



Analysis from 31-OCT-2011 00:00:00 to 31-OCT-2011 23:59:59. Page generated on 01-NOV-2011 06:32:19.
View log file: ASAR_Daily_Report_20111101_0631.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	2	PDE	WS	H/H	25	PDE	IS1	V/H	1	PDE	IS2	V/V	2	PDE	WS	H/H	7	PDK	2011-10-31 17:40:29	H	320
PDE	IS2	V/V	26	PDK	WS	H/H	42	PDE	IS4	H/H	3	PDE	IS3	H/H	1	PDE	WS	V/V	4	PDK	2011-10-31 19:20:43	V	320
PDK	IS2	V/V	23					PDE	IS4	V/H	2	PDE	IS6	H/H	4	PDK	WS	H/H	4				
								PDE	IS6	V/H	1	PDK	IS6	H/H	1	PDK	WS	V/V	4				
								PDK	IS1	V/H	2												

1.2 - Lists of products used

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

2 - AUXILIARY FILES ANALYSIS

2.1 - IECF operational ADFs list

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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 : 2011-10-31 19:20:43 V



PREVIOUS PRODUCT REFERENCE

Previous product in the same polarisation

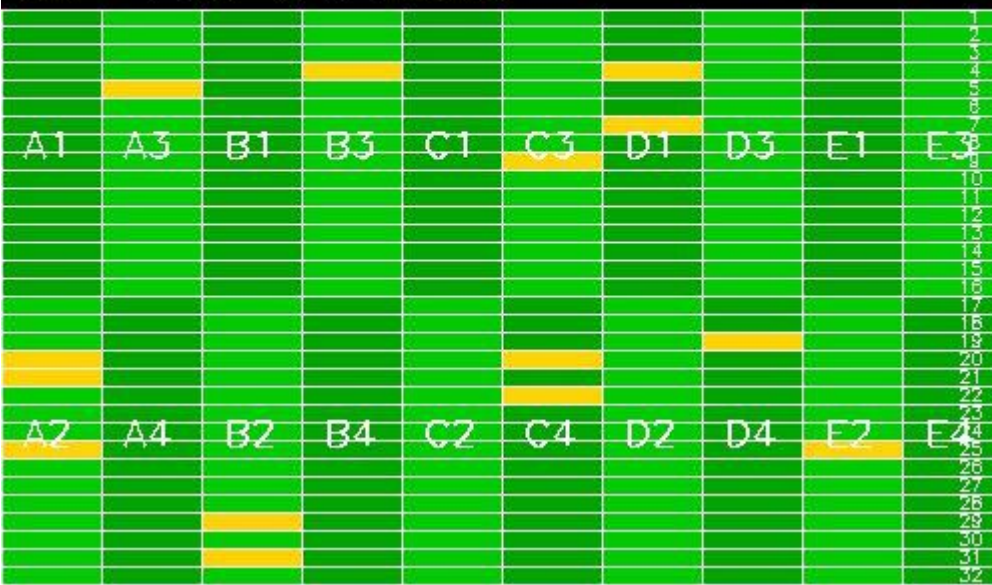
Reference: 2011-10-30 19:57:27 V RxGain
 Test : 2011-10-31 19:20:43 V

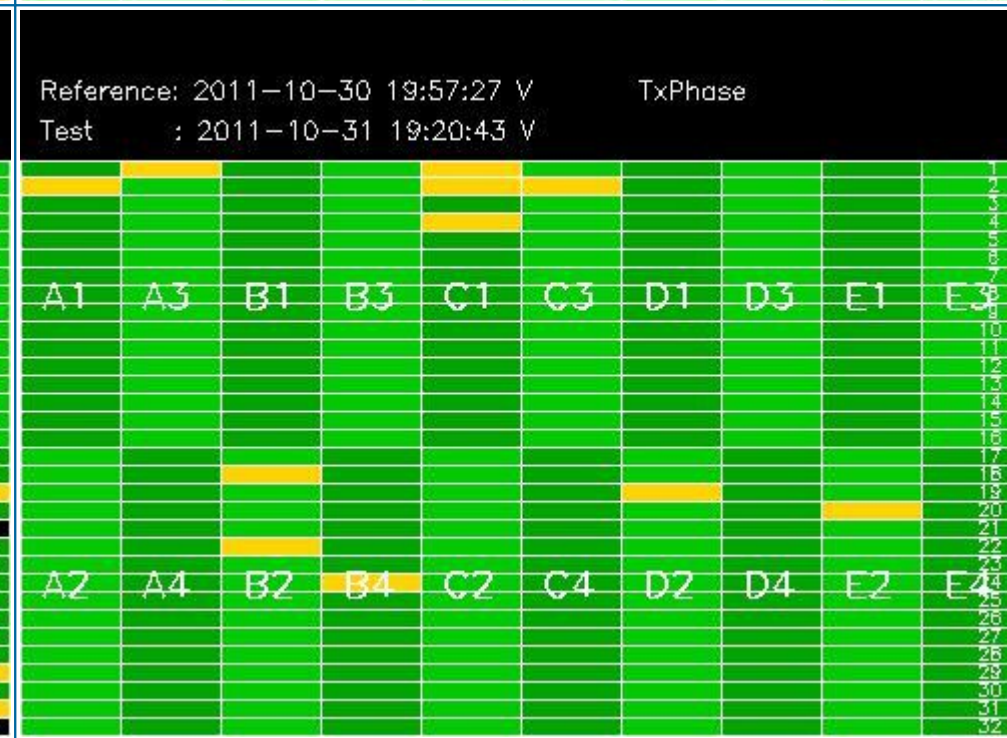
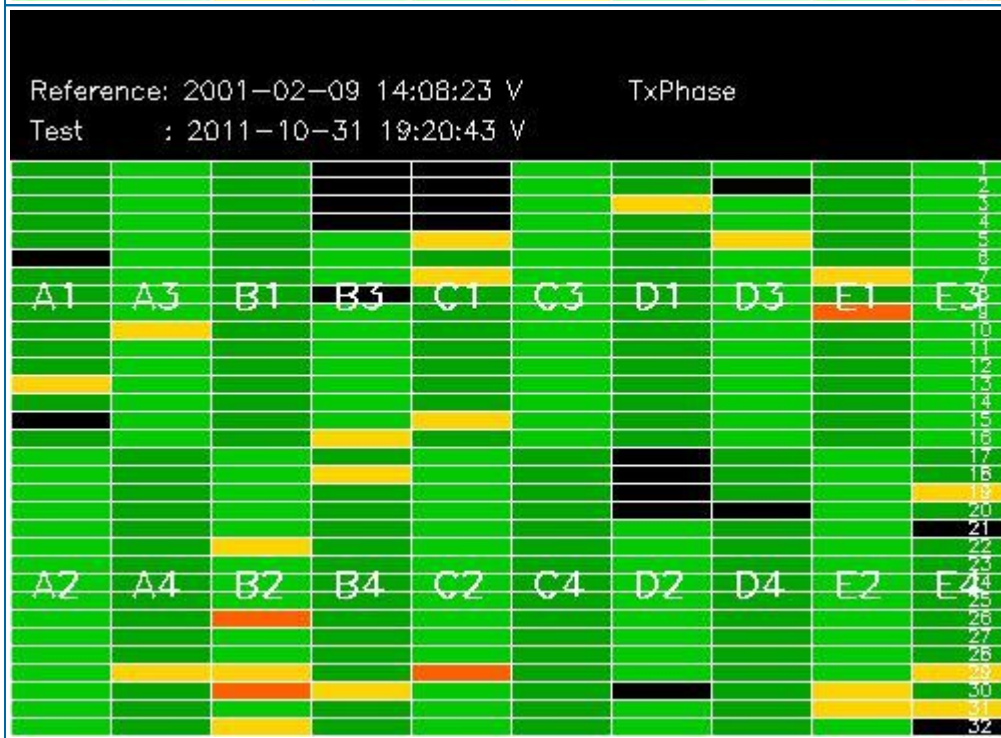
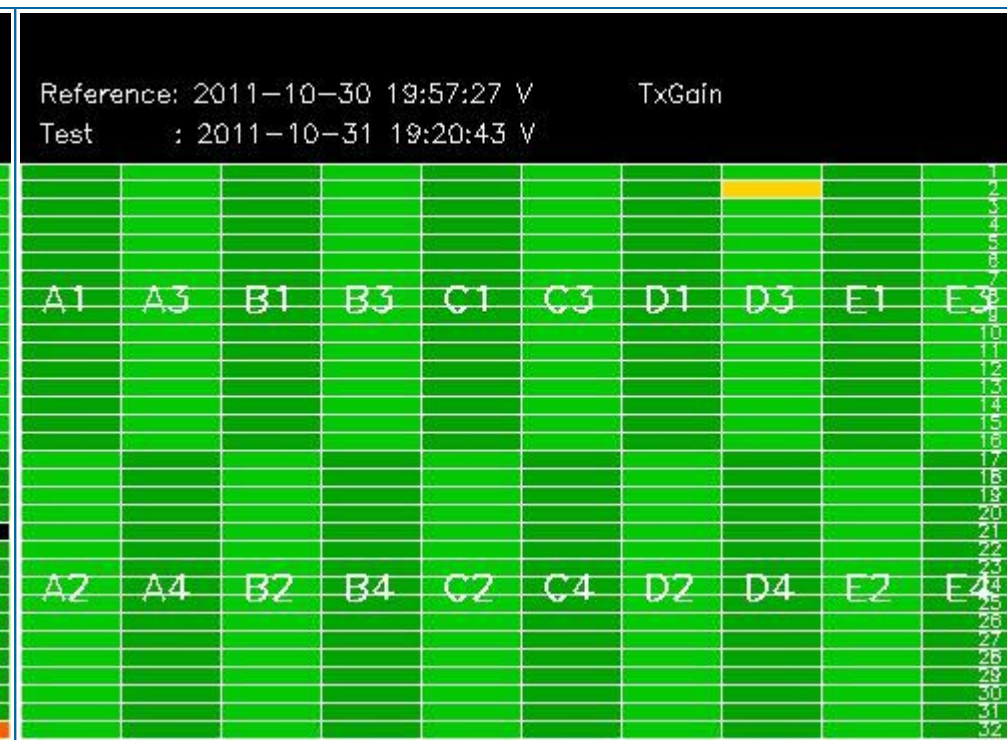
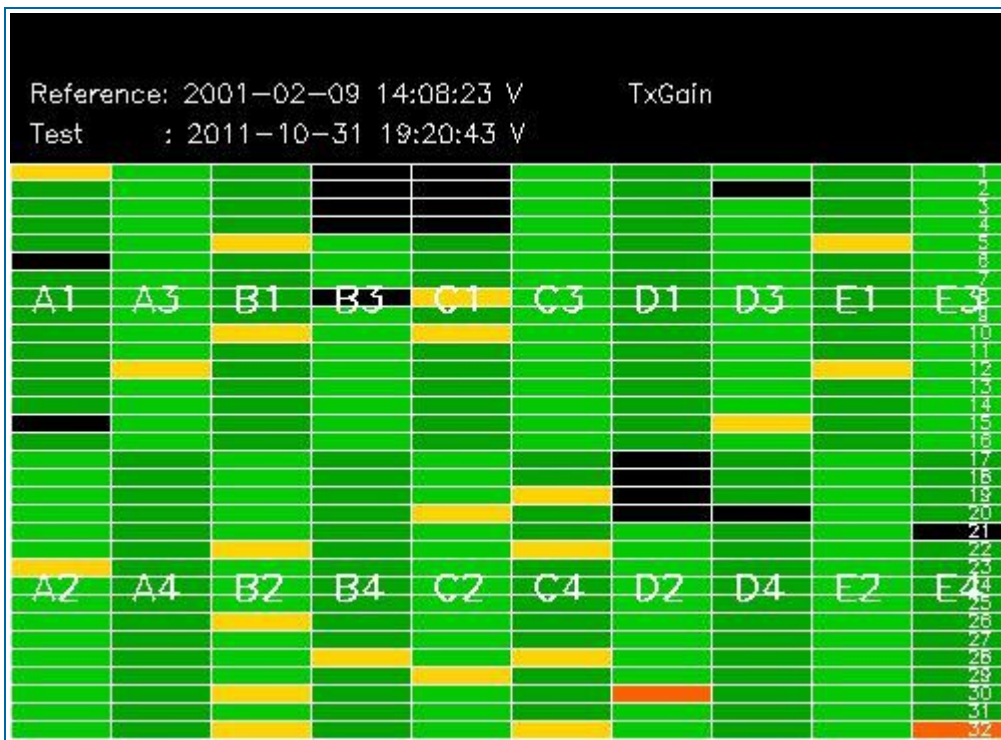


Reference: 2001-02-09 14:08:23 V RxPhase
 Test : 2011-10-31 19:20:43 V



Reference: 2011-10-30 19:57:27 V RxPhase
 Test : 2011-10-31 19:20:43 V





3.2 - H/H polarisation

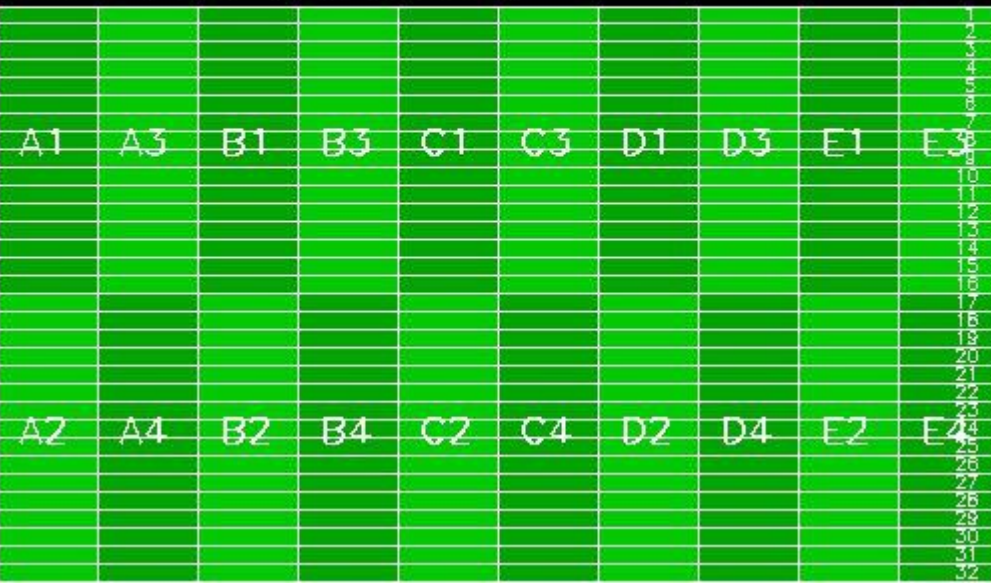
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SECOND FIXED REFERENCE	PREVIOUS PRODUCT REFERENCE
Pre-launch reference (2001-02-09)	Previous product in the same polarisation

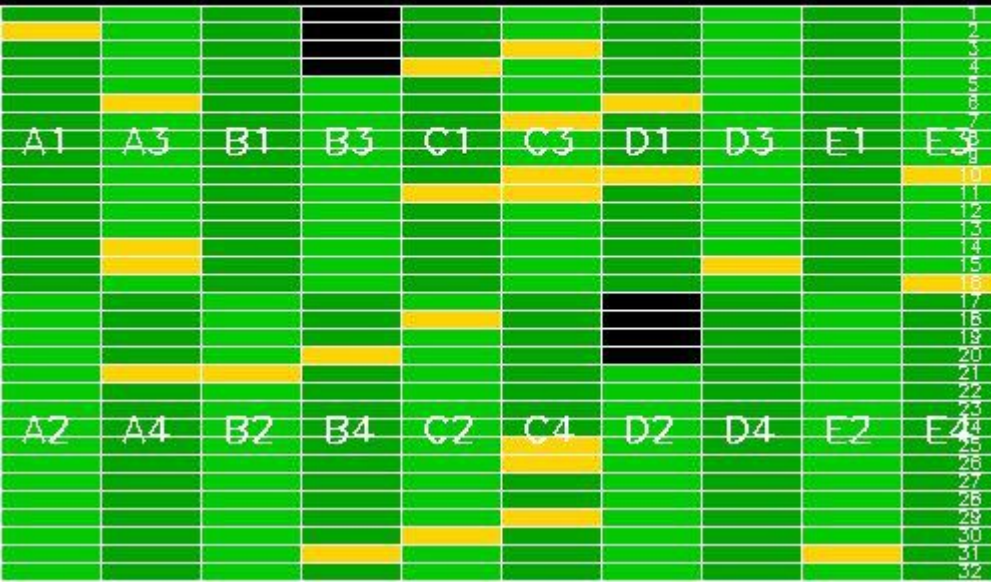
Reference: 2001-02-09 13:50:42 H RxGain
 Test : 2011-10-31 17:40:29 H



Reference: 2011-10-30 18:17:13 H RxGain
 Test : 2011-10-31 17:40:29 H



Reference: 2001-02-09 13:50:42 H RxPhase
 Test : 2011-10-31 17:40:29 H



Reference: 2011-10-30 18:17:13 H RxPhase
 Test : 2011-10-31 17:40:29 H





4 - CALIBRATION PULSES ANALYSIS

4.1 - Analysis for WVS IS2 V/V

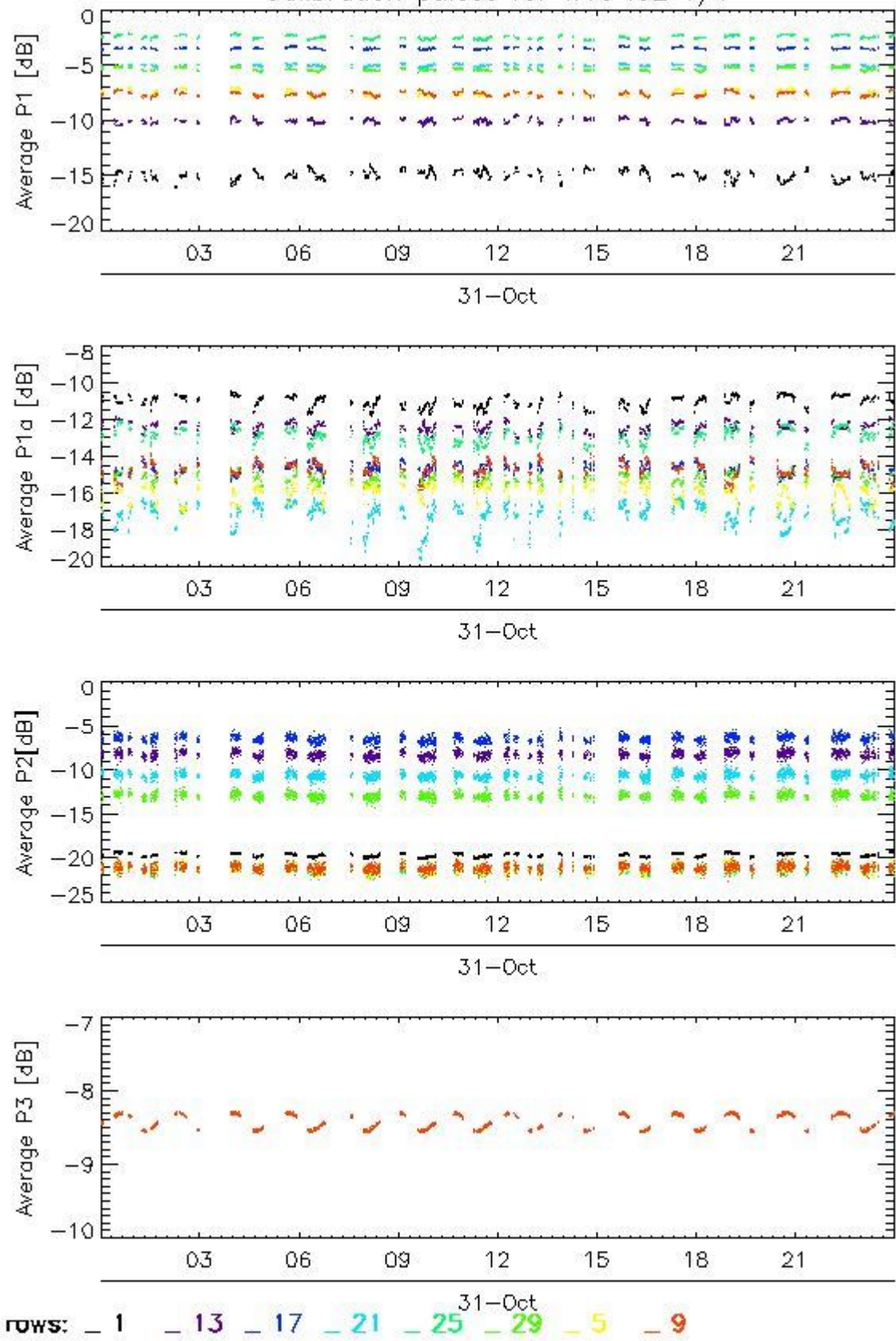
4.1.1 - Temporal Evolution Analysis for WVS IS2 V/V

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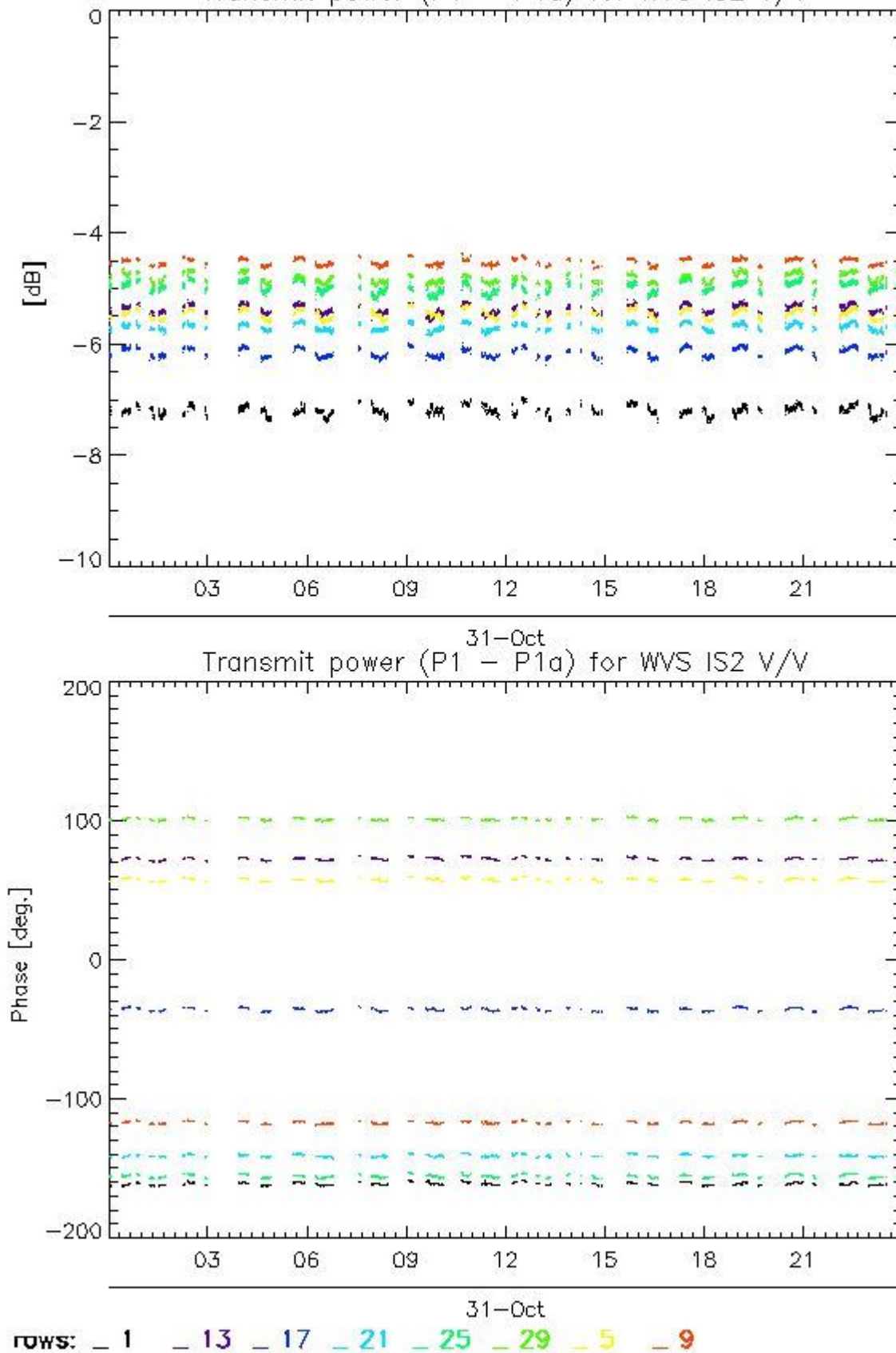
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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

Calibration pulses for WVS IS2 V/V



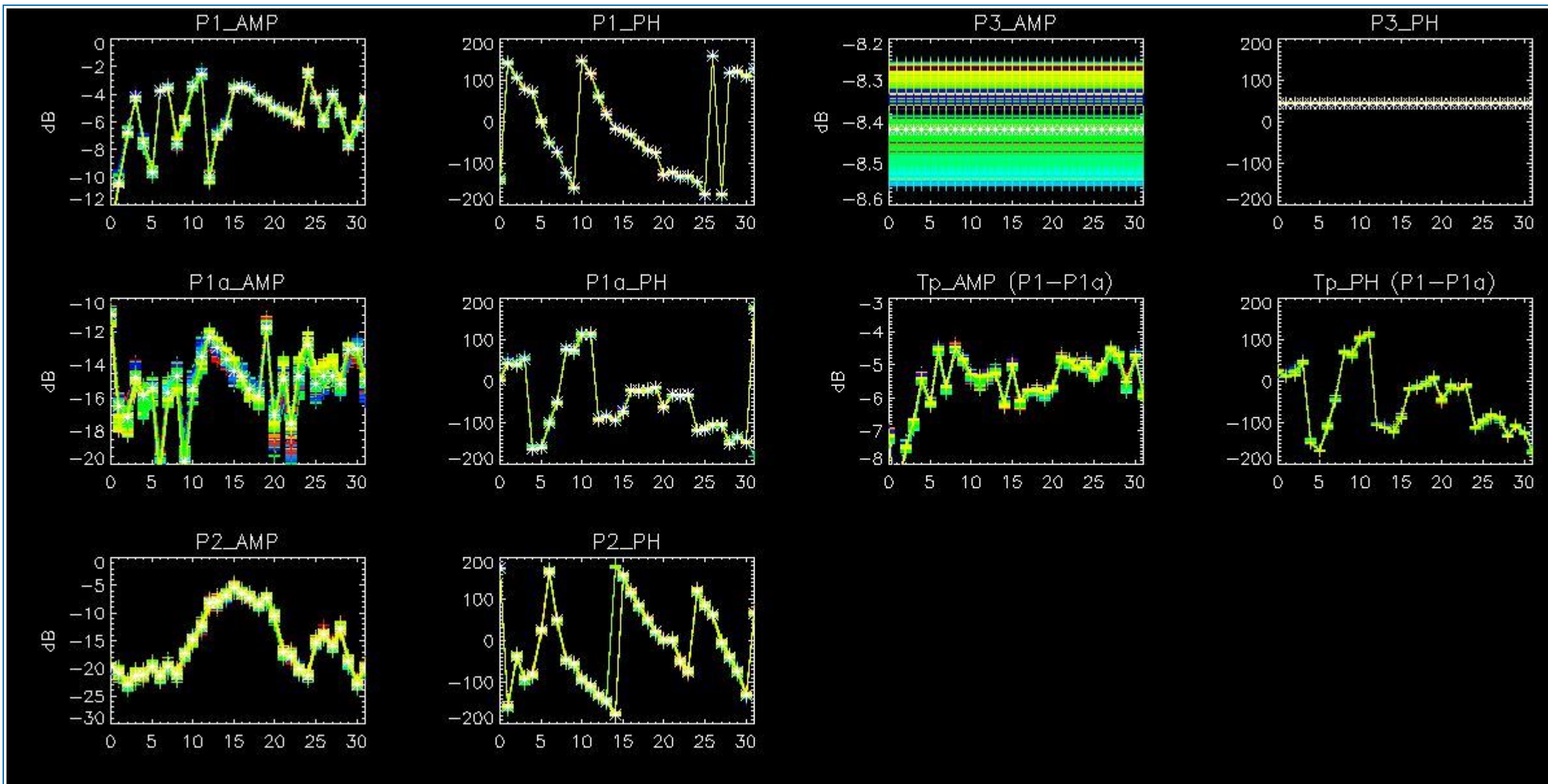
Transmit power (P1 - P1a) for WVS IS2 V/V



4.1.2 - All Rows Analysis for WVS IS2 V/V

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4.2 - Analysis for GM1 SS3 H/H

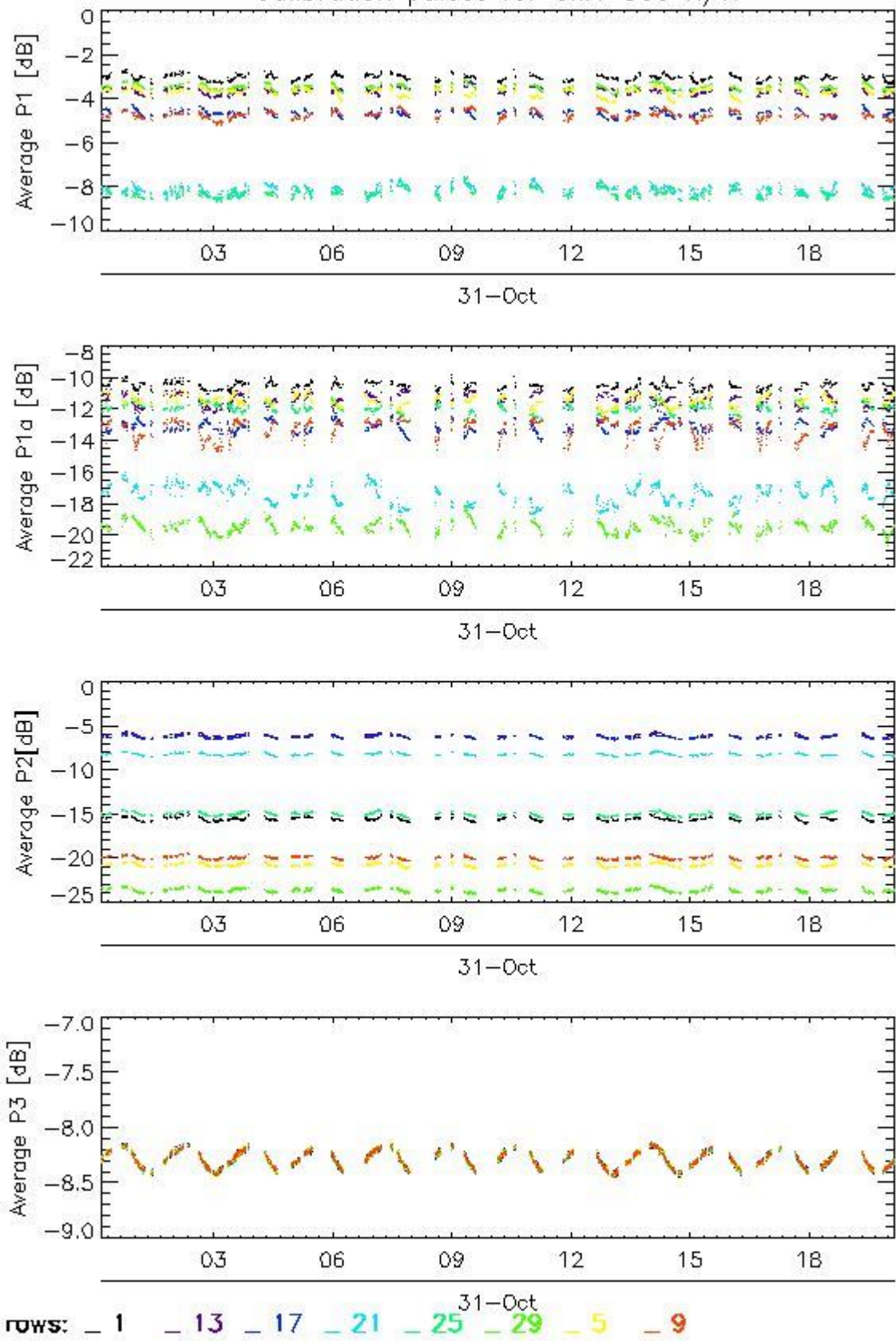
4.2.1 - Temporal Evolution Analysis for GM1 SS3 H/H

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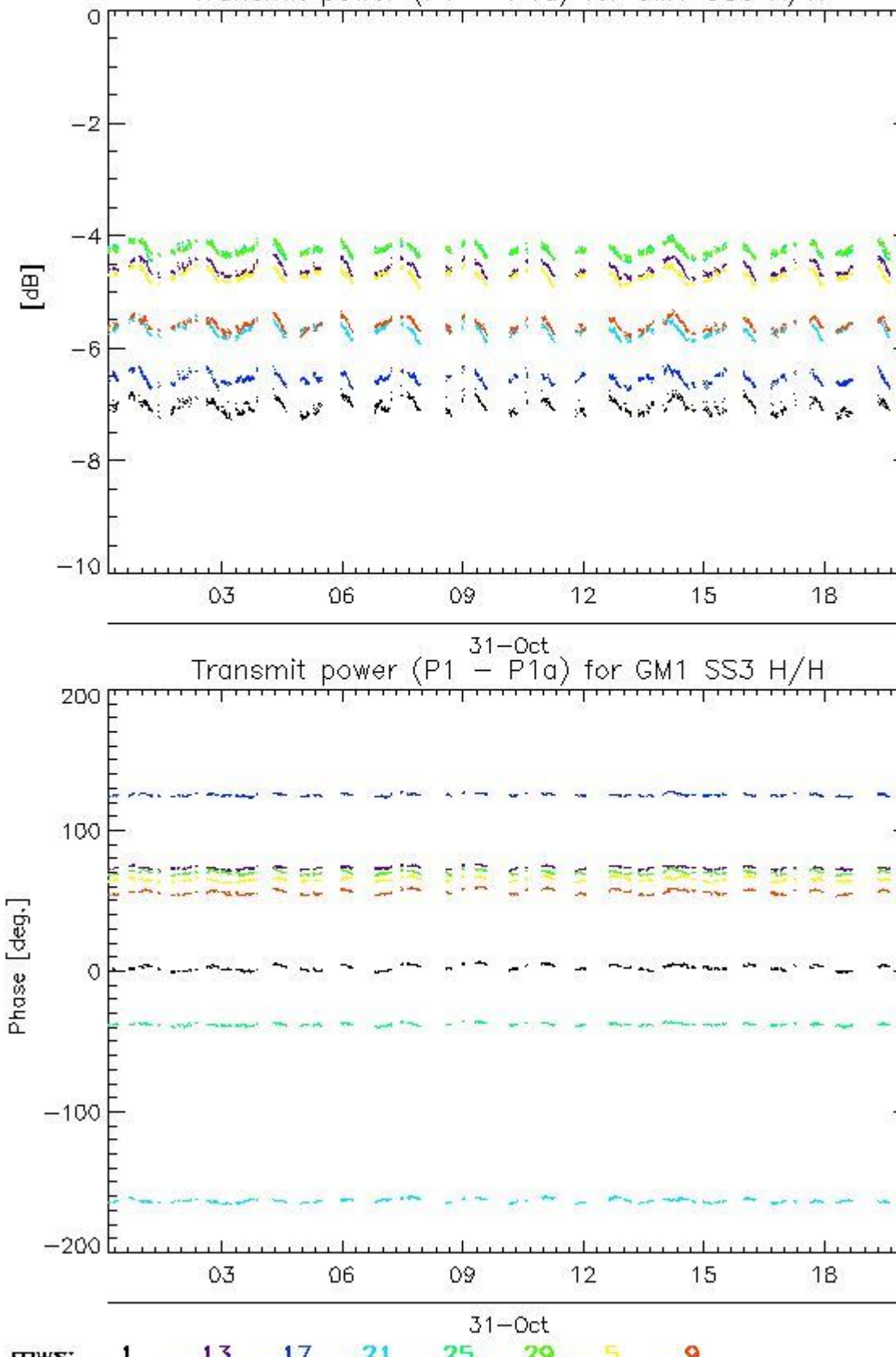
Rows: [2/6/10/14/18/22/26/30] [3/7/11/15/19/23/27/31] [4/8/12/16/20/24/28/32]

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



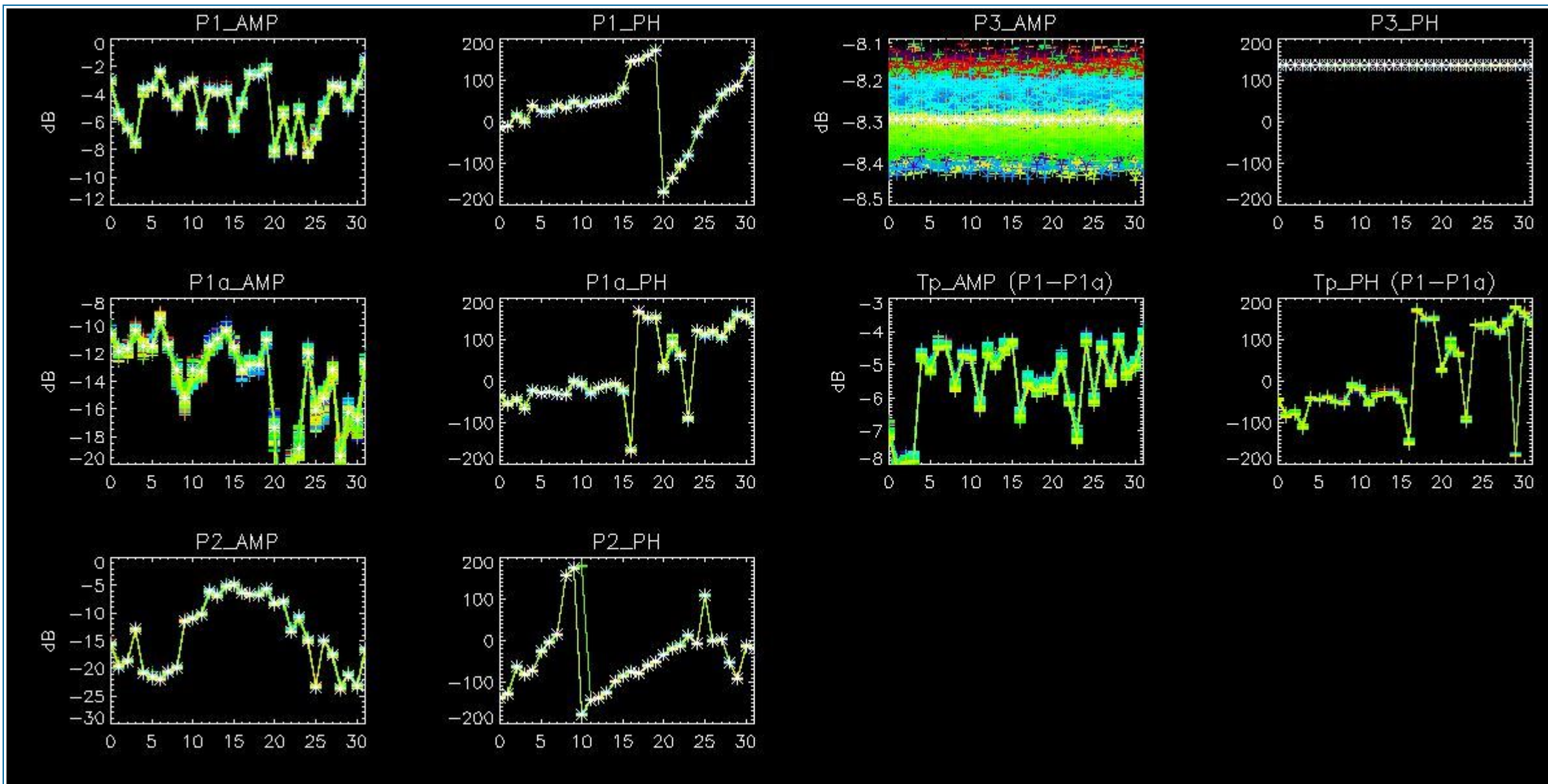
Transmit power (P1 - P1a) for GM1 SS3 H/H



