



Analysis from 18-JUN-2010 00:00:00 to 18-JUN-2010 23:59:59. Page generated on 19-JUN-2010 07:32:22.  
View log file: ASAR\_Daily\_Report\_20100619\_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	1	PDE	WS	H/H	28	PDE	IS1	H/H	1	PDE	IS1	V/V	2	PDE	WS	H/H	27	PDE	2010-06-18 03:34:04	V	320
PDE	IS2	V/V	27	PDK	WS	H/H	47	PDE	IS3	H/H	1	PDE	IS2	H/H	1	PDE	WS	V/V	9				
PDK	IS2	V/V	24					PDE	IS4	V/H	2	PDE	IS2	V/V	11	PDK	WS	H/H	14				
												PDE	IS3	H/H	2	PDK	WS	V/V	5				
												PDE	IS6	V/V	1								
												PDK	IS2	V/V	6								

## 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 ]

No IECF ADFs list available

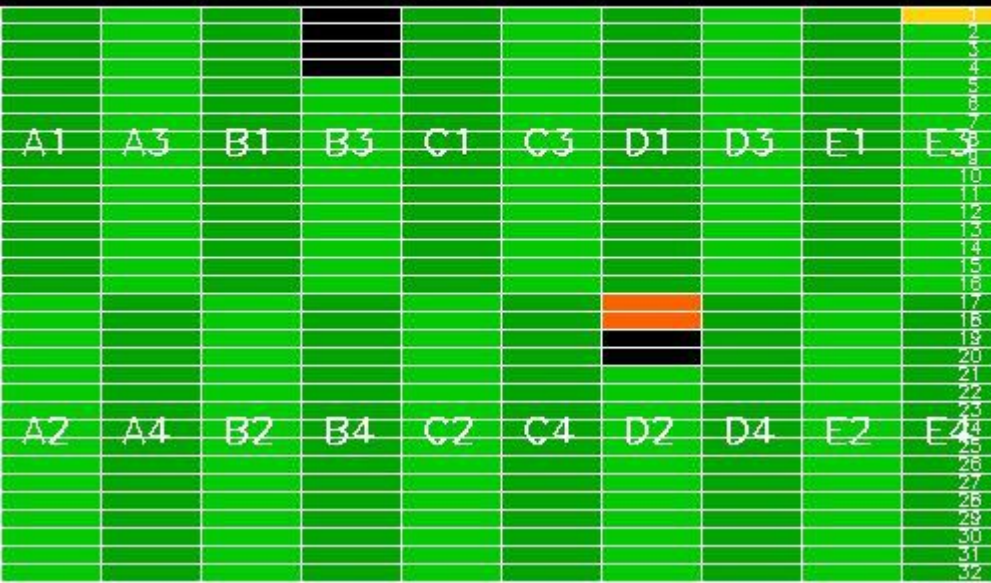
### 2.2 - Products with wrong ADFs

[ BACK TO MENU ]

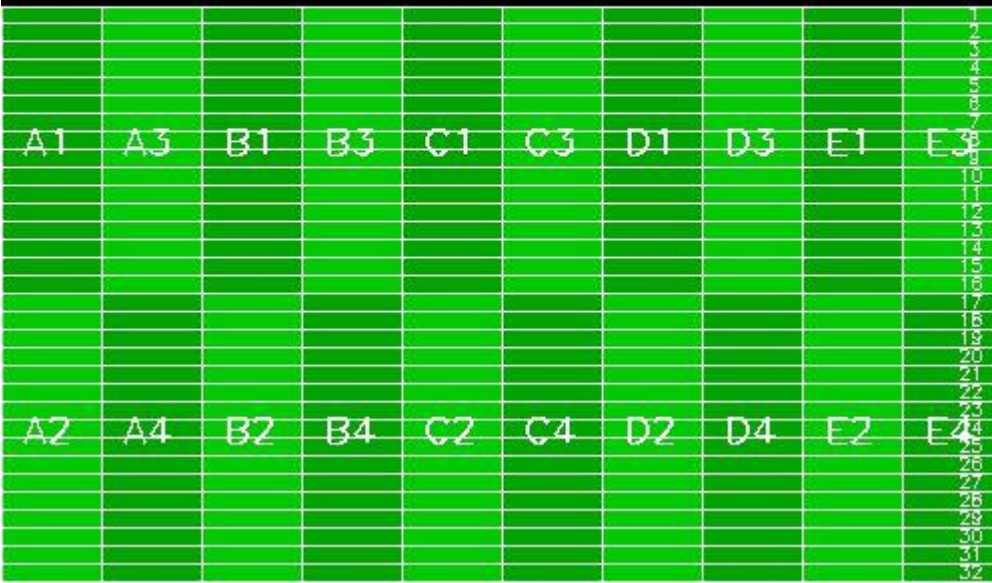
## 3 - MODULE STEPPING PRODUCTS ANALYSIS

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

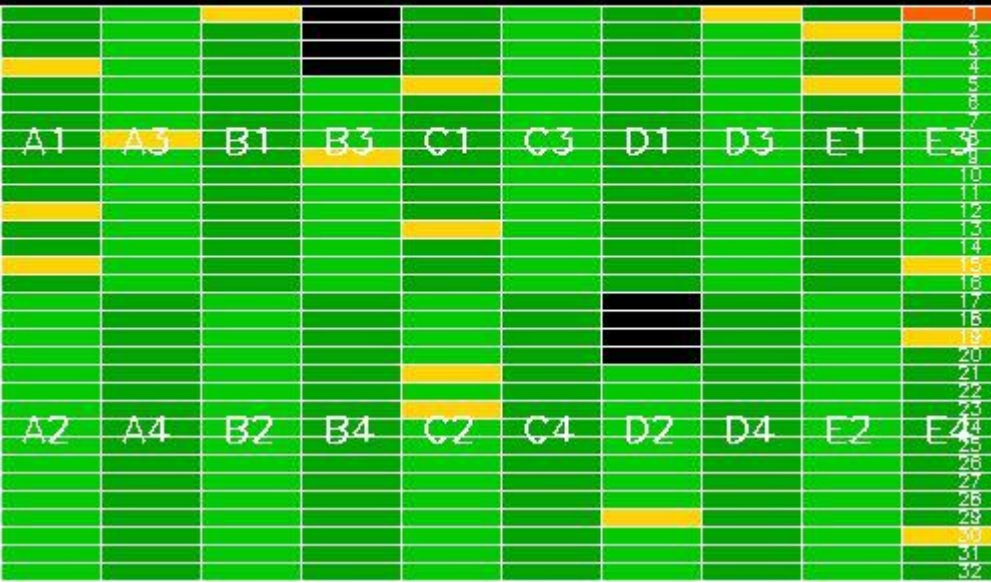
Reference: 2001-02-09 14:08:23 V RxGain  
 Test : 2010-06-18 03:34:04 V



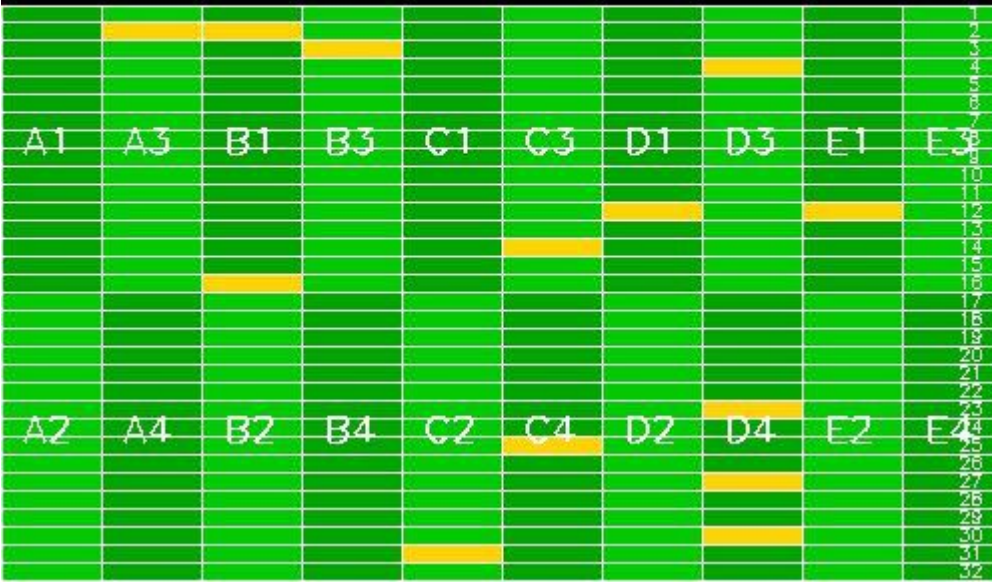
Reference: 2010-06-16 04:37:18 V RxGain  
 Test : 2010-06-18 03:34:04 V

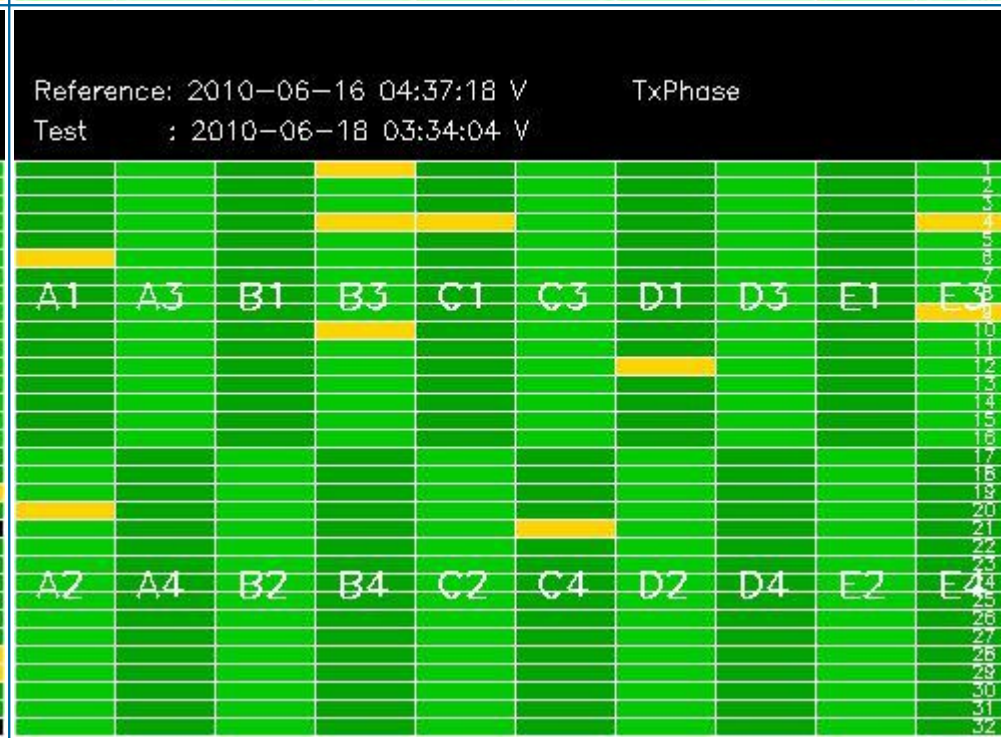
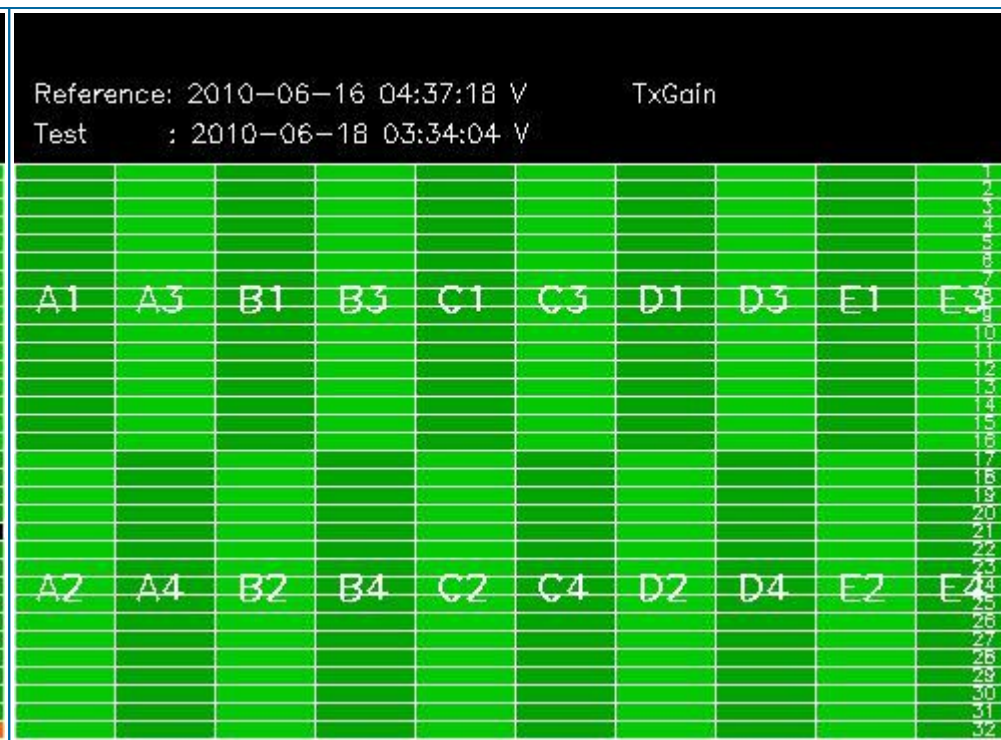
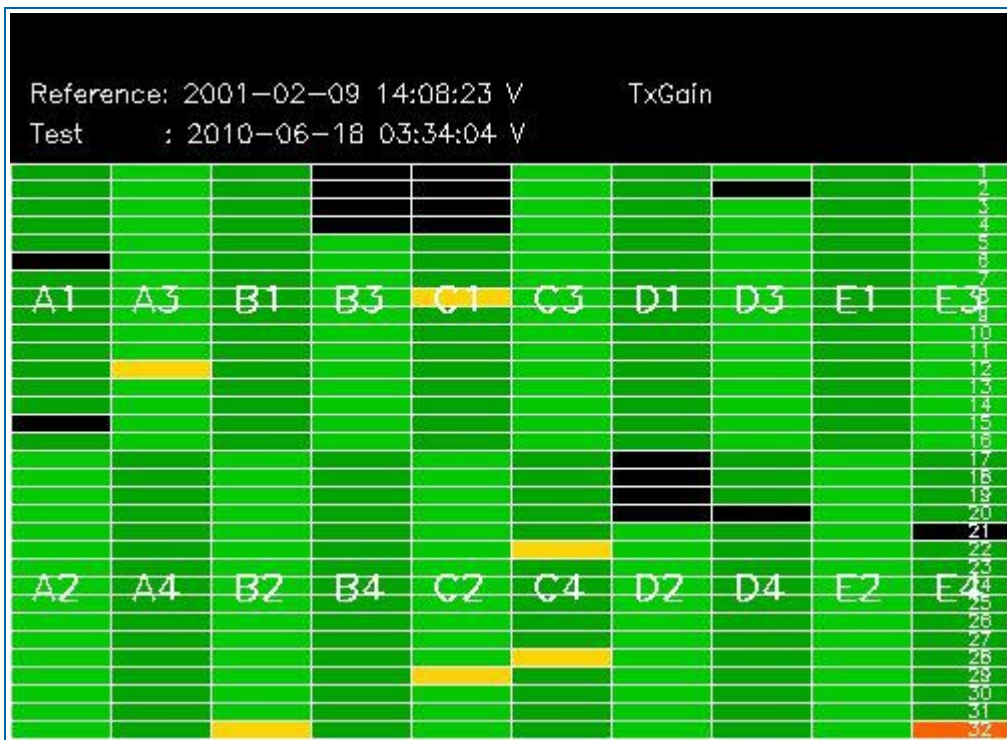


Reference: 2001-02-09 14:08:23 V RxPhase  
 Test : 2010-06-18 03:34:04 V



Reference: 2010-06-16 04:37:18 V RxPhase  
 Test : 2010-06-18 03:34:04 V





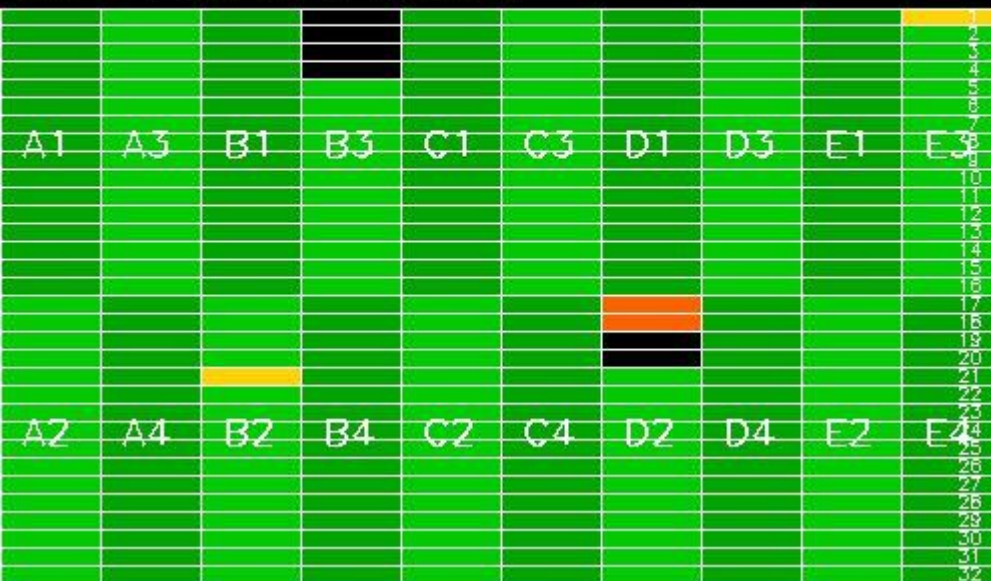
### 3.2 - H/H polarisation

[ [BACK TO MENU](#) ]

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

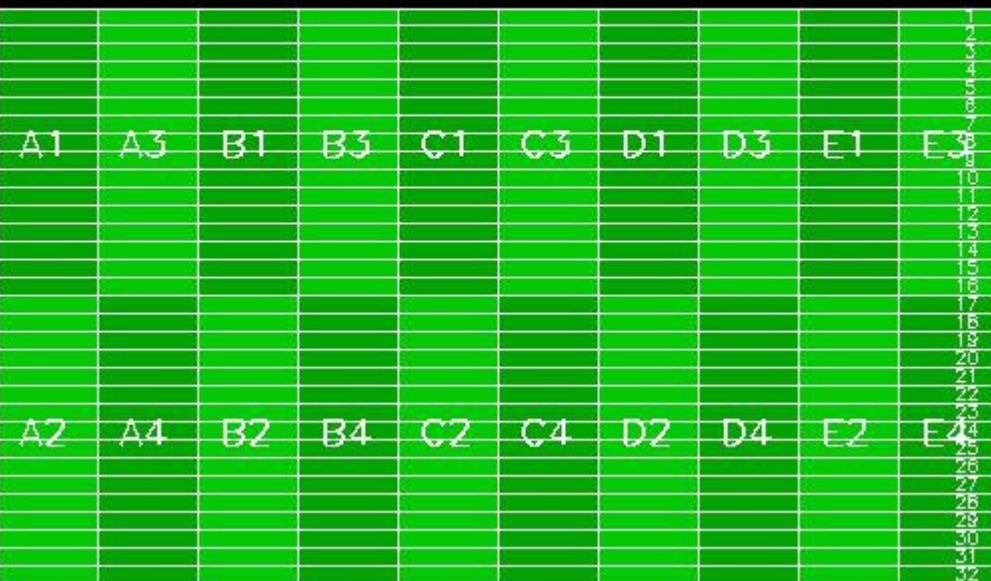
Reference: 2001-02-09 13:50:42 H RxGain

Test : 2010-06-17 04:05:41 H



Reference: 2010-06-15 05:08:55 H RxGain

Test : 2010-06-17 04:05:41 H



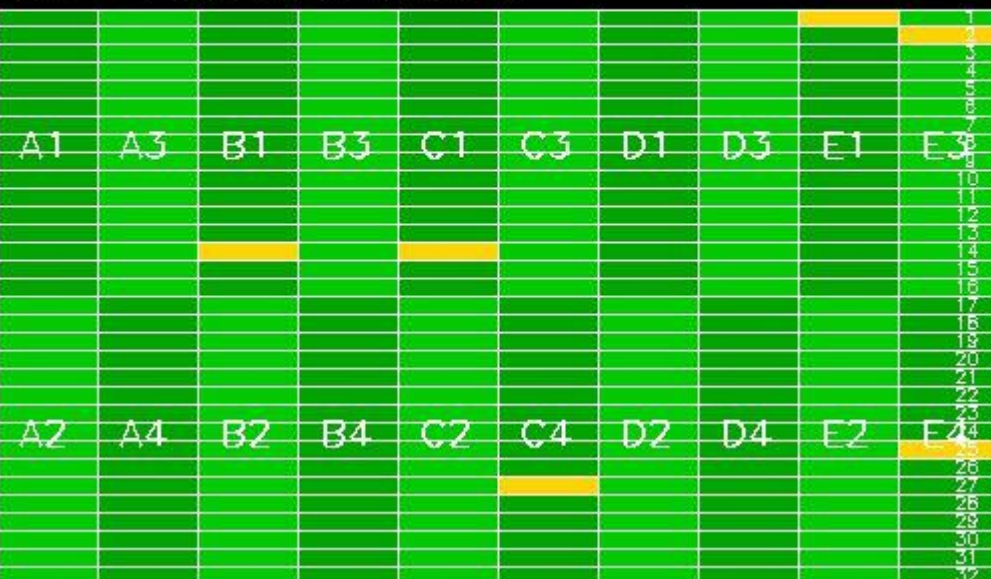
Reference: 2001-02-09 13:50:42 H RxPhase

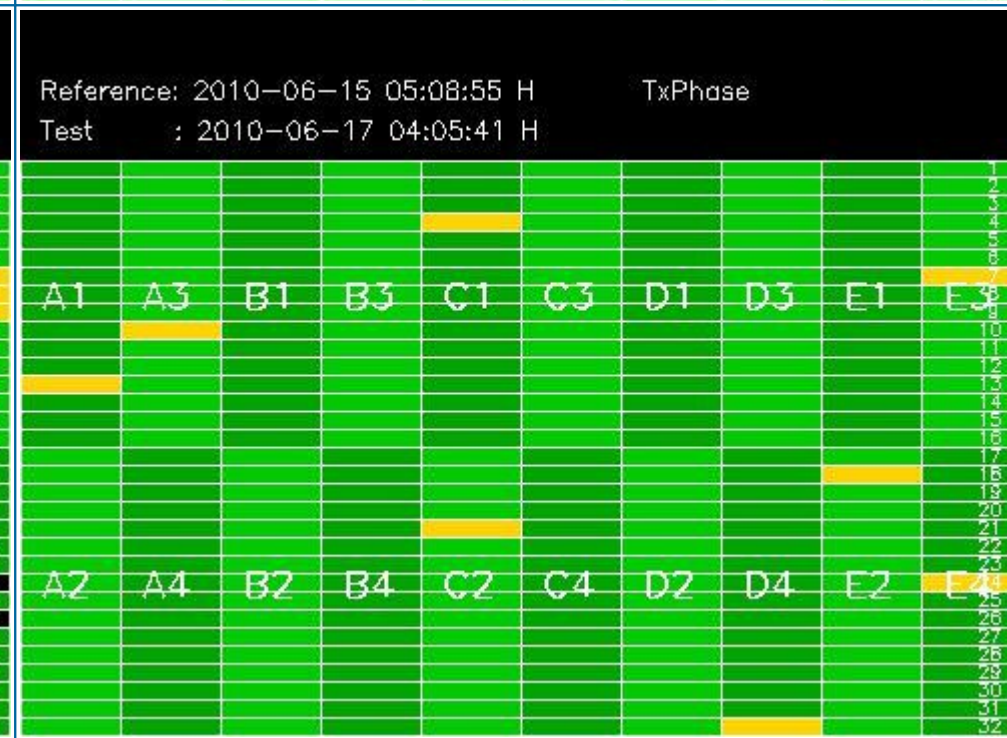
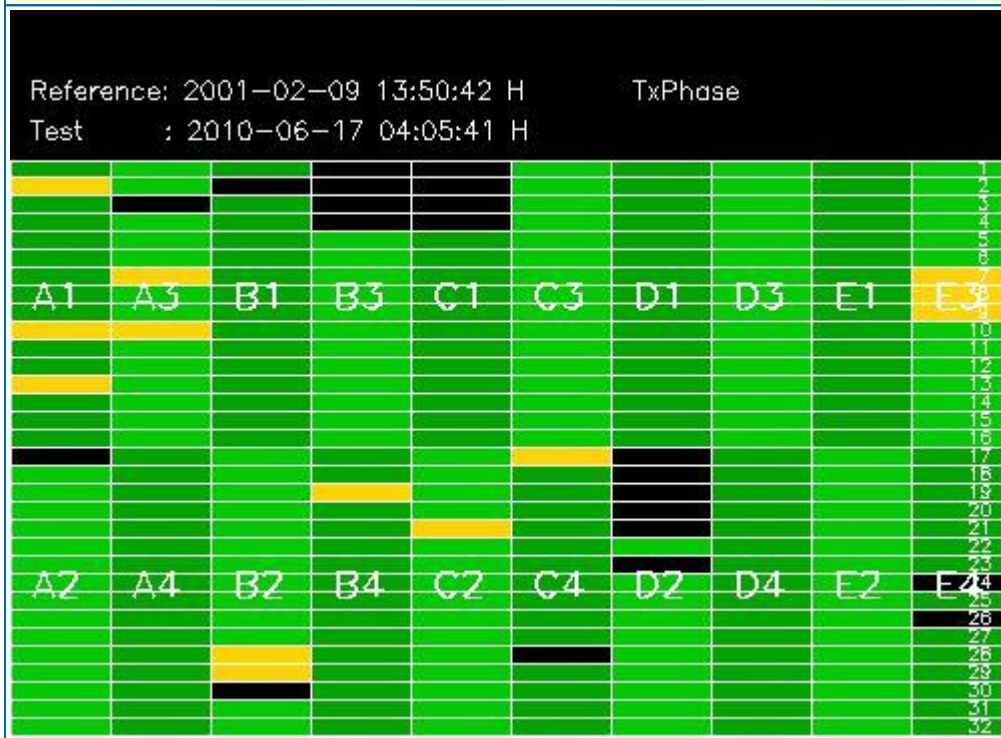
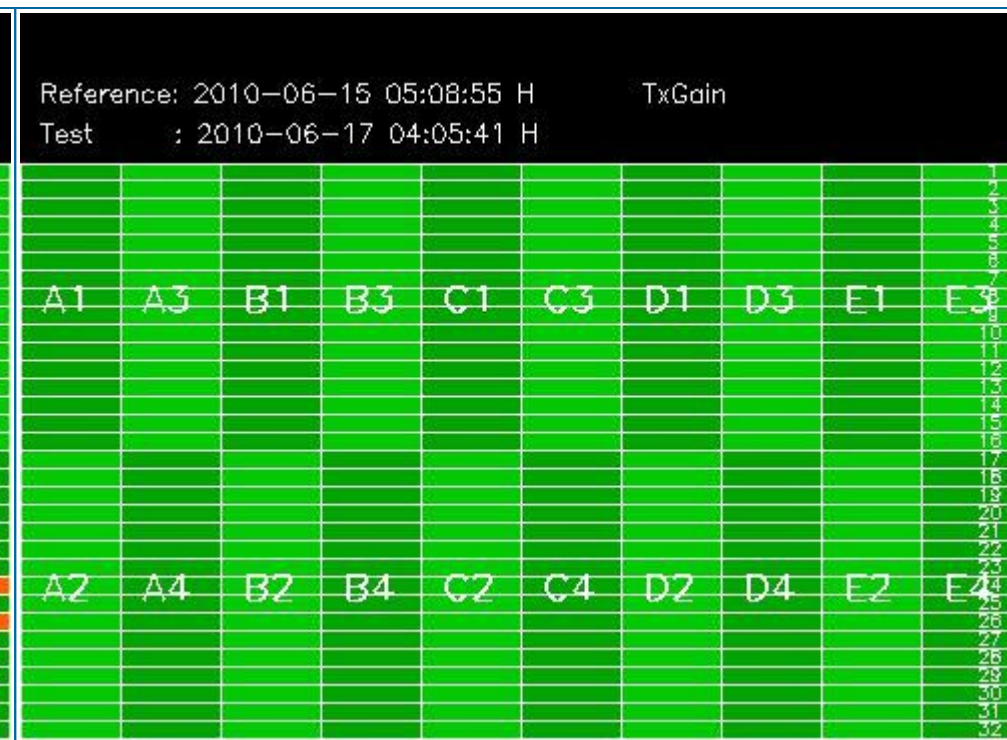
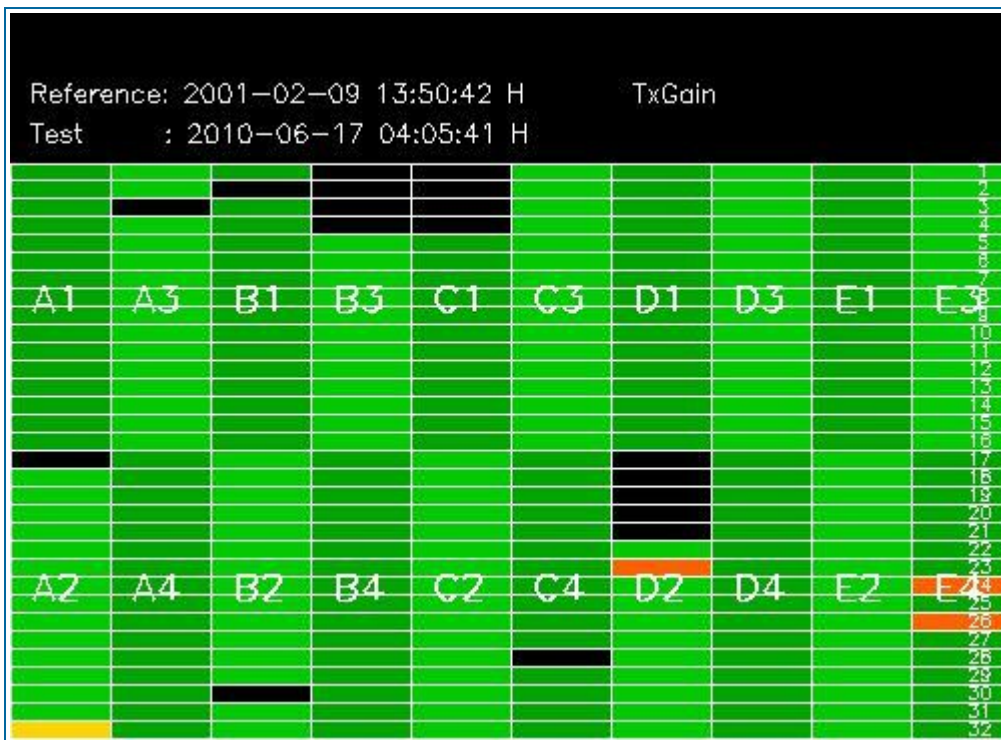
Test : 2010-06-17 04:05:41 H



Reference: 2010-06-15 05:08:55 H RxPhase

Test : 2010-06-17 04:05:41 H





## 4 - CALIBRATION PULSES ANALYSIS

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

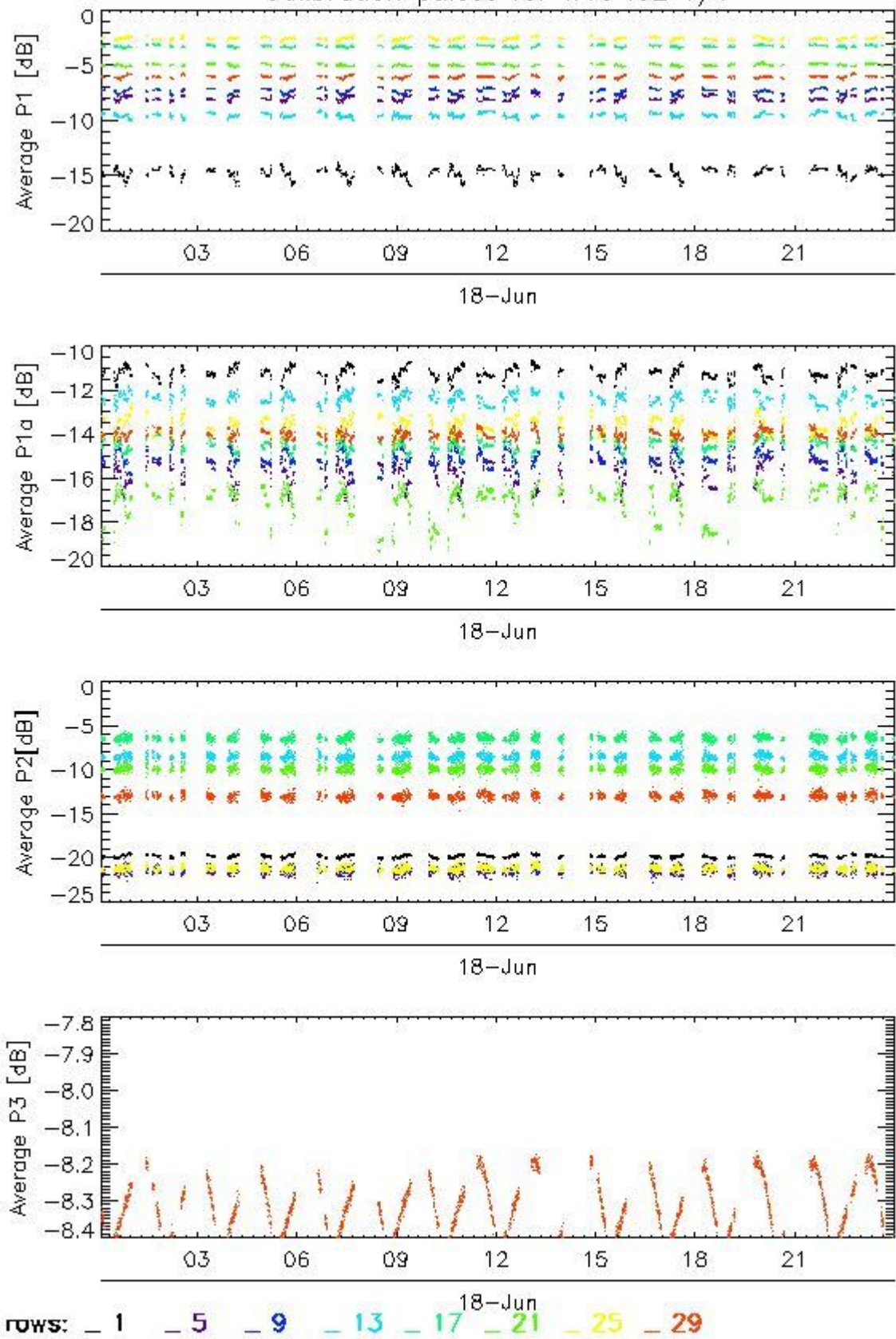
#### 4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[ BACK TO MENU ]

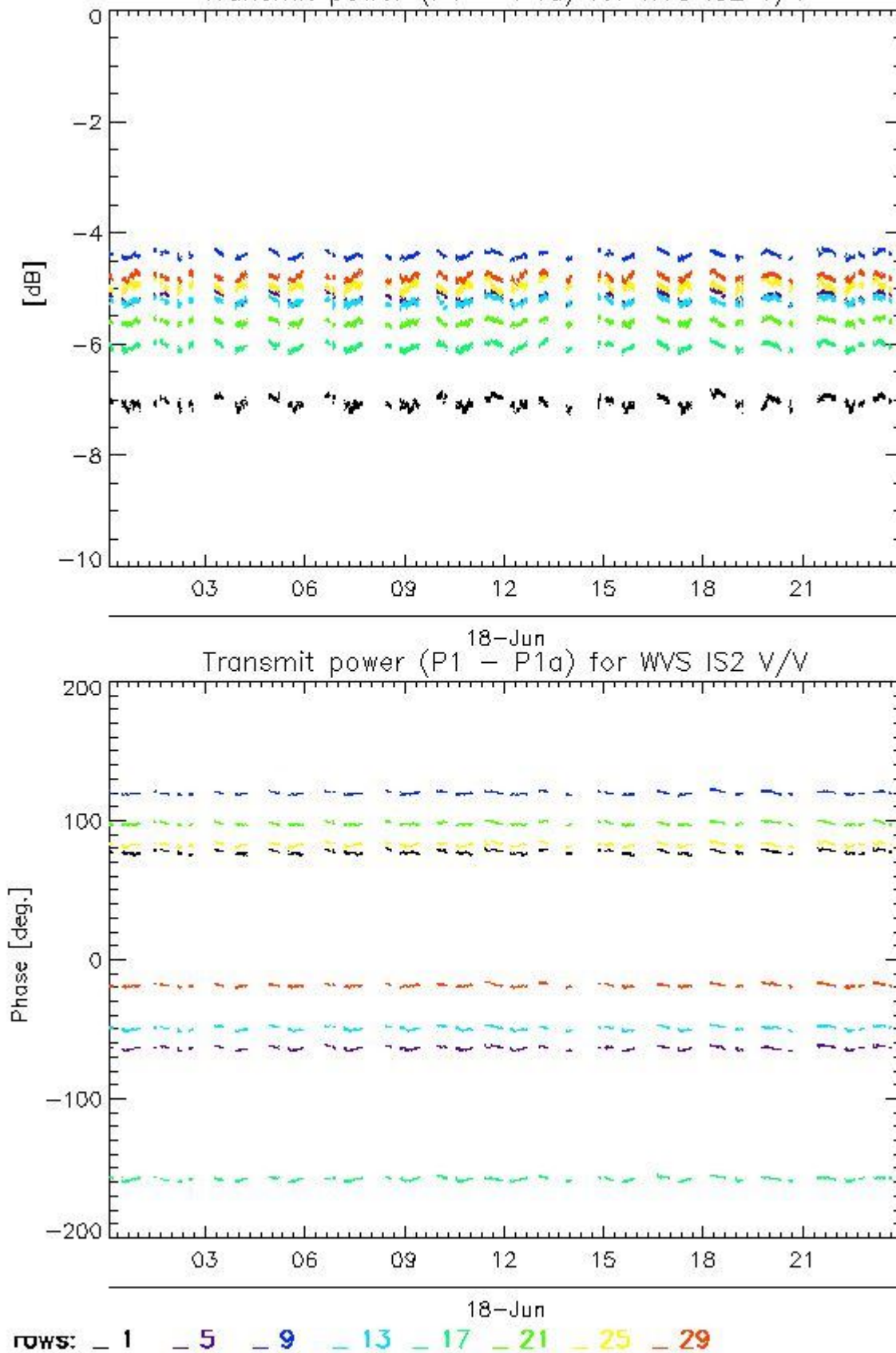
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



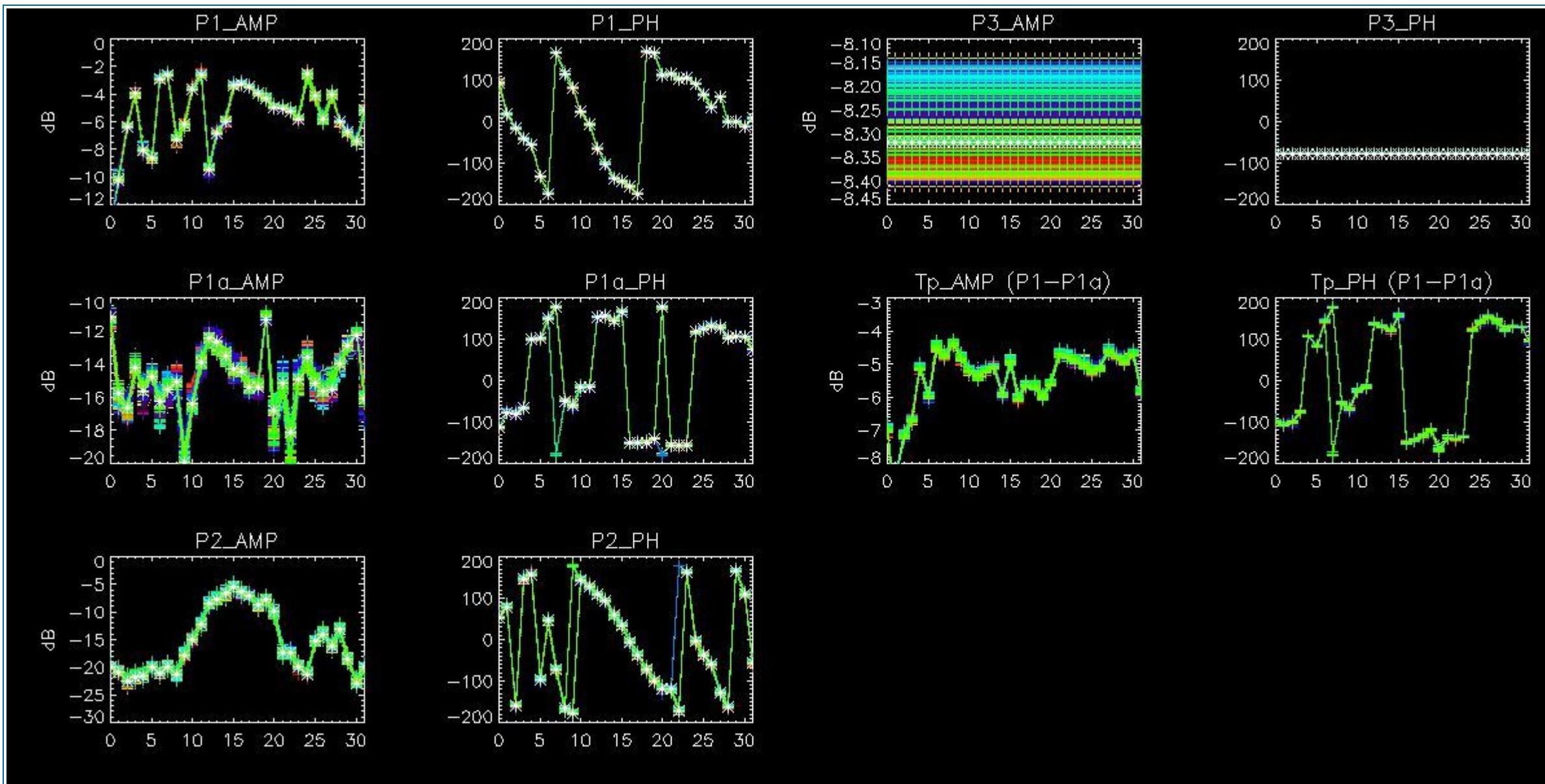
Transmit power (P1 - P1a) for WVS IS2 V/V



