

## 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	24MAR2012 05:24:41
Data source version	KSPT_L0/4504-N
Processing scope for products	19MAR2012 00:00:00 to 20MAR2012 00:00:00
Start time of first product within scope	19MAR2012 00:45:47
Stop time of last product within scope	20MAR2012 00:10:20
Total number of level 0 products	13
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__0PNPDE20120319_004547_000058553112_00404_52573_1250.N1	19MAR2012 00:45:47	19MAR2012 02:23:22	0	0	0	0	0
1	MIP_NL__0PNPDE20120319_022213_000045463112_00405_52574_1251.N1	19MAR2012 02:22:13	19MAR2012 03:37:59	0	0	0	0	0
2	MIP_NL__0PNPDE20120319_033725_000061443112_00406_52575_1252.N1	19MAR2012 03:37:25	19MAR2012 05:19:49	0	0	0	0	0
3	MIP_NL__0PNPDK20120319_070021_000040263112_00408_52577_8970.N1	19MAR2012 07:00:21	19MAR2012 08:07:26	0	0	0	0	0
4	MIP_NL__0PNPDK20120319_080653_000061733112_00409_52578_8971.N1	19MAR2012 08:06:53	19MAR2012 09:49:46	0	0	0	0	0
5	MIP_NL__0PNPDK20120319_112651_000059163112_00411_52580_8973.N1	19MAR2012 11:26:51	19MAR2012 13:05:27	0	0	0	0	0
6	MIP_NL__0PNPDK20120319_130349_000059183112_00412_52581_8974.N1	19MAR2012 13:03:49	19MAR2012 14:42:27	0	0	0	0	0
7	MIP_NL__0PNPDK20120319_144047_000060443112_00413_52582_8975.N1	19MAR2012 14:40:47	19MAR2012 16:21:30	0	0	0	0	0
8	MIP_NL__0PNPDK20120319_162005_000059773112_00414_52583_8976.N1	19MAR2012 16:20:05	19MAR2012 17:59:42	0	0	0	0	0
9	MIP_NL__0PNPDK20120319_175841_000058563112_00415_52584_8977.N1	19MAR2012 17:58:41	19MAR2012 19:36:17	0	0	0	0	0
10	MIP_NL__0PNPDK20120319_193541_000061443112_00416_52585_8978.N1	19MAR2012 19:35:41	19MAR2012 21:18:05	0	0	0	0	0
11	MIP_NL__0PNPDE20120319_211709_000042953112_00417_52586_1254.N1	19MAR2012 21:17:09	19MAR2012 22:28:44	0	0	0	0	0
12	MIP_NL__0PNPDE20120319_222743_000061563112_00417_52586_1255.N1	19MAR2012 22:27:43	20MAR2012 00:10:20	0	0	0	0	0

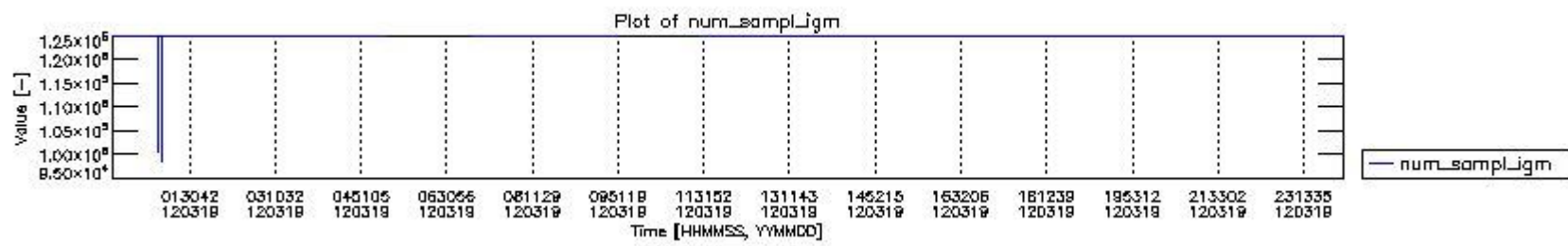
## 0.2 Instrument Operational Performance Parameters

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.

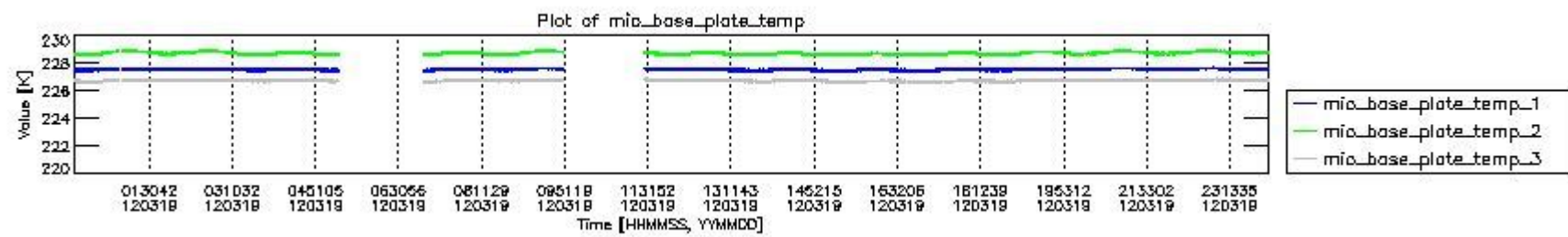
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98773	1	0.0027889335
100734	1	0.0027889335
102701	1	0.0027889335
122833	1	0.0027889335
123250	1	0.0027889335

