

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	v1.3 20060731
Time of report generation	15MAY2008 05:27:18
Data source version	KSPT_L0/4303-N
Processing scope for products	11MAY2008 00:00:00 to 12MAY2008 00:00:00
Start time of first product within scope	10MAY2008 23:30:22
Stop time of last product within scope	12MAY2008 00:41:16
Total number of level 0 products	17
Number of level 0 products with errors	2

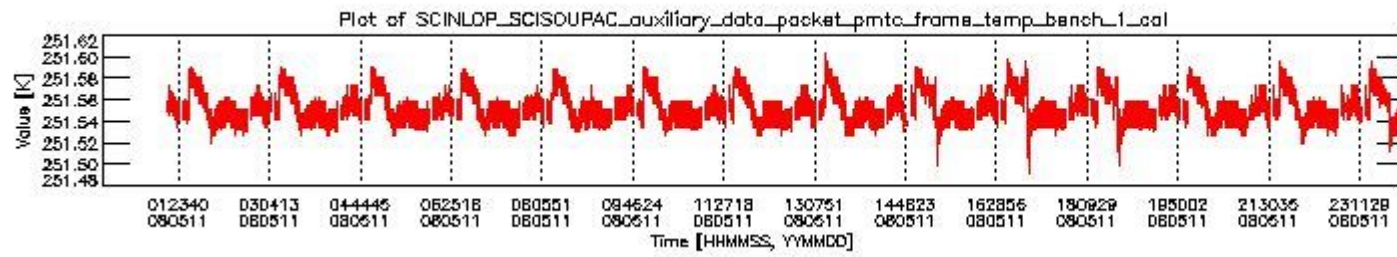
0.1.2 Summary per product

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

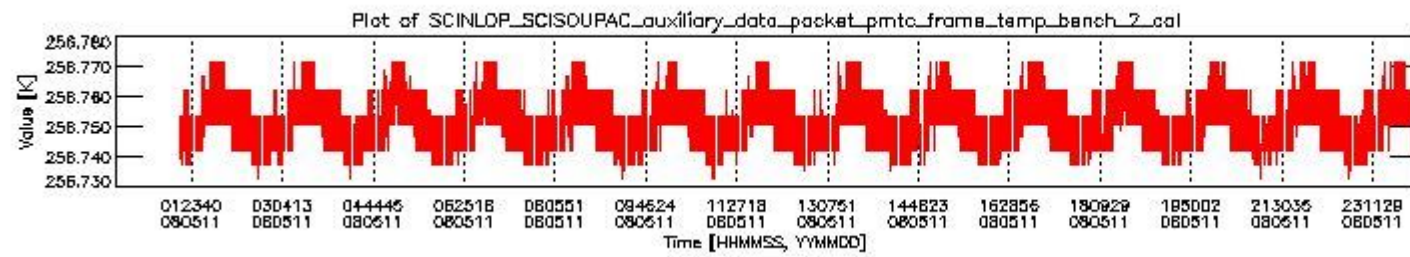
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080510_233022_000060722068_00273_32391_6656.N1	10MAY2008 23:30:22	11MAY2008 01:11:34	0	0	0	0	0
1	SCI_NL__OPNPDE20080511_011134_000046522068_00274_32392_6657.N1	11MAY2008 01:11:34	11MAY2008 02:29:05	0	0	0	0	0
2	SCI_NL__OPNPDE20080511_022757_000057872068_00275_32393_6658.N1	11MAY2008 02:27:57	11MAY2008 04:04:24	0	0	0	0	0
3	SCI_NL__OPNPDE20080511_040424_000060362068_00276_32394_6659.N1	11MAY2008 04:04:24	11MAY2008 05:44:59	0	0	0	0	0
4	SCI_NL__OPNPDE20080511_054459_000062292068_00277_32395_6660.N1	11MAY2008 05:44:59	11MAY2008 07:28:48	0	0	0	0	0
5	SCI_NL__OPNPDK20080511_072739_000039762068_00278_32396_8183.N1	11MAY2008 07:27:39	11MAY2008 08:33:56	0	0	0	0	0
6	SCI_NL__OPNPDK20080511_083300_000059112068_00279_32397_8184.N1	11MAY2008 08:33:00	11MAY2008 10:11:31	1	1	0	0	0
7	SCI_NL__OPNPDK20080511_101131_000002492068_00280_32398_8185.N1	11MAY2008 10:11:31	11MAY2008 10:15:40	1	1	0	0	0
8	SCI_NL__OPNPDK20080511_101444_000059672068_00280_32398_8187.N1	11MAY2008 10:14:44	11MAY2008 11:54:11	0	0	0	0	0
9	SCI_NL__OPNPDK20080511_115411_000059802068_00281_32399_8188.N1	11MAY2008 11:54:11	11MAY2008 13:33:51	0	0	0	0	0
10	SCI_NL__OPNPDK20080511_133242_000059672068_00282_32400_8189.N1	11MAY2008 13:32:42	11MAY2008 15:12:09	0	0	0	0	0
11	SCI_NL__OPNPDK20080511_151113_000059112068_00283_32401_8190.N1	11MAY2008 15:11:13	11MAY2008 16:49:45	0	0	0	0	0
12	SCI_NL__OPNPDK20080511_164740_000059832068_00284_32402_8191.N1	11MAY2008 16:47:40	11MAY2008 18:27:23	0	0	0	0	0
13	SCI_NL__OPNPDK20080511_182627_000059802068_00285_32403_8192.N1	11MAY2008 18:26:27	11MAY2008 20:06:07	0	0	0	0	0
14	SCI_NL__OPNPDE20080511_200459_000044222068_00286_32404_6661.N1	11MAY2008 20:04:59	11MAY2008 21:18:41	0	0	0	0	0
15	SCI_NL__OPNPDE20080511_211754_000061792068_00286_32404_6662.N1	11MAY2008 21:17:54	11MAY2008 23:00:53	0	0	0	0	0
16	SCI_NL__OPNPDE20080511_230009_000060672068_00287_32405_6663.N1	11MAY2008 23:00:09	12MAY2008 00:41:16	0	0	0	0	0

