Analysis from 25-JUN-2010 00:00:00 to 25-JUN-2010 23:59:59. Page generated on 26-JUN-2010 07:31:58.
View log file: ASAR_Daily_Report_20100626_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

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1 - DATA SUMMARY

1.1 - Summary tables

[BACK TO MENU]

WVS			
Center	Beam	Pol	#
PDE	IS1	V/V	3
PDE	IS2	V/V	29
PDK	IS2	V/V	10

GM1			
Center	Beam	Pol	#
PDE	WS	H/H	33

APM			
Center	Beam	Pol	#
PDE	IS4	V/H	3
PDE	IS5	H/H	1
PDE	IS6	H/H	1

IMM			
Center	Beam	Pol	#
PDE	IS2	H/H	6
PDE	IS2	V/V	10
PDE	IS3	H/H	1
PDE	IS4	V/V	1
PDE	IS5	V/V	1
PDE	IS6	V/V	2

WSM			
Center	Beam	Pol	#
PDE	WS	H/H	29
PDE	WS	V/V	9

MS			
Center	Time	Pol	Modules
PDK	2010-06-25 06:35:08	V	320

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]

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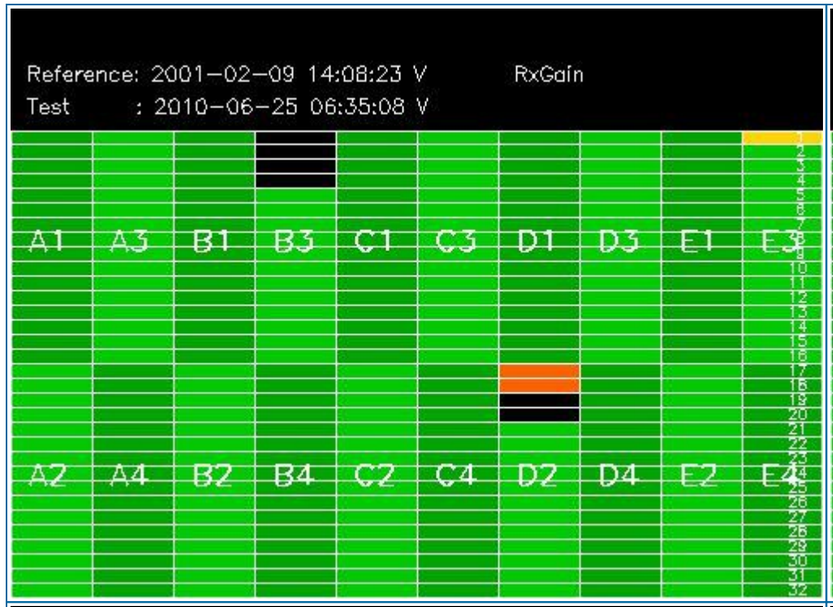
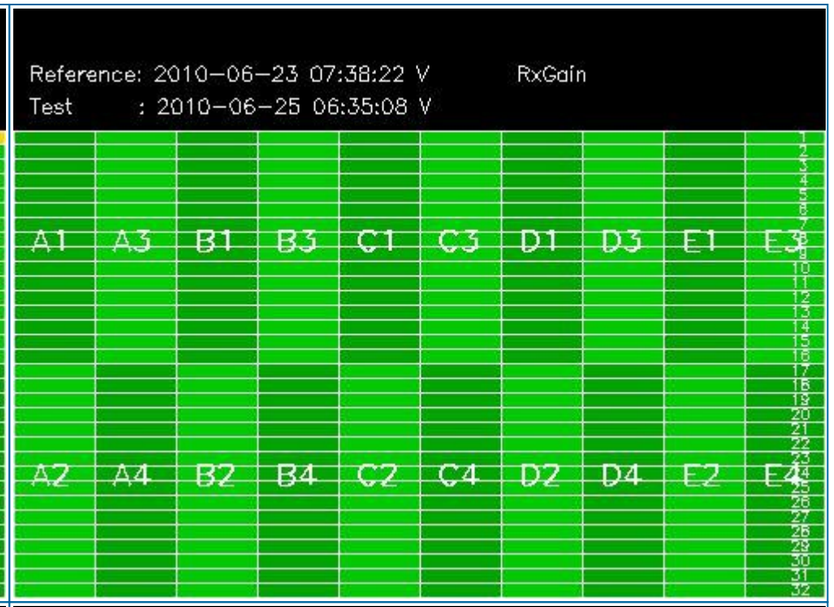
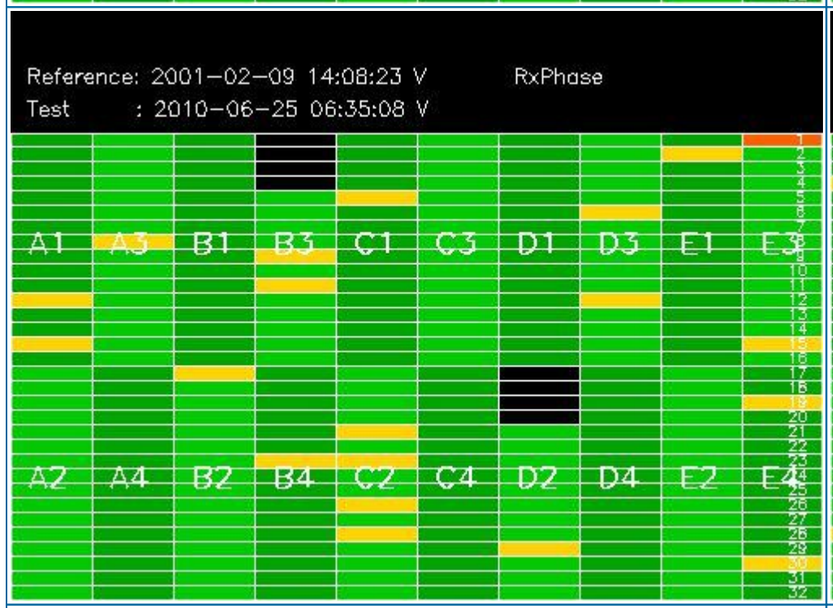
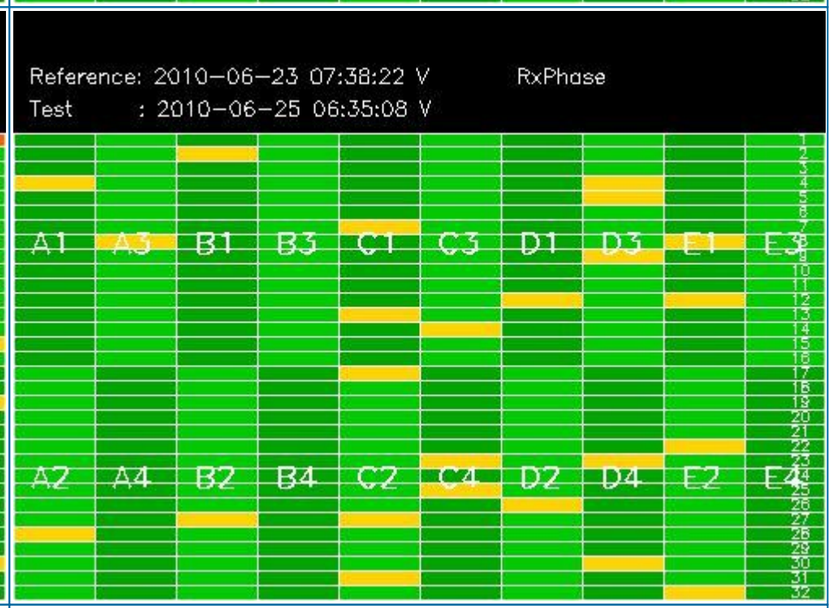
3 - MODULE STEPPING PRODUCTS ANALYSIS

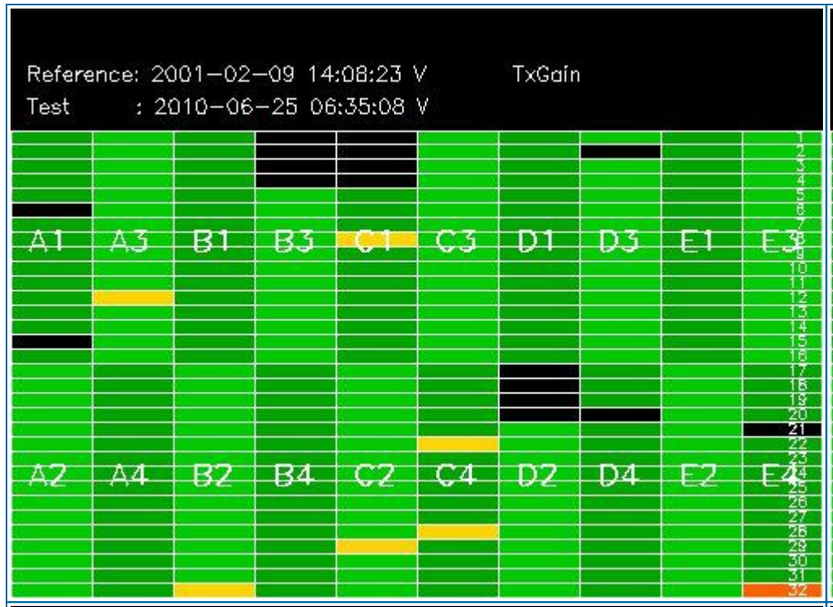
SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation

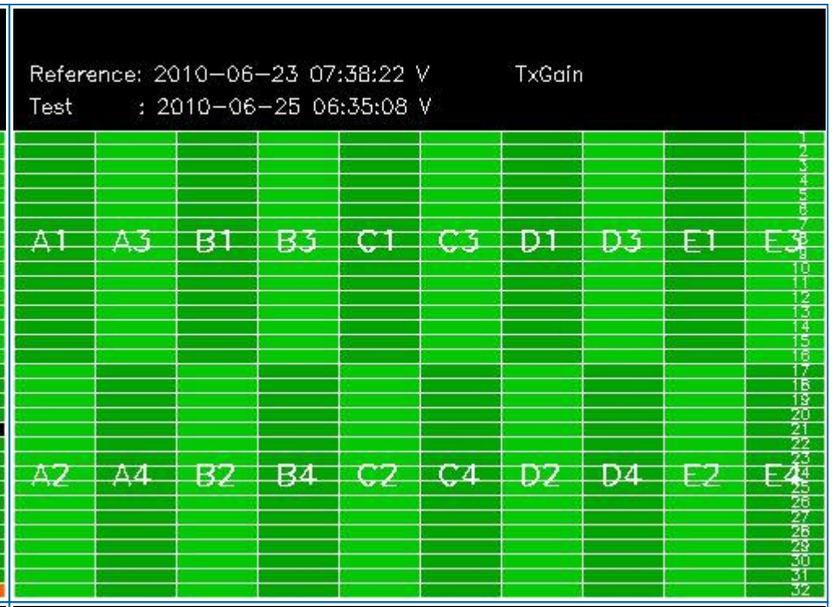

Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
RxGain
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4

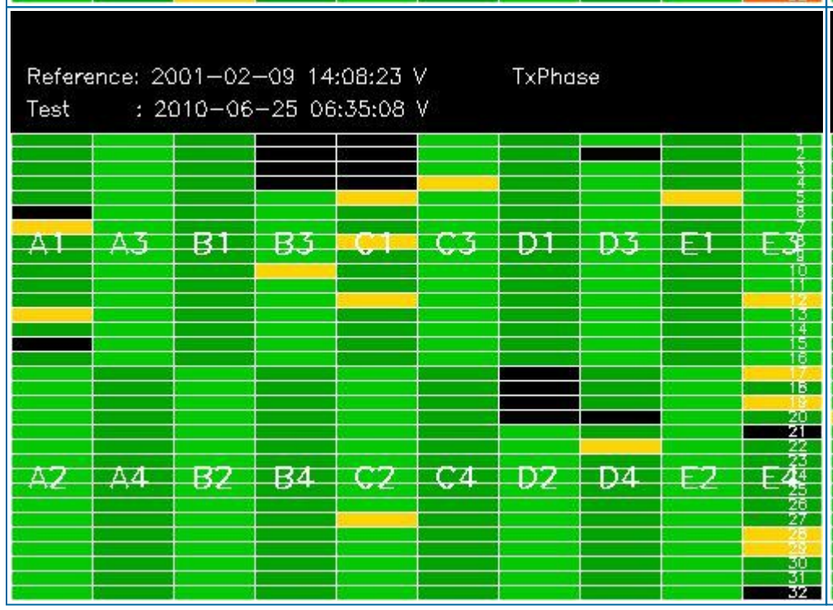

Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
RxGain
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4

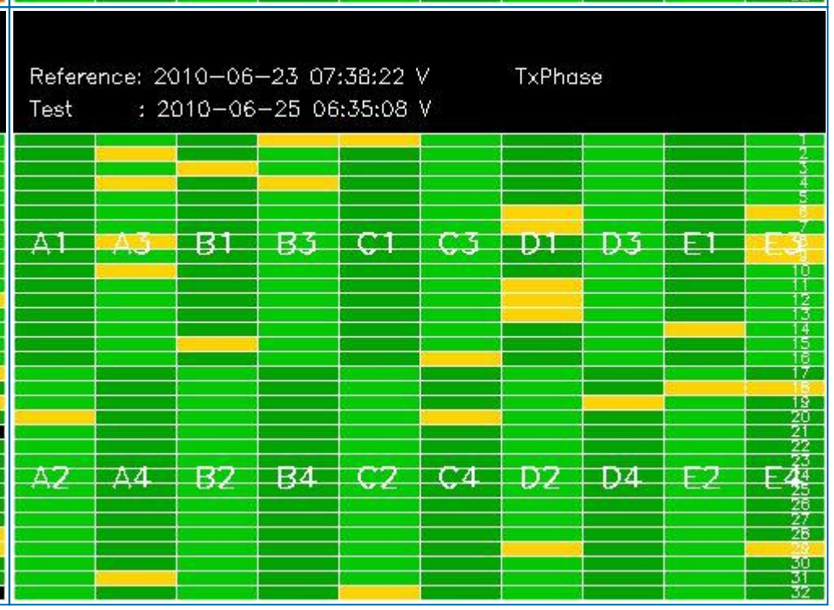

Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
RxPhase
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4


Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
RxPhase
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4





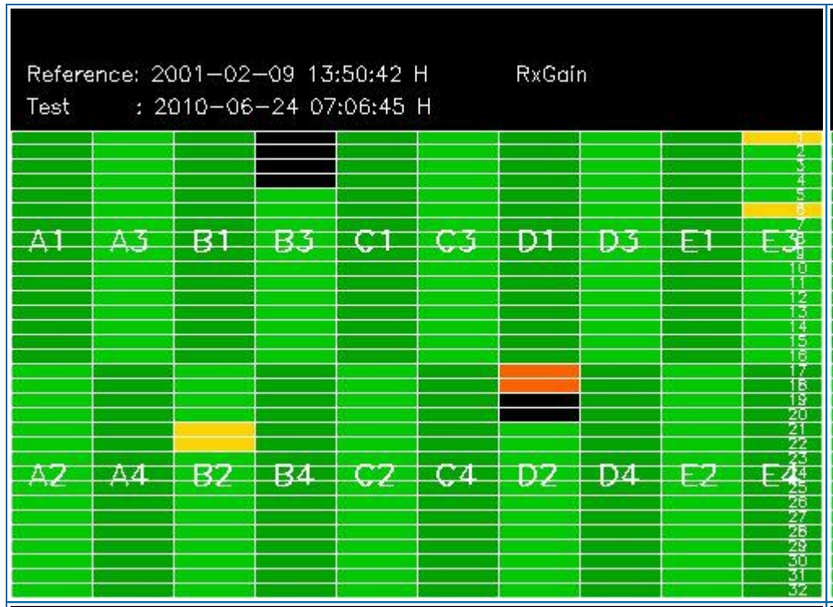


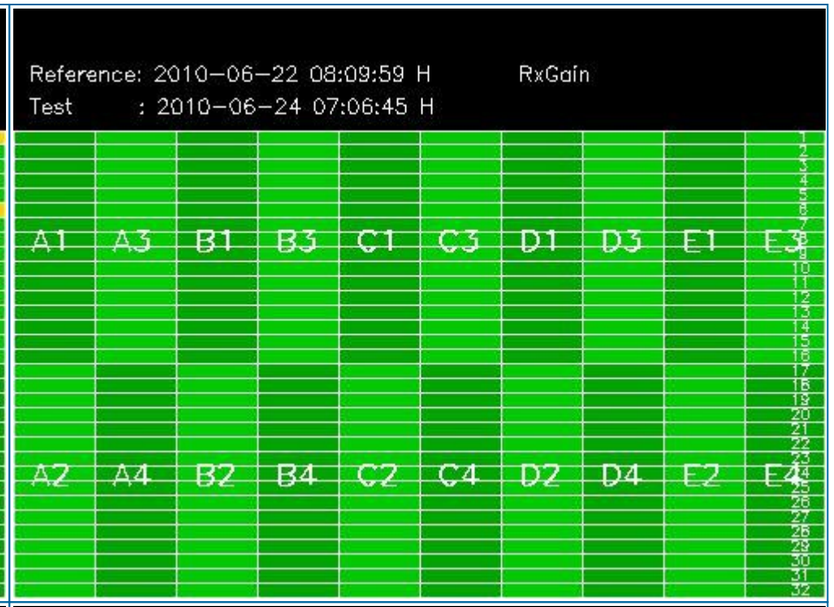


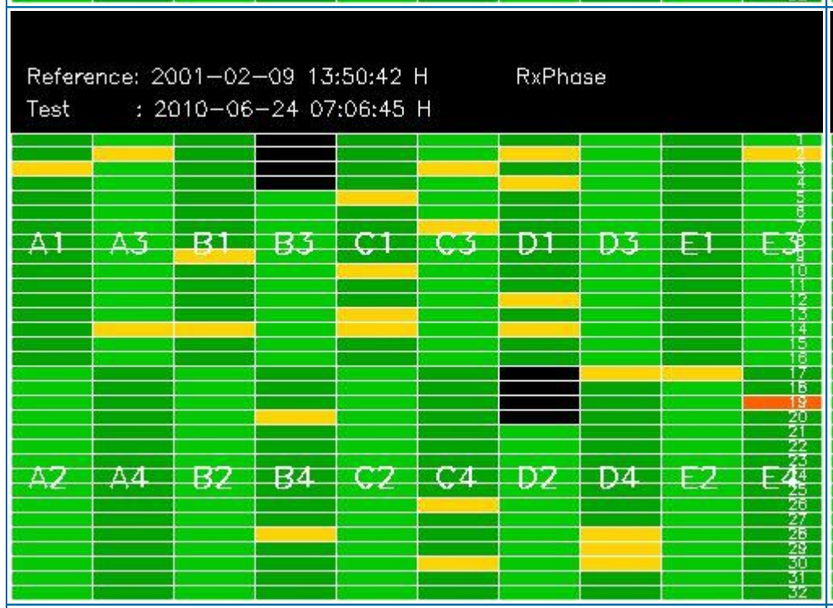
3.2 **- H/H polarisation**

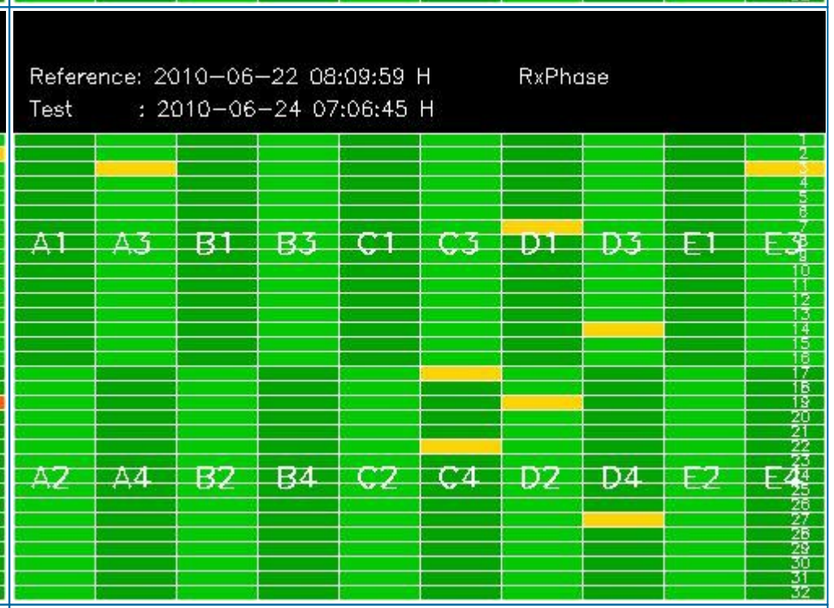
[BACK TO MENU]

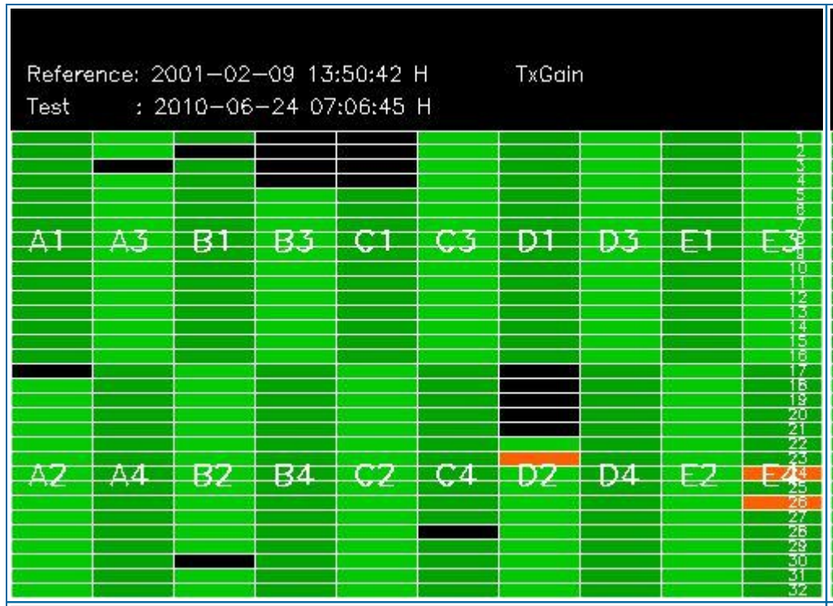
SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation

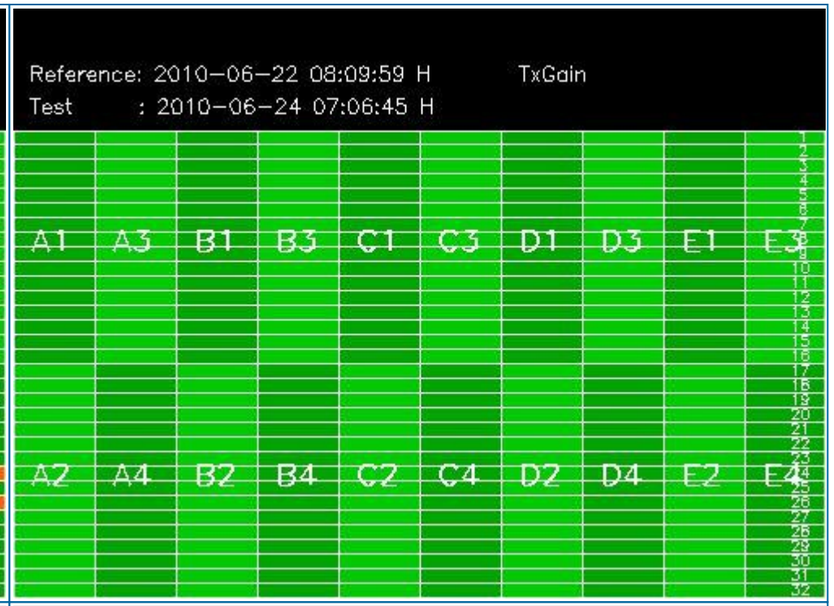

Reference: 2001-02-09 13:50:42 H
Test : 2010-06-24 07:06:45 H
RxGain
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4

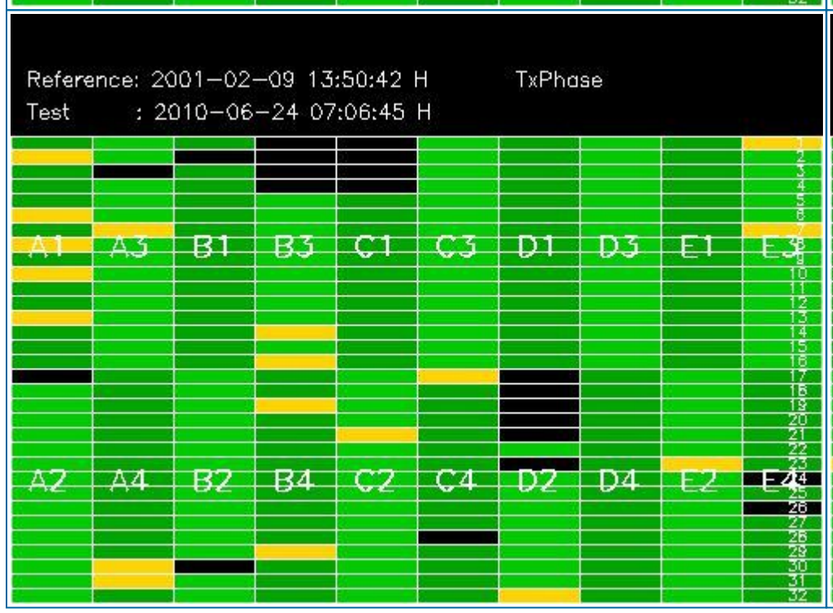

Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
RxGain
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4

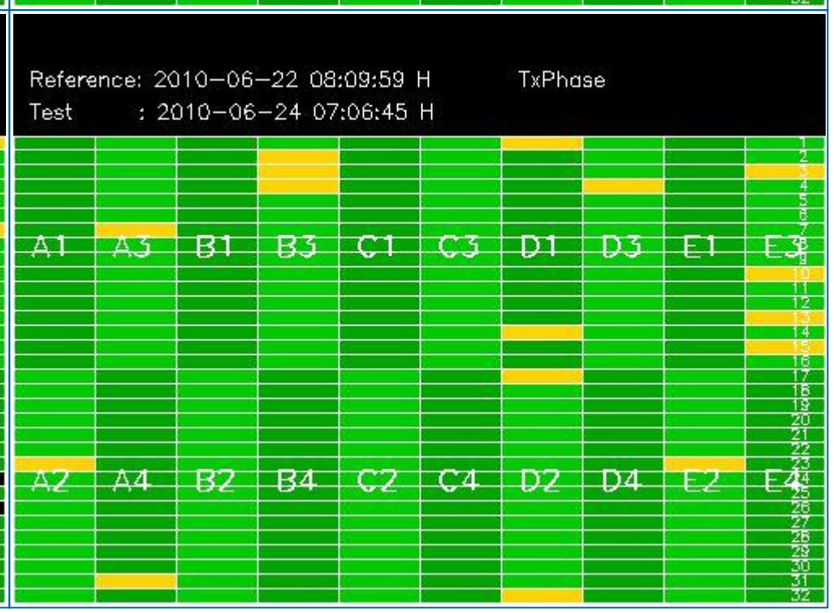

Reference: 2001-02-09 13:50:42 H
Test : 2010-06-24 07:06:45 H
RxPhase
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4


Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
RxPhase
A1 A3 B1 B3 C1 C3 D1 D3 E1 E3
A2 A4 B2 B4 C2 C4 D2 D4 E2 E4









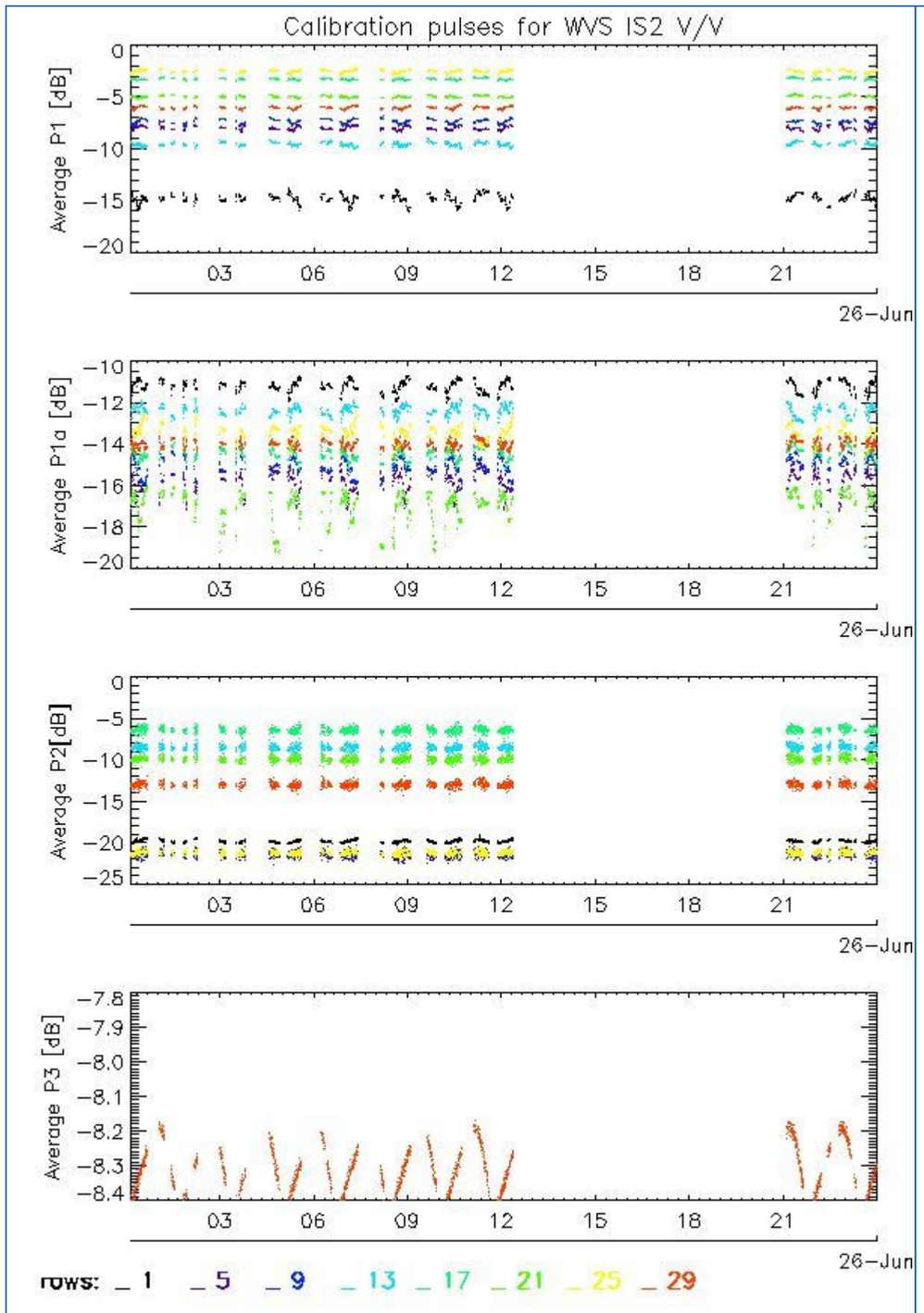
4 - CALIBRATION PULSES ANALYSIS

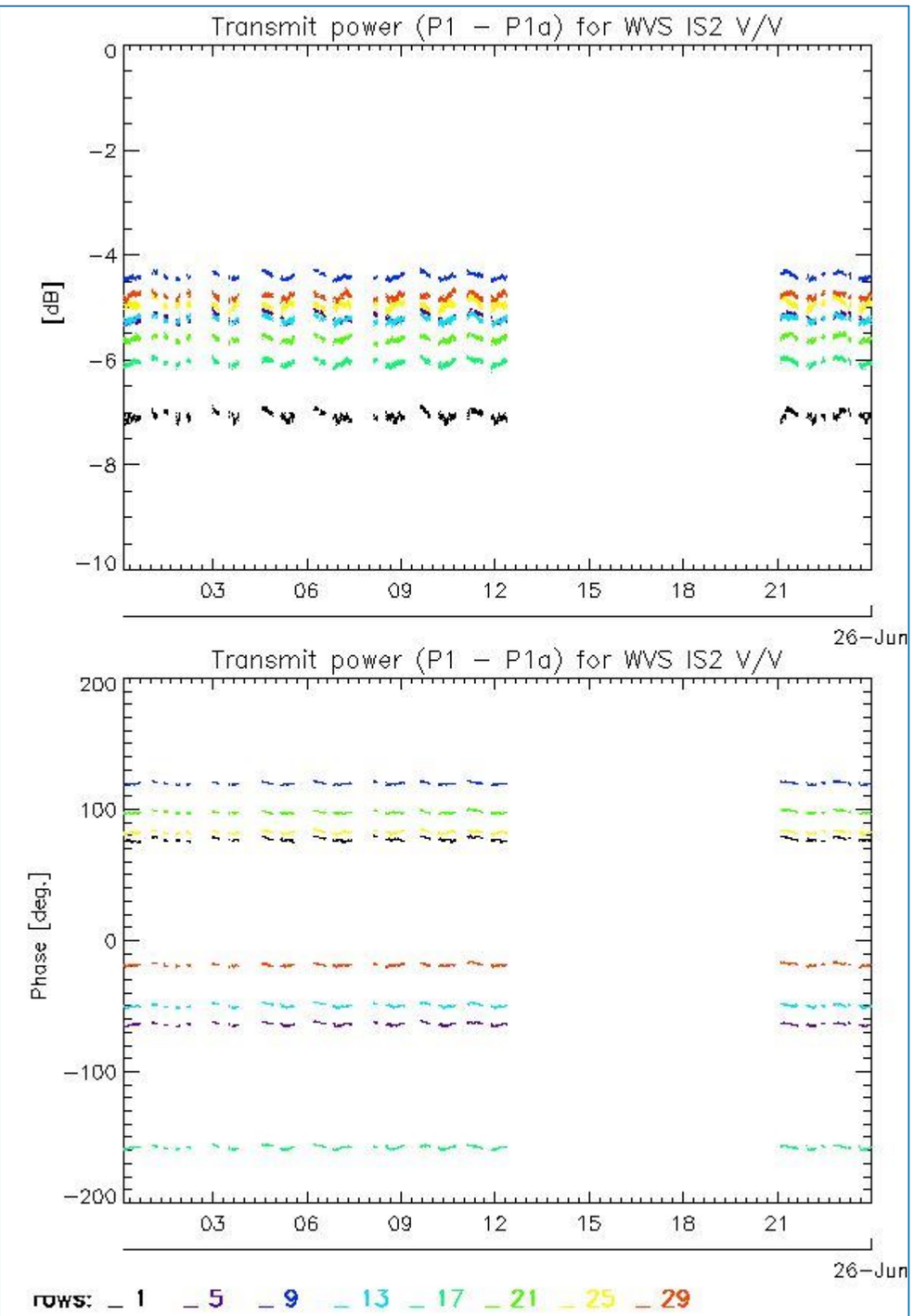
4.1 - Analysis for WVS IS2 V/V

4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

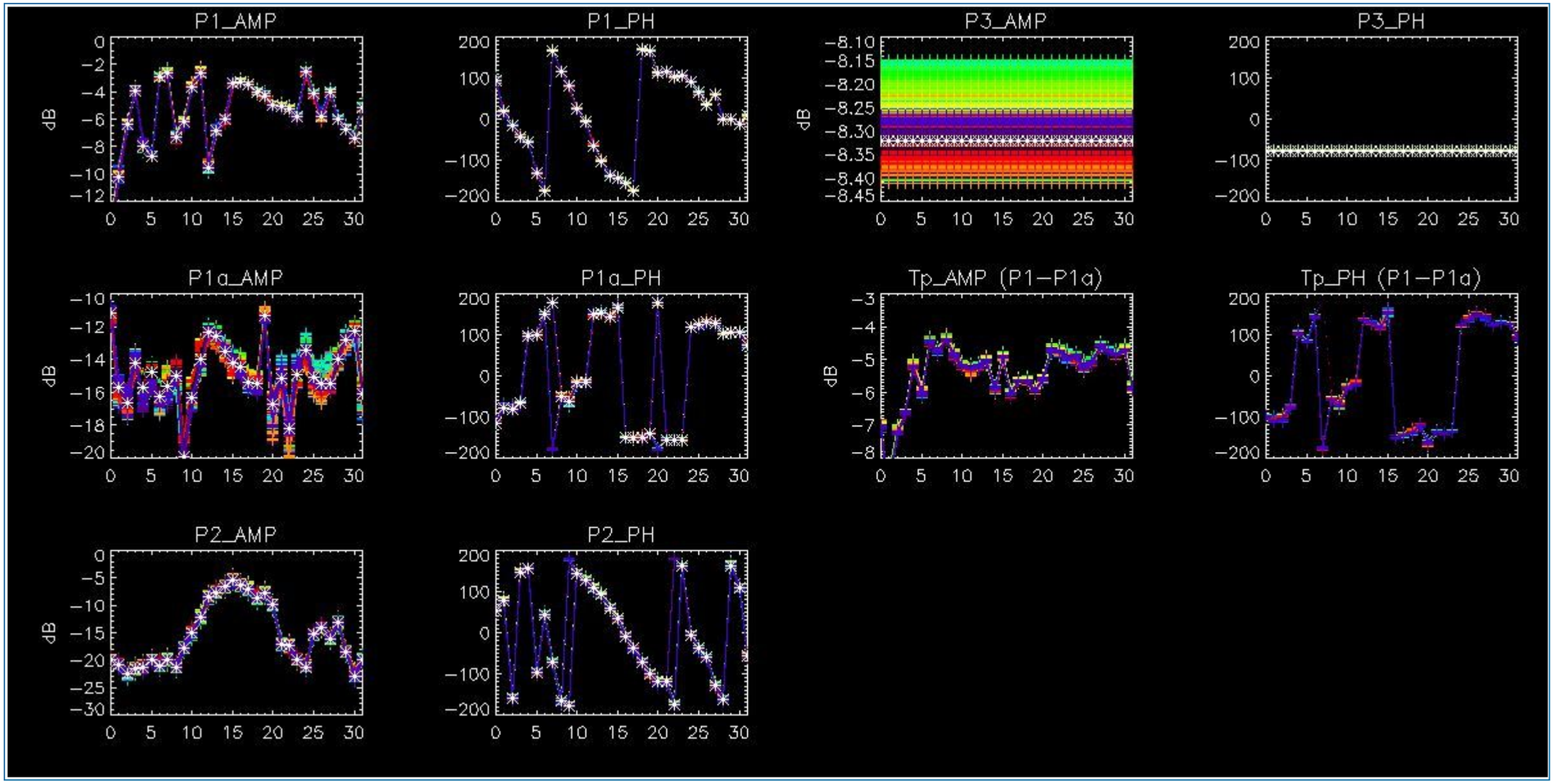
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]	Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]





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

[BACK TO MENU]

