

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	20MAR2011 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	15MAR2011 00:00:00 to 16MAR2011 00:00:00
Start time of first product within scope	15MAR2011 00:09:45
Stop time of last product within scope	16MAR2011 01:14:23
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__0PNPDE20110315_000945_000058573100_00260_47257_3110.N1	15MAR2011 00:09:45	15MAR2011 01:47:22	0	0	0	0	0
1	MIP_NL__0PNPDE20110315_014613_000045023100_00261_47258_3111.N1	15MAR2011 01:46:13	15MAR2011 03:01:15	0	0	0	0	0
2	MIP_NL__0PNPDE20110315_030041_000061773100_00262_47259_3112.N1	15MAR2011 03:00:41	15MAR2011 04:43:38	0	0	0	0	0
3	MIP_NL__0PNPDE20110315_044305_000060103100_00263_47260_3113.N1	15MAR2011 04:43:05	15MAR2011 06:23:15	0	0	0	0	0
4	MIP_NL__0PNPDK20110315_062242_000041323100_00264_47261_4567.N1	15MAR2011 06:22:42	15MAR2011 07:31:34	0	0	0	0	0
5	MIP_NL__0PNPDK20110315_073058_000060643100_00265_47262_4568.N1	15MAR2011 07:30:58	15MAR2011 09:12:03	0	0	0	0	0
6	MIP_NL__0PNPDK20110315_091117_000059753100_00266_47263_4569.N1	15MAR2011 09:11:17	15MAR2011 10:50:51	0	0	0	0	0
7	MIP_NL__0PNPDK20110315_104959_000060413100_00267_47264_4570.N1	15MAR2011 10:49:59	15MAR2011 12:30:40	0	0	0	0	0
8	MIP_NL__0PNPDK20110315_122959_000059273100_00268_47265_4571.N1	15MAR2011 12:29:59	15MAR2011 14:08:45	0	0	0	0	0
9	MIP_NL__0PNPDK20110315_154436_000059913100_00270_47267_4573.N1	15MAR2011 15:44:36	15MAR2011 17:24:28	0	0	0	0	0
10	MIP_NL__0PNPDK20110315_172300_000059313100_00271_47268_4574.N1	15MAR2011 17:23:00	15MAR2011 19:01:51	0	0	0	0	0
11	MIP_NL__0PNPDK20110315_190052_000059623100_00272_47269_4575.N1	15MAR2011 19:00:52	15MAR2011 20:40:14	0	0	0	0	0
12	MIP_NL__0PNPDE20110315_233231_000061123100_00274_47271_3116.N1	15MAR2011 23:32:31	16MAR2011 01:14:23	0	0	0	0	0

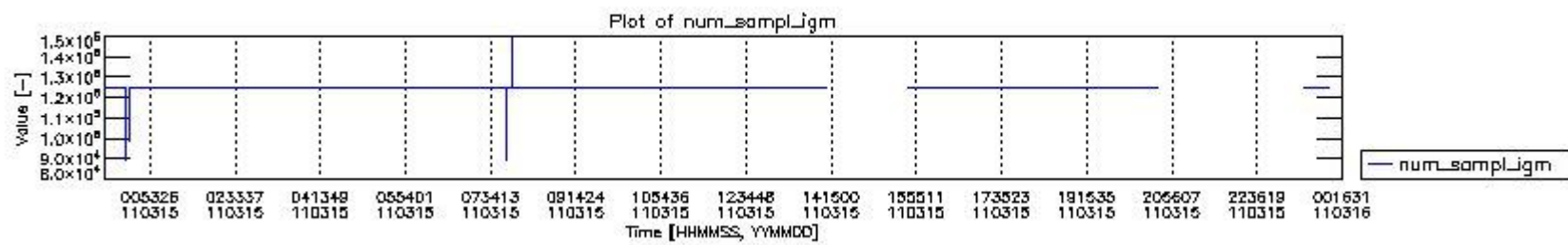
0.2 Instrument Operational Performance Parameters

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.

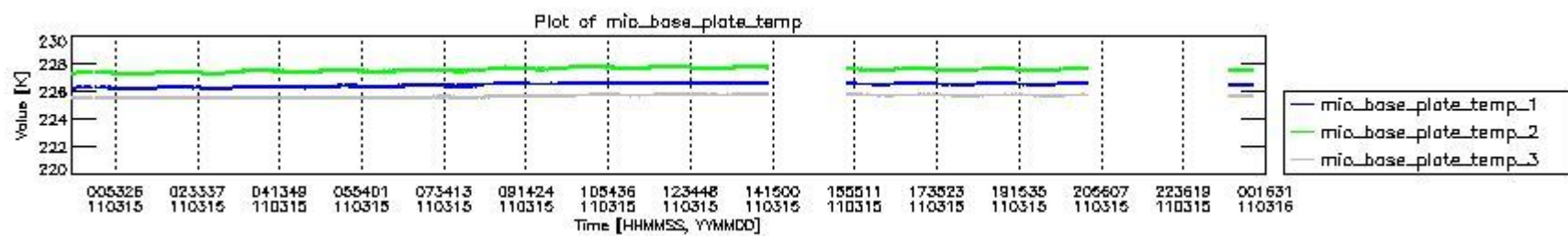
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89434	1	0.0029692975
89582	1	0.0029692975
97051	1	0.0029692975
97125	1	0.0029692975
98847	1	0.0029692975

