

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	30JAN2012 05:24:47
Data source version	KSPT_L0/4504-N
Processing scope for products	25JAN2012 00:00:00 to 26JAN2012 00:00:00
Start time of first product within scope	25JAN2012 00:23:19
Stop time of last product within scope	26JAN2012 01:28:41
Total number of level 0 products	11
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.

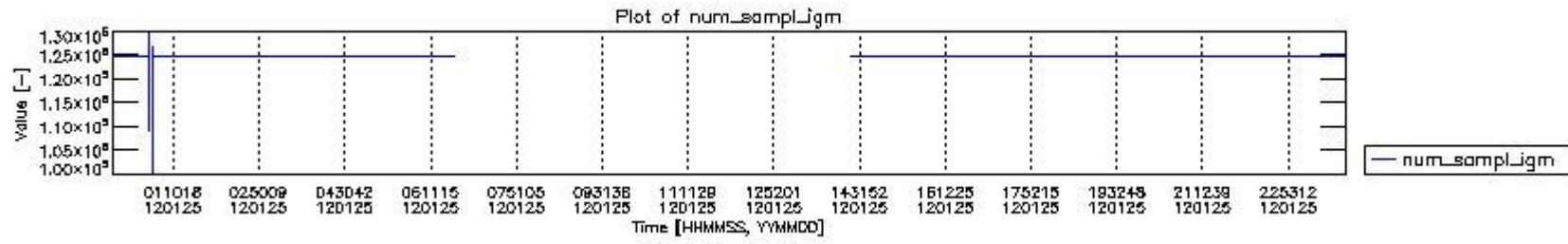
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120125_002319_000059353111_00059_51797_5413.N1	25JAN2012 00:23:19	25JAN2012 02:02:14	0	0	0	0	0
1	MIP_NL__0PNPDE20120125_020054_000045443111_00060_51798_5414.N1	25JAN2012 02:00:54	25JAN2012 03:16:38	0	0	0	0	0
2	MIP_NL__0PNPDE20120125_031558_000061713111_00061_51799_5415.N1	25JAN2012 03:15:58	25JAN2012 04:58:49	0	0	0	0	0
3	MIP_NL__0PNPDE20120125_045808_000060233111_00062_51800_5416.N1	25JAN2012 04:58:08	25JAN2012 06:38:30	0	0	0	0	0
4	MIP_NL__0PNPDK20120125_142049_000060963111_00068_51806_8360.N1	25JAN2012 14:20:49	25JAN2012 16:02:25	0	0	0	0	0
5	MIP_NL__0PNPDK20120125_160143_000058183111_00069_51807_8361.N1	25JAN2012 16:01:43	25JAN2012 17:38:41	0	0	0	0	0
6	MIP_NL__0PNPDK20120125_173722_000059913111_00070_51808_8362.N1	25JAN2012 17:37:22	25JAN2012 19:17:13	0	0	0	0	0
7	MIP_NL__0PNPDK20120125_191242_000062383111_00071_51809_8363.N1	25JAN2012 19:12:42	25JAN2012 20:56:39	0	0	0	0	0
8	MIP_NL__0PNPDE20120125_205256_000044893111_00072_51810_5417.N1	25JAN2012 20:52:56	25JAN2012 22:07:45	0	0	0	0	0
9	MIP_NL__0PNPDE20120125_220628_000061233111_00072_51810_5418.N1	25JAN2012 22:06:28	25JAN2012 23:48:31	0	0	0	0	0
10	MIP_NL__0PNPDE20120125_234709_000060923111_00073_51811_5419.N1	25JAN2012 23:47:09	26JAN2012 01:28:41	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

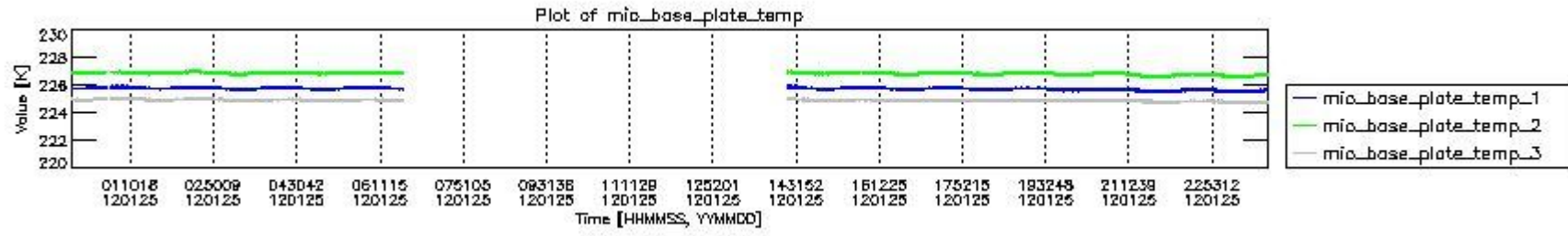
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

