

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	01JUN2011 05:23:36
Data source version	KSPT_L0/4504-N
Processing scope for products	27MAY2011 00:00:00 to 28MAY2011 00:00:00
Start time of first product within scope	27MAY2011 00:32:23
Stop time of last product within scope	28MAY2011 01:34:50
Total number of level 0 products	13
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.

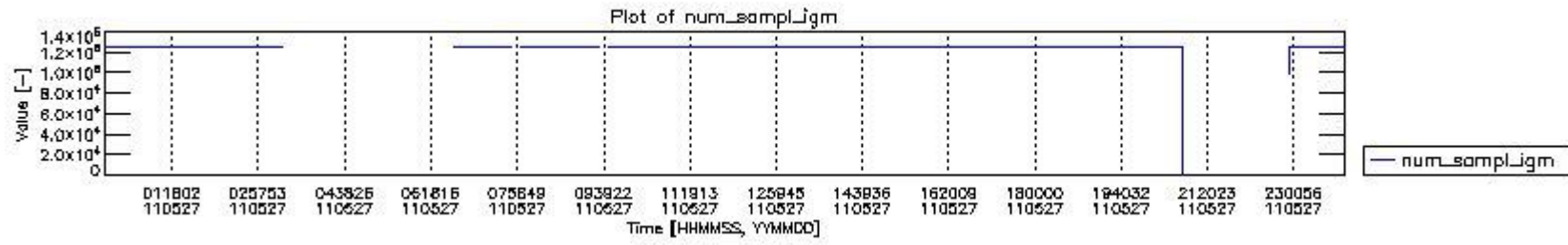
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20110527_003223_000058813103_00016_48306_8796.N1	27MAY2011 00:32:23	27MAY2011 02:10:24	0	0	0	0	0
1	MIP_NL__OPNPDE20110527_020846_000045883103_00017_48307_8797.N1	27MAY2011 02:08:46	27MAY2011 03:25:13	0	0	0	0	0
2	MIP_NL__OPNPDK20110527_064607_000039613103_00020_48310_5254.N1	27MAY2011 06:46:07	27MAY2011 07:52:07	0	0	0	0	0
3	MIP_NL__OPNPDK20110527_080327_000053883103_00021_48311_5255.N1	27MAY2011 08:03:27	27MAY2011 09:33:15	0	0	0	0	0
4	MIP_NL__OPNPDK20110527_094402_000054483103_00022_48312_5256.N1	27MAY2011 09:44:02	27MAY2011 11:14:51	0	0	0	0	0
5	MIP_NL__OPNPDK20110527_111403_000059733103_00023_48313_5257.N1	27MAY2011 11:14:03	27MAY2011 12:53:35	0	0	0	0	0
6	MIP_NL__OPNPDK20110527_125300_000059043103_00024_48314_5258.N1	27MAY2011 12:53:00	27MAY2011 14:31:23	0	0	0	0	0
7	MIP_NL__OPNPDK20110527_143035_000058913103_00025_48315_5259.N1	27MAY2011 14:30:35	27MAY2011 16:08:46	0	0	0	0	0
8	MIP_NL__OPNPDK20110527_160804_000059713103_00026_48316_5260.N1	27MAY2011 16:08:04	27MAY2011 17:47:35	0	0	0	0	0
9	MIP_NL__OPNPDK20110527_174634_000058933103_00027_48317_5261.N1	27MAY2011 17:46:34	27MAY2011 19:24:48	0	0	0	0	0
10	MIP_NL__OPNPDK20110527_192328_000052853103_00028_48318_5262.N1	27MAY2011 19:23:28	27MAY2011 20:51:34	0	0	0	0	0
11	MIP_NL__OPNPDE20110527_225514_000037703103_00030_48320_8800.N1	27MAY2011 22:55:14	27MAY2011 23:58:05	0	0	0	0	0
12	MIP_NL__OPNPDE20110527_235643_000058873103_00030_48320_8801.N1	27MAY2011 23:56:43	28MAY2011 01:34:50	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

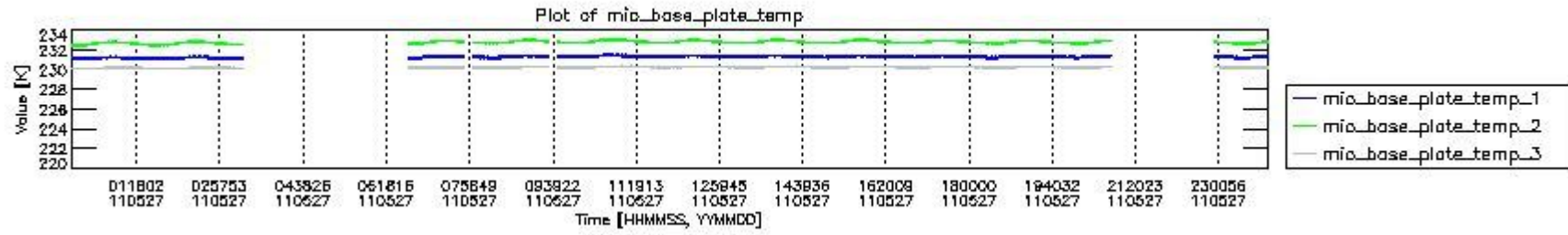
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

