

## 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	20FEB2012 05:21:45
Data source version	KSPT_L0/4504-N
Processing scope for products	15FEB2012 00:00:00 to 16FEB2012 00:00:00
Start time of first product within scope	15FEB2012 00:57:05
Stop time of last product within scope	16FEB2012 00:21:28
Total number of level 0 products	14
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__0PNPDE20120215_005705_000054863111_00361_52109_1035.N1	15FEB2012 00:57:05	15FEB2012 02:28:30	0	0	0	0	0
1	MIP_NL__0PNPDE20120215_022734_000047273111_00362_52100_1036.N1	15FEB2012 02:27:34	15FEB2012 03:46:21	0	0	0	0	0
2	MIP_NL__0PNPDE20120215_034548_000062573111_00363_52101_1037.N1	15FEB2012 03:45:48	15FEB2012 05:30:04	0	0	0	0	0
3	MIP_NL__0PNPDE20120215_052931_000060243111_00364_52102_1038.N1	15FEB2012 05:29:31	15FEB2012 07:09:55	0	0	0	0	0
4	MIP_NL__0PNPDK20120215_081705_000060233111_00366_52104_8530.N1	15FEB2012 08:17:05	15FEB2012 09:57:27	0	0	0	0	0
5	MIP_NL__0PNPDK20120215_095555_000061463111_00367_52105_8531.N1	15FEB2012 09:55:55	15FEB2012 11:38:21	0	0	0	0	0
6	MIP_NL__0PNPDK20120215_113645_000060083111_00368_52106_8532.N1	15FEB2012 11:36:45	15FEB2012 13:16:53	0	0	0	0	0
7	MIP_NL__0PNPDK20120215_131515_000059043111_00369_52107_8533.N1	15FEB2012 13:15:15	15FEB2012 14:53:39	0	0	0	0	0
8	MIP_NL__0PNPDK20120215_145238_000059643111_00370_52108_8534.N1	15FEB2012 14:52:38	15FEB2012 16:32:02	0	0	0	0	0
9	MIP_NL__0PNPDK20120215_163104_000059293111_00371_52109_8535.N1	15FEB2012 16:31:04	15FEB2012 18:09:52	0	0	0	0	0
10	MIP_NL__0PNPDK20120215_180919_000059273111_00372_52110_8536.N1	15FEB2012 18:09:19	15FEB2012 19:48:05	0	0	0	0	0
11	MIP_NL__0PNPDE20120215_194625_000041093111_00373_52111_1039.N1	15FEB2012 19:46:25	15FEB2012 20:54:54	0	0	0	0	0
12	MIP_NL__0PNPDE20120215_205356_000064433111_00373_52111_1040.N1	15FEB2012 20:53:56	15FEB2012 22:41:18	0	0	0	0	0
13	MIP_NL__0PNPDE20120215_224013_000060753111_00374_52112_1041.N1	15FEB2012 22:40:13	16FEB2012 00:21:28	0	0	0	0	0

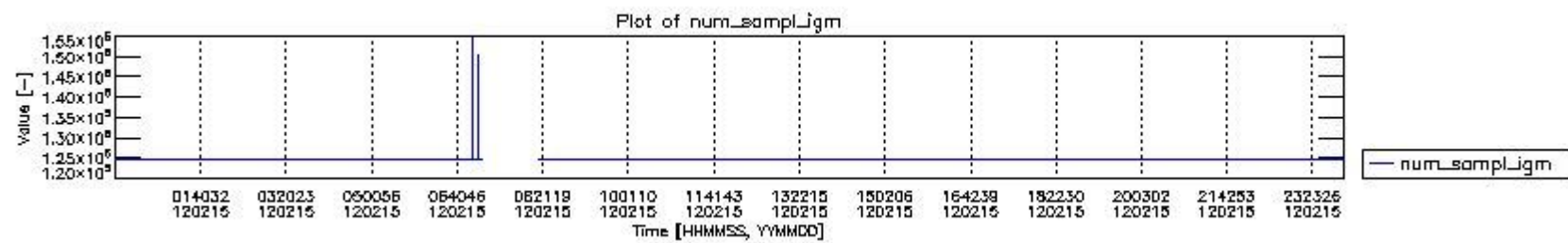
## 0.2 Instrument Operational Performance Parameters

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.

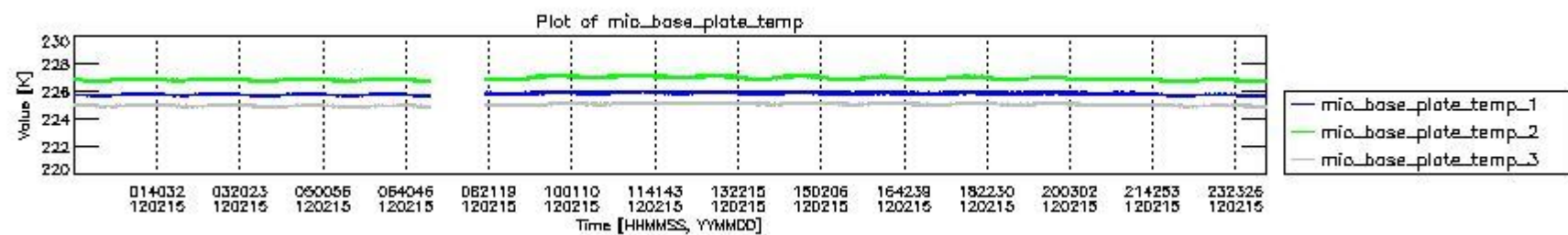
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	36819	92.871737
124803	2820	7.1131290
127605	1	0.0025223862
129761	1	0.0025223862