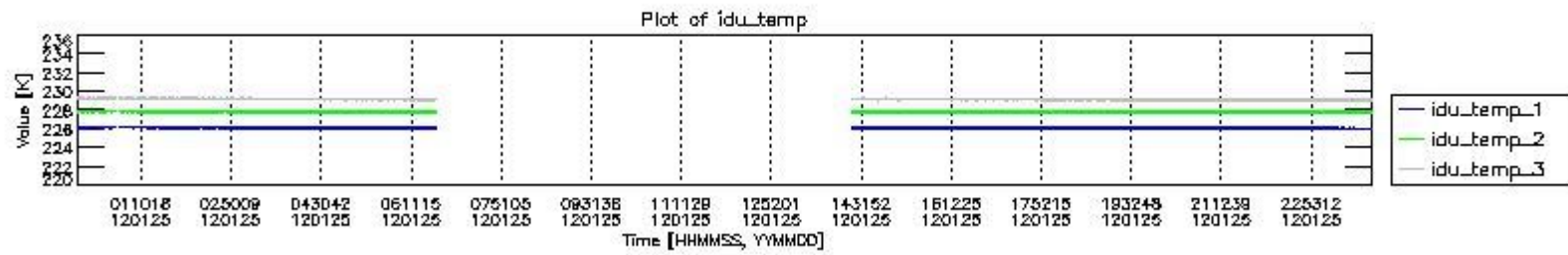
Number of igm samples	Count [#]	Count [%]
100557	1	0.0035374438
109317	1	0.0035374438
113966	1	0.0035374438
124800	26255	92.875588
124803	2008	7.1031872
125809	1	0.0035374438
126818	1	0.0035374438



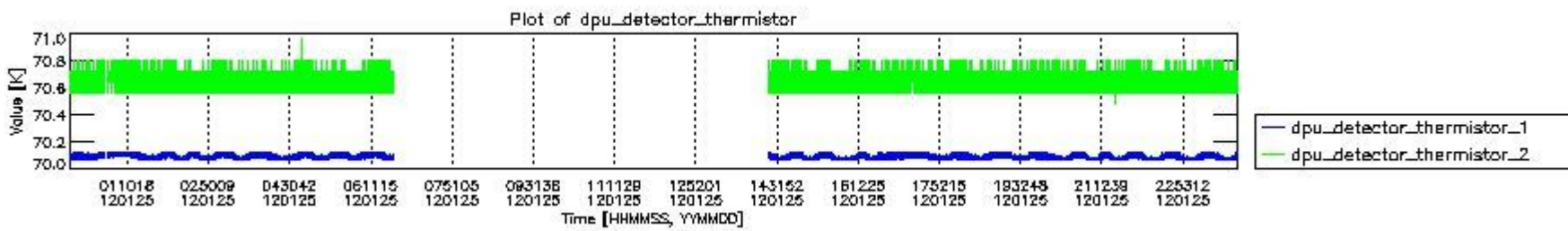
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_0.PNG



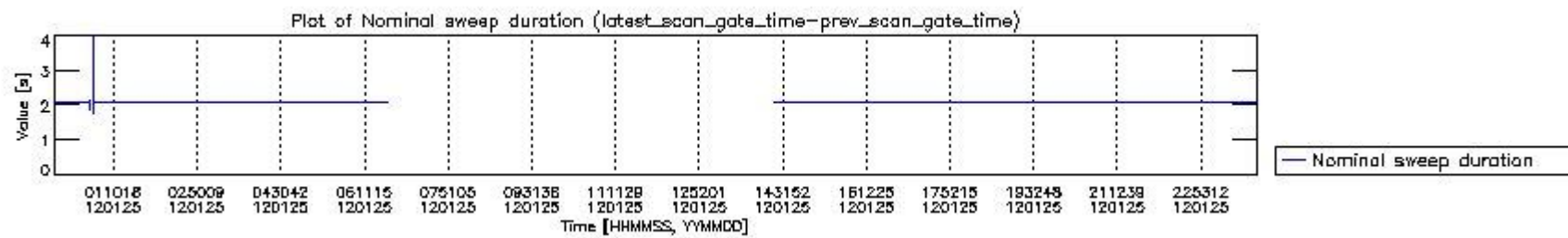
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_1.PNG



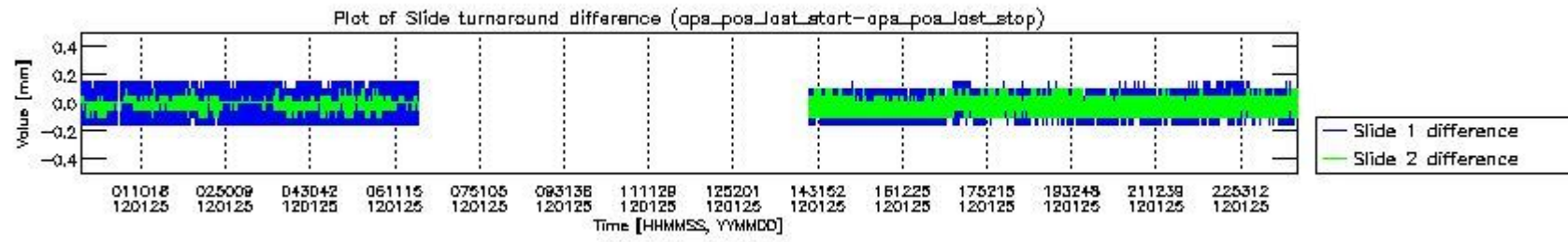
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_2.PNG



