

## 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	31MAR2012 05:25:03
Data source version	KSPT_L0/4504-N
Processing scope for products	26MAR2012 00:00:00 to 27MAR2012 00:00:00
Start time of first product within scope	26MAR2012 01:29:28
Stop time of last product within scope	27MAR2012 00:55:00
Total number of level 0 products	15
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__OPNPDE20120326_012928_000102863113_00074_52674_1295.N1	26MAR2012 01:29:28	26MAR2012 04:20:54	0	0	0	0	0
1	MIP_NL__OPNPDE20120326_021238_000076963113_00075_52675_5999.N1	26MAR2012 02:12:38	26MAR2012 04:20:54	0	0	0	0	0
2	MIP_NL__OPNPDE20120326_042021_000062323113_00076_52676_1296.N1	26MAR2012 04:20:21	26MAR2012 06:04:13	0	0	0	0	0
3	MIP_NL__OPNPDK20120326_060339_000040843113_00077_52677_9033.N1	26MAR2012 06:03:39	26MAR2012 07:11:43	0	0	0	0	0
4	MIP_NL__OPNPDK20120326_071110_000061173113_00078_52678_9034.N1	26MAR2012 07:11:10	26MAR2012 08:53:07	1	0	1	0	0
5	MIP_NL__OPNPDK20120326_085233_000059843113_00079_52679_9035.N1	26MAR2012 08:52:33	26MAR2012 10:32:17	0	0	0	0	0
6	MIP_NL__OPNPDK20120326_103133_000059853113_00080_52680_9036.N1	26MAR2012 10:31:33	26MAR2012 12:11:18	0	0	0	0	0
7	MIP_NL__OPNPDK20120326_121034_000059543113_00081_52681_9037.N1	26MAR2012 12:10:34	26MAR2012 13:49:48	0	0	0	0	0
8	MIP_NL__OPNPDK20120326_134908_000059023113_00082_52682_9038.N1	26MAR2012 13:49:08	26MAR2012 15:27:30	0	0	0	0	0
9	MIP_NL__OPNPDK20120326_152556_000060213113_00083_52683_9039.N1	26MAR2012 15:25:56	26MAR2012 17:06:17	0	0	0	0	0
10	MIP_NL__OPNPDK20120326_170441_000057933113_00084_52684_9040.N1	26MAR2012 17:04:41	26MAR2012 18:41:13	0	0	0	0	0
11	MIP_NL__OPNPDK20120326_184011_000061313113_00085_52685_9041.N1	26MAR2012 18:40:11	26MAR2012 20:22:22	0	0	0	0	0
12	MIP_NL__OPNPDE20120326_202044_000042783113_00086_52686_1297.N1	26MAR2012 20:20:44	26MAR2012 21:32:02	0	0	0	0	0
13	MIP_NL__OPNPDE20120326_213102_000062383113_00086_52686_1298.N1	26MAR2012 21:31:02	26MAR2012 23:15:00	0	0	0	0	0
14	MIP_NL__OPNPDE20120326_231403_000060563113_00087_52687_1299.N1	26MAR2012 23:14:03	27MAR2012 00:55:00	0	0	0	0	0

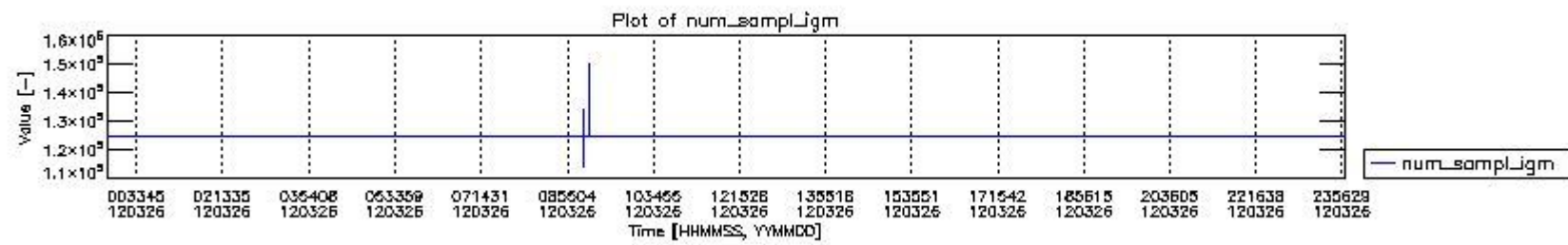
## 0.2 Instrument Operational Performance Parameters

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.

