

## 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	30JAN2011 05:23:13
Data source version	KSPT_L0/4504-N
Processing scope for products	25JAN2011 00:00:00 to 26JAN2011 00:00:00
Start time of first product within scope	25JAN2011 00:03:59
Stop time of last product within scope	26JAN2011 01:08:37
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__0PNPDE20110125_000359_000060063098_00418_46553_2785.N1	25JAN2011 00:03:59	25JAN2011 01:44:04	0	0	0	0	0
1	MIP_NL__0PNPDE20110125_014306_000044313098_00419_46554_2786.N1	25JAN2011 01:43:06	25JAN2011 02:56:57	0	0	0	0	0
2	MIP_NL__0PNPDE20110125_025623_000061843098_00420_46555_2787.N1	25JAN2011 02:56:23	25JAN2011 04:39:27	0	0	0	0	0
3	MIP_NL__0PNPDE20110125_043854_000060063098_00421_46556_2788.N1	25JAN2011 04:38:54	25JAN2011 06:19:00	0	0	0	0	0
4	MIP_NL__0PNPDK20110125_061826_000040533098_00422_46557_4111.N1	25JAN2011 06:18:26	25JAN2011 07:25:59	0	0	0	0	0
5	MIP_NL__0PNPDK20110125_072501_000061923098_00423_46558_4112.N1	25JAN2011 07:25:01	25JAN2011 09:08:13	0	0	0	0	0
6	MIP_NL__0PNPDK20110125_090716_000060303098_00424_46559_4113.N1	25JAN2011 09:07:16	25JAN2011 10:47:46	0	0	0	0	0
7	MIP_NL__0PNPDK20110125_104648_000060023098_00425_46560_4114.N1	25JAN2011 10:46:48	25JAN2011 12:26:50	0	0	0	0	0
8	MIP_NL__0PNPDK20110125_122551_000058523098_00426_46561_4115.N1	25JAN2011 12:25:51	25JAN2011 14:03:23	0	0	0	0	0
9	MIP_NL__0PNPDK20110125_140229_000059563098_00427_46562_4116.N1	25JAN2011 14:02:29	25JAN2011 15:41:45	0	0	0	0	0
10	MIP_NL__0PNPDK20110125_154101_000057553098_00428_46563_4117.N1	25JAN2011 15:41:01	25JAN2011 17:16:56	0	0	0	0	0
11	MIP_NL__0PNPDK20110125_171507_000060633098_00429_46564_4118.N1	25JAN2011 17:15:07	25JAN2011 18:56:10	0	0	0	0	0
12	MIP_NL__0PNPDK20110125_185405_000061023098_00430_46565_4119.N1	25JAN2011 18:54:05	25JAN2011 20:35:47	0	0	0	0	0
13	MIP_NL__0PNPDE20110125_203409_000044713098_00431_46566_2789.N1	25JAN2011 20:34:09	25JAN2011 21:48:39	0	0	0	0	0
14	MIP_NL__0PNPDE20110125_214732_000061483098_00431_46566_2790.N1	25JAN2011 21:47:32	25JAN2011 23:30:01	0	0	0	0	0
15	MIP_NL__0PNPDE20110125_232856_000059813099_00001_46567_2791.N1	25JAN2011 23:28:56	26JAN2011 01:08:37	0	0	0	0	0

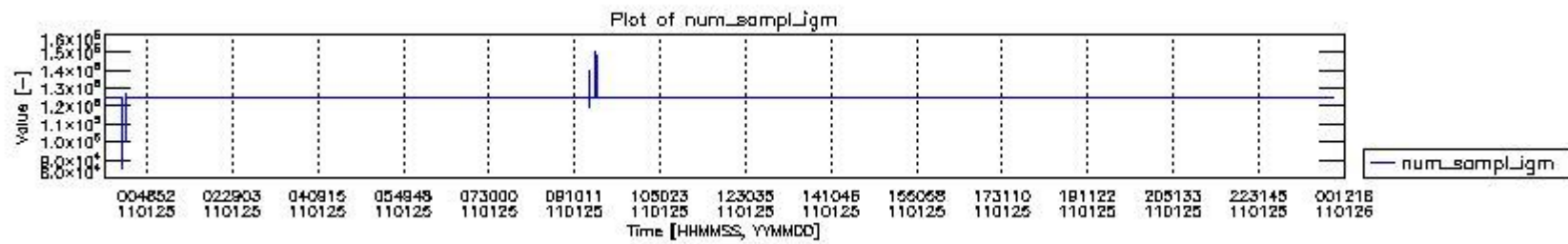
## 0.2 Instrument Operational Performance Parameters

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.

