



Analysis from 30-JAN-2011 00:00:00 to 30-JAN-2011 23:59:59. Page generated on 01-FEB-2011 09:29:01.
View log file: ASAR_Daily_Report_20110201_0928.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	IS1	V/V	3	PDE	WS	H/H	29	PDE	IS1	H/H	2	PDE	IS1	V/V	1	PDE	WS	H/H	22	PDE	2011-01-30 21:43:42	V	320
PDE	IS2	V/V	32	PDK	WS	H/H	29	PDE	IS4	V/H	1	PDE	IS2	V/V	1	PDK	WS	H/H	13	PDK	2011-01-30 20:03:28	H	320
PDK	IS2	V/V	22									PDE	IS6	H/H	10	PDK	WS	V/V	2				

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

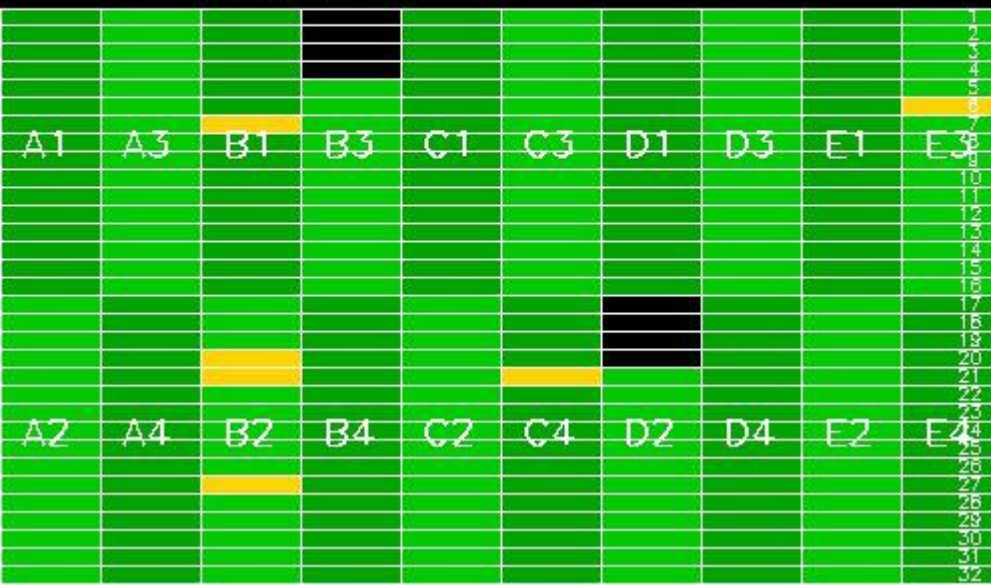
2.2 - Products with wrong ADFs

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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 : 2011-01-30 21:43:42 V



Reference: 2011-01-29 22:20:26 V RxGain
 Test : 2011-01-30 21:43:42 V

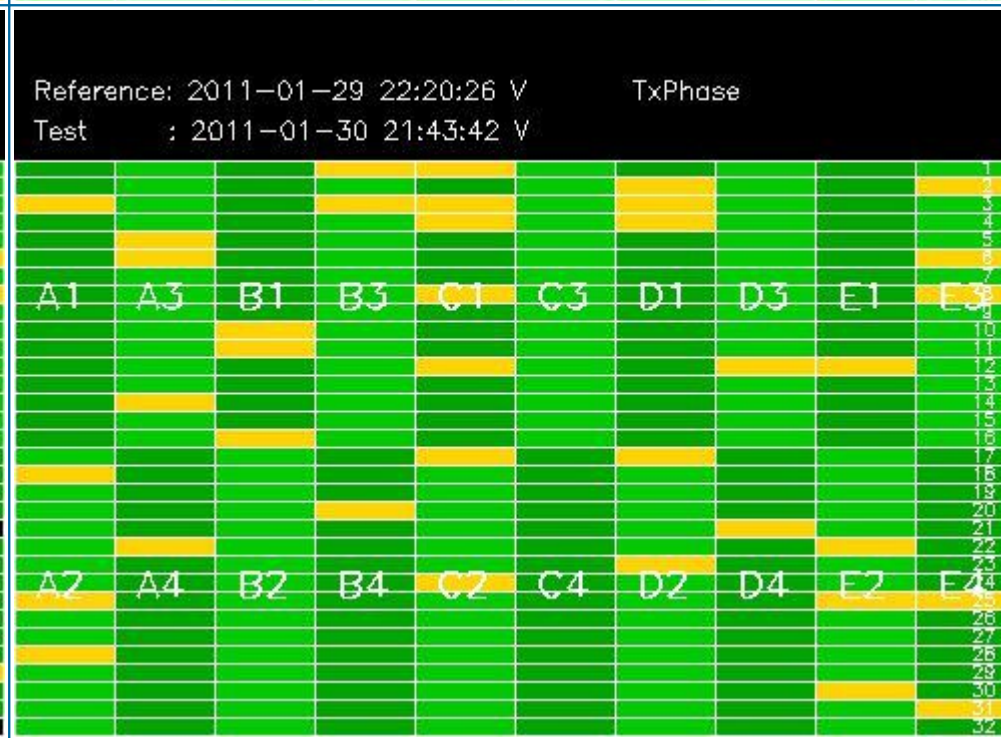
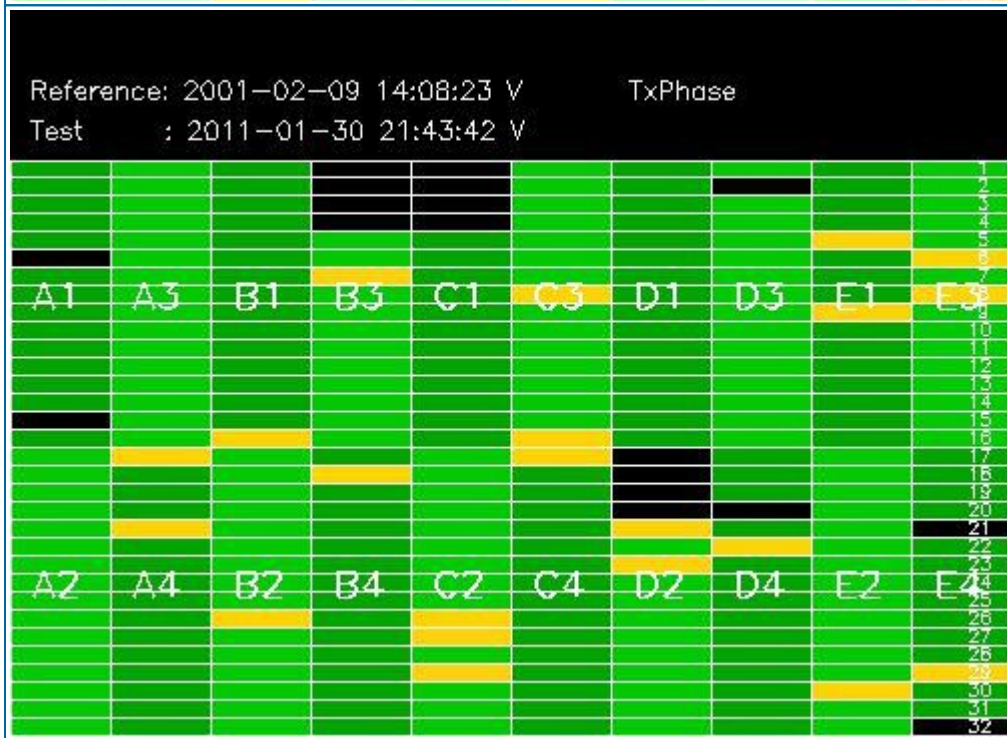
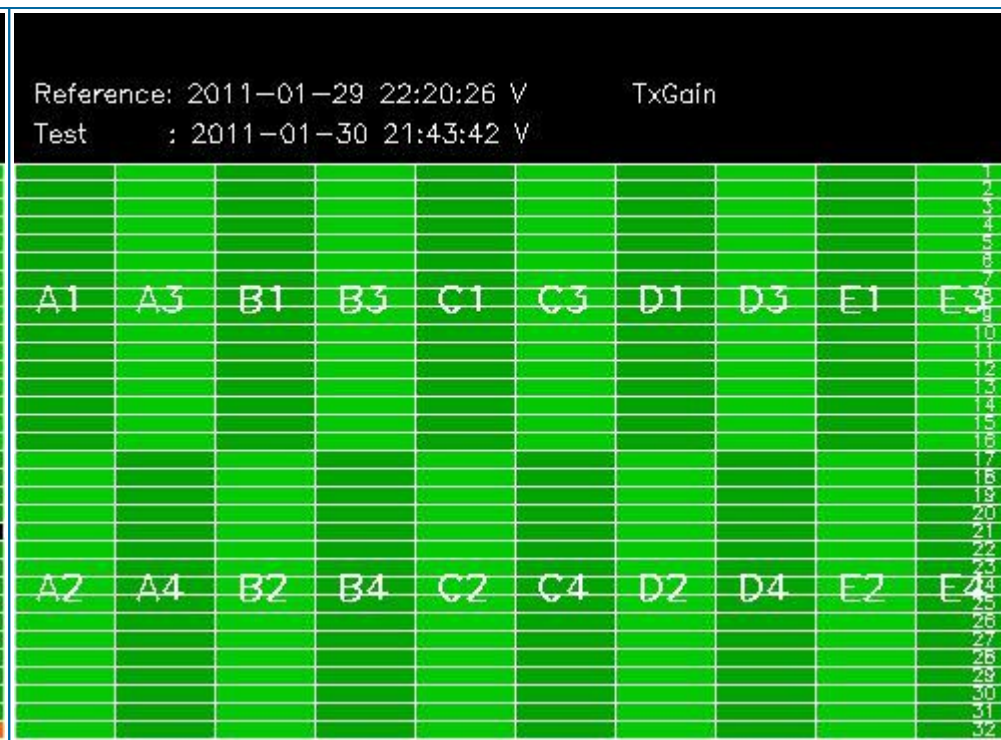
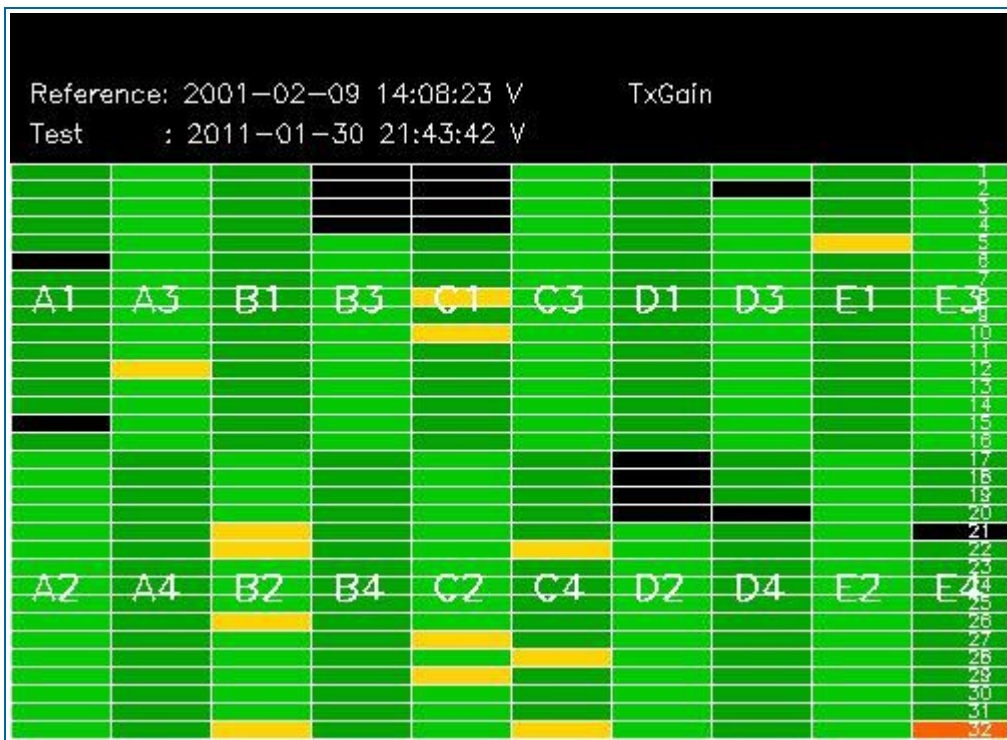


Reference: 2001-02-09 14:08:23 V RxPhase
 Test : 2011-01-30 21:43:42 V



Reference: 2011-01-29 22:20:26 V RxPhase
 Test : 2011-01-30 21:43:42 V

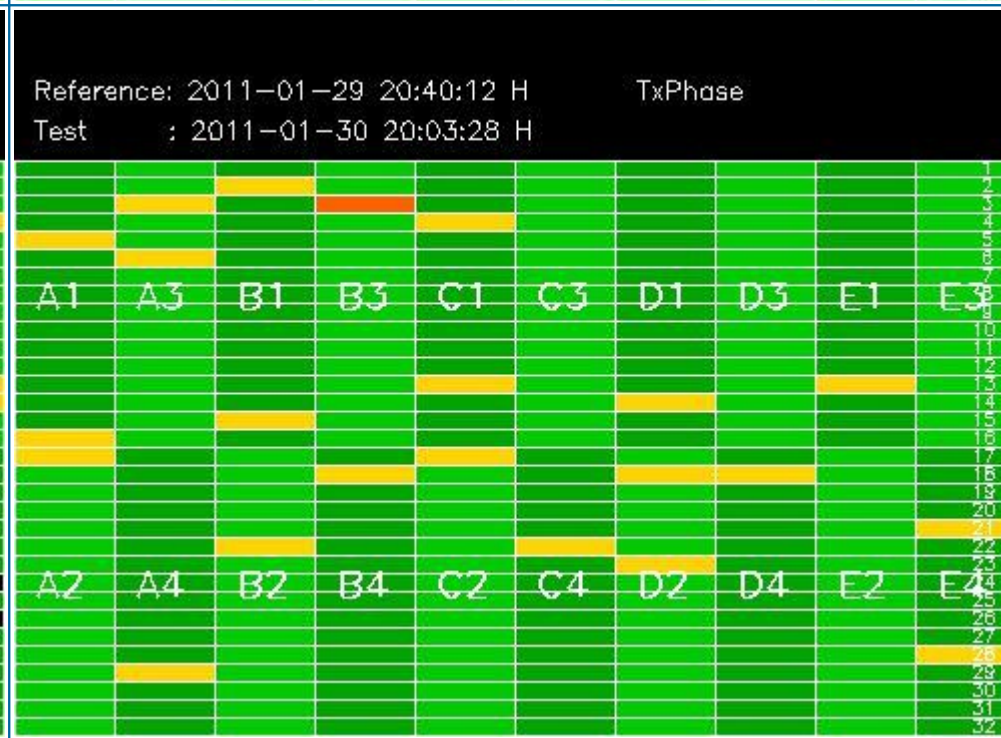
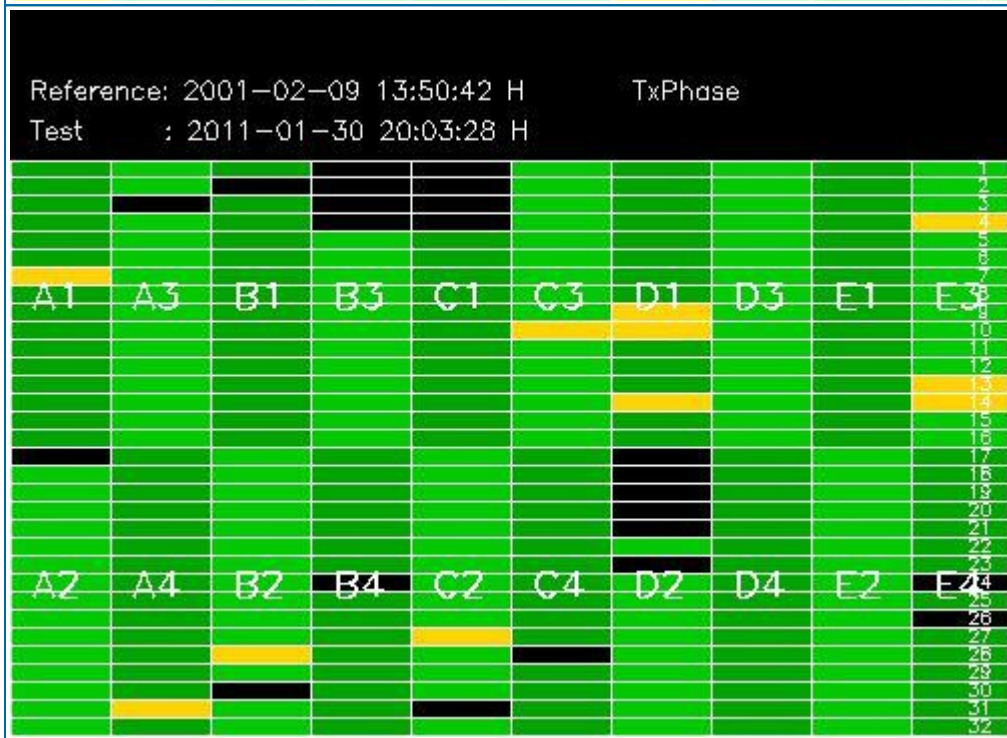
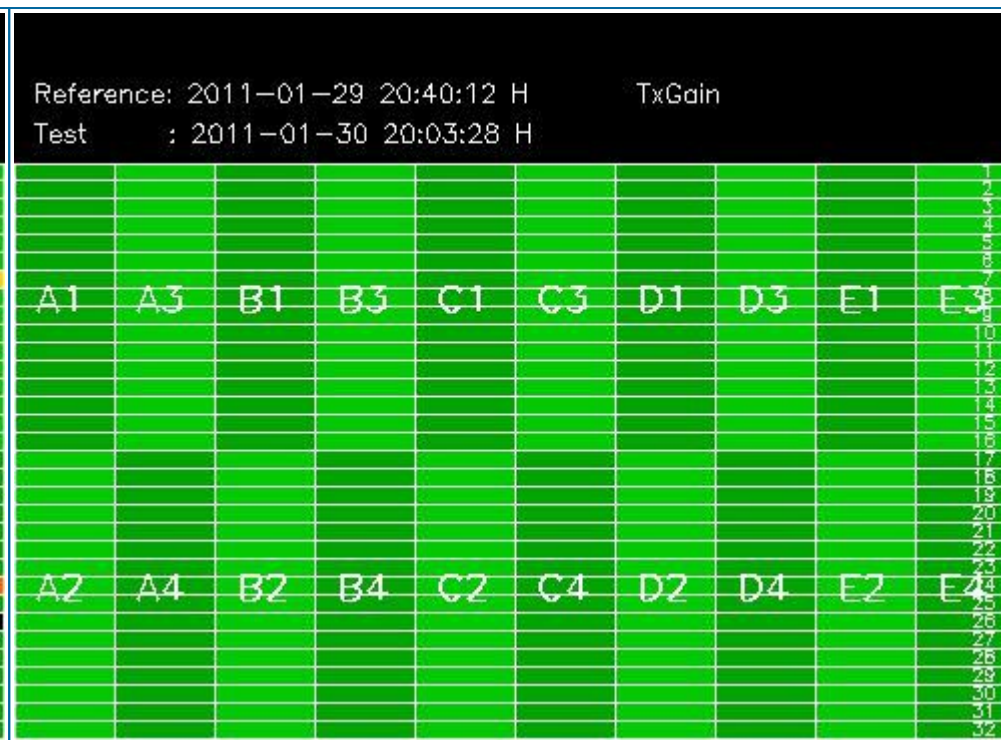
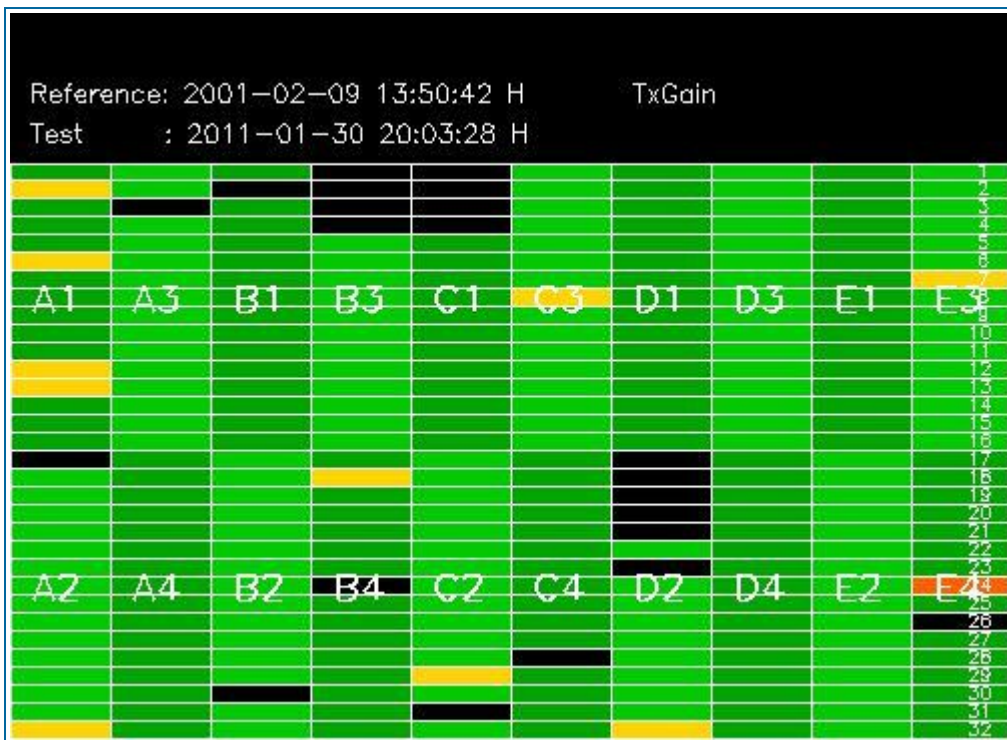




3.2 - H/H polarisation

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



4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

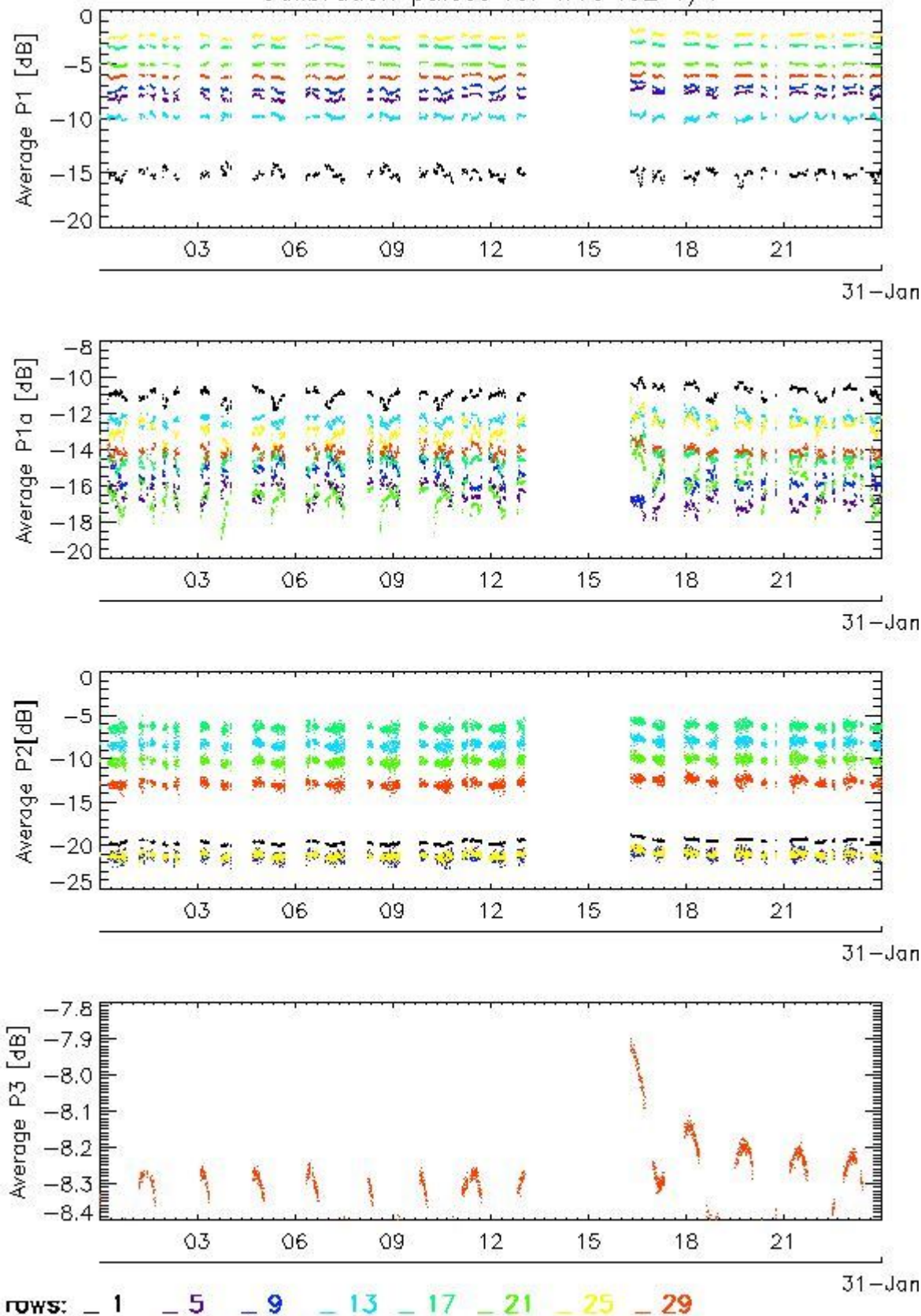
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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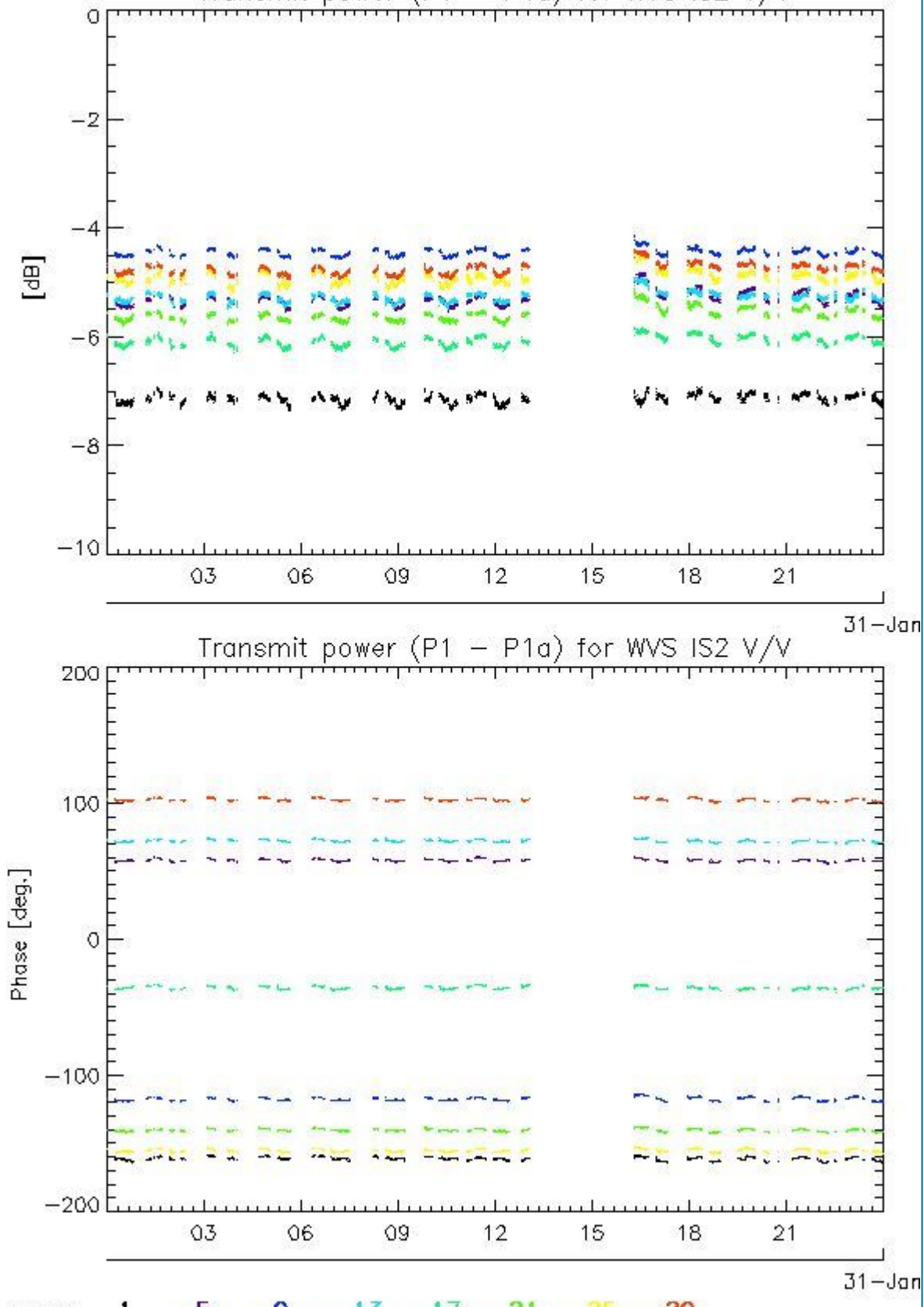
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



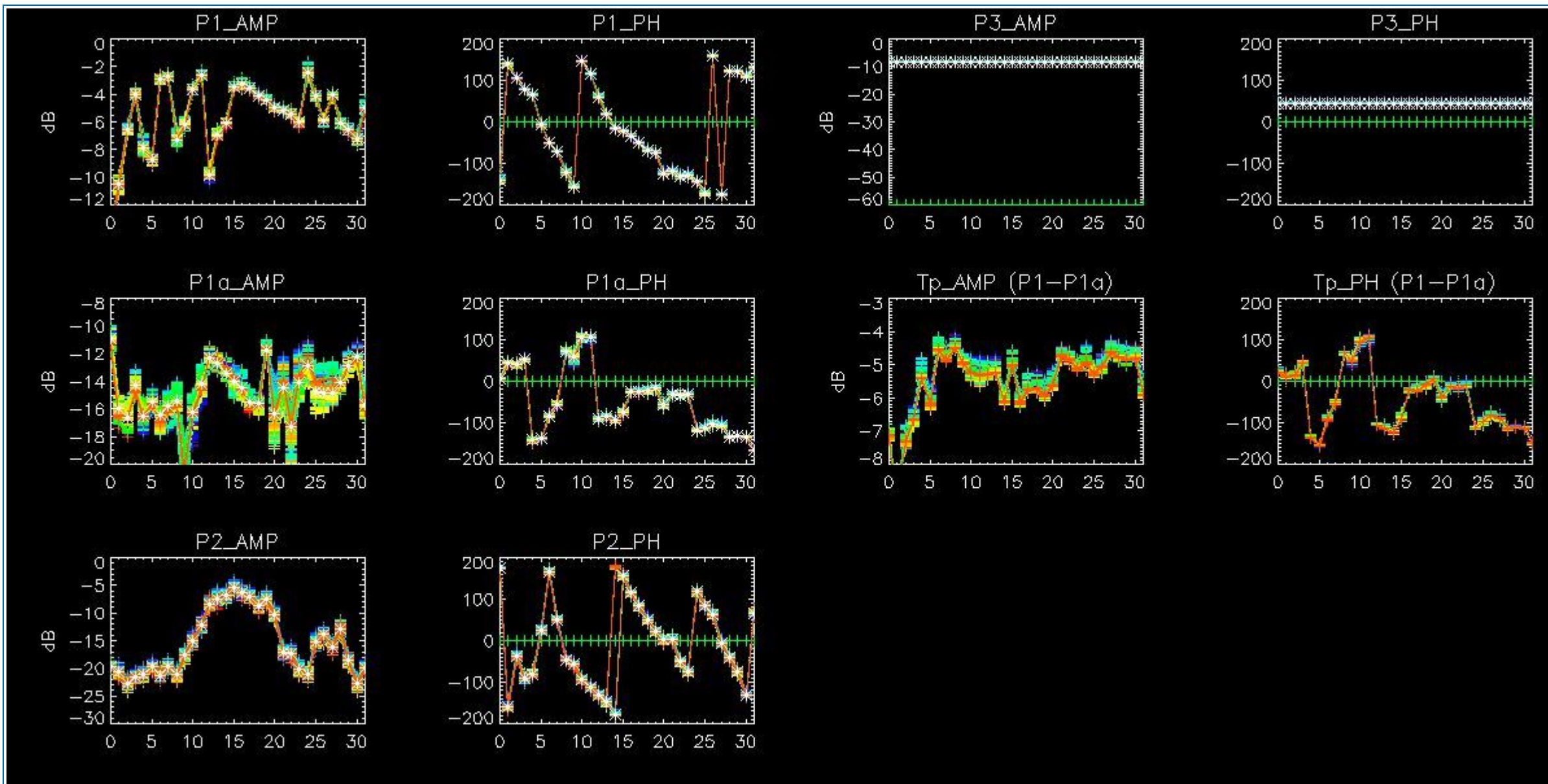
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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4.2 - Analysis for GM1 SS3 H/H

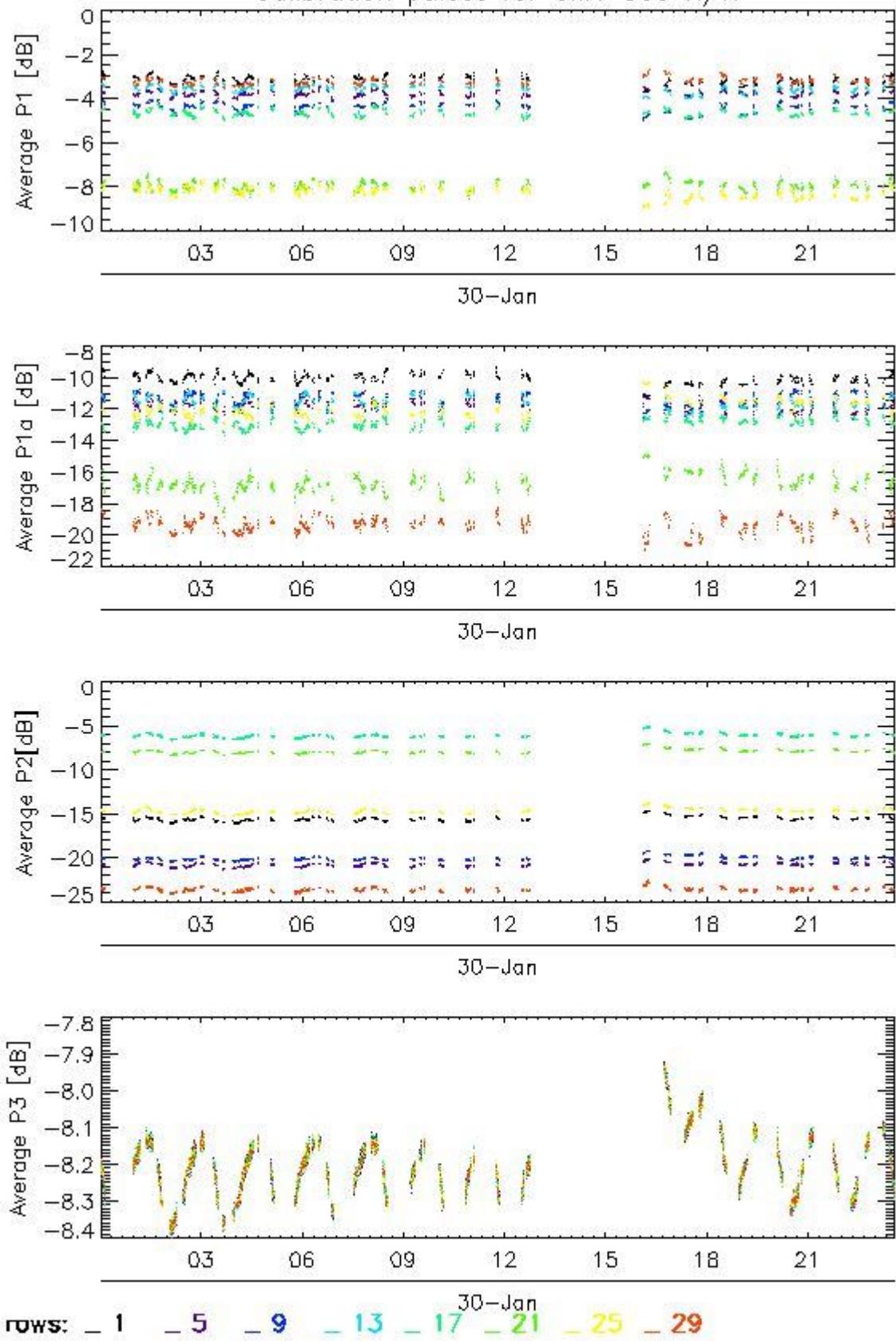
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