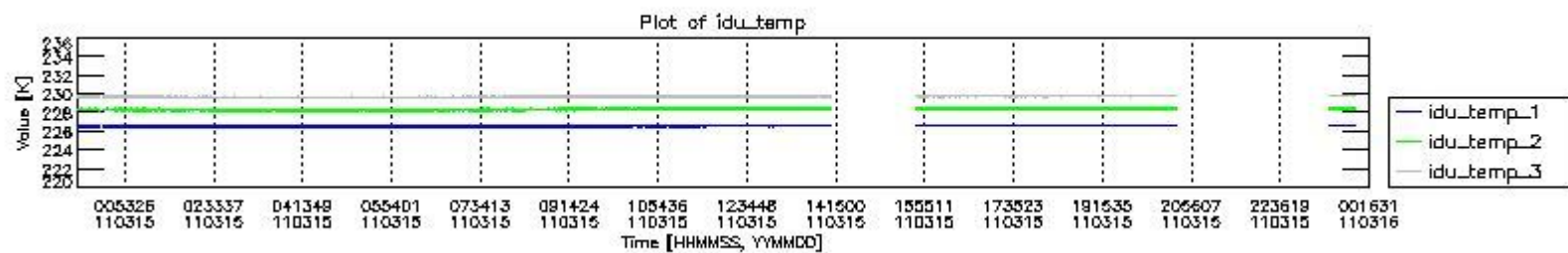
117183	1	0.0029692975
117257	1	0.0029692975
123398	1	0.0029692975
124099	1	0.0029692975
124800	31747	94.266287
124803	1919	5.6980818
127233	1	0.0029692975
147365	1	0.0029692975
149798	1	0.0029692975



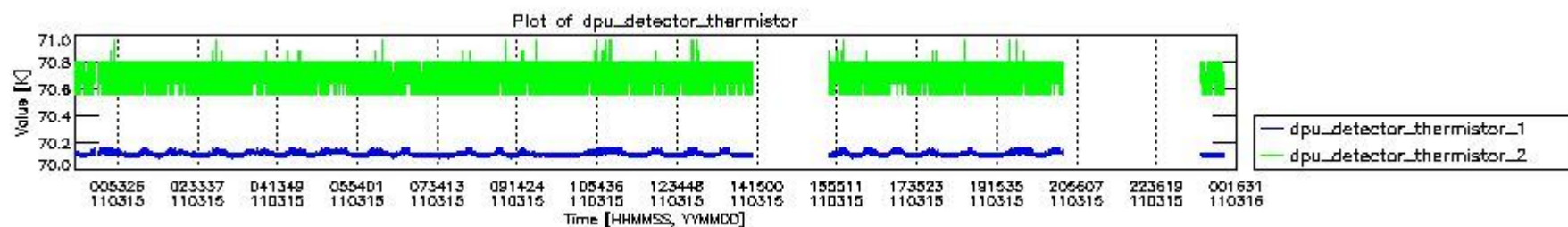
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_0.PNG