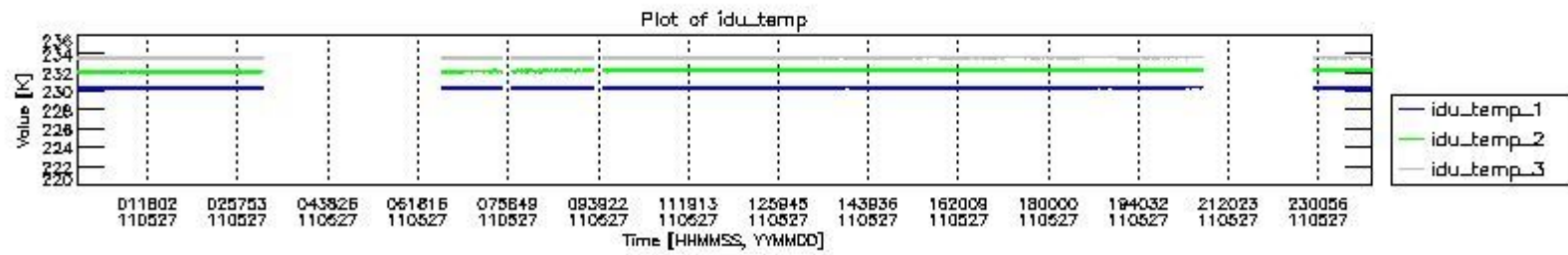
Number of igm samples	Count [#]	Count [%]
88	1	0.0031611557
98996	1	0.0031611557
123696	1	0.0031611557
124248	1	0.0031611557
124800	29368	92.836821



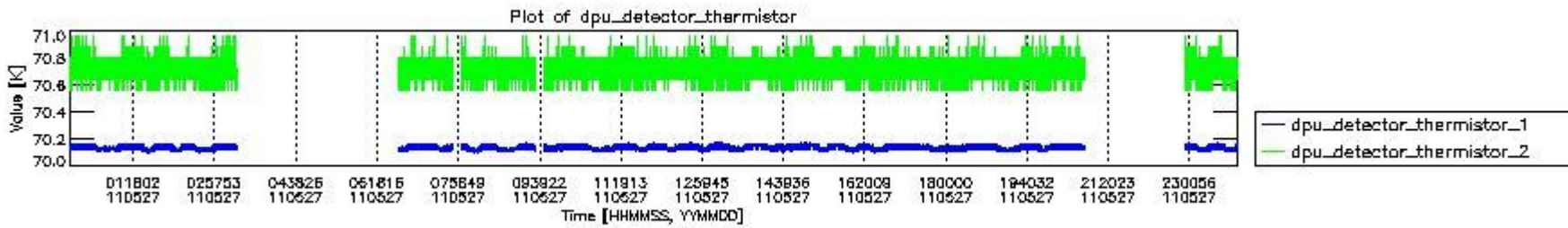
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_0.PNG



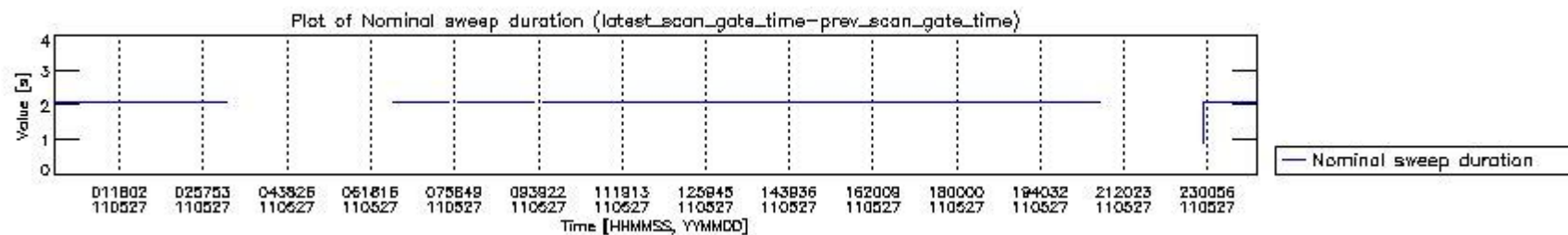
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_1.PNG



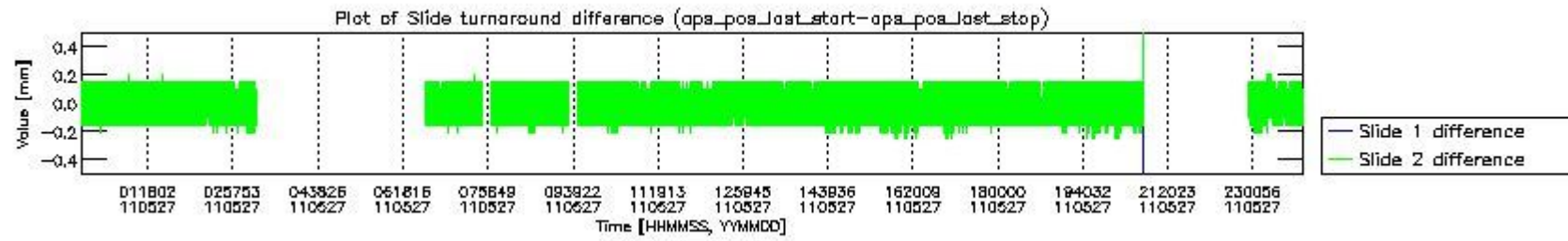
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_2.PNG