4.2.2 - All Rows Analysis for GM1 SS3 H/H

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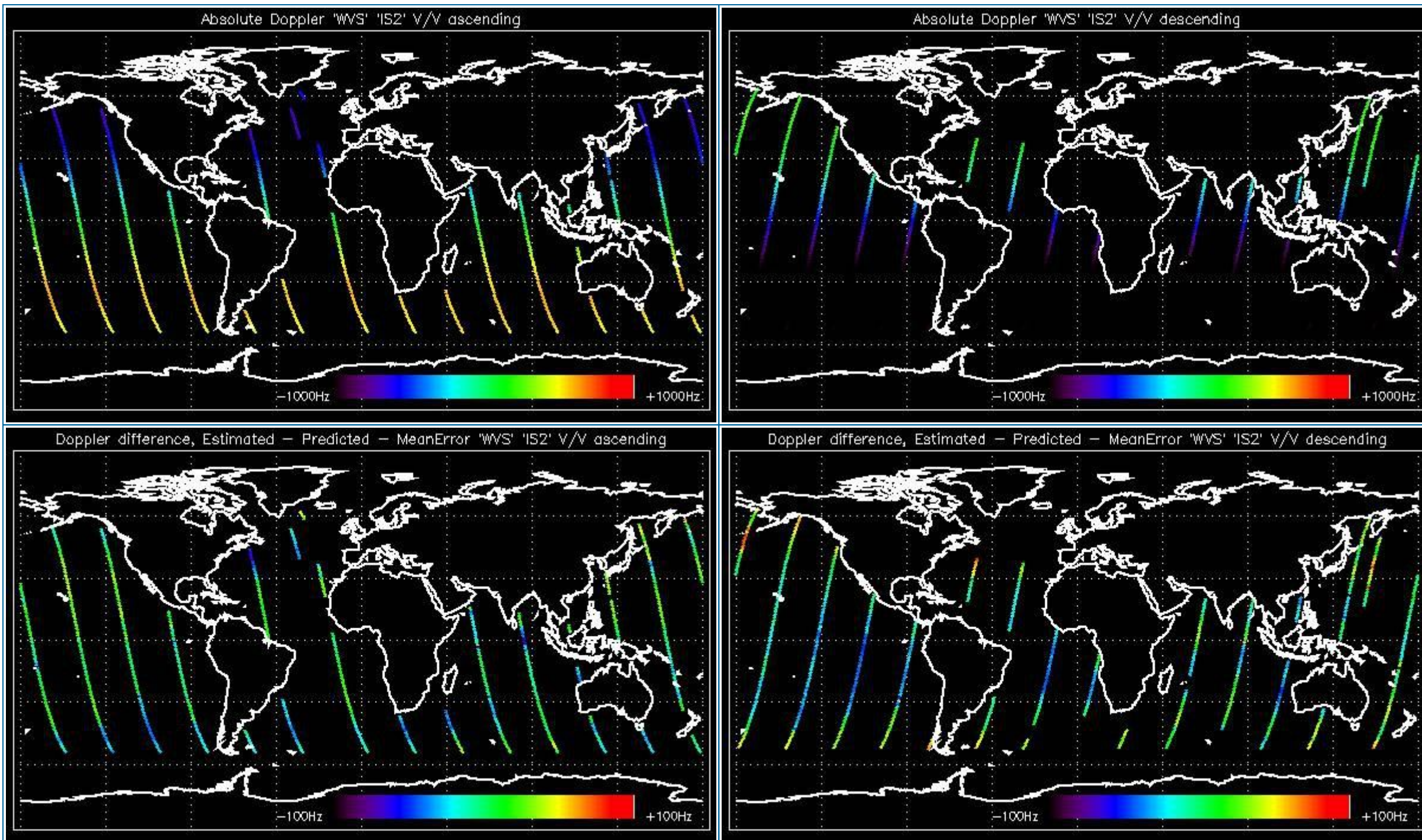
5 - DOPPLER ANALYSIS

5.1 - Analysis for WVS IS2 V/V

5.1.1 - Doppler MAP Analysis for WVS IS2 V/V

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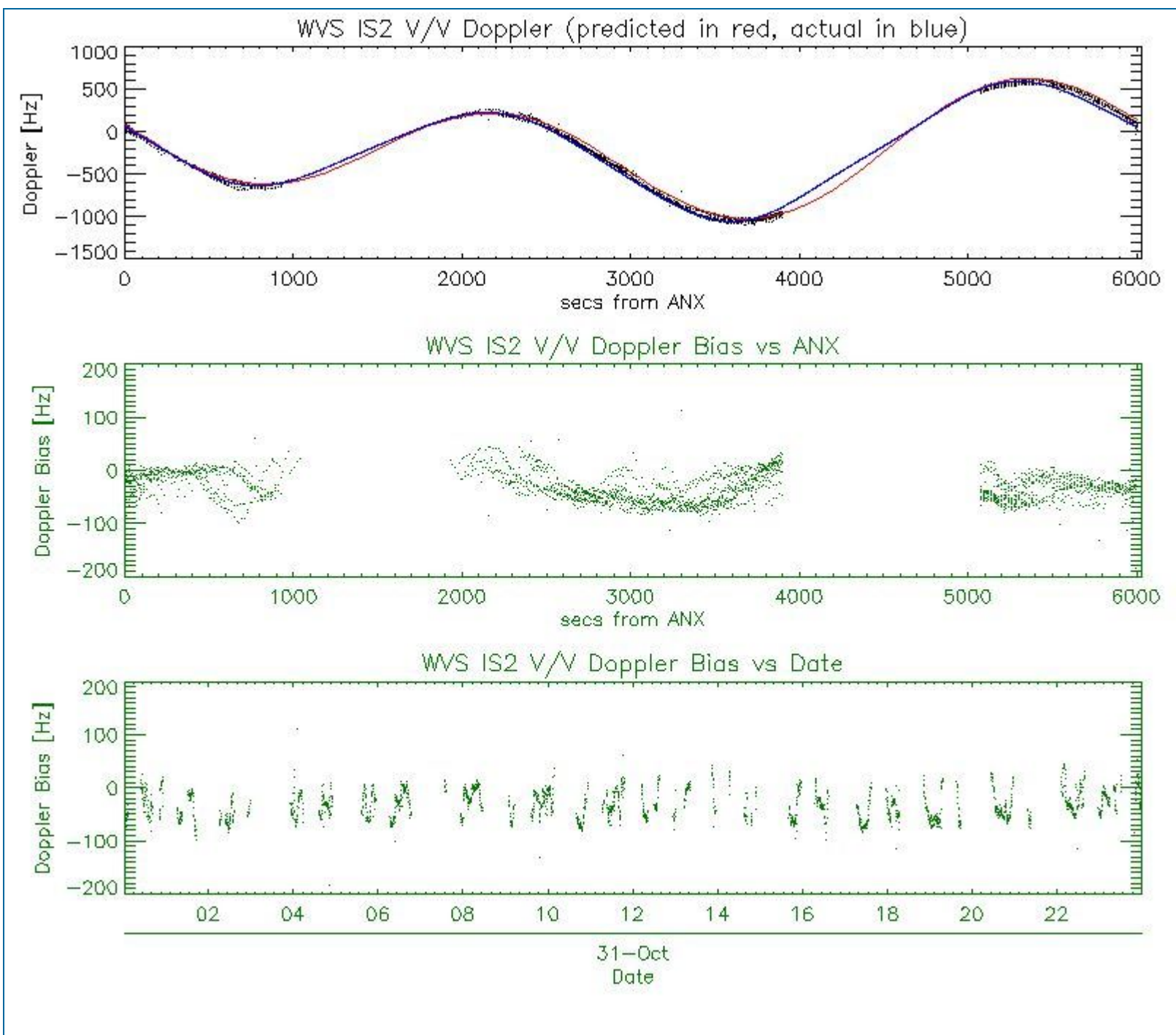




5.1.2 - Doppler ANX Analysis for WVS IS2 V/V

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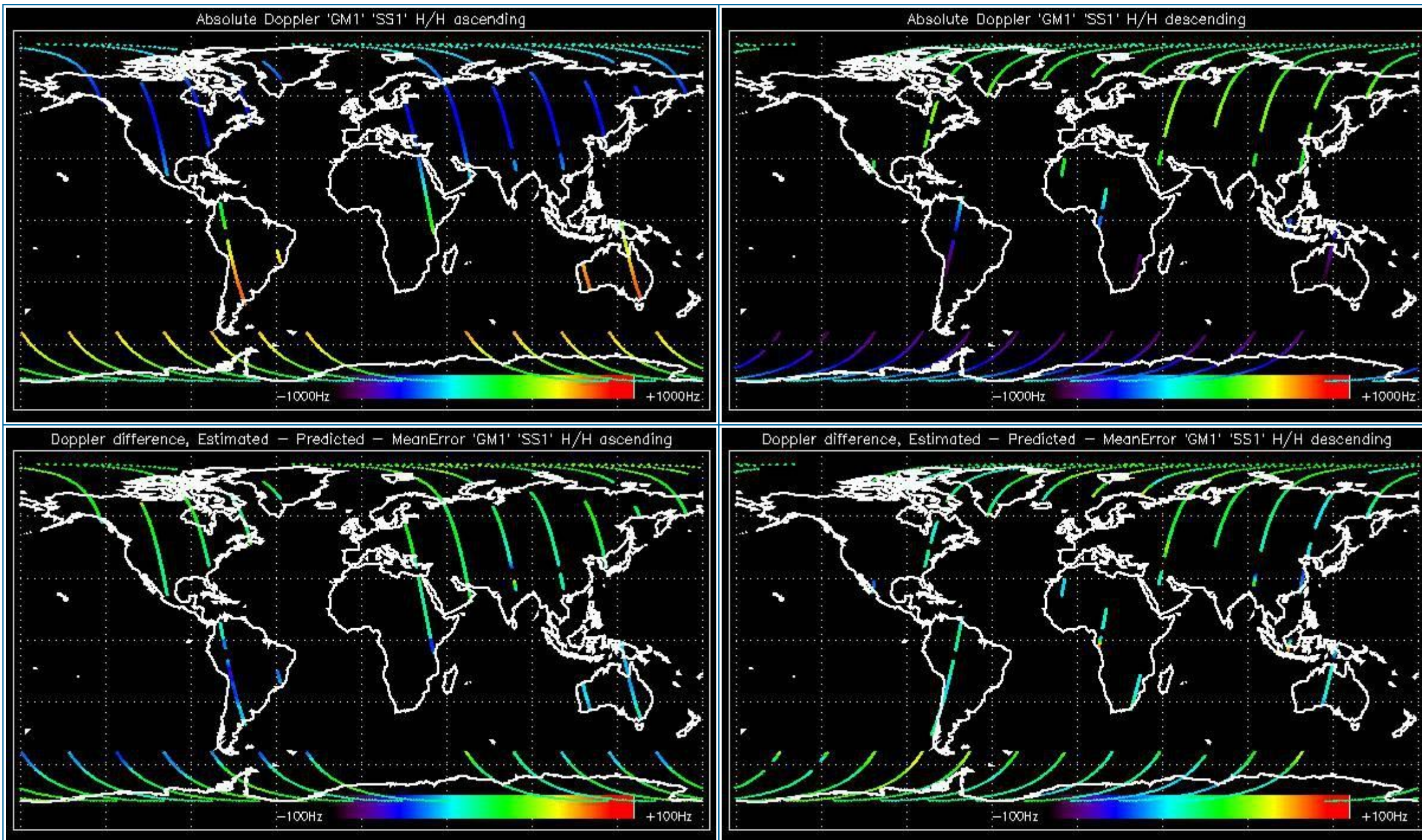


5.2 - Analysis for GM1 SS1 H/H

5.2.1 - Doppler MAP Analysis for GM1 SS1 H/H

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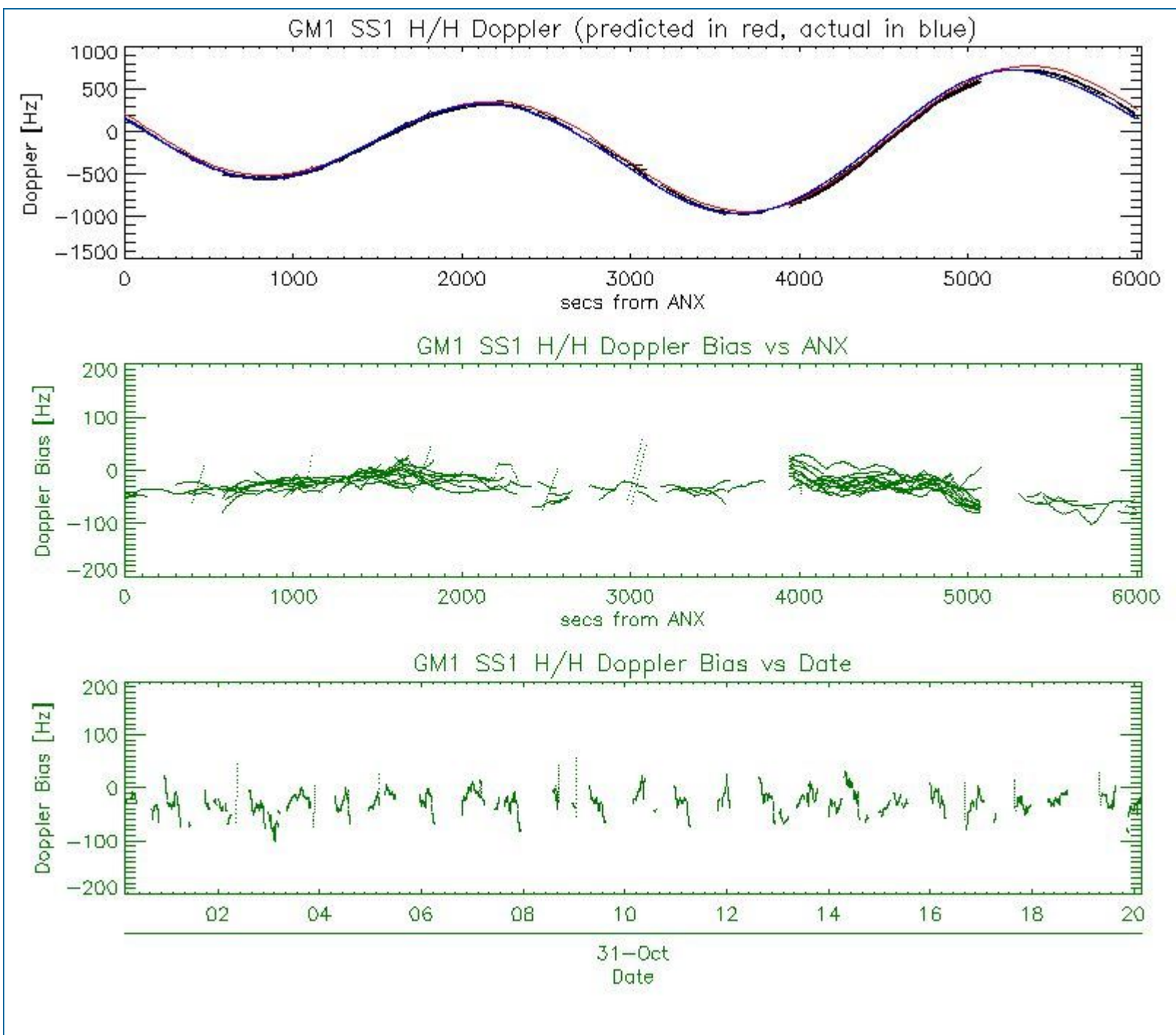




5.2.2 - Doppler ANX Analysis for GM1 SS1 H/H

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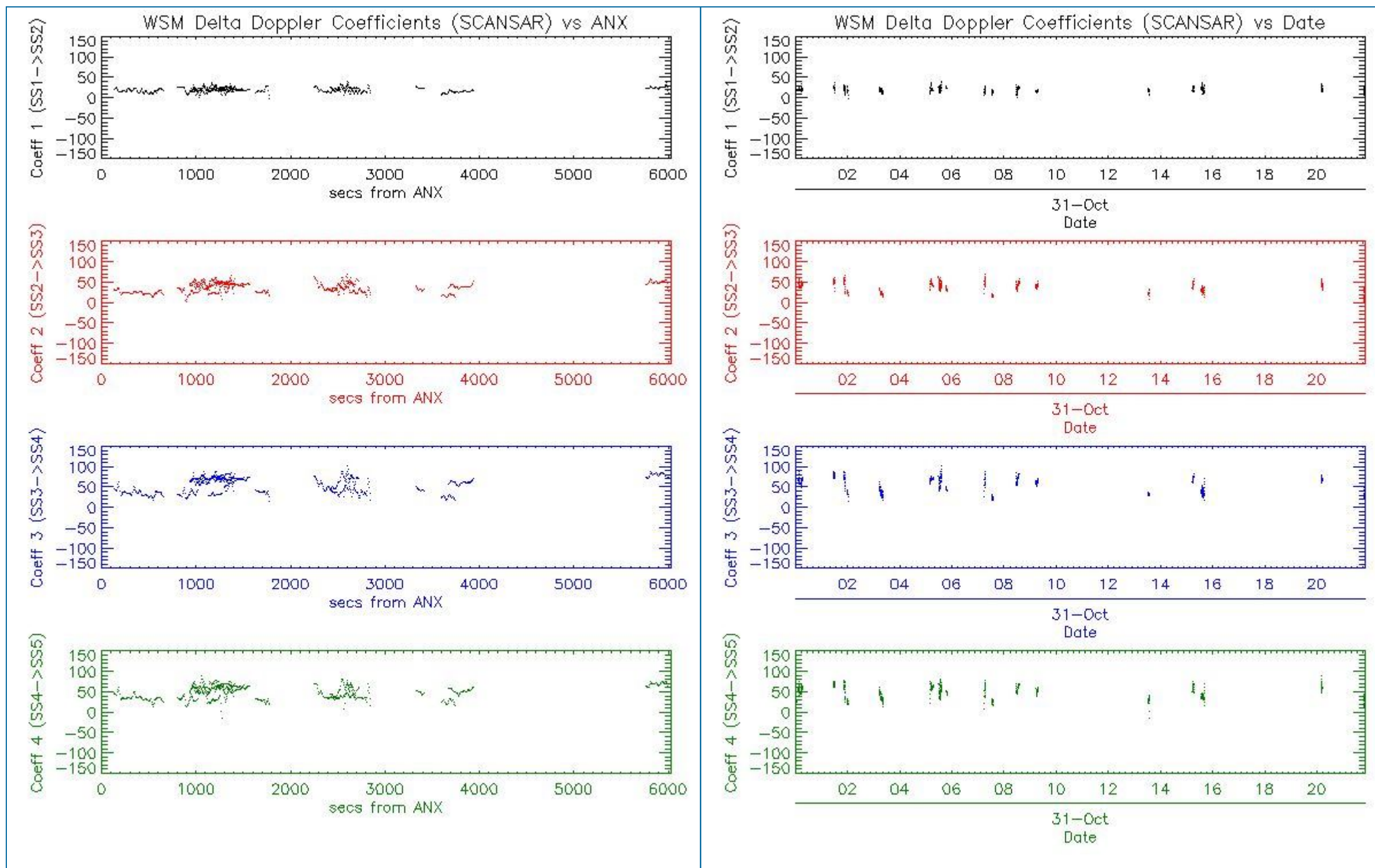




5.3 - Doppler JUMPS Analysis for WSM

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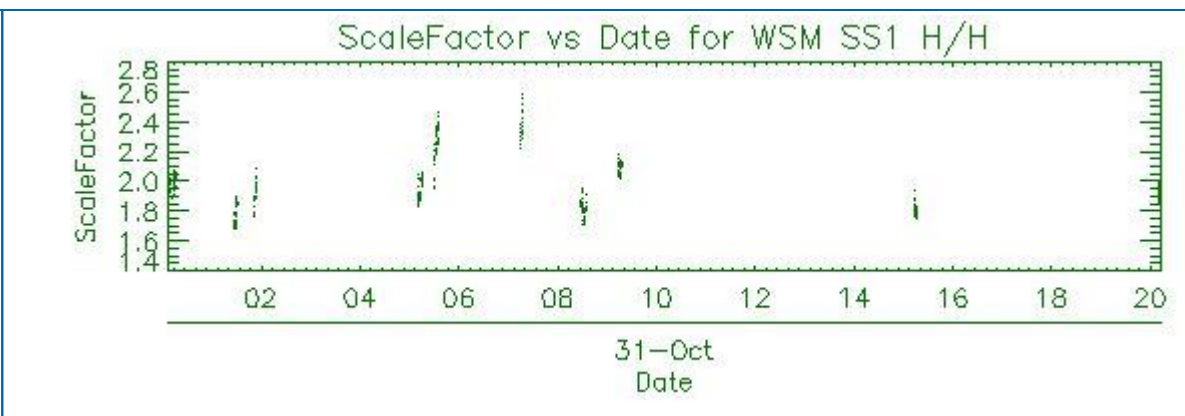
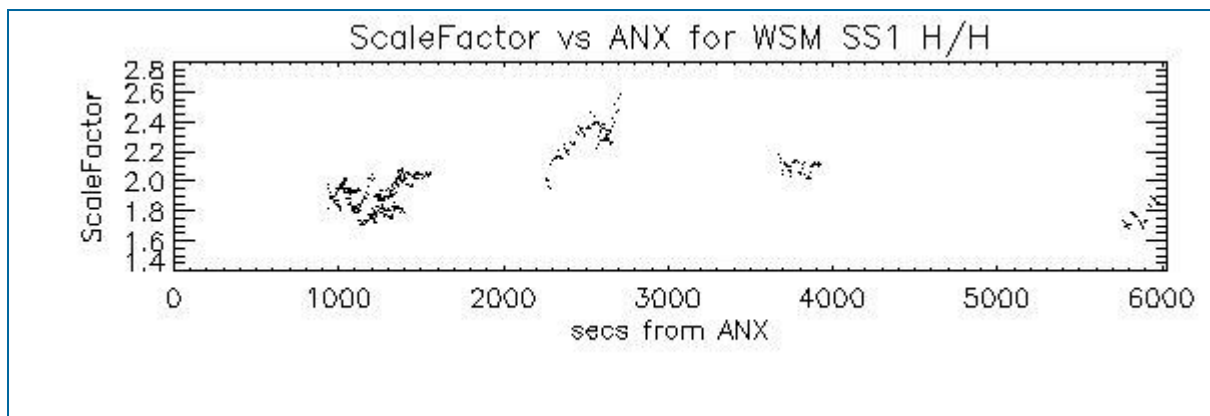
6 - CHIRP ANALYSIS

6.1 - Analysis for WSM SS1 H/H

6.1.1 - ScaleFactor

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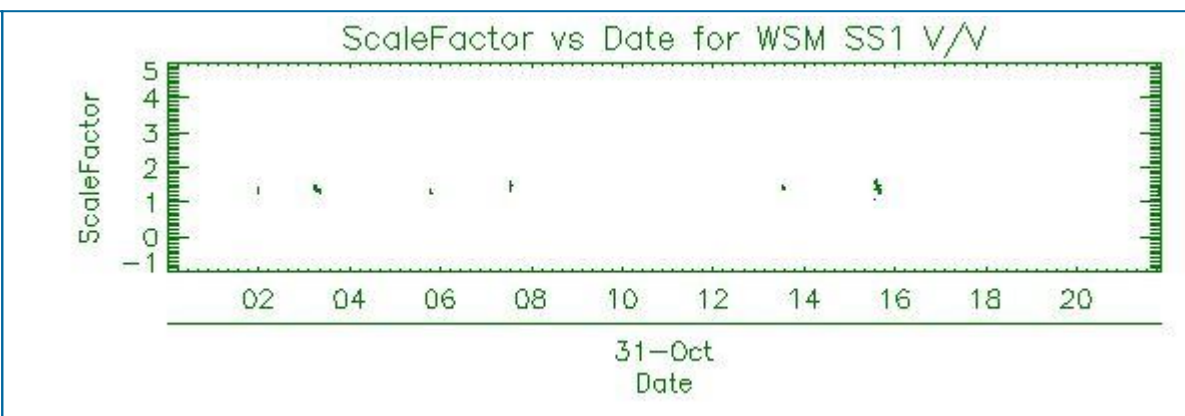
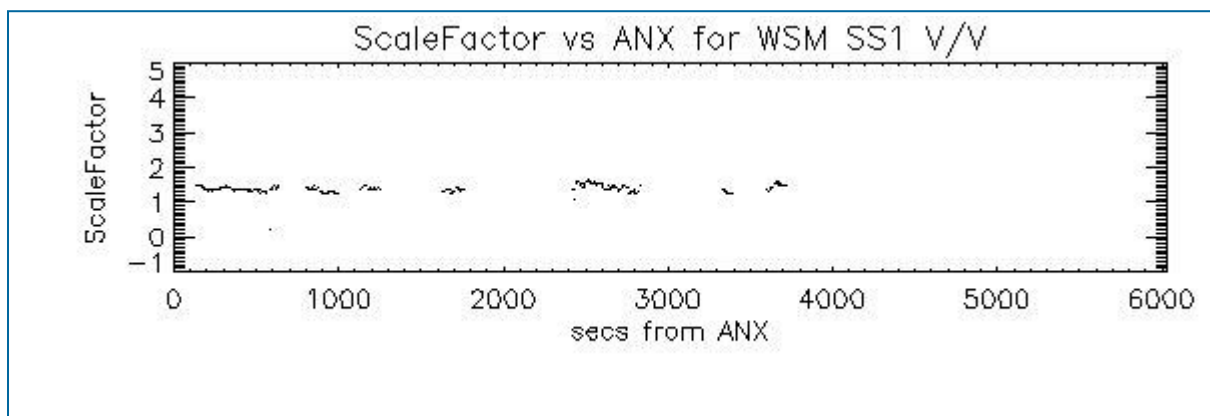




6.2 - Analysis for WSM SS1 V/V

6.2.1 - ScaleFactor

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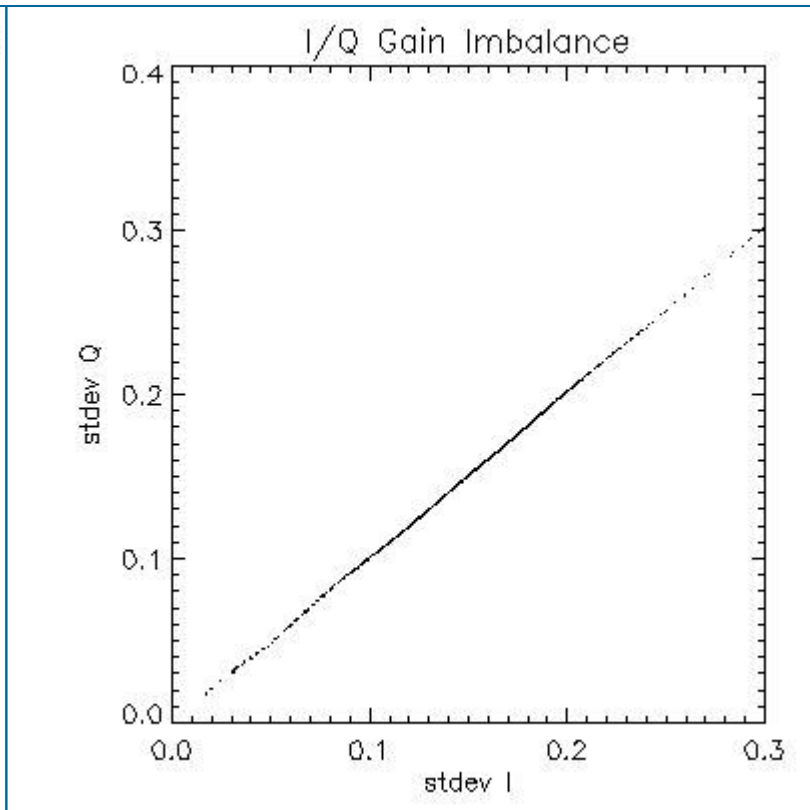
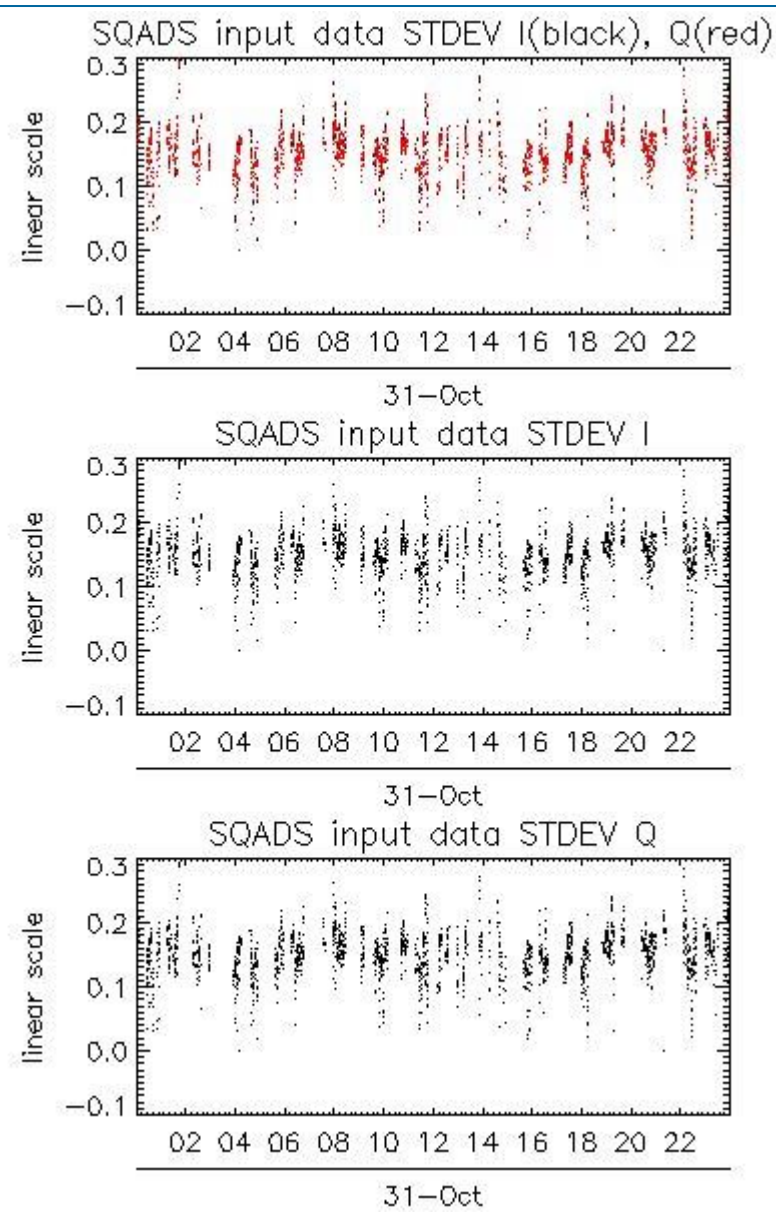
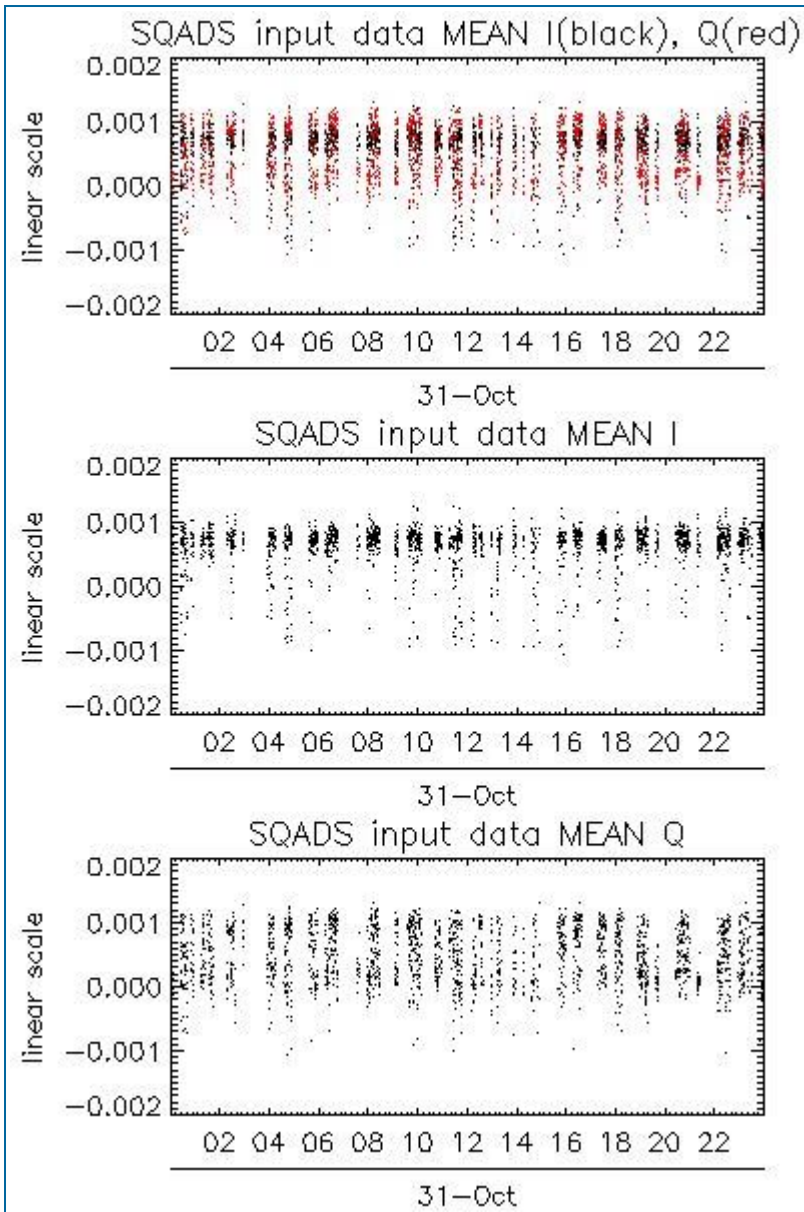


7 - RAW DATA ANALYSIS

7.1 - Analysis for WVS

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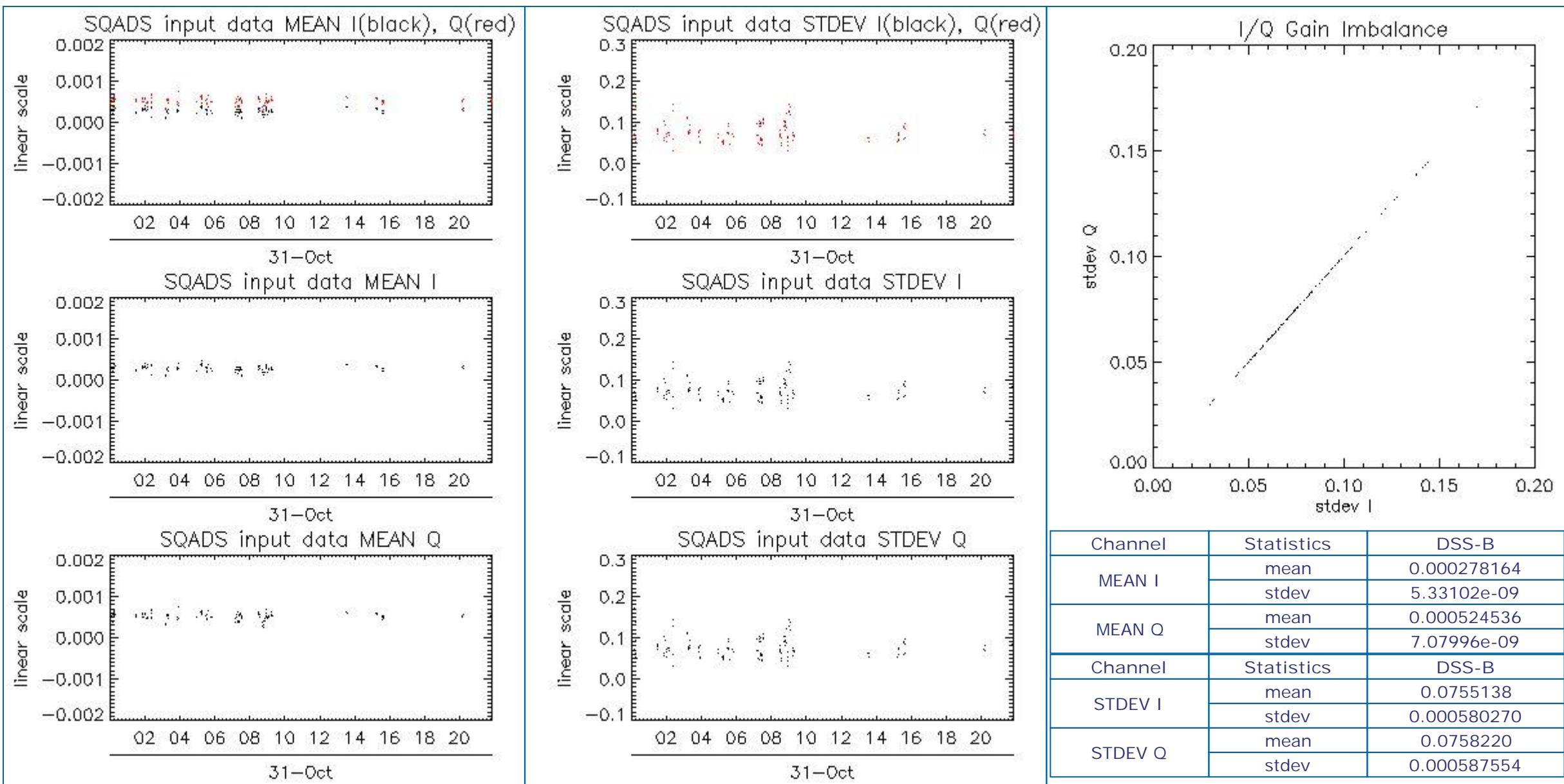


Channel	Statistics	DSS-B
MEAN I	mean	0.000631664
	stdev	1.17364e-07
MEAN Q	mean	0.000492903
	stdev	1.84164e-07
Channel	Statistics	DSS-B
STDEV I	mean	0.151016
	stdev	0.00127696
STDEV Q	mean	0.151596
	stdev	0.00130354

7.2 - Analysis for IMM

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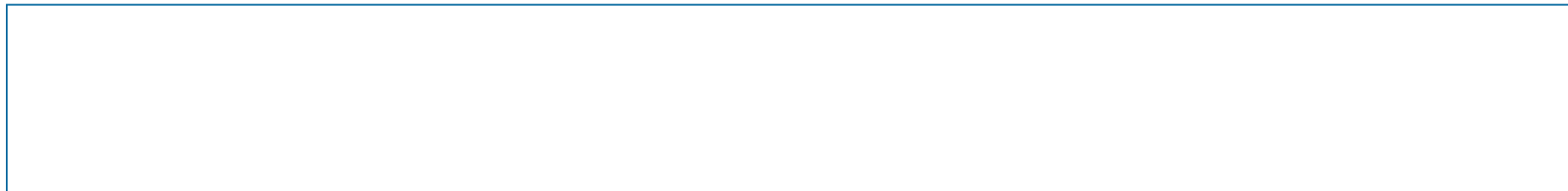


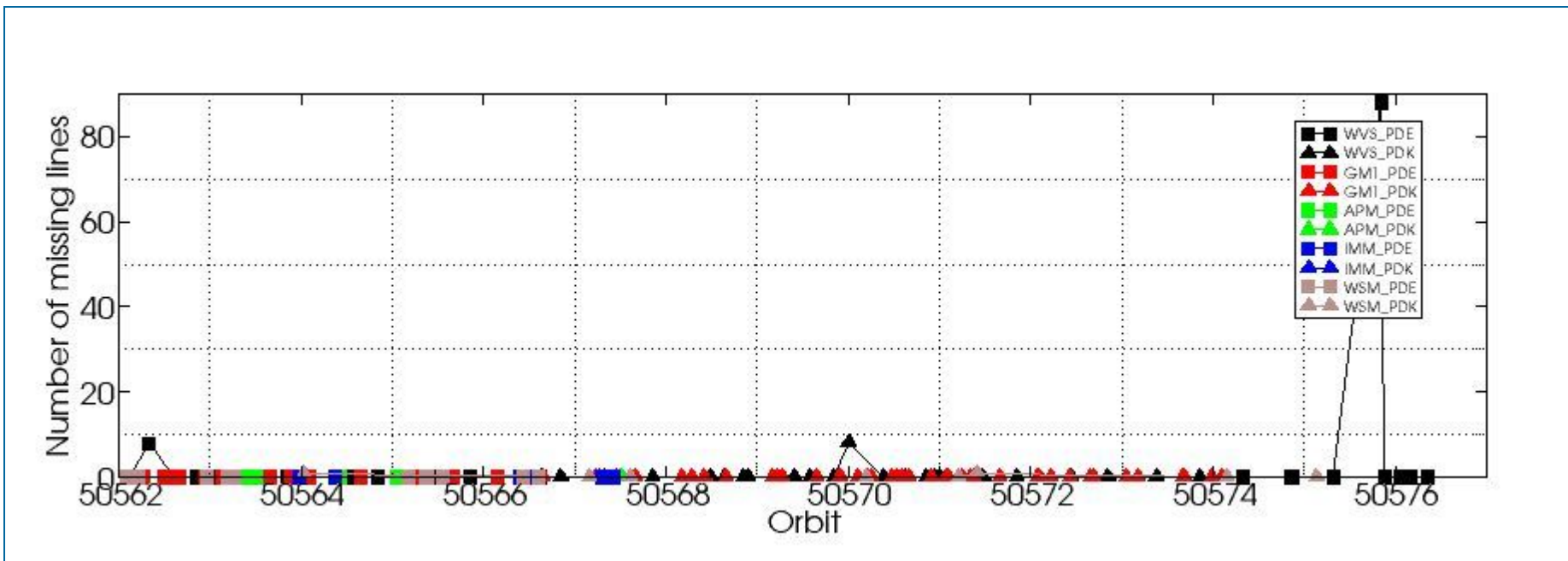
8 - TELEMETRY ANALYSIS

Processing Center	Product	Gaps	Missing lines
PDE	ASA_WVS_1PNPDE20111031_002444_000009663108_00117_50562_4432.N1	0	8
PDE	ASA_WVS_1PNPDE20111031_011541_000001953108_00117_50562_4429.N1	1	0
PDE	ASA_WVS_1PNPDE20111031_054839_000002403108_00120_50565_4523.N1	1	0
PDE	ASA_WVS_1PNPDE20111031_073421_000001053108_00121_50566_4568.N1	1	0
PDE	ASA_WVS_1PNPDE20111031_225843_000002253108_00130_50575_4774.N1	0	88
PDK	ASA_WVS_1PNPDK20111031_131232_000005513108_00124_50569_8075.N1	0	8
PDK	ASA_WSM_1PNPDK20111031_031342_000004533108_00119_50564_7924.N1	0	1
PDK	ASA_WSM_1PNPDK20111031_153329_000004343108_00126_50571_8154.N1	0	1

8.1 - Number of Missing lines

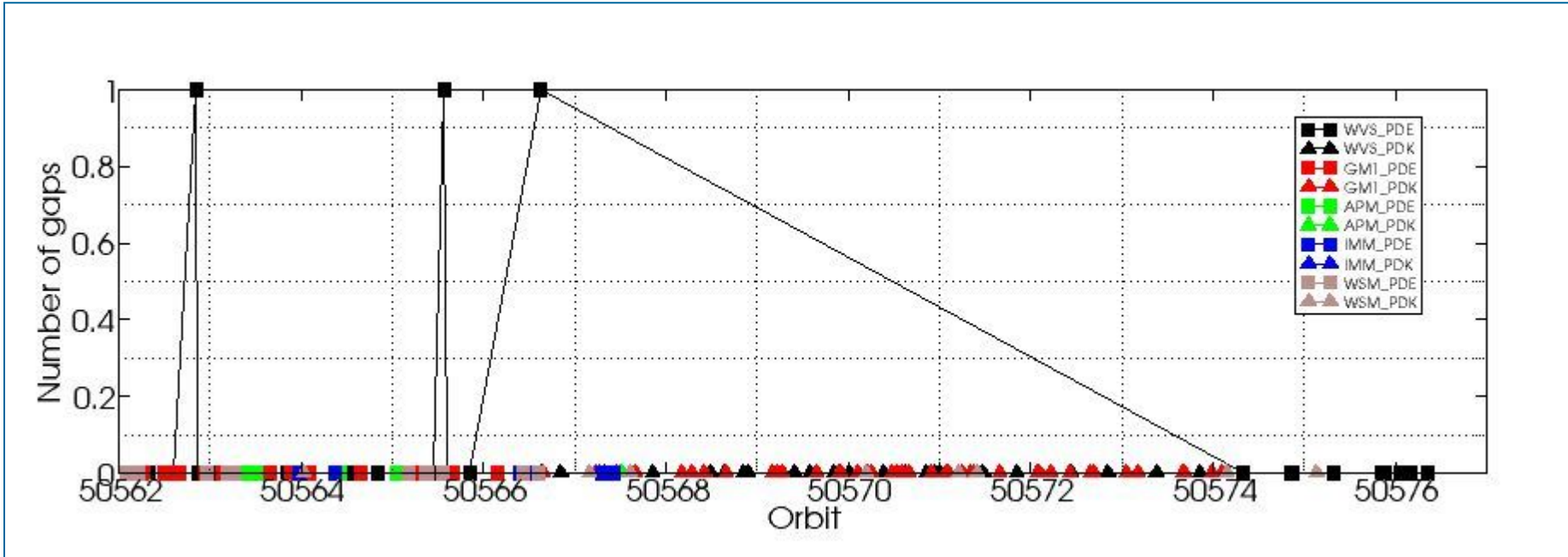
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8.2 - Number of Gaps

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ASAR DAILY REPORT for 111031
#####

MODE: DAILY
ANALYSIS: ALL
DATE: 2011-10-31 00:00:00

Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111031/

DATA SUMMARY

Summary will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111031/DATA_SUMMARY

Creating directory ./RESULTS/DAILY/_111031/DATA_SUMMARY...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/Data_summary.html...

