

## 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	24MAR2011 05:23:33
Data source version	KSPT_L0/4504-N
Processing scope for products	19MAR2011 00:00:00 to 20MAR2011 00:00:00
Start time of first product within scope	19MAR2011 01:02:26
Stop time of last product within scope	20MAR2011 00:26:32
Total number of level 0 products	18
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__OPNPDE20110319_010226_000102973100_00318_47315_6748.N1	19MAR2011 01:02:26	19MAR2011 03:54:03	0	0	0	0	0
1	MIP_NL__OPNPDE20110319_014559_000076833100_00319_47316_6751.N1	19MAR2011 01:45:59	19MAR2011 03:54:03	0	0	0	0	0
2	MIP_NL__OPNPDE20110319_034441_000006963100_00320_47317_3137.N1	19MAR2011 03:44:41	19MAR2011 03:56:17	1	0	1	0	0
3	MIP_NL__OPNPDE20110319_035329_000061713100_00320_47317_6749.N1	19MAR2011 03:53:29	19MAR2011 05:36:20	0	0	0	0	0
4	MIP_NL__OPNPDE20110319_053134_000004243100_00321_47318_3138.N1	19MAR2011 05:31:34	19MAR2011 05:38:38	0	0	0	0	0
5	MIP_NL__OPNPDE20110319_053541_000060713100_00321_47318_6750.N1	19MAR2011 05:35:41	19MAR2011 07:16:51	0	0	0	0	0
6	MIP_NL__OPNPDE20110319_071203_000004183100_00322_47319_3139.N1	19MAR2011 07:12:03	19MAR2011 07:19:01	0	0	0	0	0
7	MIP_NL__OPNPDK20110319_071610_000040463100_00322_47319_4601.N1	19MAR2011 07:16:10	19MAR2011 08:23:36	0	0	0	0	0
8	MIP_NL__OPNPDK20110319_082303_000061833100_00323_47320_4602.N1	19MAR2011 08:23:03	19MAR2011 10:06:06	0	0	0	0	0
9	MIP_NL__OPNPDK20110319_100522_000059333100_00324_47321_4603.N1	19MAR2011 10:05:22	19MAR2011 11:44:15	0	0	0	0	0
10	MIP_NL__OPNPDK20110319_114331_000060063100_00325_47322_4604.N1	19MAR2011 11:43:31	19MAR2011 13:23:37	0	0	0	0	0
11	MIP_NL__OPNPDK20110319_132251_000059103100_00326_47323_4605.N1	19MAR2011 13:22:51	19MAR2011 15:01:21	0	0	0	0	0
12	MIP_NL__OPNPDK20110319_150022_000058973100_00327_47324_4607.N1	19MAR2011 15:00:22	19MAR2011 16:38:39	0	0	0	0	0
13	MIP_NL__OPNPDK20110319_163701_000059223100_00328_47325_4608.N1	19MAR2011 16:37:01	19MAR2011 18:15:44	0	0	0	0	0
14	MIP_NL__OPNPDK20110319_181449_000059813100_00329_47326_4609.N1	19MAR2011 18:14:49	19MAR2011 19:54:30	0	0	0	0	0
15	MIP_NL__OPNPDE20110319_195250_000040803100_00330_47327_3140.N1	19MAR2011 19:52:50	19MAR2011 21:00:50	0	0	0	0	0
16	MIP_NL__OPNPDE20110319_205945_000064343100_00330_47327_3141.N1	19MAR2011 20:59:45	19MAR2011 22:46:59	0	0	0	0	0
17	MIP_NL__OPNPDE20110319_224559_000060333100_00331_47328_3142.N1	19MAR2011 22:45:59	20MAR2011 00:26:32	0	0	0	0	0

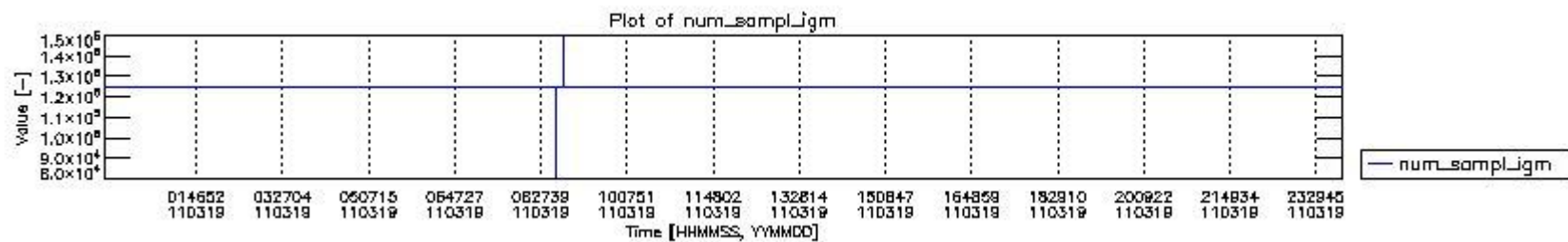
## 0.2 Instrument Operational Performance Parameters

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.

