

## 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	10AUG2011 05:25:04
Data source version	KSPT_L0/4504-N
Processing scope for products	05AUG2011 00:00:00 to 06AUG2011 00:00:00
Start time of first product within scope	05AUG2011 01:07:55
Stop time of last product within scope	06AUG2011 00:33:18
Total number of level 0 products	16
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__0PNPDE20110805_010755_000103303105_00160_49312_9376.N1	05AUG2011 01:07:55	05AUG2011 04:00:04	0	0	0	0	0
1	MIP_NL__0PNPDE20110805_012806_000013983105_00161_49313_4212.N1	05AUG2011 01:28:06	05AUG2011 01:51:23	0	0	0	0	0
2	MIP_NL__0PNPDE20110805_015125_000077193105_00161_49313_4213.N1	05AUG2011 01:51:25	05AUG2011 04:00:04	0	0	0	0	0
3	MIP_NL__0PNPDE20110805_035931_000061443105_00162_49314_9377.N1	05AUG2011 03:59:31	05AUG2011 05:41:55	0	0	0	0	0
4	MIP_NL__0PNPDE20110805_054121_000061253105_00163_49315_9378.N1	05AUG2011 05:41:21	05AUG2011 07:23:26	0	0	0	0	0
5	MIP_NL__0PNPDK20110805_072253_000040053105_00164_49316_5963.N1	05AUG2011 07:22:53	05AUG2011 08:29:38	0	0	0	0	0
6	MIP_NL__0PNPDK20110805_082904_000061053105_00165_49317_5964.N1	05AUG2011 08:29:04	05AUG2011 10:10:49	0	0	0	0	0
7	MIP_NL__0PNPDK20110805_101007_000060063105_00166_49318_5965.N1	05AUG2011 10:10:07	05AUG2011 11:50:13	0	0	0	0	0
8	MIP_NL__0PNPDK20110805_114929_000059453105_00167_49319_5966.N1	05AUG2011 11:49:29	05AUG2011 13:28:34	0	0	0	0	0
9	MIP_NL__0PNPDK20110805_132803_000059083105_00168_49320_5967.N1	05AUG2011 13:28:03	05AUG2011 15:06:31	0	0	0	0	0
10	MIP_NL__0PNPDK20110805_150547_000058813105_00169_49321_5968.N1	05AUG2011 15:05:47	05AUG2011 16:43:47	0	0	0	0	0
11	MIP_NL__0PNPDK20110805_164224_000059603105_00170_49322_5969.N1	05AUG2011 16:42:24	05AUG2011 18:21:44	0	0	0	0	0
12	MIP_NL__0PNPDK20110805_182047_000059433105_00171_49323_5970.N1	05AUG2011 18:20:47	05AUG2011 19:59:51	0	0	0	0	0
13	MIP_NL__0PNPDE20110805_195817_000040303105_00172_49324_9379.N1	05AUG2011 19:58:17	05AUG2011 21:05:26	0	0	0	0	0
14	MIP_NL__0PNPDE20110805_210338_000065263105_00172_49324_9380.N1	05AUG2011 21:03:38	05AUG2011 22:52:24	0	0	0	0	0
15	MIP_NL__0PNPDE20110805_225123_000061153105_00173_49325_9381.N1	05AUG2011 22:51:23	06AUG2011 00:33:18	0	0	0	0	0

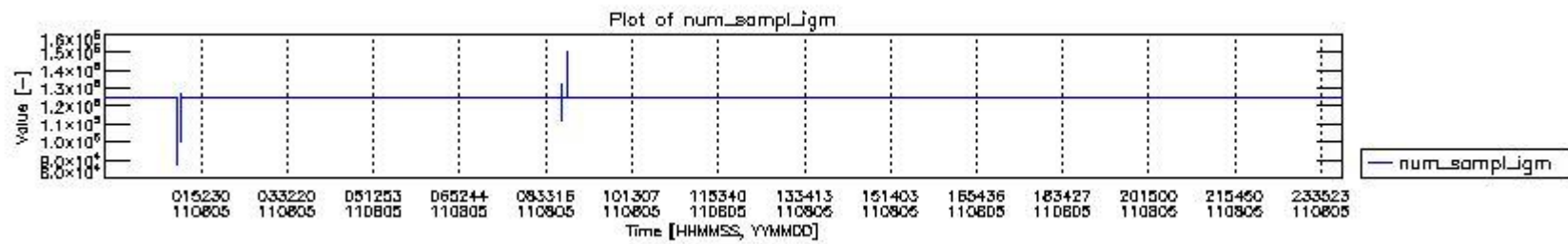
## 0.2 Instrument Operational Performance Parameters

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.