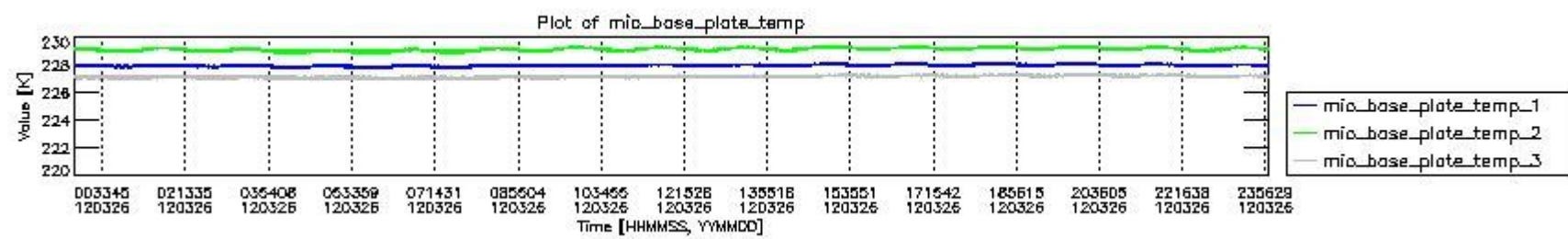
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
114149	1	0.0024054074
123630	1	0.0024054074
124800	38614	92.882400

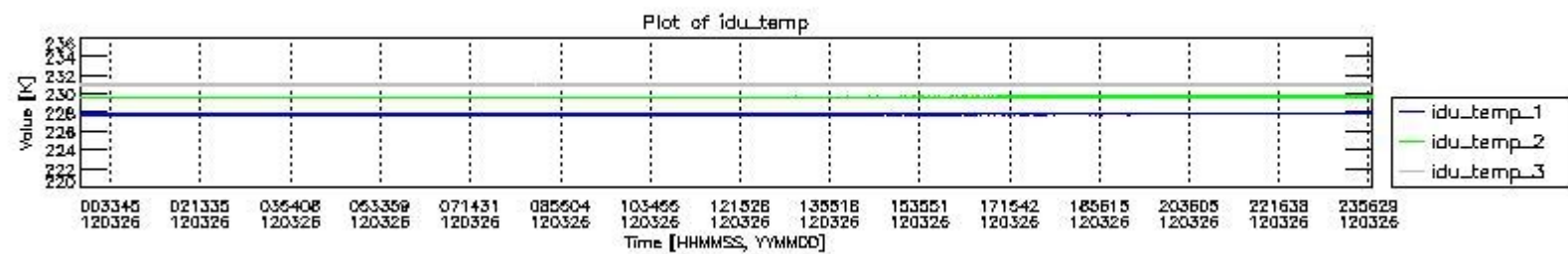
124803	2953	7.1031679
127382	1	0.0024054074
134281	1	0.0024054074
147514	1	0.0024054074
150096	1	0.0024054074



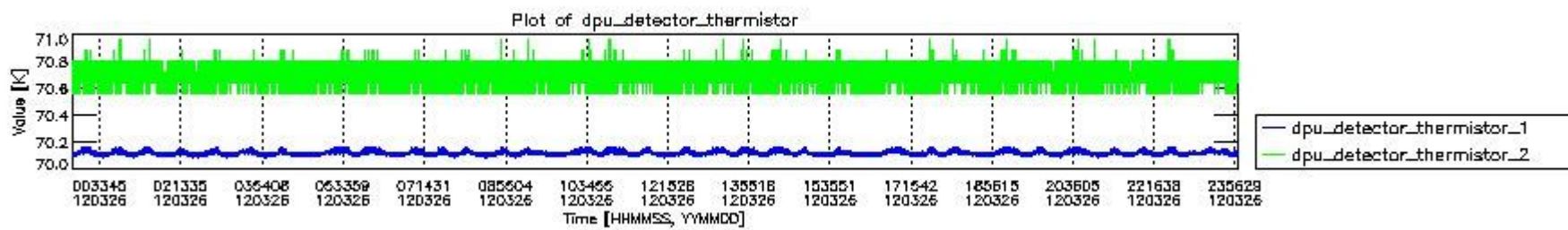
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_0.PNG



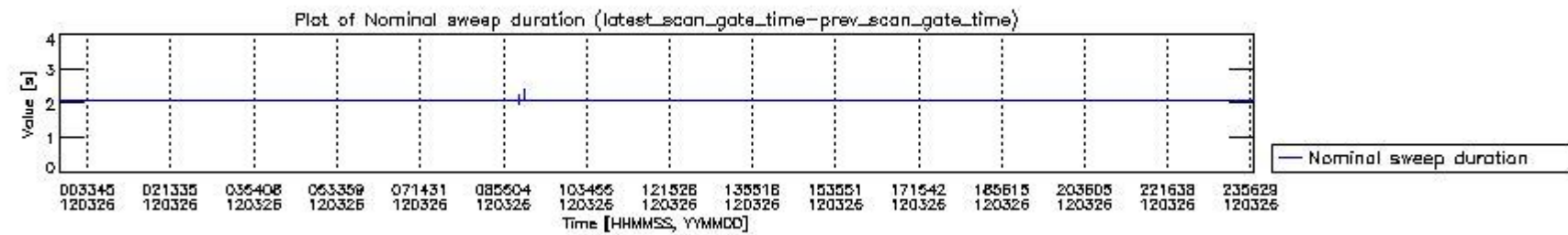
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_1.PNG