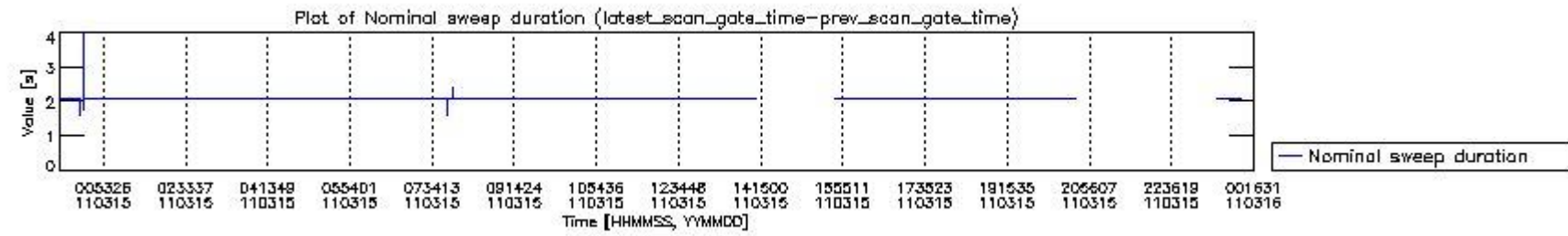
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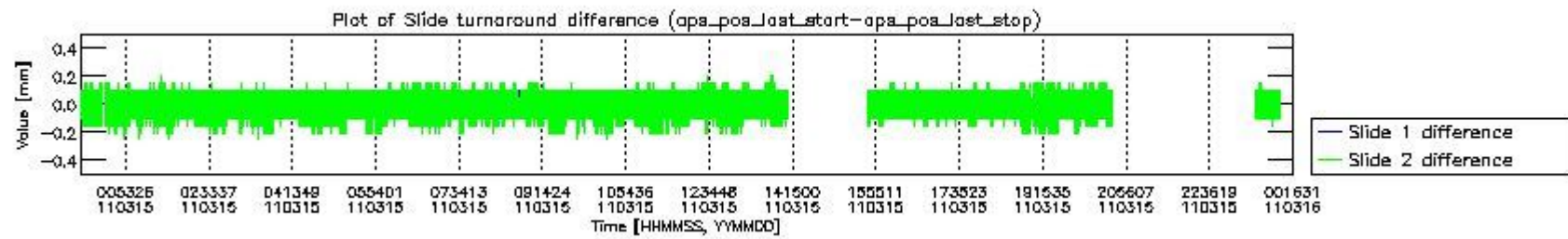
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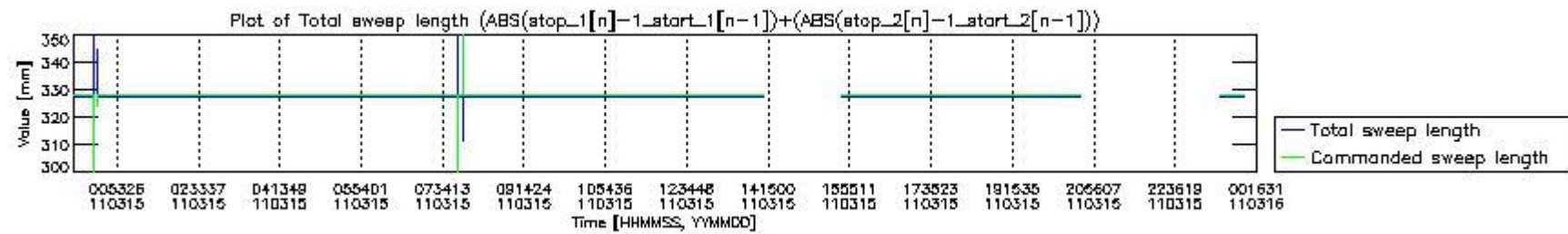
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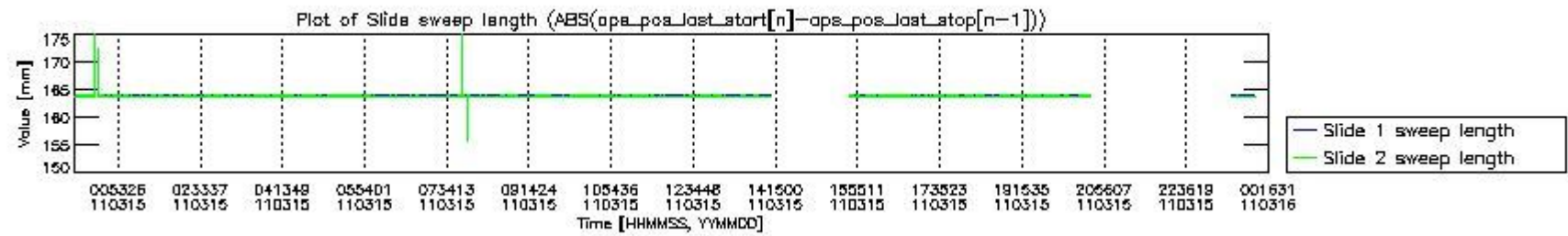
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_4.PNG



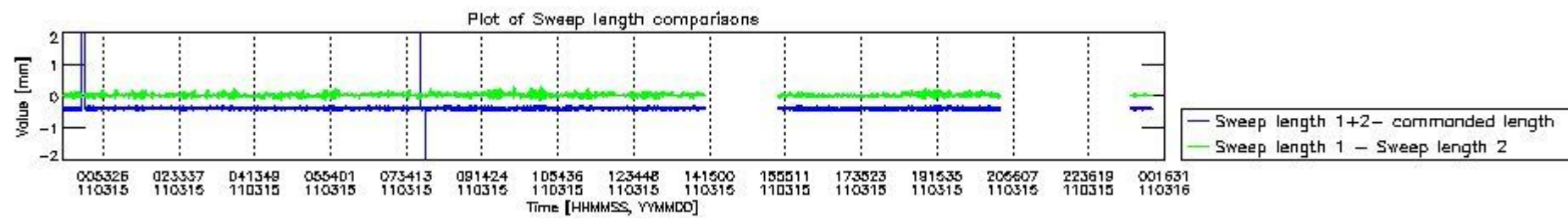
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_5.PNG



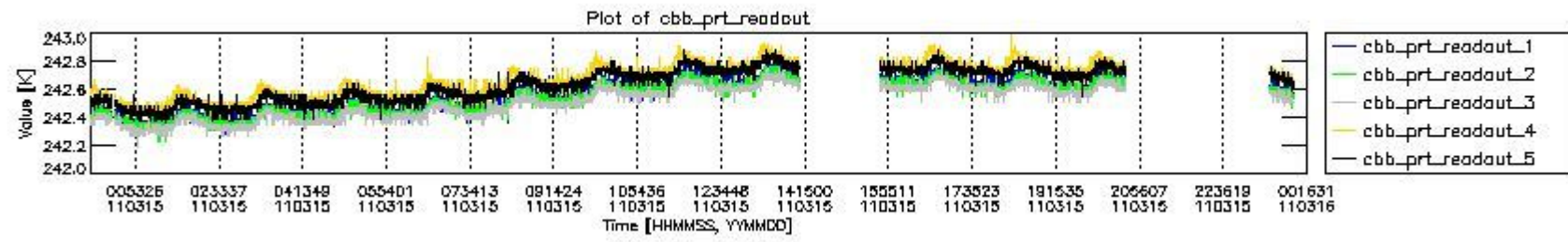
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_6.PNG



