

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	27JUN2011 05:23:25
Data source version	KSPT_L0/4504-N
Processing scope for products	22JUN2011 00:00:00 to 23JUN2011 00:00:00
Start time of first product within scope	22JUN2011 04:11:37
Stop time of last product within scope	23JUN2011 00:45:24
Total number of level 0 products	13
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__0PNPDE20110622_041137_000062213103_00392_48682_9088.N1	22JUN2011 04:11:37	22JUN2011 05:55:18	0	0	0	0	0
1	MIP_NL__0PNPDE20110622_055447_000061233103_00393_48683_9089.N1	22JUN2011 05:54:47	22JUN2011 07:36:49	0	0	0	0	0
2	MIP_NL__0PNPDK20110622_073616_000039283103_00394_48684_5556.N1	22JUN2011 07:36:16	22JUN2011 08:41:43	0	0	0	0	0
3	MIP_NL__0PNPDK20110622_084110_000061043103_00395_48685_5557.N1	22JUN2011 08:41:10	22JUN2011 10:22:54	0	0	0	0	0
4	MIP_NL__0PNPDK20110622_102211_000060083103_00396_48686_5558.N1	22JUN2011 10:22:11	22JUN2011 12:02:19	0	0	0	0	0
5	MIP_NL__0PNPDK20110622_120135_000059523103_00397_48687_5559.N1	22JUN2011 12:01:35	22JUN2011 13:40:47	0	0	0	0	0
6	MIP_NL__0PNPDK20110622_134016_000059253103_00398_48688_5560.N1	22JUN2011 13:40:16	22JUN2011 15:19:00	0	0	0	0	0
7	MIP_NL__0PNPDK20110622_151817_000058413103_00399_48689_5561.N1	22JUN2011 15:18:17	22JUN2011 16:55:38	0	0	0	0	0
8	MIP_NL__0PNPDK20110622_165456_000059063103_00400_48690_5562.N1	22JUN2011 16:54:56	22JUN2011 18:33:22	0	0	0	0	0
9	MIP_NL__0PNPDK20110622_183226_000060503103_00401_48691_5563.N1	22JUN2011 18:32:26	22JUN2011 20:13:16	0	0	0	0	0
10	MIP_NL__0PNPDE20110622_201142_000043453103_00402_48692_9090.N1	22JUN2011 20:11:42	22JUN2011 21:24:07	0	0	0	0	0
11	MIP_NL__0PNPDE20110622_212306_000060963103_00402_48692_9091.N1	22JUN2011 21:23:06	22JUN2011 23:04:42	0	0	0	0	0
12	MIP_NL__0PNPDE20110622_230342_000061023103_00403_48693_9092.N1	22JUN2011 23:03:42	23JUN2011 00:45:24	0	0	0	0	0

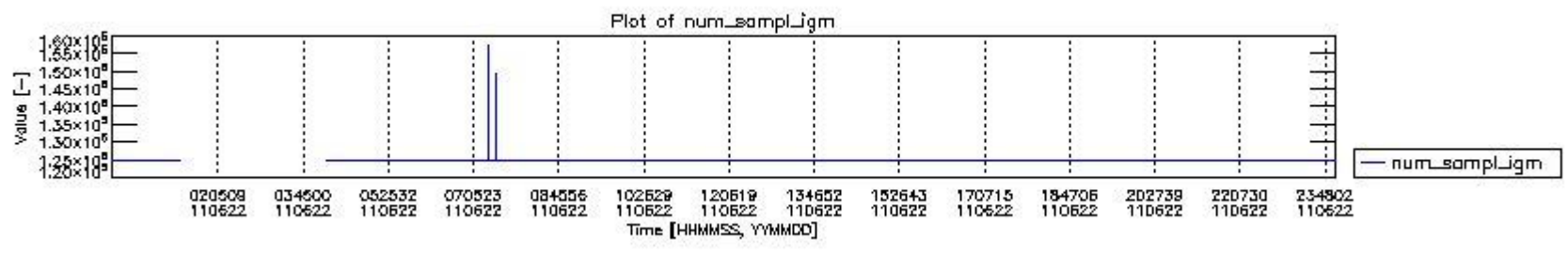
0.2 Instrument Operational Performance Parameters

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.

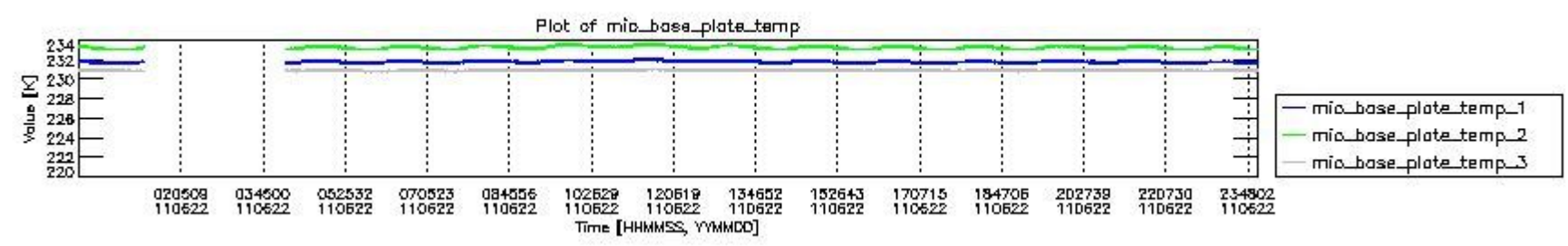
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	34077	92.893360
124803	2601	7.0902846
127010	1	0.0027259841
130950	1	0.0027259841
147142	1	0.0027259841