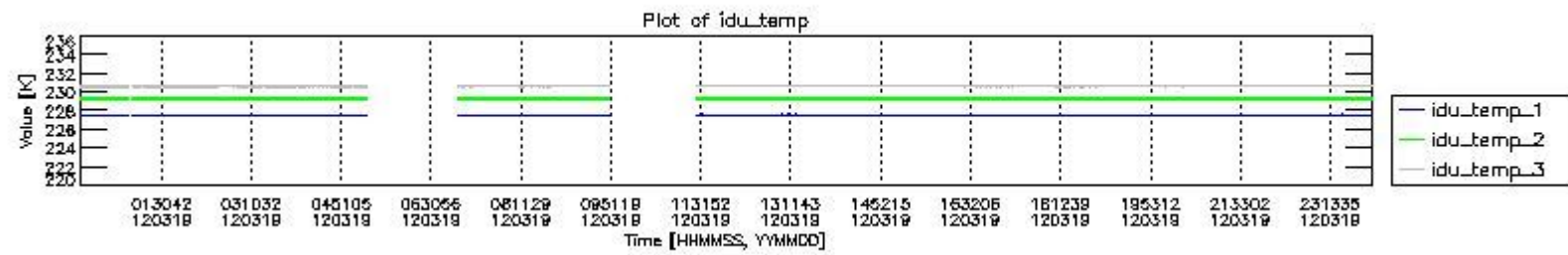
124025	1	0.0027889335
124800	33776	94.199018
124803	2074	5.7842481



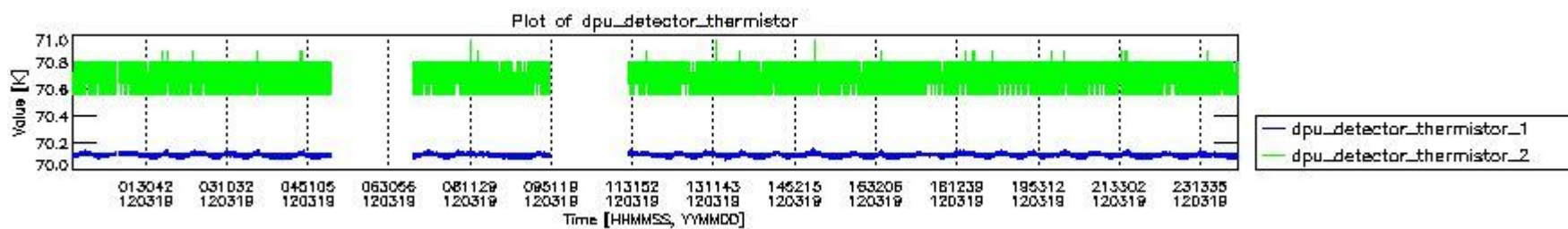
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_0.PNG



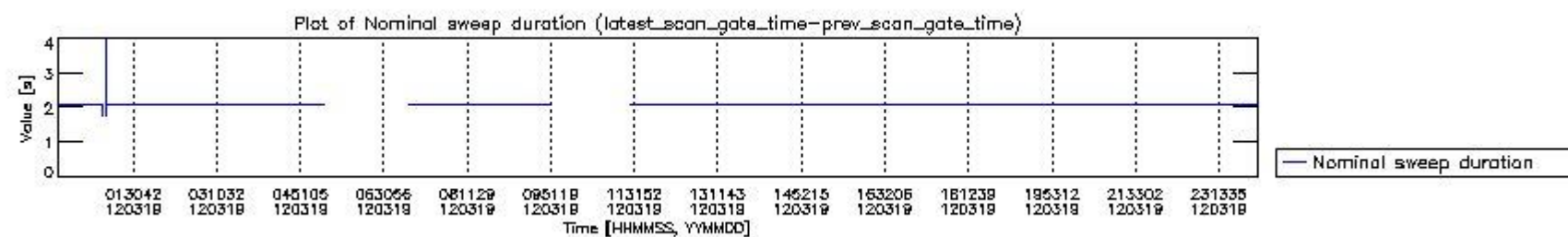
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_1.PNG



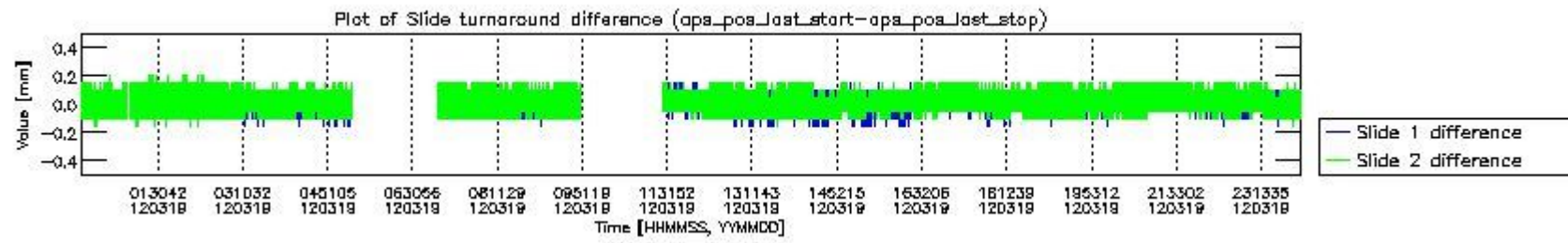
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_2.PNG



