

0. MIPAS Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	26JAN2011 05:24:00
Data source version	KSPT_L0/4504-N
Processing scope for products	21JAN2011 00:00:00 to 22JAN2011 00:00:00
Start time of first product within scope	21JAN2011 00:52:52
Stop time of last product within scope	22JAN2011 00:15:27
Total number of level 0 products	15
Number of level 0 products with errors	0

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20110121_005252_000054343098_00361_46496_2757.N1	21JAN2011 00:52:52	21JAN2011 02:23:26	0	0	0	0	0
1	MIP_NL__OPNPDE20110121_022229_000047703098_00362_46497_2758.N1	21JAN2011 02:22:29	21JAN2011 03:41:59	0	0	0	0	0
2	MIP_NL__OPNPDE20110121_034125_000062533098_00363_46498_2759.N1	21JAN2011 03:41:25	21JAN2011 05:25:38	0	0	0	0	0
3	MIP_NL__OPNPDE20110121_052505_000060213098_00364_46499_2760.N1	21JAN2011 05:25:05	21JAN2011 07:05:26	0	0	0	0	0
4	MIP_NL__OPNPDK20110121_070455_000041263098_00365_46500_4076.N1	21JAN2011 07:04:55	21JAN2011 08:13:41	0	0	0	0	0
5	MIP_NL__OPNPDK20110121_081242_000061213098_00366_46501_4077.N1	21JAN2011 08:12:42	21JAN2011 09:54:43	0	0	0	0	0
6	MIP_NL__OPNPDK20110121_095305_000059733098_00367_46502_4078.N1	21JAN2011 09:53:05	21JAN2011 11:32:38	0	0	0	0	0
7	MIP_NL__OPNPDK20110121_113125_000060673098_00368_46503_4079.N1	21JAN2011 11:31:25	21JAN2011 13:12:32	0	0	0	0	0
8	MIP_NL__OPNPDK20110121_131102_000059233098_00369_46504_4080.N1	21JAN2011 13:11:02	21JAN2011 14:49:45	0	0	0	0	0
9	MIP_NL__OPNPDK20110121_144848_000059503098_00370_46505_4081.N1	21JAN2011 14:48:48	21JAN2011 16:27:58	0	0	0	0	0
10	MIP_NL__OPNPDK20110121_162722_000058683098_00371_46506_4082.N1	21JAN2011 16:27:22	21JAN2011 18:05:11	0	0	0	0	0
11	MIP_NL__OPNPDK20110121_180410_000059143098_00372_46507_4083.N1	21JAN2011 18:04:10	21JAN2011 19:42:45	0	0	0	0	0
12	MIP_NL__OPNPDE20110121_194039_000041783098_00373_46508_2761.N1	21JAN2011 19:40:39	21JAN2011 20:50:18	0	0	0	0	0
13	MIP_NL__OPNPDE20110121_204907_000064513098_00373_46508_2762.N1	21JAN2011 20:49:07	21JAN2011 22:36:38	0	0	0	0	0
14	MIP_NL__OPNPDE20110121_223531_000059963098_00374_46509_2763.N1	21JAN2011 22:35:31	22JAN2011 00:15:27	0	0	0	0	0

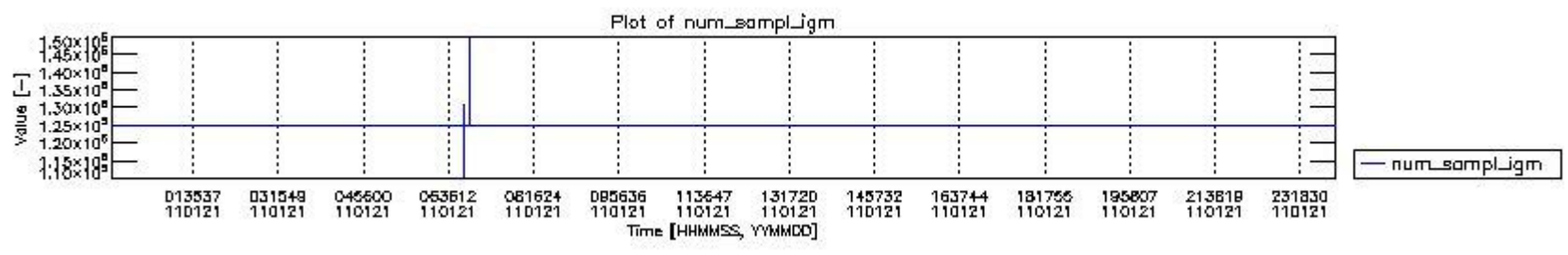
0.2 Instrument Operational Performance Parameters

