

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	29NOV2007 11:29:35
Data source version	KSPT_L0/4302-N
Processing scope for products	25NOV2007 00:00:00 to 26NOV2007 00:00:00
Start time of first product within scope	24NOV2007 23:14:45
Stop time of last product within scope	26NOV2007 00:17:52
Total number of level 0 products	16
Number of level 0 products with errors	0

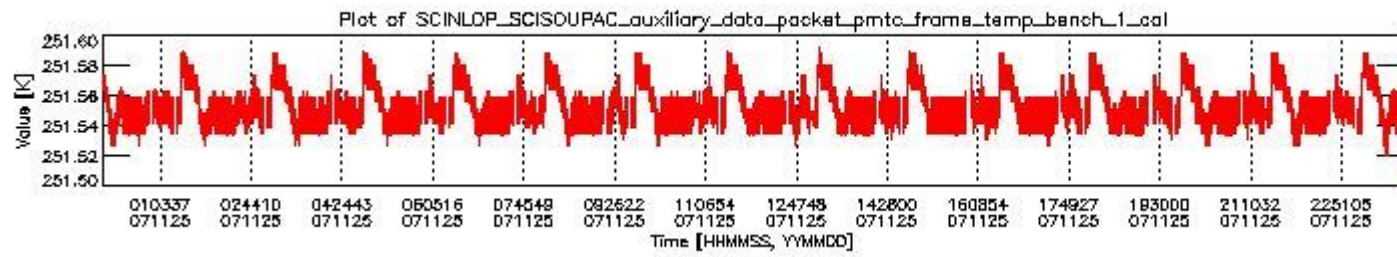
0.1.2 Summary per product

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

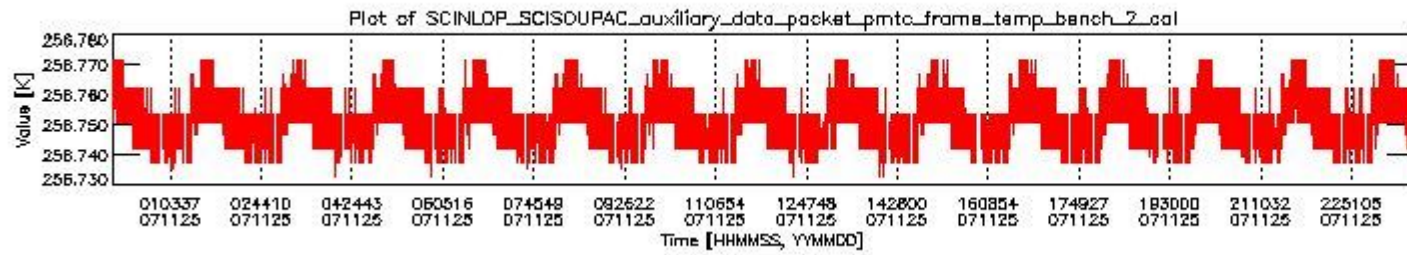
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071124_231445_000057412063_00373_29986_5644.N1	24NOV2007 23:14:45	25NOV2007 00:50:26	0	0	0	0	0
1	SCI_NL__OPNPDE20071125_005521_000041802063_00374_29987_5645.N1	25NOV2007 00:55:21	25NOV2007 02:05:01	0	0	0	0	0
2	SCI_NL__OPNPDE20071125_020352_000060362063_00375_29988_5646.N1	25NOV2007 02:03:52	25NOV2007 03:44:28	0	0	0	0	0
3	SCI_NL__OPNPDE20071125_034428_000061052063_00376_29989_5647.N1	25NOV2007 03:44:28	25NOV2007 05:26:13	0	0	0	0	0
4	SCI_NL__OPNPDE20071125_052505_000061052063_00377_29990_5648.N1	25NOV2007 05:25:05	25NOV2007 07:06:49	0	0	0	0	0
5	SCI_NL__OPNPDK20071125_070541_000041142063_00378_29991_6723.N1	25NOV2007 07:05:41	25NOV2007 08:14:15	0	0	0	0	0
6	SCI_NL__OPNPDK20071125_081306_000059802063_00379_29992_6724.N1	25NOV2007 08:13:06	25NOV2007 09:52:46	0	0	0	0	0
7	SCI_NL__OPNPDK20071125_095151_000061482063_00380_29993_6725.N1	25NOV2007 09:51:51	25NOV2007 11:34:18	0	0	0	0	0
8	SCI_NL__OPNPDK20071125_113227_000060922063_00381_29994_6726.N1	25NOV2007 11:32:27	25NOV2007 13:13:59	0	0	0	0	0
9	SCI_NL__OPNPDK20071125_131303_000057872063_00382_29995_6727.N1	25NOV2007 13:13:03	25NOV2007 14:49:29	0	0	0	0	0
10	SCI_NL__OPNPDK20071125_144929_000059792063_00383_29996_6728.N1	25NOV2007 14:49:29	25NOV2007 16:29:09	0	0	0	0	0
11	SCI_NL__OPNPDK20071125_162717_000060362063_00384_29997_6729.N1	25NOV2007 16:27:17	25NOV2007 18:07:53	0	0	0	0	0
12	SCI_NL__OPNPDK20071125_180657_000060362063_00385_29998_6730.N1	25NOV2007 18:06:57	25NOV2007 19:47:33	0	0	0	0	0
13	SCI_NL__OPNPDE20071125_194733_000039622063_00386_29999_5649.N1	25NOV2007 19:47:33	25NOV2007 20:53:35	0	0	0	0	0
14	SCI_NL__OPNPDE20071125_205335_000062082063_00386_29999_5650.N1	25NOV2007 20:53:35	25NOV2007 22:37:03	0	0	0	0	0
15	SCI_NL__OPNPDE20071125_224312_000056802063_00387_30000_5651.N1	25NOV2007 22:43:12	26NOV2007 00:17:52	0	0	0	0	0