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

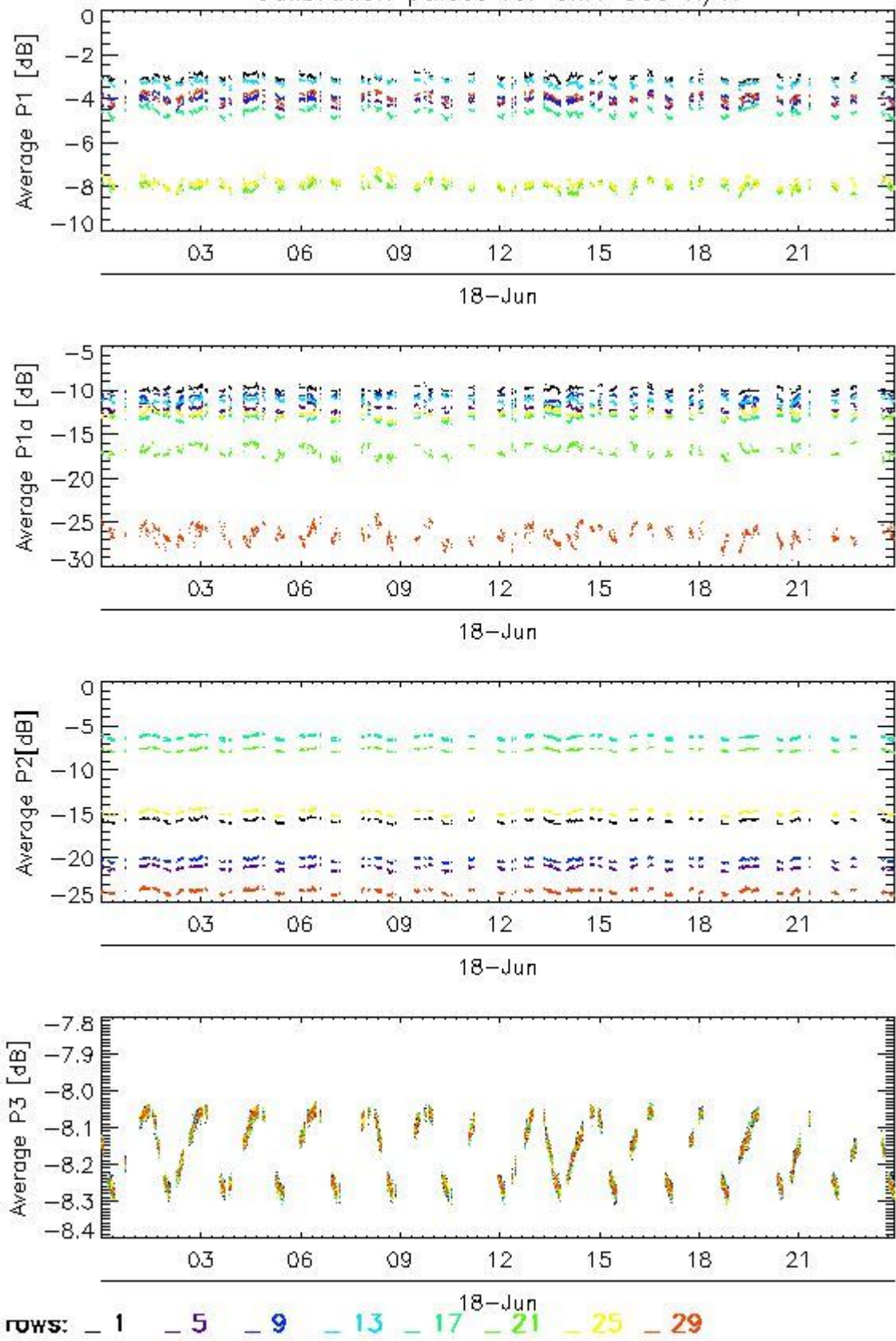
[ BACK TO MENU ]

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]

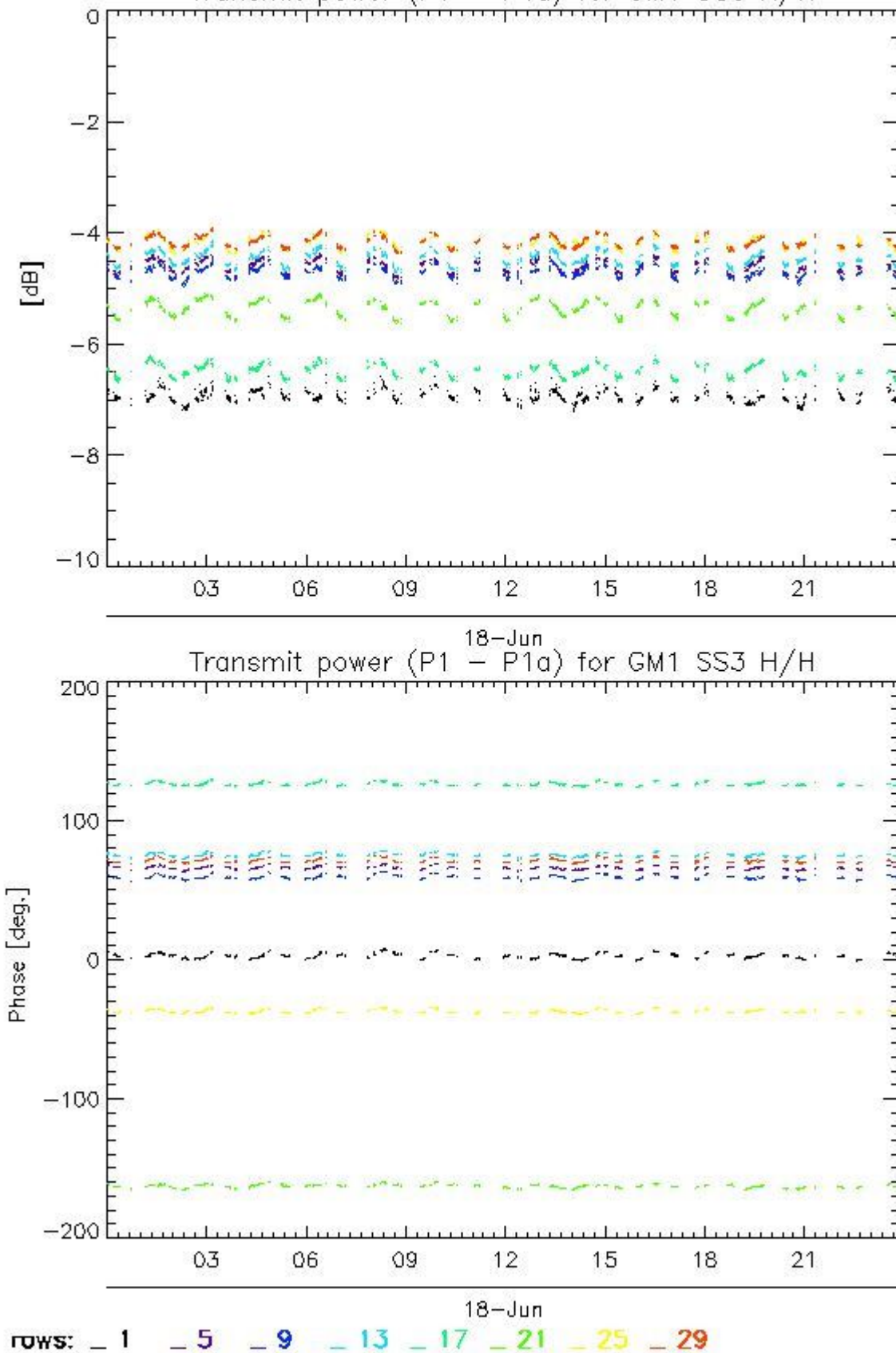
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]



Calibration pulses for GM1 SS3 H/H



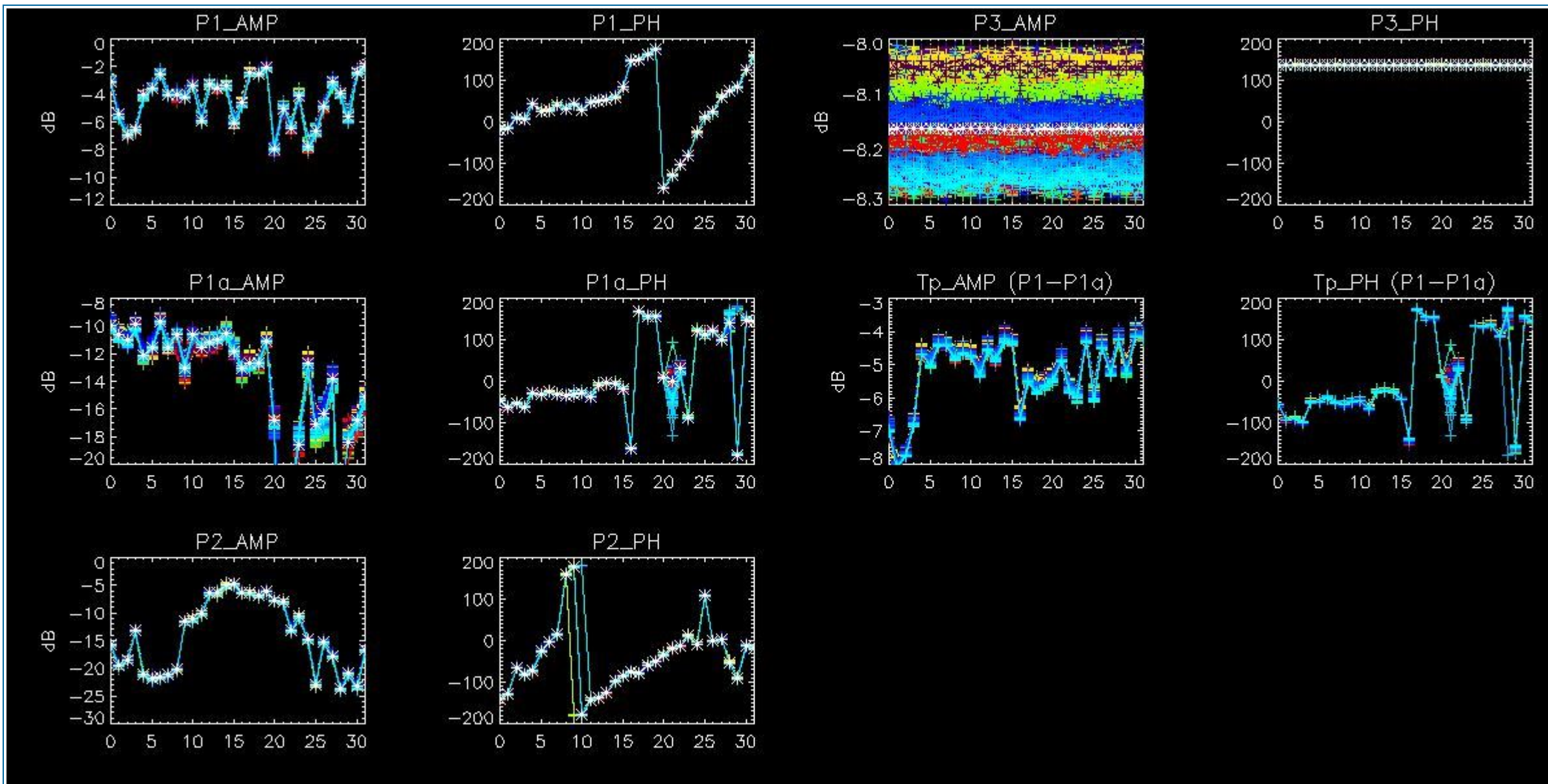
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[ BACK TO MENU ]





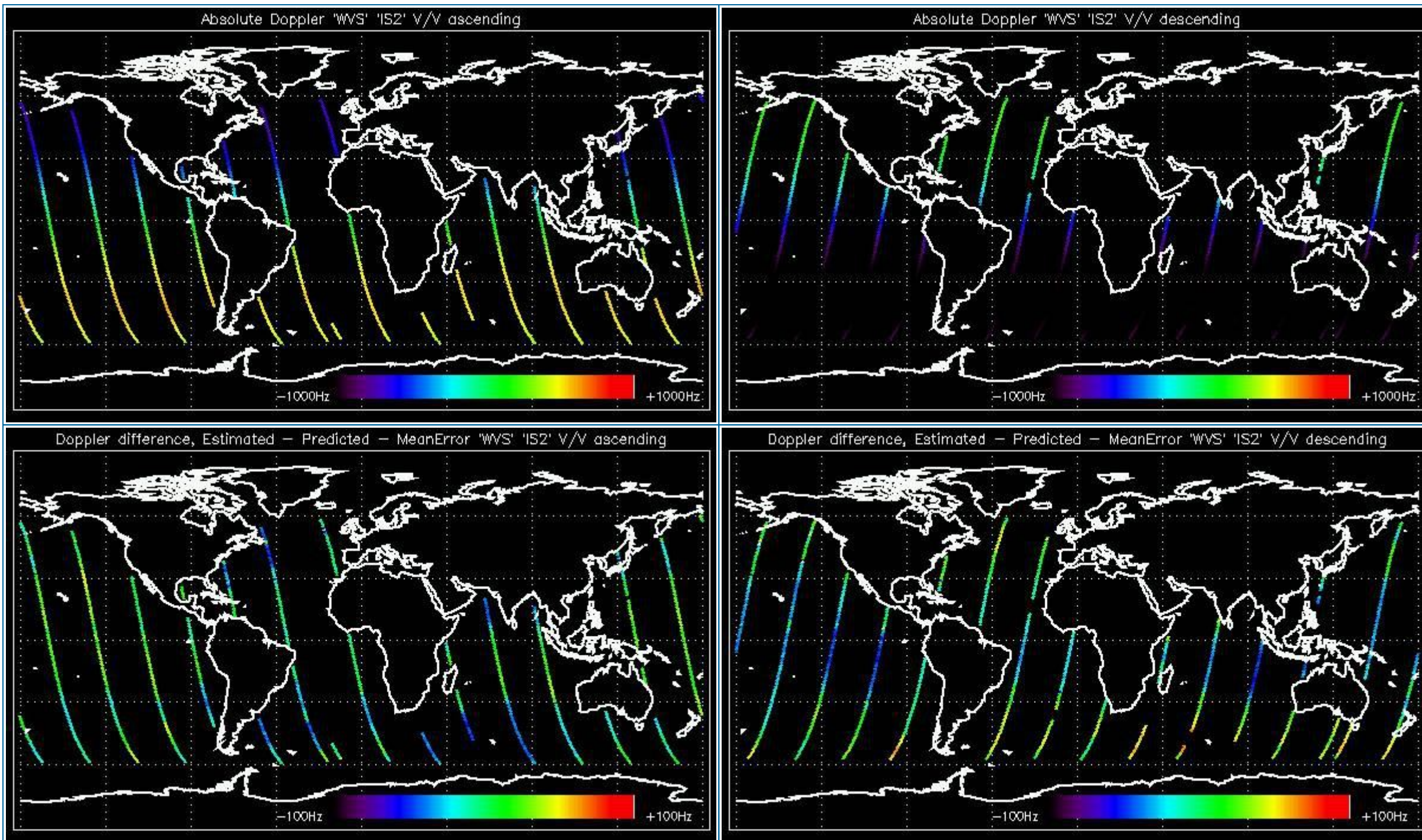
## 5 - DOPPLER ANALYSIS

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

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

[ [BACK TO MENU](#) ]

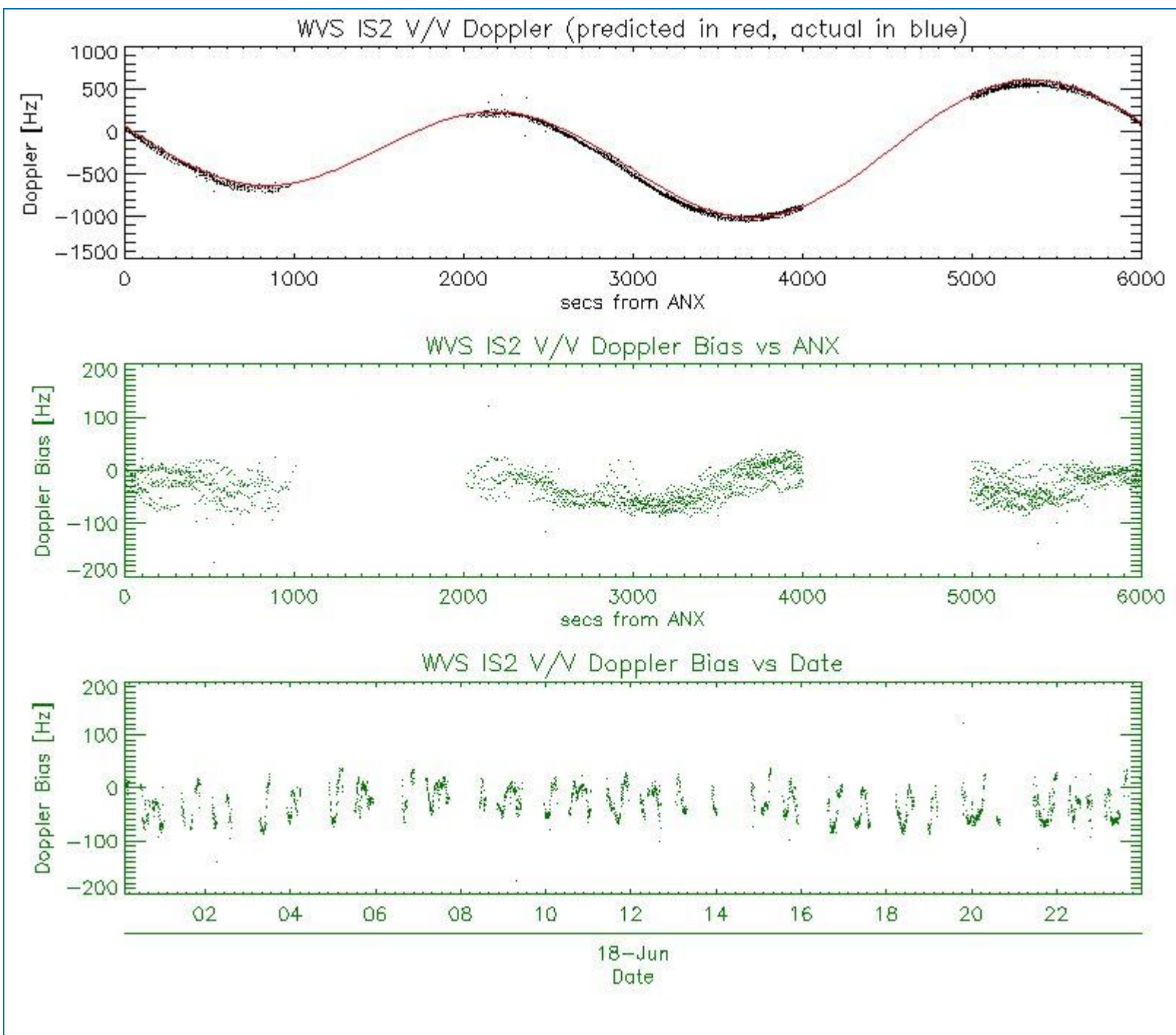




### 5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[ [BACK TO MENU](#) ]



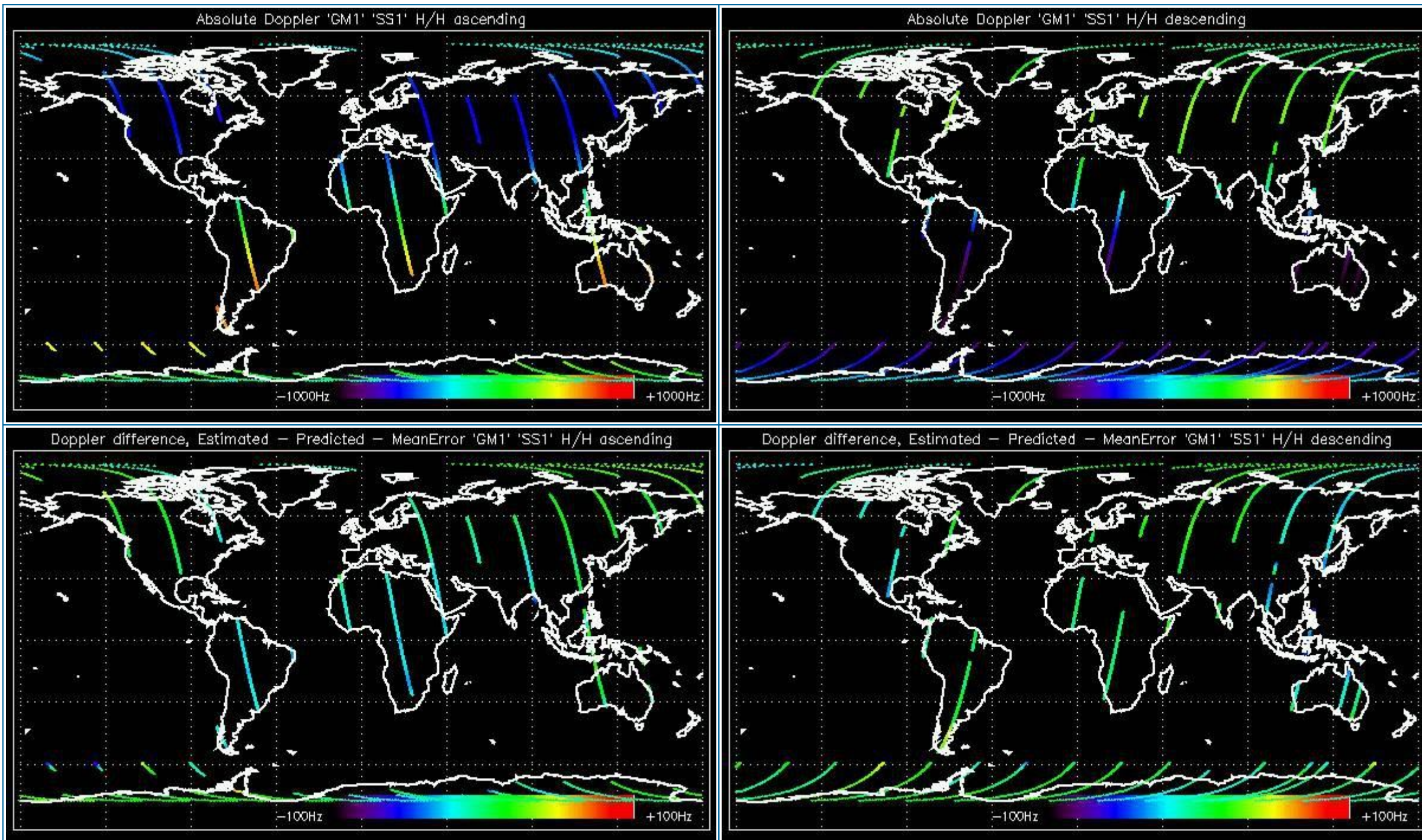


## 5.2 - Analysis for GM1 SS1 H/H

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

[ [BACK TO MENU](#) ]

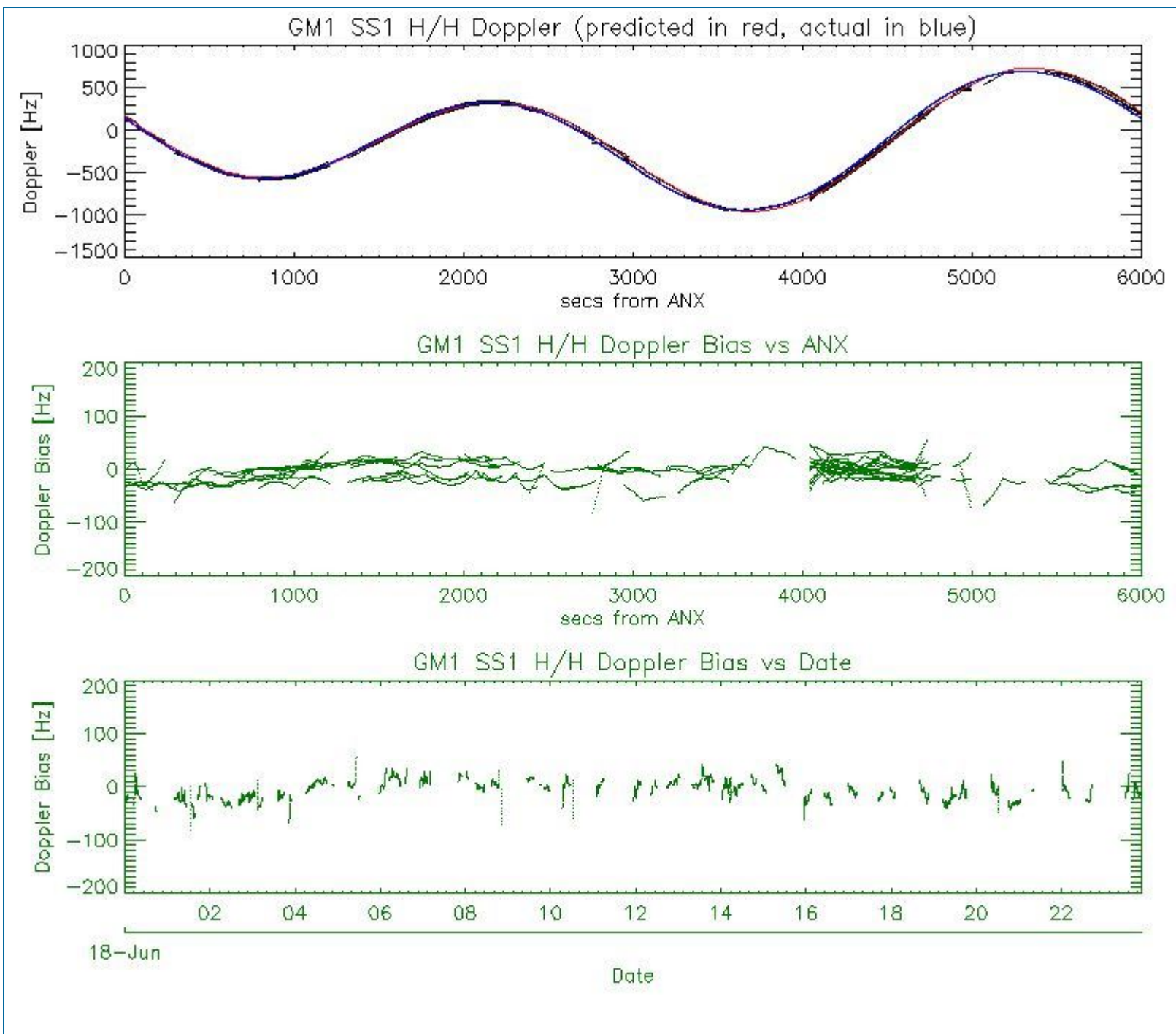




### 5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[ [BACK TO MENU](#) ]

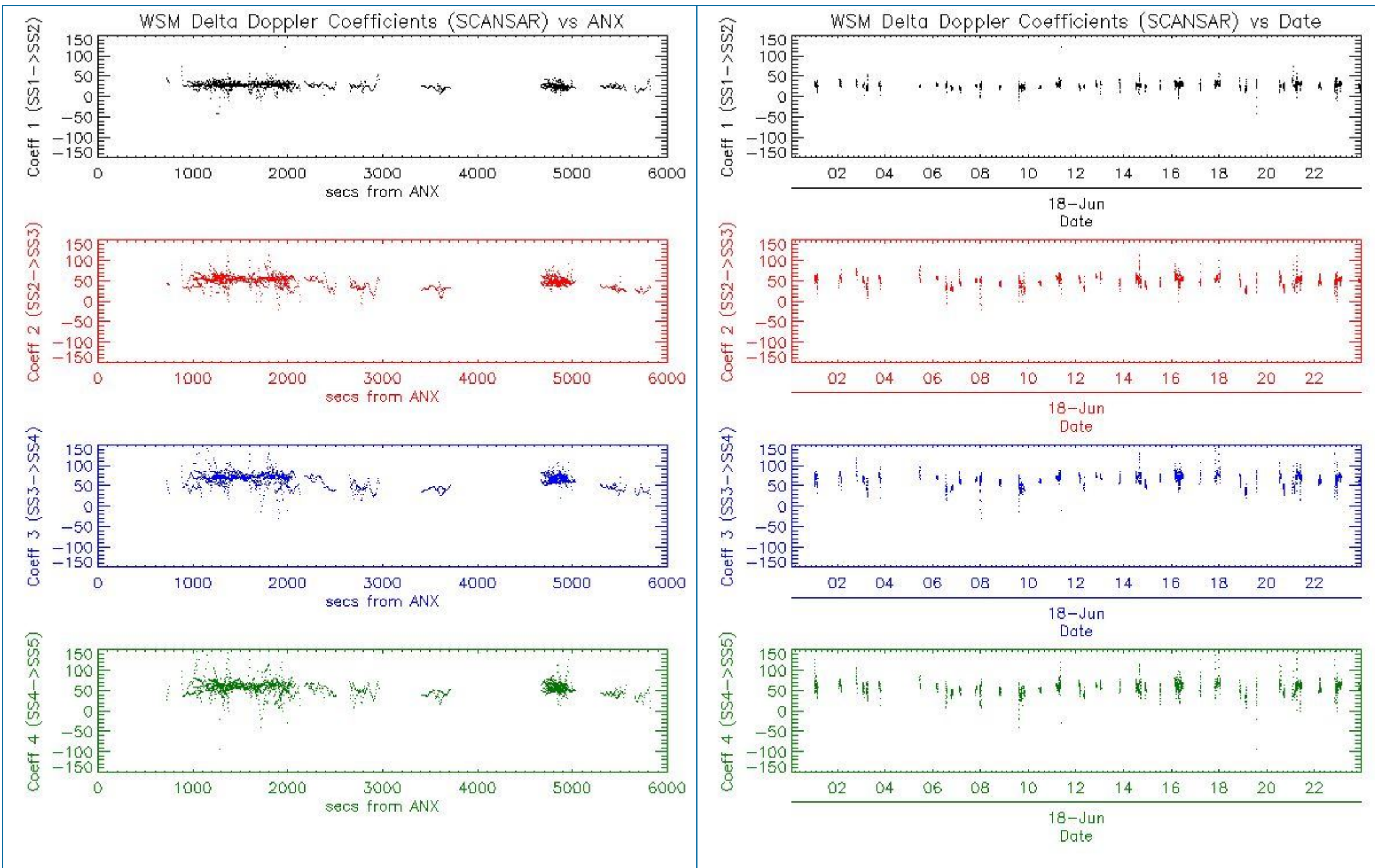




### 5.3 - Doppler JUMPS Analysis for WSM

[ [BACK TO MENU](#) ]

--	--

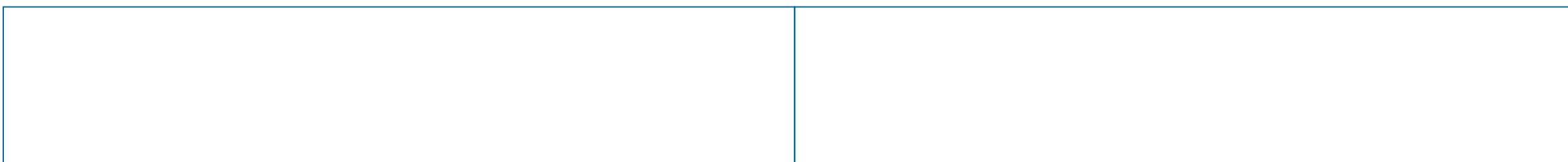


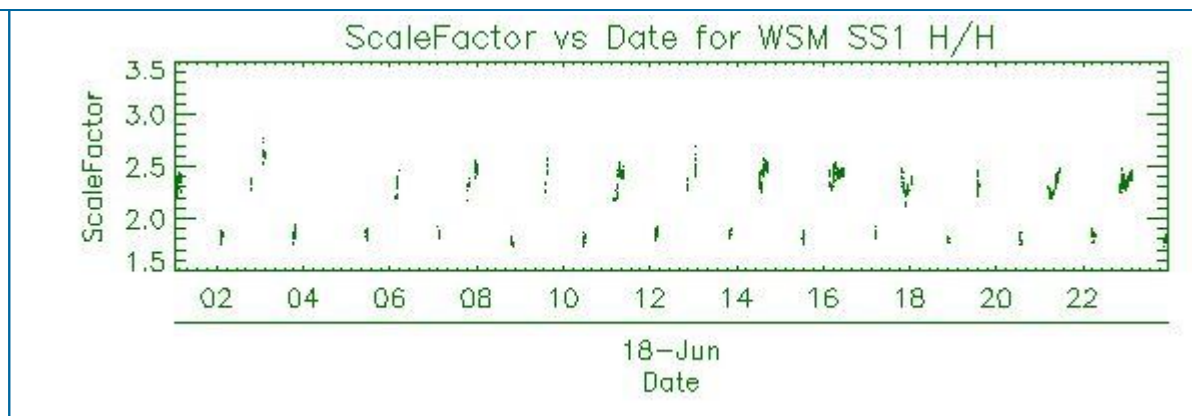
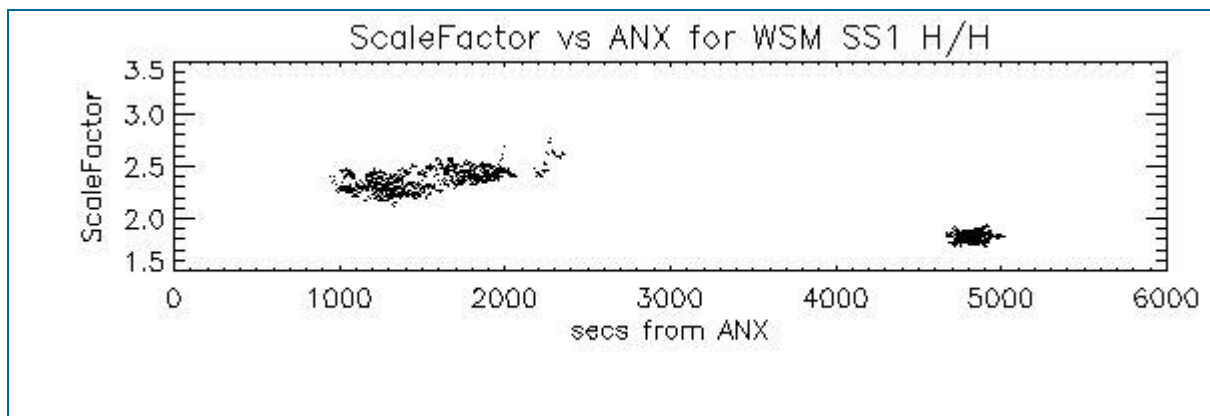
## 6 - CHIRP ANALYSIS

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

#### 6.1.1 - ScaleFactor

[ [BACK TO MENU](#) ]

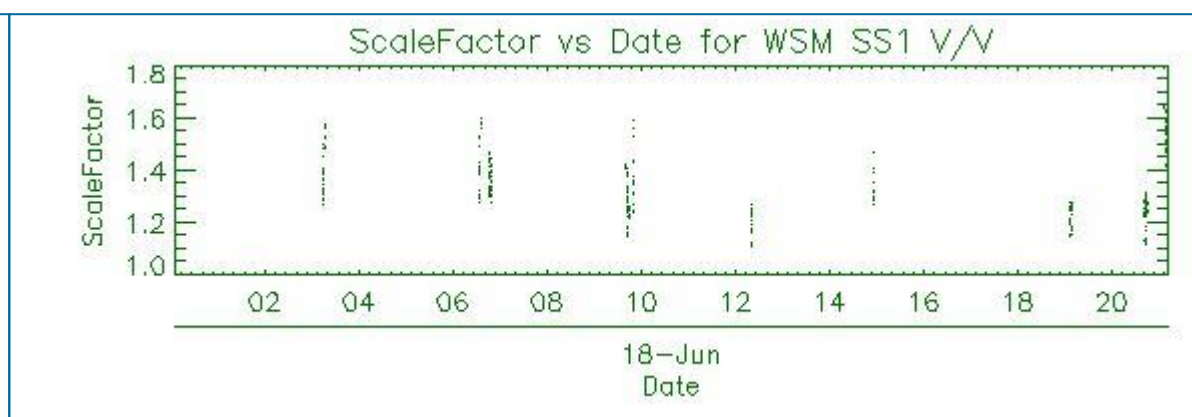
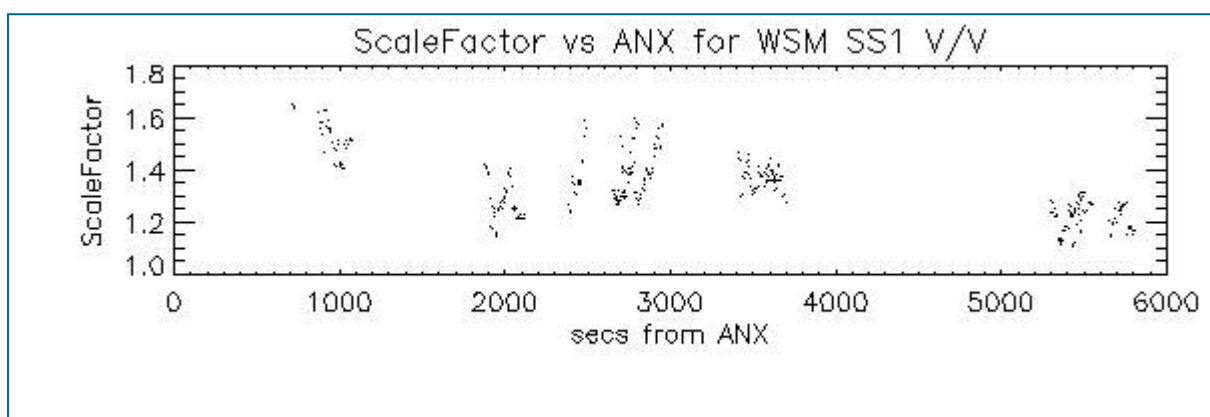




## 6.2 - Analysis for WSM SS1 V/V

### 6.2.1 - ScaleFactor

[ [BACK TO MENU](#) ]