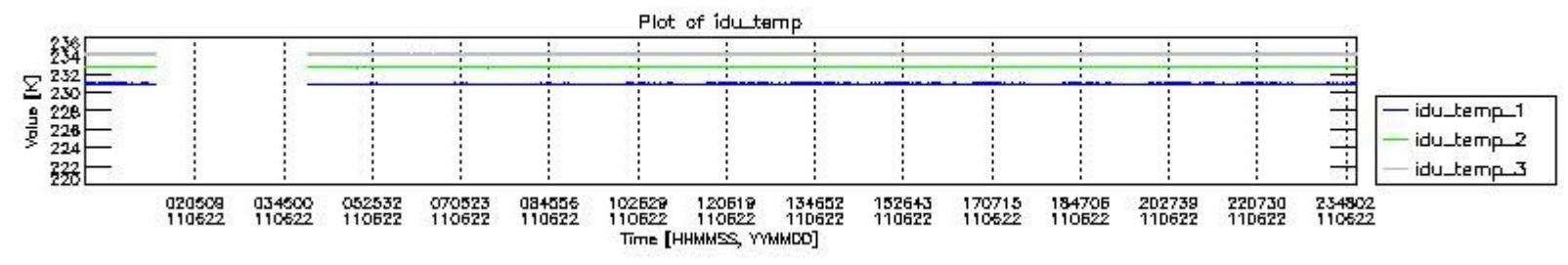
149352	1	0.0027259841
151082	1	0.0027259841
157232	1	0.0027259841



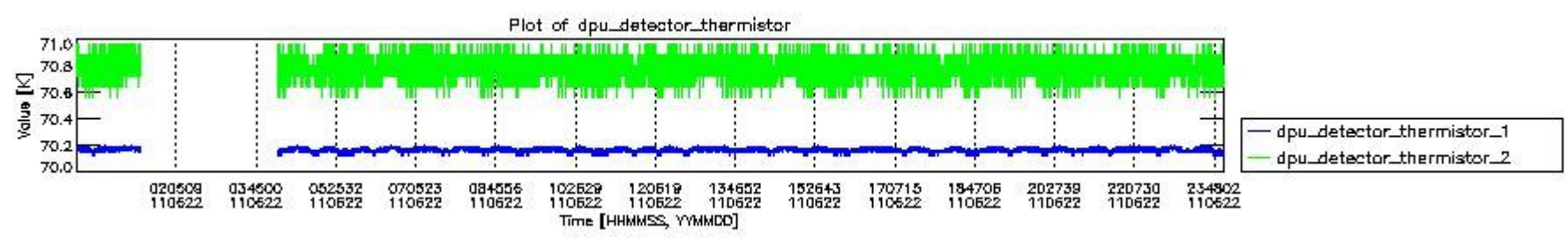
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_0.PNG



