



Analysis from 27-OCT-2010 00:00:00 to 27-OCT-2010 23:59:59. Page generated on 03-NOV-2010 17:15:03.  
View log file: ASAR\_Daily\_Report\_20101103\_1714.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.

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## 1 - DATA SUMMARY

### 1.1 - Summary tables

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WVS				GM1				APM				IMM				WSM				MS			
Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Beam	Pol	#	Center	Time	Pol	Modules
				PDE	WS	H/H	33					PDK	IS2	V/V	1					PDE	2010-10-27 03:01:47	H	320
				PDK	WS	H/H	45					PDK	IS4	V/V	1					PDE	2010-10-27 04:42:01	V	320
																				PDE	2010-10-27 21:24:23	V	320
																				PDE	2010-10-27 23:04:37	H	320
																				PDK	2010-10-27 06:22:16	H	320
																				PDK	2010-10-27 08:02:30	V	320
																				PDK	2010-10-27 09:42:44	H	320
																				PDK	2010-10-27 11:22:58	V	320
																				PDK	2010-10-27 13:03:12	H	320
																				PDK	2010-10-27 14:43:26	V	320
																				PDK	2010-10-27 16:23:41	H	320
																				PDK	2010-10-27 18:03:55	V	320
																				PDK	2010-10-27 19:44:09	H	320

## 1.2 - Lists of products used

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

[[TXT](#)] [[XLS](#)] [List\\_IMM\\_products\\_used](#)

[[TXT](#)] [[XLS](#)] [List\\_MS\\_products\\_used](#)

## 2 - AUXILIARY FILES ANALYSIS

### 2.1 - IECF operational ADFs list

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ADFs disseminated for ASAR
ASA_CON_AXVIEC20100608_125449_20100317_120410_20101231_000000
ASA_INS_AXVIEC20101018_101437_20101022_000000_20101231_235959
ASA_XCH_AXVIEC20091217_113006_20020301_000000_20101231_000000
ASA_XCA_AXVIEC20100608_123419_20100317_120410_20110101_000000

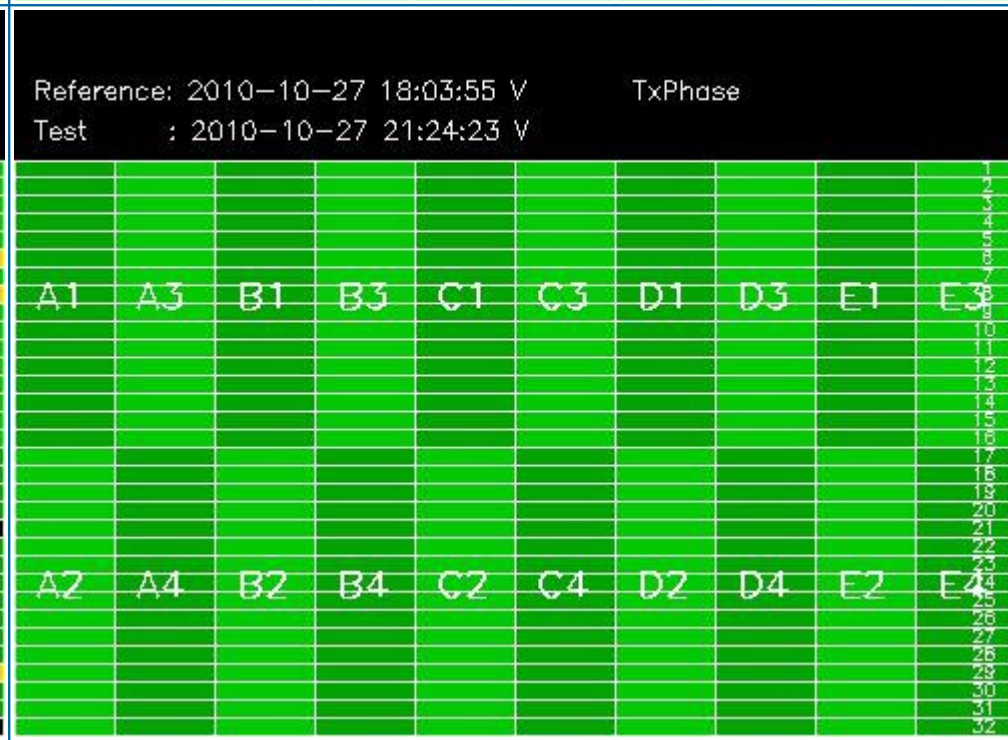
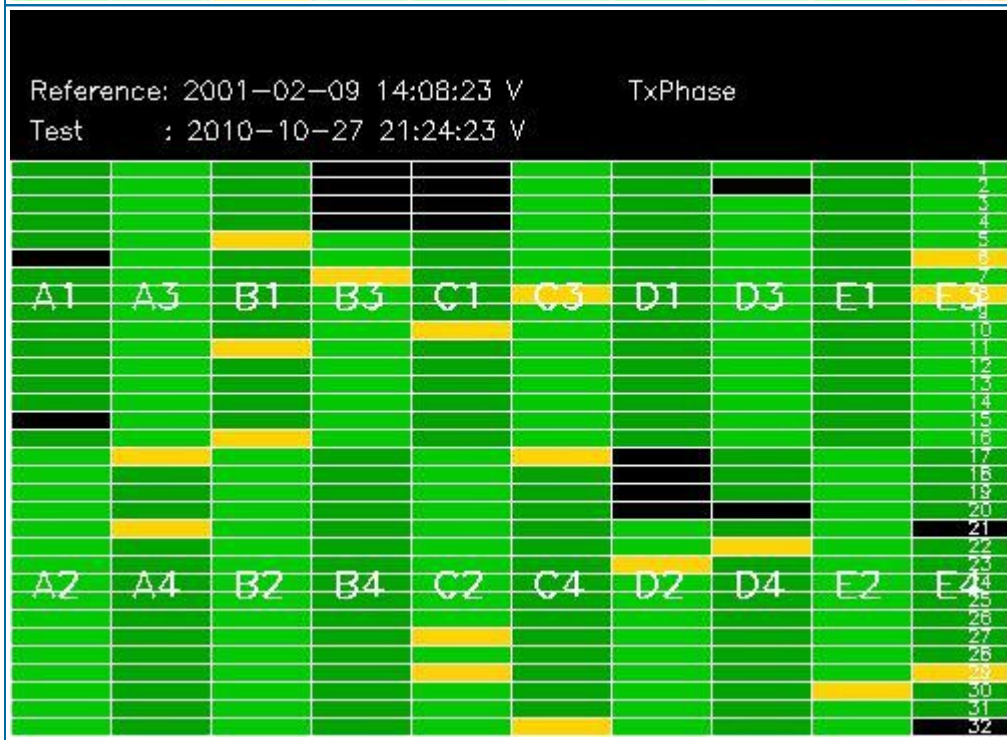
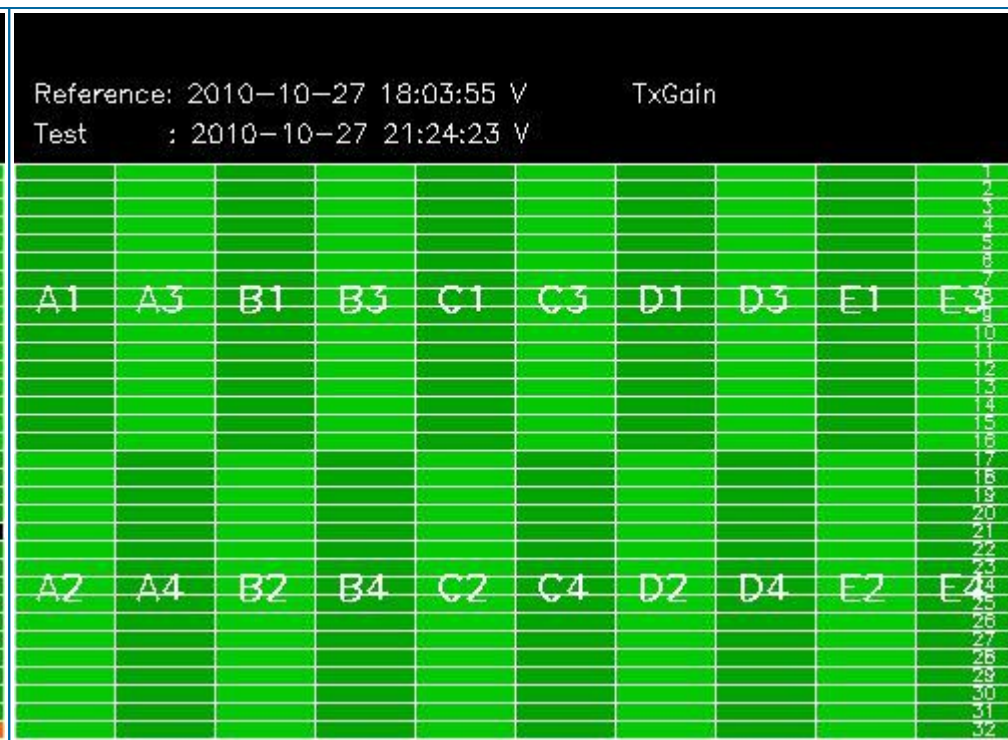
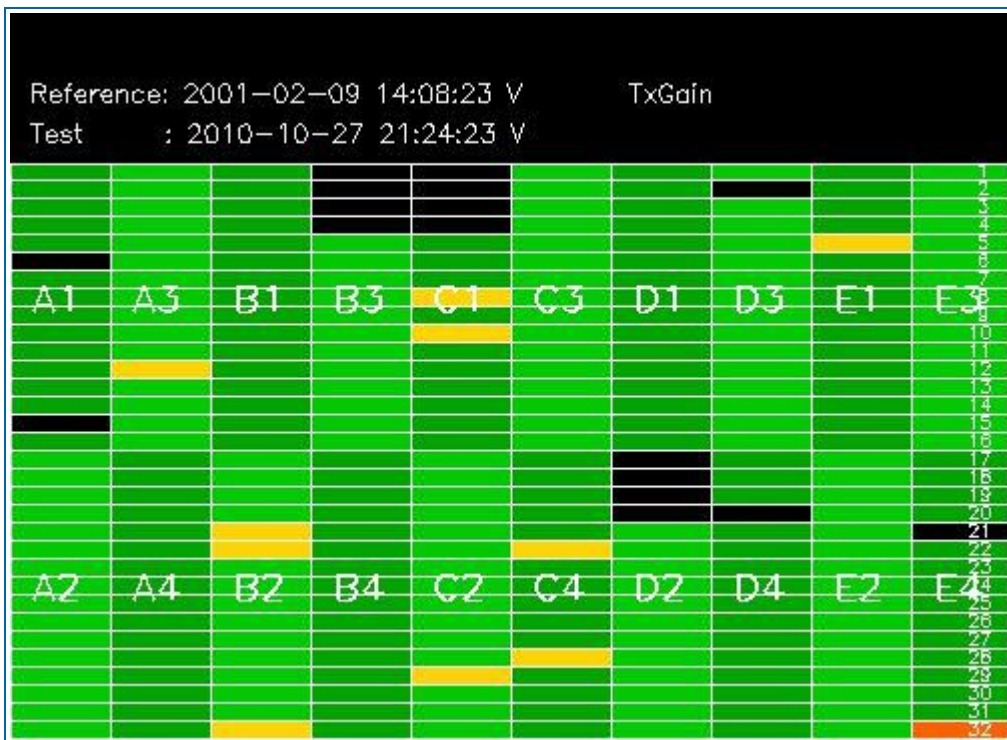
### 2.2 - Products with wrong ADFs

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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	5	0	0

### 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 : 2010-10-27 21:24:23 V RxGain										Reference: 2010-10-27 18:03:55 V Test : 2010-10-27 21:24:23 V 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
Reference: 2001-02-09 14:08:23 V Test : 2010-10-27 21:24:23 V RxPhase										Reference: 2010-10-27 18:03:55 V Test : 2010-10-27 21:24:23 V RxPhase									
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



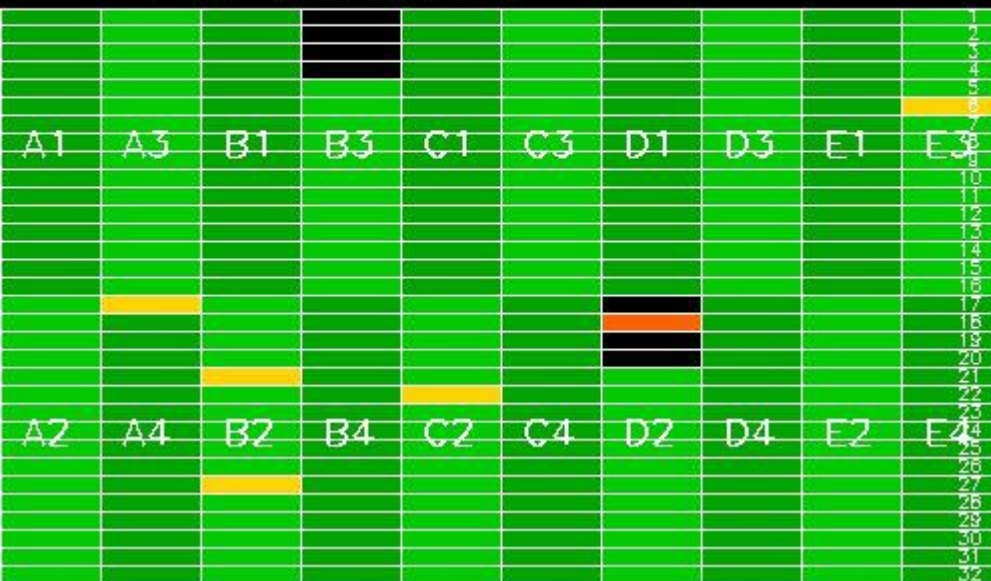
### 3.2 - H/H polarisation

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

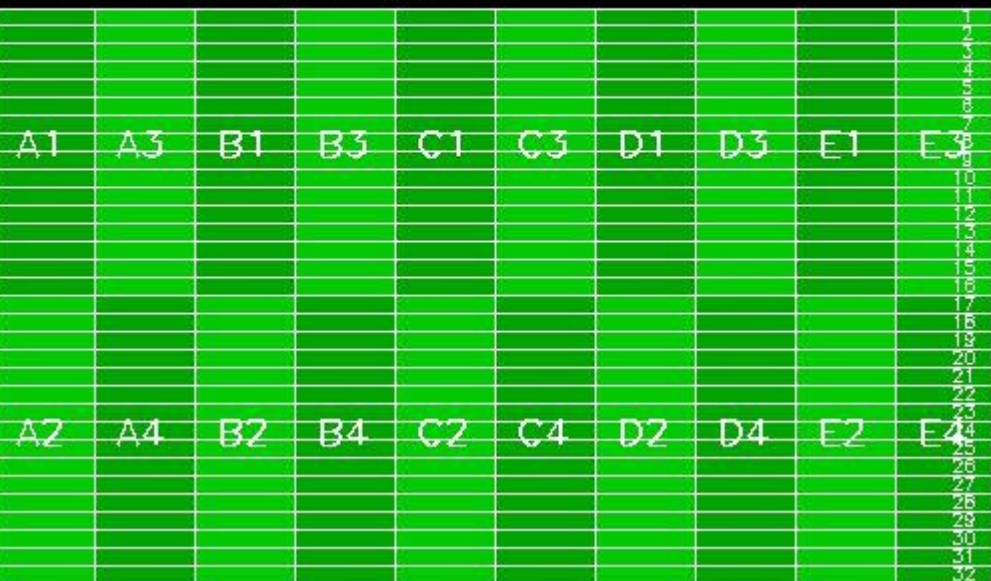
Reference: 2001-02-09 13:50:42 H RxGain

Test : 2010-10-27 23:04:37 H



Reference: 2010-10-27 19:44:09 H RxGain

Test : 2010-10-27 23:04:37 H



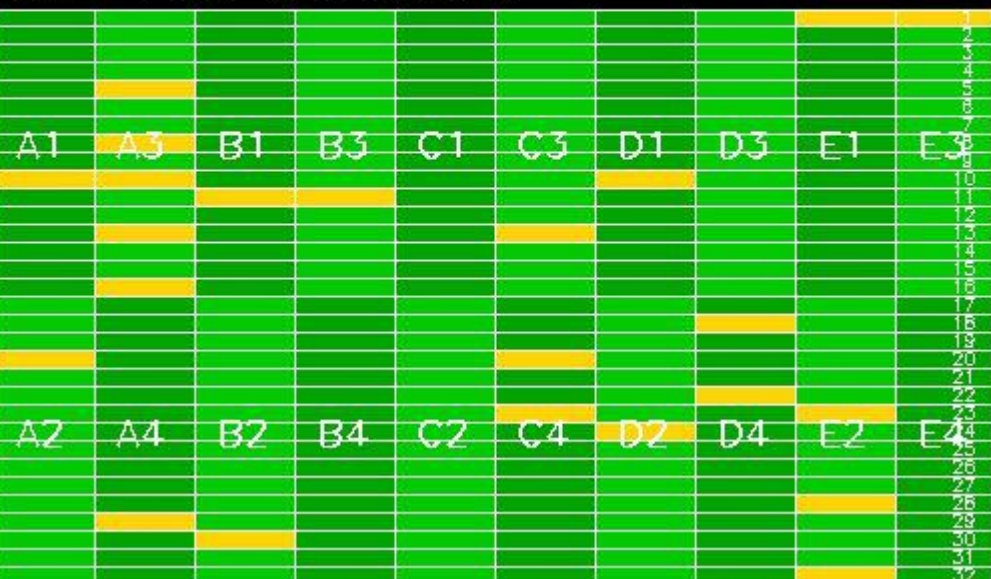
Reference: 2001-02-09 13:50:42 H RxPhase

