

## 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	25JUN2011 05:24:14
Data source version	KSPT_L0/4504-N
Processing scope for products	20JUN2011 00:00:00 to 21JUN2011 00:00:00
Start time of first product within scope	20JUN2011 00:55:17
Stop time of last product within scope	21JUN2011 00:19:04
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.

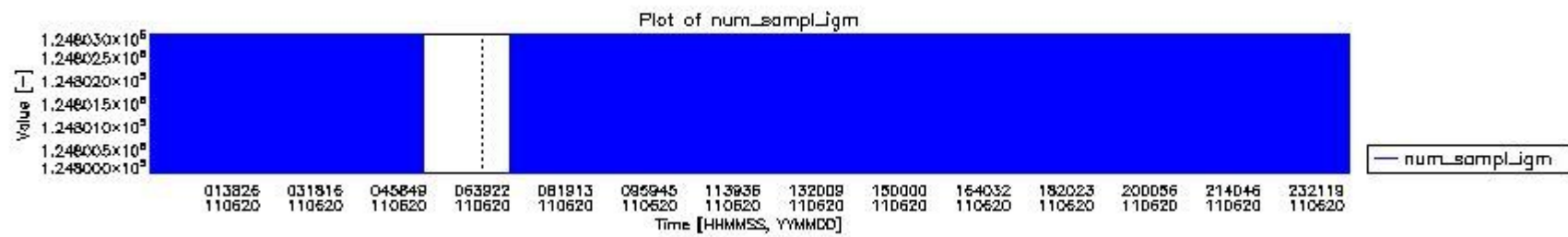
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110620_005517_000053883103_00361_48651_9073.N1	20JUN2011 00:55:17	20JUN2011 02:25:04	0	0	0	0	0
1	MIP_NL__0PNPDE20110620_022400_000048763103_00362_48652_9074.N1	20JUN2011 02:24:00	20JUN2011 03:45:16	0	0	0	0	0
2	MIP_NL__0PNPDE20110620_034442_000062423103_00363_48653_9075.N1	20JUN2011 03:44:42	20JUN2011 05:28:44	0	0	0	0	0
3	MIP_NL__0PNPDK20110620_070802_000040383103_00365_48655_5538.N1	20JUN2011 07:08:02	20JUN2011 08:15:21	0	0	0	0	0
4	MIP_NL__0PNPDK20110620_081447_000061083103_00366_48656_5539.N1	20JUN2011 08:14:47	20JUN2011 09:56:36	0	0	0	0	0
5	MIP_NL__0PNPDK20110620_095554_000059983103_00367_48657_5540.N1	20JUN2011 09:55:54	20JUN2011 11:35:51	0	0	0	0	0
6	MIP_NL__0PNPDK20110620_113510_000059793103_00368_48658_5541.N1	20JUN2011 11:35:10	20JUN2011 13:14:49	0	0	0	0	0
7	MIP_NL__0PNPDK20110620_131415_000059353103_00369_48659_5543.N1	20JUN2011 13:14:15	20JUN2011 14:53:10	0	0	0	0	0
8	MIP_NL__0PNPDK20110620_145228_000058873103_00370_48660_5544.N1	20JUN2011 14:52:28	20JUN2011 16:30:35	0	0	0	0	0
9	MIP_NL__0PNPDK20110620_162954_000058723103_00371_48661_5545.N1	20JUN2011 16:29:54	20JUN2011 18:07:46	0	0	0	0	0
10	MIP_NL__0PNPDK20110620_180650_000059603103_00372_48662_5546.N1	20JUN2011 18:06:50	20JUN2011 19:46:10	0	0	0	0	0
11	MIP_NL__0PNPDE20110620_194434_000041263103_00373_48663_9077.N1	20JUN2011 19:44:34	20JUN2011 20:53:19	0	0	0	0	0
12	MIP_NL__0PNPDE20110620_205215_000064143103_00373_48663_9078.N1	20JUN2011 20:52:15	20JUN2011 22:39:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110620_223808_000060563103_00374_48664_9079.N1	20JUN2011 22:38:08	21JUN2011 00:19:04	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

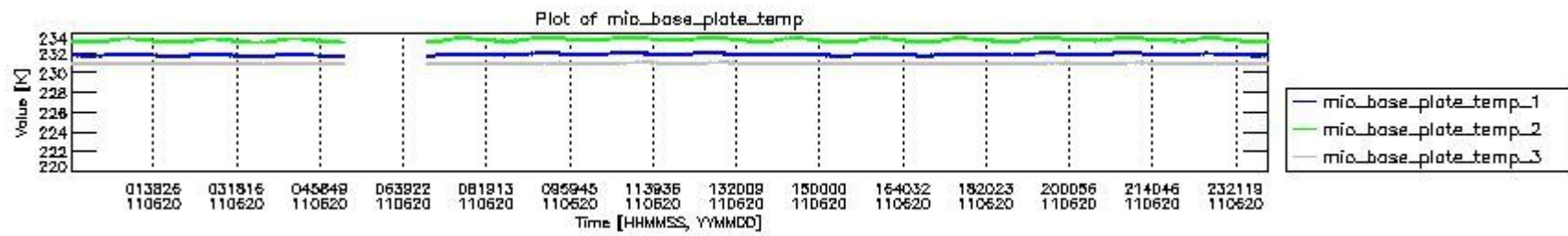
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