0.2 Product Quality Indicators

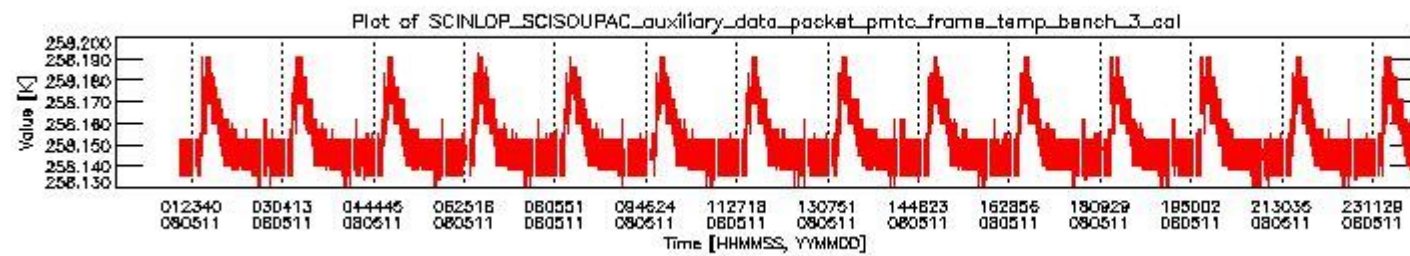
This section shows information about product quality, currently temperatures.



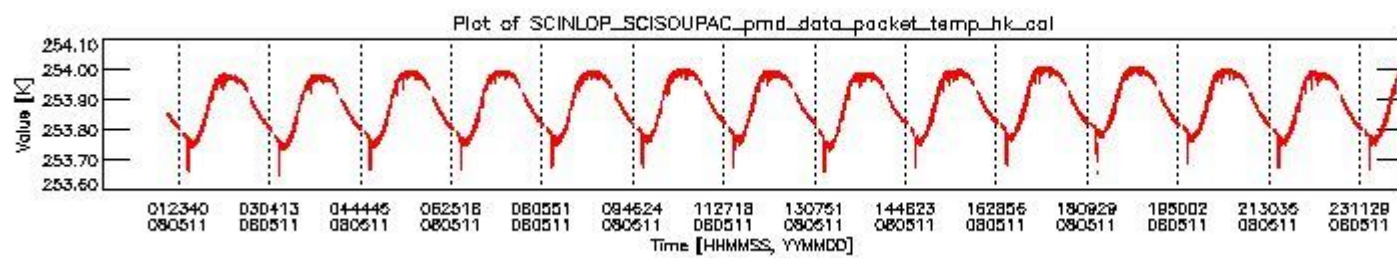
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_0.PNG



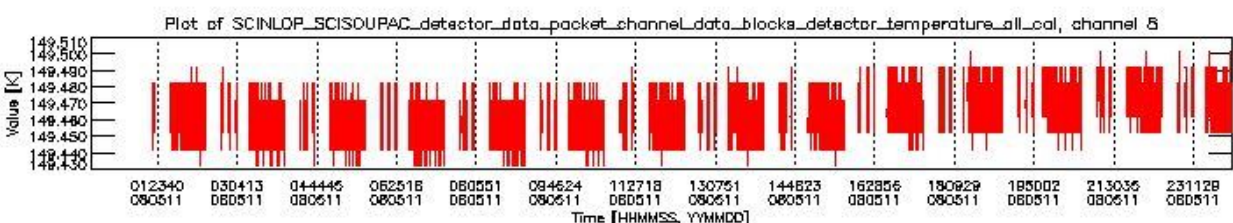
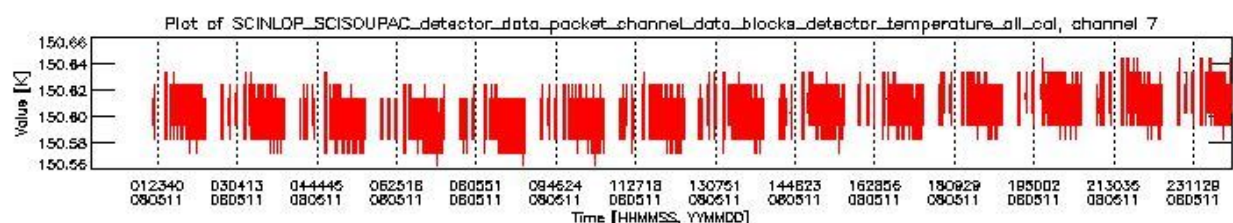
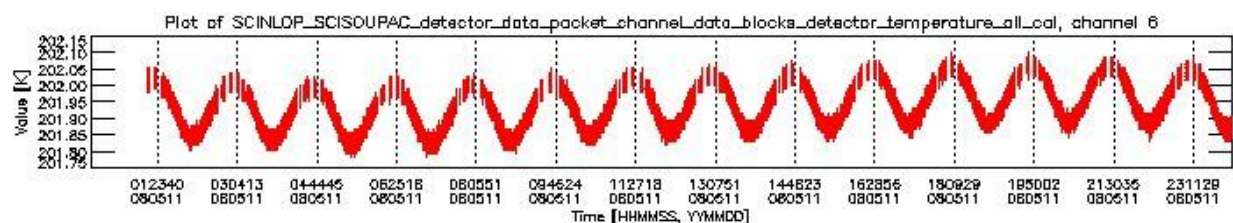
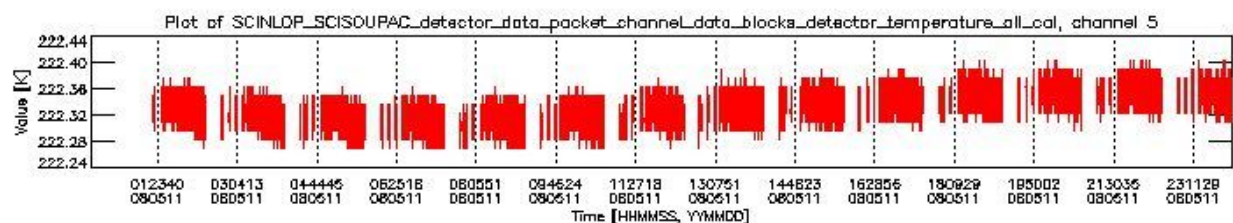
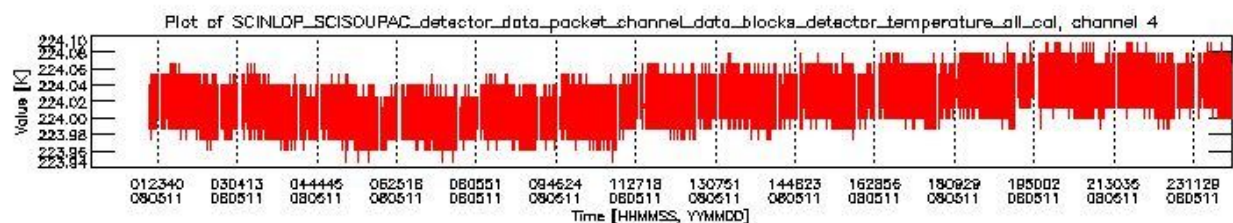
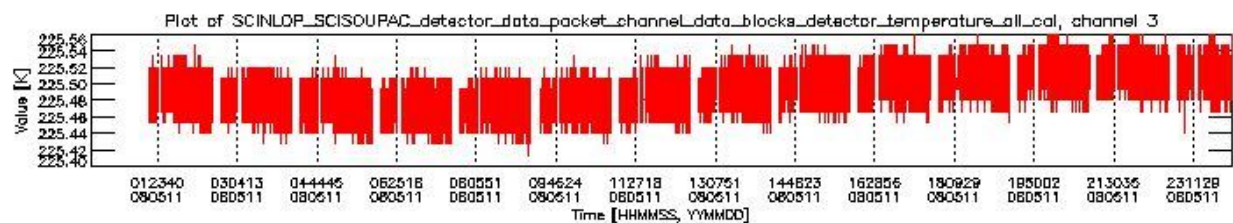
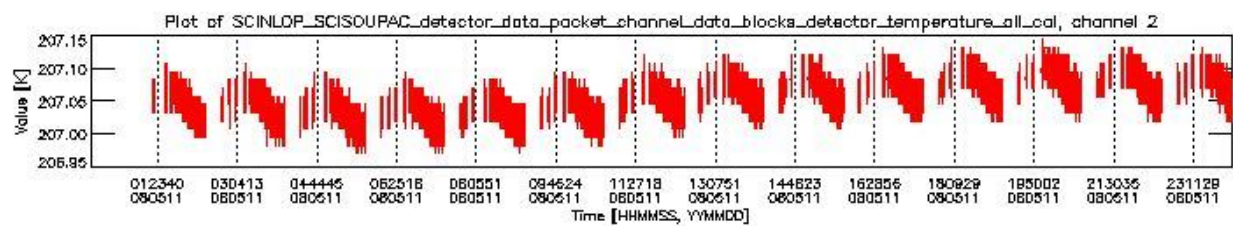
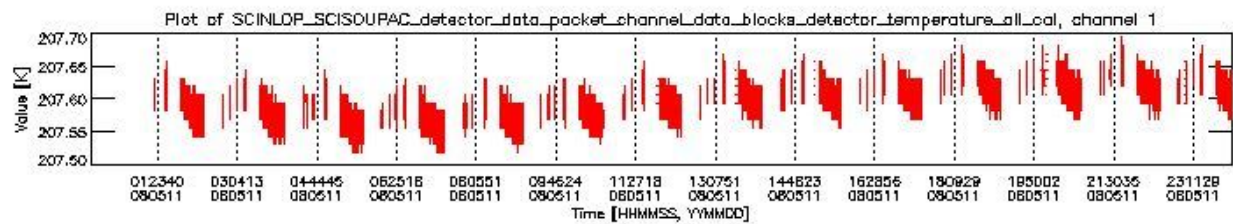
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_3.PNG