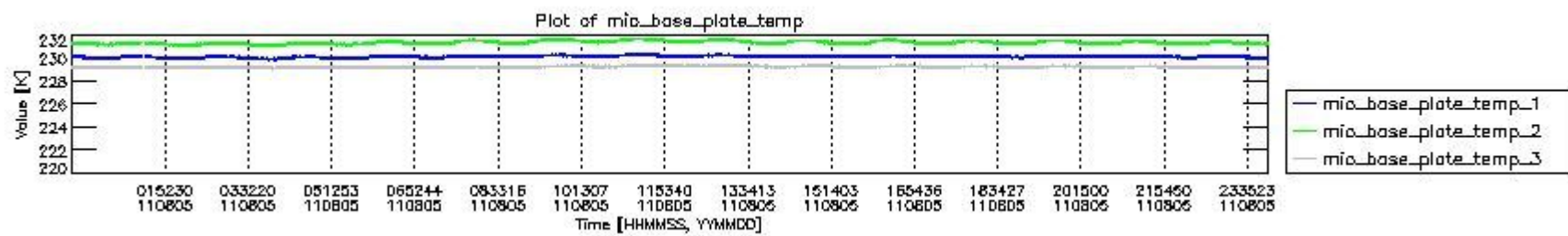
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
87350	1	0.0024095805
96009	1	0.0024095805

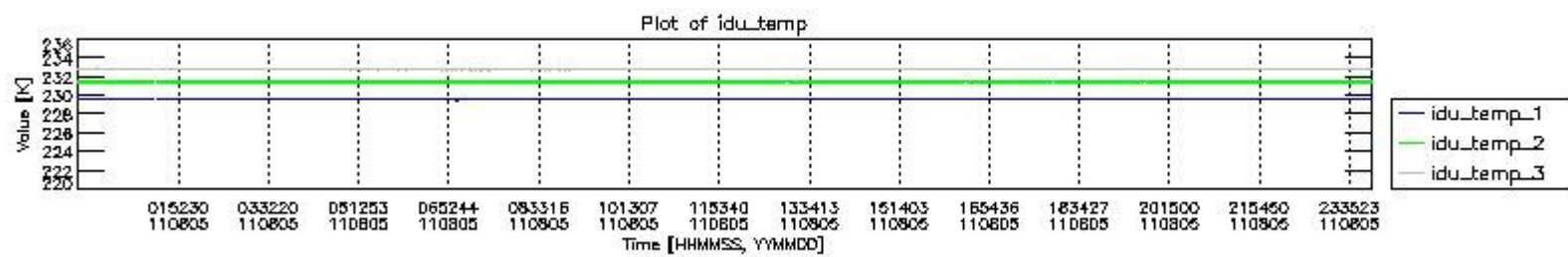
100483	1	0.0024095805
111624	1	0.0024095805
116144	1	0.0024095805
118574	1	0.0024095805
124800	38582	92.966435
124803	2907	7.0046505
125735	1	0.0024095805
126670	1	0.0024095805
127456	1	0.0024095805
131753	1	0.0024095805
147588	1	0.0024095805
150244	1	0.0024095805



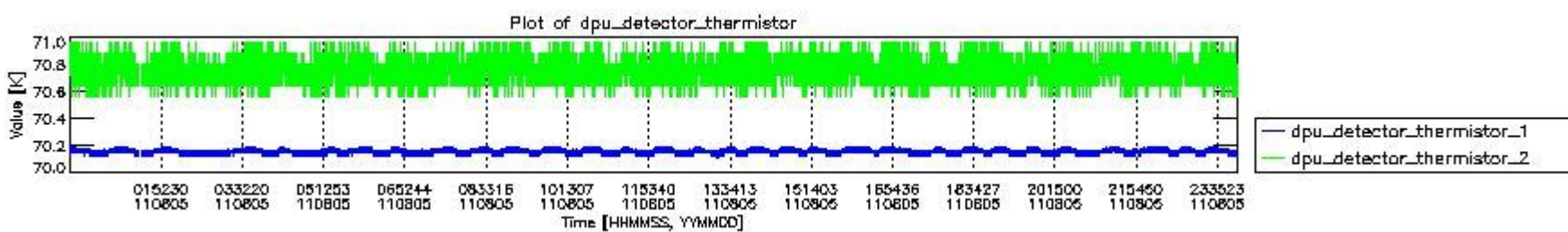
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_0.PNG



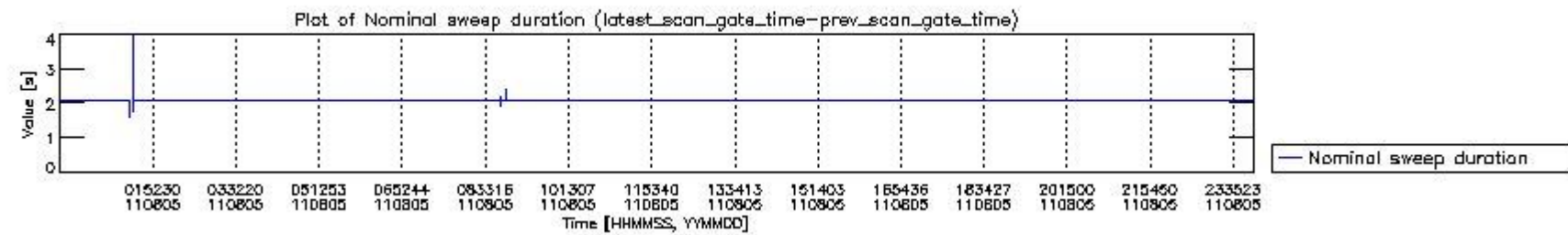
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_1.PNG