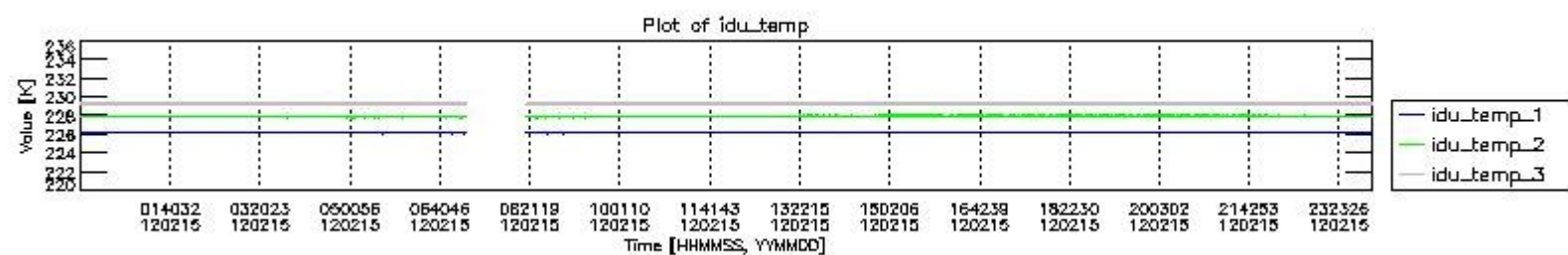
147737	1	0.0025223862
149893	1	0.0025223862
150542	1	0.0025223862
154854	1	0.0025223862



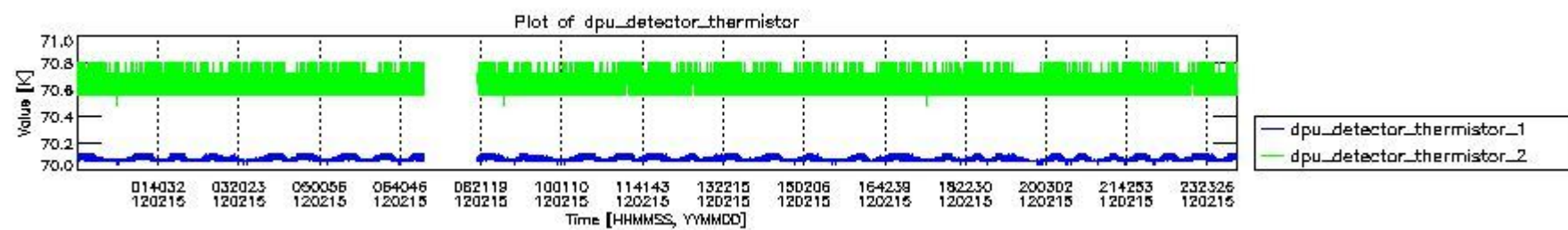
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_0.PNG



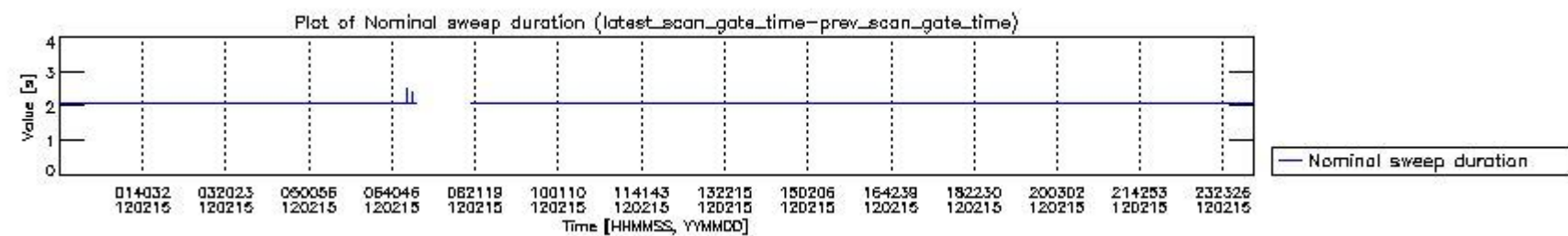
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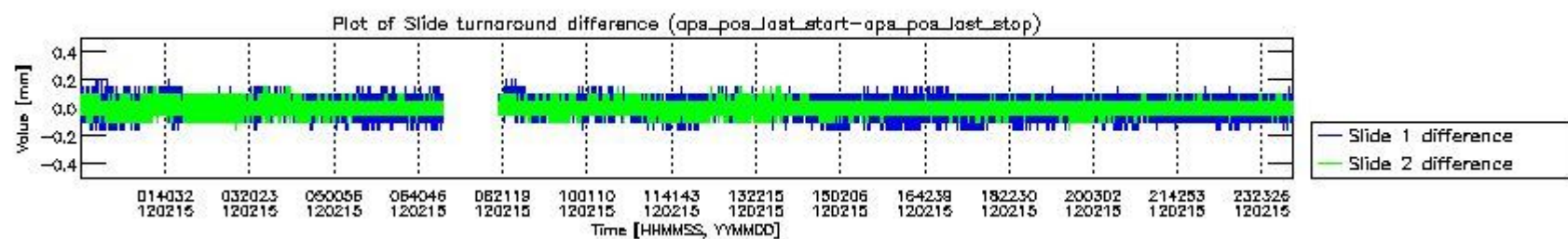
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_2.PNG