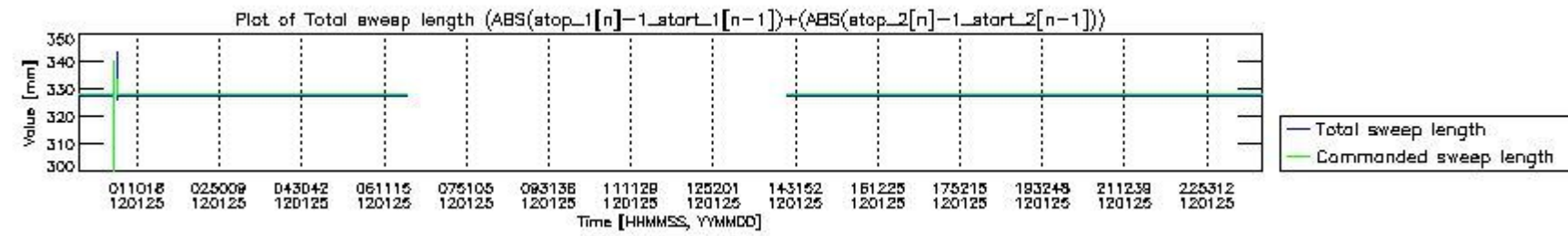
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_3.PNG



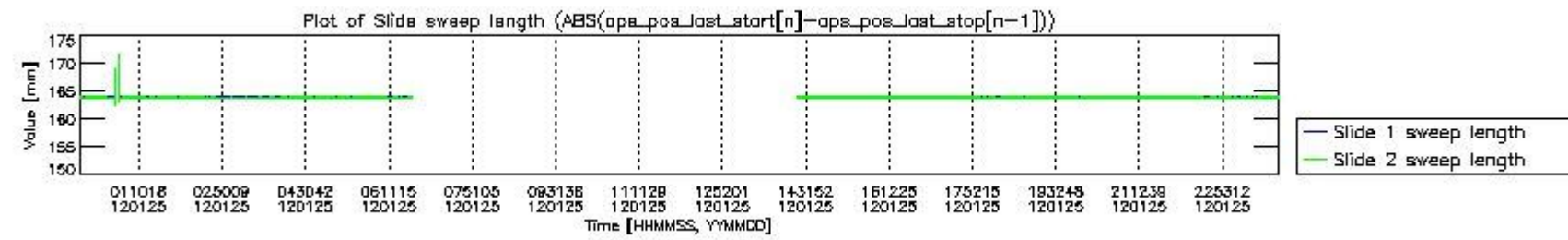
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_4.PNG



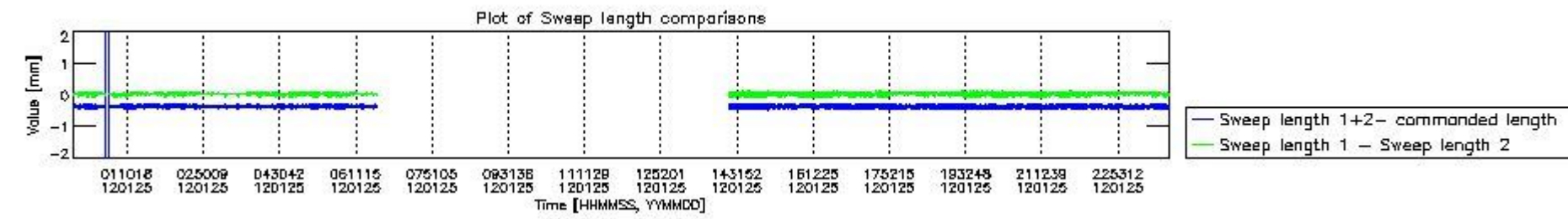
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_5.PNG



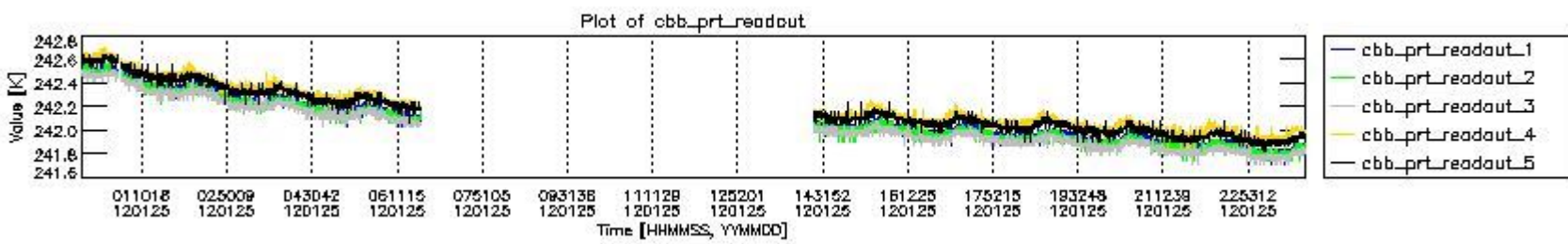
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_6.PNG