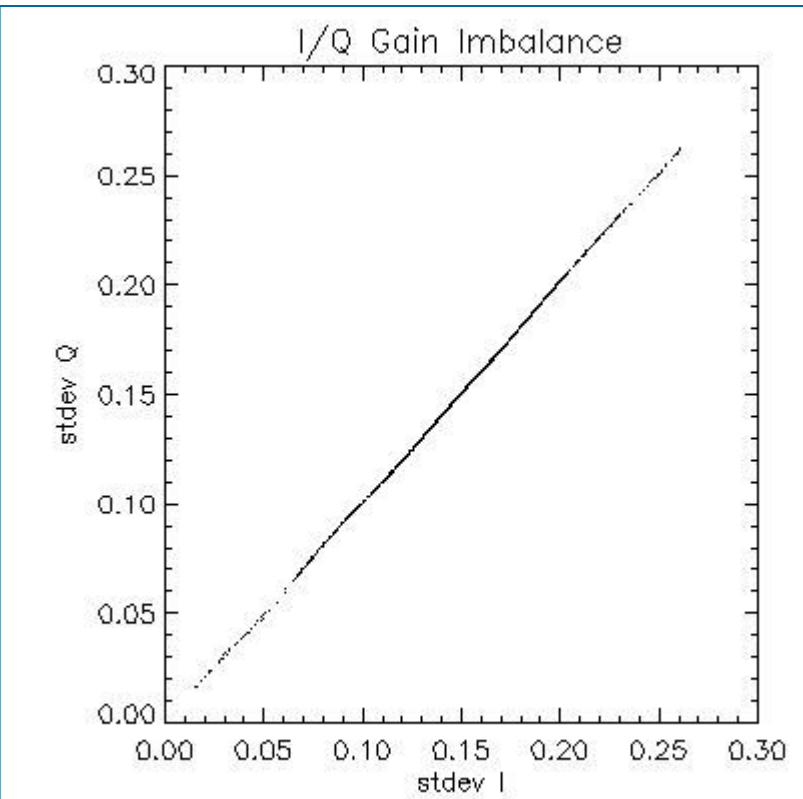
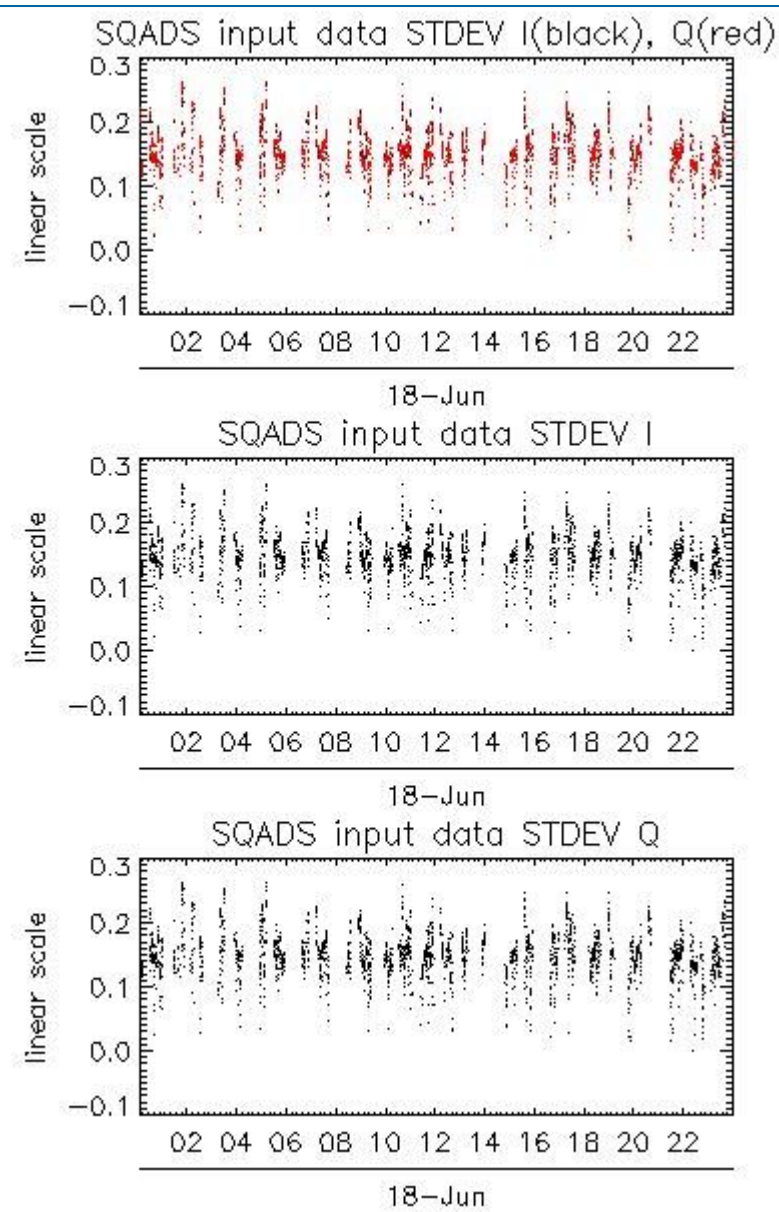
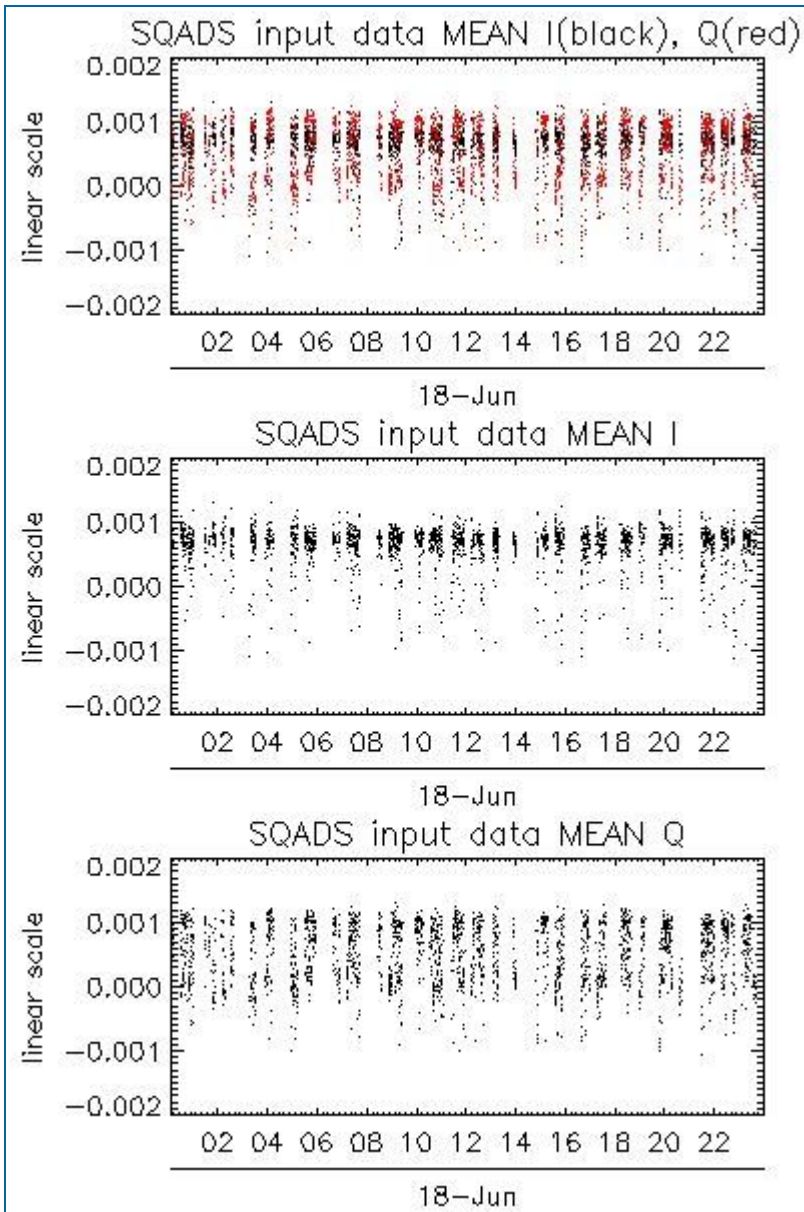
## 7 - RAW DATA ANALYSIS

### 7.1 - Analysis for WVS

[ [BACK TO MENU](#) ]

--	--	--	--



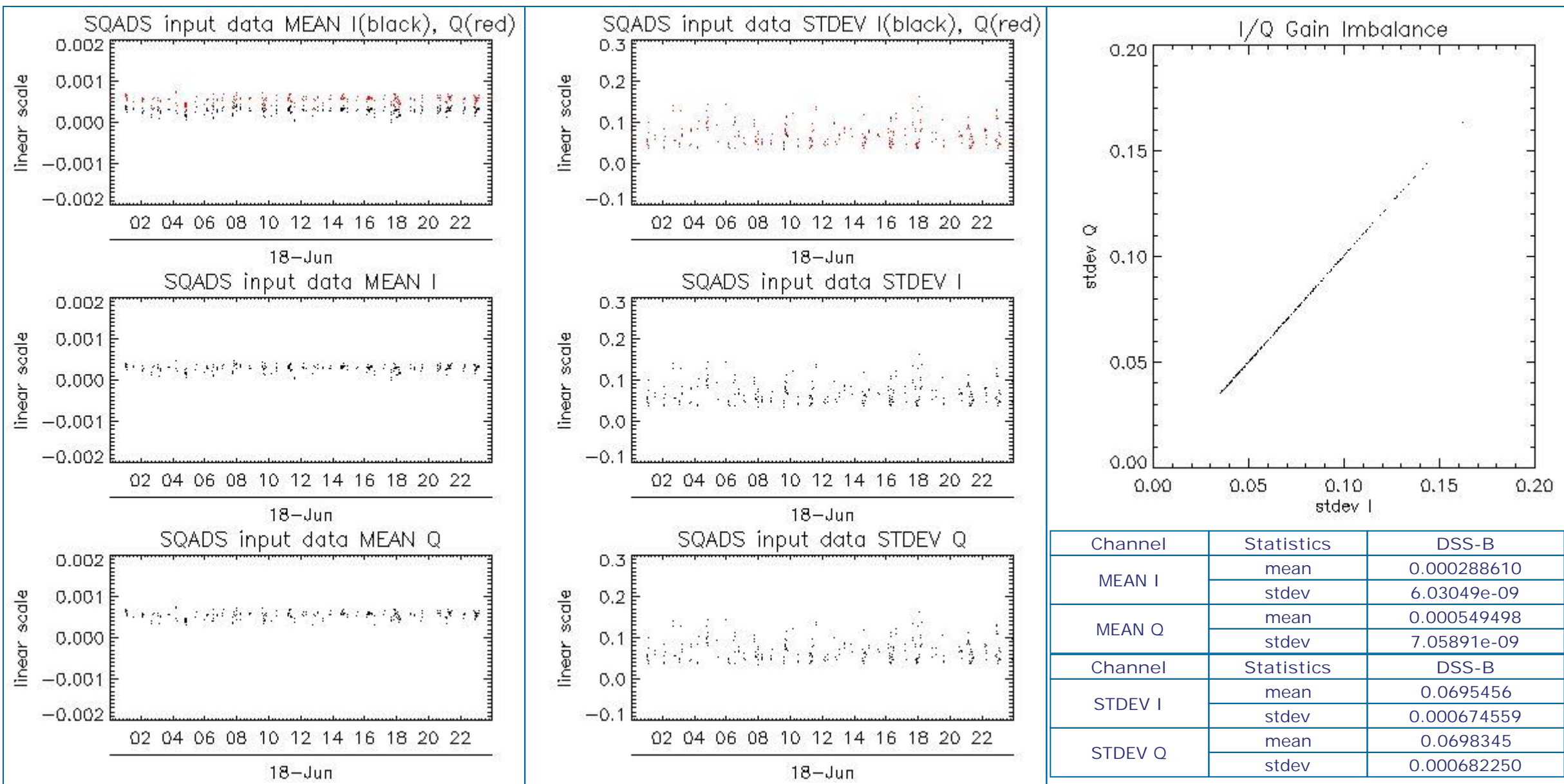


Channel	Statistics	DSS-B
MEAN I	mean	0.000637140
	stdev	1.08797e-07
MEAN Q	mean	0.000518169
	stdev	2.20504e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.149643
	stdev	0.00129324
STDEV Q	mean	0.150210
	stdev	0.00131773

## 7.2 - Analysis for IMM

[ [BACK TO MENU](#) ]



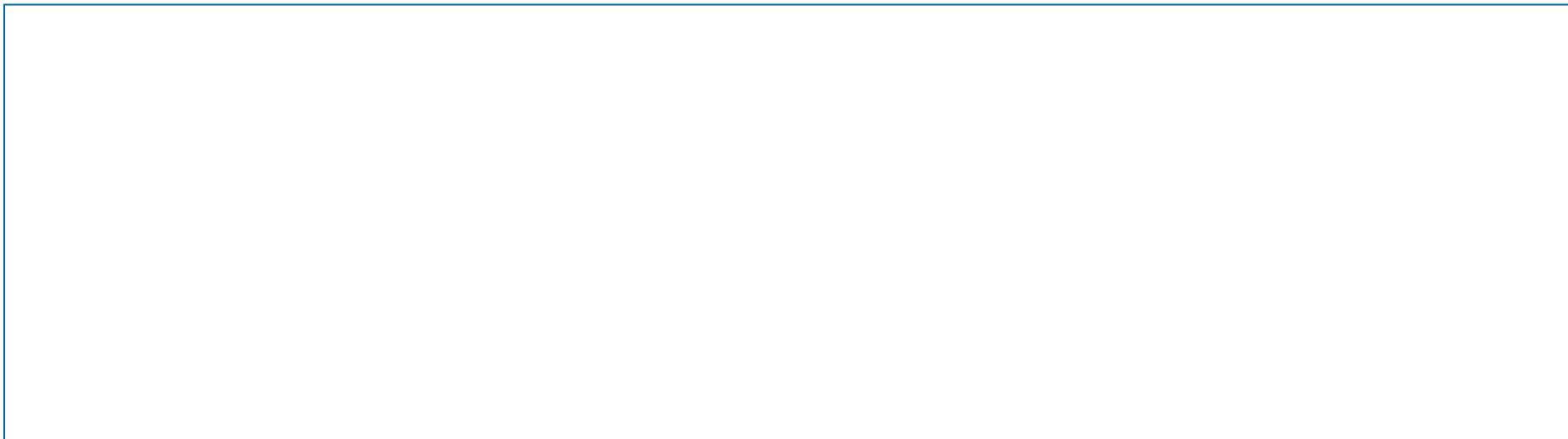


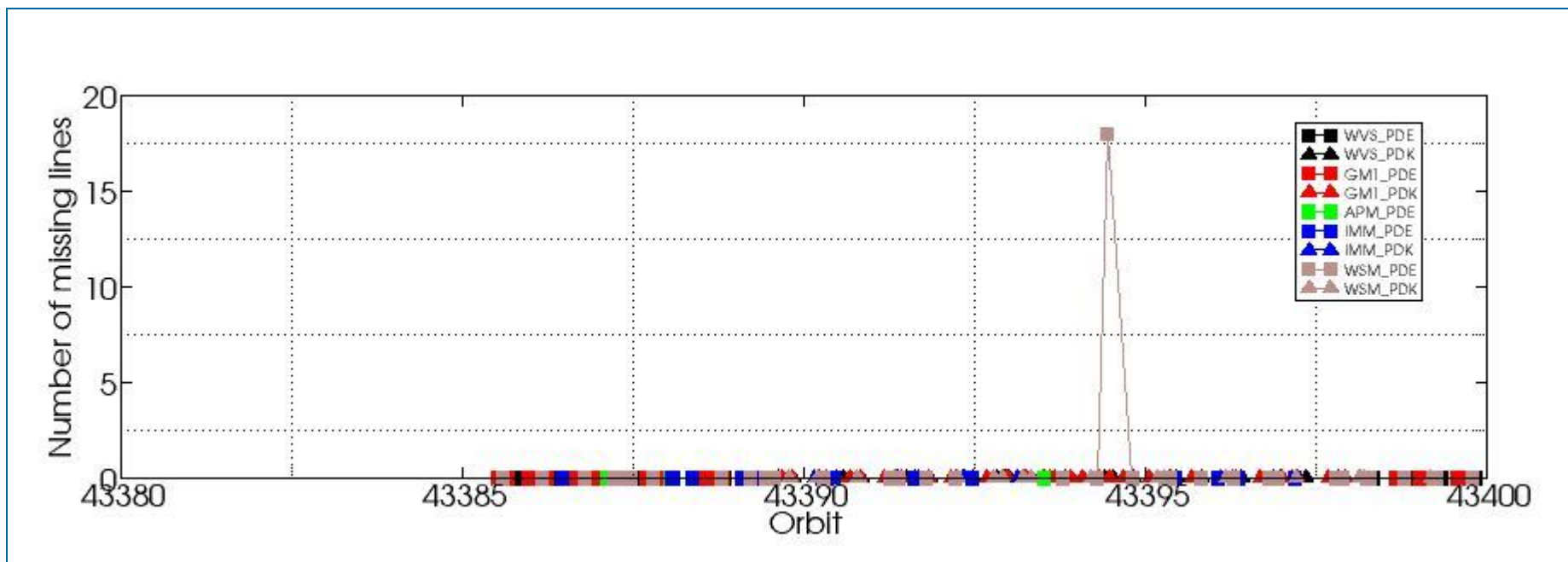
## 8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WSM_1PNPDE20100618_145514_000001162090_00254_43394_9787.N1	0	18

### 8.1 - Number of Missing lines

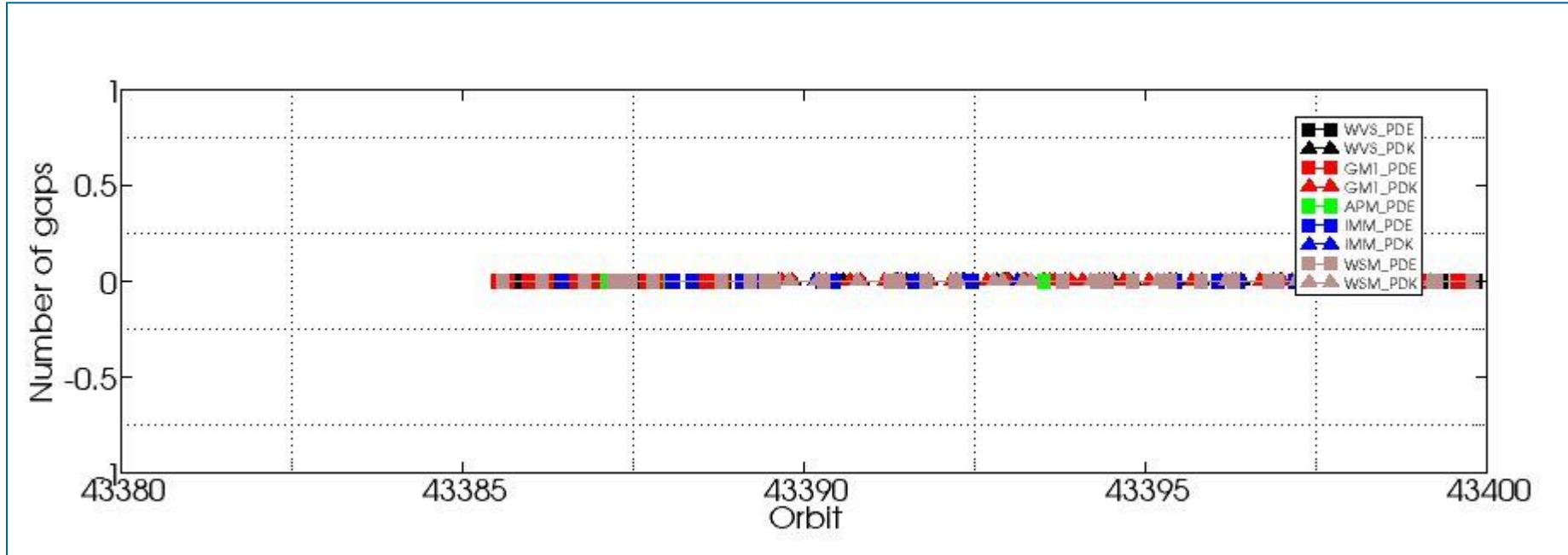
[ BACK TO MENU ]





## 8.2 - Number of Gaps

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



#####  
ASAR DAILY REPORT for 100618  
#####

MODE: DAILY  
ANALYSIS: ALL  
DATE: YESTERDAY

Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/

DATA SUMMARY

#####  
Summary will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/DATA\_SUMMARY

Creating directory ./RESULTS/DAILY/\_100618/DATA\_SUMMARY...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/Data\_summary.html...

\*\*\*\*\*  
Getting WVS products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_WVS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_WVS\_products\_used.txt...

\*\*\*\*\*  
Getting GM1 products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_GM1\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_GM1\_products\_used.txt...

\*\*\*\*\*  
Getting APM products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_APM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_APM\_products\_used.txt...

\*\*\*\*\*  
Getting IMM products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_IMM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_IMM\_products\_used.txt...

\*\*\*\*\*  
Getting WSM products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_WSM\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_WSM\_products\_used.txt...

\*\*\*\*\*  
Getting MS products list from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_MS\_products\_used.xls...  
Writing file ./RESULTS/DAILY/\_100618/DATA\_SUMMARY/List\_MS\_products\_used.txt...

DATA SUMMARY completed  
#####

AUXILIARY FILES ANALYSIS

#####  
Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/AUXILIARY

Creating directory ./RESULTS/DAILY/\_100618/AUXILIARY...

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



ADF filter 20100618\*current\_3\_IECF\_ADFs.txt  
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/\_100618/AUXILIARY/ASAR\_ADFs\_IECF\_List3.html...

AUXILIARY FILES ANALYSIS completed  
#####

MODULE STEPPING ANALYSIS  
#####  
Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/MODULE\_STEPPING

Creating directory ./RESULTS/DAILY/\_100618/MODULE\_STEPPING...  
Creating directory ./RESULTS/DAILY/\_100618/MODULE\_STEPPING/FIRST\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE...  
Creating directory ./RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...  
Deleting old files...

\*\*\*\*\*  
\*\*\*\*\*  
Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDK20010209\_135042\_0000009A024\_00180\_11700\_0052.N1  
Test product: ASA\_MS\_\_0PNPDE20100617\_040541\_000000162090\_00233\_43373\_0550.N1

H  
H  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/TGH\_20100617\_040541-20010209\_135042.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/TPH\_20100617\_040541-20010209\_135042.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/RGH\_20100617\_040541-20010209\_135042.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/RPH\_20100617\_040541-20010209\_135042.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDK20010209\_140823\_0000009A024\_00180\_11700\_0054.N1  
Test product: ASA\_MS\_\_0PNPDE20100618\_033404\_000000162090\_00247\_43387\_0551.N1

V  
V  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/TGV\_20100618\_033404-20010209\_140823.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/TPV\_20100618\_033404-20010209\_140823.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/RGV\_20100618\_033404-20010209\_140823.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/SECOND\_REFERENCE/RPV\_20100618\_033404-20010209\_140823.png

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

Exporting results to the directory ../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE...

Polarization: H  
Reference product: ASA\_MS\_\_0PNPDE20100615\_050855\_000000162090\_00205\_43345\_0548.N1  
Test product: ASA\_MS\_\_0PNPDE20100617\_040541\_000000162090\_00233\_43373\_0550.N1

H  
H  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGH\_20100617\_040541-20100615\_050855.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPH\_20100617\_040541-20100615\_050855.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGH\_20100617\_040541-20100615\_050855.png  
../../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPH\_20100617\_040541-20100615\_050855.png

Polarization: V  
Reference product: ASA\_MS\_\_0PNPDE20100616\_043718\_000000162090\_00219\_43359\_0549.N1  
Test product: ASA\_MS\_\_0PNPDE20100618\_033404\_000000162090\_00247\_43387\_0551.N1

V  
V  
../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TGV\_20100618\_033404-20100616\_043718.png  
../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/TPV\_20100618\_033404-20100616\_043718.png  
../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RGV\_20100618\_033404-20100616\_043718.png  
../RESULTS/DAILY/\_100618/MODULE\_STEPPING/PREVIOUS\_PRODUCT\_REFERENCE/RPV\_20100618\_033404-20100616\_043718.png

MODULE\_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES...

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

ALL ROWS Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59

Analysing products WVS IS2 V/V

Writing image ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_WVS\_IS2\_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Calibration\_pulses\_all\_rows\_GM1\_SS3\_HH.png...

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

TEMPORAL EVOLUTION Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-06-18\_1.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_1.png...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-06-18\_2.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_2.png...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-06-18\_3.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_3.png...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_WVS\_IS2\_VV\_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_WVS\_IS2\_VV\_2010-06-18\_4.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_WVS\_IS2\_VV\_4.png...

Writing ../RESULTS/DAILY/\_100618//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 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-06-18\_1.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_1.png...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-06-18\_2.dat...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_2.png...

Writing ../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 3/7/11/15/19/23/27/31  
Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-06-18\_3.dat...  
Writing ../../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_3.png...  
Writing ../../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-18 00:00:00 to 2010-06-18 23:59:59. Rows: 4/8/12/16/20/24/28/32  
Writing file ./RESULTS/DAILY/\_100618/CALIBRATION\_PULSES/Calibration\_pulses\_data\_GM1\_SS3\_HH\_2010-06-18\_4.dat...  
Writing ../../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Average\_P1\_P1a\_P2\_P3\_GM1\_SS3\_HH\_4.png...  
Writing ../../RESULTS/DAILY/\_100618//CALIBRATION\_PULSES/Transmit\_Power\_GM1\_SS3\_HH\_4.png...

CALIBRATION PULSES ANALYSIS completed  
#####

DOPPLER ANALYSIS  
#####  
Creating directory ./RESULTS/DAILY/\_100618/DOPPLER...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER ANX Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59

Analysing products WVS IS2 V/V  
Getting doppler data for WVS IS2 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DOPPLER/Doppler\_data\_WVS\_IS2\_VV\_2010-06-18.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_100618/DOPPLER/DOPPLER\_ANX\_WVS\_IS2\_VV.png...

Analysing products GM1 SS1 H/H  
Getting doppler data for GM1 SS1 H/H from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DOPPLER/Doppler\_data\_GM1\_SS1\_HH\_2010-06-18.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_100618/DOPPLER/DOPPLER\_ANX\_GM1\_SS1\_HH.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER JUMPS Analysis will be performed on WSM products from 2010-06-18 00:00:00 to 2010-06-18 23:59:59

Analysing by default products WSM  
Getting doppler jumps data for WSM from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/DOPPLER/Doppler\_Jumps\_data\_WSM\_2010-06-18.dat...  
Running IDL program...  
Writing file ../../RESULTS/DAILY/\_100618/DOPPLER/DOPPLER\_JUMPS\_ANX\_WSM.png...  
Writing file ../../RESULTS/DAILY/\_100618/DOPPLER/DOPPLER\_JUMPS\_Date\_WSM.png...

\*\*\*\*\*  
\*\*\*\*\*  
DOPPLER MAP Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 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 = -29.606636 Hz  
Writing file ../../RESULTS/DAILY/\_100618//DOPPLER/DOPPLER\_Estimated-Predicted-MeanError\_WVS\_IS2\_VV\_desc.jpg...  
Writing file ../../RESULTS/DAILY/\_100618//DOPPLER/DOPPLER\_Absolute\_WVS\_IS2\_VV\_desc.jpg...