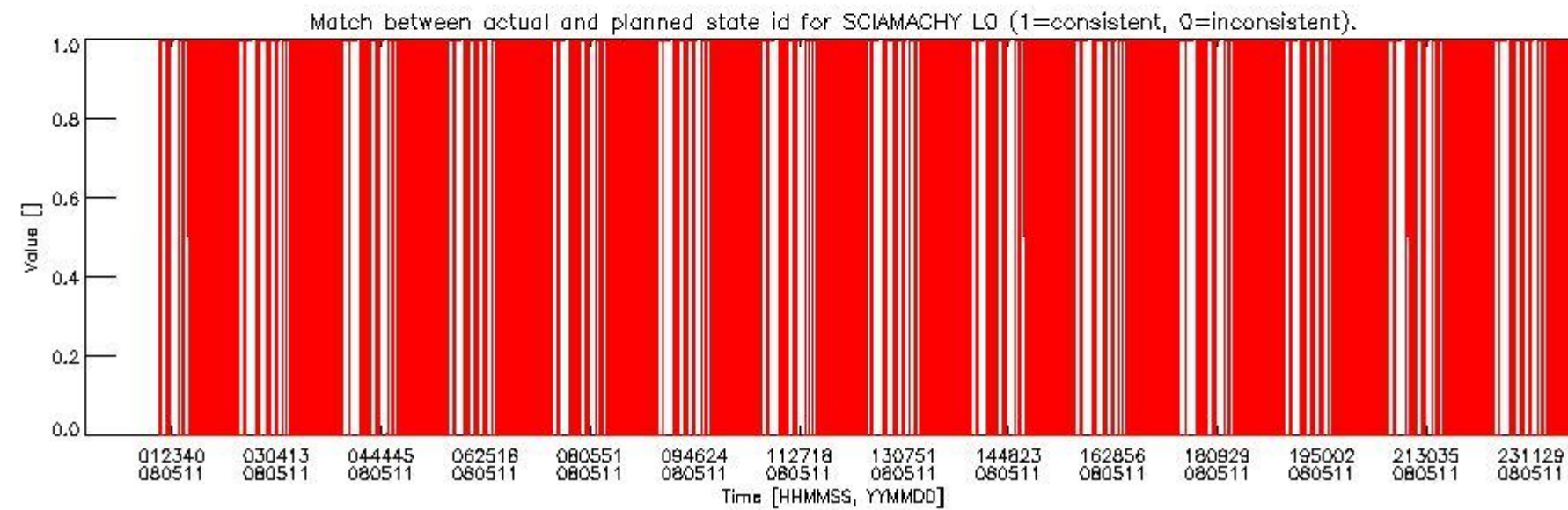
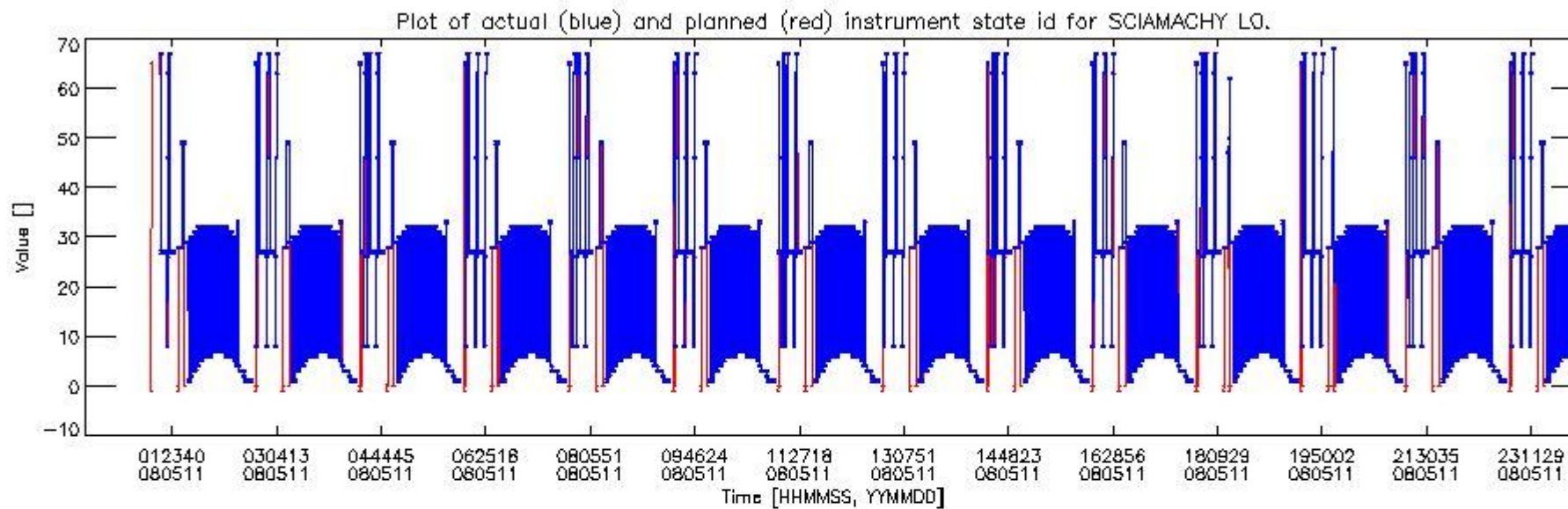