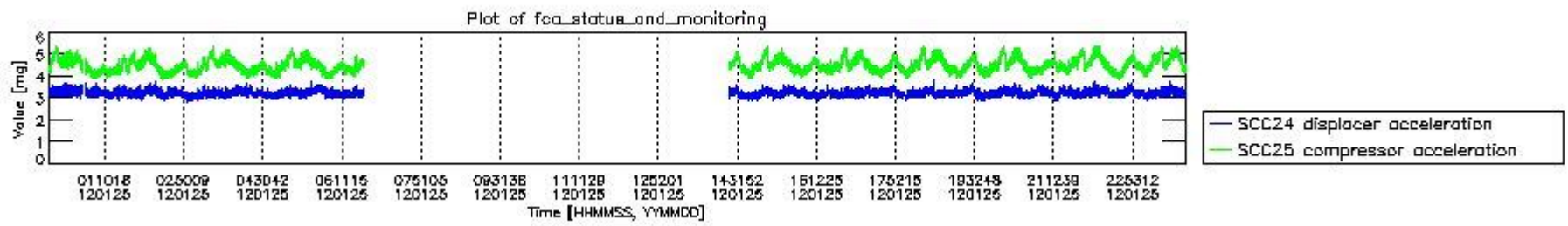
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_9.PNG



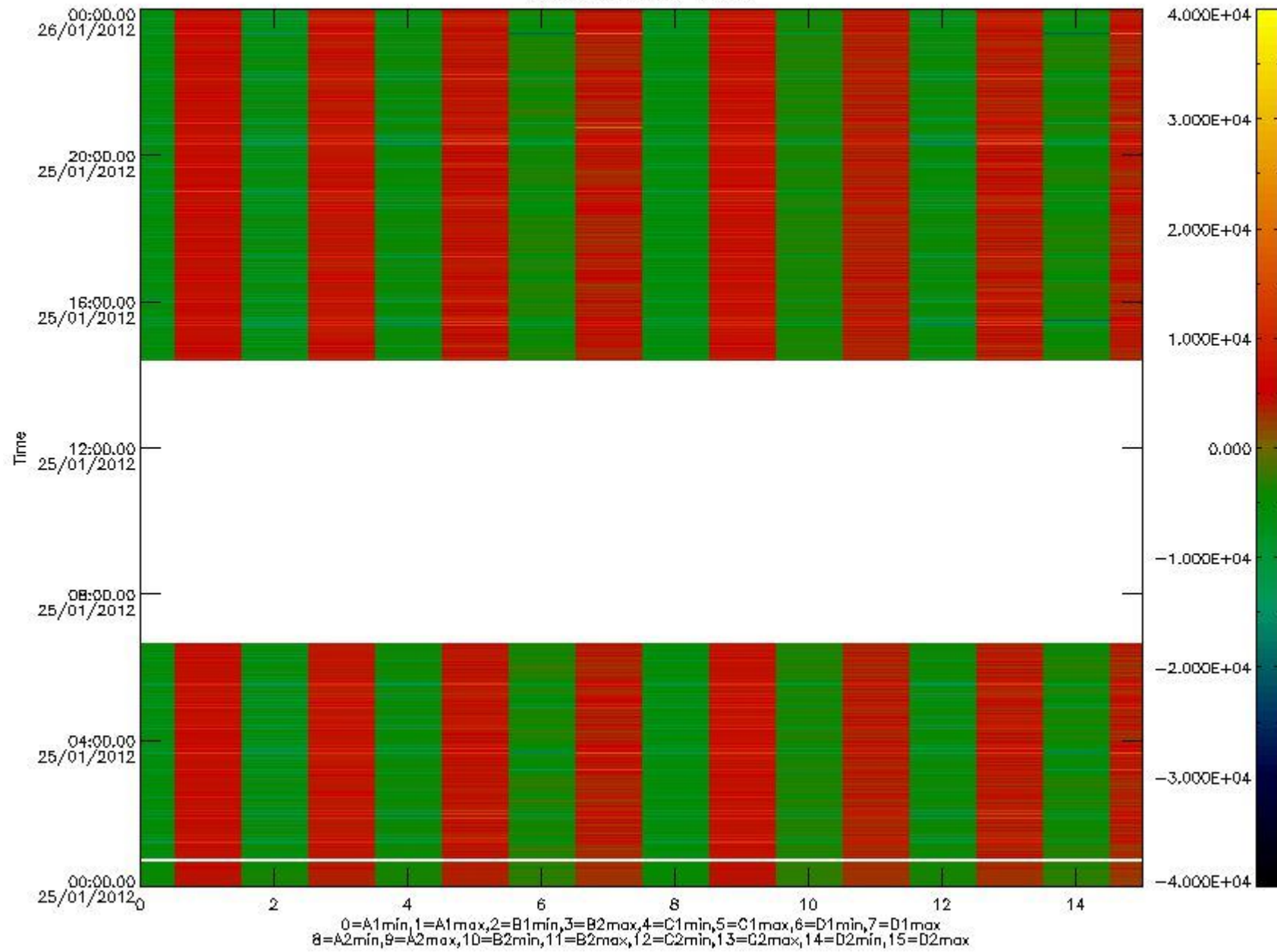
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_10.PNG