Getting WVS products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_WVS_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_WVS_products_used.txt...

Getting GM1 products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_GM1_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_GM1_products_used.txt...

Getting APM products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_APM_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_APM_products_used.txt...

Getting IMM products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_IMM_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_IMM_products_used.txt...

Getting WSM products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_WSM_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_WSM_products_used.txt...

Getting MS products list from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_MS_products_used.xls...
Writing file ./RESULTS/DAILY/_111031/DATA_SUMMARY/List_MS_products_used.txt...

DATA SUMMARY completed
#####

AUXILIARY FILES ANALYSIS

Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111031/AUXILIARY

Creating directory ./RESULTS/DAILY/_111031/AUXILIARY...

Looking for the IECF operational ADFs list...



ADF filter 20111031*current_3_IECF_ADFs.txt
 Found list 20111031_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/_111031/AUXILIARY/ASAR_ADFs_IECF_List3.html...
 Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Auxiliary_files_summary.html...

Analysing WVS products...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_WVS.xls...
 Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_WVS.txt...

ASA_WVS_1PNPDE20111031_000156_000002403108_00117_50562_4426.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_002444_000009663108_00117_50562_4432.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_005032_000003303108_00117_50562_4431.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_011541_000001953108_00117_50562_4429.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_011811_000002853108_00117_50562_4462.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_013107_000007343108_00117_50562_4479.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_021535_000001943108_00118_50563_4478.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_022412_000007193108_00118_50563_4475.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_025555_000001803108_00118_50563_4489.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_035615_000008093108_00119_50564_4487.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_040929_000002543108_00119_50564_4520.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_043609_000011543108_00119_50564_4525.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_053619_000006143108_00120_50565_4524.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_054839_000002403108_00120_50565_4523.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_055224_000002553108_00120_50565_4555.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_061623_000018293108_00120_50565_4558.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_073421_000001053108_00121_50566_4568.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_202655_000019043108_00129_50574_4752.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_211829_000001793108_00129_50574_4758.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_212029_000001803108_00129_50574_4769.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_220614_000019643108_00130_50575_4775.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_225843_000002253108_00130_50575_4774.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_230143_000007943108_00130_50575_4791.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_232005_000002543108_00131_50576_4792.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_233035_000000603108_00131_50576_4795.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDE20111031_235015_000008543108_00131_50576_4798.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_073551_000000603108_00121_50566_7954.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_075637_000018593108_00121_50566_7956.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_090419_000004943108_00122_50567_7980.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_093651_000019043108_00122_50567_7982.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_104102_000007793108_00123_50568_8032.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_105612_000000753108_00123_50568_8035.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_111705_000001353108_00123_50568_8039.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_112259_000015143108_00123_50568_8043.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_121225_000005393108_00124_50569_8066.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_123036_000004203108_00124_50569_8068.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_125719_000002253108_00124_50569_8071.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_131232_000005513108_00124_50569_8075.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_135158_000003443108_00125_50570_8102.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_141610_000001053108_00125_50570_8105.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_143733_000003003108_00125_50570_8107.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_144710_000001193108_00125_50570_8109.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_145358_000000593108_00126_50571_8111.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_154044_000010343108_00126_50571_8136.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_161747_000011393108_00126_50571_8141.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_171718_000012593108_00127_50572_8164.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_175801_000011843108_00127_50572_8166.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WVS_1PNPDK20111031_185104_000016493108_00128_50573_8183.N1	ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK



ASA_WVS_1PNPDK20111031_193815_000003453108_00128_50573_8186.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

Analysing GM1 products...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_GM1.xls...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_GM1.txt...

ASA_GM1_1PNPDE20111031_001010_000001443108_00117_50562_4425.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_001722_000004413108_00117_50562_4428.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_004144_000001143108_00117_50562_4427.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_004434_000003563108_00117_50562_4433.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_005641_000011363108_00117_50562_4430.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_012516_000001023108_00117_50562_4464.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_014408_000004043108_00118_50563_4466.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_015440_000002233108_00118_50563_4465.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_020101_000003143108_00118_50563_4468.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_020818_000001023108_00118_50563_4467.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_021135_000002173108_00118_50563_4481.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_022122_000000903108_00118_50563_4480.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_023655_000011363108_00118_50563_4477.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_025939_000001383108_00118_50563_4476.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_030201_000003983108_00118_50563_4474.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_031010_000002113108_00118_50563_4473.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_032118_000016983108_00119_50564_4491.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_035245_000000963108_00119_50564_4488.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_041736_000011123108_00119_50564_4522.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_045736_000007613108_00120_50565_4521.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_051656_000007373108_00120_50565_4526.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_055723_000011363108_00120_50565_4562.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_064744_000013903108_00121_50566_4560.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_071252_000001083108_00121_50566_4559.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDE20111031_072652_000002953108_00121_50566_4557.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_073737_000011363108_00121_50566_7955.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_083457_000003143108_00122_50567_7957.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_083859_000002113108_00122_50567_7976.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_085809_000001633108_00122_50567_7975.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_090155_000000903108_00122_50567_7979.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_091757_000011303108_00122_50567_7981.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_100926_000007613108_00123_50568_7983.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_102101_000001203108_00123_50568_8027.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_103421_000001383108_00123_50568_8031.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_105805_000011363108_00123_50568_8041.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_114906_000000963108_00124_50569_8040.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_115405_000003983108_00124_50569_8044.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_115926_000002593108_00124_50569_8067.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_123819_000011363108_00124_50569_8069.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_130149_000000903108_00124_50569_8072.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_130326_000005433108_00124_50569_8070.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_132231_000005493108_00125_50570_8073.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_133419_000002353108_00125_50570_8074.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_133701_000005553108_00125_50570_8100.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_135953_000002773108_00125_50570_8101.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_140554_000003863108_00125_50570_8103.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_141227_000002233108_00125_50570_8104.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_141833_000011363108_00125_50570_8108.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_144312_000002353108_00125_50570_8106.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_145953_000001263108_00126_50571_8110.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_150307_000006043108_00126_50571_8112.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_151650_000004593108_00126_50571_8133.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_152711_000001753108_00126_50571_8134.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_153110_000001323108_00126_50571_8135.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_155847_000011363108_00126_50571_8138.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_163959_000000783108_00127_50572_8137.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_164258_000005073108_00127_50572_8140.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_165434_000005073108_00127_50572_8161.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK

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ASA_GM1_1PNPDK20111031_171533_000000963108_00127_50572_8163.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_173902_000000783108_00127_50572_8162.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_174147_0000009733108_00127_50572_8165.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_181835_0000007793108_00128_50573_8167.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_183021_0000007013108_00128_50573_8182.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_191916_000000783108_00128_50573_8181.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_192201_0000009733108_00128_50573_8184.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_195146_0000006283108_00128_50573_8185.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_GM1_1PNPDK20111031_200327_0000003503108_00129_50574_8187.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing APM products...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_APM.xls...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_APM.txt...

```
ASA_APM_1PNPDE20111031_020615_000001023108_00118_50563_4469.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_022018_000000433108_00118_50563_4470.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_022257_000000703108_00118_50563_4471.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_035424_000000943108_00119_50564_4460.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_045633_000000423108_00120_50565_4513.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_072232_000001953108_00121_50566_4553.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDE20111031_072550_000000423108_00121_50566_4554.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20111031_090051_000000433108_00122_50567_7978.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_APM_1PNPDK20111031_090330_000000433108_00122_50567_7977.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing IMM products...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_IMM.xls...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_IMM.txt...

```
ASA_IMM_1PNPDE20111031_030840_000000763108_00118_50563_4472.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_034935_000001793108_00119_50564_4459.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_071049_000001113108_00121_50566_4550.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_071800_000002643108_00121_50566_4552.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_084228_000000523108_00122_50567_4584.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_085140_000000373108_00122_50567_4585.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDE20111031_085425_000002153108_00122_50567_4587.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_IMM_1PNPDK20111031_084428_000003293108_00122_50567_7964.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

Analysing WSM products...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_WSM.xls...

Writing file ./RESULTS/DAILY/_111031/AUXILIARY/Check_ADFs_WSM.txt...

```
ASA_WSM_1PNPDE20111031_000026_000000923108_00117_50562_4413.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_000637_000002143108_00117_50562_4421.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_001238_000002813108_00117_50562_4422.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_012706_000002453108_00117_50562_4440.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_015056_000002203108_00118_50563_4461.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_015826_000001533108_00118_50563_4463.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_051021_000003923108_00120_50565_4517.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_052917_000004223108_00120_50565_4518.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_054709_000000923108_00120_50565_4519.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_071445_000001653108_00121_50566_4551.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDE20111031_073150_000001533108_00121_50566_4556.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_031342_000004533108_00119_50564_7924.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_082822_000003923108_00122_50567_7963.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_091323_000002693108_00122_50567_7985.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_133142_000001533108_00125_50570_8076.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

```
ASA_WSM_1PNPDK20111031_151314_000002083108_00126_50571_8114.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_153329_000004343108_00126_50571_8154.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_200919_000002143108_00129_50574_8194.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
ASA_WSM_1PNPDK20111031_214725_000002203108_00130_50575_8207.N1 ASA_CON -> OKASA_INS -> OKASA_XCH -> OKASA_XCA -> OK
```

AUXILIARY FILES ANALYSIS completed

#####

MODULE STEPPING ANALYSIS

#####

Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59

Results will be exported to the directory: ./RESULTS/DAILY/_111031/MODULE_STEPPING

Creating directory ./RESULTS/DAILY/_111031/MODULE_STEPPING...

Creating directory ./RESULTS/DAILY/_111031/MODULE_STEPPING/FIRST_REFERENCE...

Creating directory ./RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE...

Creating directory ./RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Deleting old files...

Creating images comparing with second reference...

Exporting results to the directory ../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE...

Polarization: H

Reference product: ASA_MS_0PNPDK20010209_135042_0000009A024_00180_11700_0052.N1

Test product: ASA_MS_0PNPDK20111031_174029_000000163108_00127_50572_0852.N1

H

H

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/TGH_20111031_174029-20010209_135042.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/TPH_20111031_174029-20010209_135042.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/RGH_20111031_174029-20010209_135042.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/RPH_20111031_174029-20010209_135042.png

Polarization: V

Reference product: ASA_MS_0PNPDK20010209_140823_0000009A024_00180_11700_0054.N1

Test product: ASA_MS_0PNPDK20111031_192043_000000163108_00128_50573_0853.N1

V

V

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/TGV_20111031_192043-20010209_140823.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/TPV_20111031_192043-20010209_140823.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/RGV_20111031_192043-20010209_140823.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/SECOND_REFERENCE/RPV_20111031_192043-20010209_140823.png

Creating images comparing with previous product reference...

Exporting results to the directory ../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE...

Polarization: H

Reference product: ASA_MS_0PNPDK20111030_181713_000000163108_00113_50558_0850.N1

Test product: ASA_MS_0PNPDK20111031_174029_000000163108_00127_50572_0852.N1

H

H

../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGH_20111031_174029-20111030_181713.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPH_20111031_174029-20111030_181713.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGH_20111031_174029-20111030_181713.png

../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPH_20111031_174029-20111030_181713.png

Polarization: V

Reference product: ASA_MS_0PNPDK20111030_195727_000000163108_00114_50559_0851.N1

Test product: ASA_MS_0PNPDK20111031_192043_000000163108_00128_50573_0853.N1


```
V
V
../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TGV_20111031_192043-20111030_195727.png
../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/TPV_20111031_192043-20111030_195727.png
../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RGV_20111031_192043-20111030_195727.png
../../RESULTS/DAILY/_111031/MODULE_STEPPING/PREVIOUS_PRODUCT_REFERENCE/RPV_20111031_192043-20111030_195727.png
```

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

```
CALIBRATION PULSES ANALYSIS
#####
Creating directory ./RESULTS/DAILY/_111031/CALIBRATION_PULSES...
```

```
*****
*****
ALL ROWS Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
```

```
Analysing products WVS IS2 V/V
  1      68257      7      68257
Writing image ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Calibration_pulses_all_rows_WVS_IS2_VV.png...
Analysing products GM1 SS3 H/H
  1      43521      7      43521
Writing image ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Calibration_pulses_all_rows_GM1_SS3_HH.png...
```

```
*****
*****
TEMPORAL EVOLUTION Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
```

```
Analysing products WVS IS2 V/V
Getting calibration pulses data for WVS IS2 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-10-31_1.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_1.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_1.png...
```

```
Getting calibration pulses data for WVS IS2 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-10-31_2.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_2.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_2.png...
```

```
Getting calibration pulses data for WVS IS2 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-10-31_3.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_3.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_WVS_IS2_VV_3.png...
```

```
Getting calibration pulses data for WVS IS2 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_WVS_IS2_VV_2011-10-31_4.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_WVS_IS2_VV_4.png...
Writing ../../RESULTS/DAILY/_111031//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 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 1/5/9/13/17/21/25/29
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-10-31_1.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_1.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_1.png...
```

```
Getting calibration pulses data for GM1 SS3 H/H from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 2/6/10/14/18/22/26/30
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-10-31_2.dat...
```

Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_2.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_2.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 3/7/11/15/19/23/27/31
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-10-31_3.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_3.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_3.png...

Getting calibration pulses data for GM1 SS3 H/H from 2011-10-31 00:00:00 to 2011-10-31 23:59:59. Rows: 4/8/12/16/20/24/28/32
Writing file ./RESULTS/DAILY/_111031/CALIBRATION_PULSES/Calibration_pulses_data_GM1_SS3_HH_2011-10-31_4.dat...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Average_P1_P1a_P2_P3_GM1_SS3_HH_4.png...
Writing ../../RESULTS/DAILY/_111031//CALIBRATION_PULSES/Transmit_Power_GM1_SS3_HH_4.png...

CALIBRATION PULSES ANALYSIS completed
#####

DOPPLER ANALYSIS

Creating directory ./RESULTS/DAILY/_111031/DOPPLER...

DOPPLER ANX Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59

Analysing products WVS IS2 V/V
Getting doppler data for WVS IS2 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DOPPLER/Doppler_data_WVS_IS2_VV_2011-10-31.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111031/DOPPLER/DOPPLER_ANX_WVS_IS2_VV.png...

Analysing products GM1 SS1 H/H
Getting doppler data for GM1 SS1 H/H from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DOPPLER/Doppler_data_GM1_SS1_HH_2011-10-31.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111031/DOPPLER/DOPPLER_ANX_GM1_SS1_HH.png...

DOPPLER JUMPS Analysis will be performed on WSM products from 2011-10-31 00:00:00 to 2011-10-31 23:59:59

Analysing by default products WSM
Getting doppler jumps data for WSM from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/DOPPLER/Doppler_Jumps_data_WSM_2011-10-31.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111031/DOPPLER/DOPPLER_JUMPS_ANX_WSM.png...
Writing file ../../RESULTS/DAILY/_111031/DOPPLER/DOPPLER_JUMPS_Date_WSM.png...

DOPPLER MAP Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59

Analysing products WVS IS2 V/V

1069
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 = -33.539528 Hz

Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_desc.jpg...

Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_desc.jpg...

1066

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 = -30.240074 Hz
Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_WVS_IS2_VV_asc.jpg...
Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Absolute_WVS_IS2_VV_asc.jpg...

Analysing products GM1 SS1 H/H

2560
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 = -19.732096 Hz

Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_desc.jpg...

Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_desc.jpg...

2835
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 = -32.928870 Hz
Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Estimated-Predicted-MeanError_GM1_SS1_HH_asc.jpg...
Writing file ../../RESULTS/DAILY/_111031//DOPPLER/DOPPLER_Absolute_GM1_SS1_HH_asc.jpg...

DOPPLER ANALYSIS completed
#####

CHIRP ANALYSIS

Creating directory ./RESULTS/DAILY/_111031/CHIRP...

CHIRP Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59

Analysing products WSM SS1 H/H

Getting ScaleFactor data for WSM SS1 H/H from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/CHIRP/ScaleFactor_data_WSM_SS1_HH_2011-10-31.dat...
Running IDL program...

Writing file ../../RESULTS/DAILY/_111031/CHIRP/ScaleFactor_ANX_WSM_SS1_HH.png...
Writing file ../../RESULTS/DAILY/_111031/CHIRP/ScaleFactor_DATE_WSM_SS1_HH.png...

Analysing products WSM SS1 V/V

Getting ScaleFactor data for WSM SS1 V/V from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/CHIRP/ScaleFactor_data_WSM_SS1_VV_2011-10-31.dat...
Running IDL program...
Writing file ../../RESULTS/DAILY/_111031/CHIRP/ScaleFactor_ANX_WSM_SS1_VV.png...
Writing file ../../RESULTS/DAILY/_111031/CHIRP/ScaleFactor_DATE_WSM_SS1_VV.png...

CHIRP ANALYSIS completed

#####

RAW DATA ANALYSIS

Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111031/RAW_DATA

Creating directory ./RESULTS/DAILY/_111031/RAW_DATA...

Getting raw data for WVS from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/RAW_DATA/Raw_data_WVS_2011-10-31.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_WVS_input_mean.png...
Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_WVS_input_stdev.png...
Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_WVS_gain_imbalance.png...

Getting raw data for IMM from 2011-10-31 00:00:00 to 2011-10-31 23:59:59...
Writing file ./RESULTS/DAILY/_111031/RAW_DATA/Raw_data_IMM_2011-10-31.dat...
Running IDL program to create graphs...

Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_IMM_input_mean.png...
Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_IMM_input_stdev.png...
Creating image ../../RESULTS/DAILY/_111031/RAW_DATA/Raw_data_IMM_gain_imbalance.png...

RAW DATA ANALYSIS completed

#####

TELEMETRY ANALYSIS

Analysis will be performed from 2011-10-31 00:00:00 to 2011-10-31 23:59:59
Results will be exported to the directory: ./RESULTS/DAILY/_111031/TELEMETRY

Creating directory ./RESULTS/DAILY/_111031/TELEMETRY...

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

Checking 26 products from PDE...
Found product...ASA_WVS_1PNPDE20111031_002444_000009663108_00117_50562_4432.N1 / 0 gaps / 8 missing lines
Found product...ASA_WVS_1PNPDE20111031_011541_000001953108_00117_50562_4429.N1 / 1 gaps / 0 missing lines
Found product...ASA_WVS_1PNPDE20111031_054839_000002403108_00120_50565_4523.N1 / 1 gaps / 0 missing lines
Found product...ASA_WVS_1PNPDE20111031_073421_000001053108_00121_50566_4568.N1 / 1 gaps / 0 missing lines
Found product...ASA_WVS_1PNPDE20111031_225843_000002253108_00130_50575_4774.N1 / 0 gaps / 88 missing lines
Checking 23 products from PDK...
Found product...ASA_WVS_1PNPDK20111031_131232_000005513108_00124_50569_8075.N1 / 0 gaps / 8 missing lines

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



```
*****
Checking 25 products from PDE...
Checking 42 products from PDK...

Looking for gaps and missing lines in APM products...
*****
Checking 7 products from PDE...
Checking 2 products from PDK...

Looking for gaps and missing lines in IMM products...
*****
Checking 7 products from PDE...
Checking 1 products from PDK...

Looking for gaps and missing lines in WSM products...
*****
Checking 11 products from PDE...
Checking 8 products from PDK...
Found product...ASA_WSM_1PNPDK20111031_031342_000004533108_00119_50564_7924.N1 / 0 gaps / 1 missing lines
Found product...ASA_WSM_1PNPDK20111031_153329_000004343108_00126_50571_8154.N1 / 0 gaps / 1 missing lines
```

```
Creating graph of missing lines and gaps...
*****
Creating image: ./RESULTS/DAILY/_111031/TELEMETRY/TELEMETRY_Missing_lines.png...
Creating image: ./RESULTS/DAILY/_111031/TELEMETRY/TELEMETRY_Gaps.png...
```

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

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

```
Building file ./RESULTS/DAILY/_111031/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_1PNPDE20111031_020615_000001023108_00118_50563_4469.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_022018_000000433108_00118_50563_4470.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_022257_000000703108_00118_50563_4471.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_035424_000000943108_00119_50564_4460.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_045633_000000423108_00120_50565_4513.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_072232_000001953108_00121_50566_4553.N1	OK	OK	OK	OK
ASA_APM_1PNPDE20111031_072550_000000423108_00121_50566_4554.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20111031_090051_000000433108_00122_50567_7978.N1	OK	OK	OK	OK
ASA_APM_1PNPDK20111031_090330_000000433108_00122_50567_7977.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_1PNPDE20111031_001010_000001443108_00117_50562_4425.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_001722_000004413108_00117_50562_4428.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_004144_000001143108_00117_50562_4427.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_004434_000003563108_00117_50562_4433.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_005641_000011363108_00117_50562_4430.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_012516_000001023108_00117_50562_4464.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_014408_000004043108_00118_50563_4466.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_015440_000002233108_00118_50563_4465.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_020101_000003143108_00118_50563_4468.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_020818_000001023108_00118_50563_4467.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_021135_000002173108_00118_50563_4481.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_022122_000000903108_00118_50563_4480.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_023655_000011363108_00118_50563_4477.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_025939_000001383108_00118_50563_4476.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_030201_000003983108_00118_50563_4474.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_031010_000002113108_00118_50563_4473.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_032118_000016983108_00119_50564_4491.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_035245_000000963108_00119_50564_4488.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_041736_000011123108_00119_50564_4522.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_045736_000007613108_00120_50565_4521.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_051656_000007373108_00120_50565_4526.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_055723_000011363108_00120_50565_4562.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_064744_000013903108_00121_50566_4560.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_071252_000001083108_00121_50566_4559.N1					OK	OK	OK	OK
ASA_GM1_1PNPDE20111031_072652_000002953108_00121_50566_4557.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_073737_000011363108_00121_50566_7955.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_083457_000003143108_00122_50567_7957.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_083859_000002113108_00122_50567_7976.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_085809_000001633108_00122_50567_7975.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_090155_000000903108_00122_50567_7979.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_091757_000011303108_00122_50567_7981.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_100926_000007613108_00123_50568_7983.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_102101_000001203108_00123_50568_8027.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_103421_000001383108_00123_50568_8031.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_105805_000011363108_00123_50568_8041.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_114906_000000963108_00124_50569_8040.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_115405_000003983108_00124_50569_8044.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_115926_000002593108_00124_50569_8067.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_123819_000011363108_00124_50569_8069.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_130149_000000903108_00124_50569_8072.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_130326_000005433108_00124_50569_8070.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_132231_000005493108_00125_50570_8073.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_133419_000002353108_00125_50570_8074.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_133701_000005553108_00125_50570_8100.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_135953_000002773108_00125_50570_8101.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_140554_000003863108_00125_50570_8103.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_141227_000002233108_00125_50570_8104.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_141833_000011363108_00125_50570_8108.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_144312_000002353108_00125_50570_8106.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_145953_000001263108_00126_50571_8110.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_150307_000006043108_00126_50571_8112.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_151650_000004593108_00126_50571_8133.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_152711_000001753108_00126_50571_8134.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_153110_000001323108_00126_50571_8135.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_155847_000011363108_00126_50571_8138.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_163959_000000783108_00127_50572_8137.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_164258_000005073108_00127_50572_8140.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_165434_000005073108_00127_50572_8161.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_171533_000000963108_00127_50572_8163.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_173902_000000783108_00127_50572_8162.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_174147_000009733108_00127_50572_8165.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_181835_000007793108_00128_50573_8167.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_183021_000007013108_00128_50573_8182.N1					OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_191916_000000783108_00128_50573_8181.N1					OK	OK	OK	OK

ASA_GM1_1PNPDK20111031_192201_000009733108_00128_50573_8184.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_195146_000006283108_00128_50573_8185.N1	OK	OK	OK	OK
ASA_GM1_1PNPDK20111031_200327_000003503108_00129_50574_8187.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_1PNPDE20111031_030840_000000763108_00118_50563_4472.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_034935_000001793108_00119_50564_4459.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_071049_000001113108_00121_50566_4550.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_071800_000002643108_00121_50566_4552.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_084228_000000523108_00122_50567_4584.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_085140_000000373108_00122_50567_4585.N1	OK	OK	OK	OK
ASA_IMM_1PNPDE20111031_085425_000002153108_00122_50567_4587.N1	OK	OK	OK	OK
ASA_IMM_1PNPDK20111031_084428_000003293108_00122_50567_7964.N1	OK	OK	OK	OK

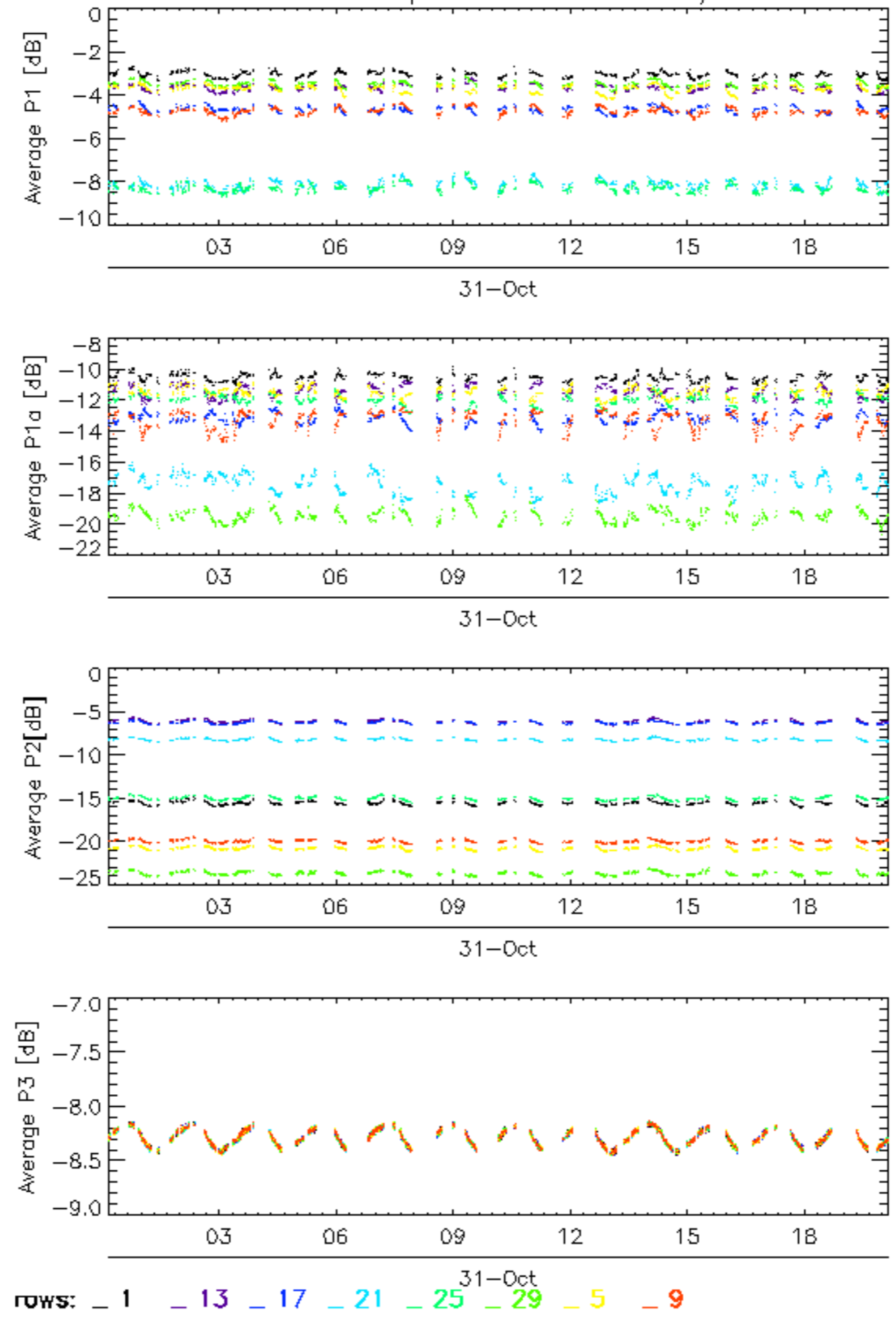
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WSM_1PNPDE20111031_000026_00000923108_00117_50562_4413.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_000637_000002143108_00117_50562_4421.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_001238_000002813108_00117_50562_4422.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_012706_000002453108_00117_50562_4440.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_015056_000002203108_00118_50563_4461.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_015826_000001533108_00118_50563_4463.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_051021_000003923108_00120_50565_4517.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_052917_000004223108_00120_50565_4518.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_054709_000000923108_00120_50565_4519.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_071445_000001653108_00121_50566_4551.N1					OK	OK	OK	OK
ASA_WSM_1PNPDE20111031_073150_000001533108_00121_50566_4556.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_031342_000004533108_00119_50564_7924.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_082822_000003923108_00122_50567_7963.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_091323_000002693108_00122_50567_7985.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_133142_000001533108_00125_50570_8076.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_151314_000002083108_00126_50571_8114.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_153329_000004343108_00126_50571_8154.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_200919_000002143108_00129_50574_8194.N1					OK	OK	OK	OK
ASA_WSM_1PNPDK20111031_214725_000002203108_00130_50575_8207.N1					OK	OK	OK	OK

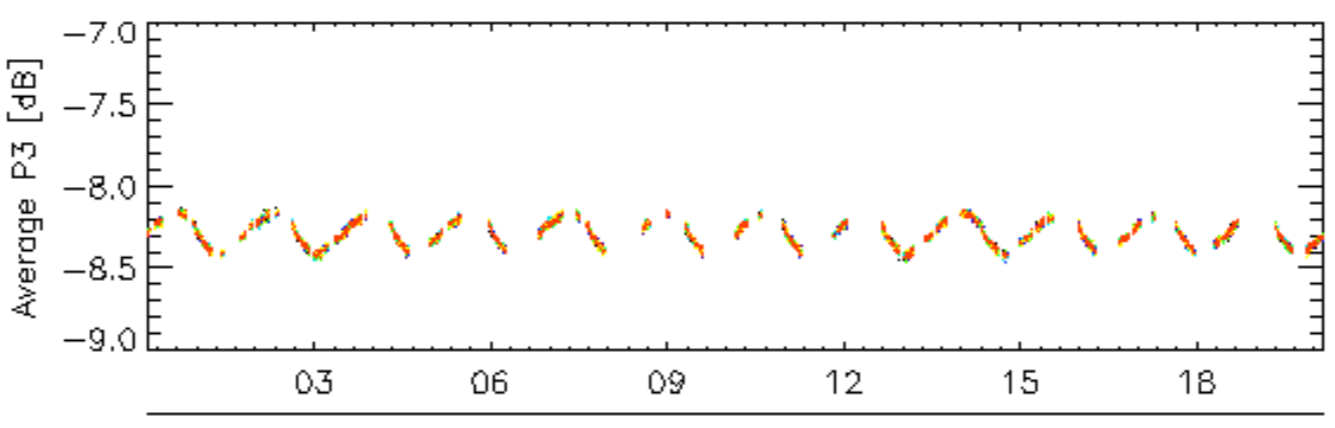
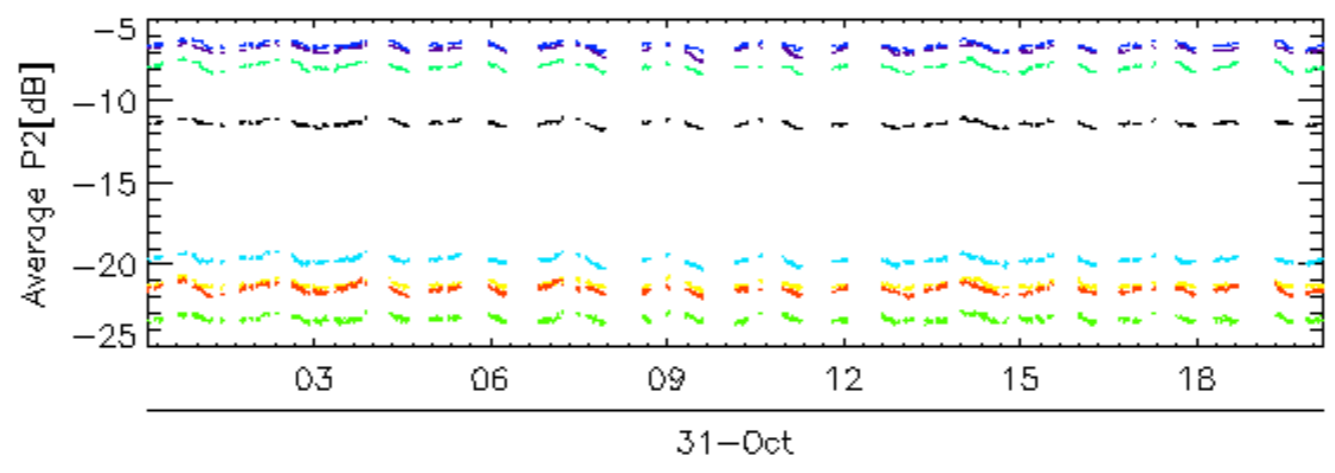
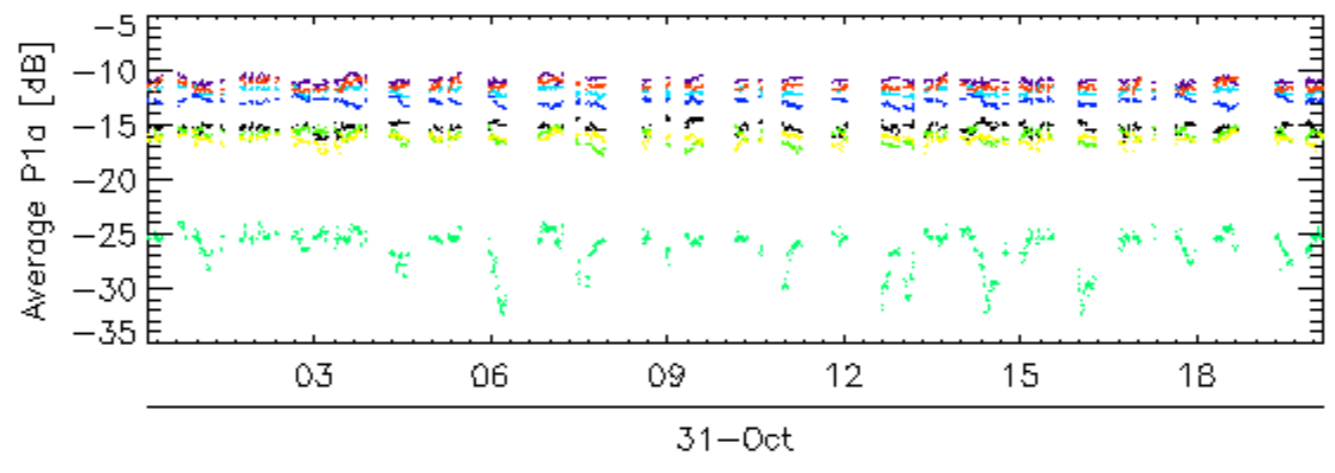
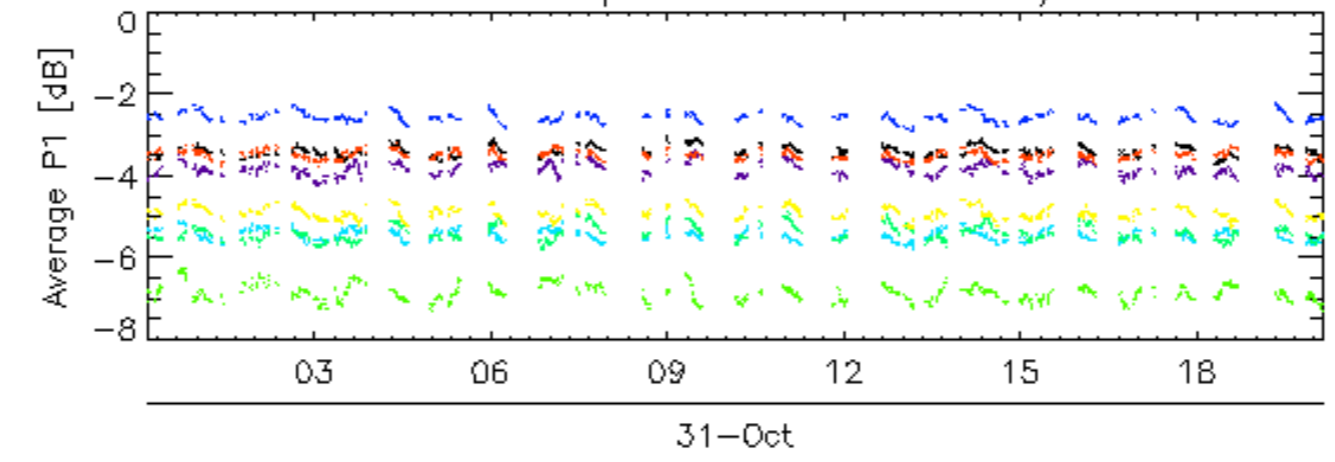
Differences with IECF operational ADFs list. If a wrong ADF is used, the filename is reported.

