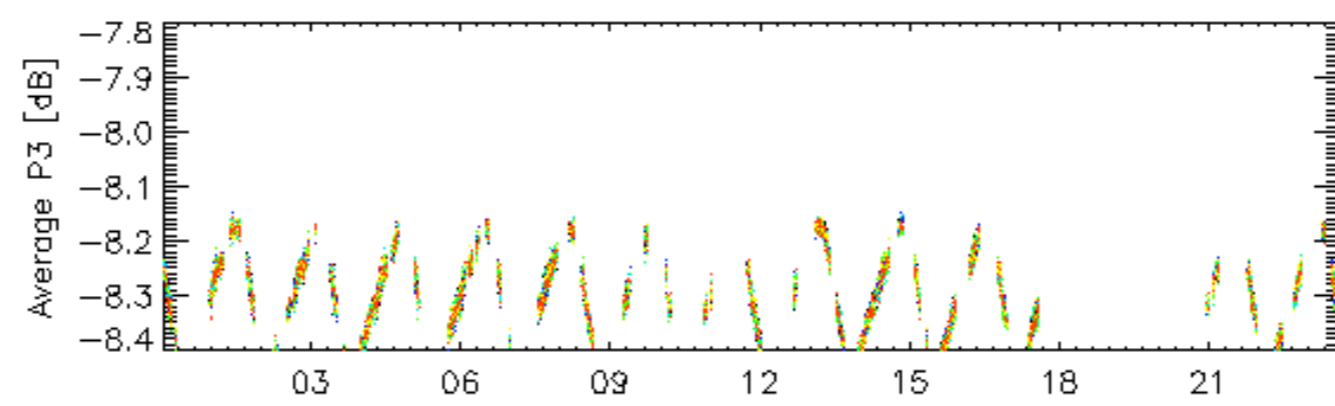
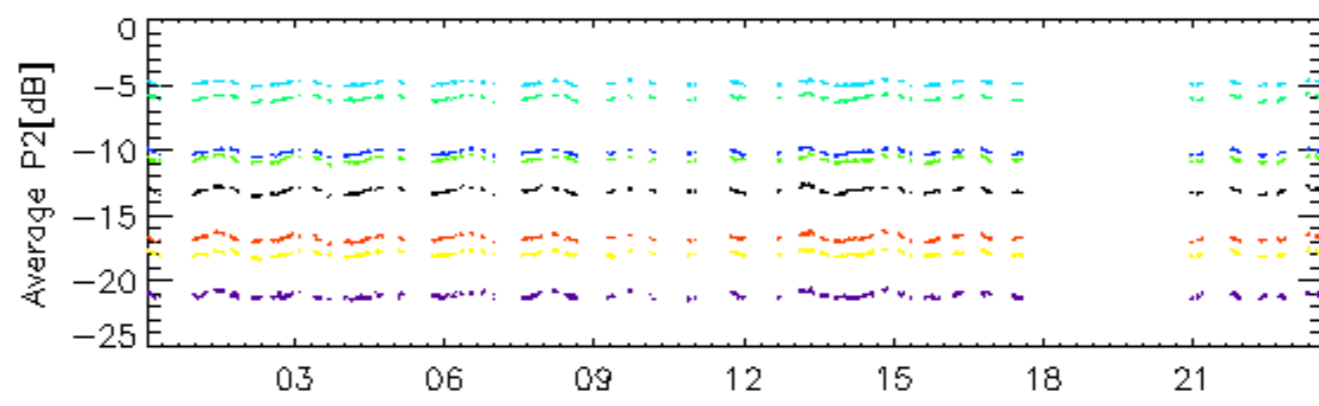
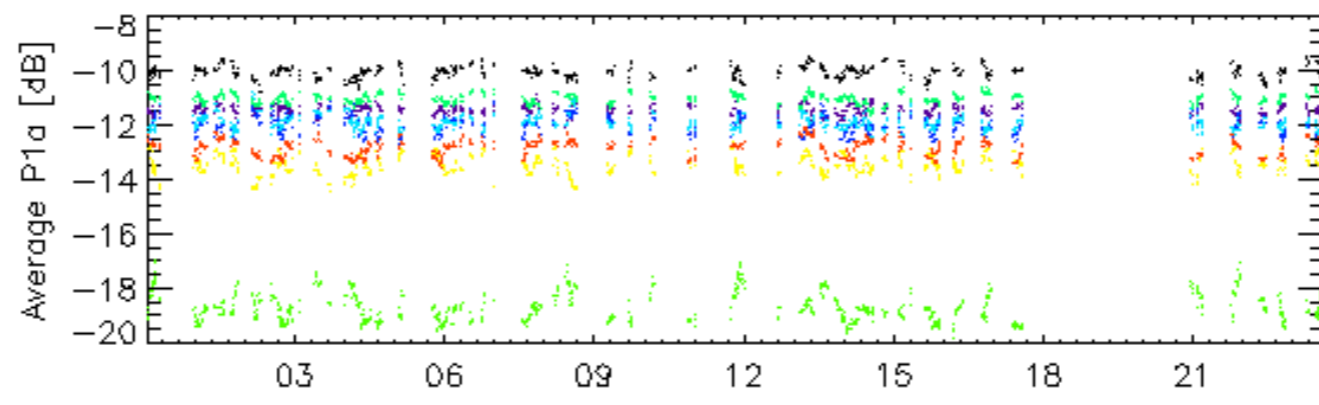
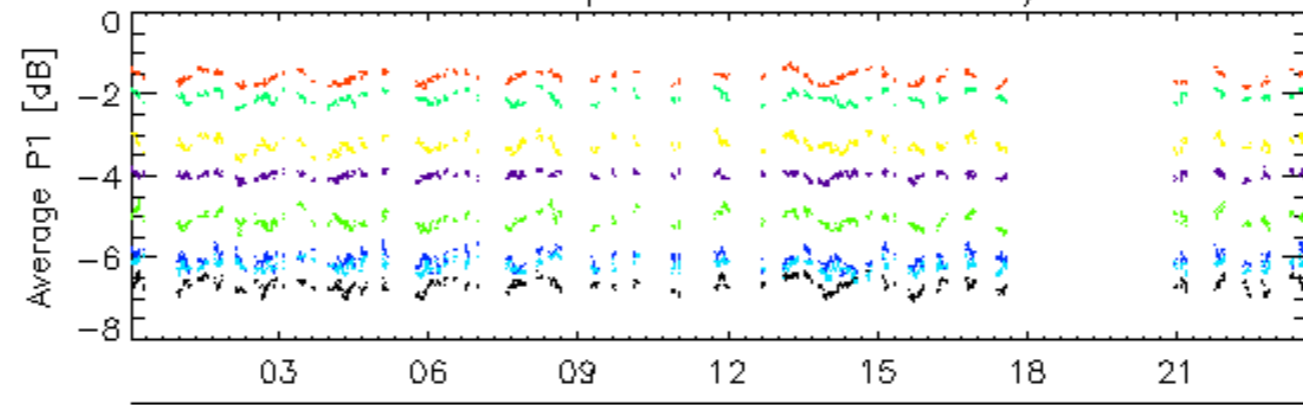
Calibration pulses for GM1 SS3 H/H



### Calibration pulses for GM1 SS3 H/H



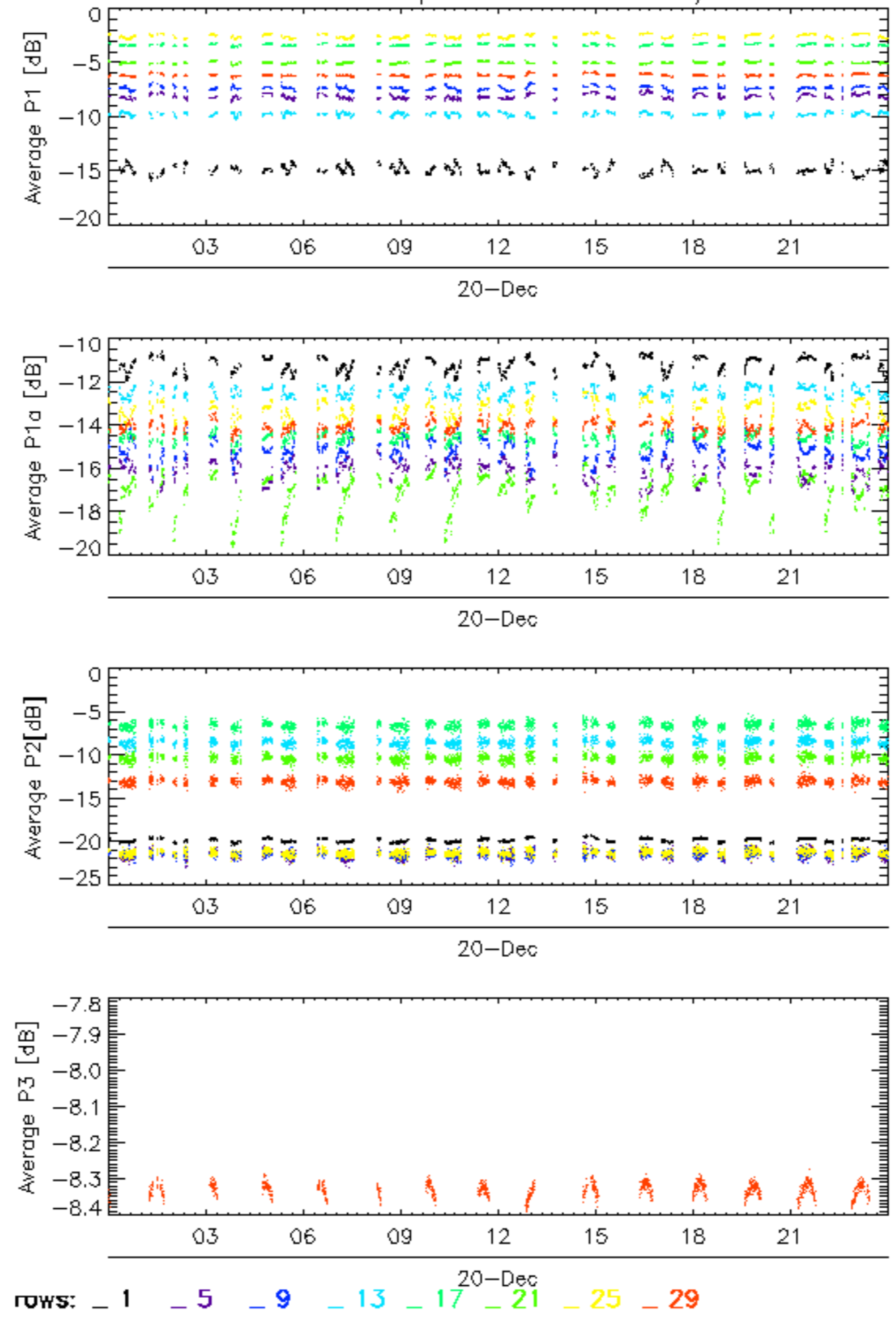
Calibration pulses for GM1 SS3 H/H



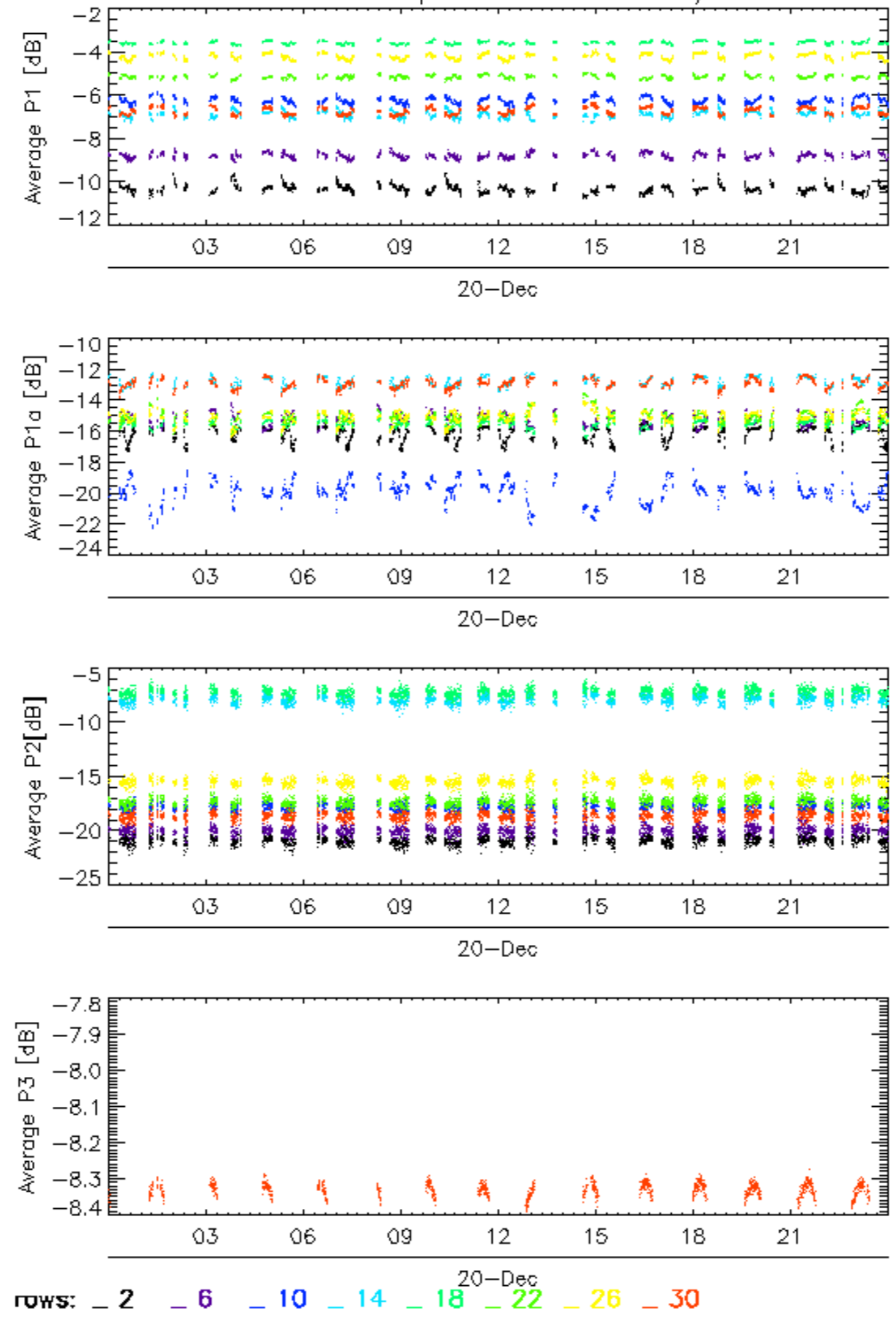
rows: \_ 4 \_ 8 \_ 12 \_ 16 \_ 20 \_ 24 \_ 28 \_ 32



