



Analysis from 20-JUN-2010 00:00:00 to 20-JUN-2010 23:59:59. Page generated on 21-JUN-2010 13:49:34.
View log file: ASAR_Daily_Report_20100621_1348.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	IS2	V/V	25	PDE	WS	H/H	40	PDE	IS3	H/H	1	PDE	IS1	V/V	1	PDE	WS	H/H	26	PDE	2010-06-20 02:30:50	V	320
PDK	IS2	V/V	25	PDK	WS	H/H	47	PDE	IS4	V/H	4	PDE	IS2	H/H	14	PDE	WS	V/V	3				
												PDE	IS2	V/V	11	PDK	WS	H/H	13				
												PDE	IS7	H/H	2	PDK	WS	V/V	3				
												PDE	IS7	V/V	1								
												PDK	IS2	H/H	3								
												PDK	IS6	H/H	1								

1.2 - Lists of products used

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[\[TXT\]](#) [\[XLS\]](#) List_WVS_products_used
[\[TXT\]](#) [\[XLS\]](#) List_GM1_products_used
[\[TXT\]](#) [\[XLS\]](#) List_APM_products_used
[\[TXT\]](#) [\[XLS\]](#) List_IMM_products_used
[\[TXT\]](#) [\[XLS\]](#) List_WSM_products_used
[\[TXT\]](#) [\[XLS\]](#) List_MS_products_used

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

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No IECF ADFs list available

2.2 - Products with wrong ADFs

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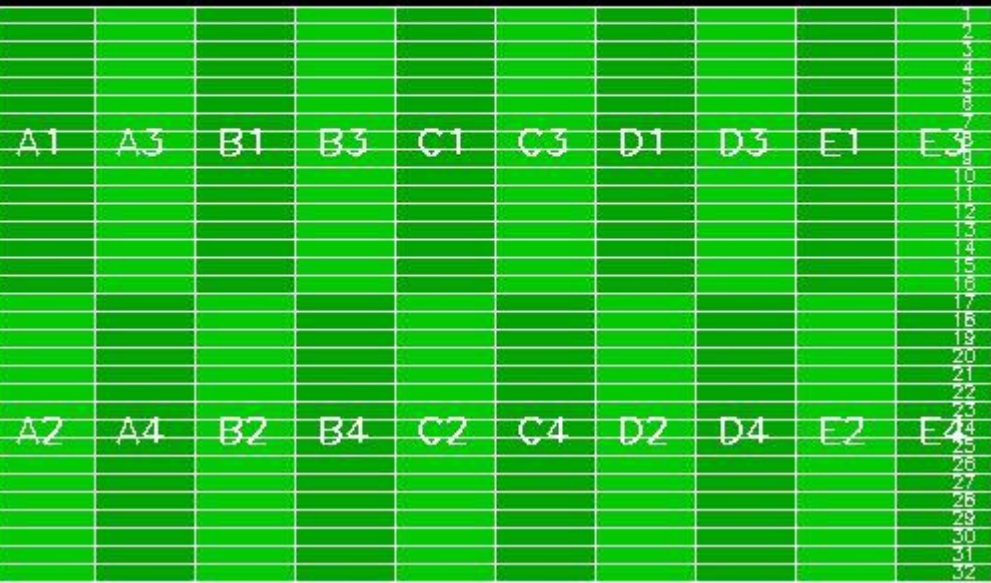
3 - MODULE STEPPING PRODUCTS ANALYSIS

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

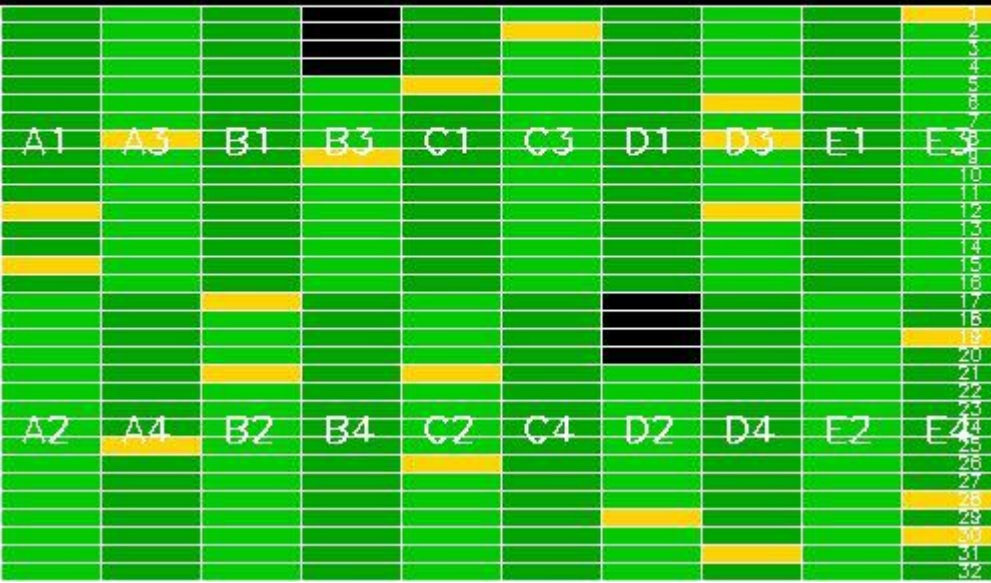
Reference: 2001-02-09 14:08:23 V RxGain
 Test : 2010-06-20 02:30:50 V



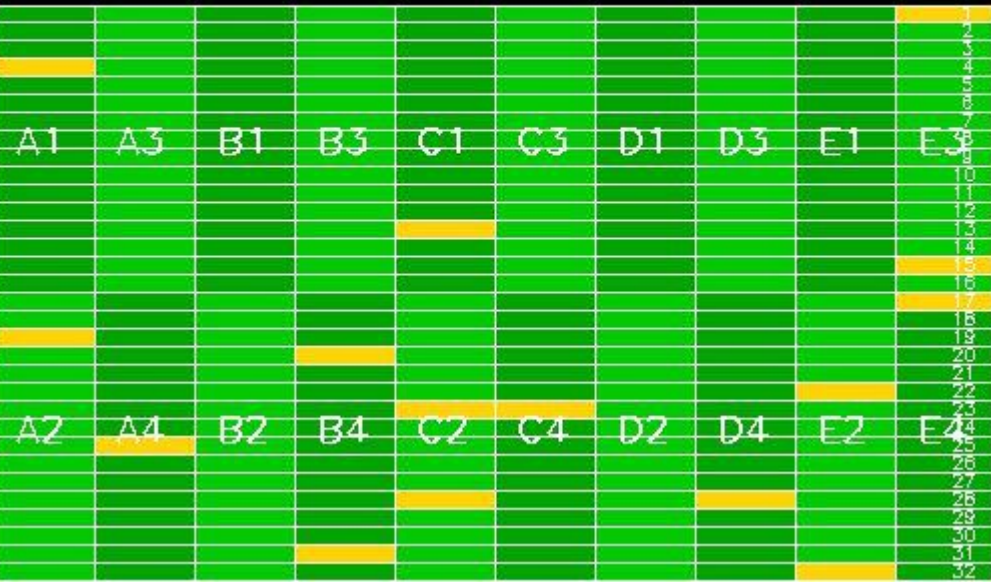
Reference: 2010-06-18 03:34:04 V RxGain
 Test : 2010-06-20 02:30:50 V

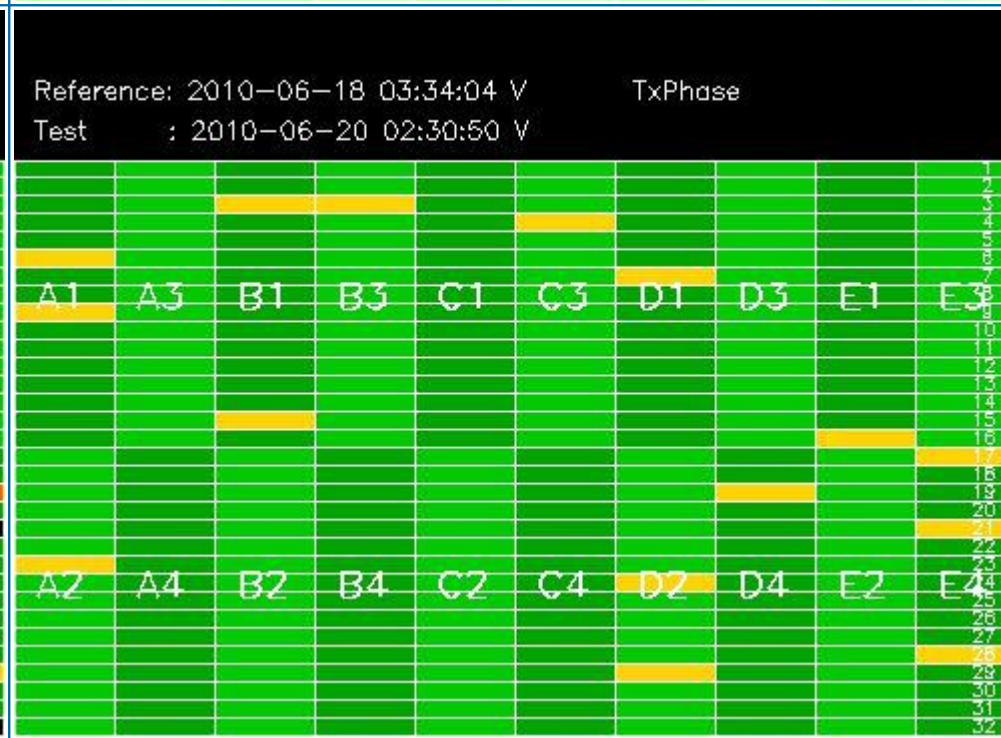
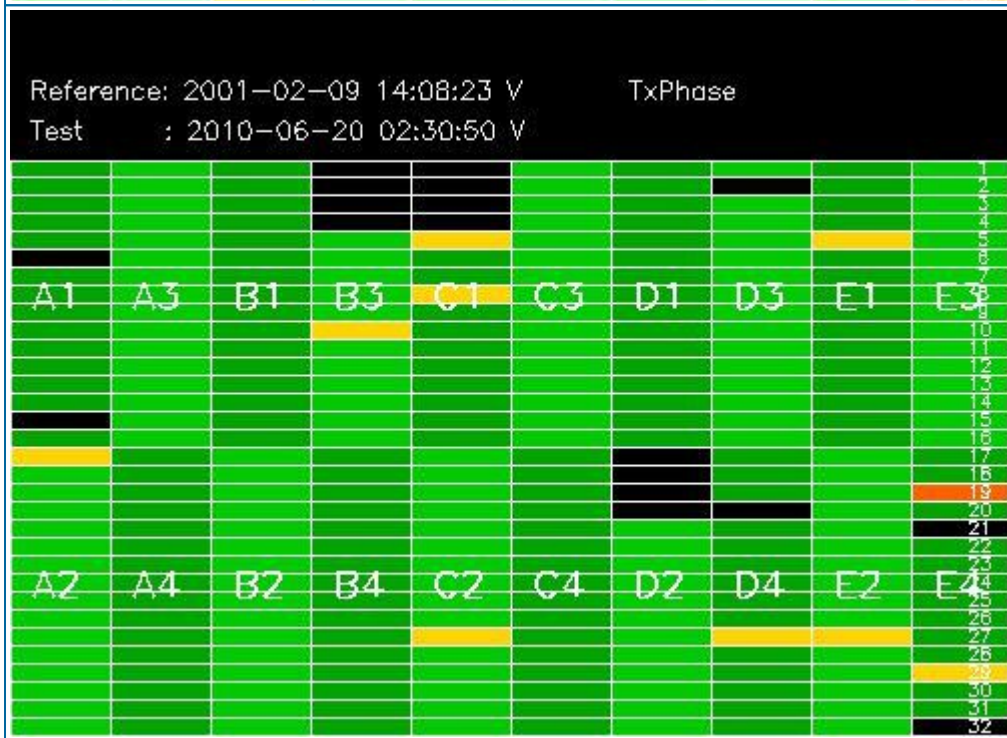
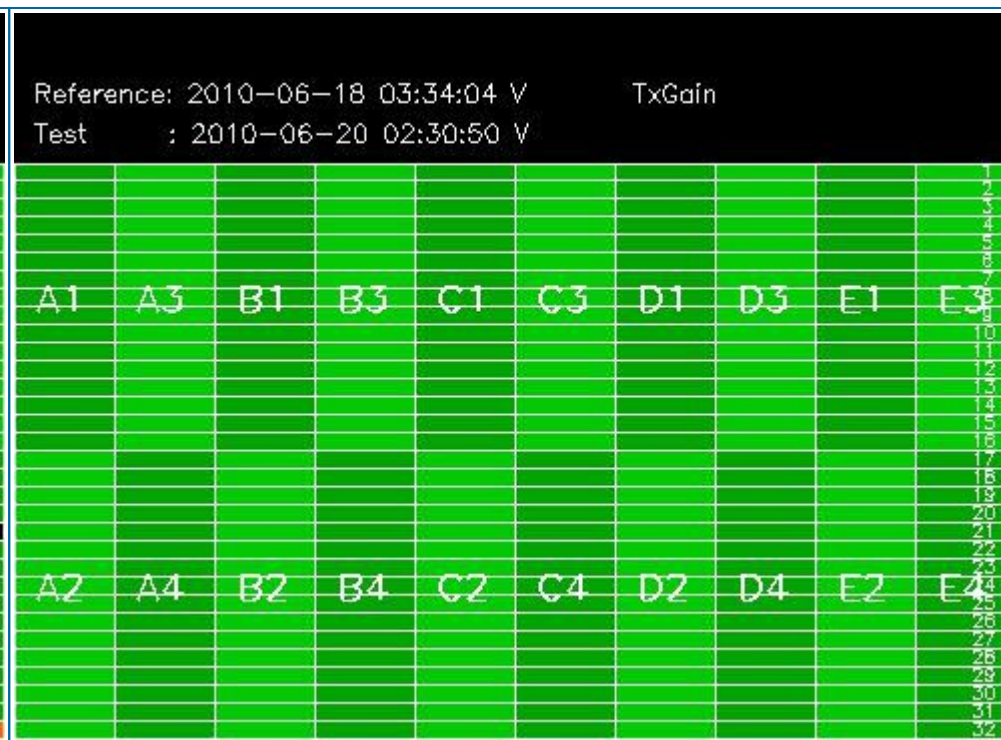
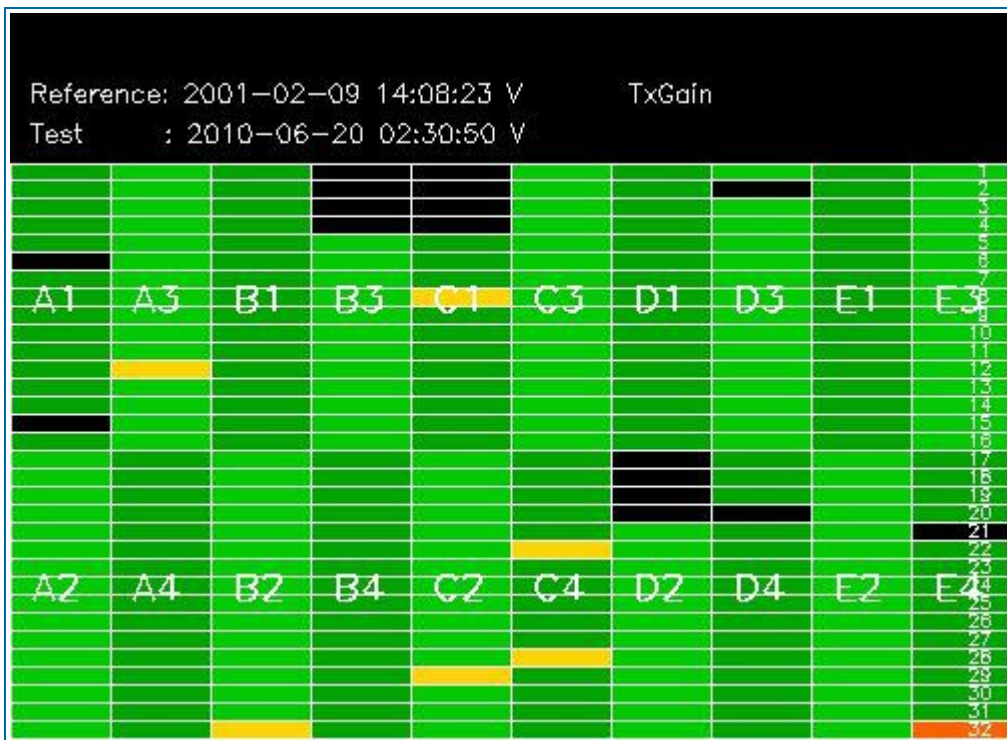


Reference: 2001-02-09 14:08:23 V RxPhase
 Test : 2010-06-20 02:30:50 V



Reference: 2010-06-18 03:34:04 V RxPhase
 Test : 2010-06-20 02:30:50 V



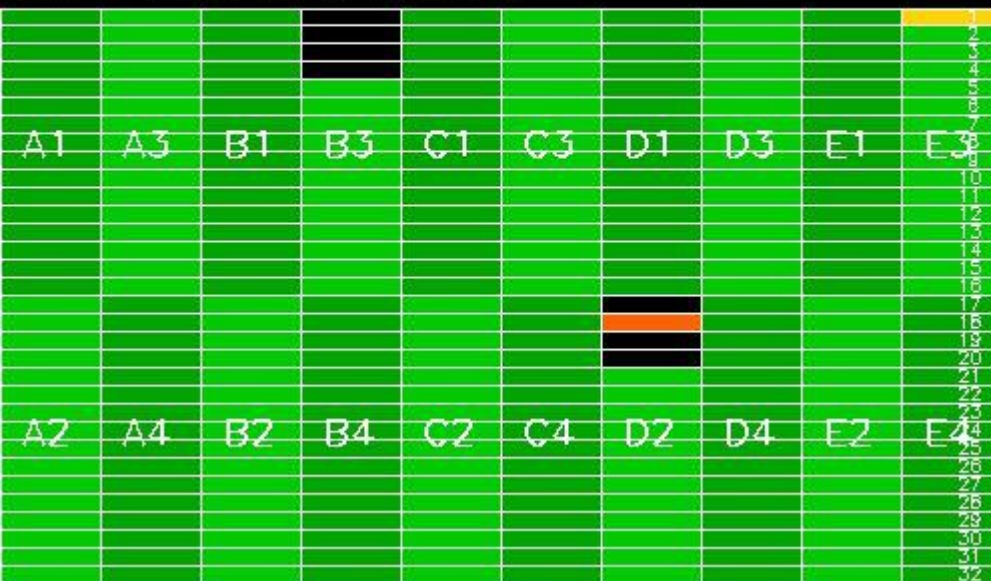


3.2 - H/H polarisation

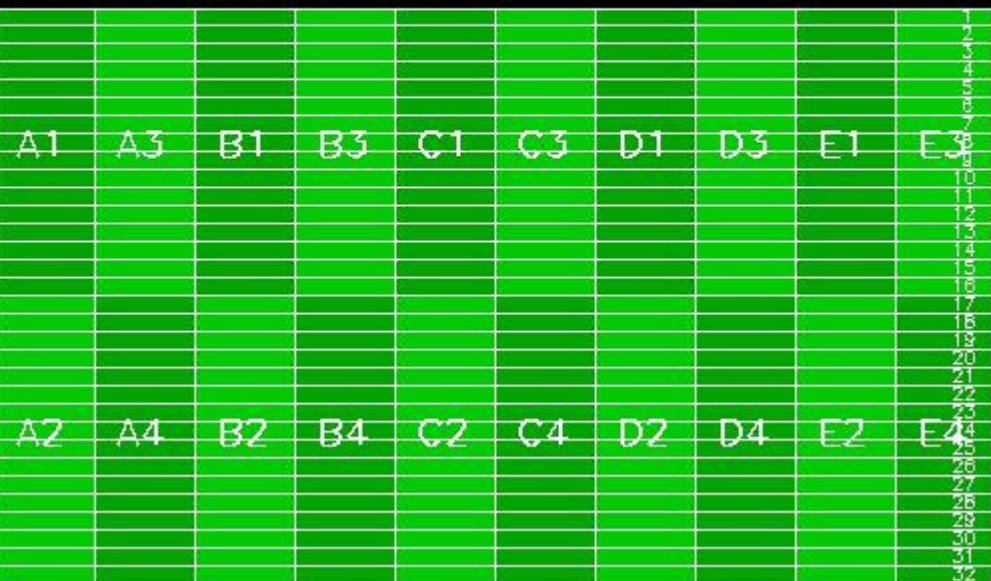
[[BACK TO MENU](#)]

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

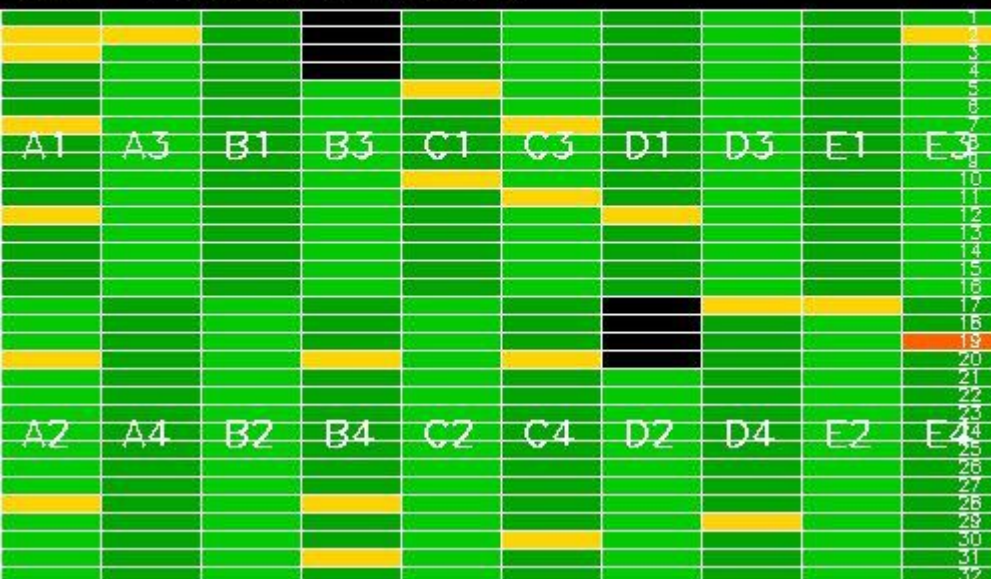
Reference: 2001-02-09 13:50:42 H RxGain
 Test : 2010-06-19 03:02:27 H



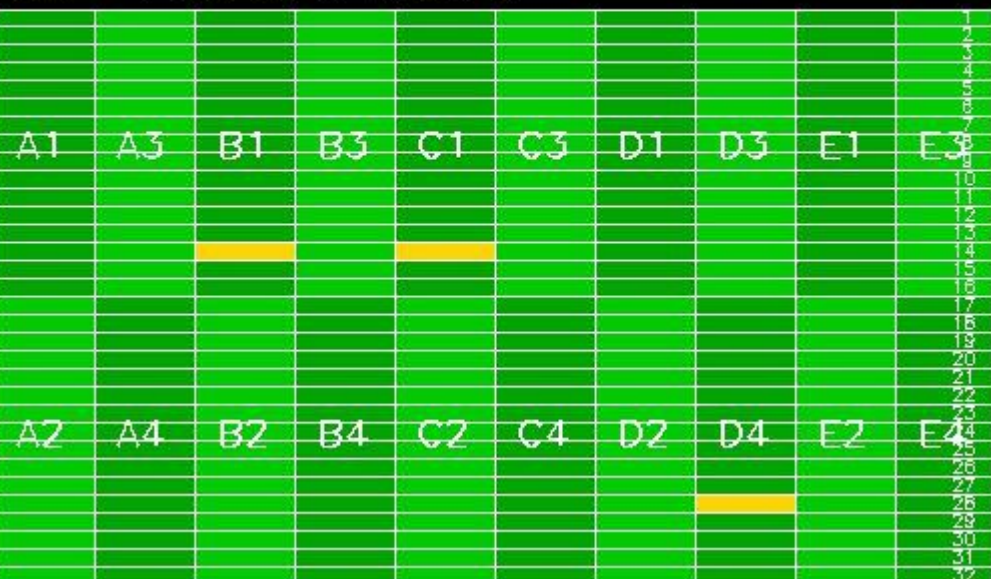
Reference: 2010-06-17 04:05:41 H RxGain
 Test : 2010-06-19 03:02:27 H

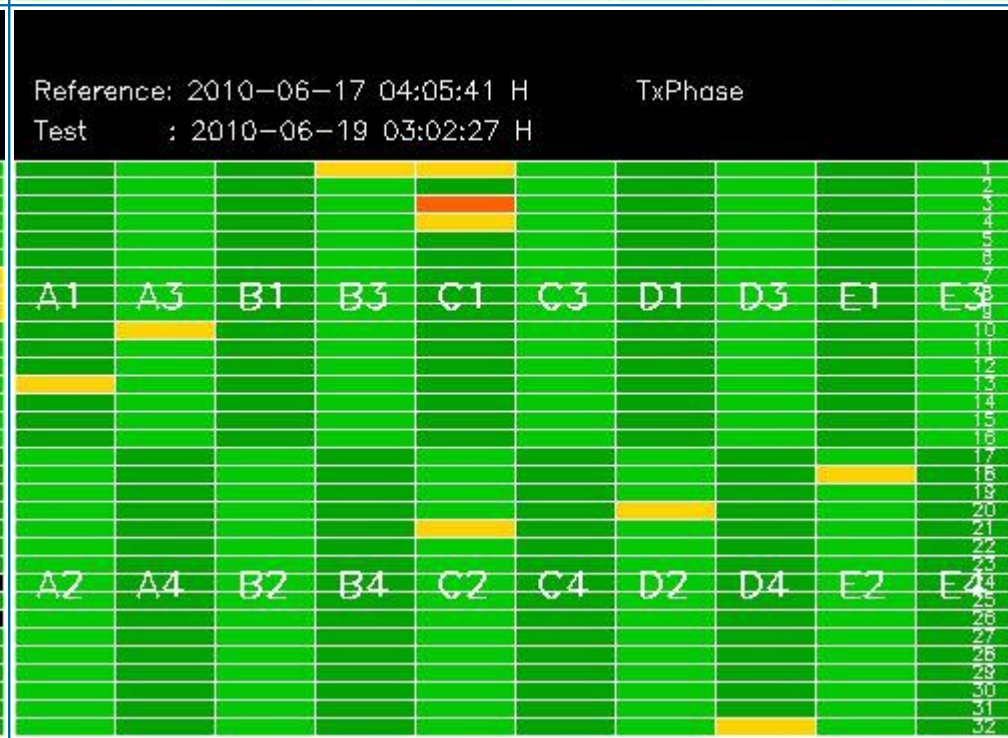
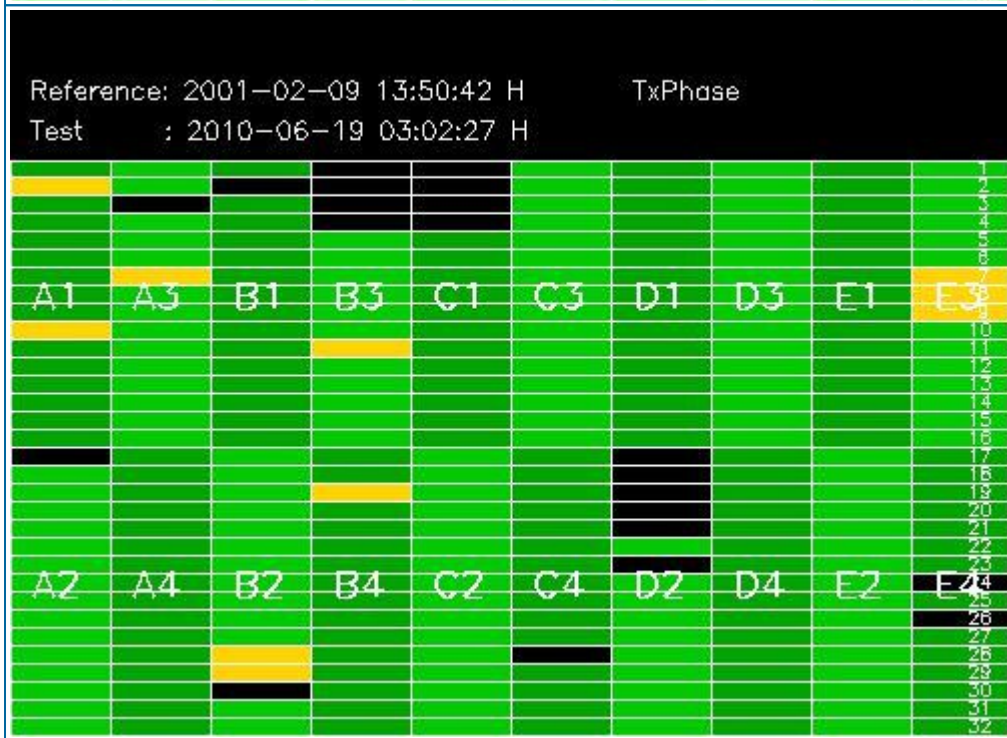
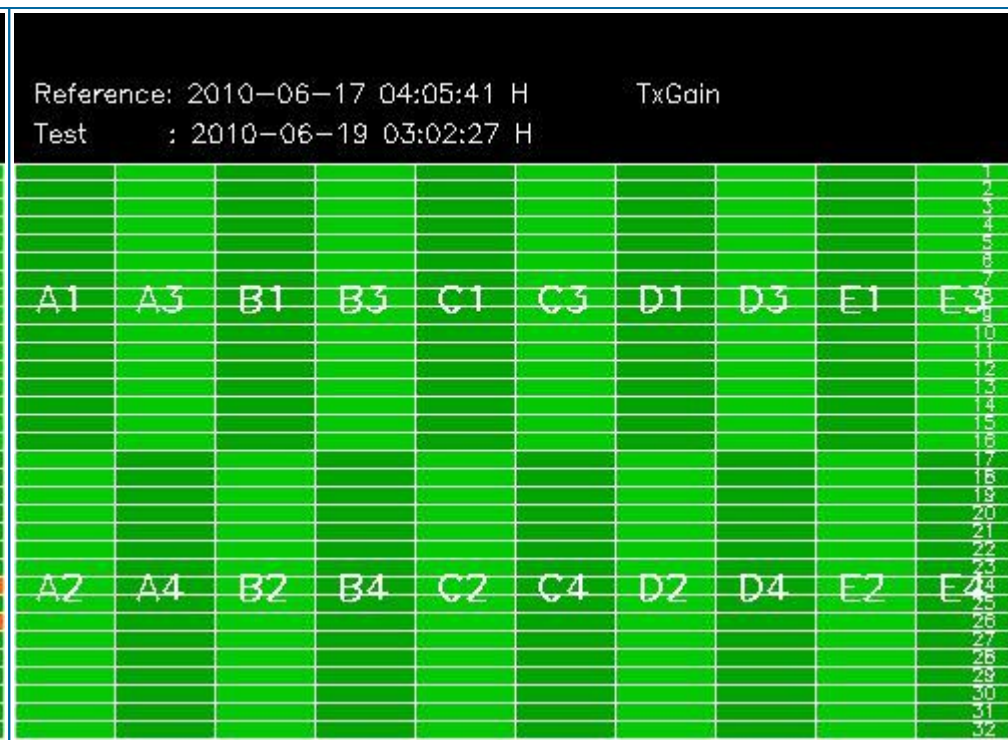
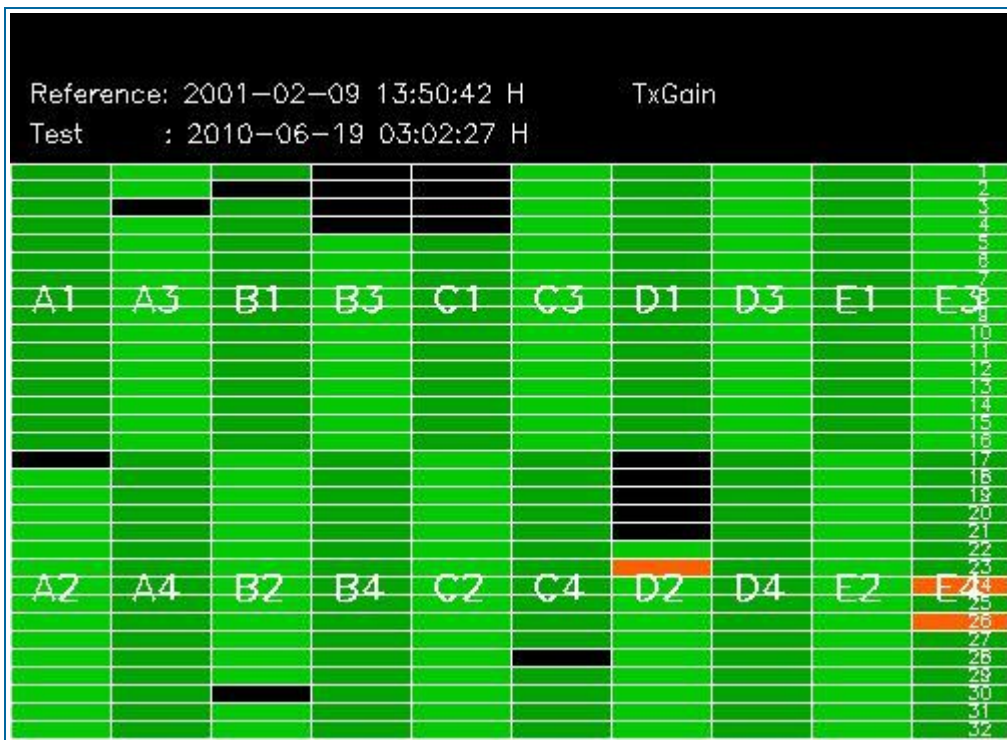


Reference: 2001-02-09 13:50:42 H RxPhase
 Test : 2010-06-19 03:02:27 H



Reference: 2010-06-17 04:05:41 H RxPhase
 Test : 2010-06-19 03:02:27 H





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

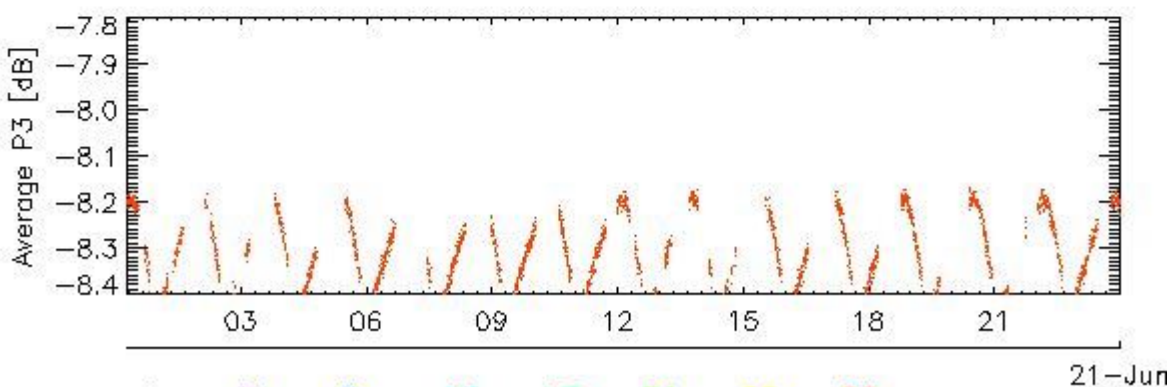
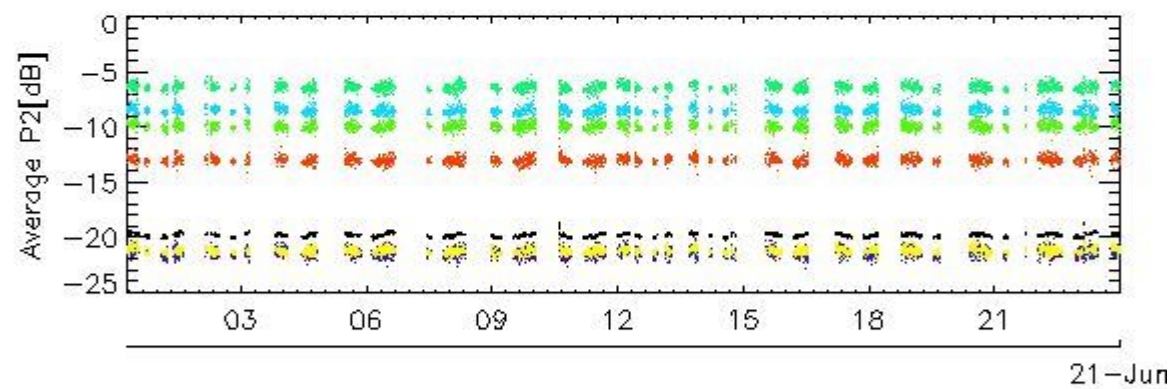
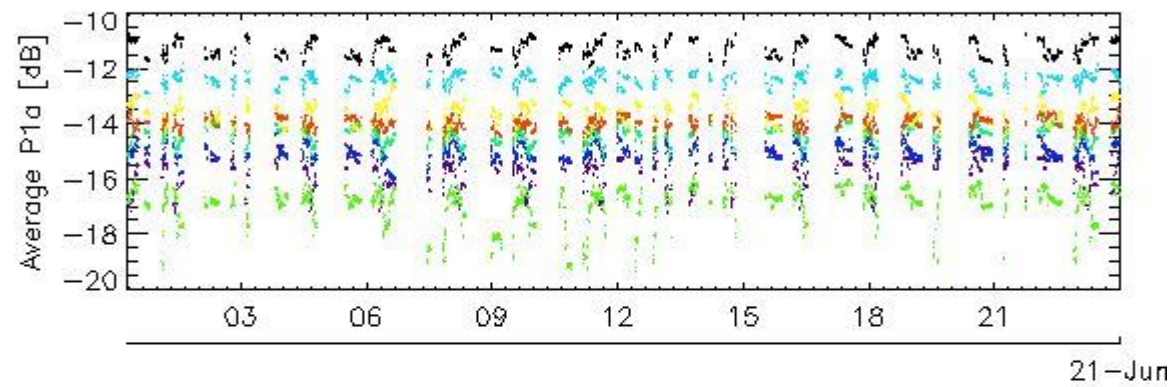
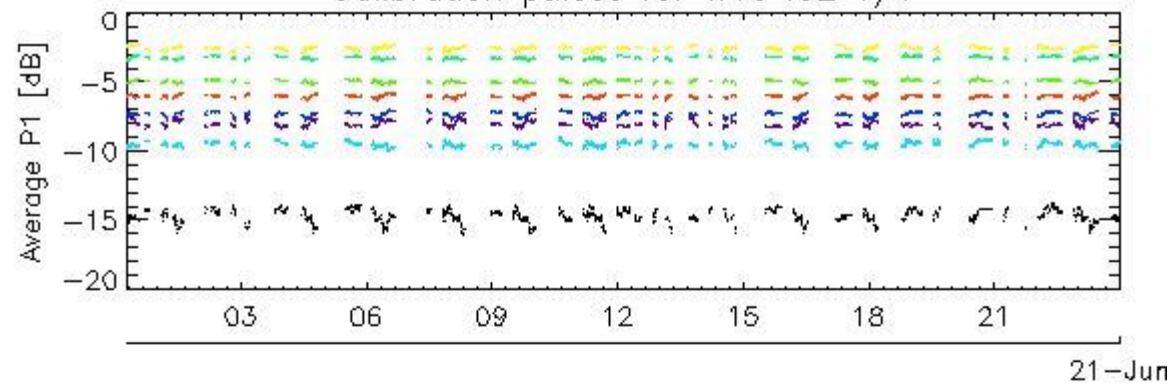
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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

