

## 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	31JAN2012 05:25:11
Data source version	KSPT_L0/4504-N
Processing scope for products	26JAN2012 00:00:00 to 27JAN2012 00:00:00
Start time of first product within scope	26JAN2012 01:27:19
Stop time of last product within scope	27JAN2012 00:53:07
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__0PNPDE20120126_012719_000102093111_00074_51812_5420.N1	26JAN2012 01:27:19	26JAN2012 04:17:28	0	0	0	0	0
1	MIP_NL__0PNPDE20120126_014930_000013583111_00075_51813_0702.N1	26JAN2012 01:49:30	26JAN2012 02:12:08	0	0	0	0	0
2	MIP_NL__0PNPDE20120126_021210_000075183111_00075_51813_0703.N1	26JAN2012 02:12:10	26JAN2012 04:17:28	0	0	0	0	0
3	MIP_NL__0PNPDE20120126_041646_000063243111_00076_51814_5421.N1	26JAN2012 04:16:46	26JAN2012 06:02:10	0	0	0	0	0
4	MIP_NL__0PNPDK20120126_060130_000040883111_00077_51815_8364.N1	26JAN2012 06:01:30	26JAN2012 07:09:38	0	0	0	0	0
5	MIP_NL__0PNPDK20120126_070817_000061813111_00078_51816_8365.N1	26JAN2012 07:08:17	26JAN2012 08:51:18	0	0	0	0	0
6	MIP_NL__0PNPDK20120126_084955_000060203111_00079_51817_8366.N1	26JAN2012 08:49:55	26JAN2012 10:30:15	0	0	0	0	0
7	MIP_NL__0PNPDK20120126_102807_000060793111_00080_51818_8367.N1	26JAN2012 10:28:07	26JAN2012 12:09:26	0	0	0	0	0
8	MIP_NL__0PNPDK20120126_120559_000059623111_00081_51819_8368.N1	26JAN2012 12:05:59	26JAN2012 13:45:21	0	0	0	0	0
9	MIP_NL__0PNPDK20120126_134435_000060693111_00082_51820_8369.N1	26JAN2012 13:44:35	26JAN2012 15:25:44	0	0	0	0	0
10	MIP_NL__0PNPDK20120126_152458_000060083111_00083_51821_8370.N1	26JAN2012 15:24:58	26JAN2012 17:05:06	0	0	0	0	0
11	MIP_NL__0PNPDK20120126_170420_000058723111_00084_51822_8371.N1	26JAN2012 17:04:20	26JAN2012 18:42:12	0	0	0	0	0
12	MIP_NL__0PNPDK20120126_184114_000059733111_00085_51823_8372.N1	26JAN2012 18:41:14	26JAN2012 20:20:46	0	0	0	0	0
13	MIP_NL__0PNPDE20120126_201833_000044043111_00086_51824_5422.N1	26JAN2012 20:18:33	26JAN2012 21:31:56	0	0	0	0	0
14	MIP_NL__0PNPDE20120126_213056_000062363111_00086_51824_5423.N1	26JAN2012 21:30:56	26JAN2012 23:14:52	0	0	0	0	0
15	MIP_NL__0PNPDE20120126_231343_000059643111_00087_51825_5424.N1	26JAN2012 23:13:43	27JAN2012 00:53:07	0	0	0	0	0

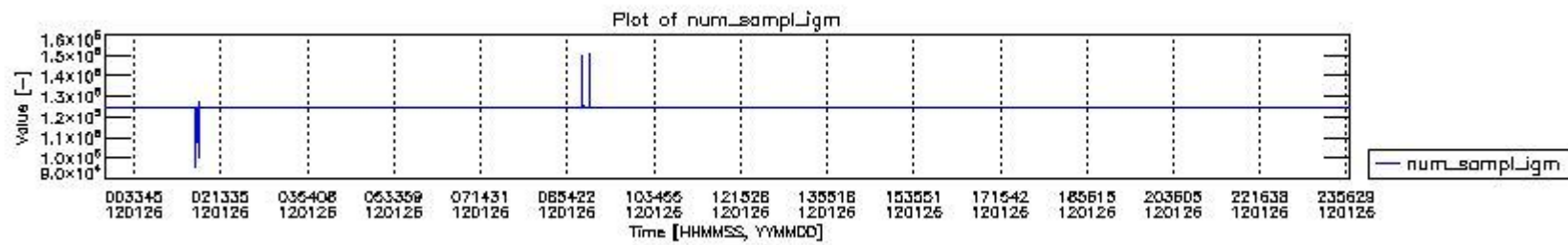
## 0.2 Instrument Operational Performance Parameters

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.