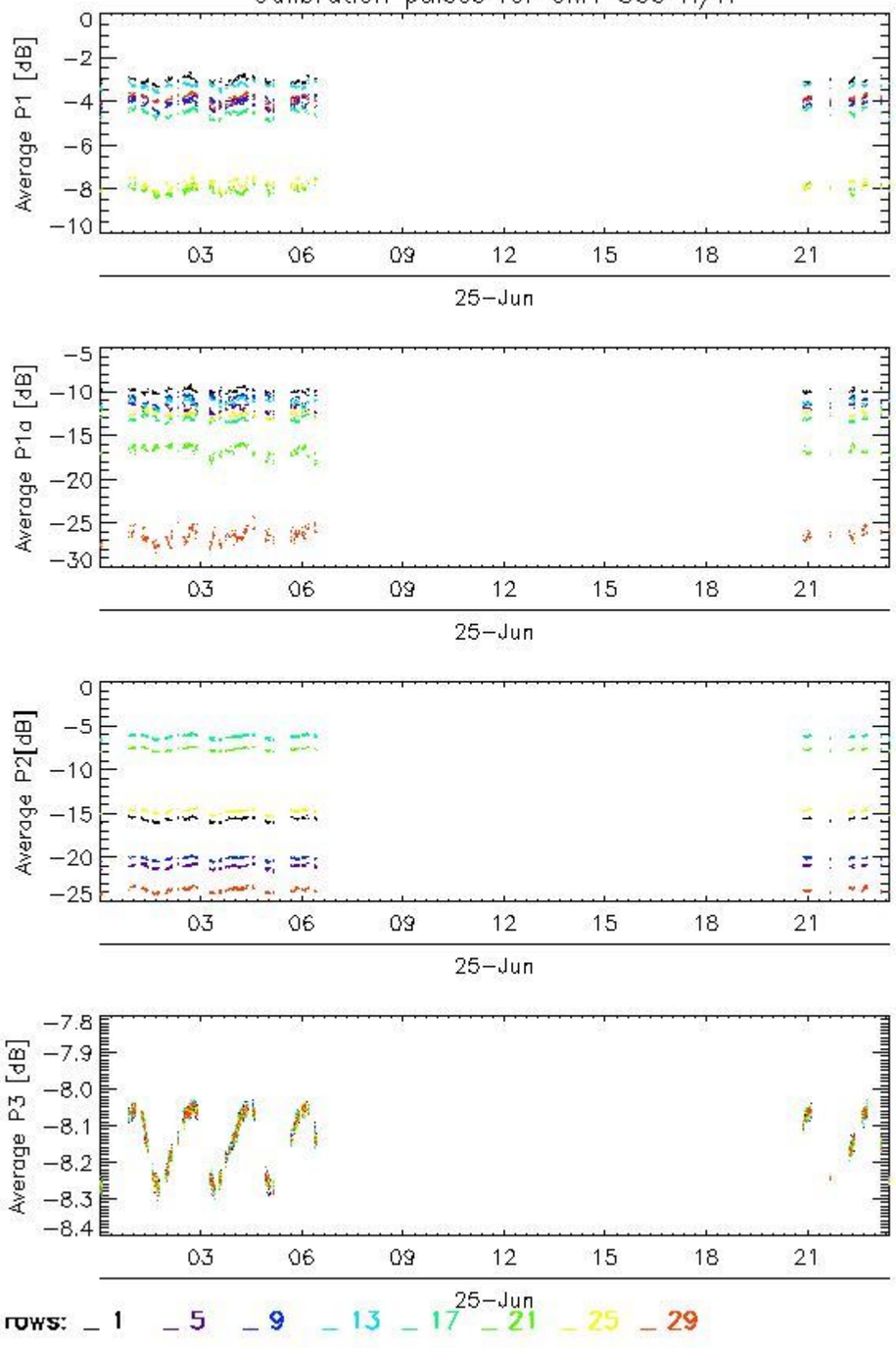


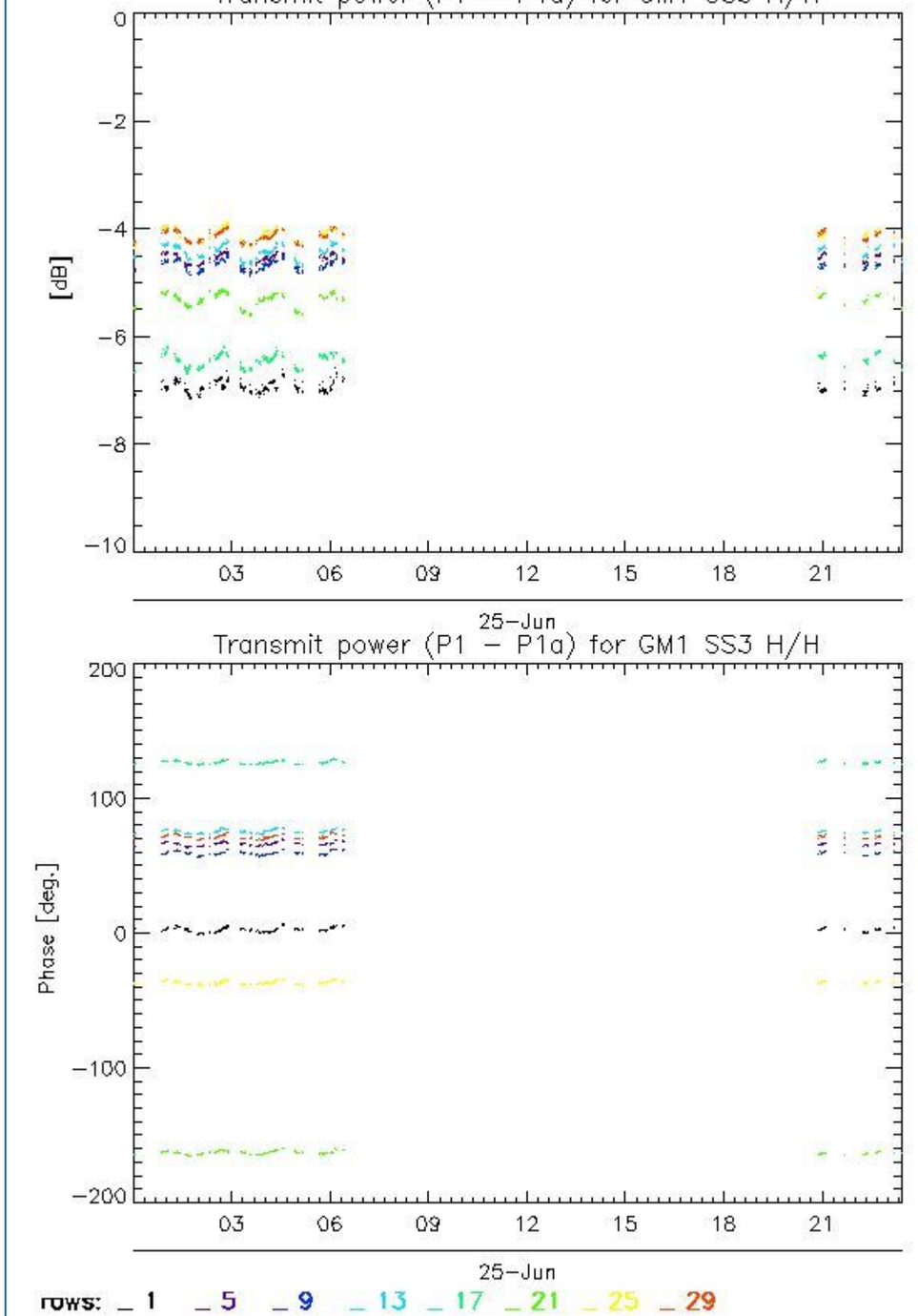
4.2 - Analysis for GM1 SS3 H/H

4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

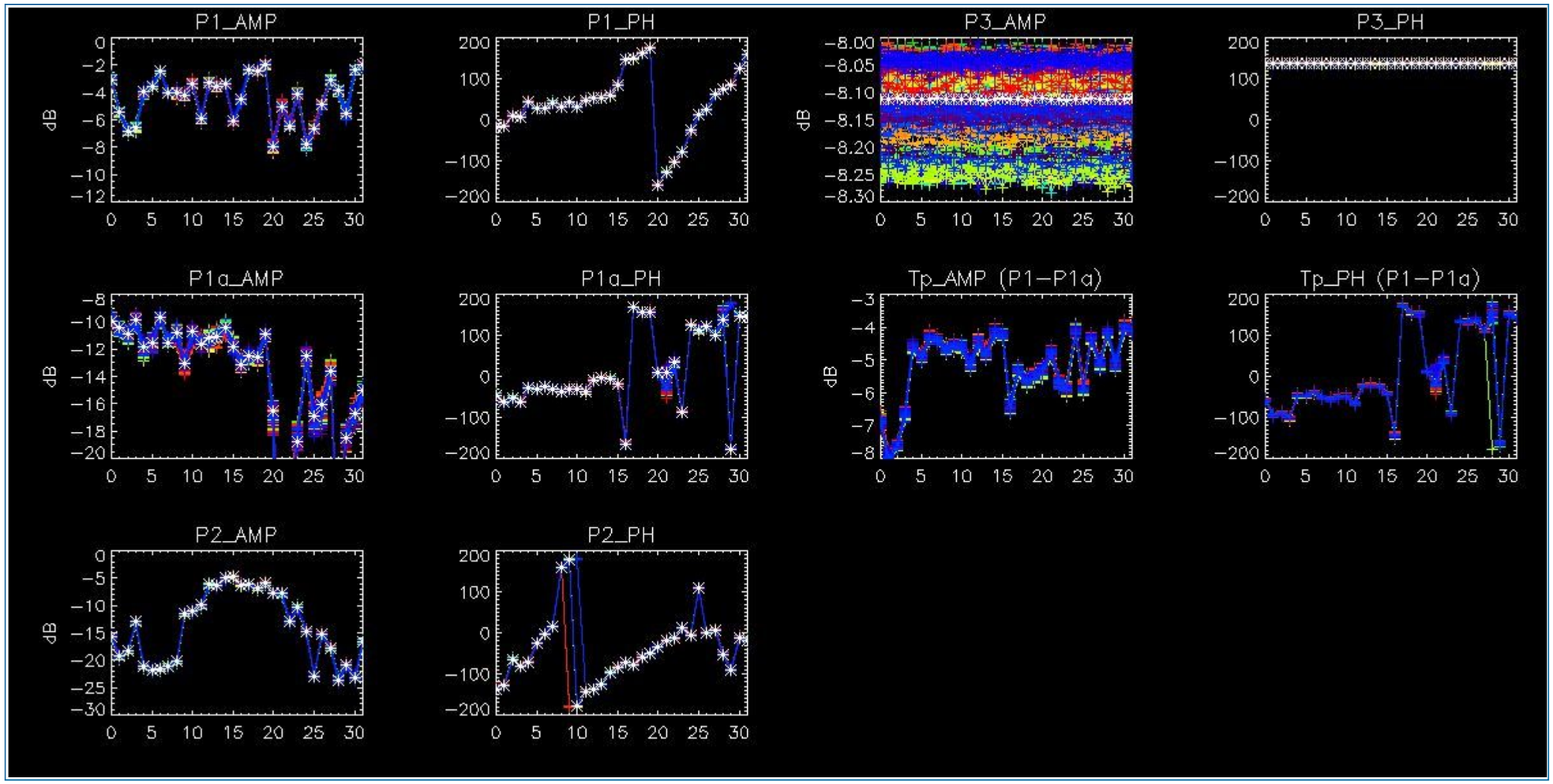
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]	Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]





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

[BACK TO MENU]

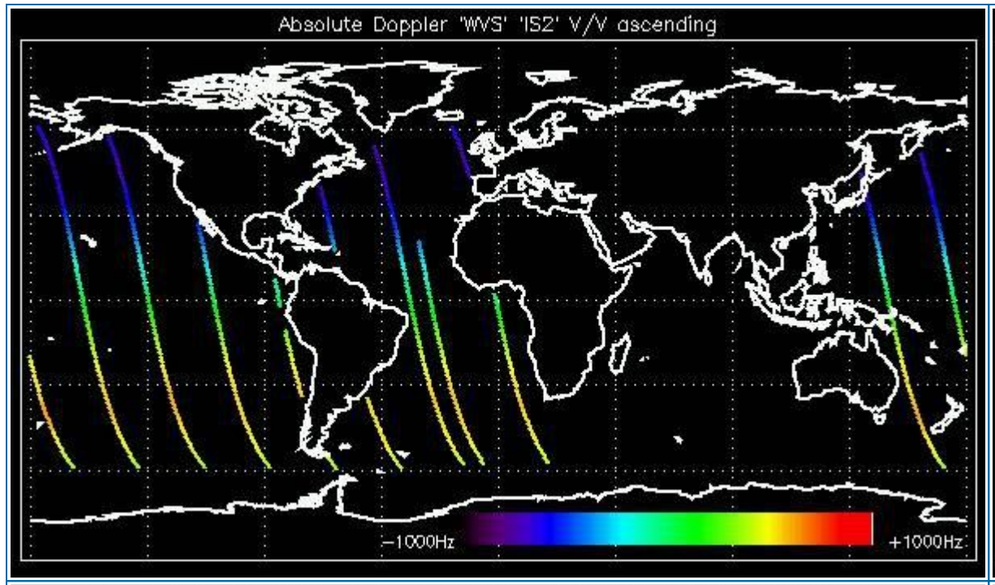


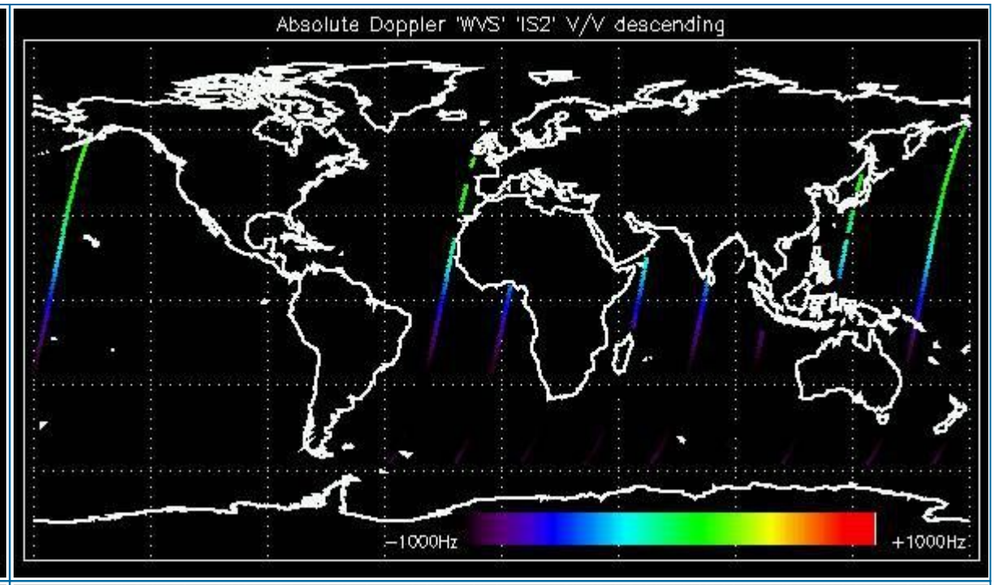
5 - DOPPLER ANALYSIS

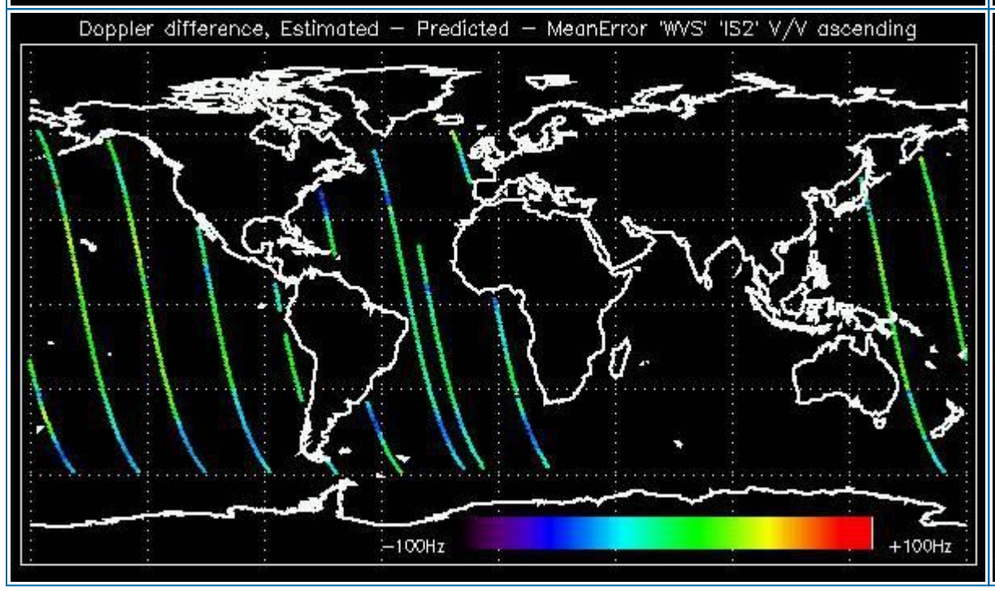
5.1 - Analysis for WVS IS2 V/V

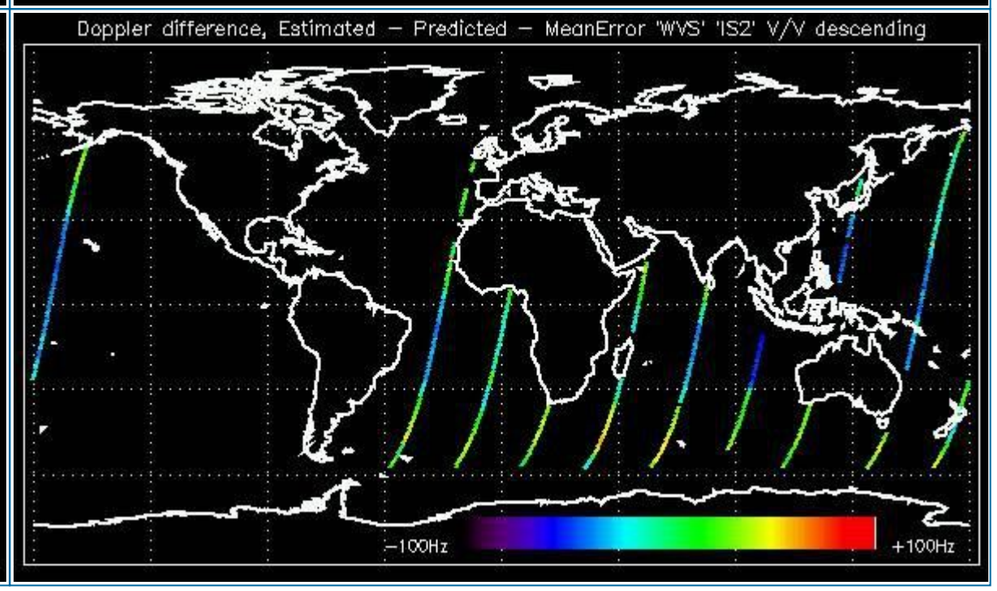
5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[BACK TO MENU]



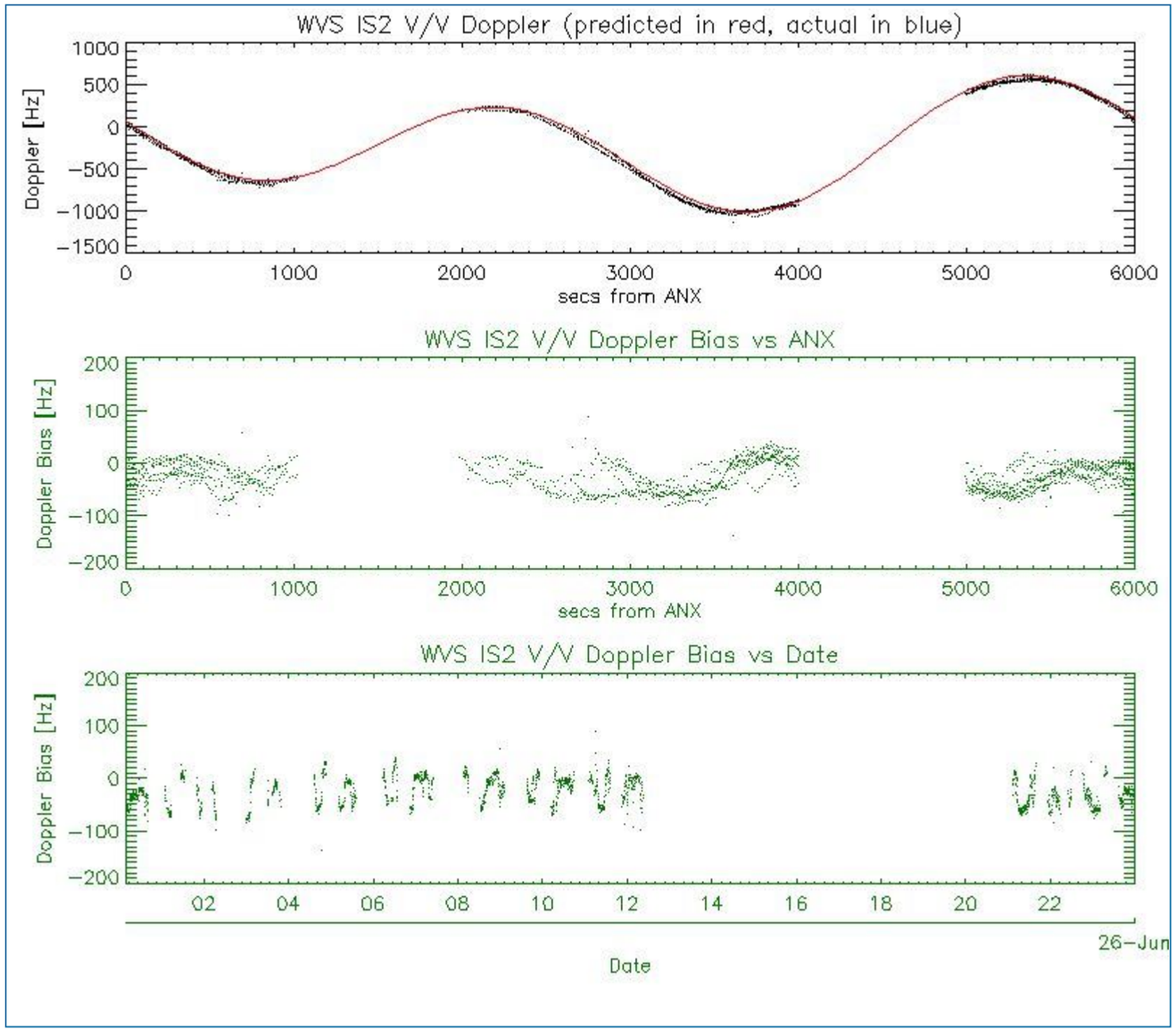






5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

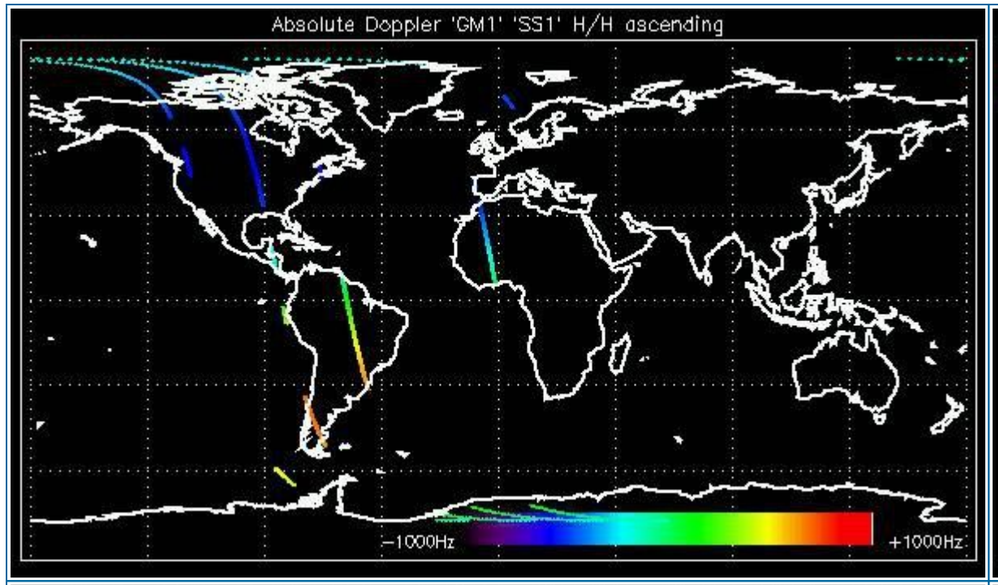
[BACK TO MENU]

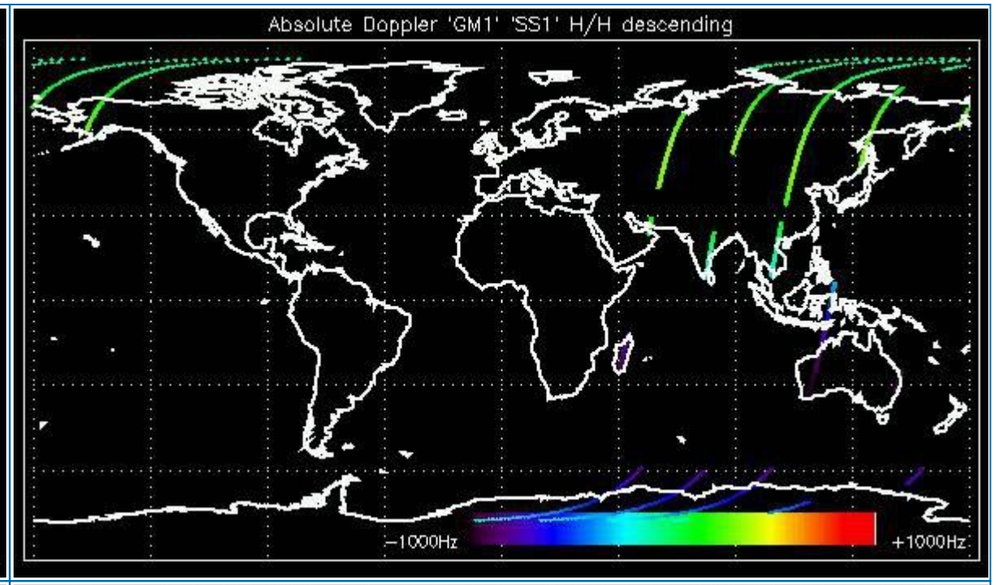


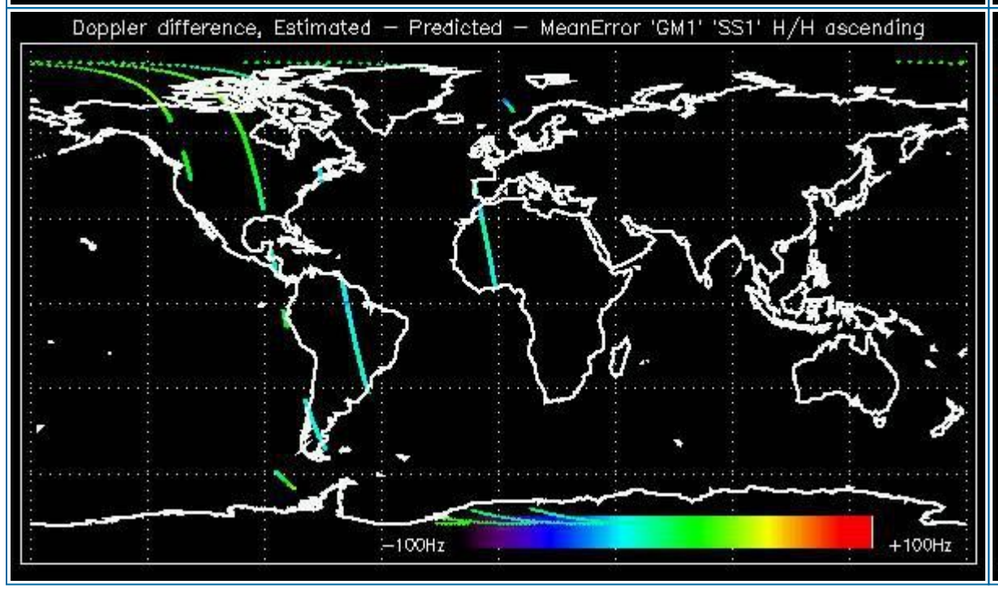
5.2 - Analysis for GM1 SS1 H/H

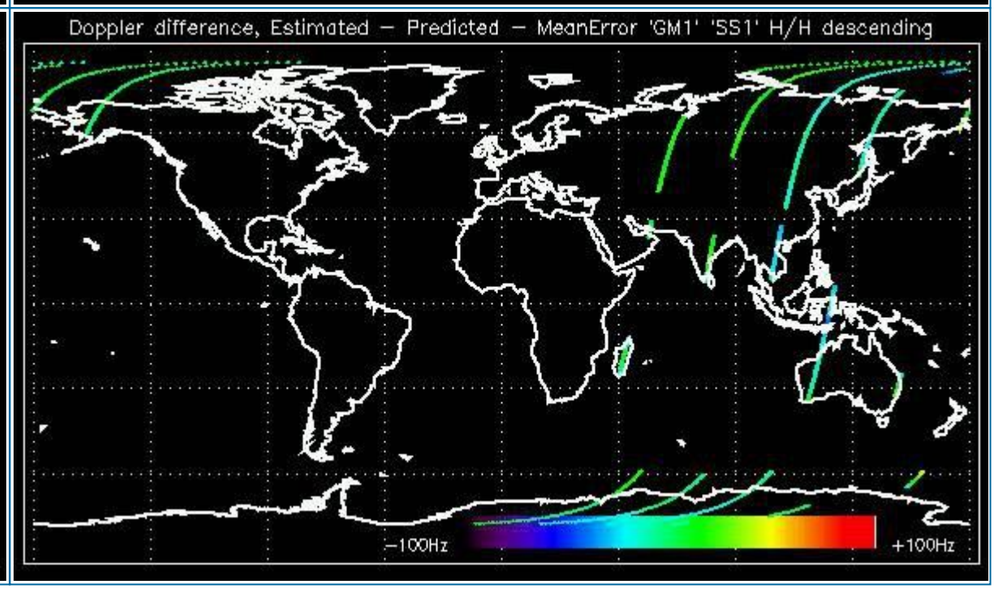
5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[BACK TO MENU]



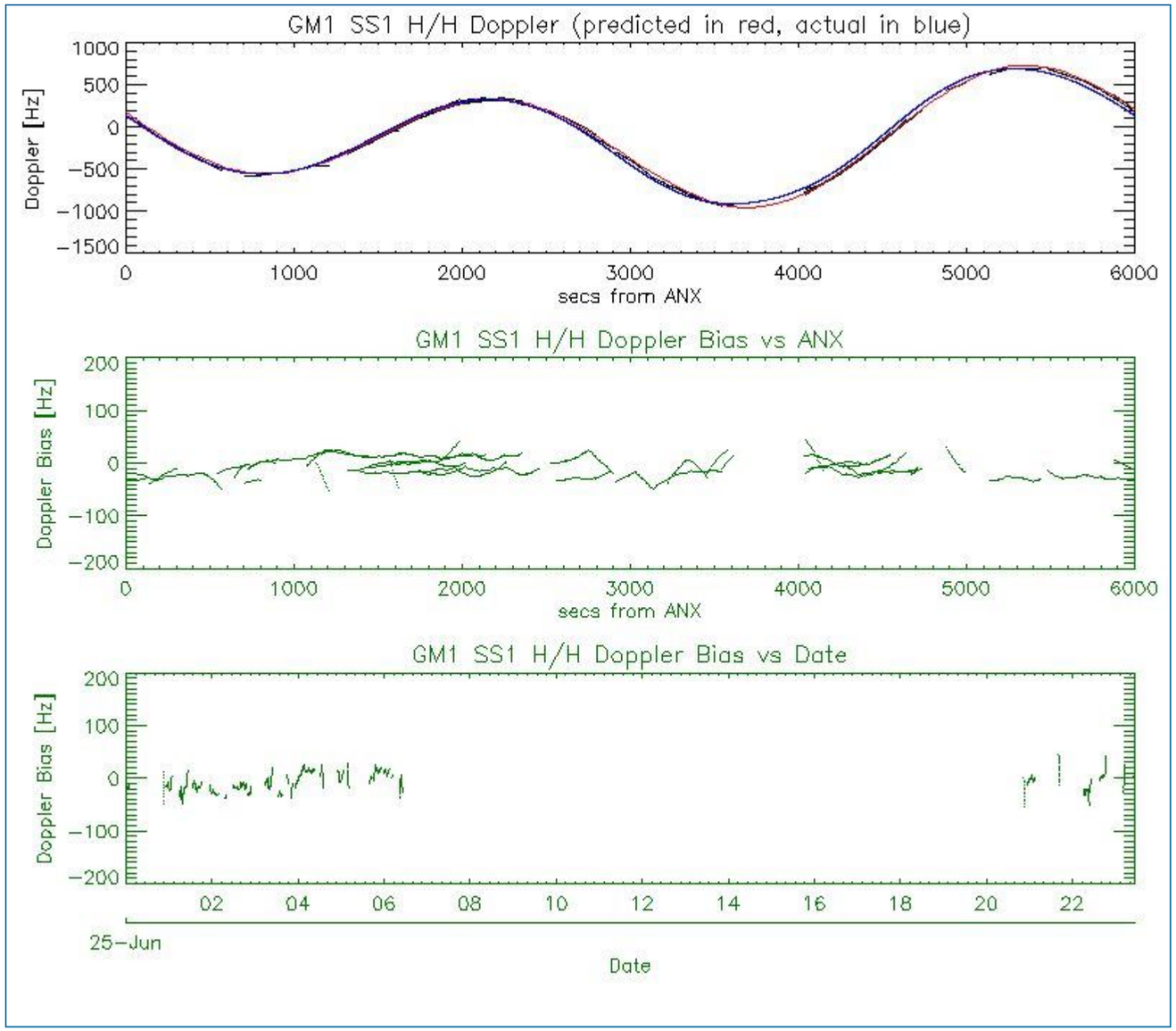






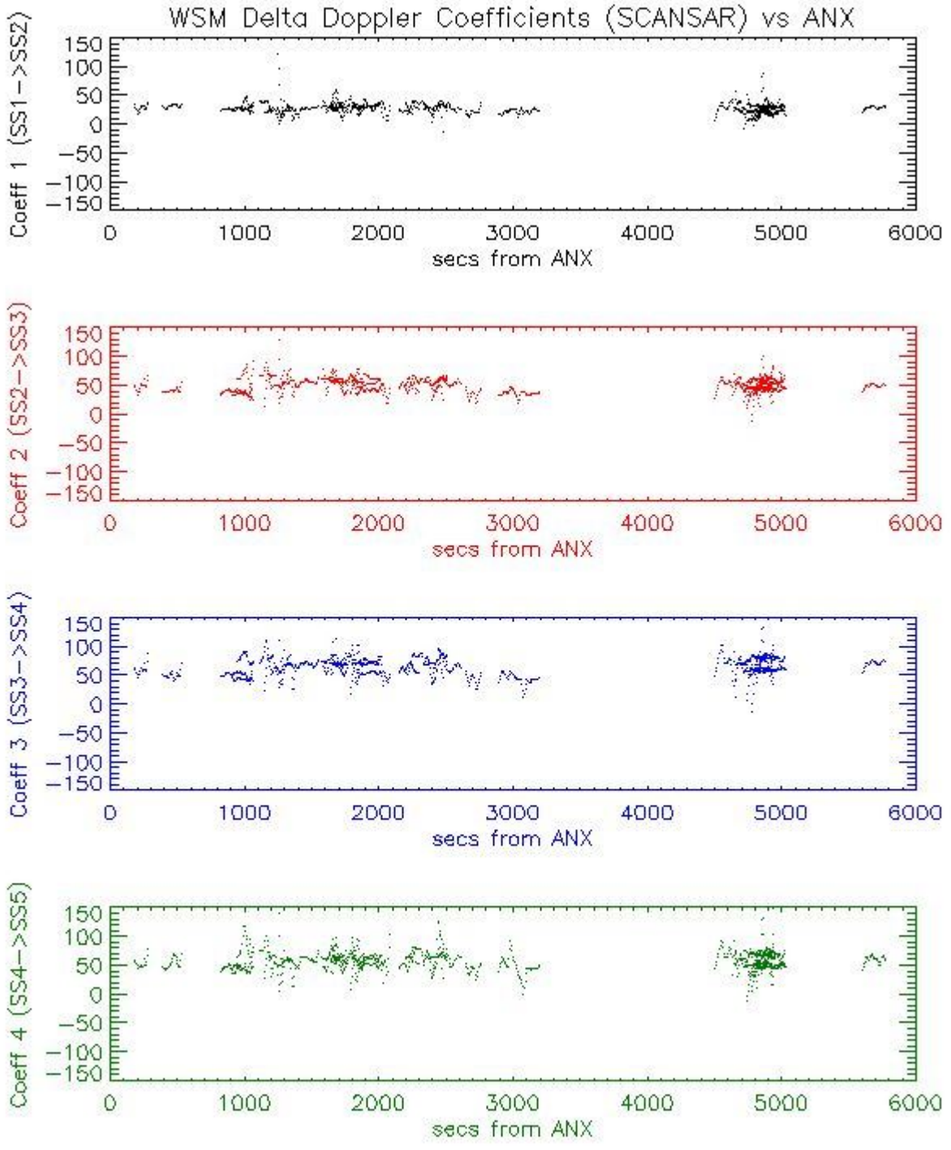
5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

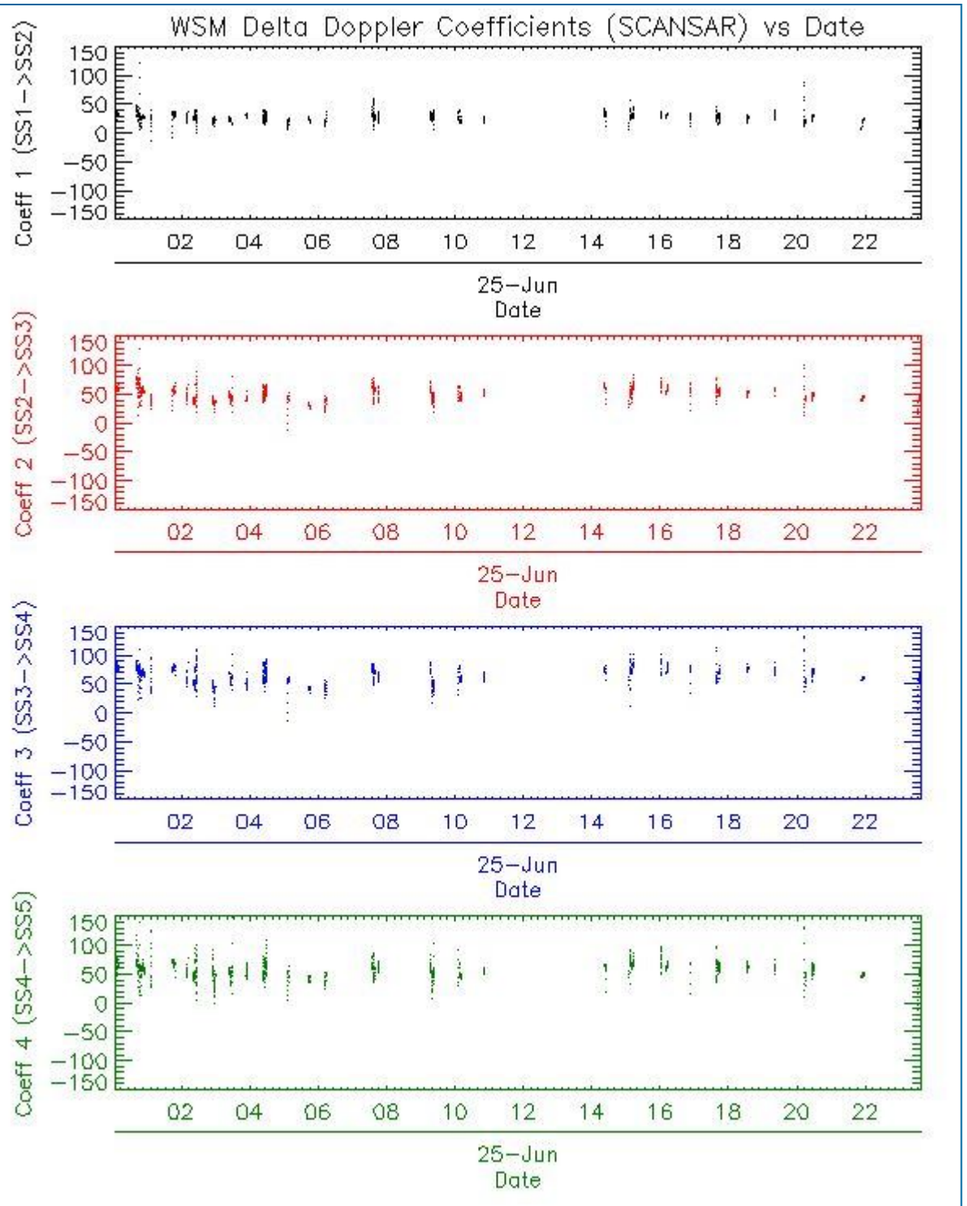
[BACK TO MENU]



5.3 - **Doppler JUMPS Analysis for WSM**

[BACK TO MENU]