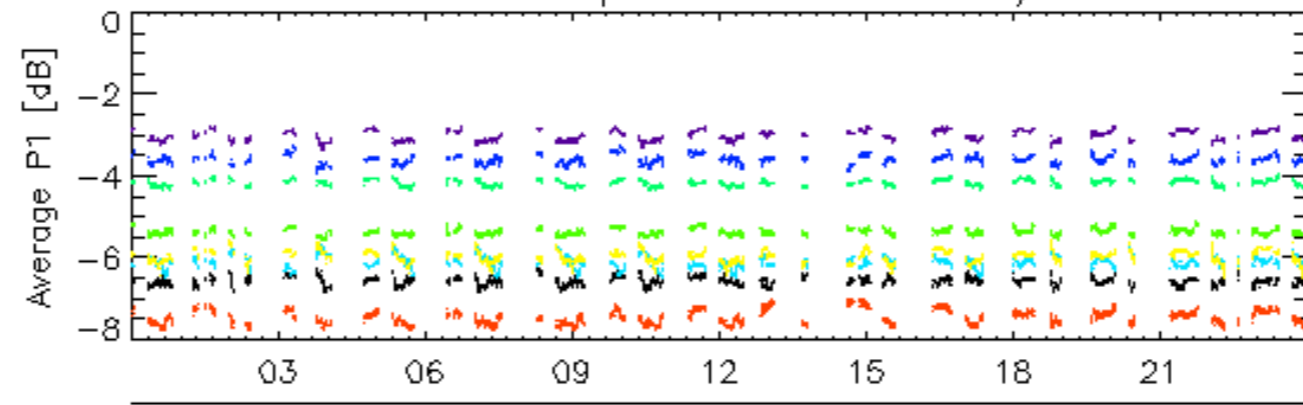
### Calibration pulses for WVS IS2 V/V



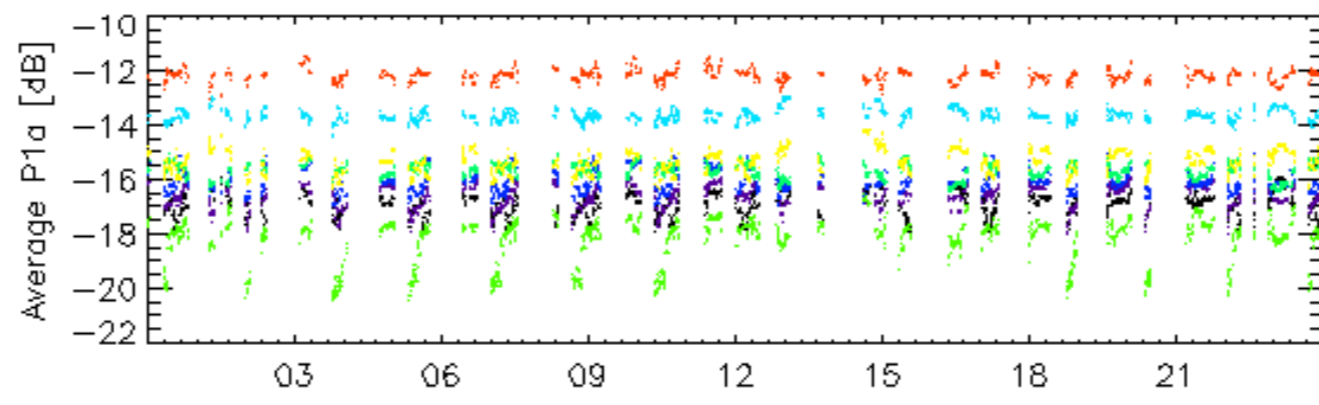
Calibration pulses for WVS IS2 V/V



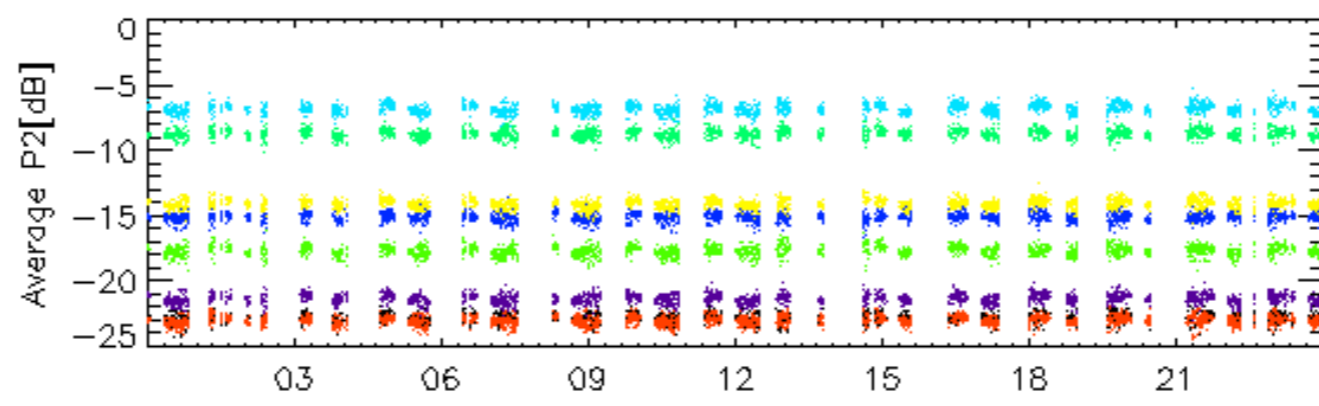
Calibration pulses for WVS IS2 V/V



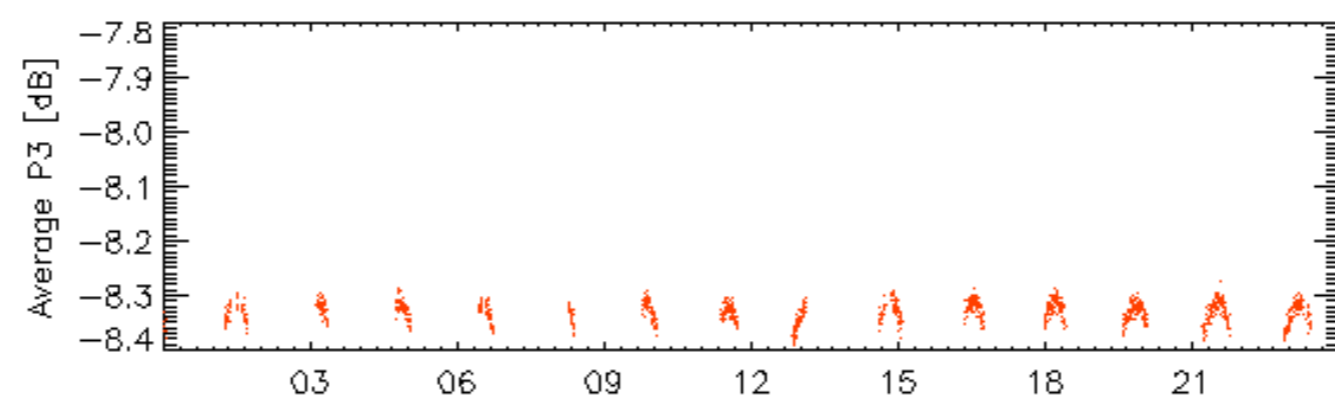
20-Dec



20-Dec



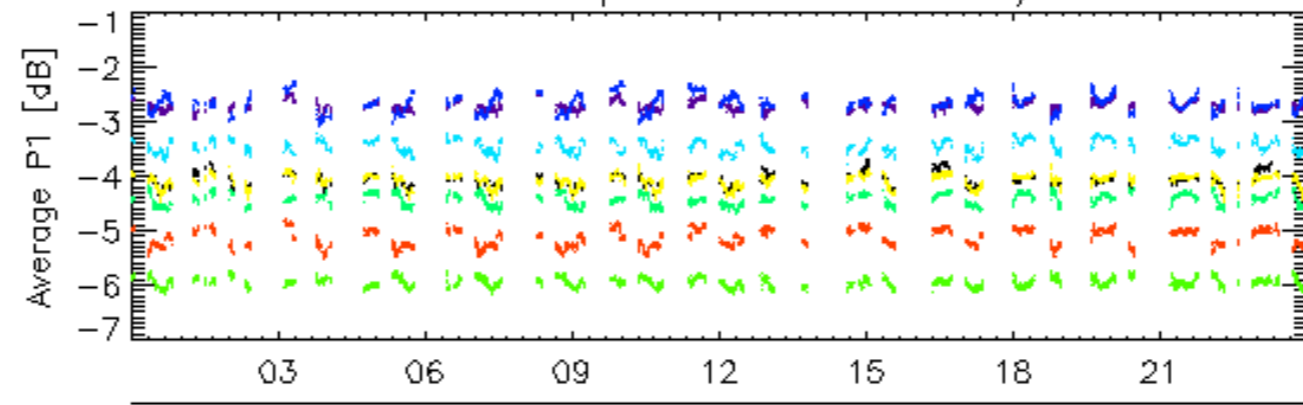
20-Dec



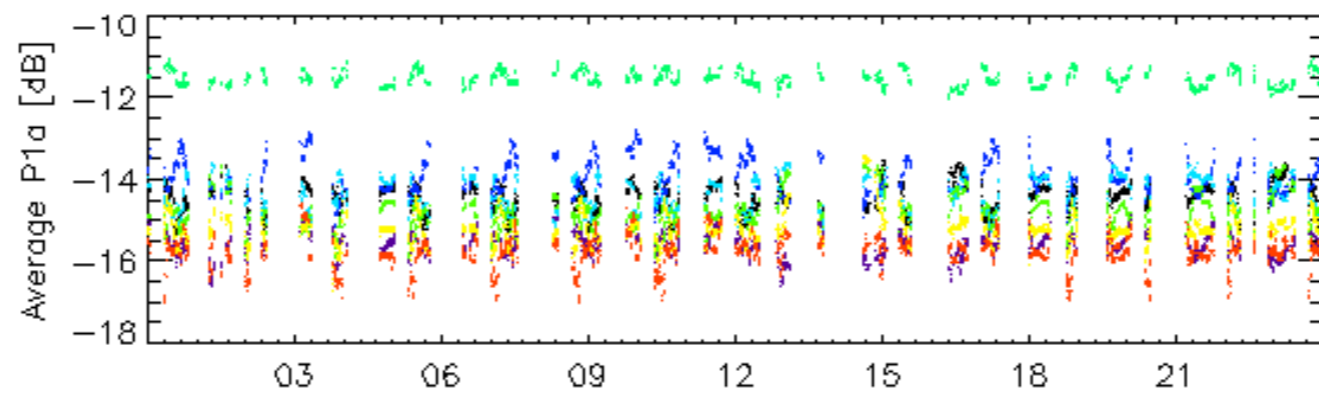
20-Dec

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

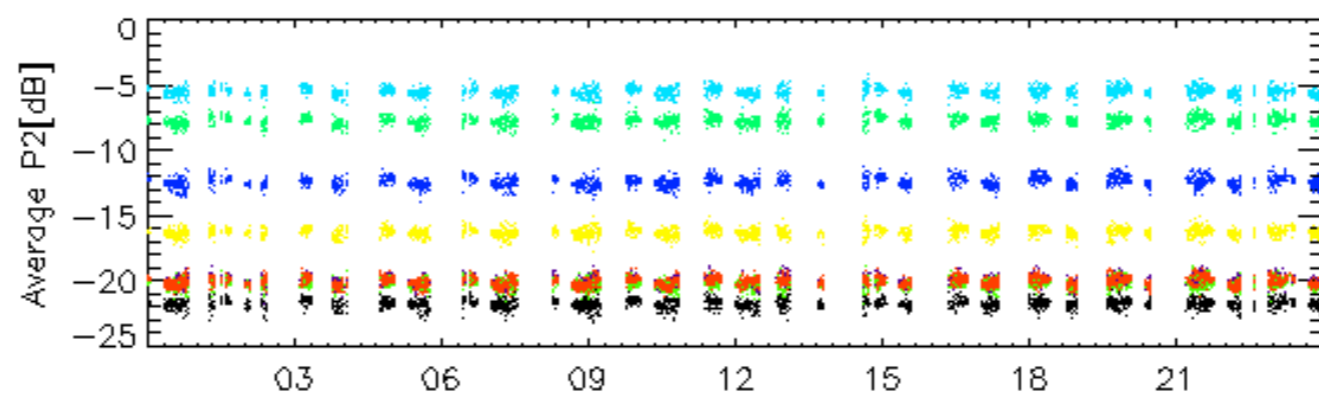
Calibration pulses for WVS IS2 V/V



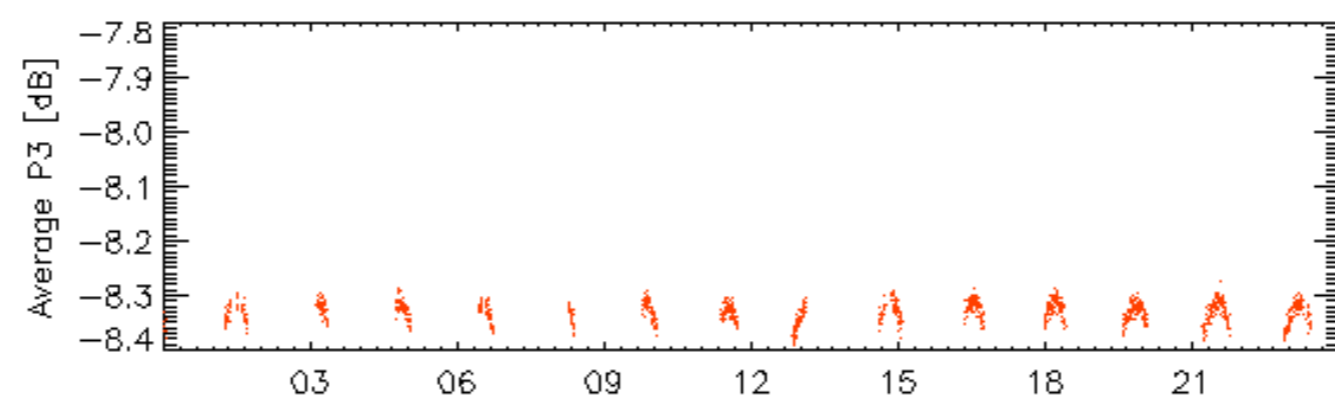
20-Dec



20-Dec

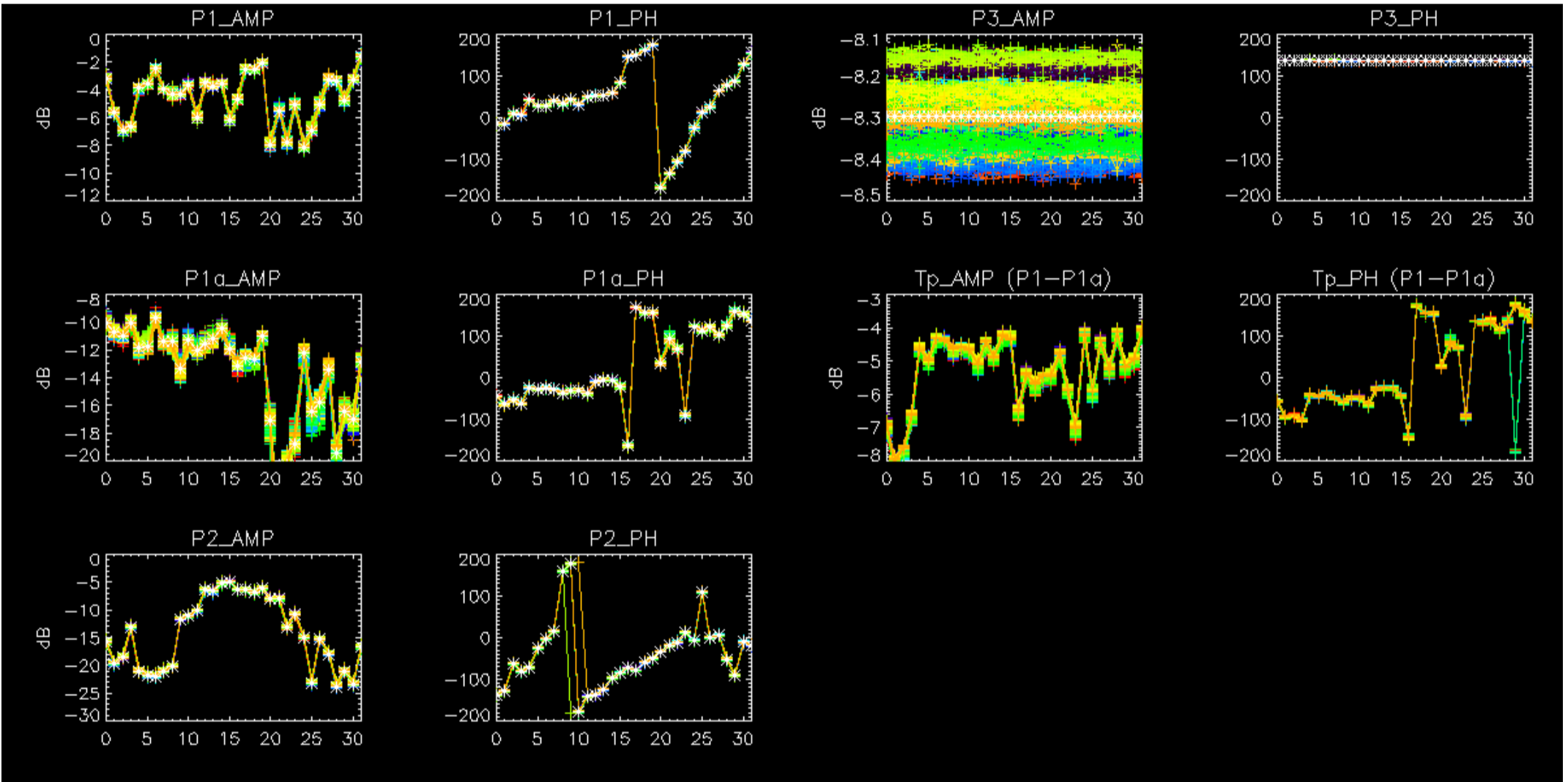


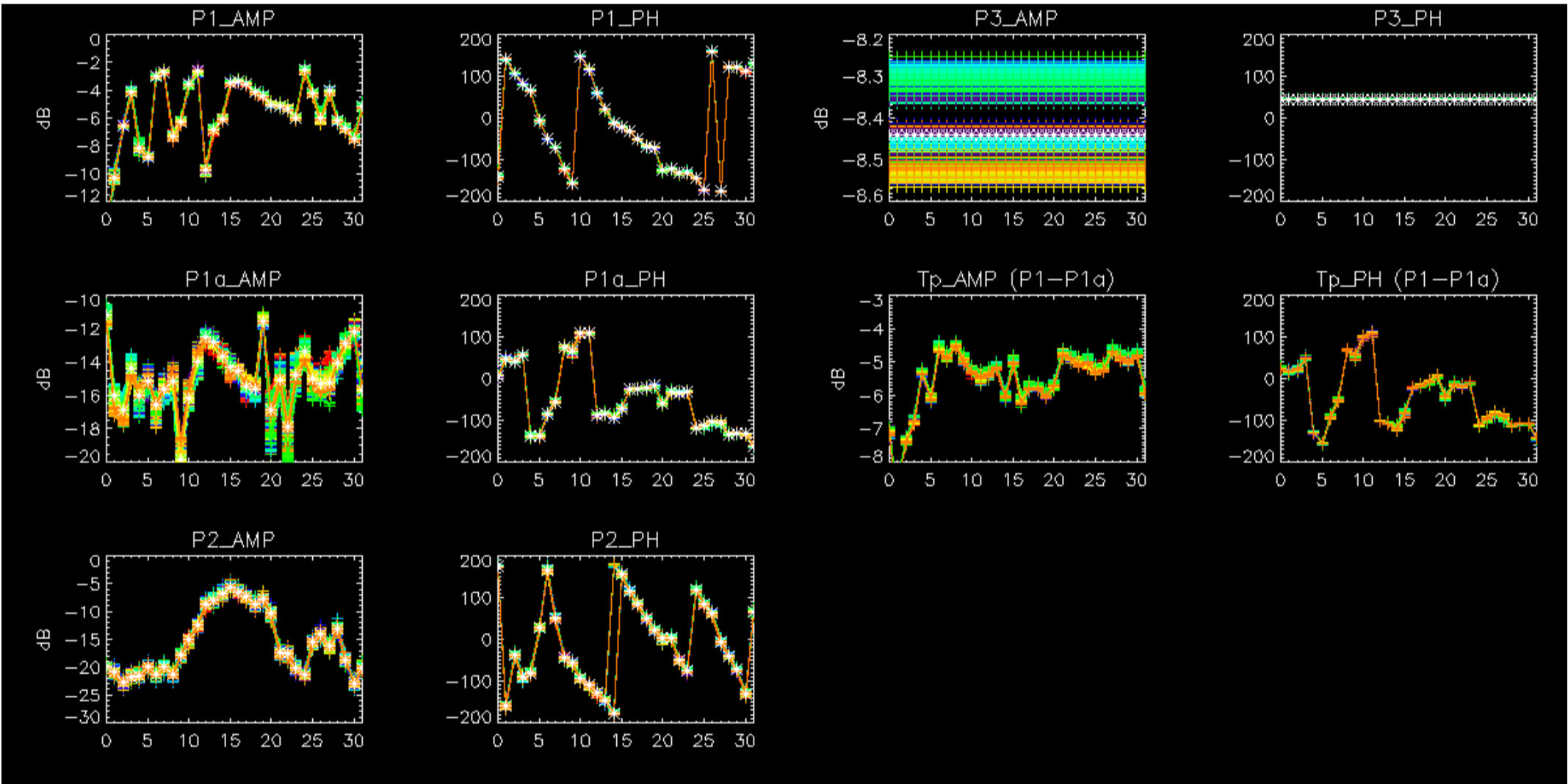
20-Dec

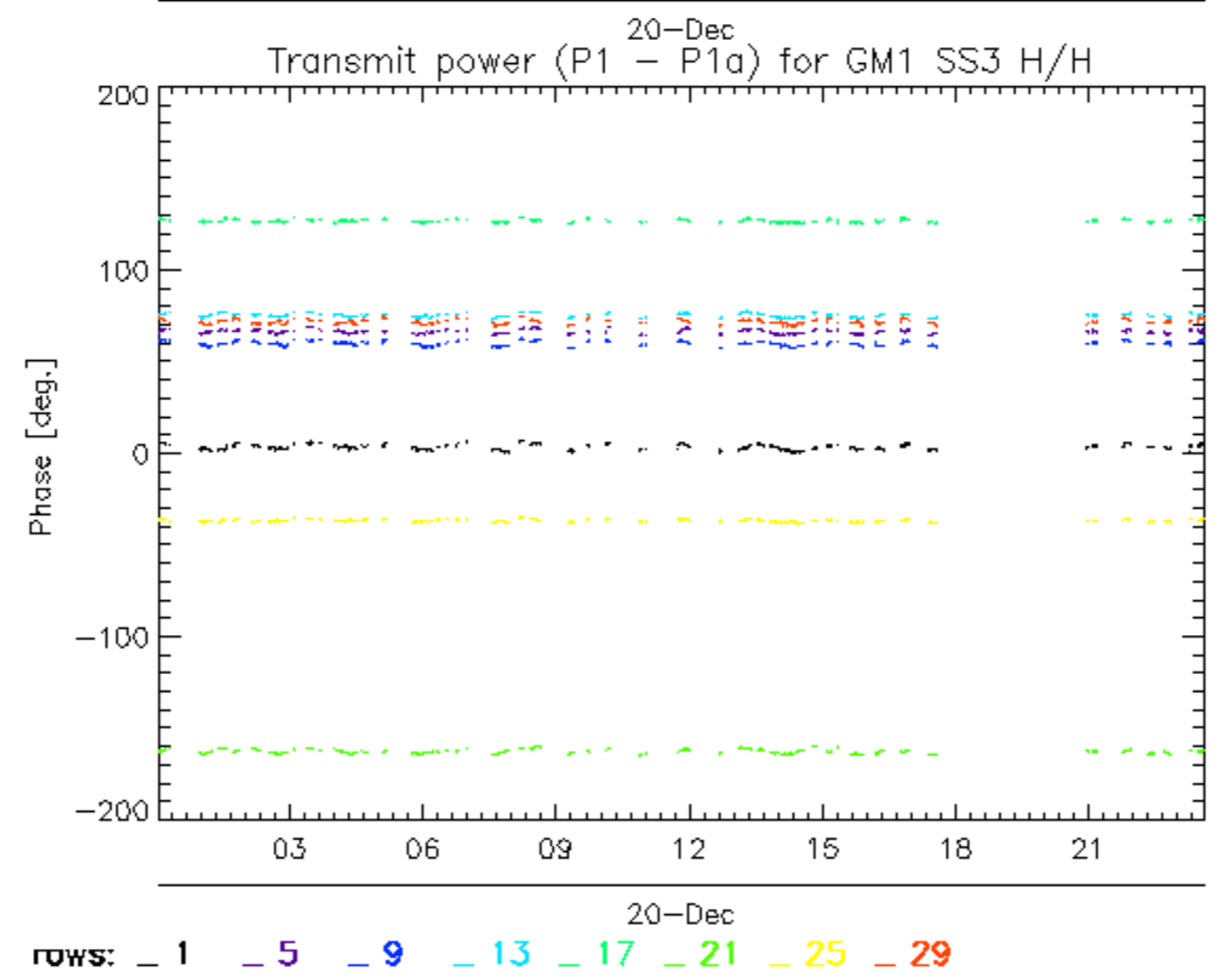
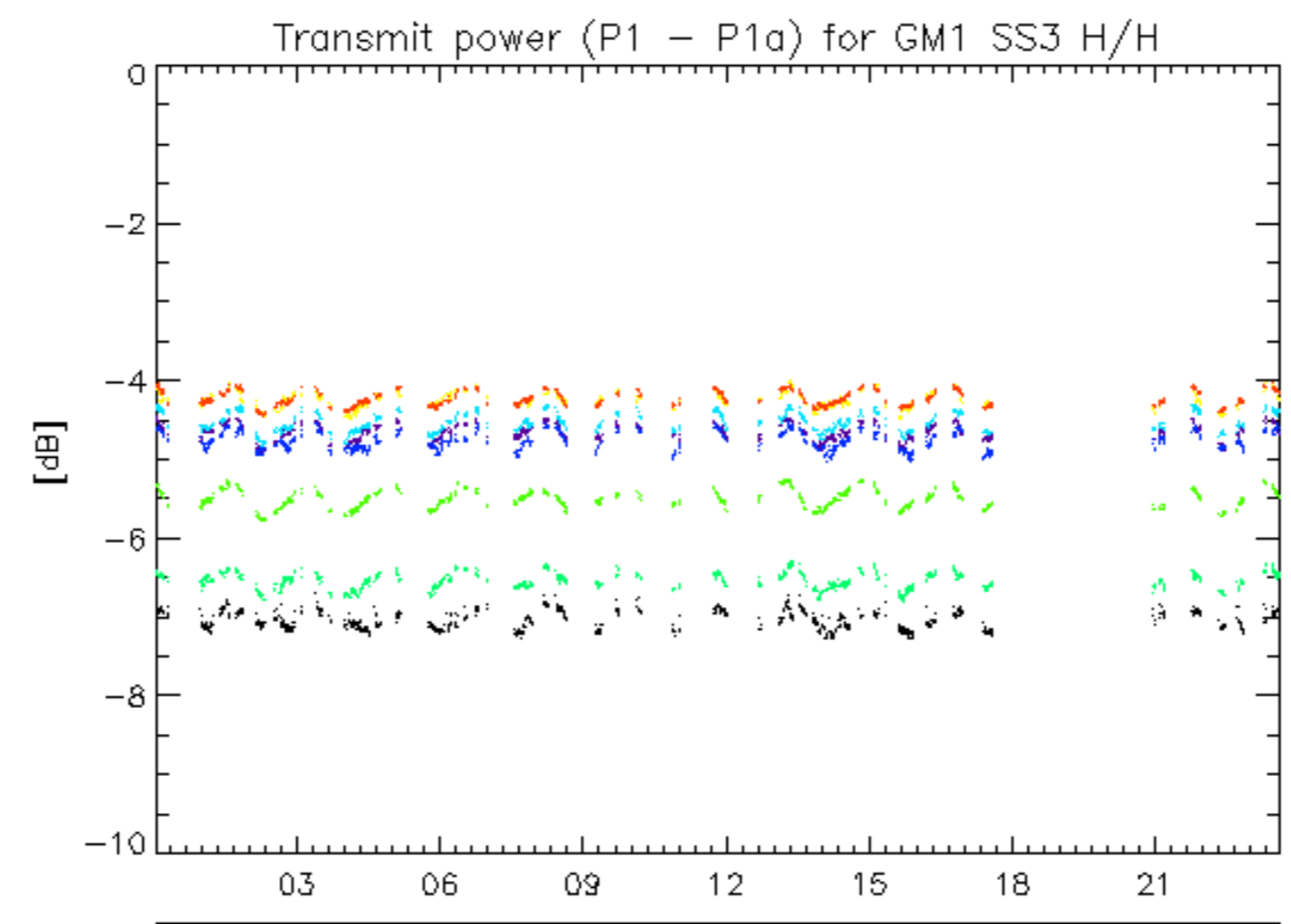


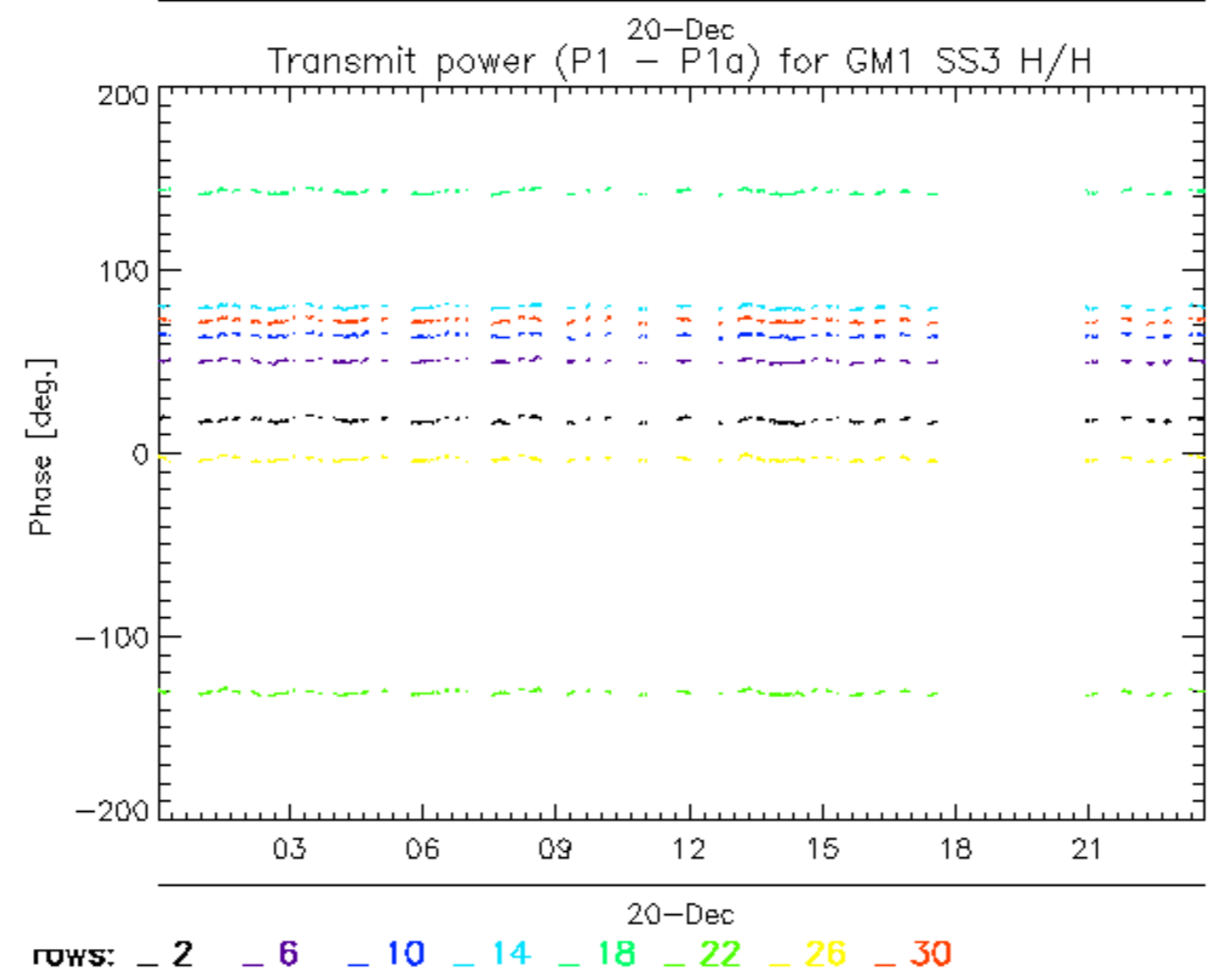
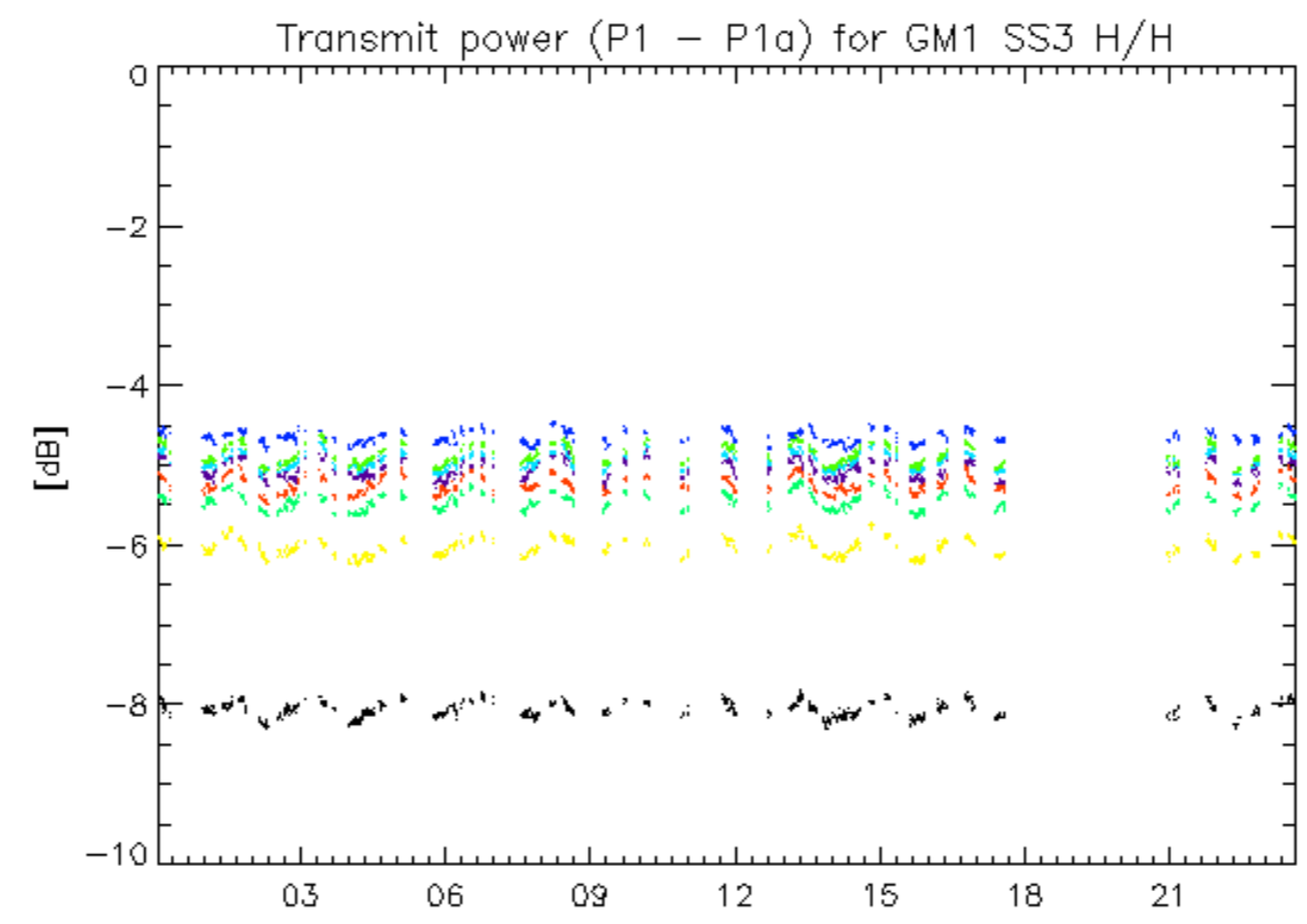
20-Dec