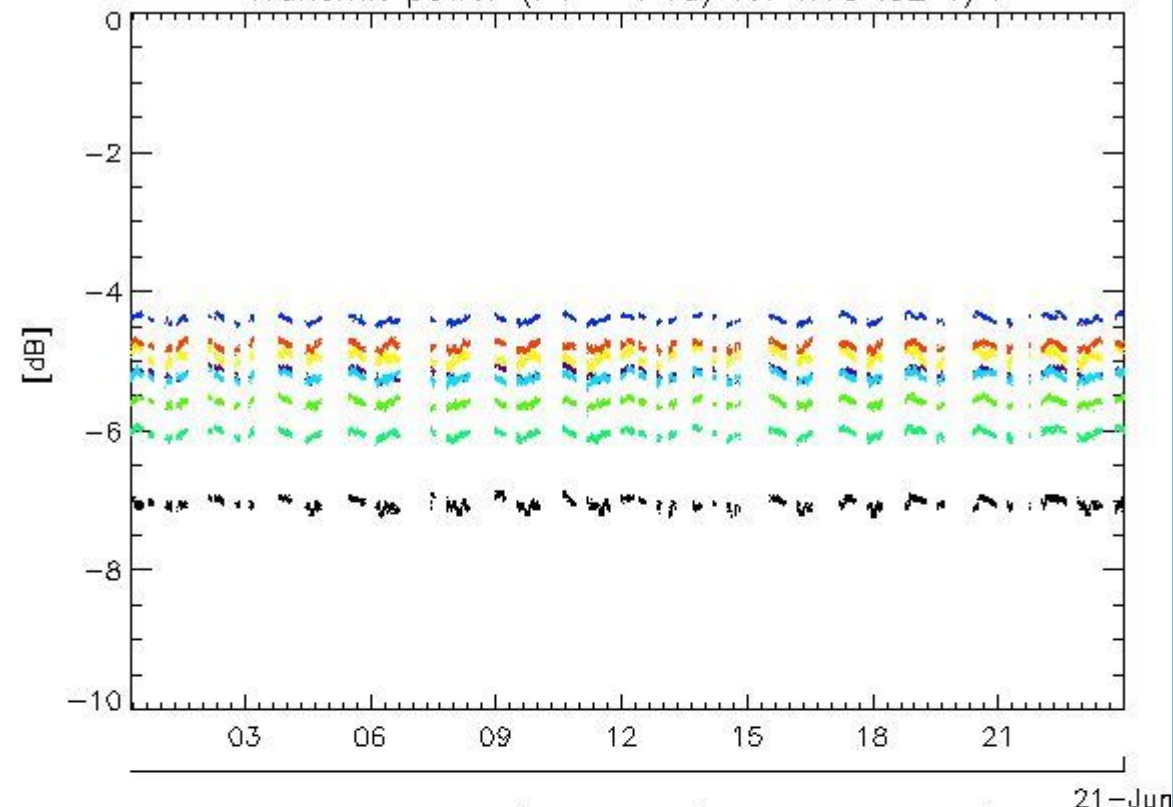
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

Calibration pulses for WVS IS2 V/V

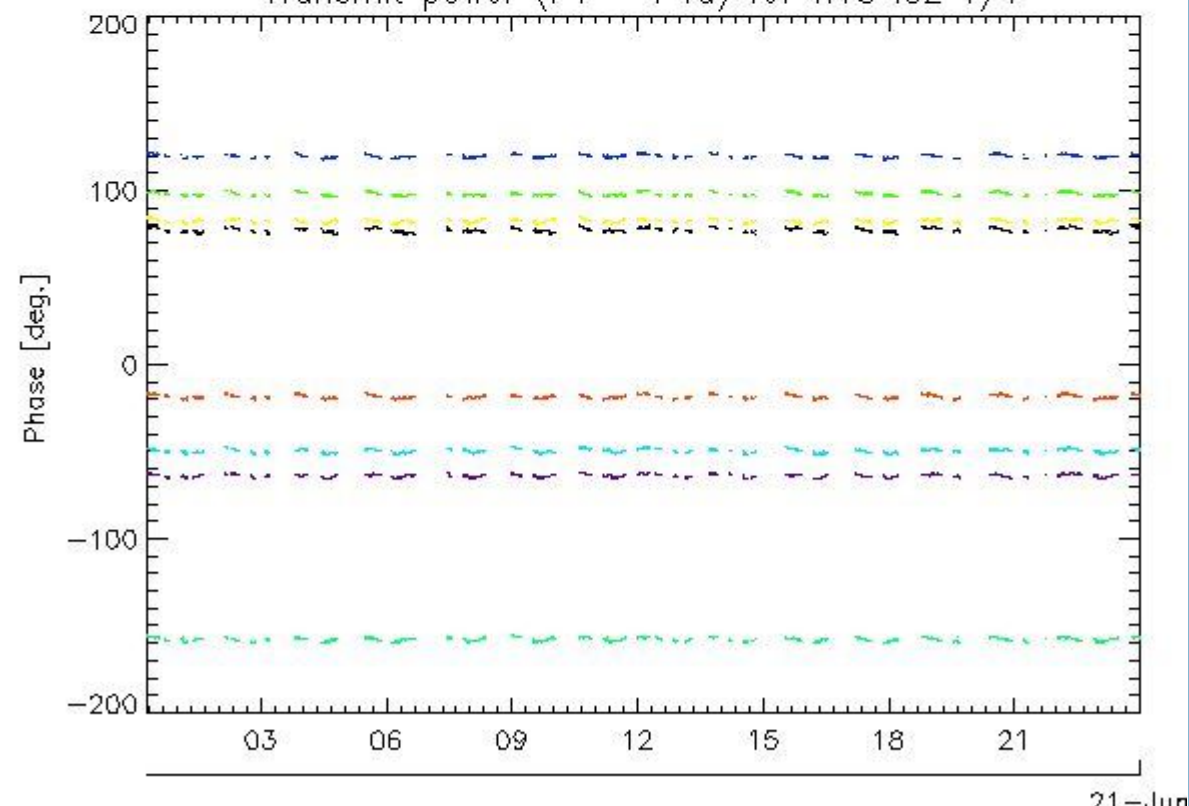


rows: - 1 - 5 - 9 - 13 - 17 - 21 - 25 - 29

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



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

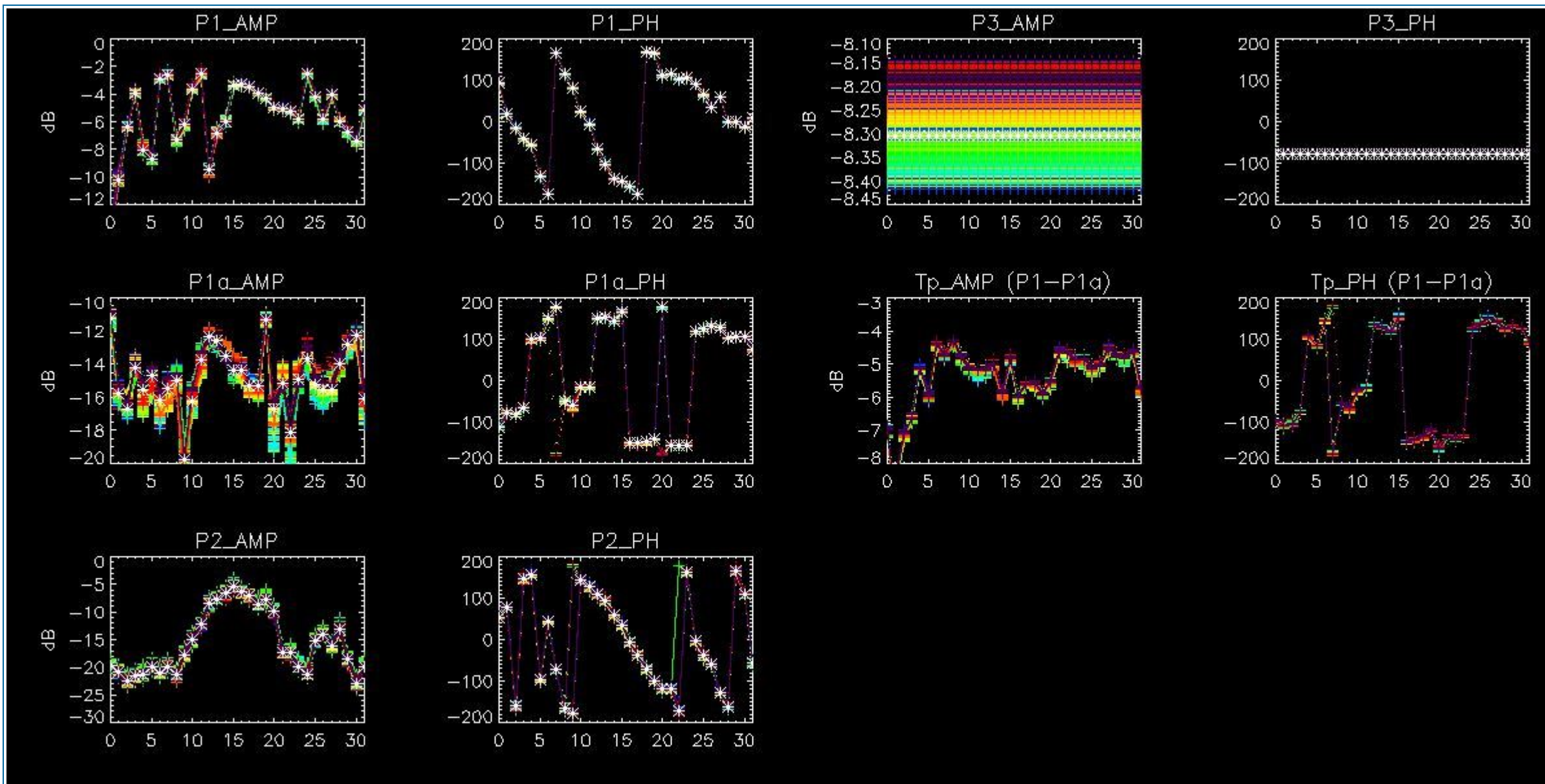


rows: - 1 - 5 - 9 - 13 - 17 - 21 - 25 - 29

4.1.2 - All Rows Analysis for WVS IS2 V/V

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4.2 - Analysis for GM1 SS3 H/H

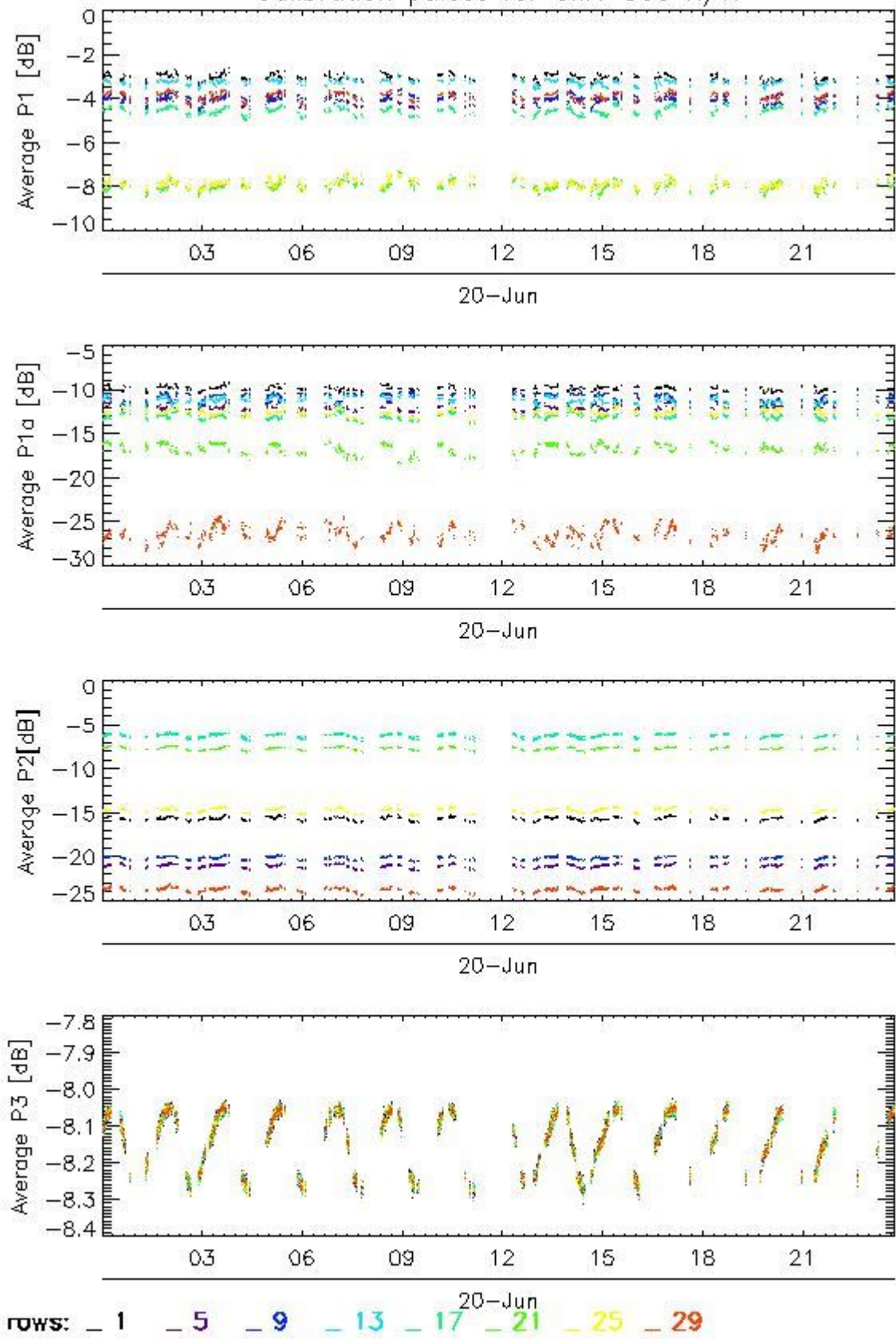
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

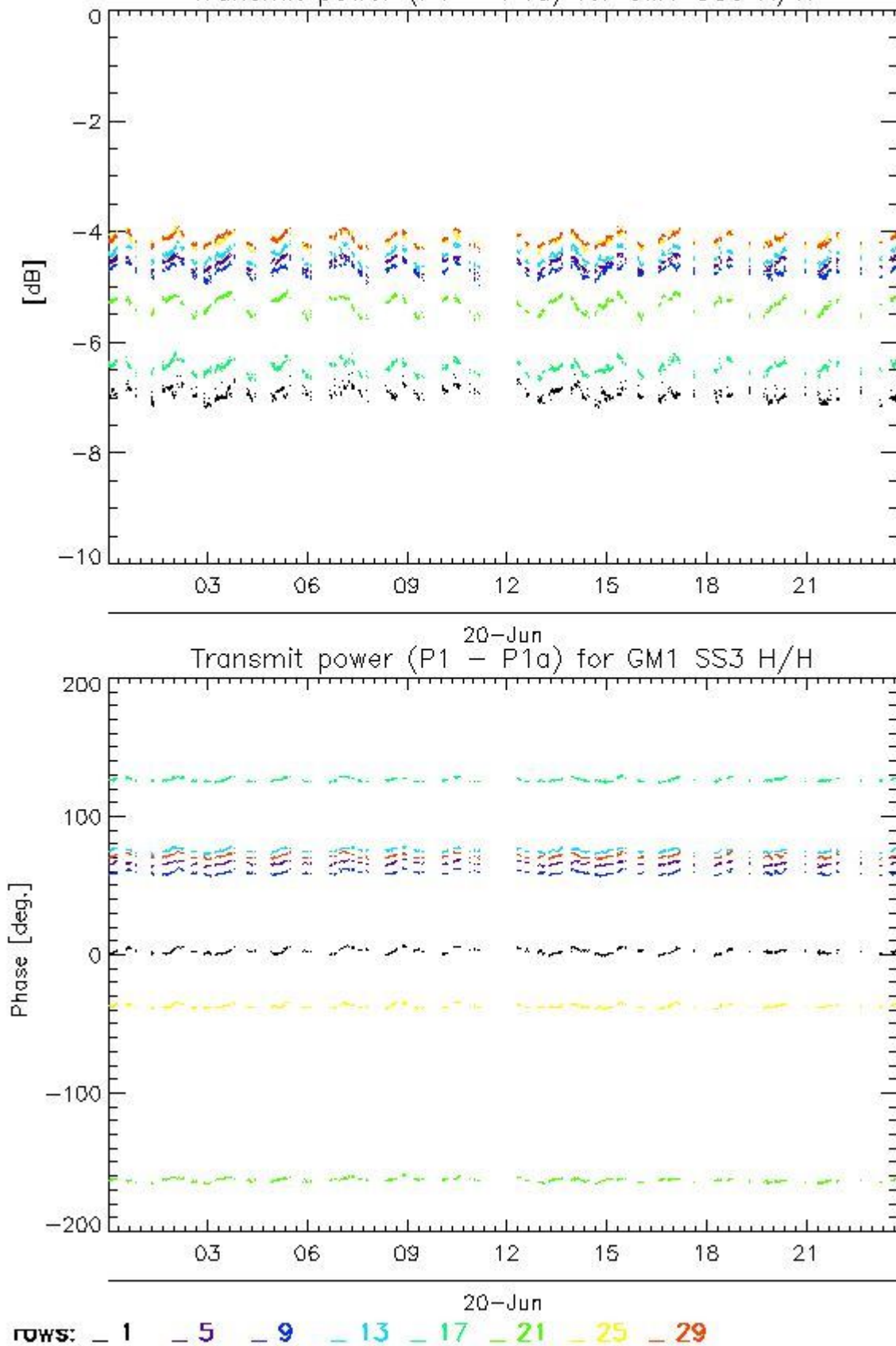
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



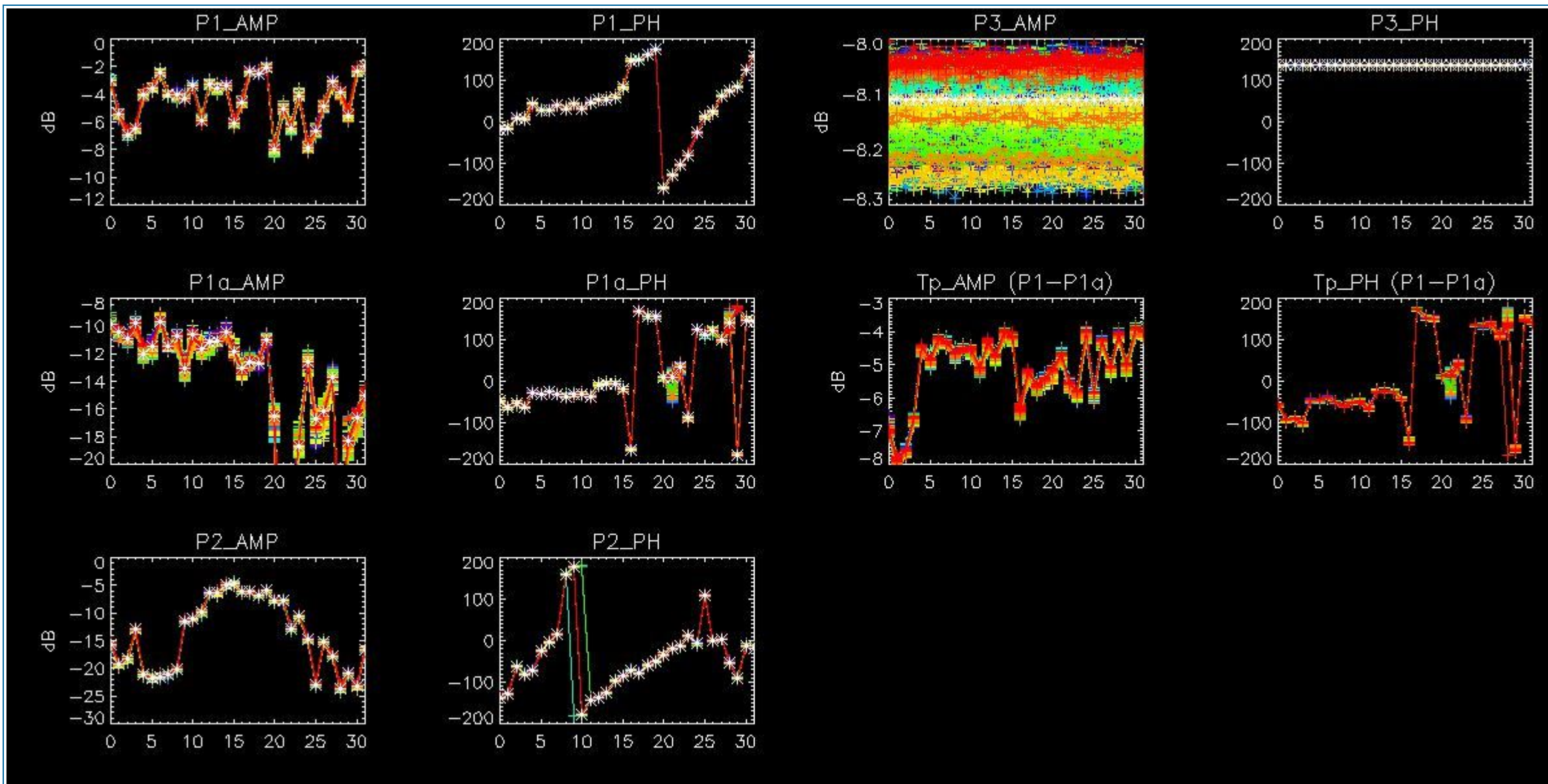
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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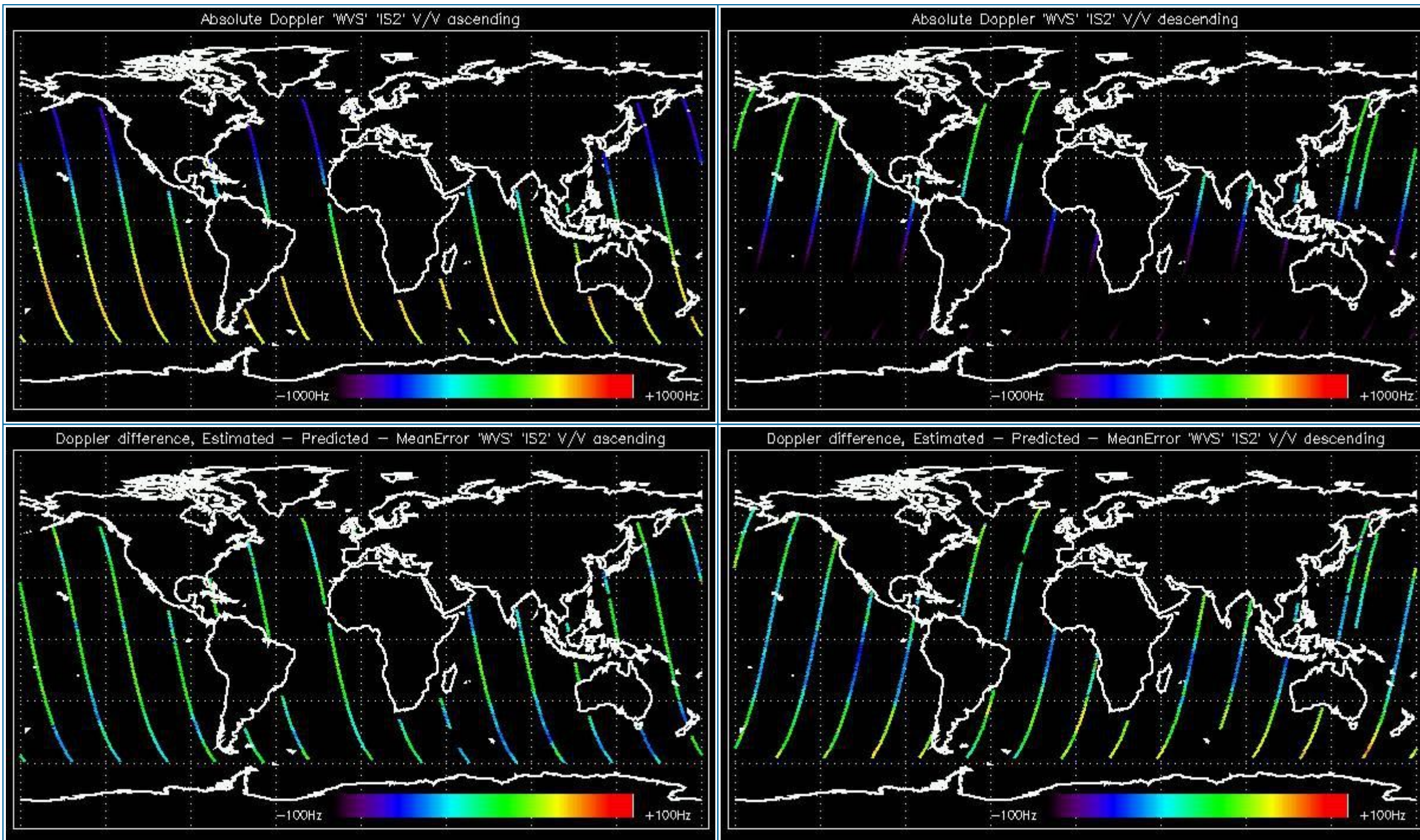
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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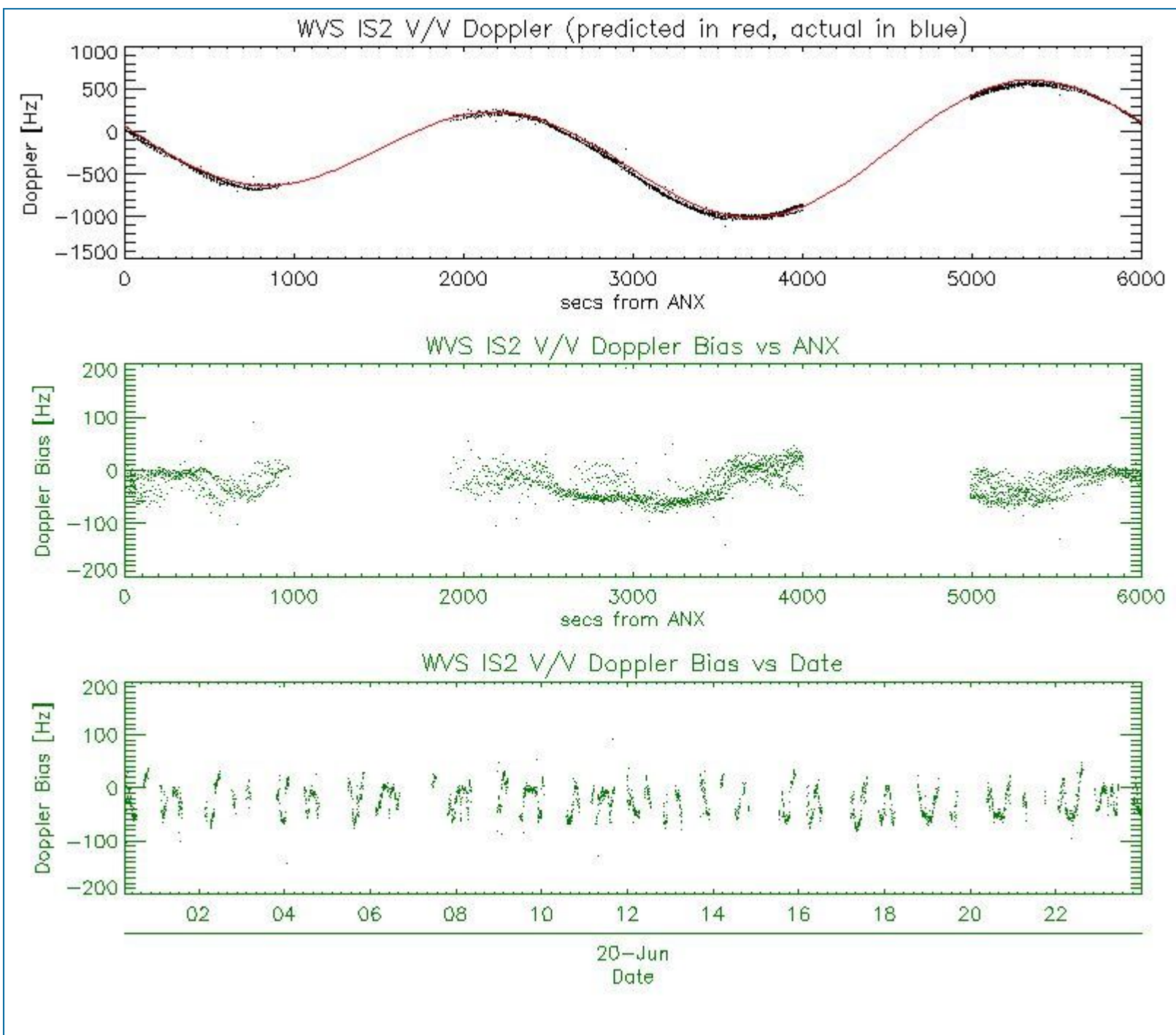




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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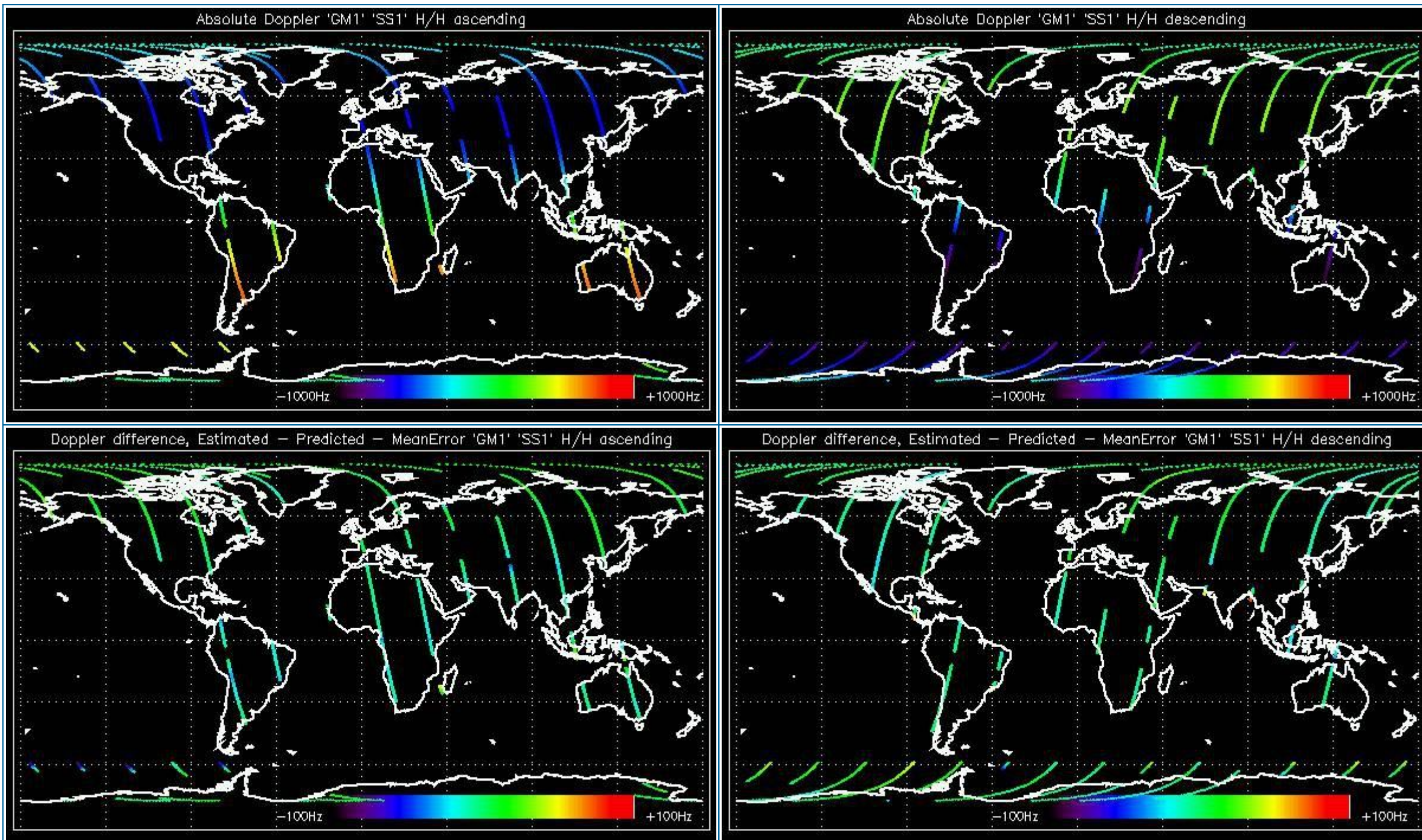


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

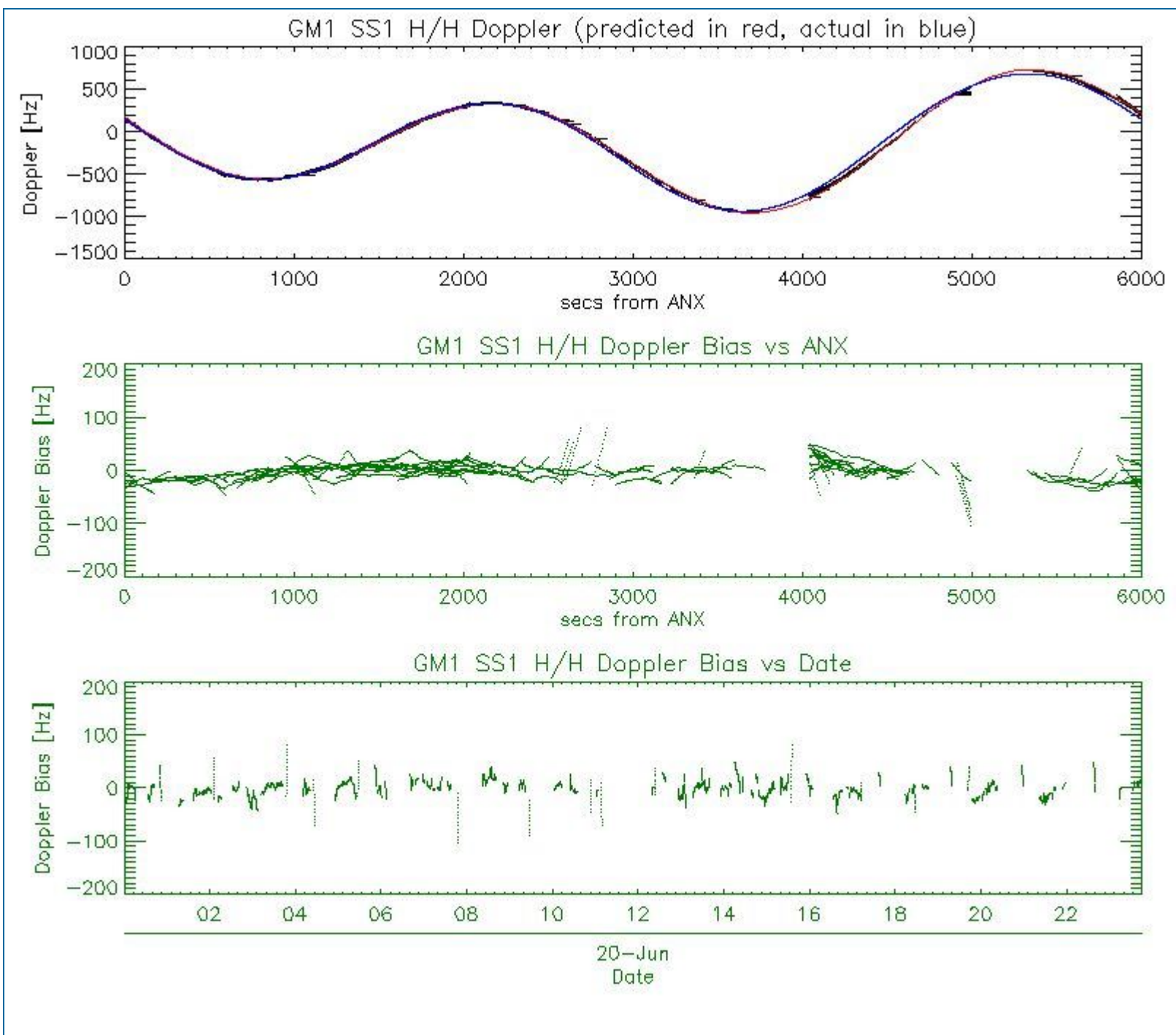




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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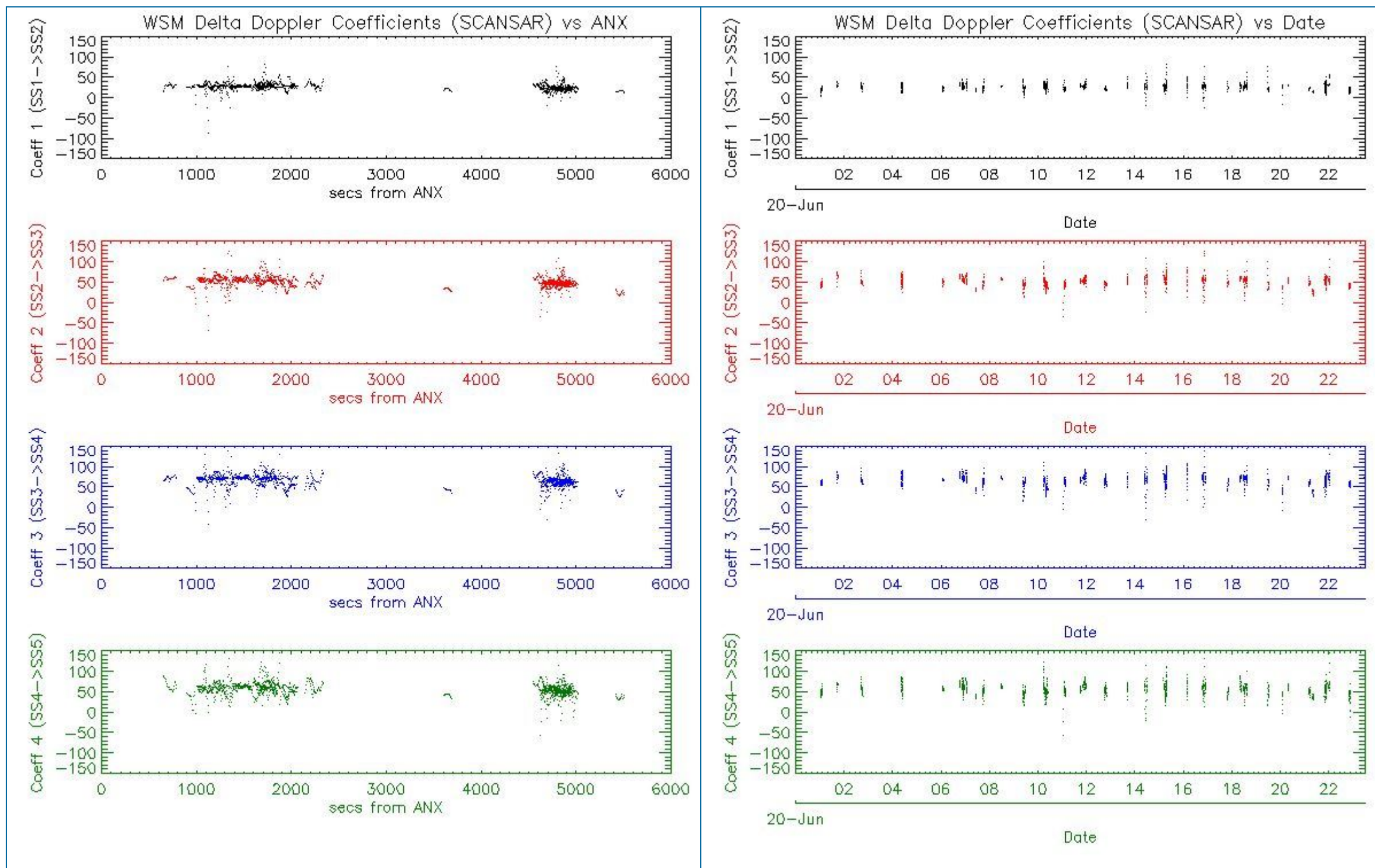




