

## 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	18NOV2010 05:26:34
Data source version	KSPT_L0/4504-N
Processing scope for products	13NOV2010 00:00:00 to 14NOV2010 00:00:00
Start time of first product within scope	13NOV2010 01:18:18
Stop time of last product within scope	14NOV2010 00:45:39
Total number of level 0 products	16
Number of level 0 products with errors	1

### 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__0PNPDE20101113_011818_000103503096_00232_45505_1845.N1	13NOV2010 01:18:18	13NOV2010 04:10:47	0	0	0	0	0
1	MIP_NL__0PNPDE20101113_020202_000077263096_00233_45506_1846.N1	13NOV2010 02:02:02	13NOV2010 04:10:47	0	0	0	0	0
2	MIP_NL__0PNPDE20101113_041014_000019933096_00234_45507_1848.N1	13NOV2010 04:10:14	13NOV2010 04:43:27	0	0	0	0	0
3	MIP_NL__0PNPDE20101113_044327_000042643096_00234_45507_1849.N1	13NOV2010 04:43:27	13NOV2010 05:54:31	0	0	0	0	0
4	MIP_NL__0PNPDE20101113_055359_000061453096_00235_45508_1850.N1	13NOV2010 05:53:59	13NOV2010 07:36:25	0	0	0	0	0
5	MIP_NL__0PNPDK20101113_073551_000038423096_00236_45509_3260.N1	13NOV2010 07:35:51	13NOV2010 08:39:53	0	0	0	0	0
6	MIP_NL__0PNPDK20101113_083855_000061943096_00237_45510_3261.N1	13NOV2010 08:38:55	13NOV2010 10:22:09	0	0	0	0	0
7	MIP_NL__0PNPDK20101113_102031_000060633096_00238_45511_3262.N1	13NOV2010 10:20:31	13NOV2010 12:01:33	0	0	0	0	0
8	MIP_NL__0PNPDK20101113_120035_000058853096_00239_45512_3263.N1	13NOV2010 12:00:35	13NOV2010 13:38:40	1	1	0	0	0
9	MIP_NL__0PNPDK20101113_133741_000060333096_00240_45513_3264.N1	13NOV2010 13:37:41	13NOV2010 15:18:15	0	0	0	0	0
10	MIP_NL__0PNPDK20101113_151716_000058723096_00241_45514_3265.N1	13NOV2010 15:17:16	13NOV2010 16:55:09	0	0	0	0	0
11	MIP_NL__0PNPDK20101113_165433_000058223096_00242_45515_3266.N1	13NOV2010 16:54:33	13NOV2010 18:31:36	0	0	0	0	0
12	MIP_NL__0PNPDK20101113_183031_000059793096_00243_45516_3267.N1	13NOV2010 18:30:31	13NOV2010 20:10:10	0	0	0	0	0
13	MIP_NL__0PNPDE20101113_200802_000045563096_00244_45517_1851.N1	13NOV2010 20:08:02	13NOV2010 21:23:59	0	0	0	0	0
14	MIP_NL__0PNPDE20101113_212252_000061543096_00244_45517_1852.N1	13NOV2010 21:22:52	13NOV2010 23:05:26	0	0	0	0	0
15	MIP_NL__0PNPDE20101113_230420_000060793096_00245_45518_1853.N1	13NOV2010 23:04:20	14NOV2010 00:45:39	0	0	0	0	0

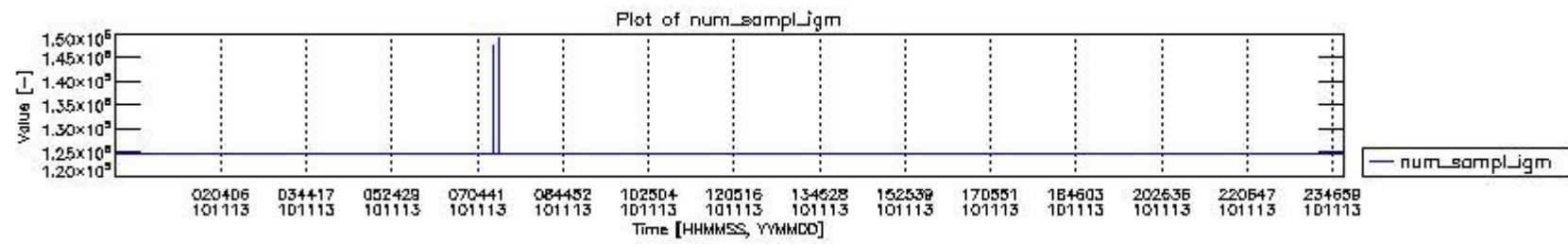
## 0.2 Instrument Operational Performance Parameters

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.

