

0. SCIAMACHY Daily Report for Level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY Level 0 data (the SCI_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	v1.4 20100407
Time of report generation	23JUL2011 03:04:30
Data source version	KSPT_L0/4504-N
Processing scope for products	16JUL2011 00:00:00 to 17JUL2011 00:00:00
Start time of first product within scope	16JUL2011 00:00:08
Stop time of last product within scope	16JUL2011 15:45:09
Total number of Level 0 products	11
Number of Level 0 products with errors	0

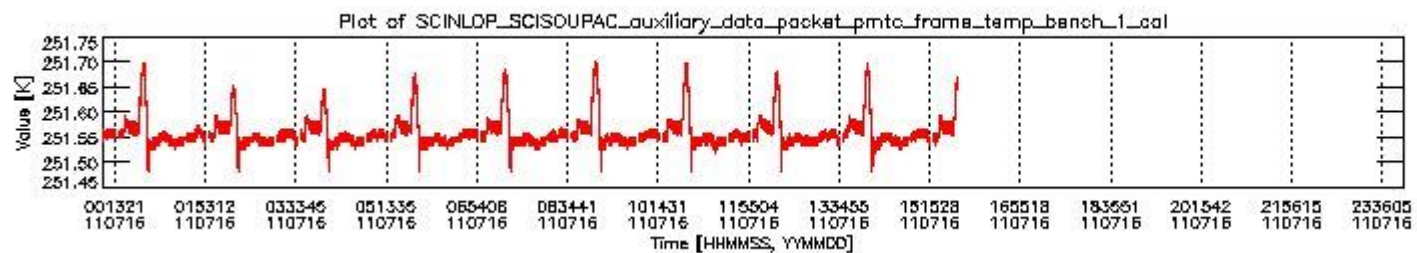
0.1.2 Summary per product

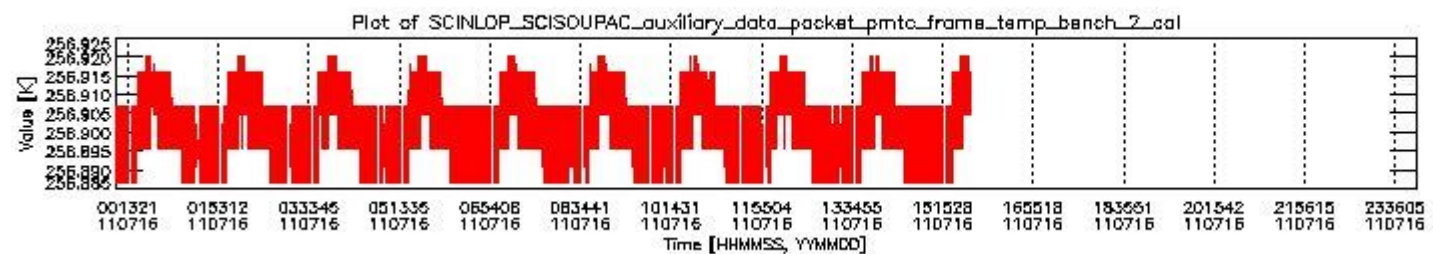
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110716_000008_000060223104_00303_49024_6792.N1	16JUL2011 00:00:08	16JUL2011 01:40:30	0	0	0	0	0
1	SCI_NL__OPNPDE20110716_013902_000044953104_00304_49025_6793.N1	16JUL2011 01:39:02	16JUL2011 02:53:57	0	0	0	0	0
2	SCI_NL__OPNPDE20110716_025303_000061233104_00305_49026_6794.N1	16JUL2011 02:53:03	16JUL2011 04:35:05	0	0	0	0	0
3	SCI_NL__OPNPDE20110716_043411_000060143104_00306_49027_6795.N1	16JUL2011 04:34:11	16JUL2011 06:14:25	0	0	0	0	0
4	SCI_NL__OPNPDK20110716_061331_000041053104_00307_49028_5186.N1	16JUL2011 06:13:31	16JUL2011 07:21:56	0	0	0	0	0
5	SCI_NL__OPNPDK20110716_072156_000060833104_00308_49029_5187.N1	16JUL2011 07:21:56	16JUL2011 09:03:18	0	0	0	0	0
6	SCI_NL__OPNPDK20110716_090210_000060143104_00309_49030_5188.N1	16JUL2011 09:02:10	16JUL2011 10:42:24	0	0	0	0	0
7	SCI_NL__OPNPDK20110716_104224_000059603104_00310_49031_5189.N1	16JUL2011 10:42:24	16JUL2011 12:21:44	0	0	0	0	0
8	SCI_NL__OPNPDK20110716_122144_000058773104_00311_49032_5190.N1	16JUL2011 12:21:44	16JUL2011 13:59:41	0	0	0	0	0
9	SCI_NL__OPNPDK20110716_135941_000059063104_00312_49033_5191.N1	16JUL2011 13:59:41	16JUL2011 15:38:06	0	0	0	0	0
10	SCI_NL__OPNPDK20110716_153658_000004913104_00313_49034_5192.N1	16JUL2011 15:36:58	16JUL2011 15:45:09	0	0	0	0	0

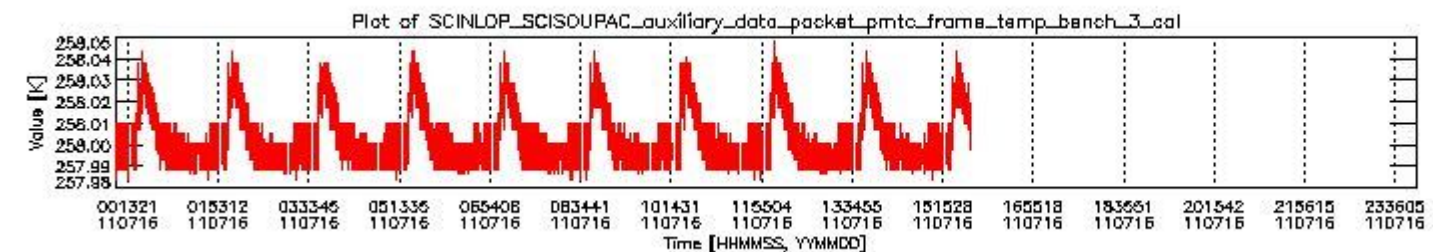
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