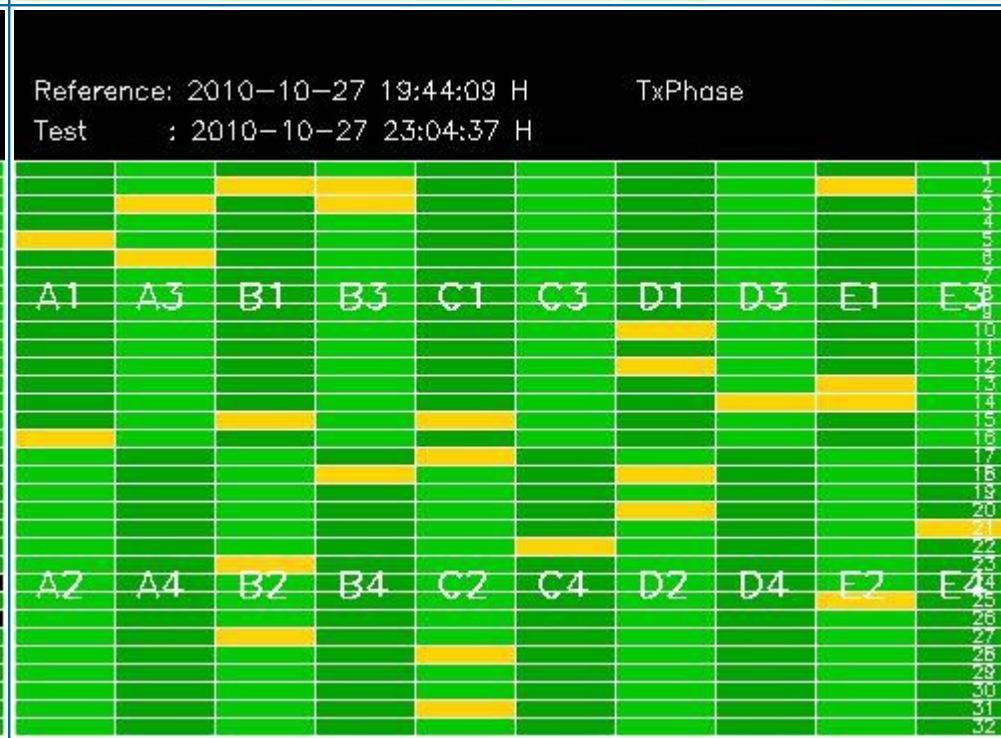
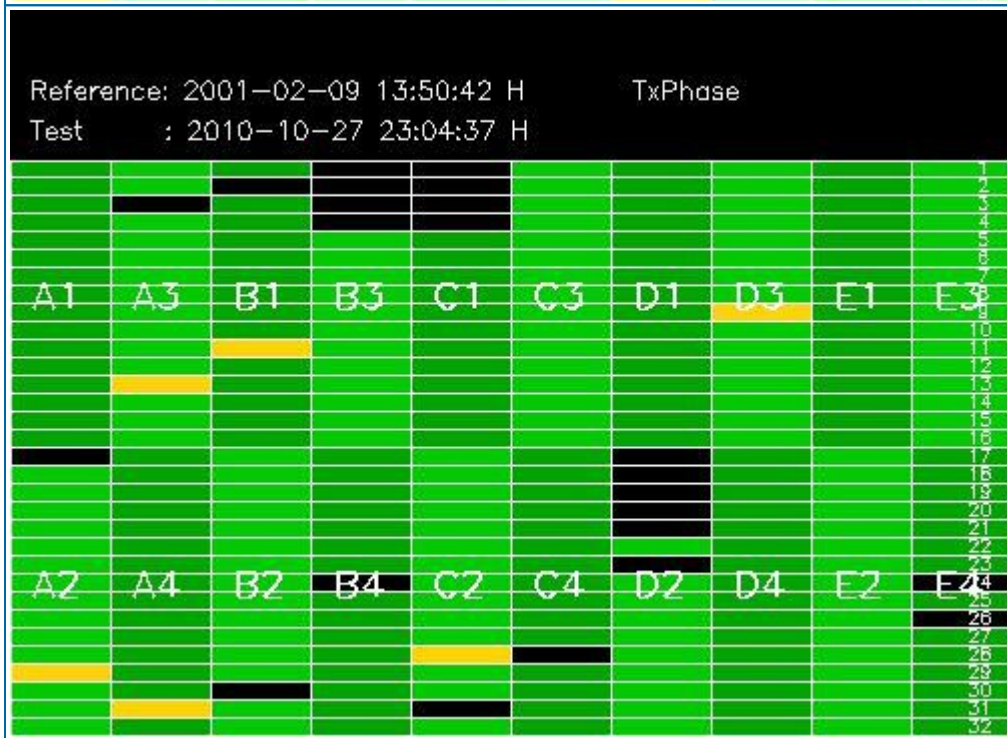
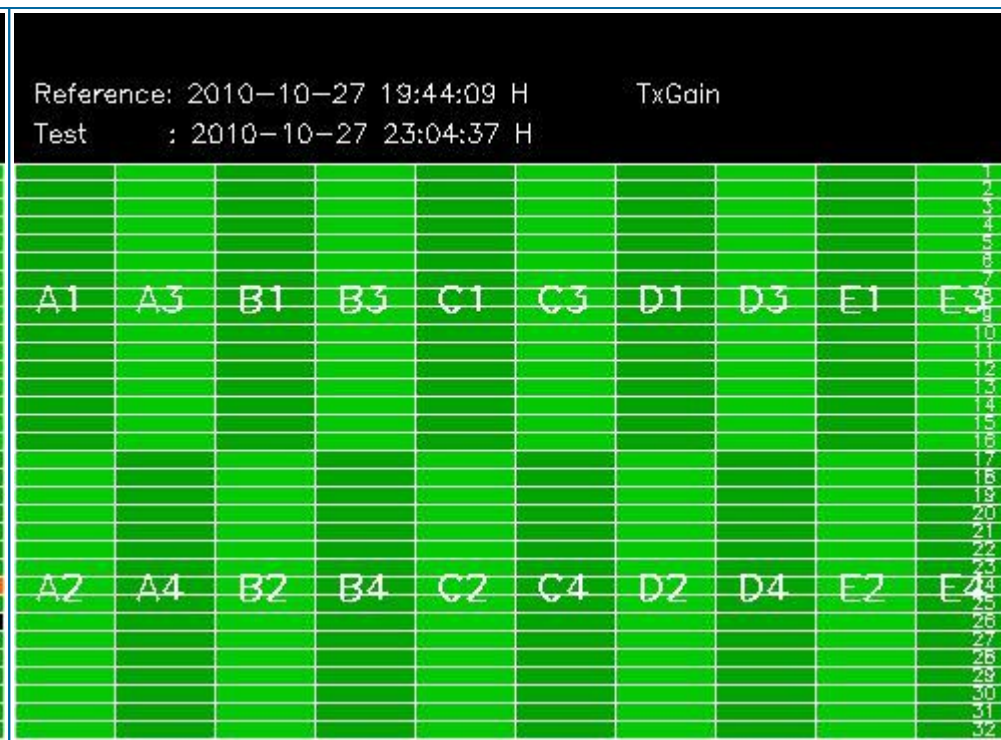
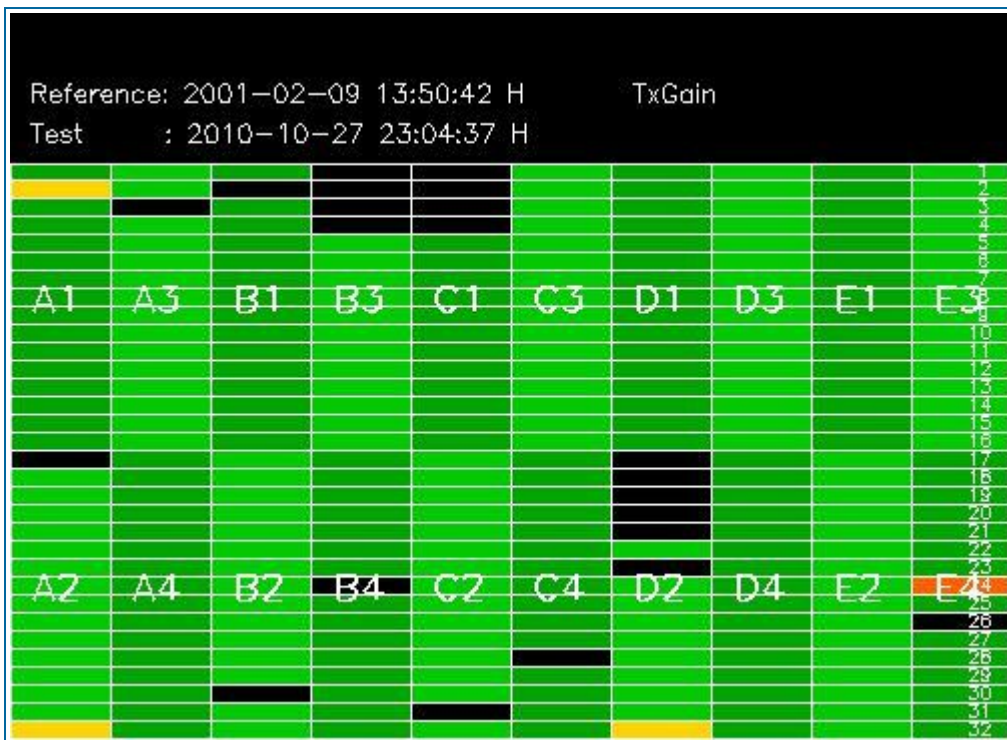
Test : 2010-10-27 23:04:37 H



Reference: 2010-10-27 19:44:09 H RxPhase

Test : 2010-10-27 23:04:37 H





## 4 - CALIBRATION PULSES ANALYSIS

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

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

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



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



#### 4.1.2 - All Rows Analysis for WVS IS2 V/V

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## 4.2 - Analysis for GM1 SS3 H/H

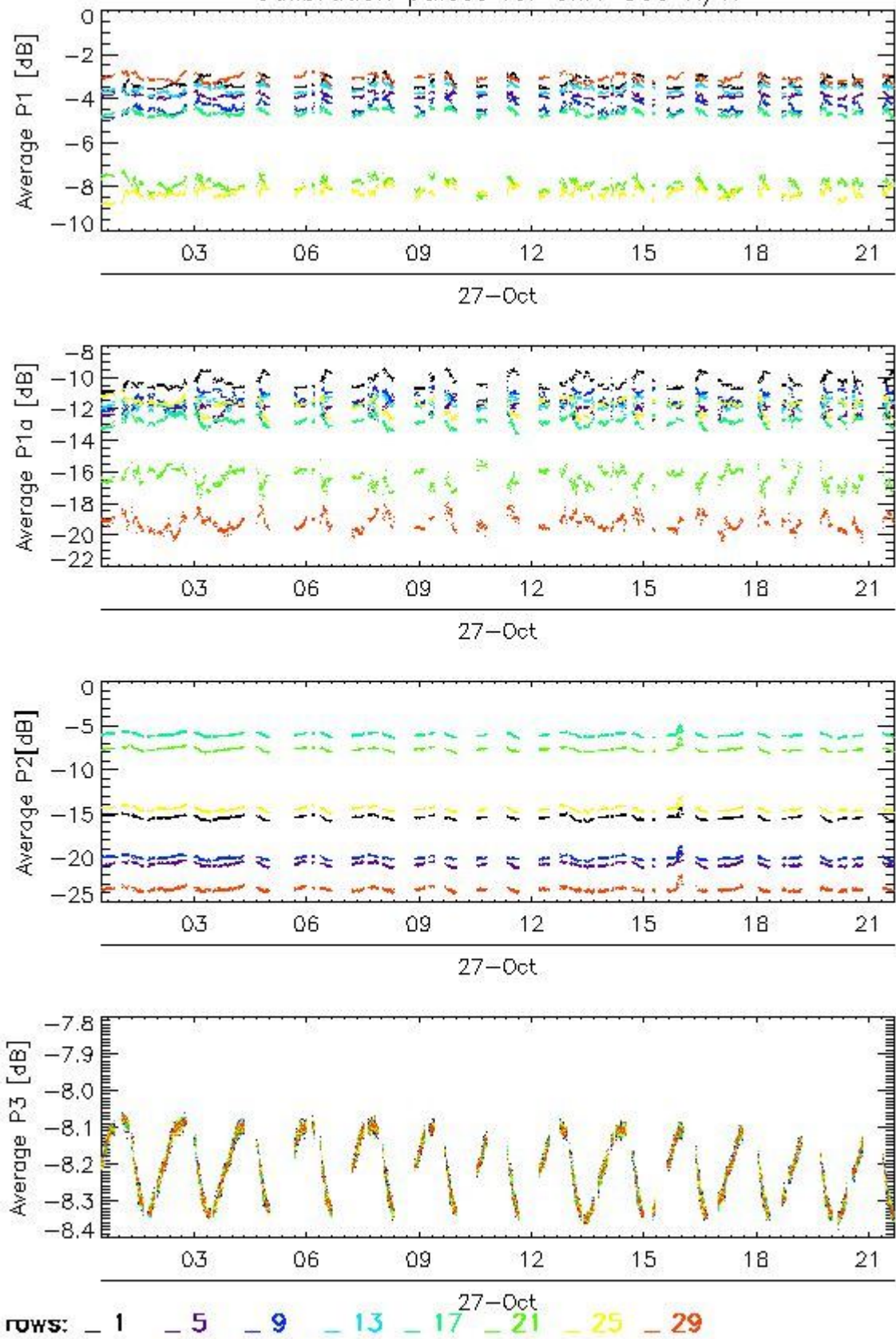
### 4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

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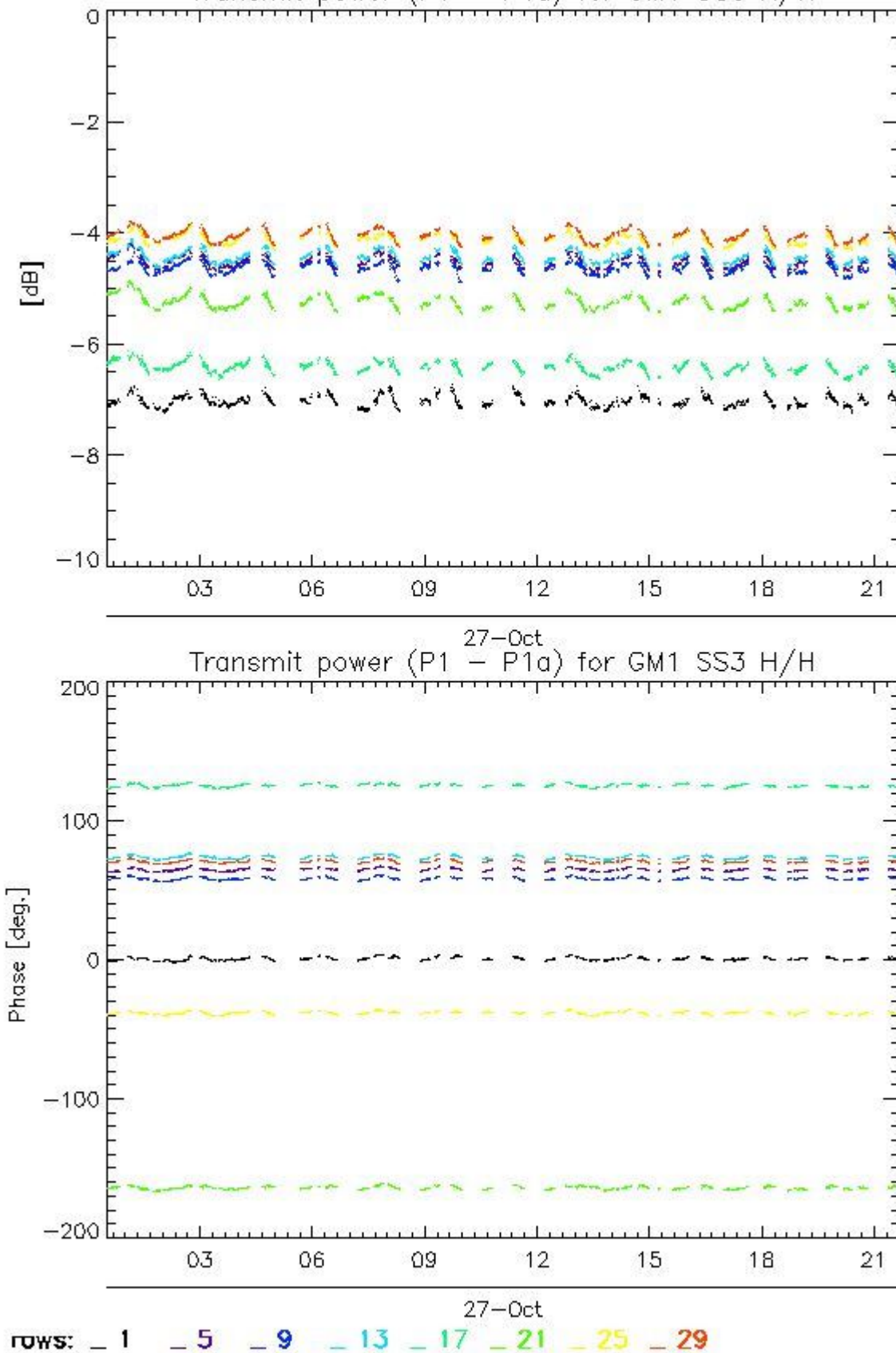
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for GM1 SS3 H/H

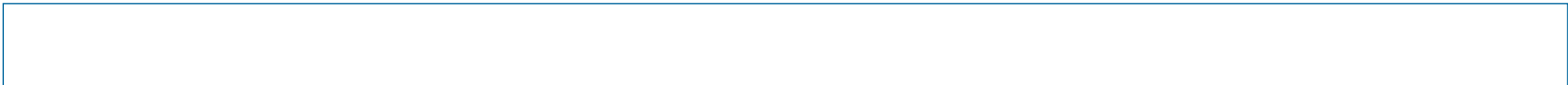


Transmit power (P1 - P1a) for GM1 SS3 H/H

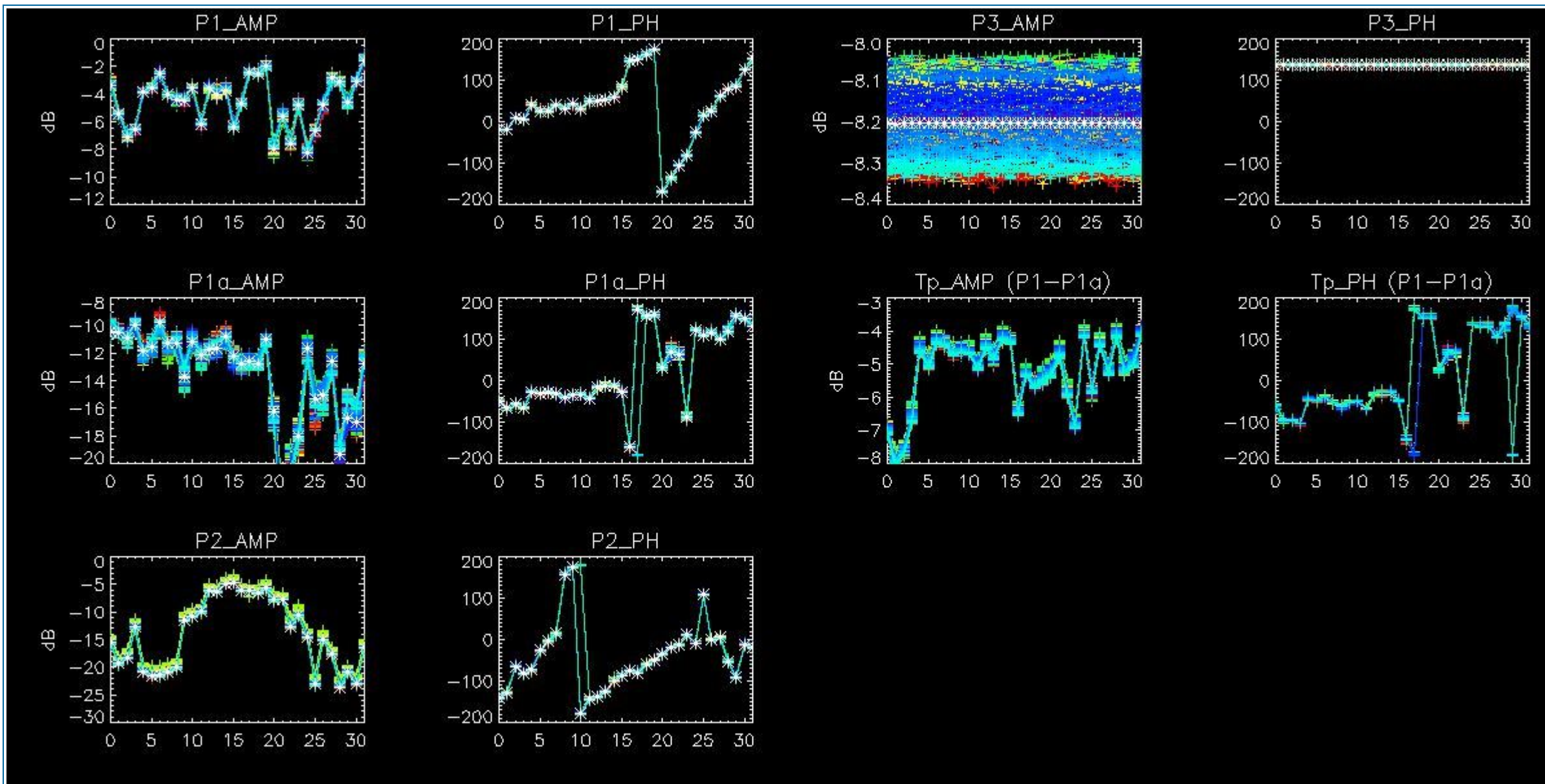


#### 4.2.2 - All Rows Analysis for GM1 SS3 H/H

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## 5 - DOPPLER ANALYSIS

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

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

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

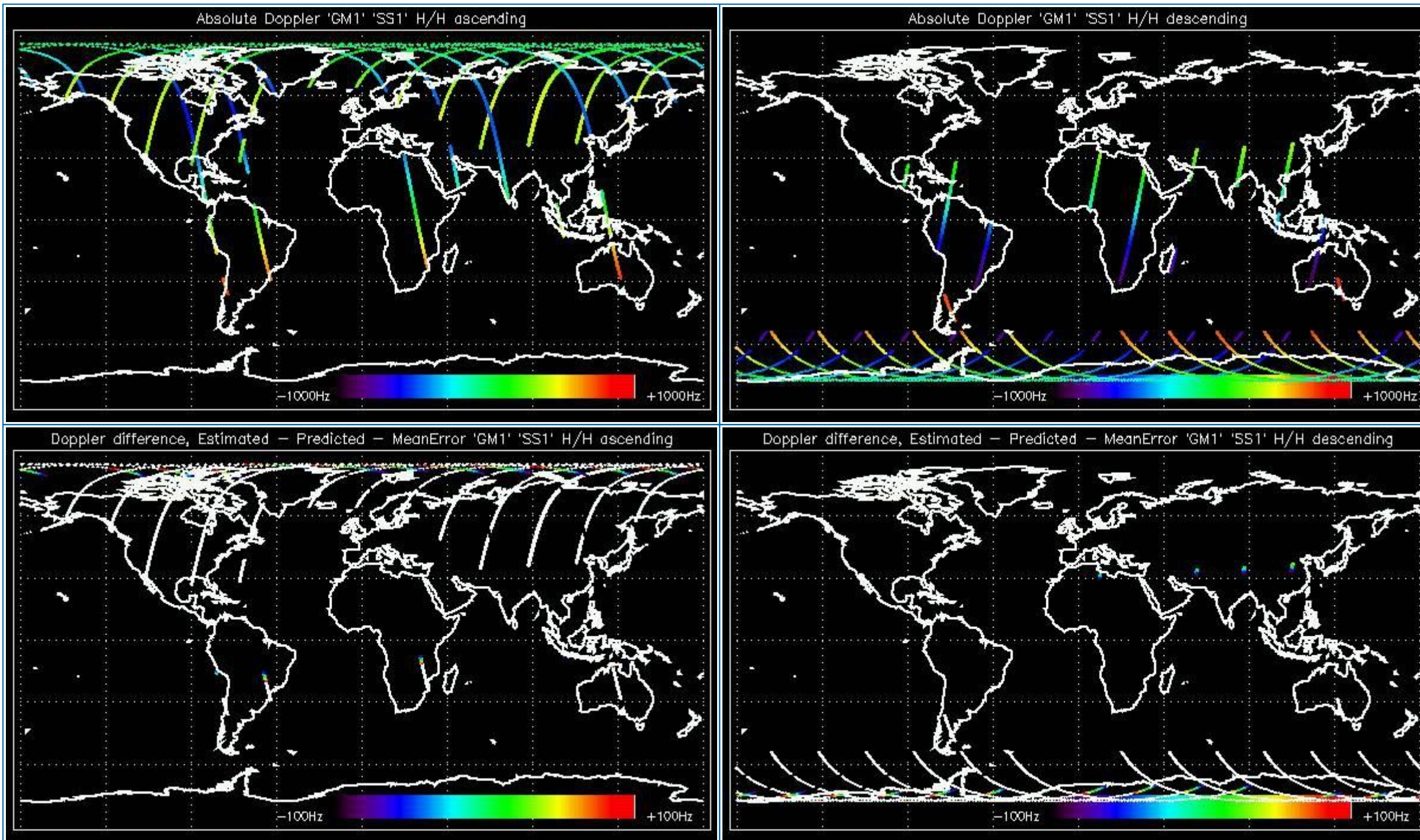
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### 5.2 - Analysis for GM1 SS1 H/H