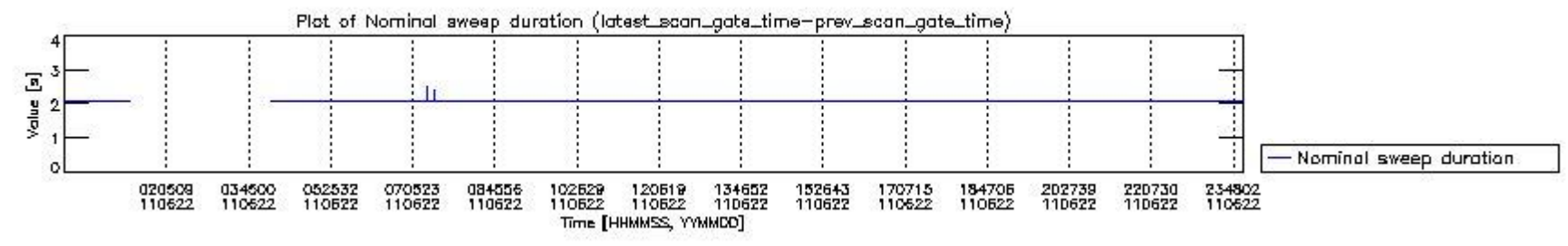
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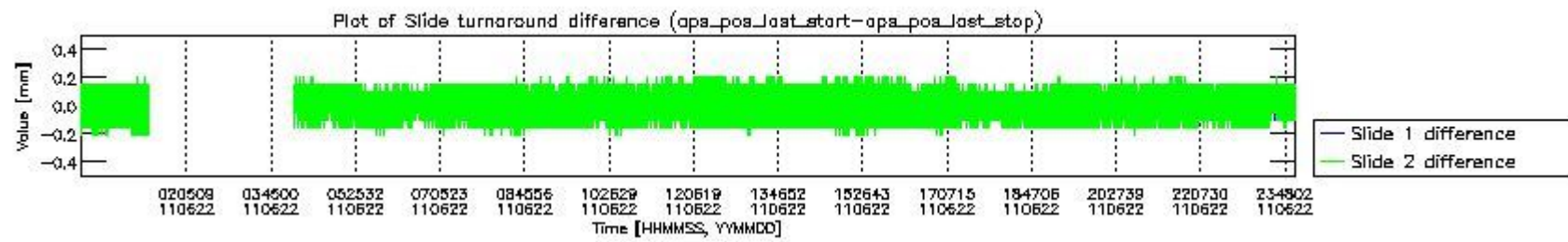
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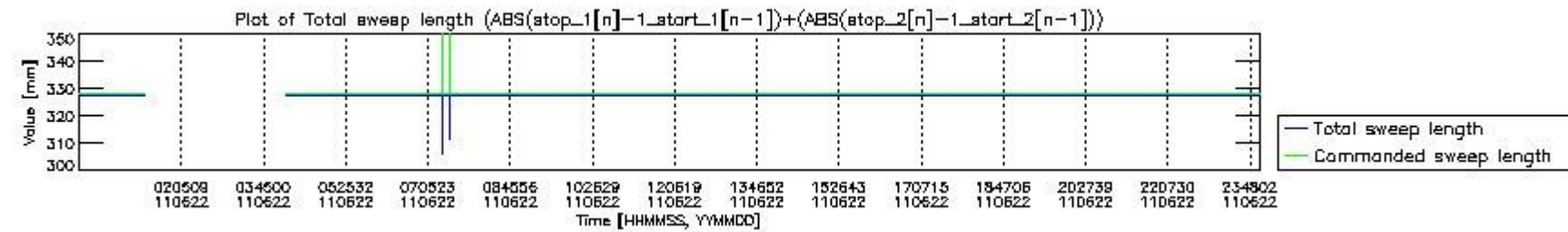
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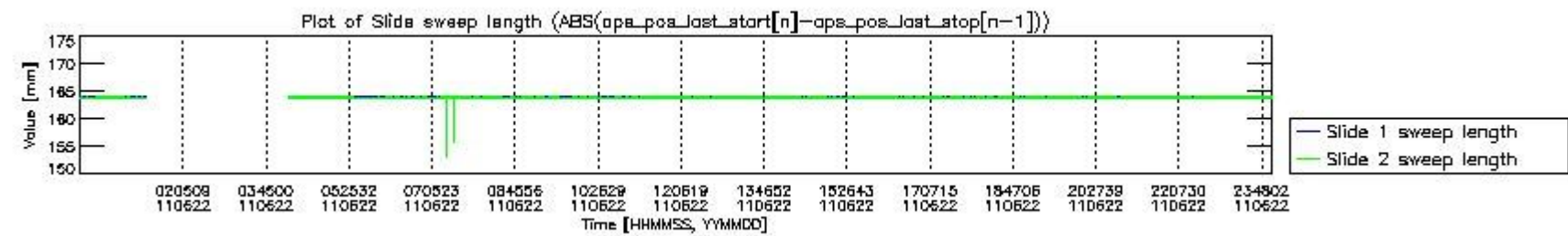
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_4.PNG



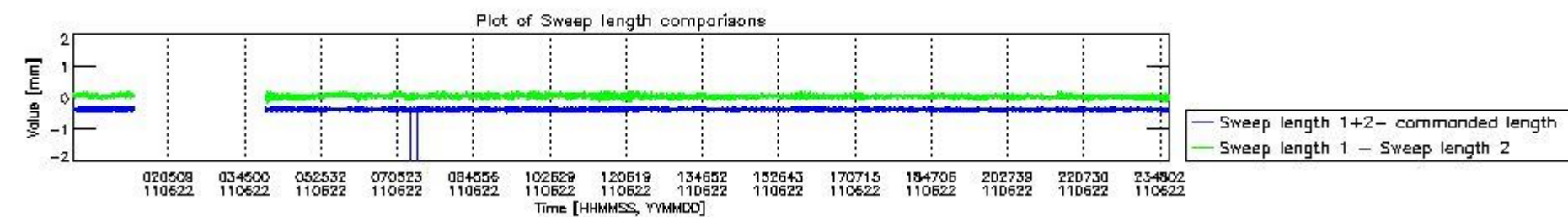
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_5.PNG



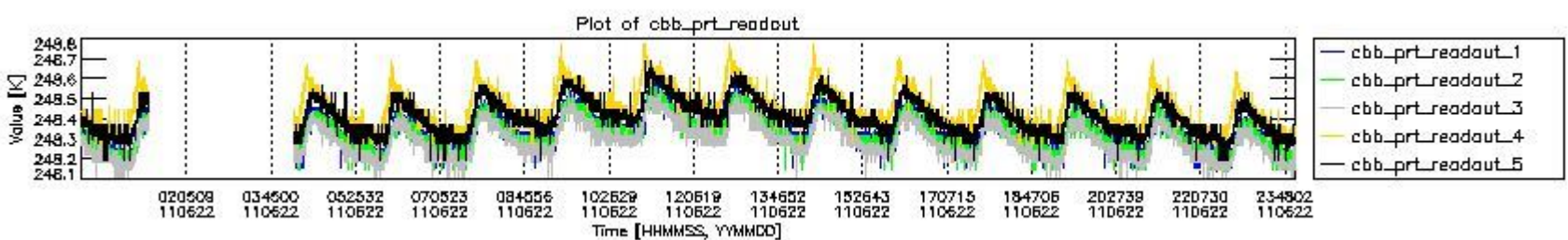
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_6.PNG



