

## 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	02APR2012 05:24:48
Data source version	KSPT_L0/4504-N
Processing scope for products	28MAR2012 00:00:00 to 29MAR2012 00:00:00
Start time of first product within scope	28MAR2012 00:17:03
Stop time of last product within scope	29MAR2012 01:28:11
Total number of level 0 products	17
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__0PNPDE20120328_001703_000059413113_00102_52702_1307.N1	28MAR2012 00:17:03	28MAR2012 01:56:05	0	0	0	0	0
1	MIP_NL__0PNPDE20120328_015502_000044123113_00103_52703_1308.N1	28MAR2012 01:55:02	28MAR2012 03:08:34	0	0	0	0	0
2	MIP_NL__0PNPDE20120328_030801_000061753113_00104_52704_1309.N1	28MAR2012 03:08:01	28MAR2012 04:50:56	0	0	0	0	0
3	MIP_NL__0PNPDE20120328_045022_000059713113_00105_52705_1310.N1	28MAR2012 04:50:22	28MAR2012 06:29:53	0	0	0	0	0
4	MIP_NL__0PNPDK20120328_062920_000041243113_00106_52706_9050.N1	28MAR2012 06:29:20	28MAR2012 07:38:03	0	0	0	0	0
5	MIP_NL__0PNPDK20120328_073730_000061423113_00107_52707_9051.N1	28MAR2012 07:37:30	28MAR2012 09:19:52	0	0	0	0	0
6	MIP_NL__0PNPDK20120328_091908_000059723113_00108_52708_9052.N1	28MAR2012 09:19:08	28MAR2012 10:58:40	0	0	0	0	0
7	MIP_NL__0PNPDK20120328_105758_000059293113_00109_52709_9053.N1	28MAR2012 10:57:58	28MAR2012 12:36:47	0	0	0	0	0
8	MIP_NL__0PNPDK20120328_123613_000059083113_00110_52710_9054.N1	28MAR2012 12:36:13	28MAR2012 14:14:41	0	0	0	0	0
9	MIP_NL__0PNPDK20120328_141309_000059313113_00111_52711_9055.N1	28MAR2012 14:13:09	28MAR2012 15:52:00	0	0	0	0	0
10	MIP_NL__0PNPDK20120328_155026_000059753113_00112_52712_9056.N1	28MAR2012 15:50:26	28MAR2012 17:30:00	0	0	0	0	0
11	MIP_NL__0PNPDK20120328_172902_000058453113_00113_52713_9057.N1	28MAR2012 17:29:02	28MAR2012 19:06:27	0	0	0	0	0
12	MIP_NL__0PNPDK20120328_190529_000061333113_00114_52714_9058.N1	28MAR2012 19:05:29	28MAR2012 20:47:42	0	0	0	0	0
13	MIP_NL__0PNPDE20120328_204629_000054383113_00115_52715_1311.N1	28MAR2012 20:46:29	28MAR2012 22:17:07	0	0	0	0	0
14	MIP_NL__0PNPDE20120328_221038_000003893113_00115_52715_6019.N1	28MAR2012 22:10:38	28MAR2012 22:17:07	0	0	0	0	0
15	MIP_NL__0PNPDE20120328_221602_000057553113_00116_52716_1312.N1	28MAR2012 22:16:02	28MAR2012 23:51:57	0	0	0	0	0
16	MIP_NL__0PNPDE20120328_235052_000058393113_00116_52716_1313.N1	28MAR2012 23:50:52	29MAR2012 01:28:11	0	0	0	0	0

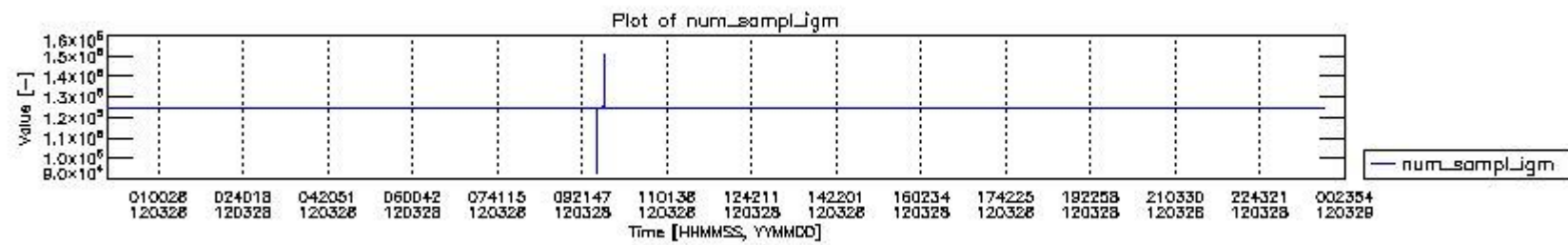
## 0.2 Instrument Operational Performance Parameters

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.