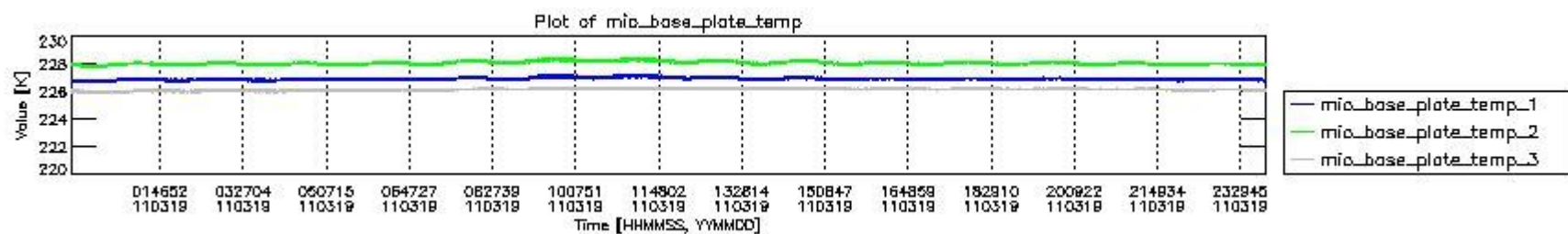
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
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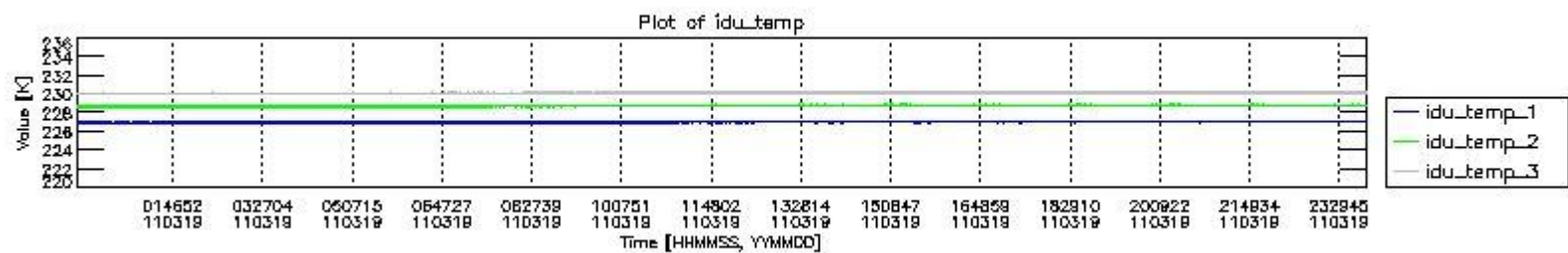
80662	1	0.0024036150
92665	1	0.0024036150
112797	1	0.0024036150
124800	38641	92.878089
124803	2957	7.1074897
127233	1	0.0024036150
147365	1	0.0024036150
149798	1	0.0024036150



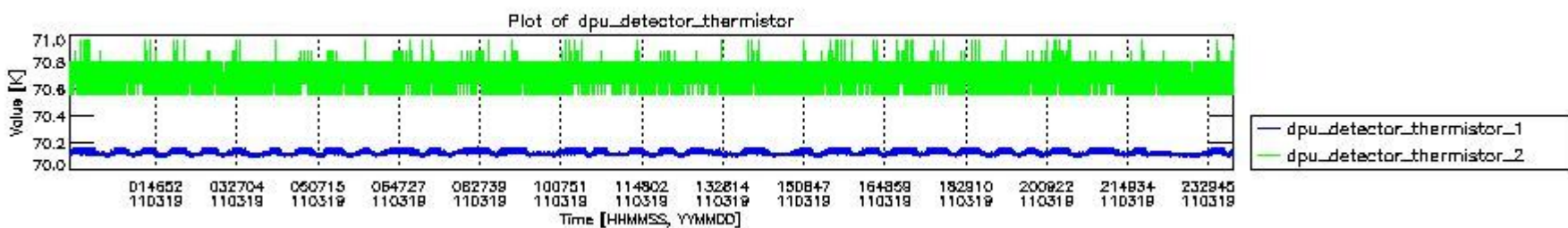
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_0.PNG



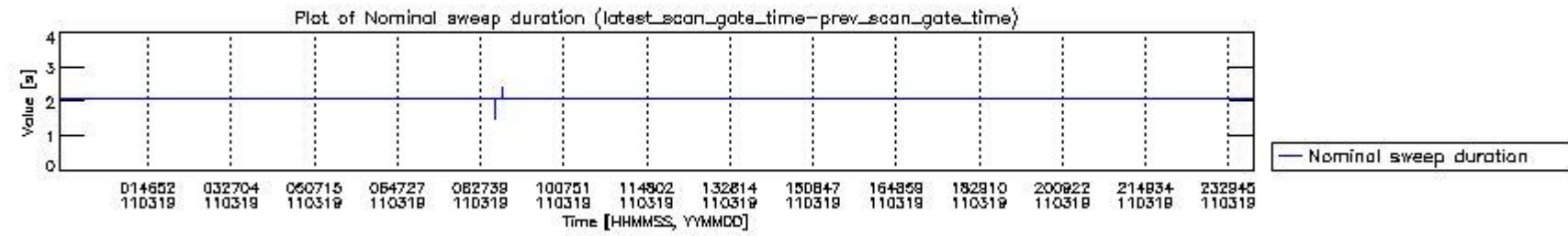
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_1.PNG