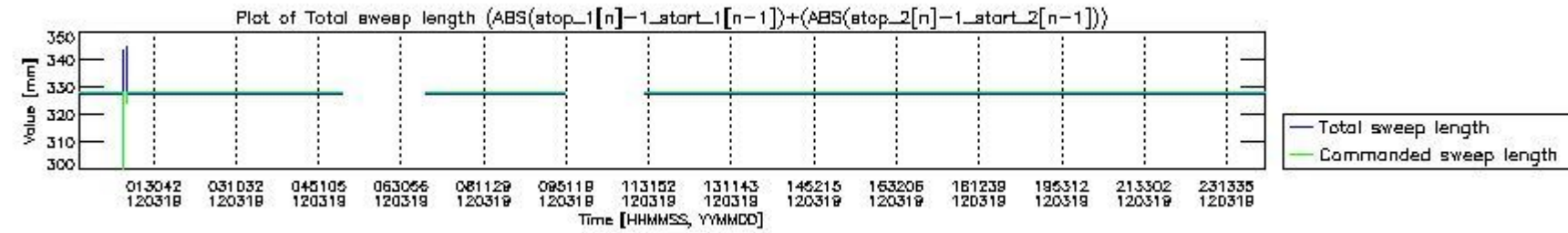
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_3.PNG



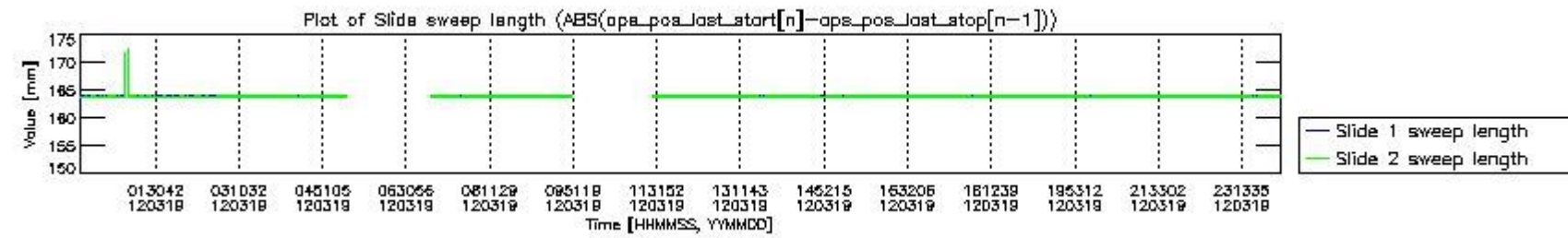
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_4.PNG



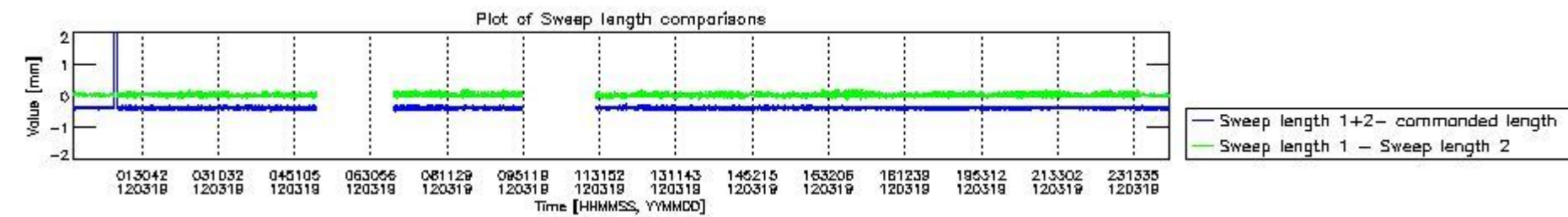
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_5.PNG



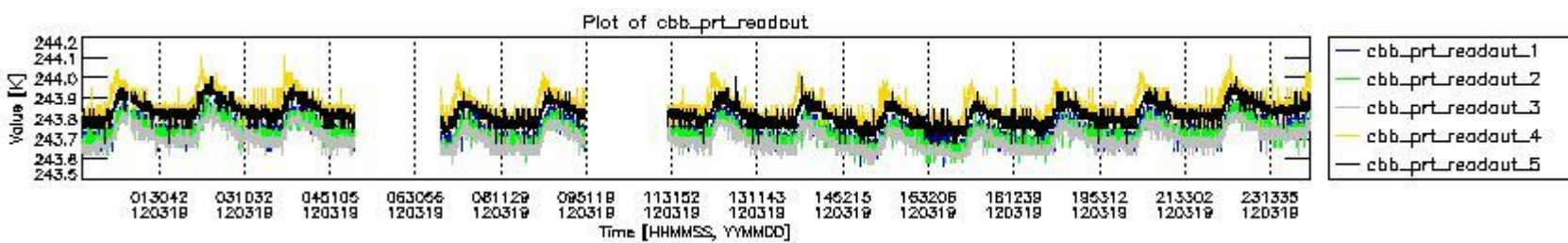
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_6.PNG