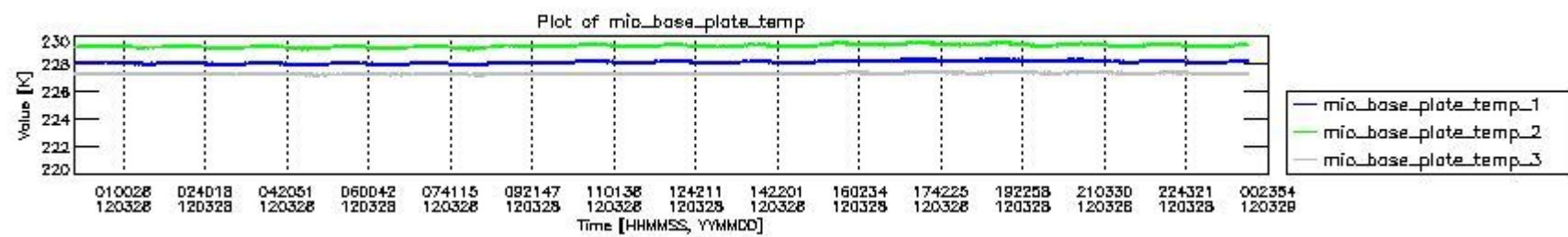
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92704	1	0.0023946934

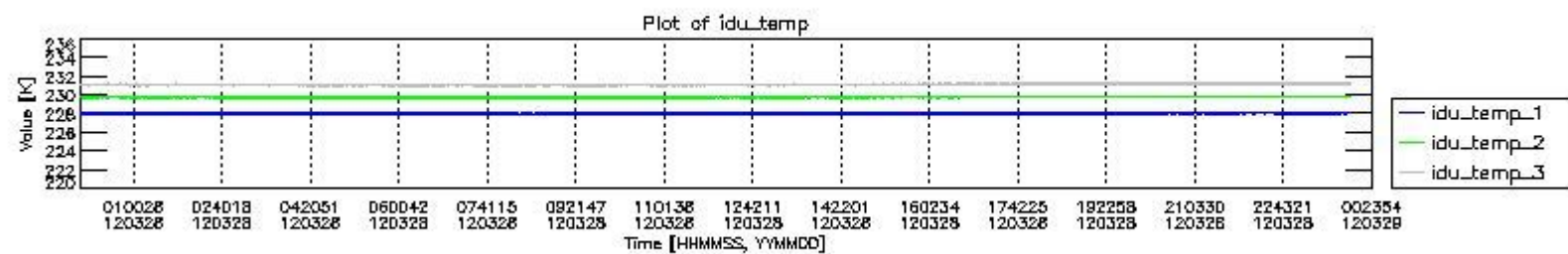
98686	1	0.0023946934
118818	1	0.0023946934
124800	38792	92.894945
124803	2961	7.0906870
127456	1	0.0023946934
147588	1	0.0023946934
150244	1	0.0023946934



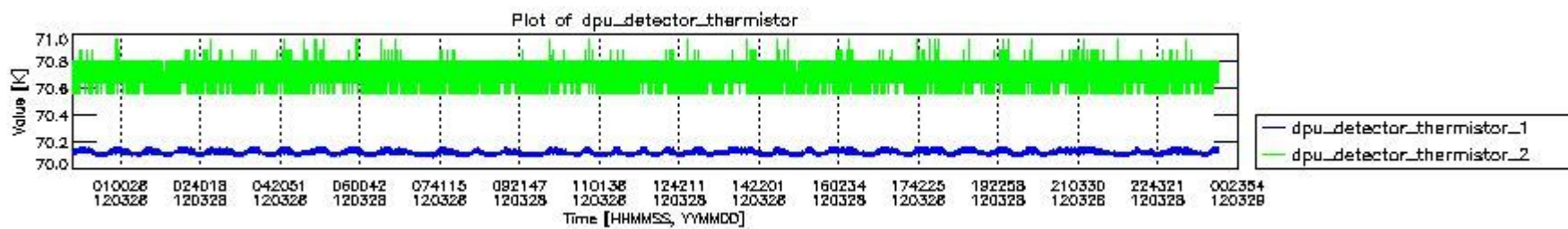
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_0.PNG



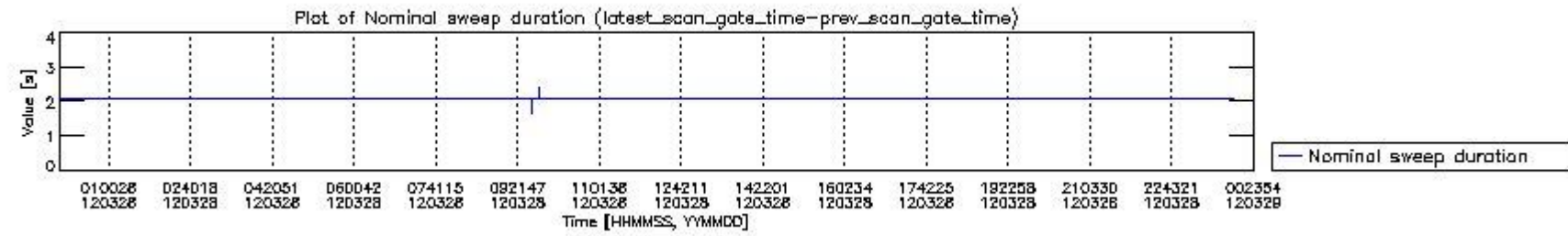
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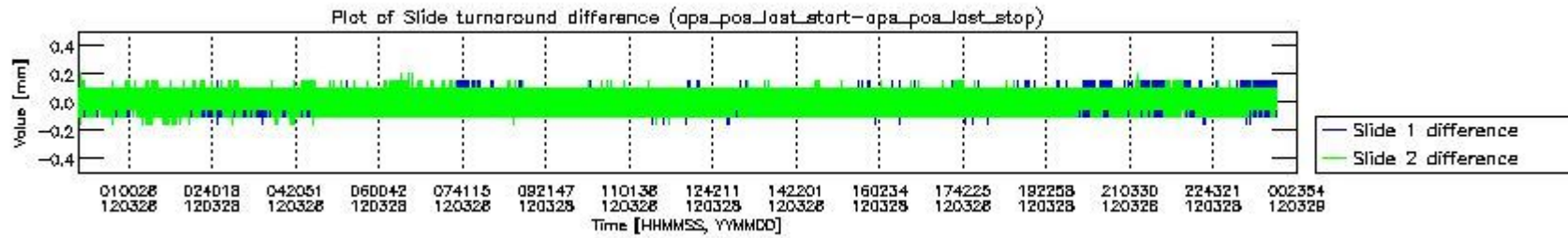
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_2.PNG