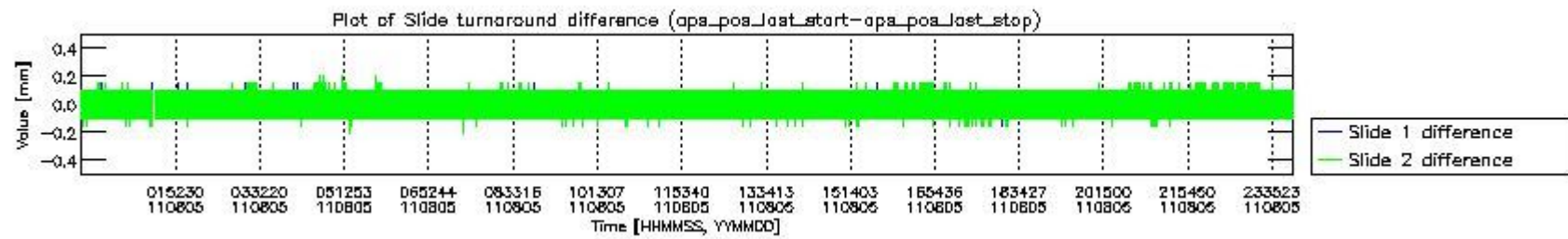
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_2.PNG



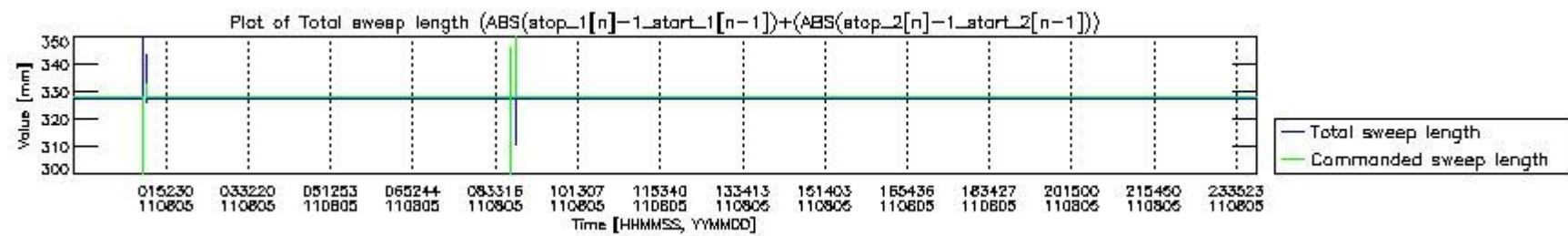
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_3.PNG



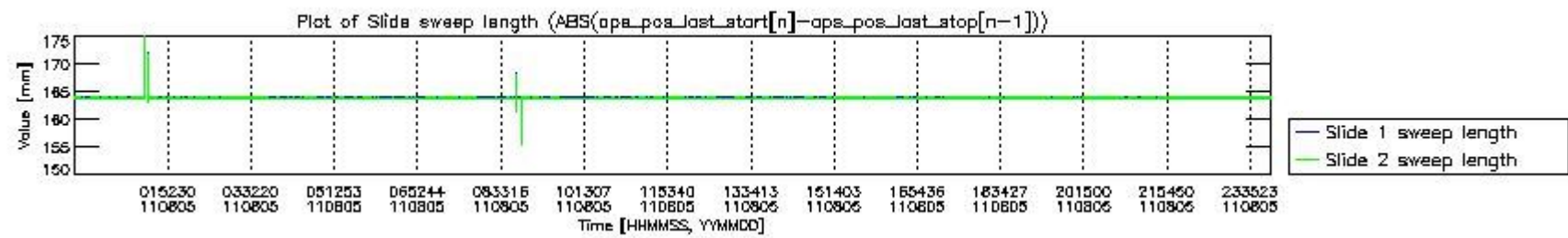
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_4.PNG



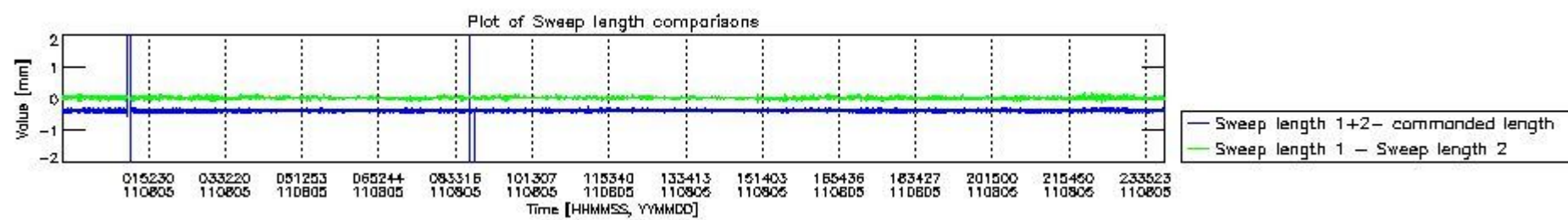
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_5.PNG