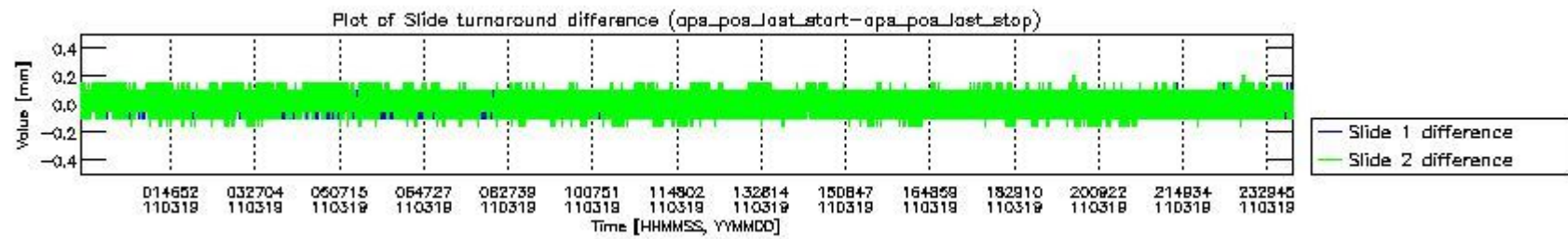
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_2.PNG



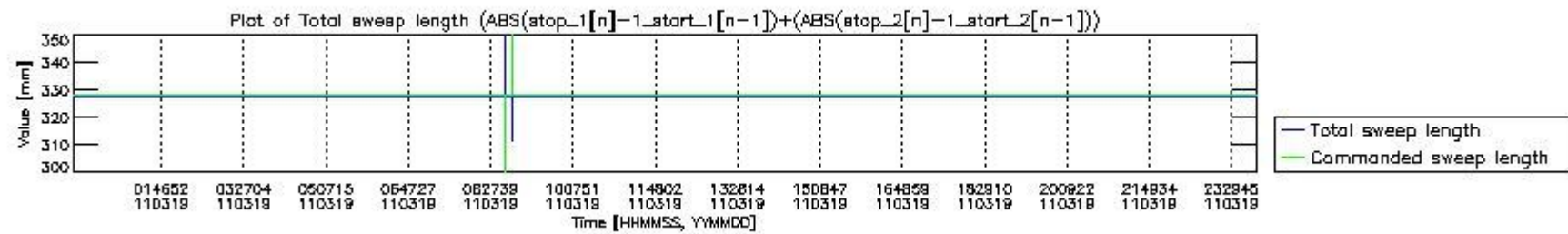
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_3.PNG



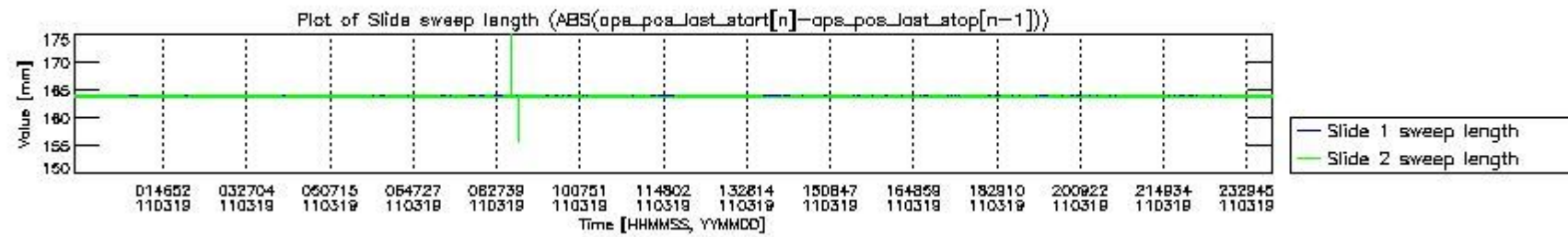
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_4.PNG



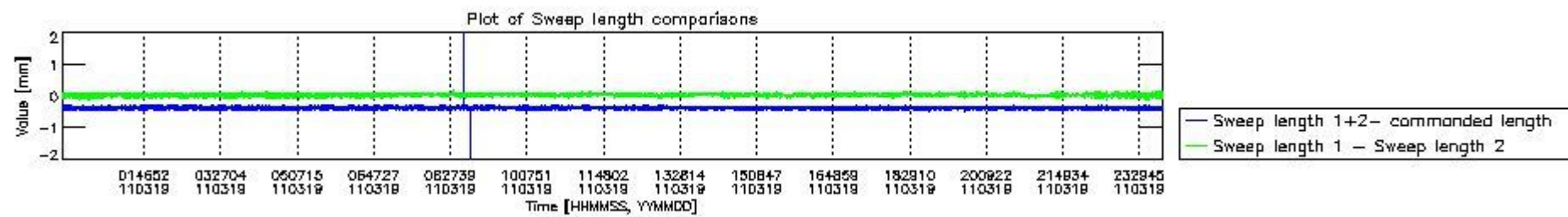
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_5.PNG