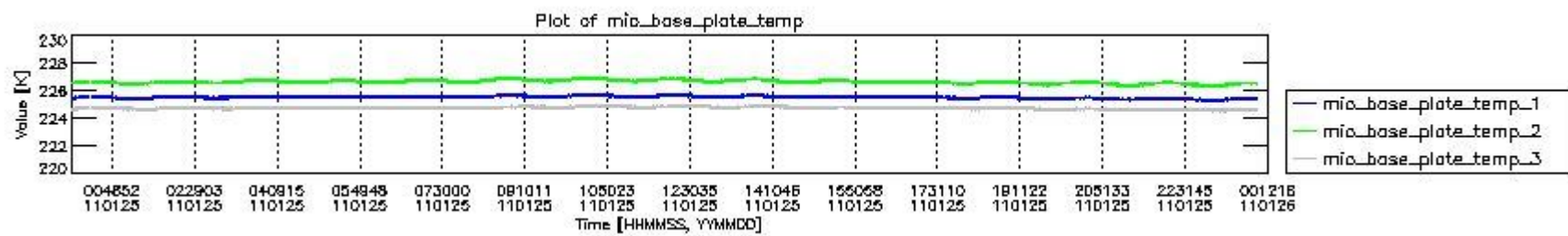
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
85716	1	0.0024053495
95192	1	0.0024053495

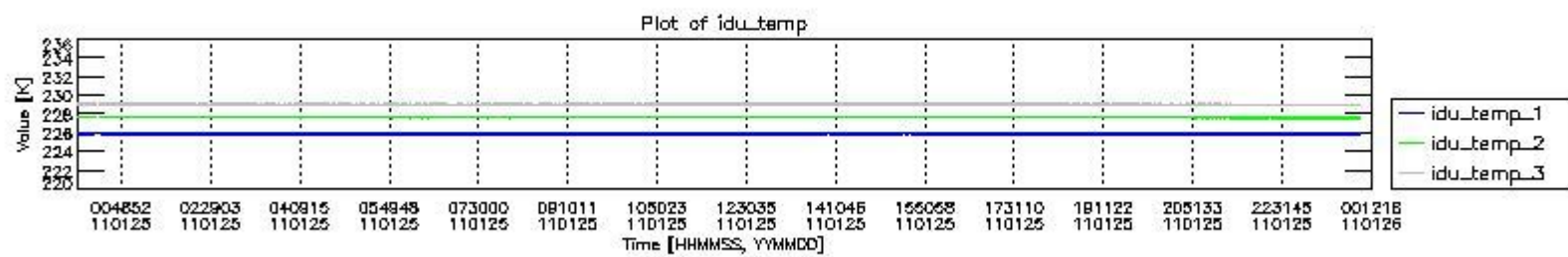
100483	1	0.0024053495
115324	1	0.0024053495
119502	1	0.0024053495
124800	38625	92.906624
124803	2937	7.0645115
125735	1	0.0024053495
126670	1	0.0024053495
127382	1	0.0024053495
134336	1	0.0024053495
139634	1	0.0024053495
147514	1	0.0024053495
150096	1	0.0024053495



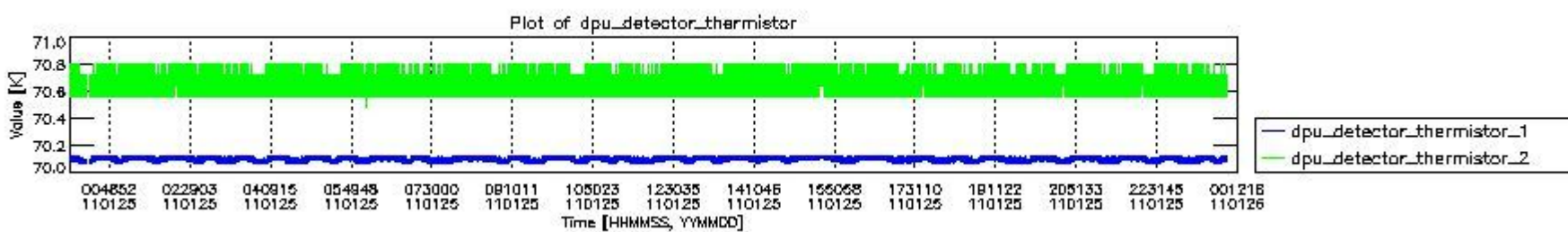
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_0.PNG



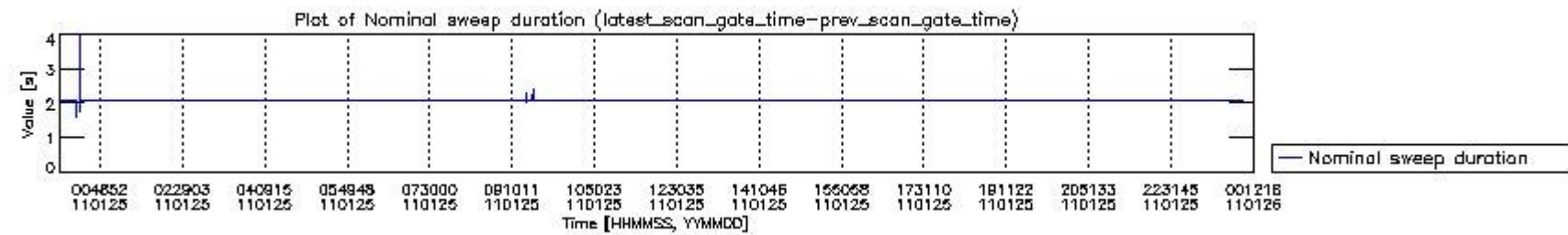
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_1.PNG



