

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	15JUL2011 05:23:58
Data source version	KSPT_L0/4504-N
Processing scope for products	10JUL2011 00:00:00 to 11JUL2011 00:00:00
Start time of first product within scope	10JUL2011 00:20:56
Stop time of last product within scope	11JUL2011 01:24:36
Total number of level 0 products	19
Number of level 0 products with errors	4

0.1.2 Product Quality Indicators per product

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

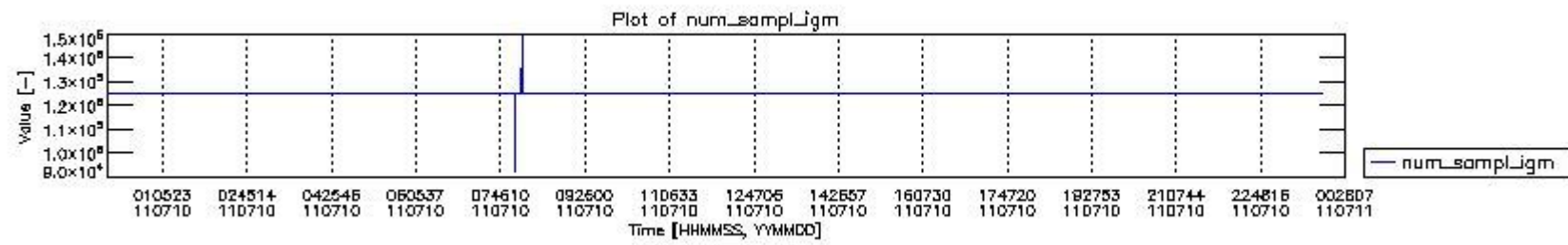
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110710_002056_000058523104_00217_48938_9203.N1	10JUL2011 00:20:56	10JUL2011 01:58:28	0	0	0	0	0
1	MIP_NL__0PNPDE20110710_015713_000045653104_00218_48939_9204.N1	10JUL2011 01:57:13	10JUL2011 03:13:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110710_031244_000061463104_00219_48940_9205.N1	10JUL2011 03:12:44	10JUL2011 04:55:10	0	0	0	0	0
3	MIP_NL__0PNPDE20110710_045434_000060123104_00220_48941_9206.N1	10JUL2011 04:54:34	10JUL2011 06:34:47	0	0	0	0	0
4	MIP_NL__0PNPDK20110710_063413_000041553104_00221_48942_5718.N1	10JUL2011 06:34:13	10JUL2011 07:43:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110710_074257_000060463104_00222_48943_5719.N1	10JUL2011 07:42:57	10JUL2011 09:23:43	0	0	0	0	0
6	MIP_NL__0PNPDK20110710_092259_000060563104_00223_48944_5720.N1	10JUL2011 09:22:59	10JUL2011 11:03:55	0	0	0	0	0
7	MIP_NL__0PNPDK20110710_110322_000059063104_00224_48945_5730.N1	10JUL2011 11:03:22	10JUL2011 12:41:47	1	1	0	0	0
8	MIP_NL__0PNPDK20110710_110330_000010403104_00224_48945_5725.N1	10JUL2011 11:03:30	10JUL2011 11:20:50	1	1	0	0	0
9	MIP_NL__0PNPDK20110710_112050_000048573104_00224_48945_5729.N1	10JUL2011 11:20:50	10JUL2011 12:41:47	1	1	0	0	0
10	MIP_NL__0PNPDK20110710_124114_000059943104_00225_48946_5731.N1	10JUL2011 12:41:14	10JUL2011 14:21:08	0	0	0	0	0
11	MIP_NL__0PNPDK20110710_142034_000058453104_00226_48947_5732.N1	10JUL2011 14:20:34	10JUL2011 15:57:59	0	0	0	0	0
12	MIP_NL__0PNPDK20110710_155718_000058933104_00227_48948_5733.N1	10JUL2011 15:57:18	10JUL2011 17:35:31	0	0	0	0	0
13	MIP_NL__0PNPDK20110710_173434_000058703104_00228_48949_5737.N1	10JUL2011 17:34:34	10JUL2011 19:12:25	1	1	0	0	0
14	MIP_NL__0PNPDK20110710_182637_000027473104_00228_48949_5735.N1	10JUL2011 18:26:37	10JUL2011 19:12:25	0	0	0	0	0
15	MIP_NL__0PNPDK20110710_191128_000061383104_00229_48950_5736.N1	10JUL2011 19:11:28	10JUL2011 20:53:46	0	0	0	0	0
16	MIP_NL__0PNPDE20110710_205206_000043013104_00230_48951_9207.N1	10JUL2011 20:52:06	10JUL2011 22:03:47	0	0	0	0	0
17	MIP_NL__0PNPDE20110710_220244_000062073104_00230_48951_9208.N1	10JUL2011 22:02:44	10JUL2011 23:46:11	0	0	0	0	0
18	MIP_NL__0PNPDE20110710_234506_000059703104_00231_48952_9209.N1	10JUL2011 23:45:06	11JUL2011 01:24:36	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

