



Analysis from 21-JUN-2011 00:00:00 to 21-JUN-2011 23:59:59. Page generated on 22-JUN-2011 07:31:56.
View log file: ASAR_Daily_Report_20110622_0731.log. For any anomalies please contact emma.griffiths@vegaspace.com, kajal.haria@vegaspace.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	1	PDE	WS	H/H	33	PDE	IS1	H/H	1	PDE	IS2	V/V	2	PDE	WS	H/H	26	PDK	2011-06-21 06:37:24	H	320
PDE	IS2	V/V	29					PDE	IS4	H/H	2	PDE	IS4	H/H	1	PDE	WS	V/V	7	PDK	2011-06-21 08:17:38	V	320
PDK	IS1	V/V	1					PDE	IS4	V/H	4	PDE	IS6	H/H	4								
PDK	IS2	V/V	22					PDE	IS4	V/V	1	PDE	IS6	V/V	1								
								PDE	IS5	H/H	1	PDE	IS7	V/V	1								

1.2 - Lists of products used

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

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

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ADFs disseminated for ASAR
ASA_CON_AXVIEC20110526_075001_20101027_215740_20141231_000000
ASA_INS_AXVIEC20110124_114858_20101228_112000_20141231_235959
ASA_XCH_AXVIEC20101222_143057_20020301_000000_20141231_000000
ASA_XCA_AXVIEC20110526_075734_20101027_215740_20141231_000000

2.2 - Products with wrong ADFs

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Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
WVS	0	0	0	0
GM1	0	0	0	0
APM	0	0	0	0
IMM	0	0	0	0
WSM	0	0	0	0

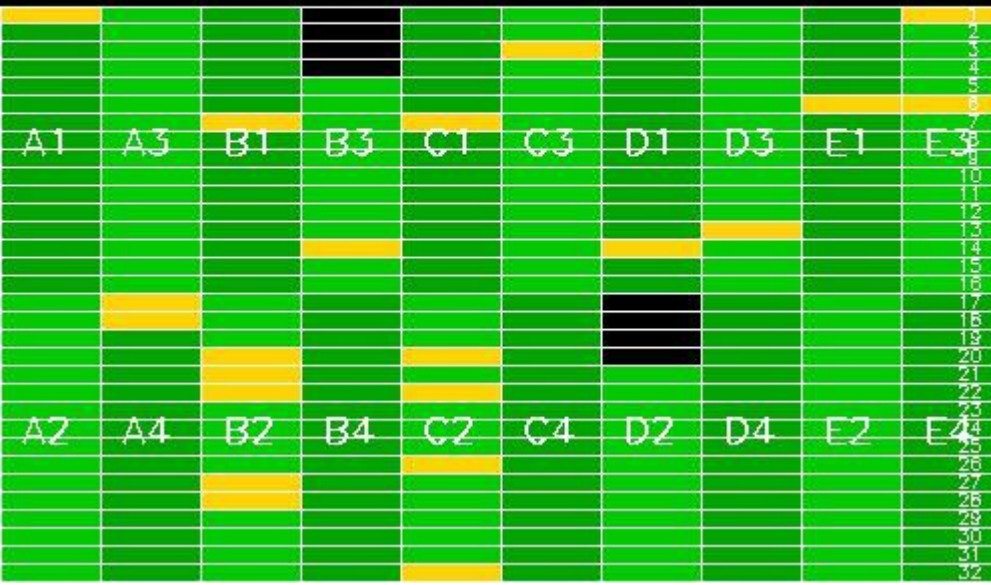
[TXT] [XLS] [Check_ADFs_WVS](#)
 [TXT] [XLS] [Check_ADFs_GM1](#)
 [TXT] [XLS] [Check_ADFs_APM](#)
 [TXT] [XLS] [Check_ADFs_IMM](#)
 [TXT] [XLS] [Check_ADFs_WSM](#)

3 - MODULE STEPPING PRODUCTS ANALYSIS

SECOND FIXED REFERENCE

Pre-launch reference (2001-02-09)

Reference: 2001-02-09 14:08:23 V RxGain
 Test : 2011-06-21 08:17:38 V



PREVIOUS PRODUCT REFERENCE

Previous product in the same polarisation

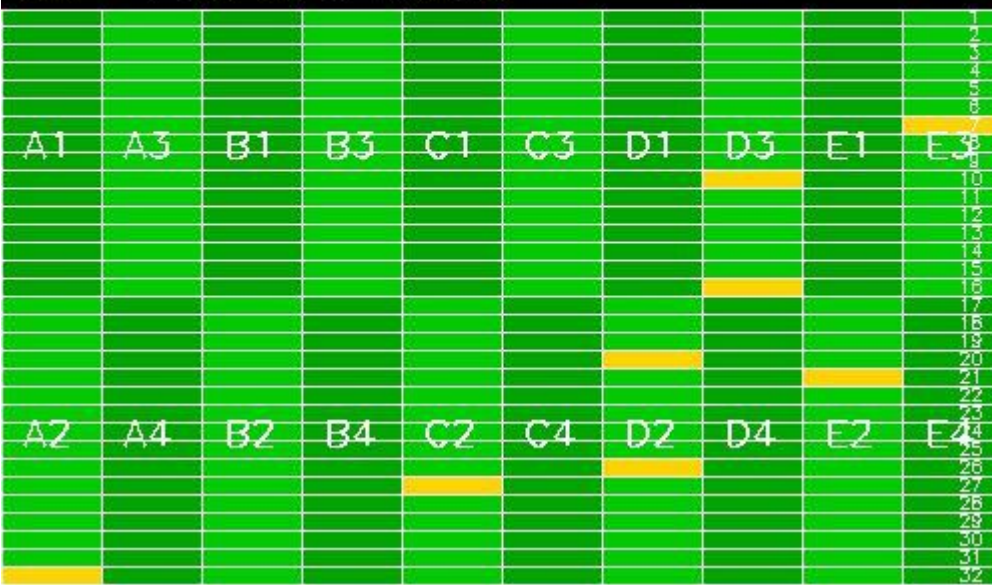
Reference: 2011-06-20 08:54:23 V RxGain
 Test : 2011-06-21 08:17:38 V

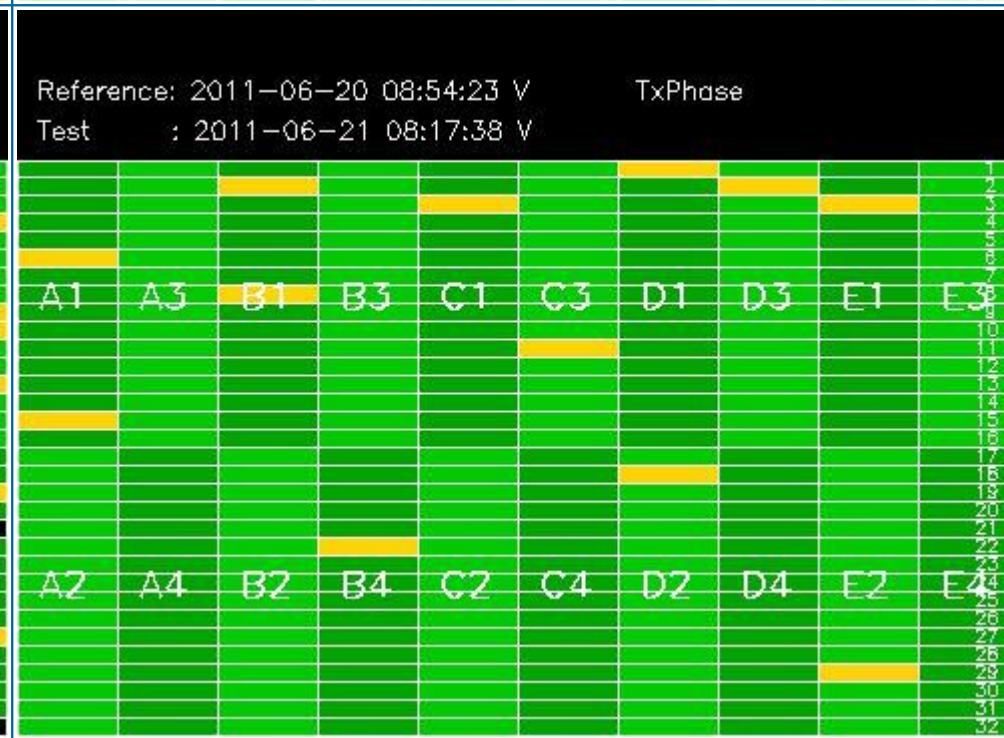
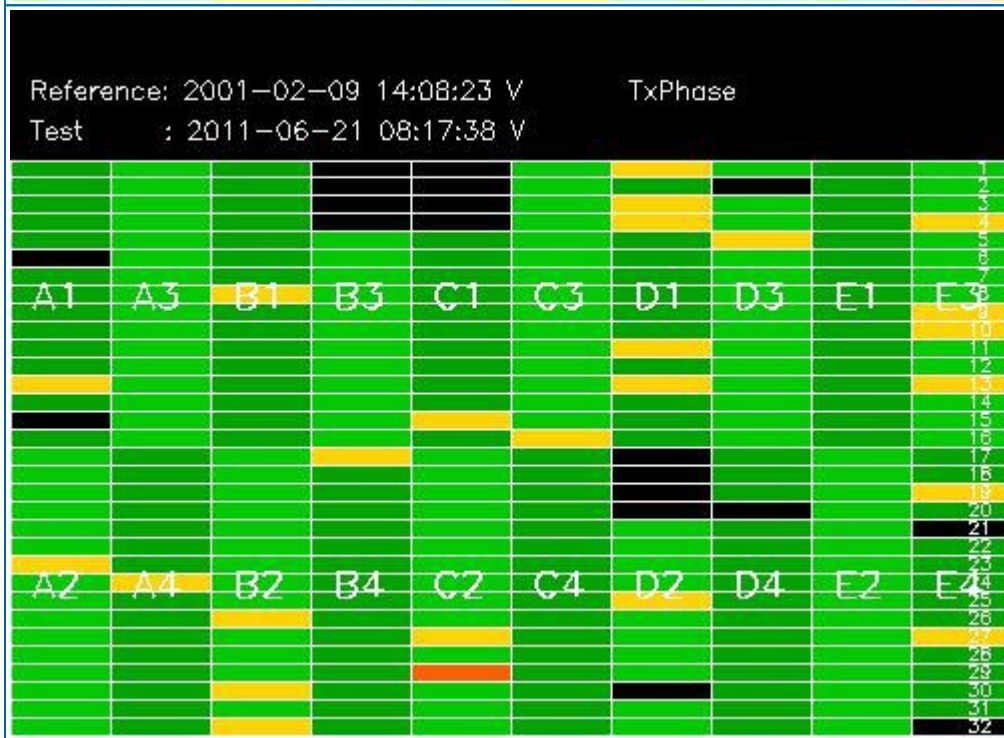
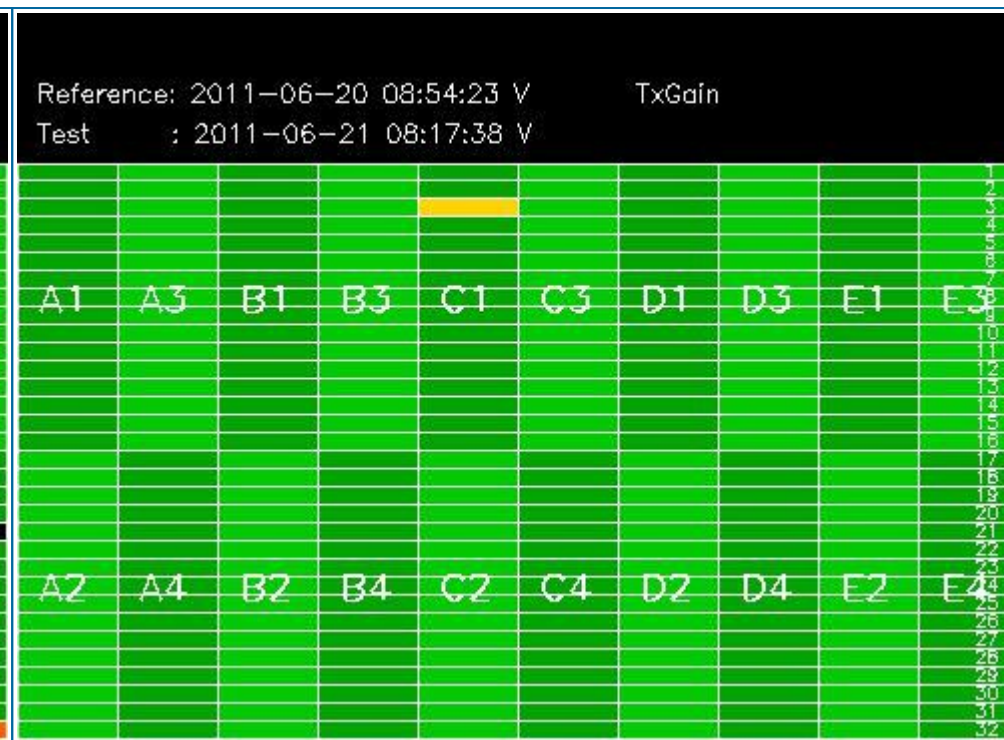
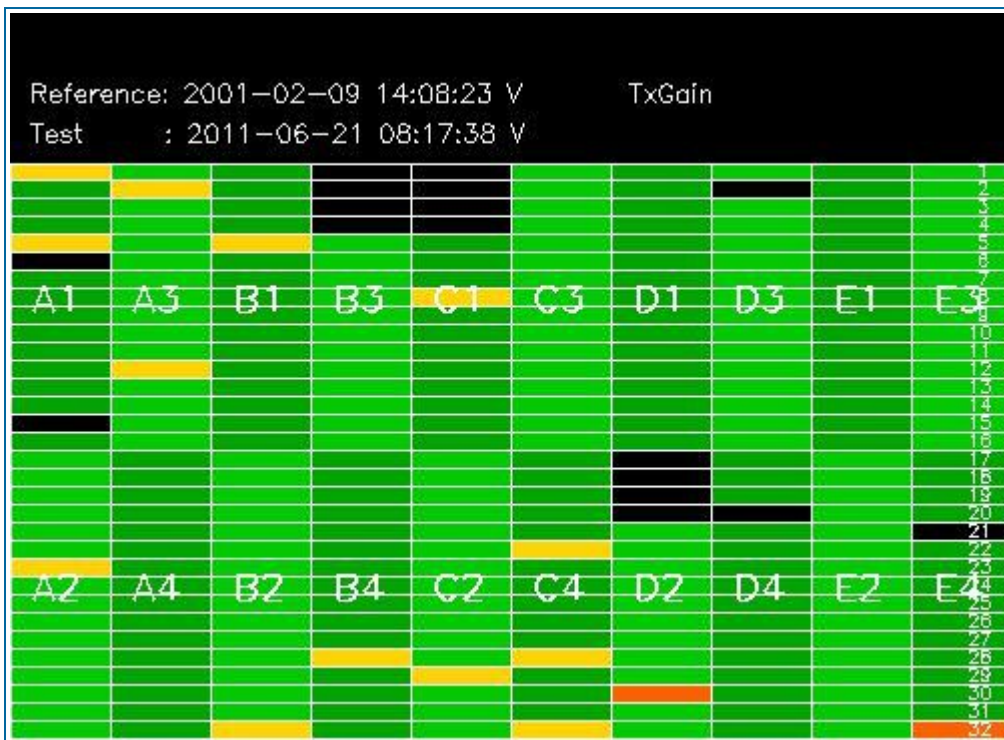


Reference: 2001-02-09 14:08:23 V RxPhase
 Test : 2011-06-21 08:17:38 V



Reference: 2011-06-20 08:54:23 V RxPhase
 Test : 2011-06-21 08:17:38 V

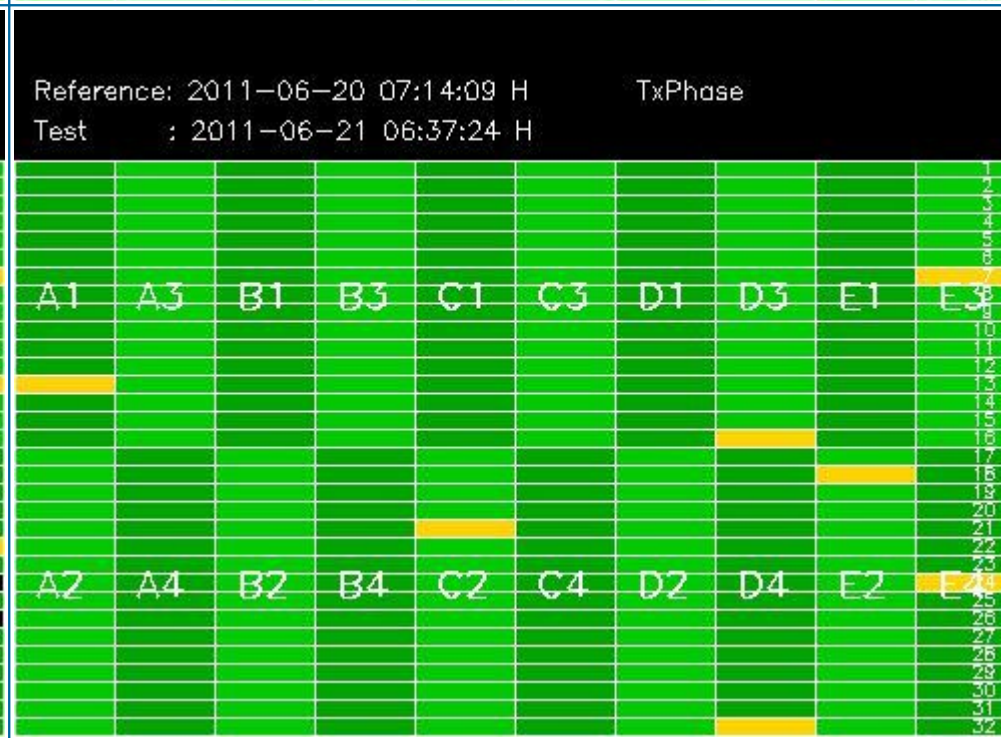
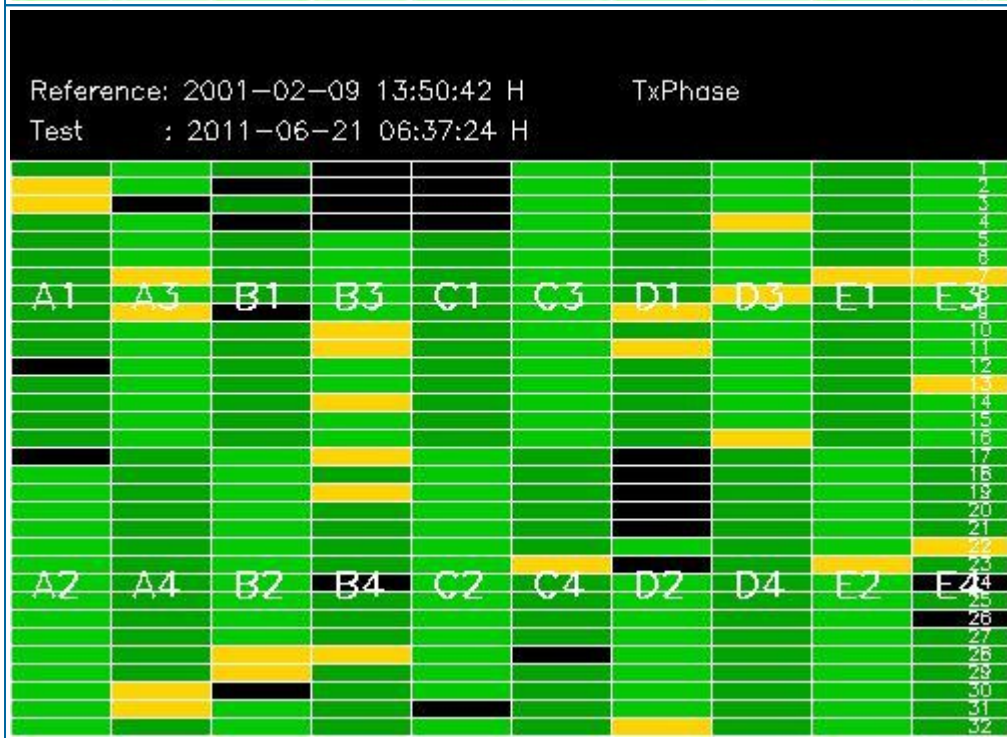
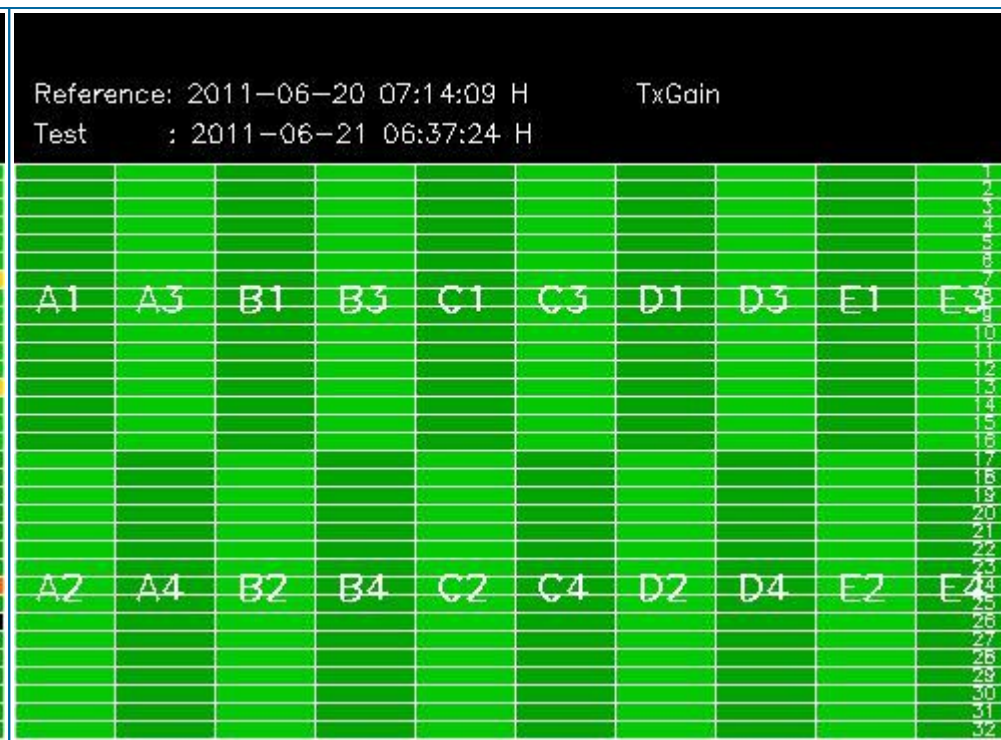
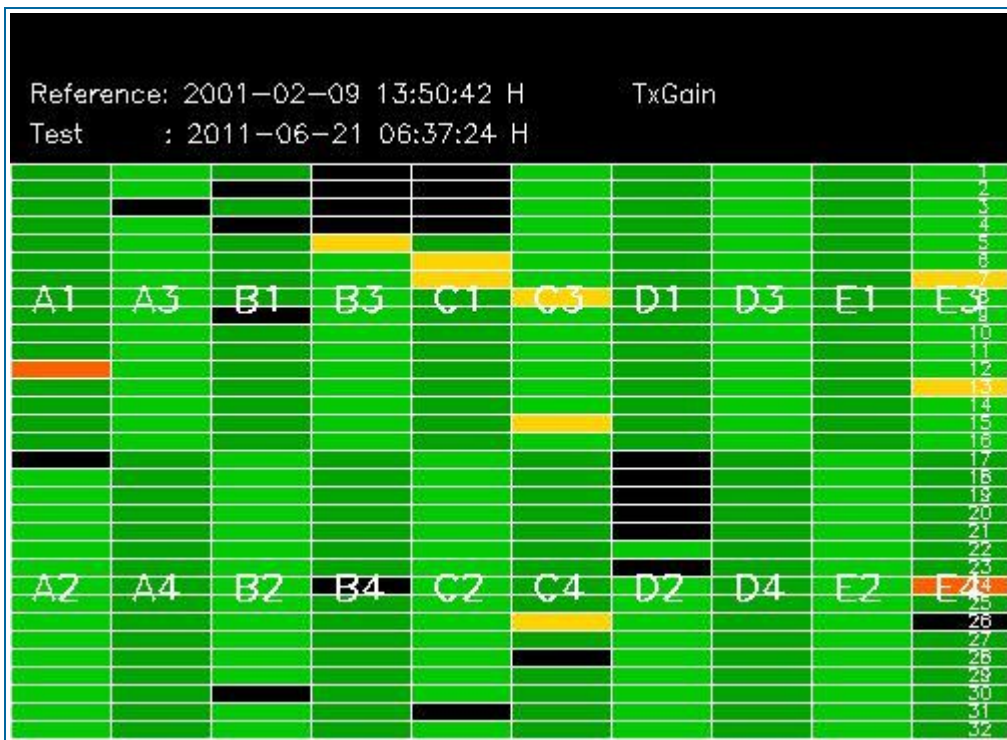




3.2 - H/H polarisation

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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

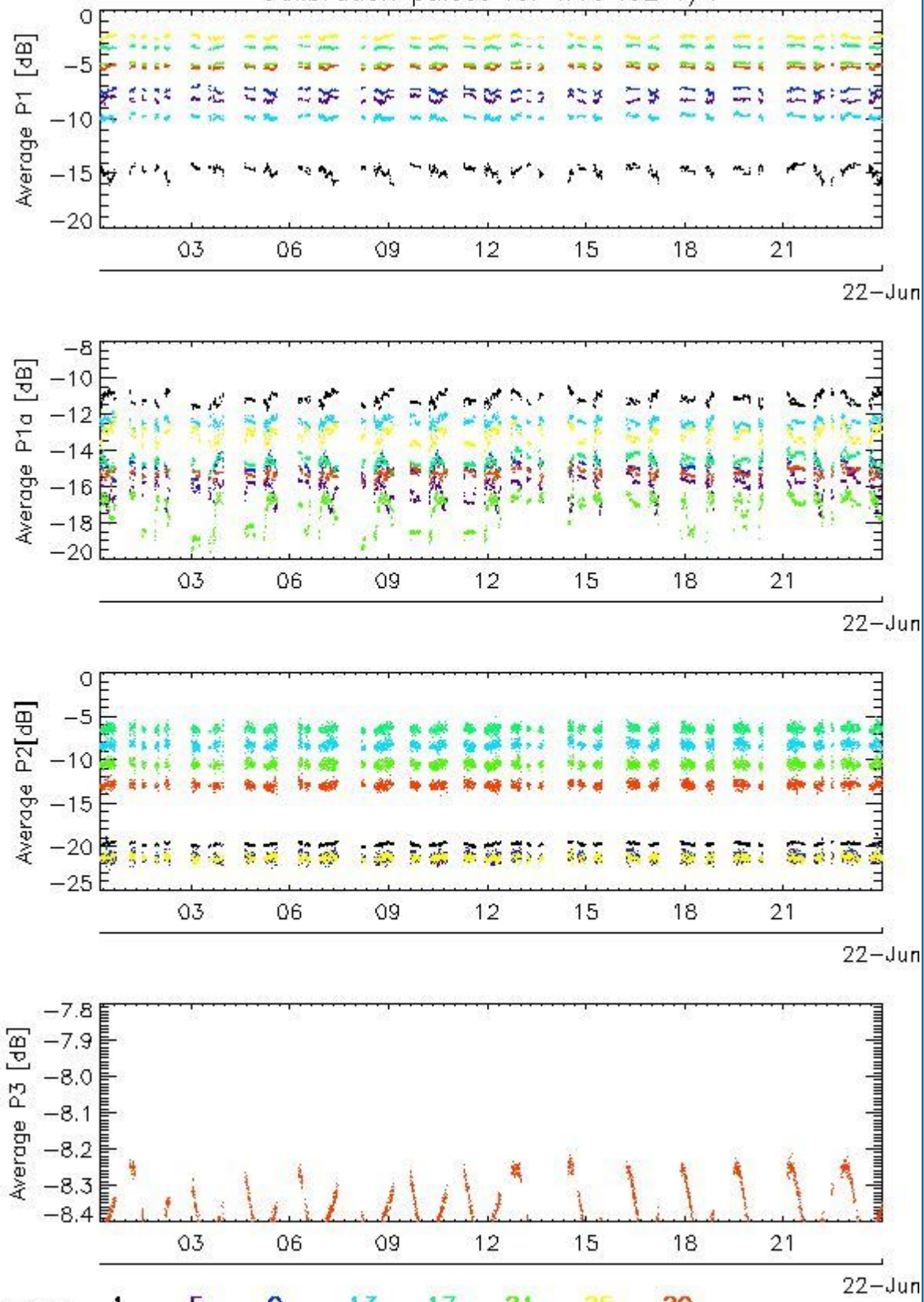
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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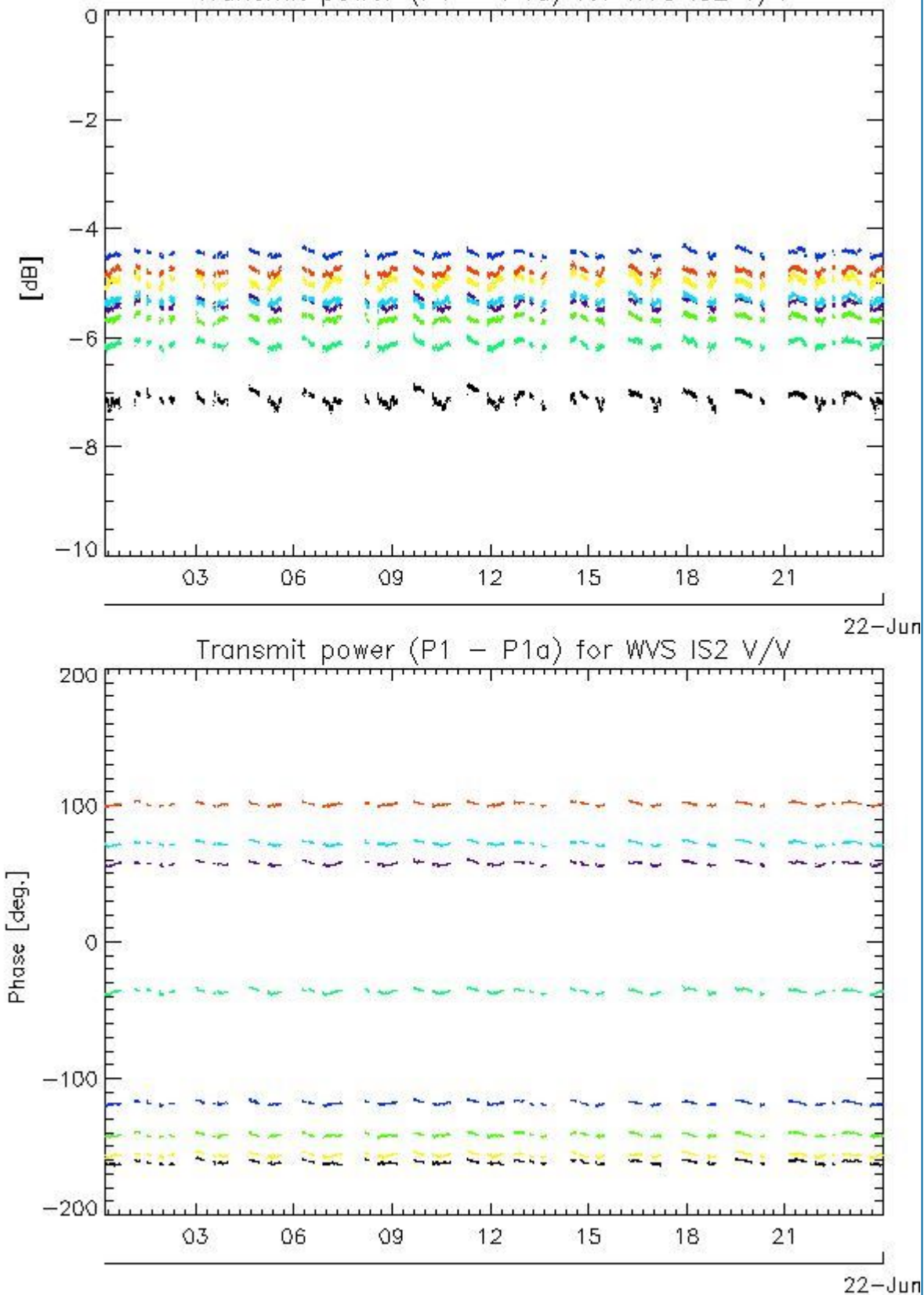
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

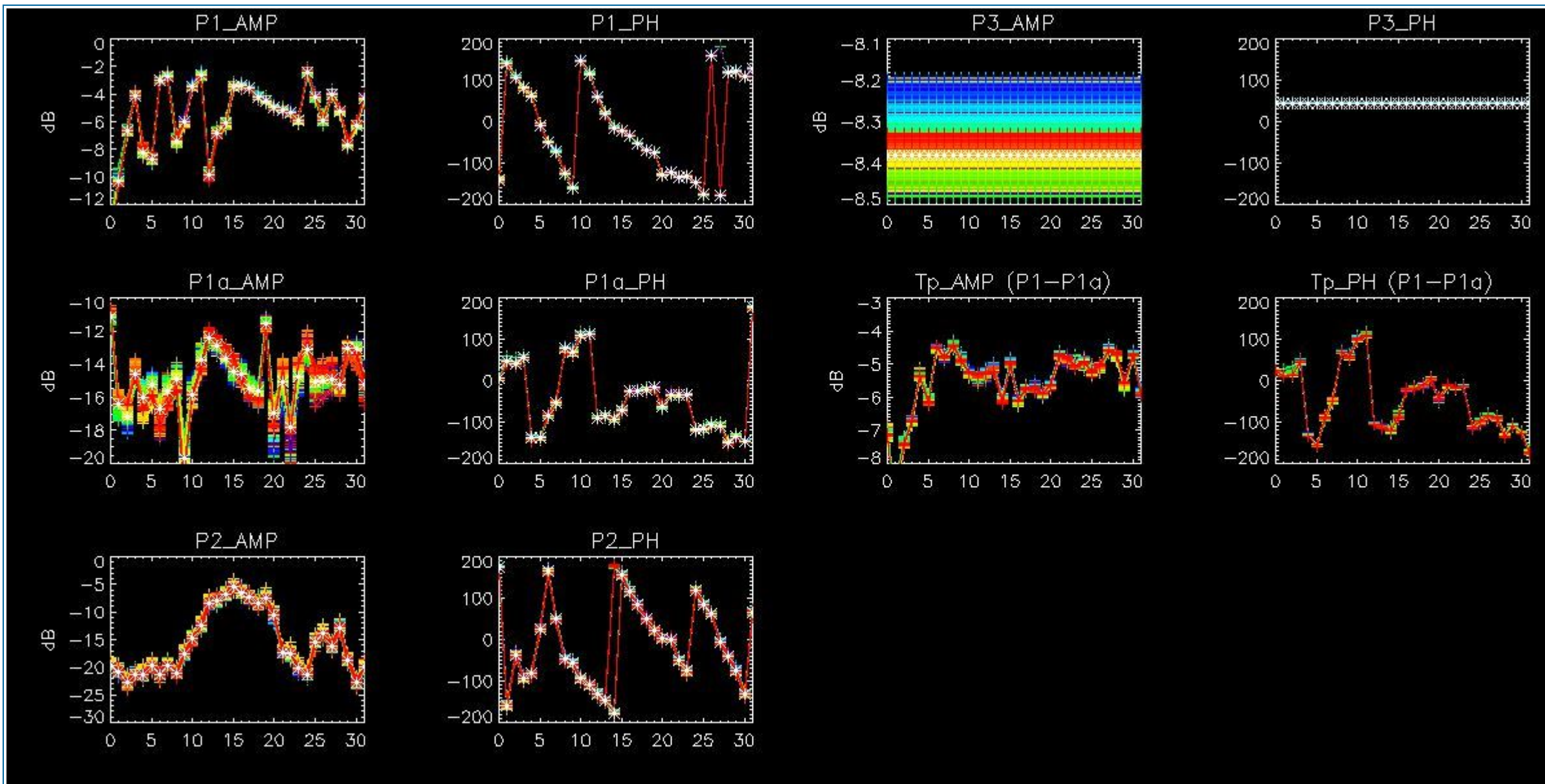


Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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4.2 - Analysis for GM1 SS3 H/H

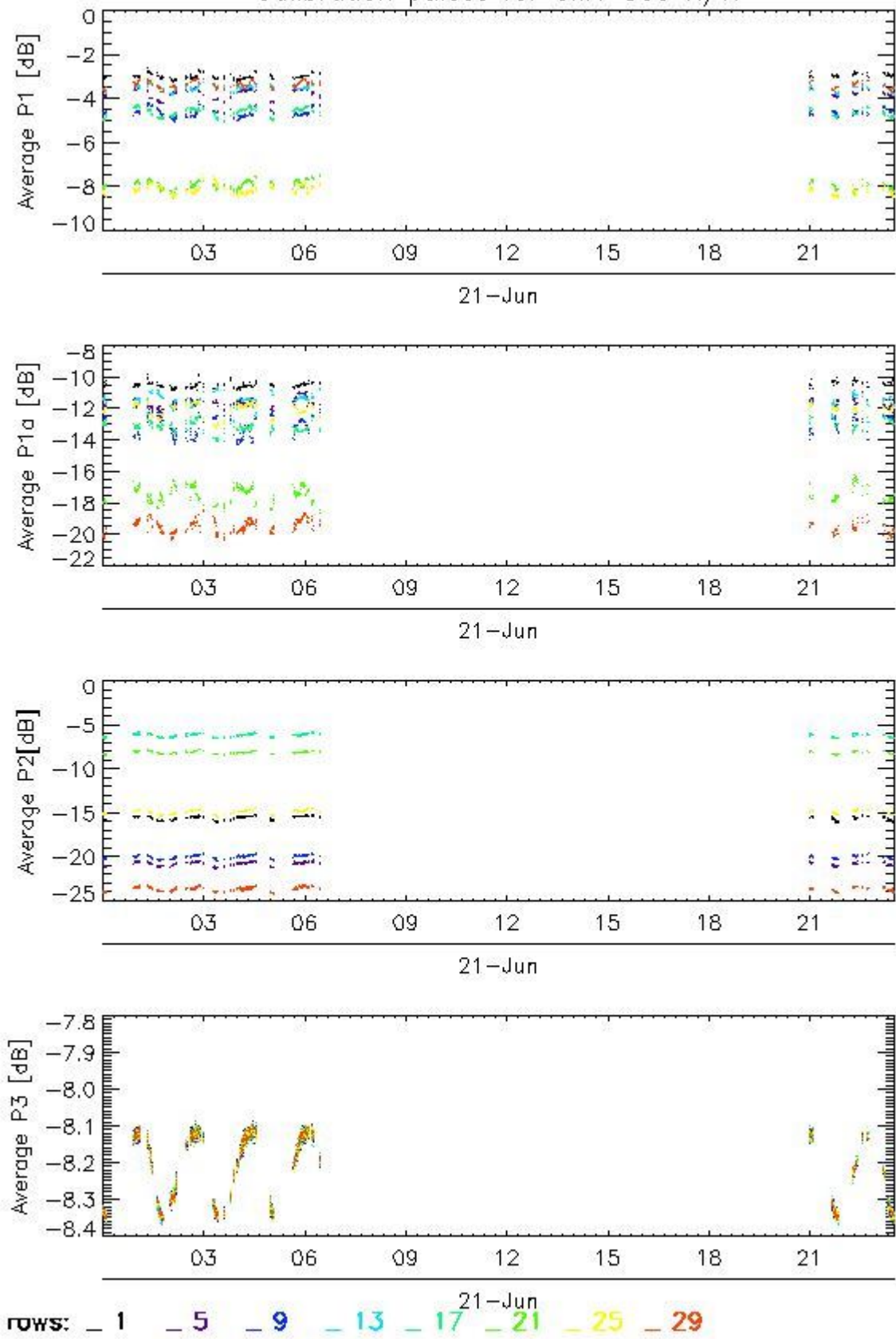
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