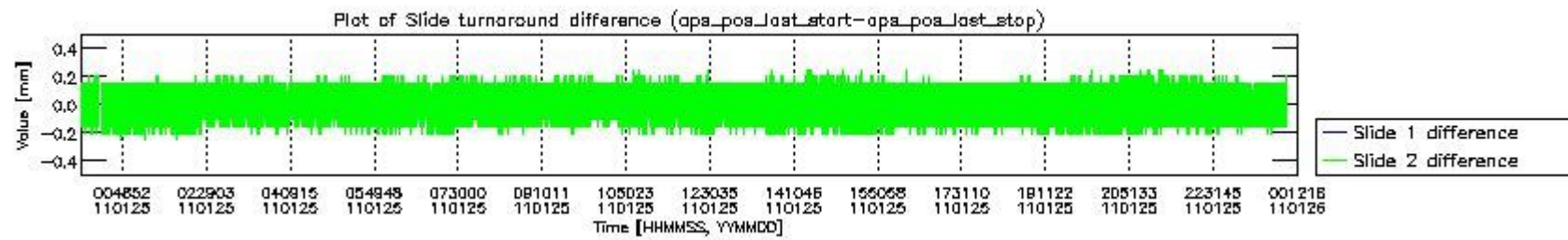
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_2.PNG



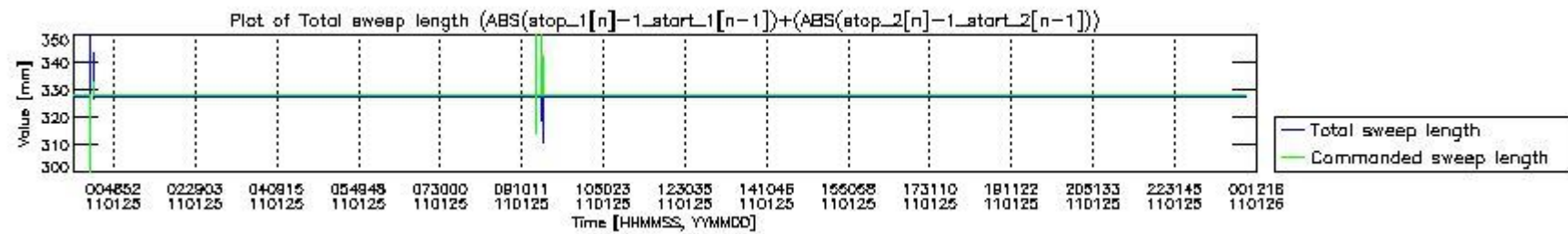
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_3.PNG



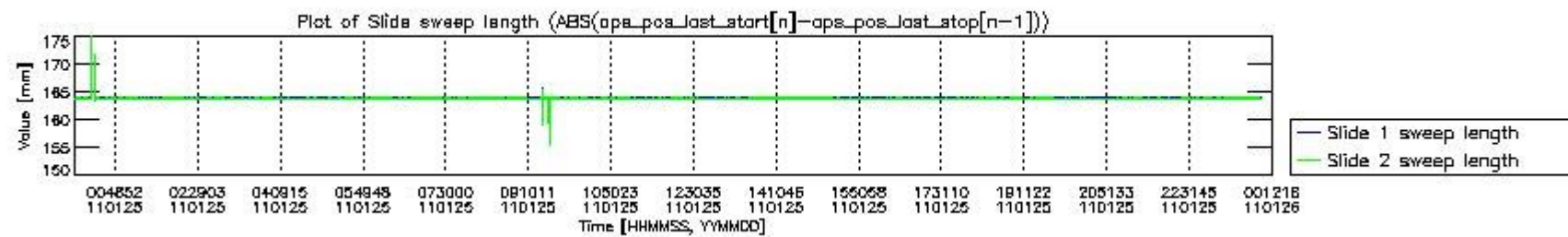
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_4.PNG



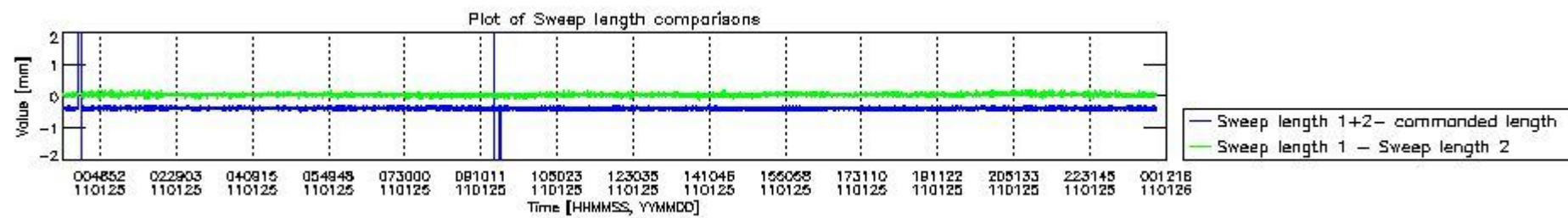
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_5.PNG