Product	ASA_CON	ASA_INS	ASA_XCH	ASA_XCA				
ASA_WVS_1PNPDE20111031_000156_000002403108_00117_50562_4426.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_002444_000009663108_00117_50562_4432.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_005032_000003303108_00117_50562_4431.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_011541_000001953108_00117_50562_4429.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_011811_000002853108_00117_50562_4462.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_013107_000007343108_00117_50562_4479.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_021535_000001943108_00118_50563_4478.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_022412_000007193108_00118_50563_4475.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_025555_000001803108_00118_50563_4489.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_035615_000008093108_00119_50564_4487.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_040929_000002543108_00119_50564_4520.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_043609_000011543108_00119_50564_4525.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_053619_000006143108_00120_50565_4524.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_054839_000002403108_00120_50565_4523.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_055224_000002553108_00120_50565_4555.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_061623_000018293108_00120_50565_4558.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_073421_000001053108_00121_50566_4568.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_202655_000019043108_00129_50574_4752.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_211829_000001793108_00129_50574_4758.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_212029_000001803108_00129_50574_4769.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_220614_000019643108_00130_50575_4775.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_225843_000002253108_00130_50575_4774.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_230143_000007943108_00130_50575_4791.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_232005_000002543108_00131_50576_4792.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_233035_000000603108_00131_50576_4795.N1					OK	OK	OK	OK
ASA_WVS_1PNPDE20111031_235015_000008543108_00131_50576_4798.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_073551_000000603108_00121_50566_7954.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_075637_000018593108_00121_50566_7956.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_090419_000004943108_00122_50567_7980.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_093651_000019043108_00122_50567_7982.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_104102_000007793108_00123_50568_8032.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_105612_000000753108_00123_50568_8035.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_111705_000001353108_00123_50568_8039.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_112259_000015143108_00123_50568_8043.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_121225_000005393108_00124_50569_8066.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_123036_000004203108_00124_50569_8068.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_125719_000002253108_00124_50569_8071.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_131232_000005513108_00124_50569_8075.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_135158_000003443108_00125_50570_8102.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_141610_000001053108_00125_50570_8105.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_143733_000003003108_00125_50570_8107.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_144710_000001193108_00125_50570_8109.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_145358_000000593108_00126_50571_8111.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_154044_000010343108_00126_50571_8136.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_161747_000011393108_00126_50571_8141.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_171718_000012593108_00127_50572_8164.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_175801_000011843108_00127_50572_8166.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_185104_000016493108_00128_50573_8183.N1					OK	OK	OK	OK
ASA_WVS_1PNPDK20111031_193815_000003453108_00128_50573_8186.N1					OK	OK	OK	OK

Calibration pulses for GM1 SS3 H/H

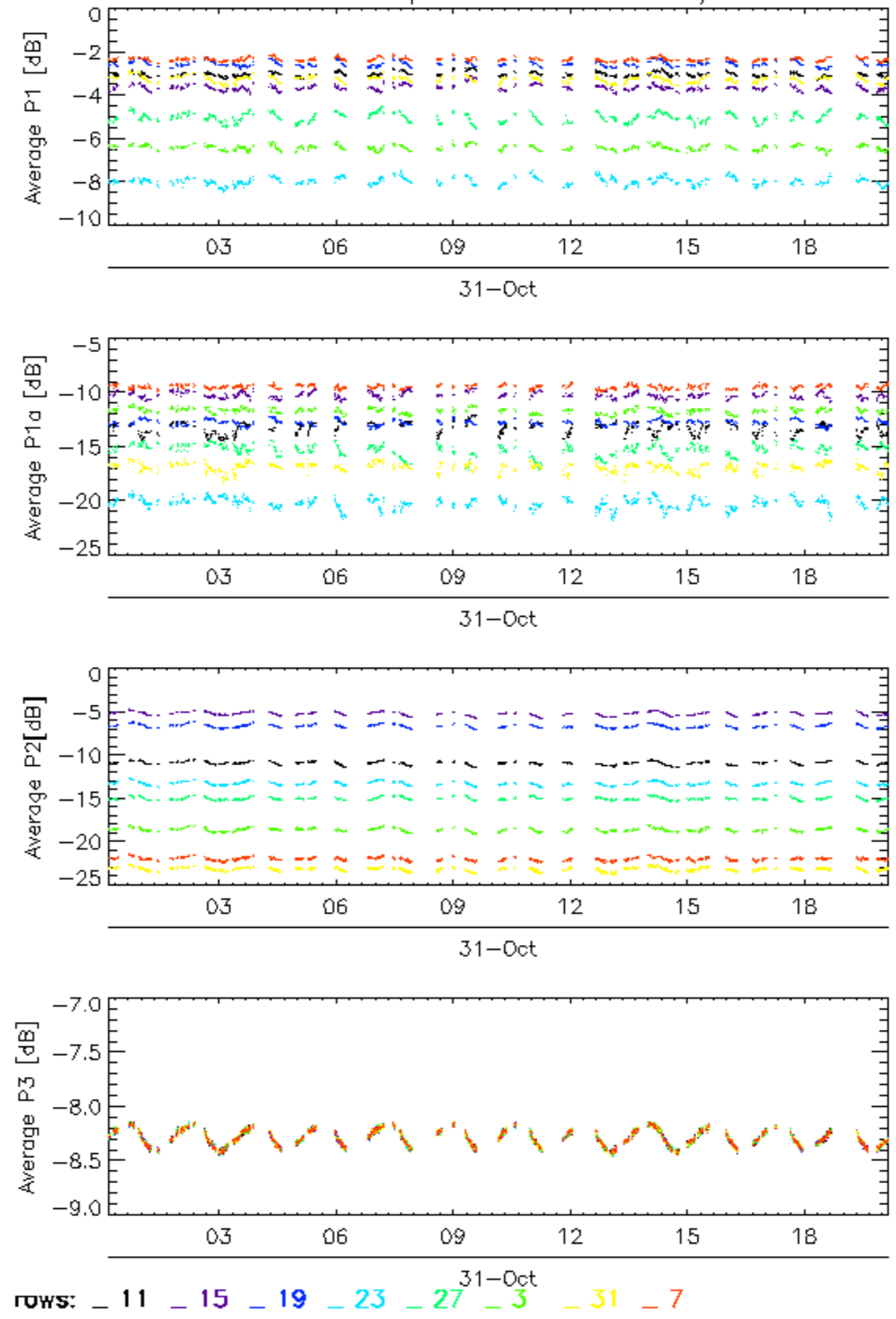


Calibration pulses for GM1 SS3 H/H

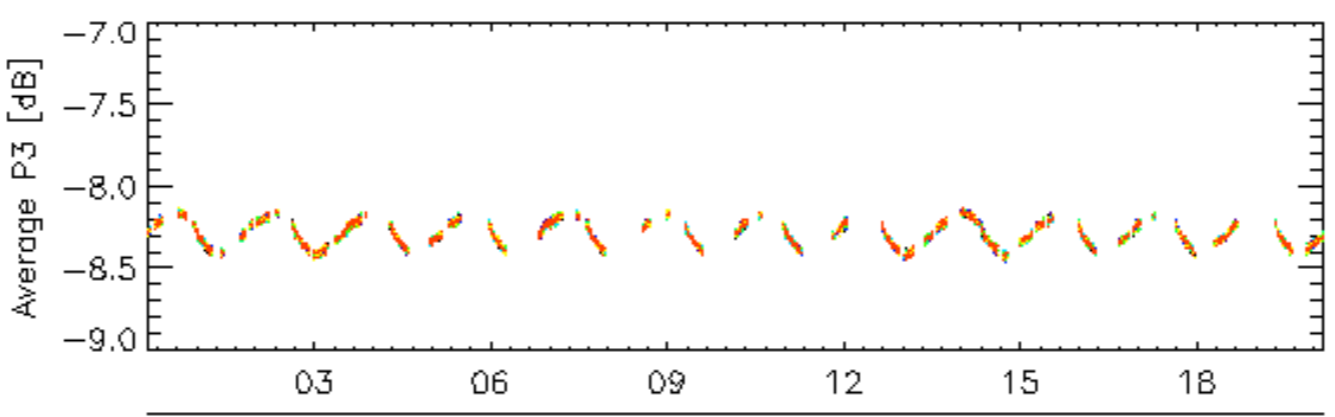
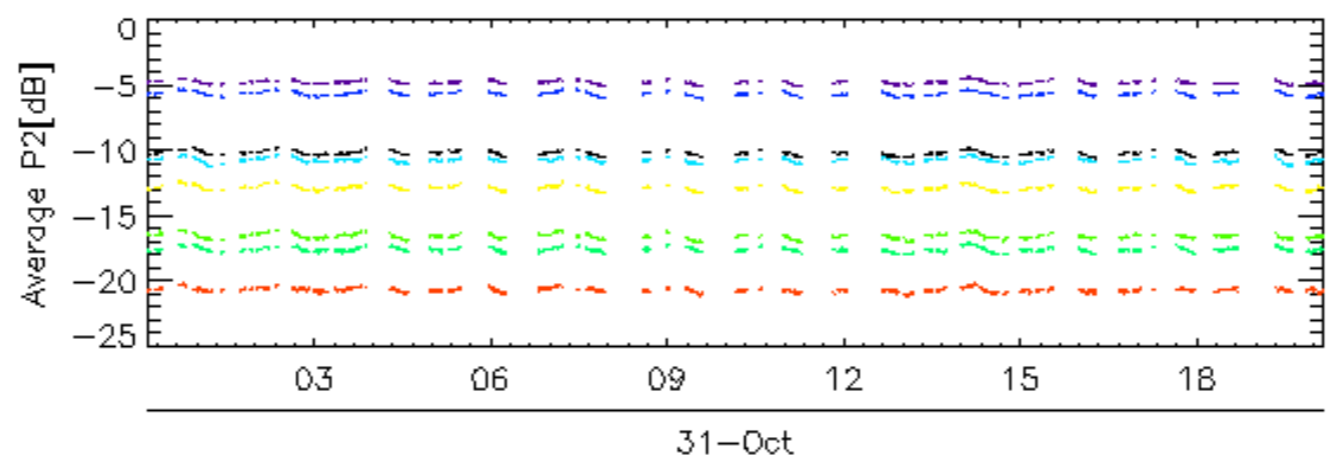
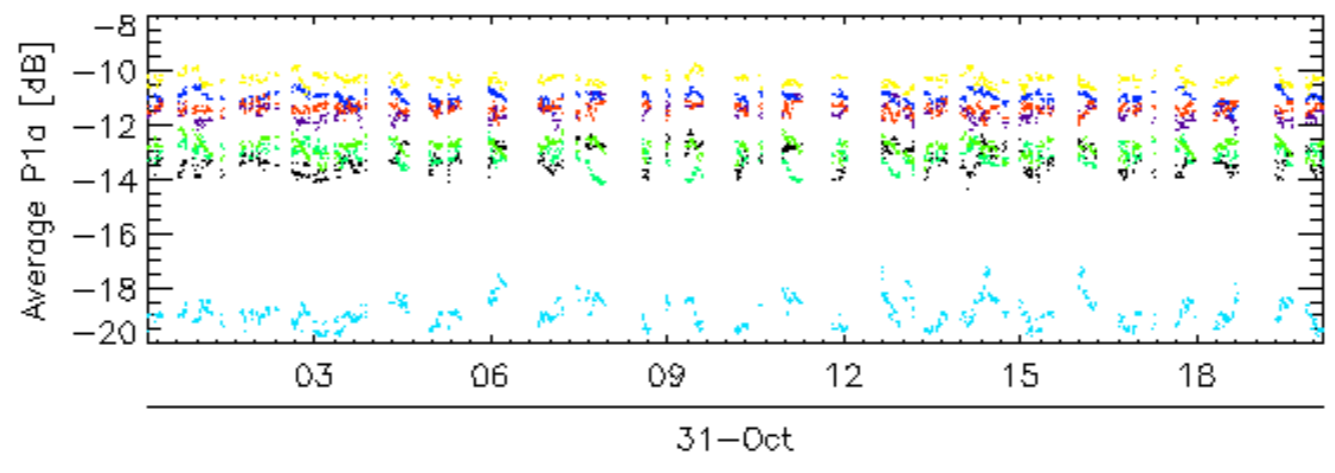
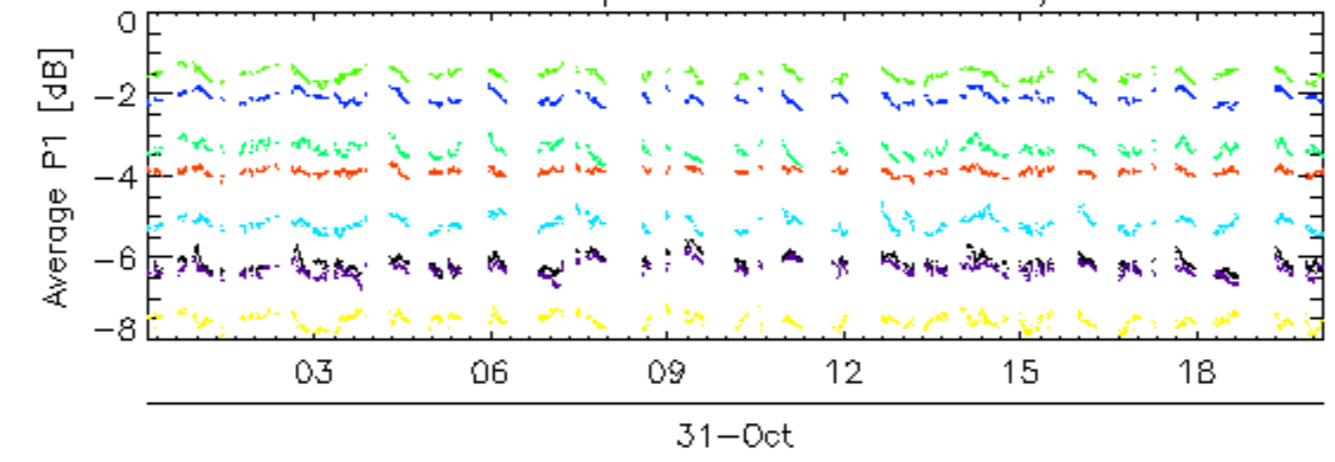


rows: 10 14 18 2 22 26 30 6

Calibration pulses for GM1 SS3 H/H

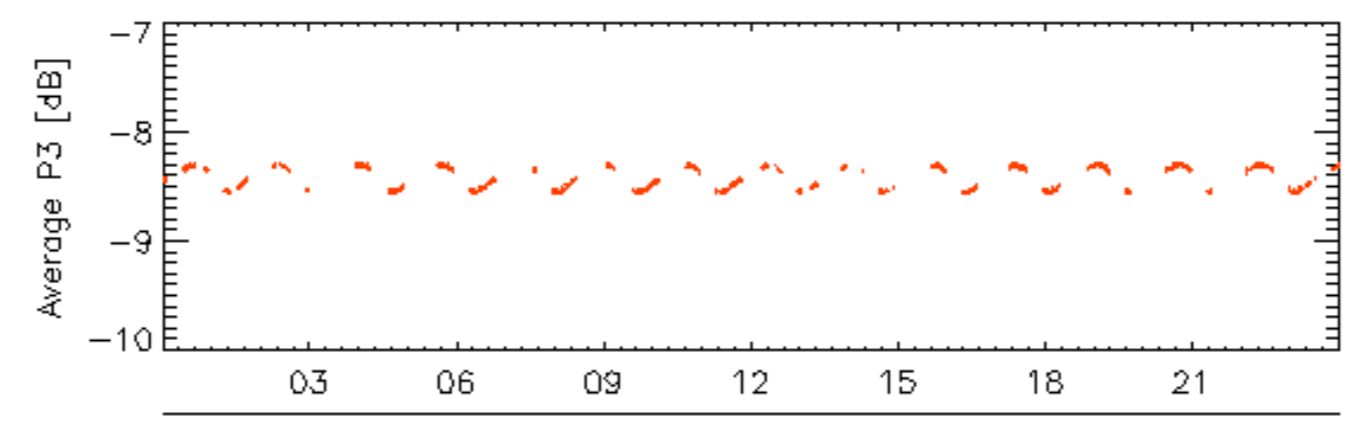
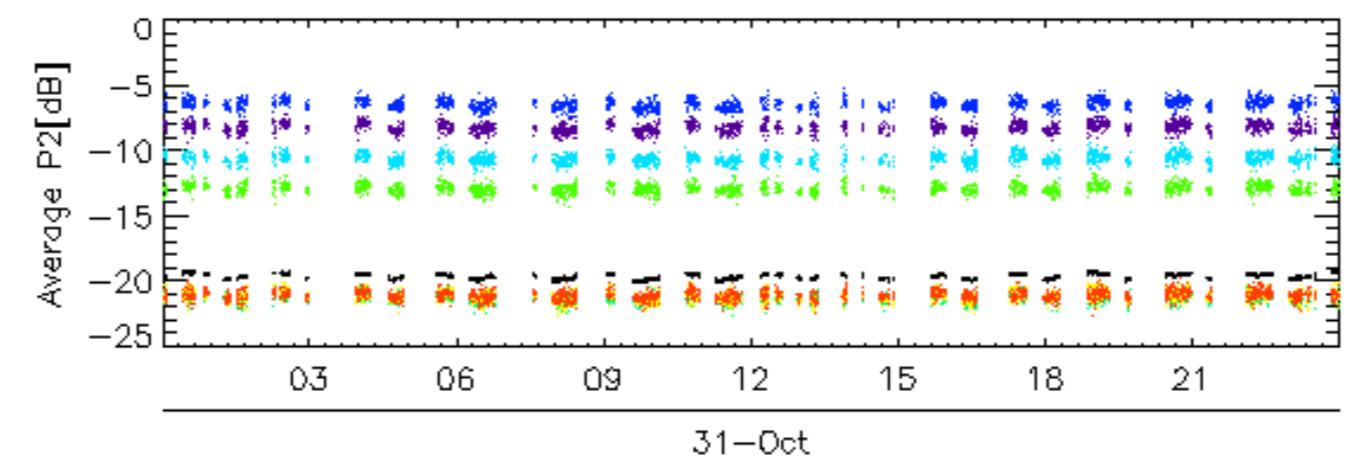
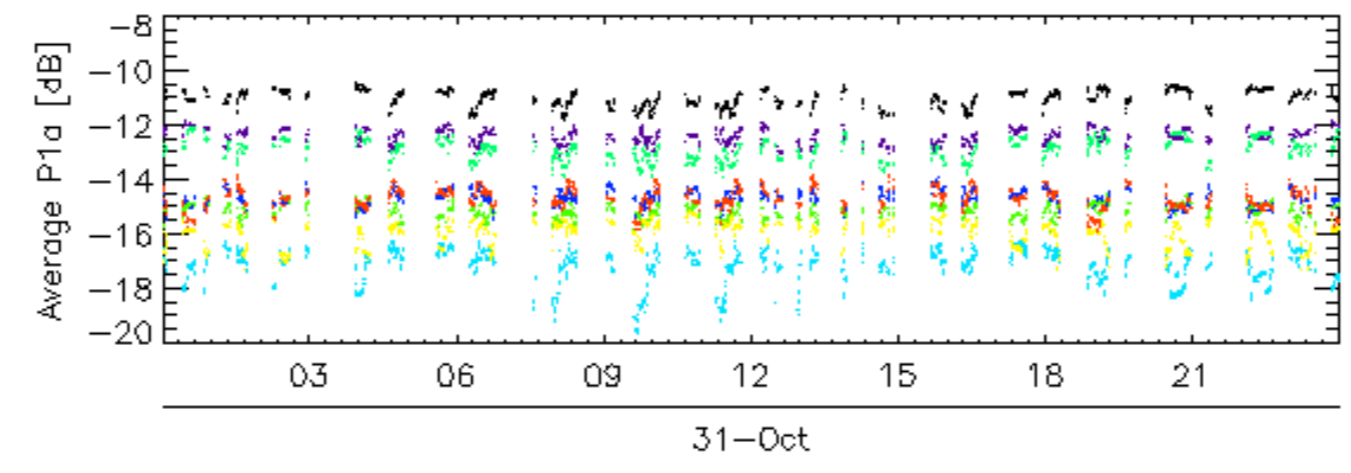
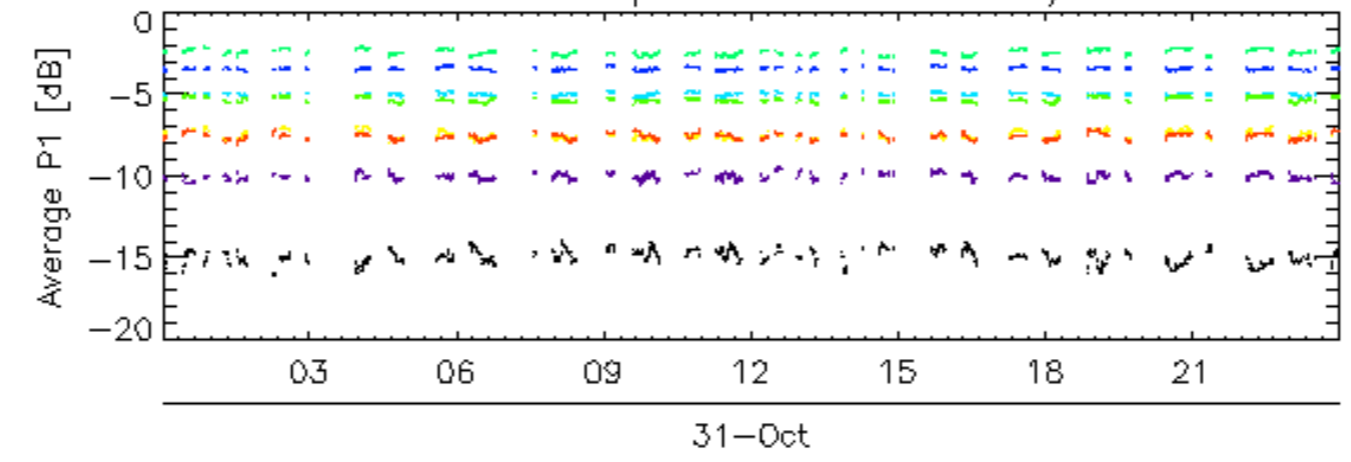


Calibration pulses for GM1 SS3 H/H



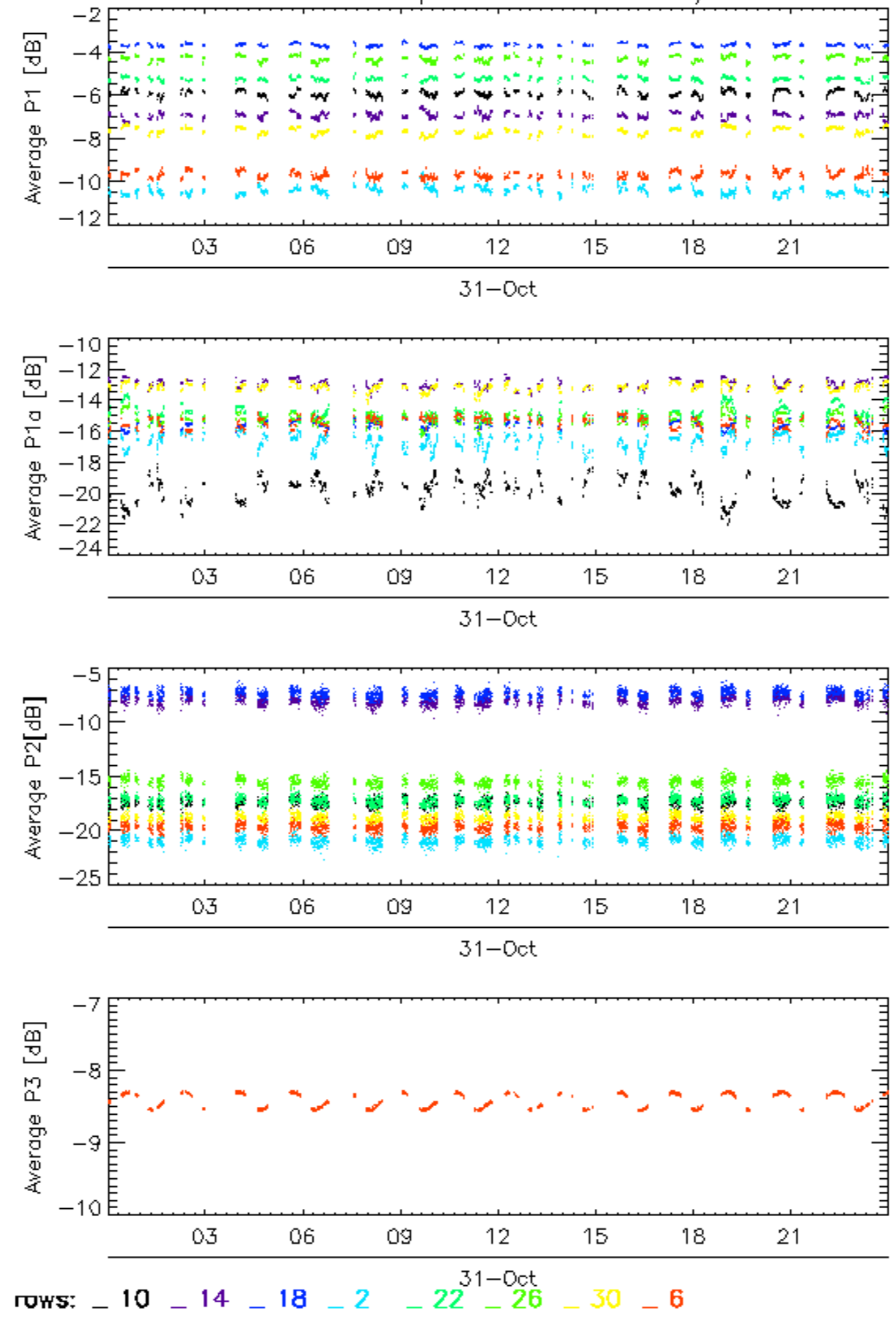
rows: 12 16 20 24 28 32 4 8

Calibration pulses for WVS IS2 V/V

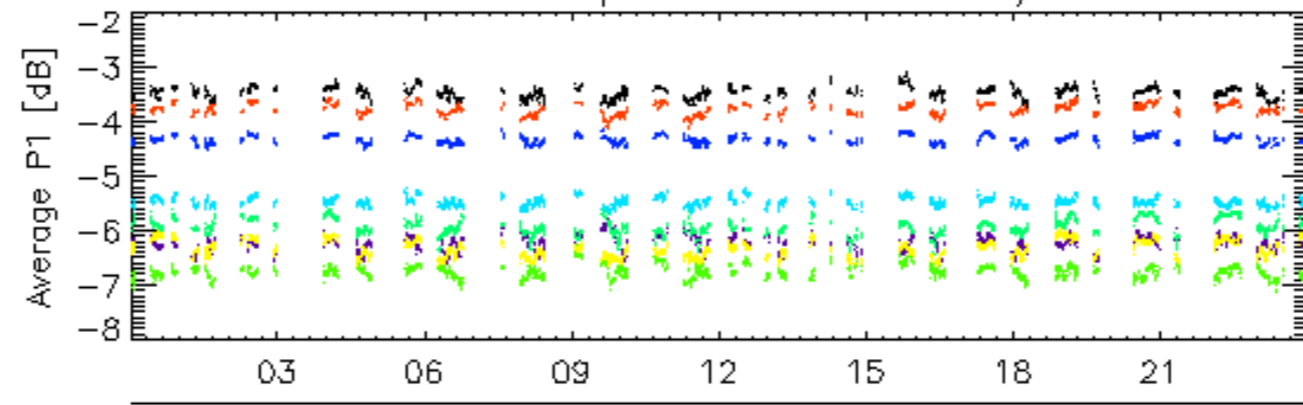


rows: 1 13 17 21 25 29 5 9

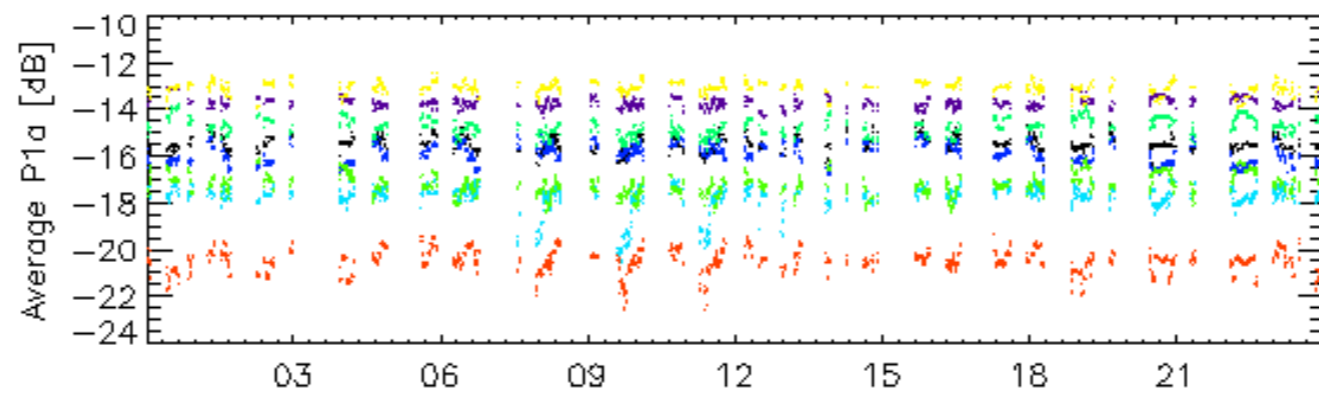
Calibration pulses for WVS IS2 V/V



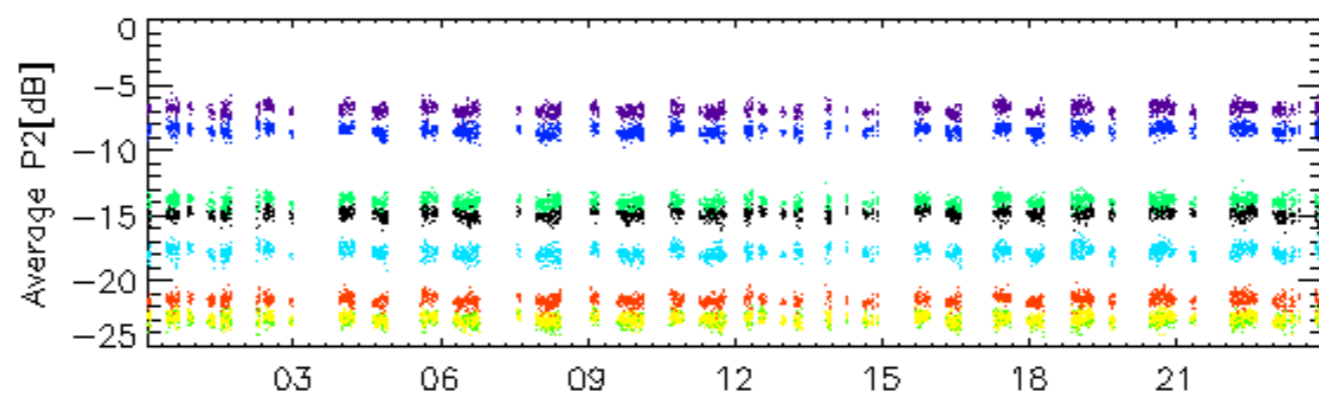
Calibration pulses for WVS IS2 V/V



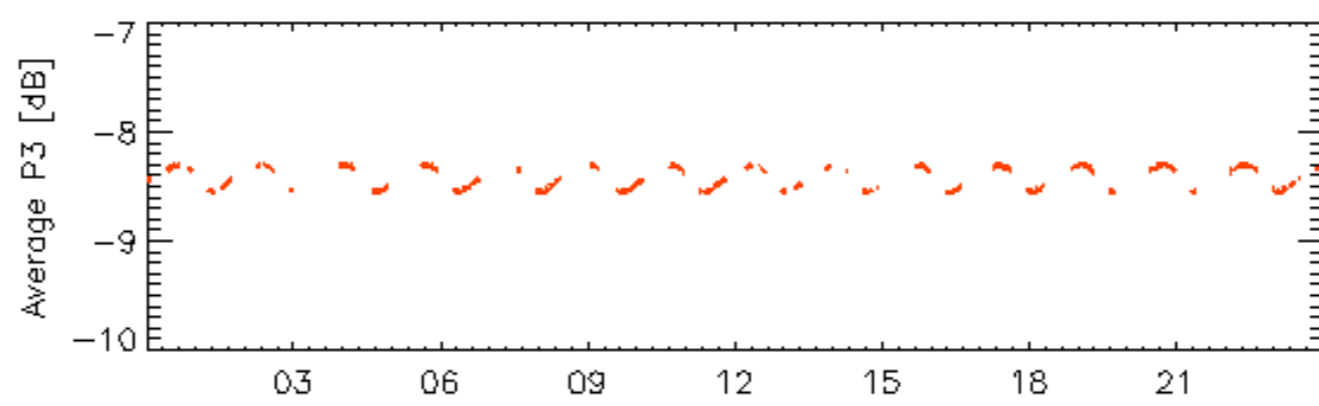
31-Oct



31-Oct

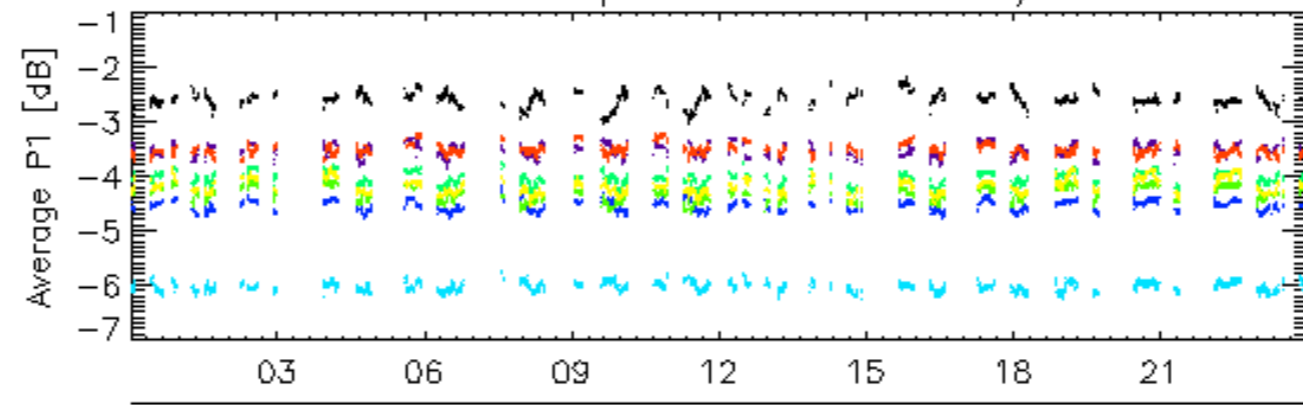


31-Oct

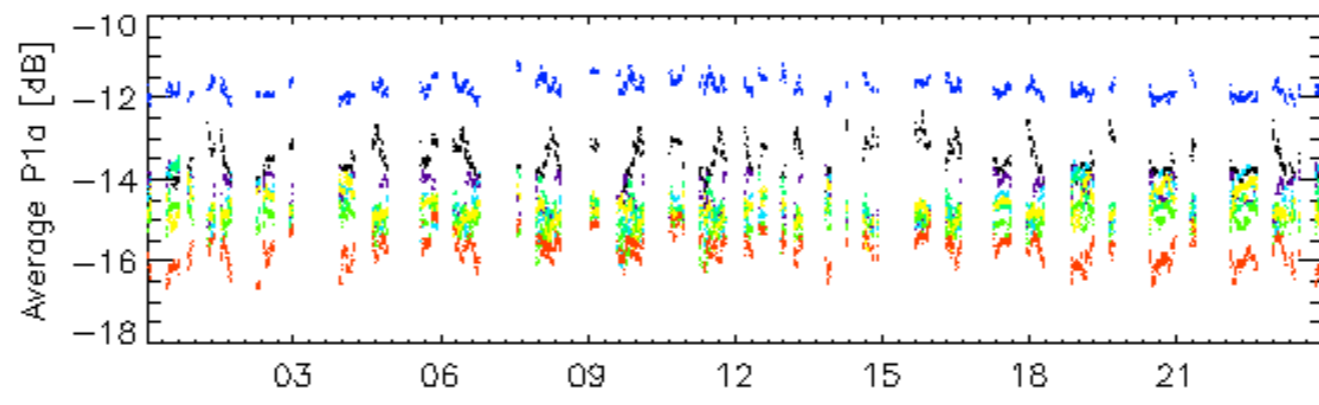


rows: _ 11 _ 15 _ 19 _ 23 _ 27 _ 31 _ 7

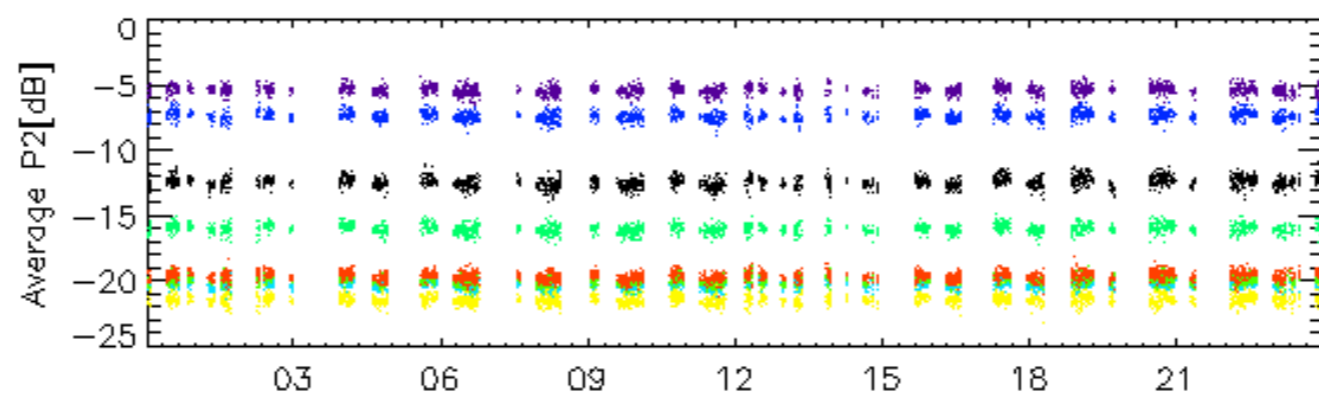
Calibration pulses for WVS IS2 V/V



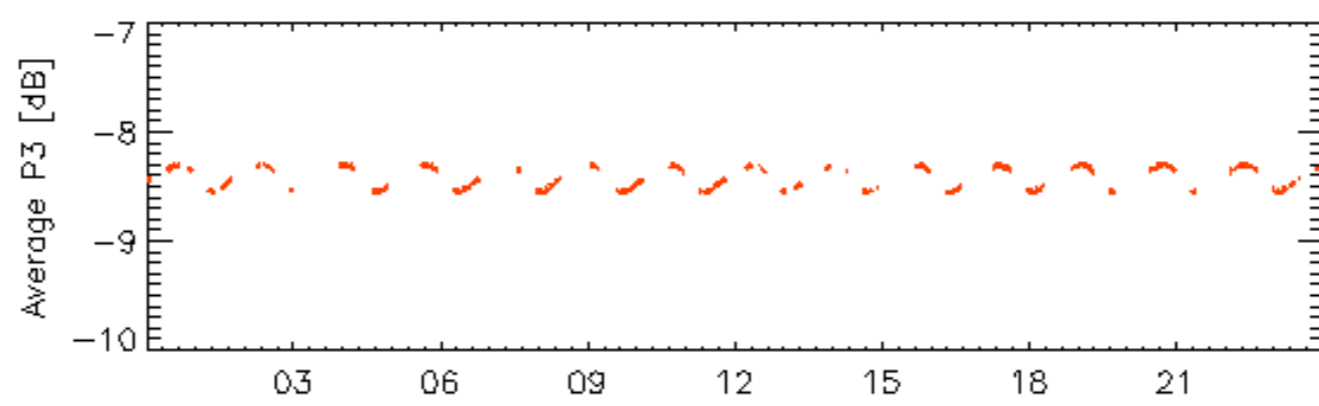
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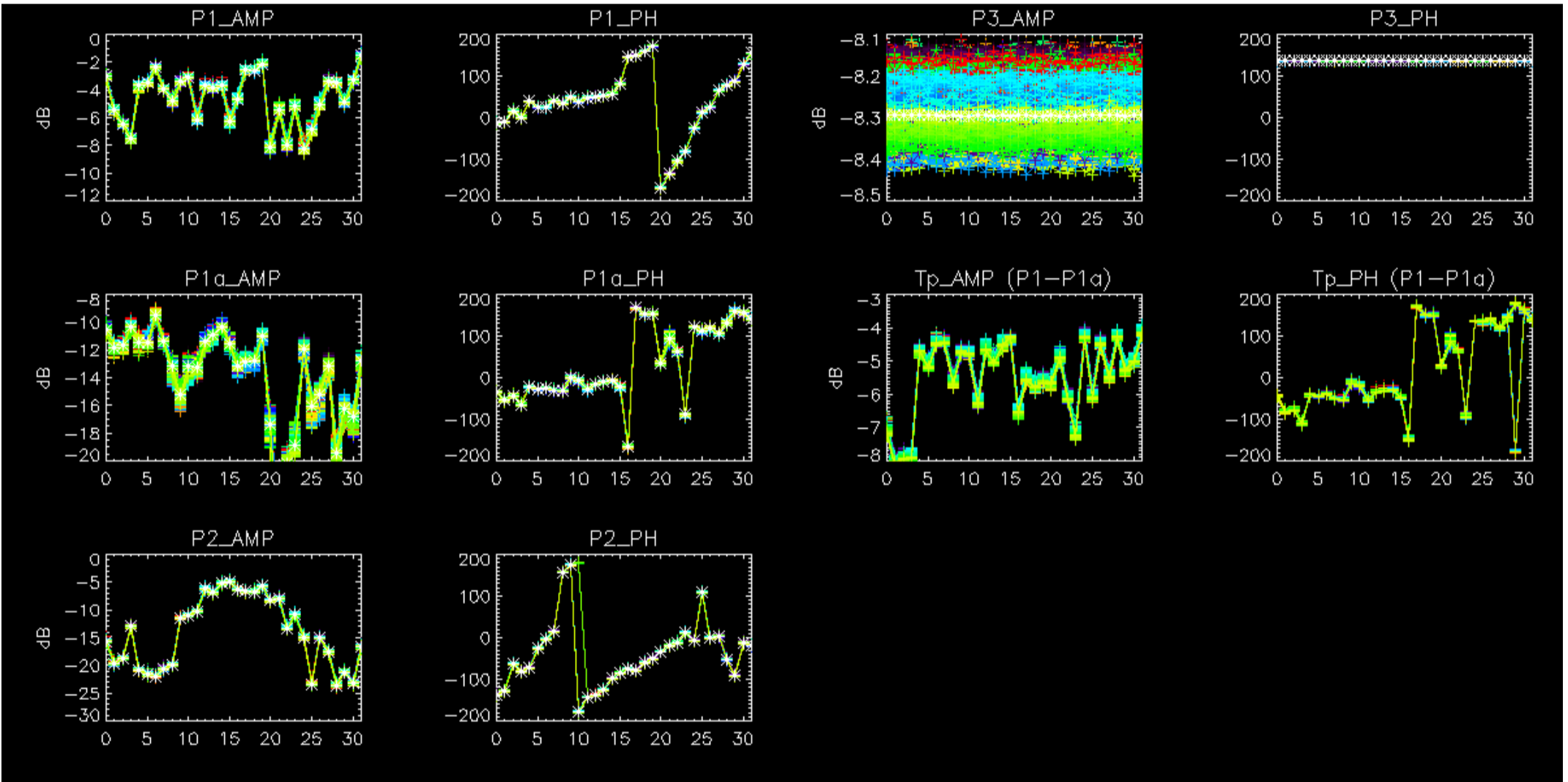
31-Oct