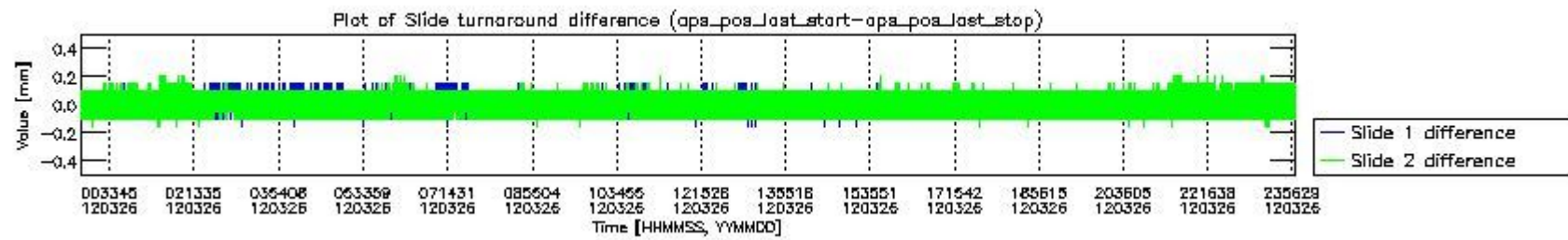
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_2.PNG



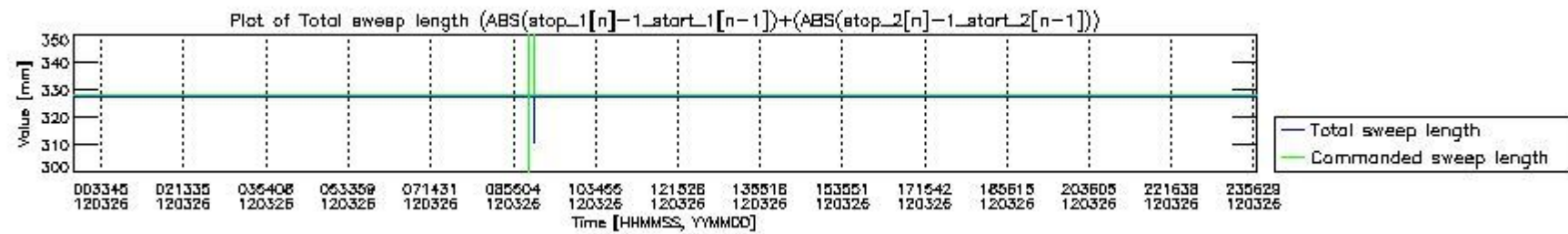
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_3.PNG



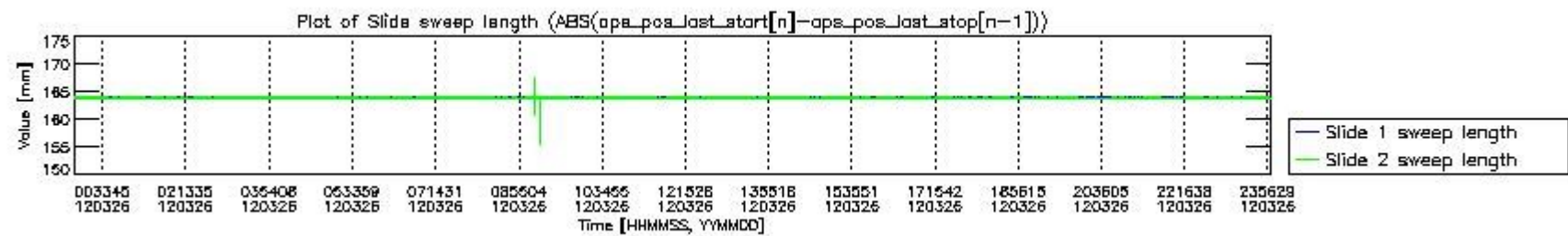
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_4.PNG



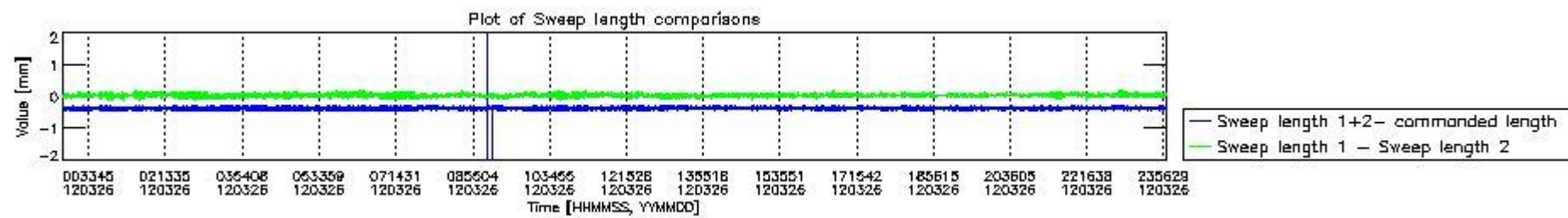
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_5.PNG