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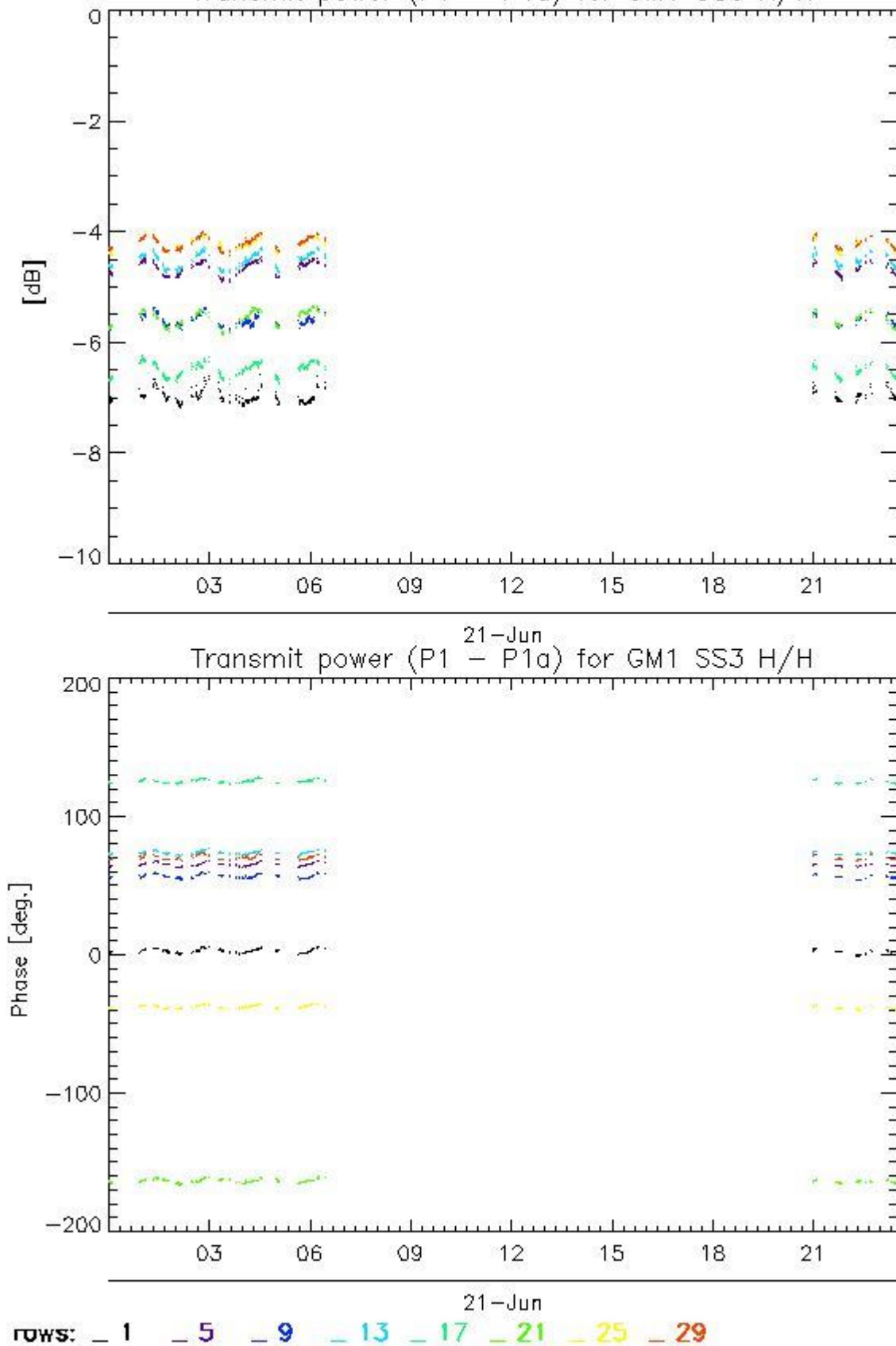
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



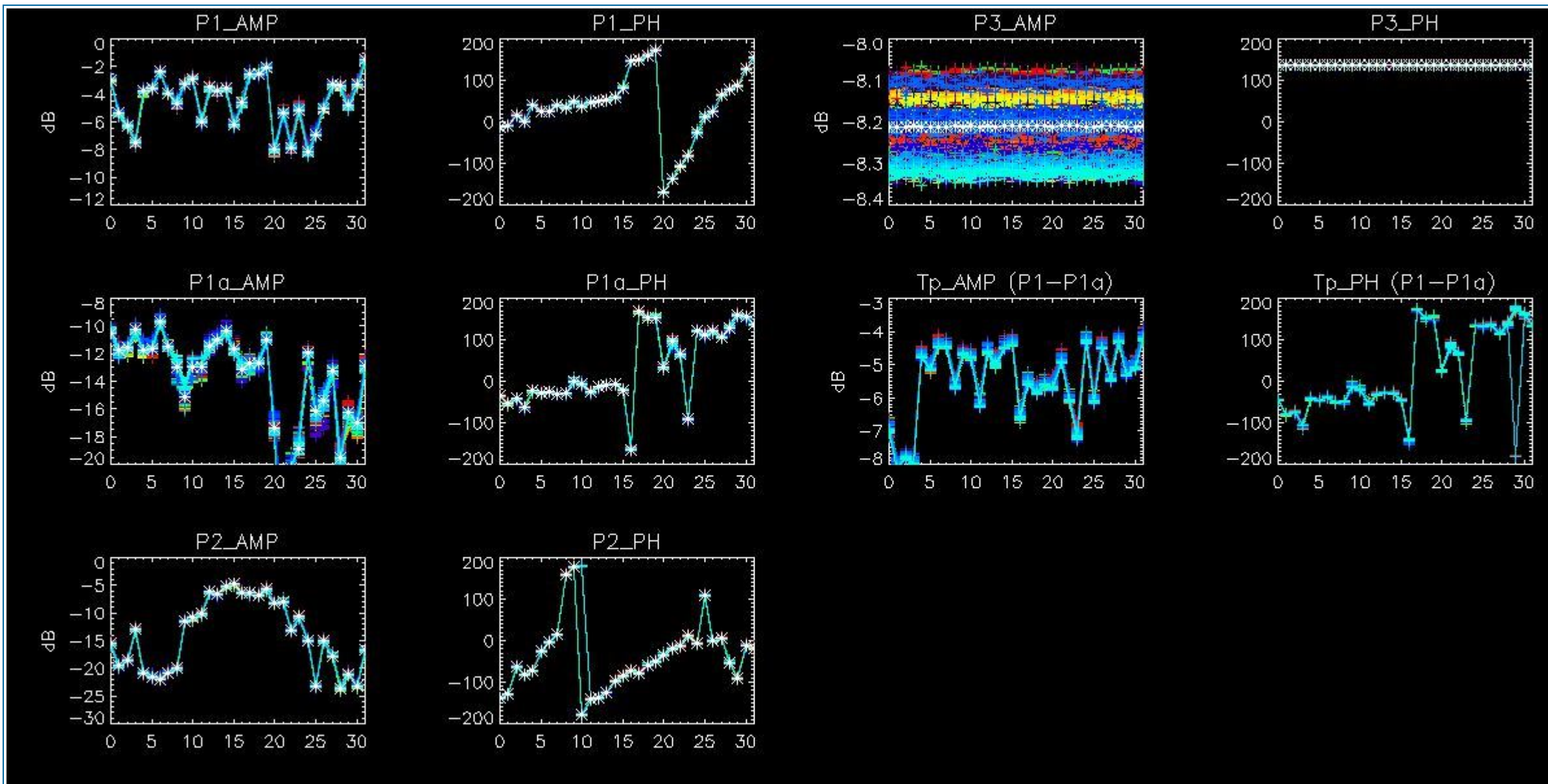
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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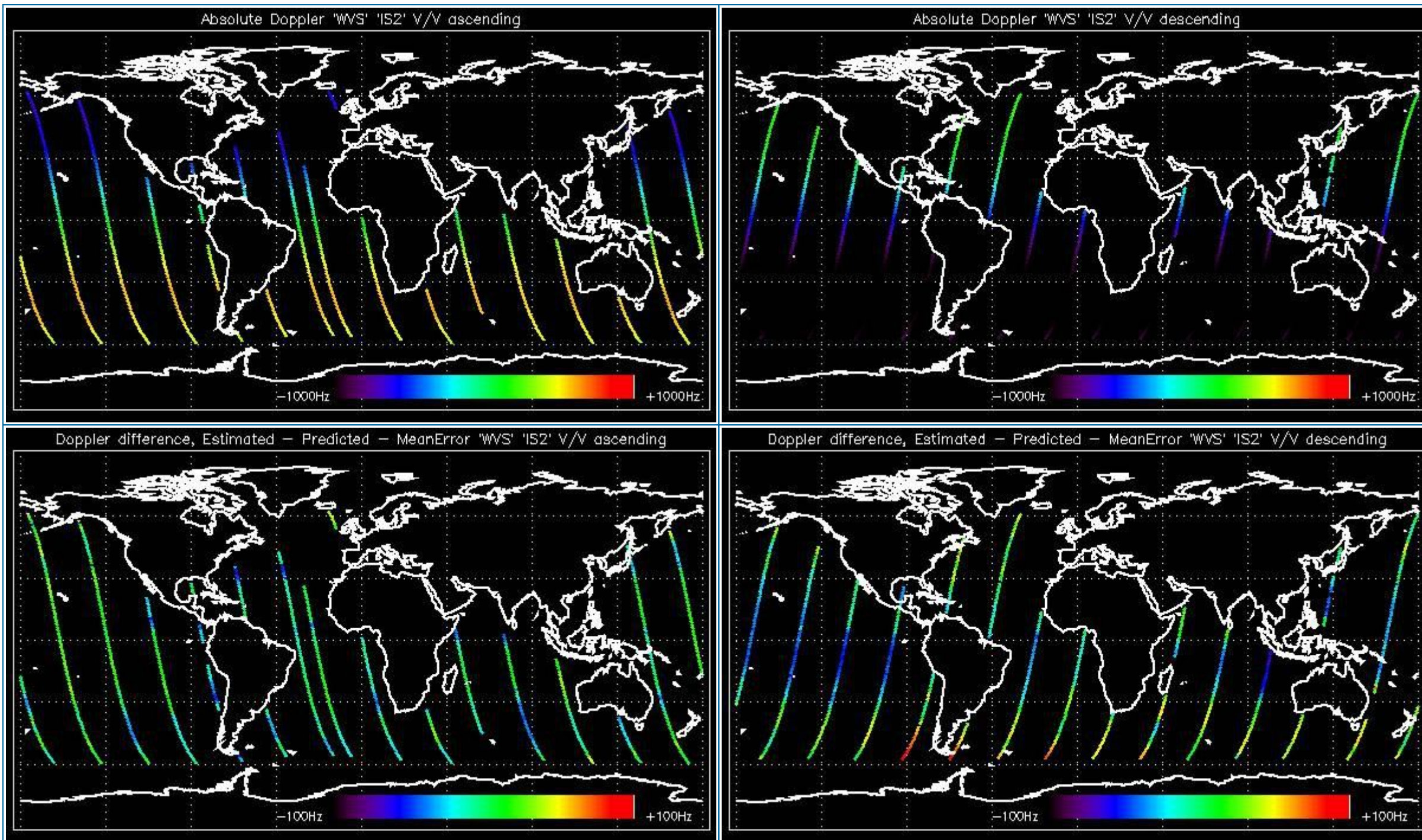
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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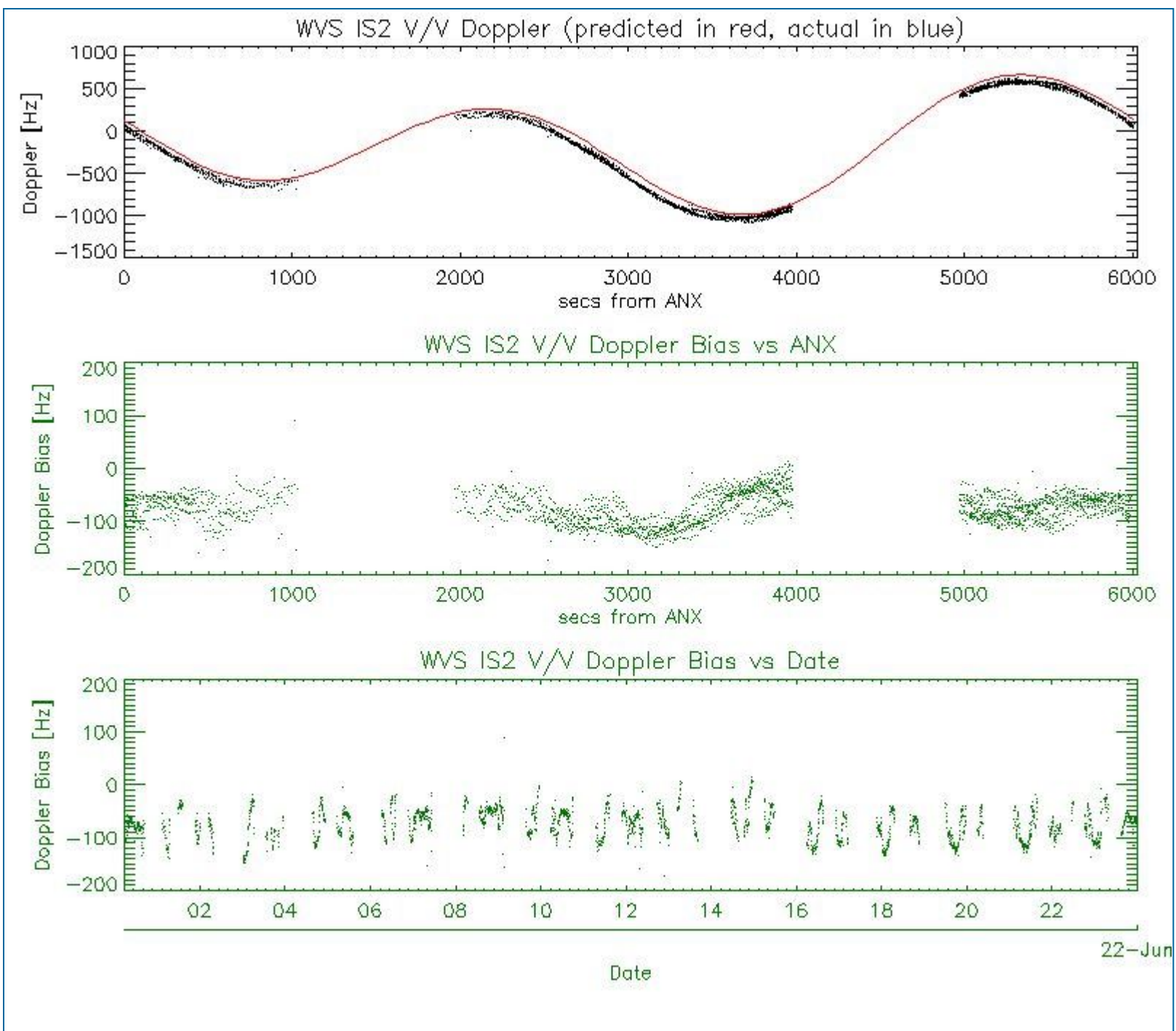




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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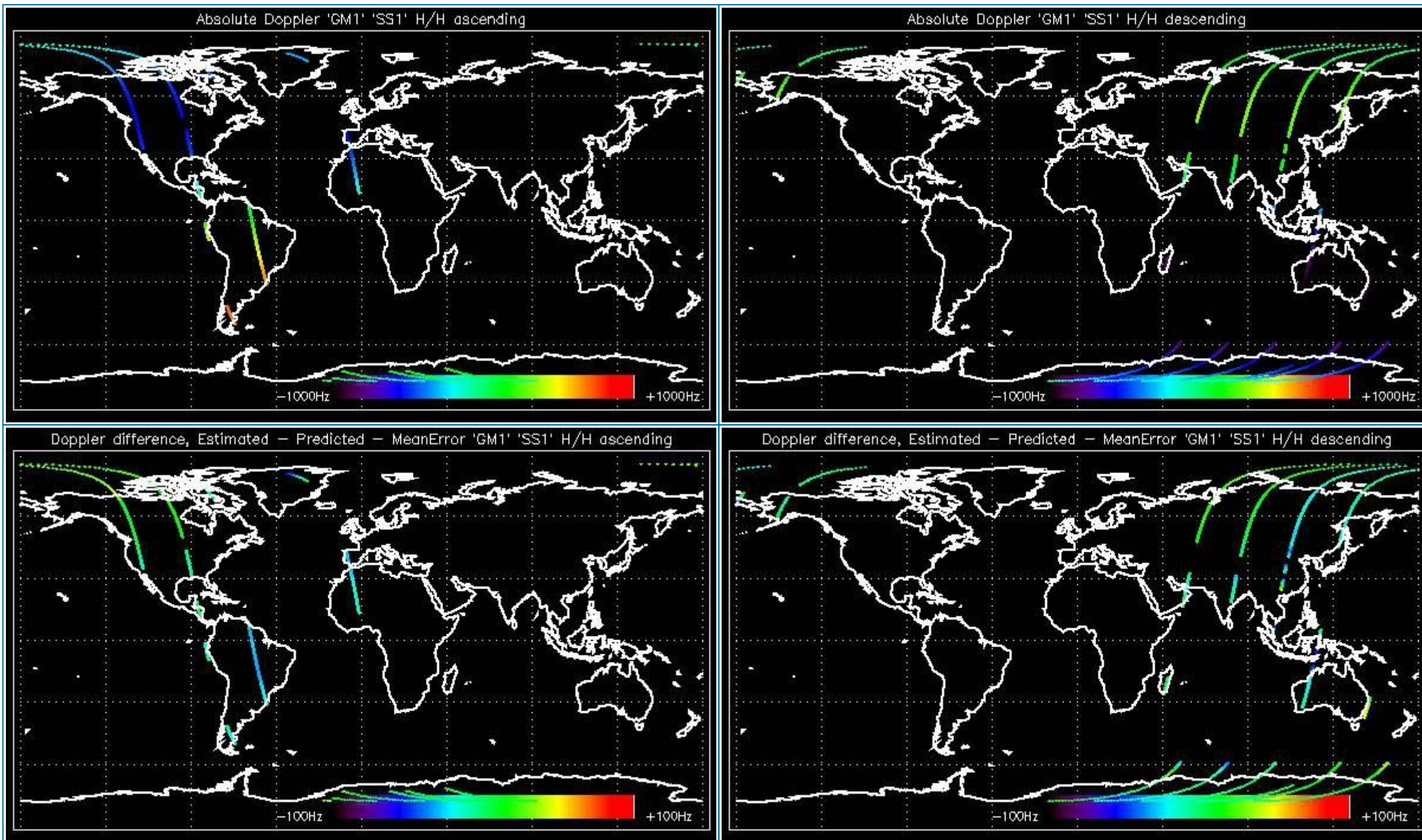


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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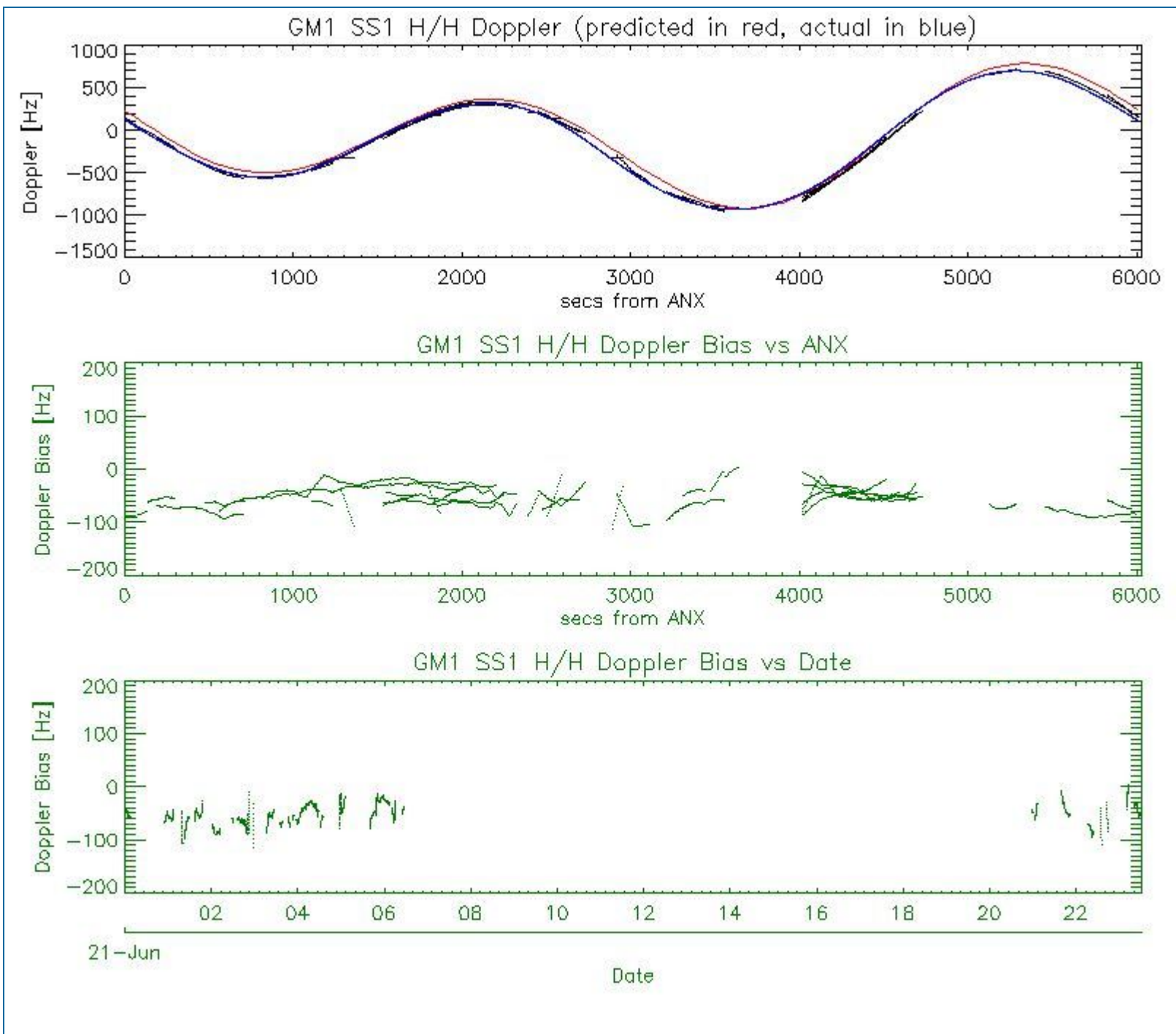




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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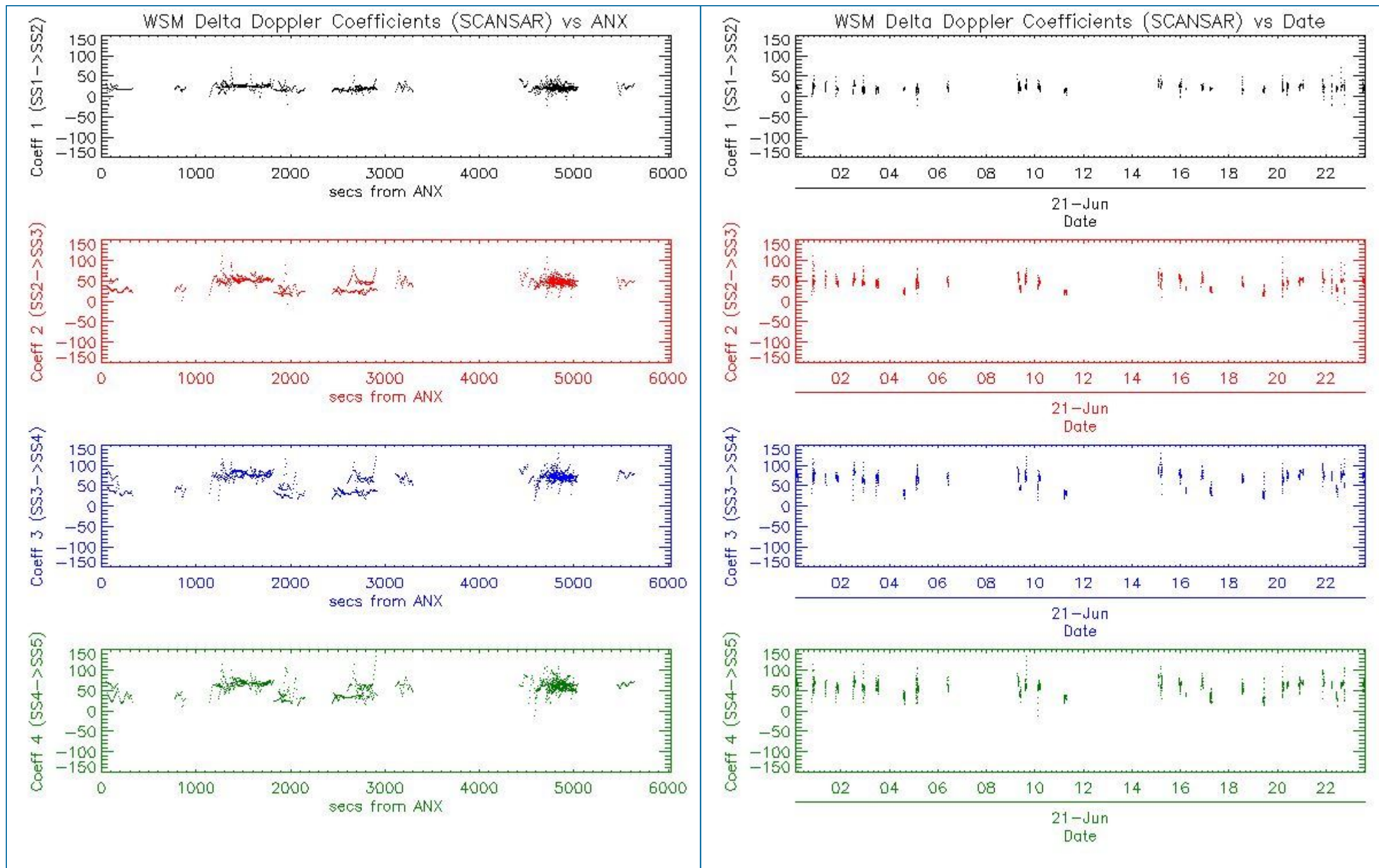




5.3 - Doppler JUMPS Analysis for WSM

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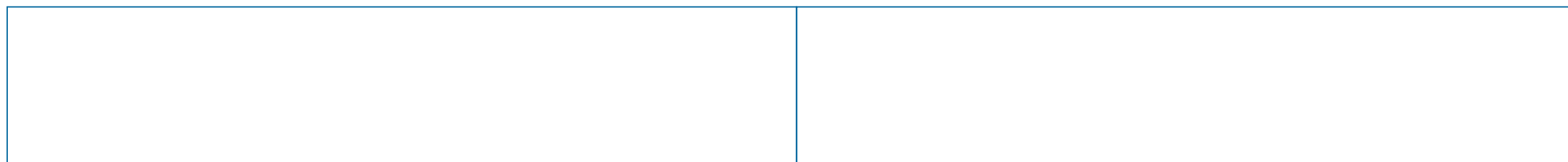


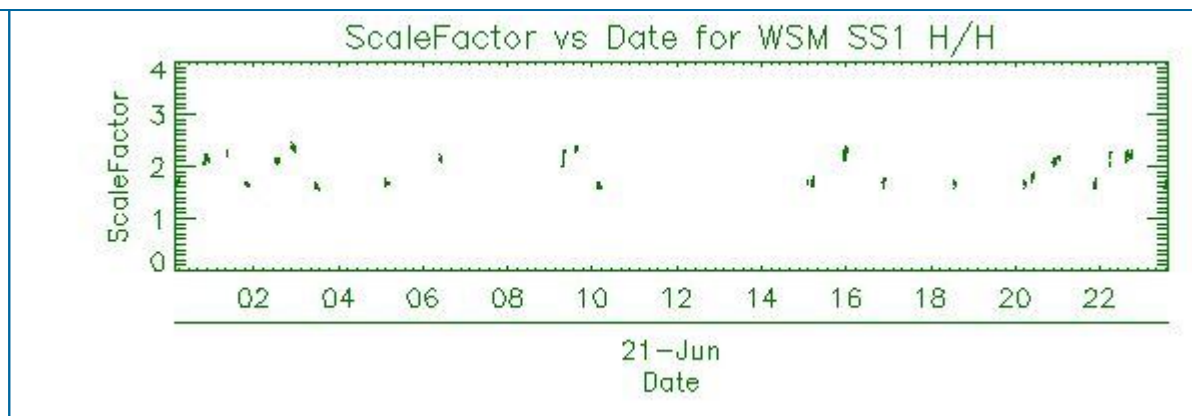
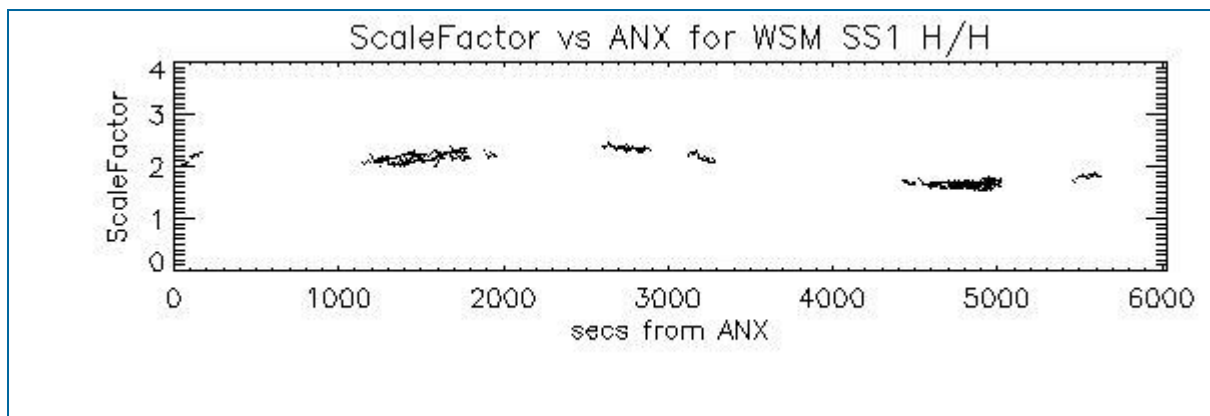
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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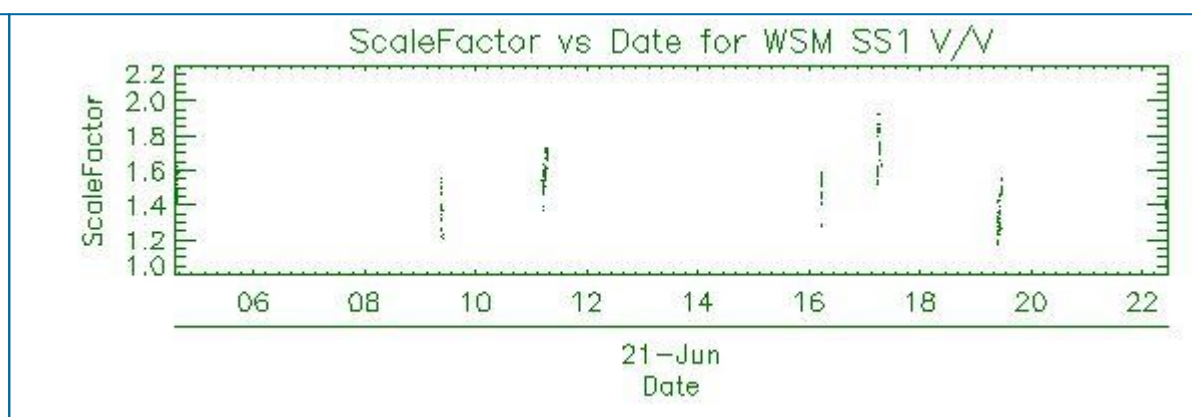
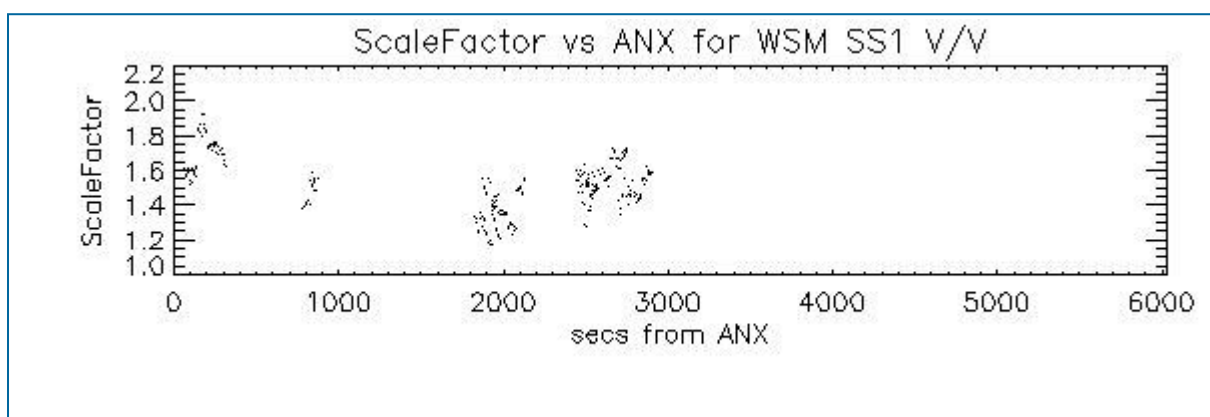