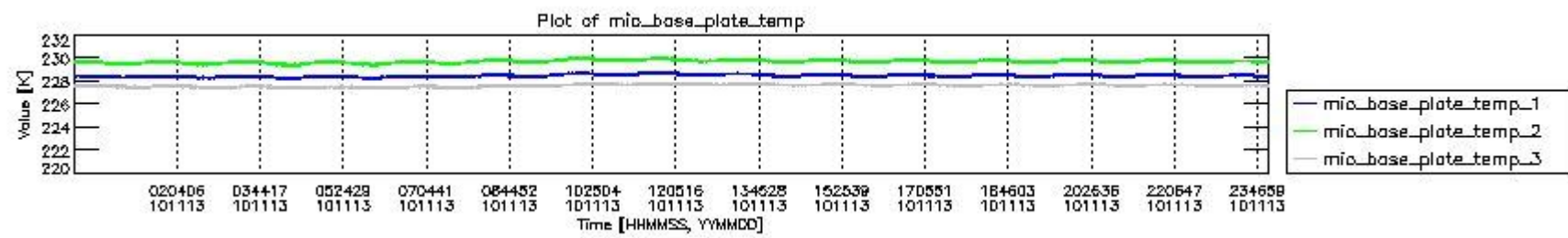
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38715	92.888505
124803	2958	7.0970993

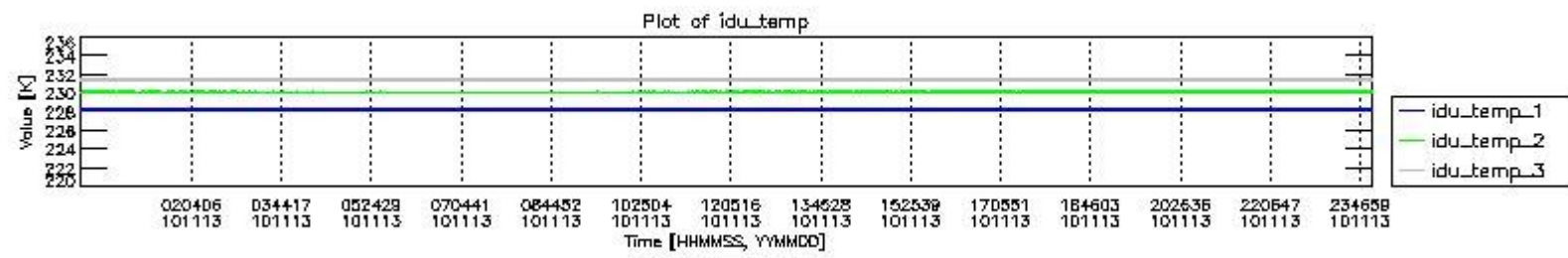
126044	1	0.0023992898
126936	1	0.0023992898
146176	1	0.0023992898
147068	1	0.0023992898
147420	1	0.0023992898
149204	1	0.0023992898



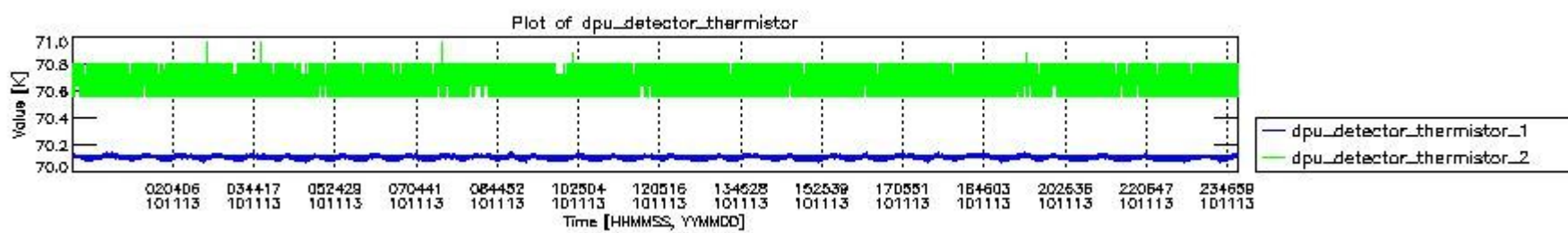
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_0.PNG



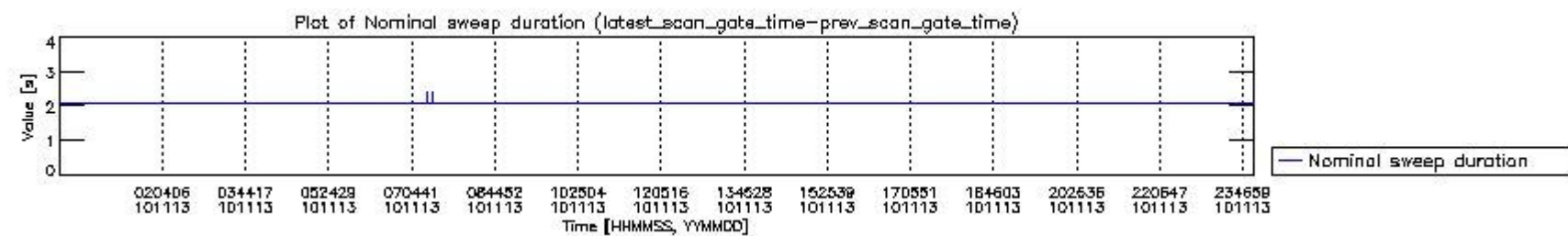
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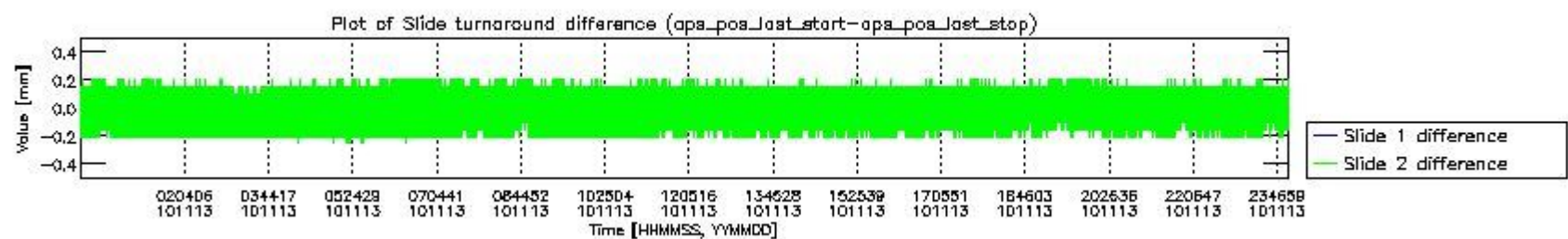
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_2.PNG