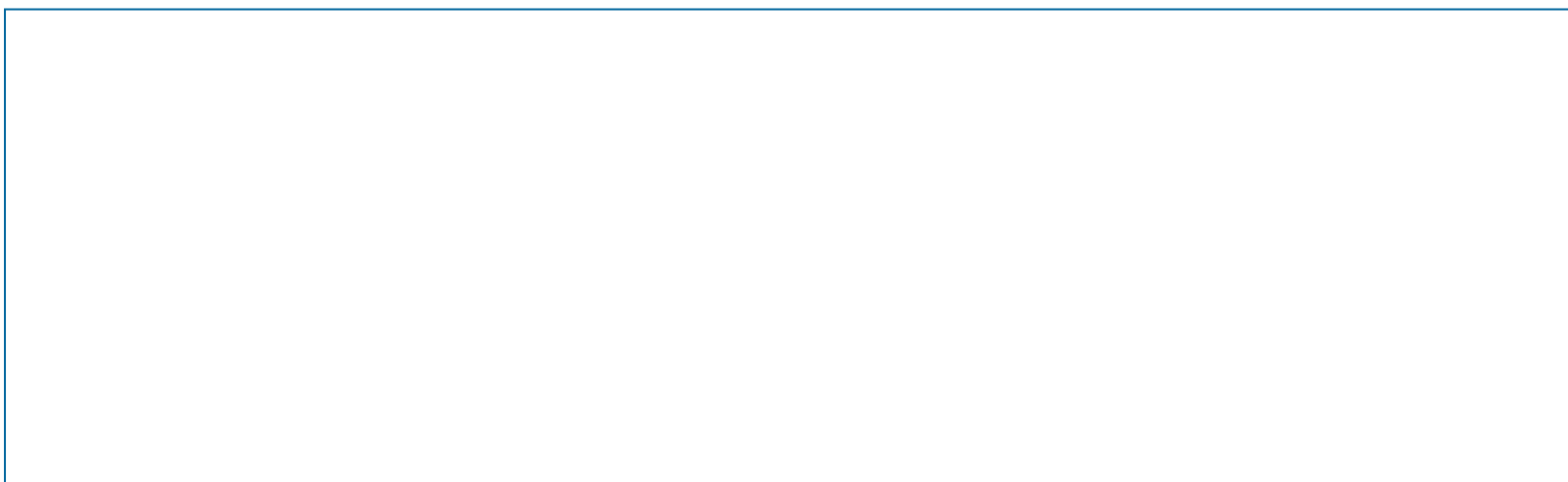
#### 5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

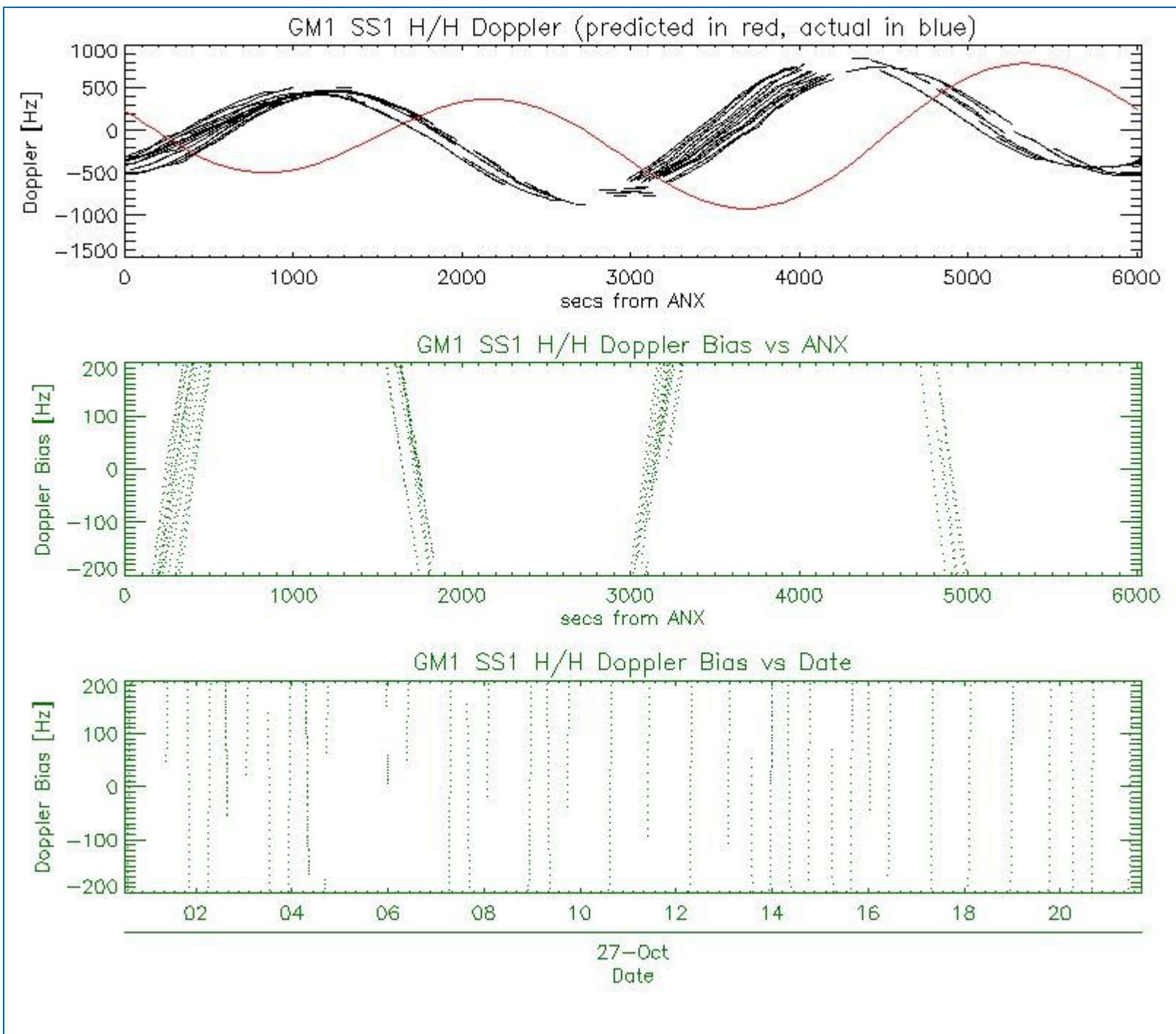
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### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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### 5.3 - Doppler JUMPS Analysis for WSM

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## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

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### 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

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## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

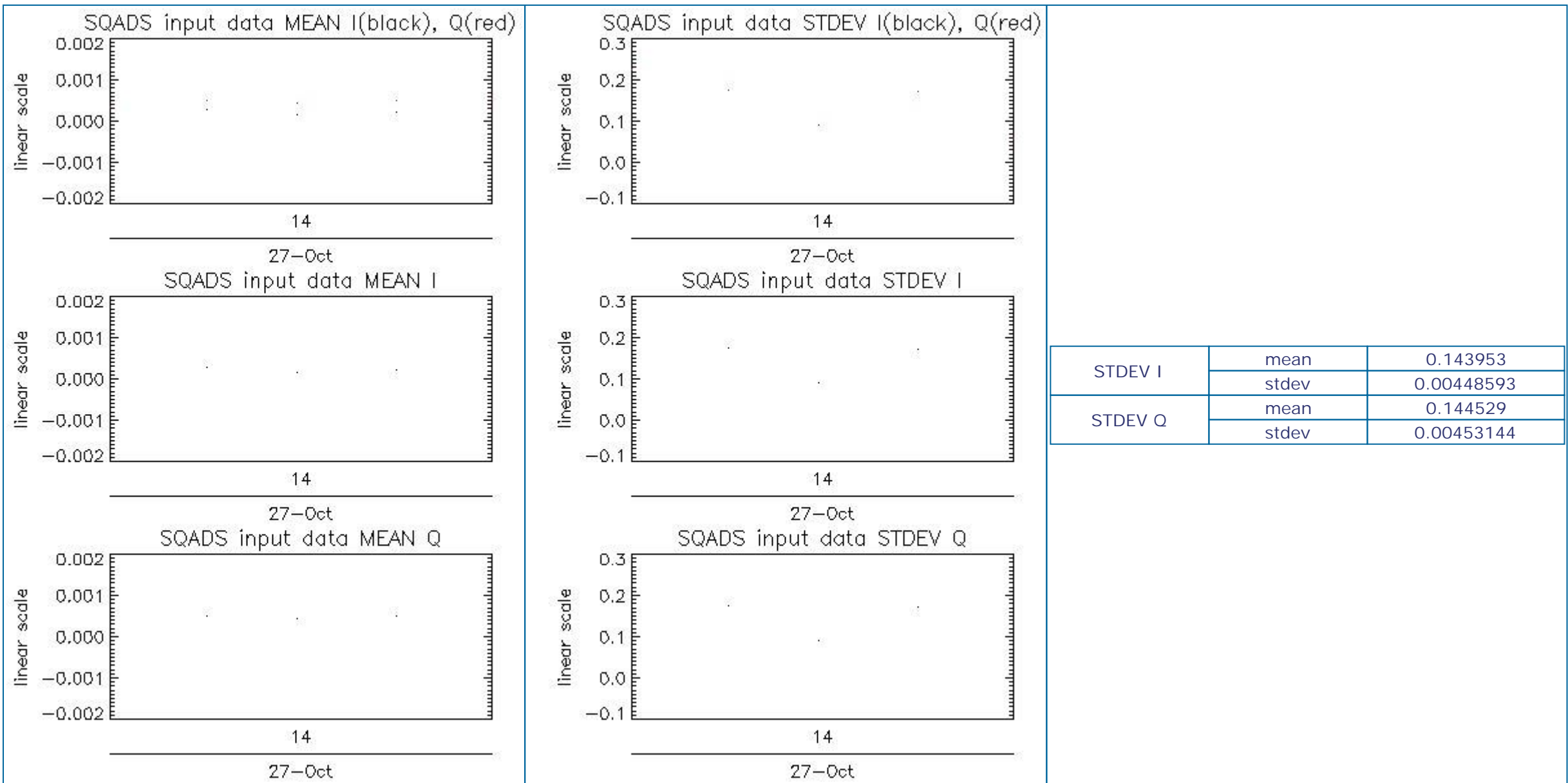
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Channel	Statistics	DSS-B
MEAN I	mean	
	stdev	
MEAN Q	mean	
	stdev	
Channel	Statistics	DSS-B
STDEV I	mean	
	stdev	
STDEV Q	mean	
	stdev	

### 7.2 - Analysis for IMM

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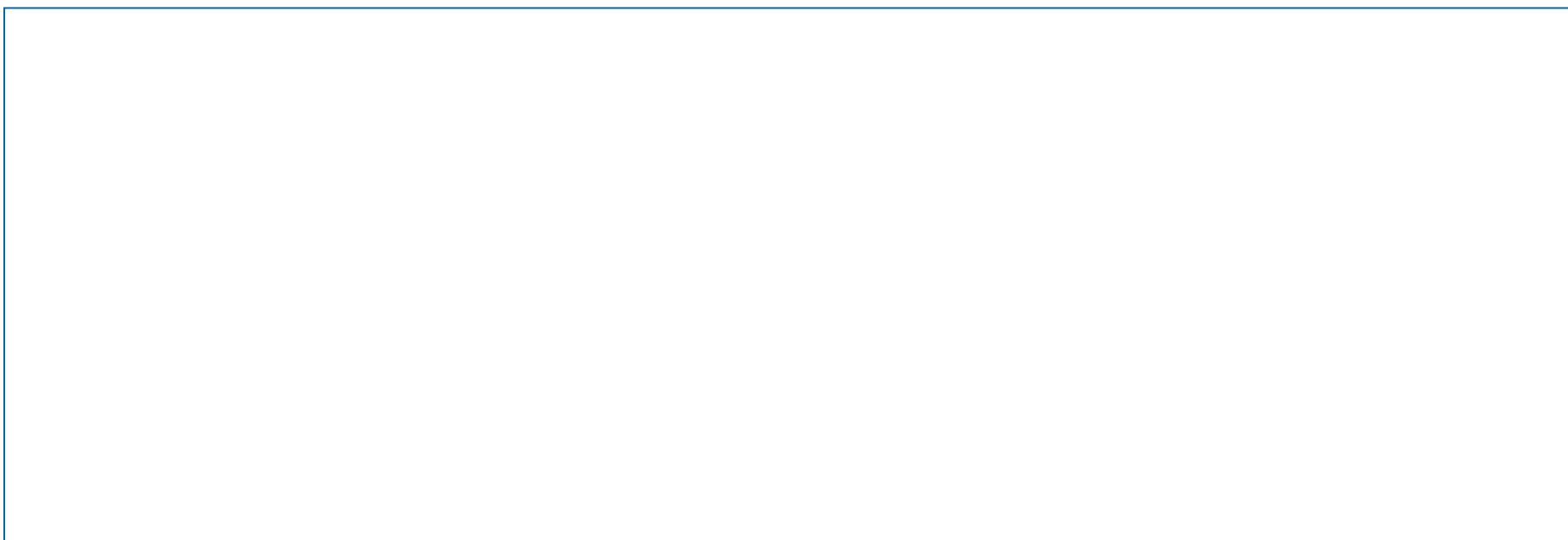


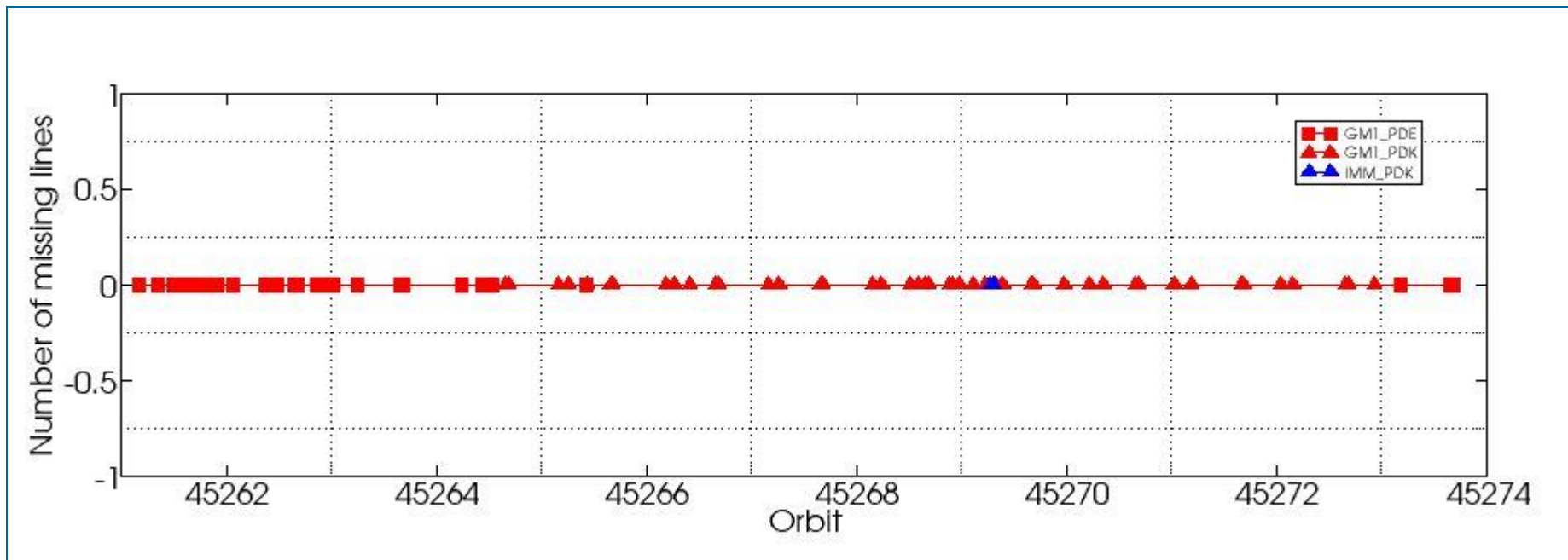


## 8 - TELEMETRY ANALYSIS

### 8.1 - Number of Missing lines

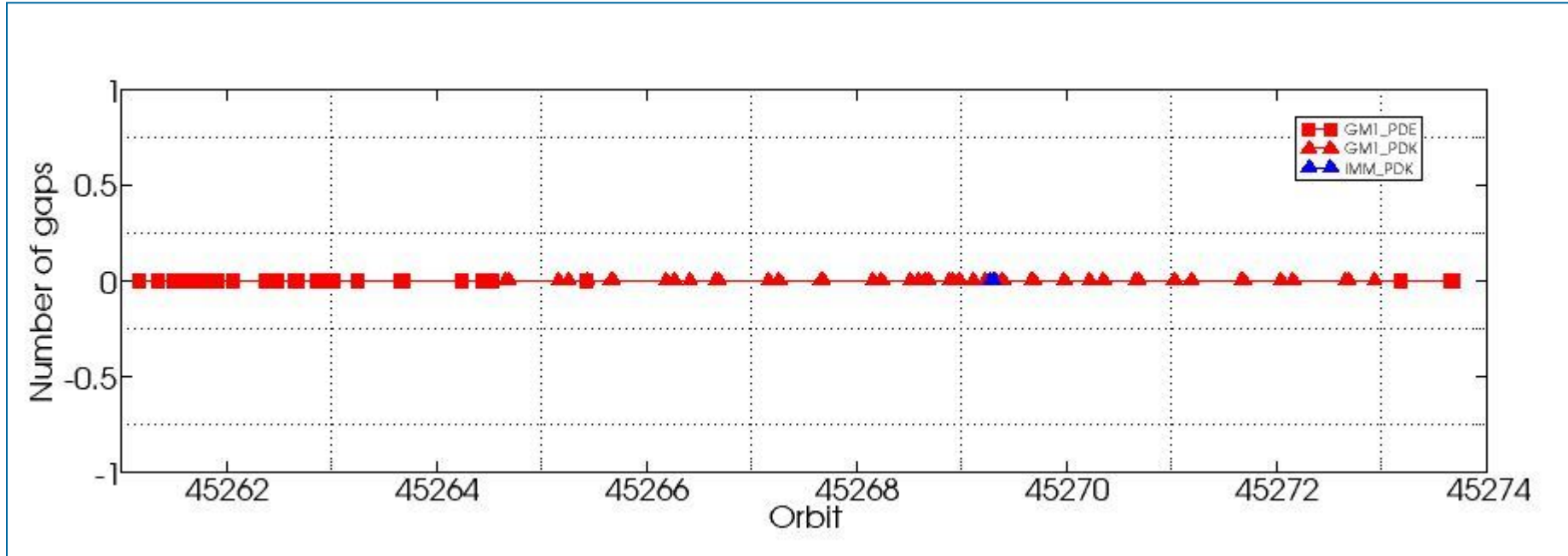
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## 8.2 - Number of Gaps

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#####  
ASAR DAILY REPORT for 101027  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: 2010-10-27 00:00:00

Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101027/

DATA SUMMARY  
#####  
Summary will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101027/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_101027/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_101027/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS  
#####  
Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101027/AUXILIARY

Creating directory ./RESULTS/DAILY/\_101027/AUXILIARY...

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

ADF filter 20101027\*current\_3\_IECF\_ADFs.txt  
Found list 20101027\_030002\_current\_3\_IECF\_ADFs.txt...  
Extracting ADFs...

ASA\_CON\_AXVIEC20100608\_125449\_20100317\_120410\_20101231\_000000  
ASA\_INS\_AXVIEC20101018\_101437\_20101022\_000000\_20101231\_235959  
ASA\_XCH\_AXVIEC20091217\_113006\_20020301\_000000\_20101231\_000000  
ASA\_XCA\_AXVIEC20100608\_123419\_20100317\_120410\_20110101\_000000

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...  
Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Auxiliary\_files\_summary.html...

\*\*\*\*\*

Analysing WVS products...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_WVS.xls...  
Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_WVS.txt...

ASA\_WVS\_1PNPDE20101027\_223017\_000019343096\_00001\_45274\_2307.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_WVS\_1PNPDE20101027\_232210\_000001803096\_00001\_45274\_2313.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_WVS\_1PNPDE20101027\_232410\_000012443096\_00001\_45274\_2330.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_WVS\_1PNPDE20101027\_235107\_000002103096\_00002\_45275\_2329.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

\*\*\*\*\*

Analysing GM1 products...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_GM1.xls...  
Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_GM1.txt...

ASA\_GM1\_1PNPDE20101027\_003057\_000010573095\_00419\_45261\_2183.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_004954\_000000903095\_00419\_45261\_2182.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_010426\_000001873095\_00419\_45261\_2160.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_010832\_000002893095\_00419\_45261\_2159.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_011328\_000000603095\_00419\_45261\_2158.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_012007\_000000783095\_00419\_45261\_2156.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_012007\_000000783095\_00419\_45261\_2157.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_012251\_000007553095\_00419\_45261\_2155.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_012251\_000008343095\_00419\_45261\_2154.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_013515\_000002293095\_00419\_45261\_2153.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_014611\_000006283095\_00419\_45261\_2152.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_020047\_000022903095\_00420\_45262\_2166.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_023216\_000003983095\_00420\_45262\_2165.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_024009\_000001323095\_00420\_45262\_2163.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_024009\_000001323095\_00420\_45262\_2164.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_024403\_000001573095\_00420\_45262\_2161.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_024403\_000001573095\_00420\_45262\_2162.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_030021\_000000783095\_00420\_45262\_2172.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_030305\_000009733095\_00420\_45262\_2171.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_032046\_000002773095\_00420\_45262\_2170.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_032528\_000000783095\_00420\_45262\_2169.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_033006\_000003023095\_00420\_45262\_2168.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_033728\_000025923095\_00421\_45263\_2167.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_040038\_000012023095\_00421\_45263\_2181.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_044035\_000000783095\_00421\_45263\_2180.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_044319\_000009733095\_00421\_45263\_2179.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_052155\_000021873095\_00422\_45264\_2176.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_053945\_000011183095\_00422\_45264\_2175.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_055851\_000000663095\_00422\_45264\_2174.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_060915\_000002053095\_00422\_45264\_2178.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_071909\_000007913095\_00423\_45265\_2177.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_073855\_000009243095\_00423\_45265\_2150.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_090826\_000001083095\_00424\_45266\_2173.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_091657\_000004653095\_00424\_45266\_2229.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK  
ASA\_GM1\_1PNPDE20101027\_103711\_000006283095\_00425\_45267\_2212.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK



ASA_GM1_1PNPDE20101027_203433_000009973095_00431_45273_2283.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_212257_000000783095_00431_45273_2282.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_212541_000009733095_00431_45273_2285.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_215901_000004893096_00001_45274_2303.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_222216_000004773096_00001_45274_2305.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_230311_000000783096_00001_45274_2306.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20101027_230555_000009733096_00001_45274_2309.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_062049_000000783095_00422_45264_5144.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_062334_000009733095_00422_45264_5145.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_071152_000006283095_00423_45265_5146.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_072135_000006283095_00423_45265_5160.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_073855_000009243095_00423_45265_5161.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_080104_000000783095_00423_45265_5162.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_080348_000009733095_00423_45265_5164.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_085333_000005983095_00424_45266_5166.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_090214_000004833095_00424_45266_5180.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_091657_000004653095_00424_45266_5181.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_094118_000000783095_00424_45266_5182.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_094402_000009733095_00424_45266_5183.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_103134_000007193095_00425_45267_5185.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_104217_000003443095_00425_45267_5233.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_112132_000000783095_00425_45267_5232.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_112416_000009733095_00425_45267_5234.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_121139_000005733095_00426_45268_5236.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_121952_000005013095_00426_45268_5250.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_124636_000005073095_00426_45268_5251.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_125507_000006063095_00426_45268_5253.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_130146_000000783095_00426_45268_5252.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_130430_000009733095_00426_45268_5256.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_132502_000001023095_00426_45268_5255.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_132655_000003503095_00426_45268_5254.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_133345_000003803095_00426_45268_5257.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_134715_000007733095_00427_45269_5258.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_135846_000002593095_00427_45269_5275.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_140755_000002713095_00427_45269_5276.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_141536_000009433095_00427_45269_5277.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_144200_000000783095_00427_45269_5278.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_144444_000009733095_00427_45269_5280.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_151359_000002773095_00427_45269_5279.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_153739_000008103095_00428_45270_5296.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_155145_000006283095_00428_45270_5297.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_162214_000000783095_00428_45270_5298.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_162459_000009733095_00428_45270_5299.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_165847_000010393095_00429_45271_5300.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_171459_000014263095_00429_45271_5314.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_180229_000000783095_00429_45271_5315.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_180513_000009733095_00429_45271_5316.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_184104_000003503095_00430_45272_5317.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_185232_000011783095_00430_45272_5346.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_194243_000000783095_00430_45272_5345.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_194527_000009733095_00430_45272_5347.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20101027_201006_000009493095_00430_45272_5348.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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Analysing APM products...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_APM.xls...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_APM.txt...