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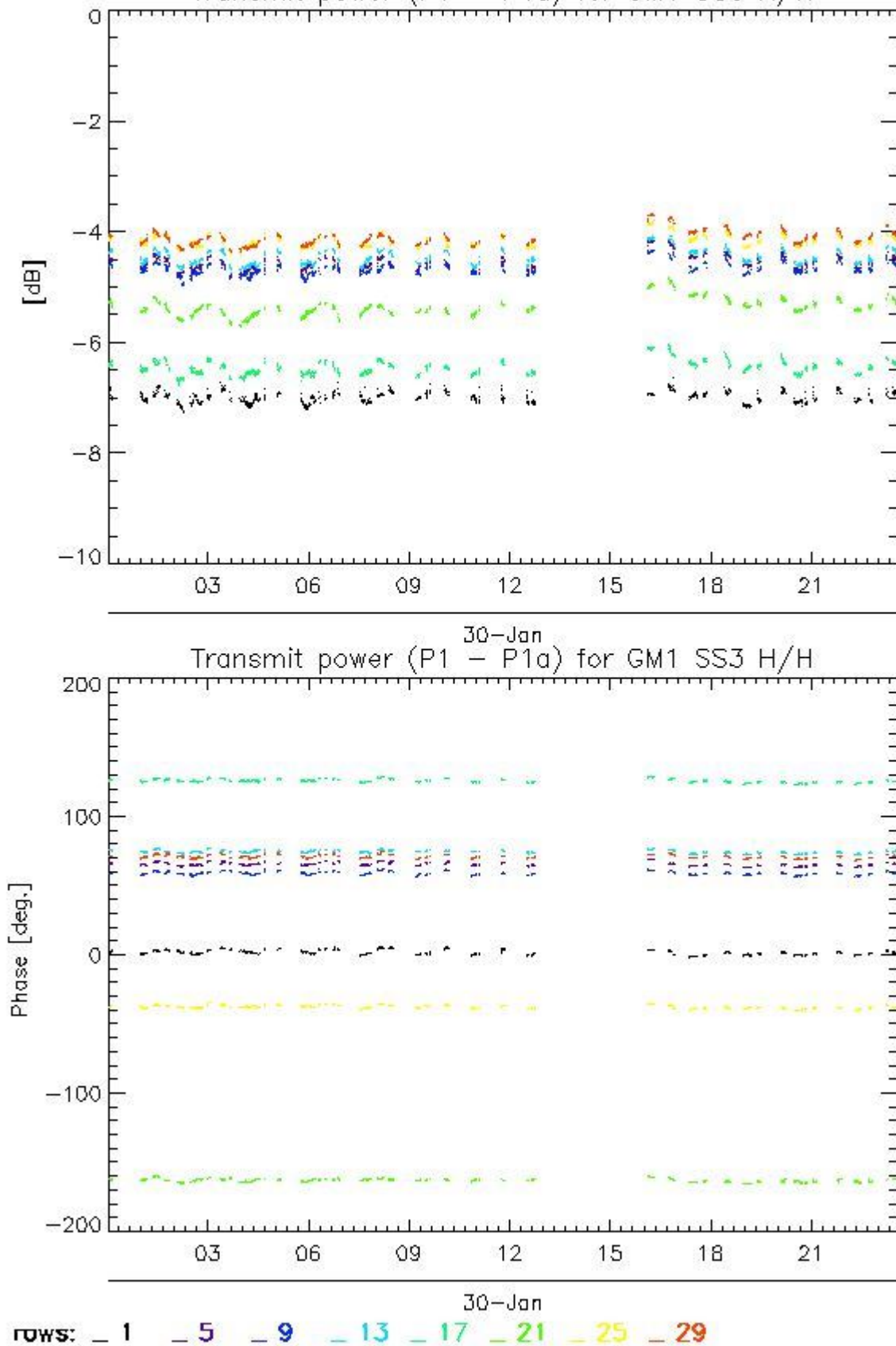
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for GM1 SS3 H/H



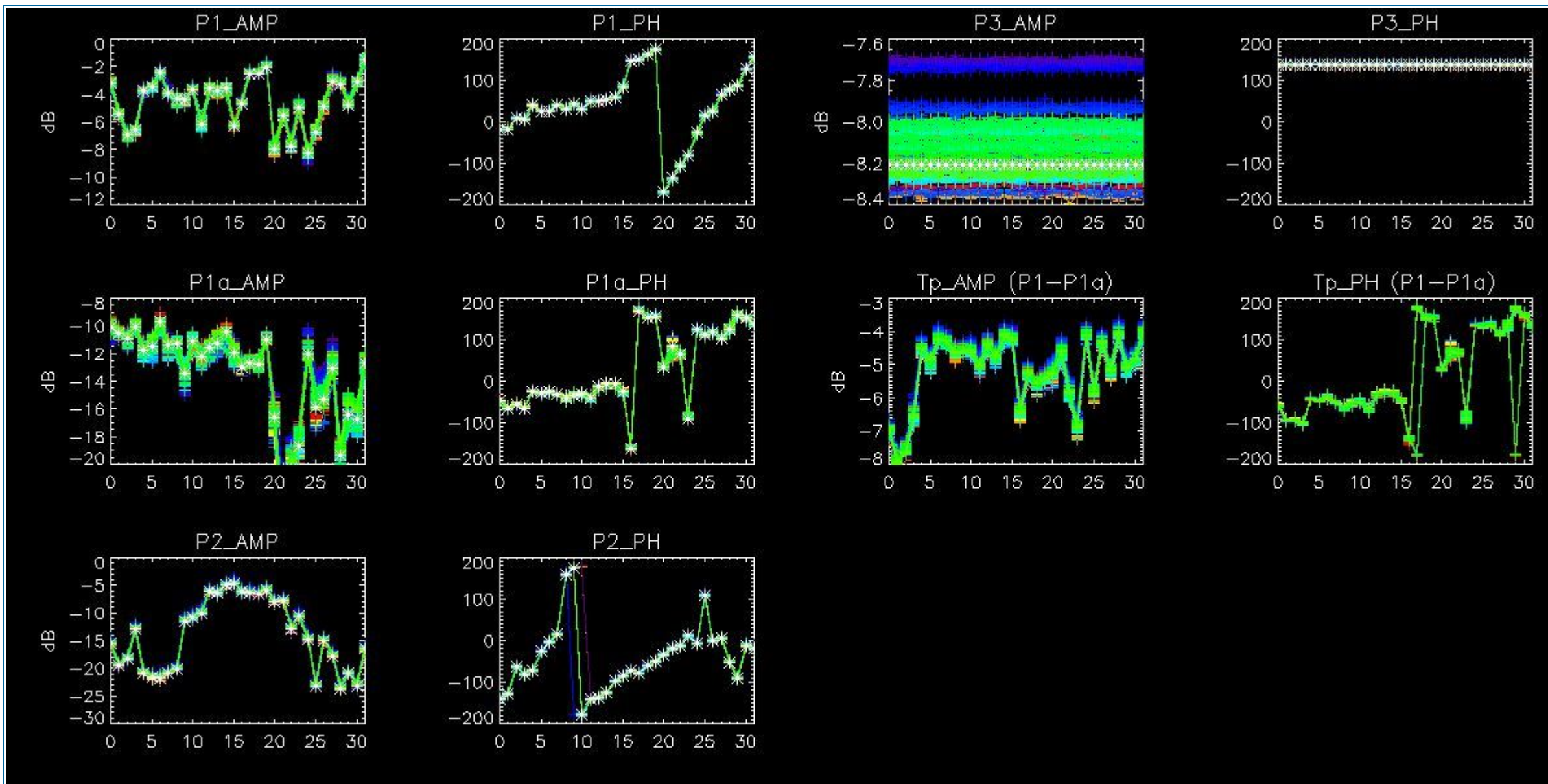
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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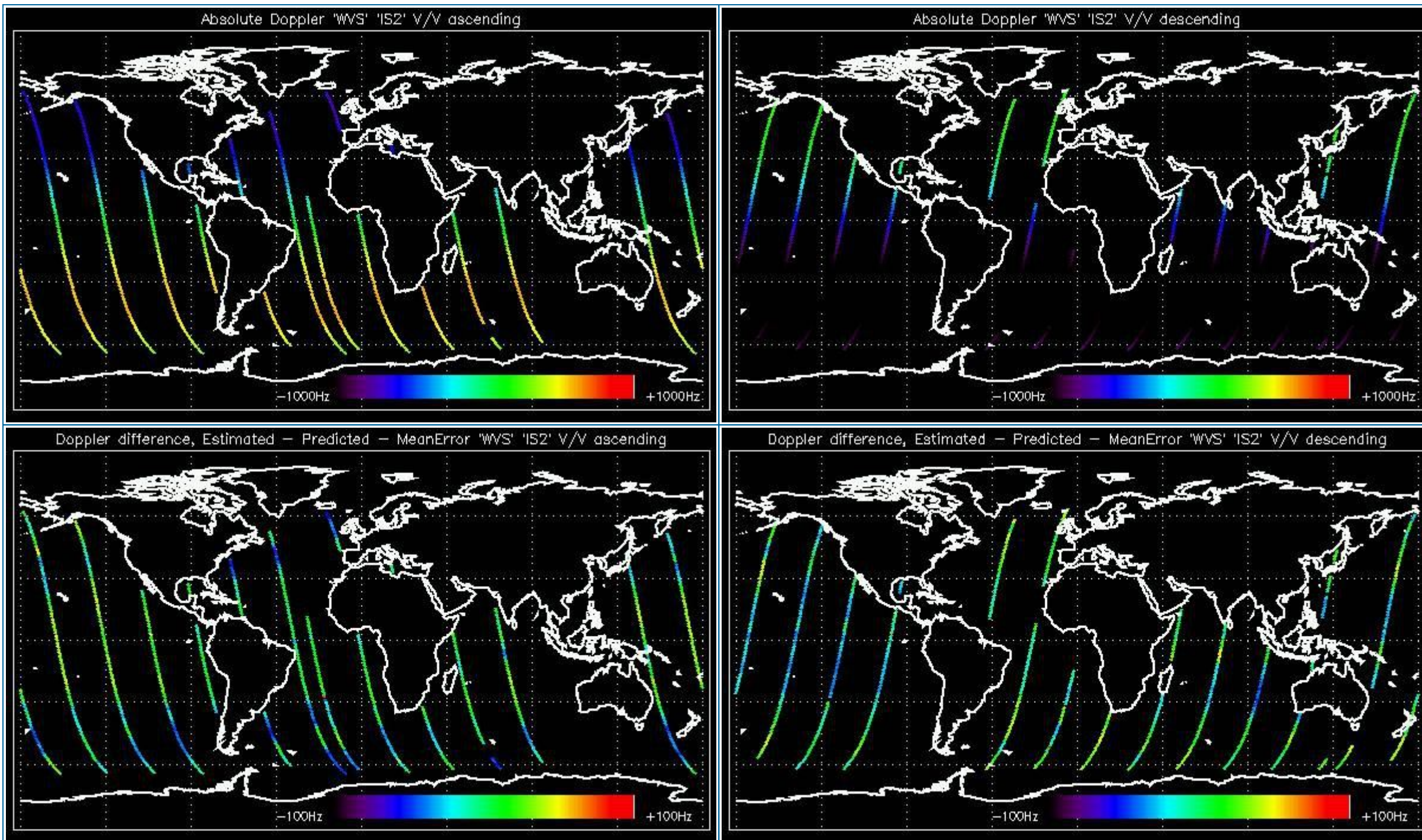
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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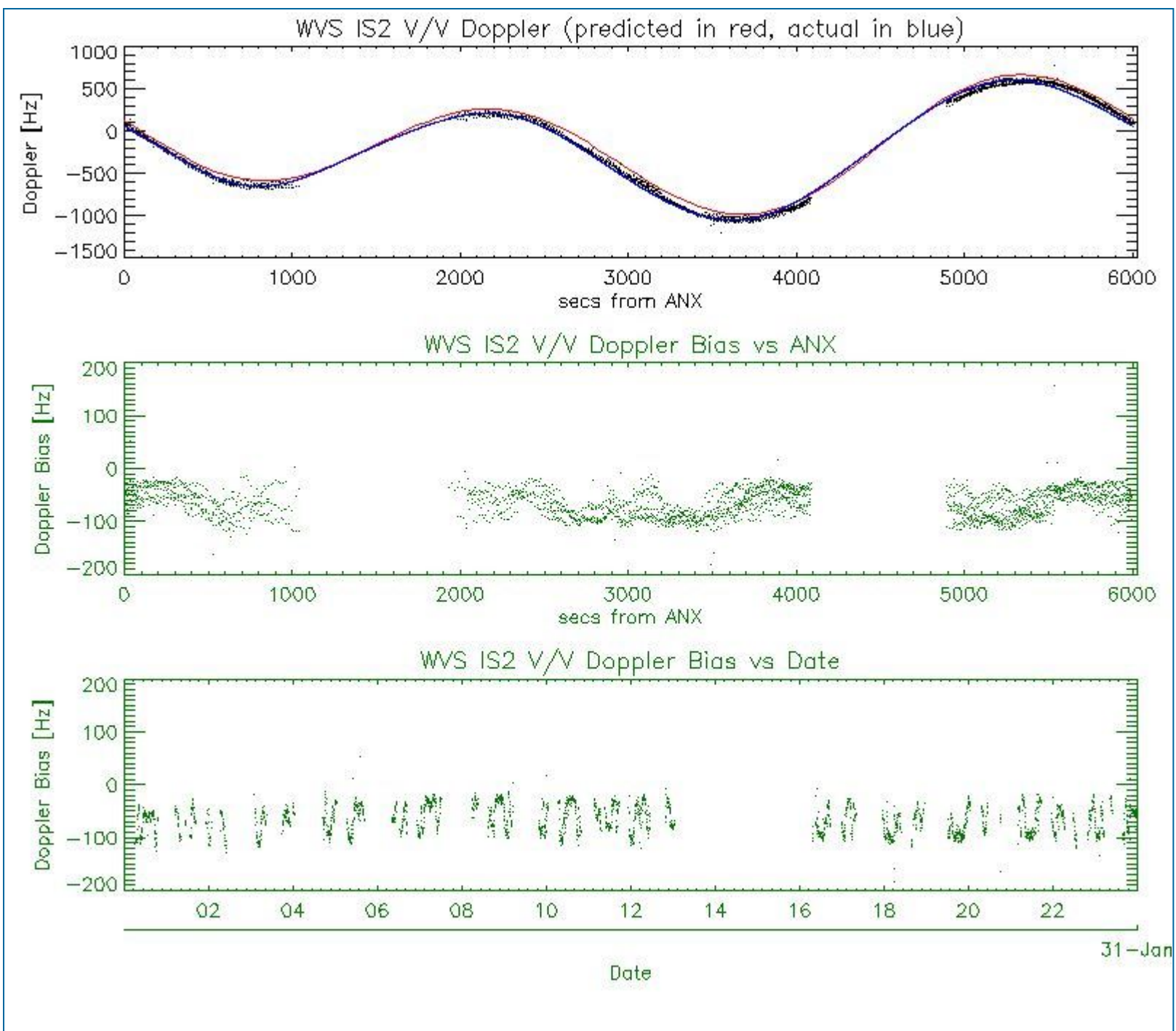




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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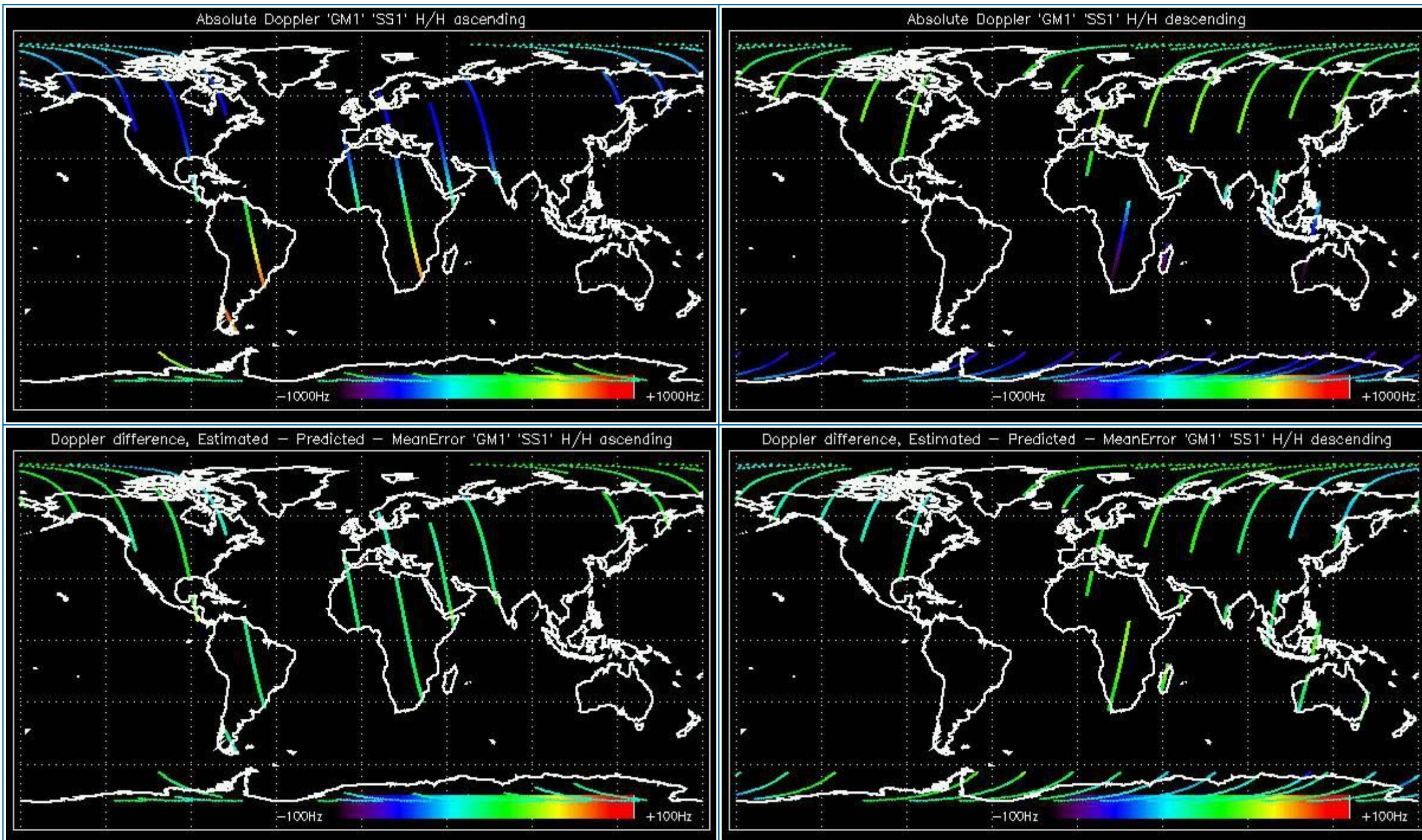


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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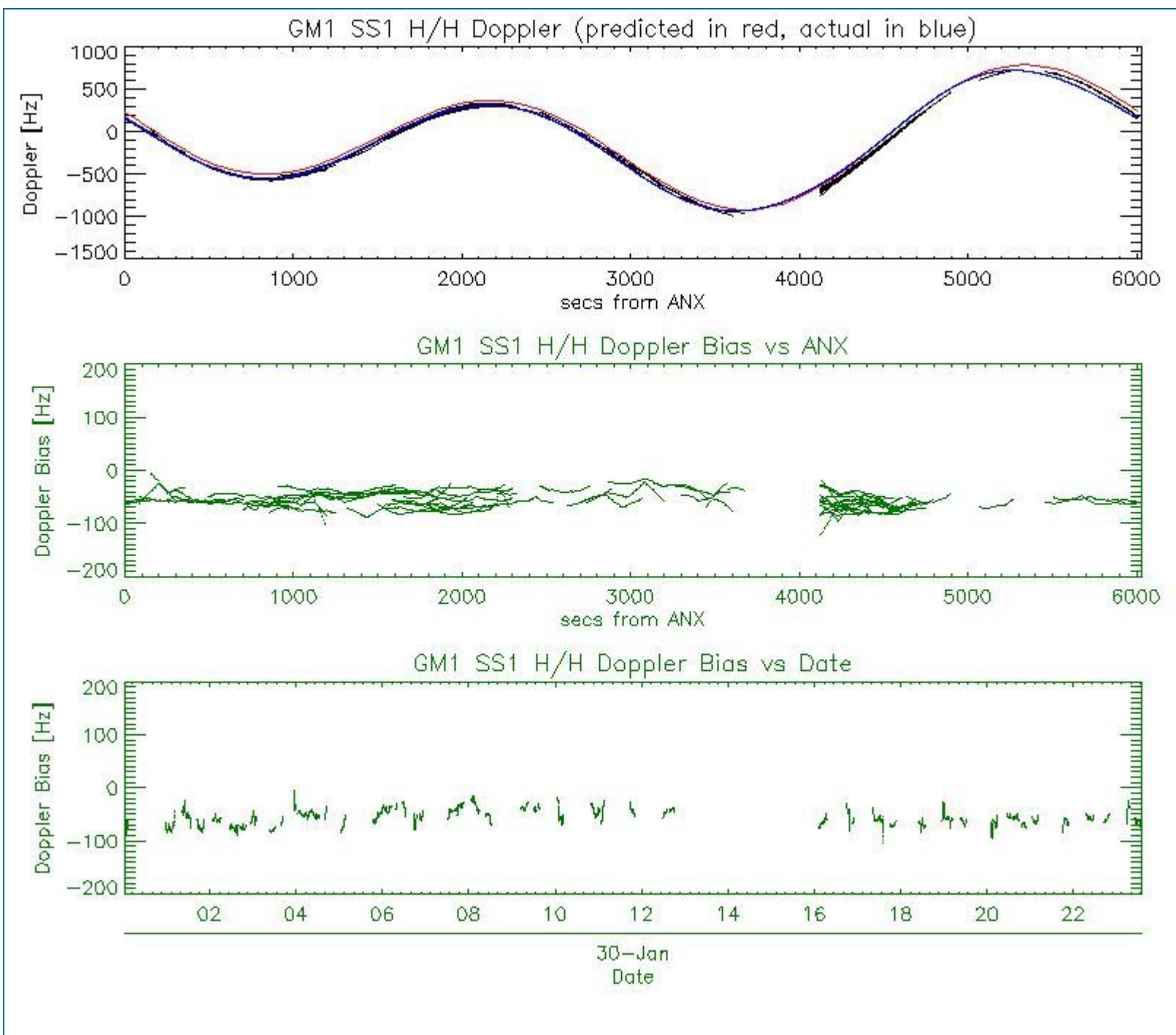




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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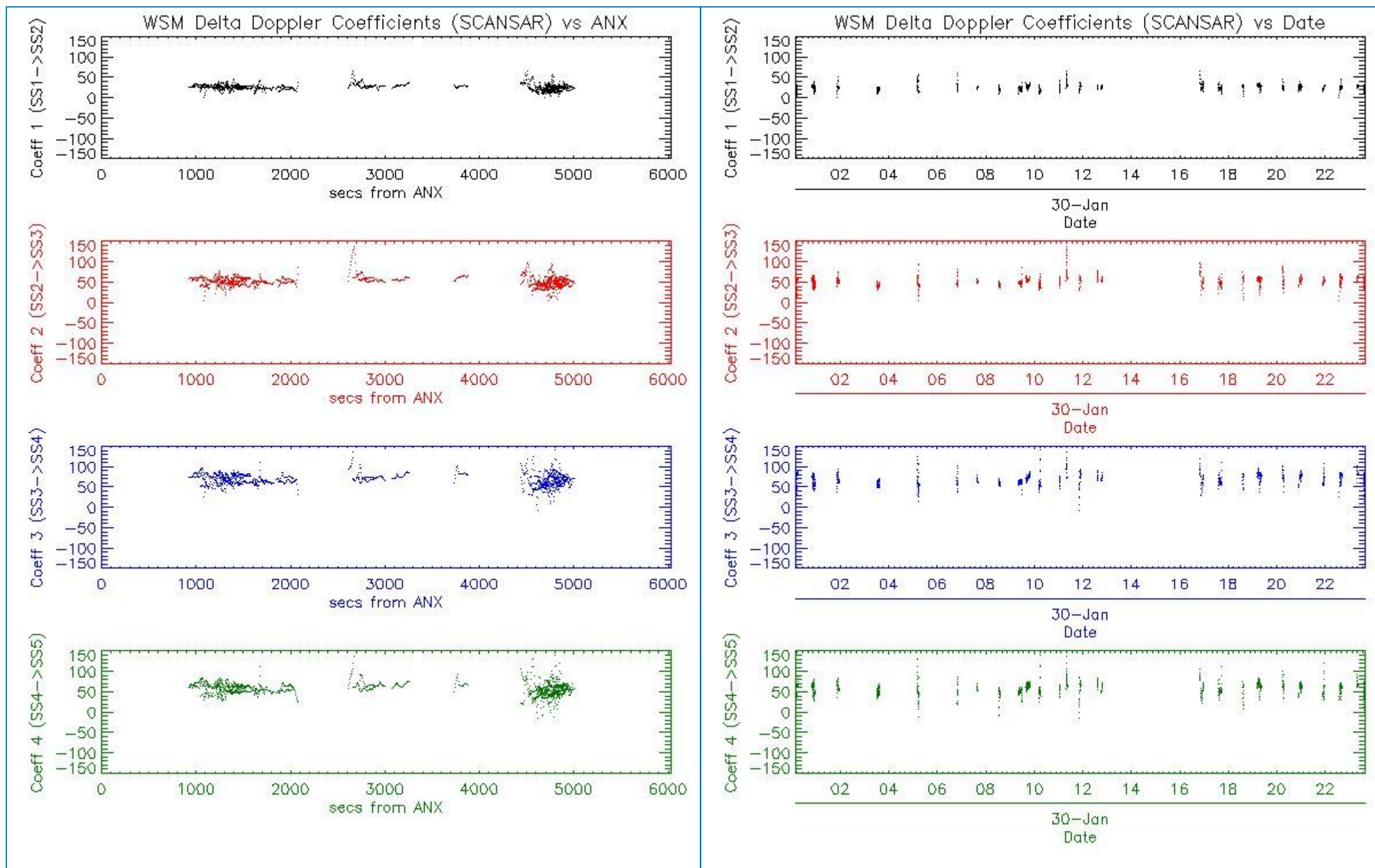




5.3 - Doppler JUMPS Analysis for WSM

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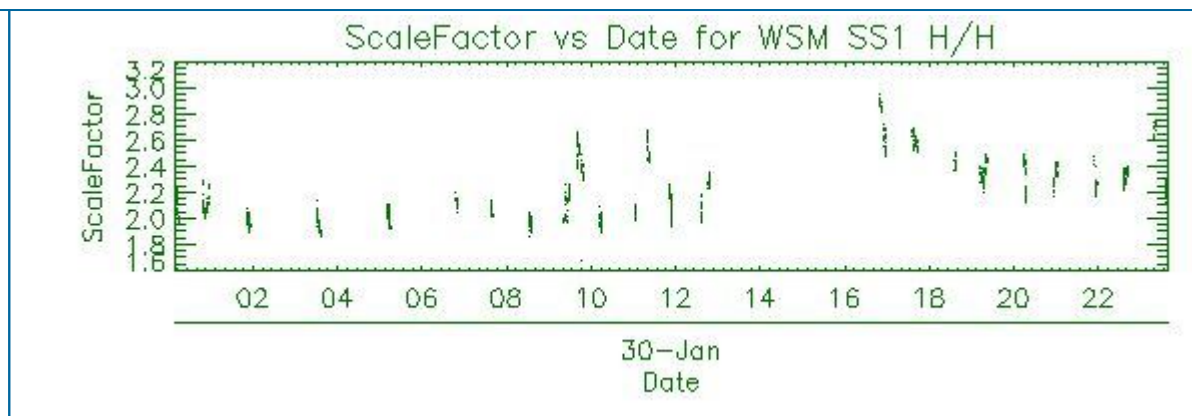
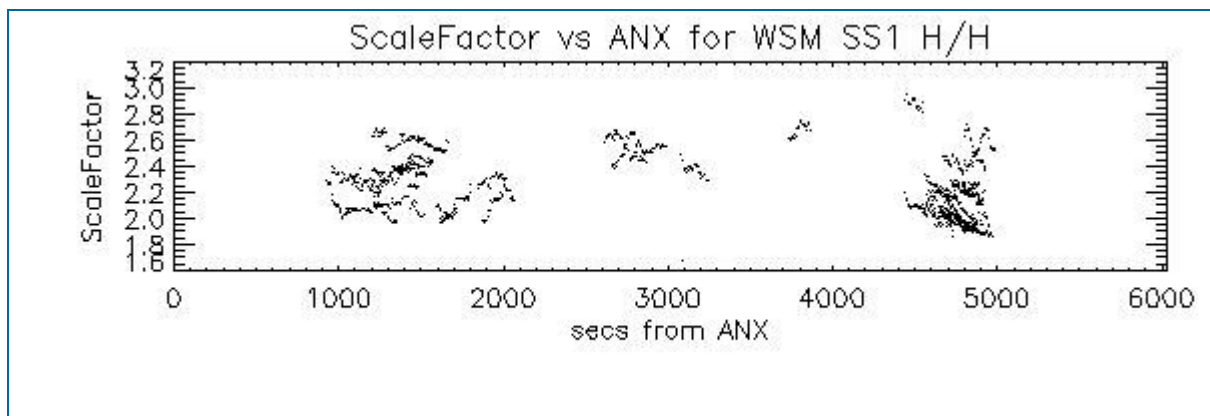
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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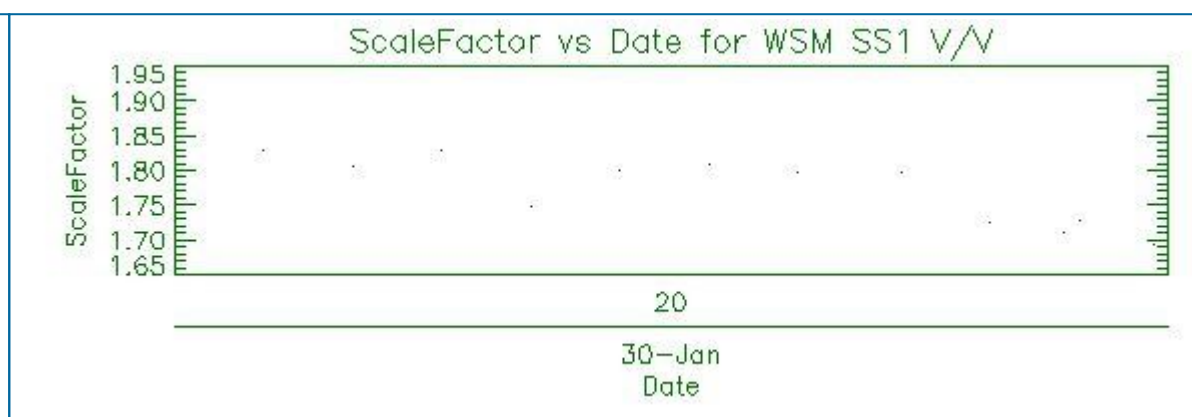
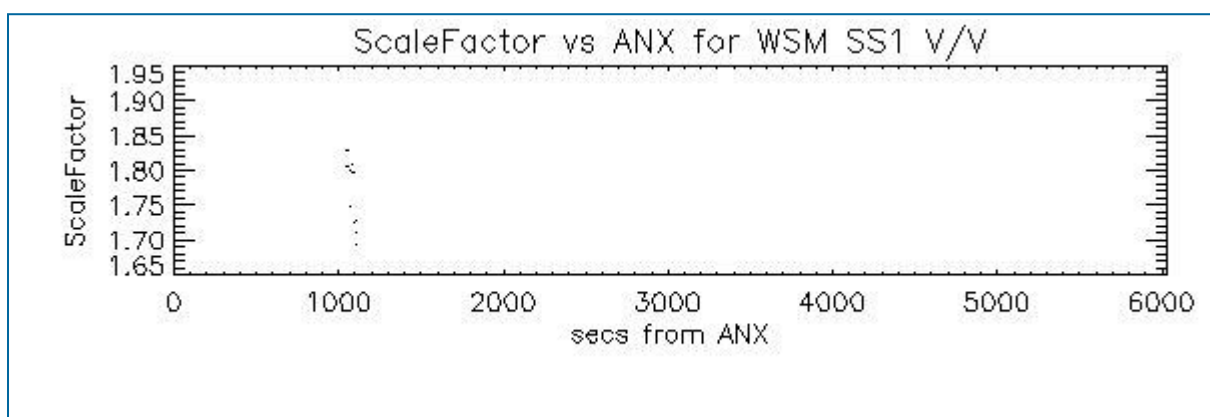




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

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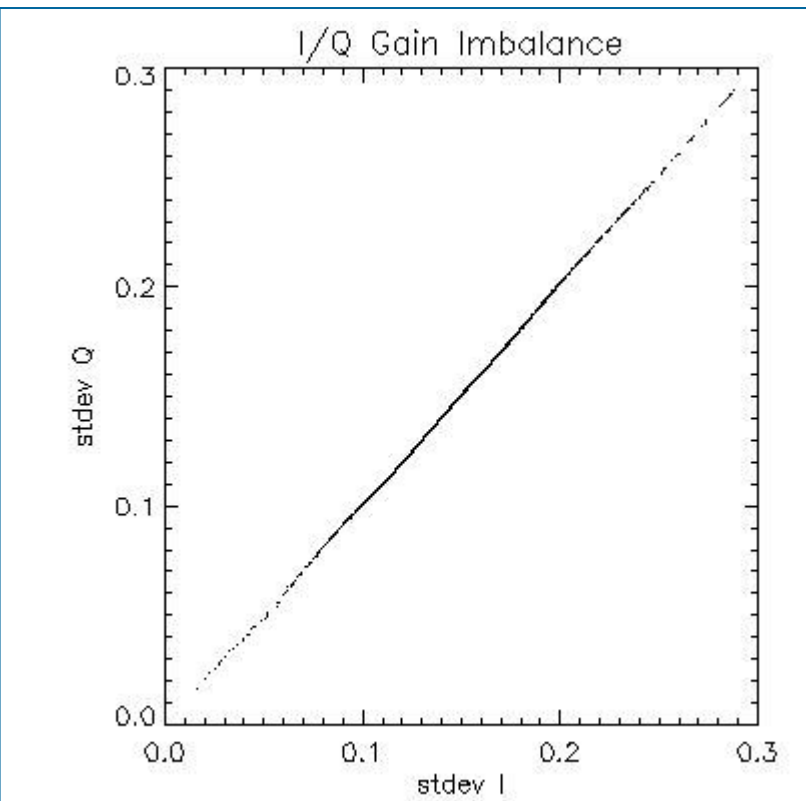
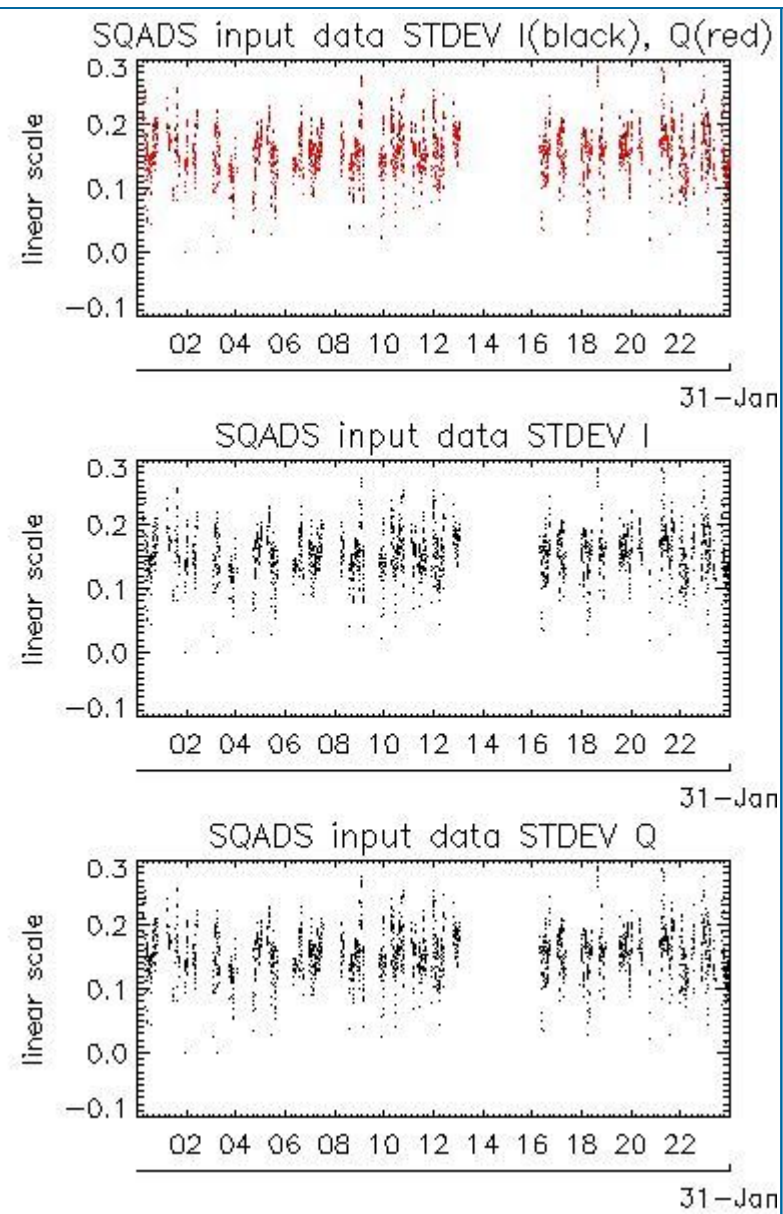
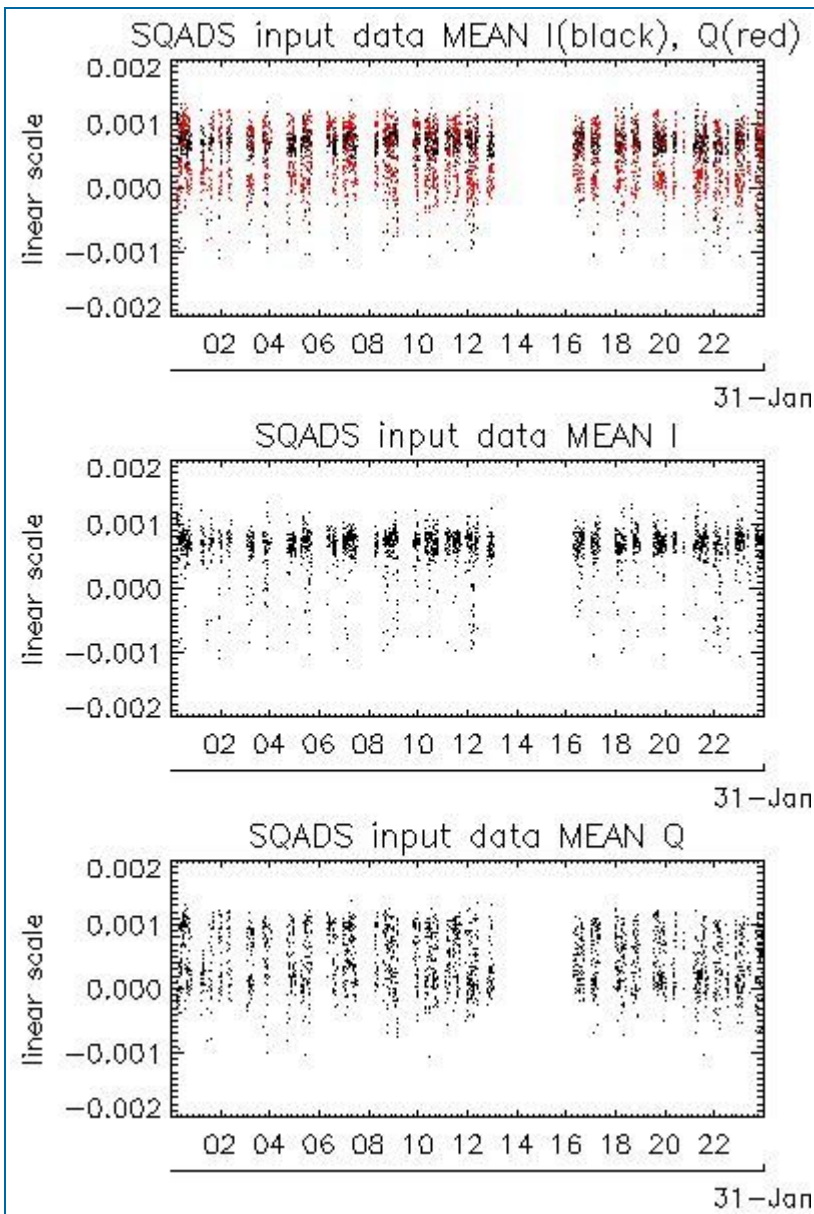