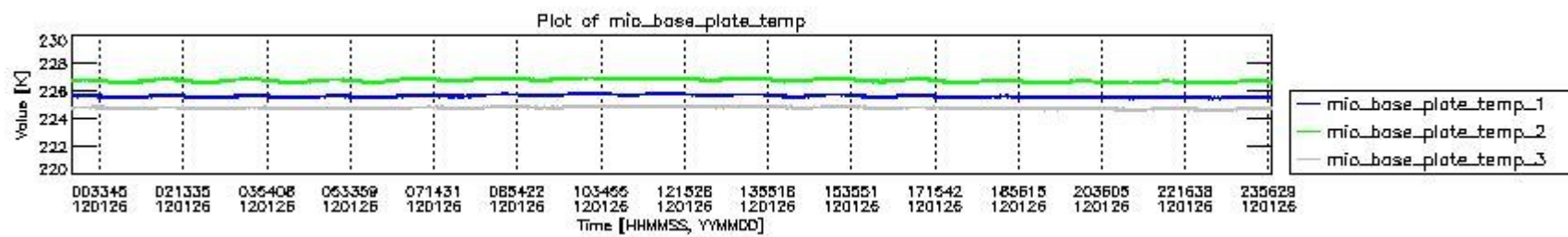
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
95232	1	0.0024072603
99950	1	0.0024072603

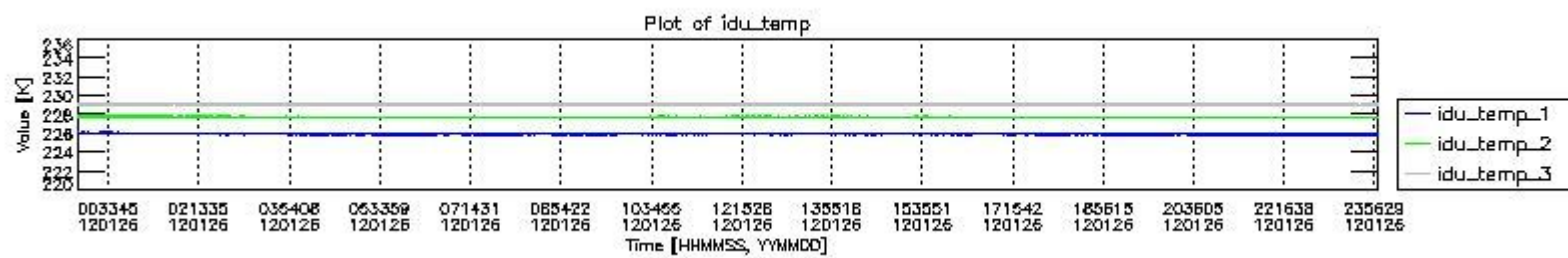
100632	1	0.0024072603
120082	1	0.0024072603
124800	39124	94.181652
124803	2405	5.7894610
125884	1	0.0024072603
126968	1	0.0024072603
127010	1	0.0024072603
127456	1	0.0024072603
147142	1	0.0024072603
147588	1	0.0024072603
149352	1	0.0024072603
150244	1	0.0024072603



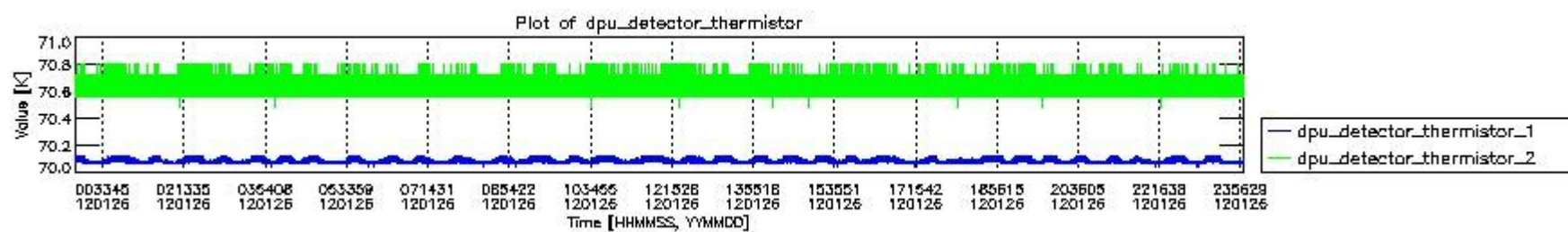
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_0.PNG



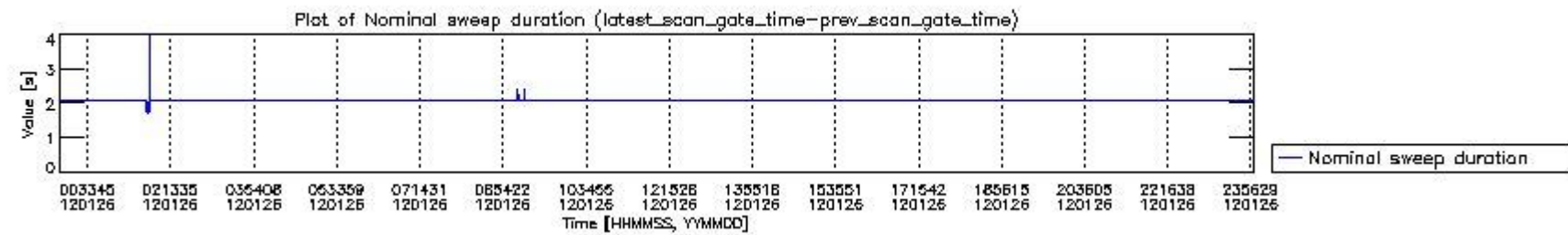
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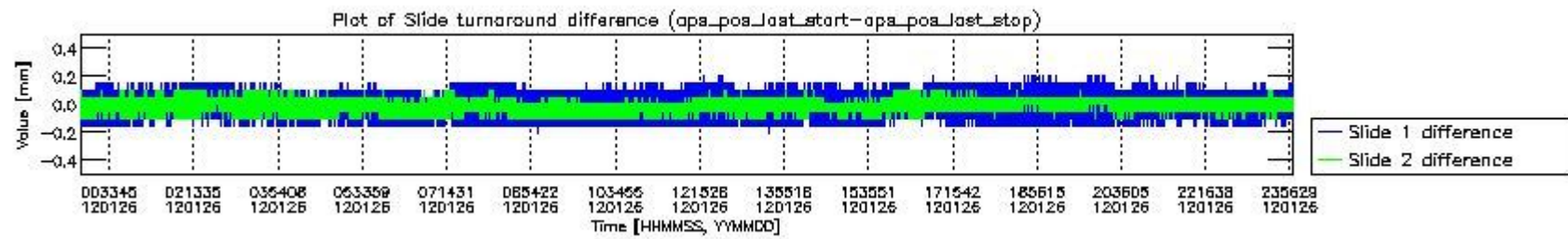
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_2.PNG