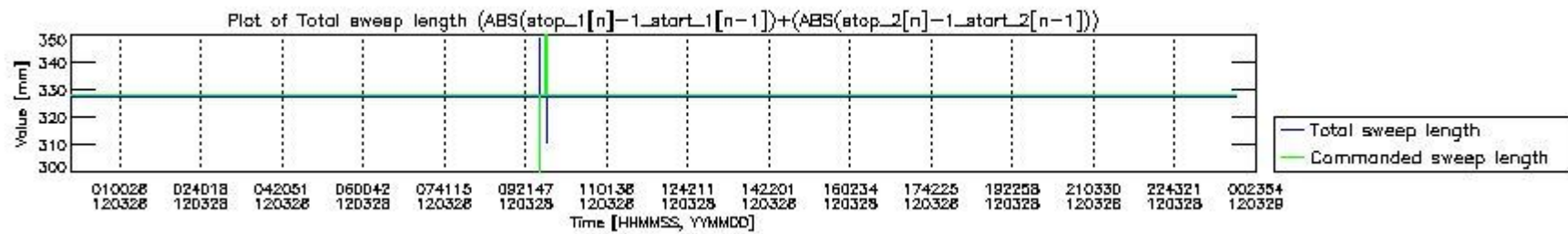
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_3.PNG



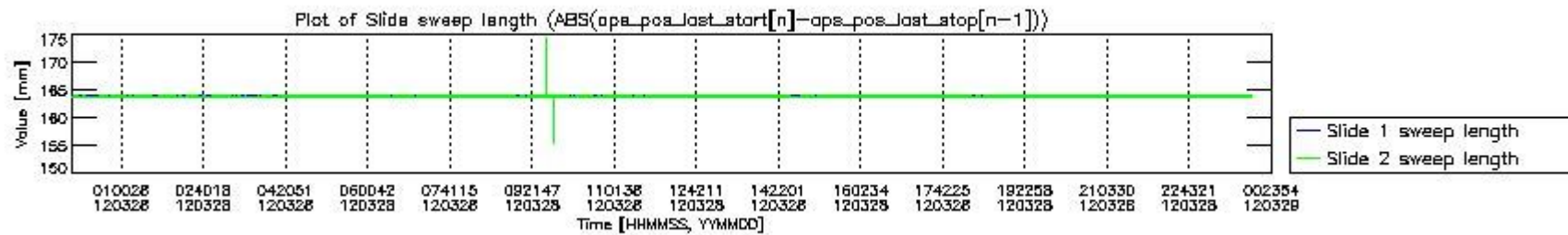
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_4.PNG



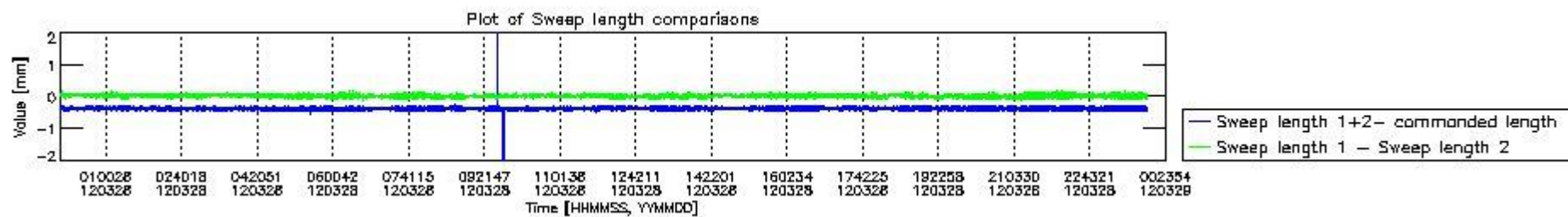
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_5.PNG