5.3 - Doppler JUMPS Analysis for WSM

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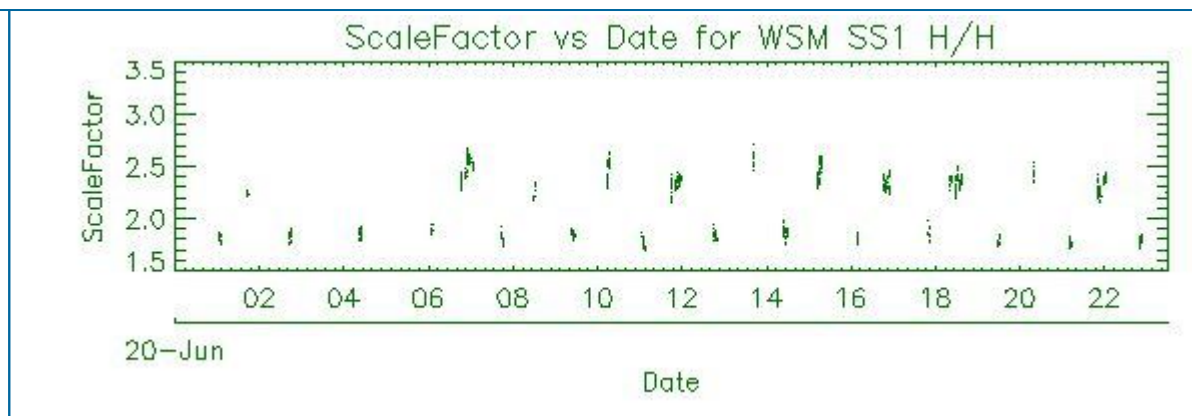
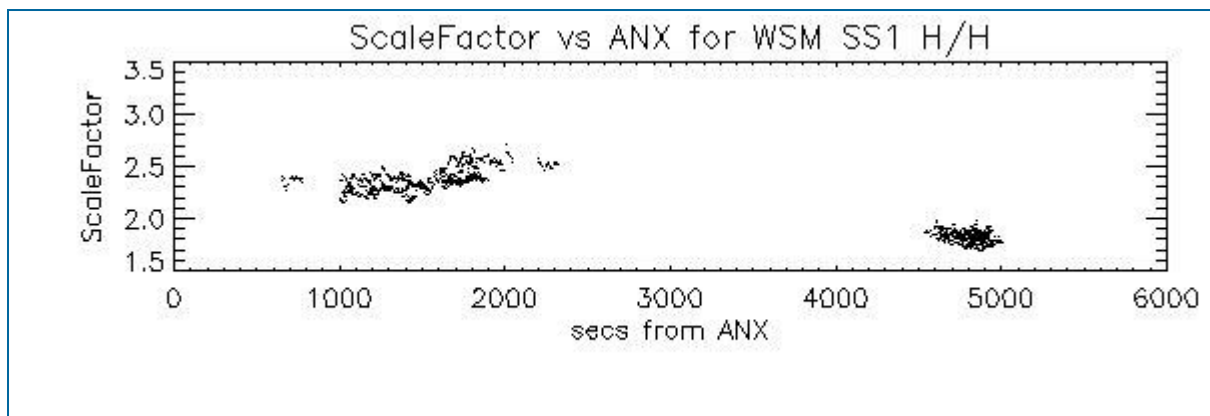
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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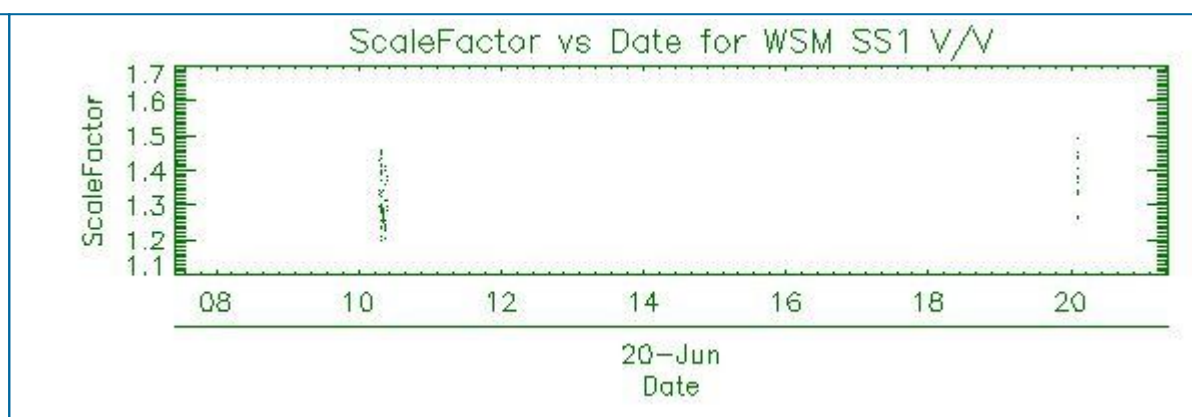
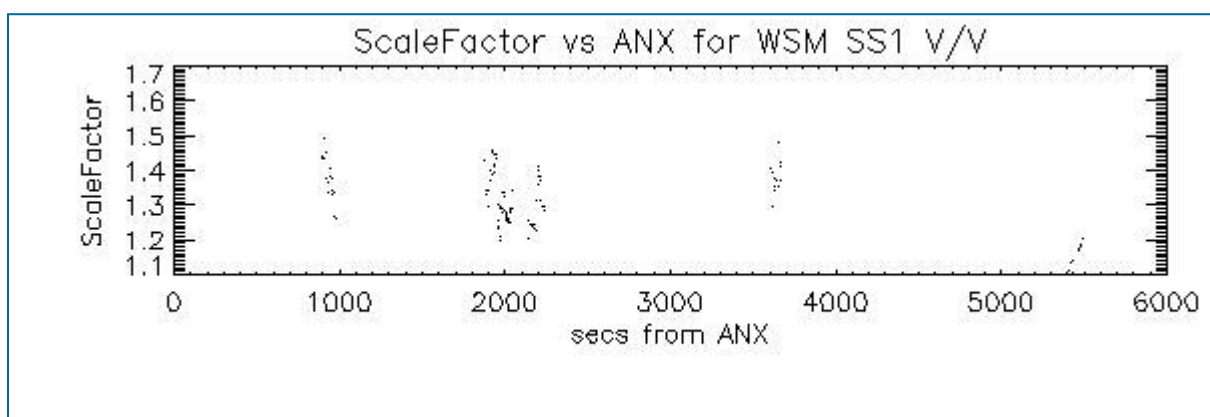




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

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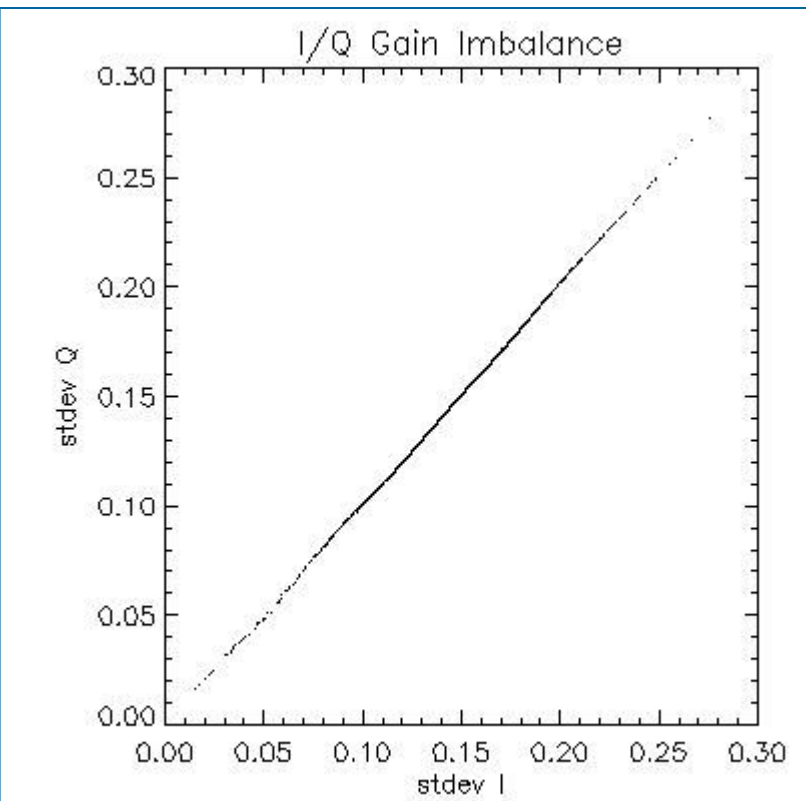
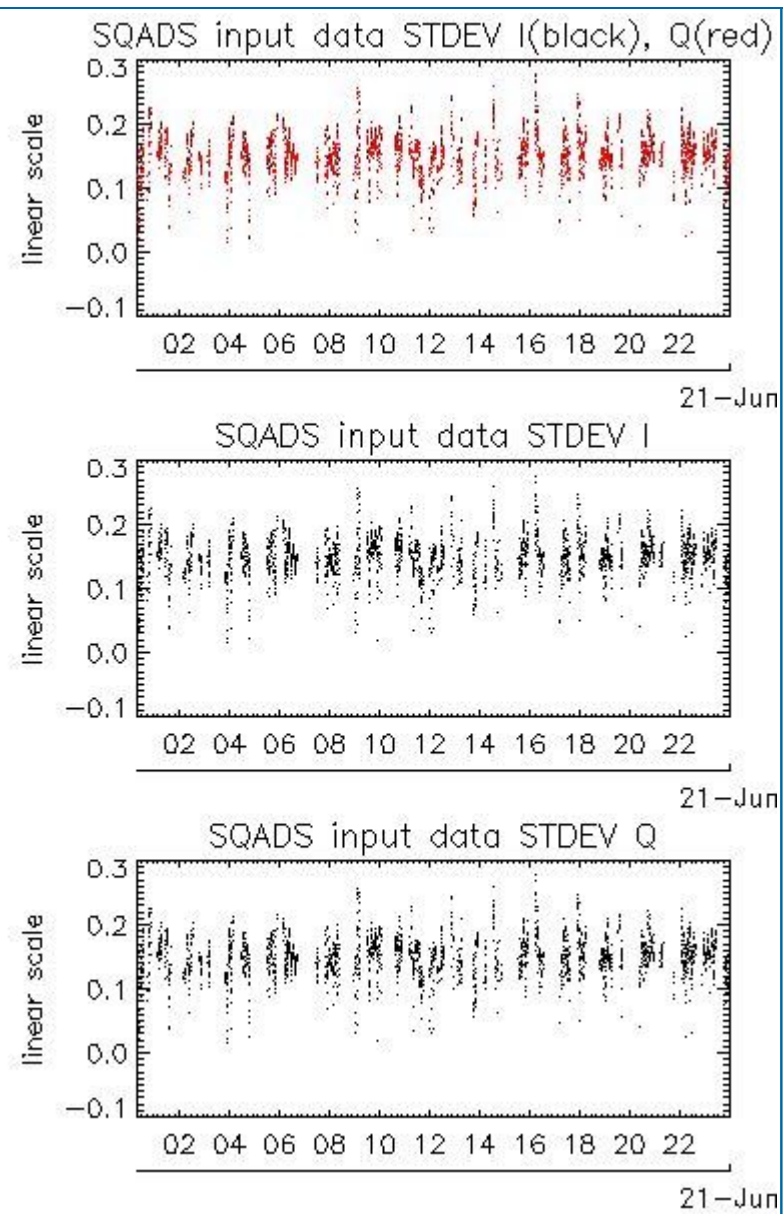
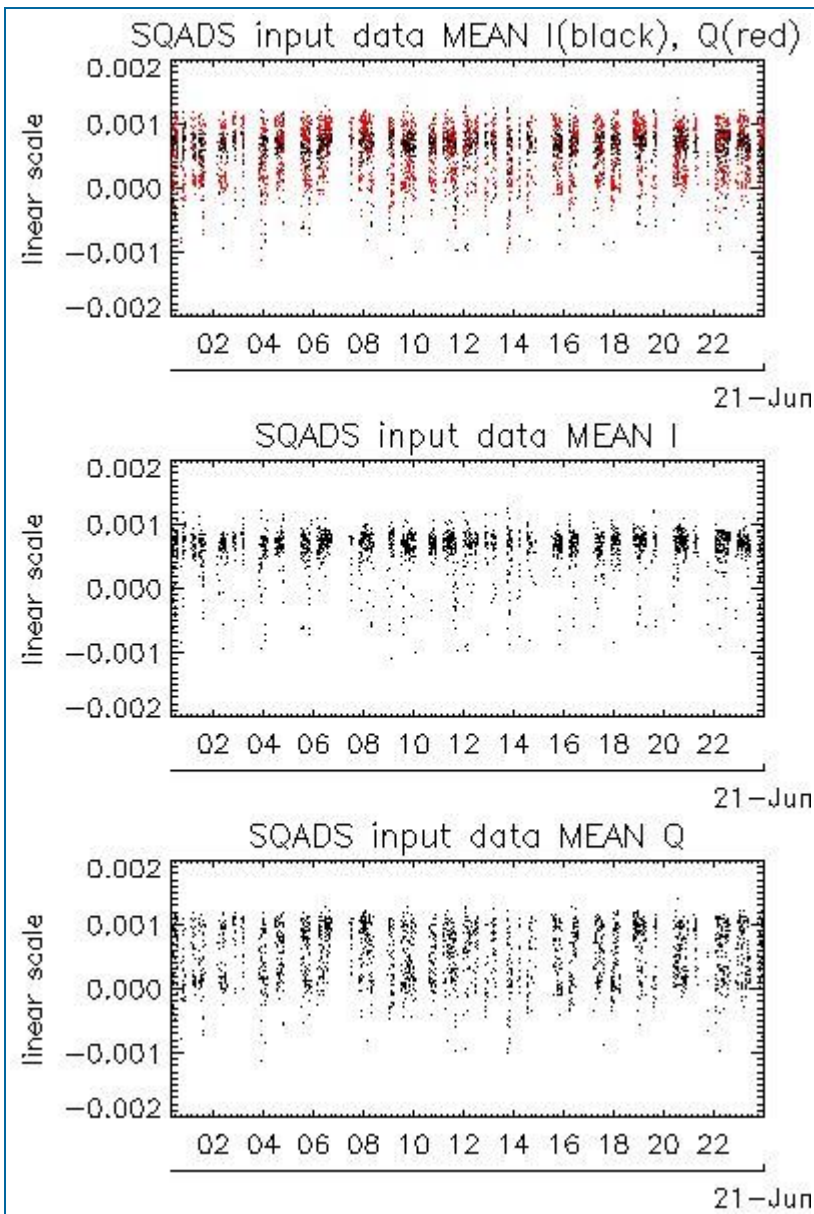


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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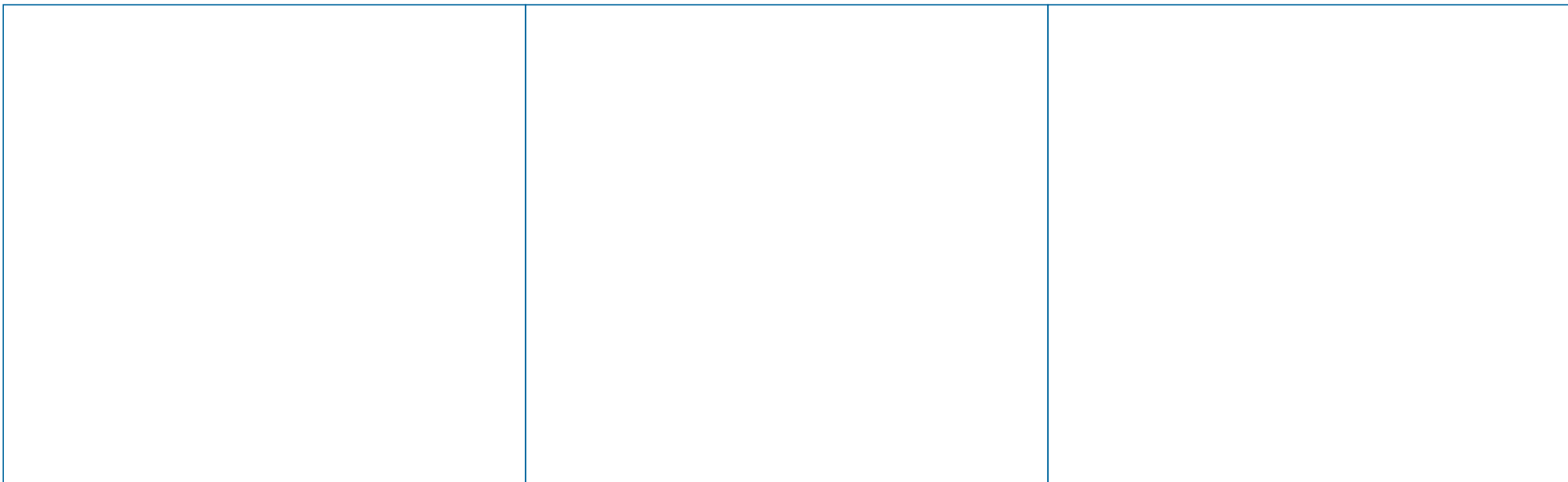
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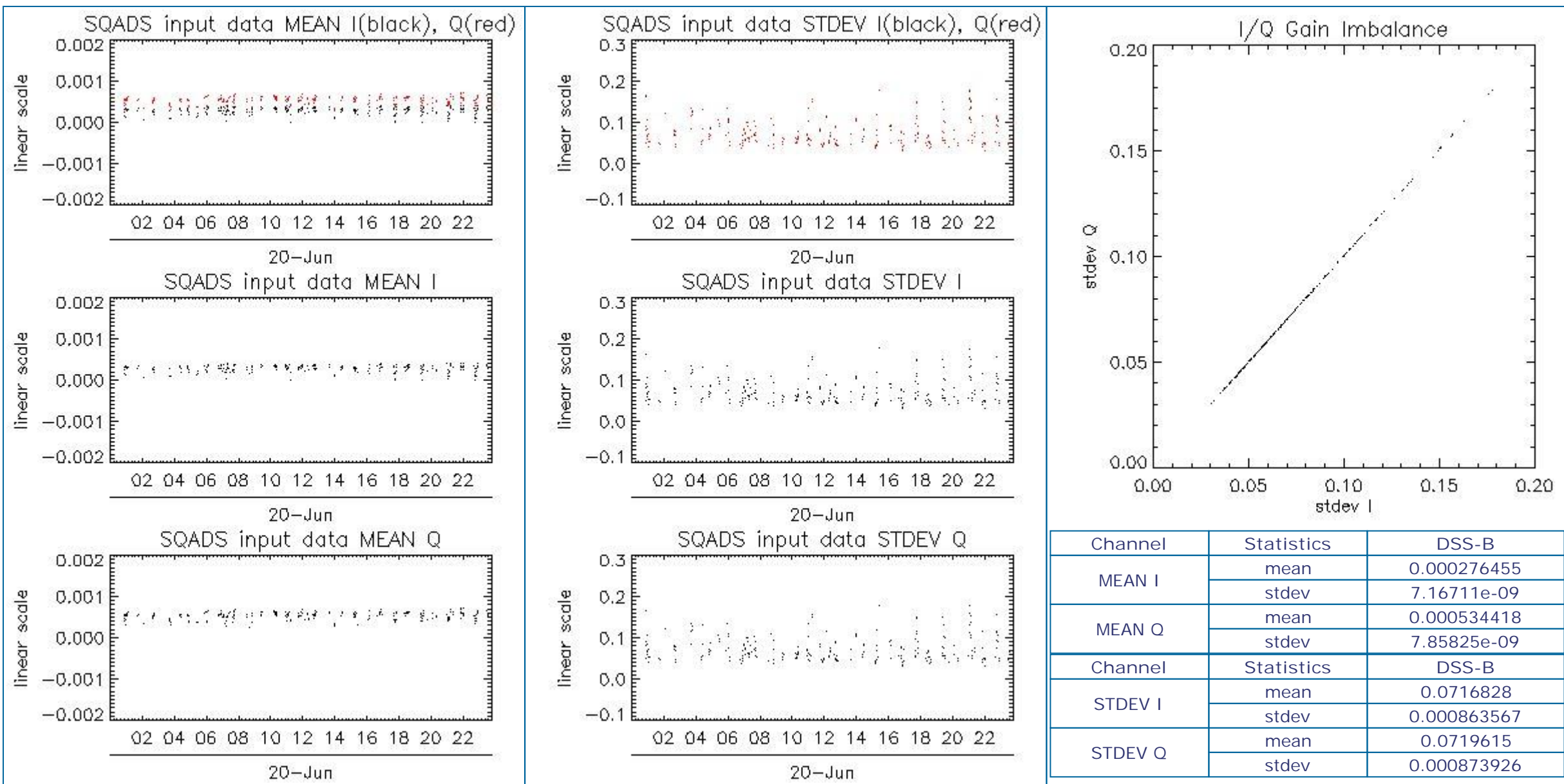


Channel	Statistics	DSS-B
MEAN I	mean	0.000622988
	stdev	1.01552e-07
MEAN Q	mean	0.000535222
	stdev	1.93904e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.149423
	stdev	0.00102986
STDEV Q	mean	0.149946
	stdev	0.00105105

7.2 - Analysis for IMM

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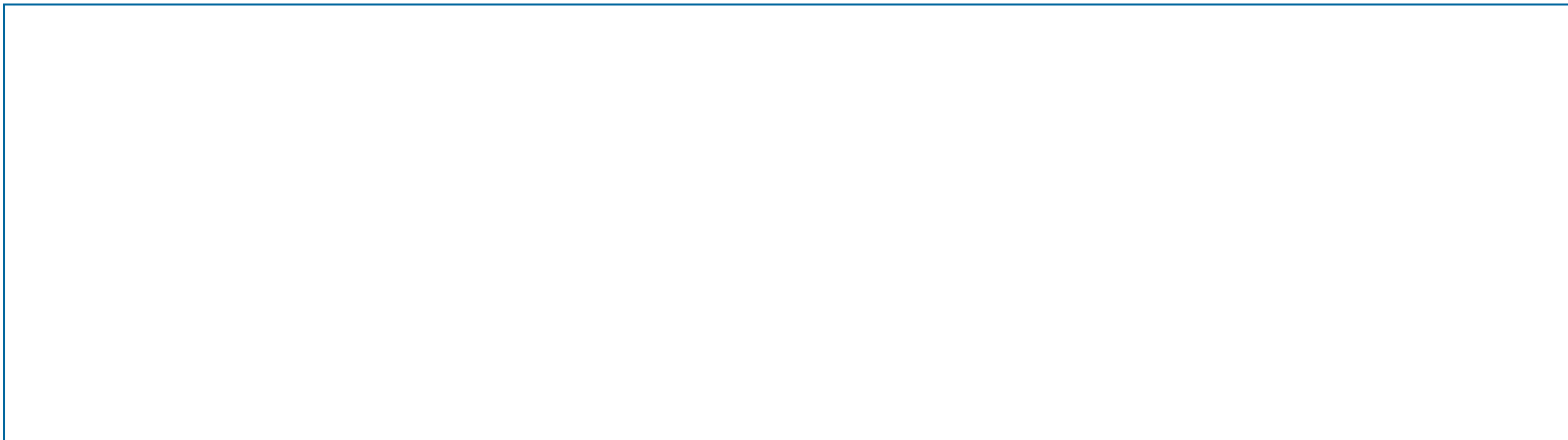


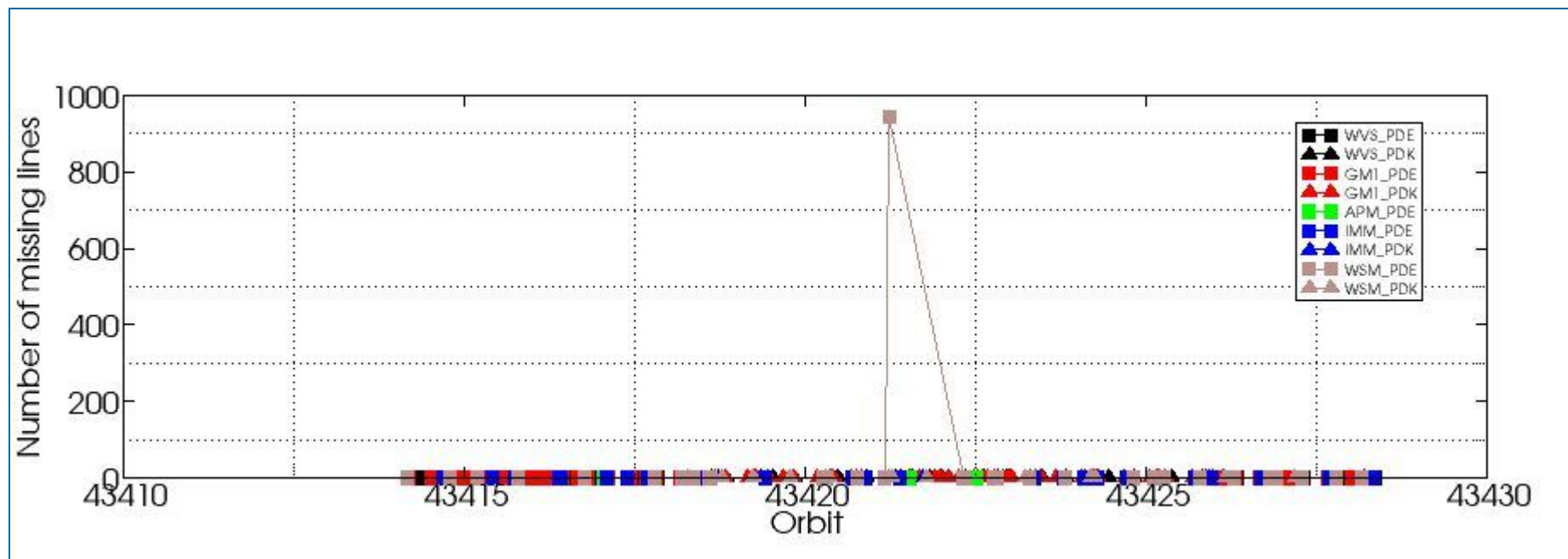
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WSM_1PNPDE20100620_115003_00000672090_00281_43421_0339.N1	0	946

8.1 - Number of Missing lines

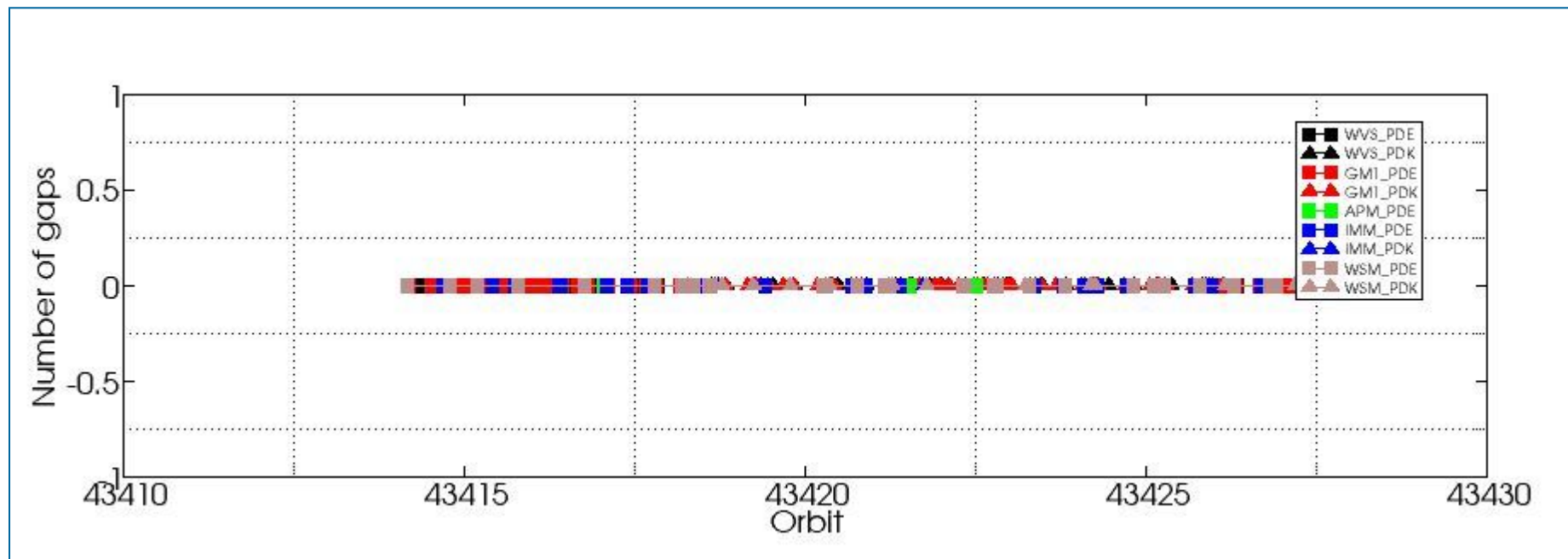
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8.2 - Number of Gaps

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ASAR DAILY REPORT for 100620
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2010-06-20

Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/

DATA SUMMARY

Summary will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_100620/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_100620/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/AUXILIARY

Creating directory ./RESULTS/DAILY/_100620/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20100620*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_100620/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_100620/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_100620/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDE20100619_030227_000000162090_00261_43401_0552.N1
H
H

../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/TGH_20100619_030227-20010209_135042.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/TPH_20100619_030227-20010209_135042.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/RGH_20100619_030227-20010209_135042.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/RPH_20100619_030227-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDE20100620_023050_000000162090_00275_43415_0553.N1
V
V

../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/TGV_20100620_023050-20010209_140823.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/TPV_20100620_023050-20010209_140823.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/RGV_20100620_023050-20010209_140823.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/SECOND_REFERENCE/RPV_20100620_023050-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDE20100617_040541_000000162090_00233_43373_0550.N1
Test product: ASA_MS__0PNPDE20100619_030227_000000162090_00261_43401_0552.N1
H
H

../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20100619_030227-20100617_040541.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20100619_030227-20100617_040541.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20100619_030227-20100617_040541.png
../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20100619_030227-20100617_040541.png

Polarization: V
Reference product: ASA_MS__0PNPDE20100618_033404_000000162090_00247_43387_0551.N1
Test product: ASA_MS__0PNPDE20100620_023050_000000162090_00275_43415_0553.N1

V
V

../../../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20100620_023050-20100618_033404.png
../../../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20100620_023050-20100618_033404.png
../../../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20100620_023050-20100618_033404.png
../../../../RESULTS/DAILY/_100620/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20100620_023050-20100618_033404.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/_100620/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59

Analysing products WVS IS2 V/V

Writing image ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-20_1.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-20_2.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-20_3.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

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

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-20_4.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/_100620//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 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-20_1.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-20_2.dat...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-20_3.dat...
Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-20 00:00:00 to 2010-06-20 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_100620/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-20_4.dat...
Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_100620//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_100620/DOPPLER...

DOPPLER ANX Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DOPPLER/Doppler_data_WVS_IS2_VV_2010-06-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100620/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DOPPLER/Doppler_data_GM1_SS1_HH_2010-06-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100620/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2010-06-20 00:00:00 to 2010-06-20 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/DOPPLER/Doppler_Jumps_data_WSM_2010-06-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100620/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_100620/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59

Analysing products WVS IS2 V/V
Loading predicted doppler values....
Phase: descending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -24.659531 Hz
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...



```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -24.634972 Hz
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_100620//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 = 4.6238919 Hz
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
*****
```

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -8.1222111 Hz
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_100620//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
*****
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_100620/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/CHIRP/ScaleFactor_data_WSM_SS1_HH_2010-06-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100620/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_100620/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/CHIRP/ScaleFactor_data_WSM_SS1_VV_2010-06-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100620/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_100620/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

#####

Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/RAW_DATA

Creating directory ./RESULTS/DAILY/_100620/RAW_DATA...

Getting raw data for WVS from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/RAW_DATA/Raw_data_WVS_2010-06-20.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2010-06-20 00:00:00 to 2010-06-20 23:59:59...
Writing file ./RESULTS/DAILY/_100620/RAW_DATA/Raw_data_IMM_2010-06-20.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_100620/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2010-06-20 00:00:00 to 2010-06-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100620/TELEMETRY

Creating directory ./RESULTS/DAILY/_100620/TELEMETRY...

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

Checking 25 products from PDE...
Checking 25 products from PDK...

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

Checking 40 products from PDE...
Checking 47 products from PDK...

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

Checking 5 products from PDE...
No products from PDK...

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

Checking 29 products from PDE...
Checking 4 products from PDK...

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

Checking 29 products from PDE...
Found product...ASA_WSM_1PNPDE20100620_115003_00000672090_00281_43421_0339.N1 / 0 gaps / 946 missing lines
Checking 16 products from PDK...

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/_100620/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_100620/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

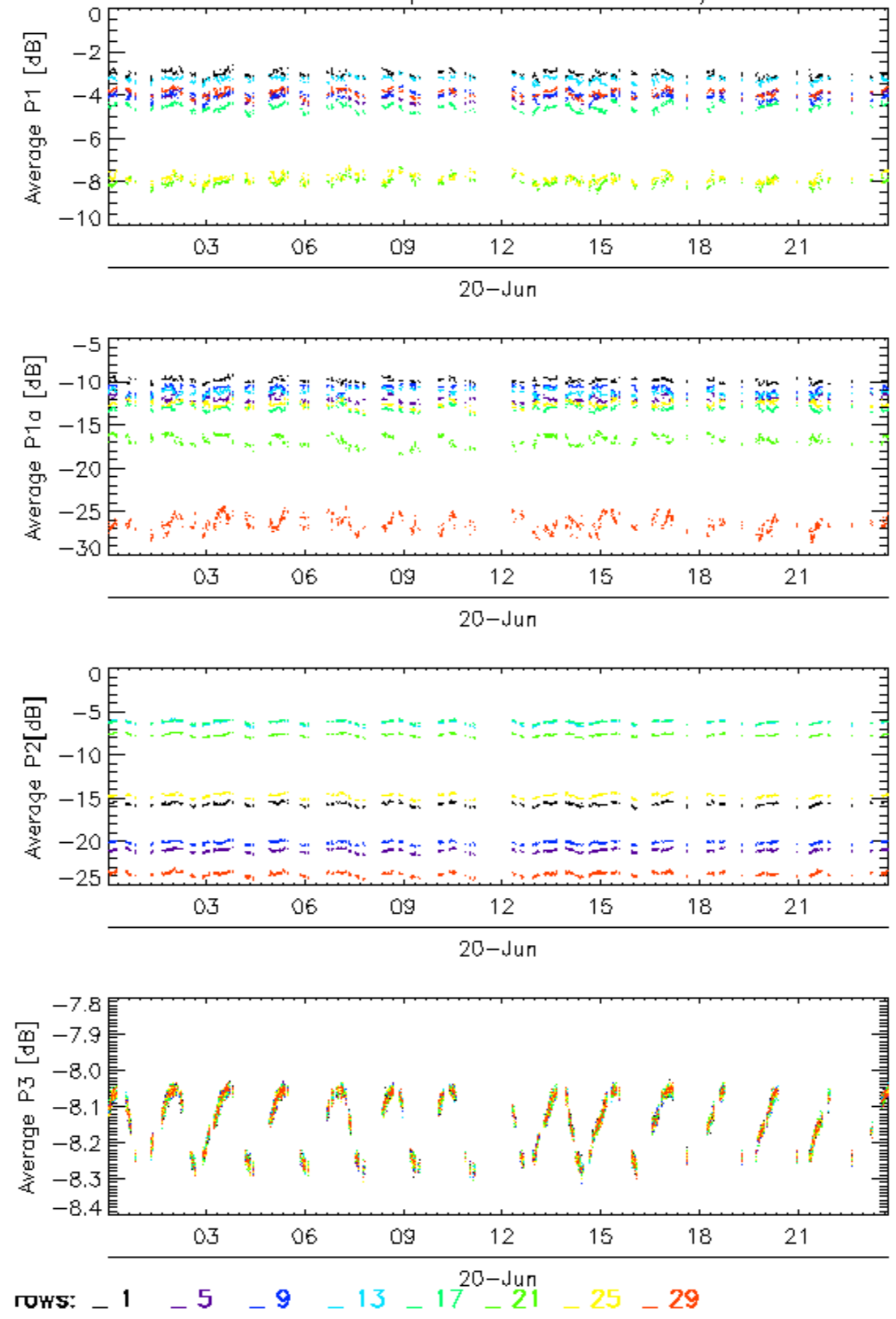
HTML REPORT generation
#####

Building file ./RESULTS/DAILY/_100620/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...