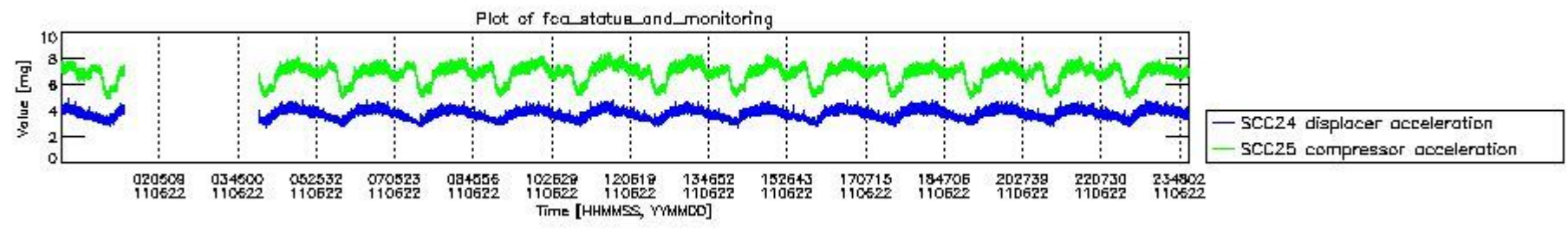
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110622_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110622_9.PNG