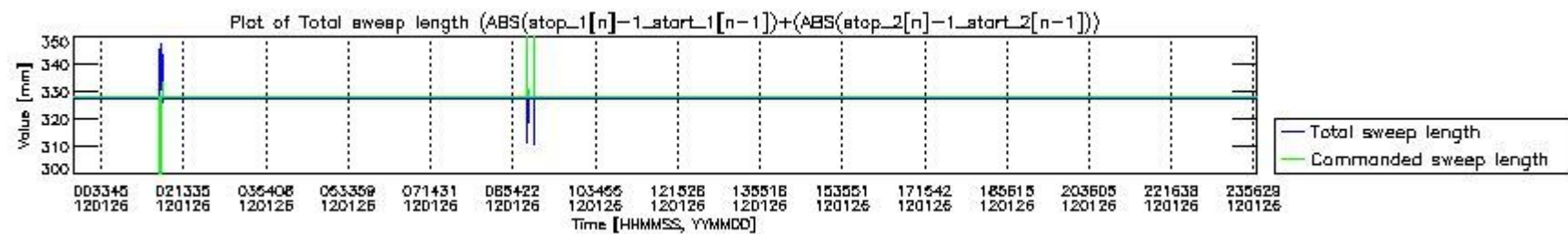
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_3.PNG



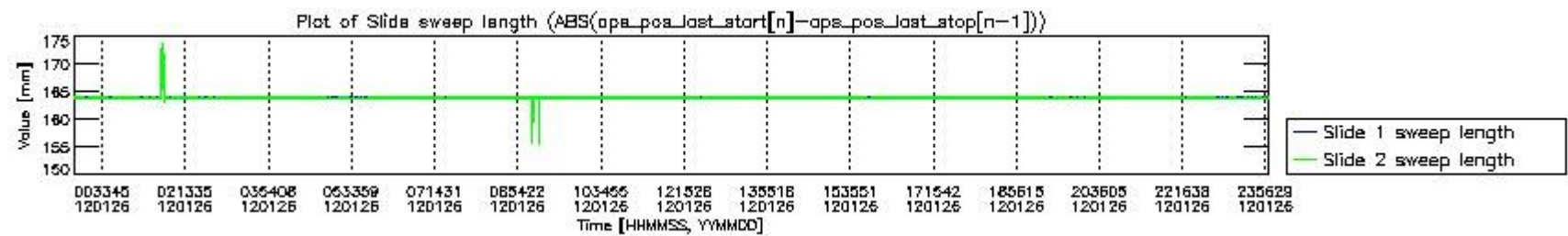
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_4.PNG



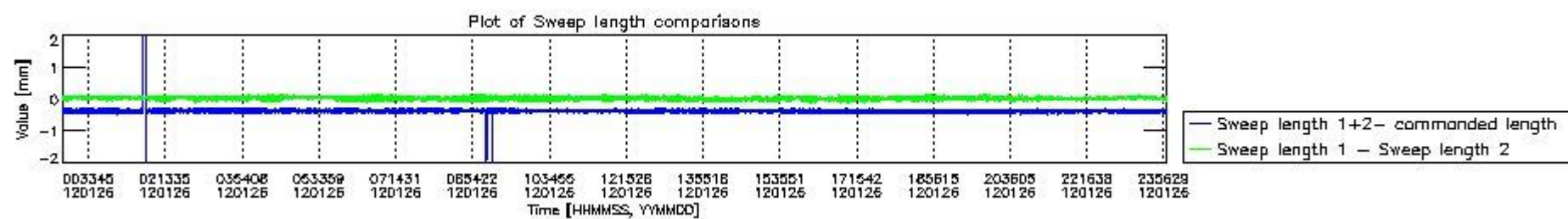
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_5.PNG