The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

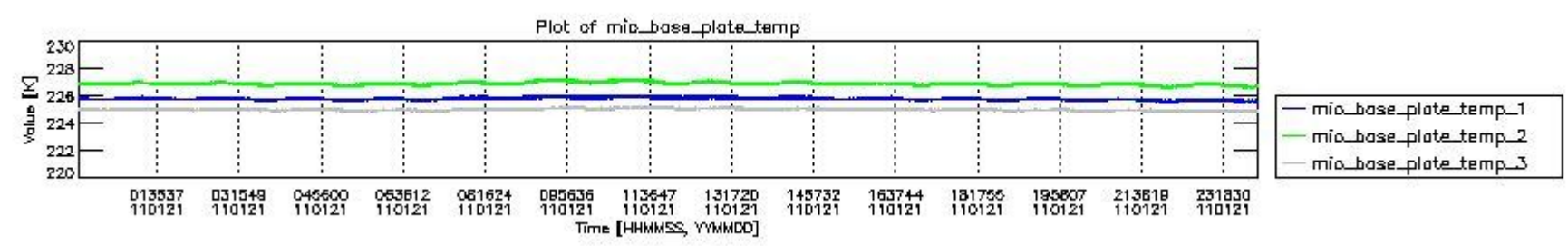
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
110507	1	0.0024011910
116346	1	0.0024011910
124800	38682	92.882870

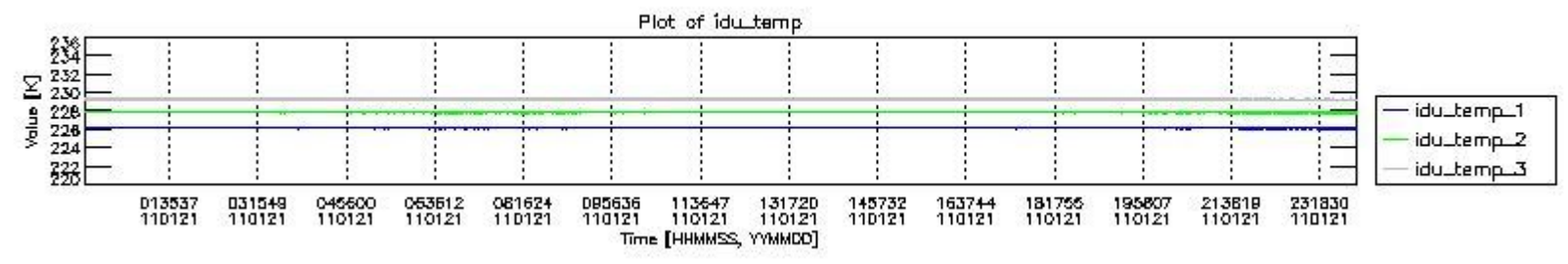
124803	2958	7.1027230
127308	1	0.0024011910
130639	1	0.0024011910
147440	1	0.0024011910
149948	1	0.0024011910



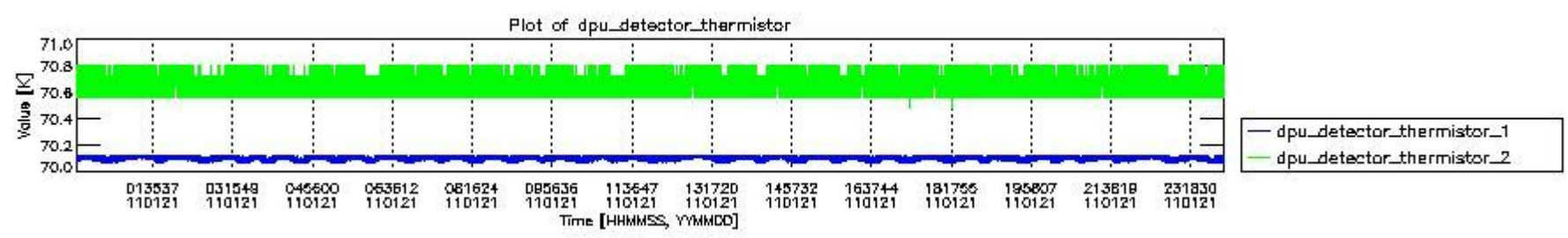
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_0.PNG