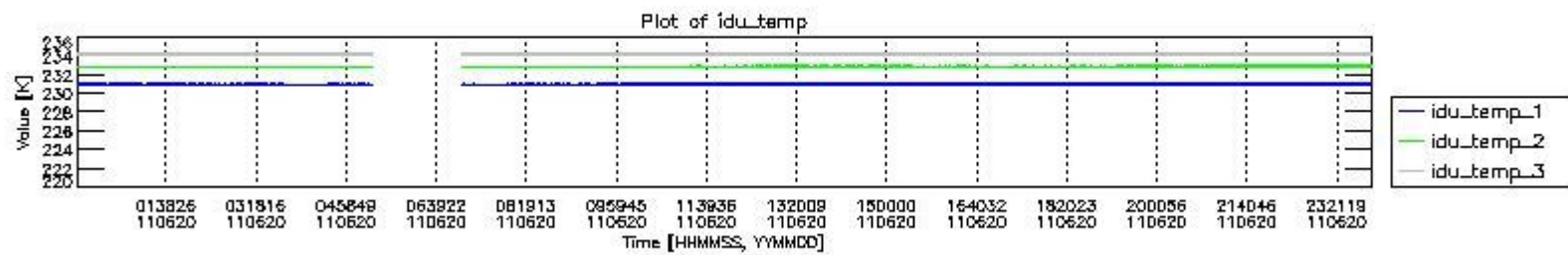
Number of igm samples	Count [#]	Count [%]
124800	35920	92.847727
124803	2767	7.1522734



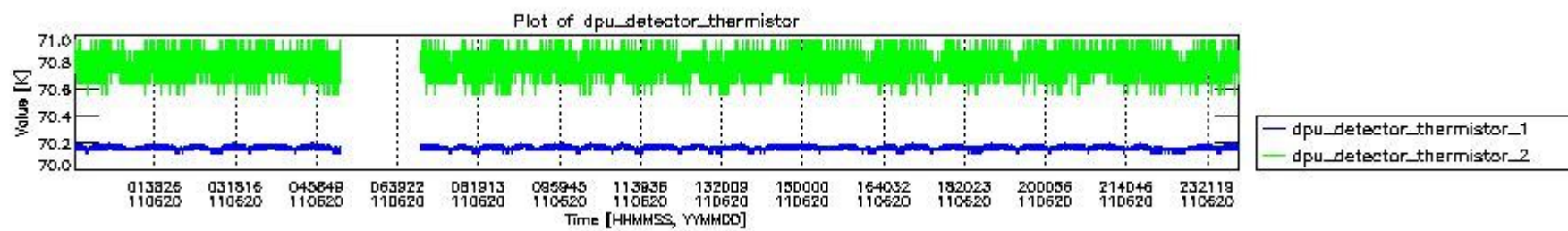
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_0.PNG



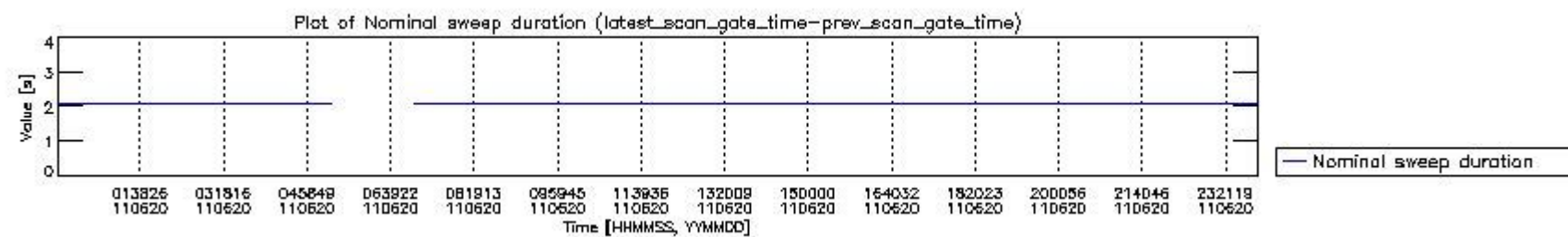
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_1.PNG



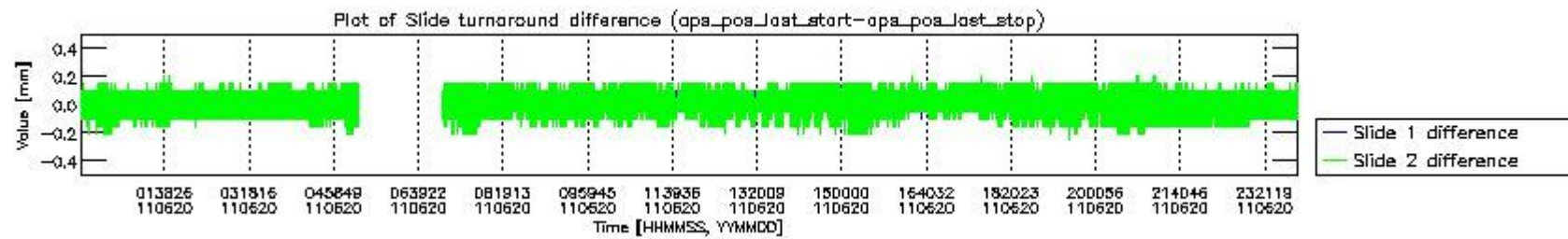
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_2.PNG