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

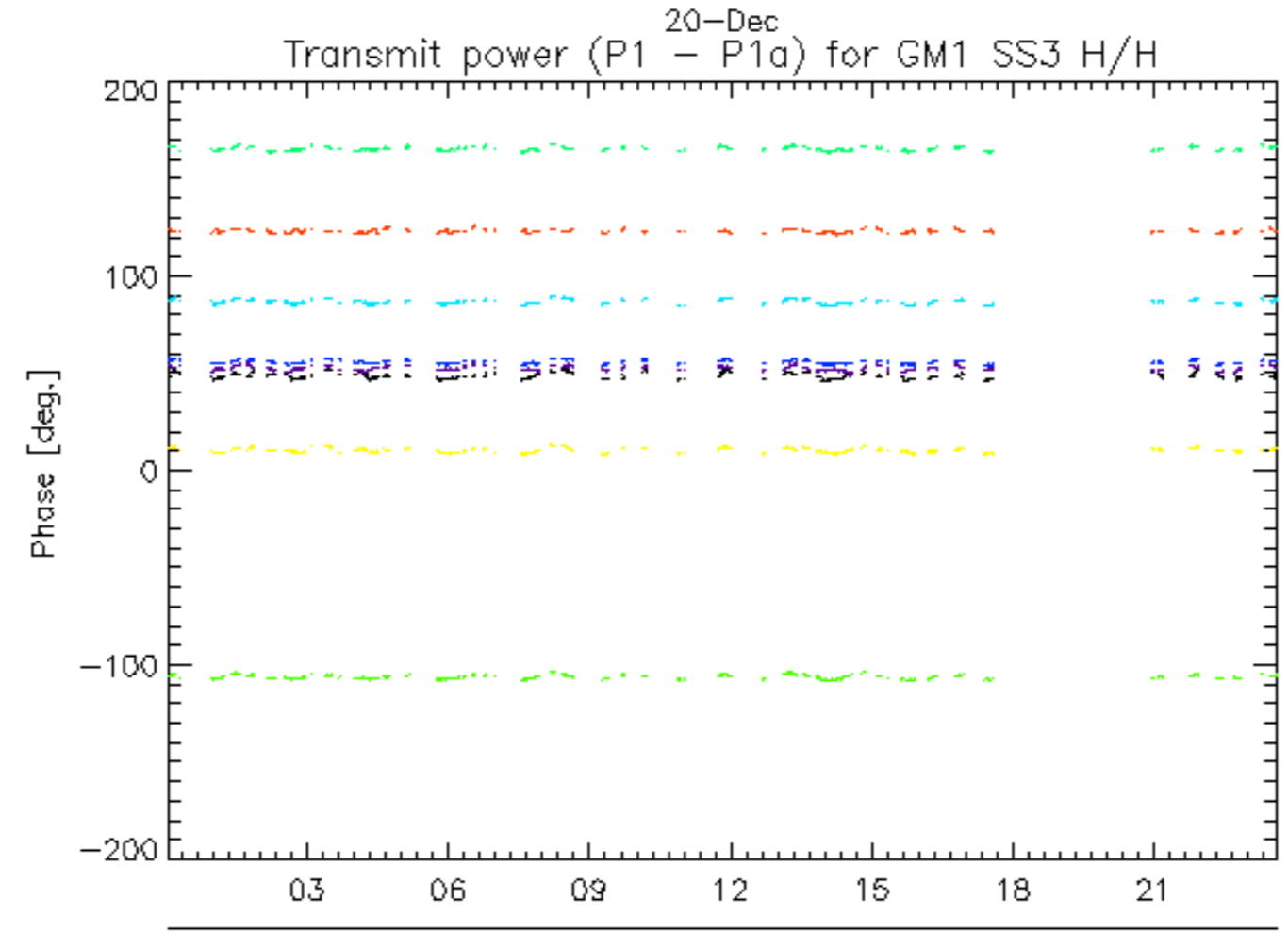
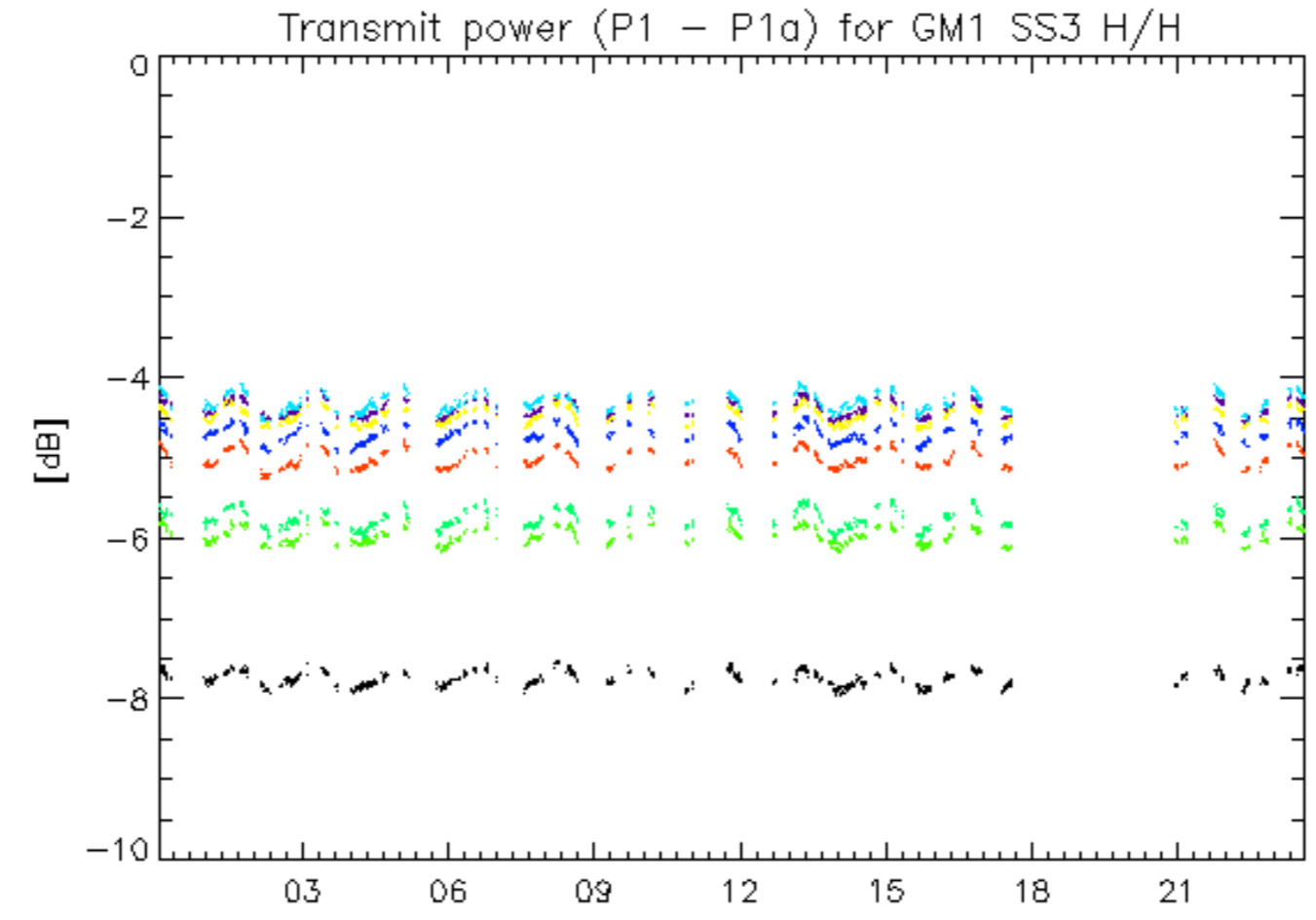




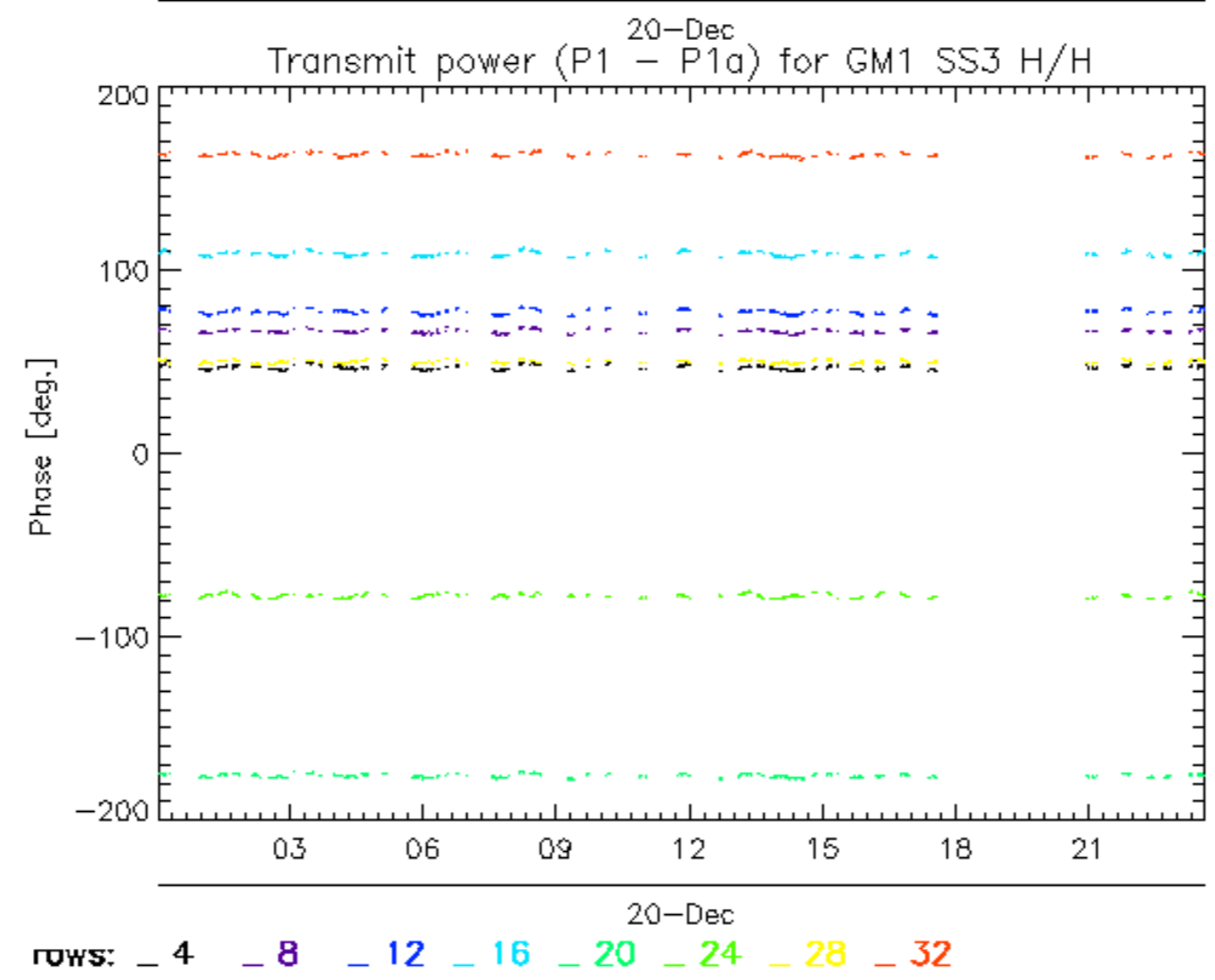
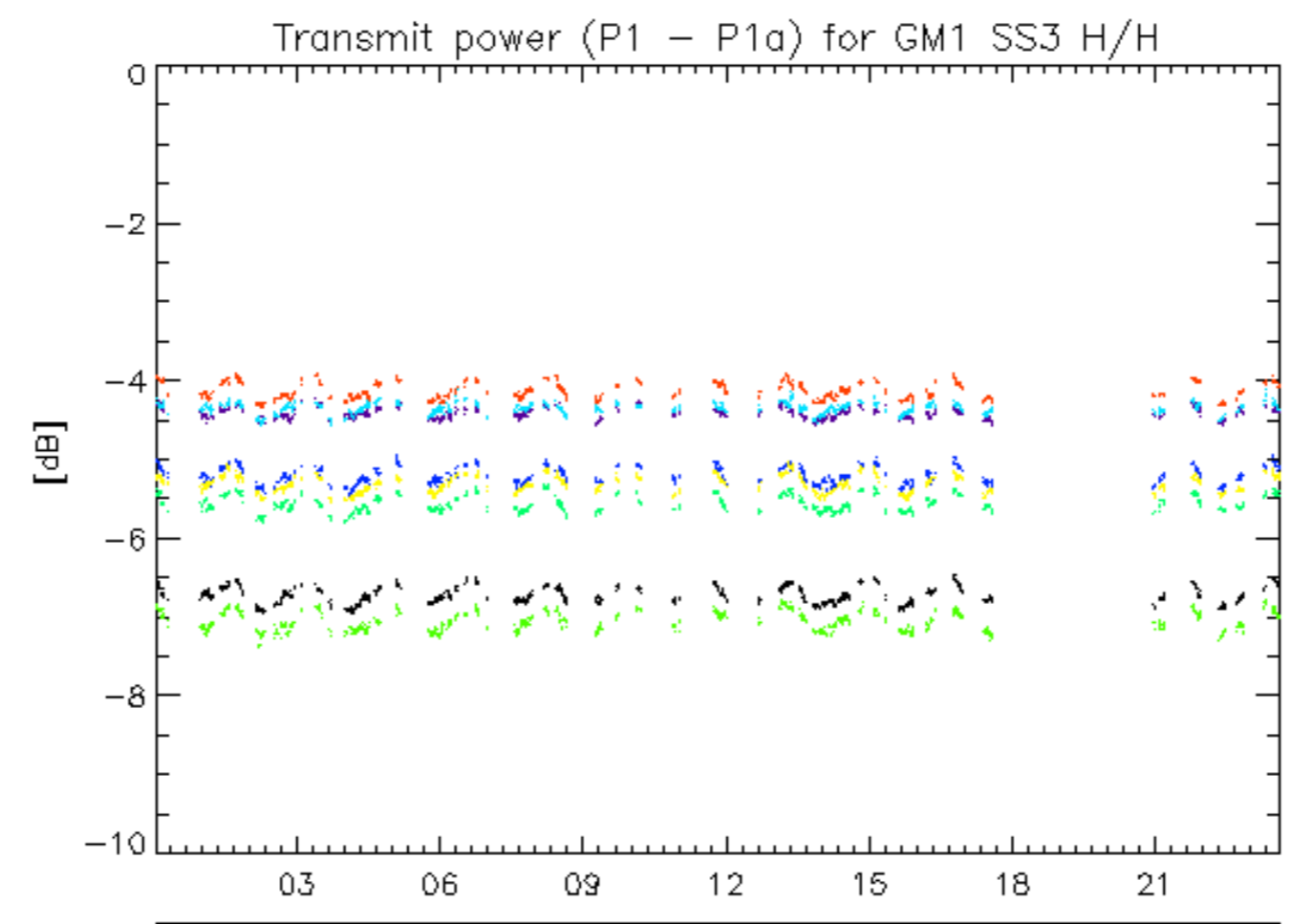


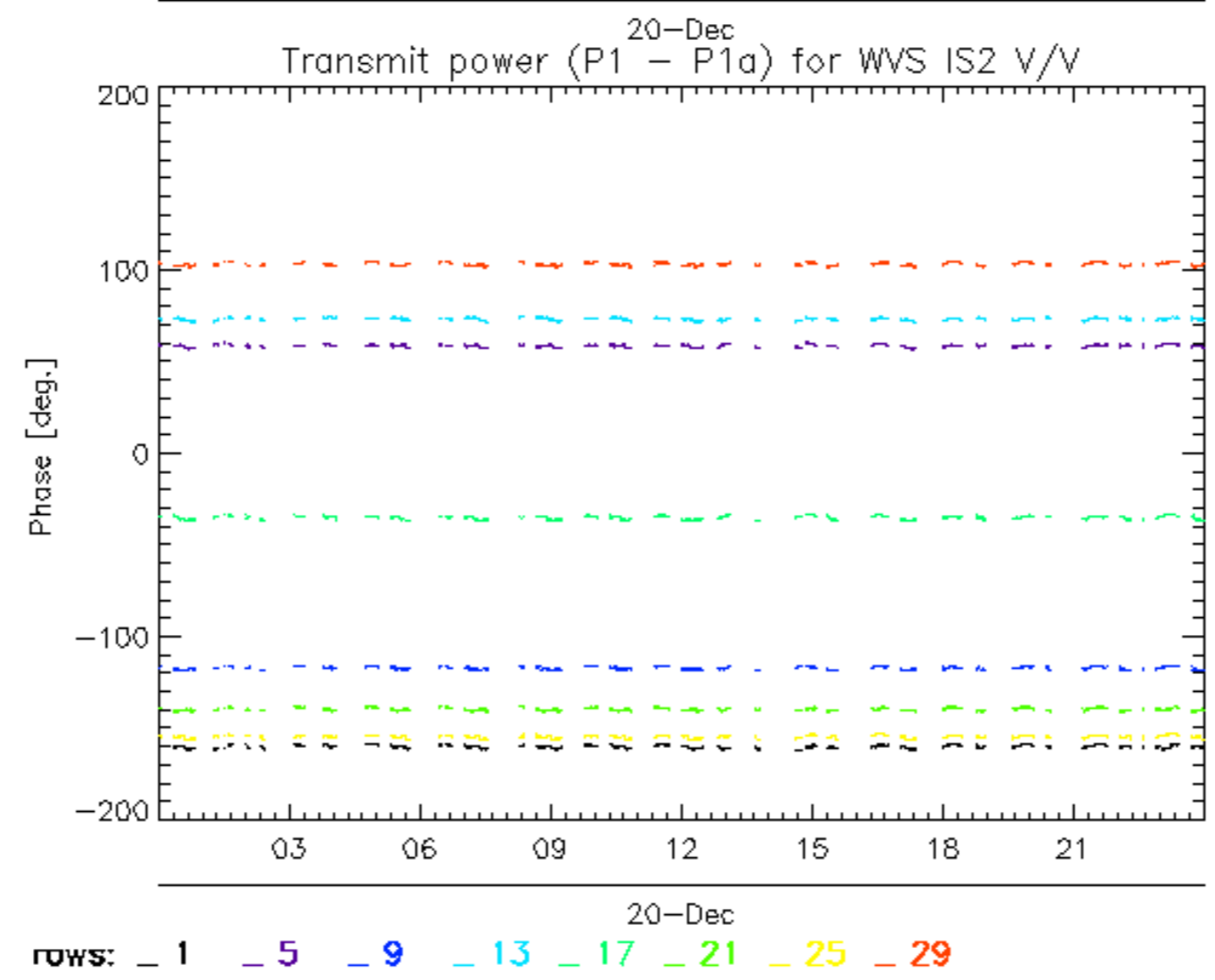
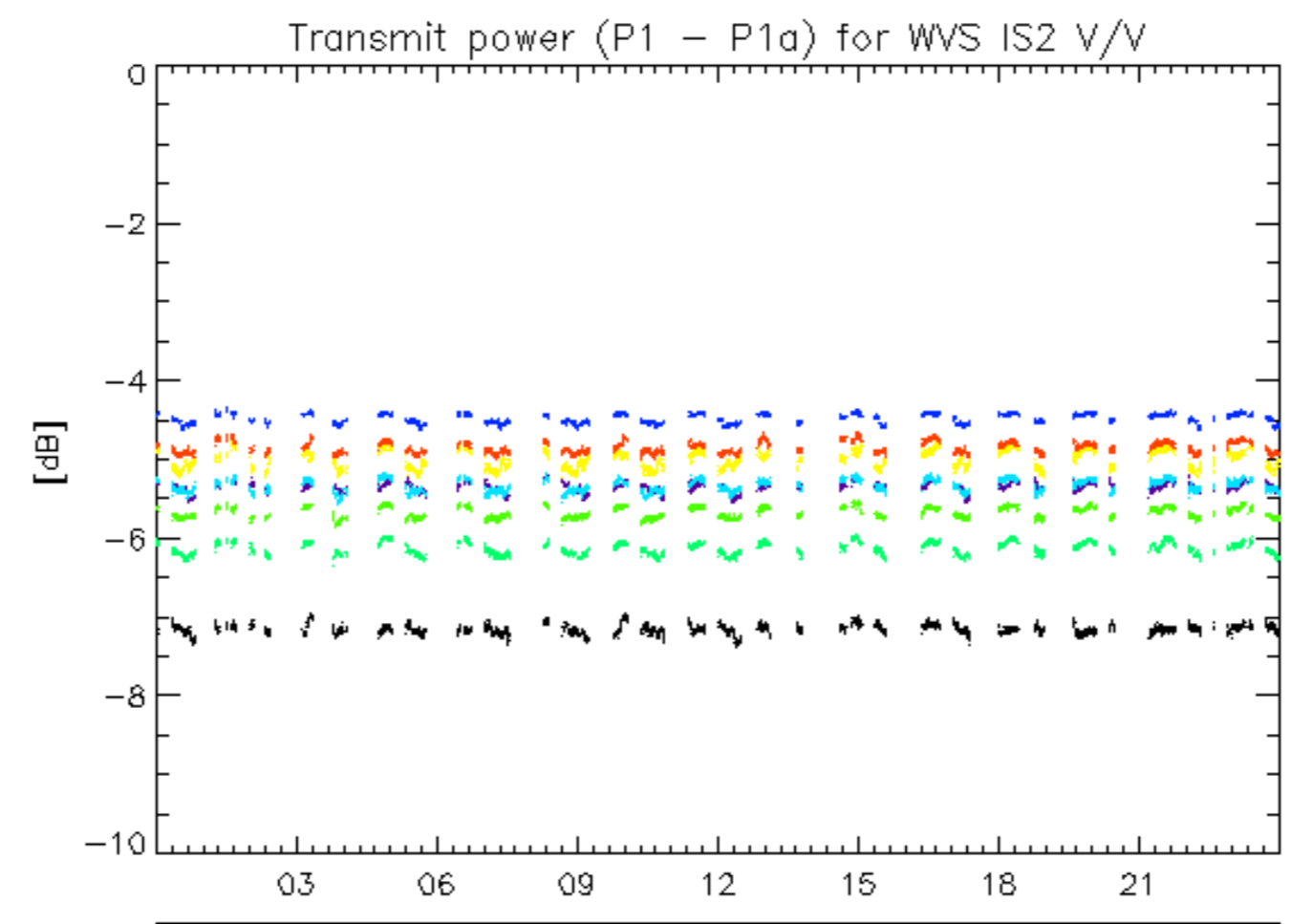


