



Analysis from 20-SEP-2011 00:00:00 to 20-SEP-2011 23:59:59. Page generated on 21-SEP-2011 07:36:07.
View log file: ASAR_Daily_Report_20110921_0735.log. For any anomalies please contact emma.hatton@vegaspaces.com, kajal.haria@vegaspaces.com.

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	38	PDE	IS2	H/H	2	PDE	IS2	V/V	1	PDE	WS	H/H	32	PDE	2011-09-20 06:01:50	H	320
PDE	IS2	V/V	27					PDE	IS2	H/V	1	PDE	IS5	H/H	1	PDE	WS	V/V	7				
PDK	IS1	H/H	1					PDE	IS4	V/H	2	PDE	IS6	H/H	6	PDK	WS	H/H	9				
PDK	IS2	V/V	18					PDE	IS4	V/V	1					PDK	WS	V/V	4				

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

[BACK TO MENU]

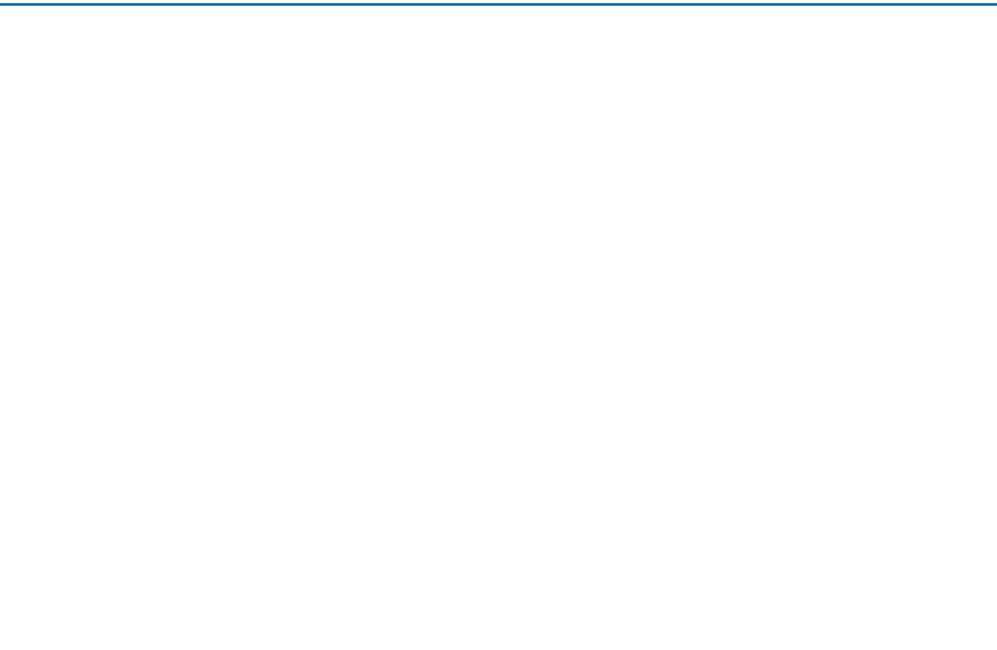
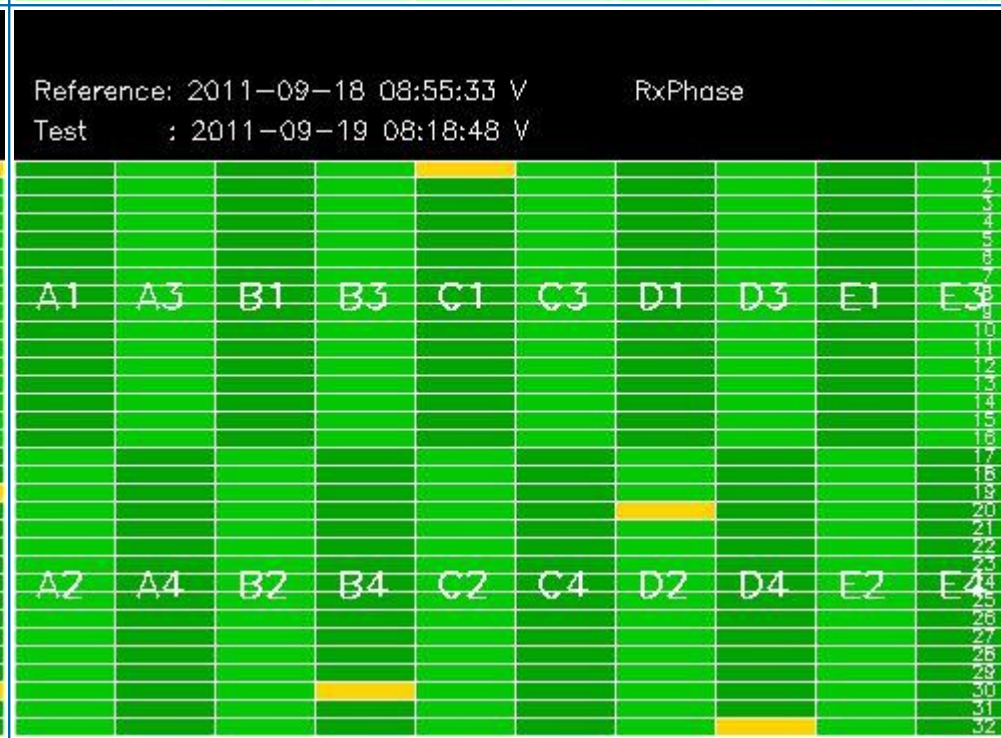
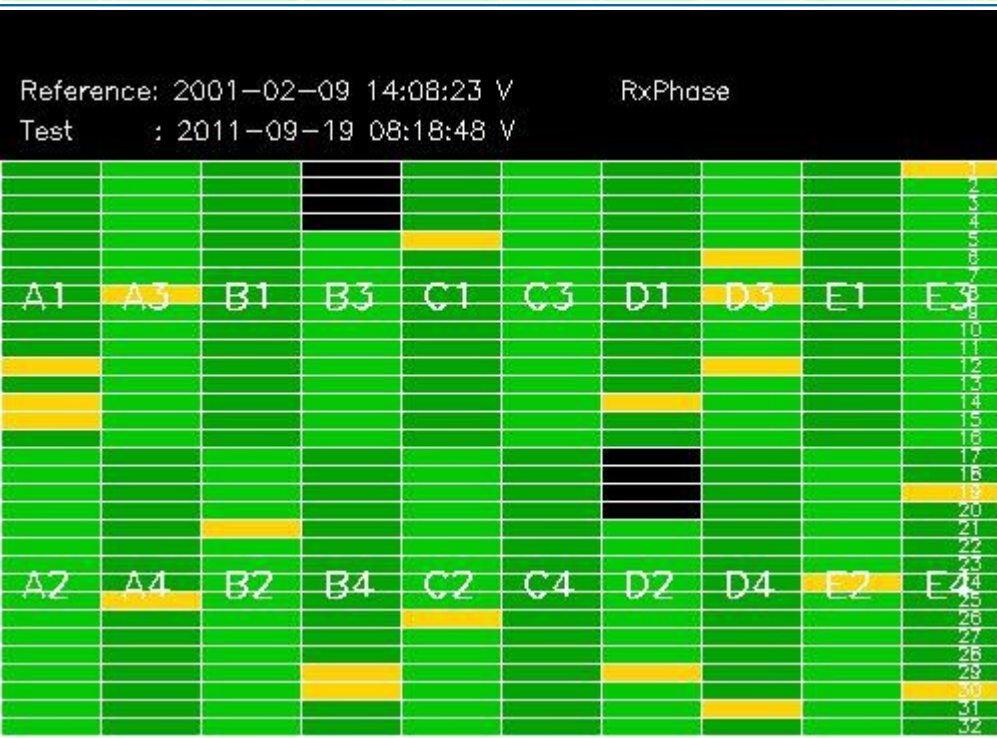
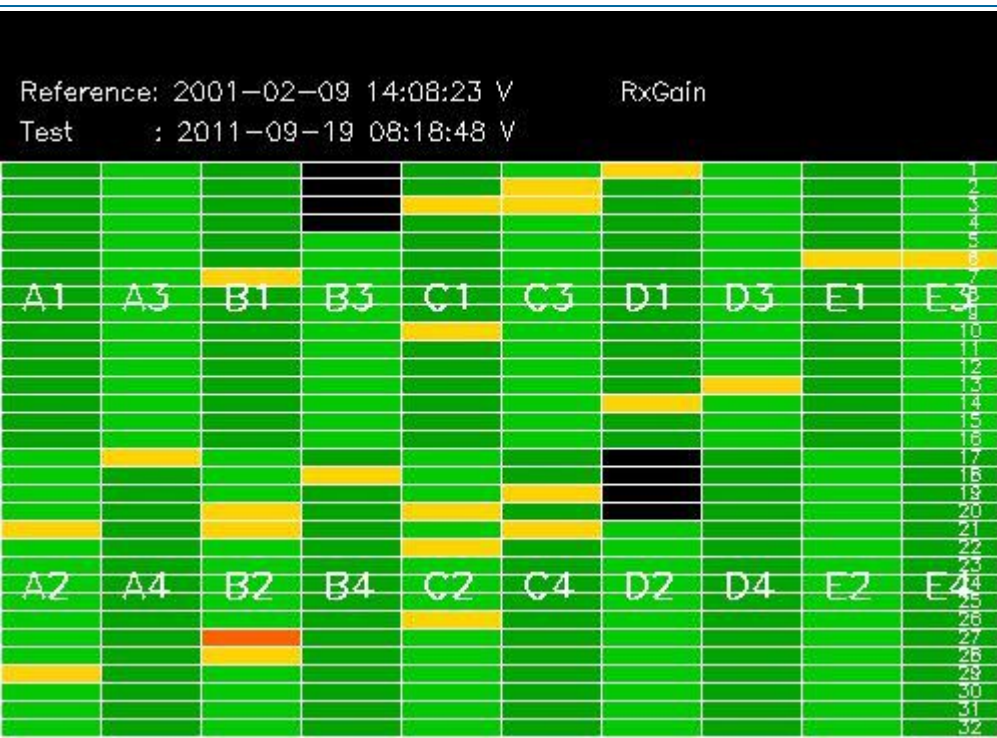
No IECF ADFs list available

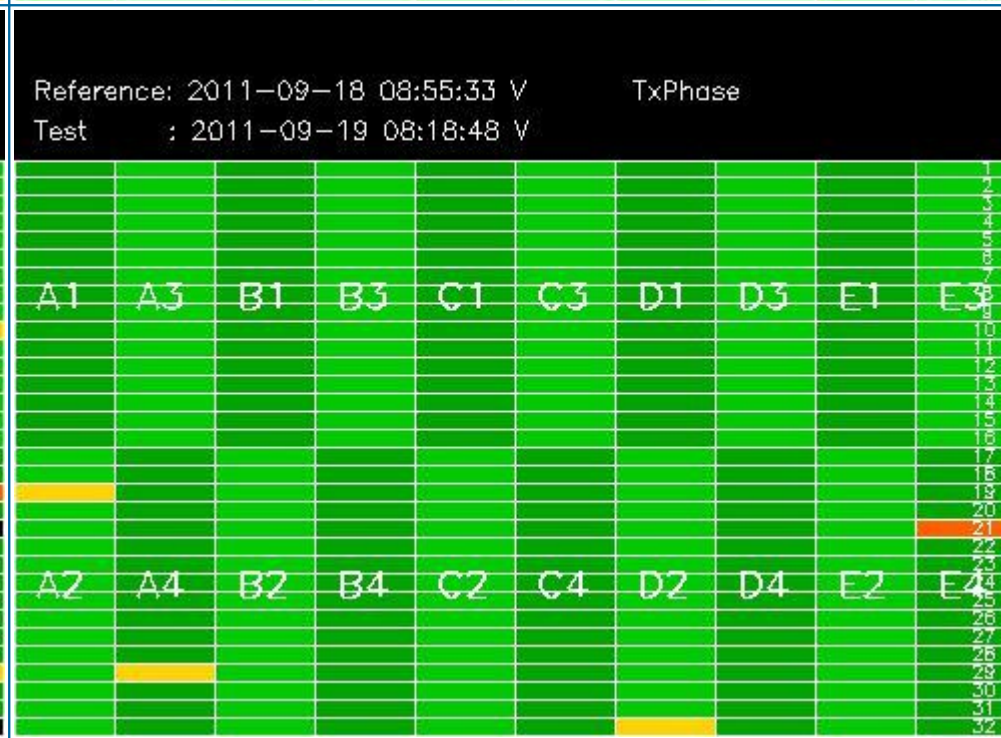
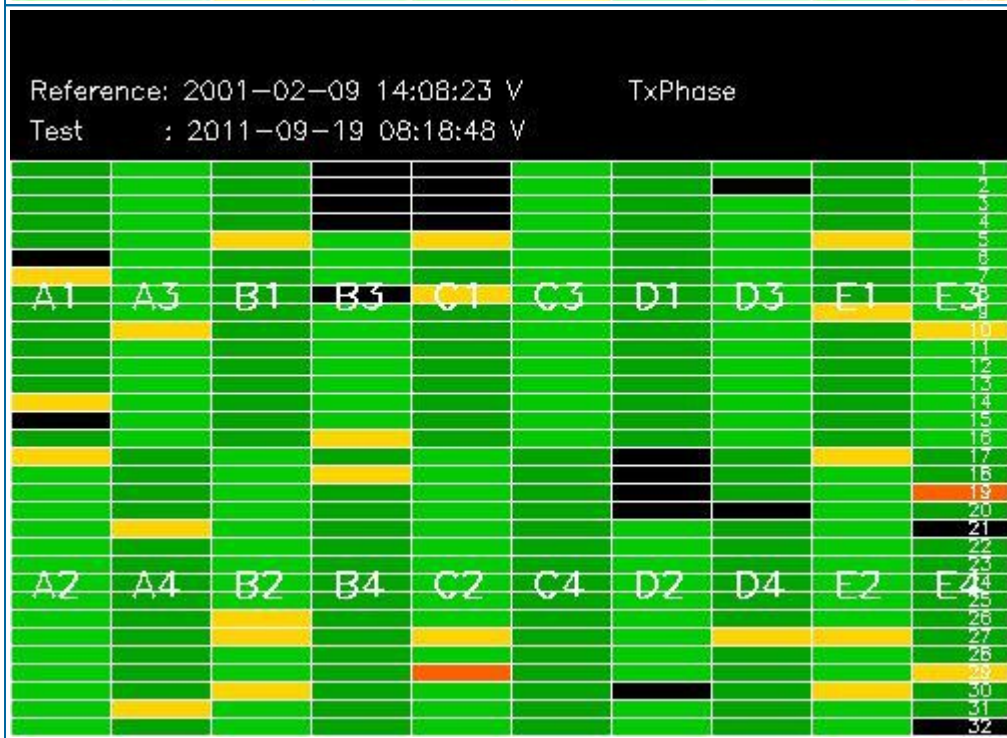
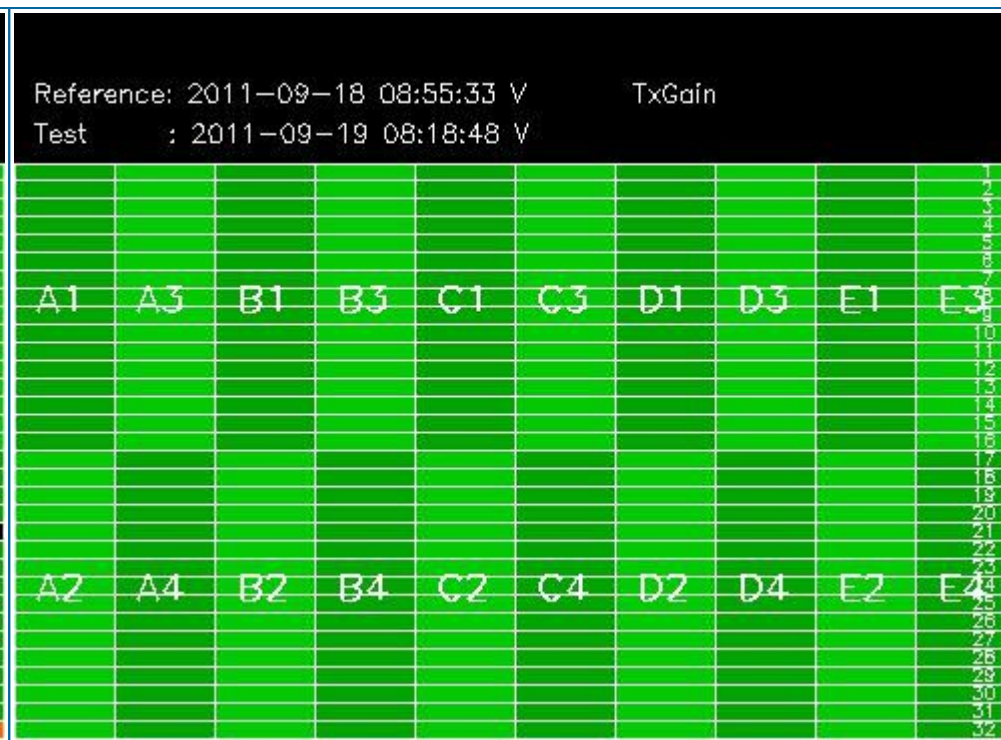
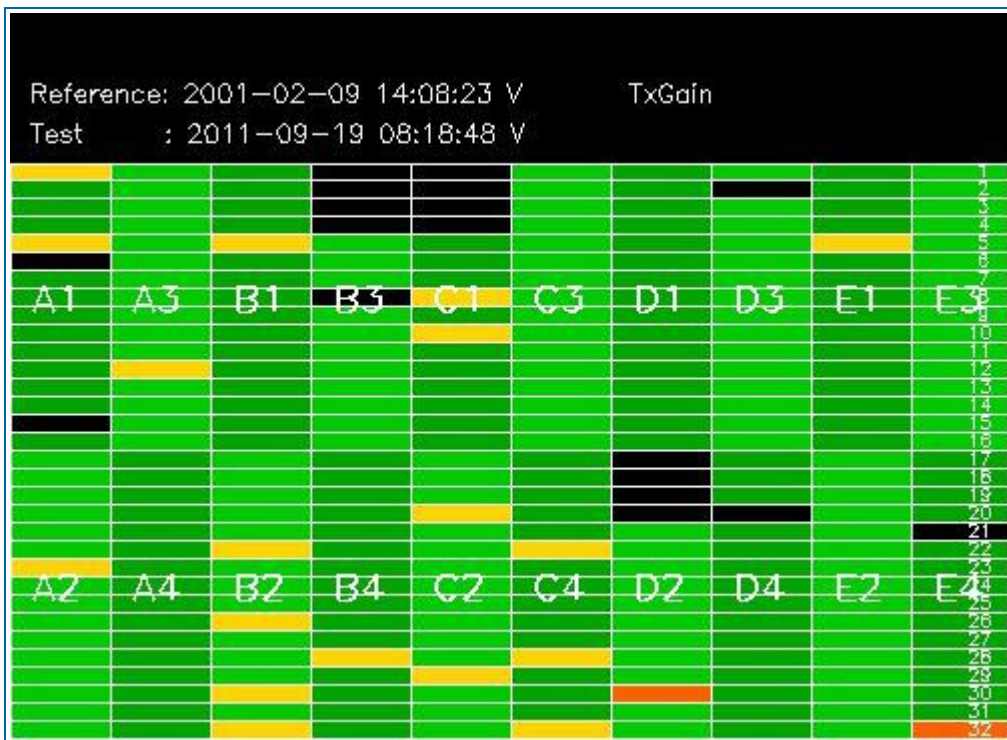
2.2 - Products with wrong ADFs

[BACK TO MENU]

3 - MODULE STEPPING PRODUCTS ANALYSIS

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

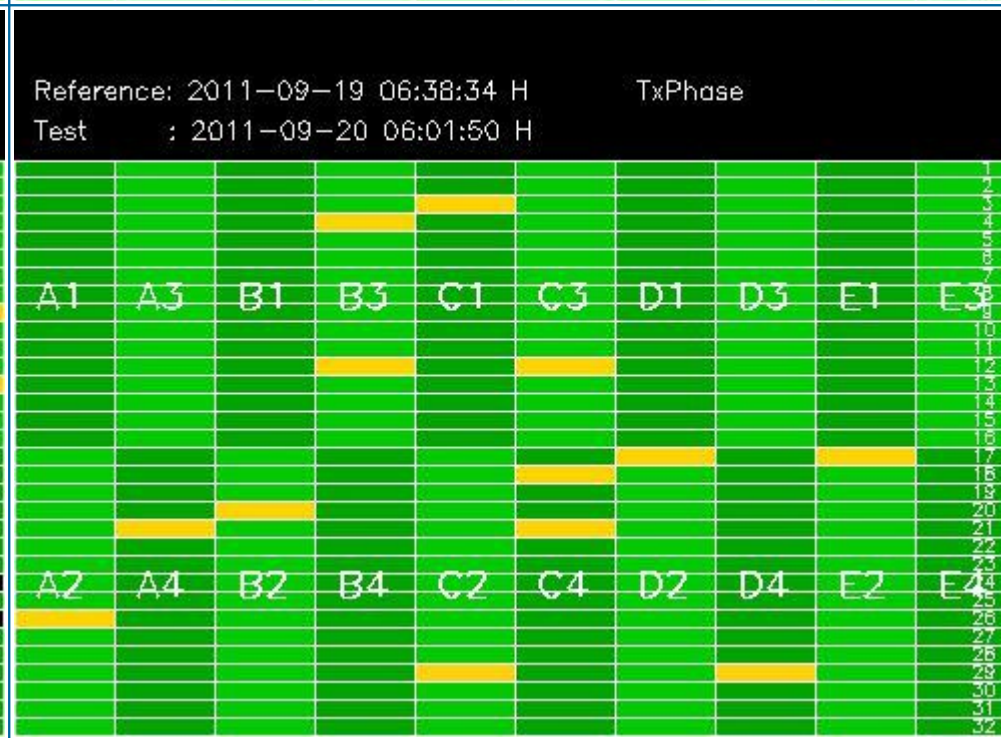
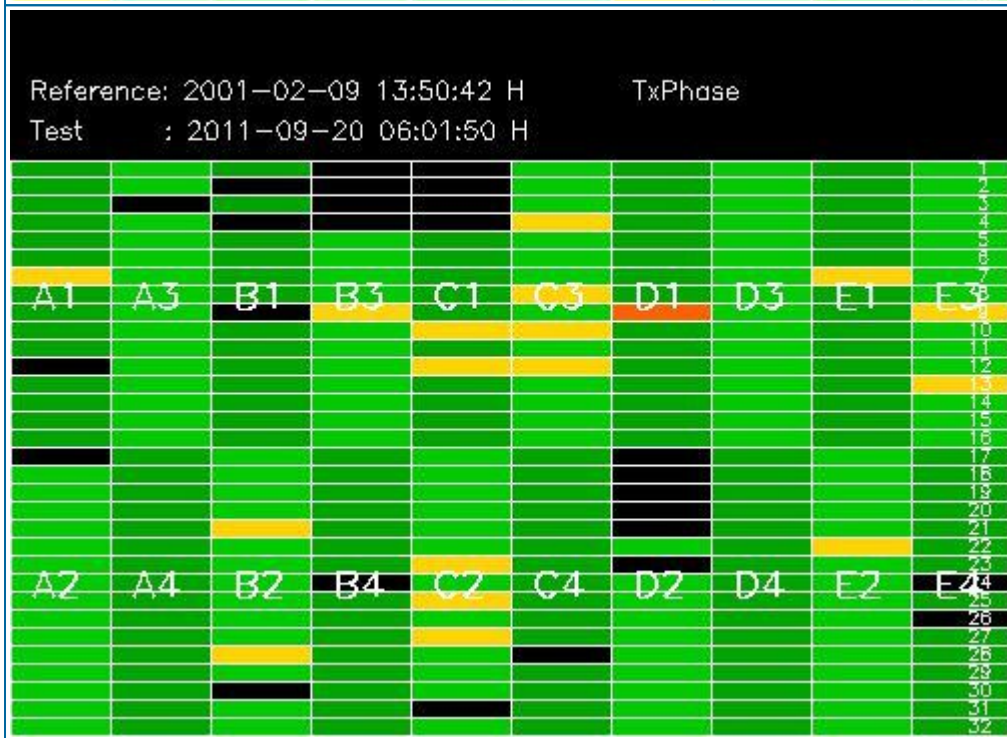
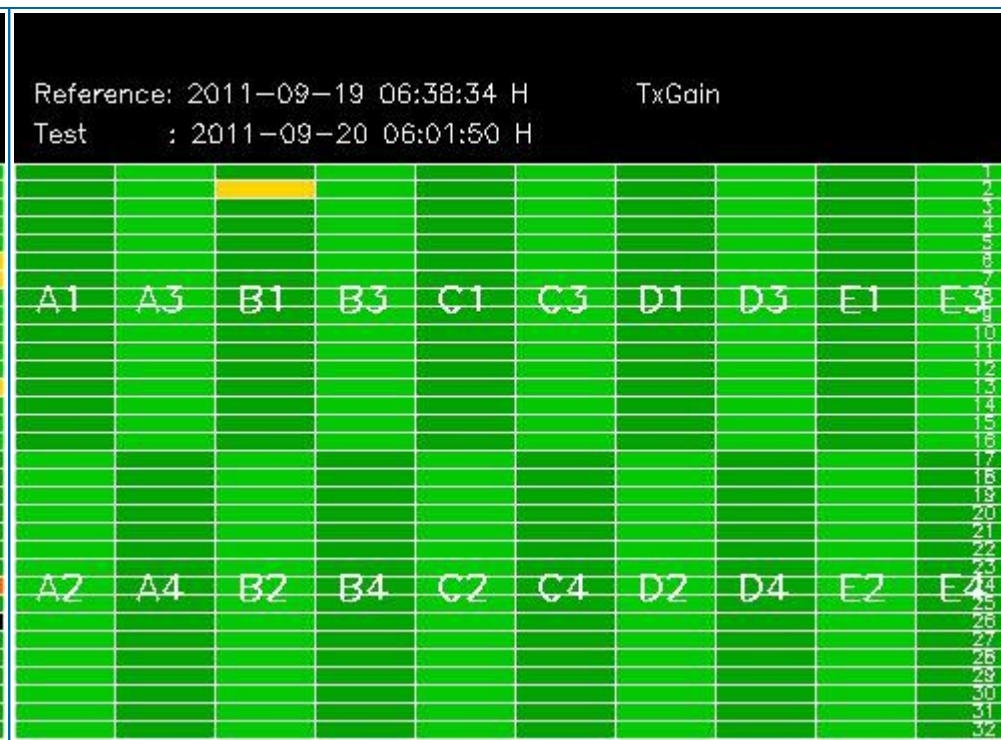
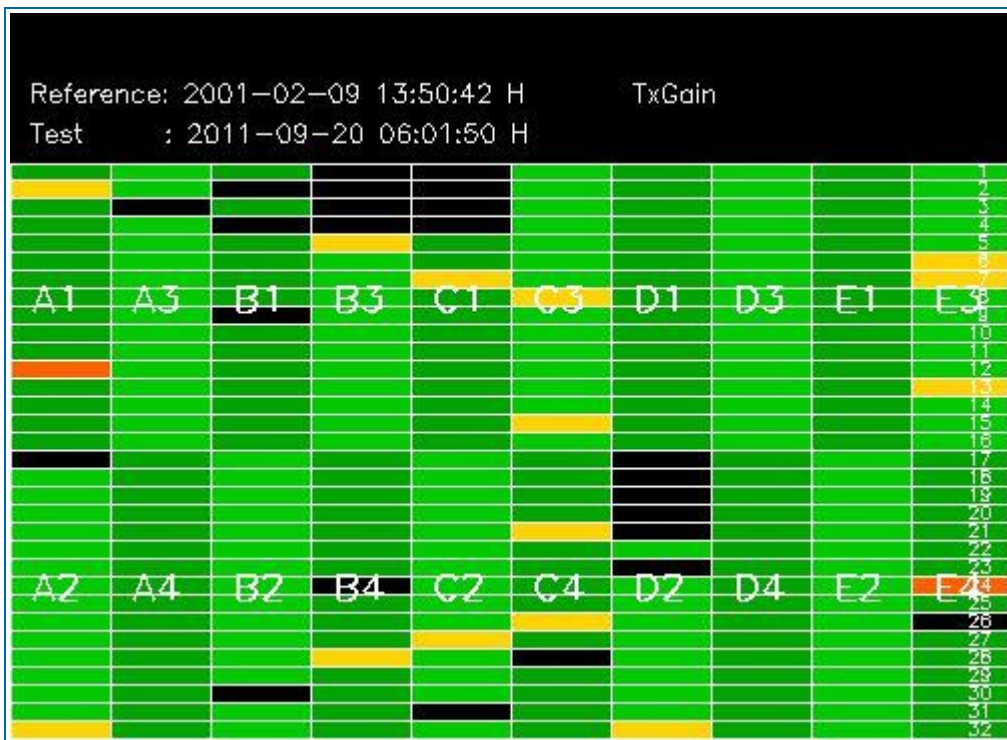




3.2 - H/H polarisation

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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

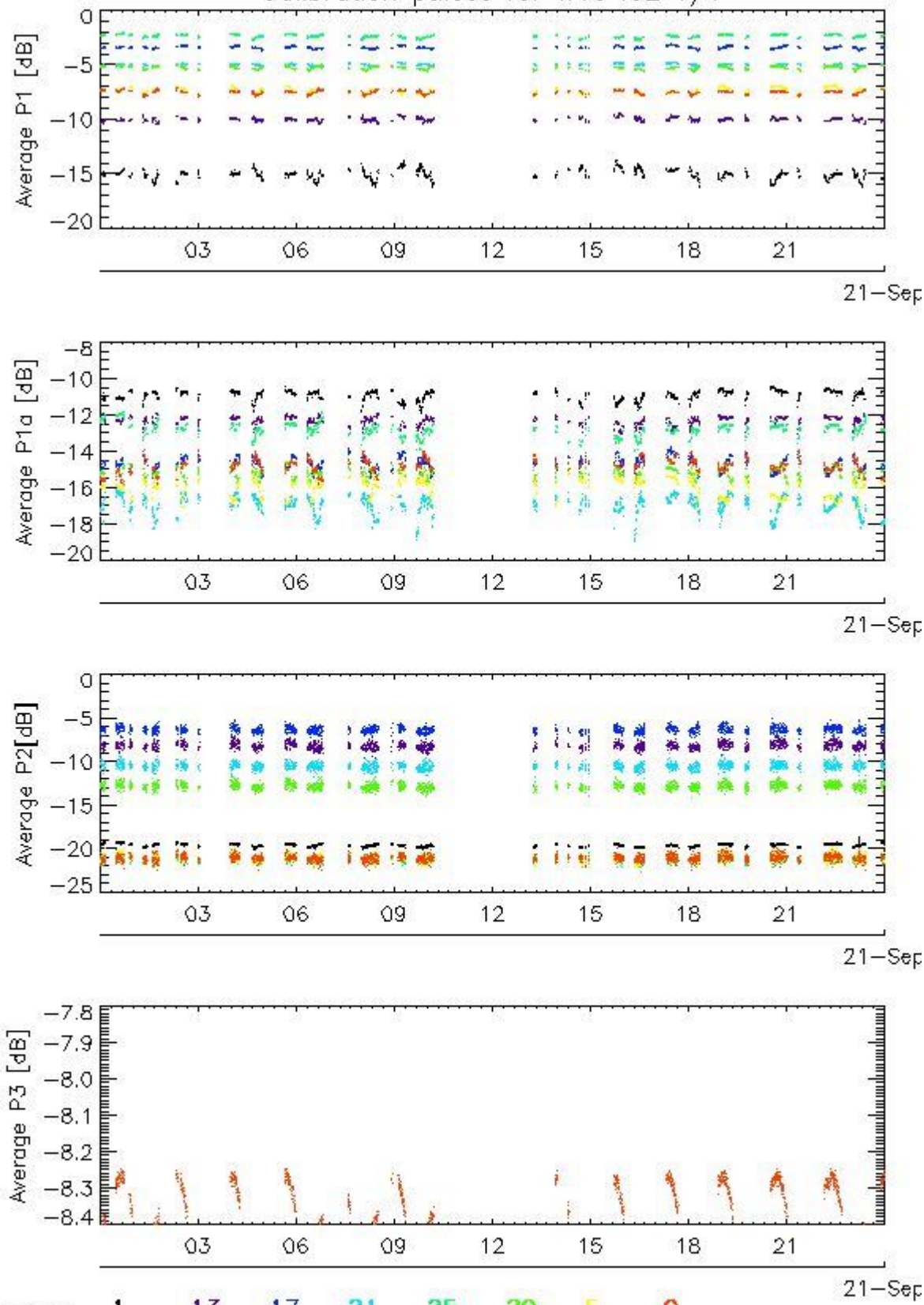
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

[BACK TO MENU]

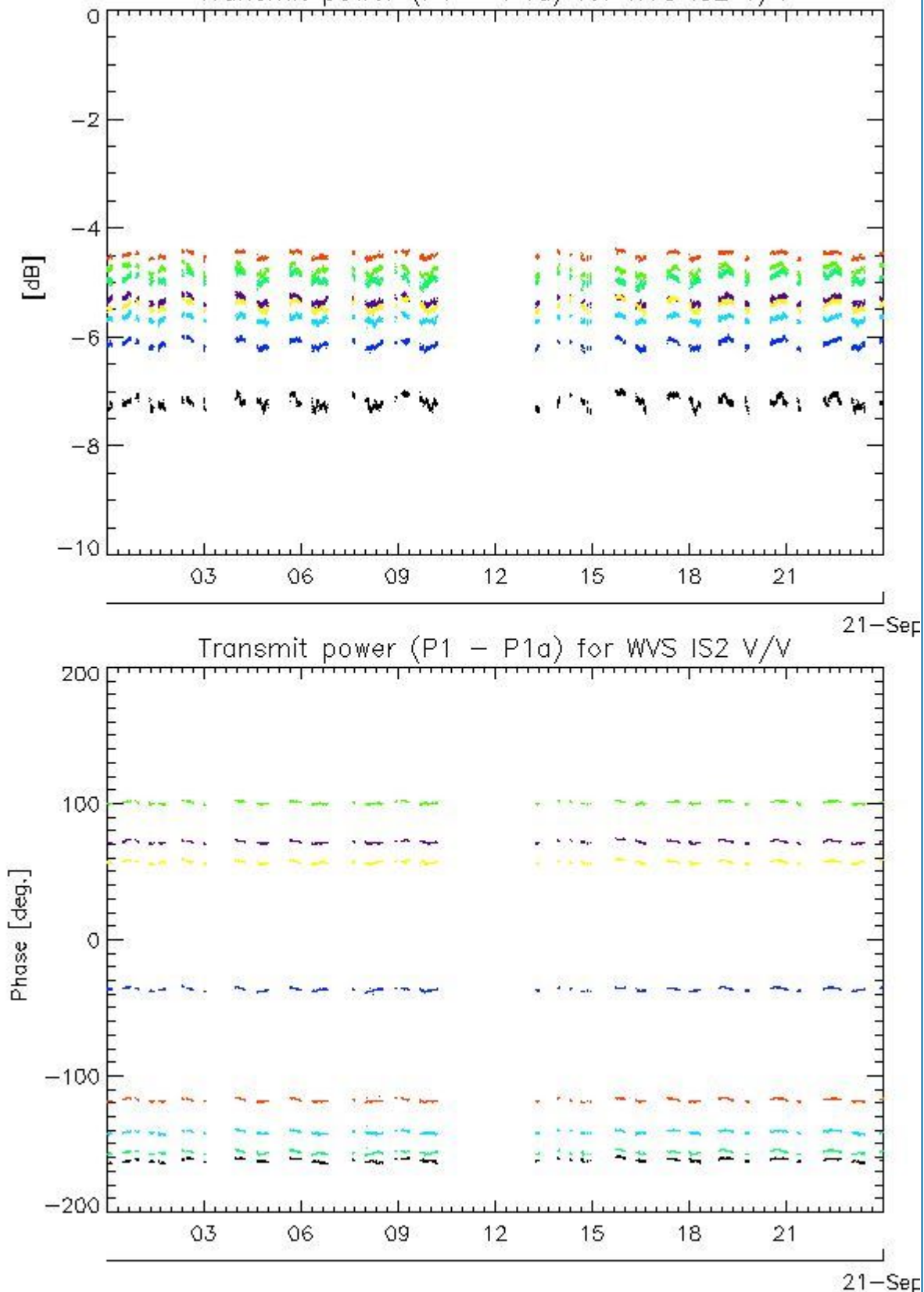
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



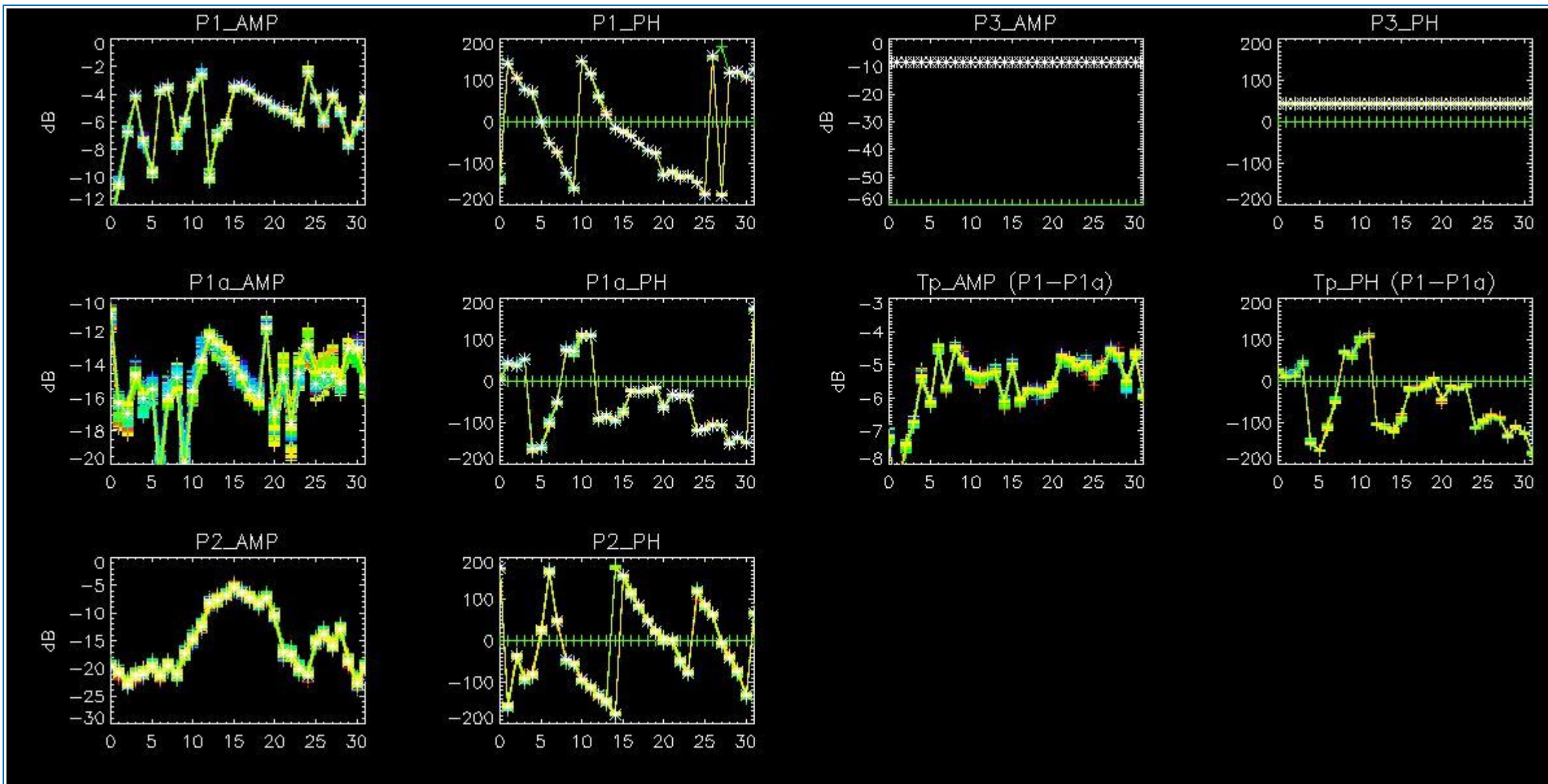
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

[BACK TO MENU]