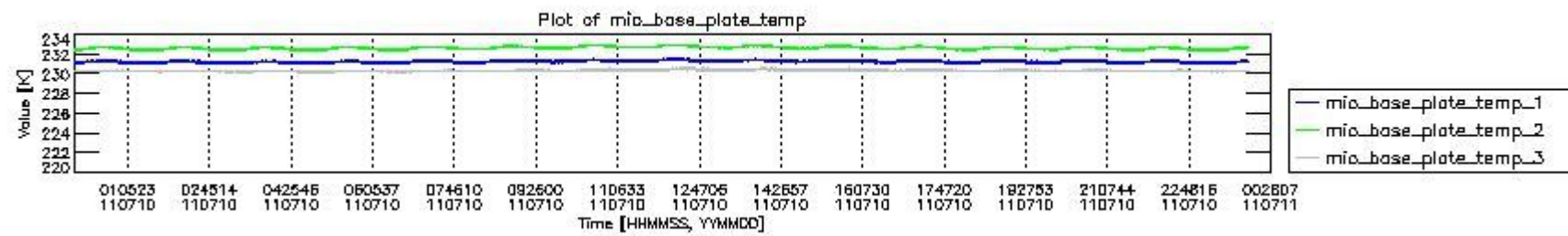
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

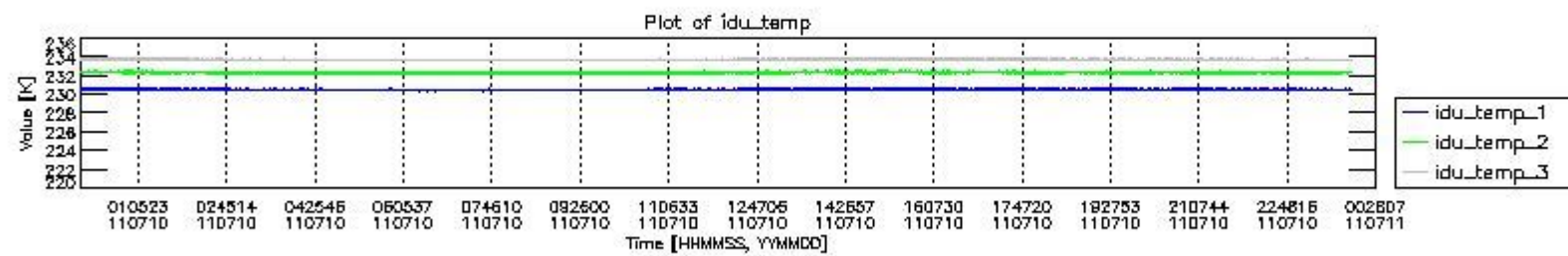
Number of igm samples	Count [#]	Count [%]
92556	1	0.0024045976
98612	1	0.0024045976
118744	1	0.0024045976
124800	38429	92.406281
124803	3152	7.5792916
127233	1	0.0024045976
147365	1	0.0024045976
149798	1	0.0024045976