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

Channel	Min	Max	ADC
A1	-16166	16857	16bit
B1	-16355	14572	16bit
C1	-24728	17347	16bit
D1	-26212	31992	16bit
A2	-14201	17189	16bit
B2	-13221	13078	16bit
C2	-17619	24586	16bit
D2	-32768	31413	16bit



MIPNL0P\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_11.PNG

### 0.3 ADF monitoring

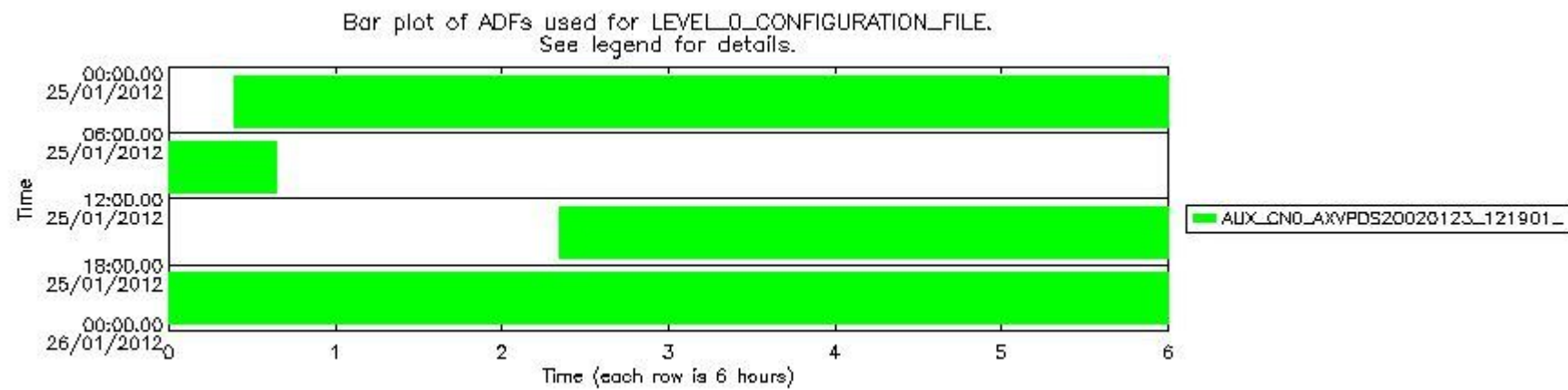
The use of ADFs is shown in two ways:

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.

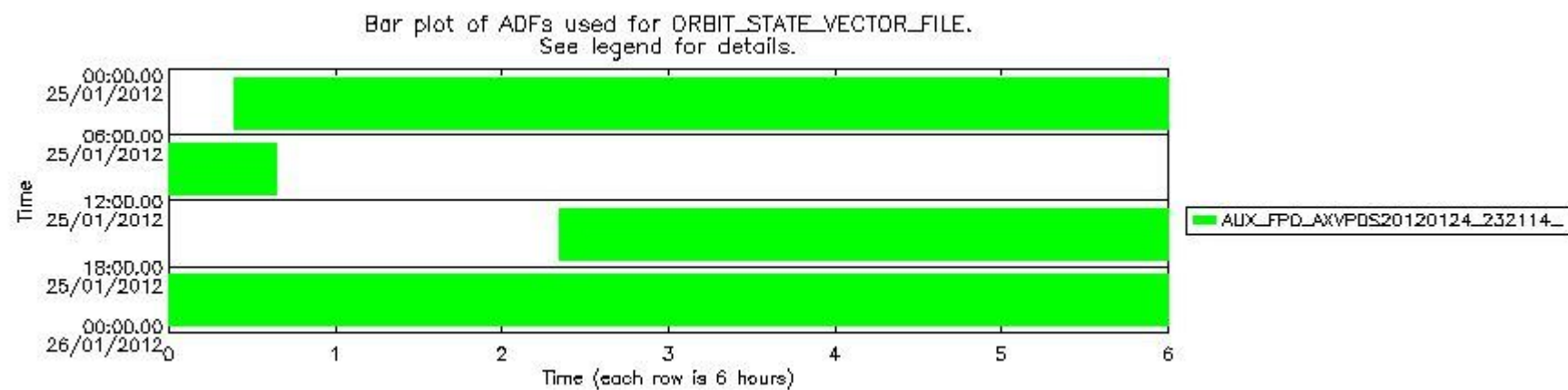
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120124_232114_20120124_193730_20120203_201054

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120125_002319_000059353111_00059_51797_5413.N1	0	1