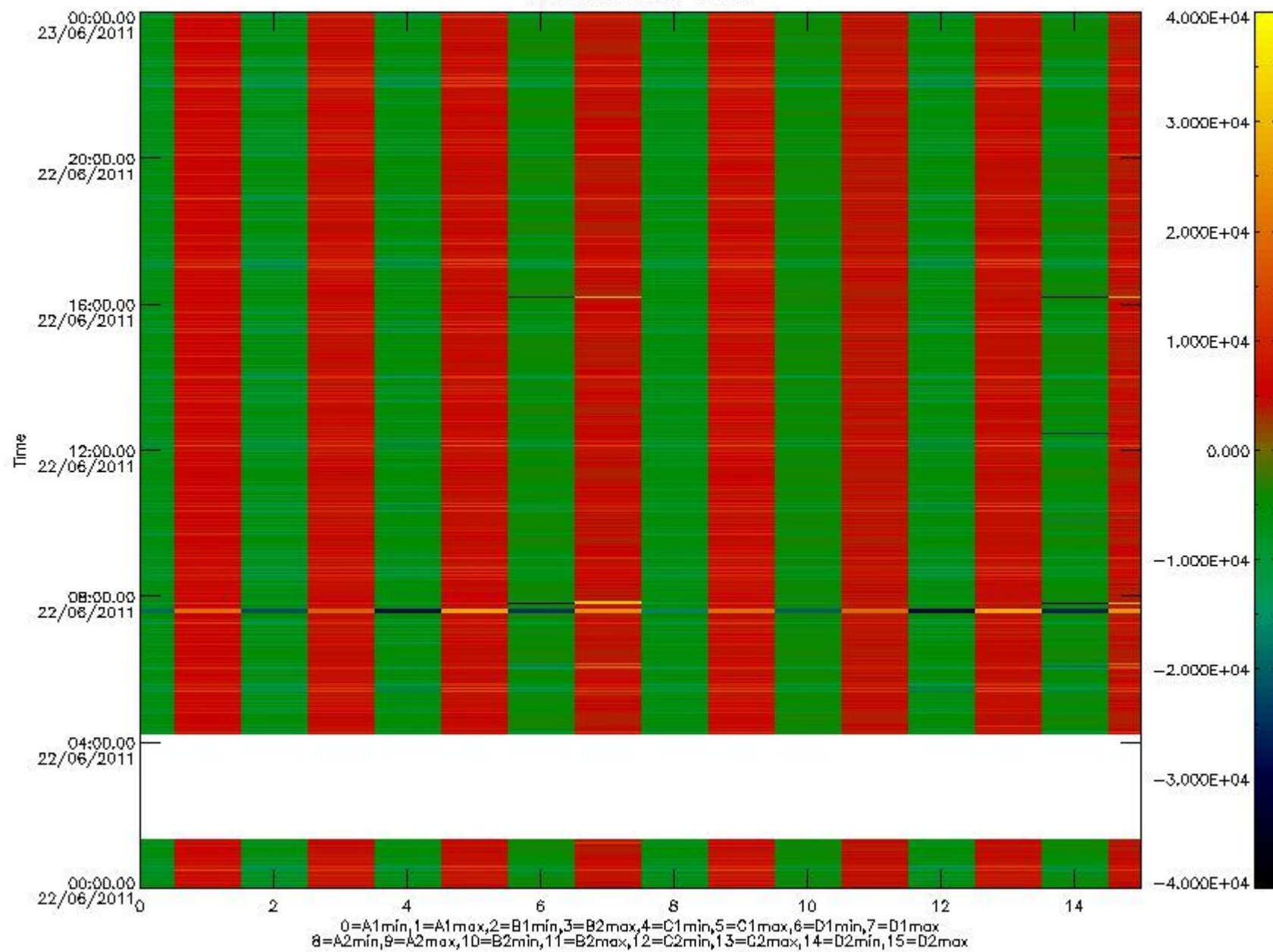


mipas_daily_report_level0_KSPT_L0_4504_N_20110622_10.PNG

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

Channel	Min	Max	ADC
A1	-19174	20416	16bit
B1	-22209	18930	16bit
C1	-28727	28695	16bit
D1	-32768	32767	16bit
A2	-16531	20551	16bit
B2	-20580	20106	16bit
C2	-29818	29513	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_20110622_11.PNG

0.3 ADF monitoring

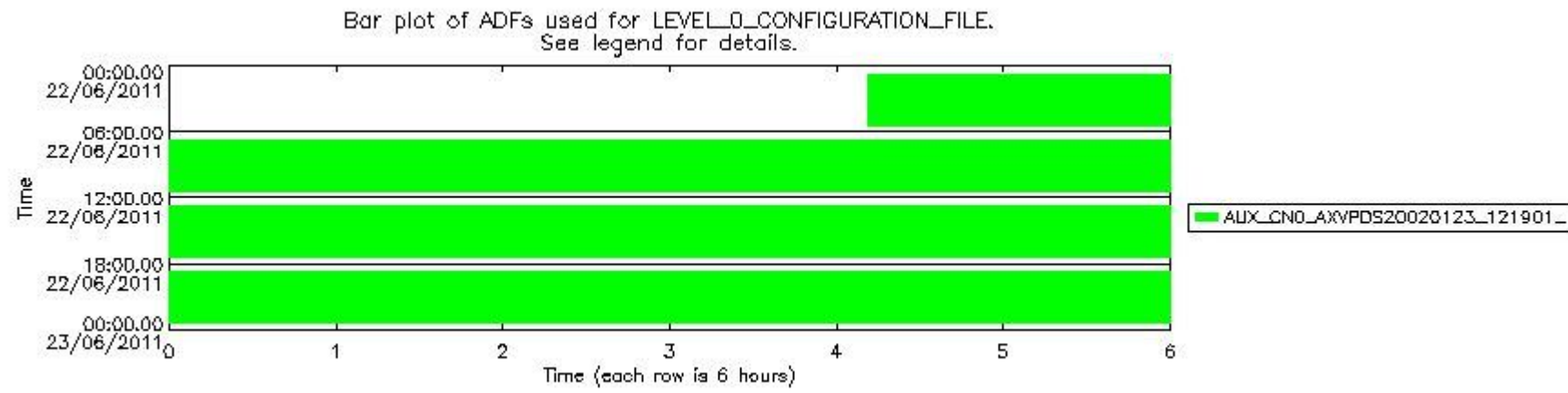
The use of ADFs is shown in two ways:

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.

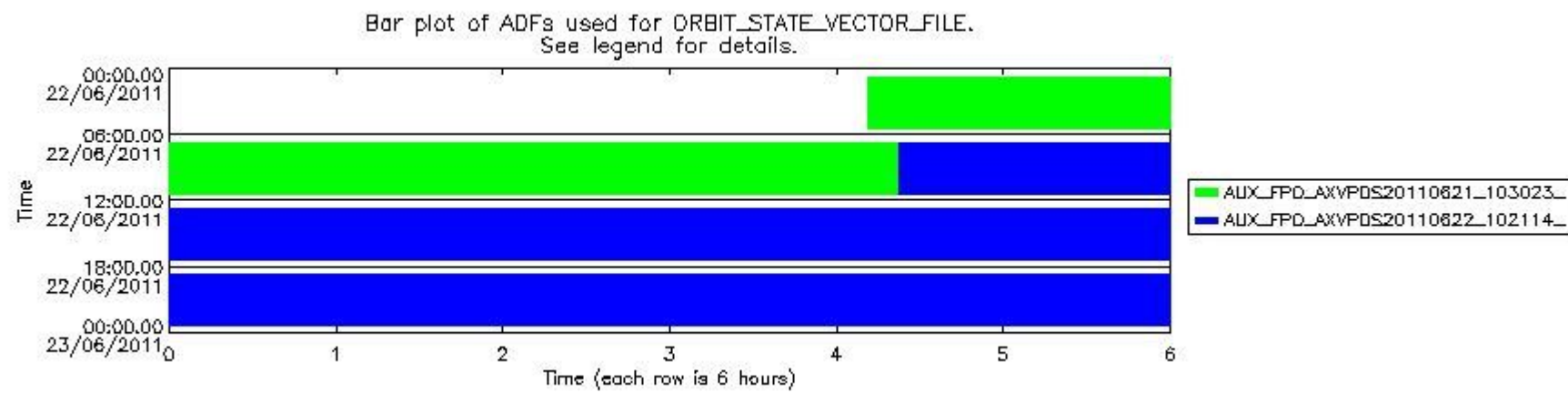
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110621_103023_20110620_192850_20110630_200224
2	AUX_FPO_AXVPDS20110622_102114_20110621_185205_20110701_210553