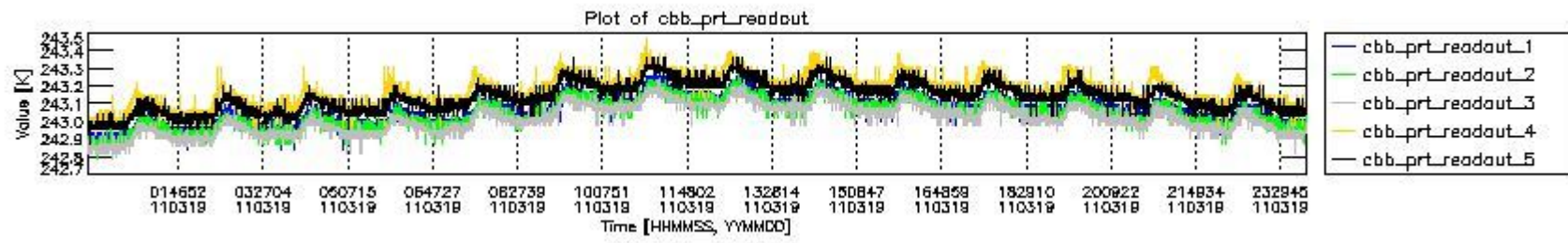
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_6.PNG



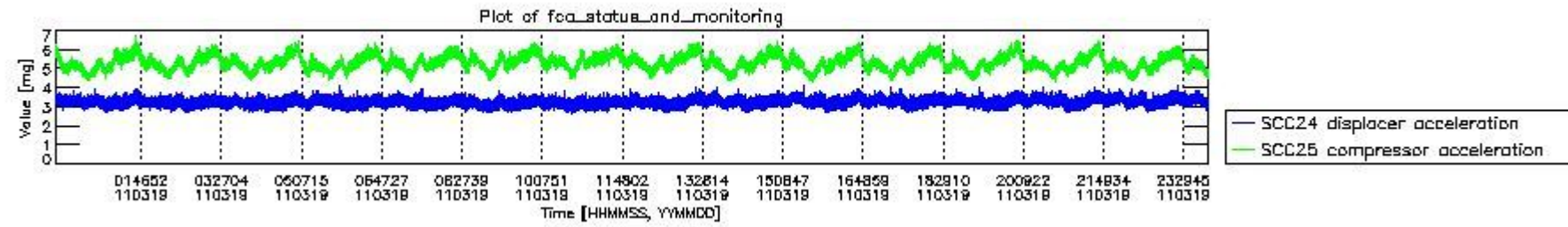
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_9.PNG

