

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	16DEC2010 05:23:13
Data source version	KSPT_L0/4504-N
Processing scope for products	11DEC2010 00:00:00 to 12DEC2010 00:00:00
Start time of first product within scope	11DEC2010 00:54:04
Stop time of last product within scope	12DEC2010 00:18:25
Total number of level 0 products	20
Number of level 0 products with errors	5

### 0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

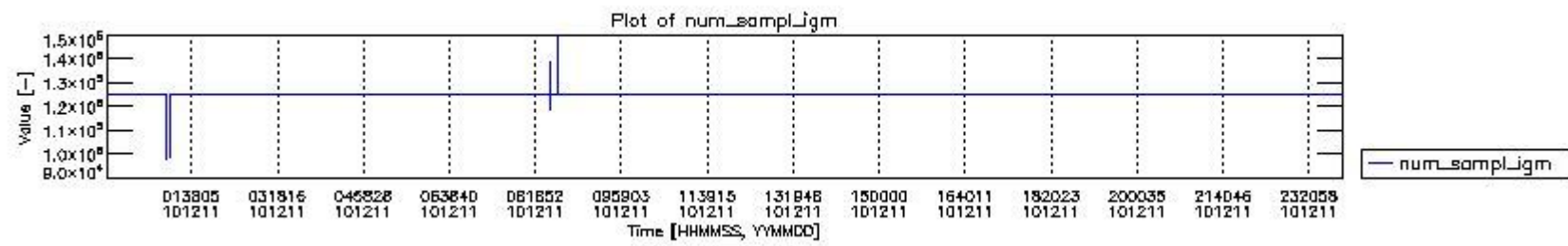
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20101211_005404_000102363097_00203_45907_2474.N1	11DEC2010 00:54:04	11DEC2010 03:44:40	0	0	0	0	0
1	MIP_NL__0PNPDE20101211_011340_000013373097_00204_45908_6139.N1	11DEC2010 01:13:40	11DEC2010 01:35:57	0	0	0	0	0
2	MIP_NL__0PNPDE20101211_013601_000077193097_00204_45908_6138.N1	11DEC2010 01:36:01	11DEC2010 03:44:40	0	0	0	0	0
3	MIP_NL__0PNPDE20101211_034407_000062763097_00205_45909_2475.N1	11DEC2010 03:44:07	11DEC2010 05:28:42	0	0	0	0	0
4	MIP_NL__0PNPDE20101211_052809_000060333097_00206_45910_2476.N1	11DEC2010 05:28:09	11DEC2010 07:08:42	0	0	0	0	0
5	MIP_NL__0PNPDK20101211_070809_000039633097_00207_45911_3519.N1	11DEC2010 07:08:09	11DEC2010 08:14:11	0	0	0	0	0
6	MIP_NL__0PNPDK20101211_081311_000062513097_00208_45912_3536.N1	11DEC2010 08:13:11	11DEC2010 09:57:22	1	1	1	0	0
7	MIP_NL__0PNPDK20101211_094901_000000873097_00209_45913_3524.N1	11DEC2010 09:49:01	11DEC2010 09:50:28	1	1	0	0	0
8	MIP_NL__0PNPDK20101211_095024_000000023097_00209_45913_3521.N1	11DEC2010 09:50:24	11DEC2010 09:50:26	1	1	0	0	0
9	MIP_NL__0PNPDK20101211_095026_000000023097_00209_45913_3526.N1	11DEC2010 09:50:26	11DEC2010 09:50:29	1	1	0	0	0
10	MIP_NL__0PNPDK20101211_095029_000004143097_00209_45913_3535.N1	11DEC2010 09:50:29	11DEC2010 09:57:22	1	1	0	0	0
11	MIP_NL__0PNPDK20101211_095552_000060143097_00209_45913_3537.N1	11DEC2010 09:55:52	11DEC2010 11:36:07	0	0	0	0	0
12	MIP_NL__0PNPDK20101211_113426_000059563097_00210_45914_3538.N1	11DEC2010 11:34:26	11DEC2010 13:13:42	0	0	0	0	0
13	MIP_NL__0PNPDK20101211_131250_000059293097_00211_45915_3539.N1	11DEC2010 13:12:50	11DEC2010 14:51:39	0	0	0	0	0
14	MIP_NL__0PNPDK20101211_145059_000058603097_00212_45916_3540.N1	11DEC2010 14:50:59	11DEC2010 16:28:39	0	0	0	0	0
15	MIP_NL__0PNPDK20101211_162655_000060233097_00213_45917_3541.N1	11DEC2010 16:26:55	11DEC2010 18:07:17	0	0	0	0	0
16	MIP_NL__0PNPDK20101211_180615_000060373097_00214_45918_3542.N1	11DEC2010 18:06:15	11DEC2010 19:46:52	0	0	0	0	0
17	MIP_NL__0PNPDE20101211_194455_000040243097_00215_45919_2477.N1	11DEC2010 19:44:55	11DEC2010 20:51:59	0	0	0	0	0
18	MIP_NL__0PNPDE20101211_205058_000064993097_00215_45919_2478.N1	11DEC2010 20:50:58	11DEC2010 22:39:17	0	0	0	0	0
19	MIP_NL__0PNPDE20101211_223812_000060123097_00216_45920_2479.N1	11DEC2010 22:38:12	12DEC2010 00:18:25	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