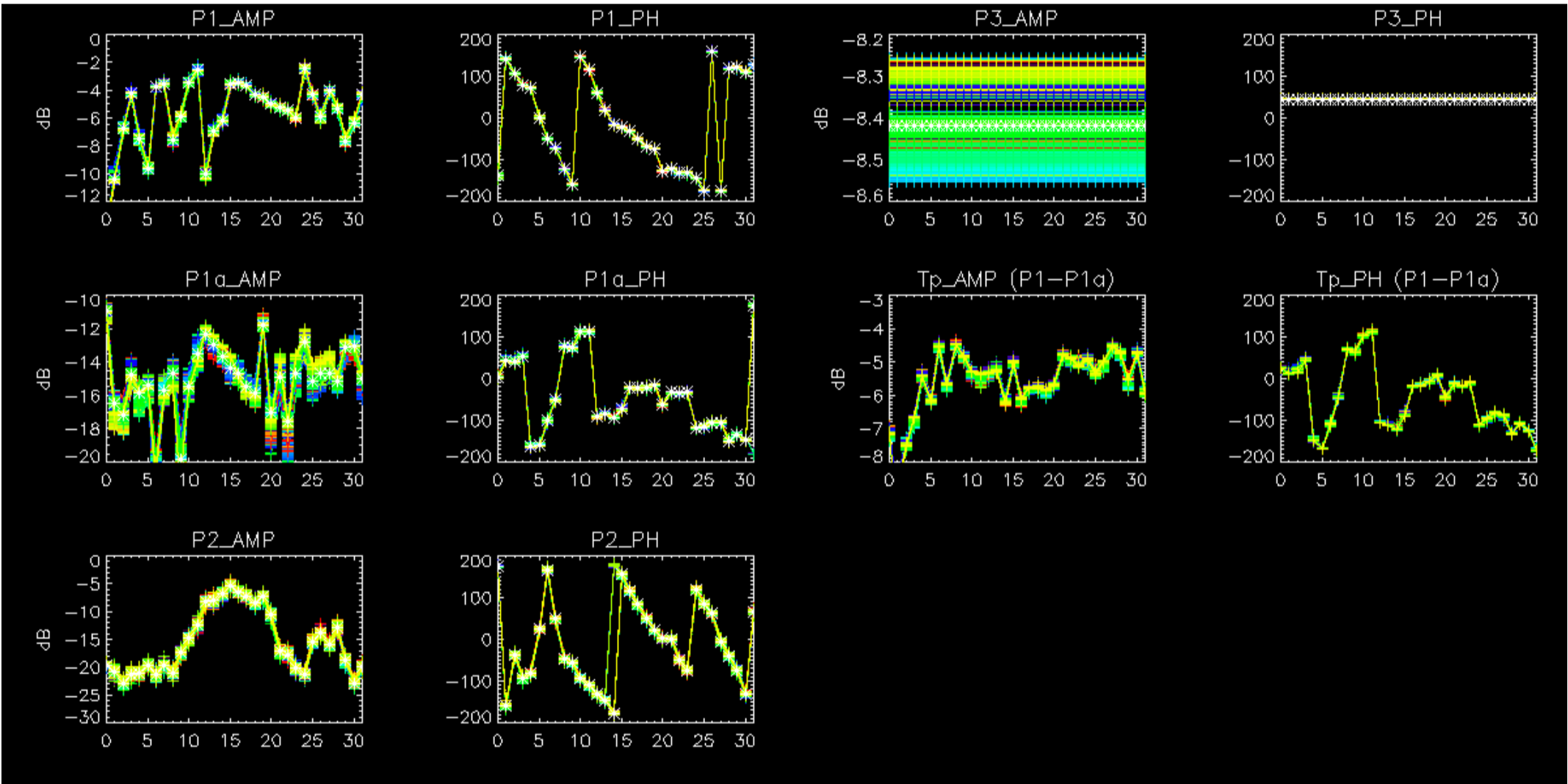


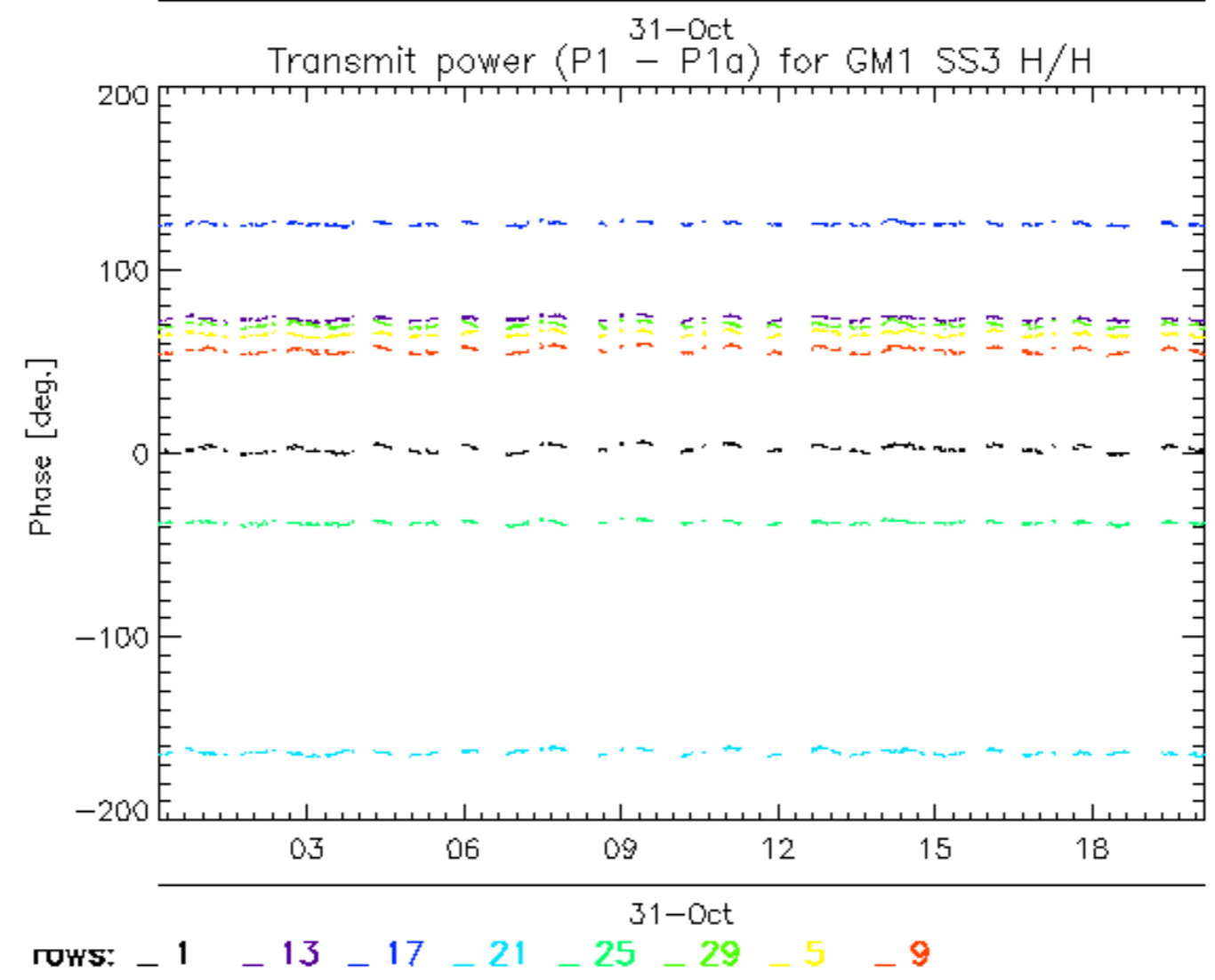
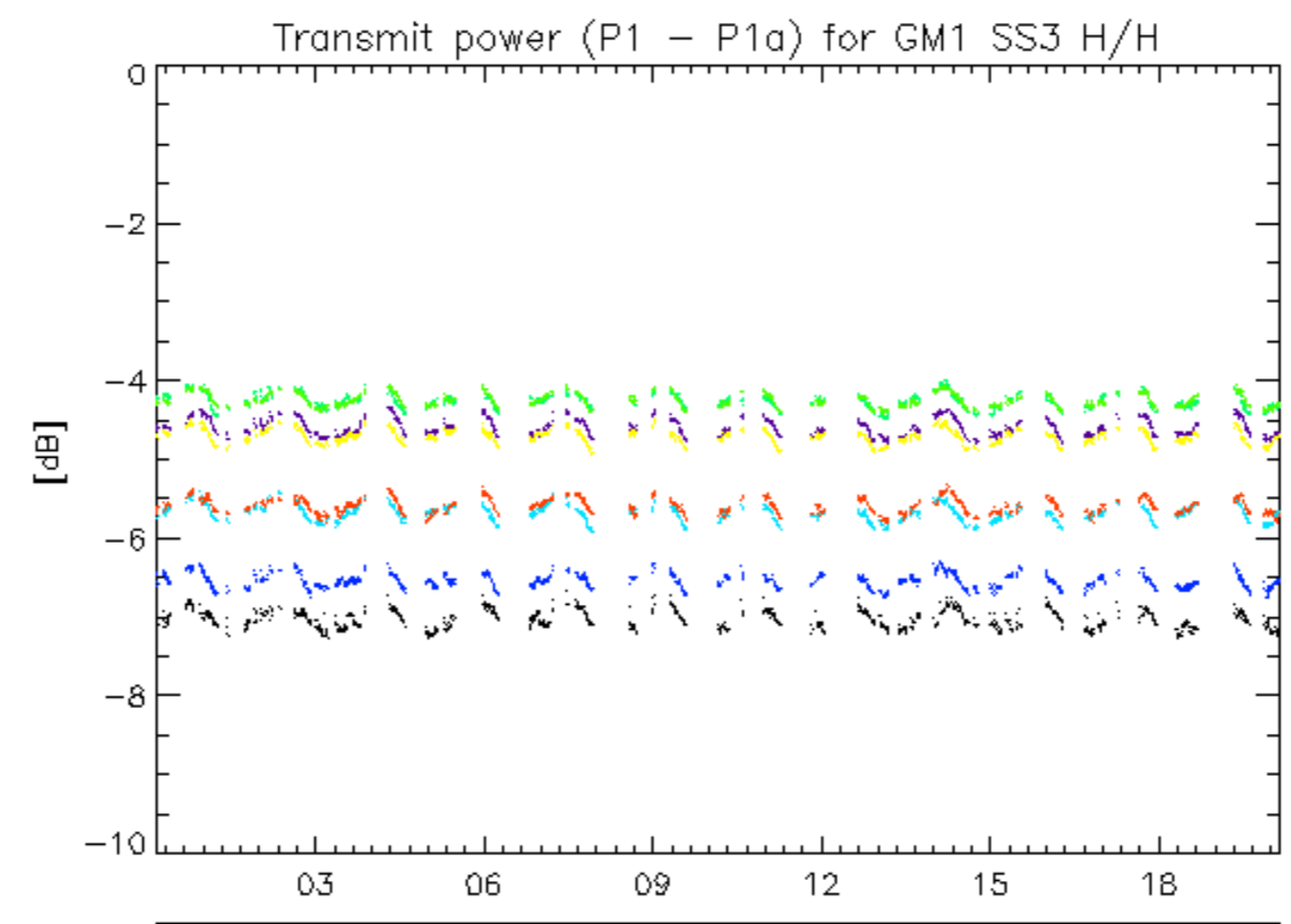
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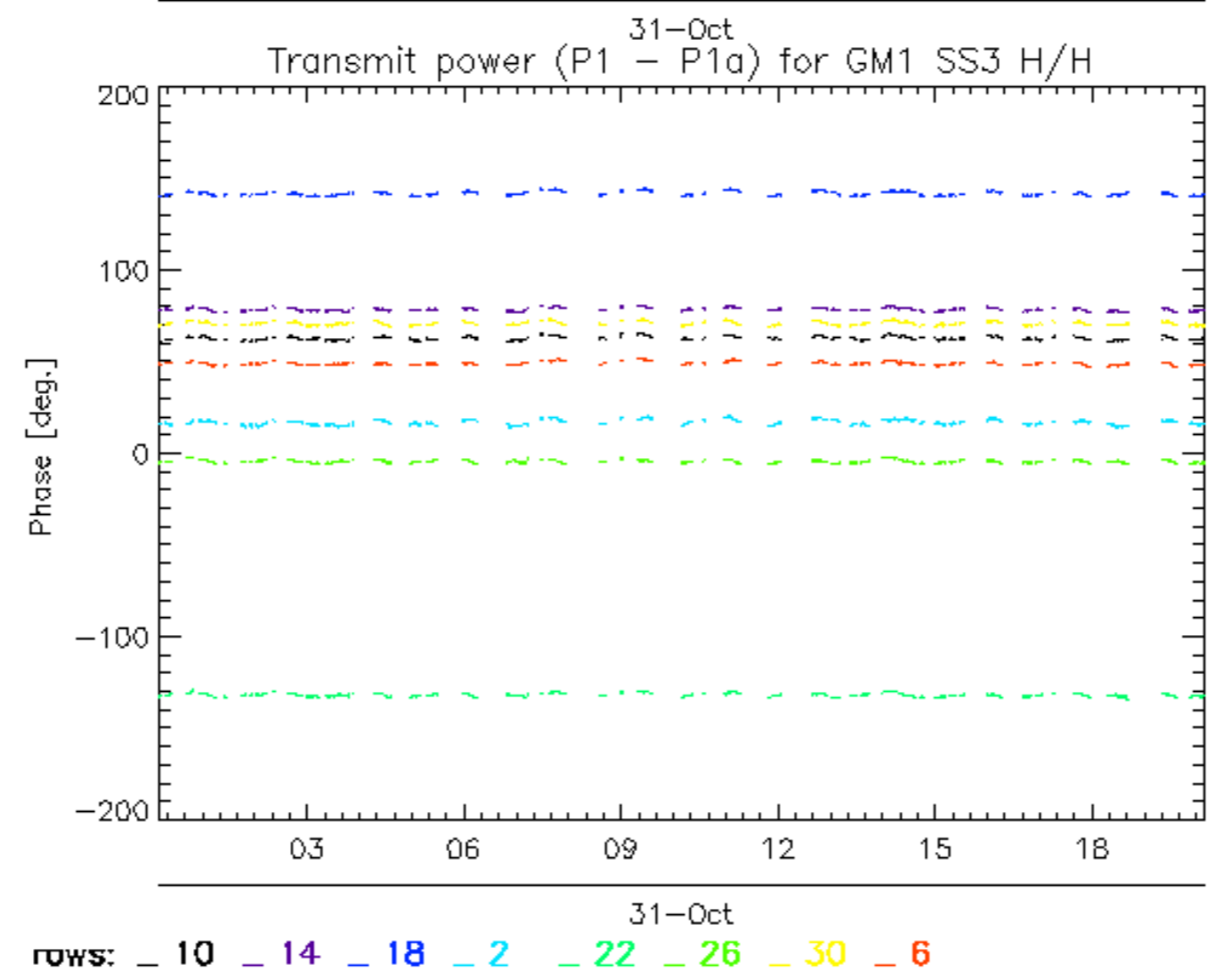
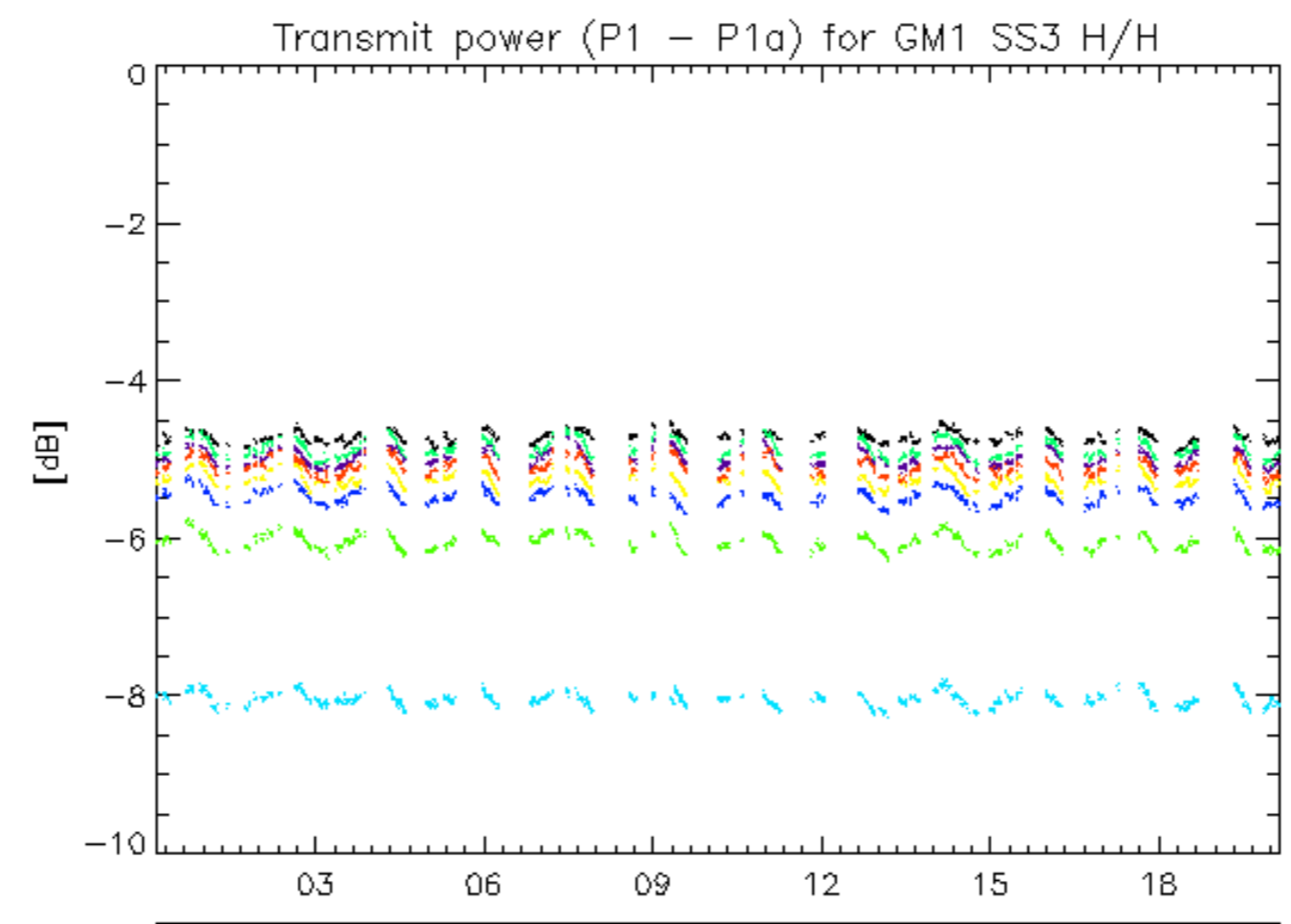


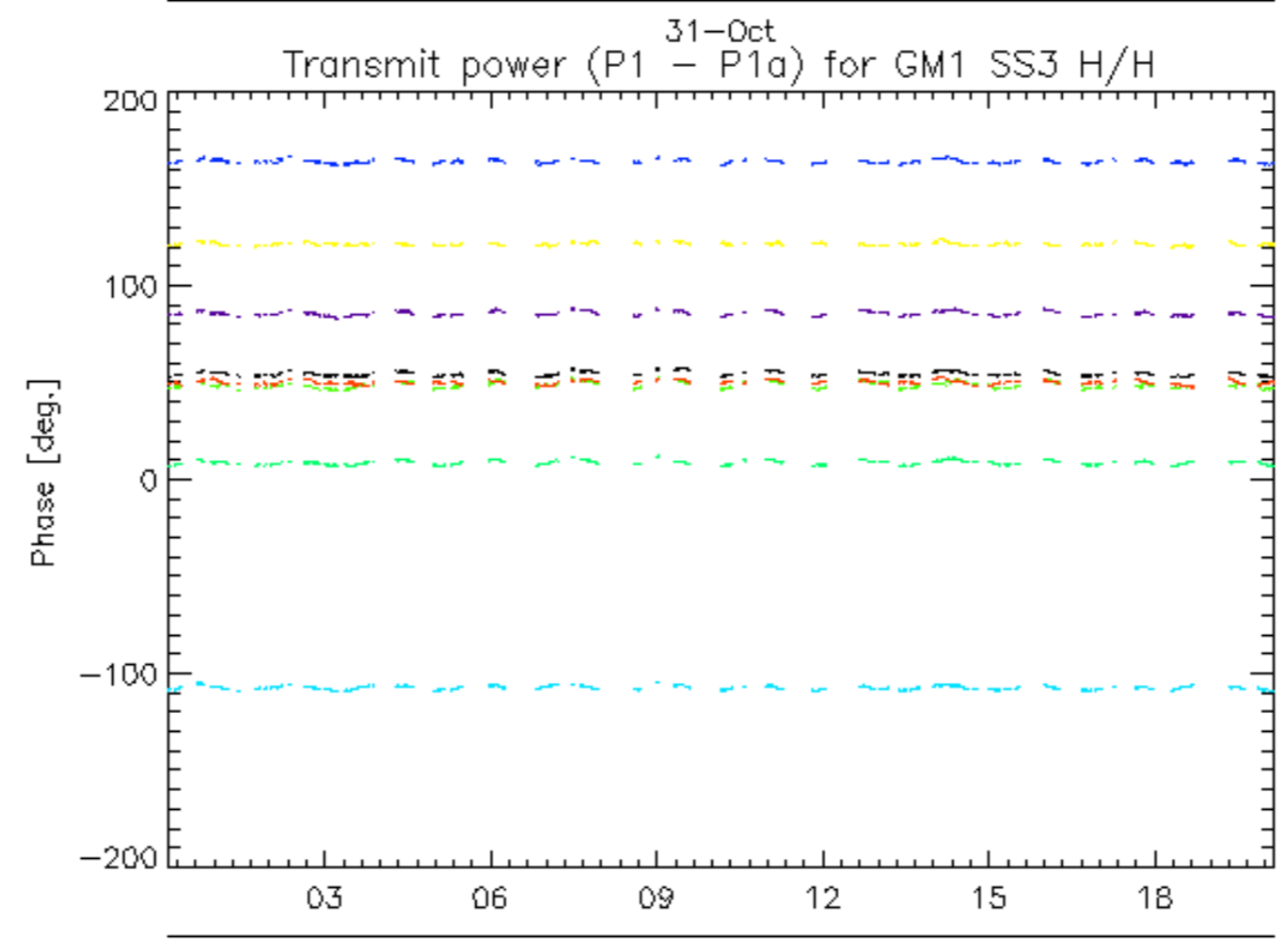
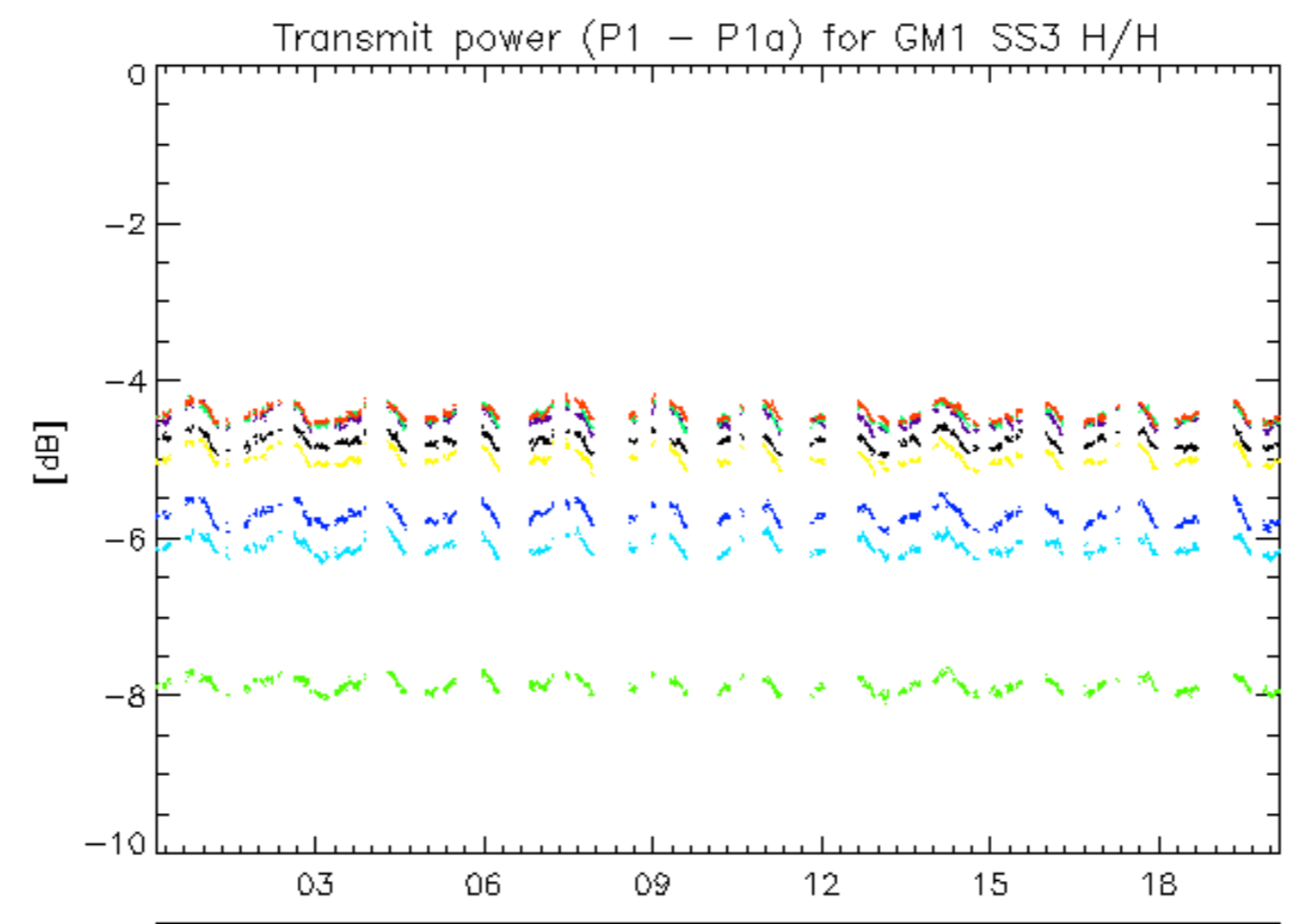
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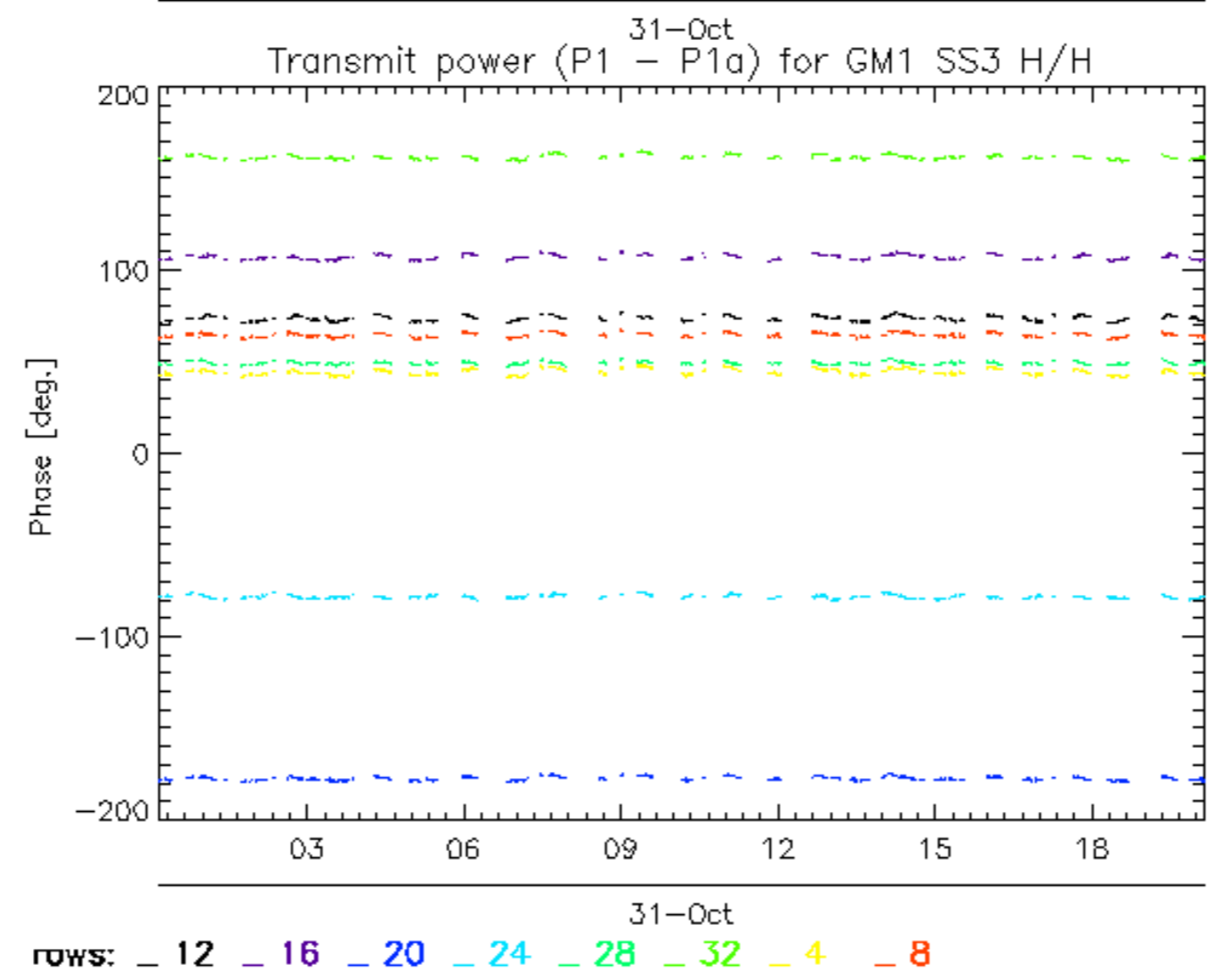
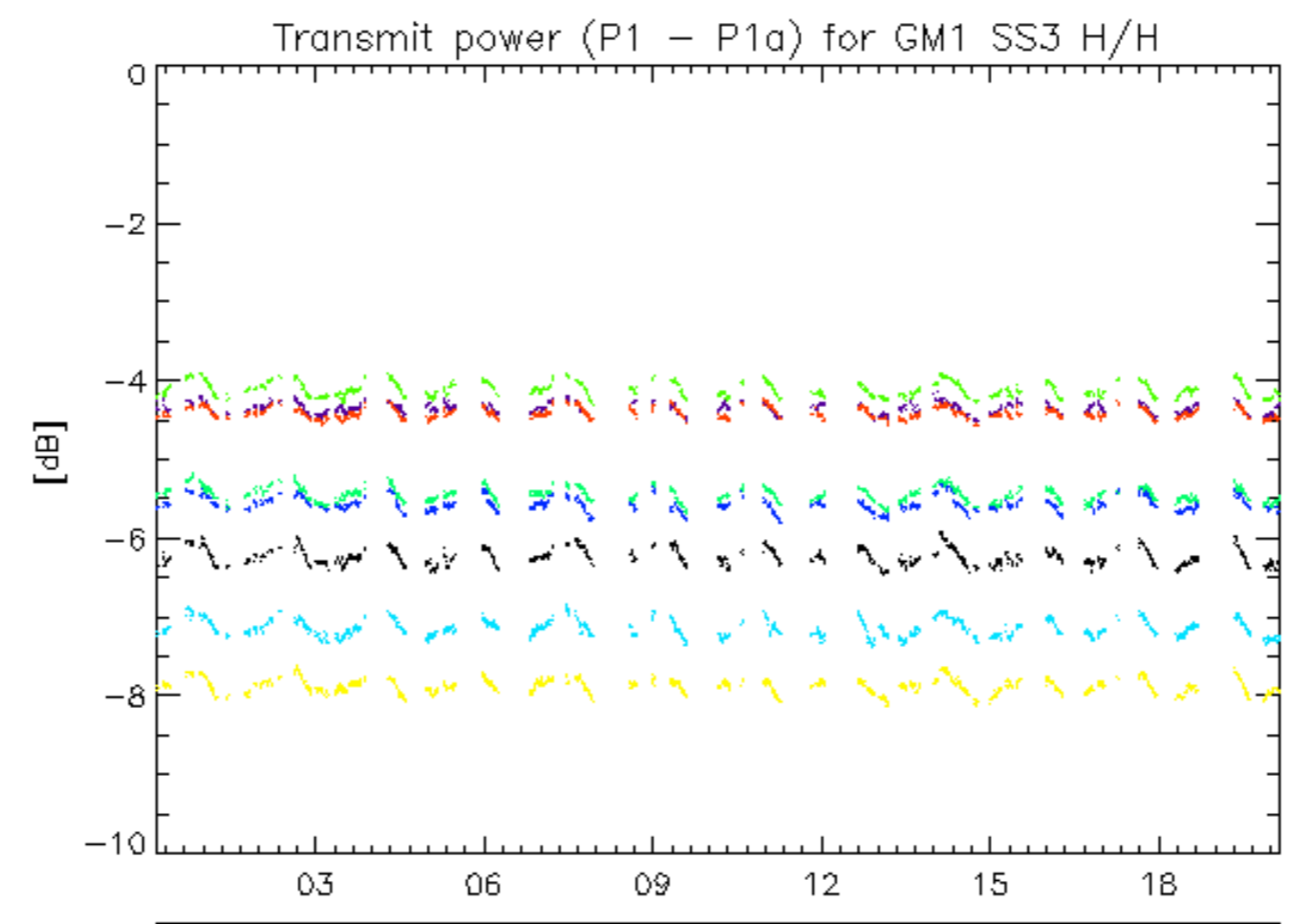


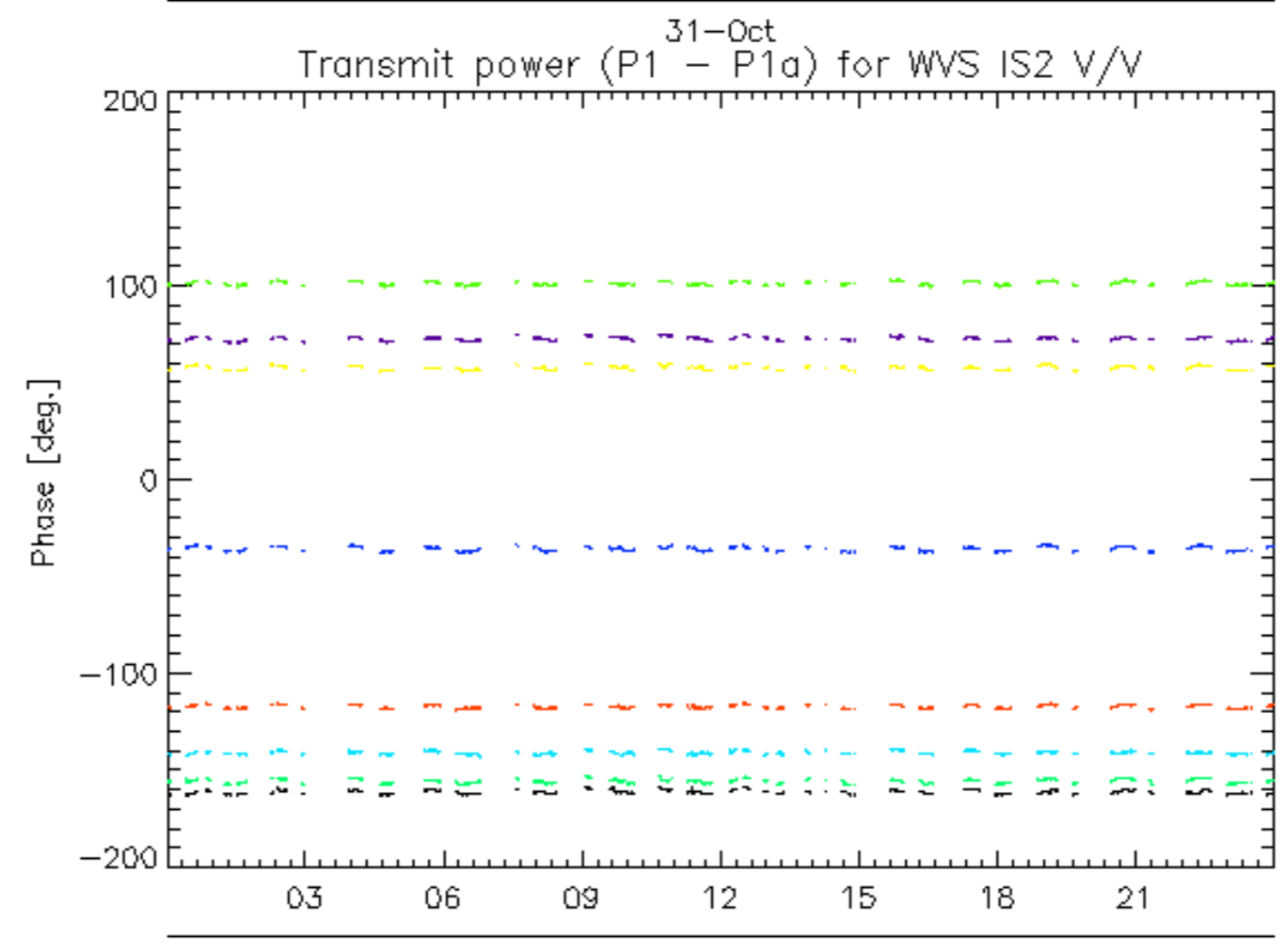
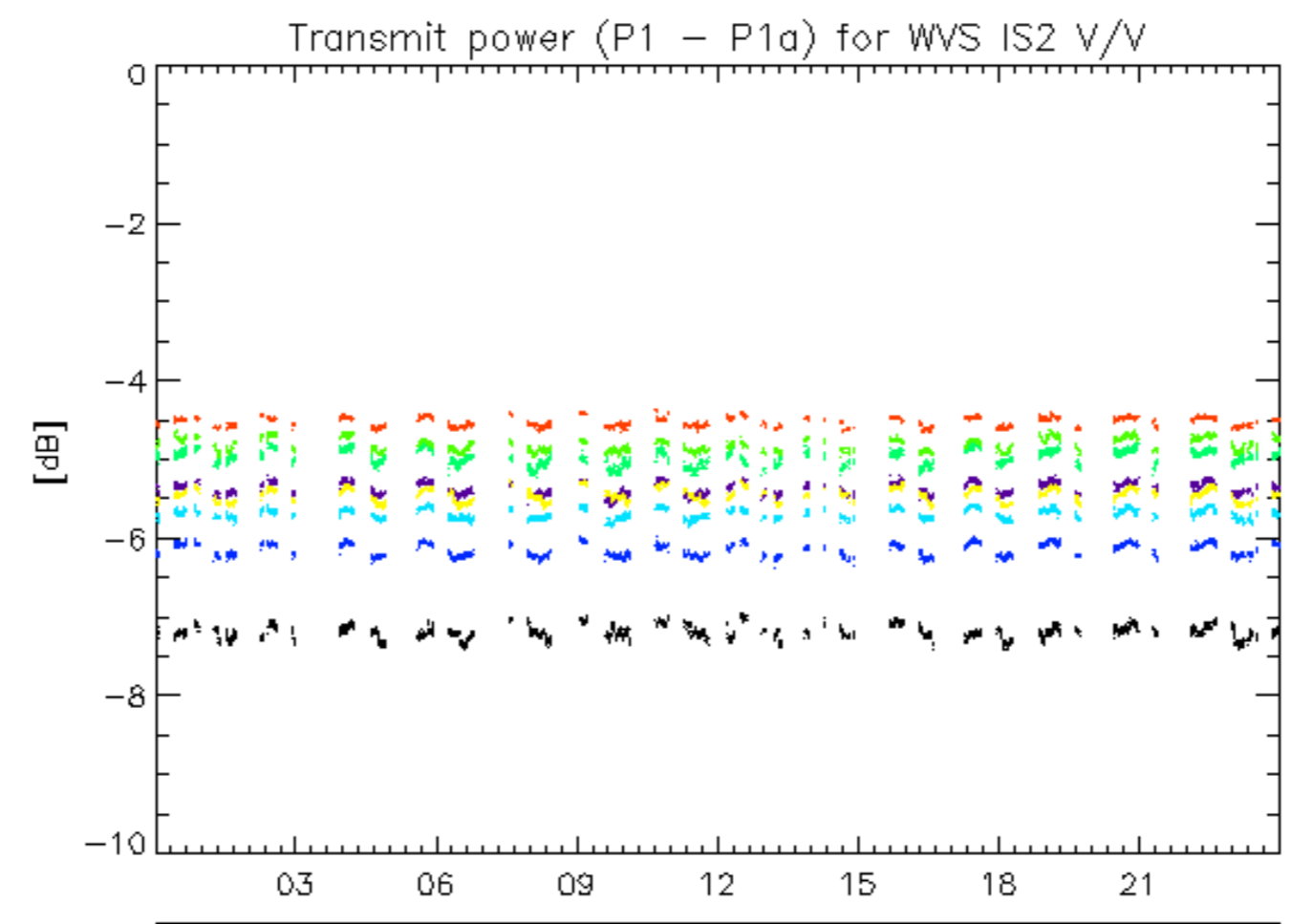