0.2 Product Quality Indicators

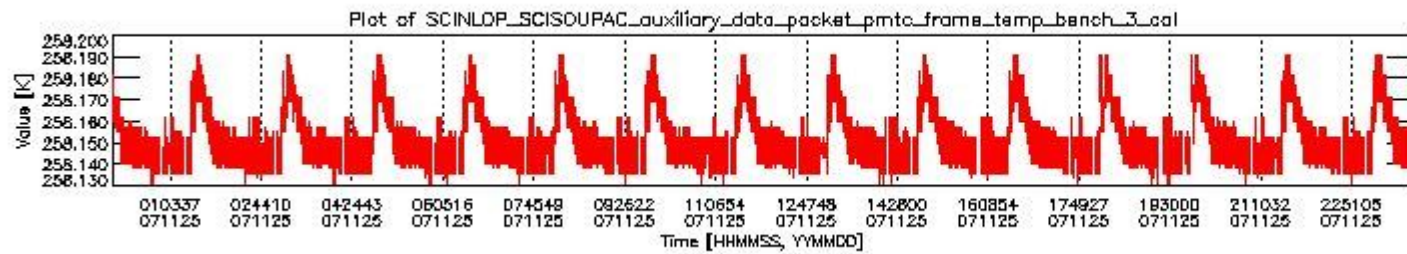
This section shows information about product quality, currently temperatures.



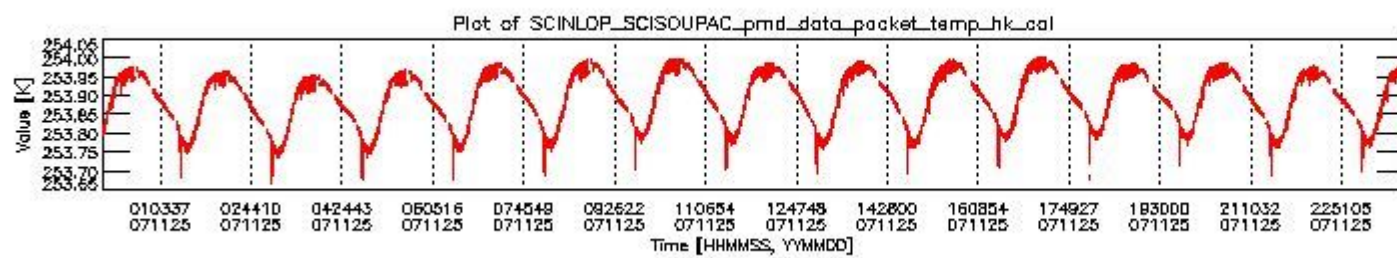
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_0.PNG



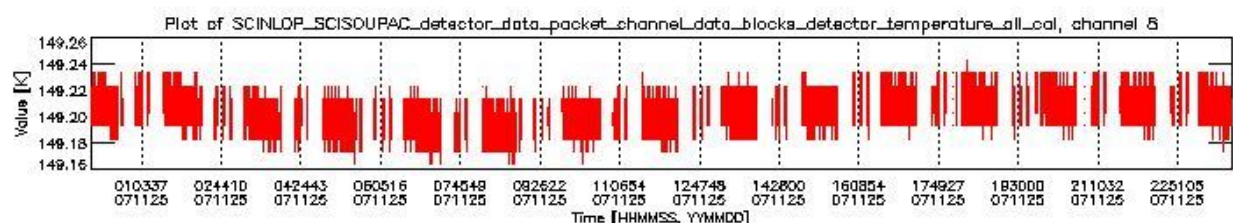
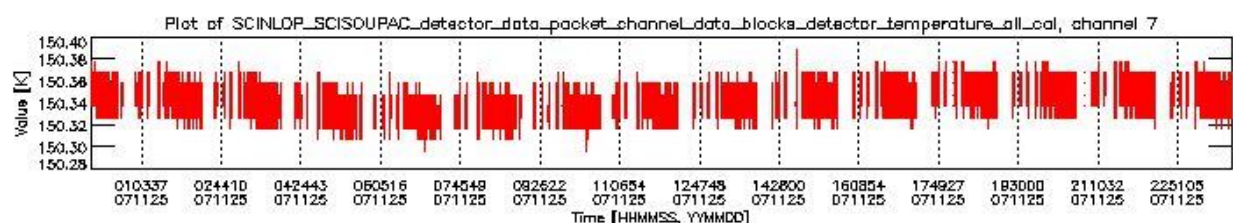
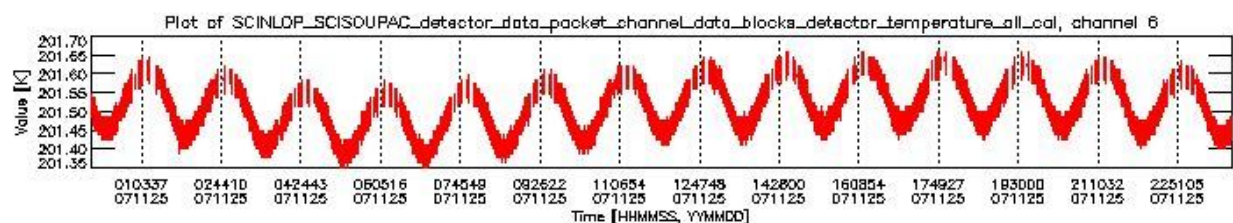
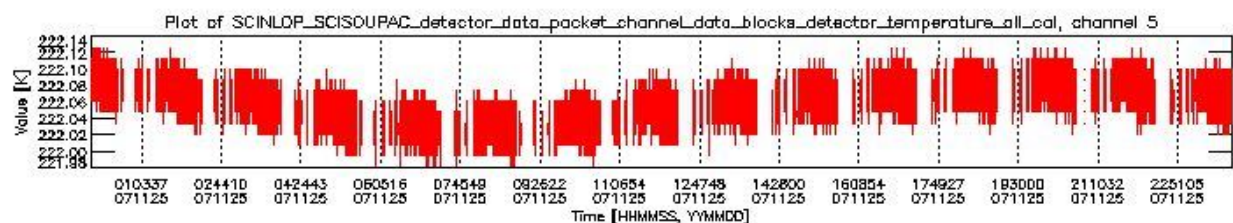
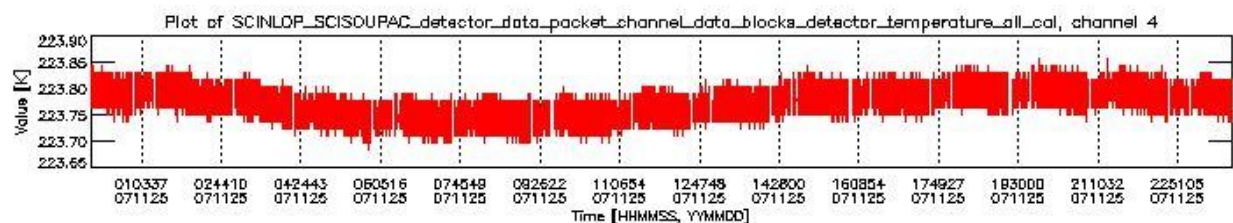
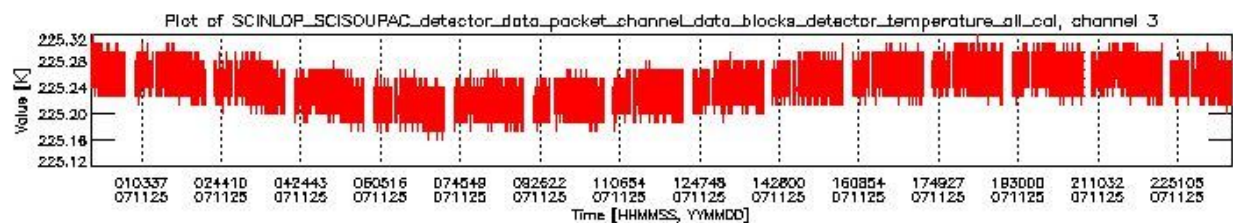
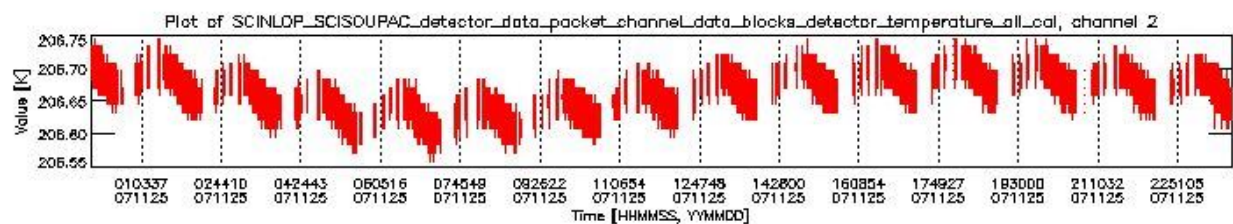
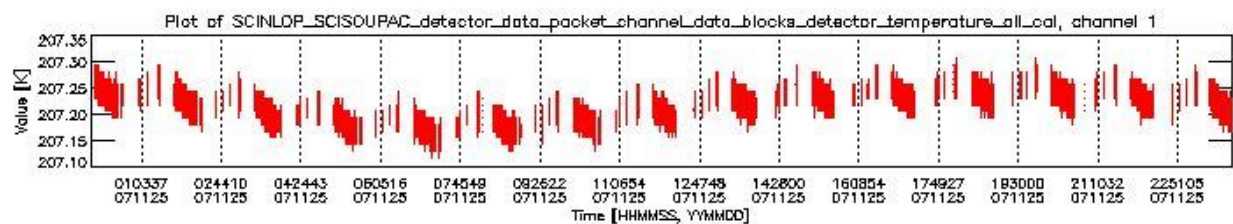
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_3.PNG