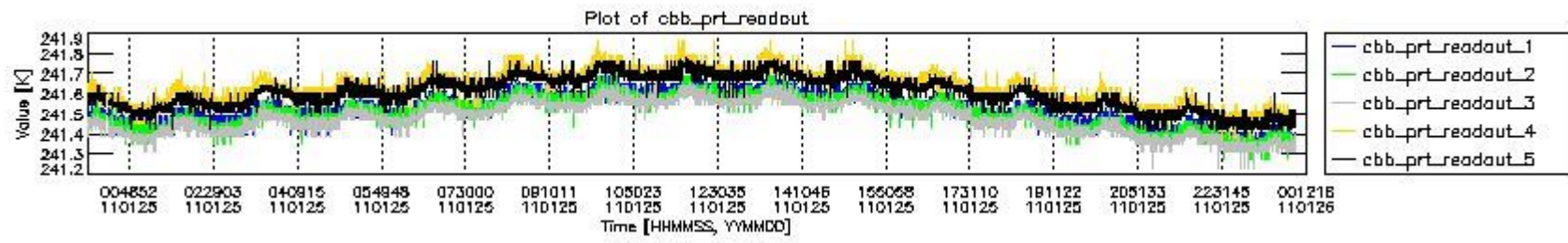
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_6.PNG



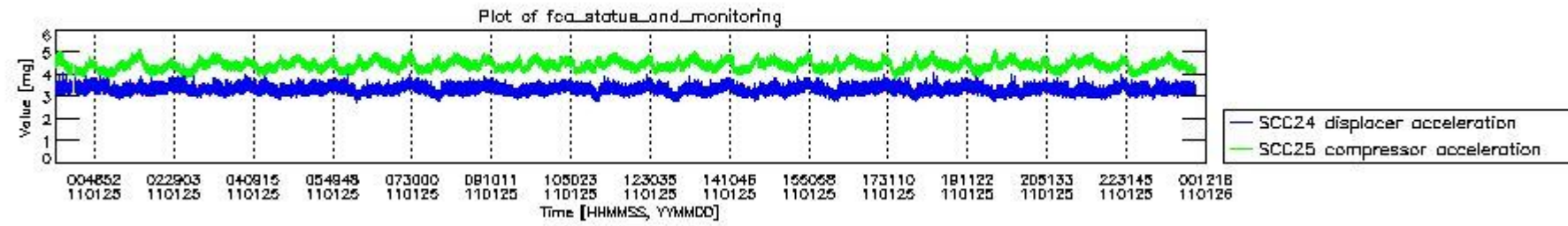
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_9.PNG



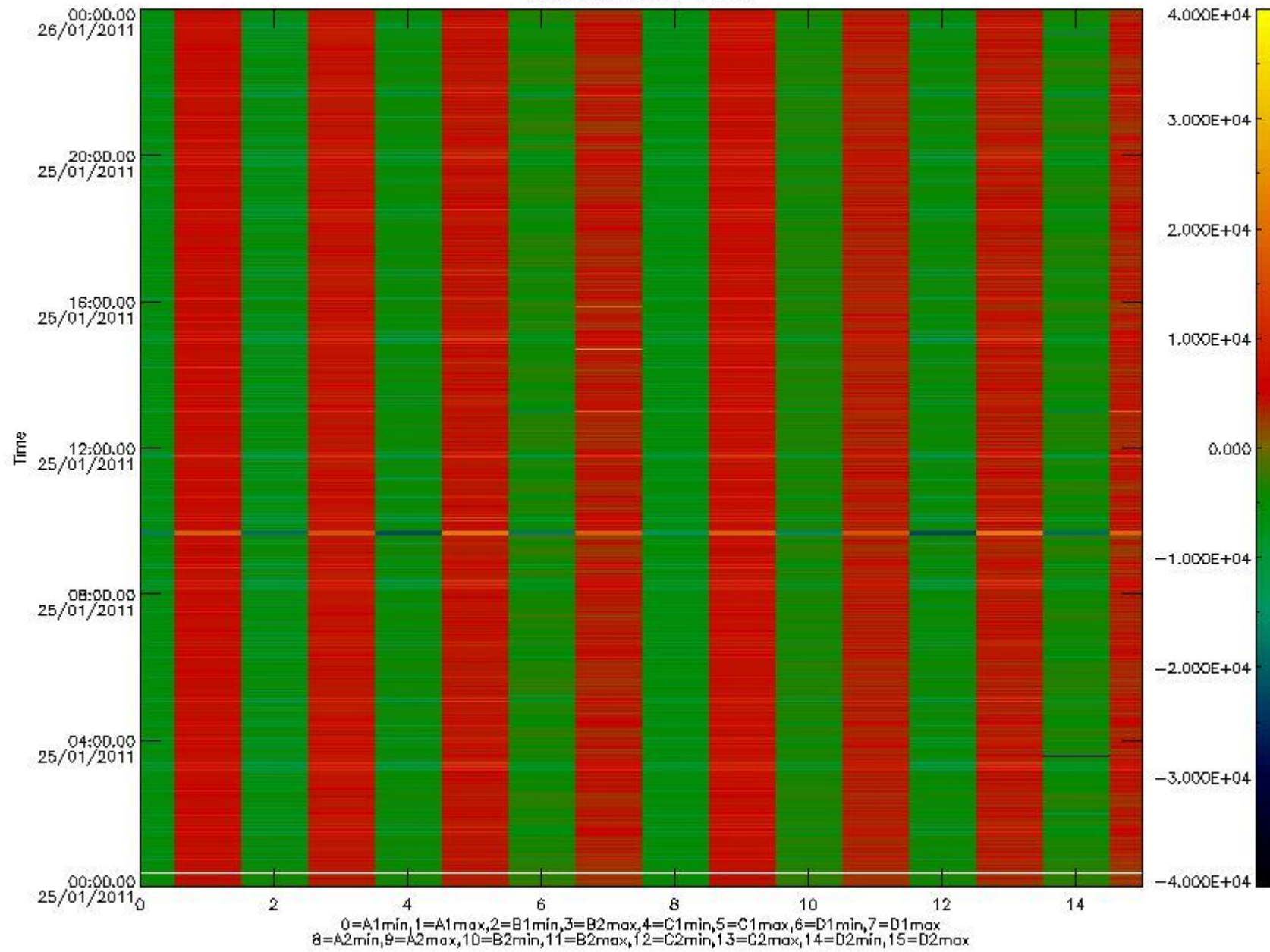
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_10.PNG