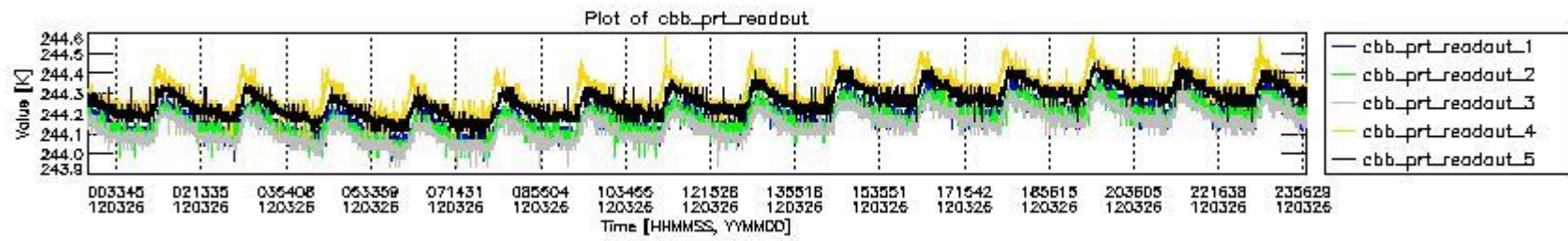
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_6.PNG



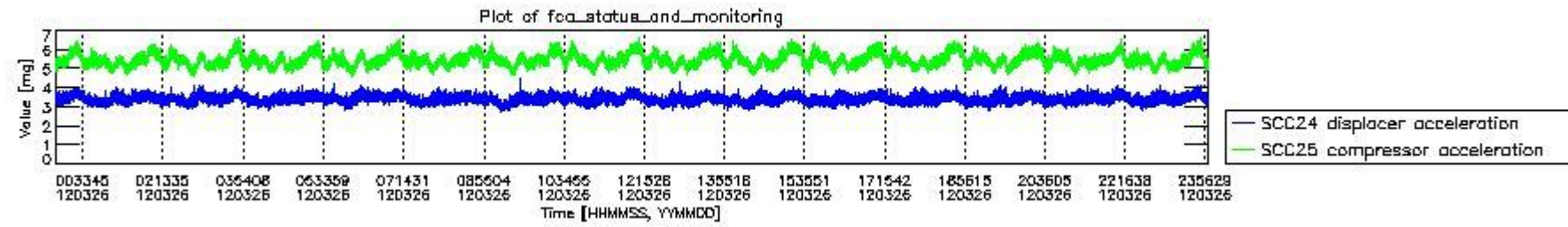
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_9.PNG



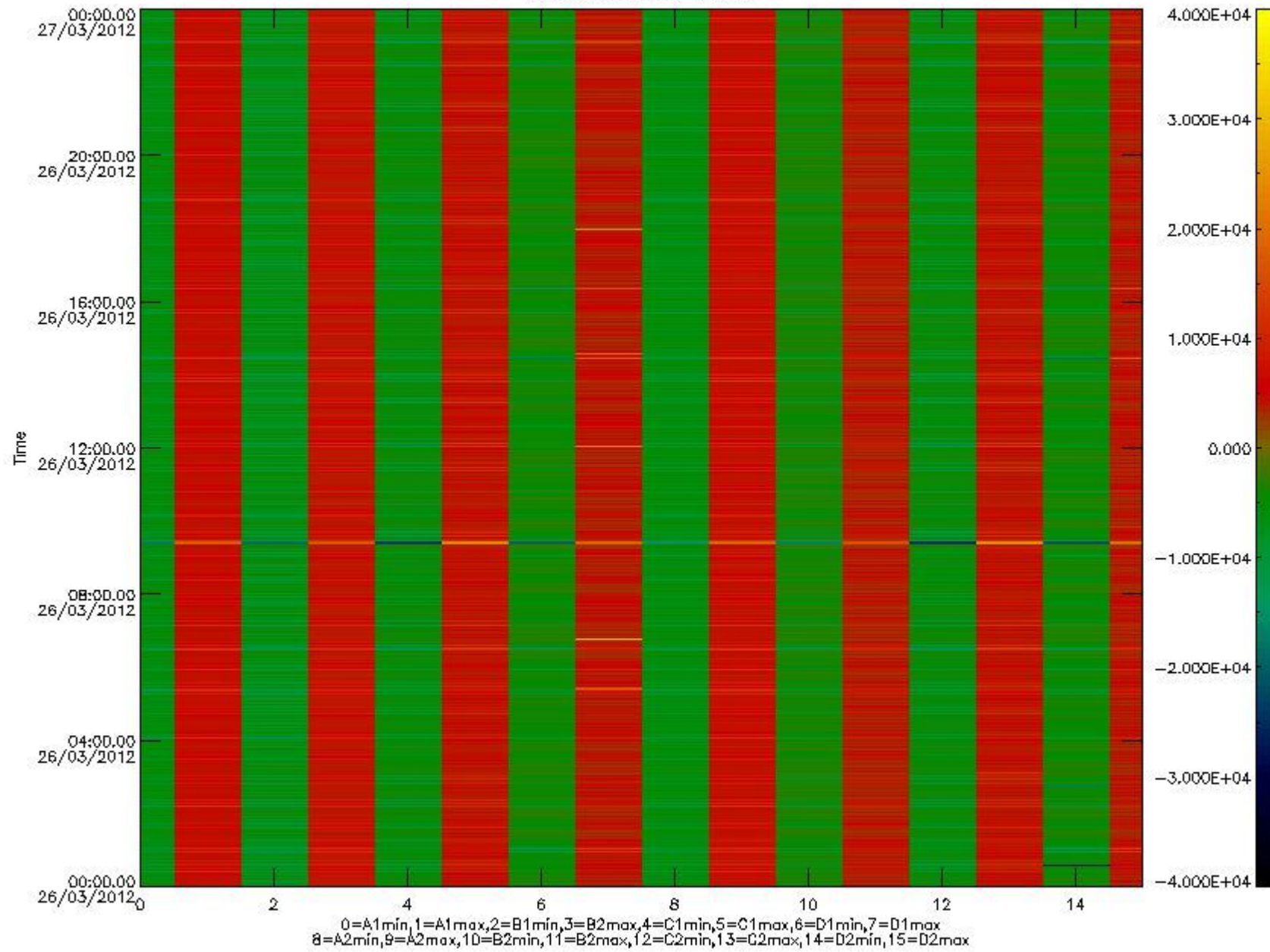
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_10.PNG