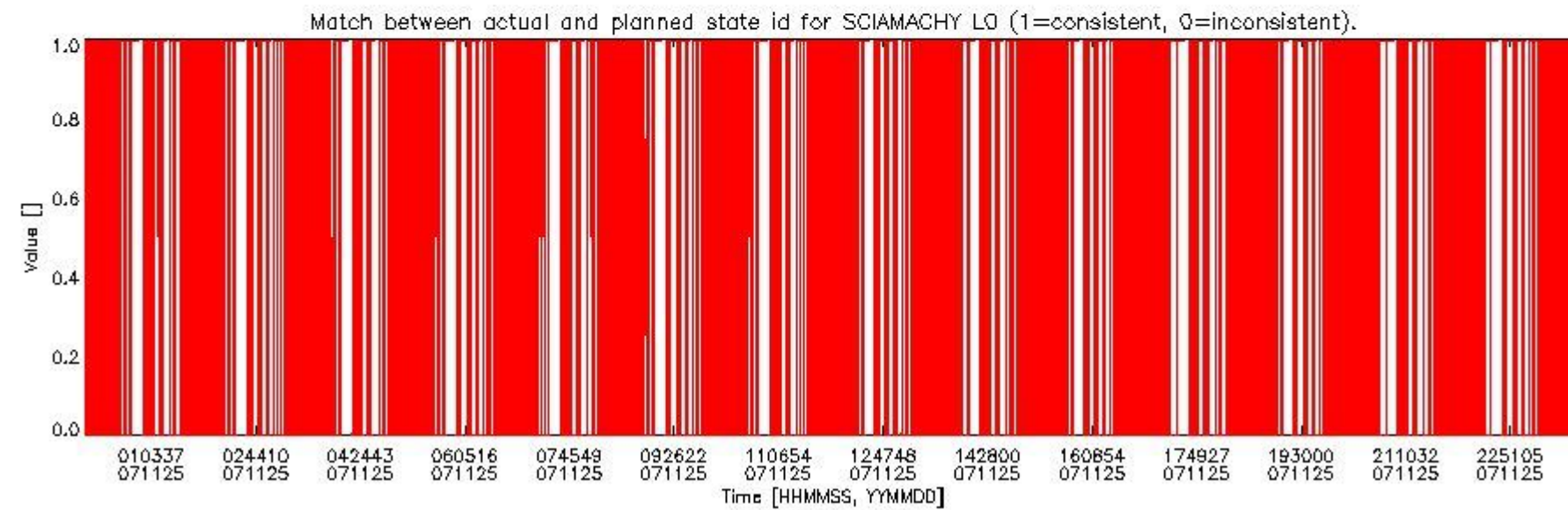
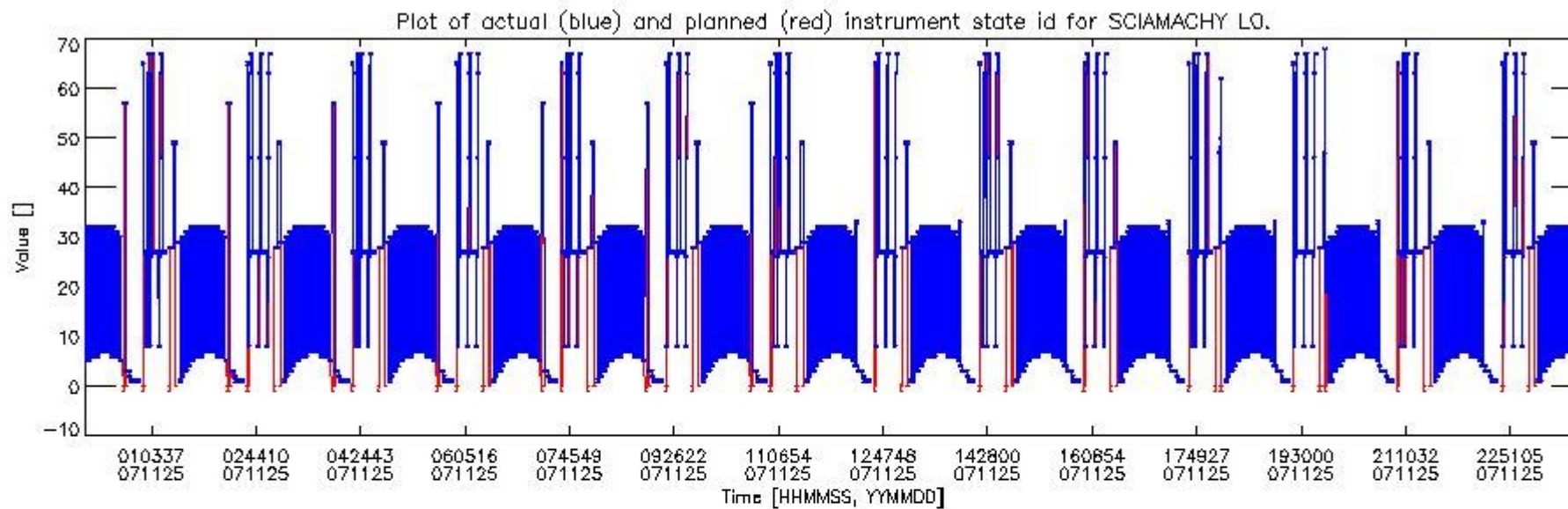