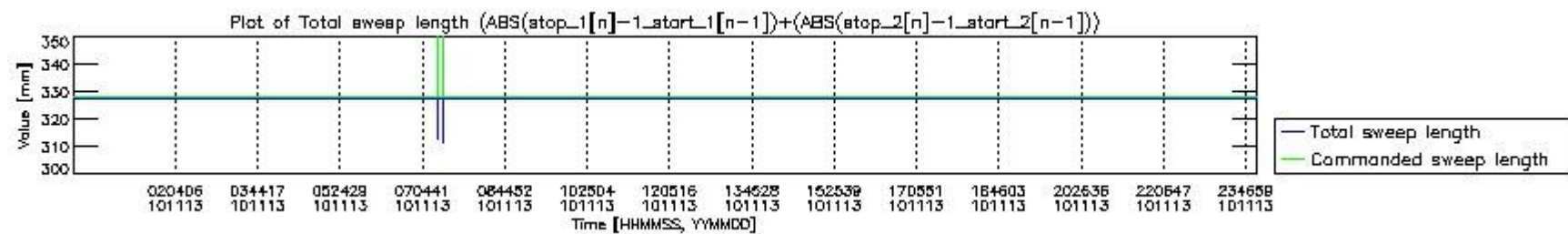
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_3.PNG



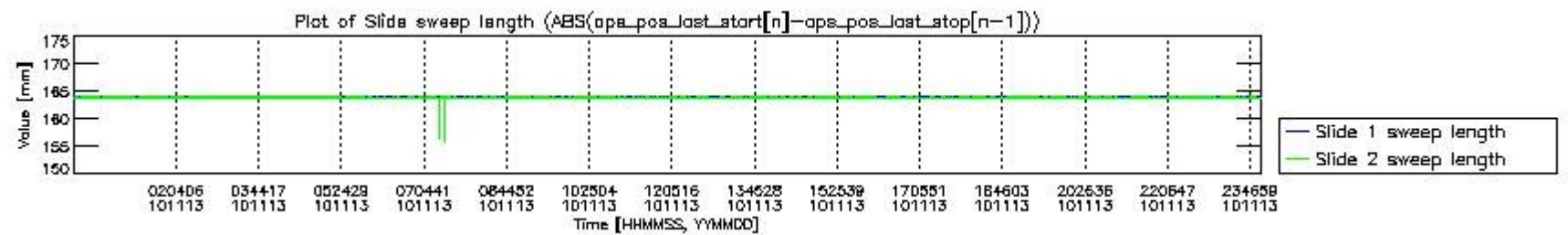
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_4.PNG



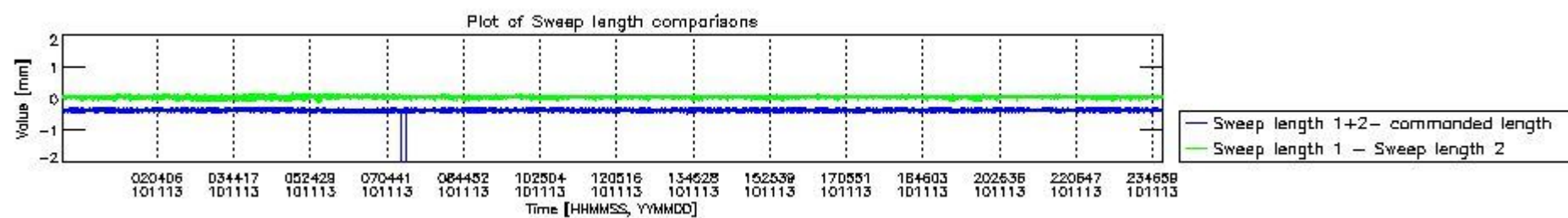
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_5.PNG