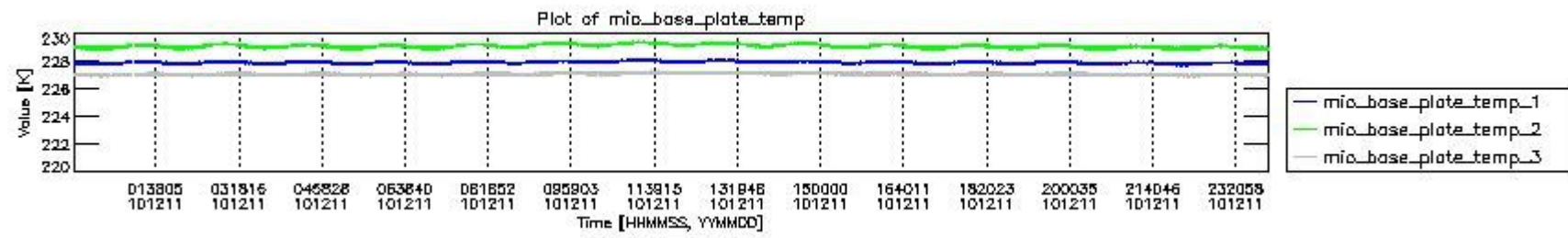
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

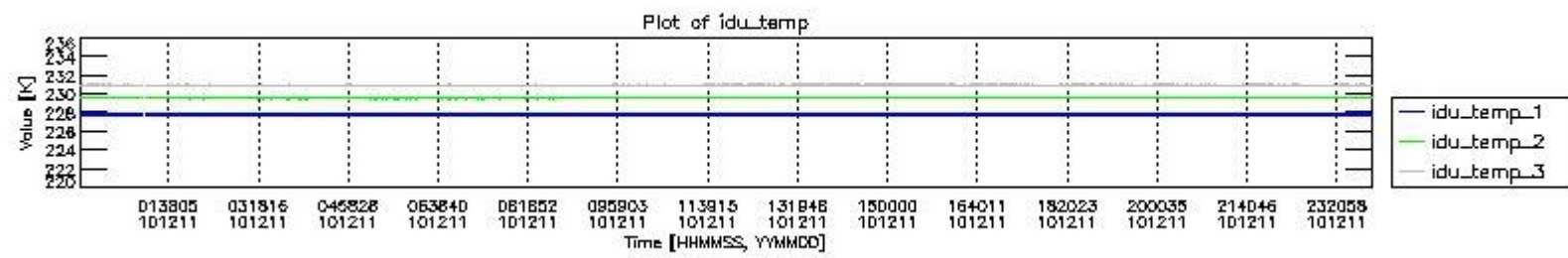
Number of igm samples	Count [#]	Count [%]
97612	1	0.0024117888
98699	1	0.0024117888
101140	1	0.0024117888
118610	1	0.0024117888
121272	1	0.0024117888
123102	1	0.0024117888
123951	1	0.0024117888
124800	38521	92.904517
124803	2930	7.0665413
127233	1	0.0024117888
132552	1	0.0024117888
138742	1	0.0024117888
147365	1	0.0024117888
149798	1	0.0024117888



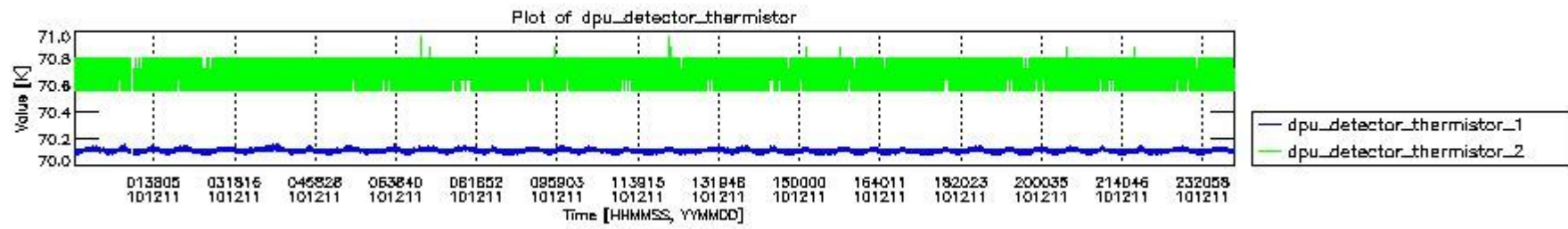
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_0.PNG



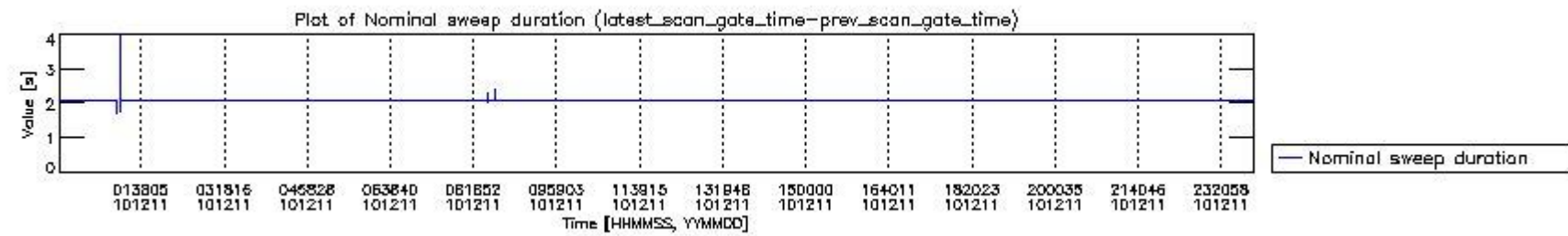
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_1.PNG