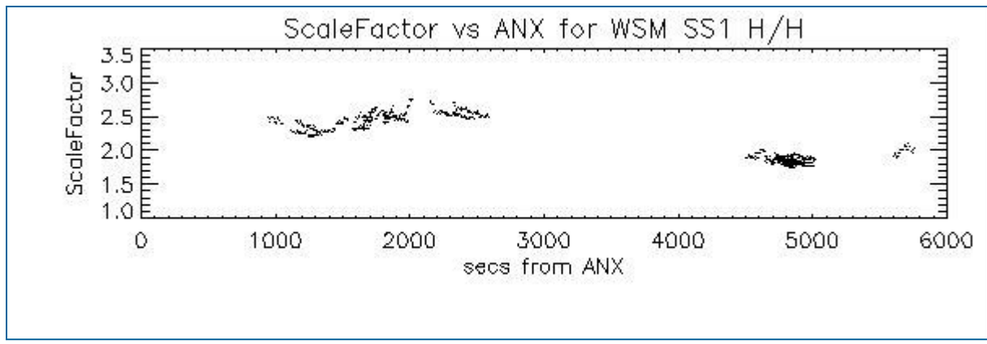


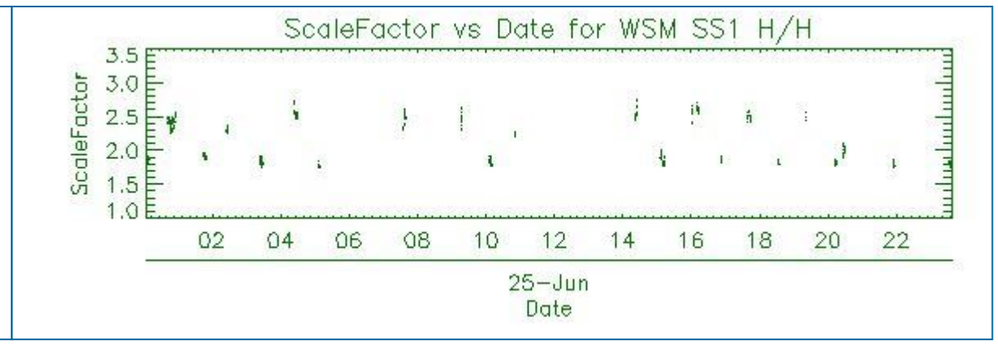
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[BACK TO MENU]

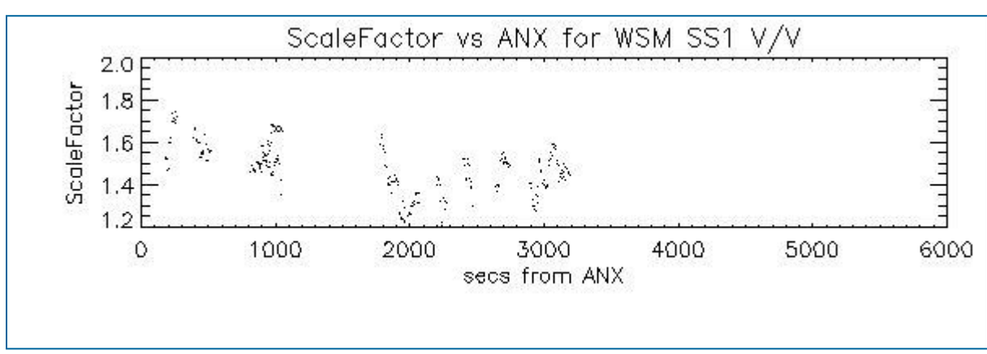


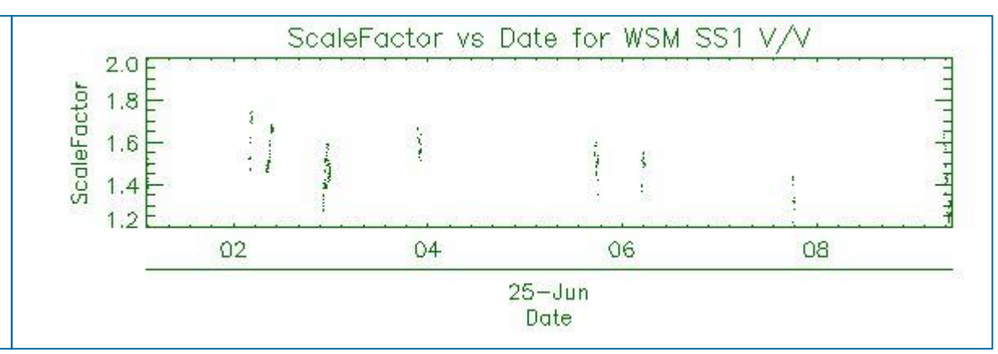


6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[BACK TO MENU]

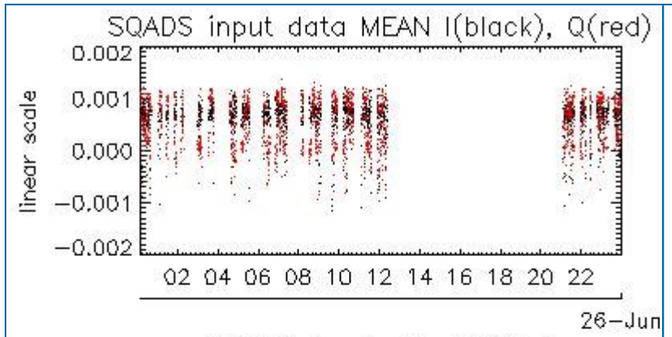


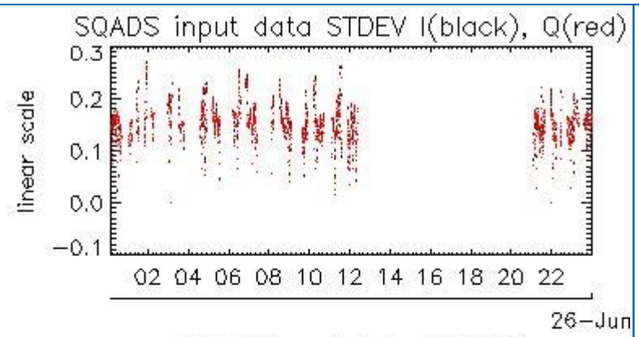


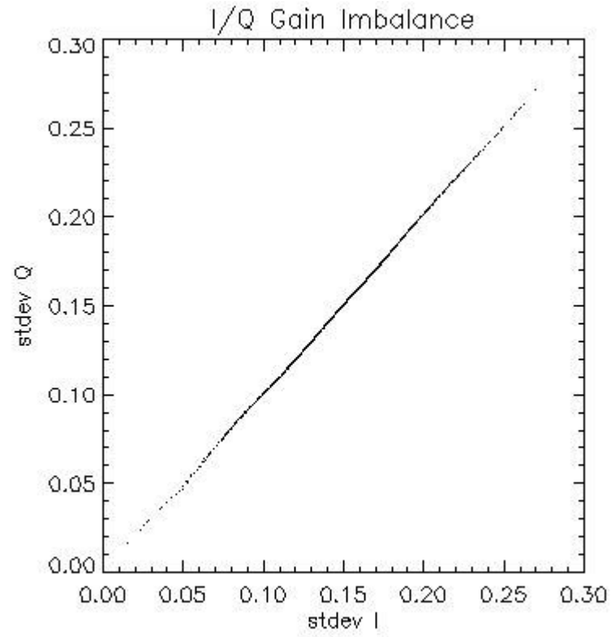
7 - RAW DATA ANALYSIS

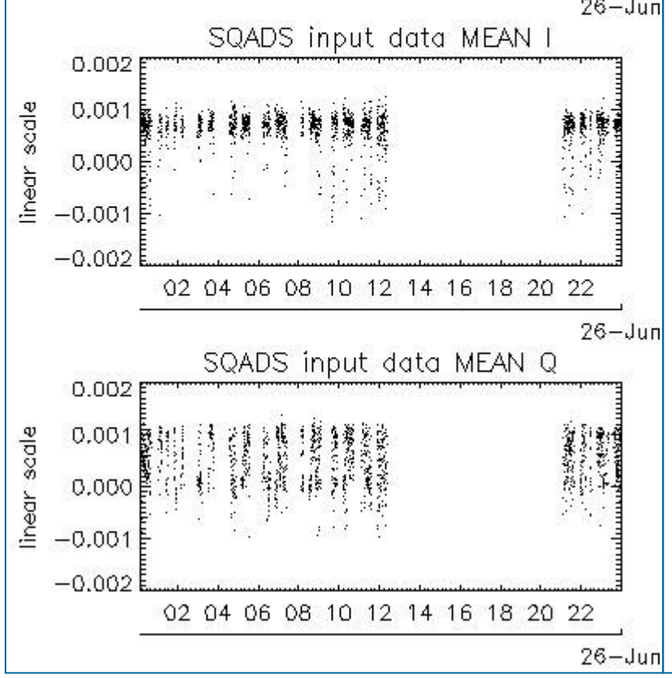
7.1 - Analysis for WVS

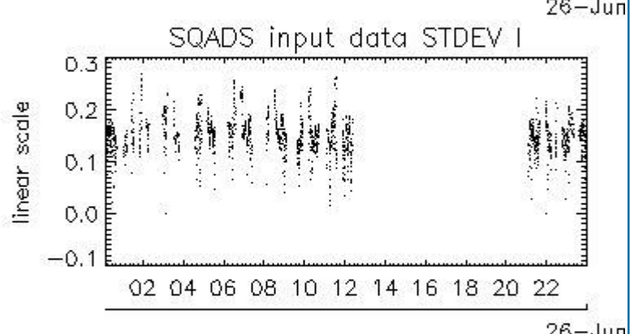
[BACK TO MENU]

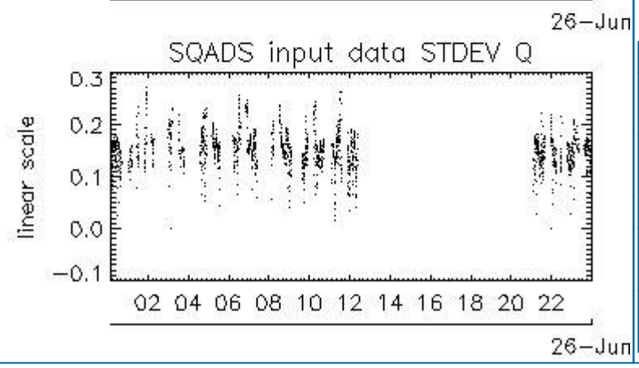








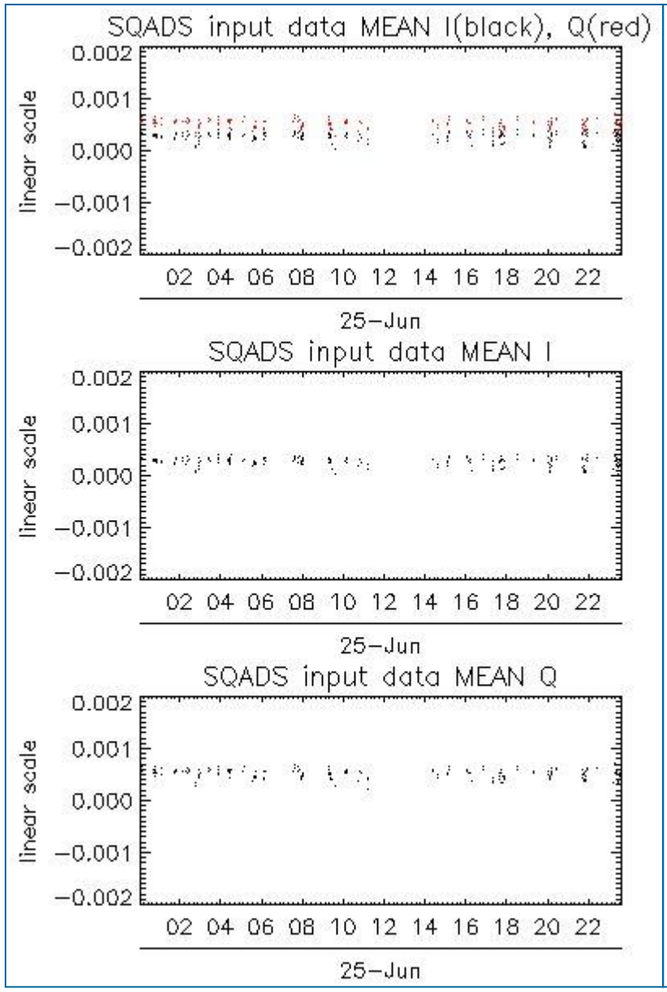


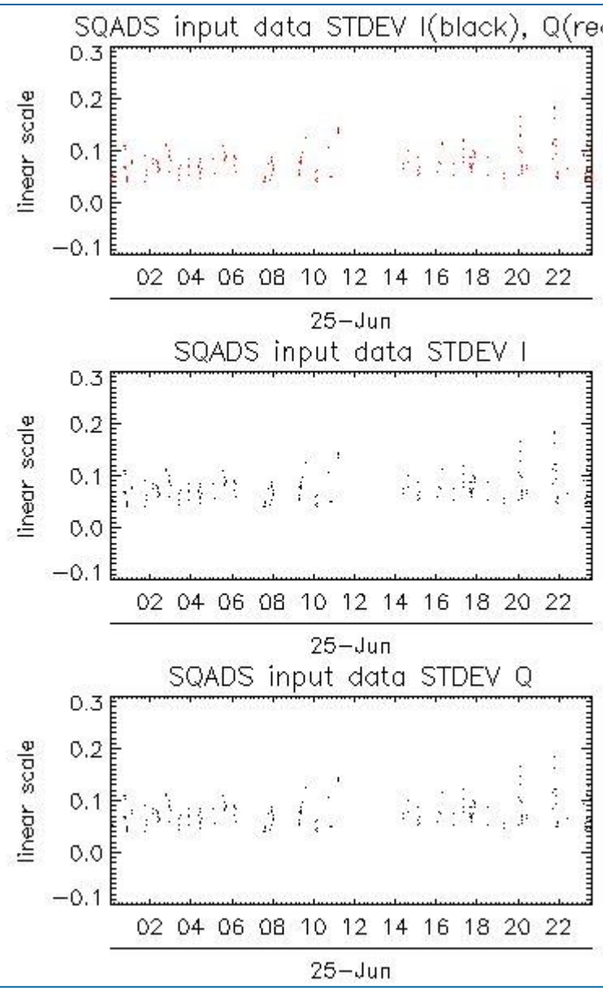


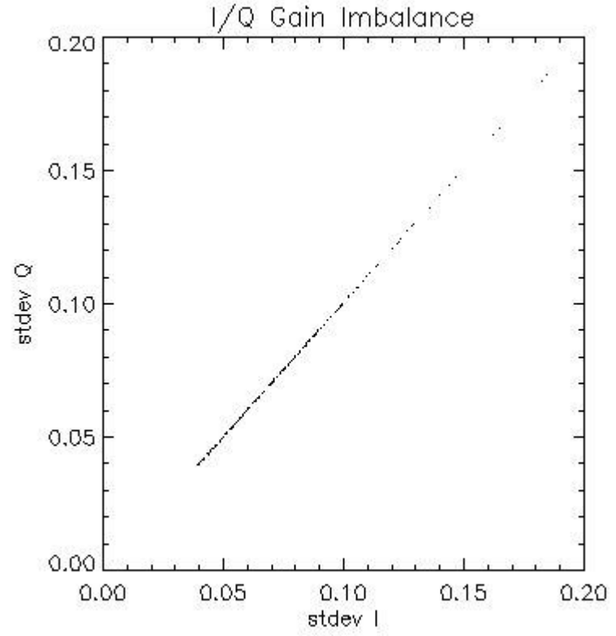
Channel	Statistics	DSS-B
MEAN I	mean	0.000636892
	stdev	1.03121e-07
MEAN Q	mean	0.000516973
	stdev	2.05984e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.149551
	stdev	0.00117550
STDEV Q	mean	0.150058
	stdev	0.00119953

7.2 - Analysis for IMM

[BACK TO MENU]





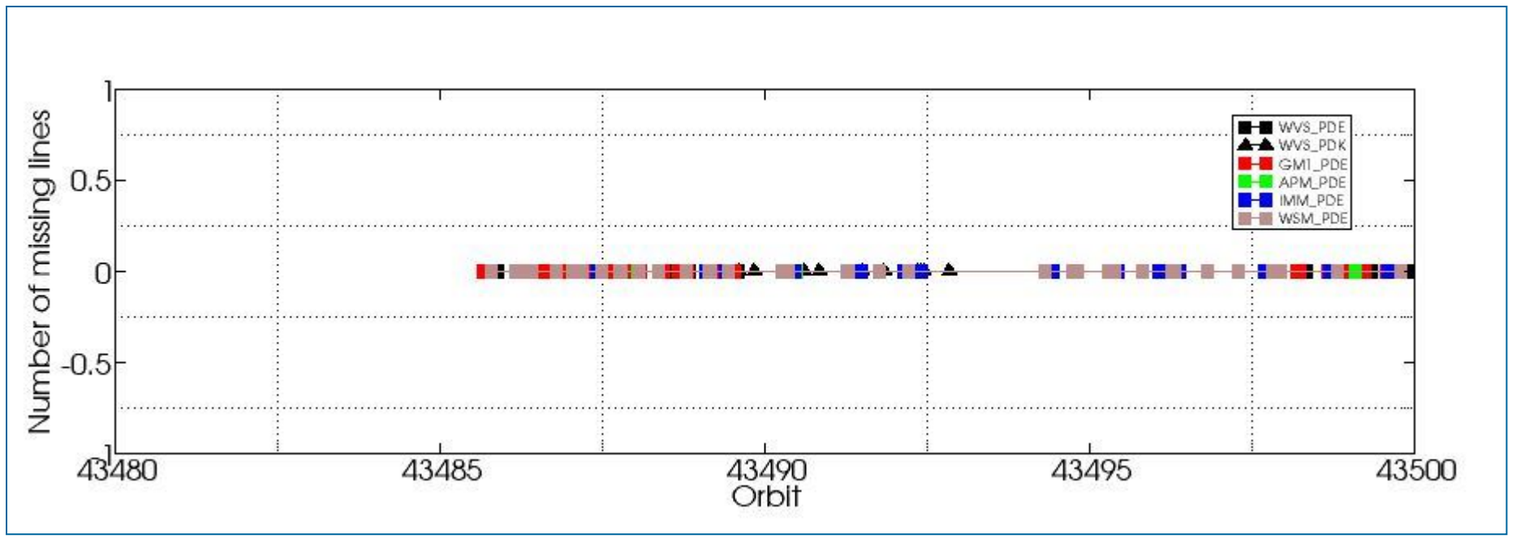


Channel	Statistics	DSS-B
MEAN I	mean	0.000269172
	stdev	6.70252e-09
MEAN Q	mean	0.000523675
	stdev	7.89069e-09
Channel	Statistics	DSS-B
STDEV I	mean	0.0764043
	stdev	0.000708063
STDEV Q	mean	0.0766984
	stdev	0.000717085

8 - TELEMETRY ANALYSIS

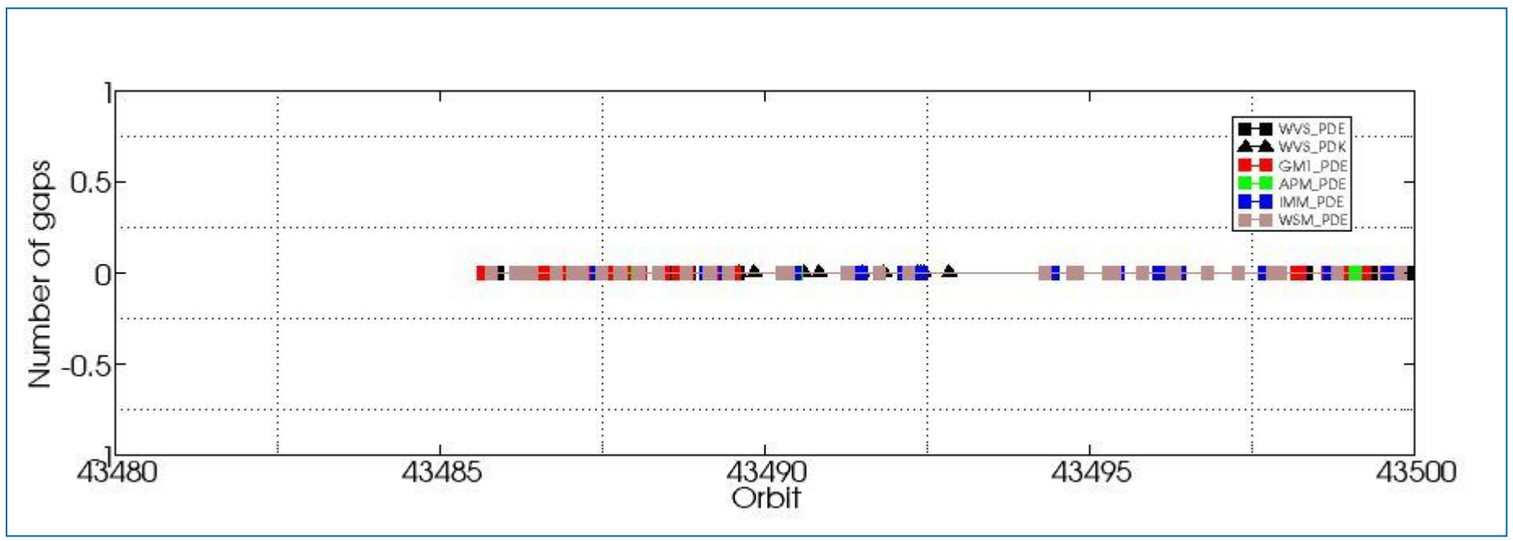
8.1 - Number of Missing lines

[BACK TO MENU]



8.2 - Number of Gaps

[BACK TO MENU]



```
######################################################################
ASAR DAILY REPORT for 100625
######################################################################

MODE: DAILY
ANALYSIS: ALL
DATE: YESTERDAY

Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/


DATA SUMMARY
######################################################################
Summary will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_100625/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/Data_summary.html...

**************************************************
Getting WVS products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_WVS_products_used.txt...

**************************************************
Getting GM1 products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_GM1_products_used.txt...

**************************************************
Getting APM products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_APM_products_used.txt...

**************************************************
Getting IMM products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_IMM_products_used.txt...

**************************************************
Getting WSM products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_WSM_products_used.txt...

**************************************************
Getting MS products list from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_100625/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
######################################################################




AUXILIARY FILES ANALYSIS
######################################################################
Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/AUXILIARY

Creating directory ./RESULTS/DAILY/_100625/AUXILIARY...


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

```
ADF filter 20100625*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_100625/AUXILIARY/ASAR_ADFs_IECF_List3.html...


AUXILIARY FILES ANALYSIS completed
######################################################################




MODULE STEPPING ANALYSIS
######################################################################
Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_100625/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_100625/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

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

Exporting results to the directory ../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE...

Polarization:  H
Reference product:  ASA_MS__0PNPDK20010209_135042_00000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20100624_070645_000000162090_00335_43475_0147.N1
      H
      H
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/TGH_20100624_070645-20010209_135042.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/TPH_20100624_070645-20010209_135042.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/RGH_20100624_070645-20010209_135042.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/RPH_20100624_070645-20010209_135042.png

Polarization:  V
Reference product:  ASA_MS__0PNPDK20010209_140823_00000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20100625_063508_000000162090_00349_43489_0148.N1
      V
      V
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/TGV_20100625_063508-20010209_140823.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/TPV_20100625_063508-20010209_140823.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/RGV_20100625_063508-20010209_140823.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/SECOND_REFERENCE/RPV_20100625_063508-20010209_140823.png

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

Exporting results to the directory ../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization:  H
Reference product:  ASA_MS__0PNPDK20100622_080959_000000162090_00307_43447_0145.N1
Test product: ASA_MS__0PNPDK20100624_070645_000000162090_00335_43475_0147.N1
      H
      H
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20100624_070645-20100622_080959.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20100624_070645-20100622_080959.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20100624_070645-20100622_080959.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20100624_070645-20100622_080959.png

Polarization:  V
Reference product:  ASA_MS__0PNPDK20100623_073822_000000162090_00321_43461_0146.N1
Test product: ASA_MS__0PNPDK20100625_063508_000000162090_00349_43489_0148.N1
```

```
      V
      V
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20100625_063508-20100623_073822.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20100625_063508-20100623_073822.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20100625_063508-20100623_073822.png
../../RESULTS/DAILY/_100625/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20100625_063508-20100623_073822.png

MODULE_STEPPING ANALYSIS completed
####################################################################



CALIBRATION PULSES ANALYSIS
####################################################################
Creating directory ./RESULTS/DAILY/_100625/CALIBRATION_PULSES...


********************************************************************************
********************************************************************************
ALL ROWS Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59

Analysing products WVS IS2 V/V
Writing image ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...
Analysing products GM1 SS3 H/H
Writing image ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...


********************************************************************************
********************************************************************************
TEMPORAL EVOLUTION Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59

Analysing products WVS IS2 V/V
Getting calibration pulses data for WVS IS2 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-25_1.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...


Getting calibration pulses data for WVS IS2 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-25_2.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...


Getting calibration pulses data for WVS IS2 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-25_3.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...


Getting calibration pulses data for WVS IS2 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2010-06-25_4.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...
Writing ../.././RESULTS/DAILY/_100625//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 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-25_1.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...


Getting calibration pulses data for GM1 SS3 H/H from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-25_2.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...
```

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-25_3.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2010-06-25 00:00:00 to 2010-06-25 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_100625/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2010-06-25_4.dat...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../.././RESULTS/DAILY/_100625//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
##

DOPPLER ANALYSIS
##
Creating directory ./RESULTS/DAILY/_100625/DOPPLER...

****
****
DOPPLER ANX Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DOPPLER/Doppler_data_WVS_IS2_VV_2010-06-25.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100625/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DOPPLER/Doppler_data_GM1_SS1_HH_2010-06-25.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100625/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

****
****
DOPPLER JUMPS Analysis will be performed on WSM products from 2010-06-25 00:00:00 to 2010-06-25 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/DOPPLER/Doppler_Jumps_data_WSM_2010-06-25.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100625/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_100625/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

****
****
DOPPLER MAP Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 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 = -24.254389 Hz
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

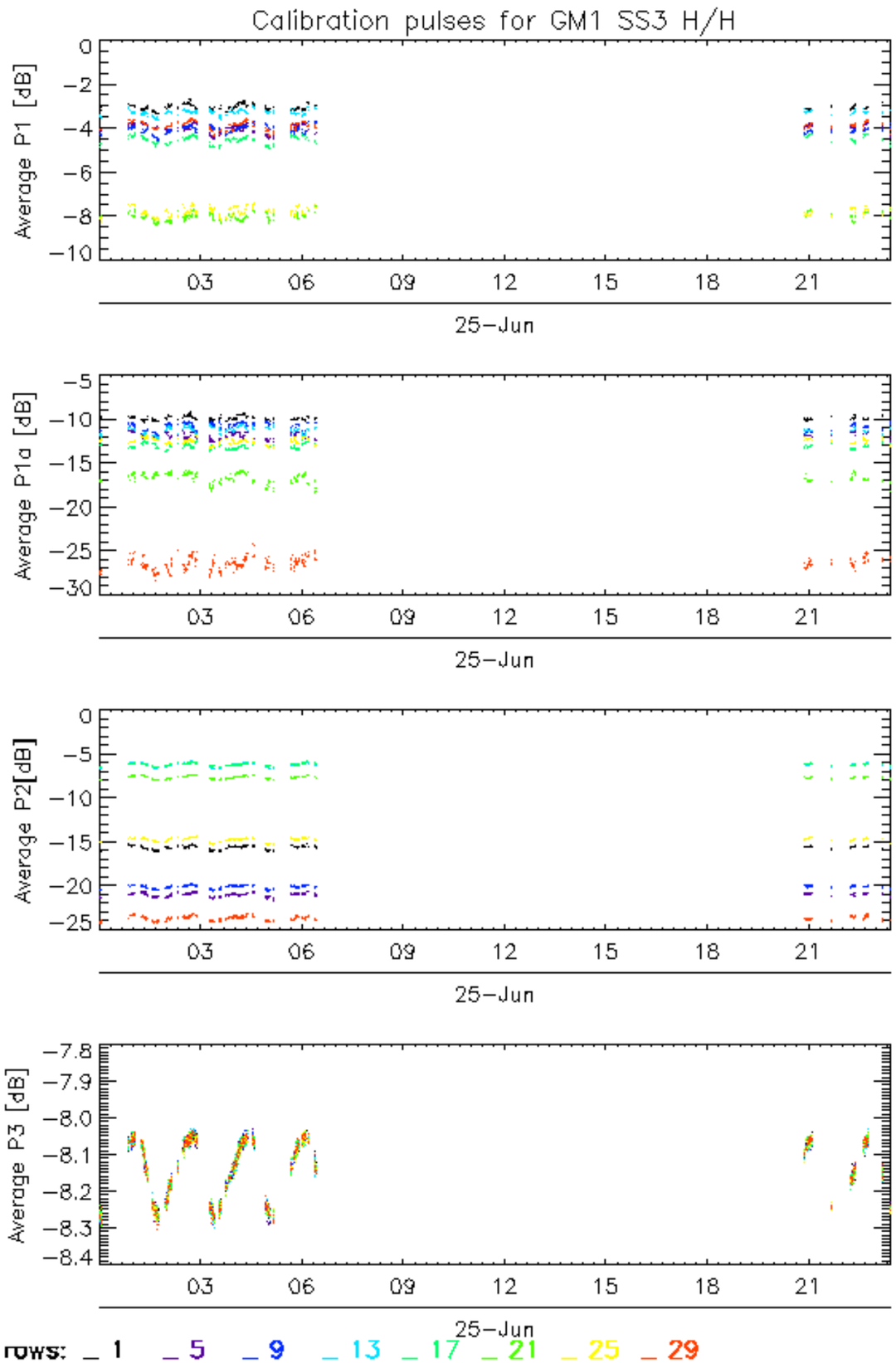
```
*********************************************************
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error =  -26.087384 Hz
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../.././RESULTS/DAILY/_100625//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 =  -4.6707300 Hz
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...

*********************************************************
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error =  -10.781849 Hz
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../.././RESULTS/DAILY/_100625//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...

*********************************************************


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



CHIRP ANALYSIS
#####################################################################
Creating directory ./RESULTS/DAILY/_100625/CHIRP...


*****************************************************************************************
*****************************************************************************************
CHIRP Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59


Analysing products WSM SS1 H/H
*************************************************************
Getting ScaleFactor data for WSM SS1 H/H from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/CHIRP/ScaleFactor_data_WSM_SS1_HH_2010-06-25.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100625/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_100625/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...


Analysing products WSM SS1 V/V
*************************************************************
Getting ScaleFactor data for WSM SS1 V/V from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/CHIRP/ScaleFactor_data_WSM_SS1_VV_2010-06-25.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_100625/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_100625/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...

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

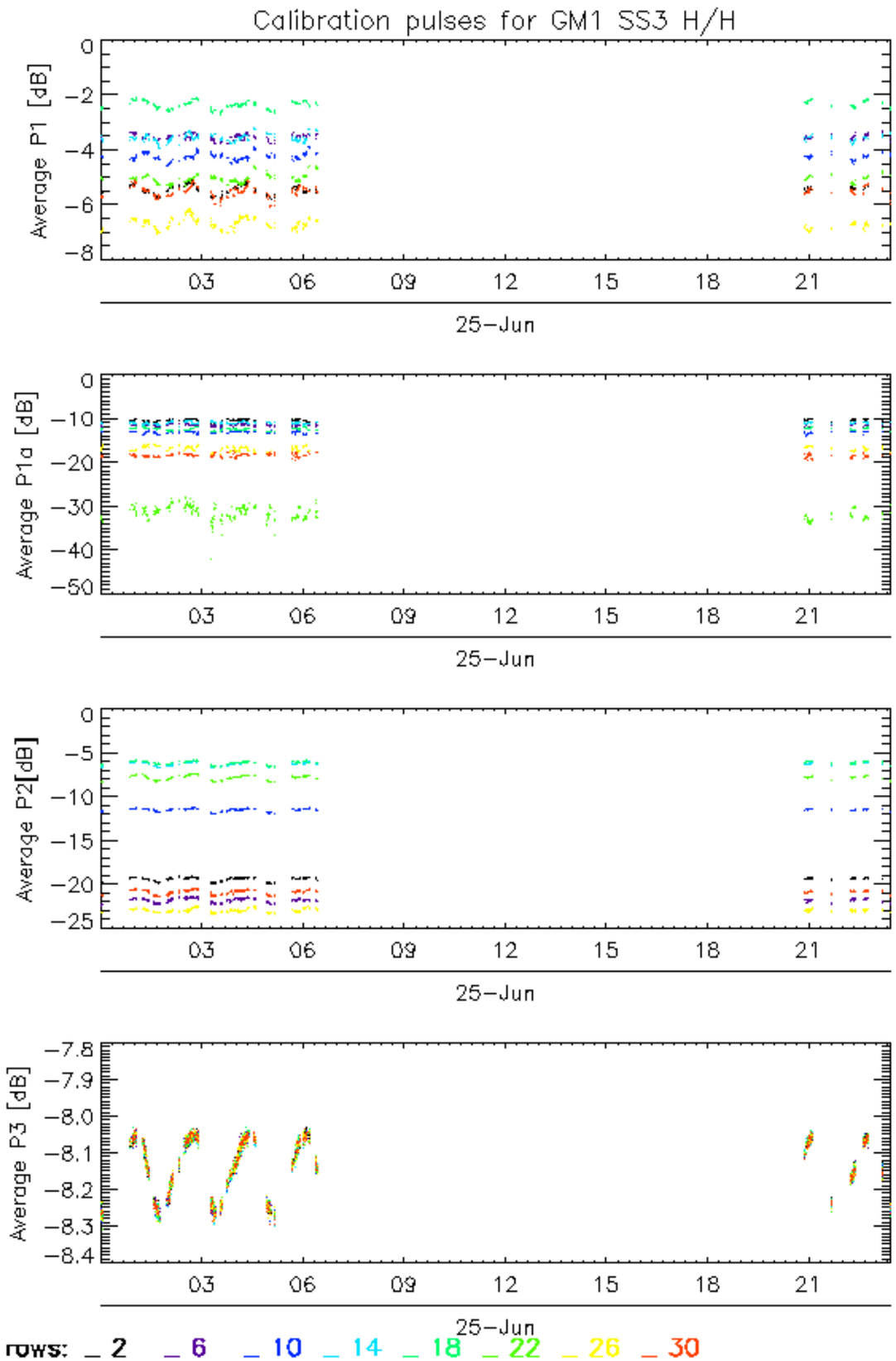
```
RAW DATA ANALYSIS
######################################################################
Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/RAW_DATA

Creating directory ./RESULTS/DAILY/_100625/RAW_DATA...

**********************************************************************
Getting raw data for WVS from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/RAW_DATA/Raw_data_WVS_2010-06-25.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

**********************************************************************
Getting raw data for IMM from 2010-06-25 00:00:00 to 2010-06-25 23:59:59...
Writing file ./RESULTS/DAILY/_100625/RAW_DATA/Raw_data_IMM_2010-06-25.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_100625/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

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

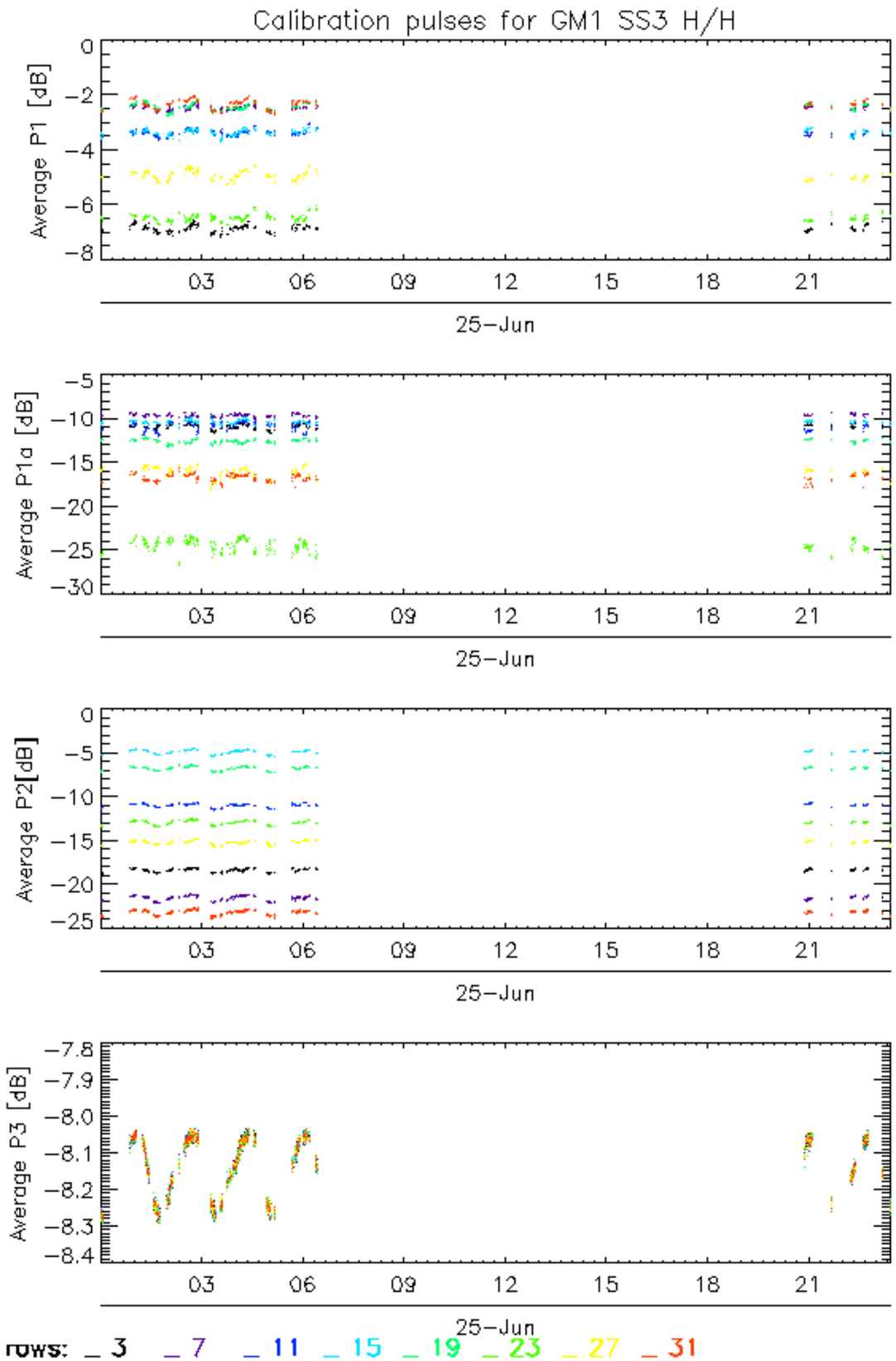
```
TELEMETRY ANALYSIS
######################################################################
Analysis will be performed from 2010-06-25 00:00:00 to 2010-06-25 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_100625/TELEMETRY

Creating directory ./RESULTS/DAILY/_100625/TELEMETRY...

Looking for gaps and missing lines in WVS products...
**********
Checking 29 products from PDE...
Checking 10 products from PDK...

Looking for gaps and missing lines in GM1 products...
**********
Checking 33 products from PDE...
No 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 21 products from PDE...
No products from PDK...

Looking for gaps and missing lines in WSM products...
**********
Checking 38 products from PDE...
No products from PDK...