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -28.304303 Hz
Writing file ../../RESULTS/DAILY/_100618//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_100618//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 = -1.8755438 Hz
Writing file ../../RESULTS/DAILY/_100618//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_100618//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
*****
```

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -10.054495 Hz
Writing file ../../RESULTS/DAILY/_100618//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_100618//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
*****
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_100618/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...
Writing file ./RESULTS/DAILY/_100618/CHIRP/ScaleFactor_data_WSM_SS1_HH_2010-06-18.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100618/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_100618/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...
Writing file ./RESULTS/DAILY/_100618/CHIRP/ScaleFactor_data_WSM_SS1_VV_2010-06-18.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100618/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_100618/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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



RAW DATA ANALYSIS

#####  
Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/RAW\_DATA

Creating directory ./RESULTS/DAILY/\_100618/RAW\_DATA...

\*\*\*\*\*  
Getting raw data for WVS from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_WVS\_2010-06-18.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_WVS\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_WVS\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_WVS\_gain\_imbalance.png...

\*\*\*\*\*  
Getting raw data for IMM from 2010-06-18 00:00:00 to 2010-06-18 23:59:59...  
Writing file ./RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_IMM\_2010-06-18.dat...  
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_IMM\_input\_mean.png...  
Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_IMM\_input\_stdev.png...  
Creating image ../../RESULTS/DAILY/\_100618/RAW\_DATA/Raw\_data\_IMM\_gain\_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####  
Analysis will be performed from 2010-06-18 00:00:00 to 2010-06-18 23:59:59  
Results will be exported to the directory: ./RESULTS/DAILY/\_100618/TELEMETRY

Creating directory ./RESULTS/DAILY/\_100618/TELEMETRY...

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

\*\*\*\*\*  
Checking 27 products from PDE...  
Checking 24 products from PDK...

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

\*\*\*\*\*  
Checking 28 products from PDE...  
Checking 47 products from PDK...

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

\*\*\*\*\*  
Checking 4 products from PDE...  
No products from PDK...

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

\*\*\*\*\*  
Checking 17 products from PDE...  
Checking 6 products from PDK...

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

\*\*\*\*\*  
Checking 36 products from PDE...  
Found product...ASA\_WSM\_1PNPDE20100618\_145514\_000001162090\_00254\_43394\_9787.N1 / 0 gaps / 18 missing lines  
Checking 19 products from PDK...

Creating graph of missing lines and gaps...  
\*\*\*\*\*  
Creating image: ./RESULTS/DAILY/\_100618/TELEMETRY/TELEMETRY\_Missing\_lines.png...  
Creating image: ./RESULTS/DAILY/\_100618/TELEMETRY/TELEMETRY\_Gaps.png...

TELEMETRY ANALYSIS completed  
#####

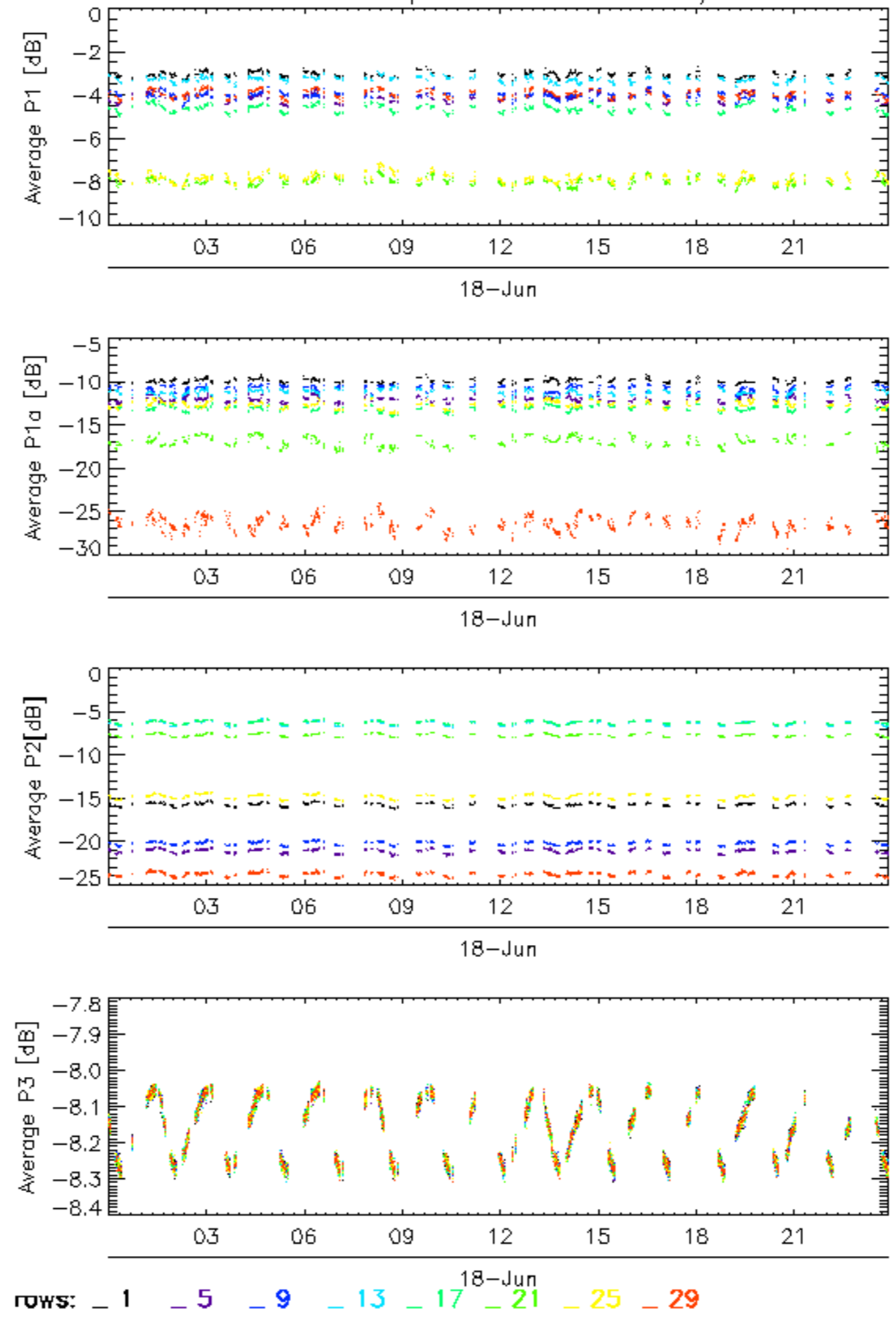
HTML REPORT generation  
#####

Building file ./RESULTS/DAILY/\_100618/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...

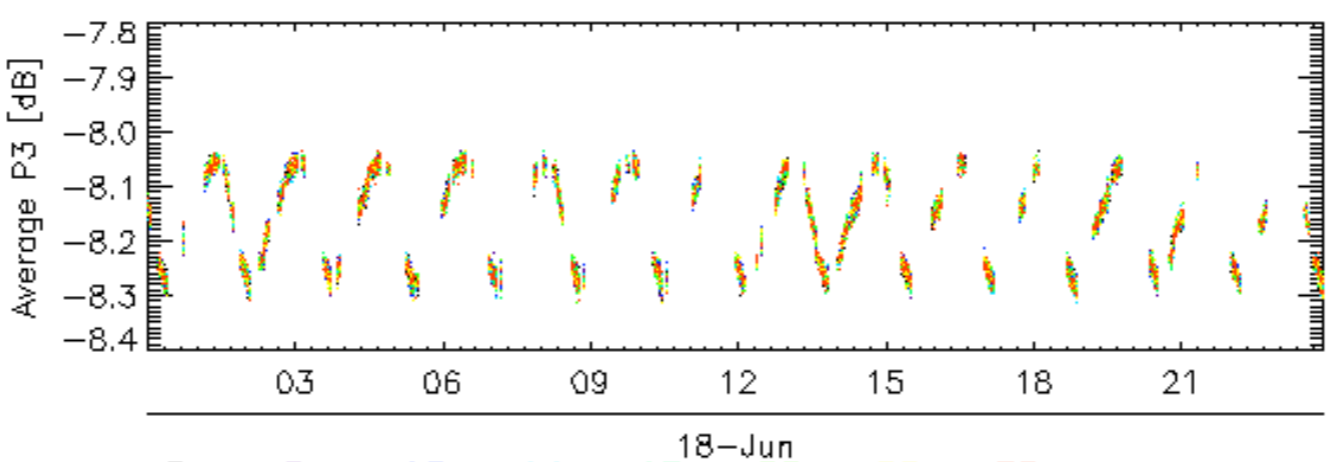
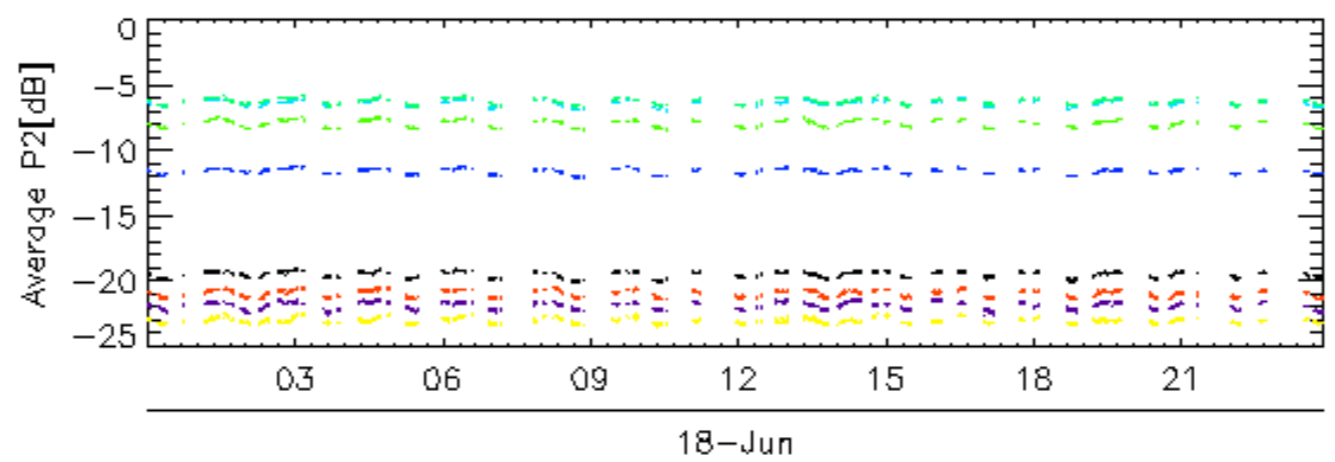
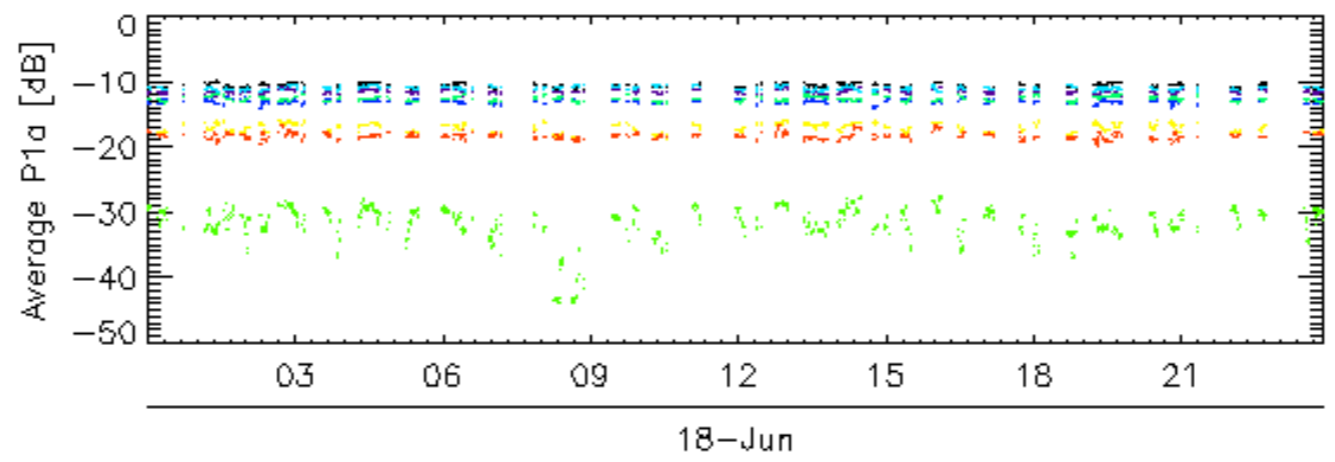
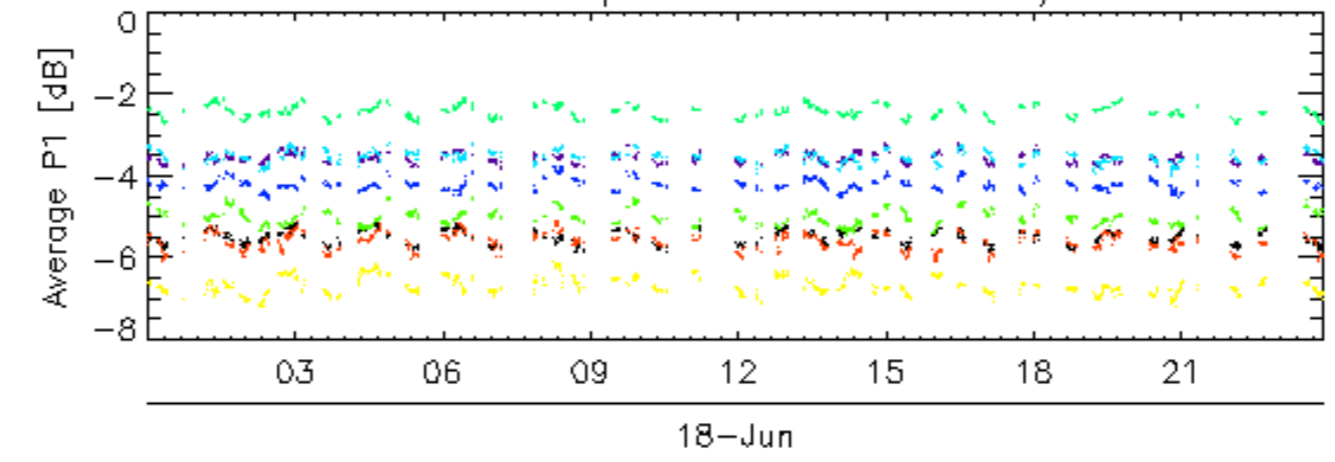
HTML REPORT generation completed  
#####



### Calibration pulses for GM1 SS3 H/H

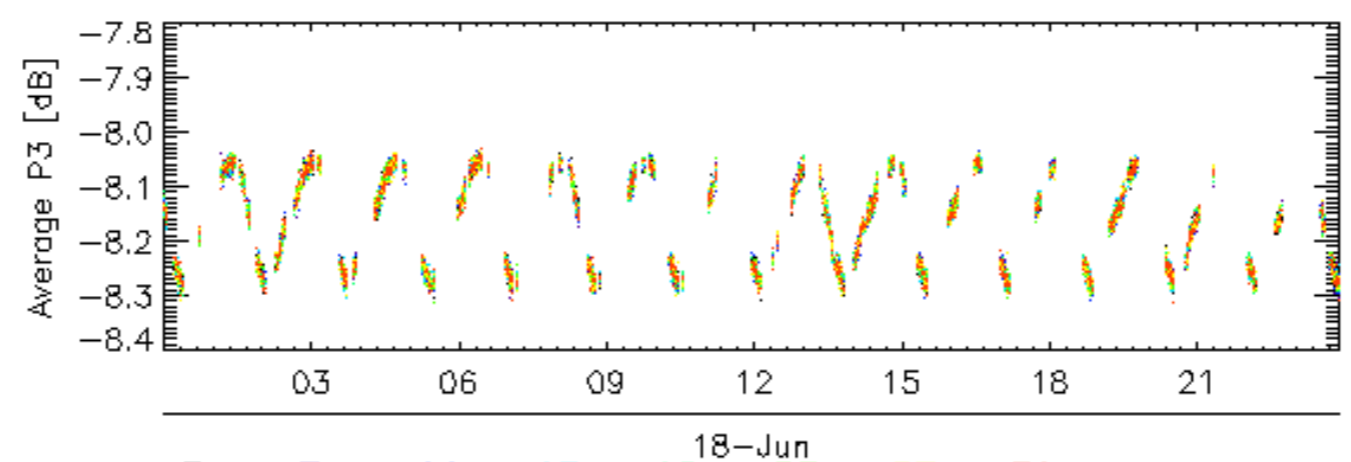
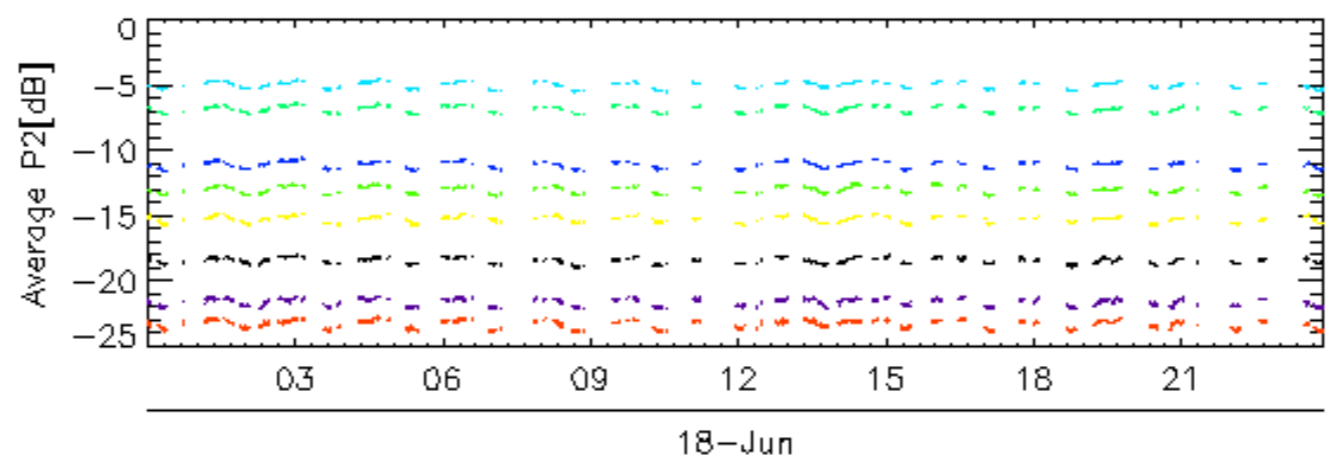
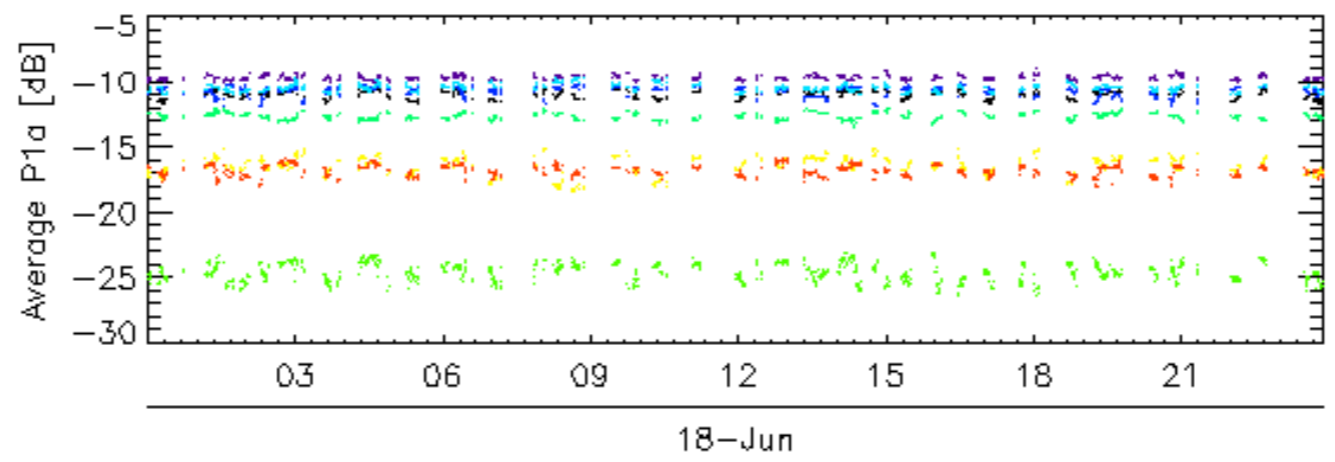
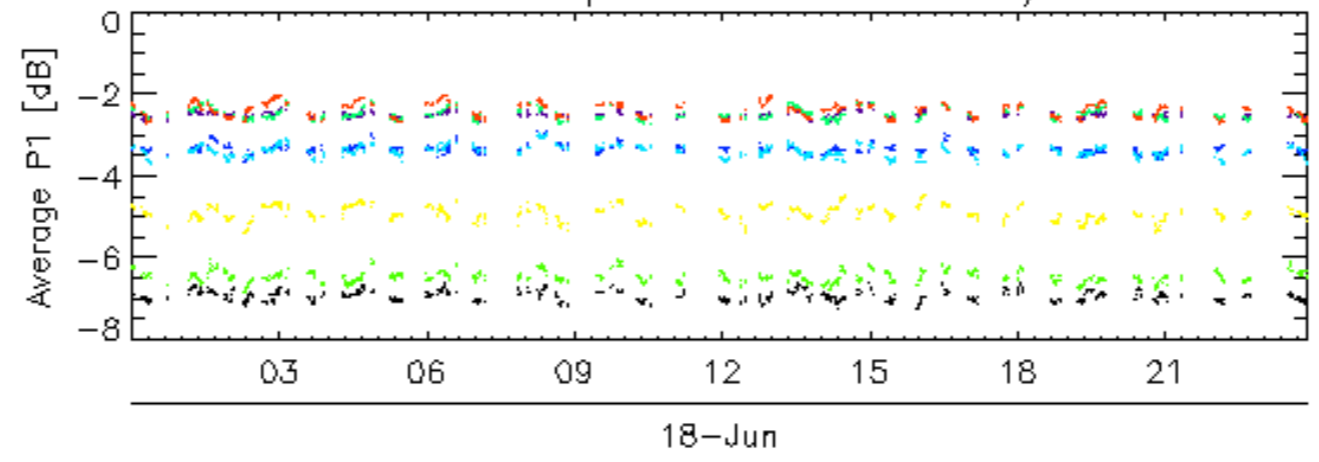


### Calibration pulses for GM1 SS3 H/H



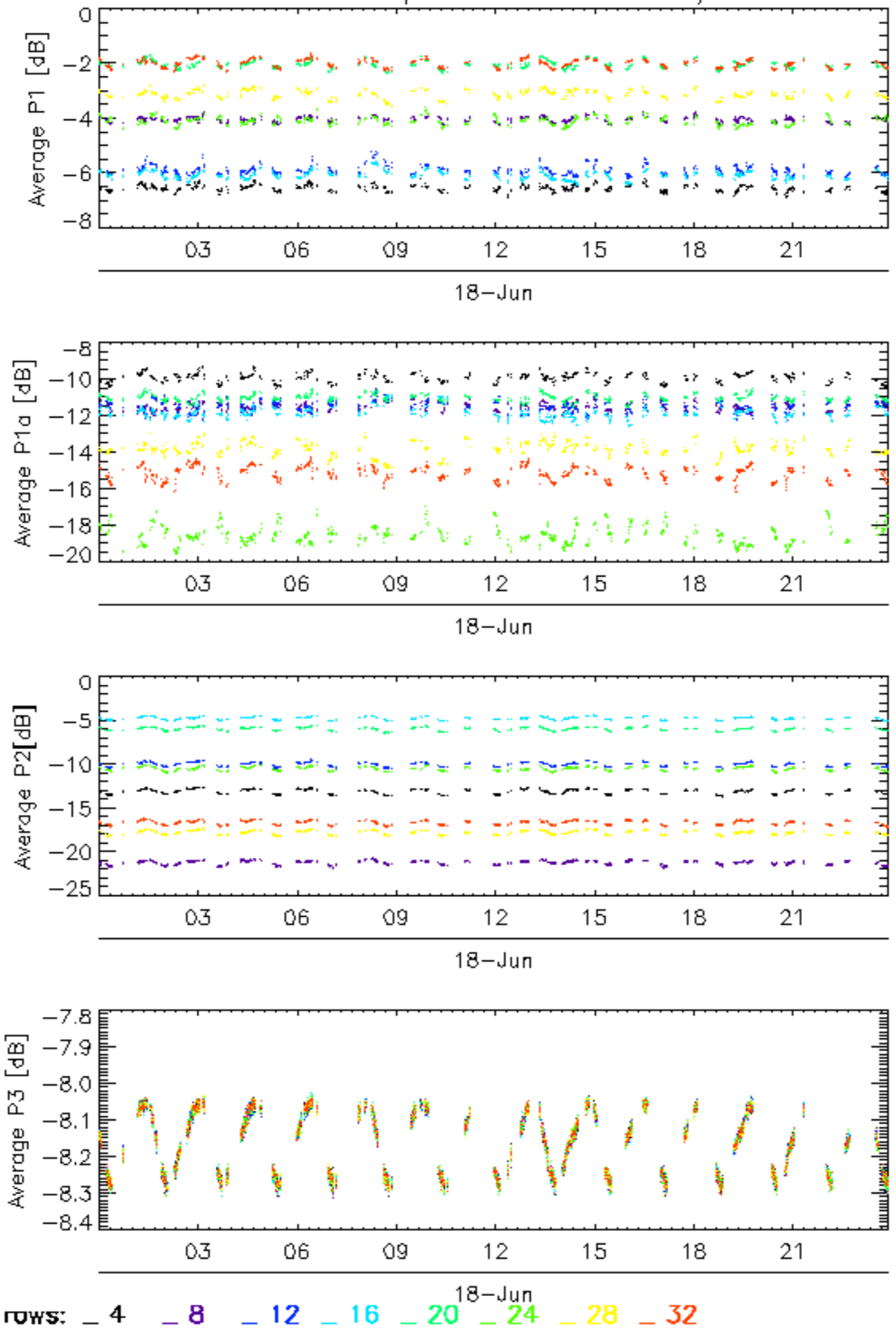
rows: 2 6 10 14 18 22 26 30

### Calibration pulses for GM1 SS3 H/H

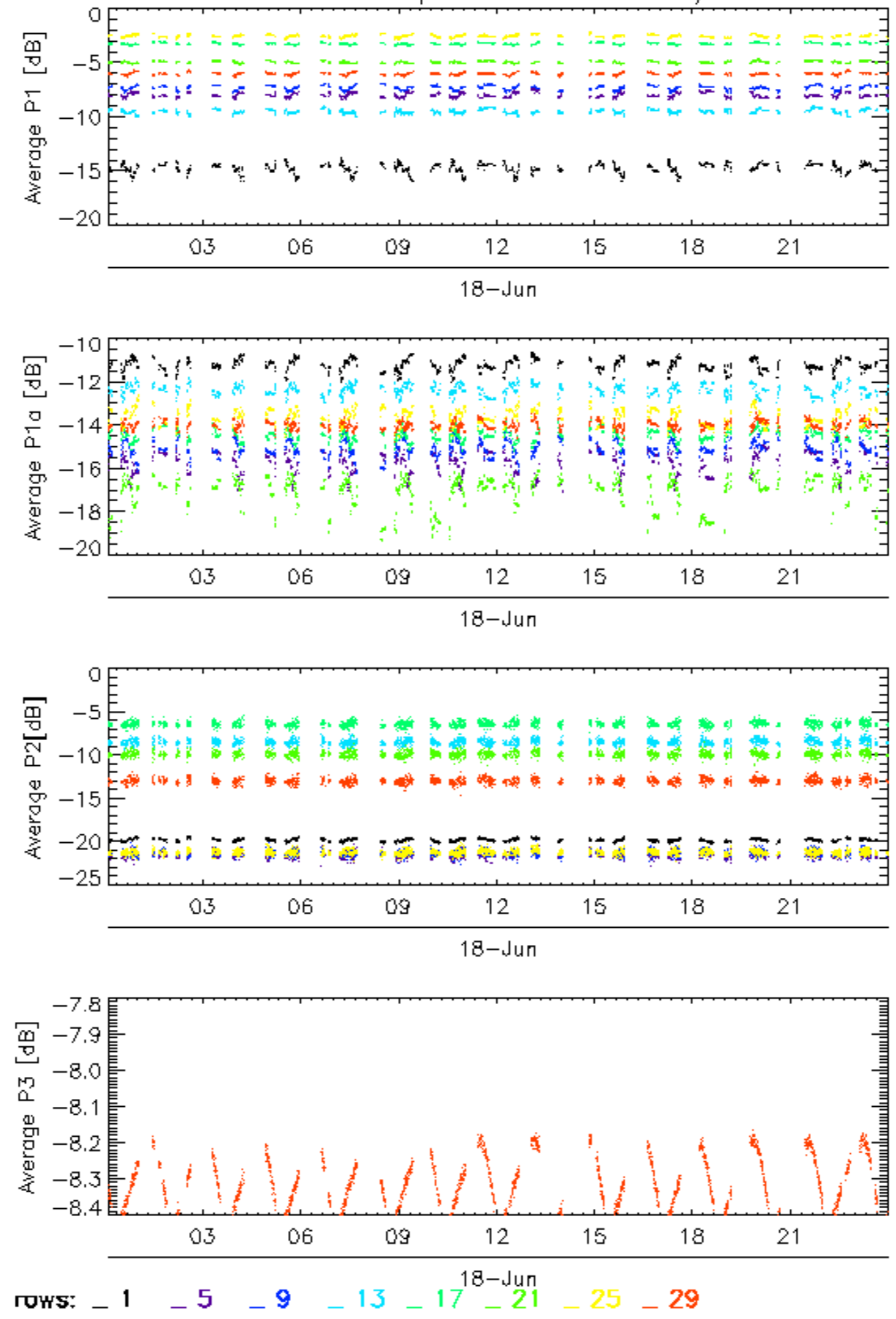


rows: **3** **7** **11** **15** **19** **23** **27** **31**

Calibration pulses for GM1 SS3 H/H

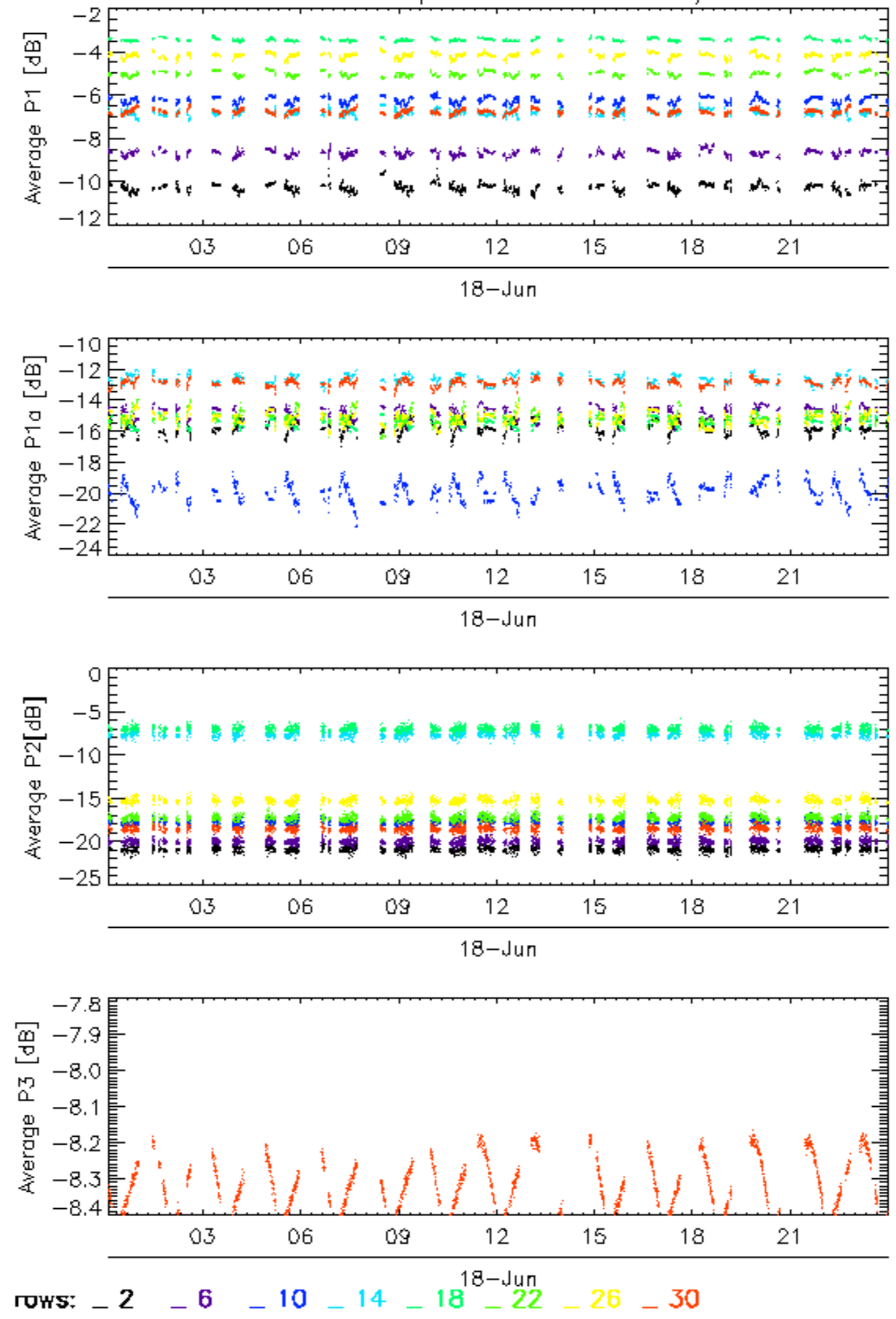


### Calibration pulses for WVS IS2 V/V

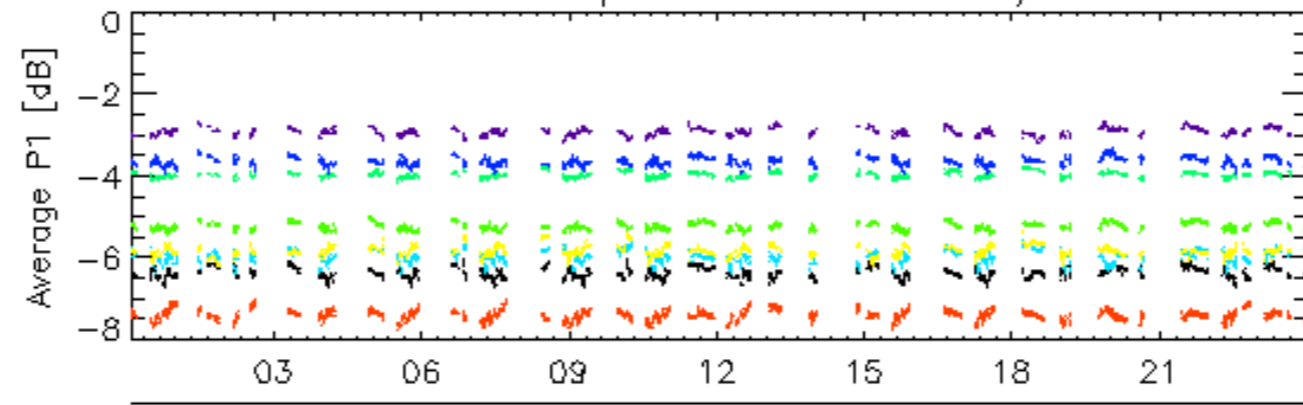




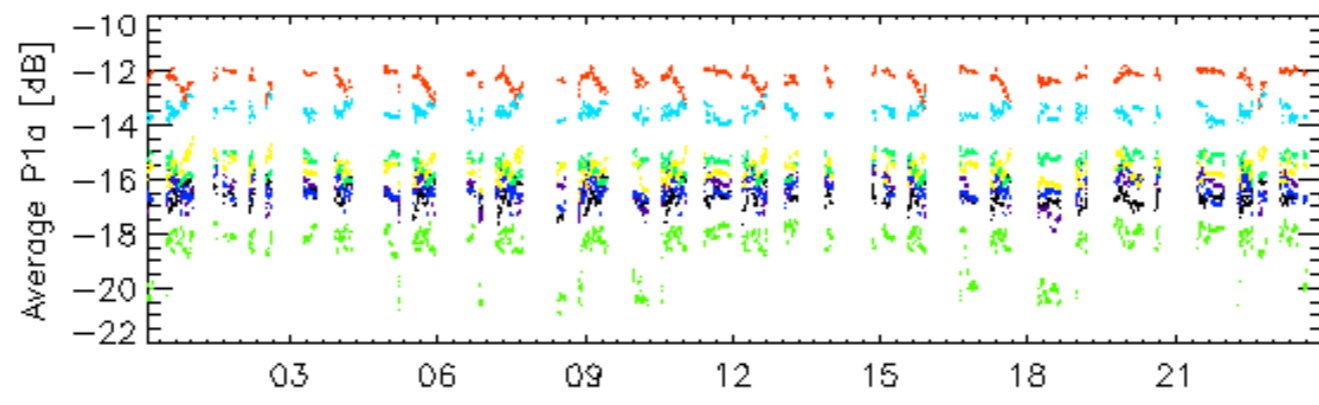
### Calibration pulses for WVS IS2 V/V



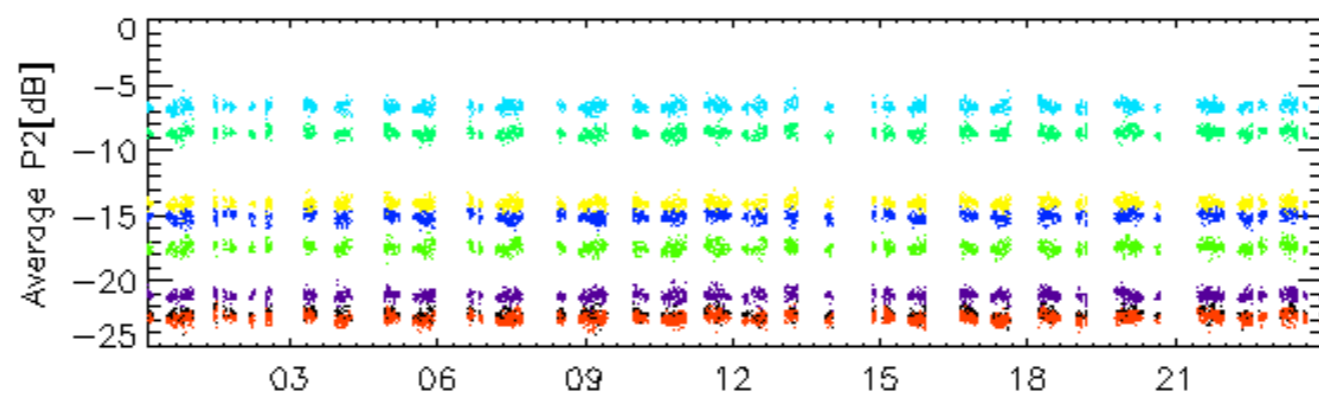
Calibration pulses for WVS IS2 V/V



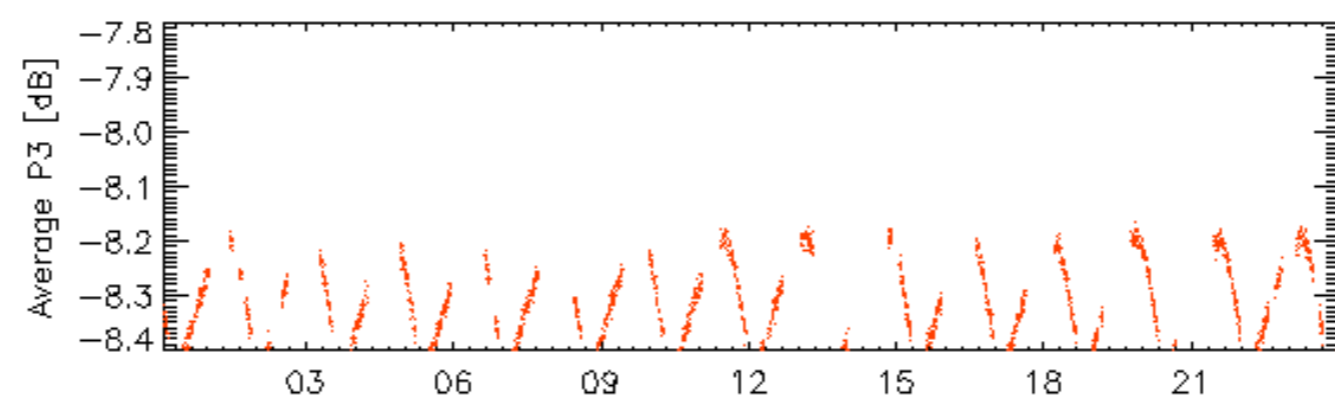
18-Jun



18-Jun



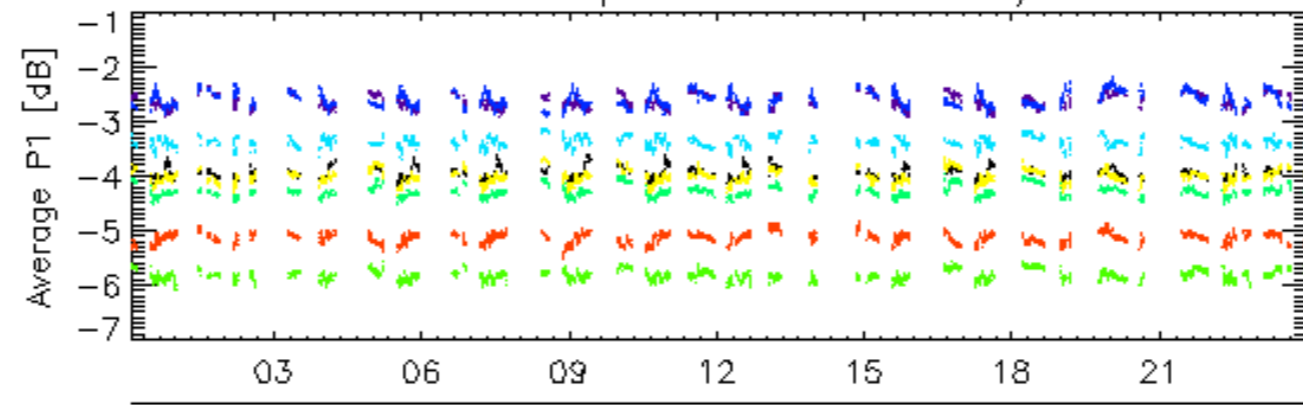
18-Jun



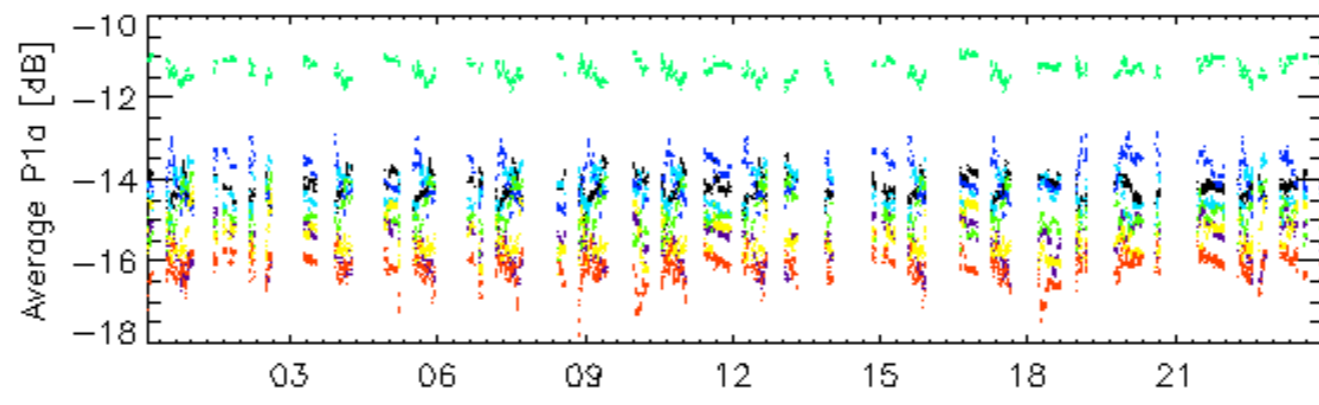
18-Jun

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

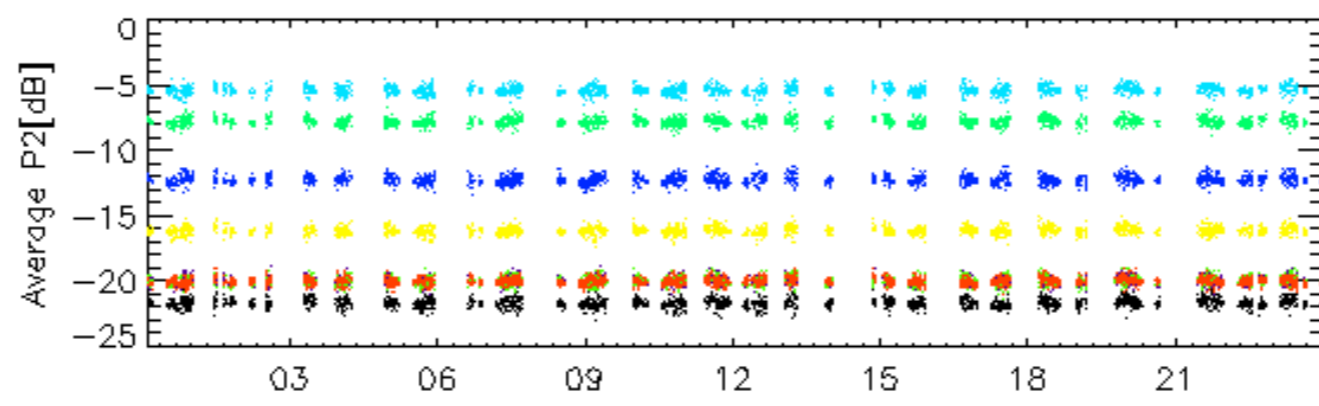
Calibration pulses for WVS IS2 V/V



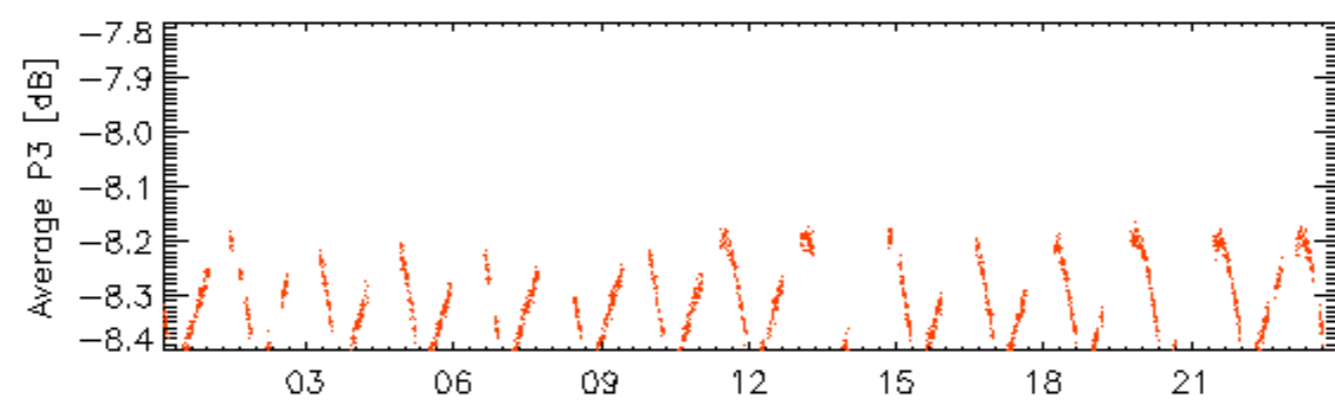
18-Jun



18-Jun

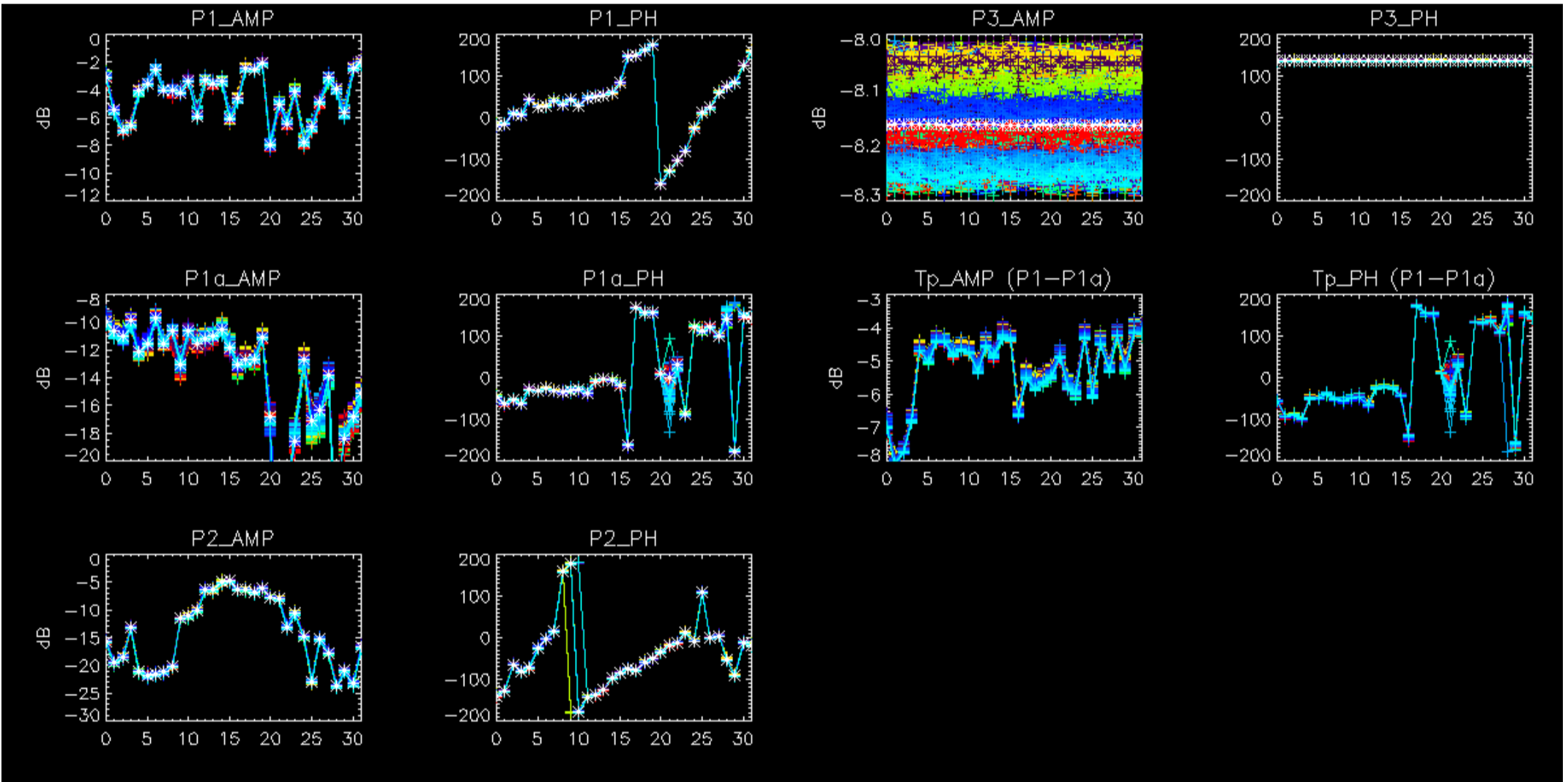


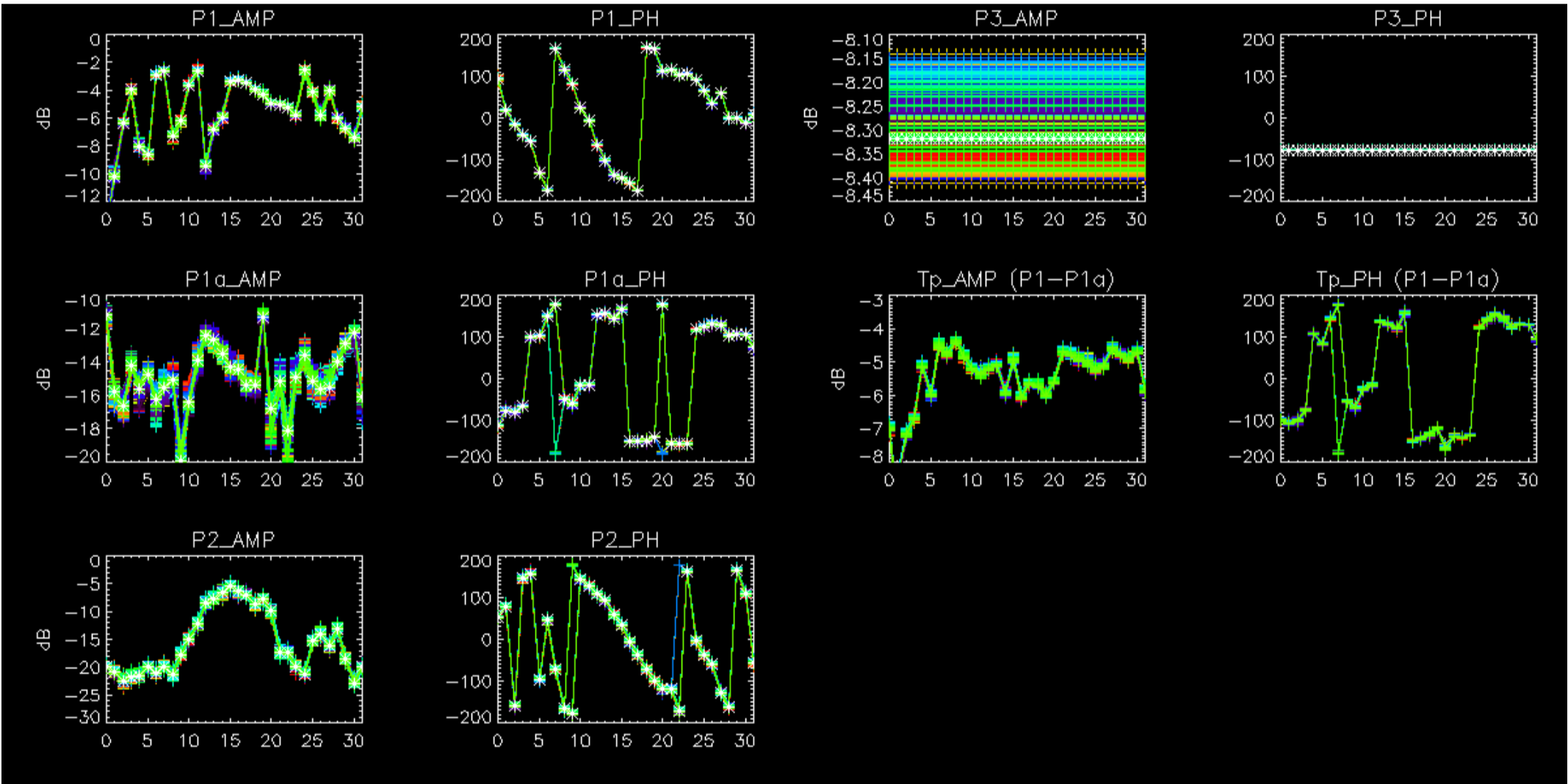
18-Jun

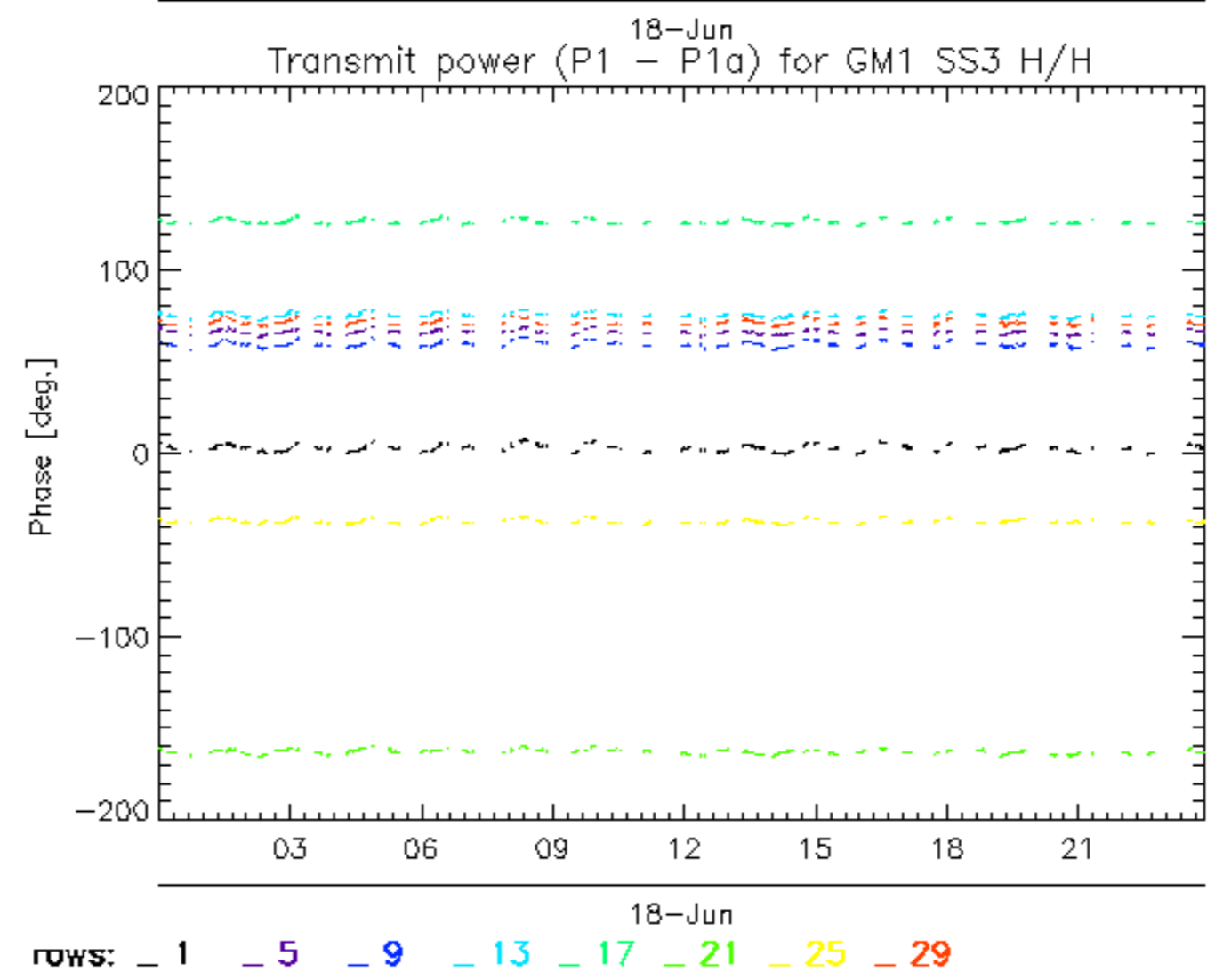
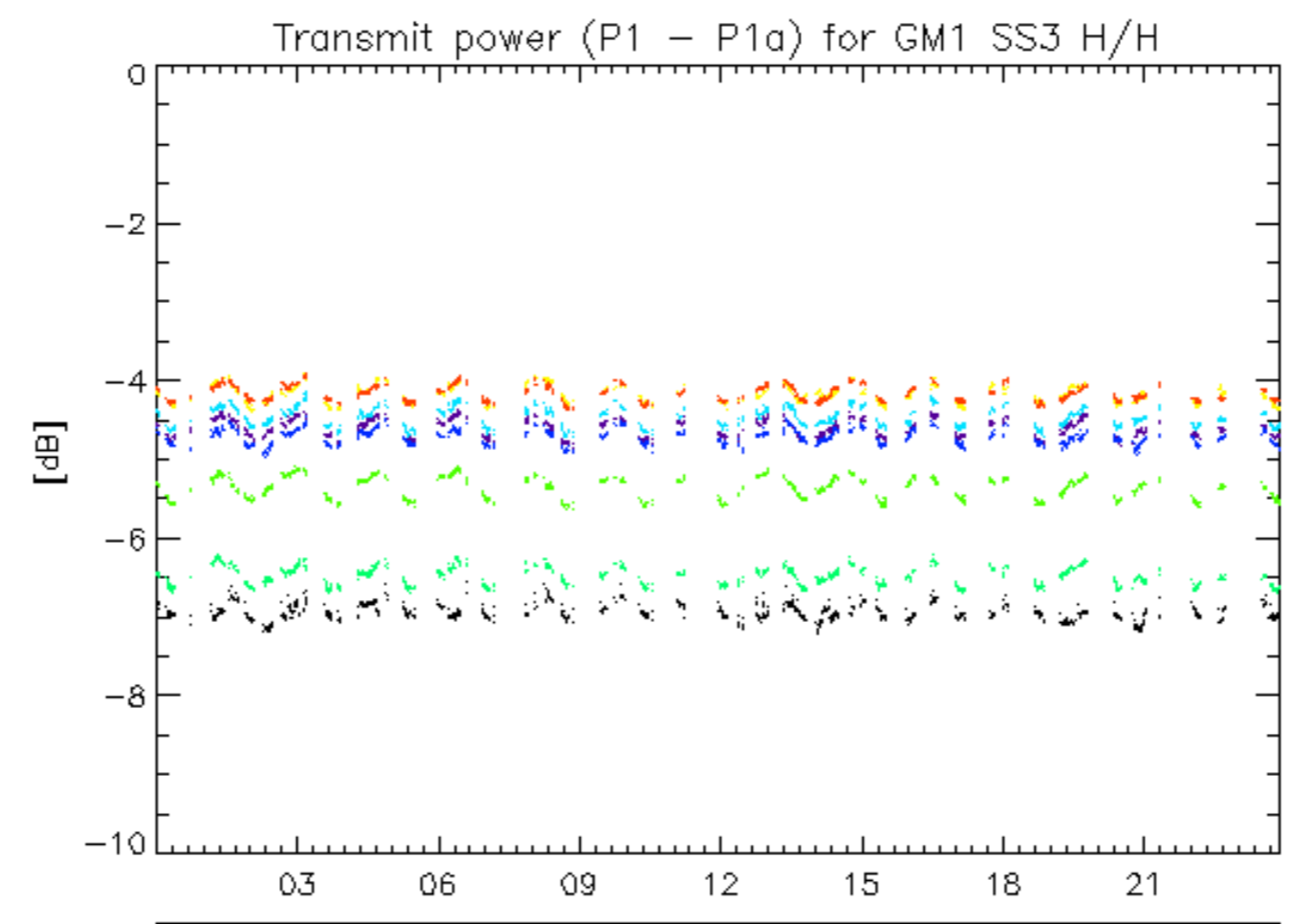


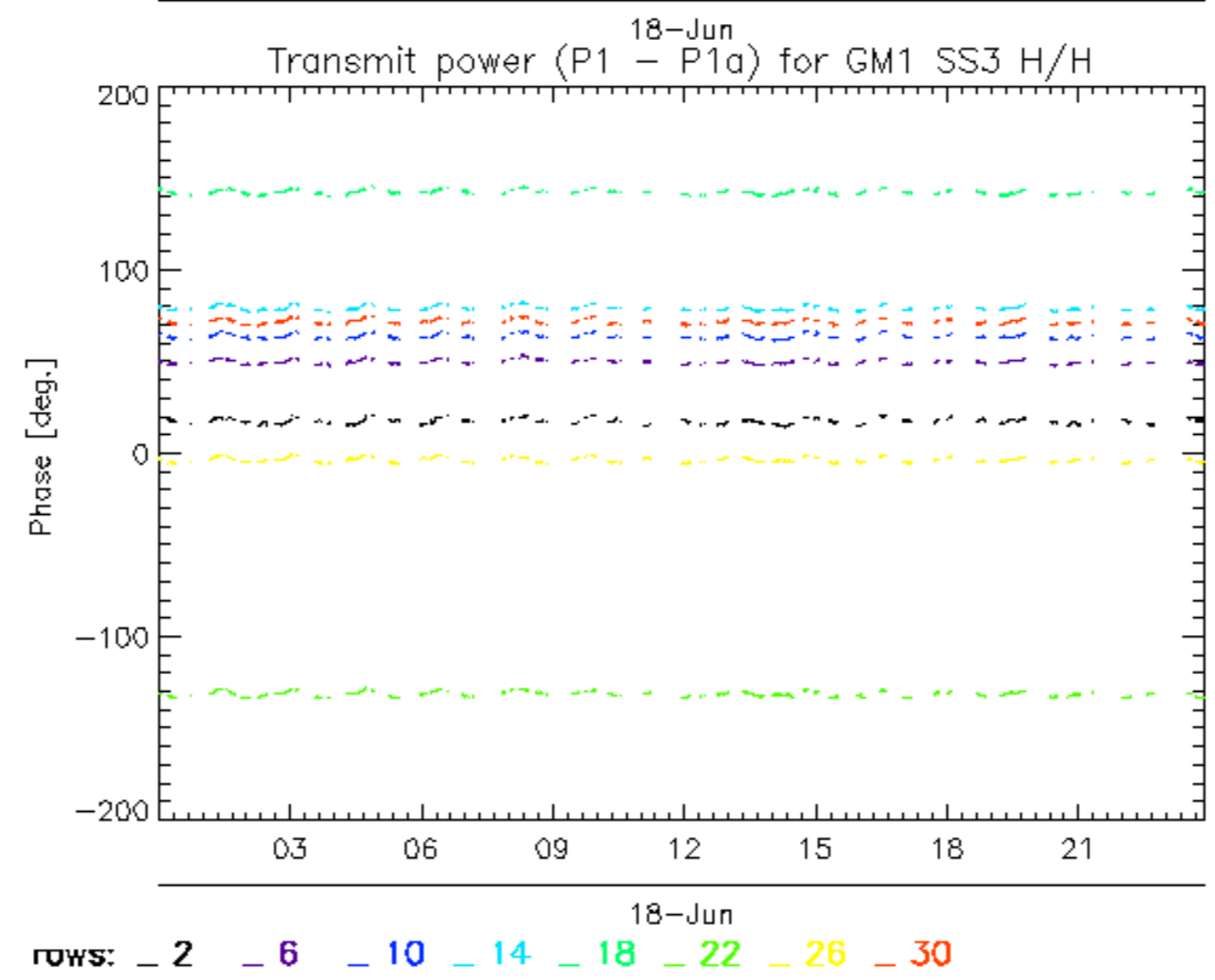
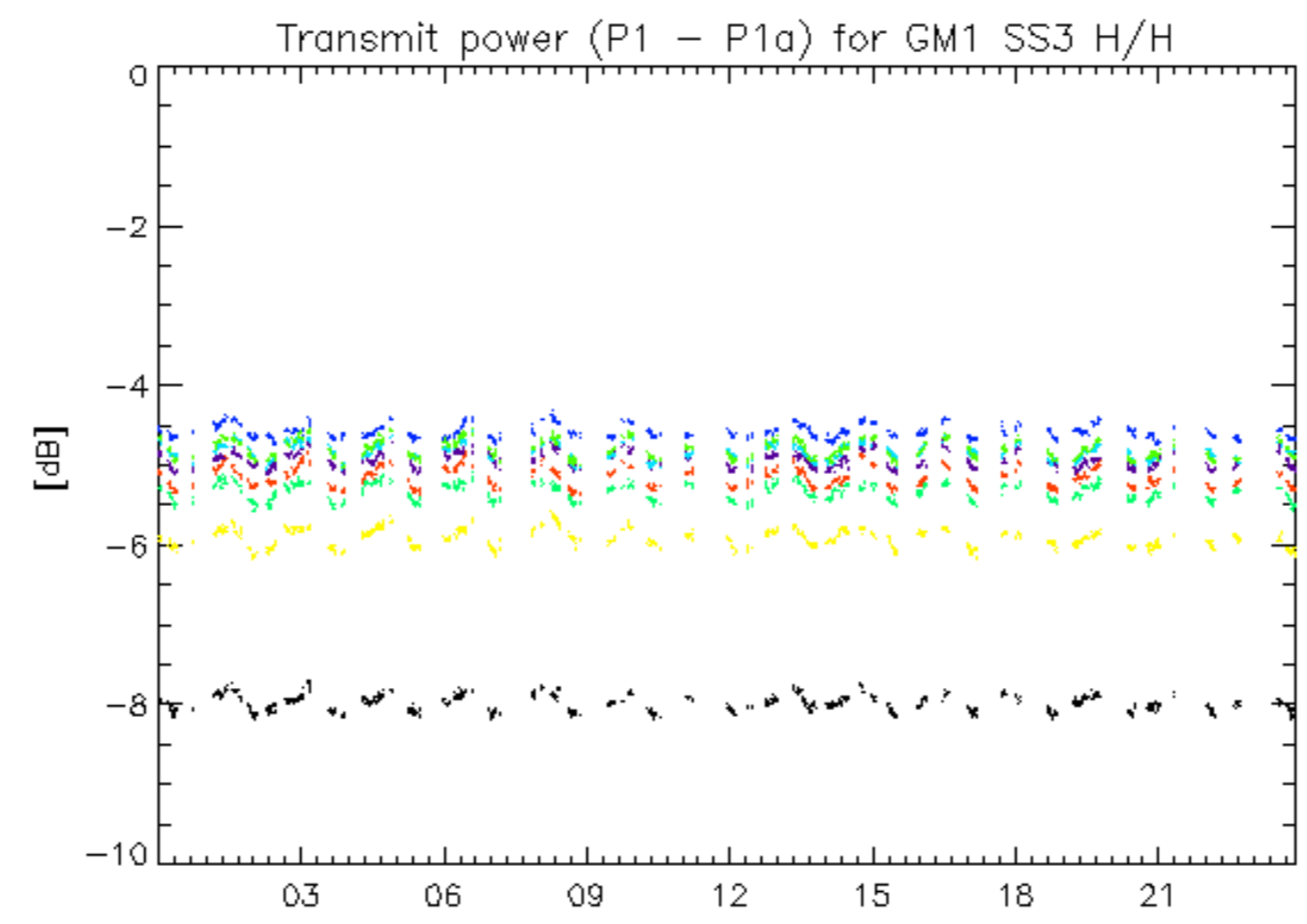
18-Jun

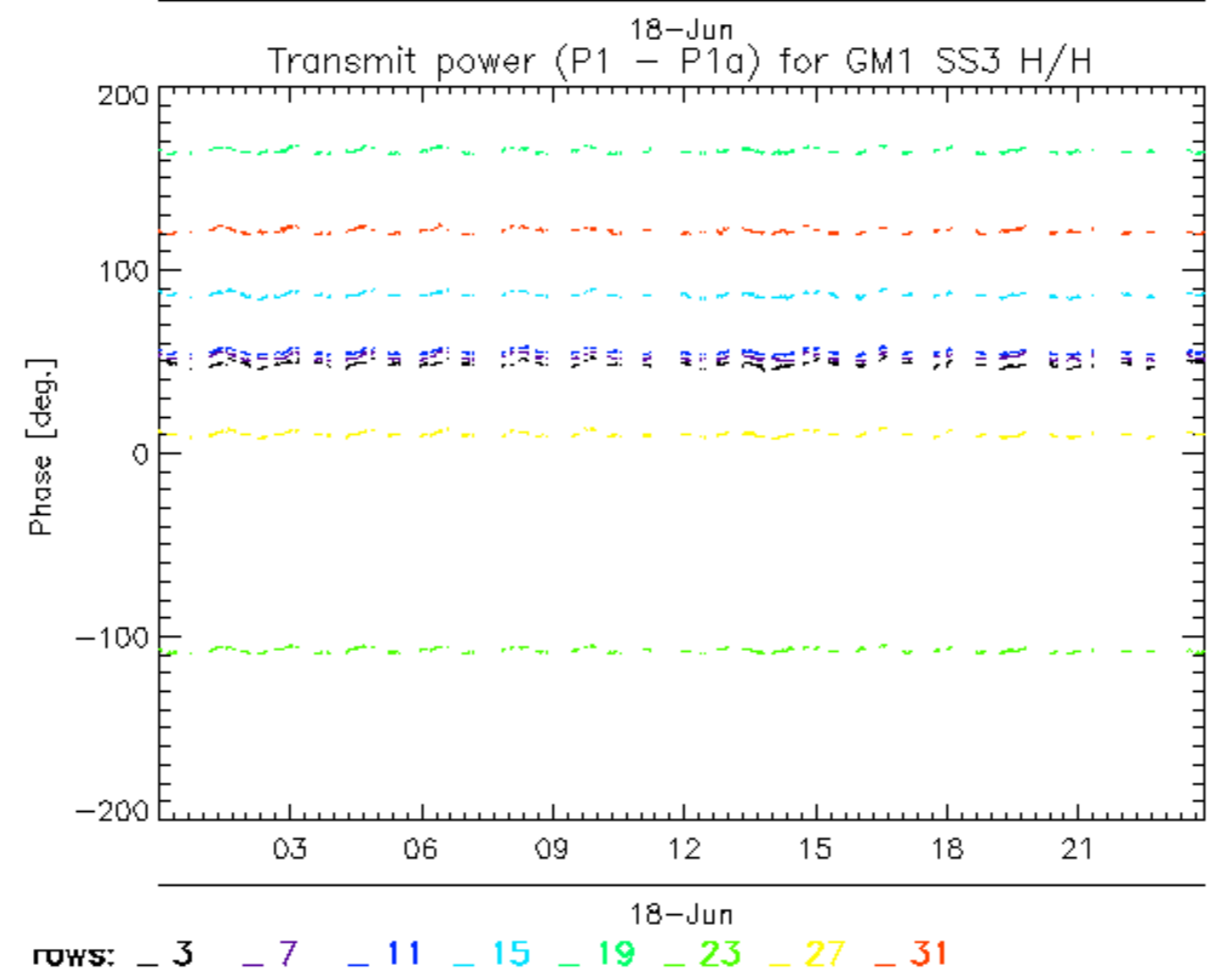
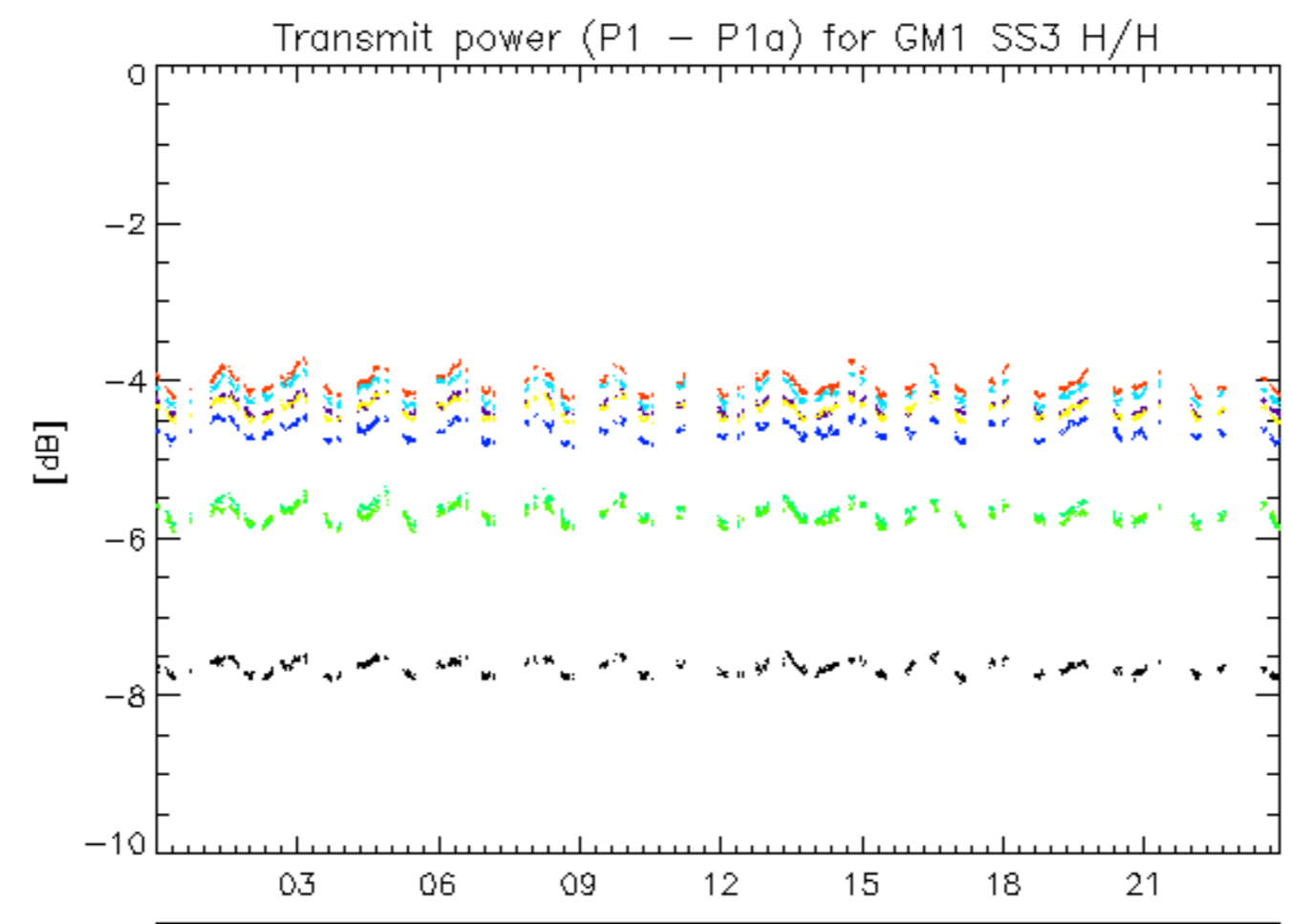
rows: \_ 4 \_ 8 \_ 12 \_ 16 \_ 20 \_ 24 \_ 28 \_ 32



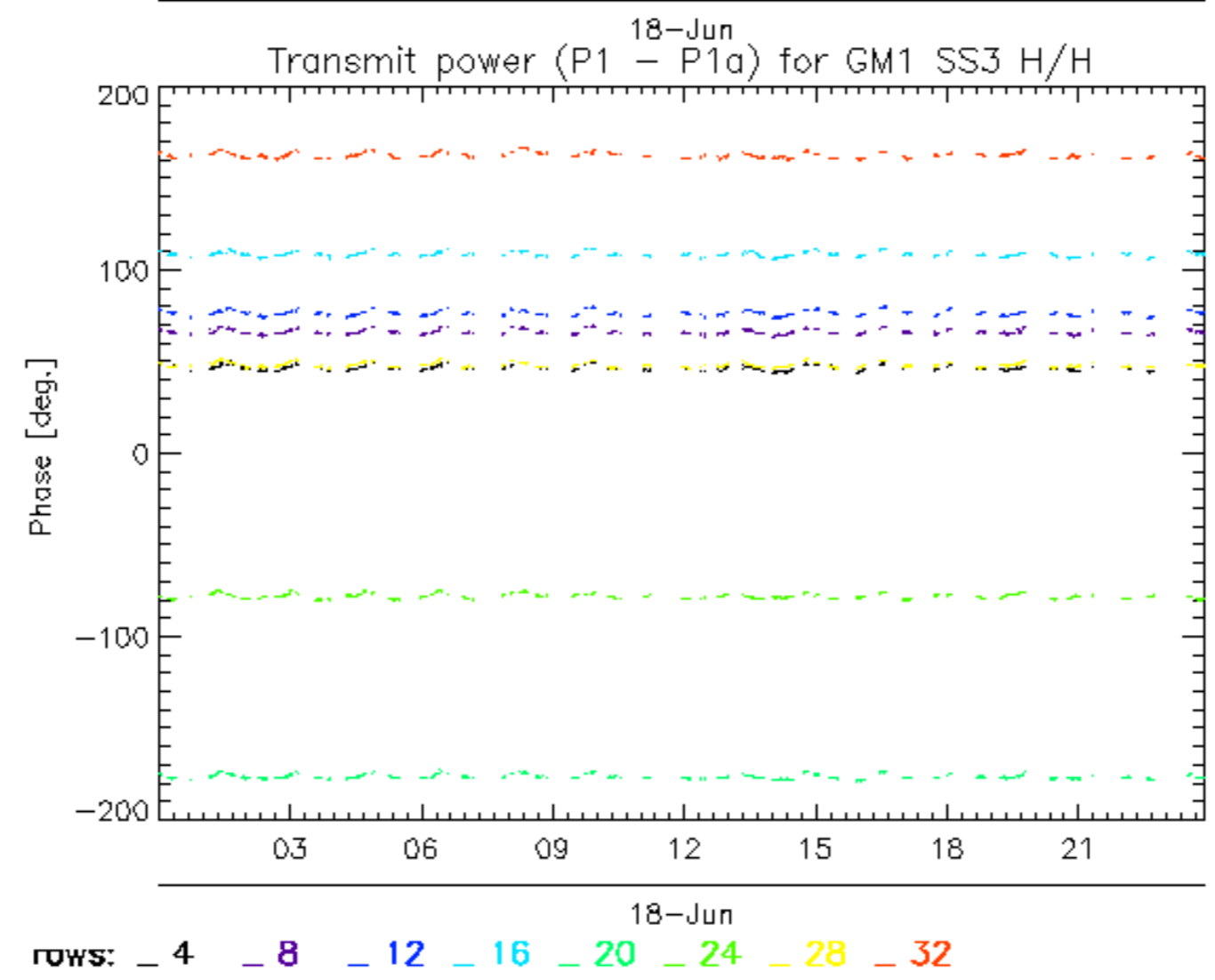