4.2 - Analysis for GM1 SS3 H/H

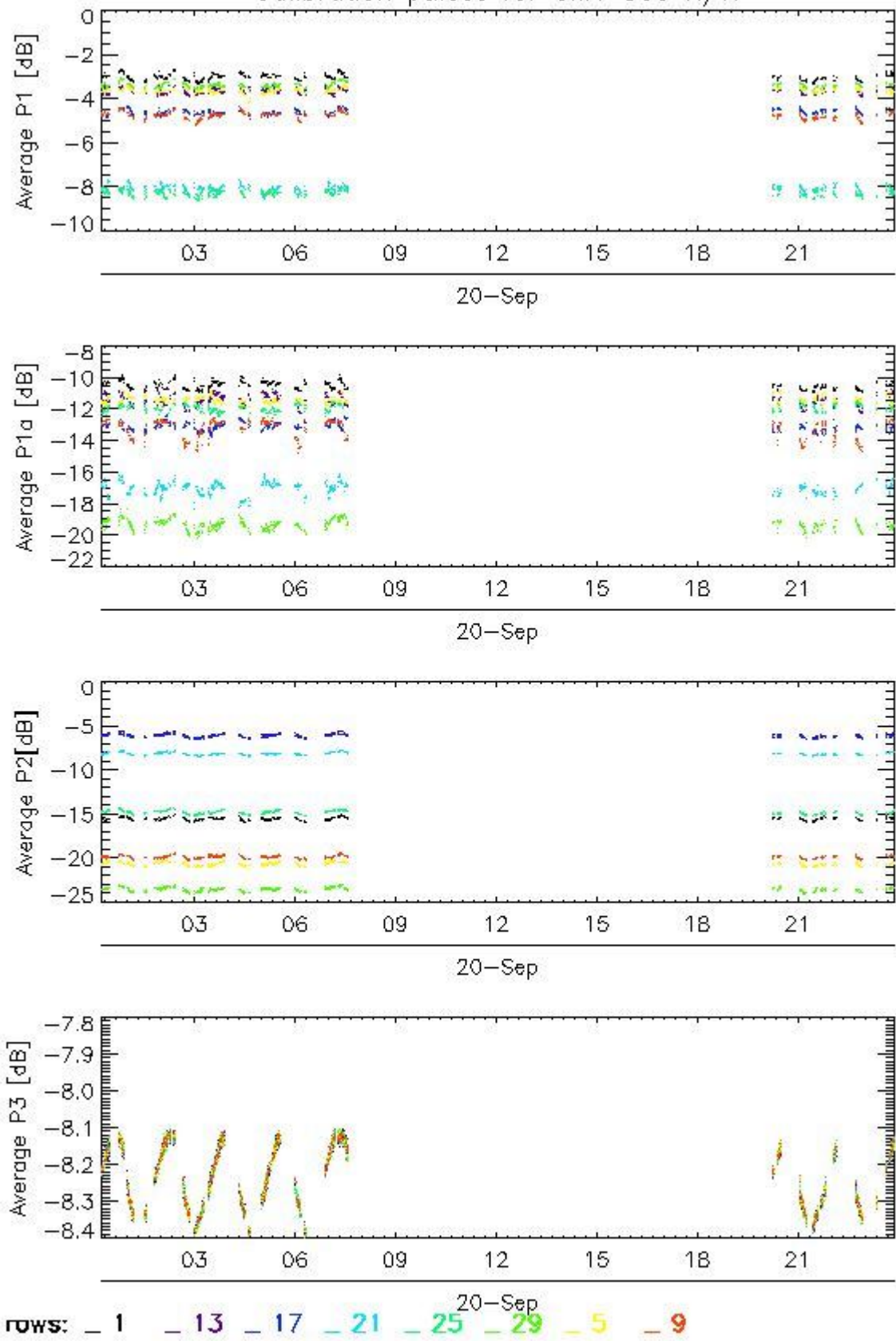
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

[BACK TO MENU]

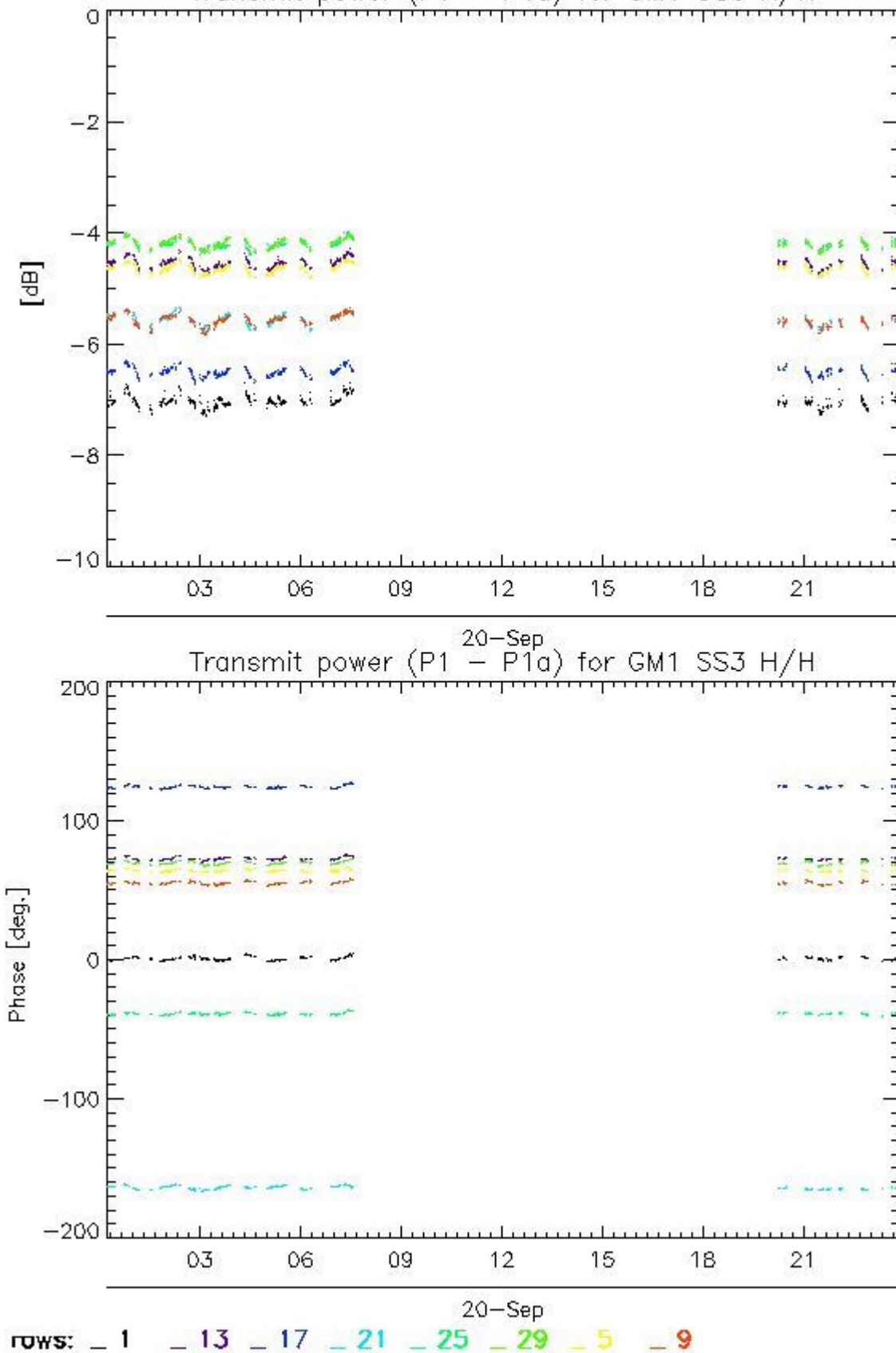
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for GM1 SS3 H/H



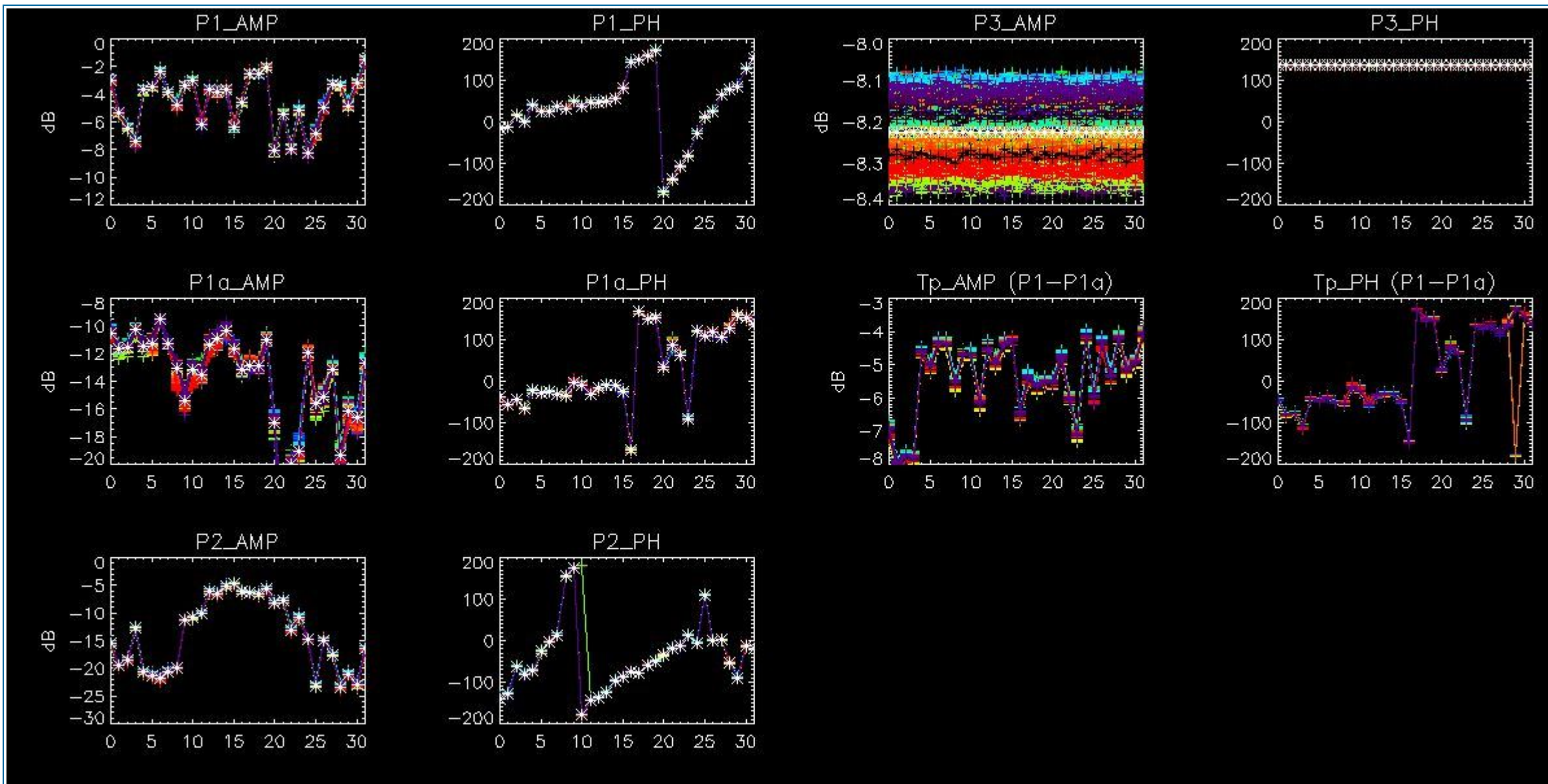
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

[[BACK TO MENU](#)]





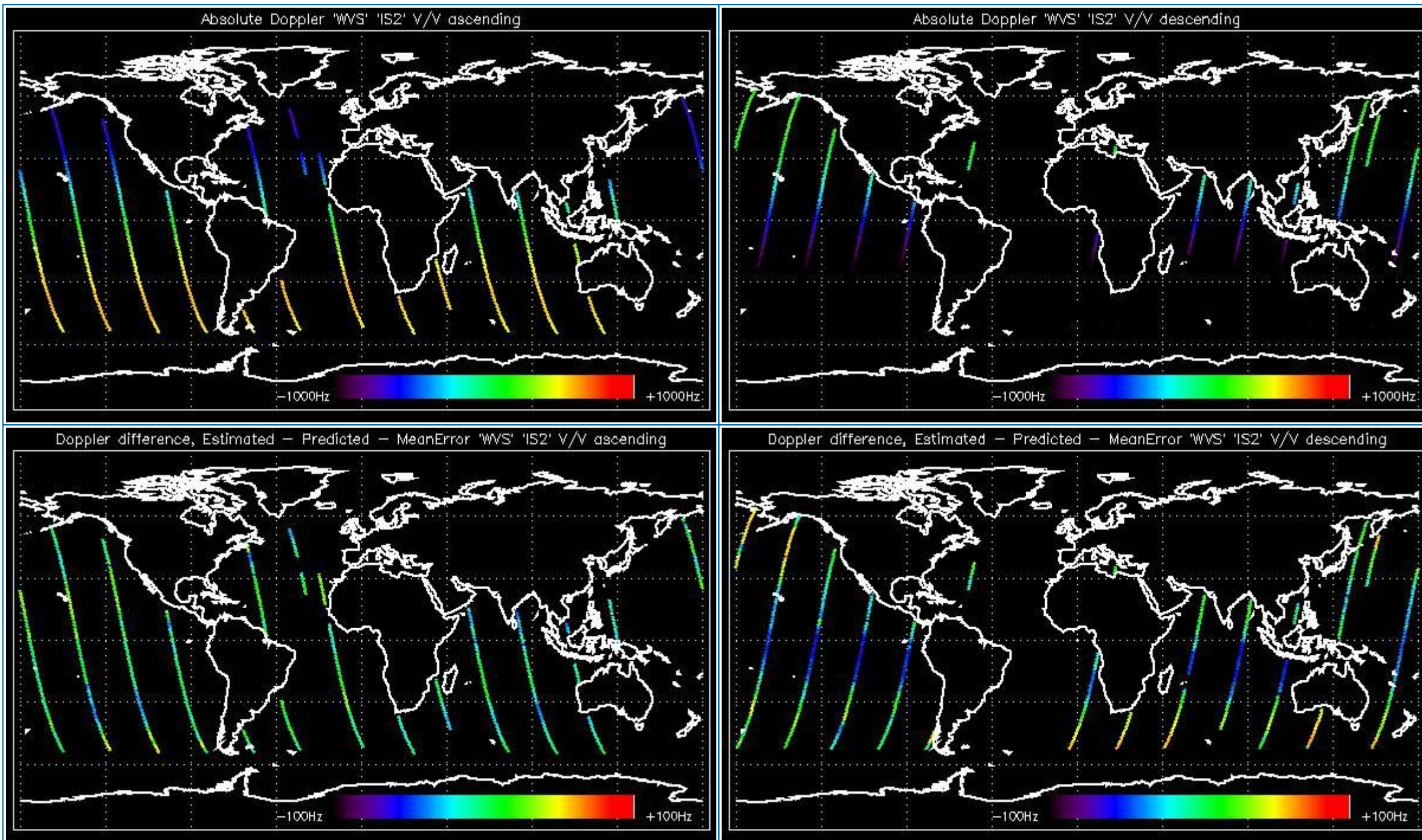
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]

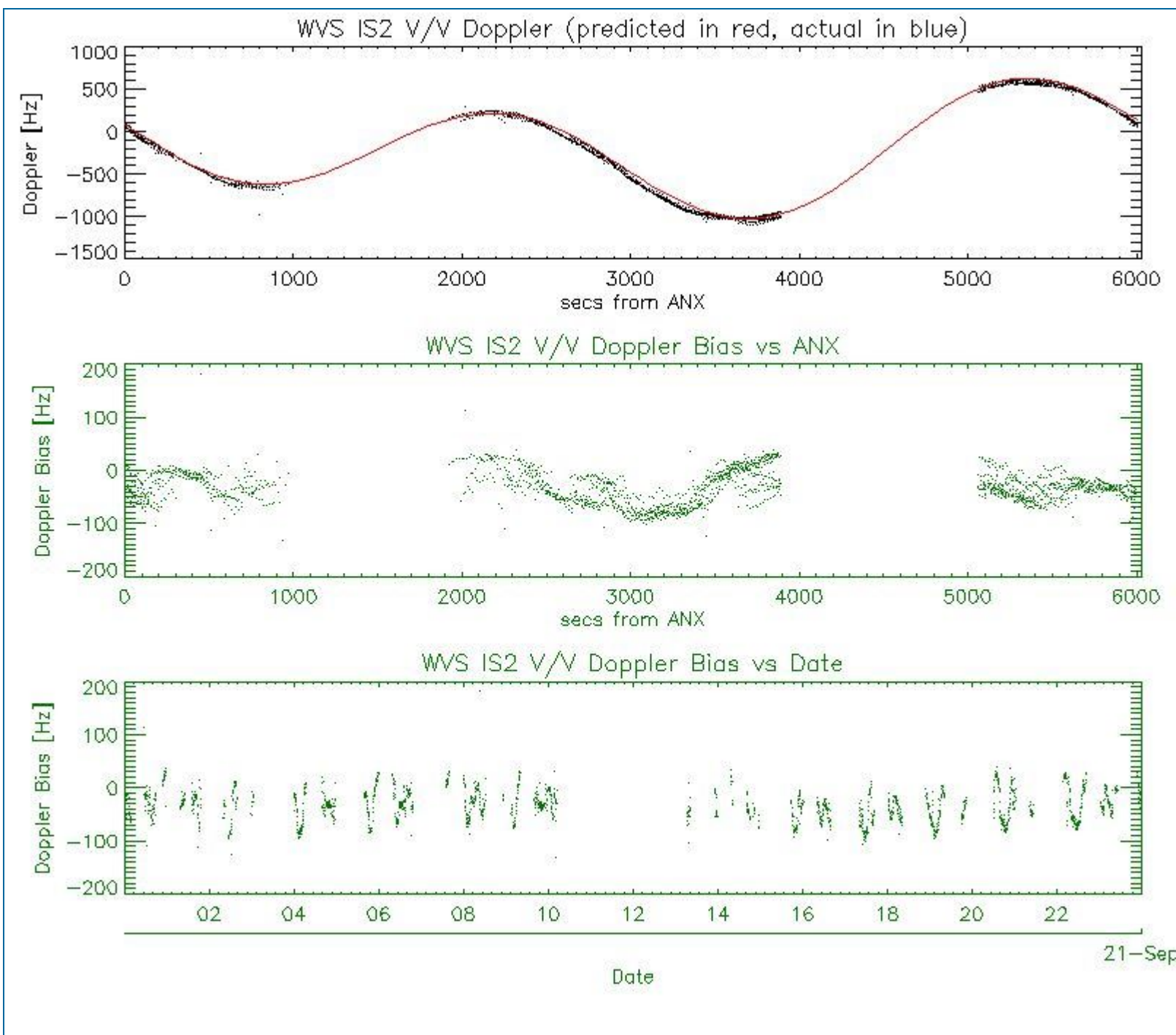




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

[[BACK TO MENU](#)]



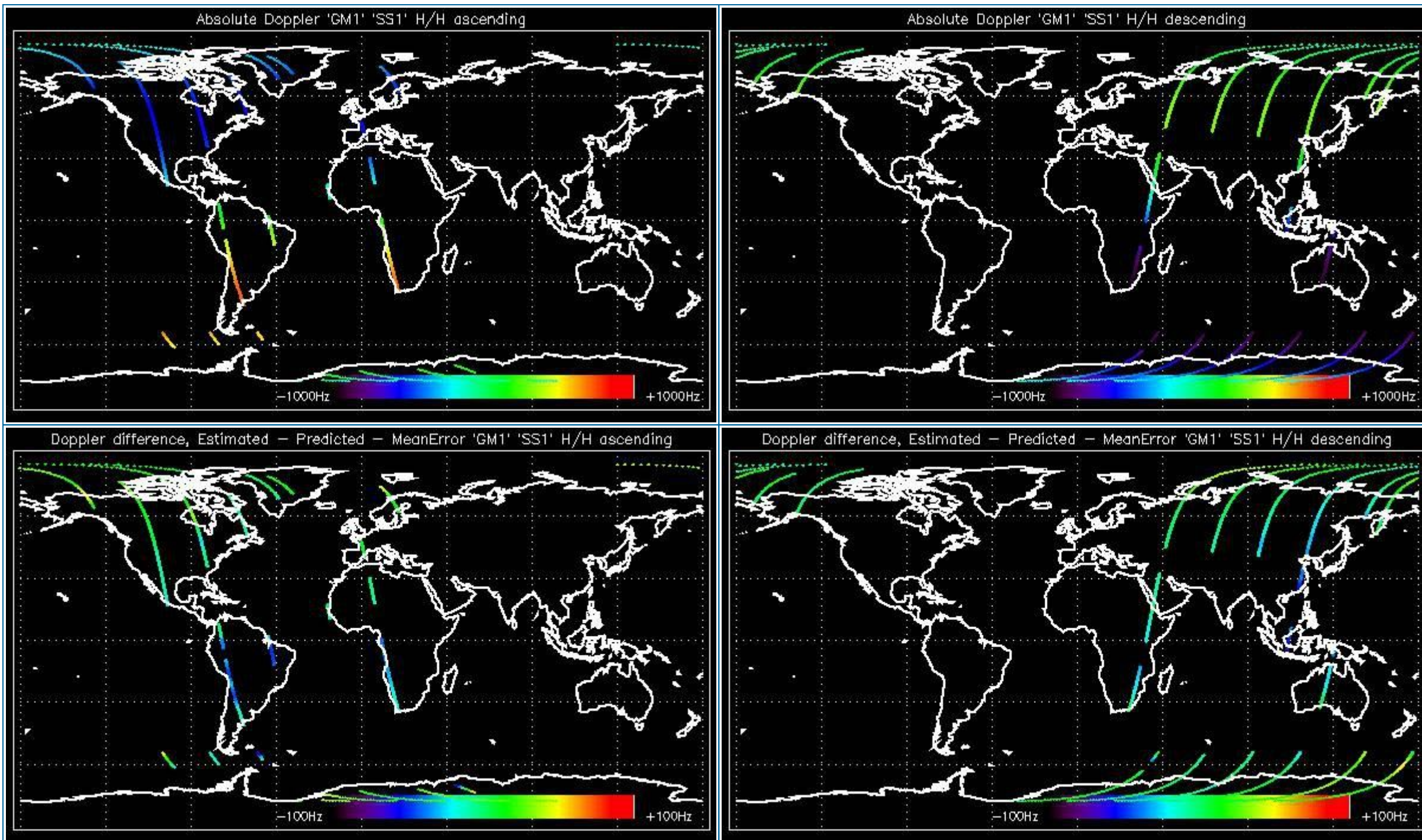


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

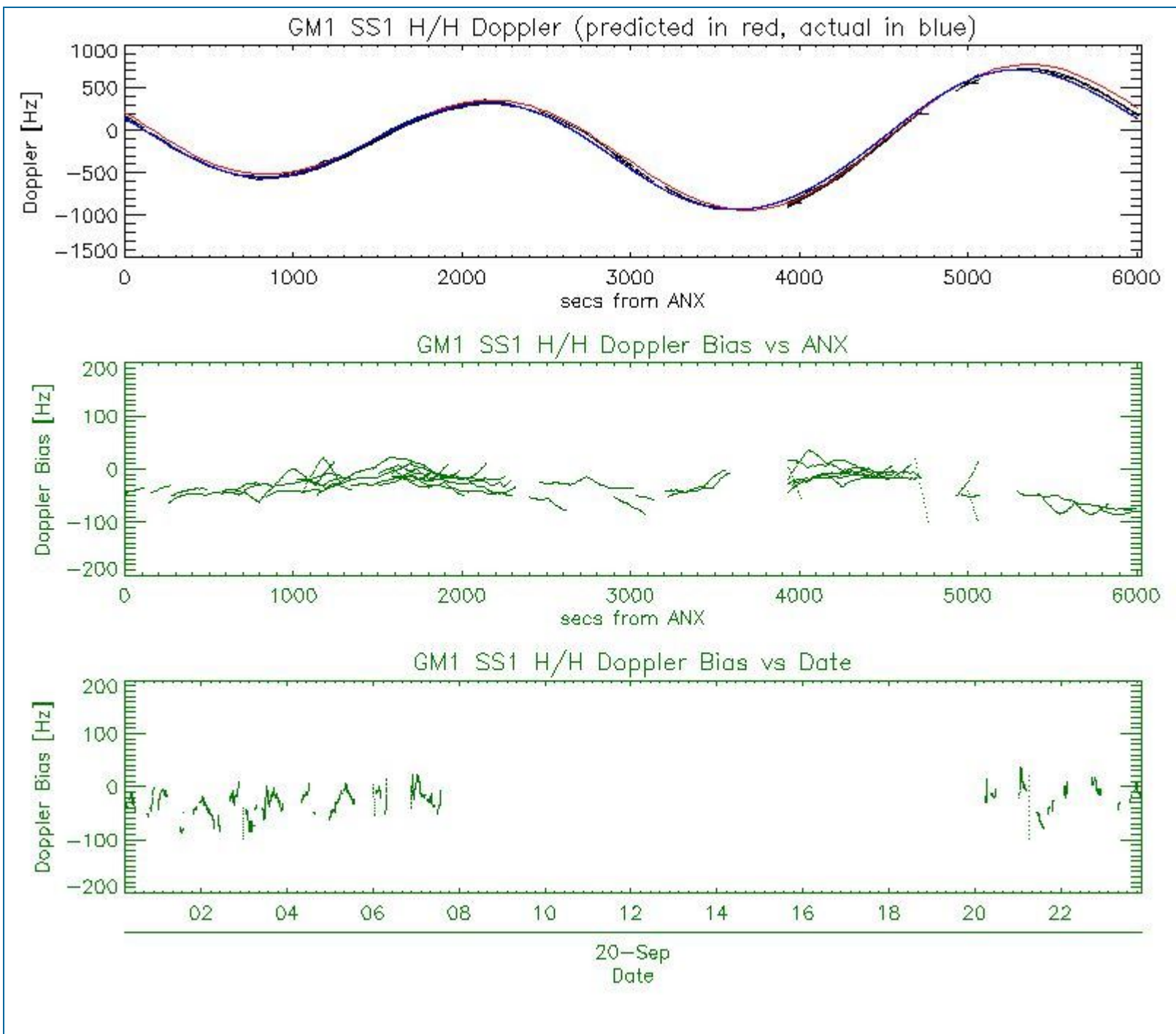




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

[[BACK TO MENU](#)]

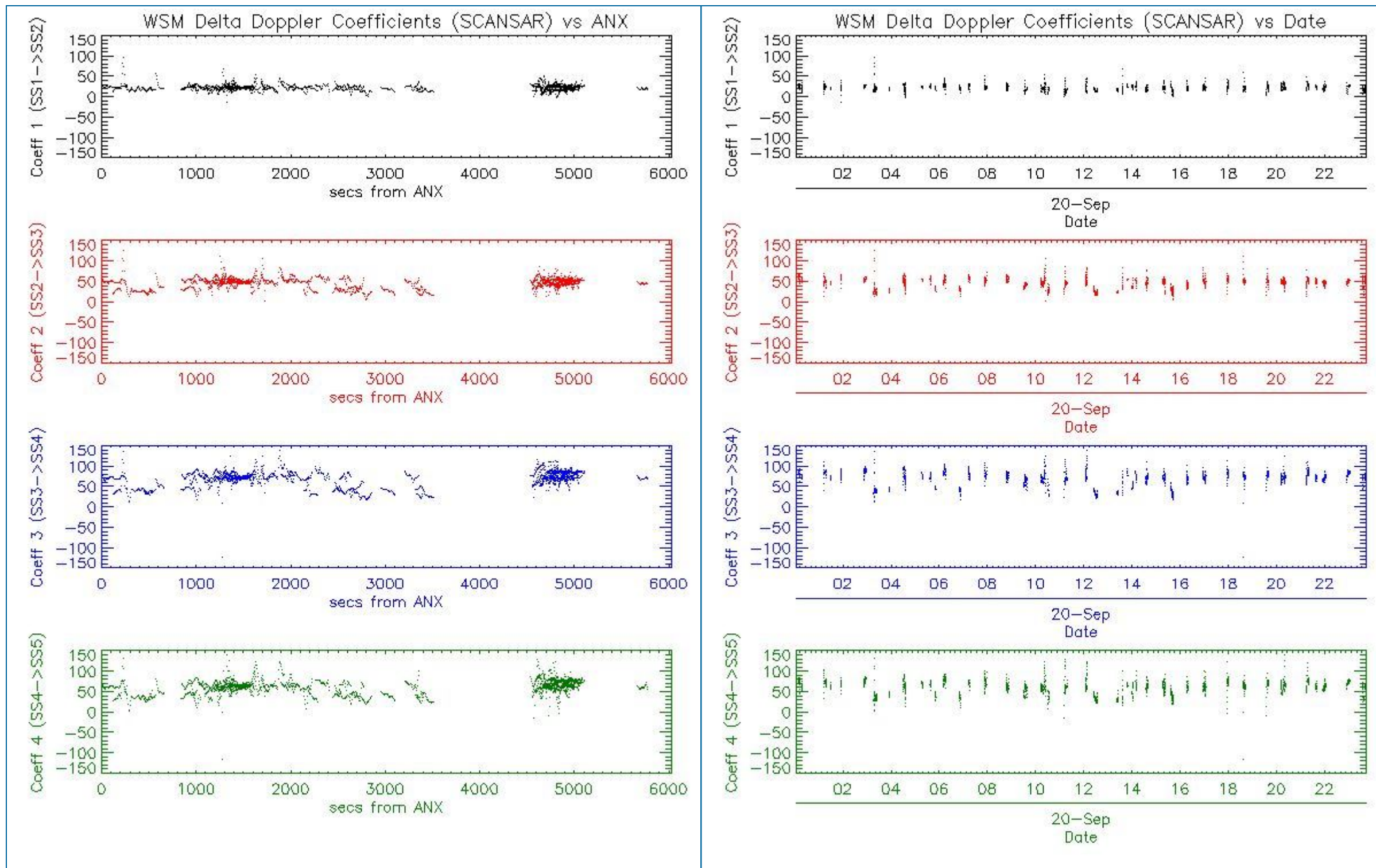




5.3 - Doppler JUMPS Analysis for WSM

[[BACK TO MENU](#)]

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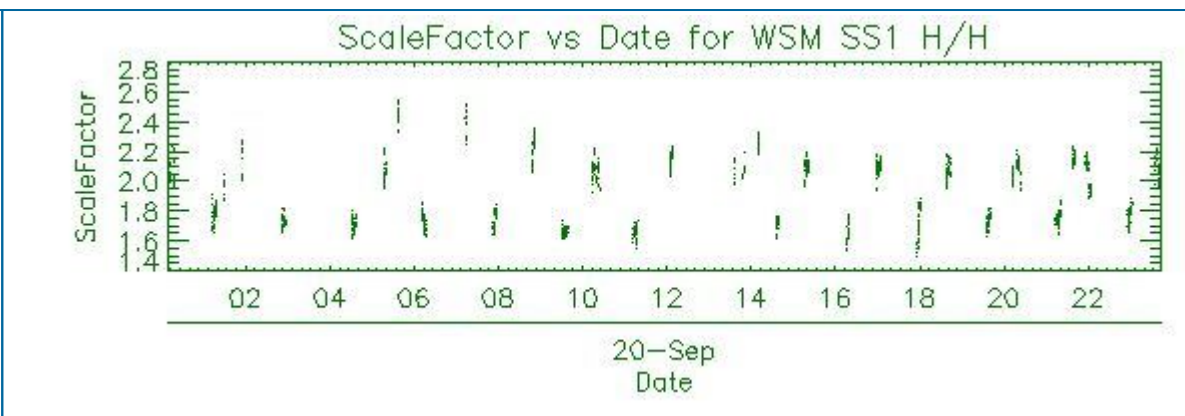
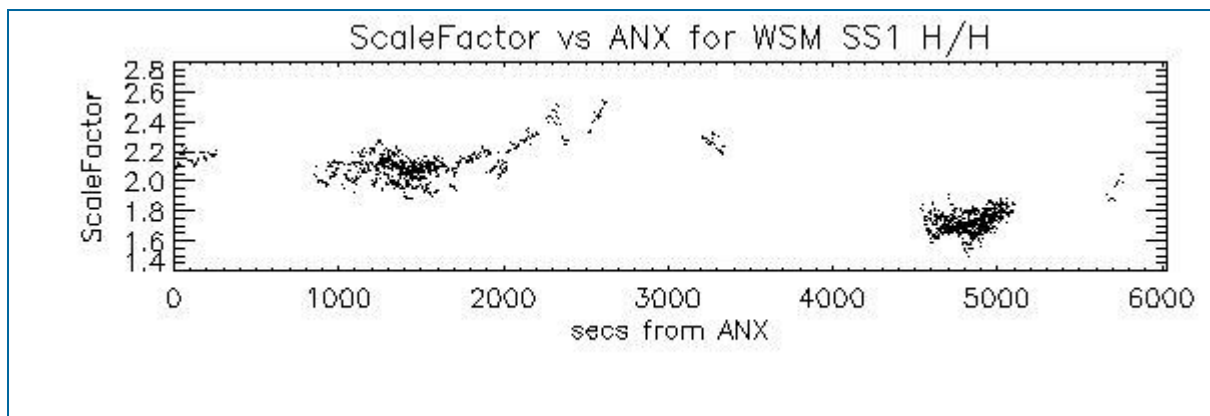
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

[[BACK TO MENU](#)]

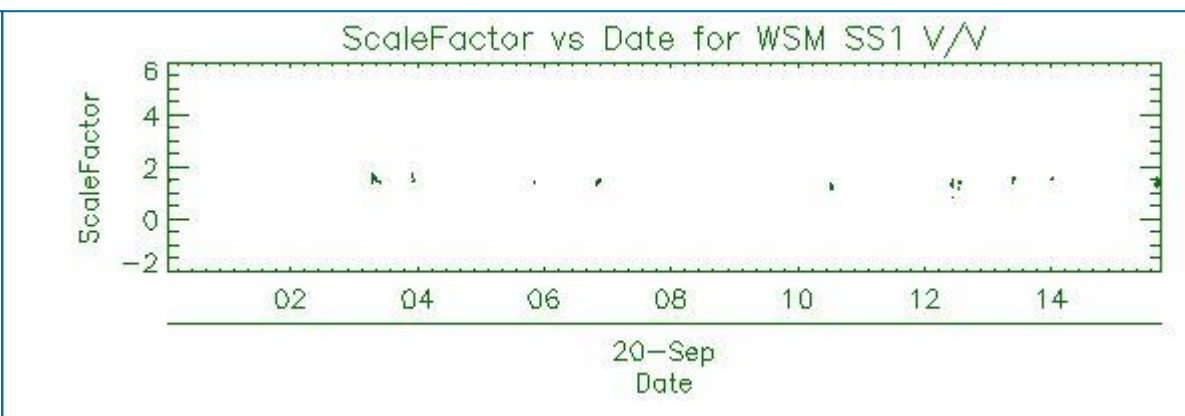
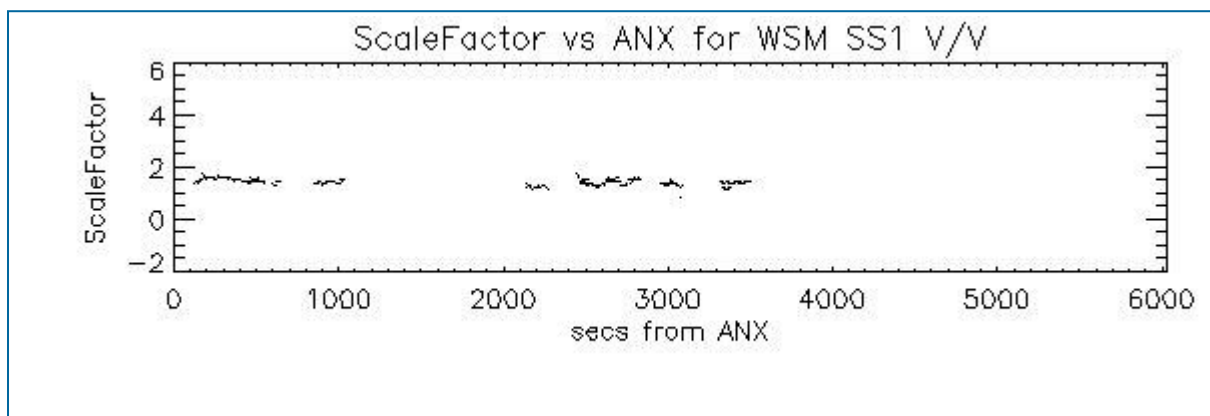




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

[[BACK TO MENU](#)]

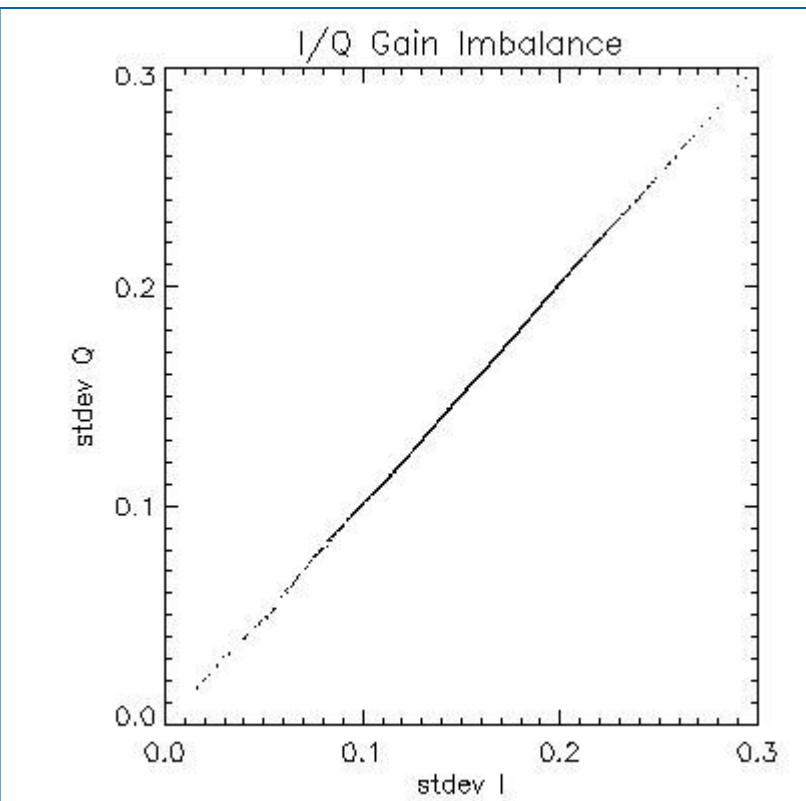
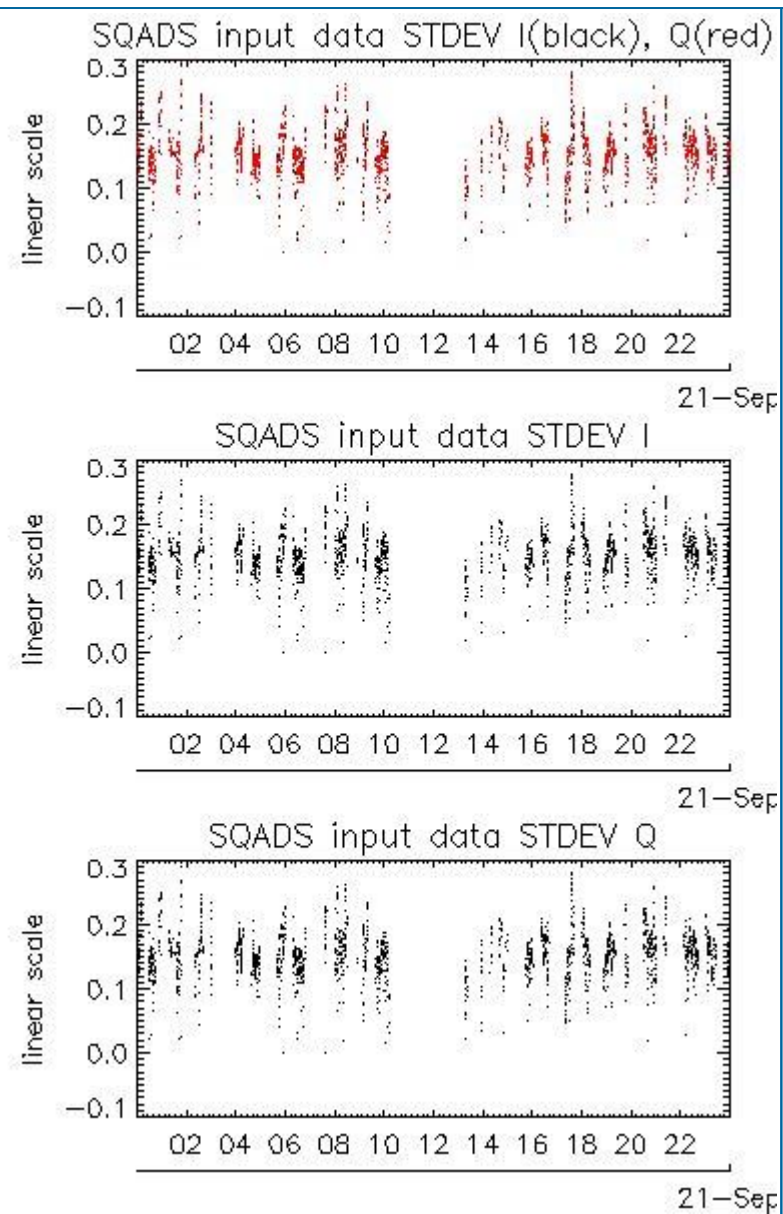
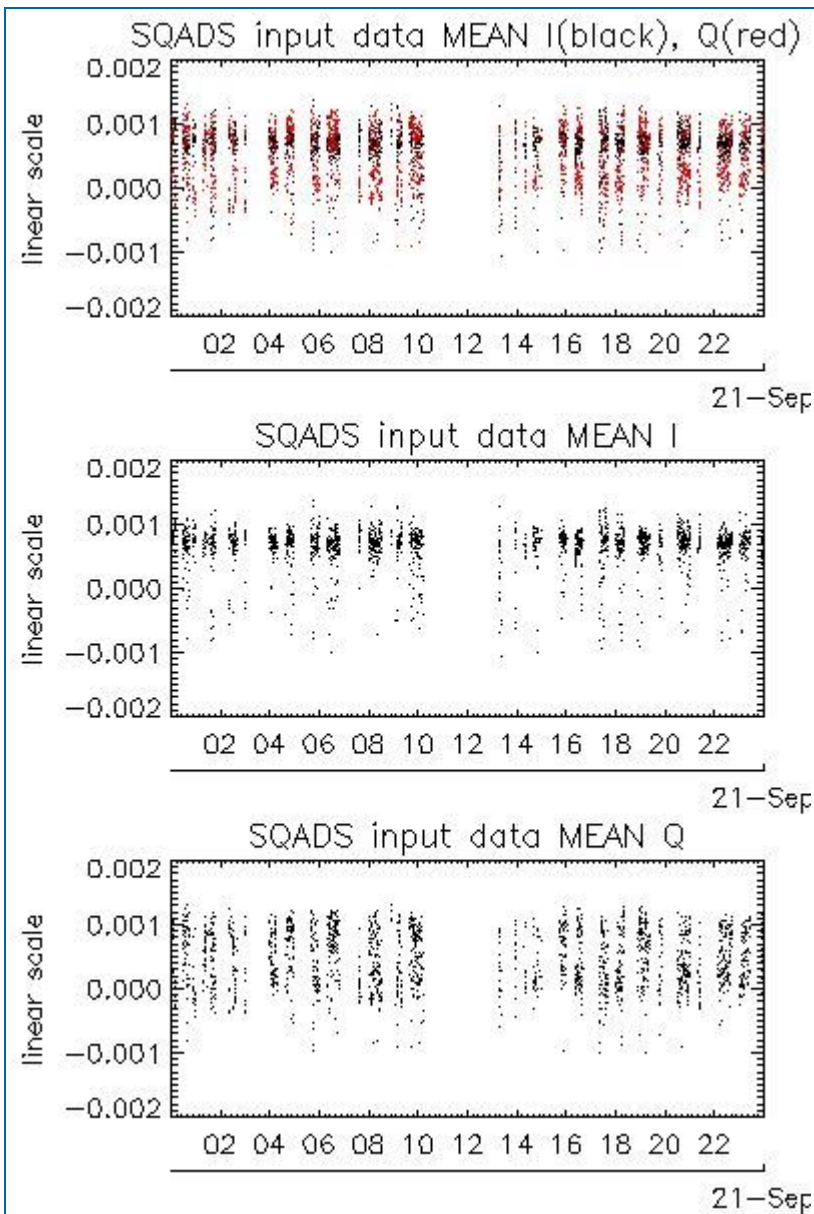