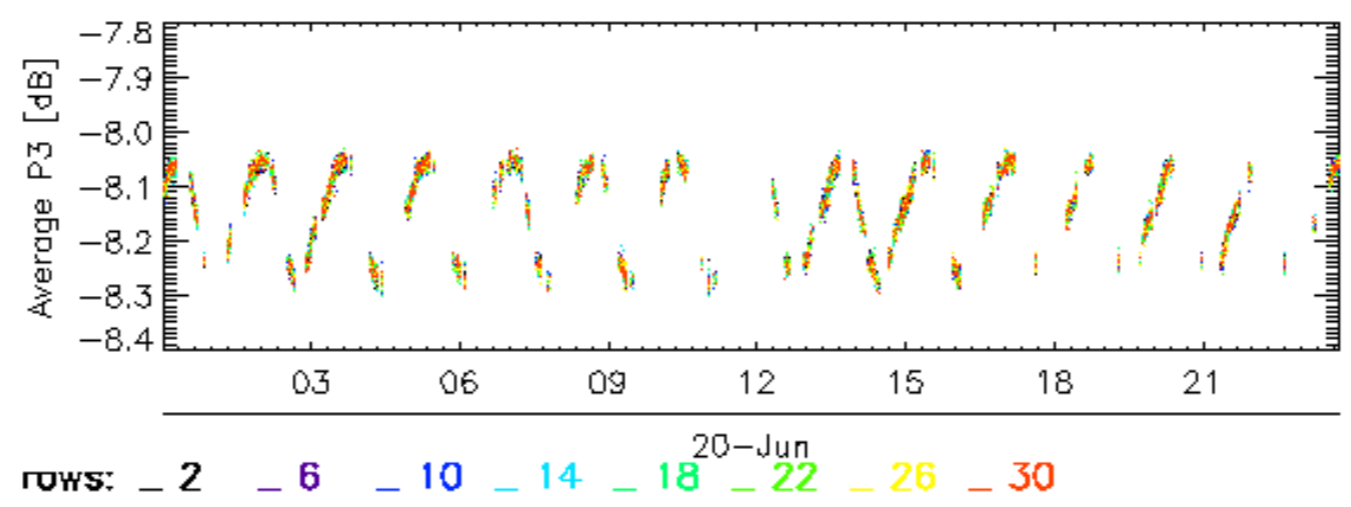
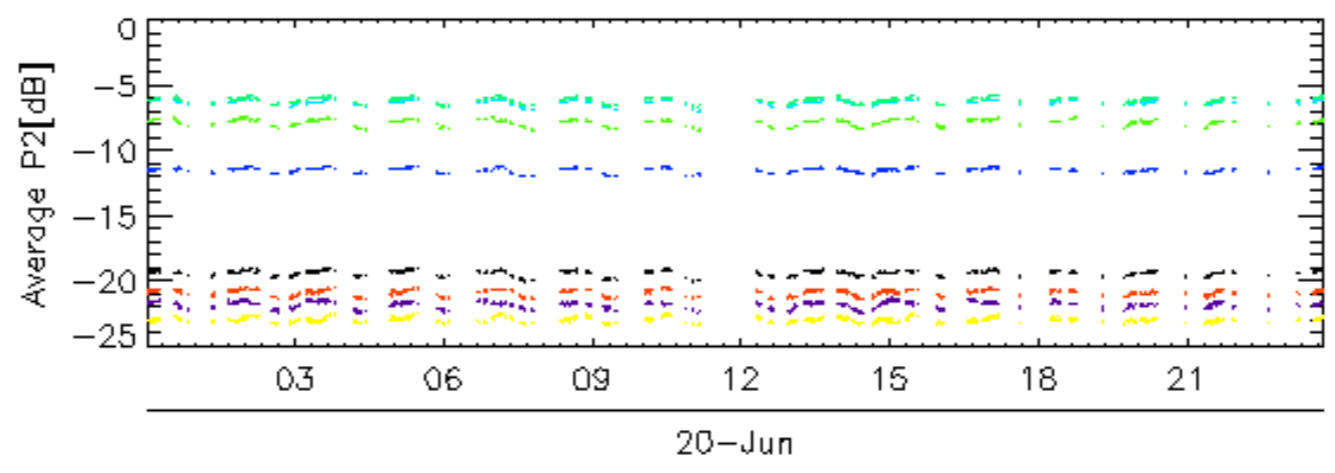
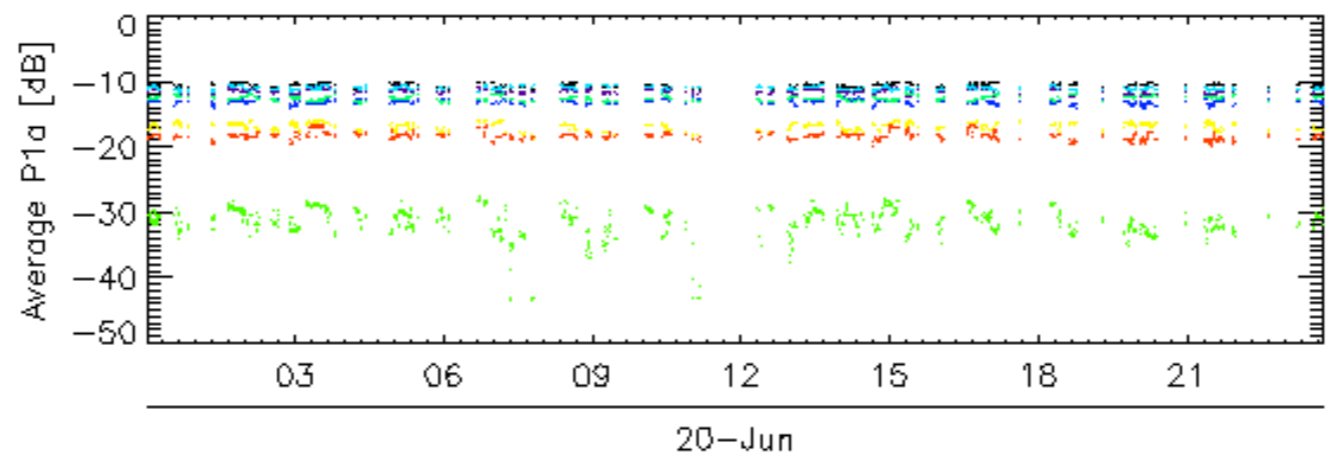
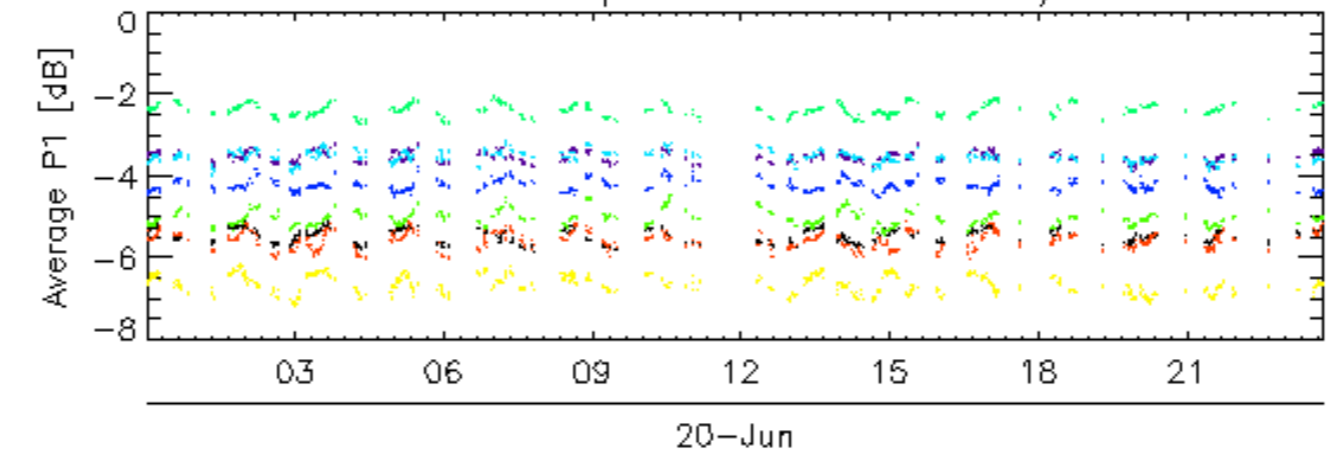
HTML REPORT generation completed
#####



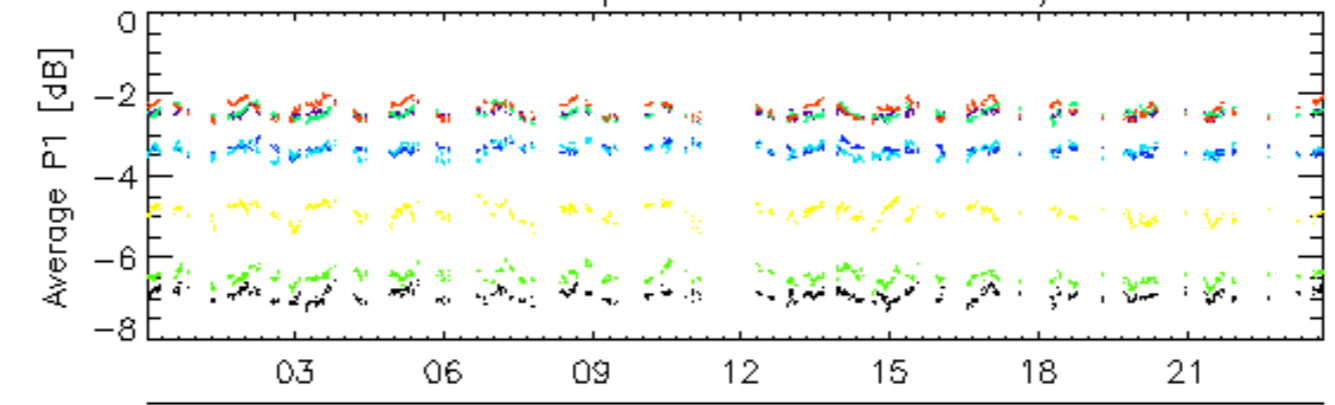
Calibration pulses for GM1 SS3 H/H



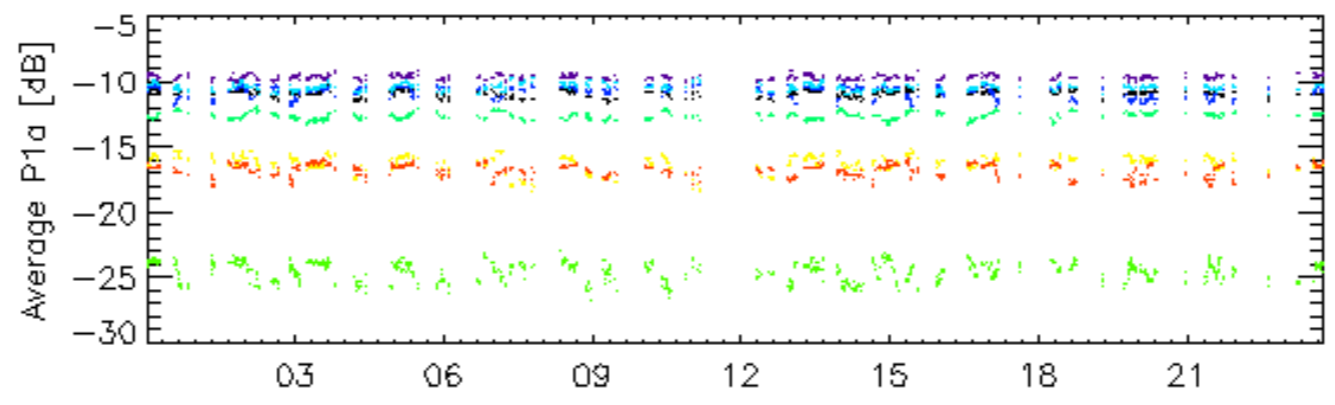
Calibration pulses for GM1 SS3 H/H



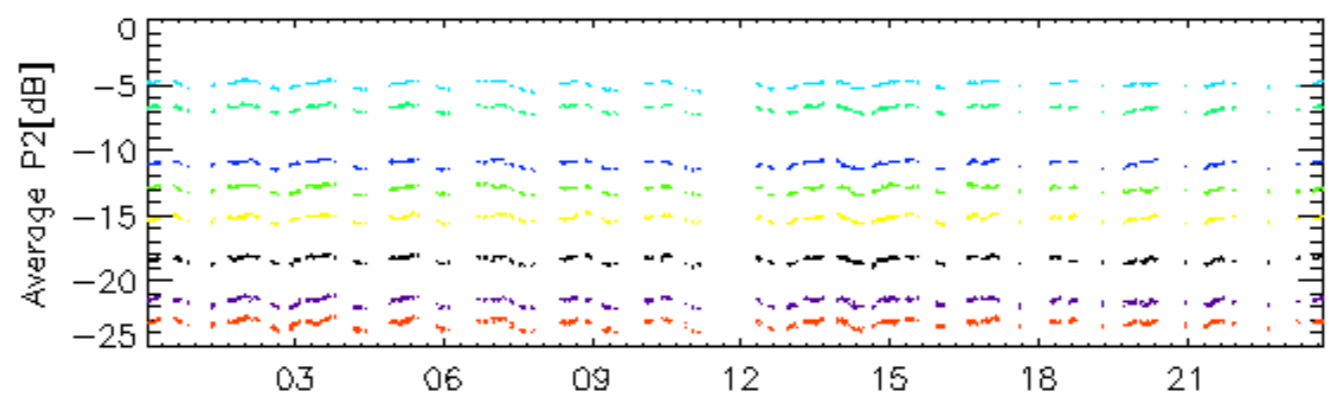
Calibration pulses for GM1 SS3 H/H



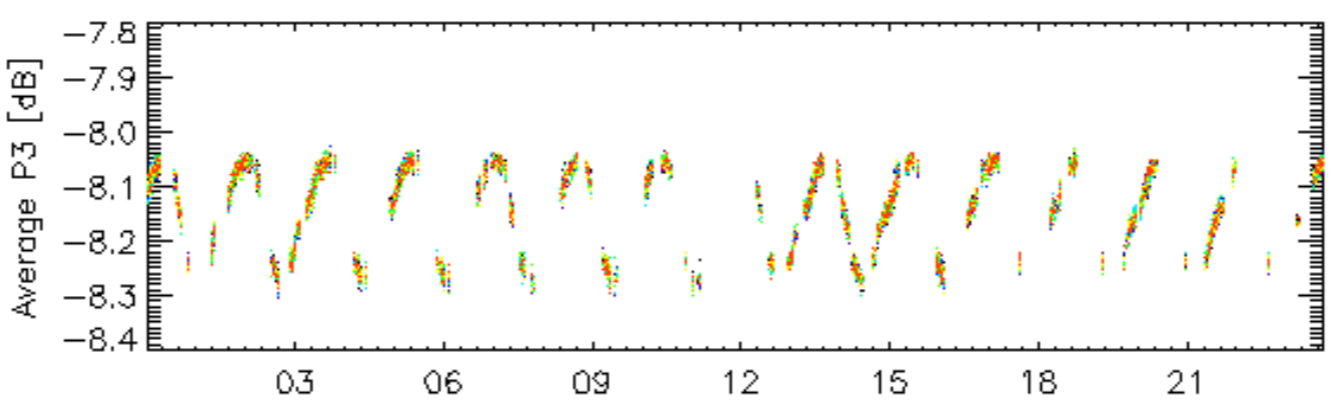
20-Jun



20-Jun



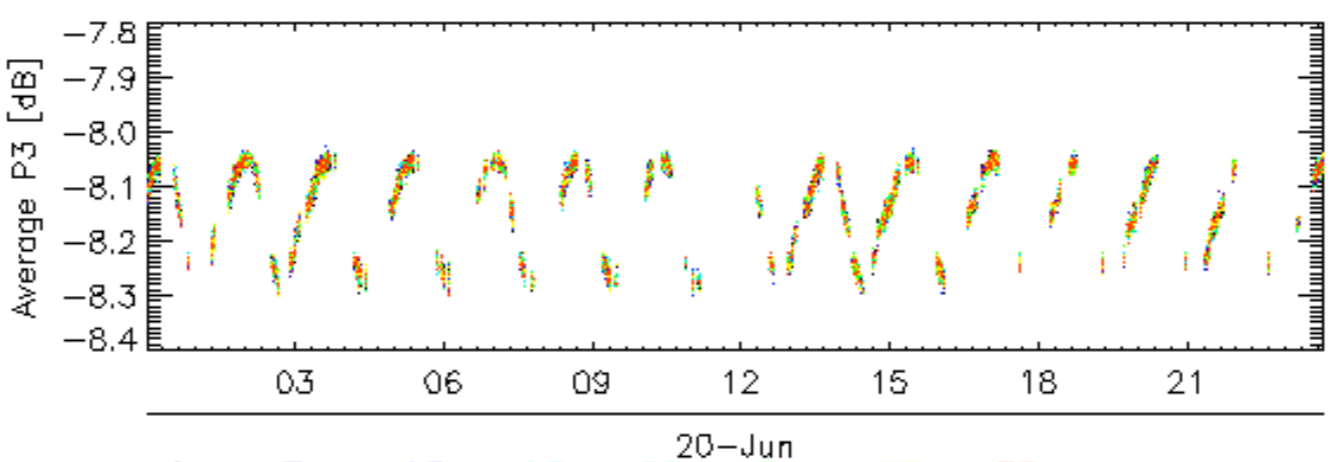
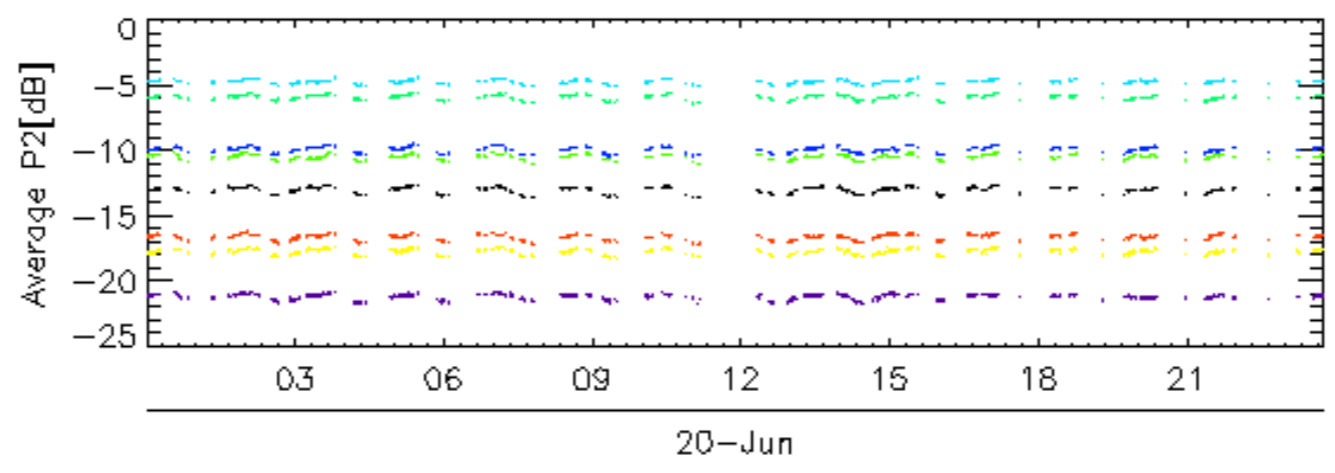
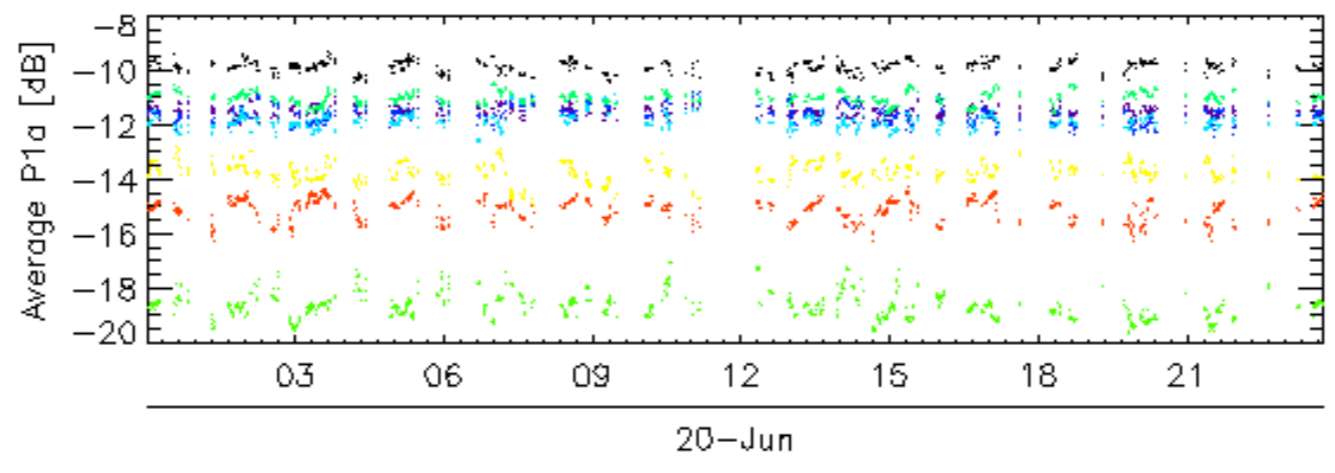
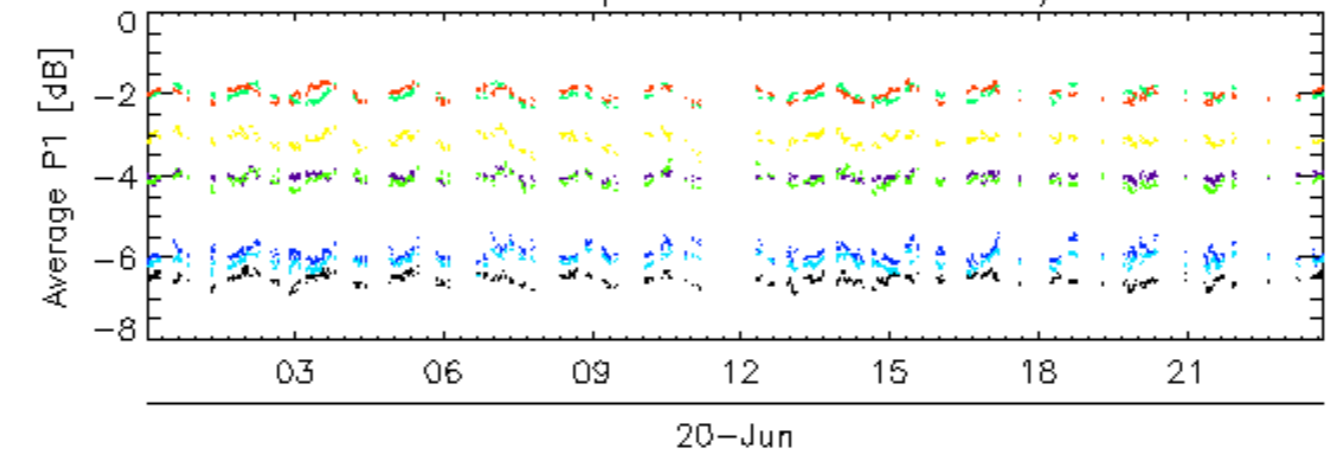
20-Jun



20-Jun

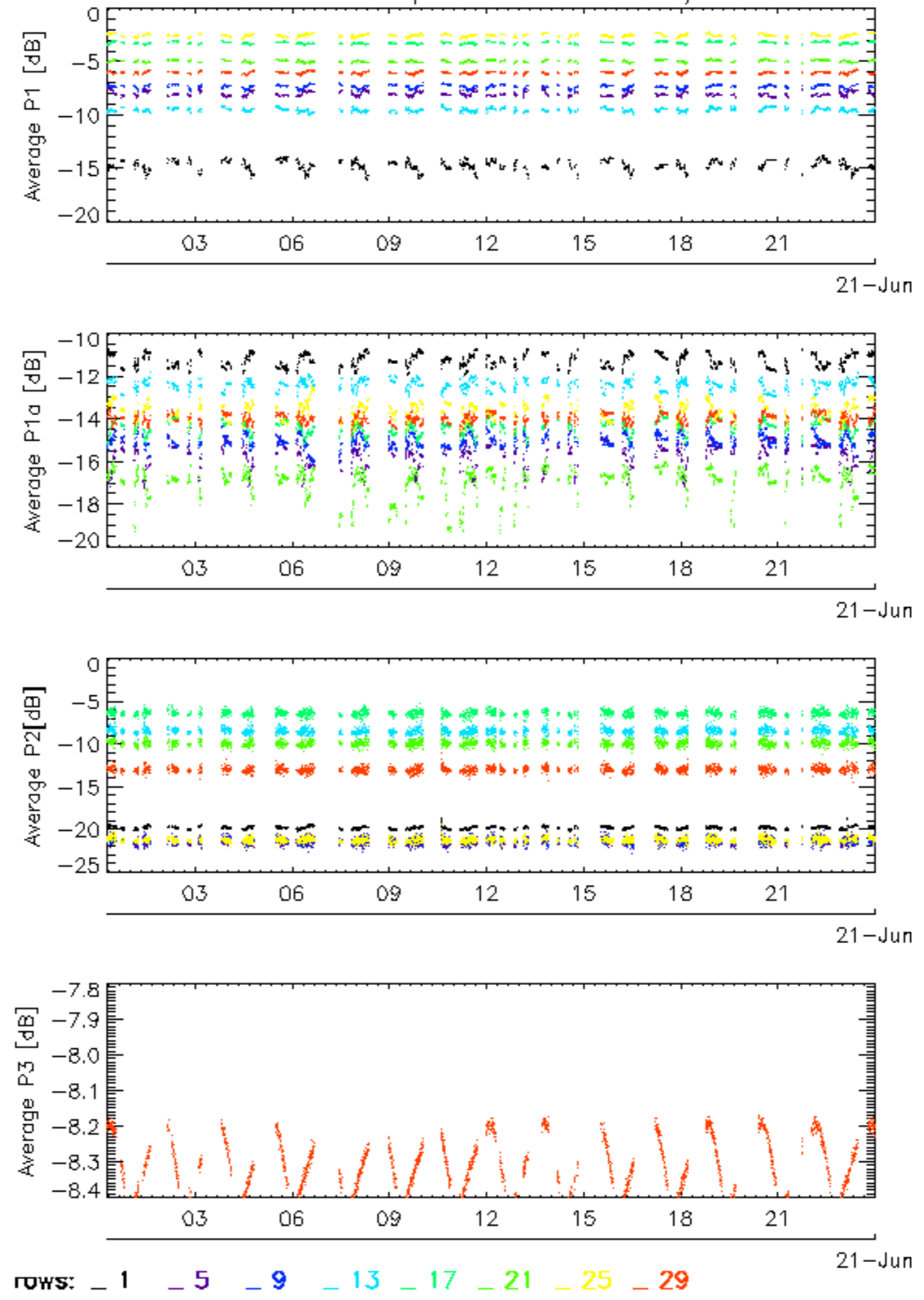
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

Calibration pulses for GM1 SS3 H/H

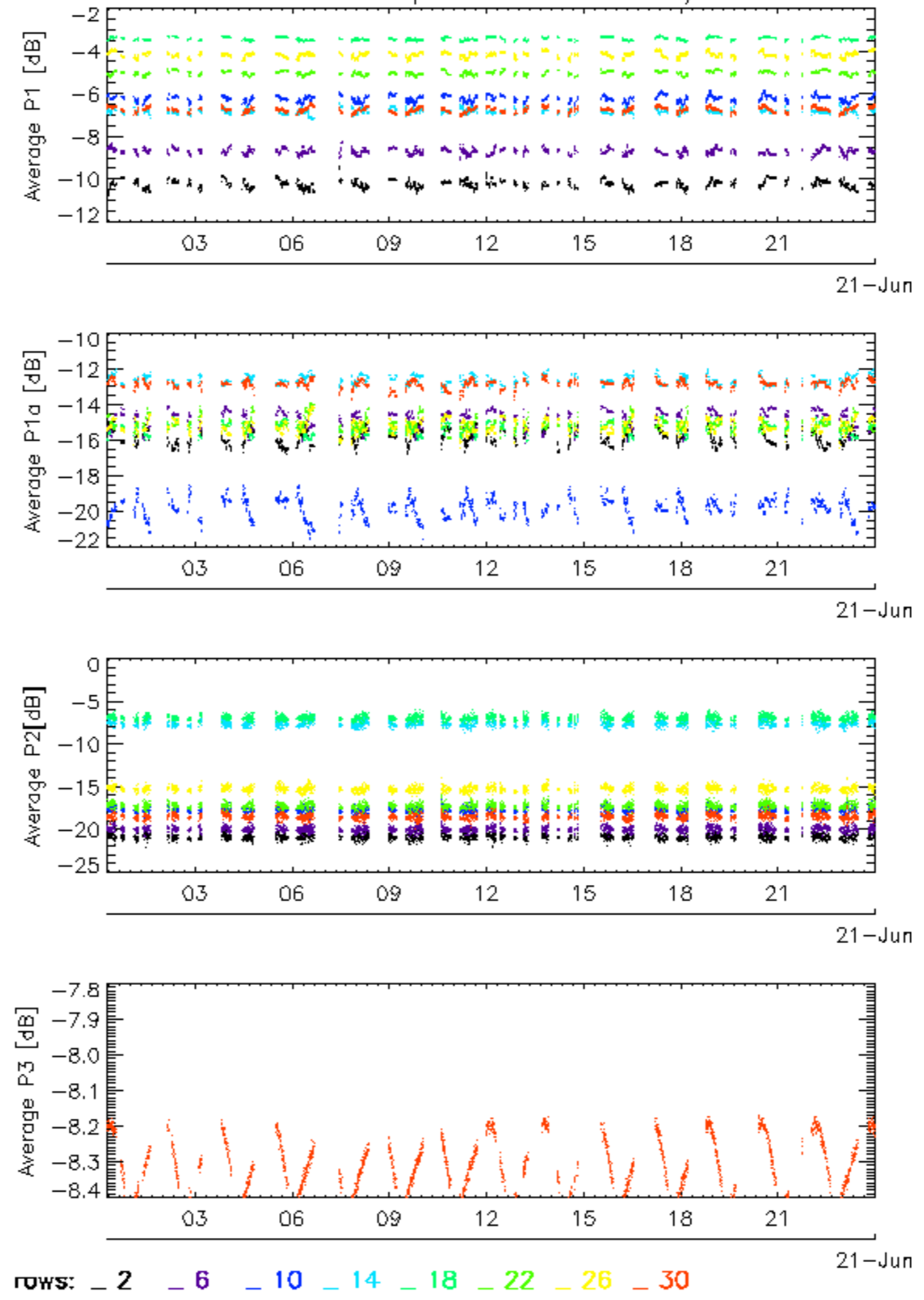


rows: 4 8 12 16 20 24 28 32

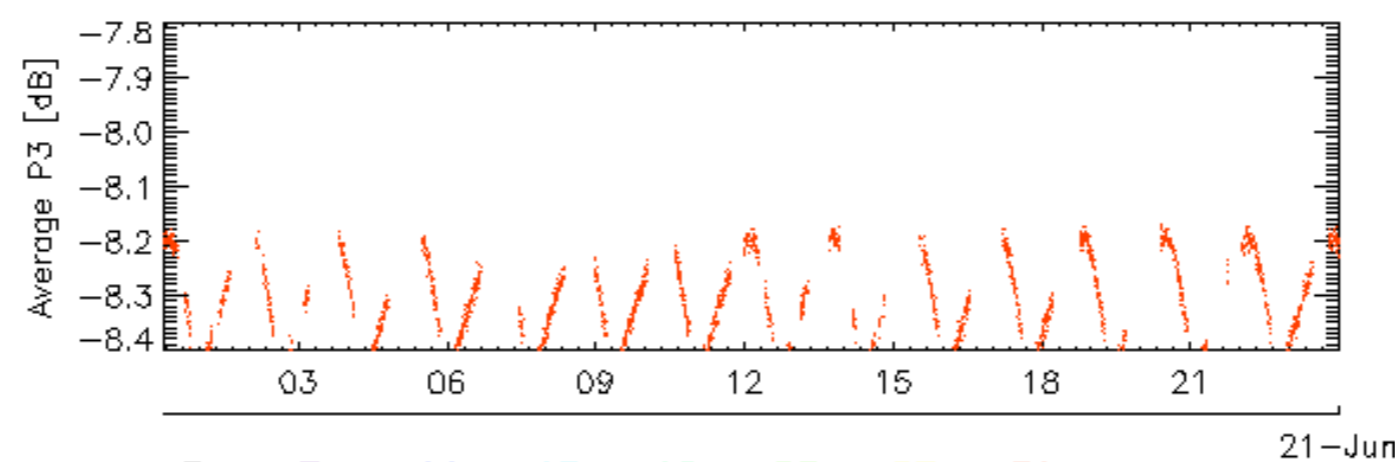
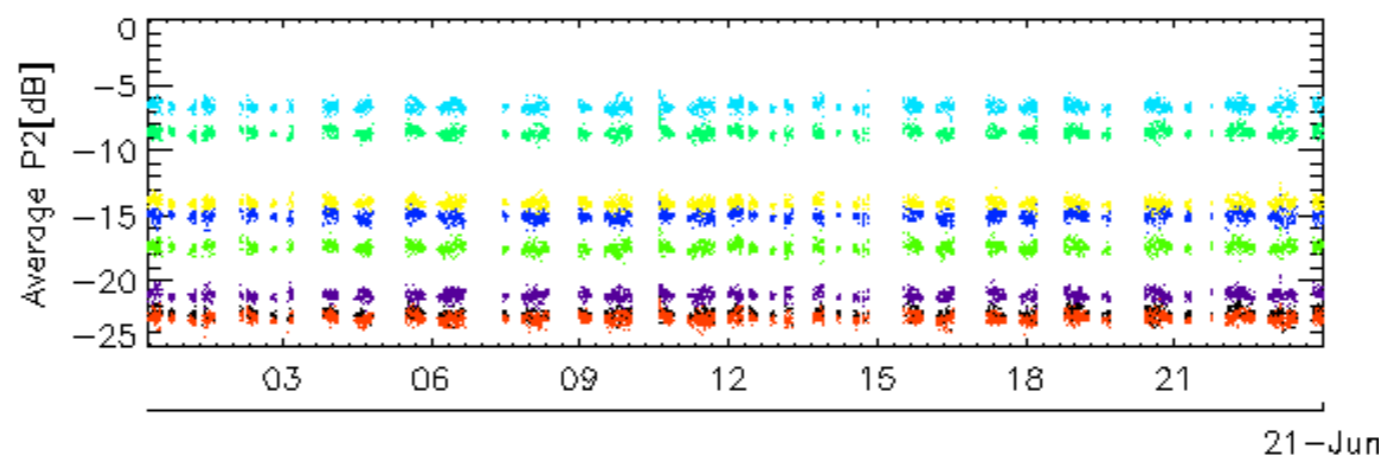
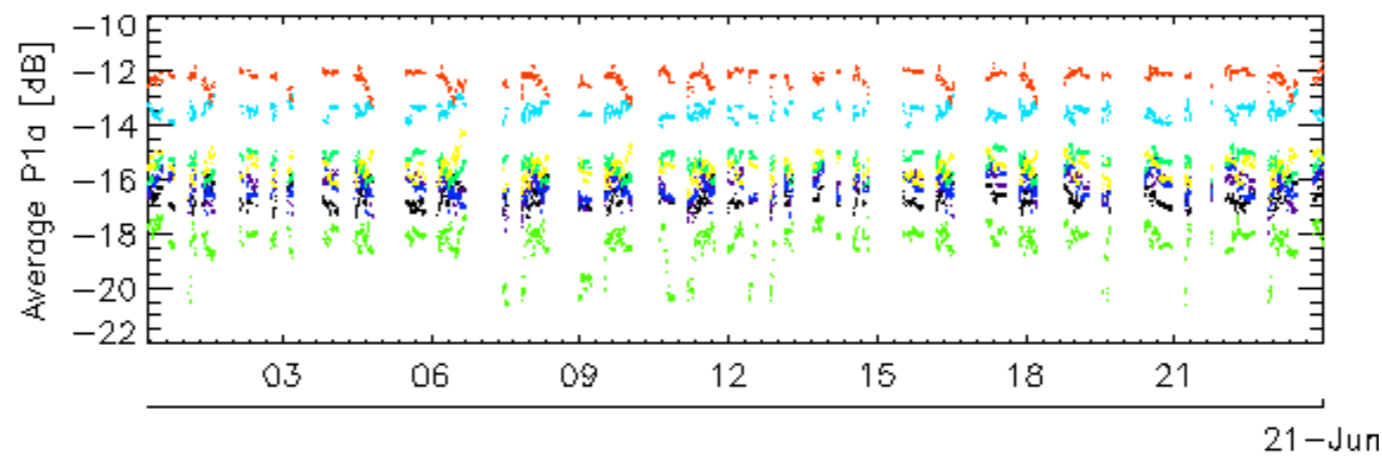
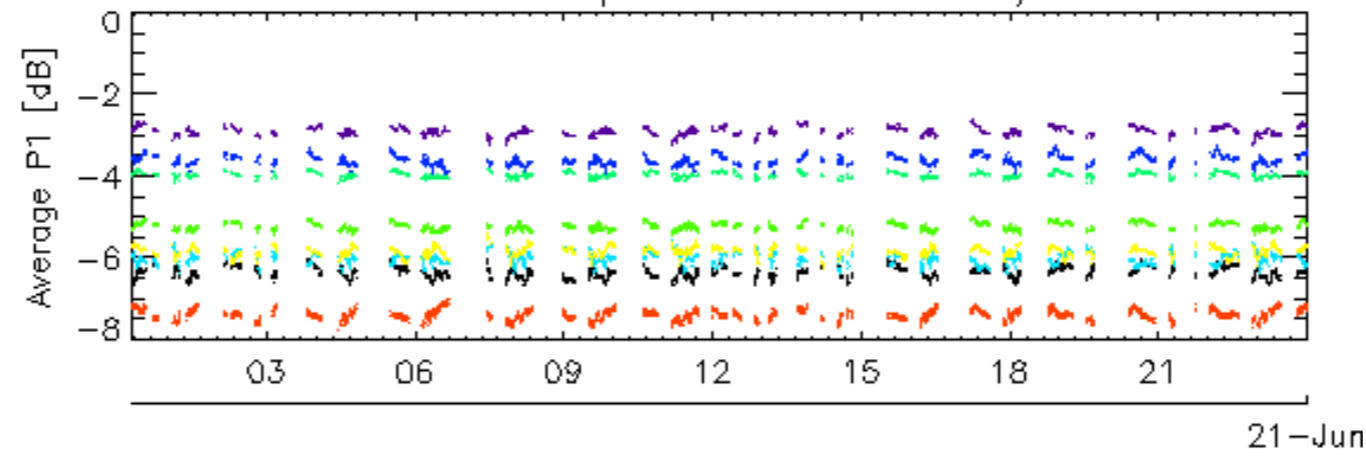
Calibration pulses for WVS IS2 V/V