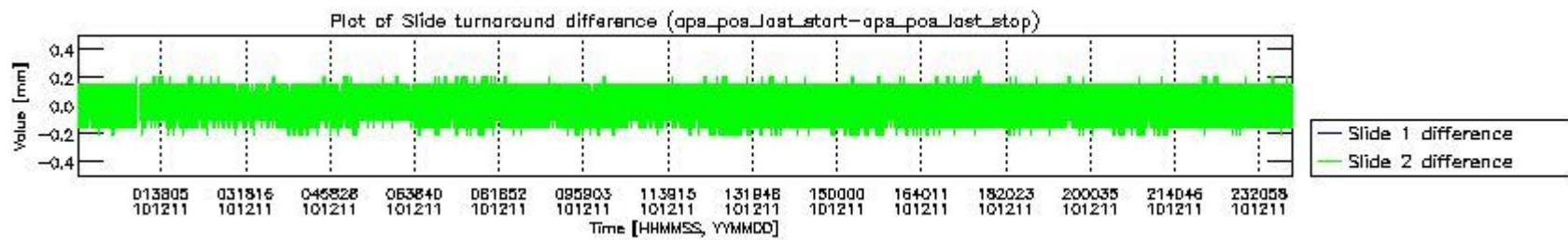
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_2.PNG



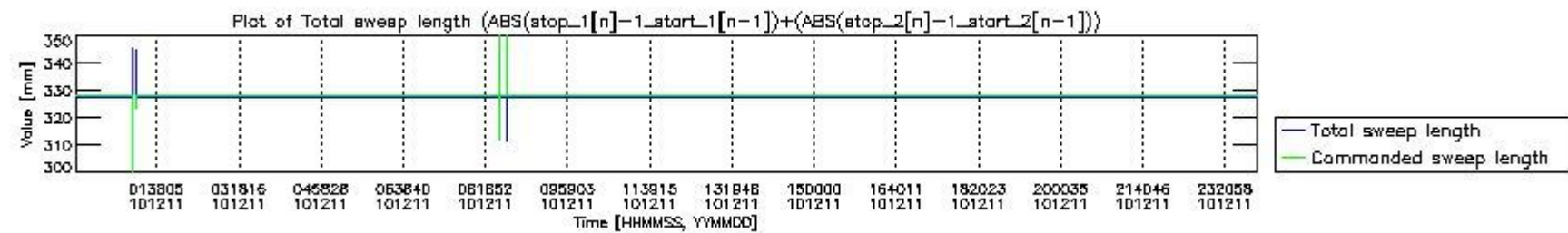
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_3.PNG



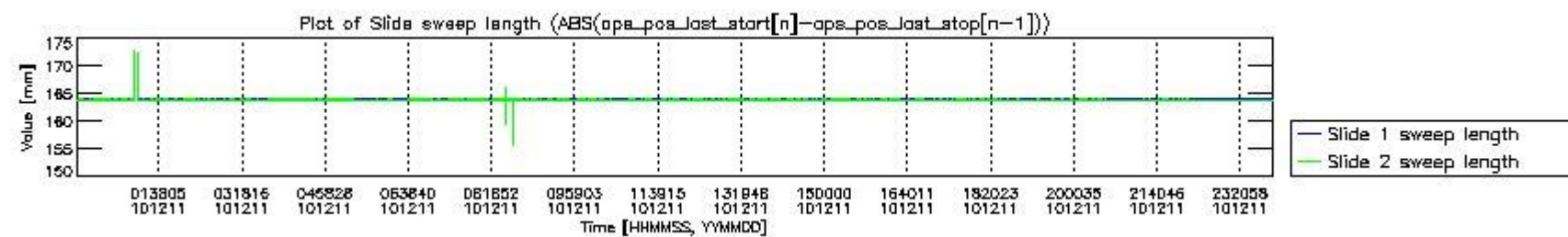
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_4.PNG



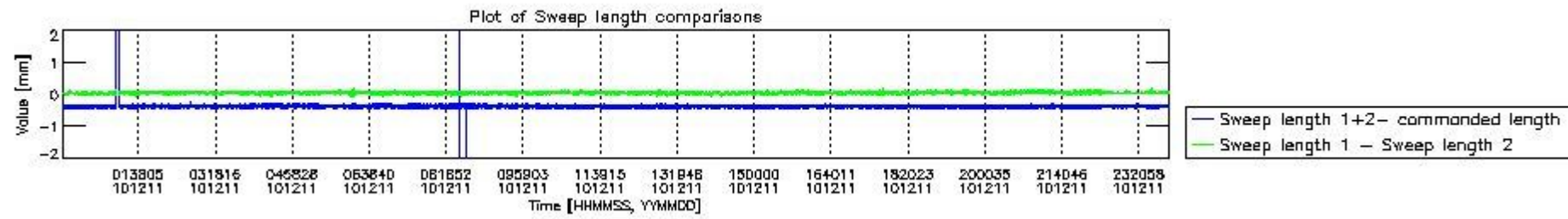
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_5.PNG