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

Channel	Min	Max	ADC
A1	-17558	18583	16bit
B1	-18918	16458	16bit
C1	-23706	29719	16bit
D1	-22704	32767	16bit
A2	-15231	18690	16bit
B2	-16952	16679	16bit
C2	-23013	25323	16bit
D2	-32768	27821	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_11.PNG

### 0.3 ADF monitoring

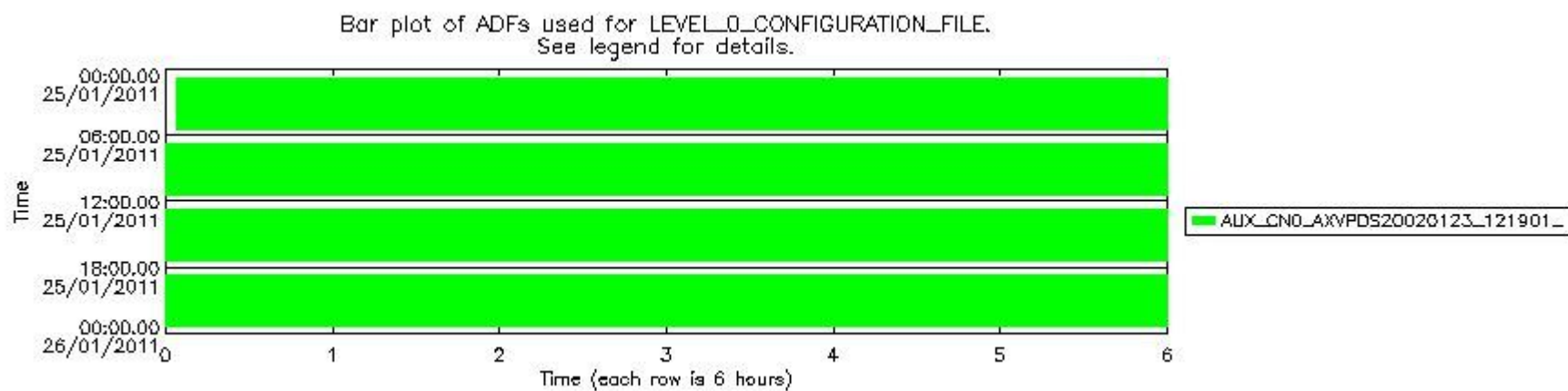
The use of ADFs is shown in two ways:

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.

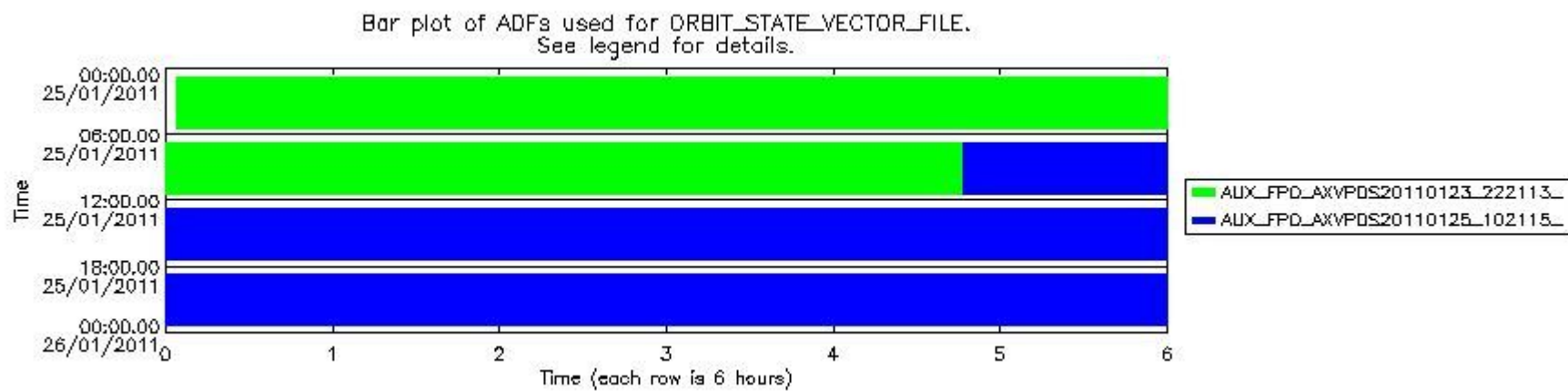
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110123_222113_20110123_195256_20110202_202634
2	AUX_FPO_AXVPDS20110125_102115_20110124_191612_20110203_213004