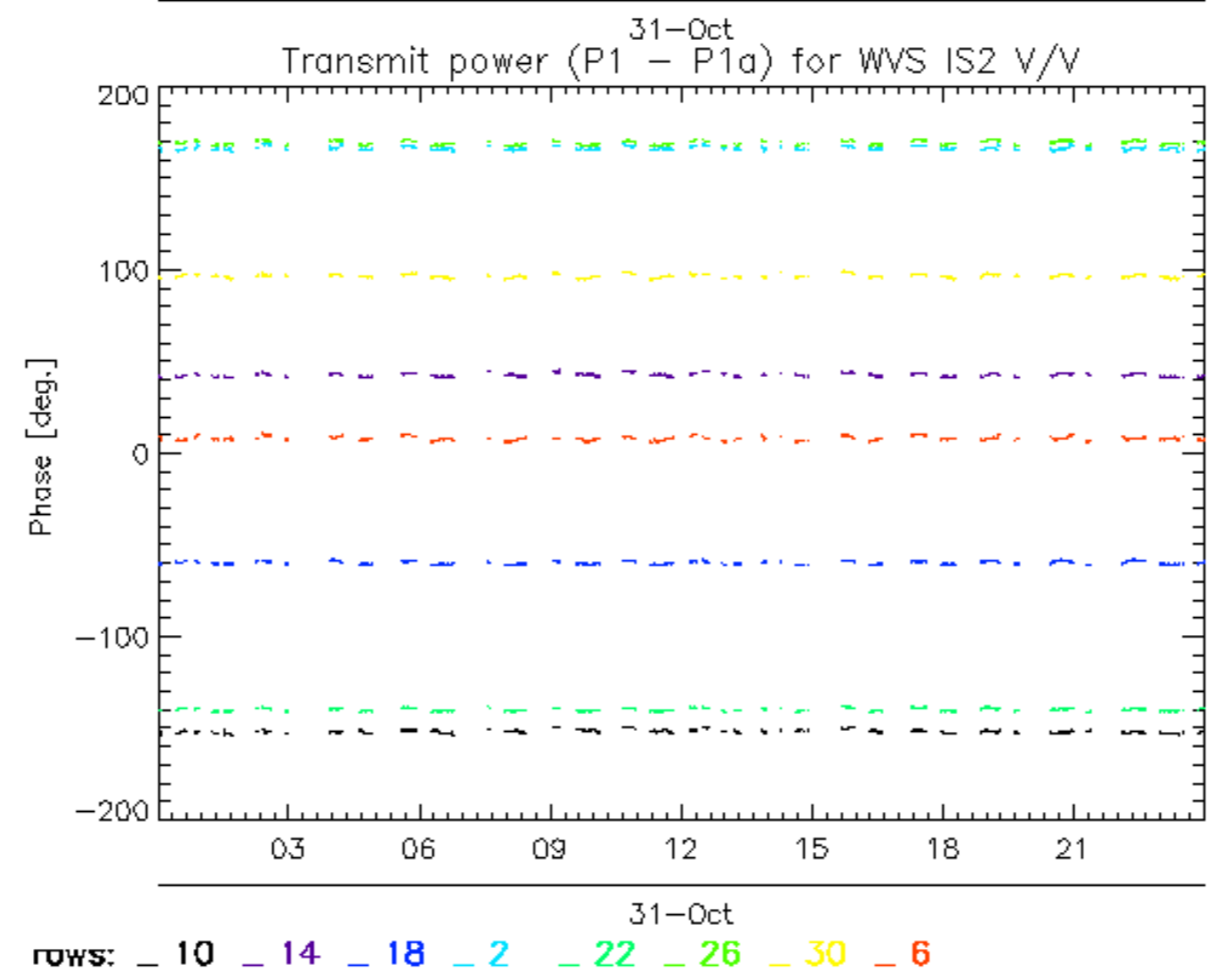
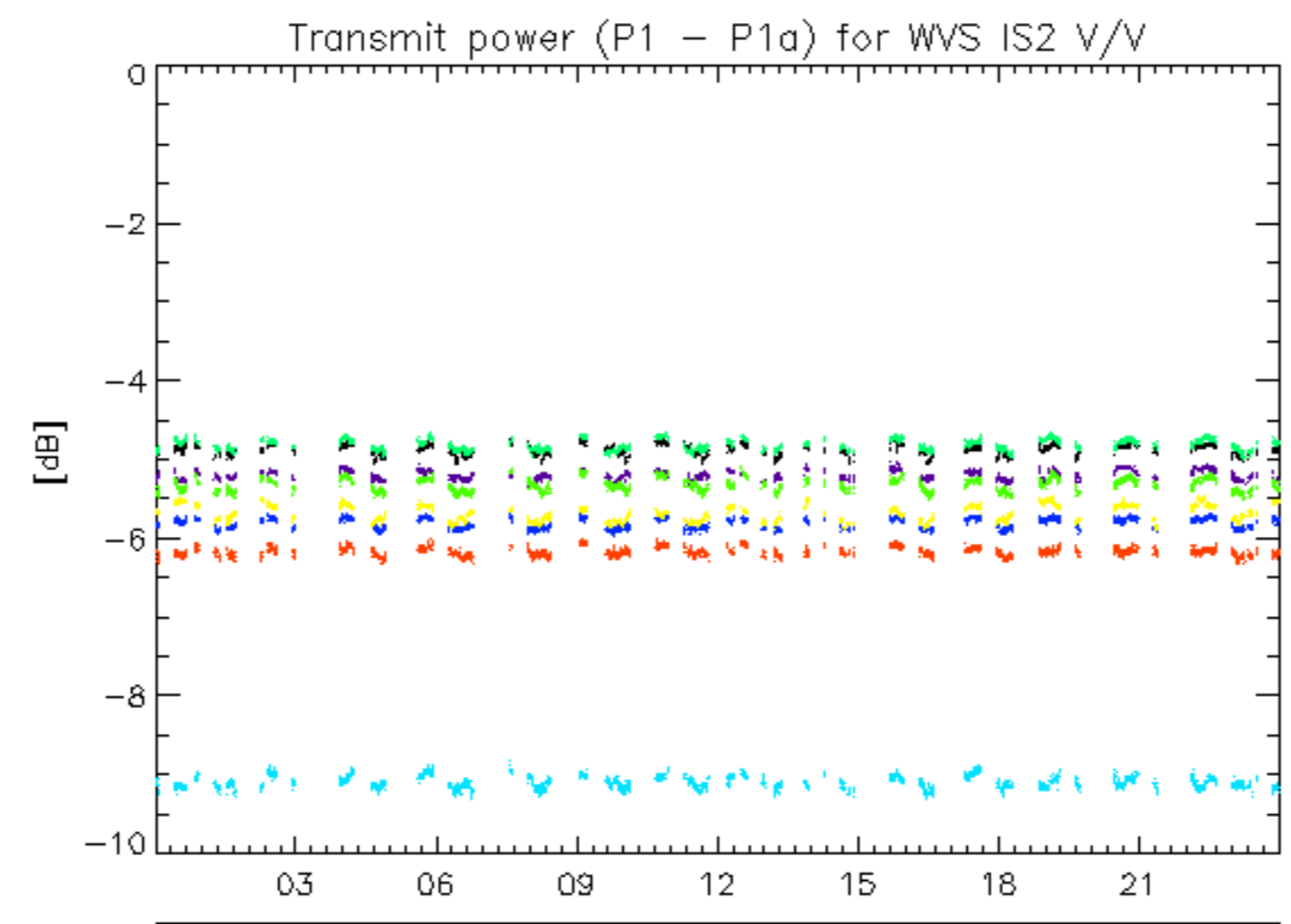


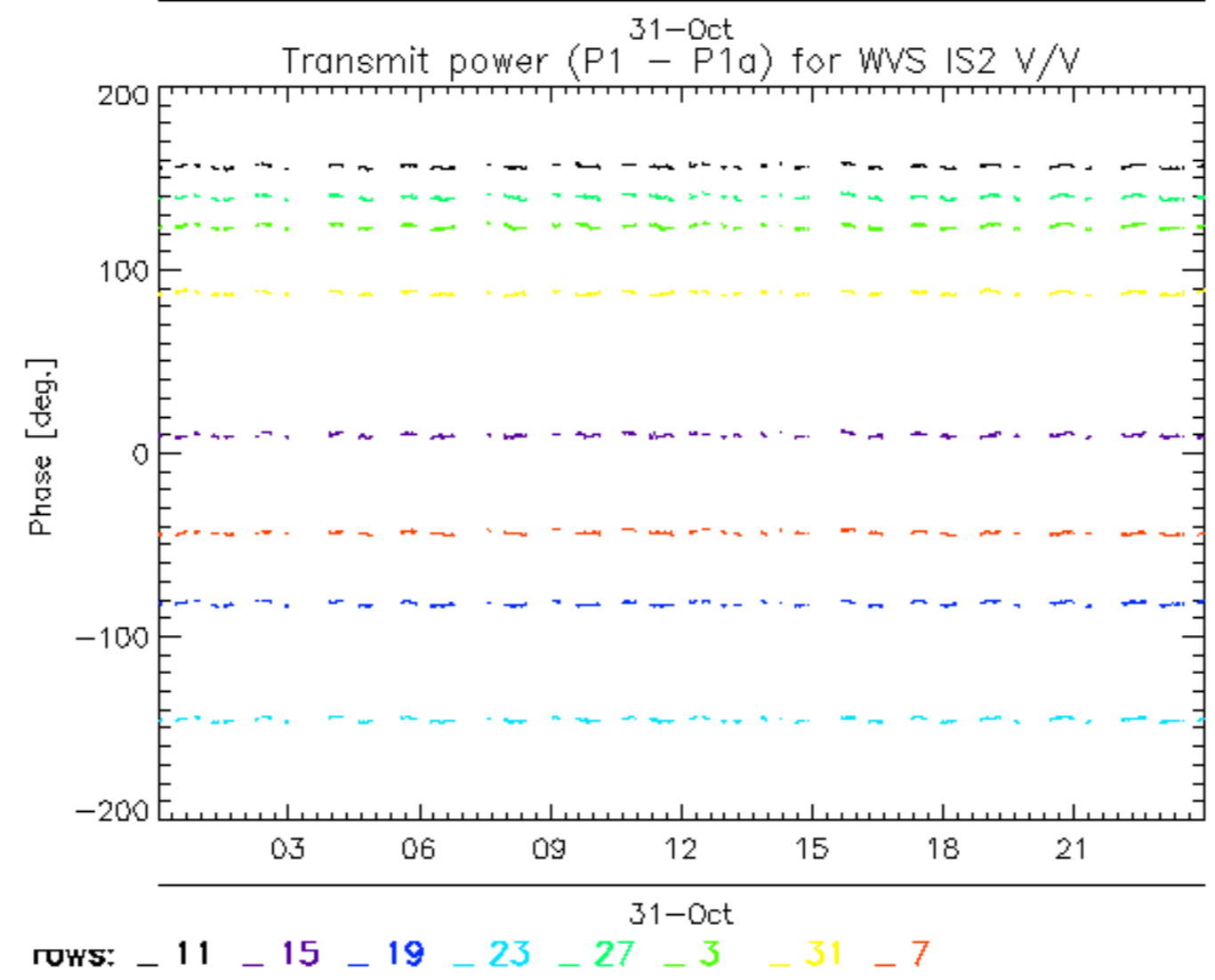
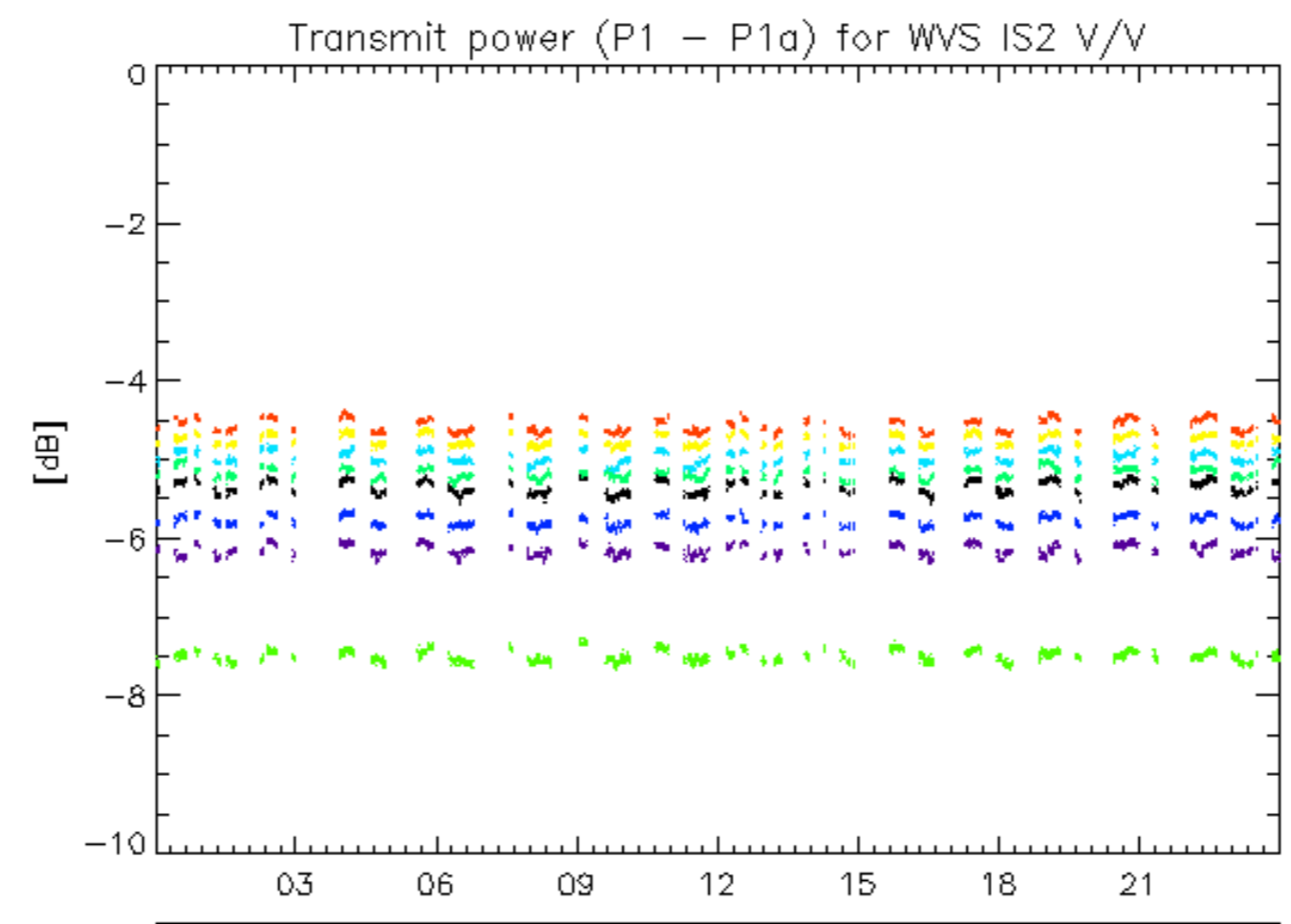
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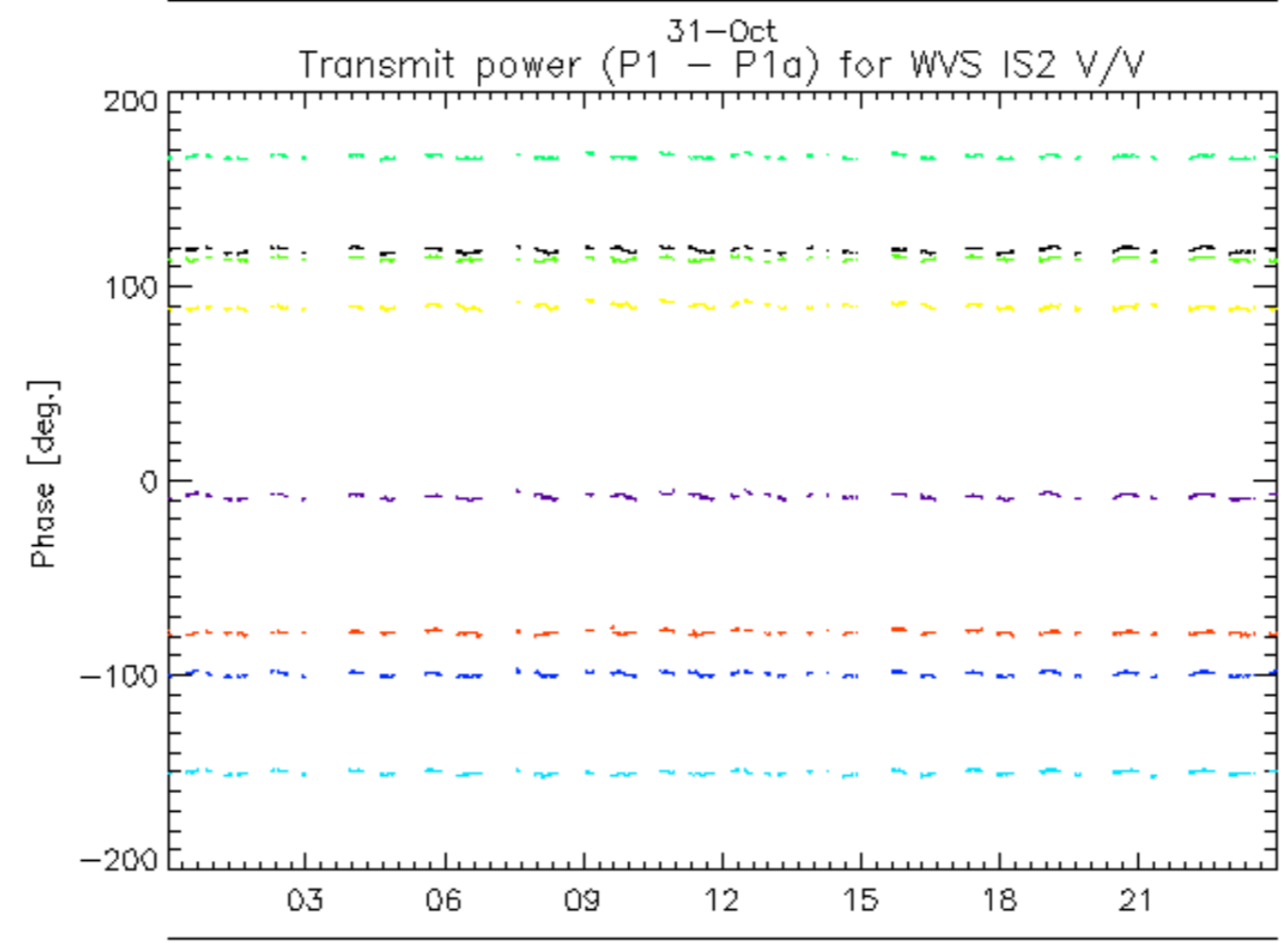
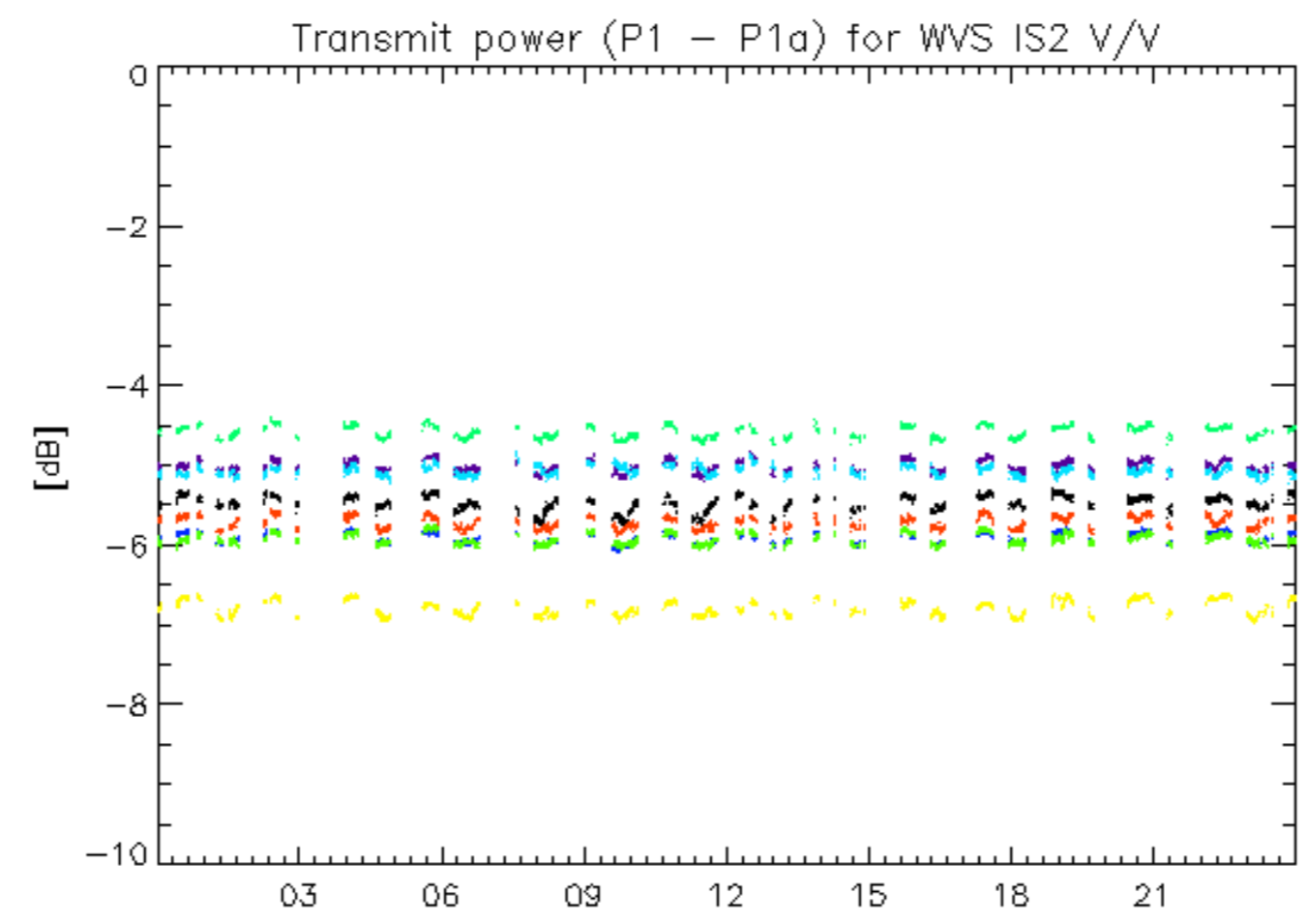




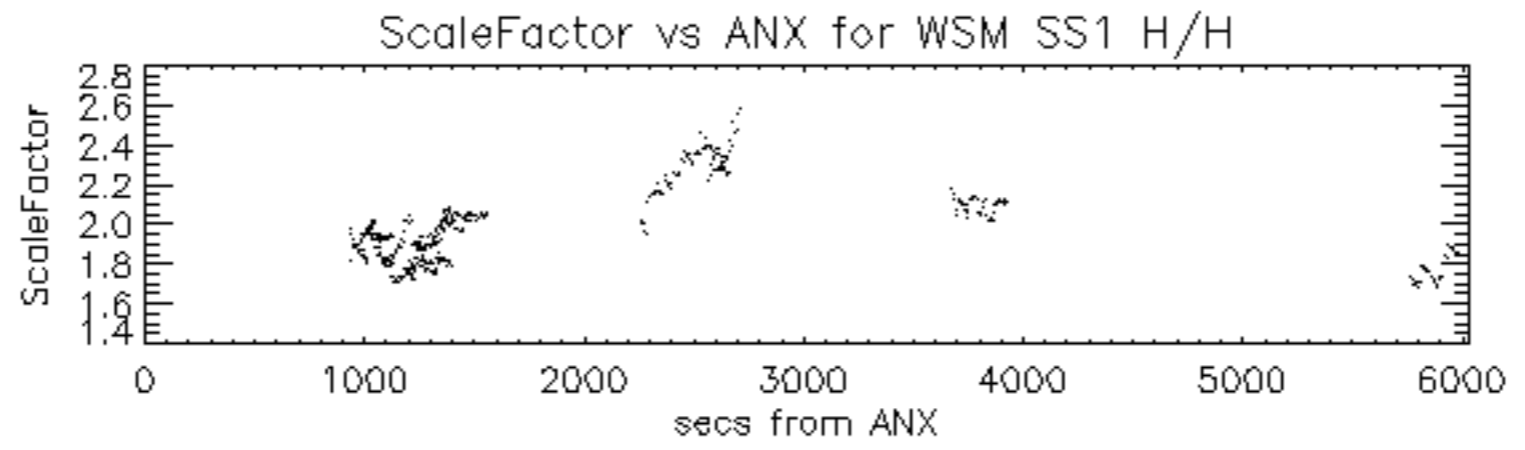
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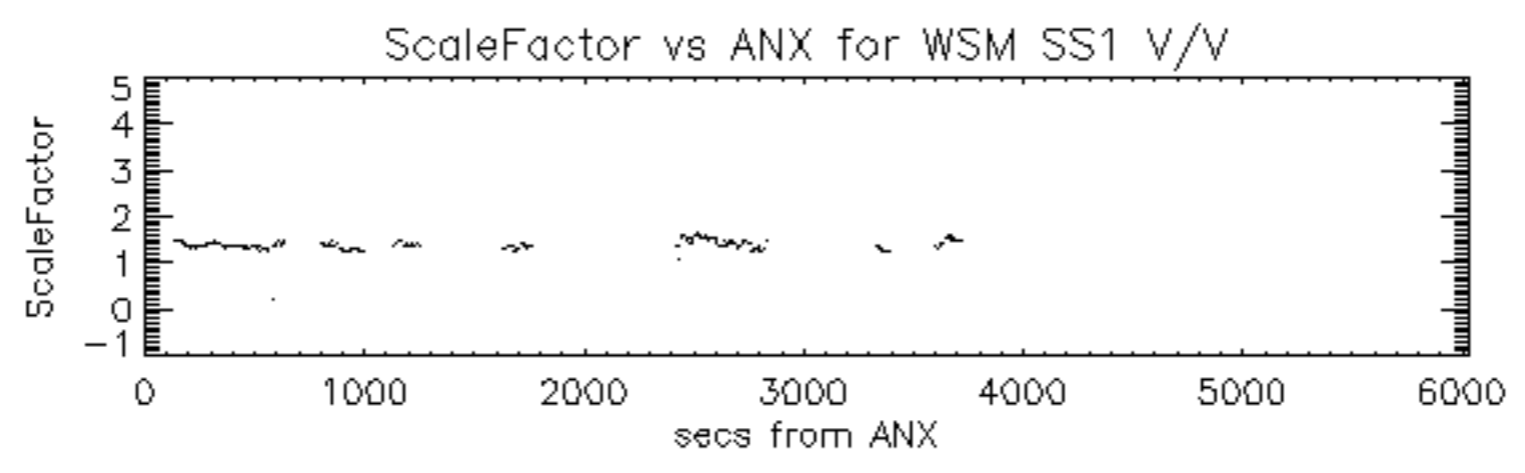


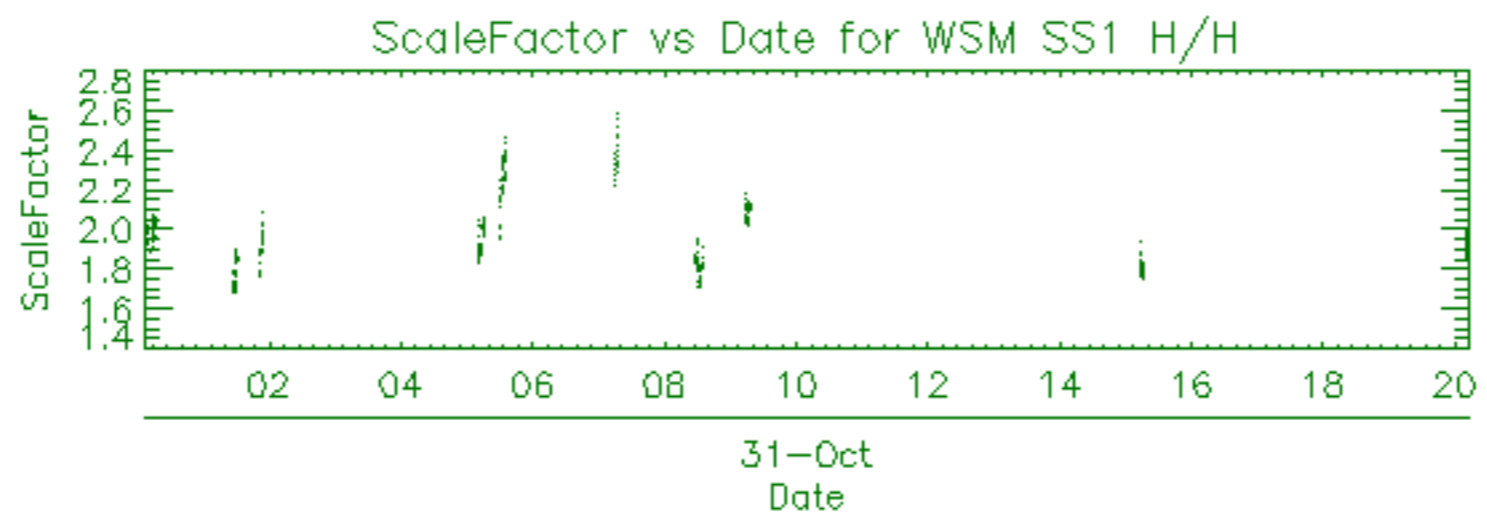


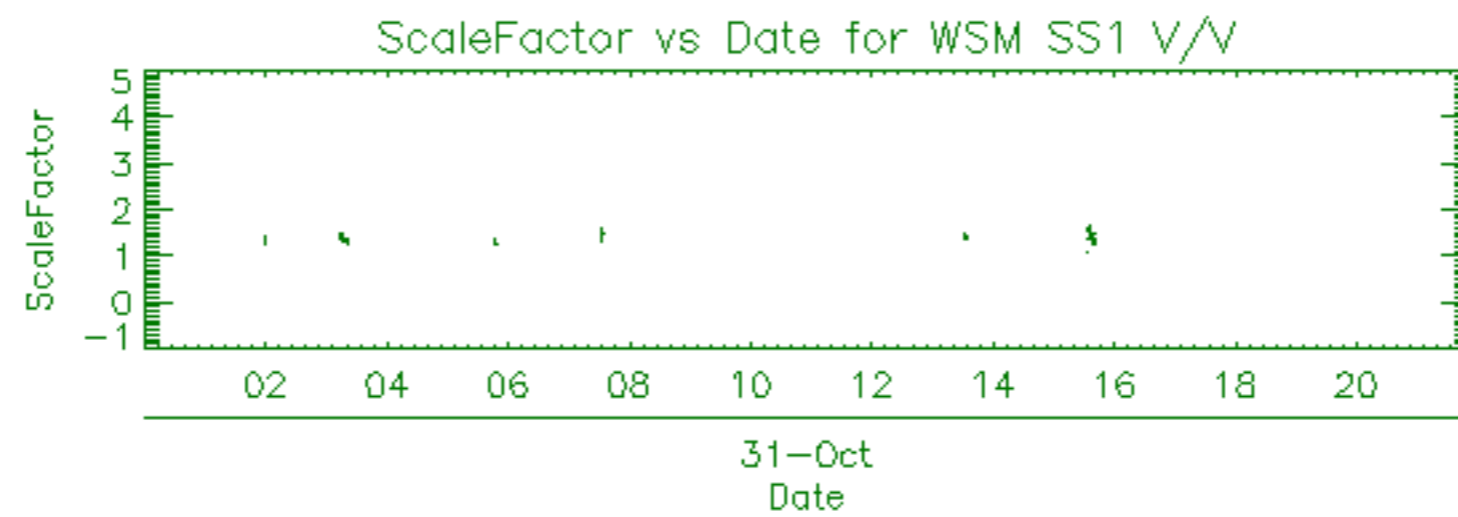


rows: _ 12 _ 16 _ 20 _ 24 _ 28 _ 32 _ 4 _ 8









Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_APM_1PNPDE20111031_020615_000001023108_00118_50563_4469.N1						IS6	V/H	108	50563	118	5.04
ASA_APM_1PNPDE20111031_022018_000000433108_00118_50563_4470.N1						IS1	V/H	108	50563	118	5.04
ASA_APM_1PNPDE20111031_022257_000000703108_00118_50563_4471.N1						IS4	H/H	108	50563	118	5.04
ASA_APM_1PNPDE20111031_035424_000000943108_00119_50564_4460.N1						IS4	H/H	108	50564	119	5.04
ASA_APM_1PNPDE20111031_045633_000000423108_00120_50565_4513.N1						IS4	V/H	108	50565	120	5.04
ASA_APM_1PNPDE20111031_072232_000001953108_00121_50566_4553.N1						IS4	V/H	108	50566	121	5.04
ASA_APM_1PNPDE20111031_072550_000000423108_00121_50566_4554.N1						IS4	H/H	108	50566	121	5.04
ASA_APM_1PNPDK20111031_090051_000000433108_00122_50567_7978.N1						IS1	V/H	108	50567	122	5.04
ASA_APM_1PNPDK20111031_090330_000000433108_00122_50567_7977.N1						IS1	V/H	108	50567	122	5.04