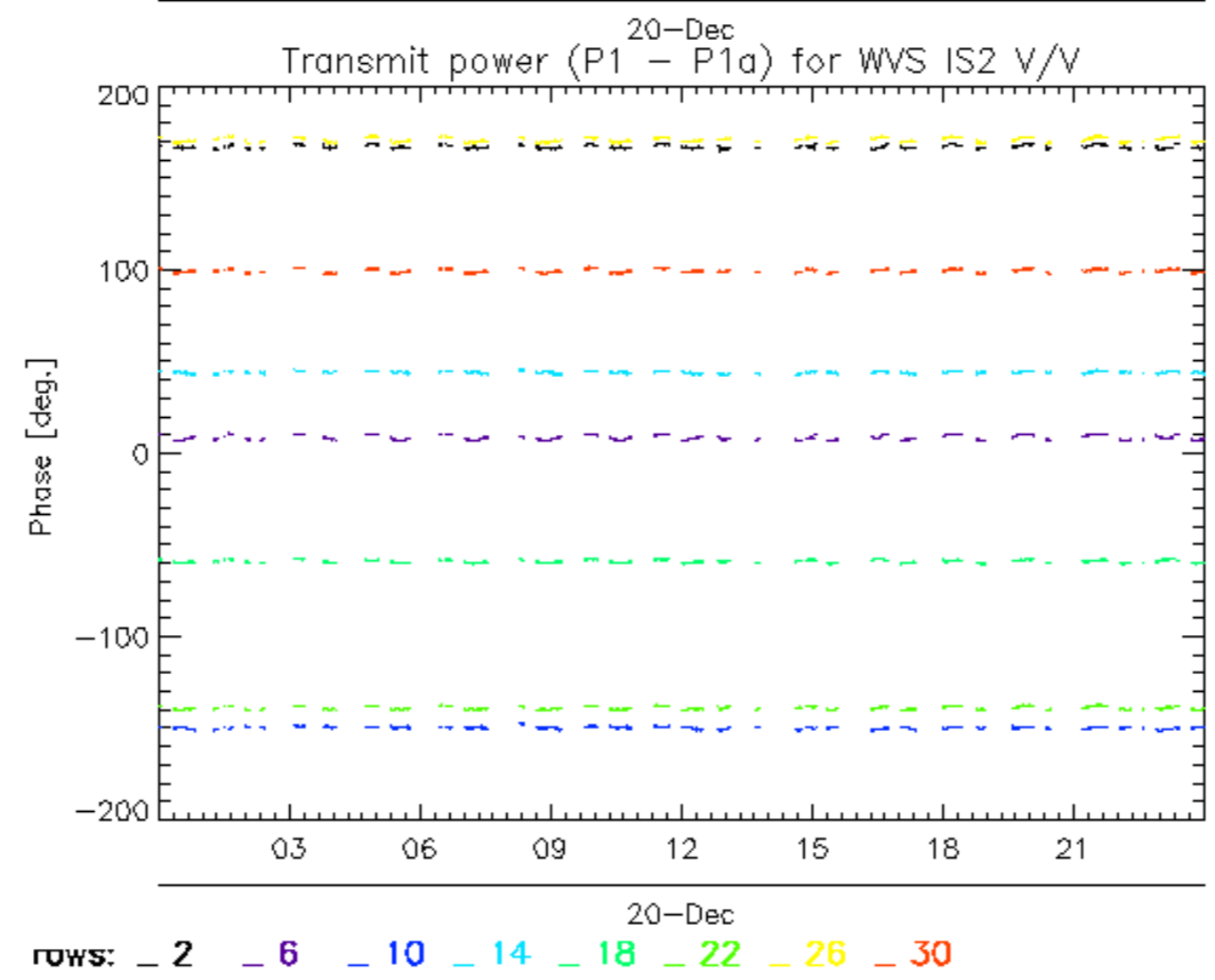
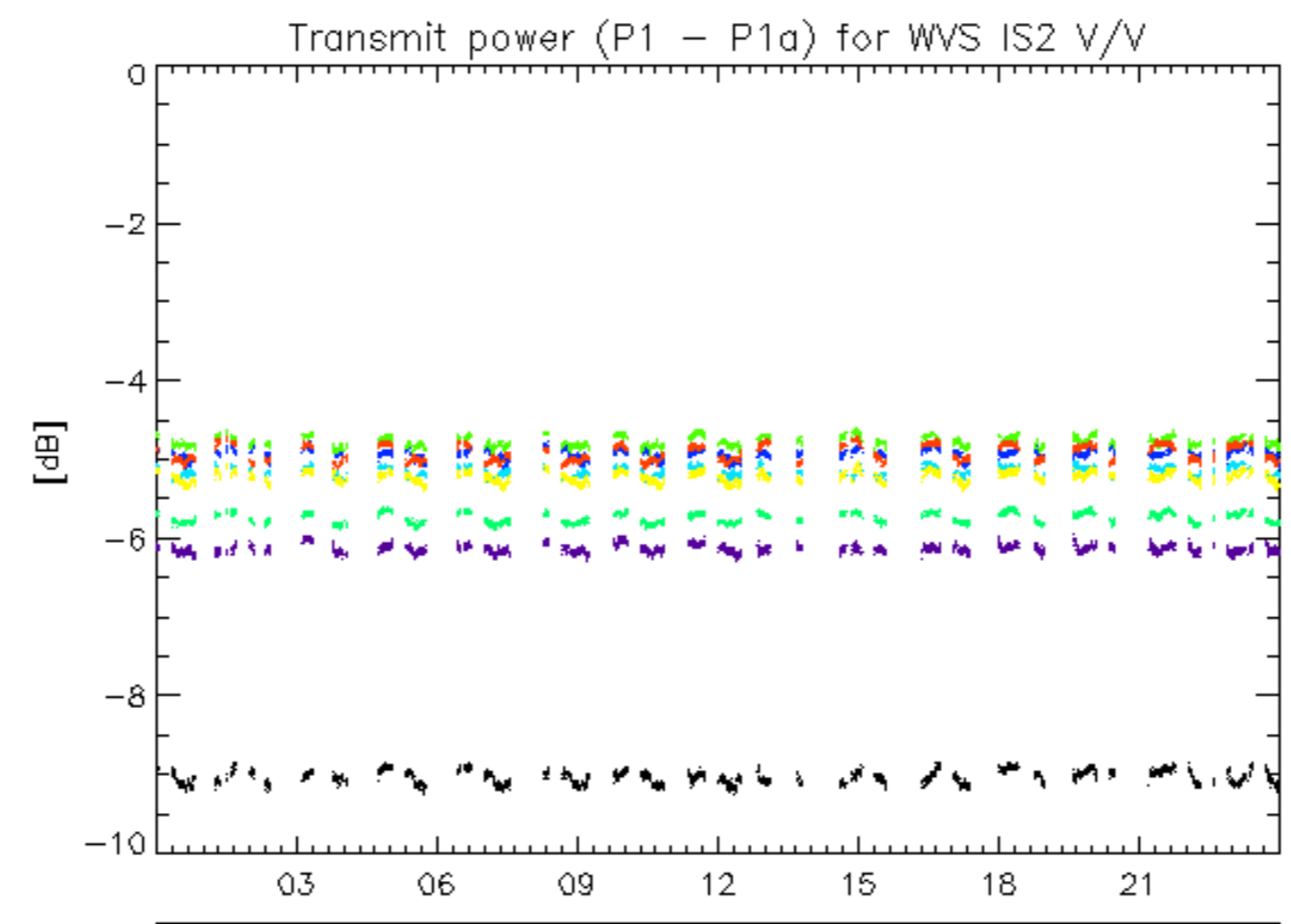


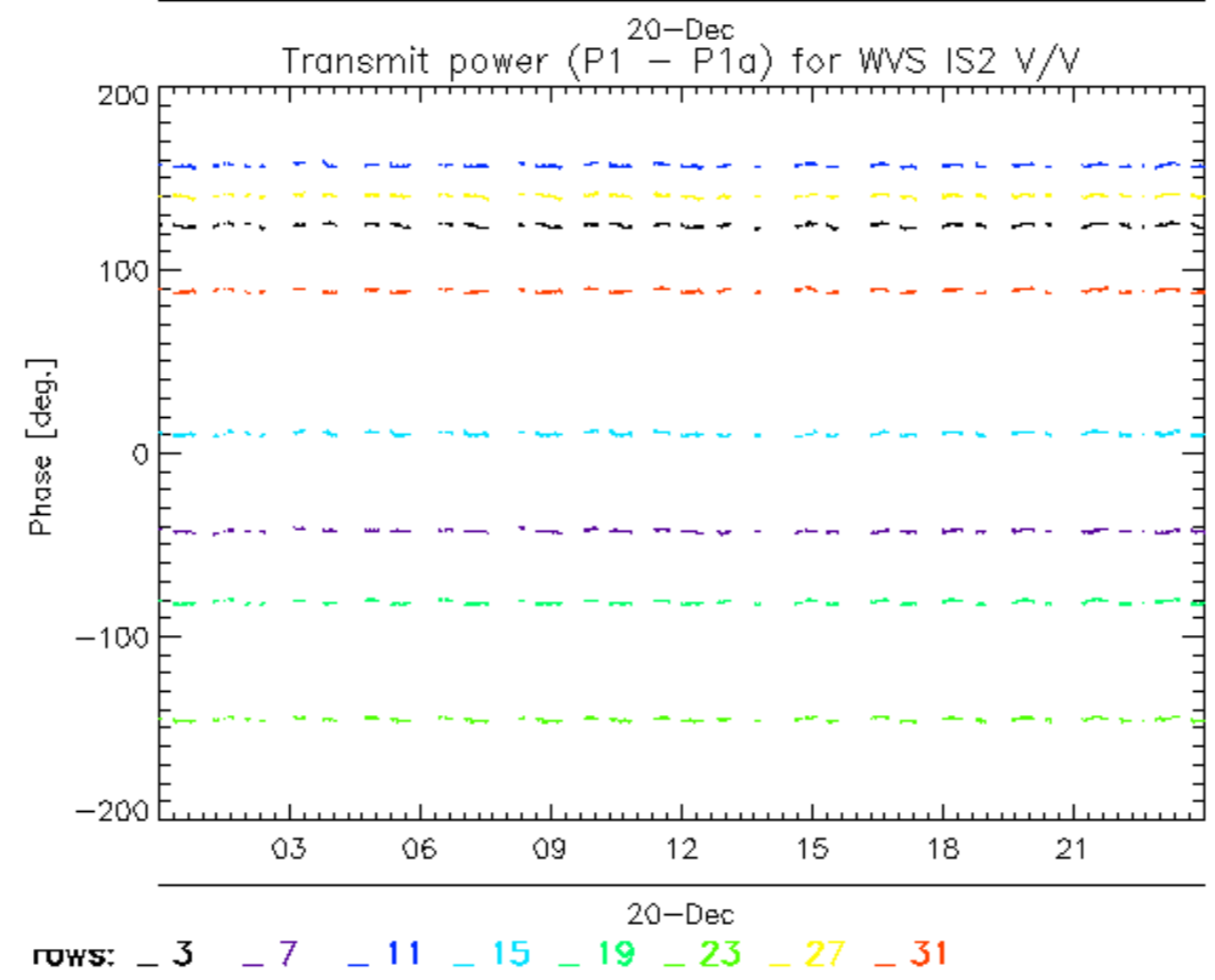
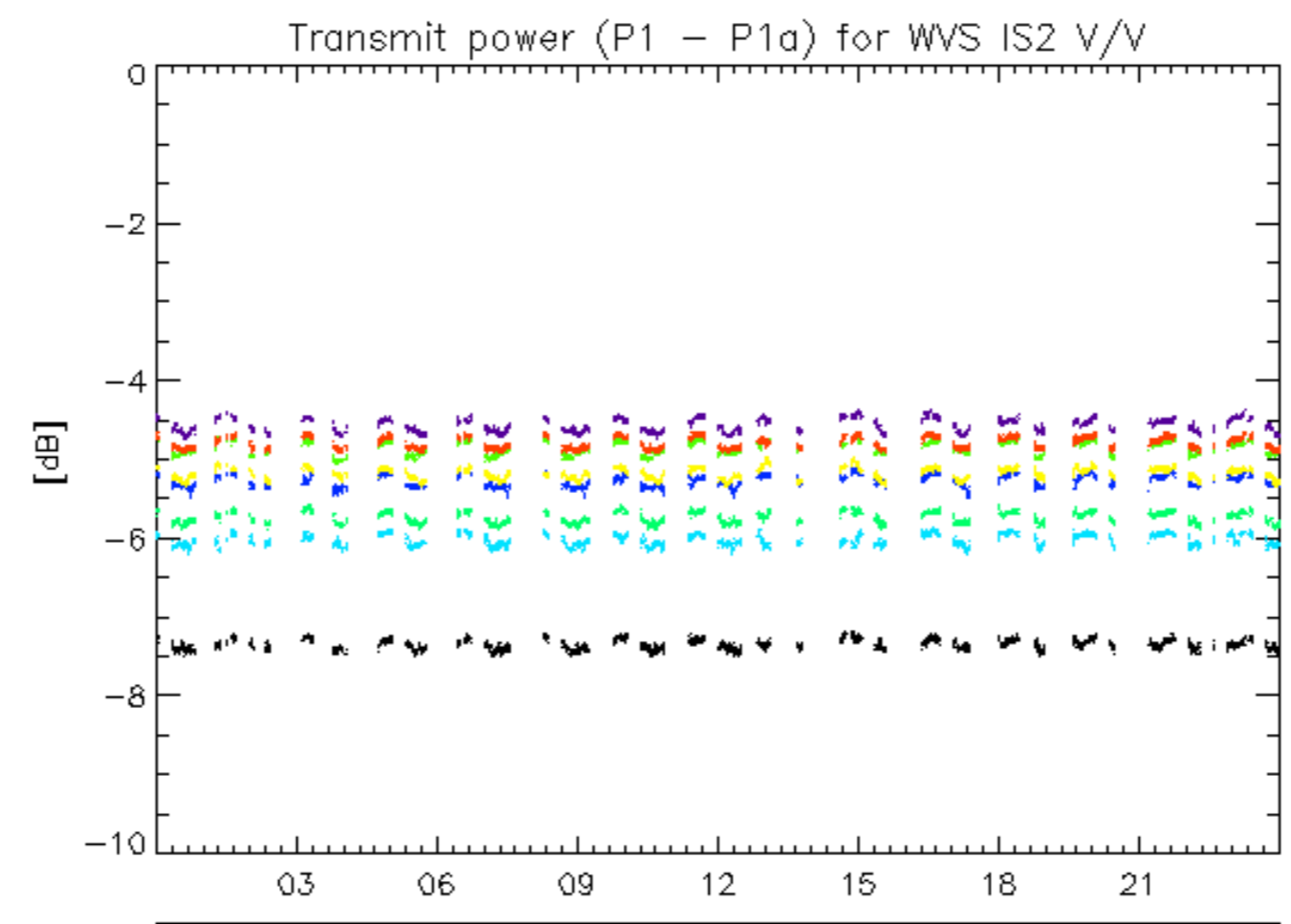


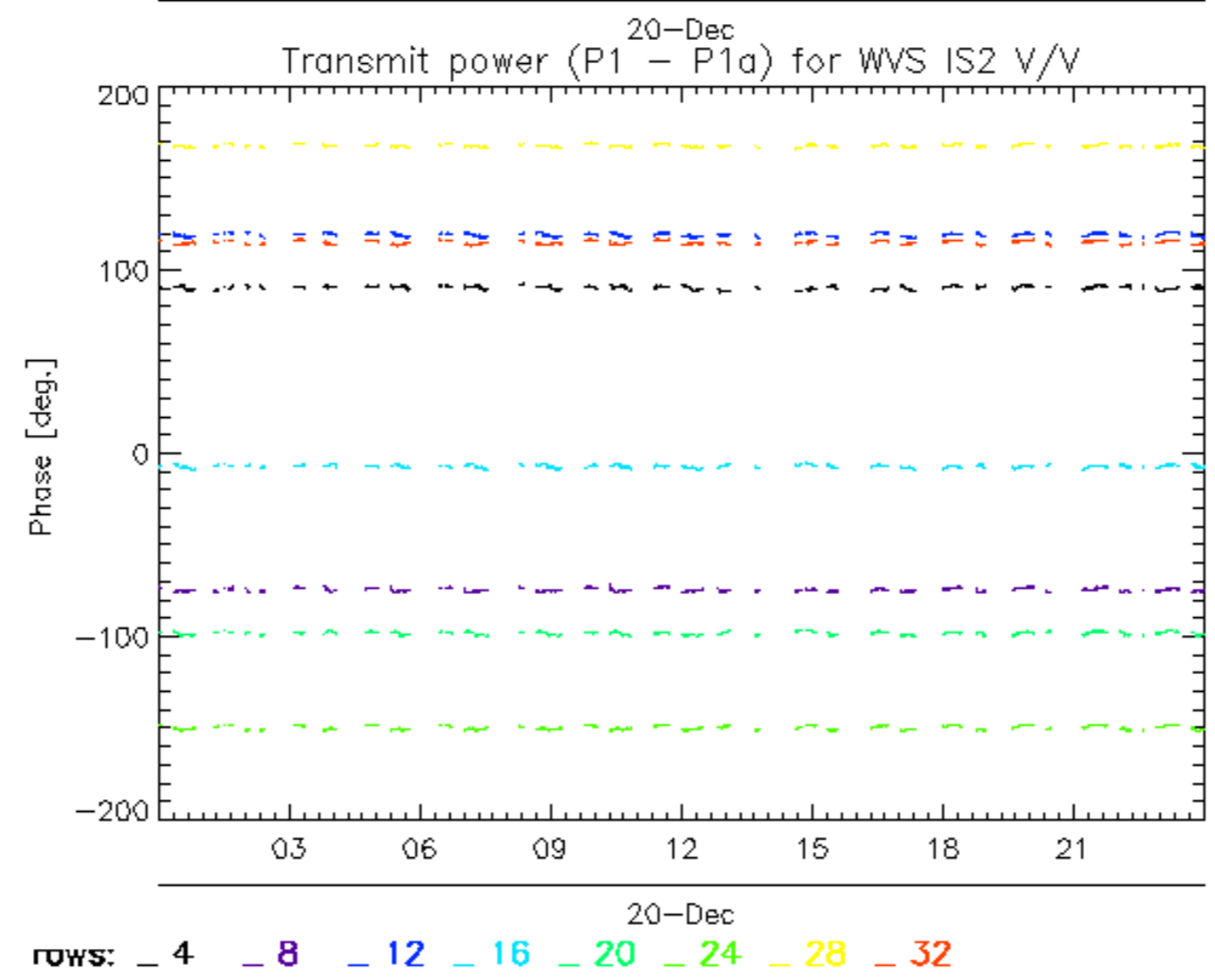
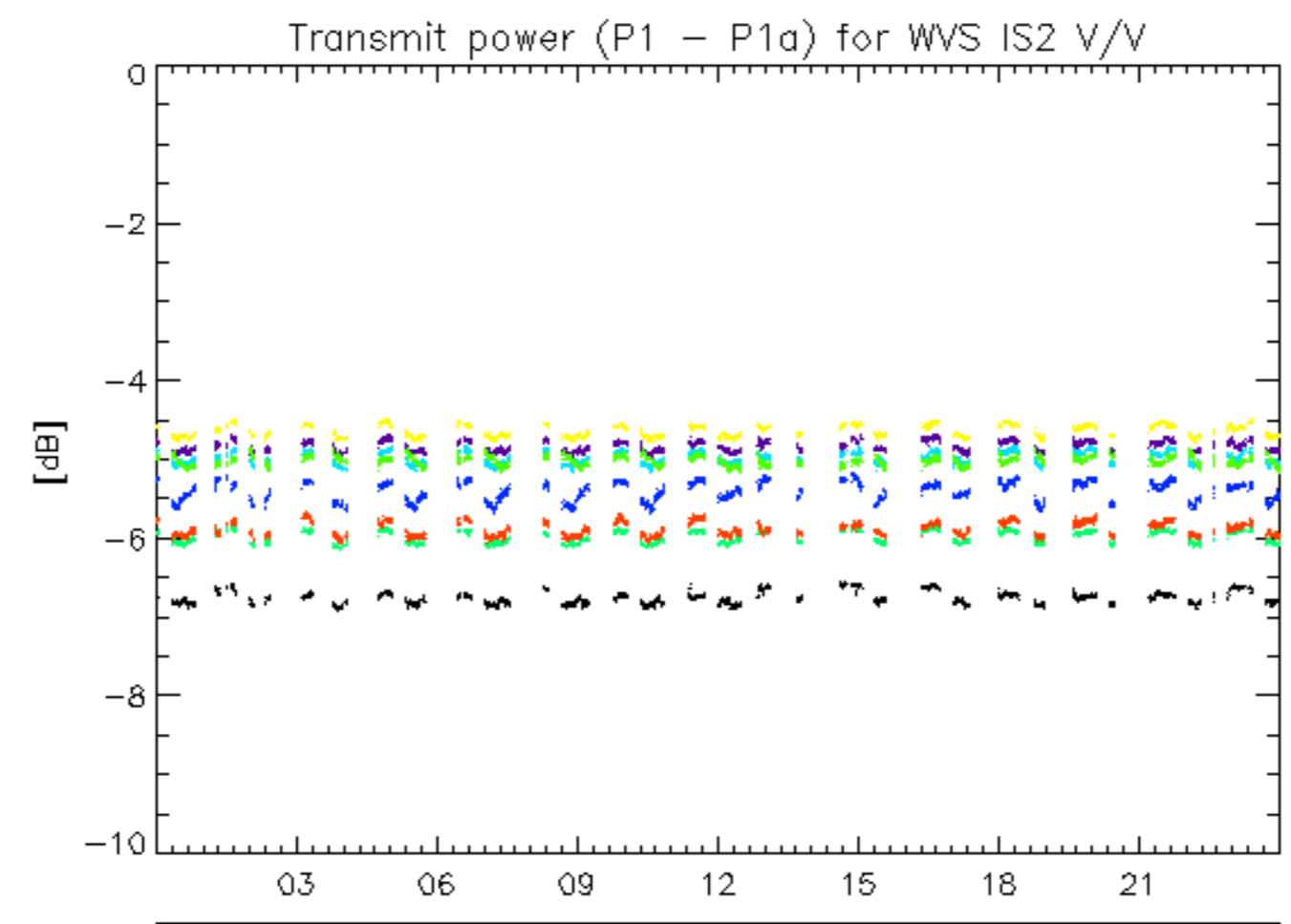
rows: \_ 3 \_ 7 \_ 11 \_ 15 \_ 19 \_ 23 \_ 27 \_ 31