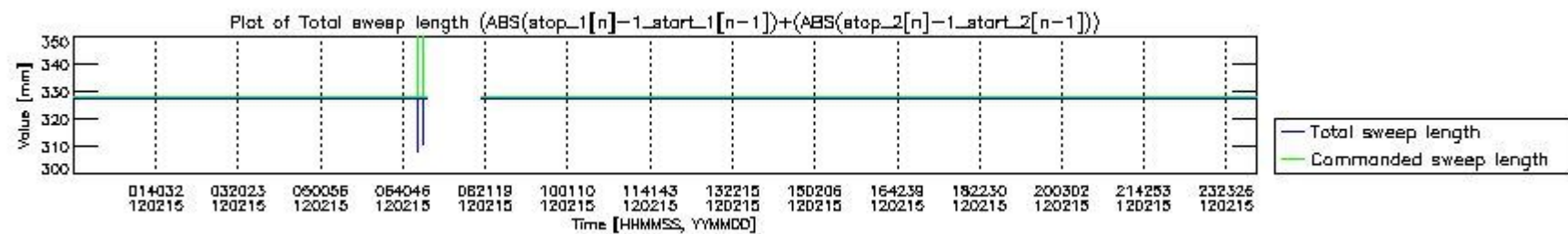
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_3.PNG



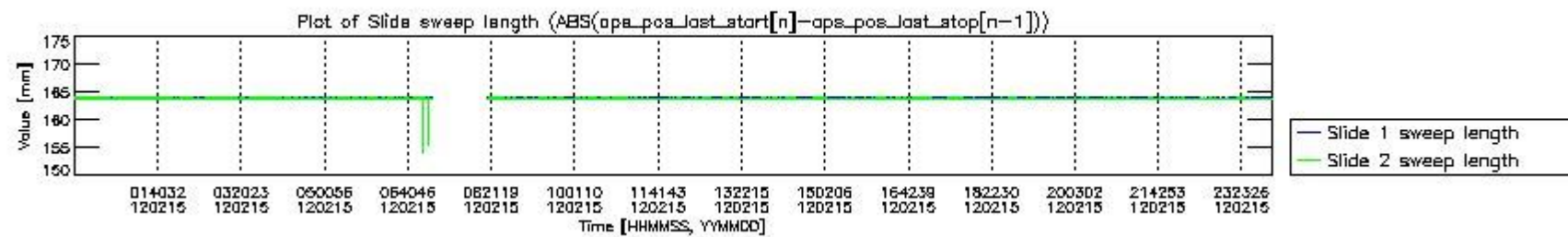
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_4.PNG



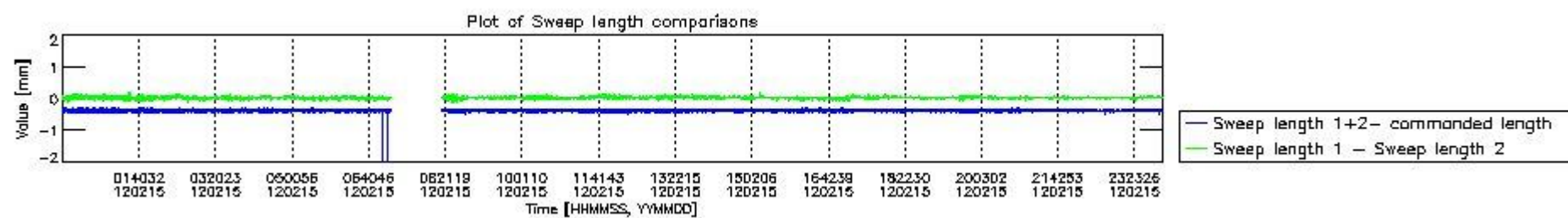
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_5.PNG



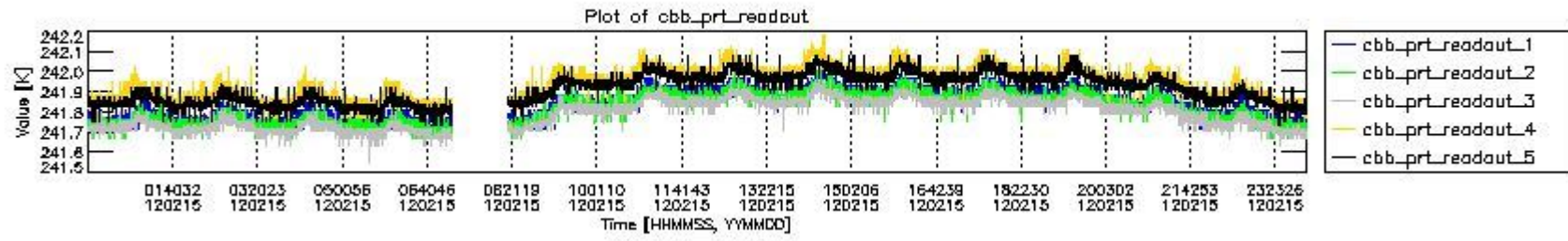
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_6.PNG