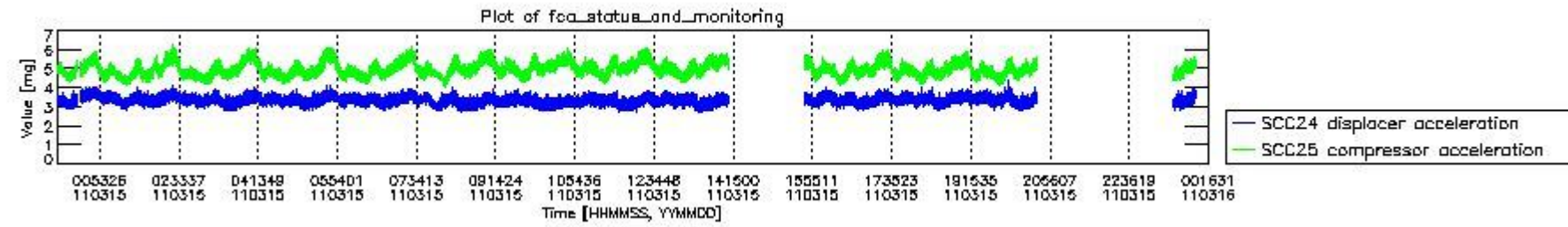
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110315_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110315_9.PNG