Calibration pulses for WVS IS2 V/V

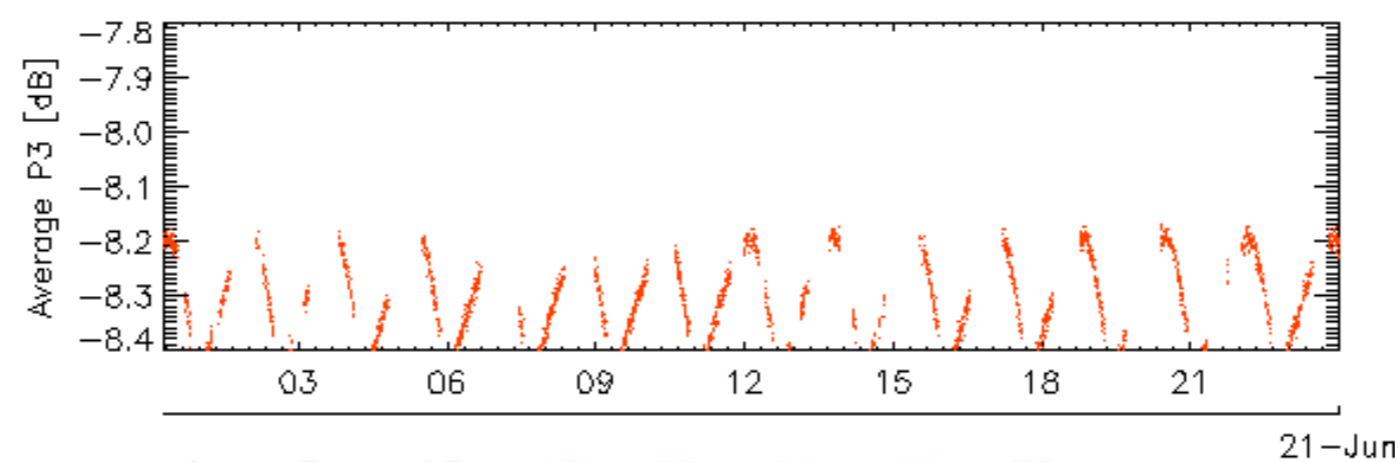
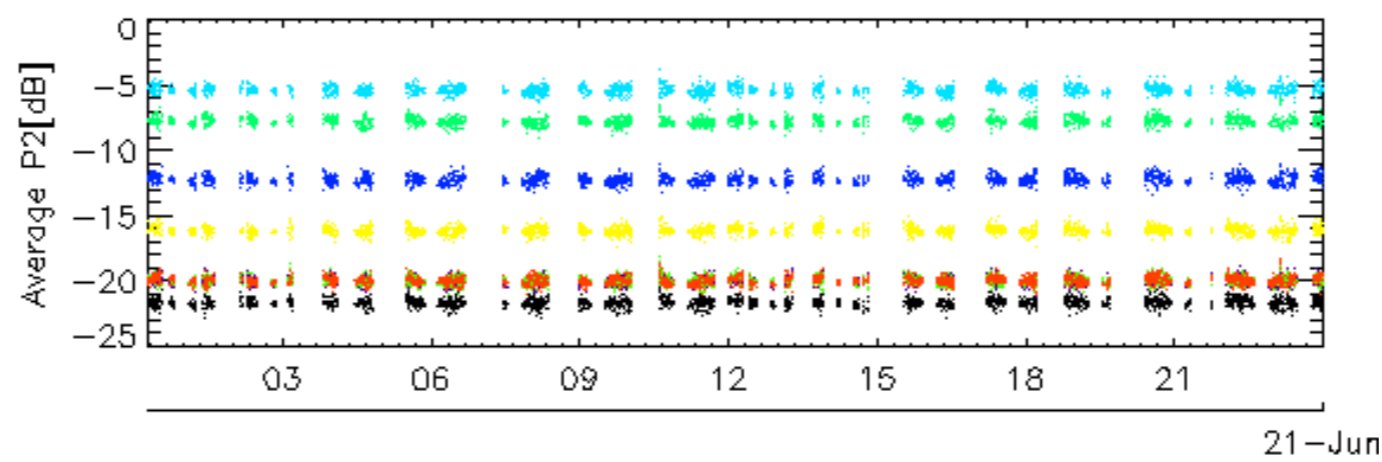
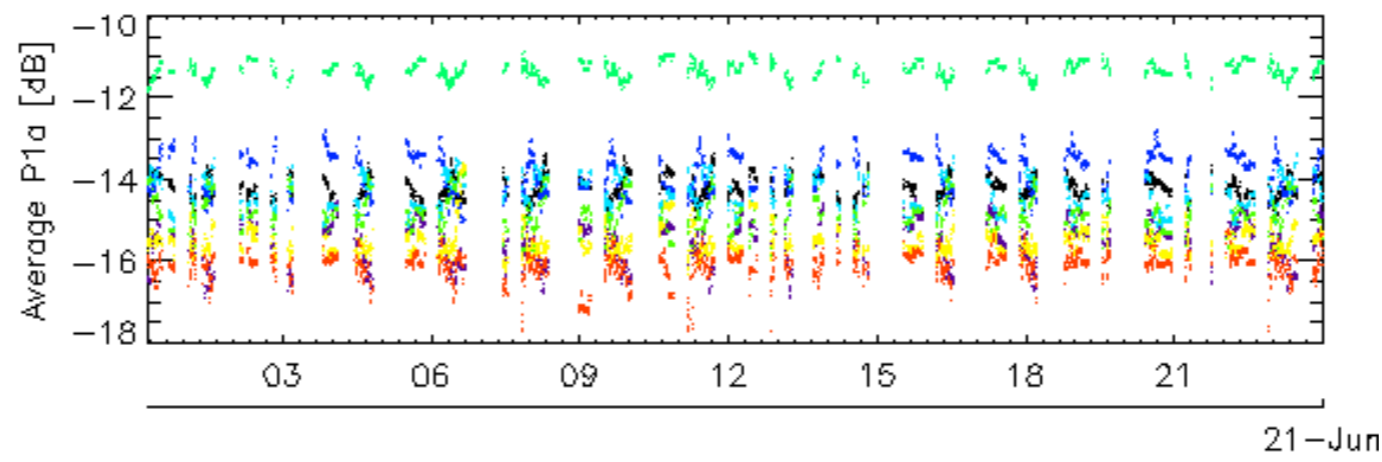
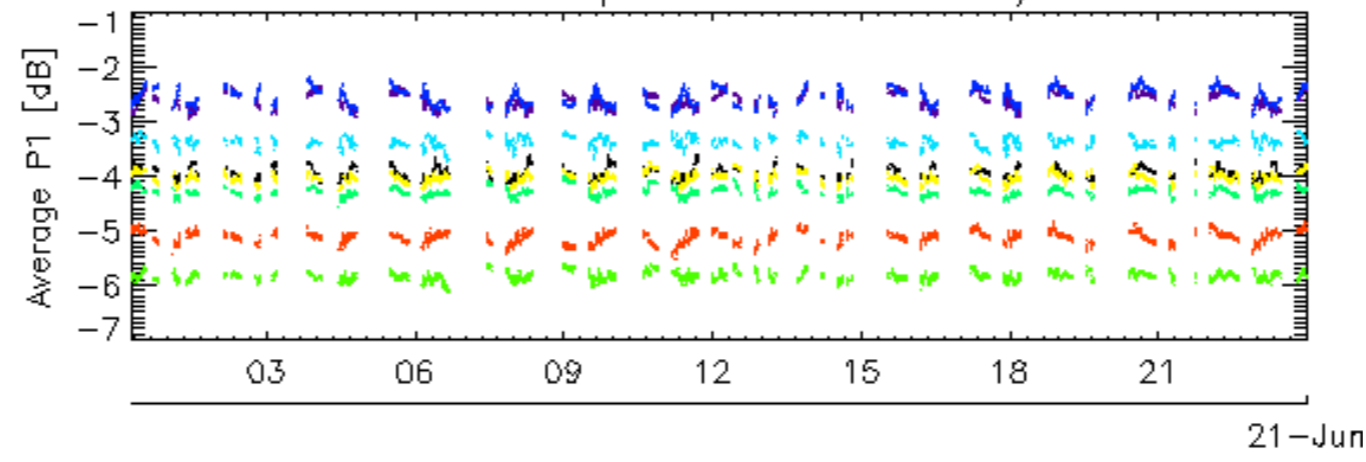


Calibration pulses for WVS IS2 V/V

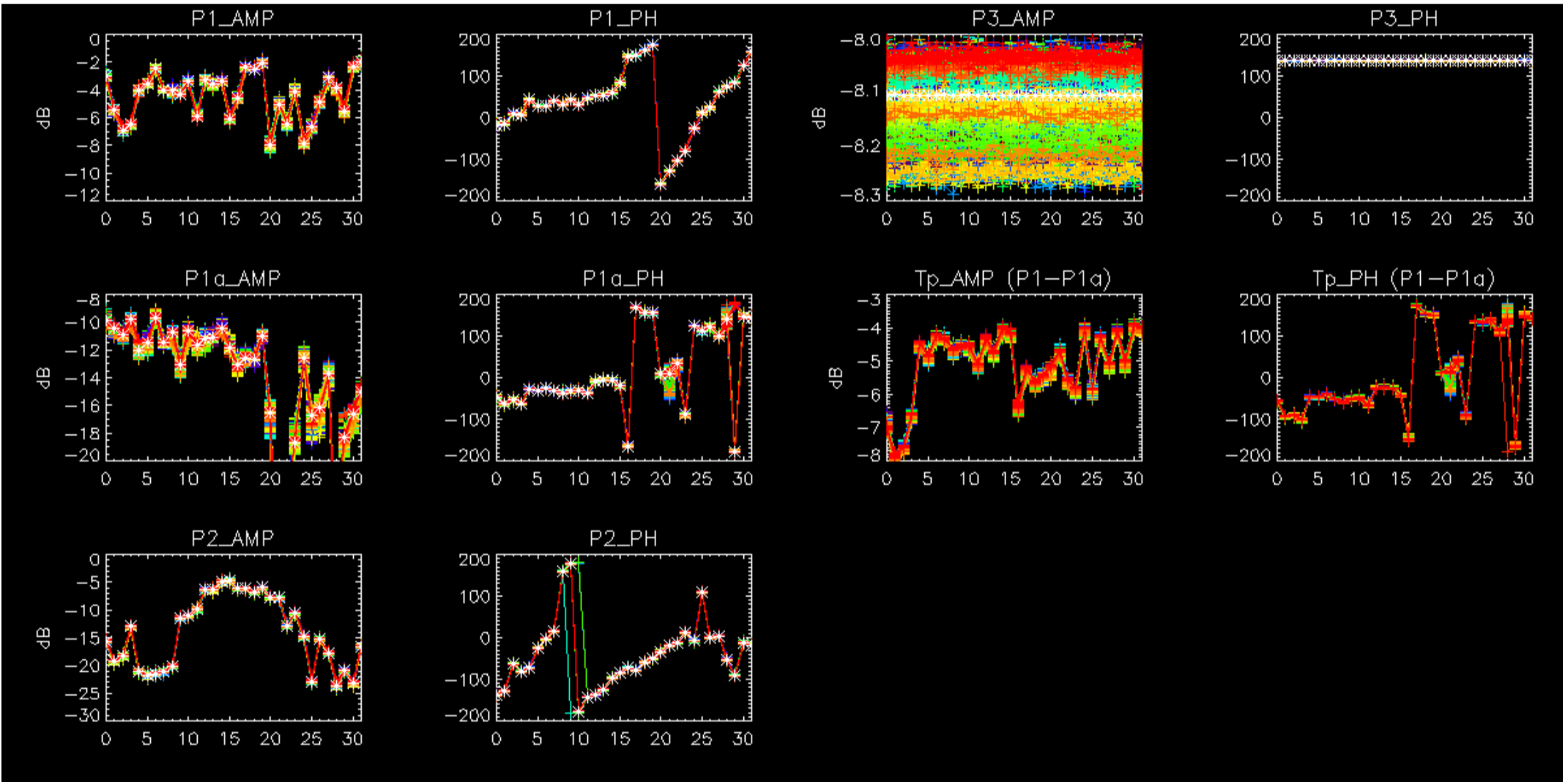


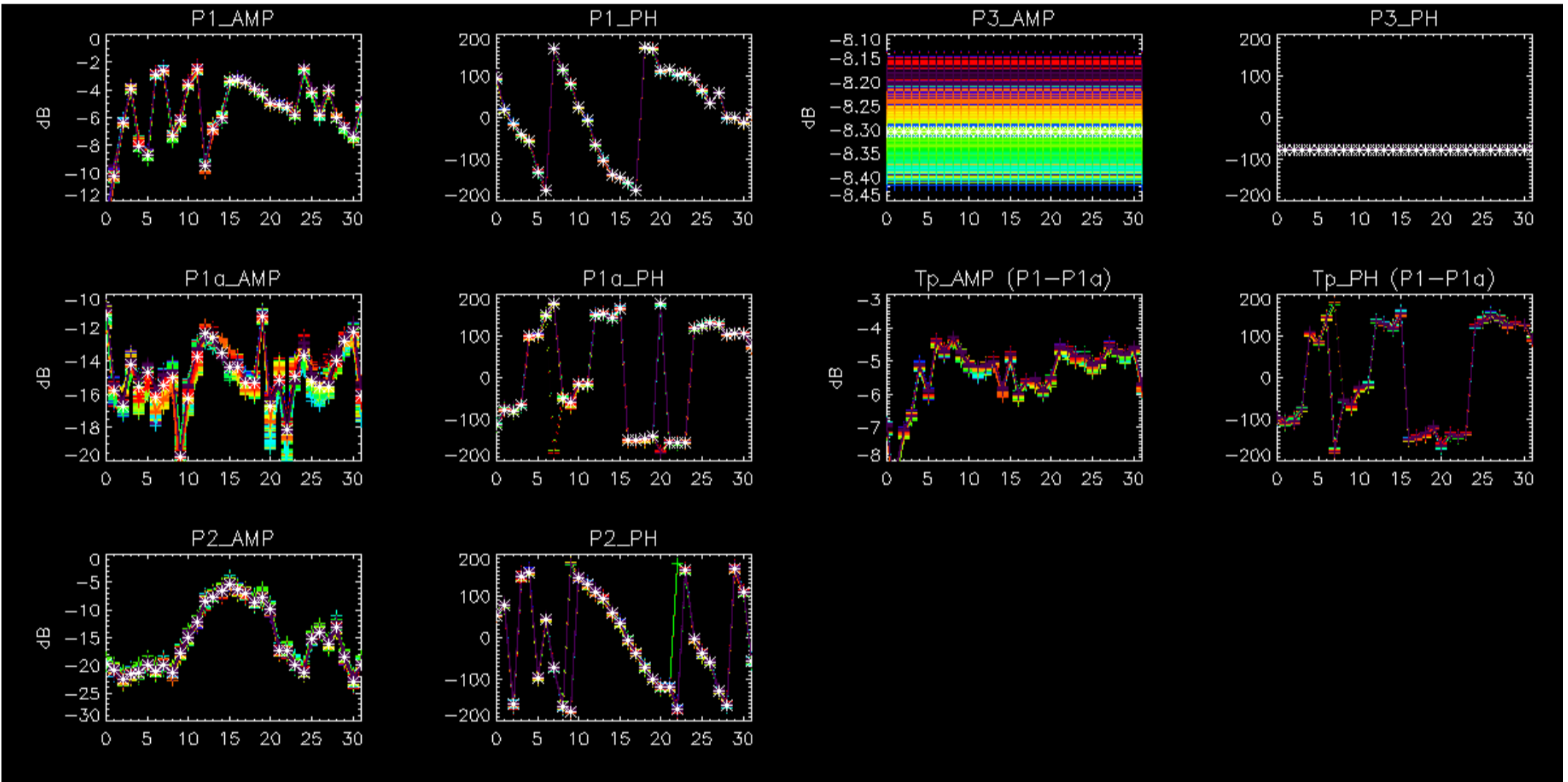
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

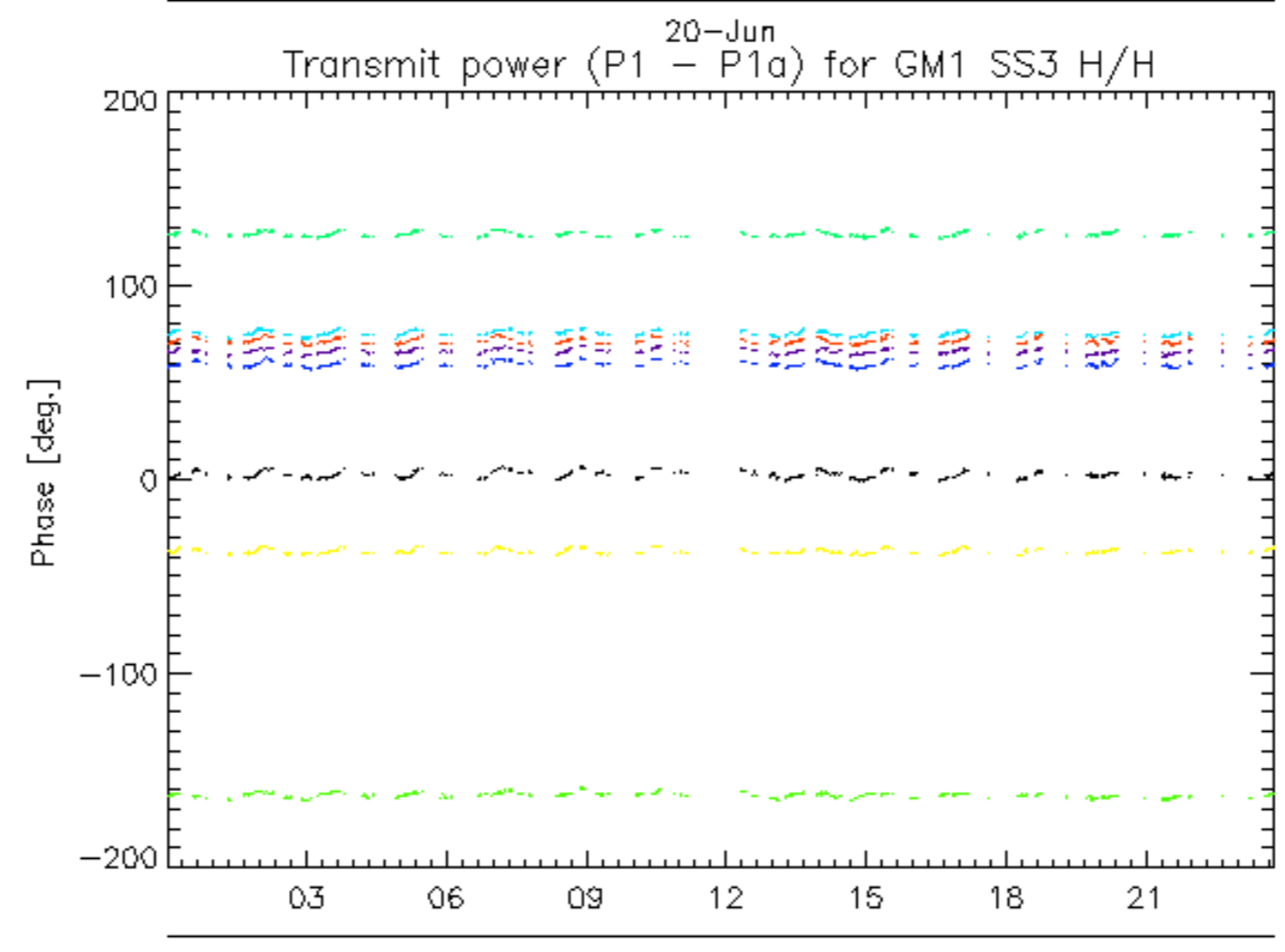
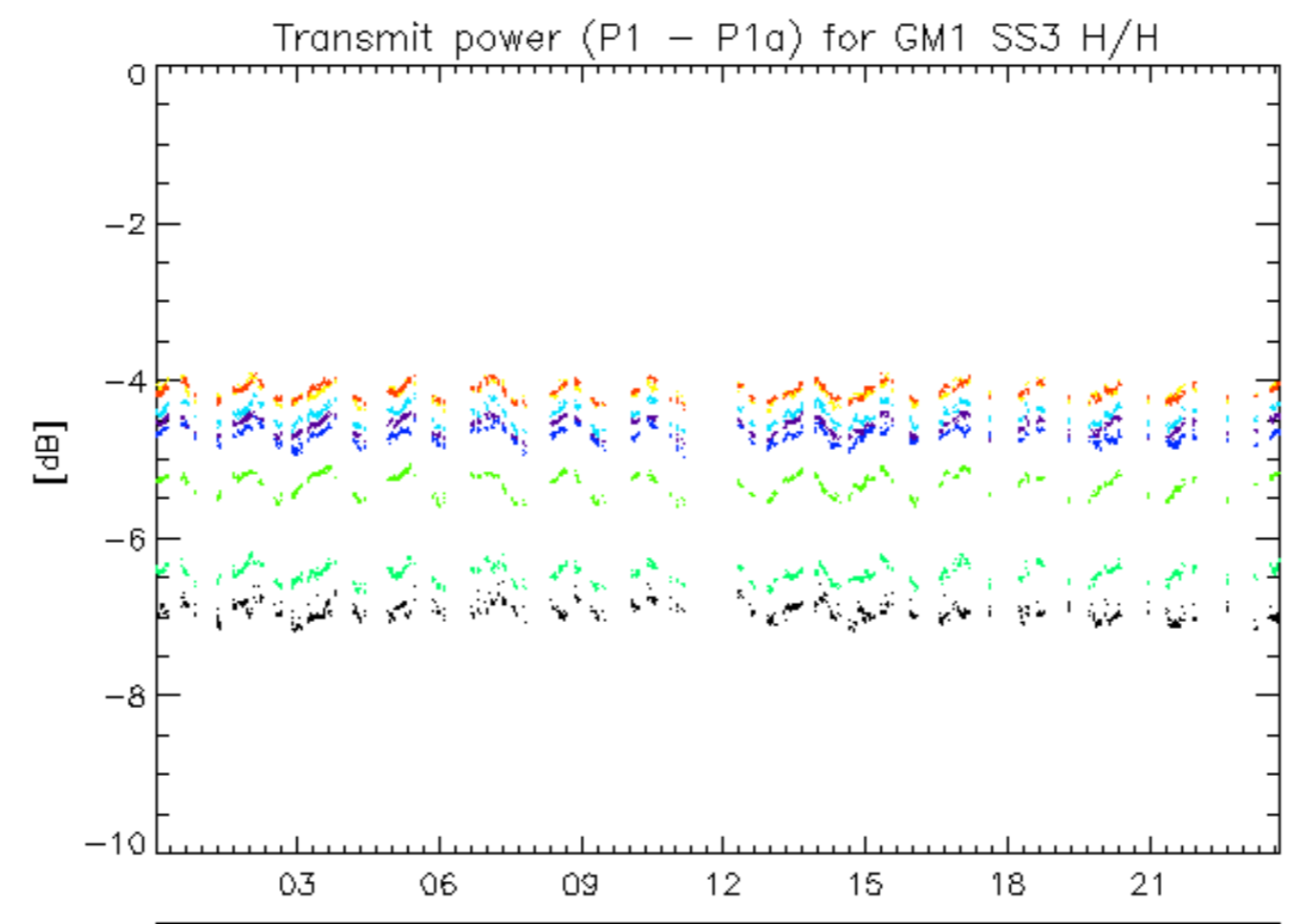
Calibration pulses for WVS IS2 V/V



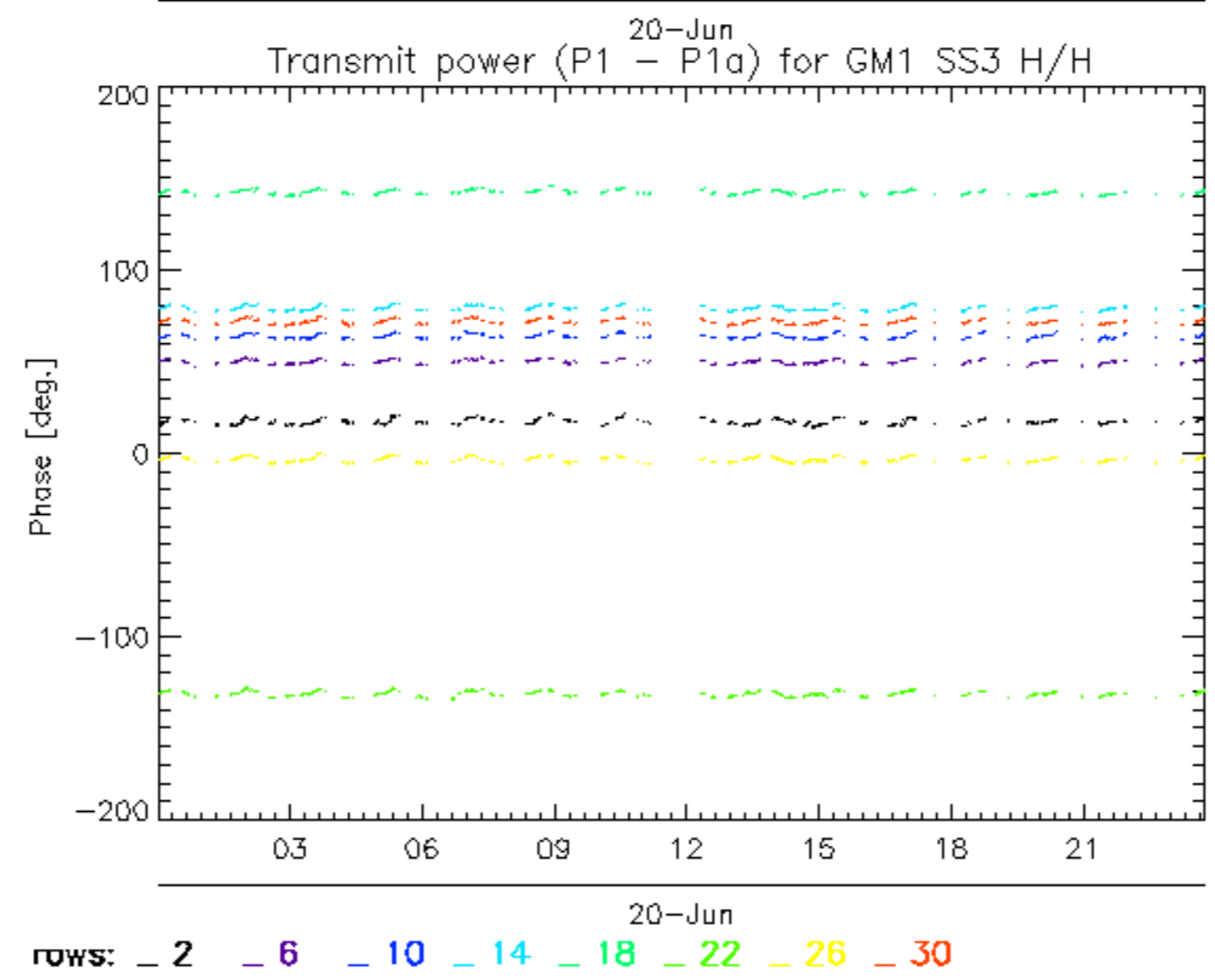
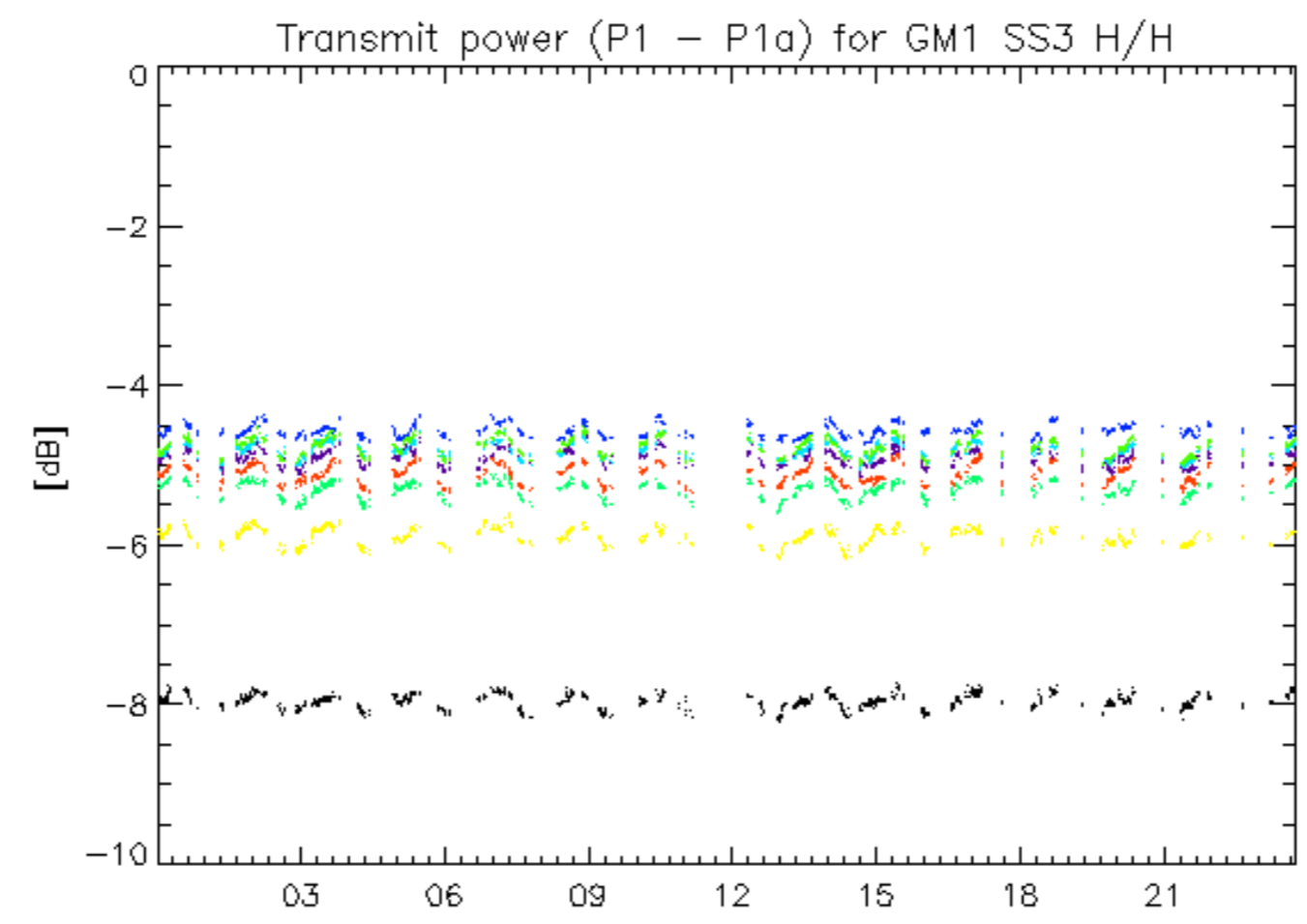
rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

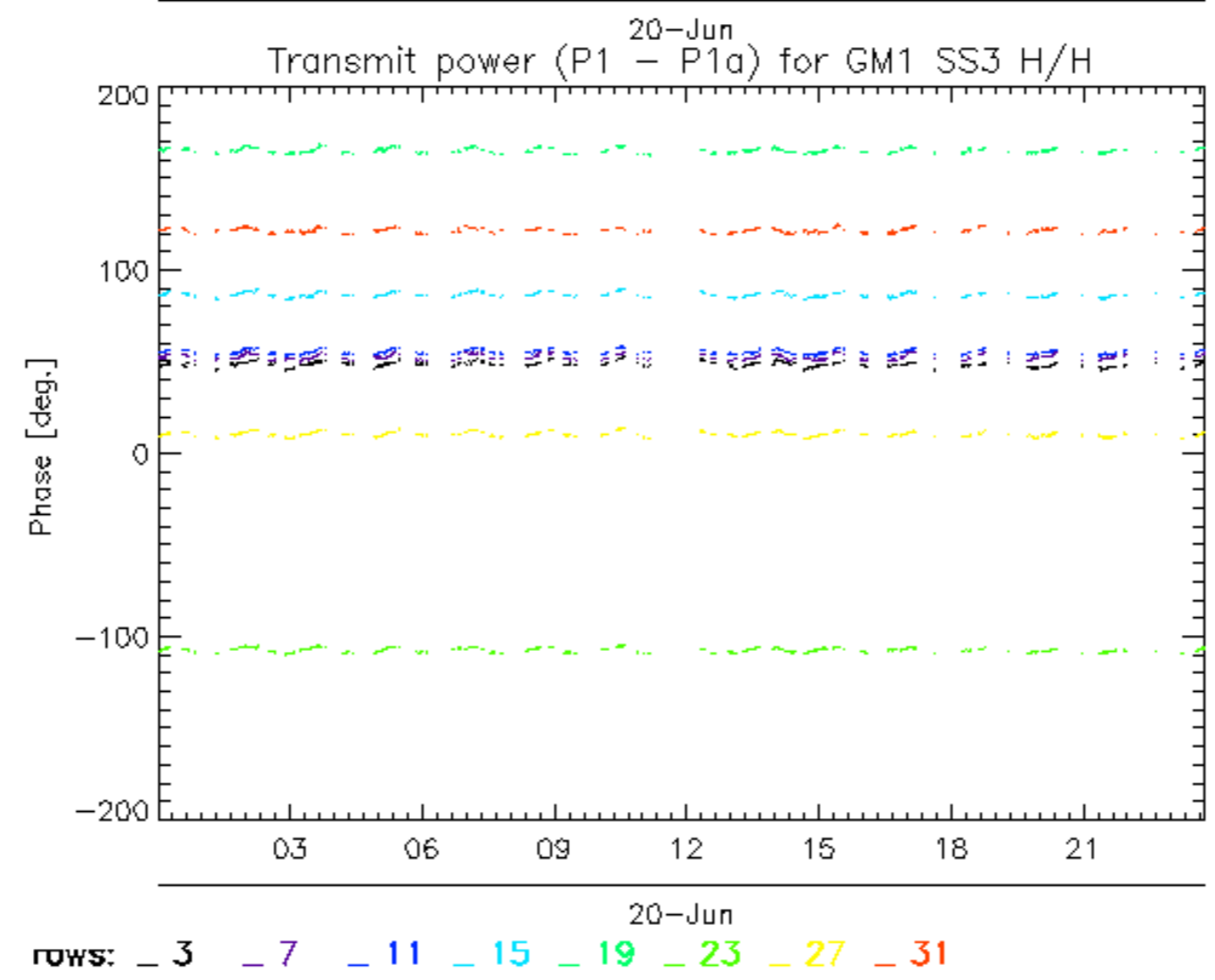
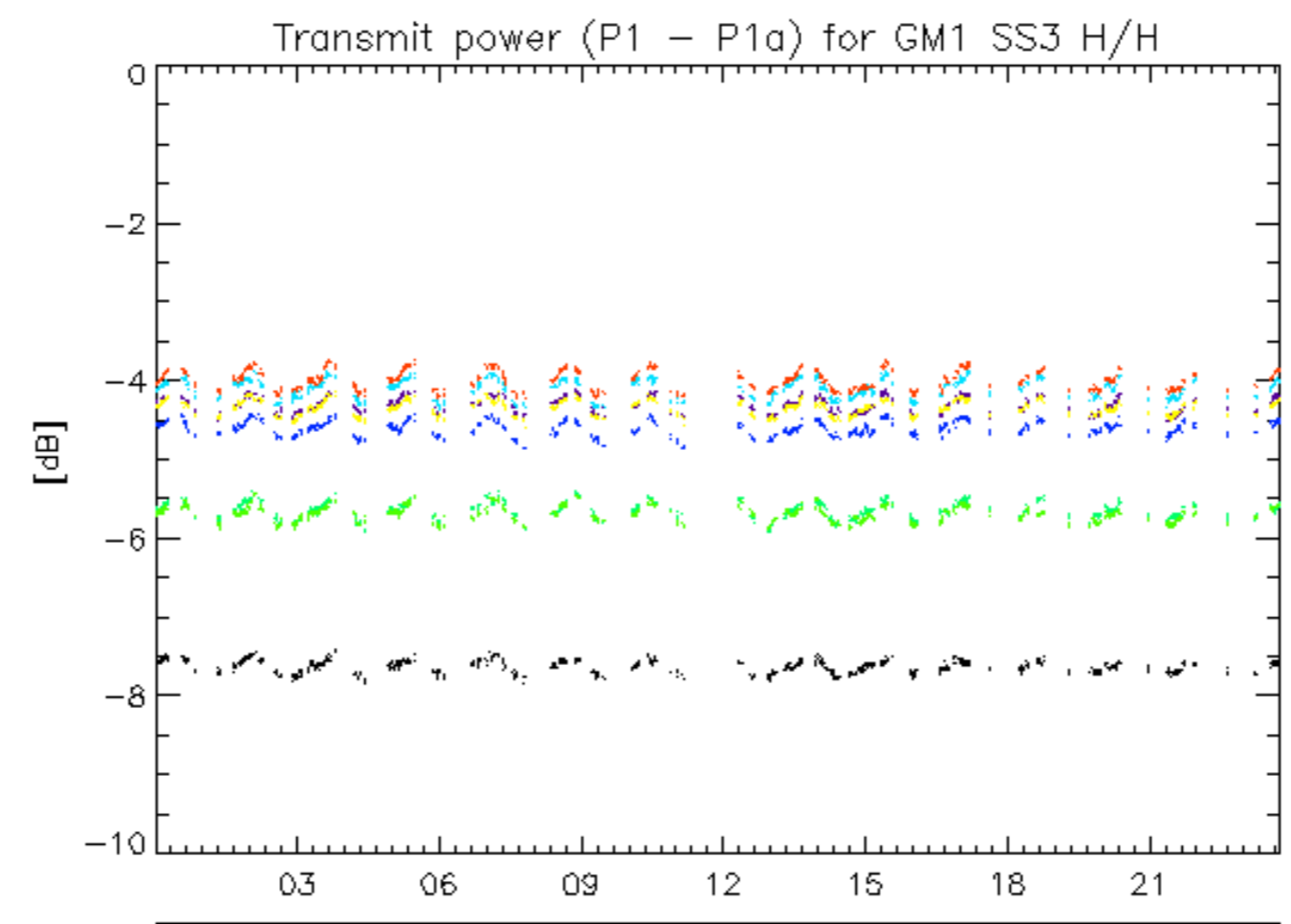


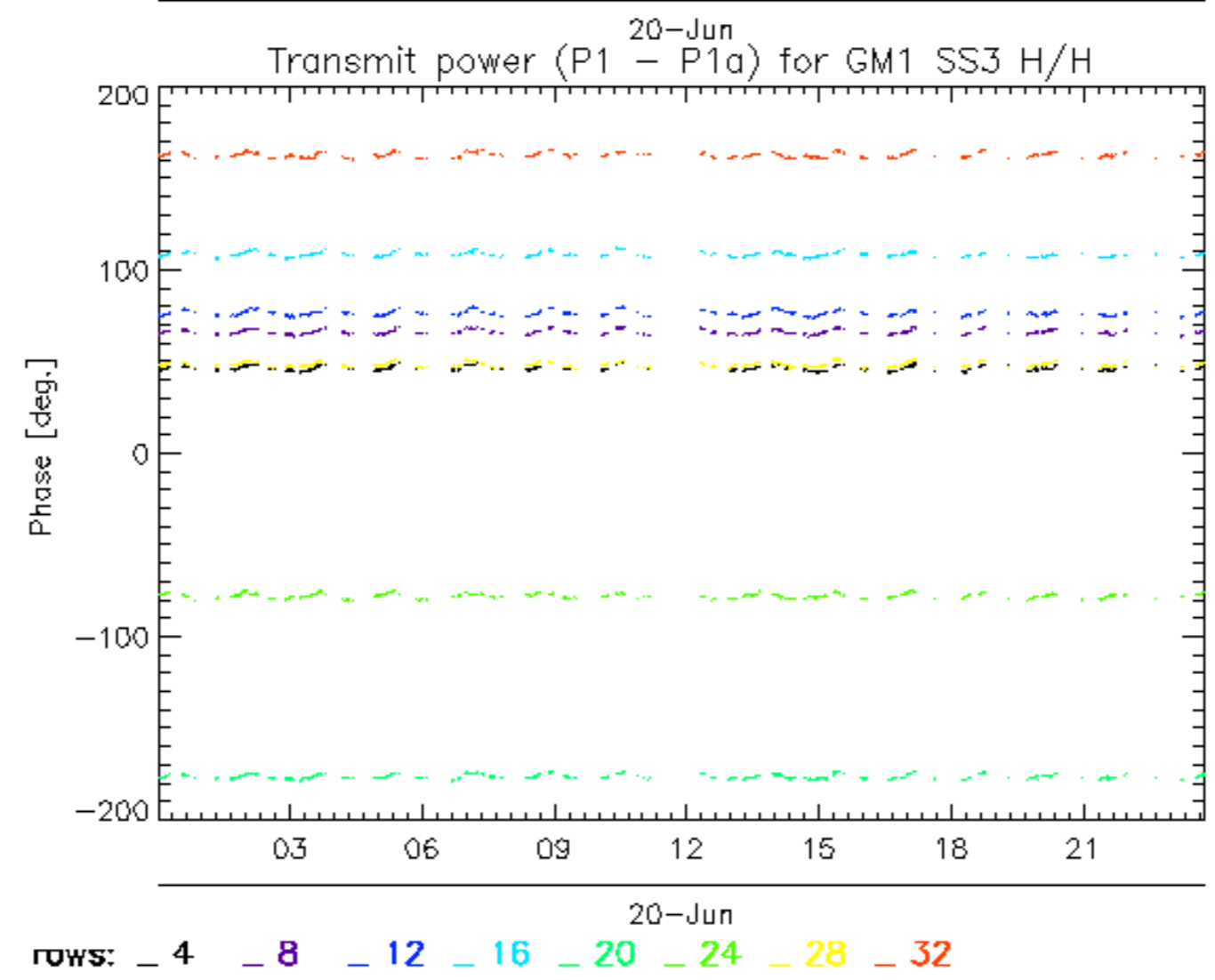
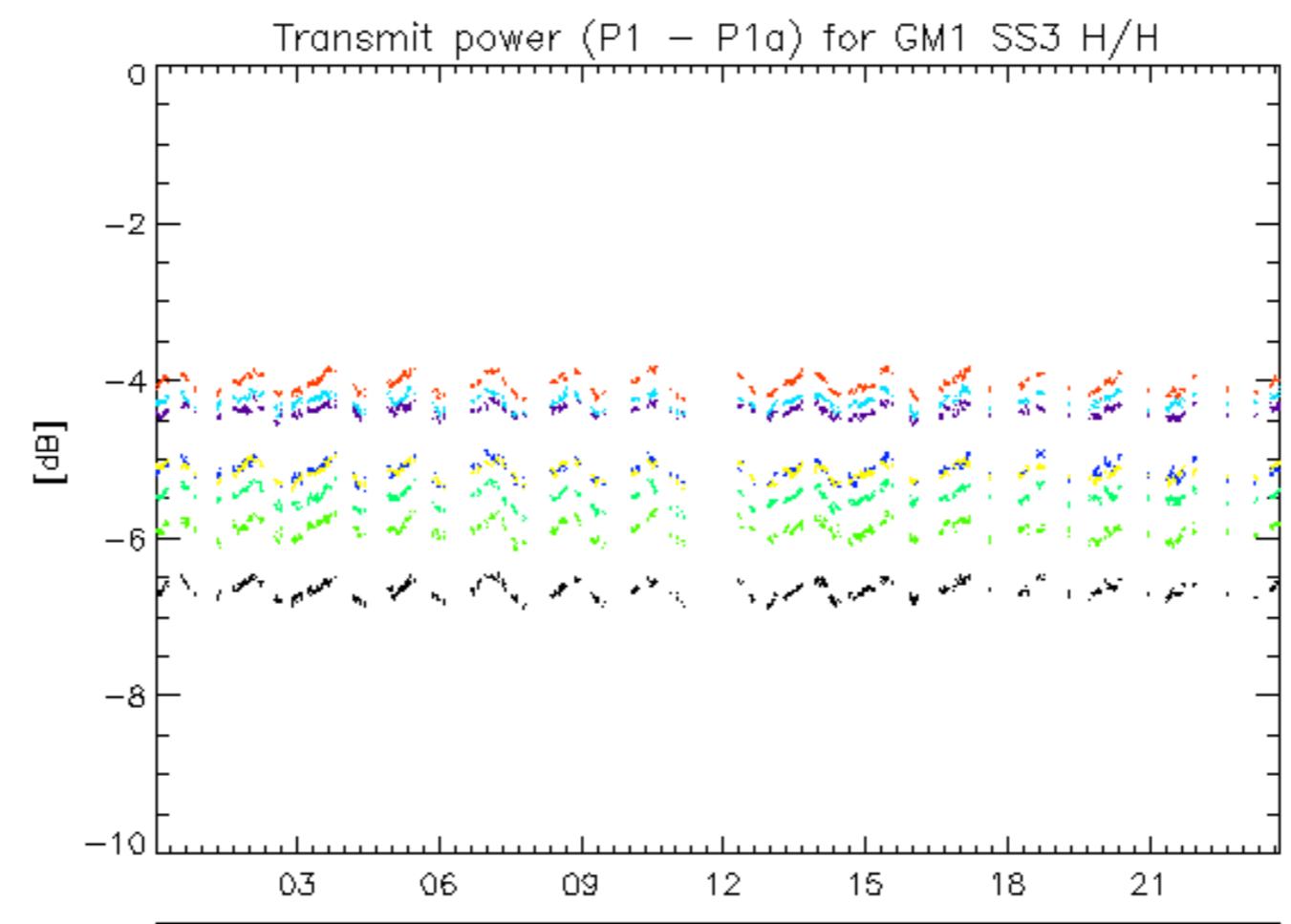