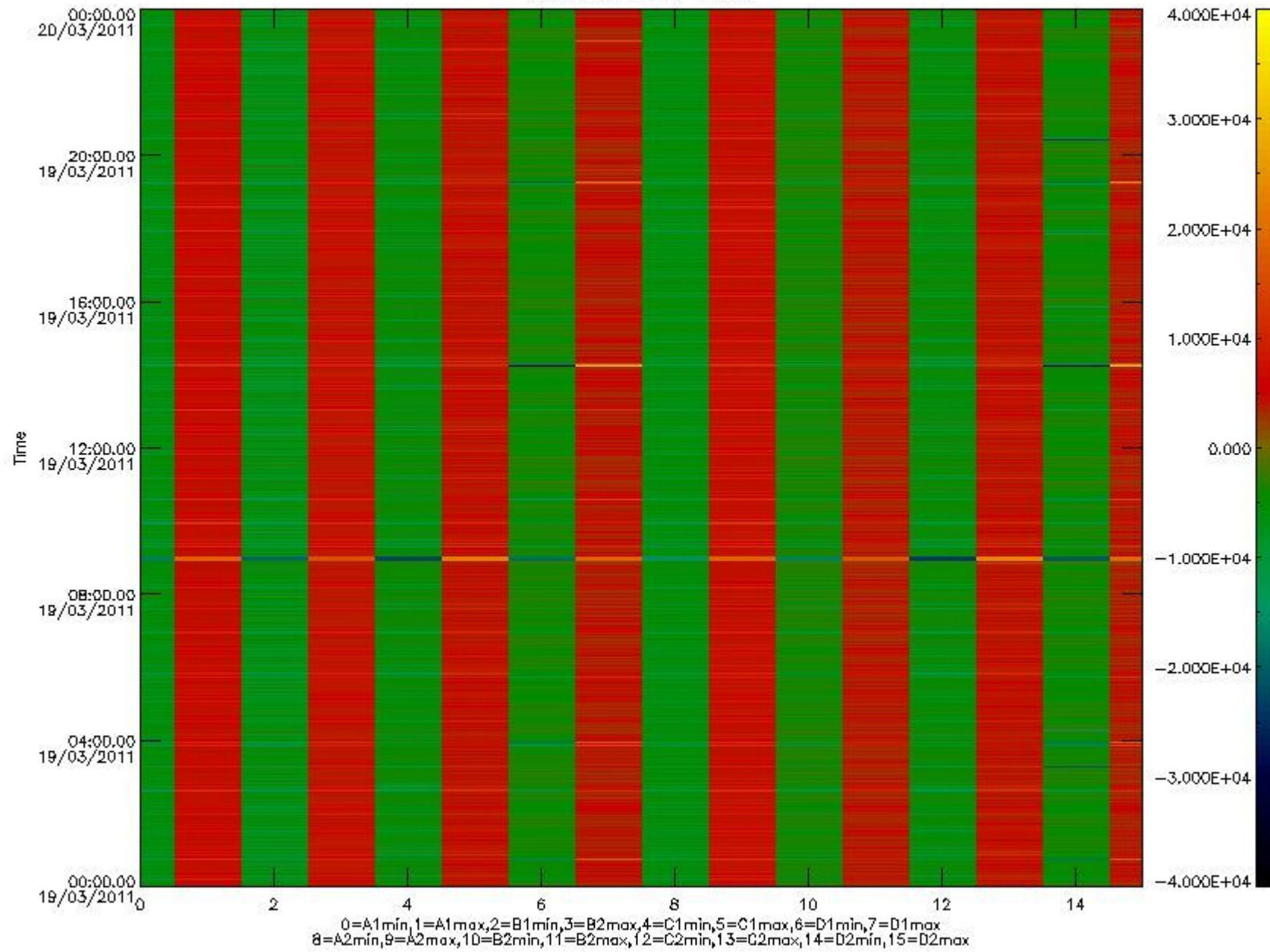


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_10.PNG

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

Channel	Min	Max	ADC
A1	-17716	18753	16bit
B1	-19568	16958	16bit
C1	-23867	23178	16bit
D1	-32768	32767	16bit
A2	-15379	18917	16bit
B2	-17730	17391	16bit
C2	-24309	23861	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\_20110319\_11.PNG

### 0.3 ADF monitoring

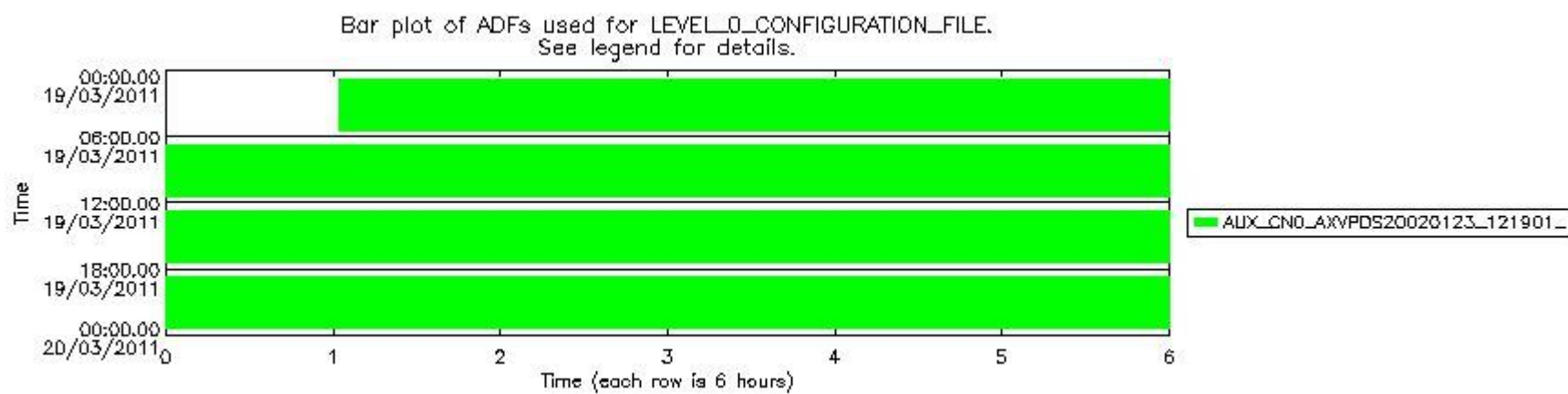
The use of ADFs is shown in two ways:

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.

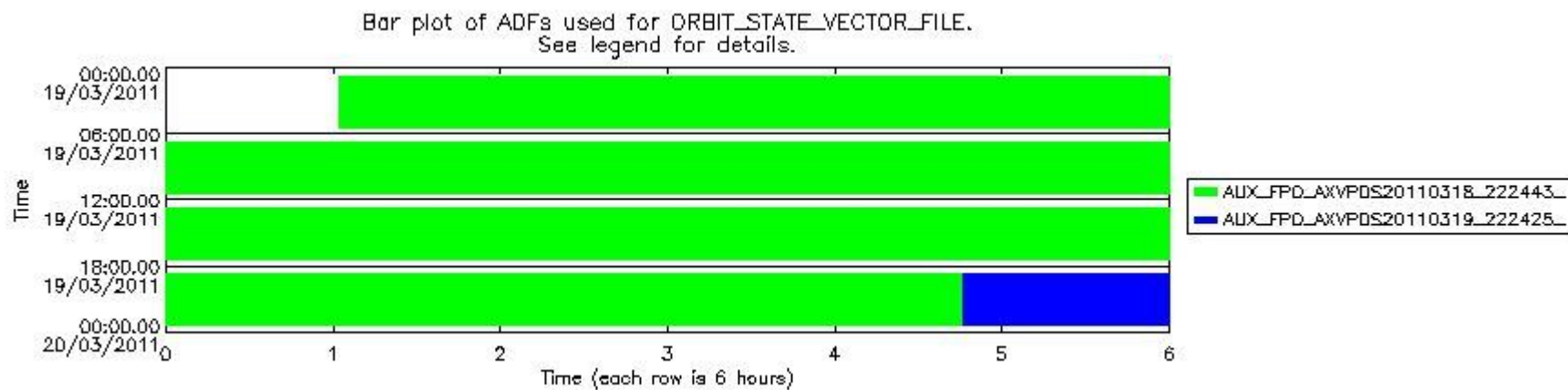
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110318_222443_20110318_183349_20110328_204739
2	AUX_FPO_AXVPDS20110319_222425_20110319_193719_20110329_201055