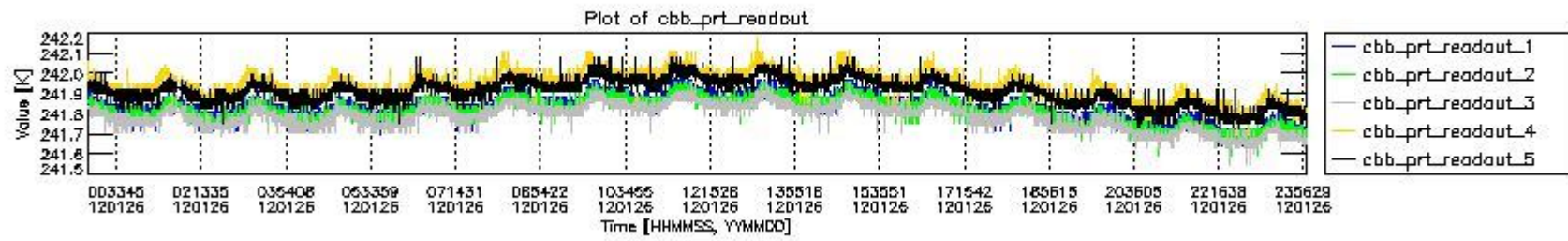
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_6.PNG



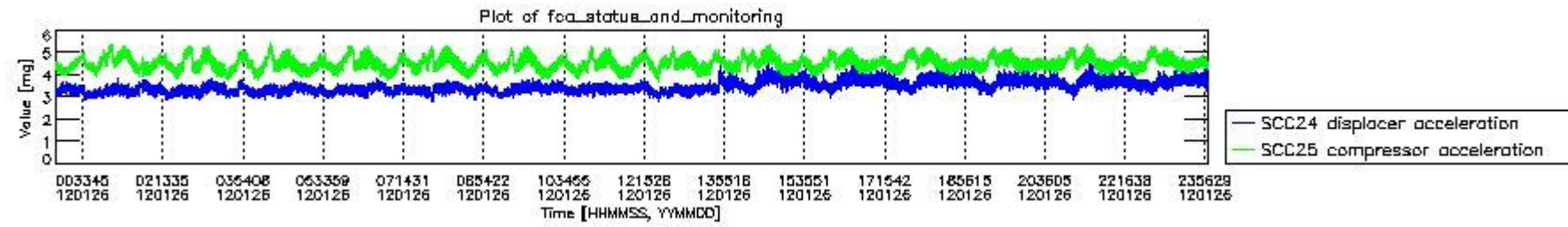
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_9.PNG