0.3 State monitoring

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: **35986**

#	Actual time	Actual value	Planned time	Planned value
0	11MAY2008 01:11:34.273791	67	11MAY2008 01:11:34.273791	63
1	11MAY2008 01:11:38.523778	67	11MAY2008 01:11:38.523778	63
2	11MAY2008 01:11:38.648782	67	11MAY2008 01:11:38.648782	63
3	11MAY2008 01:11:38.773786	67	11MAY2008 01:11:38.773786	63
4	11MAY2008 01:11:38.898791	67	11MAY2008 01:11:38.898791	63
5	11MAY2008 01:11:39.023795	67	11MAY2008 01:11:39.023795	63
6	11MAY2008 01:11:39.148799	67	11MAY2008 01:11:39.148799	63
7	11MAY2008 01:11:39.273804	67	11MAY2008 01:11:39.273804	63
8	11MAY2008 01:11:39.398808	67	11MAY2008 01:11:39.398808	63
9	11MAY2008 01:11:39.523813	67	11MAY2008 01:11:39.523813	63
10	11MAY2008 01:11:39.648777	67	11MAY2008 01:11:39.648777	63
11	11MAY2008 01:11:39.773781	67	11MAY2008 01:11:39.773781	63
12	11MAY2008 01:11:39.898785	67	11MAY2008 01:11:39.898785	63
13	11MAY2008 01:11:40.023790	67	11MAY2008 01:11:40.023790	63
14	11MAY2008 01:11:40.148794	67	11MAY2008 01:11:40.148794	63
15	11MAY2008 01:11:40.273798	67	11MAY2008 01:11:40.273798	63
16	11MAY2008 01:11:40.398803	67	11MAY2008 01:11:40.398803	63
17	11MAY2008 01:11:40.523807	67	11MAY2008 01:11:40.523807	63
18	11MAY2008 01:11:40.648811	67	11MAY2008 01:11:40.648811	63
19	11MAY2008 01:11:40.773776	67	11MAY2008 01:11:40.773776	63
...