ASA_APM_1PNPDE20101027_235812_000001623096_00002_45275_2326.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
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Analysing IMM products...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_IMM.xls...



Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_IMM.txt...

ASA\_IMM\_1PNPDE20101027\_235543\_000001273096\_00002\_45275\_2325.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_IMM\_1PNPDE20101027\_235543\_000001273096\_00002\_45275\_2342.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_IMM\_1PNPDK20101027\_140304\_000001583095\_00427\_45269\_5263.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK
ASA\_IMM\_1PNPDK20101027\_140612\_000000943095\_00427\_45269\_5264.N1 ASA\_CON -> OKASA\_INS -> OKASA\_XCH -> OKASA\_XCA -> OK

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Analysing WSM products...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_WSM.xls...

Writing file ./RESULTS/DAILY/\_101027/AUXILIARY/Check\_ADFs\_WSM.txt...

ASA\_WSM\_1PNPDE20101027\_073220\_000003923095\_00423\_45265\_2424.N1 ASA\_CON -> OKASA\_INS -> NOT OK ASA\_XCH -> OKASA\_XCA -> OK
ASA\_WSM\_1PNPDE20101027\_105716\_000002693095\_00425\_45267\_2428.N1 ASA\_CON -> OKASA\_INS -> NOT OK ASA\_XCH -> OKASA\_XCA -> OK
ASA\_WSM\_1PNPDE20101027\_221041\_000000983096\_00001\_45274\_2427.N1 ASA\_CON -> OKASA\_INS -> NOT OK ASA\_XCH -> OKASA\_XCA -> OK
ASA\_WSM\_1PNPDE20101027\_222032\_000000983096\_00001\_45274\_2426.N1 ASA\_CON -> OKASA\_INS -> NOT OK ASA\_XCH -> OKASA\_XCA -> OK
ASA\_WSM\_1PNPDE20101027\_234538\_000003303096\_00002\_45275\_2425.N1 ASA\_CON -> OKASA\_INS -> NOT OK ASA\_XCH -> OKASA\_XCA -> OK

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/\_101027/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_101027/MODULE\_STEPPING...
Creating directory ./RESULTS/DAILY/\_101027/MODULE\_STEPPING/FIRST\_REFERENCE...
Creating directory ./RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE...
Creating directory ./RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...
Deleting old files...

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Creating images comparing with second reference...

Exporting results to the directory .././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H
Reference product: ASA\_MS\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1
Test product: ASA\_MS\_0PNPDE20101027\_230437\_000000163096\_00001\_45274\_0031.N1

H
H
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20101027\_230437-20010209\_135042.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20101027\_230437-20010209\_135042.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20101027\_230437-20010209\_135042.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20101027\_230437-20010209\_135042.png

Polarization: V
Reference product: ASA\_MS\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1
Test product: ASA\_MS\_0PNPDE20101027\_212423\_000000163095\_00431\_45273\_0030.N1

V
V
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20101027\_212423-20010209\_140823.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20101027\_212423-20010209\_140823.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20101027\_212423-20010209\_140823.png
.././RESULTS/DAILY/\_101027/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20101027\_212423-20010209\_140823.png

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Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H

Reference product: ASA\_MS\_\_0PNPK20101027\_194409\_000000163095\_00430\_45272\_0240.N1

Test product: ASA\_MS\_\_0PNPDE20101027\_230437\_000000163096\_00001\_45274\_0031.N1

H  
H

../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20101027\_230437-20101027\_194409.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20101027\_230437-20101027\_194409.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20101027\_230437-20101027\_194409.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20101027\_230437-20101027\_194409.png

Polarization: V

Reference product: ASA\_MS\_\_0PNPK20101027\_180355\_000000163095\_00429\_45271\_0239.N1

Test product: ASA\_MS\_\_0PNPDE20101027\_212423\_000000163095\_00431\_45273\_0030.N1

V  
V

../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20101027\_212423-20101027\_180355.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20101027\_212423-20101027\_180355.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20101027\_212423-20101027\_180355.png  
../../RESULTS/DAILY/\_101027/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20101027\_212423-20101027\_180355.png

MODULE\_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES...

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\*\*\*\*\*

ALL ROWS Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing products WVS IS2 V/V

\*\*\* No Data \*\*\*

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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TEMPORAL EVOLUTION Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-10-27\_1.dat...

No data to be processed for WVS IS2 V/V...

Getting calibration pulses data for WVS IS2 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-10-27\_2.dat...

No data to be processed for WVS IS2 V/V...

Getting calibration pulses data for WVS IS2 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-10-27\_3.dat...

No data to be processed for WVS IS2 V/V...

Getting calibration pulses data for WVS IS2 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-10-27\_4.dat...

No data to be processed for WVS IS2 V/V...

Analysing products GM1 SS3 H/H

Getting calibration pulses data for GM1 SS3 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 1/5/9/13/17/21/25/29



Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-10-27\_1.dat...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 2/6/10/14/18/22/26/30  
 Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-10-27\_2.dat...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 3/7/11/15/19/23/27/31  
 Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-10-27\_3.dat...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59. Rows: 4/8/12/16/20/24/28/32  
 Writing file ./RESULTS/DAILY/\_101027/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-10-27\_4.dat...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
 Writing ../../RESULTS/DAILY/\_101027//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
 #####

DOPPLER ANALYSIS  
 #####  
 Creating directory ./RESULTS/DAILY/\_101027/DOPPLER...

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 DOPPLER ANX Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing products WVS IS2 V/V  
 Getting doppler data for WVS IS2 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
 Writing file ./RESULTS/DAILY/\_101027/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2010-10-27.dat...  
 No data to be processed for WVS IS2 V/V...

Analysing products GM1 SS1 H/H  
 Getting doppler data for GM1 SS1 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
 Writing file ./RESULTS/DAILY/\_101027/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2010-10-27.dat...  
 Running IDL program...  
 Writing file ../../RESULTS/DAILY/\_101027/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

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 DOPPLER JUMPS Analysis will be performed on WSM products from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing by default products WSM  
 Getting doppler jumps data for WSM from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
 Writing file ./RESULTS/DAILY/\_101027/DOPPLER/Doppler\_Jumps\_data\_WSM\_2010-10-27.dat...  
 No data to be processed for WSM...

\*\*\*\*\*  
 \*\*\*\*\*  
 DOPPLER MAP Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing products WVS IS2 V/V



\*\*\* Insufficient Data to Plot \*\*\*  
\*\*\* Insufficient Data to Plot \*\*\*

Analysing products GM1 SS1 H/H  
Loading predicted doppler values....  
Phase: descending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = 404.51652 Hz  
Writing file ../../RESULTS/DAILY/\_101027//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_desc.jpg...  
Writing file ../../RESULTS/DAILY/\_101027//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_desc.jpg...

\*\*\*\*\*  
Loading predicted doppler values....  
Phase: ascending  
Found data...  
Computing mean error doppler estimated-predicted...  
Mean error = 137.83175 Hz  
Writing file ../../RESULTS/DAILY/\_101027//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_GM1\_SS1\_HH\_asc.jpg...  
Writing file ../../RESULTS/DAILY/\_101027//DOPPLER/DOPPLER\_Absolute\_GM1\_SS1\_HH\_asc.jpg...

\*\*\*\*\*

DOPPLER ANALYSIS completed  
#####

CHIRP ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_101027/CHIRP...

\*\*\*\*\*  
\*\*\*\*\*  
CHIRP Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59

Analysing products WSM SS1 H/H  
\*\*\*\*\*  
Getting ScaleFactor data for WSM SS1 H/H from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/CHIRP/ScaleFactor\_data\_WSM\_SS1\_HH\_2010-10-27.dat...  
ScaleFactor: no data to be processed for WSM SS1 H/H...

Analysing products WSM SS1 V/V  
\*\*\*\*\*  
Getting ScaleFactor data for WSM SS1 V/V from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/\_101027/CHIRP/ScaleFactor\_data\_WSM\_SS1\_VV\_2010-10-27.dat...  
ScaleFactor: no data to be processed for WSM SS1 V/V...

CHIRP ANALYSIS completed  
#####

RAW DATA ANALYSIS  
#####  
Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_101027/RAW\_DATA  
  
Creating directory ./RESULTS/DAILY/\_101027/RAW\_DATA...

```
*****  
Getting raw data for WVS from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/_101027/RAW_DATA/Raw_data_WVS_2010-10-27.dat...  
No data to be processed for WVS...
```

```
*****  
Getting raw data for IMM from 2010-10-27 00:00:00 to 2010-10-27 23:59:59...  
Writing file ./RESULTS/DAILY/_101027/RAW_DATA/Raw_data_IMM_2010-10-27.dat...  
Running IDL program to create graphs...
```

```
Creating image ../RESULTS/DAILY/_101027/RAW_DATA/Raw_data_IMM_input_mean.png...  
Creating image ../RESULTS/DAILY/_101027/RAW_DATA/Raw_data_IMM_input_stdev.png...  
Creating image ../RESULTS/DAILY/_101027/RAW_DATA/Raw_data_IMM_gain_imbalance.png...
```

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

```
TELEMETRY ANALYSIS  
#####  
Analysis will be performed from 2010-10-27 00:00:00 to 2010-10-27 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/_101027/TELEMETRY
```

```
Creating directory ./RESULTS/DAILY/_101027/TELEMETRY...
```

```
Looking for gaps and missing lines in WVS products...  
*****  
No products from PDE...  
No products from PDK...
```

```
Looking for gaps and missing lines in GM1 products...  
*****  
Checking 33 products from PDE...  
Checking 45 products from PDK...
```

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

```
Looking for gaps and missing lines in IMM products...  
*****  
No products from PDE...  
Checking 2 products from PDK...
```

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

```
Creating graph of missing lines and gaps...  
*****  
Creating image: ./RESULTS/DAILY/_101027/TELEMETRY/TELEMETRY_Missing_lines.png...  
Creating image: ./RESULTS/DAILY/_101027/TELEMETRY/TELEMETRY_Gaps.png...
```

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

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

Building file ./RESULTS/DAILY/\_101027/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_1PNPDE20101027_235812_000001623096_00002_45275_2326.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_1PNPDE20101027_003057_000010573095_00419_45261_2183.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_004954_000000903095_00419_45261_2182.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_010426_000001873095_00419_45261_2160.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_010832_000002893095_00419_45261_2159.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_011328_000000603095_00419_45261_2158.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_012007_000000783095_00419_45261_2156.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_012007_000000783095_00419_45261_2157.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_012251_000007553095_00419_45261_2155.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_012251_000008343095_00419_45261_2154.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_013515_000002293095_00419_45261_2153.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_014611_000006283095_00419_45261_2152.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_020047_000022903095_00420_45262_2166.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_023216_000003983095_00420_45262_2165.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_024009_000001323095_00420_45262_2163.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_024009_000001323095_00420_45262_2164.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_024403_000001573095_00420_45262_2161.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_024403_000001573095_00420_45262_2162.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_030021_000000783095_00420_45262_2172.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_030305_000009733095_00420_45262_2171.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_032046_000002773095_00420_45262_2170.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_032528_000000783095_00420_45262_2169.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_033006_000003023095_00420_45262_2168.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_033728_000025923095_00421_45263_2167.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_040038_000012023095_00421_45263_2181.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_044035_000000783095_00421_45263_2180.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_044319_000009733095_00421_45263_2179.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_052155_000021873095_00422_45264_2176.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_053945_000011183095_00422_45264_2175.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_055851_000000663095_00422_45264_2174.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_060915_000002053095_00422_45264_2178.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_071909_000007913095_00423_45265_2177.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_073855_000009243095_00423_45265_2150.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_090826_000001083095_00424_45266_2173.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_091657_000004653095_00424_45266_2229.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_103711_000006283095_00425_45267_2212.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_203433_000009973095_00431_45273_2283.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_212257_000000783095_00431_45273_2282.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_212541_000009733095_00431_45273_2285.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_215901_000004893096_00001_45274_2303.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_222216_000004773096_00001_45274_2305.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_230311_000000783096_00001_45274_2306.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20101027_230555_000009733096_00001_45274_2309.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_062049_000000783095_00422_45264_5144.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_062334_000009733095_00422_45264_5145.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_071152_000006283095_00423_45265_5146.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_072135_000006283095_00423_45265_5160.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_073855_000009243095_00423_45265_5161.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_080104_000000783095_00423_45265_5162.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_080348_000009733095_00423_45265_5164.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_085333_000005983095_00424_45266_5166.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_090214_000004833095_00424_45266_5180.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_091657_000004653095_00424_45266_5181.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_094118_000000783095_00424_45266_5182.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_094402_000009733095_00424_45266_5183.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_103134_000007193095_00425_45267_5185.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_104217_000003443095_00425_45267_5233.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_112132_000000783095_00425_45267_5232.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_112416_000009733095_00425_45267_5234.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_121139_000005733095_00426_45268_5236.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_121952_000005013095_00426_45268_5250.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_124636_000005073095_00426_45268_5251.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_125507_000000603095_00426_45268_5253.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_130146_000000783095_00426_45268_5252.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_130430_000009733095_00426_45268_5256.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20101027_132502_000001023095_00426_45268_5255.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_132655_000003503095_00426_45268_5254.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_133345_000003803095_00426_45268_5257.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_134715_000007733095_00427_45269_5258.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_135846_000002593095_00427_45269_5275.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_140755_000002713095_00427_45269_5276.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_141536_000009433095_00427_45269_5277.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_144200_000000783095_00427_45269_5278.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_144444_000009733095_00427_45269_5280.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_151359_000002773095_00427_45269_5279.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_153739_000008103095_00428_45270_5296.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_155145_000006283095_00428_45270_5297.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_162214_000000783095_00428_45270_5298.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_162459_000009733095_00428_45270_5299.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_165847_000010393095_00429_45271_5300.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_171459_000014263095_00429_45271_5314.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_180229_000000783095_00429_45271_5315.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_180513_000009733095_00429_45271_5316.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_184104_000003503095_00430_45272_5317.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_185232_000011783095_00430_45272_5346.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_194243_000000783095_00430_45272_5345.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_194527_000009733095_00430_45272_5347.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20101027_201006_000009493095_00430_45272_5348.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_1PNPDE20101027_235543_000001273096_00002_45275_2325.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20101027_235543_000001273096_00002_45275_2342.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20101027_140304_000001583095_00427_45269_5263.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20101027_140612_000000943095_00427_45269_5264.N1	OK	OK	OK	OK

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

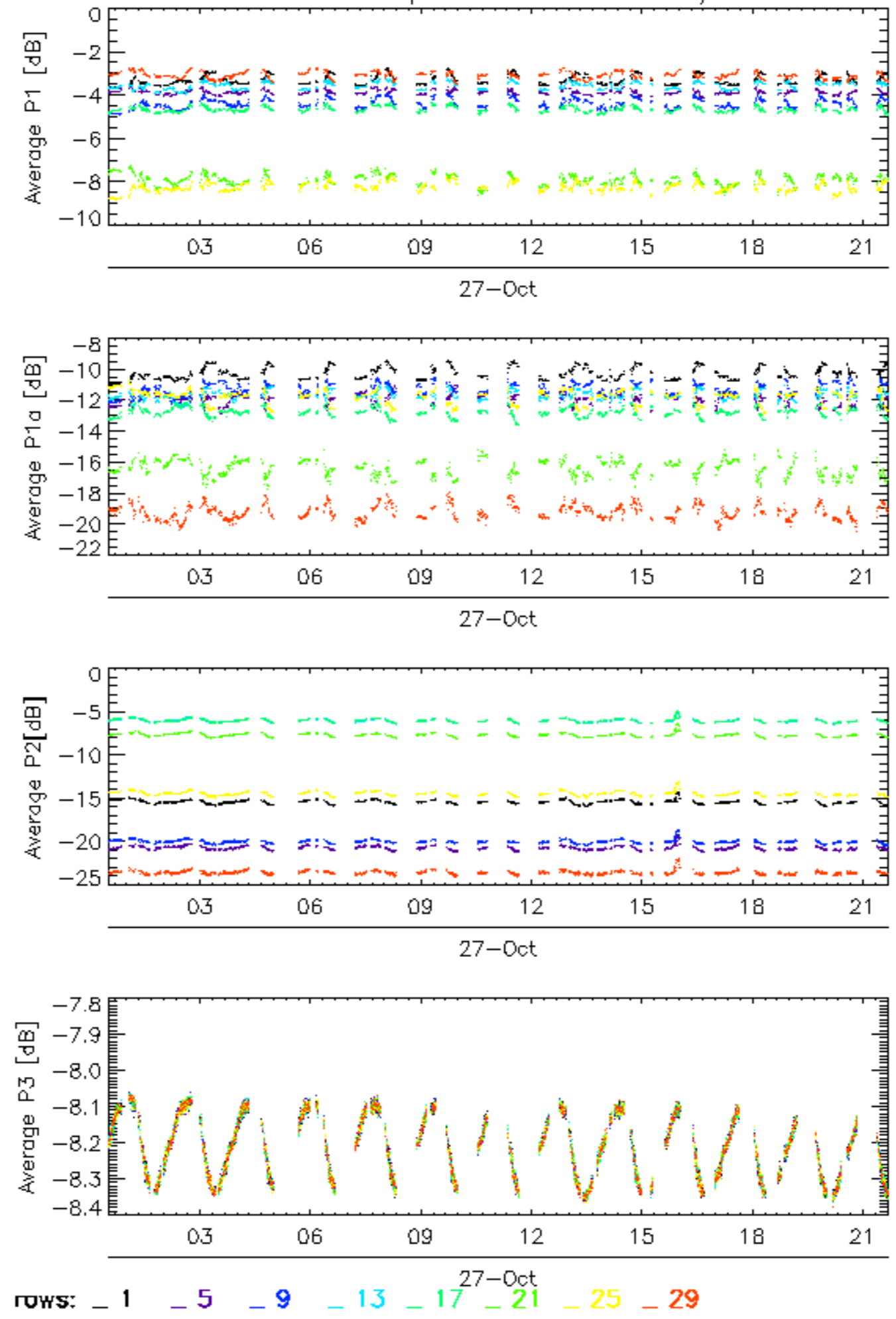


Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20101027_073220_000003923095_00423_45265_2424.N1					OK	ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959	OK	OK
ASA_WSM_1PNPDE20101027_105716_000002693095_00425_45267_2428.N1					OK	ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959	OK	OK
ASA_WSM_1PNPDE20101027_221041_000000983096_00001_45274_2427.N1					OK	ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959	OK	OK
ASA_WSM_1PNPDE20101027_222032_000000983096_00001_45274_2426.N1					OK	ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959	OK	OK
ASA_WSM_1PNPDE20101027_234538_000003303096_00002_45275_2425.N1					OK	ASA_INS_AXVIEC20101028_095209_20101022_000000_20101231_235959	OK	OK