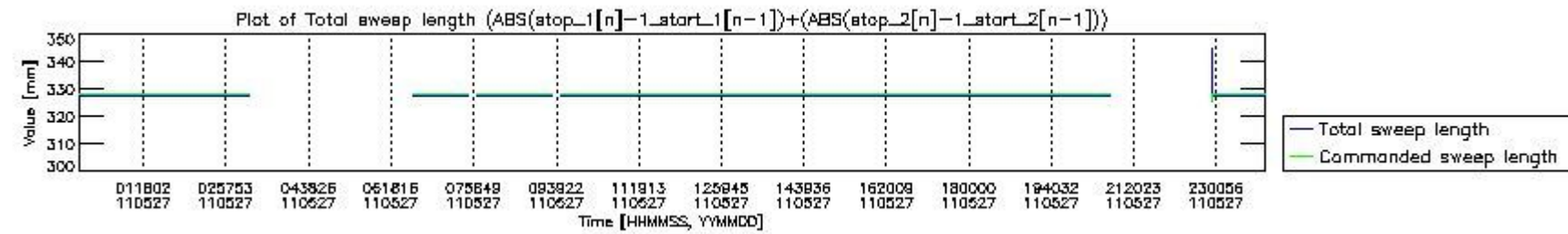
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_3.PNG



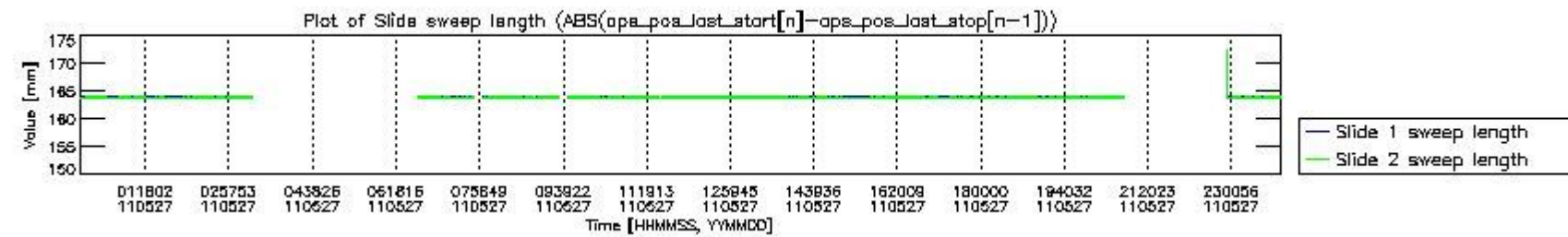
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_4.PNG



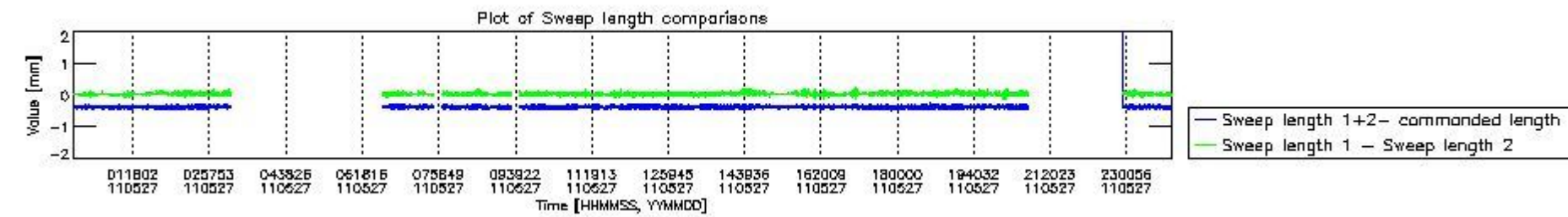
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_5.PNG



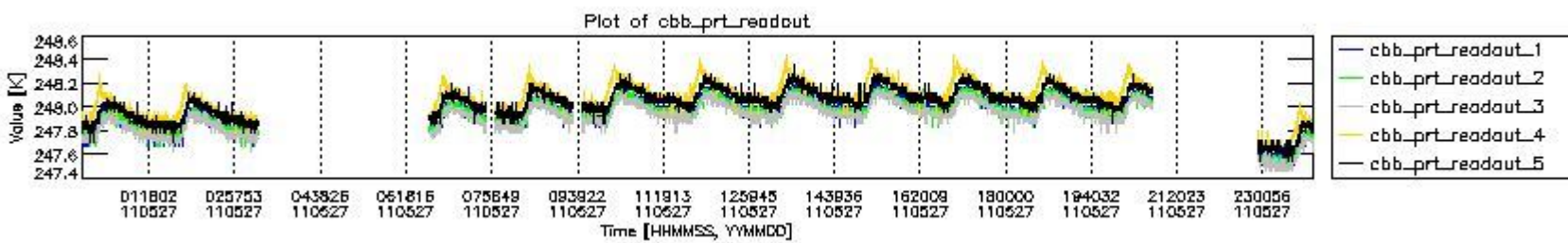
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_6.PNG