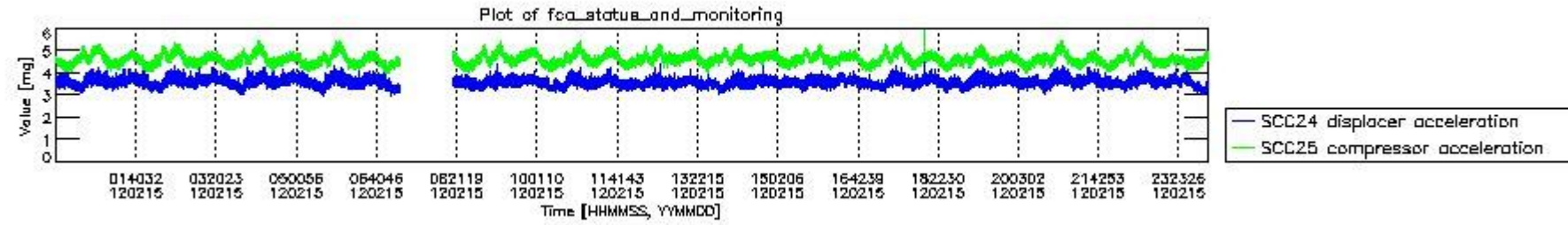
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_9.PNG