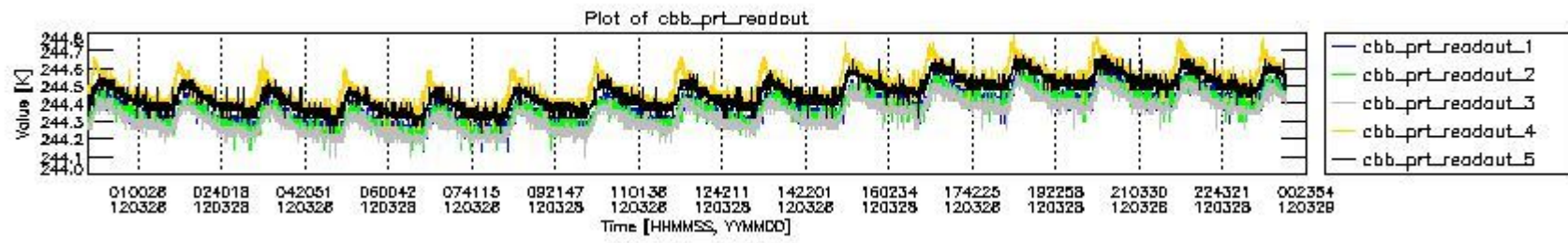
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_6.PNG



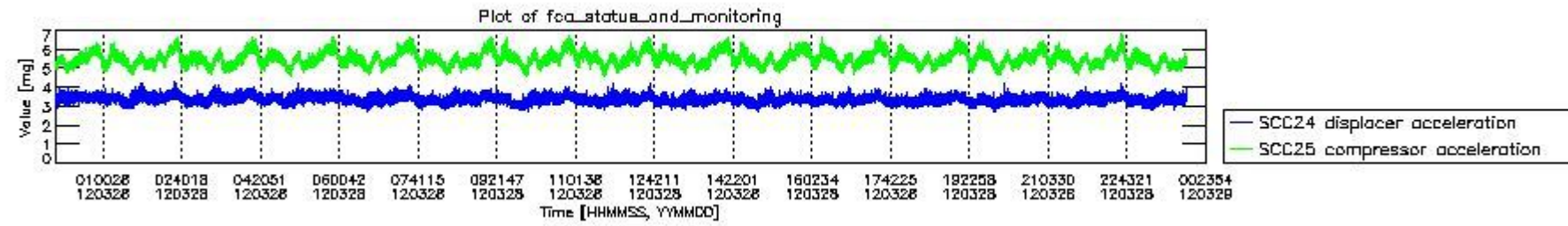
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_9.PNG