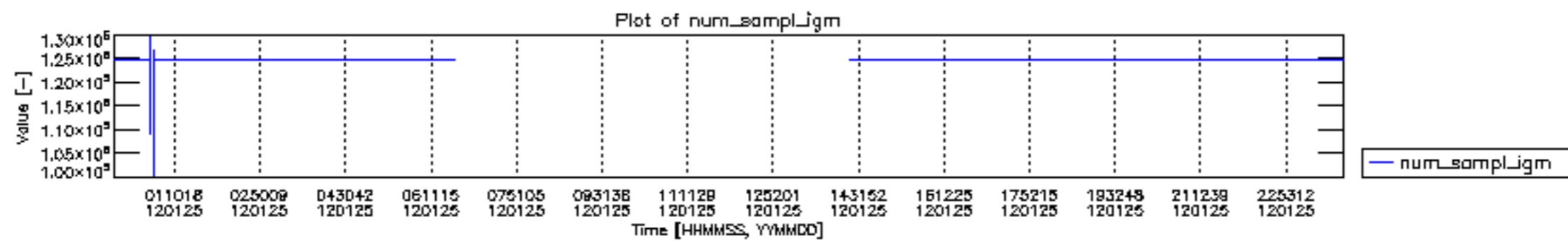
1	MIP_NL__0PNPDE20120125_020054_000045443111_00060_51798_5414.N1	0	1
2	MIP_NL__0PNPDE20120125_031558_000061713111_00061_51799_5415.N1	0	1
3	MIP_NL__0PNPDE20120125_045808_000060233111_00062_51800_5416.N1	0	1
4	MIP_NL__0PNPDK20120125_142049_000060963111_00068_51806_8360.N1	0	1
5	MIP_NL__0PNPDK20120125_160143_000058183111_00069_51807_8361.N1	0	1
6	MIP_NL__0PNPDK20120125_173722_000059913111_00070_51808_8362.N1	0	1
7	MIP_NL__0PNPDK20120125_191242_000062383111_00071_51809_8363.N1	0	1
8	MIP_NL__0PNPDE20120125_205256_000044893111_00072_51810_5417.N1	0	1
9	MIP_NL__0PNPDE20120125_220628_000061233111_00072_51810_5418.N1	0	1
10	MIP_NL__0PNPDE20120125_234709_000060923111_00073_51811_5419.N1	0	1