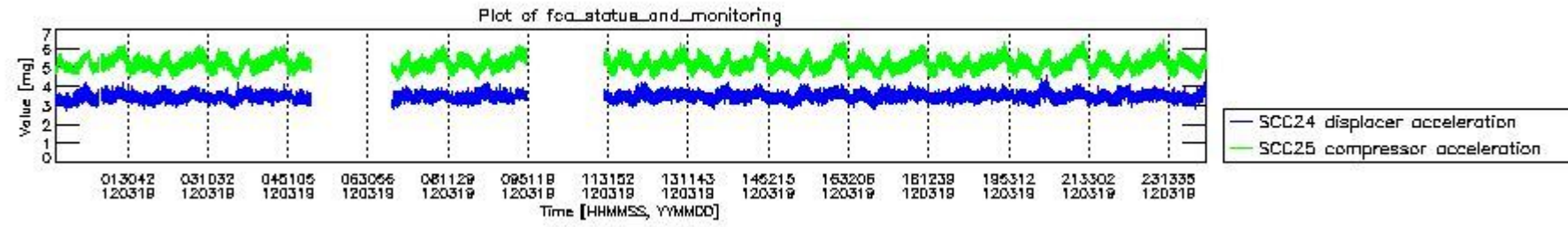
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_9.PNG



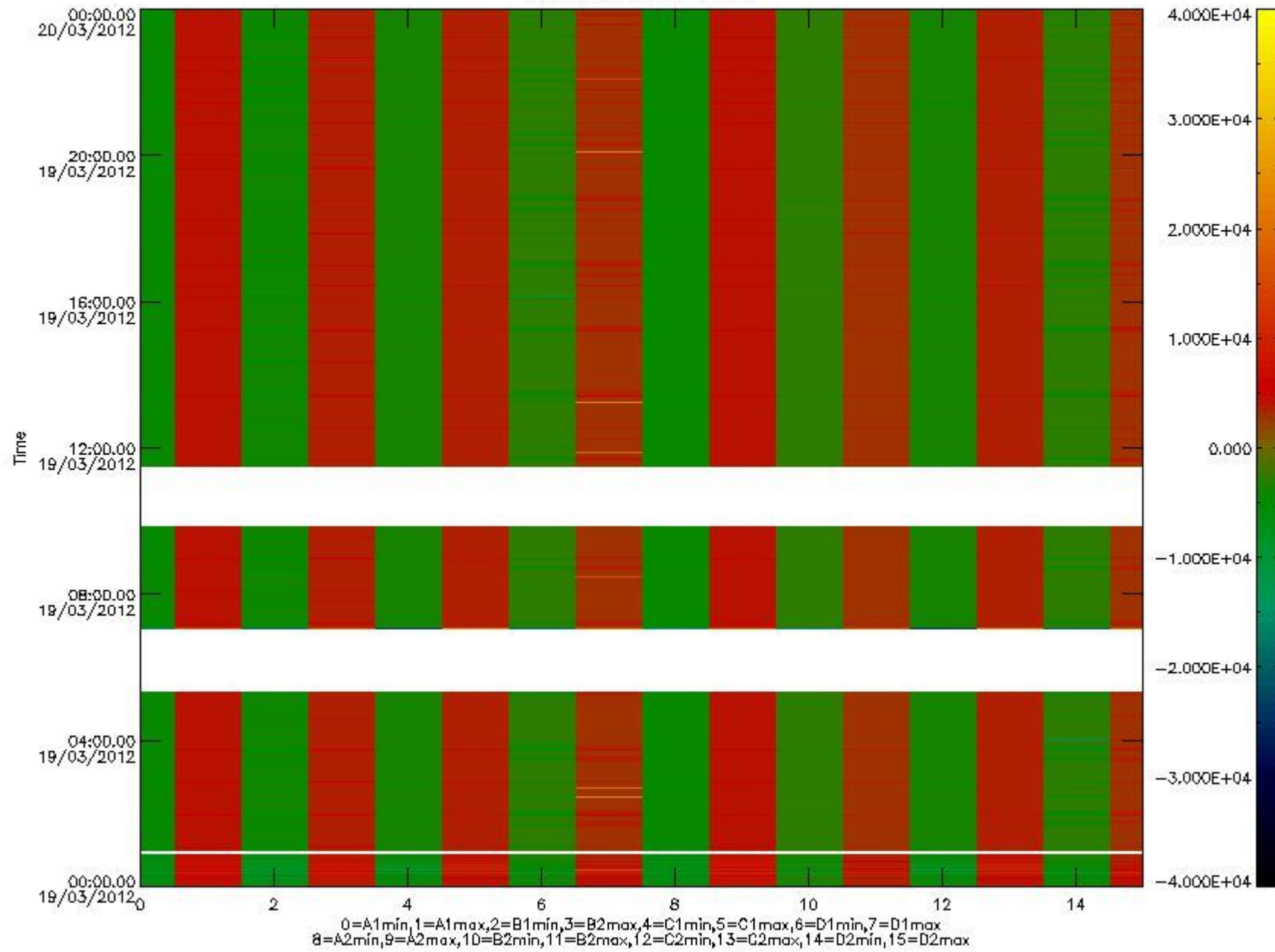
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_10.PNG