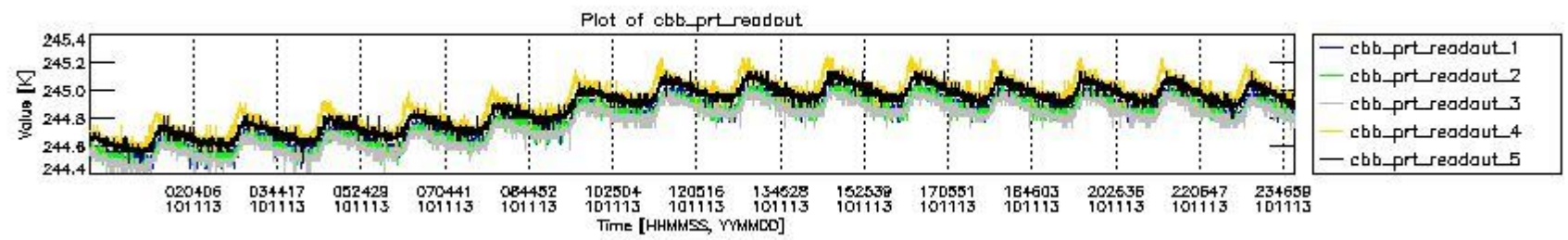
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_6.PNG



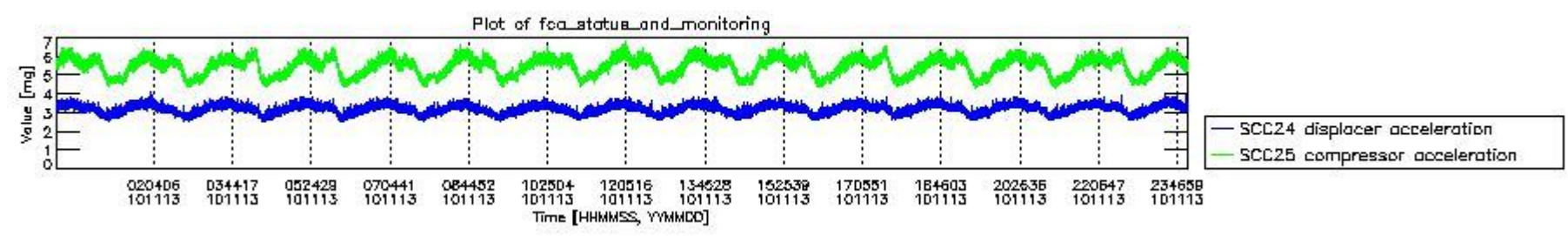
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_9.PNG