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

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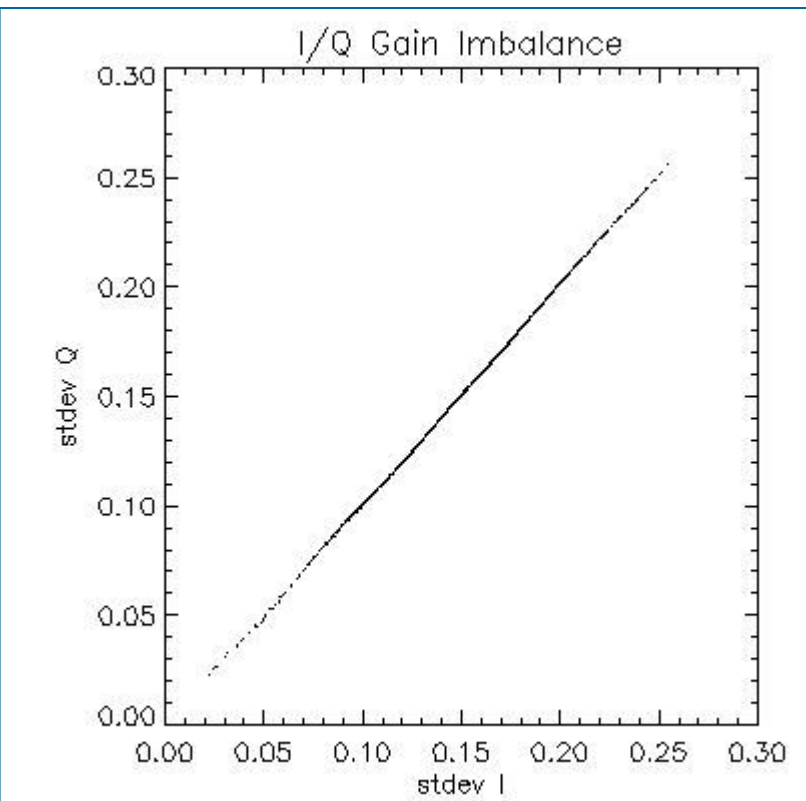
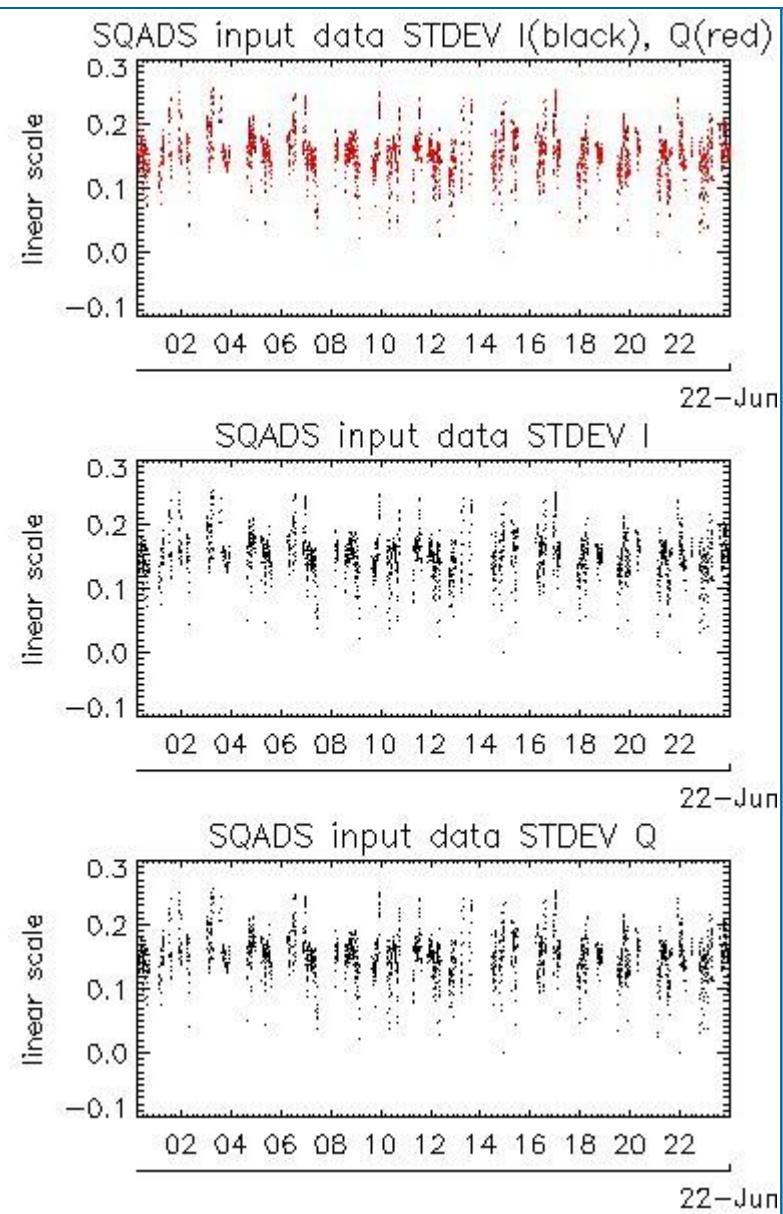
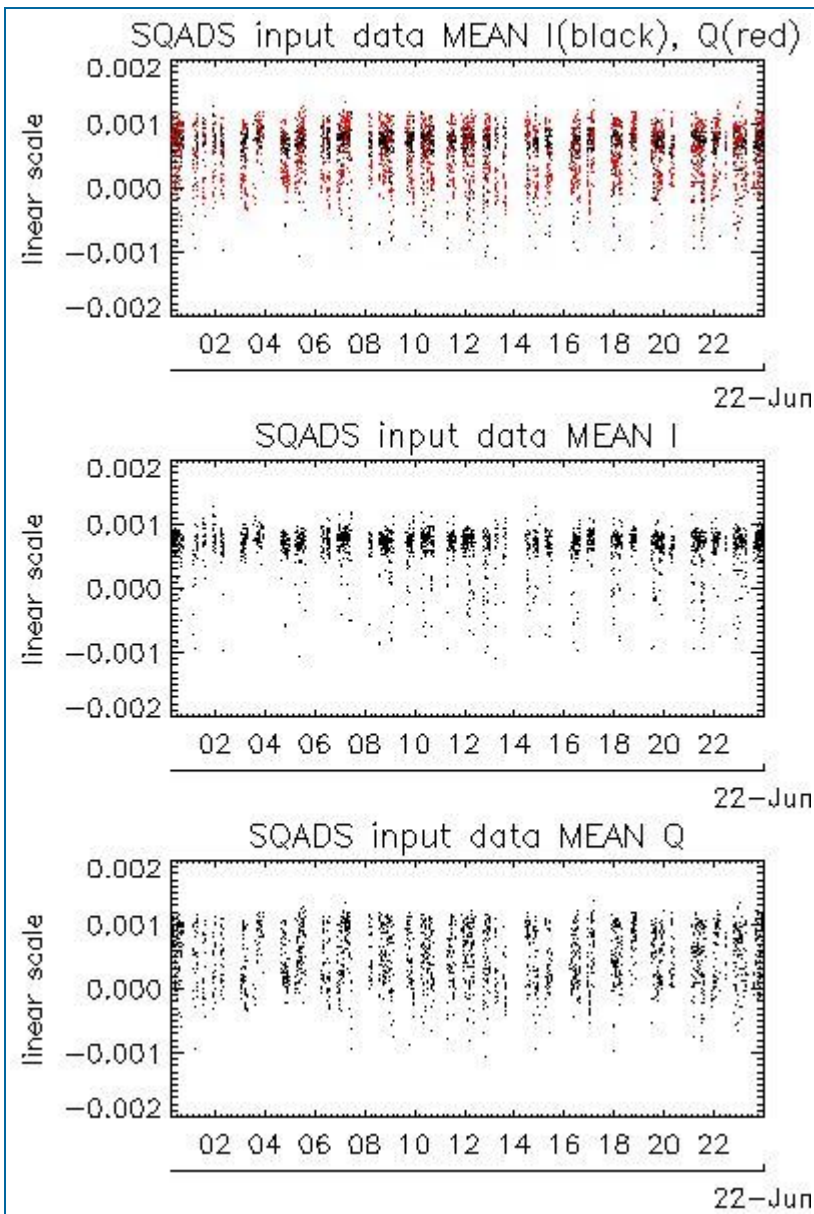


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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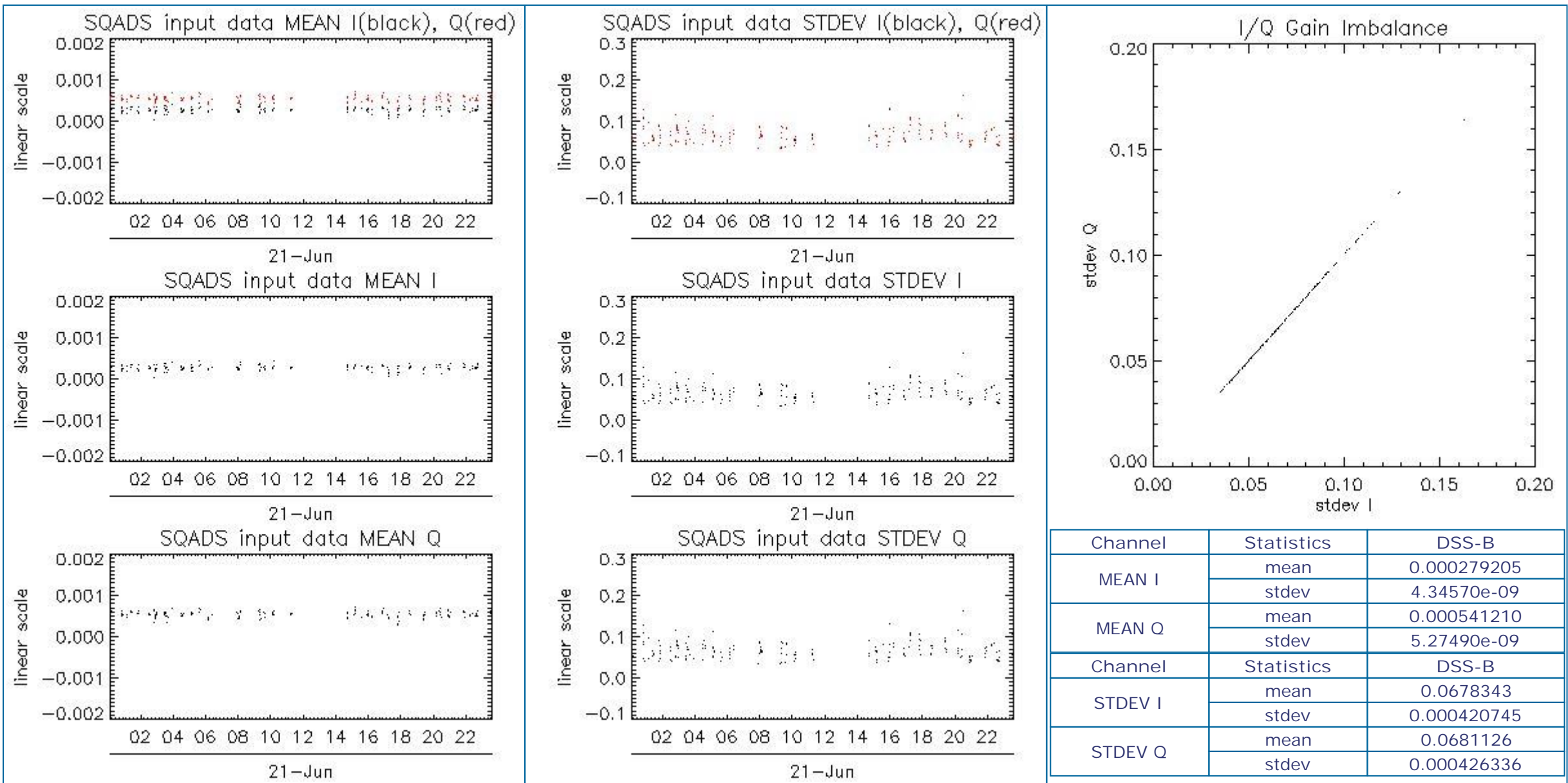


Channel	Statistics	DSS-B
MEAN I	mean	0.000631352
	stdev	1.15124e-07
MEAN Q	mean	0.000496366
	stdev	1.91559e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.150674
	stdev	0.00116249
STDEV Q	mean	0.151219
	stdev	0.00118523

7.2 - Analysis for IMM

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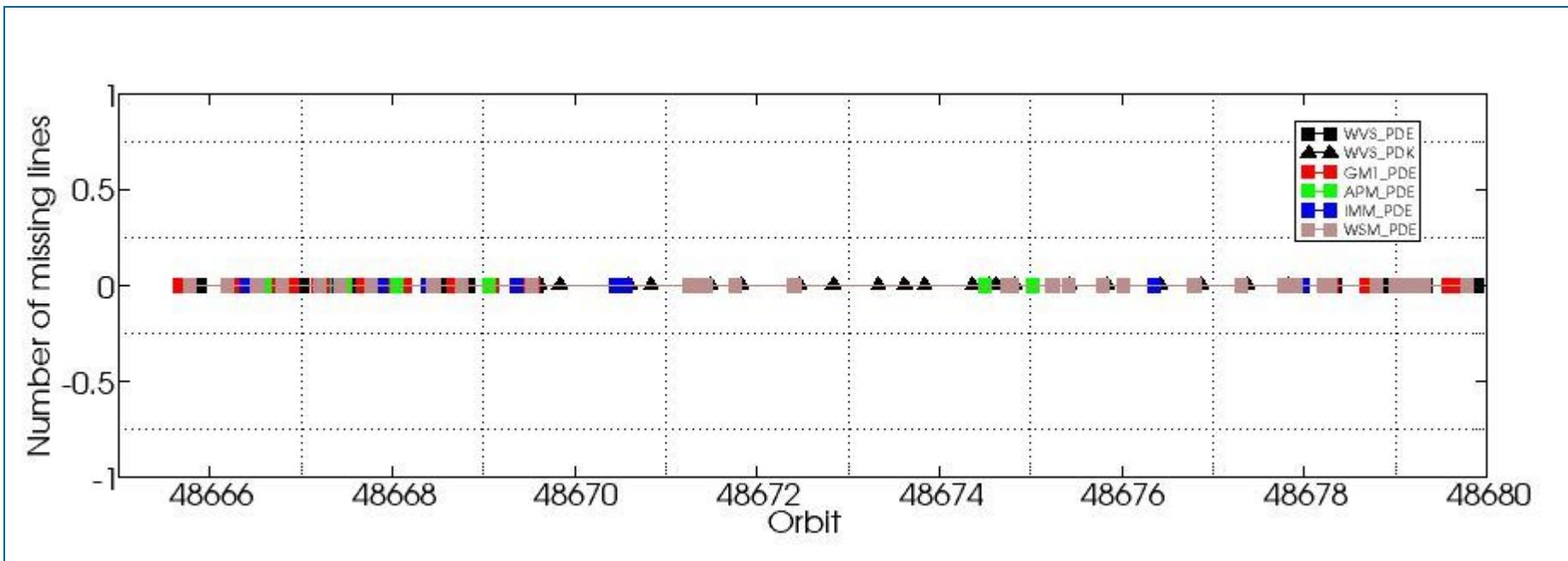


8 - TELEMETRY ANALYSIS

8.1 - Number of Missing lines

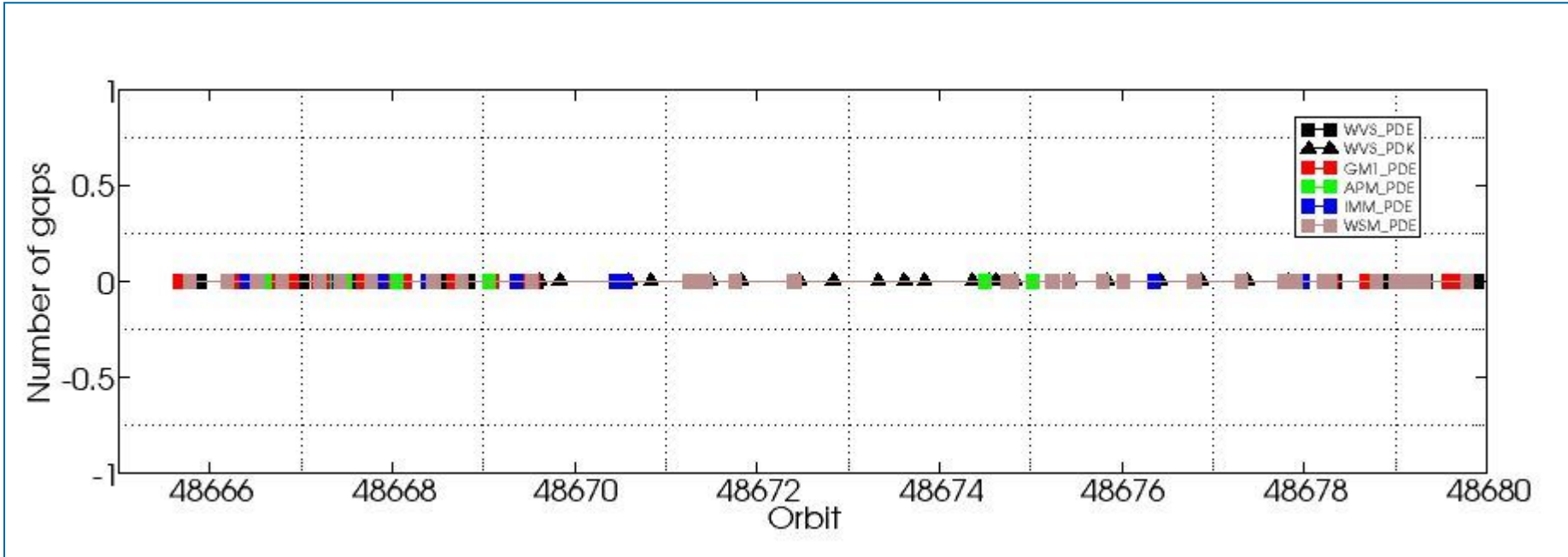
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8.2 - Number of Gaps

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ASAR DAILY REPORT for 110621
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-06-21 00:00:00

Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/

DATA SUMMARY

Summary will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_110621/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_110621/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/AUXILIARY

Creating directory ./RESULTS/DAILY/_110621/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20110621*current_3_IECF_ADFs.txt
 Found list 20110621_030001_current_3_IECF_ADFs.txt...
 Extracting ADFs...

ASA_CON_AXVIEC20110526_075001_20101027_215740_20141231_000000
 ASA_INS_AXVIEC20110124_114858_20101228_112000_20141231_235959
 ASA_XCH_AXVIEC20101222_143057_20020301_000000_20141231_000000
 ASA_XCA_AXVIEC20110526_075734_20101027_215740_20141231_000000

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/ASAR_ADFs_IECF_List3.html...
 Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Auxiliary_files_summary.html...

Analysing WVS products...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_WVS.xls...
 Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_WVS.txt...

ASA_WVS_1PNPDE20110621_001336_000003153103_00375_48665_1237.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_001806_000013943103_00375_48665_1259.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_010713_000001043103_00376_48666_1258.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_011105_000003943103_00376_48666_1261.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_012955_000003603103_00376_48666_1263.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_015337_000001353103_00376_48666_1264.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_015507_000003003103_00376_48666_1278.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_021216_000004343103_00377_48667_1281.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_030123_000005243103_00377_48667_1279.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_030953_000003753103_00377_48667_1305.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_033311_00000903103_00377_48667_1304.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_034024_000003593103_00377_48667_1303.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_034934_000001343103_00377_48667_1302.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_035616_000000743103_00378_48668_1311.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_043850_000007343103_00378_48668_1313.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_045049_000003453103_00378_48668_1326.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_051305_000013643103_00378_48668_1331.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_061603_000003893103_00379_48669_1329.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_062755_000002093103_00379_48669_1336.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_210616_000019493103_00388_48678_1477.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_210616_000019493103_00388_48678_1479.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_210616_000019493103_00388_48678_1481.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_215556_000002243103_00388_48678_1476.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_215856_000008243103_00388_48678_1494.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_222740_000001353103_00389_48679_1495.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_224539_000014543103_00389_48679_1501.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_231338_000003303103_00389_48679_1507.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_233642_000003453103_00389_48679_1504.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20110621_234142_000015593103_00389_48679_1533.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_063110_000003303103_00379_48669_2698.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_065319_000019943103_00379_48669_2700.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_081024_000003903103_00380_48670_2735.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_083333_000020693103_00380_48670_2740.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_093927_000010643103_00381_48671_2766.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_101351_000019043103_00381_48671_2768.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_111721_000011993103_00382_48672_2790.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_115401_000017843103_00382_48672_2792.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_124410_000010043103_00383_48673_2814.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_131243_000003003103_00383_48673_2816.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_133424_000003753103_00383_48673_2822.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_142744_000005993103_00384_48674_2837.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_144556_000004353103_00384_48674_2838.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_145326_000002703103_00384_48674_2841.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_151437_000008553103_00384_48674_2844.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_151437_000008553103_00384_48674_2845.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_161440_000014093103_00385_48675_2880.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_165512_000010343103_00385_48675_2882.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_175316_000014993103_00386_48676_2904.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

```
ASA_WVS_1PNPDK20110621_183914_000008393103_00386_48676_2907.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_192937_000017393103_00387_48677_2930.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20110621_201511_000004503103_00387_48677_2934.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing GM1 products...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_GM1.xls...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_GM1.txt...

```
ASA_GM1_1PNPDE20110621_005520_000007133103_00376_48666_1257.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_011820_000001993103_00376_48666_1256.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_012319_000003443103_00376_48666_1262.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_013644_000006773103_00376_48666_1265.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_020046_000006893103_00376_48666_1286.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_022829_000001203103_00377_48667_1285.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_023534_000007913103_00377_48667_1284.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_024947_000000663103_00377_48667_1283.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_025145_000000903103_00377_48667_1282.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_025807_000000663103_00377_48667_1280.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_031659_000005733103_00377_48667_1309.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_033526_000001633103_00377_48667_1308.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_034707_000001443103_00377_48667_1307.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_035228_000001633103_00378_48668_1306.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_035810_000002353103_00378_48668_1301.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_040345_0000015103103_00378_48668_1310.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_043129_000002233103_00378_48668_1314.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_045709_000005013103_00378_48668_1334.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_053945_000016493103_00379_48669_1332.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_061121_000002773103_00379_48669_1330.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_062533_000001383103_00379_48669_1337.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_205825_000001813103_00388_48678_1474.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_210302_000001933103_00388_48678_1475.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1478.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1480.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1482.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_221558_000005193103_00389_48679_1497.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_223411_000000783103_00389_48679_1498.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_224242_000000783103_00389_48679_1499.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_231038_000000843103_00389_48679_1500.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_231210_000000783103_00389_48679_1503.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20110621_231946_000006833103_00389_48679_1505.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing APM products...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_APM.xls...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_APM.txt...

```
ASA_APM_1PNPDE20110621_012906_000000403103_00376_48666_1255.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_024844_000000443103_00377_48667_1273.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_025918_000001193103_00377_48667_1276.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_035510_000000573103_00378_48668_1297.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_053629_000001753103_00379_48669_1323.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_075903_000003133103_00380_48670_1355.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_144144_000002083103_00384_48674_1457.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_153450_000000563103_00385_48675_1460.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20110621_202716_000000593103_00387_48677_1471.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing IMM products...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_IMM.xls...



Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_IMM.txt...

ASA_IMM_1PNPDE20110621_010936_00000823103_00376_48666_1254.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_025056_00000373103_00377_48667_1274.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_033810_000001283103_00377_48667_1298.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_042854_000001423103_00378_48668_1299.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_060712_000002403103_00379_48669_1324.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_075609_000000973103_00380_48670_1354.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_080701_000001143103_00380_48670_1356.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_174747_000003233103_00386_48676_1467.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20110621_203118_000000373103_00387_48677_1473.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

Analysing WSM products...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_WSM.xls...

Writing file ./RESULTS/DAILY/_110621/AUXILIARY/Check_ADFs_WSM.txt...

ASA_WSM_1PNPDE20110621_000749_000003493103_00375_48665_1227.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_004848_000003733103_00376_48666_1252.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_012142_000000923103_00376_48666_1253.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_014805_000003303103_00376_48666_1260.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_023037_000002943103_00377_48667_1277.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_025322_000002813103_00377_48667_1275.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_032639_000003923103_00377_48667_1296.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_043512_000002203103_00378_48668_1300.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_050535_000003923103_00378_48668_1322.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_062321_000001283103_00379_48669_1325.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_091714_000002143103_00381_48671_1377.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_092210_000001353103_00381_48671_1380.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_093538_000002323103_00381_48671_1383.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_100719_000003923103_00381_48671_1413.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_111145_000003363103_00382_48672_1412.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_150524_000000923103_00384_48674_1458.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_151105_000002143103_00384_48674_1459.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_155541_000003673103_00385_48675_1462.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_161250_000001103103_00385_48675_1463.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_165140_000002143103_00385_48675_1461.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_171305_000002693103_00386_48676_1464.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_183126_000002753103_00386_48676_1465.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_192241_000003303103_00387_48677_1469.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_201051_000002513103_00387_48677_1468.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_202319_000001843103_00387_48677_1470.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_205250_000003303103_00388_48678_1483.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_210127_000000923103_00388_48678_1489.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_215125_000002693103_00388_48678_1472.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_221328_000001353103_00389_48679_1492.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_222543_000001163103_00389_48679_1493.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_223535_000004223103_00389_48679_1502.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_224409_000000923103_00389_48679_1506.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20110621_233110_000003303103_00389_48679_1496.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

AUXILIARY FILES ANALYSIS completed
#####

MODULE STEPPING ANALYSIS
#####
Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_110621/MODULE_STEPPING...

```
Creating directory ./RESULTS/DAILY/_110621/MODULE_STEPPING/FIRST_REFERENCE...
Creating directory ./RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE...
Creating directory ./RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
Deleting old files...
```

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

```
Exporting results to the directory ../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE...
```

```
Polarization: H
Reference product: ASA_MS__0PNPDK20010209_135042_00000009A024_00180_11700_0052.N1
Test product: ASA_MS__0PNPDK20110621_063724_000000163103_00379_48669_0642.N1
  H
  H
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/TGH_20110621_063724-20010209_135042.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/TPH_20110621_063724-20010209_135042.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/RGH_20110621_063724-20010209_135042.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/RPH_20110621_063724-20010209_135042.png
```

```
Polarization: V
Reference product: ASA_MS__0PNPDK20010209_140823_00000009A024_00180_11700_0054.N1
Test product: ASA_MS__0PNPDK20110621_081738_000000163103_00380_48670_0643.N1
  V
  V
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/TGV_20110621_081738-20010209_140823.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/TPV_20110621_081738-20010209_140823.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/RGV_20110621_081738-20010209_140823.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/SECOND_REFERENCE/RPV_20110621_081738-20010209_140823.png
```

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

```
Exporting results to the directory ../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...
```

```
Polarization: H
Reference product: ASA_MS__0PNPDK20110620_071409_000000163103_00365_48655_0640.N1
Test product: ASA_MS__0PNPDK20110621_063724_000000163103_00379_48669_0642.N1
  H
  H
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20110621_063724-20110620_071409.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20110621_063724-20110620_071409.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20110621_063724-20110620_071409.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20110621_063724-20110620_071409.png
```

```
Polarization: V
Reference product: ASA_MS__0PNPDK20110620_085423_000000163103_00366_48656_0641.N1
Test product: ASA_MS__0PNPDK20110621_081738_000000163103_00380_48670_0643.N1
  V
  V
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20110621_081738-20110620_085423.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20110621_081738-20110620_085423.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20110621_081738-20110620_085423.png
../../RESULTS/DAILY/_110621/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20110621_081738-20110620_085423.png
```

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