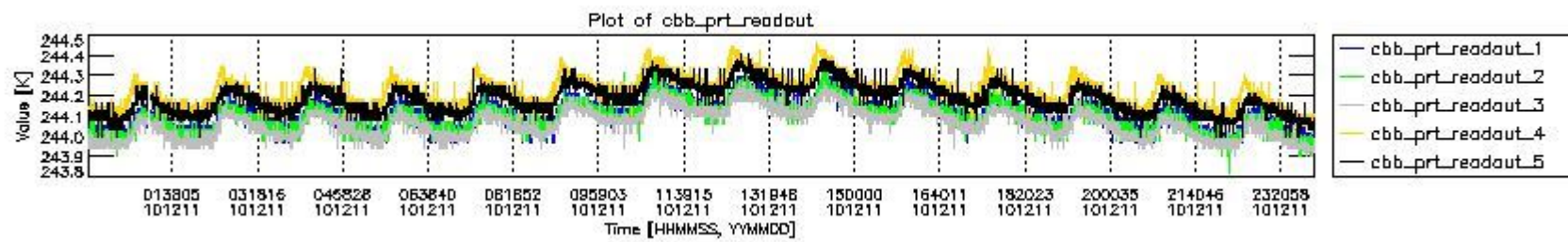
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_6.PNG



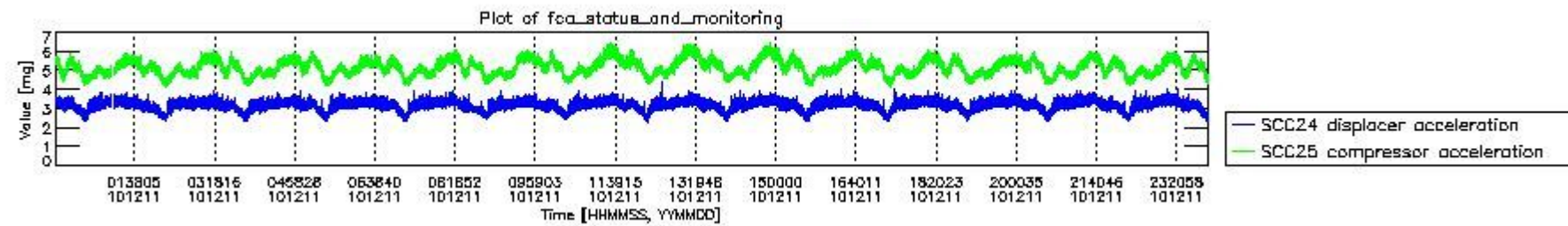
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_9.PNG



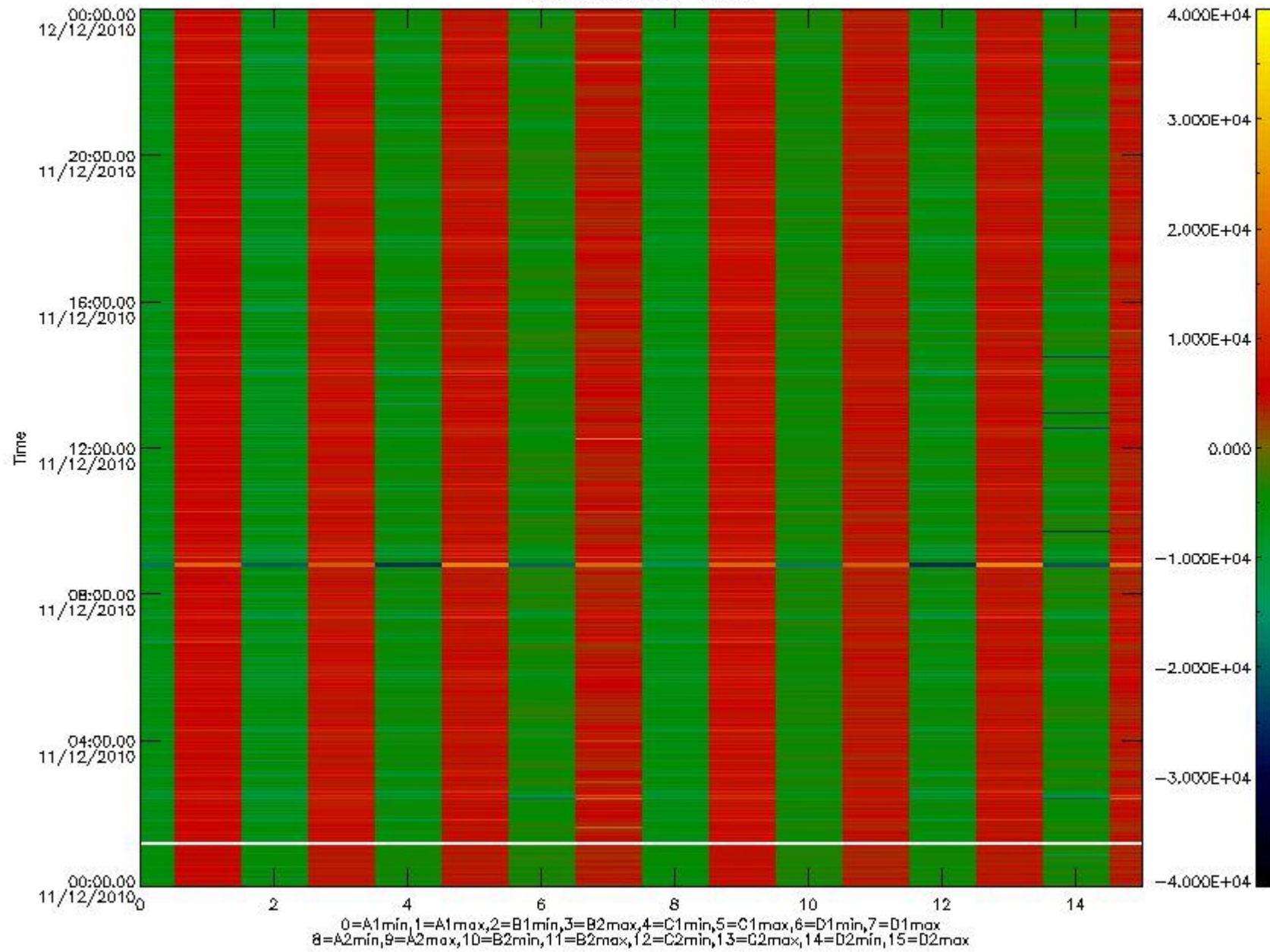
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_10.PNG