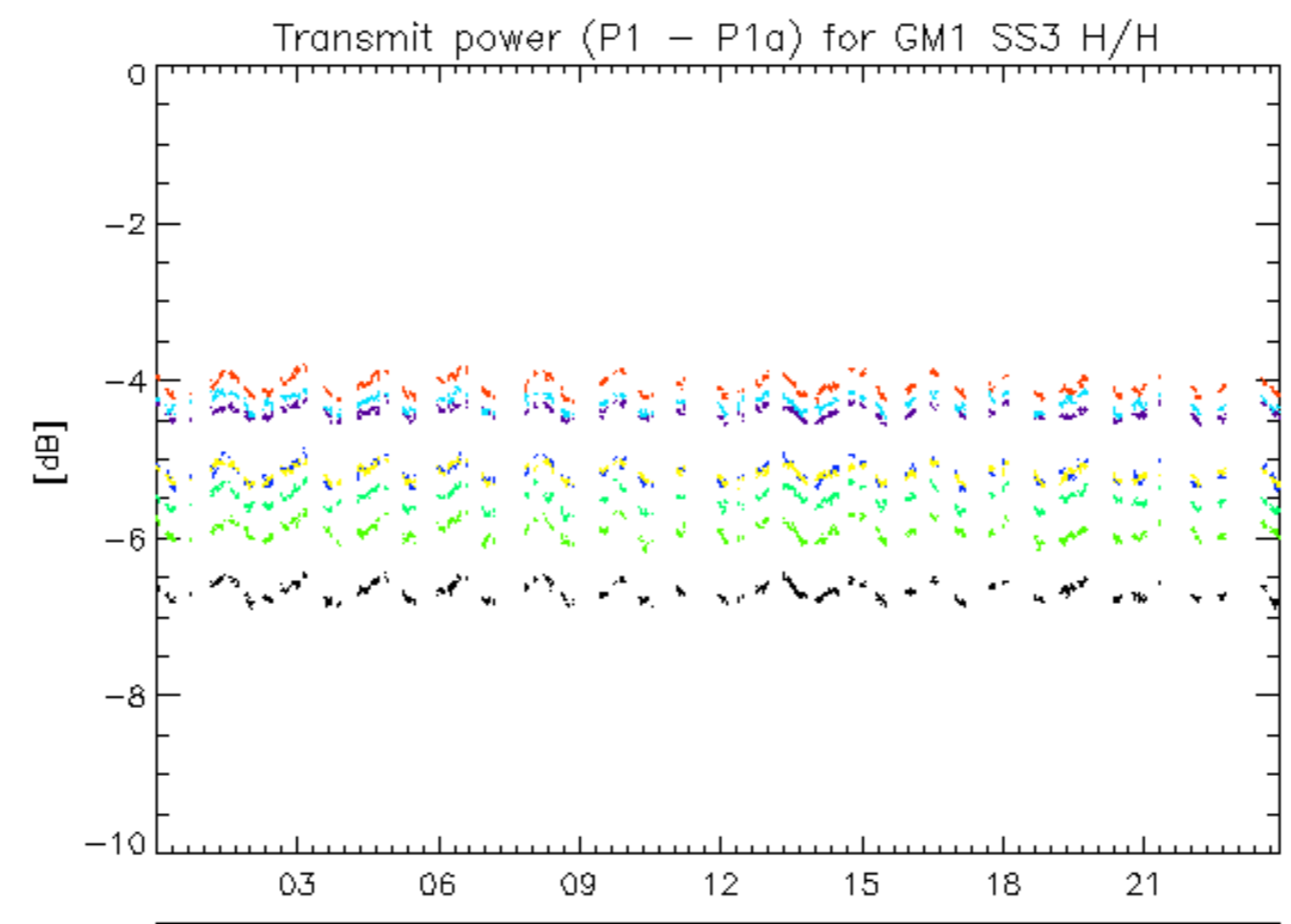


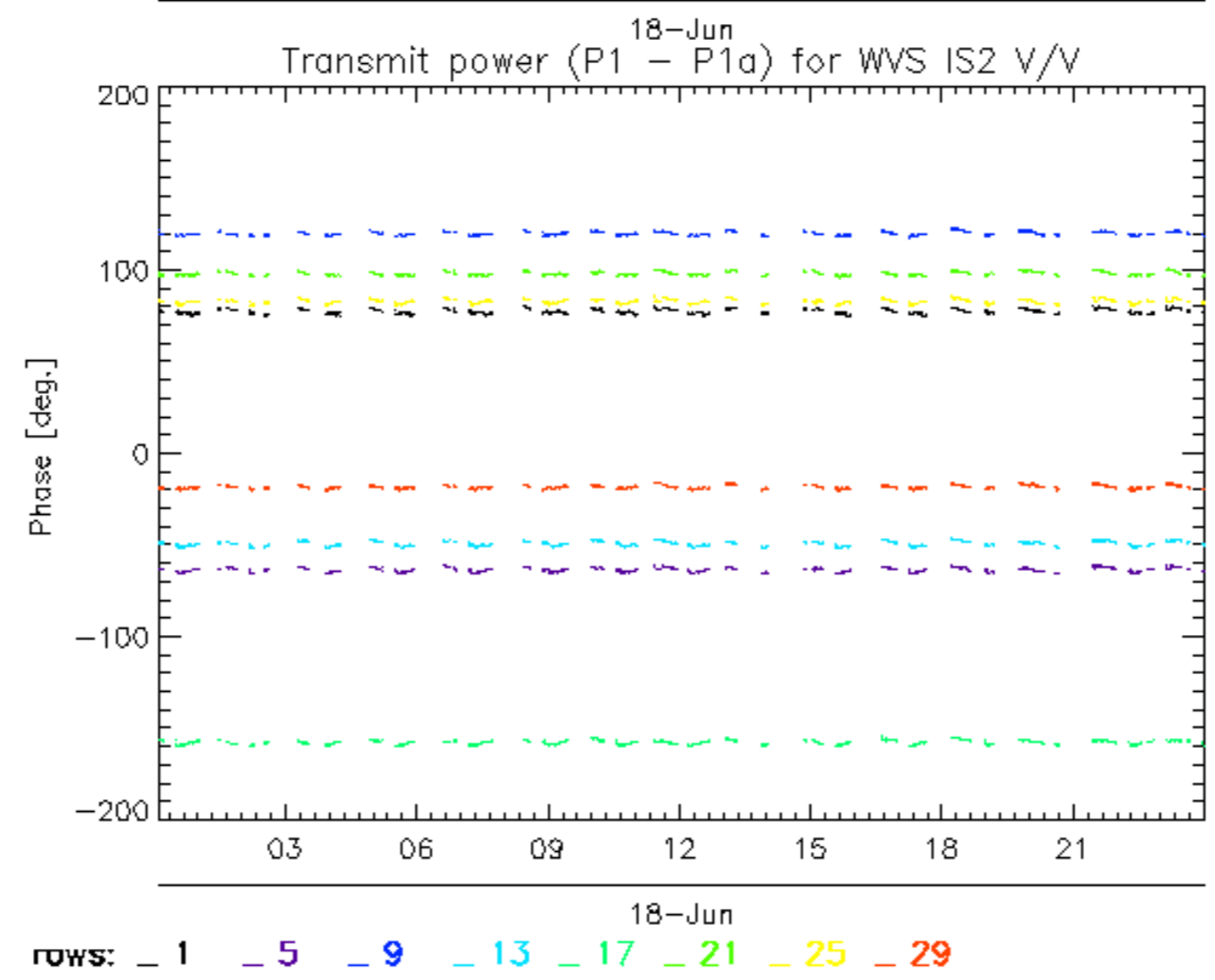
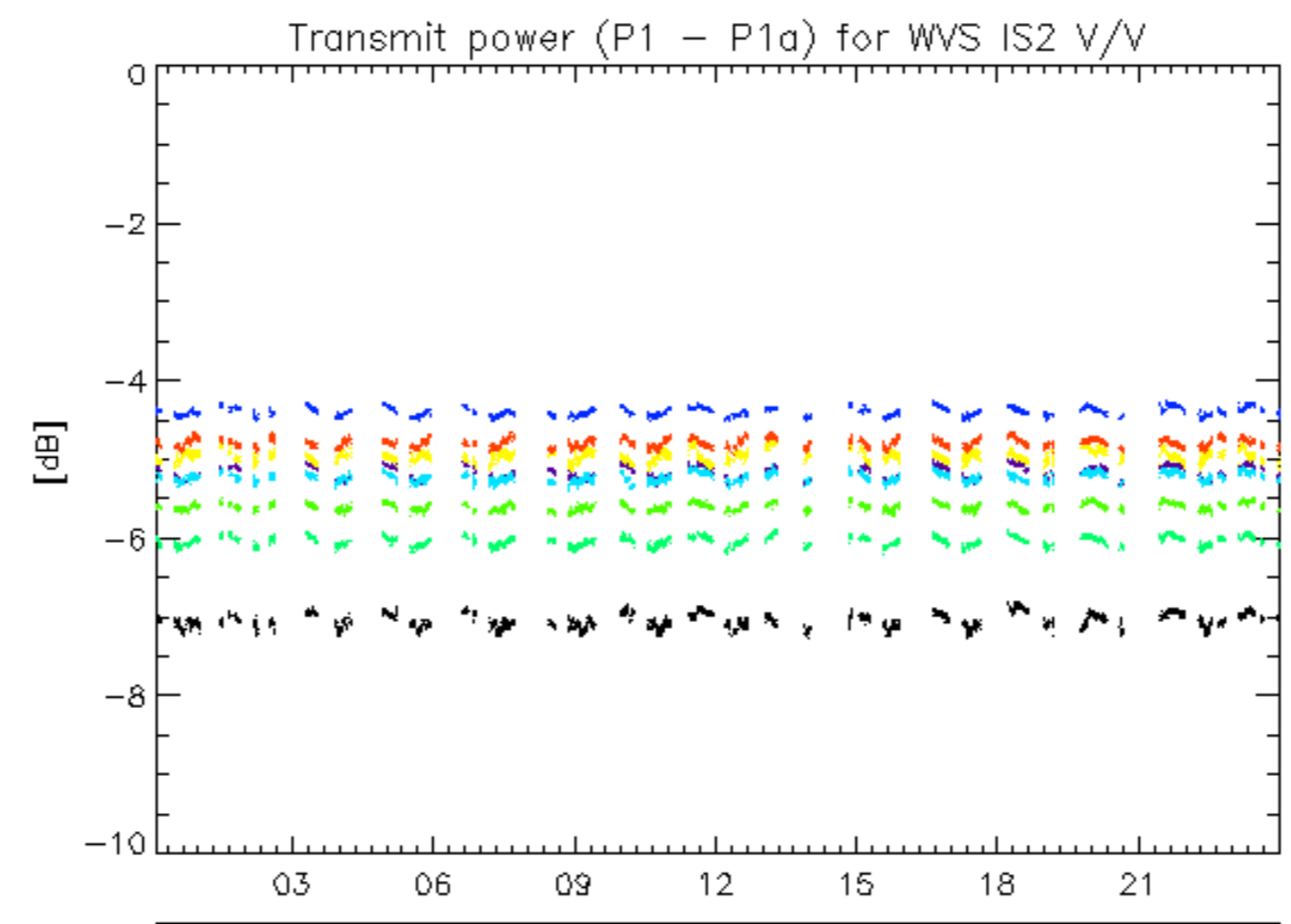


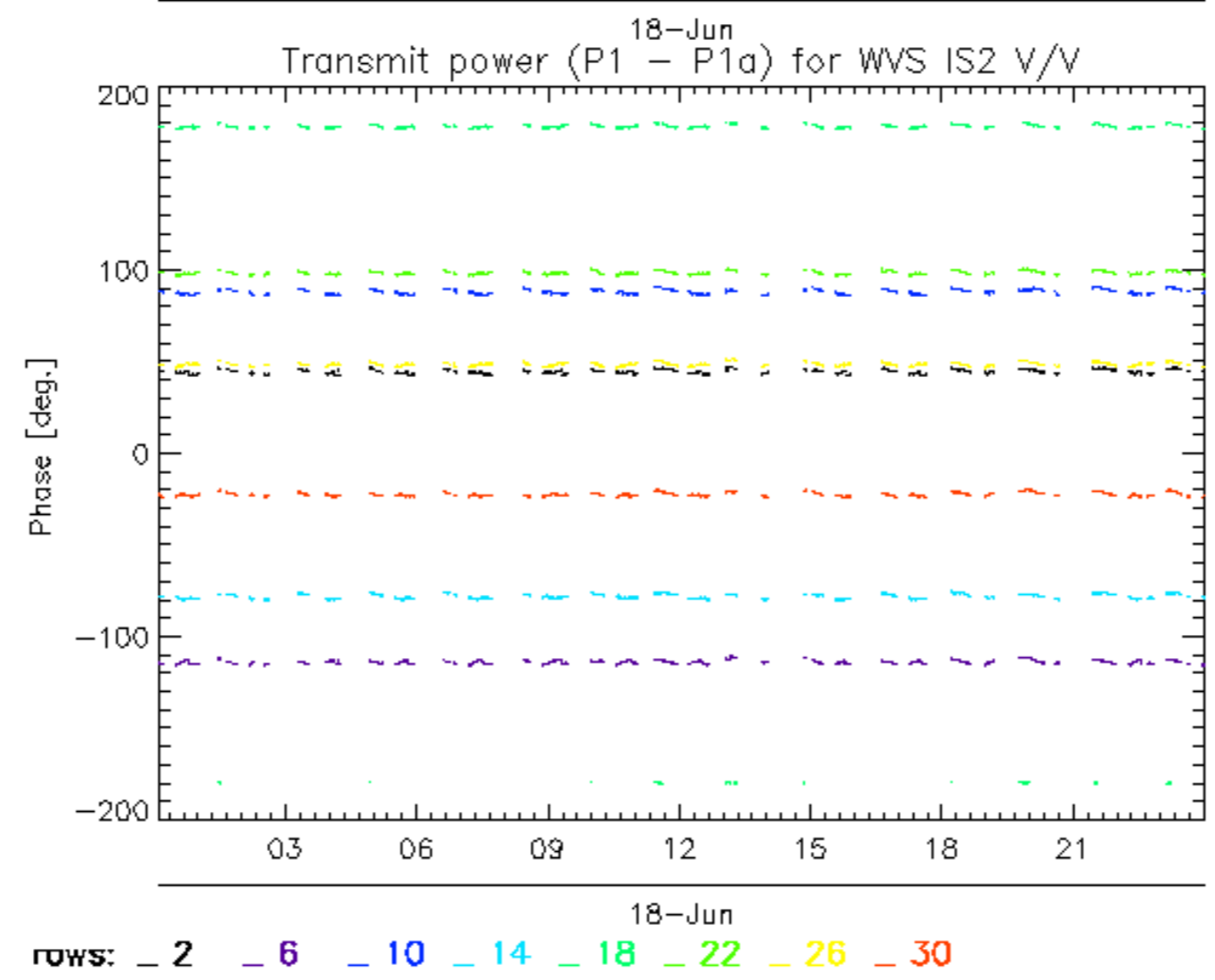
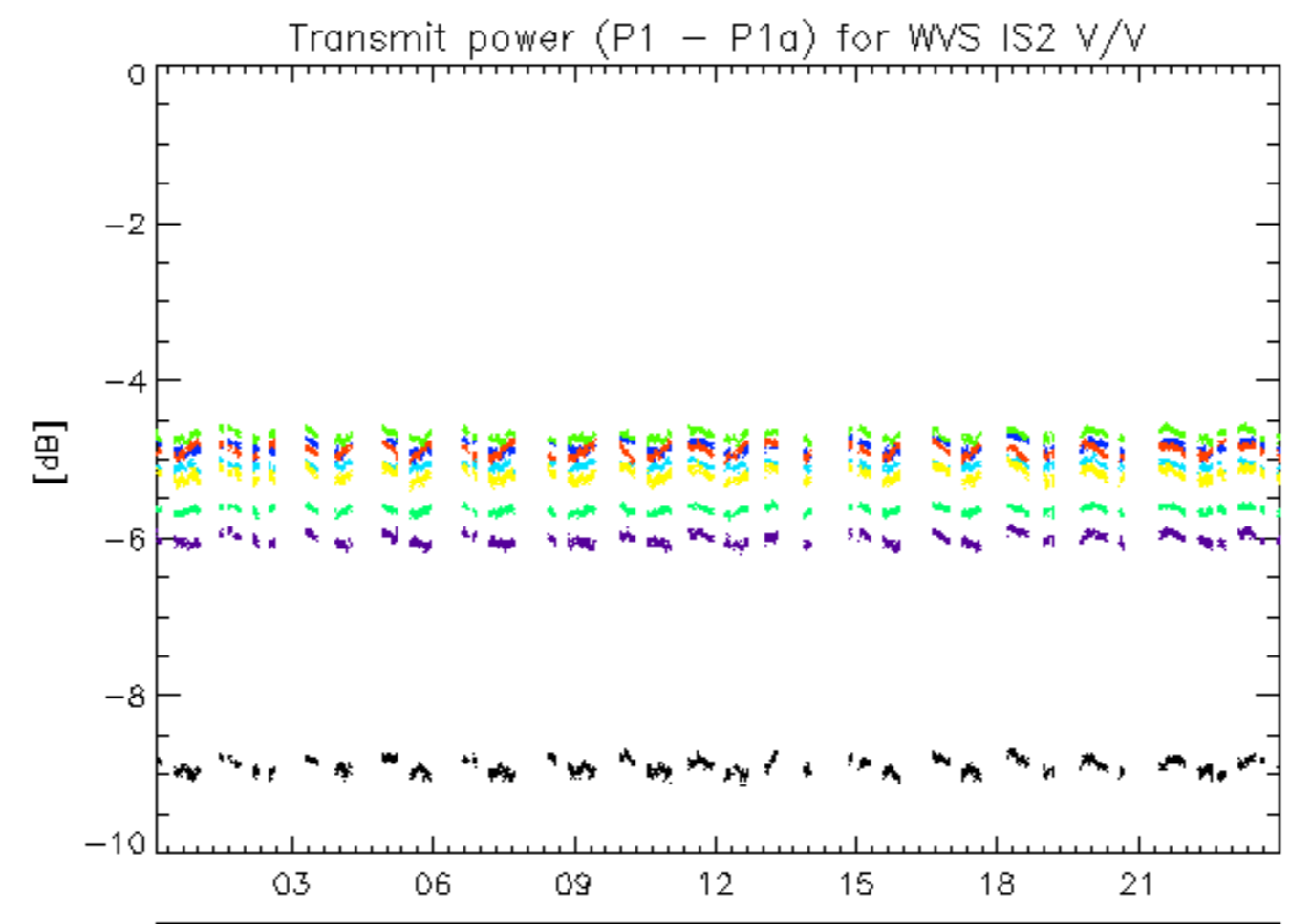


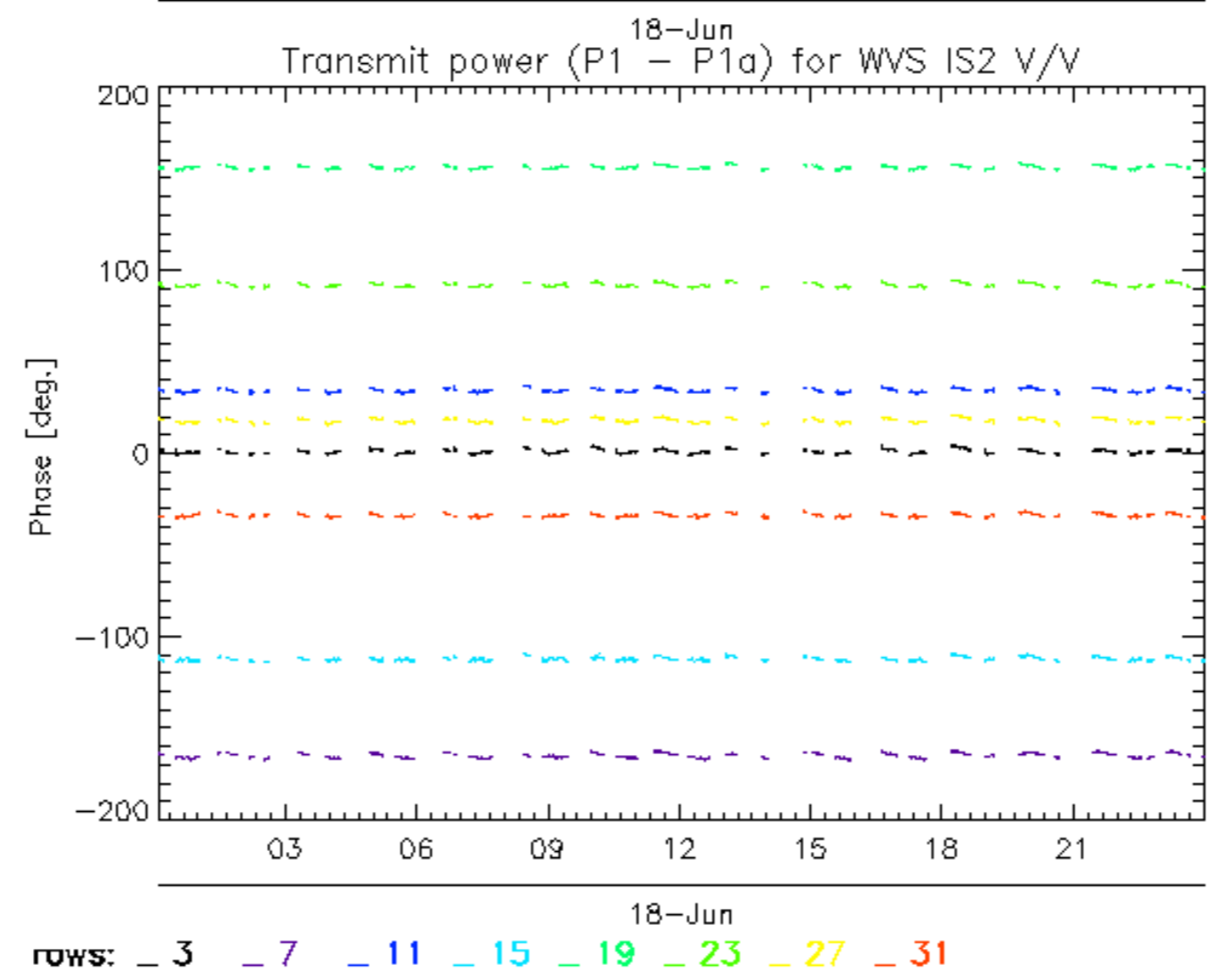
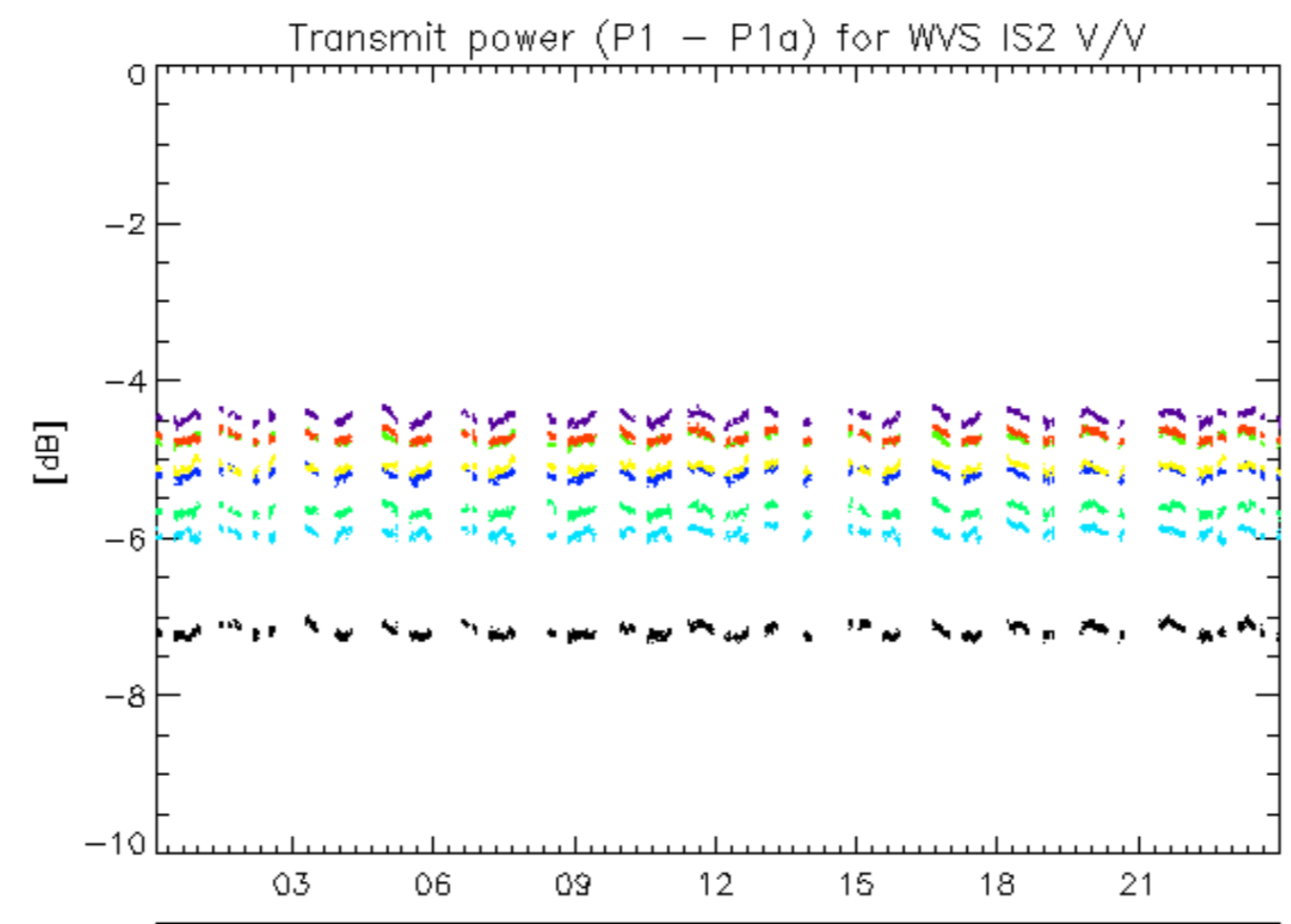


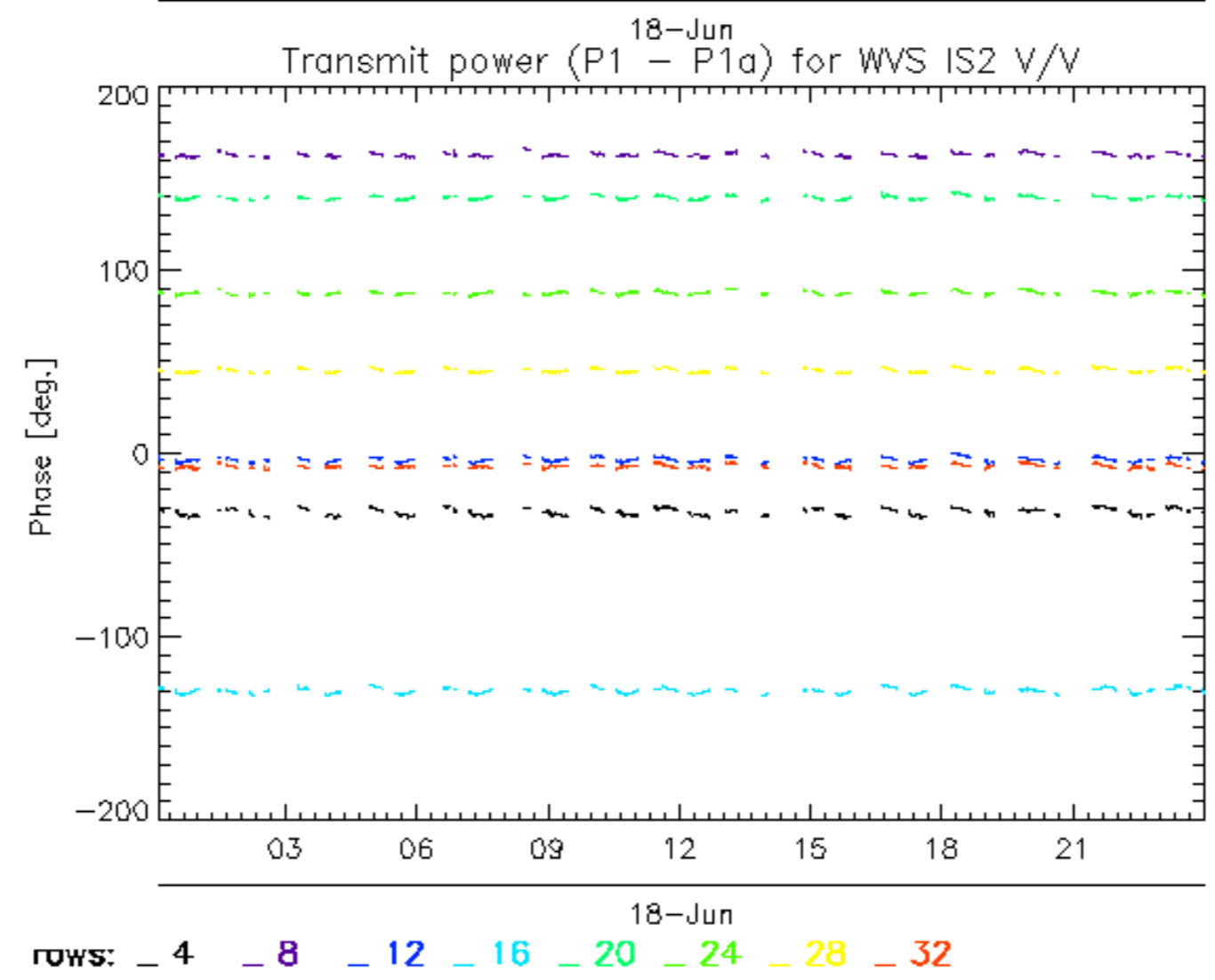
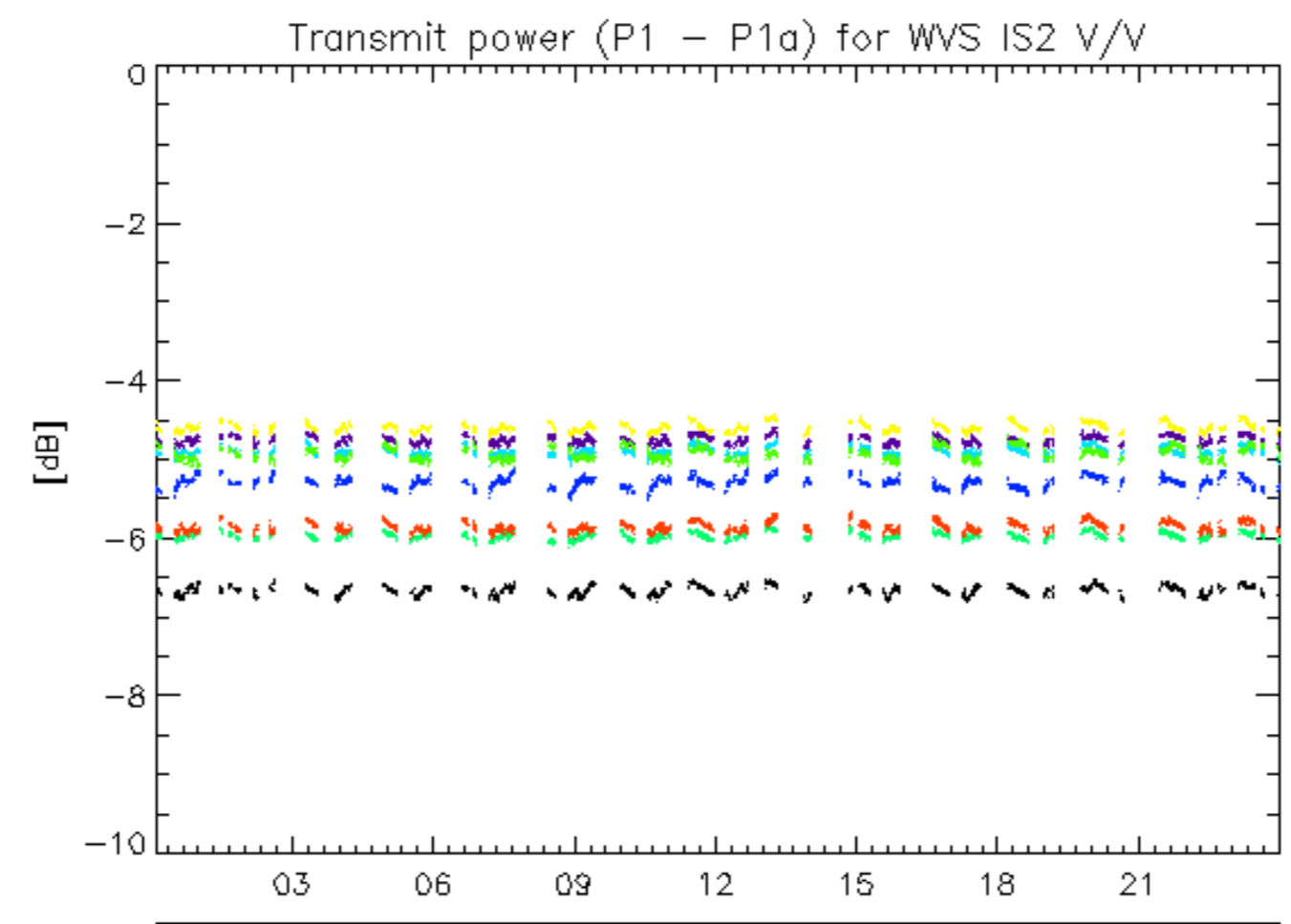


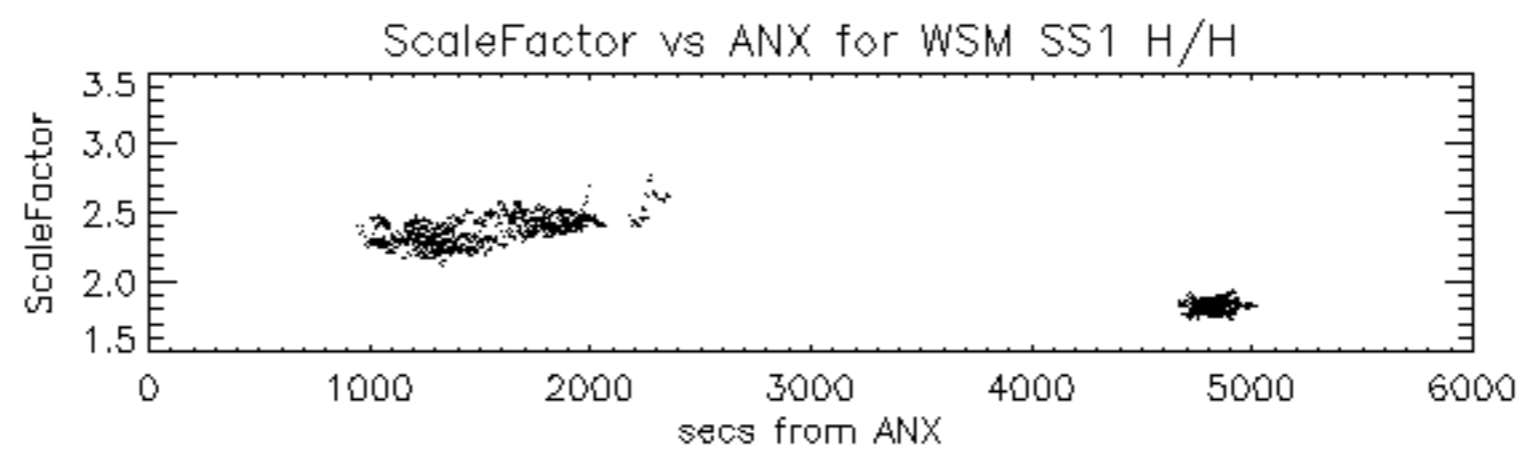


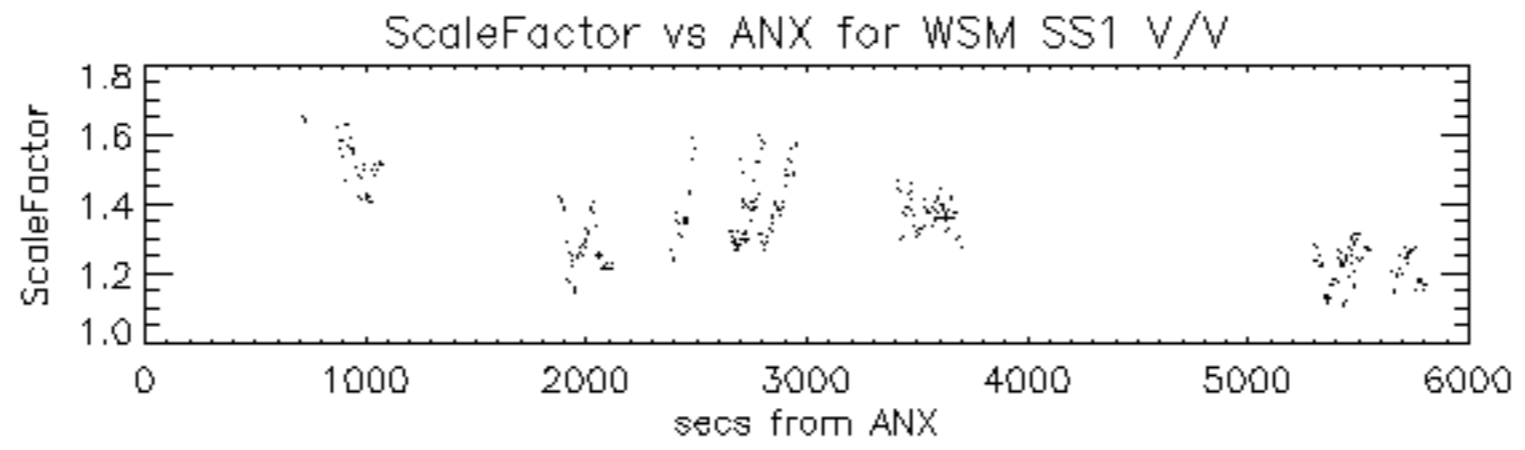


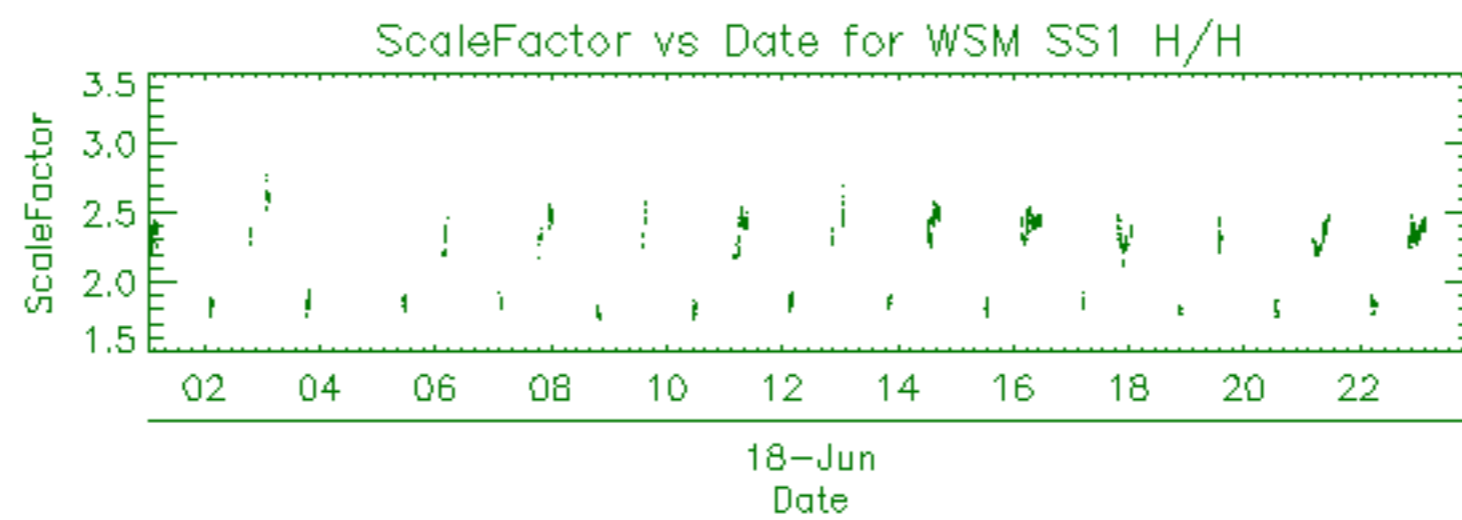




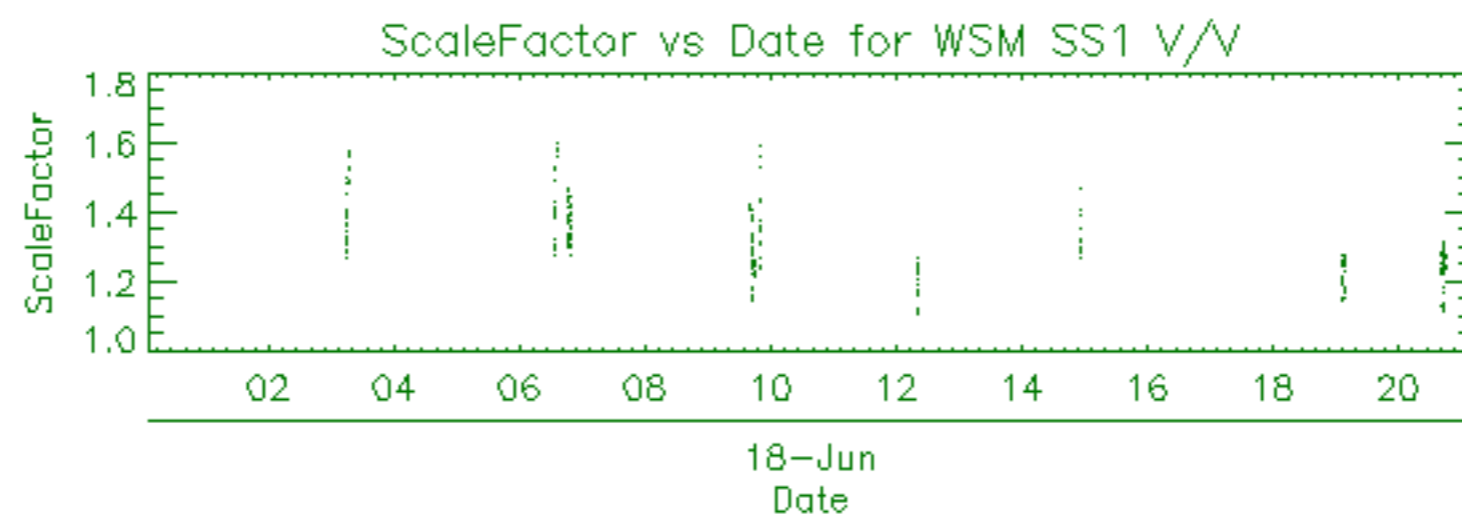












Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20100618_023855_000000432090_00247_43387_9627.N1						IS1	H/H	90	43387	247	5.03
ASA_APM_1PNPDE20100618_030807_000000592090_00247_43387_9630.N1						IS3	H/H	90	43387	247	5.03
ASA_APM_1PNPDE20100618_041112_000000902090_00248_43388_9653.N1						IS4	V/H	90	43388	248	5.03
ASA_APM_1PNPDE20100618_132205_000000782090_00253_43393_9784.N1						IS4	V/H	90	43393	253	5.03

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20100617_235639_000005012090_00245_43385_9592.N1						SS1	H/H	90	43385	245	5.03
ASA_GM1_1PNPDE20100618_001254_000006282090_00245_43385_9595.N1						SS1	H/H	90	43385	245	5.03
ASA_GM1_1PNPDE20100618_004257_000001142090_00245_43385_9606.N1						SS1	H/H	90	43385	245	5.03
ASA_GM1_1PNPDE20100618_011024_000009852090_00246_43386_9611.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_013208_000000722090_00246_43386_9610.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_013515_000002472090_00246_43386_9613.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_014207_000002412090_00246_43386_9614.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_015330_000006282090_00246_43386_9618.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_021638_000007792090_00246_43386_9633.N1						SS1	H/H	90	43386	246	5.03
ASA_GM1_1PNPDE20100618_023958_000004162090_00247_43387_9639.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_024842_000009122090_00247_43387_9638.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_030635_000000902090_00247_43387_9637.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_030926_000002172090_00247_43387_9634.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_033523_000005732090_00247_43387_9662.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_035109_000002472090_00247_43387_9660.N1						SS1	H/H	90	43387	247	5.03
ASA_GM1_1PNPDE20100618_041610_000016922090_00248_43388_9658.N1						SS1	H/H	90	43388	248	5.03
ASA_GM1_1PNPDE20100618_045251_000001082090_00248_43388_9656.N1						SS1	H/H	90	43388	248	5.03
ASA_GM1_1PNPDE20100618_051442_000007012090_00248_43388_9692.N1						SS1	H/H	90	43388	248	5.03
ASA_GM1_1PNPDE20100618_052839_000001202090_00248_43388_9691.N1						SS1	H/H	90	43388	248	5.03
ASA_GM1_1PNPDE20100618_055901_000005432090_00249_43389_9689.N1						SS1	H/H	90	43389	249	5.03
ASA_GM1_1PNPDE20100618_061148_000010392090_00249_43389_9687.N1						SS1	H/H	90	43389	249	5.03
ASA_GM1_1PNPDE20100618_063504_000001572090_00249_43389_9681.N1						SS1	H/H	90	43389	249	5.03
ASA_GM1_1PNPDK20100618_065518_000006772090_00249_43389_4936.N1						SS1	H/H	90	43389	249	5.03
ASA_GM1_1PNPDK20100618_070927_000001082090_00249_43389_4938.N1						SS1	H/H	90	43389	249	5.03
ASA_GM1_1PNPDK20100618_075016_000003082090_00250_43390_4941.N1						SS1	H/H	90	43390	250	5.03
ASA_GM1_1PNPDK20100618_080200_000001692090_00250_43390_4960.N1						SS1	H/H	90	43390	250	5.03
ASA_GM1_1PNPDK20100618_081501_000007192090_00250_43390_4961.N1						SS1	H/H	90	43390	250	5.03
ASA_GM1_1PNPDK20100618_083554_000006712090_00250_43390_4962.N1						SS1	H/H	90	43390	250	5.03
ASA_GM1_1PNPDK20100618_085044_00000662090_00250_43390_4964.N1						SS1	H/H	90	43390	250	5.03
ASA_GM1_1PNPDK20100618_092637_000005372090_00251_43391_4967.N1						SS1	H/H	90	43391	251	5.03
ASA_GM1_1PNPDK20100618_094451_000000722090_00251_43391_4980.N1						SS1	H/H	90	43391	251	5.03
ASA_GM1_1PNPDK20100618_095103_000004282090_00251_43391_4982.N1						SS1	H/H	90	43391	251	5.03
ASA_GM1_1PNPDK20100618_101629_000006282090_00251_43391_4984.N1						SS1	H/H	90	43391	251	5.03
ASA_GM1_1PNPDK20100618_103113_000000722090_00251_43391_4985.N1						SS1	H/H	90	43391	251	5.03
ASA_GM1_1PNPDK20100618_110405_000003682090_00252_43392_4987.N1						SS1	H/H	90	43392	252	5.03
ASA_GM1_1PNPDK20100618_111204_000001752090_00252_43392_4989.N1						SS1	H/H	90	43392	252	5.03
ASA_GM1_1PNPDK20100618_115705_000006282090_00252_43392_5013.N1						SS1	H/H	90	43392	252	5.03
ASA_GM1_1PNPDK20100618_122137_000001382090_00252_43392_5015.N1						SS1	H/H	90	43392	252	5.03
ASA_GM1_1PNPDK20100618_122648_000001382090_00252_43392_5016.N1						SS1	H/H	90	43392	252	5.03
ASA_GM1_1PNPDK20100618_124405_000004042090_00253_43393_5017.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_125241_000002652090_00253_43393_5019.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_125618_000003202090_00253_43393_5036.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_131910_000001752090_00253_43393_5035.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_132340_000003802090_00253_43393_5037.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_133002_000003802090_00253_43393_5038.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_133741_0000007072090_00253_43393_5040.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_140130_000008042090_00253_43393_5041.N1						SS1	H/H	90	43393	253	5.03