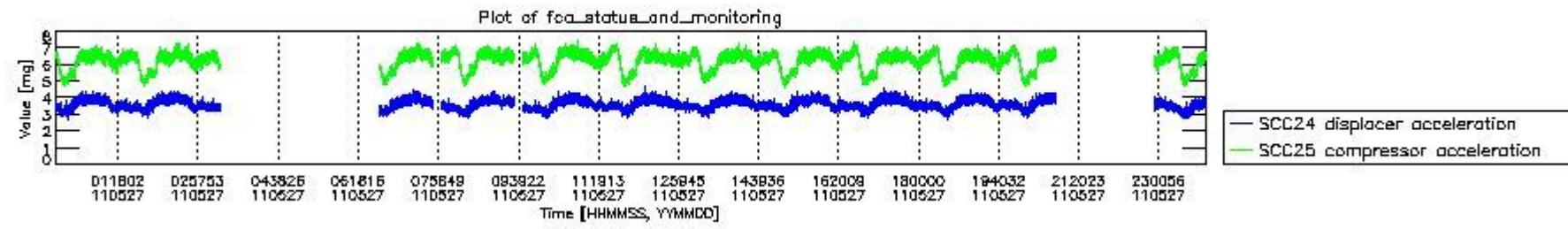
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110527_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110527_9.PNG