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

[[BACK TO MENU](#)]

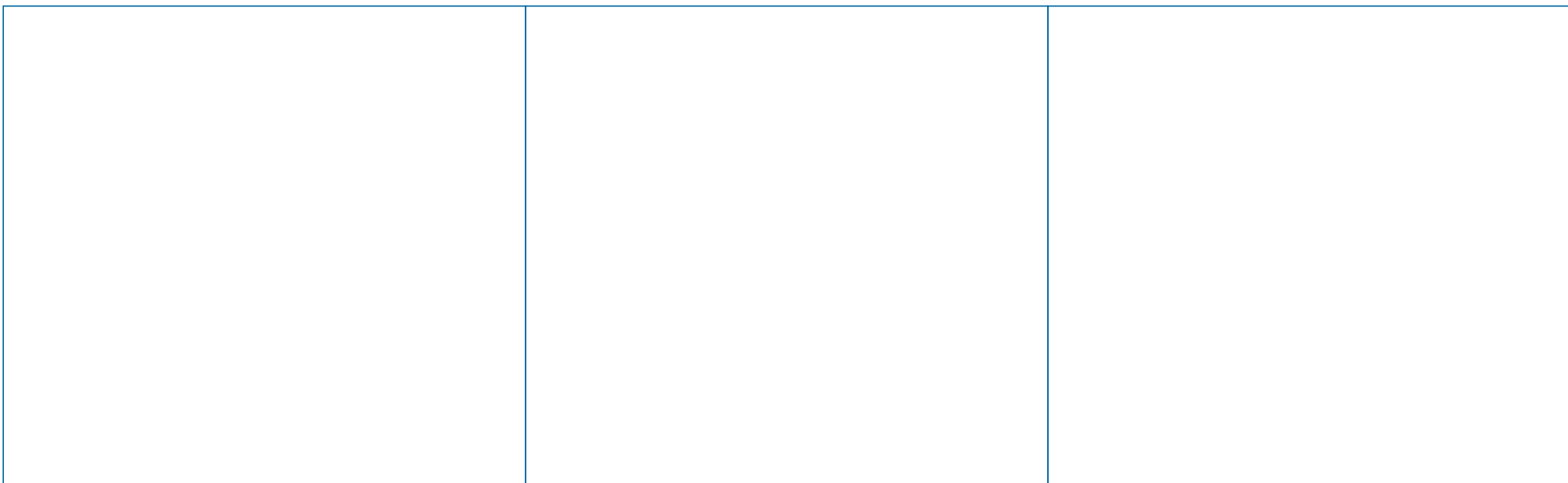
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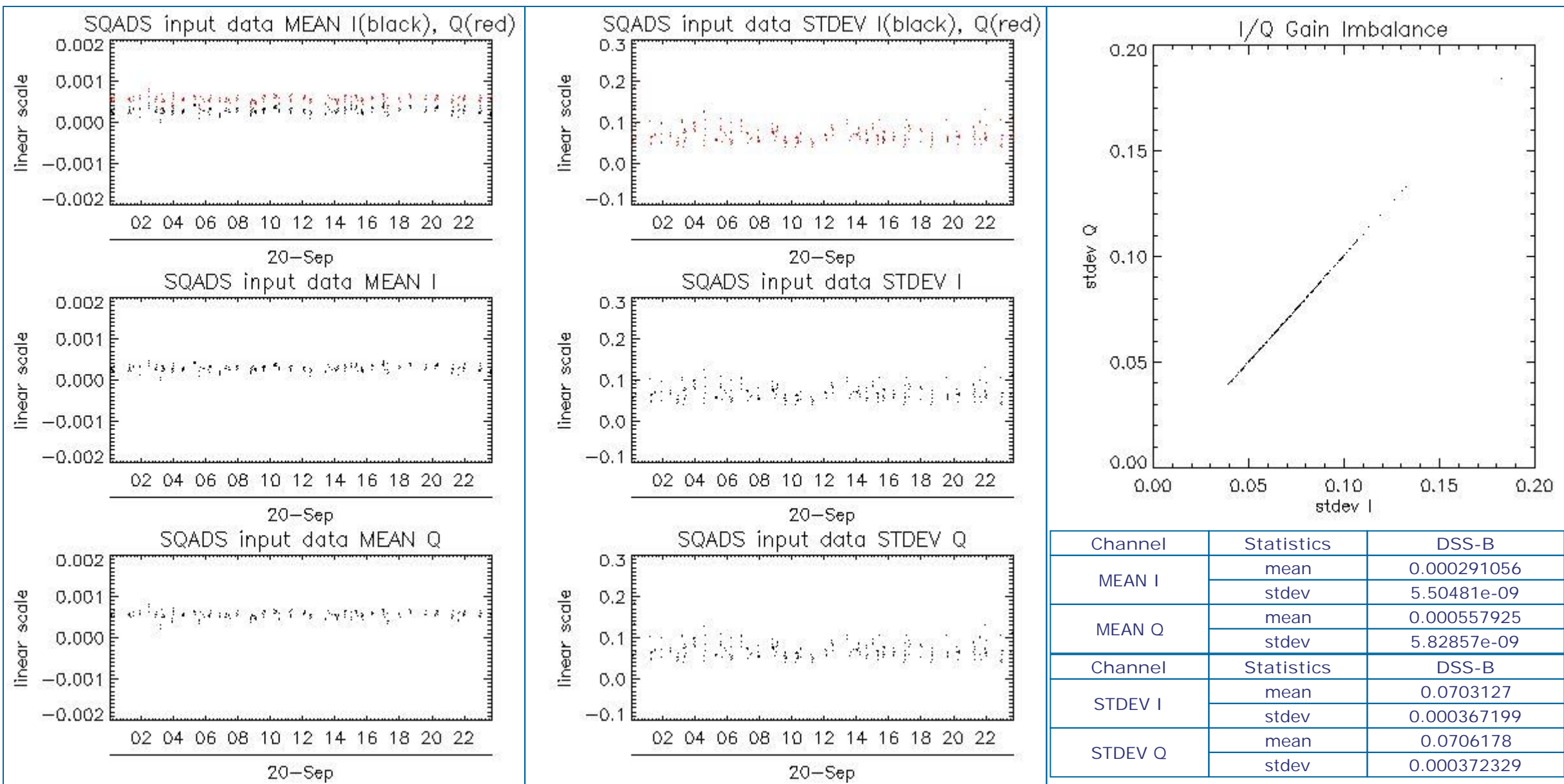


Channel	Statistics	DSS-B
MEAN I	mean	0.000649410
	stdev	1.09001e-07
MEAN Q	mean	0.000470661
	stdev	1.97825e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.153789
	stdev	0.00142454
STDEV Q	mean	0.154397
	stdev	0.00145414

7.2 - Analysis for IMM

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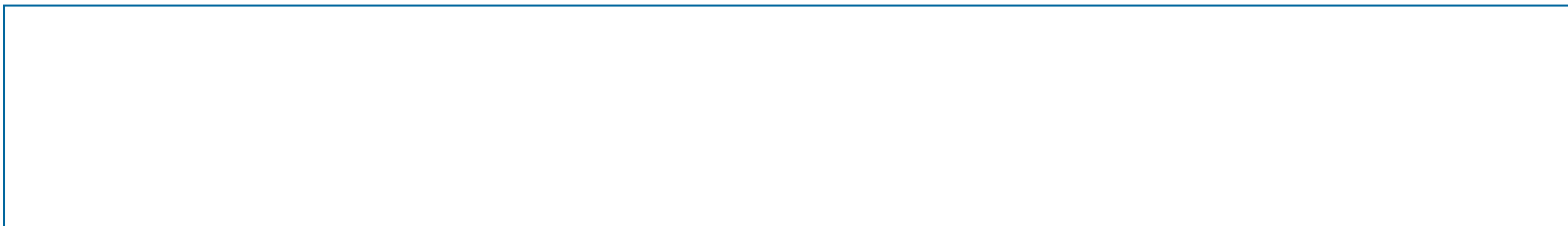


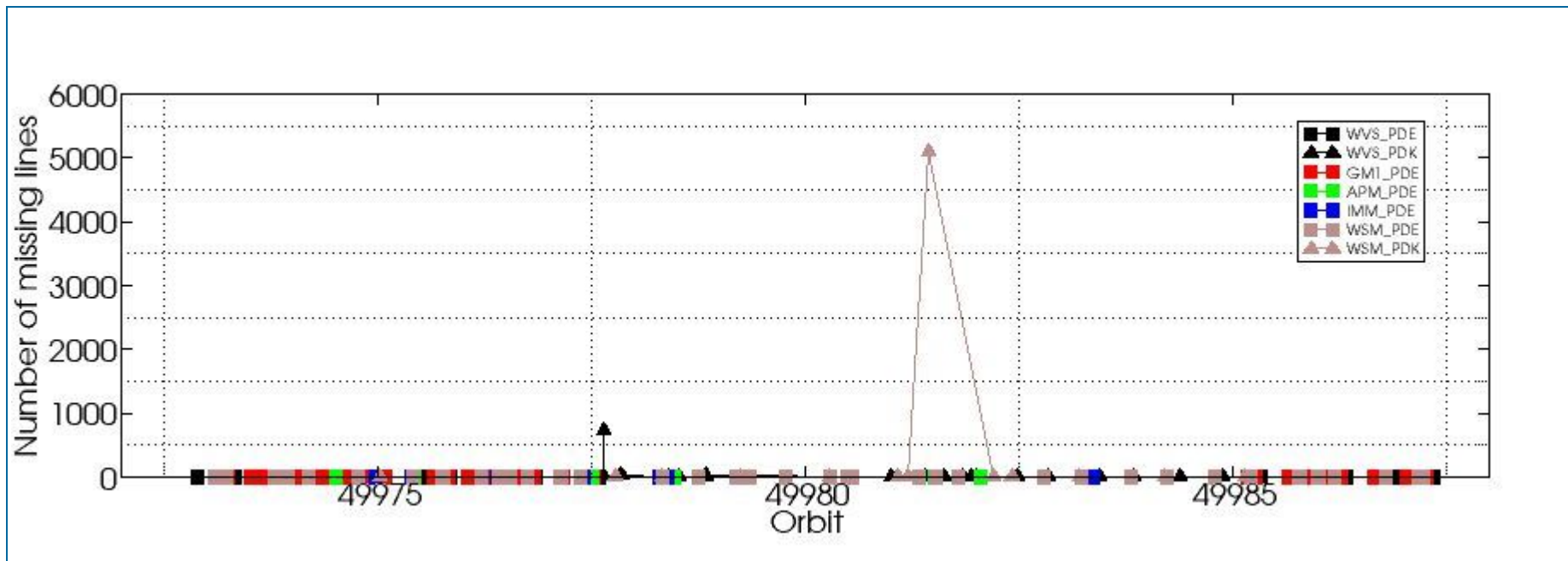
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDK	ASA_WVS_1PNPDK20110920_073842_00000753106_00394_49977_2219.N1	0	736
PDK	ASA_WVS_1PNPDK20110920_075951_000018443106_00394_49977_2214.N1	0	32
PDK	ASA_WVS_1PNPDK20110920_085522_00000443106_00395_49978_2196.N1	0	8
PDK	ASA_WVS_1PNPDK20110920_090708_000007793106_00395_49978_2195.N1	0	8
PDK	ASA_WVS_1PNPDK20110920_093956_000019043106_00395_49978_2194.N1	0	24
PDK	ASA_WSM_1PNPDK20110920_120357_000002513106_00397_49980_2229.N1	0	2
PDK	ASA_WSM_1PNPDK20110920_135942_000001593106_00398_49981_2279.N1	36	5090

8.1 - Number of Missing lines

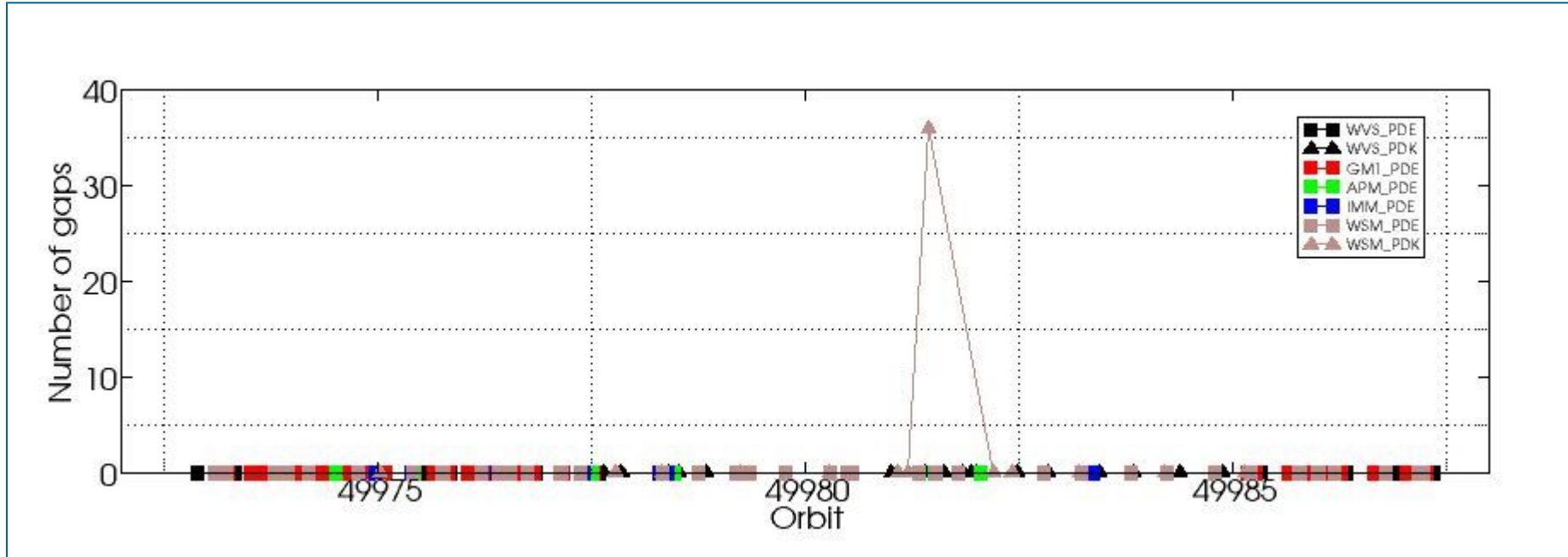
[BACK TO MENU]





8.2 - Number of Gaps

[[BACK TO MENU](#)]



ASAR DAILY REPORT for 110920
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-09-20 00:00:00

Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110920/

DATA SUMMARY

Summary will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110920/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_110920/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_110920/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110920/AUXILIARY

Creating directory ./RESULTS/DAILY/_110920/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20110920*current_3_IECF_ADFs.txt
No IECF ADFs list available for the selected period...

Writing file ./RESULTS/DAILY/_110920/AUXILIARY/ASAR_ADFs_IECF_List3.html...

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS

Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110920/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_110920/MODULE_STEPPING...
Creating directory ./RESULTS/DAILY/_110920/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDE20110920_060150_000000163106_00393_49976_0387.N1

H
H
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/TGH_20110920_060150-20010209_135042.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/TPH_20110920_060150-20010209_135042.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/RGH_20110920_060150-20010209_135042.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/RPH_20110920_060150-20010209_135042.png

Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20110919_081848_000000163106_00380_49963_0784.N1

V
V
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/TGV_20110919_081848-20010209_140823.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/TPV_20110919_081848-20010209_140823.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/RGV_20110919_081848-20010209_140823.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/SECOND_REFERENCE/RPV_20110919_081848-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H
Reference product: ASA_MS__0PNPDK20110919_063834_000000163106_00379_49962_0783.N1
Test product: ASA_MS__0PNPDE20110920_060150_000000163106_00393_49976_0387.N1

H
H
../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20110920_060150-20110919_063834.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20110920_060150-20110919_063834.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20110920_060150-20110919_063834.png
../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20110920_060150-20110919_063834.png

Polarization: V
Reference product: ASA_MS__0PNPDK20110918_085533_000000163106_00366_49949_0782.N1
Test product: ASA_MS__0PNPDK20110919_081848_000000163106_00380_49963_0784.N1

```
V
V
../../../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20110919_081848-20110918_085533.png
../../../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20110919_081848-20110918_085533.png
../../../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20110919_081848-20110918_085533.png
../../../../RESULTS/DAILY/_110920/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20110919_081848-20110918_085533.png
```

MODULE_STEPPING ANALYSIS completed

#####

CALIBRATION PULSES ANALYSIS

#####

Creating directory ./RESULTS/DAILY/_110920/CALIBRATION_PULSES...

ALL ROWS Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing products WVS IS2 V/V

1 61281 7 61281

Writing image ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...

Analysing products GM1 SS3 H/H

1 22273 7 22273

Writing image ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing products WVS IS2 V/V

Getting calibration pulses data for WVS IS2 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-09-20_1.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-09-20_2.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 3/7/11/15/19/23/27/31

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-09-20_3.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 4/8/12/16/20/24/28/32

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-09-20_4.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...

Writing ../../RESULTS/DAILY/_110920//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 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 1/5/9/13/17/21/25/29

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-09-20_1.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 2/6/10/14/18/22/26/30

Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-09-20_2.dat...

Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...
Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-09-20_3.dat...
Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-09-20 00:00:00 to 2011-09-20 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110920/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-09-20_4.dat...
Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_110920//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_110920/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DOPPLER/Doppler_data_WVS_IS2_VV_2011-09-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110920/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DOPPLER/Doppler_data_GM1_SS1_HH_2011-09-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110920/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/DOPPLER/Doppler_Jumps_data_WSM_2011-09-20.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110920/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_110920/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing products WVS IS2 V/V

977
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.WV_2
87.7758
10.5846

-66.5771
-142.520
-216.086
-286.172
-351.735
-411.816
-465.557
-512.209
-551.146
-581.874
-604.040
-617.434
-621.993
-617.804
-605.099
-584.252
-555.770
-520.289
-478.560
-431.434
-379.856
-324.838
-267.455
-208.814
-150.050
-92.2908
-36.6568
15.7690
63.9616
106.958
143.888
173.973
196.555
211.098
217.196
214.587
203.150
182.918
154.068
116.919
71.9387
19.7218
-39.0043
-103.408
-172.552
-245.410
-320.887
-397.839
-475.084
-551.423
-625.659
-696.616
-763.167
-824.227
-878.795
-925.960
-964.912
-994.961
-1015.54
-1026.24
-1026.75
-1016.96
-996.863
-966.640
-926.597
-877.190
-819.014
-752.784

-679.341
-599.625
-514.669
-425.588
-333.549
-239.763
-145.472
-51.9192
39.6591
128.055
212.107
290.720
362.878
427.653
484.231
531.914
570.135
598.464
616.615
624.452
621.987
609.384
586.949
555.141
514.541
465.868
409.943
347.705
280.167
208.420
133.607
87.7758

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -32.157097 Hz

Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...

Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

940

Loading predicted doppler values....

./PREDICTED_DOPPLER/doppler.WV_2

87.7758
10.5846
-66.5771
-142.520
-216.086
-286.172
-351.735
-411.816
-465.557
-512.209
-551.146
-581.874
-604.040
-617.434
-621.993
-617.804
-605.099
-584.252
-555.770
-520.289
-478.560
-431.434
-379.856
-324.838

-267.455
-208.814
-150.050
-92.2908
-36.6568
15.7690
63.9616
106.958
143.888
173.973
196.555
211.098
217.196
214.587
203.150
182.918
154.068
116.919
71.9387
19.7218
-39.0043
-103.408
-172.552
-245.410
-320.887
-397.839
-475.084
-551.423
-625.659
-696.616
-763.167
-824.227
-878.795
-925.960
-964.912
-994.961
-1015.54
-1026.24
-1026.75
-1016.96
-996.863
-966.640
-926.597
-877.190
-819.014
-752.784
-679.341
-599.625
-514.669
-425.588
-333.549
-239.763
-145.472
-51.9192
39.6591
128.055
212.107
290.720
362.878
427.653
484.231
531.914
570.135
598.464
616.615
624.452
621.987
609.384

586.949
555.141
514.541
465.868
409.943
347.705
280.167
208.420
133.607
87.7758

Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -32.499265 Hz
Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_asc.jpg...

Analysing products GM1 SS1 H/H

1664
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.GM_1

216.826
136.479
56.1549
-22.9067
-99.5006
-172.474
-240.743
-303.307
-359.271
-407.856
-448.408
-480.415
-503.506
-517.465
-522.225
-517.876
-504.660
-482.966
-453.319
-416.384
-372.939
-323.868
-270.156
-212.854
-153.080
-91.9846
-30.7489
29.4535
87.4579
142.137
192.422
237.312
275.898
307.370
331.039
346.345
352.861
350.313
338.571
317.665
287.775
249.231
202.516

148.246
87.1750
20.1678
-51.8021
-127.666
-206.286
-286.470
-366.984
-446.581
-524.012
-598.050
-667.520
-731.288
-788.309
-837.633
-878.414
-909.930
-931.592
-942.955
-943.721
-933.748
-913.049
-881.794
-840.306
-789.059
-728.670
-659.882
-583.571
-500.712
-412.383
-319.741
-224.000
-126.420
-28.2956
69.0819
164.424
256.474
344.022
425.926
501.129
568.661
627.675
677.441
717.367
747.001
766.044
774.352
771.933
758.957
735.740
702.757
660.611
610.049
551.927
487.220
416.983
342.352
264.518
216.826

Phase: descending

Found data...

Computing mean error doppler estimated-predicted...

Mean error = -18.483663 Hz

Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...

Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...

1109
Loading predicted doppler values....
./PREDICTED_DOPPLER/doppler.GM_1
216.826
136.479
56.1549
-22.9067
-99.5006
-172.474
-240.743
-303.307
-359.271
-407.856
-448.408
-480.415
-503.506
-517.465
-522.225
-517.876
-504.660
-482.966
-453.319
-416.384
-372.939
-323.868
-270.156
-212.854
-153.080
-91.9846
-30.7489
29.4535
87.4579
142.137
192.422
237.312
275.898
307.370
331.039
346.345
352.861
350.313
338.571
317.665
287.775
249.231
202.516
148.246
87.1750
20.1678
-51.8021
-127.666
-206.286
-286.470
-366.984
-446.581
-524.012
-598.050
-667.520
-731.288
-788.309
-837.633
-878.414
-909.930
-931.592
-942.955
-943.721
-933.748
-913.049

-881.794
-840.306
-789.059
-728.670
-659.882
-583.571
-500.712
-412.383
-319.741
-224.000
-126.420
-28.2956
69.0819
164.424
256.474
344.022
425.926
501.129
568.661
627.675
677.441
717.367
747.001
766.044
774.352
771.933
758.957
735.740
702.757
660.611
610.049
551.927
487.220
416.983
342.352
264.518
216.826

Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -36.636135 Hz
Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110920//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...

DOPPLER ANALYSIS completed
#####

CHIRP ANALYSIS

Creating directory ./RESULTS/DAILY/_110920/CHIRP...

CHIRP Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Analysing products WSM SS1 H/H

Getting ScaleFactor data for WSM SS1 H/H from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...
Writing file ./RESULTS/DAILY/_110920/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-09-20.dat...
Running IDL program...

Writing file ../../RESULTS/DAILY/_110920/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110920/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...

Analysing products WSM SS1 V/V

Getting ScaleFactor data for WSM SS1 V/V from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...

Writing file ./RESULTS/DAILY/_110920/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-09-20.dat...

Running IDL program...

Writing file ../../RESULTS/DAILY/_110920/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...

Writing file ../../RESULTS/DAILY/_110920/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

#####

Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/_110920/RAW_DATA

Creating directory ./RESULTS/DAILY/_110920/RAW_DATA...

Getting raw data for WVS from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...

Writing file ./RESULTS/DAILY/_110920/RAW_DATA/Raw_data_WVS_2011-09-20.dat...

Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_WVS_input_mean.png...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_WVS_input_stdev.png...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-09-20 00:00:00 to 2011-09-20 23:59:59...

Writing file ./RESULTS/DAILY/_110920/RAW_DATA/Raw_data_IMM_2011-09-20.dat...

Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_IMM_input_mean.png...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_IMM_input_stdev.png...

Creating image ../../RESULTS/DAILY/_110920/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

#####

Analysis will be performed from 2011-09-20 00:00:00 to 2011-09-20 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/_110920/TELEMETRY

Creating directory ./RESULTS/DAILY/_110920/TELEMETRY...

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

Checking 27 products from PDE...

Checking 19 products from PDK...

Found product...ASA_WVS_1PNPDK20110920_073842_00000753106_00394_49977_2219.N1 / 0 gaps / 736 missing lines

Found product...ASA_WVS_1PNPDK20110920_075951_000018443106_00394_49977_2214.N1 / 0 gaps / 32 missing lines

Found product...ASA_WVS_1PNPDK20110920_085522_00000443106_00395_49978_2196.N1 / 0 gaps / 8 missing lines

Found product...ASA_WVS_1PNPDK20110920_090708_000007793106_00395_49978_2195.N1 / 0 gaps / 8 missing lines

Found product...ASA_WVS_1PNPDK20110920_093956_000019043106_00395_49978_2194.N1 / 0 gaps / 24 missing lines

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

Checking 38 products from PDE...
No products from PDK...

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

Checking 6 products from PDE...
No products from PDK...

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

Checking 8 products from PDE...
No products from PDK...

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

Checking 39 products from PDE...
Checking 13 products from PDK...
Found product...ASA_WSM_1PNPDK20110920_120357_000002513106_00397_49980_2229.N1 / 0 gaps / 2 missing lines
Found product...ASA_WSM_1PNPDK20110920_135942_000001593106_00398_49981_2279.N1 / 36 gaps / 5090 missing lines

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/_110920/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_110920/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

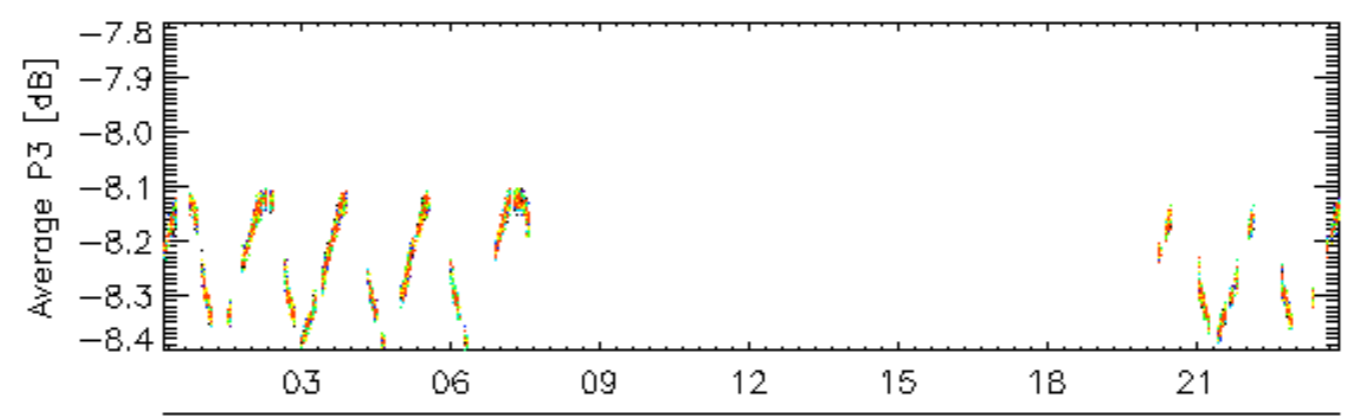
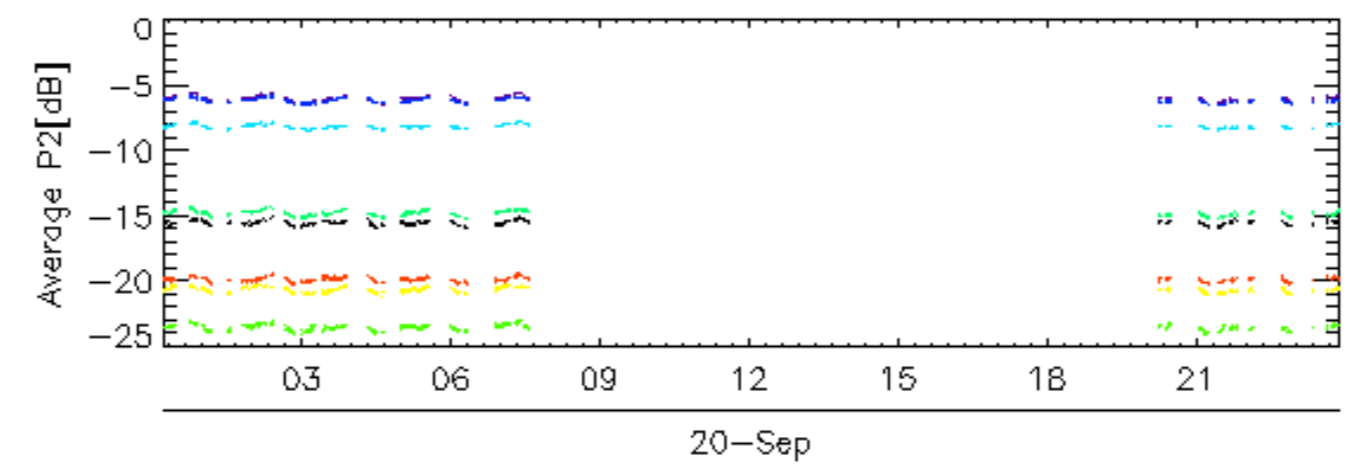
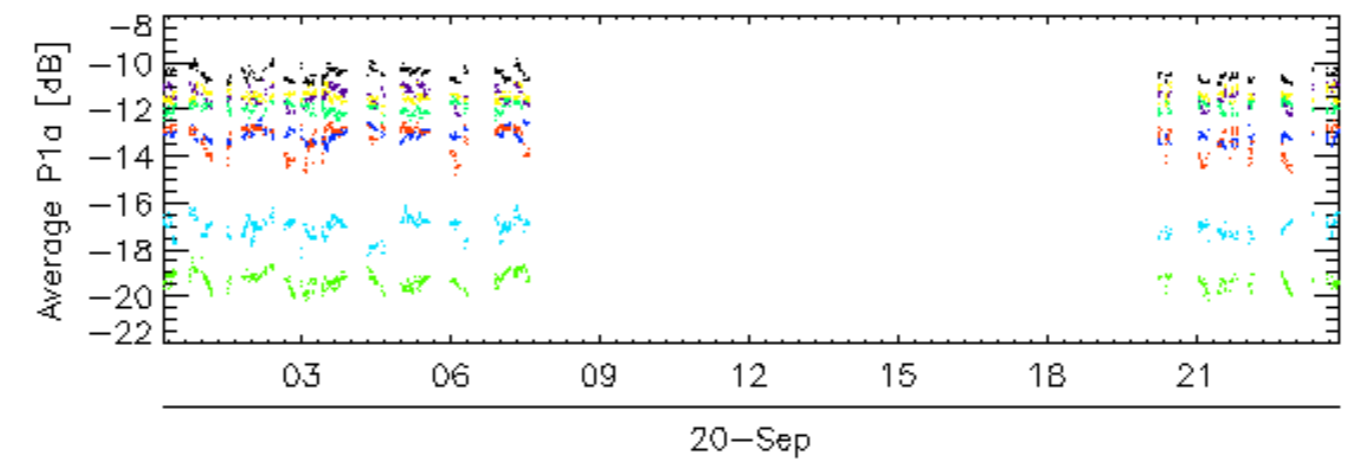
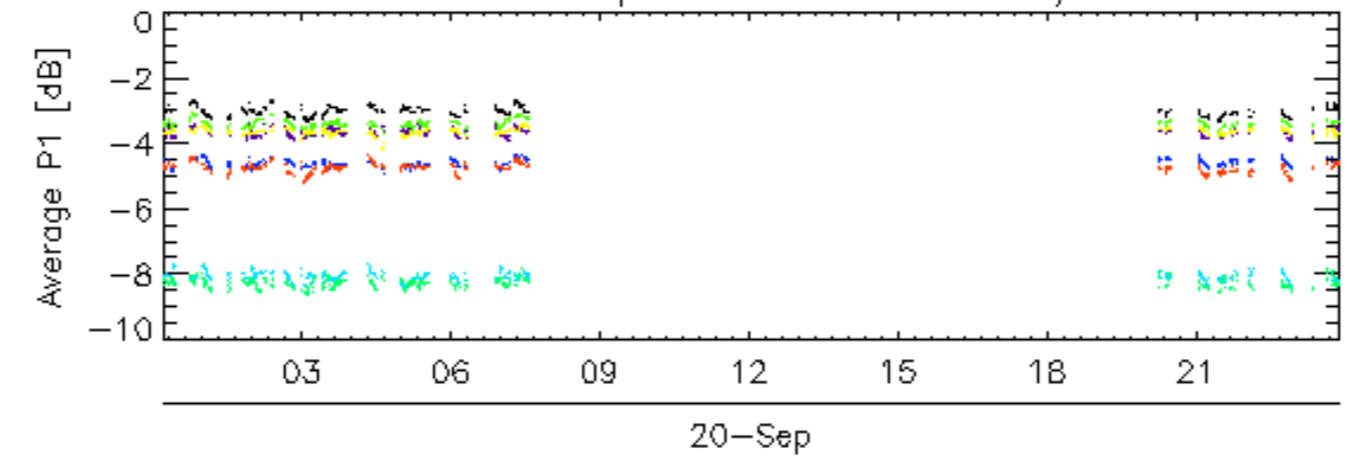
HTML REPORT generation
#####

Building file ./RESULTS/DAILY/_110920/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
#####