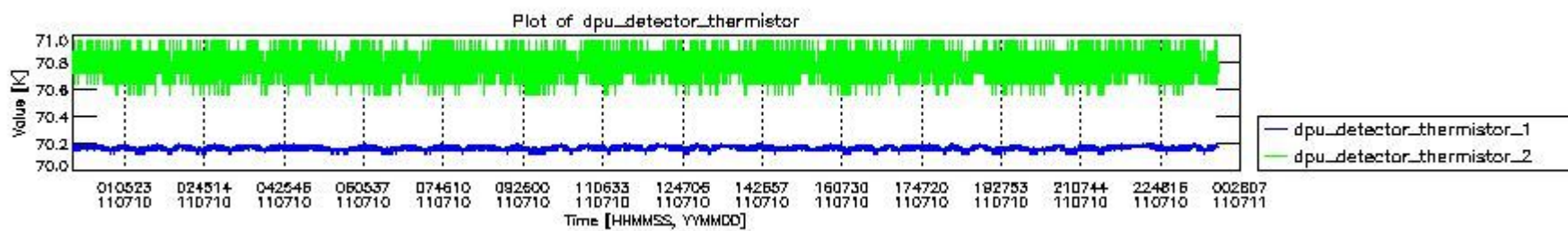
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_0.PNG



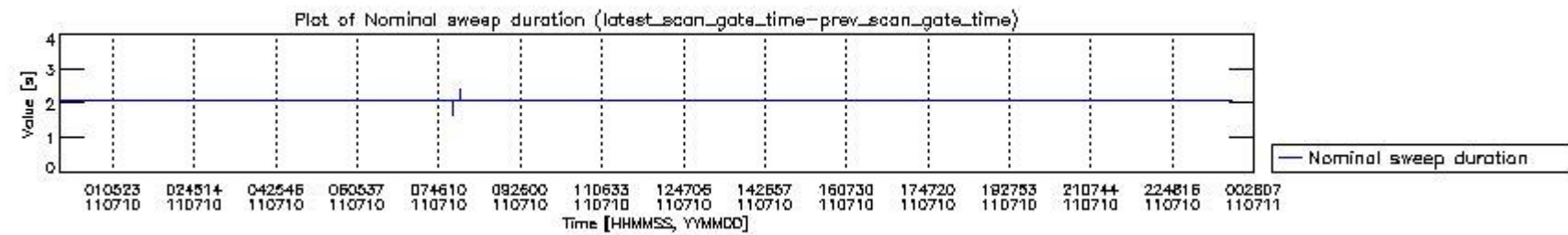
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_1.PNG



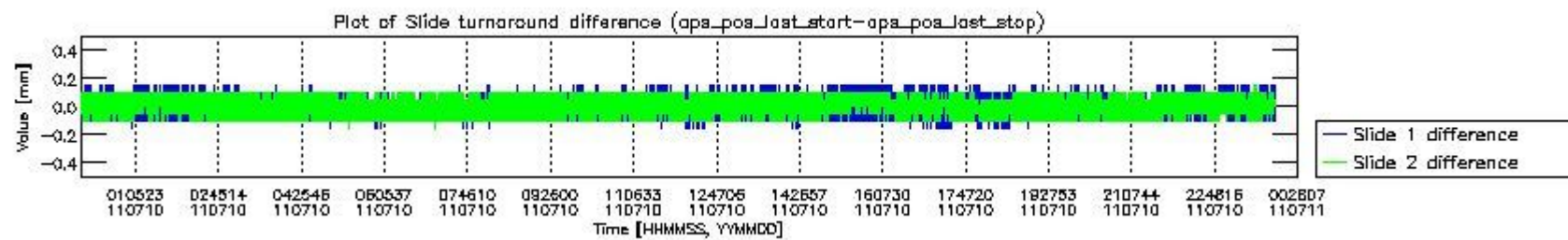
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_2.PNG