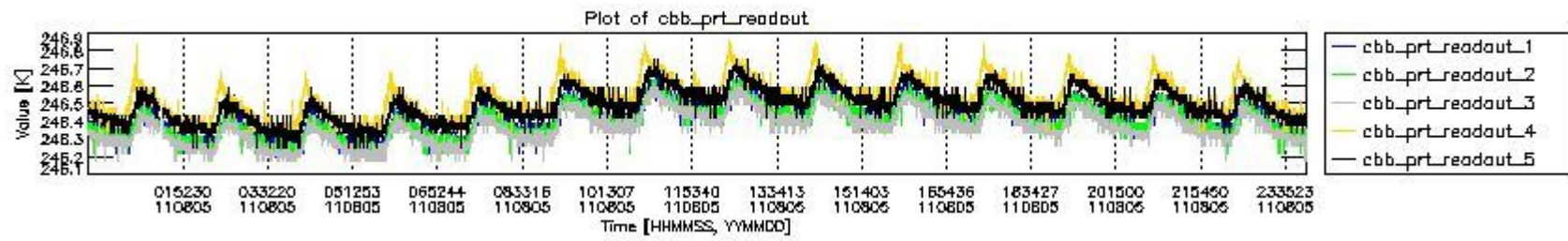
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_6.PNG



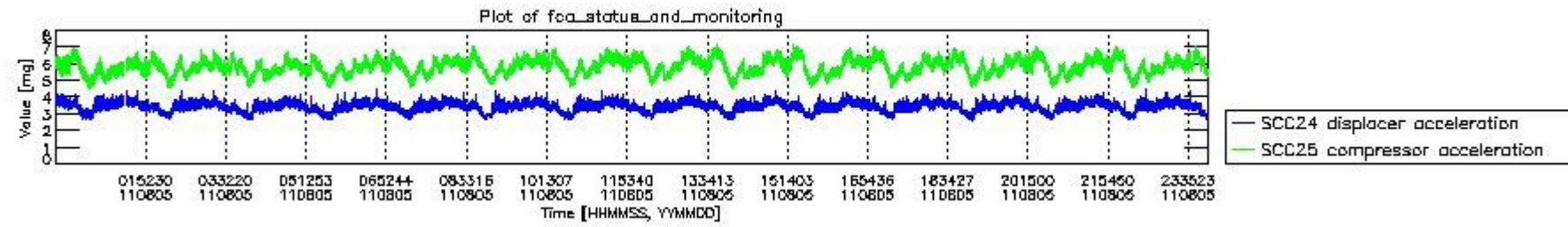
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_9.PNG



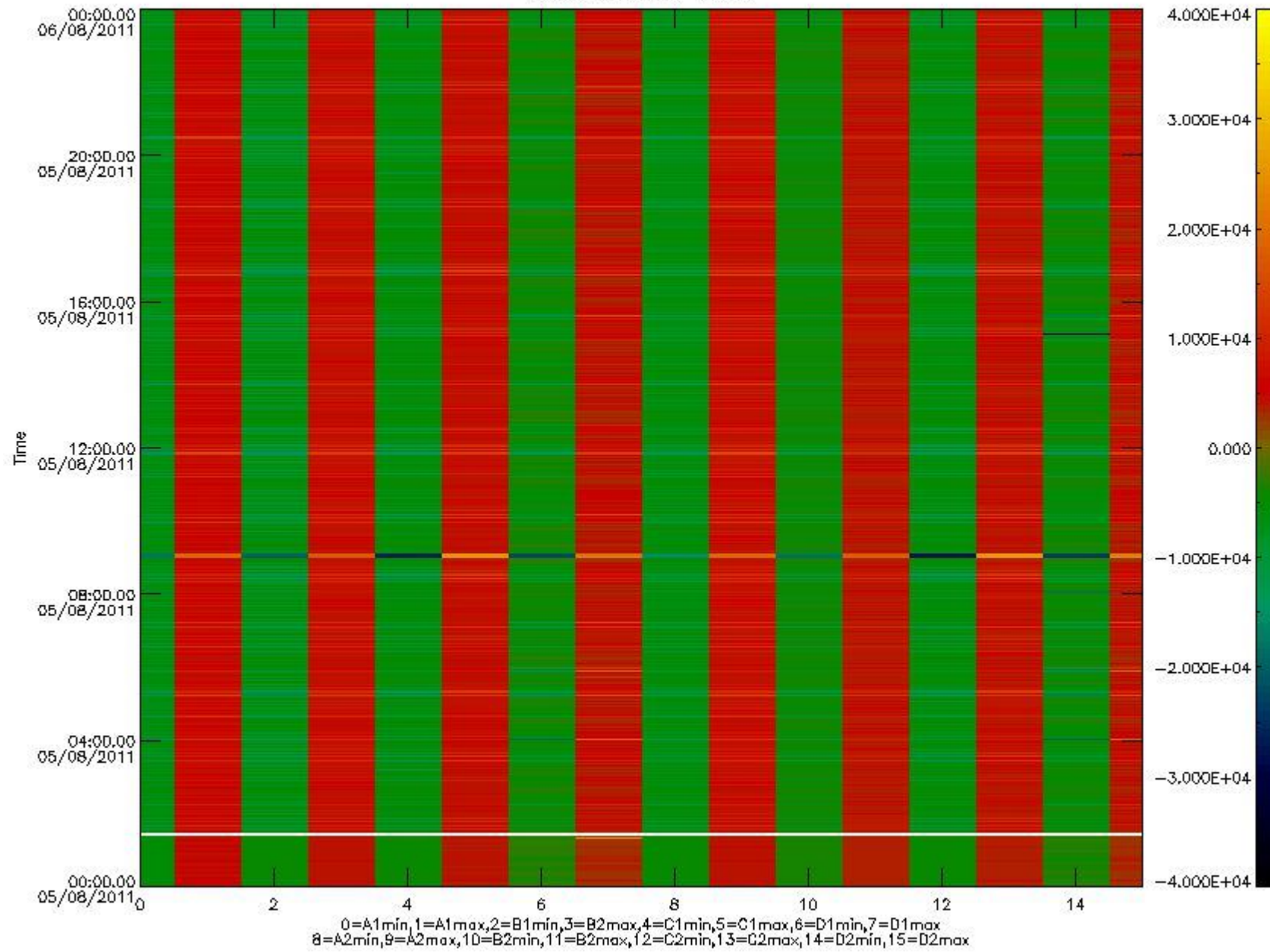
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_10.PNG