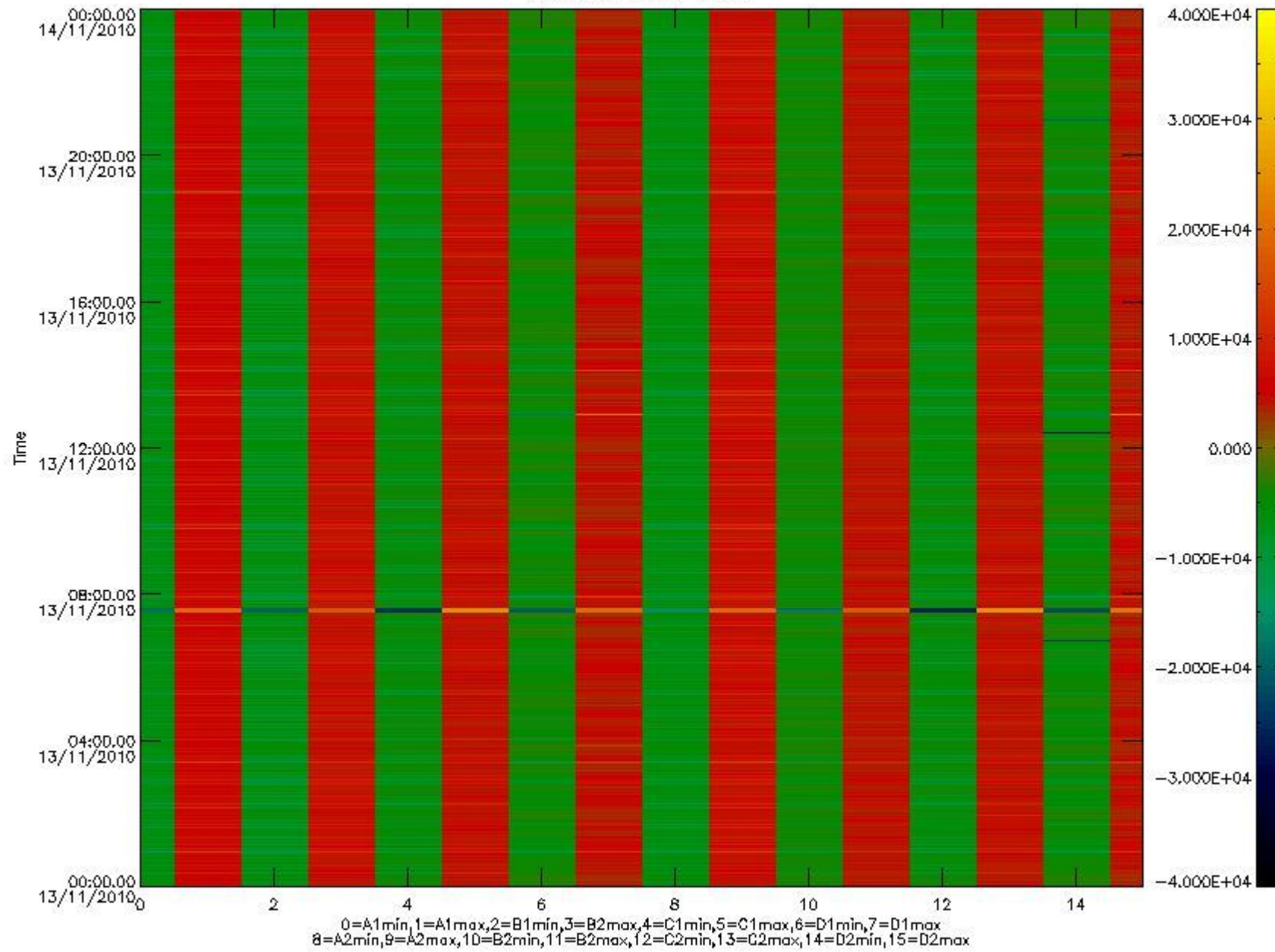


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_10.PNG

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

Channel	Min	Max	ADC
A1	-18627	19830	16bit
B1	-20626	17740	16bit
C1	-25092	25049	16bit
D1	-32768	32767	16bit
A2	-16067	19947	16bit
B2	-18780	18372	16bit
C2	-26093	25769	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\_20101113\_11.PNG

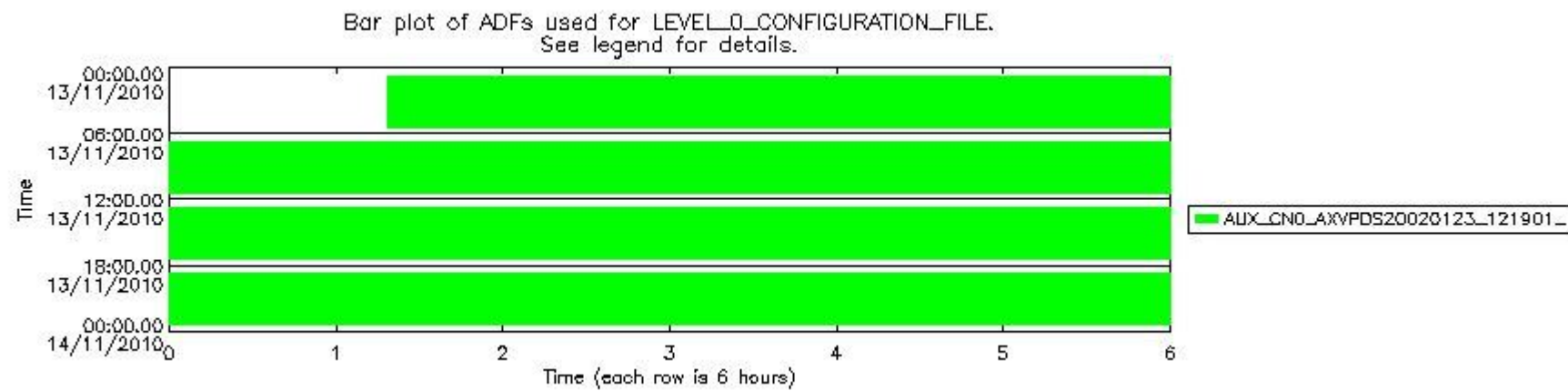
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

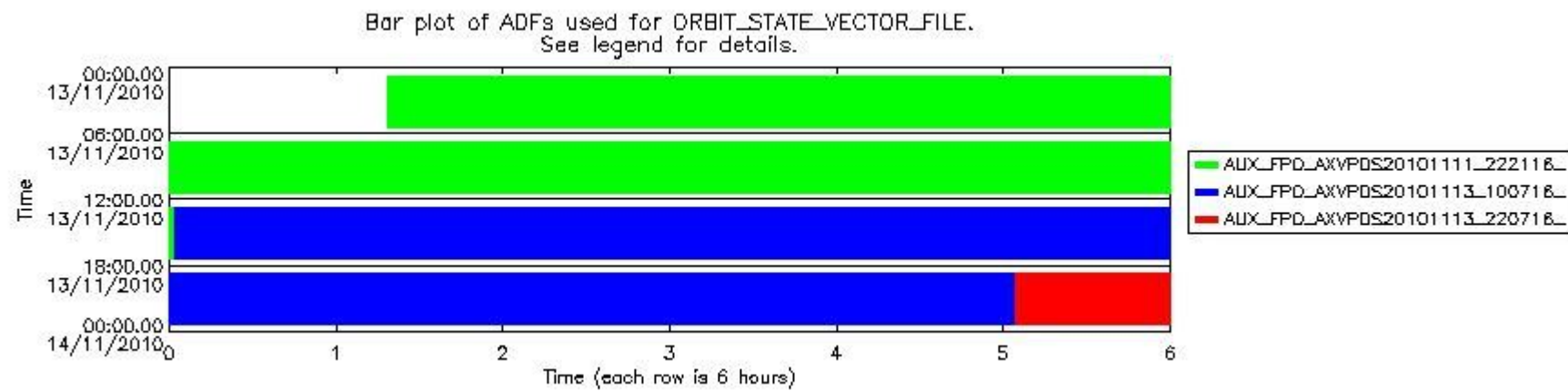
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101111_222116_20101111_192744_20101121_200125
2	AUX_FPO_AXVPDS20101113_100716_20101112_185100_20101122_210455
3	AUX_FPO_AXVPDS20101113_220716_20101113_195431_20101123_202811