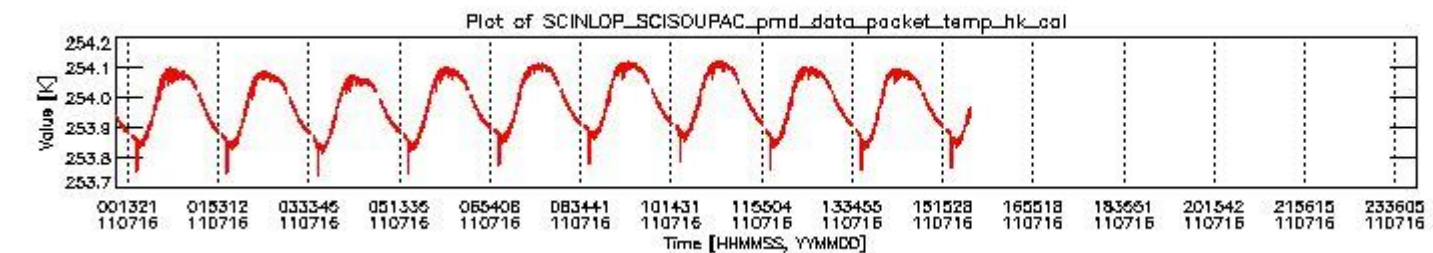




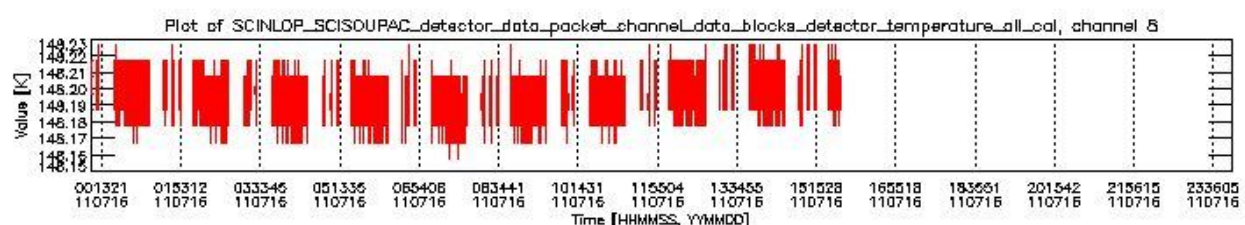
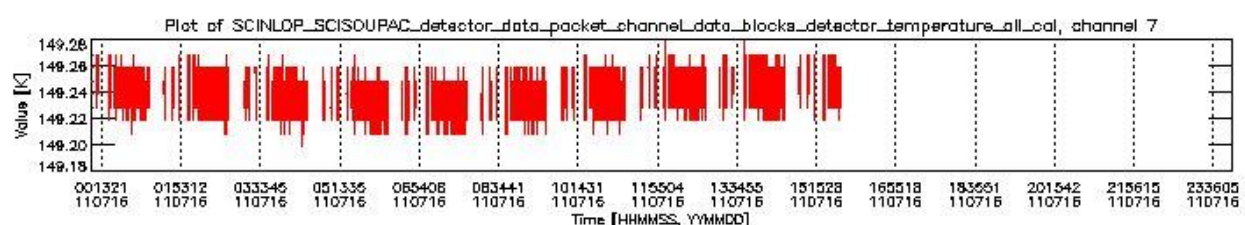
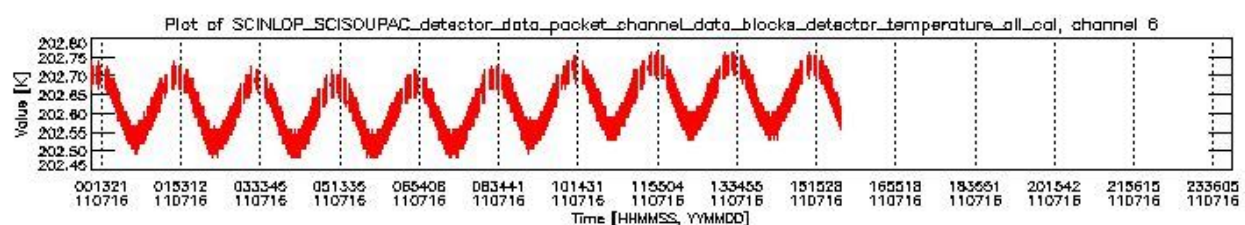
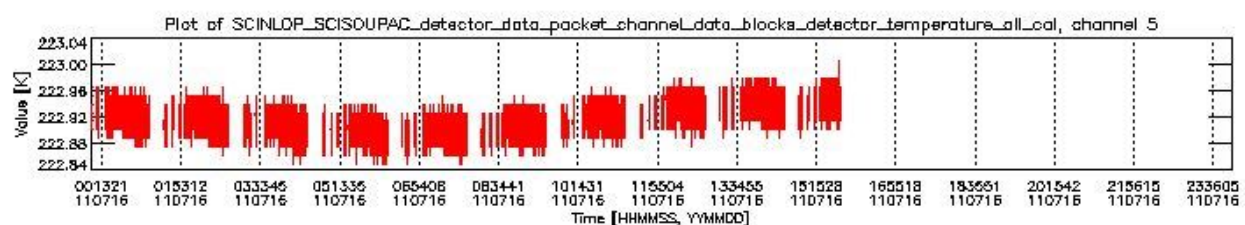
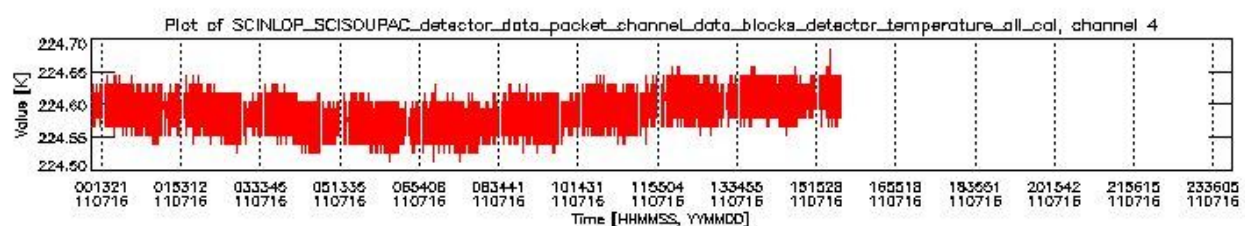
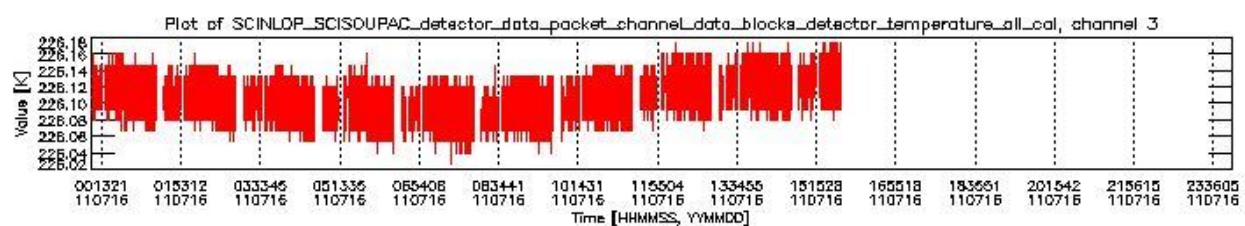
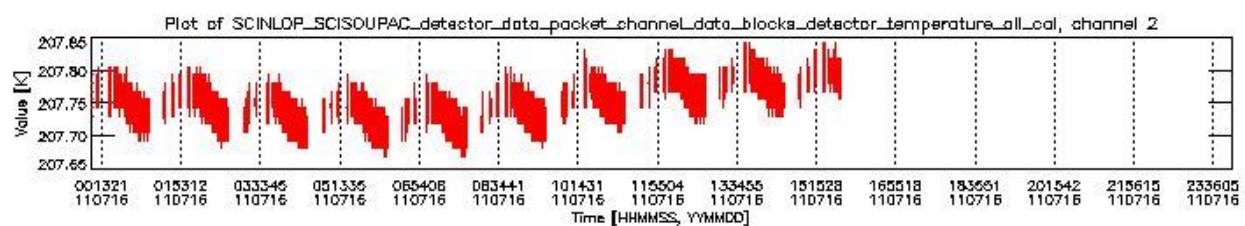
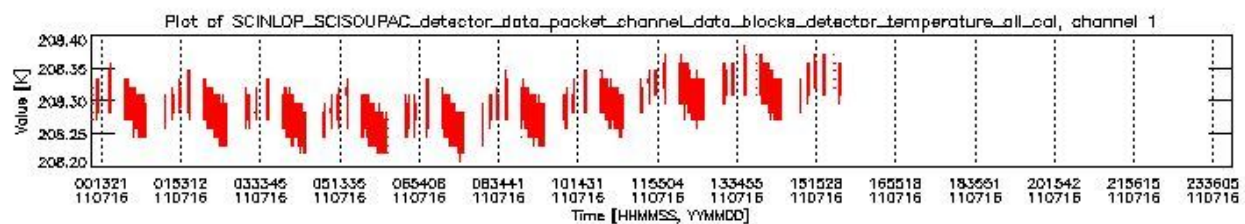
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_3.PNG