ASA_GM1_1PNPDK20100618_141714_000008102090_00254_43394_5044.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_141714_000008102090_00254_43394_5046.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_141714_000008102090_00254_43394_5043.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_144341_000003682090_00254_43394_5056.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_145809_000003322090_00254_43394_5058.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_151817_000007732090_00254_43394_5060.N1						SS1	H/H	90	43394	254	5.03
ASA_GM1_1PNPDK20100618_155621_000007192090_00255_43395_5062.N1						SS1	H/H	90	43395	255	5.03
ASA_GM1_1PNPDK20100618_162620_000000842090_00255_43395_5077.N1						SS1	H/H	90	43395	255	5.03
ASA_GM1_1PNPDK20100618_162934_000003862090_00255_43395_5078.N1						SS1	H/H	90	43395	255	5.03
ASA_GM1_1PNPDK20100618_165853_000007732090_00255_43395_5080.N1						SS1	H/H	90	43395	255	5.03
ASA_GM1_1PNPDK20100618_174225_000003802090_00256_43396_5081.N1						SS1	H/H	90	43396	256	5.03
ASA_GM1_1PNPDK20100618_175856_000001022090_00256_43396_5094.N1						SS1	H/H	90	43396	256	5.03
ASA_GM1_1PNPDK20100618_180331_000001322090_00256_43396_5095.N1						SS1	H/H	90	43396	256	5.03
ASA_GM1_1PNPDK20100618_183929_000007732090_00256_43396_5098.N1						SS1	H/H	90	43396	256	5.03
ASA_GM1_1PNPDK20100618_191247_000009732090_00257_43397_5099.N1						SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_192748_000002472090_00257_43397_5114.N1						SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_192748_000002472090_00257_43397_5128.N1						SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_193605_000006282090_00257_43397_5130.N1						SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_193605_000006282090_00257_43397_5116.N1						SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_202005_000006892090_00257_43397_5132.N1						SS1	H/H	90	43397	257	5.03

ASA_GM1_1PNPDK20100618_202005_000006892090_00257_43397_5118.N1	SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDK20100618_204533_000010152090_00257_43397_5121.N1	SS1	H/H	90	43397	257	5.03
ASA_GM1_1PNPDE20100618_211906_000001262090_00258_43398_9808.N1	SS1	H/H	90	43398	258	5.03
ASA_GM1_1PNPDE20100618_220041_000006222090_00258_43398_9811.N1	SS1	H/H	90	43398	258	5.03
ASA_GM1_1PNPDE20100618_223457_000004532090_00259_43399_9823.N1	SS1	H/H	90	43399	259	5.03
ASA_GM1_1PNPDE20100618_233007_000002112090_00259_43399_9824.N1	SS1	H/H	90	43399	259	5.03
ASA_GM1_1PNPDE20100618_233342_000001022090_00259_43399_9827.N1	SS1	H/H	90	43399	259	5.03
ASA_GM1_1PNPDE20100618_234117_000006952090_00259_43399_9829.N1	SS1	H/H	90	43399	259	5.03

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_IMM_1PNPDE20100618_013324_000000972090_00246_43386_9626.N1						IS3	H/H	90	43386	246	5.03
ASA_IMM_1PNPDE20100618_041452_000000632090_00248_43388_9654.N1						IS2	V/V	90	43388	248	5.03
ASA_IMM_1PNPDE20100618_044423_0000004962090_00248_43388_9669.N1						IS2	V/V	90	43388	248	5.03
ASA_IMM_1PNPDE20100618_055758_000000532090_00249_43389_9672.N1						IS2	V/V	90	43389	249	5.03
ASA_IMM_1PNPDE20100618_062905_000001052090_00249_43389_9674.N1						IS2	V/V	90	43389	249	5.03
ASA_IMM_1PNPDK20100618_074349_000001832090_00250_43390_4948.N1						IS2	V/V	90	43390	250	5.03
ASA_IMM_1PNPDE20100618_075525_000000532090_00250_43390_9712.N1						IS2	H/H	90	43390	250	5.03
ASA_IMM_1PNPDE20100618_081137_000001942090_00250_43390_9714.N1						IS2	V/V	90	43390	250	5.03
ASA_IMM_1PNPDE20100618_093921_000000532090_00251_43391_9737.N1						IS2	V/V	90	43391	251	5.03
ASA_IMM_1PNPDK20100618_094605_000000372090_00251_43391_4976.N1						IS2	V/V	90	43391	251	5.03
ASA_IMM_1PNPDE20100618_094645_000000502090_00251_43391_9739.N1						IS3	H/H	90	43391	251	5.03
ASA_IMM_1PNPDE20100618_100928_000000532090_00251_43391_9741.N1						IS2	V/V	90	43391	251	5.03
ASA_IMM_1PNPDK20100618_112311_000001642090_00252_43392_5000.N1						IS2	V/V	90	43392	252	5.03
ASA_IMM_1PNPDE20100618_113457_000000832090_00252_43392_9762.N1						IS2	V/V	90	43392	252	5.03
ASA_IMM_1PNPDK20100618_124314_000000402090_00253_43393_5030.N1						IS2	V/V	90	43393	253	5.03
ASA_IMM_1PNPDE20100618_163556_000000822090_00255_43395_9797.N1						IS2	V/V	90	43395	255	5.03
ASA_IMM_1PNPDE20100618_173811_000002432090_00256_43396_9792.N1						IS6	V/V	90	43396	256	5.03
ASA_IMM_1PNPDE20100618_180042_000000392090_00256_43396_9801.N1						IS1	V/V	90	43396	256	5.03
ASA_IMM_1PNPDE20100618_180547_000000522090_00256_43396_9803.N1						IS1	V/V	90	43396	256	5.03
ASA_IMM_1PNPDE20100618_180733_000003402090_00256_43396_9804.N1						IS2	V/V	90	43396	256	5.03
ASA_IMM_1PNPDE20100618_193157_000000372090_00257_43397_9805.N1						IS2	V/V	90	43397	257	5.03
ASA_IMM_1PNPDK20100618_210553_000000362090_00258_43398_5115.N1						IS2	V/V	90	43398	258	5.03
ASA_IMM_1PNPDK20100618_210553_000000362090_00258_43398_5129.N1						IS2	V/V	90	43398	258	5.03

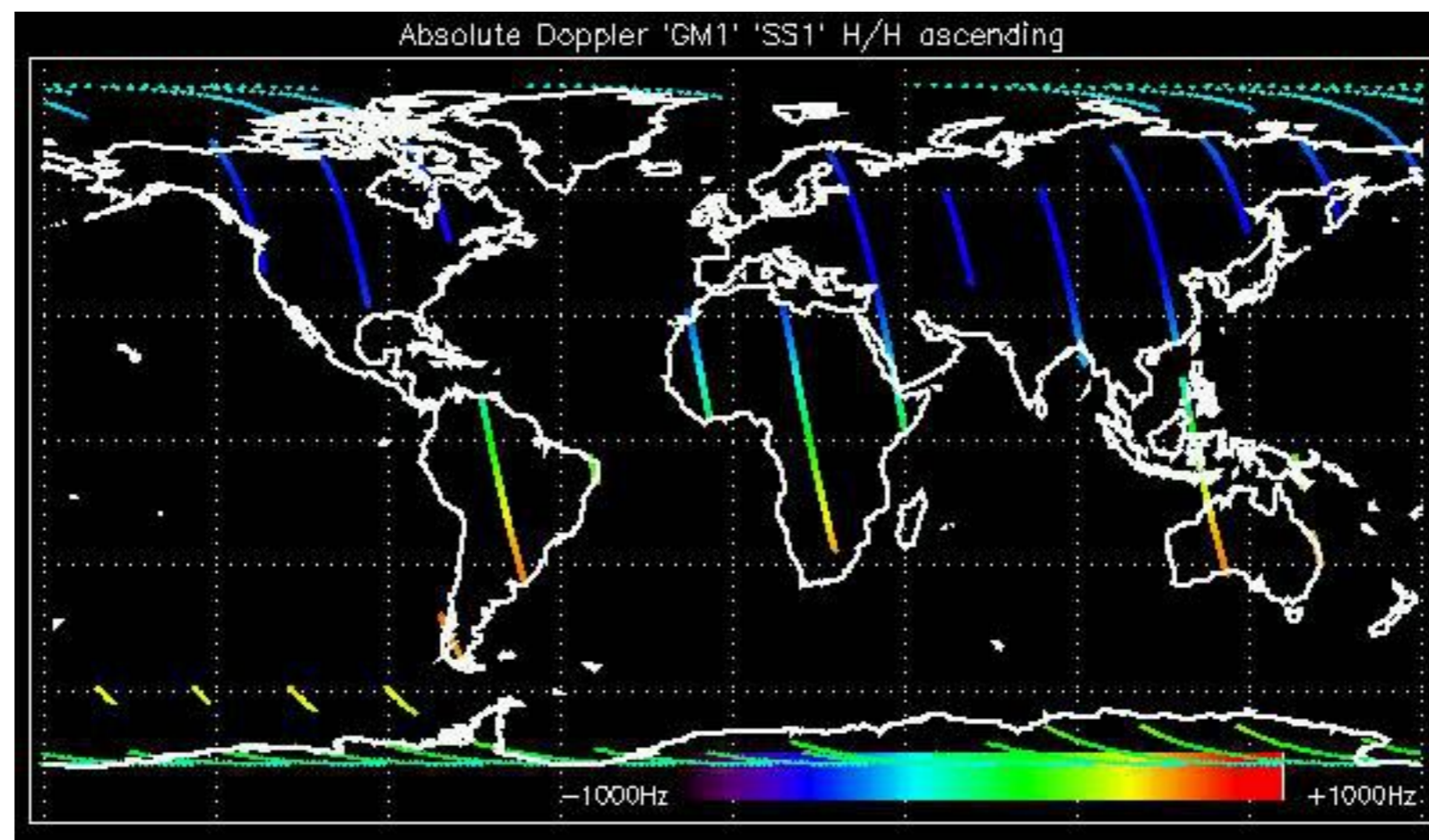
Filename	Pol	Timestamp	count(Module)
ASA_MS__0PNPDE20100618_033404_000000162090_00247_43387_0551.N1	V	2010-06-18 03:34:04	320

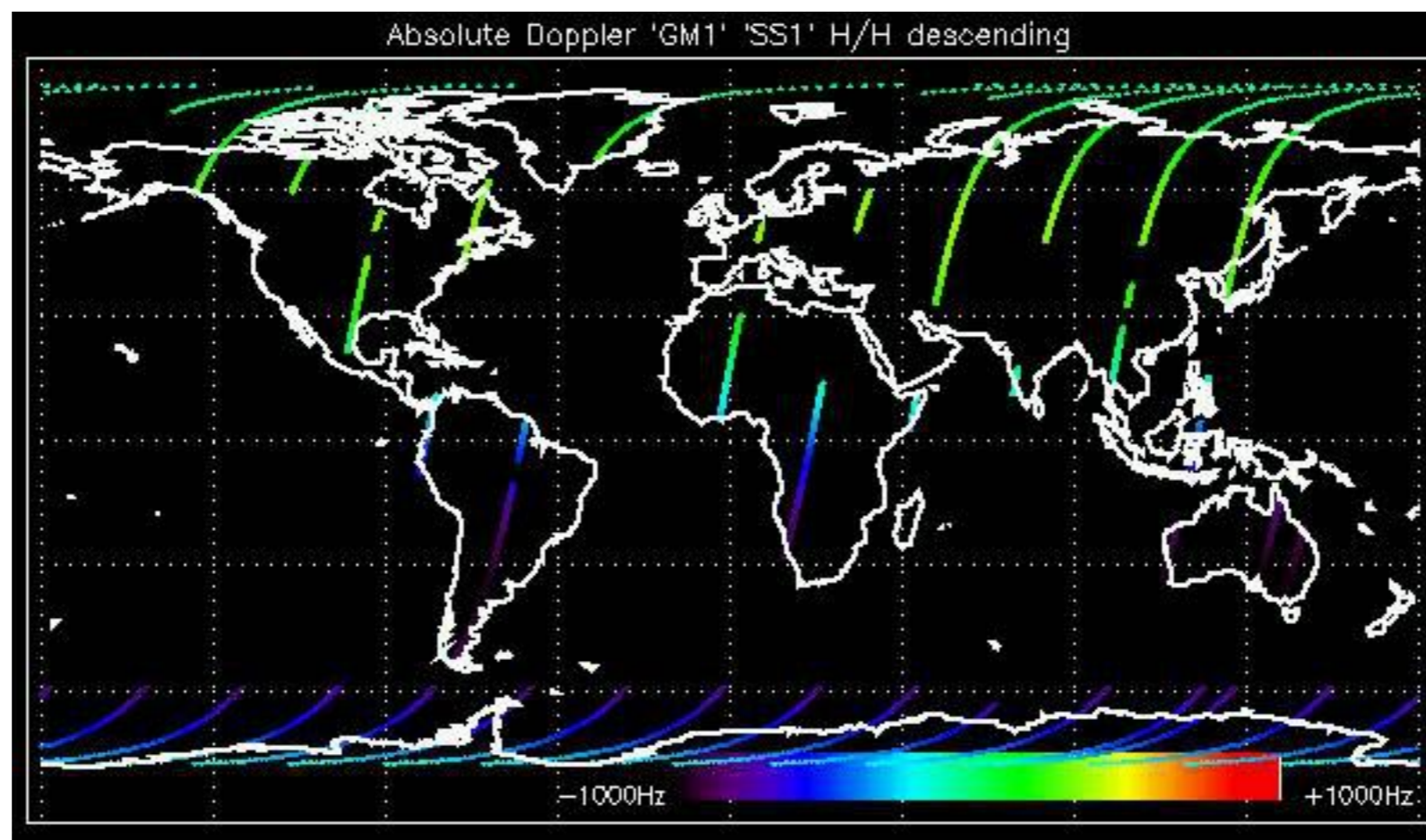


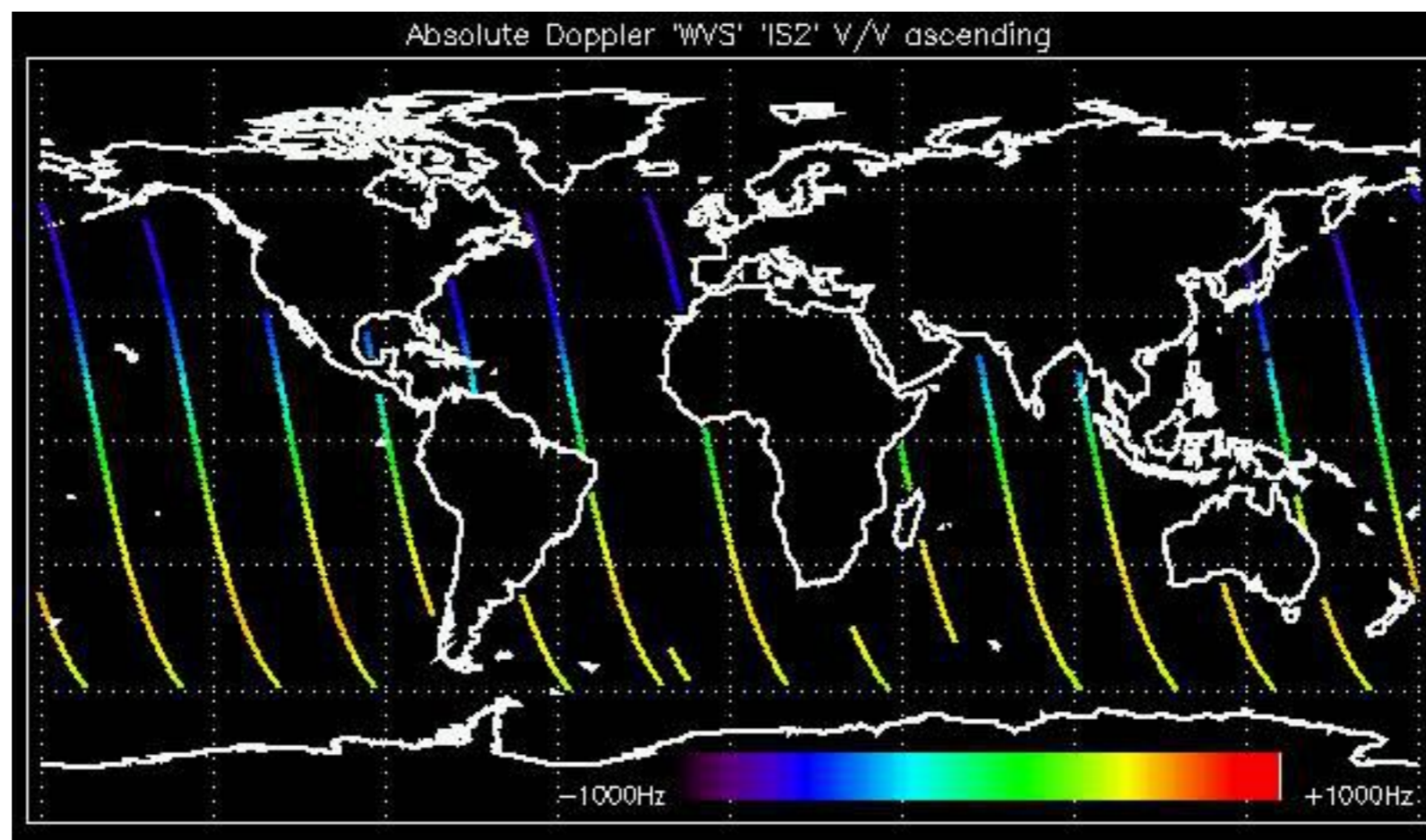
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WSM_1PNPDE20100618_000507_000000862090_00245_43385_9650.N1						SS1	V/V	90	43385	245	5.03
ASA_WSM_1PNPDE20100618_010158_000005022090_00246_43386_9625.N1						SS1	H/H	90	43386	246	5.03
ASA_WSM_1PNPDE20100618_020437_000002882090_00246_43386_9652.N1						SS1	H/H	90	43386	246	5.03
ASA_WSM_1PNPDE20100618_024700_000000982090_00247_43387_9628.N1						SS1	H/H	90	43387	247	5.03
ASA_WSM_1PNPDE20100618_030402_000001472090_00247_43387_9629.N1						SS1	H/H	90	43387	247	5.03
ASA_WSM_1PNPDE20100618_031307_000001842090_00247_43387_9631.N1						SS1	V/V	90	43387	247	5.03