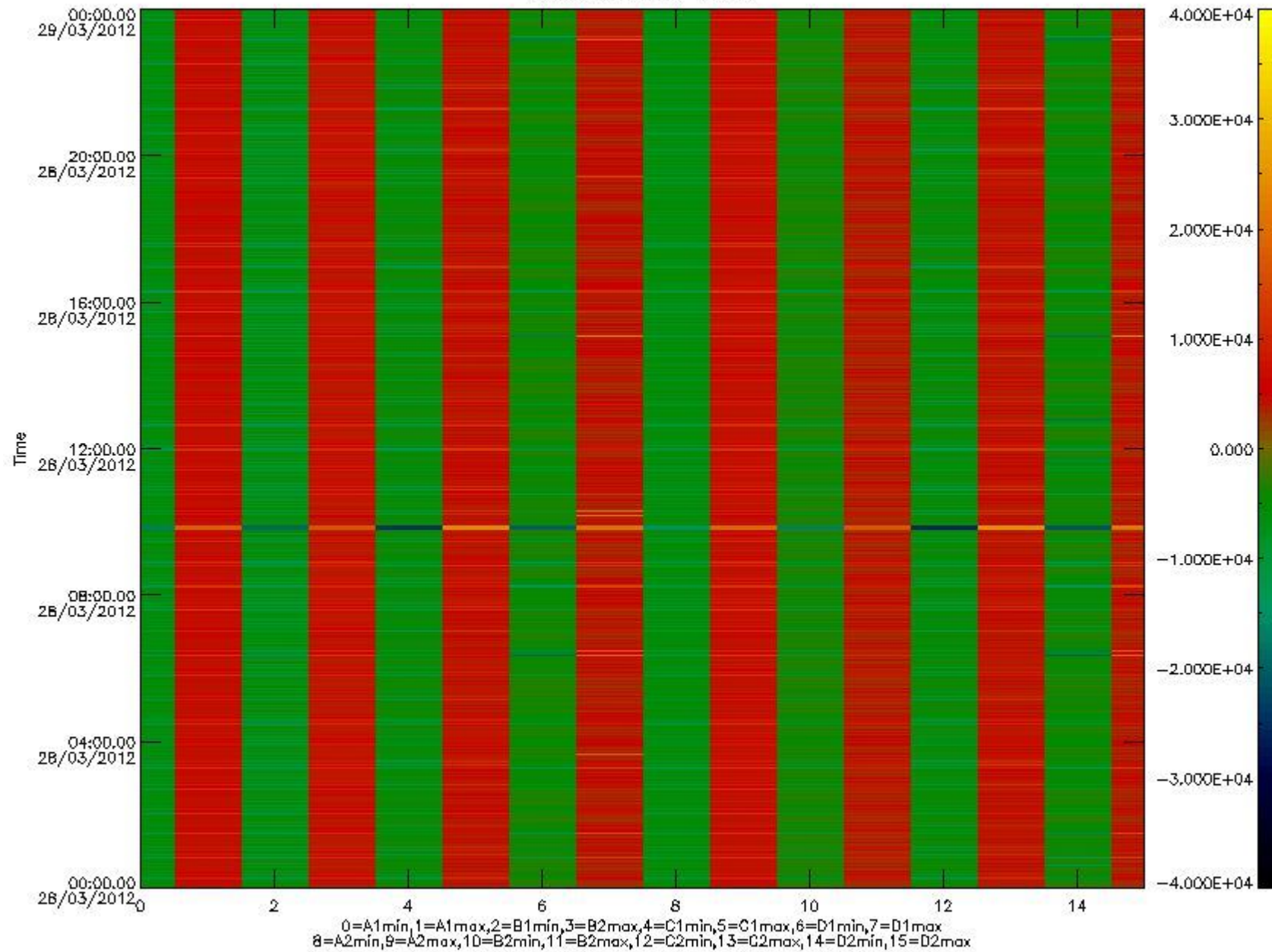


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_10.PNG

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

Channel	Min	Max	ADC
A1	-17606	18532	16bit
B1	-20017	17287	16bit
C1	-24400	24291	16bit
D1	-32768	32767	16bit
A2	-15371	18839	16bit
B2	-17765	17527	16bit
C2	-25422	25392	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\_20120328\_11.PNG

### 0.3 ADF monitoring

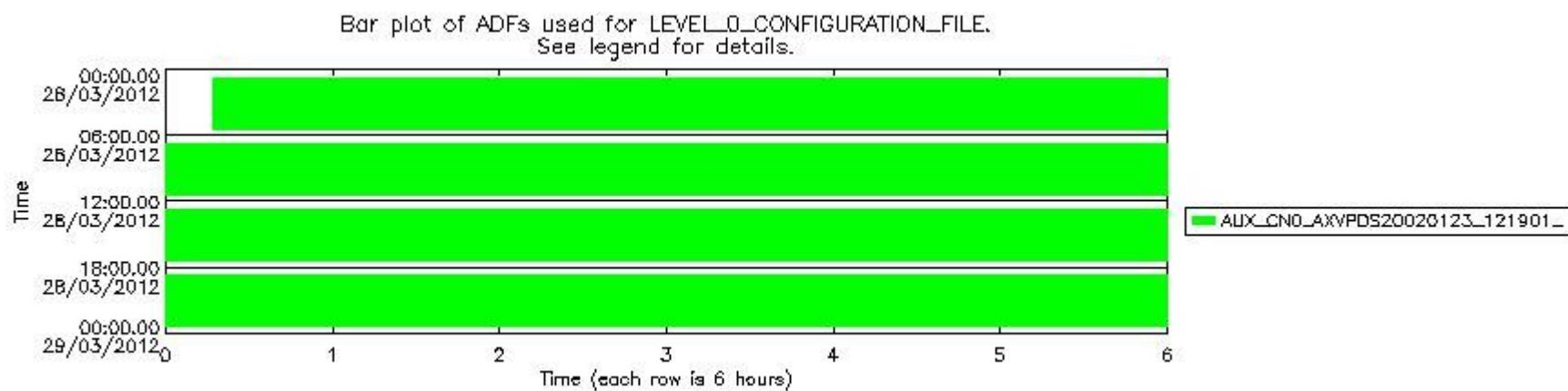
The use of ADFs is shown in two ways:

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.

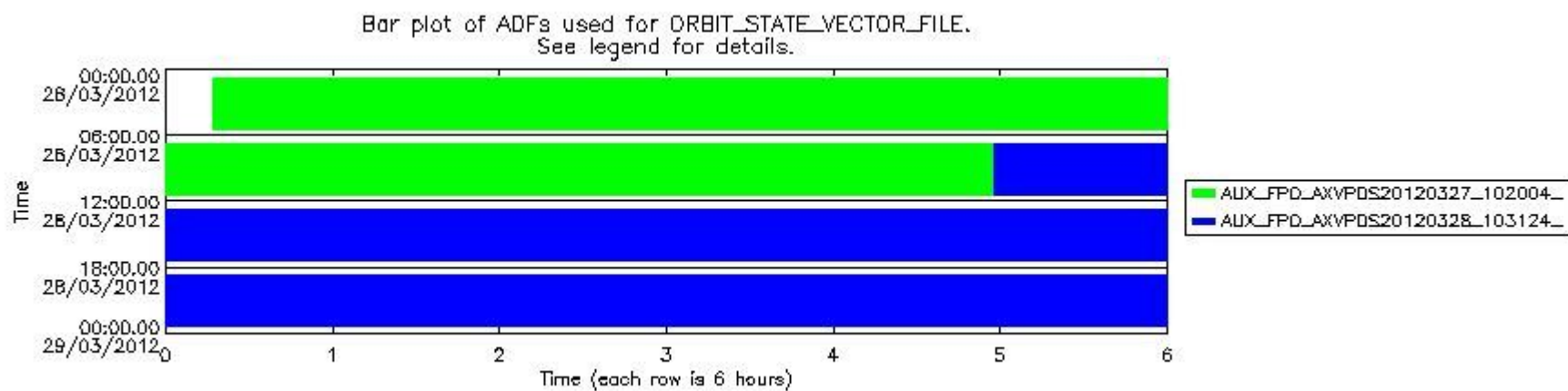
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120327_102004_20120326_182408_20120405_203748
2	AUX_FPO_AXVPDS20120328_103124_20120327_192737_20120406_200103