Creating graph of missing lines and gaps...
```

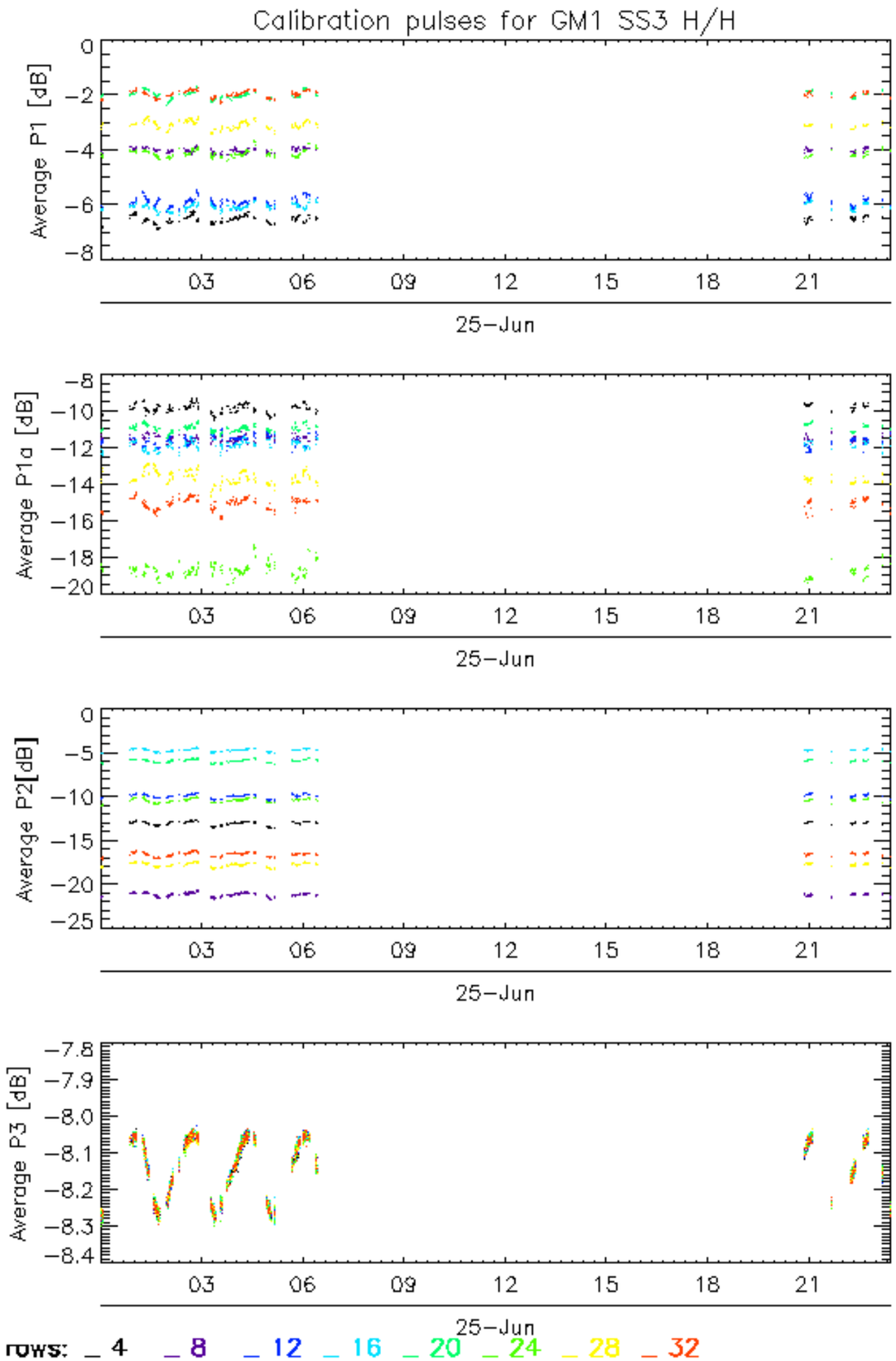
```
************************************************************
Creating image: ./RESULTS/DAILY/_100625/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_100625/TELEMETRY/TELEMETRY_Gaps.png...