0.3 State monitoring

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: **44793**

#	Actual time	Actual value	Planned time	Planned value
0	25NOV2007 00:00:28.016545	5	25NOV2007 00:00:28.016545	32
1	25NOV2007 00:00:28.266513	5	25NOV2007 00:00:28.266513	32
2	25NOV2007 00:00:28.391518	5	25NOV2007 00:00:28.391518	32
3	25NOV2007 00:00:28.516522	5	25NOV2007 00:00:28.516522	32
4	25NOV2007 00:00:28.641526	5	25NOV2007 00:00:28.641526	32
5	25NOV2007 00:00:28.766531	5	25NOV2007 00:00:28.766531	32
6	25NOV2007 00:00:28.891535	5	25NOV2007 00:00:28.891535	32
7	25NOV2007 00:00:29.016539	5	25NOV2007 00:00:29.016539	32
8	25NOV2007 00:00:29.141544	5	25NOV2007 00:00:29.141544	32
9	25NOV2007 00:00:29.266508	5	25NOV2007 00:00:29.266508	32
10	25NOV2007 00:00:29.391512	5	25NOV2007 00:00:29.391512	32
11	25NOV2007 00:00:29.516517	5	25NOV2007 00:00:29.516517	32
12	25NOV2007 00:00:29.641521	5	25NOV2007 00:00:29.641521	32
13	25NOV2007 00:00:29.766525	5	25NOV2007 00:00:29.766525	32
14	25NOV2007 00:00:29.891530	5	25NOV2007 00:00:29.891530	32
15	25NOV2007 00:00:30.016534	5	25NOV2007 00:00:30.016534	32
16	25NOV2007 00:00:30.141538	5	25NOV2007 00:00:30.141538	32
17	25NOV2007 00:00:30.266543	5	25NOV2007 00:00:30.266543	32
18	25NOV2007 00:00:30.391507	5	25NOV2007 00:00:30.391507	32
19	25NOV2007 00:00:30.516511	5	25NOV2007 00:00:30.516511	32