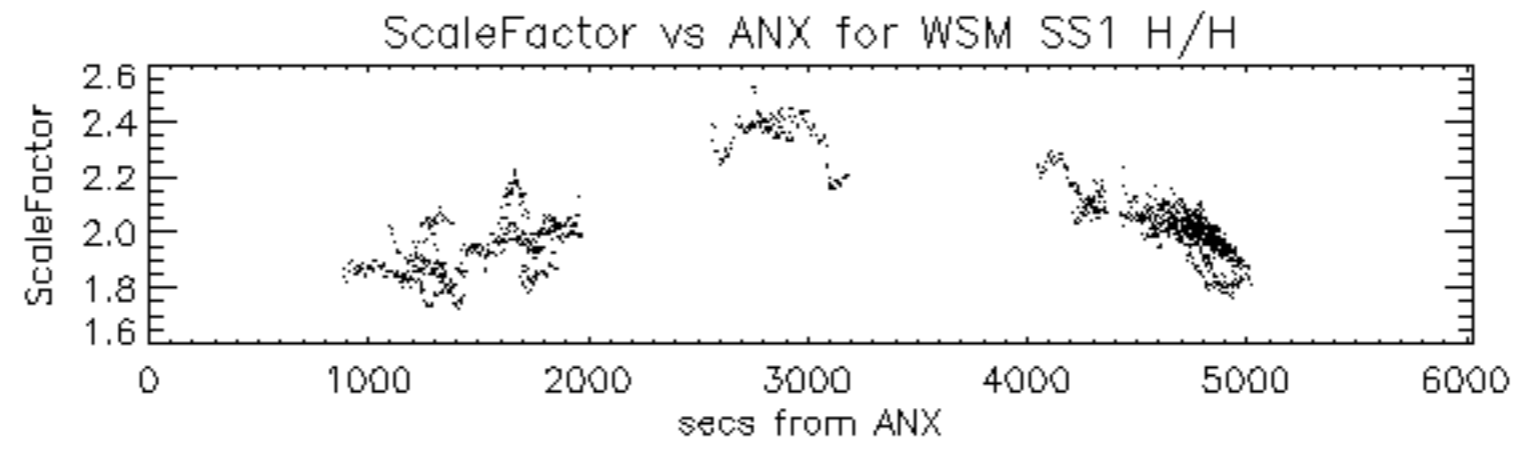


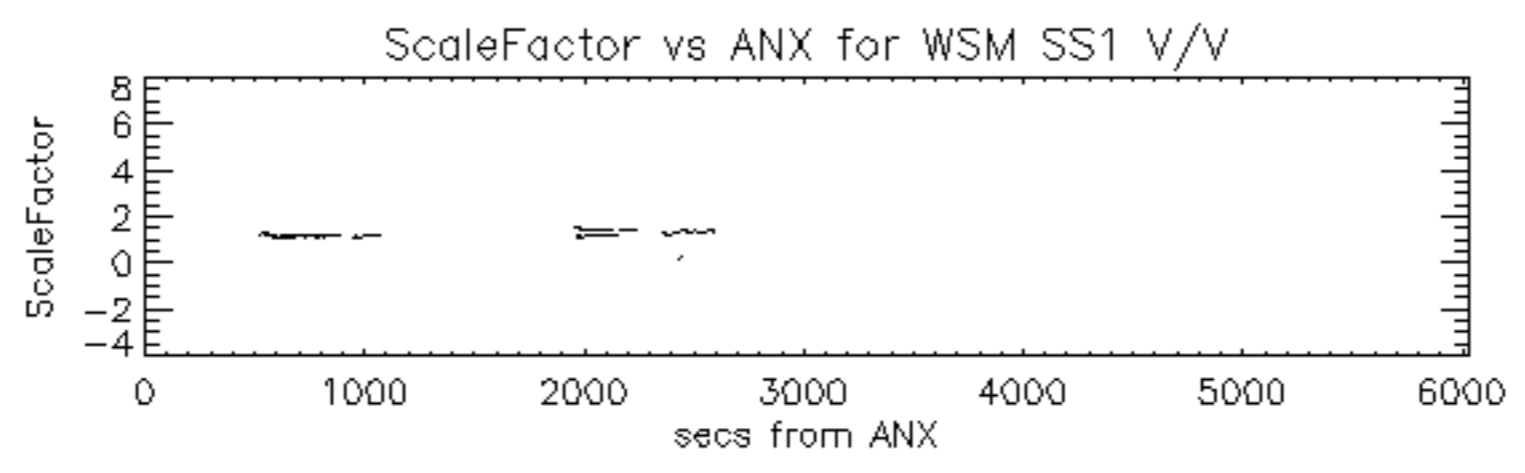




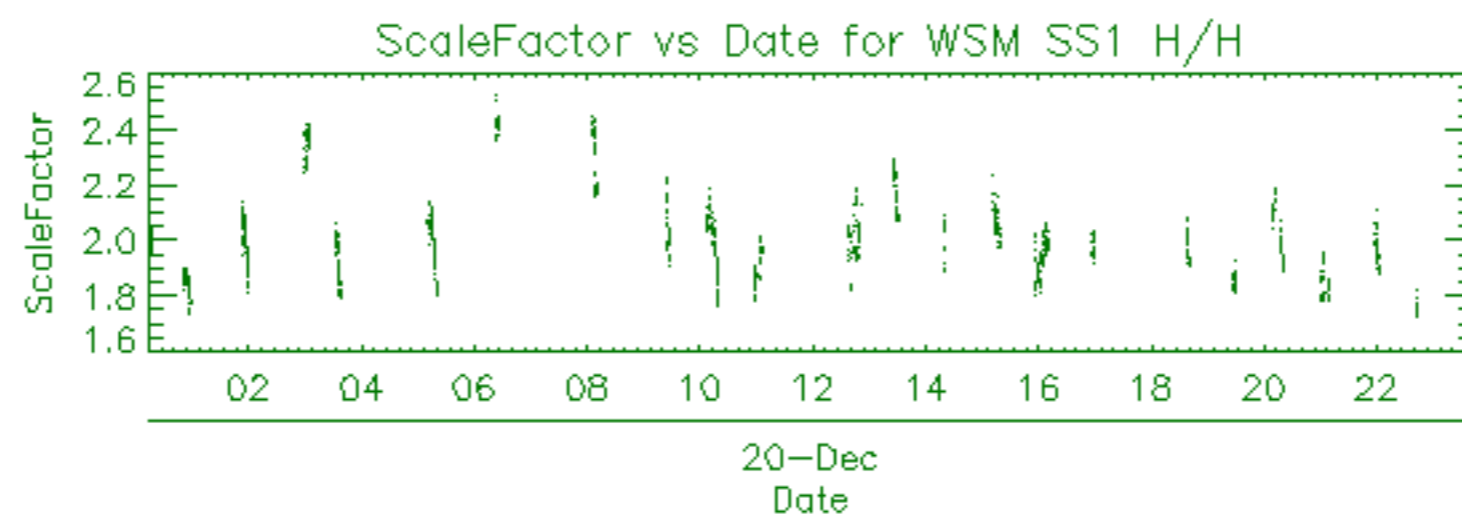


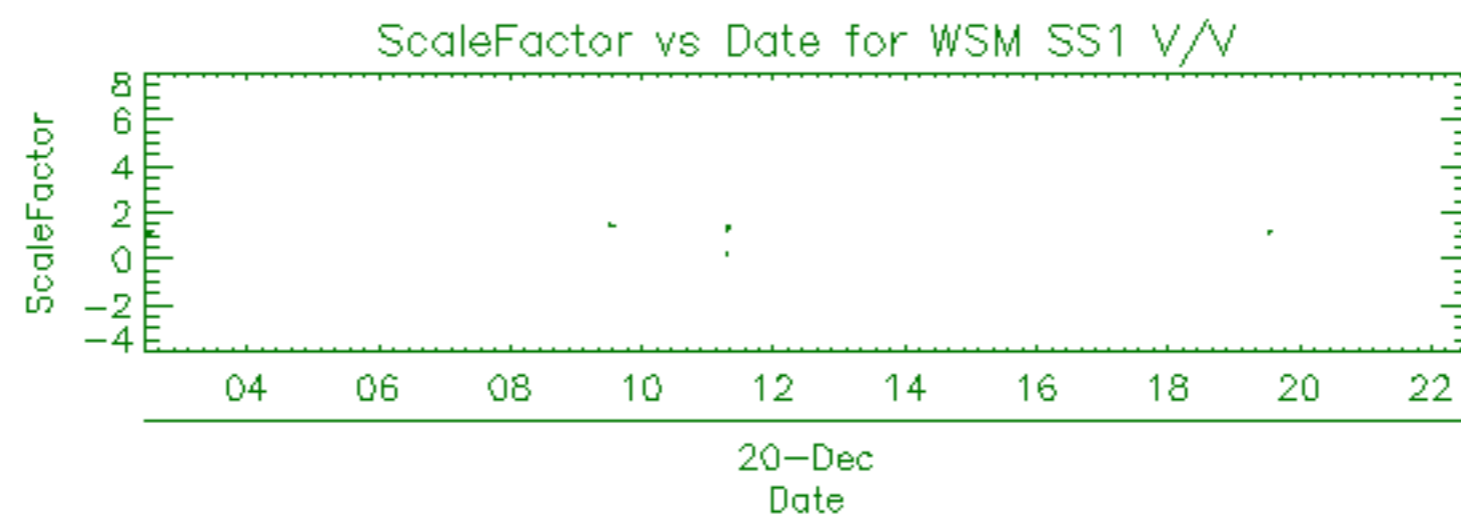












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion			
ASA_APM_1PNPDE20101220_075810_000003763097_00337_46041_6038.N1						IS2	H/H	97	46041 337 5.04



Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20101220_000304_000006283097_00332_46036_5916.N1						SS1	H/H	97	46036	332	5.04
ASA_GM1_1PNPDE20101220_001719_000001023097_00332_46036_5918.N1						SS1	H/H	97	46036	332	5.04
ASA_GM1_1PNPDE20101220_001719_000001023097_00332_46036_5920.N1						SS1	H/H	97	46036	332	5.04
ASA_GM1_1PNPDE20101220_005826_000009553097_00333_46037_5950.N1						SS1	H/H	97	46037	333	5.04
ASA_GM1_1PNPDE20101220_012319_000003623097_00333_46037_5949.N1						SS1	H/H	97	46037	333	5.04
ASA_GM1_1PNPDE20101220_013118_000002893097_00333_46037_5946.N1						SS1	H/H	97	46037	333	5.04
ASA_GM1_1PNPDE20101220_014317_000005493097_00333_46037_5938.N1						SS1	H/H	97	46037	333	5.04
ASA_GM1_1PNPDE20101220_020808_000006713097_00333_46037_5971.N1						SS1	H/H	97	46037	333	5.04
ASA_GM1_1PNPDE20101220_023026_00000903097_00334_46038_5969.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_023441_000001203097_00334_46038_5968.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_023823_000010213097_00334_46038_5967.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_025726_000000843097_00334_46038_5966.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_030537_000000963097_00334_46038_5965.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_032350_000004533097_00334_46038_5984.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_034040_000001993097_00334_46038_5982.N1						SS1	H/H	97	46038	334	5.04
ASA_GM1_1PNPDE20101220_035918_000001873097_00335_46039_5980.N1						SS1	H/H	97	46039	335	5.04
ASA_GM1_1PNPDE20101220_040438_000016563097_00335_46039_5979.N1						SS1	H/H	97	46039	335	5.04
ASA_GM1_1PNPDE20101220_043741_000004163097_00335_46039_5995.N1						SS1	H/H	97	46039	335	5.04
ASA_GM1_1PNPDE20101220_050343_000003863097_00335_46039_6001.N1						SS1	H/H	97	46039	335	5.04
ASA_GM1_1PNPDE20101220_054525_000011903097_00336_46040_6009.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_054525_000011903097_00336_46040_6005.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_060849_000003803097_00336_46040_6004.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_060849_000003803097_00336_46040_6008.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_061753_000001503097_00336_46040_6003.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_061753_000001503097_00336_46040_6007.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_062115_000000723097_00336_46040_6017.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDE20101220_063021_000002353097_00336_46040_6015.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDK20101220_064402_000003443097_00336_46040_7823.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDK20101220_065844_000000723097_00336_46040_7824.N1						SS1	H/H	97	46040	336	5.04
ASA_GM1_1PNPDK20101220_073345_000006893097_00337_46041_7827.N1						SS1	H/H	97	46041	337	5.04
ASA_GM1_1PNPDK20101220_074404_000007193097_00337_46041_7835.N1						SS1	H/H	97	46041	337	5.04
ASA_GM1_1PNPDK20101220_081036_000003683097_00337_46041_7836.N1						SS1	H/H	97	46041	337	5.04
ASA_GM1_1PNPDK20101220_082530_000008823097_00337_46041_7847.N1						SS1	H/H	97	46041	337	5.04
ASA_GM1_1PNPDK20101220_091505_000005253097_00338_46042_7849.N1						SS1	H/H	97	46042	338	5.04
ASA_GM1_1PNPDK20101220_094142_000002713097_00338_46042_7901.N1						SS1	H/H	97	46042	338	5.04
ASA_GM1_1PNPDK20101220_100545_000000843097_00338_46042_7886.N1						SS1	H/H	97	46042	338	5.04
ASA_GM1_1PNPDK20101220_101019_000001573097_00338_46042_7906.N1						SS1	H/H	97	46042	338	5.04
ASA_GM1_1PNPDK20101220_105220_000002653097_00339_46043_7889.N1						SS1	H/H	97	46043	339	5.04
ASA_GM1_1PNPDK20101220_110015_000001503097_00339_46043_7891.N1						SS1	H/H	97	46043	339	5.04
ASA_GM1_1PNPDK20101220_114442_000009613097_00339_46043_7941.N1						SS1	H/H	97	46043	339	5.04
ASA_GM1_1PNPDK20101220_124035_000001933097_00340_46044_7949.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_130701_000006163097_00340_46044_7986.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_131721_000004653097_00340_46044_7987.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_133049_000006043097_00340_46044_7989.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_134755_000003683097_00340_46044_7993.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_134755_000003683097_00340_46044_7998.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_135502_000002653097_00340_46044_7999.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_135502_000002653097_00340_46044_7994.N1						SS1	H/H	97	46044	340	5.04
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_8000.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_140026_000001873097_00341_46045_7995.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7992.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_140417_000001993097_00341_46045_7997.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_140925_000005493097_00341_46045_7990.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_142129_000001143097_00341_46045_7996.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_142218_000008283097_00341_46045_8029.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_144723_000002653097_00341_46045_8031.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_150508_000003983097_00341_46045_8033.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_151928_000000963097_00341_46045_8034.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_153701_000011663097_00341_46045_8036.N1						SS1	H/H	97	46045	341	5.04
ASA_GM1_1PNPDK20101220_161126_000005433097_00342_46046_8052.N1						SS1	H/H	97	46046	342	5.04
ASA_GM1_1PNPDK20101220_162203_000001263097_00342_46046_8054.N1						SS1	H/H	97	46046	342	5.04
ASA_GM1_1PNPDK20101220_164524_000006833097_00342_46046_8056.N1						SS1	H/H	97	46046	342	5.04
ASA_GM1_1PNPDK20101220_172347_000007433097_00343_46047_8057.N1						SS1	H/H	97	46047	343	5.04
ASA_GM1_1PNPDE20101220_205723_000001443097_00345_46049_6115.N1						SS1	H/H	97	46049	345	5.04
ASA_GM1_1PNPDE20101220_210424_000001633097_00345_46049_6114.N1						SS1	H/H	97	46049	345	5.04
ASA_GM1_1PNPDE20101220_210849_000002353097_00345_46049_6118.N1						SS1	H/H	97	46049	345	5.04
ASA_GM1_1PNPDE20101220_214606_000007013097_00345_46049_6125.N1						SS1	H/H	97	46049	345	5.04

ASA_GM1_1PNPDE20101220_222024_000004473097_00346_46050_6136.N1	SS1	H/H	97	46050	346	5.04
ASA_GM1_1PNPDE20101220_224027_000000723097_00346_46050_6134.N1	SS1	H/H	97	46050	346	5.04
ASA_GM1_1PNPDE20101220_224324_000005313097_00346_46050_6138.N1	SS1	H/H	97	46050	346	5.04
ASA_GM1_1PNPDE20101220_231616_000001383097_00346_46050_6137.N1	SS1	H/H	97	46050	346	5.04
ASA_GM1_1PNPDE20101220_231846_000001023097_00346_46050_6140.N1	SS1	H/H	97	46050	346	5.04
ASA_GM1_1PNPDE20101220_232620_000006283097_00346_46050_6145.N1	SS1	H/H	97	46050	346	5.04

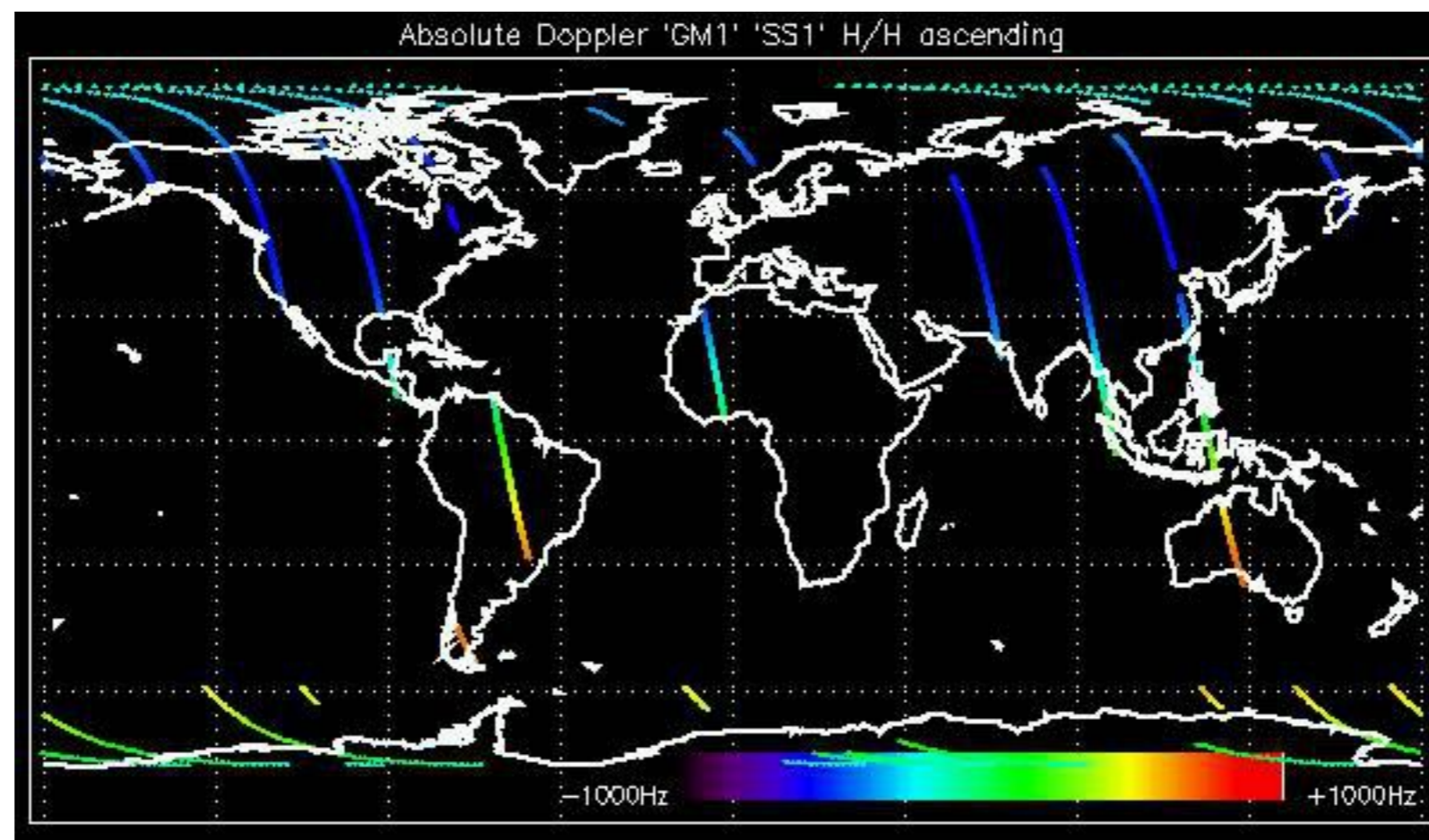
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_IMM_1PNPDE20101220_025522_000001123097_00334_46038_5953.N1						IS6	H/H	97	46038	334	5.04
ASA_IMM_1PNPDE20101220_034359_000001423097_00334_46038_5988.N1						IS6	H/H	97	46038	334	5.04
ASA_IMM_1PNPDE20101220_043210_000003213097_00335_46039_5976.N1						IS6	H/H	97	46039	335	5.04
ASA_IMM_1PNPDE20101220_061507_000001583097_00336_46040_5997.N1						IS6	H/H	97	46040	336	5.04
ASA_IMM_1PNPDE20101220_062026_000000373097_00336_46040_5998.N1						IS2	V/V	97	46040	336	5.04
ASA_IMM_1PNPDK20101220_110940_000001123097_00339_46043_7961.N1						IS6	H/H	97	46043	339	5.04
ASA_IMM_1PNPDE20101220_112228_000000973097_00339_46043_6082.N1						IS6	V/V	97	46043	339	5.04
ASA_IMM_1PNPDK20101220_135923_000000513097_00341_46045_8007.N1						IS2	H/H	97	46045	341	5.04
ASA_IMM_1PNPDE20101220_144523_000000383097_00341_46045_6101.N1						IS5	H/H	97	46045	341	5.04
ASA_IMM_1PNPDE20101220_144637_000000373097_00341_46045_6102.N1						IS3	H/H	97	46045	341	5.04
ASA_IMM_1PNPDE20101220_175441_000002933097_00343_46047_6109.N1						IS6	H/H	97	46047	343	5.04

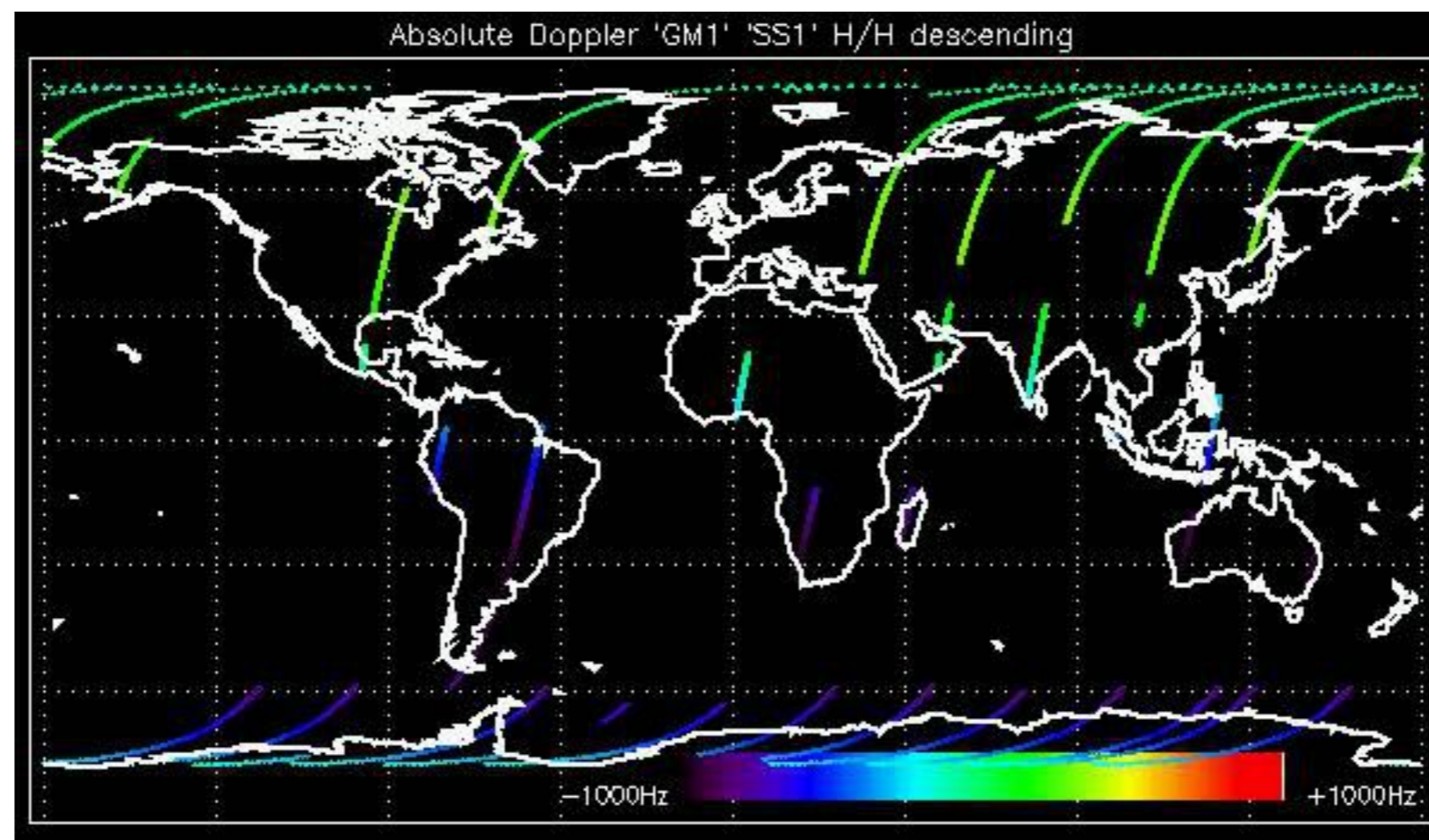
Filename	Pol	Timestamp	count(Module)				
ASA_MS__0PNPDK20101220_082412_000000163097_00337_46041_0362.N1	H			2010-12-20	08:24:12	320	
ASA_MS__0PNPDK20101220_100426_000000163097_00338_46042_0363.N1	V			2010-12-20	10:04:26	320	