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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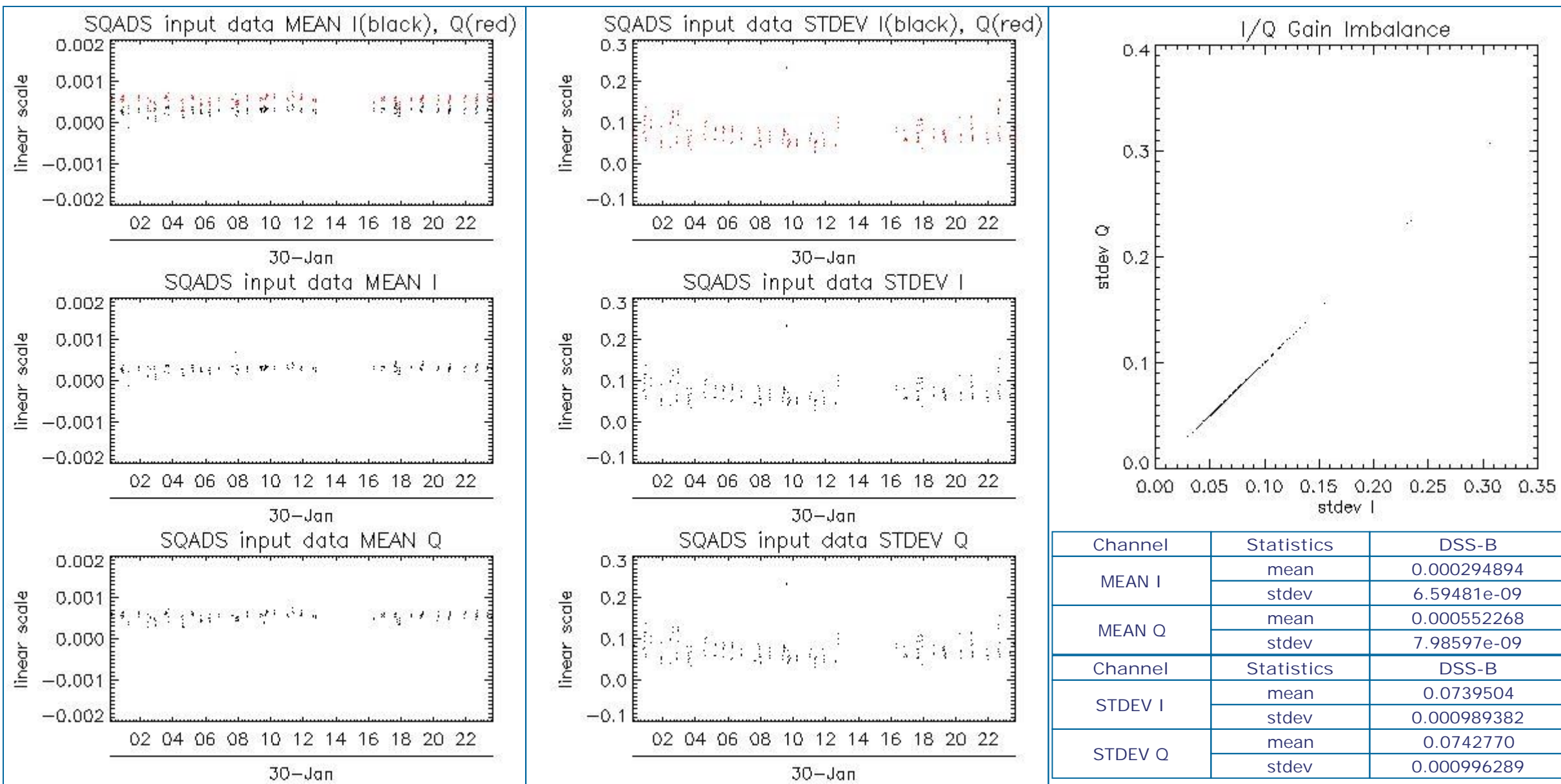


Channel	Statistics	DSS-B
MEAN I	mean	0.000632988
	stdev	1.19639e-07
MEAN Q	mean	0.000437048
	stdev	2.00268e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.156322
	stdev	0.00143327
STDEV Q	mean	0.156961
	stdev	0.00146345

7.2 - Analysis for IMM

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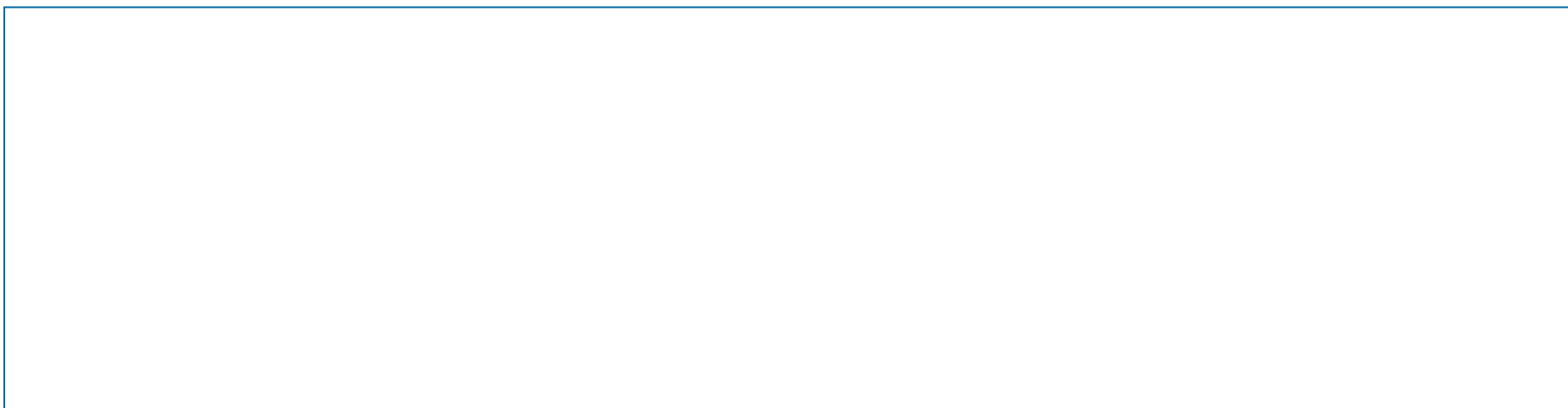


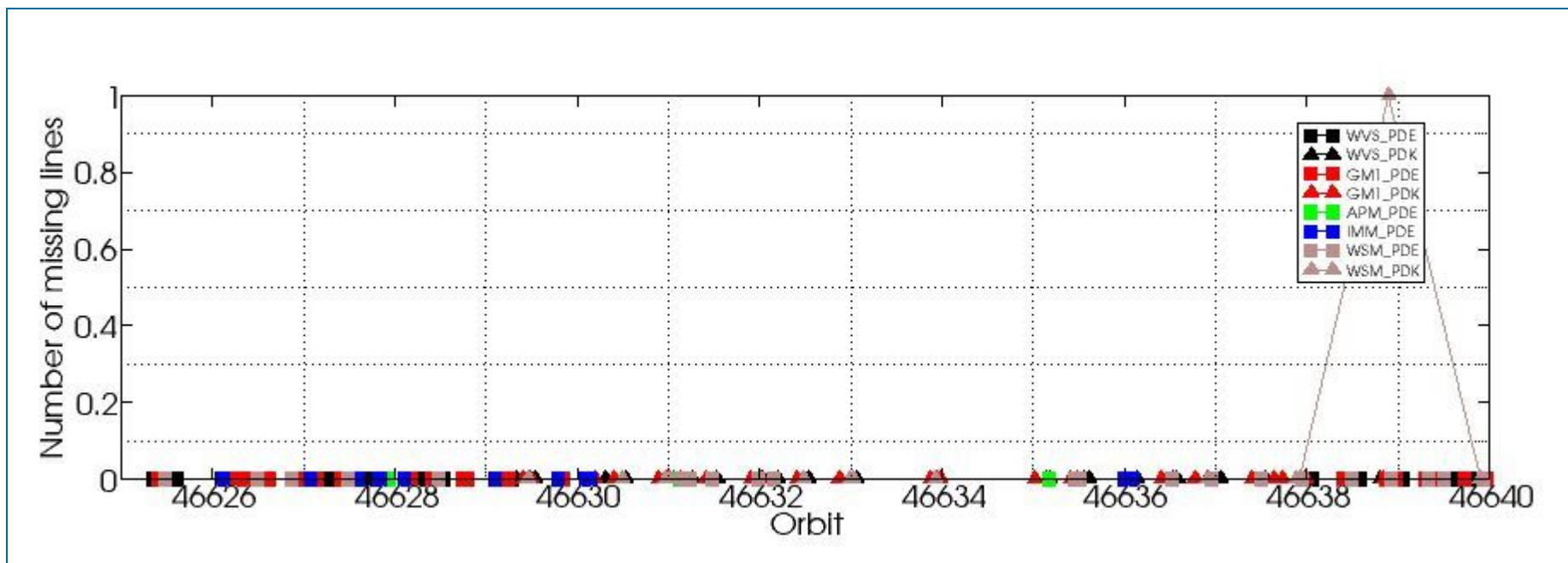
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDK	ASA_WSM_1PNPDK20110130_205349_000000923099_00072_46638_4698.N1	0	1
PDK	ASA_WSM_1PNPDK20110130_205349_000000923099_00072_46638_4700.N1	0	1

8.1 - Number of Missing lines

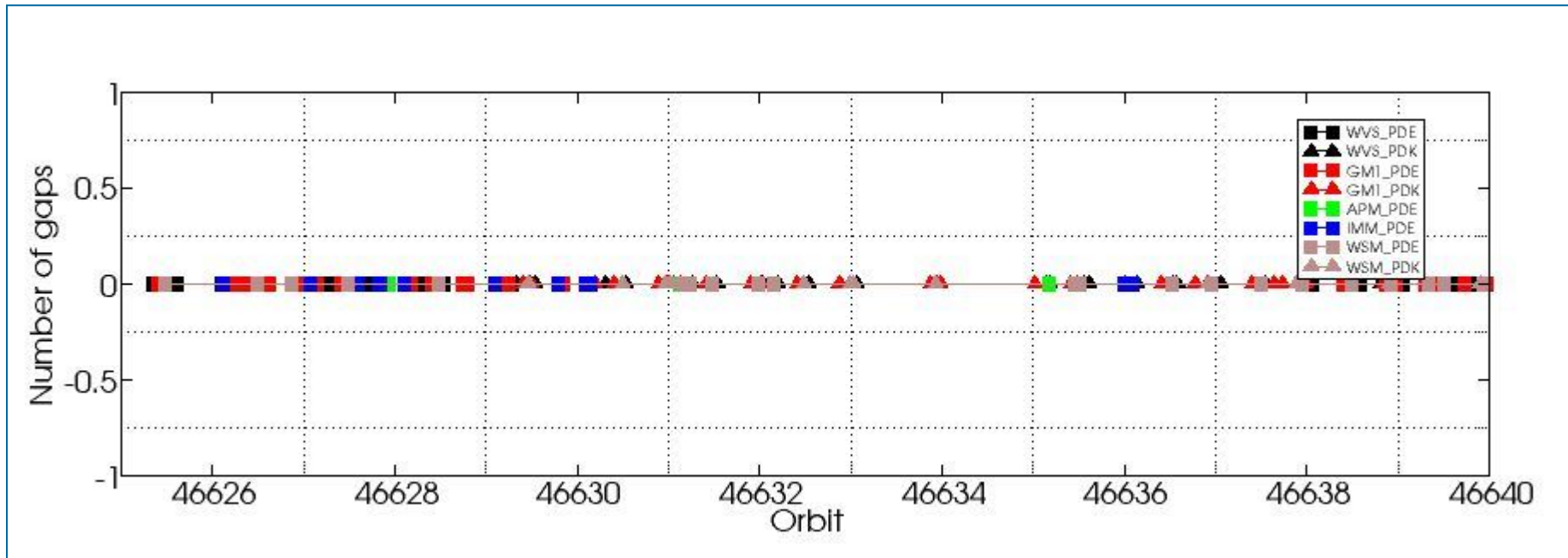
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8.2 - Number of Gaps

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ASAR DAILY REPORT for 110130
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-01-30 00:00:00

Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/

DATA SUMMARY

Summary will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_110130/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_110130/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/AUXILIARY

Creating directory ./RESULTS/DAILY/_110130/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20110130*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_110130/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_110130/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_110130/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20110130_200328_000000163099_00071_46637_0421.N1
H
H

../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/TGH_20110130_200328-20010209_135042.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/TPH_20110130_200328-20010209_135042.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/RGH_20110130_200328-20010209_135042.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/RPH_20110130_200328-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDE20110130_214342_000000163099_00072_46638_0129.N1
V
V

../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/TGV_20110130_214342-20010209_140823.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/TPV_20110130_214342-20010209_140823.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/RGV_20110130_214342-20010209_140823.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/SECOND_REFERENCE/RPV_20110130_214342-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDE20110129_204012_000000163099_00057_46623_0127.N1
Test product: ASA_MS__0PNPDK20110130_200328_000000163099_00071_46637_0421.N1
H
H

../../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20110130_200328-20110129_204012.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20110130_200328-20110129_204012.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20110130_200328-20110129_204012.png
../../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20110130_200328-20110129_204012.png

Polarization: V
Reference product: ASA_MS__0PNPDE20110129_222026_000000163099_00058_46624_0128.N1
Test product: ASA_MS__0PNPDE20110130_214342_000000163099_00072_46638_0129.N1

V
V
../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20110130_214342-20110129_222026.png
../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20110130_214342-20110129_222026.png
../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20110130_214342-20110129_222026.png
../RESULTS/DAILY/_110130/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20110130_214342-20110129_222026.png

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/_110130/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59

Analysing products WVS IS2 V/V

Writing image ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

Writing image ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-01-30_1.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-01-30_2.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-01-30_3.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-01-30_4.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../RESULTS/DAILY/_110130//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 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-01-30_1.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-01-30_2.dat...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...

Writing ../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-01-30_3.dat...
Writing ../../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-01-30 00:00:00 to 2011-01-30 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110130/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-01-30_4.dat...
Writing ../../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_110130//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_110130/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DOPPLER/Doppler_data_WVS_IS2_VV_2011-01-30.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110130/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DOPPLER/Doppler_data_GM1_SS1_HH_2011-01-30.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110130/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-01-30 00:00:00 to 2011-01-30 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/DOPPLER/Doppler_Jumps_data_WSM_2011-01-30.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110130/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_110130/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 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 = -68.159099 Hz
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

```
*****
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -63.429919 Hz
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_110130//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 = -56.041054 Hz
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...
*****
```

```
Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -56.964225 Hz
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110130//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...
*****
```

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

```
CHIRP ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_110130/CHIRP...
```

```
*****
*****
CHIRP Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
```

```
Analysing products WSM SS1 H/H
*****
Getting ScaleFactor data for WSM SS1 H/H from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-01-30.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110130/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110130/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...
```

```
Analysing products WSM SS1 V/V
*****
Getting ScaleFactor data for WSM SS1 V/V from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-01-30.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110130/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_110130/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...
```

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


RAW DATA ANALYSIS

Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/RAW_DATA

Creating directory ./RESULTS/DAILY/_110130/RAW_DATA...

Getting raw data for WVS from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/RAW_DATA/Raw_data_WVS_2011-01-30.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-01-30 00:00:00 to 2011-01-30 23:59:59...
Writing file ./RESULTS/DAILY/_110130/RAW_DATA/Raw_data_IMM_2011-01-30.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110130/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2011-01-30 00:00:00 to 2011-01-30 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110130/TELEMETRY

Creating directory ./RESULTS/DAILY/_110130/TELEMETRY...

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

Checking 32 products from PDE...
Checking 22 products from PDK...

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

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

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

Checking 3 products from PDE...
No products from PDK...

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

Checking 12 products from PDE...
No products from PDK...

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

Checking 22 products from PDE...
Checking 15 products from PDK...
Found product...ASA_WSM_1PNPDK20110130_205349_00000923099_00072_46638_4698.N1 / 0 gaps / 1 missing lines
Found product...ASA_WSM_1PNPDK20110130_205349_00000923099_00072_46638_4700.N1 / 0 gaps / 1 missing lines

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/_110130/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_110130/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

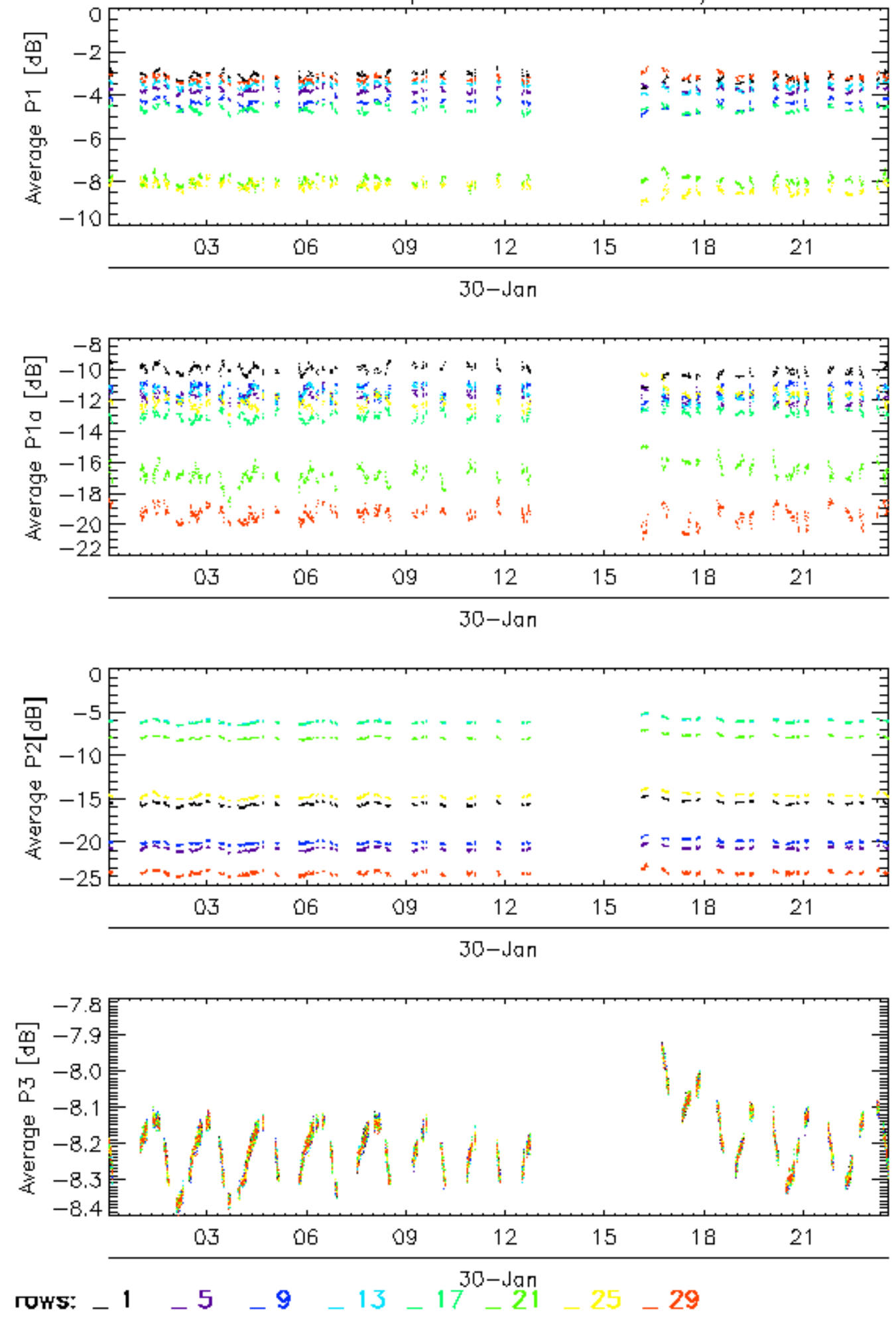
HTML REPORT generation
#####

Building file ./RESULTS/DAILY/_110130/asarReport.html...
Building DATA SUMMARY section...
Building AUXILIARY FILES ANALYSIS section...
Building MODULE STEPPING ANALYSIS section...
Building CALIBRATION PULSES ANALYSIS section...
Building DOPPLER ANALYSIS section...
Building CHIRP ANALYSIS section...
Building RAW DATA ANALYSIS section...
Building TELEMETRY ANALYSIS section...

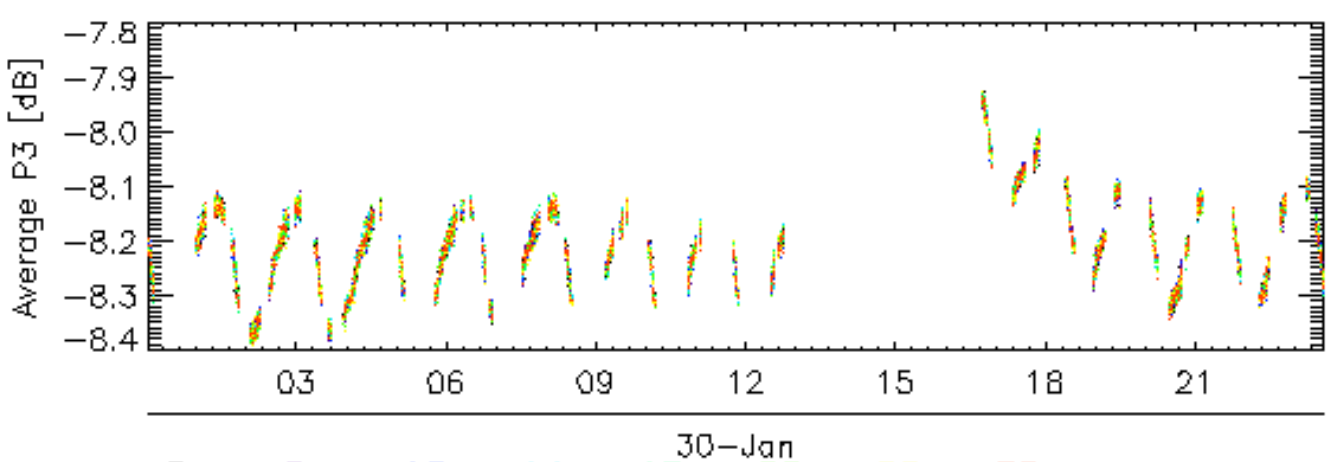
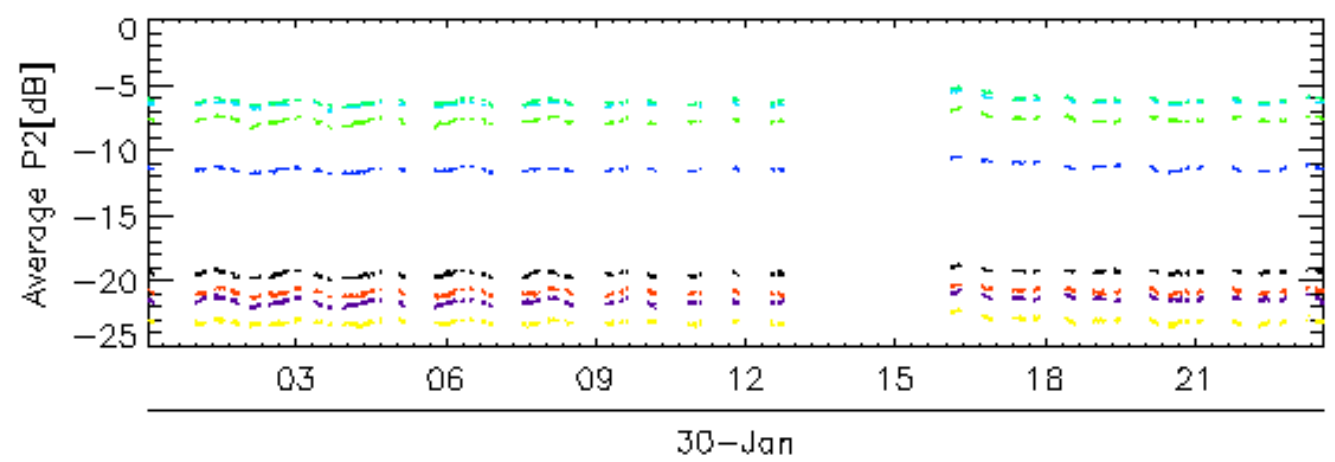
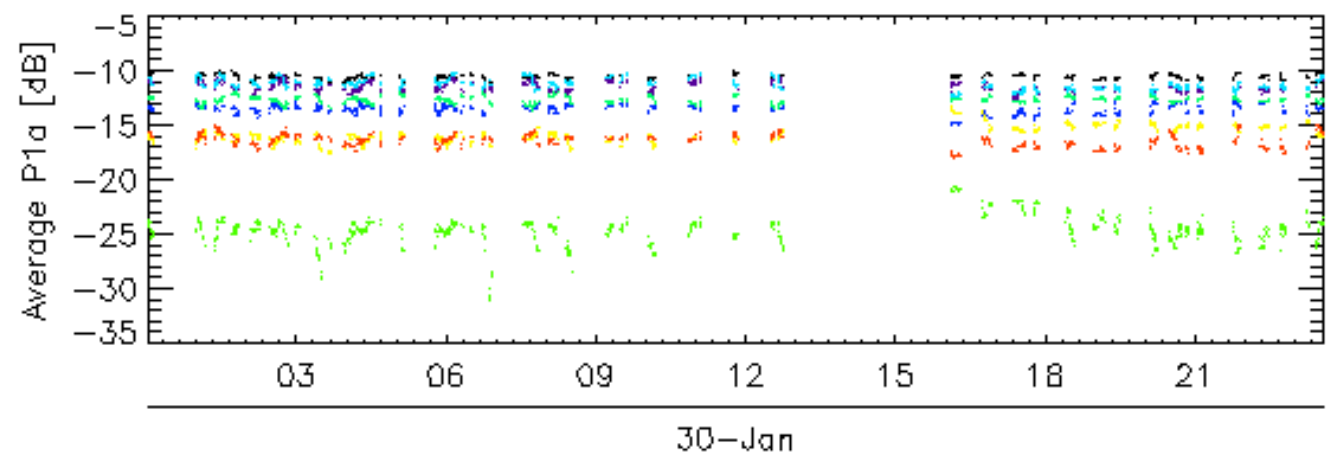
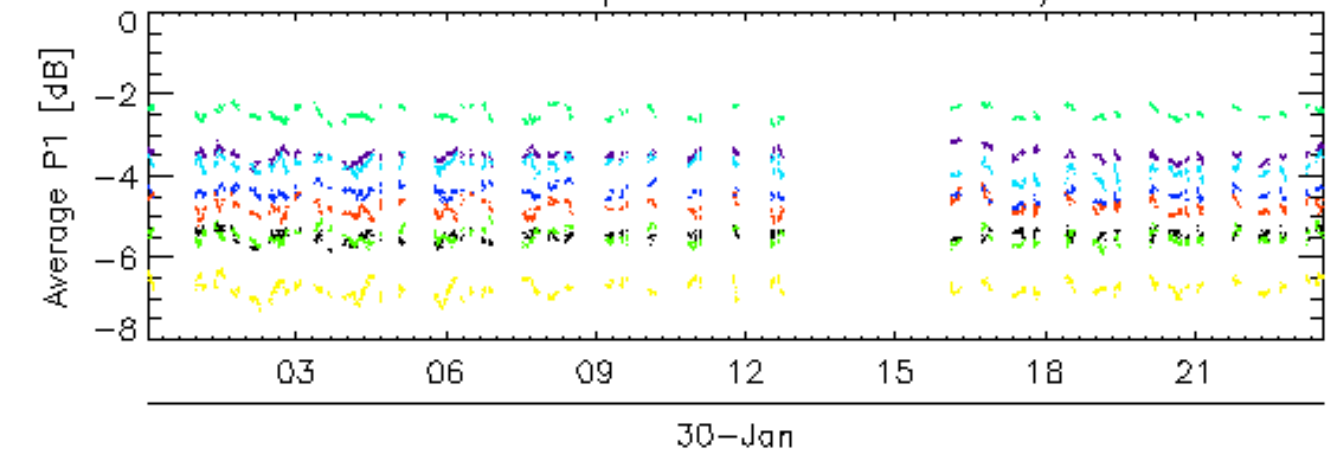
HTML REPORT generation completed
#####



Calibration pulses for GM1 SS3 H/H

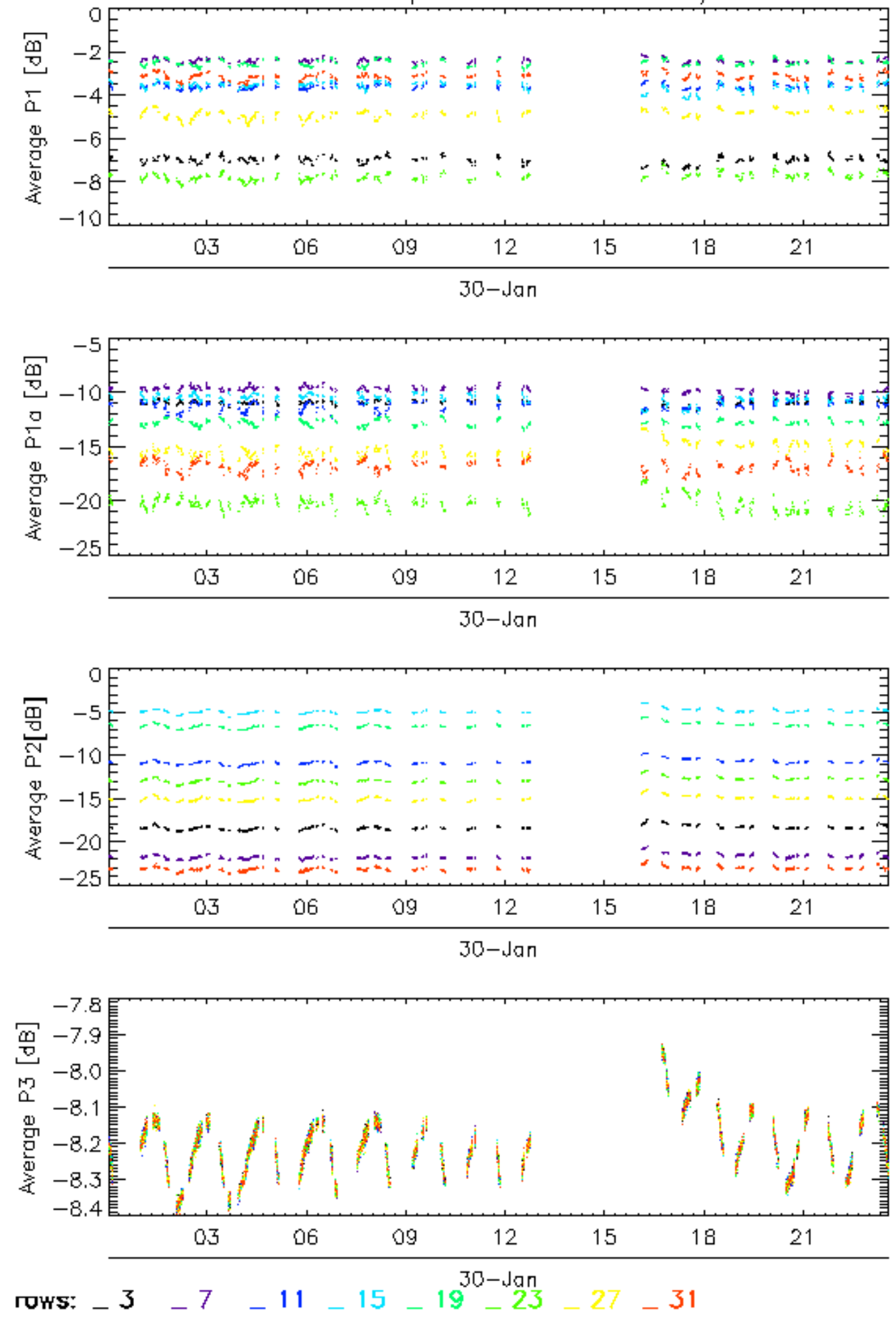


Calibration pulses for GM1 SS3 H/H

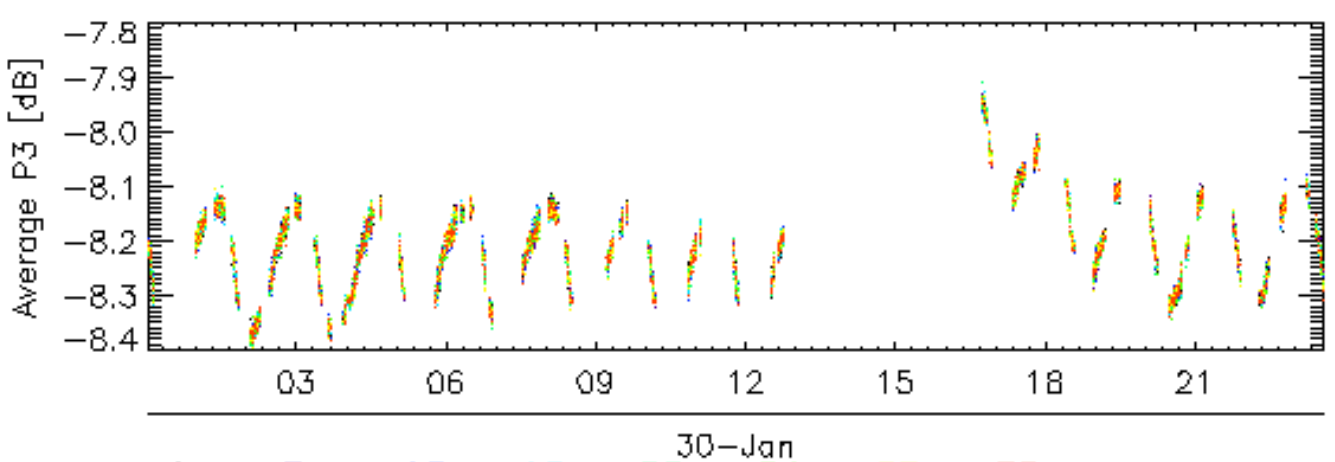
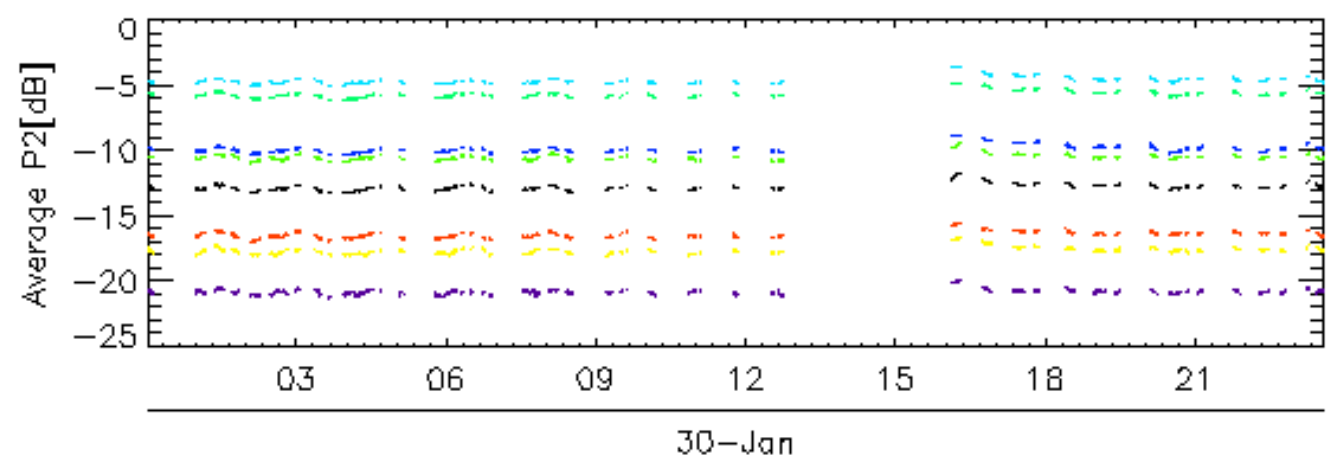
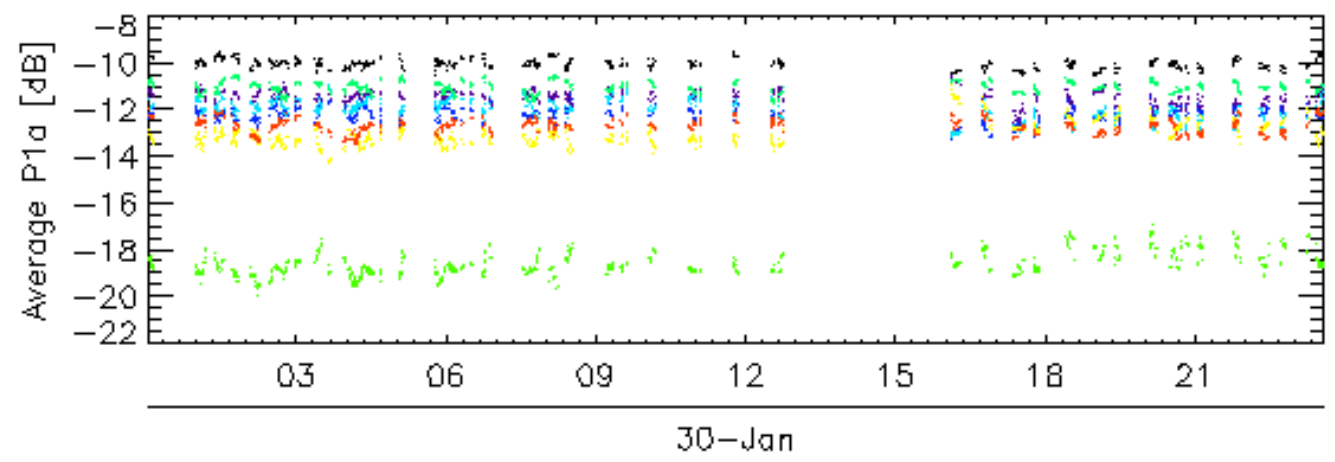
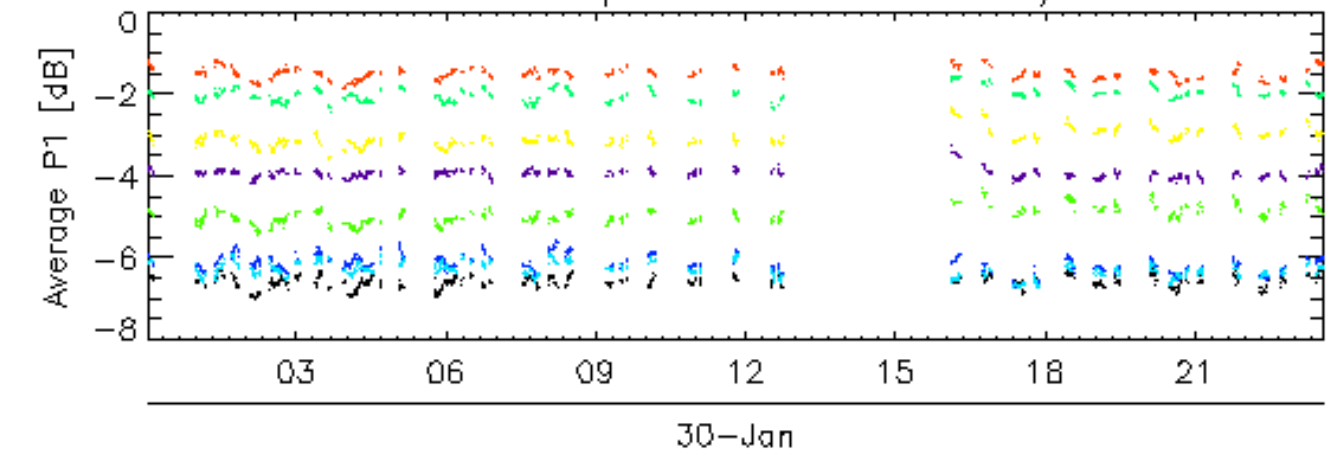


rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

Calibration pulses for GM1 SS3 H/H

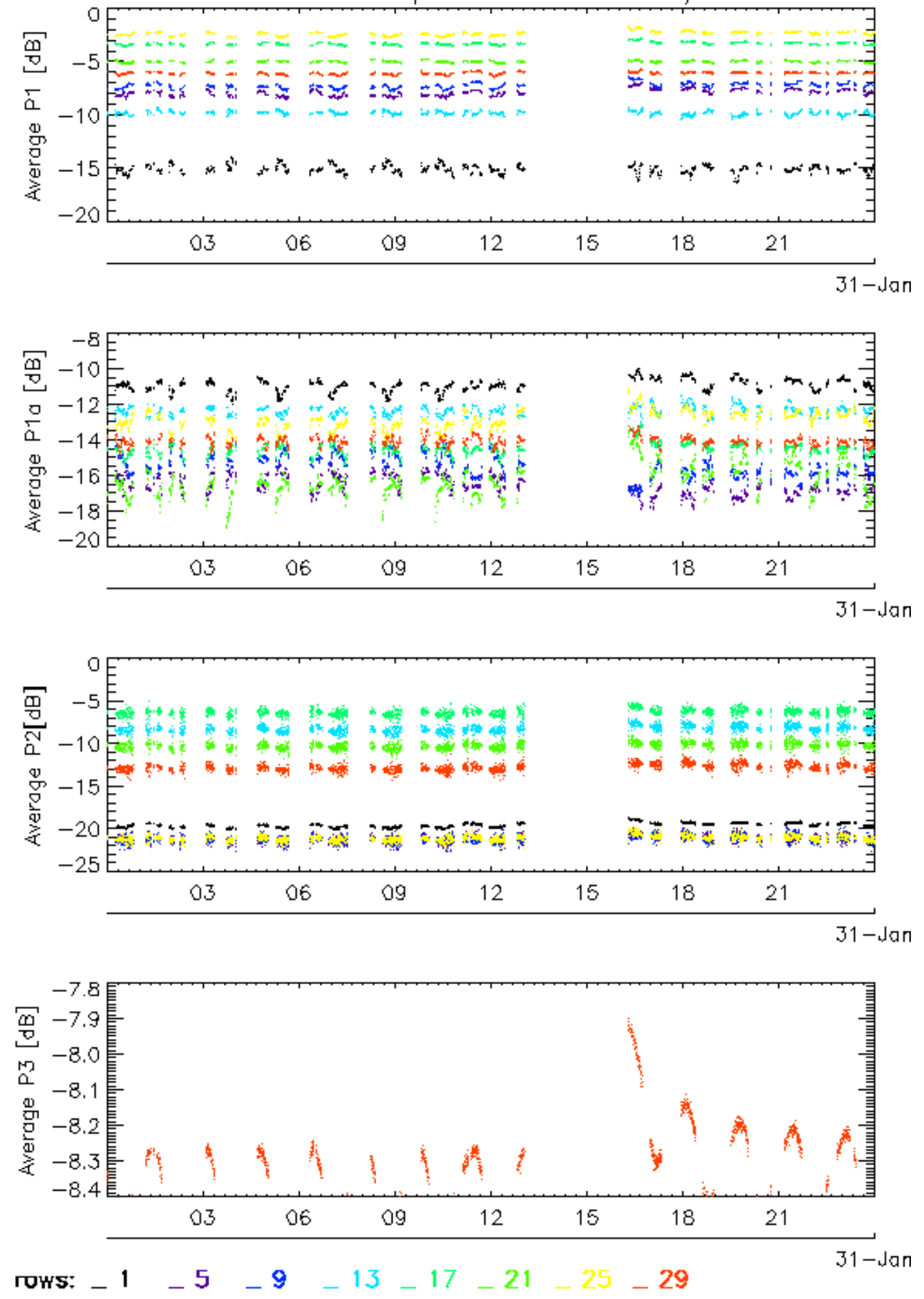


Calibration pulses for GM1 SS3 H/H

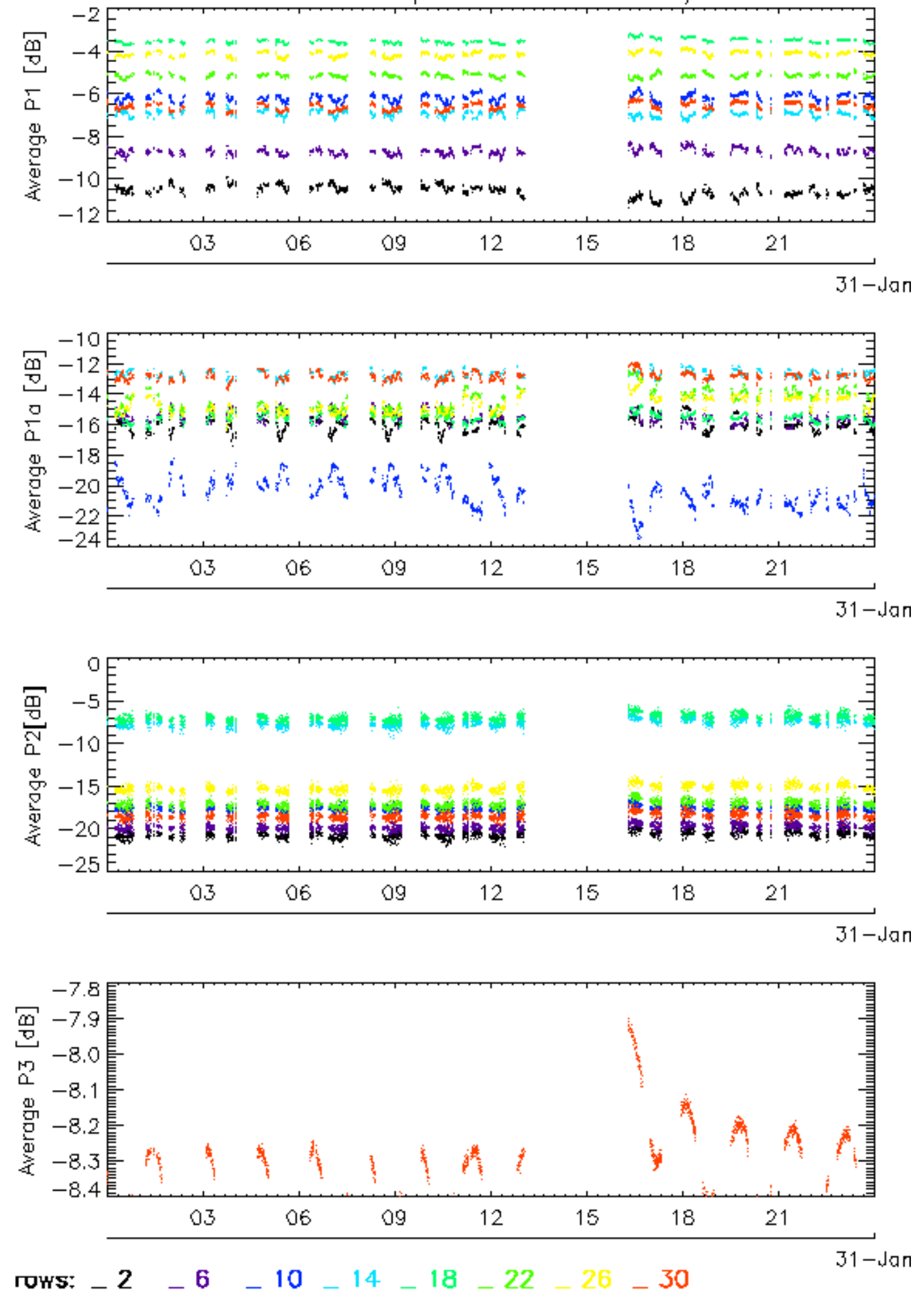


rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

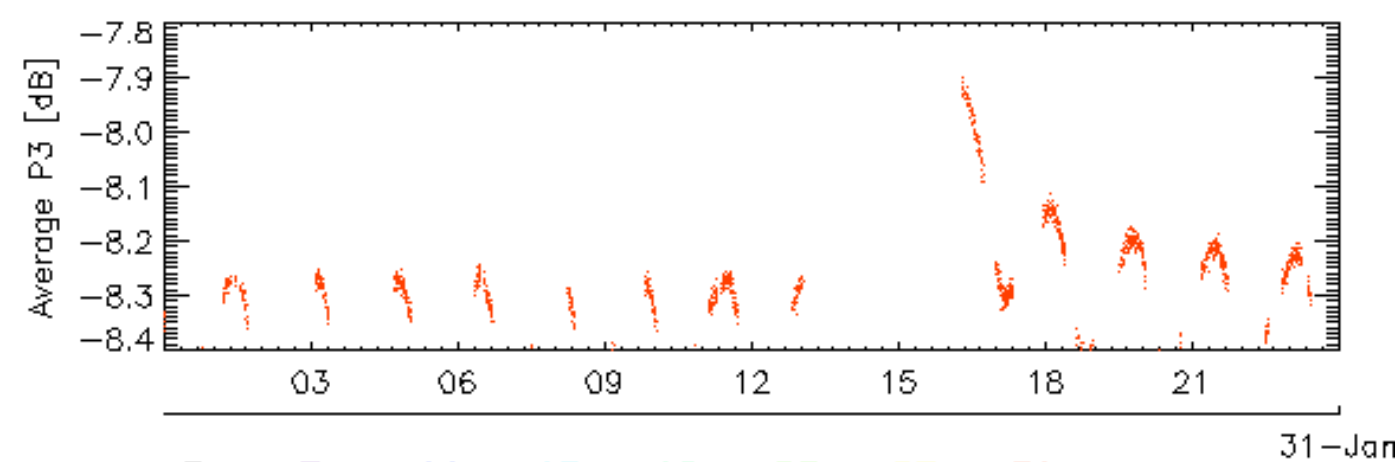
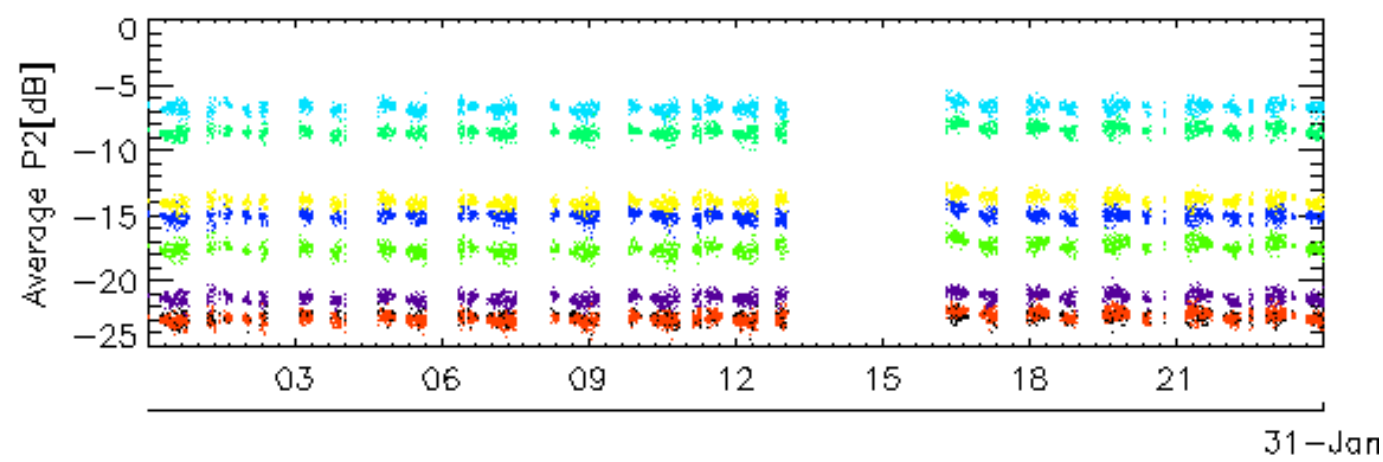
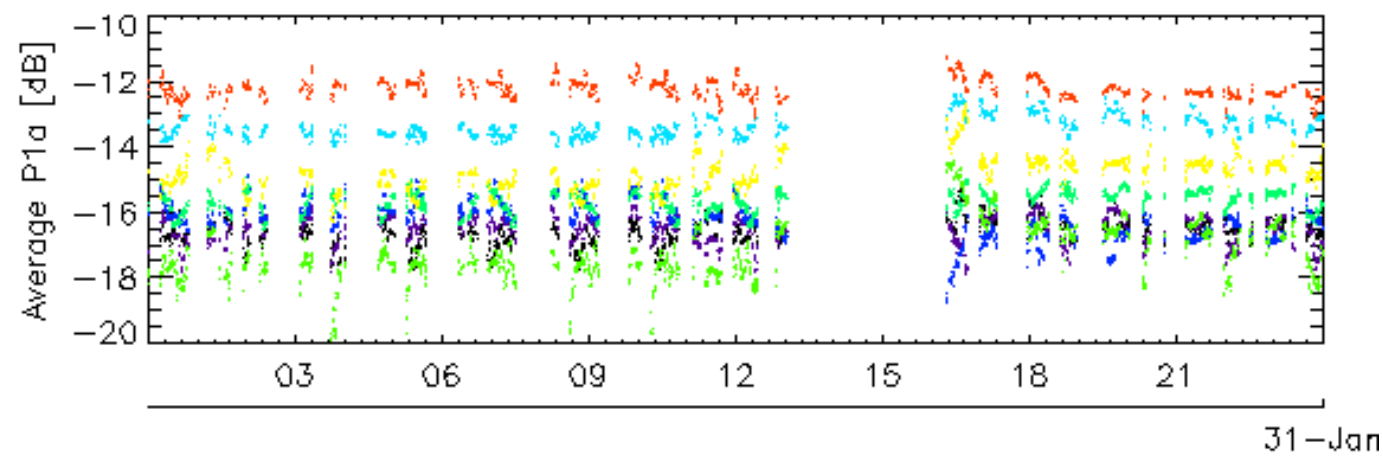
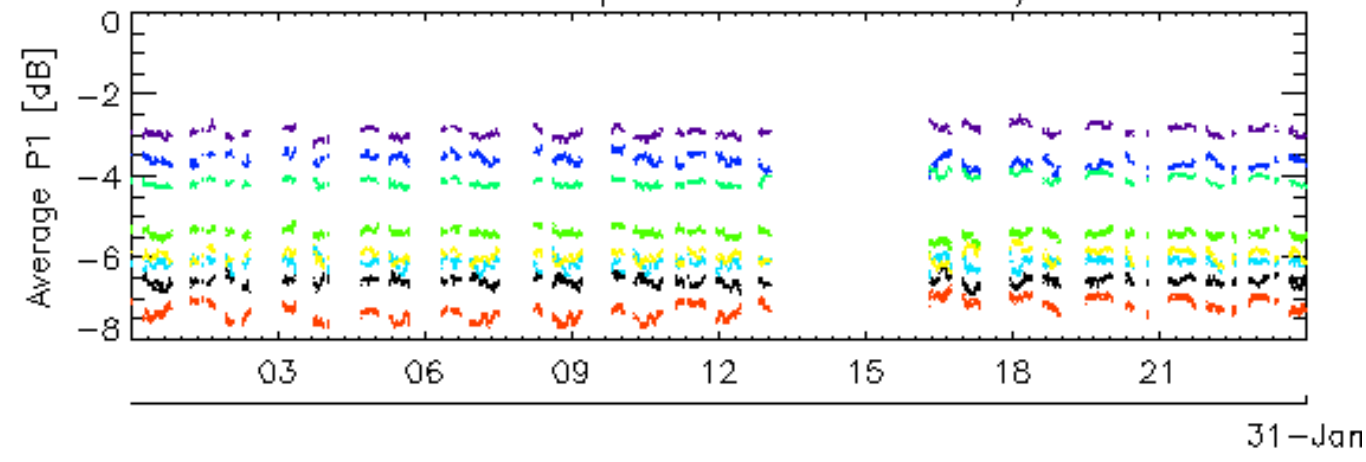
Calibration pulses for WVS IS2 V/V



Calibration pulses for WVS IS2 V/V

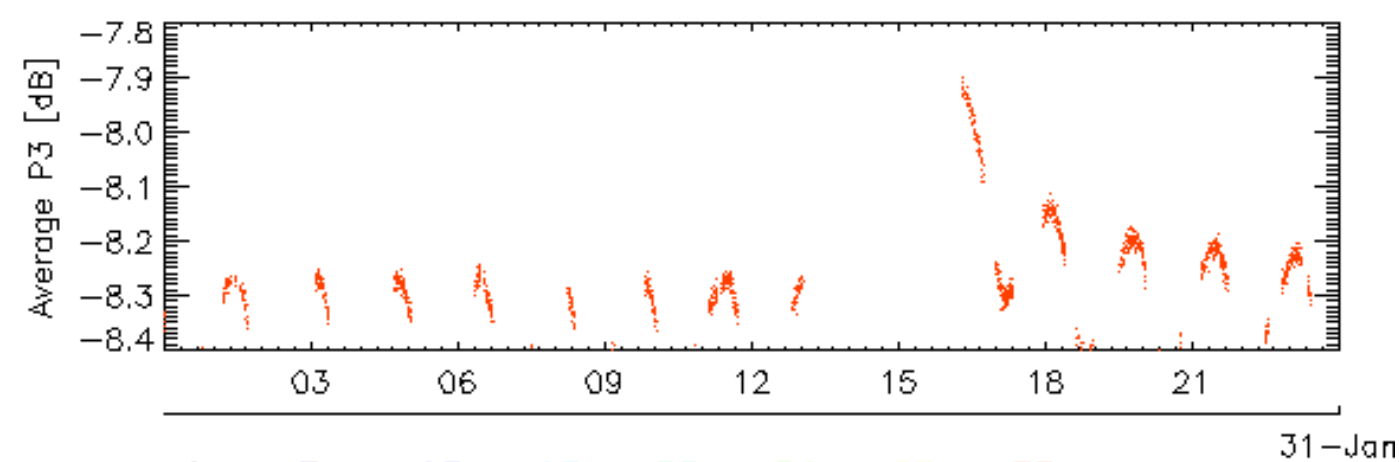
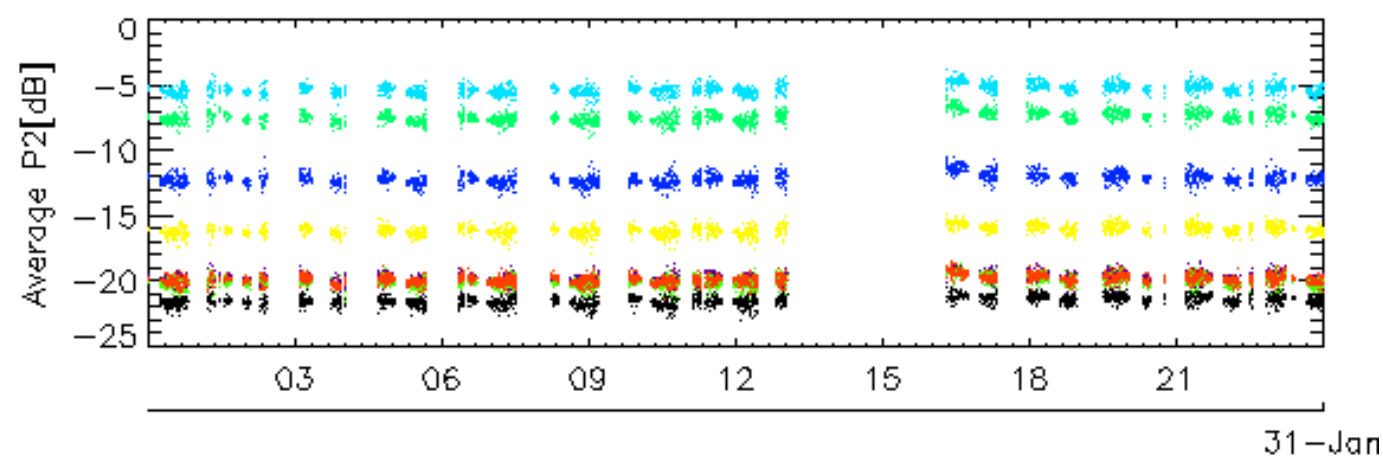
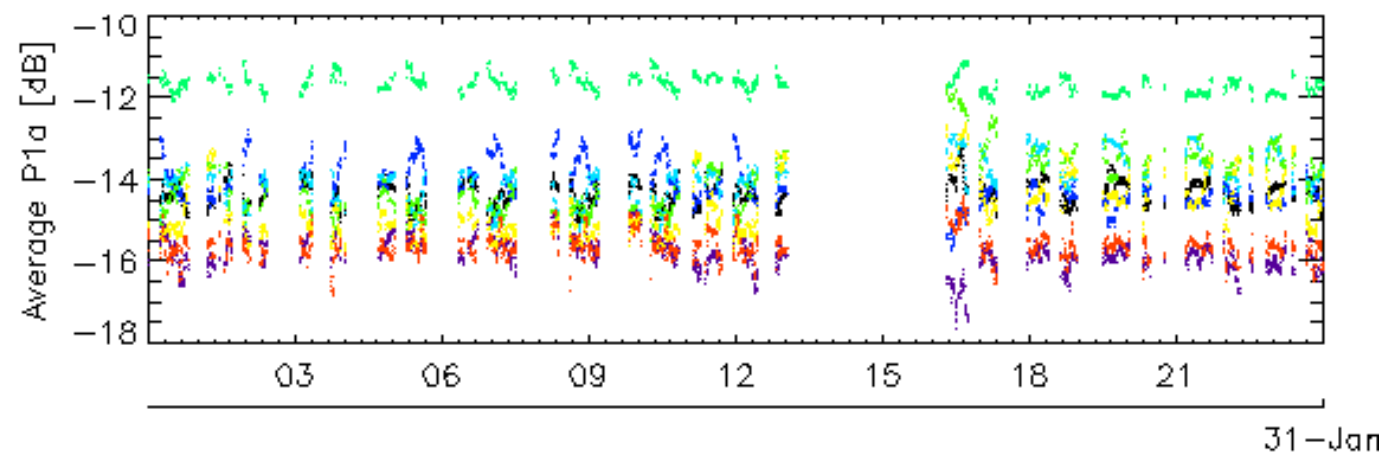
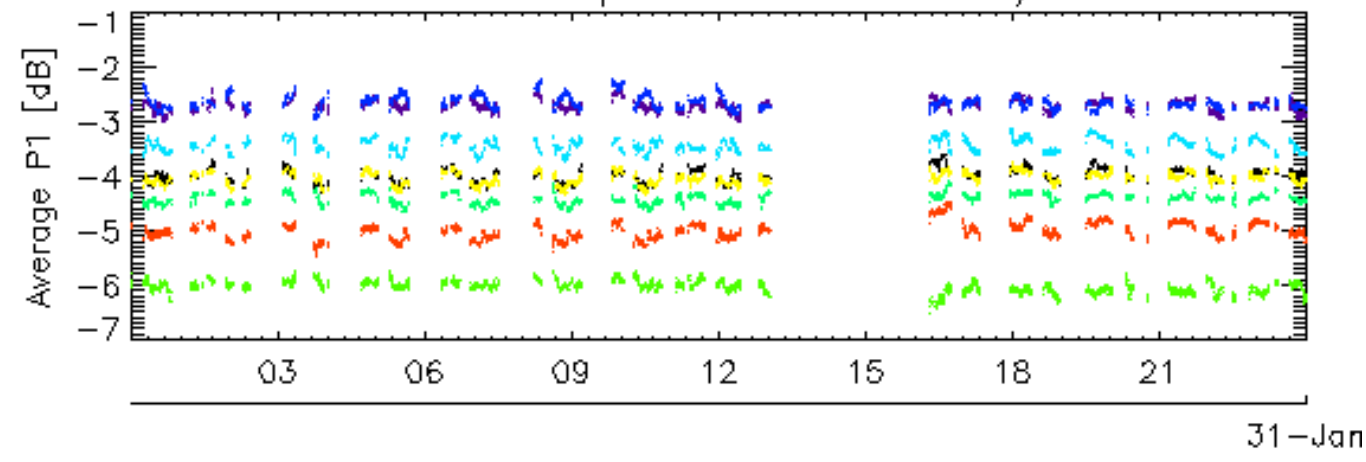


Calibration pulses for WVS IS2 V/V

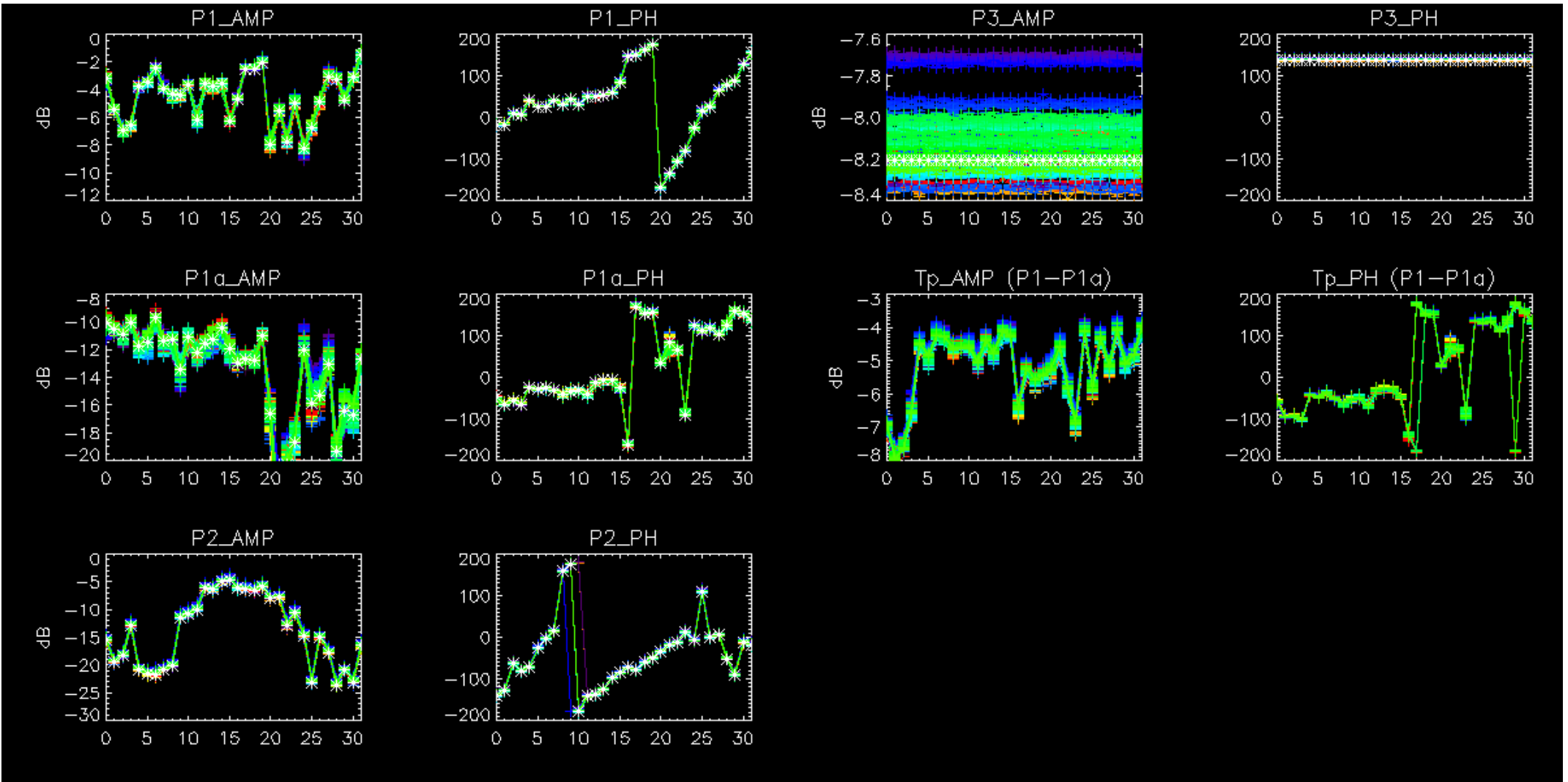


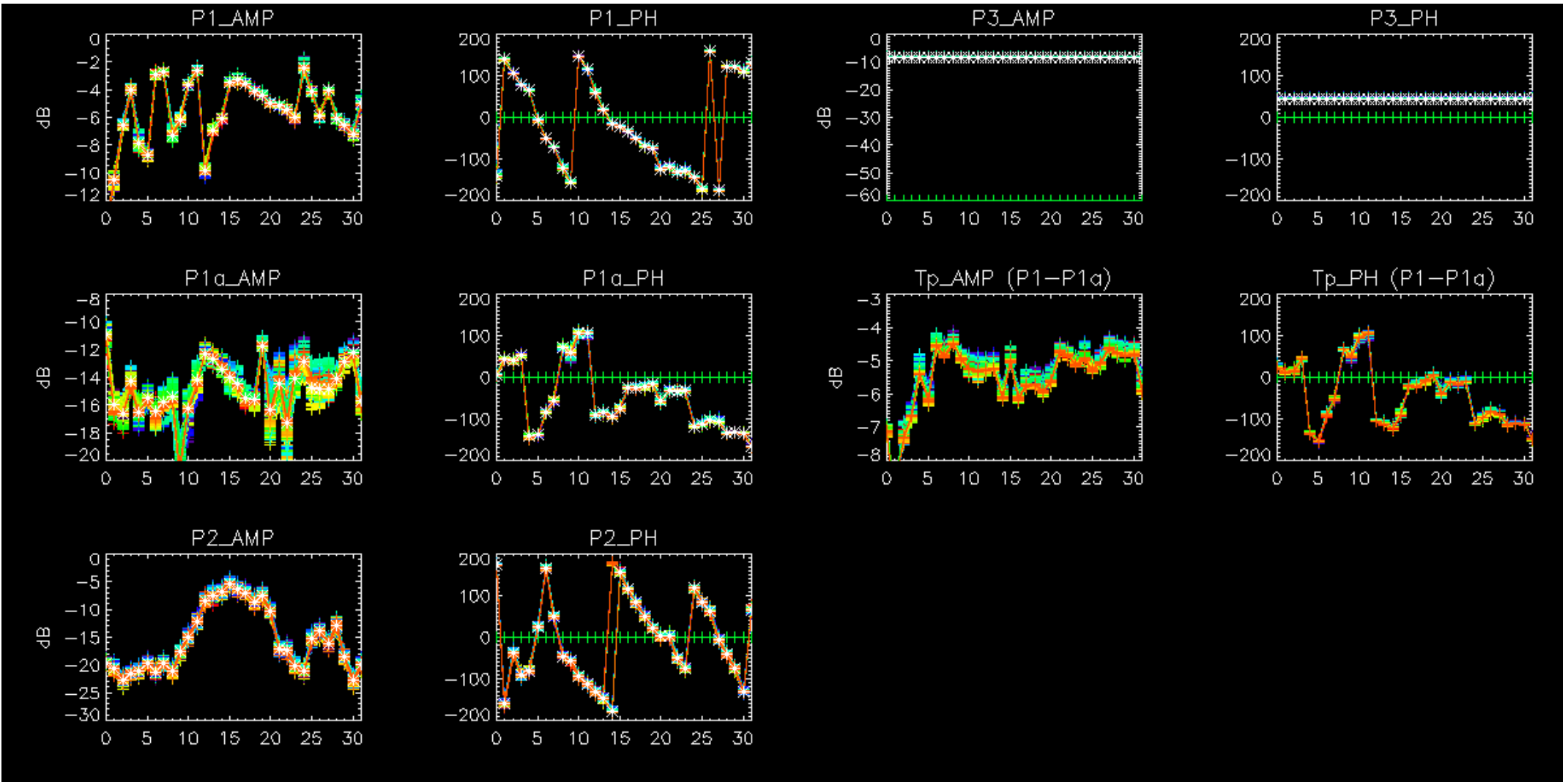
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