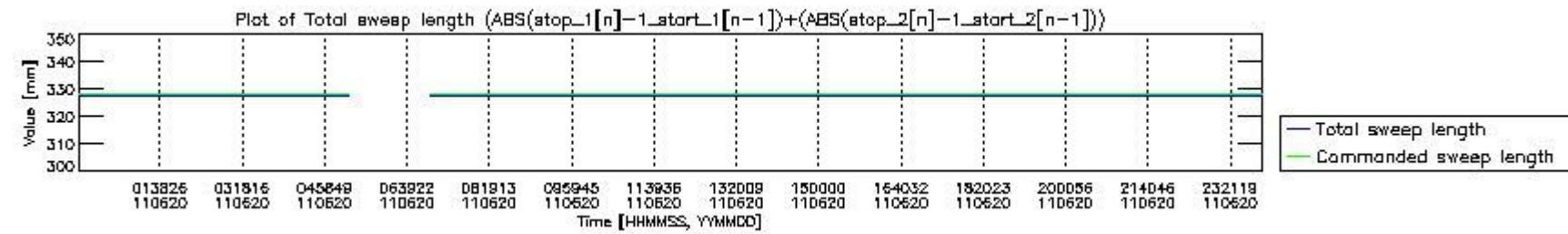
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_3.PNG



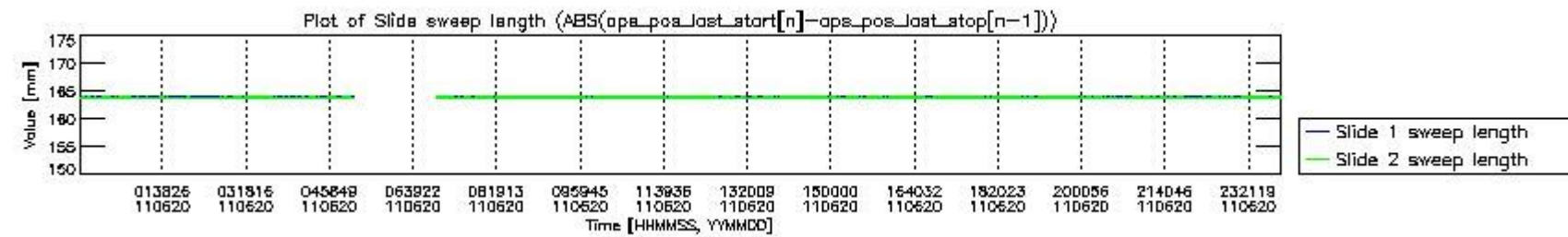
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_4.PNG



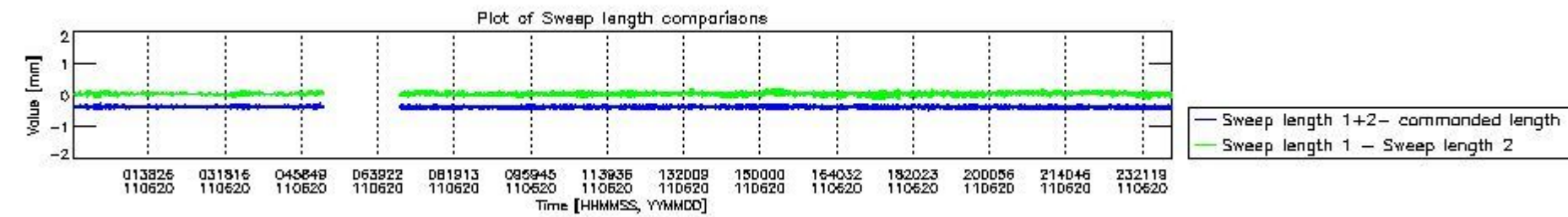
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_5.PNG



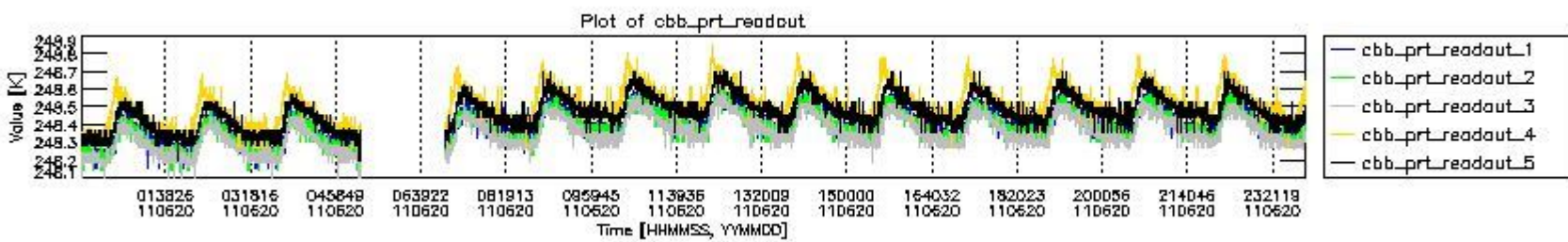
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_6.PNG