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

Channel	Min	Max	ADC
A1	-18762	19823	16bit
B1	-21054	18073	16bit
C1	-26551	26478	16bit
D1	-32768	32767	16bit
A2	-15988	19766	16bit
B2	-19339	18955	16bit
C2	-27628	27241	16bit
D2	-32768	32767	16bit



MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_11.PNG

### 0.3 ADF monitoring

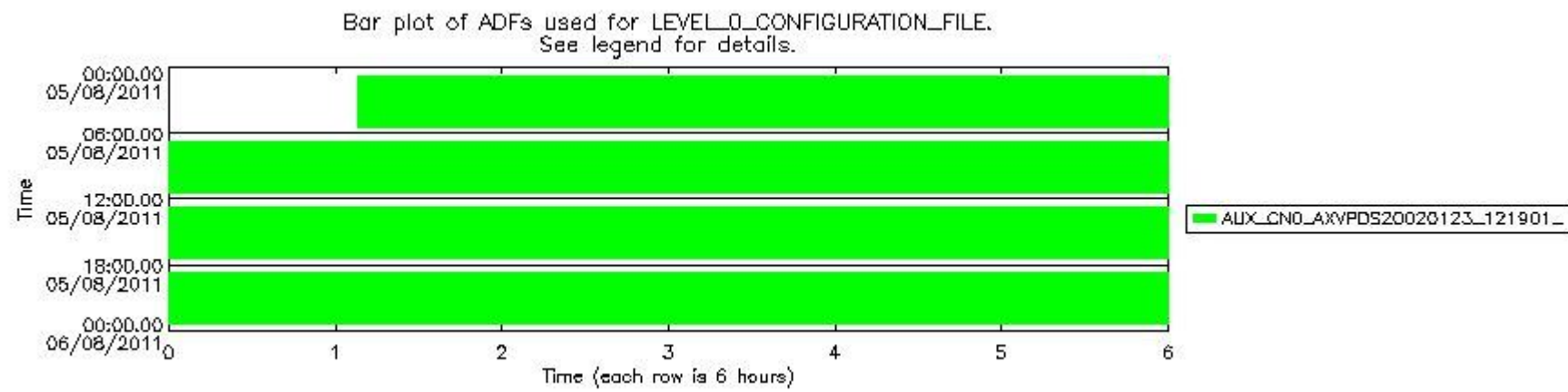
The use of ADFs is shown in two ways:

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.

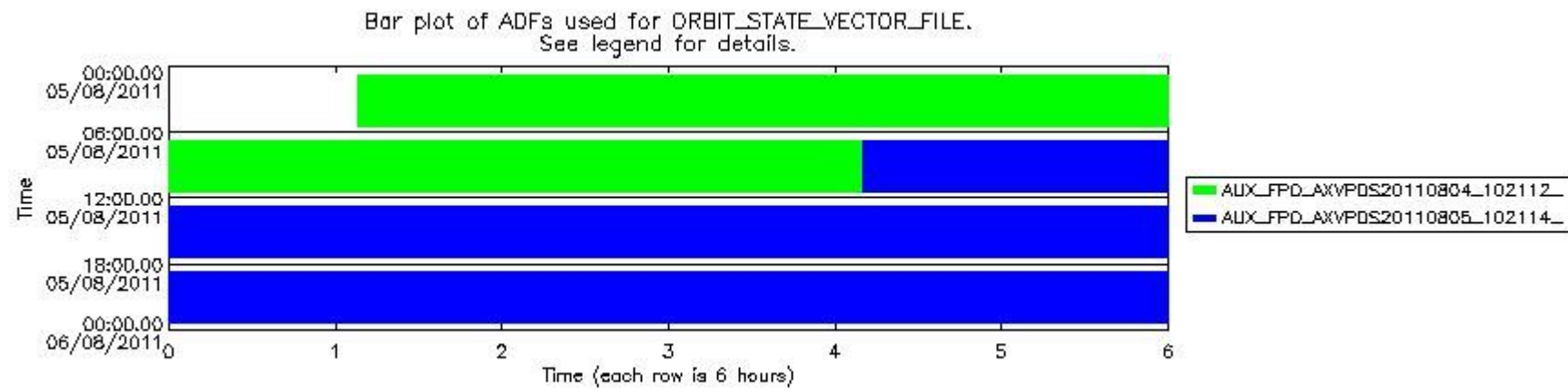
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110804_102112_20110803_191606_20110813_212952
2	AUX_FPO_AXVPDS20110805_102114_20110804_183922_20110814_205308