```
CALIBRATION PULSES ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_110621/CALIBRATION_PULSES...
```


ALL ROWS Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59

Analysing products WVS IS2 V/V
Writing image ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...
Analysing products GM1 SS3 H/H
Writing image ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...

TEMPORAL EVOLUTION Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59

Analysing products WVS IS2 V/V
Getting calibration pulses data for WVS IS2 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-06-21_1.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-06-21_2.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-06-21_3.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...

Getting calibration pulses data for WVS IS2 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-06-21_4.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...
Writing ../../RESULTS/DAILY/_110621//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 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-06-21_1.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-06-21_2.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-06-21_3.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-06-21 00:00:00 to 2011-06-21 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_110621/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-06-21_4.dat...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_110621//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_110621/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DOPPLER/Doppler_data_WVS_IS2_VV_2011-06-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DOPPLER/Doppler_data_GM1_SS1_HH_2011-06-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-06-21 00:00:00 to 2011-06-21 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/DOPPLER/Doppler_Jumps_data_WSM_2011-06-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 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 = -78.459284 Hz
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

Loading predicted doppler values....
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -72.045834 Hz
Writing file ../../RESULTS/DAILY/_110621/DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_110621/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 = -47.221485 Hz

Writing file ../../RESULTS/DAILY/_110621//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...
Writing file ../../RESULTS/DAILY/_110621//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...

Loading predicted doppler values...
Phase: ascending
Found data...
Computing mean error doppler estimated-predicted...
Mean error = -57.893428 Hz
Writing file ../../RESULTS/DAILY/_110621//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_110621//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...

DOPPLER ANALYSIS completed
#####

CHIRP ANALYSIS

Creating directory ./RESULTS/DAILY/_110621/CHIRP...

CHIRP Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59

Analysing products WSM SS1 H/H

Getting ScaleFactor data for WSM SS1 H/H from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-06-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110621/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_110621/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...

Analysing products WSM SS1 V/V

Getting ScaleFactor data for WSM SS1 V/V from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-06-21.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_110621/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_110621/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...