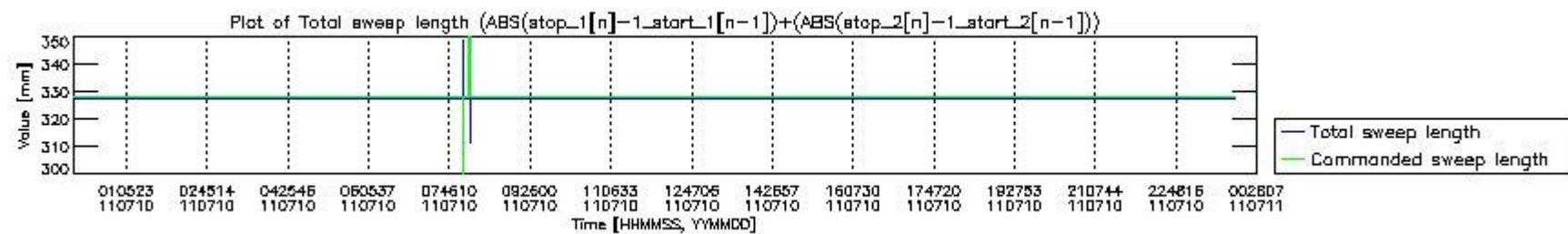
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_3.PNG



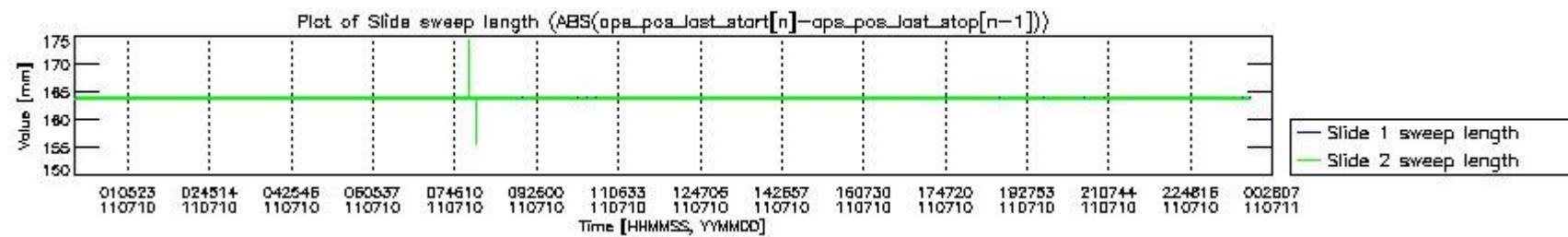
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_4.PNG



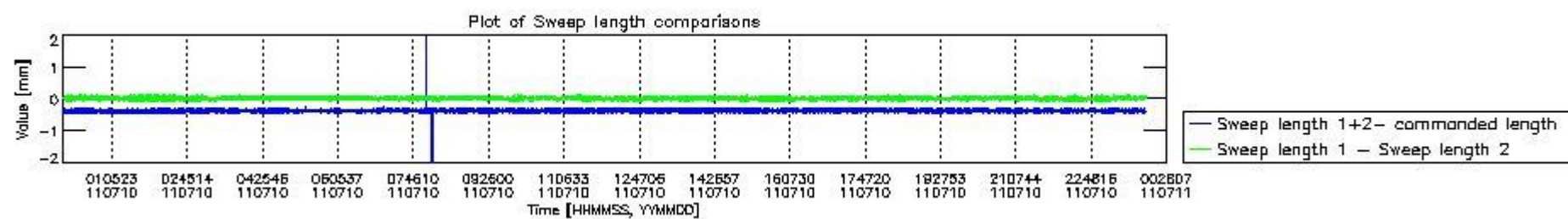
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_5.PNG



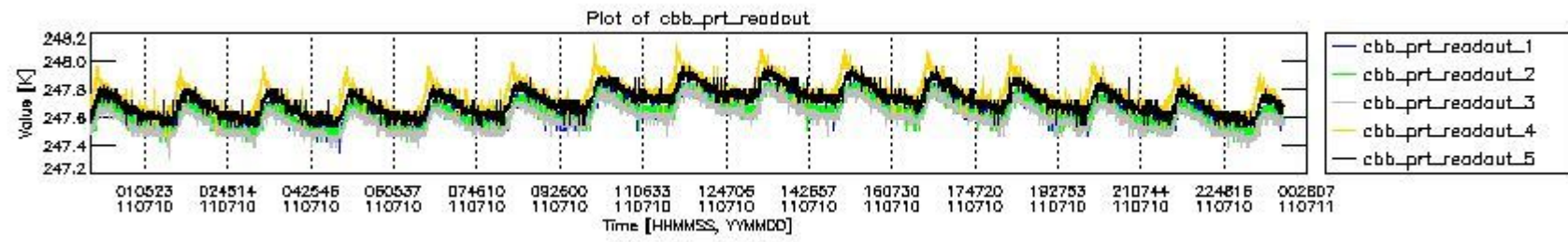
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_6.PNG