Number	Product name	#CNO	#FPO
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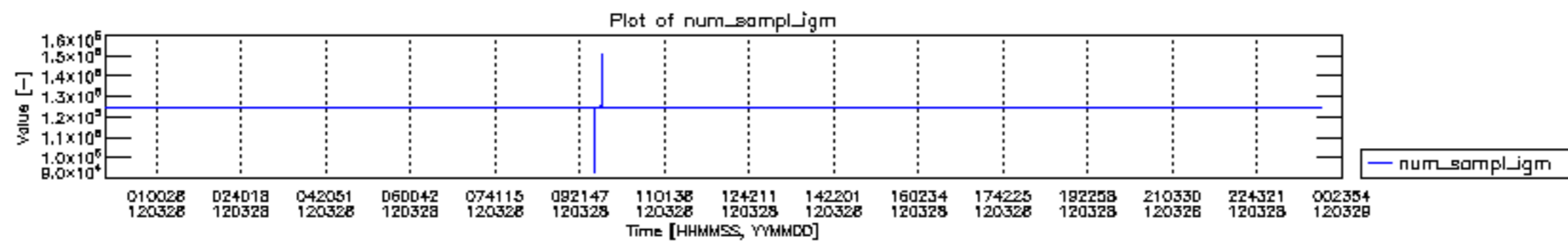
0	MIP_NL__0PNPDE20120328_001703_000059413113_00102_52702_1307.N1	0	1
1	MIP_NL__0PNPDE20120328_015502_000044123113_00103_52703_1308.N1	0	1
2	MIP_NL__0PNPDE20120328_030801_000061753113_00104_52704_1309.N1	0	1
3	MIP_NL__0PNPDE20120328_045022_000059713113_00105_52705_1310.N1	0	1
4	MIP_NL__0PNPDK20120328_062920_000041243113_00106_52706_9050.N1	0	1
5	MIP_NL__0PNPDK20120328_073730_000061423113_00107_52707_9051.N1	0	1
6	MIP_NL__0PNPDK20120328_091908_000059723113_00108_52708_9052.N1	0	1
7	MIP_NL__0PNPDK20120328_105758_000059293113_00109_52709_9053.N1	0	2
8	MIP_NL__0PNPDK20120328_123613_000059083113_00110_52710_9054.N1	0	2
9	MIP_NL__0PNPDK20120328_141309_000059313113_00111_52711_9055.N1	0	2
10	MIP_NL__0PNPDK20120328_155026_000059753113_00112_52712_9056.N1	0	2
11	MIP_NL__0PNPDK20120328_172902_000058453113_00113_52713_9057.N1	0	2
12	MIP_NL__0PNPDK20120328_190529_000061333113_00114_52714_9058.N1	0	2
13	MIP_NL__0PNPDE20120328_204629_000054383113_00115_52715_1311.N1	0	2
14	MIP_NL__0PNPDE20120328_221038_000003893113_00115_52715_6019.N1	0	2
15	MIP_NL__0PNPDE20120328_221602_000057553113_00116_52716_1312.N1	0	2
16	MIP_NL__0PNPDE20120328_235052_000058393113_00116_52716_1313.N1	0	2