Number	Product name	#CN0	#FPO
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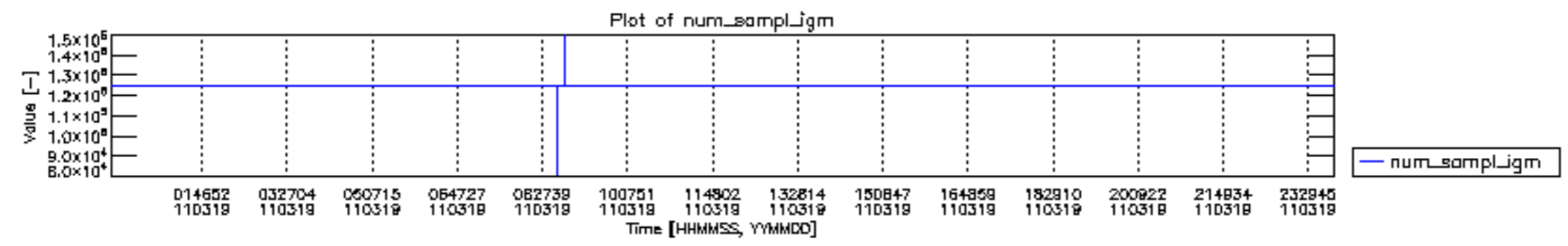
0	MIP_NL__0PNPDE20110319_010226_000102973100_00318_47315_6748.N1	0	1
1	MIP_NL__0PNPDE20110319_014559_000076833100_00319_47316_6751.N1	0	1
2	MIP_NL__0PNPDE20110319_034441_000006963100_00320_47317_3137.N1	0	1
3	MIP_NL__0PNPDE20110319_035329_000061713100_00320_47317_6749.N1	0	1
4	MIP_NL__0PNPDE20110319_053134_000004243100_00321_47318_3138.N1	0	1
5	MIP_NL__0PNPDE20110319_053541_000060713100_00321_47318_6750.N1	0	1
6	MIP_NL__0PNPDE20110319_071203_000004183100_00322_47319_3139.N1	0	1
7	MIP_NL__0PNPDK20110319_071610_000040463100_00322_47319_4601.N1	0	1
8	MIP_NL__0PNPDK20110319_082303_000061833100_00323_47320_4602.N1	0	1
9	MIP_NL__0PNPDK20110319_100522_000059333100_00324_47321_4603.N1	0	1
10	MIP_NL__0PNPDK20110319_114331_000060063100_00325_47322_4604.N1	0	1
11	MIP_NL__0PNPDK20110319_132251_000059103100_00326_47323_4605.N1	0	1
12	MIP_NL__0PNPDK20110319_150022_000058973100_00327_47324_4607.N1	0	1
13	MIP_NL__0PNPDK20110319_163701_000059223100_00328_47325_4608.N1	0	1
14	MIP_NL__0PNPDK20110319_181449_000059813100_00329_47326_4609.N1	0	1
15	MIP_NL__0PNPDE20110319_195250_000040803100_00330_47327_3140.N1	0	1
16	MIP_NL__0PNPDE20110319_205945_000064343100_00330_47327_3141.N1	0	1
17	MIP_NL__0PNPDE20110319_224559_000060333100_00331_47328_3142.N1	0	2