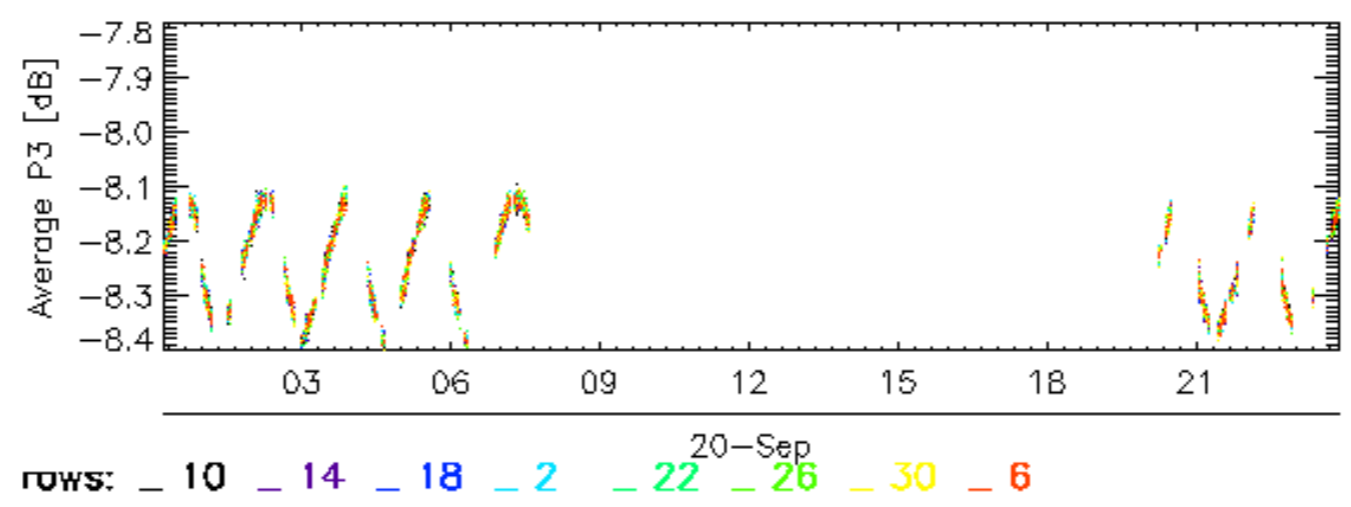
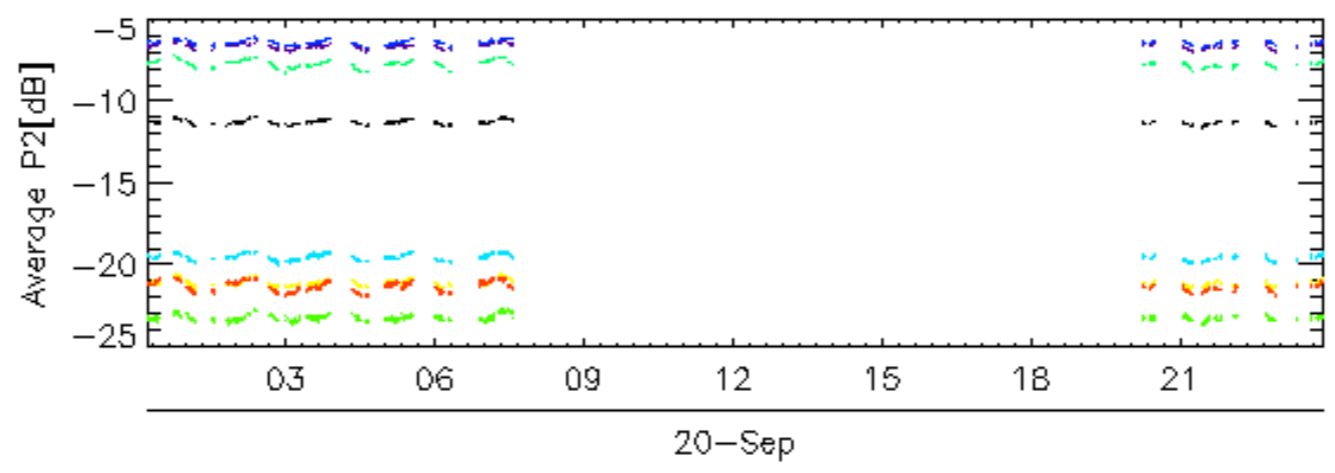
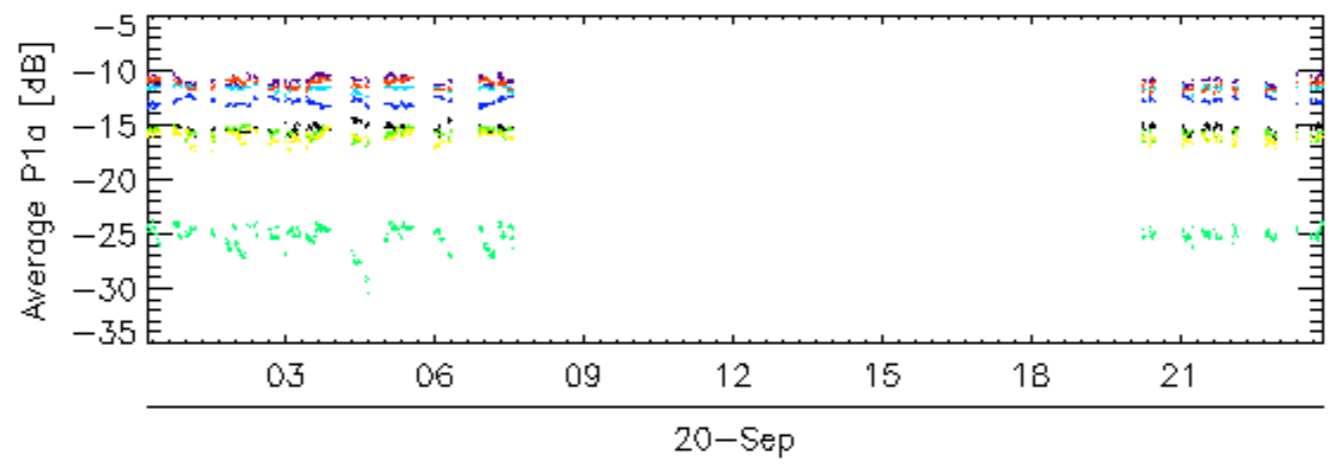
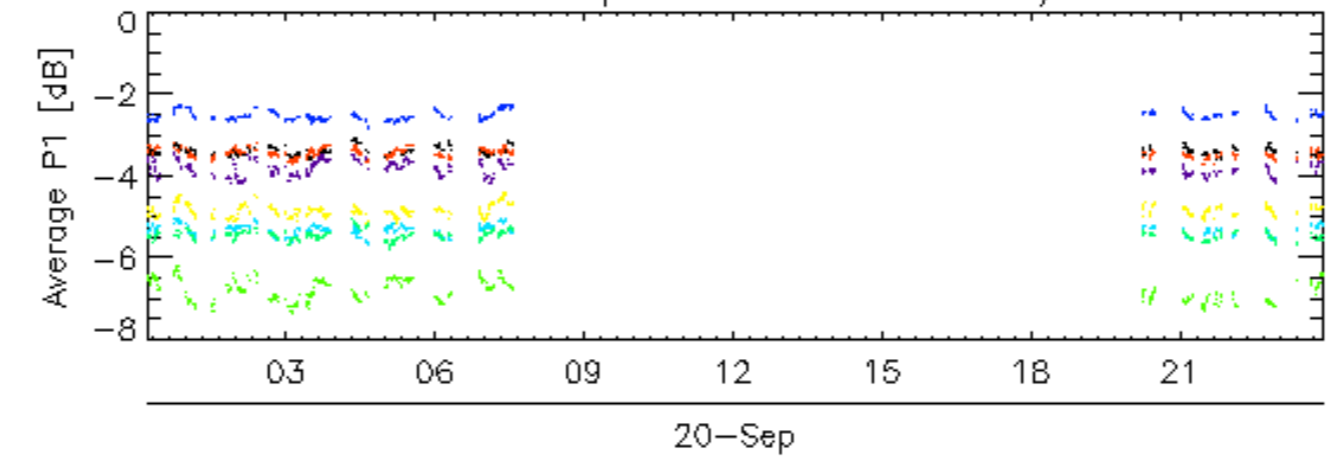


Calibration pulses for GM1 SS3 H/H

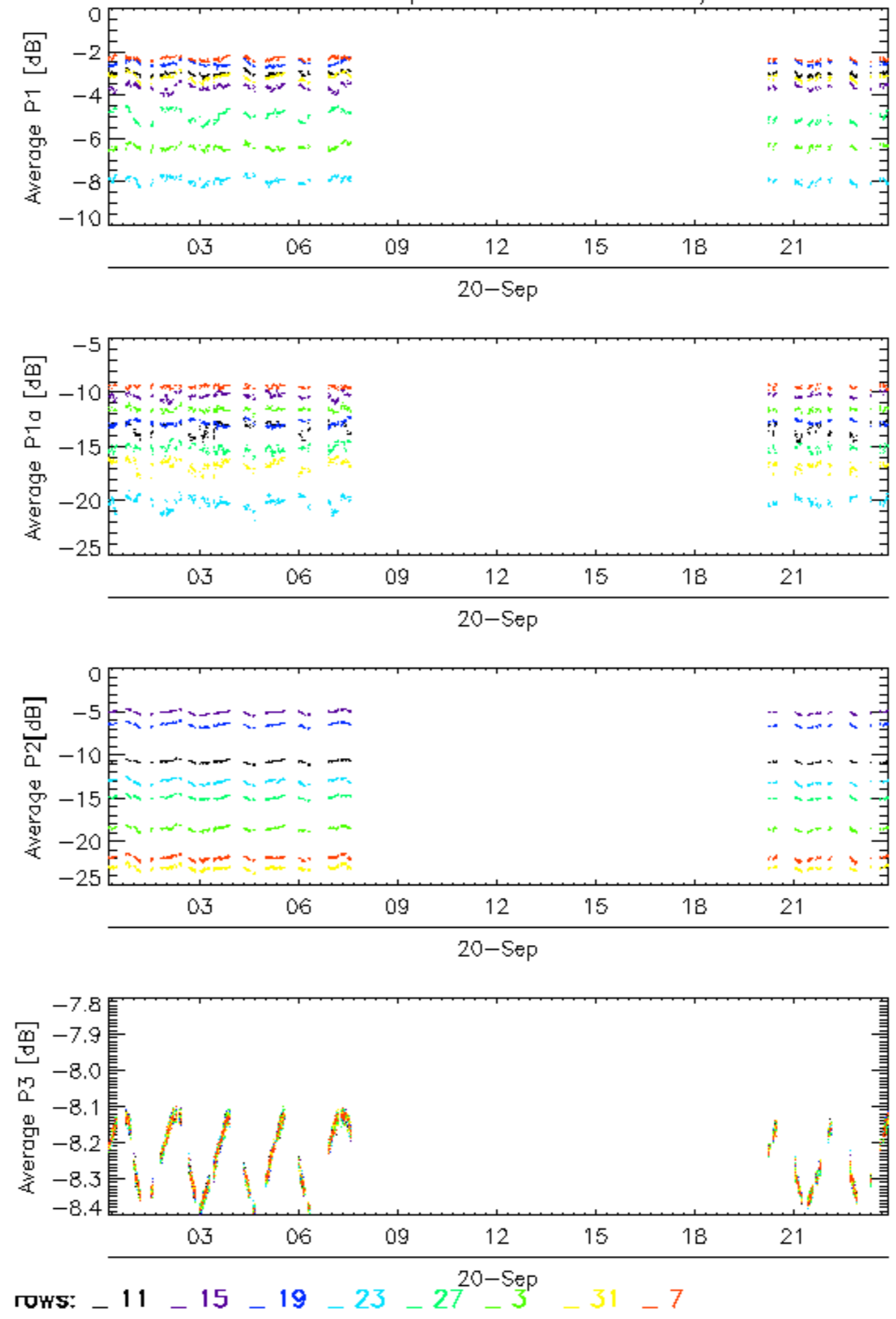


rows: _ 1 _ 13 _ 17 _ 21 _ 25 _ 29 _ 5 _ 9

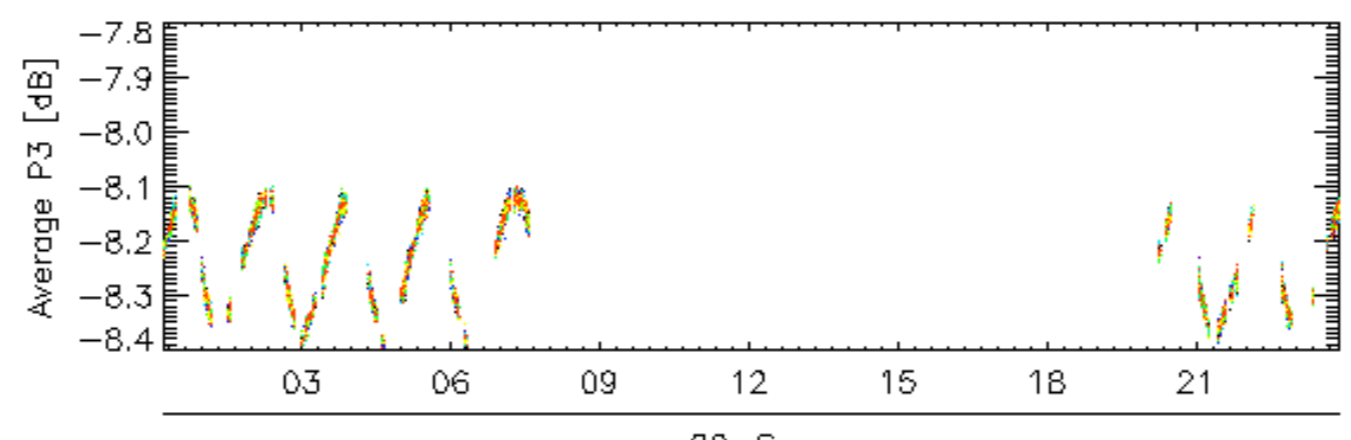
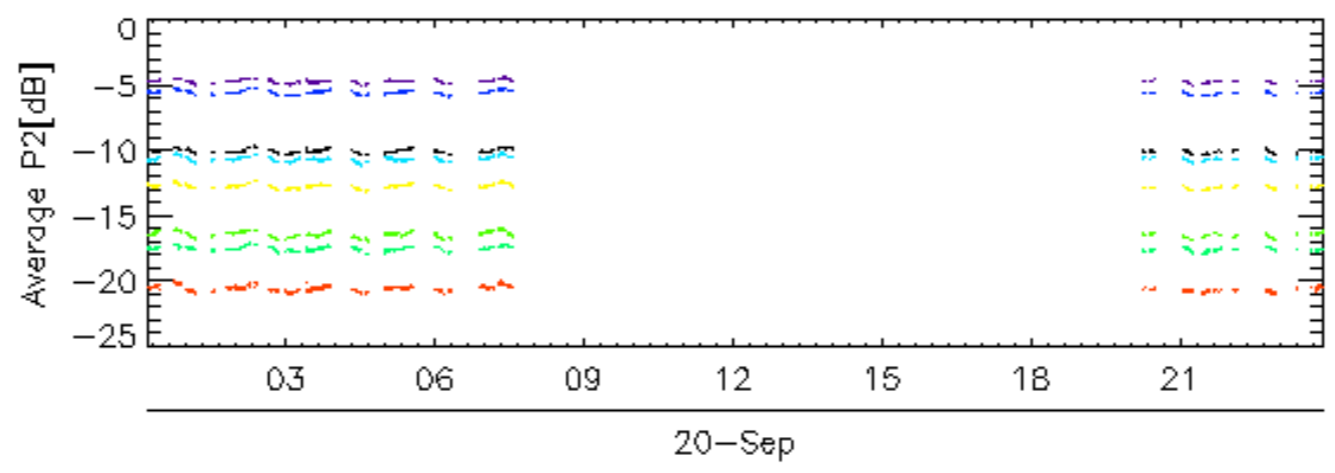
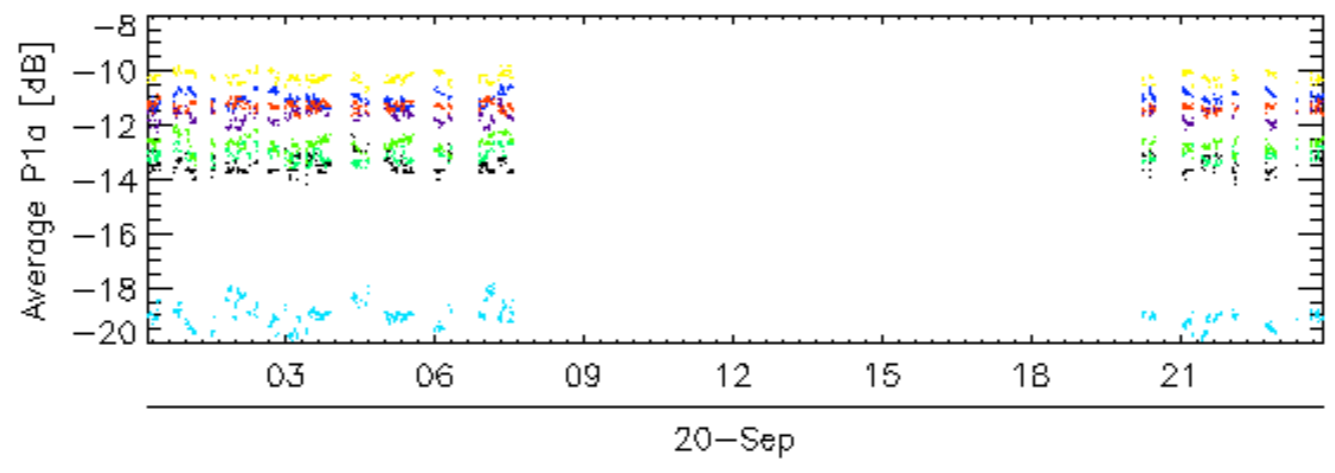
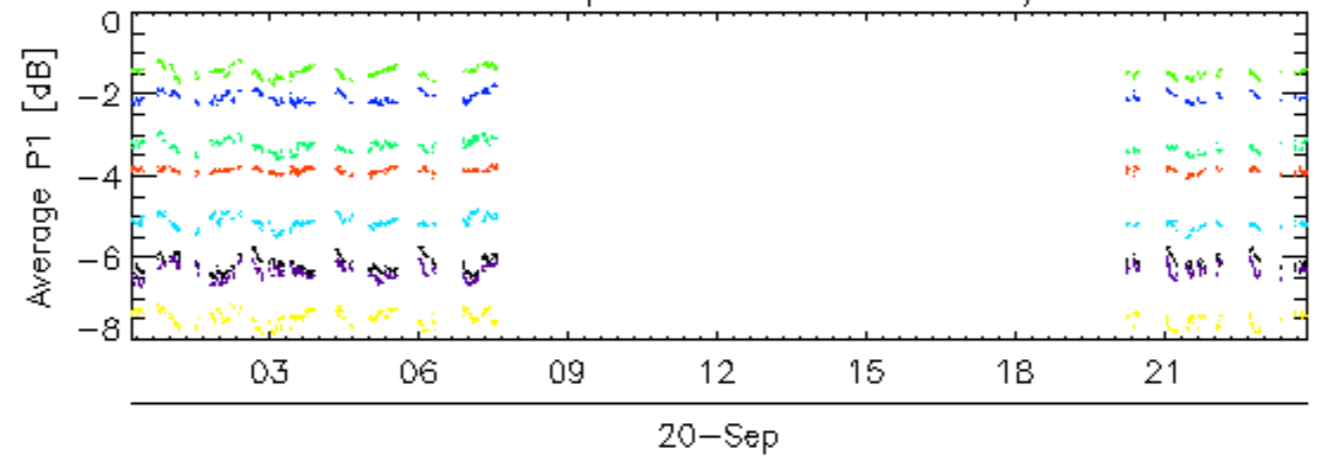
Calibration pulses for GM1 SS3 H/H



Calibration pulses for GM1 SS3 H/H

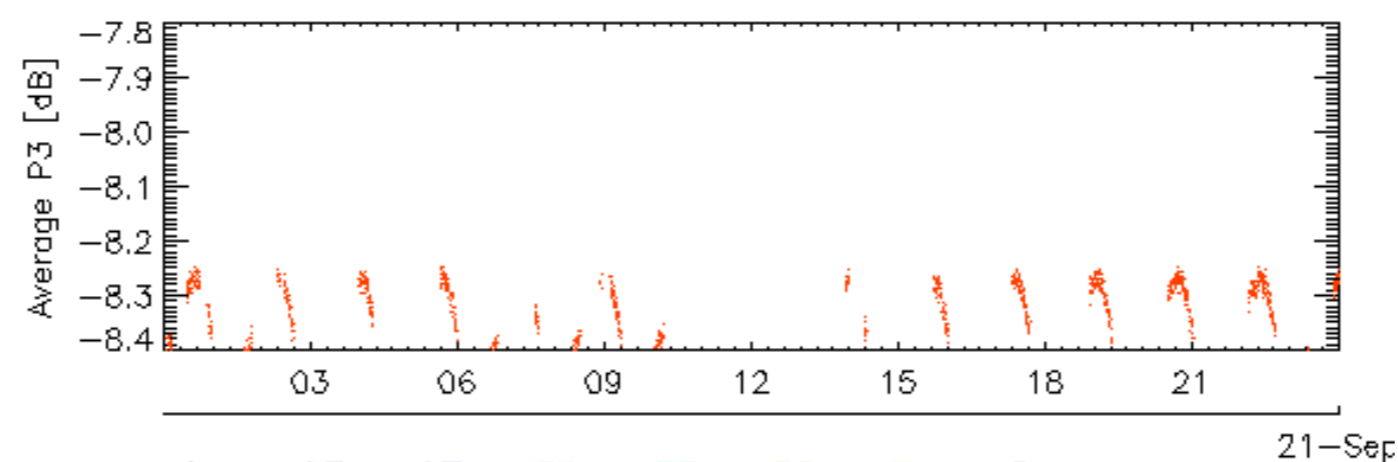
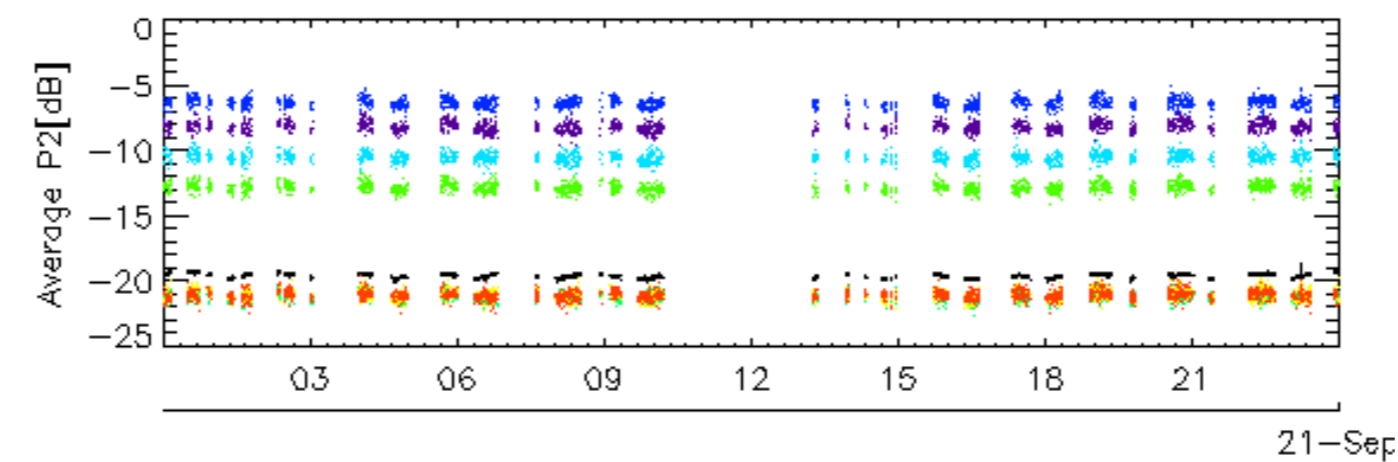
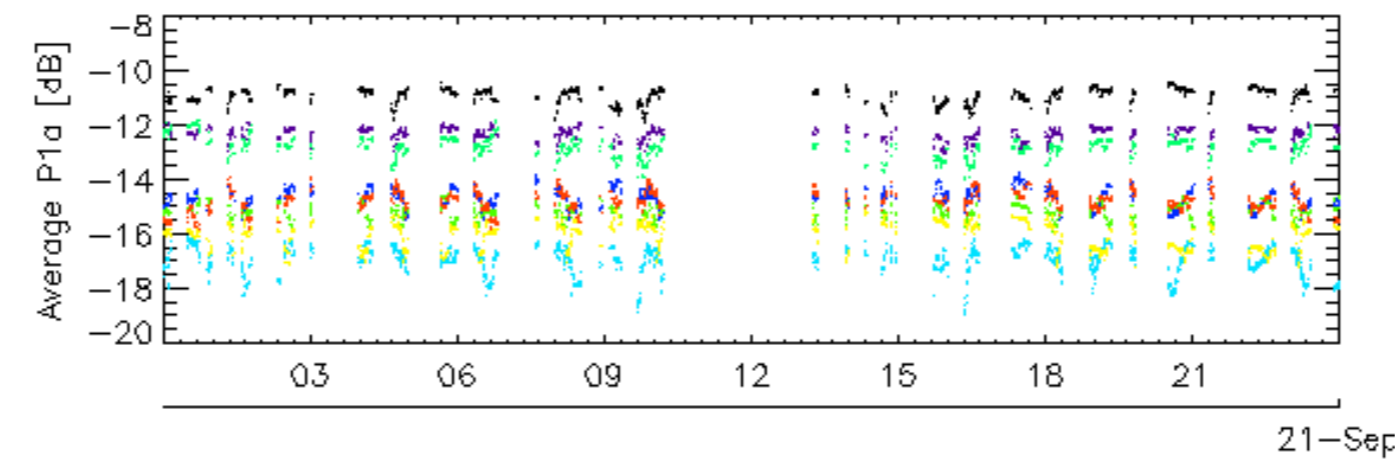
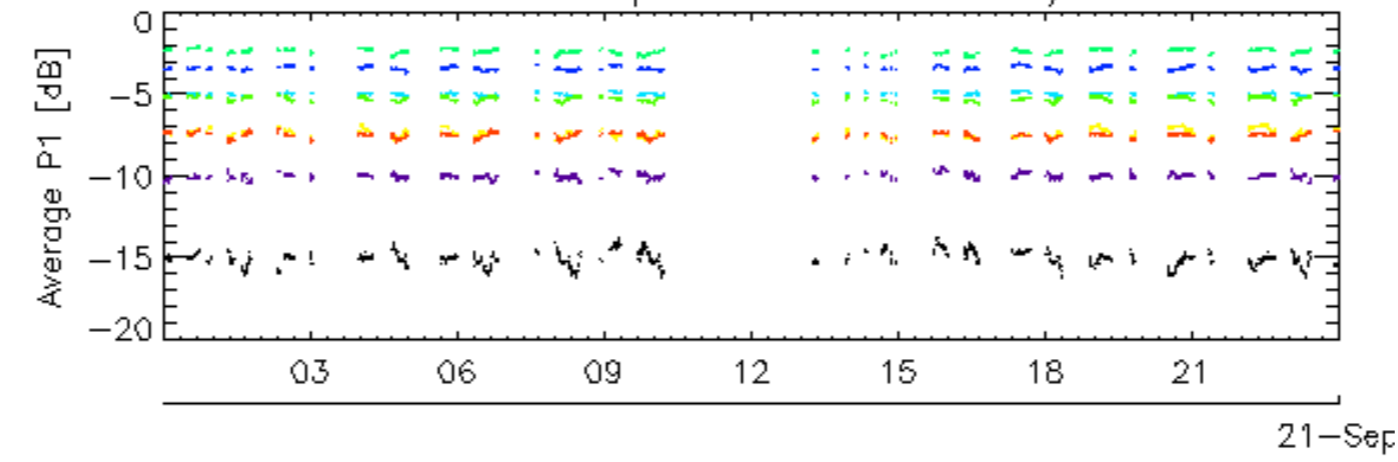


Calibration pulses for GM1 SS3 H/H



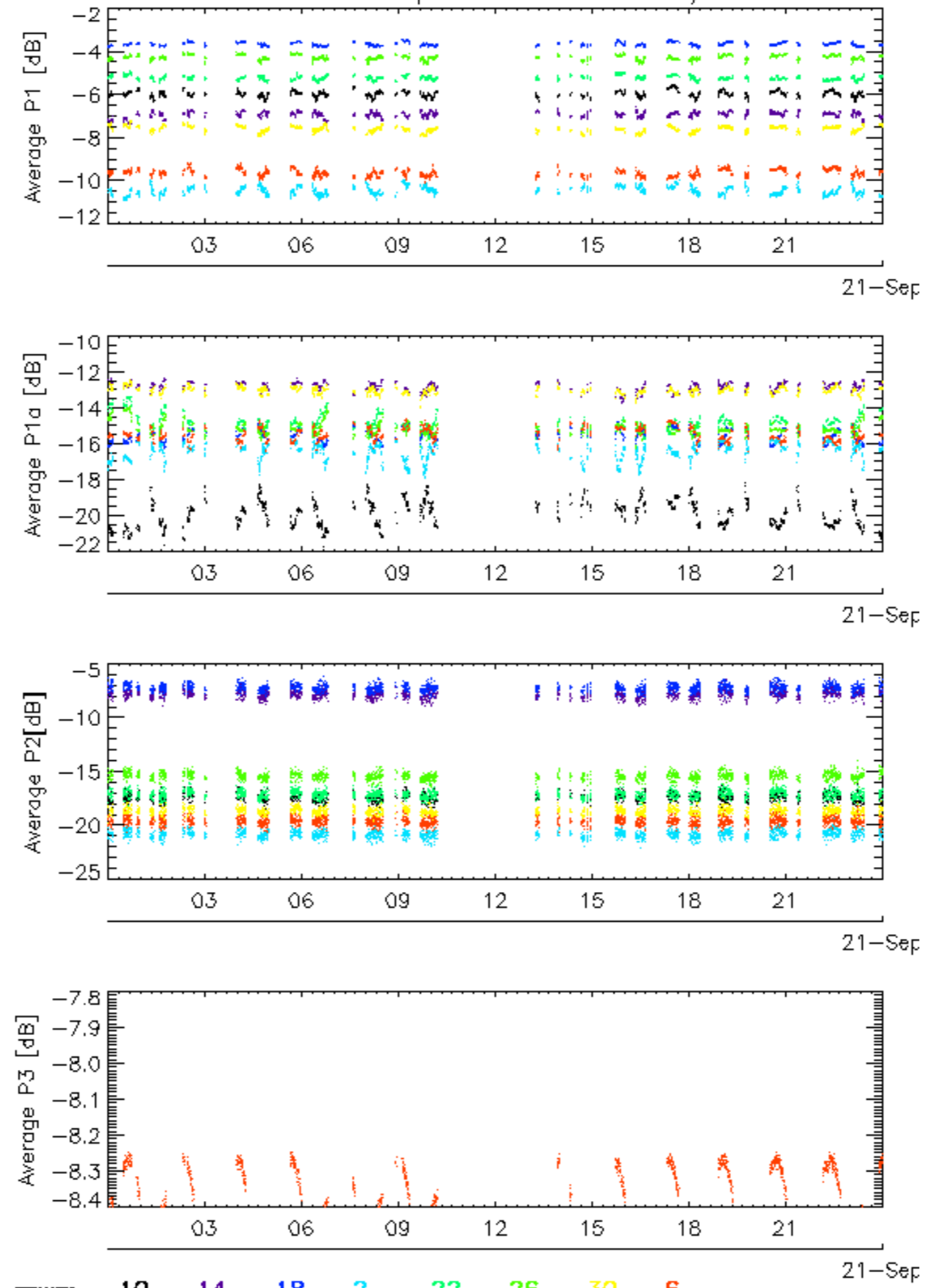
rows: _ 12 _ 16 _ 20 _ 24 _ 28 _ 32 _ 4 _ 8

Calibration pulses for WVS IS2 V/V

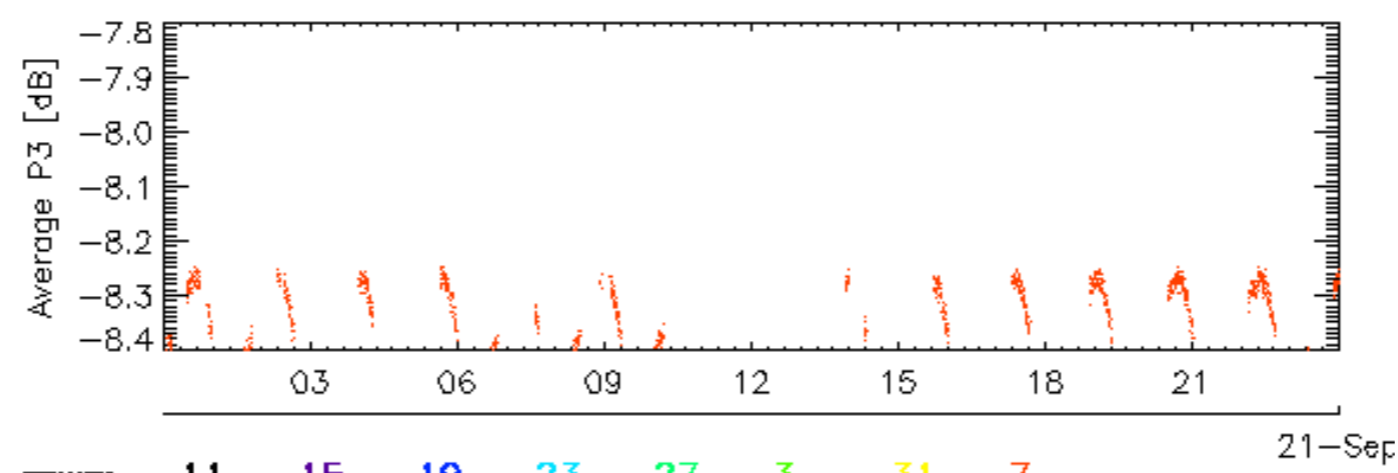
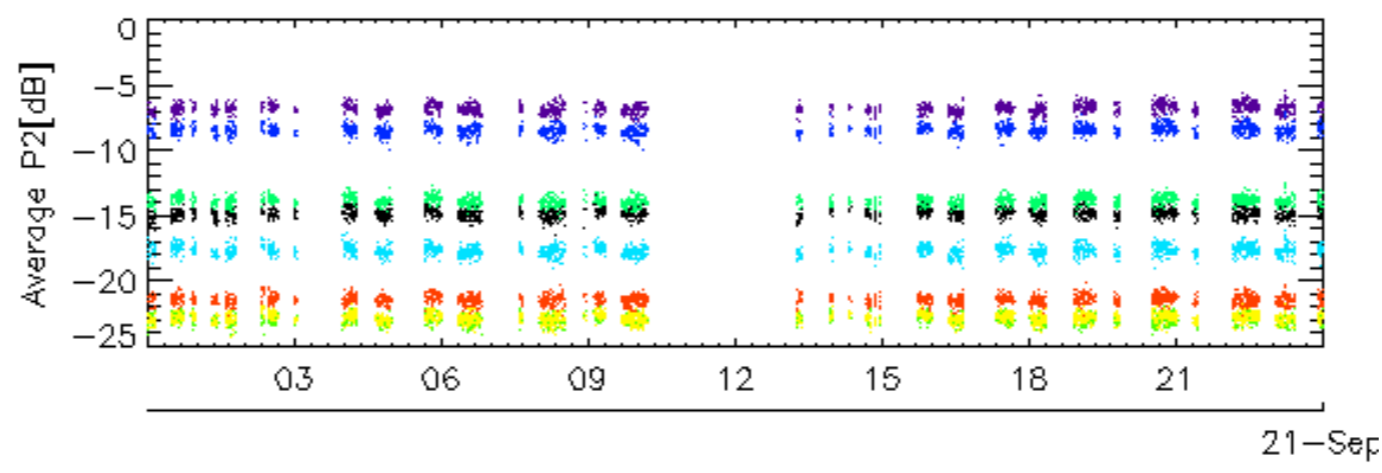
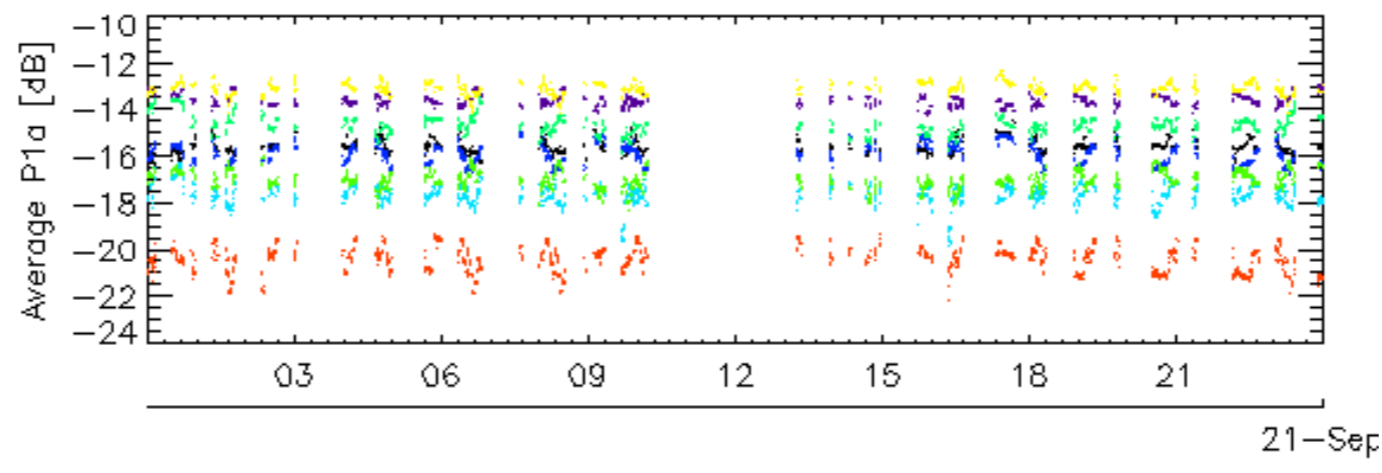
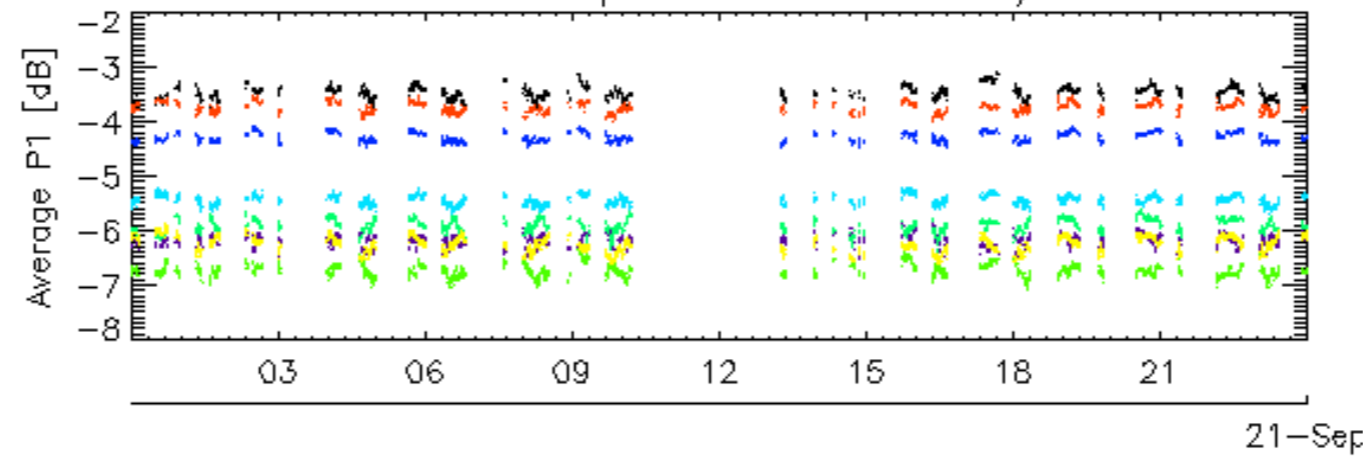


rows: _ 1 _ 13 _ 17 _ 21 _ 25 _ 29 _ 5 _ 9

Calibration pulses for WVS IS2 V/V

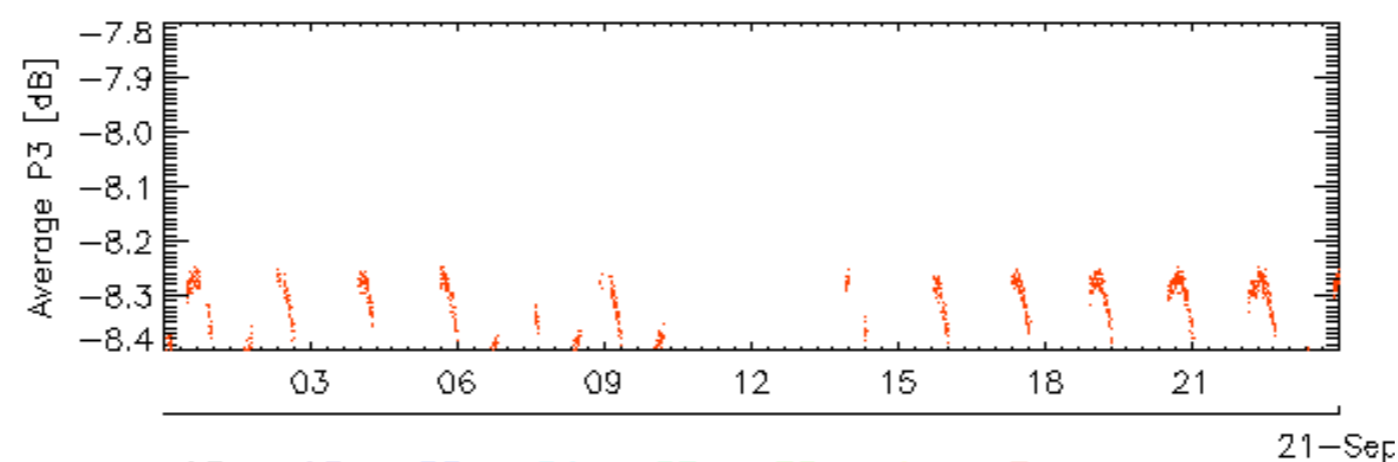
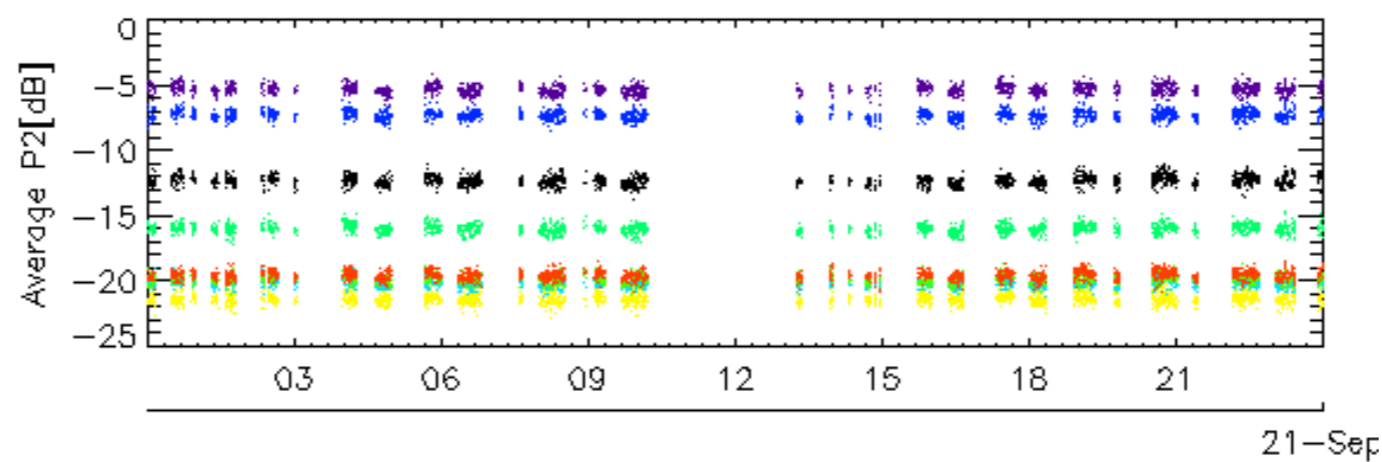
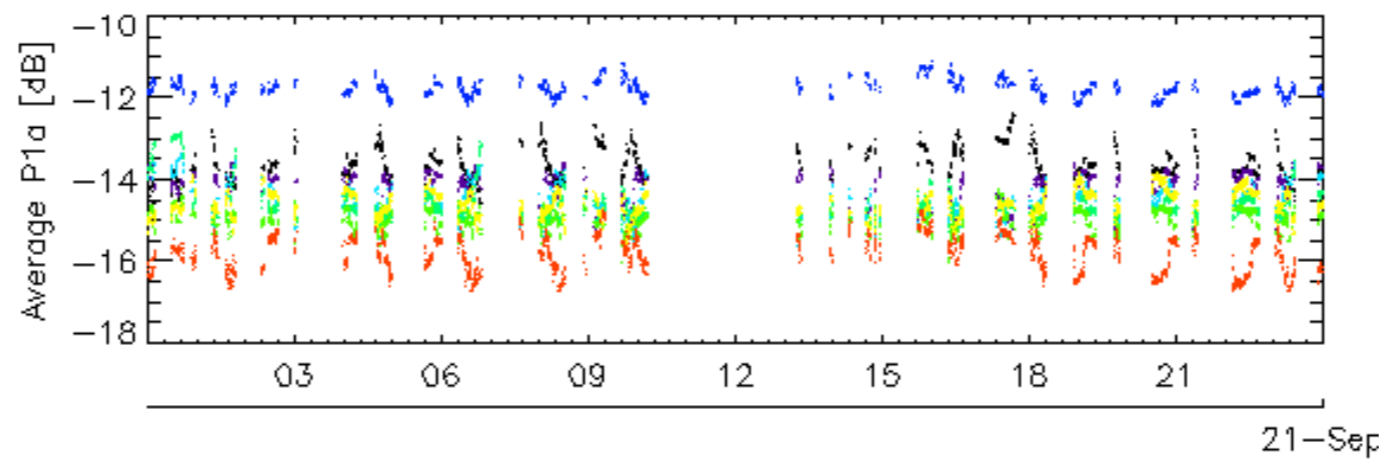
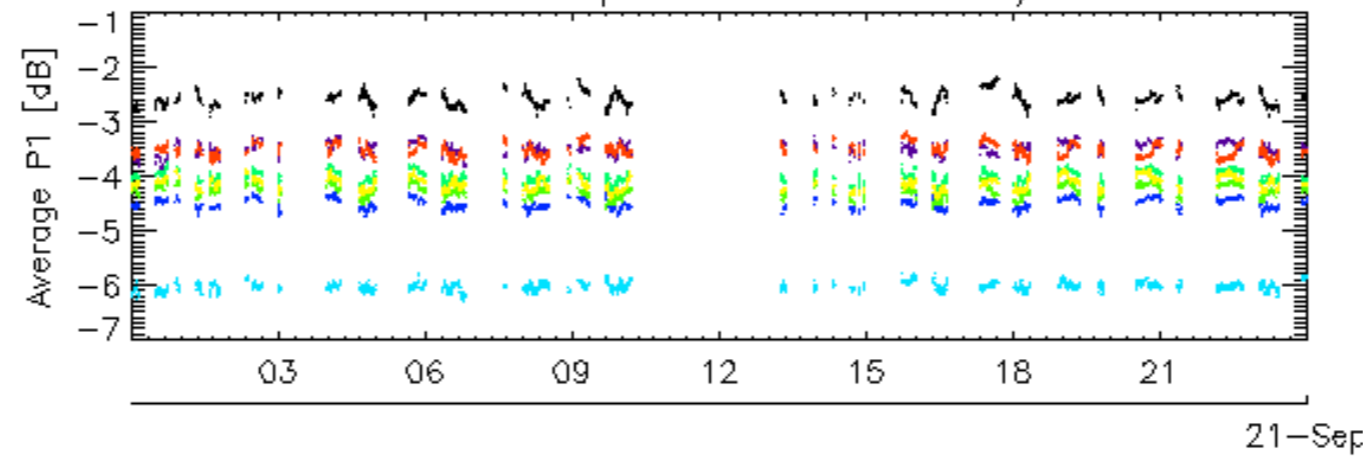