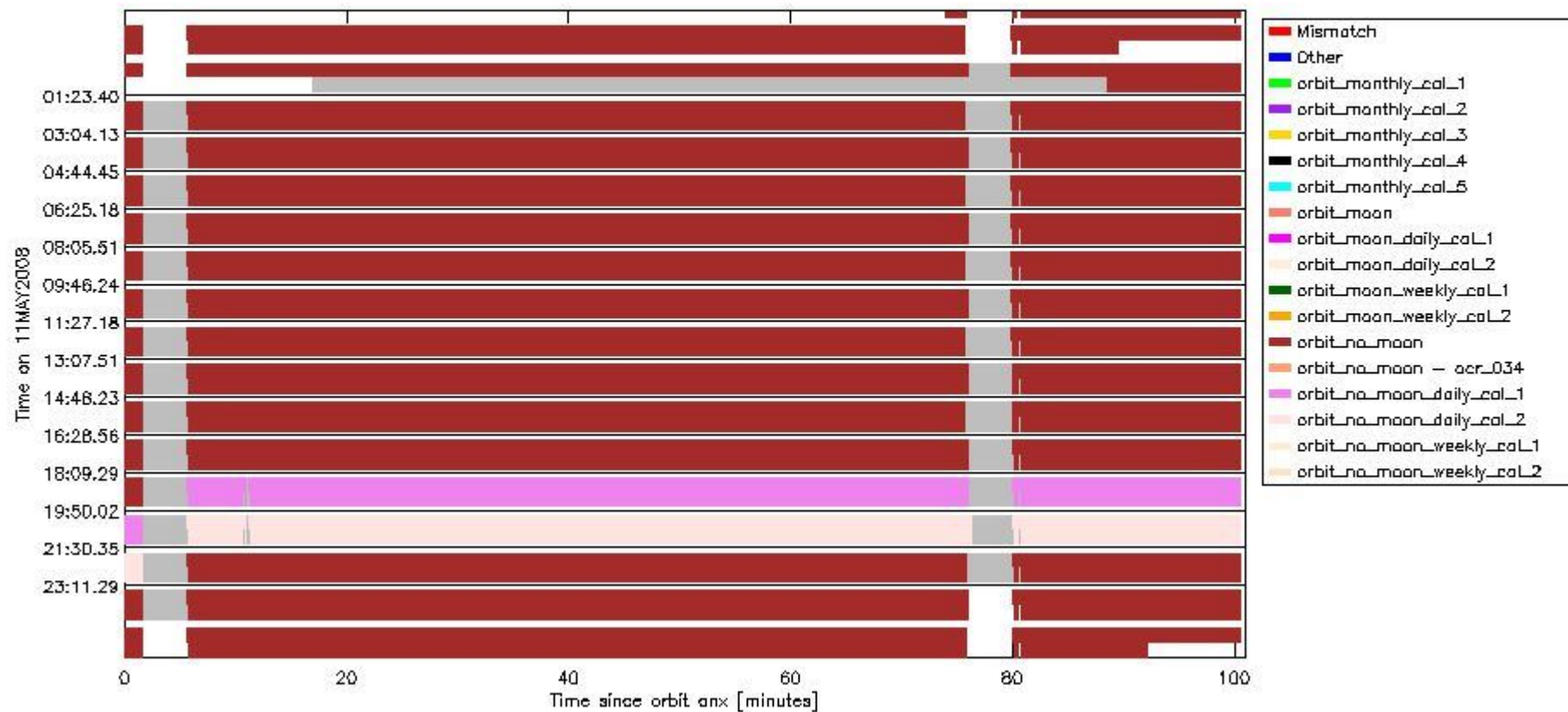


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_5.PNG

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 11MAY2008.
 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_4303_N_20080511_6.PNG

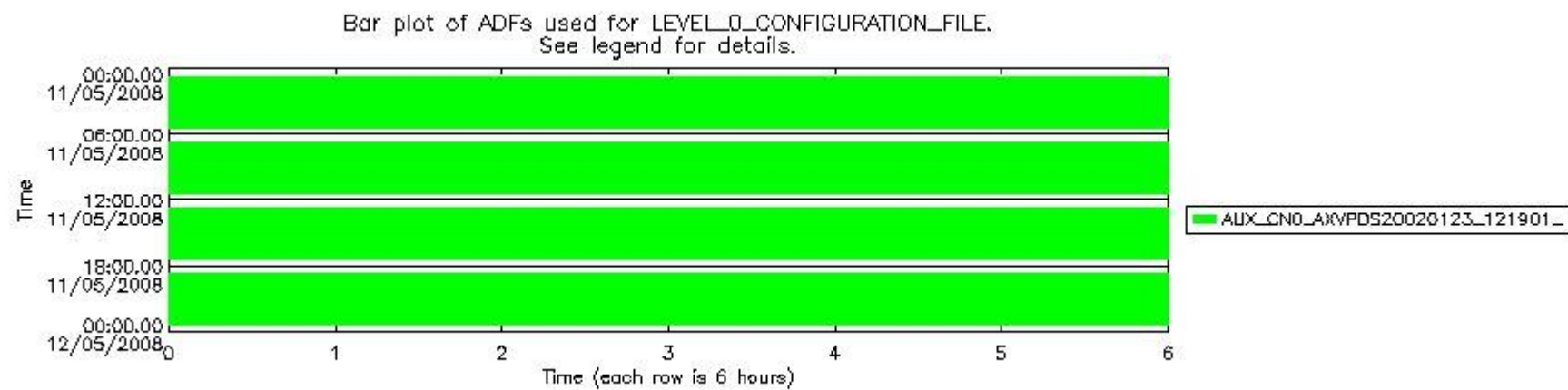
0.4 ADF monitoring

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

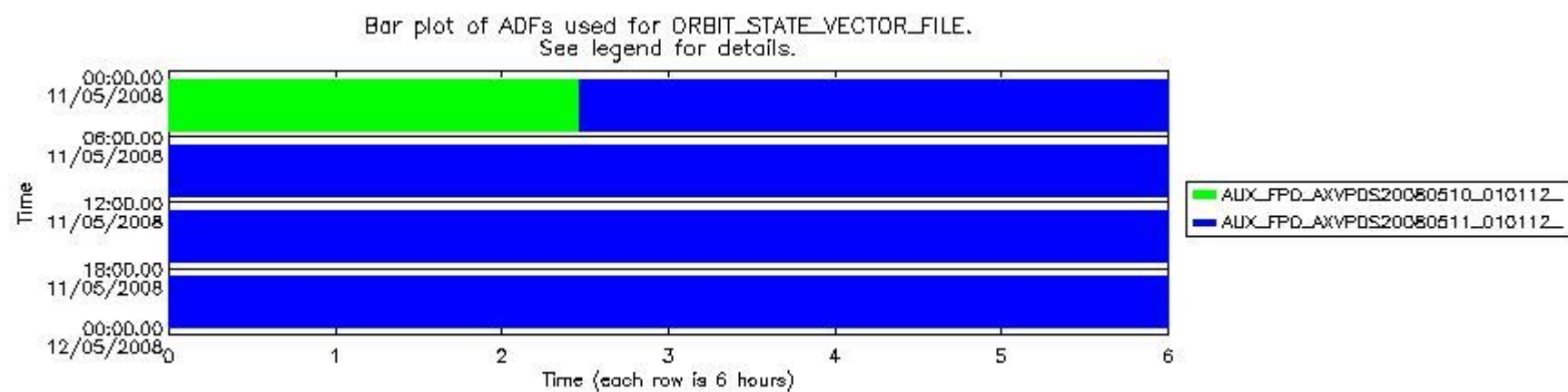
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