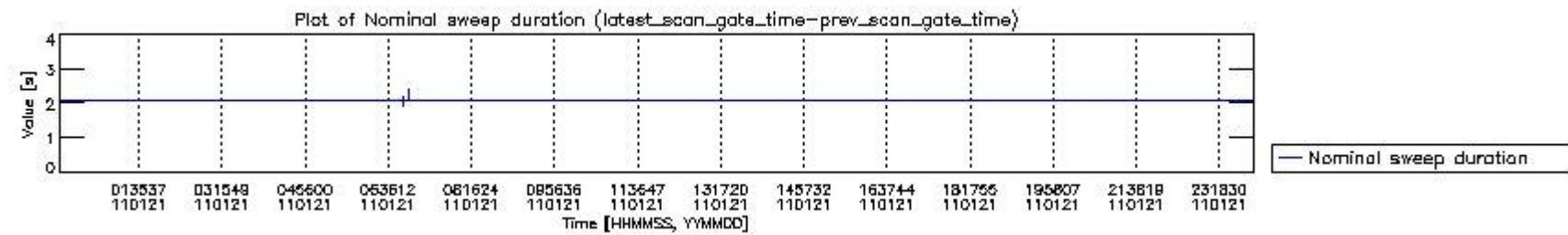
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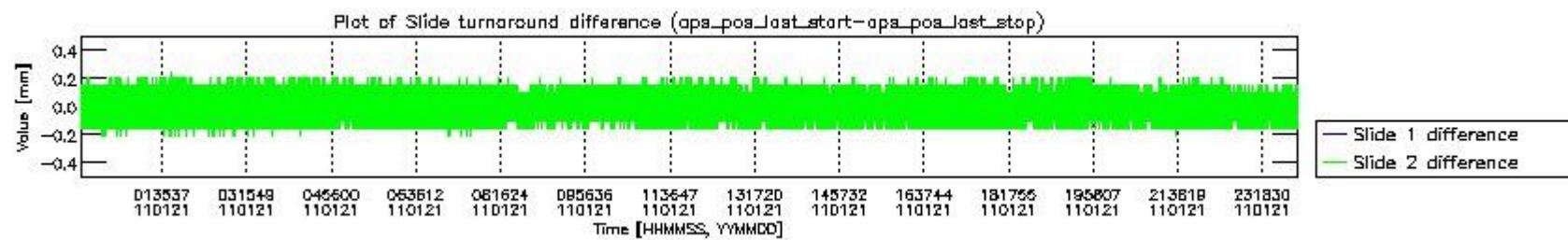
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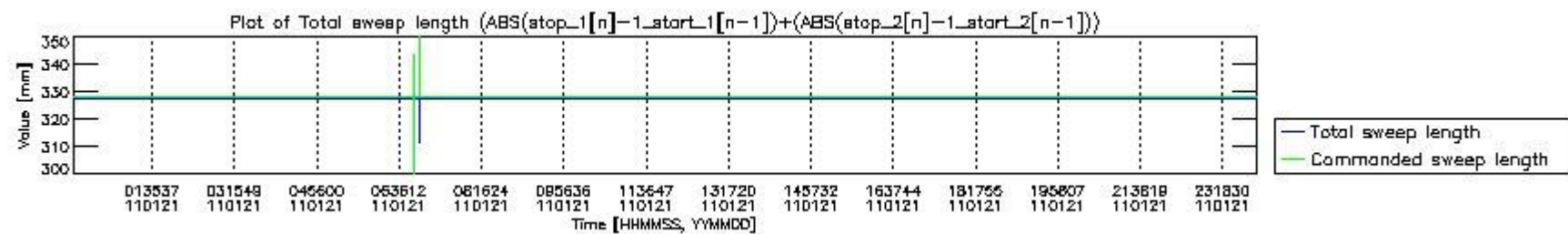
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_3.PNG



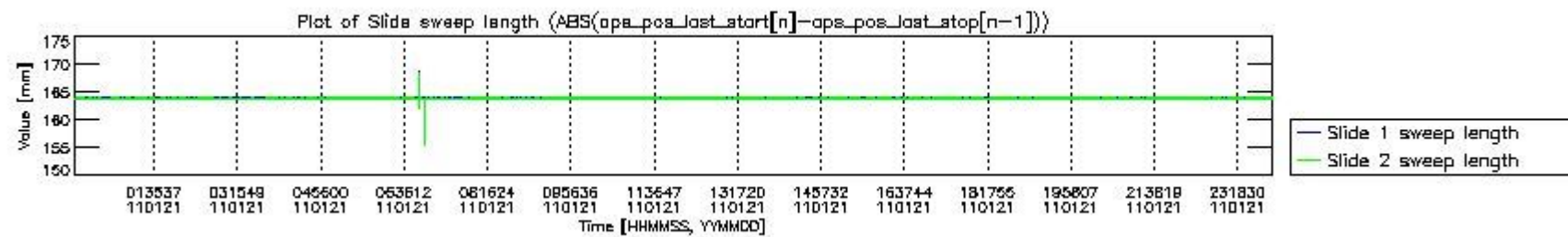
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_4.PNG



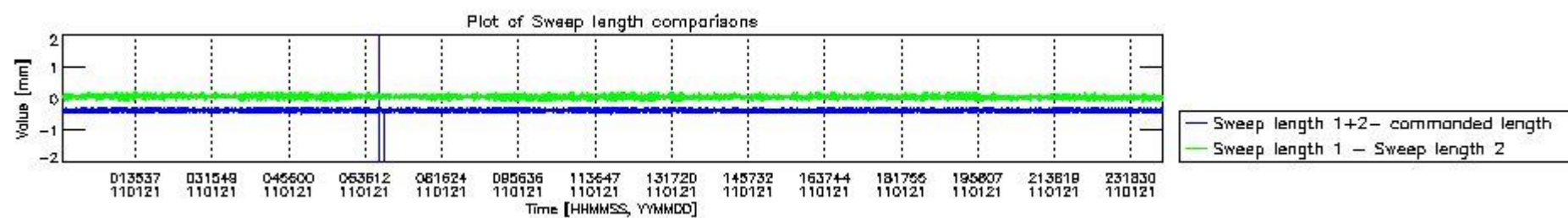
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_5.PNG