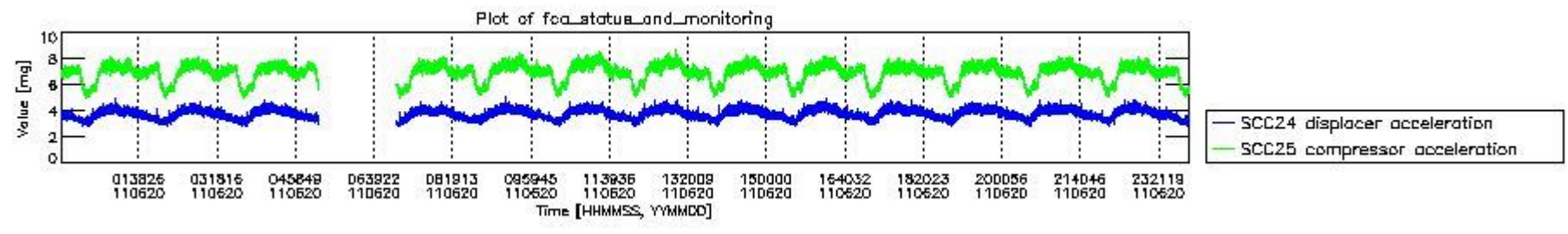
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_9.PNG



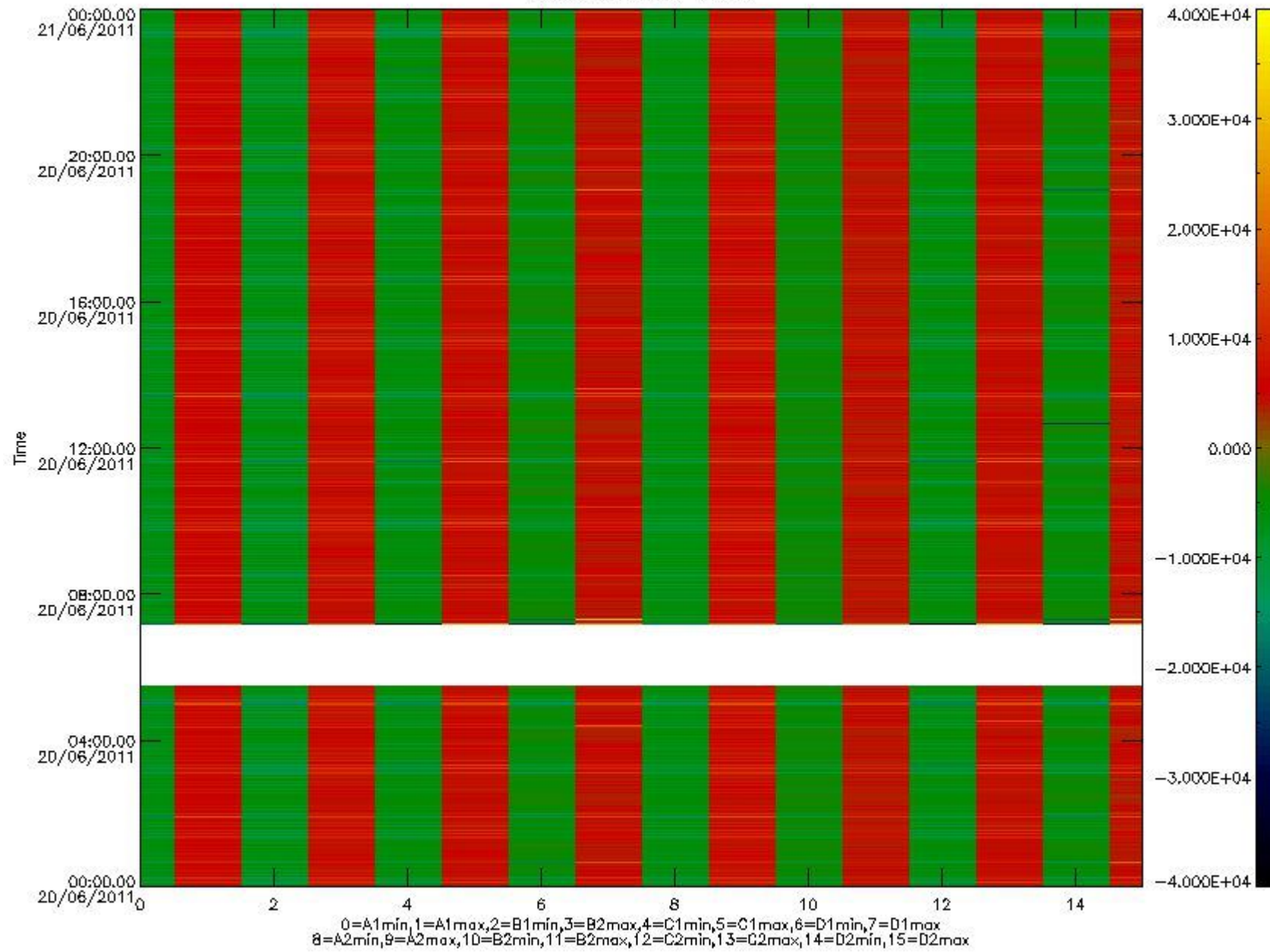
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_10.PNG