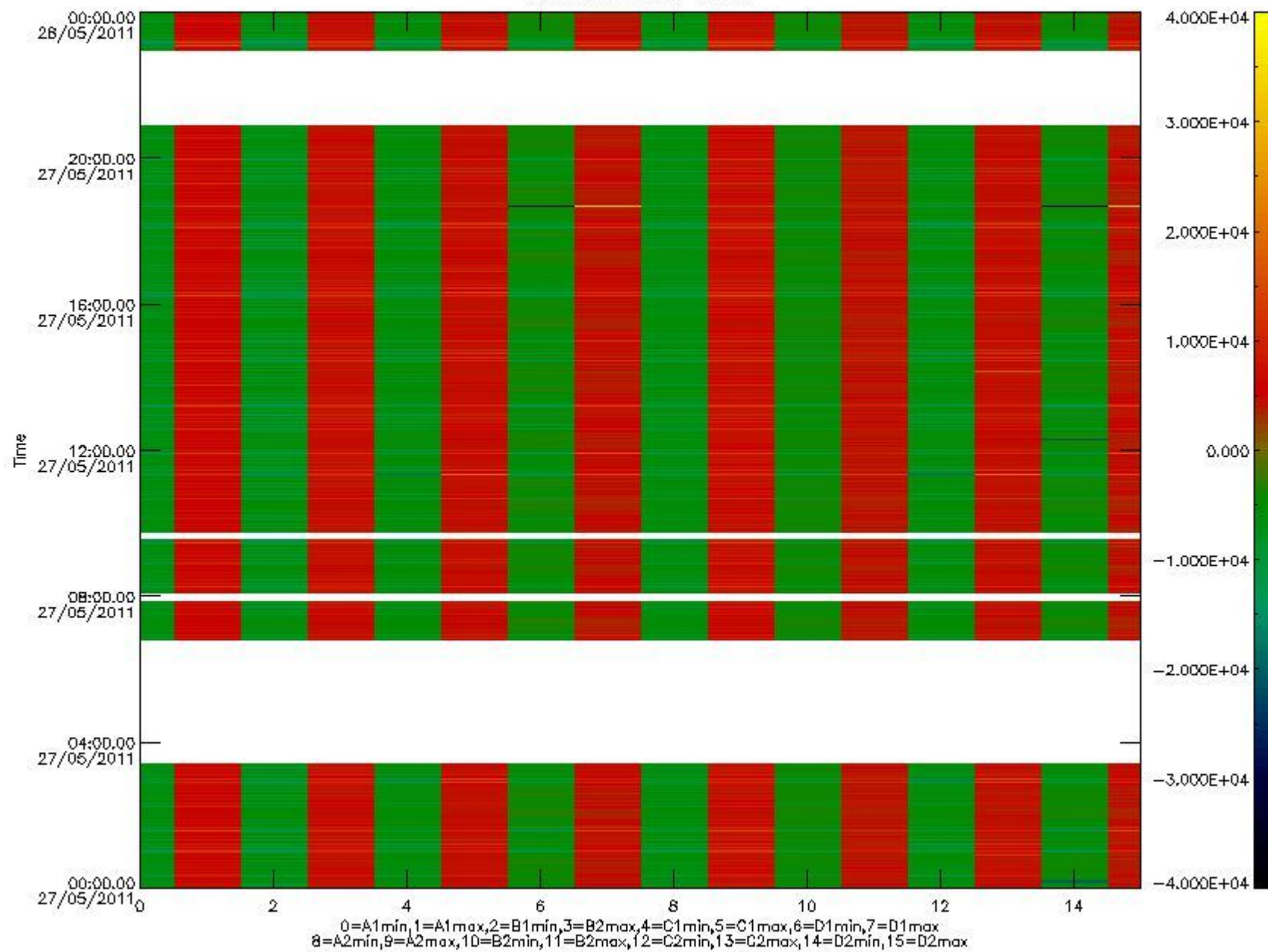


mipas_daily_report_level0_KSPT_L0_4504_N_20110527_10.PNG

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

Channel	Min	Max	ADC
A1	-17889	18719	16bit
B1	-17260	15557	16bit
C1	-26081	25795	16bit
D1	-32768	32767	16bit
A2	-15308	18568	16bit
B2	-15067	14777	16bit
C2	-27295	27185	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110527_11.PNG

0.3 ADF monitoring

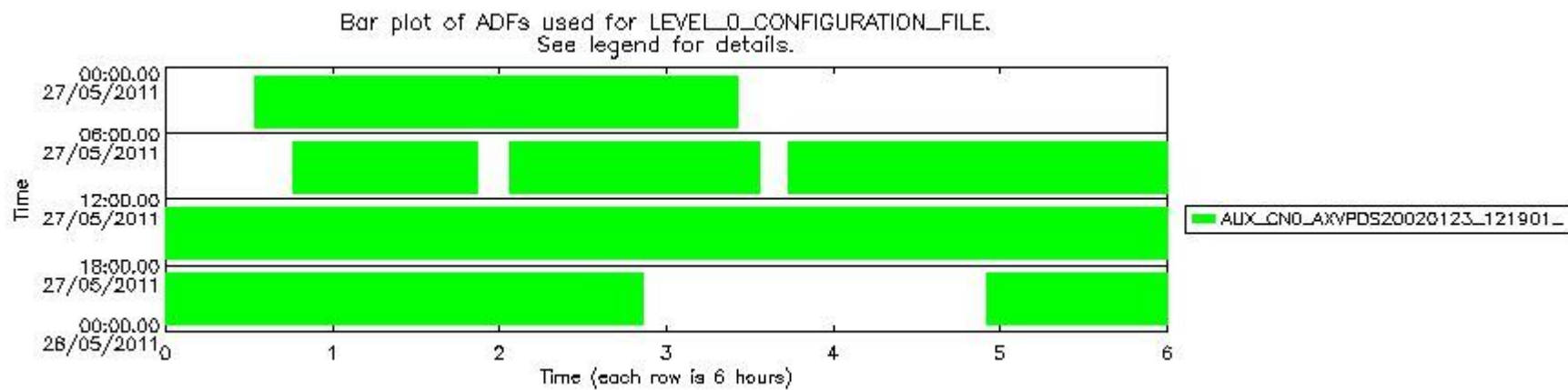
The use of ADFs is shown in two ways:

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.

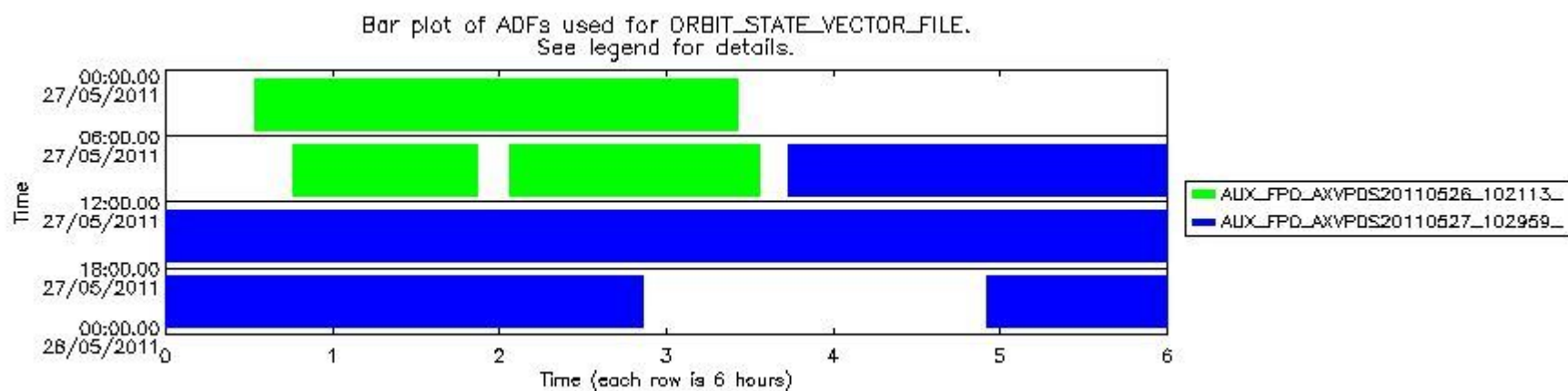
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110526_102113_20110525_184139_20110604_205527
2	AUX_FPO_AXVPDS20110527_102959_20110526_194509_20110605_201842