CHIRP ANALYSIS completed
#####

RAW DATA ANALYSIS

Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/RAW_DATA

Creating directory ./RESULTS/DAILY/_110621/RAW_DATA...

Getting raw data for WVS from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/RAW_DATA/Raw_data_WVS_2011-06-21.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_WVS_input_stdev.png...

Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-06-21 00:00:00 to 2011-06-21 23:59:59...
Writing file ./RESULTS/DAILY/_110621/RAW_DATA/Raw_data_IMM_2011-06-21.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_110621/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed
#####

TELEMETRY ANALYSIS

Analysis will be performed from 2011-06-21 00:00:00 to 2011-06-21 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_110621/TELEMETRY

Creating directory ./RESULTS/DAILY/_110621/TELEMETRY...

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

Checking 29 products from PDE...
Checking 22 products from PDK...

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

Checking 33 products from PDE...
No products from PDK...

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

Checking 9 products from PDE...
No products from PDK...

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

Checking 9 products from PDE...
No products from PDK...

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

Checking 33 products from PDE...
No products from PDK...

Creating graph of missing lines and gaps...

Creating image: ./RESULTS/DAILY/_110621/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_110621/TELEMETRY/TELEMETRY_Gaps.png...

TELEMETRY ANALYSIS completed
#####

HTML REPORT generation
#####

Building file ./RESULTS/DAILY/_110621/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

#####



Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
ASA_APM_1PNPDE20110621_012906_000000403103_00376_48666_1255.N1				
ASA_APM_1PNPDE20110621_024844_000000443103_00377_48667_1273.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_025918_000001193103_00377_48667_1276.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_035510_000000573103_00378_48668_1297.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_053629_000001753103_00379_48669_1323.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_075903_000003133103_00380_48670_1355.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_144144_000002083103_00384_48674_1457.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_153450_000000563103_00385_48675_1460.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20110621_202716_000000593103_00387_48677_1471.N1	OK	OK	OK	OK

Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_GM1_1PNPDE20110621_005520_000007133103_00376_48666_1257.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_011820_000001993103_00376_48666_1256.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_012319_000003443103_00376_48666_1262.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_013644_000006773103_00376_48666_1265.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_020046_000006893103_00376_48666_1286.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_022829_000001203103_00377_48667_1285.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_023534_000007913103_00377_48667_1284.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_024947_000000663103_00377_48667_1283.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_025145_000000903103_00377_48667_1282.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_025807_000000663103_00377_48667_1280.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_031659_000005733103_00377_48667_1309.