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



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


Building file ./RESULTS/DAILY/_100625/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
######################################################################
```

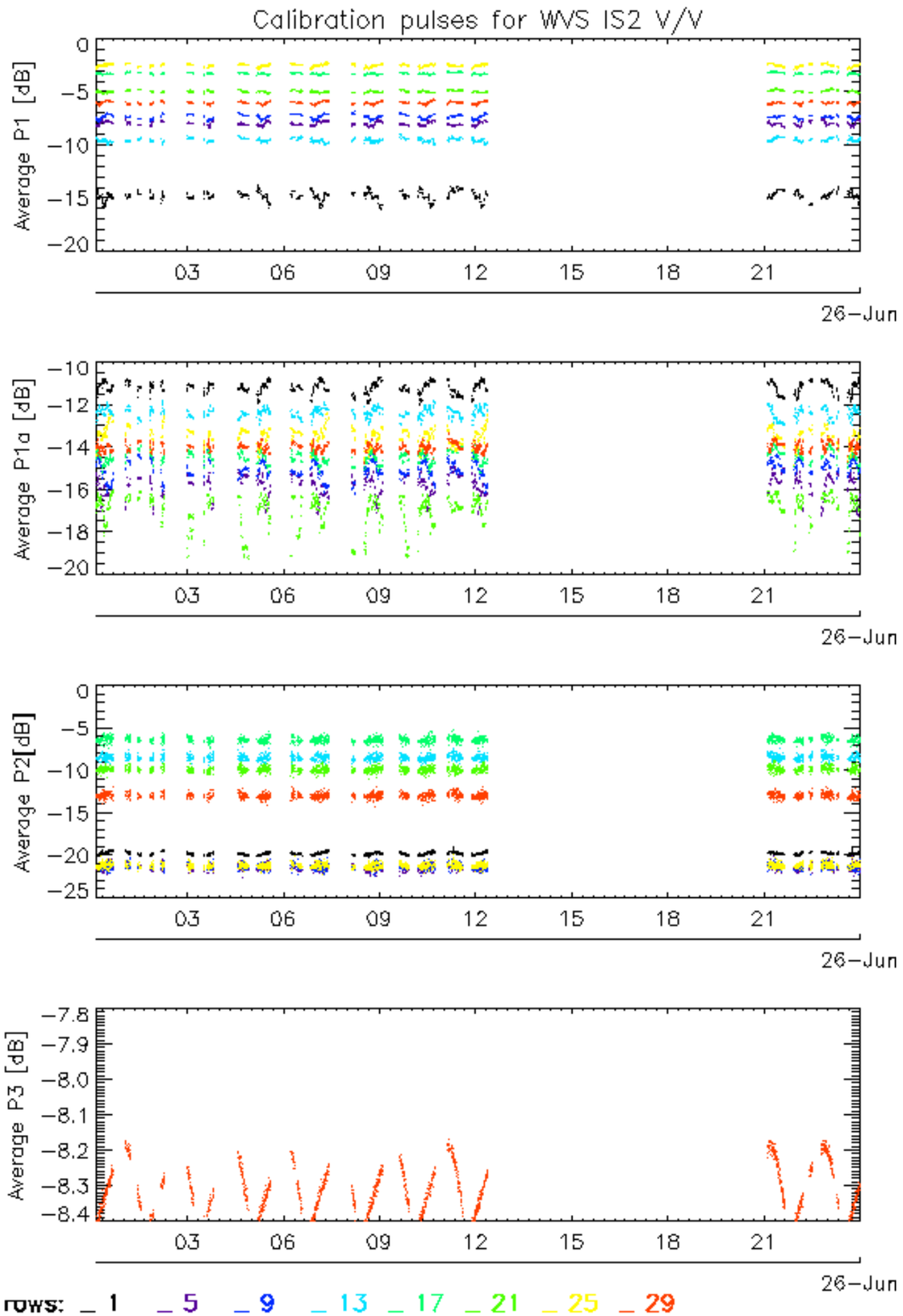

IDEAS

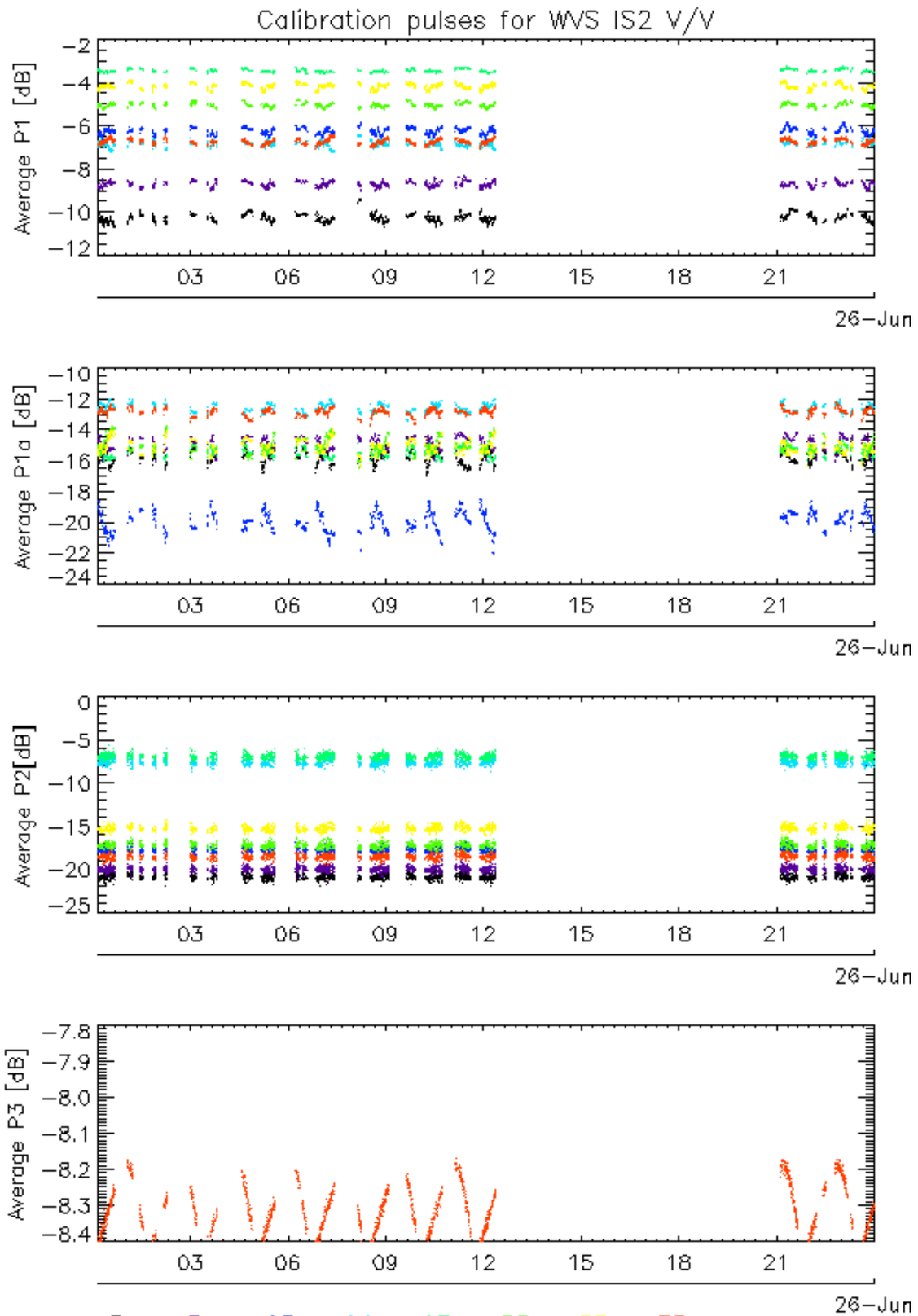

Calibration pulses for GM1 SS3 H/H
Average P1 [dB]
0
−2
−4
−6
−8
−10
03
06
09
12
15
18
21
25−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
rows: 1 5 9 13 17 21 25 29

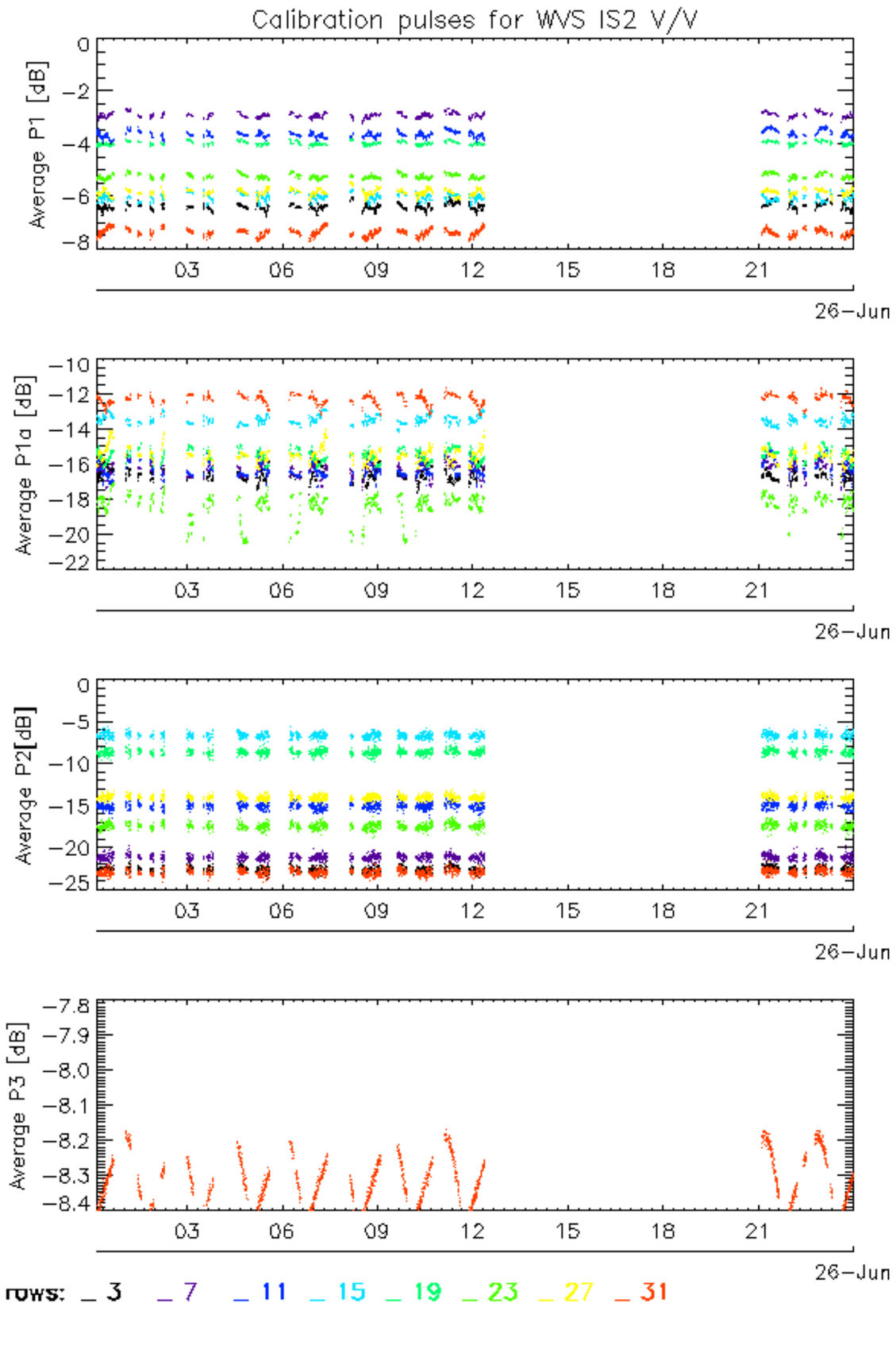

Calibration pulses for GM1 SS3 H/H
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
25−Jun
Average P1a [dB]
0
−10
−20
−30
−40
−50
03
06
09
12
15
18
21
25−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
03
06
09
12
15
18
21
25−Jun
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
03
06
09
12
15
18
21
25−Jun
rows: 2 6 10 14 18 22 26 30

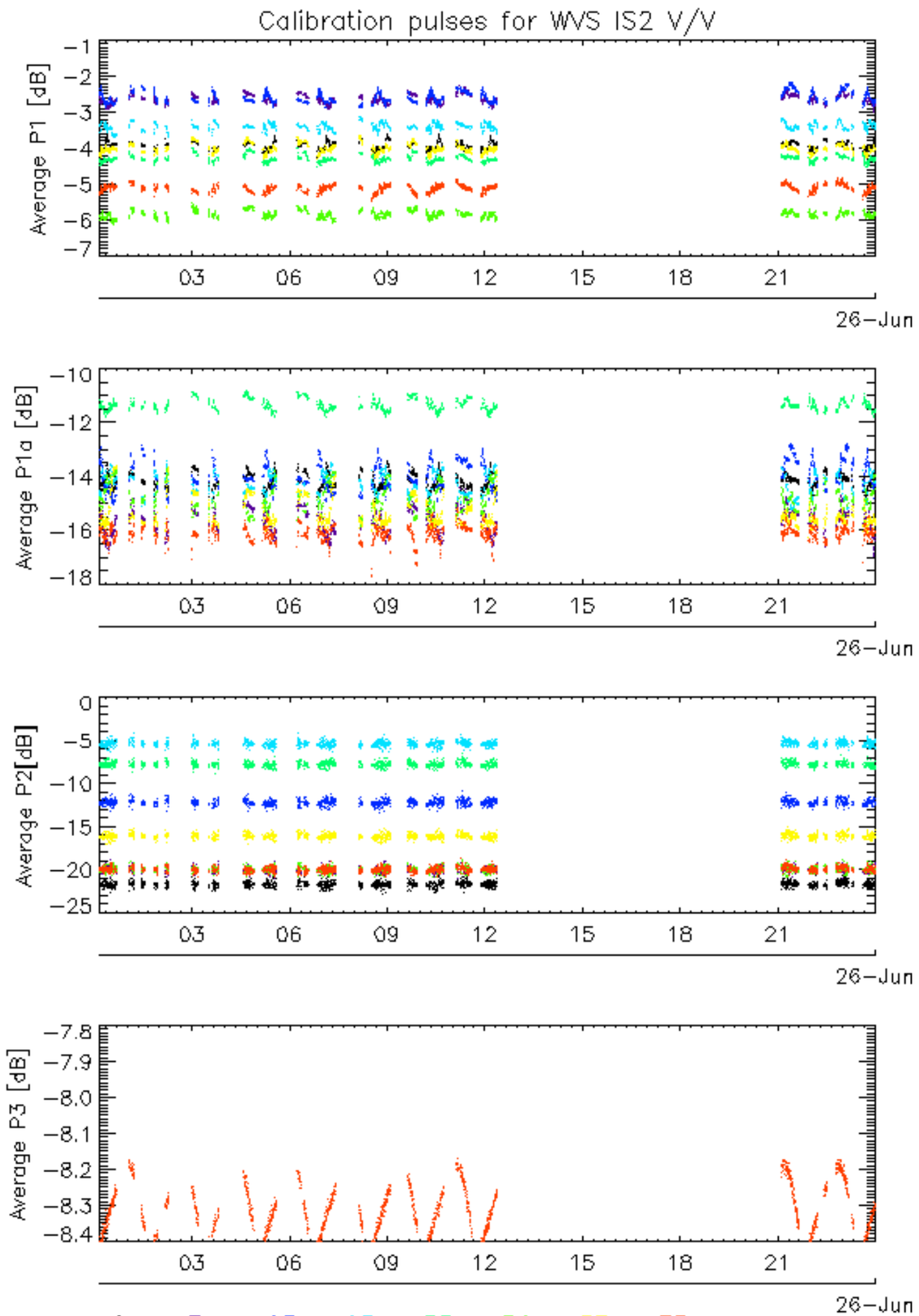

Calibration pulses for GM1 SS3 H/H
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
25−Jun
Average P1a [dB]
−5
−10
−15
−20
−25
−30
Average P2[dB]
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

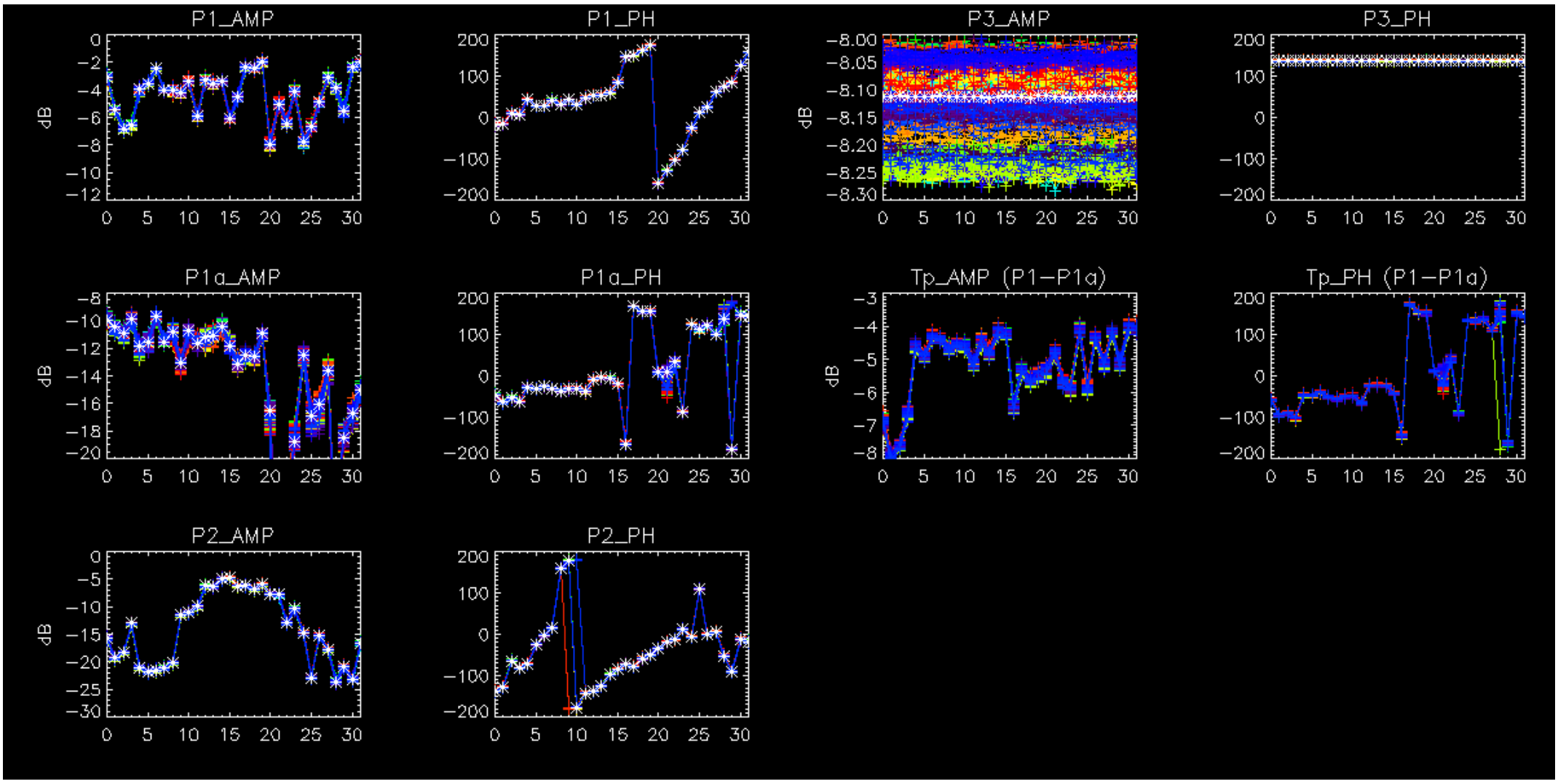

Calibration pulses for GM1 SS3 H/H
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
25−Jun
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
Average P2[dB]
−5
−15
−25
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

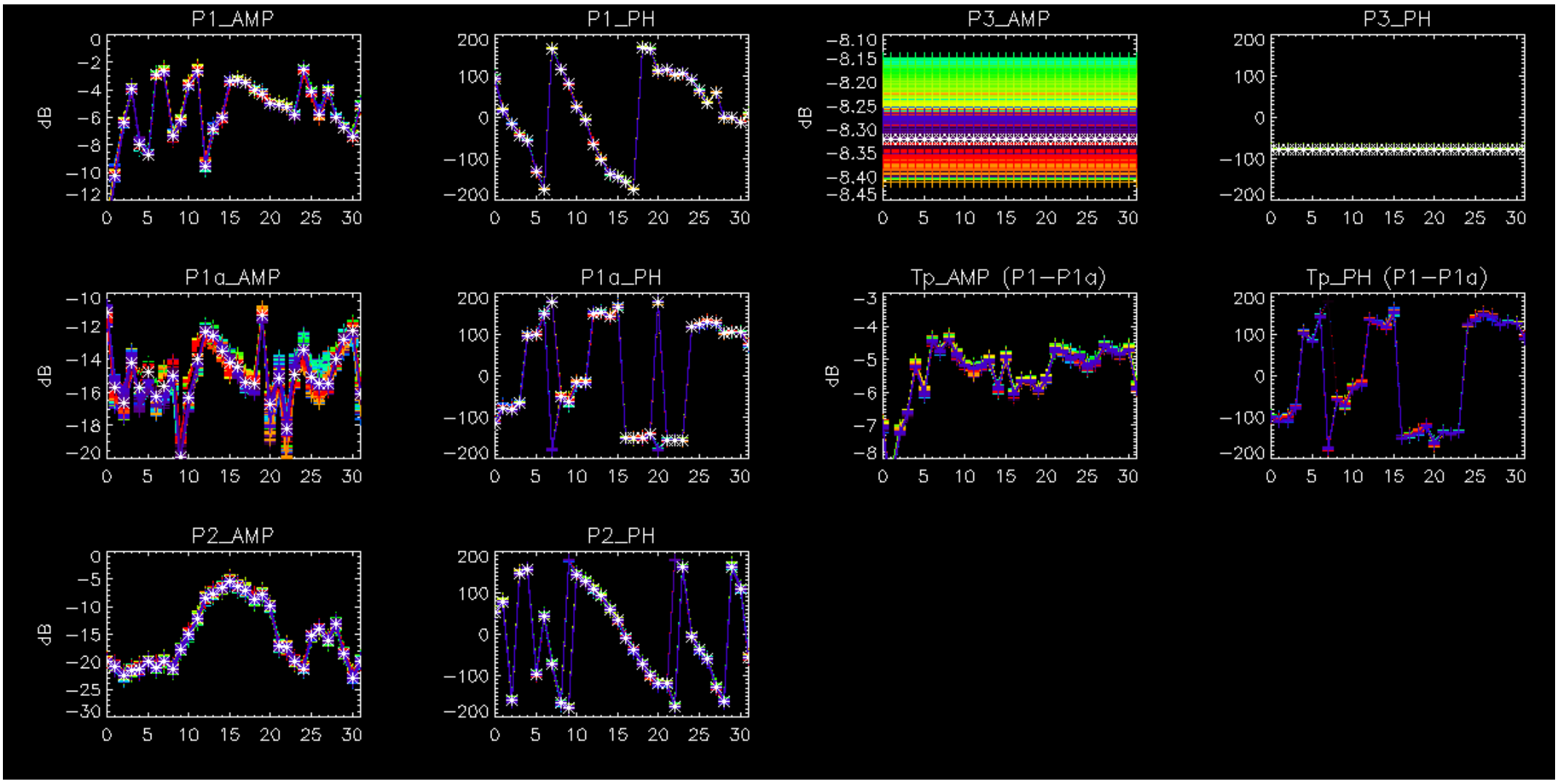

Calibration pulses for WVS IS2 V/V
Average P1 [dB]
0
−5
−10
−15
−20
03
06
09
12
15
18
21
26−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
Average P2[dB]
−25
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

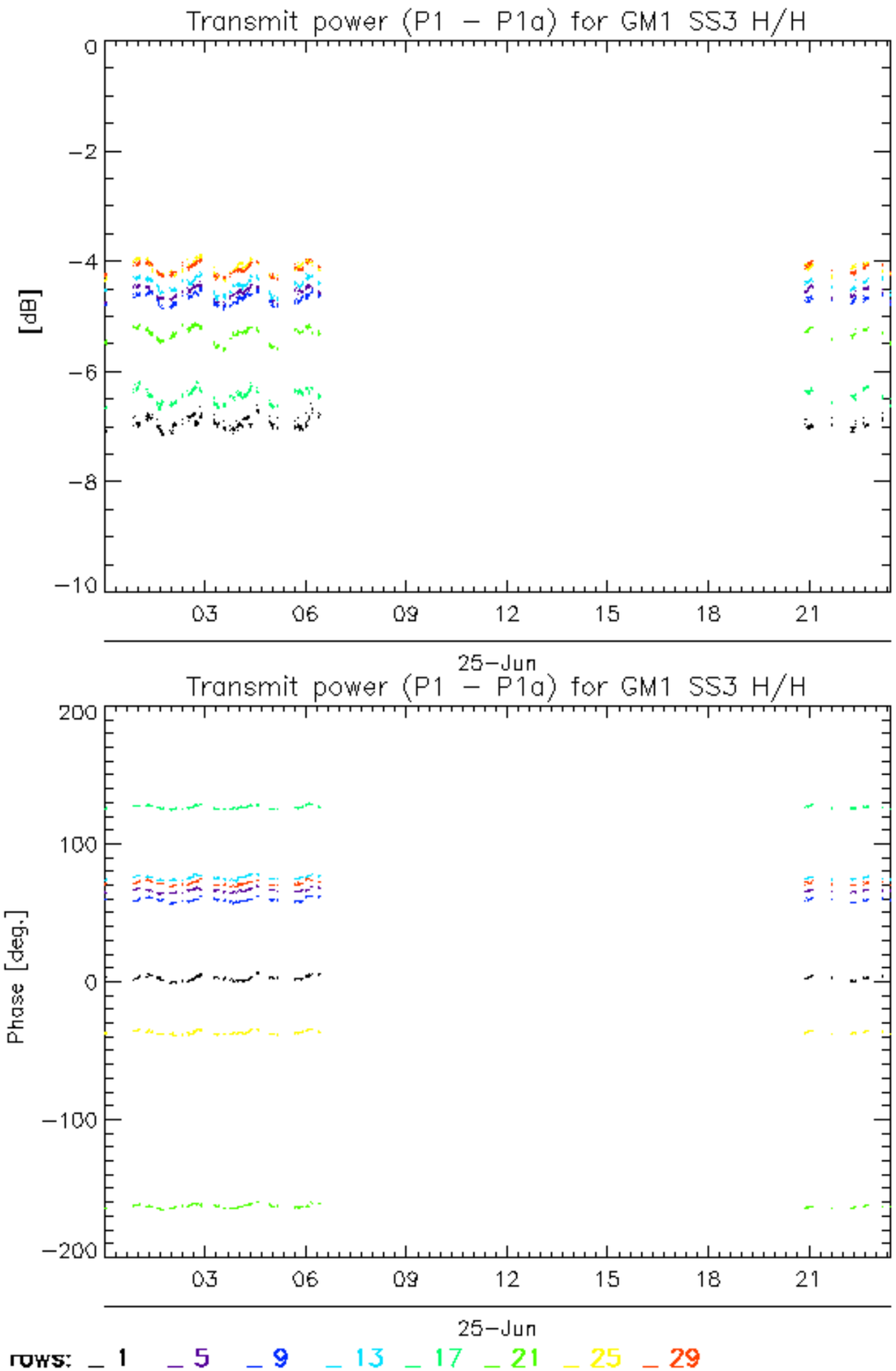

Calibration pulses for WVS IS2 V/V
Average P1 [dB]
−2
−4
−6
−8
−10
−12
03
06
09
12
15
18
21
26−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
−24
03
06
09
12
15
18
21
26−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
03
06
09
12
15
18
21
26−Jun
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
03
06
09
12
15
18
21
26−Jun
rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

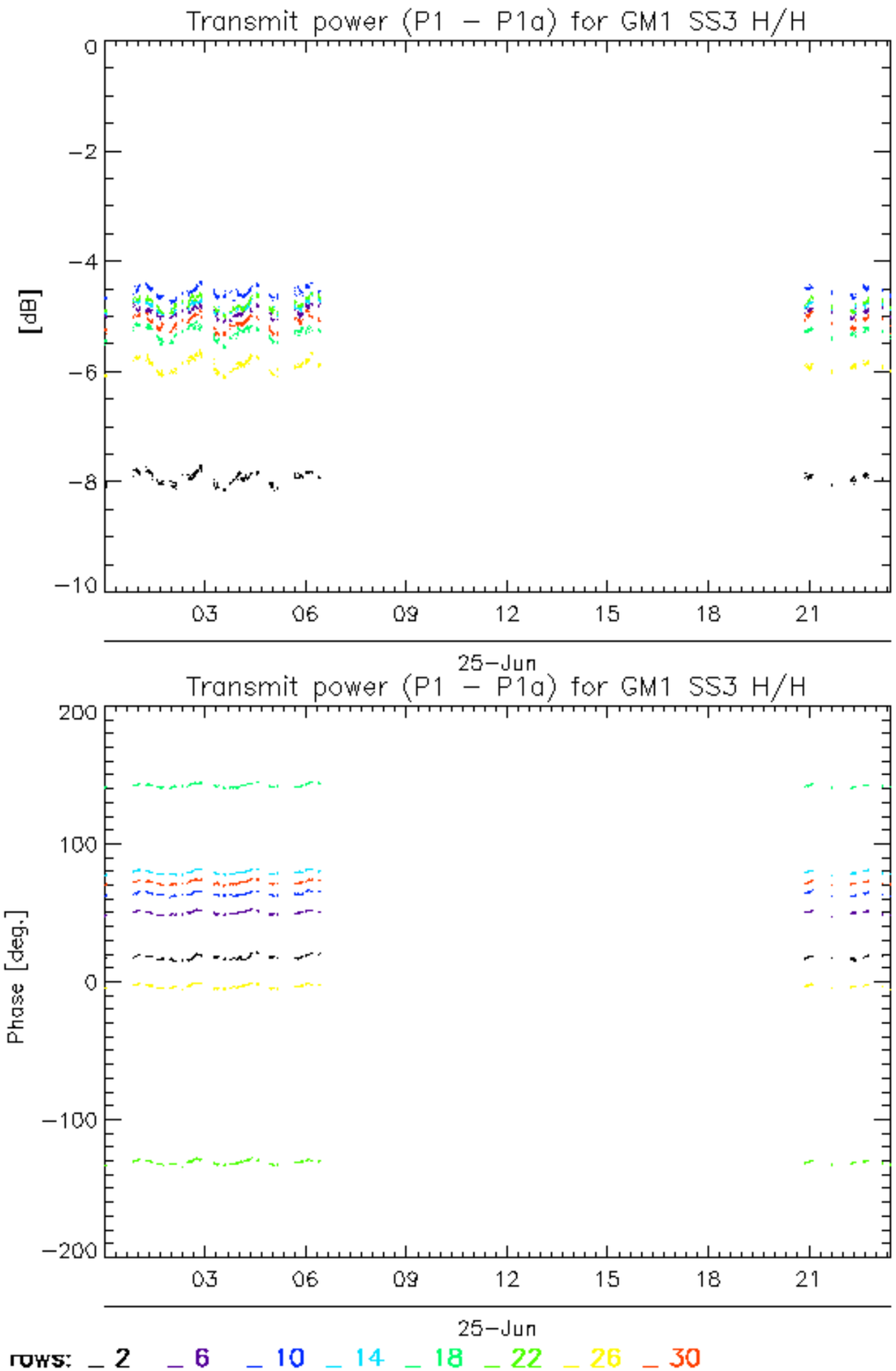

Calibration pulses for WVS IS2 V/V
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
26−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
−20
−22
Average P2[dB]
−5
−15
−25
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
rows: 3 7 11 15 19 23 27 31

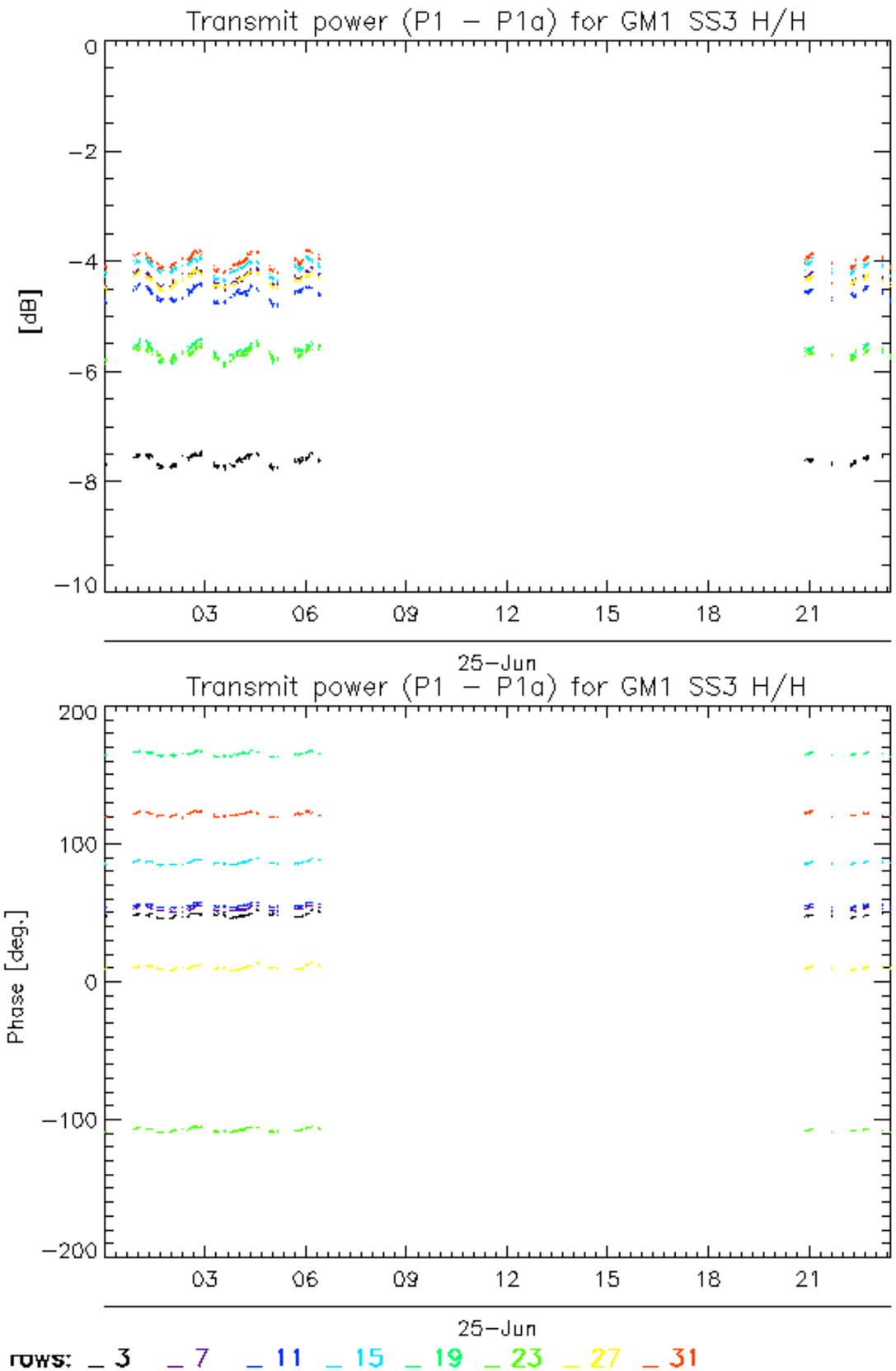

Calibration pulses for WVS IS2 V/V
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
26−Jun
Average P1a [dB]
−10
−12
−14
−16
−18
03
06
09
12
15
18
21
26−Jun
Average P2[dB]
0
−5
−10
−15
−20
−25
03
06
09
12
15
18
21
26−Jun
Average P3 [dB]
−7.8
−7.9
−8.0
−8.1
−8.2
−8.3
−8.4
03
06
09
12
15
18
21
26−Jun
rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

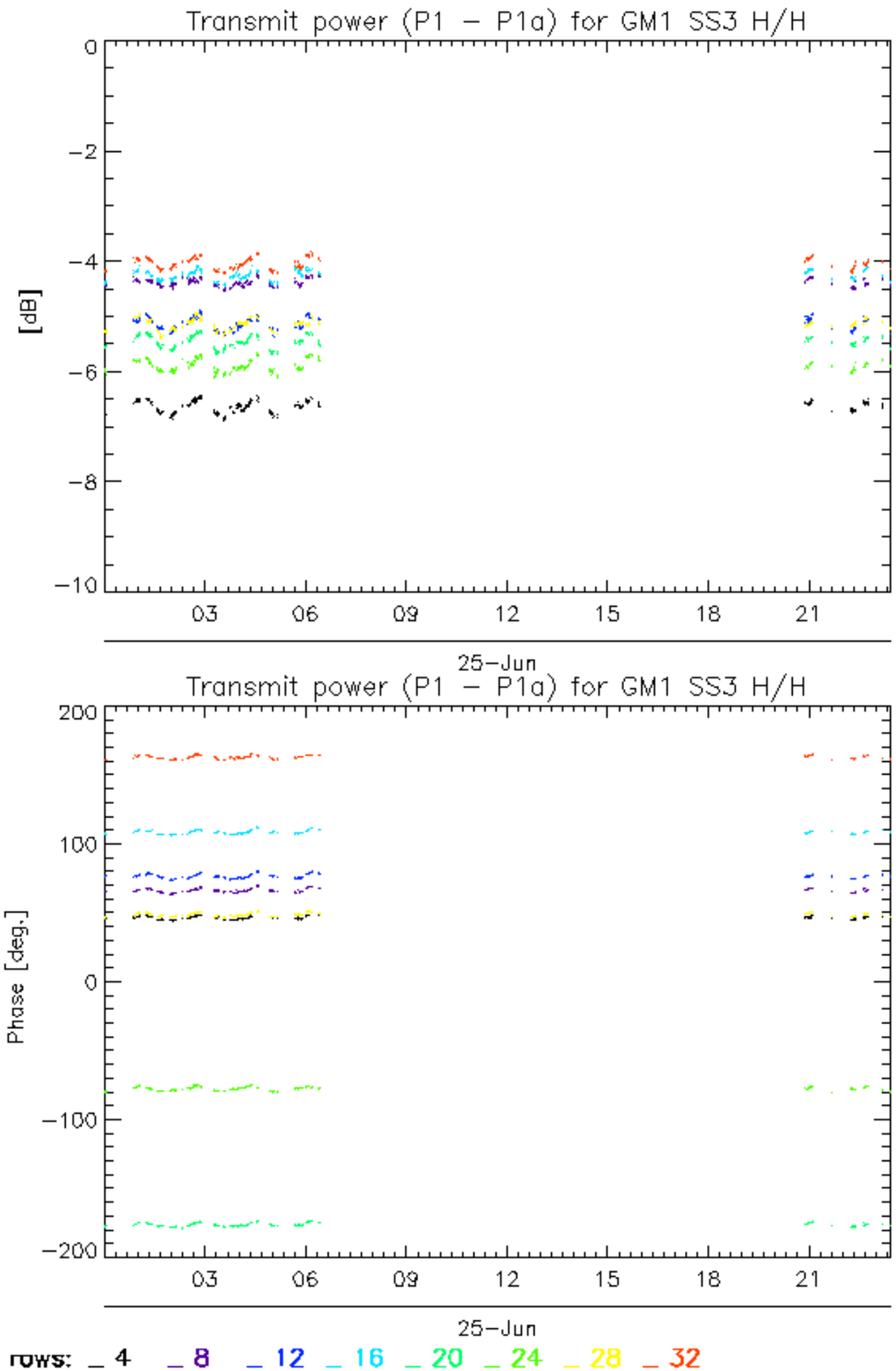

P1_AMP
dB
P1_PH
P3_AMP
dB
P3_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH

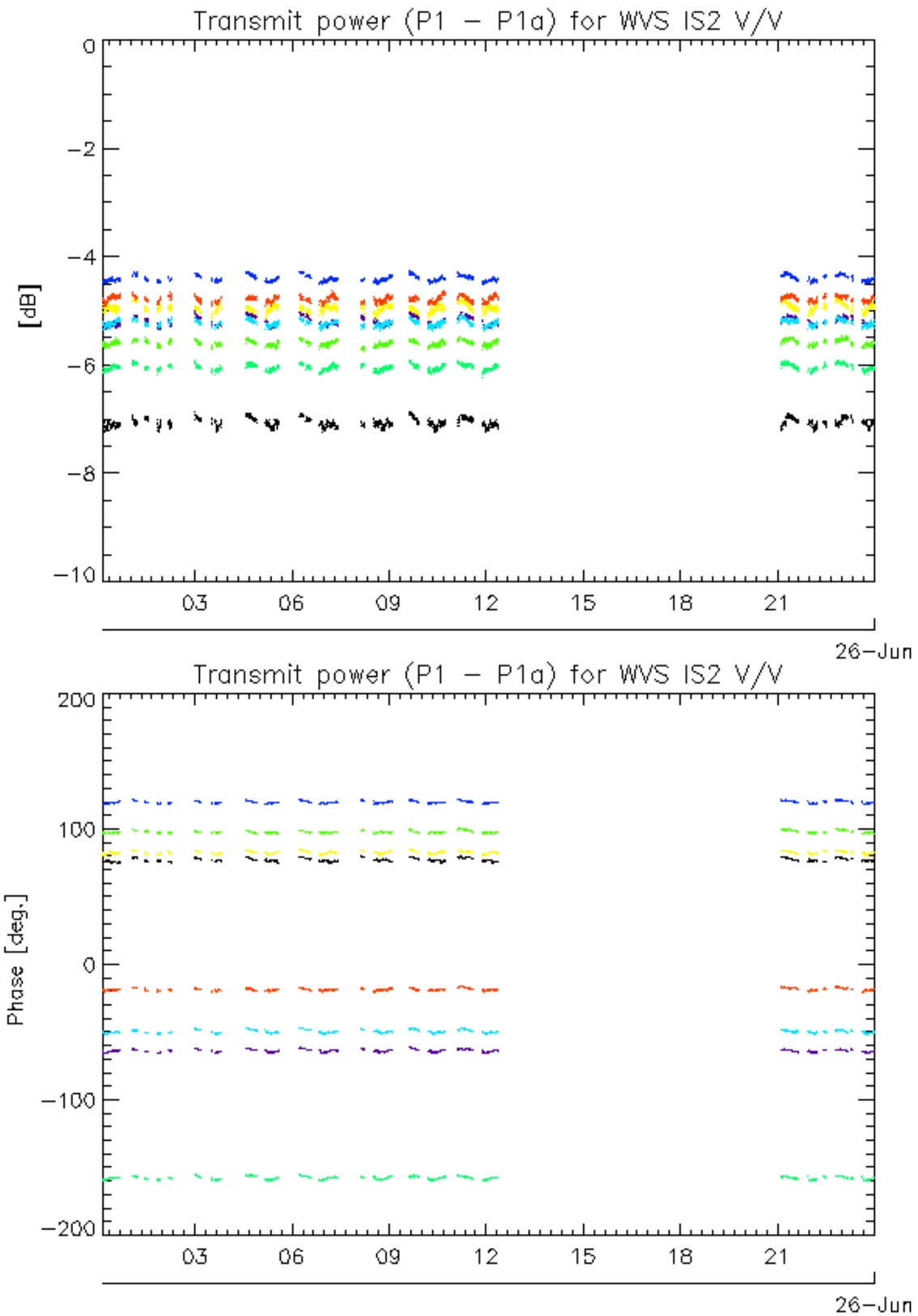

P1_AMP
dB
P1_PH
P3_AMP
dB
P3_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH

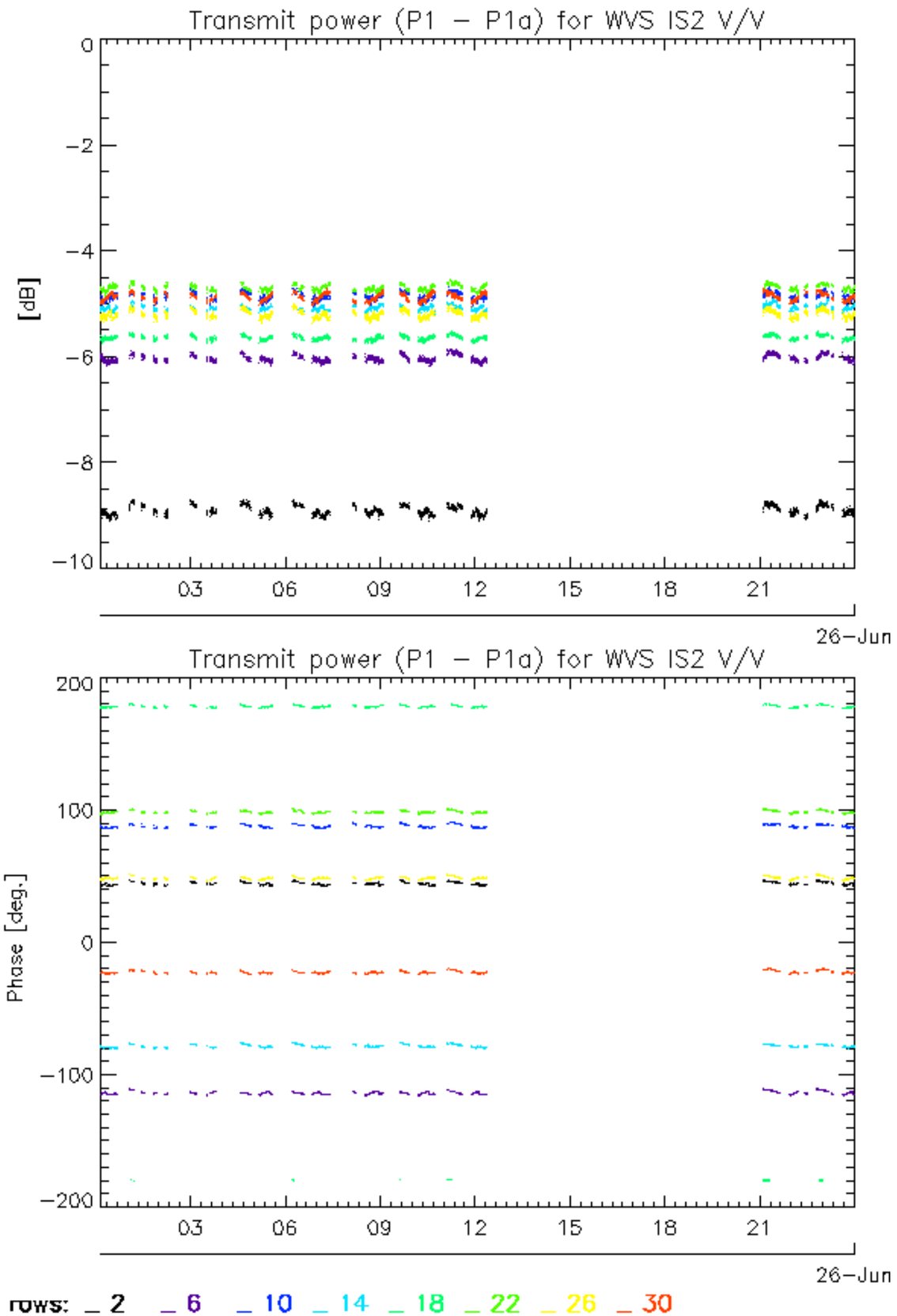

Transmit power (P1 – P1a) for GM1 SS3 H/H
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
25–Jun
Transmit power (P1 – P1a) for GM1 SS3 H/H
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
25–Jun
rows: 1 5 9 13 17 21 25 29

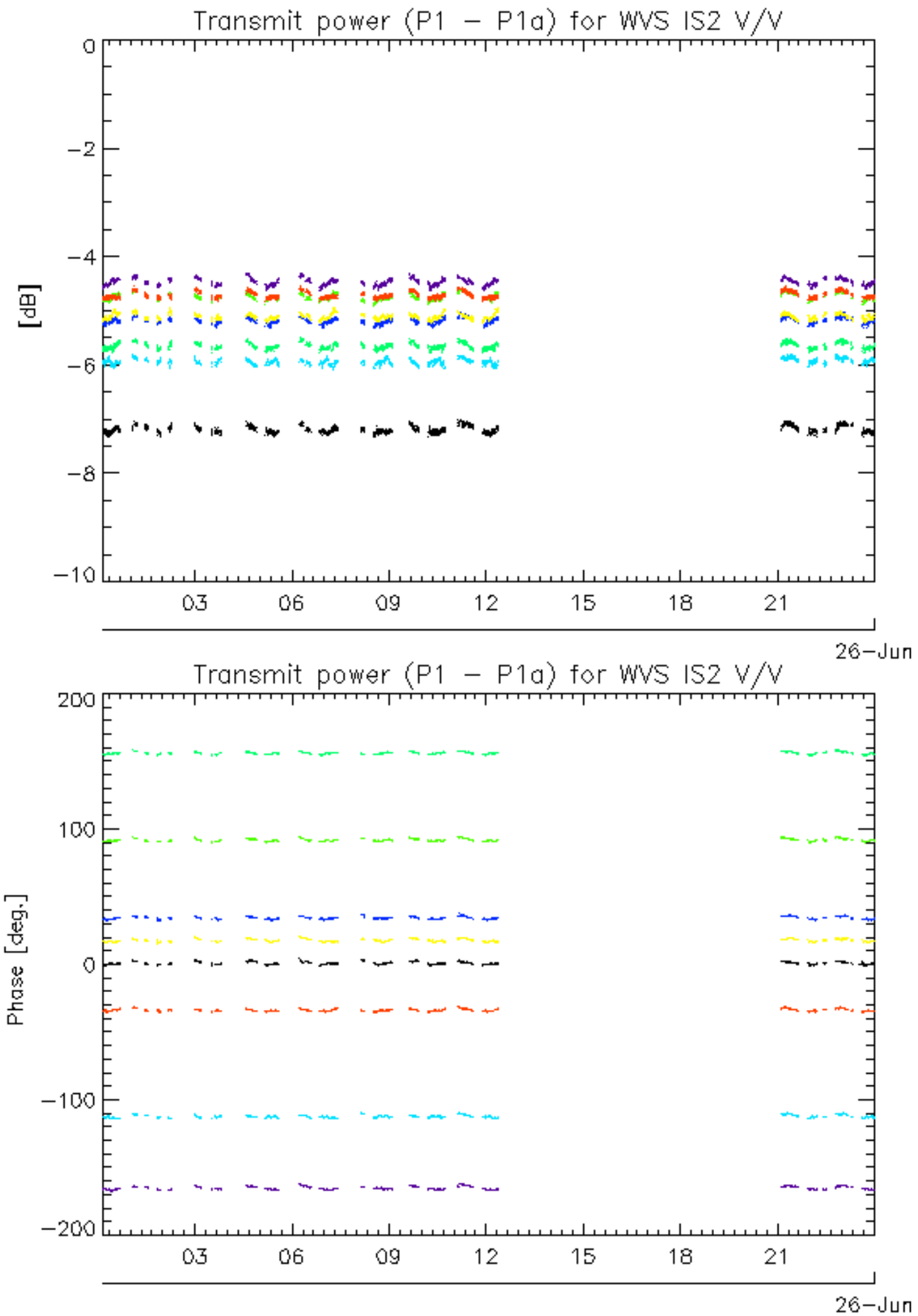

Transmit power (P1 – P1a) for GM1 SS3 H/H
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
25–Jun
Transmit power (P1 – P1a) for GM1 SS3 H/H
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
25–Jun
rows: 2 6 10 14 18 22 26 30

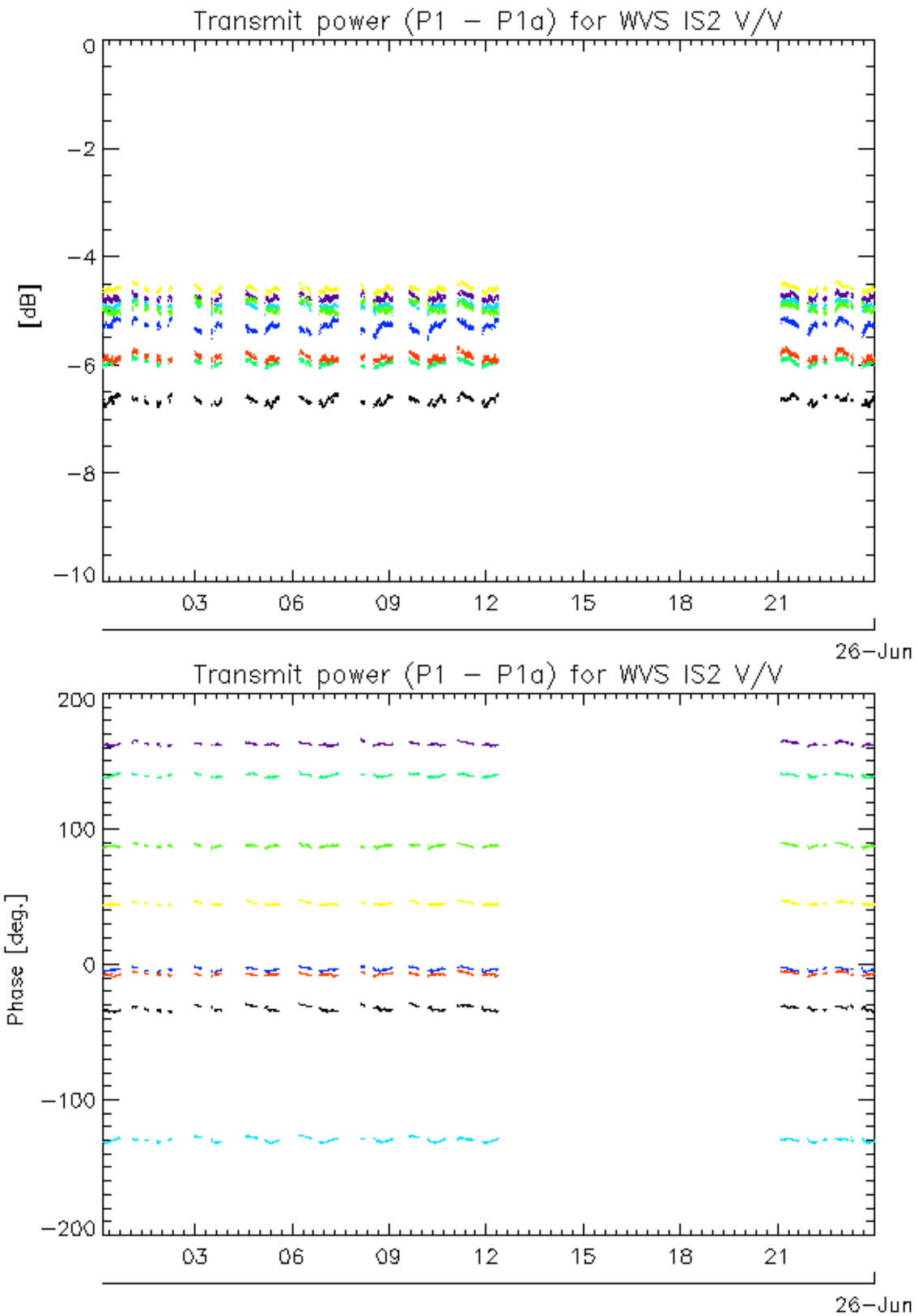

Transmit power (P1 – P1a) for GM1 SS3 H/H
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
25–Jun
Transmit power (P1 – P1a) for GM1 SS3 H/H
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
25–Jun
rows: 3 7 11 15 19 23 27 31

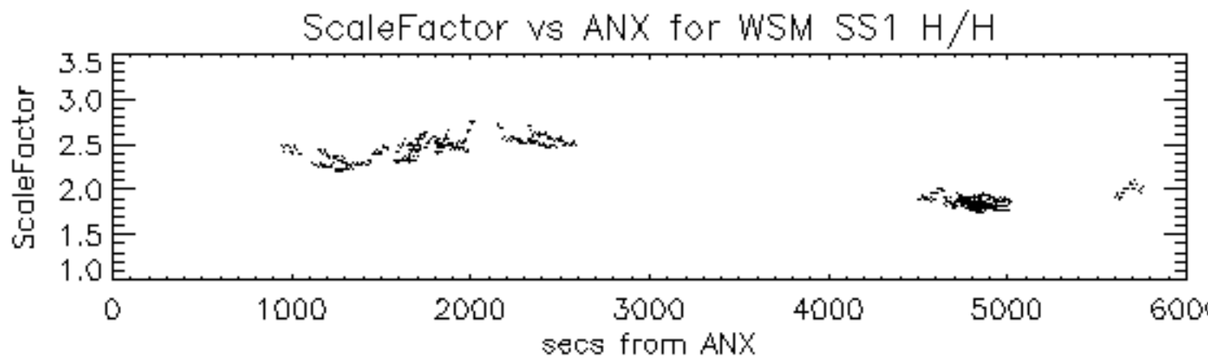

Transmit power (P1 – P1a) for GM1 SS3 H/H
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
25–Jun
Transmit power (P1 – P1a) for GM1 SS3 H/H
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
25–Jun
rows: 4 8 12 16 20 24 28 32

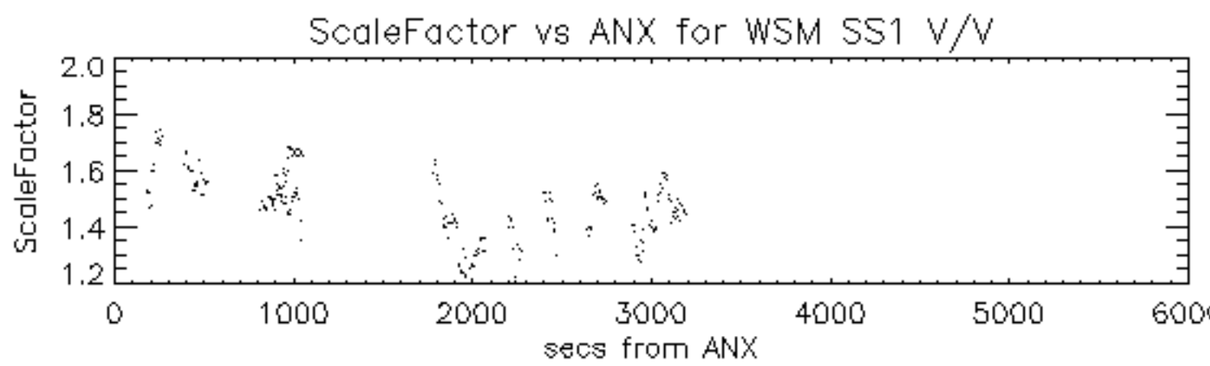

Transmit power (P1 – P1a) for WVS IS2 V/V
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
26–Jun
Transmit power (P1 – P1a) for WVS IS2 V/V
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
26–Jun
rows: 1 5 9 13 17 21 25 29

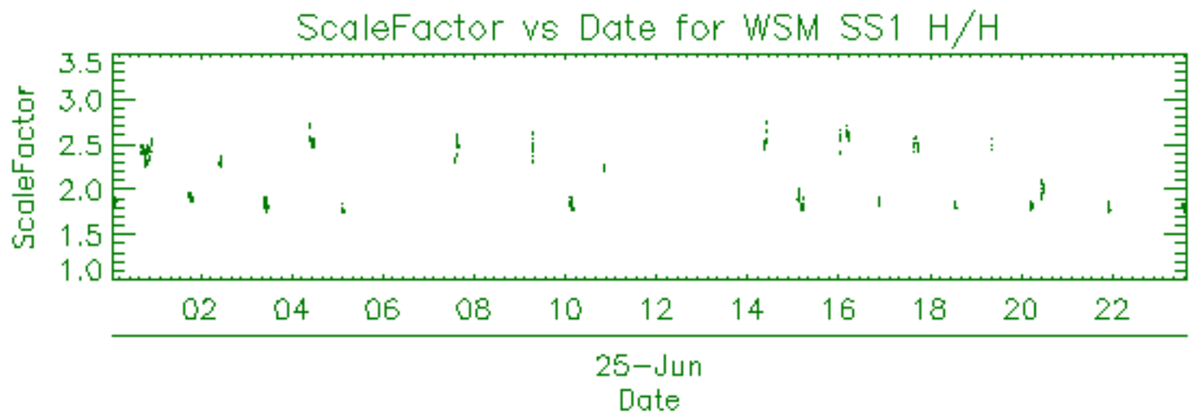

Transmit power (P1 – P1a) for WVS IS2 V/V
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
26–Jun
Transmit power (P1 – P1a) for WVS IS2 V/V
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
26–Jun
rows: 2 6 10 14 18 22 26 30

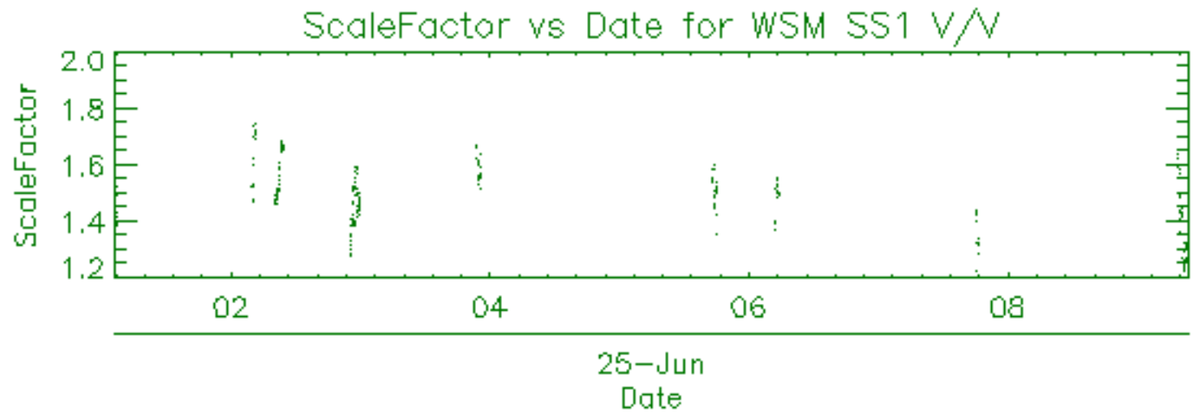

Transmit power (P1 – P1a) for WVS IS2 V/V
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
26–Jun
Transmit power (P1 – P1a) for WVS IS2 V/V
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
26–Jun
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31


Transmit power (P1 – P1a) for WVS IS2 V/V
0
−2
−4
−6
−8
−10
[dB]
03
06
09
12
15
18
21
26–Jun
Transmit power (P1 – P1a) for WVS IS2 V/V
200
100
0
−100
−200
Phase [deg.]
03
06
09
12
15
18
21
26–Jun
rows: 4 8 12 16 20 24 28 32


ScaleFactor vs ANX for WSM SS1 H/H
ScaleFactor
3.5
3.0
2.5
2.0
1.5
1.0
0
1000
2000
3000
4000
5000
6000
secs from ANX


ScaleFactor vs ANX for WSM SS1 V/V
ScaleFactor
2.0
1.8
1.6
1.4
1.2
0
1000
2000
3000
4000
5000
6000
secs from ANX


ScaleFactor vs Date for WSM SS1 H/H
ScaleFactor
3.5
3.0
2.5
2.0
1.5
1.0
02
04
06
08
10
12
14
16
18
20
22
25-Jun
Date


ScaleFactor vs Date for WSM SS1 V/V
ScaleFactor
2.0
1.8
1.6
1.4
1.2
02
04
06
08
25-Jun
Date

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion				
ASA_APM_1PNPDE20100625_035220_000000592090_00348_43488_1561.N1	IS4	V/H	90	43488	348	5.03				
ASA_APM_1PNPDE20100625_075703_000003152090_00350_43490_1627.N1	IS4	V/H	90	43490	350	5.03				
ASA_APM_1PNPDE20100625_092435_000000432090_00351_43491_1650.N1	IS6	H/H	90	43491	351	5.03				
ASA_APM_1PNPDE20100625_222328_000000432090_00359_43499_1737.N1	IS5	H/H	90	43499	359	5.03				
ASA_APM_1PNPDE20100625_231529_000000842090_00359_43499_1758.N1	IS4	V/H	90	43499	359	5.03				

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion				
ASA_GM1_1PNPDE20100624_235246_000006952090_00345_43485_1509.N1	SS1	H/H	90	43485	345	5.03				
ASA_GM1_1PNPDE20100625_005202_000000662090_00346_43486_1520.N1	SS1	H/H	90	43486	346	5.03				