Number	Product name	#CN0	#FPO
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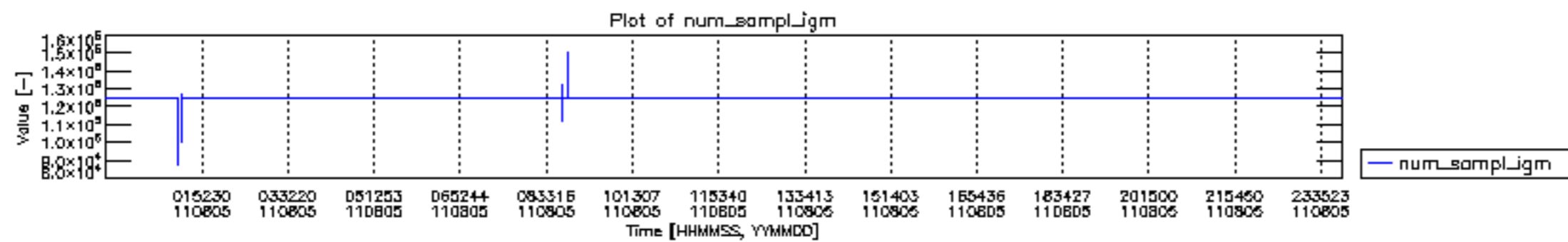
0	MIP_NL__0PNPDE20110805_010755_000103303105_00160_49312_9376.N1	0	1
1	MIP_NL__0PNPDE20110805_012806_000013983105_00161_49313_4212.N1	0	1
2	MIP_NL__0PNPDE20110805_015125_000077193105_00161_49313_4213.N1	0	1
3	MIP_NL__0PNPDE20110805_035931_000061443105_00162_49314_9377.N1	0	1
4	MIP_NL__0PNPDE20110805_054121_000061253105_00163_49315_9378.N1	0	1
5	MIP_NL__0PNPDK20110805_072253_000040053105_00164_49316_5963.N1	0	1
6	MIP_NL__0PNPDK20110805_082904_000061053105_00165_49317_5964.N1	0	1
7	MIP_NL__0PNPDK20110805_101007_000060063105_00166_49318_5965.N1	0	2
8	MIP_NL__0PNPDK20110805_114929_000059453105_00167_49319_5966.N1	0	2
9	MIP_NL__0PNPDK20110805_132803_000059083105_00168_49320_5967.N1	0	2
10	MIP_NL__0PNPDK20110805_150547_000058813105_00169_49321_5968.N1	0	2
11	MIP_NL__0PNPDK20110805_164224_000059603105_00170_49322_5969.N1	0	2
12	MIP_NL__0PNPDK20110805_182047_000059433105_00171_49323_5970.N1	0	2
13	MIP_NL__0PNPDE20110805_195817_000040303105_00172_49324_9379.N1	0	2
14	MIP_NL__0PNPDE20110805_210338_000065263105_00172_49324_9380.N1	0	2
15	MIP_NL__0PNPDE20110805_225123_000061153105_00173_49325_9381.N1	0	2