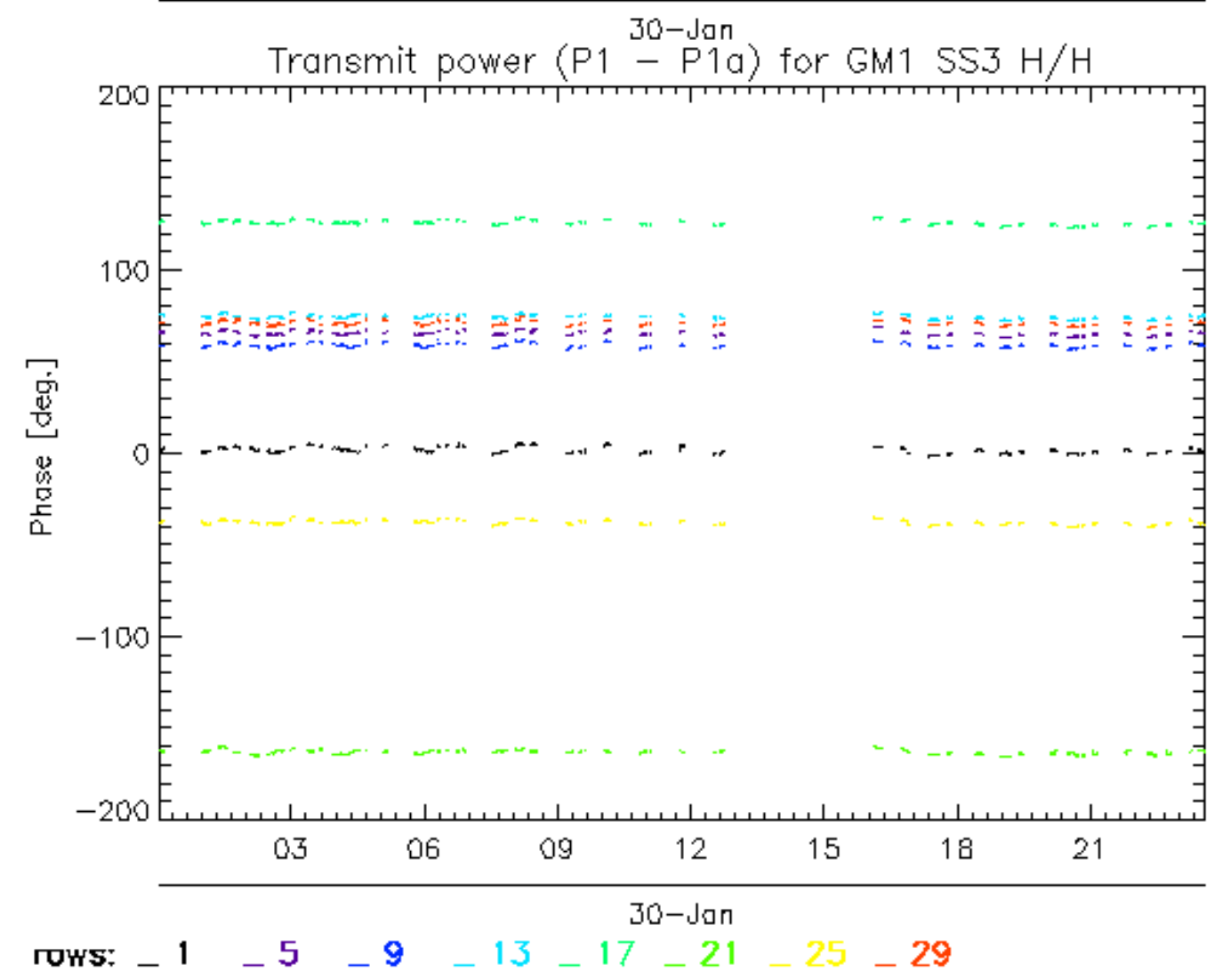
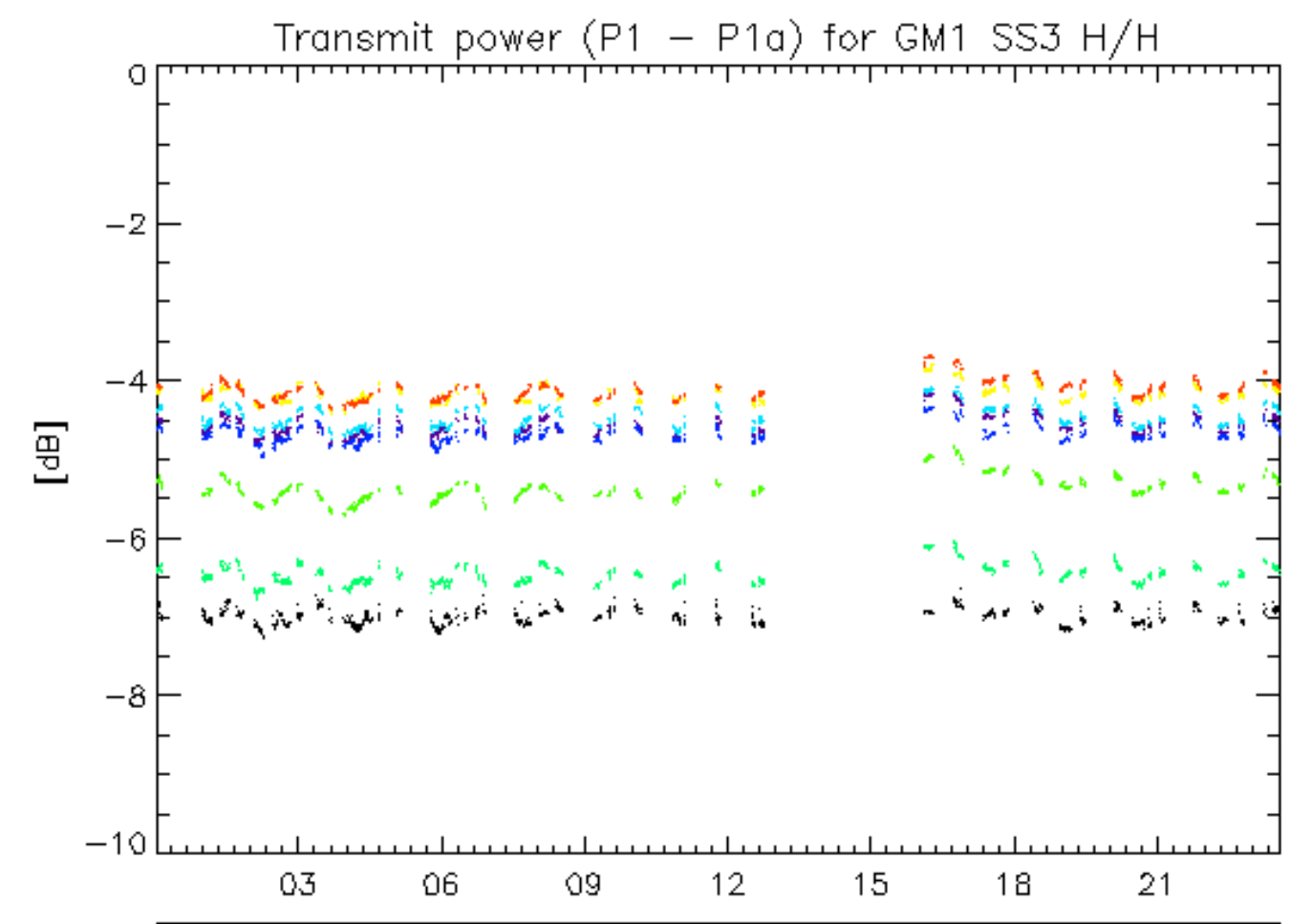
Calibration pulses for WVS IS2 V/V

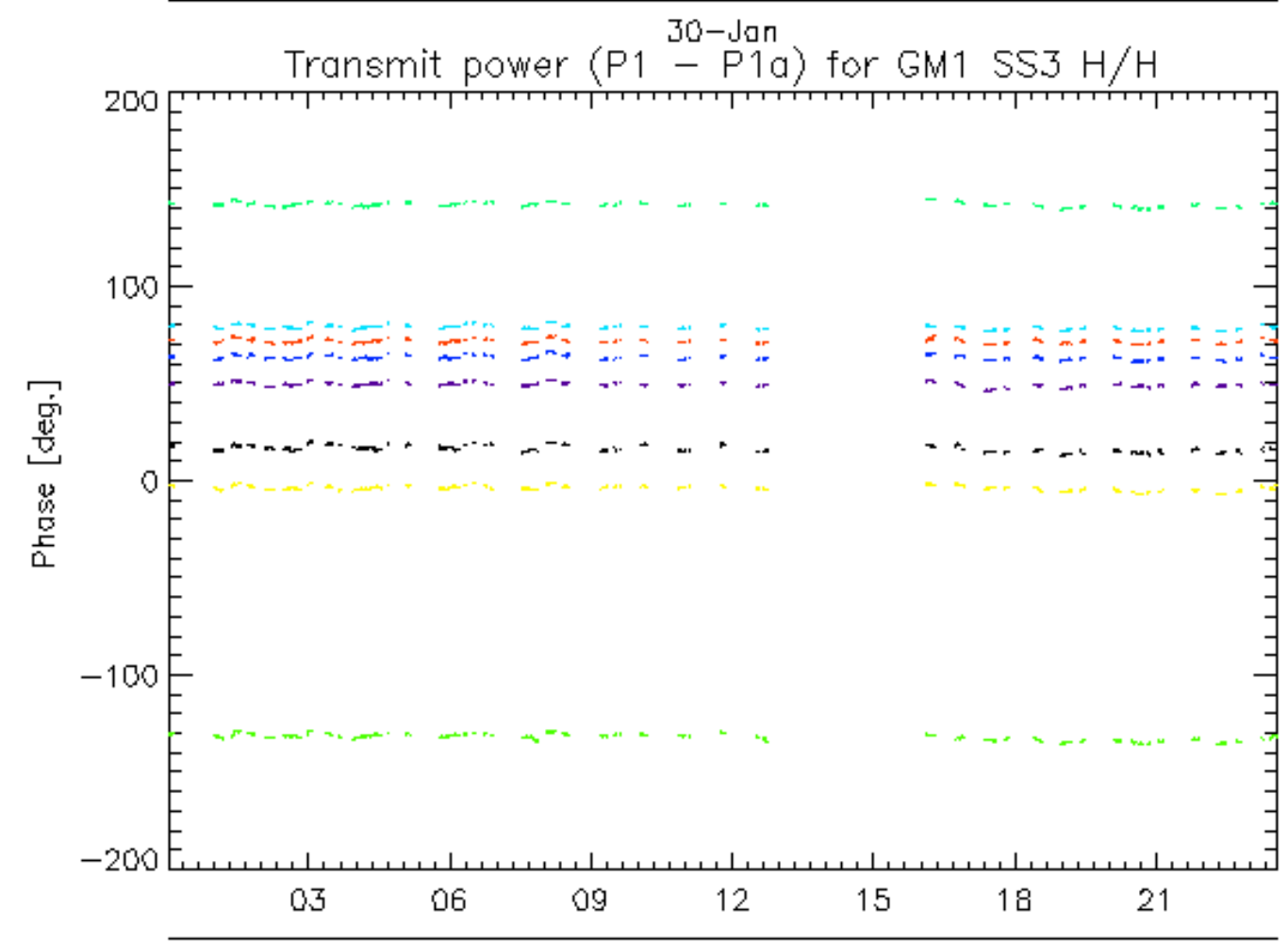
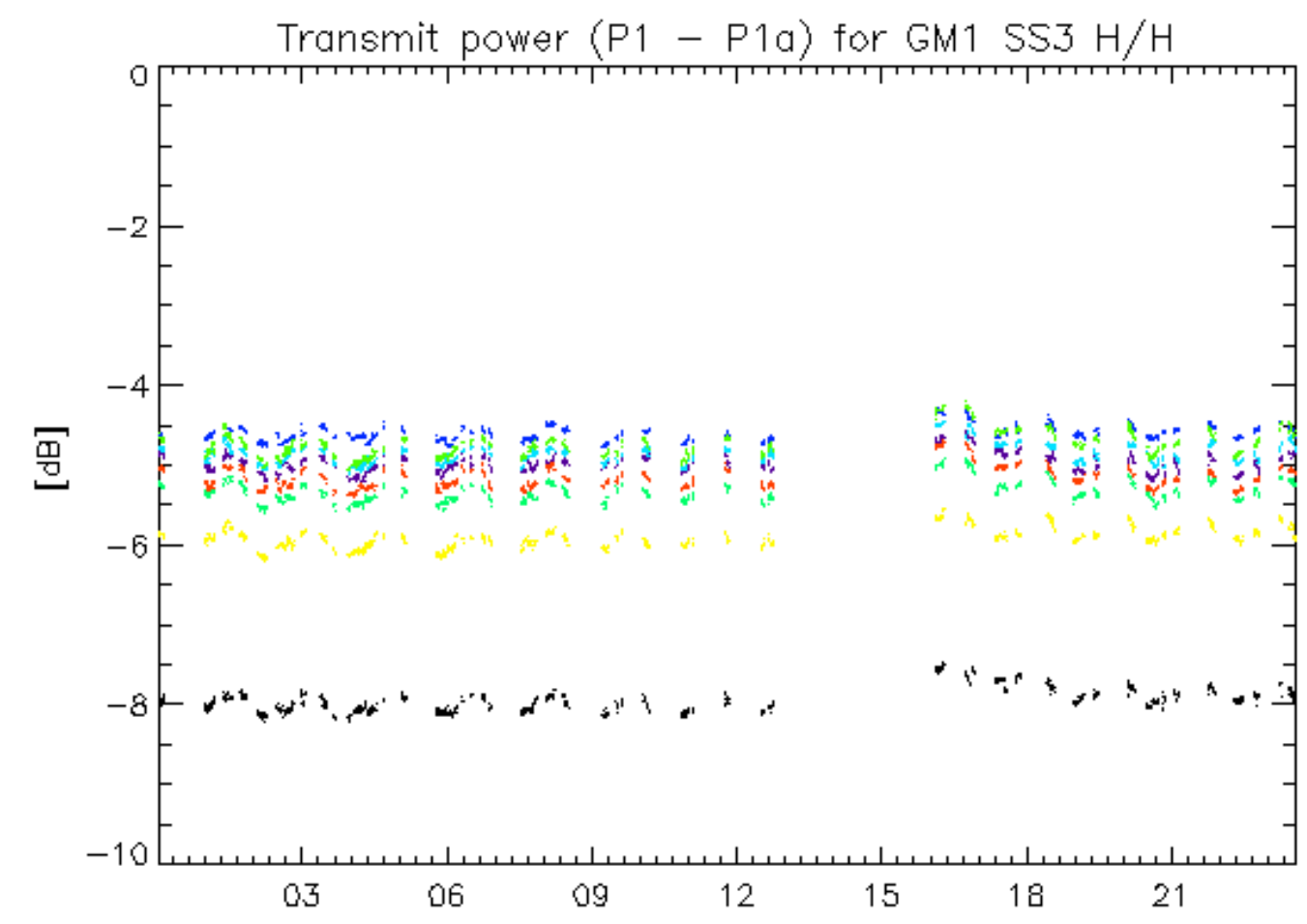


rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32

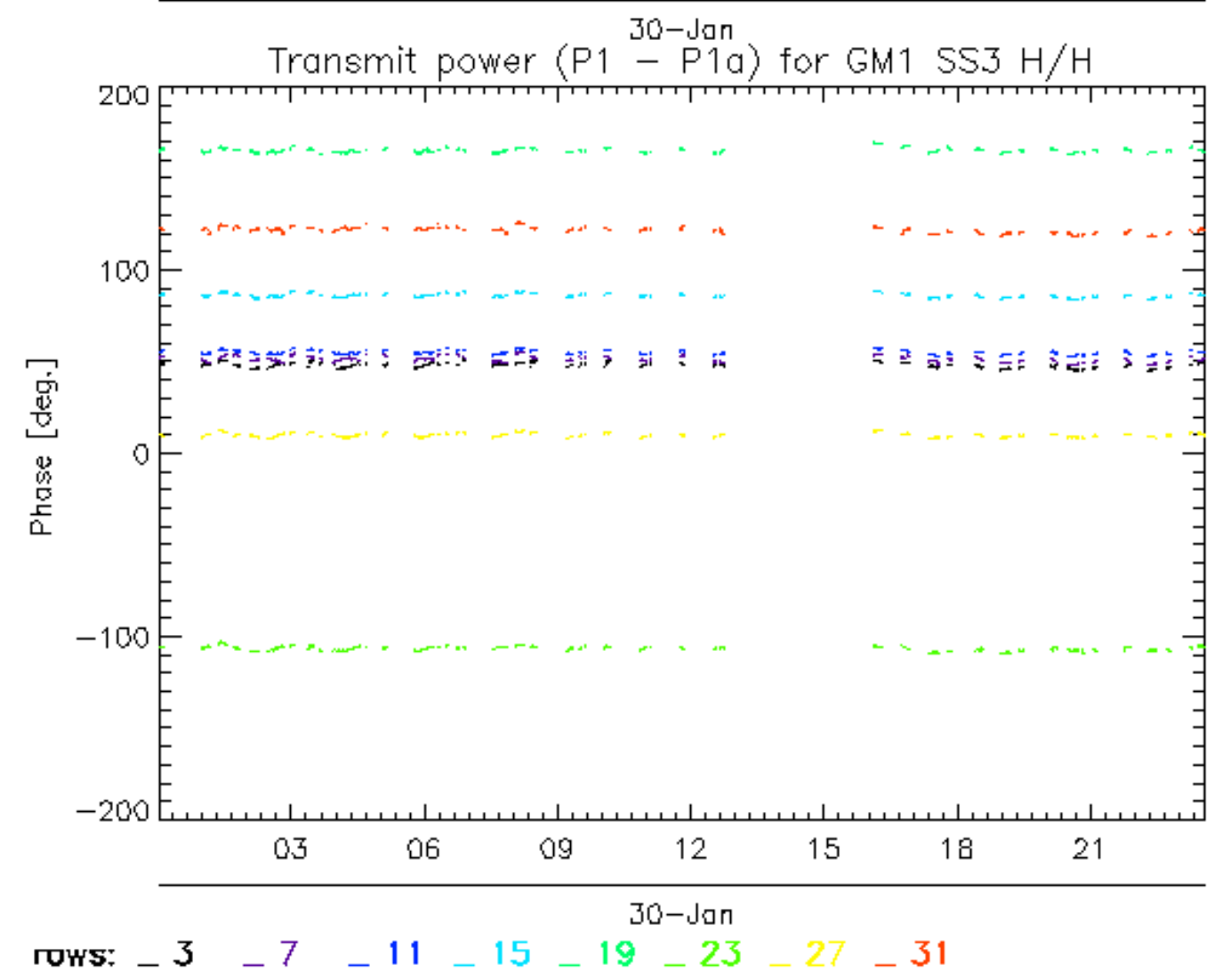
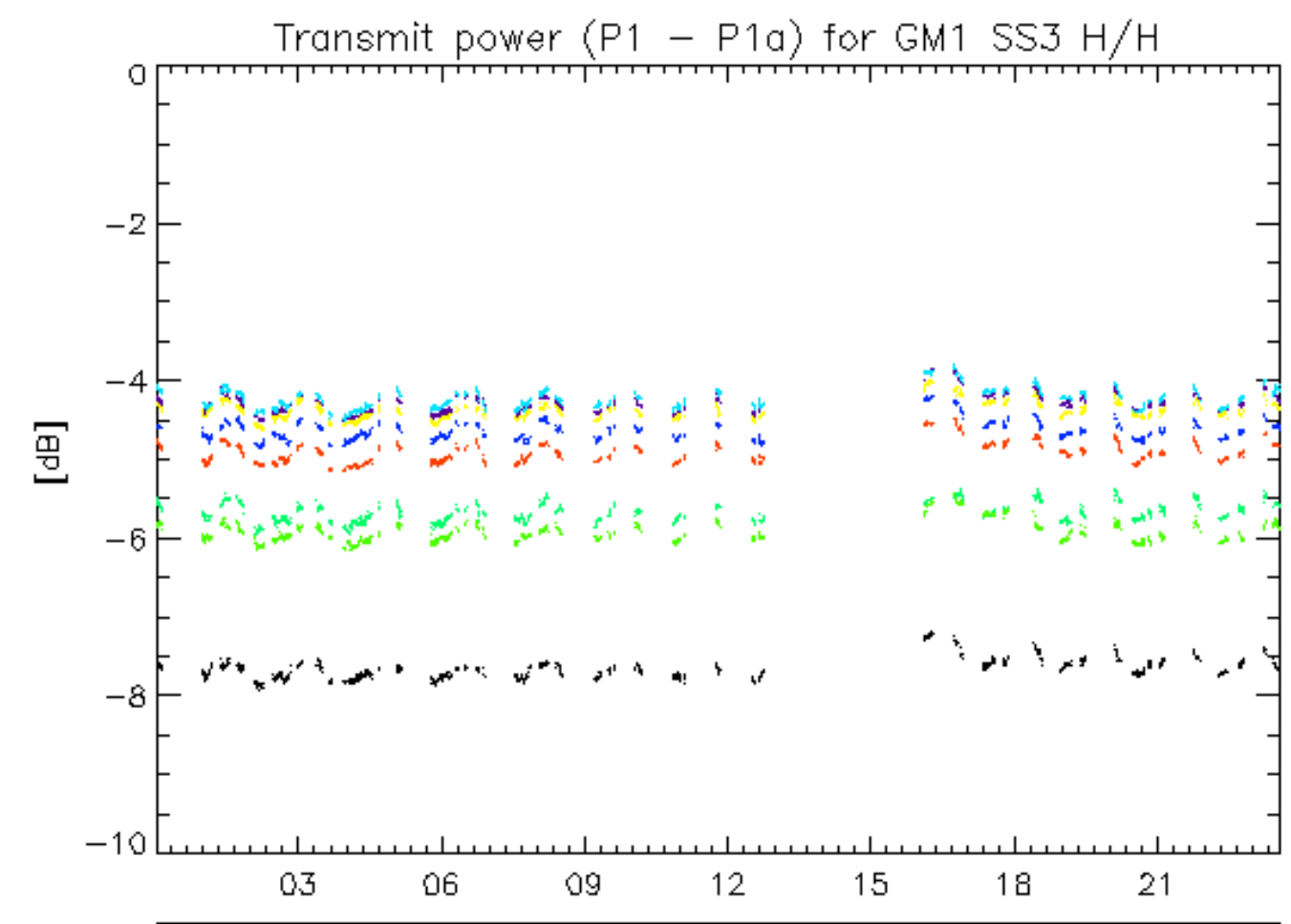


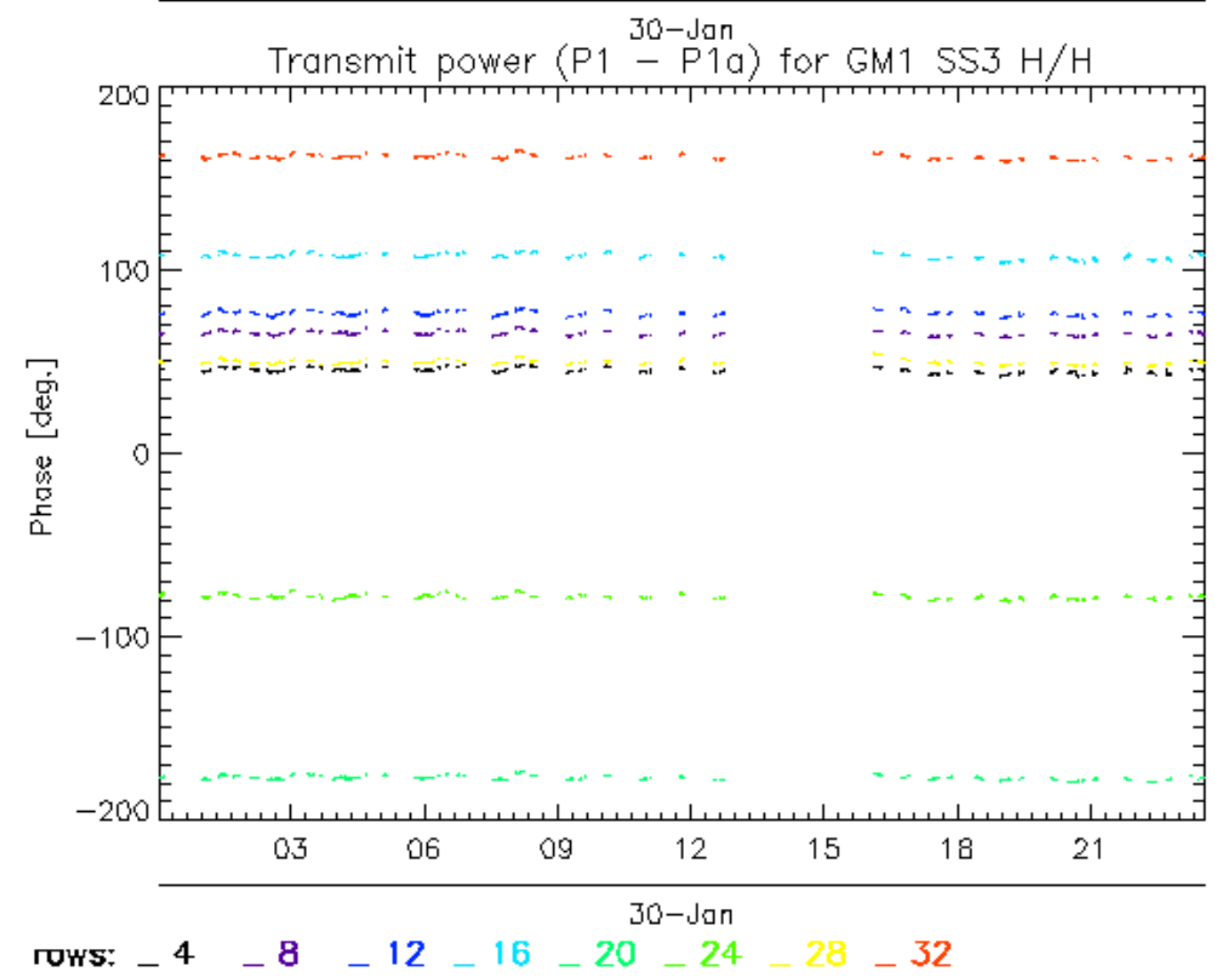
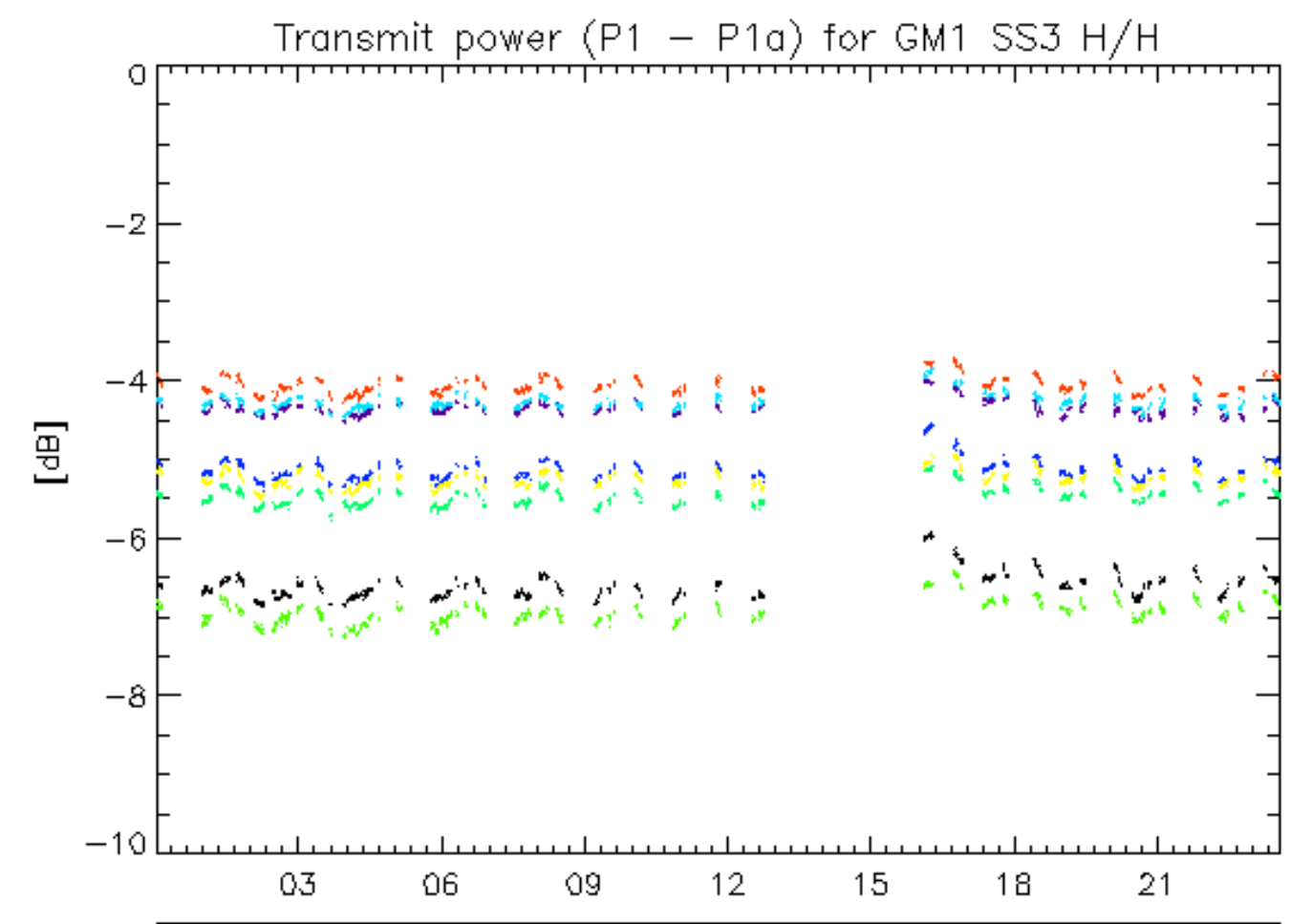


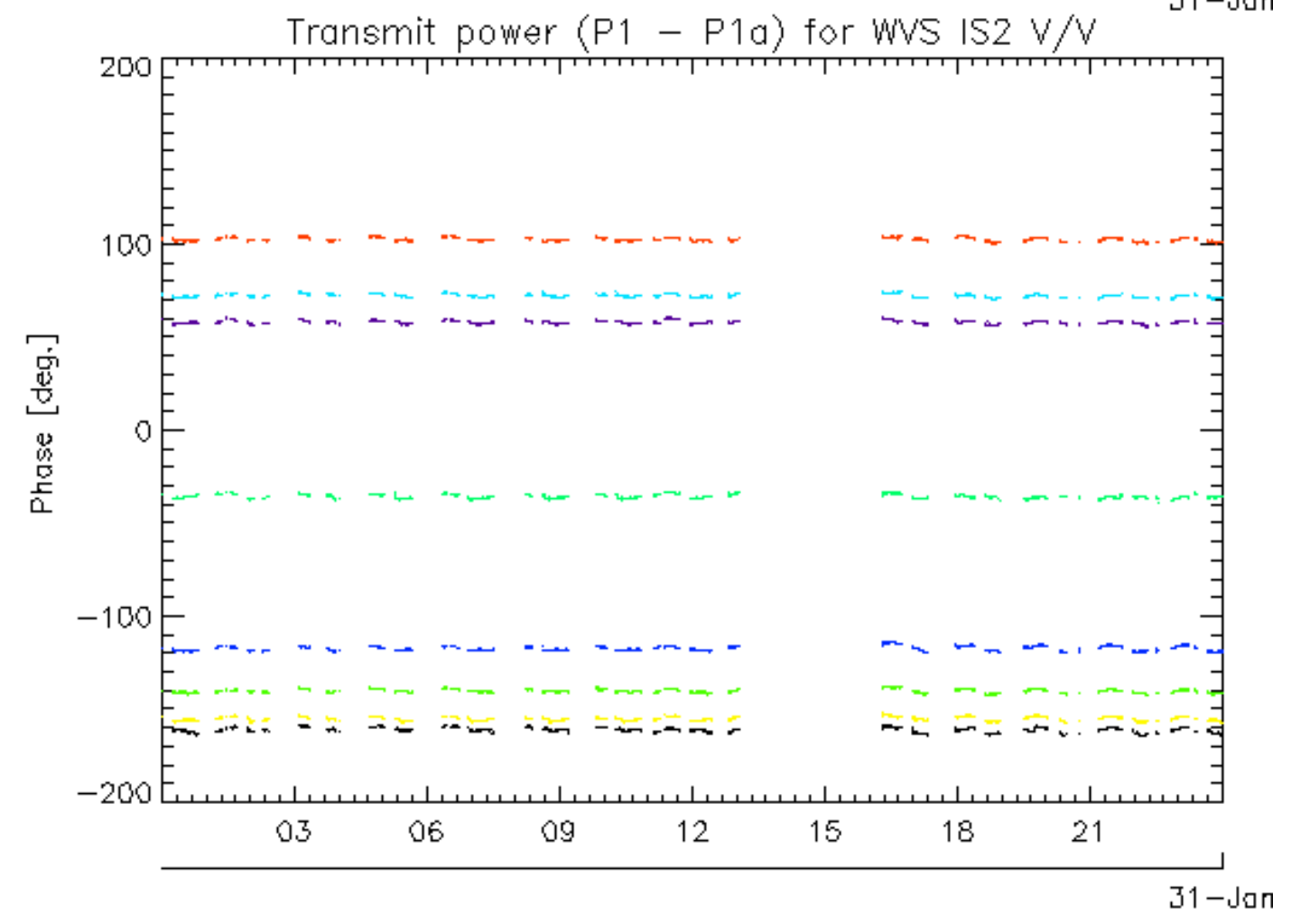
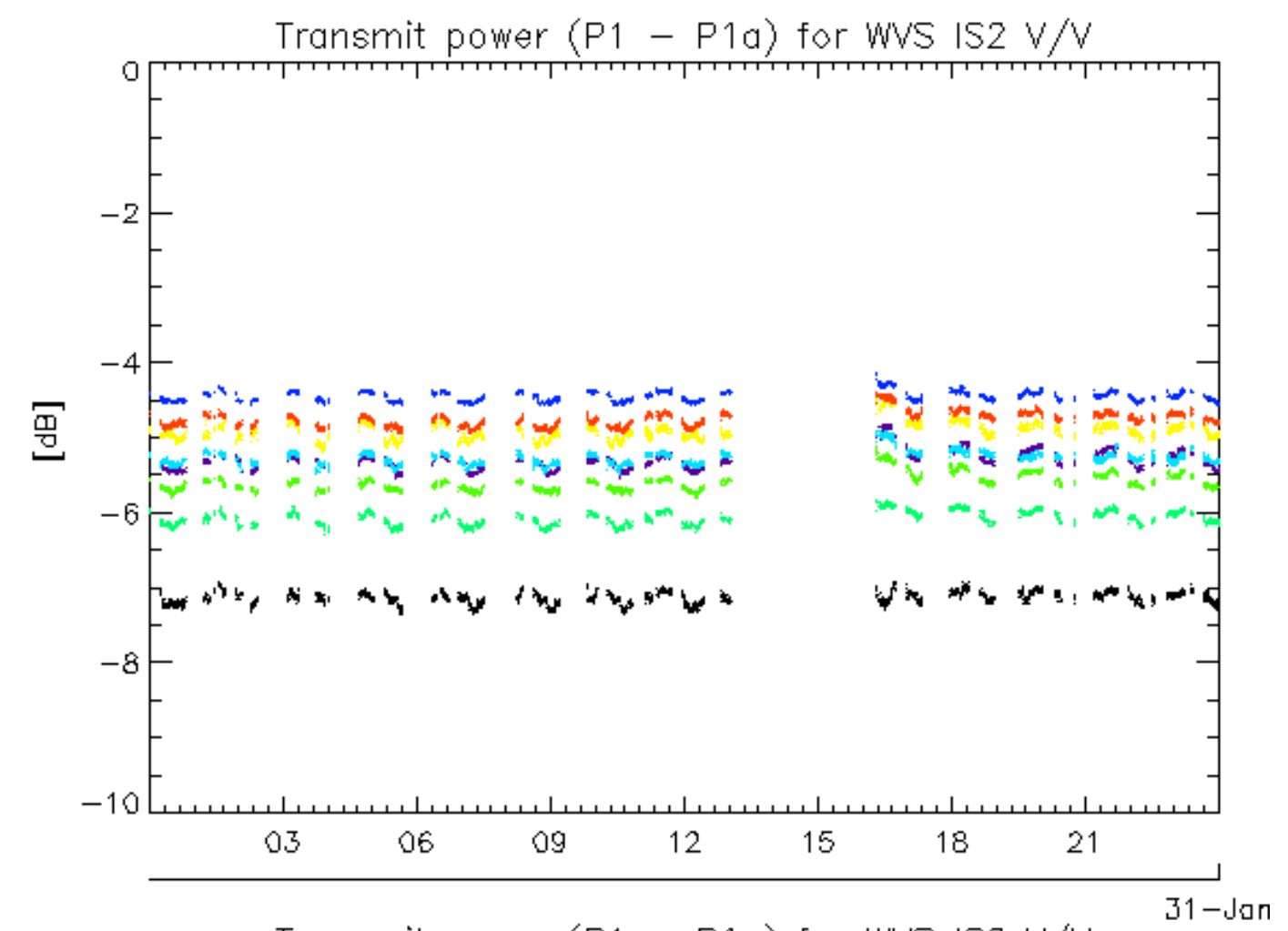