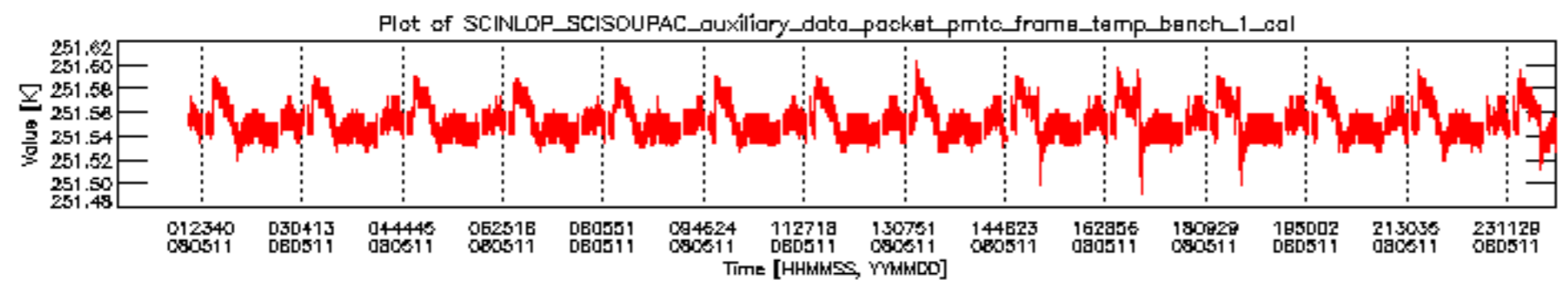
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080510_010112_20080509_191247_20080519_203901
2	AUX_FPO_AXVPDS20080511_010112_20080510_184110_20080520_200724

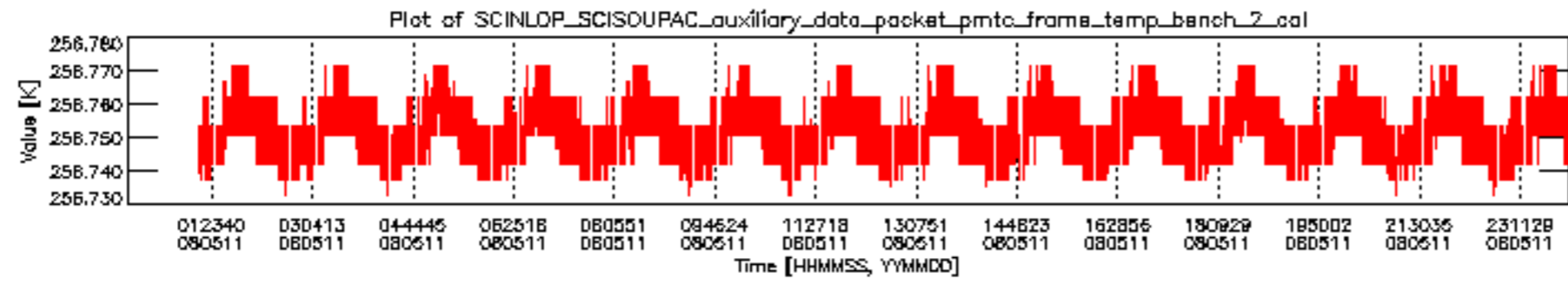


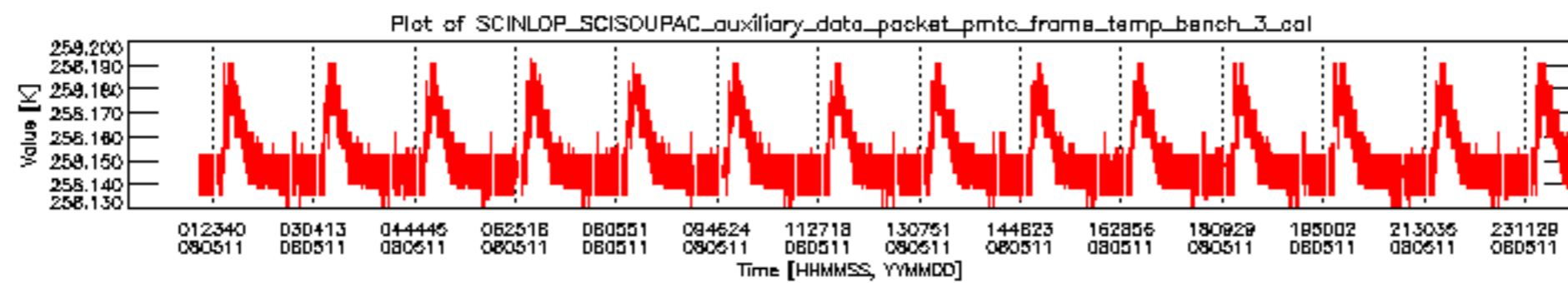
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_7.PNG