Number	Product name	#CN0	#FPO
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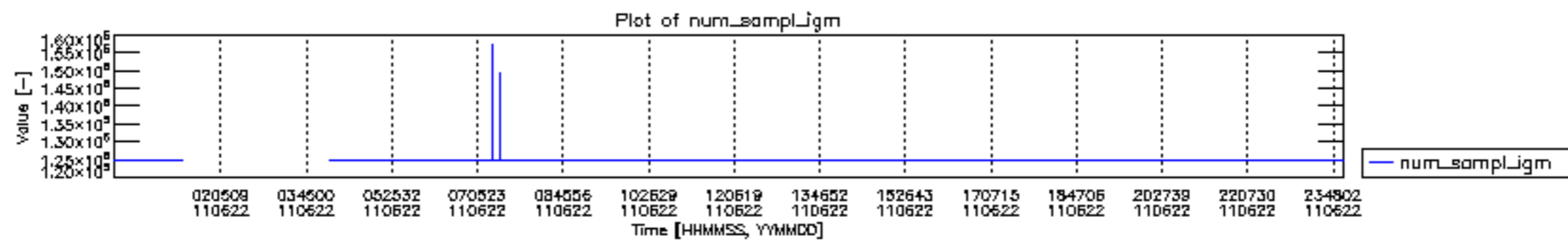
0	MIP_NL__0PNPDE20110622_041137_000062213103_00392_48682_9088.N1	0	1
1	MIP_NL__0PNPDE20110622_055447_000061233103_00393_48683_9089.N1	0	1
2	MIP_NL__0PNPDK20110622_073616_000039283103_00394_48684_5556.N1	0	1
3	MIP_NL__0PNPDK20110622_084110_000061043103_00395_48685_5557.N1	0	1
4	MIP_NL__0PNPDK20110622_102211_000060083103_00396_48686_5558.N1	0	2
5	MIP_NL__0PNPDK20110622_120135_000059523103_00397_48687_5559.N1	0	2
6	MIP_NL__0PNPDK20110622_134016_000059253103_00398_48688_5560.N1	0	2
7	MIP_NL__0PNPDK20110622_151817_000058413103_00399_48689_5561.N1	0	2
8	MIP_NL__0PNPDK20110622_165456_000059063103_00400_48690_5562.N1	0	2
9	MIP_NL__0PNPDK20110622_183226_000060503103_00401_48691_5563.N1	0	2
10	MIP_NL__0PNPDE20110622_201142_000043453103_00402_48692_9090.N1	0	2
11	MIP_NL__0PNPDE20110622_212306_000060963103_00402_48692_9091.N1	0	2
12	MIP_NL__0PNPDE20110622_230342_000061023103_00403_48693_9092.N1	0	2

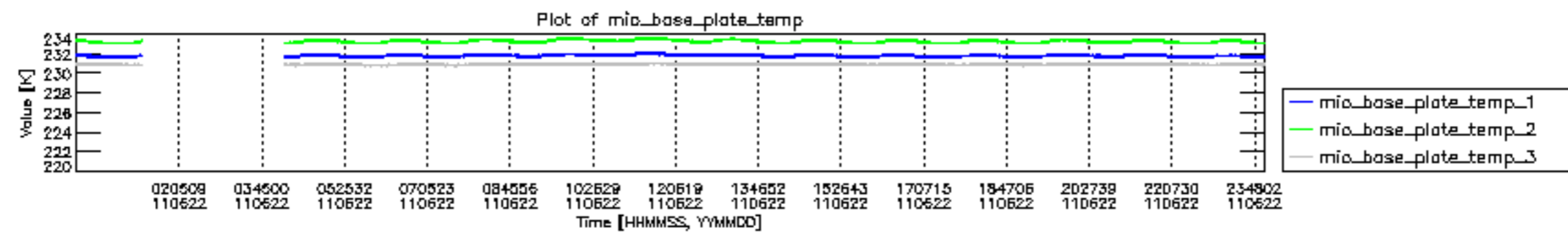


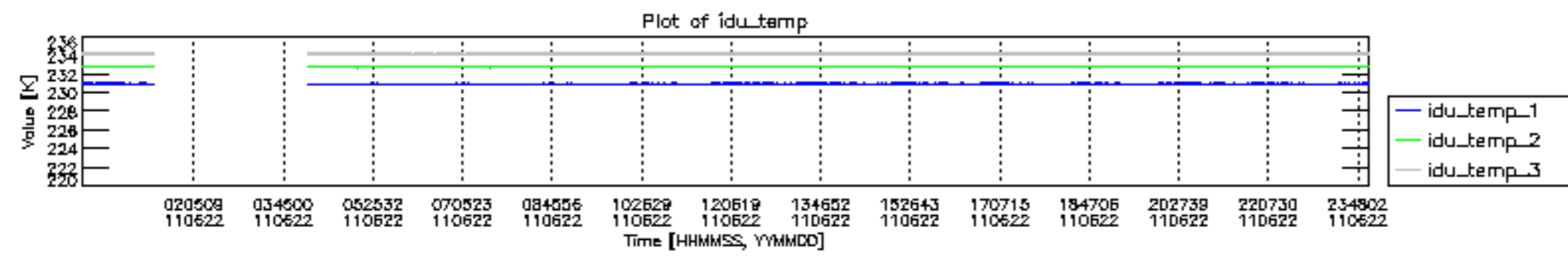
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_12.PNG