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_033526_000001633103_00377_48667_1308.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_034707_000001443103_00377_48667_1307.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_035228_000001633103_00378_48668_1306.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_035810_000002353103_00378_48668_1301.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_040345_000015103103_00378_48668_1310.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_043129_000002233103_00378_48668_1314.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_045709_000005013103_00378_48668_1334.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_053945_000016493103_00379_48669_1332.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_061121_000002773103_00379_48669_1330.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_062533_000001383103_00379_48669_1337.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_205825_000001813103_00388_48678_1474.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_210302_000001933103_00388_48678_1475.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1478.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1480.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_213932_000007133103_00388_48678_1482.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_221558_000005193103_00389_48679_1497.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_223411_000000783103_00389_48679_1498.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_224242_000000783103_00389_48679_1499.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_231038_000000843103_00389_48679_1500.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_231210_000000783103_00389_48679_1503.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20110621_231946_000006833103_00389_48679_1505.N1					OK	OK	OK	OK

Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA
ASA_IMM_1PNPDE20110621_010936_000000823103_00376_48666_1254.N1				
ASA_IMM_1PNPDE20110621_025056_000000373103_00377_48667_1274.N1				
ASA_IMM_1PNPDE20110621_033810_000001283103_00377_48667_1298.N1				
ASA_IMM_1PNPDE20110621_042854_000001423103_00378_48668_1299.N1				
ASA_IMM_1PNPDE20110621_060712_000002403103_00379_48669_1324.N1				
ASA_IMM_1PNPDE20110621_075609_000000973103_00380_48670_1354.N1				
ASA_IMM_1PNPDE20110621_080701_000001143103_00380_48670_1356.N1				
ASA_IMM_1PNPDE20110621_174747_000003233103_00386_48676_1467.N1				
ASA_IMM_1PNPDE20110621_203118_000000373103_00387_48677_1473.N1				

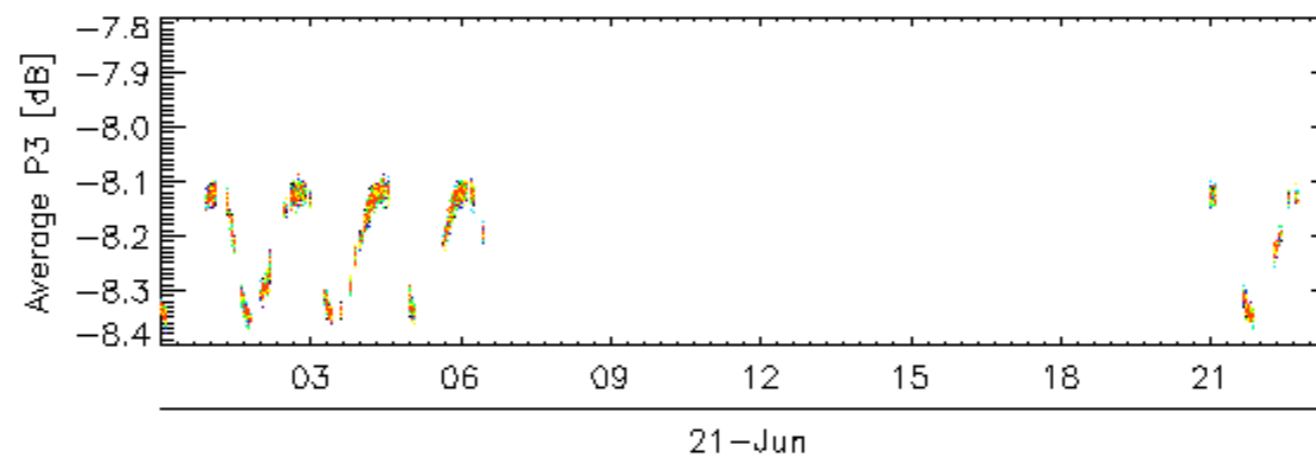
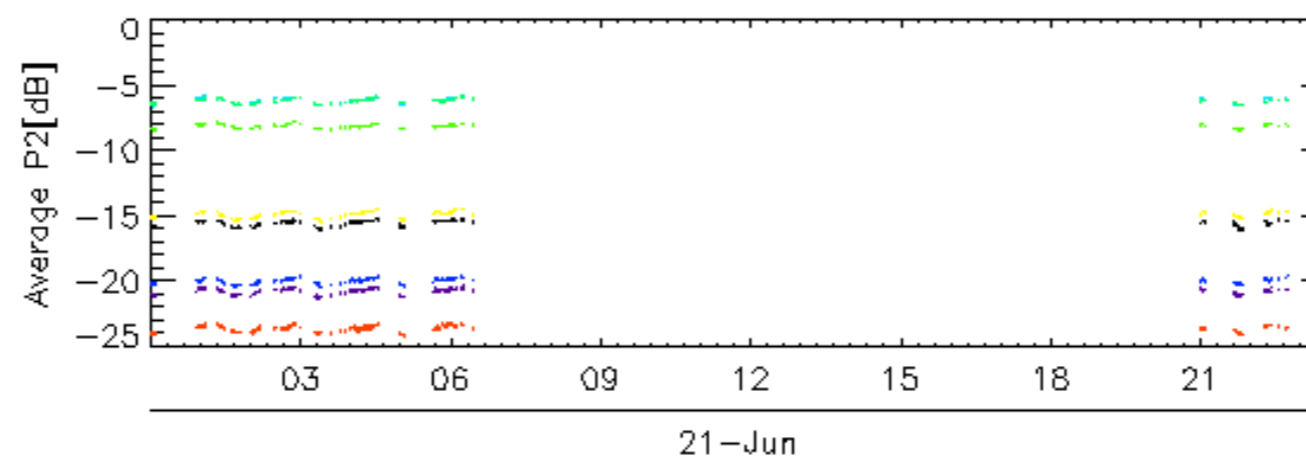
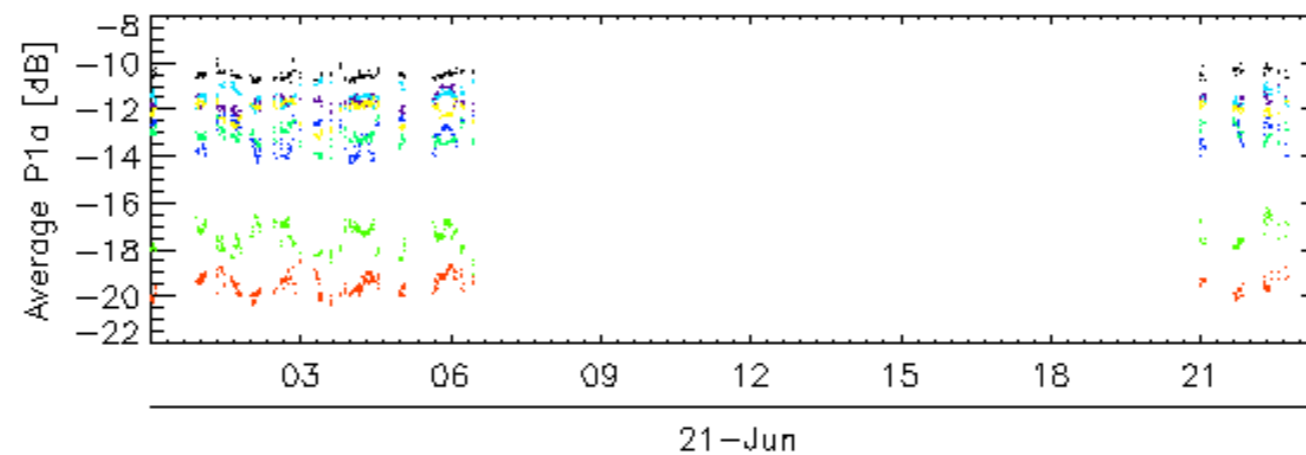
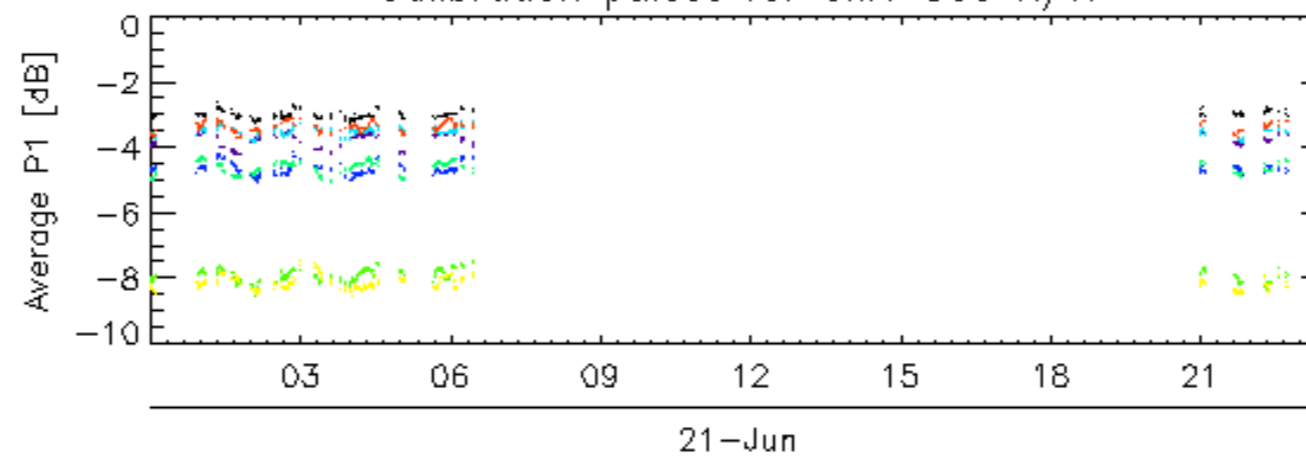
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20110621_000749_000003493103_00375_48665_1227.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_004848_000003733103_00376_48666_1252.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_012142_000000923103_00376_48666_1253.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_014805_000003303103_00376_48666_1260.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_023037_000002943103_00377_48667_1277.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_025322_000002813103_00377_48667_1275.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_032639_000003923103_00377_48667_1296.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_043512_000002203103_00378_48668_1300.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_050535_000003923103_00378_48668_1322.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_062321_000001283103_00379_48669_1325.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_091714_000002143103_00381_48671_1377.