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

Channel	Min	Max	ADC
A1	-19204	20446	16bit
B1	-22246	18962	16bit
C1	-28787	28741	16bit
D1	-32768	32767	16bit
A2	-16544	20587	16bit
B2	-20635	20143	16bit
C2	-29927	29576	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\_20110620\_11.PNG

### 0.3 ADF monitoring

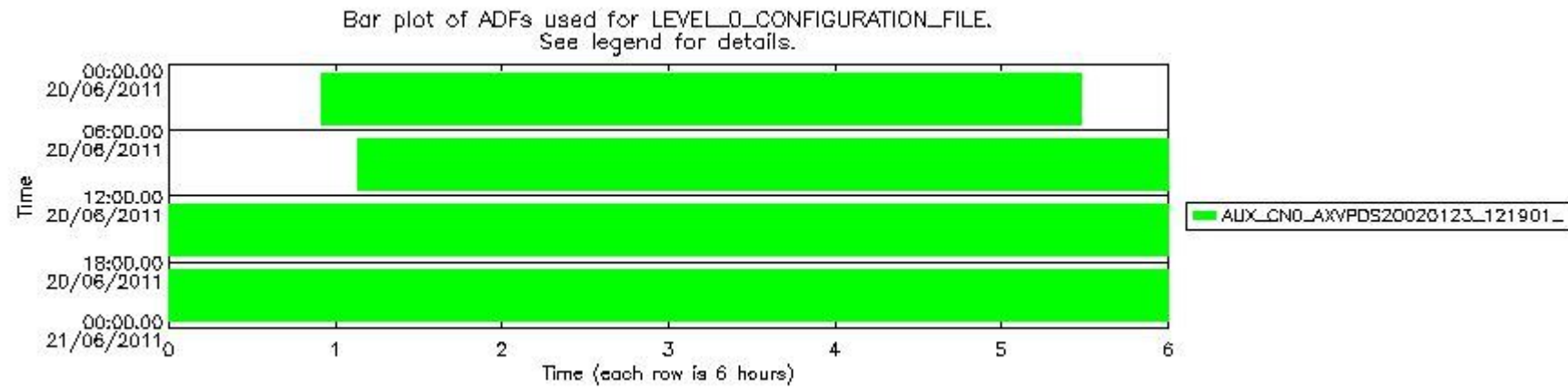
The use of ADFs is shown in two ways:

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.

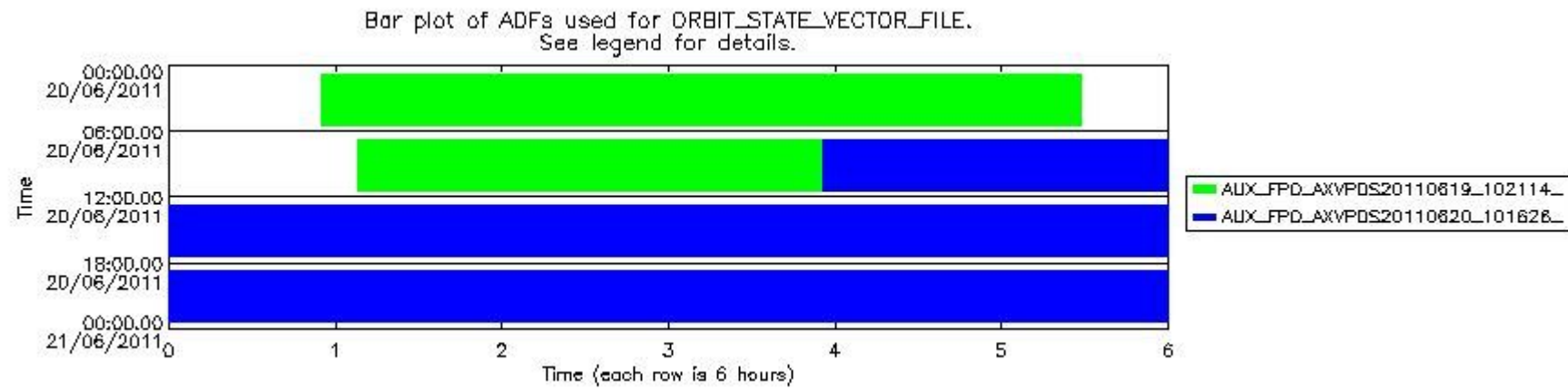
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110619_102114_20110618_190204_20110628_211552
2	AUX_FPO_AXVPDS20110620_101626_20110619_182520_20110629_203908