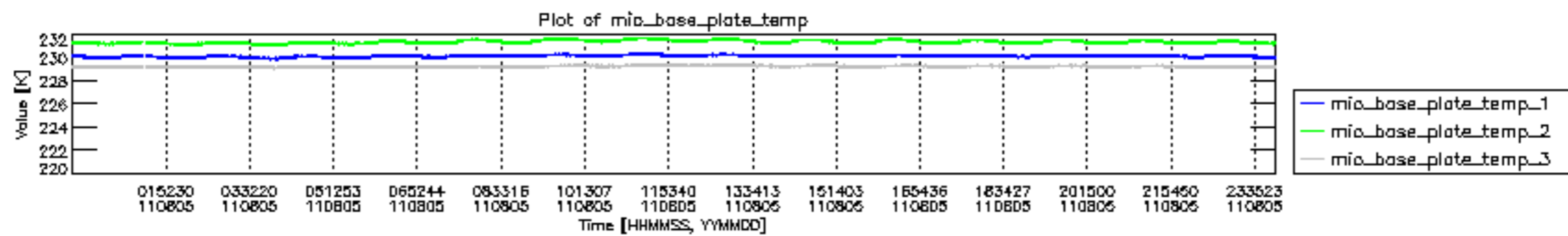


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_12.PNG

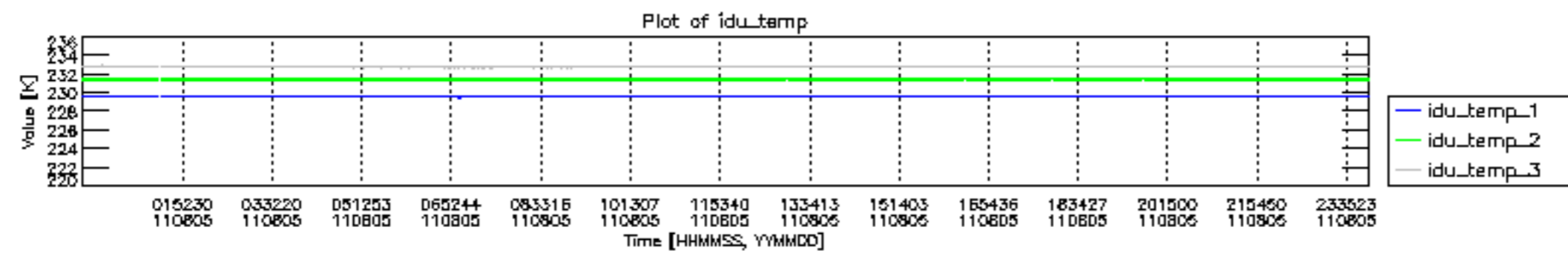


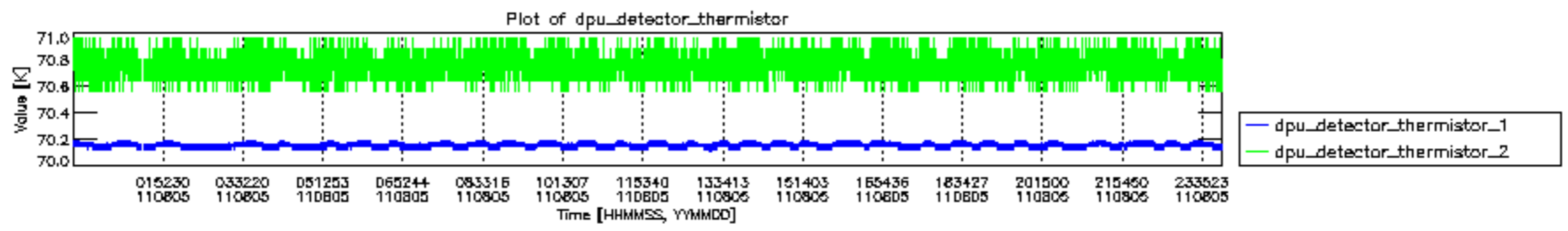
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110805\_13.PNG