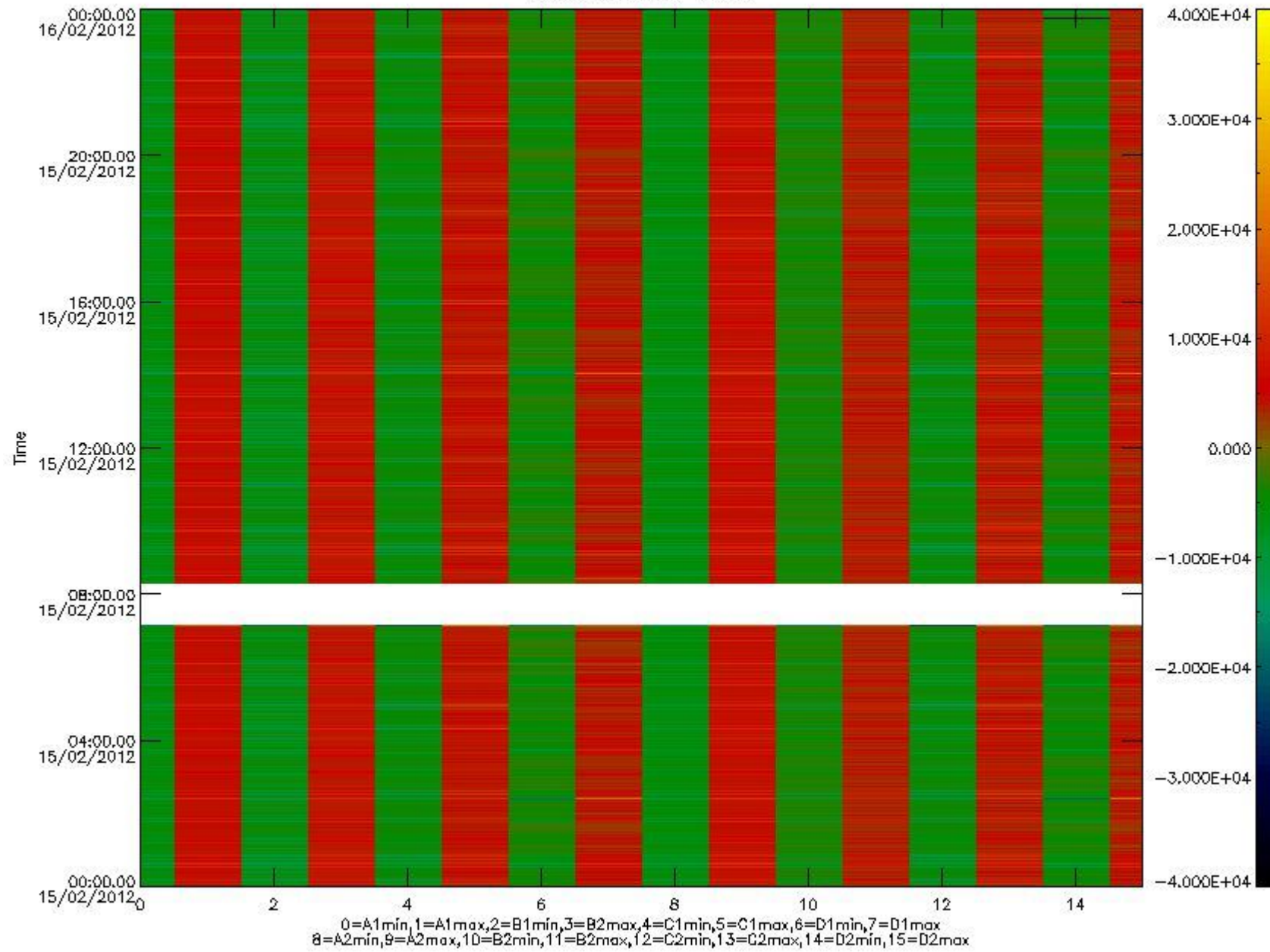


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_10.PNG

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

Channel	Min	Max	ADC
A1	-17116	17968	16bit
B1	-18767	16328	16bit
C1	-25143	21879	16bit
D1	-22253	32767	16bit
A2	-14956	18229	16bit
B2	-16447	16274	16bit
C2	-22922	24304	16bit
D2	-32768	25633	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_11.PNG

### 0.3 ADF monitoring

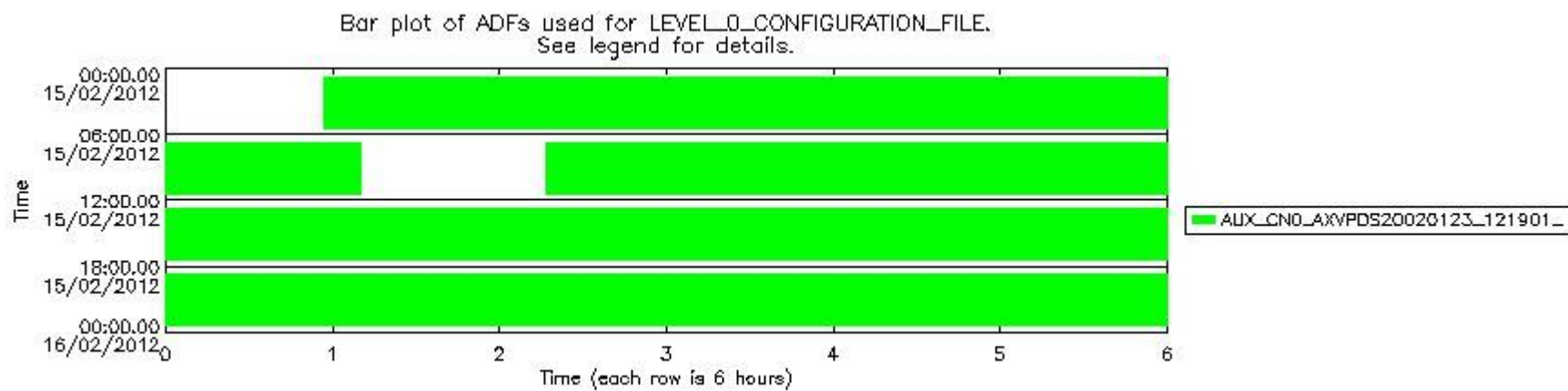
The use of ADFs is shown in two ways:

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.

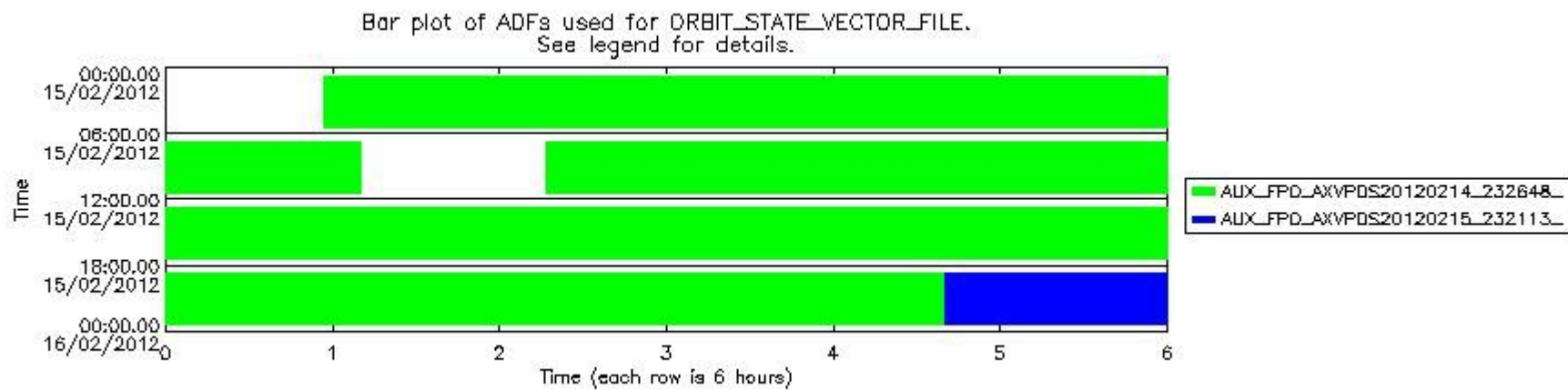
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120214_232648_20120214_182721_20120224_204059
2	AUX_FPO_AXVPDS20120215_232113_20120215_193050_20120225_200414