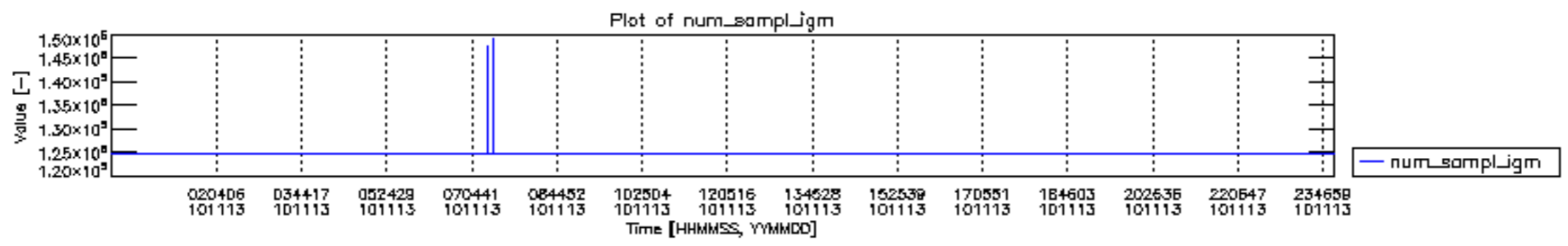
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101113_011818_000103503096_00232_45505_1845.N1	0	1
1	MIP_NL__0PNPDE20101113_020202_000077263096_00233_45506_1846.N1	0	1
2	MIP_NL__0PNPDE20101113_041014_000019933096_00234_45507_1848.N1	0	1
3	MIP_NL__0PNPDE20101113_044327_000042643096_00234_45507_1849.N1	0	1
4	MIP_NL__0PNPDE20101113_055359_000061453096_00235_45508_1850.N1	0	1
5	MIP_NL__0PNPDK20101113_073551_000038423096_00236_45509_3260.N1	0	1
6	MIP_NL__0PNPDK20101113_083855_000061943096_00237_45510_3261.N1	0	1
7	MIP_NL__0PNPDK20101113_102031_000060633096_00238_45511_3262.N1	0	1
8	MIP_NL__0PNPDK20101113_120035_000058853096_00239_45512_3263.N1	0	2
9	MIP_NL__0PNPDK20101113_133741_000060333096_00240_45513_3264.N1	0	2
10	MIP_NL__0PNPDK20101113_151716_000058723096_00241_45514_3265.N1	0	2
11	MIP_NL__0PNPDK20101113_165433_000058223096_00242_45515_3266.N1	0	2
12	MIP_NL__0PNPDK20101113_183031_000059793096_00243_45516_3267.N1	0	2
13	MIP_NL__0PNPDE20101113_200802_000045563096_00244_45517_1851.N1	0	2
14	MIP_NL__0PNPDE20101113_212252_000061543096_00244_45517_1852.N1	0	2
15	MIP_NL__0PNPDE20101113_230420_000060793096_00245_45518_1853.N1	0	3