Calibration pulses for WVS IS2 V/V

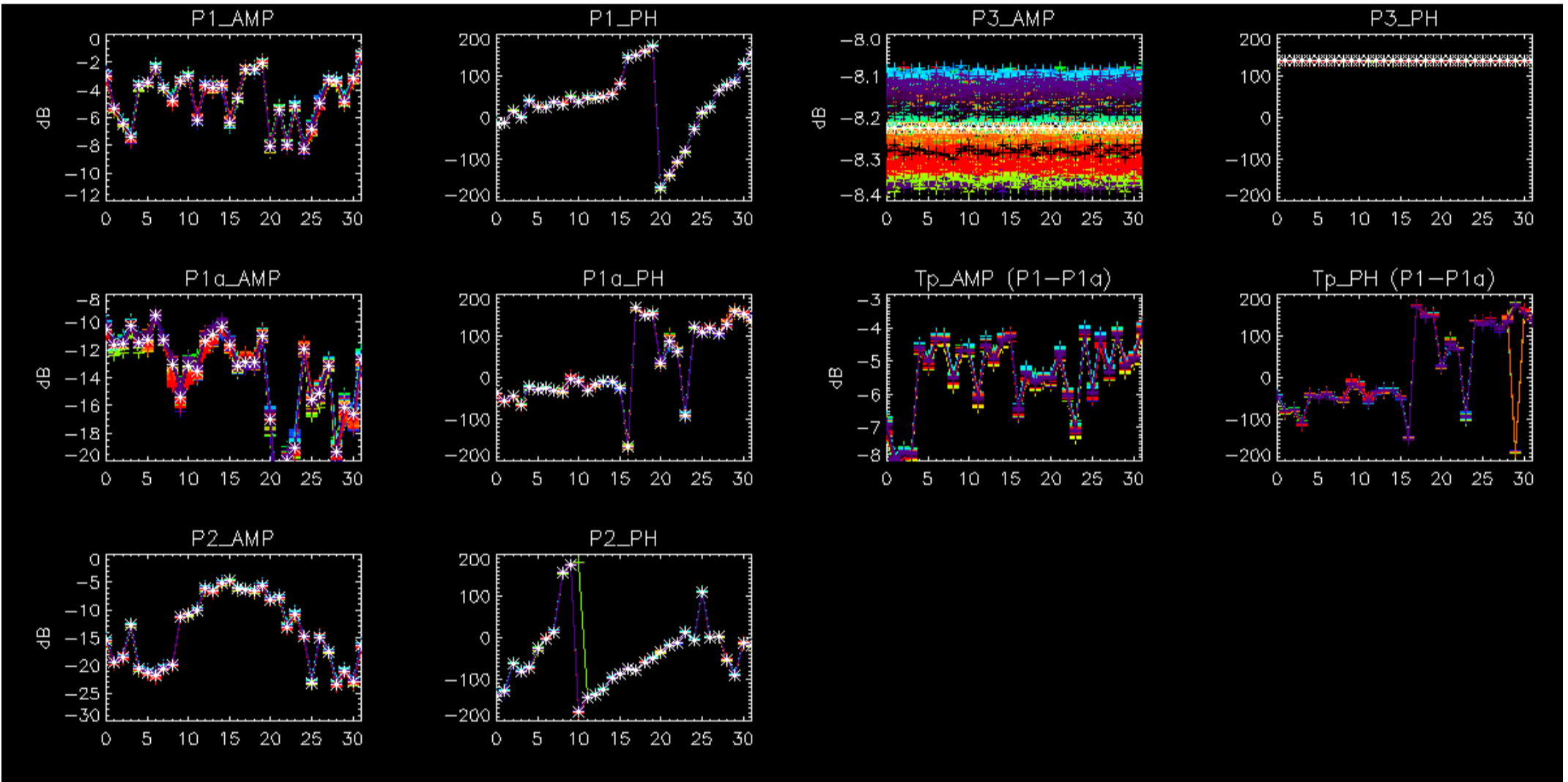


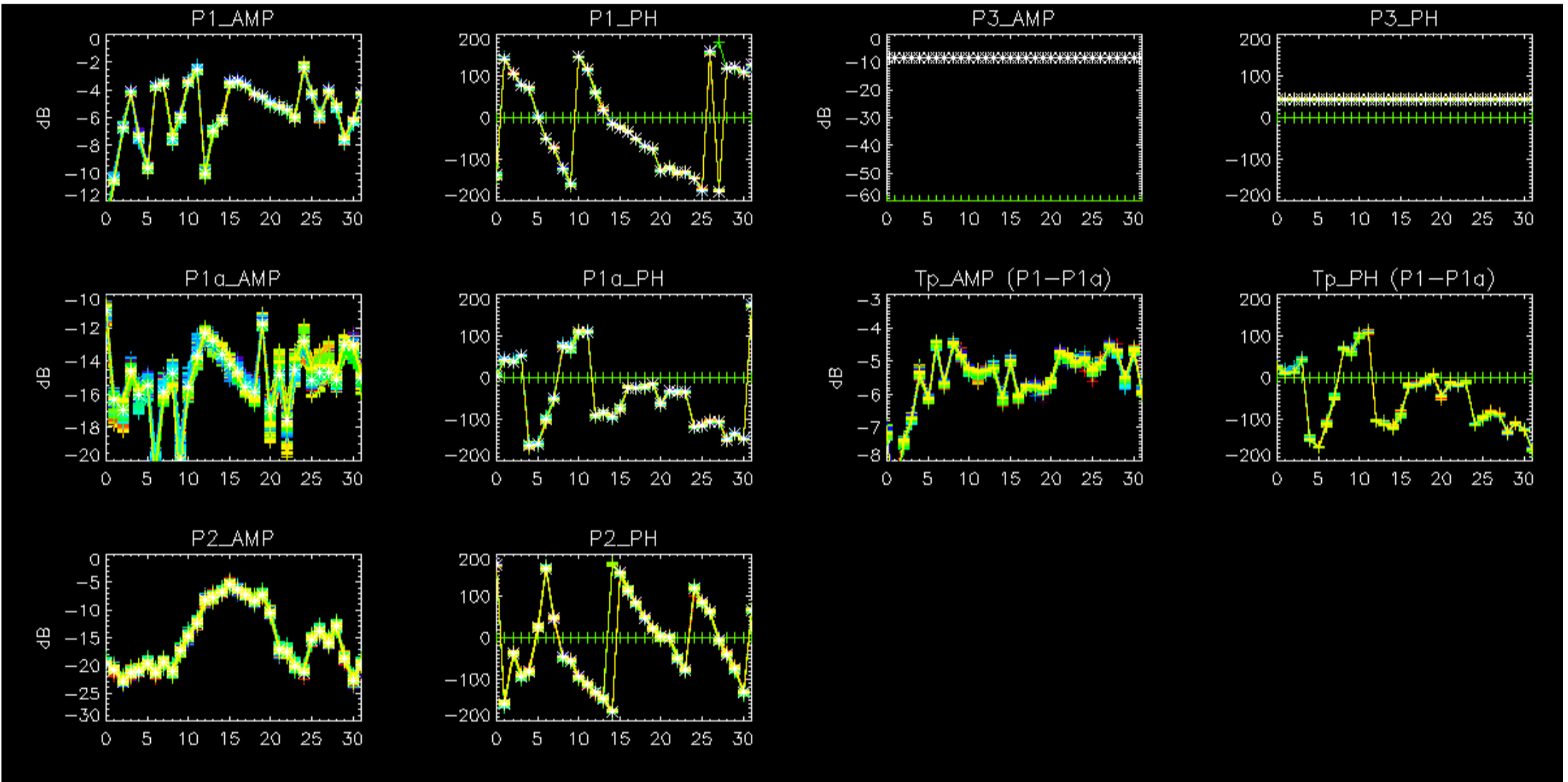
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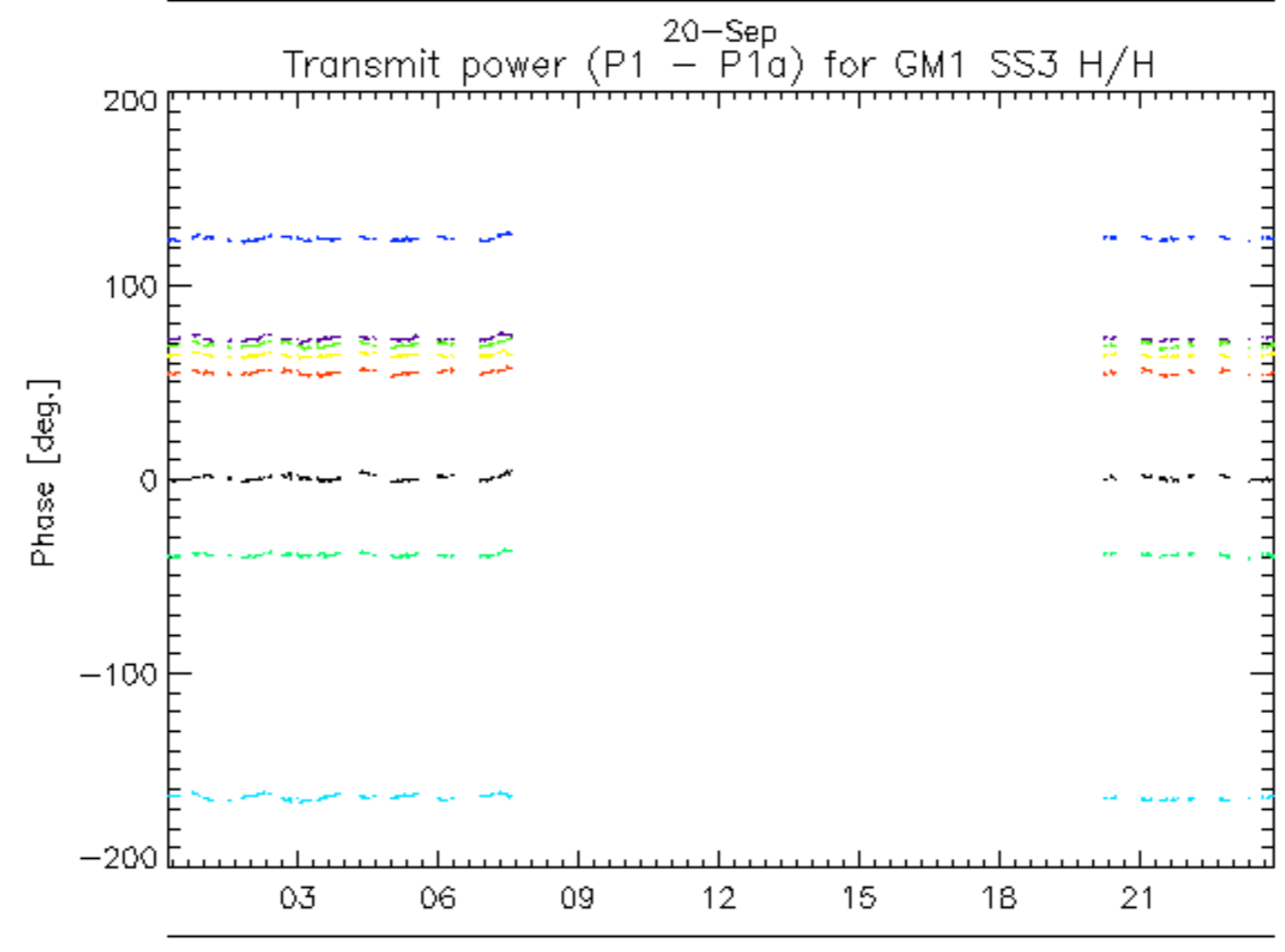
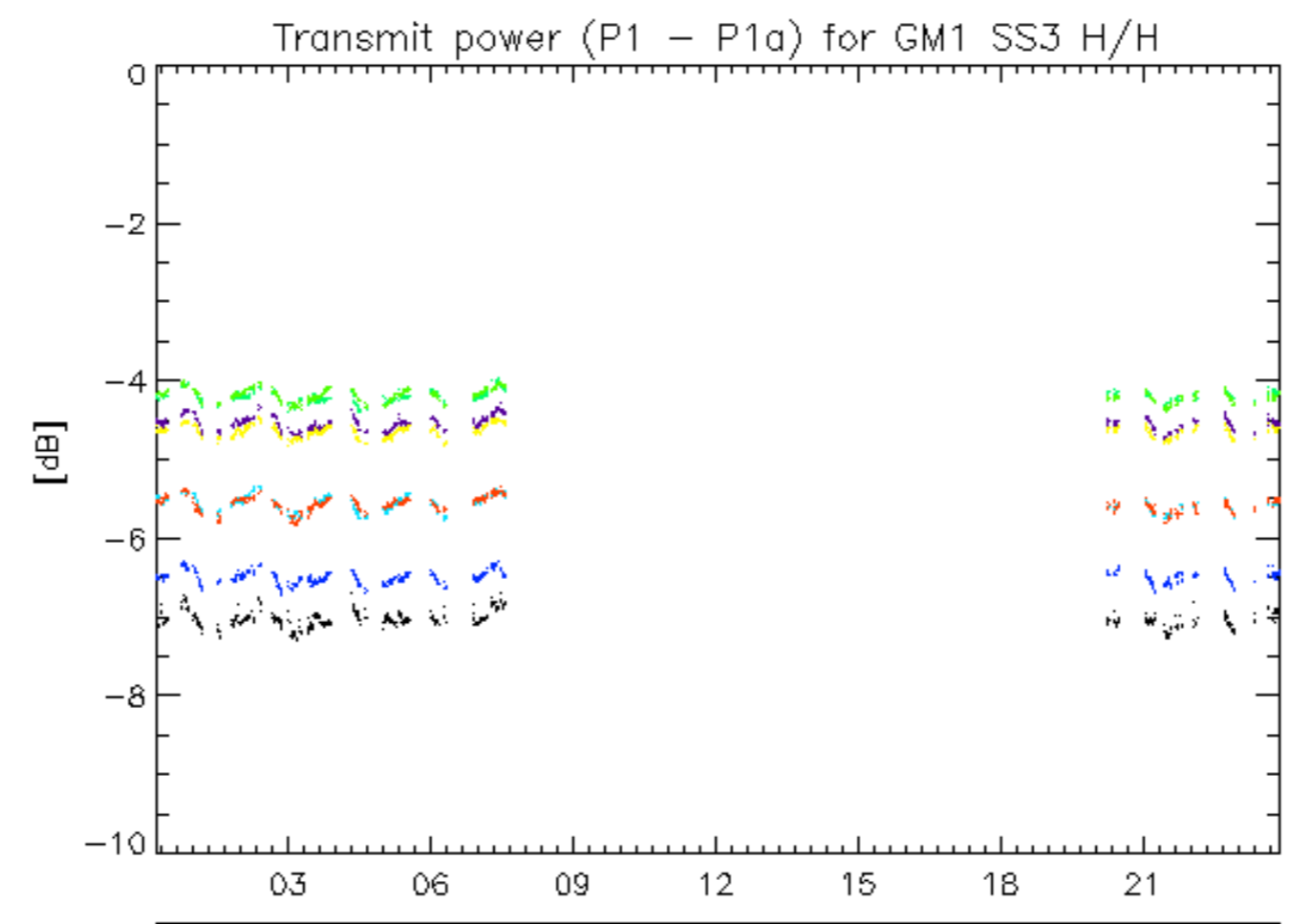
Calibration pulses for WVS IS2 V/V



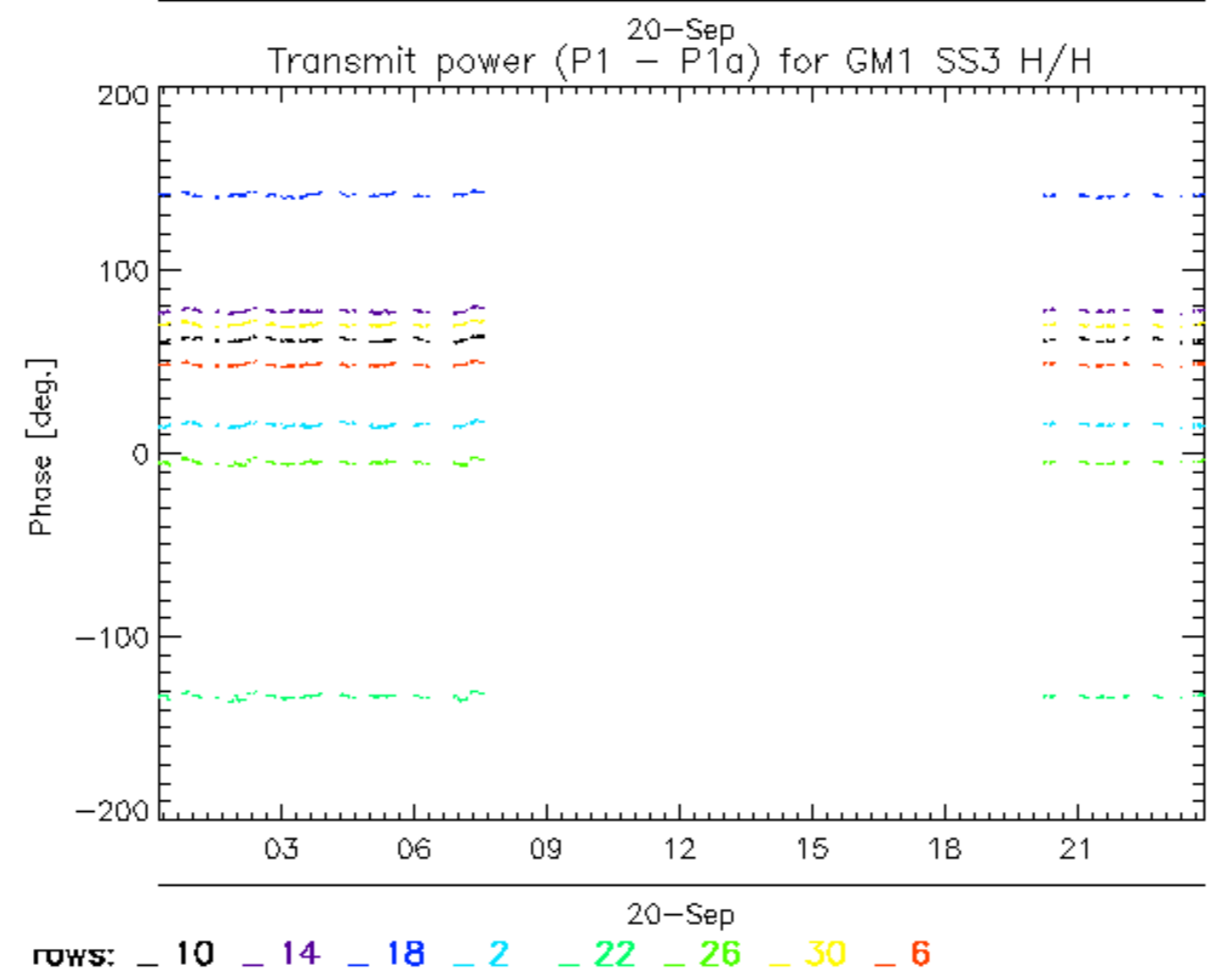
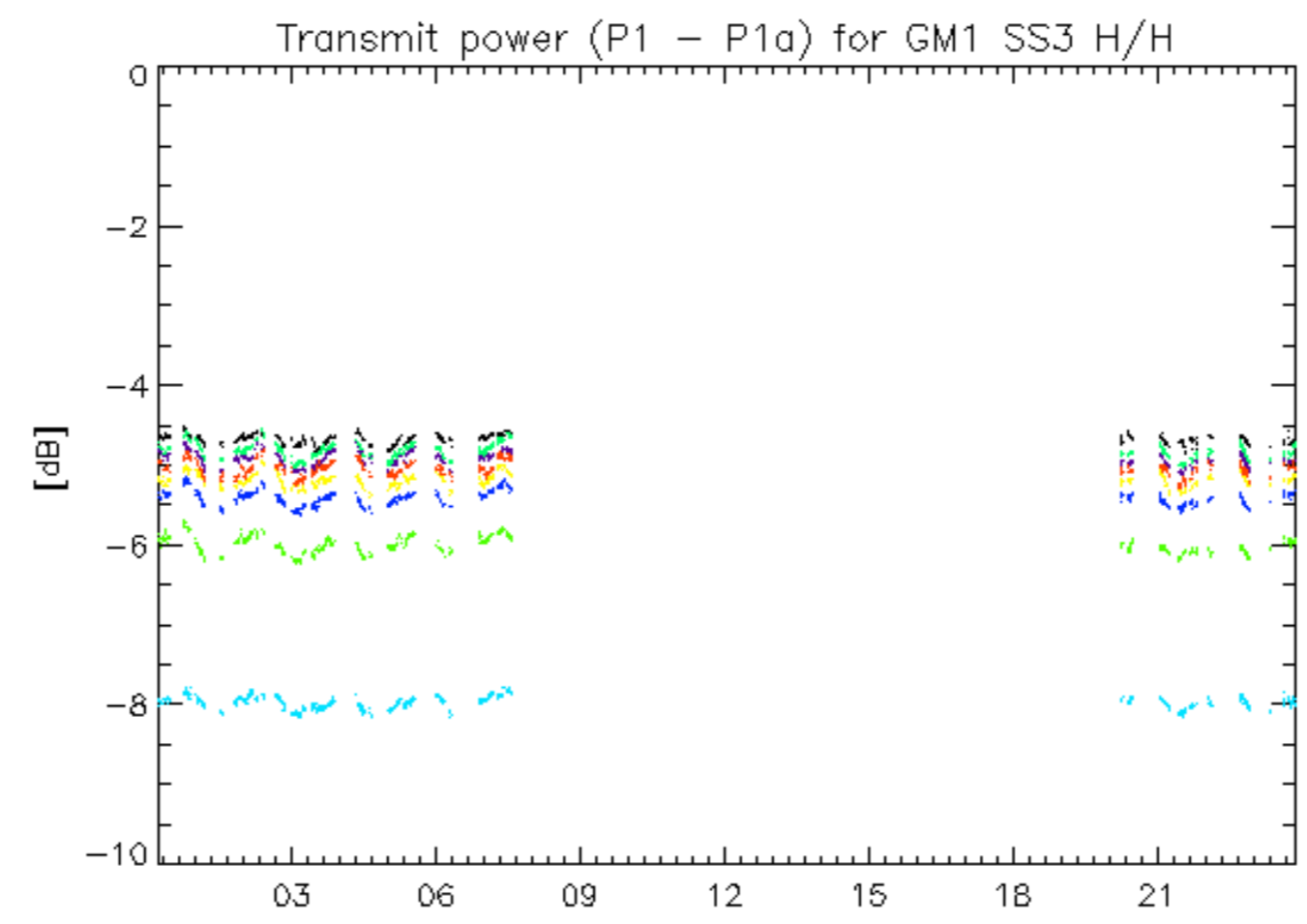
rows: _ 12 _ 16 _ 20 _ 24 _ 28 _ 32 _ 4 _ 8

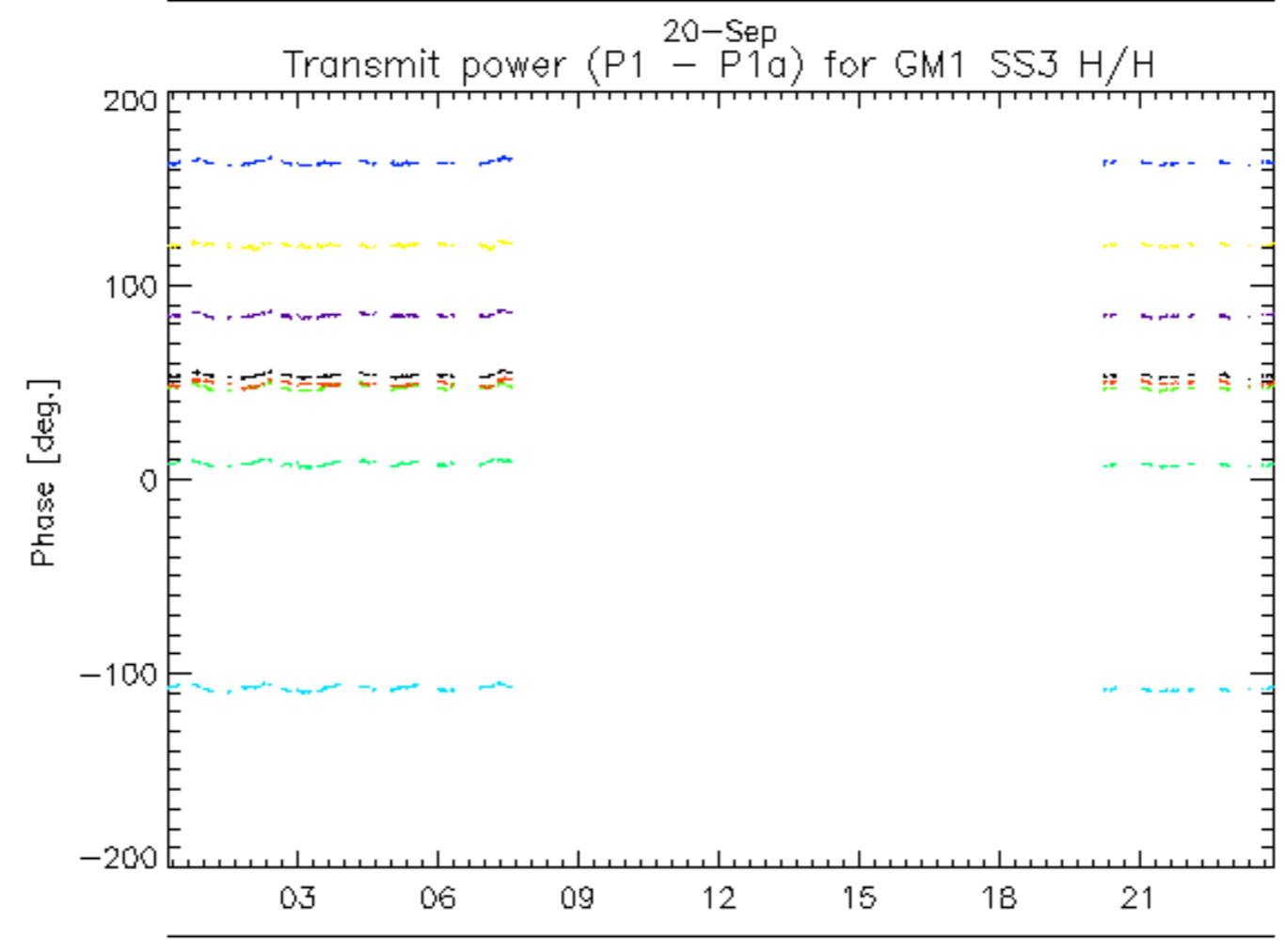
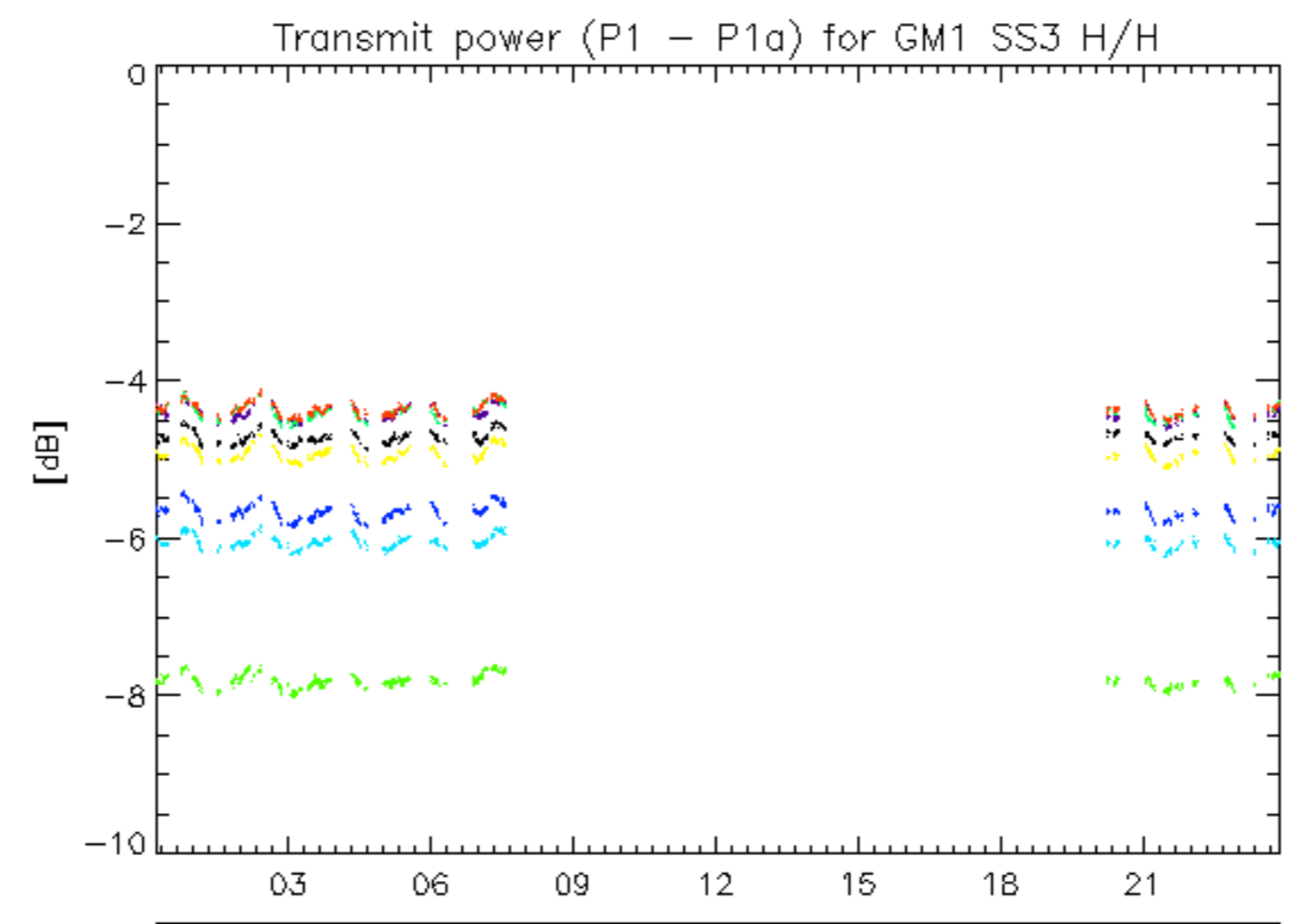