Number	Product name	#CN0	#FPO
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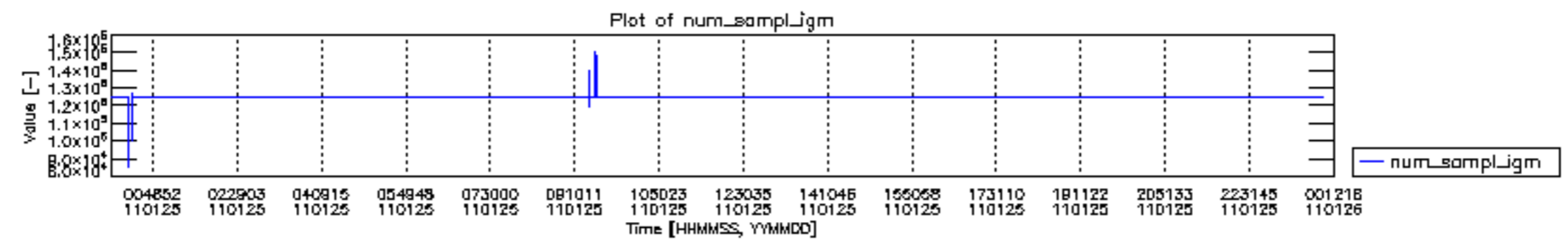
0	MIP_NL__0PNPDE20110125_000359_000060063098_00418_46553_2785.N1	0	1
1	MIP_NL__0PNPDE20110125_014306_000044313098_00419_46554_2786.N1	0	1
2	MIP_NL__0PNPDE20110125_025623_000061843098_00420_46555_2787.N1	0	1
3	MIP_NL__0PNPDE20110125_043854_000060063098_00421_46556_2788.N1	0	1
4	MIP_NL__0PNPDK20110125_061826_000040533098_00422_46557_4111.N1	0	1
5	MIP_NL__0PNPDK20110125_072501_000061923098_00423_46558_4112.N1	0	1
6	MIP_NL__0PNPDK20110125_090716_000060303098_00424_46559_4113.N1	0	1
7	MIP_NL__0PNPDK20110125_104648_000060023098_00425_46560_4114.N1	0	2
8	MIP_NL__0PNPDK20110125_122551_000058523098_00426_46561_4115.N1	0	2
9	MIP_NL__0PNPDK20110125_140229_000059563098_00427_46562_4116.N1	0	2
10	MIP_NL__0PNPDK20110125_154101_000057553098_00428_46563_4117.N1	0	2
11	MIP_NL__0PNPDK20110125_171507_000060633098_00429_46564_4118.N1	0	2
12	MIP_NL__0PNPDK20110125_185405_000061023098_00430_46565_4119.N1	0	2
13	MIP_NL__0PNPDE20110125_203409_000044713098_00431_46566_2789.N1	0	2
14	MIP_NL__0PNPDE20110125_214732_000061483098_00431_46566_2790.N1	0	2
15	MIP_NL__0PNPDE20110125_232856_000059813099_00001_46567_2791.N1	0	2