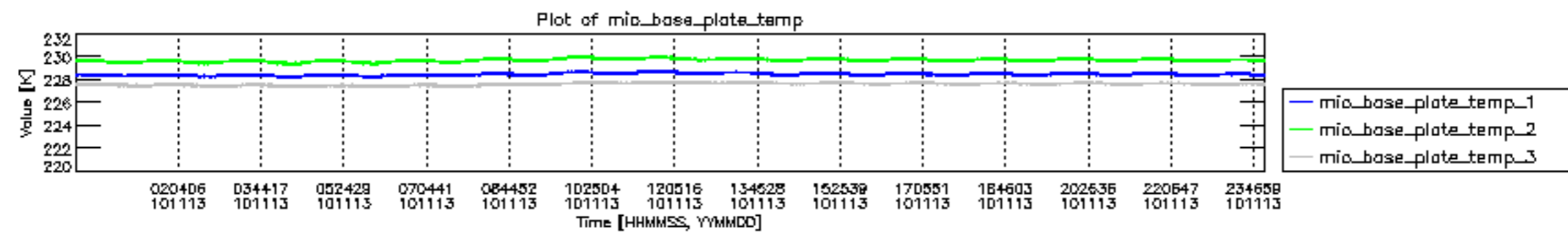


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_12.PNG

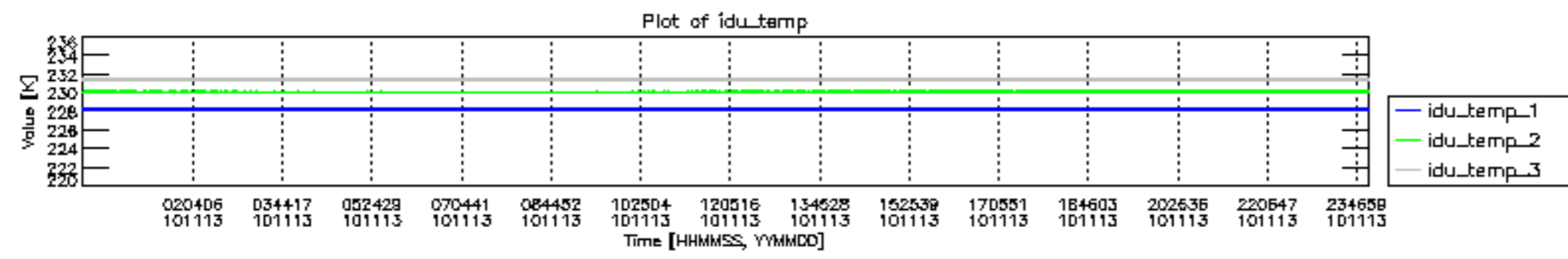


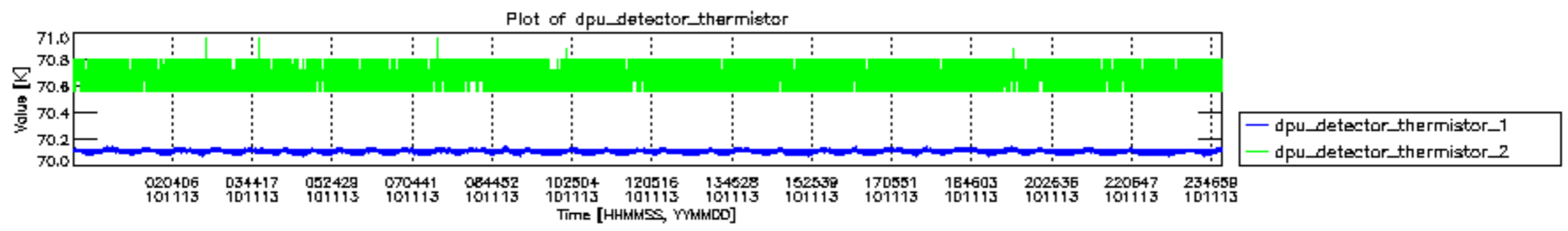
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101113\_13.PNG