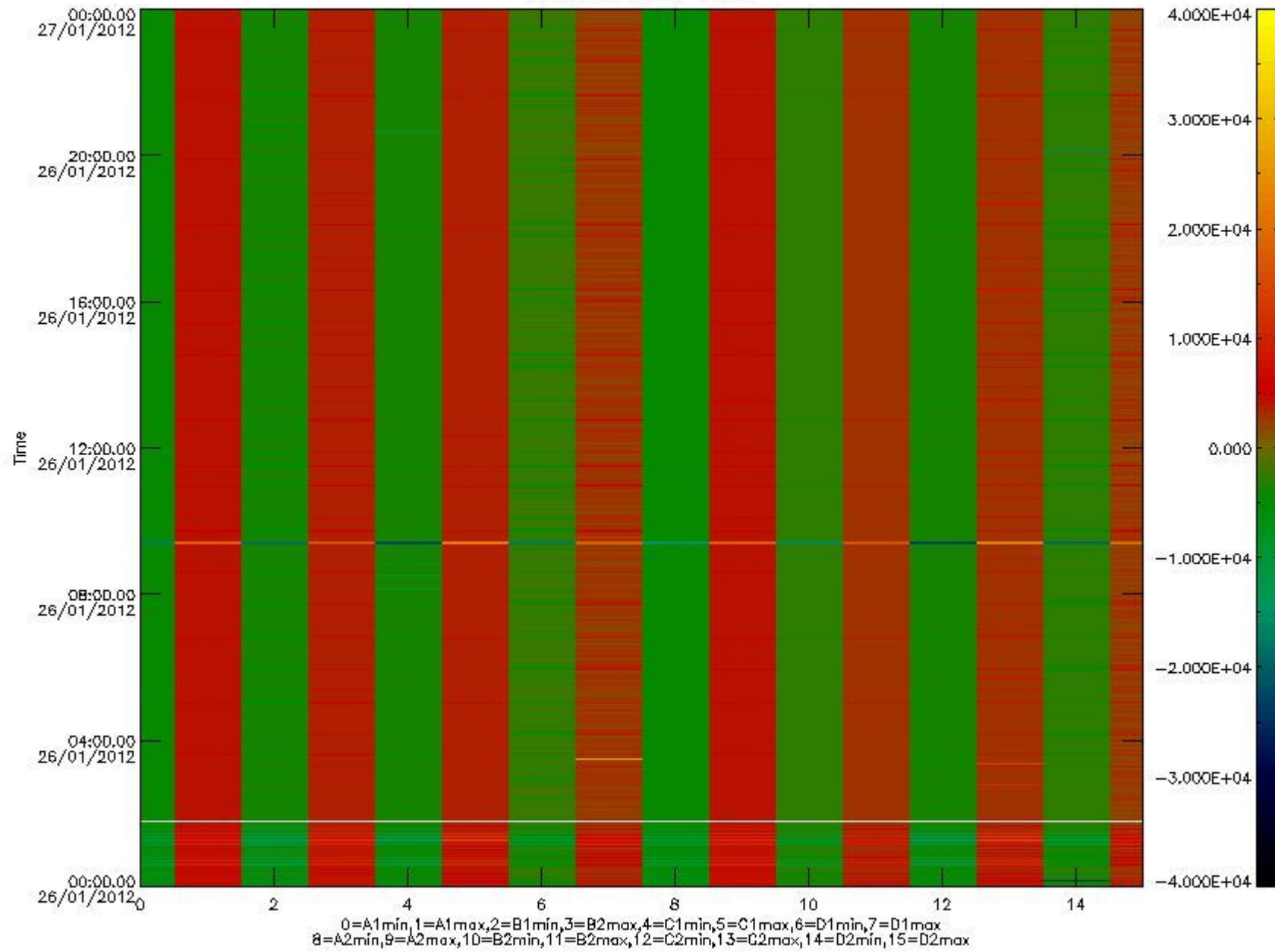


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_10.PNG

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

Channel	Min	Max	ADC
A1	-17237	18159	16bit
B1	-18848	16392	16bit
C1	-23874	22021	16bit
D1	-19915	32767	16bit
A2	-15053	18367	16bit
B2	-16566	16384	16bit
C2	-23149	24807	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\_20120126\_11.PNG

### 0.3 ADF monitoring

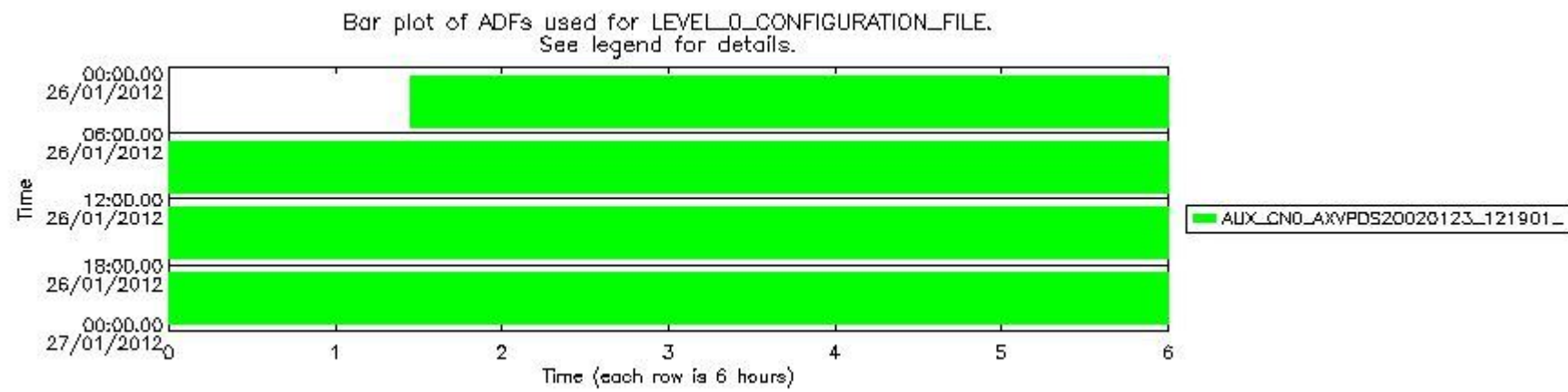
The use of ADFs is shown in two ways:

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.

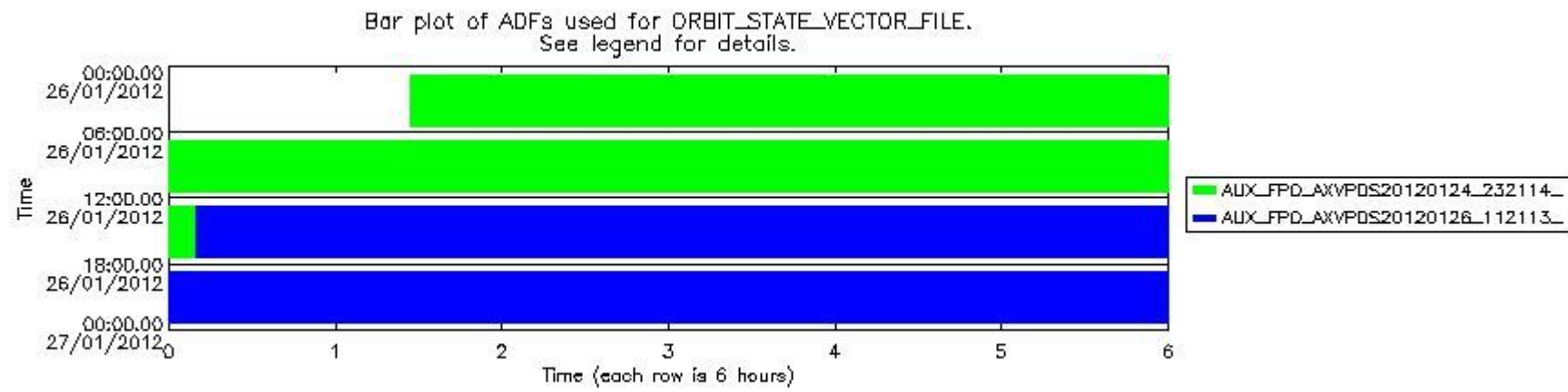
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120124_232114_20120124_193730_20120203_201054
2	AUX_FPO_AXVPDS20120126_112113_20120125_190045_20120204_211424