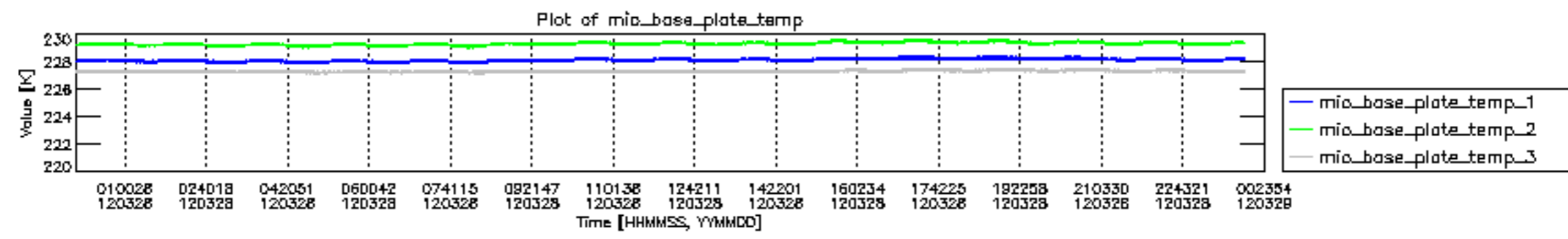


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_12.PNG

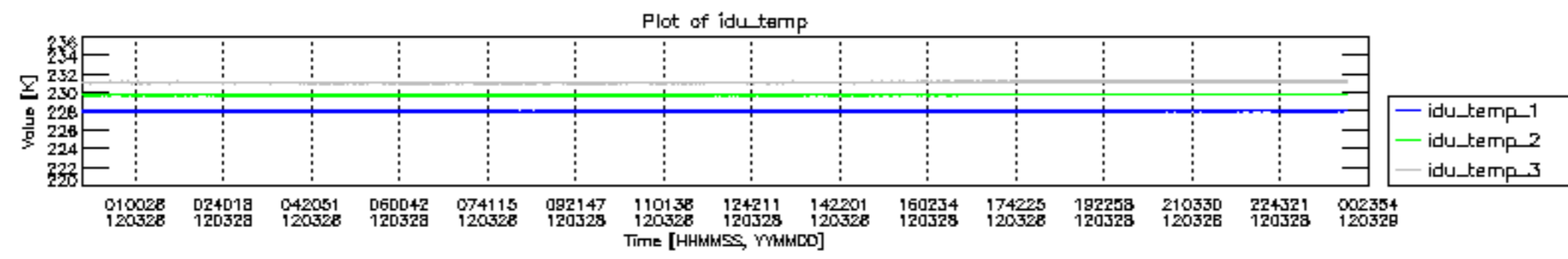


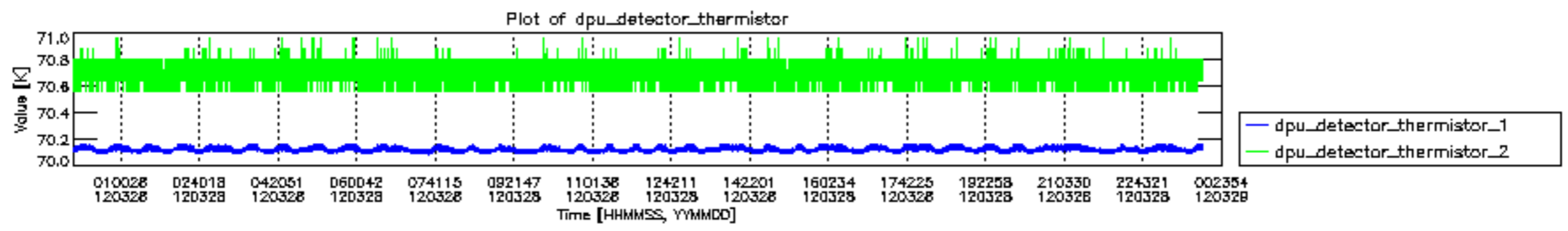
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120328\_13.PNG