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

Channel	Min	Max	ADC
A1	-18350	19515	16bit
B1	-20260	17455	16bit
C1	-24430	24361	16bit
D1	-32768	32767	16bit
A2	-15852	19632	16bit
B2	-18371	17979	16bit
C2	-25427	25038	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\_20101211\_11.PNG

### 0.3 ADF monitoring

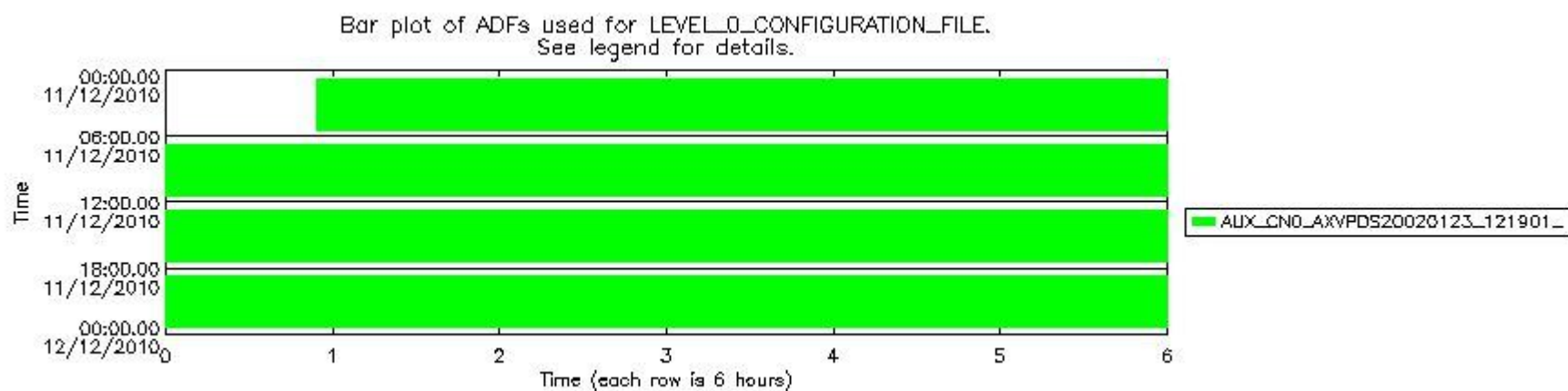
The use of ADFs is shown in two ways:

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.

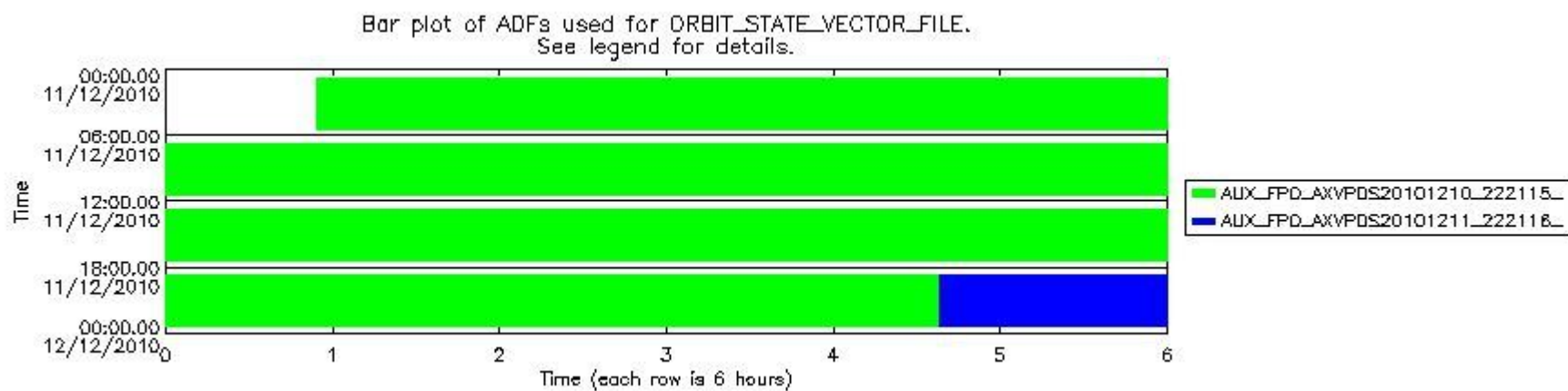
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101210_222115_20101210_182501_20101220_203854
2	AUX_FPO_AXVPDS20101211_222116_20101211_192831_20101221_200211