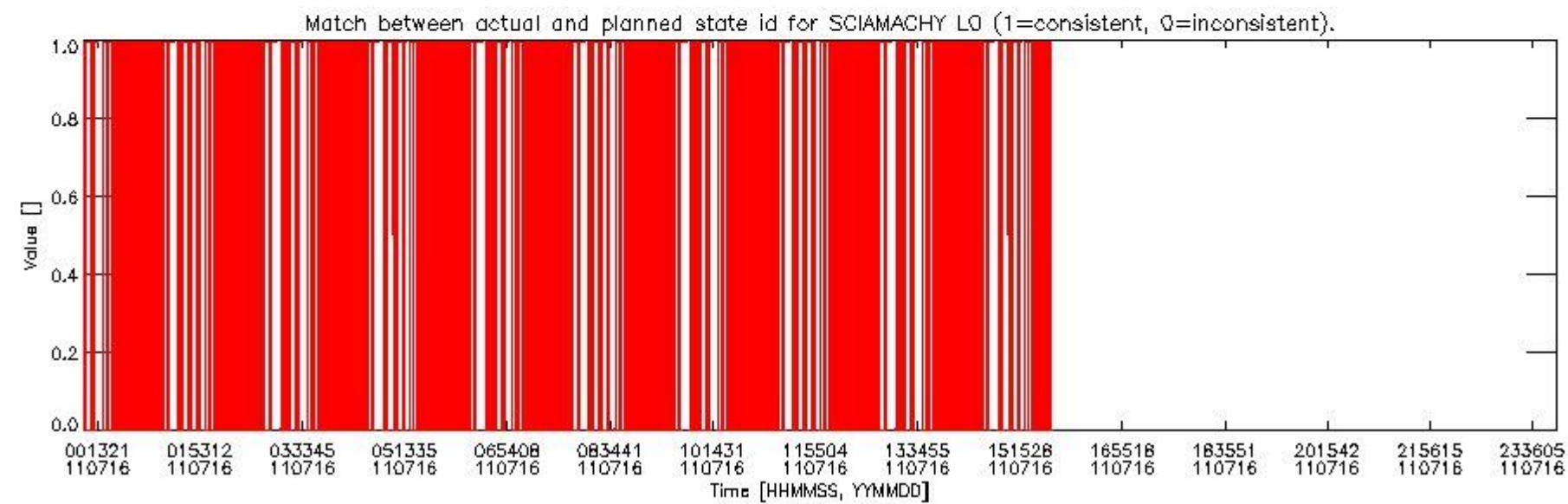
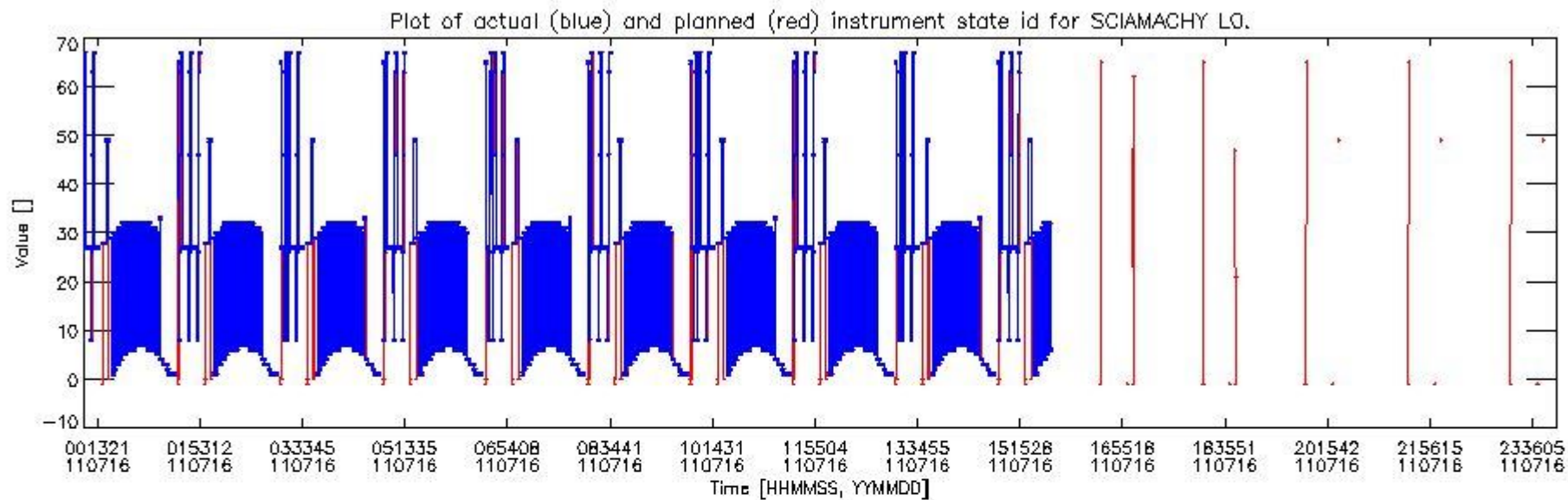