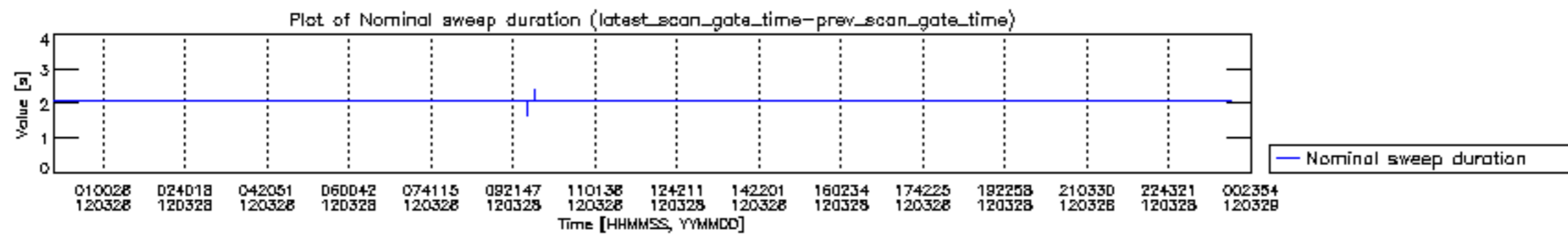


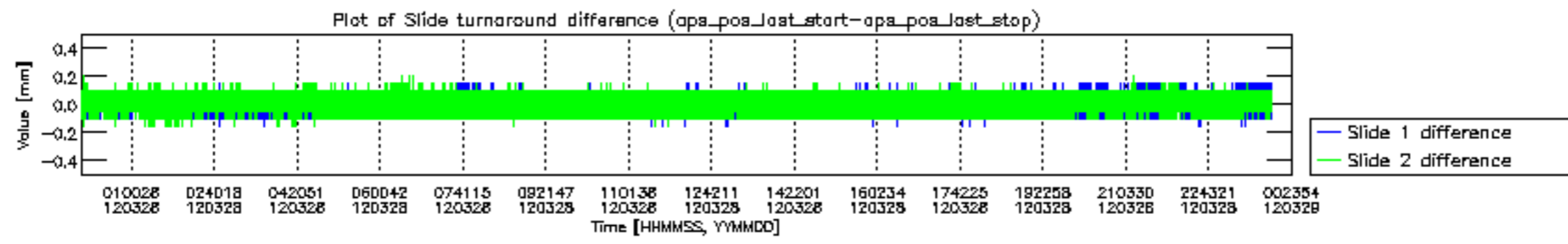


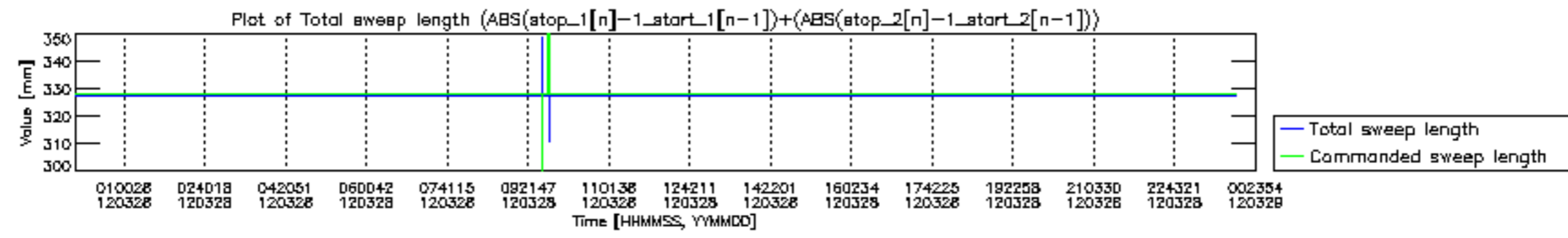


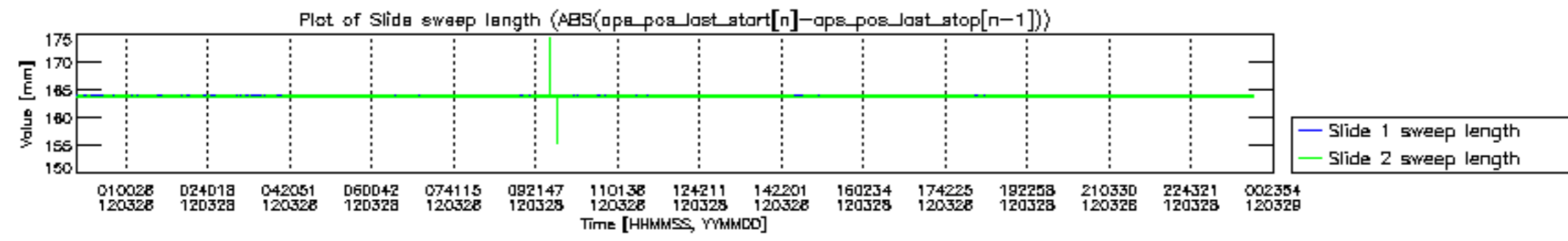


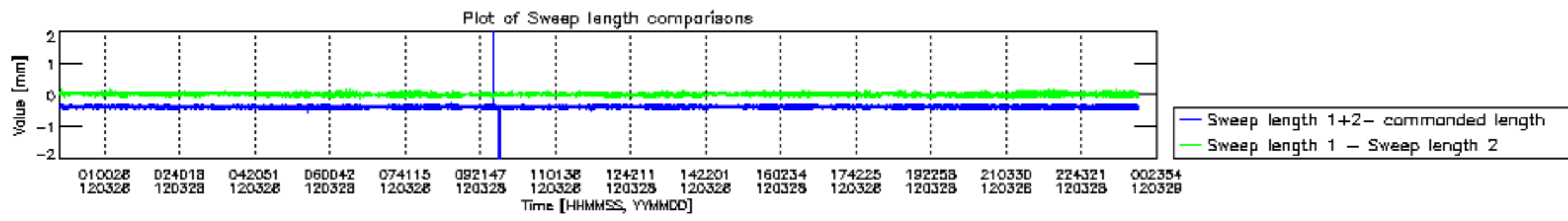


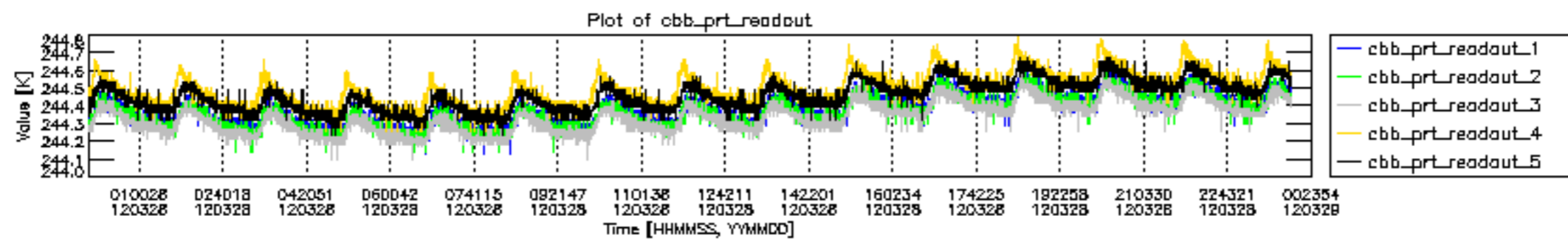




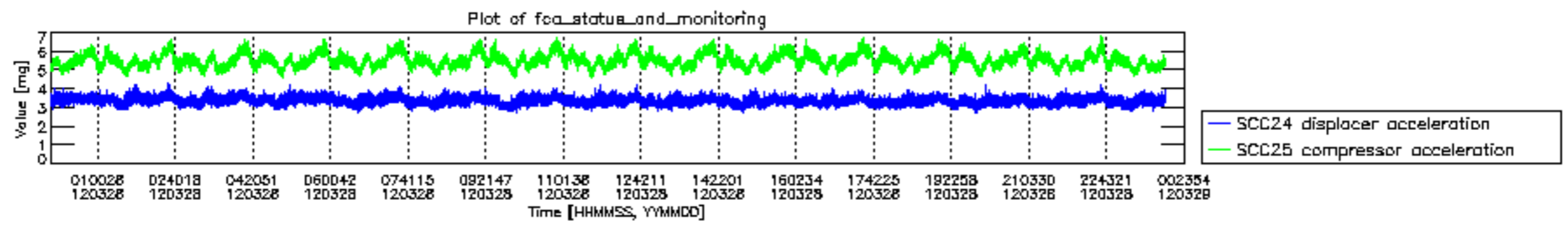












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