Number	Product name	#CN0	#FPO
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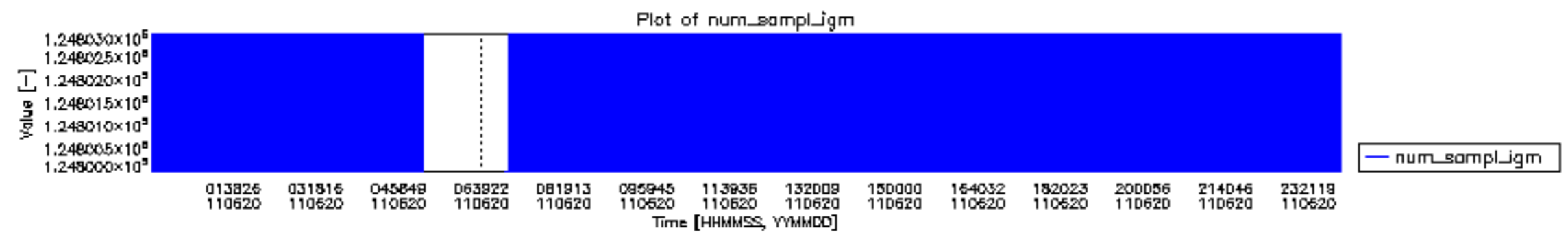
0	MIP_NL__0PNPDE20110620_005517_000053883103_00361_48651_9073.N1	0	1
1	MIP_NL__0PNPDE20110620_022400_000048763103_00362_48652_9074.N1	0	1
2	MIP_NL__0PNPDE20110620_034442_000062423103_00363_48653_9075.N1	0	1
3	MIP_NL__0PNPDK20110620_070802_000040383103_00365_48655_5538.N1	0	1
4	MIP_NL__0PNPDK20110620_081447_000061083103_00366_48656_5539.N1	0	1
5	MIP_NL__0PNPDK20110620_095554_000059983103_00367_48657_5540.N1	0	2
6	MIP_NL__0PNPDK20110620_113510_000059793103_00368_48658_5541.N1	0	2
7	MIP_NL__0PNPDK20110620_131415_000059353103_00369_48659_5543.N1	0	2
8	MIP_NL__0PNPDK20110620_145228_000058873103_00370_48660_5544.N1	0	2
9	MIP_NL__0PNPDK20110620_162954_000058723103_00371_48661_5545.N1	0	2
10	MIP_NL__0PNPDK20110620_180650_000059603103_00372_48662_5546.N1	0	2
11	MIP_NL__0PNPDE20110620_194434_000041263103_00373_48663_9077.N1	0	2
12	MIP_NL__0PNPDE20110620_205215_000064143103_00373_48663_9078.N1	0	2
13	MIP_NL__0PNPDE20110620_223808_000060563103_00374_48664_9079.N1	0	2