Number	Product name	#CNO	#FPO
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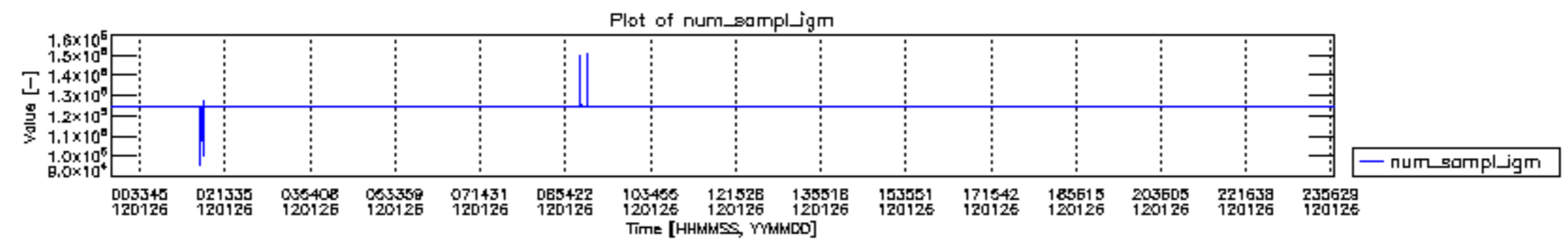
0	MIP_NL__0PNPDE20120126_012719_000102093111_00074_51812_5420.N1	0	1
1	MIP_NL__0PNPDE20120126_014930_000013583111_00075_51813_0702.N1	0	1
2	MIP_NL__0PNPDE20120126_021210_000075183111_00075_51813_0703.N1	0	1
3	MIP_NL__0PNPDE20120126_041646_000063243111_00076_51814_5421.N1	0	1
4	MIP_NL__0PNPDK20120126_060130_000040883111_00077_51815_8364.N1	0	1
5	MIP_NL__0PNPDK20120126_070817_000061813111_00078_51816_8365.N1	0	1
6	MIP_NL__0PNPDK20120126_084955_000060203111_00079_51817_8366.N1	0	1
7	MIP_NL__0PNPDK20120126_102807_000060793111_00080_51818_8367.N1	0	1
8	MIP_NL__0PNPDK20120126_120559_000059623111_00081_51819_8368.N1	0	2
9	MIP_NL__0PNPDK20120126_134435_000060693111_00082_51820_8369.N1	0	2
10	MIP_NL__0PNPDK20120126_152458_000060083111_00083_51821_8370.N1	0	2
11	MIP_NL__0PNPDK20120126_170420_000058723111_00084_51822_8371.N1	0	2
12	MIP_NL__0PNPDK20120126_184114_000059733111_00085_51823_8372.N1	0	2
13	MIP_NL__0PNPDE20120126_201833_000044043111_00086_51824_5422.N1	0	2
14	MIP_NL__0PNPDE20120126_213056_000062363111_00086_51824_5423.N1	0	2
15	MIP_NL__0PNPDE20120126_231343_000059643111_00087_51825_5424.N1	0	2