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_092210_000001353103_00381_48671_1380.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_093538_000002323103_00381_48671_1383.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_100719_000003923103_00381_48671_1413.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_111145_000003363103_00382_48672_1412.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_150524_000000923103_00384_48674_1458.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_151105_000002143103_00384_48674_1459.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_155541_000003673103_00385_48675_1462.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_161250_000001103103_00385_48675_1463.N1					OK	OK	OK	OK
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ASA_WSM_1PNPDE20110621_201051_000002513103_00387_48677_1468.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20110621_202319_000001843103_00387_48677_1470.N1					OK	OK	OK	OK
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ASA_WSM_1PNPDE20110621_224409_000000923103_00389_48679_1506.N1					OK	OK	OK	OK
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Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

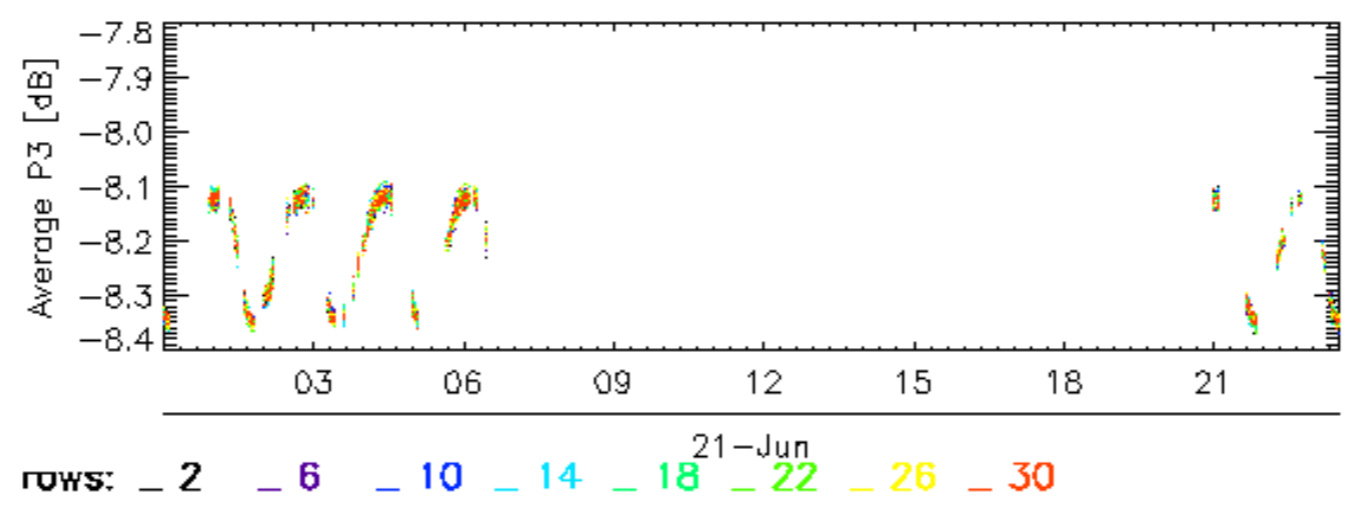
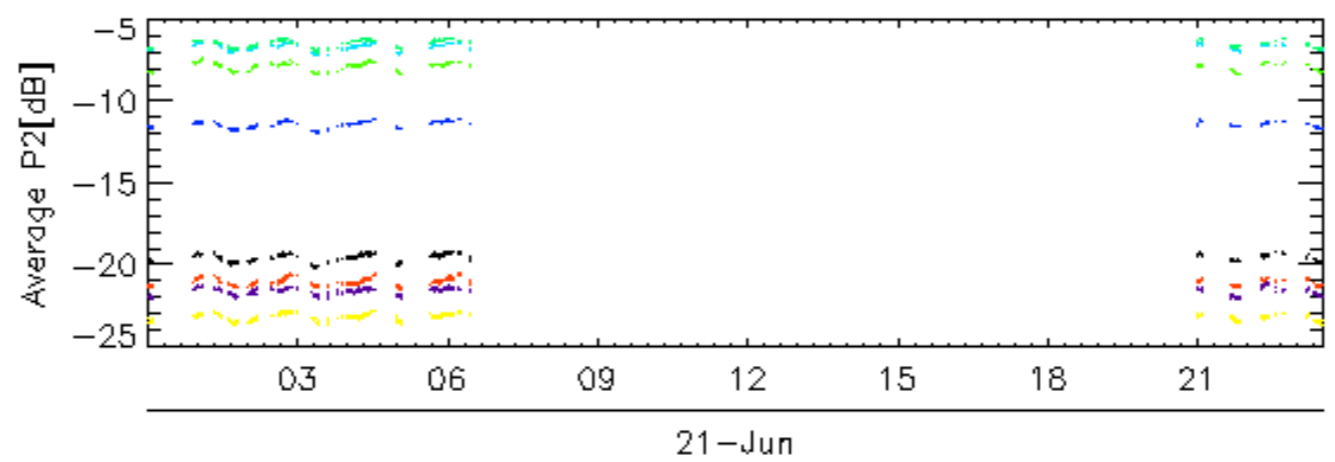
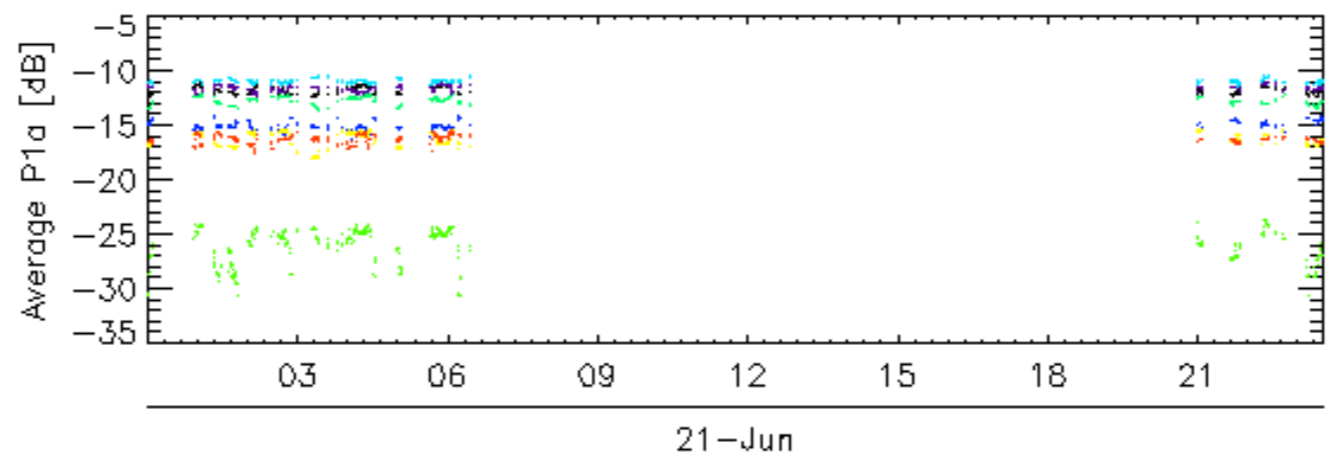
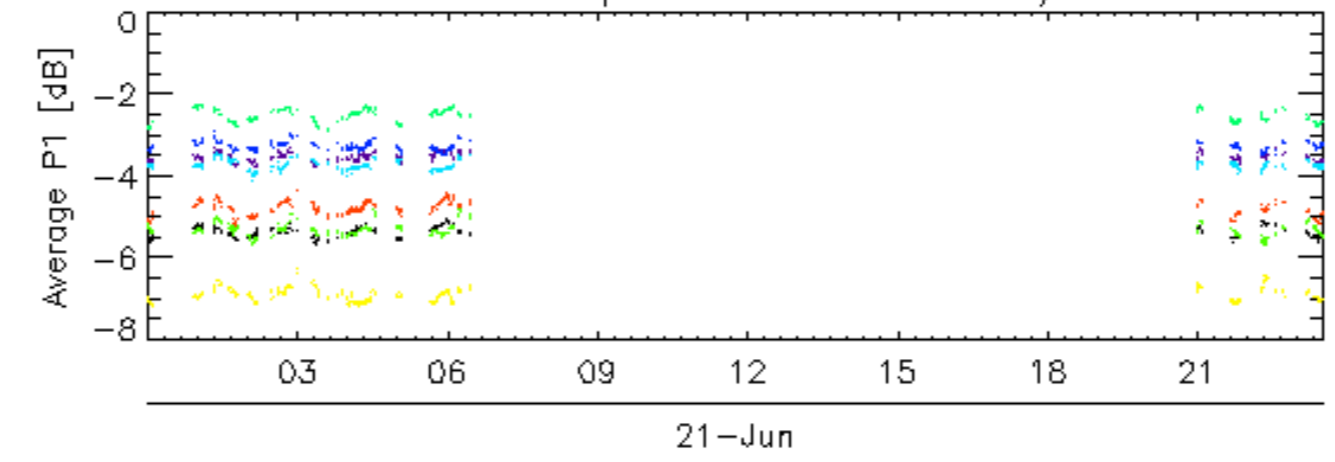
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ASA_WVS_1PNPDE20110621_021216_000004343103_00377_48667_1281.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110621_175316_000014993103_00386_48676_2904.N1					OK	OK	OK	OK
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ASA_WVS_1PNPDK20110621_192937_000017393103_00387_48677_2930.N1					OK	OK	OK	OK
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Calibration pulses for GM1 SS3 H/H

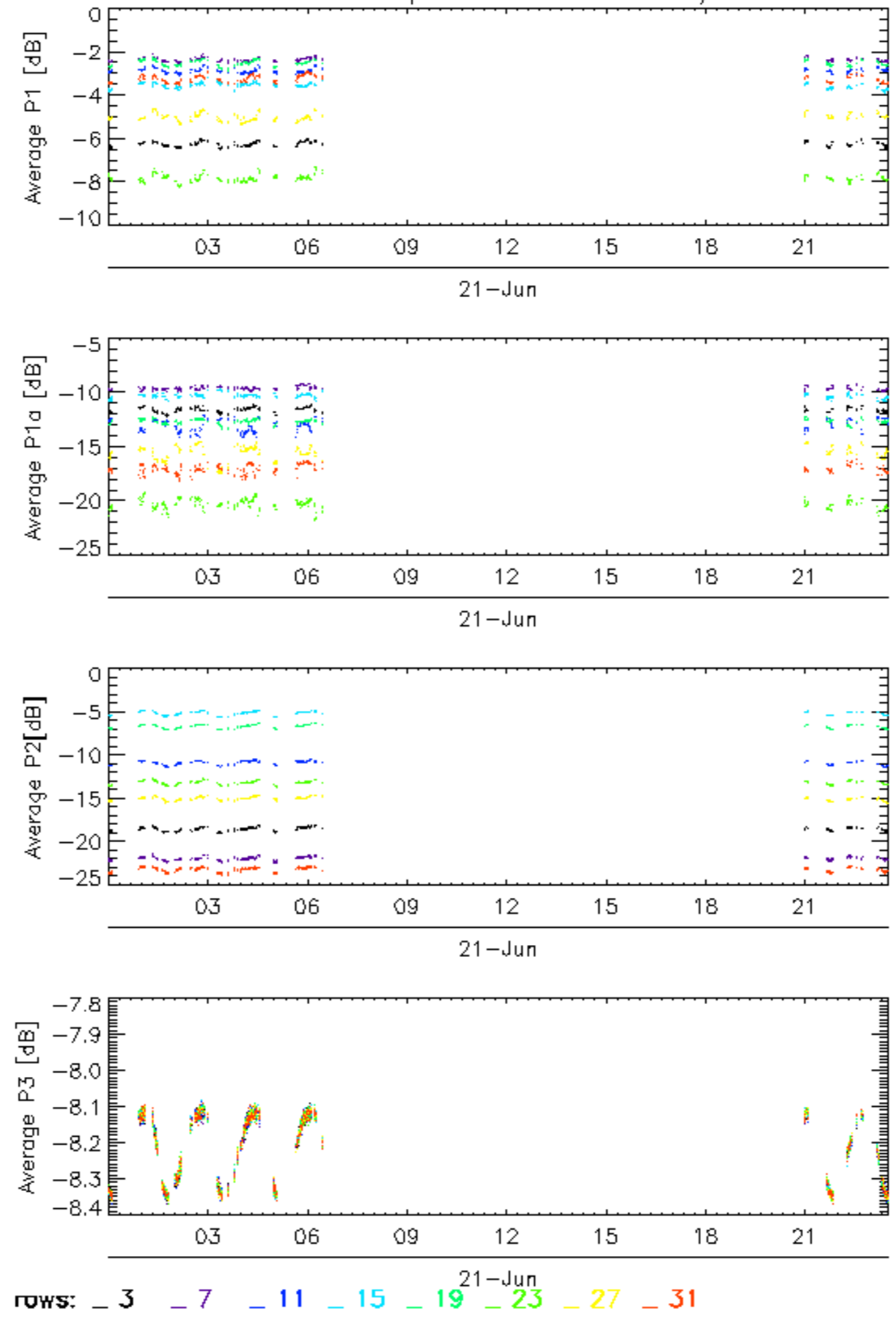


rows: **1** **5** **9** **13** **17** **21** **25** **29**

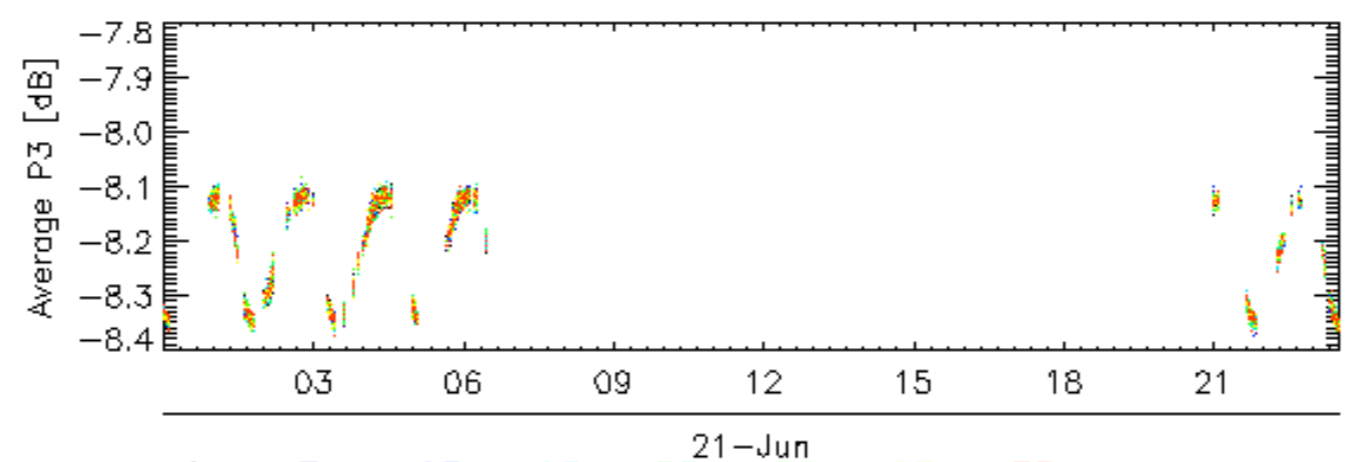
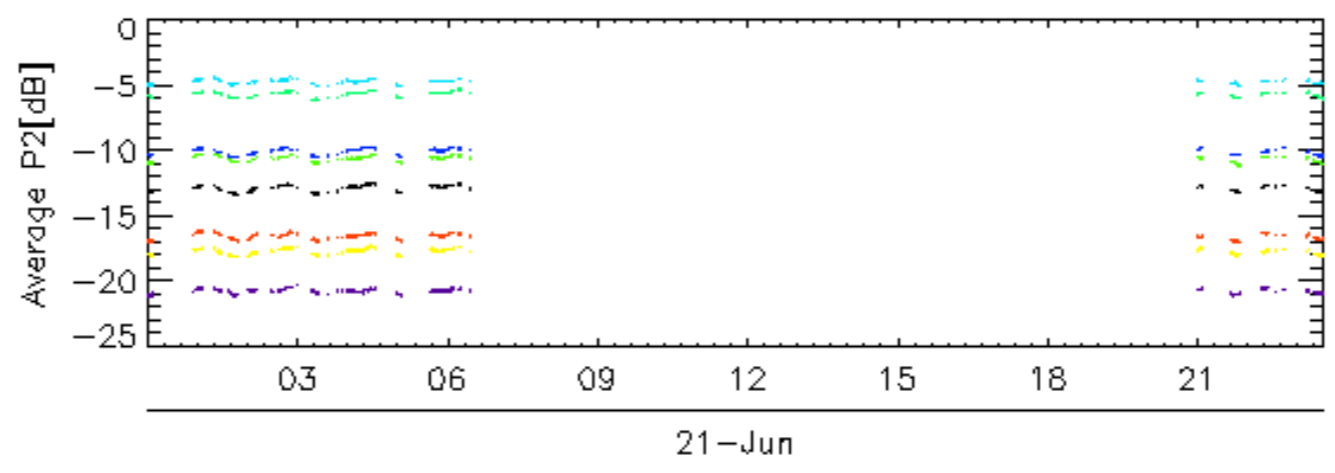
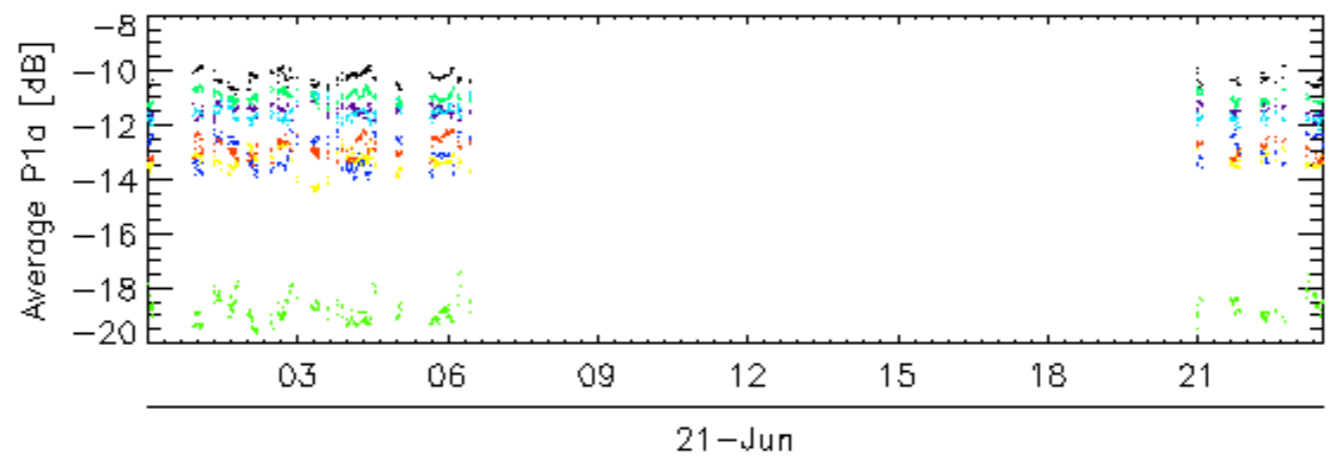
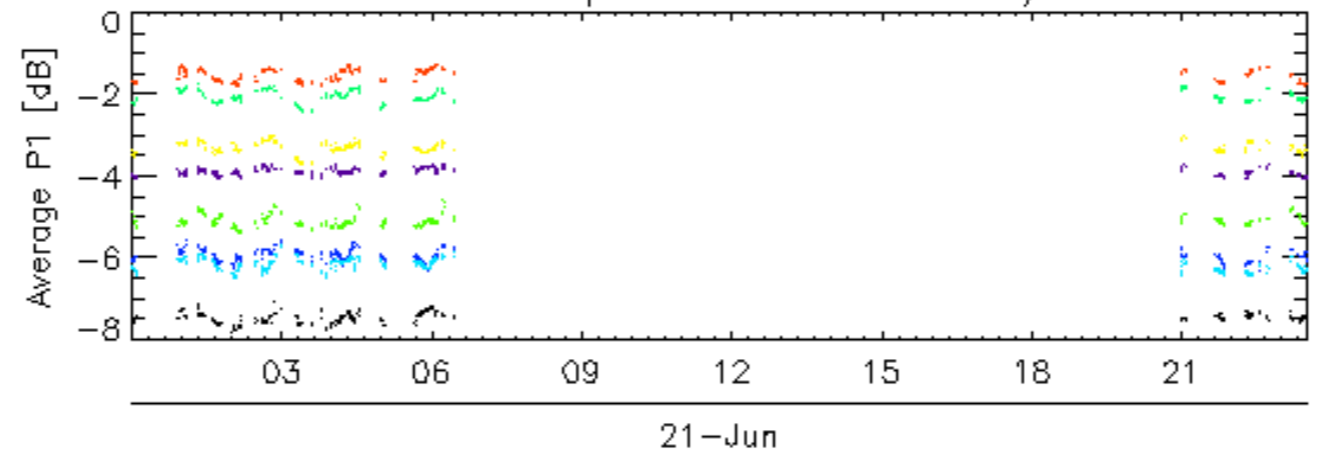
Calibration pulses for GM1 SS3 H/H



Calibration pulses for GM1 SS3 H/H

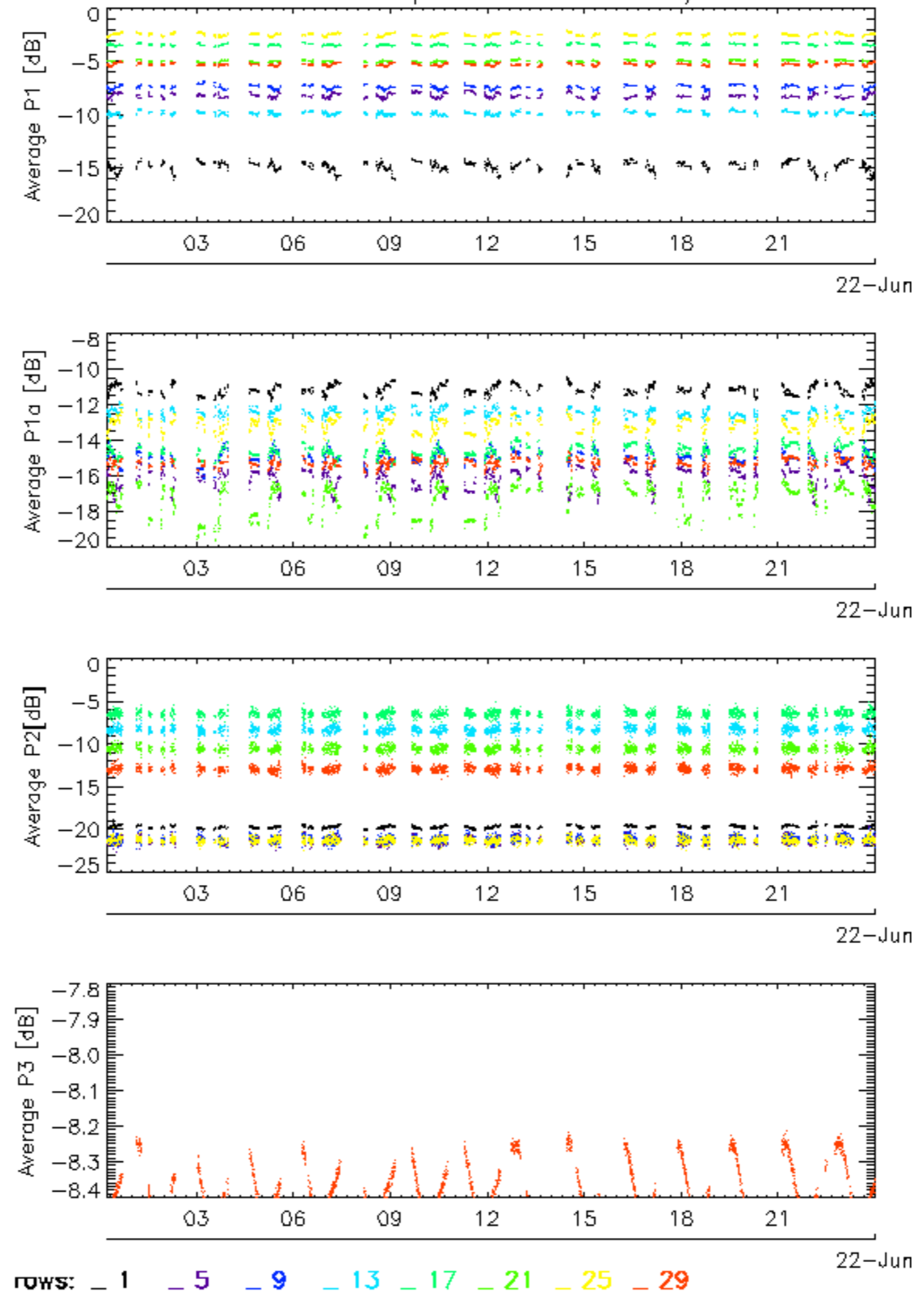


Calibration pulses for GM1 SS3 H/H

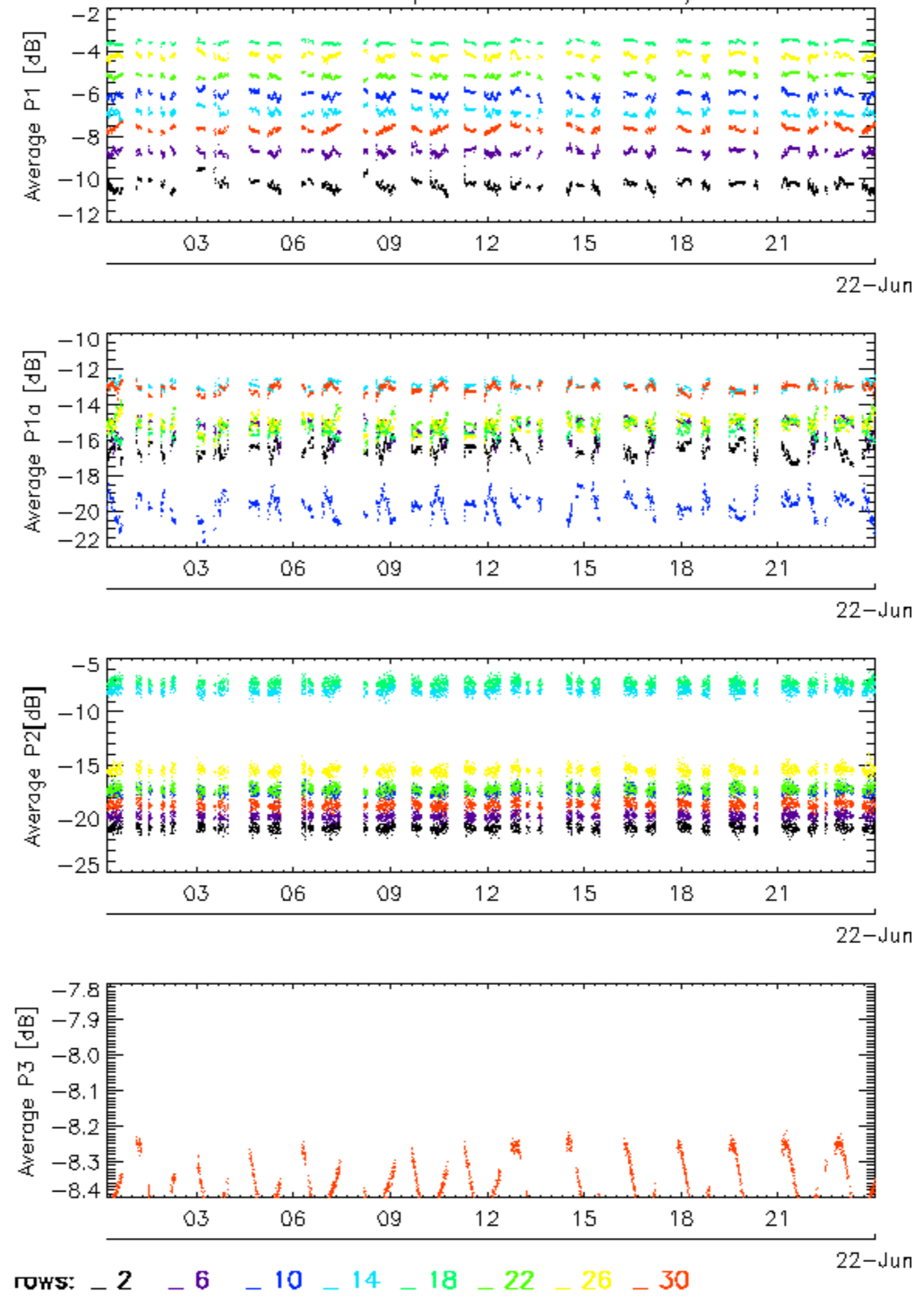


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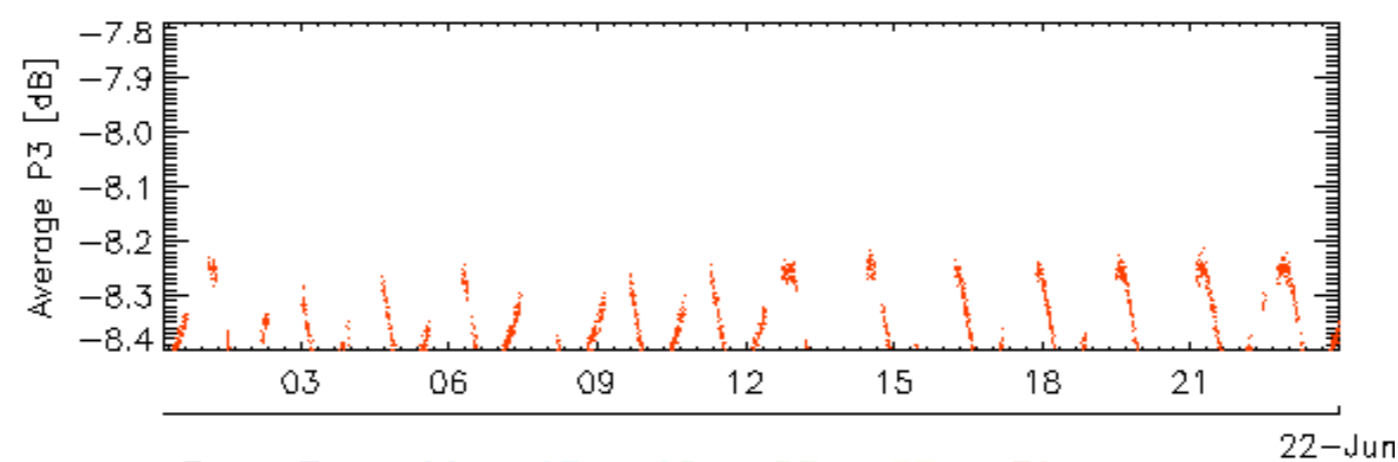
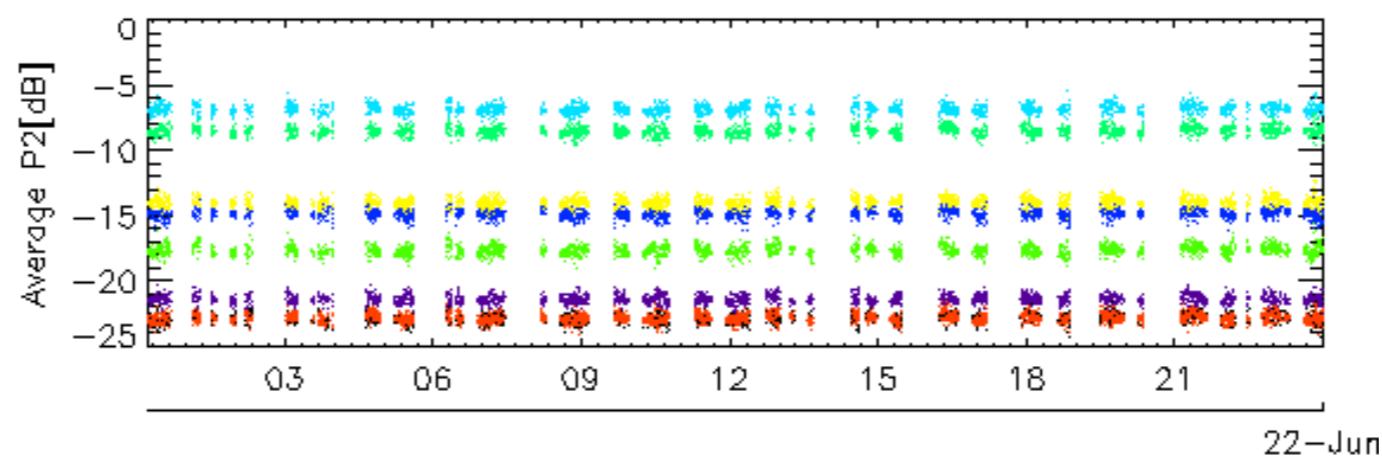
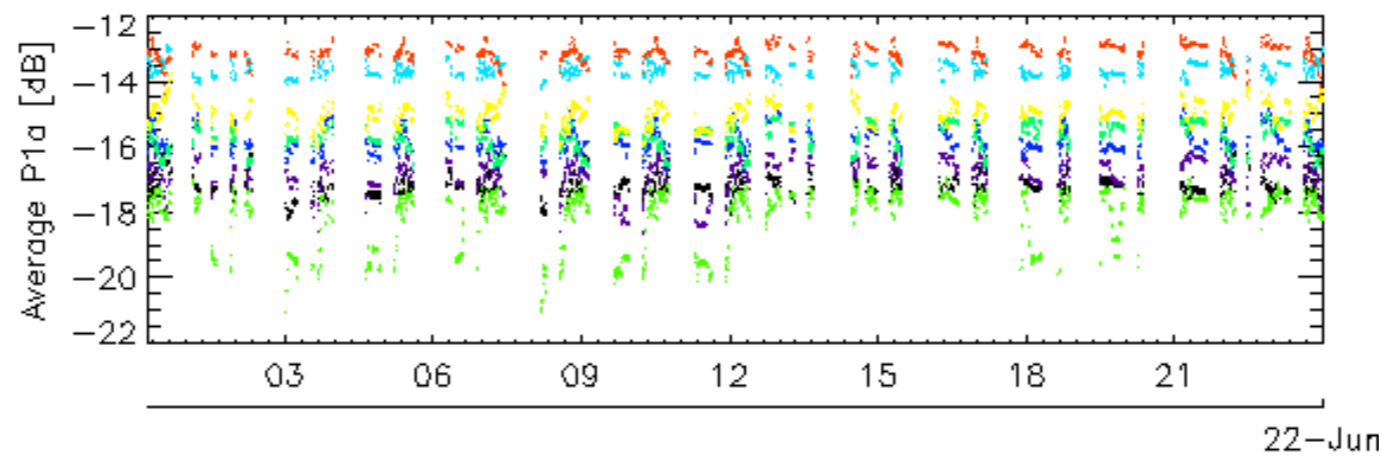
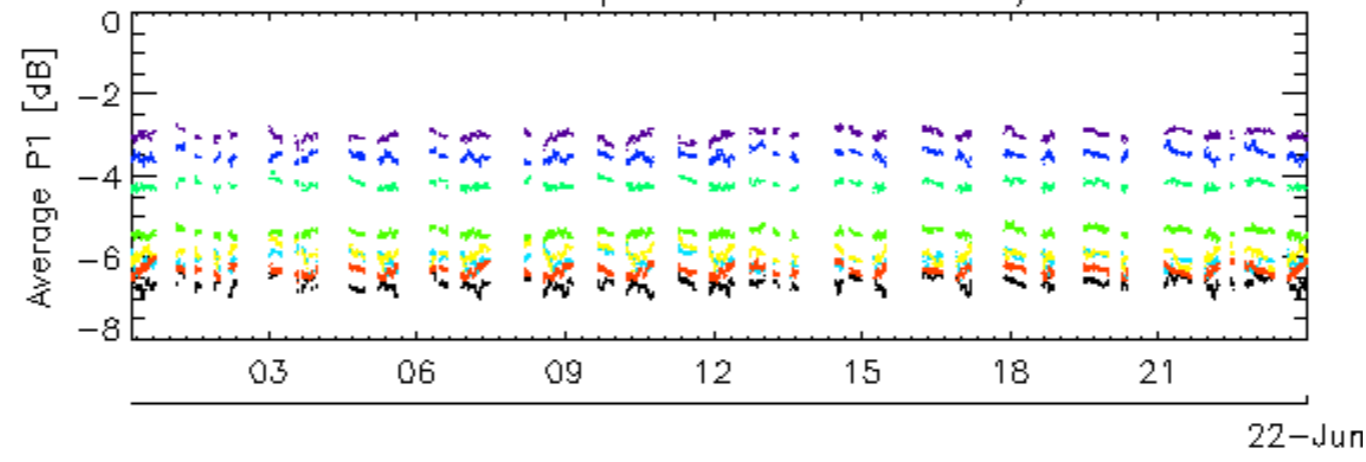
Calibration pulses for WVS IS2 V/V



Calibration pulses for WVS IS2 V/V

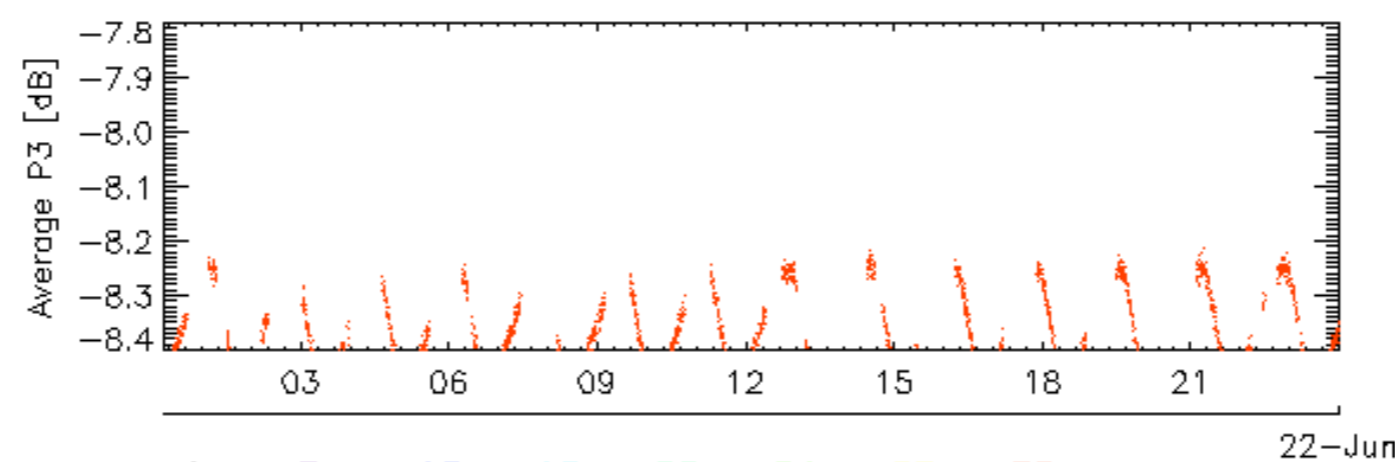
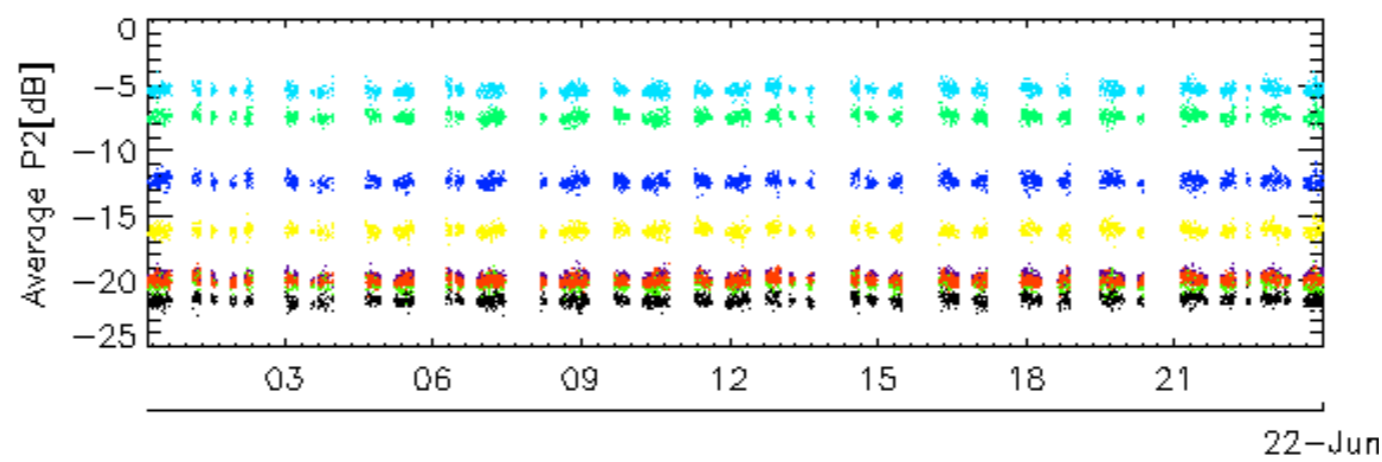
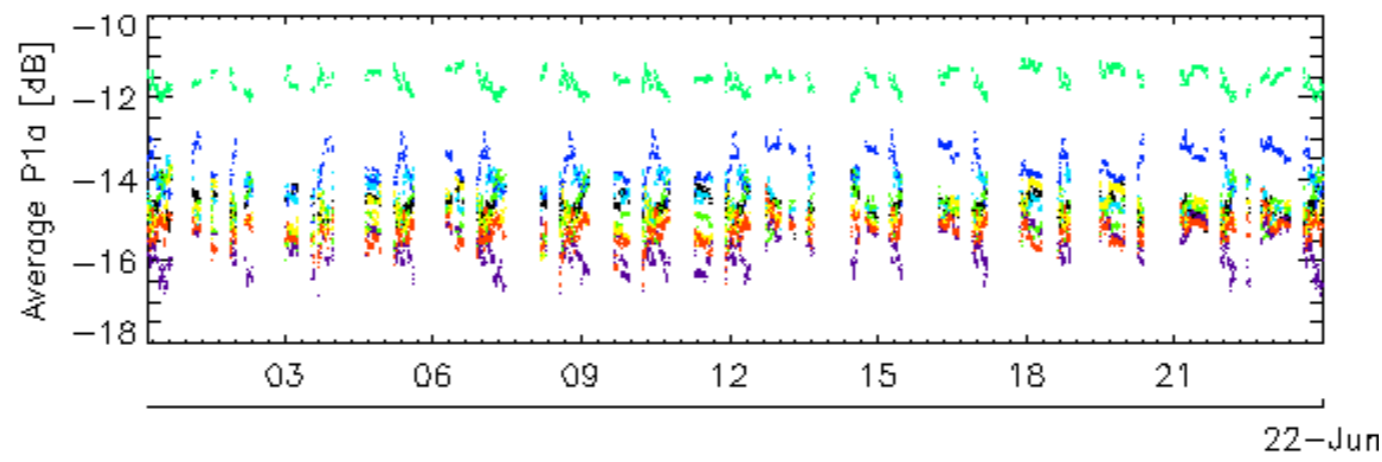
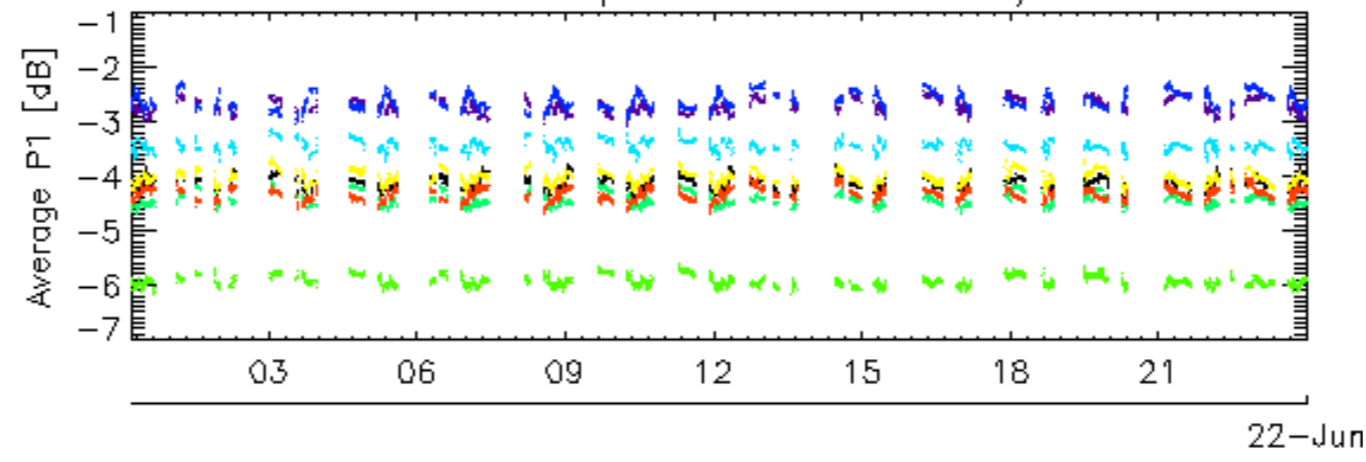


Calibration pulses for WVS IS2 V/V

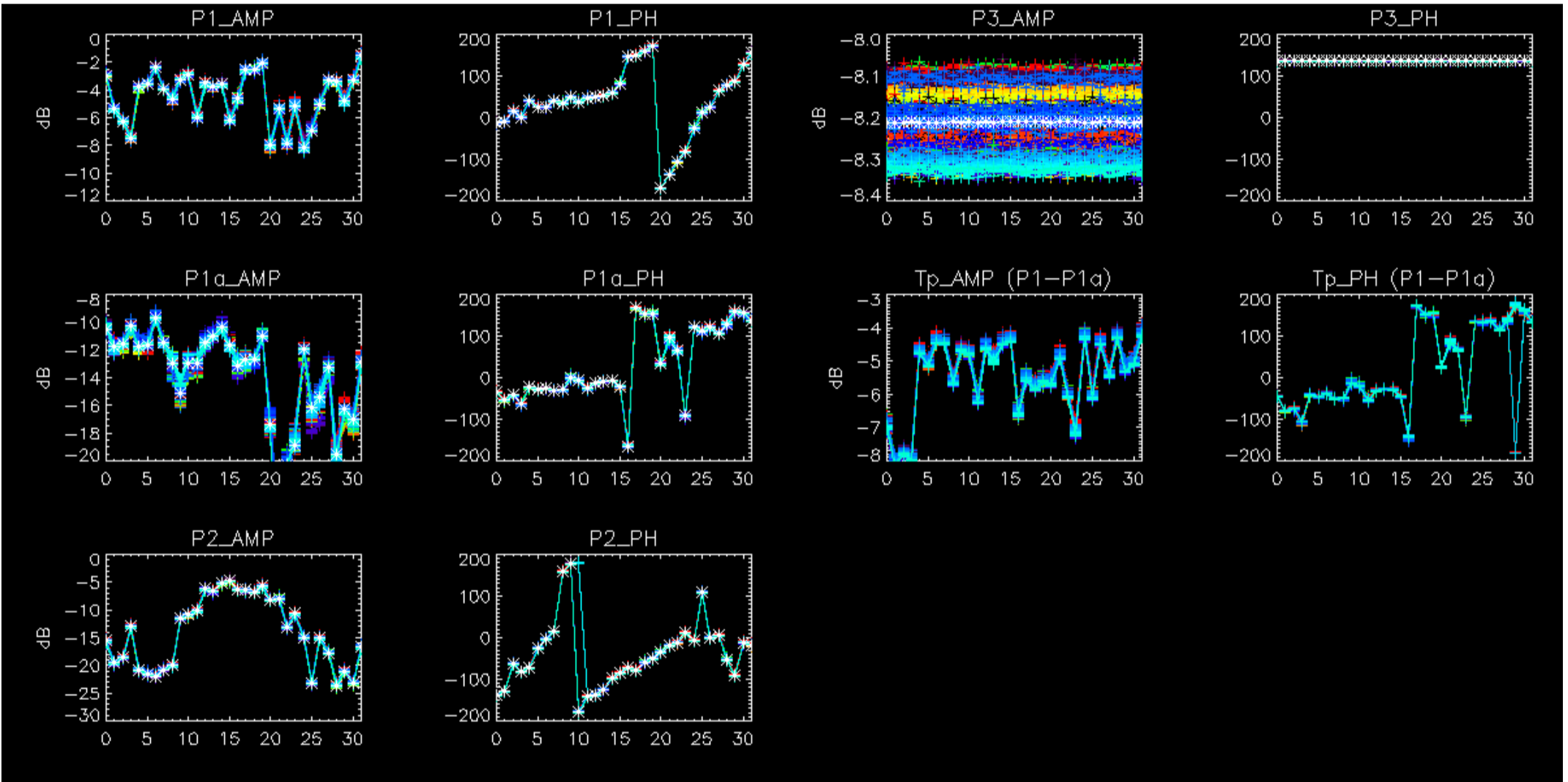


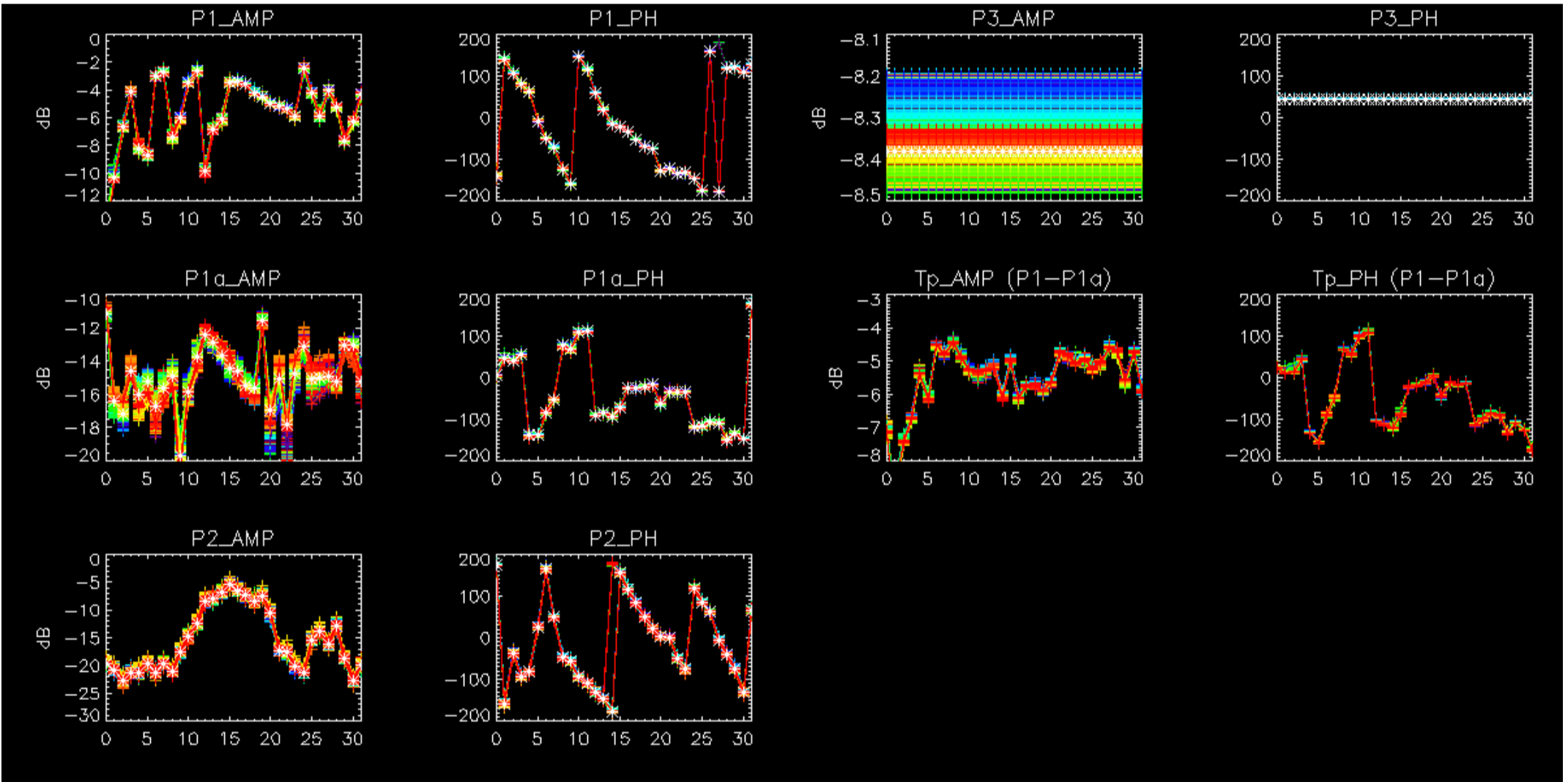
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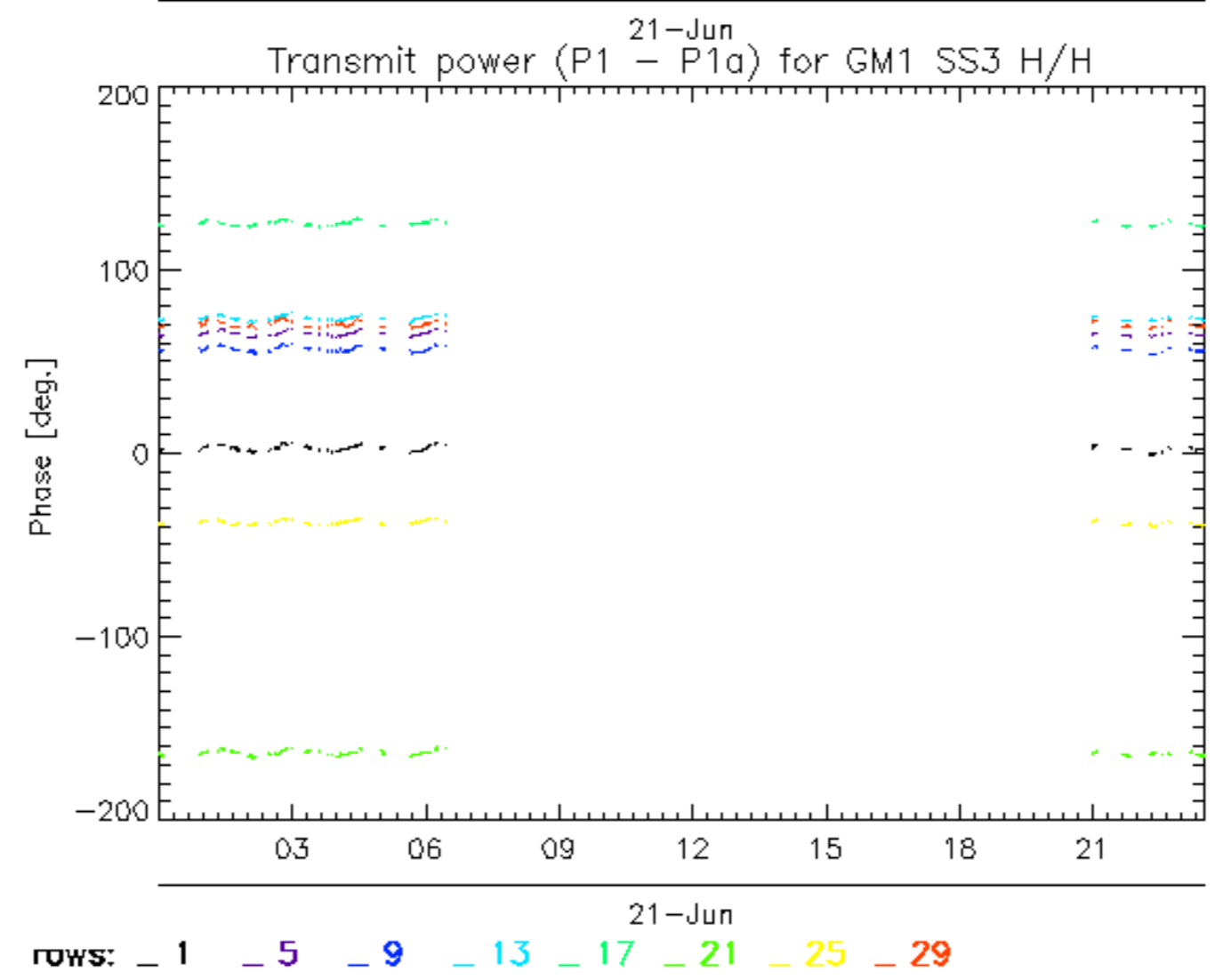
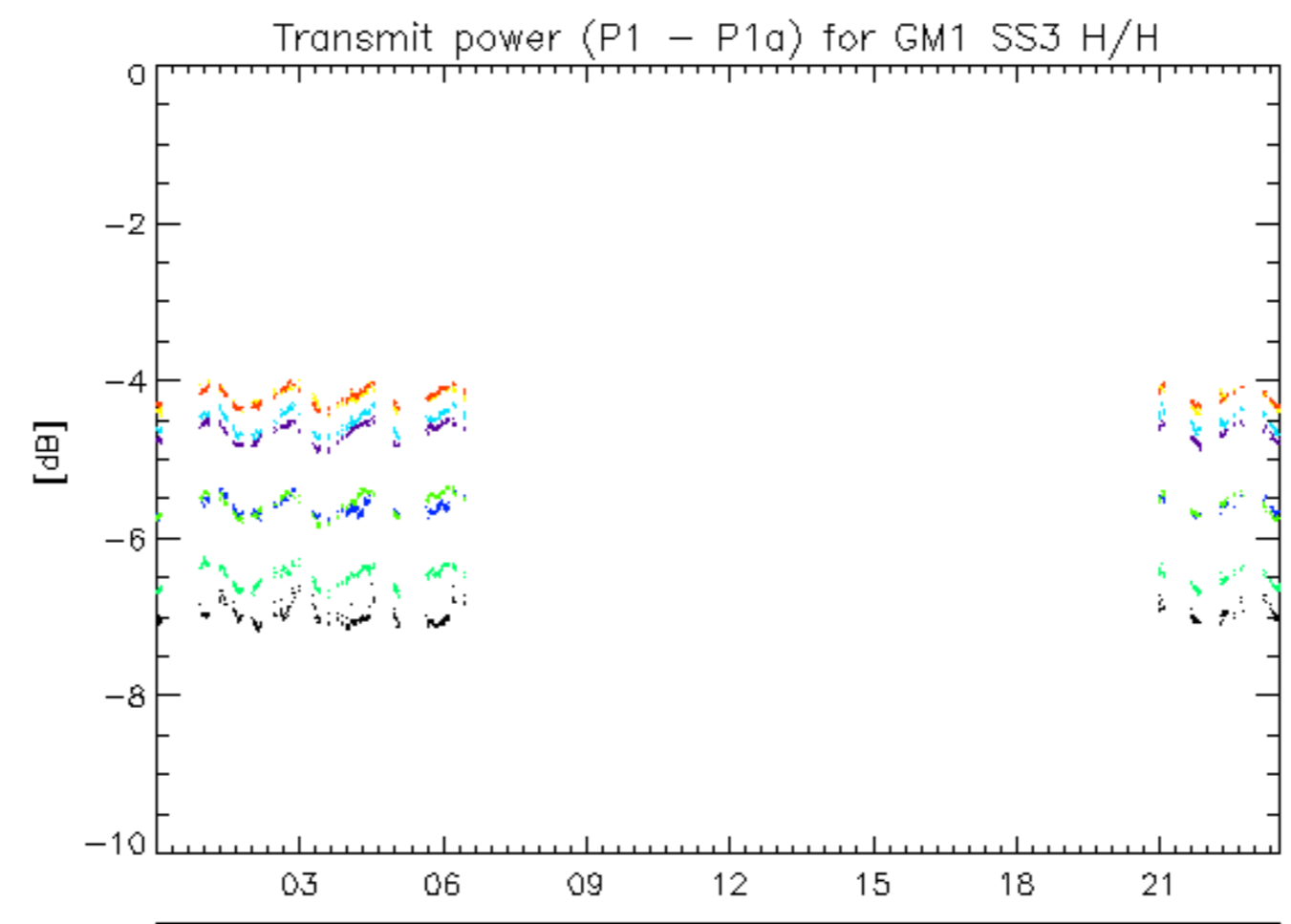
Calibration pulses for WVS IS2 V/V

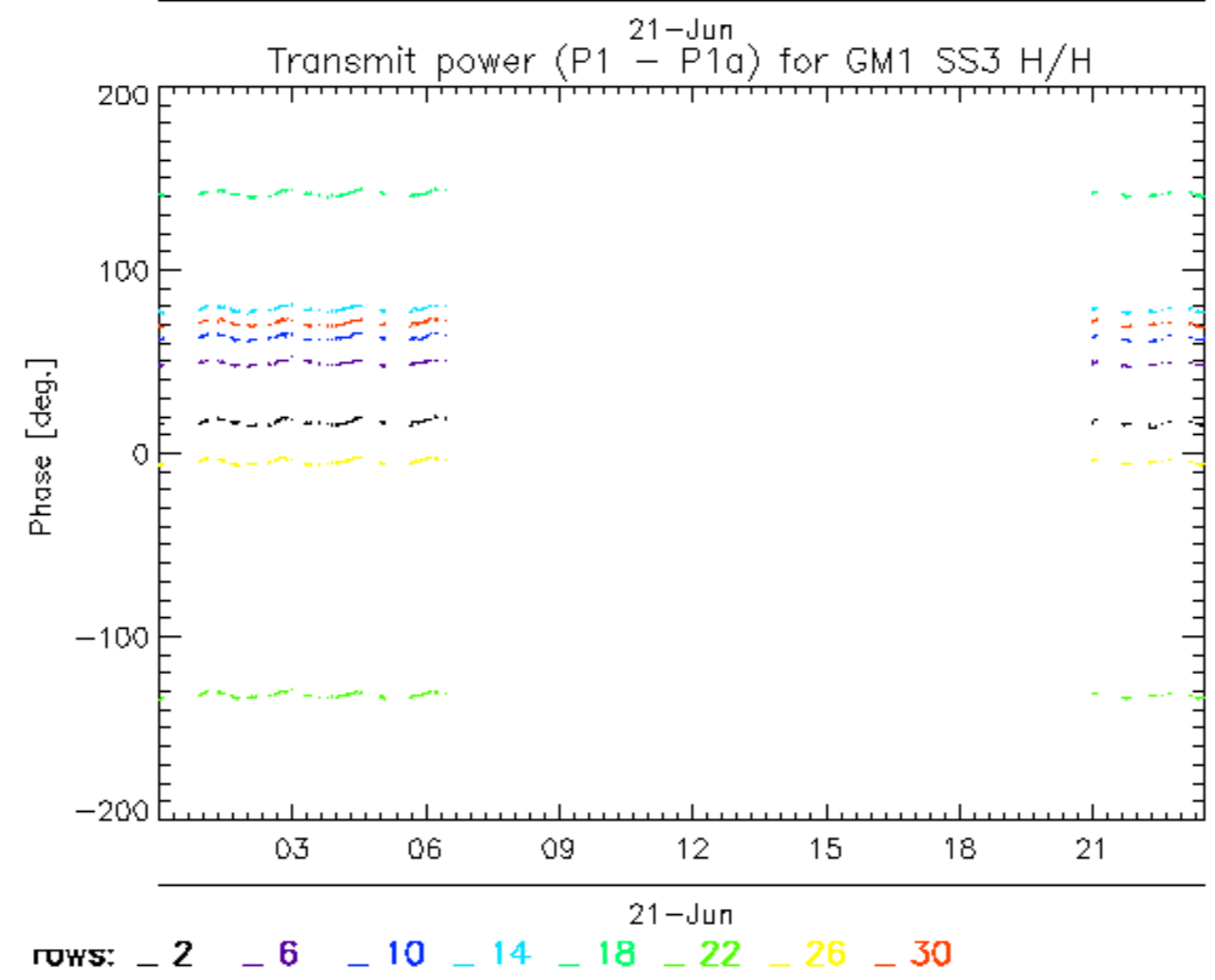
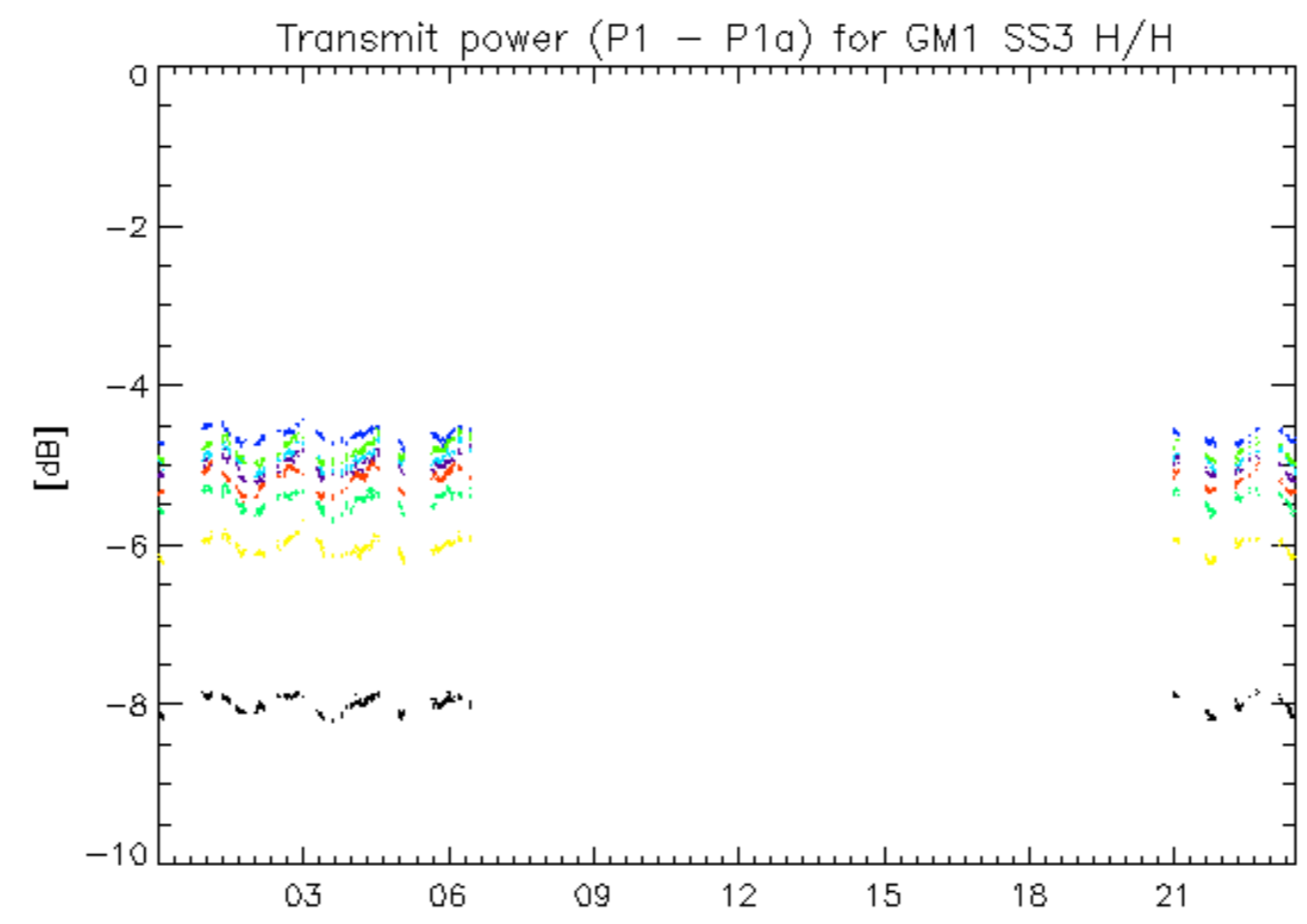


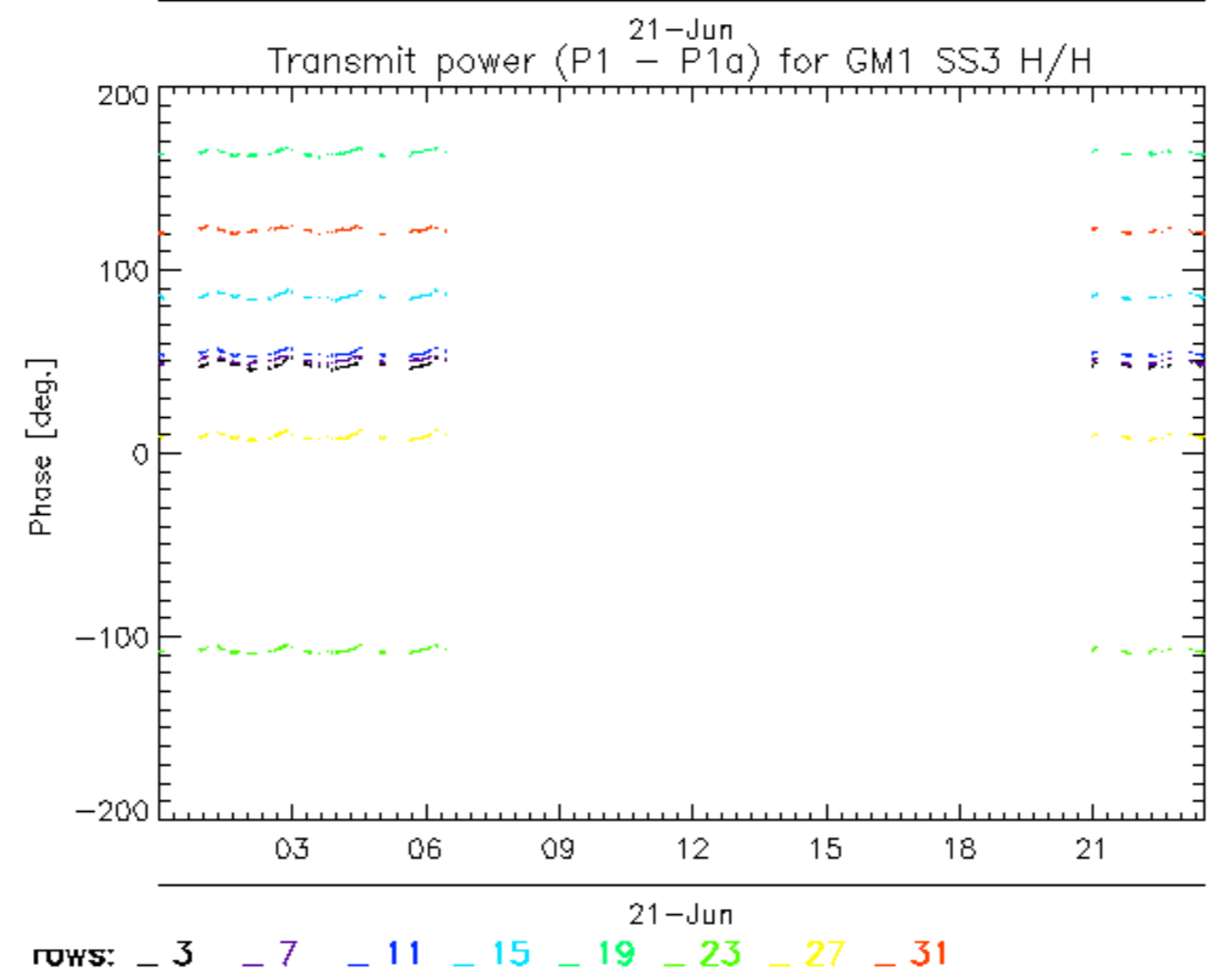
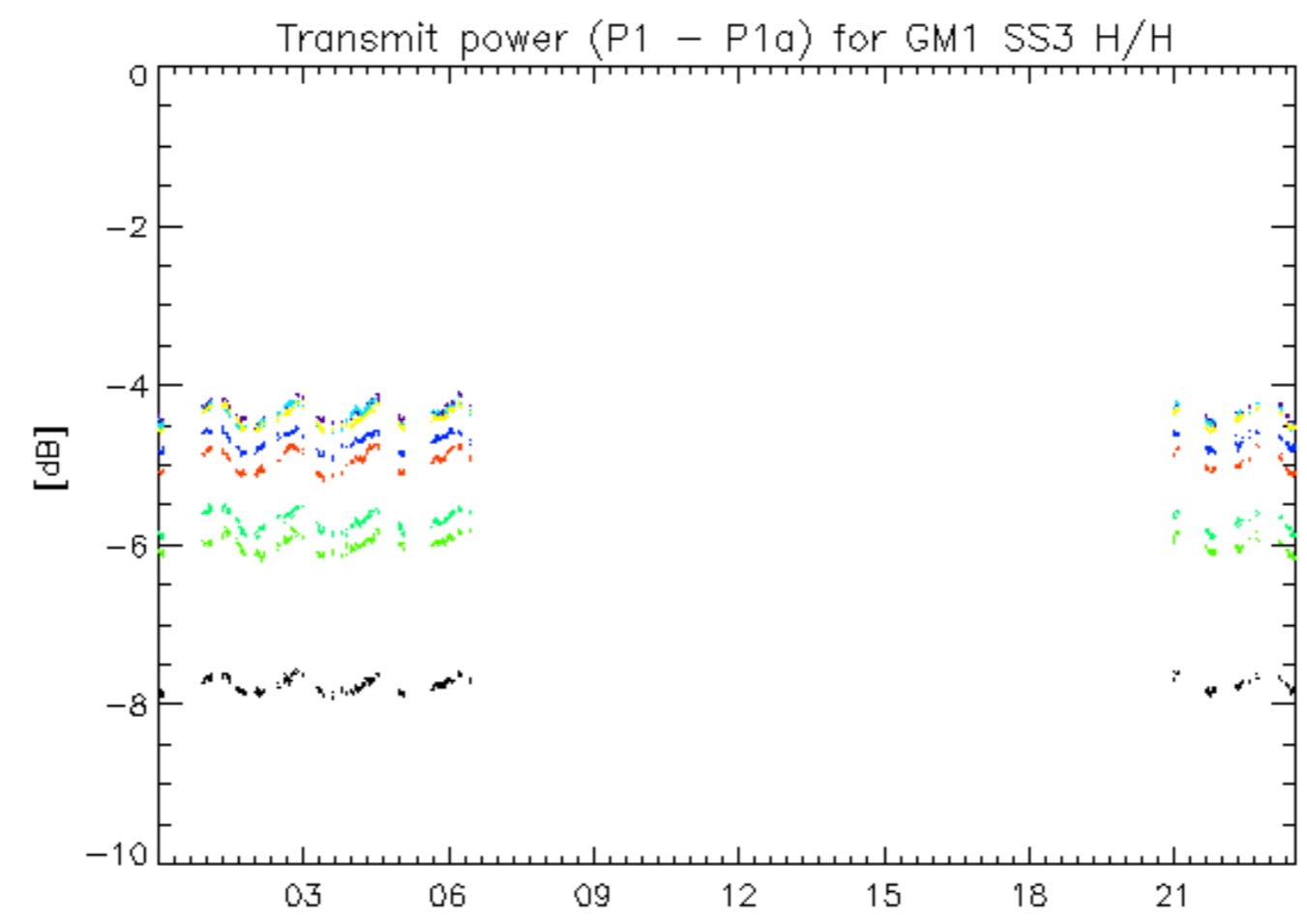
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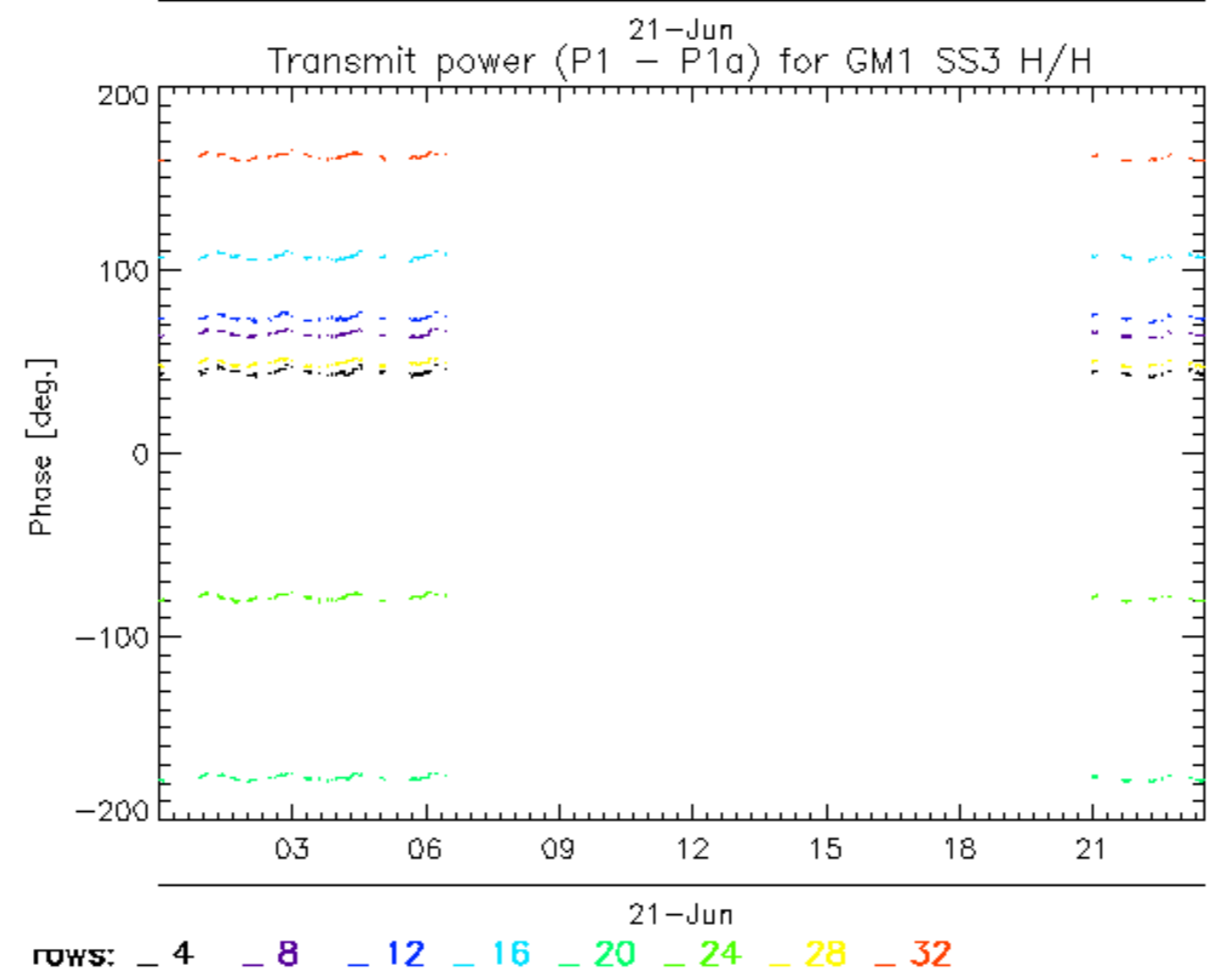
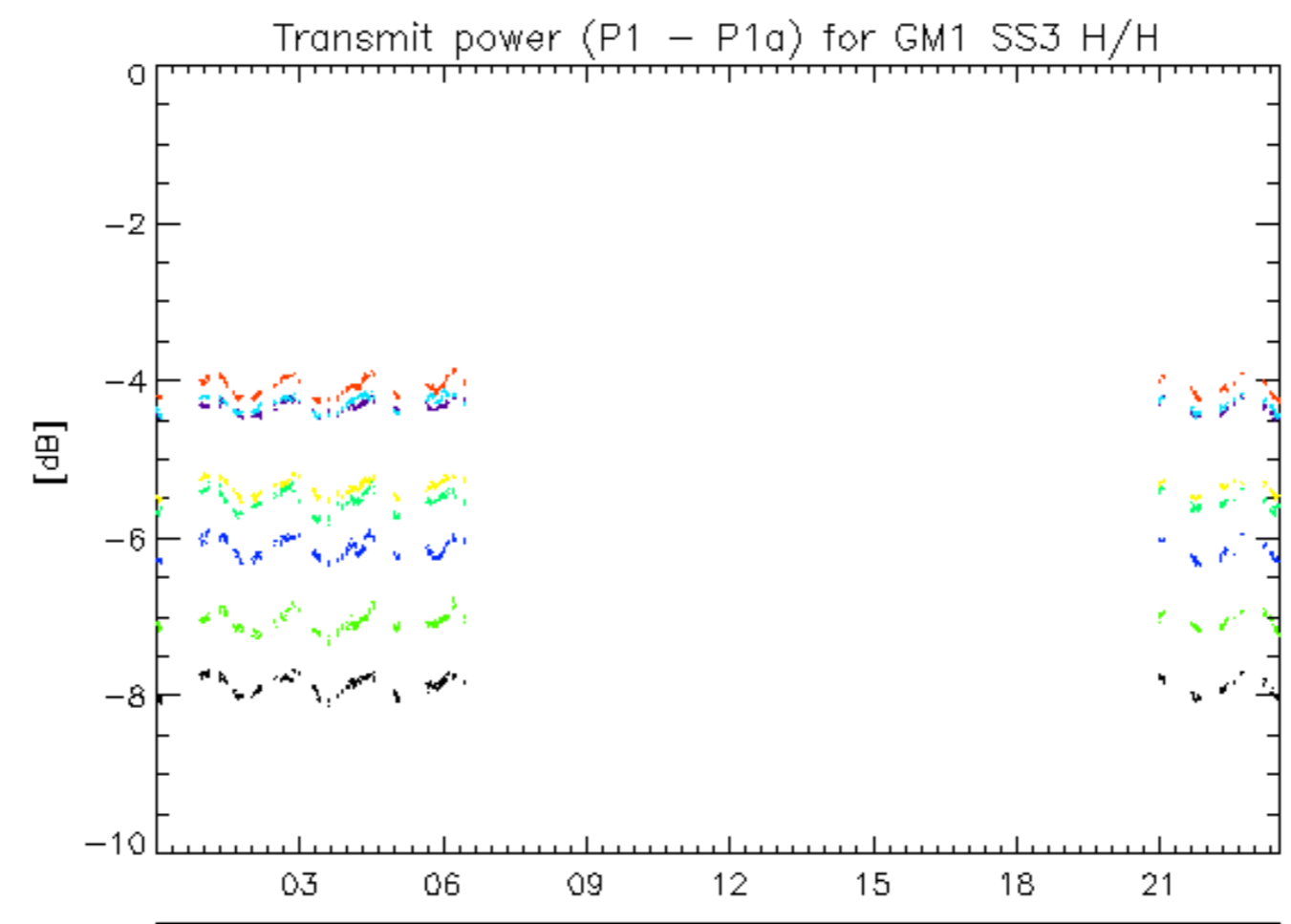


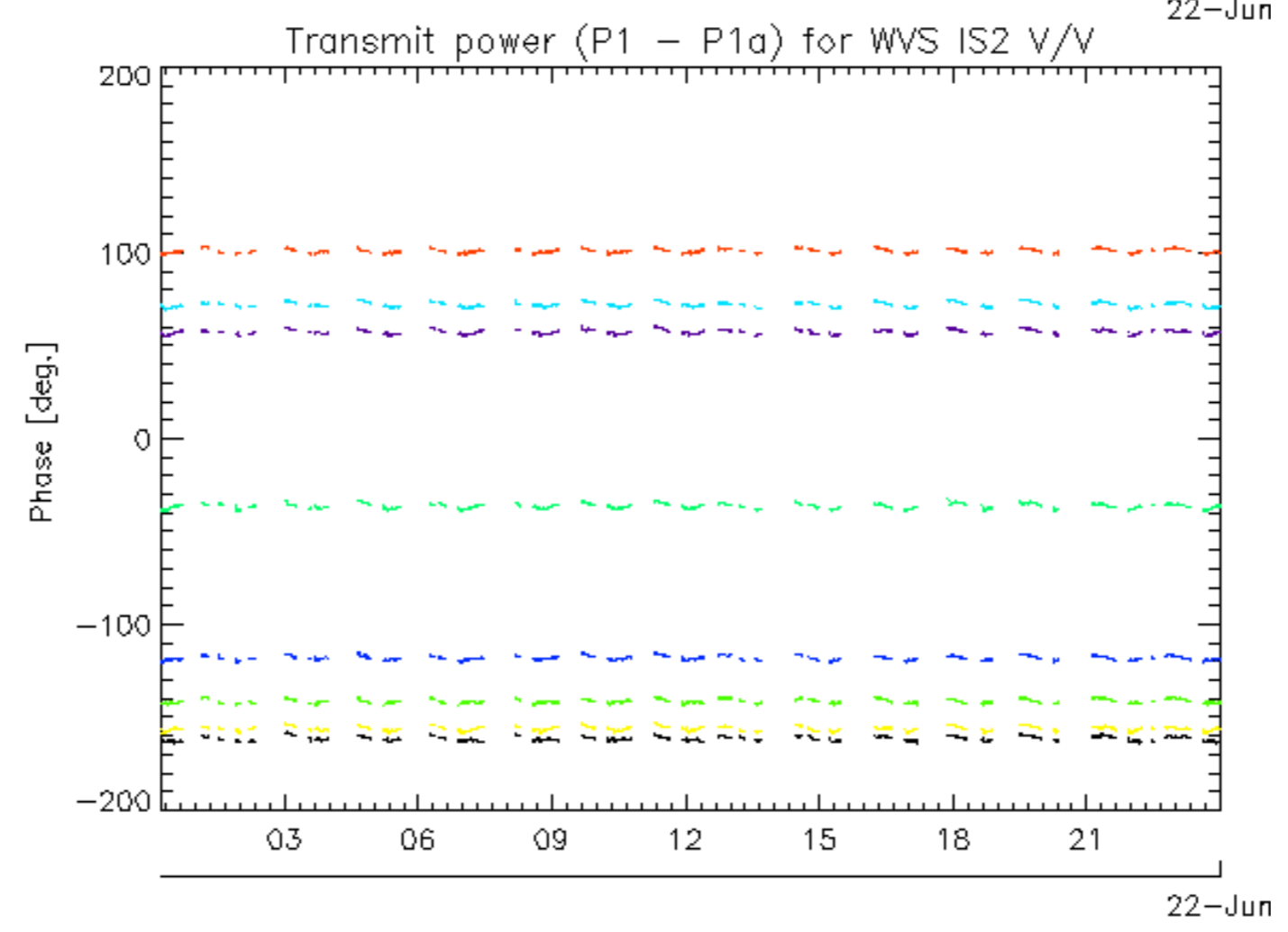
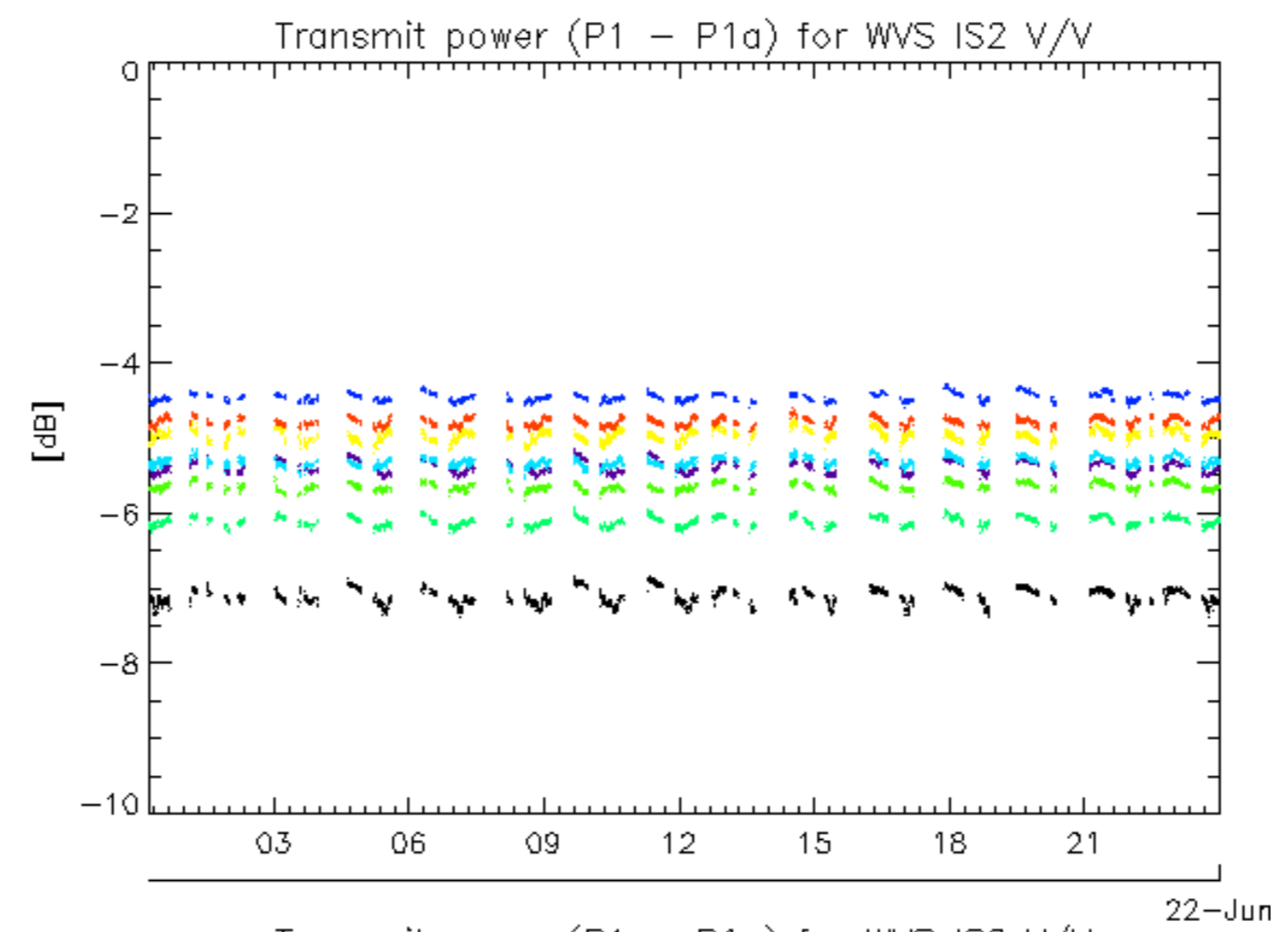




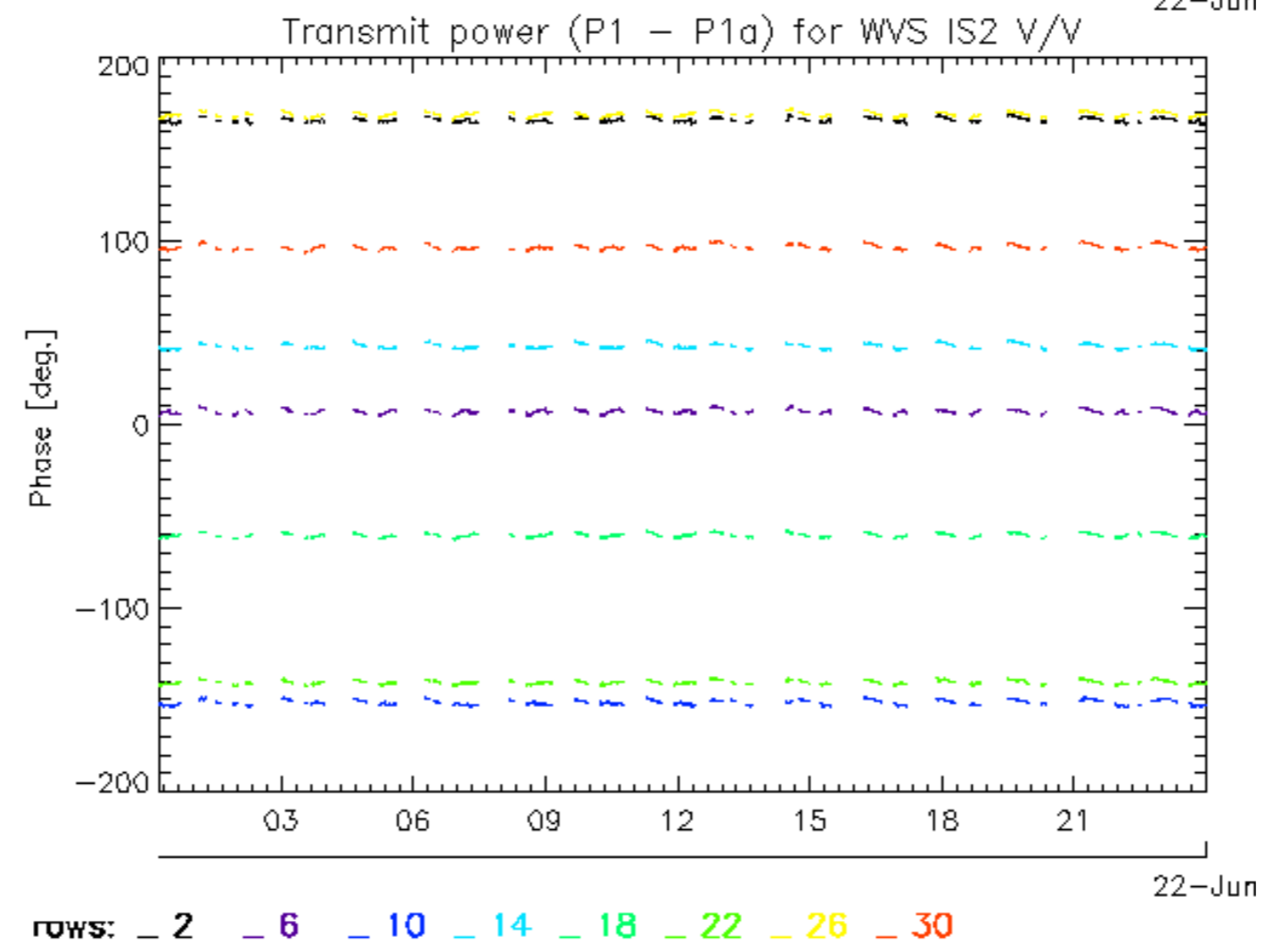
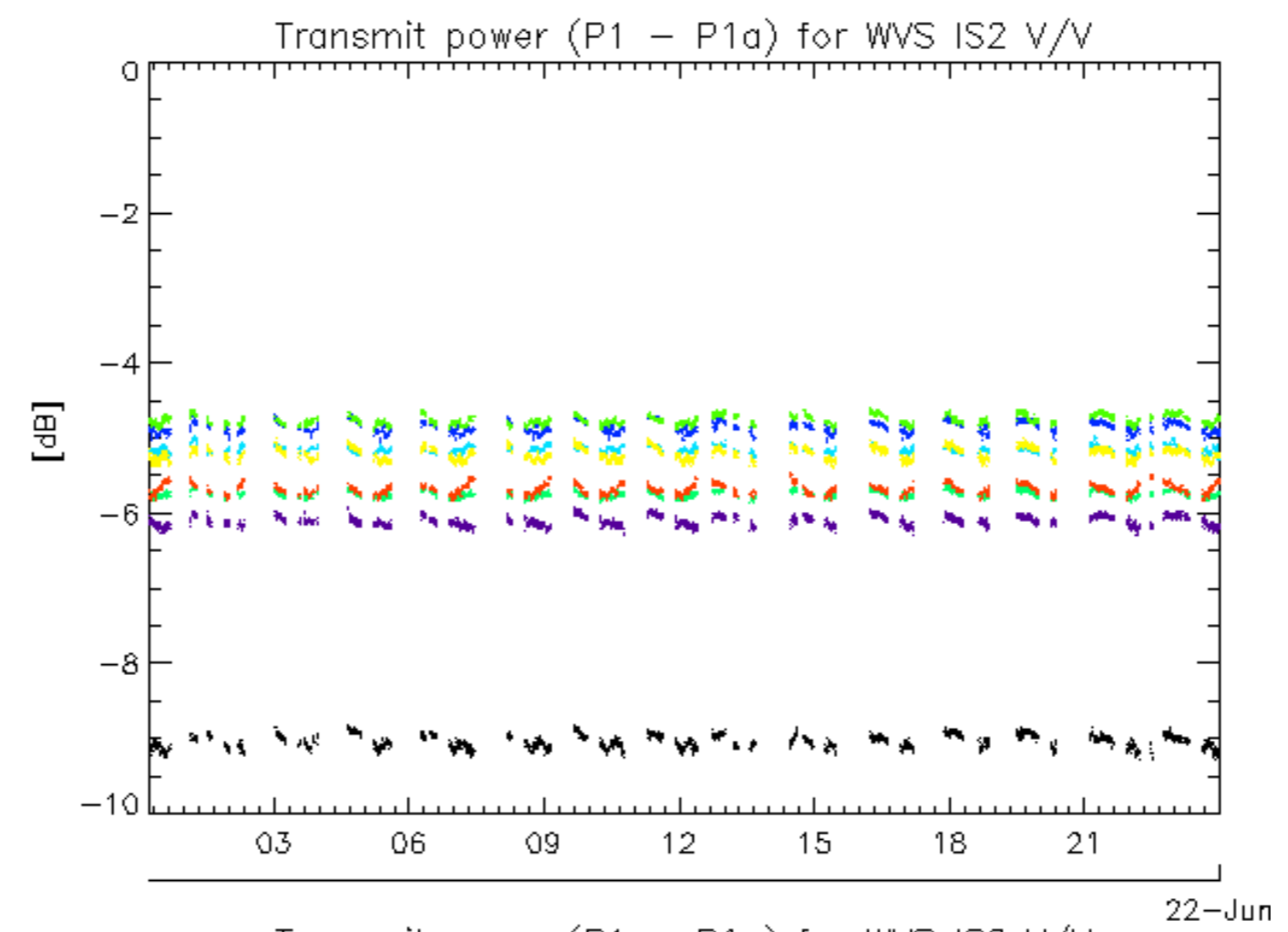


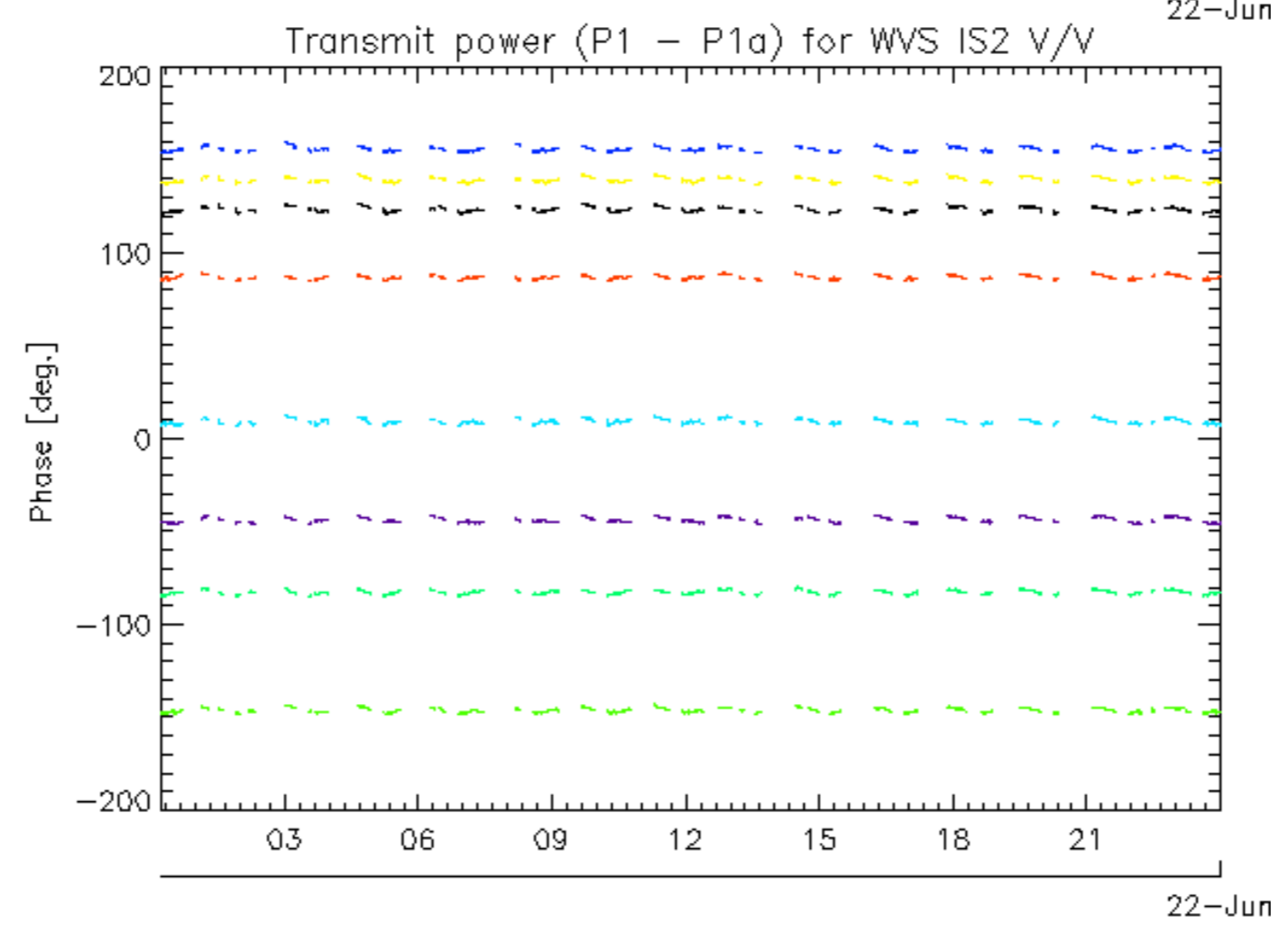
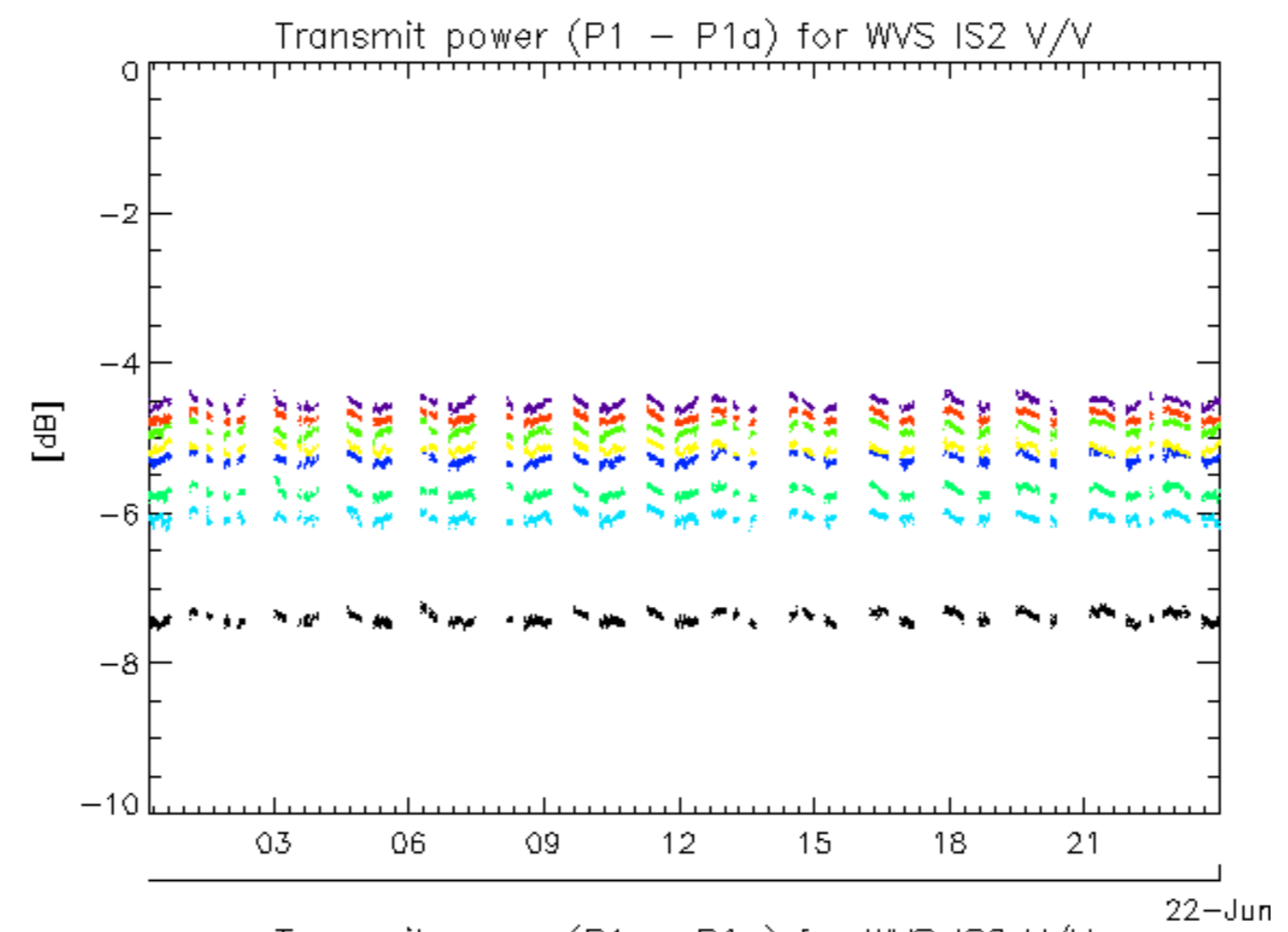




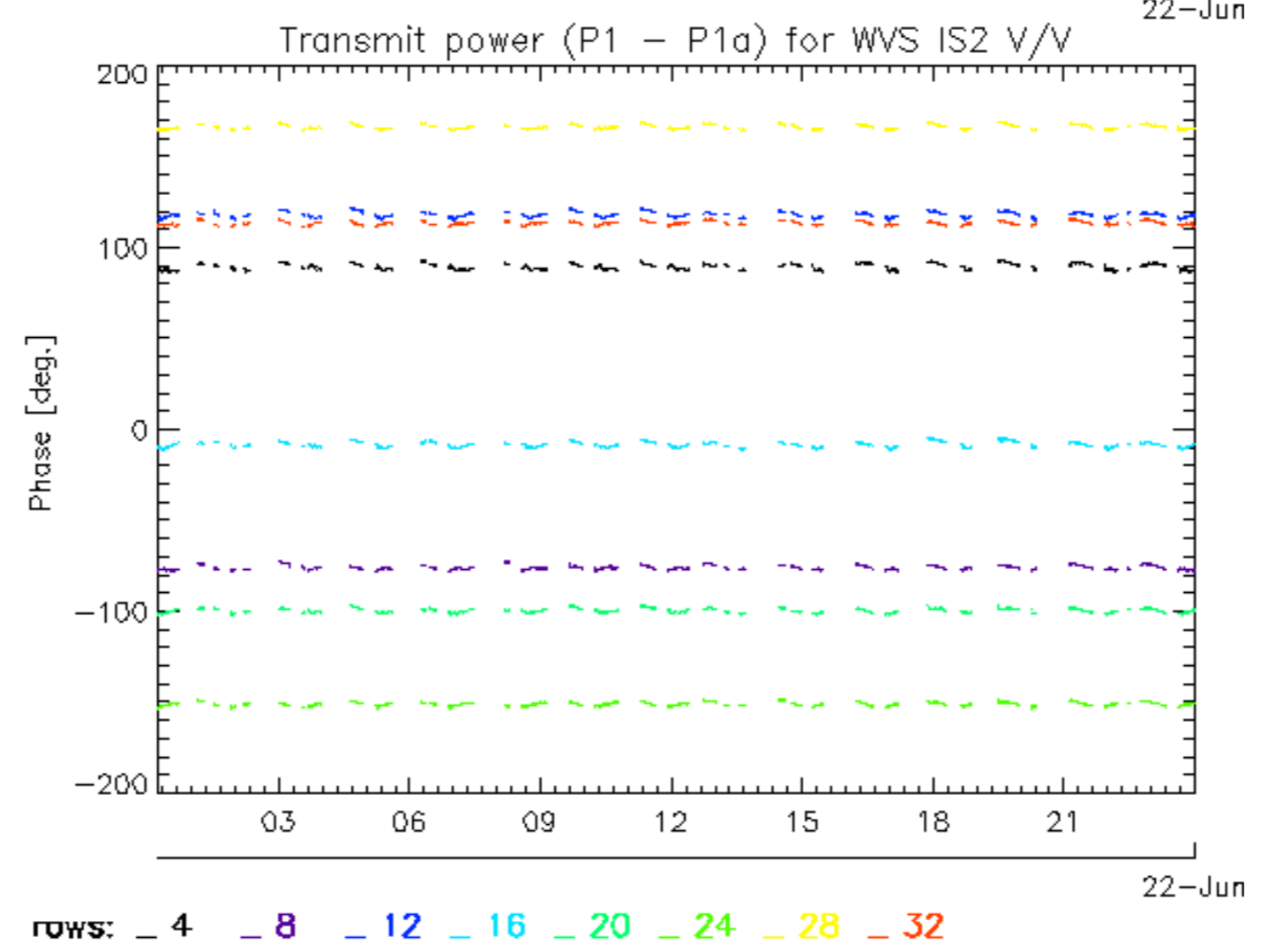