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

Channel	Min	Max	ADC
A1	-17485	18414	16bit
B1	-19678	17032	16bit
C1	-23771	23609	16bit
D1	-22155	32767	16bit
A2	-15266	18674	16bit
B2	-17429	17182	16bit
C2	-24777	24283	16bit
D2	-32768	25982	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_11.PNG

### 0.3 ADF monitoring

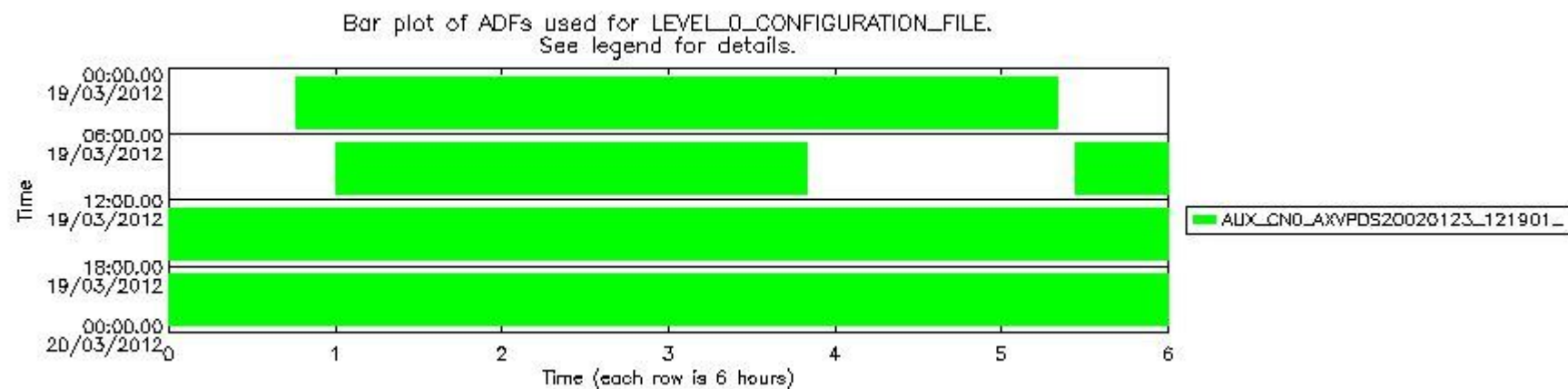
The use of ADFs is shown in two ways:

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.

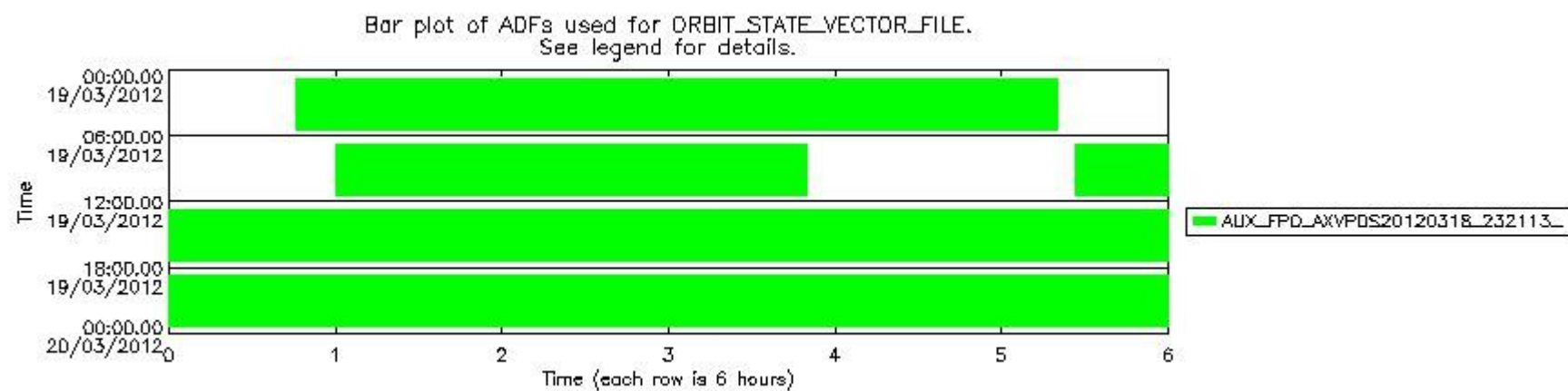
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120318_232113_20120318_195739_20120328_203106

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120319_004547_000058553112_00404_52573_1250.N1	0	1