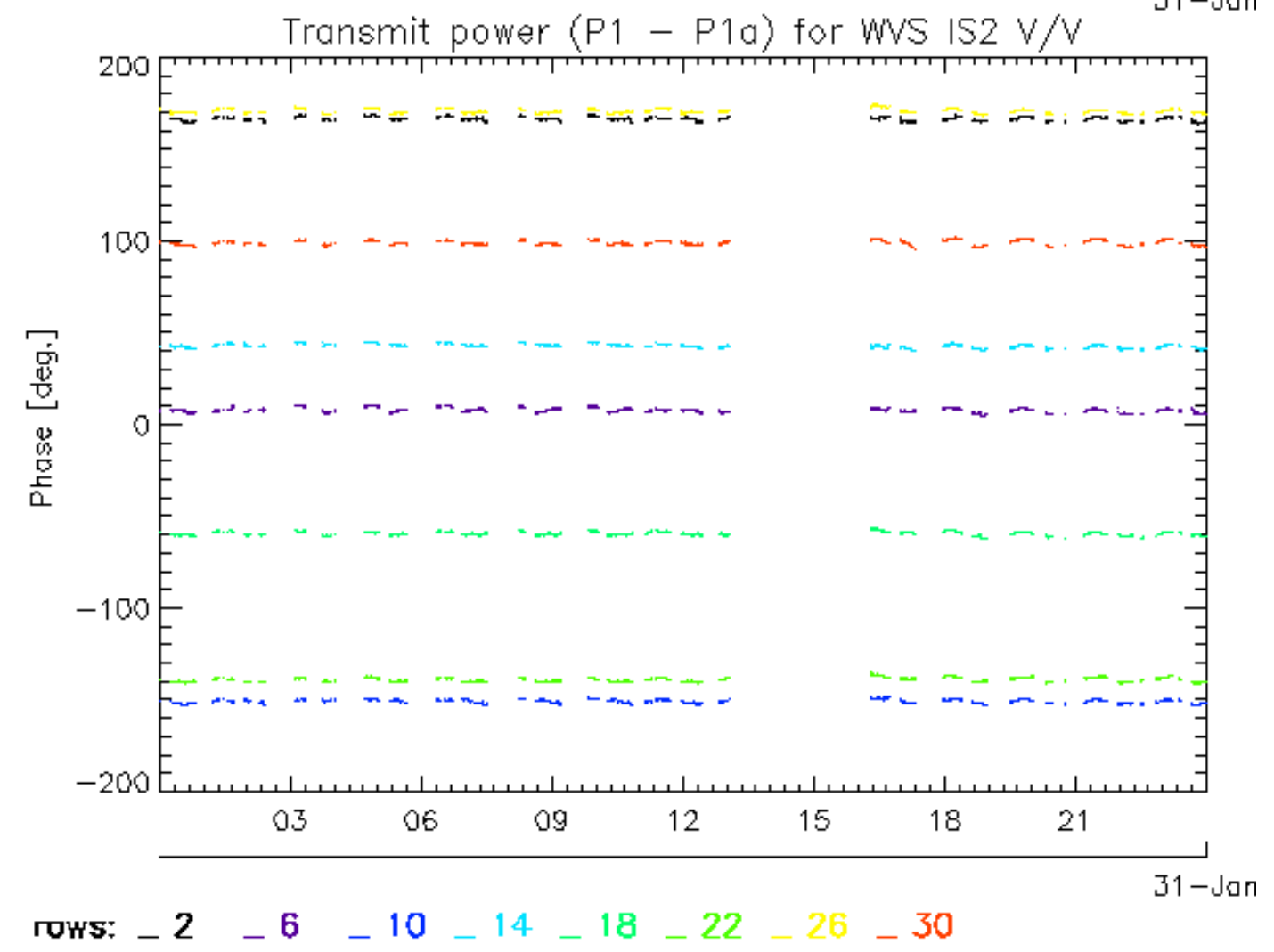
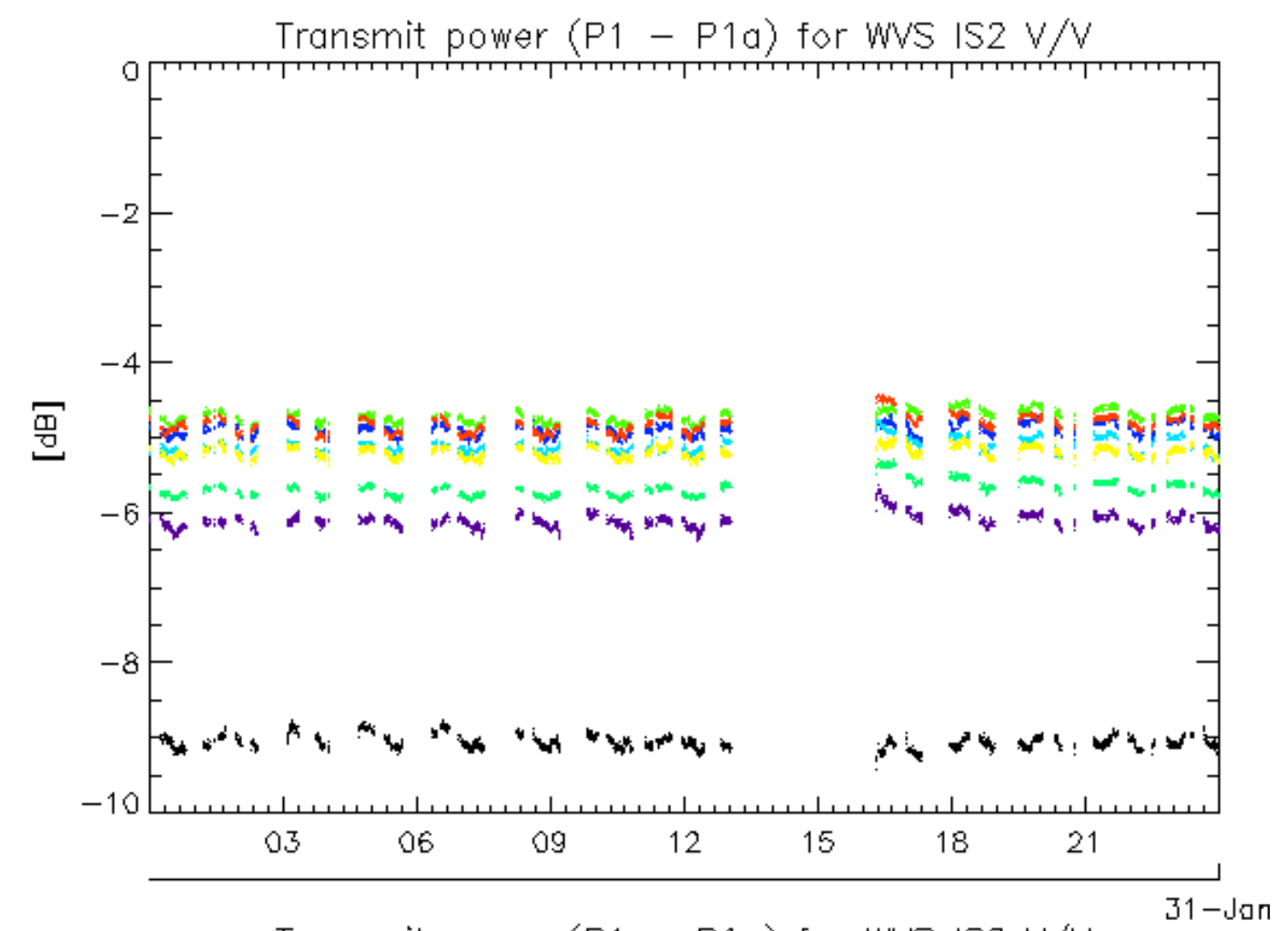
rows: _ 2 _ 6 _ 10 _ 14 _ 18 _ 22 _ 26 _ 30

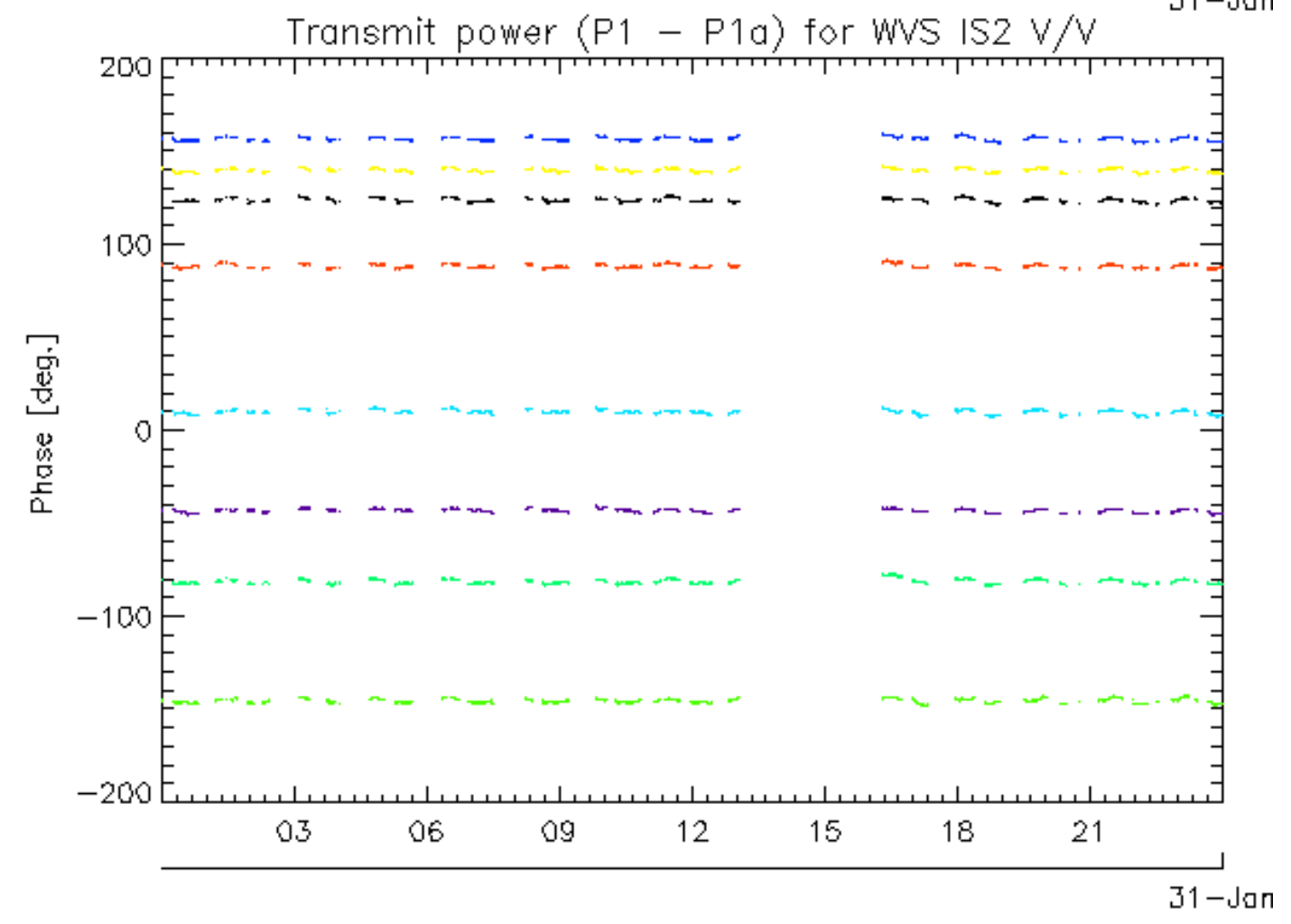
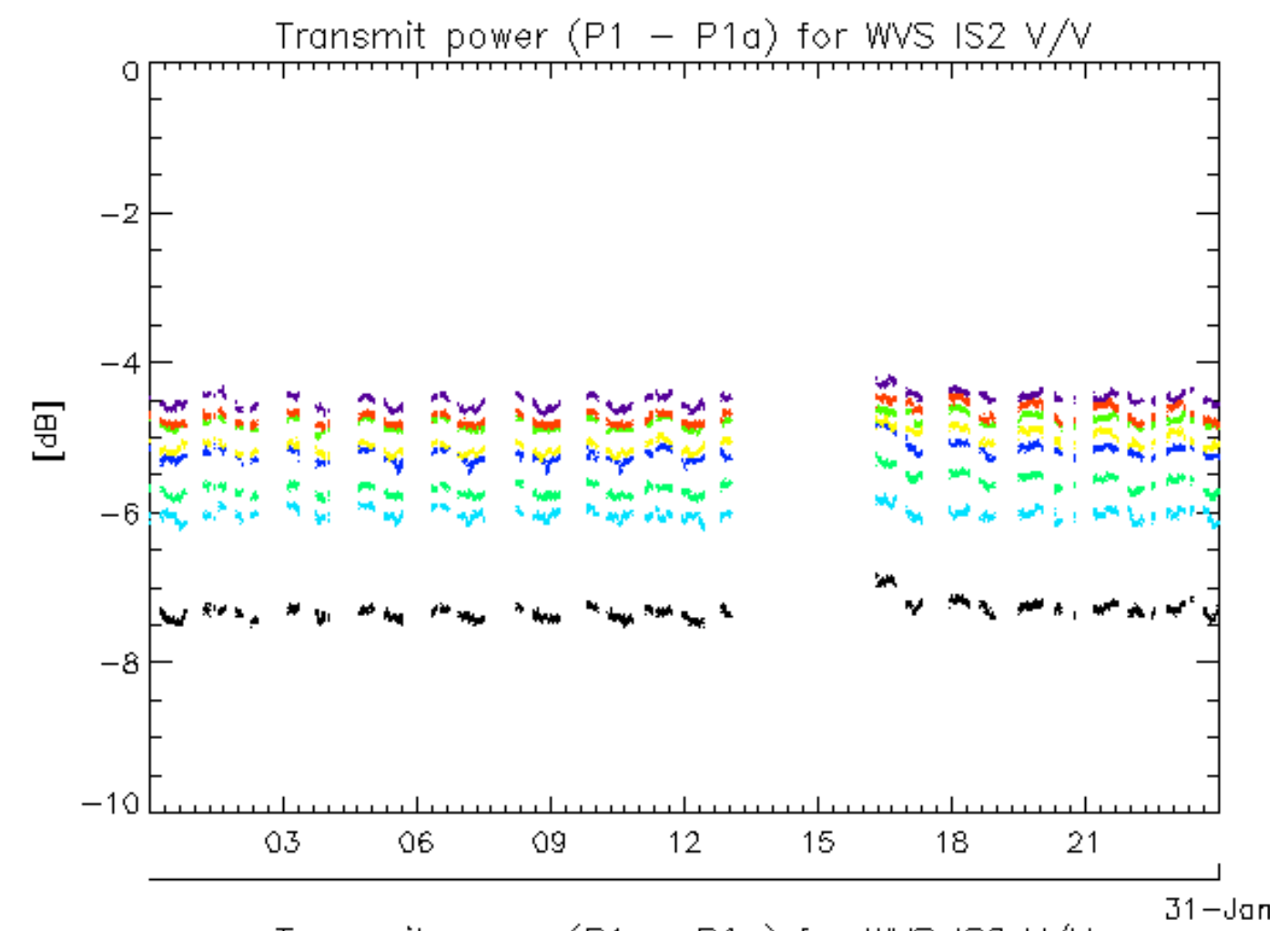




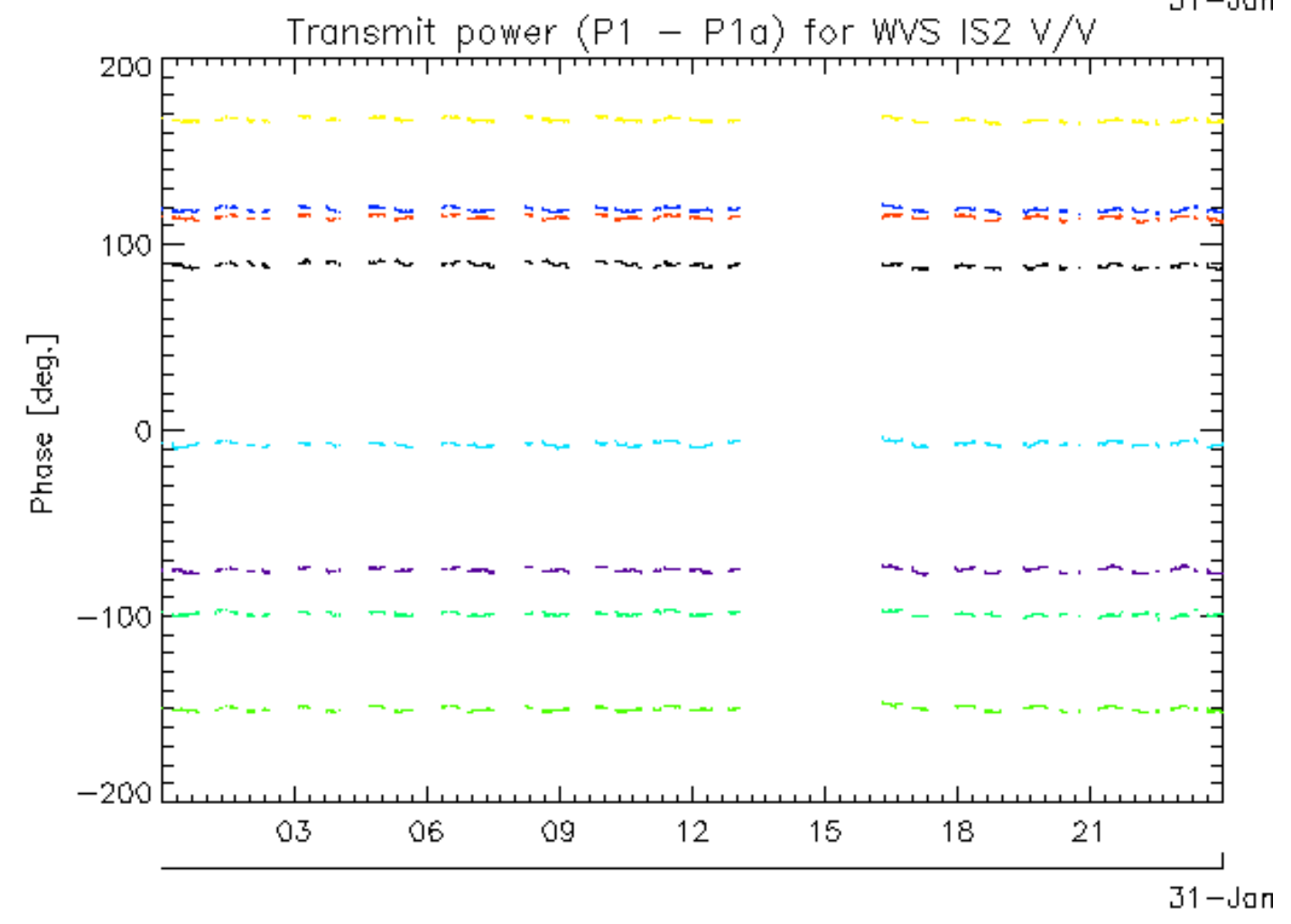
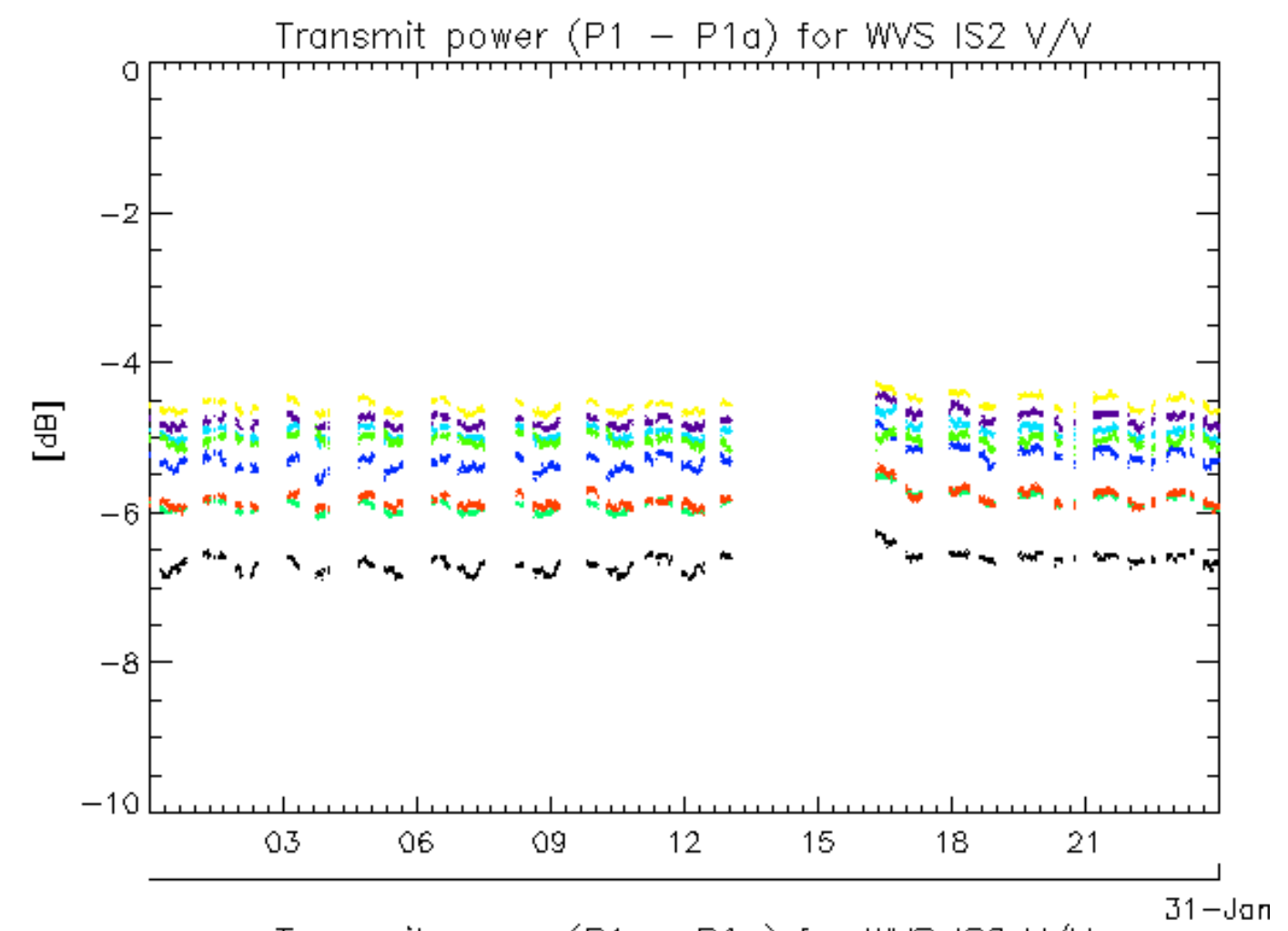


rows: _ 1 _ 5 _ 9 _ 13 _ 17 _ 21 _ 25 _ 29

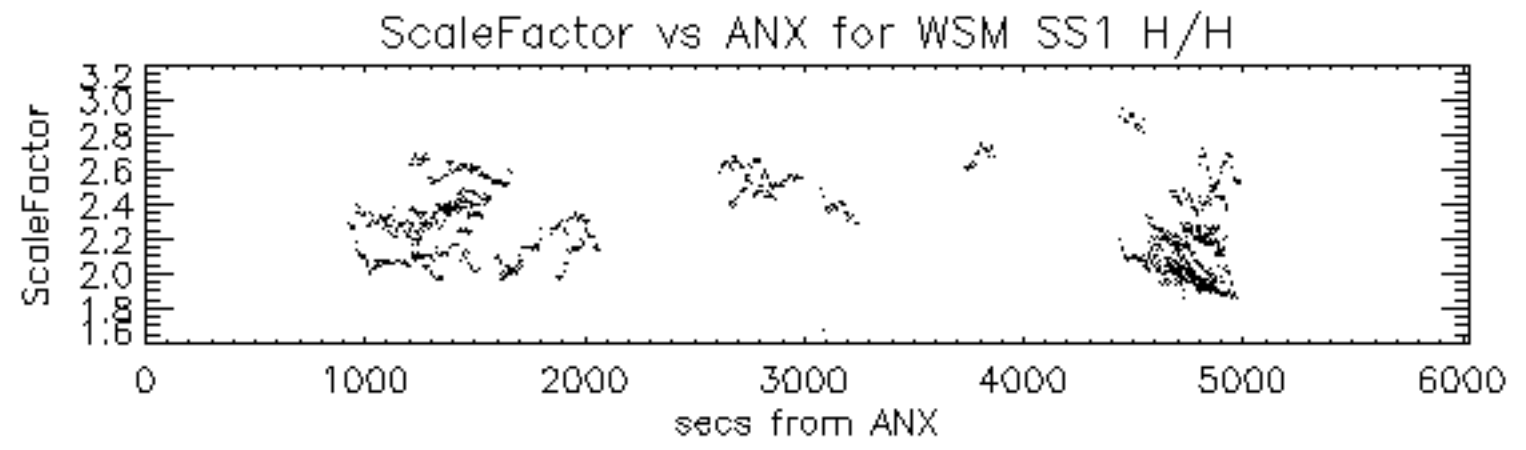


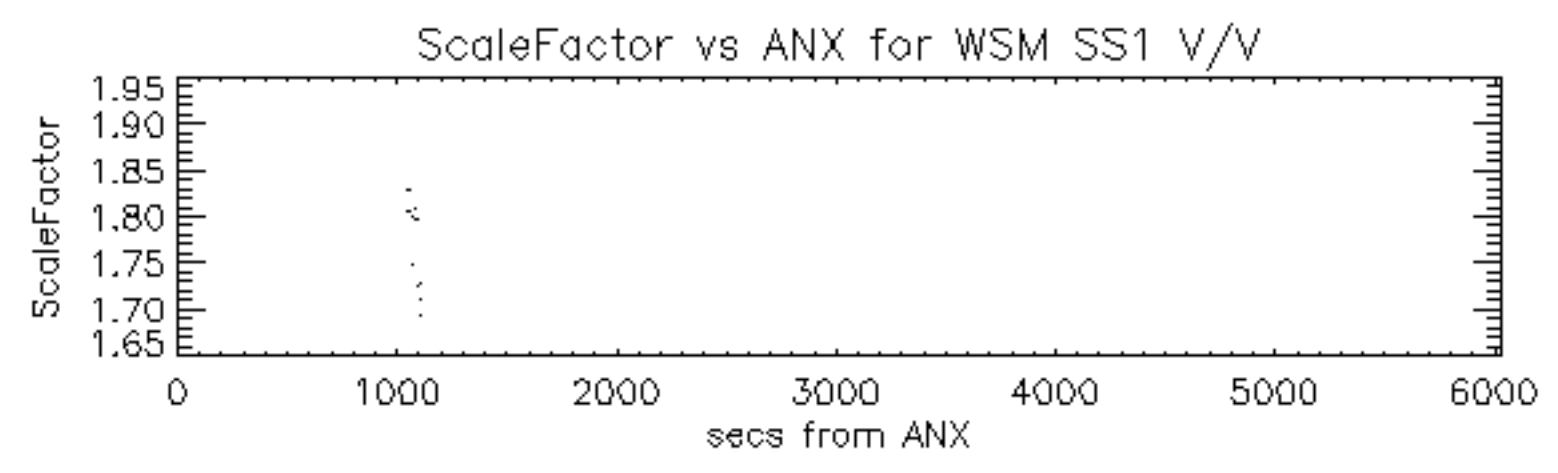


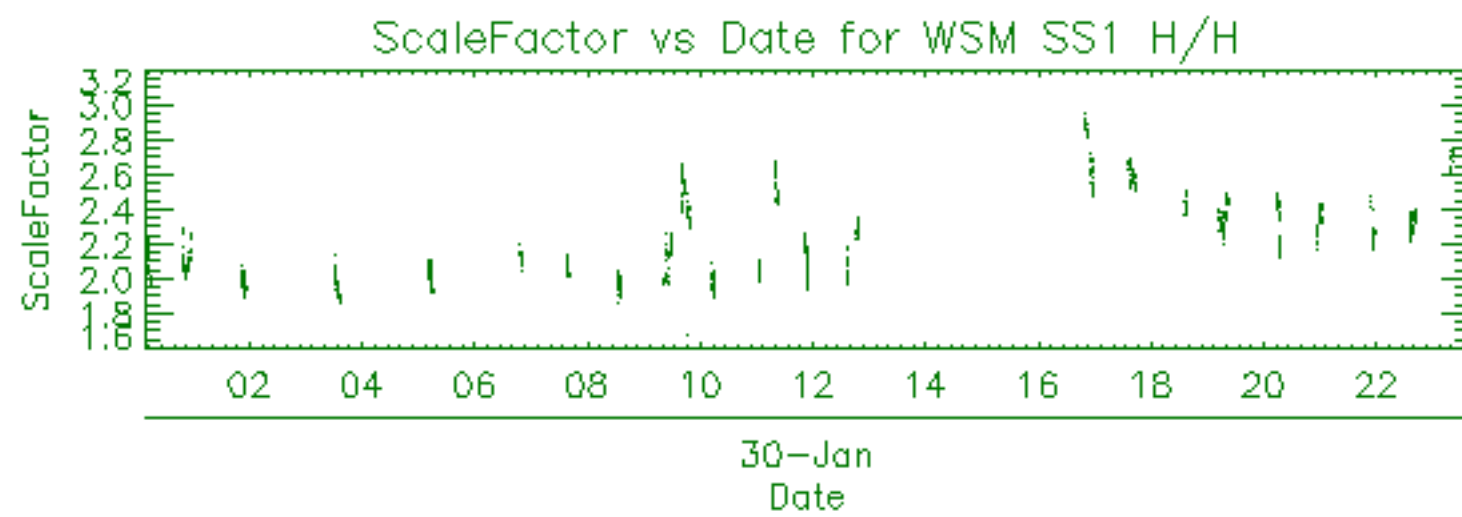
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 23 _ 27 _ 31

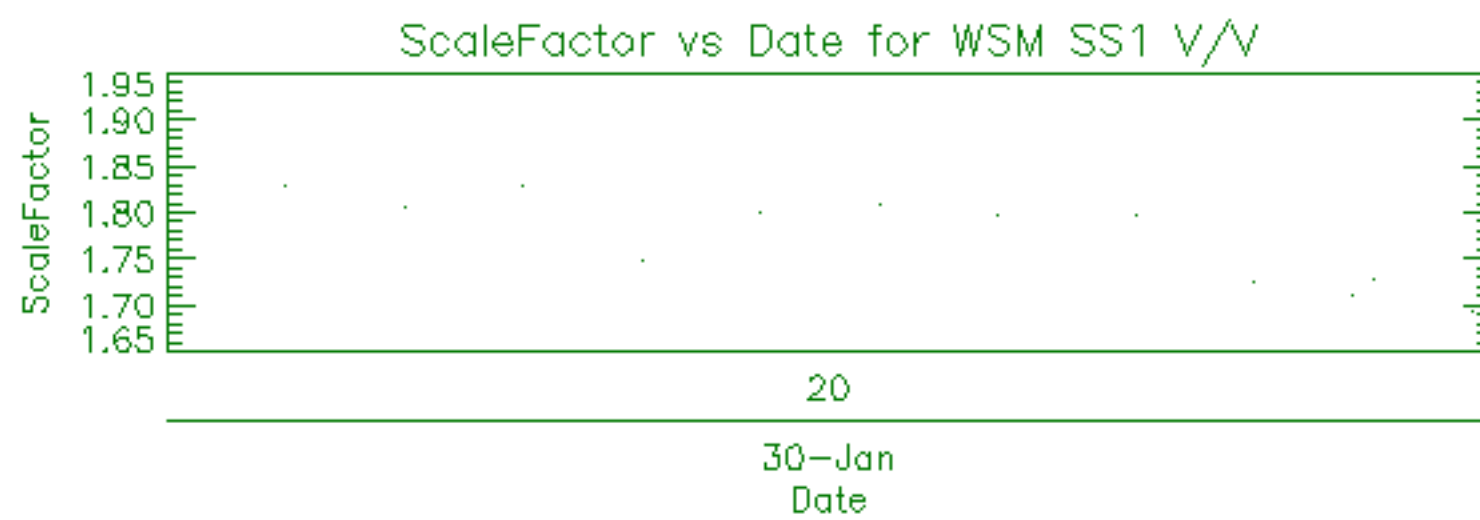


rows: _ 4 _ 8 _ 12 _ 16 _ 20 _ 24 _ 28 _ 32









Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20110130_023445_000000423099_00061_46627_5543.N1						IS1	H/H	99	46627	61	5.04
ASA_APM_1PNPDE20110130_093448_000000433099_00065_46631_5623.N1						IS1	H/H	99	46631	65	5.04
ASA_APM_1PNPDE20110130_162050_000000443099_00069_46635_5693.N1						IS4	V/H	99	46635	69	5.04