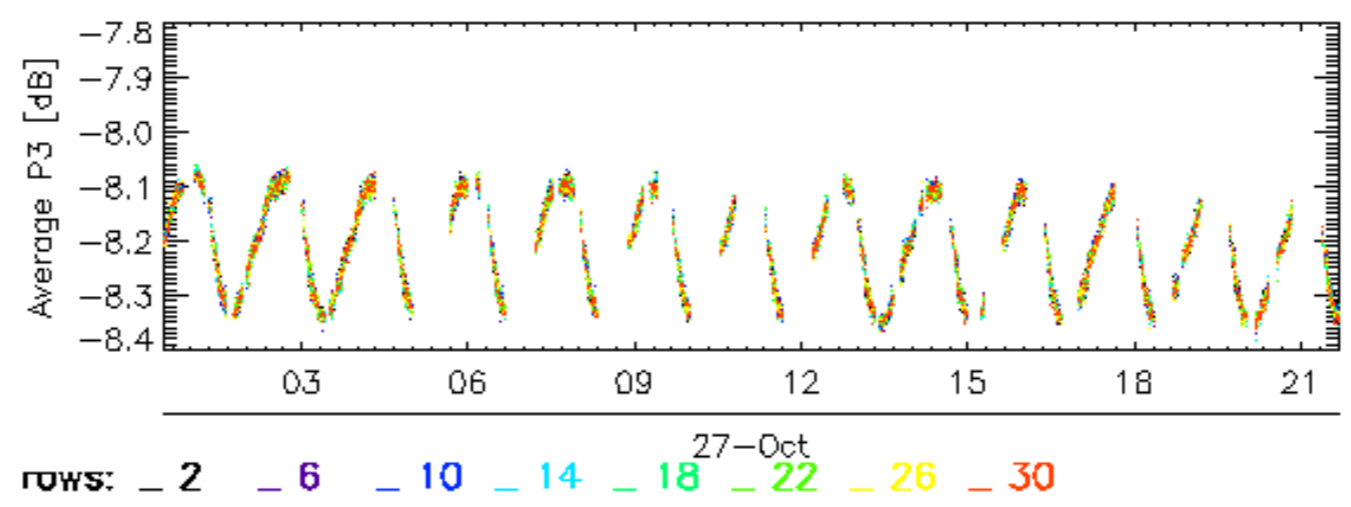
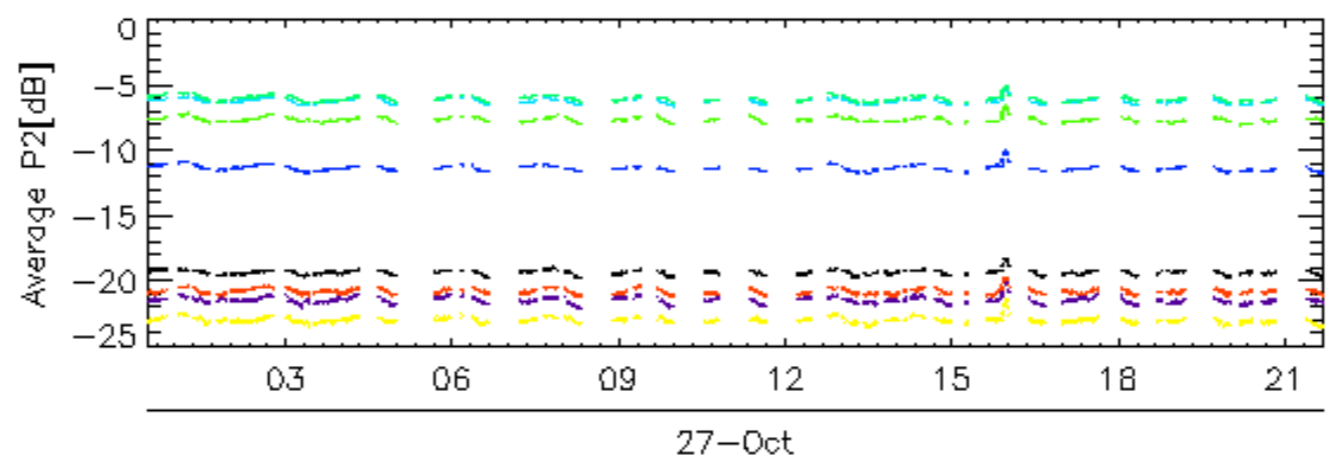
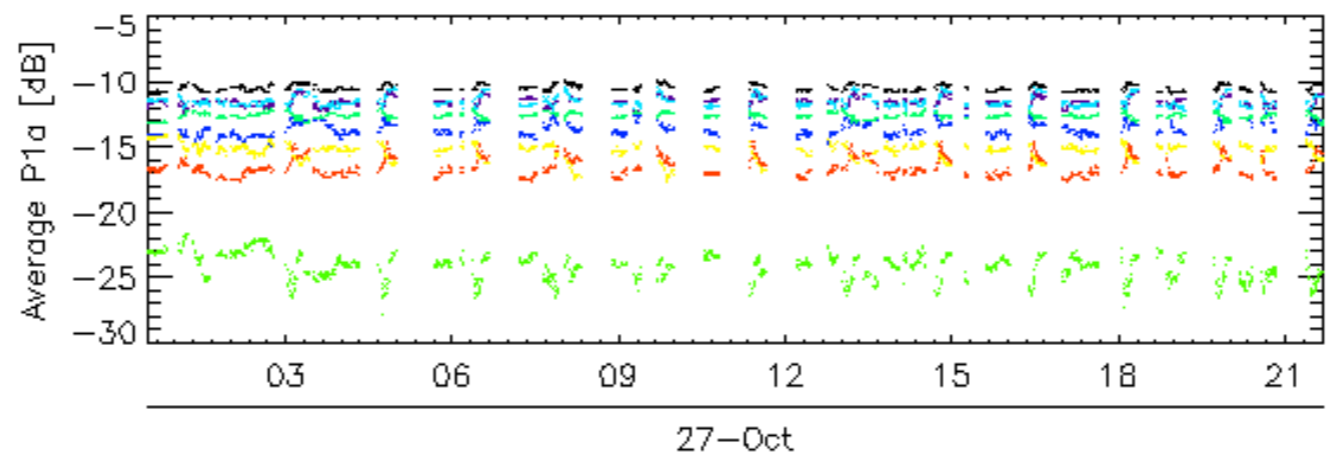
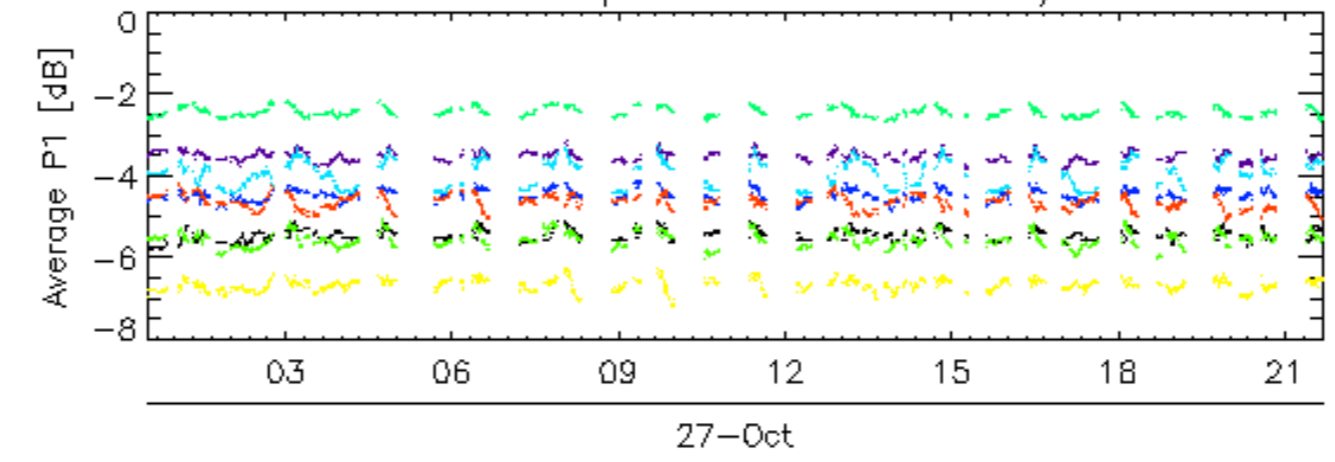
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
ASA_WVS_1PNPDE20101027_223017_000019343096_00001_45274_2307.N1	OK	OK	OK	OK
ASA_WVS_1PNPDE20101027_232210_000001803096_00001_45274_2313.N1	OK	OK	OK	OK
ASA_WVS_1PNPDE20101027_232410_000012443096_00001_45274_2330.N1	OK	OK	OK	OK
ASA_WVS_1PNPDE20101027_235107_000002103096_00002_45275_2329.N1	OK	OK	OK	OK

Calibration pulses for GM1 SS3 H/H

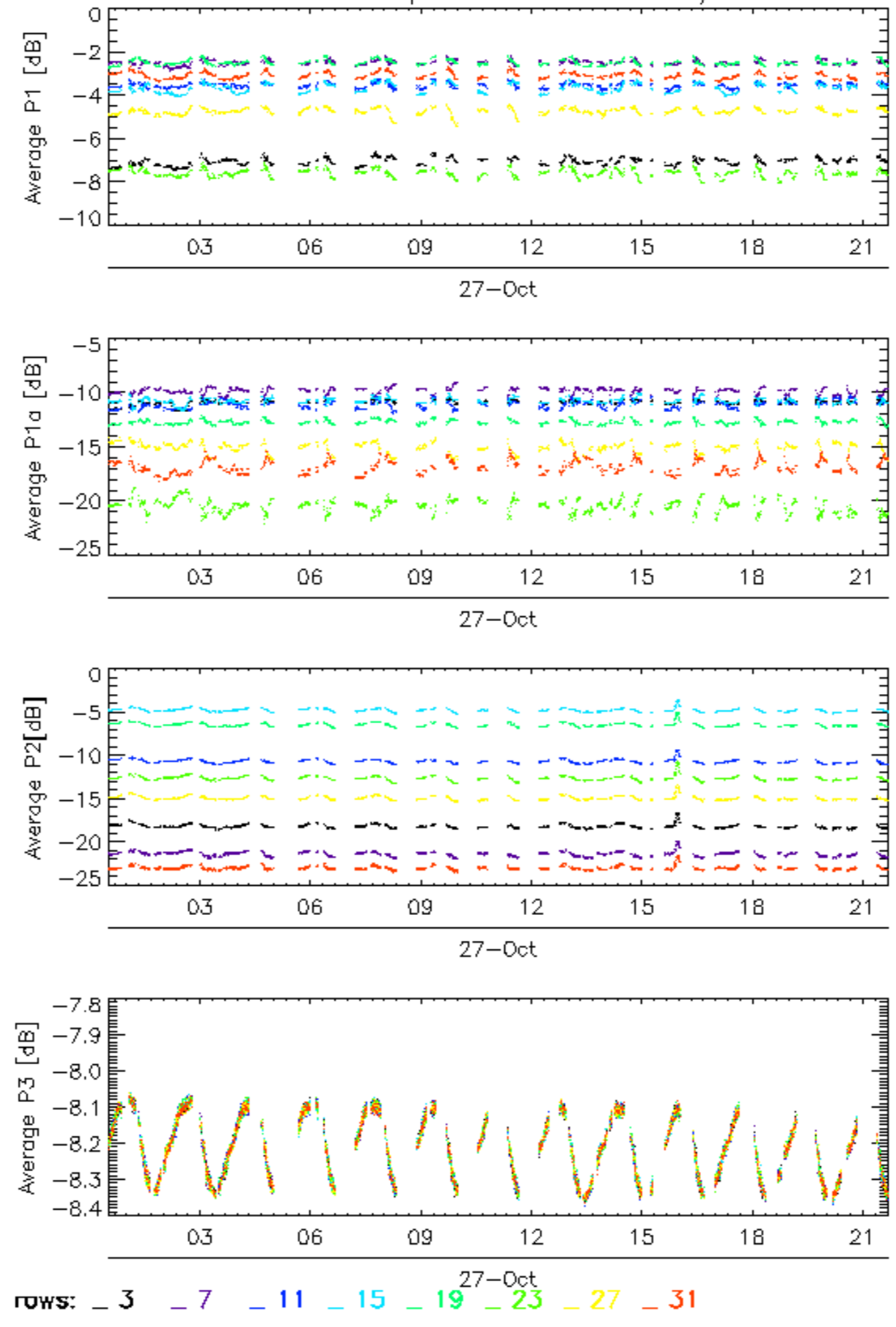


Calibration pulses for GM1 SS3 H/H

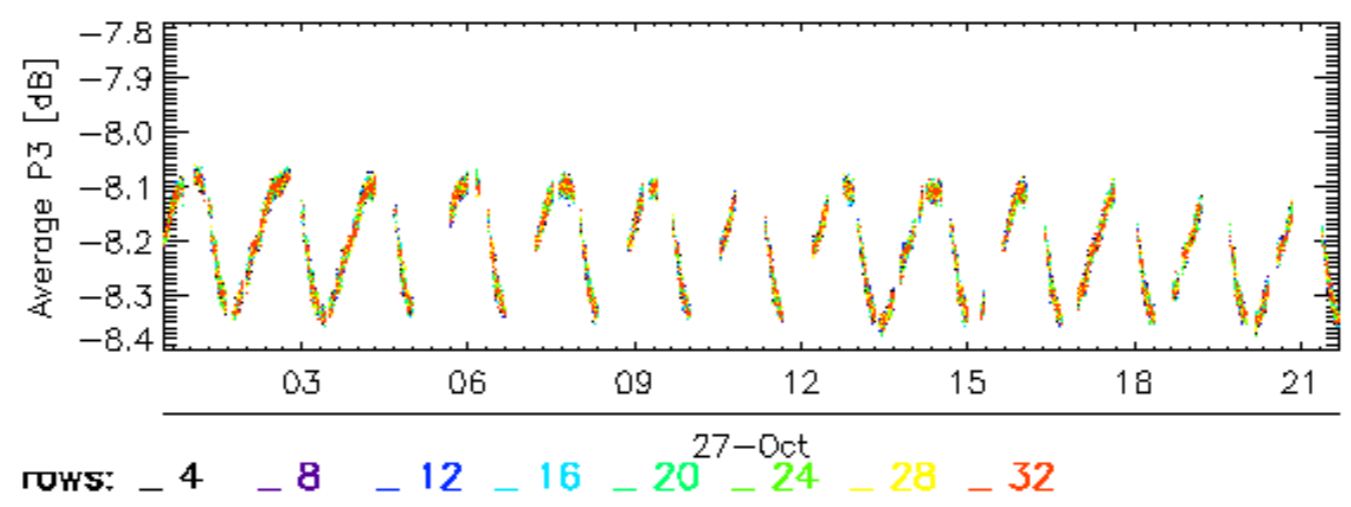
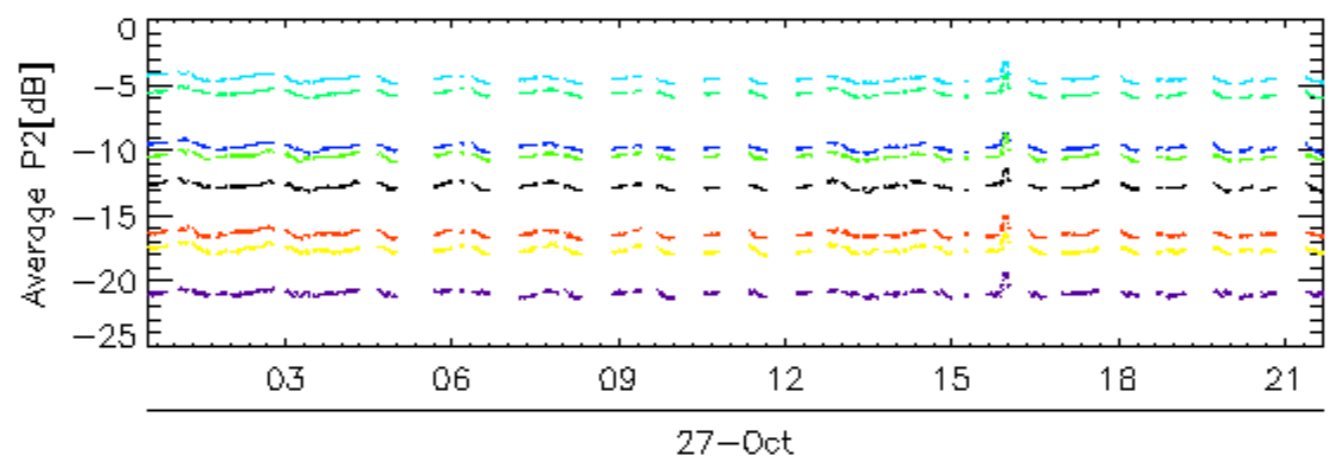
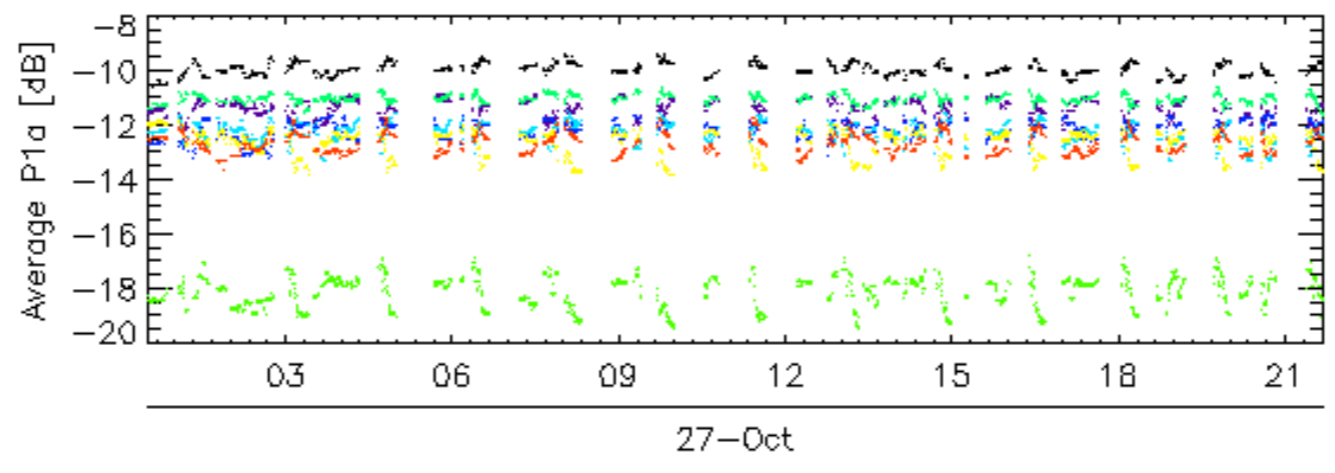
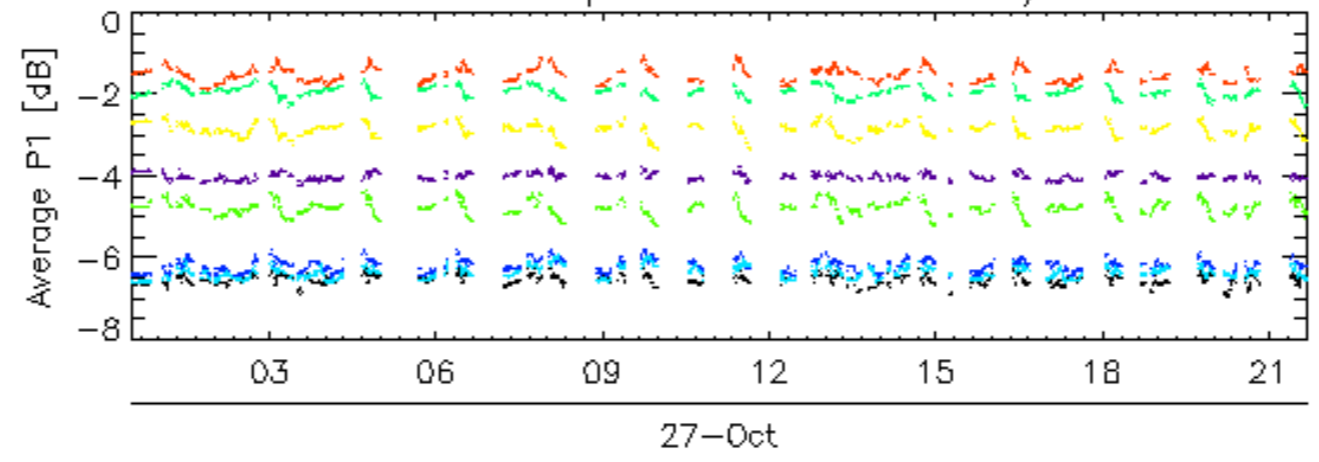