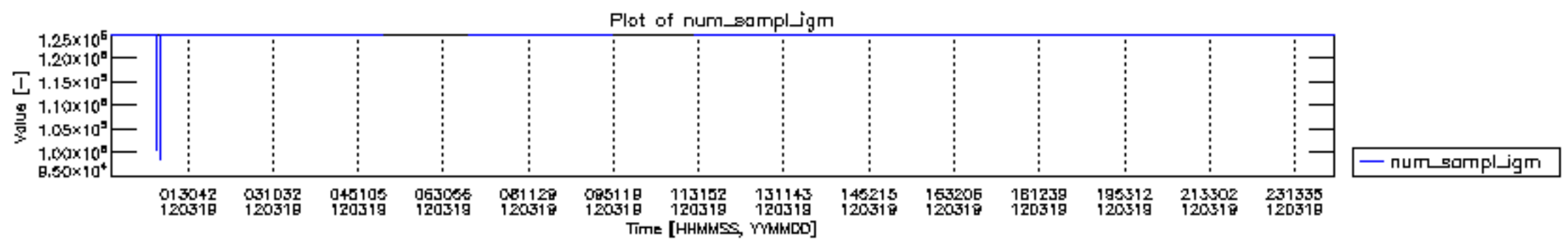
1	MIP_NL__0PNPDE20120319_022213_000045463112_00405_52574_1251.N1	0	1
2	MIP_NL__0PNPDE20120319_033725_000061443112_00406_52575_1252.N1	0	1
3	MIP_NL__0PNPDK20120319_070021_000040263112_00408_52577_8970.N1	0	1
4	MIP_NL__0PNPDK20120319_080653_000061733112_00409_52578_8971.N1	0	1
5	MIP_NL__0PNPDK20120319_112651_000059163112_00411_52580_8973.N1	0	1
6	MIP_NL__0PNPDK20120319_130349_000059183112_00412_52581_8974.N1	0	1
7	MIP_NL__0PNPDK20120319_144047_000060443112_00413_52582_8975.N1	0	1
8	MIP_NL__0PNPDK20120319_162005_000059773112_00414_52583_8976.N1	0	1
9	MIP_NL__0PNPDK20120319_175841_000058563112_00415_52584_8977.N1	0	1
10	MIP_NL__0PNPDK20120319_193541_000061443112_00416_52585_8978.N1	0	1
11	MIP_NL__0PNPDE20120319_211709_000042953112_00417_52586_1254.N1	0	1
12	MIP_NL__0PNPDE20120319_222743_000061563112_00417_52586_1255.N1	0	1