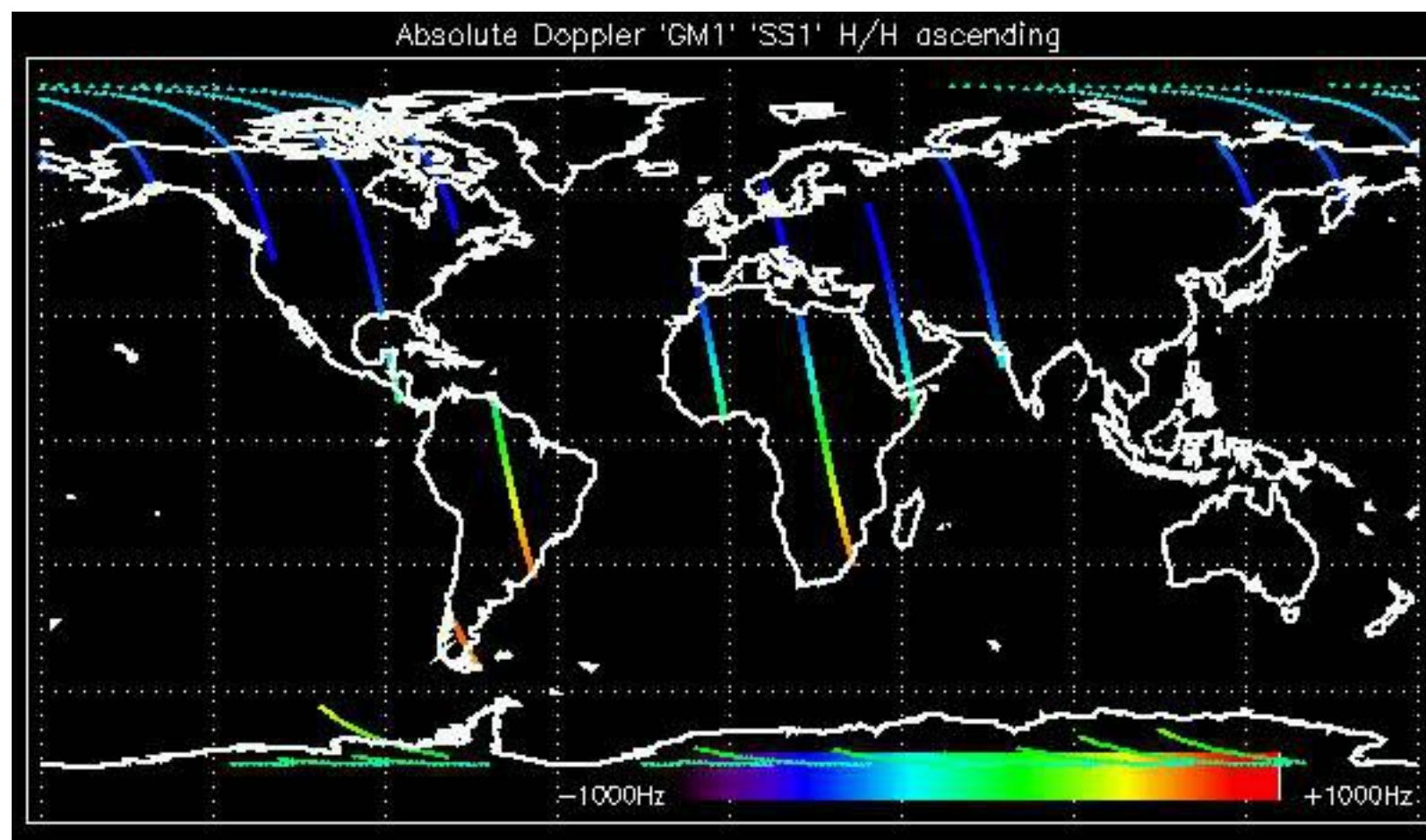
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20110130_000212_000004283099_00059_46625_5501.N1						SS1	H/H	99	46625	59	5.04
ASA_GM1_1PNPDE20110130_005839_000007853099_00060_46626_5519.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_012131_000003263099_00060_46626_5521.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_012836_000003143099_00060_46626_5530.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_012836_000003143099_00060_46626_5525.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_012836_000003143099_00060_46626_5527.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_014227_000005673099_00060_46626_5533.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_020435_000007313099_00060_46626_5541.N1						SS1	H/H	99	46626	60	5.04
ASA_GM1_1PNPDE20110130_022814_000003923099_00061_46627_5548.N1						SS1	H/H	99	46627	61	5.04
ASA_GM1_1PNPDE20110130_023549_000008703099_00061_46627_5547.N1						SS1	H/H	99	46627	61	5.04
ASA_GM1_1PNPDE20110130_025737_000004473099_00061_46627_5542.N1						SS1	H/H	99	46627	61	5.04
ASA_GM1_1PNPDE20110130_032242_000004653099_00061_46627_5565.N1						SS1	H/H	99	46627	61	5.04
ASA_GM1_1PNPDE20110130_033821_000002053099_00061_46627_5564.N1						SS1	H/H	99	46627	61	5.04
ASA_GM1_1PNPDE20110130_035639_000002053099_00062_46628_5563.N1						SS1	H/H	99	46628	62	5.04
ASA_GM1_1PNPDE20110130_040216_000018133099_00062_46628_5566.N1						SS1	H/H	99	46628	62	5.04
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ASA_GM1_1PNPDE20110130_061835_000001023099_00063_46629_5587.N1						SS1	H/H	99	46629	63	5.04
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ASA_GM1_1PNPDK20110130_164432_000003083099_00069_46635_4637.N1						SS1	H/H	99	46635	69	5.04
ASA_GM1_1PNPDK20110130_165202_000002173099_00069_46635_4639.N1						SS1	H/H	99	46635	69	5.04
ASA_GM1_1PNPDK20110130_172052_000009063099_00070_46636_4641.N1						SS1	H/H	99	46636	70	5.04
ASA_GM1_1PNPDK20110130_173443_000000723099_00070_46636_4663.N1						SS1	H/H	99	46636	70	5.04
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ASA_GM1_1PNPDK20110130_182447_000006283099_00070_46636_4667.N1						SS1	H/H	99	46636	70	5.04
ASA_GM1_1PNPDK20110130_185737_000008703099_00071_46637_4669.N1						SS1	H/H	99	46637	71	5.04
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ASA_GM1_1PNPDE20110130_221803_000006283099_00073_46639_5728.N1						SS1	H/H	99	46639	73	5.04
ASA_GM1_1PNPDE20110130_224223_000004473099_00073_46639_5727.N1						SS1	H/H	99	46639	73	5.04
ASA_GM1_1PNPDE20110130_231410_000001263099_00073_46639_5726.N1						SS1	H/H	99	46639	73	5.04
ASA_GM1_1PNPDE20110130_231623_000000963099_00073_46639_5723.N1						SS1	H/H	99	46639	73	5.04
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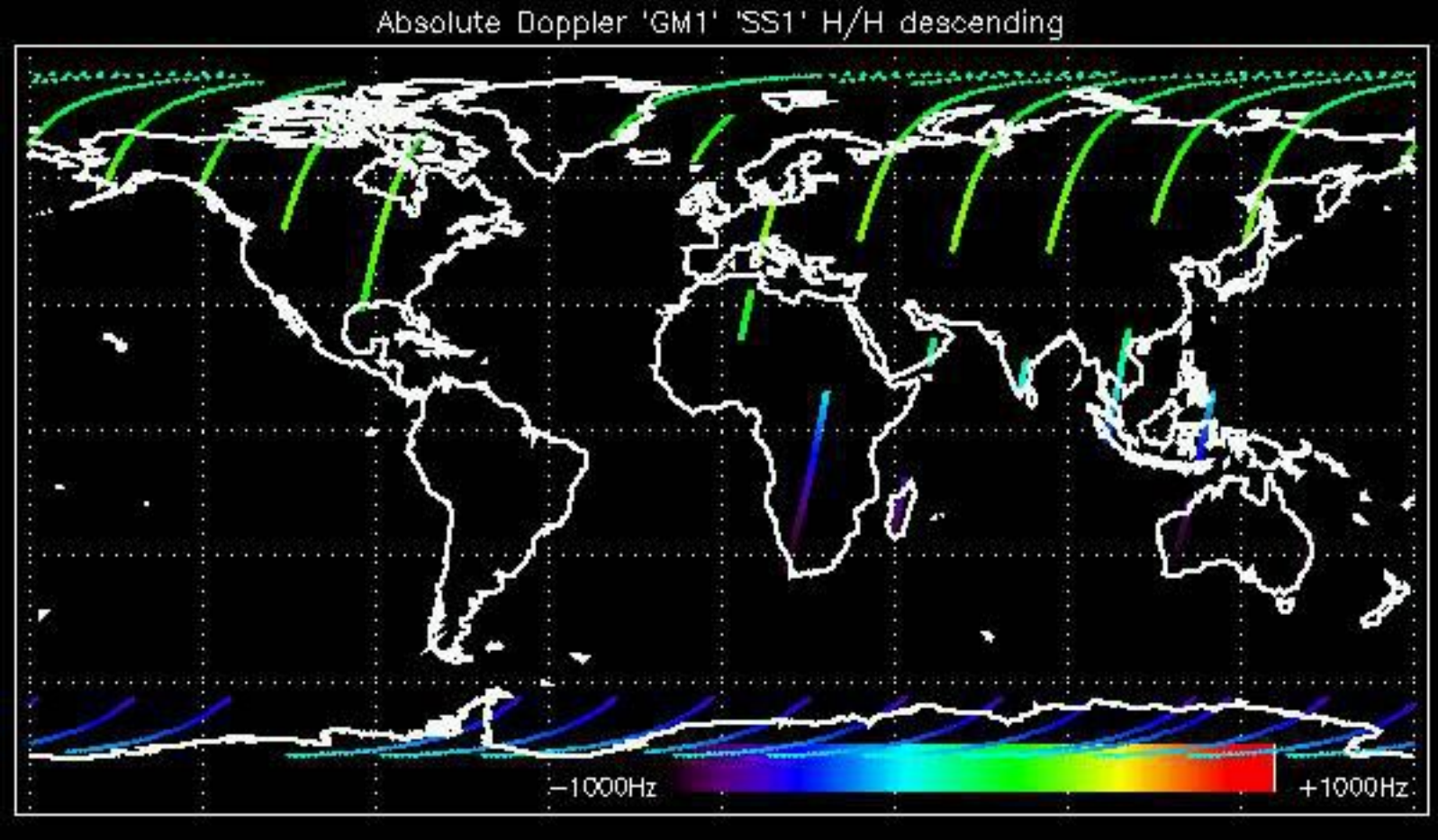
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ASA_IMM_1PNPDE20110130_043230_000004233099_00062_46628_5560.N1						IS6	H/H	99	46628	62	5.04
ASA_IMM_1PNPDE20110130_054133_000002793099_00063_46629_5581.N1						IS6	H/H	99	46629	63	5.04
ASA_IMM_1PNPDE20110130_061244_000003393099_00063_46629_5582.N1						IS6	H/H	99	46629	63	5.04
ASA_IMM_1PNPDE20110130_075207_000000373099_00064_46630_5601.N1						IS1	V/V	99	46630	64	5.04
ASA_IMM_1PNPDE20110130_075301_000002753099_00064_46630_5602.N1						IS6	H/H	99	46630	64	5.04
ASA_IMM_1PNPDE20110130_075814_000002373099_00064_46630_5603.N1						IS6	H/H	99	46630	64	5.04
ASA_IMM_1PNPDE20110130_174446_000000393099_00070_46636_5697.N1						IS2	V/V	99	46636	70	5.04
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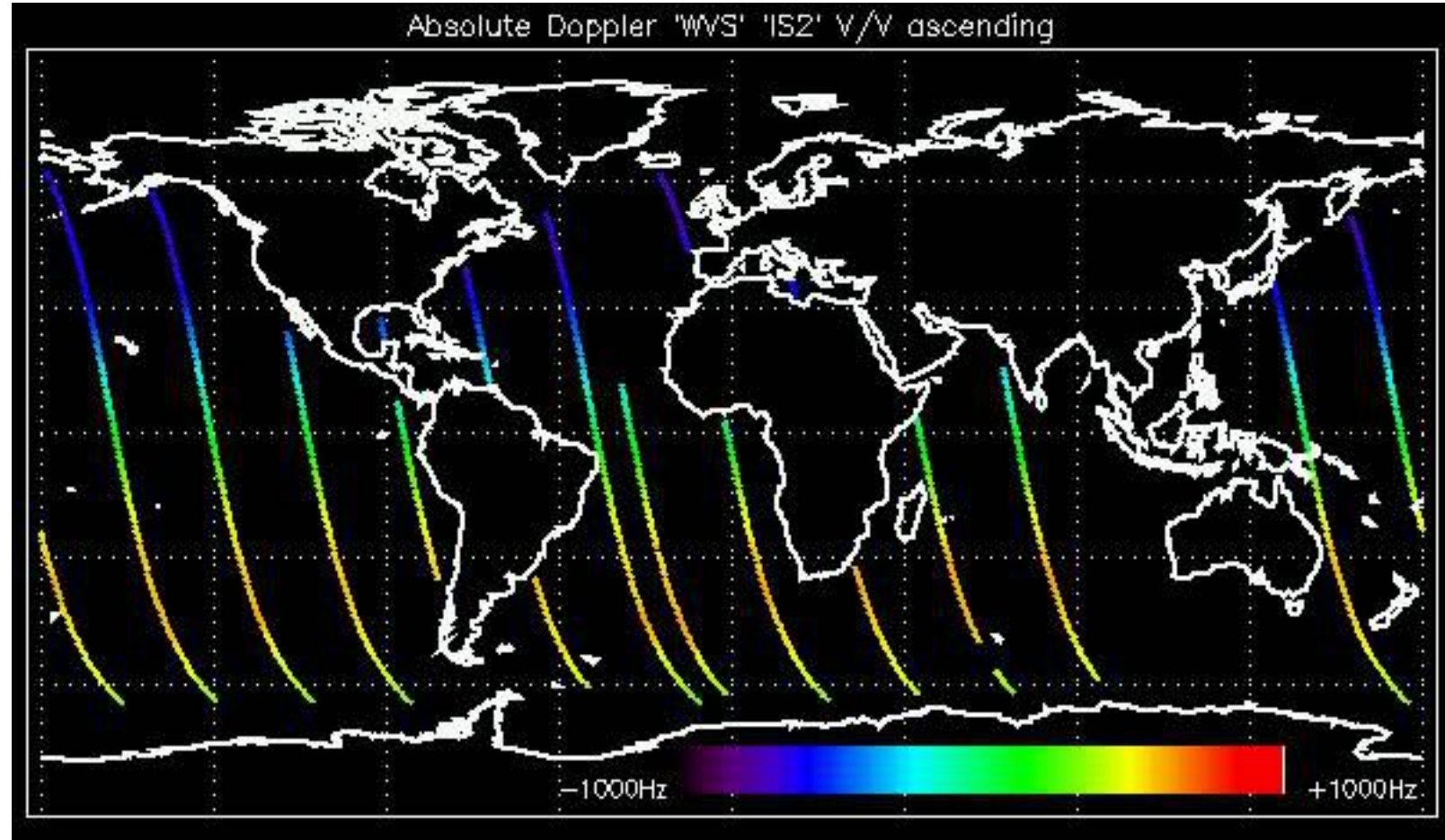
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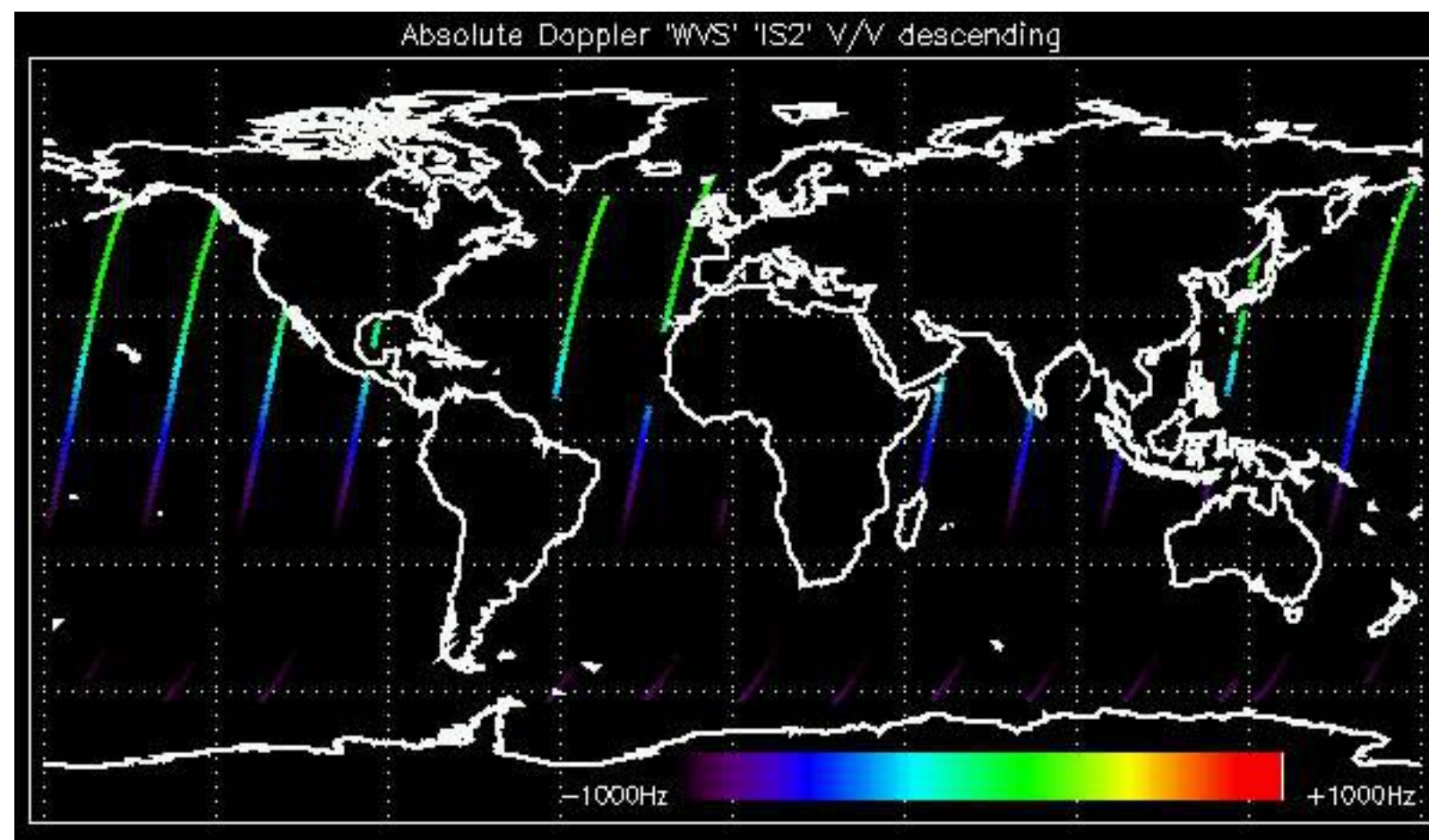
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ASA_WSM_1PNPDE20110130_015155_000002753099_00060_46626_5523.N1						SS1	H/H	99	46626	60	5.04
ASA_WSM_1PNPDE20110130_033033_000003923099_00061_46627_5558.N1						SS1	H/H	99	46627	61	5.04
ASA_WSM_1PNPDE20110130_050946_000003363099_00062_46628_5580.N1						SS1	H/H	99	46628	62	5.04
ASA_WSM_1PNPDK20110130_064821_000001903099_00063_46629_4500.N1						SS1	H/H	99	46629	63	5.04
ASA_WSM_1PNPDK20110130_073833_000001043099_00064_46630_4492.N1						SS1	H/H	99	46630	64	5.04
ASA_WSM_1PNPDK20110130_083155_000002693099_00064_46630_4483.N1						SS1	H/H	99	46630	64	5.04
ASA_WSM_1PNPDE20110130_092140_000002143099_00065_46631_5620.N1						SS1	H/H	99	46631	65	5.04
ASA_WSM_1PNPDK20110130_092601_000002143099_00065_46631_4485.N1						SS1	H/H	99	46631	65	5.04
ASA_WSM_1PNPDE20110130_093906_000003493099_00065_46631_5625.N1						SS1	H/H	99	46631	65	5.04
ASA_WSM_1PNPDE20110130_094606_000001903099_00065_46631_5627.N1						SS1	H/H	99	46631	65	5.04
ASA_WSM_1PNPDE20110130_101143_000002693099_00065_46631_5639.N1						SS1	H/H	99	46631	65	5.04
ASA_WSM_1PNPDK20110130_110134_000001533099_00066_46632_4540.N1						SS1	H/H	99	46632	66	5.04
ASA_WSM_1PNPDE20110130_111835_000002753099_00066_46632_5640.N1						SS1	H/H	99	46632	66	5.04
ASA_WSM_1PNPDK20110130_115110_000002753099_00066_46632_4575.N1						SS1	H/H	99	46632	66	5.04
ASA_WSM_1PNPDK20110130_115110_000002753099_00066_46632_4573.N1						SS1	H/H	99	46632	66	5.04
ASA_WSM_1PNPDK20110130_123533_000001593099_00067_46633_4581.N1						SS1	H/H	99	46633	67	5.04
ASA_WSM_1PNPDK20110130_124559_000001903099_00067_46633_4582.N1						SS1	H/H	99	46633	67	5.04
ASA_WSM_1PNPDE20110130_164946_000001283099_00069_46635_5692.N1						SS1	H/H	99	46635	69	5.04
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ASA_WSM_1PNPDK20110130_173603_000002693099_00070_46636_4649.N1						SS1	H/H	99	46636	70	5.04
ASA_WSM_1PNPDE20110130_173930_000002753099_00070_46636_5694.N1						SS1	H/H	99	46636	70	5.04
ASA_WSM_1PNPDE20110130_183551_000001533099_00070_46636_5698.N1						SS1	H/H	99	46636	70	5.04
ASA_WSM_1PNPDK20110130_191208_000001903099_00071_46637_4676.N1						SS1	H/H	99	46637	71	5.04
ASA_WSM_1PNPDK20110130_191615_000002083099_00071_46637_4677.N1						SS1	H/H	99	46637	71	5.04
ASA_WSM_1PNPDE20110130_191902_000002203099_00071_46637_5701.N1						SS1	H/H	99	46637	71	5.04
ASA_WSM_1PNPDE20110130_201433_000002393099_00071_46637_5702.N1						SS1	H/H	99	46637	71	5.04
ASA_WSM_1PNPDK20110130_205349_000000923099_00072_46638_4698.N1						SS1	V/V	99	46638	72	5.04
ASA_WSM_1PNPDK20110130_205349_000000923099_00072_46638_4700.N1						SS1	V/V	99	46638	72	5.04
ASA_WSM_1PNPDE20110130_205617_000003923099_00072_46638_5708.N1						SS1	H/H	99	46638	72	5.04
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ASA_WSM_1PNPDE20110130_215414_000002453099_00072_46638_5703.N1						SS1	H/H	99	46638	72	5.04
ASA_WSM_1PNPDK20110130_223446_000002083099_00073_46639_4721.N1						SS1	H/H	99	46639	73	5.04
ASA_WSM_1PNPDE20110130_223846_000002143099_00073_46639_5719.N1						SS1	H/H	99	46639	73	5.04
ASA_WSM_1PNPDE20110130_231856_000001533099_00073_46639_5720.N1						SS1	H/H	99	46639	73	5.04
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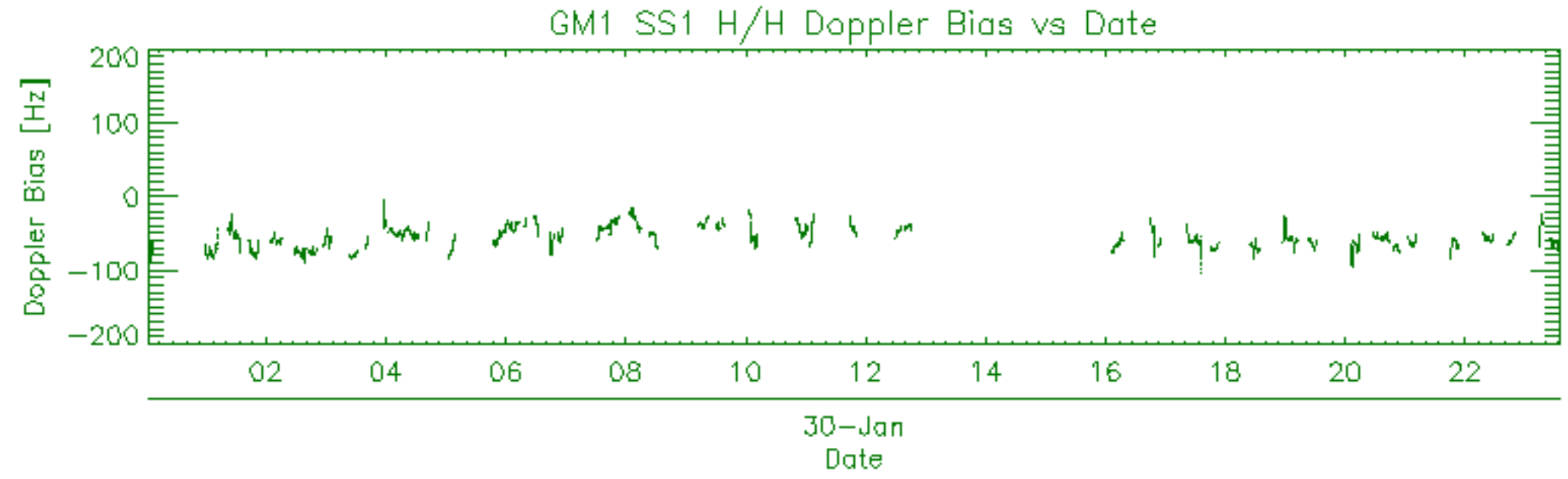
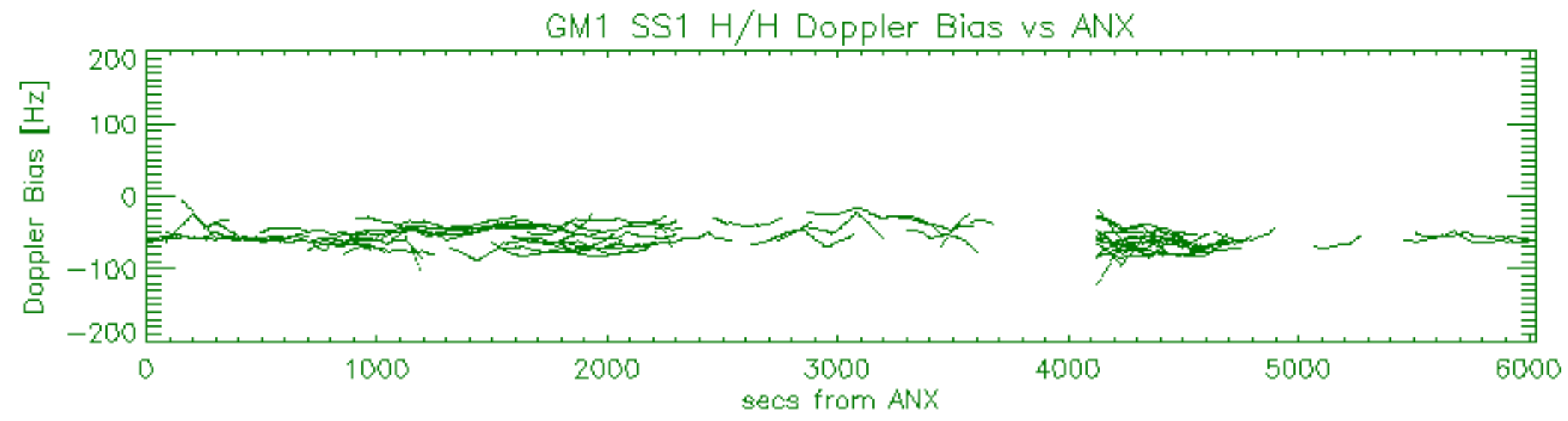
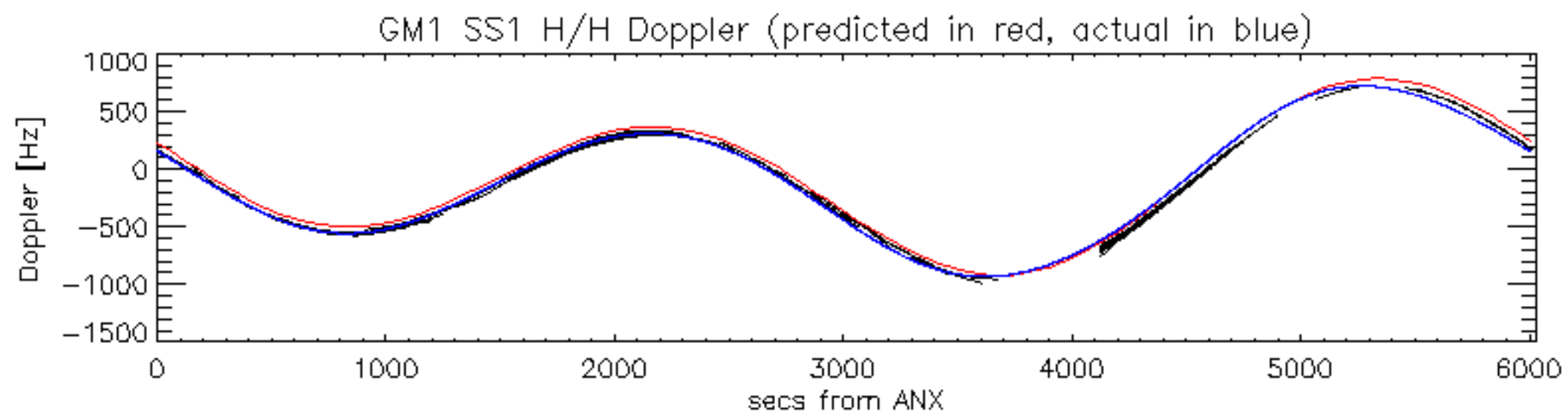
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ASA_WVS_1PNPDE20110130_001503_000005253099_00059_46625_5500.N1						IS2	V/V	99	46625	59	5.04
ASA_WVS_1PNPDE20110130_002249_000015293099_00059_46625_5518.N1						IS2	V/V	99	46625	59	5.04
ASA_WVS_1PNPDE20110130_011148_000000893099_00060_46626_5517.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_011516_000003343099_00060_46626_5522.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_012702_000000443099_00060_46626_5520.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_013353_000004653099_00060_46626_5526.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_013353_000004653099_00060_46626_5529.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_013353_000004653099_00060_46626_5524.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_015626_000001643099_00060_46626_5532.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_015826_000003303099_00060_46626_5540.N1						IS2	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_015626_000001643099_00060_46626_5532.N1						IS1	V/V	99	46626	60	5.04
ASA_WVS_1PNPDE20110130_021647_000004793099_00061_46627_5546.N1						IS2	V/V	99	46627	61	5.04
ASA_WVS_1PNPDE20110130_030507_000005253099_00061_46627_5545.N1						IS2	V/V	99	46627	61	5.04
ASA_WVS_1PNPDE20110130_031337_000004953099_00061_46627_5562.N1						IS2	V/V	99	46627	61	5.04
ASA_WVS_1PNPDE20110130_030507_000005253099_00061_46627_5545.N1						IS1	V/V	99	46627	61	5.04
ASA_WVS_1PNPDE20110130_034414_000007043099_00061_46627_5561.N1						IS2	V/V	99	46627	61	5.04
ASA_WVS_1PNPDE20110130_040007_000000893099_00062_46628_5567.N1						IS2	V/V	99	46628	62	5.04
ASA_WVS_1PNPDE20110130_044222_000008243099_00062_46628_5568.N1						IS2	V/V	99	46628	62	5.04
ASA_WVS_1PNPDE20110130_044222_000008243099_00062_46628_5570.N1						IS2	V/V	99	46628	62	5.04
ASA_WVS_1PNPDE20110130_045552_000003753099_00062_46628_5583.N1						IS2	V/V	99	46628	62	5.04
ASA_WVS_1PNPDE20110130_051546_000015143099_00062_46628_5586.N1						IS2	V/V	99	46628	62	5.04
ASA_WVS_1PNPDE20110130_062026_000004043099_00063_46629_5588.N1						IS2	V/V	99	46629	63	5.04
ASA_WVS_1PNPDE20110130_063200_000002253099_00063_46629_5591.N1						IS2	V/V	99	46629	63	5.04
ASA_WVS_1PNPDE20110130_063530_000004203099_00063_46629_4503.N1						IS2	V/V	99	46629	63	5.04
ASA_WVS_1PNPDK20110130_065609_000020693099_00063_46629_4501.N1						IS2	V/V	99	46629	63	5.04
ASA_WVS_1PNPDK20110130_081429_000004953099_00064_46630_4476.N1						IS2	V/V	99	46630	64	5.04
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ASA_WVS_1PNPDK20110130_162150_000013193099_00069_46635_4636.N1						IS2	V/V	99	46635	69	5.04
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ASA_WVS_1PNPDK20110130_170457_000009143099_00069_46635_4640.N1						IS2	V/V	99	46635	69	5.04
ASA_WVS_1PNPDK20110130_175731_000015893099_00070_46636_4666.N1						IS2	V/V	99	46636	70	5.04
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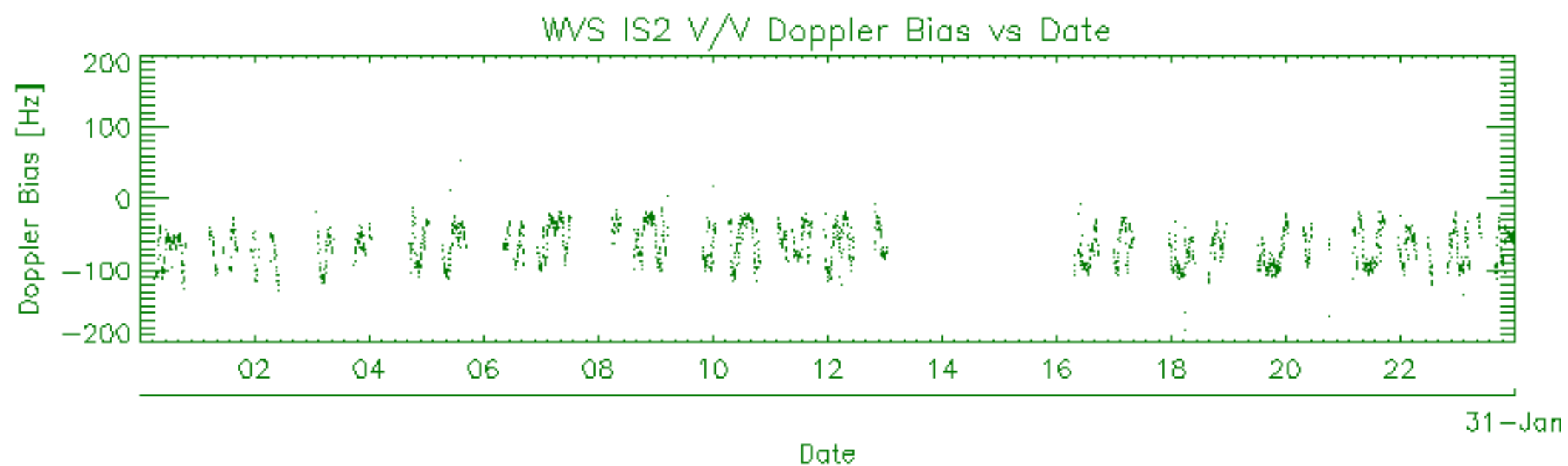
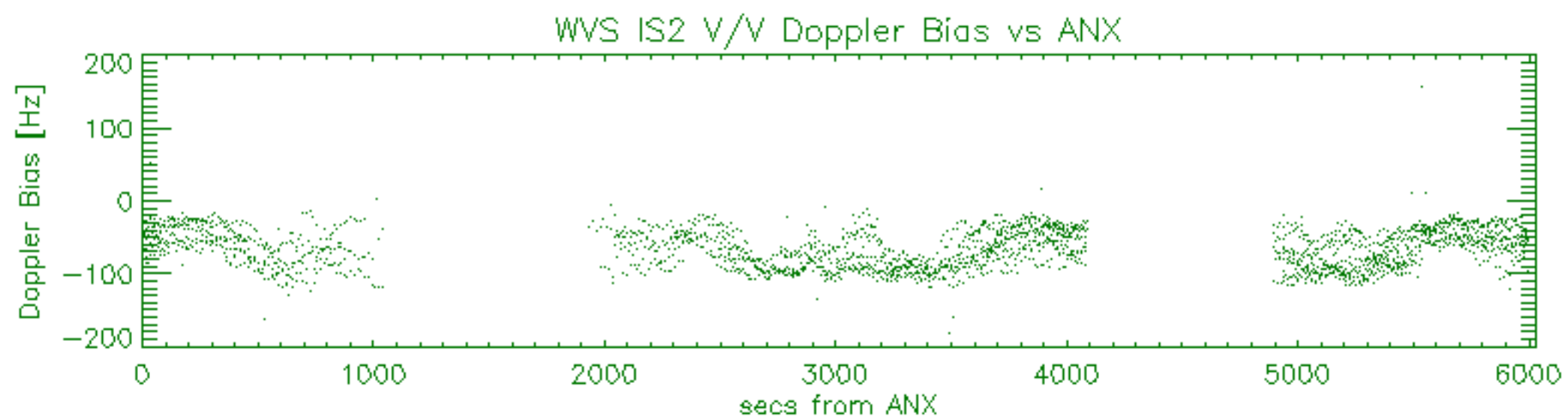
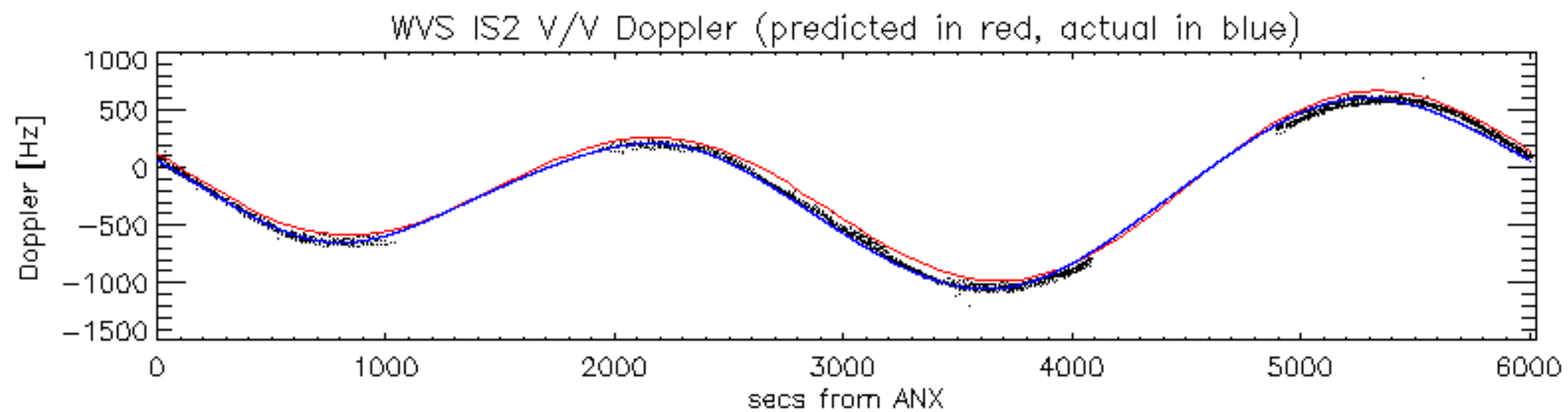