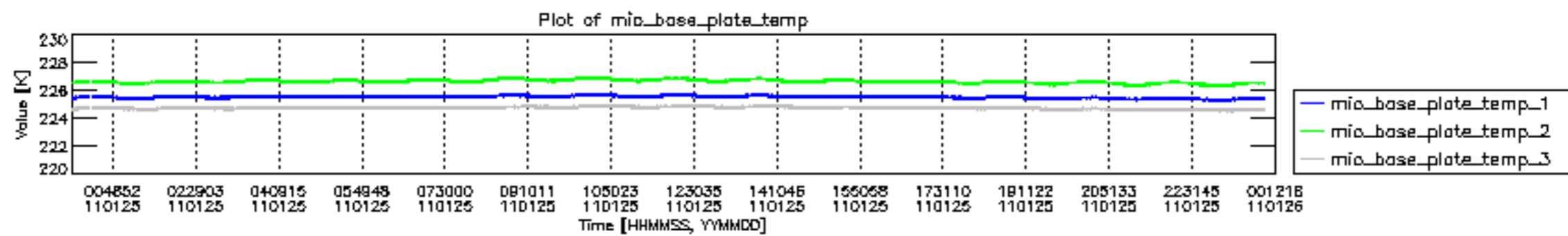


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_12.PNG

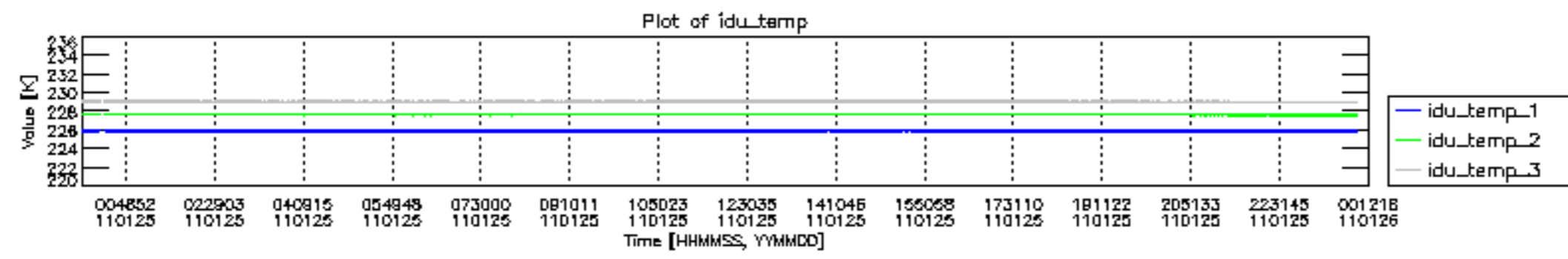


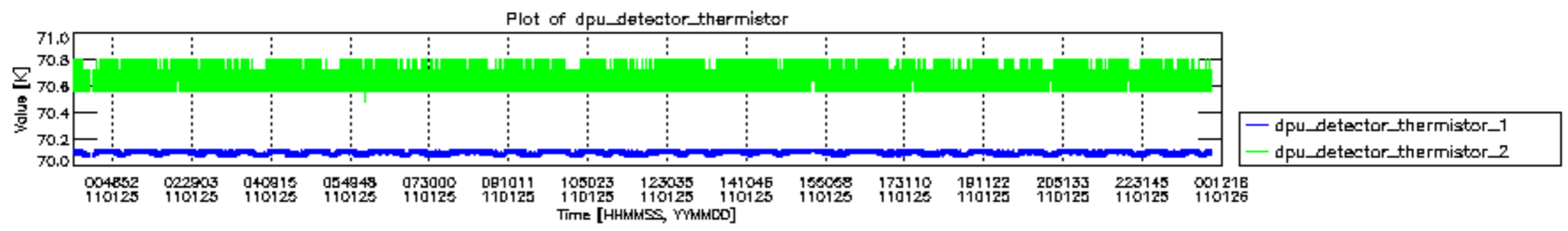
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110125\_13.PNG