Number	Product name	#CN0	#FPO
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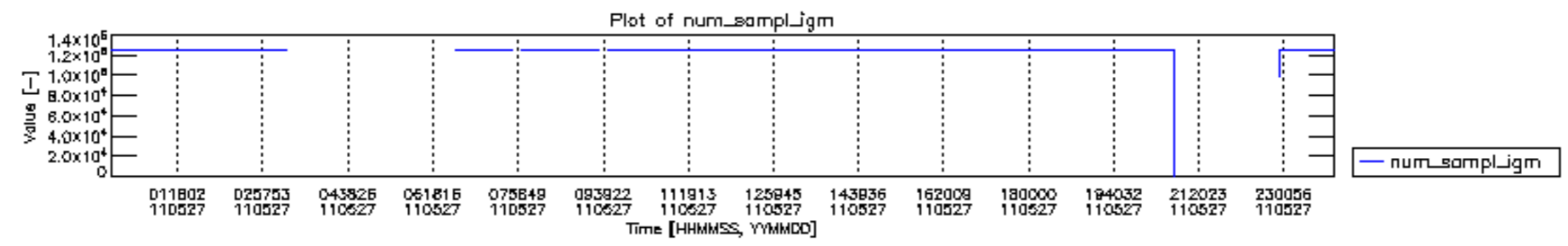
0	MIP_NL__0PNPDE20110527_003223_000058813103_00016_48306_8796.N1	0	1
1	MIP_NL__0PNPDE20110527_020846_000045883103_00017_48307_8797.N1	0	1
2	MIP_NL__0PNPDK20110527_064607_000039613103_00020_48310_5254.N1	0	1
3	MIP_NL__0PNPDK20110527_080327_000053883103_00021_48311_5255.N1	0	1
4	MIP_NL__0PNPDK20110527_094402_000054483103_00022_48312_5256.N1	0	2
5	MIP_NL__0PNPDK20110527_111403_000059733103_00023_48313_5257.N1	0	2
6	MIP_NL__0PNPDK20110527_125300_000059043103_00024_48314_5258.N1	0	2
7	MIP_NL__0PNPDK20110527_143035_000058913103_00025_48315_5259.N1	0	2
8	MIP_NL__0PNPDK20110527_160804_000059713103_00026_48316_5260.N1	0	2
9	MIP_NL__0PNPDK20110527_174634_000058933103_00027_48317_5261.N1	0	2
10	MIP_NL__0PNPDK20110527_192328_000052853103_00028_48318_5262.N1	0	2
11	MIP_NL__0PNPDE20110527_225514_000037703103_00030_48320_8800.N1	0	2
12	MIP_NL__0PNPDE20110527_235643_000058873103_00030_48320_8801.N1	0	2

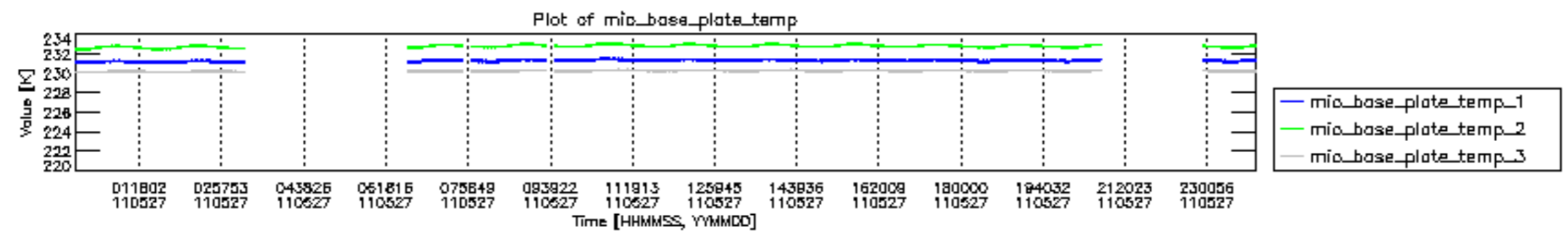


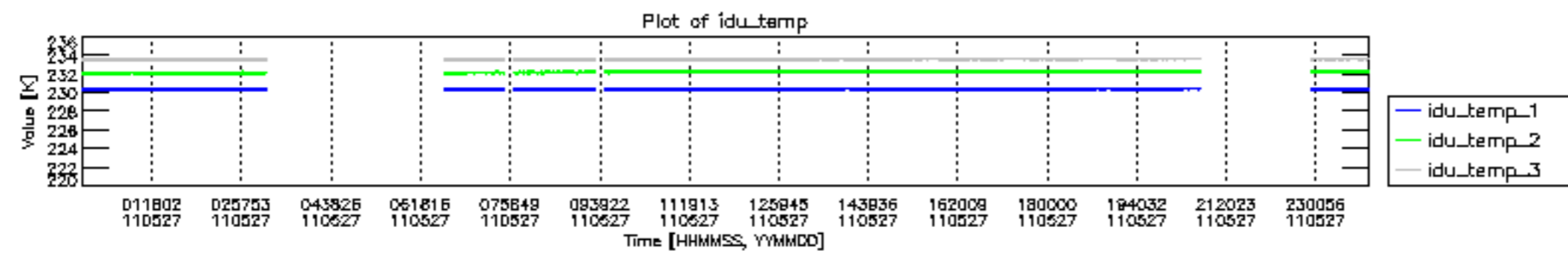
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_12.PNG