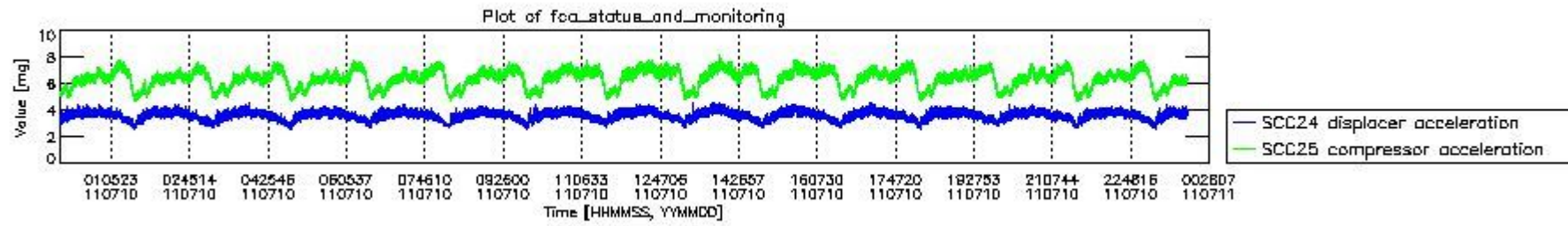
mipas_daily_report_level0_KSPT_L0_4504_N_20110710_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110710_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110710_9.PNG