0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P_SCISOUPAC_state_id variable).

Total number of faults: **44366**

#	Actual time	Actual value	Planned time	Planned value
0	16JUL2011 00:00:08.082642	67	16JUL2011 00:00:08.082642	63
1	16JUL2011 00:00:08.457642	67	16JUL2011 00:00:08.457642	63
2	16JUL2011 00:00:08.707642	67	16JUL2011 00:00:08.707642	63
3	16JUL2011 00:00:08.957642	67	16JUL2011 00:00:08.957642	63
4	16JUL2011 00:00:09.207642	67	16JUL2011 00:00:09.207642	63
5	16JUL2011 00:00:09.457642	67	16JUL2011 00:00:09.457642	63
6	16JUL2011 00:00:09.707642	67	16JUL2011 00:00:09.707642	63
7	16JUL2011 00:00:09.957642	67	16JUL2011 00:00:09.957642	63
8	16JUL2011 00:00:10.207642	67	16JUL2011 00:00:10.207642	63
9	16JUL2011 00:00:10.457642	67	16JUL2011 00:00:10.457642	63
10	16JUL2011 00:00:10.707642	67	16JUL2011 00:00:10.707642	63
11	16JUL2011 00:00:10.957642	67	16JUL2011 00:00:10.957642	63
12	16JUL2011 00:00:11.207642	67	16JUL2011 00:00:11.207642	63
13	16JUL2011 00:00:11.457642	67	16JUL2011 00:00:11.457642	63
14	16JUL2011 00:00:11.707642	67	16JUL2011 00:00:11.707642	63
15	16JUL2011 00:00:11.957642	67	16JUL2011 00:00:11.957642	63
16	16JUL2011 00:00:12.207642	67	16JUL2011 00:00:12.207642	63
17	16JUL2011 00:00:12.457642	67	16JUL2011 00:00:12.457642	63
18	16JUL2011 00:00:12.707642	67	16JUL2011 00:00:12.707642	63
19	16JUL2011 00:00:12.957642	67	16JUL2011 00:00:12.957642	63
...