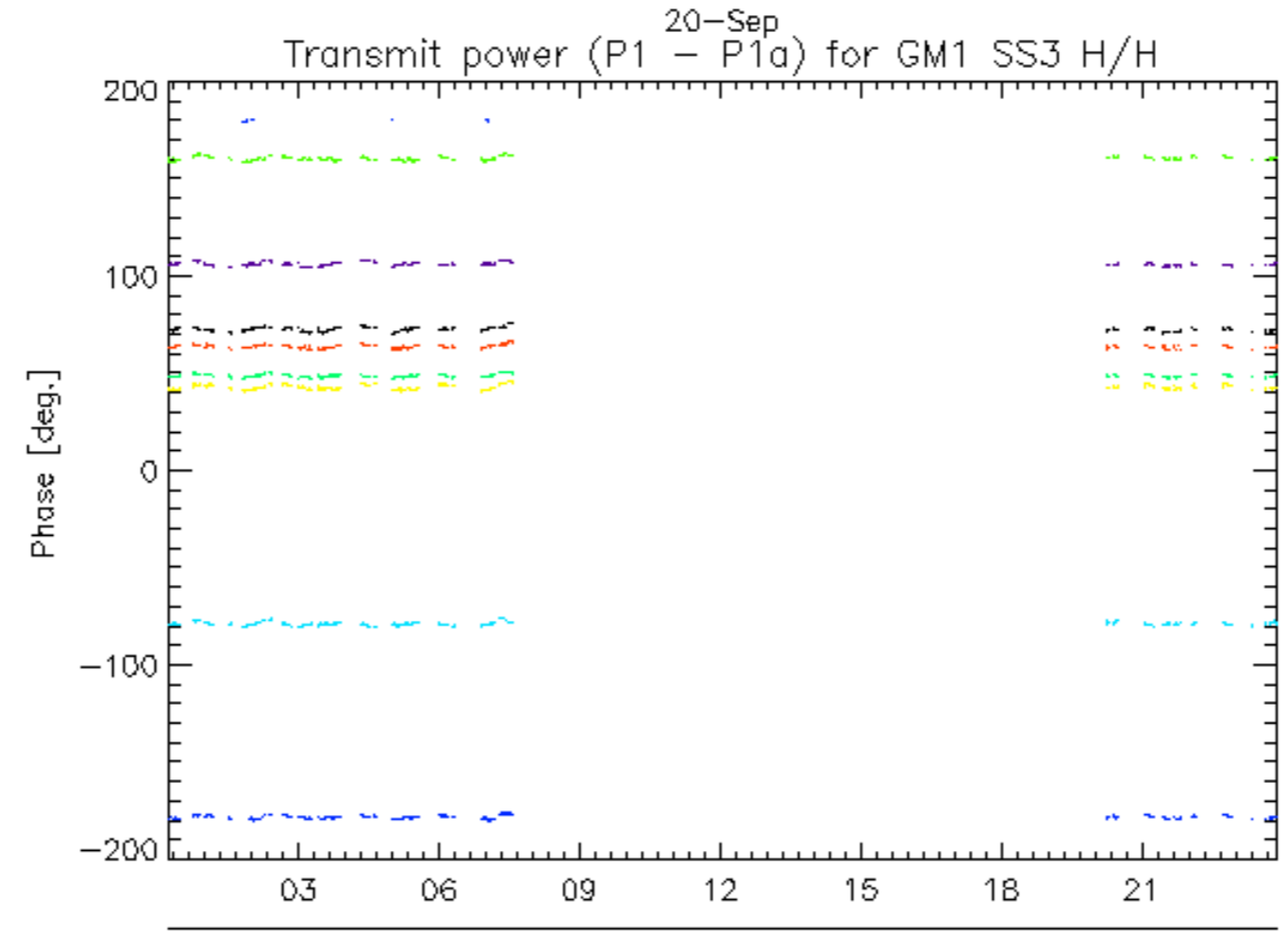
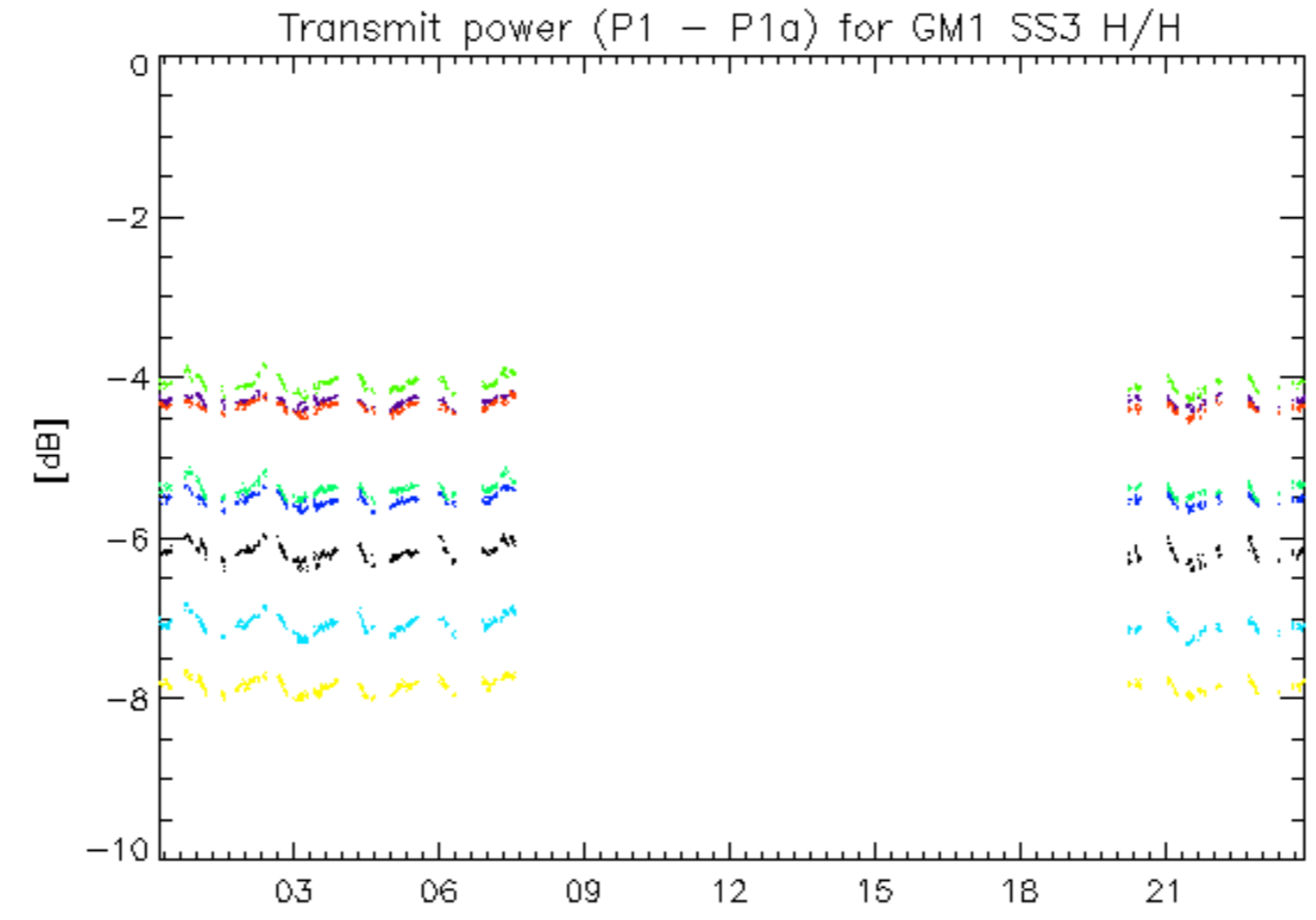


rows: _ 1 _ 13 _ 17 _ 21 _ 25 _ 29 _ 5 _ 9

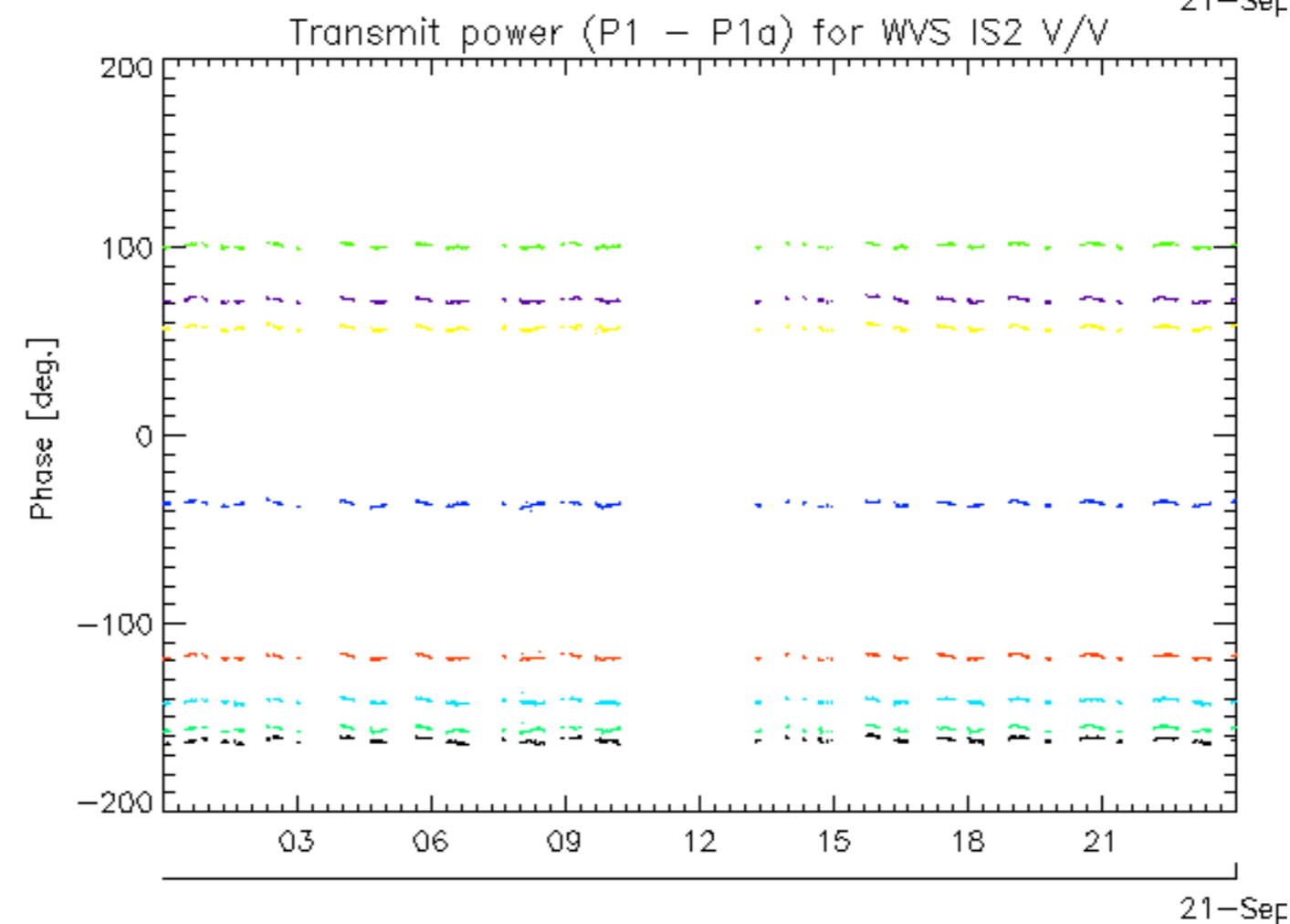
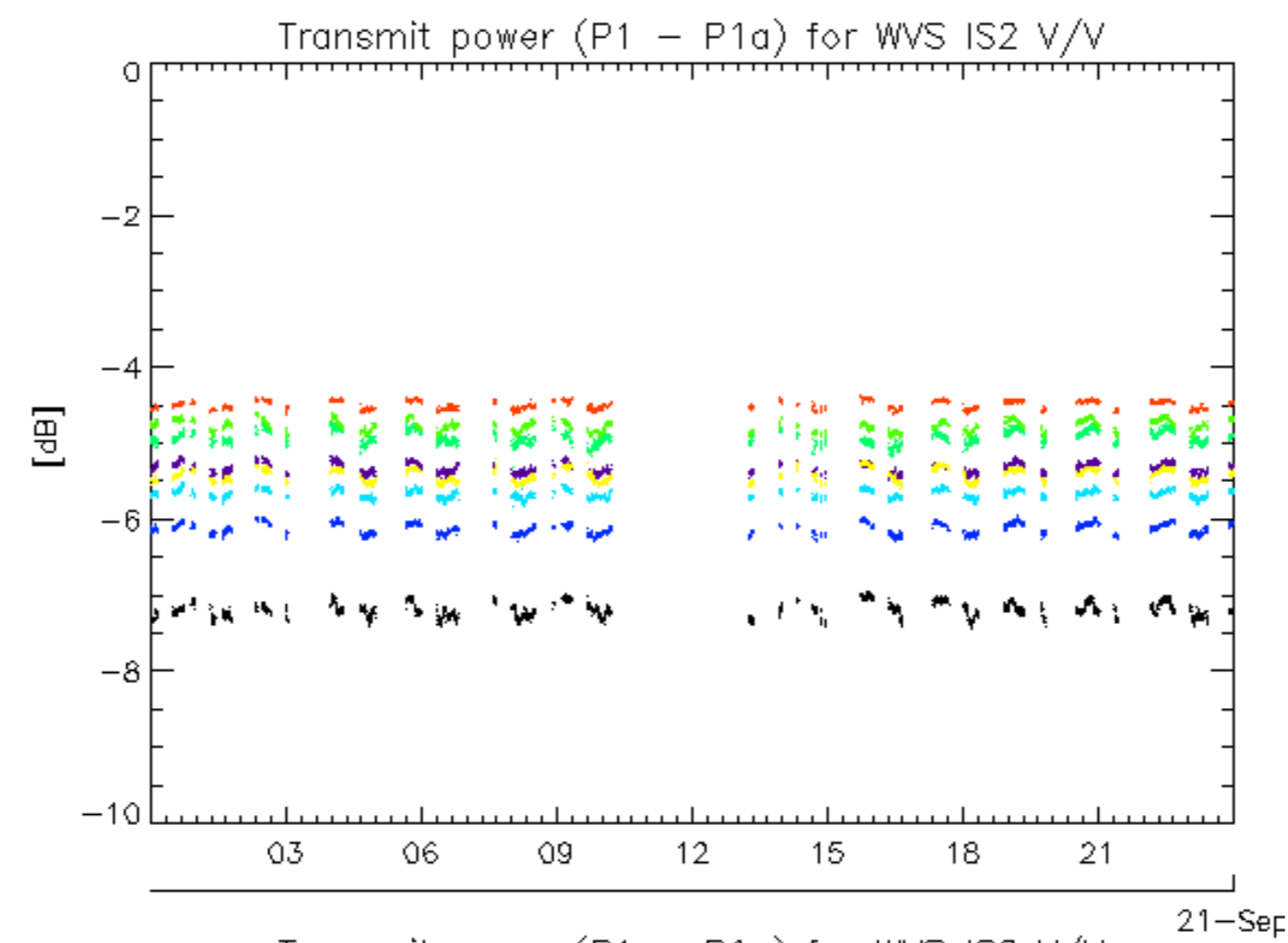




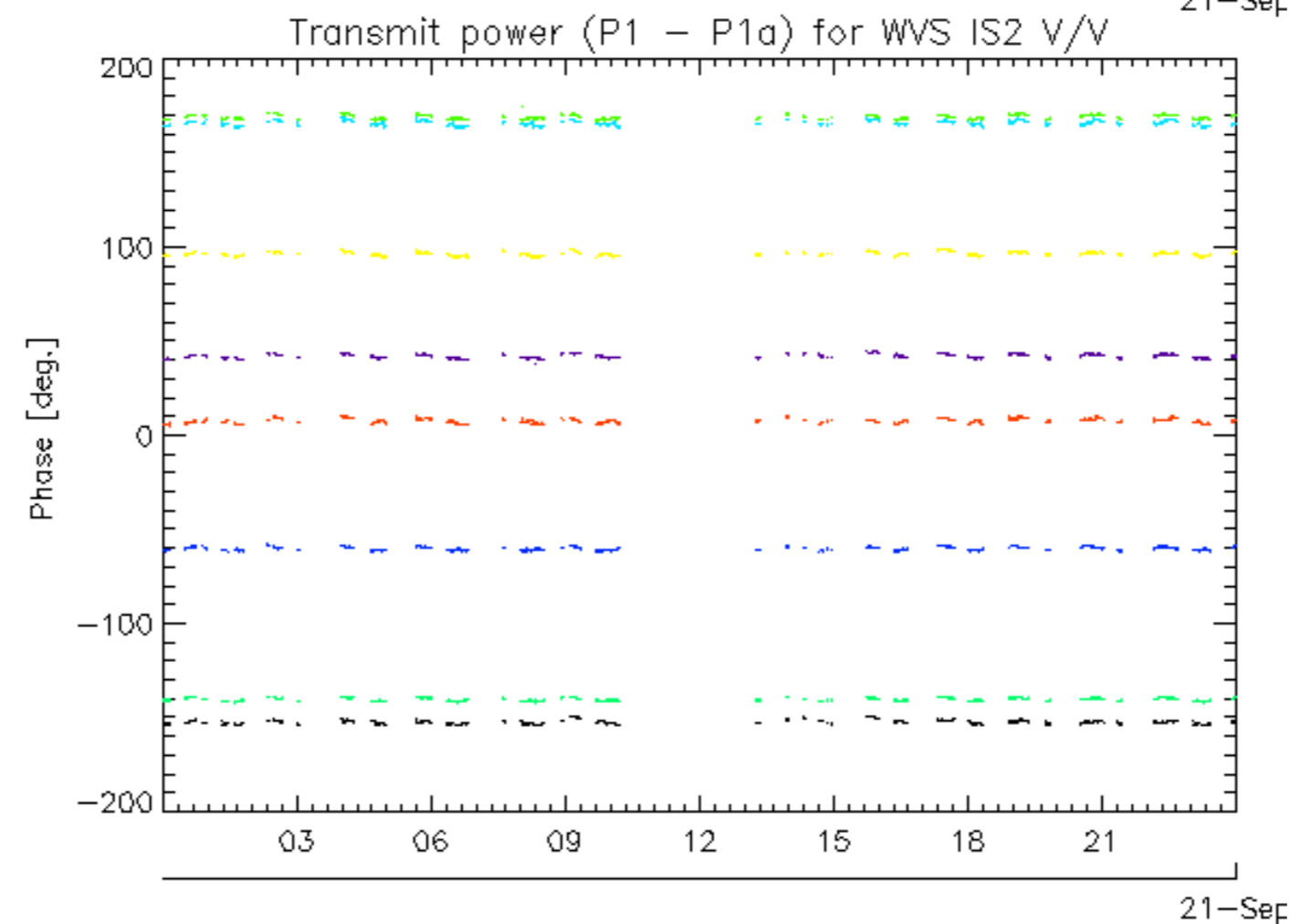
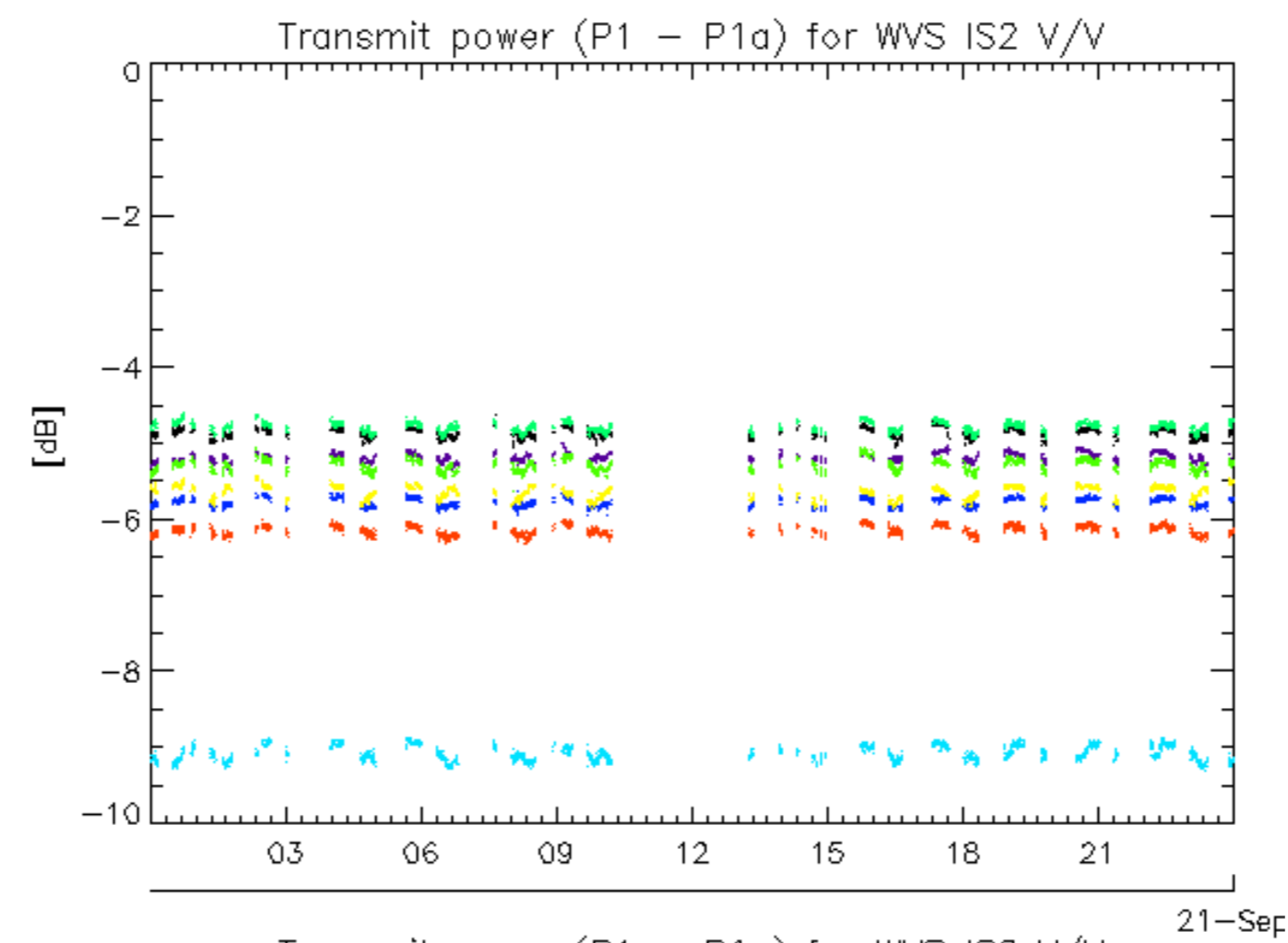
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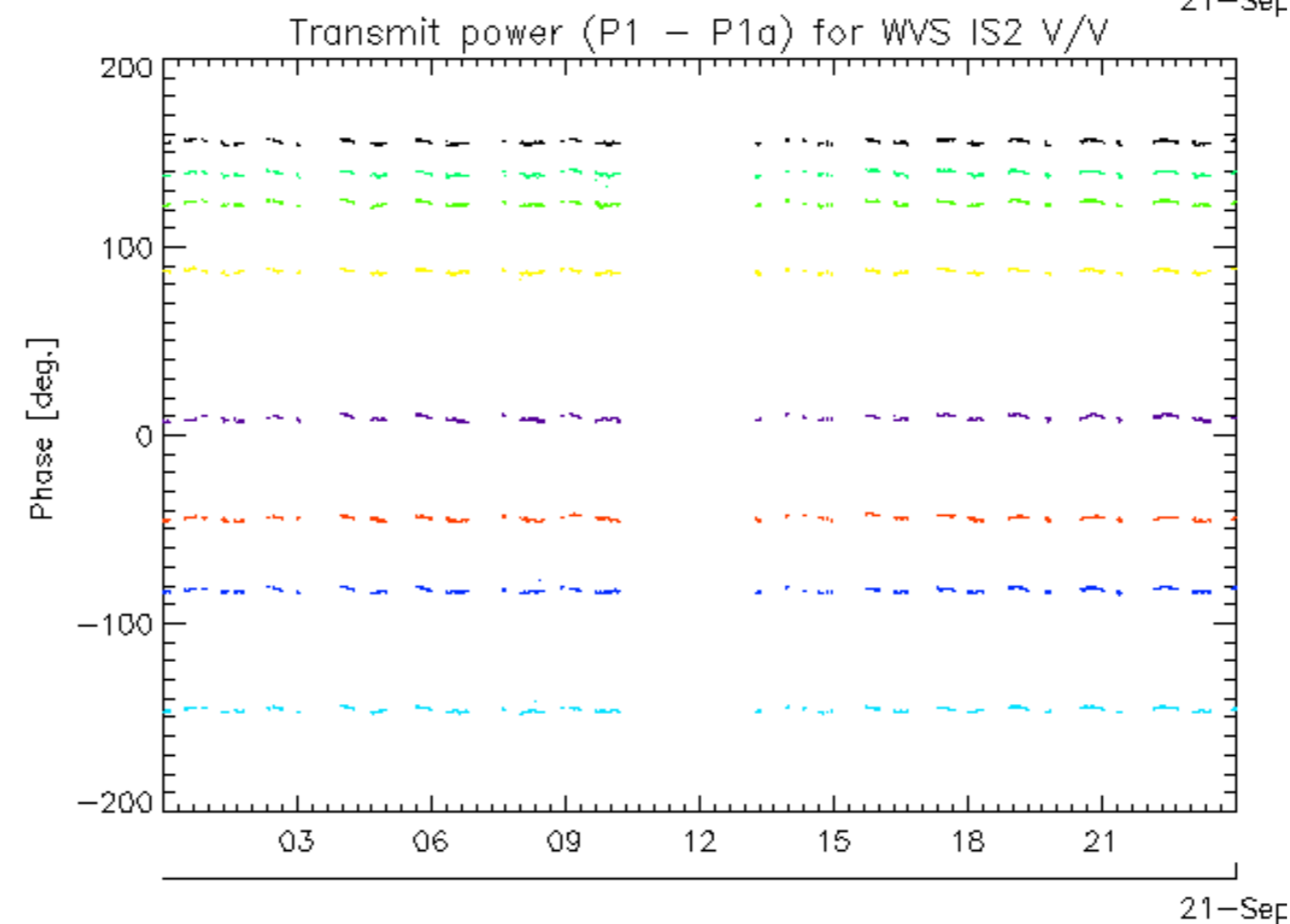
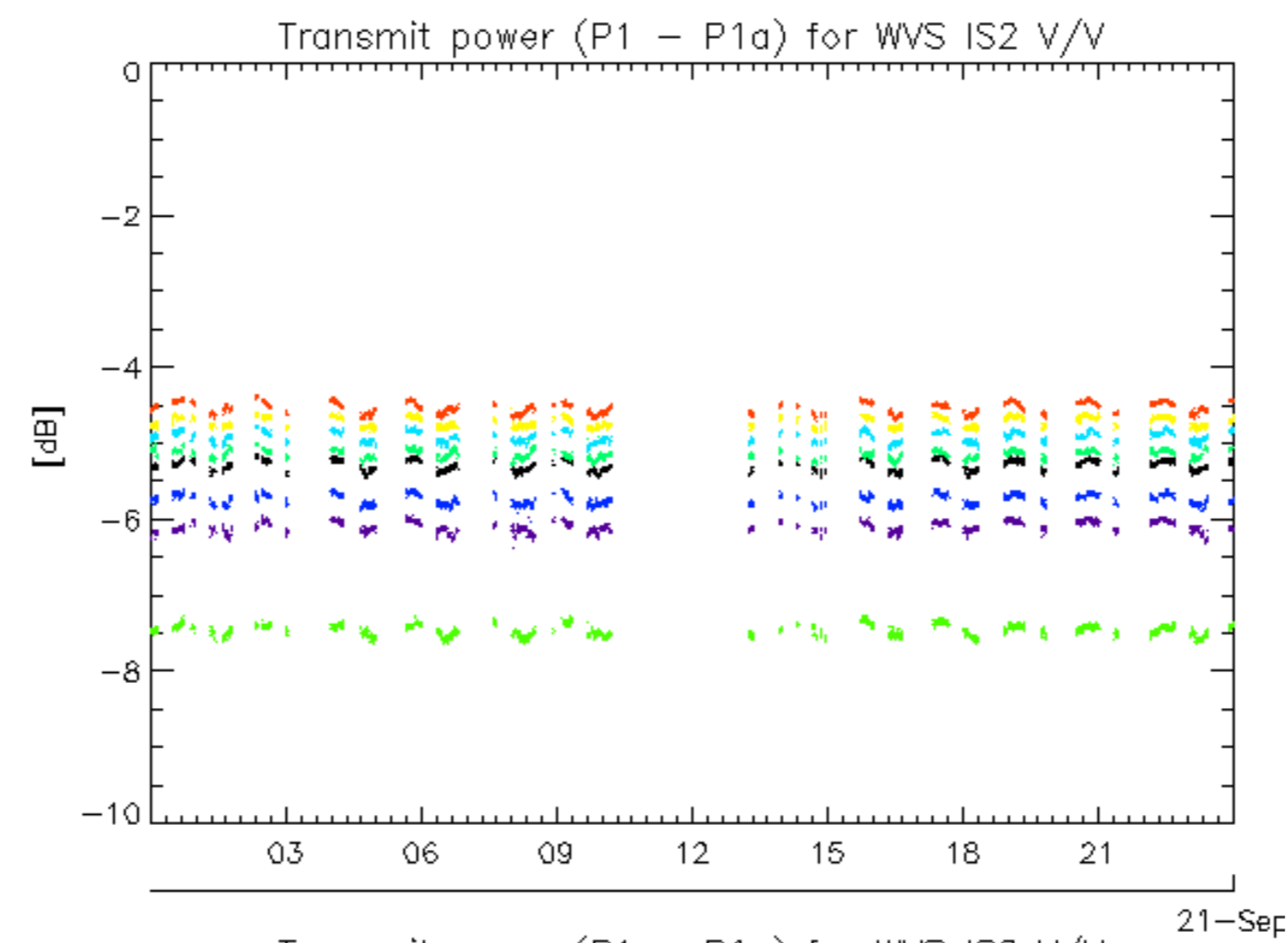
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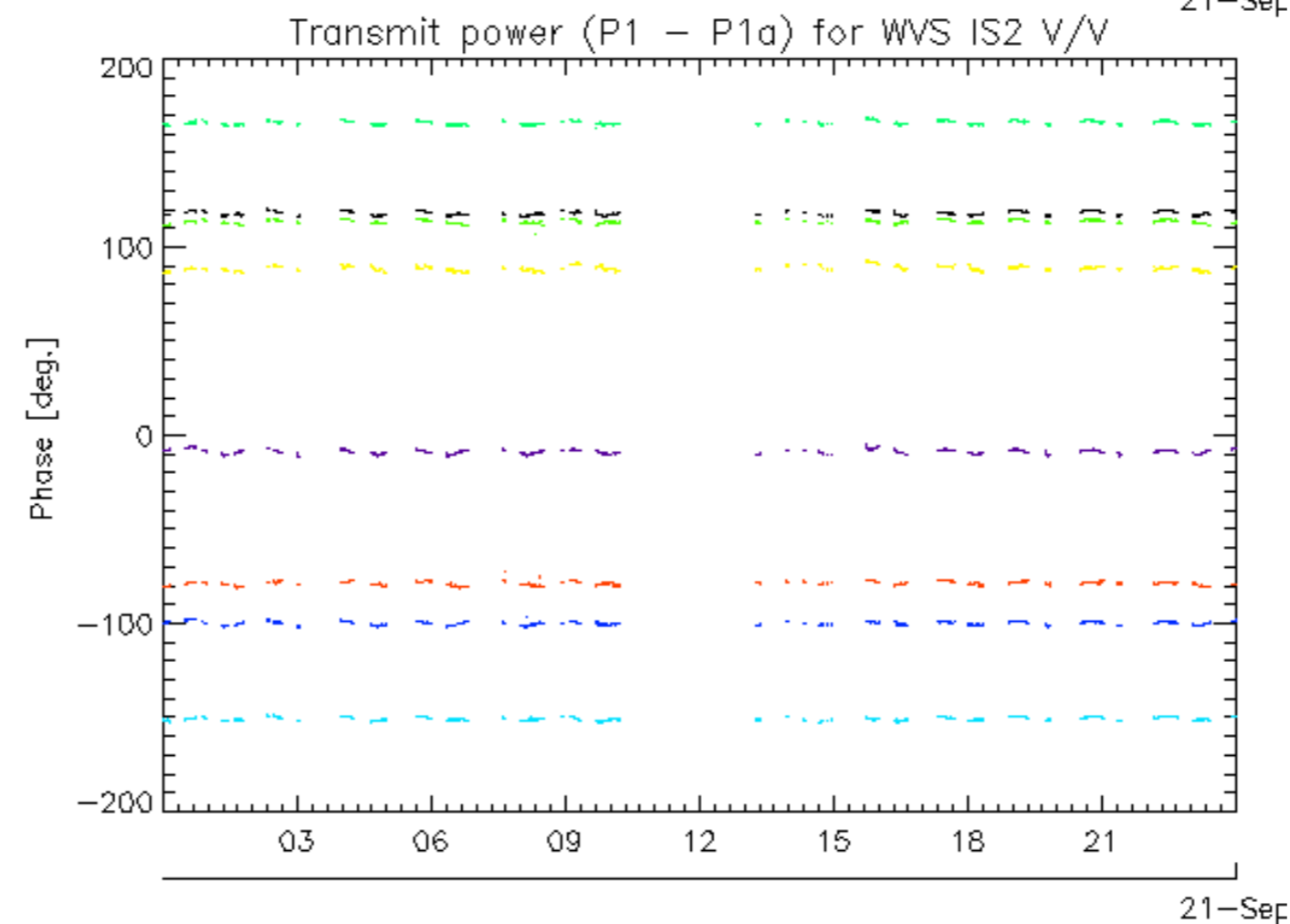
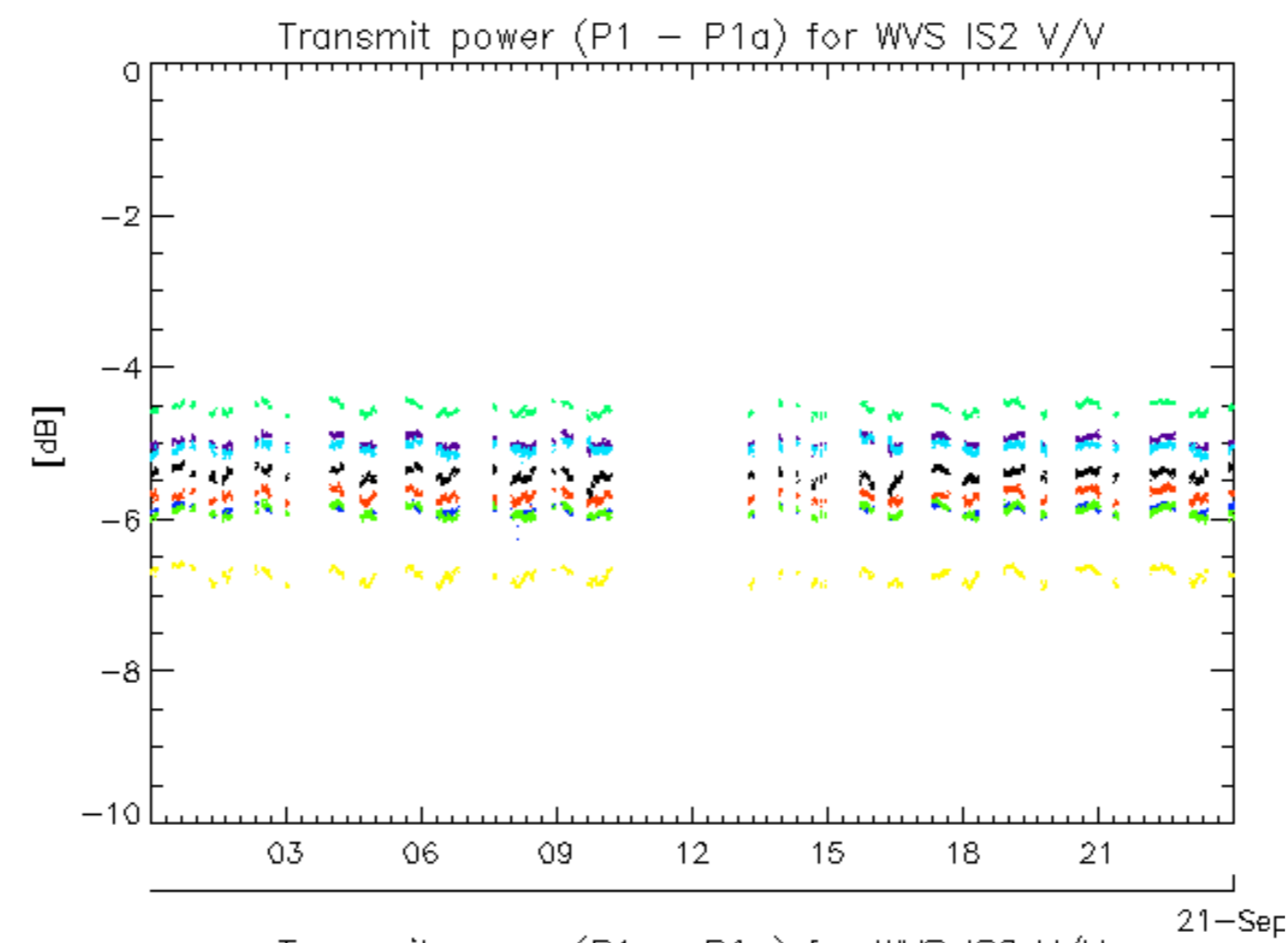
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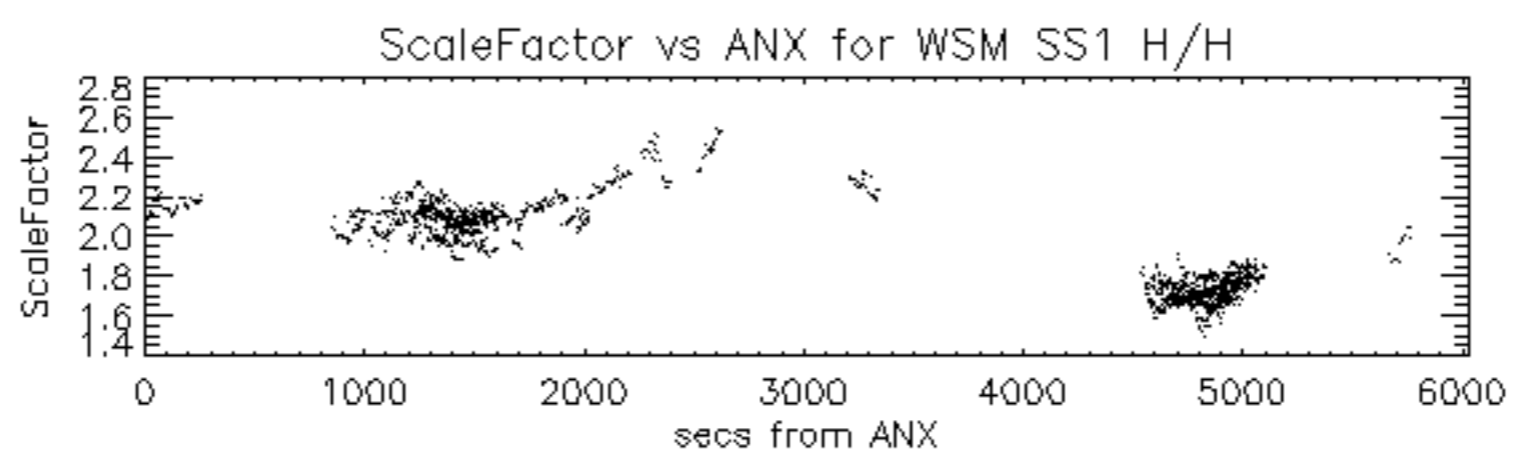
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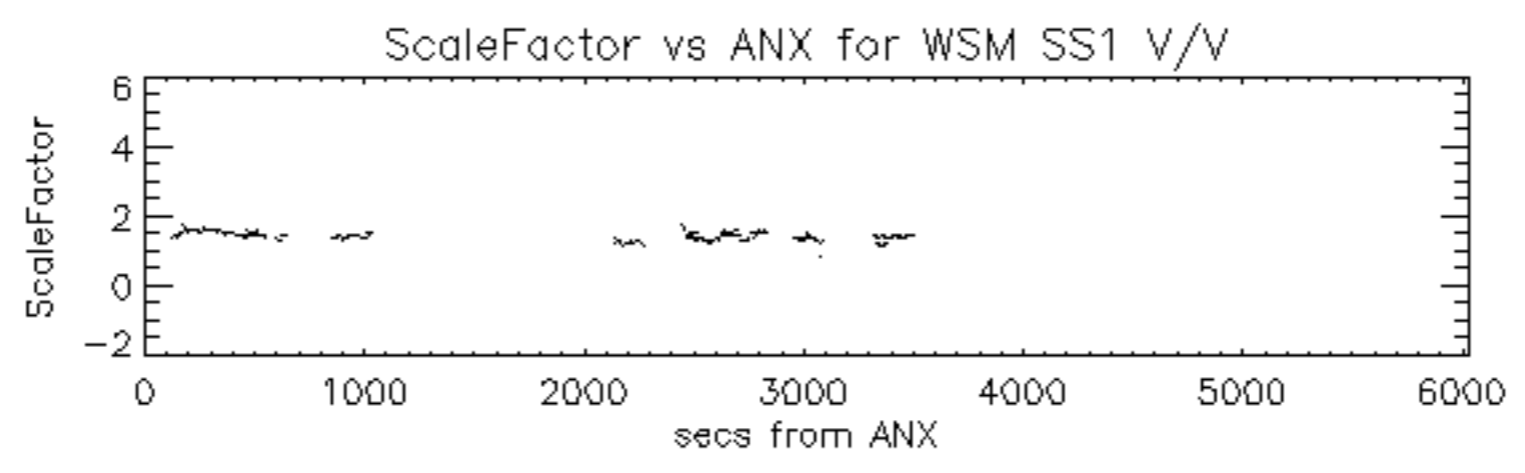


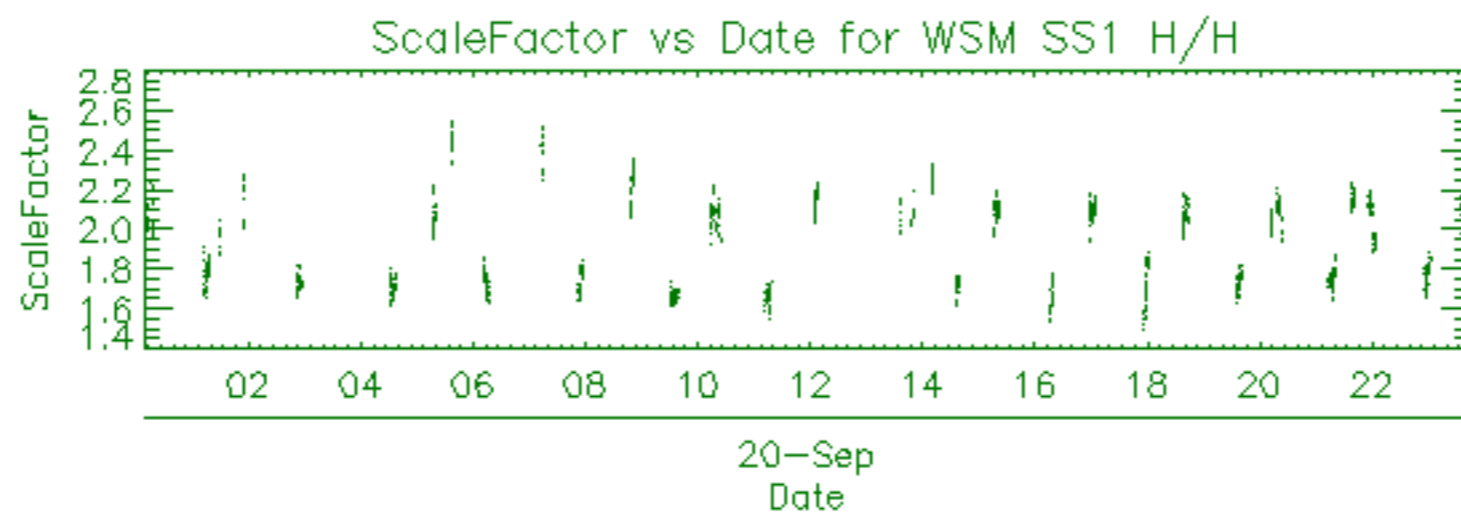
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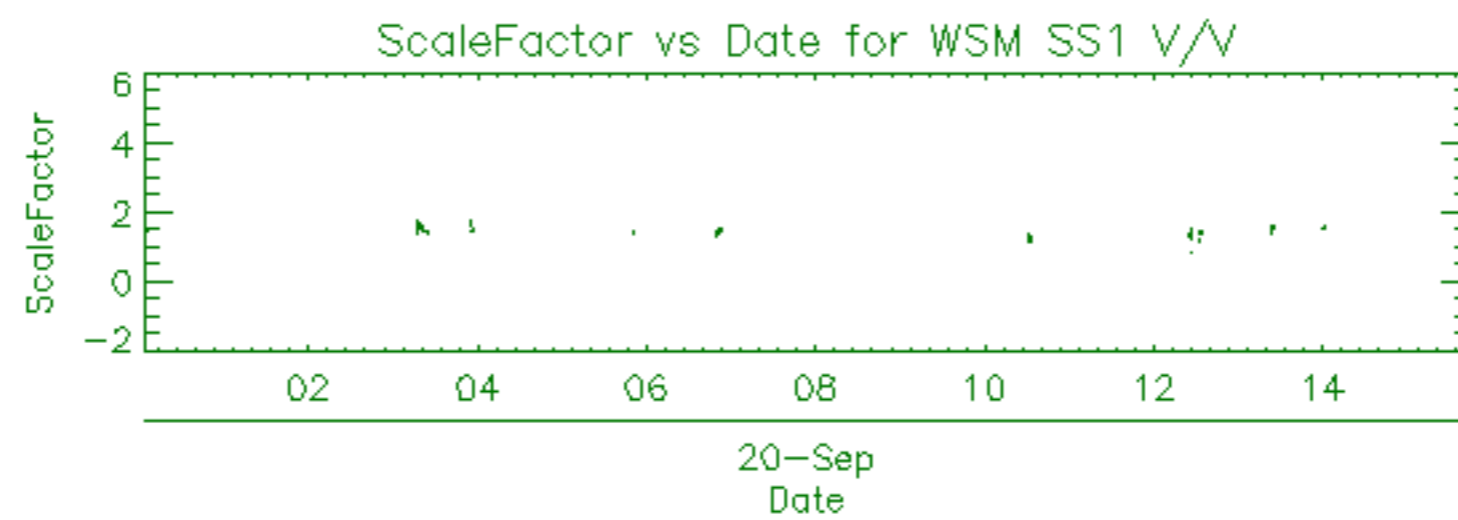


rows: _ 12 _ 16 _ 20 _ 24 _ 28 _ 32 _ 4 _ 8









Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20110920_035743_000000833106_00392_49975_2632.N1						IS2	H/H	106	49975	392	5.04
ASA_APM_1PNPDE20110920_072524_000001783106_00394_49977_2698.N1						IS4	V/H	106	49977	394	5.04
ASA_APM_1PNPDE20110920_090124_000002243106_00395_49978_2721.N1						IS4	V/V	106	49978	395	5.04
ASA_APM_1PNPDE20110920_140720_000000843106_00398_49981_2838.N1						IS4	V/H	106	49981	398	5.04
ASA_APM_1PNPDE20110920_150048_000000993106_00399_49982_2841.N1						IS2	H/V	106	49982	399	5.04