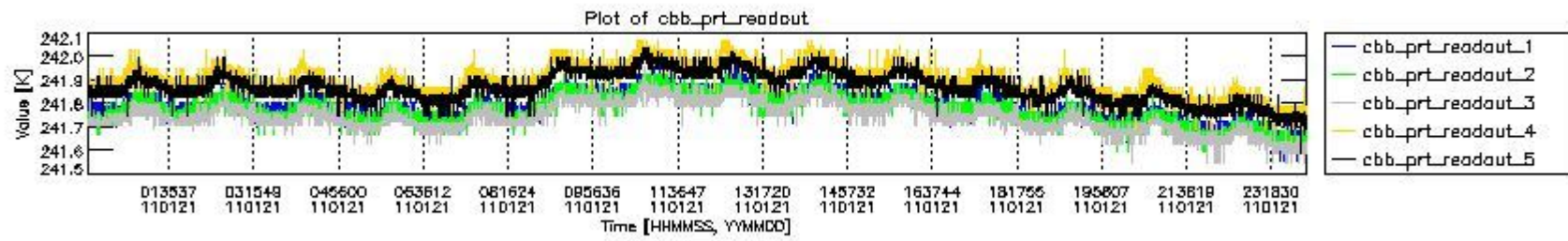
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_6.PNG



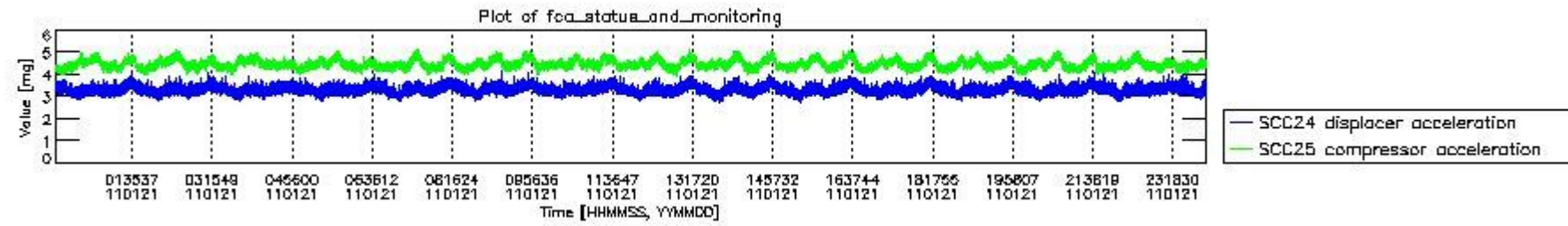
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110121_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110121_9.PNG