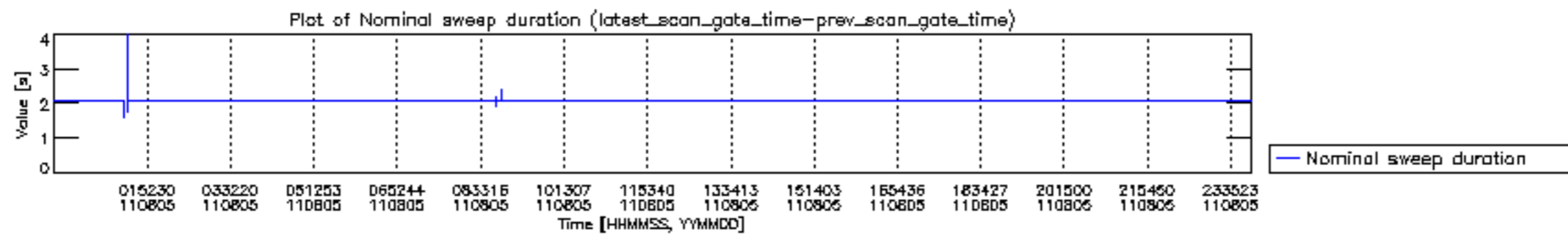


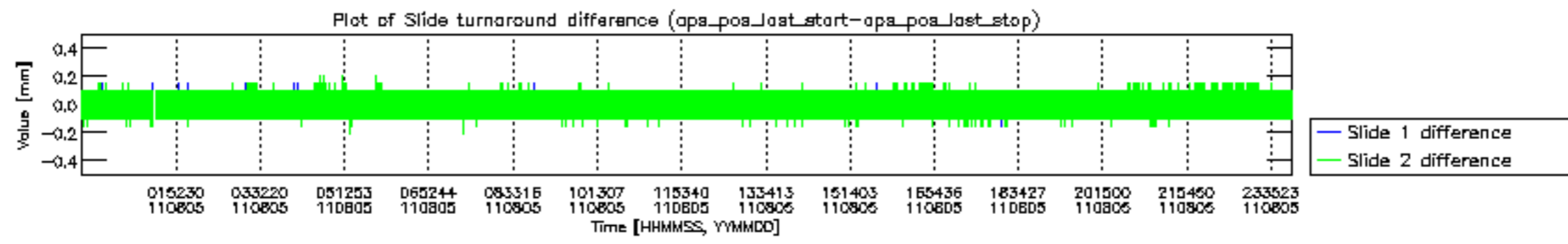


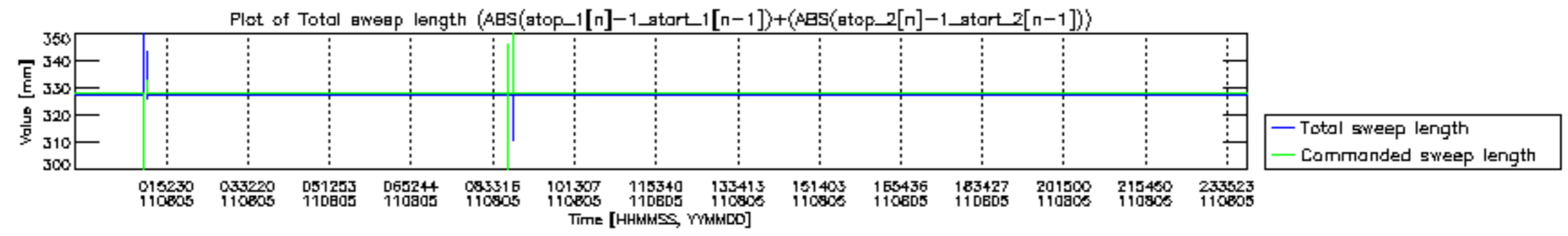




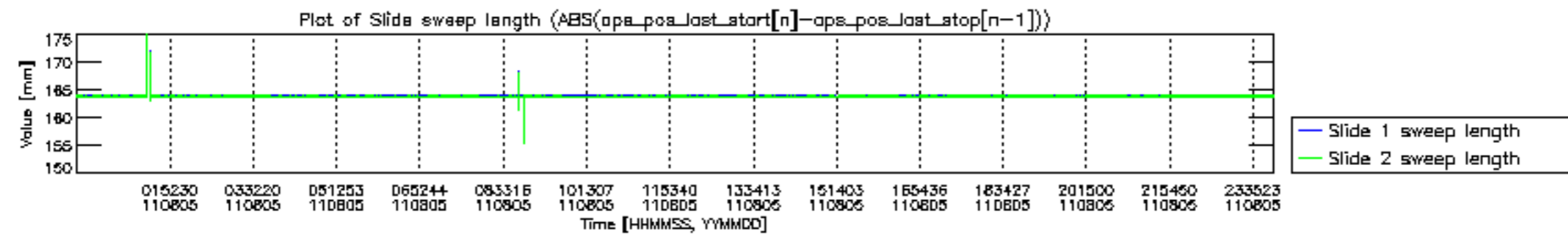


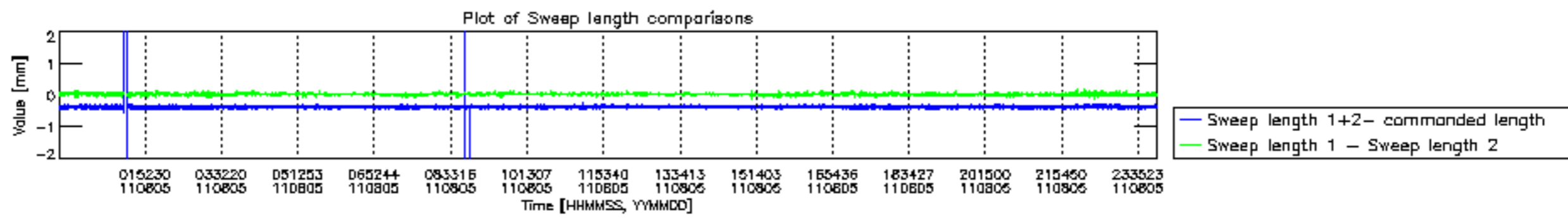


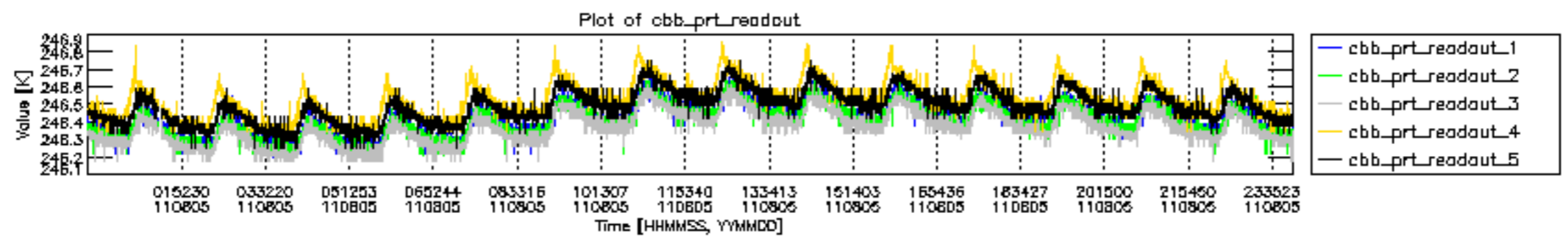


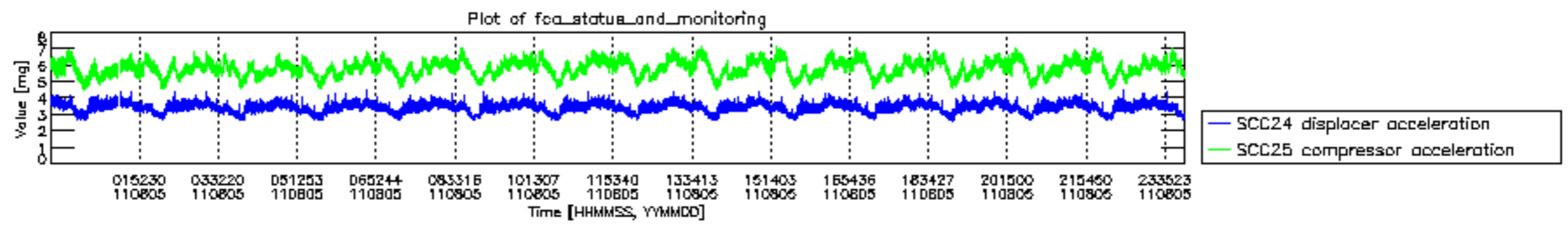












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