ASA_WSM_1PNPDE20100618_034502_000002452090_00247_43387_9651.N1						SS1	H/H	90	43387	247	5.03
ASA_WSM_1PNPDE20100618_052628_000001222090_00248_43388_9671.N1						SS1	H/H	90	43388	248	5.03
ASA_WSM_1PNPDE20100618_060812_000002082090_00249_43389_9673.N1						SS1	H/H	90	43389	249	5.03
ASA_WSM_1PNPDE20100618_063207_000001772090_00249_43389_9676.N1						SS1	V/V	90	43389	249	5.03
ASA_WSM_1PNPDE20100618_064448_000003062090_00249_43389_9679.N1						SS1	V/V	90	43389	249	5.03
ASA_WSM_1PNPDK20100618_070638_000001652090_00249_43389_4947.N1						SS1	H/H	90	43389	249	5.03
ASA_WSM_1PNPDK20100618_074738_000001532090_00250_43390_4951.N1						SS1	H/H	90	43390	250	5.03
ASA_WSM_1PNPDE20100618_075731_000002692090_00250_43390_9713.N1						SS1	H/H	90	43390	250	5.03
ASA_WSM_1PNPDK20100618_084710_000002082090_00250_43390_4974.N1						SS1	H/H	90	43390	250	5.03
ASA_WSM_1PNPDE20100618_093542_000001842090_00251_43391_9736.N1						SS1	H/H	90	43391	251	5.03
ASA_WSM_1PNPDE20100618_094026_000001472090_00251_43391_9738.N1						SS1	V/V	90	43391	251	5.03
ASA_WSM_1PNPDK20100618_094221_000001472090_00251_43391_4975.N1						SS1	V/V	90	43391	251	5.03
ASA_WSM_1PNPDE20100618_094858_000001222090_00251_43391_9740.N1						SS1	V/V	90	43391	251	5.03
ASA_WSM_1PNPDE20100618_102726_000002262090_00251_43391_9760.N1						SS1	H/H	90	43391	251	5.03
ASA_WSM_1PNPDE20100618_111020_000000982090_00252_43392_9761.N1						SS1	H/H	90	43392	252	5.03
ASA_WSM_1PNPDK20100618_111503_000004832090_00252_43392_4998.N1						SS1	H/H	90	43392	252	5.03
ASA_WSM_1PNPDK20100618_120739_000002452090_00252_43392_5026.N1						SS1	H/H	90	43392	252	5.03
ASA_WSM_1PNPDK20100618_121957_000000982090_00252_43392_5027.N1						SS1	V/V	90	43392	252	5.03
ASA_WSM_1PNPDK20100618_125056_000001042090_00253_43393_5028.N1						SS1	H/H	90	43393	253	5.03
ASA_WSM_1PNPDK20100618_130144_000001282090_00253_43393_5029.N1						SS1	H/H	90	43393	253	5.03
ASA_WSM_1PNPDE20100618_134932_000001772090_00253_43393_9785.N1						SS1	H/H	90	43393	253	5.03
ASA_WSM_1PNPDK20100618_143047_000005382090_00254_43394_5052.N1						SS1	H/H	90	43394	254	5.03
ASA_WSM_1PNPDE20100618_144011_000002022090_00254_43394_9786.N1						SS1	H/H	90	43394	254	5.03
ASA_WSM_1PNPDE20100618_145514_000001162090_00254_43394_9787.N1						SS1	V/V	90	43394	254	5.03
ASA_WSM_1PNPDE20100618_153118_000001282090_00254_43394_9788.N1						SS1	H/H	90	43394	254	5.03
ASA_WSM_1PNPDK20100618_160823_000005692090_00255_43395_5072.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDK20100618_161800_000000982090_00255_43395_5073.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDE20100618_161917_000001842090_00255_43395_9794.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDE20100618_162245_000002082090_00255_43395_9795.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDE20100618_162754_000000982090_00255_43395_9796.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDE20100618_171152_000001472090_00255_43395_9790.N1						SS1	H/H	90	43395	255	5.03
ASA_WSM_1PNPDK20100618_174853_000006002090_00256_43396_5091.N1						SS1	H/H	90	43396	256	5.03
ASA_WSM_1PNPDE20100618_180152_000000982090_00256_43396_9802.N1						SS1	H/H	90	43396	256	5.03
ASA_WSM_1PNPDE20100618_185227_000001282090_00256_43396_9799.N1						SS1	H/H	90	43396	256	5.03
ASA_WSM_1PNPDE20100618_190623_000001712090_00256_43396_9800.N1						SS1	V/V	90	43396	256	5.03
ASA_WSM_1PNPDK20100618_193333_000001472090_00257_43397_5105.N1						SS1	H/H	90	43397	257	5.03
ASA_WSM_1PNPDE20100618_203140_000002202090_00257_43397_9806.N1						SS1	H/H	90	43397	257	5.03
ASA_WSM_1PNPDE20100618_204100_000002692090_00257_43397_9807.N1						SS1	V/V	90	43397	257	5.03
ASA_WSM_1PNPDK20100618_210520_000000302090_00258_43398_5127.N1						SS1	V/V	90	43398	258	5.03
ASA_WSM_1PNPDK20100618_210520_000000302090_00258_43398_5113.N1						SS1	V/V	90	43398	258	5.03
ASA_WSM_1PNPDK20100618_210756_000002202090_00258_43398_5124.N1						SS1	V/V	90	43398	258	5.03
ASA_WSM_1PNPDK20100618_211225_000003242090_00258_43398_5126.N1						SS1	H/H	90	43398	258	5.03
ASA_WSM_1PNPDE20100618_211714_000001042090_00258_43398_9819.N1						SS1	H/H	90	43398	258	5.03
ASA_WSM_1PNPDE20100618_212119_000003672090_00258_43398_9820.N1						SS1	H/H	90	43398	258	5.03
ASA_WSM_1PNPDE20100618_221106_000003612090_00258_43398_9818.N1						SS1	H/H	90	43398	258	5.03
ASA_WSM_1PNPDK20100618_225041_000004162090_00259_43399_5138.N1						SS1	H/H	90	43399	259	5.03
ASA_WSM_1PNPDE20100618_225622_000002142090_00259_43399_9837.N1						SS1	H/H	90	43399	259	5.03
ASA_WSM_1PNPDE20100618_230035_000004532090_00259_43399_9838.N1						SS1	H/H	90	43399	259	5.03
ASA_WSM_1PNPDE20100618_235300_000002942090_00259_43399_9836.N1						SS1	H/H	90	43399	259	5.03

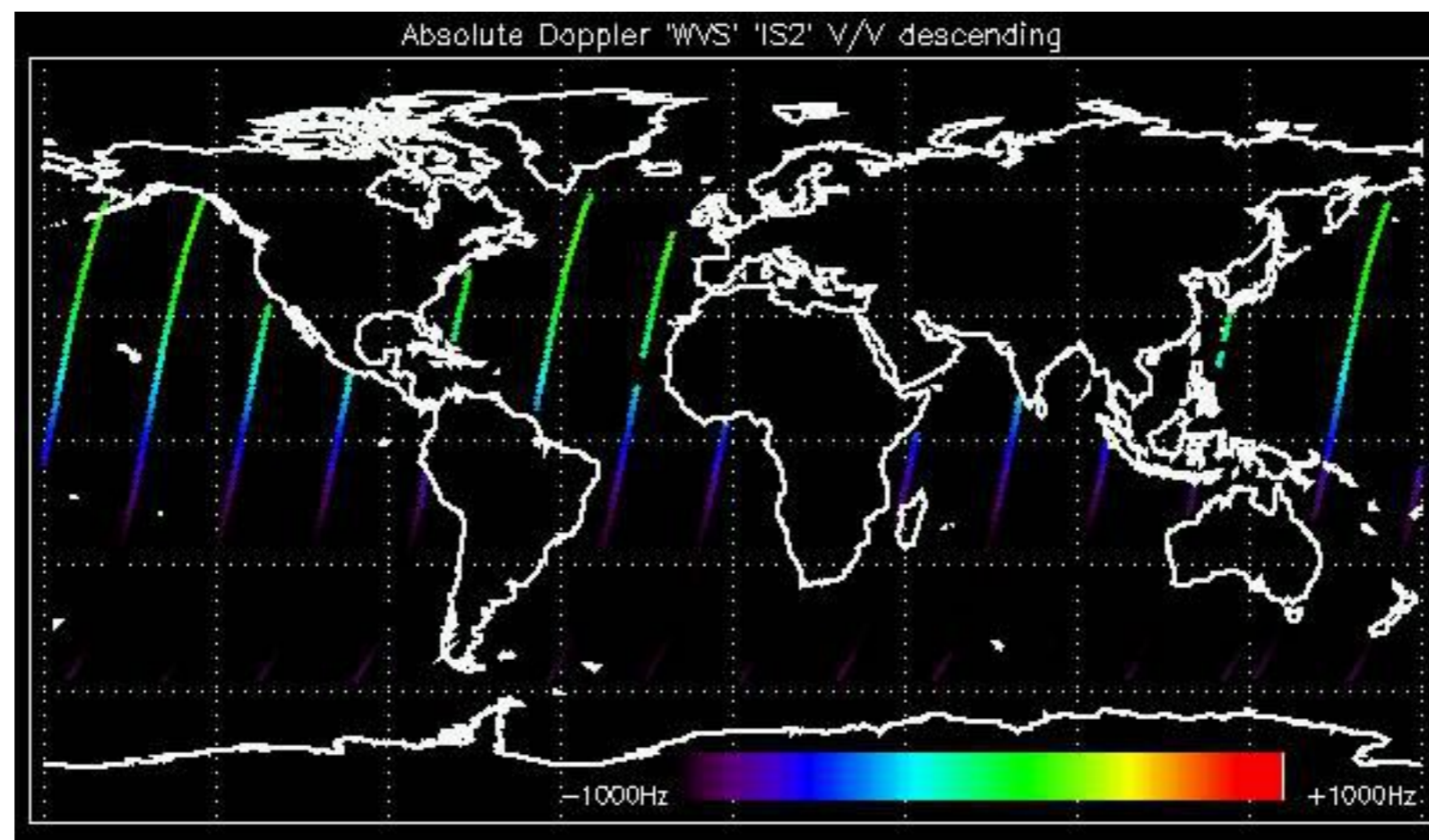
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_WVS_1PNPDE20100618_000635_000003302090_00245_43385_9591.N1						IS2	V/V	90	43385	245	5.03
ASA_WVS_1PNPDE20100618_002913_000003602090_00245_43385_9594.N1						IS2	V/V	90	43385	245	5.03
ASA_WVS_1PNPDE20100618_003428_000004642090_00245_43385_9607.N1						IS2	V/V	90	43385	245	5.03
ASA_WVS_1PNPDE20100618_004459_000009742090_00245_43385_9608.N1						IS2	V/V	90	43385	245	5.03
ASA_WVS_1PNPDE20100618_012653_000002662090_00246_43386_9609.N1						IS2	V/V	90	43386	246	5.03
ASA_WVS_1PNPDE20100618_013923_000001192090_00246_43386_9612.N1						IS2	V/V	90	43386	246	5.03
ASA_WVS_1PNPDE20100618_014611_000003902090_00246_43386_9615.N1						IS2	V/V	90	43386	246	5.03
ASA_WVS_1PNPDE20100618_020925_000001352090_00246_43386_9617.N1						IS2	V/V	90	43386	246	5.03