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

Channel	Min	Max	ADC
A1	-17558	18507	16bit
B1	-19896	17205	16bit
C1	-24208	24037	16bit
D1	-32768	32767	16bit
A2	-15333	18773	16bit
B2	-17652	17410	16bit
C2	-25212	25297	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\_20120326\_11.PNG

### 0.3 ADF monitoring

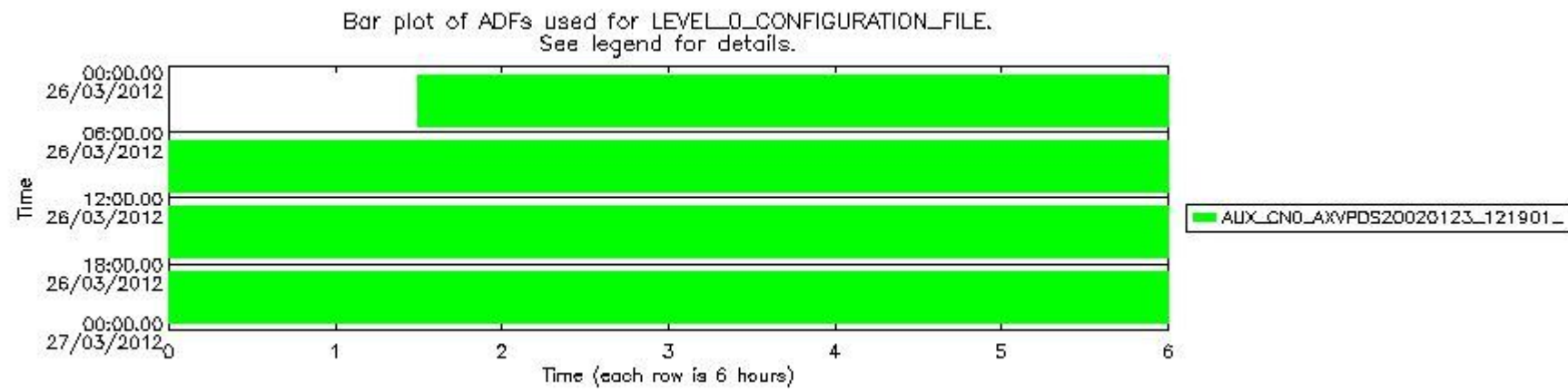
The use of ADFs is shown in two ways:

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.

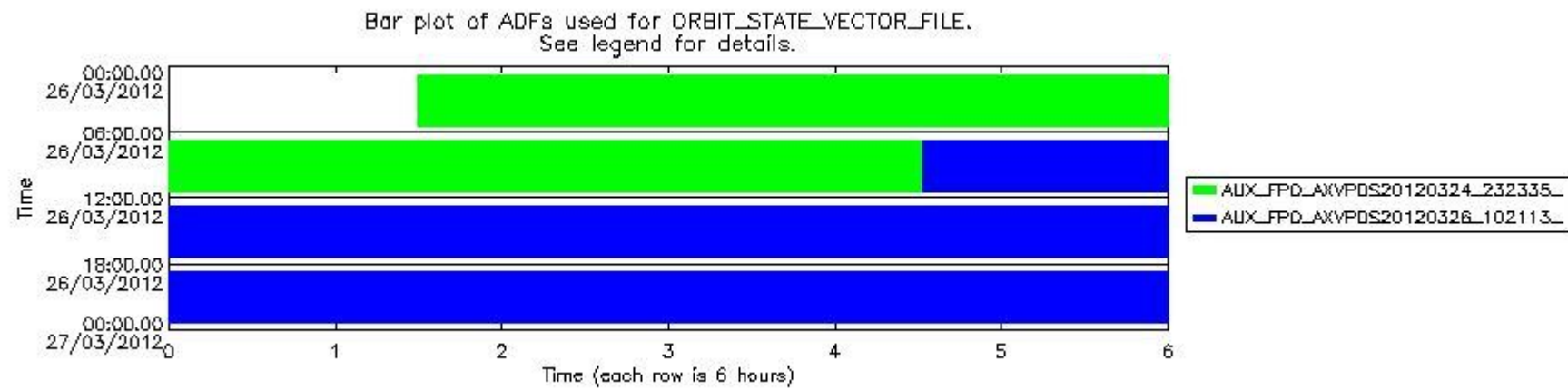
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120324_232335_20120324_193738_20120403_201104
2	AUX_FPO_AXVPDS20120326_102113_20120325_190053_20120404_211433