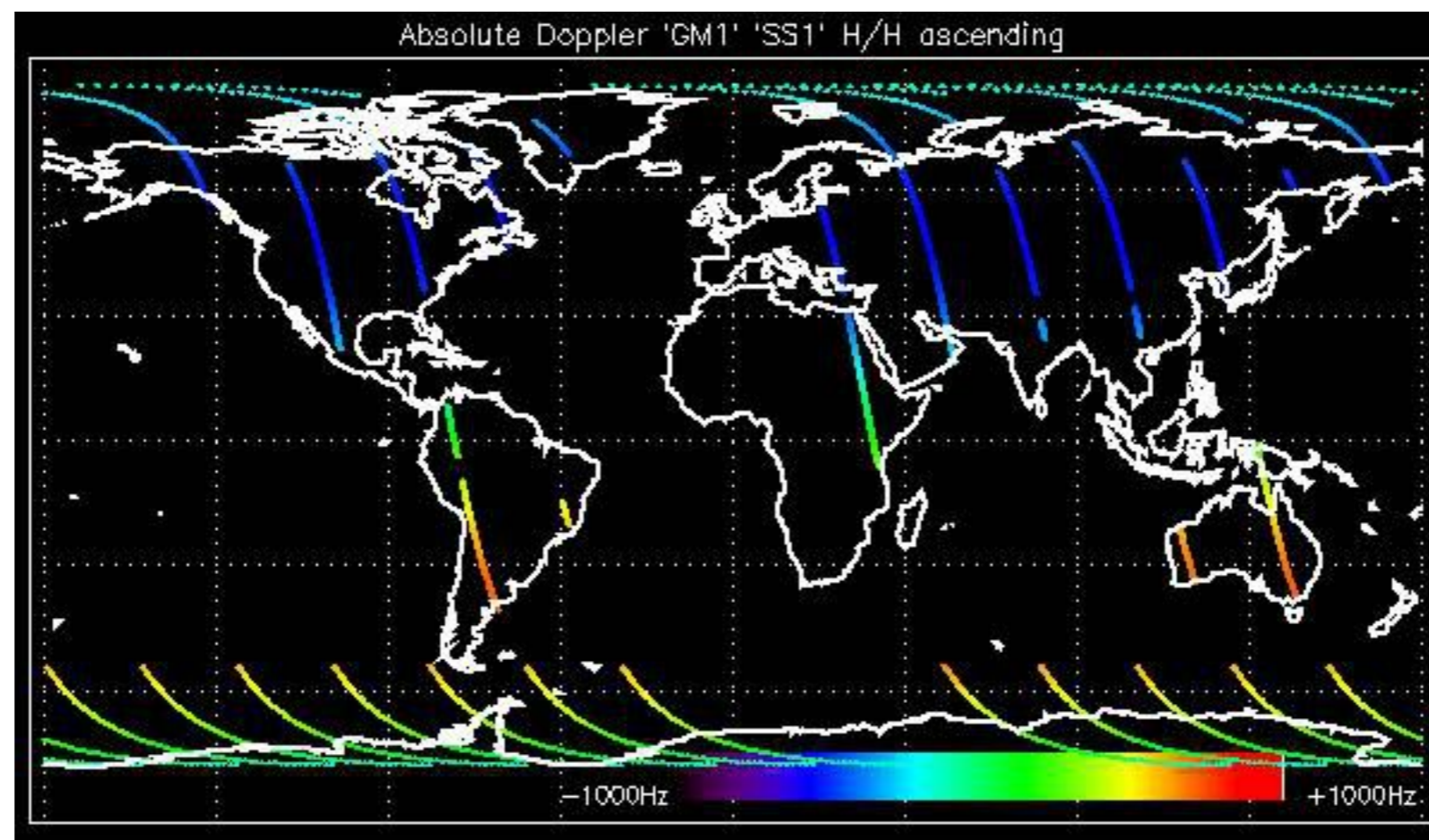
Filename	Beam	Pol	CycleNumber	absOrbit	relOrbit	procVersion					
ASA_GM1_1PNPDE20111031_001010_000001443108_00117_50562_4425.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_001722_000004413108_00117_50562_4428.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_004144_000001143108_00117_50562_4427.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_004434_000003563108_00117_50562_4433.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_005641_000011363108_00117_50562_4430.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_012516_000001023108_00117_50562_4464.N1						SS1	H/H	108	50562	117	5.04
ASA_GM1_1PNPDE20111031_014408_000004043108_00118_50563_4466.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_015440_000002233108_00118_50563_4465.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_020101_000003143108_00118_50563_4468.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_020818_000001023108_00118_50563_4467.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_021135_000002173108_00118_50563_4481.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_022122_000000903108_00118_50563_4480.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_023655_000011363108_00118_50563_4477.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_025939_000001383108_00118_50563_4476.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_030201_000003983108_00118_50563_4474.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_031010_000002113108_00118_50563_4473.N1						SS1	H/H	108	50563	118	5.04
ASA_GM1_1PNPDE20111031_032118_000016983108_00119_50564_4491.N1						SS1	H/H	108	50564	119	5.04
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ASA_GM1_1PNPDE20111031_041736_000011123108_00119_50564_4522.N1						SS1	H/H	108	50564	119	5.04
ASA_GM1_1PNPDE20111031_045736_000007613108_00120_50565_4521.N1						SS1	H/H	108	50565	120	5.04
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ASA_GM1_1PNPDK20111031_083859_000002113108_00122_50567_7976.N1						SS1	H/H	108	50567	122	5.04
ASA_GM1_1PNPDK20111031_085809_000001633108_00122_50567_7975.N1						SS1	H/H	108	50567	122	5.04
ASA_GM1_1PNPDK20111031_090155_000000903108_00122_50567_7979.N1						SS1	H/H	108	50567	122	5.04
ASA_GM1_1PNPDK20111031_091757_000011303108_00122_50567_7981.N1						SS1	H/H	108	50567	122	5.04
ASA_GM1_1PNPDK20111031_100926_000007613108_00123_50568_7983.N1						SS1	H/H	108	50568	123	5.04
ASA_GM1_1PNPDK20111031_102101_000001203108_00123_50568_8027.N1						SS1	H/H	108	50568	123	5.04
ASA_GM1_1PNPDK20111031_103421_000001383108_00123_50568_8031.N1						SS1	H/H	108	50568	123	5.04
ASA_GM1_1PNPDK20111031_105805_000011363108_00123_50568_8041.N1						SS1	H/H	108	50568	123	5.04
ASA_GM1_1PNPDK20111031_114906_000000963108_00124_50569_8040.N1						SS1	H/H	108	50569	124	5.04
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ASA_GM1_1PNPDK20111031_130326_000005433108_00124_50569_8070.N1						SS1	H/H	108	50569	124	5.04
ASA_GM1_1PNPDK20111031_132231_000005493108_00125_50570_8073.N1						SS1	H/H	108	50570	125	5.04
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ASA_GM1_1PNPDK20111031_141227_000002233108_00125_50570_8104.N1						SS1	H/H	108	50570	125	5.04
ASA_GM1_1PNPDK20111031_141833_000011363108_00125_50570_8108.N1						SS1	H/H	108	50570	125	5.04
ASA_GM1_1PNPDK20111031_144312_000002353108_00125_50570_8106.N1						SS1	H/H	108	50570	125	5.04
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ASA_GM1_1PNPDK20111031_150307_000006043108_00126_50571_8112.N1						SS1	H/H	108	50571	126	5.04
ASA_GM1_1PNPDK20111031_151650_000004593108_00126_50571_8133.N1						SS1	H/H	108	50571	126	5.04
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ASA_GM1_1PNPDK20111031_155847_000011363108_00126_50571_8138.N1						SS1	H/H	108	50571	126	5.04
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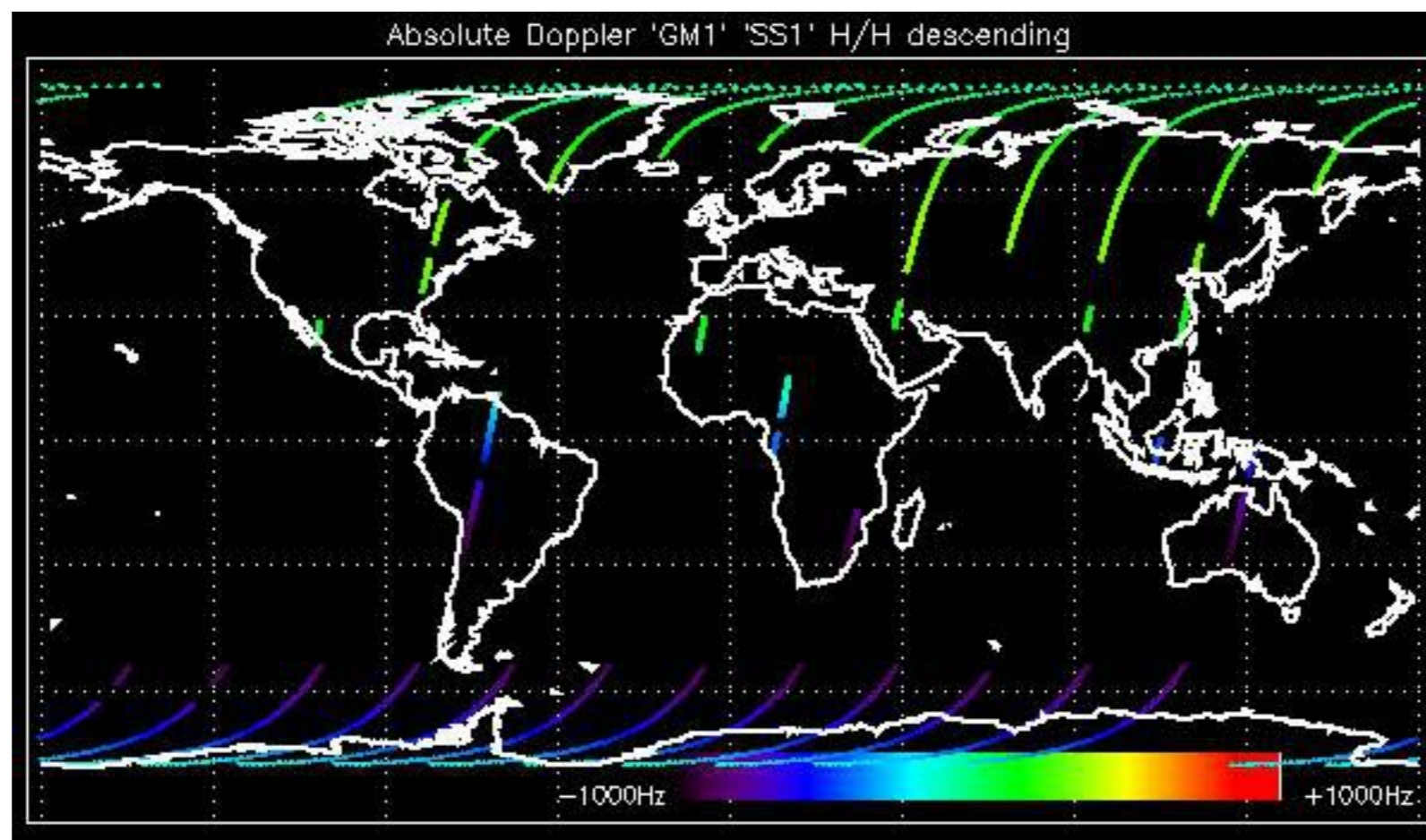
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ASA_IMM_1PNPDE20111031_030840_000000763108_00118_50563_4472.N1						IS3	H/H	108	50563	118	5.04
ASA_IMM_1PNPDE20111031_034935_000001793108_00119_50564_4459.N1						IS6	H/H	108	50564	119	5.04
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ASA_IMM_1PNPDE20111031_085140_000000373108_00122_50567_4585.N1						IS2	V/V	108	50567	122	5.04
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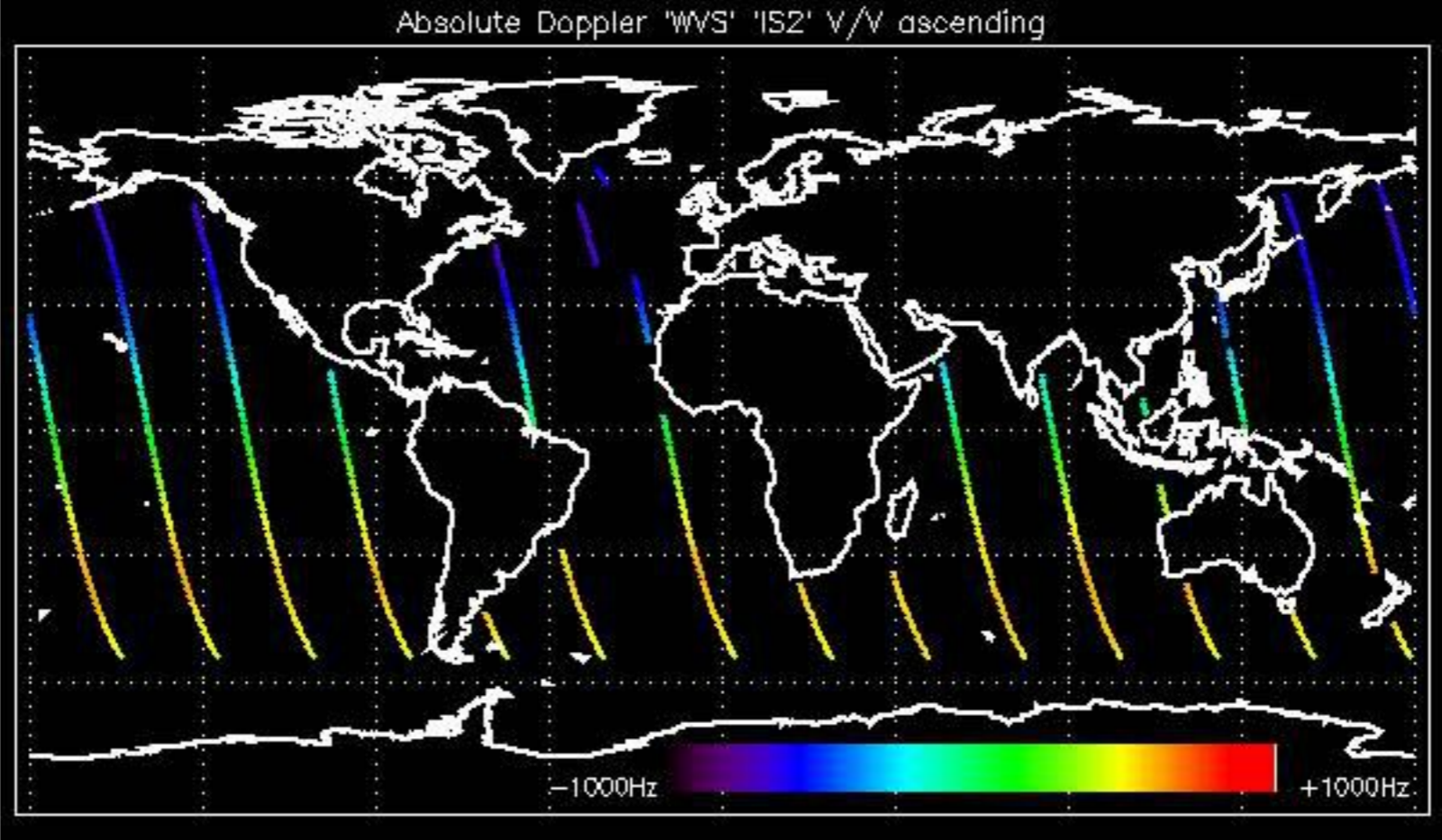
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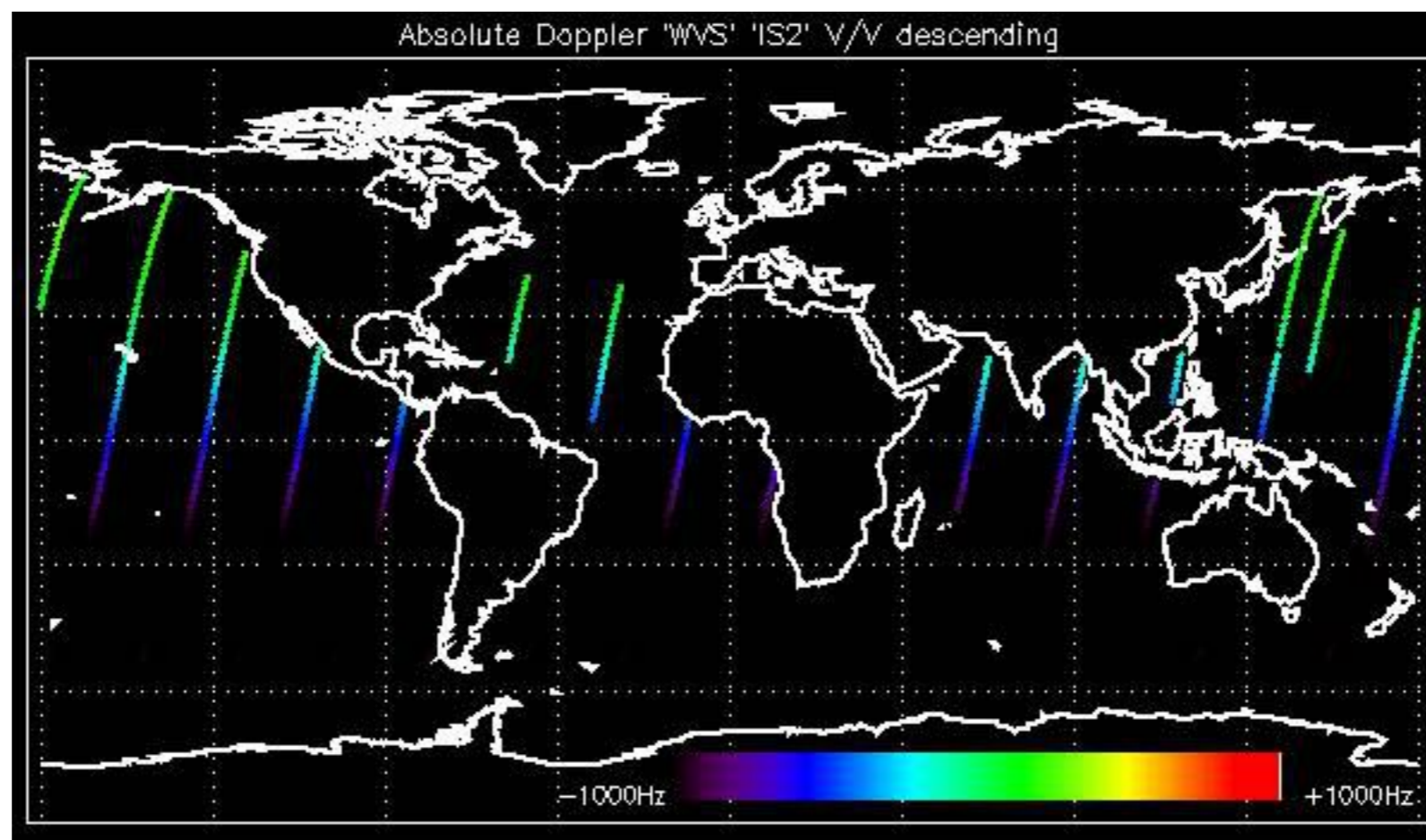
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ASA_WSM_1PNPDE20111031_012706_000002453108_00117_50562_4440.N1						SS1	H/H	108	50562	117	5.04
ASA_WSM_1PNPDE20111031_015056_000002203108_00118_50563_4461.N1						SS1	H/H	108	50563	118	5.04
ASA_WSM_1PNPDE20111031_015826_000001533108_00118_50563_4463.N1						SS1	V/V	108	50563	118	5.04
ASA_WSM_1PNPDK20111031_031342_000004533108_00119_50564_7924.N1						SS1	V/V	108	50564	119	5.04
ASA_WSM_1PNPDE20111031_051021_000003923108_00120_50565_4517.N1						SS1	H/H	108	50565	120	5.04
ASA_WSM_1PNPDE20111031_052917_000004223108_00120_50565_4518.N1						SS1	H/H	108	50565	120	5.04
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ASA_WSM_1PNPDK20111031_133142_000001533108_00125_50570_8076.N1						SS1	V/V	108	50570	125	5.04
ASA_WSM_1PNPDK20111031_151314_000002083108_00126_50571_8114.N1						SS1	H/H	108	50571	126	5.04
ASA_WSM_1PNPDK20111031_153329_000004343108_00126_50571_8154.N1						SS1	V/V	108	50571	126	5.04
ASA_WSM_1PNPDK20111031_200919_000002143108_00129_50574_8194.N1						SS1	H/H	108	50574	129	5.04
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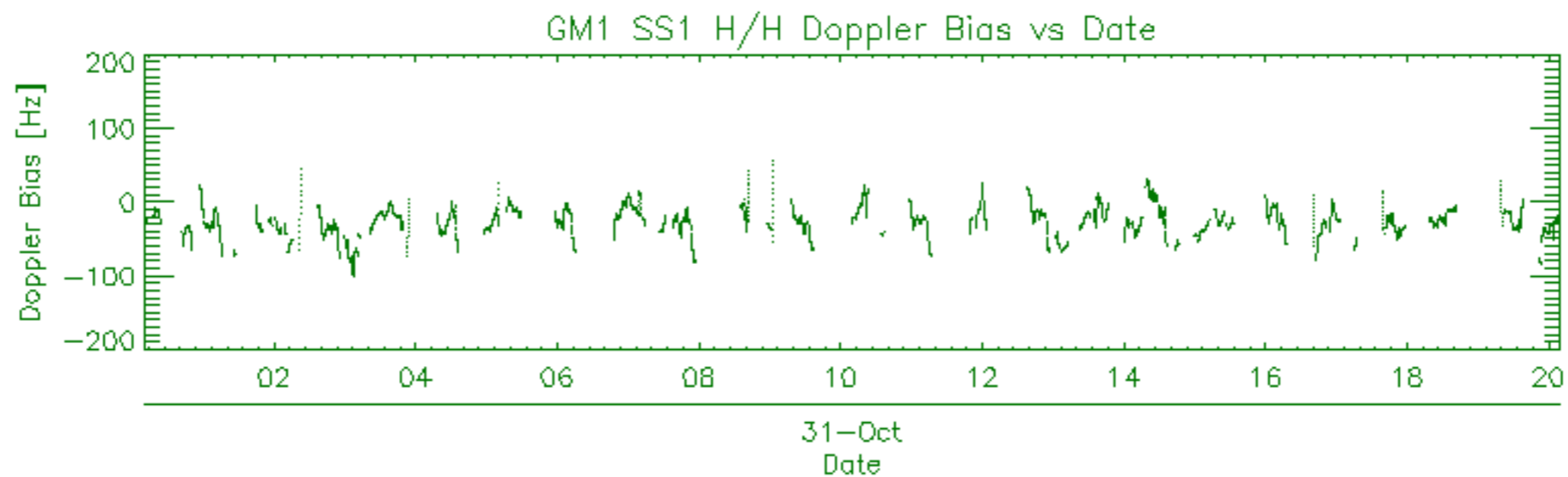
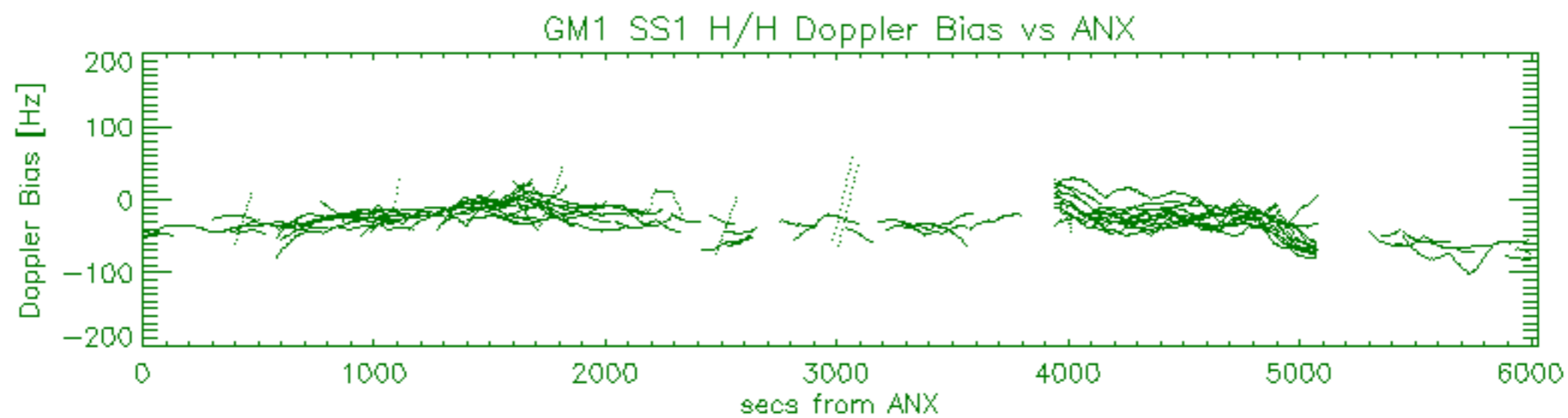
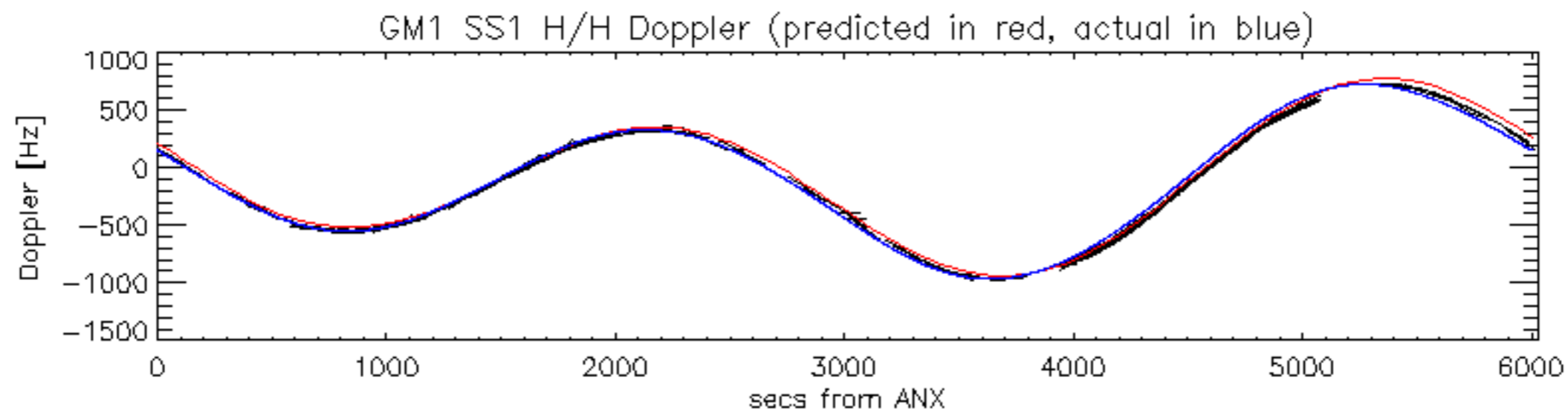
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ASA_WVS_1PNPDE20111031_005032_000003303108_00117_50562_4431.N1						IS2	V/V	108	50562	117	5.04
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ASA_WVS_1PNPDE20111031_035615_000008093108_00119_50564_4487.N1						IS1	V/V	108	50564	119	5.04
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ASA_WVS_1PNPDK20111031_073551_000000603108_00121_50566_7954.N1						IS2	V/V	108	50566	121	5.04
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ASA_WVS_1PNPDE20111031_211829_000001793108_00129_50574_4758.N1						IS1	V/V	108	50574	129	5.04
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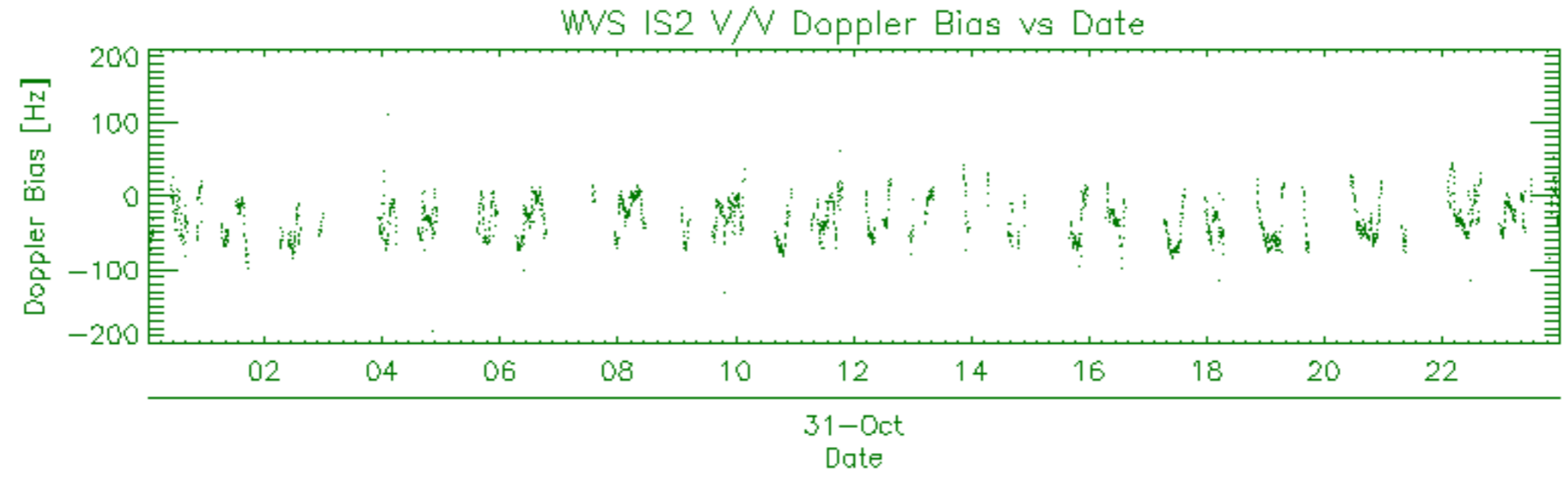
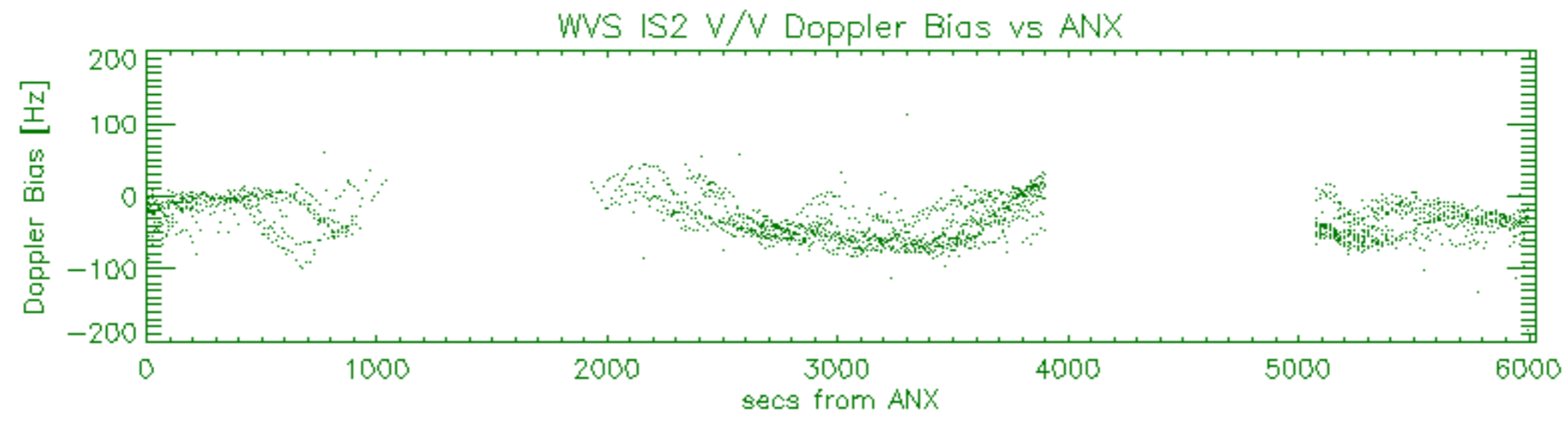
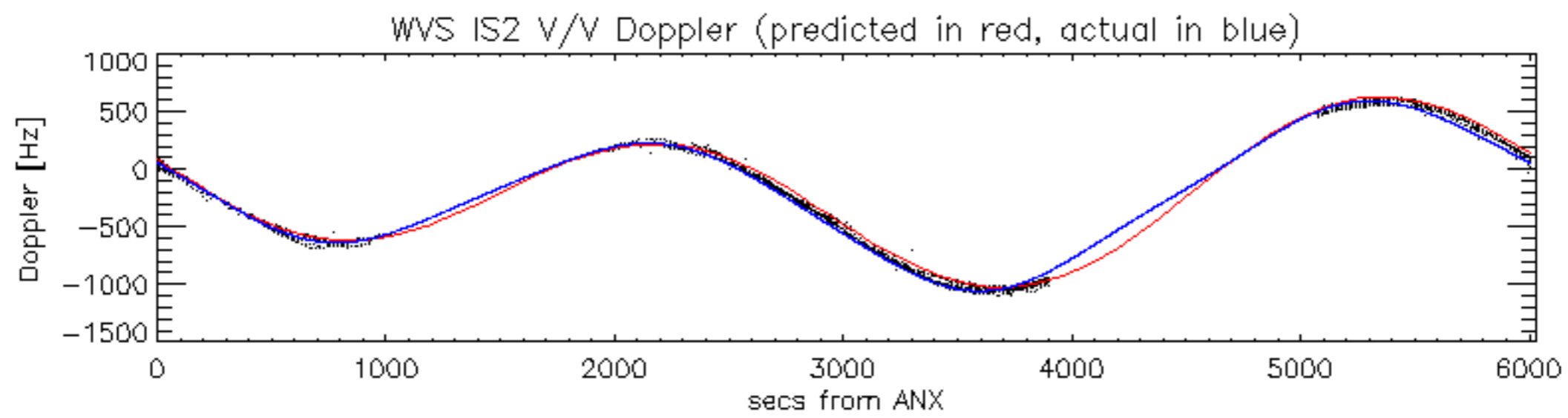