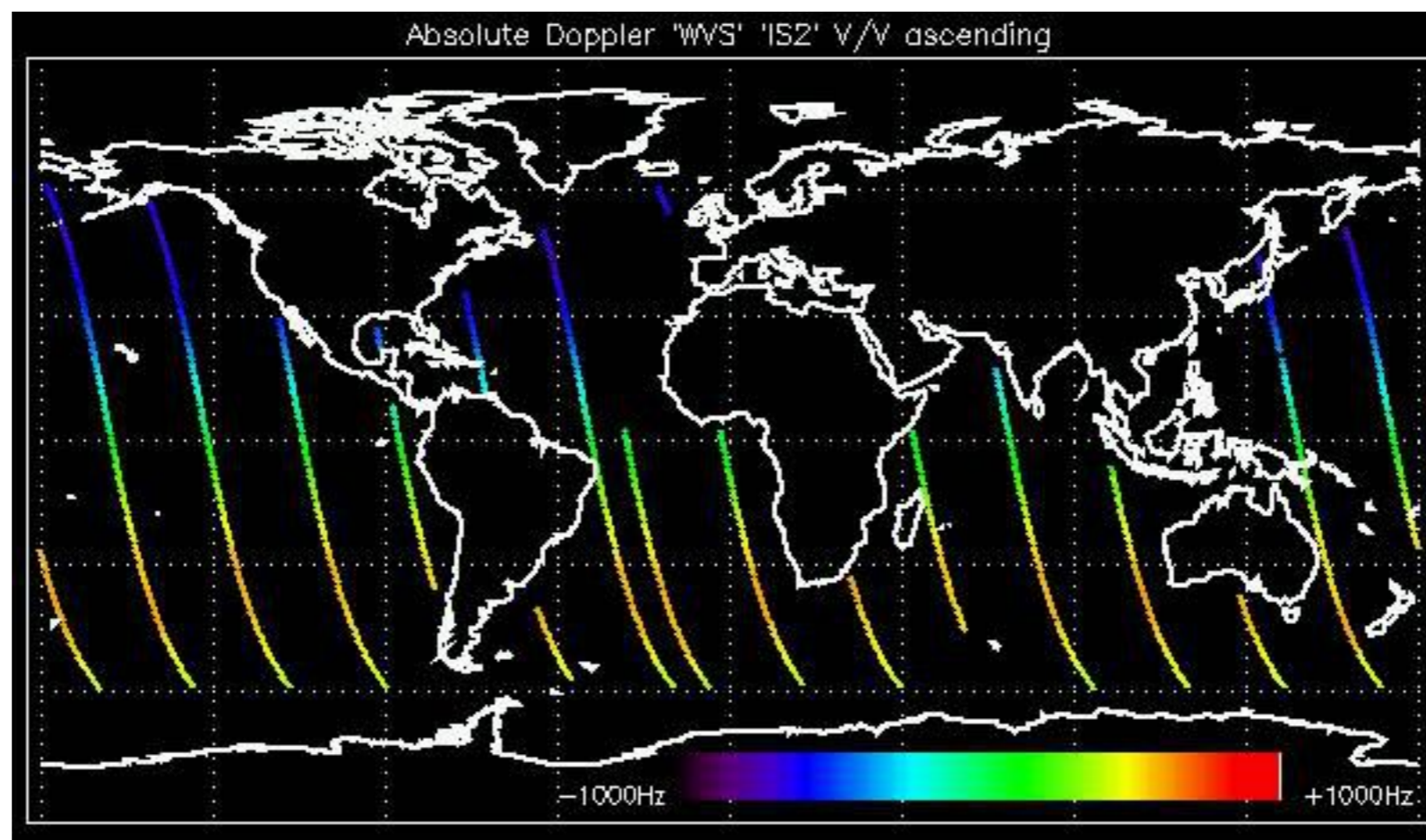
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WSM_1PNPDE20101220_001341_000002143097_00332_46036_5905.N1						SS1	H/H	97	46036	332	5.04
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5935.N1						SS1	H/H	97	46037	333	5.04
ASA_WSM_1PNPDE20101220_005051_000004533097_00333_46037_5936.N1						SS1	H/H	97	46037	333	5.04
ASA_WSM_1PNPDE20101220_015227_000004533097_00333_46037_5939.N1						SS1	H/H	97	46037	333	5.04
ASA_WSM_1PNPDE20101220_022650_000002083097_00334_46038_5955.N1						SS1	V/V	97	46038	334	5.04
ASA_WSM_1PNPDE20101220_023203_000001533097_00334_46038_5964.N1						SS1	V/V	97	46038	334	5.04
ASA_WSM_1PNPDE20101220_025900_000003923097_00334_46038_5954.N1						SS1	H/H	97	46038	334	5.04
ASA_WSM_1PNPDE20101220_033129_000004533097_00334_46038_5977.N1						SS1	H/H	97	46038	334	5.04
ASA_WSM_1PNPDE20101220_051013_000005753097_00335_46039_6002.N1						SS1	H/H	97	46039	335	5.04
ASA_WSM_1PNPDE20101220_062235_000001653097_00336_46040_5999.N1						SS1	H/H	97	46040	336	5.04
ASA_WSM_1PNPDE20101220_080534_000002943097_00337_46041_6039.N1						SS1	H/H	97	46041	337	5.04
ASA_WSM_1PNPDK20101220_092351_000002943097_00338_46042_8013.N1						SS1	H/H	97	46042	338	5.04
ASA_WSM_1PNPDK20101220_092951_000001903097_00338_46042_8023.N1						SS1	V/V	97	46042	338	5.04
ASA_WSM_1PNPDK20101220_093315_000000983097_00338_46042_8015.N1						SS1	V/V	97	46042	338	5.04
ASA_WSM_1PNPDE20101220_100716_000001843097_00338_46042_6062.N1						SS1	H/H	97	46042	338	5.04
ASA_WSM_1PNPDE20101220_101303_000004103097_00338_46042_6083.N1						SS1	H/H	97	46042	338	5.04
ASA_WSM_1PNPDE20101220_105652_000001903097_00339_46043_6084.N1						SS1	H/H	97	46043	339	5.04
ASA_WSM_1PNPDK20101220_110252_000002083097_00339_46043_7960.N1						SS1	H/H	97	46043	339	5.04
ASA_WSM_1PNPDE20101220_111651_000002513097_00339_46043_6081.N1						SS1	V/V	97	46043	339	5.04
ASA_WSM_1PNPDK20101220_123751_000001593097_00340_46044_7943.N1						SS1	H/H	97	46044	340	5.04
ASA_WSM_1PNPDK20101220_124351_000004103097_00340_46044_7951.N1						SS1	H/H	97	46044	340	5.04
ASA_WSM_1PNPDK20101220_132510_000003303097_00340_46044_8005.N1						SS1	H/H	97	46044	340	5.04
ASA_WSM_1PNPDK20101220_141837_000001653097_00341_46045_7991.N1						SS1	H/H	97	46045	341	5.04
ASA_WSM_1PNPDE20101220_151151_000002393097_00341_46045_6103.N1						SS1	H/H	97	46045	341	5.04
ASA_WSM_1PNPDE20101220_151651_000001473097_00341_46045_6104.N1						SS1	H/H	97	46045	341	5.04
ASA_WSM_1PNPDK20101220_155629_000002943097_00342_46046_8046.N1						SS1	H/H	97	46046	342	5.04
ASA_WSM_1PNPDK20101220_160152_000001533097_00342_46046_8040.N1						SS1	H/H	97	46046	342	5.04
ASA_WSM_1PNPDE20101220_160452_000003923097_00342_46046_6106.N1						SS1	H/H	97	46046	342	5.04
ASA_WSM_1PNPDE20101220_165652_000002143097_00342_46046_6105.N1						SS1	H/H	97	46046	342	5.04
ASA_WSM_1PNPDE20101220_183652_000002143097_00343_46047_6107.N1						SS1	H/H	97	46047	343	5.04
ASA_WSM_1PNPDE20101220_192652_000001903097_00344_46048_6111.N1						SS1	H/H	97	46048	344	5.04
ASA_WSM_1PNPDE20101220_193123_000002143097_00344_46048_6112.N1						SS1	V/V	97	46048	344	5.04
ASA_WSM_1PNPDE20101220_200910_000001283097_00344_46048_6113.N1						SS1	H/H	97	46048	344	5.04
ASA_WSM_1PNPDE20101220_201652_000002143097_00344_46048_6110.N1						SS1	H/H	97	46048	344	5.04
ASA_WSM_1PNPDE20101220_210044_000002203097_00345_46049_6116.N1						SS1	H/H	97	46049	345	5.04
ASA_WSM_1PNPDE20101220_210712_000000923097_00345_46049_6124.N1						SS1	H/H	97	46049	345	5.04
ASA_WSM_1PNPDE20101220_215751_000002693097_00345_46049_6117.N1						SS1	H/H	97	46049	345	5.04
ASA_WSM_1PNPDE20101220_222751_000003923097_00346_46050_6130.N1						SS1	V/V	97	46050	346	5.04
ASA_WSM_1PNPDE20101220_224151_000000923097_00346_46050_6131.N1						SS1	H/H	97	46050	346	5.04
ASA_WSM_1PNPDE20101220_233651_000003303097_00346_46050_6132.N1						SS1	H/H	97	46050	346	5.04

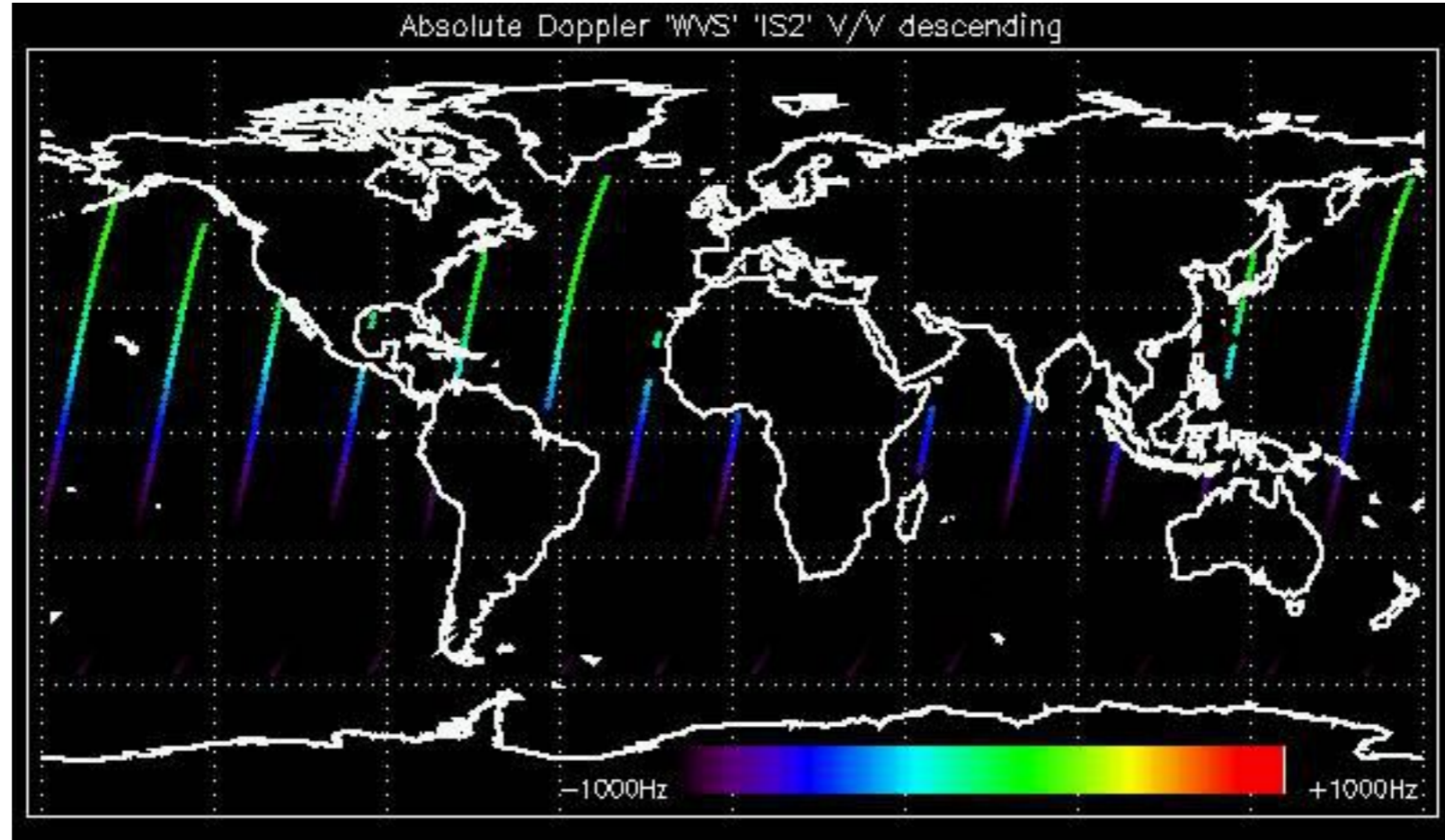


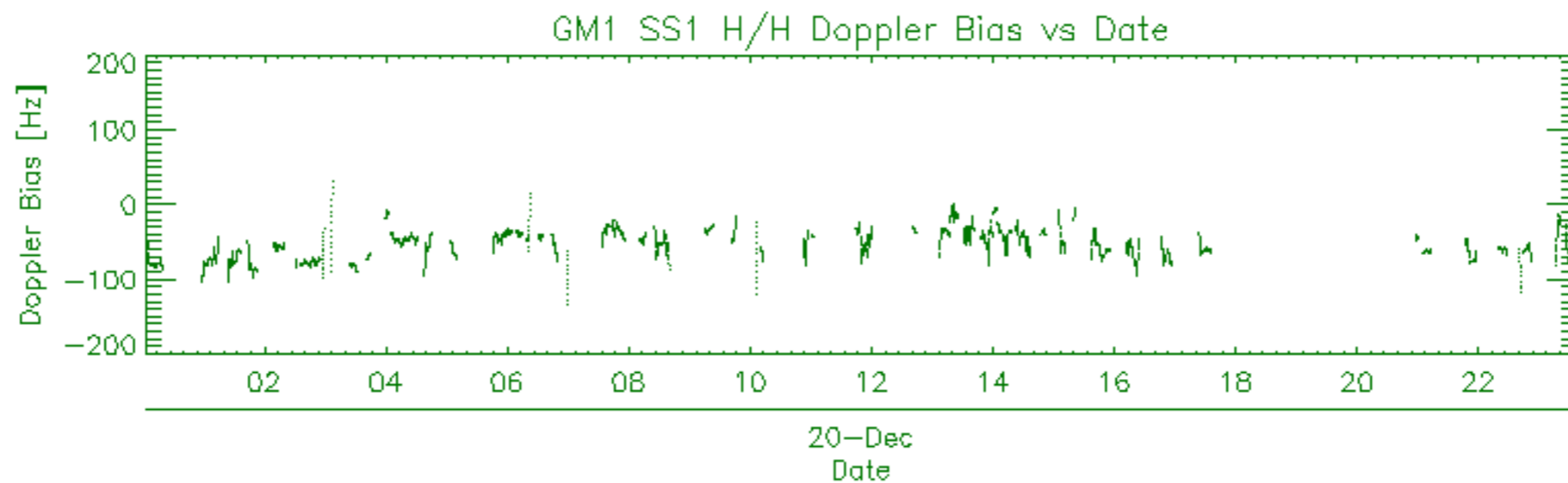
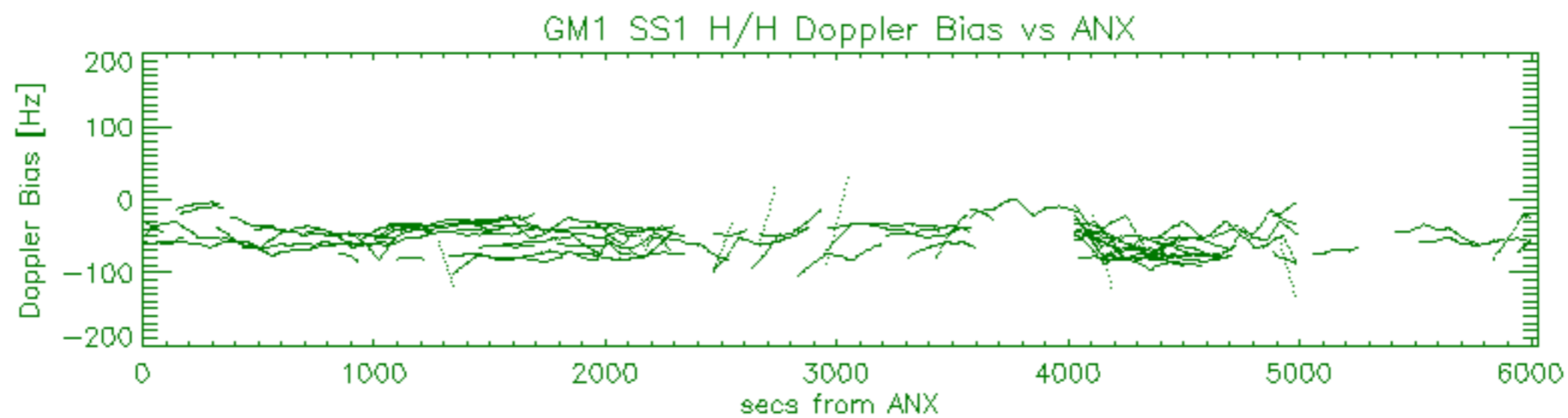
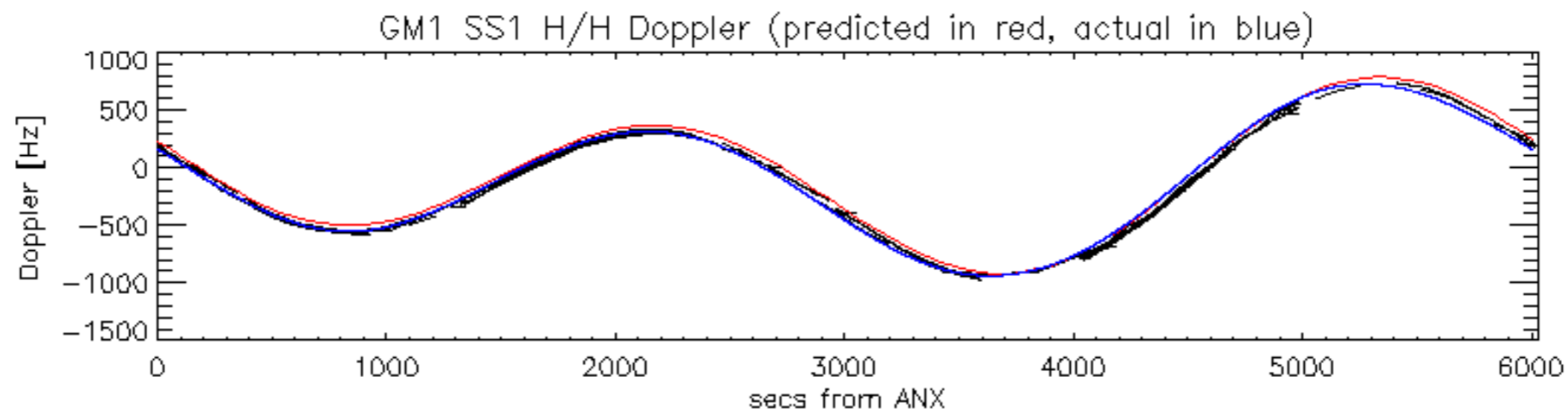
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WVS_1PNPDE20101219_235658_000003153097_00332_46036_5915.N1						IS2	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5919.N1						IS2	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5917.N1						IS2	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_002421_000015443097_00332_46036_5934.N1						IS2	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5919.N1						IS1	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_001906_000003593097_00332_46036_5917.N1						IS1	V/V	97	46036	332	5.04
ASA_WVS_1PNPDE20101220_011422_000004863097_00333_46037_5948.N1						IS2	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_012922_000000743097_00333_46037_5947.N1						IS2	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_013612_000003753097_00333_46037_5945.N1						IS2	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_020000_000001943097_00333_46037_5937.N1						IS2	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_020230_000001353097_00333_46037_5970.N1						IS2	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_020000_000001943097_00333_46037_5937.N1						IS1	V/V	97	46037	333	5.04
ASA_WVS_1PNPDE20101220_021919_000004043097_00334_46038_5963.N1						IS2	V/V	97	46038	334	5.04
ASA_WVS_1PNPDE20101220_030718_000004953097_00334_46038_5962.N1						IS2	V/V	97	46038	334	5.04
ASA_WVS_1PNPDE20101220_031503_000003303097_00334_46038_5983.N1						IS2	V/V	97	46038	334	5.04
ASA_WVS_1PNPDE20101220_030718_000004953097_00334_46038_5962.N1						IS1	V/V	97	46038	334	5.04
ASA_WVS_1PNPDE20101220_034628_000007343097_00334_46038_5981.N1						IS2	V/V	97	46038	334	5.04
ASA_WVS_1PNPDE20101220_040227_000000893097_00335_46039_5978.N1						IS2	V/V	97	46039	335	5.04
ASA_WVS_1PNPDE20101220_044442_000008093097_00335_46039_5991.N1						IS2	V/V	97	46039	335	5.04
ASA_WVS_1PNPDE20101220_045757_000003003097_00335_46039_6000.N1						IS2	V/V	97	46039	335	5.04
ASA_WVS_1PNPDE20101220_051947_000014993097_00335_46039_6016.N1						IS2	V/V	97	46039	335	5.04
ASA_WVS_1PNPDE20101220_062521_000002543097_00336_46040_6014.N1						IS2	V/V	97	46040	336	5.04
ASA_WVS_1PNPDE20101220_063419_000002553097_00336_46040_6013.N1						IS2	V/V	97	46040	336	5.04
ASA_WVS_1PNPDK20101220_063819_000003003097_00336_46040_7822.N1						IS2	V/V	97	46040	336	5.04
ASA_WVS_1PNPDK20101220_070002_000019793097_00336_46040_7825.N1						IS2	V/V	97	46040	336	5.04
ASA_WVS_1PNPDK20101220_081646_000004053097_00337_46041_7837.N1						IS2	V/V	97	46041	337	5.04
ASA_WVS_1PNPDK20101220_084016_000020393097_00337_46041_7848.N1						IS2	V/V	97	46041	337	5.04
ASA_WVS_1PNPDK20101220_094615_000010493097_00338_46042_7953.N1						IS2	V/V	97	46042	338	5.04
ASA_WVS_1PNPDK20101220_102021_000018743097_00338_46042_7954.N1						IS2	V/V	97	46042	338	5.04
ASA_WVS_1PNPDK20101220_112102_000000443097_00339_46043_7938.N1						IS2	V/V	97	46043	339	5.04
ASA_WVS_1PNPDK20101220_112412_000011843097_00339_46043_7940.N1						IS2	V/V	97	46043	339	5.04
ASA_WVS_1PNPDK20101220_120044_000017483097_00339_46043_7950.N1						IS2	V/V	97	46043	339	5.04
ASA_WVS_1PNPDK20101220_125042_000009293097_00340_46044_7988.N1						IS2	V/V	97	46044	340	5.04
ASA_WVS_1PNPDK20101220_134058_000003753097_00340_46044_8001.N1						IS2	V/V	97	46044	340	5.04
ASA_WVS_1PNPDK20101220_143610_000004793097_00341_46045_8030.N1						IS2	V/V	97	46045	341	5.04
ASA_WVS_1PNPDK20101220_145153_000007503097_00341_46045_8032.N1						IS2	V/V	97	46045	341	5.04
ASA_WVS_1PNPDK20101220_152112_000008993097_00341_46045_8035.N1						IS2	V/V	97	46045	341	5.04
ASA_WVS_1PNPDK20101220_162030_000000443097_00342_46046_8053.N1						IS2	V/V	97	46046	342	5.04
ASA_WVS_1PNPDK20101220_162414_000012293097_00342_46046_8055.N1						IS2	V/V	97	46046	342	5.04
ASA_WVS_1PNPDK20101220_170117_000013043097_00342_46046_8058.N1						IS2	V/V	97	46046	342	5.04
ASA_WVS_1PNPDK20101220_175940_000015143097_00343_46047_8091.N1						IS2	V/V	97	46047	343	5.04
ASA_WVS_1PNPDK20101220_184537_000008093097_00343_46047_8095.N1						IS2	V/V	97	46047	343	5.04
ASA_WVS_1PNPDK20101220_193453_000018143097_00344_46048_8121.N1						IS2	V/V	97	46048	344	5.04
ASA_WVS_1PNPDK20101220_202154_000004503097_00344_46048_8124.N1						IS2	V/V	97	46048	344	5.04
ASA_WVS_1PNPDE20101220_211245_000019643097_00345_46049_6126.N1						IS2	V/V	97	46049	345	5.04
ASA_WVS_1PNPDE20101220_220221_000002393097_00345_46049_6123.N1						IS2	V/V	97	46049	345	5.04
ASA_WVS_1PNPDE20101220_220521_000008543097_00345_46049_6135.N1						IS2	V/V	97	46049	345	5.04
ASA_WVS_1PNPDE20101220_220221_000002393097_00345_46049_6123.N1						IS1	V/V	97	46049	345	5.04
ASA_WVS_1PNPDE20101220_223421_000001053097_00346_46050_6133.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_225216_000013943097_00346_46050_6139.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_232035_000003003097_00346_46050_6141.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_234221_000003303097_00346_46050_6142.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6161.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6166.N1						IS2	V/V	97	46050	346	5.04
ASA_WVS_1PNPDE20101220_234706_000012593097_00346_46050_6173.N1						IS2	V/V	97	46050	346	5.04