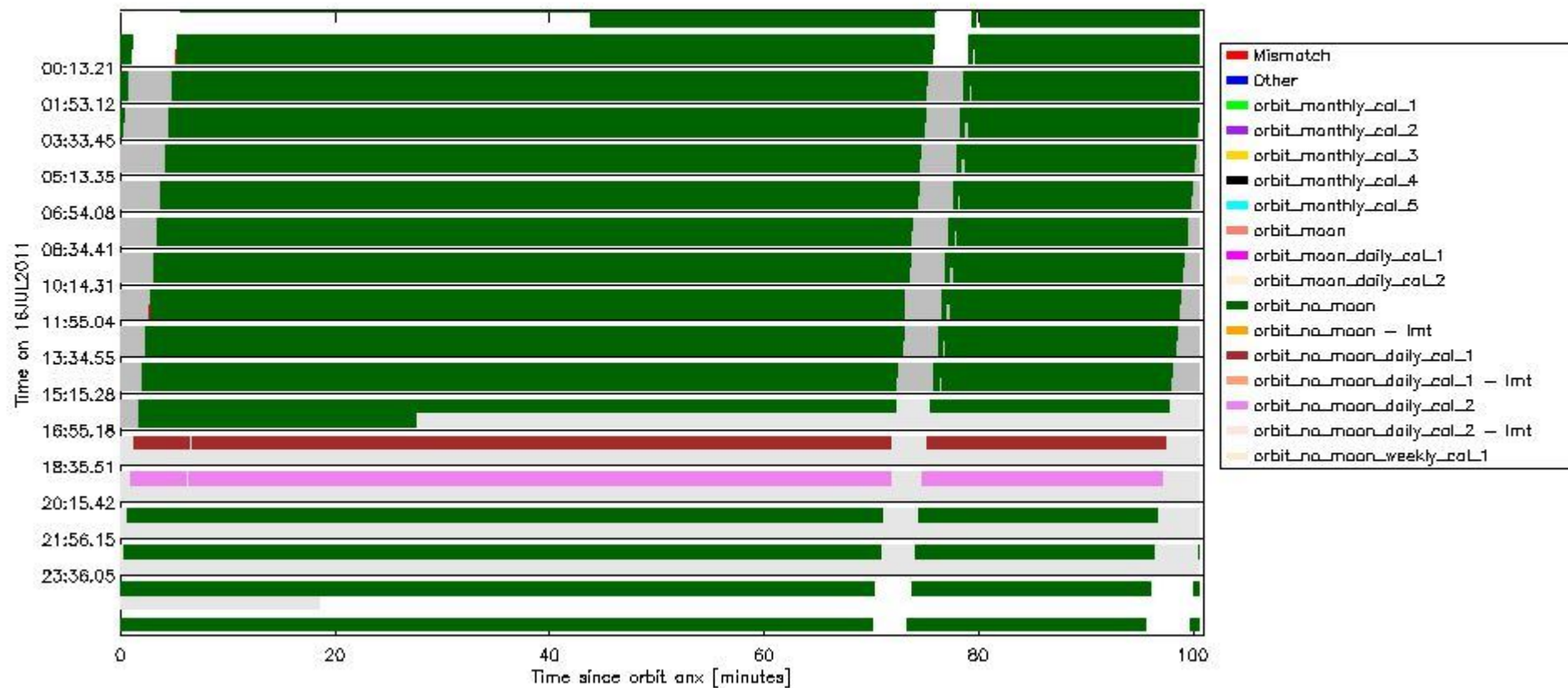


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual state IDs in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 16JUL2011.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_6.PNG

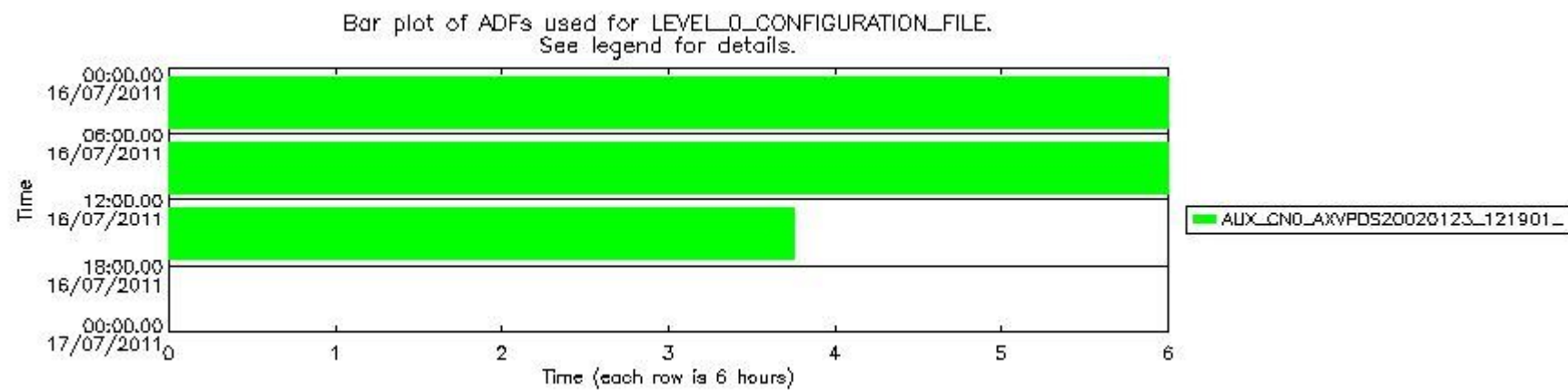
0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

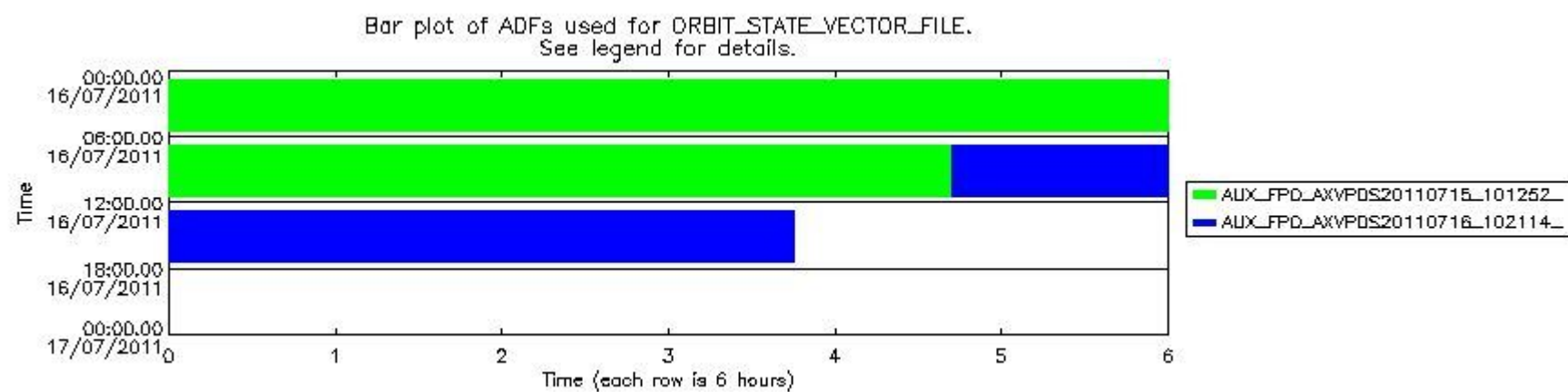
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