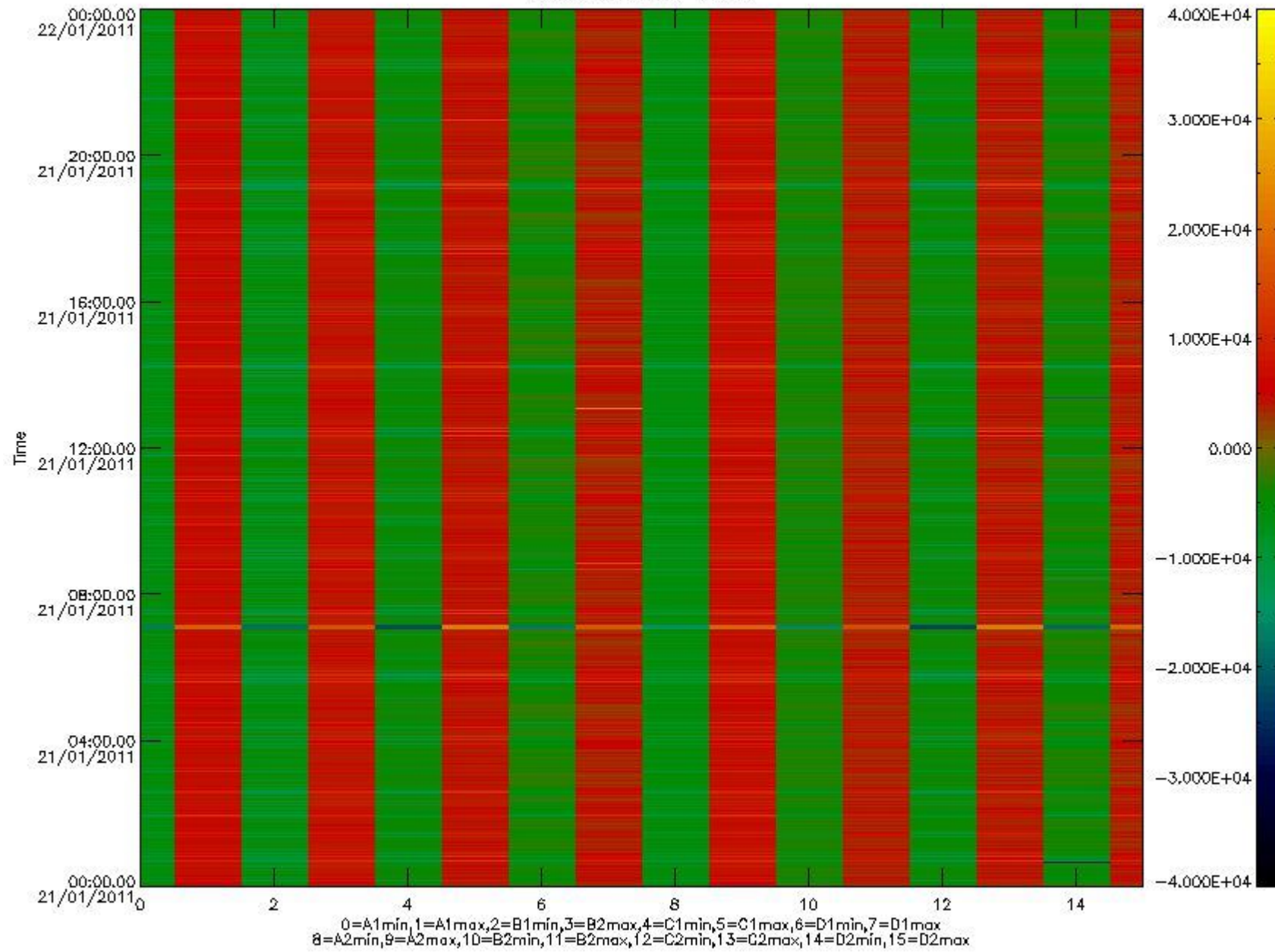


mipas_daily_report_level0_KSPT_L0_4504_N_20110121_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-17586	18602	16bit
B1	-18961	16490	16bit
C1	-23903	22002	16bit
D1	-22332	32767	16bit
A2	-15257	18729	16bit
B2	-17001	16714	16bit
C2	-23066	22635	16bit
D2	-32768	25639	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110121_11.PNG

0.3 ADF monitoring

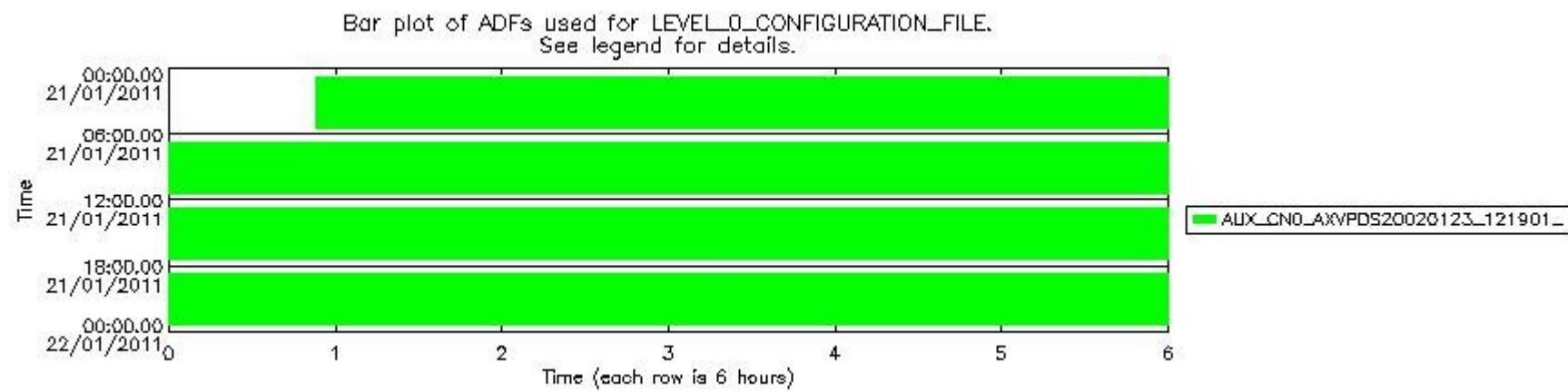
The use of ADFs is shown in two ways:

1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

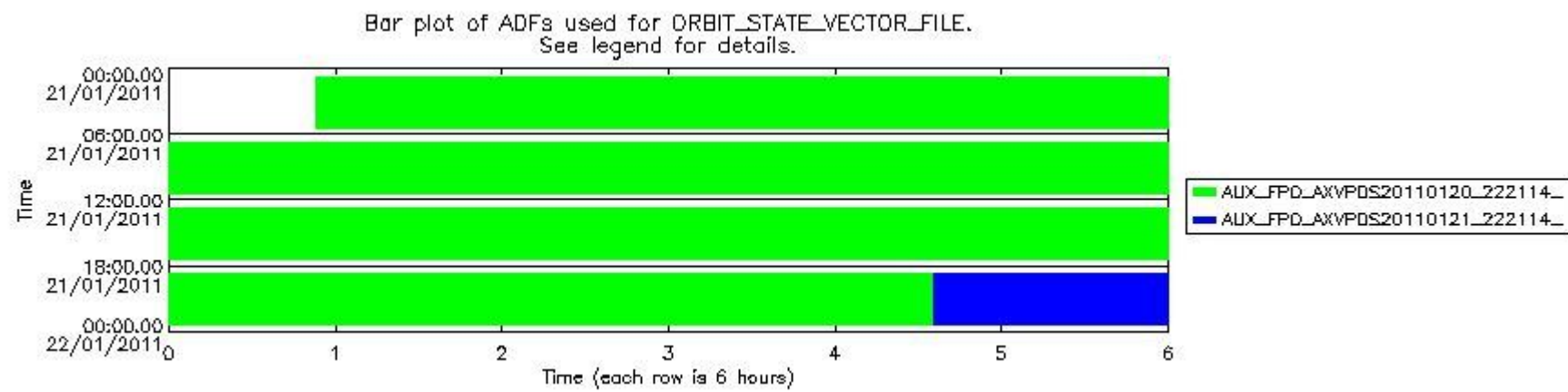
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110120_222114_20110119_185923_20110129_211315
2	AUX_FPO_AXVPDS20110121_222114_20110121_192610_20110131_214002