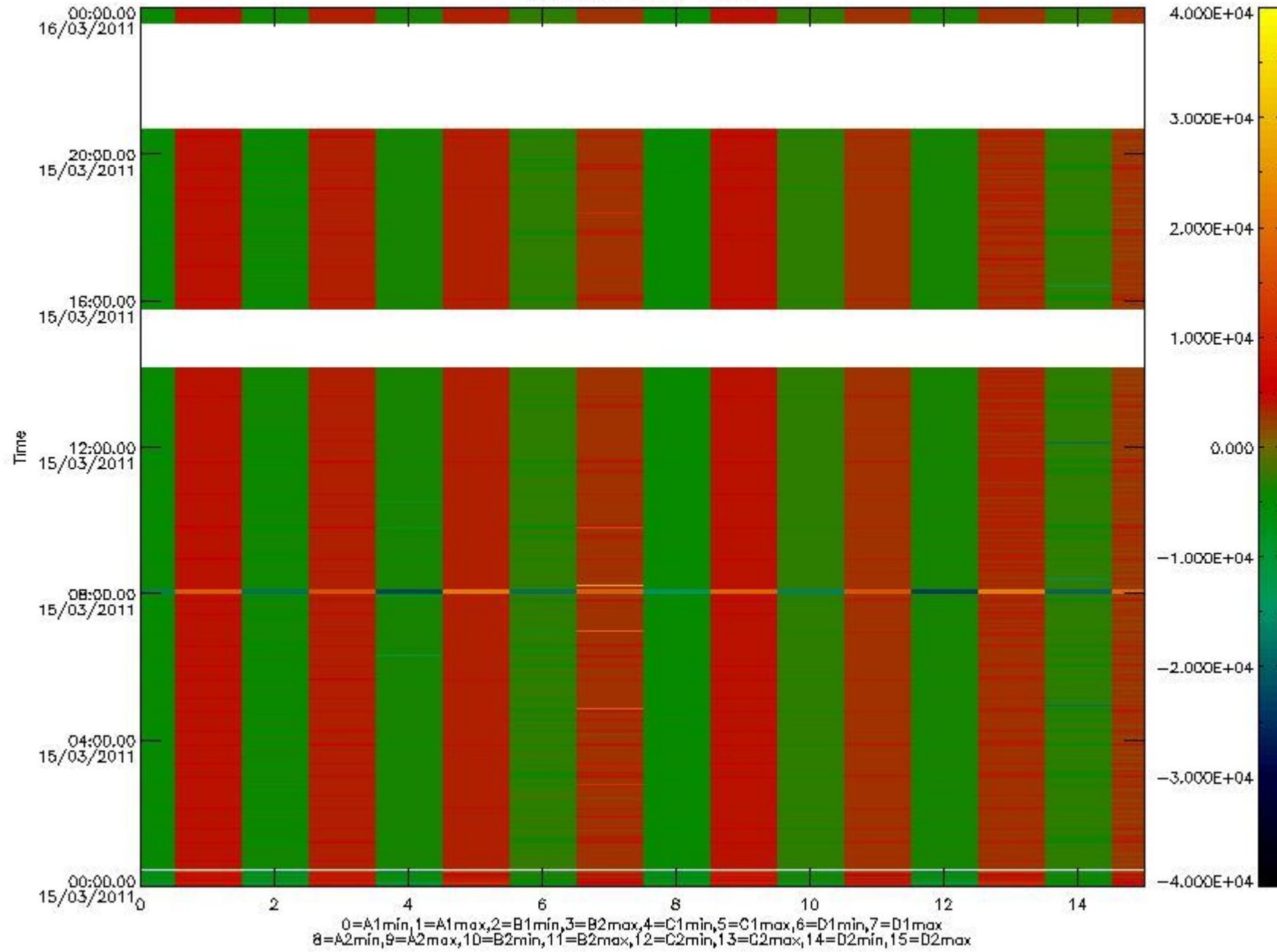


mipas_daily_report_level0_KSPT_L0_4504_N_20110315_10.PNG

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

Channel	Min	Max	ADC
A1	-17600	18613	16bit
B1	-19296	16750	16bit
C1	-22835	22696	16bit
D1	-18878	32139	16bit
A2	-15290	18774	16bit
B2	-17427	17134	16bit
C2	-30580	23602	16bit
D2	-32768	22106	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110315_11.PNG

0.3 ADF monitoring

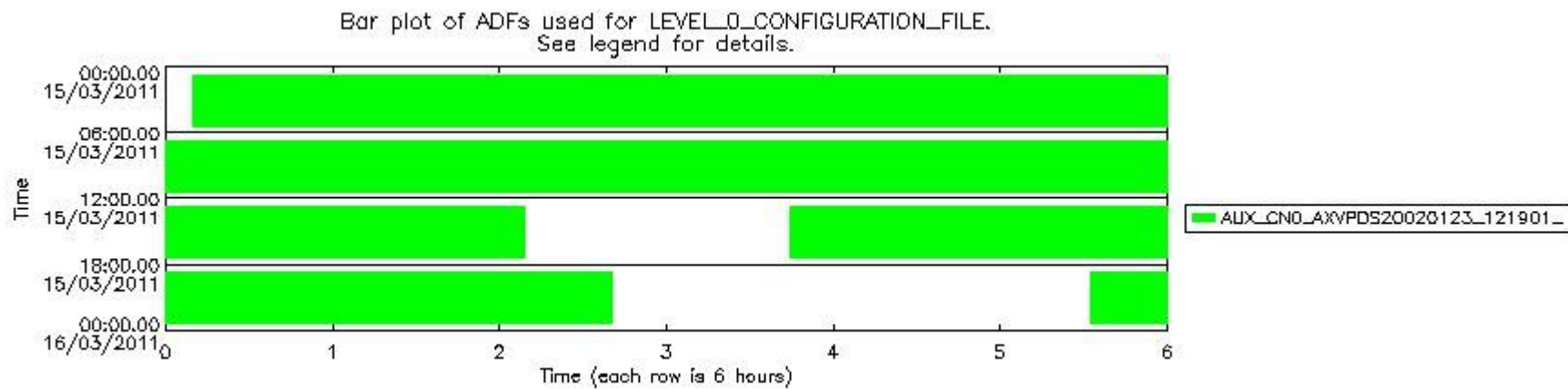
The use of ADFs is shown in two ways:

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.

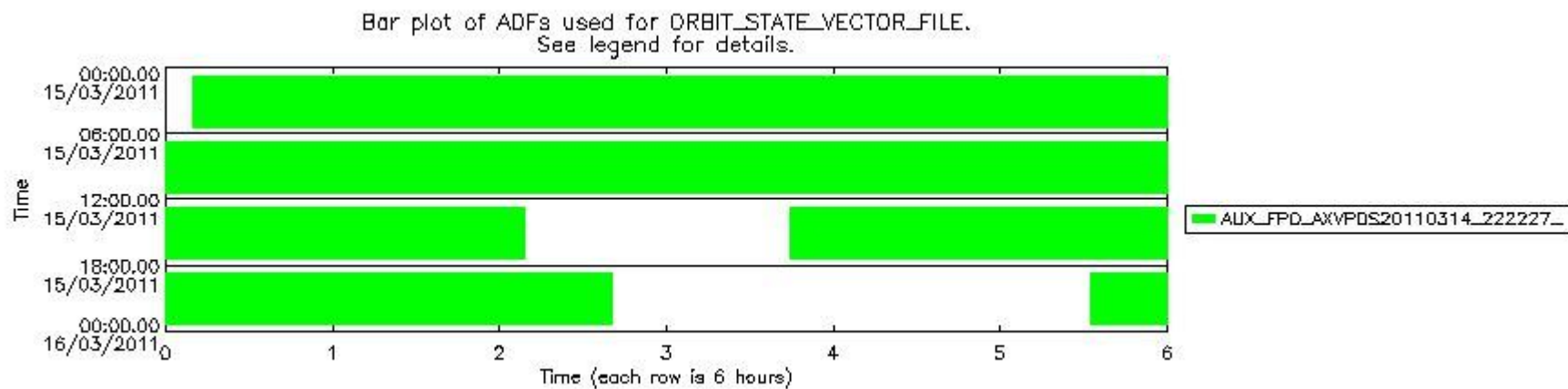
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110314_222227_20110314_192032_20110324_213421