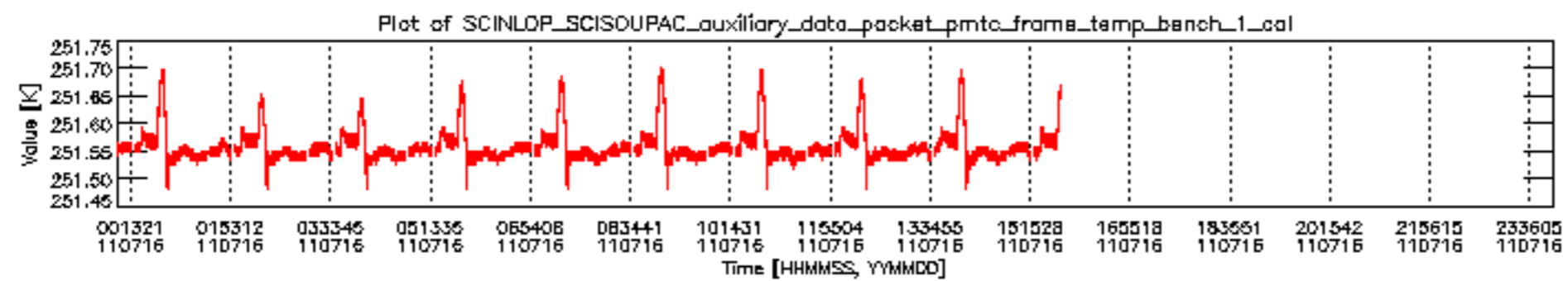
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110715_101252_20110714_194914_20110724_202248
2	AUX_FPO_AXVPDS20110716_102114_20110715_191230_20110725_212617

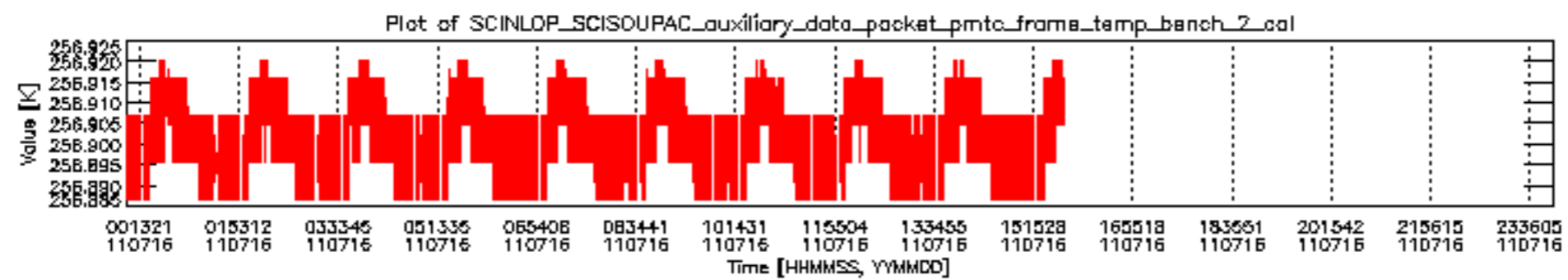


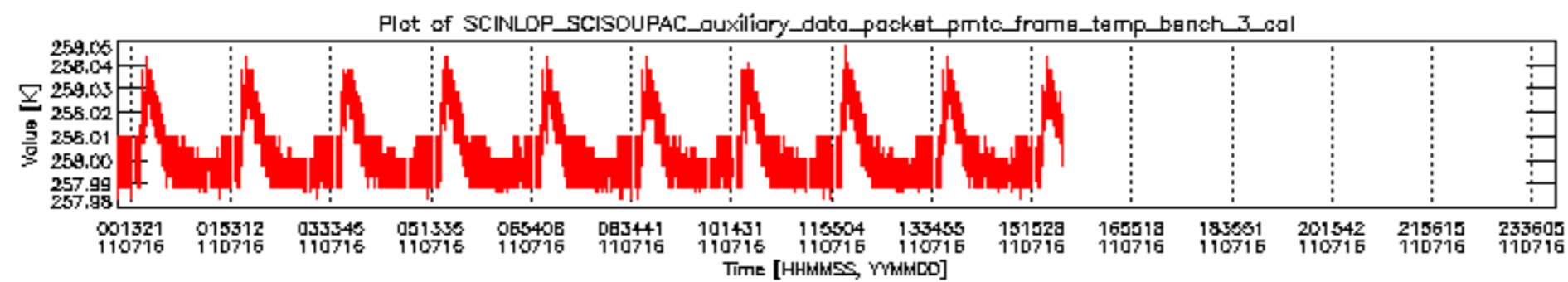
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_7.PNG