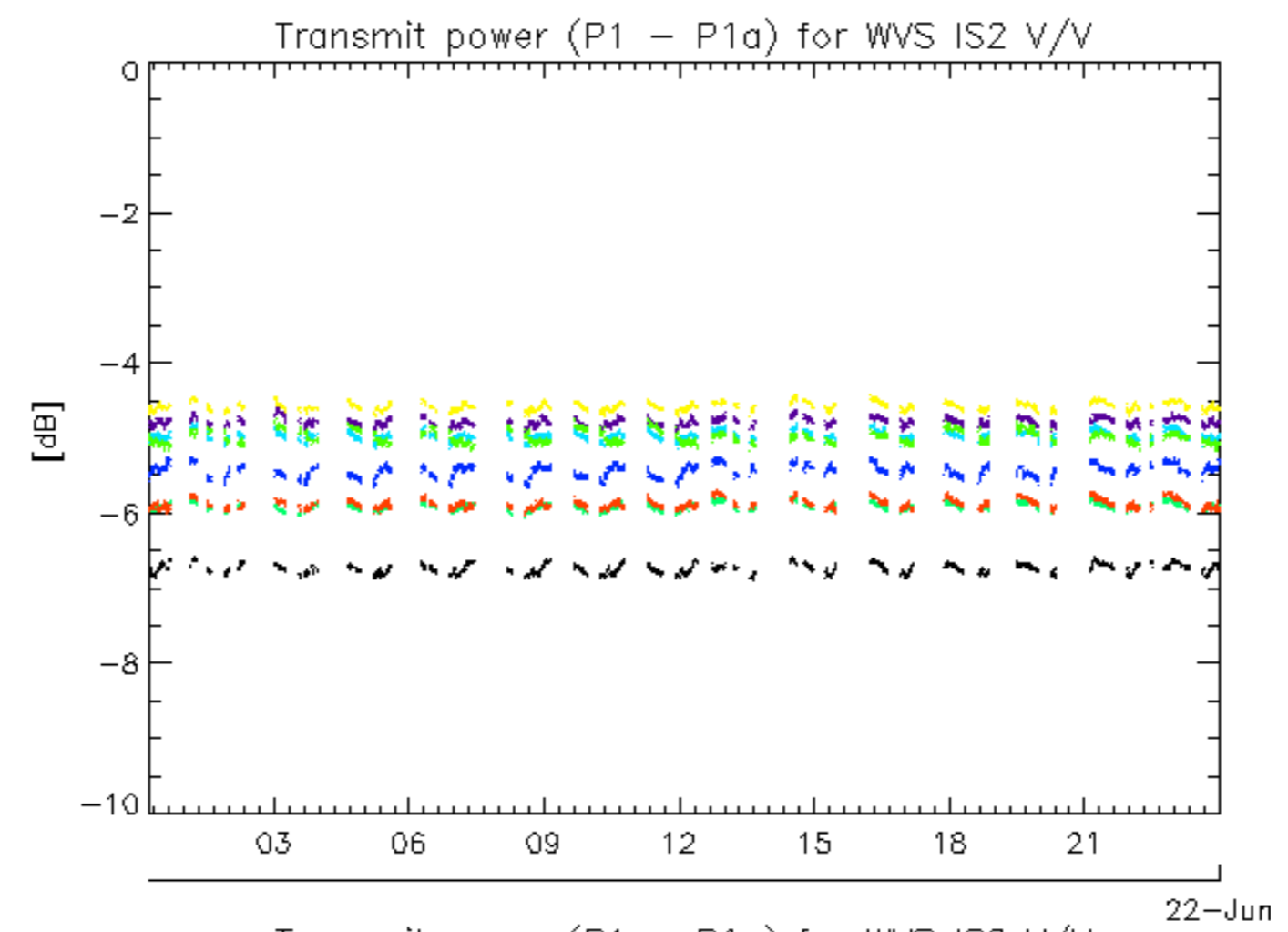


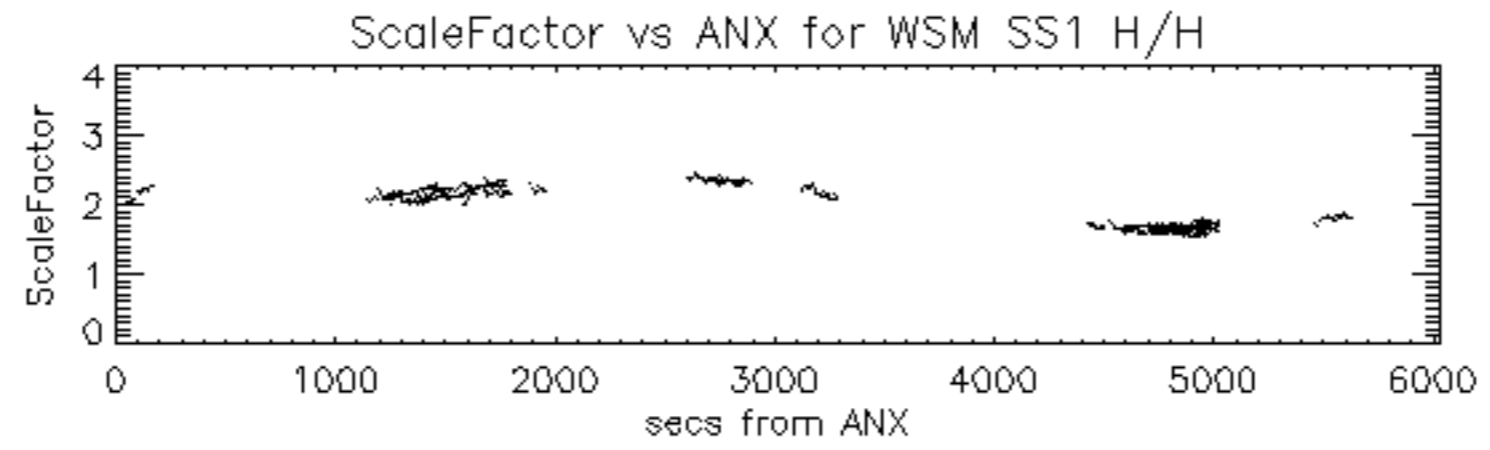
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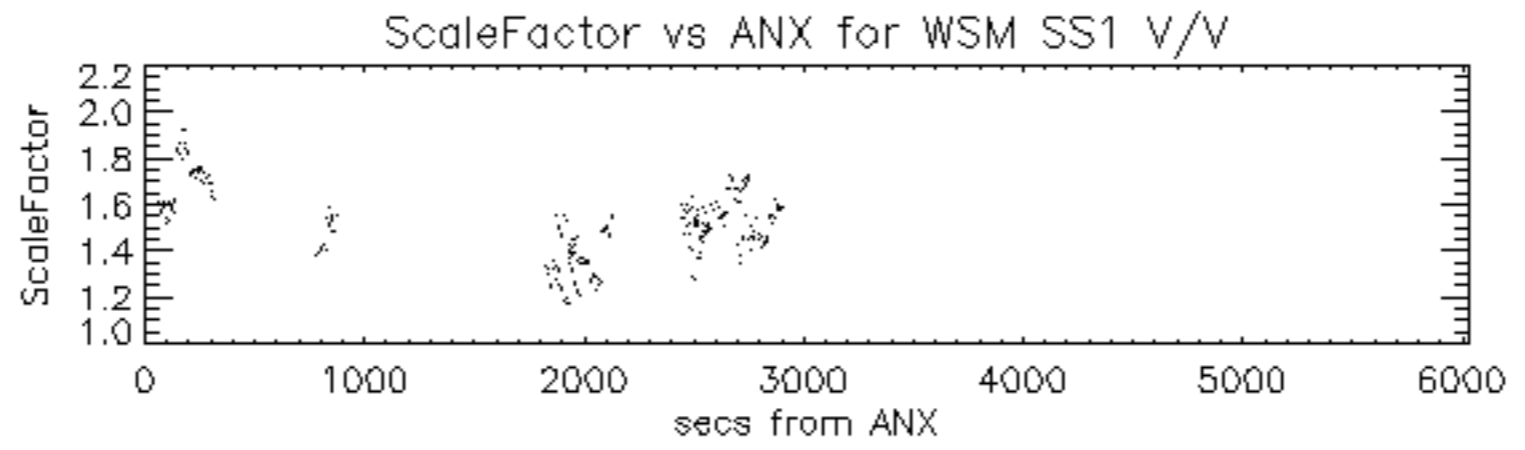


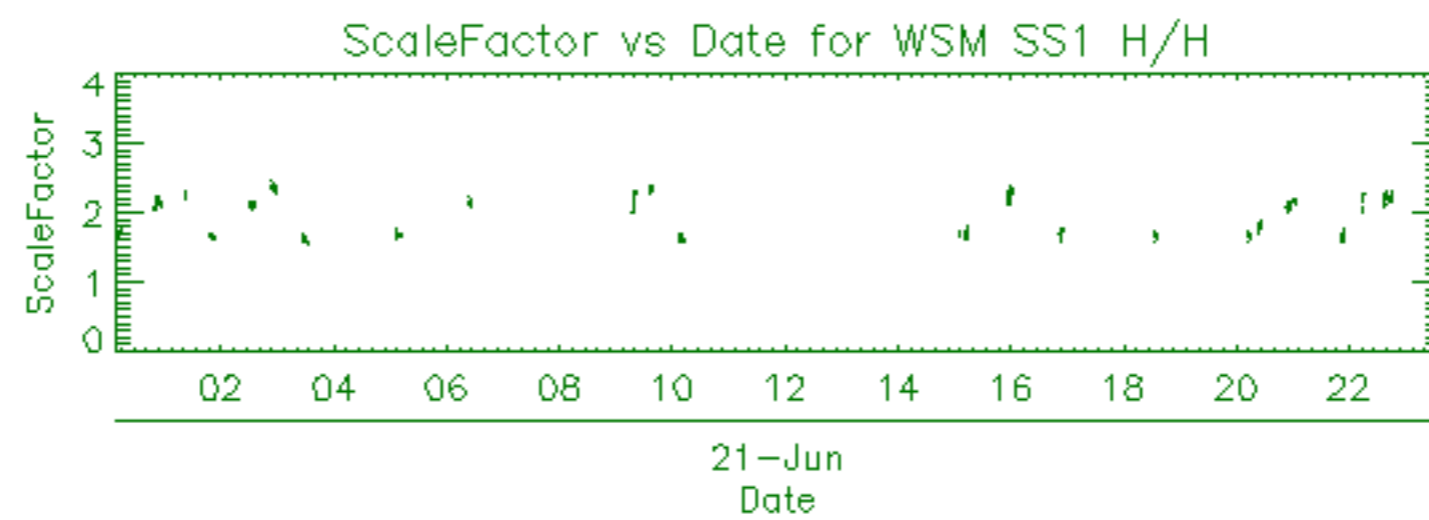


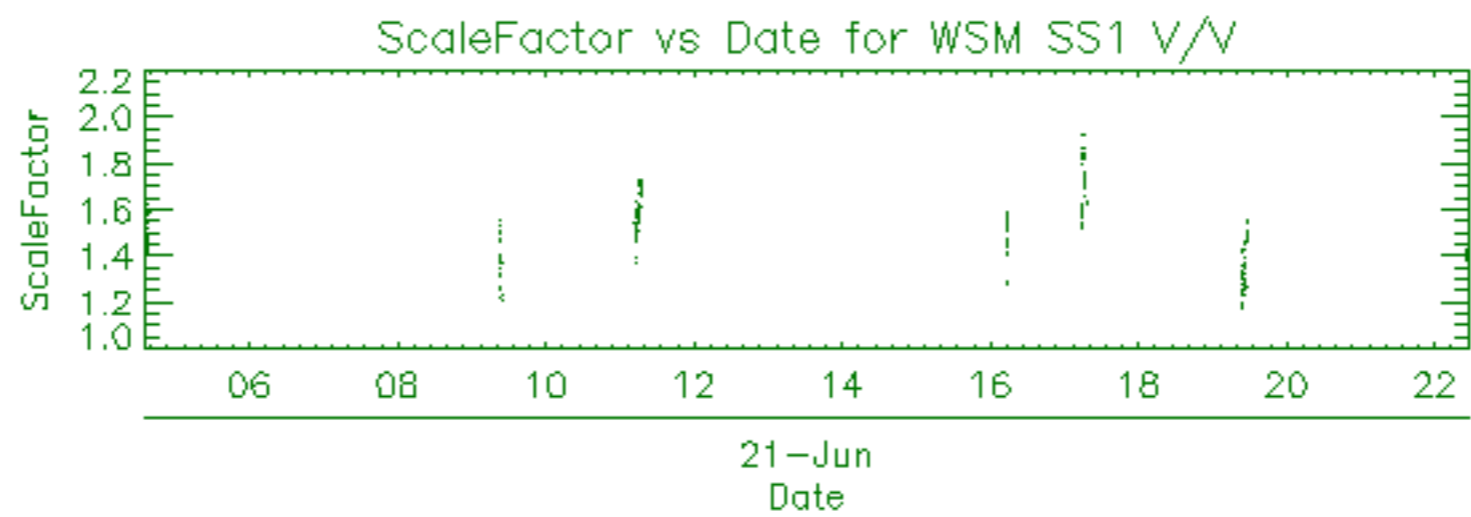
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Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_APM_1PNPDE20110621_025918_000001193103_00377_48667_1276.N1						IS4	V/V	103	48667	377	5.04
ASA_APM_1PNPDE20110621_035510_000000573103_00378_48668_1297.N1						IS4	V/H	103	48668	378	5.04
ASA_APM_1PNPDE20110621_053629_000001753103_00379_48669_1323.N1						IS4	V/H	103	48669	379	5.04
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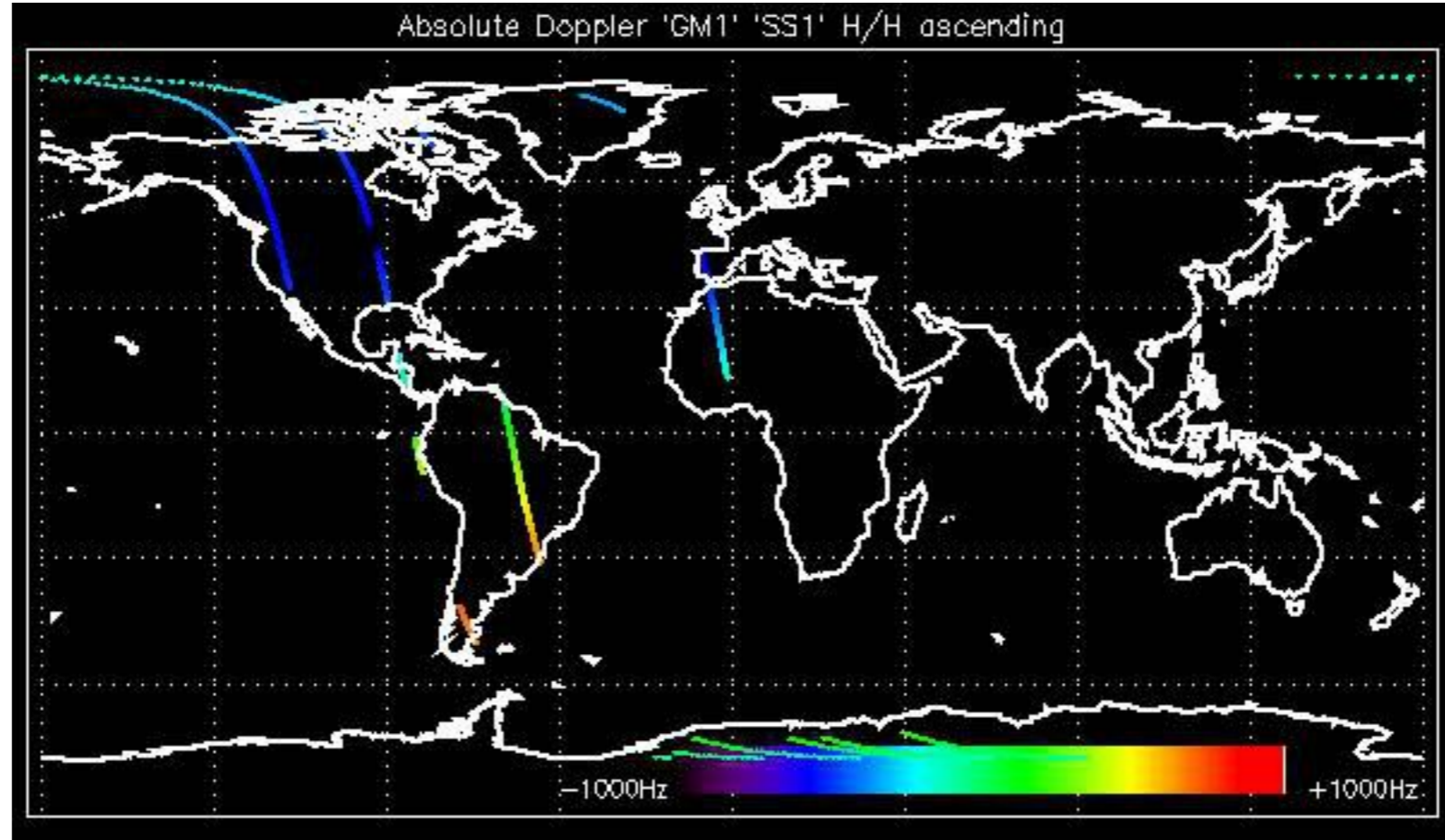
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
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ASA_GM1_1PNPDE20110621_023534_000007913103_00377_48667_1284.N1						SS1	H/H	103	48667	377	5.04
ASA_GM1_1PNPDE20110621_024947_000000663103_00377_48667_1283.N1						SS1	H/H	103	48667	377	5.04
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ASA_GM1_1PNPDE20110621_025807_000000663103_00377_48667_1280.N1						SS1	H/H	103	48667	377	5.04
ASA_GM1_1PNPDE20110621_031659_000005733103_00377_48667_1309.N1						SS1	H/H	103	48667	377	5.04
ASA_GM1_1PNPDE20110621_033526_000001633103_00377_48667_1308.N1						SS1	H/H	103	48667	377	5.04
ASA_GM1_1PNPDE20110621_034707_000001443103_00377_48667_1307.N1						SS1	H/H	103	48667	377	5.04
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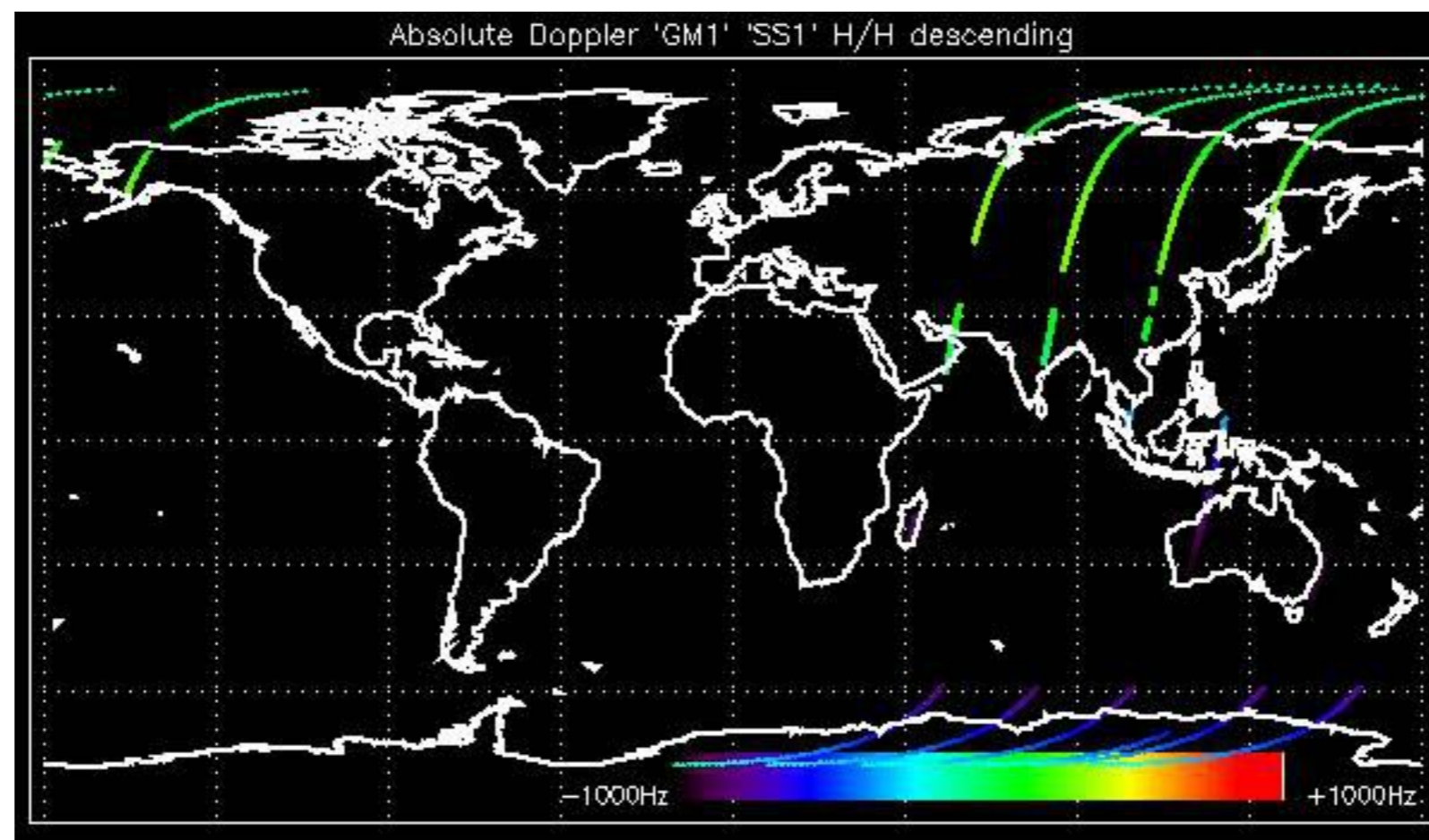
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ASA_IMM_1PNPDE20110621_174747_000003233103_00386_48676_1467.N1						IS6	H/H	103	48676	386	5.04
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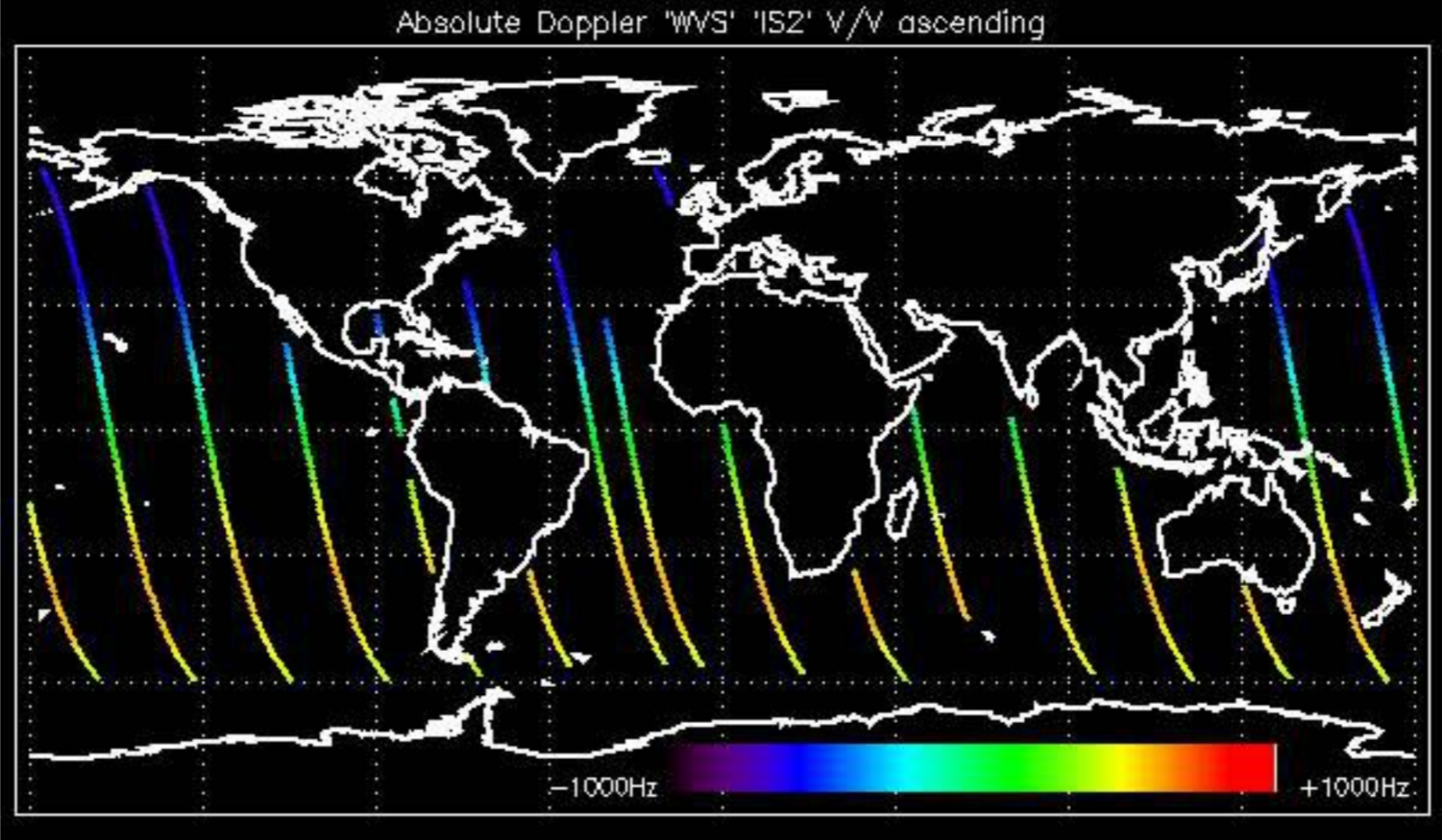
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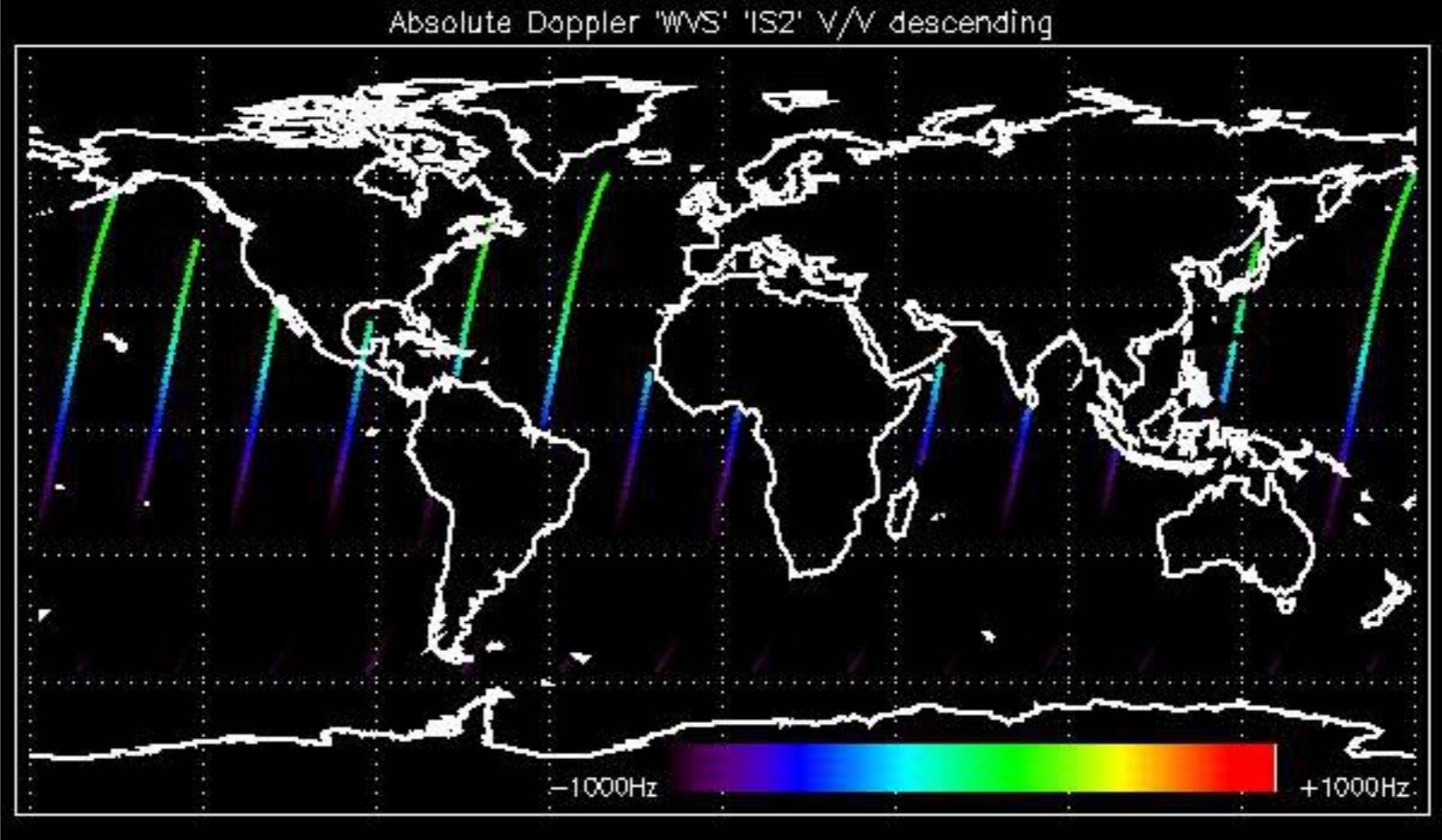
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ASA_WSM_1PNPDE20110621_023037_000002943103_00377_48667_1277.N1						SS1	H/H	103	48667	377	5.04
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ASA_WSM_1PNPDE20110621_032639_000003923103_00377_48667_1296.N1						SS1	H/H	103	48667	377	5.04
ASA_WSM_1PNPDE20110621_043512_000002203103_00378_48668_1300.N1						SS1	V/V	103	48668	378	5.04
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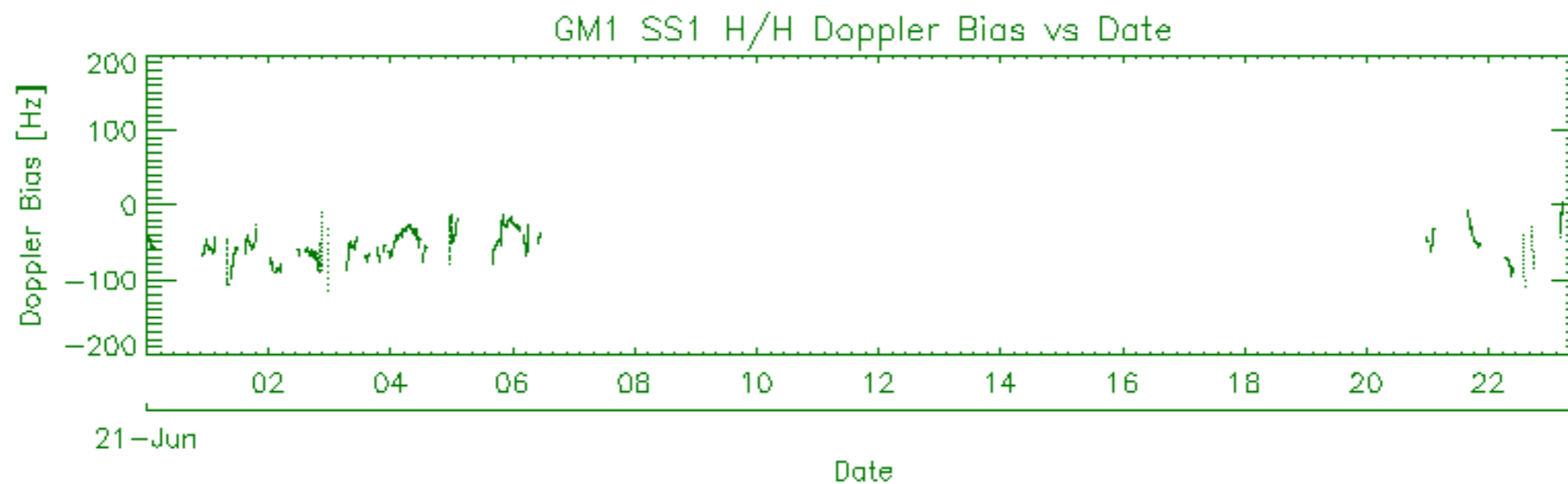
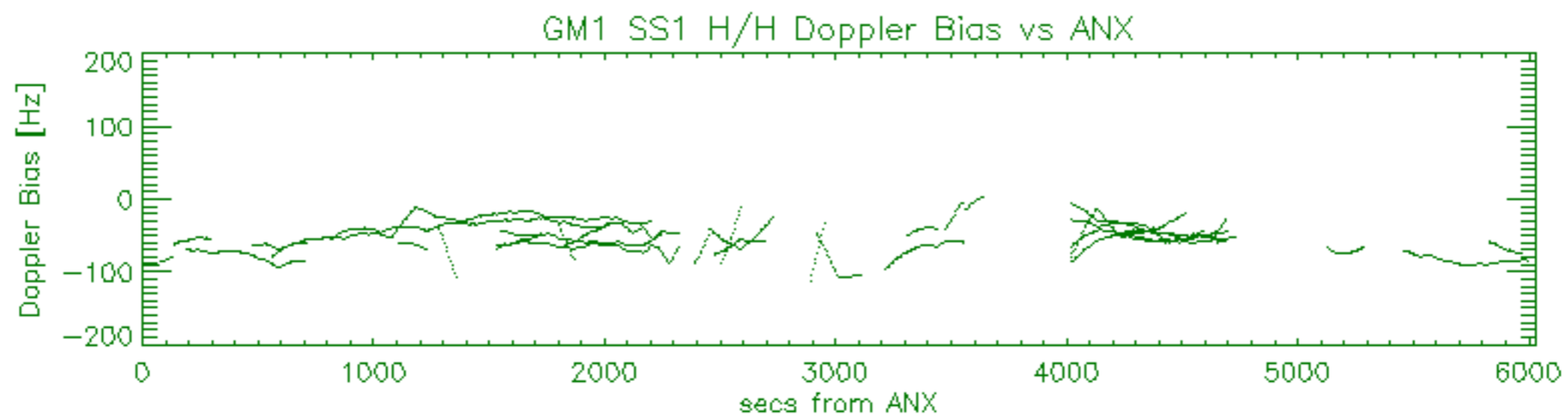
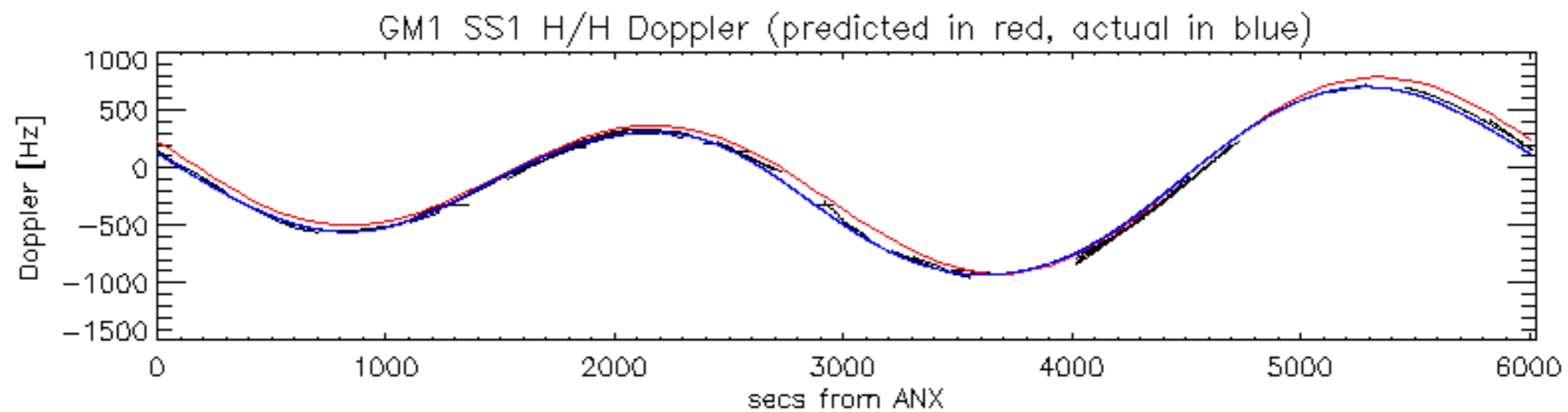
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ASA_WVS_1PNPDE20110621_011105_000003943103_00376_48666_1261.N1						IS2	V/V	103	48666	376	5.04
ASA_WVS_1PNPDE20110621_012955_000003603103_00376_48666_1263.N1						IS2	V/V	103	48666	376	5.04
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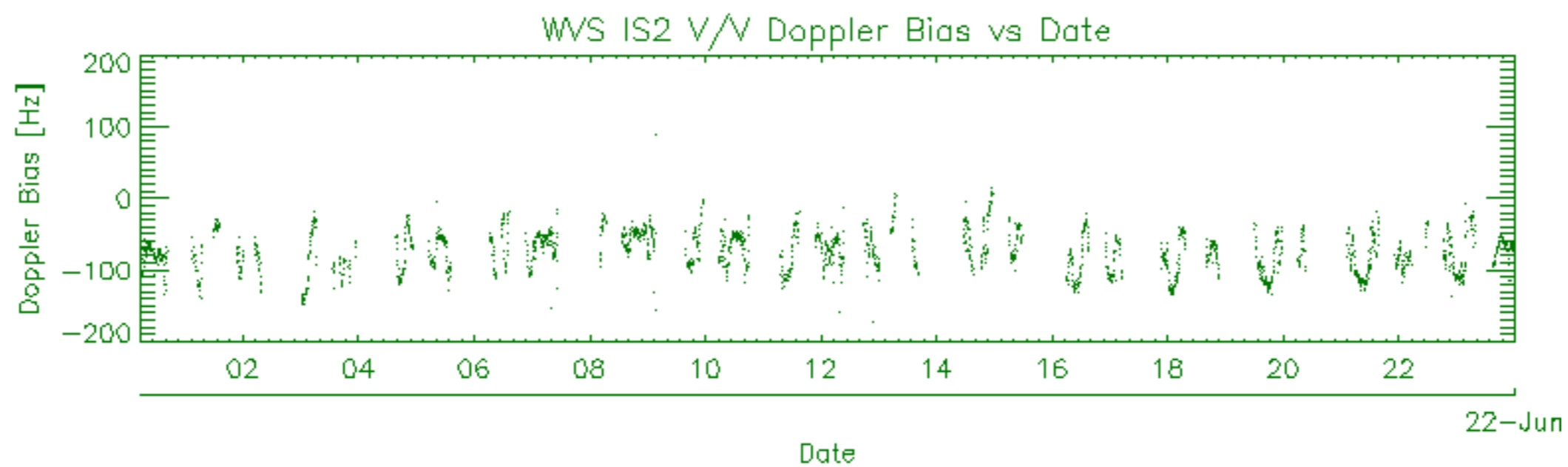
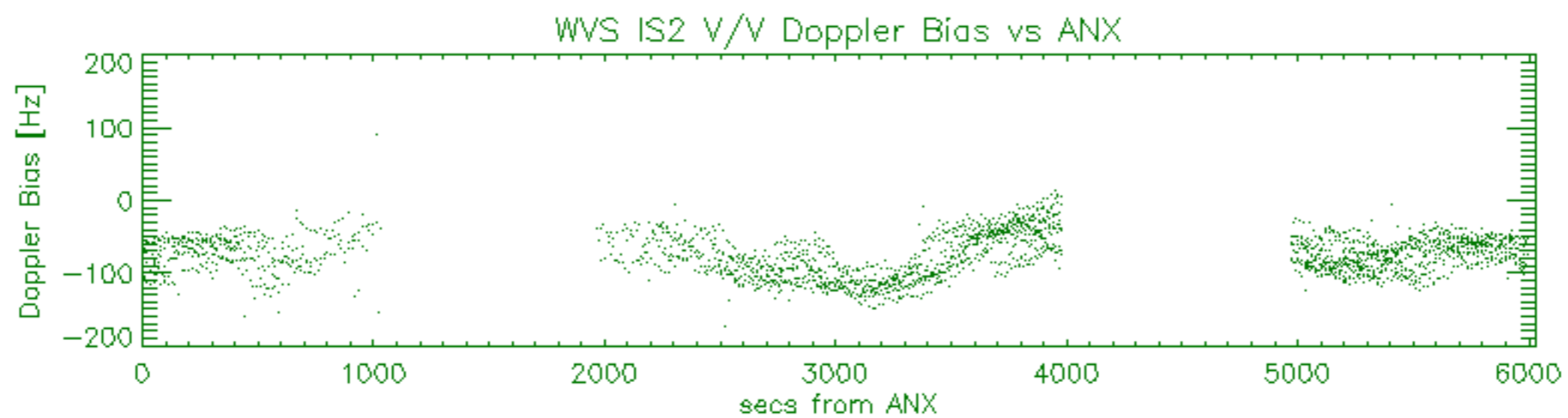
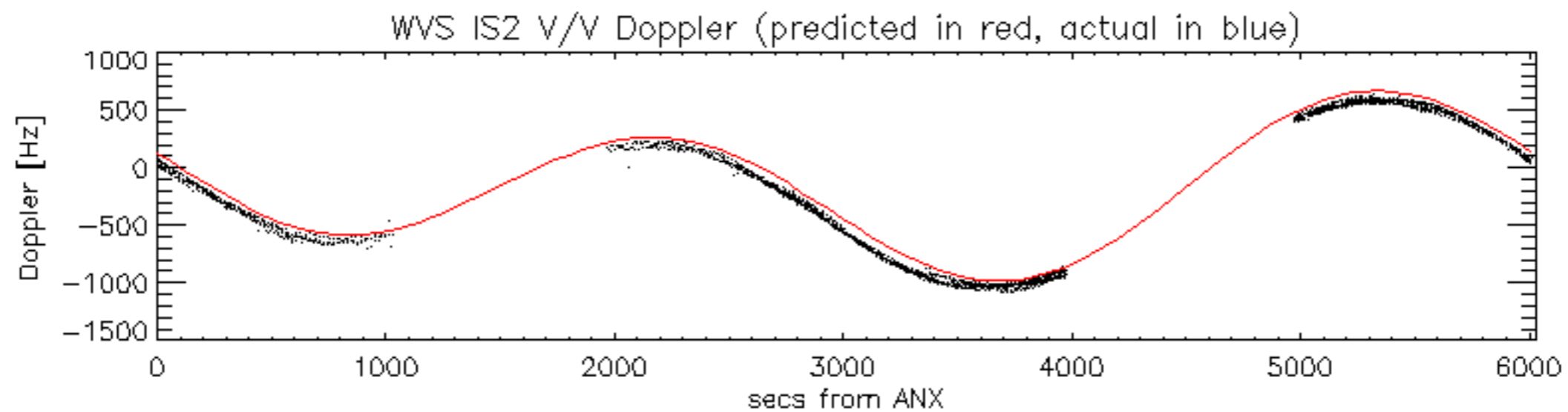


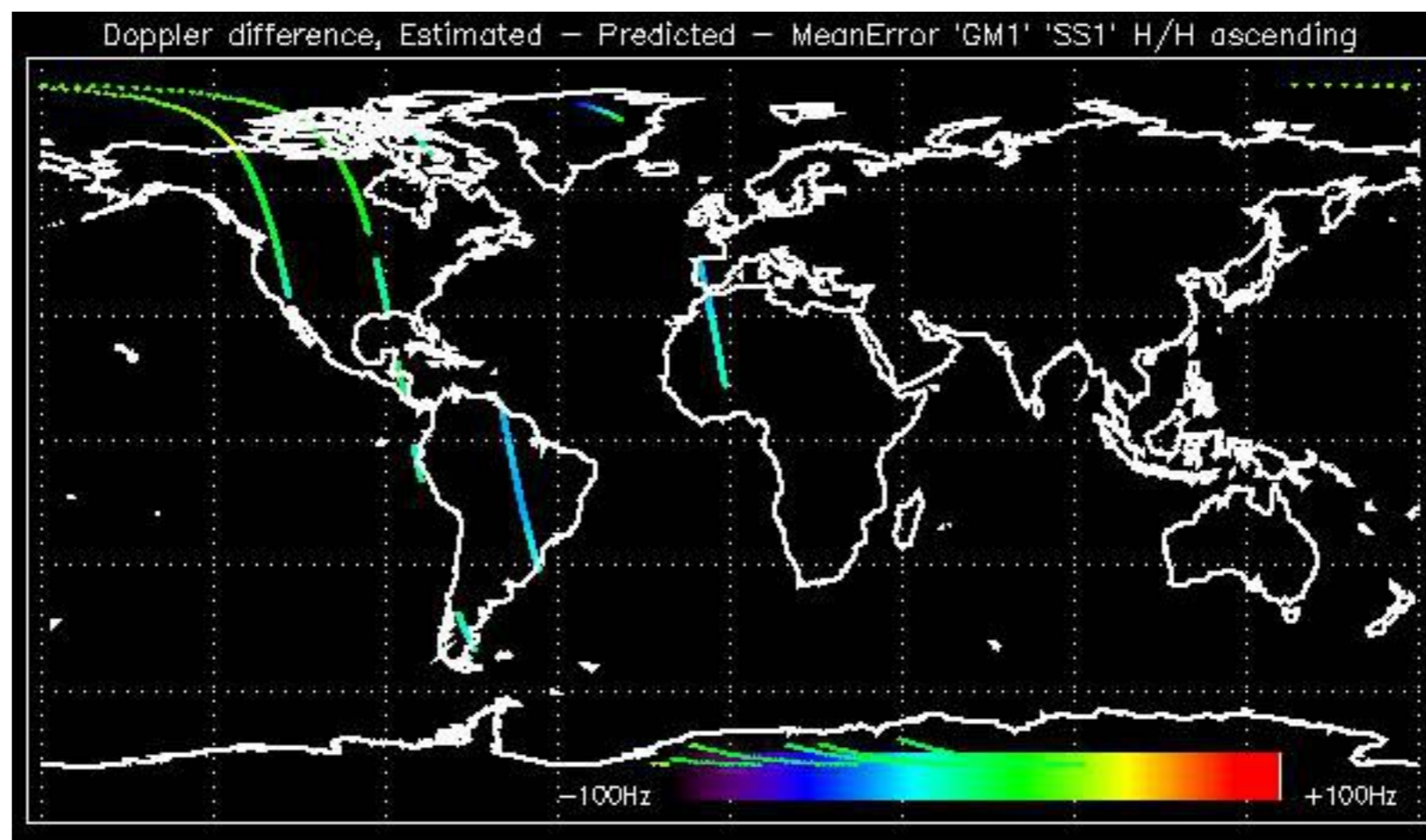


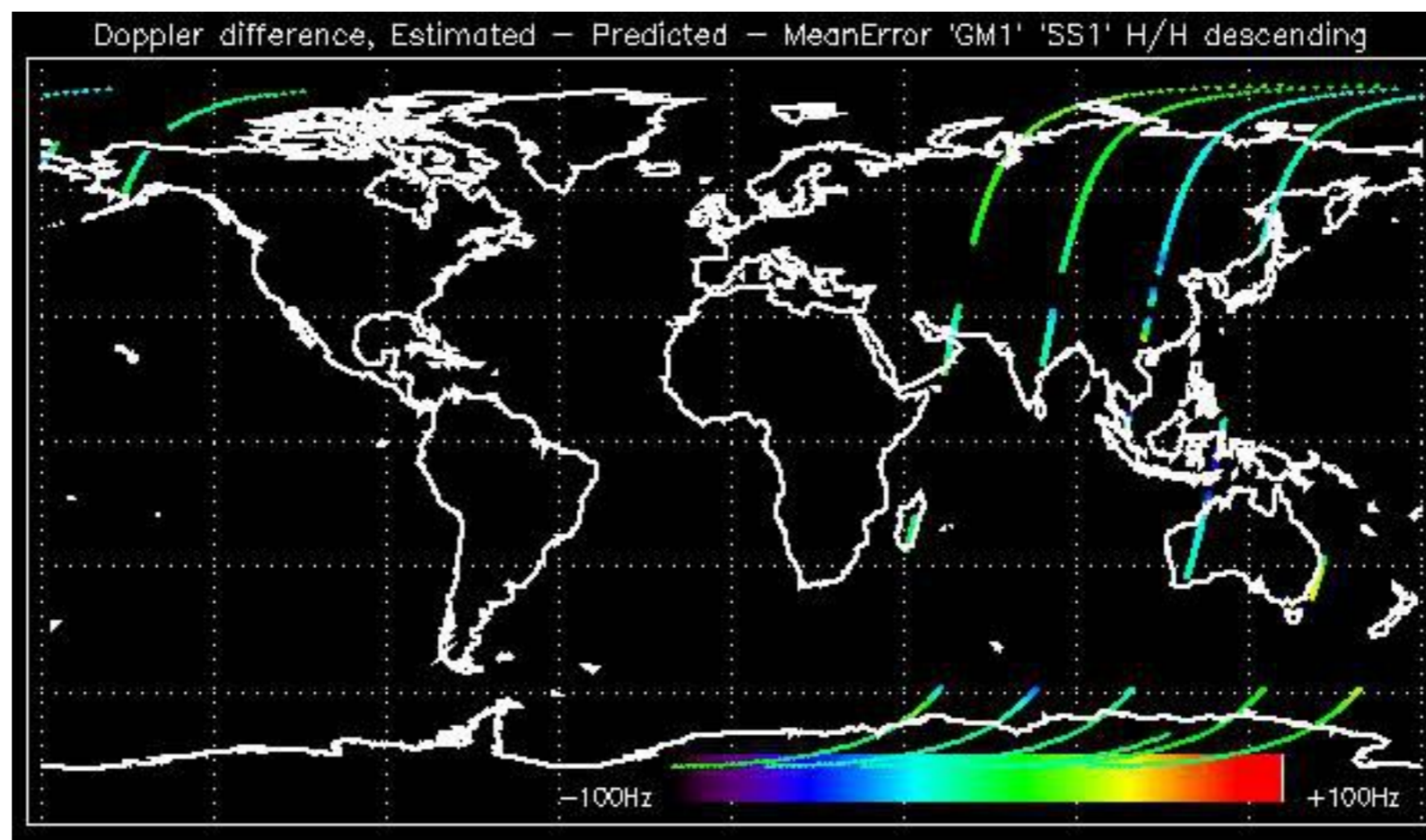


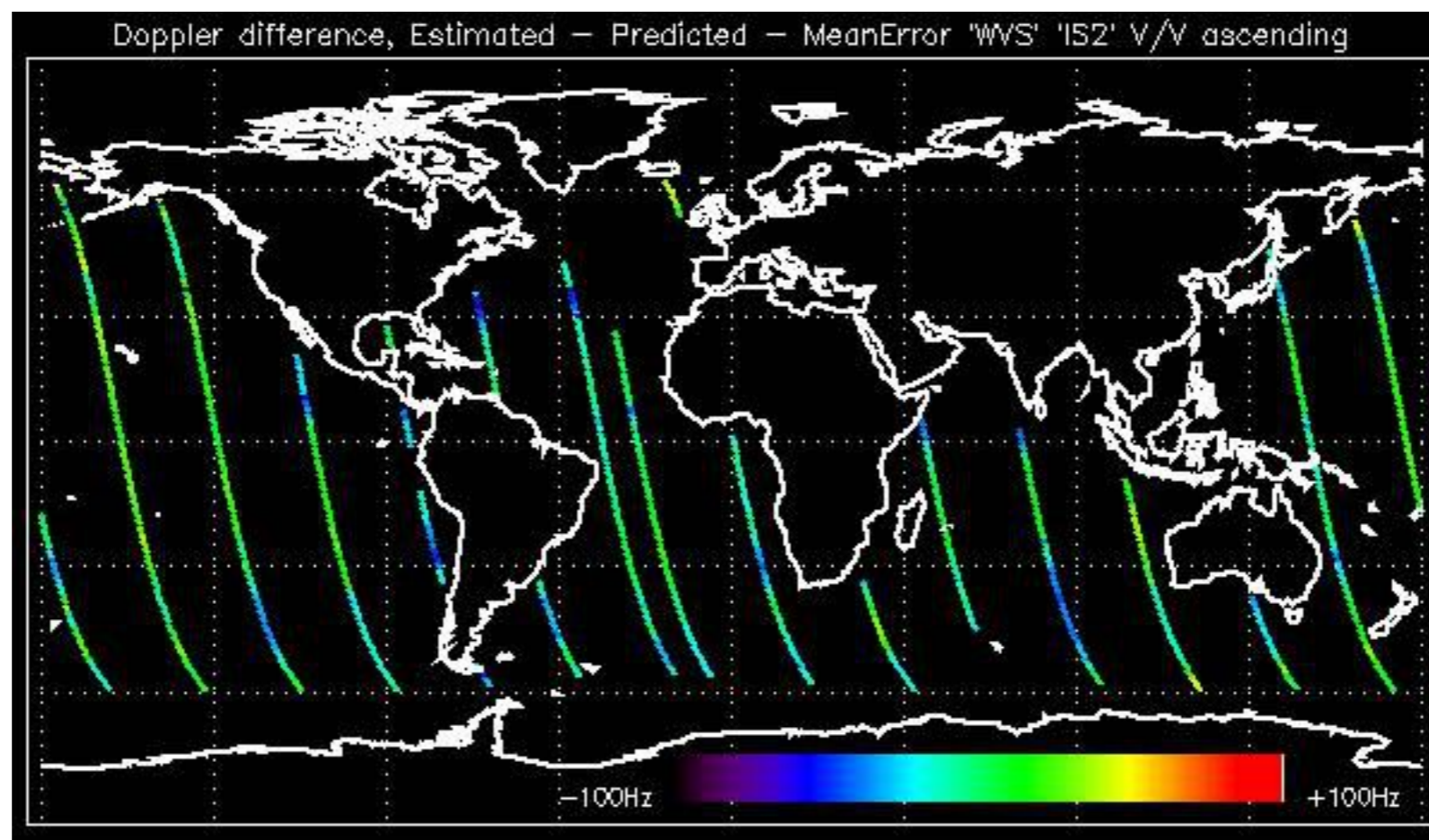


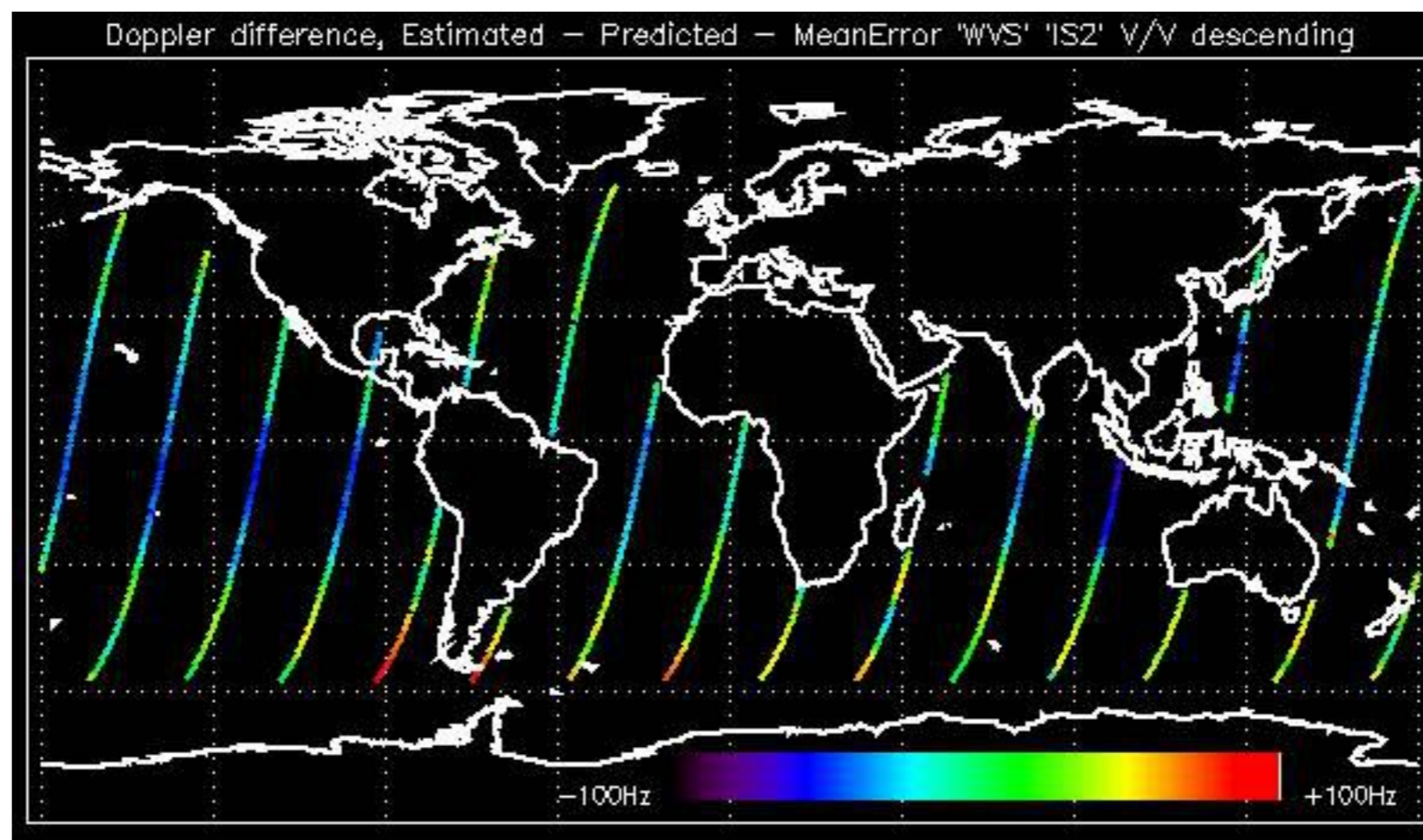


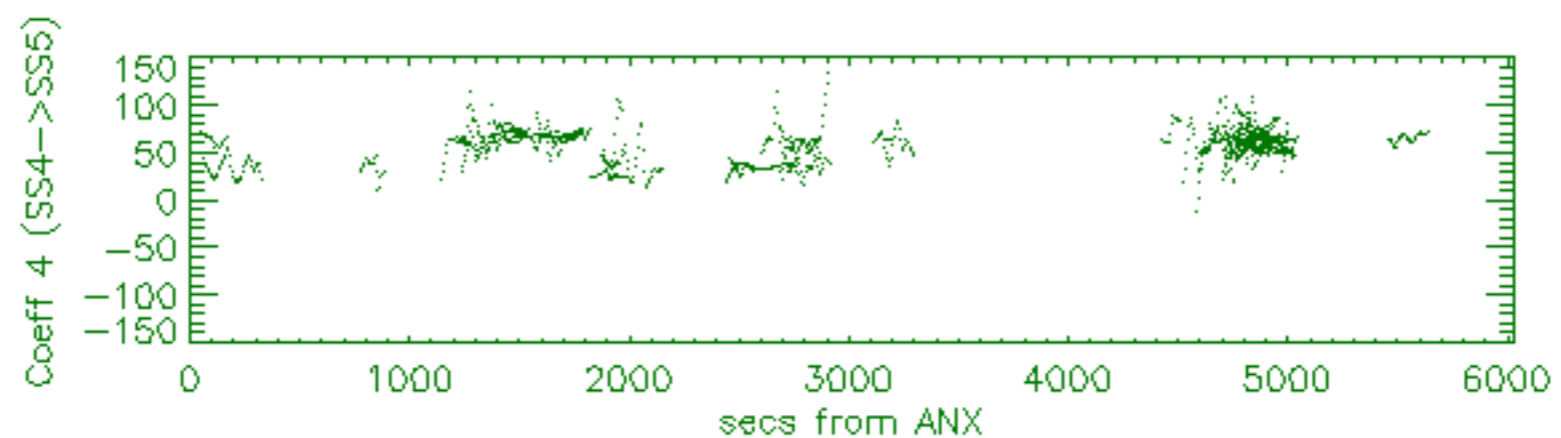
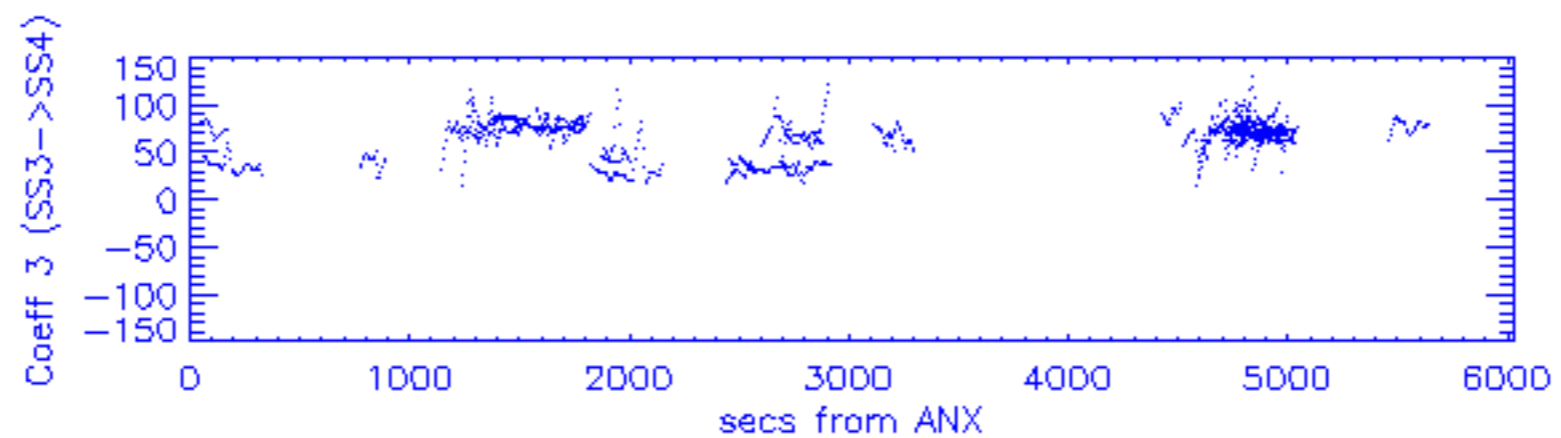
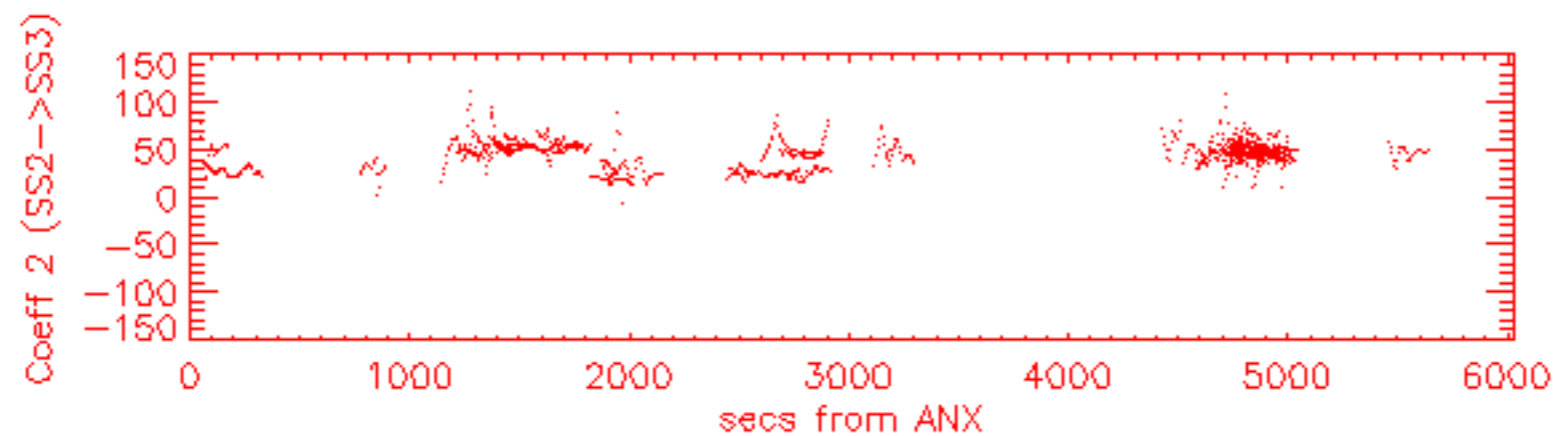
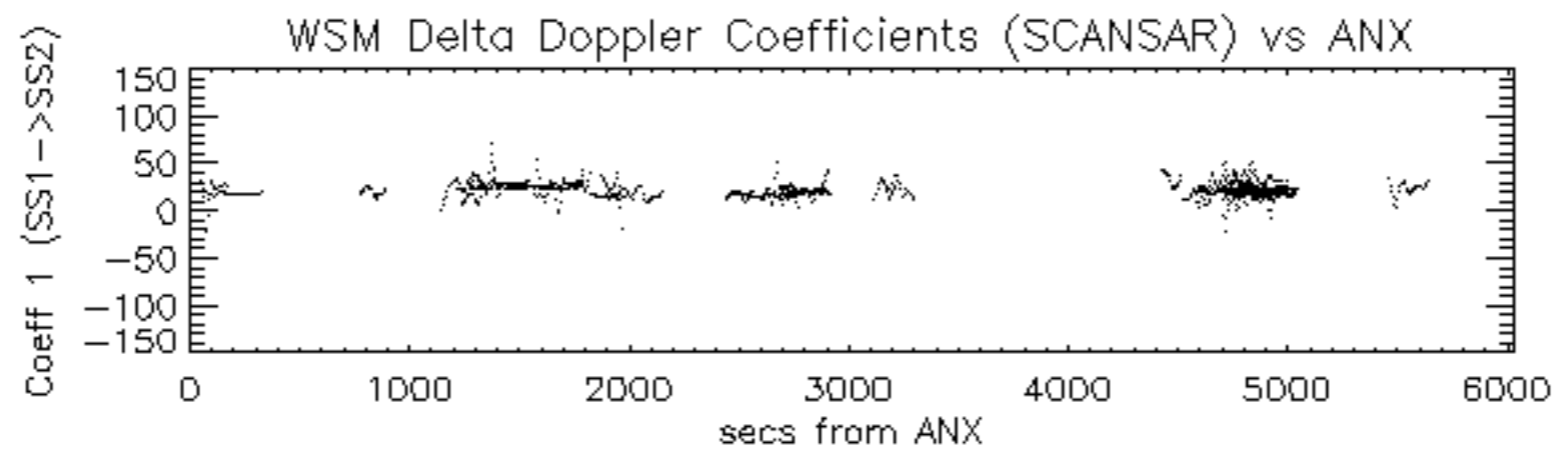


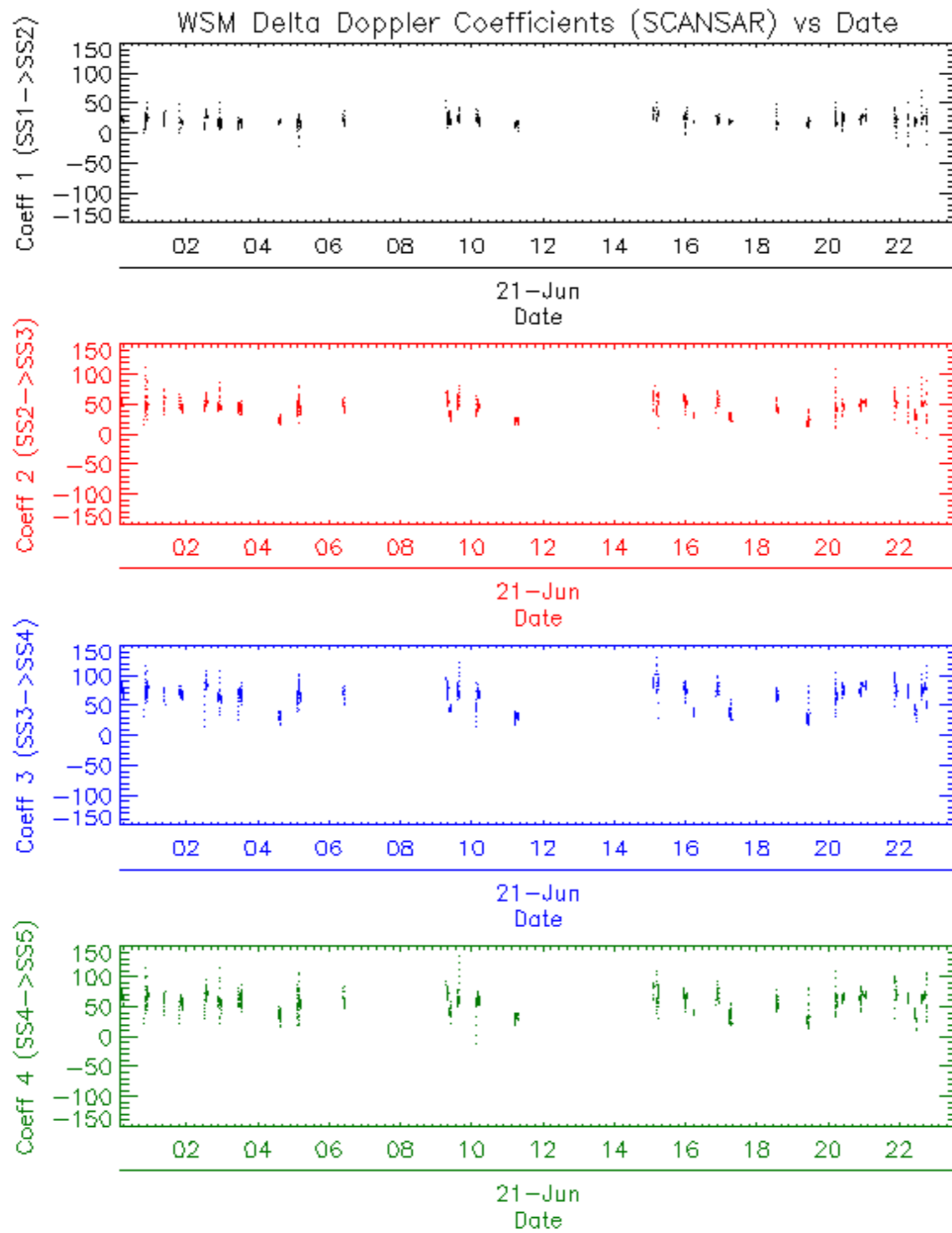


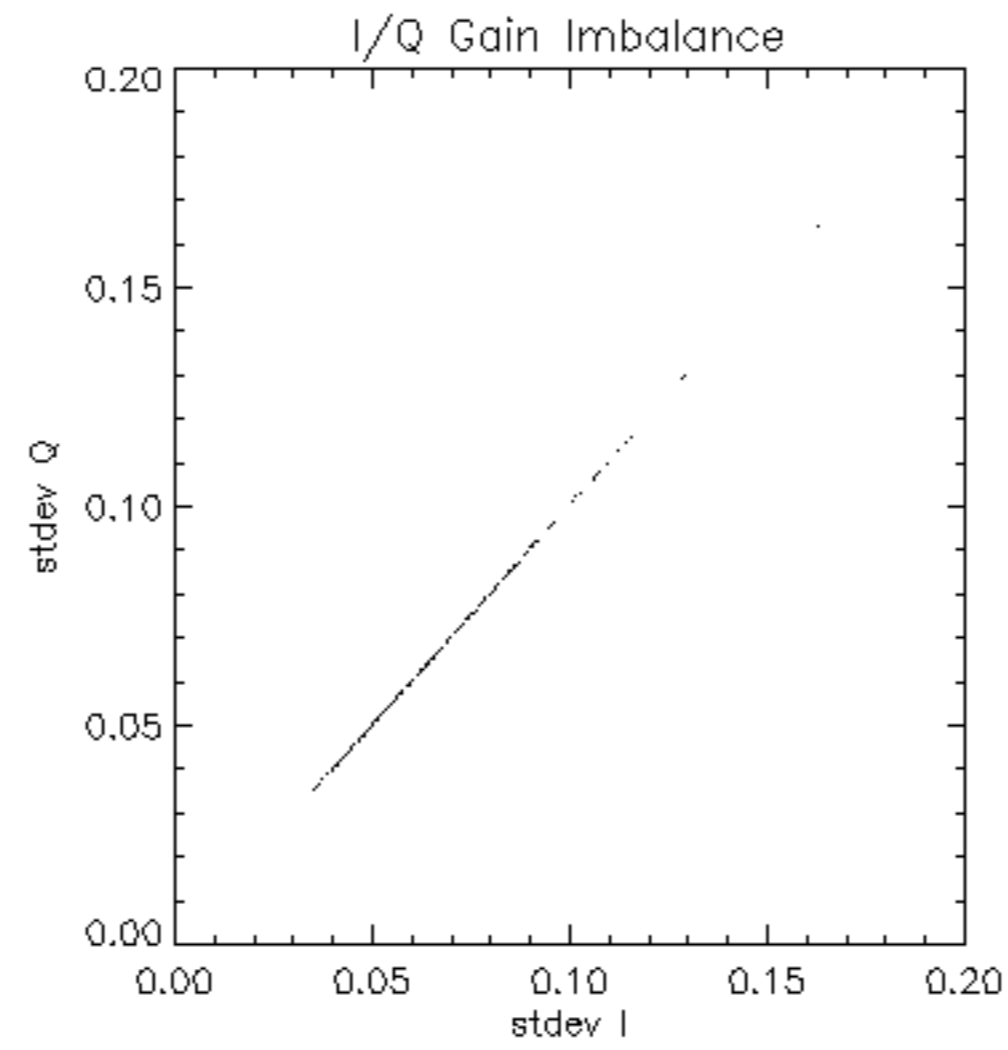


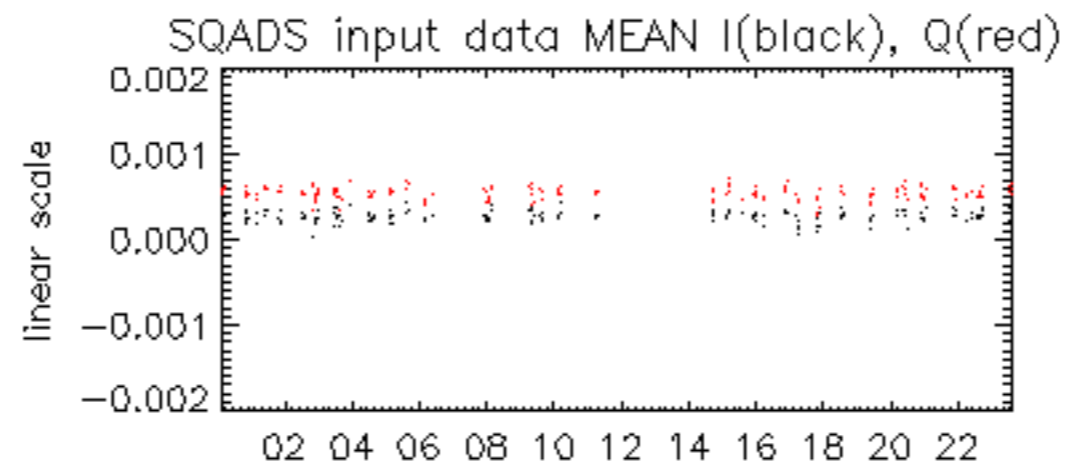




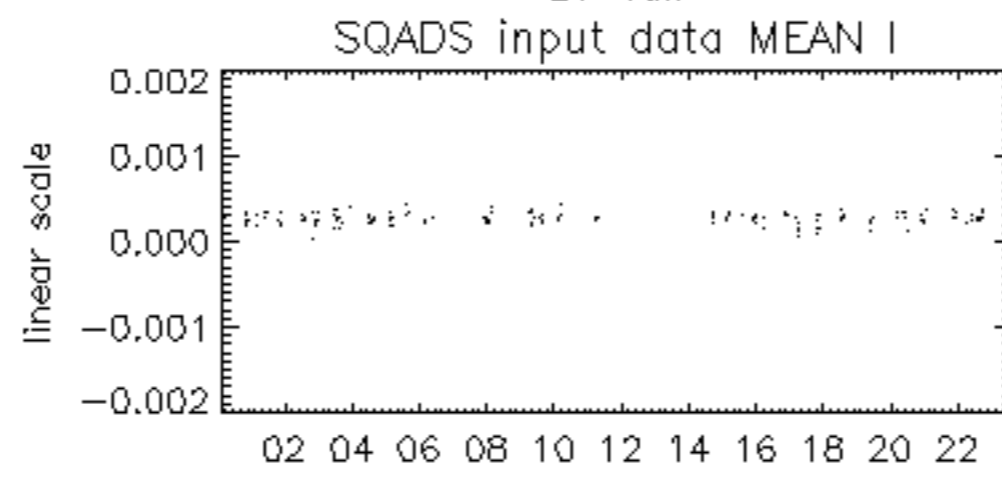




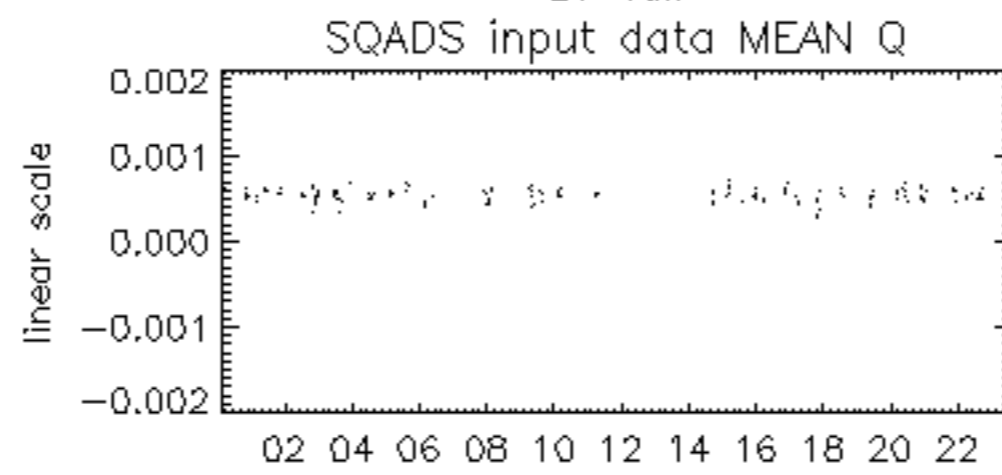




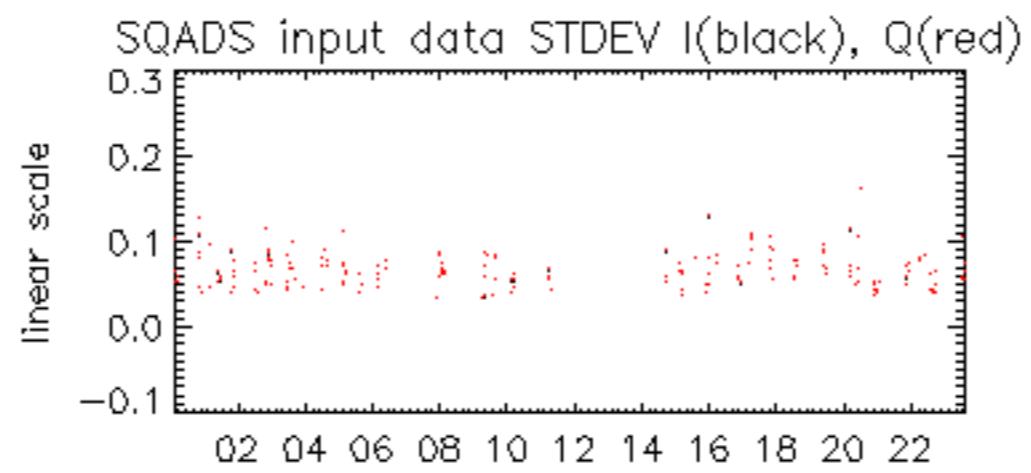
21-Jun



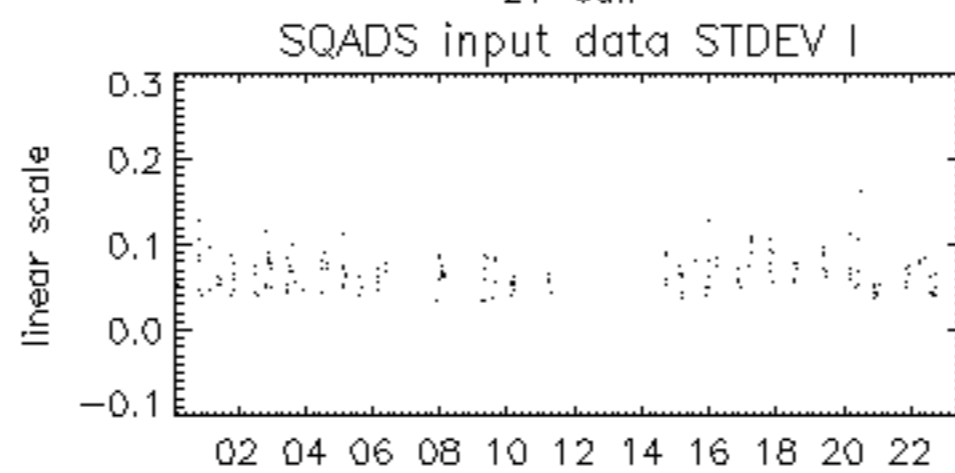
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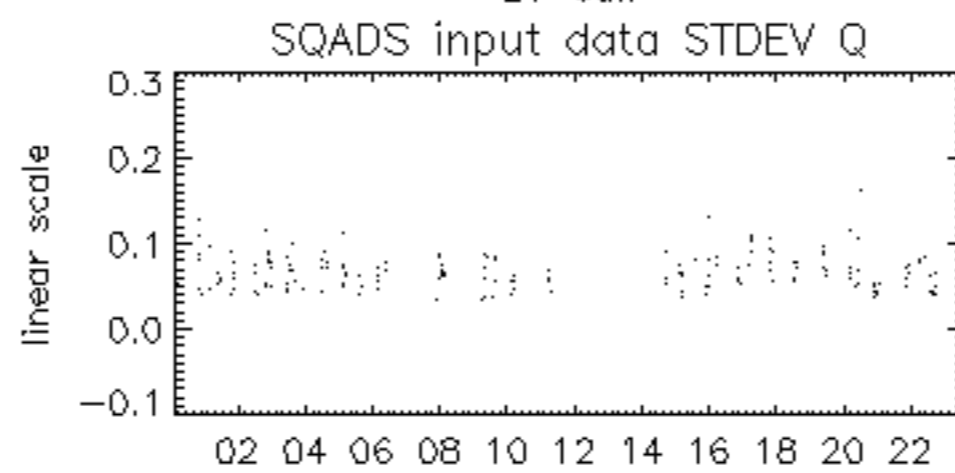
21-Jun



21-Jun



21-Jun



21-Jun