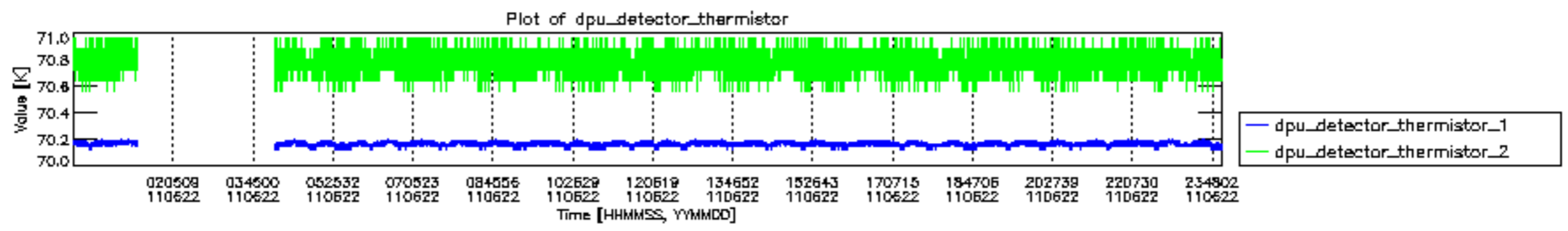


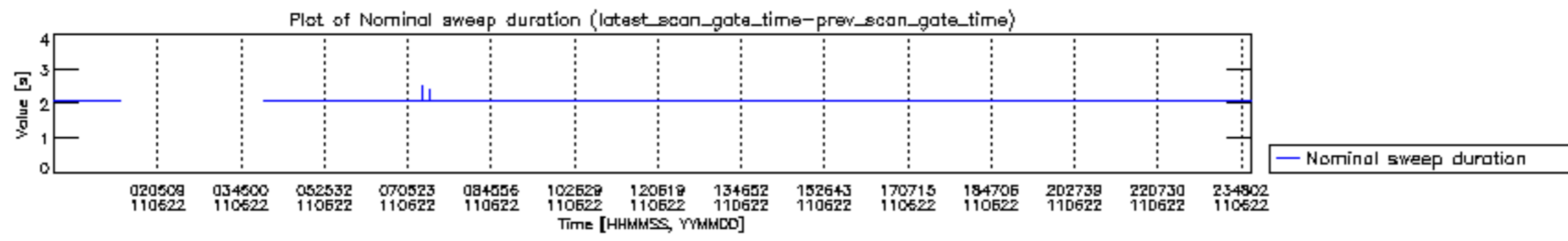
mipas_daily_report_level0_KSPT_L0_4504_N_20110622_13.PNG