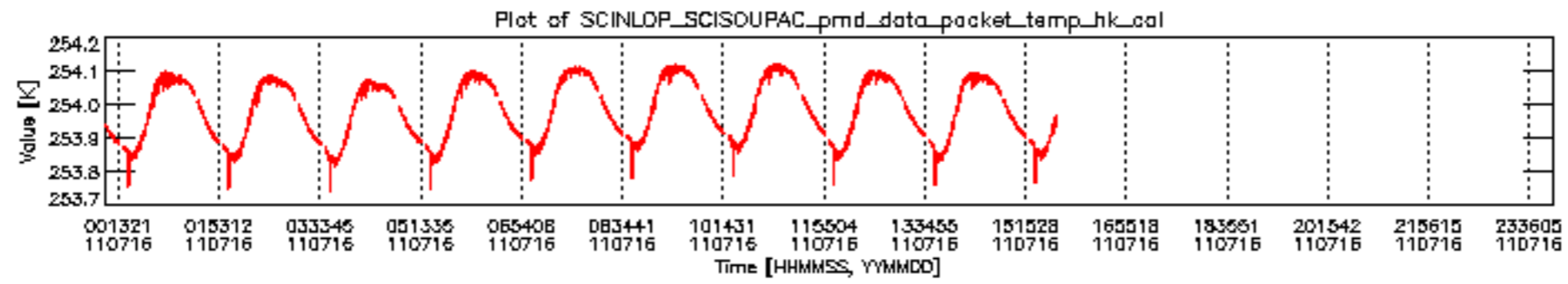


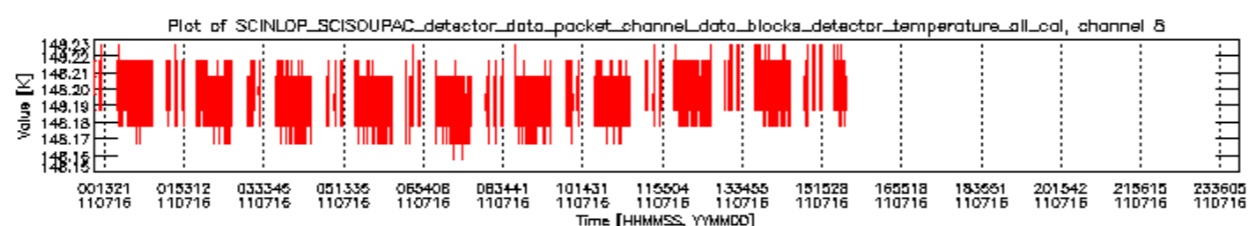
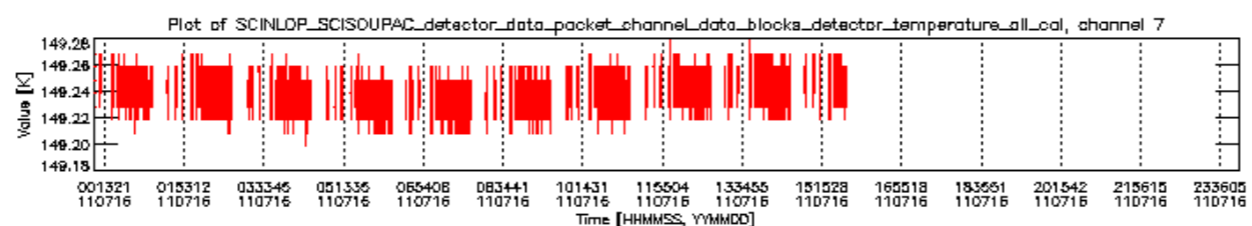
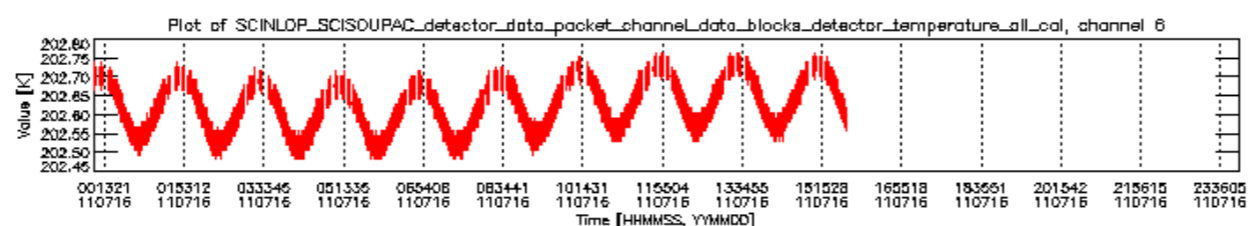
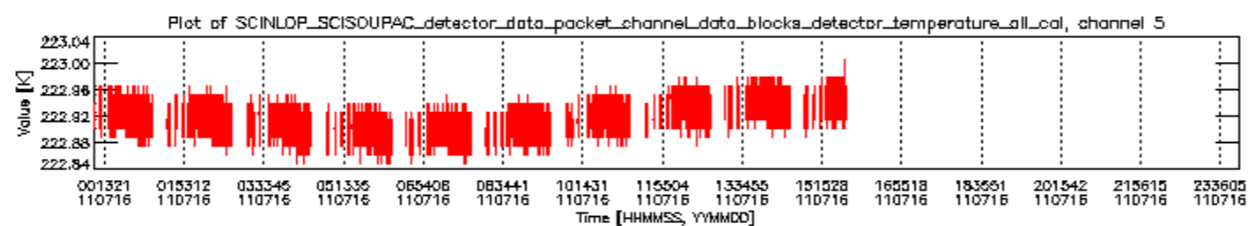
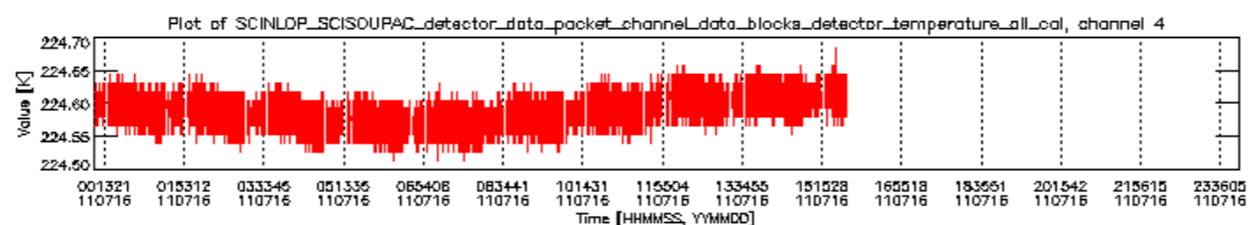
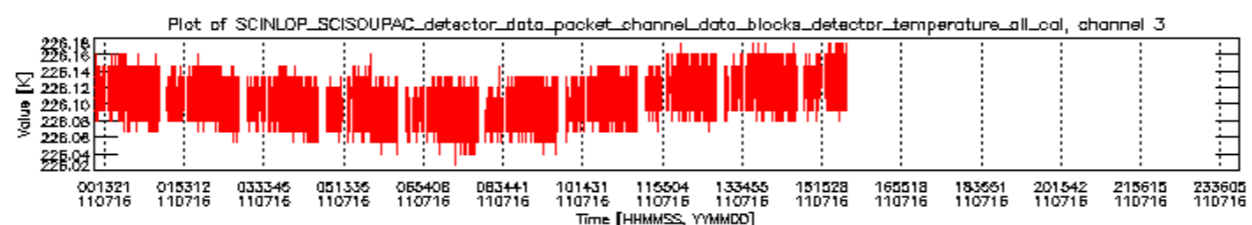
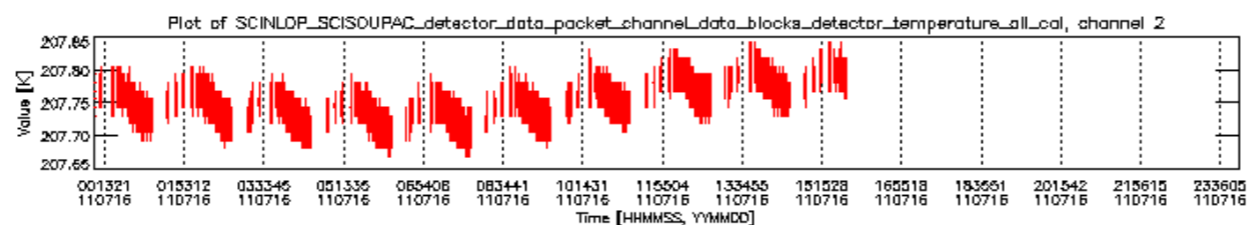
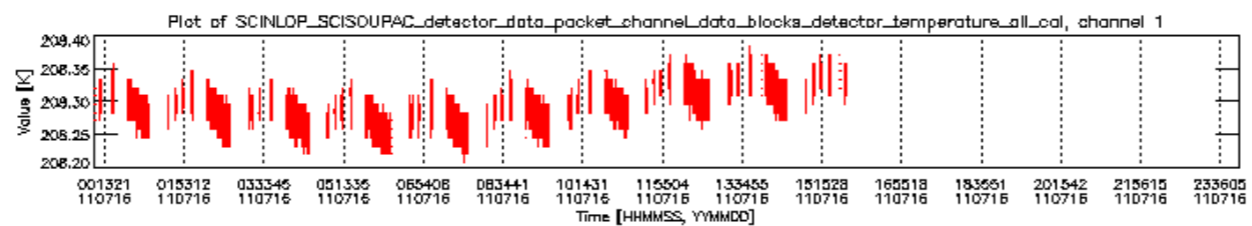
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110716_8.PNG