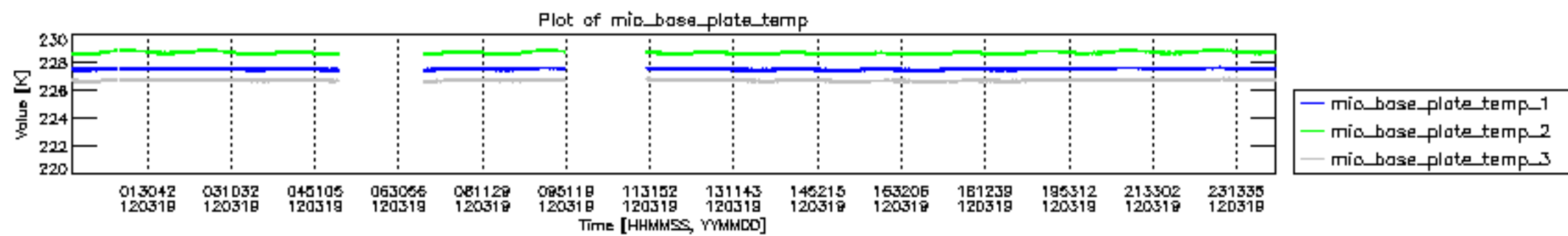


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_12.PNG

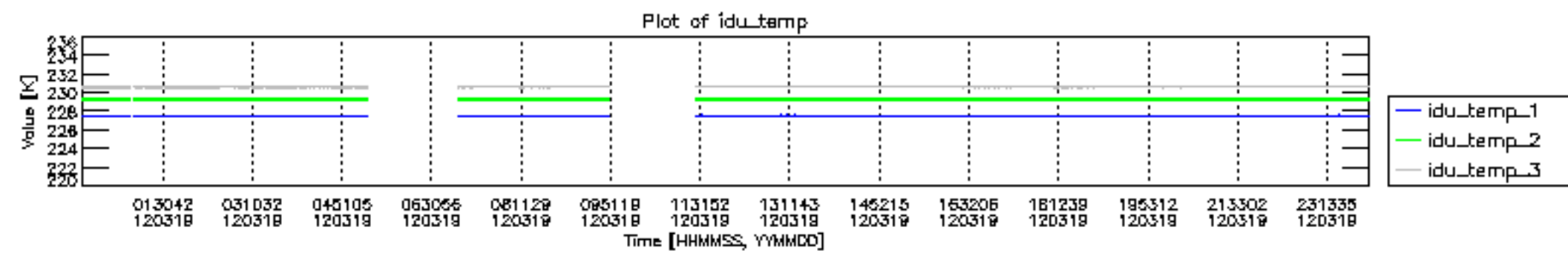


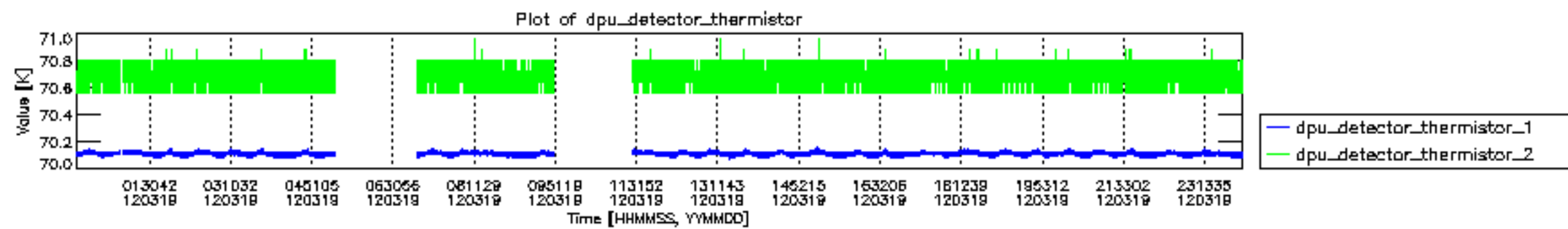
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120319\_13.PNG