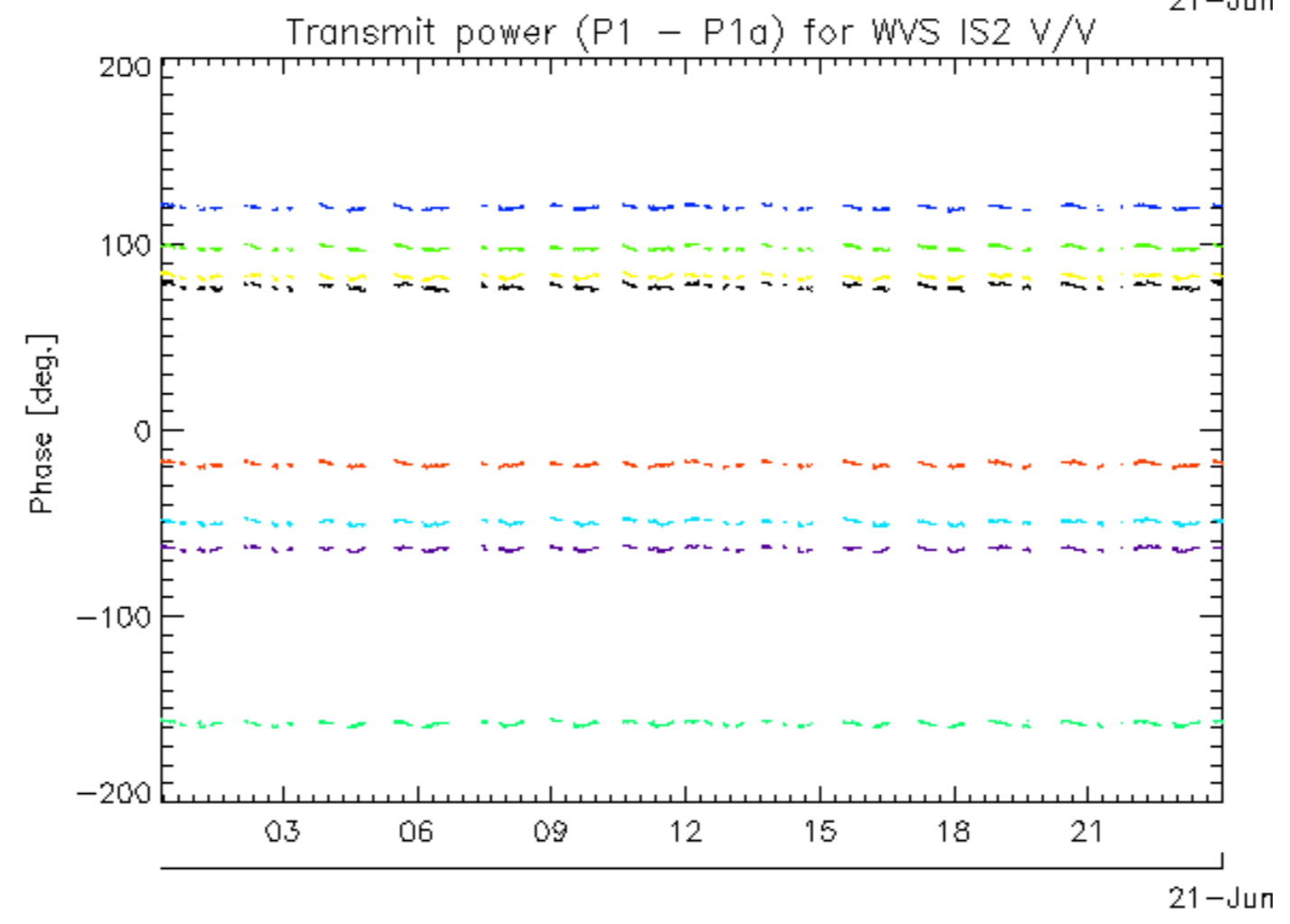
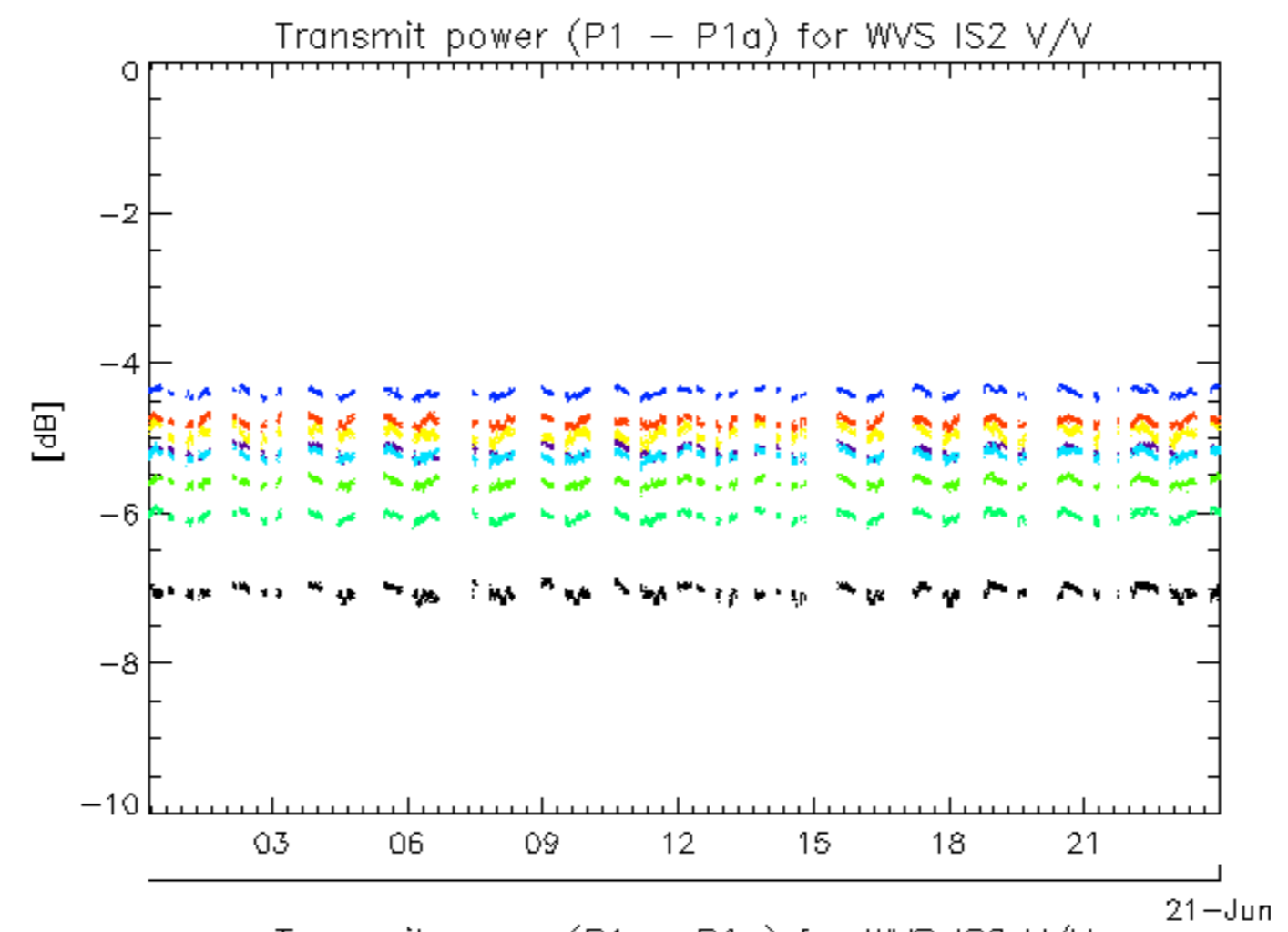


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rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

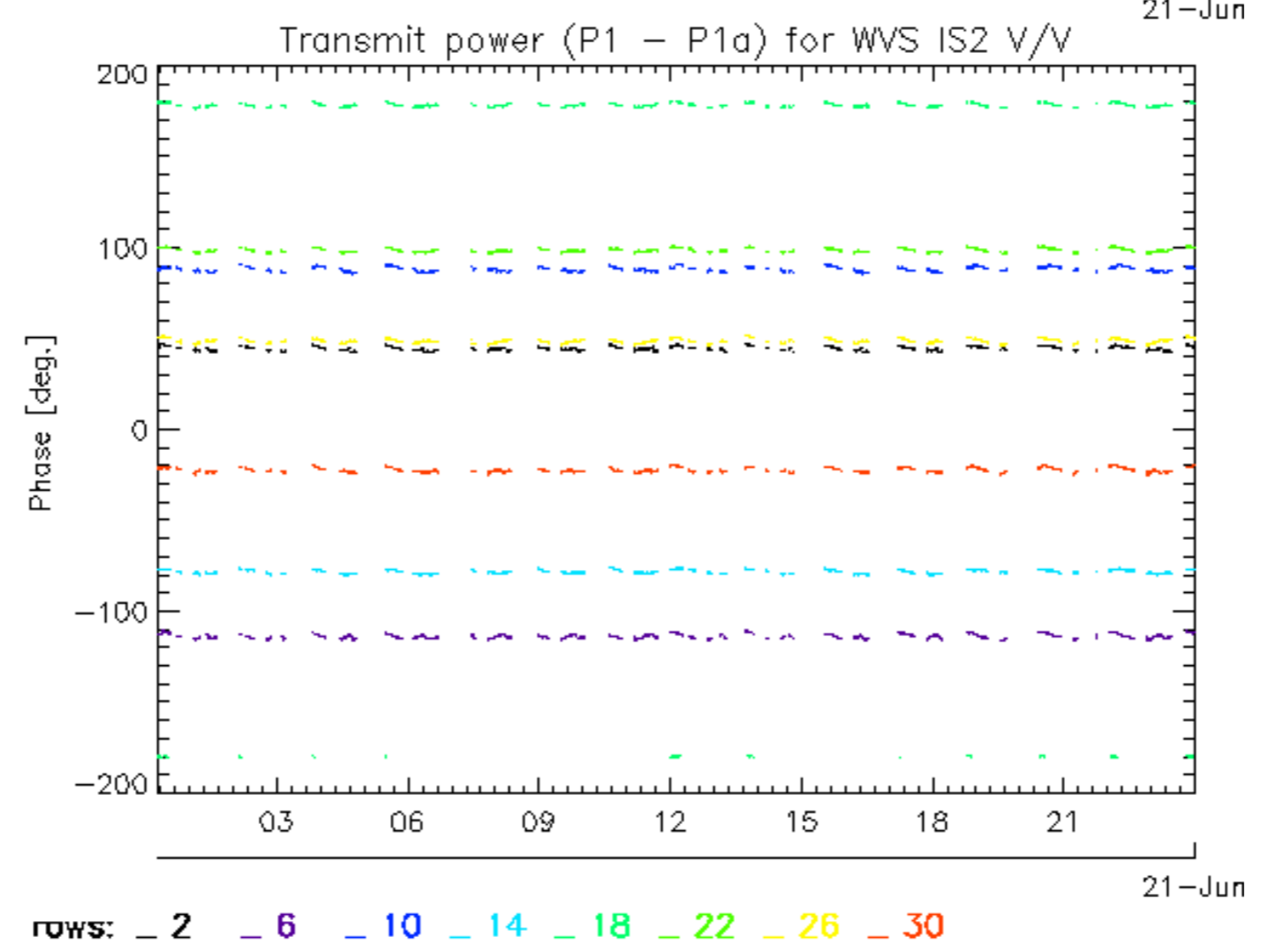
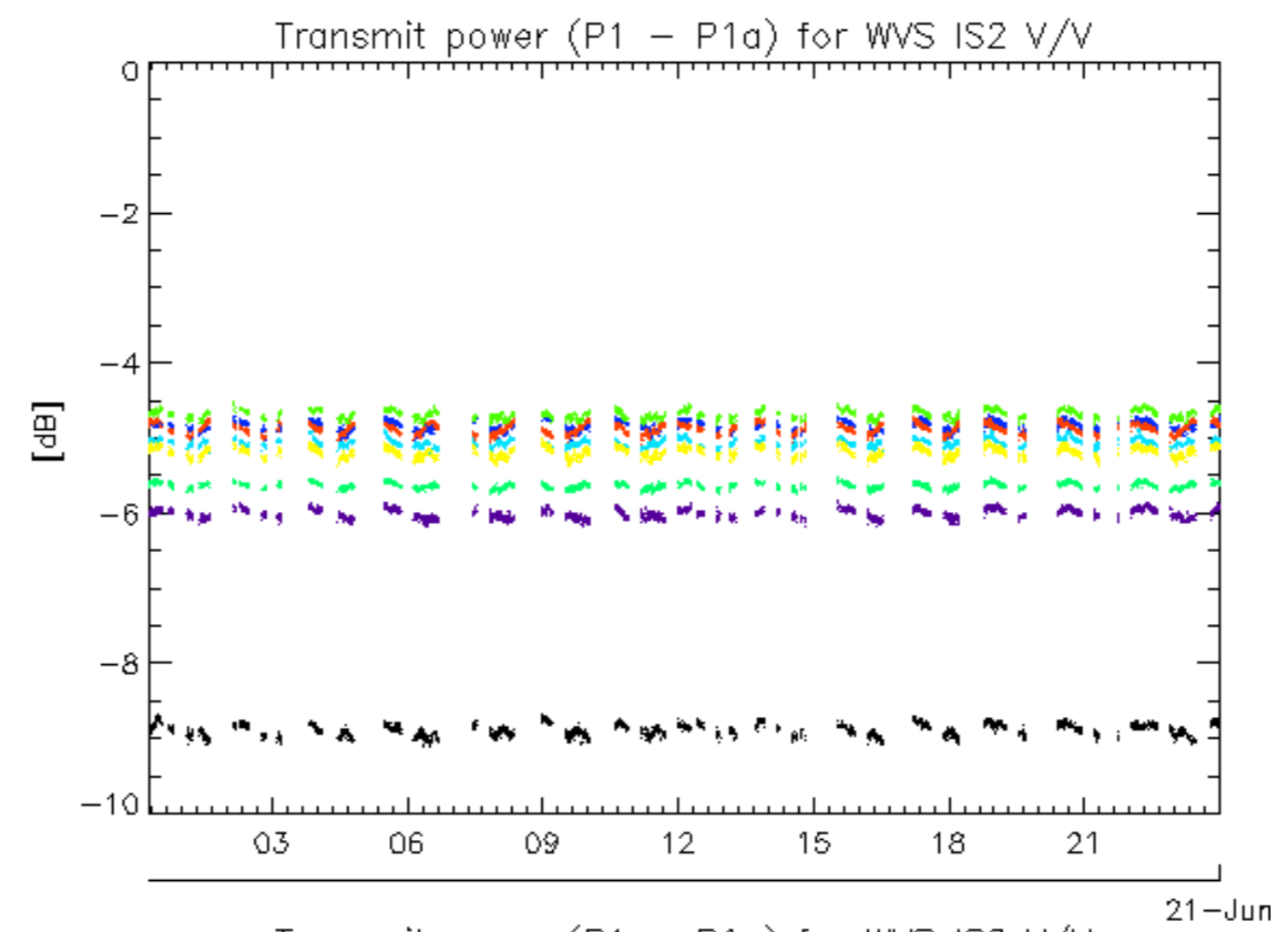


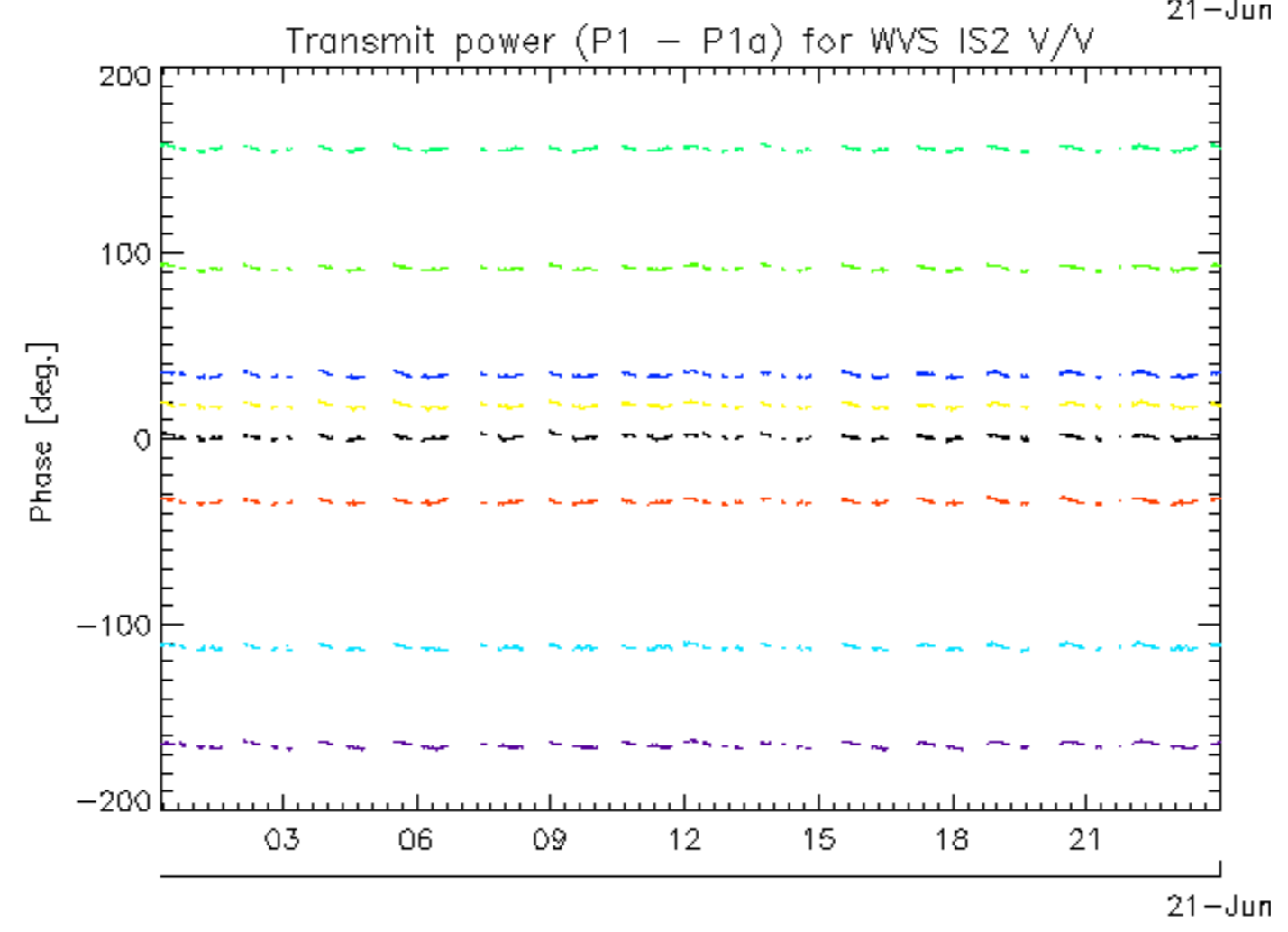
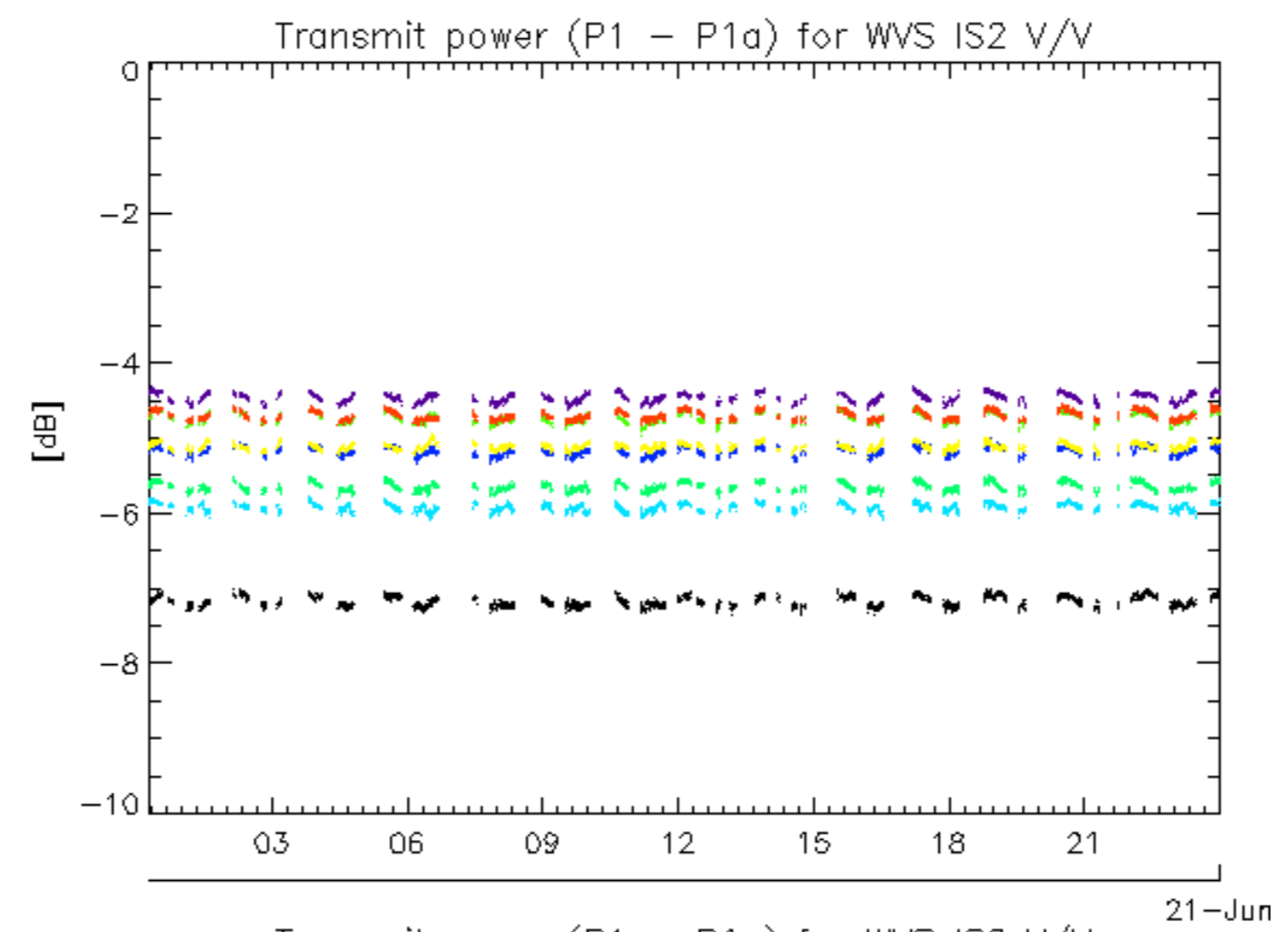




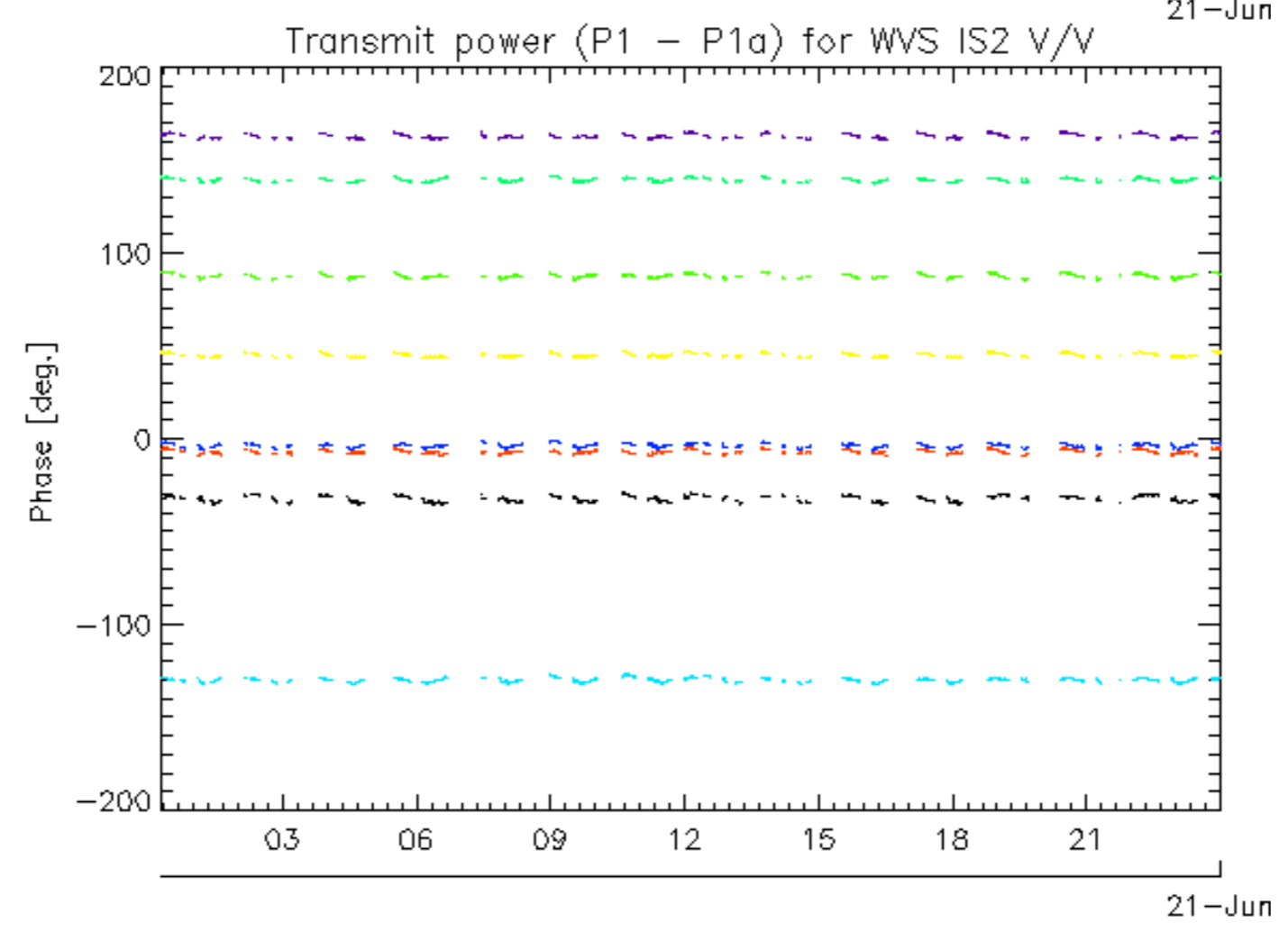
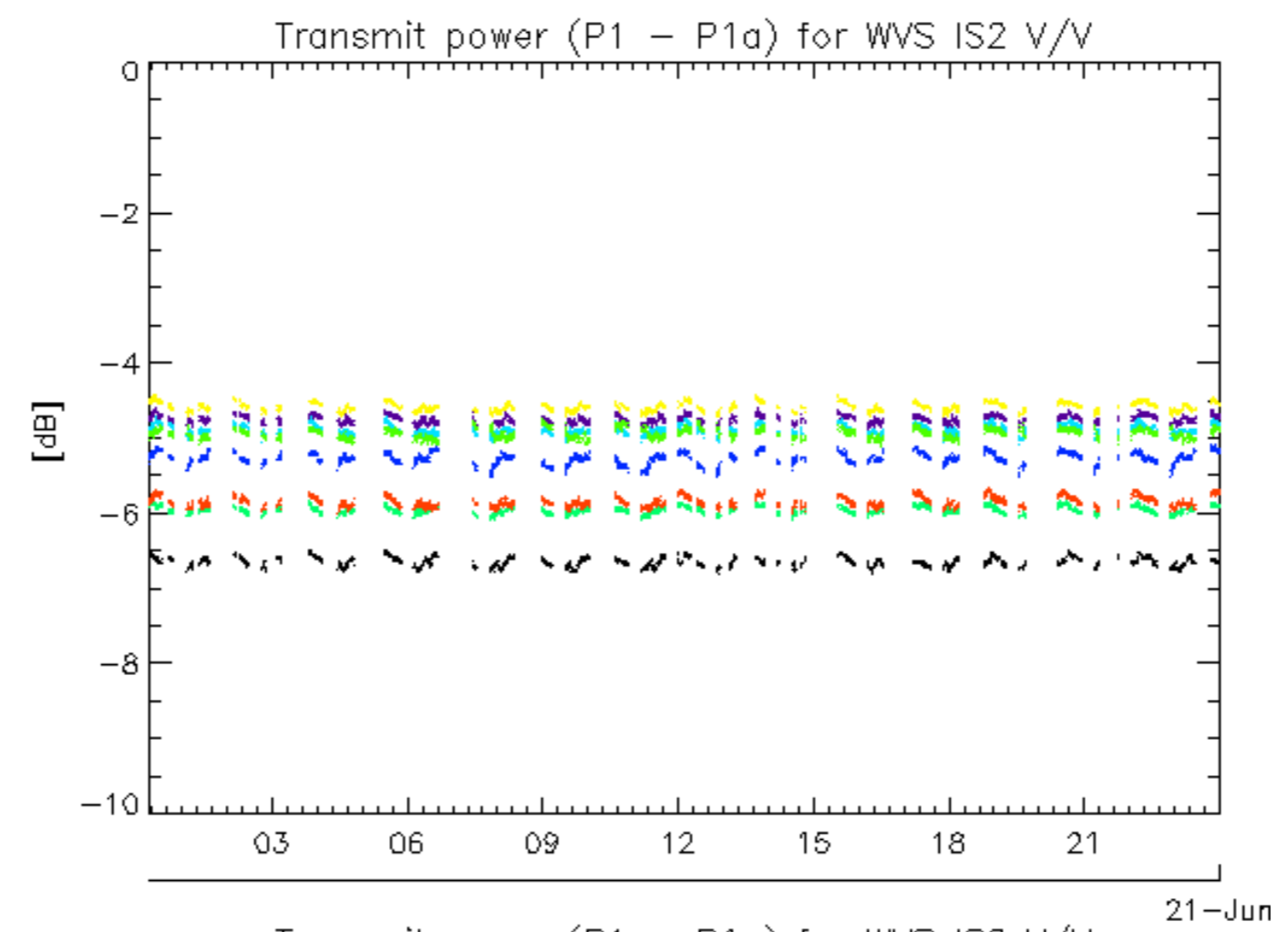


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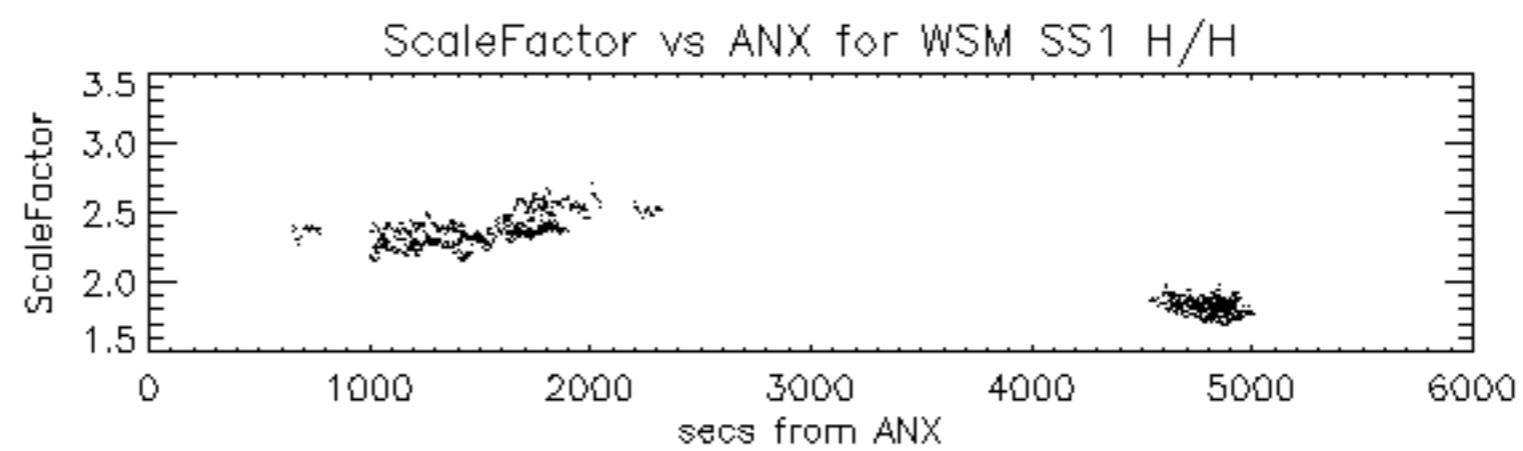


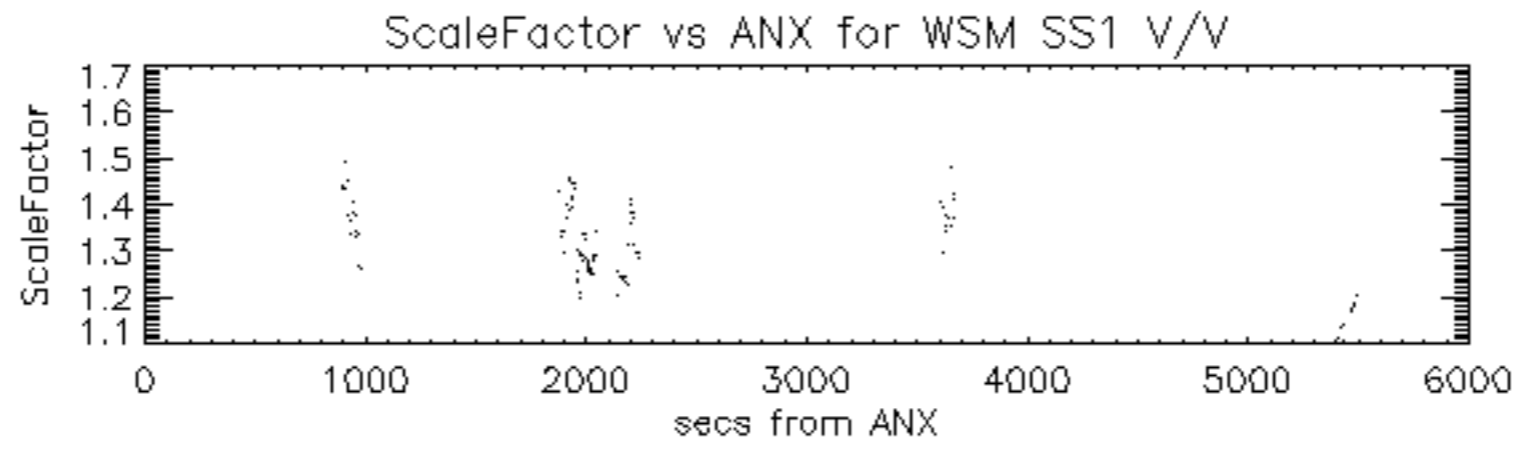


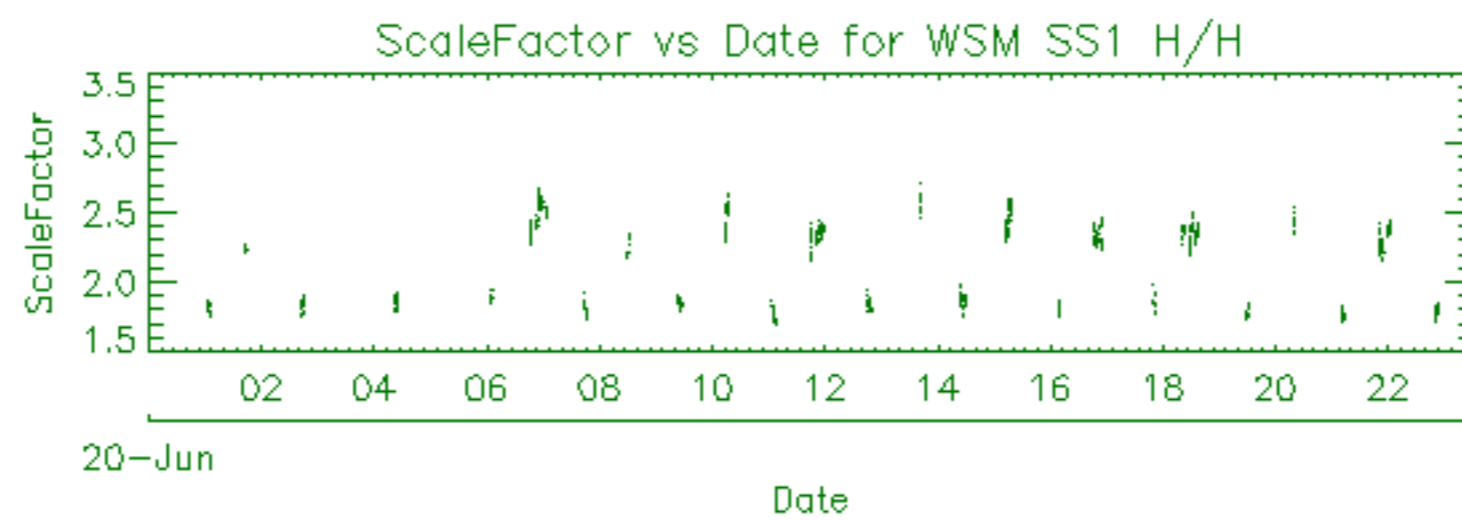
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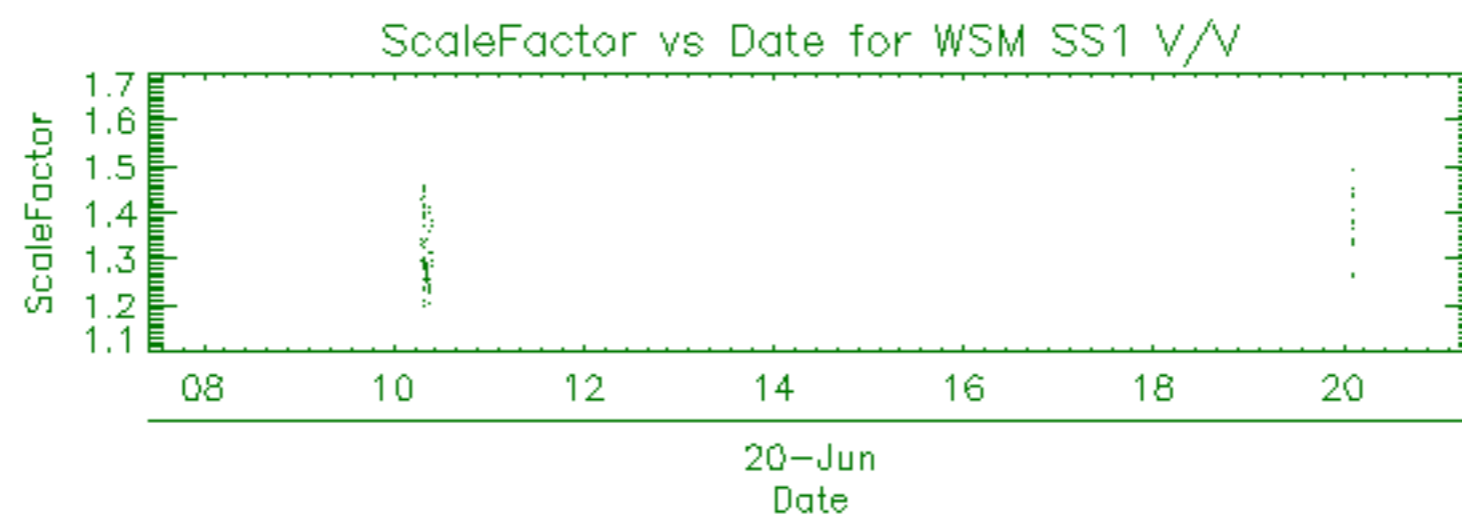