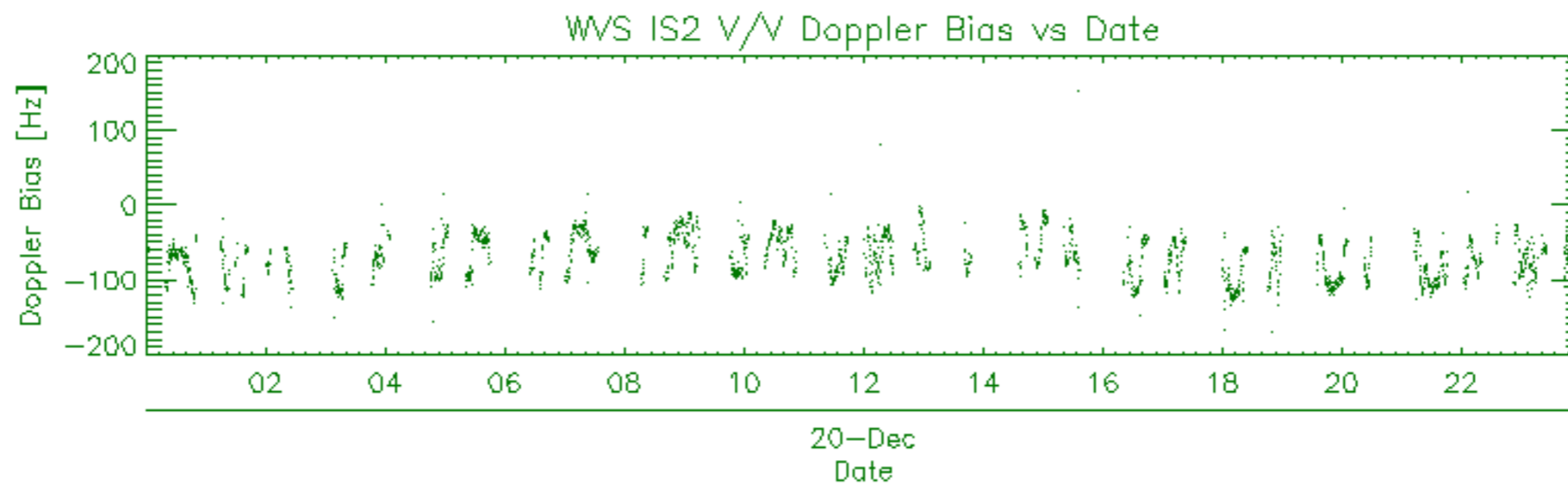
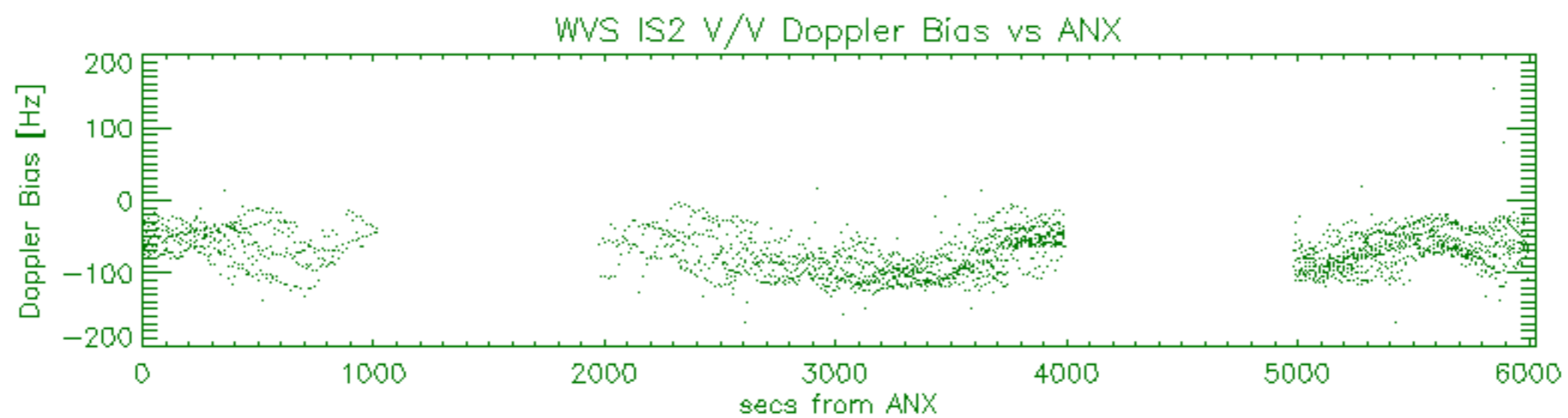
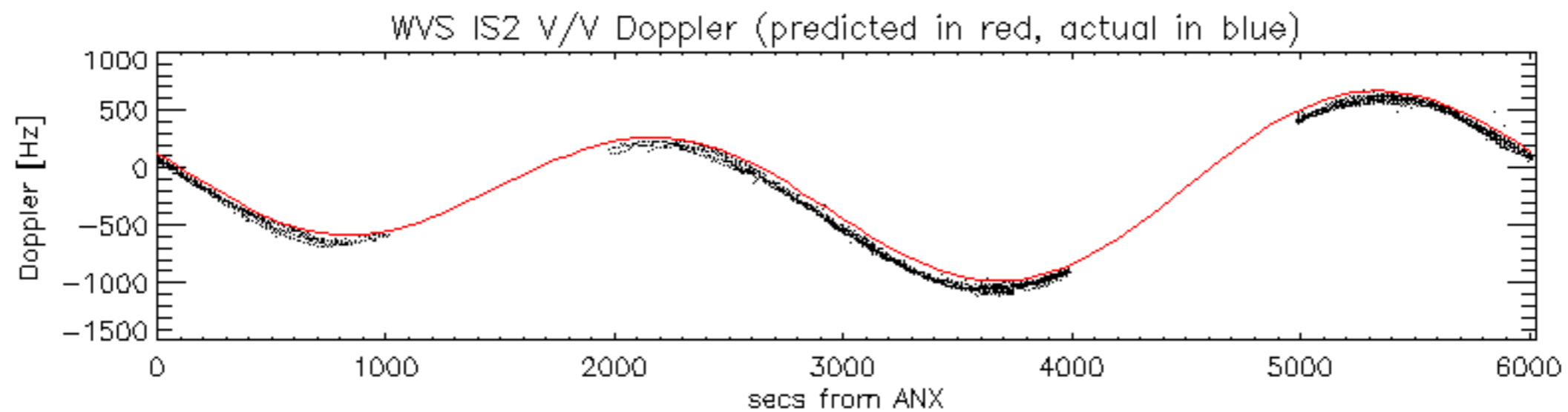