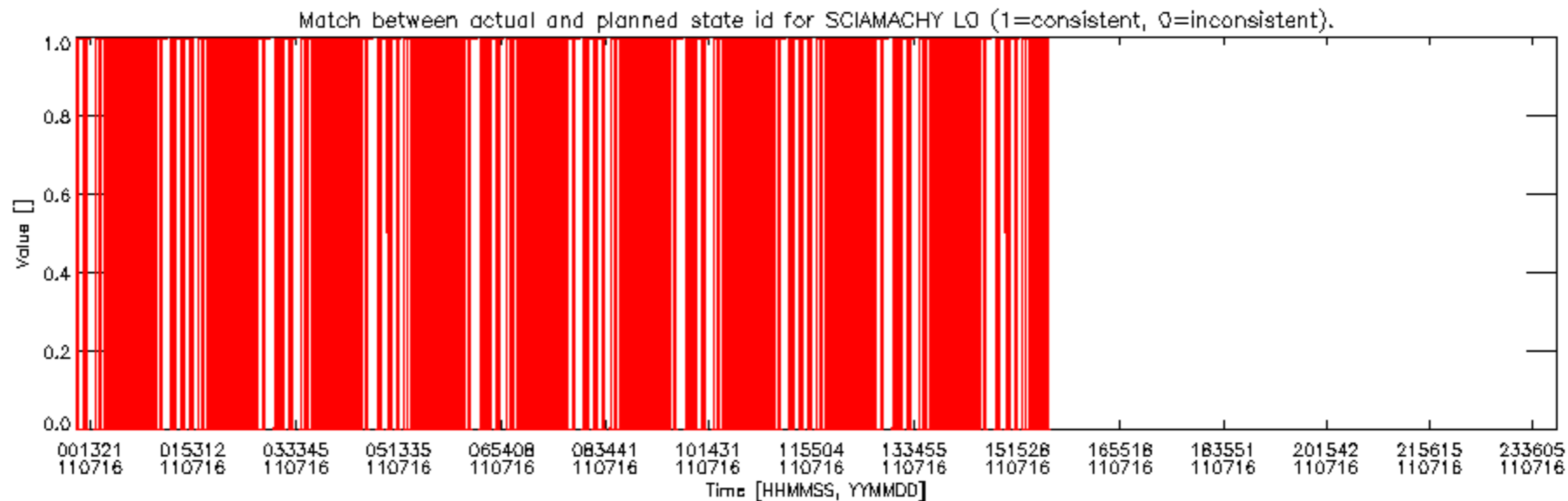
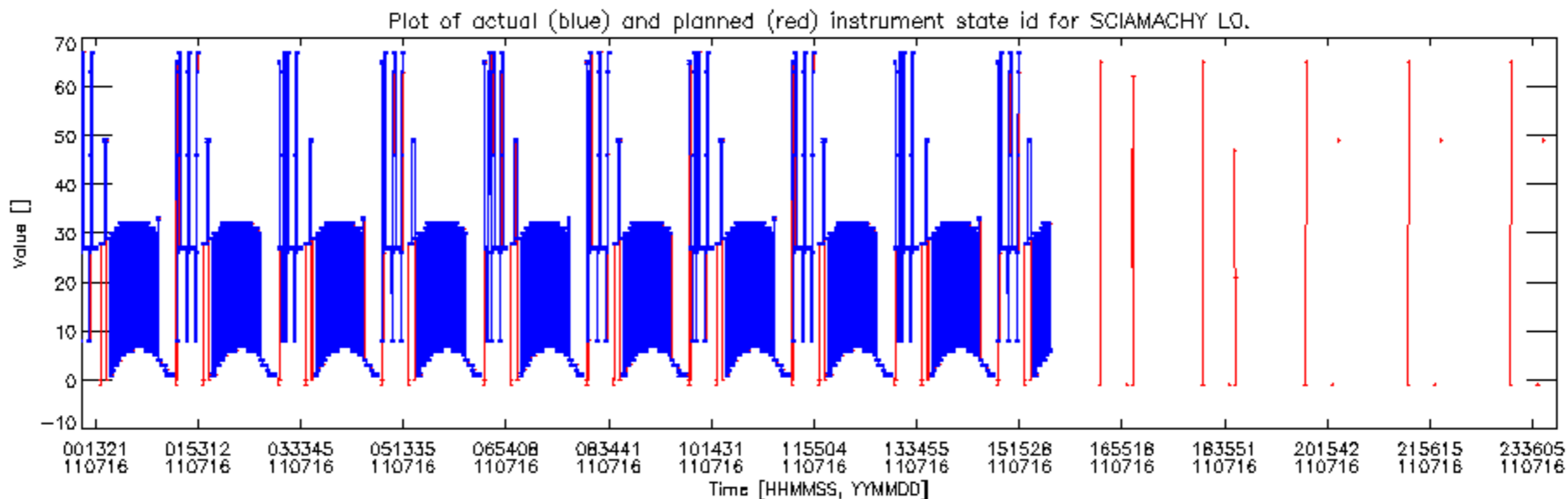












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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