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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20100620_071600_000001952090_00278_43418_0253.N1						IS4	V/H	90	43418	278	5.03
ASA_APM_1PNPDE20100620_121800_000000502090_00281_43421_0353.N1						IS4	V/H	90	43421	281	5.03
ASA_APM_1PNPDE20100620_122127_000000812090_00281_43421_0354.N1						IS4	V/H	90	43421	281	5.03
ASA_APM_1PNPDE20100620_135939_000000852090_00282_43422_0369.N1						IS3	H/H	90	43422	282	5.03

ASA_GM1_1PNPDK20100620_165550_000001202090_00284_43424_5528.N1	SS1	H/H	90	43424	284	5.03
ASA_GM1_1PNPDK20100620_165842_000008462090_00284_43424_5530.N1	SS1	H/H	90	43424	284	5.03
ASA_GM1_1PNPDK20100620_173615_000001992090_00284_43424_5532.N1	SS1	H/H	90	43424	284	5.03
ASA_GM1_1PNPDK20100620_181422_000003502090_00285_43425_5533.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_182418_000002052090_00285_43425_5535.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_182638_000000962090_00285_43425_5543.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_183810_000004712090_00285_43425_5544.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_191650_000001812090_00285_43425_5546.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_194226_000000722090_00285_43425_5545.N1	SS1	H/H	90	43425	285	5.03
ASA_GM1_1PNPDK20100620_194746_000006282090_00285_43425_5551.N1	SS1	H/H	90	43425	285	5.03
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ASA_GM1_1PNPDE20100620_200703_000007132090_00286_43426_0386.N1	SS1	H/H	90	43426	286	5.03
ASA_GM1_1PNPDE20100620_202032_000001752090_00286_43426_0387.N1	SS1	H/H	90	43426	286	5.03
ASA_GM1_1PNPDE20100620_205724_000001322090_00286_43426_0390.N1	SS1	H/H	90	43426	286	5.03
ASA_GM1_1PNPDE20100620_212201_0000011302090_00286_43426_0412.N1	SS1	H/H	90	43426	286	5.03
ASA_GM1_1PNPDE20100620_214233_000001262090_00287_43427_0410.N1	SS1	H/H	90	43427	287	5.03
ASA_GM1_1PNPDE20100620_215509_000001992090_00287_43427_0414.N1	SS1	H/H	90	43427	287	5.03
ASA_GM1_1PNPDE20100620_223801_000001502090_00287_43427_0417.N1	SS1	H/H	90	43427	287	5.03
ASA_GM1_1PNPDE20100620_231352_000001202090_00288_43428_0437.N1	SS1	H/H	90	43428	288	5.03
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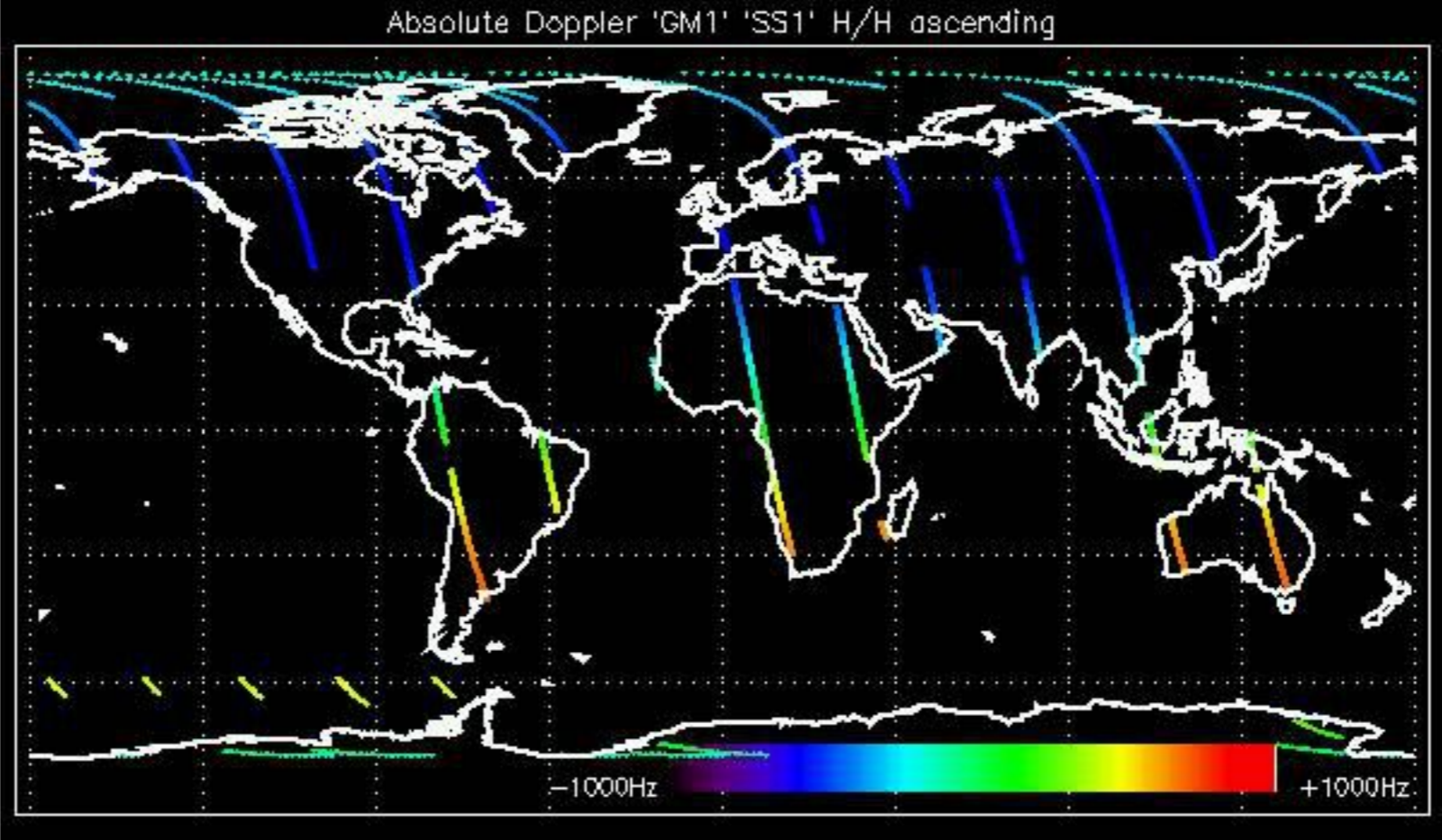
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ASA_IMM_1PNPDE20100620_020439_000004222090_00275_43415_0207.N1						IS2	V/V	90	43415	275	5.03
ASA_IMM_1PNPDE20100620_023735_000009222090_00275_43415_0209.N1						IS2	H/H	90	43415	275	5.03
ASA_IMM_1PNPDE20100620_034221_000009922090_00276_43416_0194.N1						IS2	V/V	90	43416	276	5.03
ASA_IMM_1PNPDE20100620_034404_000001122090_00276_43416_0204.N1						IS2	V/V	90	43416	276	5.03
ASA_IMM_1PNPDE20100620_034615_000006222090_00276_43416_0205.N1						IS2	V/V	90	43416	276	5.03
ASA_IMM_1PNPDE20100620_045314_000001122090_00277_43417_0240.N1						IS2	V/V	90	43417	277	5.03
ASA_IMM_1PNPDE20100620_052439_000001712090_00277_43417_0248.N1						IS2	V/V	90	43417	277	5.03
ASA_IMM_1PNPDE20100620_055346_000009222090_00277_43417_0250.N1						IS2	H/H	90	43417	277	5.03
ASA_IMM_1PNPDE20100620_060046_000009222090_00277_43417_0255.N1						IS2	H/H	90	43417	277	5.03
ASA_IMM_1PNPDE20100620_071116_000001422090_00278_43418_0252.N1						IS2	V/V	90	43418	278	5.03
ASA_IMM_1PNPDK20100620_073841_000002332090_00278_43418_5398.N1						IS2	H/H	90	43418	278	5.03
ASA_IMM_1PNPDK20100620_084135_000004622090_00279_43419_5401.N1						IS6	H/H	90	43419	279	5.03
ASA_IMM_1PNPDE20100620_084801_000002352090_00279_43419_0298.N1						IS2	V/V	90	43419	279	5.03
ASA_IMM_1PNPDE20100620_105502_000003732090_00280_43420_0322.N1						IS2	H/H	90	43420	280	5.03
ASA_IMM_1PNPDE20100620_111357_000001022090_00280_43420_0350.N1						IS2	V/V	90	43420	280	5.03
ASA_IMM_1PNPDE20100620_120602_000005322090_00281_43421_0340.N1						IS2	V/V	90	43421	281	5.03
ASA_IMM_1PNPDK20100620_123854_000002652090_00281_43421_5474.N1						IS2	H/H	90	43421	281	5.03
ASA_IMM_1PNPDE20100620_152528_000003622090_00283_43423_0373.N1						IS1	V/V	90	43423	283	5.03
ASA_IMM_1PNPDE20100620_160601_000001112090_00283_43423_0366.N1						IS2	H/H	90	43423	283	5.03
ASA_IMM_1PNPDE20100620_163852_000005222090_00284_43424_0374.N1						IS7	V/V	90	43424	284	5.03
ASA_IMM_1PNPDE20100620_165752_000003822090_00284_43424_0377.N1						IS7	H/H	90	43424	284	5.03
ASA_IMM_1PNPDE20100620_173933_000003022090_00284_43424_0378.N1						IS2	H/H	90	43424	284	5.03
ASA_IMM_1PNPDE20100620_174523_000002332090_00284_43424_0375.N1						IS2	H/H	90	43424	284	5.03
ASA_IMM_1PNPDE20100620_191951_000002902090_00285_43425_0383.N1						IS2	H/H	90	43425	285	5.03
ASA_IMM_1PNPDE20100620_192528_000001622090_00285_43425_0381.N1						IS2	H/H	90	43425	285	5.03
ASA_IMM_1PNPDE20100620_194612_000000842090_00285_43425_0384.N1						IS7	H/H	90	43425	285	5.03
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ASA_IMM_1PNPDE20100620_210530_000002332090_00286_43426_0397.N1						IS2	H/H	90	43426	286	5.03
ASA_IMM_1PNPDE20100620_224033_000001622090_00287_43427_0432.N1						IS2	H/H	90	43427	287	5.03
ASA_IMM_1PNPDE20100620_224403_000003032090_00287_43427_0423.N1						IS2	H/H	90	43427	287	5.03
ASA_IMM_1PNPDK20100620_233036_000001622090_00288_43428_5565.N1						IS2	H/H	90	43428	288	5.03
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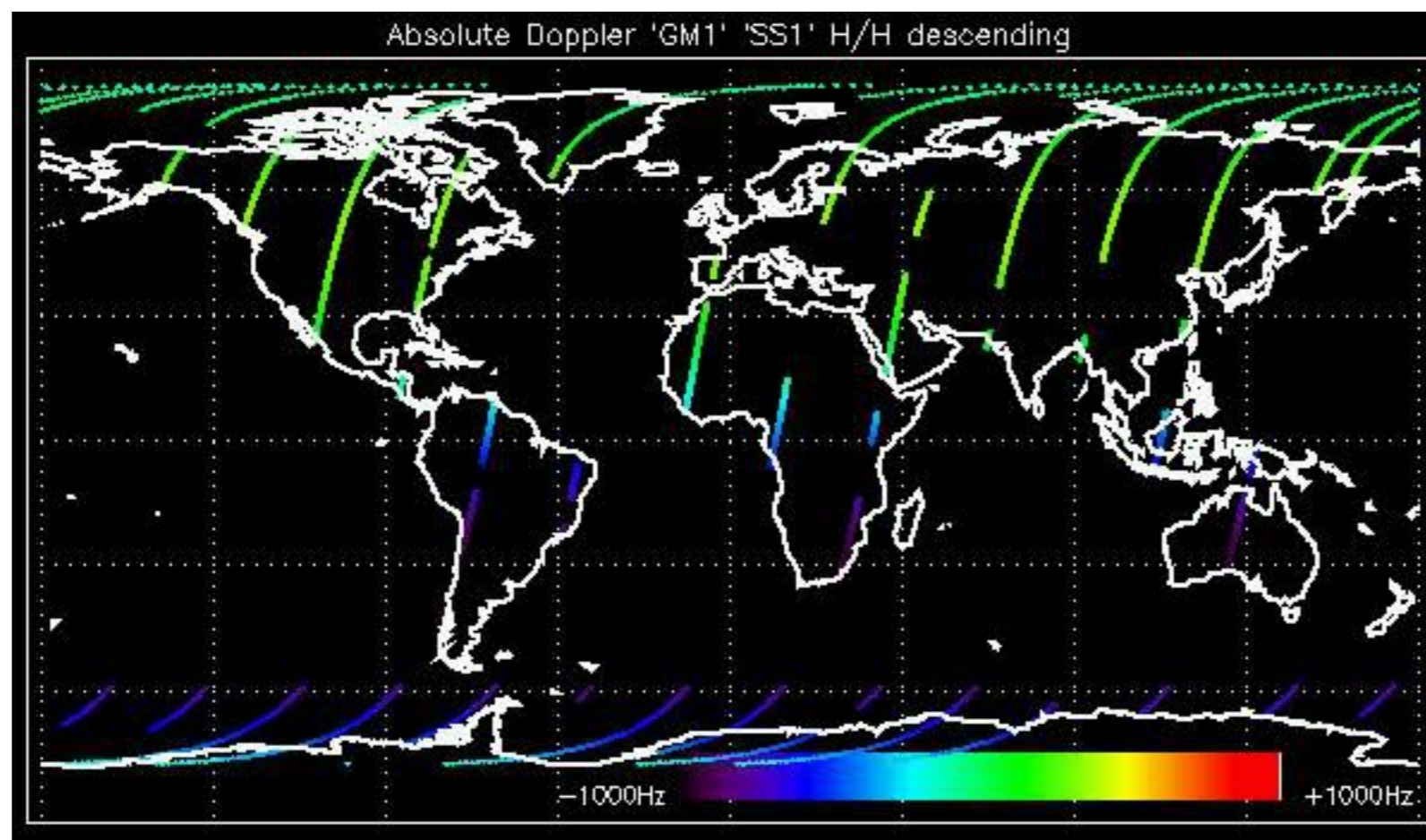
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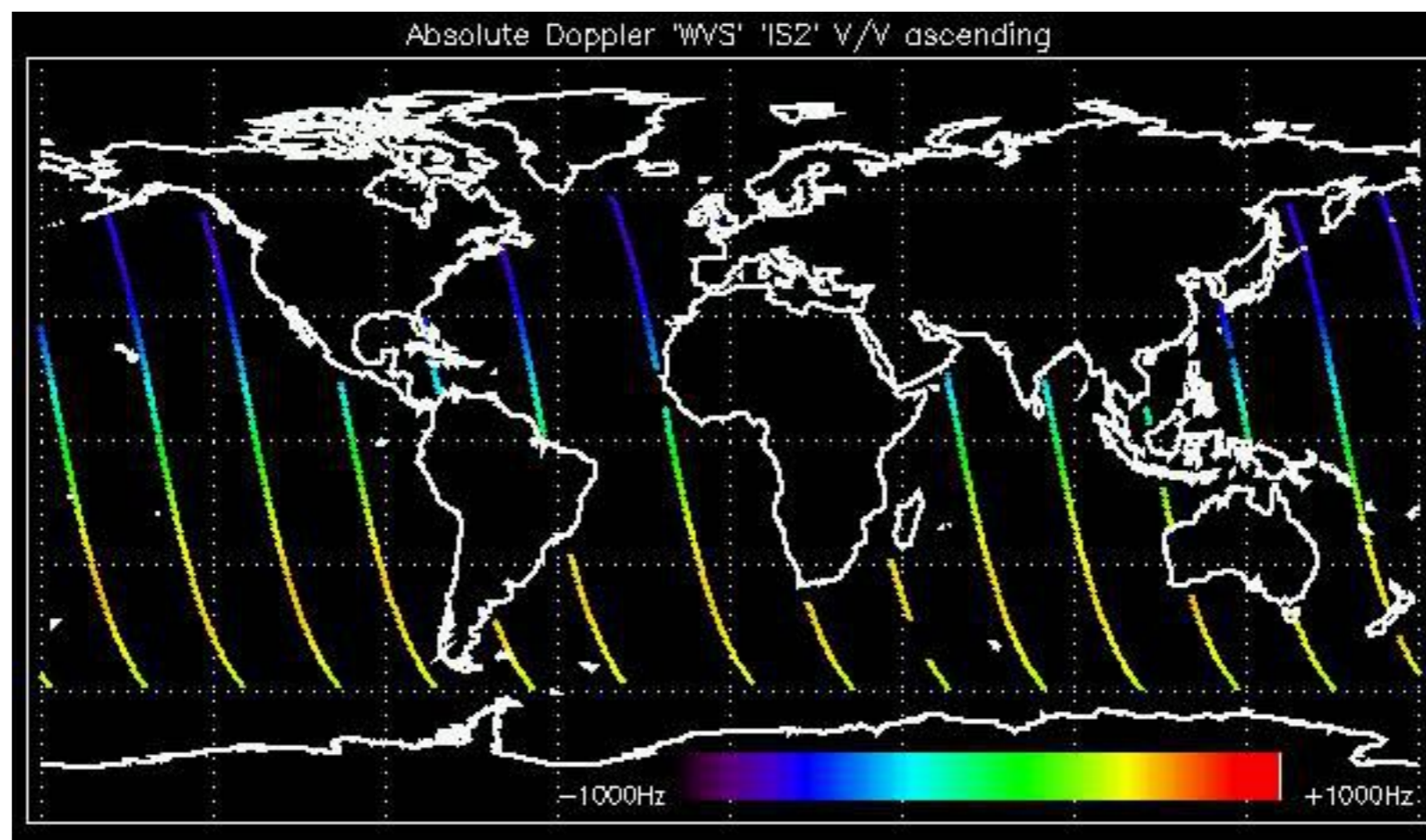


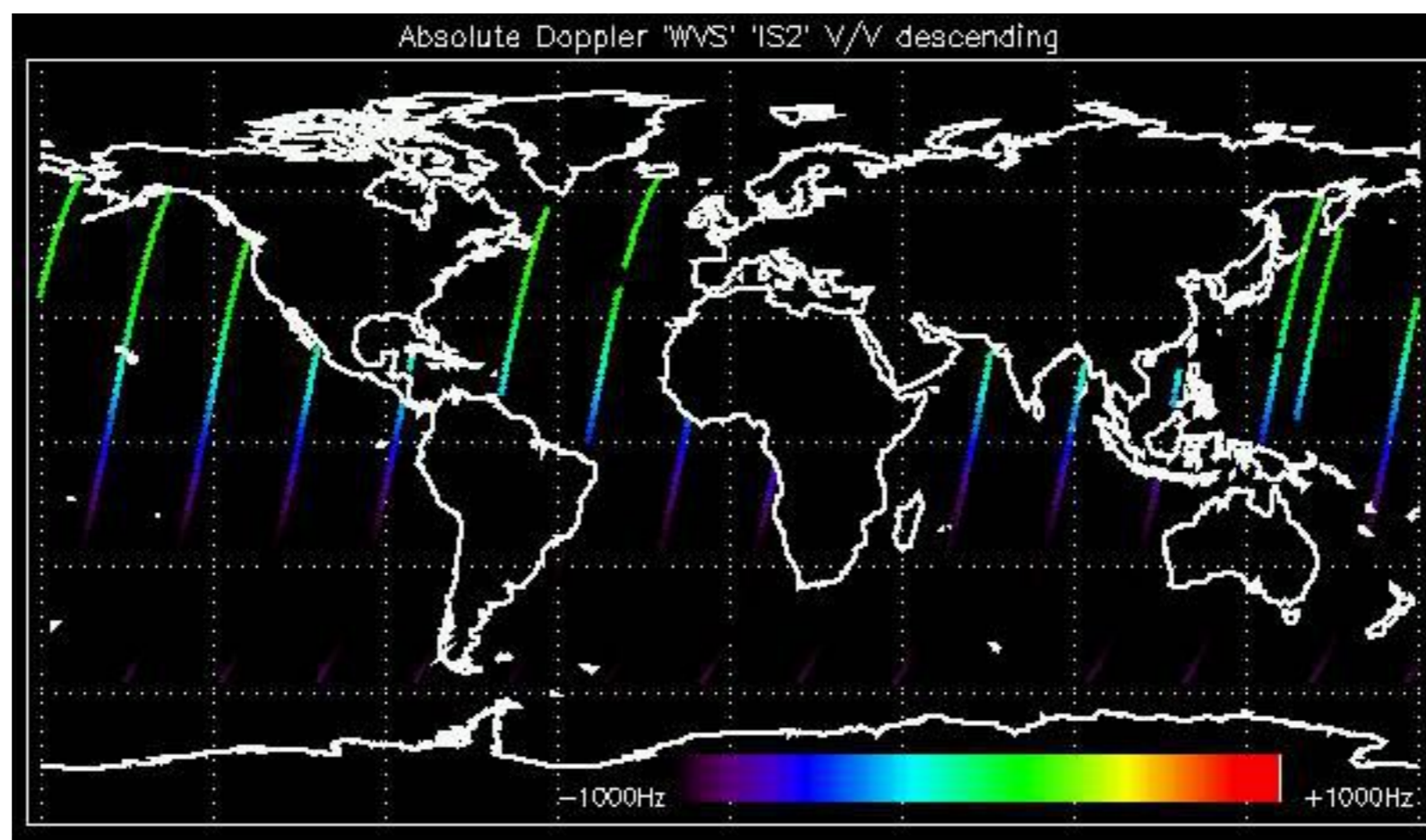
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ASA_WSM_1PNPDE20100620_010209_000002752090_00274_43414_0190.N1						SS1	H/H	90	43414	274	5.03
ASA_WSM_1PNPDE20100620_014251_000000862090_00275_43415_0206.N1						SS1	H/H	90	43415	275	5.03
ASA_WSM_1PNPDE20100620_024133_000002942090_00275_43415_0224.N1						SS1	H/H	90	43415	275	5.03
ASA_WSM_1PNPDE20100620_042046_000003062090_00276_43416_0231.N1						SS1	H/H	90	43416	276	5.03
ASA_WSM_1PNPDE20100620_060317_000001592090_00277_43417_0264.N1						SS1	H/H	90	43417	277	5.03
ASA_WSM_1PNPDE20100620_064510_000001472090_00278_43418_0260.N1						SS1	H/H	90	43418	278	5.03
ASA_WSM_1PNPDK20100620_065204_000003982090_00278_43418_5381.N1						SS1	H/H	90	43418	278	5.03
ASA_WSM_1PNPDE20100620_070155_000001472090_00278_43418_0251.N1						SS1	H/H	90	43418	278	5.03
ASA_WSM_1PNPDE20100620_072524_000000862090_00278_43418_0254.N1						SS1	V/V	90	43418	278	5.03
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ASA_WSM_1PNPDK20100620_082927_000000862090_00279_43419_5400.N1						SS1	H/H	90	43419	279	5.03
ASA_WSM_1PNPDK20100620_092259_000003062090_00279_43419_5424.N1						SS1	H/H	90	43419	279	5.03
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ASA_WSM_1PNPDK20100620_101747_000001652090_00280_43420_5425.N1						SS1	V/V	90	43420	280	5.03
ASA_WSM_1PNPDE20100620_101823_000001532090_00280_43420_0316.N1						SS1	V/V	90	43420	280	5.03
ASA_WSM_1PNPDK20100620_102212_000001222090_00280_43420_5426.N1						SS1	V/V	90	43420	280	5.03
ASA_WSM_1PNPDE20100620_110332_000002882090_00280_43420_0348.N1						SS1	H/H	90	43420	280	5.03
ASA_WSM_1PNPDE20100620_114351_000001652090_00281_43421_0352.N1						SS1	H/H	90	43421	281	5.03
ASA_WSM_1PNPDE20100620_115003_000000672090_00281_43421_0339.N1						SS1	H/H	90	43421	281	5.03
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ASA_WSM_1PNPDK20100620_115350_000003062090_00281_43421_5443.N1						SS1	H/H	90	43421	281	5.03
ASA_WSM_1PNPDK20100620_124416_000003242090_00281_43421_5471.N1						SS1	H/H	90	43421	281	5.03
ASA_WSM_1PNPDE20100620_134016_000001162090_00282_43422_0368.N1						SS1	H/H	90	43422	282	5.03
ASA_WSM_1PNPDE20100620_142324_000001592090_00282_43422_0370.N1						SS1	H/H	90	43422	282	5.03
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ASA_WSM_1PNPDE20100620_151634_000001532090_00283_43423_0372.N1						SS1	H/H	90	43423	283	5.03
ASA_WSM_1PNPDE20100620_160838_000001162090_00283_43423_0367.N1						SS1	H/H	90	43423	283	5.03
ASA_WSM_1PNPDK20100620_164539_000001042090_00284_43424_5510.N1						SS1	H/H	90	43424	284	5.03
ASA_WSM_1PNPDK20100620_164811_000002202090_00284_43424_5511.N1						SS1	H/H	90	43424	284	5.03
ASA_WSM_1PNPDK20100620_165402_000001042090_00284_43424_5520.N1						SS1	H/H	90	43424	284	5.03
ASA_WSM_1PNPDE20100620_174943_000001102090_00284_43424_0376.N1						SS1	H/H	90	43424	284	5.03
ASA_WSM_1PNPDE20100620_182019_000001472090_00285_43425_0379.N1						SS1	H/H	90	43425	285	5.03
ASA_WSM_1PNPDK20100620_182823_000004282090_00285_43425_5542.N1						SS1	H/H	90	43425	285	5.03
ASA_WSM_1PNPDE20100620_183626_000000982090_00285_43425_0380.N1						SS1	H/H	90	43425	285	5.03
ASA_WSM_1PNPDE20100620_192914_000001532090_00285_43425_0382.N1						SS1	H/H	90	43425	285	5.03
ASA_WSM_1PNPDK20100620_200500_000001042090_00286_43426_5547.N1						SS1	V/V	90	43426	286	5.03
ASA_WSM_1PNPDE20100620_201901_000000862090_00286_43426_0402.N1						SS1	H/H	90	43426	286	5.03
ASA_WSM_1PNPDE20100620_211020_000001712090_00286_43426_0403.N1						SS1	H/H	90	43426	286	5.03
ASA_WSM_1PNPDE20100620_212019_000000982090_00286_43426_0405.N1						SS1	V/V	90	43426	286	5.03
ASA_WSM_1PNPDK20100620_214905_000003612090_00287_43427_5561.N1						SS1	H/H	90	43427	287	5.03
ASA_WSM_1PNPDE20100620_215837_000002082090_00287_43427_0429.N1						SS1	H/H	90	43427	287	5.03
ASA_WSM_1PNPDE20100620_225006_000002452090_00287_43427_0428.N1						SS1	H/H	90	43427	287	5.03
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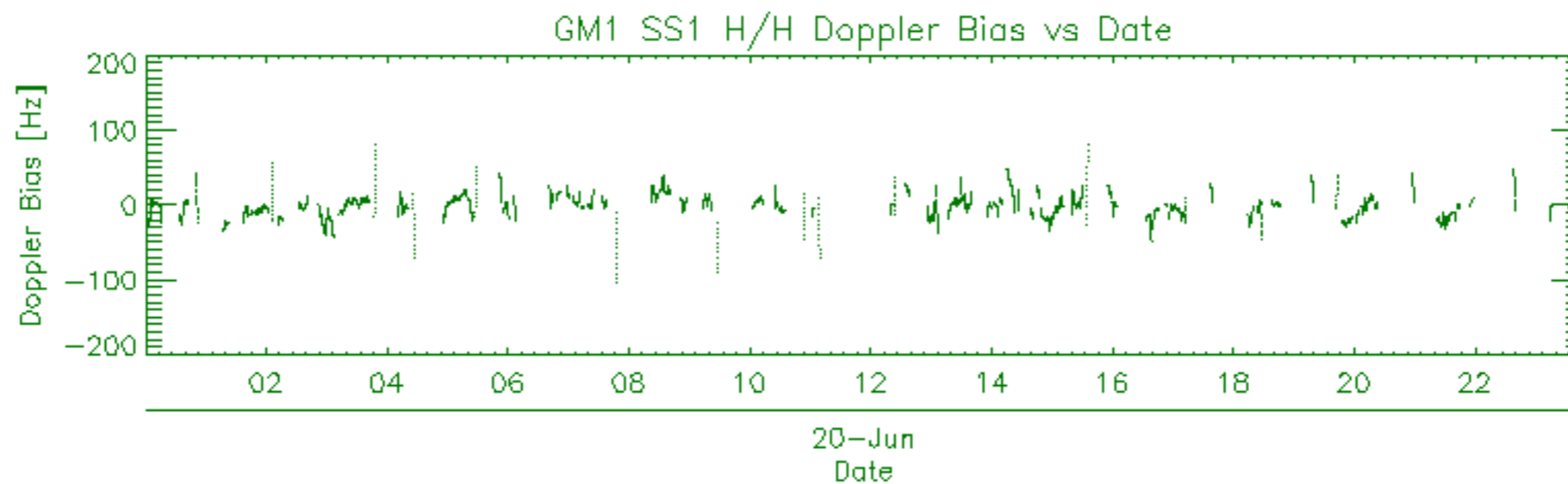
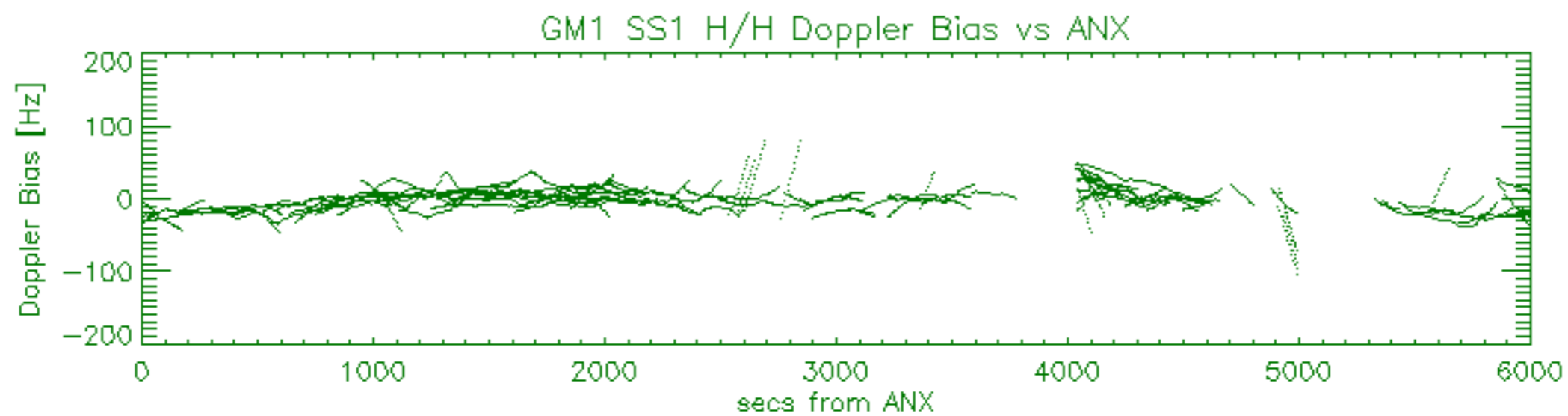
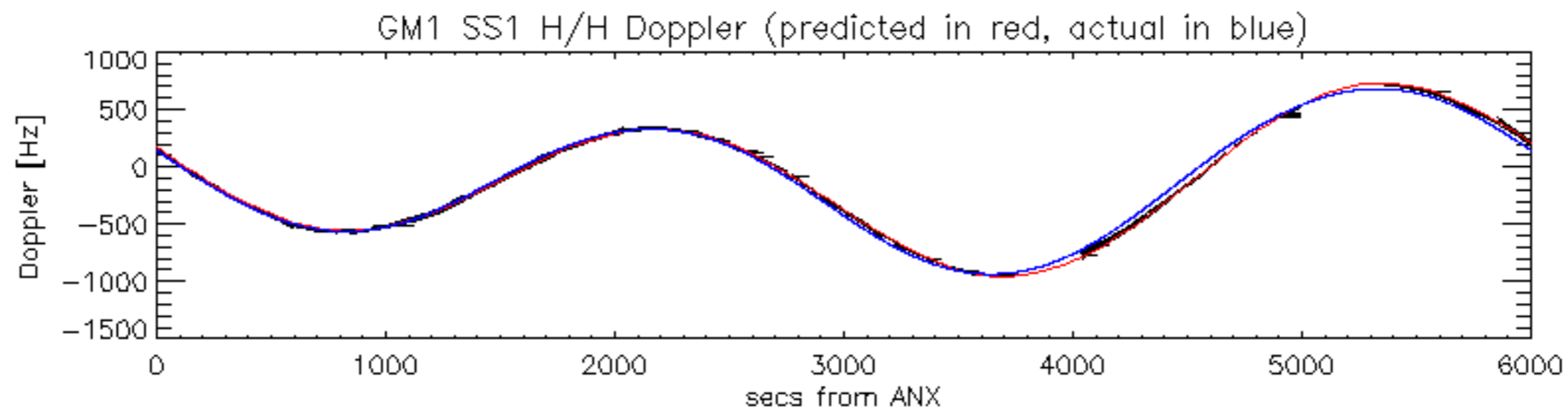
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ASA_WVS_1PNPDE20100620_012335_000007942090_00275_43415_0197.N1						IS2	V/V	90	43415	275	5.03
ASA_WVS_1PNPDE20100620_020858_000001342090_00275_43415_0198.N1						IS2	V/V	90	43415	275	5.03
ASA_WVS_1PNPDE20100620_021619_000008252090_00275_43415_0201.N1						IS2	V/V	90	43415	275	5.03
ASA_WVS_1PNPDE20100620_024647_000002852090_00275_43415_0208.N1						IS2	V/V	90	43415	275	5.03
ASA_WVS_1PNPDE20100620_030704_000002992090_00276_43416_0215.N1						IS2	V/V	90	43416	276	5.03
ASA_WVS_1PNPDE20100620_034909_000001492090_00276_43416_0213.N1						IS2	V/V	90	43416	276	5.03
ASA_WVS_1PNPDE20100620_035124_000009142090_00276_43416_0236.N1						IS2	V/V	90	43416	276	5.03
ASA_WVS_1PNPDE20100620_042732_000012442090_00276_43416_0233.N1						IS2	V/V	90	43416	276	5.03
ASA_WVS_1PNPDE20100620_052857_000011242090_00277_43417_0232.N1						IS2	V/V	90	43417	277	5.03
ASA_WVS_1PNPDE20100620_054727_000002402090_00277_43417_0272.N1						IS2	V/V	90	43417	277	5.03
ASA_WVS_1PNPDE20100620_060808_000019342090_00277_43417_0267.N1						IS2	V/V	90	43417	277	5.03
ASA_WVS_1PNPDE20100620_072651_000000452090_00278_43418_0266.N1						IS2	V/V	90	43418	278	5.03
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ASA_WVS_1PNPDK20100620_085805_000008692090_00279_43419_5413.N1						IS2	V/V	90	43419	279	5.03
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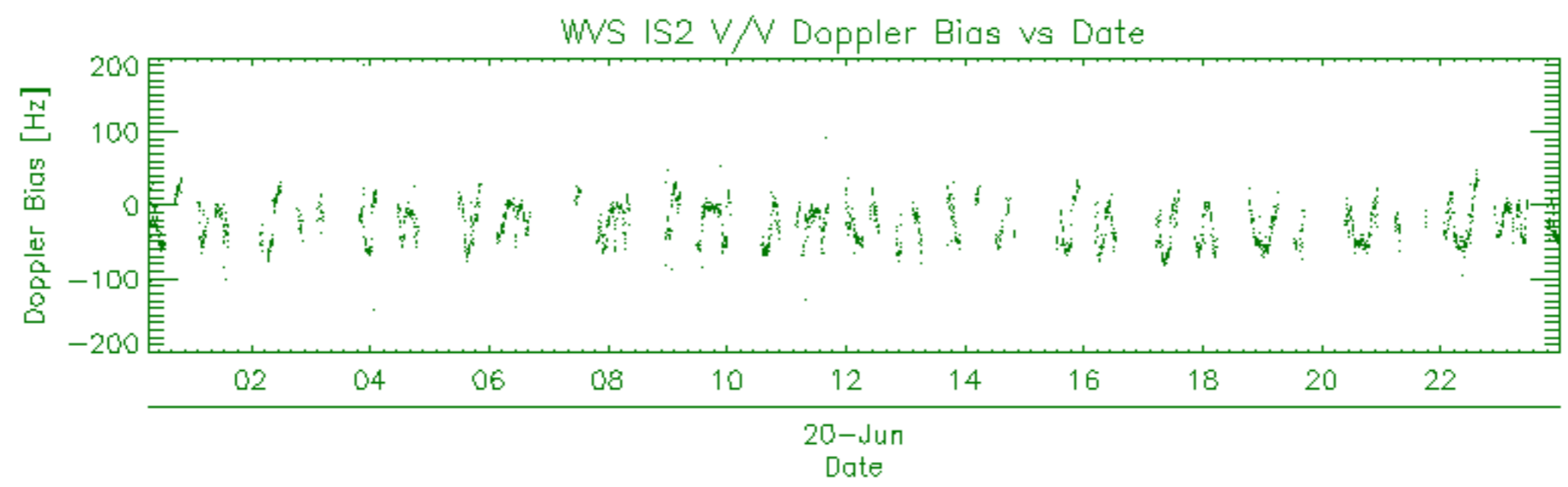
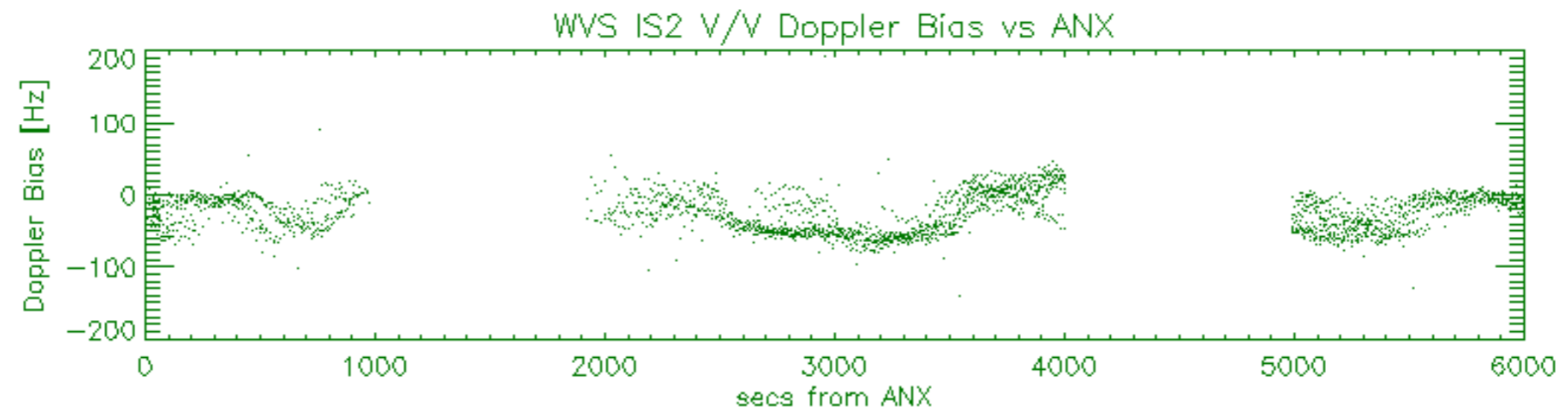
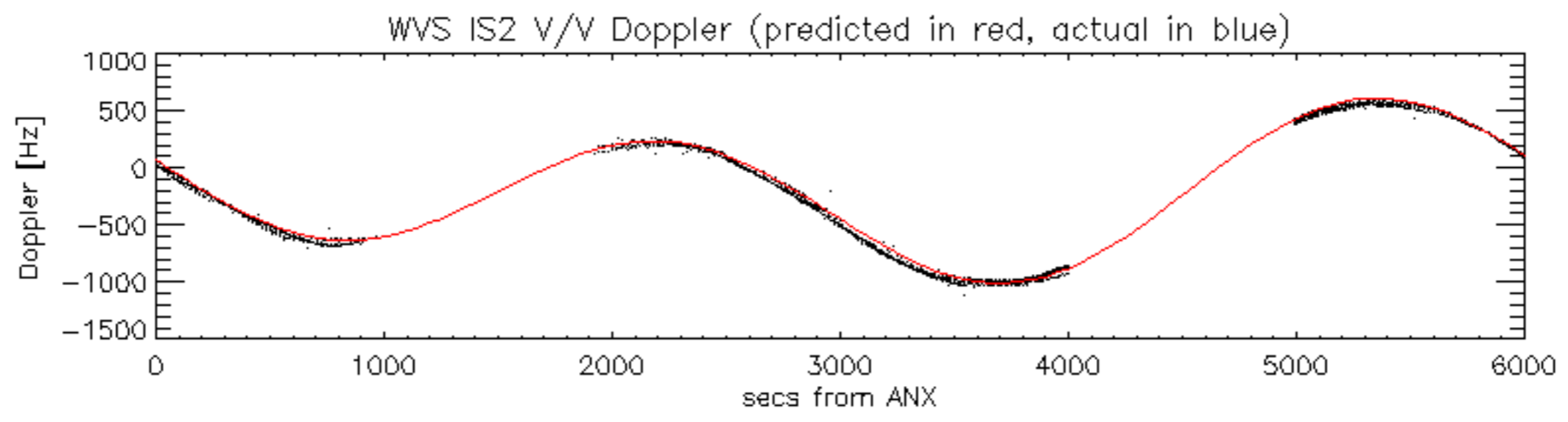