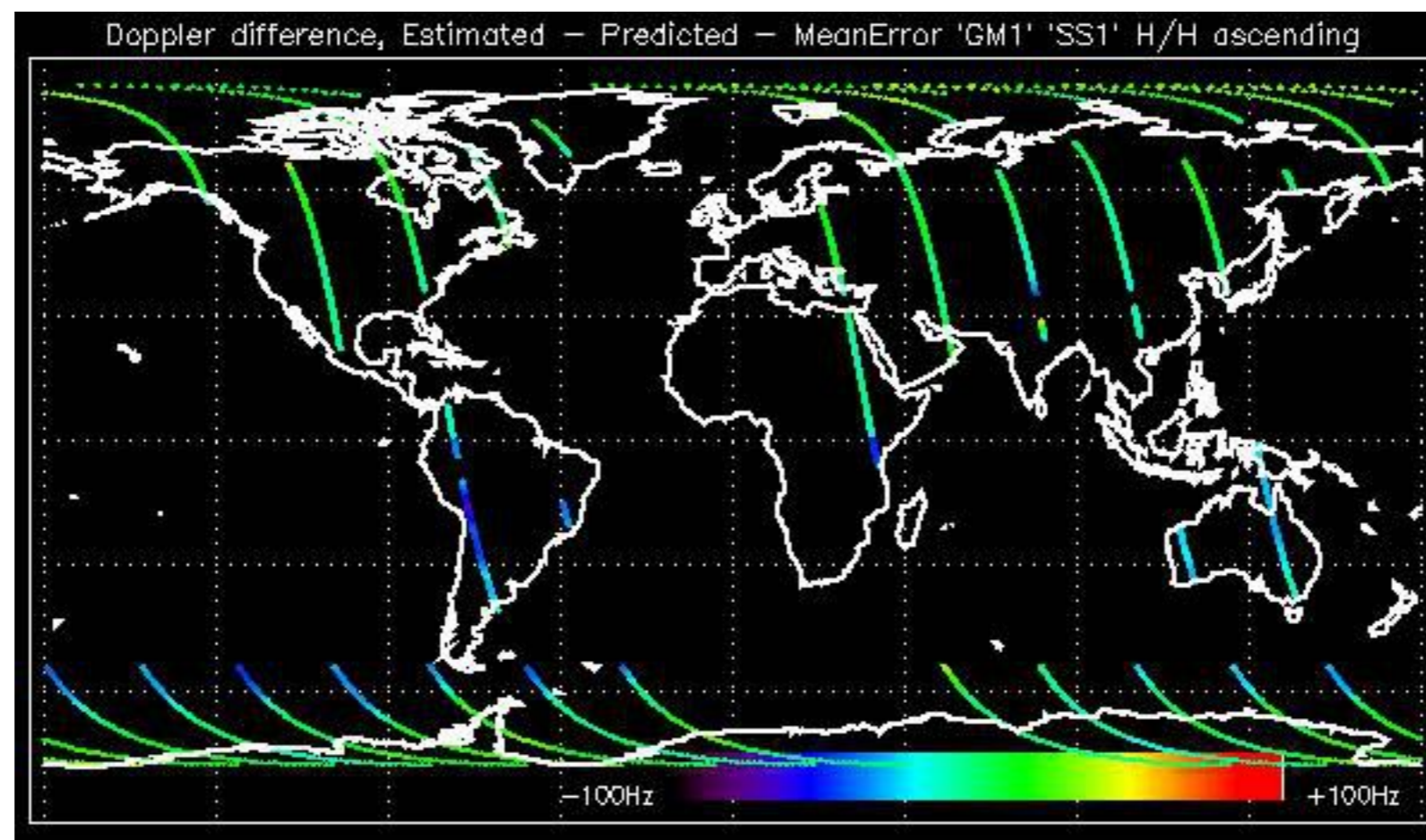


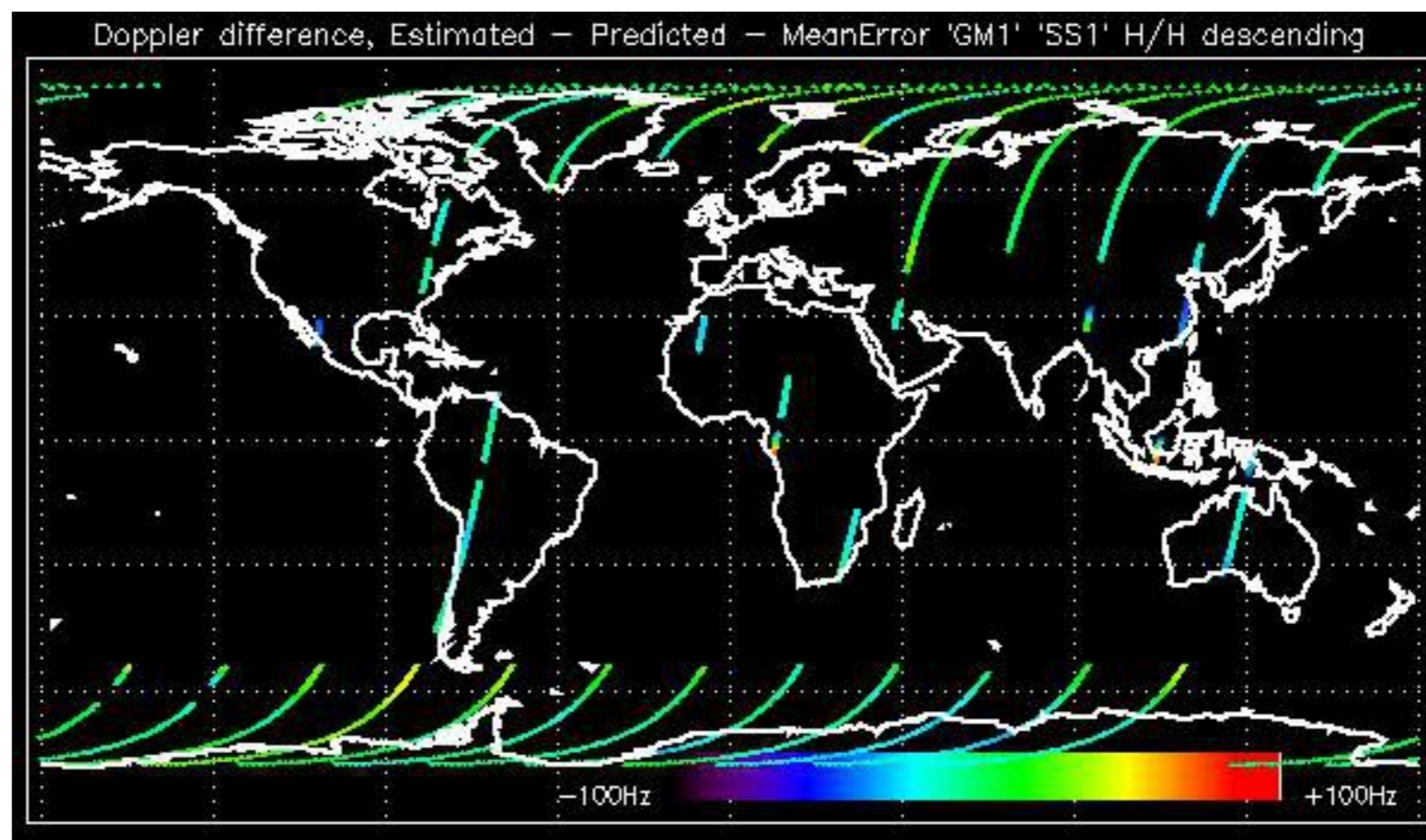


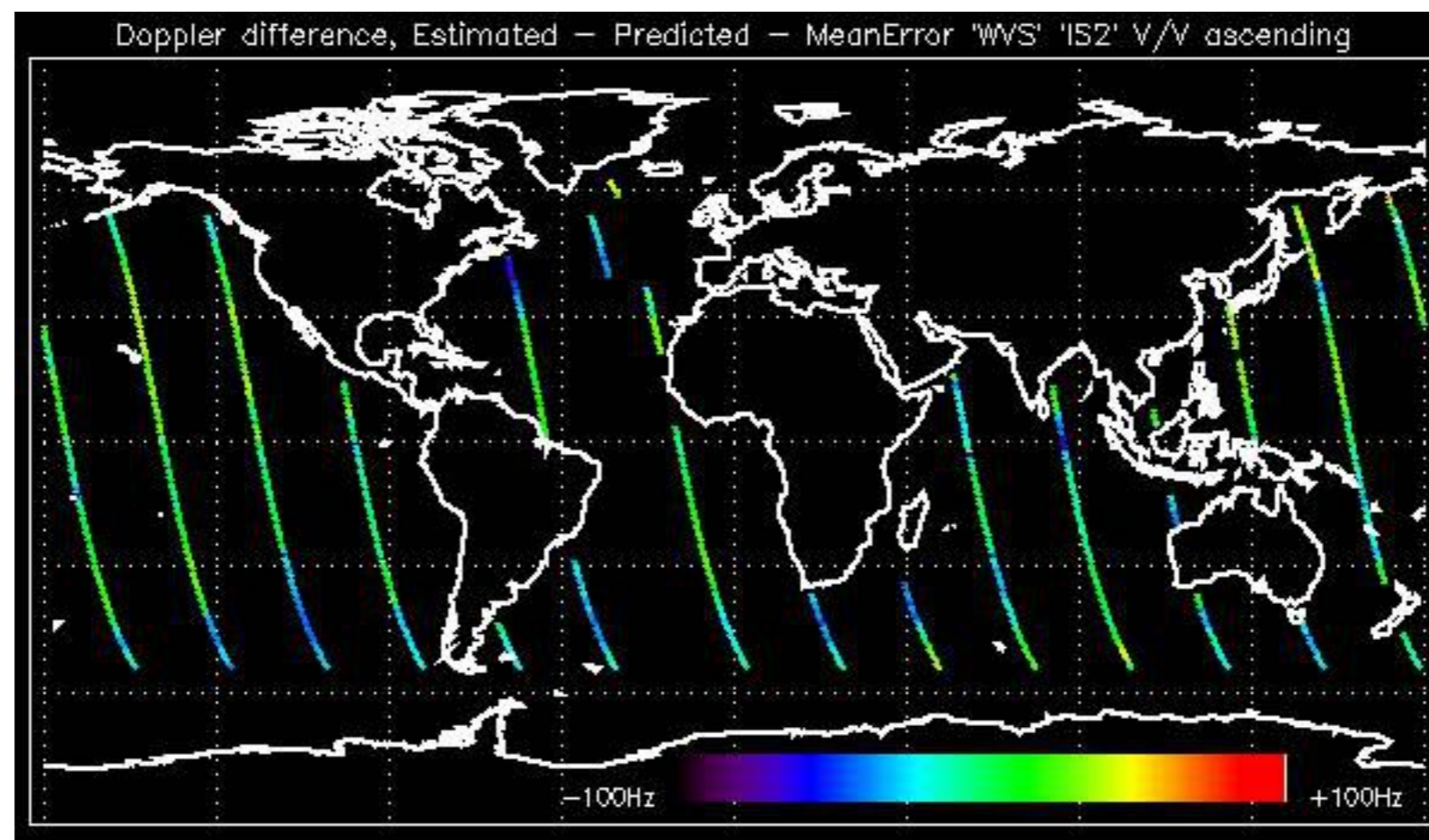


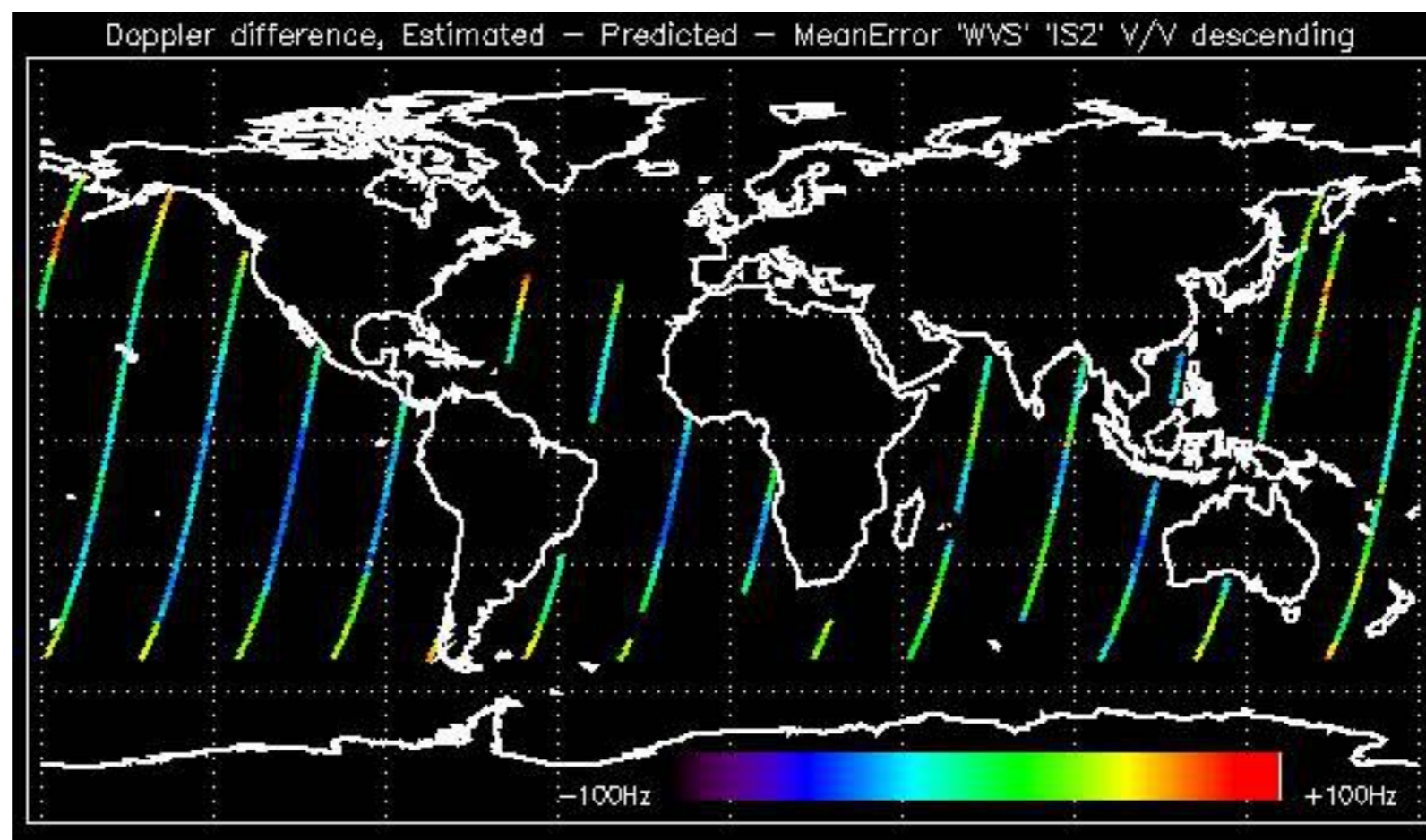


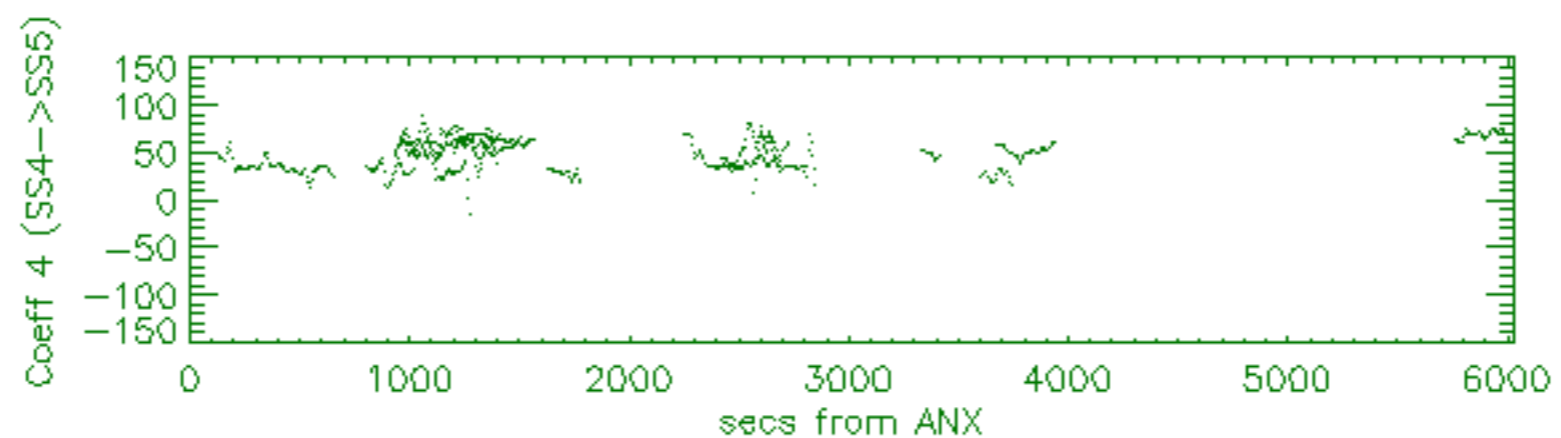
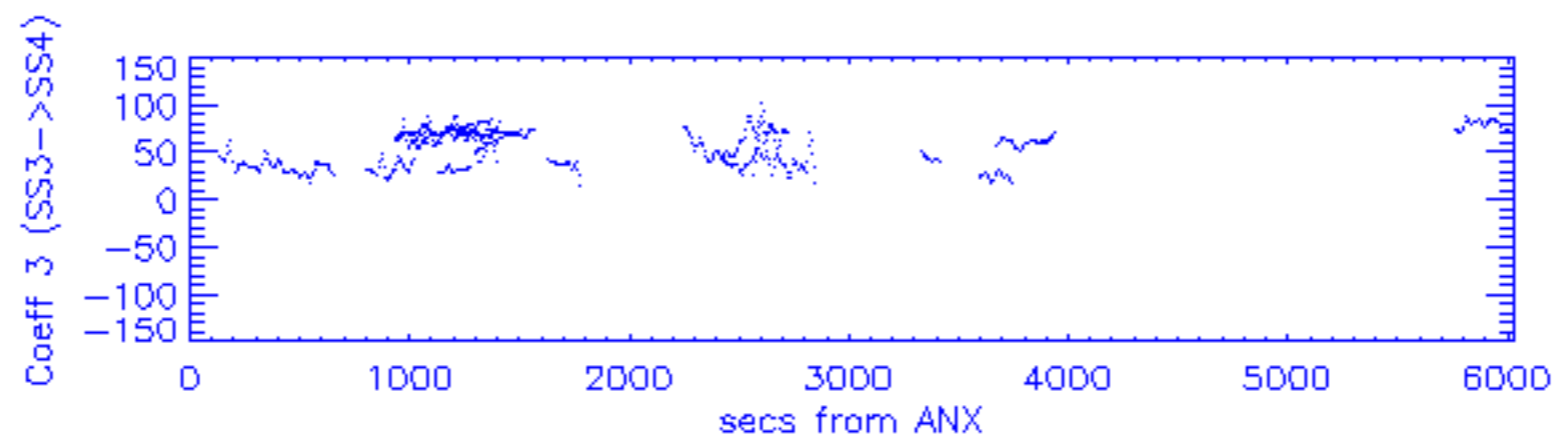
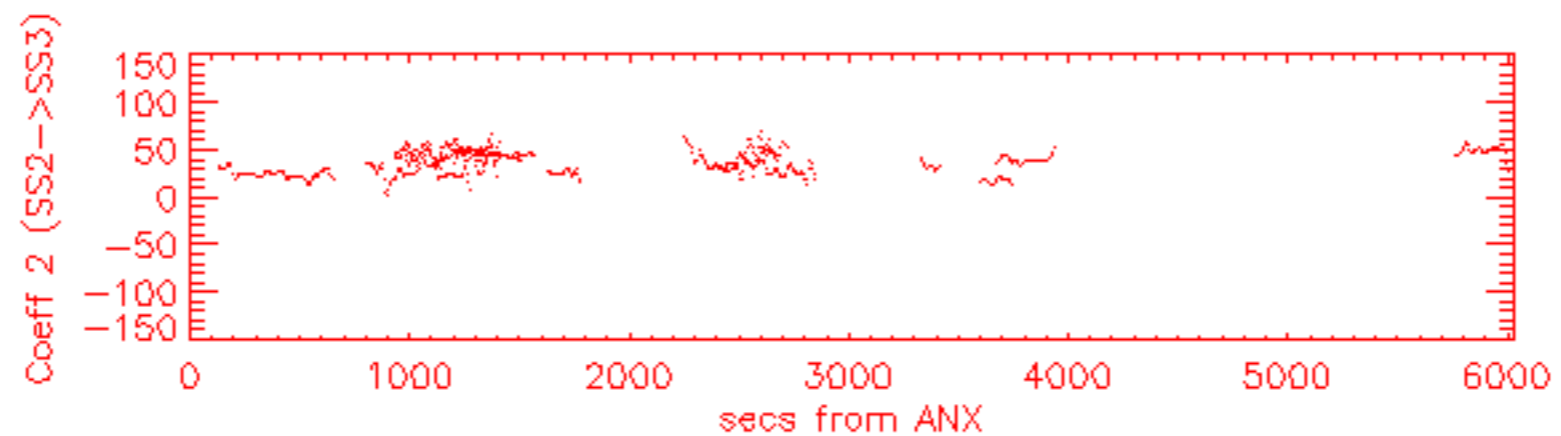
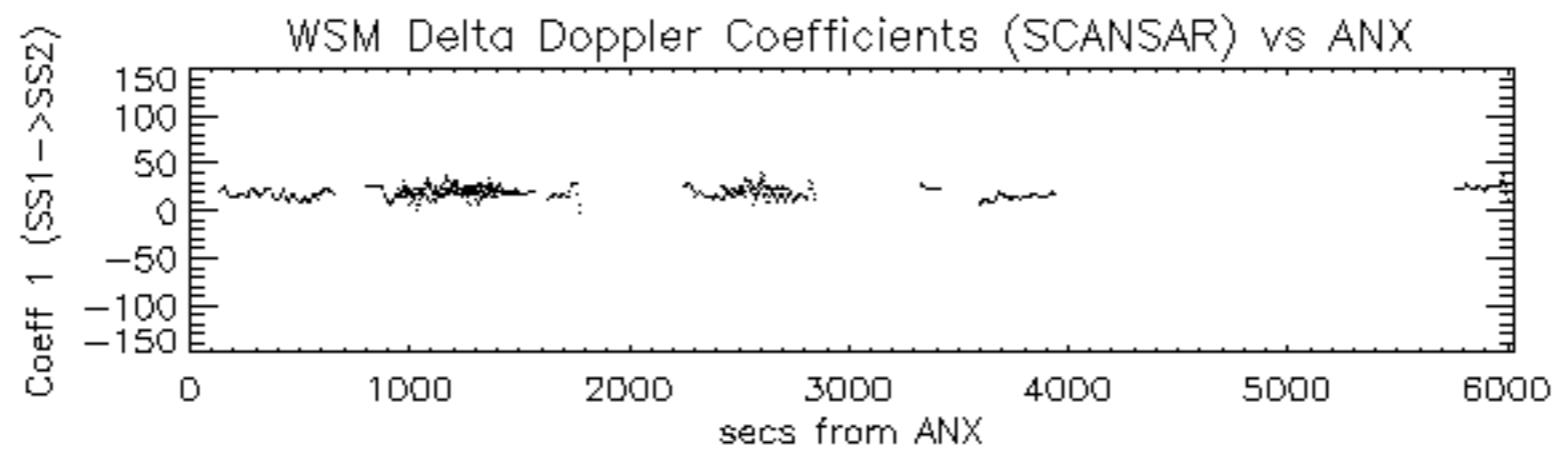


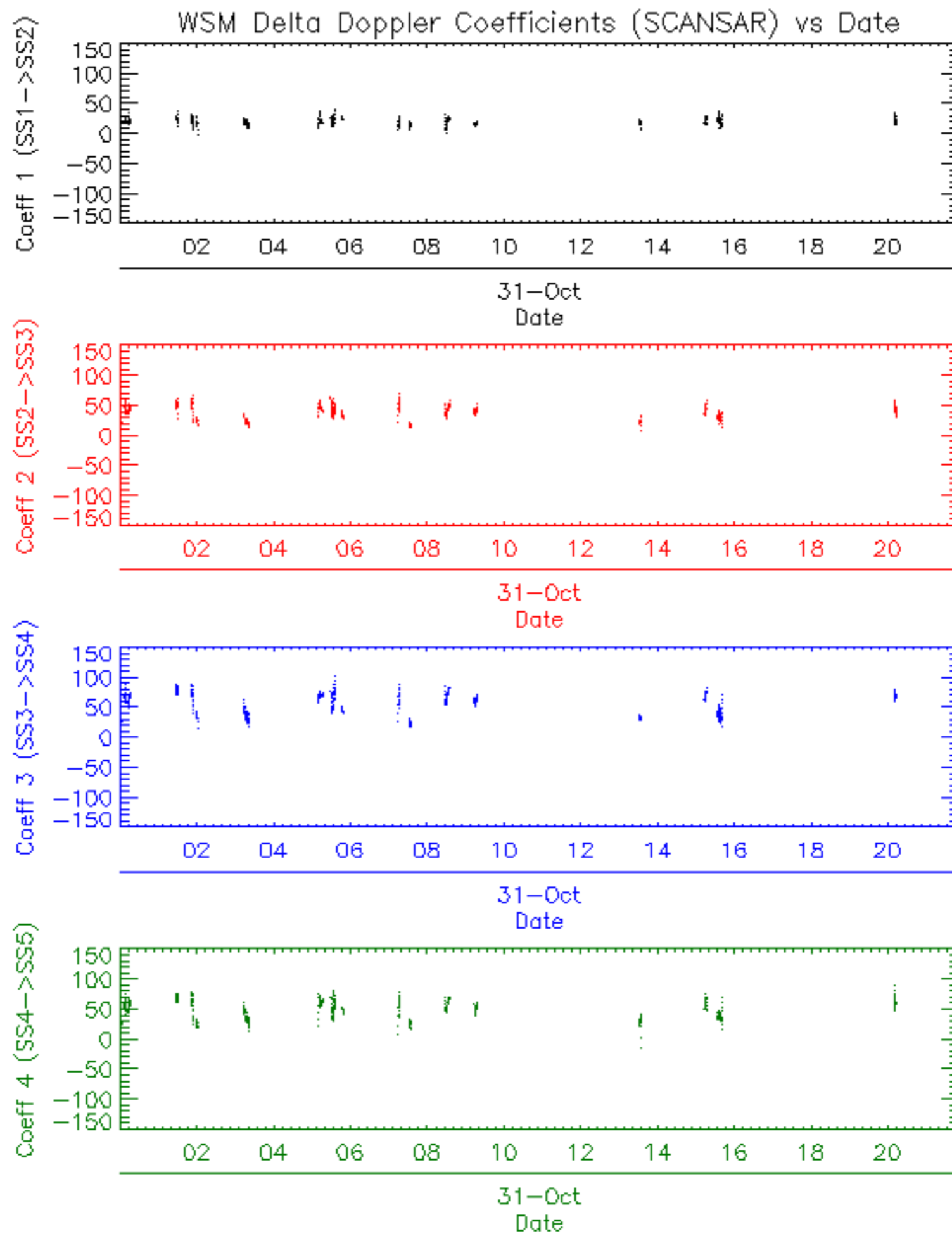


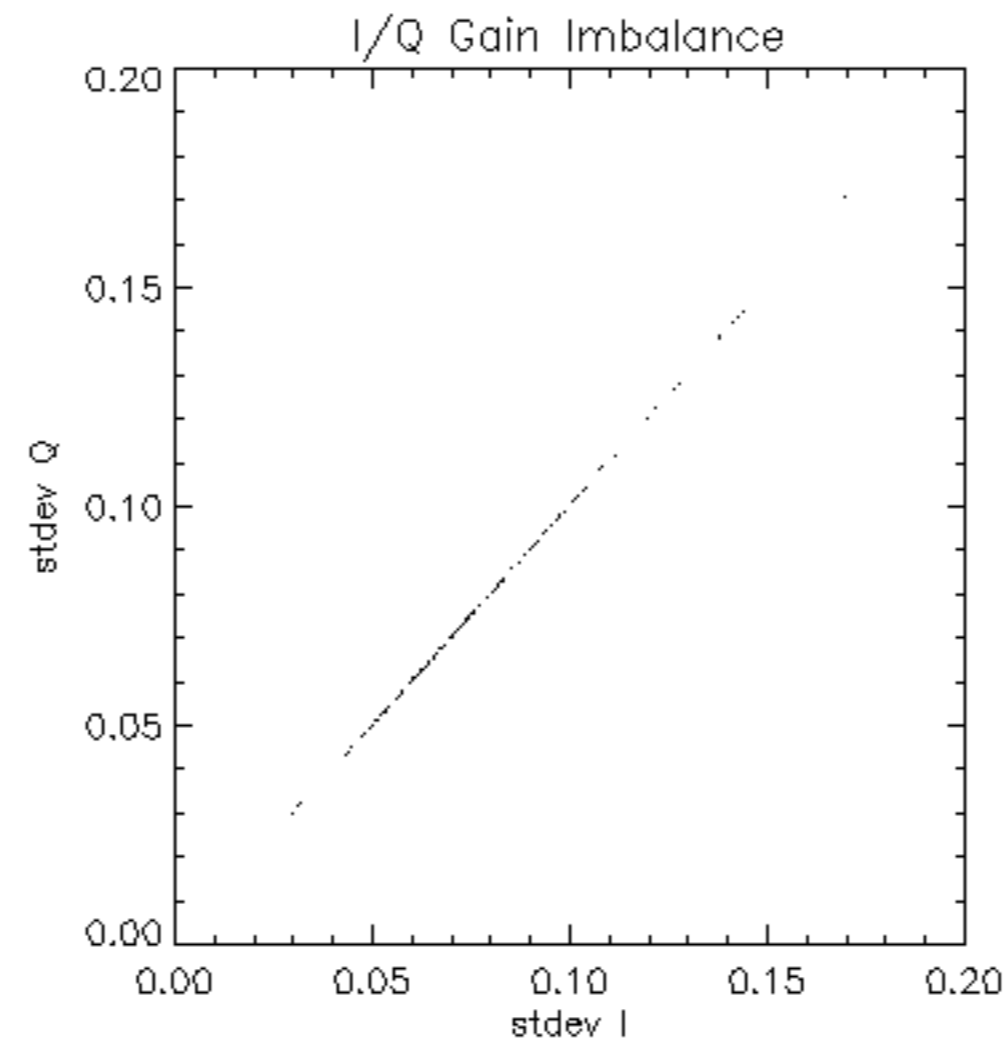


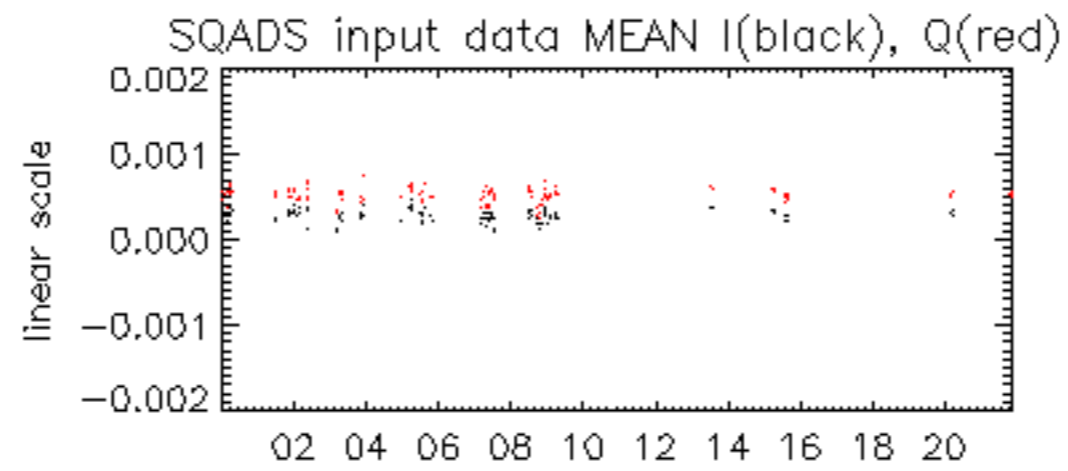




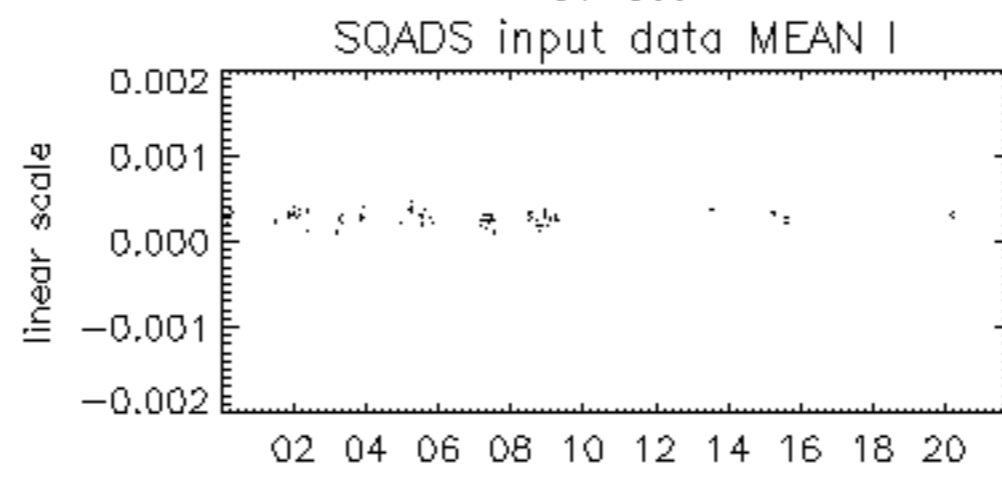




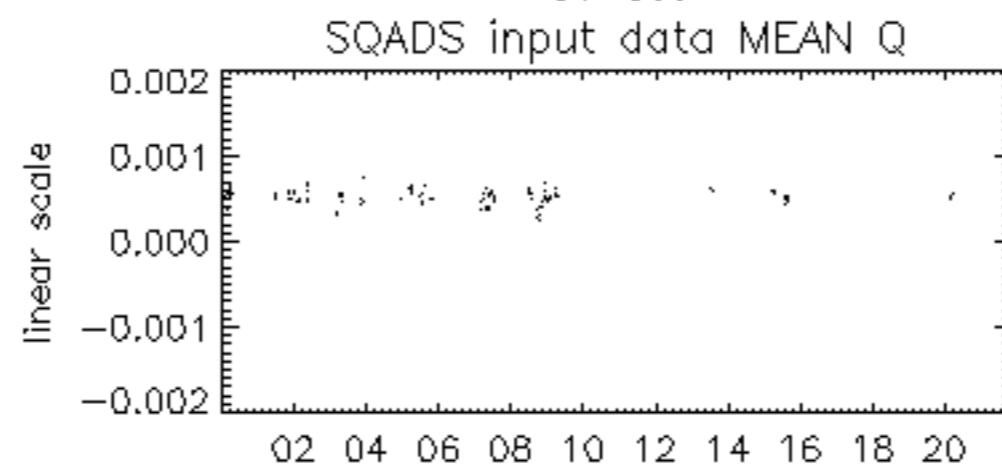




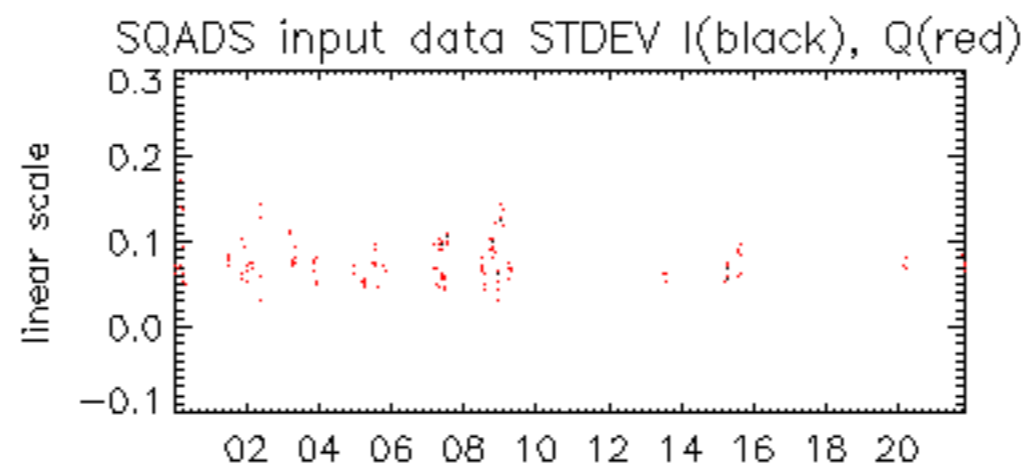
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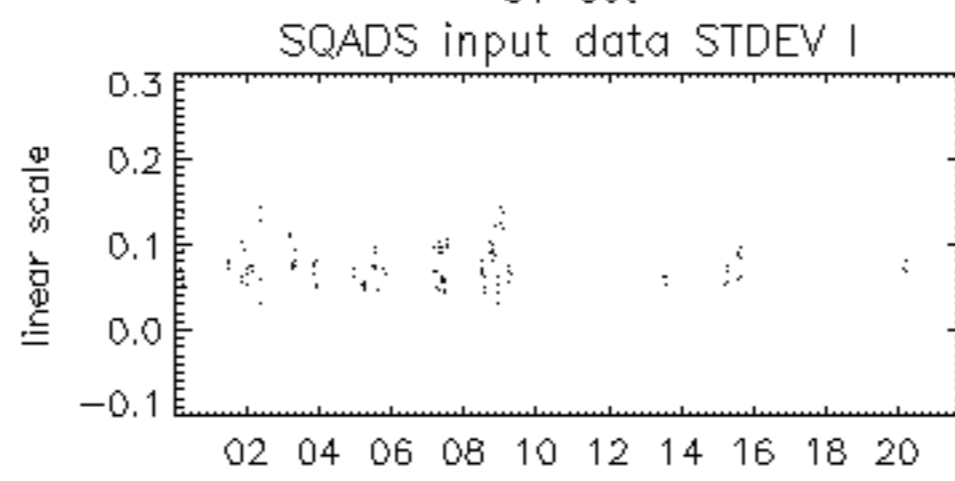
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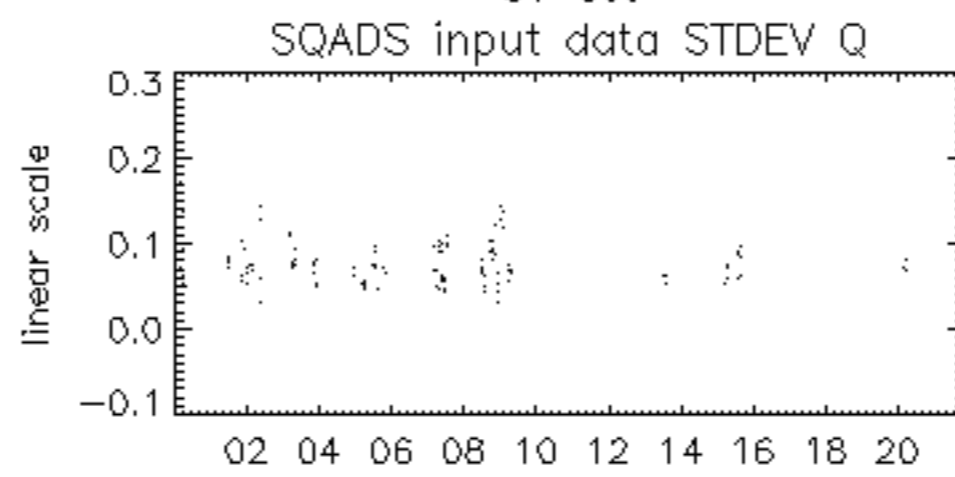
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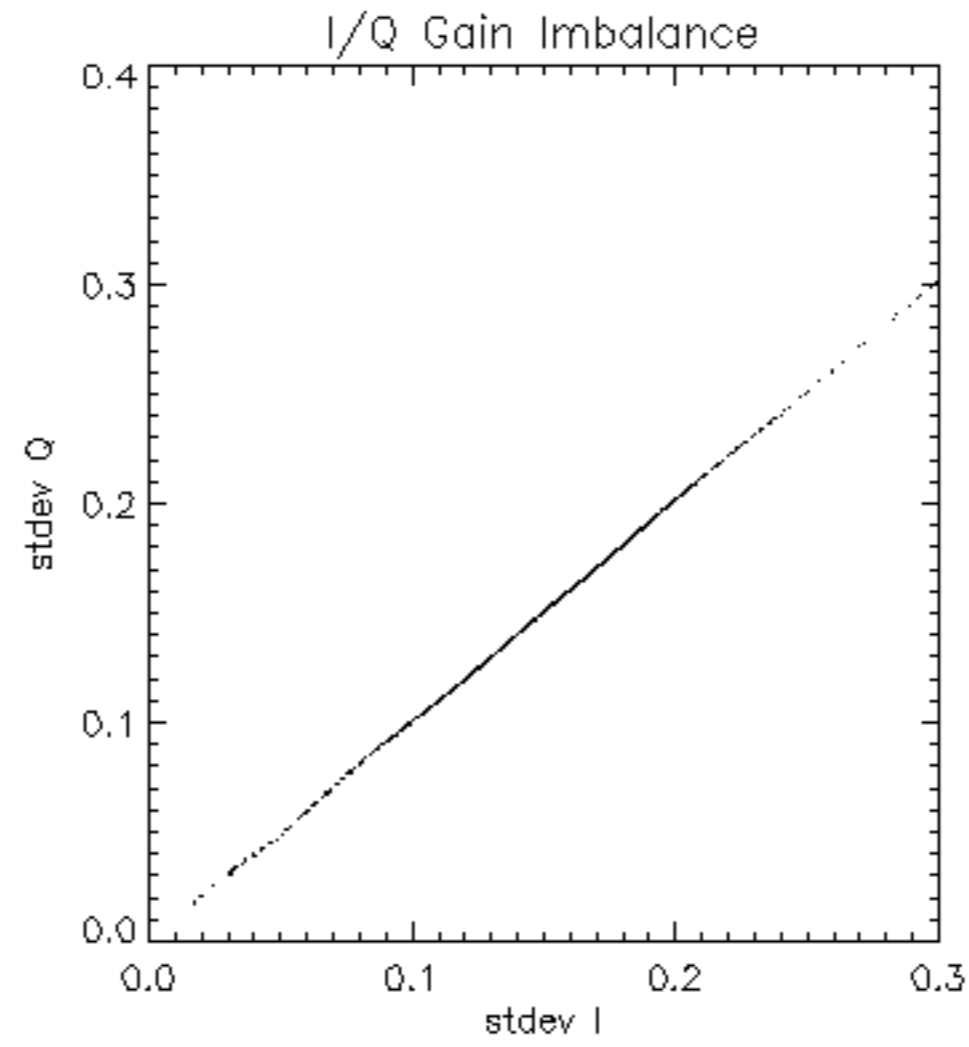
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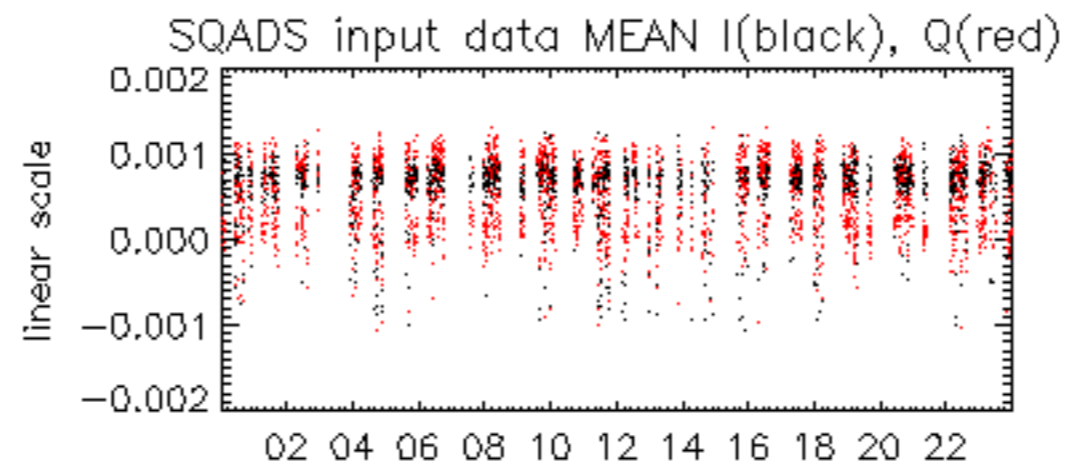


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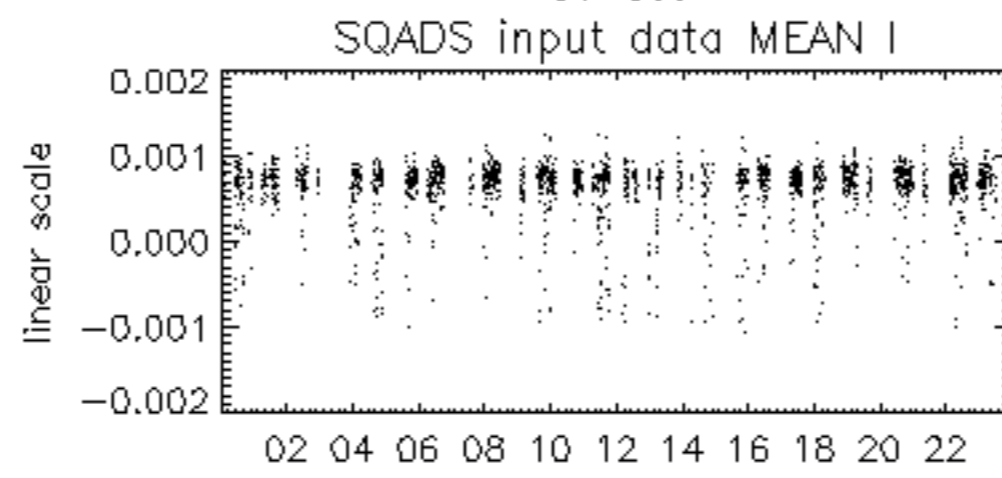


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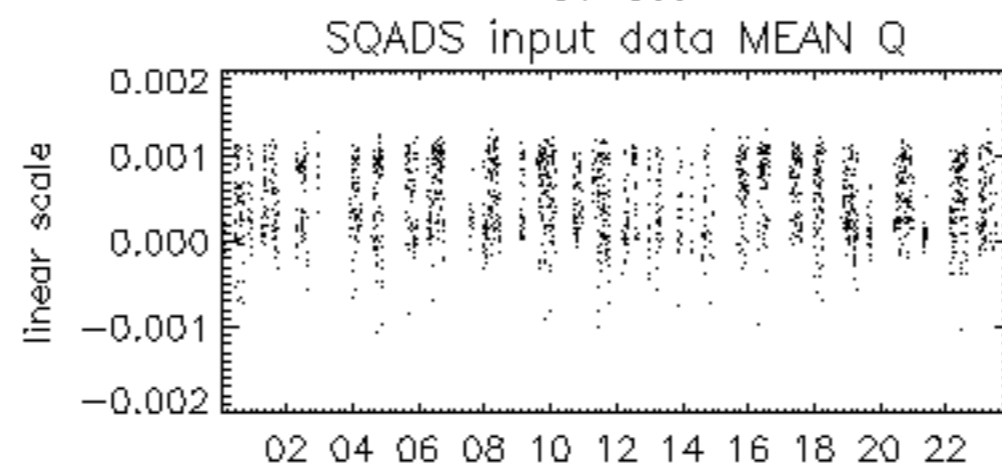




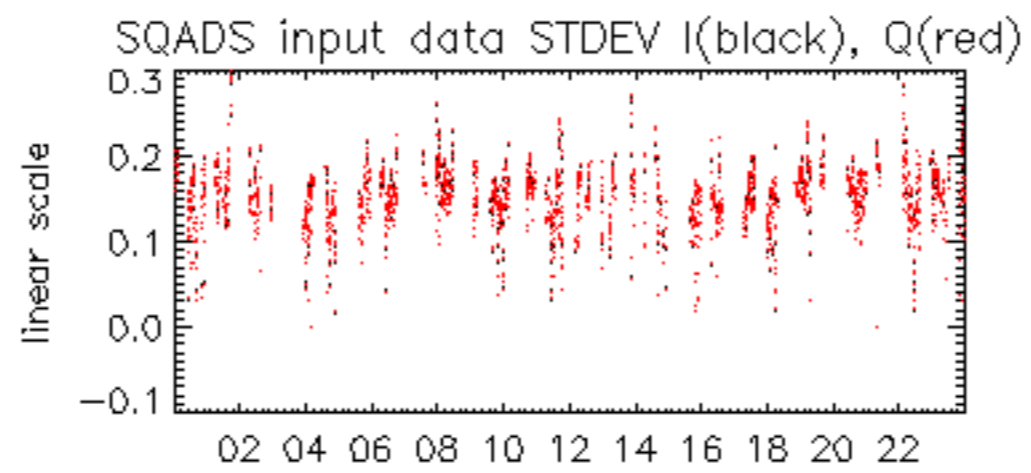
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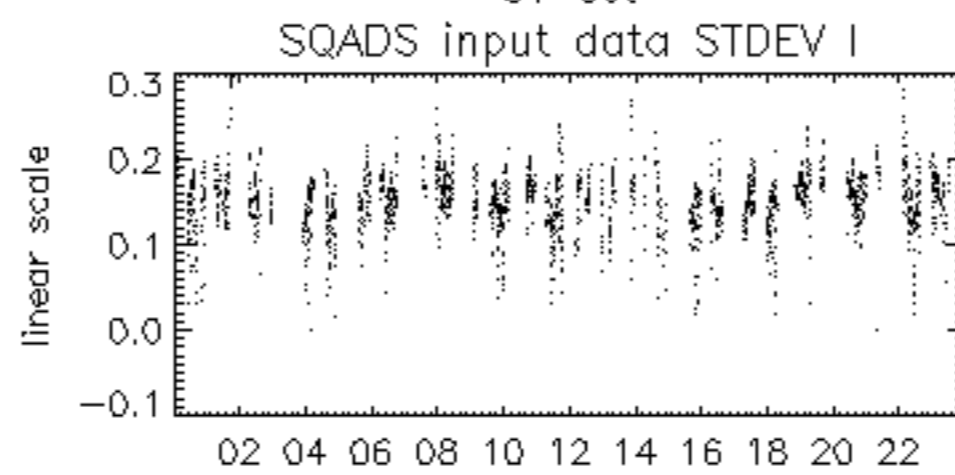
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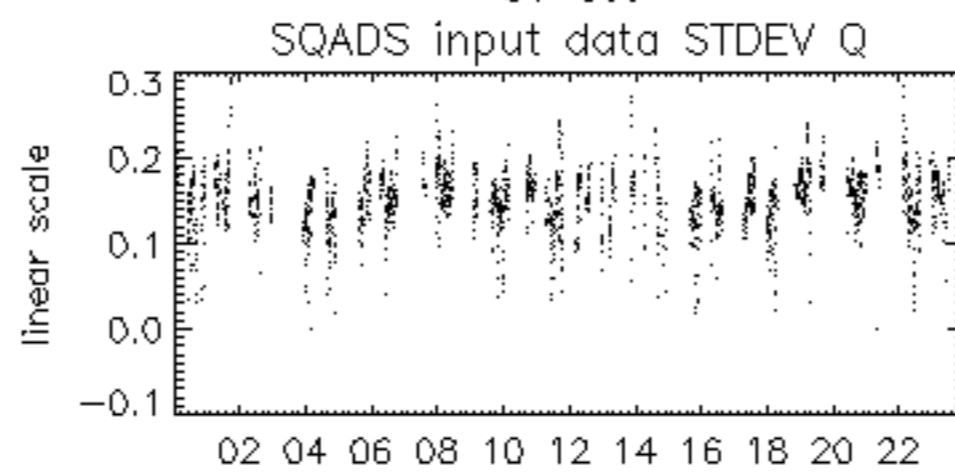
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