Number	Product name	#CN0	#FPO
--------	--------------	------	------

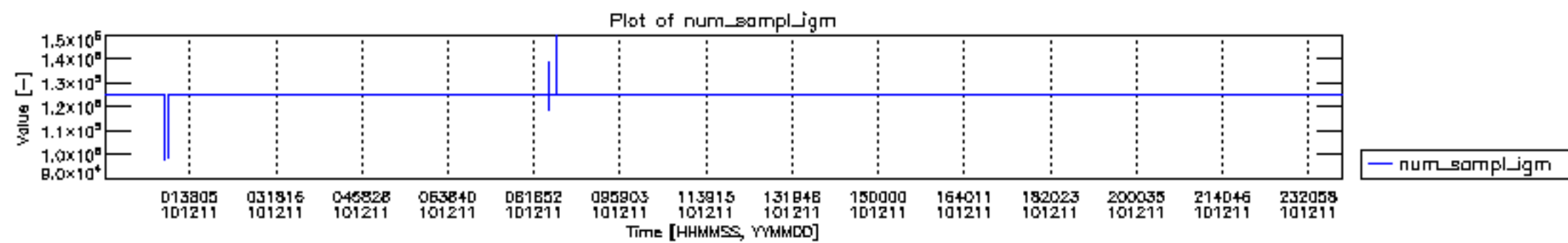
0	MIP_NL__0PNPDE20101211_005404_000102363097_00203_45907_2474.N1	0	1
1	MIP_NL__0PNPDE20101211_011340_000013373097_00204_45908_6139.N1	0	1
2	MIP_NL__0PNPDE20101211_013601_000077193097_00204_45908_6138.N1	0	1
3	MIP_NL__0PNPDE20101211_034407_000062763097_00205_45909_2475.N1	0	1
4	MIP_NL__0PNPDE20101211_052809_000060333097_00206_45910_2476.N1	0	1
5	MIP_NL__0PNPDK20101211_070809_000039633097_00207_45911_3519.N1	0	1
6	MIP_NL__0PNPDK20101211_081311_000062513097_00208_45912_3536.N1	0	1
7	MIP_NL__0PNPDK20101211_094901_000000873097_00209_45913_3524.N1	0	1
8	MIP_NL__0PNPDK20101211_095024_000000023097_00209_45913_3521.N1	0	1
9	MIP_NL__0PNPDK20101211_095026_000000023097_00209_45913_3526.N1	0	1
10	MIP_NL__0PNPDK20101211_095029_000004143097_00209_45913_3535.N1	0	1
11	MIP_NL__0PNPDK20101211_095552_000060143097_00209_45913_3537.N1	0	1
12	MIP_NL__0PNPDK20101211_113426_000059563097_00210_45914_3538.N1	0	1
13	MIP_NL__0PNPDK20101211_131250_000059293097_00211_45915_3539.N1	0	1
14	MIP_NL__0PNPDK20101211_145059_000058603097_00212_45916_3540.N1	0	1
15	MIP_NL__0PNPDK20101211_162655_000060233097_00213_45917_3541.N1	0	1
16	MIP_NL__0PNPDK20101211_180615_000060373097_00214_45918_3542.N1	0	1
17	MIP_NL__0PNPDE20101211_194455_000040243097_00215_45919_2477.N1	0	1
18	MIP_NL__0PNPDE20101211_205058_000064993097_00215_45919_2478.N1	0	1
19	MIP_NL__0PNPDE20101211_223812_000060123097_00216_45920_2479.N1	0	2