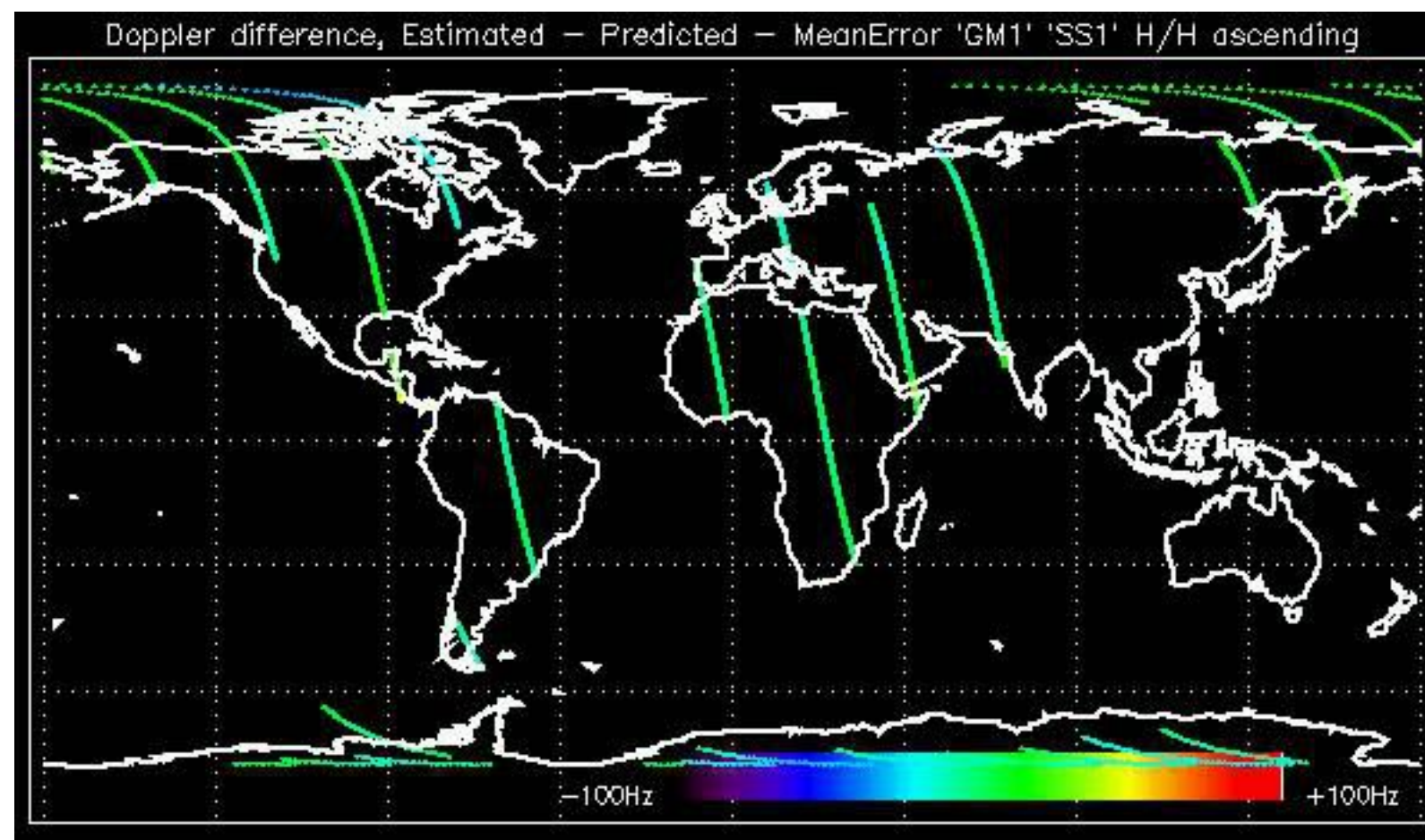


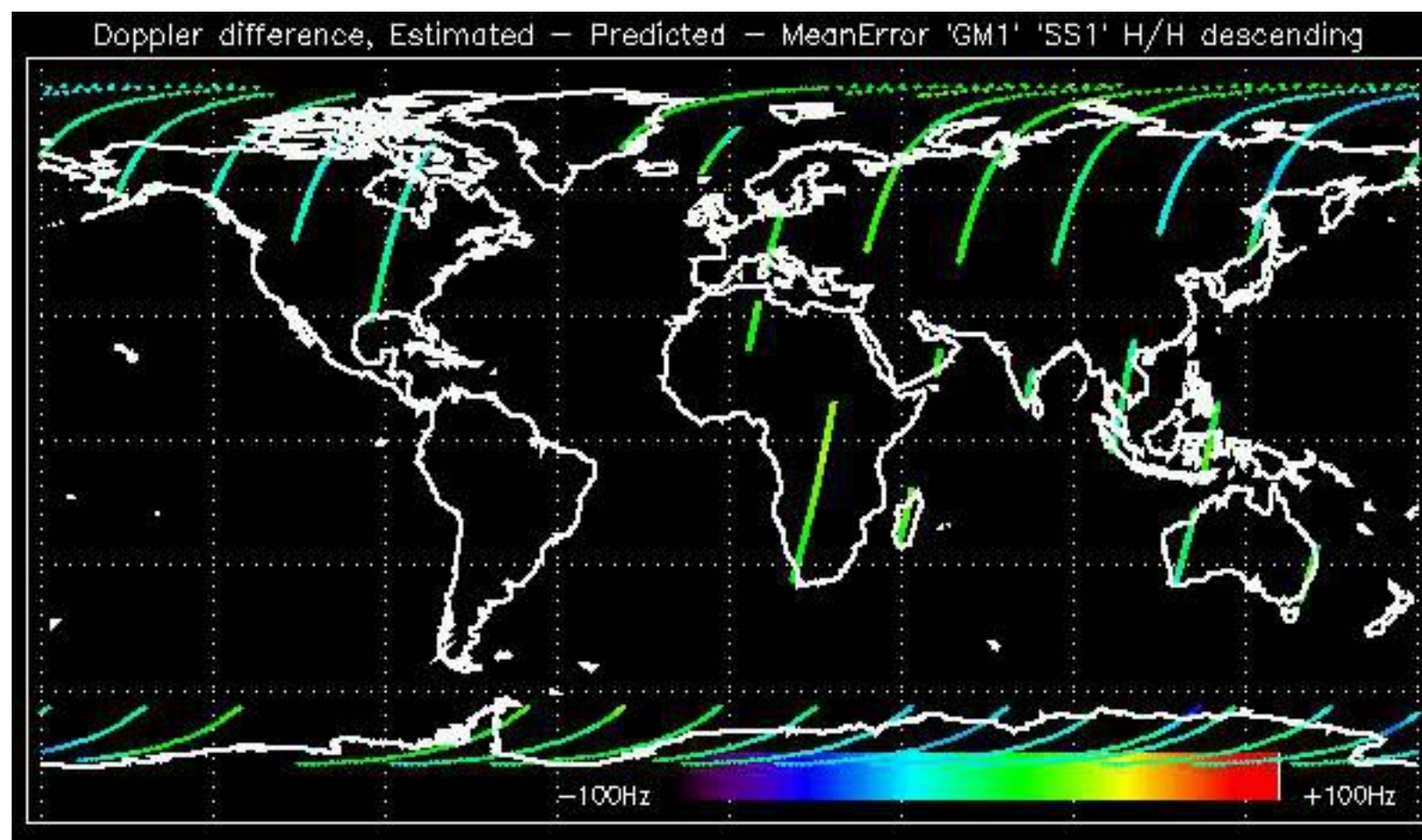


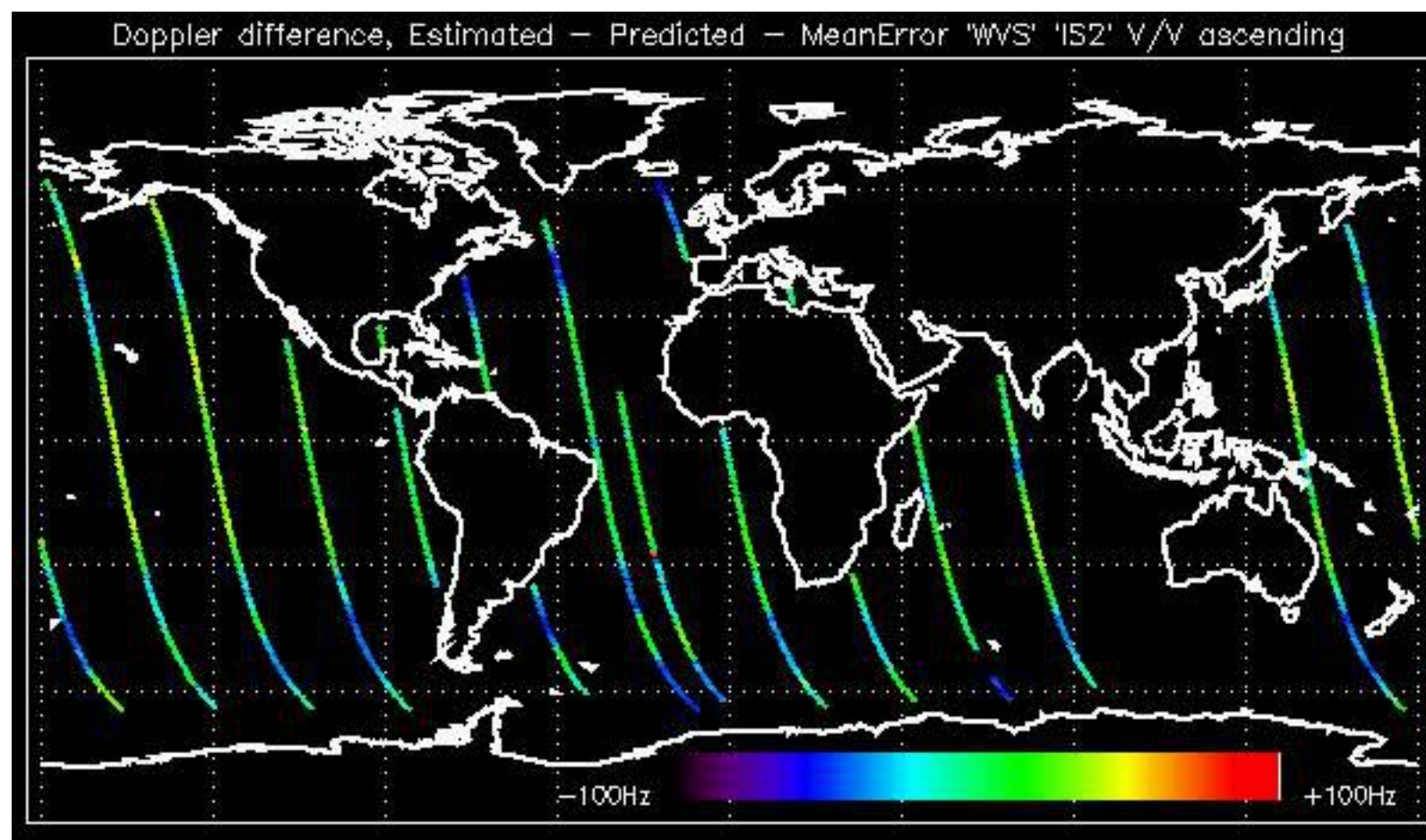


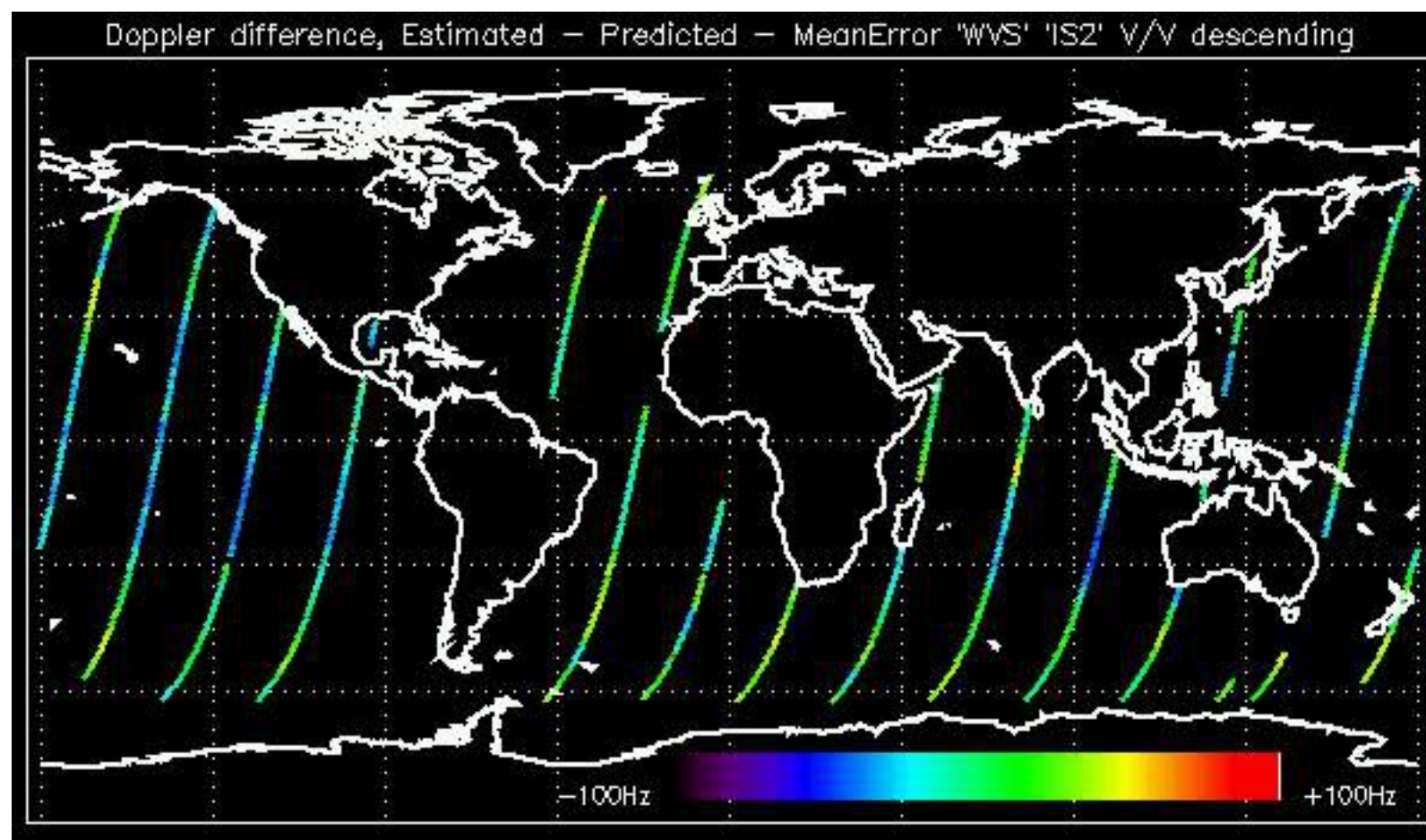


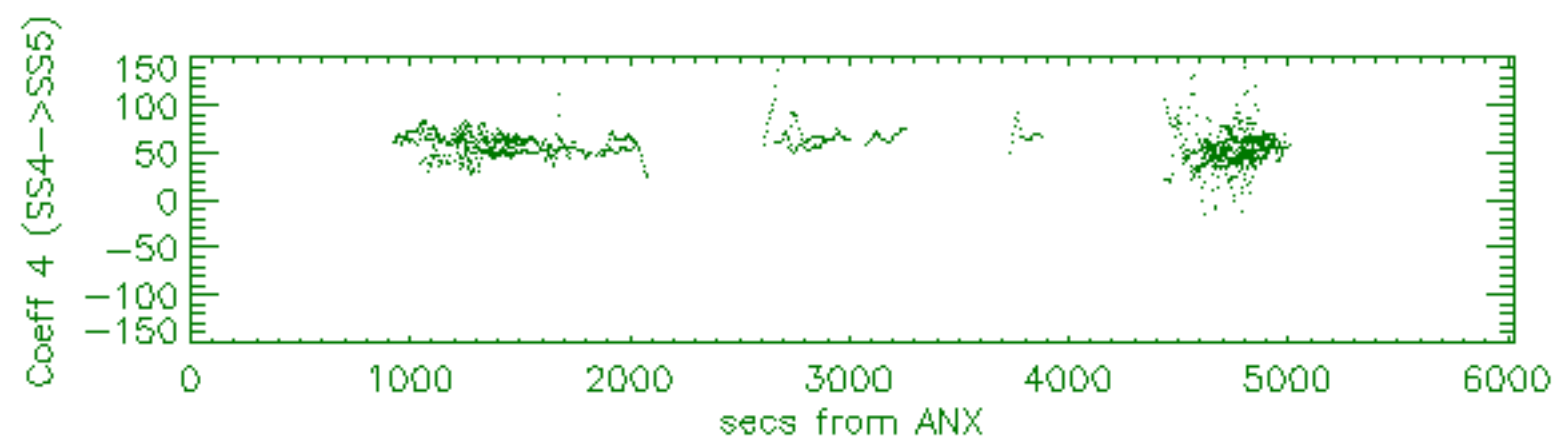
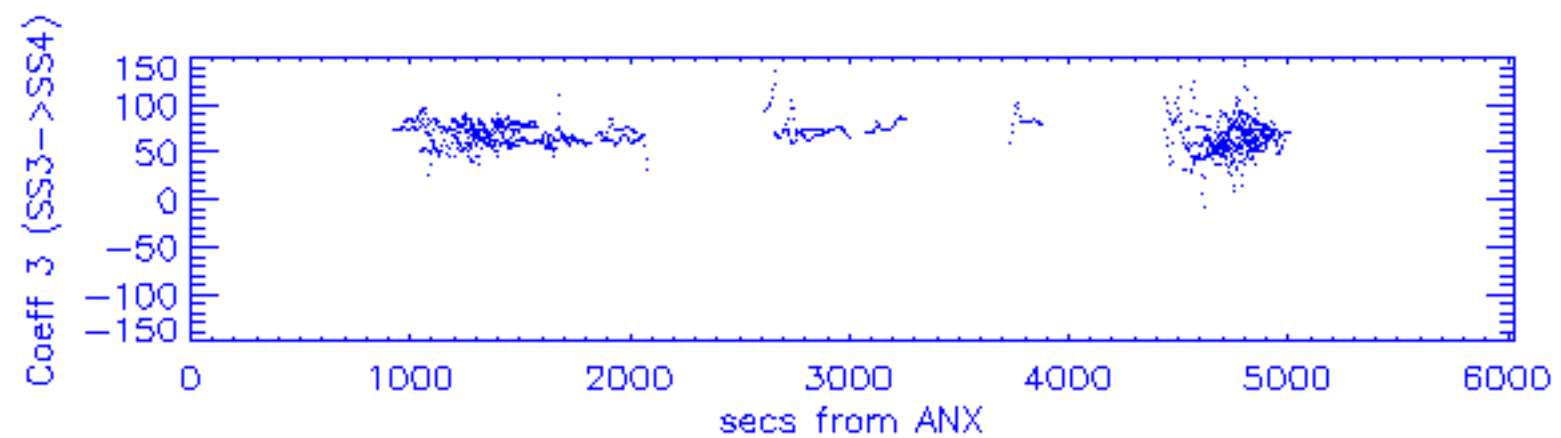
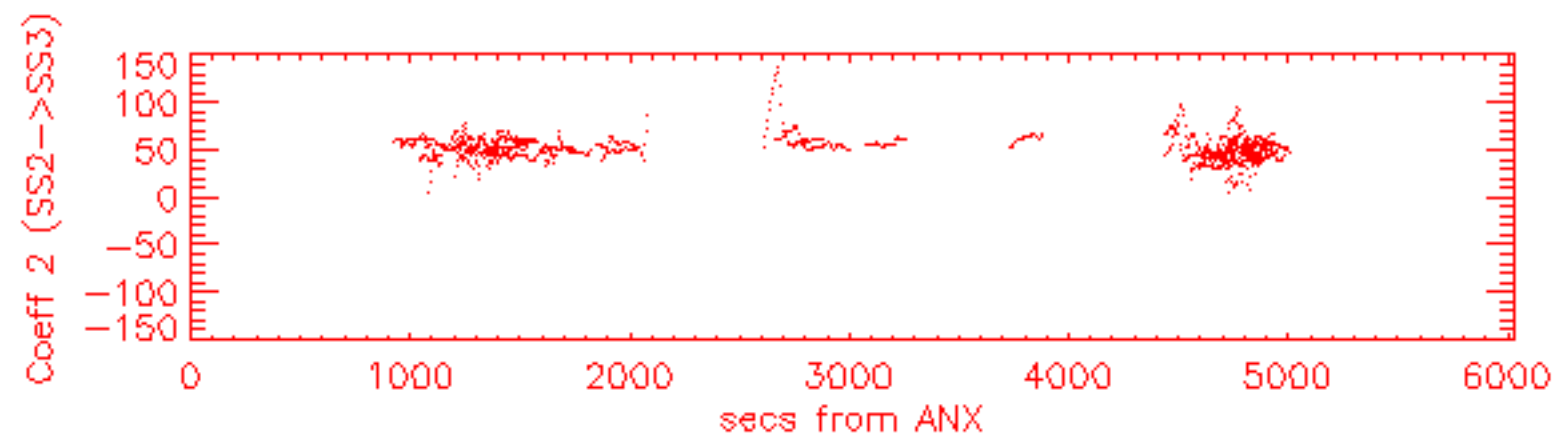
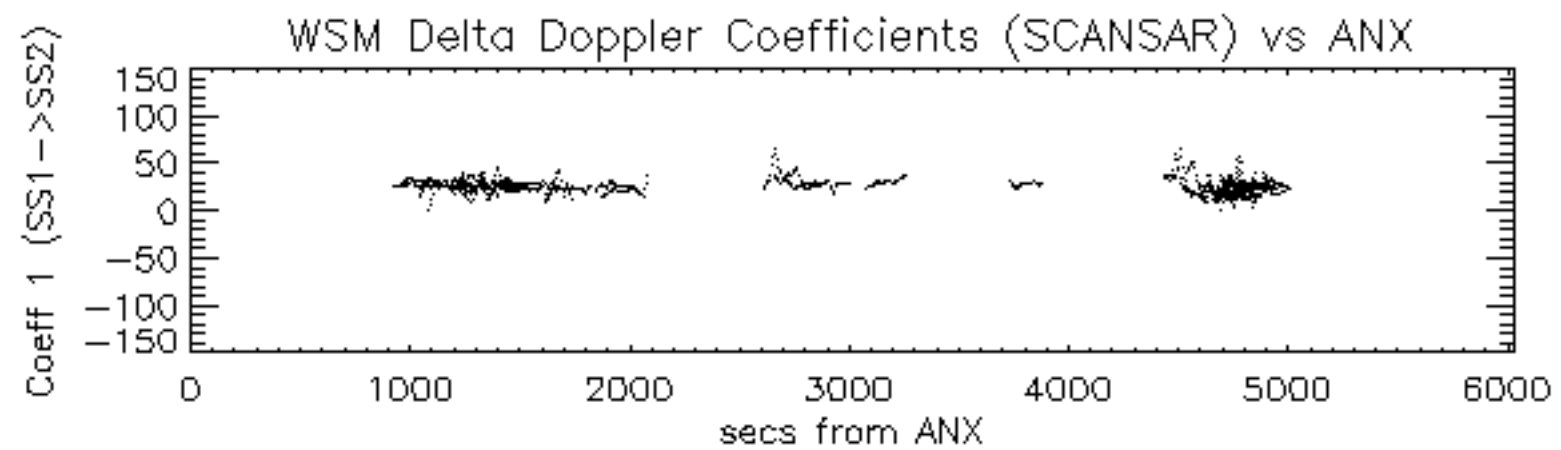


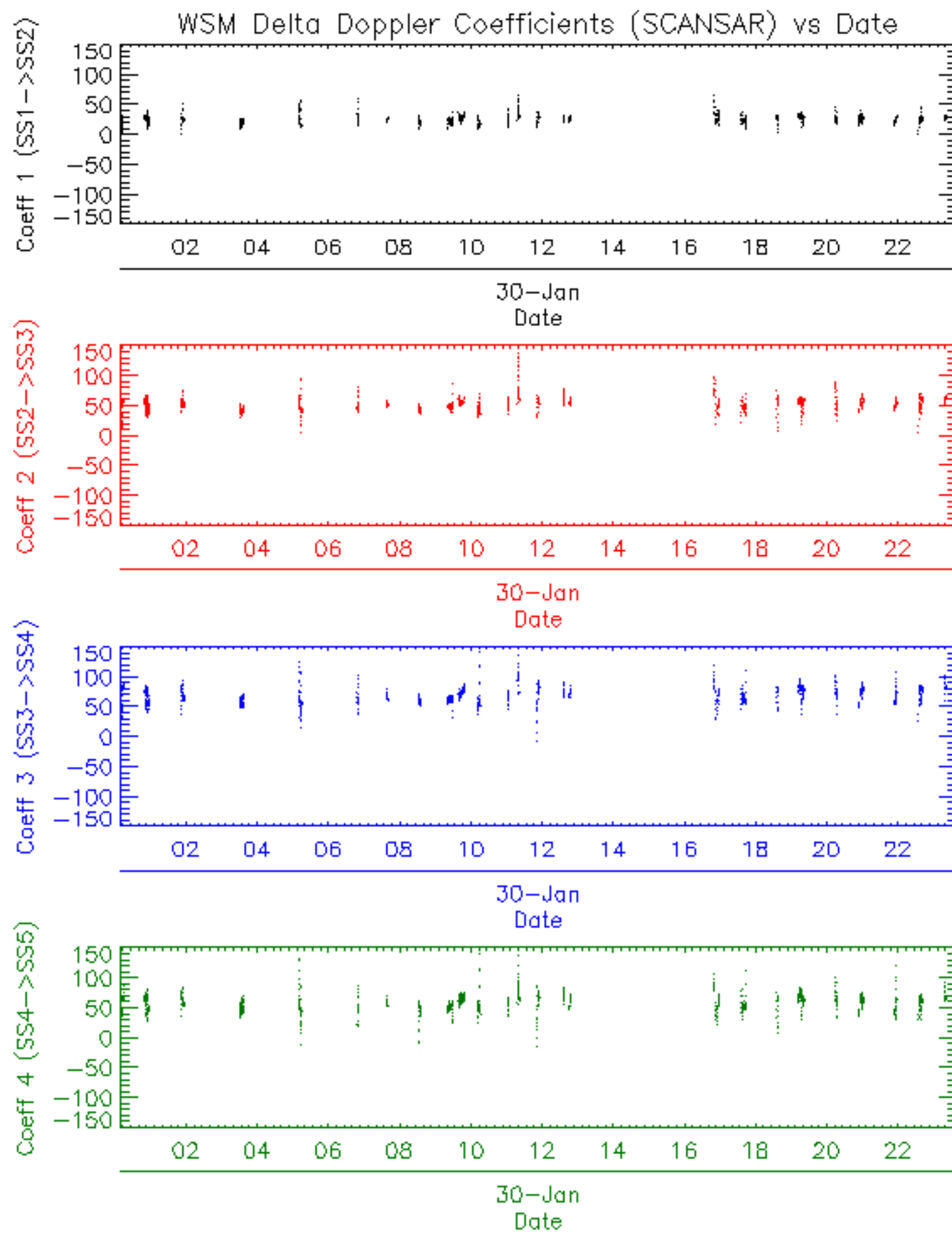


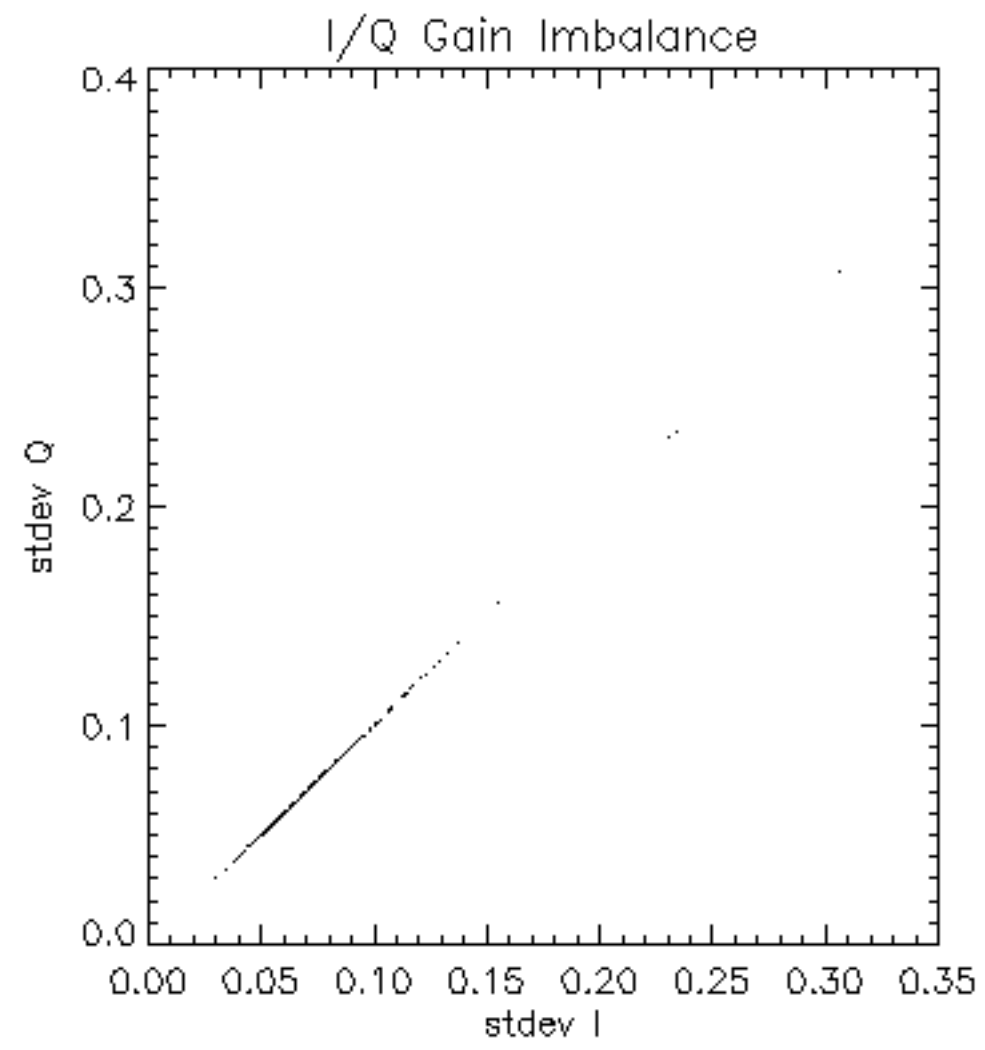


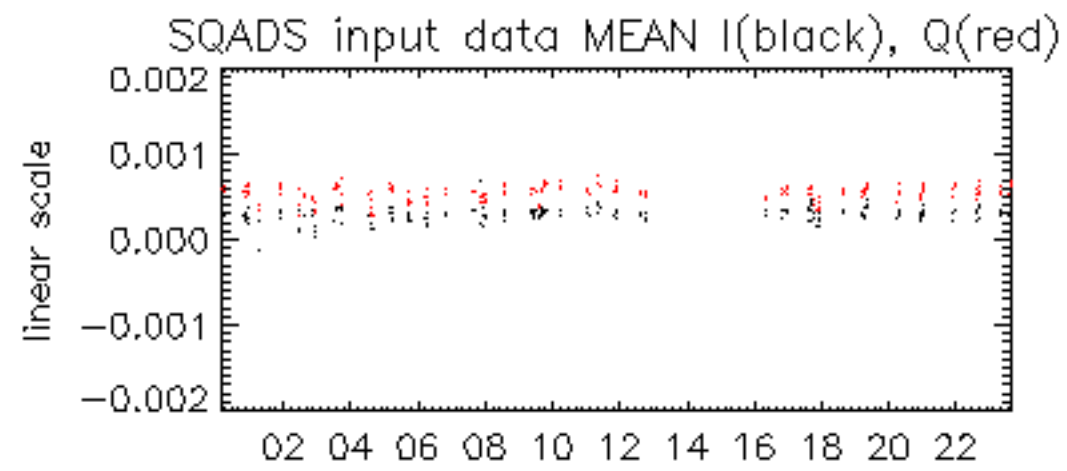




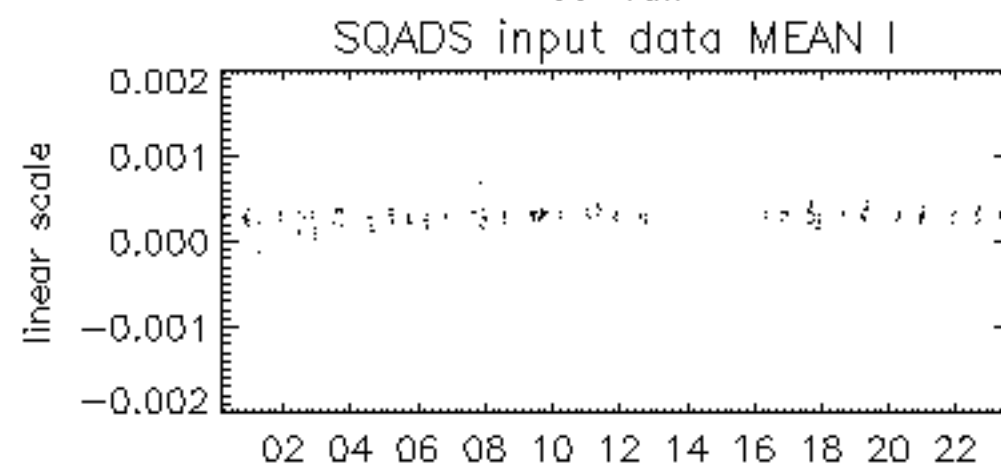




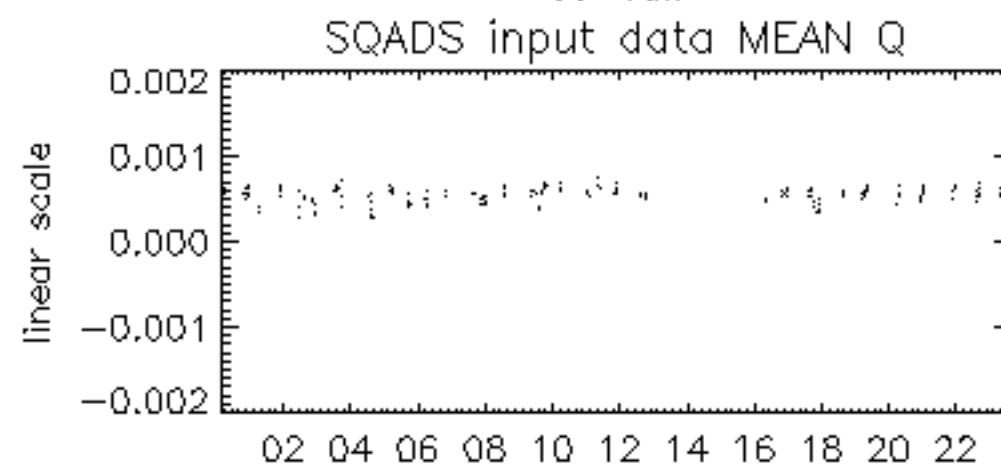




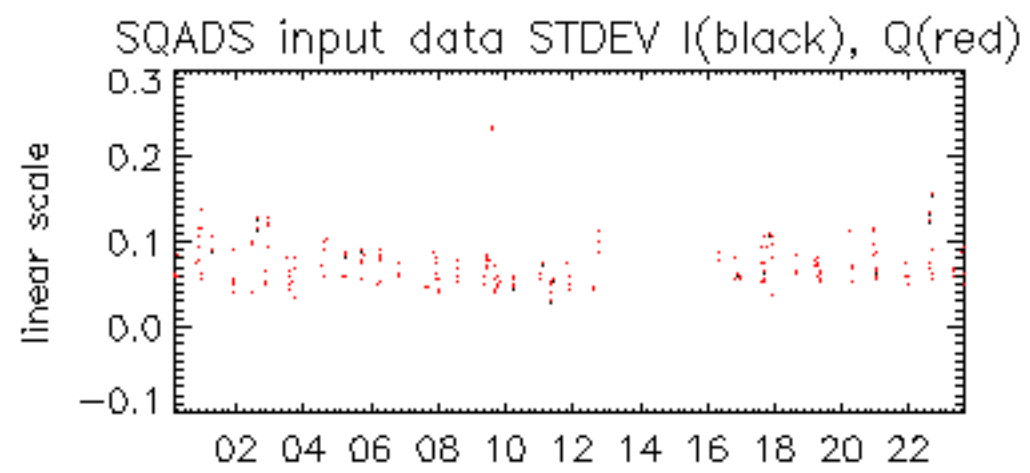
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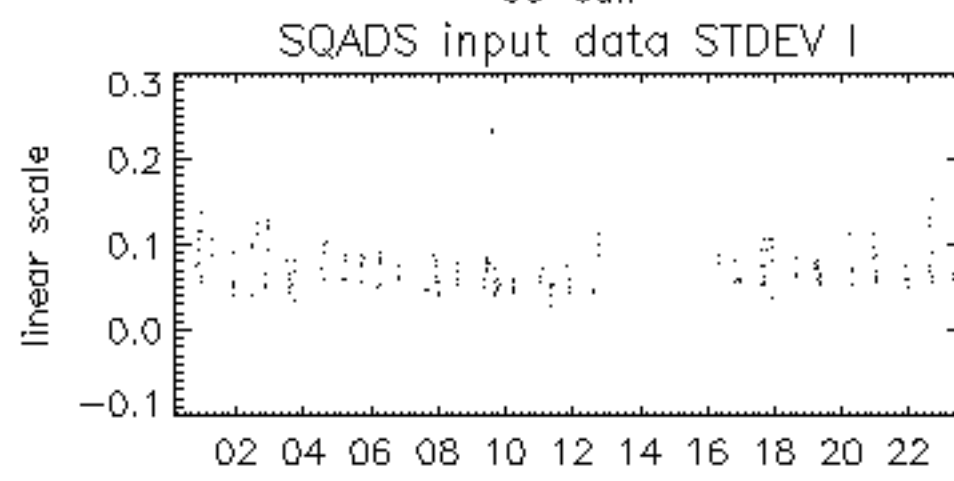
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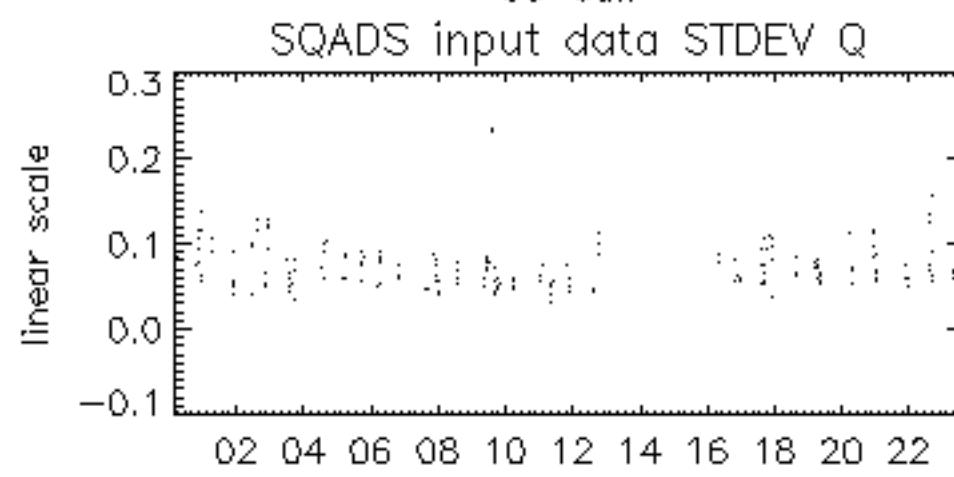
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