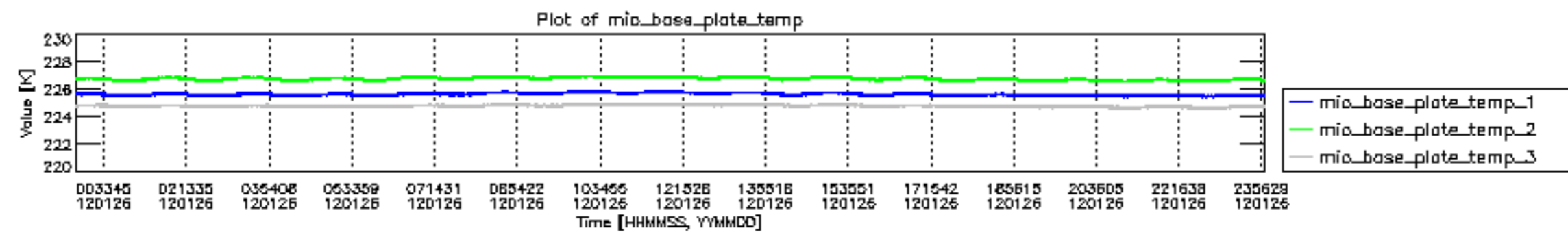


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_12.PNG

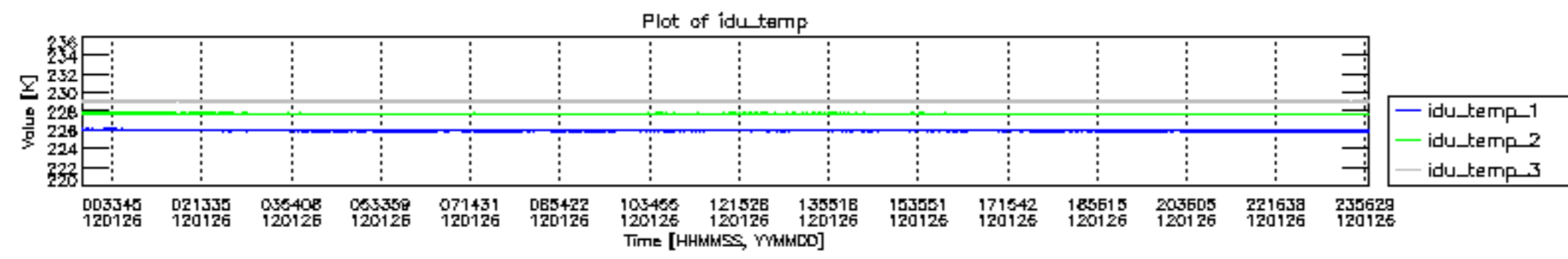


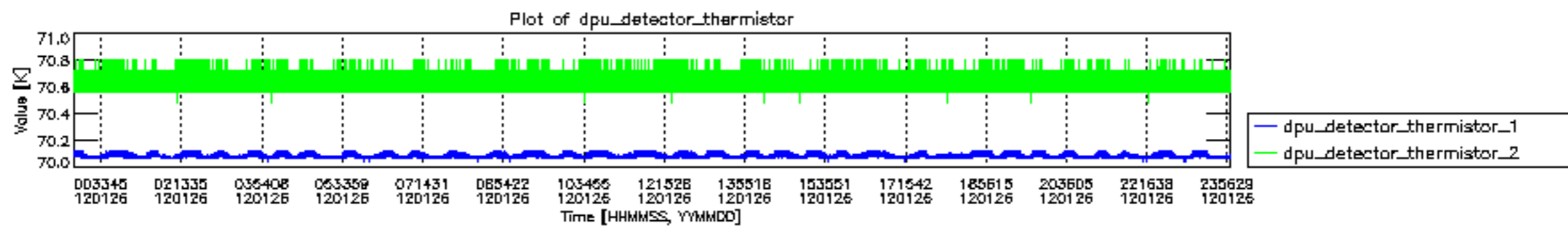
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120126\_13.PNG