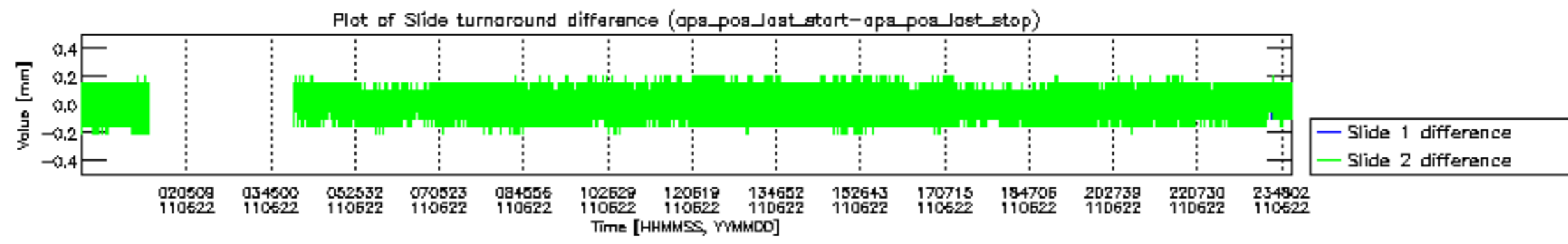


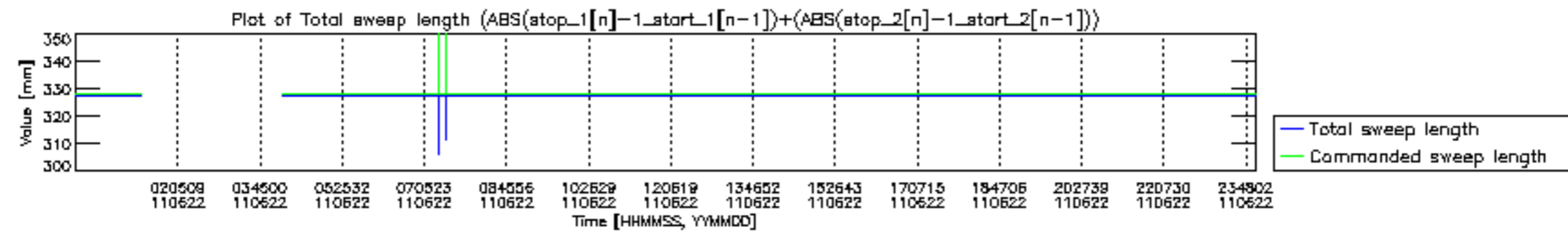


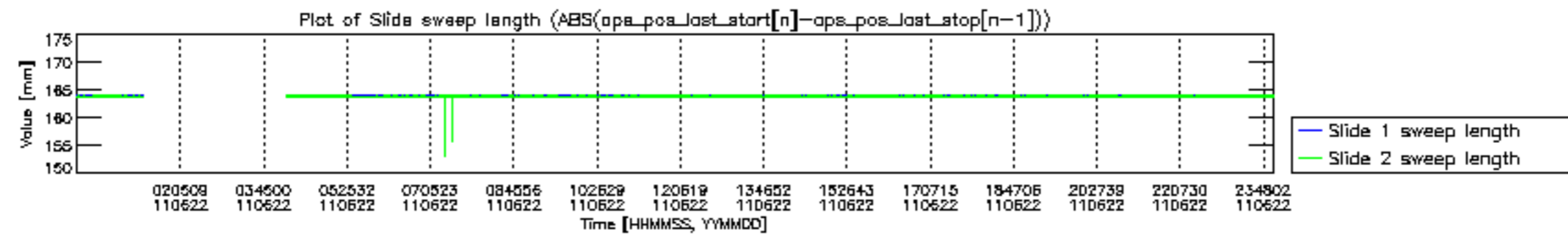


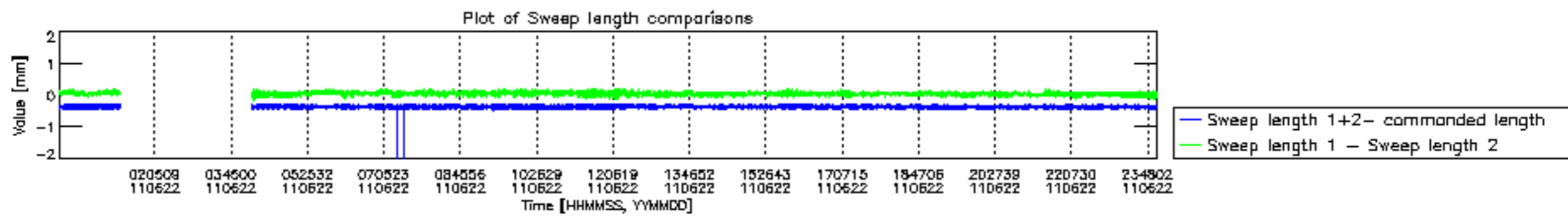


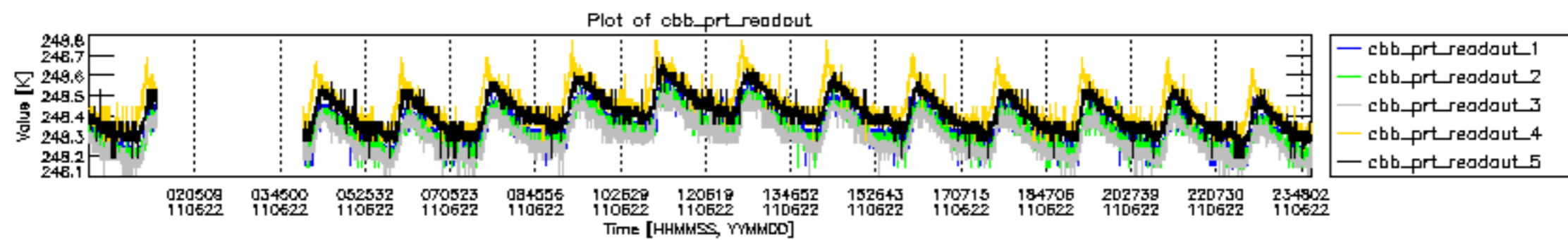


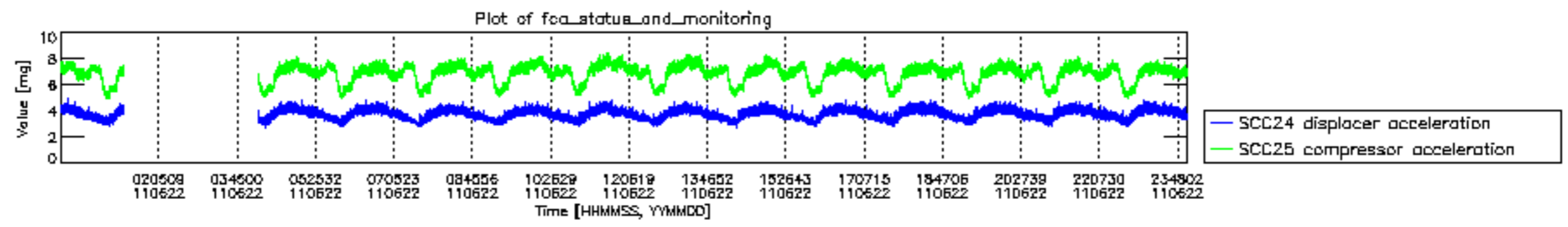












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