ASA_GM1_1PNPDE20100625_005502_000005252090_00346_43486_1523.N1	SS1	H/H	90	43486	346	5.03				
ASA_GM1_1PNPDE20100625_011438_000007012090_00346_43486_1526.N1	SS1	H/H	90	43486	346	5.03				
ASA_GM1_1PNPDE20100625_013322_000006772090_00346_43486_1528.N1	SS1	H/H	90	43486	346	5.03				
ASA_GM1_1PNPDE20100625_015724_000007012090_00346_43486_1541.N1	SS1	H/H	90	43486	346	5.03				
ASA_GM1_1PNPDE20100625_021827_000000962090_00347_43487_1542.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_022834_000011422090_00347_43487_1543.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_024917_000003262090_00347_43487_1546.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_031419_000005862090_00347_43487_1573.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_033215_000003082090_00347_43487_1572.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_034436_000001022090_00347_43487_1570.N1	SS1	H/H	90	43487	347	5.03				
ASA_GM1_1PNPDE20100625_034933_000001692090_00348_43488_1569.N1	SS1	H/H	90	43488	348	5.03				
ASA_GM1_1PNPDE20100625_035616_000016012090_00348_43488_1567.N1	SS1	H/H	90	43488	348	5.03				
ASA_GM1_1PNPDE20100625_043049_000002832090_00348_43488_1564.N1	SS1	H/H	90	43488	348	5.03				
ASA_GM1_1PNPDE20100625_045432_000005132090_00348_43488_1585.N1	SS1	H/H	90	43488	348	5.03				
ASA_GM1_1PNPDE20100625_050834_000001202090_00348_43488_1602.N1	SS1	H/H	90	43488	348	5.03				
ASA_GM1_1PNPDE20100625_053953_000001692090_00349_43489_1601.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_054544_000005672090_00349_43489_1600.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_055921_000004652090_00349_43489_1599.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_055921_000004652090_00349_43489_1592.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_060958_000001022090_00349_43489_1590.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_060958_000001022090_00349_43489_1597.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_062130_000002412090_00349_43489_1587.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_062130_000002412090_00349_43489_1594.N1	SS1	H/H	90	43489	349	5.03				
ASA_GM1_1PNPDE20100625_205205_000000782090_00358_43498_1723.N1	SS1	H/H	90	43498	358	5.03				
ASA_GM1_1PNPDE20100625_205628_000006282090_00358_43498_1725.N1	SS1	H/H	90	43498	358	5.03				
ASA_GM1_1PNPDE20100625_214035_000001082090_00358_43498_1728.N1	SS1	H/H	90	43498	358	5.03				
ASA_GM1_1PNPDE20100625_221458_000005072090_00359_43499_1741.N1	SS1	H/H	90	43499	359	5.03				
ASA_GM1_1PNPDE20100625_222431_000000662090_00359_43499_1739.N1	SS1	H/H	90	43499	359	5.03				
ASA_GM1_1PNPDE20100625_223756_000005372090_00359_43499_1743.N1	SS1	H/H	90	43499	359	5.03				
ASA_GM1_1PNPDE20100625_231113_000001382090_00359_43499_1746.N1	SS1	H/H	90	43499	359	5.03				
ASA_GM1_1PNPDE20100625_232506_000001022090_00359_43499_1747.N1	SS1	H/H	90	43499	359	5.03				

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion
ASA_IMM_1PNPDE20100625_024733_000000922090_00347_43487_1539.N1	IS2	V/V	90	43487	347	5.03
ASA_IMM_1PNPDE20100625_053605_000002182090_00349_43489_1603.N1	IS2	V/V	90	43489	349	5.03
ASA_IMM_1PNPDE20100625_060703_000001622090_00349_43489_1581.N1	IS2	V/V	90	43489	349	5.03
ASA_IMM_1PNPDE20100625_075339_000001142090_00350_43490_1626.N1	IS3	H/H	90	43490	350	5.03
ASA_IMM_1PNPDE20100625_092654_000000372090_00351_43491_1655.N1	IS2	V/V	90	43491	351	5.03
ASA_IMM_1PNPDE20100625_093703_000000432090_00351_43491_1654.N1	IS2	V/V	90	43491	351	5.03
ASA_IMM_1PNPDE20100625_104432_000000622090_00352_43492_1683.N1	IS2	V/V	90	43492	352	5.03
ASA_IMM_1PNPDE20100625_111134_000001272090_00352_43492_1680.N1	IS2	V/V	90	43492	352	5.03
ASA_IMM_1PNPDE20100625_143519_000000692090_00354_43494_1704.N1	IS6	V/V	90	43494	354	5.03
ASA_IMM_1PNPDE20100625_161618_000000632090_00355_43495_1710.N1	IS2	V/V	90	43495	355	5.03
ASA_IMM_1PNPDE20100625_171911_000001882090_00356_43496_1711.N1	IS6	V/V	90	43496	356	5.03
ASA_IMM_1PNPDE20100625_174044_000000392090_00356_43496_1714.N1	IS2	V/V	90	43496	356	5.03
ASA_IMM_1PNPDE20100625_174540_000000672090_00356_43496_1716.N1	IS5	V/V	90	43496	356	5.03
ASA_IMM_1PNPDE20100625_175012_000002212090_00356_43496_1717.N1	IS2	V/V	90	43496	356	5.03
ASA_IMM_1PNPDE20100625_200232_000003022090_00357_43497_1721.N1	IS2	H/H	90	43497	357	5.03
ASA_IMM_1PNPDE20100625_200822_000002332090_00357_43497_1718.N1	IS2	H/H	90	43497	357	5.03
ASA_IMM_1PNPDE20100625_214223_000002852090_00358_43498_1736.N1	IS2	H/H	90	43498	358	5.03
ASA_IMM_1PNPDE20100625_214813_000002532090_00358_43498_1724.N1	IS2	H/H	90	43498	358	5.03
ASA_IMM_1PNPDE20100625_231333_000000382090_00359_43499_1752.N1	IS4	V/V	90	43499	359	5.03
ASA_IMM_1PNPDE20100625_232211_000001612090_00359_43499_1755.N1	IS2	H/H	90	43499	359	5.03
ASA_IMM_1PNPDE20100625_232651_000003032090_00359_43499_1738.N1	IS2	H/H	90	43499	359	5.03

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Filename     Pol    Timestamp    count(Module)
 ASA_MS__0PNPDK20100625_063508_000000162090_00349_43489_0148.N1  V     2010-06-25 06:35:08 320
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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion				
ASA_WSM_1PNPDE20100625_000428_000002882090_00345_43485_1518.N1	SS1	H/H	90	43485	345	5.03				
ASA_WSM_1PNPDE20100625_004150_000001222090_00346_43486_1519.N1	SS1	H/H	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_004509_000000862090_00346_43486_1524.N1	SS1	H/H	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_004652_000003062090_00346_43486_1536.N1	SS1	H/H	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_005321_000000982090_00346_43486_1537.N1	SS1	H/H	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_010601_000000862090_00346_43486_1538.N1	SS1	V/V	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_014442_000002812090_00346_43486_1557.N1	SS1	H/H	90	43486	346	5.03				
ASA_WSM_1PNPDE20100625_020939_000001042090_00347_43487_1554.N1	SS1	V/V	90	43487	347	5.03				
ASA_WSM_1PNPDE20100625_022015_000002452090_00347_43487_1555.N1	SS1	V/V	90	43487	347	5.03				
ASA_WSM_1PNPDE20100625_022511_000001842090_00347_43487_1556.N1	SS1	H/H	90	43487	347	5.03				
ASA_WSM_1PNPDE20100625_025451_000003062090_00347_43487_1553.N1	SS1	V/V	90	43487	347	5.03				
ASA_WSM_1PNPDE20100625_032411_000002942090_00347_43487_1560.N1	SS1	H/H	90	43487	347	5.03				
ASA_WSM_1PNPDE20100625_035345_000001472090_00348_43488_1563.N1	SS1	V/V	90	43488	348	5.03				
ASA_WSM_1PNPDE20100625_042302_000004652090_00348_43488_1642.N1	SS1	H/H	90	43488	348	5.03				