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110315_000945_000058573100_00260_47257_3110.N1	0	1

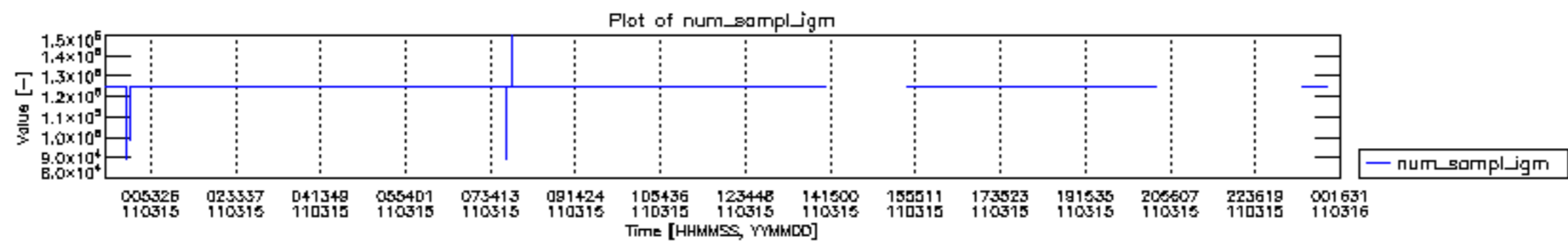
1	MIP_NL__0PNPDE20110315_014613_000045023100_00261_47258_3111.N1	0	1
2	MIP_NL__0PNPDE20110315_030041_000061773100_00262_47259_3112.N1	0	1
3	MIP_NL__0PNPDE20110315_044305_000060103100_00263_47260_3113.N1	0	1
4	MIP_NL__0PNPDK20110315_062242_000041323100_00264_47261_4567.N1	0	1
5	MIP_NL__0PNPDK20110315_073058_000060643100_00265_47262_4568.N1	0	1
6	MIP_NL__0PNPDK20110315_091117_000059753100_00266_47263_4569.N1	0	1
7	MIP_NL__0PNPDK20110315_104959_000060413100_00267_47264_4570.N1	0	1
8	MIP_NL__0PNPDK20110315_122959_000059273100_00268_47265_4571.N1	0	1
9	MIP_NL__0PNPDK20110315_154436_000059913100_00270_47267_4573.N1	0	1
10	MIP_NL__0PNPDK20110315_172300_000059313100_00271_47268_4574.N1	0	1
11	MIP_NL__0PNPDK20110315_190052_000059623100_00272_47269_4575.N1	0	1
12	MIP_NL__0PNPDE20110315_233231_000061123100_00274_47271_3116.N1	0	1