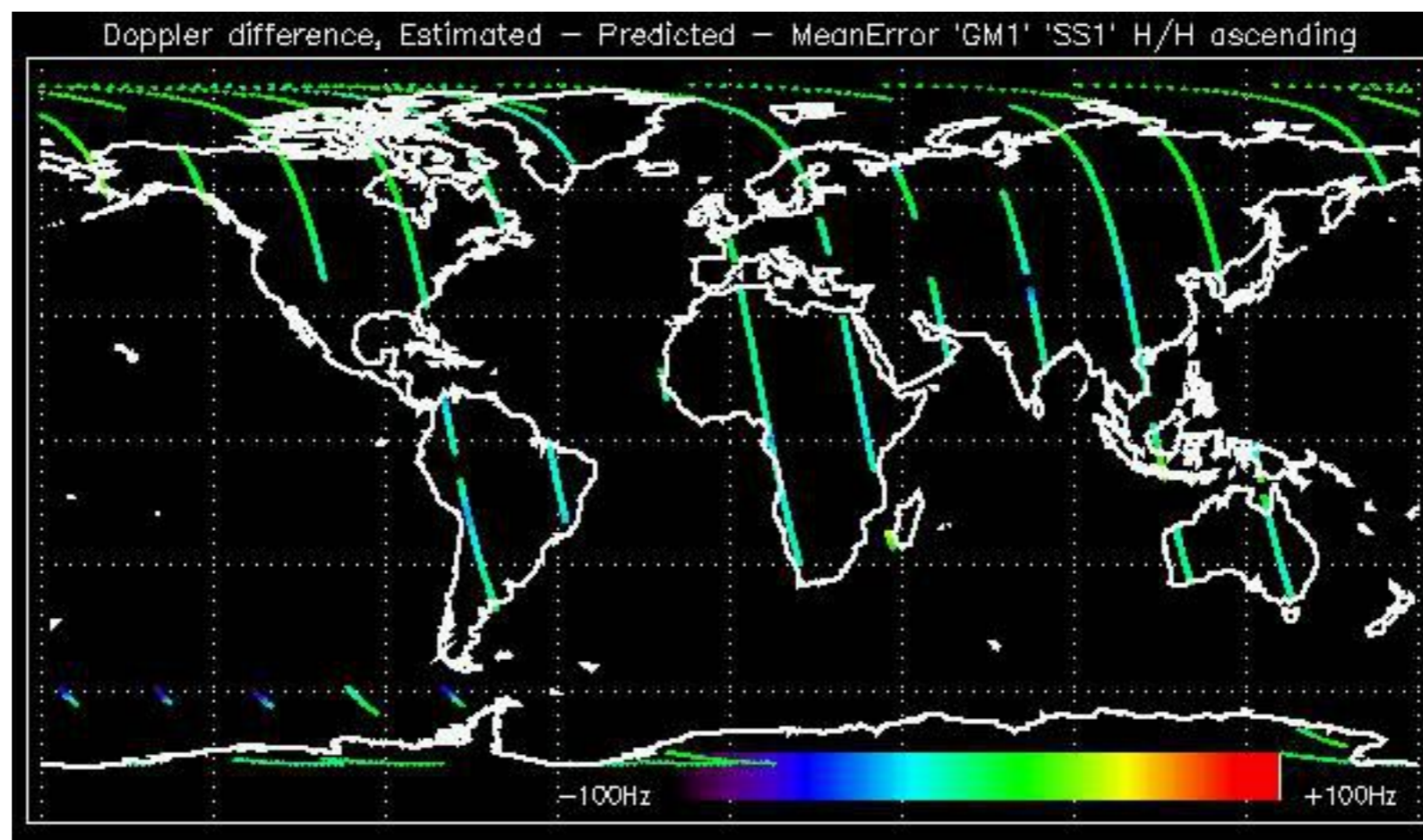


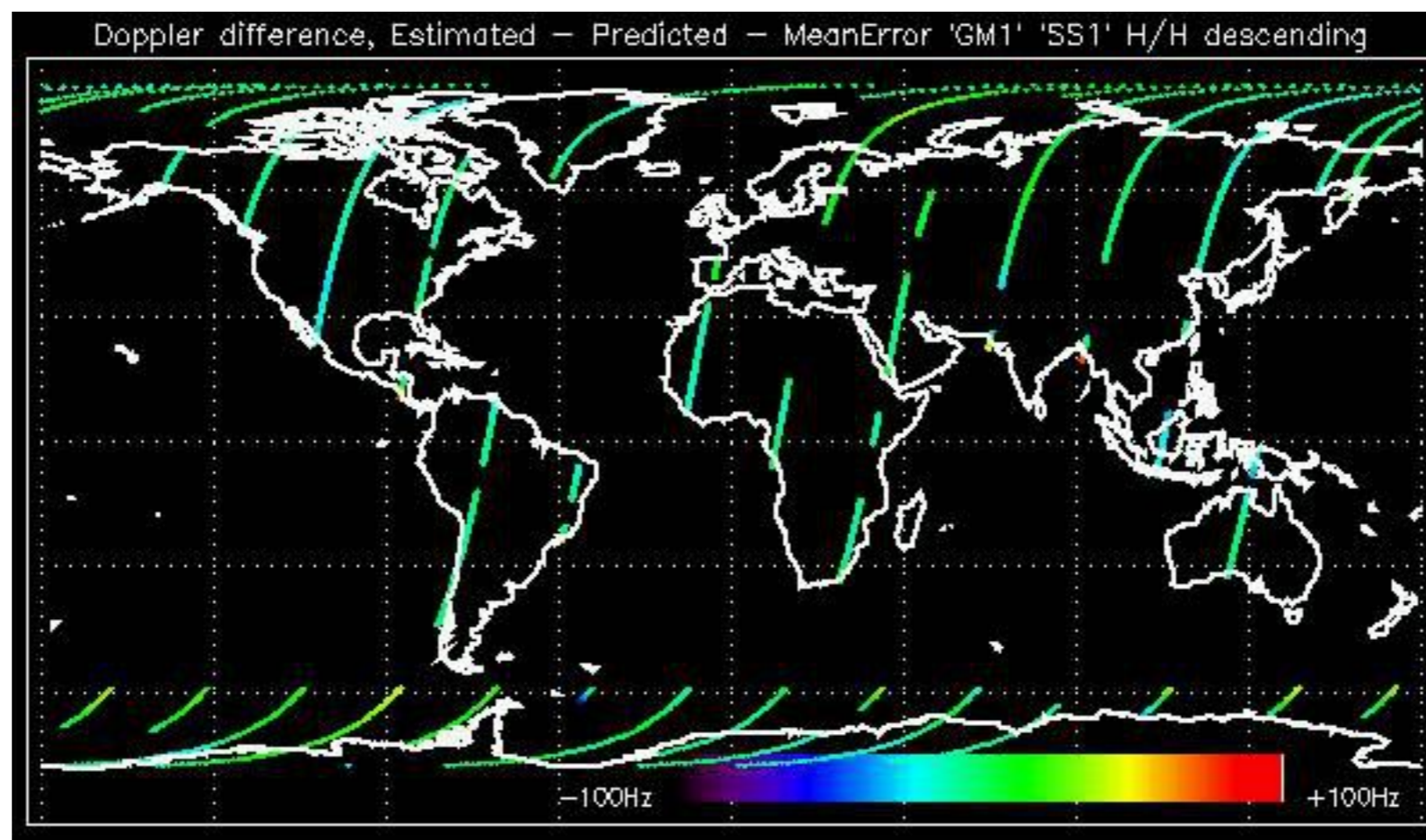


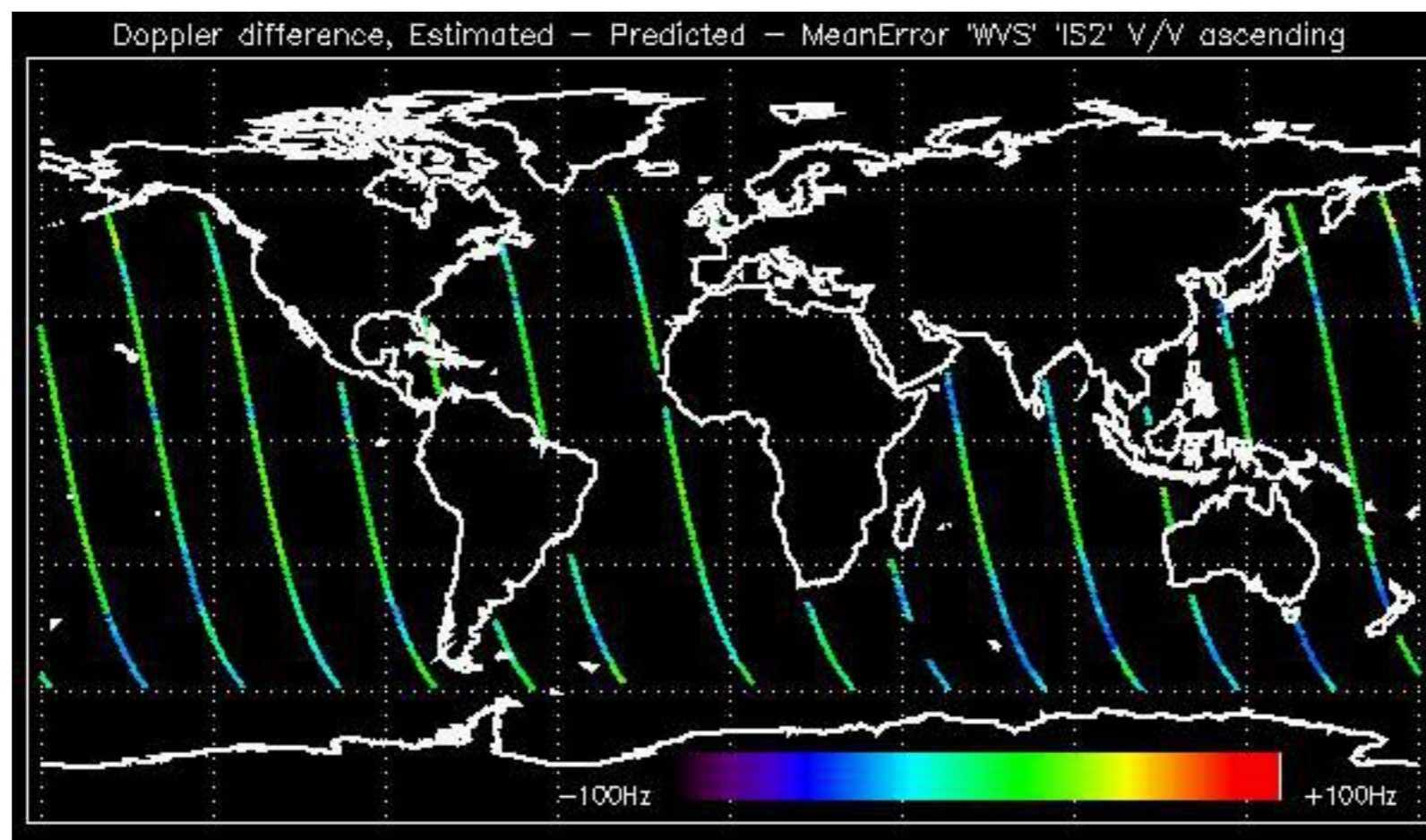


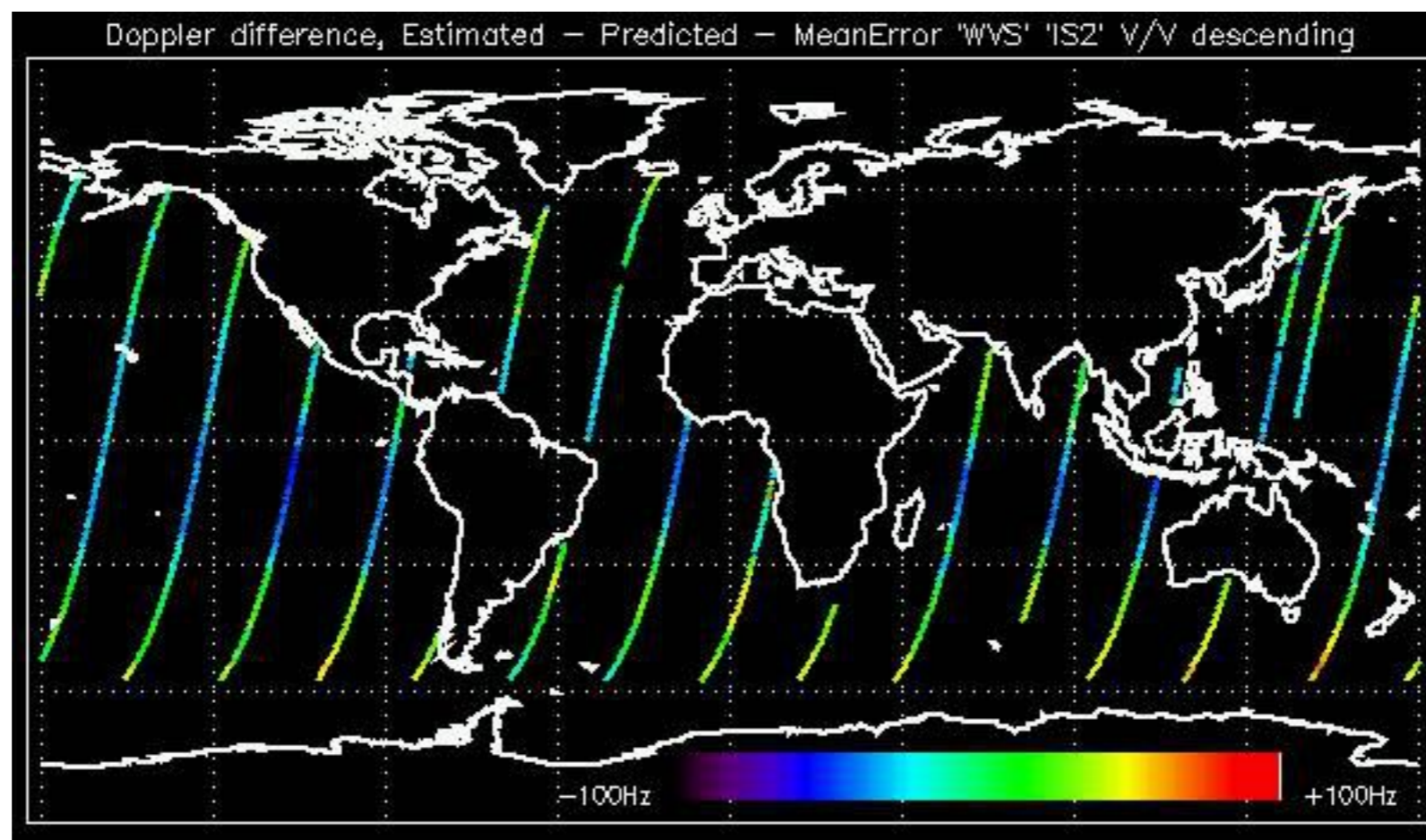


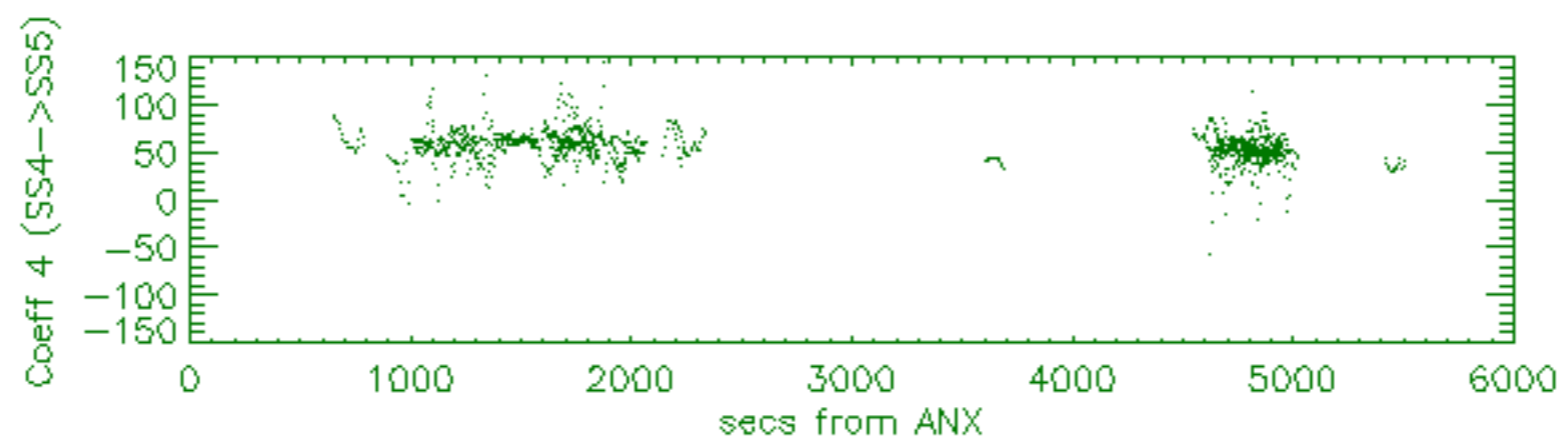
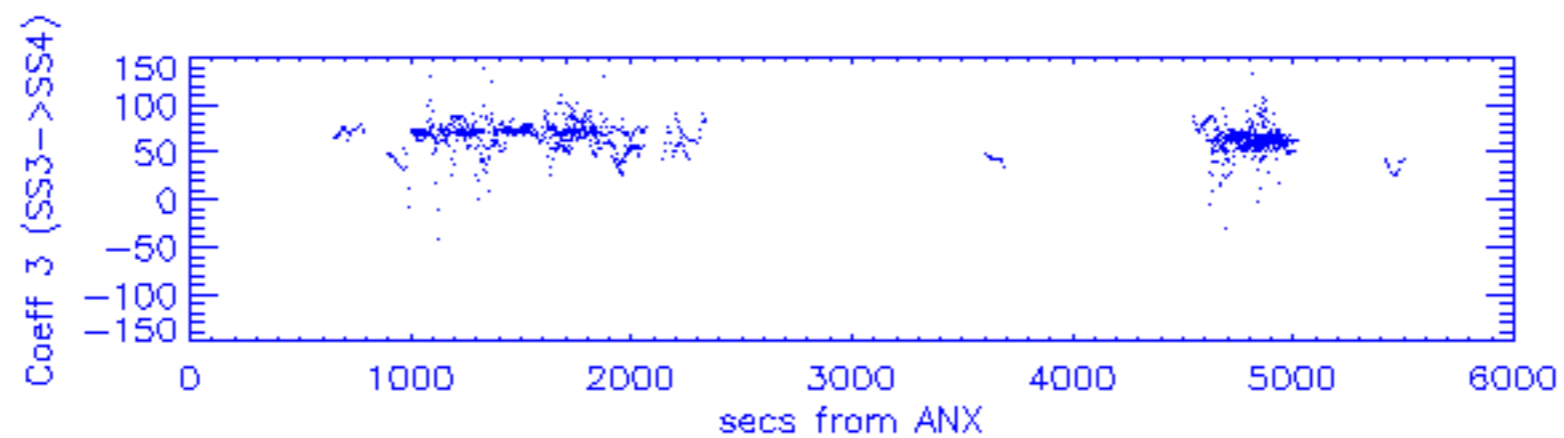
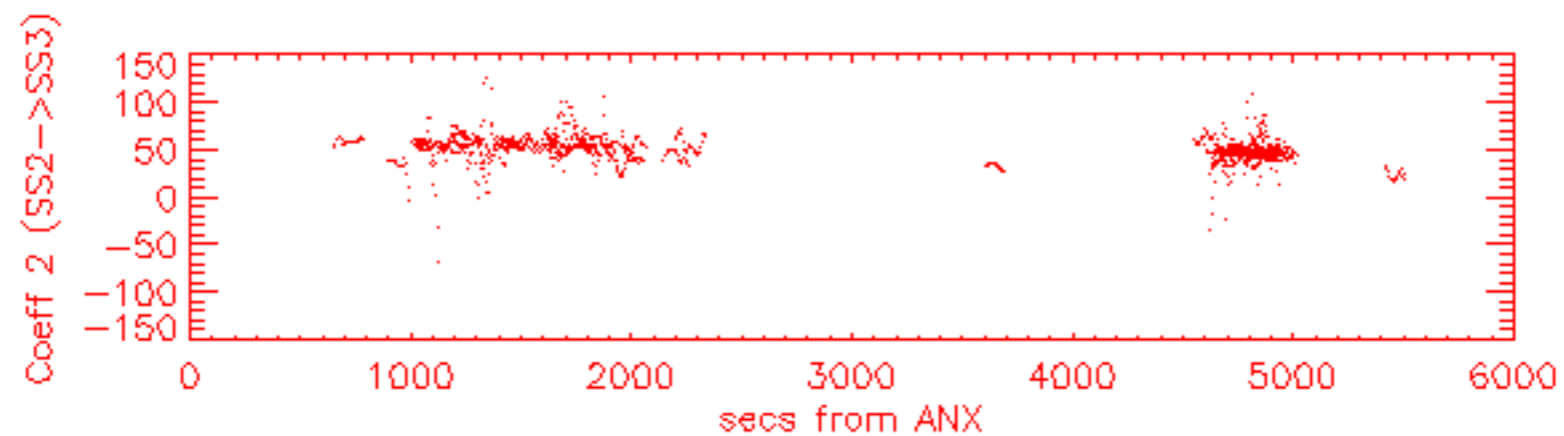
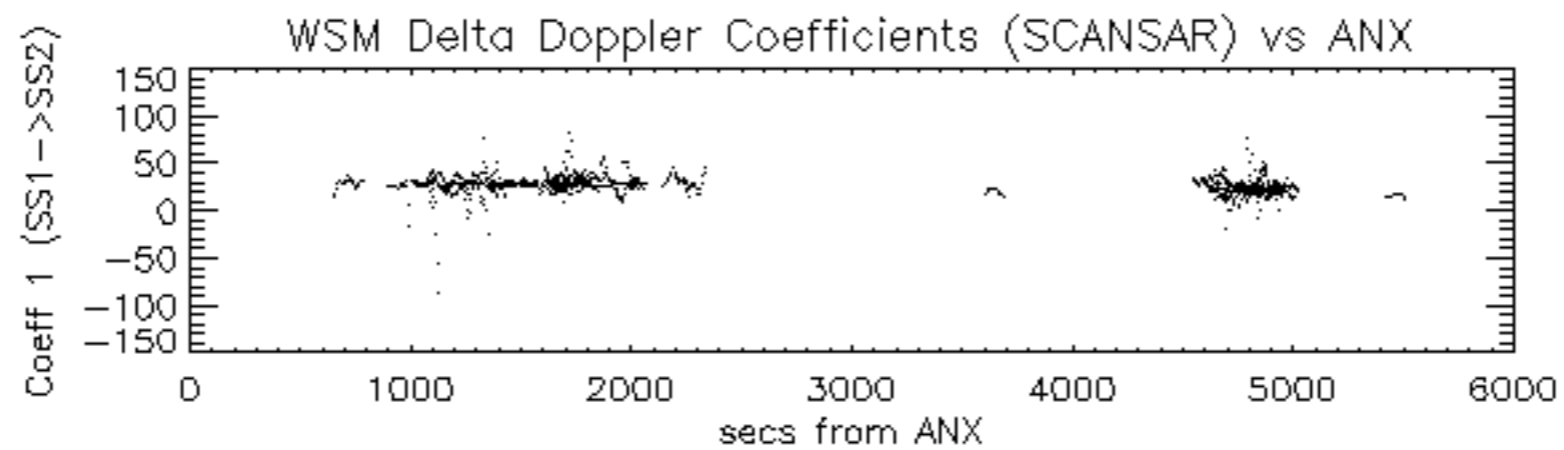


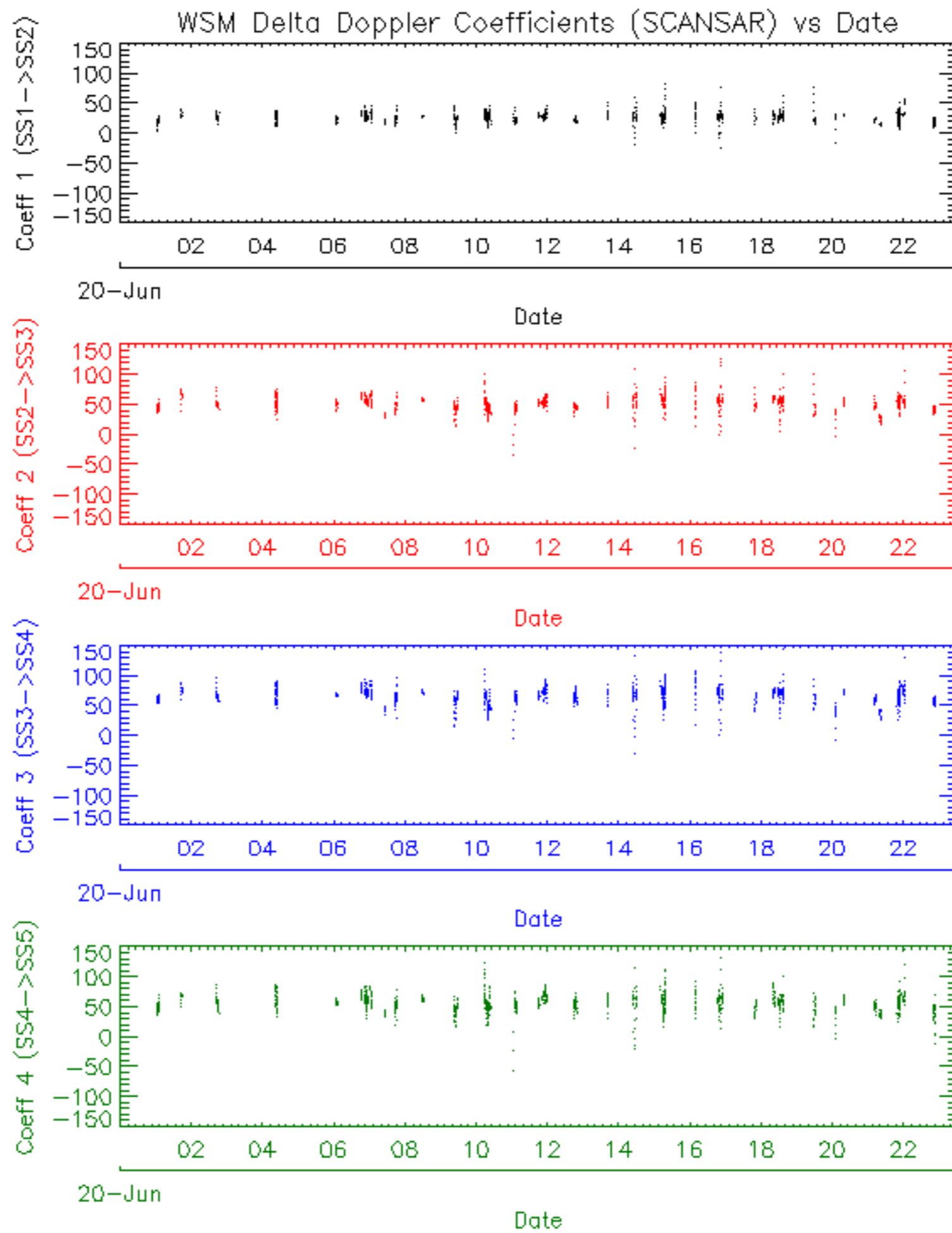


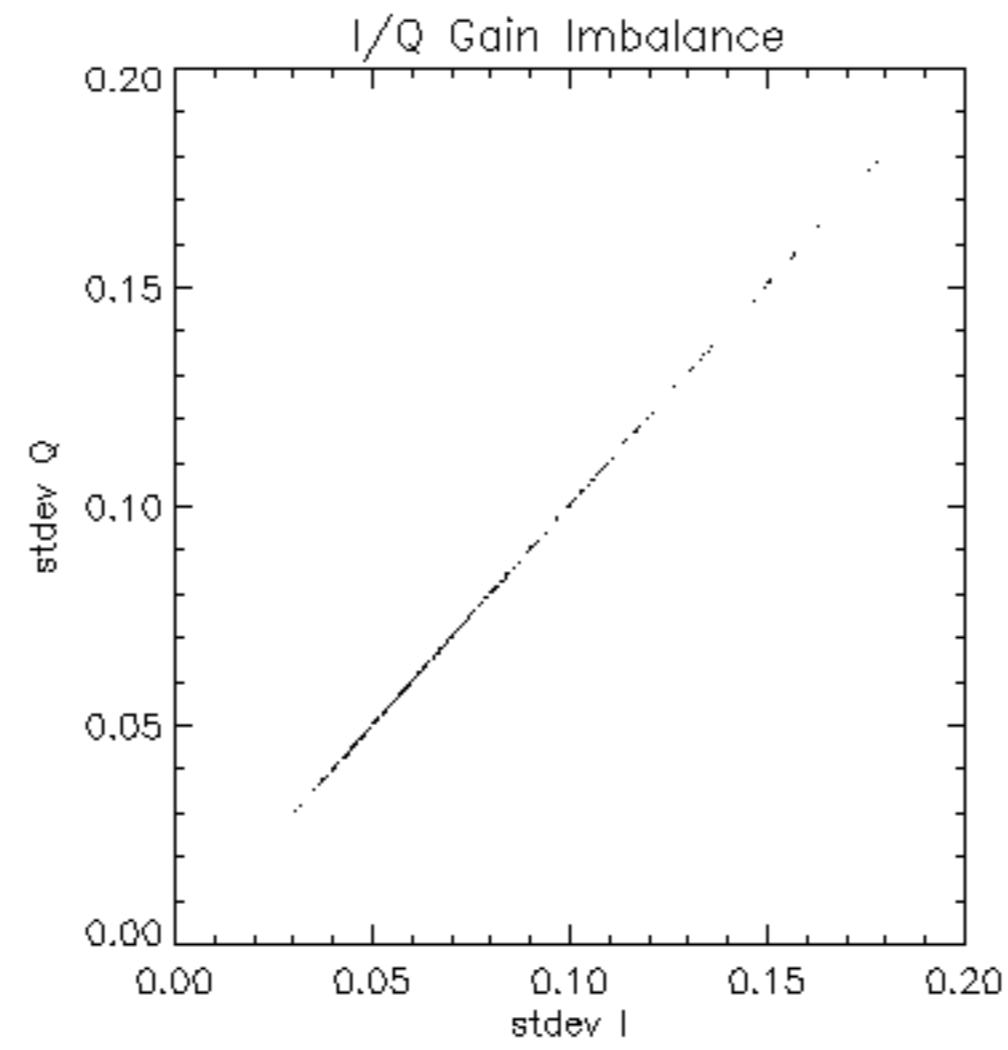


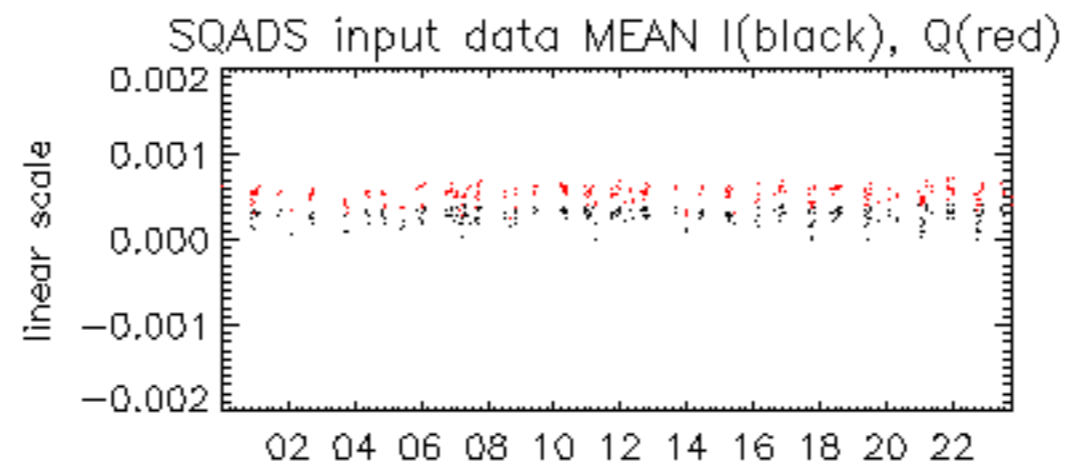




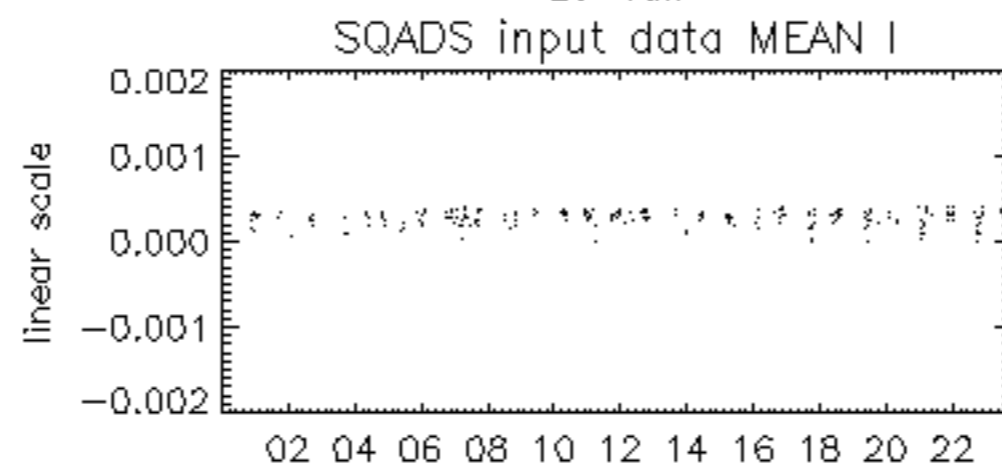




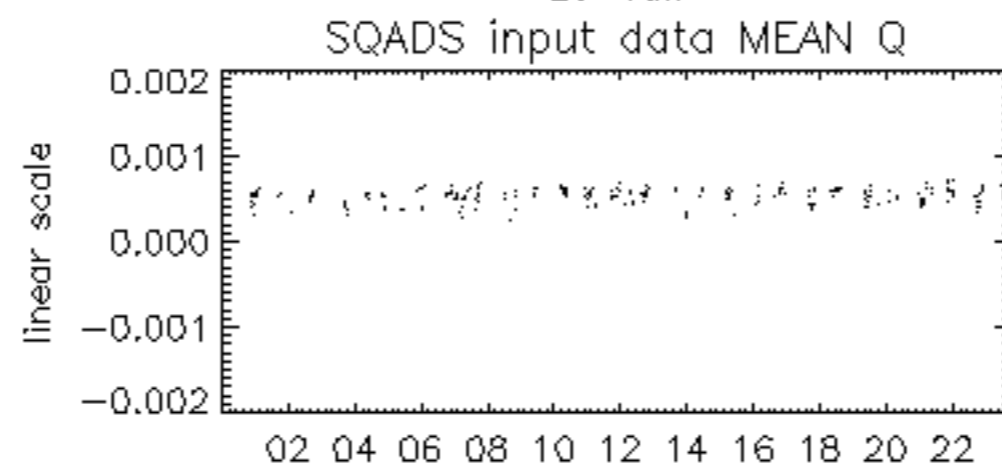




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