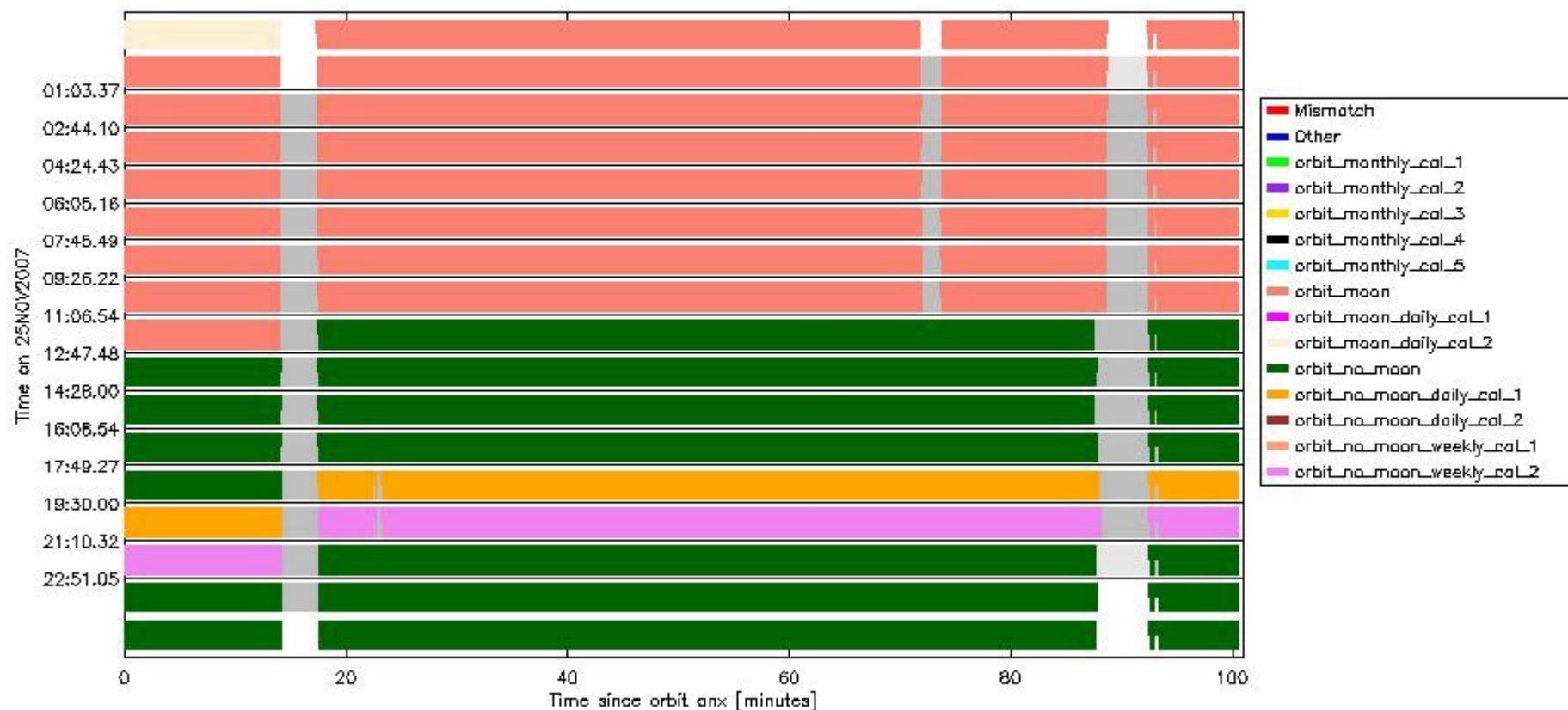


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_5.PNG

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 25NOV2007.
 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_4302_N_20071125_6.PNG

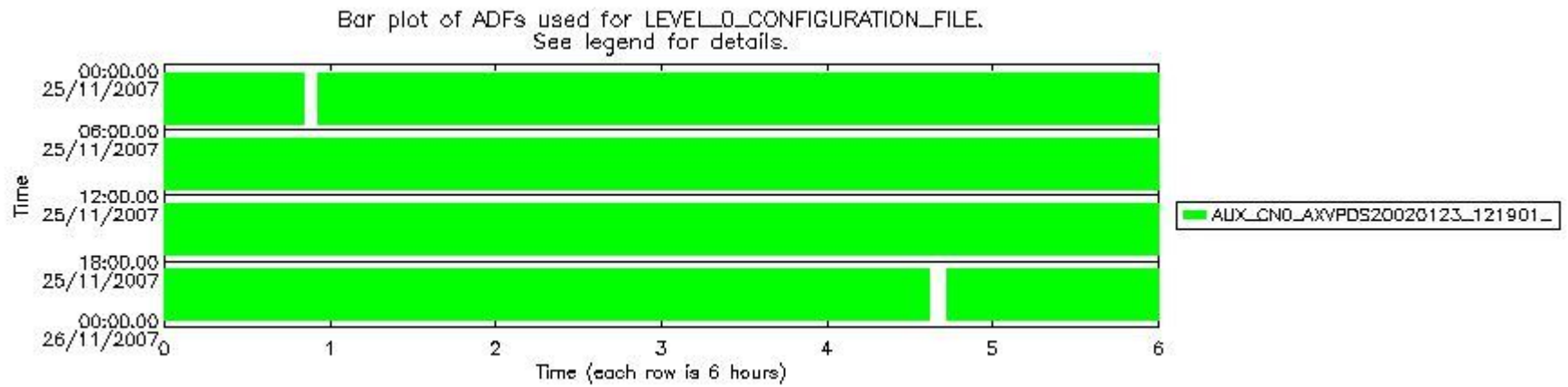
0.4 ADF monitoring

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

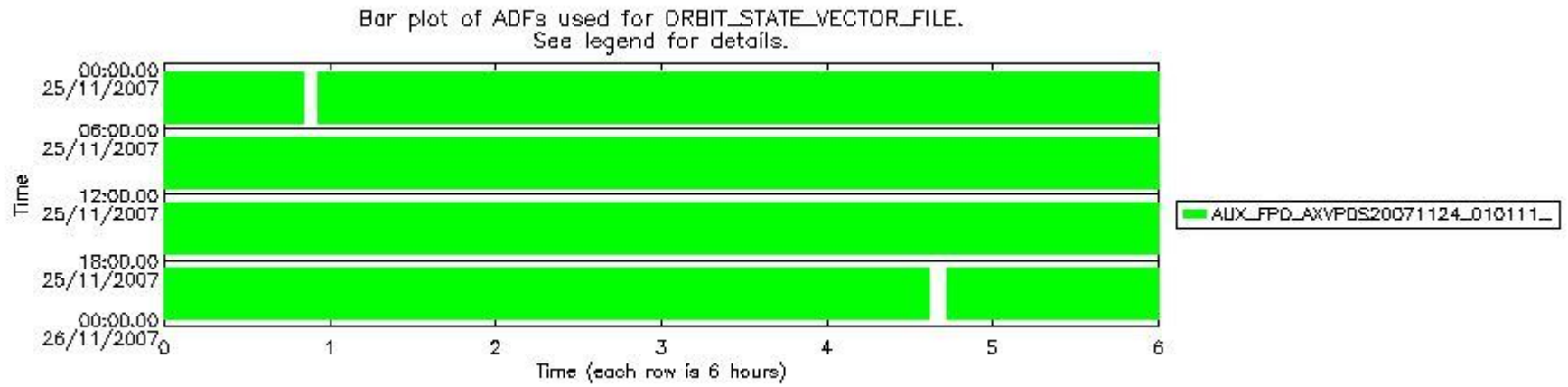
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