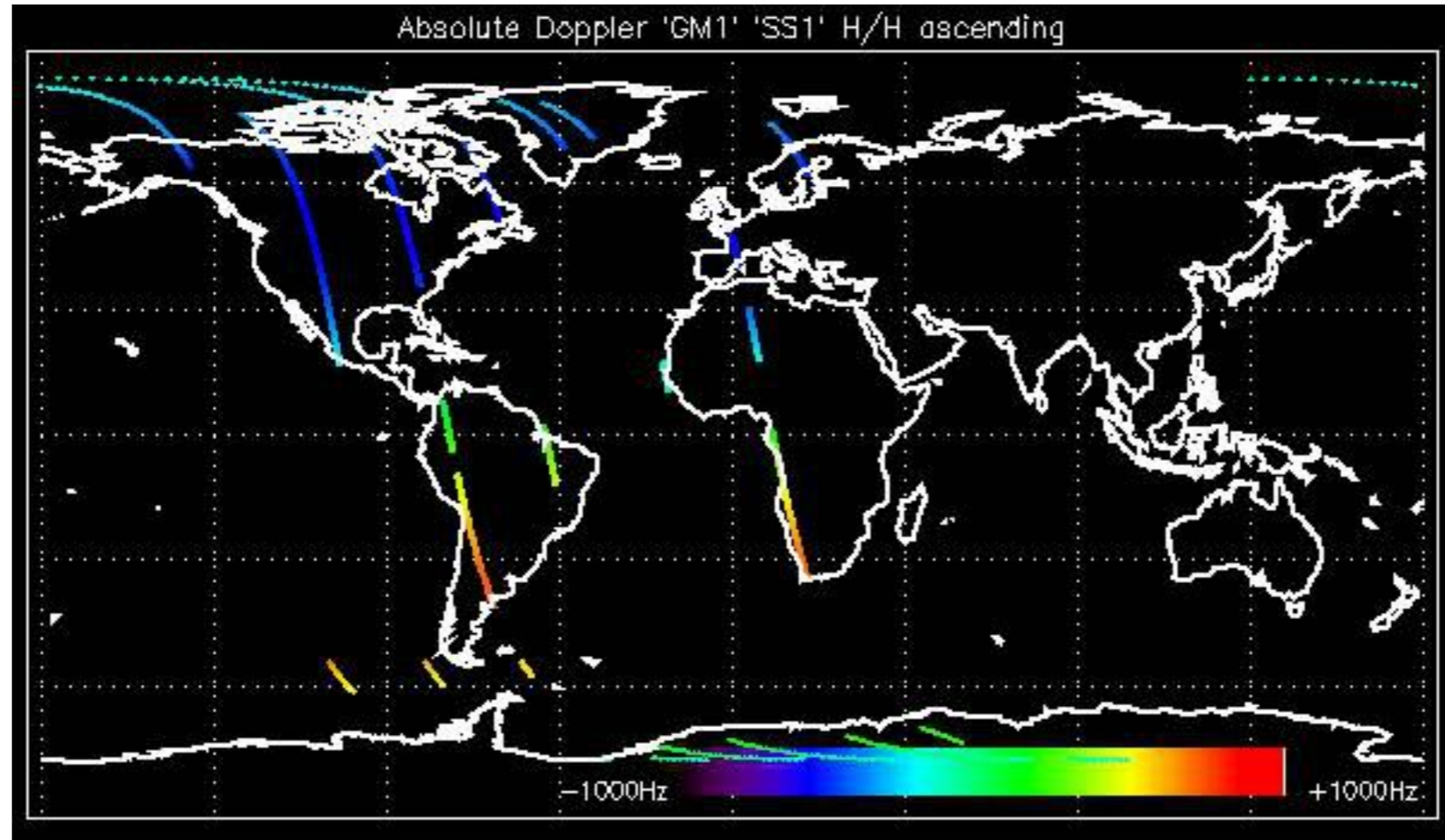
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20110920_001307_000002053106_00390_49973_2586.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_001906_000005193106_00390_49973_2588.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_004439_000001083106_00390_49973_2590.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_004732_000003623106_00390_49973_2593.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_005940_000007673106_00390_49973_2594.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_013036_000002413106_00390_49973_2636.N1						SS1	H/H	106	49973	390	5.04
ASA_GM1_1PNPDE20110920_014819_000003443106_00391_49974_2637.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_015639_000009673106_00391_49974_2652.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_021423_000002173106_00391_49974_2651.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_022244_000001873106_00391_49974_2649.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_023954_000007313106_00391_49974_2648.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_025740_000000663106_00391_49974_2646.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_030235_000001383106_00391_49974_2644.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_030500_000003983106_00391_49974_2643.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_031306_000002053106_00391_49974_2642.N1						SS1	H/H	106	49974	391	5.04
ASA_GM1_1PNPDE20110920_032410_000017463106_00392_49975_2653.N1						SS1	H/H	106	49975	392	5.04
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ASA_GM1_1PNPDE20110920_045909_000010273106_00393_49976_2674.N1						SS1	H/H	106	49976	393	5.04
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ASA_GM1_1PNPDE20110920_072845_000003683106_00394_49977_2704.N1						SS1	H/H	106	49977	394	5.04
ASA_GM1_1PNPDE20110920_201359_000002233106_00402_49985_2852.N1						SS1	H/H	106	49985	402	5.04
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ASA_GM1_1PNPDE20110920_211501_000000843106_00402_49985_2857.N1						SS1	H/H	106	49985	402	5.04
ASA_GM1_1PNPDE20110920_212709_000005983106_00402_49985_2868.N1						SS1	H/H	106	49985	402	5.04
ASA_GM1_1PNPDE20110920_214147_000002113106_00403_49986_2867.N1						SS1	H/H	106	49986	403	5.04
ASA_GM1_1PNPDE20110920_214754_000001573106_00403_49986_2869.N1						SS1	H/H	106	49986	403	5.04
ASA_GM1_1PNPDE20110920_220415_000002953106_00403_49986_2872.N1						SS1	H/H	106	49986	403	5.04
ASA_GM1_1PNPDE20110920_224242_000007913106_00403_49986_2875.N1						SS1	H/H	106	49986	403	5.04
ASA_GM1_1PNPDE20110920_231955_000001203106_00404_49987_2908.N1						SS1	H/H	106	49987	404	5.04
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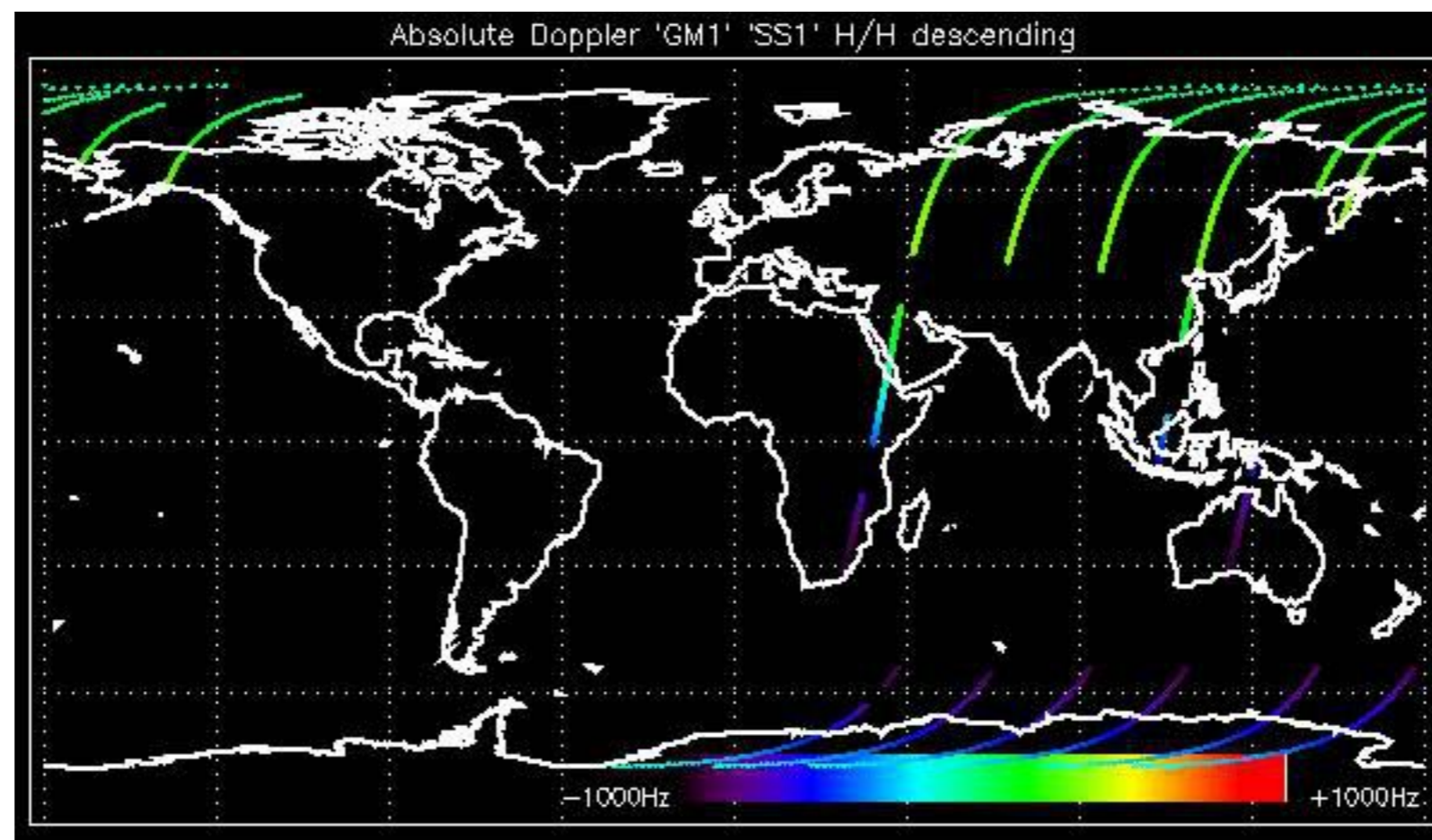
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_IMM_1PNPDE20110920_035316_000000373106_00392_49975_2629.N1						IS2	V/V	106	49975	392	5.04
ASA_IMM_1PNPDE20110920_035356_000000623106_00392_49975_2630.N1						IS6	H/H	106	49975	392	5.04
ASA_IMM_1PNPDE20110920_053259_000001583106_00393_49976_2668.N1						IS6	H/H	106	49976	393	5.04
ASA_IMM_1PNPDE20110920_071512_000000433106_00394_49977_2697.N1						IS6	H/H	106	49977	394	5.04
ASA_IMM_1PNPDE20110920_084512_000000873106_00395_49978_2718.N1						IS6	H/H	106	49978	395	5.04
ASA_IMM_1PNPDE20110920_085352_000000383106_00395_49978_2720.N1						IS6	H/H	106	49978	395	5.04
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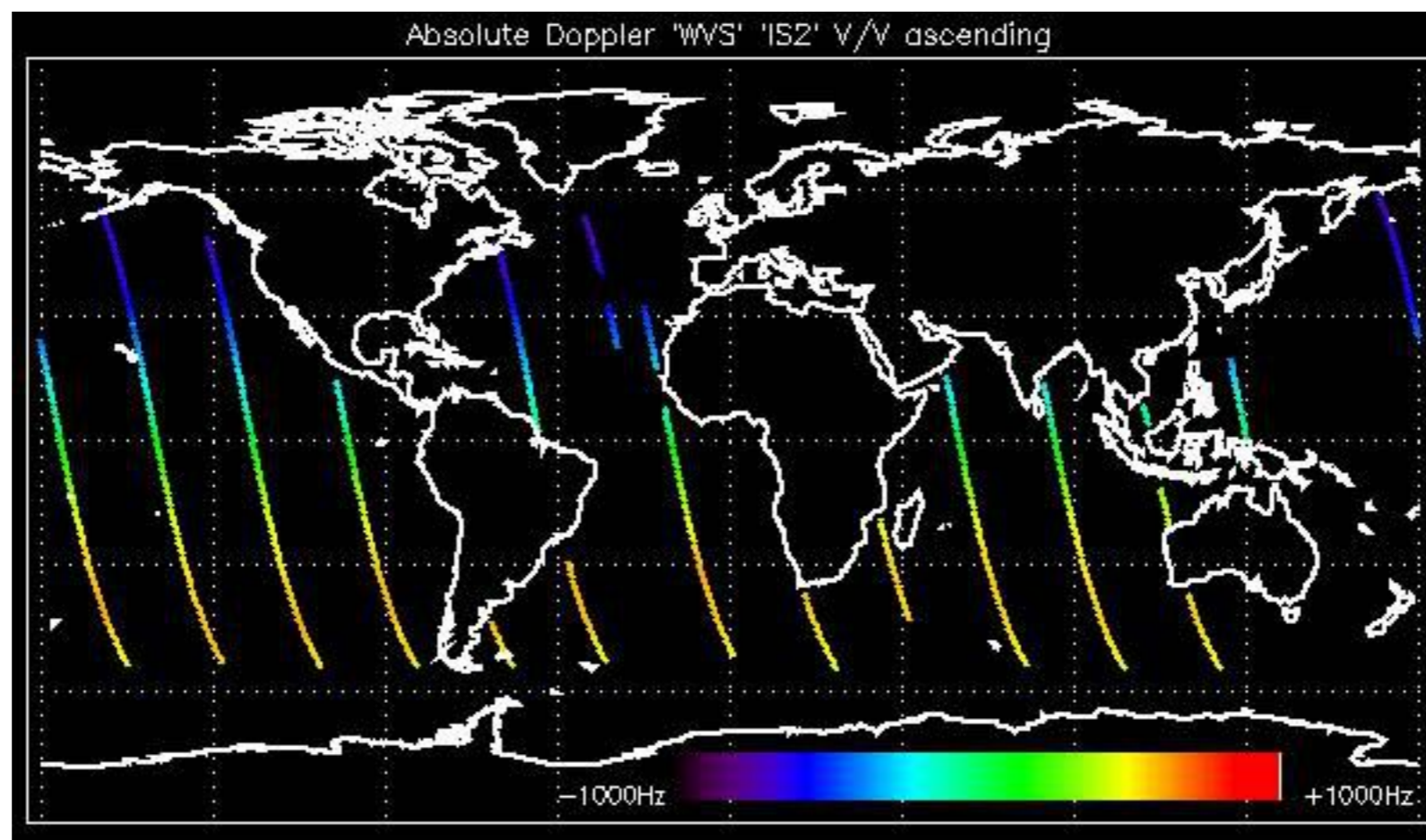
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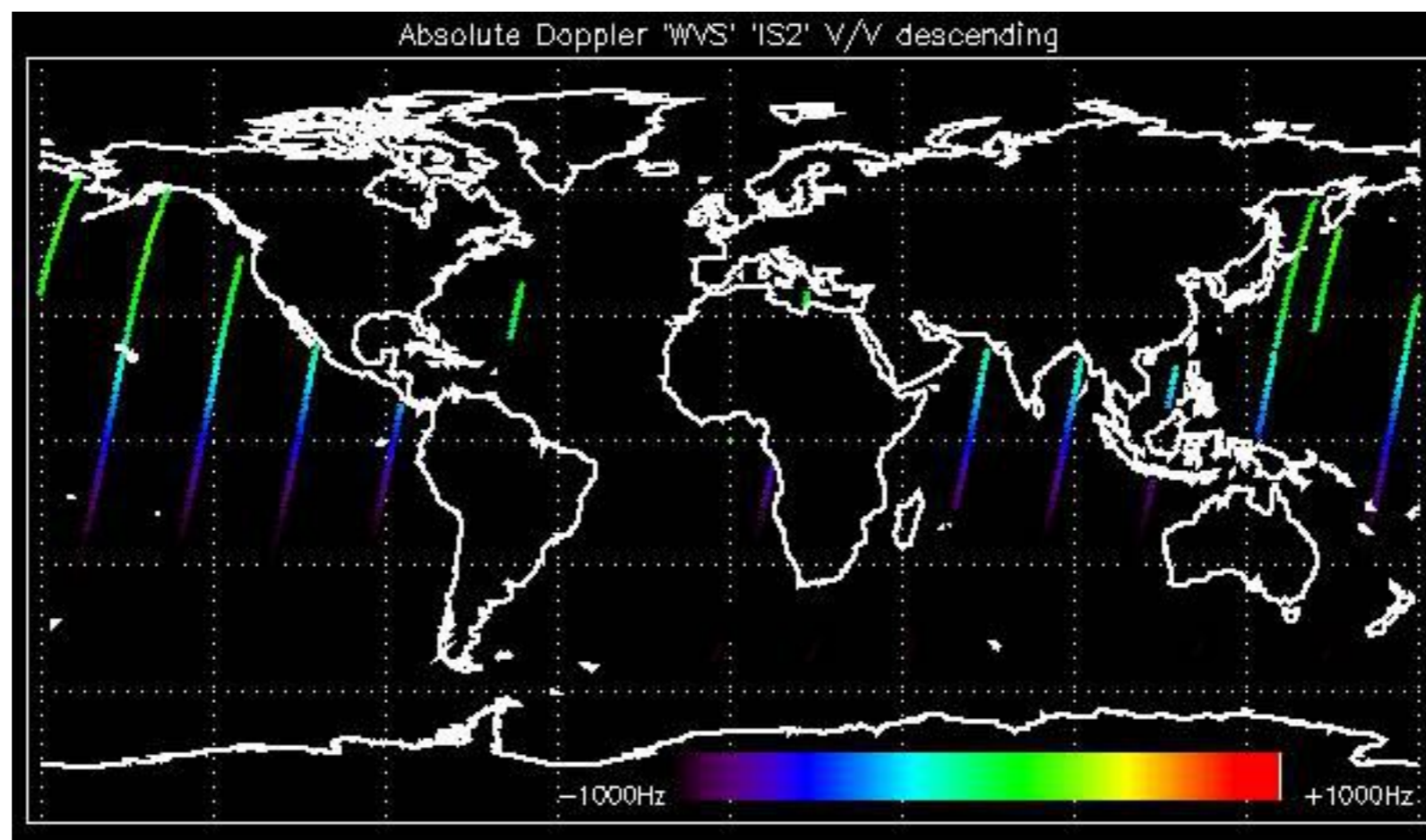


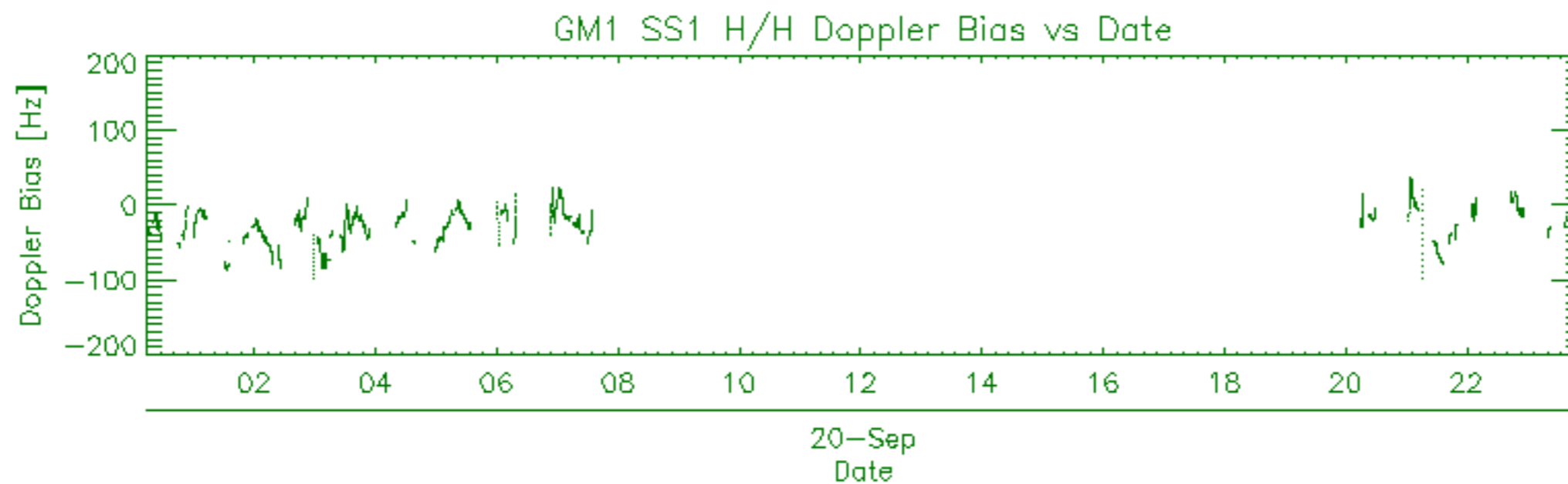
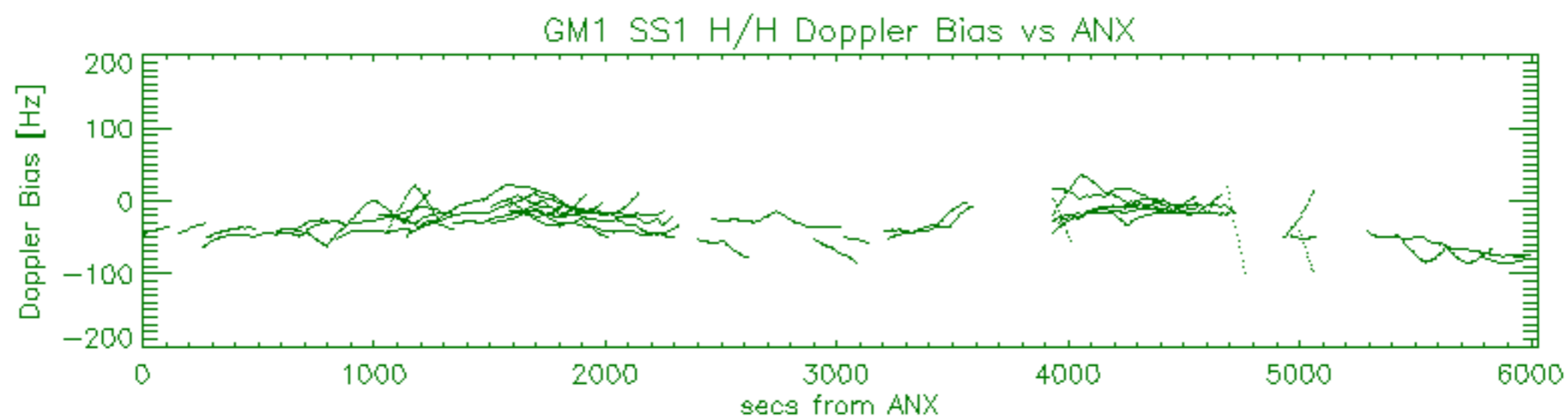
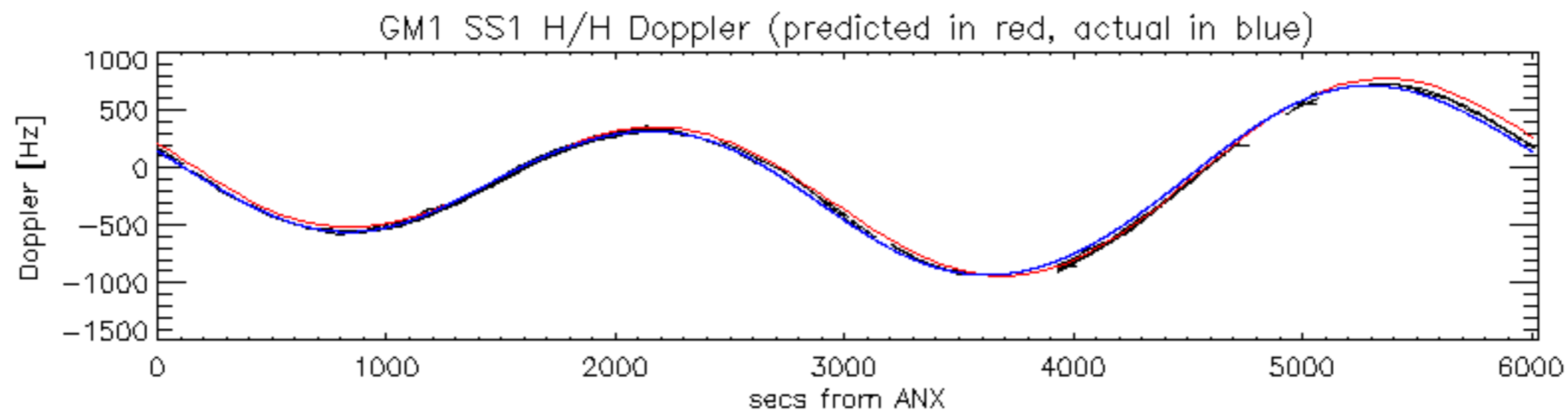
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion			
ASA_WVS_1PNPDE20110919_234306_000011843106_00389_49972_2585.N1						IS2	V/V	106	49972 389 5.04
ASA_WVS_1PNPDE20110920_000510_000002243106_00390_49973_2587.N1						IS2	V/V	106	49973 390 5.04
ASA_WVS_1PNPDE20110920_002744_000009653106_00390_49973_2589.N1						IS2	V/V	106	49973 390 5.04
ASA_WVS_1PNPDE20110920_005336_000003153106_00390_49973_2592.N1						IS2	V/V	106	49973 390 5.04
ASA_WVS_1PNPDE20110920_011859_000002253106_00390_49973_2591.N1						IS2	V/V	106	49973 390 5.04
ASA_WVS_1PNPDE20110920_012159_000002253106_00390_49973_2635.N1						IS2	V/V	106	49973 390 5.04
ASA_WVS_1PNPDE20110920_013440_000007793106_00391_49974_2650.N1						IS2	V/V	106	49974 391 5.04
ASA_WVS_1PNPDE20110920_021933_000001493106_00391_49974_2647.N1						IS2	V/V	106	49974 391 5.04
ASA_WVS_1PNPDE20110920_022706_000007193106_00391_49974_2645.N1						IS2	V/V	106	49974 391 5.04
ASA_WVS_1PNPDE20110920_025854_000001803106_00391_49974_2641.N1						IS2	V/V	106	49974 391 5.04
ASA_WVS_1PNPDE20110920_035913_000008093106_00392_49975_2640.N1						IS2	V/V	106	49975 392 5.04
ASA_WVS_1PNPDE20110920_041227_000002553106_00392_49975_2671.N1						IS2	V/V	106	49975 392 5.04
ASA_WVS_1PNPDE20110920_043908_000011543106_00392_49975_2675.N1						IS2	V/V	106	49975 392 5.04
ASA_WVS_1PNPDE20110920_053851_000006293106_00393_49976_2676.N1						IS2	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_055133_000003153106_00393_49976_2677.N1						IS2	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_055133_000003153106_00393_49976_2679.N1						IS2	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_055618_000001953106_00393_49976_2700.N1						IS2	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_055133_000003153106_00393_49976_2679.N1						IS1	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_055133_000003153106_00393_49976_2677.N1						IS1	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_061922_000017393106_00393_49976_2705.N1						IS2	V/V	106	49976 393 5.04
ASA_WVS_1PNPDE20110920_073457_000002553106_00394_49977_2710.N1						IS2	V/V	106	49977 394 5.04
ASA_WVS_1PNPDK20110920_073842_000000003106_00394_49977_2138.N1						IS1	H/H	106	49977 394 5.04
ASA_WVS_1PNPDK20110920_073842_000000753106_00394_49977_2219.N1						IS2	V/V	106	49977 394 5.04
ASA_WVS_1PNPDE20110920_073457_000002553106_00394_49977_2710.N1						IS1	V/V	106	49977 394 5.04
ASA_WVS_1PNPDK20110920_075951_000018443106_00394_49977_2214.N1						IS2	V/V	106	49977 394 5.04
ASA_WVS_1PNPDK20110920_085522_000000443106_00395_49978_2196.N1						IS2	V/V	106	49978 395 5.04
ASA_WVS_1PNPDK20110920_090708_000007793106_00395_49978_2195.N1						IS2	V/V	106	49978 395 5.04
ASA_WVS_1PNPDK20110920_093956_000019043106_00395_49978_2194.N1						IS2	V/V	106	49978 395 5.04
ASA_WVS_1PNPDK20110920_131535_000003293106_00397_49980_2431.N1						IS2	V/V	106	49980 397 5.04
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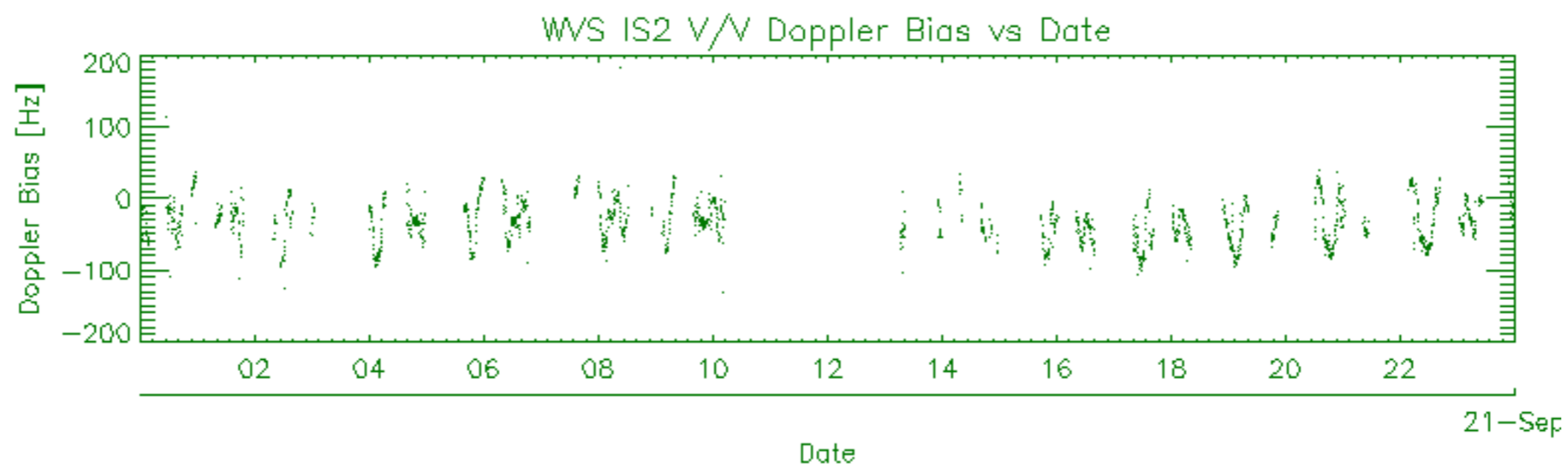
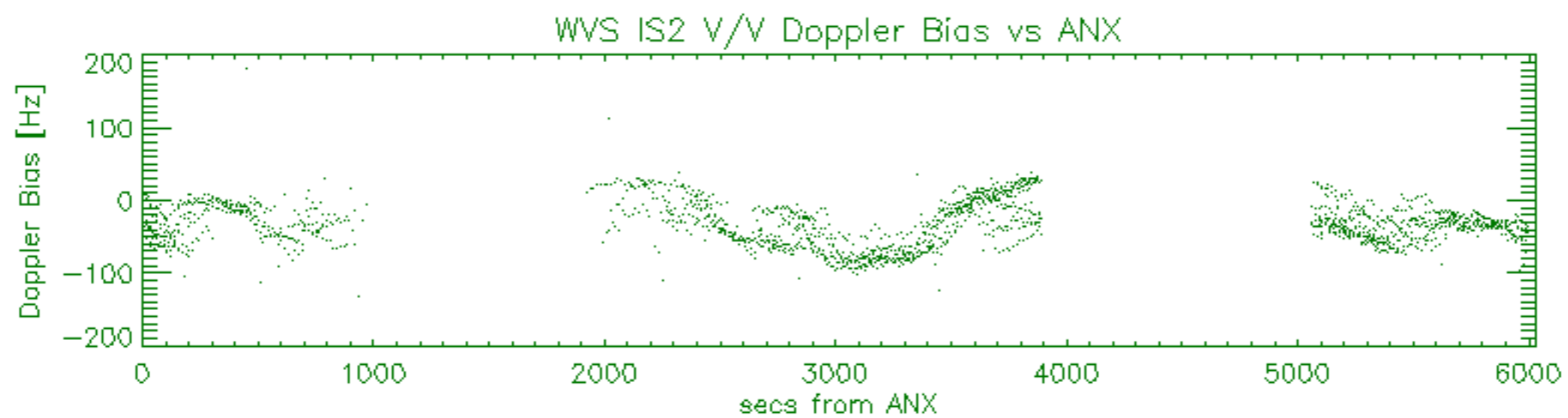
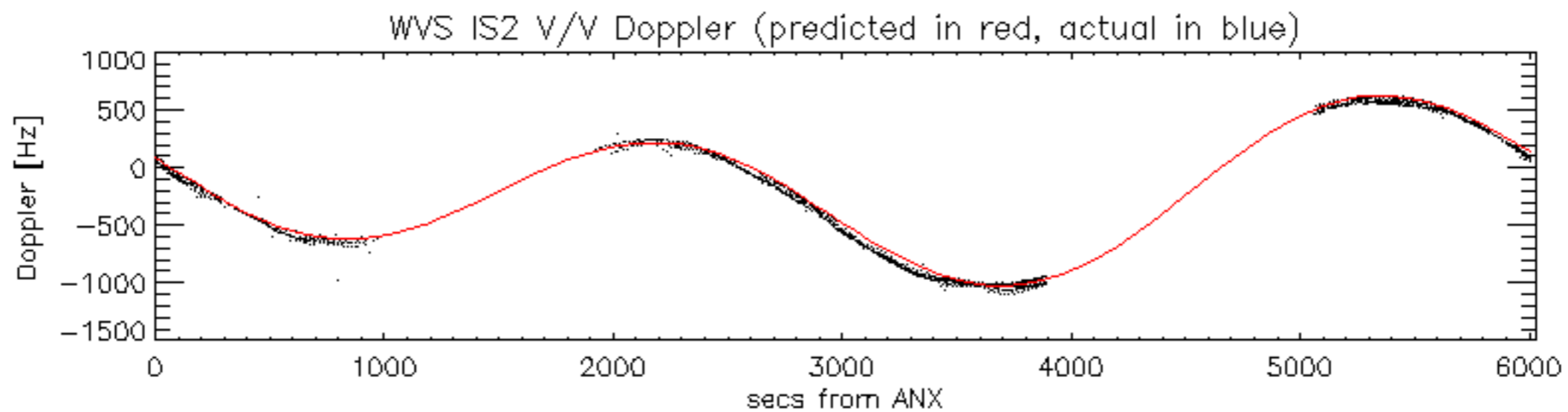