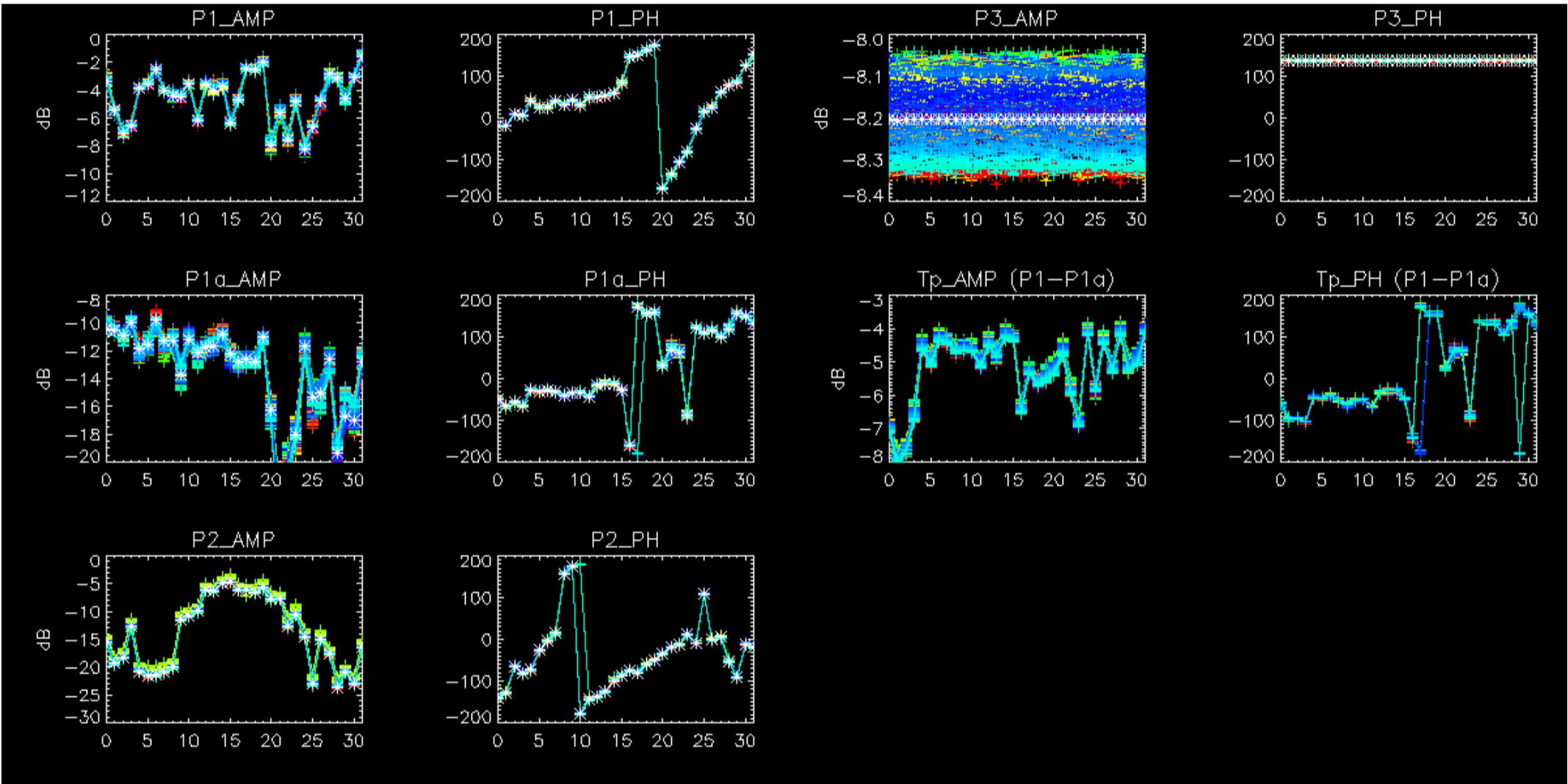


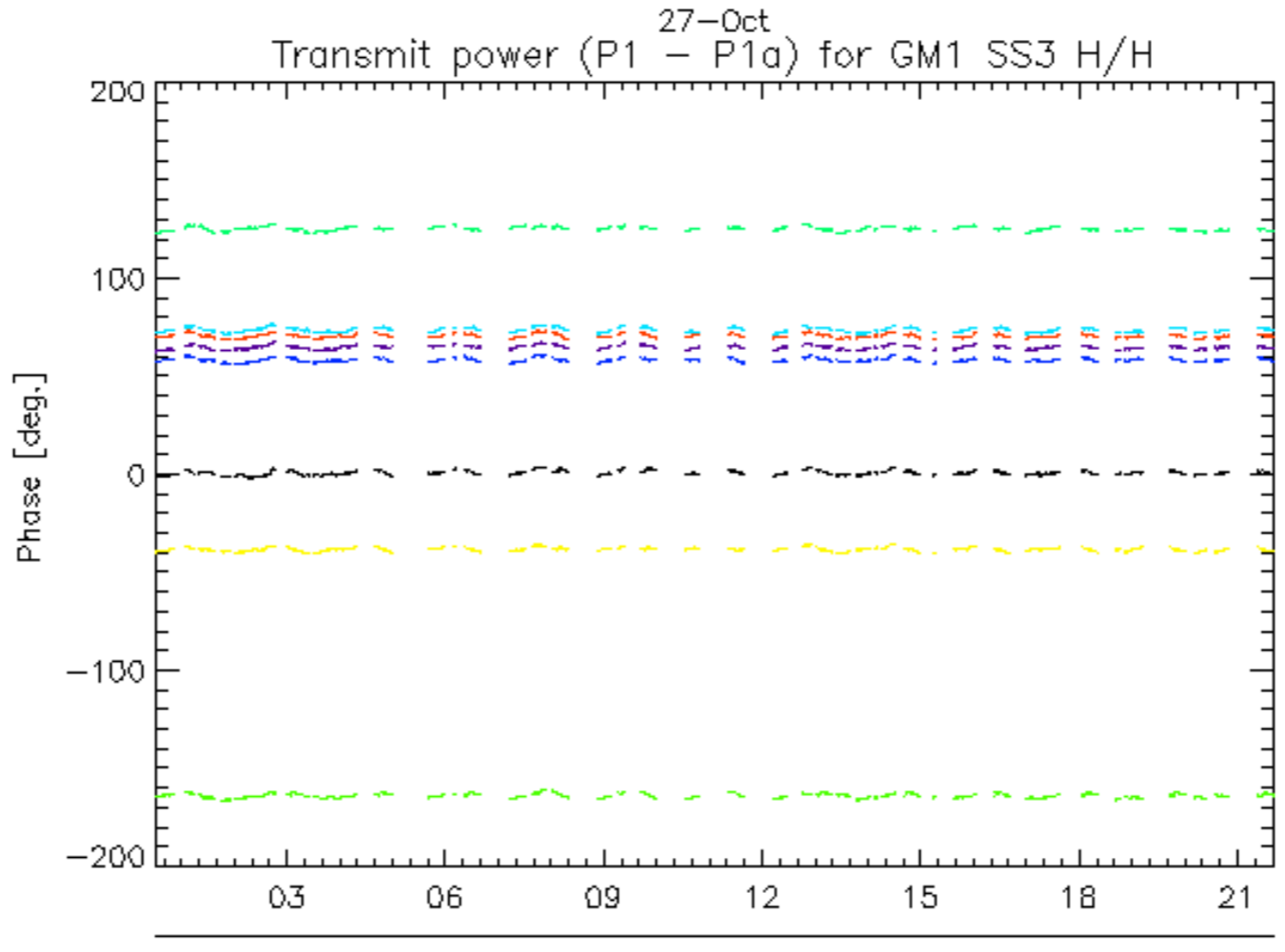
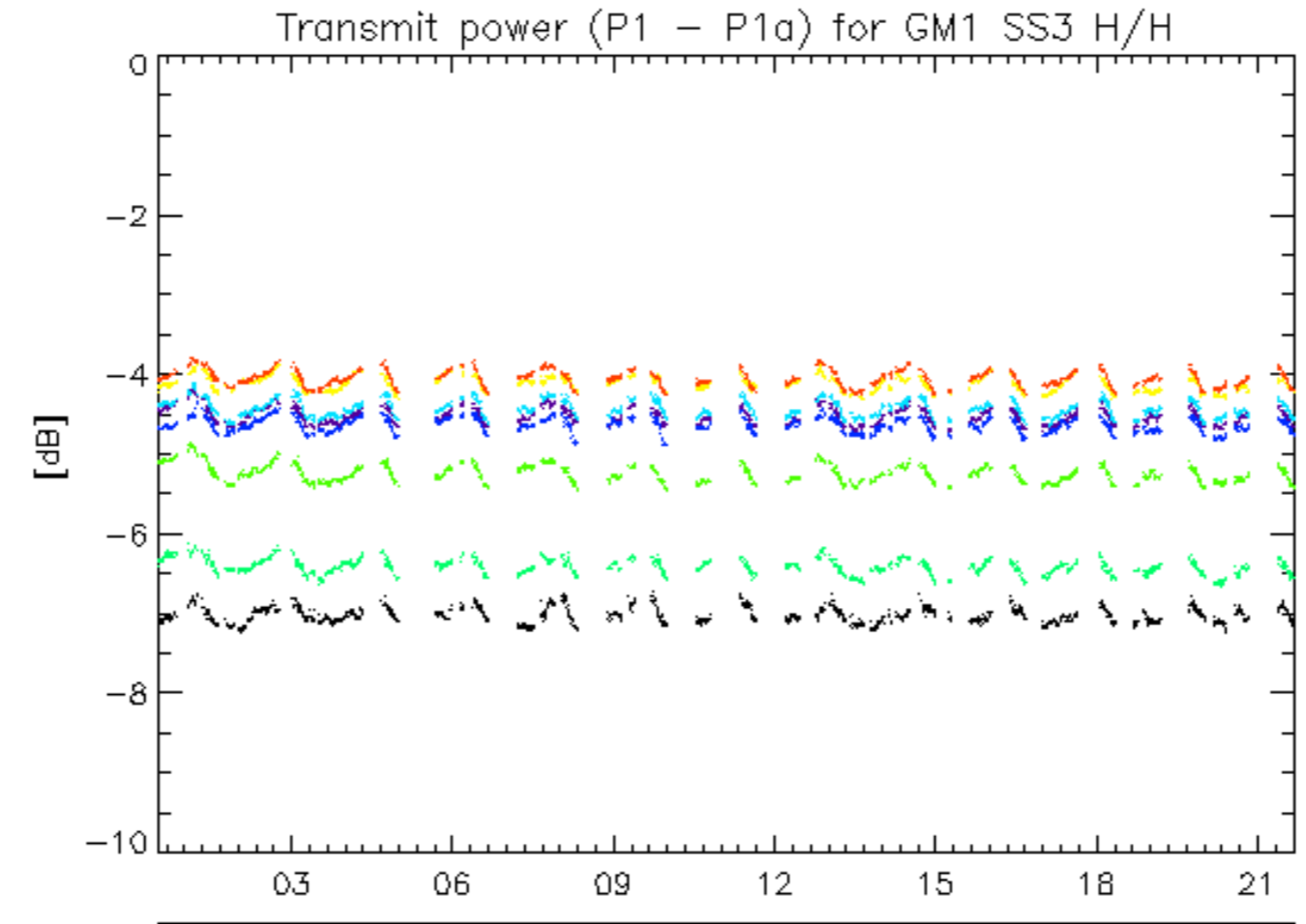
Calibration pulses for GM1 SS3 H/H



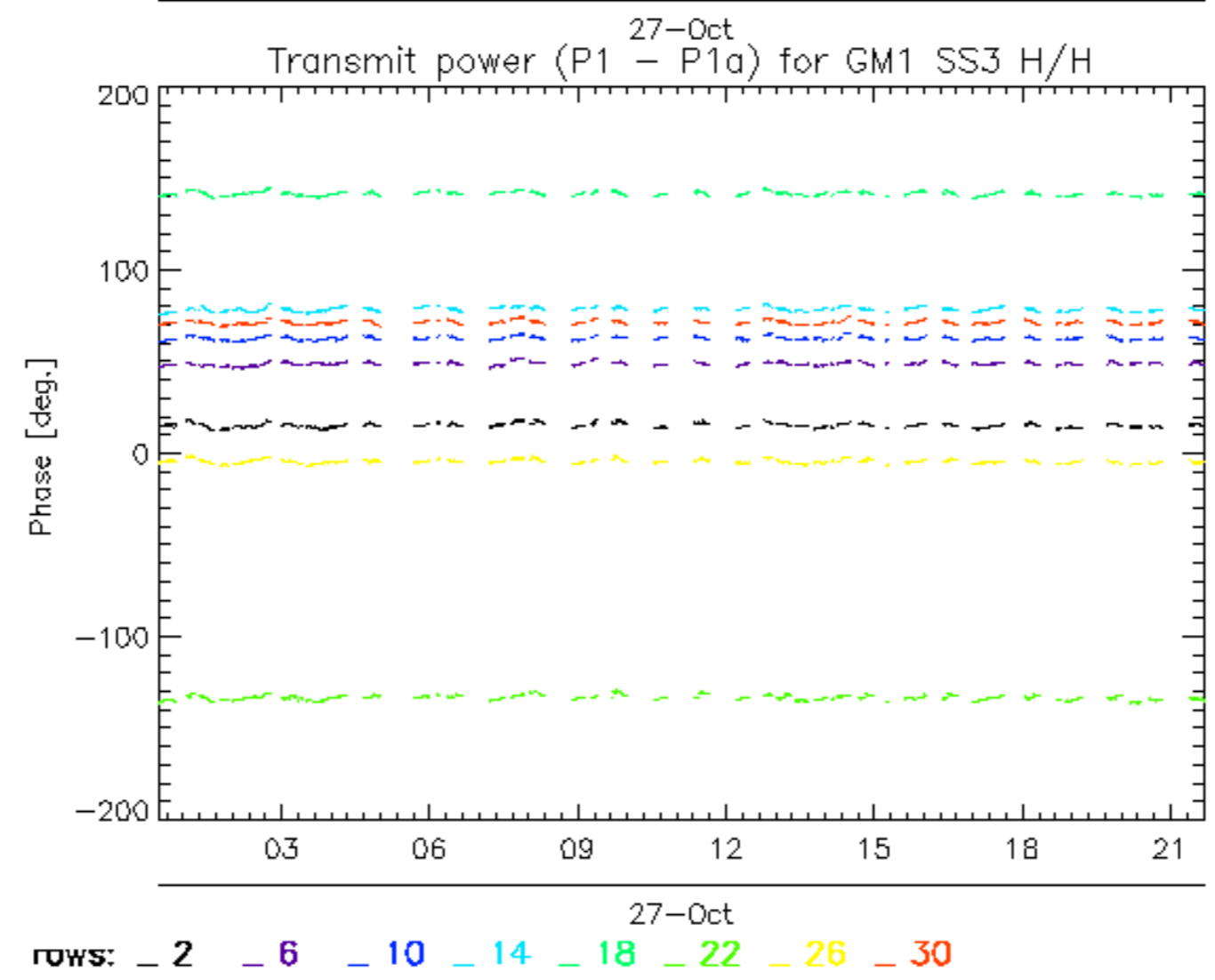
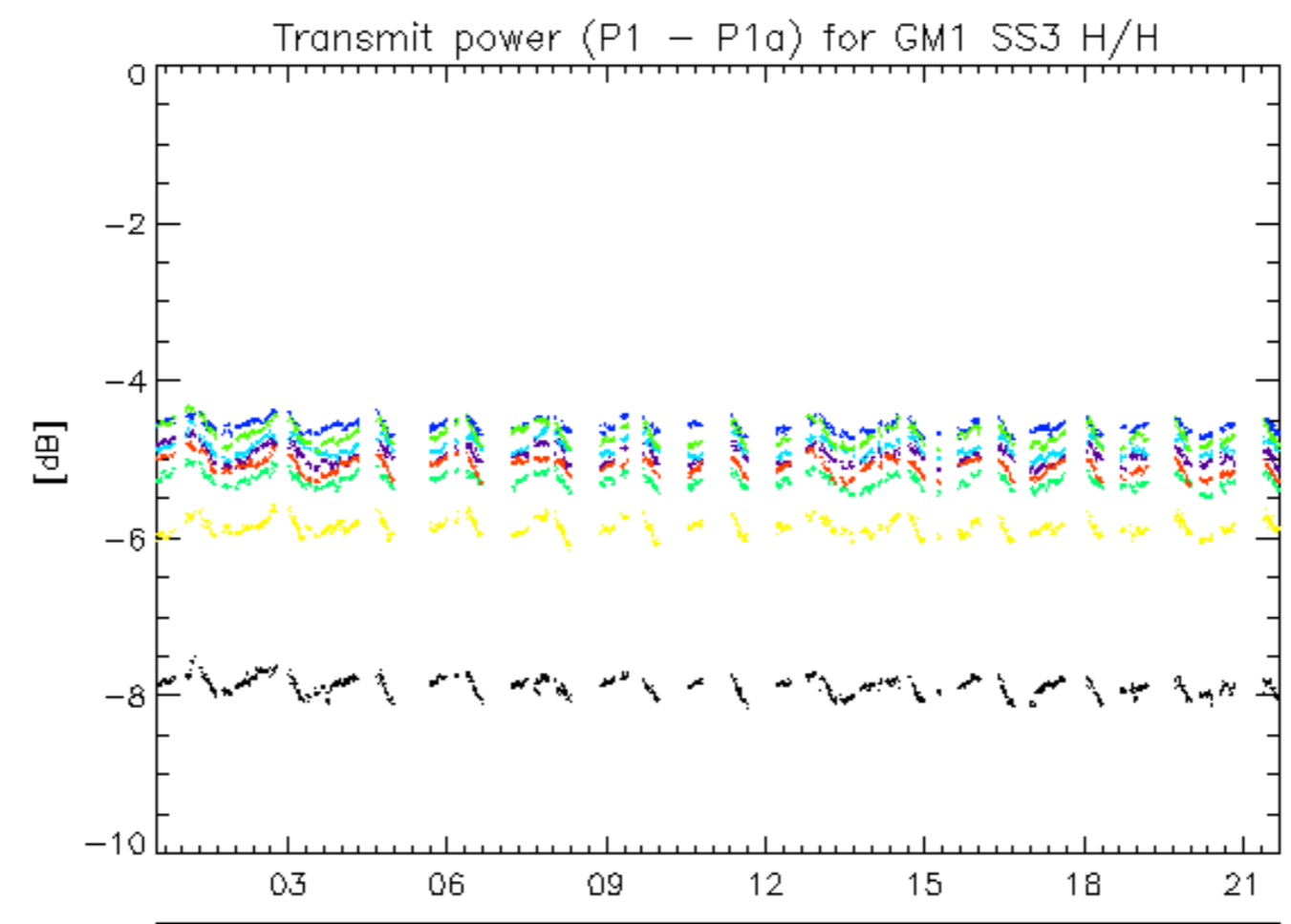
Calibration pulses for GM1 SS3 H/H

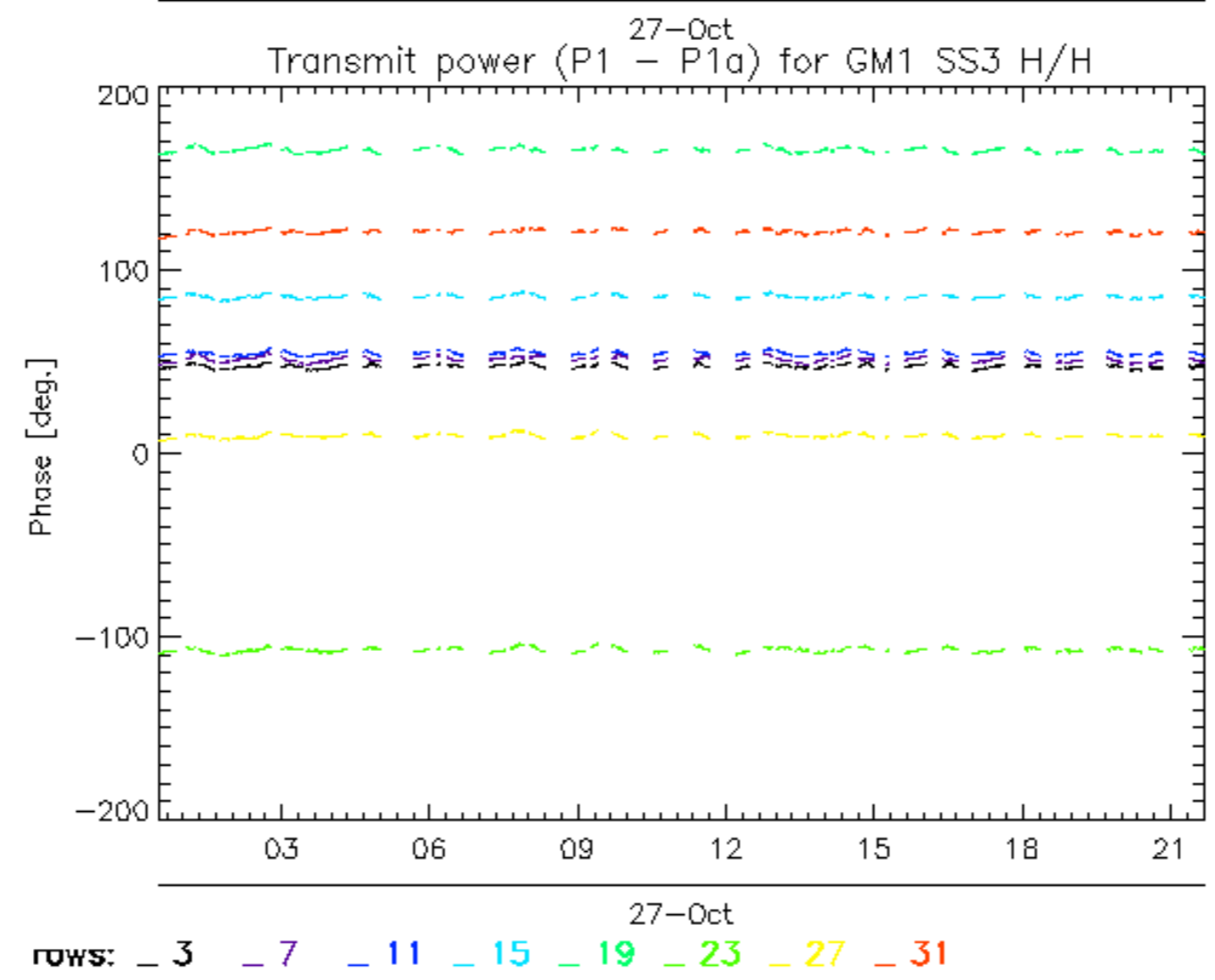
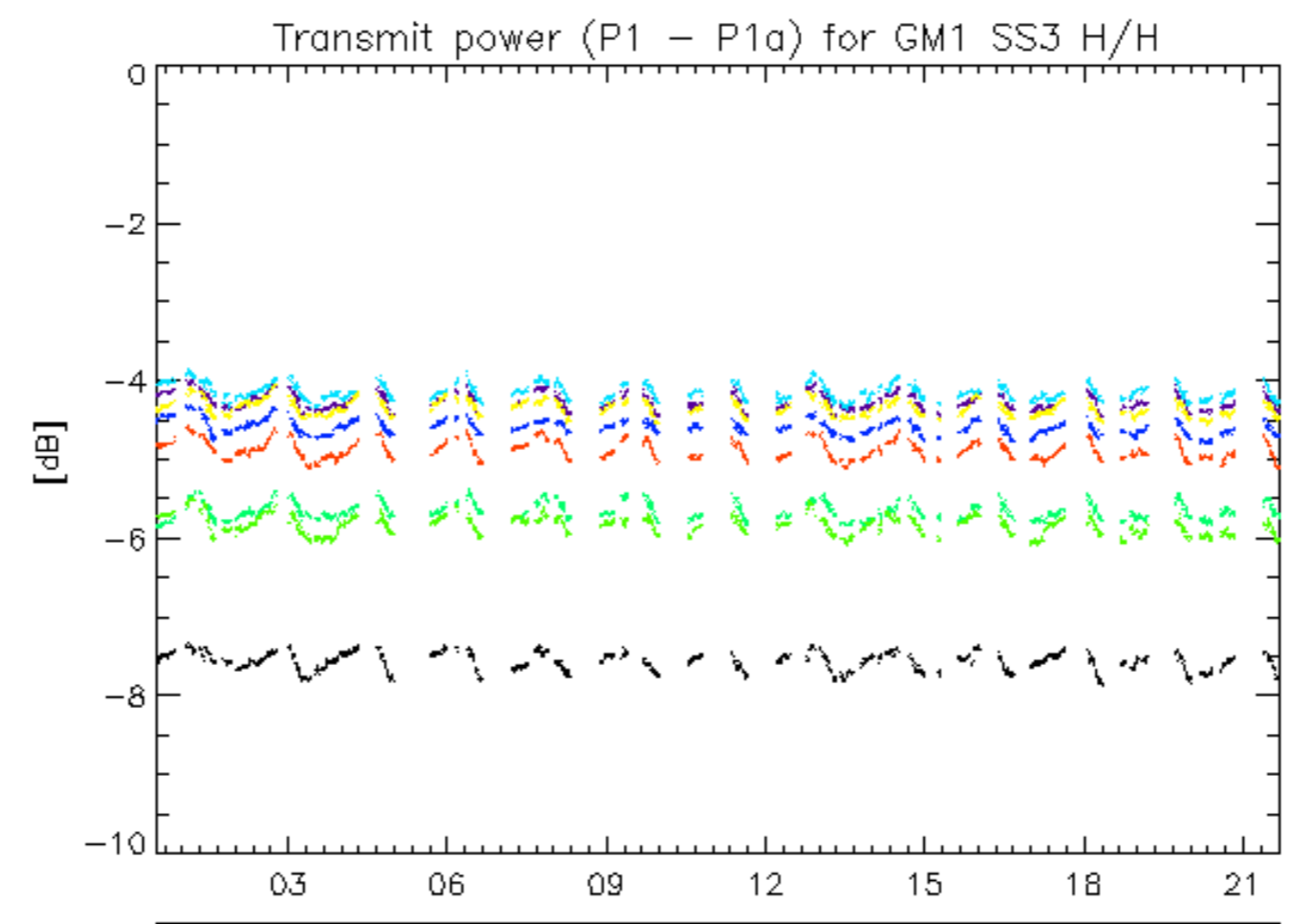