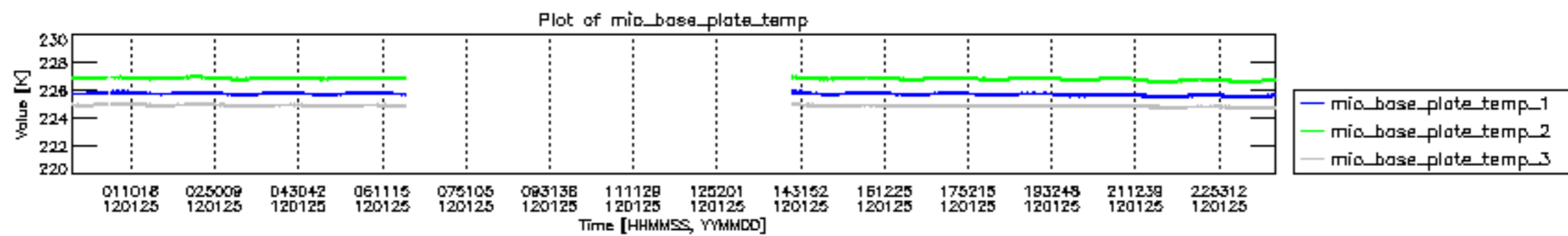


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_12.PNG

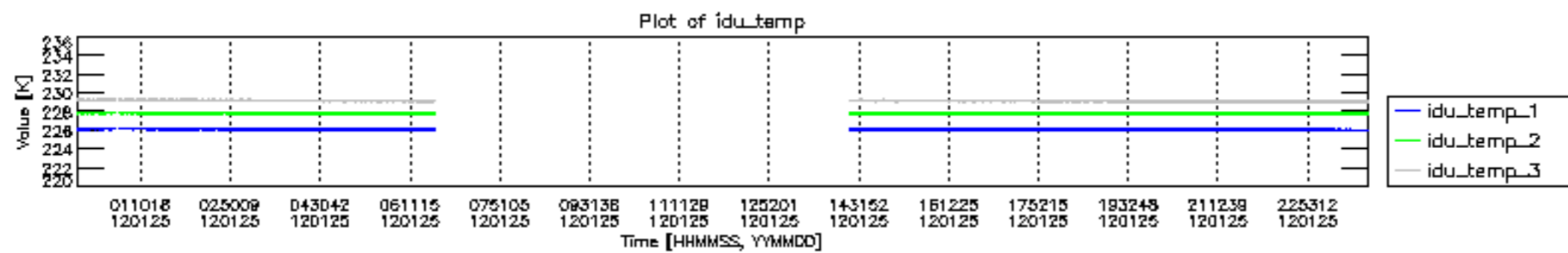


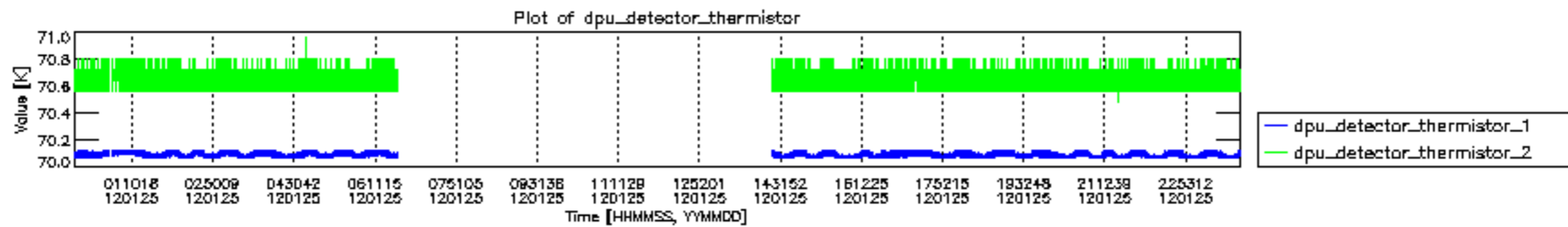
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120125\_13.PNG