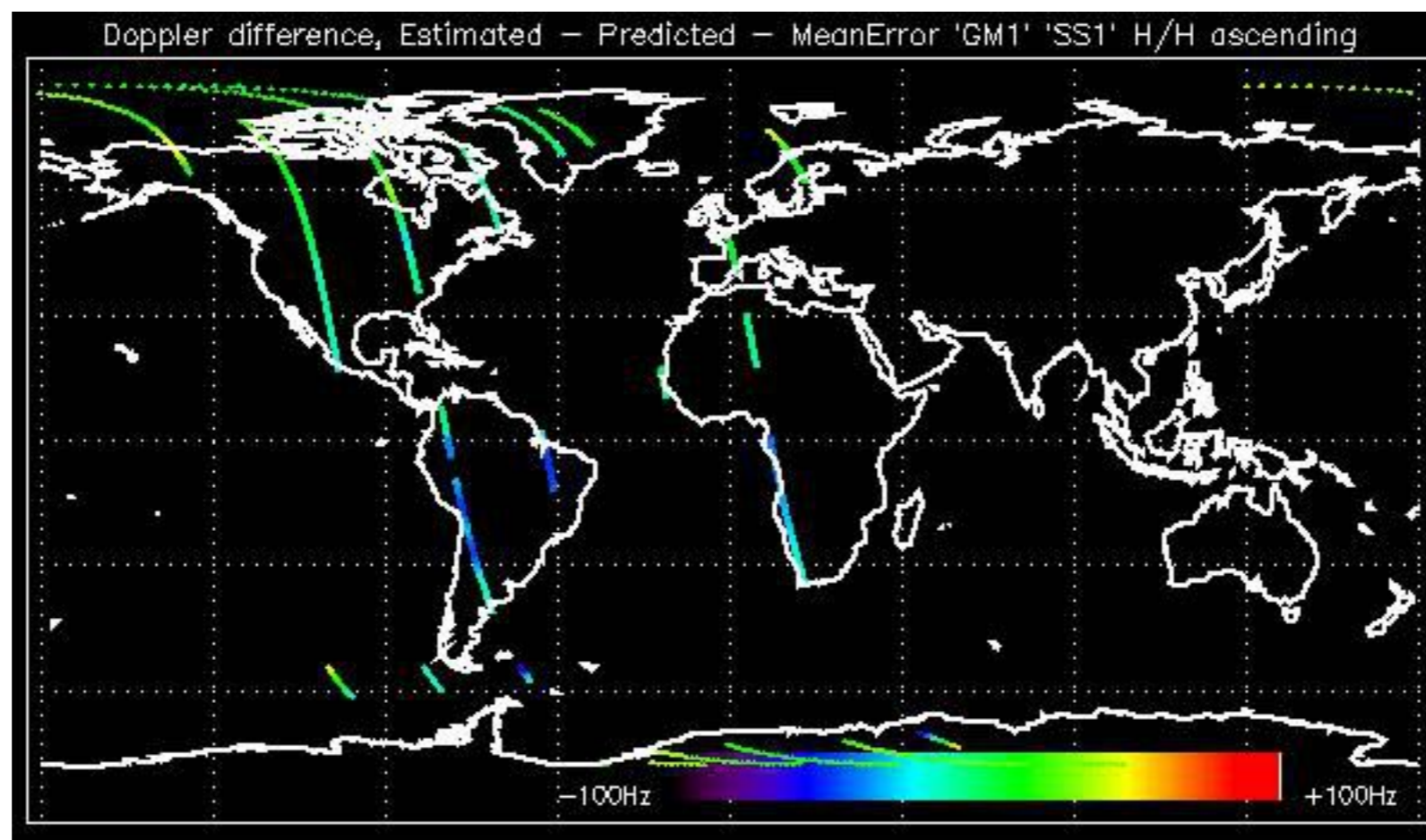


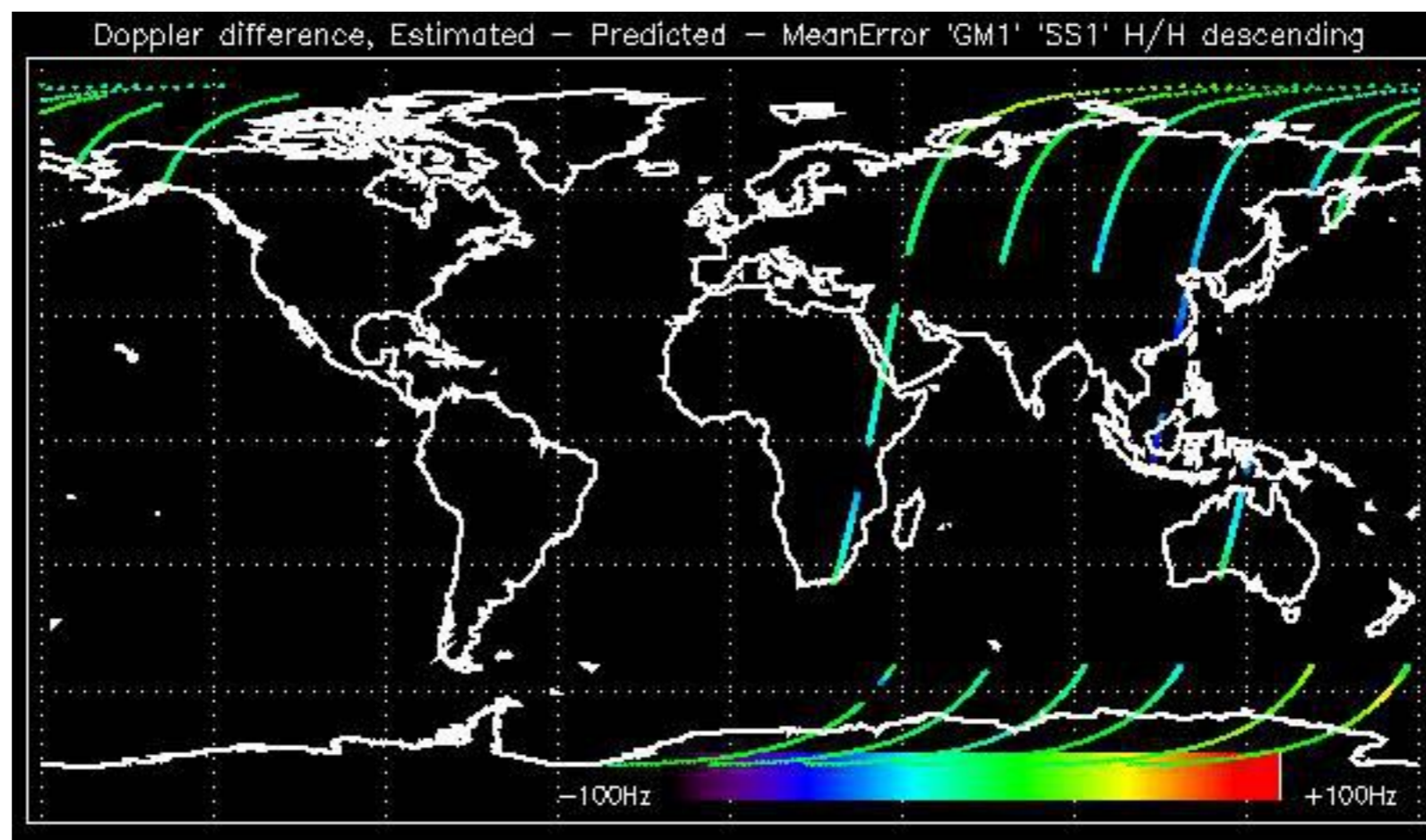


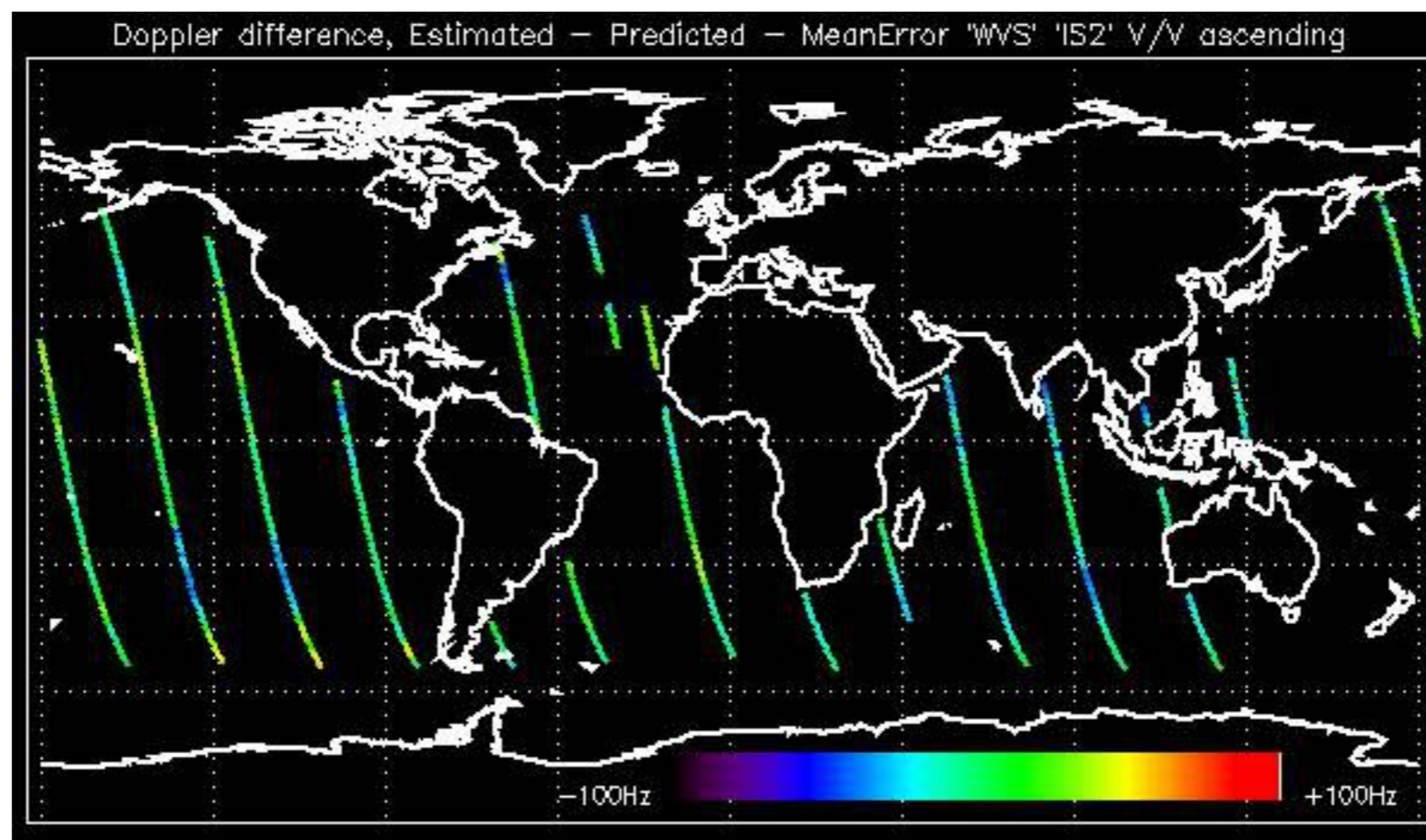


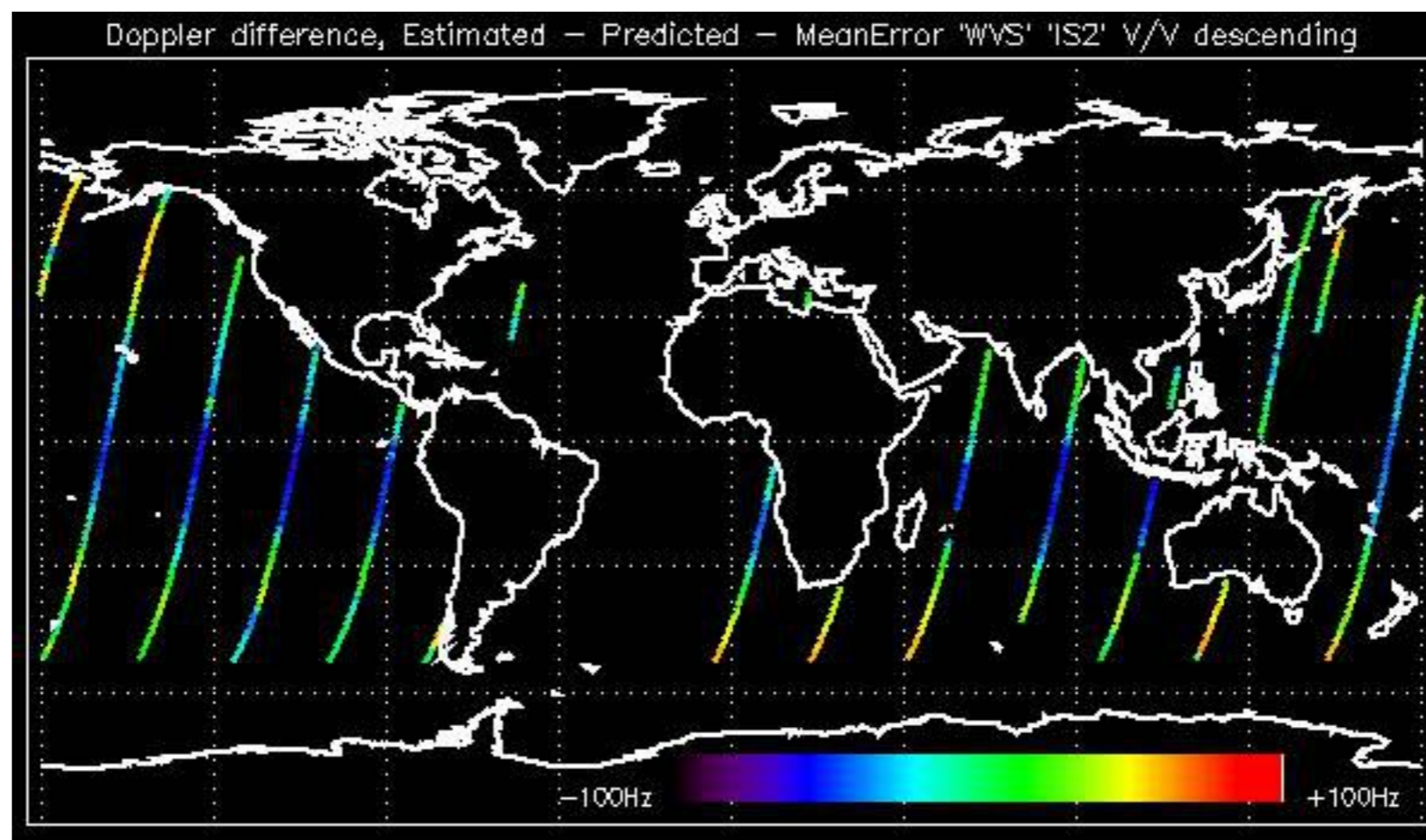


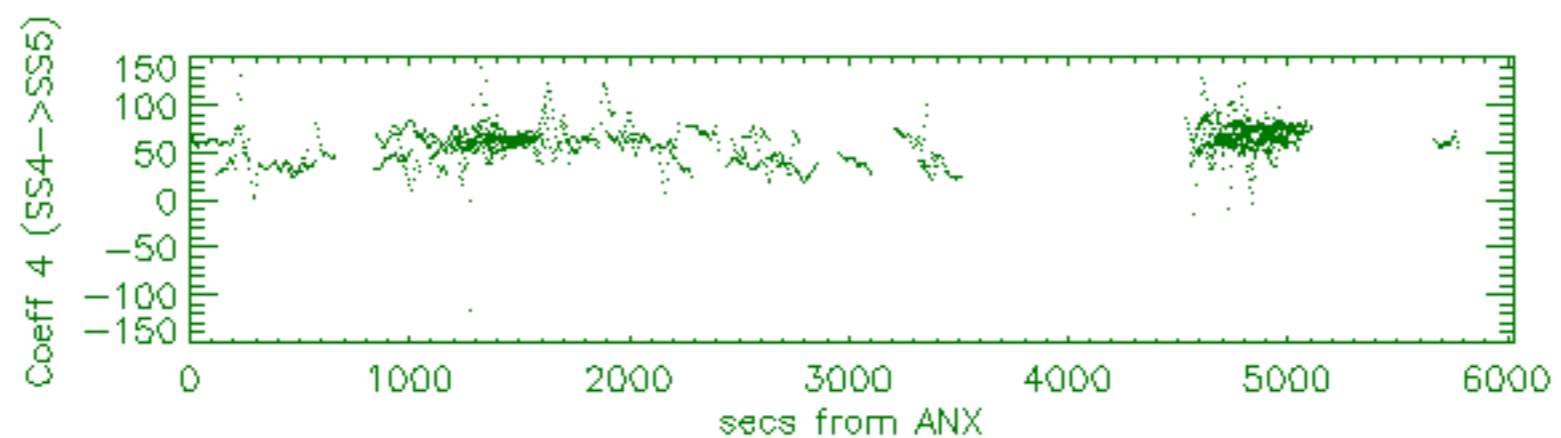
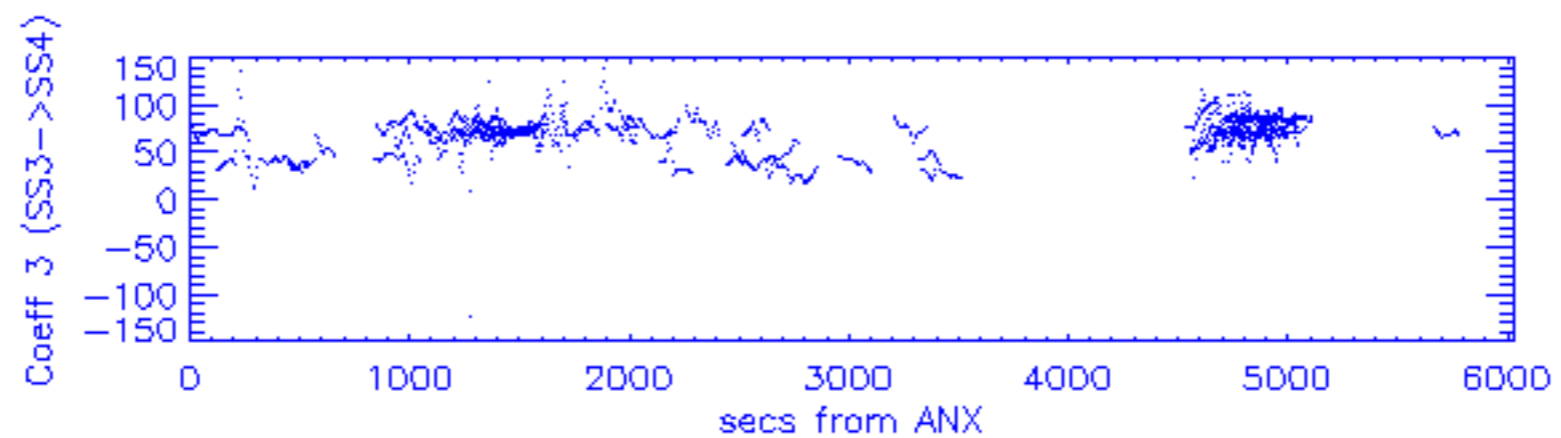
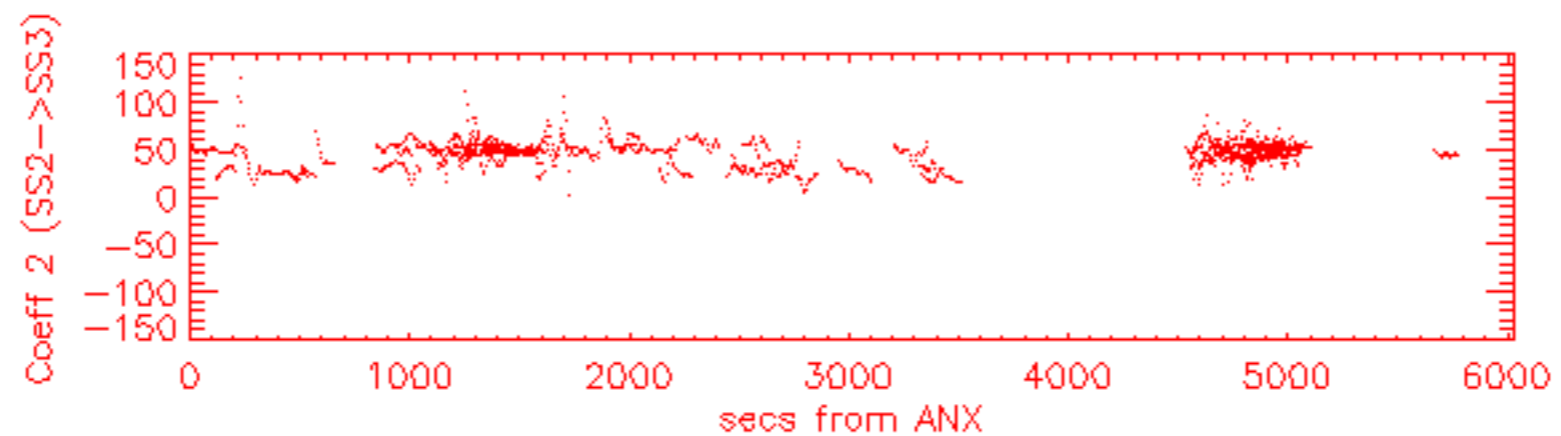
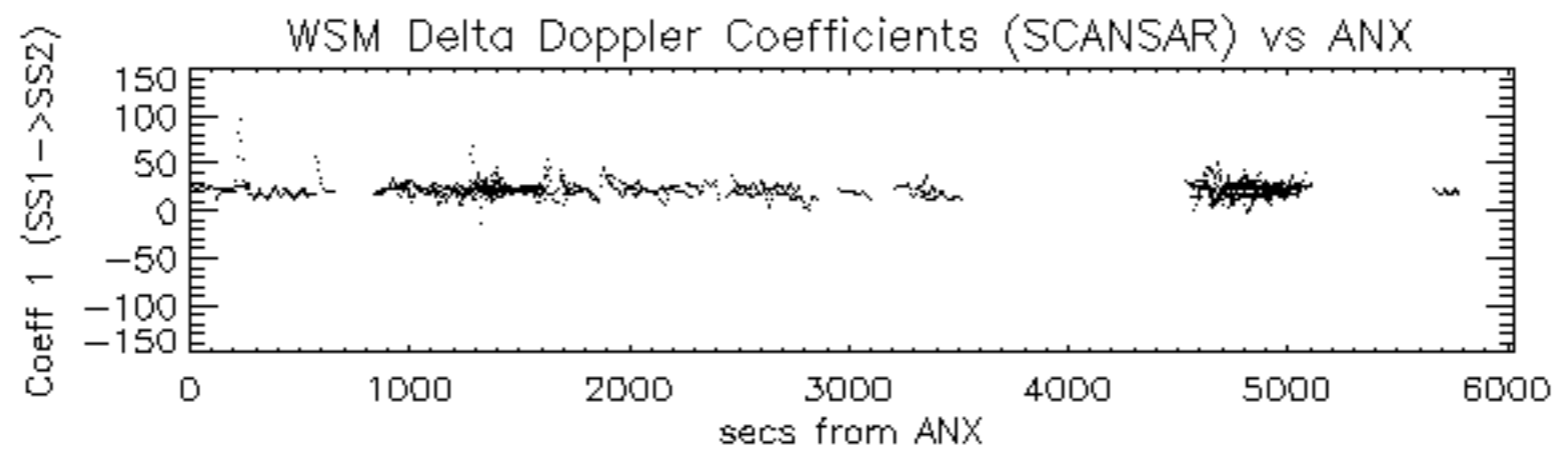


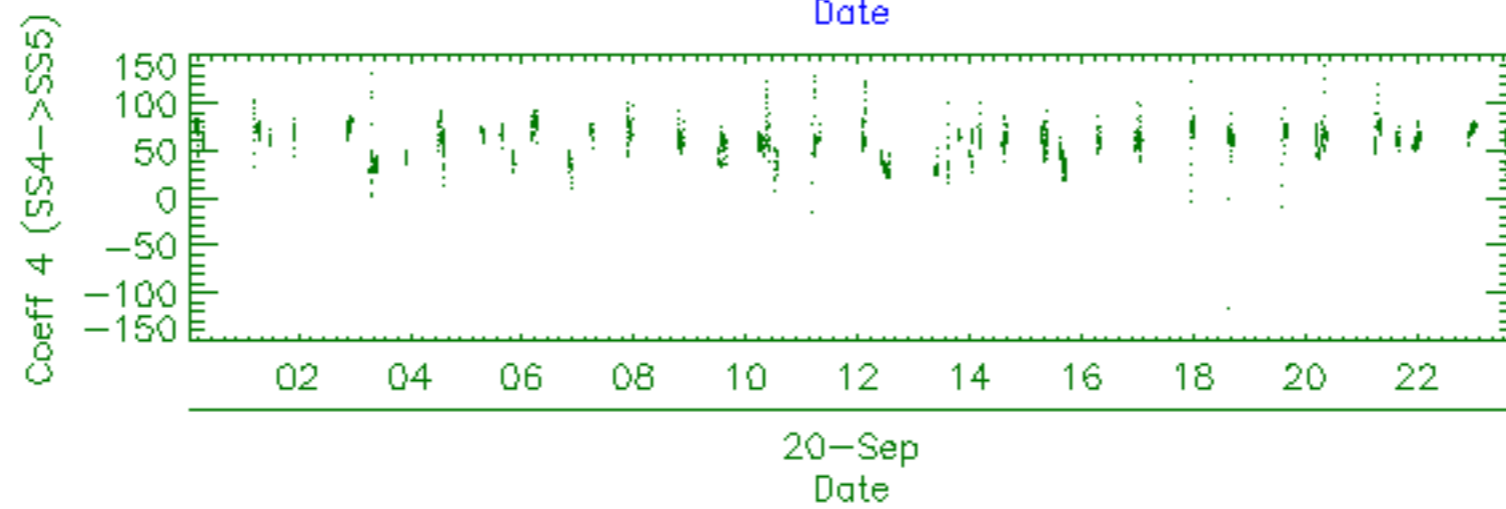
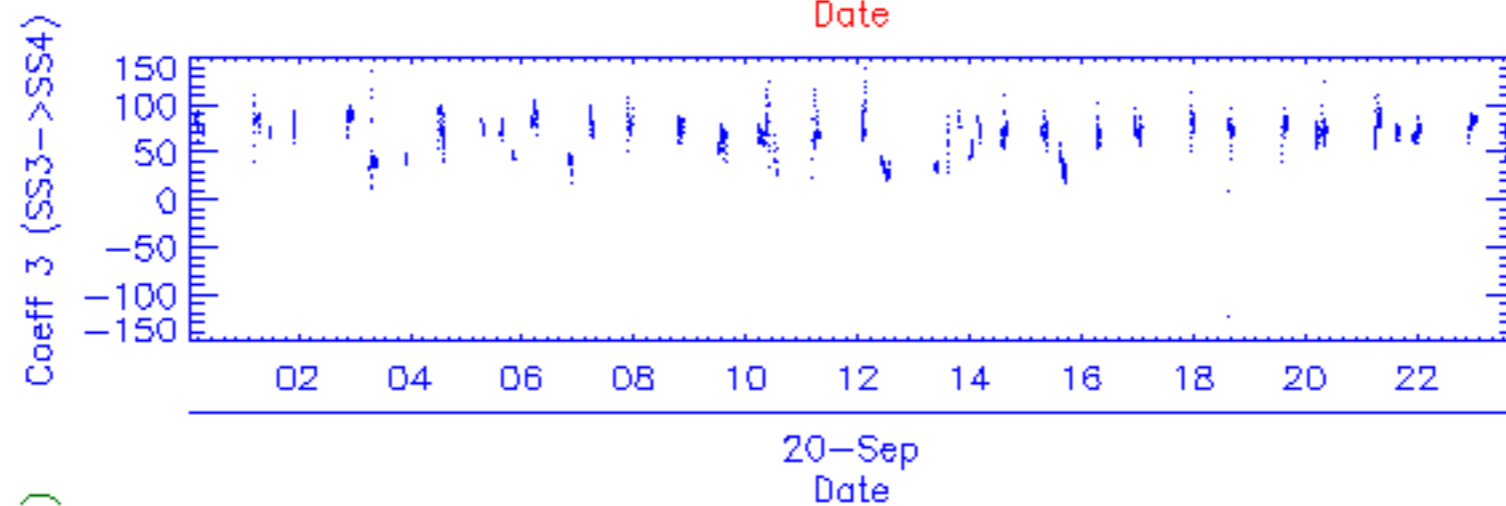
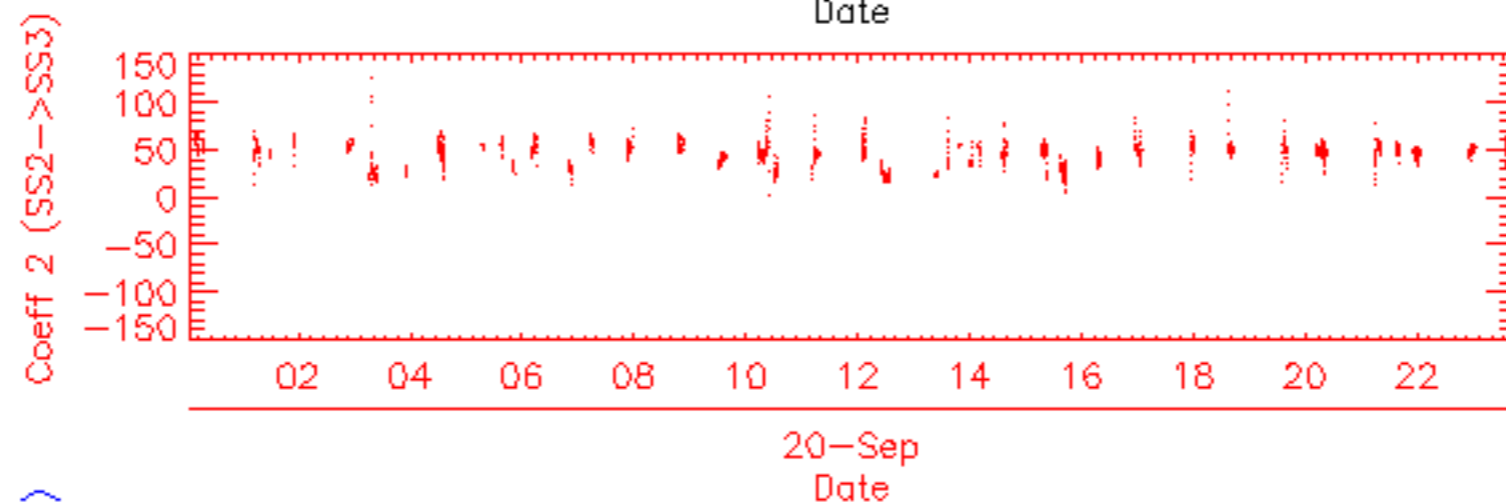
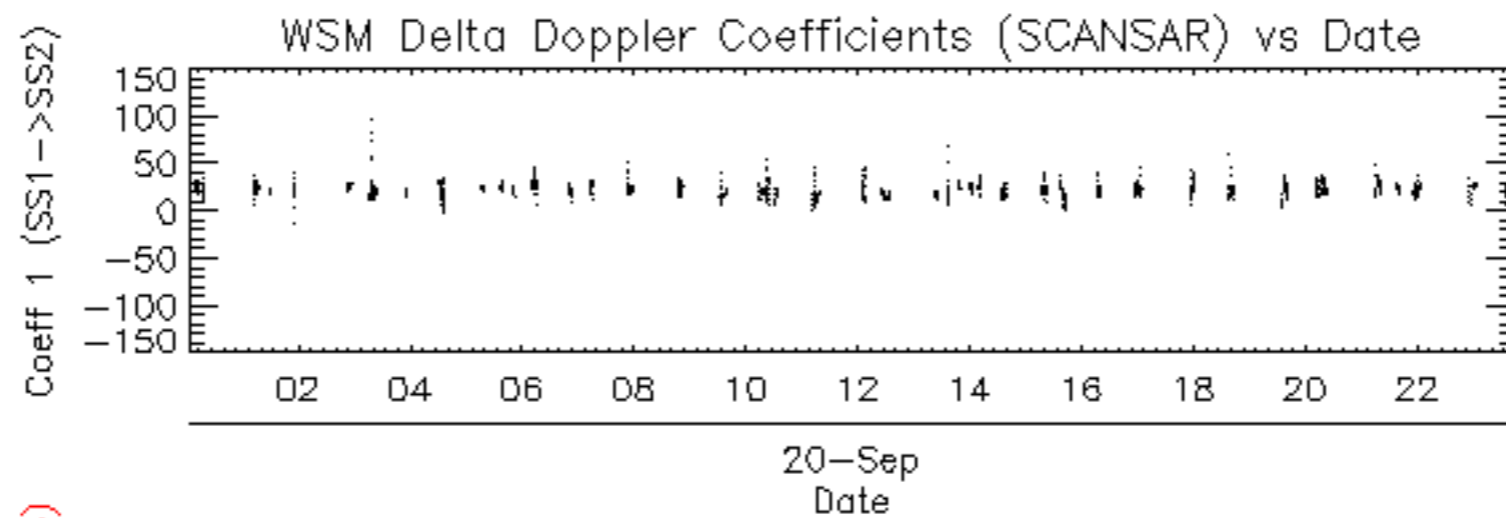


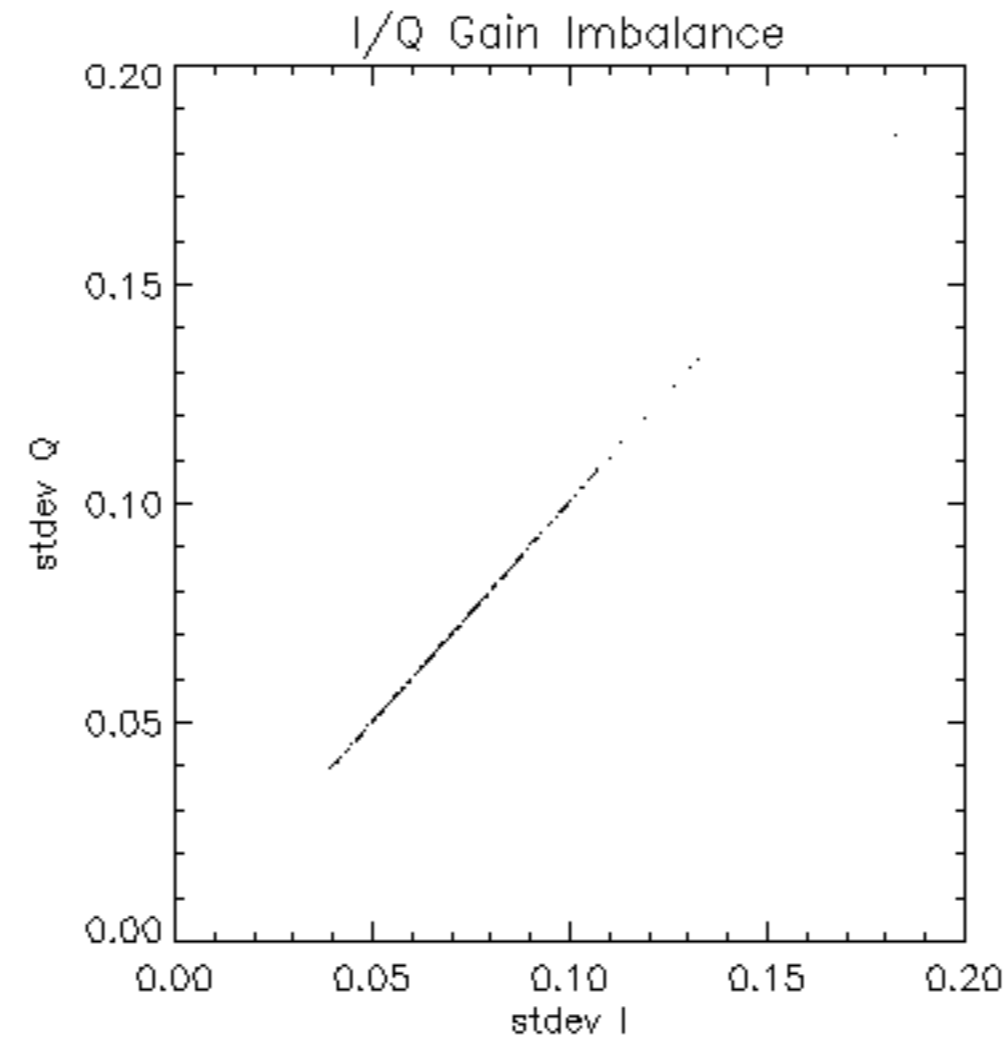


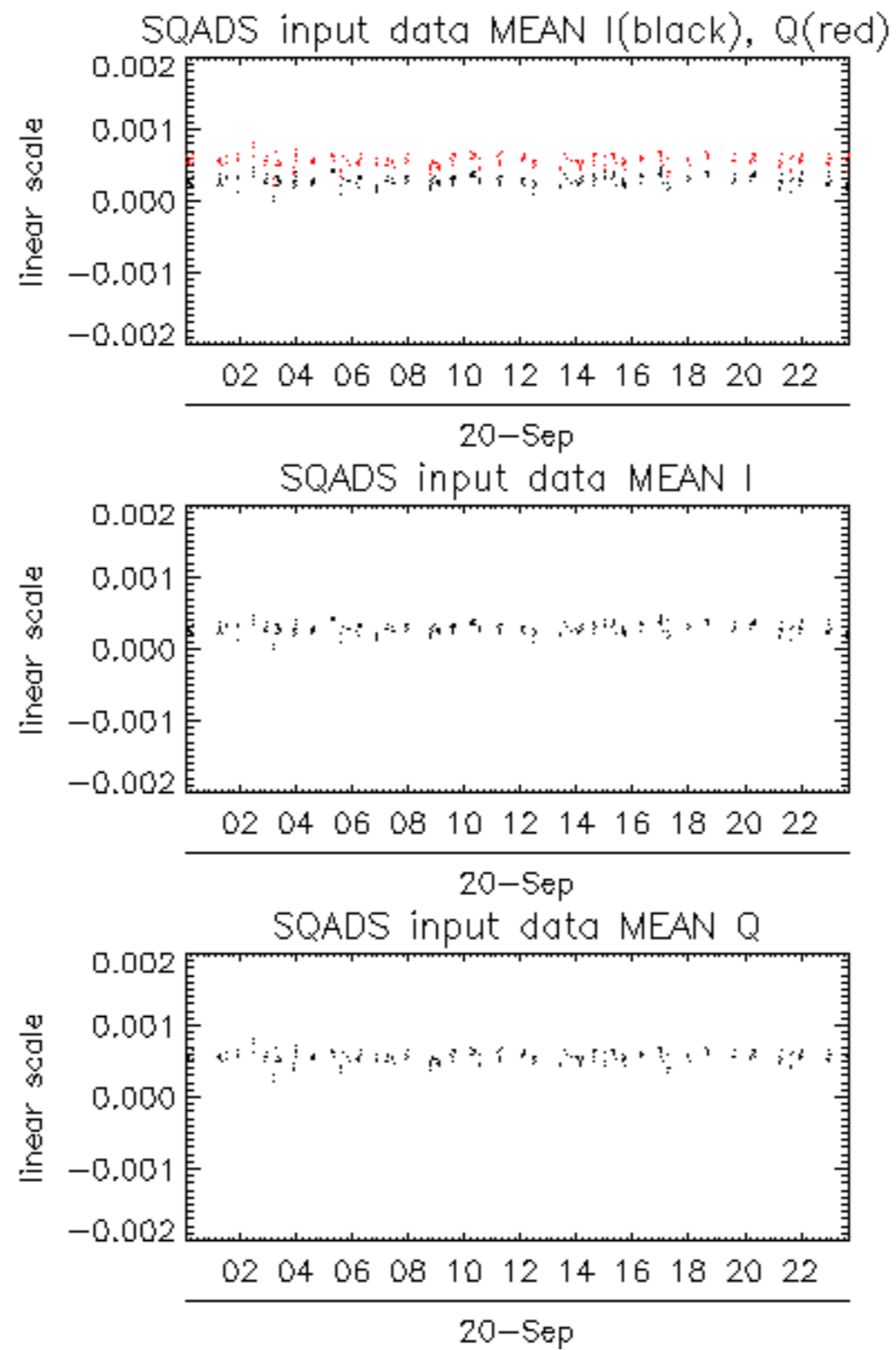


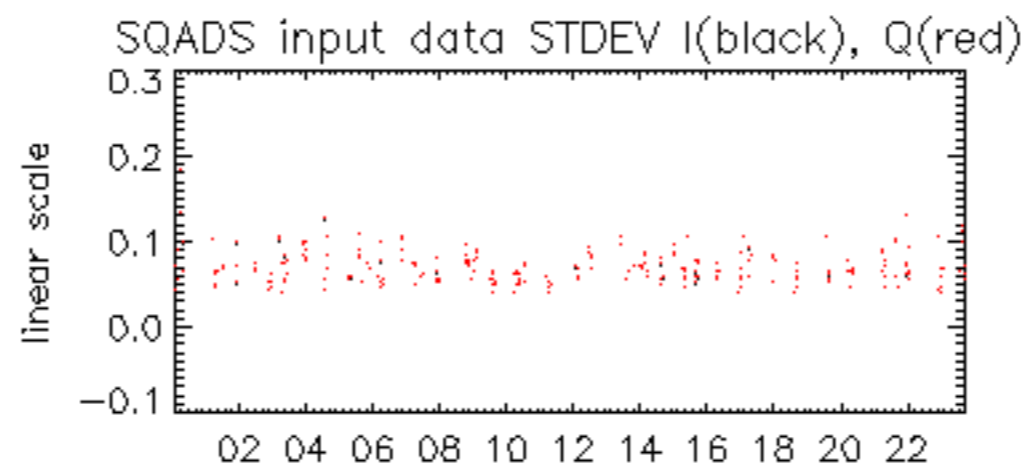




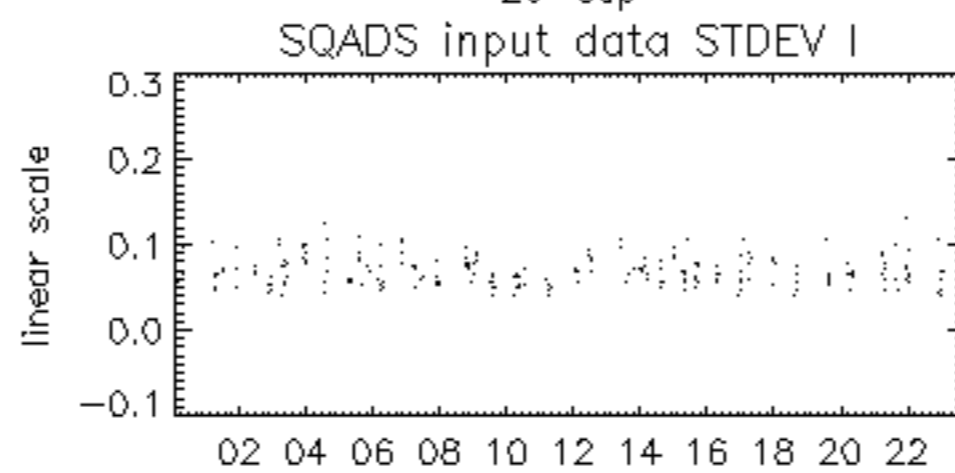




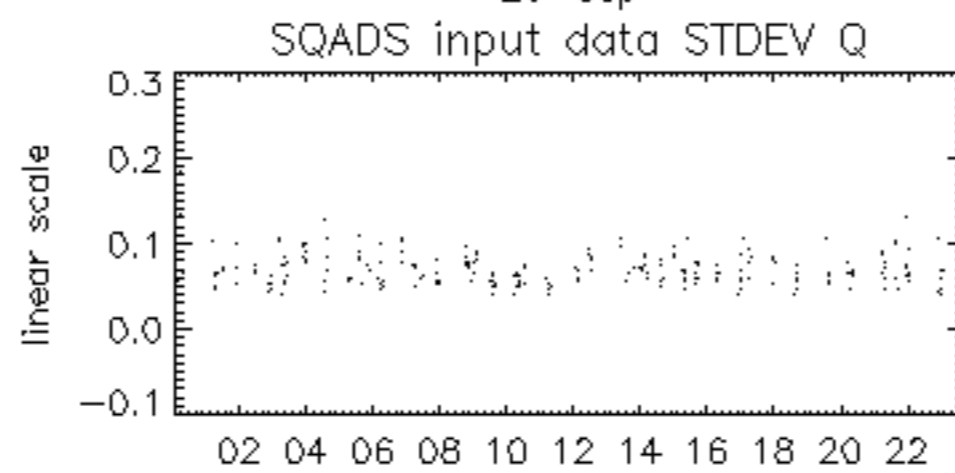




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