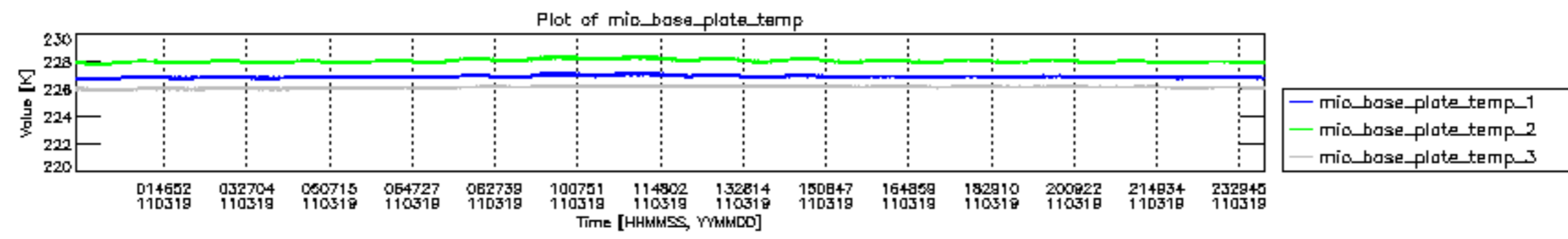


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_12.PNG

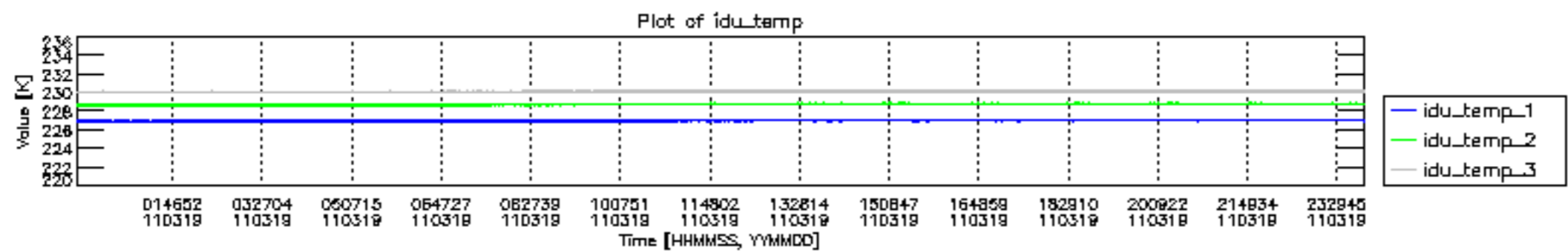


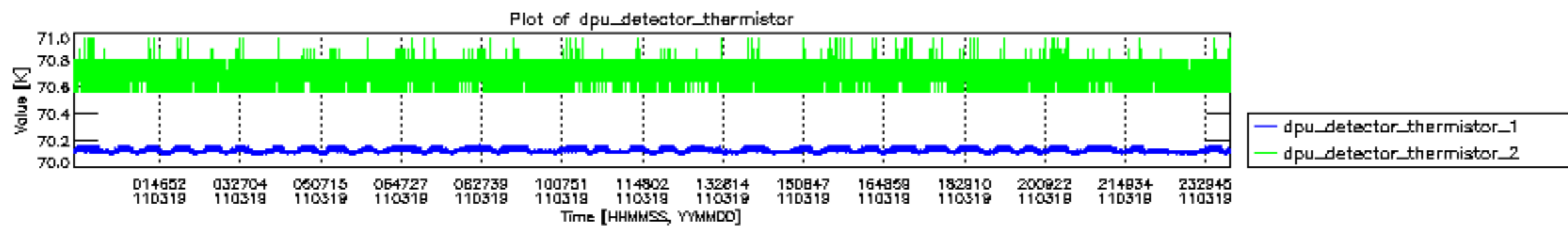
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110319\_13.PNG