ASA_WSM_1PNPDE20100625_050649_000000982090_00348_43488_1586.N1	SS1	H/H	90	43488	348	5.03				
ASA_WSM_1PNPDE20100625_050649_000000982090_00348_43488_1593.N1	SS1	H/H	90	43488	348	5.03				
ASA_WSM_1PNPDE20100625_054251_000001652090_00349_43489_1610.N1	SS1	V/V	90	43489	349	5.03				
ASA_WSM_1PNPDE20100625_061153_000001222090_00349_43489_1582.N1	SS1	V/V	90	43489	349	5.03				
ASA_WSM_1PNPDE20100625_073443_000003002090_00350_43490_1624.N1	SS1	H/H	90	43490	350	5.03				
ASA_WSM_1PNPDE20100625_074505_000000982090_00350_43490_1625.N1	SS1	V/V	90	43490	350	5.03				
ASA_WSM_1PNPDE20100625_091631_000001282090_00351_43491_1648.N1	SS1	H/H	90	43491	351	5.03				
ASA_WSM_1PNPDE20100625_091845_000003062090_00351_43491_1653.N1	SS1	V/V	90	43491	351	5.03				
ASA_WSM_1PNPDE20100625_100627_000002812090_00351_43491_1681.N1	SS1	H/H	90	43491	351	5.03				
ASA_WSM_1PNPDE20100625_105022_000001222090_00352_43492_1682.N1	SS1	H/H	90	43492	352	5.03				
ASA_WSM_1PNPDE20100625_142218_000001472090_00354_43494_1703.N1	SS1	H/H	90	43494	354	5.03				
ASA_WSM_1PNPDE20100625_150554_000001592090_00354_43494_1705.N1	SS1	H/H	90	43494	354	5.03				
ASA_WSM_1PNPDE20100625_151104_000001282090_00354_43494_1706.N1	SS1	H/H	90	43494	354	5.03				
ASA_WSM_1PNPDE20100625_160125_000000982090_00355_43495_1708.N1	SS1	H/H	90	43495	355	5.03				
ASA_WSM_1PNPDE20100625_161014_000001842090_00355_43495_1709.N1	SS1	H/H	90	43495	355	5.03				
ASA_WSM_1PNPDE20100625_165159_000001042090_00355_43495_1707.N1	SS1	H/H	90	43495	355	5.03				
ASA_WSM_1PNPDE20100625_173829_000000982090_00356_43496_1712.N1	SS1	H/H	90	43496	356	5.03				
ASA_WSM_1PNPDE20100625_174202_000002022090_00356_43496_1715.N1	SS1	H/H	90	43496	356	5.03				
ASA_WSM_1PNPDE20100625_183235_000001162090_00356_43496_1713.N1	SS1	H/H	90	43496	356	5.03				
ASA_WSM_1PNPDE20100625_192015_000000982090_00357_43497_1720.N1	SS1	H/H	90	43497	357	5.03				
ASA_WSM_1PNPDE20100625_201246_000001282090_00357_43497_1719.N1	SS1	H/H	90	43497	357	5.03				
ASA_WSM_1PNPDE20100625_202600_000001772090_00357_43497_1722.N1	SS1	H/H	90	43497	357	5.03				
ASA_WSM_1PNPDE20100625_215328_000002142090_00358_43498_1735.N1	SS1	H/H	90	43498	358	5.03				
ASA_WSM_1PNPDE20100625_233248_000002942090_00359_43499_1754.N1	SS1	H/H	90	43499	359	5.03				

Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion
ASA_WVS_1PNPDE20100625_000916_000003752090_00345_43485_1508.N1	IS2	V/V	90	43485	345	5.03
ASA_WVS_1PNPDE20100625_001446_000015742090_00345_43485_1521.N1	IS2	V/V	90	43485	345	5.03
ASA_WVS_1PNPDE20100625_010352_000000892090_00346_43486_1522.N1	IS2	V/V	90	43486	346	5.03
ASA_WVS_1PNPDE20100625_010728_000003882090_00346_43486_1525.N1	IS2	V/V	90	43486	346	5.03
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ASA_WVS_1PNPDE20100625_014921_000001802090_00346_43486_1529.N1	IS2	V/V	90	43486	346	5.03
ASA_WVS_1PNPDE20100625_015136_000003002090_00346_43486_1540.N1	IS2	V/V	90	43486	346	5.03
ASA_WVS_1PNPDE20100625_021120_000003742090_00347_43487_1544.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_030006_000003902090_00347_43487_1545.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_030606_000003152090_00347_43487_1562.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_030006_000003902090_00347_43487_1545.N1	IS1	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_032953_000001052090_00347_43487_1571.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_033723_000003892090_00347_43487_1568.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_034626_000001492090_00347_43487_1566.N1	IS2	V/V	90	43487	347	5.03
ASA_WVS_1PNPDE20100625_043532_000008092090_00348_43488_1565.N1	IS2	V/V	90	43488	348	5.03
ASA_WVS_1PNPDE20100625_044847_000003002090_00348_43488_1584.N1	IS2	V/V	90	43488	348	5.03
ASA_WVS_1PNPDE20100625_051038_000014692090_00348_43488_1591.N1	IS2	V/V	90	43488	348	5.03
ASA_WVS_1PNPDE20100625_051038_000014692090_00348_43488_1598.N1	IS2	V/V	90	43488	348	5.03
ASA_WVS_1PNPDE20100625_061355_000004042090_00349_43489_1589.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDE20100625_061355_000004042090_00349_43489_1596.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDE20100625_062534_000001652090_00349_43489_1595.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDE20100625_062534_000001652090_00349_43489_1588.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDK20100625_062804_000003902090_00349_43489_6382.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDK20100625_065114_000019942090_00349_43489_6387.N1	IS2	V/V	90	43489	349	5.03
ASA_WVS_1PNPDK20100625_080824_000003902090_00350_43490_6404.N1	IS2	V/V	90	43490	350	5.03
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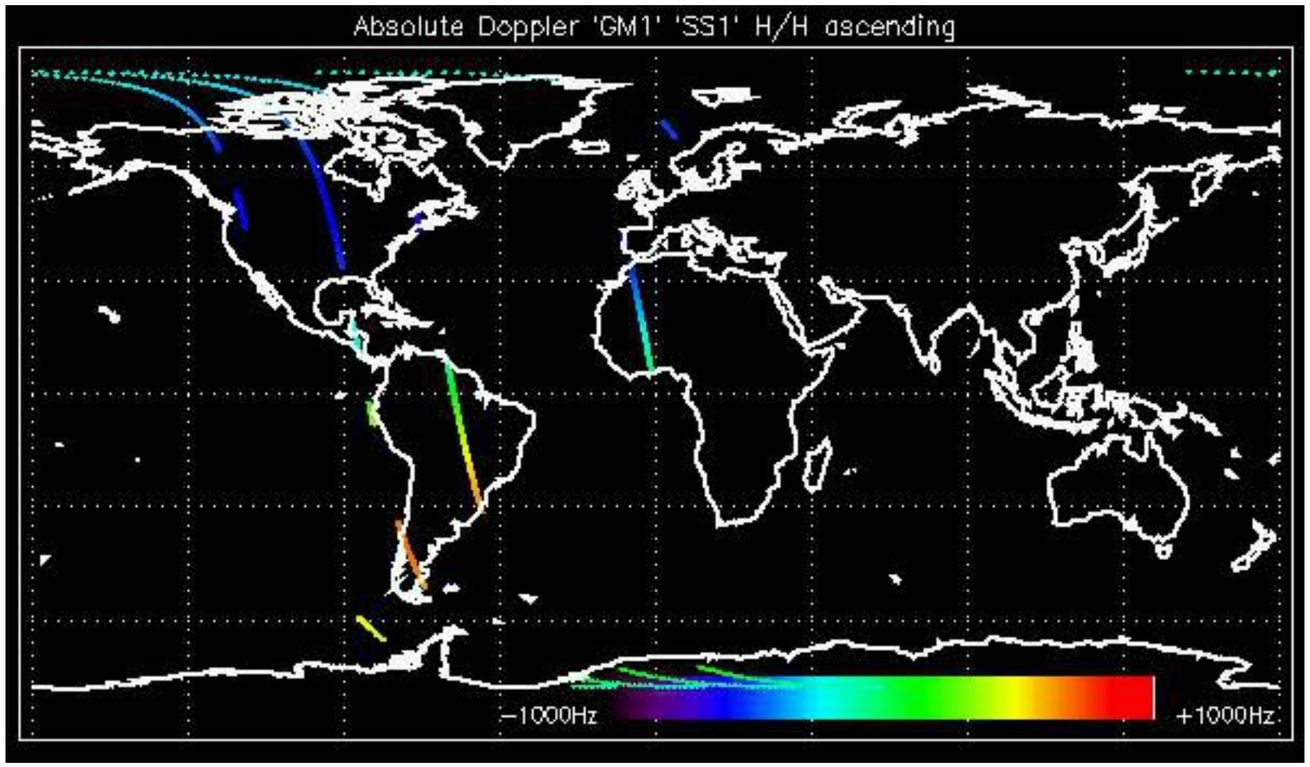
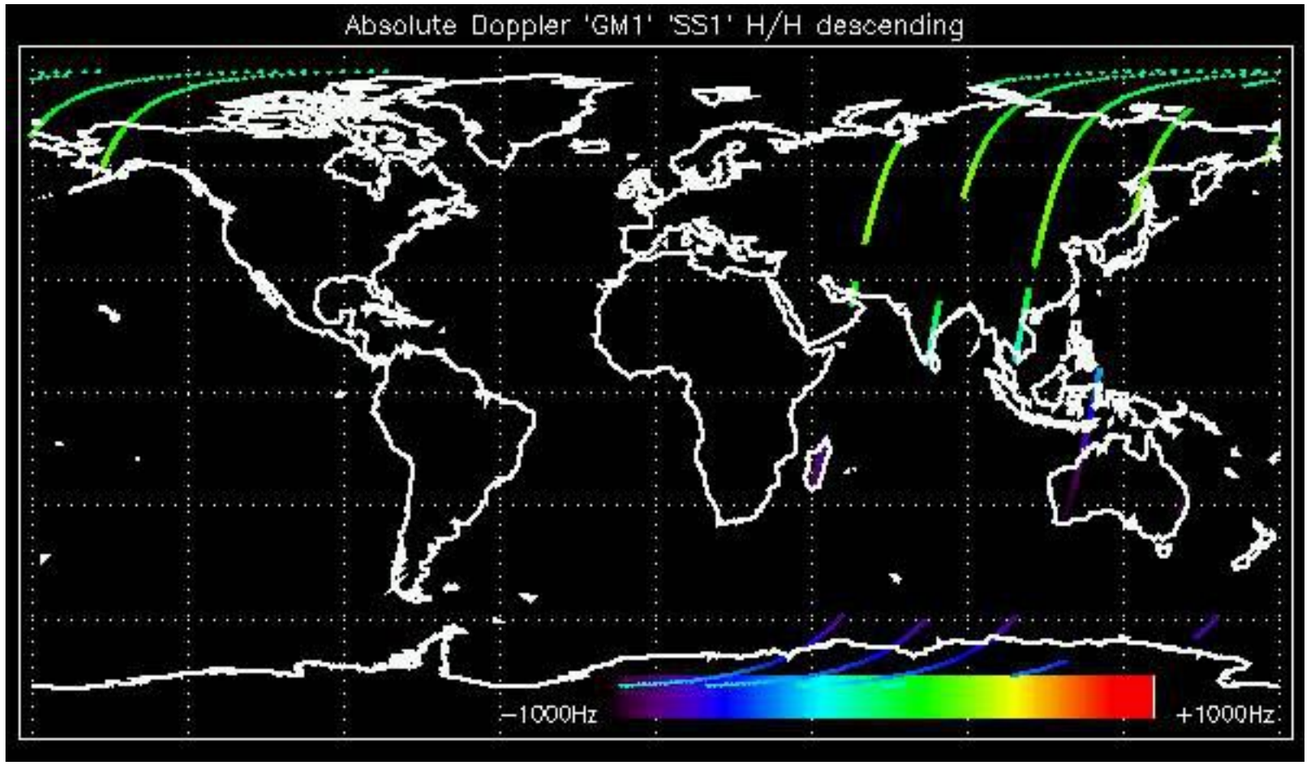
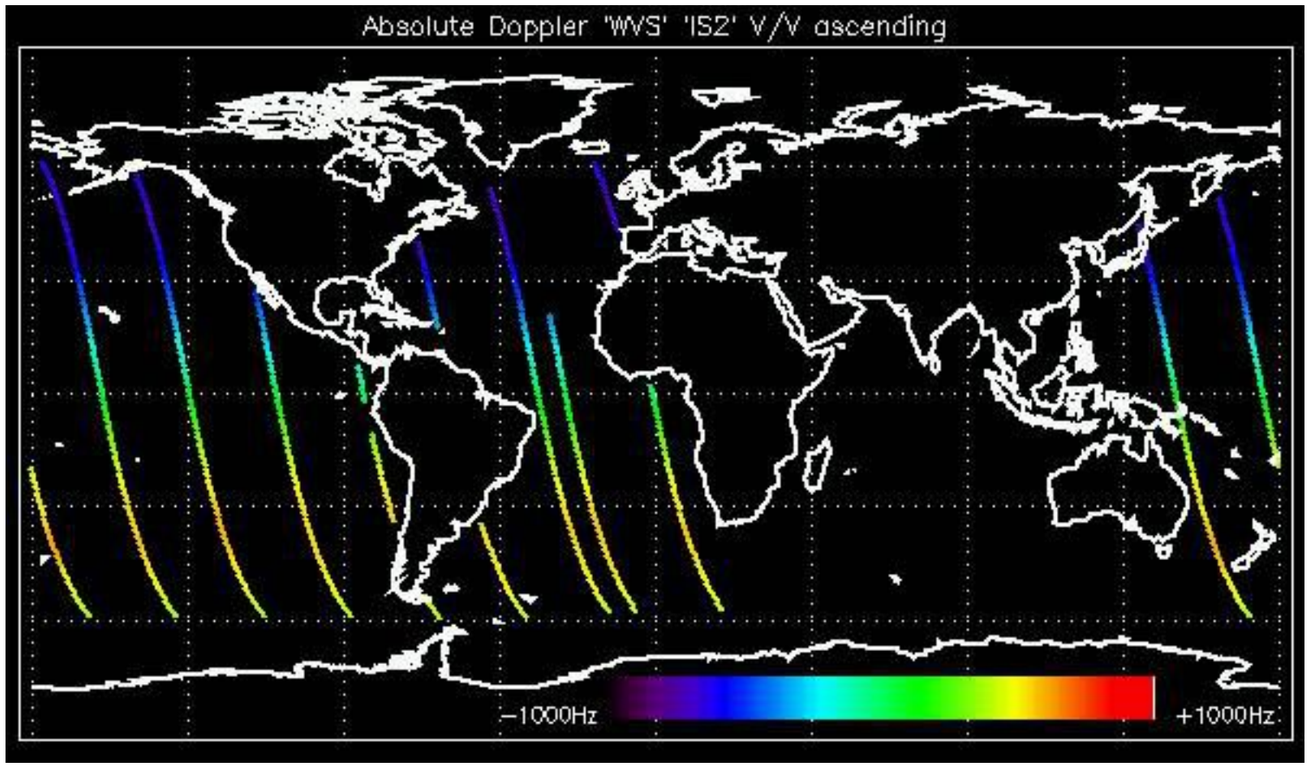
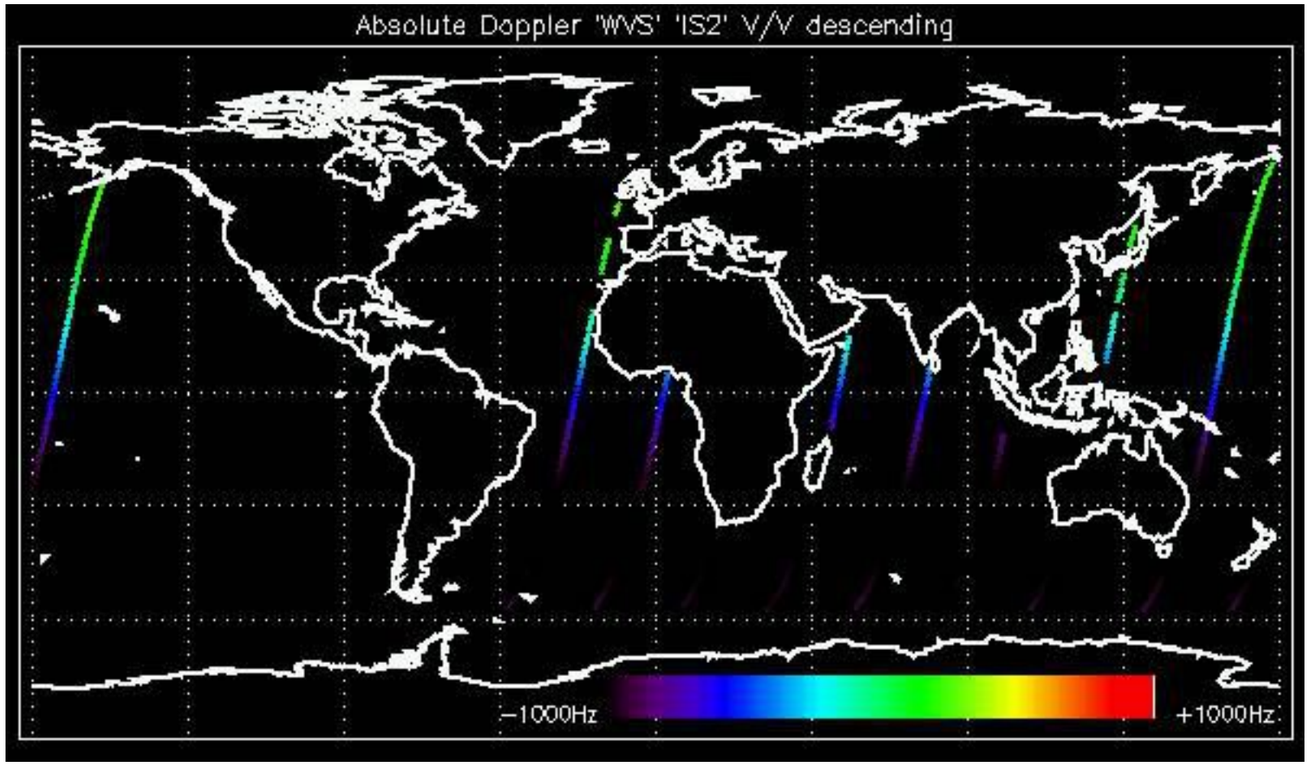
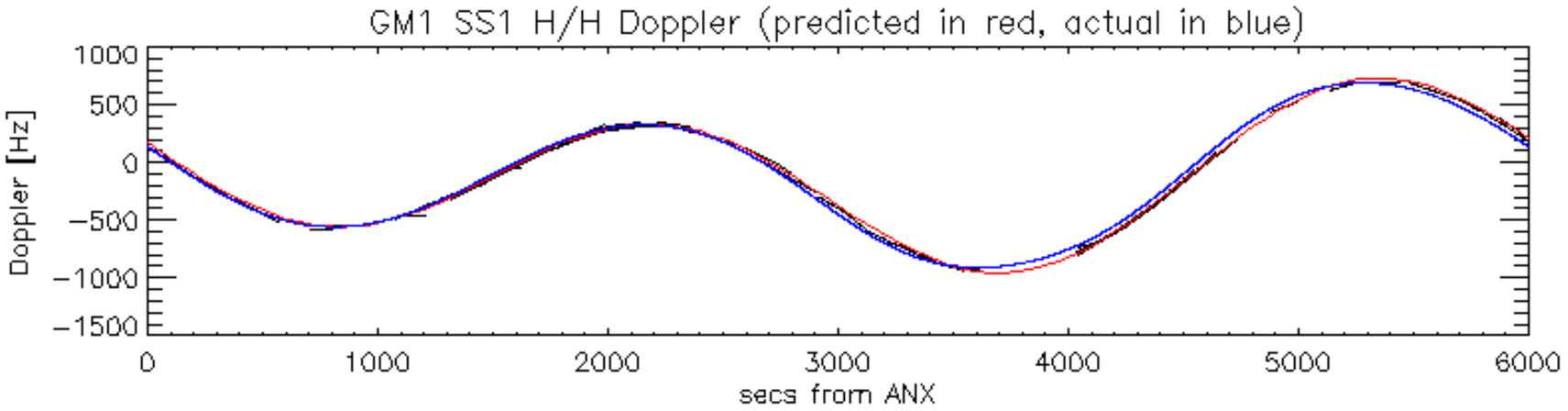
ASA_WVS_1PNPDK20100625_093752_000010642090_00351_43491_6418.N1	IS2	V/V	90	43491	351	5.03
ASA_WVS_1PNPDK20100625_101226_000018892090_00351_43491_6422.N1	IS2	V/V	90	43491	351	5.03
ASA_WVS_1PNPDK20100625_110547_000000452090_00352_43492_6432.N1	IS2	V/V	90	43492	352	5.03
ASA_WVS_1PNPDK20100625_110827_000001492090_00352_43492_6433.N1	IS2	V/V	90	43492	352	5.03
ASA_WVS_1PNPDK20100625_111347_000013492090_00352_43492_6435.N1	IS2	V/V	90	43492	352	5.03
ASA_WVS_1PNPDK20100625_115302_000017692090_00352_43492_6441.N1	IS2	V/V	90	43492	352	5.03
ASA_WVS_1PNPDE20100625_210707_000019642090_00358_43498_1726.N1	IS2	V/V	90	43498	358	5.03
ASA_WVS_1PNPDE20100625_215711_000001942090_00358_43498_1727.N1	IS2	V/V	90	43498	358	5.03
ASA_WVS_1PNPDE20100625_215941_000008692090_00358_43498_1740.N1	IS2	V/V	90	43498	358	5.03
ASA_WVS_1PNPDE20100625_215711_000001942090_00358_43498_1727.N1	IS1	V/V	90	43498	358	5.03
ASA_WVS_1PNPDE20100625_222545_000003002090_00359_43499_1742.N1	IS2	V/V	90	43499	359	5.03
ASA_WVS_1PNPDE20100625_224655_000014092090_00359_43499_1744.N1	IS2	V/V	90	43499	359	5.03
ASA_WVS_1PNPDE20100625_231659_000002102090_00359_43499_1745.N1	IS2	V/V	90	43499	359	5.03
ASA_WVS_1PNPDE20100625_233742_000003592090_00359_43499_1748.N1	IS2	V/V	90	43499	359	5.03
ASA_WVS_1PNPDE20100625_234242_000016042090_00359_43499_1766.N1	IS2	V/V	90	43499	359	5.03
ASA_WVS_1PNPDE20100625_233742_000003592090_00359_43499_1748.N1	IS1	V/V	90	43499	359	5.03

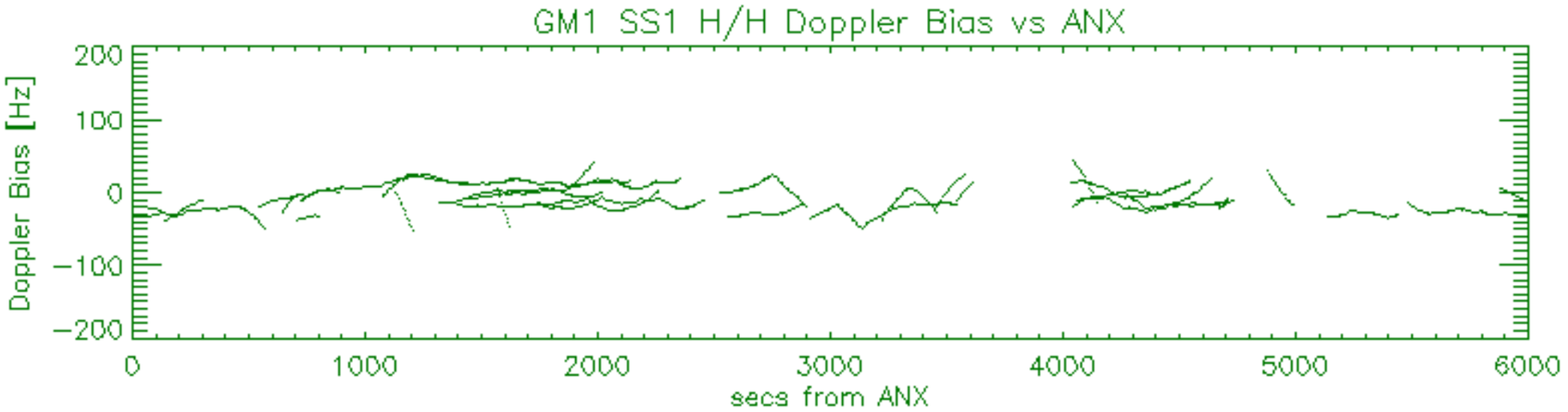

Absolute Doppler 'GM1' 'SS1' H/H ascending
−1000Hz
+1000Hz

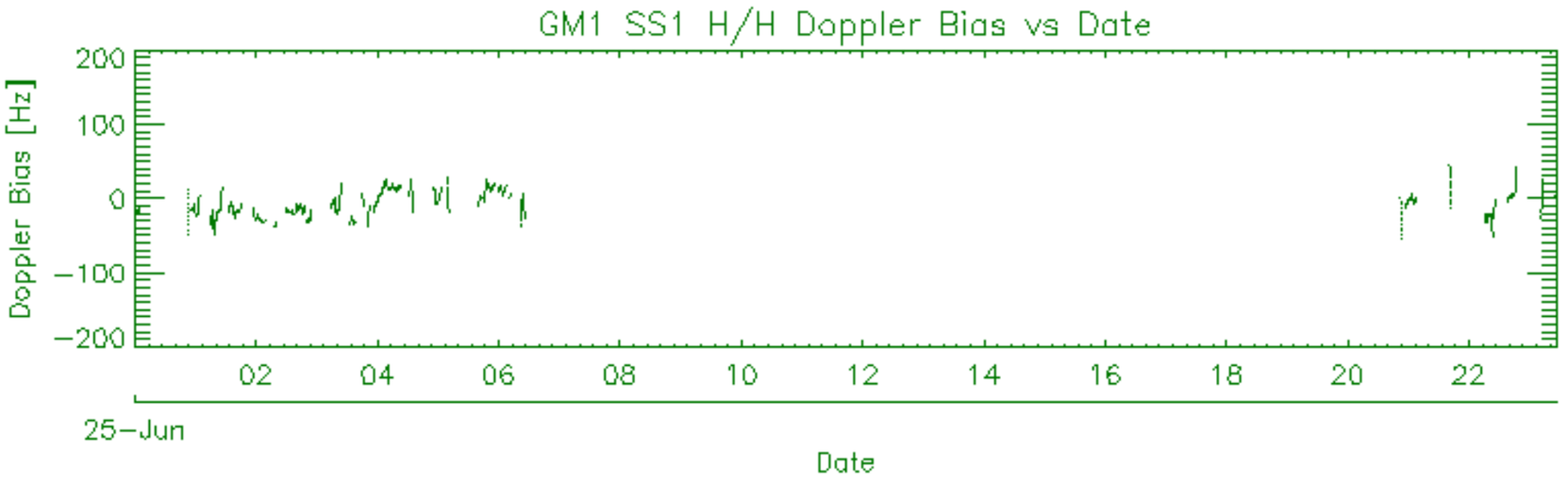

Absolute Doppler 'GM1' 'SS1' H/H descending
−1000Hz
+1000Hz

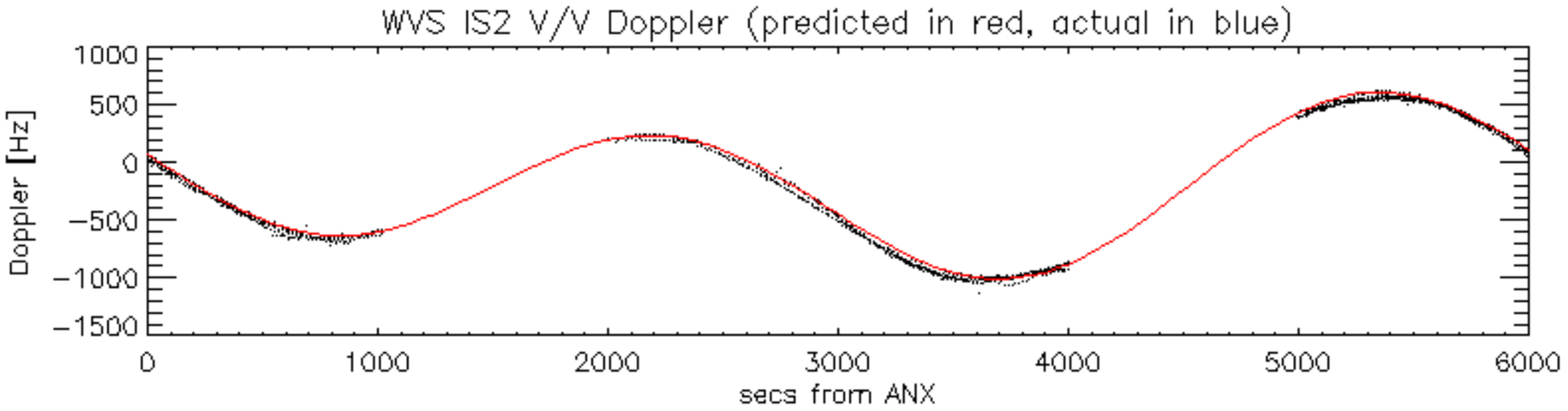