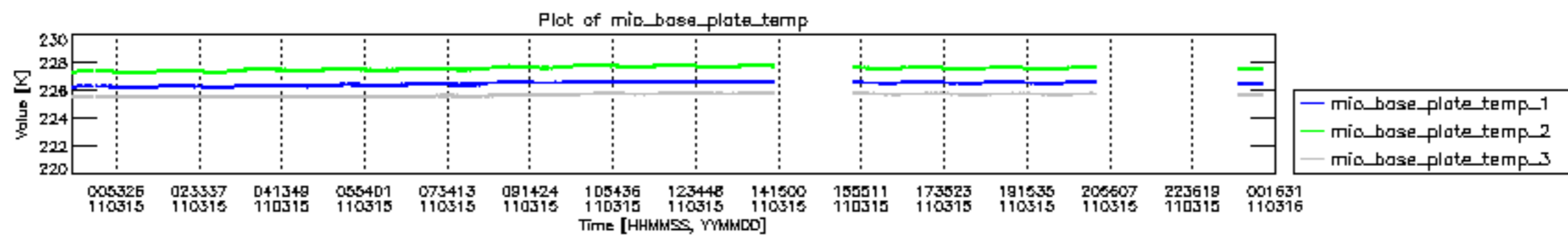


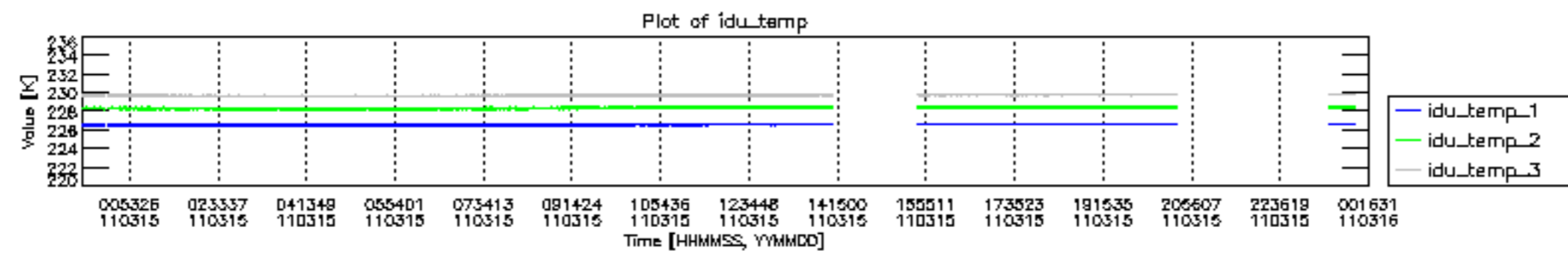
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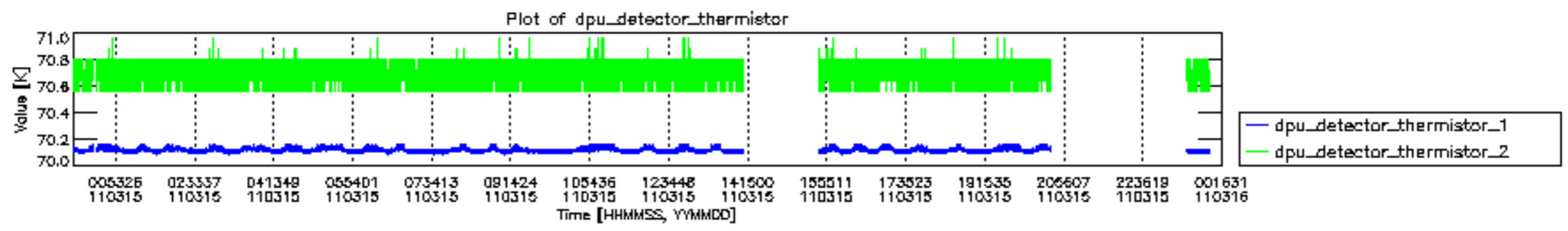


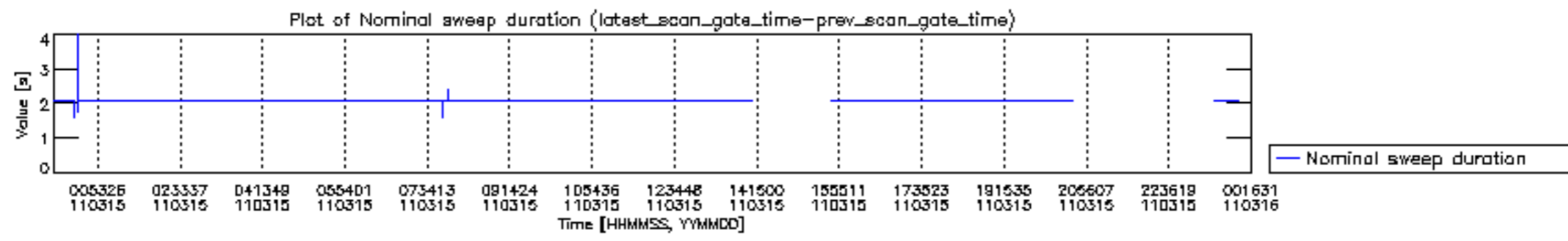
mipas_daily_report_level0_KSPT_L0_4504_N_20110315_13.PNG