Number	Product name	#CN0	#FPO
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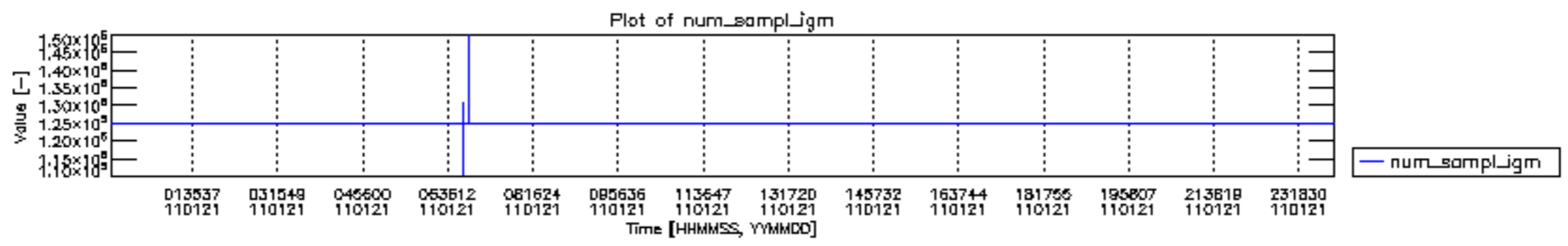
0	MIP_NL__0PNPDE20110121_005252_000054343098_00361_46496_2757.N1	0	1
1	MIP_NL__0PNPDE20110121_022229_000047703098_00362_46497_2758.N1	0	1
2	MIP_NL__0PNPDE20110121_034125_000062533098_00363_46498_2759.N1	0	1
3	MIP_NL__0PNPDE20110121_052505_000060213098_00364_46499_2760.N1	0	1
4	MIP_NL__0PNPDK20110121_070455_000041263098_00365_46500_4076.N1	0	1
5	MIP_NL__0PNPDK20110121_081242_000061213098_00366_46501_4077.N1	0	1
6	MIP_NL__0PNPDK20110121_095305_000059733098_00367_46502_4078.N1	0	1
7	MIP_NL__0PNPDK20110121_113125_000060673098_00368_46503_4079.N1	0	1
8	MIP_NL__0PNPDK20110121_131102_000059233098_00369_46504_4080.N1	0	1
9	MIP_NL__0PNPDK20110121_144848_000059503098_00370_46505_4081.N1	0	1
10	MIP_NL__0PNPDK20110121_162722_000058683098_00371_46506_4082.N1	0	1
11	MIP_NL__0PNPDK20110121_180410_000059143098_00372_46507_4083.N1	0	1
12	MIP_NL__0PNPDE20110121_194039_000041783098_00373_46508_2761.N1	0	1
13	MIP_NL__0PNPDE20110121_204907_000064513098_00373_46508_2762.N1	0	1
14	MIP_NL__0PNPDE20110121_223531_000059963098_00374_46509_2763.N1	0	2

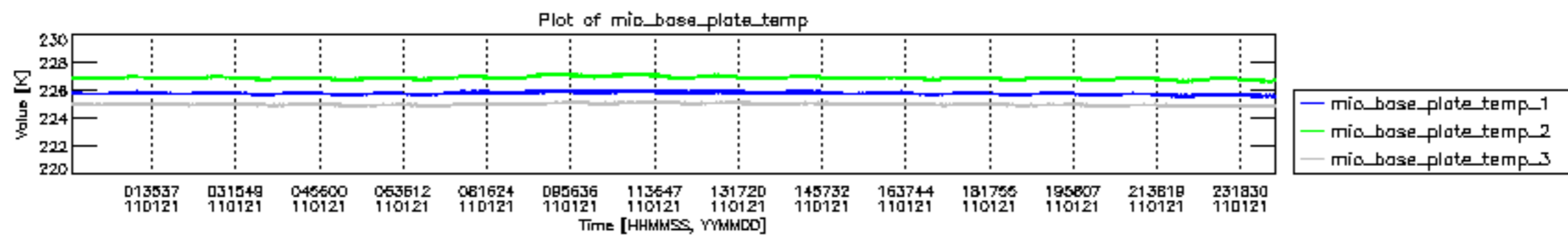


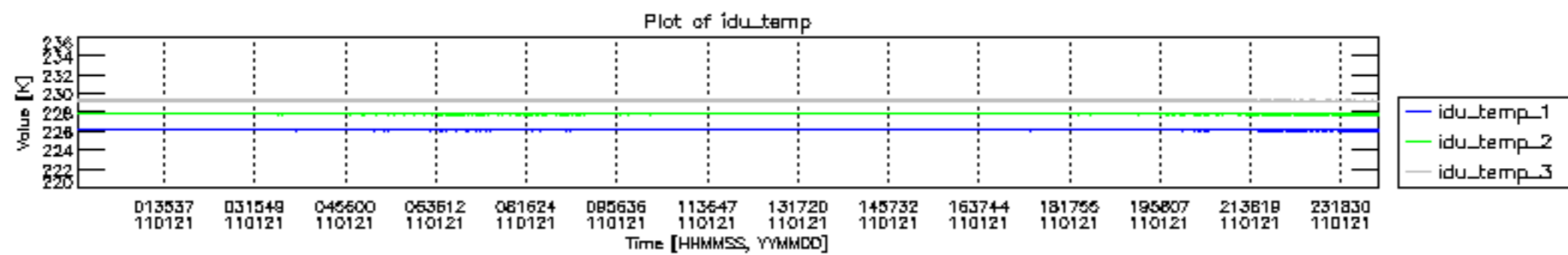
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_12.PNG