Number	Product name	#CN0	#FPO
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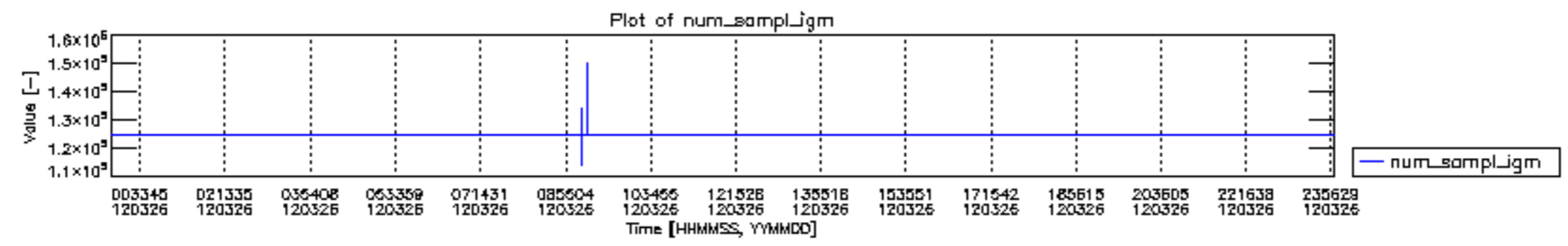
0	MIP_NL__0PNPDE20120326_012928_000102863113_00074_52674_1295.N1	0	1
1	MIP_NL__0PNPDE20120326_021238_000076963113_00075_52675_5999.N1	0	1
2	MIP_NL__0PNPDE20120326_042021_000062323113_00076_52676_1296.N1	0	1
3	MIP_NL__0PNPDK20120326_060339_000040843113_00077_52677_9033.N1	0	1
4	MIP_NL__0PNPDK20120326_071110_000061173113_00078_52678_9034.N1	0	1
5	MIP_NL__0PNPDK20120326_085233_000059843113_00079_52679_9035.N1	0	1
6	MIP_NL__0PNPDK20120326_103133_000059853113_00080_52680_9036.N1	0	2
7	MIP_NL__0PNPDK20120326_121034_000059543113_00081_52681_9037.N1	0	2
8	MIP_NL__0PNPDK20120326_134908_000059023113_00082_52682_9038.N1	0	2
9	MIP_NL__0PNPDK20120326_152556_000060213113_00083_52683_9039.N1	0	2
10	MIP_NL__0PNPDK20120326_170441_000057933113_00084_52684_9040.N1	0	2
11	MIP_NL__0PNPDK20120326_184011_000061313113_00085_52685_9041.N1	0	2
12	MIP_NL__0PNPDE20120326_202044_000042783113_00086_52686_1297.N1	0	2
13	MIP_NL__0PNPDE20120326_213102_000062383113_00086_52686_1298.N1	0	2
14	MIP_NL__0PNPDE20120326_231403_000060563113_00087_52687_1299.N1	0	2