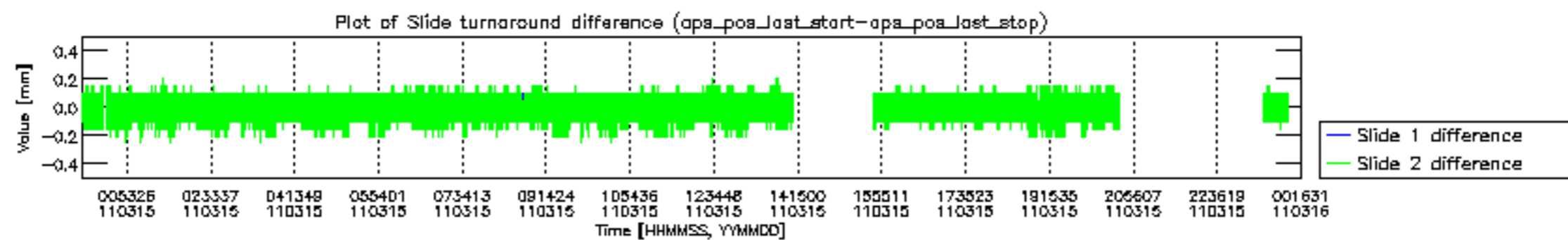


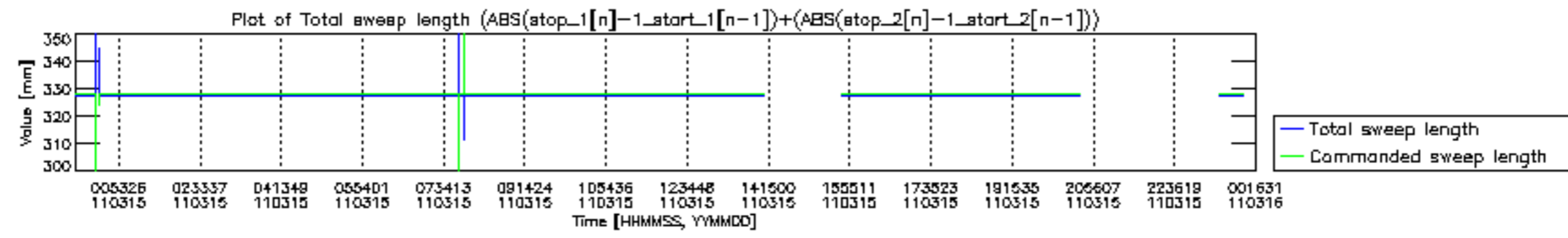


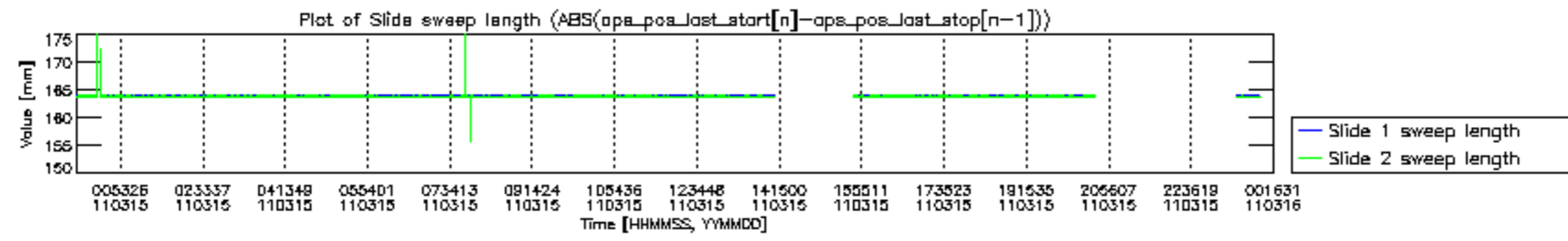


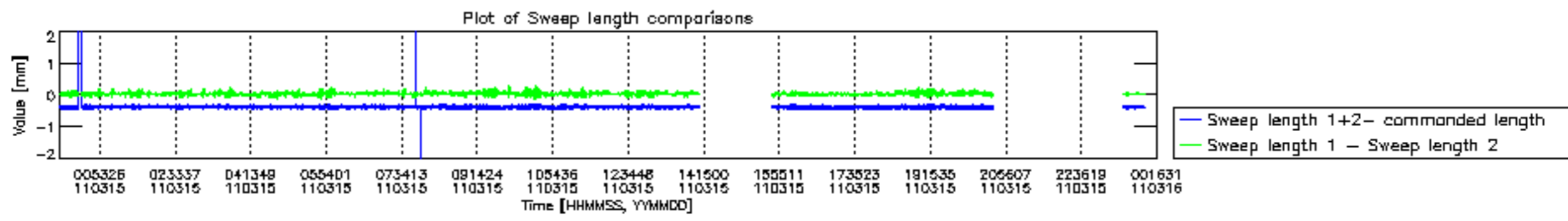


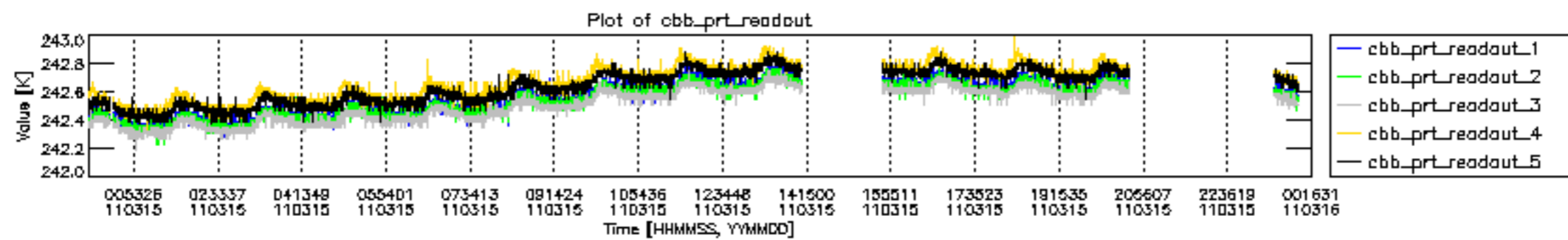


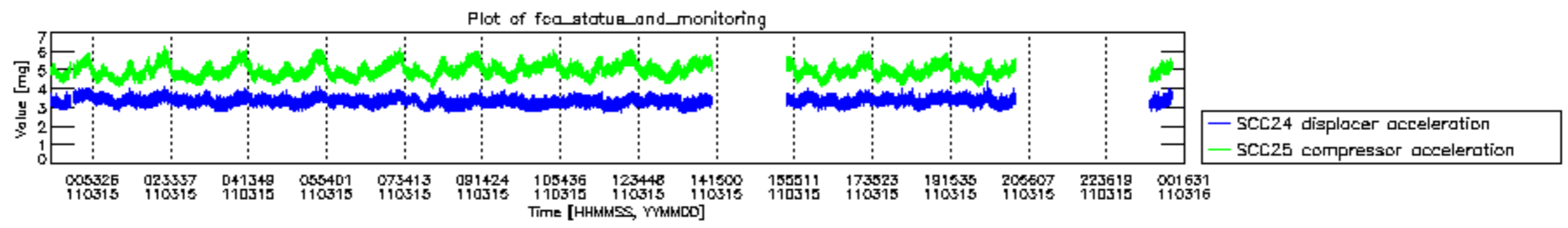












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