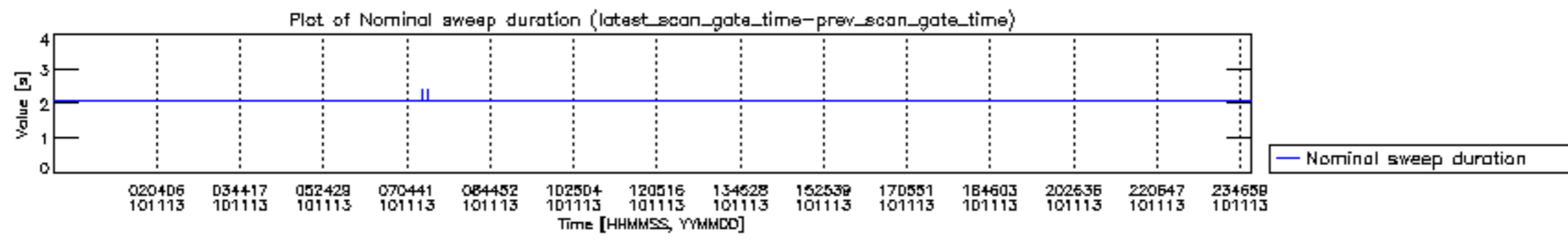


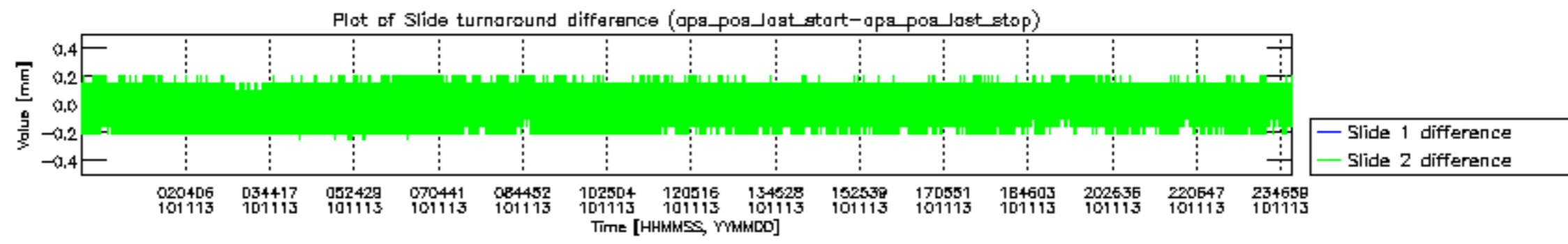


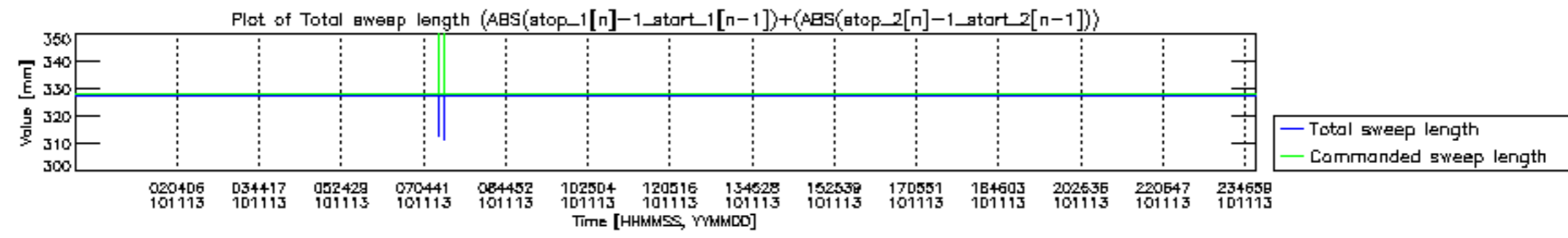


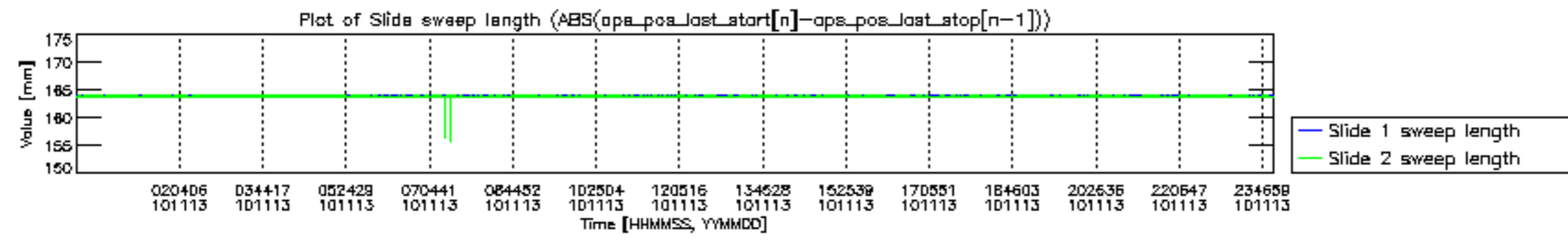


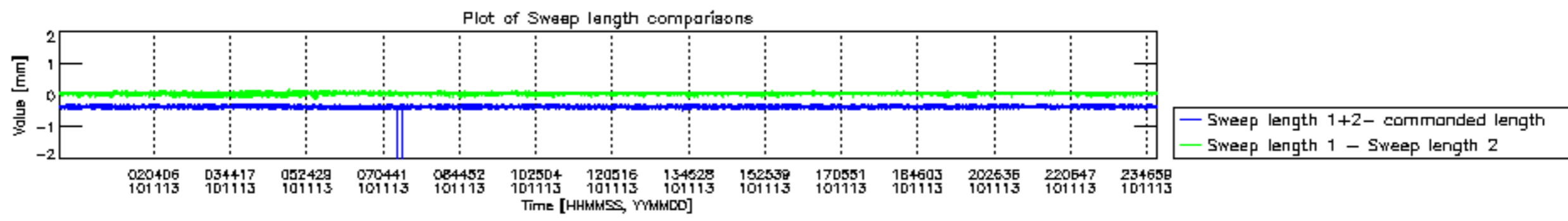


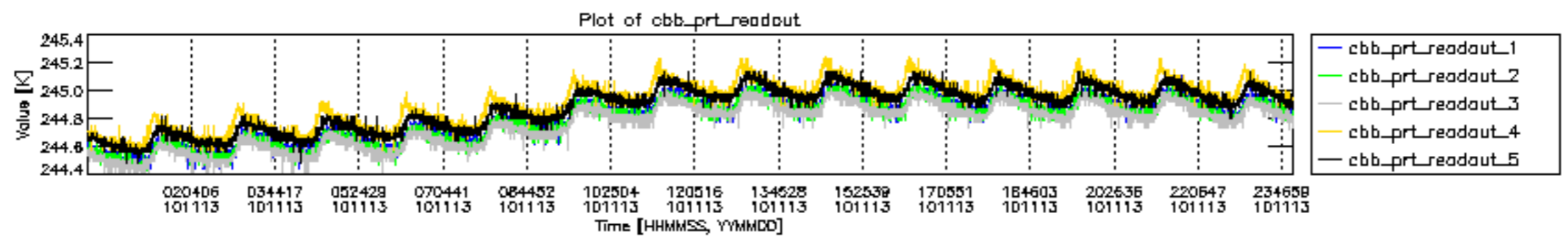




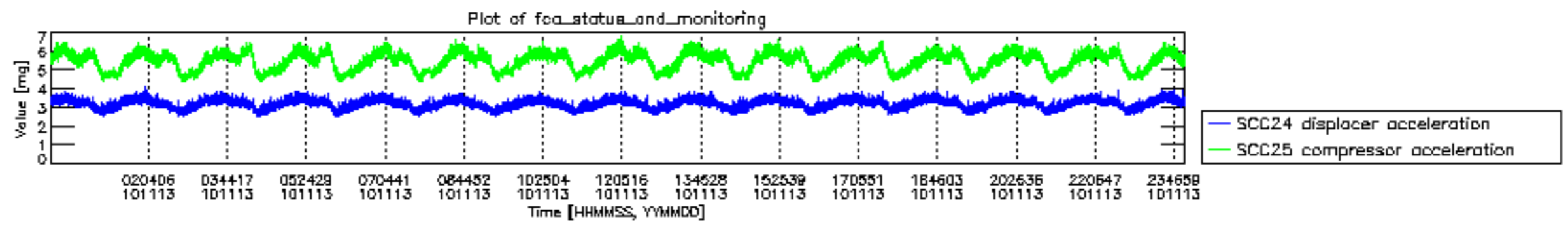












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