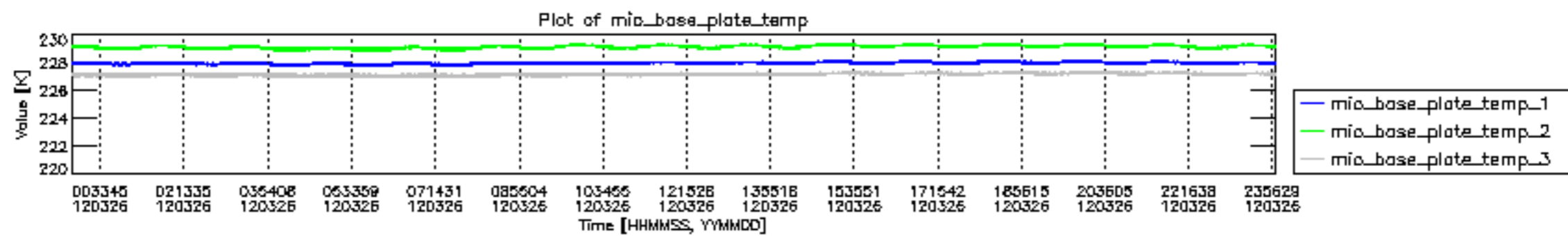


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_12.PNG

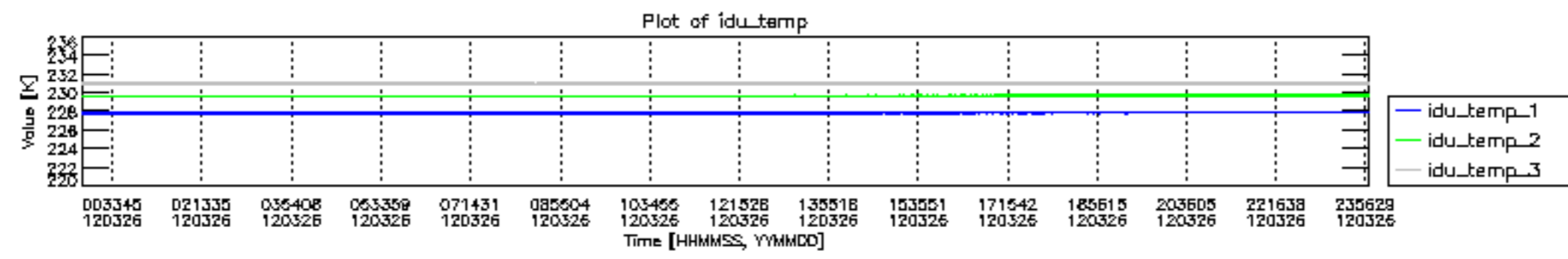


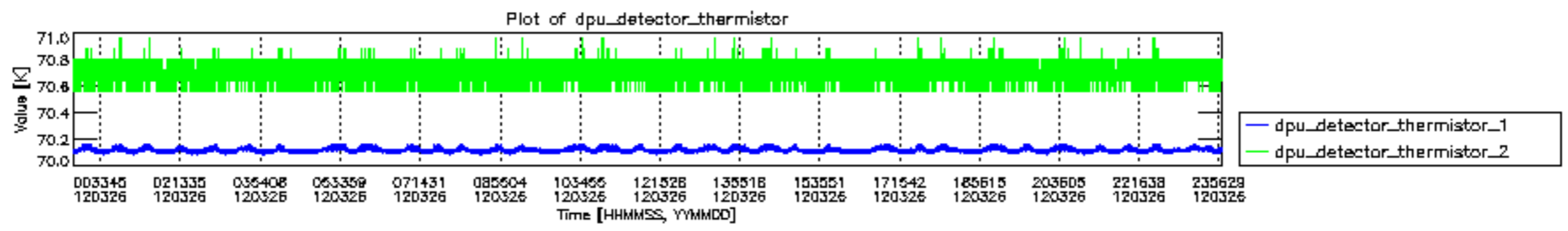
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120326\_13.PNG