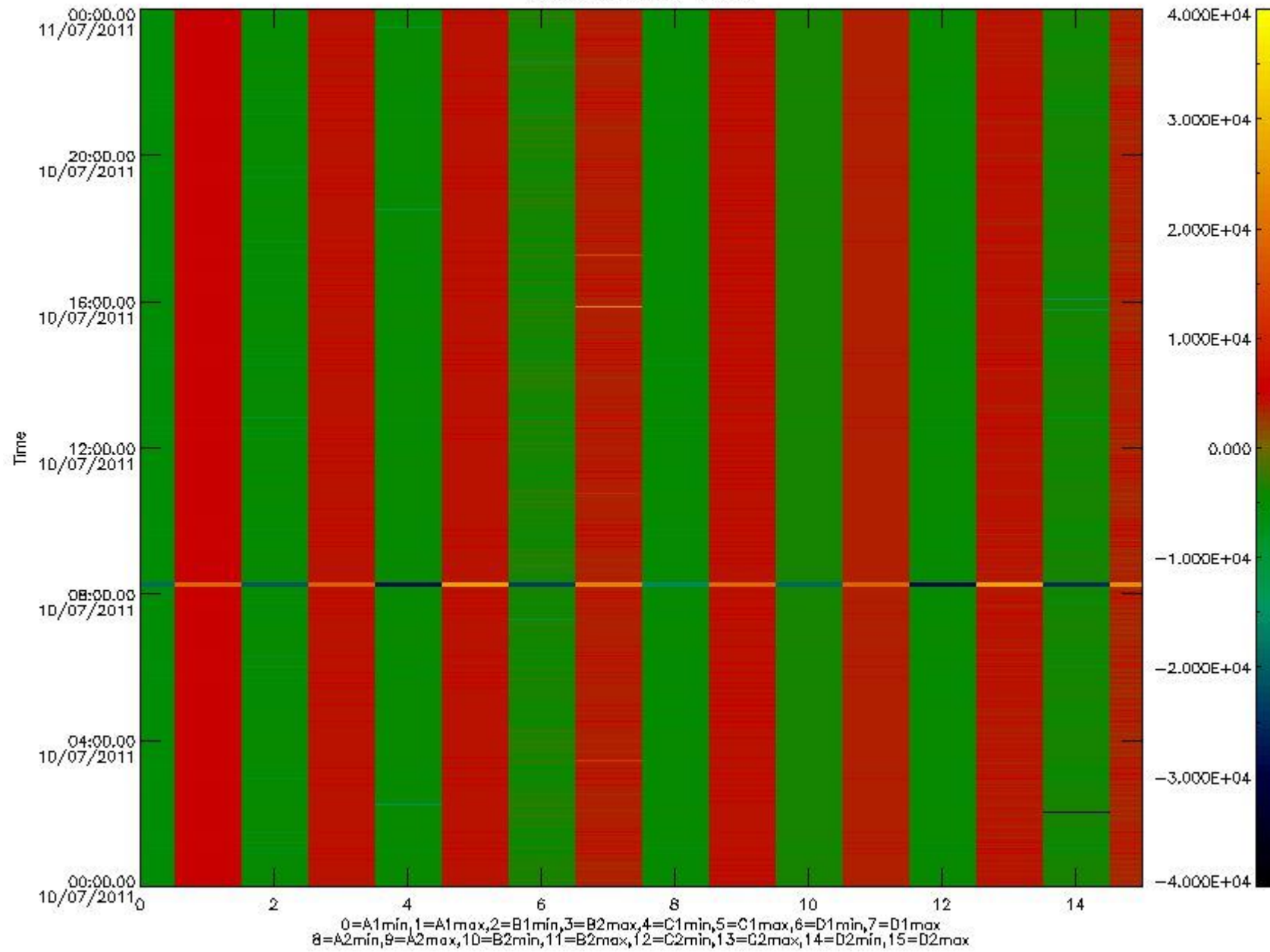


mipas_daily_report_level0_KSPT_L0_4504_N_20110710_10.PNG

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

Channel	Min	Max	ADC
A1	-18917	20075	16bit
B1	-21810	18626	16bit
C1	-27942	27916	16bit
D1	-23844	32767	16bit
A2	-16334	20264	16bit
B2	-20167	19719	16bit
C2	-29018	28752	16bit
D2	-32768	26087	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110710_11.PNG

0.3 ADF monitoring

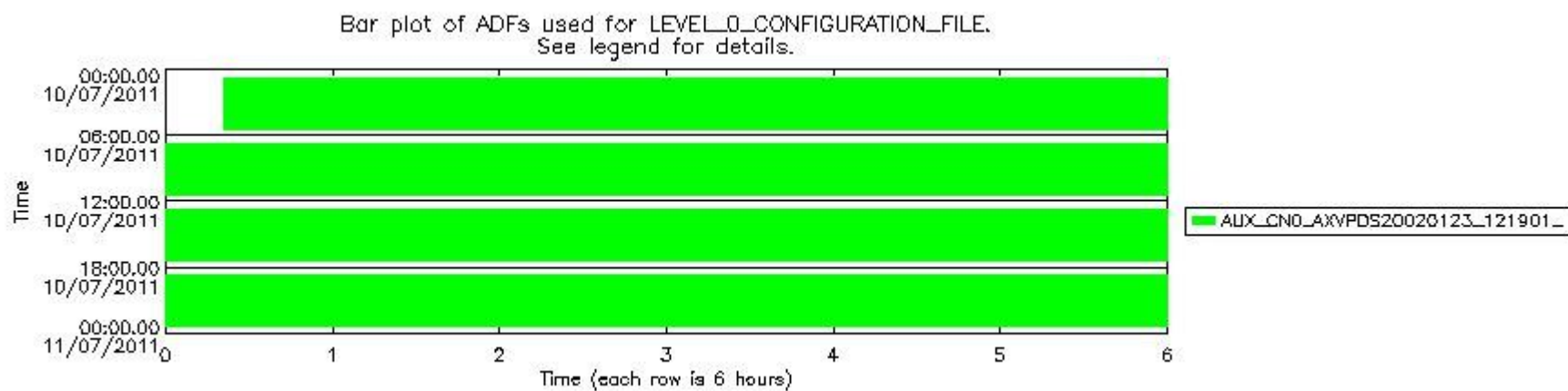
The use of ADFs is shown in two ways:

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.