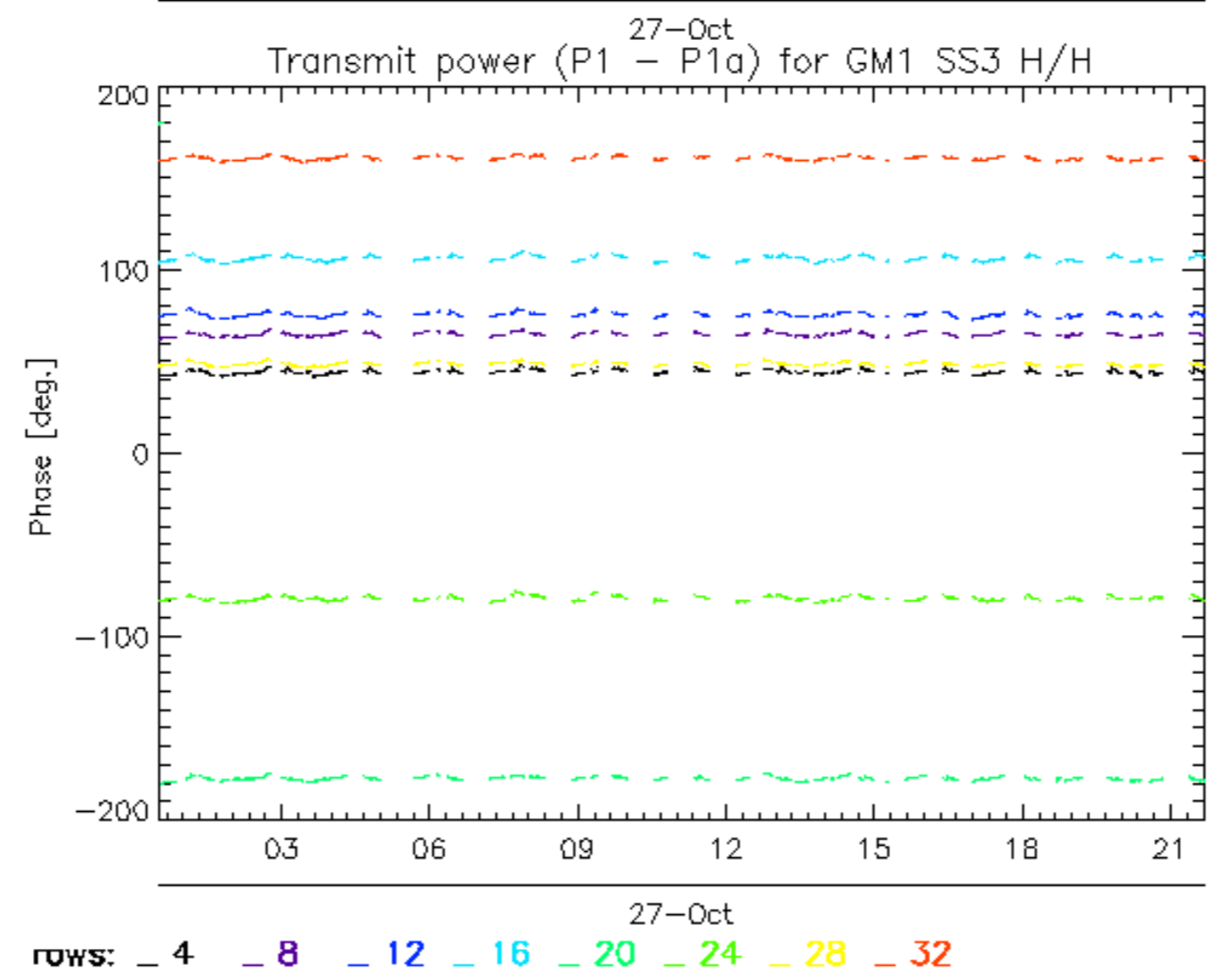
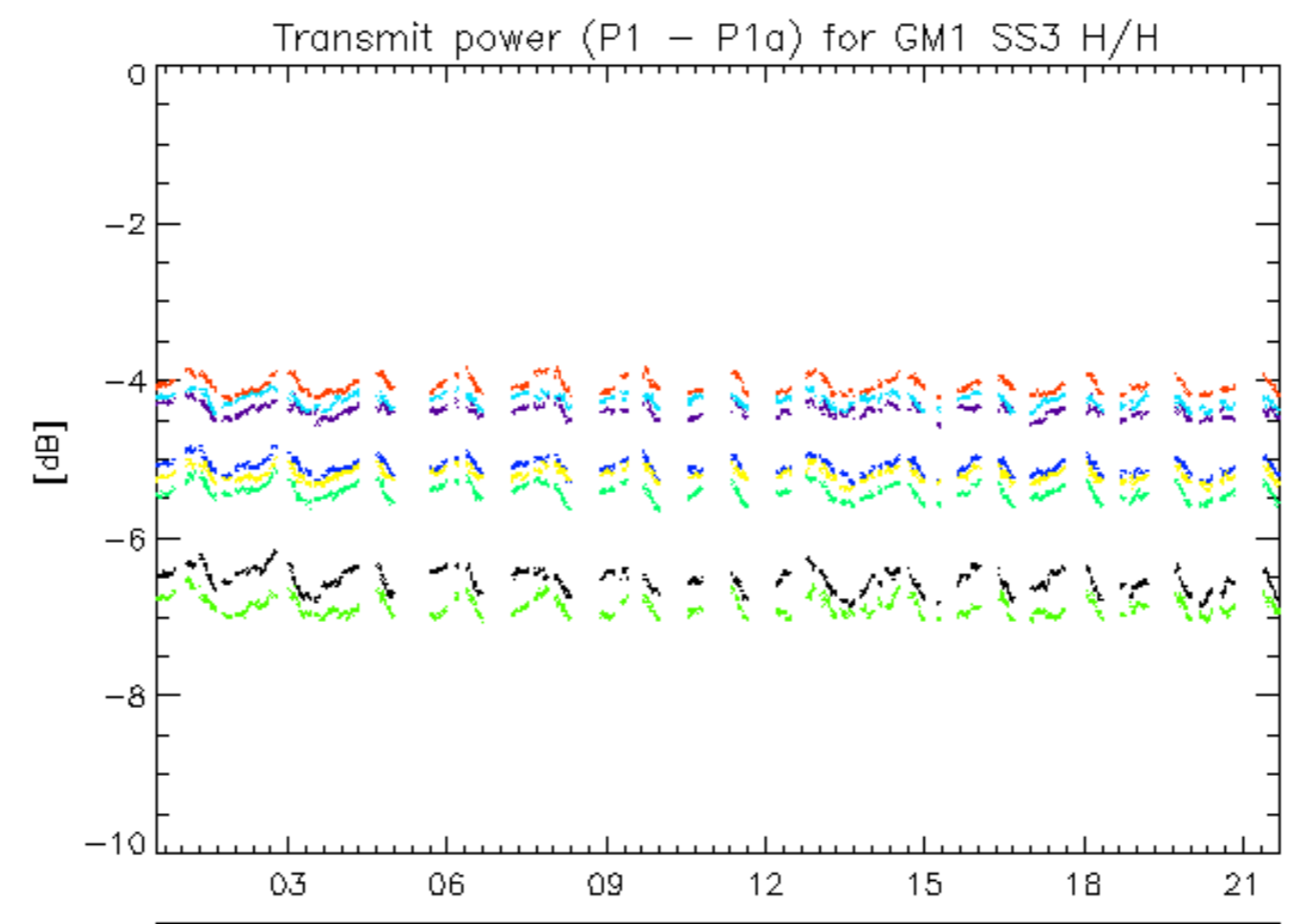




rows: \_ 1 \_ 5 \_ 9 \_ 13 \_ 17 \_ 21 \_ 25 \_ 29







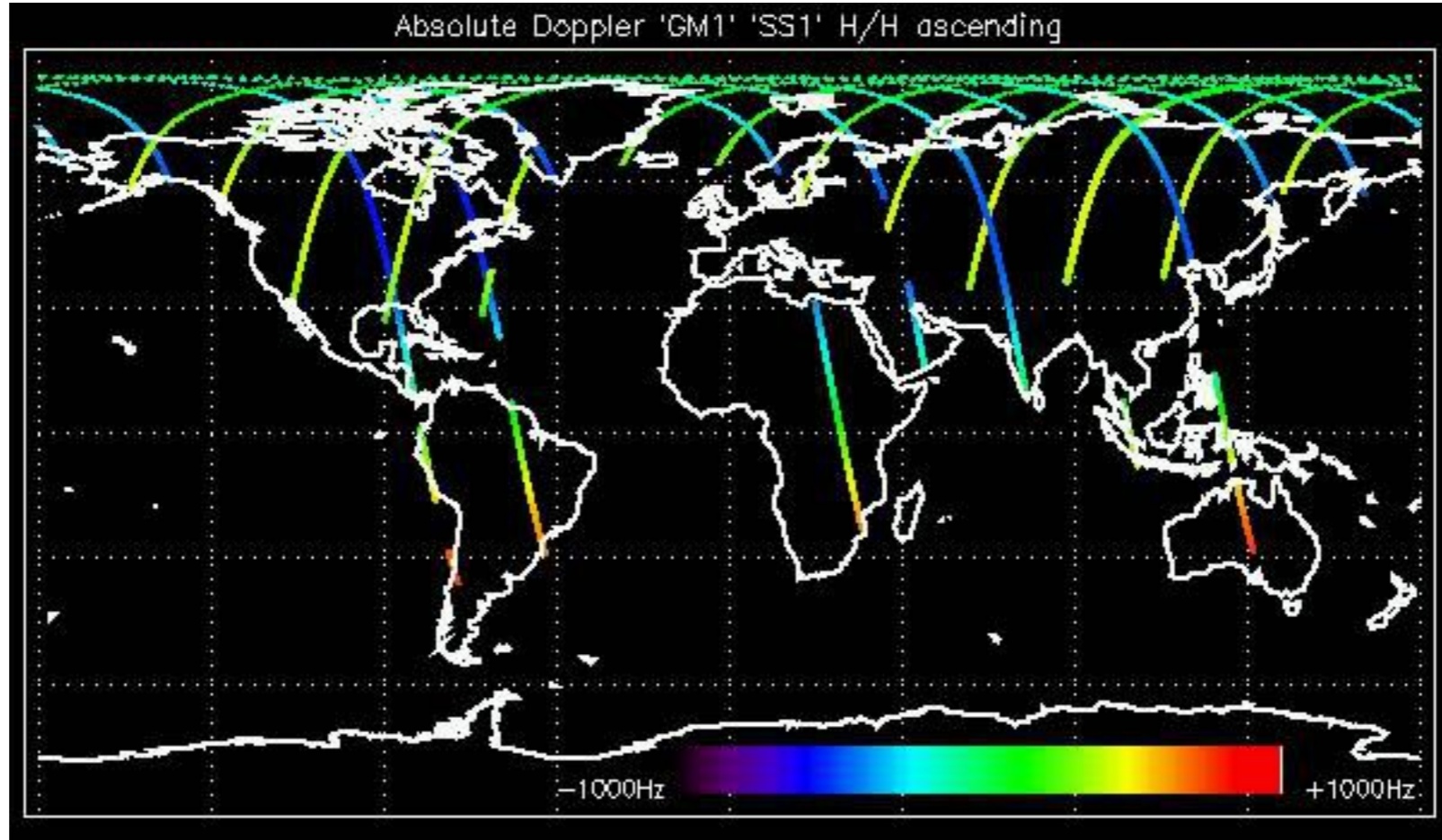
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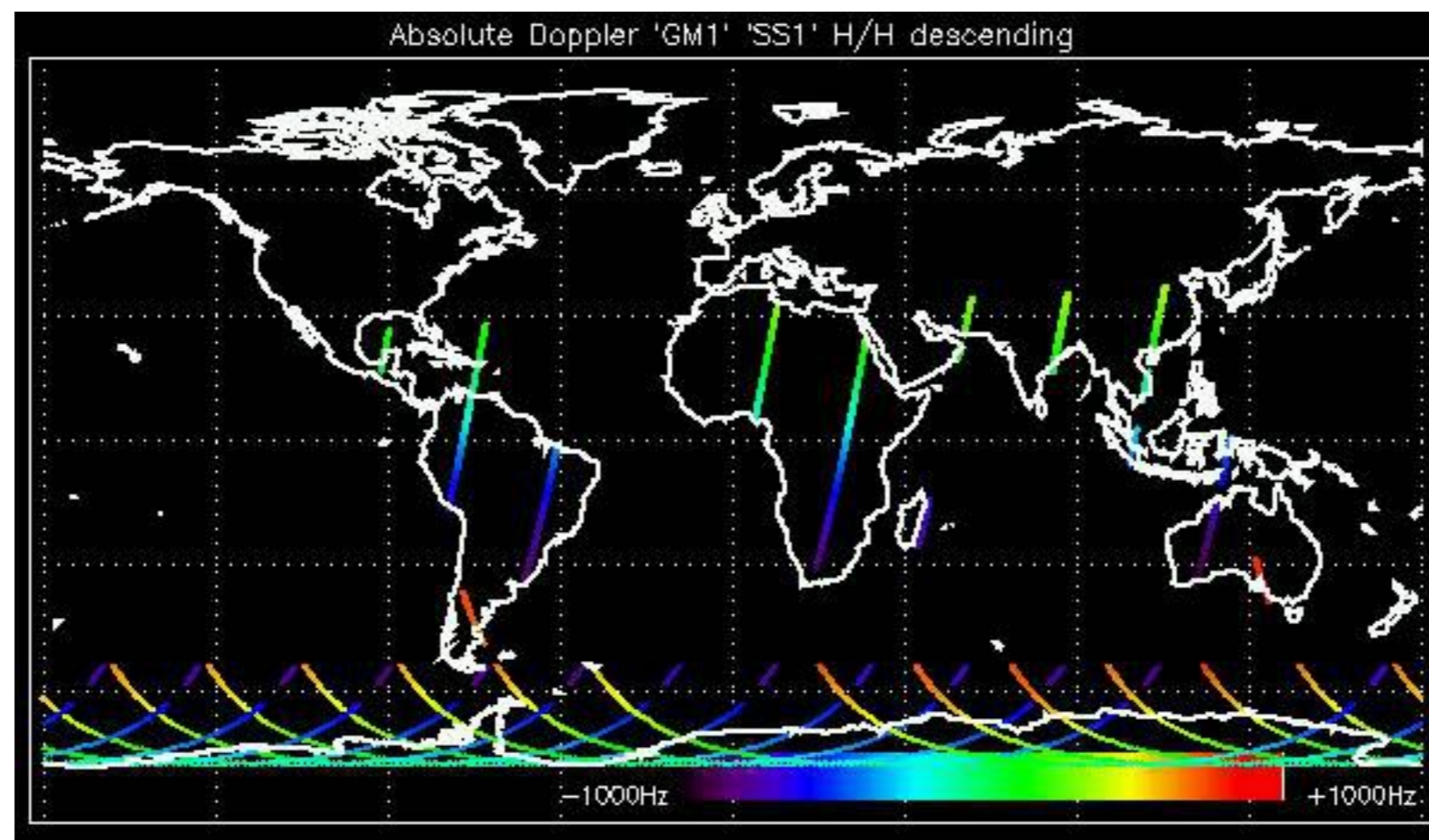