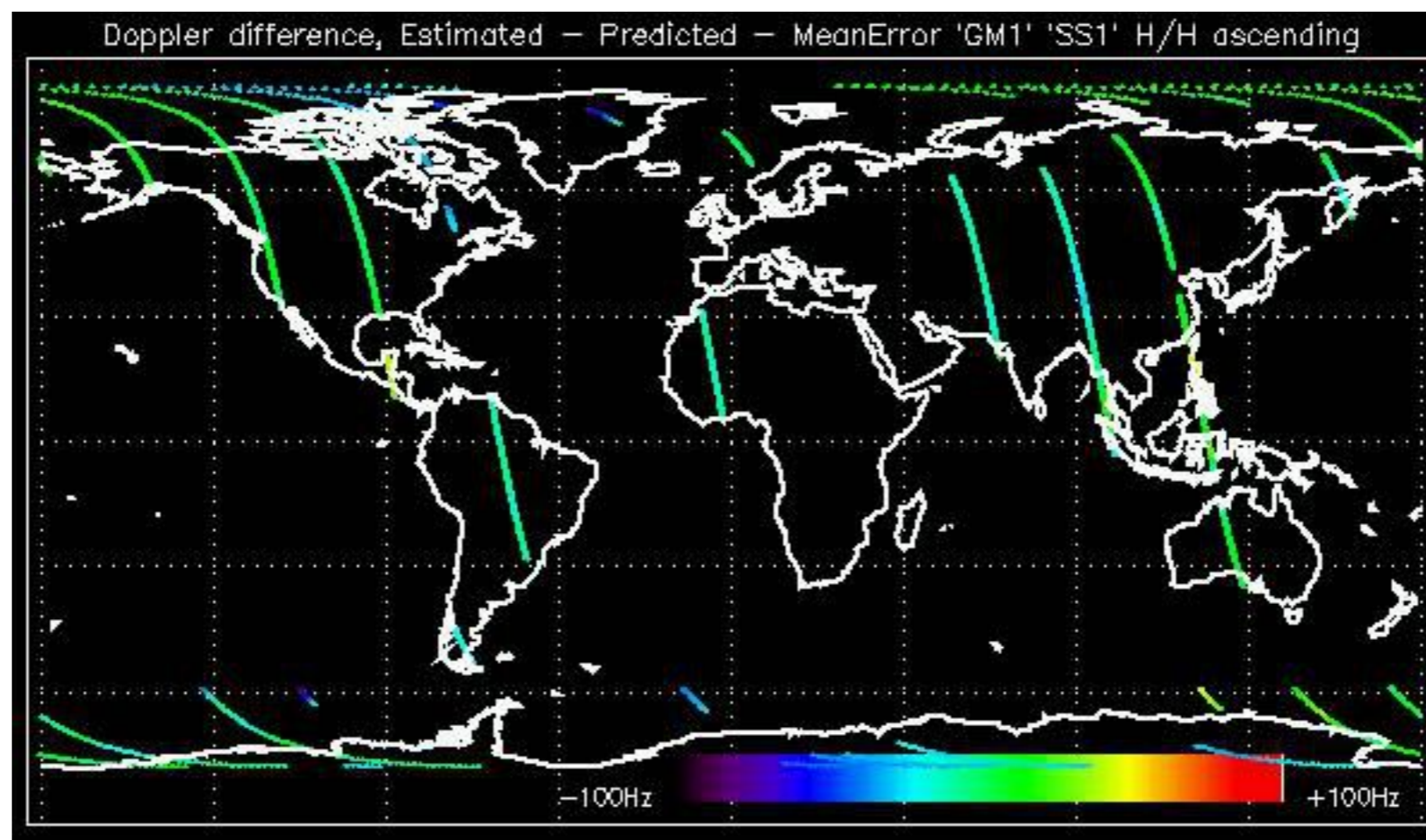




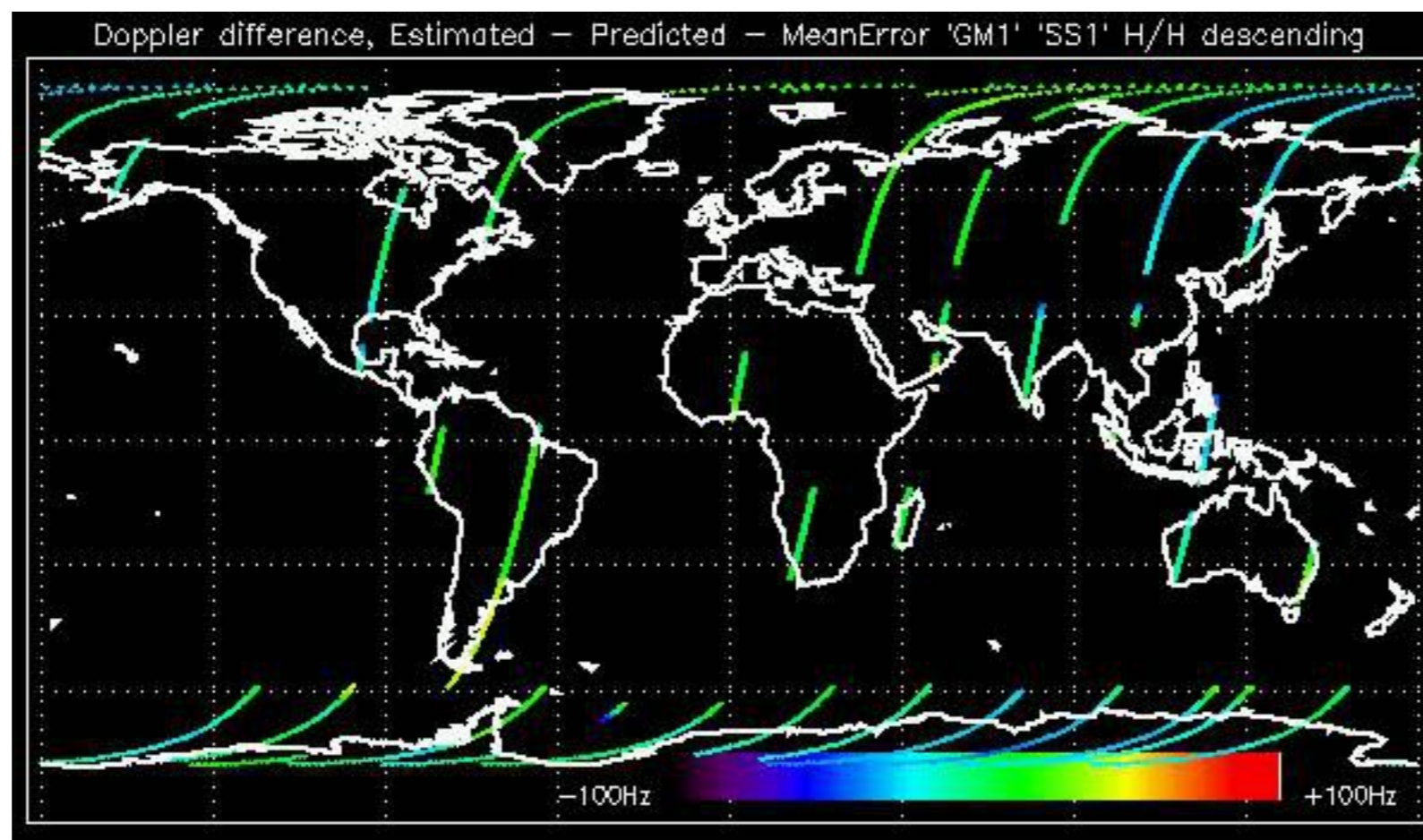


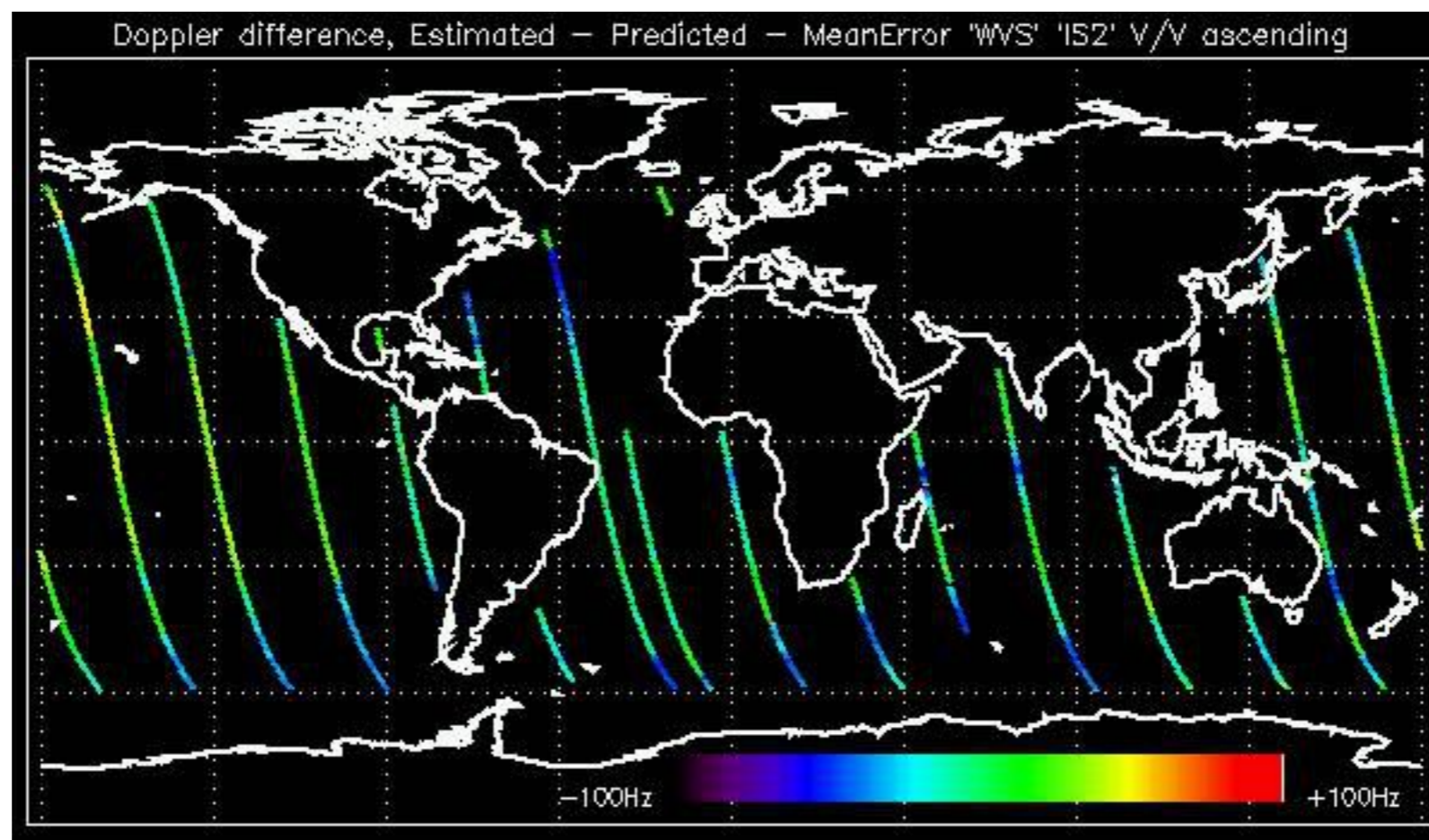


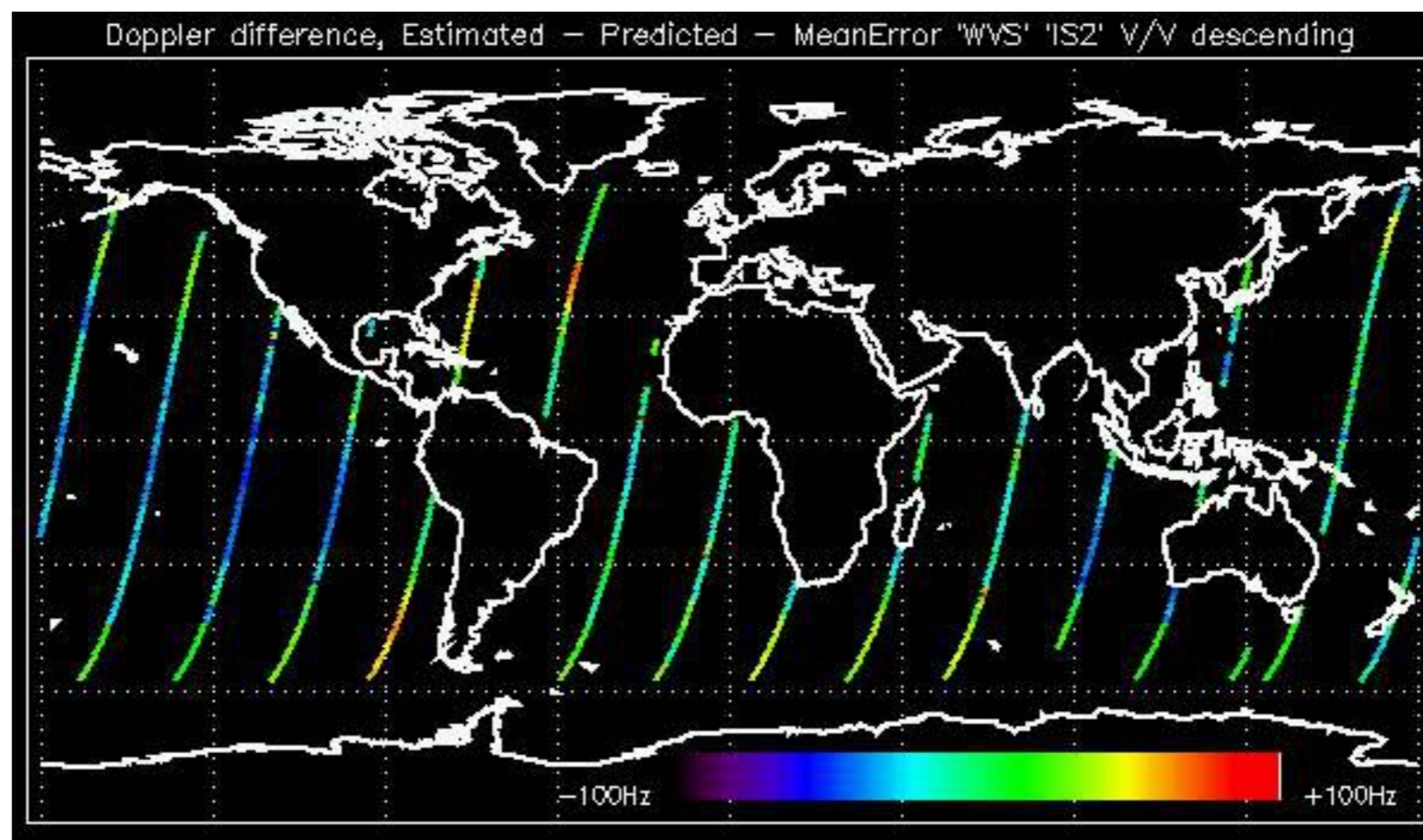


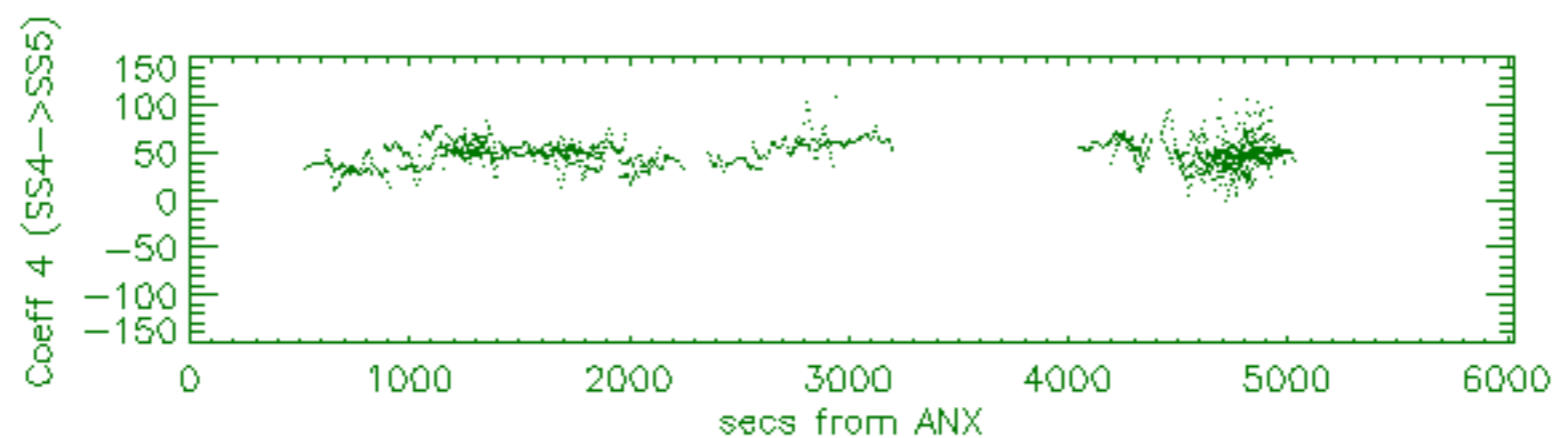
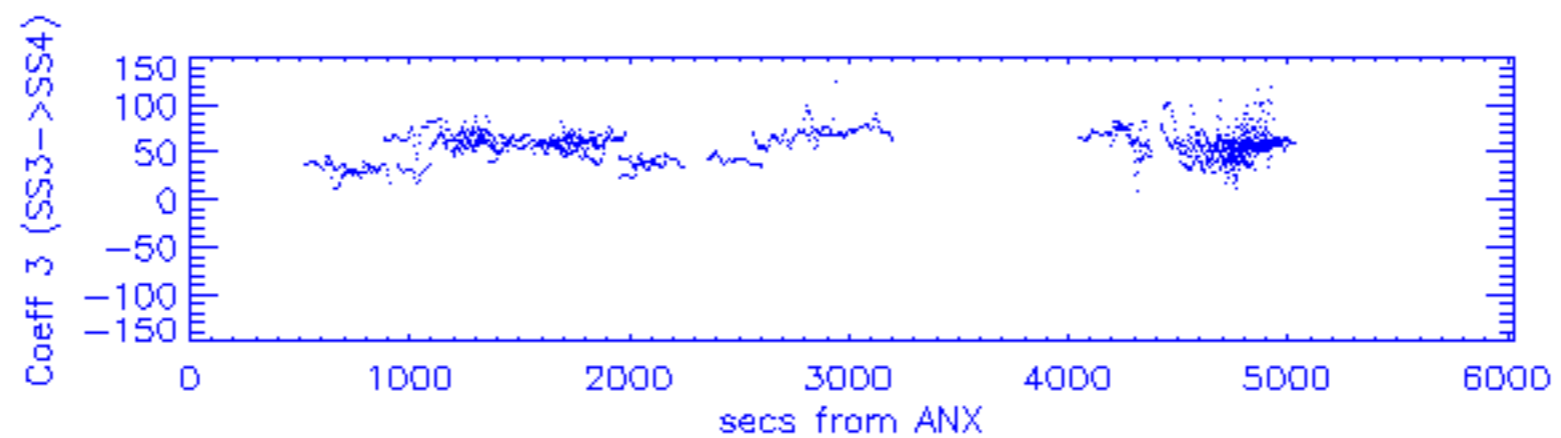
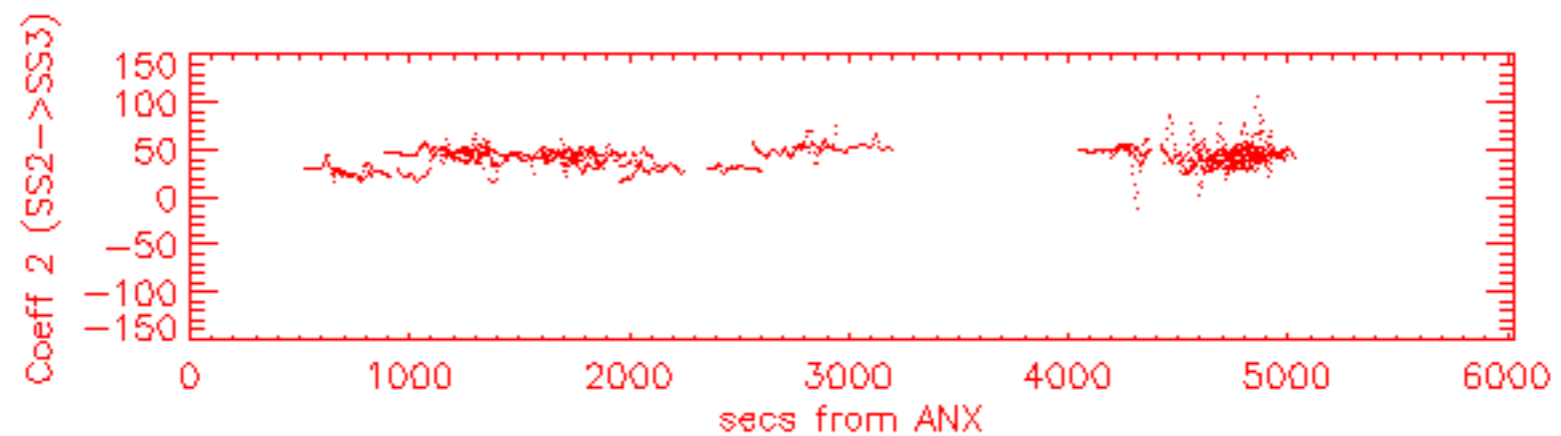
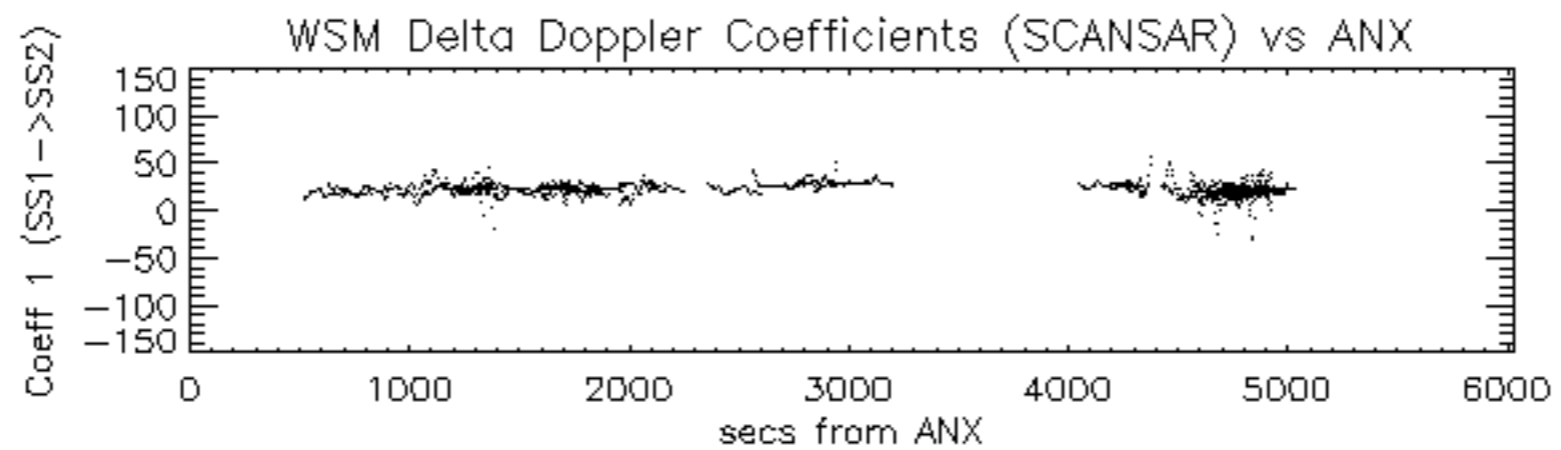


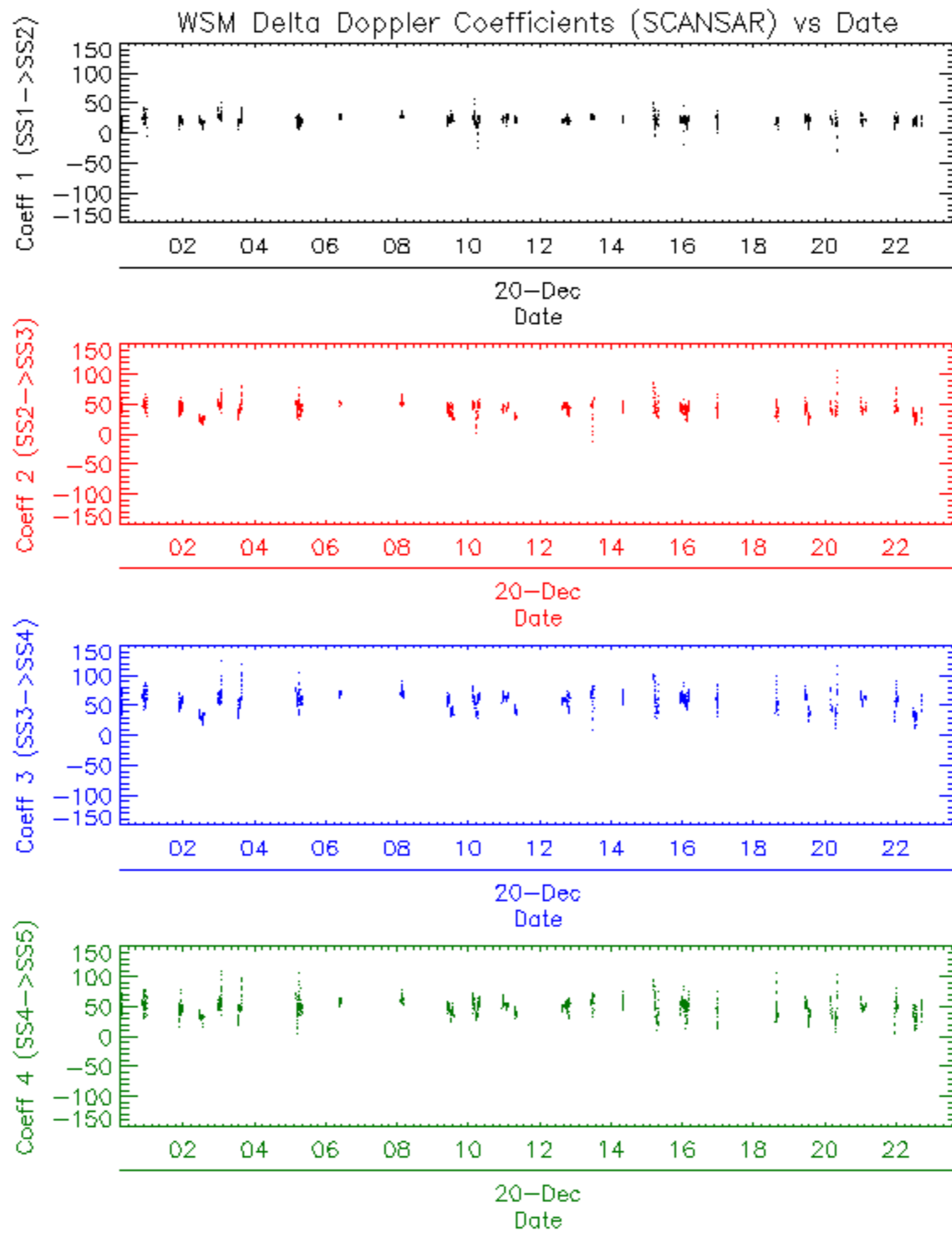




















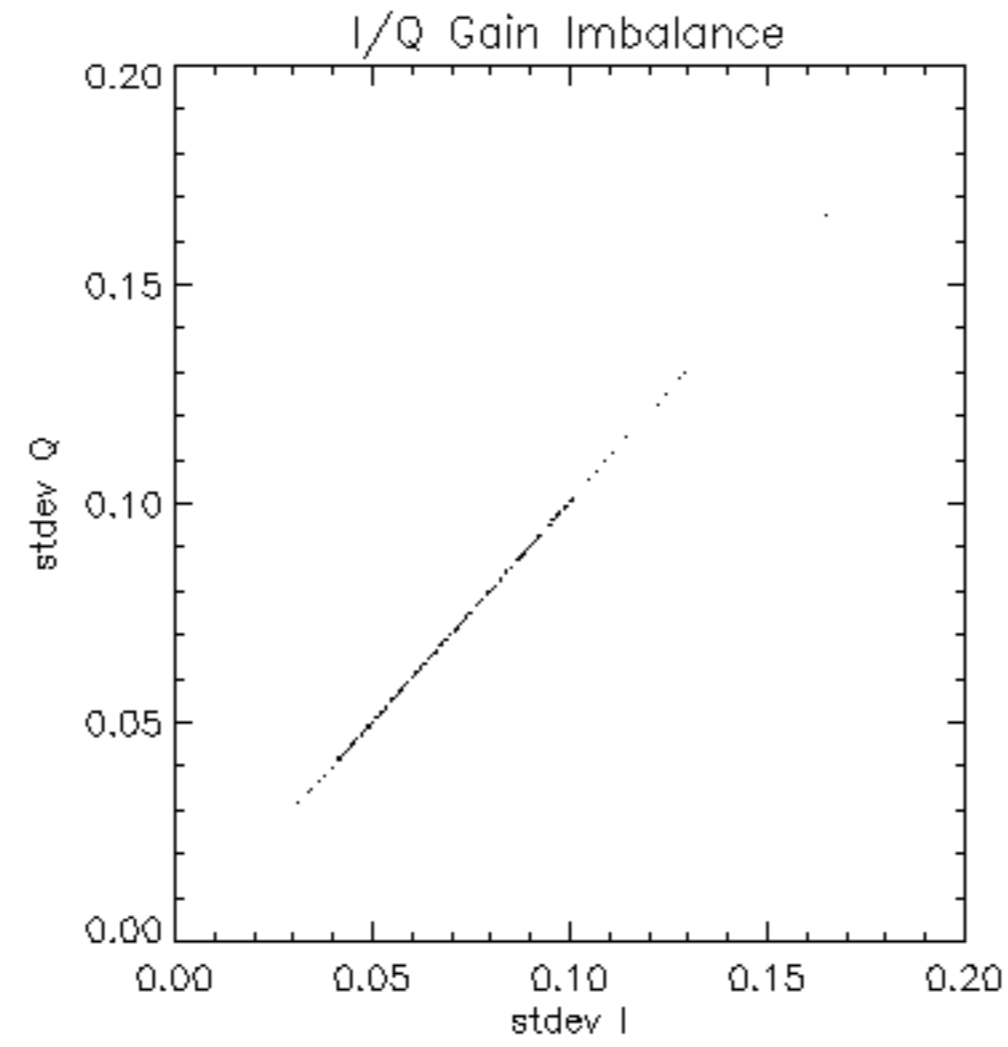


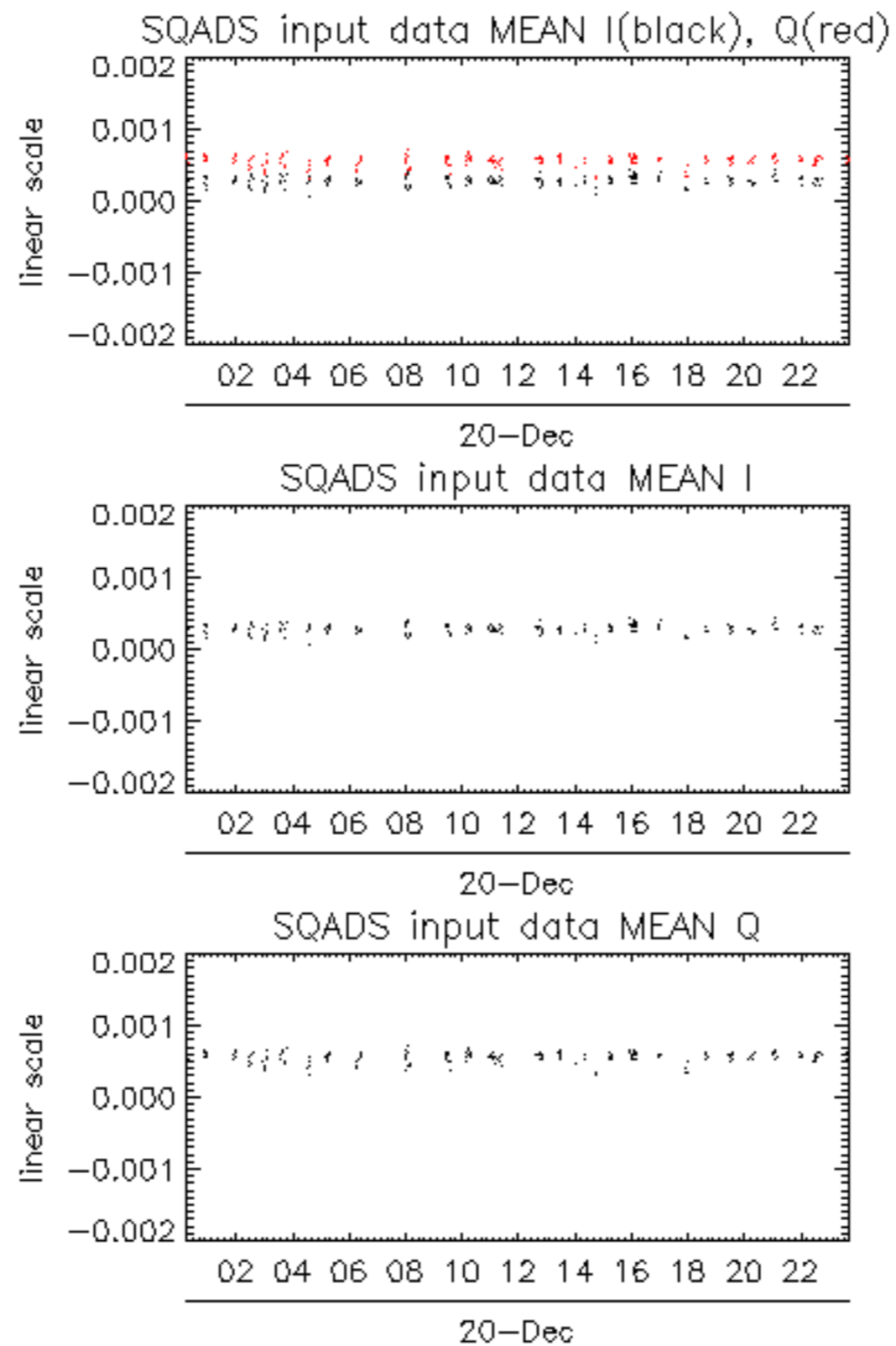


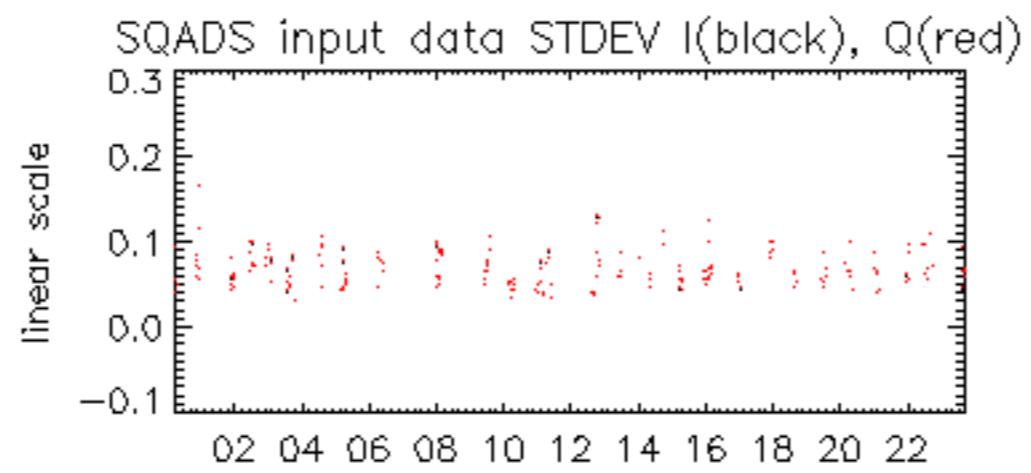




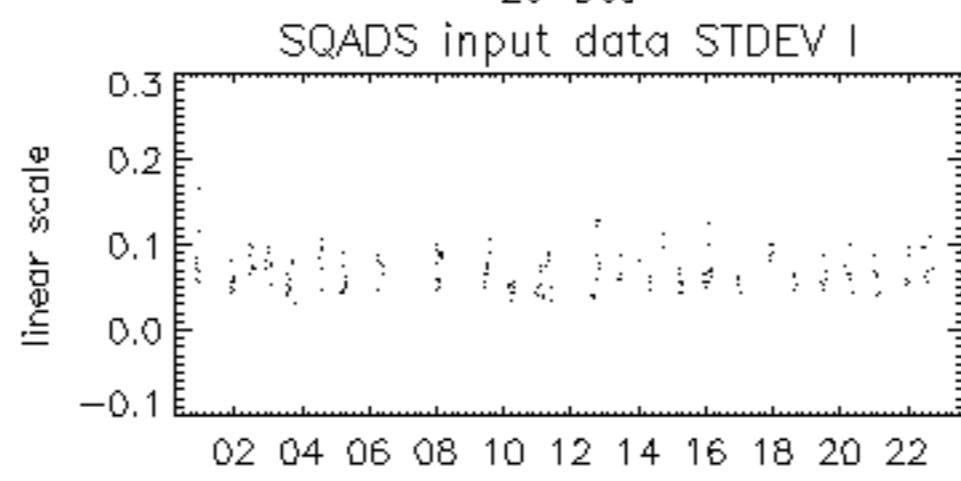




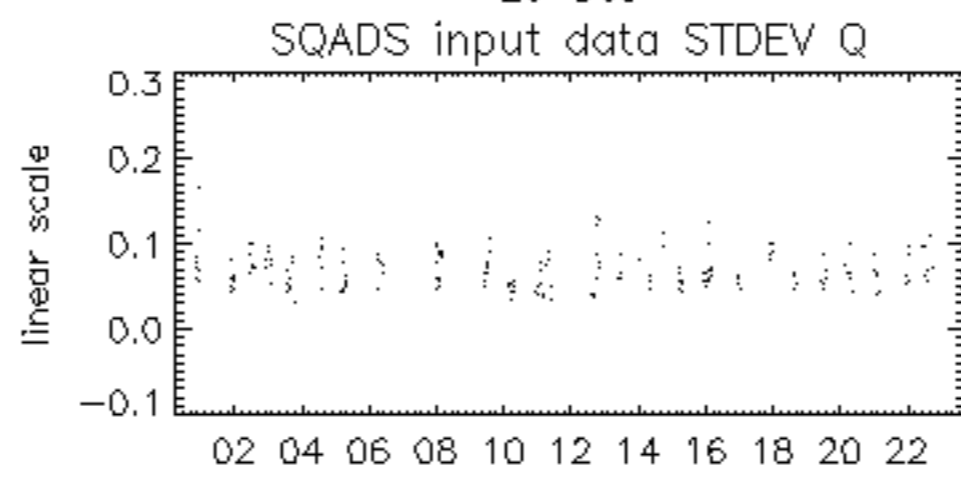




20-Dec



20-Dec



20-Dec