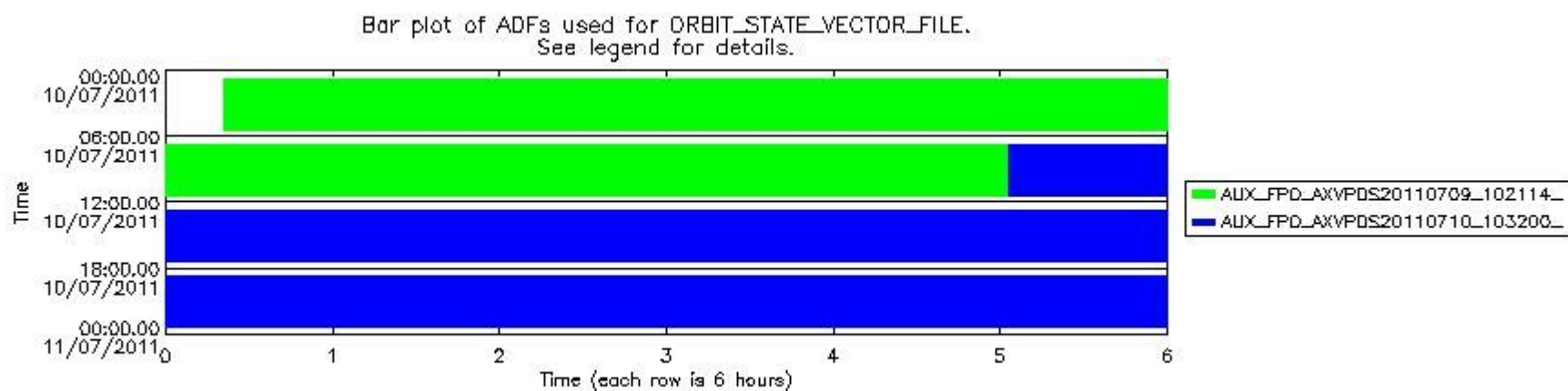
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110709_102114_20110708_182857_20110718_204245
2	AUX_FPO_AXVPDS20110710_103200_20110709_193227_20110719_200601

Number	Product name	#CN0	#FPO
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0	MIP_NL__0PNPDE20110710_002056_000058523104_00217_48938_9203.N1	0	1
1	MIP_NL__0PNPDE20110710_015713_000045653104_00218_48939_9204.N1	0	1
2	MIP_NL__0PNPDE20110710_031244_000061463104_00219_48940_9205.N1	0	1
3	MIP_NL__0PNPDE20110710_045434_000060123104_00220_48941_9206.N1	0	1
4	MIP_NL__0PNPDK20110710_063413_000041553104_00221_48942_5718.N1	0	1
5	MIP_NL__0PNPDK20110710_074257_000060463104_00222_48943_5719.N1	0	1
6	MIP_NL__0PNPDK20110710_092259_000060563104_00223_48944_5720.N1	0	1
7	MIP_NL__0PNPDK20110710_110322_000059063104_00224_48945_5730.N1	0	2
8	MIP_NL__0PNPDK20110710_110330_000010403104_00224_48945_5725.N1	0	2
9	MIP_NL__0PNPDK20110710_112050_000048573104_00224_48945_5729.N1	0	2
10	MIP_NL__0PNPDK20110710_124114_000059943104_00225_48946_5731.N1	0	2
11	MIP_NL__0PNPDK20110710_142034_000058453104_00226_48947_5732.N1	0	2
12	MIP_NL__0PNPDK20110710_155718_000058933104_00227_48948_5733.N1	0	2
13	MIP_NL__0PNPDK20110710_173434_000058703104_00228_48949_5737.N1	0	2
14	MIP_NL__0PNPDK20110710_182637_000027473104_00228_48949_5735.N1	0	2
15	MIP_NL__0PNPDK20110710_191128_000061383104_00229_48950_5736.N1	0	2
16	MIP_NL__0PNPDE20110710_205206_000043013104_00230_48951_9207.N1	0	2
17	MIP_NL__0PNPDE20110710_220244_000062073104_00230_48951_9208.N1	0	2
18	MIP_NL__0PNPDE20110710_234506_000059703104_00231_48952_9209.N1	0	2



mipas_daily_report_level0_KSPT_L0_4504_N_20110710_12.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110710_13.PNG