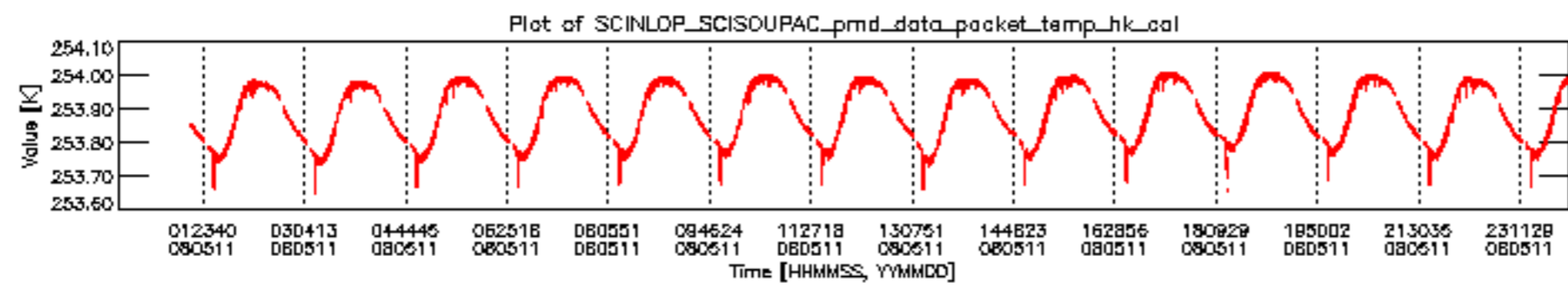


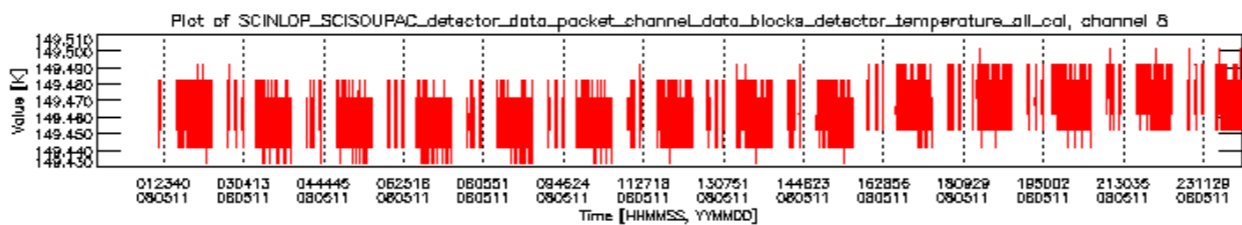
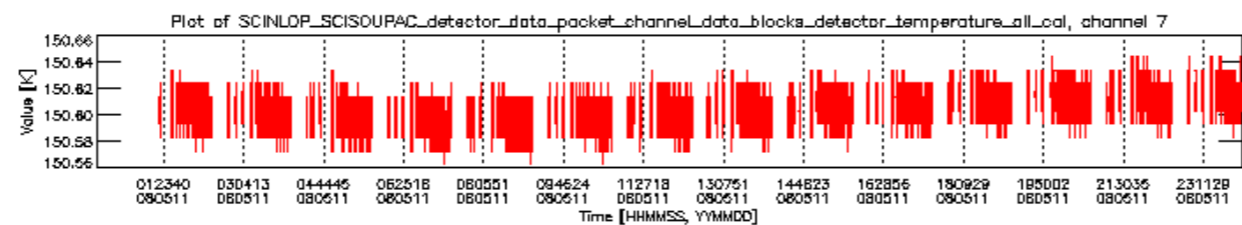
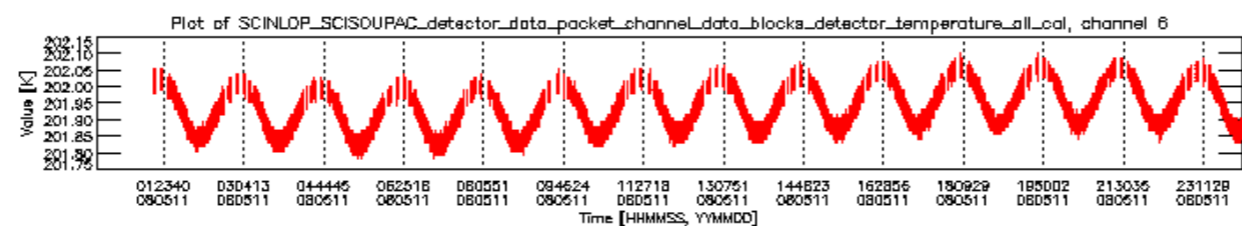
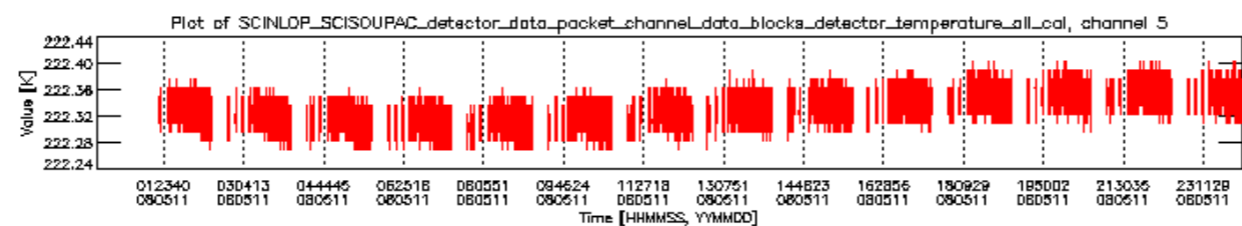
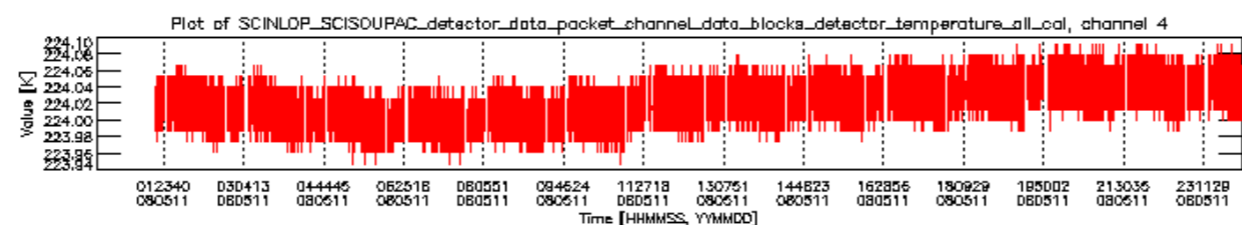
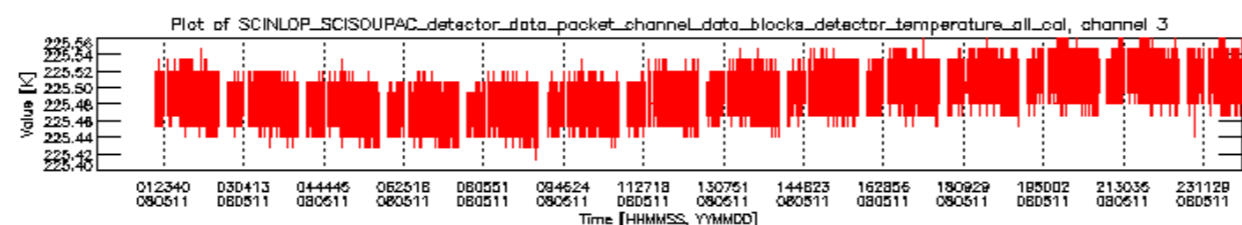
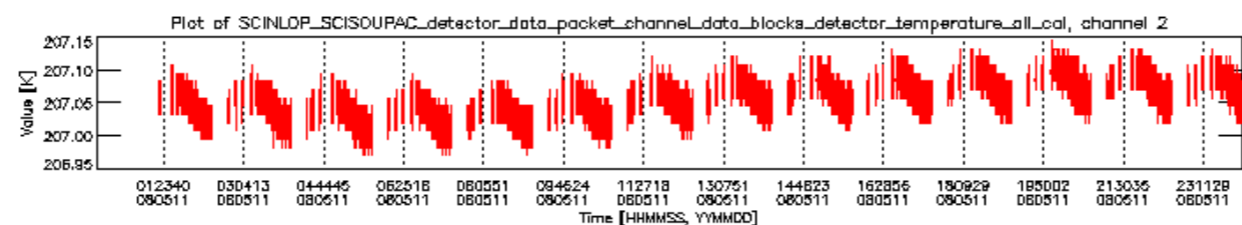
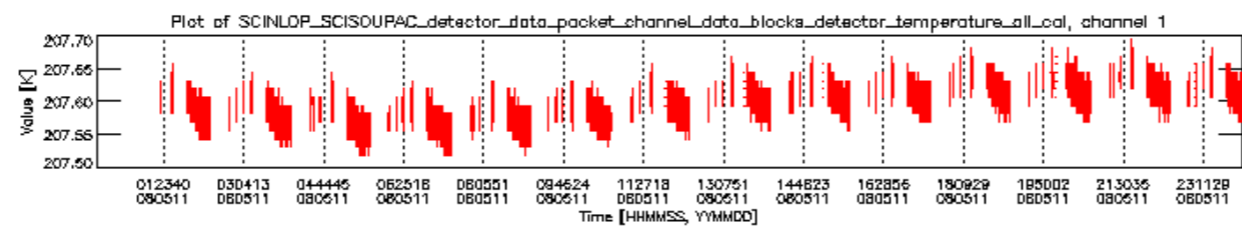
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080511_8.PNG