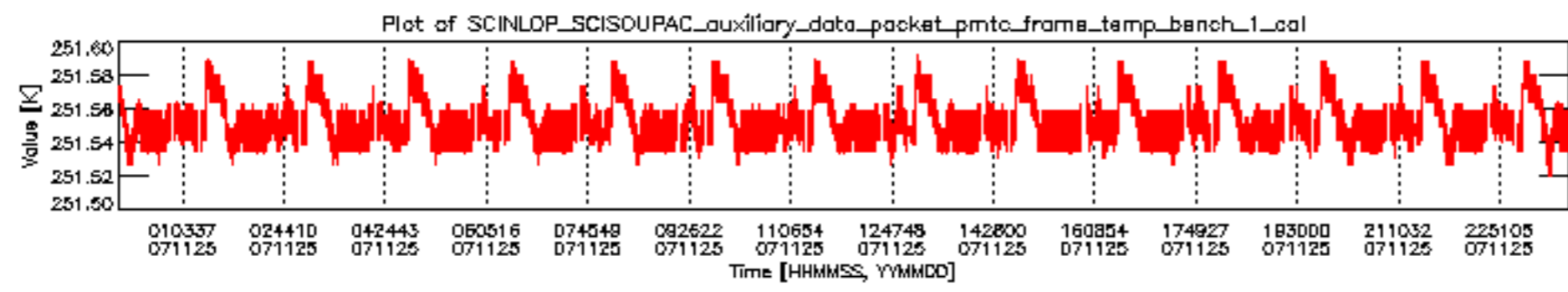
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071124_010111_20071123_185240_20071203_201851

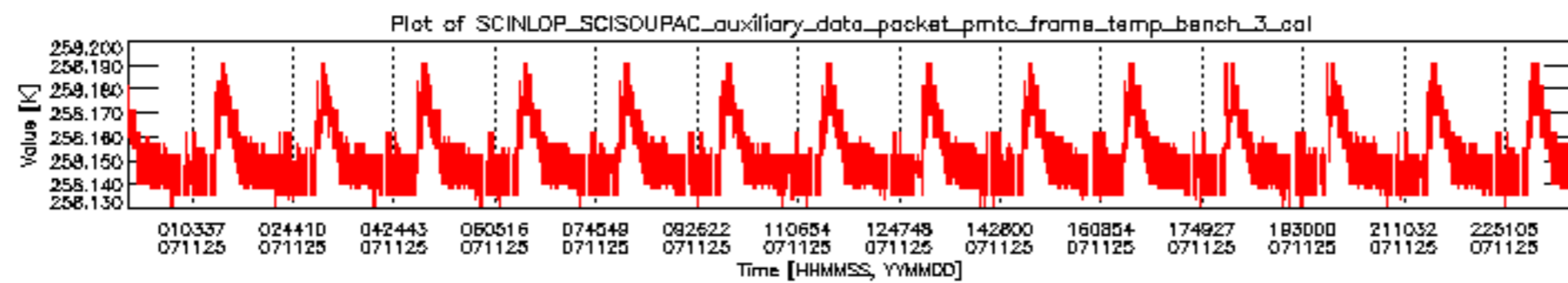


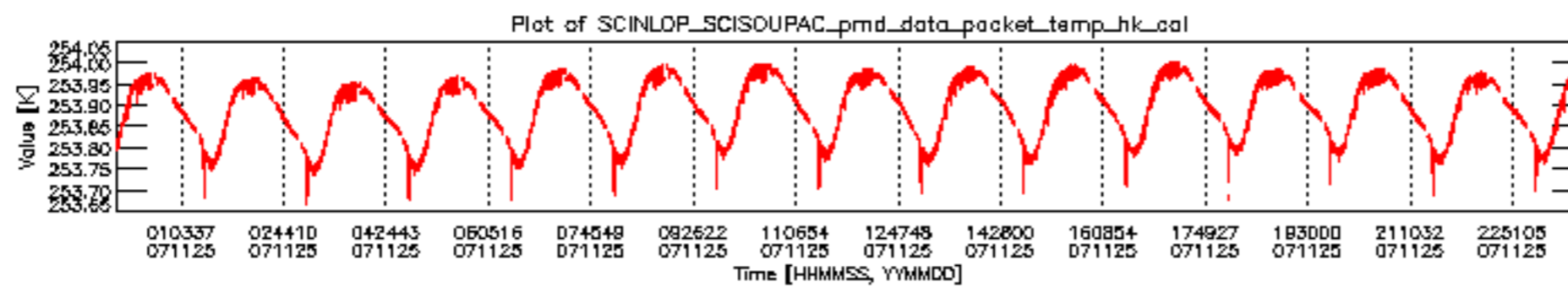
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_7.PNG