Number	Product name	#CN0	#FPO
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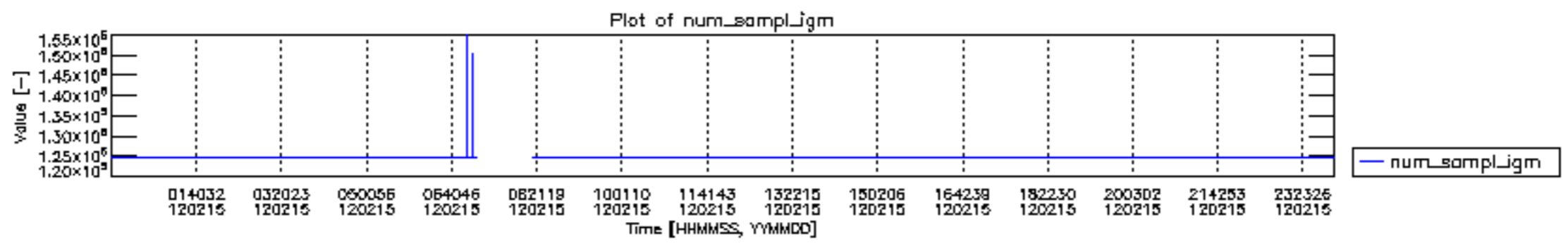
0	MIP_NL__0PNPDE20120215_005705_000054863111_00361_52099_1035.N1	0	1
1	MIP_NL__0PNPDE20120215_022734_000047273111_00362_52100_1036.N1	0	1
2	MIP_NL__0PNPDE20120215_034548_000062573111_00363_52101_1037.N1	0	1
3	MIP_NL__0PNPDE20120215_052931_000060243111_00364_52102_1038.N1	0	1
4	MIP_NL__0PNPDK20120215_081705_000060233111_00366_52104_8530.N1	0	1
5	MIP_NL__0PNPDK20120215_095555_000061463111_00367_52105_8531.N1	0	1
6	MIP_NL__0PNPDK20120215_113645_000060083111_00368_52106_8532.N1	0	1
7	MIP_NL__0PNPDK20120215_131515_000059043111_00369_52107_8533.N1	0	1
8	MIP_NL__0PNPDK20120215_145238_000059643111_00370_52108_8534.N1	0	1
9	MIP_NL__0PNPDK20120215_163104_000059293111_00371_52109_8535.N1	0	1
10	MIP_NL__0PNPDK20120215_180919_000059273111_00372_52110_8536.N1	0	1
11	MIP_NL__0PNPDE20120215_194625_000041093111_00373_52111_1039.N1	0	1
12	MIP_NL__0PNPDE20120215_205356_000064433111_00373_52111_1040.N1	0	1
13	MIP_NL__0PNPDE20120215_224013_000060753111_00374_52112_1041.N1	0	2