Absolute Doppler 'WVS' 'IS2' V/V ascending
−1000Hz
+1000Hz

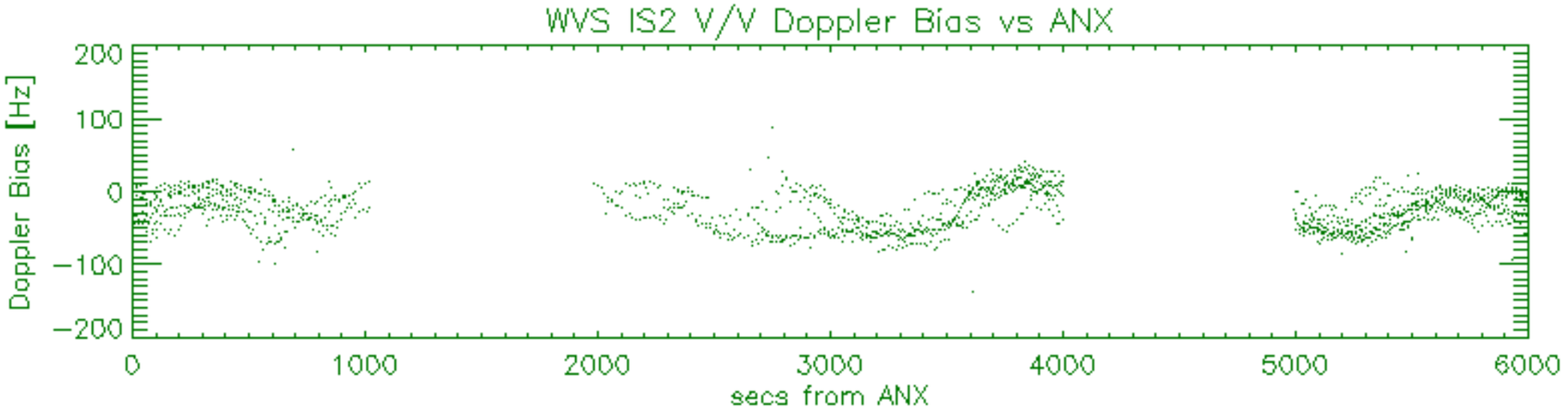

Absolute Doppler 'WVS' 'IS2' V/V descending
−1000Hz
+1000Hz

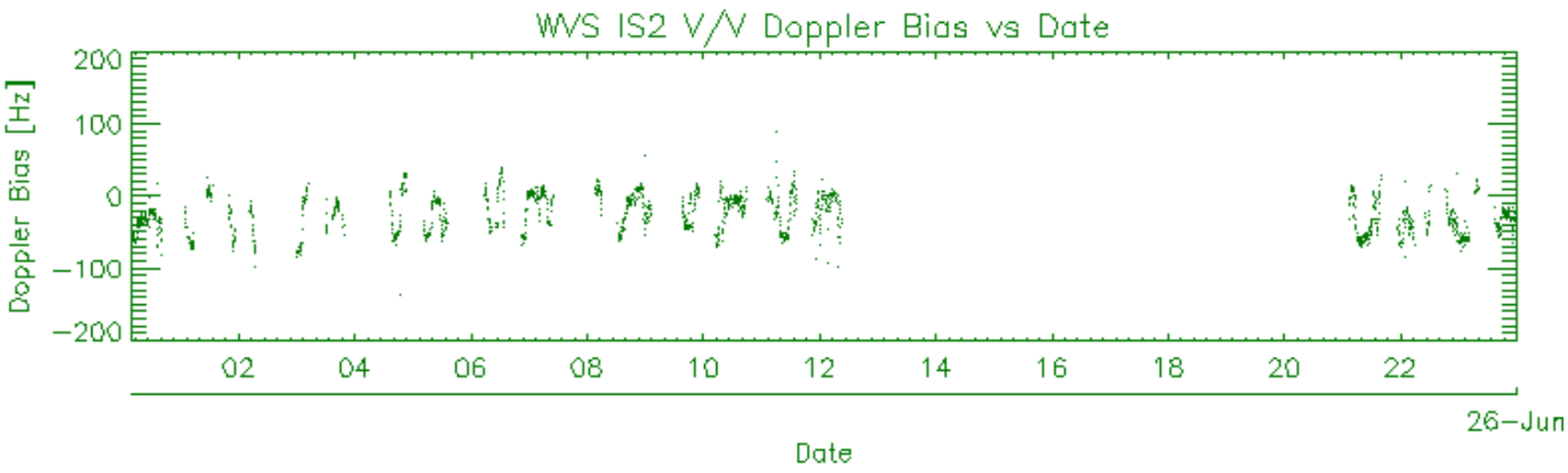

GM1 SS1 H/H Doppler (predicted in red, actual in blue)
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

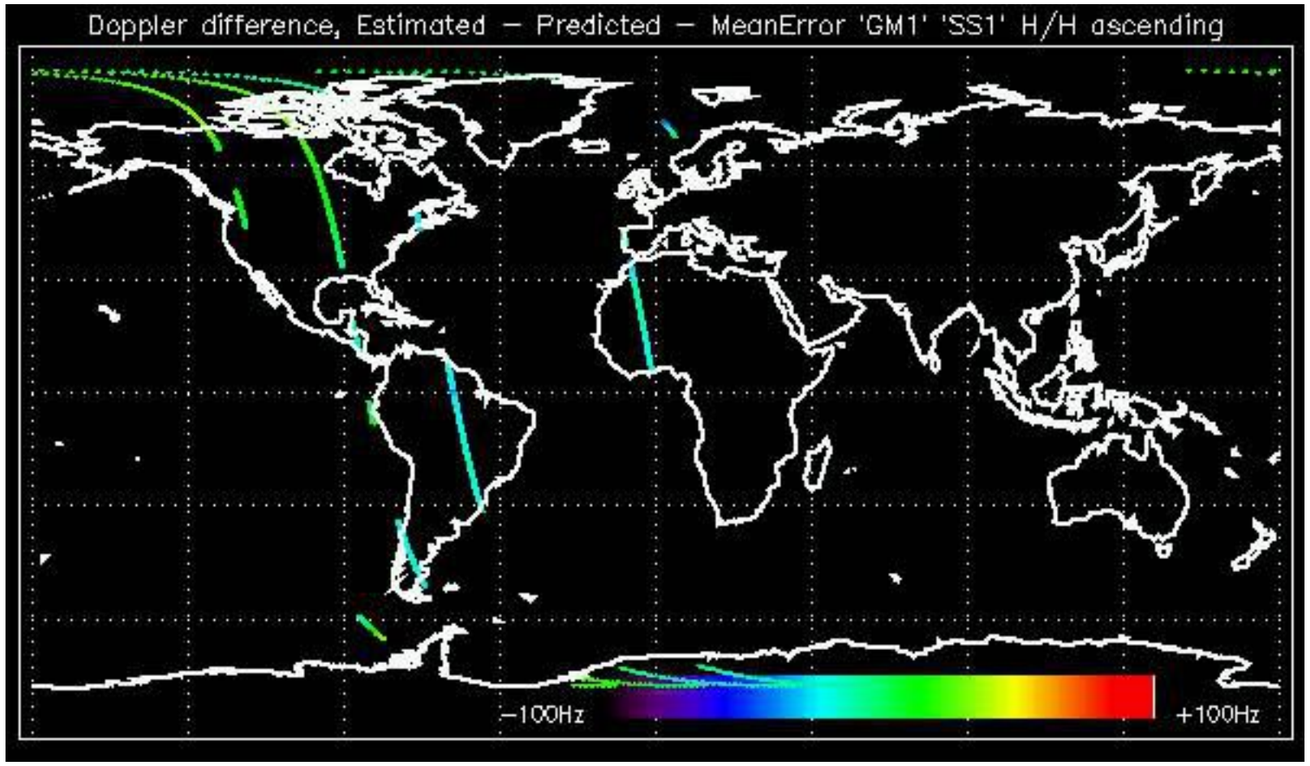

GM1 SS1 H/H Doppler Bias vs ANX
Doppler Bias [Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

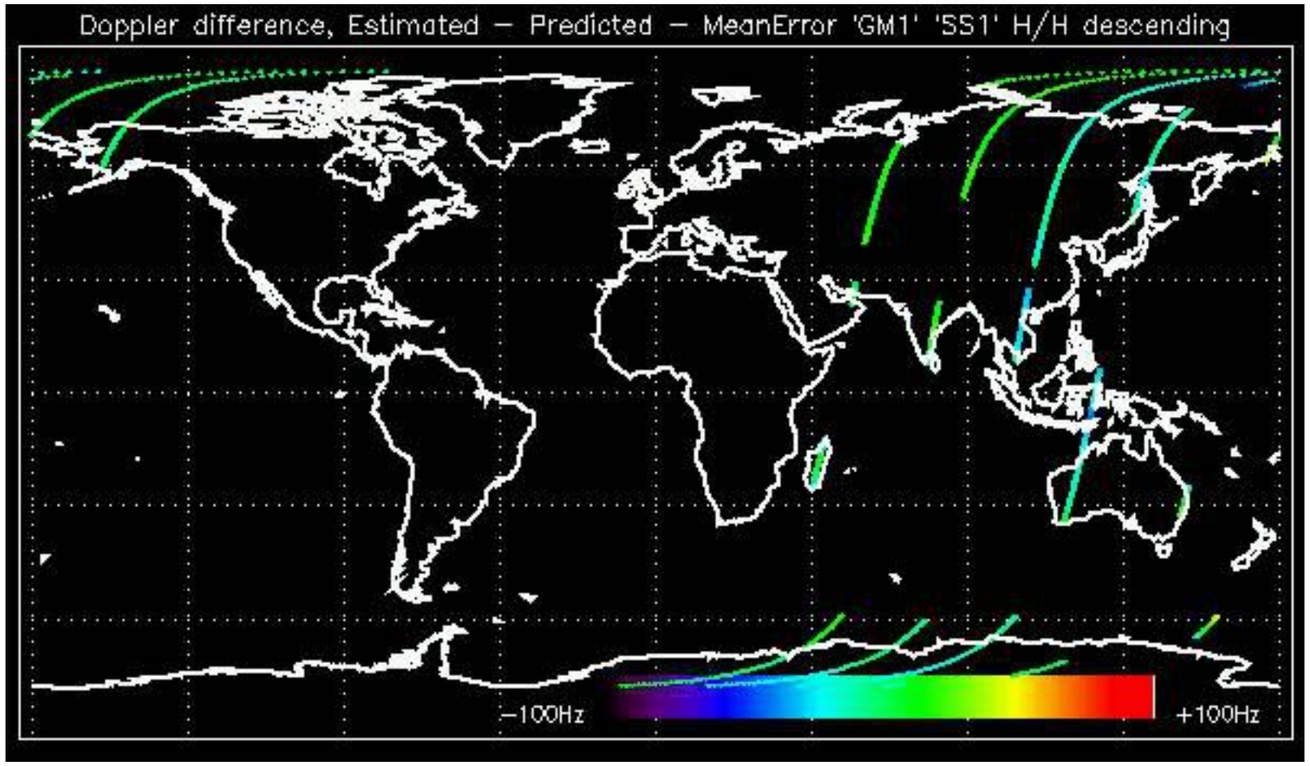

GM1 SS1 H/H Doppler Bias vs Date
Doppler Bias [Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
25−Jun
Date

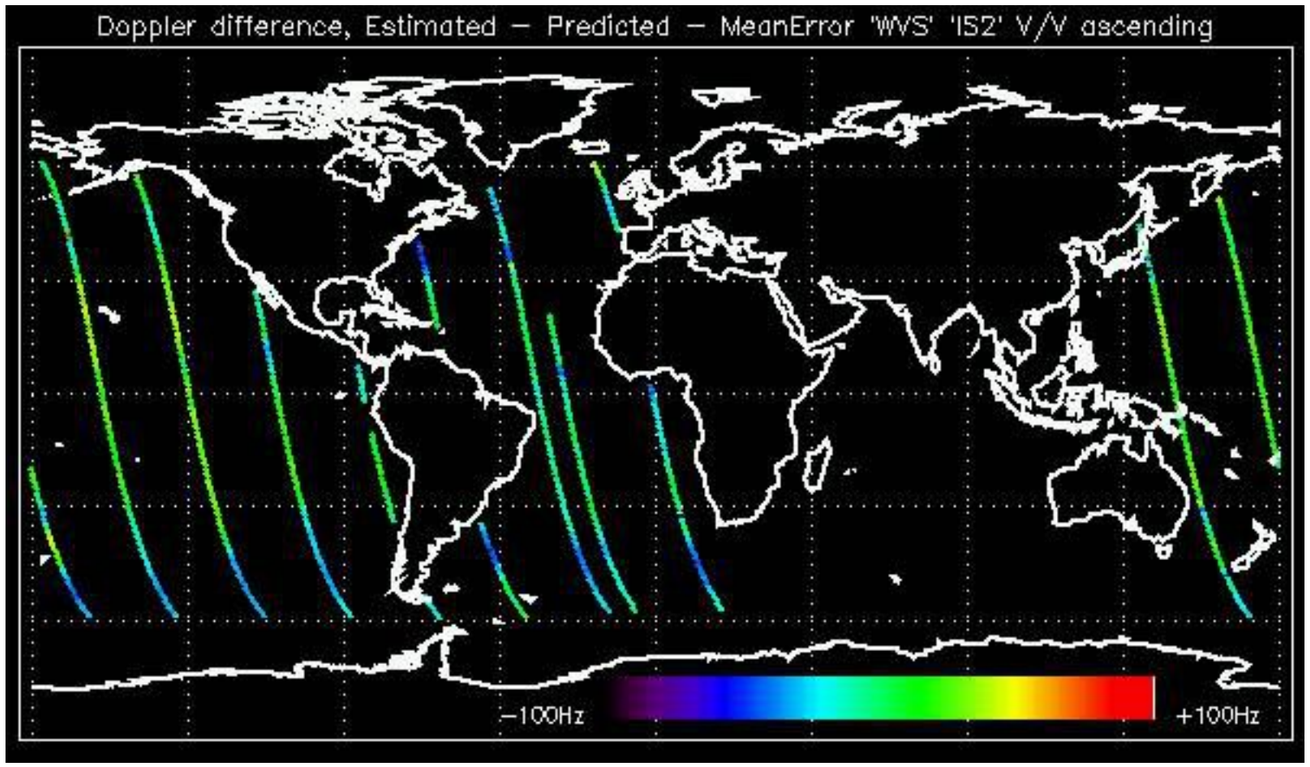

WVS IS2 V/V Doppler (predicted in red, actual in blue)
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

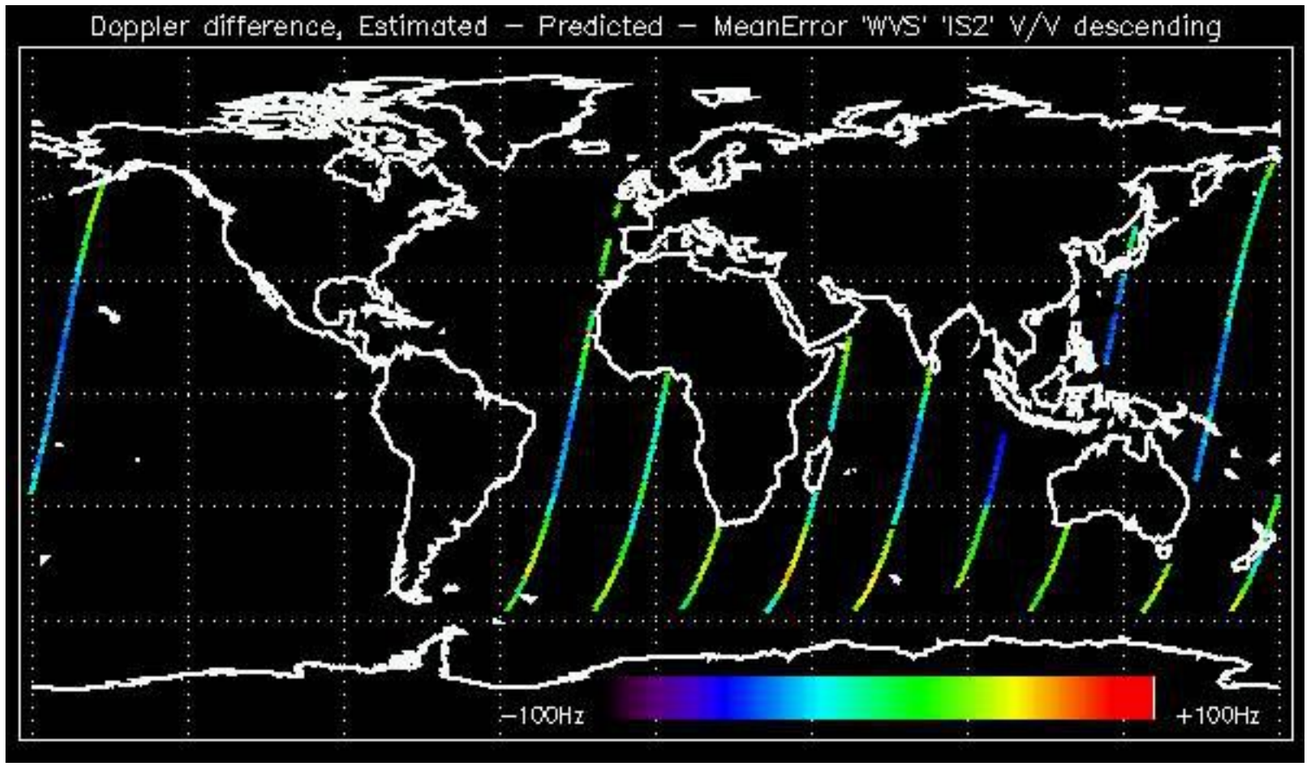

WVS IS2 V/V Doppler Bias vs ANX
Doppler Bias [Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

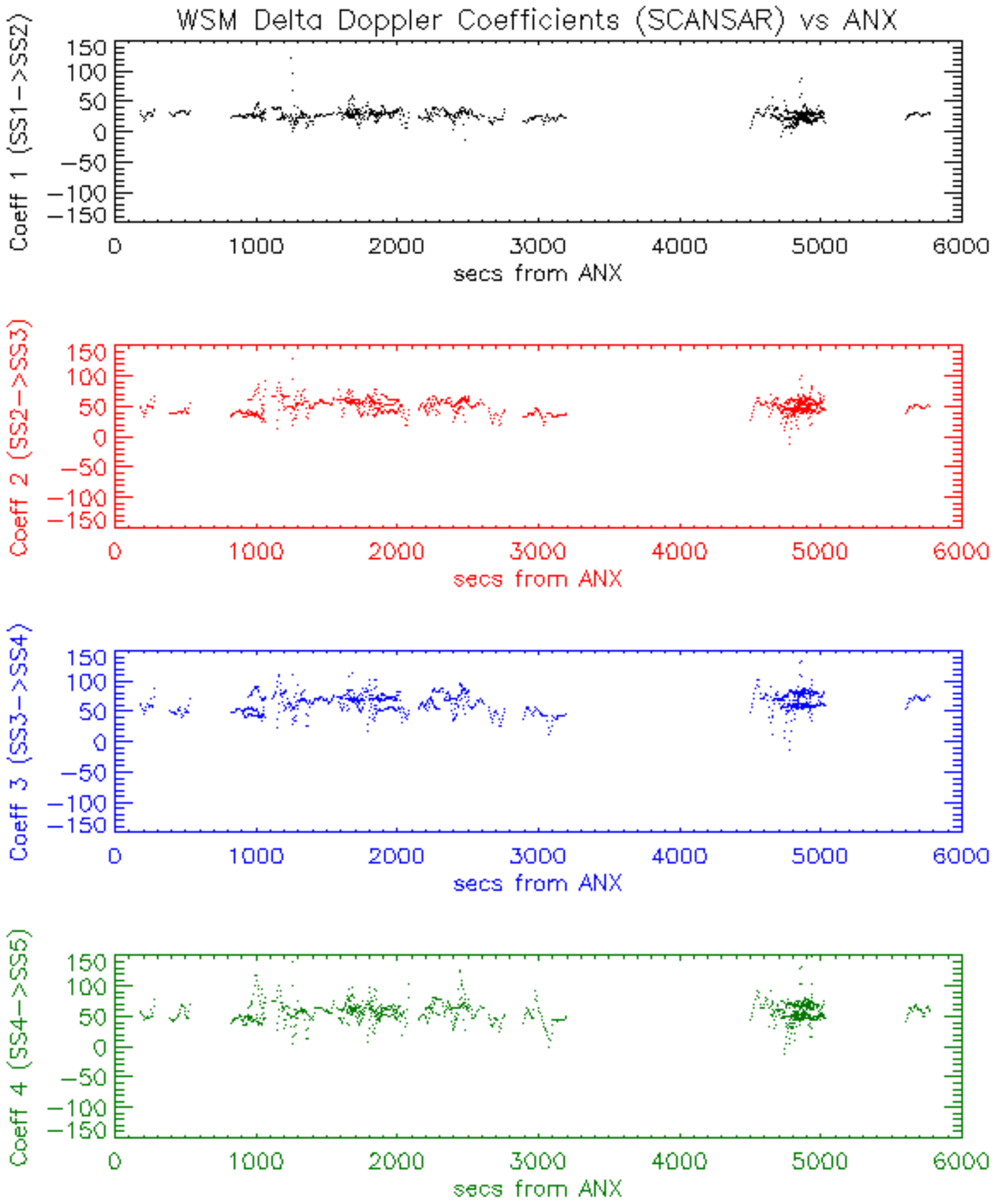

WVS IS2 V/V Doppler Bias vs Date
Doppler Bias [Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
26-Jun
Date

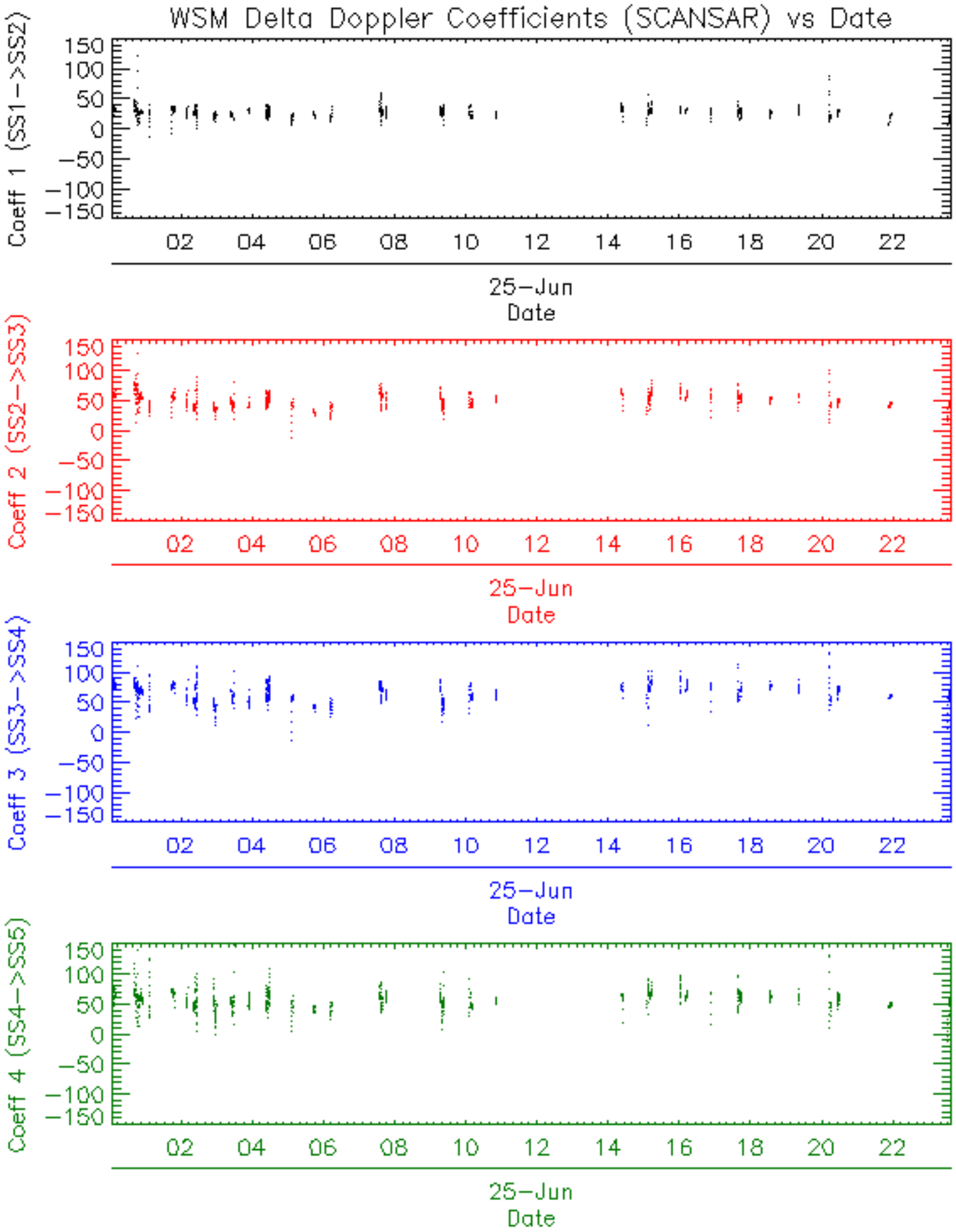

Doppler difference, Estimated – Predicted – MeanError 'GM1' 'SS1' H/H ascending
−100Hz
+100Hz

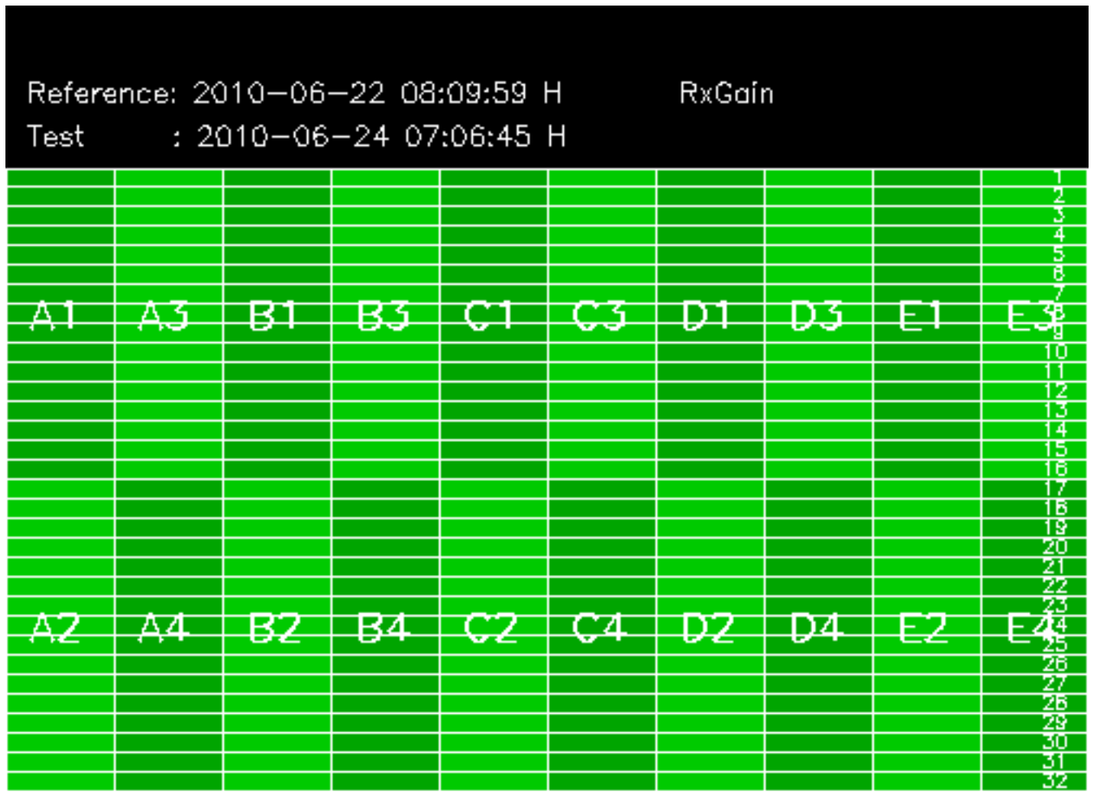

Doppler difference, Estimated – Predicted – MeanError 'GM1' 'SS1' H/H descending
−100Hz
+100Hz


Doppler difference, Estimated – Predicted – MeanError 'WVS' 'IS2' V/V ascending
−100Hz
+100Hz


Doppler difference, Estimated – Predicted – MeanError 'WVS' 'IS2' V/V descending
−100Hz
+100Hz


WSM Delta Doppler Coefficients (SCANSAR) vs ANX
Coeff 1 (SS1->SS2)
Coeff 2 (SS2->SS3)
Coeff 3 (SS3->SS4)
Coeff 4 (SS4->SS5)
150
100
50
0
−50
−100
−150
0
1000
2000
3000
4000
5000
6000
secs from ANX


WSM Delta Doppler Coefficients (SCANSAR) vs Date
Coeff 1 (SS1->SS2)
150
100
50
0
−50
−100
−150
02 04 06 08 10 12 14 16 18 20 22
25−Jun
Date
Coeff 2 (SS2->SS3)
150
100
50
0
−50
−100
−150
02 04 06 08 10 12 14 16 18 20 22
25−Jun
Date
Coeff 3 (SS3->SS4)
150
100
50
0
−50
−100
−150
02 04 06 08 10 12 14 16 18 20 22
25−Jun
Date
Coeff 4 (SS4->SS5)
150
100
50
0
−50
−100
−150
02 04 06 08 10 12 14 16 18 20 22
25−Jun
Date


Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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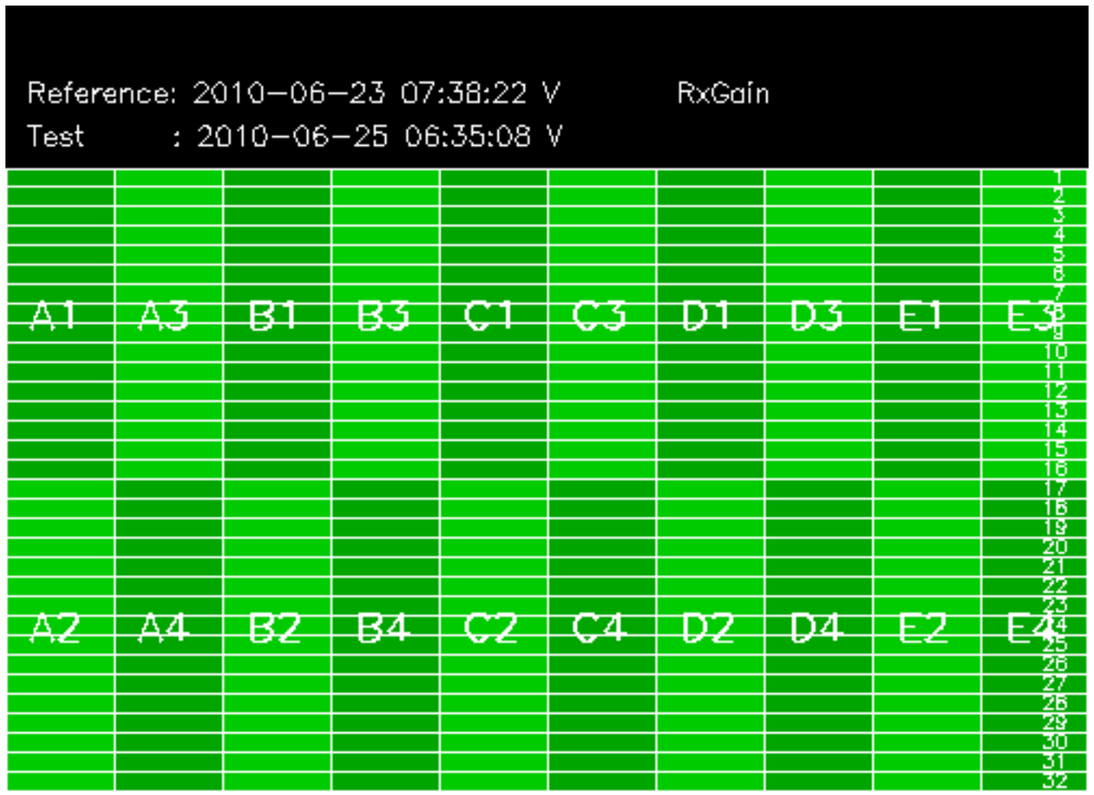
Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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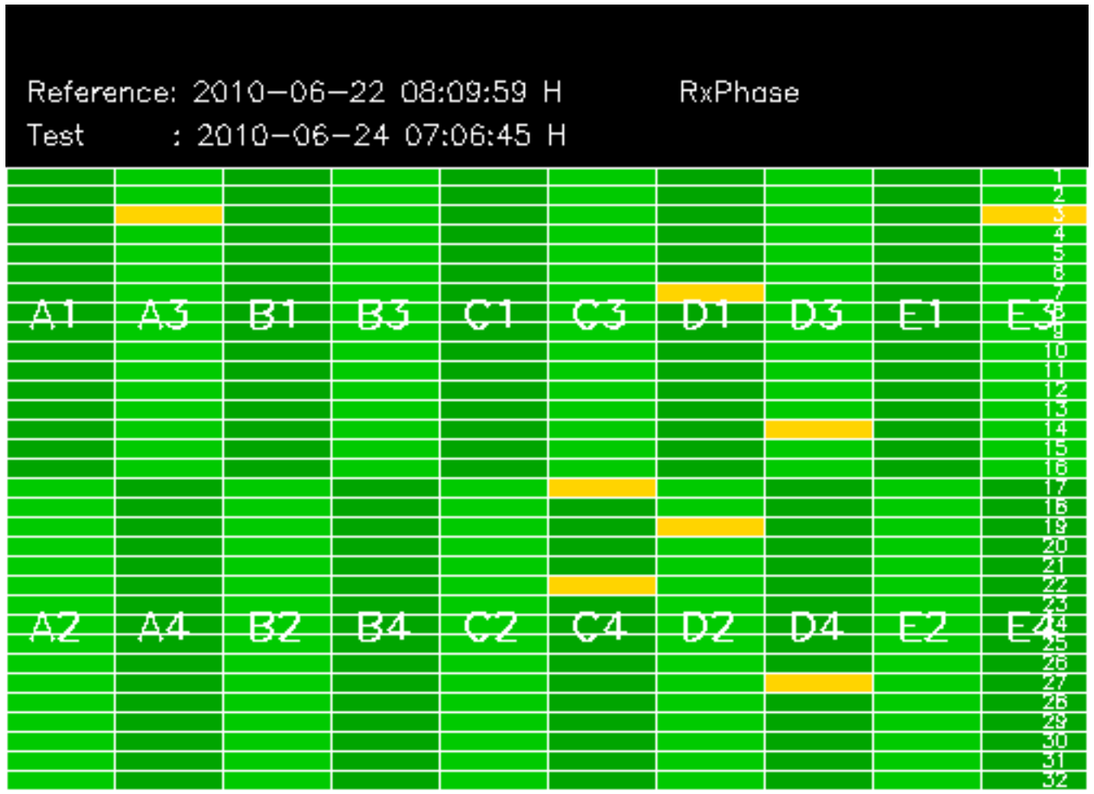
Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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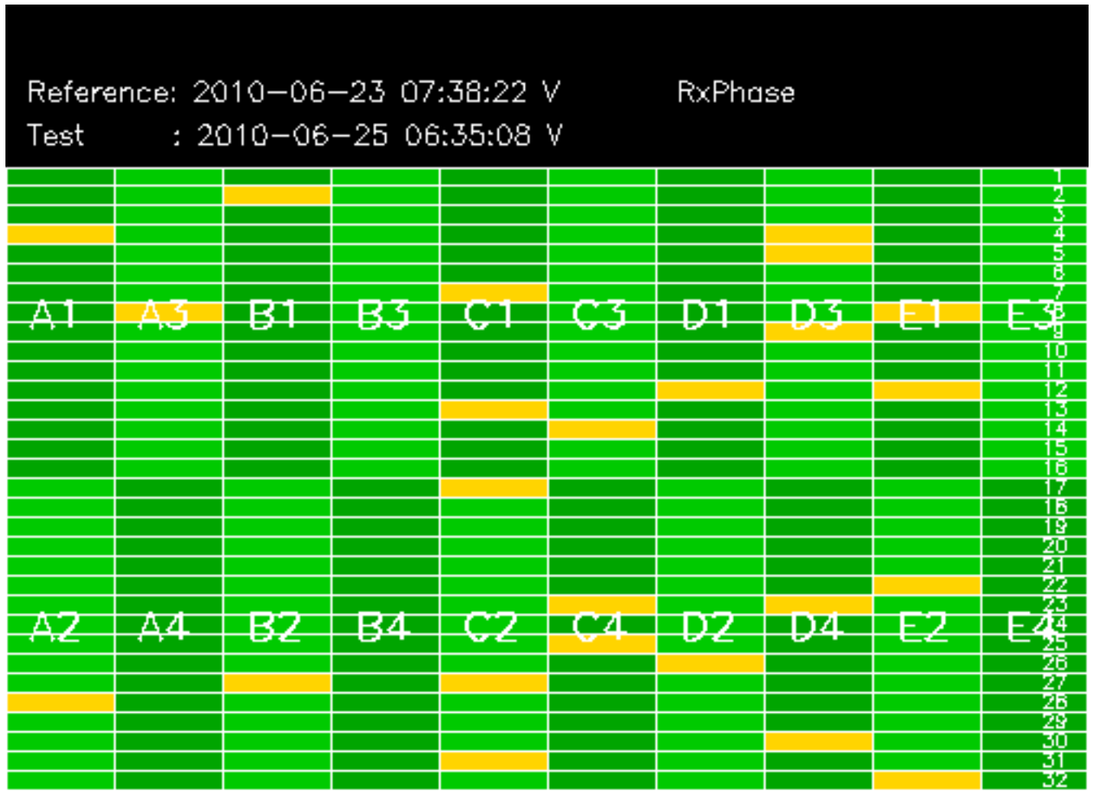
Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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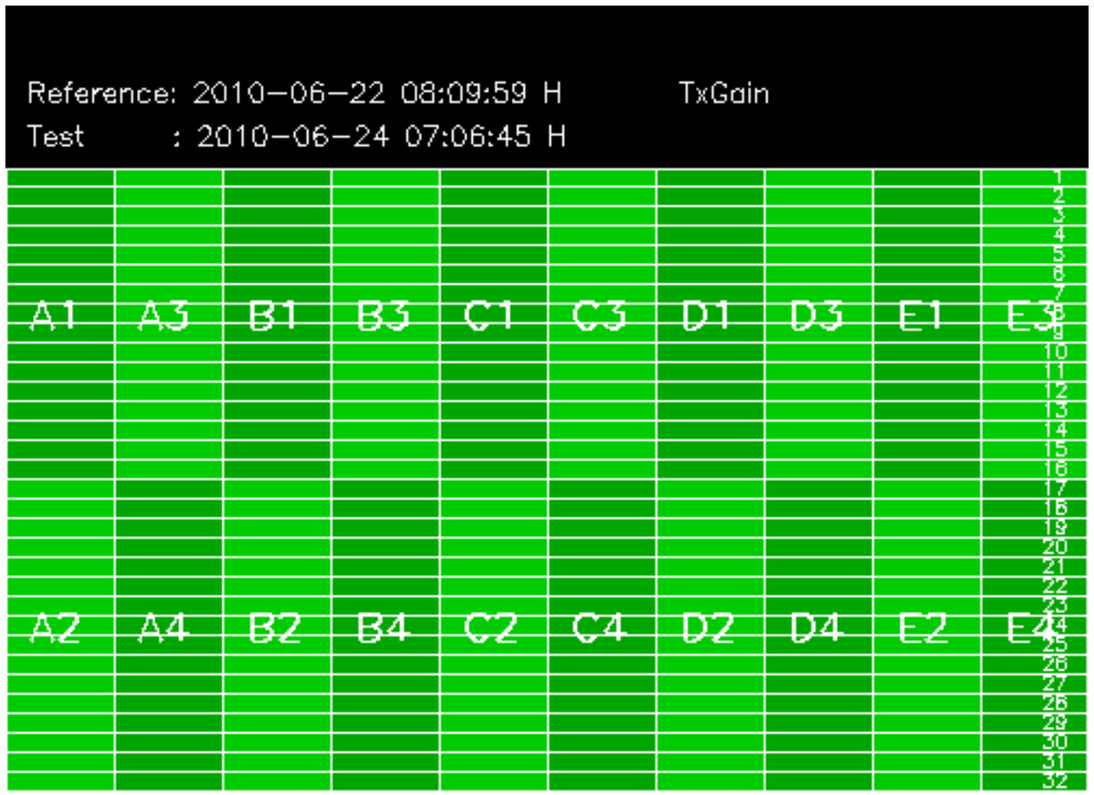
Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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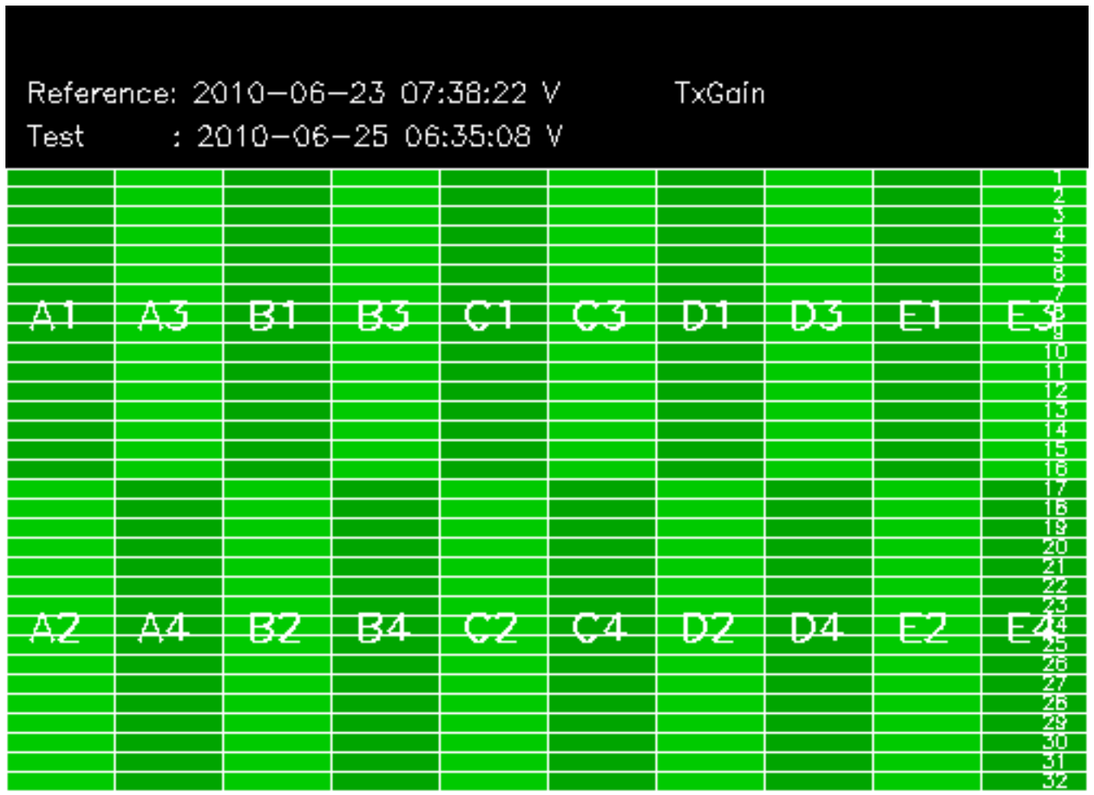
Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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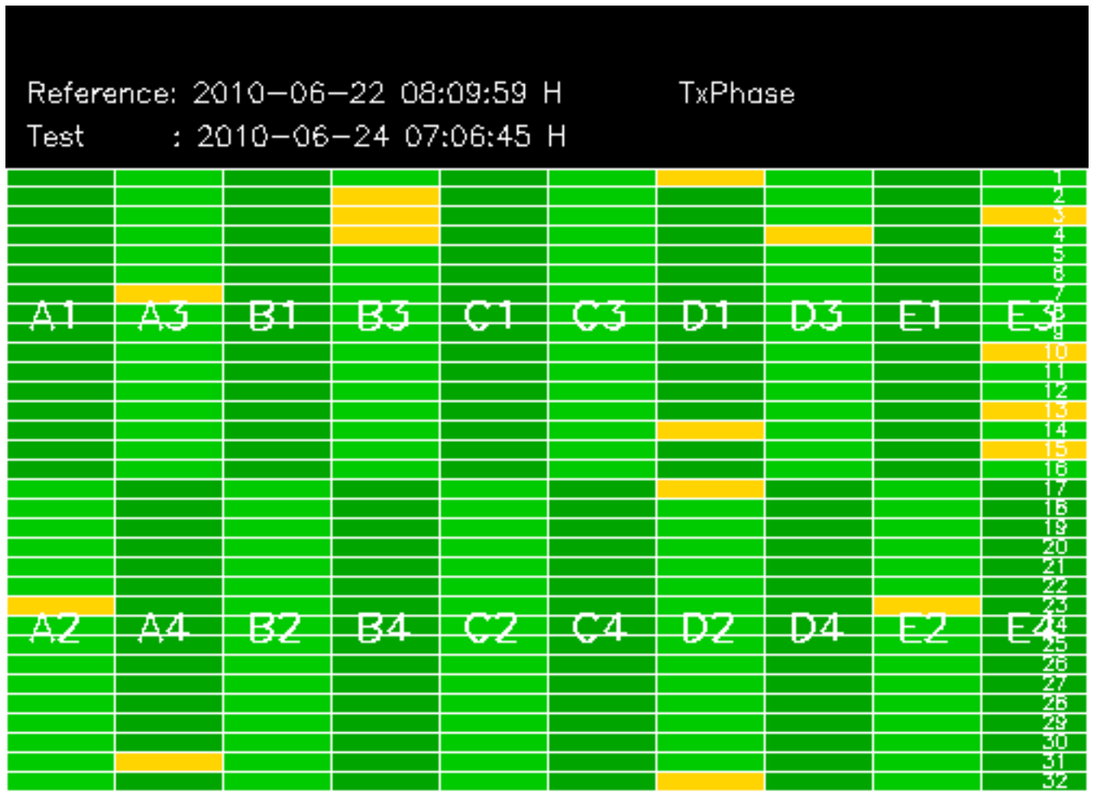
Reference: 2010-06-22 08:09:59 H
Test : 2010-06-24 07:06:45 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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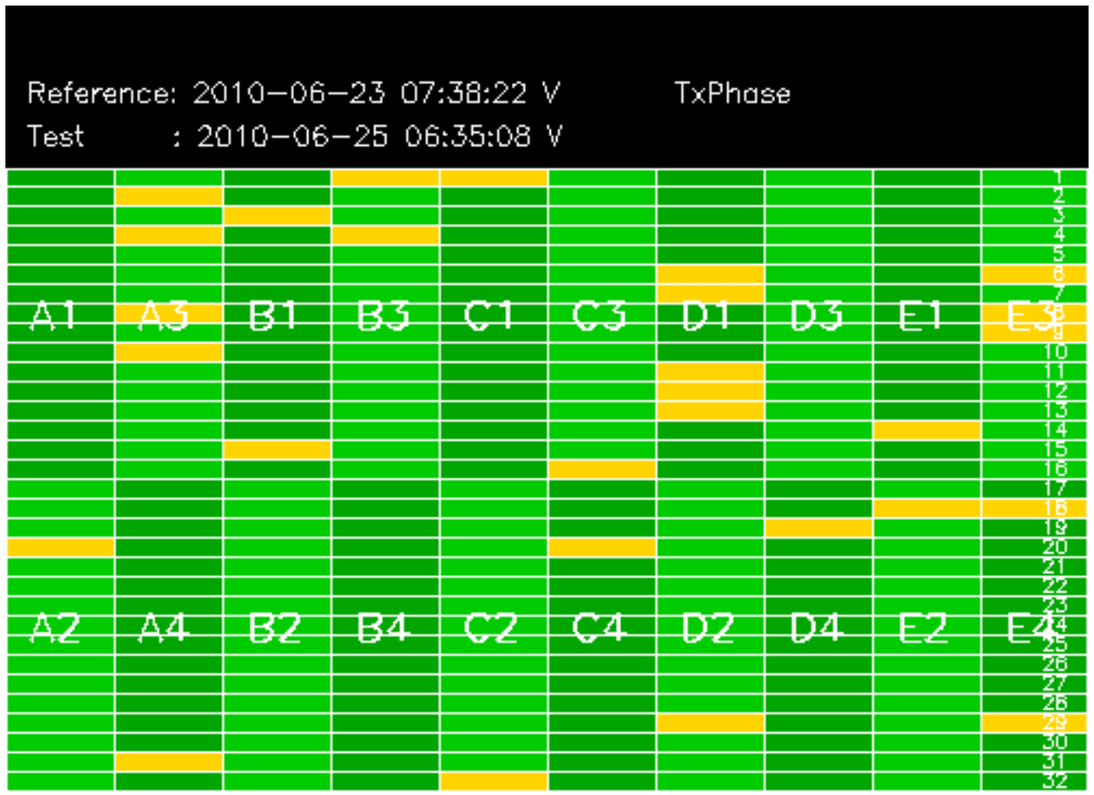
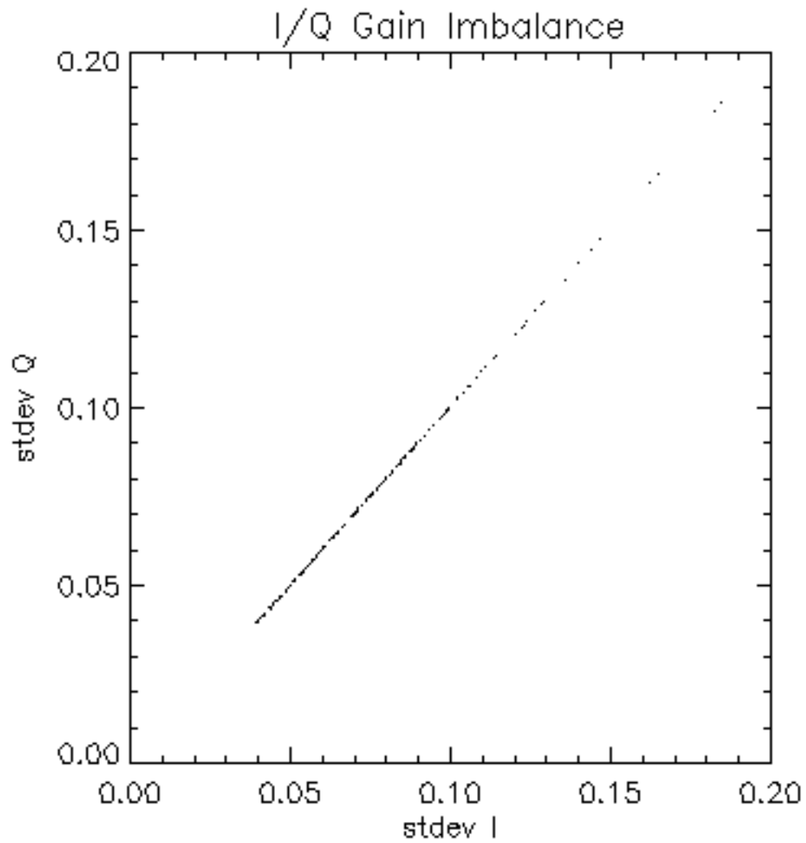
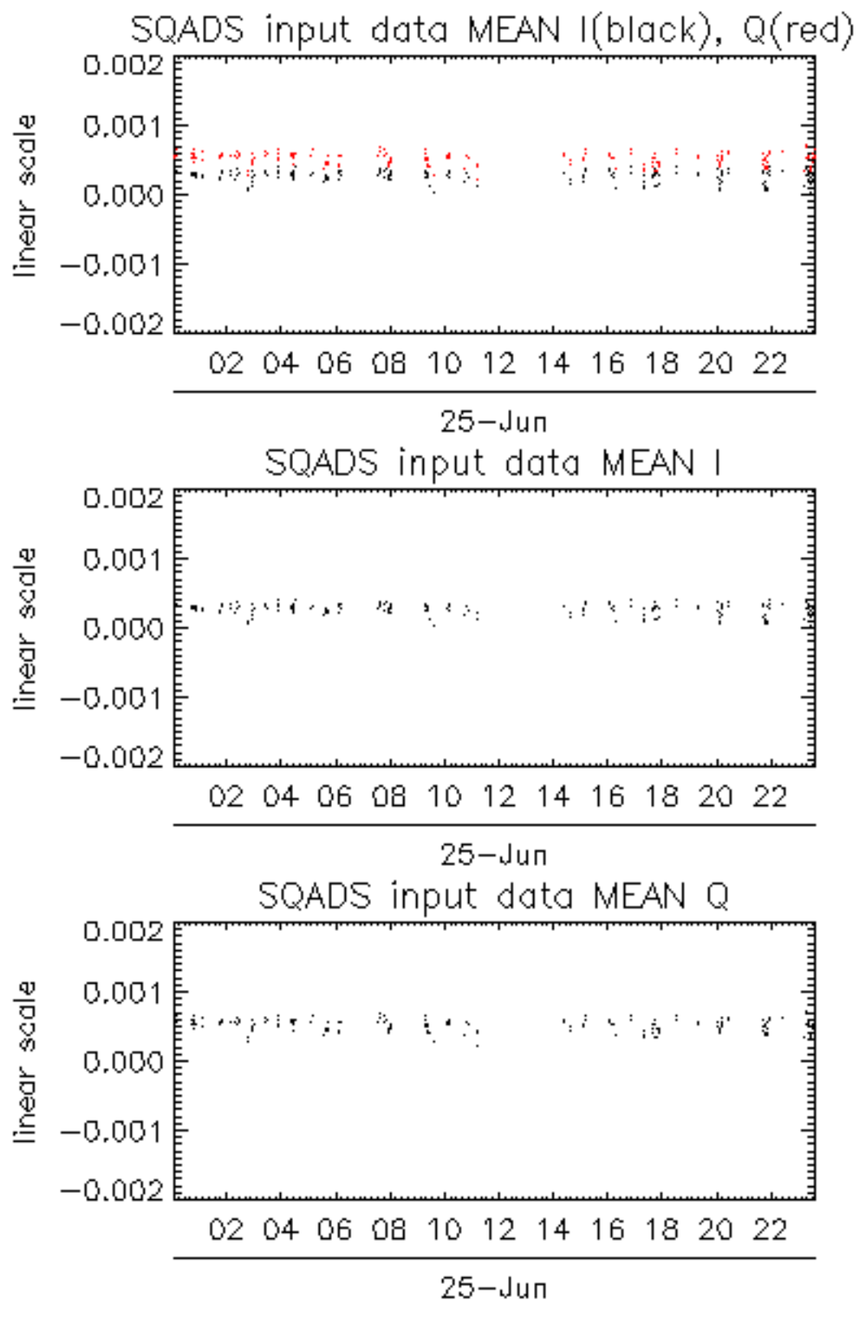
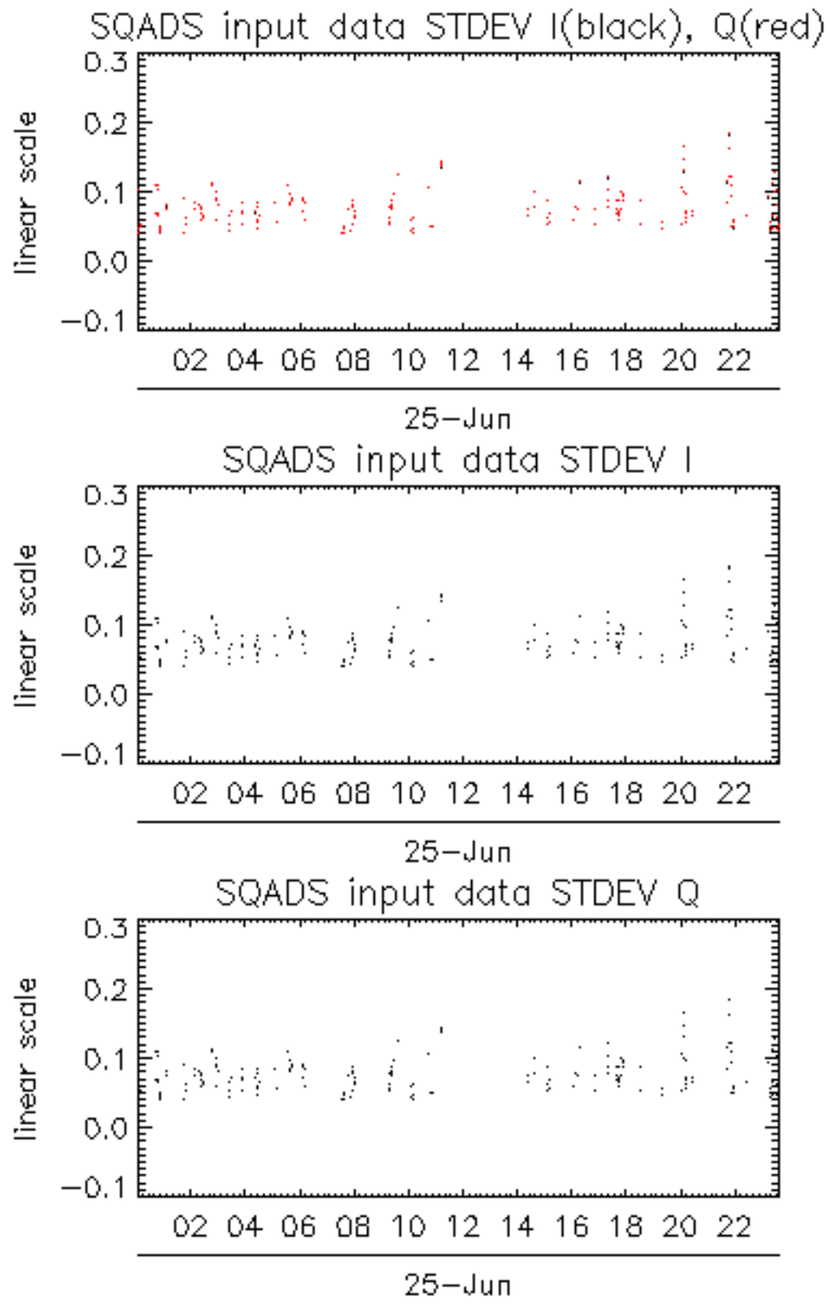
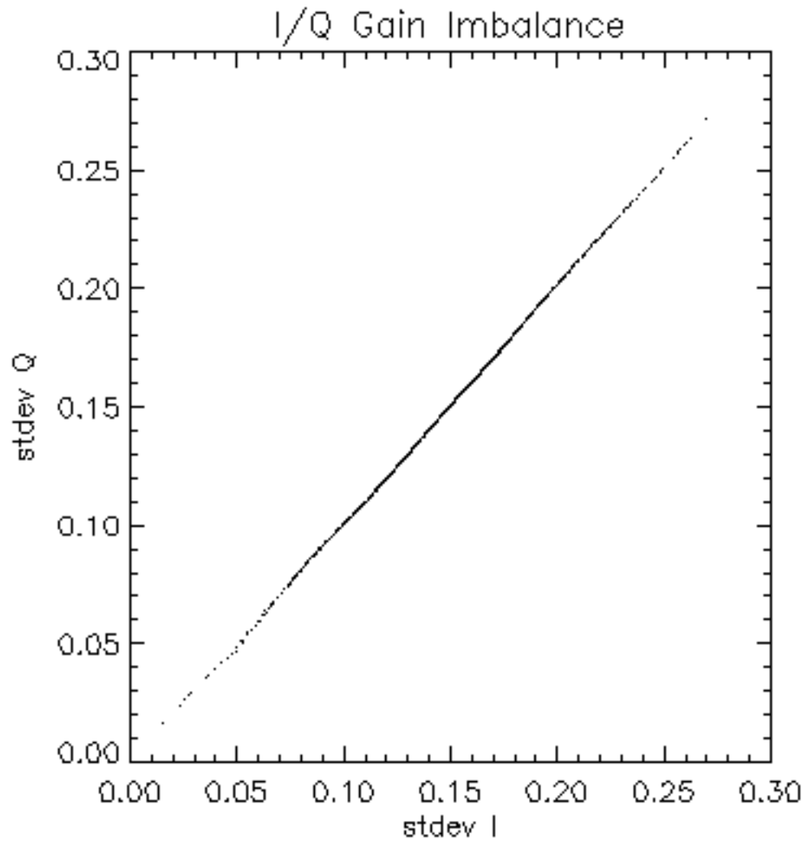
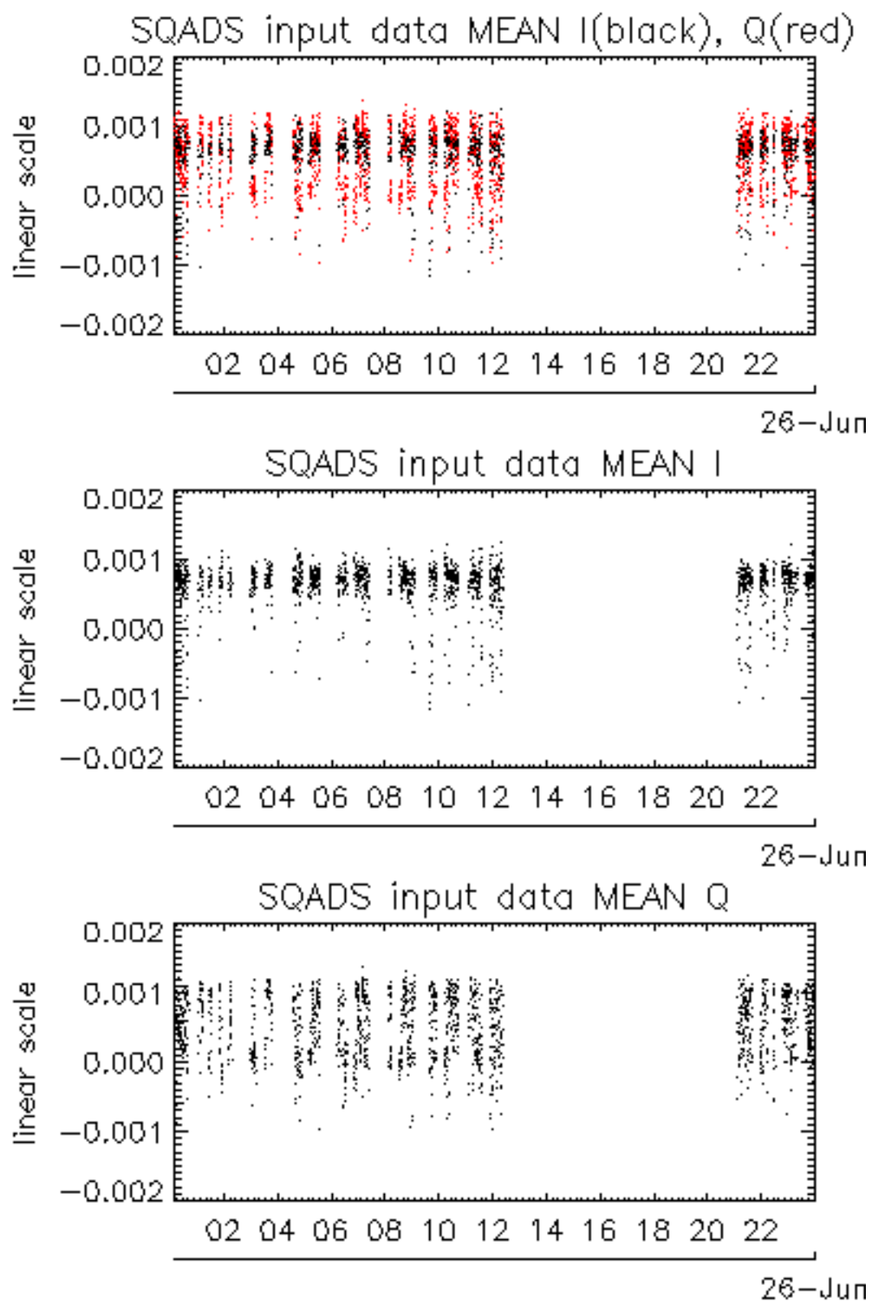

Reference: 2010-06-23 07:38:22 V
Test : 2010-06-25 06:35:08 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

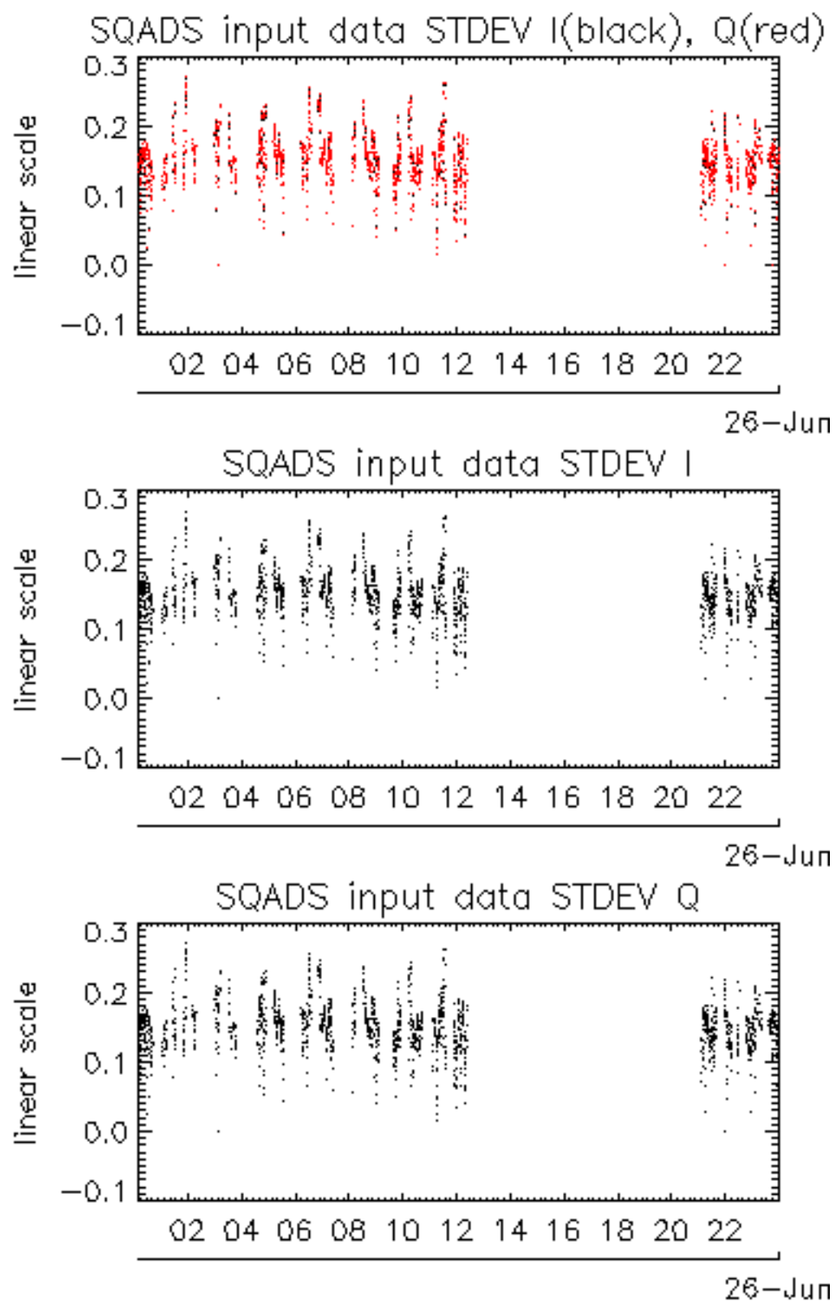

I/Q Gain Imbalance
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00
0.05
0.10
0.15
0.20
stdev I

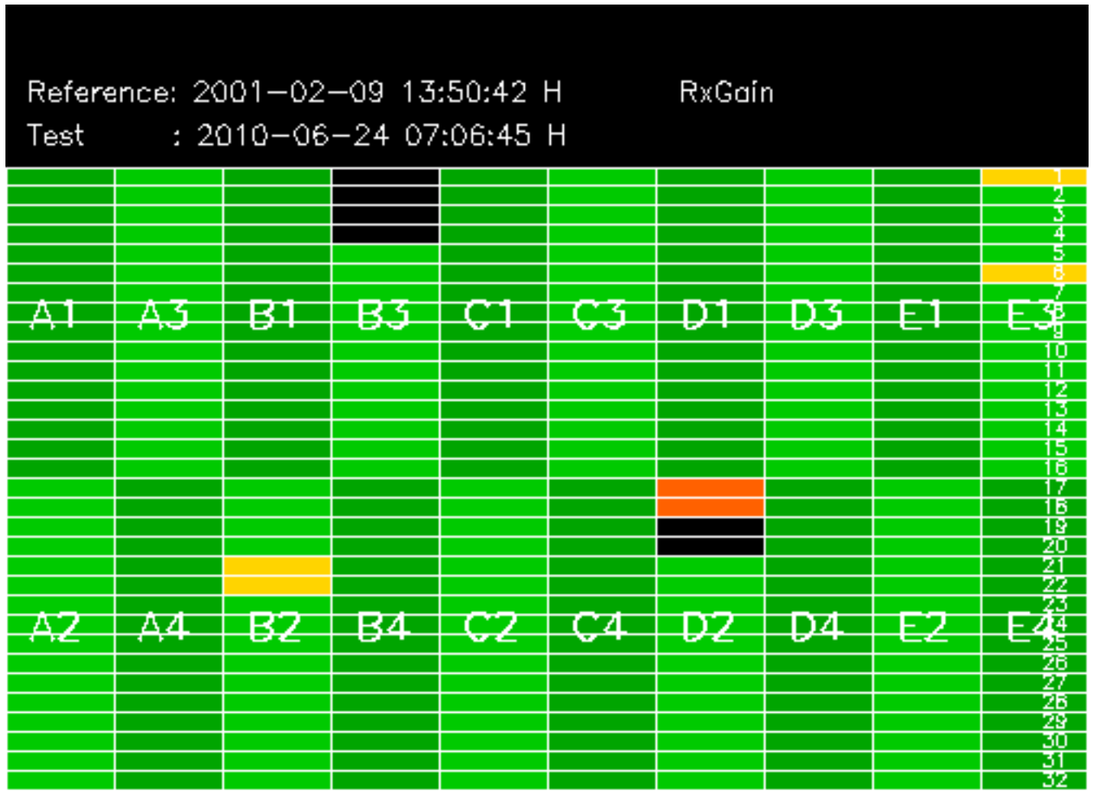

SQADS input data MEAN I(black), Q(red)
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
25−Jun
SQADS input data MEAN I
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
25−Jun
SQADS input data MEAN Q
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
25−Jun

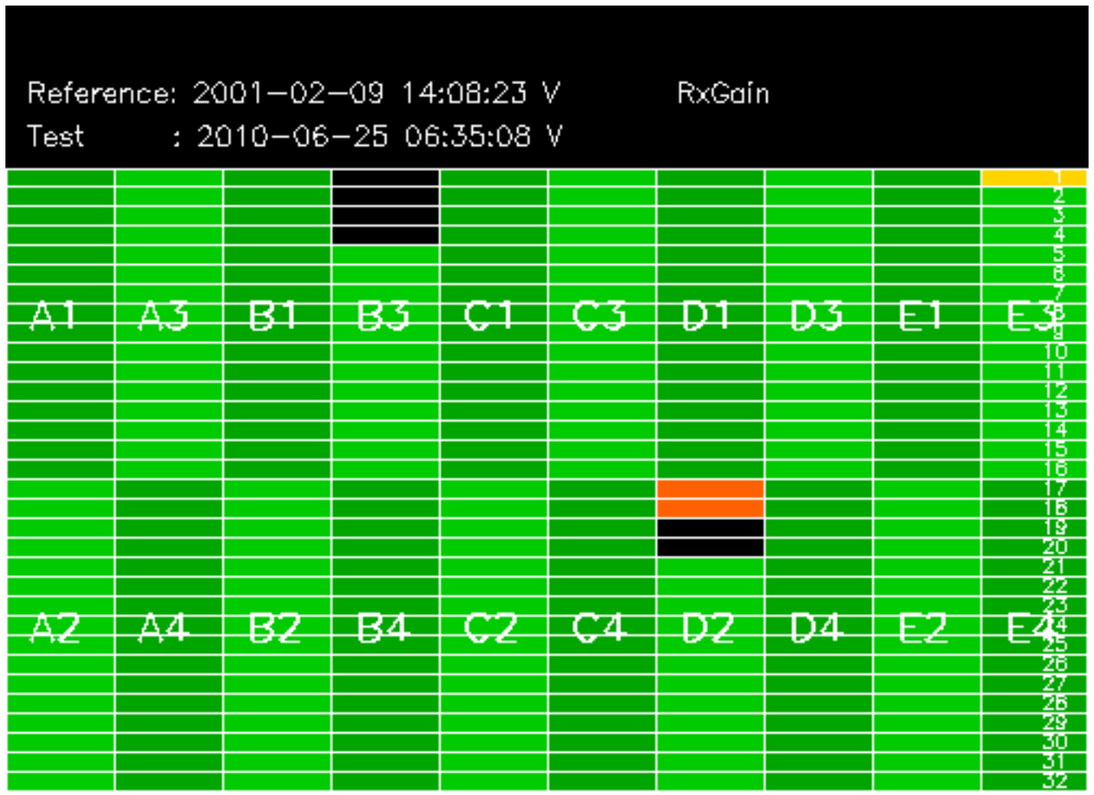

SQADS input data STDEV I(black), Q(red)
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
25−Jun
SQADS input data STDEV I
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
25−Jun
SQADS input data STDEV Q
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
25−Jun


I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00
0.05
0.10
0.15
0.20
0.25
0.30
stdev I


SQADS input data MEAN I(black), Q(red)
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
26−Jun
SQADS input data MEAN I
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
26−Jun
SQADS input data MEAN Q
linear scale
0.002
0.001
0.000
−0.001
−0.002
02 04 06 08 10 12 14 16 18 20 22
26−Jun


SQADS input data STDEV I(black), Q(red)
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
26−Jun
SQADS input data STDEV I
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
26−Jun
SQADS input data STDEV Q
linear scale
0.3
0.2
0.1
0.0
−0.1
02 04 06 08 10 12 14 16 18 20 22
26−Jun


Reference: 2001-02-09 13:50:42 H
Test : 2010-06-24 07:06:45 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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E4
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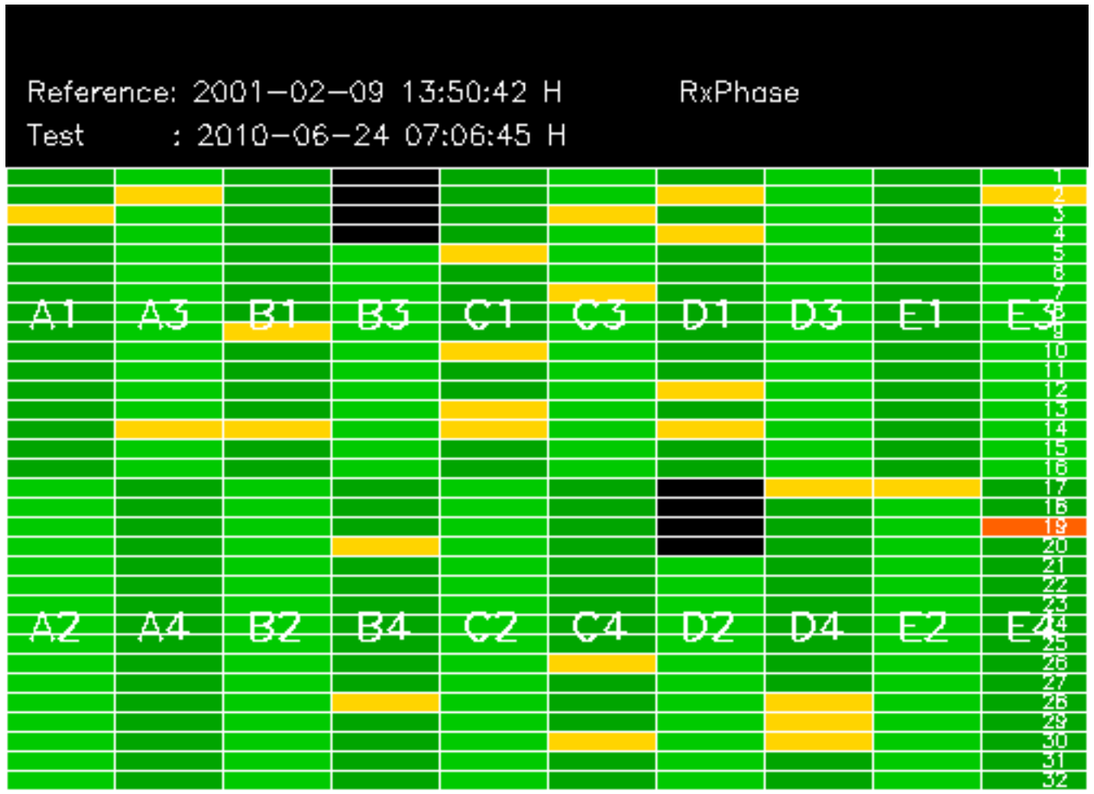
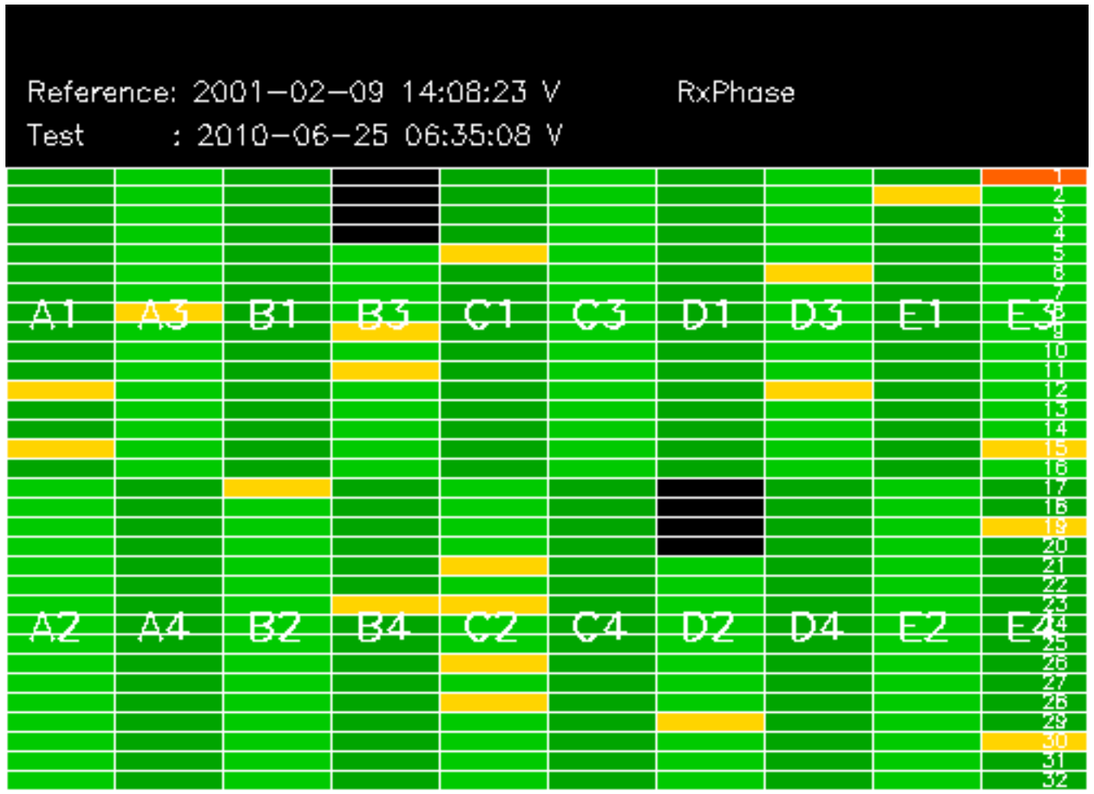

Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2010-06-24 07:06:45 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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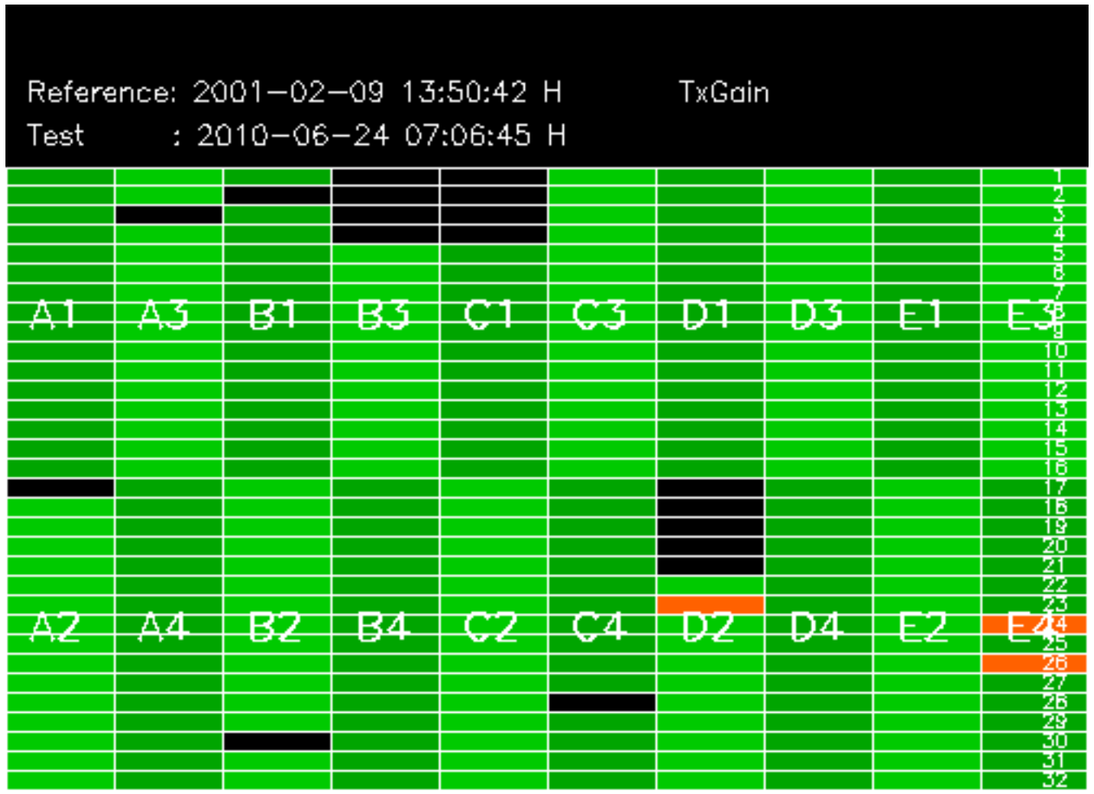
Reference: 2001-02-09 13:50:42 H
Test : 2010-06-24 07:06:45 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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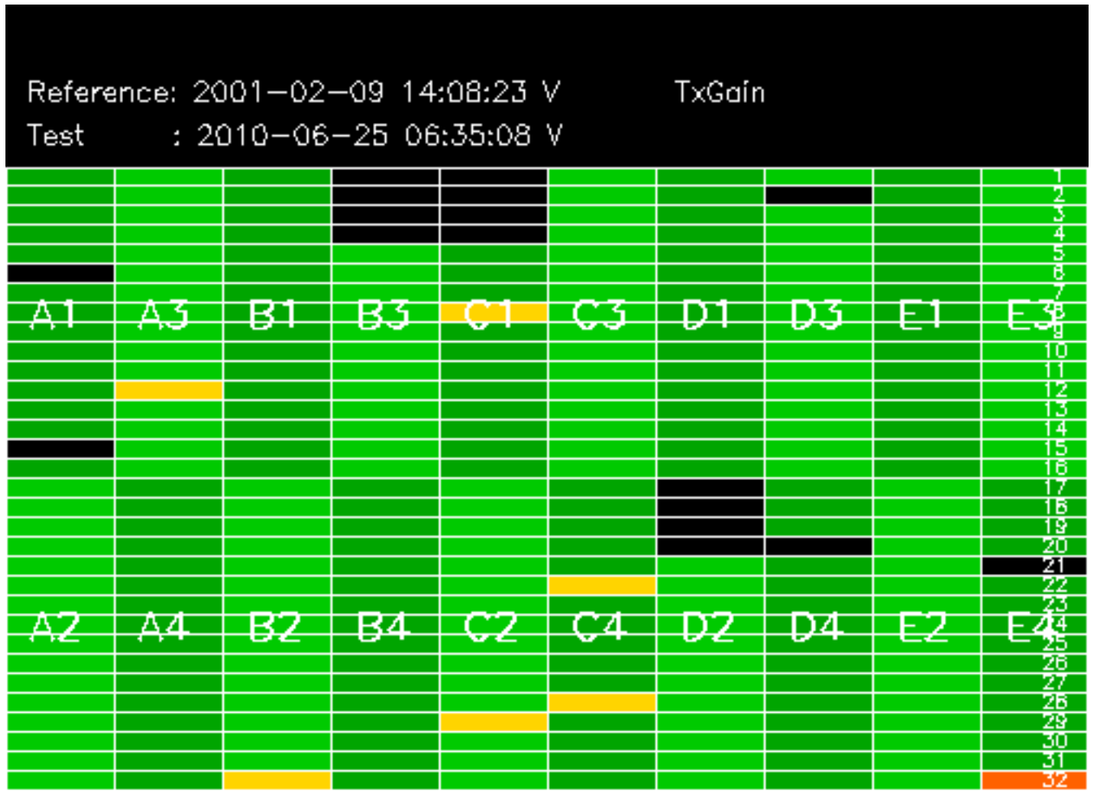
Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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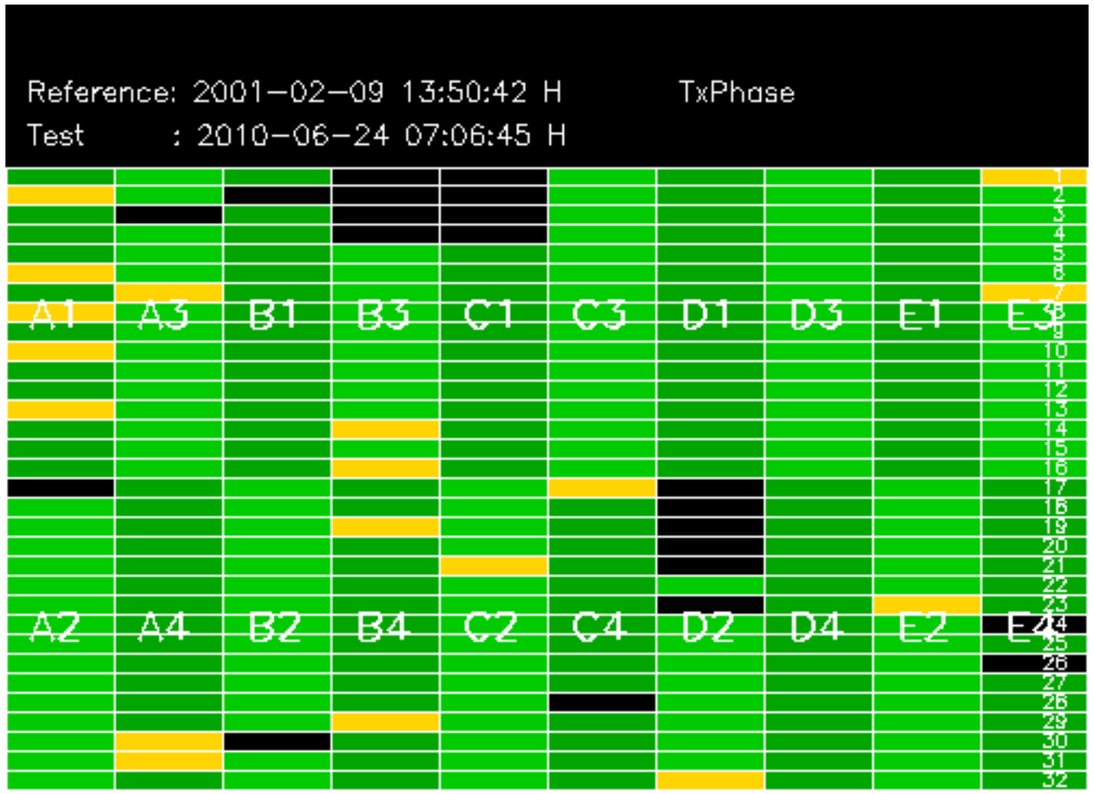
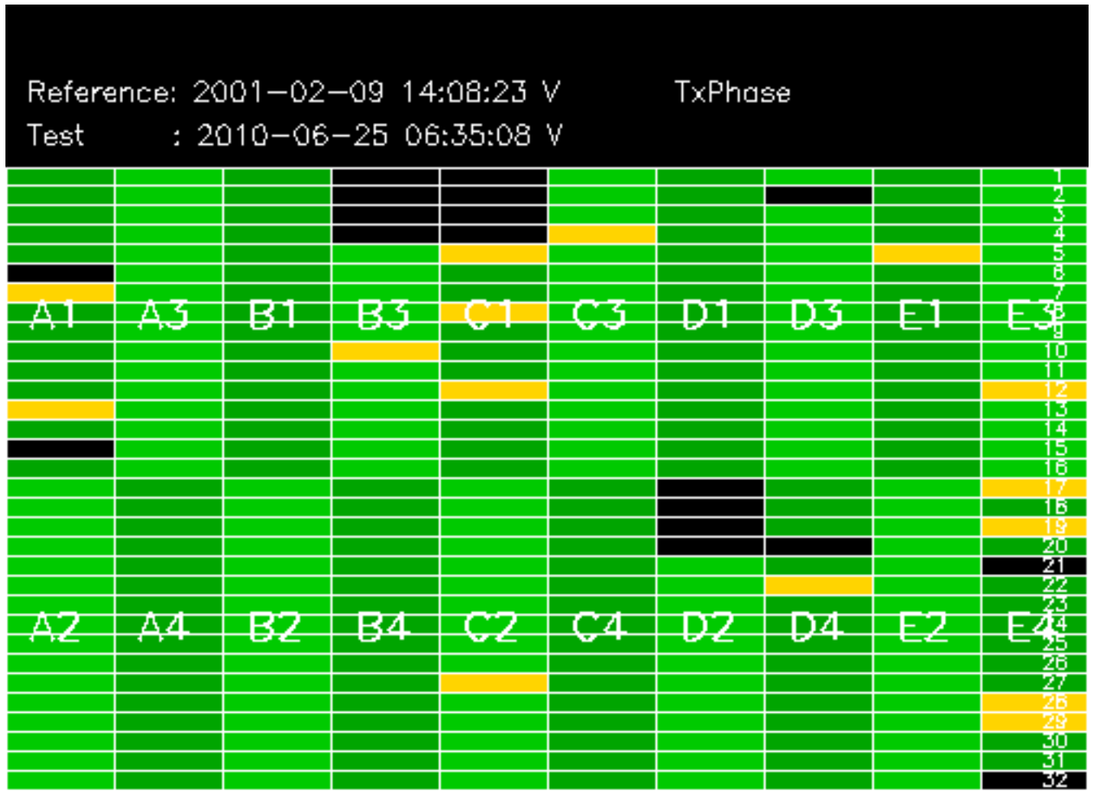

Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2010-06-24 07:06:45 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2010-06-25 06:35:08 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
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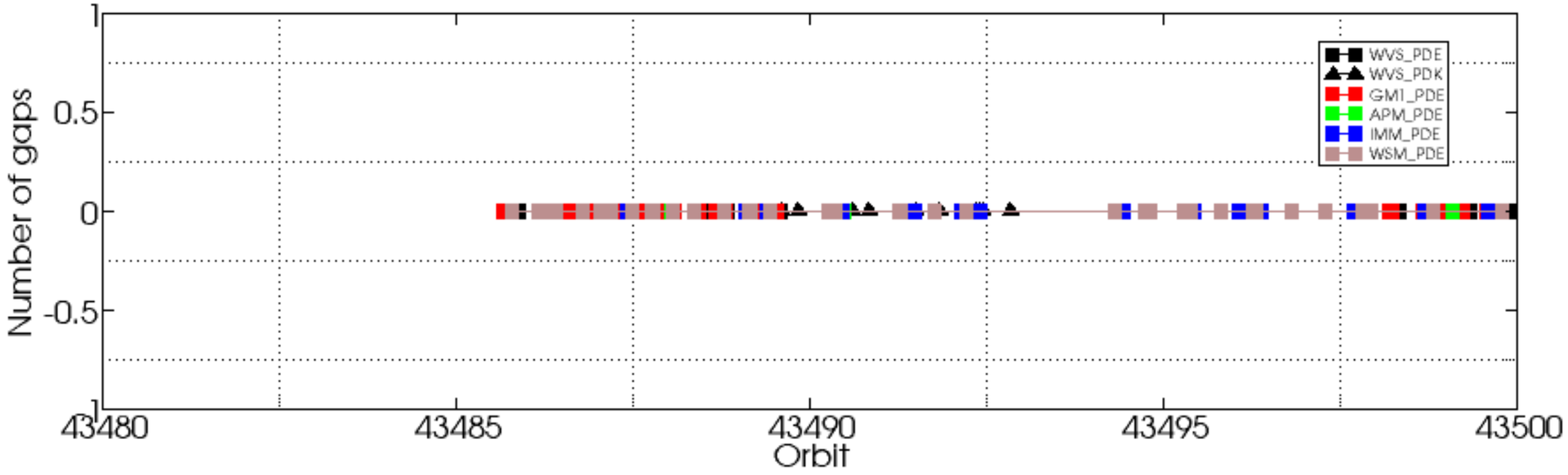
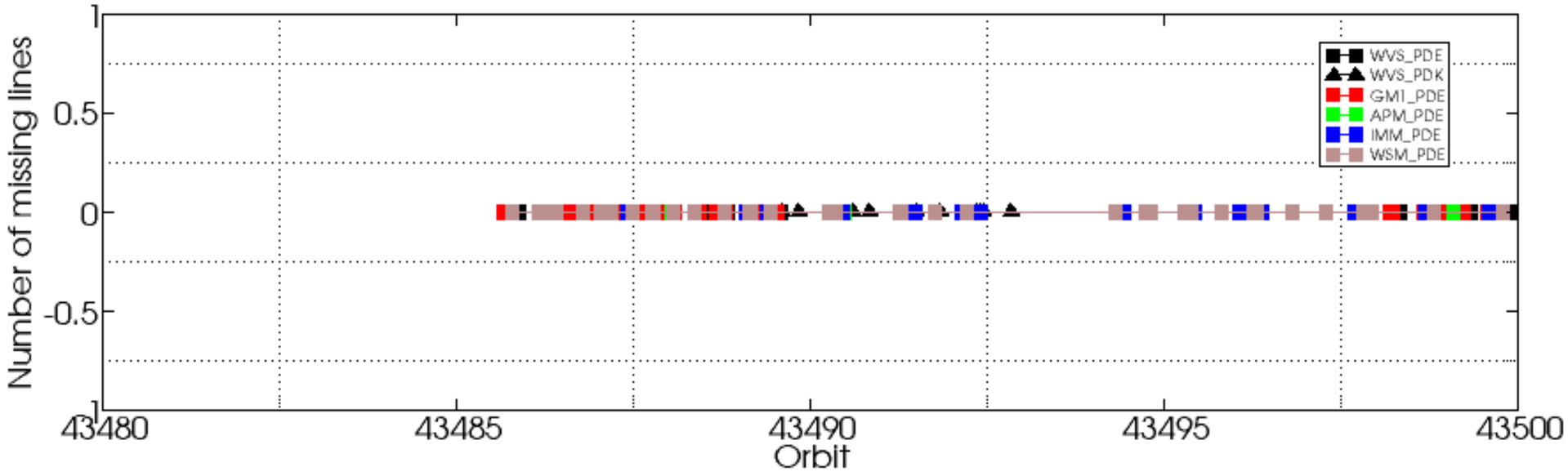

WVS_PDE
WVS_PDK
GM1_PDE
APM_PDE
IMM_PDE
WSM_PDE
Number of gaps
1
0.5
0
-0.5
-1
43480
43485
43490
43495
43500
Orbit


Number of missing lines
1
0.5
0
-0.5
-1
43480
43485
43490
43495
43500
Orbit
WVS_PDE
WVS_PDK
GM1_PDE
APM_PDE
IMM_PDE
WSM_PDE