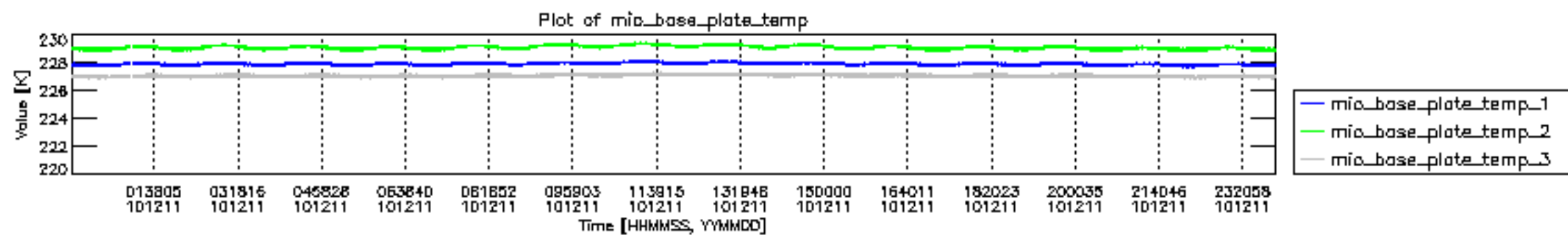


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_12.PNG

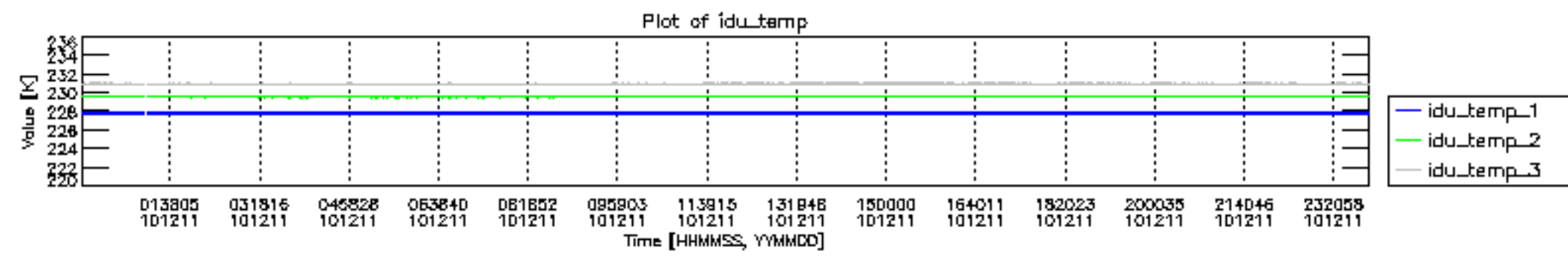


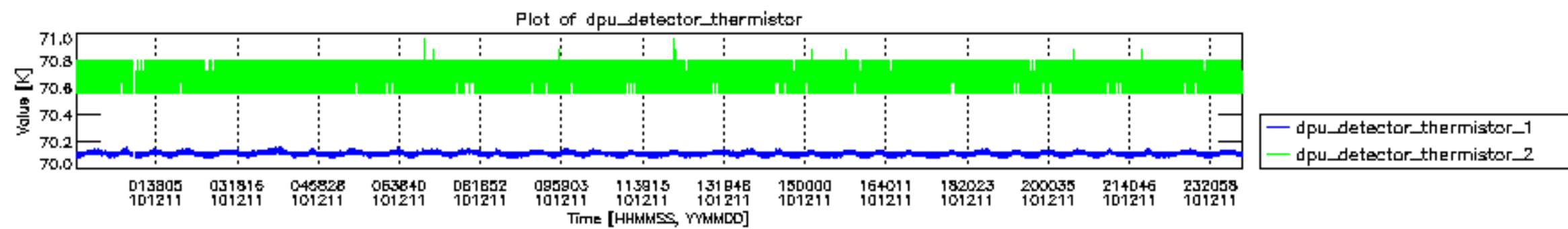
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101211\_13.PNG