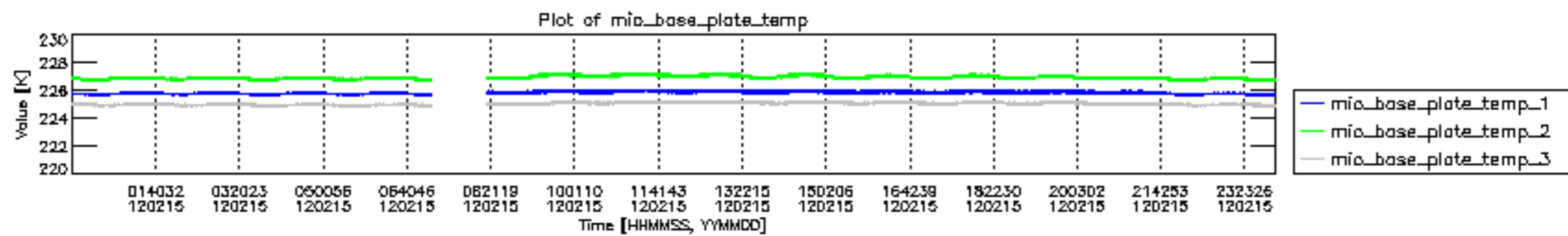


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_12.PNG

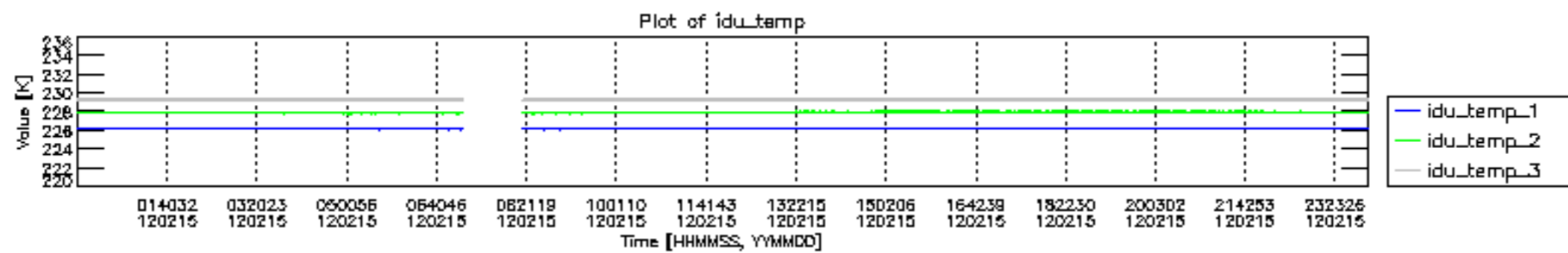


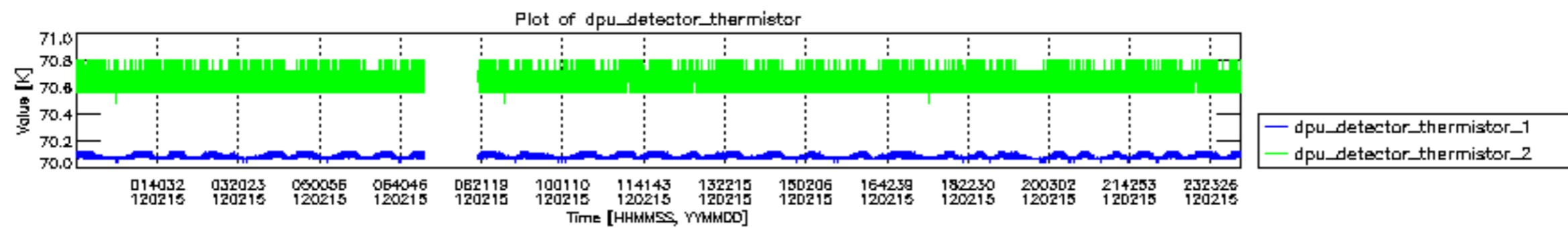
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120215\_13.PNG