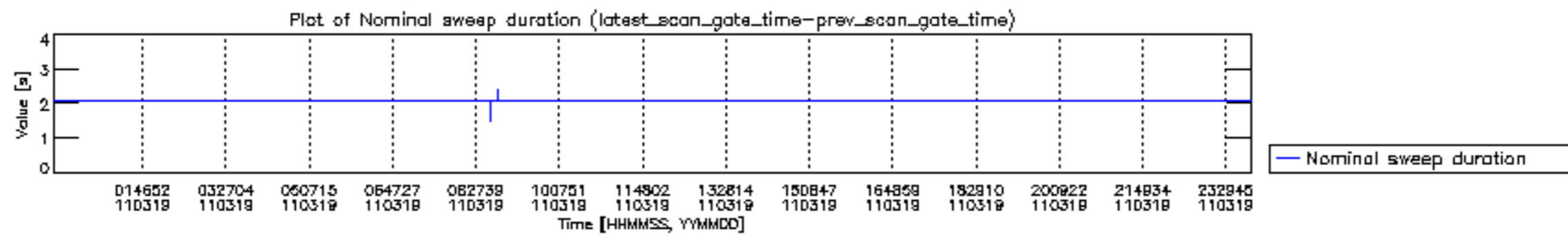


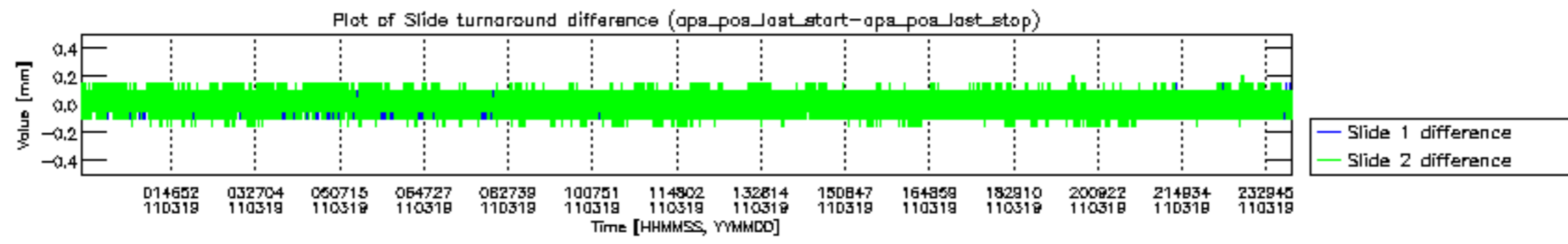


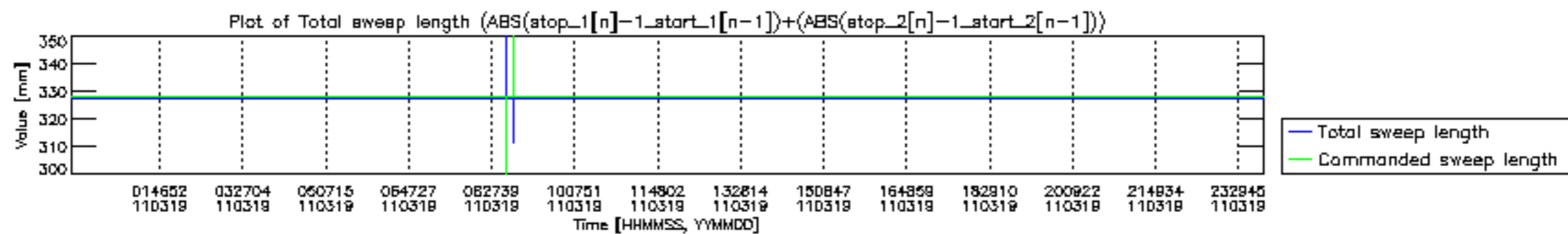


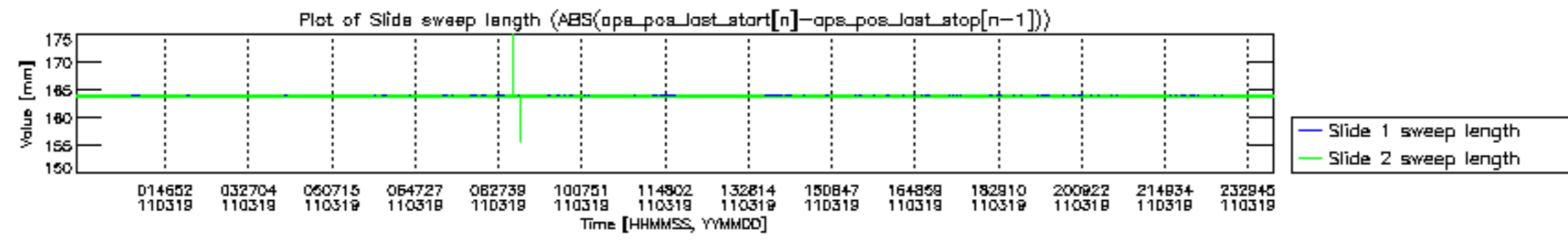


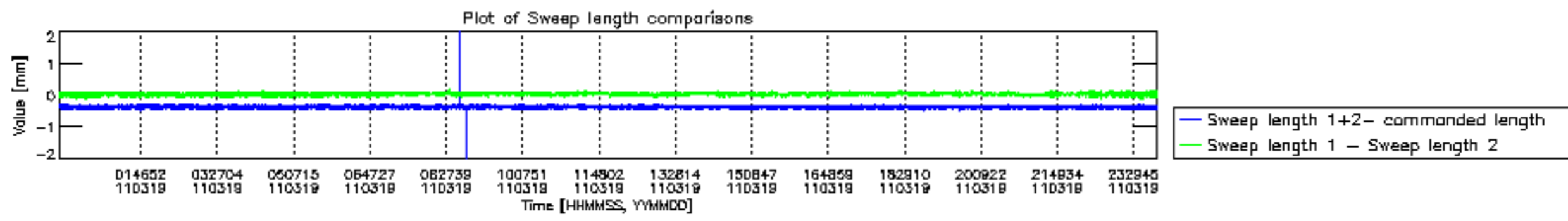


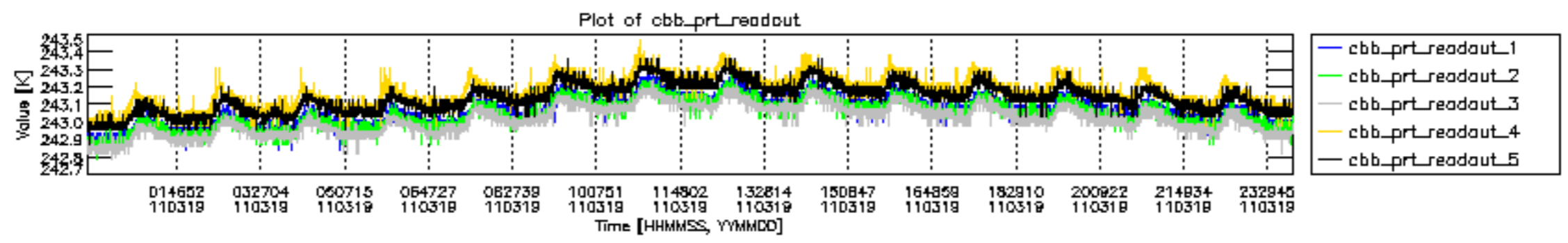




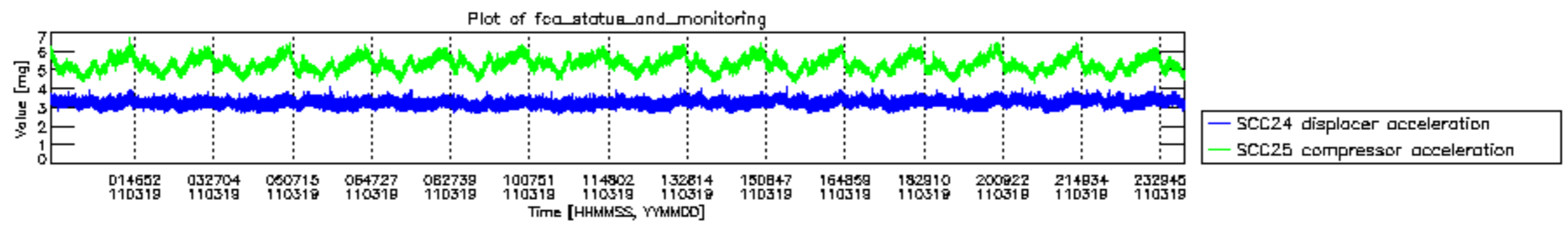












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