ASA_WVS_1PNPDE20100618_021055_000003002090_00246_43386_9632.N1						IS2	V/V	90	43386	246	5.03
ASA_WVS_1PNPDE20100618_022939_000004492090_00247_43387_9636.N1						IS2	V/V	90	43387	247	5.03
ASA_WVS_1PNPDE20100618_031651_000006142090_00247_43387_9635.N1						IS2	V/V	90	43387	247	5.03
ASA_WVS_1PNPDE20100618_032651_000002402090_00247_43387_9661.N1						IS2	V/V	90	43387	247	5.03
ASA_WVS_1PNPDE20100618_035519_000008842090_00247_43387_9659.N1						IS2	V/V	90	43387	247	5.03
ASA_WVS_1PNPDE20100618_041247_00000892090_00248_43388_9657.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_045445_000008392090_00248_43388_9655.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_050830_00000902090_00248_43388_9677.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_050830_00000902090_00248_43388_9678.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_051210_000001052090_00248_43388_9690.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_053046_000015292090_00248_43388_9682.N1						IS2	V/V	90	43388	248	5.03
ASA_WVS_1PNPDE20100618_063744_000003742090_00249_43389_9680.N1						IS2	V/V	90	43389	249	5.03
ASA_WVS_1PNPDK20100618_064957_000002702090_00249_43389_4937.N1						IS2	V/V	90	43389	249	5.03
ASA_WVS_1PNPDK20100618_071122_000019042090_00249_43389_4939.N1						IS2	V/V	90	43389	249	5.03
ASA_WVS_1PNPDK20100618_082701_000004952090_00250_43390_4963.N1						IS2	V/V	90	43390	250	5.03
ASA_WVS_1PNPDK20100618_085158_000020392090_00250_43390_4965.N1						IS2	V/V	90	43390	250	5.03
ASA_WVS_1PNPDK20100618_095815_000006292090_00251_43391_4981.N1						IS2	V/V	90	43391	251	5.03
ASA_WVS_1PNPDK20100618_101026_000003152090_00251_43391_4983.N1						IS2	V/V	90	43391	251	5.03
ASA_WVS_1PNPDK20100618_103234_000018442090_00251_43391_4988.N1						IS2	V/V	90	43391	251	5.03
ASA_WVS_1PNPDK20100618_112601_000004942090_00252_43392_5010.N1						IS2	V/V	90	43392	252	5.03
ASA_WVS_1PNPDK20100618_113627_000011992090_00252_43392_5011.N1						IS2	V/V	90	43392	252	5.03
ASA_WVS_1PNPDK20100618_121301_000003752090_00252_43392_5012.N1						IS2	V/V	90	43392	252	5.03
ASA_WVS_1PNPDK20100618_122358_000001342090_00252_43392_5014.N1						IS2	V/V	90	43392	252	5.03
ASA_WVS_1PNPDK20100618_122910_000007672090_00252_43392_5018.N1						IS2	V/V	90	43392	252	5.03
ASA_WVS_1PNPDK20100618_130358_000008692090_00253_43393_5039.N1						IS2	V/V	90	43393	253	5.03
ASA_WVS_1PNPDK20100618_135337_000004352090_00253_43393_5042.N1						IS2	V/V	90	43393	253	5.03
ASA_WVS_1PNPDK20100618_144952_000002692090_00254_43394_5057.N1						IS2	V/V	90	43394	254	5.03
ASA_WVS_1PNPDK20100618_150339_000008392090_00254_43394_5059.N1						IS2	V/V	90	43394	254	5.03
ASA_WVS_1PNPDK20100618_153412_000012892090_00254_43394_5061.N1						IS2	V/V	90	43394	254	5.03
ASA_WVS_1PNPDK20100618_163726_000012442090_00255_43395_5079.N1						IS2	V/V	90	43395	255	5.03
ASA_WVS_1PNPDK20100618_171448_000013642090_00255_43395_5082.N1						IS2	V/V	90	43395	255	5.03
ASA_WVS_1PNPDK20100618_181320_000015292090_00256_43396_5096.N1						IS2	V/V	90	43396	256	5.03
ASA_WVS_1PNPDK20100618_185851_000004052090_00256_43396_5097.N1						IS2	V/V	90	43396	256	5.03
ASA_WVS_1PNPDK20100618_190914_000001642090_00256_43396_5100.N1						IS2	V/V	90	43396	256	5.03
ASA_WVS_1PNPDK20100618_194634_000019642090_00257_43397_5131.N1						IS2	V/V	90	43397	257	5.03
ASA_WVS_1PNPDK20100618_203600_000002552090_00257_43397_5119.N1						IS2	V/V	90	43397	257	5.03
ASA_WVS_1PNPDE20100618_212727_000019492090_00258_43398_9809.N1						IS2	V/V	90	43398	258	5.03
ASA_WVS_1PNPDE20100618_221705_000002692090_00258_43398_9810.N1						IS2	V/V	90	43398	258	5.03
ASA_WVS_1PNPDE20100618_222050_000008092090_00258_43398_9821.N1						IS2	V/V	90	43398	258	5.03
ASA_WVS_1PNPDE20100618_221705_000002692090_00258_43398_9810.N1						IS1	V/V	90	43398	258	5.03
ASA_WVS_1PNPDE20100618_224232_000004492090_00259_43399_9822.N1						IS2	V/V	90	43399	259	5.03
ASA_WVS_1PNPDE20100618_230809_000012742090_00259_43399_9826.N1						IS2	V/V	90	43399	259	5.03
ASA_WVS_1PNPDE20100618_233528_000003002090_00259_43399_9825.N1						IS2	V/V	90	43399	259	5.03
ASA_WVS_1PNPDE20100618_235754_000003602090_00259_43399_9828.N1						IS2	V/V	90	43399	259	5.03

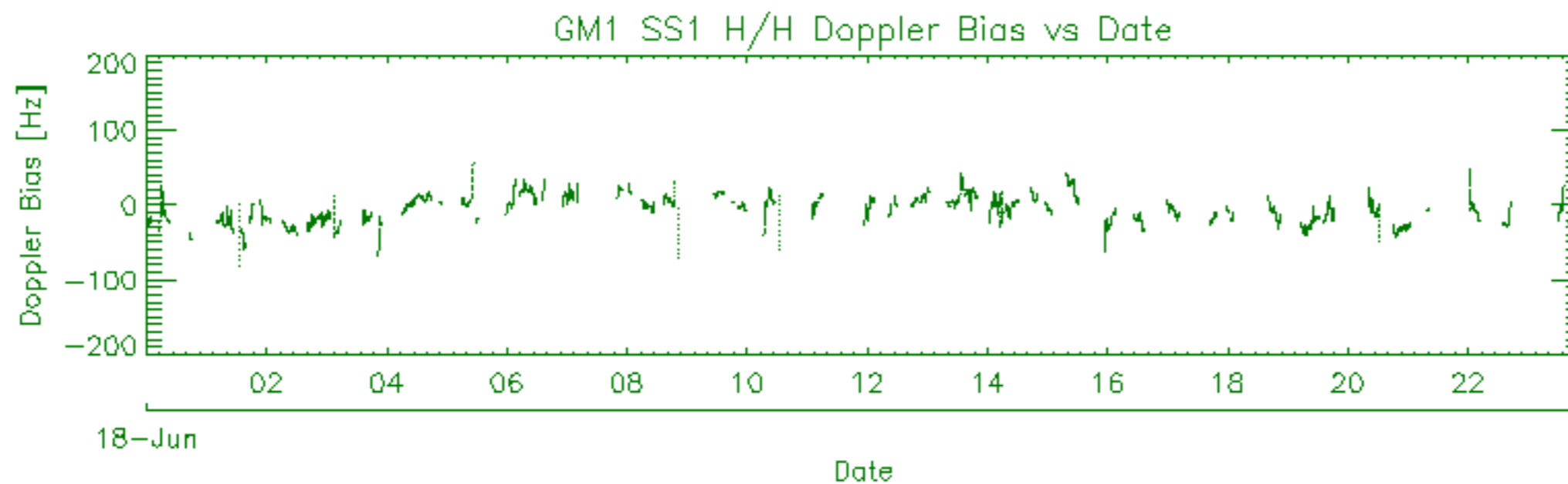
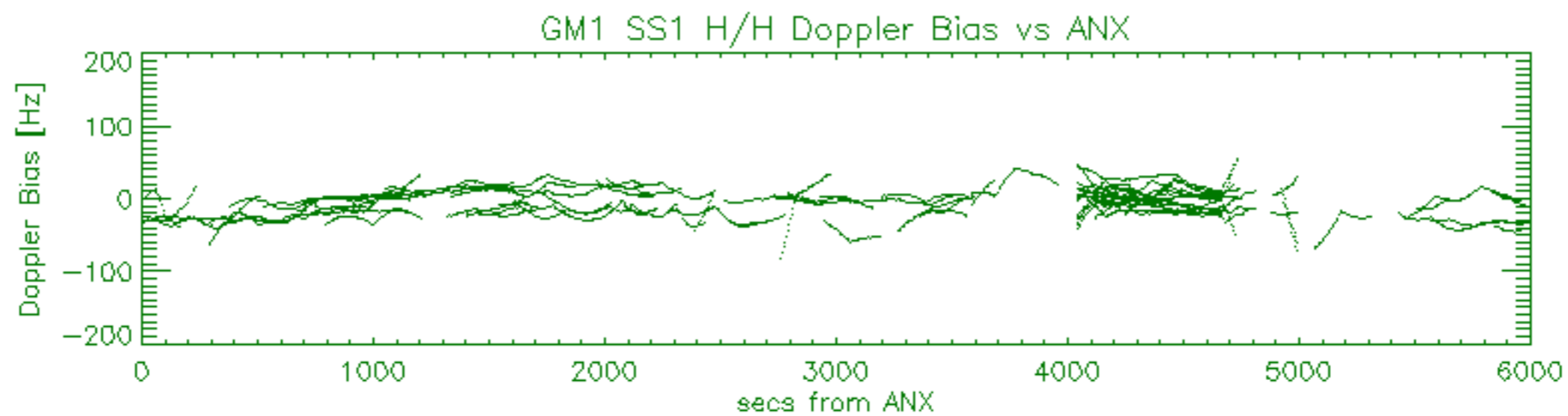
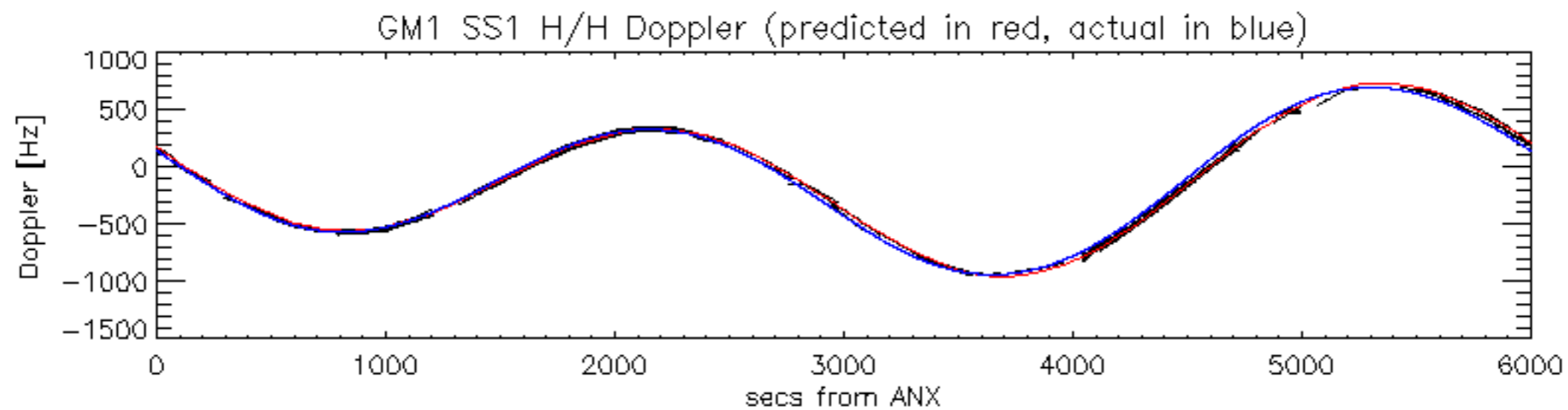


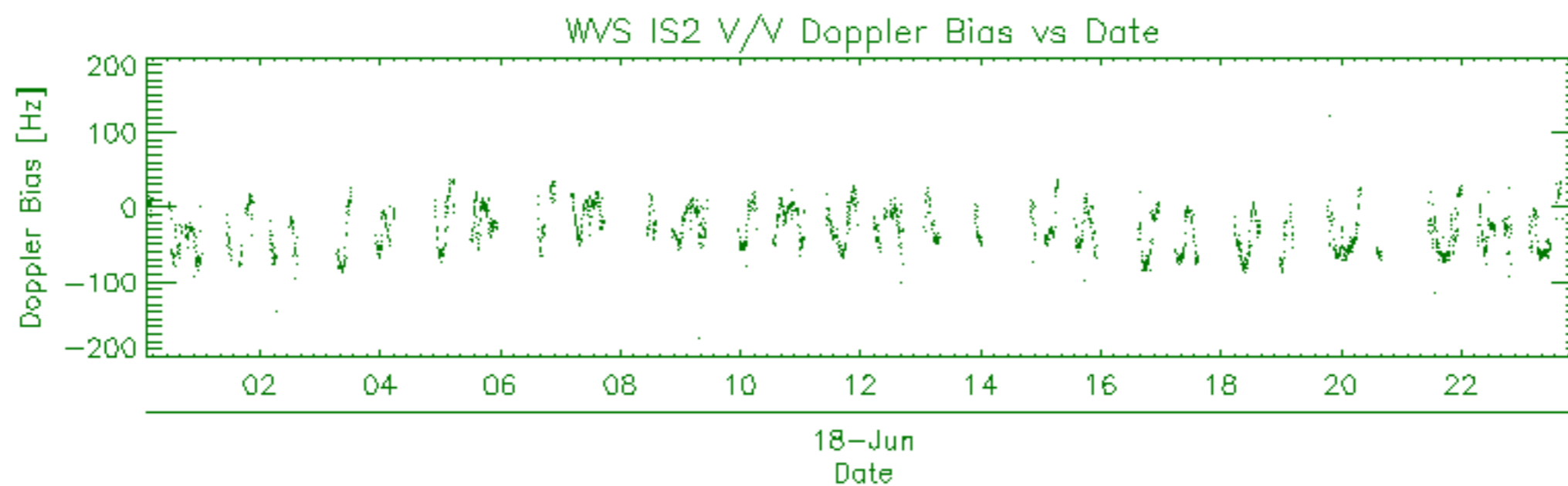
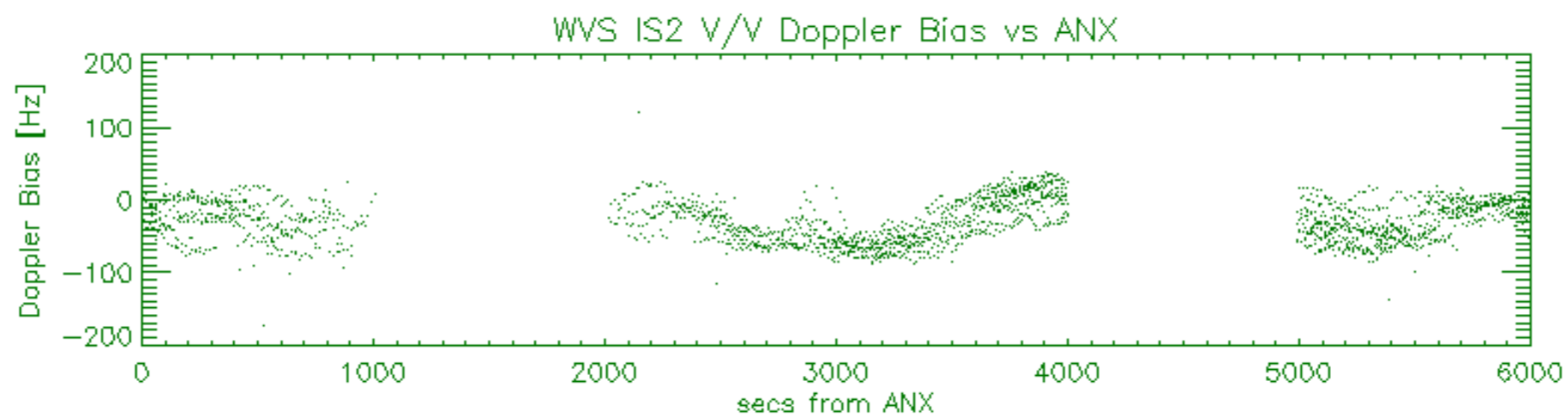
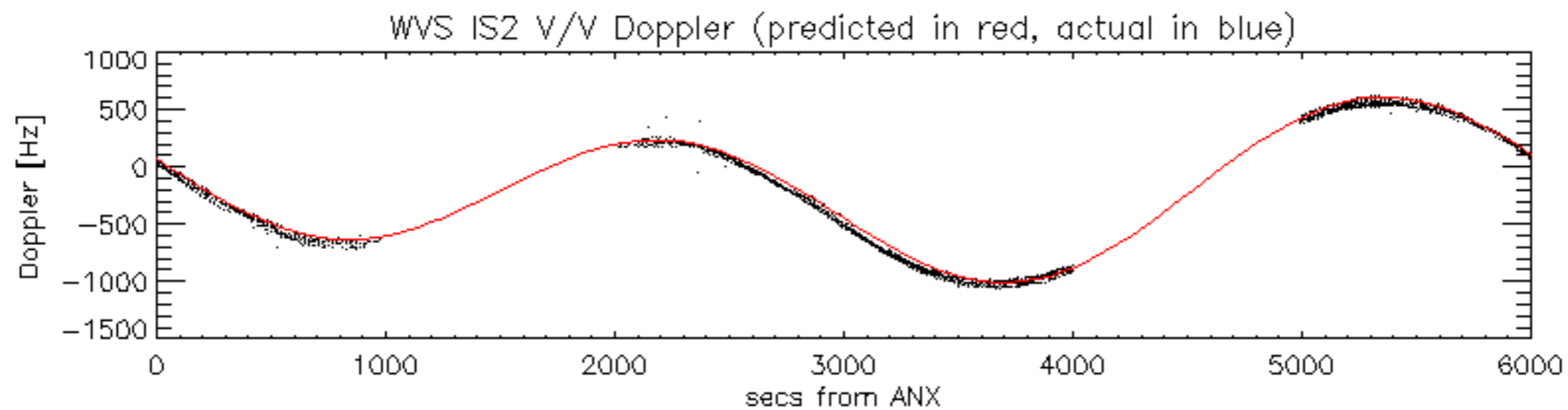


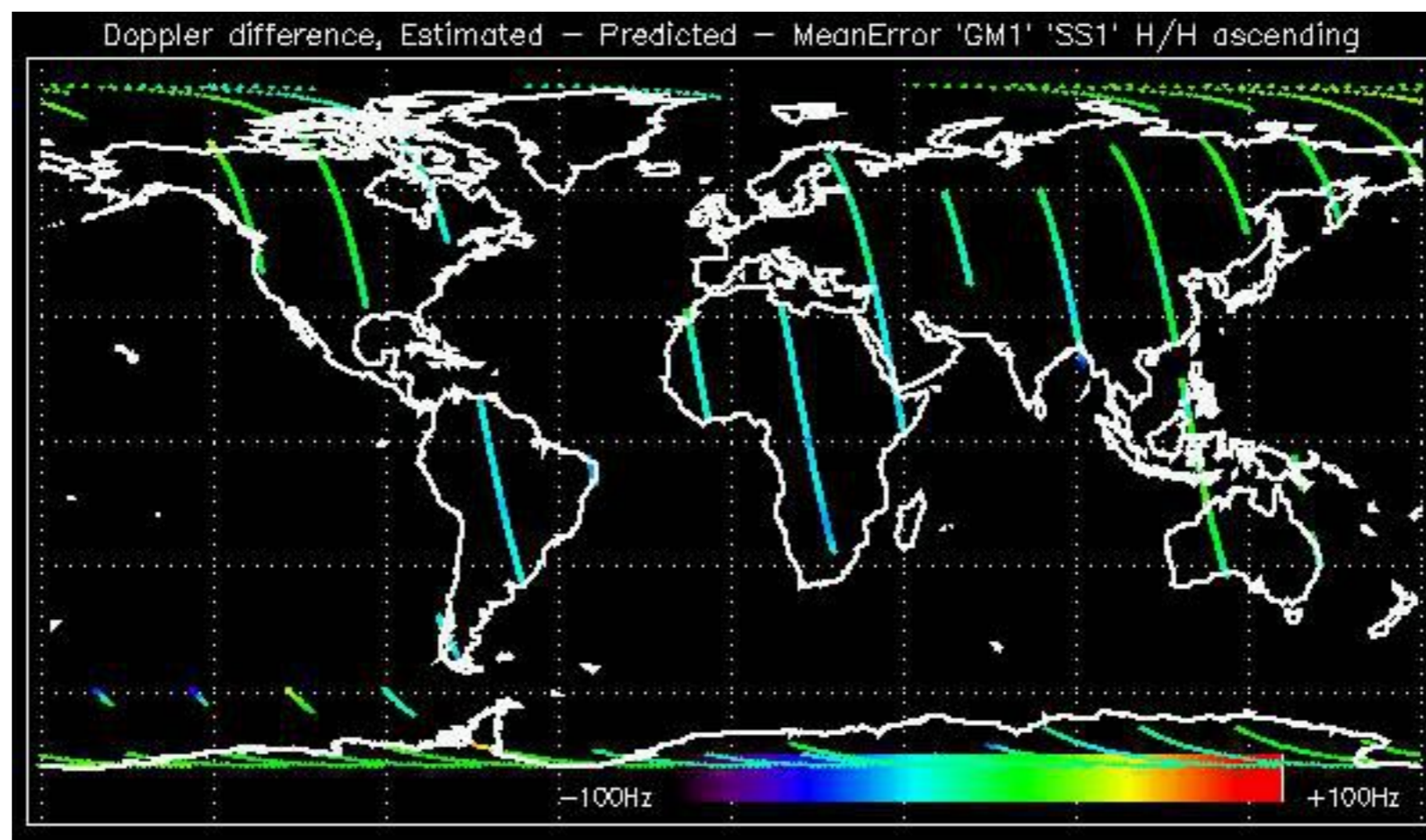


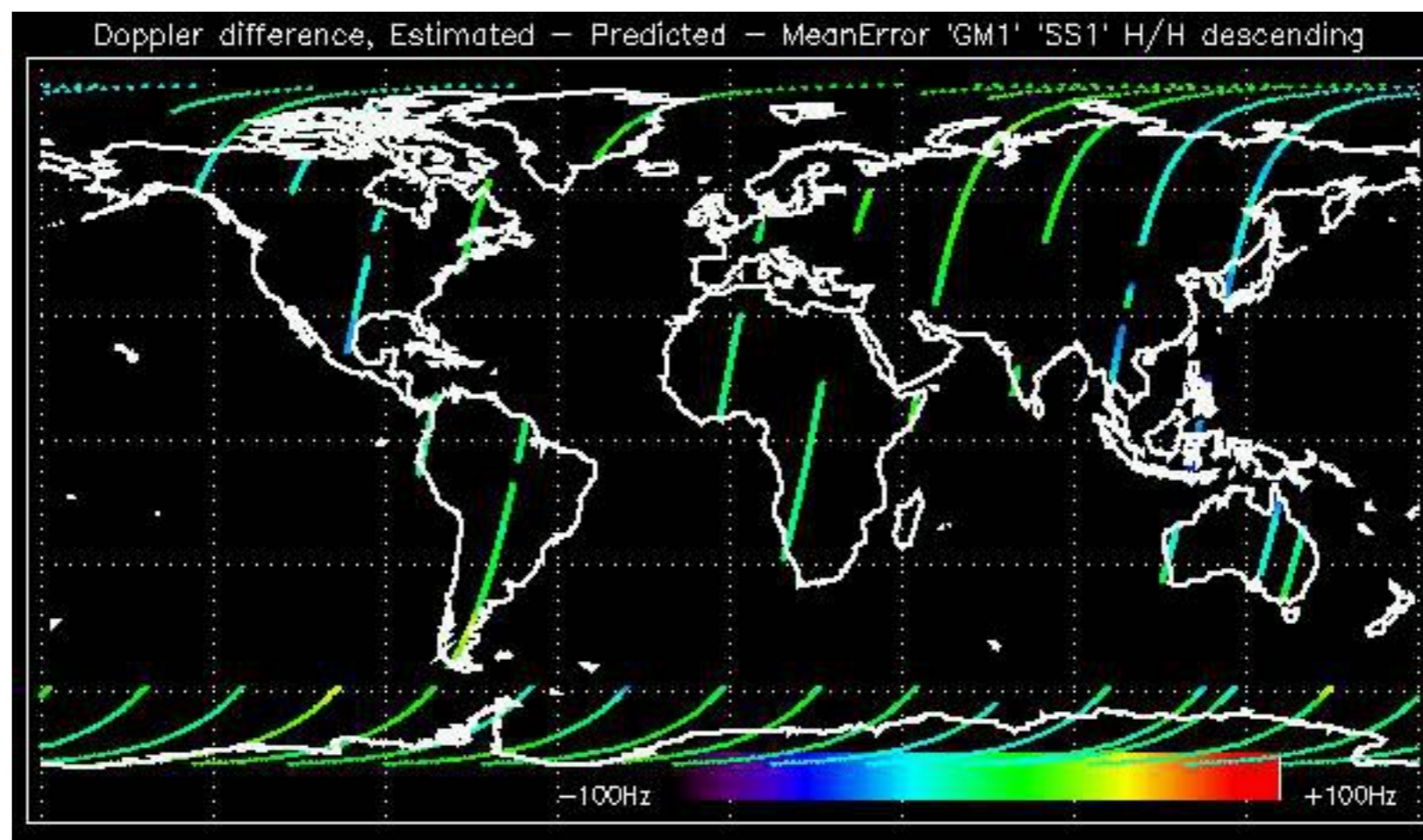




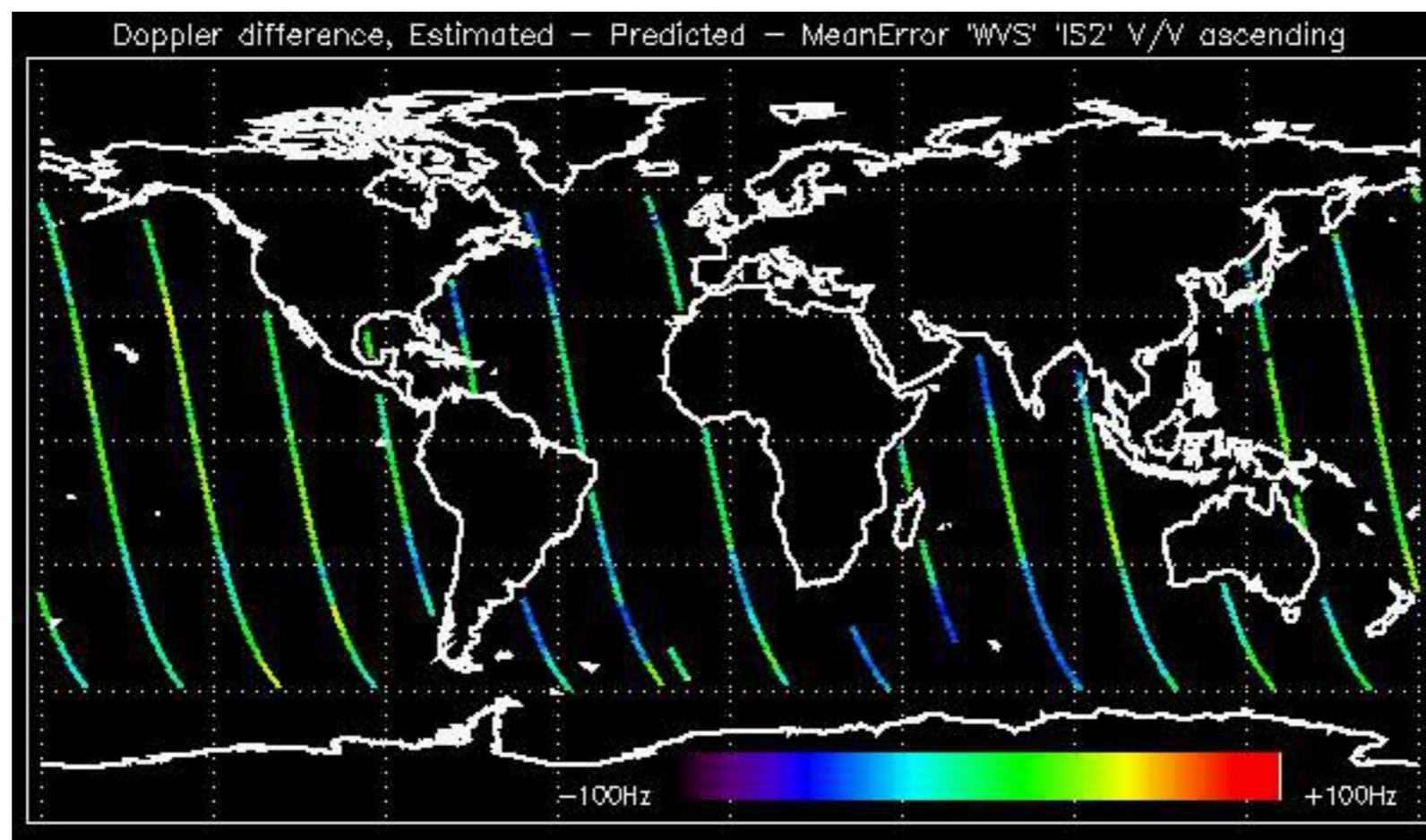


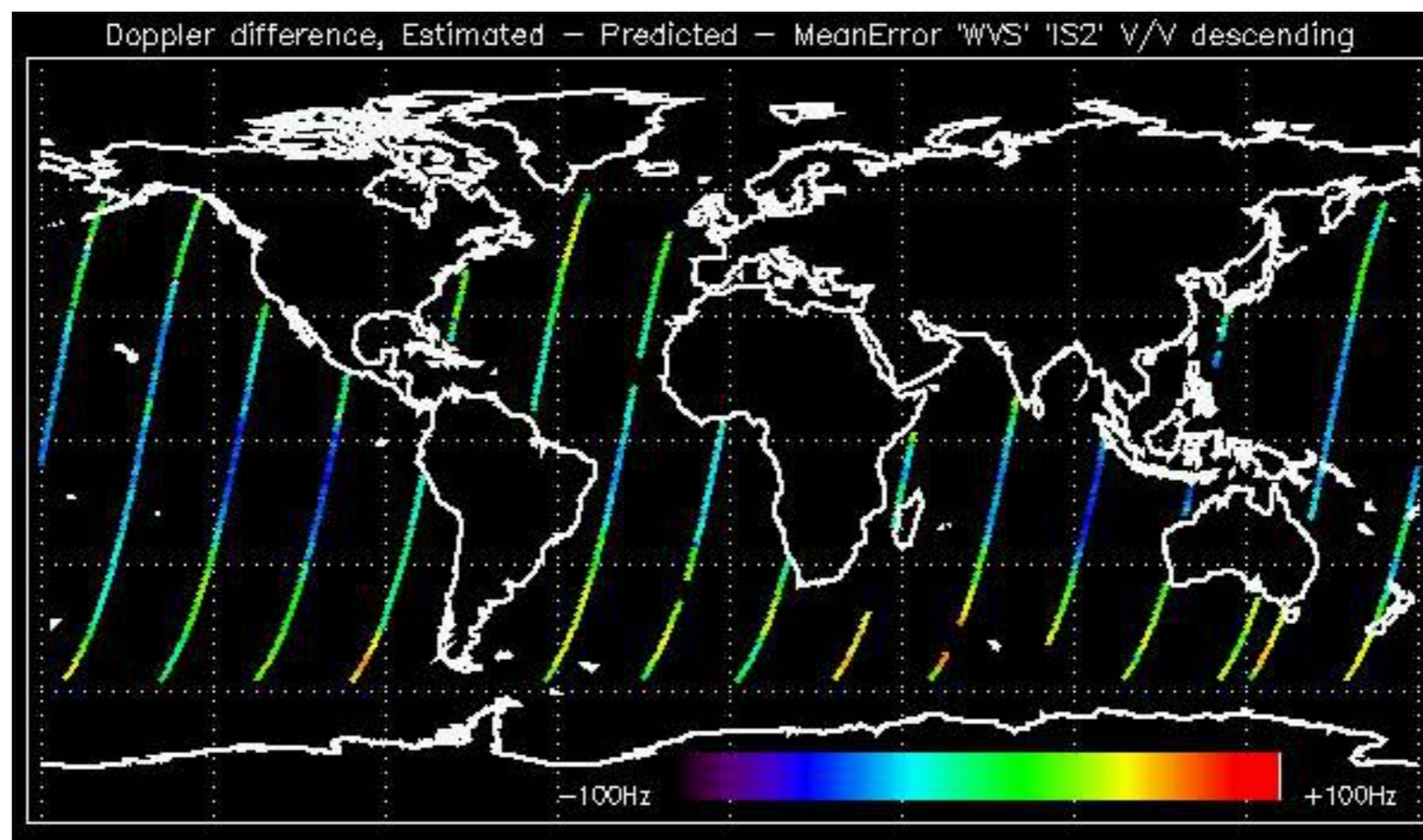


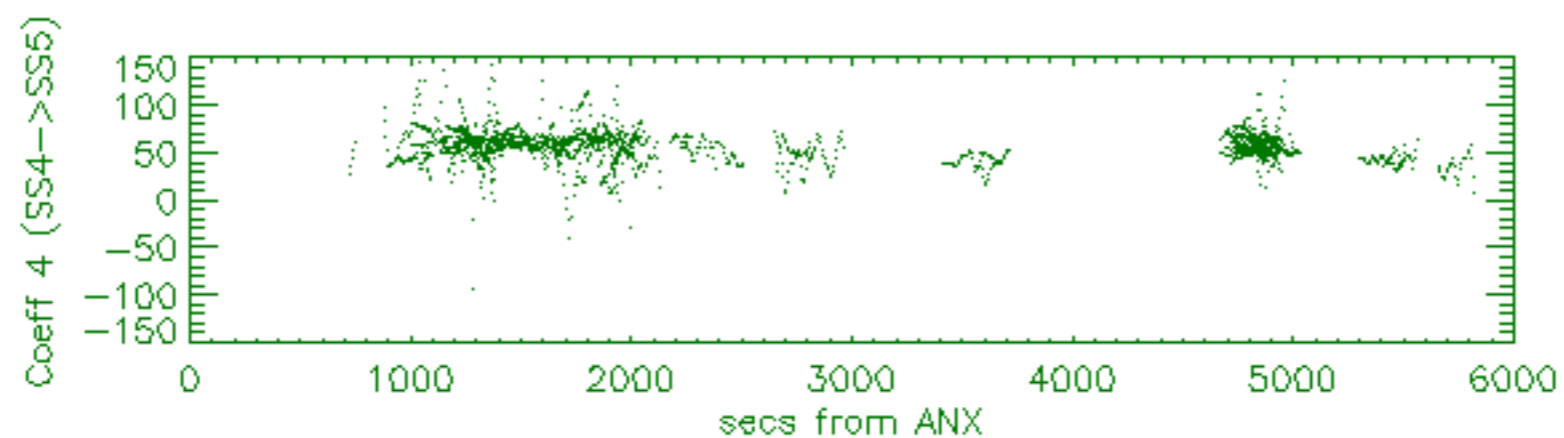
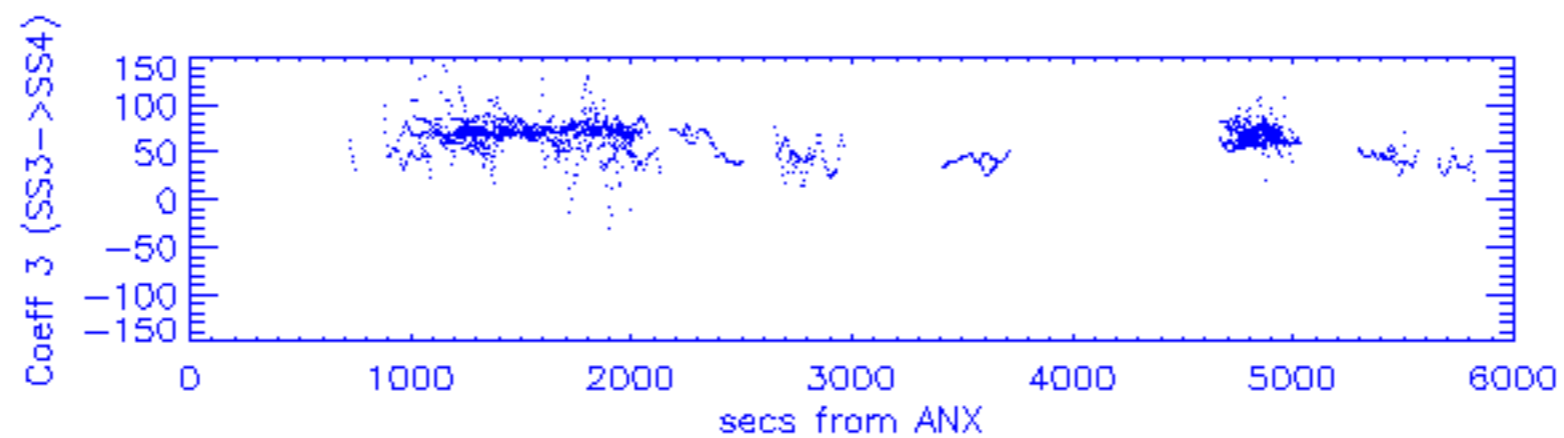
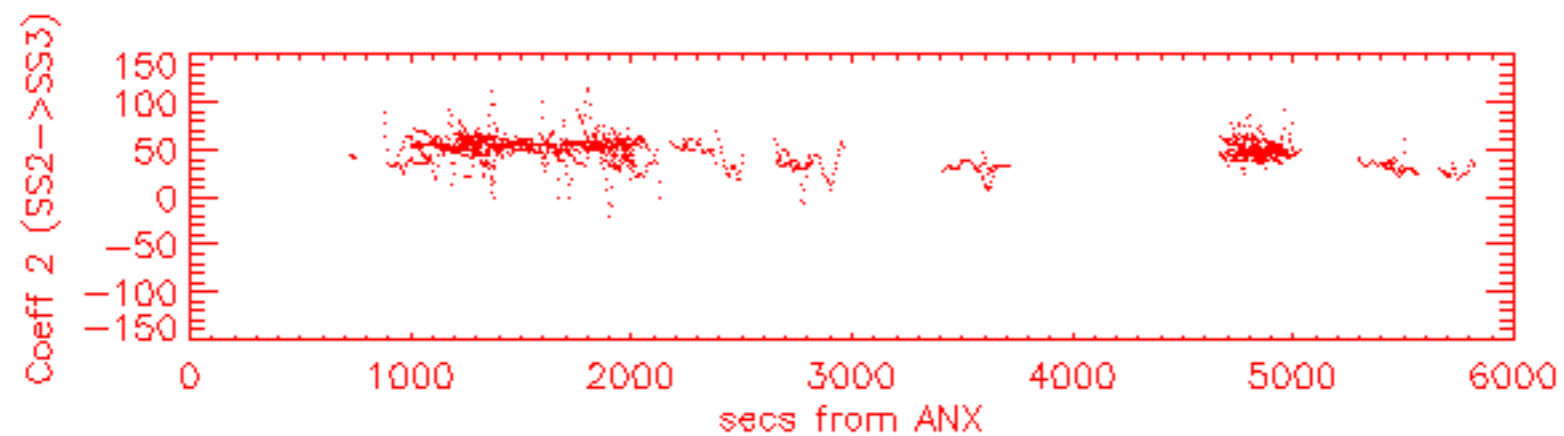
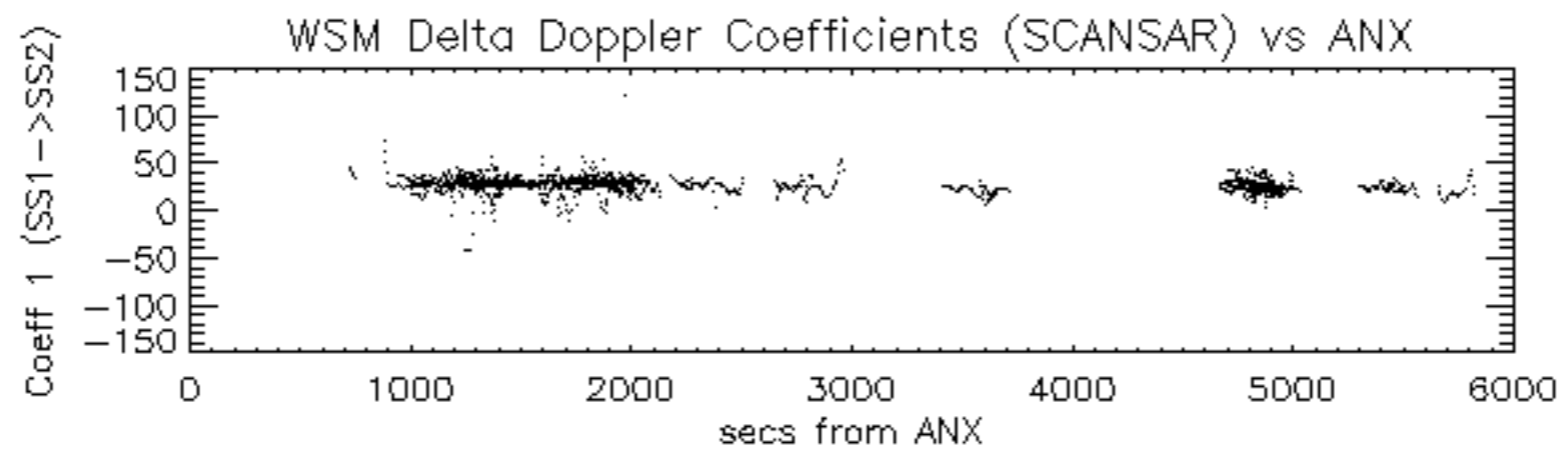


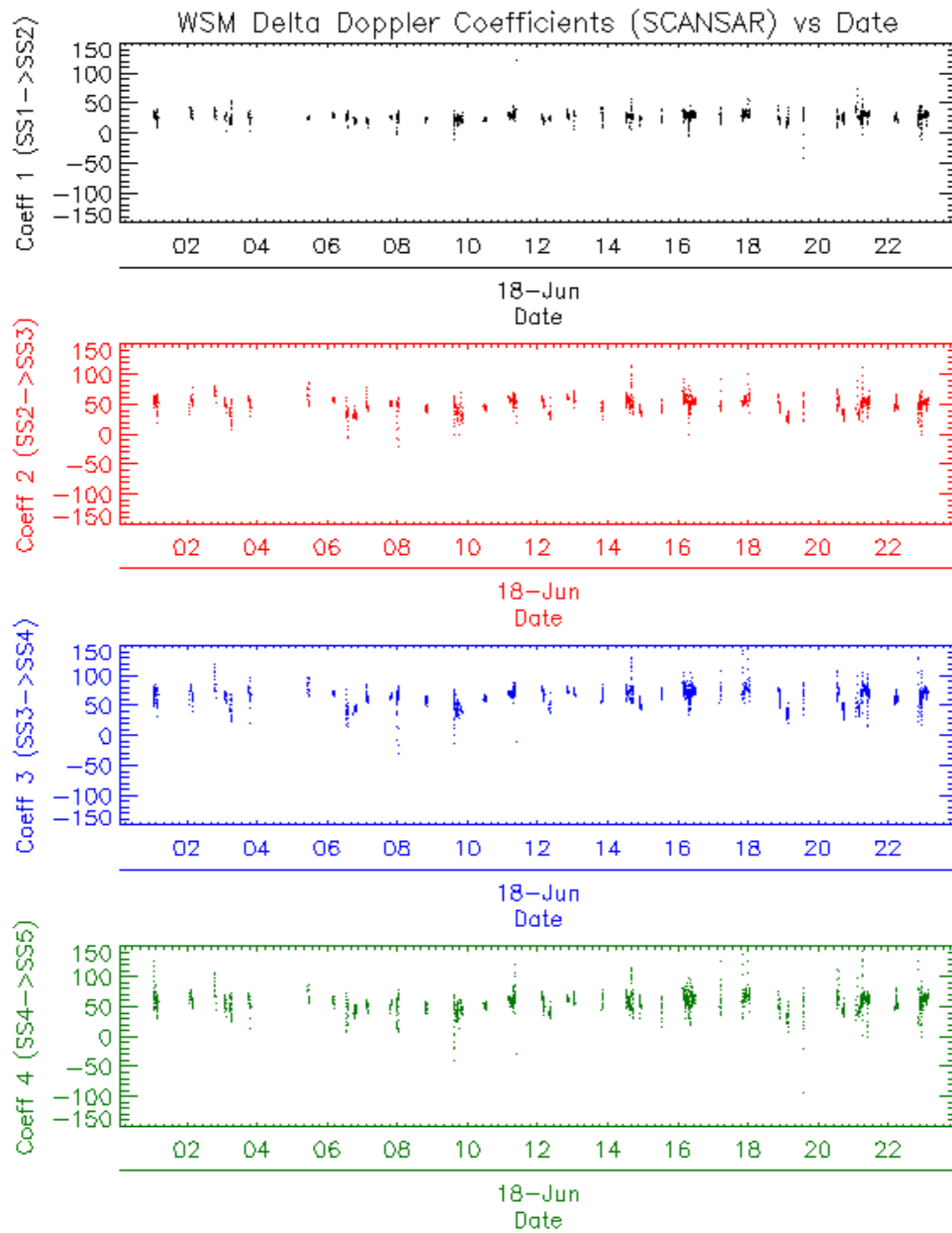




















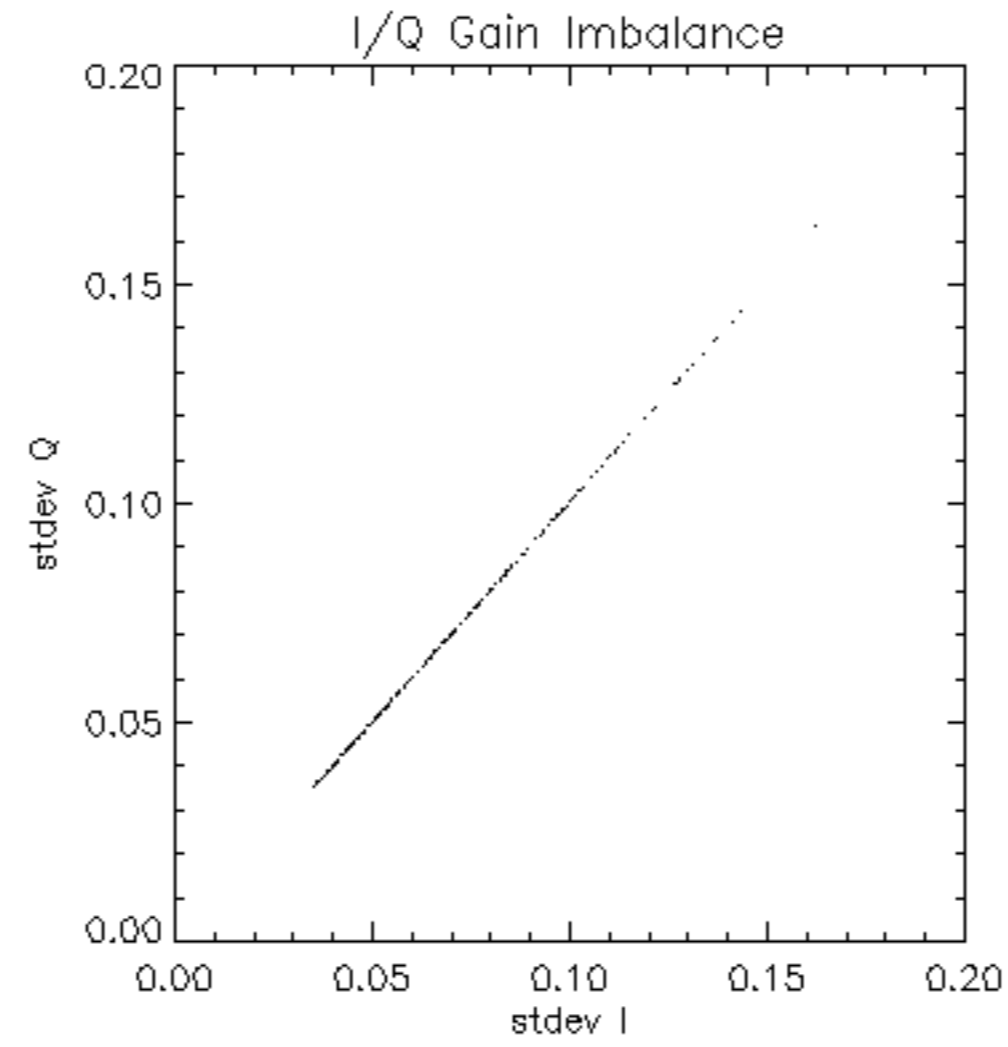


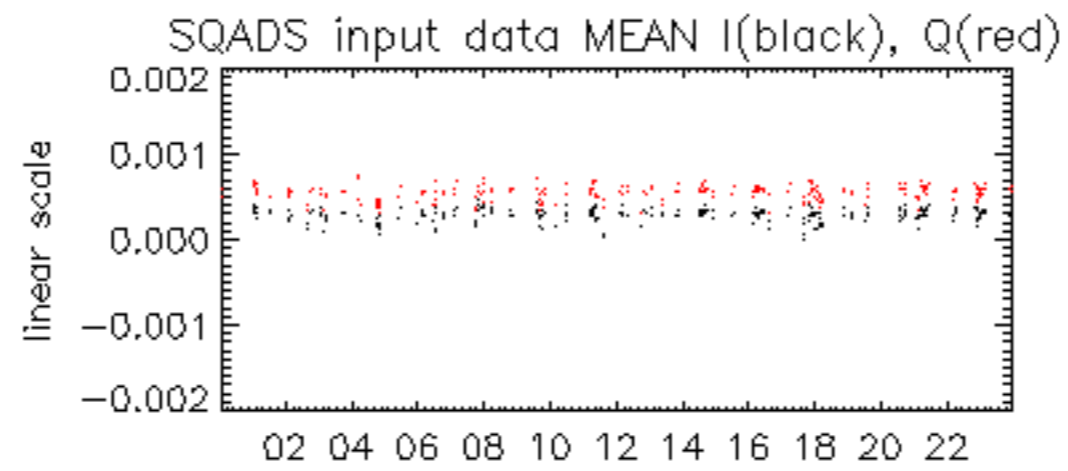




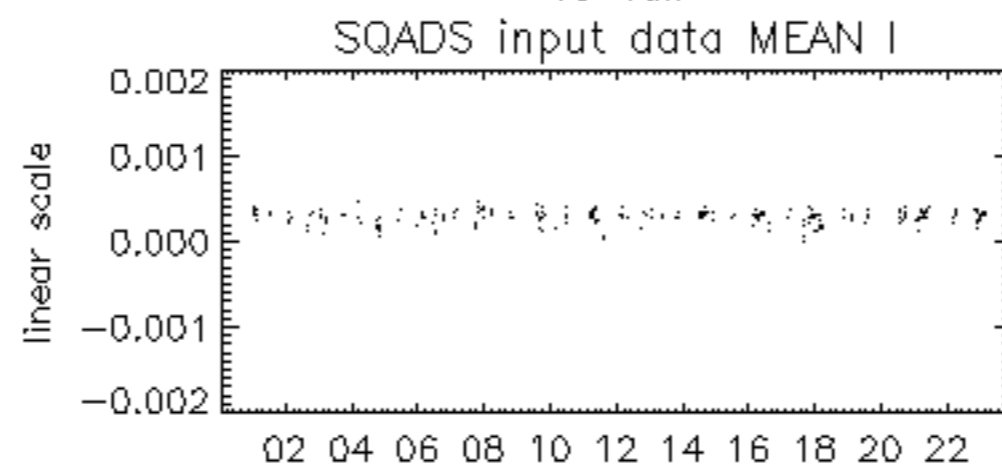




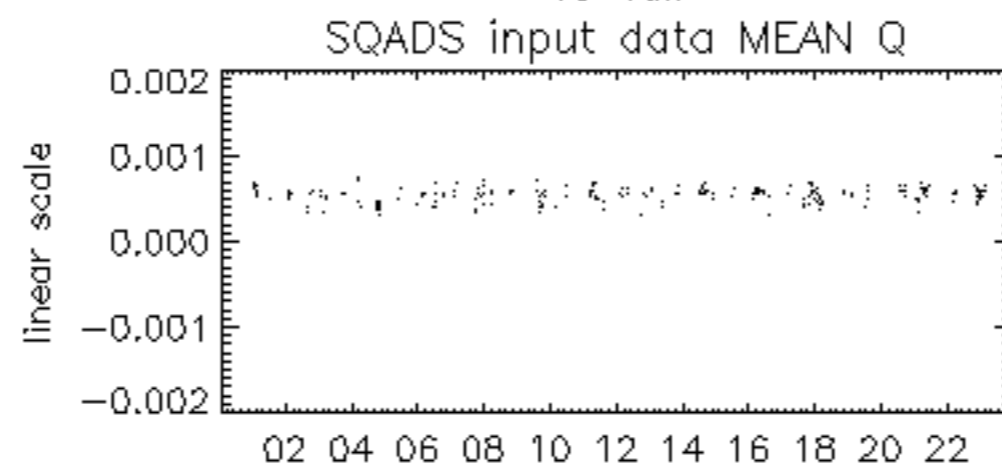




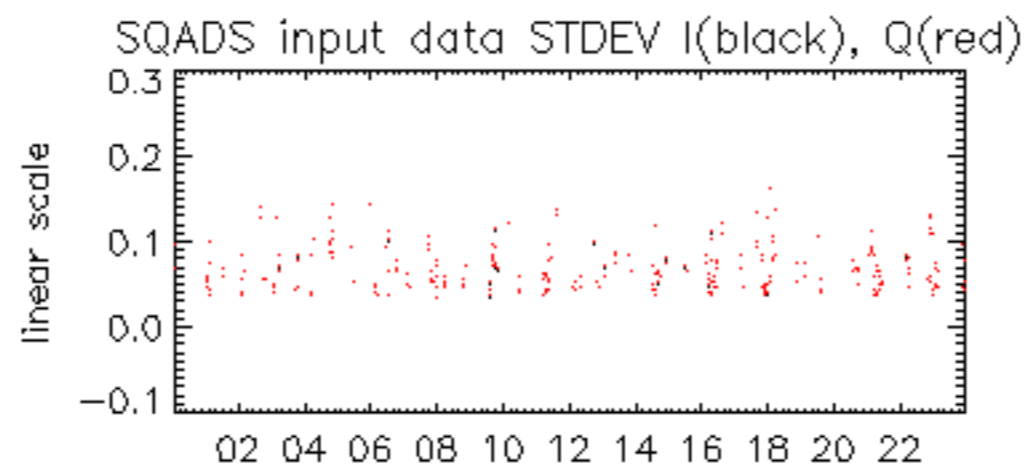
18-Jun



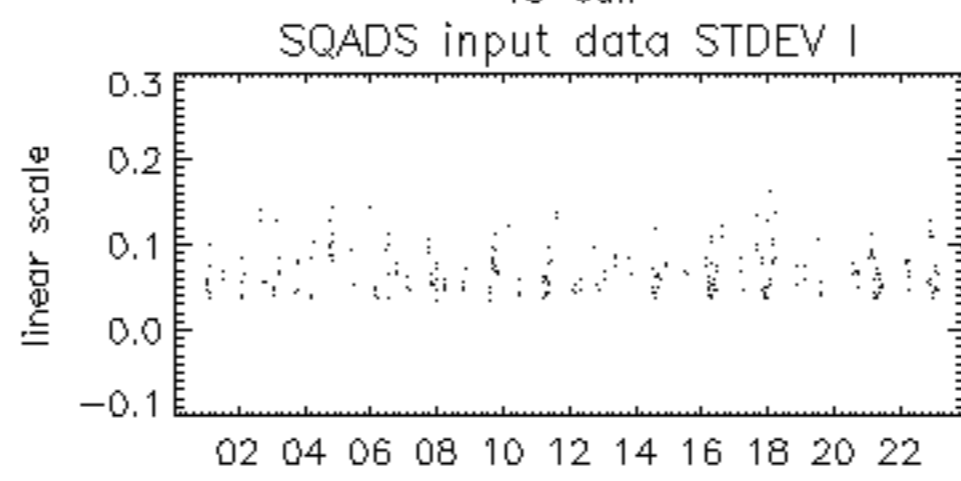
18-Jun



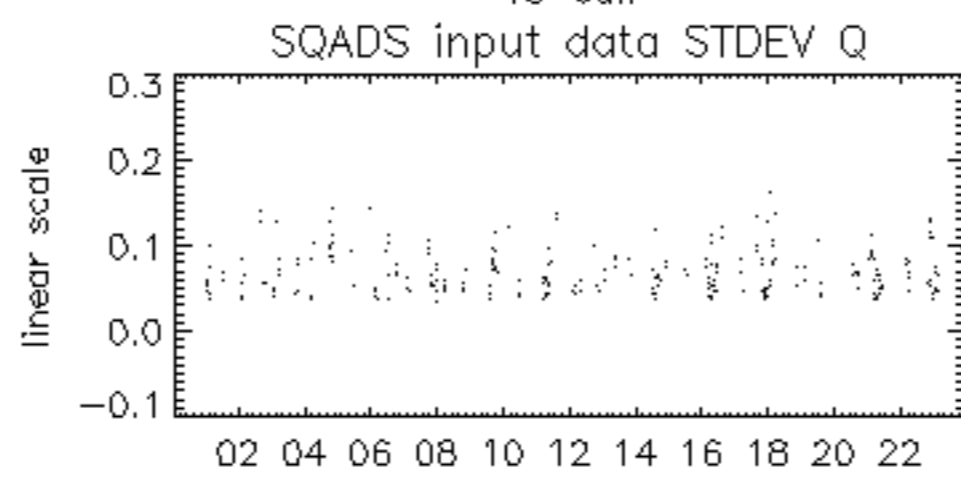
18-Jun



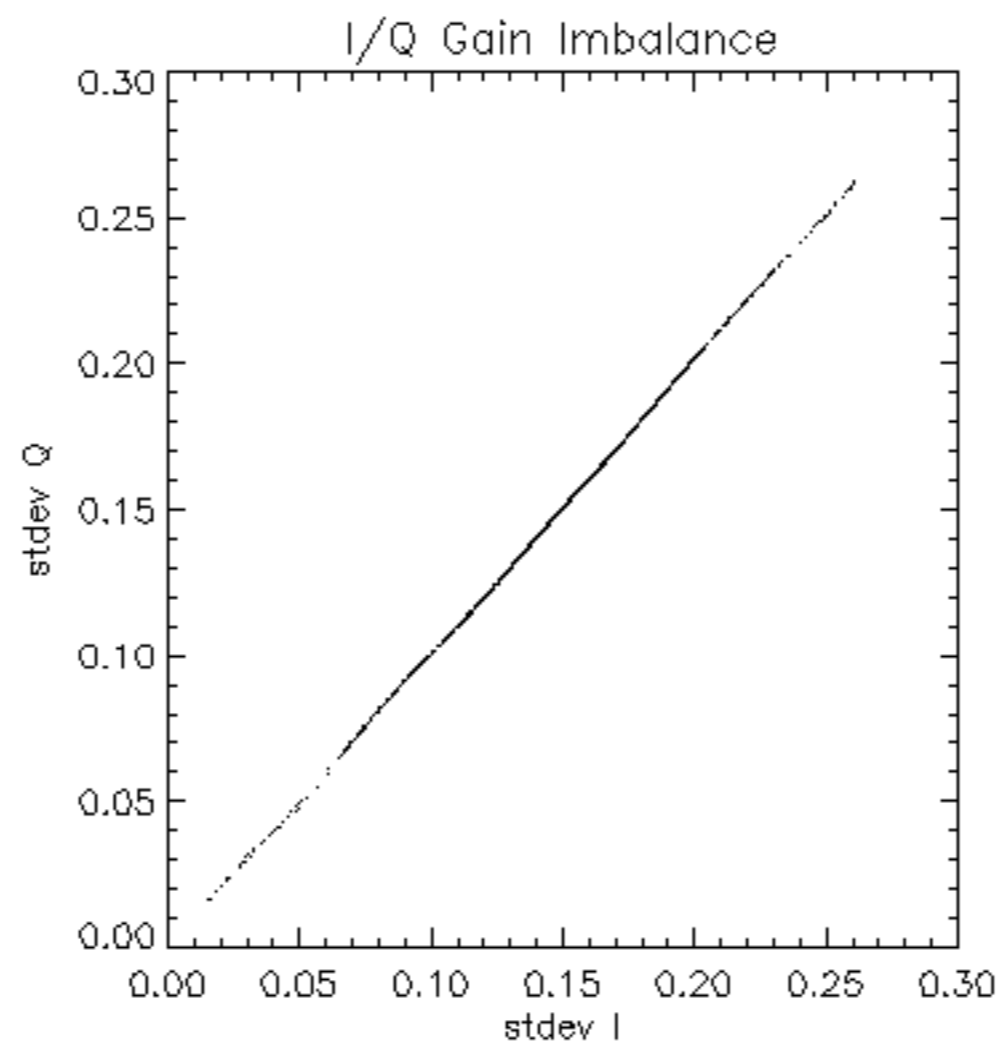
18-Jun



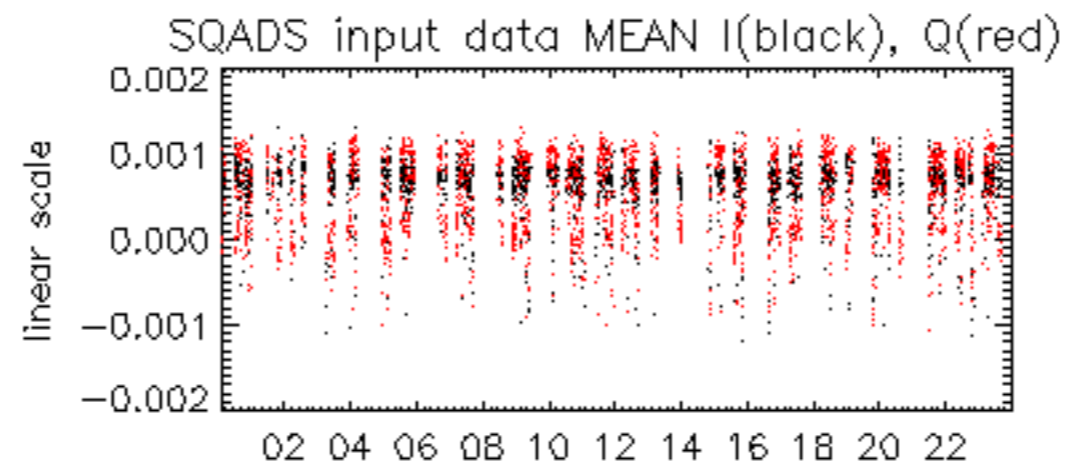
18-Jun



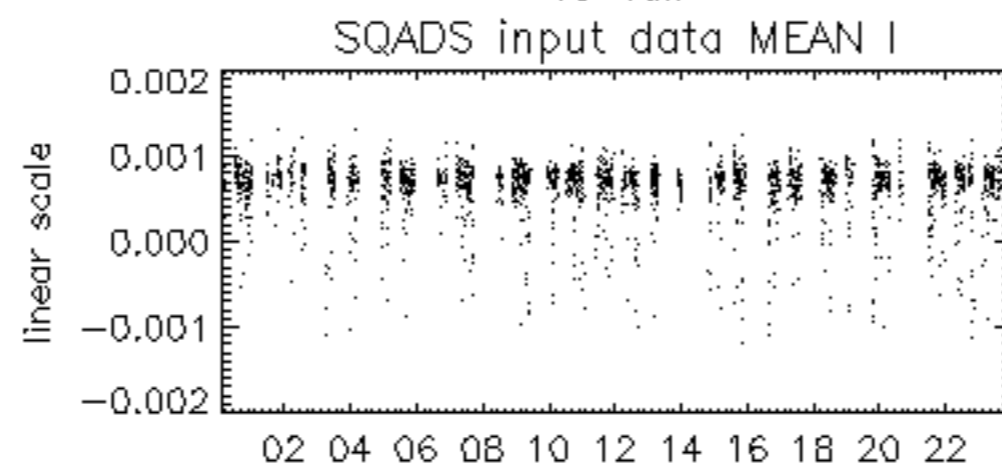
18-Jun



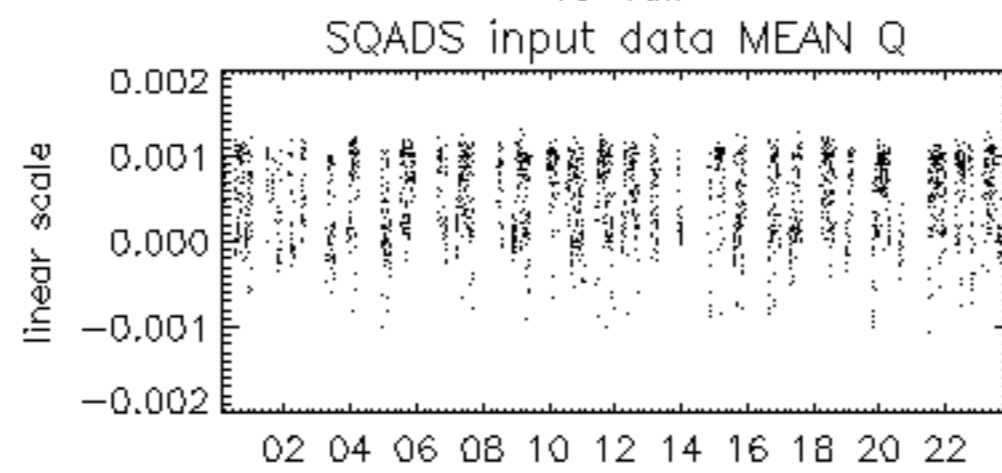




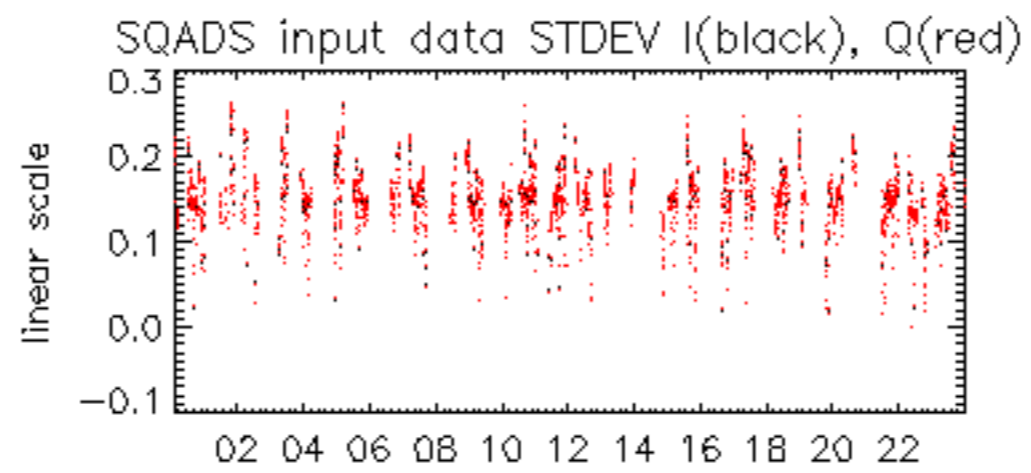
18-Jun



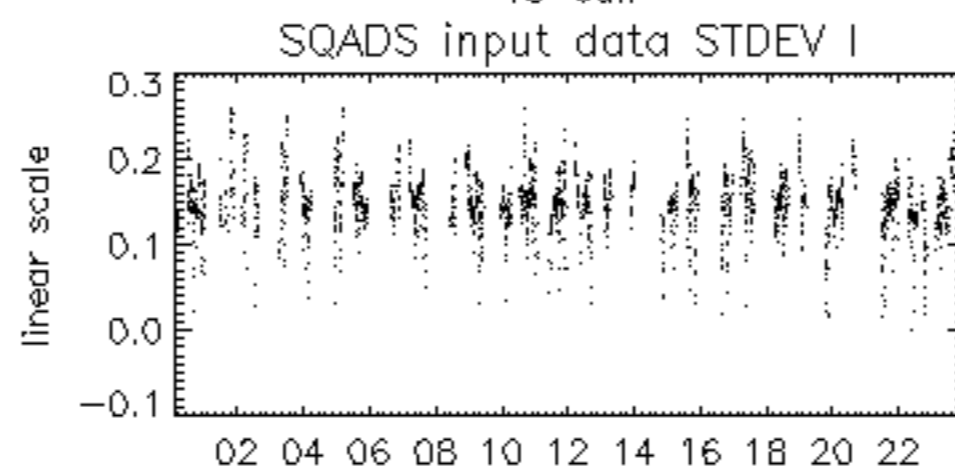
18-Jun



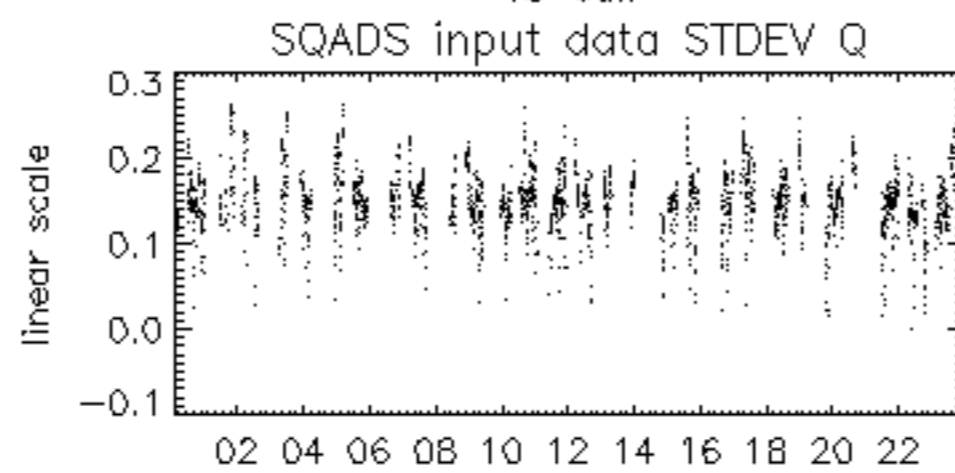
18-Jun



18-Jun



18-Jun



18-Jun





