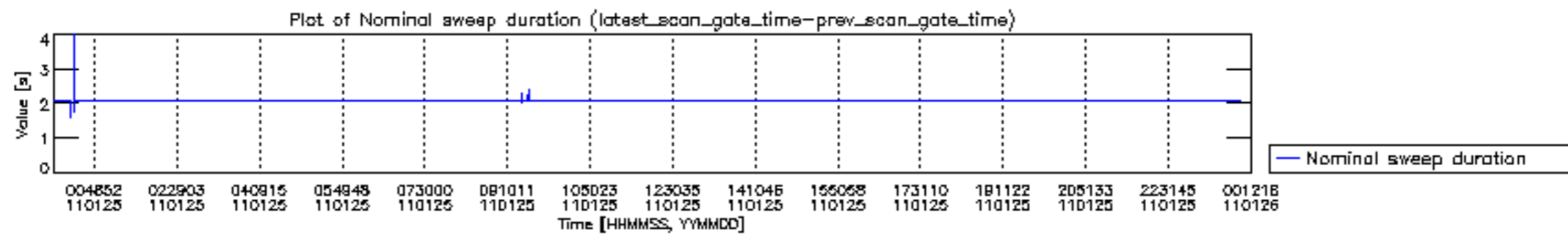


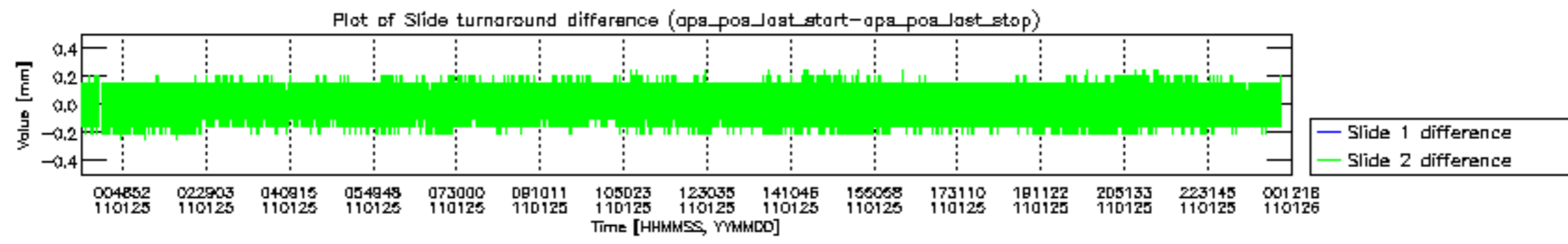


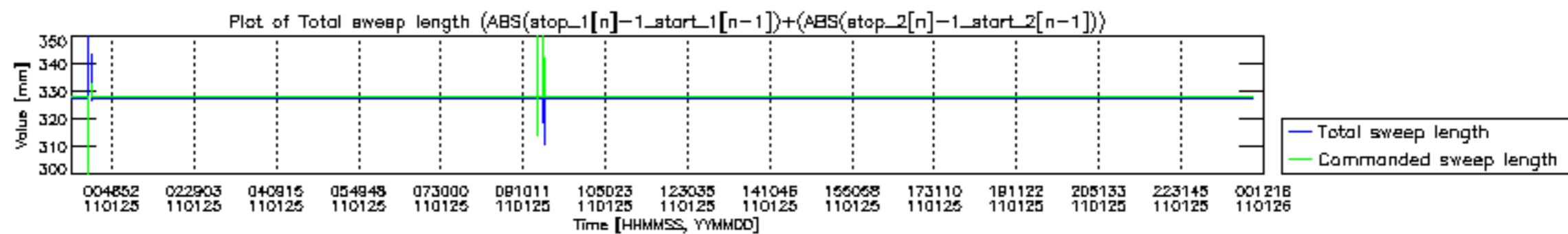




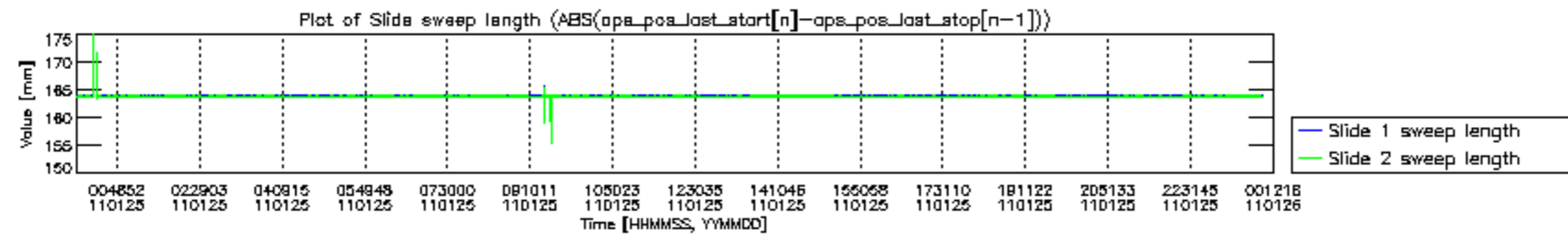


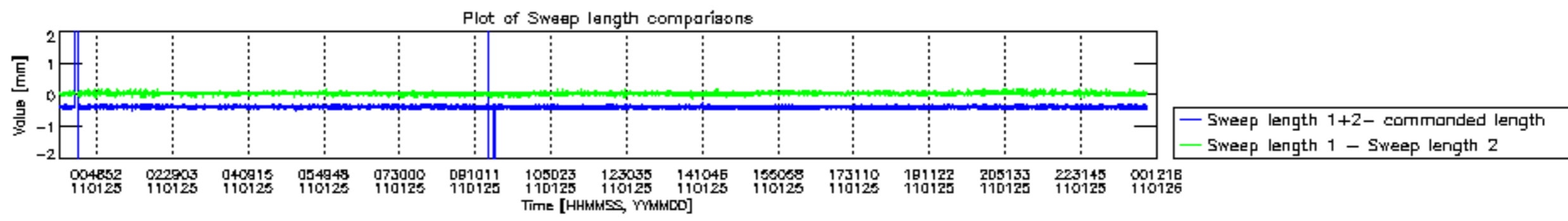


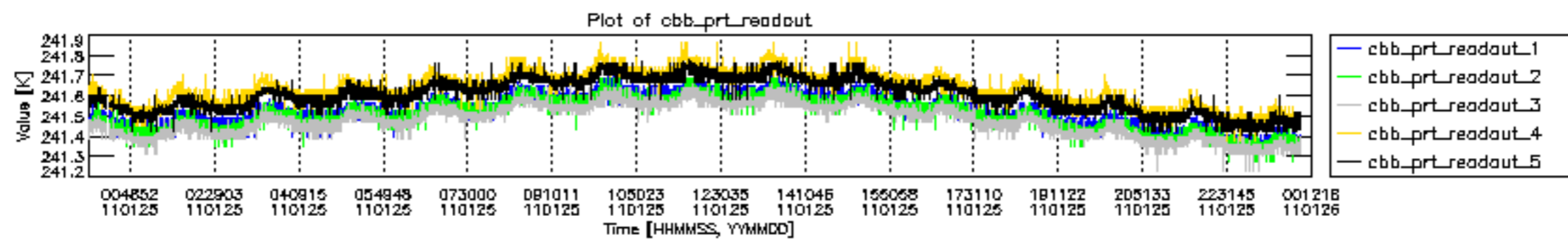


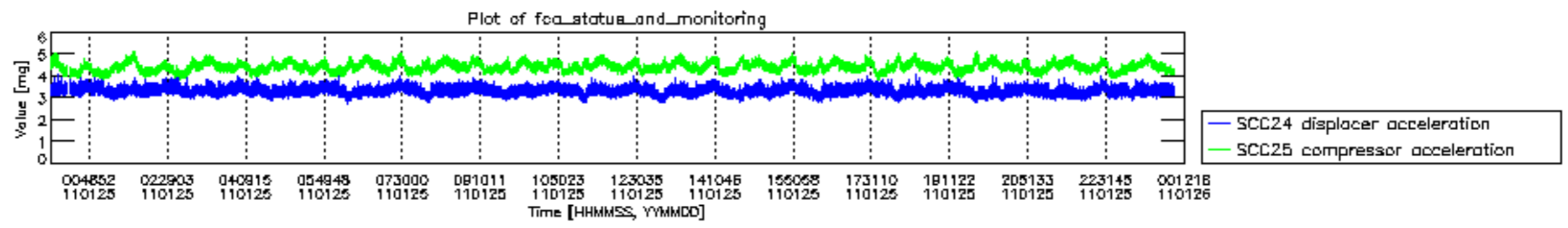












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