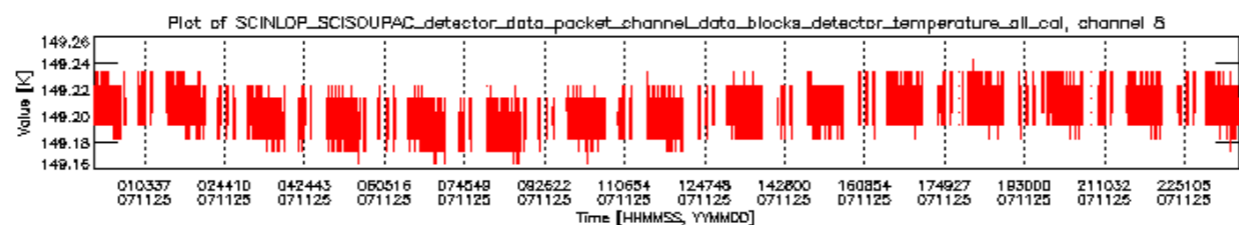
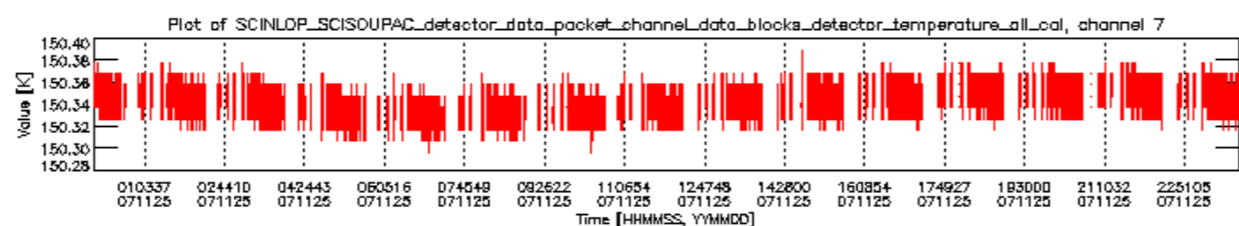
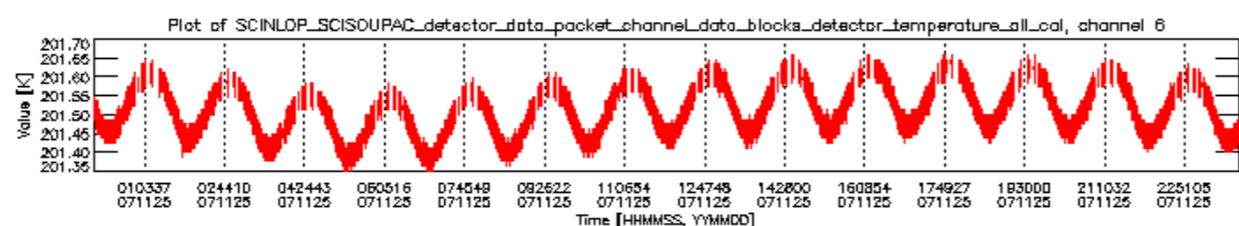
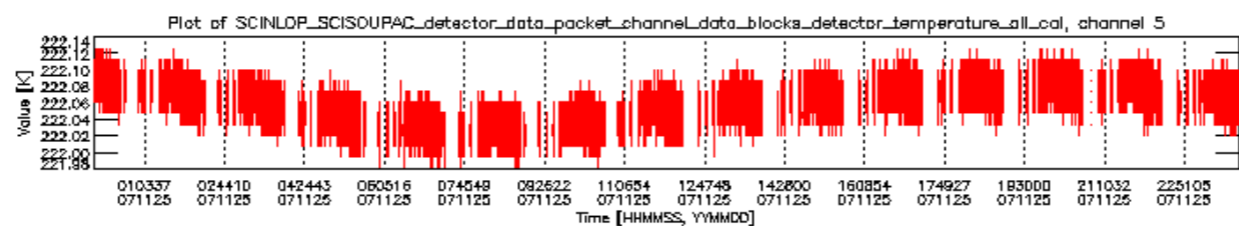
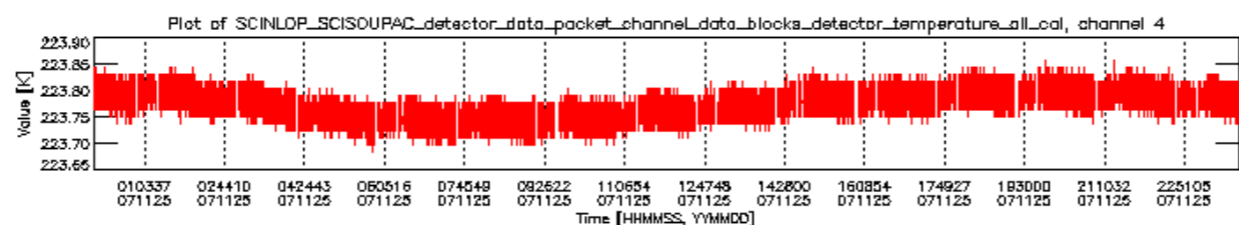
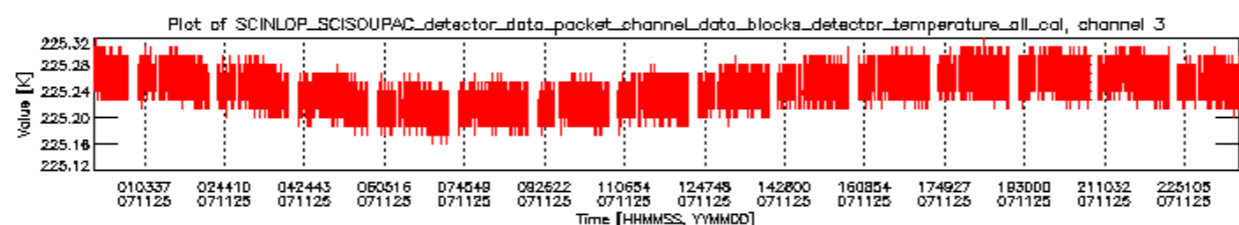
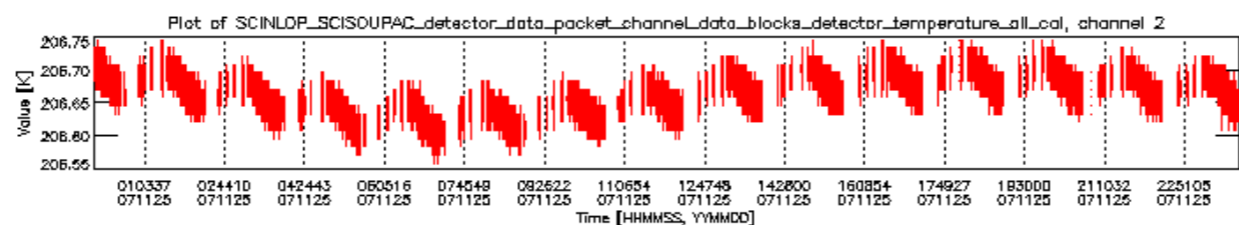
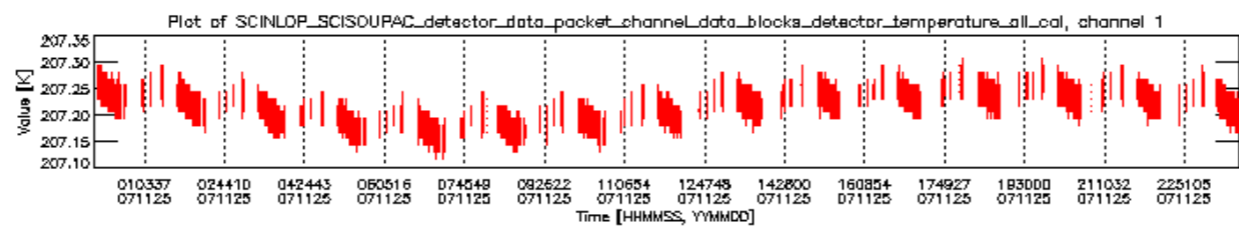