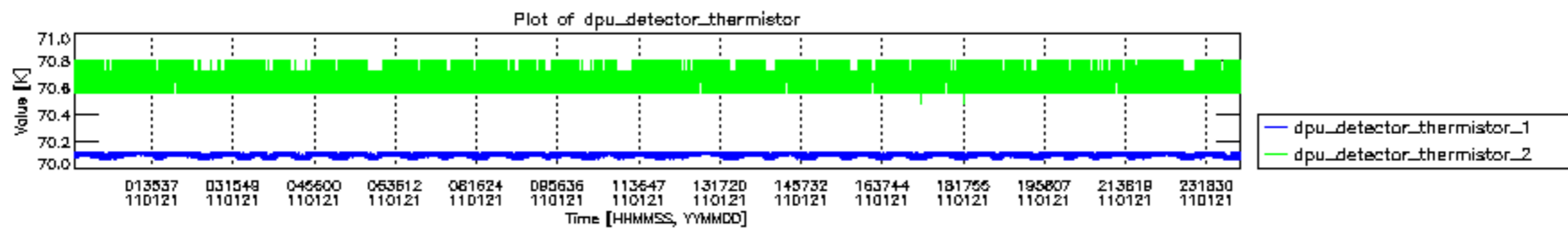


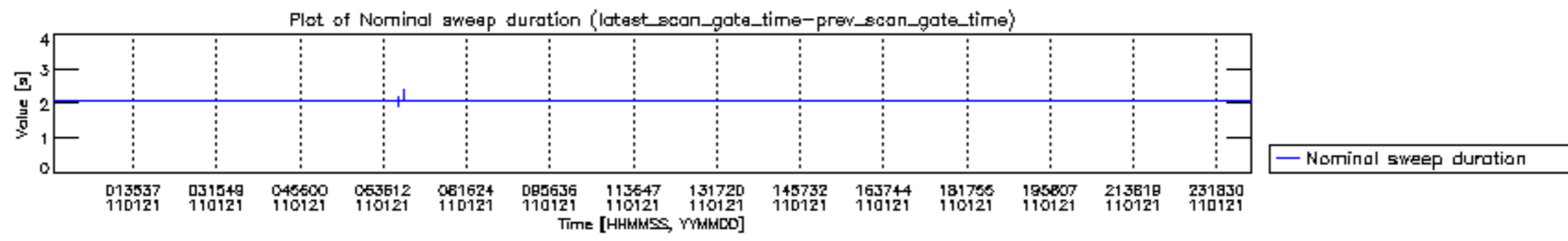
mipas_daily_report_level0_KSPT_L0_4504_N_20110121_13.PNG