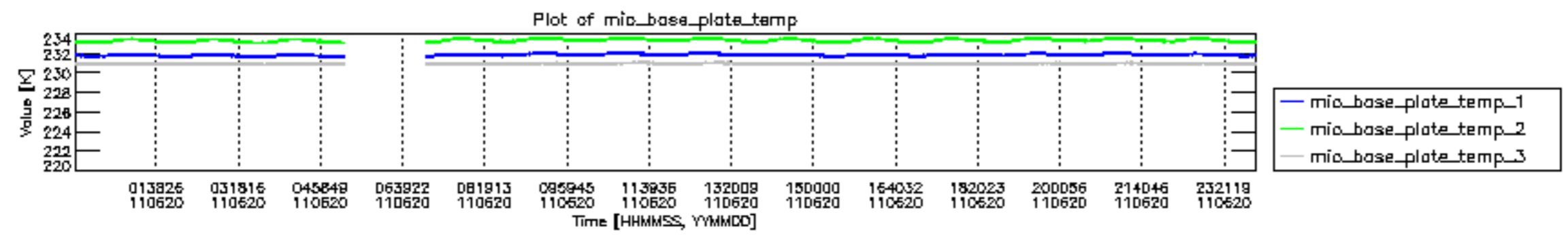


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_12.PNG

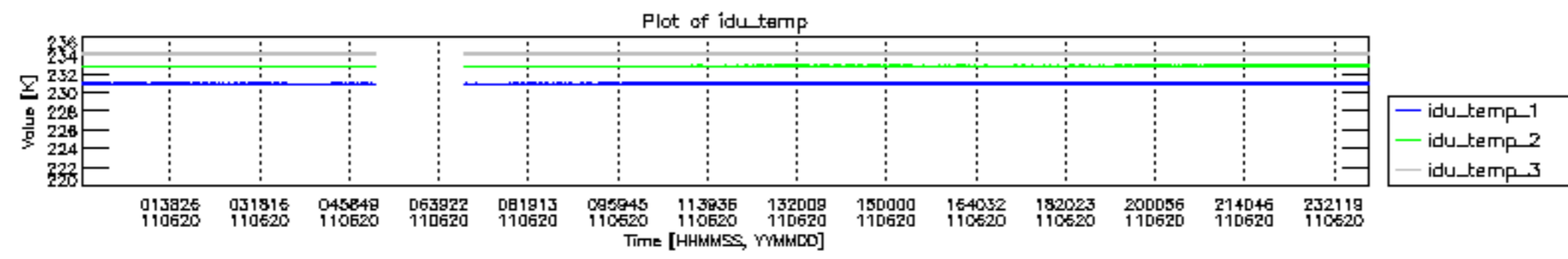


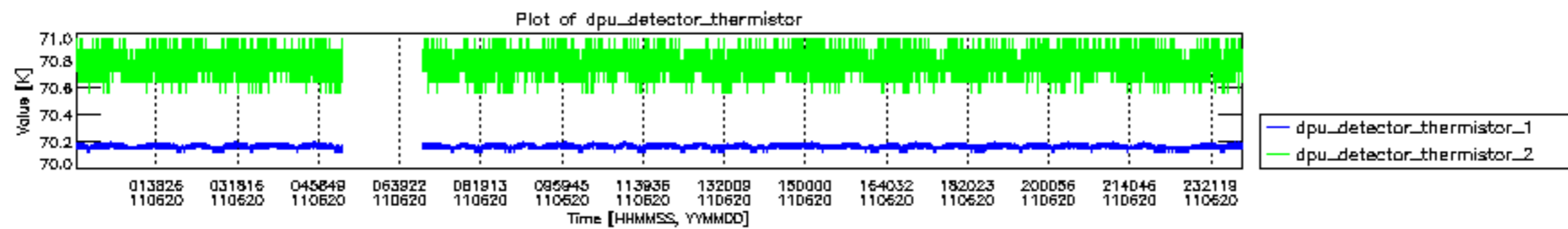
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110620\_13.PNG