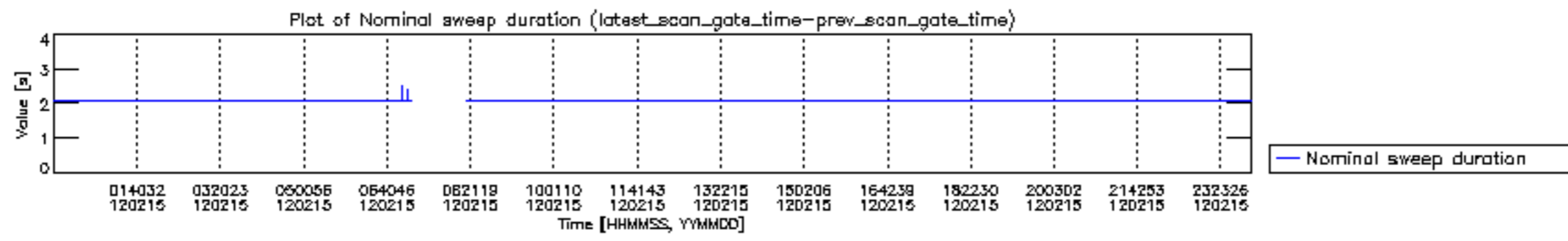


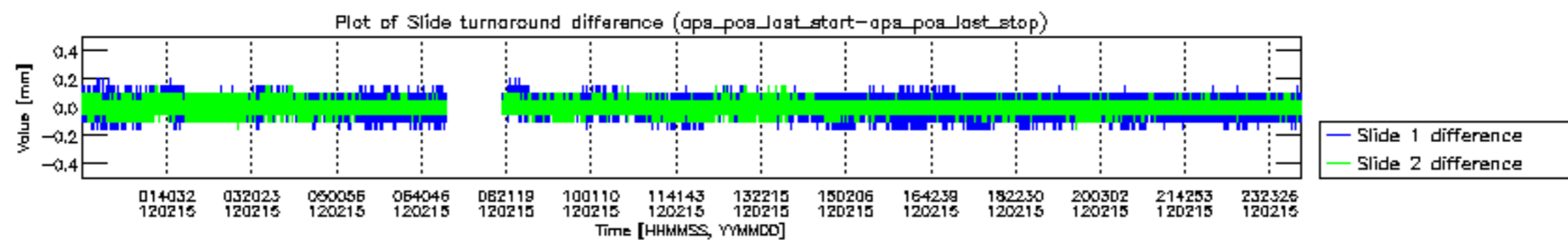


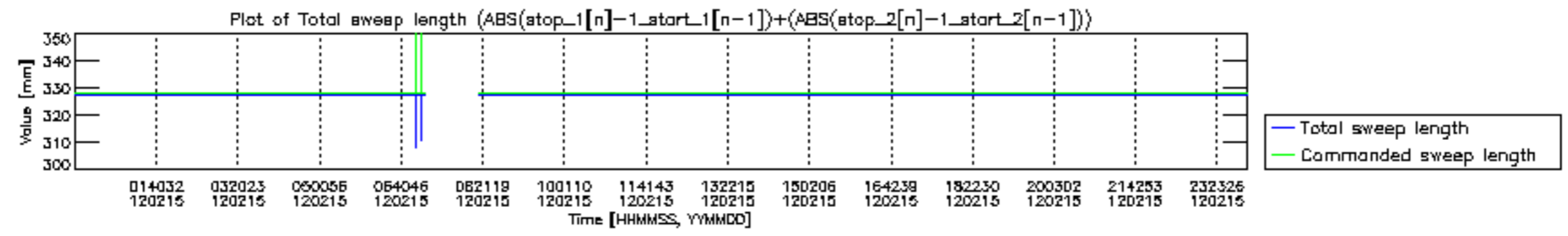


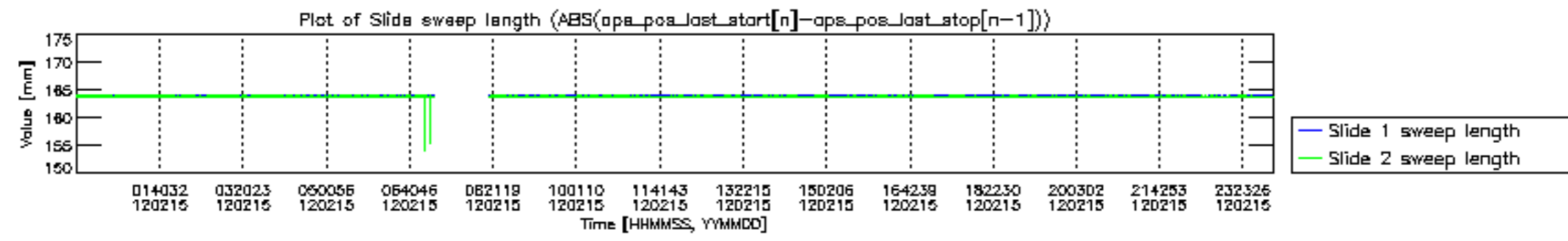


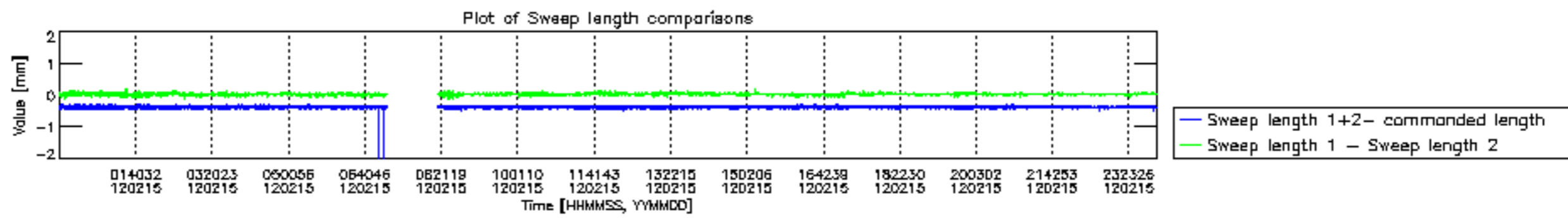


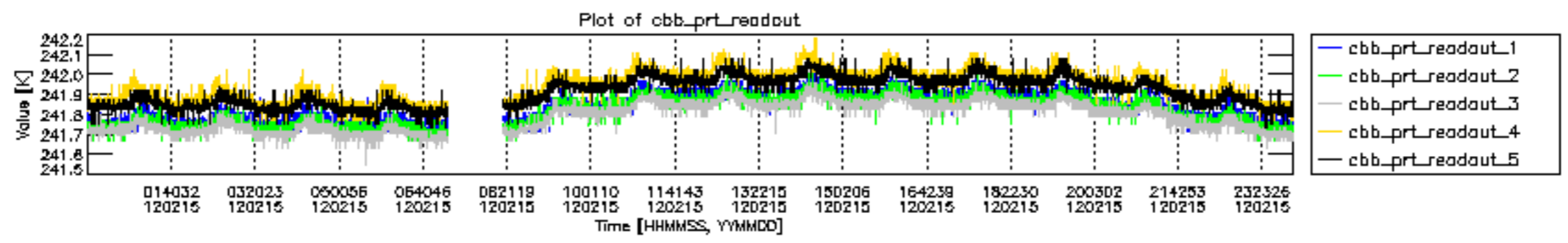




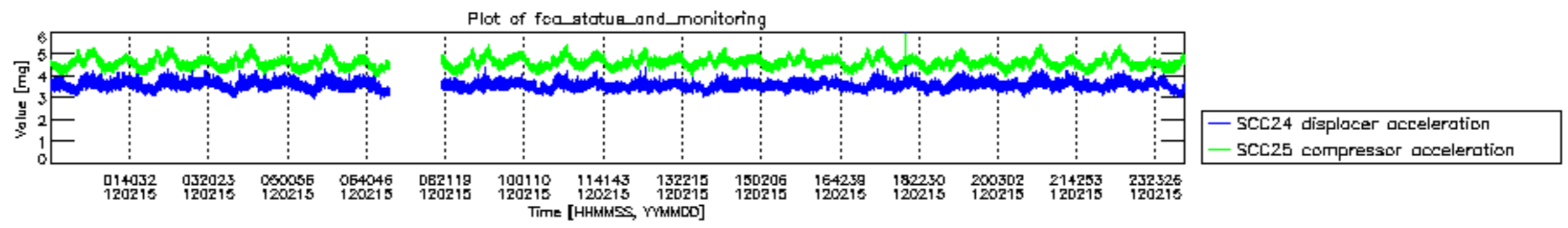












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