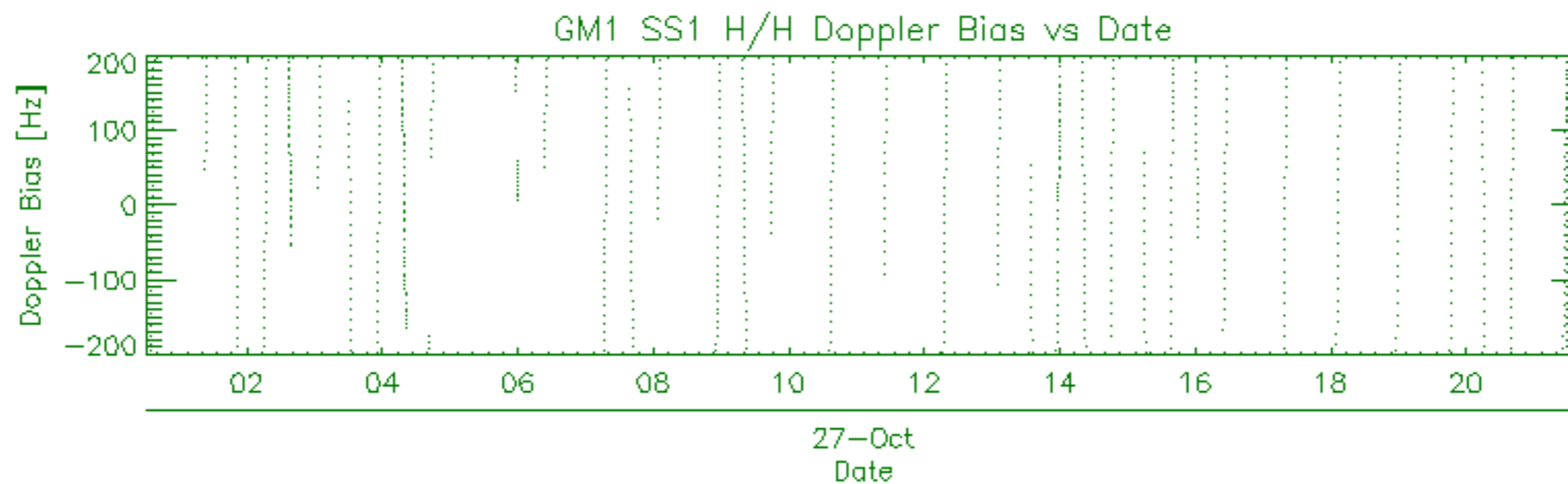
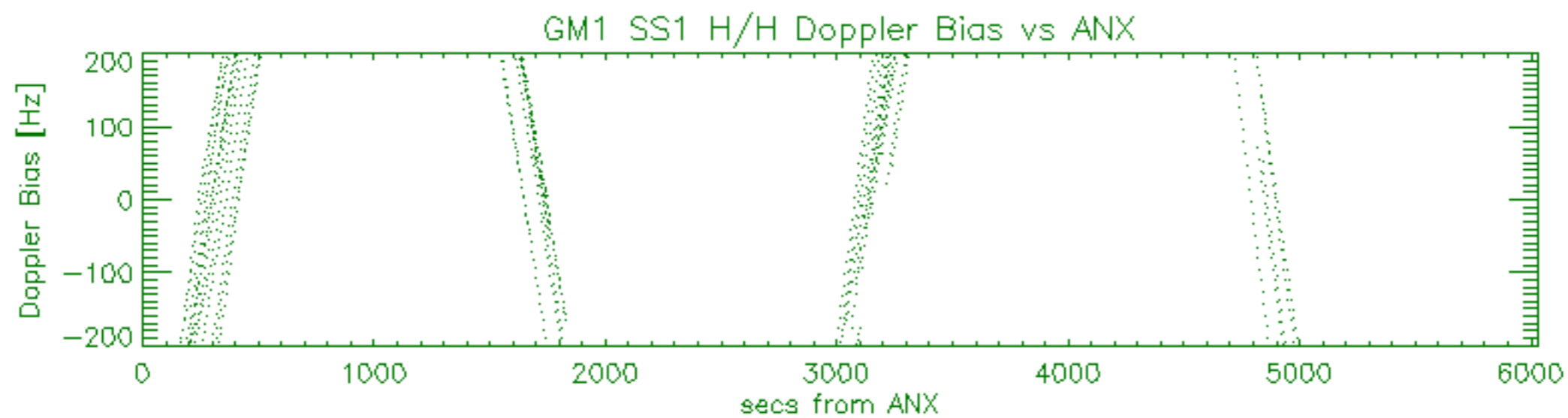
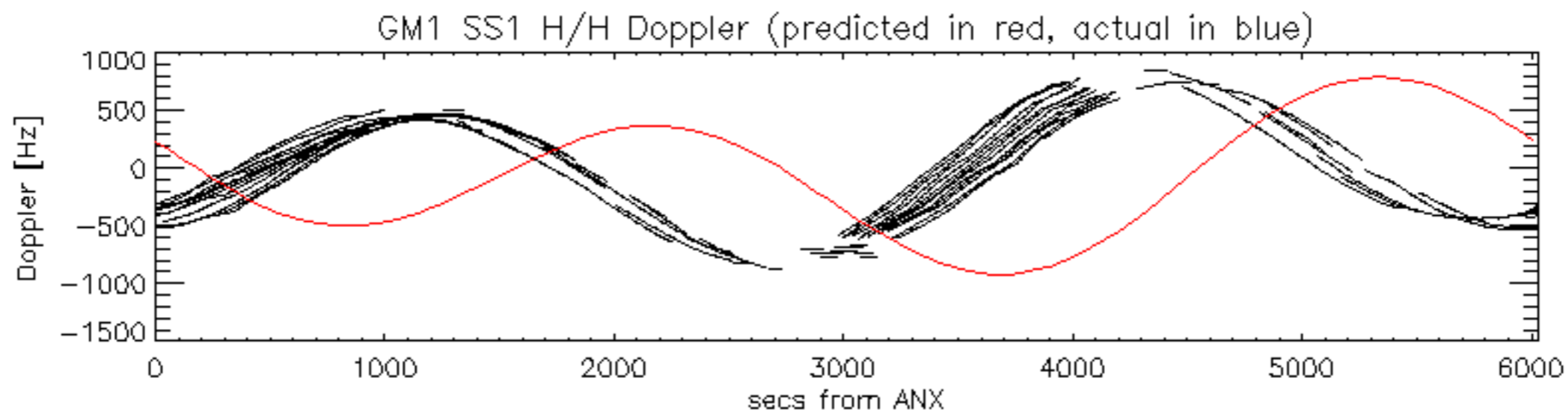
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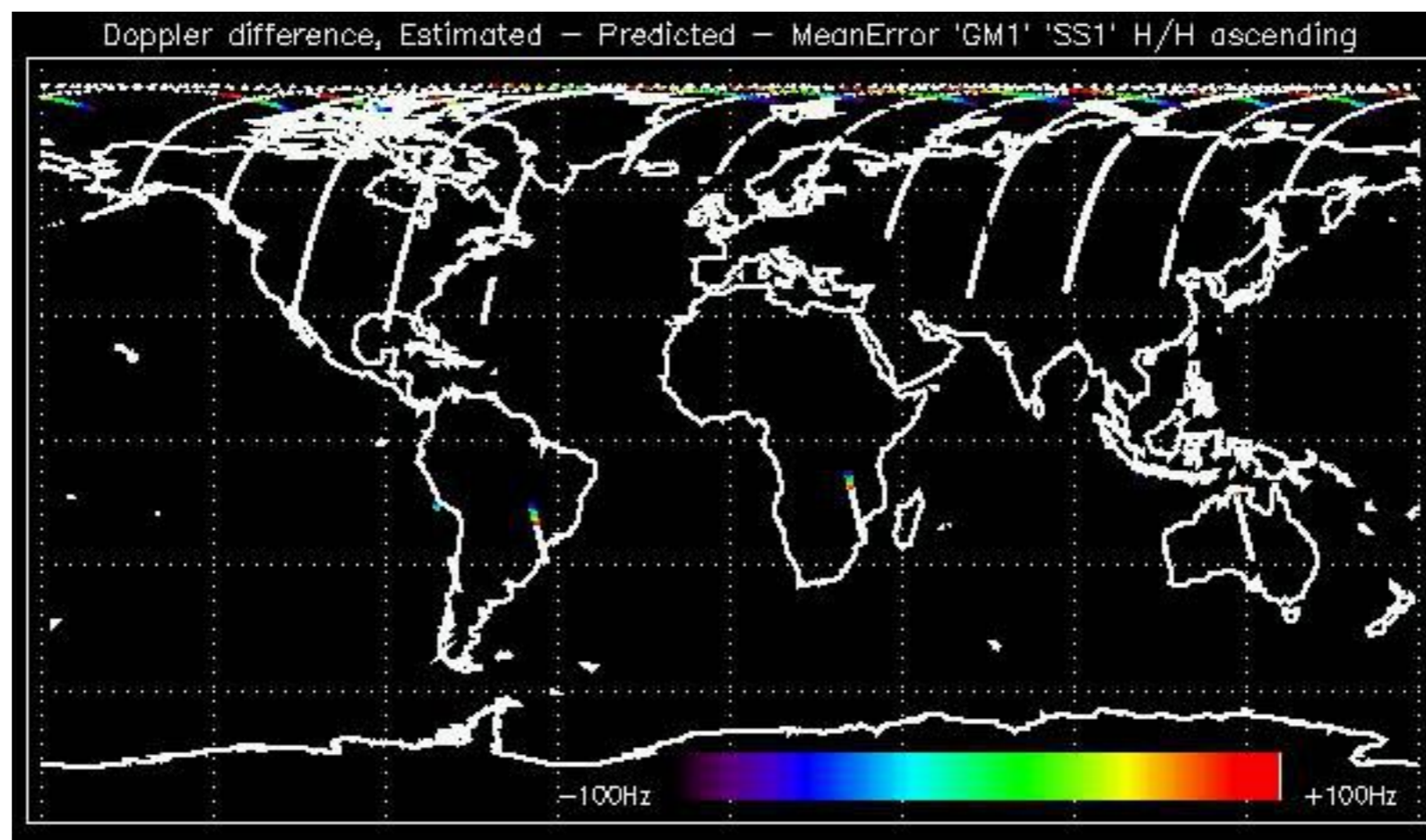
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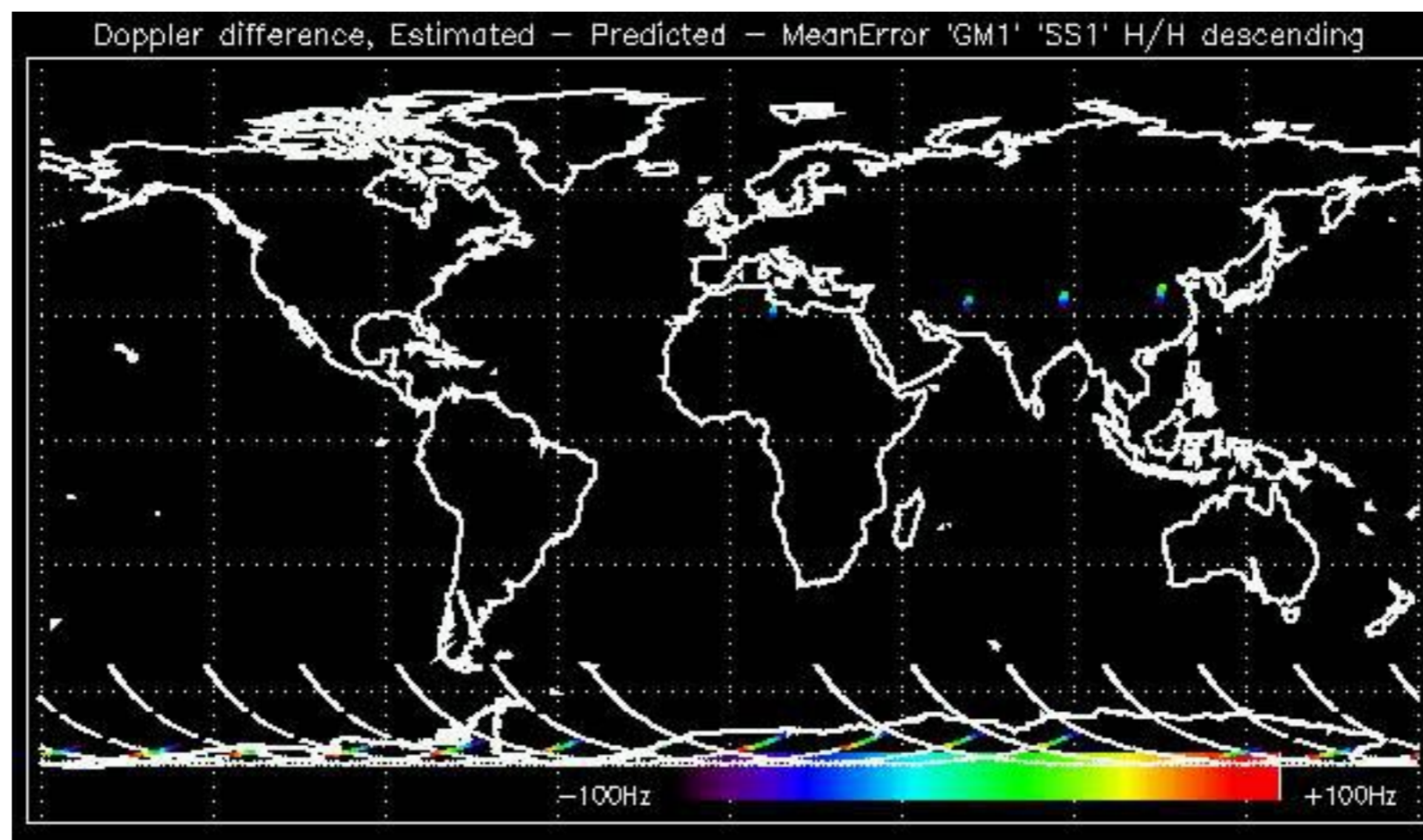
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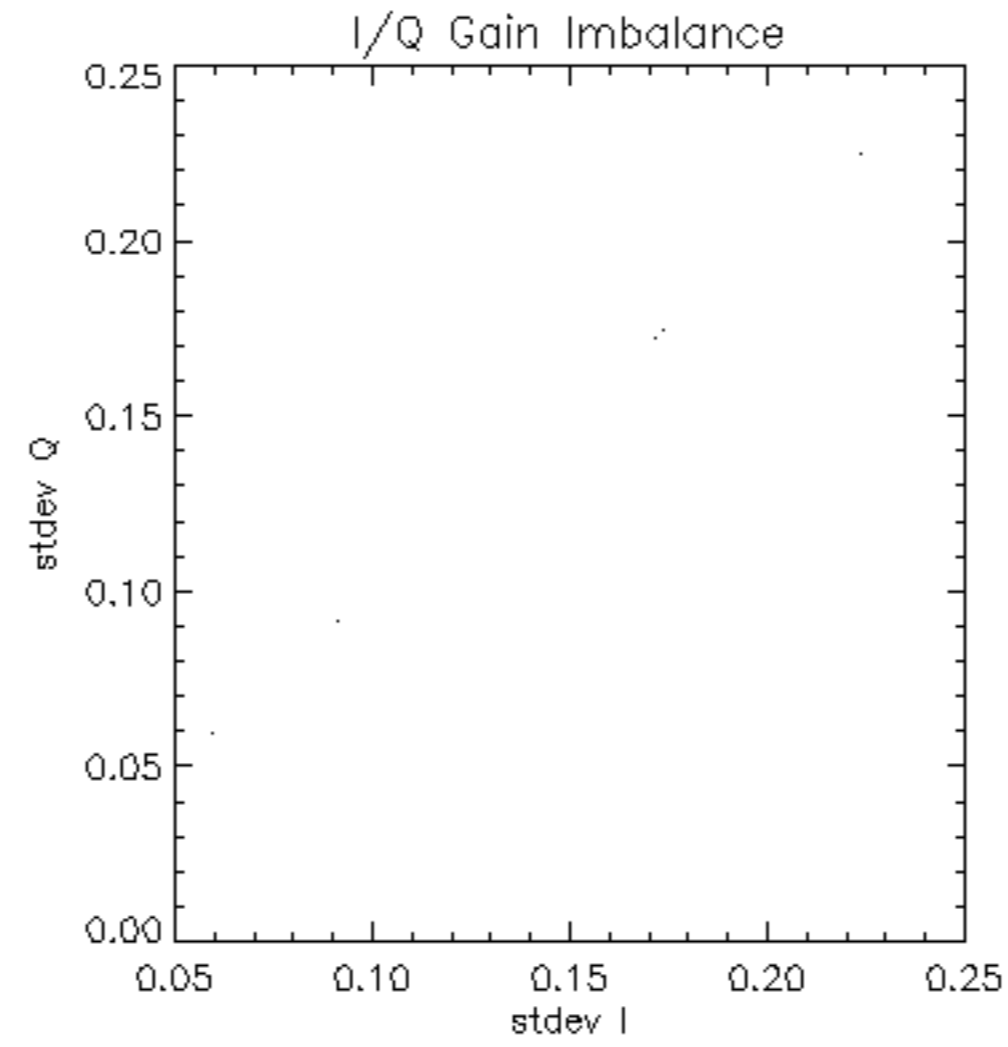


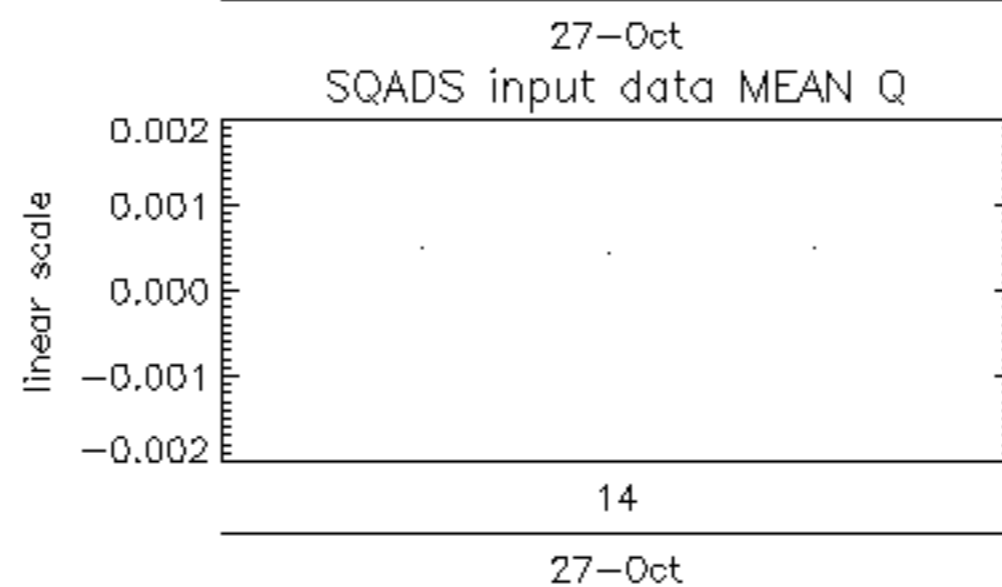
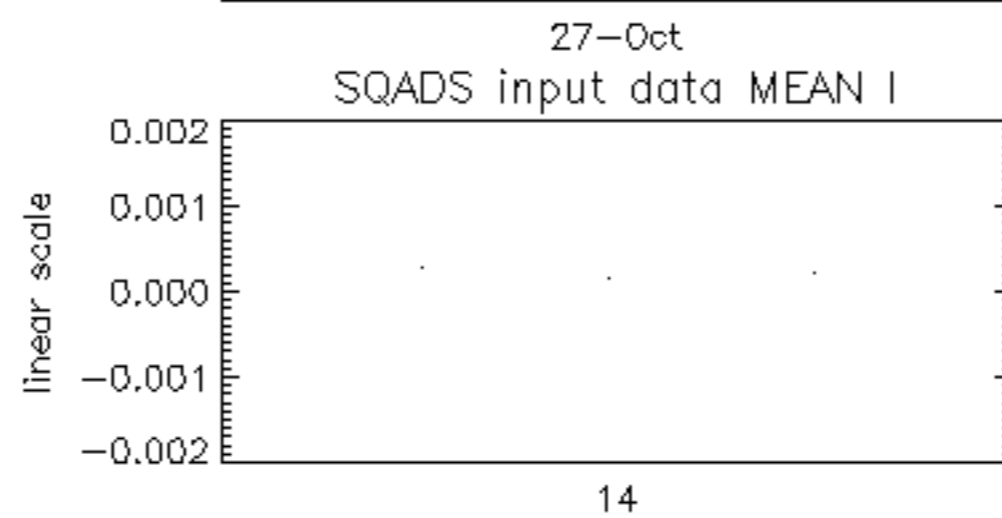
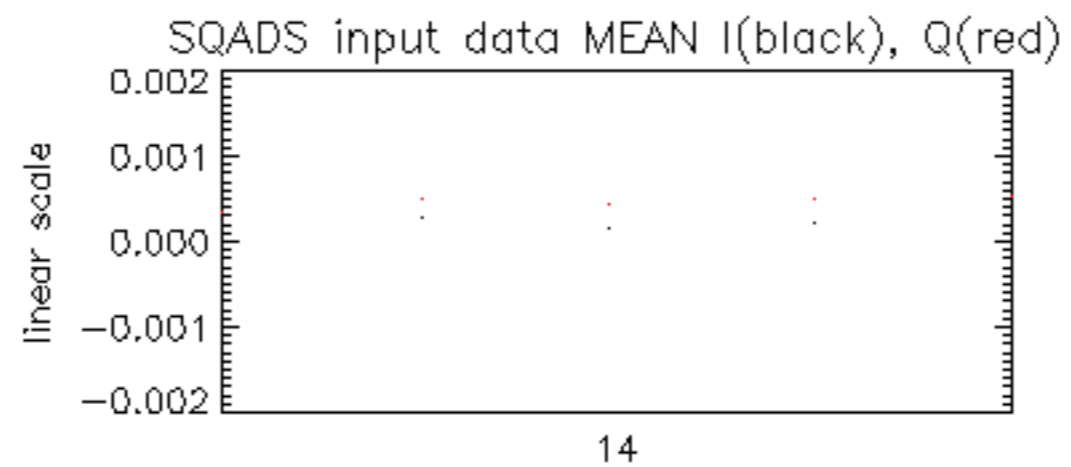


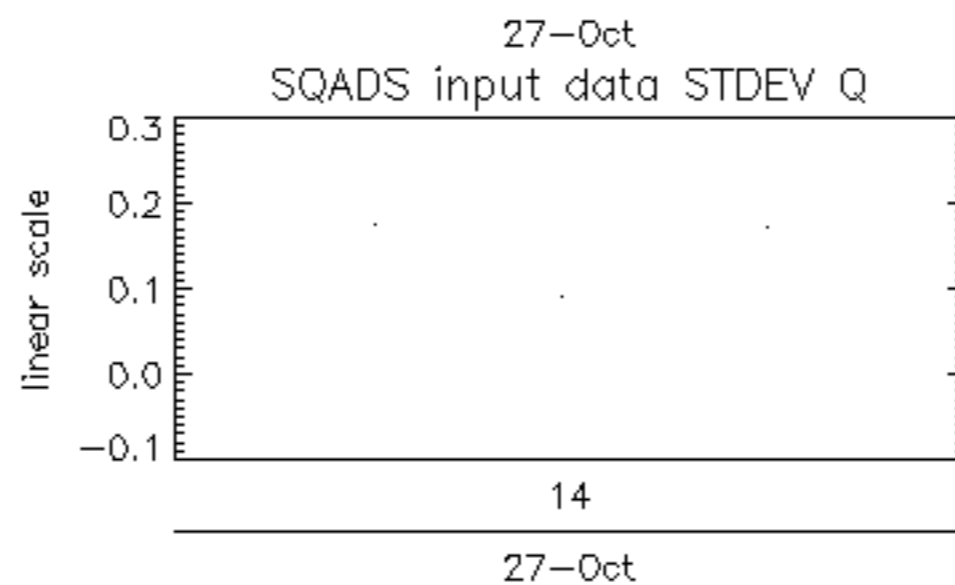
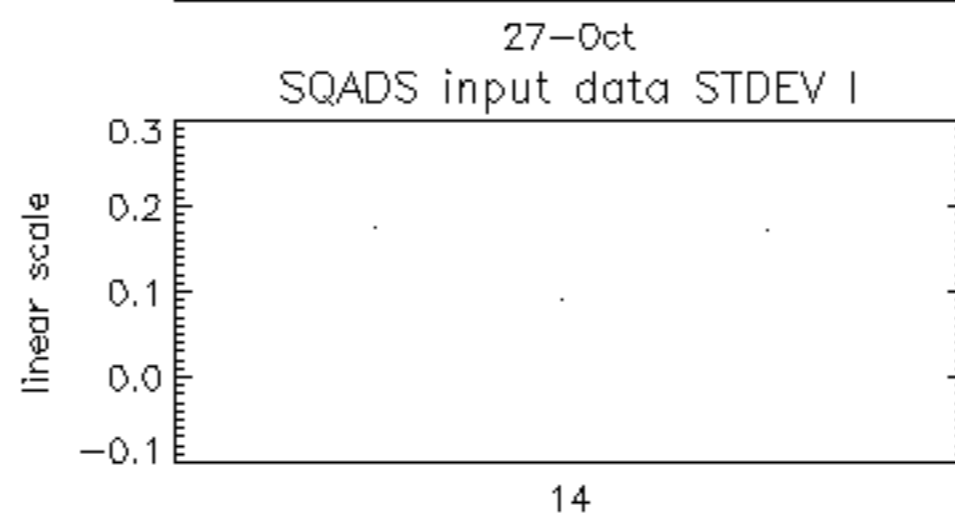
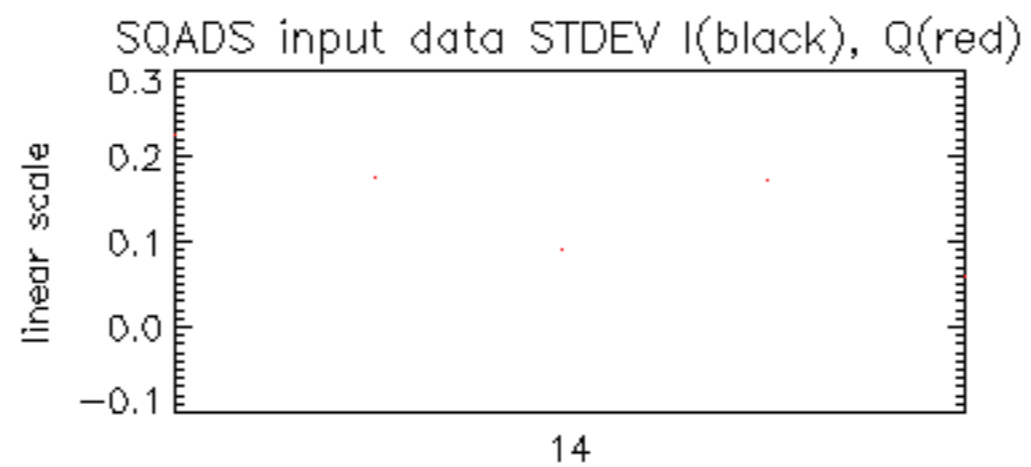














Reference: 2001-02-09 14:08:23 V RxGain  
 Test : 2010-10-27 21:24:23 V