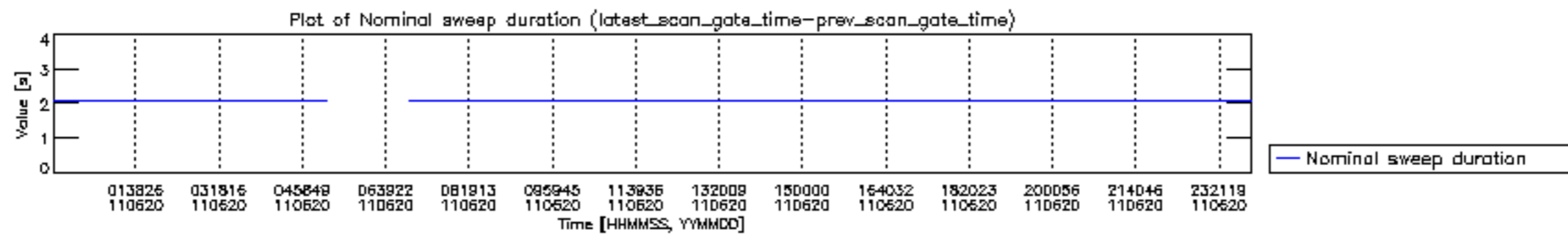


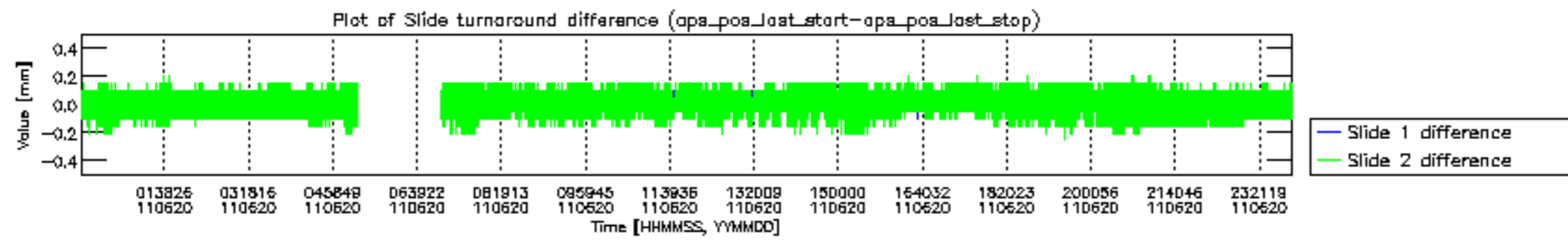


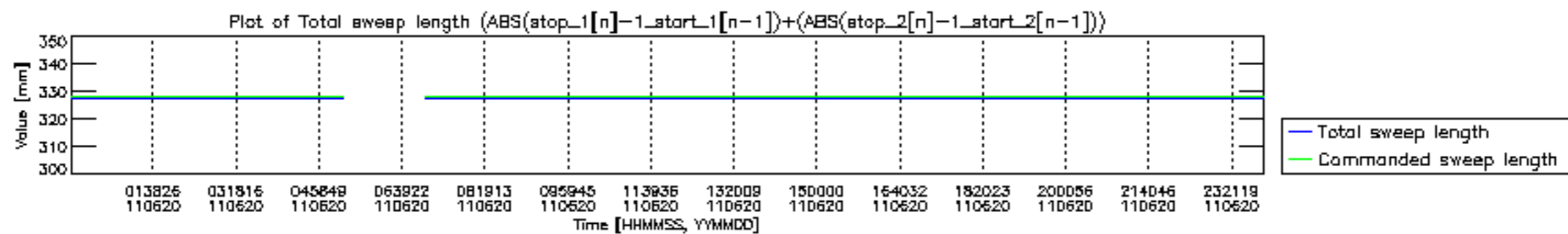




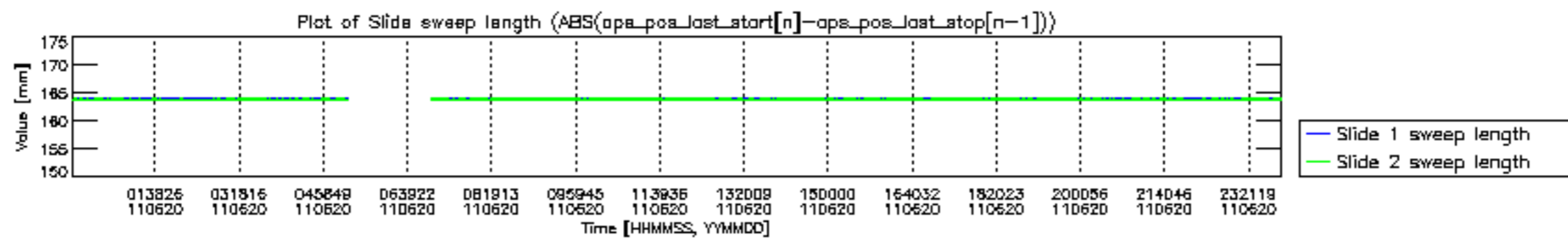


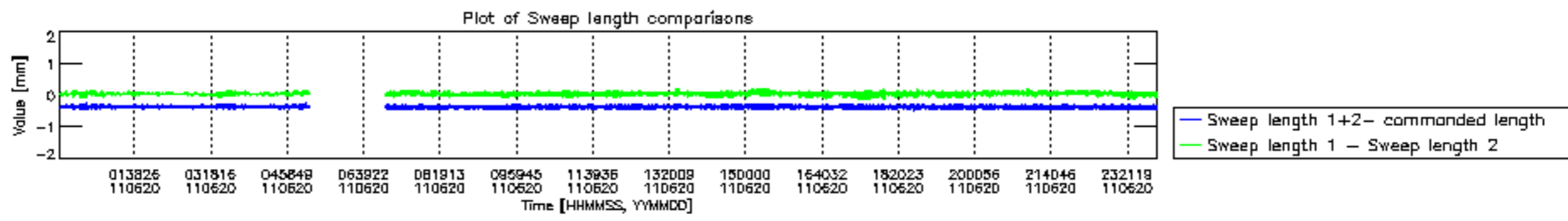


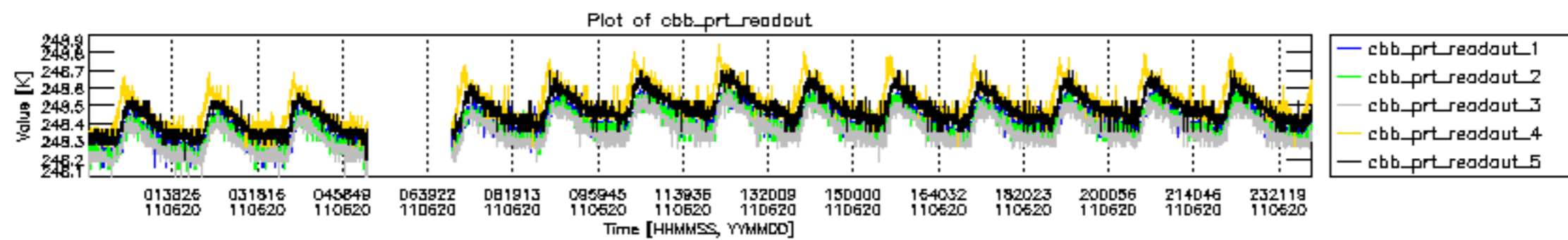


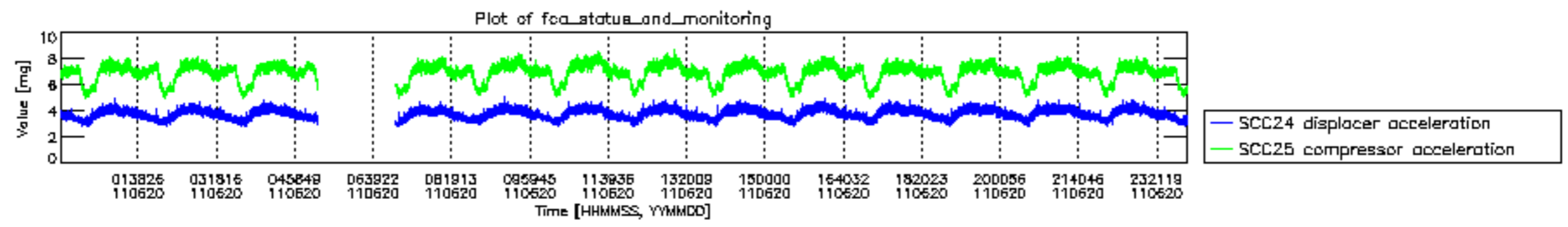












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