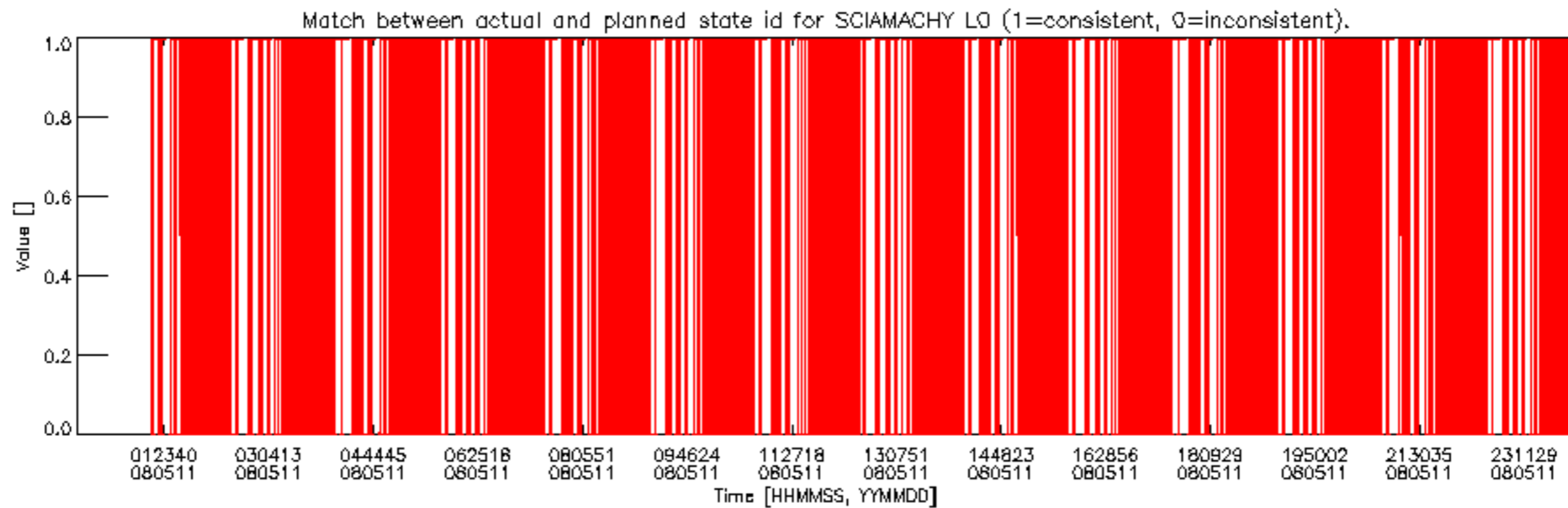
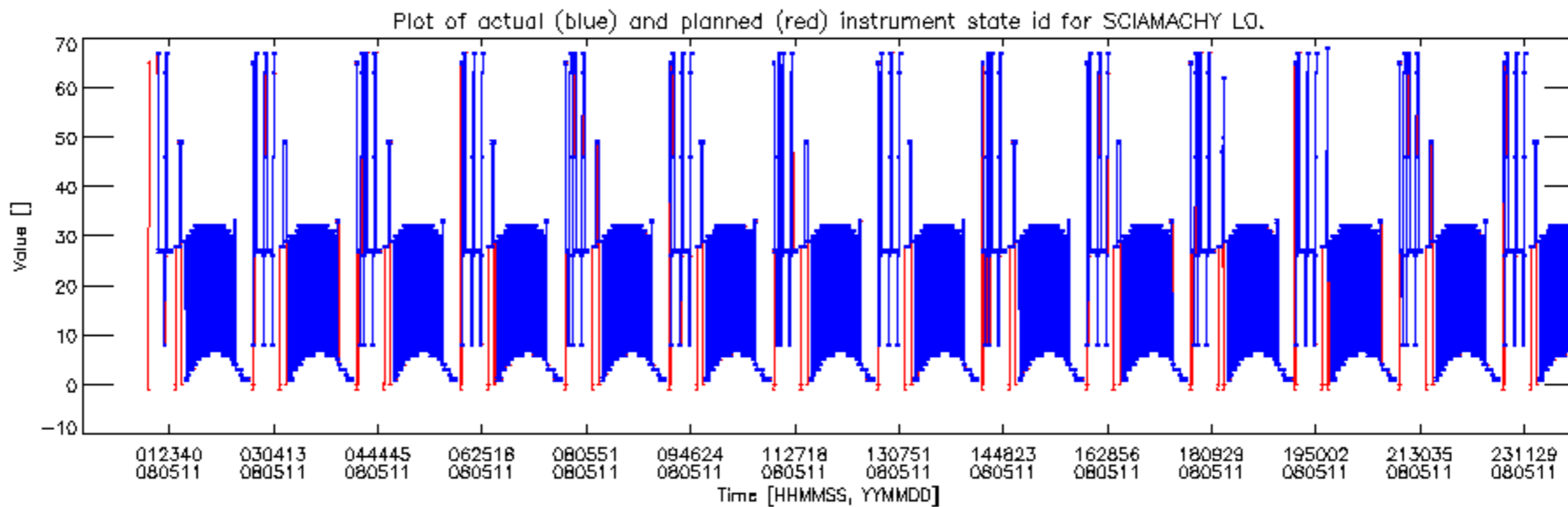












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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