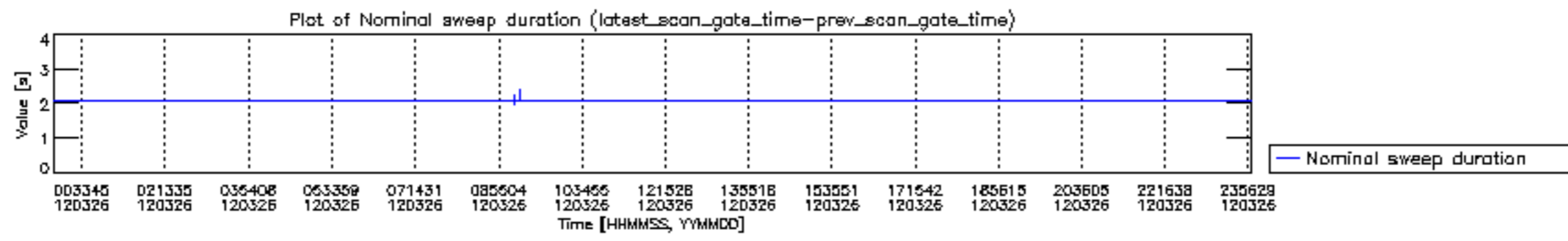


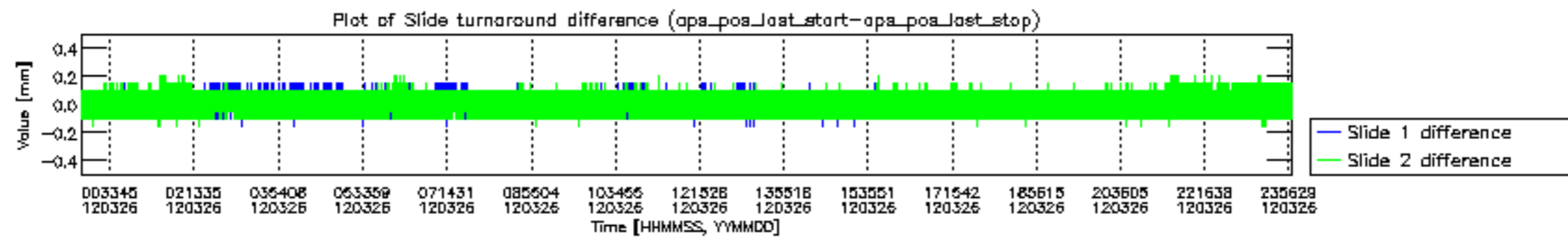


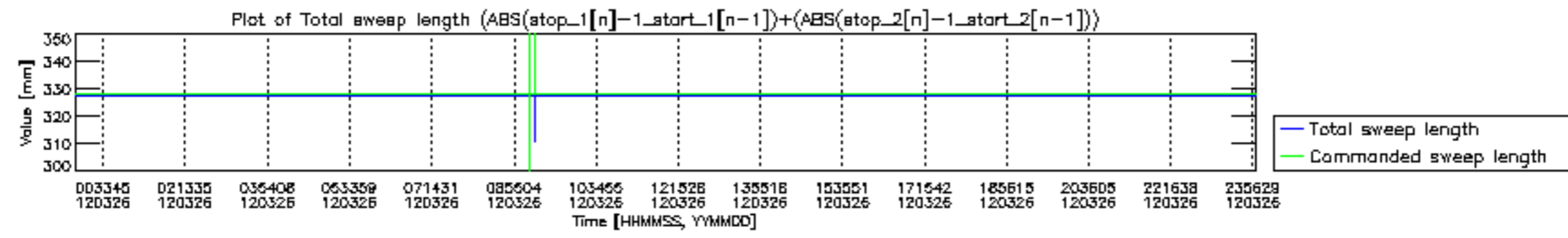




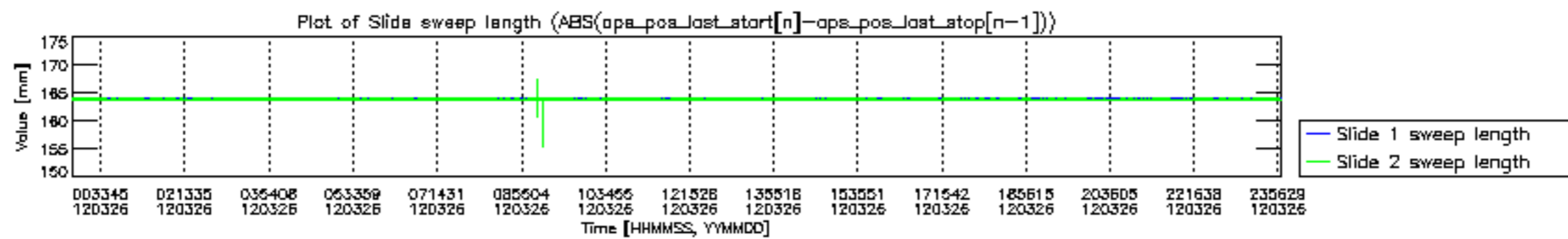


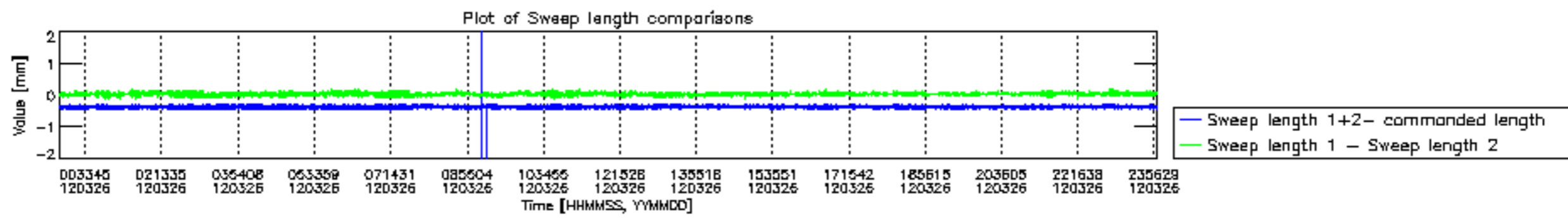


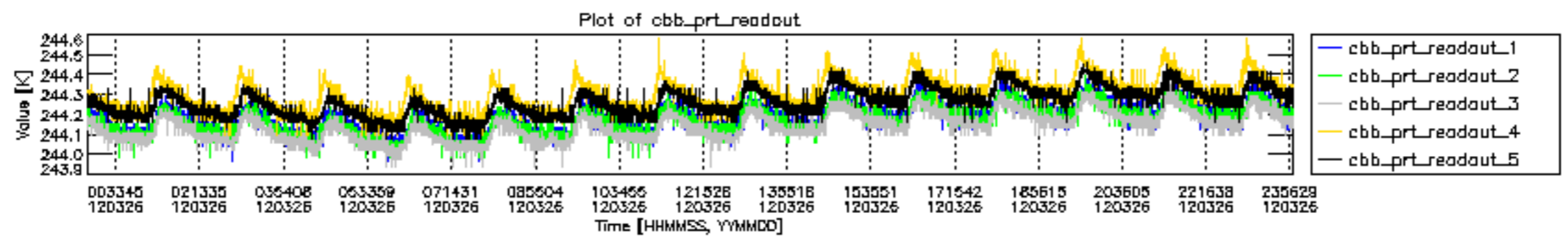


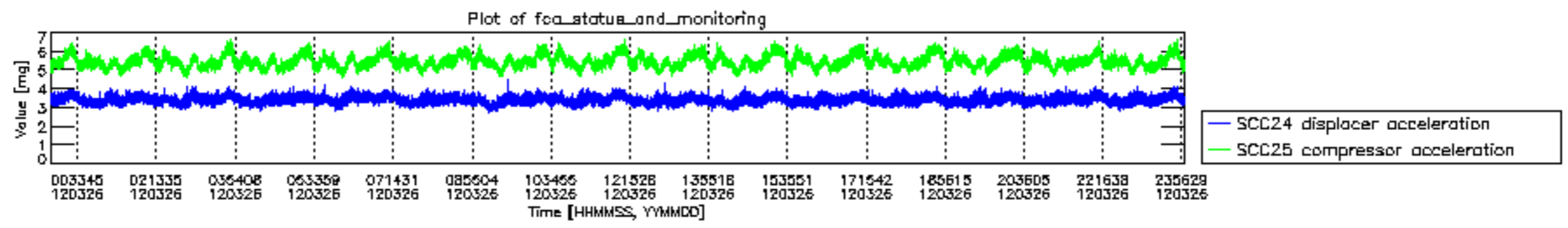












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