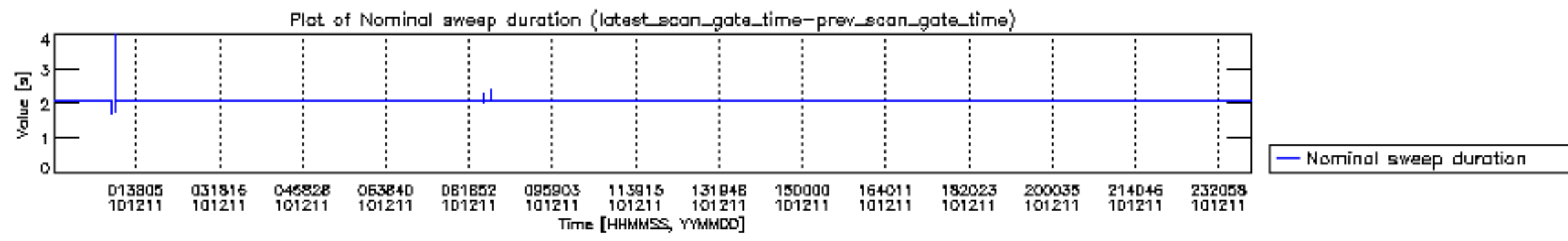


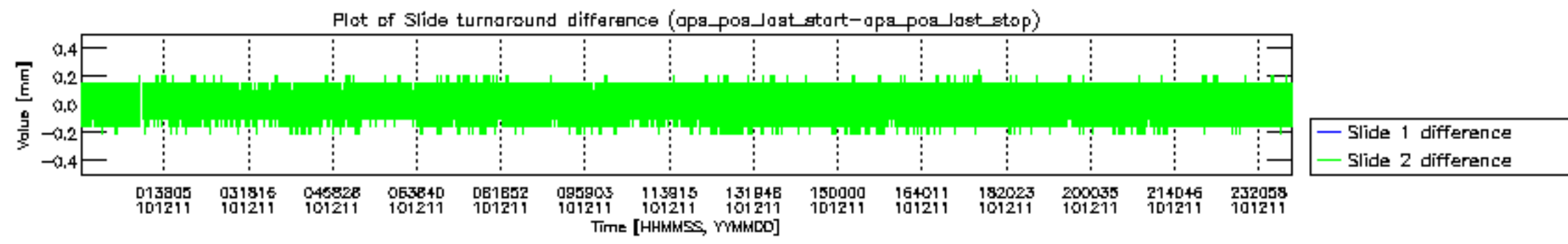


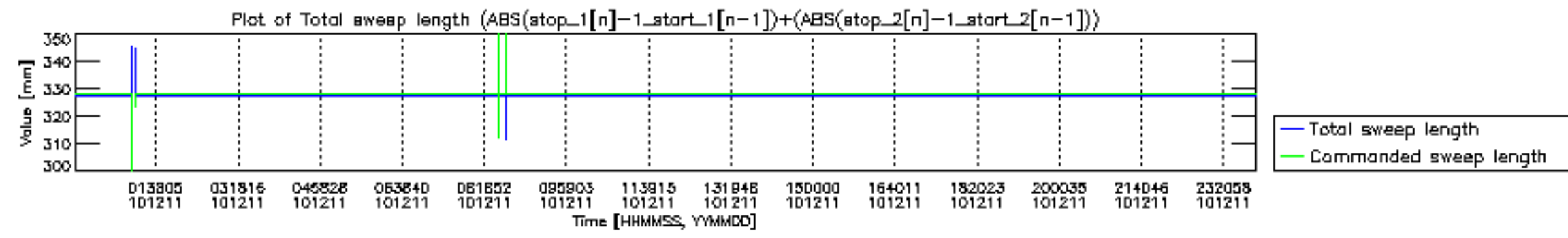




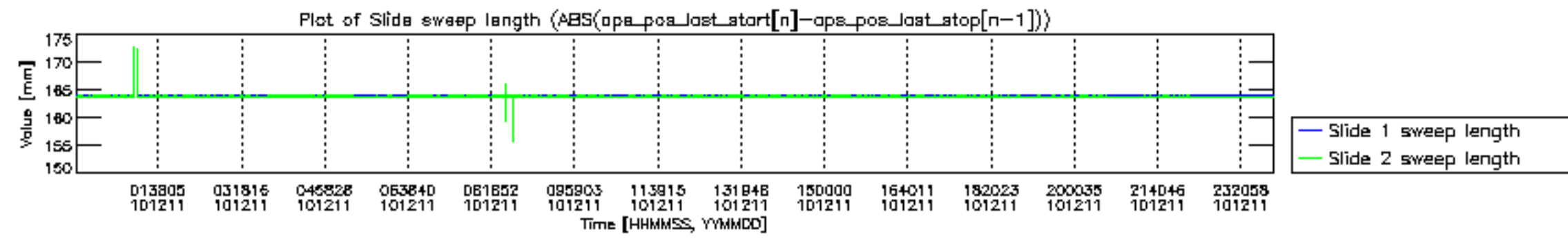


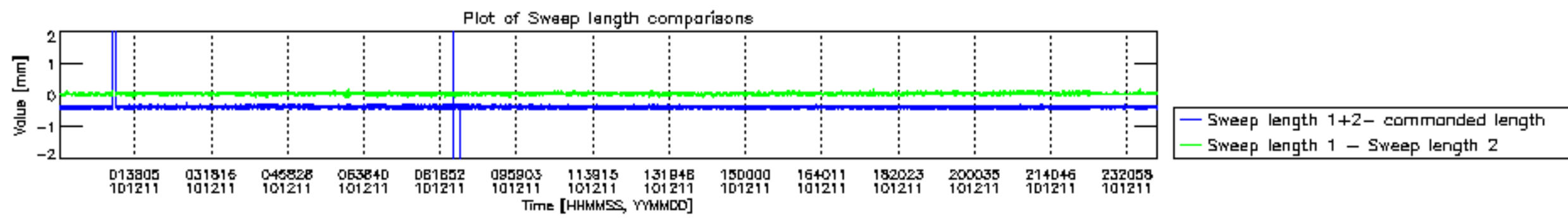


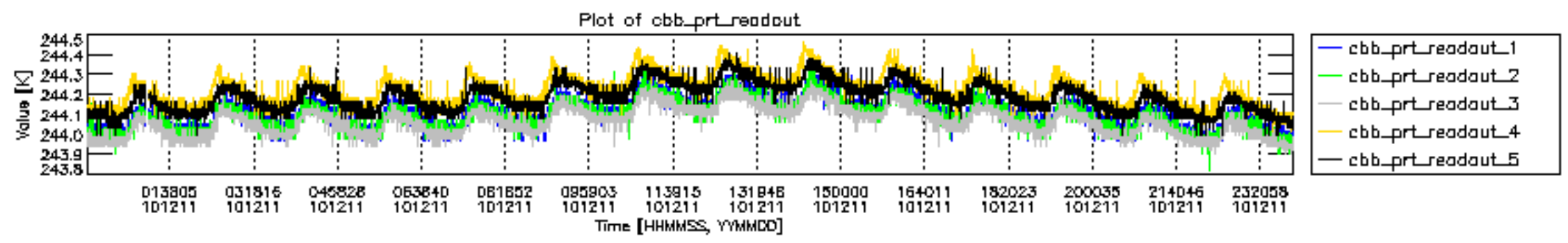


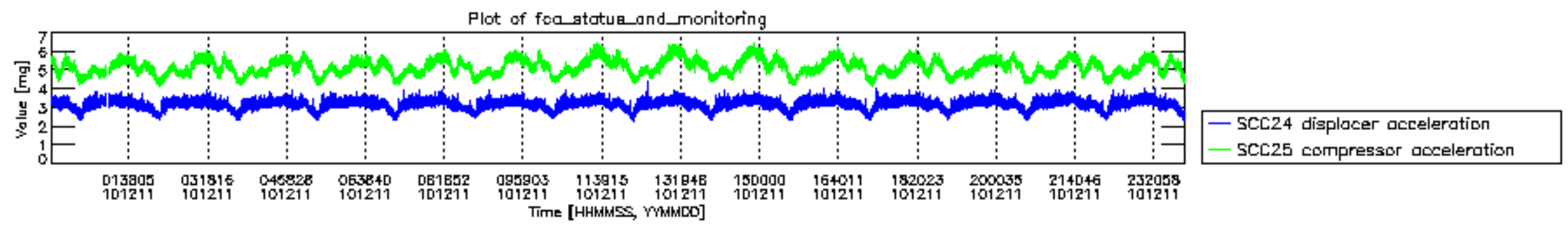












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