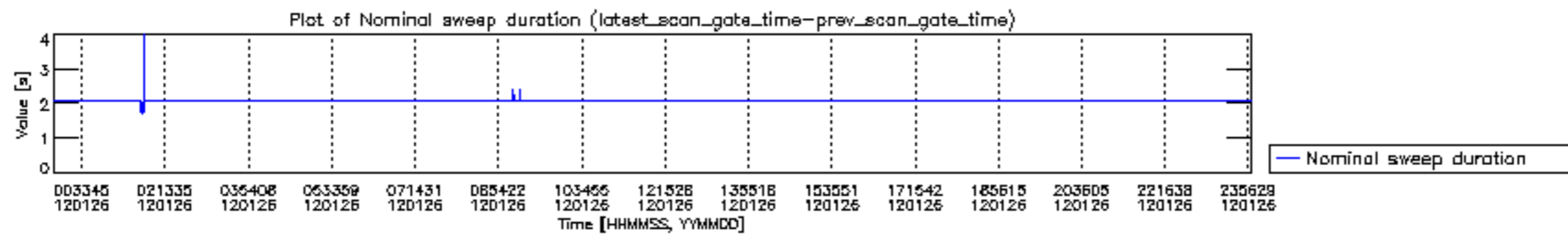


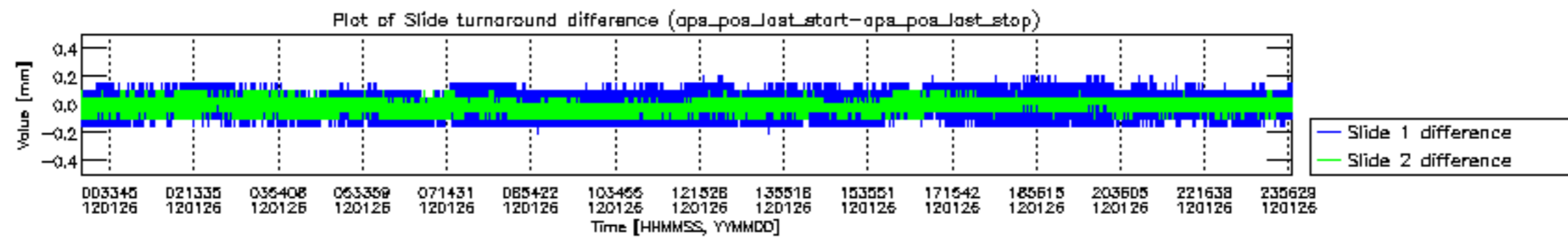


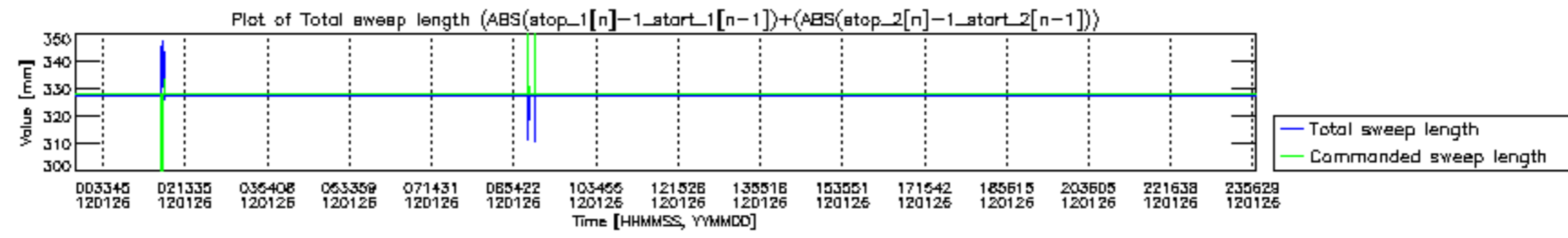


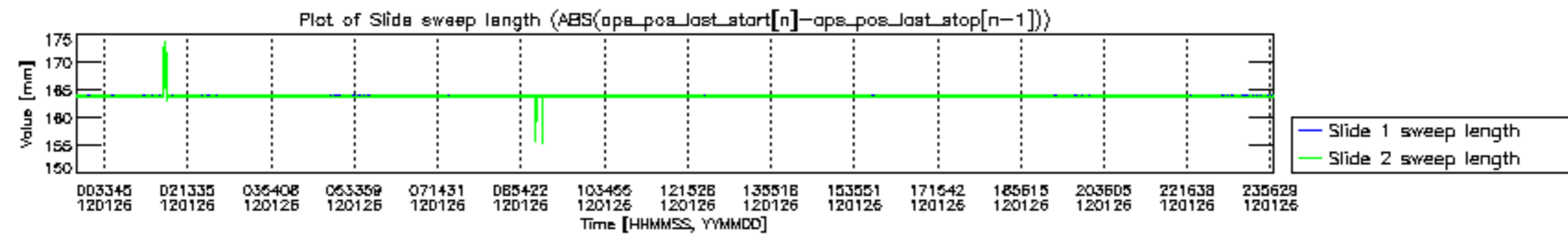


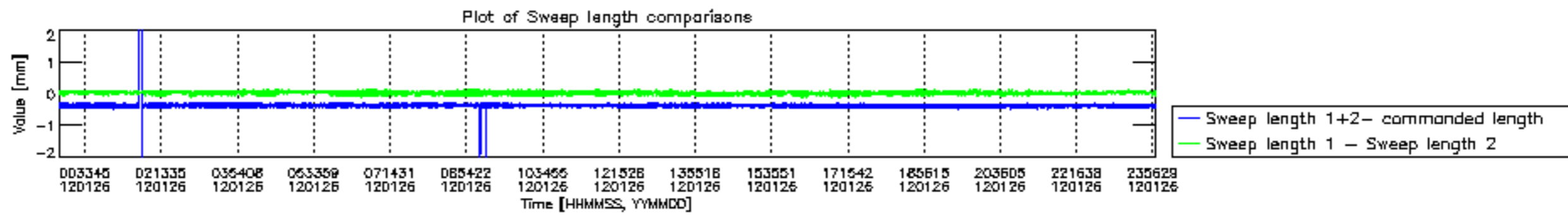


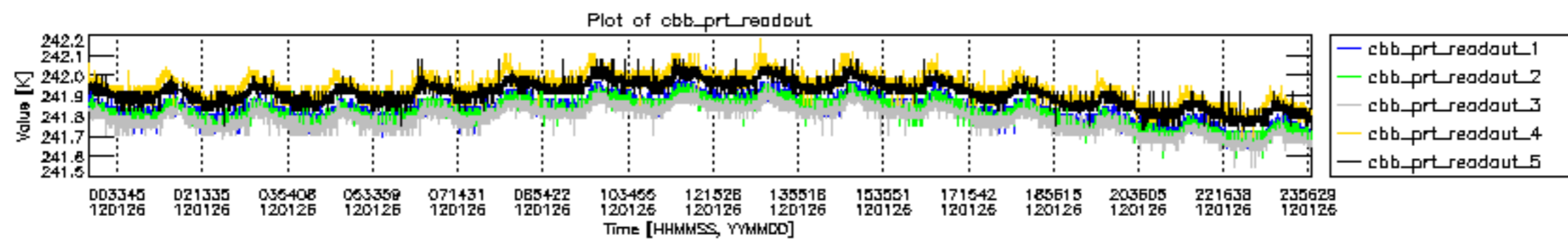




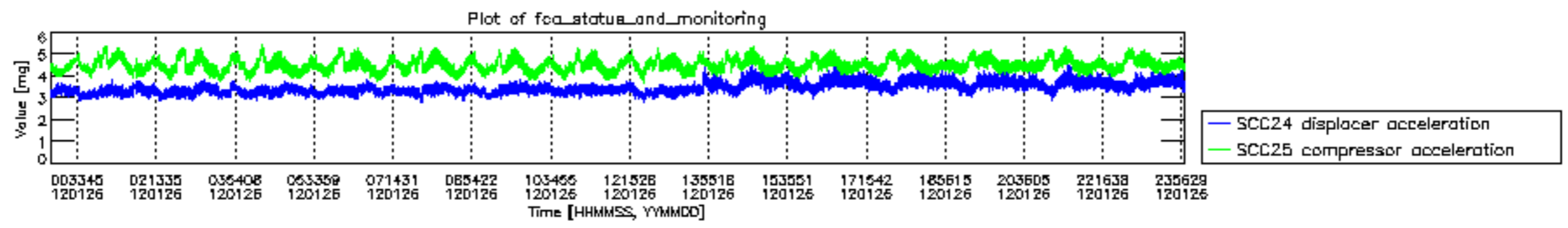












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