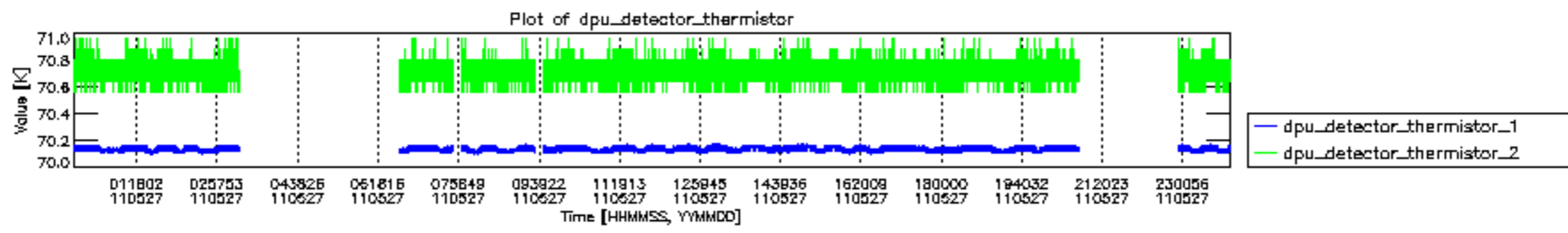


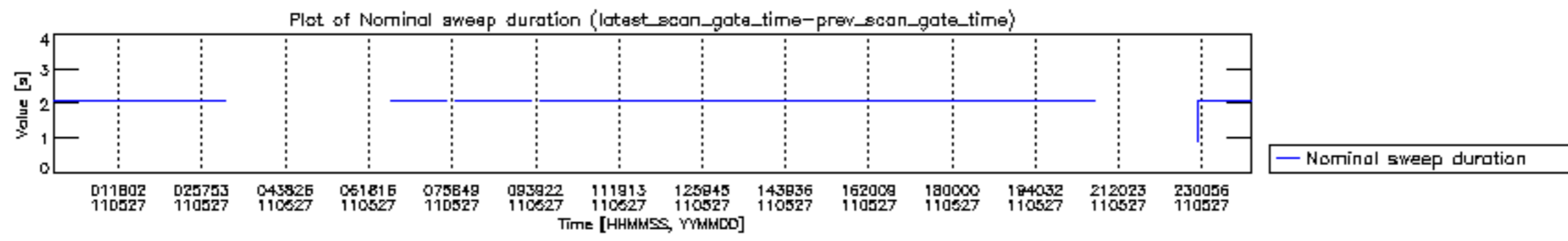
mipas_daily_report_level0_KSPT_L0_4504_N_20110527_13.PNG