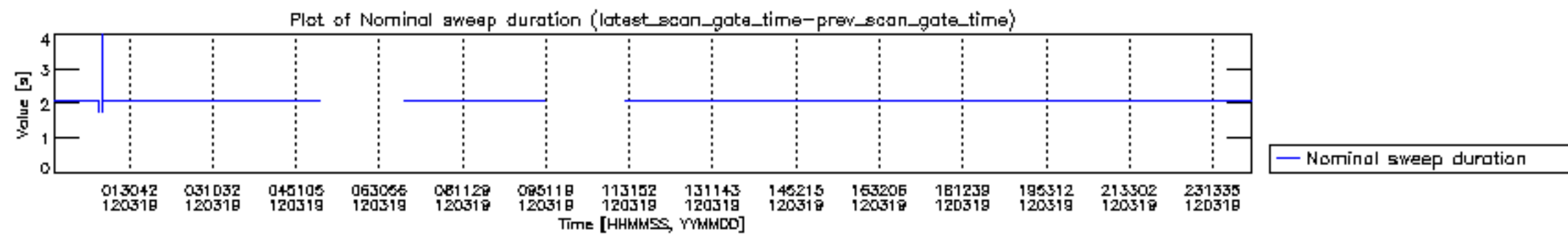


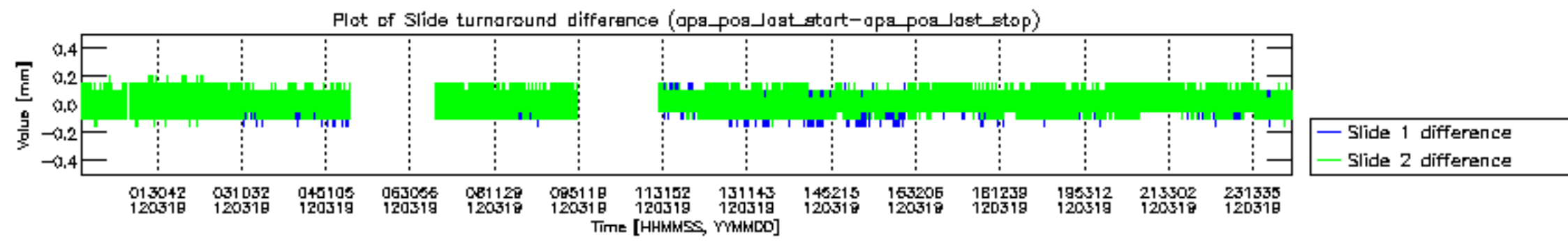


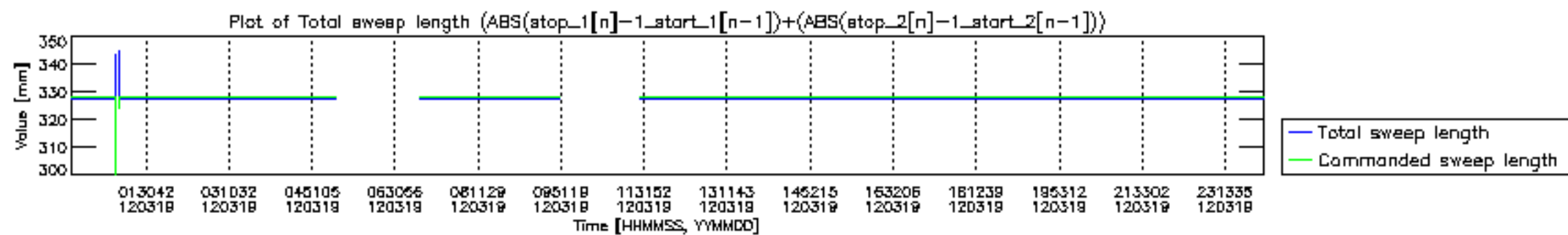




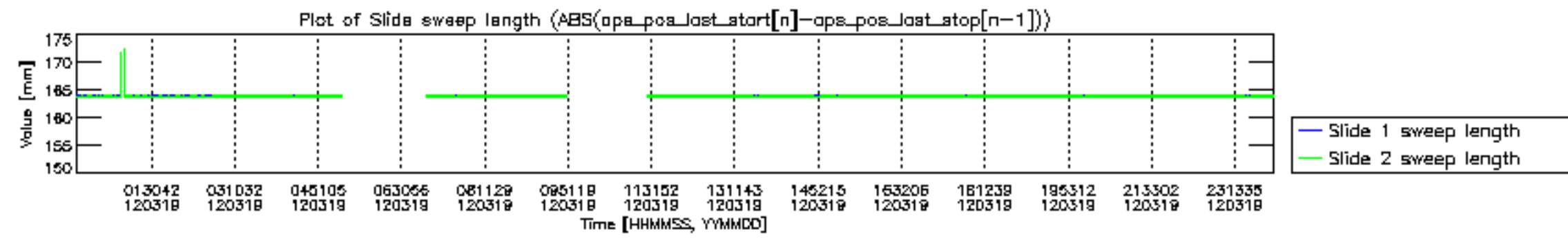


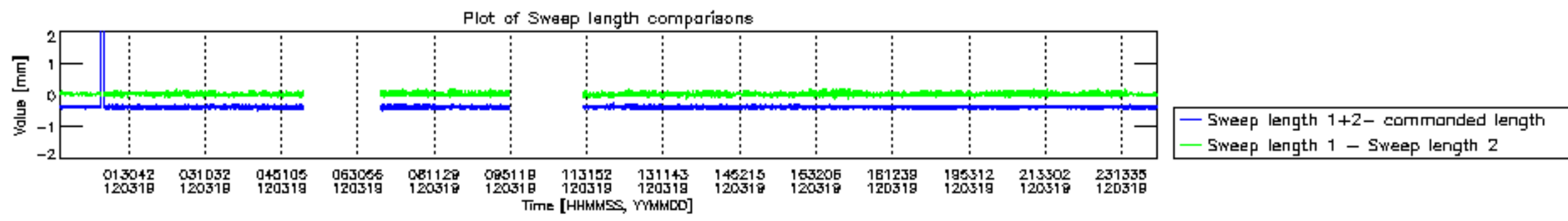


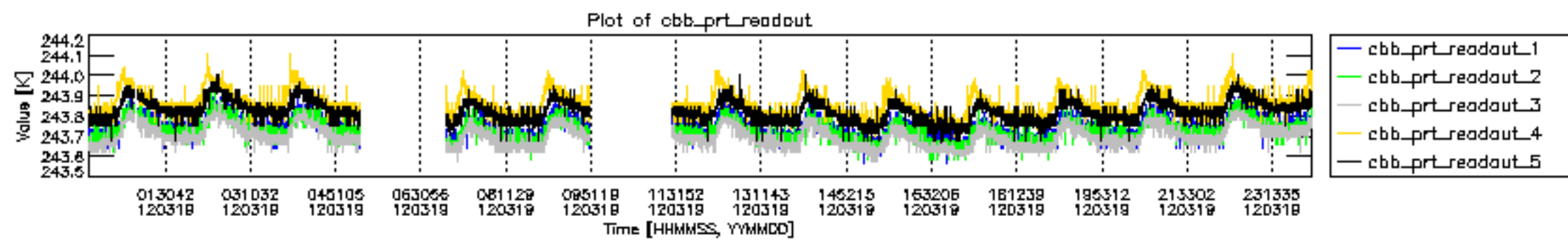


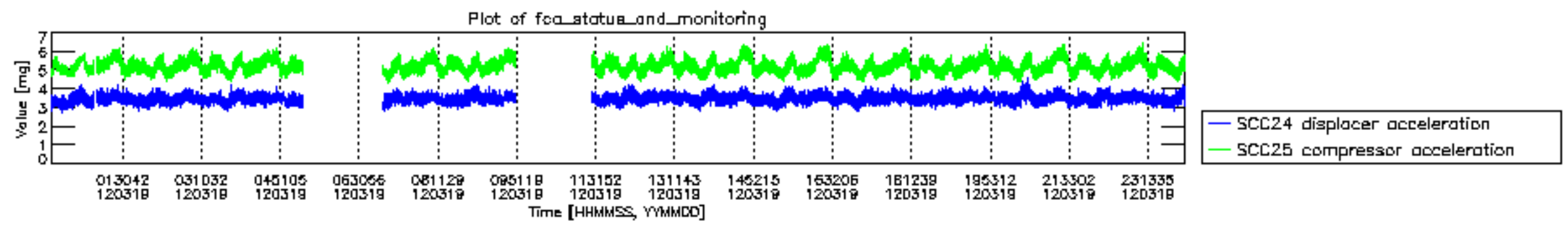












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