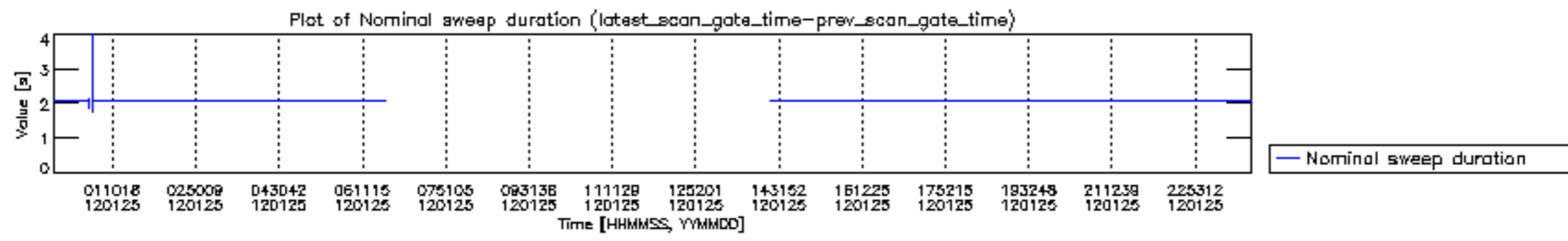


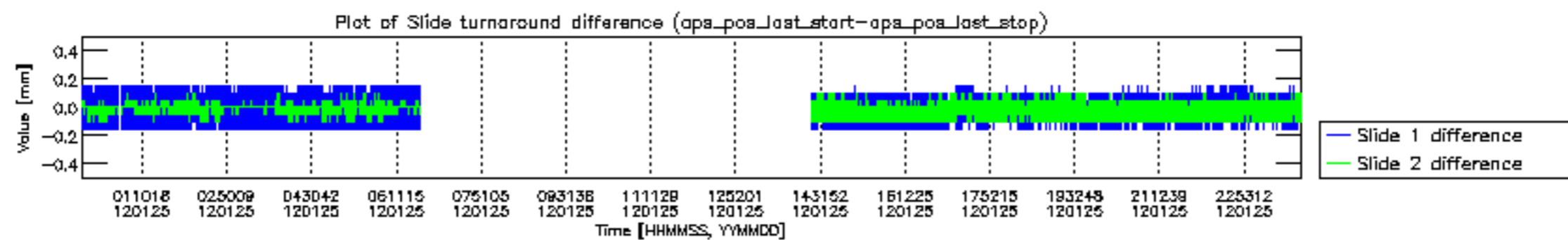


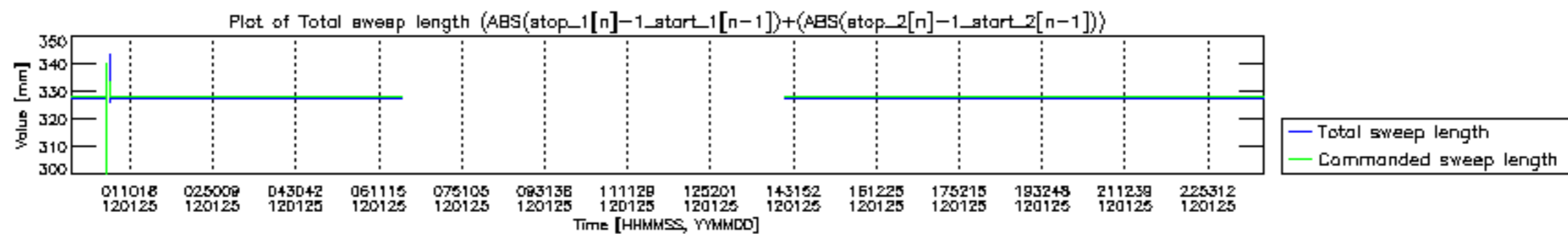




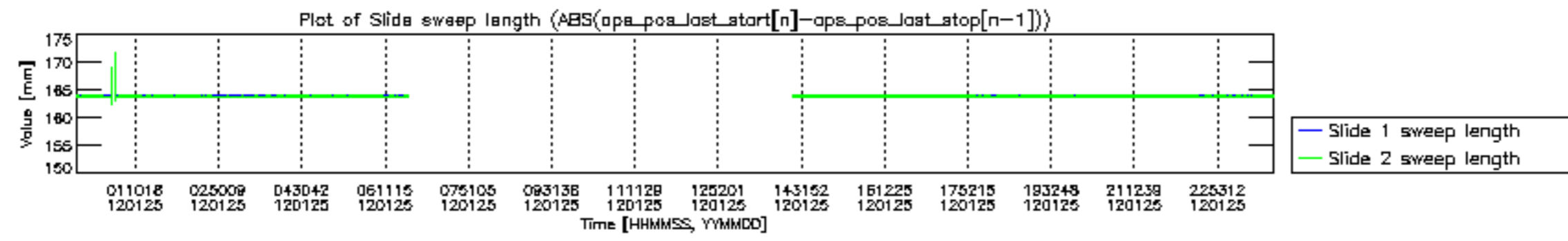


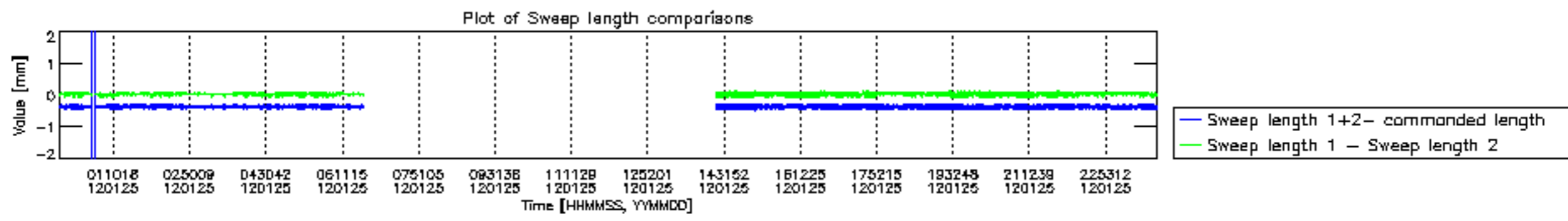


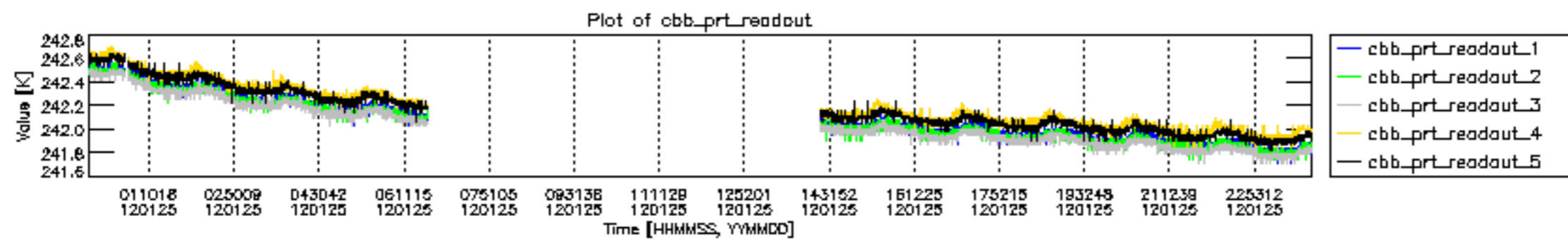


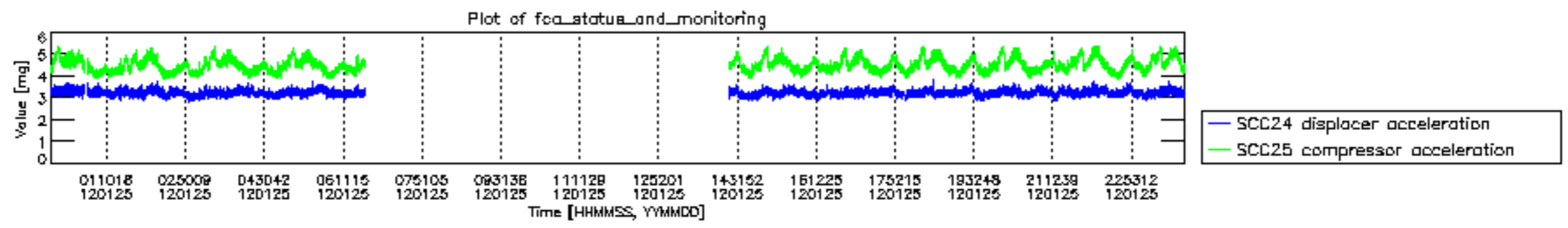












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