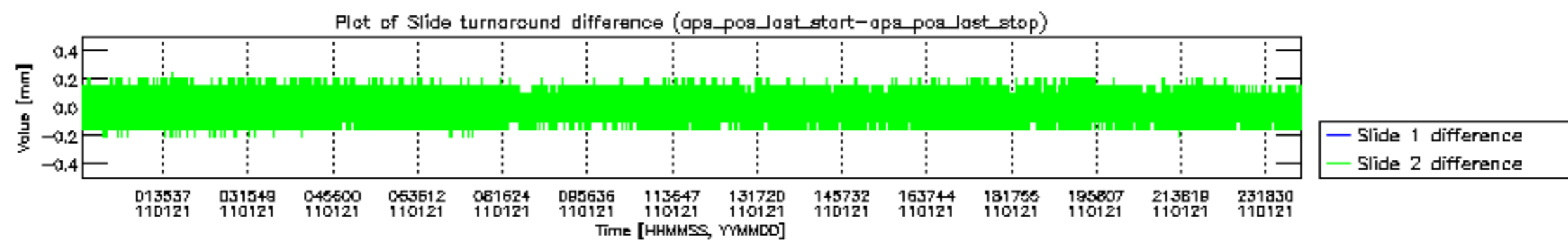


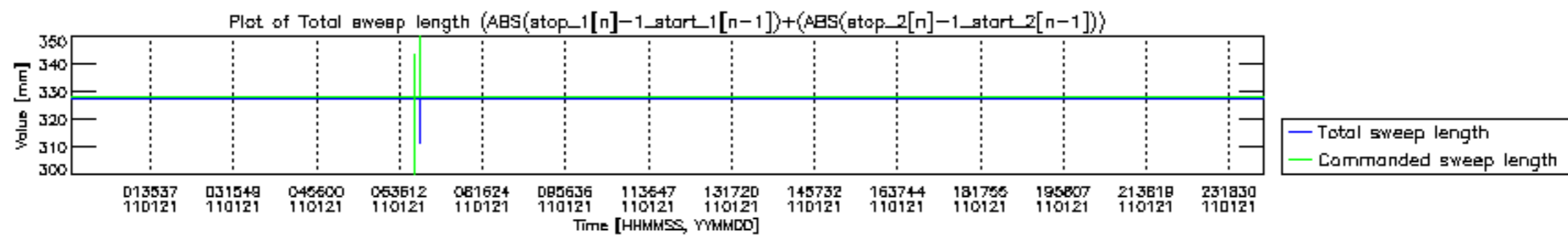


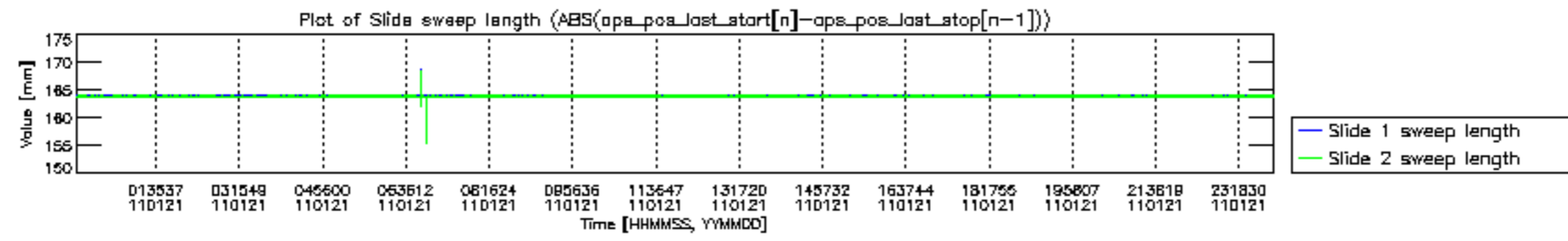


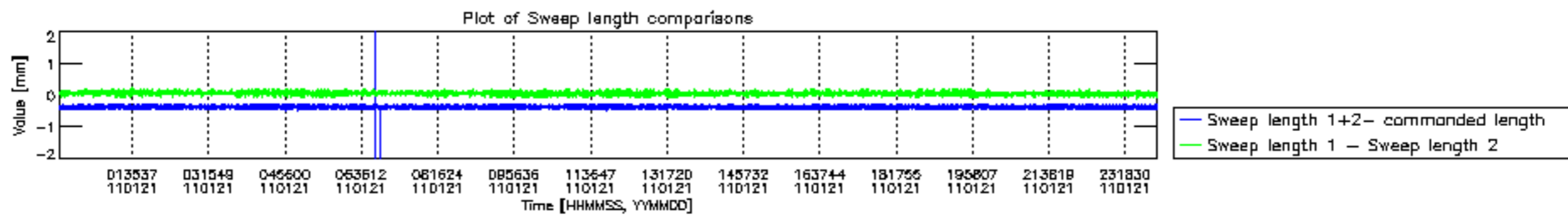


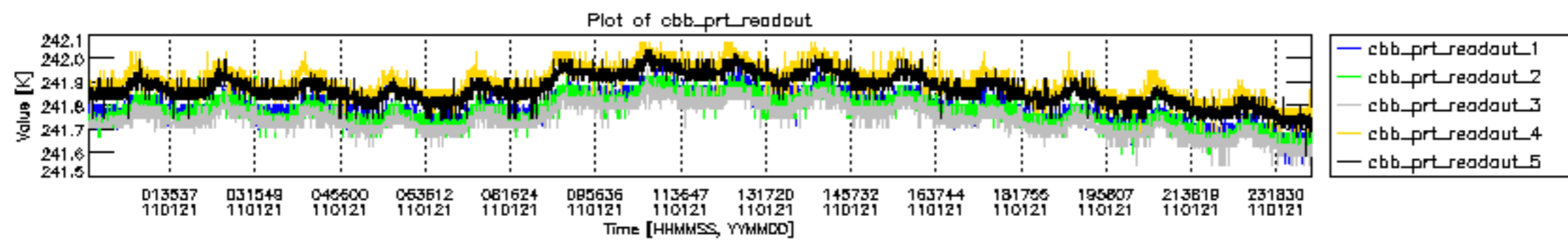


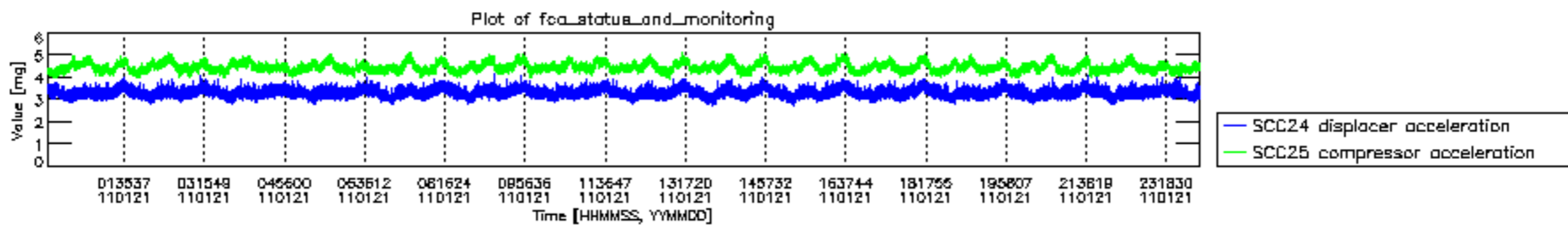












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