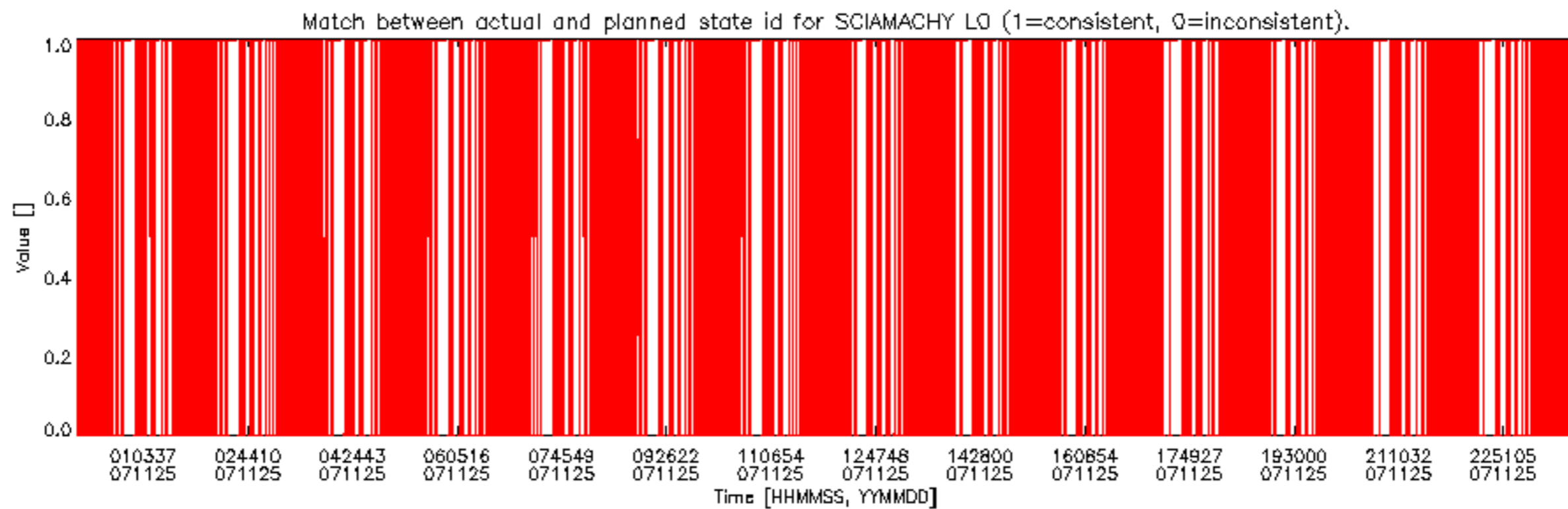
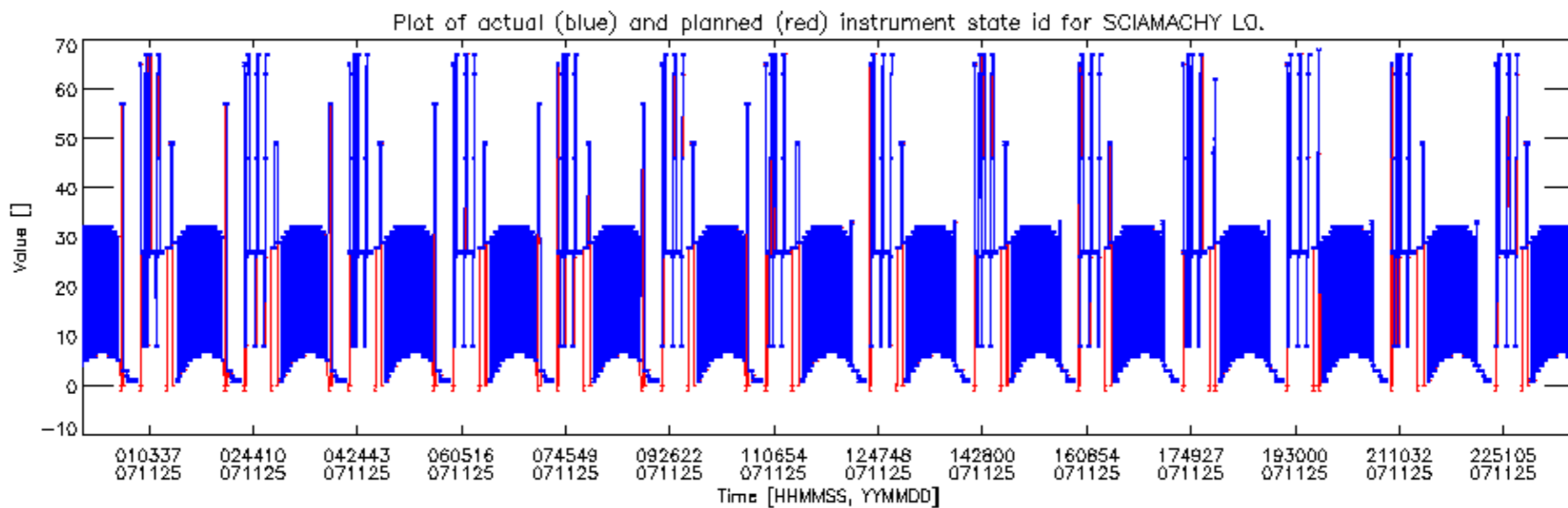
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071125_8.PNG











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