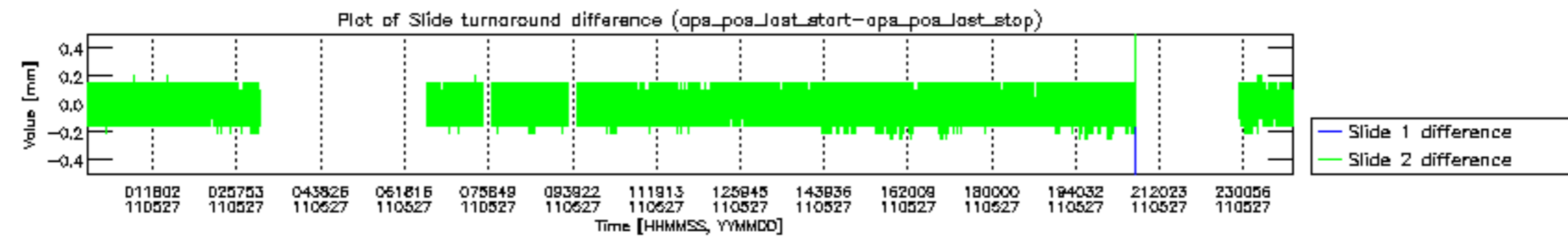


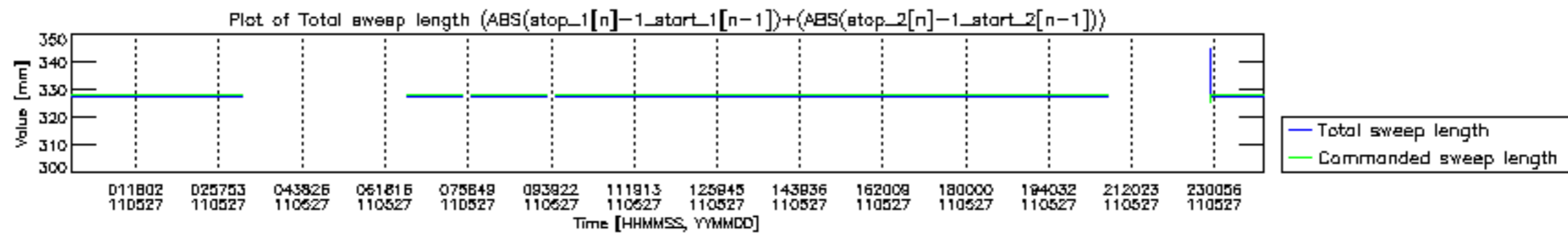


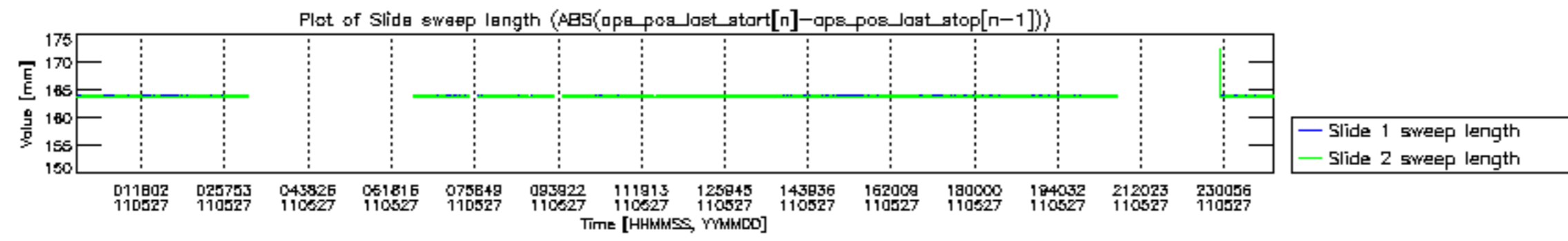


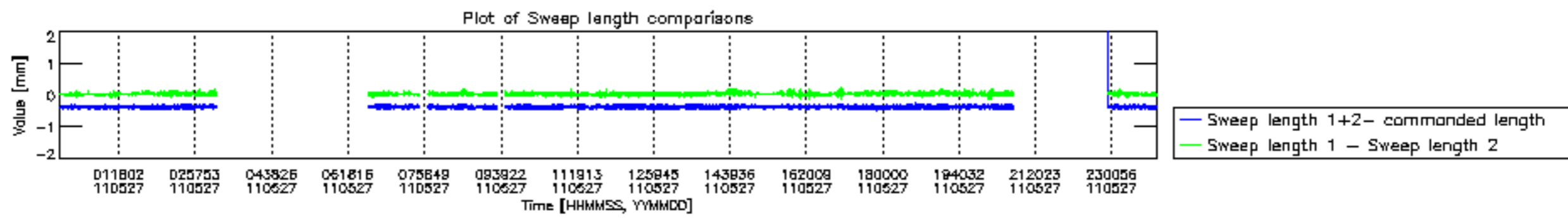


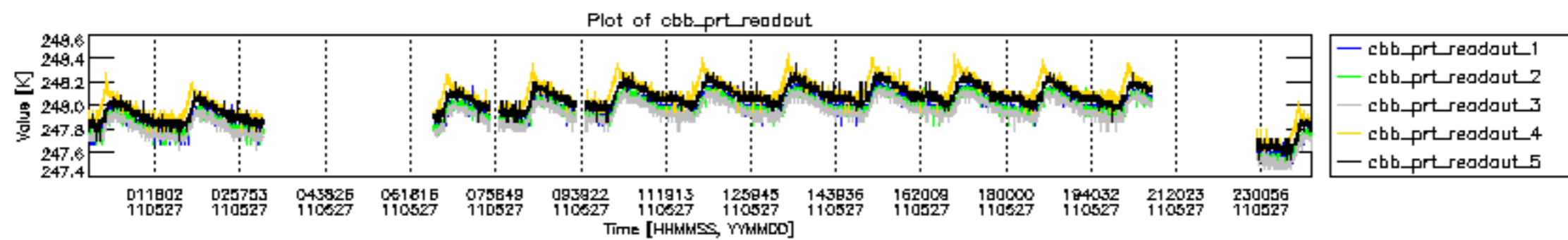


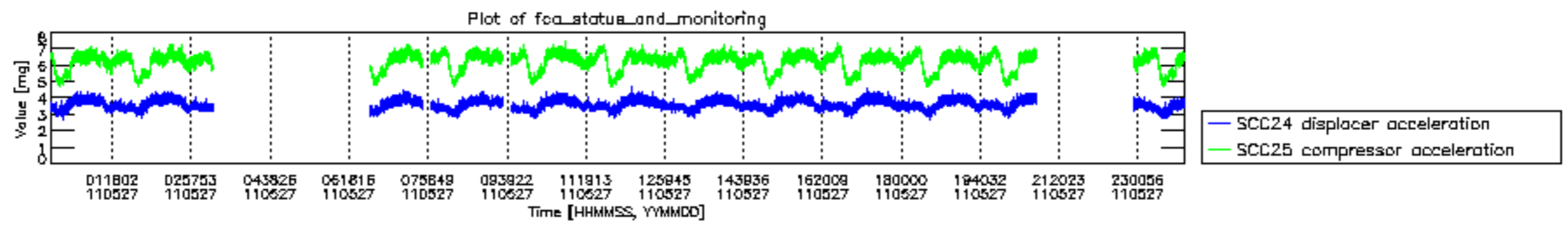












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



